

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091819\
 Data File : VN058153.D
 Acq On : 18 Sep 2019 9:43
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 1:14:13 PM

Quant Time: Sep 19 01:55:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 01:40:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	515274	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	870870	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	762644	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	357482	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	36709	3.75	ug/l	0.00
Spiked Amount			Recovery	=	7.50%	
35) Dibromofluoromethane	7.58	113	26552	3.53	ug/l	0.00
Spiked Amount			Recovery	=	7.06%	
50) Toluene-d8	10.08	98	107739	3.71	ug/l	0.00
Spiked Amount			Recovery	=	7.42%	
62) 4-Bromofluorobenzene	12.41	95	37554	3.36	ug/l	0.00
Spiked Amount			Recovery	=	6.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	24706	3.753	ug/l	93
3) Chloromethane	2.04	50	25614	3.840	ug/l	98
4) Vinyl Chloride	2.17	62	25720	3.647	ug/l	98
5) Bromomethane	2.54	94	13715	3.291	ug/l	94
6) Chloroethane	2.68	64	16660	3.688	ug/l	98
7) Trichlorofluoromethane	3.00	101	34694	3.867	ug/l	97
8) Diethyl Ether	3.39	74	14888	3.905	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.74	101	23663	4.128	ug/l #	59
10) Methyl Iodide	3.93	142	17564	2.890	ug/l	97
11) Tert butyl alcohol	4.76	59	20805	17.888	ug/l #	80
12) 1,1-Dichloroethene	3.72	96	20377	3.964	ug/l	97
13) Acrolein	3.59	56	3253	3.699	ug/l #	81
14) Allyl chloride	4.30	41	38402	3.799	ug/l	95
15) Acrylonitrile	4.96	53	56040	17.156	ug/l	97
16) Acetone	3.80	43	61538	19.165	ug/l	98
17) Carbon Disulfide	4.03	76	39133	4.177	ug/l	95
18) Methyl Acetate	4.31	43	31154	3.625	ug/l	97
19) Methyl tert-butyl Ether	5.02	73	81989	3.812	ug/l	97
20) Methylene Chloride	4.53	84	27291	3.910	ug/l	92
21) trans-1,2-Dichloroethene	5.02	96	23197	4.175	ug/l	94
22) Diisopropyl ether	5.93	45	90128	3.803	ug/l #	83
23) Vinyl Acetate	5.87	43	324748	19.445	ug/l	97
24) 1,1-Dichloroethane	5.82	63	50086	3.872	ug/l	98
25) 2-Butanone	6.82	43	83678	17.992	ug/l	100
26) 2,2-Dichloropropane	6.80	77	39968	3.893	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	29676	3.966	ug/l	99
28) Bromochloromethane	7.17	49	21191	3.280	ug/l #	95
29) Tetrahydrofuran	7.19	42	52196	18.211	ug/l	99
30) Chloroform	7.36	83	52548	3.875	ug/l	98
31) Cyclohexane	7.64	56	52812	5.542	ug/l #	76
32) 1,1,1-Trichloroethane	7.55	97	38698	3.600	ug/l	95
36) 1,1-Dichloropropene	7.78	75	35613	3.763	ug/l	98
37) Ethyl Acetate	6.91	43	33213	3.386	ug/l	98
38) Carbon Tetrachloride	7.76	117	32284	3.721	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	40220	4.053	ug/l	97
40) Benzene	8.03	78	107414	3.770	ug/l	100
41) Methacrylonitrile	7.15	41	11487m	2.582	ug/l	
42) 1,2-Dichloroethane	8.11	62	43819	3.833	ug/l	99
43) Isopropyl Acetate	8.16	43	64571	3.913	ug/l #	87
44) Trichloroethene	8.82	130	26713	3.811	ug/l	88
45) 1,2-Dichloropropane	9.11	63	30530	3.668	ug/l	98
46) Dibromomethane	9.20	93	18447	3.672	ug/l	99
47) Bromodichloromethane	9.40	83	34454	3.444	ug/l	99
48) Methyl methacrylate	9.19	41	27322	3.282	ug/l	96
49) 1,4-Dioxane	9.19	88	8970	63.413	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	169691	17.573	ug/l	97
52) Toluene	10.15	92	64713	3.610	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	32305	3.073	ug/l	95
54) cis-1,3-Dichloropropene	9.83	75	39325	3.386	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	26895	3.537	ug/l	94
56) Ethyl methacrylate	10.43	69	36958	3.244	ug/l	96
57) 1,3-Dichloropropane	10.71	76	47097	3.593	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	84987	15.992	ug/l	99
59) 2-Hexanone	10.75	43	120039	16.627	ug/l	98
60) Dibromochloromethane	10.90	129	22316	3.165	ug/l	99
61) 1,2-Dibromoethane	11.00	107	25046	3.494	ug/l	100
64) Tetrachloroethene	10.63	164	21636	4.068	ug/l	98
65) Chlorobenzene	11.43	112	73699	3.925	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	23307	3.568	ug/l	98
67) Ethyl Benzene	11.51	91	127948	3.892	ug/l	98
68) m/p-Xylenes	11.62	106	92101	7.652	ug/l	97
69) o-Xylene	11.95	106	43768	3.669	ug/l	96
70) Styrene	11.97	104	74517	3.630	ug/l	100
71) Bromoform	12.13	173	12925	3.186	ug/l #	99
73) Isopropylbenzene	12.25	105	123000	4.591	ug/l	100
74) N-amyl acetate	12.07	43	44843	3.868	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	37143	4.120	ug/l	96
76) 1,2,3-Trichloropropane	12.56	75	34200m	4.409	ug/l	
77) Bromobenzene	12.53	156	28960	4.312	ug/l	98
78) n-propylbenzene	12.60	91	142674	4.644	ug/l	98
79) 2-Chlorotoluene	12.68	91	85991	4.418	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	101953	4.499	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.31	75	7016	3.197	ug/l #	81
82) 4-Chlorotoluene	12.78	91	88058	4.405	ug/l	97
83) tert-Butylbenzene	13.00	119	88391	4.390	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	98703	4.298	ug/l	99
85) sec-Butylbenzene	13.18	105	118028	4.428	ug/l	99
86) p-Isopropyltoluene	13.29	119	102308	4.362	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	52542	4.283	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	53390	4.273	ug/l	94
89) n-Butylbenzene	13.62	91	93482	4.206	ug/l	99
90) Hexachloroethane	13.88	117	12758	3.637	ug/l	89
91) 1,2-Dichlorobenzene	13.66	146	52063	4.237	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	6020	4.026	ug/l	93

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VSTDICC005

Manual Integrations
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Quant Title : SW846 8260
QLast Update : Thu Sep 19 01:40:20 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	30441	3.749	ug/l	99
94) Hexachlorobutadiene	15.01	225	16027	4.603	ug/l	96
95) Naphthalene	15.13	128	76294	3.279	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	28756	3.621	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

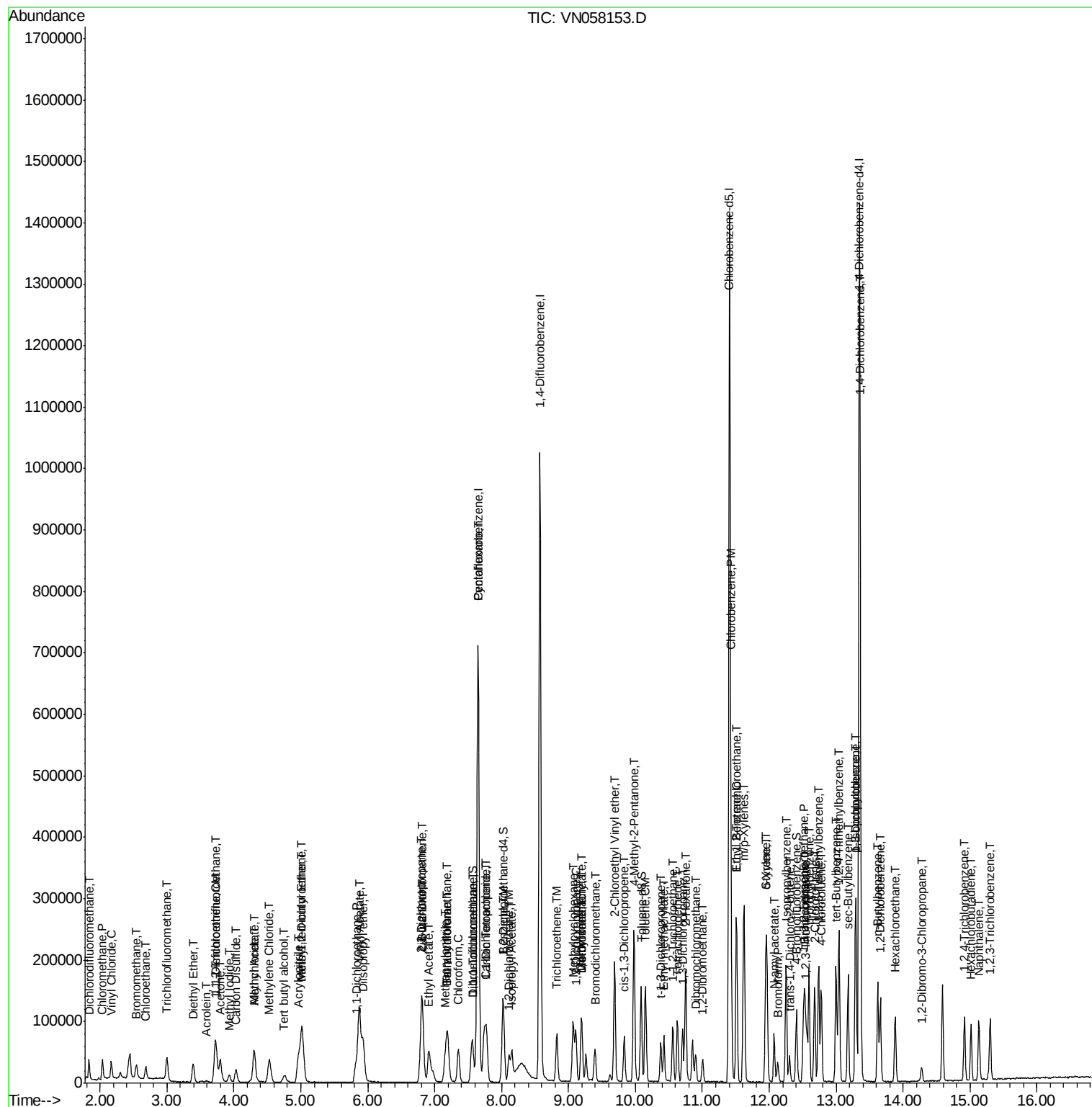
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Data File : VN058153.D
Acq On : 18 Sep 2019 9:43
Operator : JC/SP
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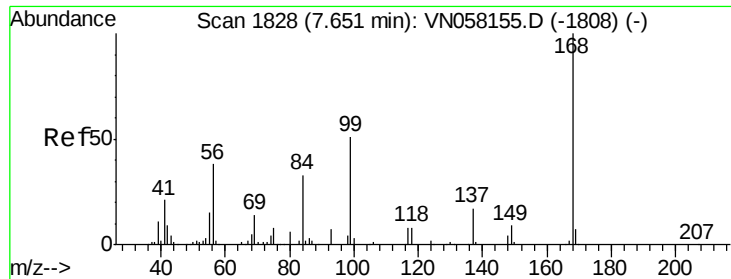
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058153.D

Acq: 18 Sep 2019 9:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 515274

Ion Ratio Lower Upper

168 100

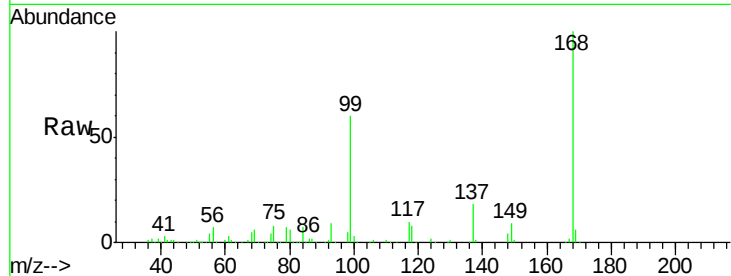
99 59.5 47.4 71.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

250000

200000

150000

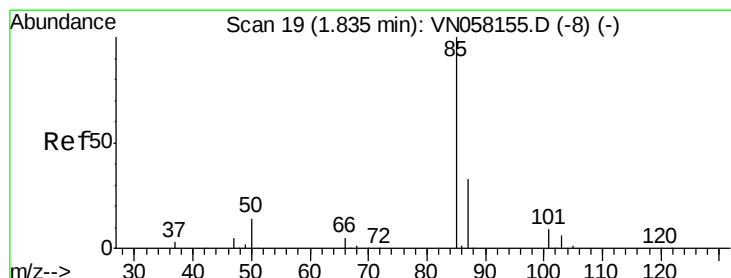
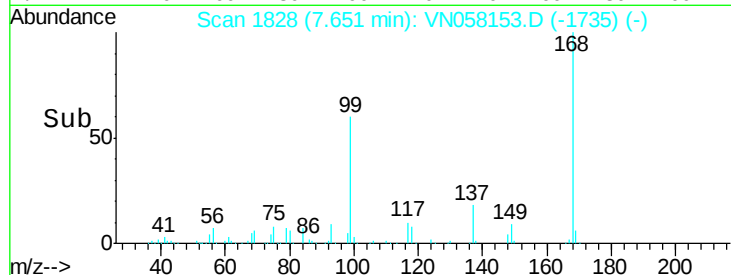
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 3.753 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058153.D

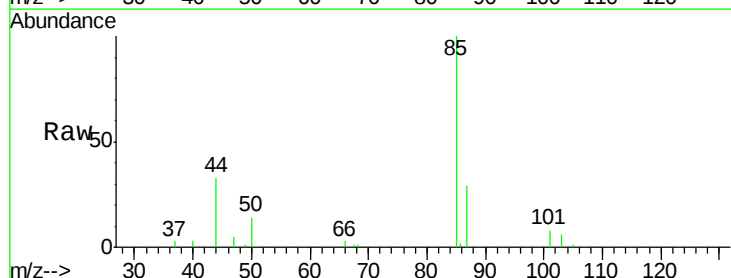
Acq: 18 Sep 2019 9:43

Tgt Ion: 85 Resp: 24706

Ion Ratio Lower Upper

85 100

87 28.5 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

20000

15000

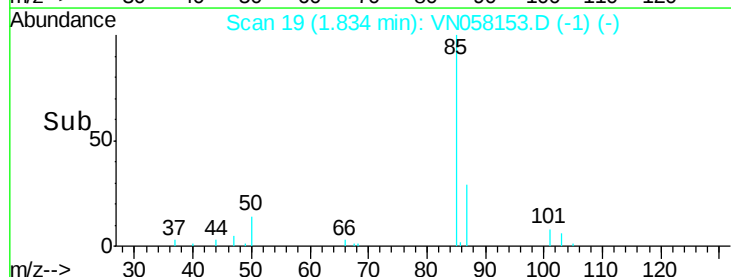
10000

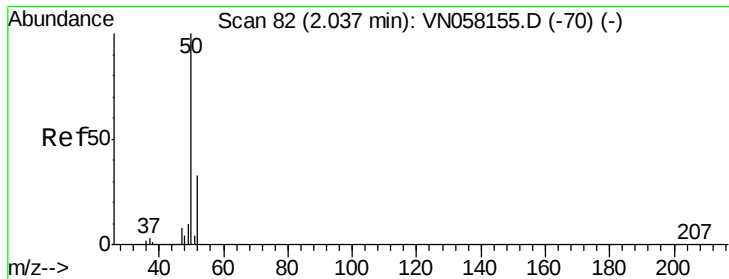
5000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 3.840 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN058153.D

Acq: 18 Sep 2019 9:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 25614

Ion Ratio Lower Upper

50 100

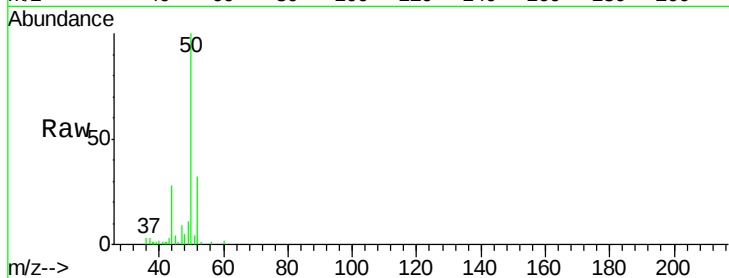
52 31.7 26.3 39.5

Manual Integrations

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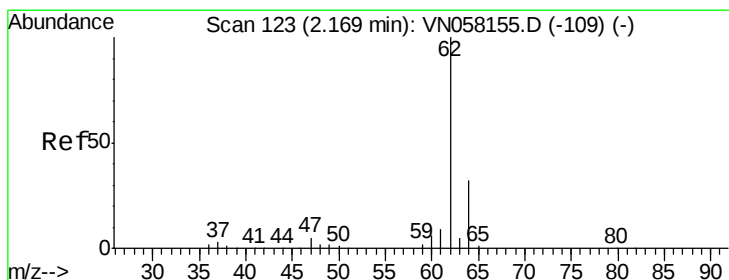
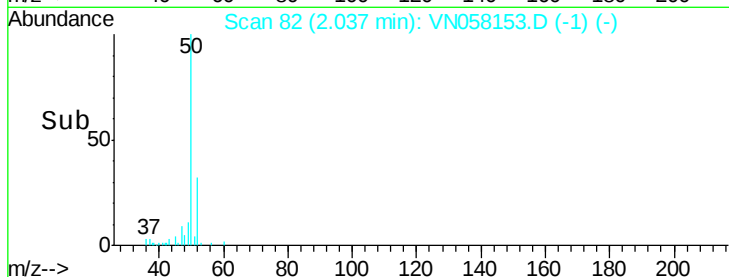
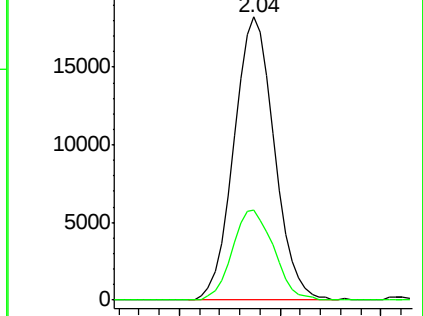
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 3.647 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058153.D

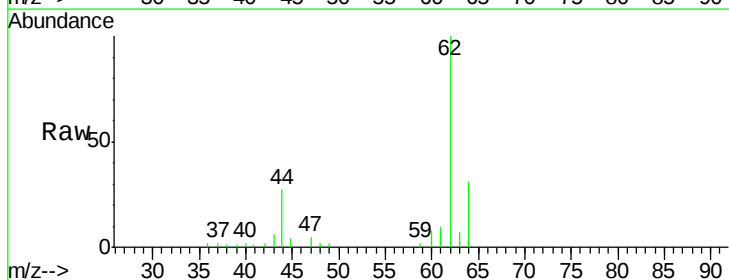
Acq: 18 Sep 2019 9:43

Tgt Ion: 62 Resp: 25720

Ion Ratio Lower Upper

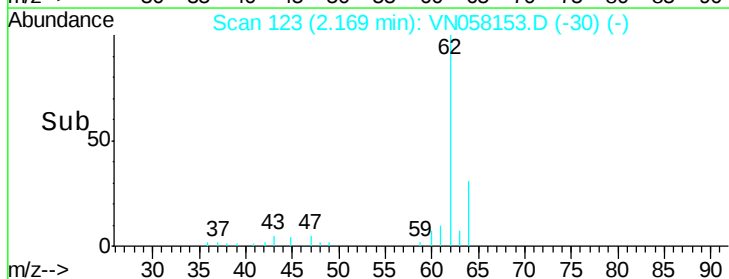
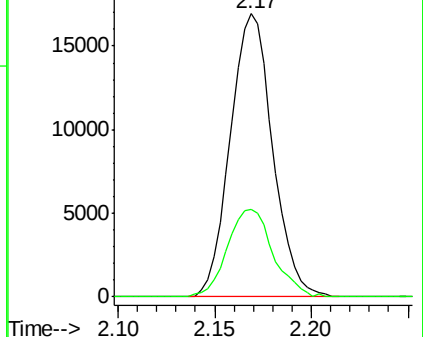
62 100

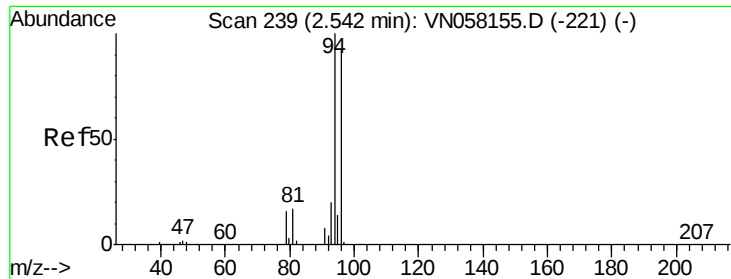
64 30.9 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 3.291 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.00 min

Lab File: VN058153.D

Acq: 18 Sep 2019 9:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 13715

Ion Ratio Lower Upper

94 100

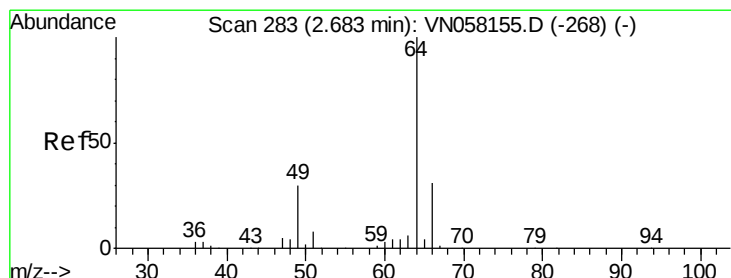
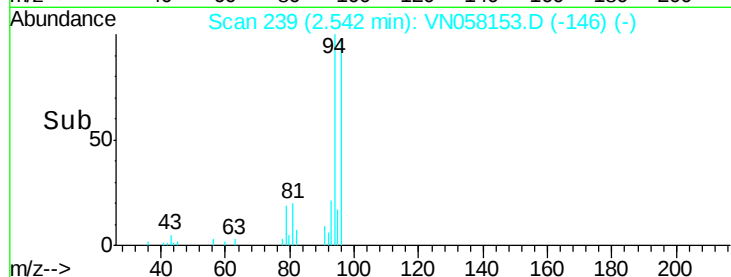
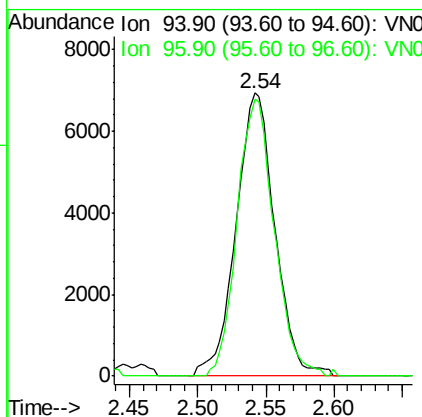
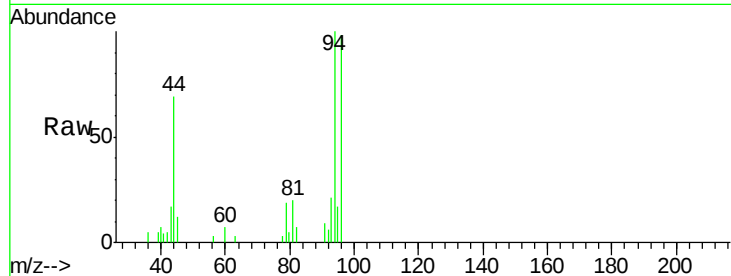
96 97.8 73.3 109.9

Manual Integrations

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#6

Chloroethane

Concen: 3.688 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN058153.D

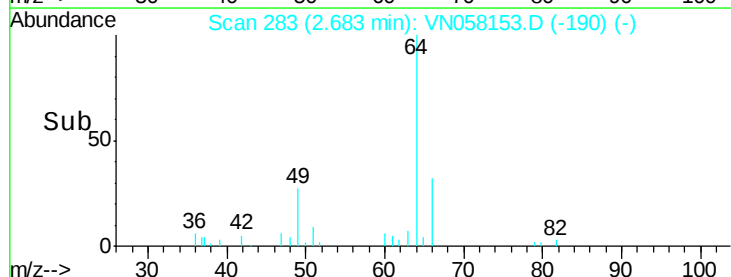
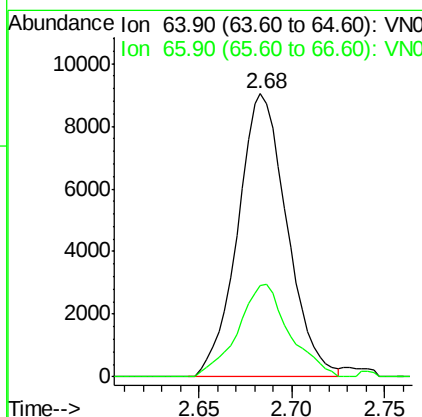
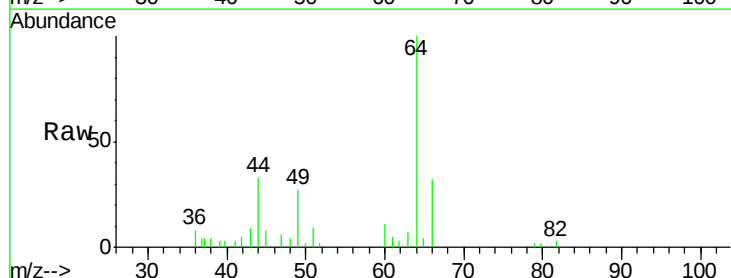
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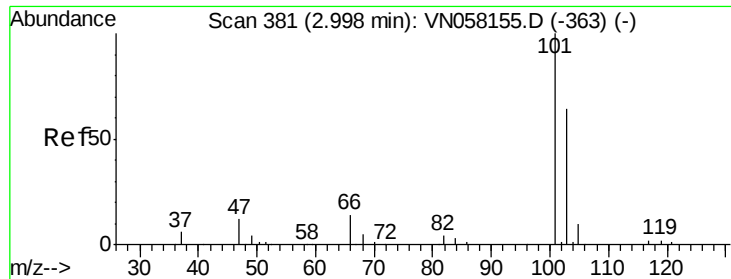
Tgt Ion: 64 Resp: 16660

Ion Ratio Lower Upper

64 100

66 32.1 24.6 37.0





#7

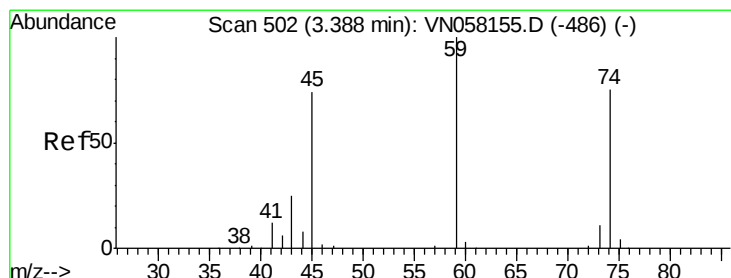
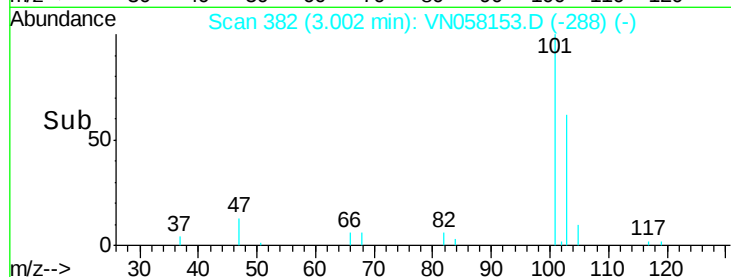
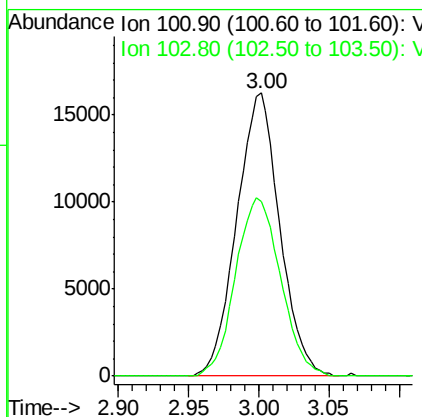
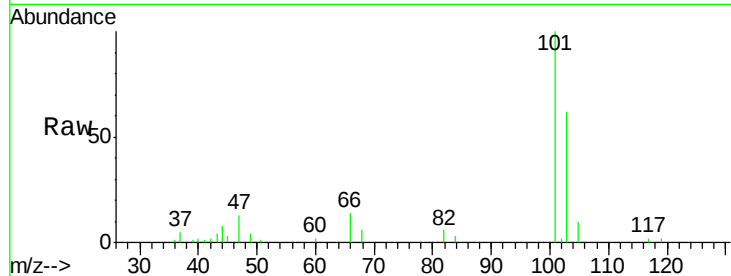
Trichlorofluoromethane
Concen: 3.867 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:101 Resp: 34694
Ion Ratio Lower Upper
101 100
103 61.7 51.0 76.6

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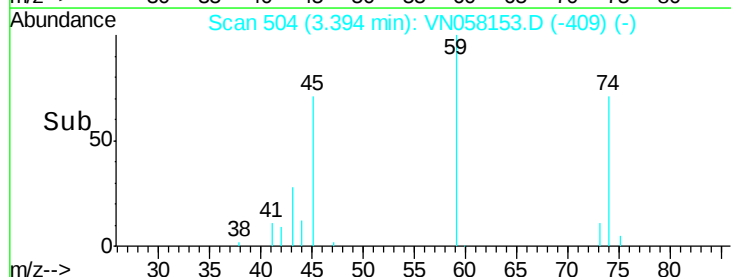
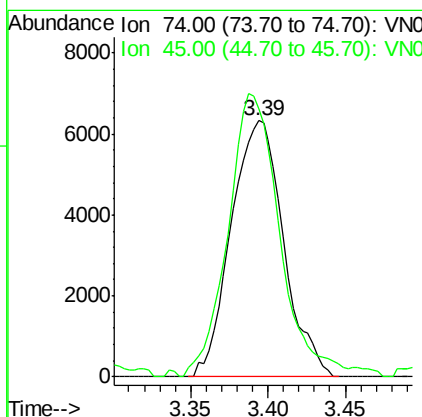
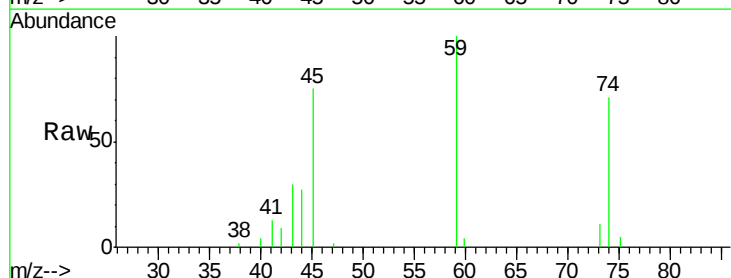
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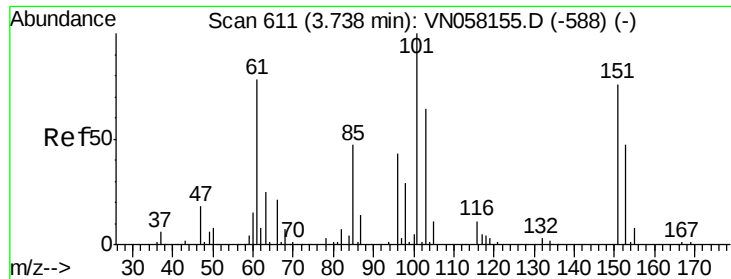


#8

Diethyl Ether
Concen: 3.905 ug/l
RT: 3.39 min Scan# 504
Delta R.T. 0.01 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

Tgt Ion: 74 Resp: 14888
Ion Ratio Lower Upper
74 100
45 108.7 48.5 145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.128 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN058153.D

Acq: 18 Sep 2019 9:43

Instrument :

MSVOA_N

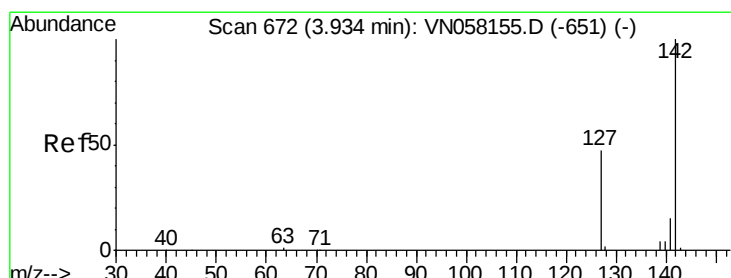
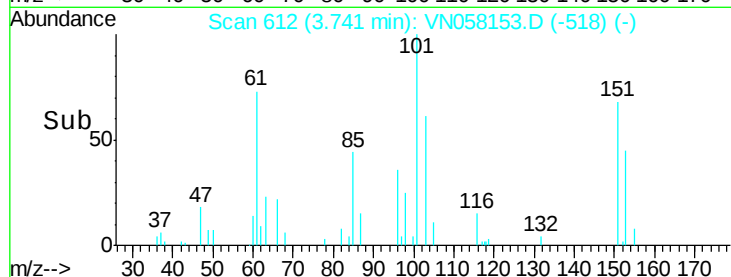
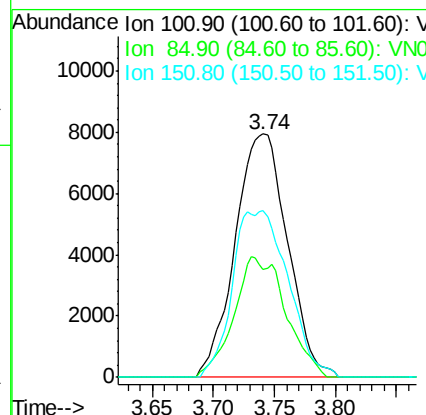
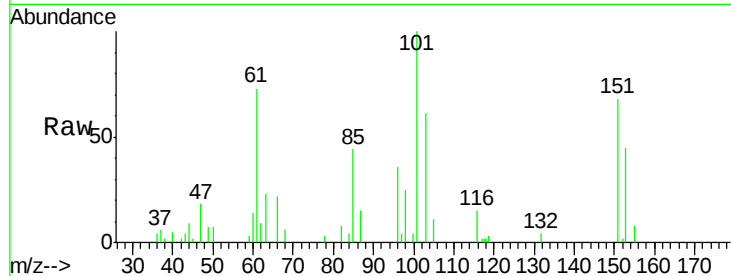
ClientSampled :

VSTDIC005

Tot Ion:	101	Resp:	23663
Ion Ratio	Lower	Upper	
101	100		
85	28.0	37.3	55.9#
151	32.5	59.6	89.4#

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#10

Methyl Iodide

Concen: 2.890 ug/l

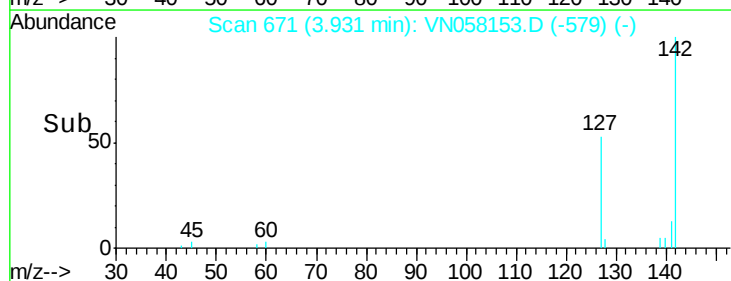
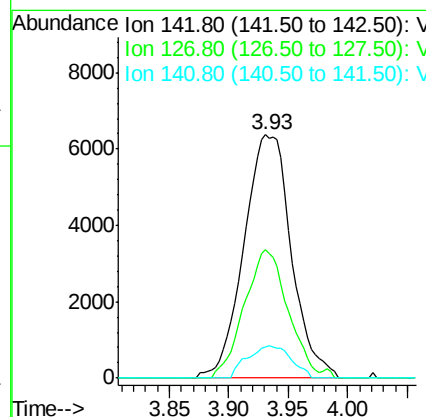
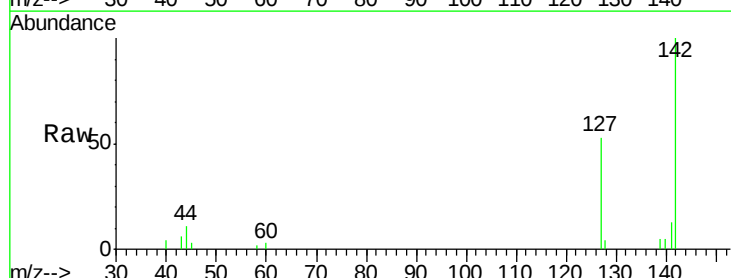
RT: 3.93 min Scan# 671

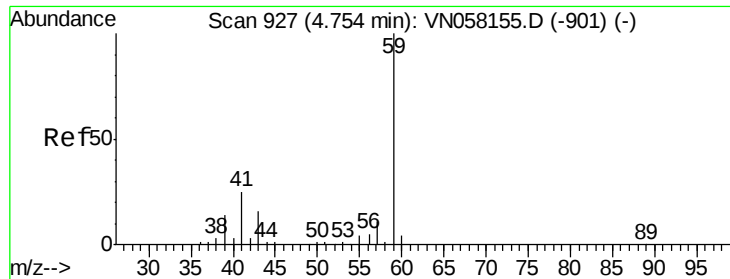
Delta R.T. -0.00 min

Lab File: VN058153.D

Acq: 18 Sep 2019 9:43

Tgt Ion:	142	Resp:	17564
Ion Ratio	Lower	Upper	
142	100		
127	48.5	37.5	56.3
141	12.3	11.4	17.2





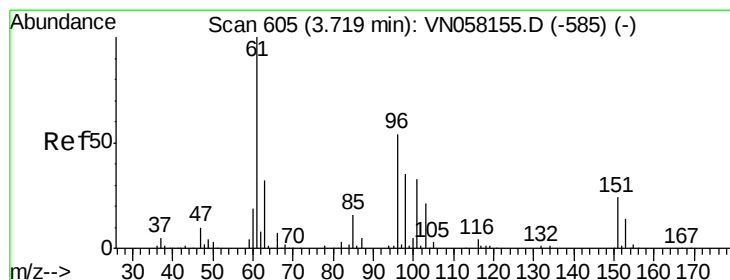
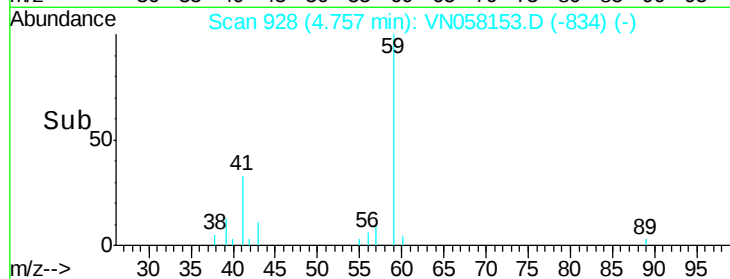
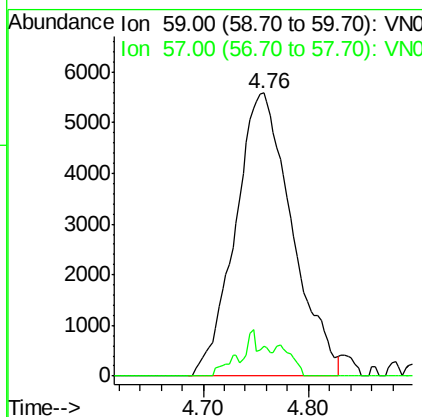
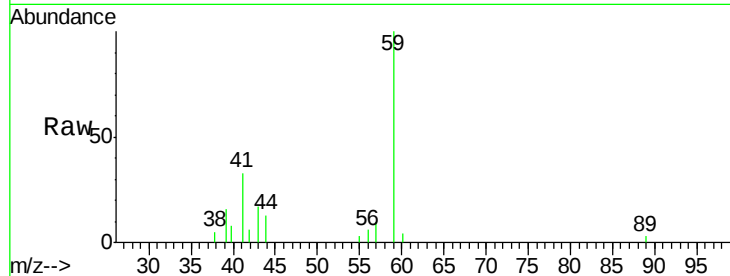
#11
Tert butyl alcohol
Concen: 17.888 ug/l
RT: 4.76 min Scan# 928
Delta R.T. 0.00 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
59	100	20805		
57	3.2		8.6	13.0#

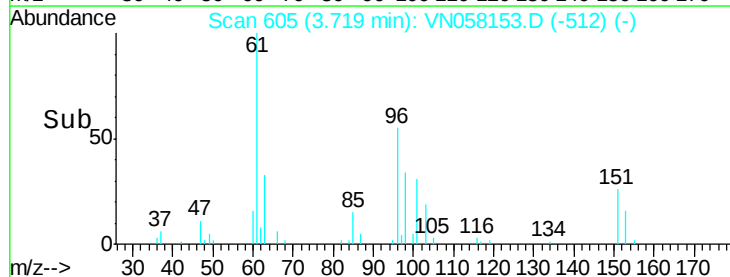
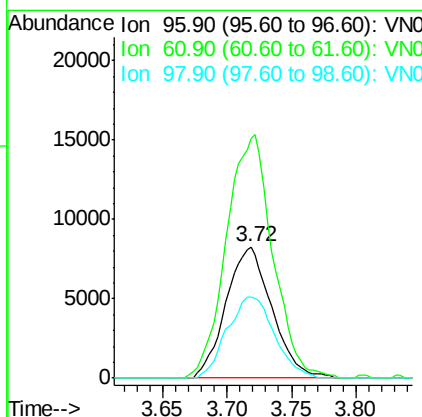
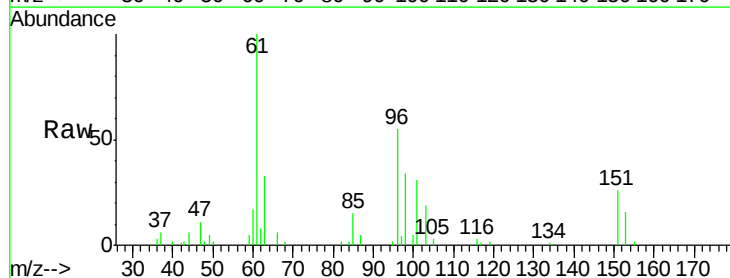
Manual Integrations
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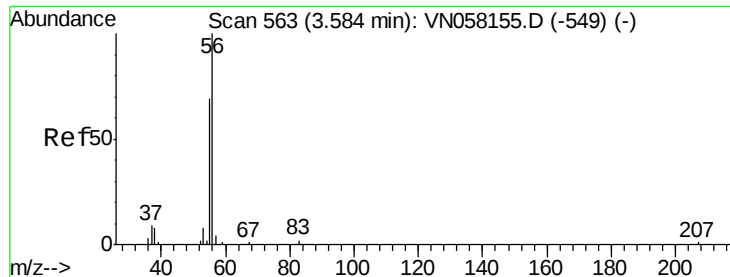
MMDadoda
9/20/2019 1:14:13 PM



#12
1,1-Dichloroethene
Concen: 3.964 ug/l
RT: 3.72 min Scan# 605
Delta R.T. -0.00 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	20377		
61	183.1		149.5	224.3
98	62.2		52.4	78.6





#13

Acrolein

Concen: 3.699 ug/l

RT: 3.59 min Scan# 565

Delta R.T. 0.01 min

Lab File: VN058153.D

Acq: 18 Sep 2019 9:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 3253

Ion Ratio Lower Upper

56 100

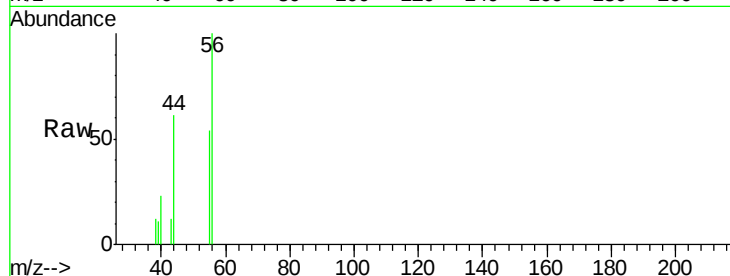
55 54.2 56.1 84.1#

Manual Integrations

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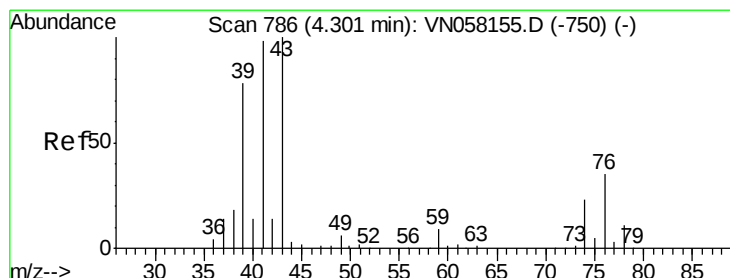
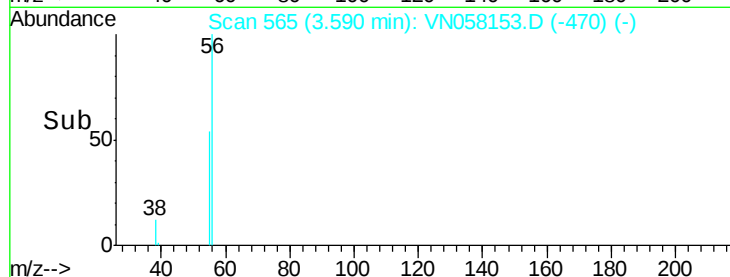
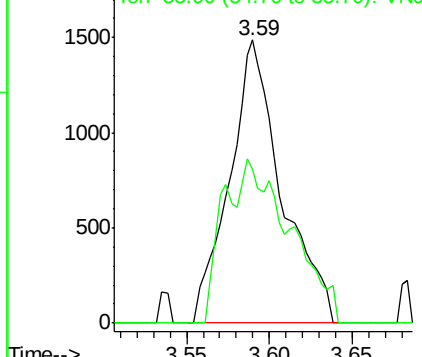
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 3.799 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058153.D

Acq: 18 Sep 2019 9:43

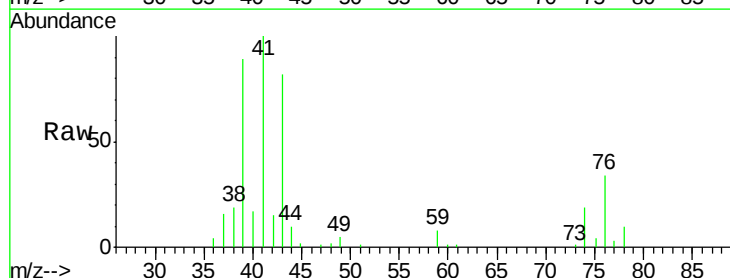
Tgt Ion: 41 Resp: 38402

Ion Ratio Lower Upper

41 100

39 79.5 59.1 88.7

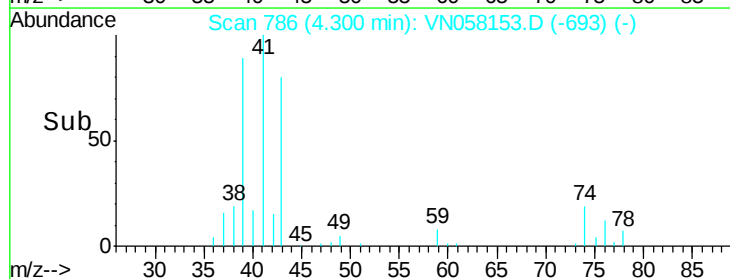
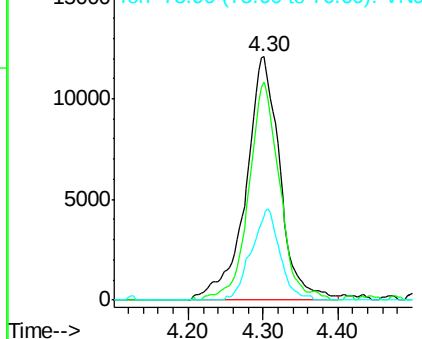
76 30.9 25.1 37.7

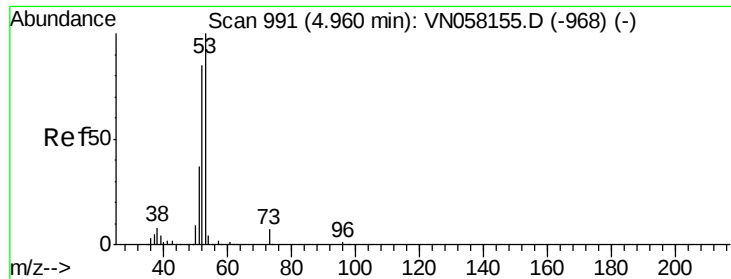


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 17.156 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN058153.D

Acq: 18 Sep 2019 9:43

Instrument :

MSVOA_N

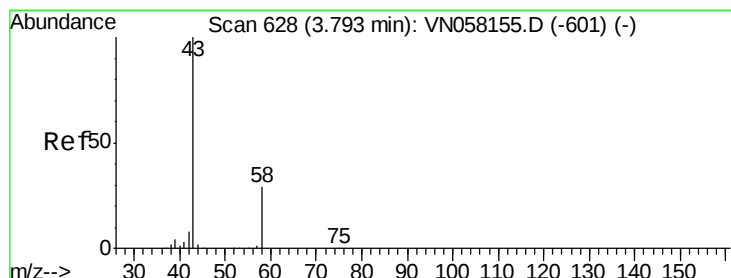
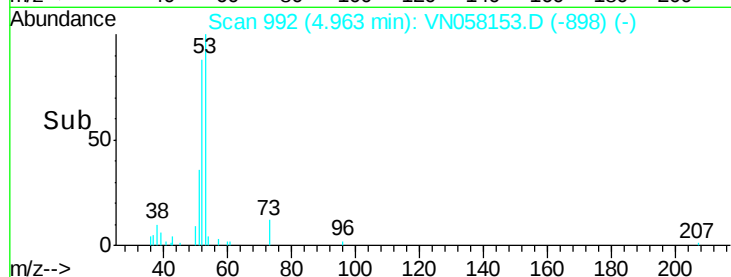
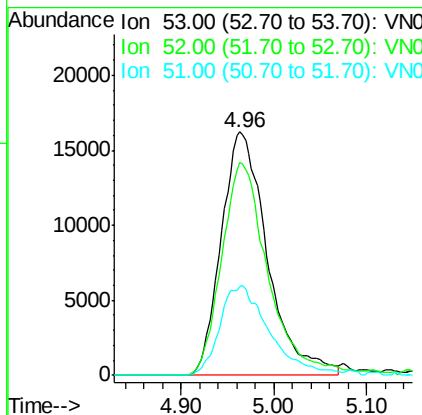
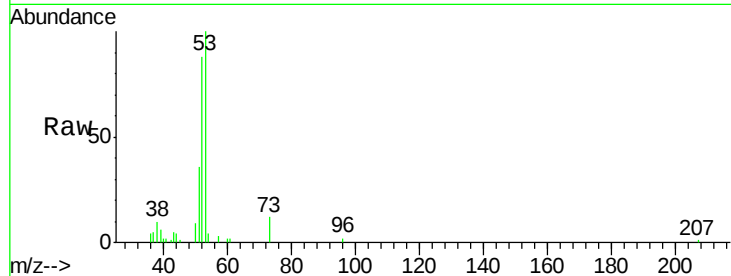
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	56040
Ion Ratio	Lower	Upper	
53	100		
52	86.1	66.6	100.0
51	39.4	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 19.165 ug/l

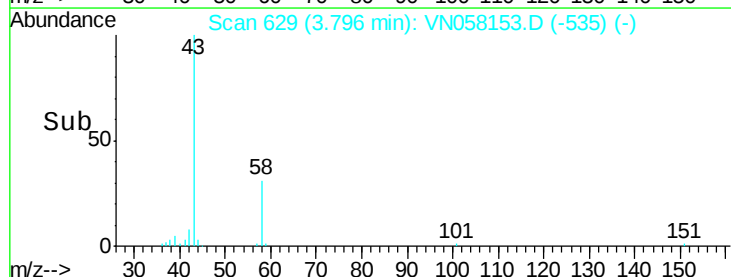
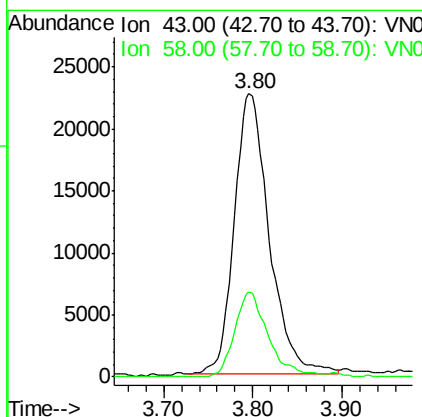
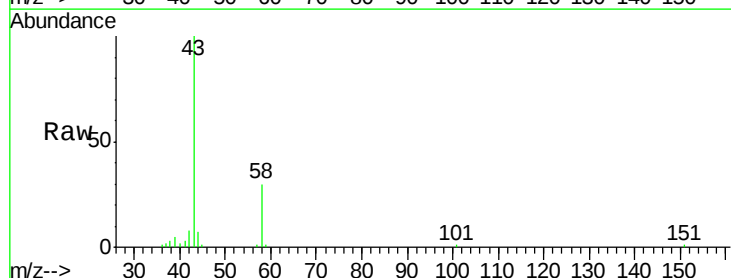
RT: 3.80 min Scan# 629

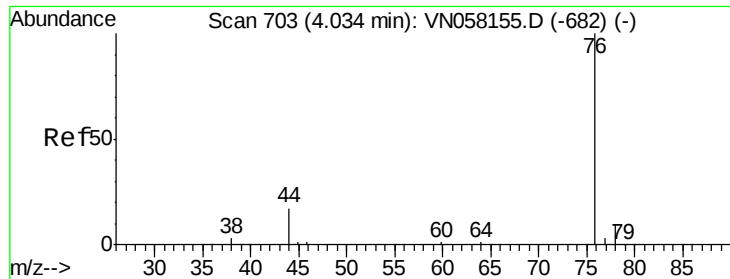
Delta R.T. 0.00 min

Lab File: VN058153.D

Acq: 18 Sep 2019 9:43

Tgt Ion:	43	Resp:	61538
Ion Ratio	Lower	Upper	
43	100		
58	30.4	23.4	35.2





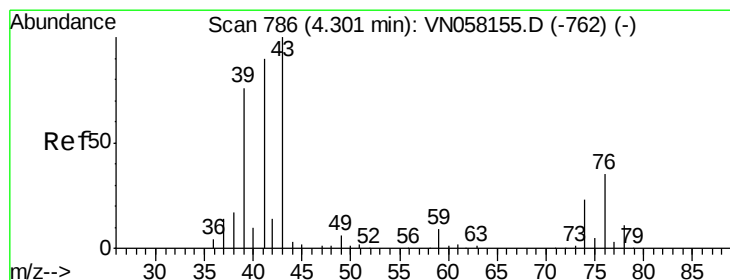
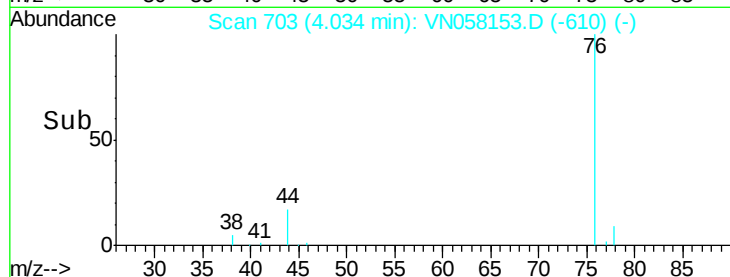
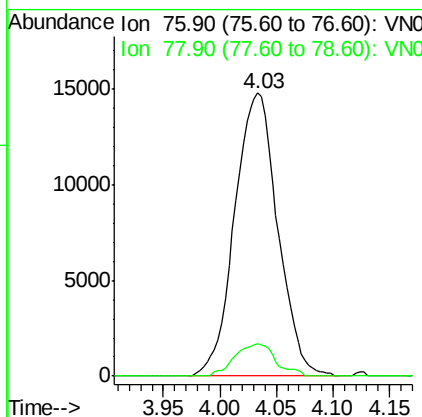
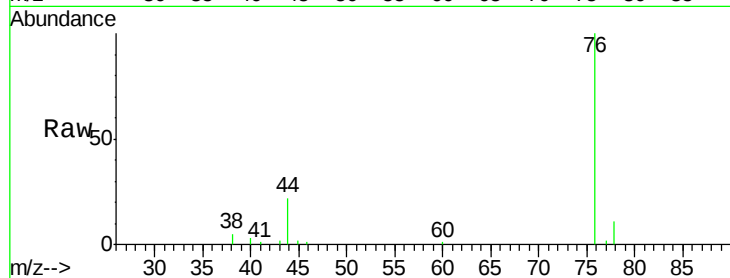
#17
Carbon Disulfide
Concen: 4.177 ug/l
RT: 4.03 min Scan# 703
Delta R.T. -0.00 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	76	Resp	39133
Ion	Ratio	Lower	Upper
76	100		
78	11.3	7.7	11.5

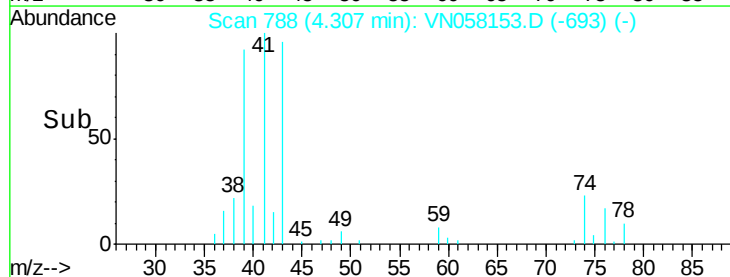
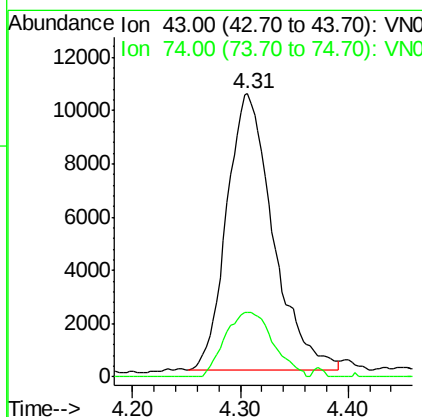
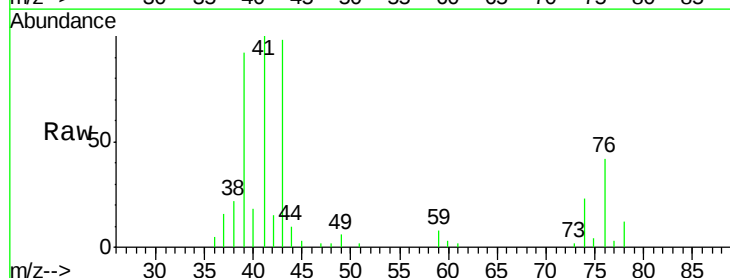
Manual Integrations
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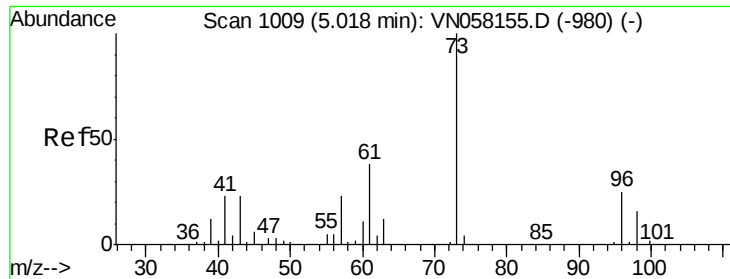
MMDadoda
9/20/2019 1:14:13 PM



#18
Methyl Acetate
Concen: 3.625 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.01 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

Tgt Ion	43	Resp	31154
Ion	Ratio	Lower	Upper
43	100		
74	24.1	18.0	27.0





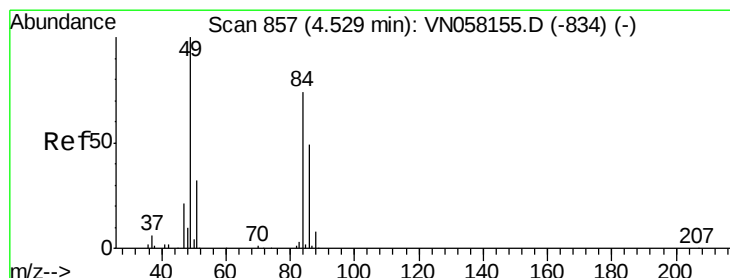
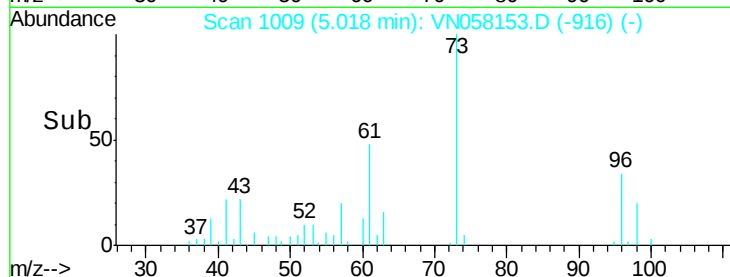
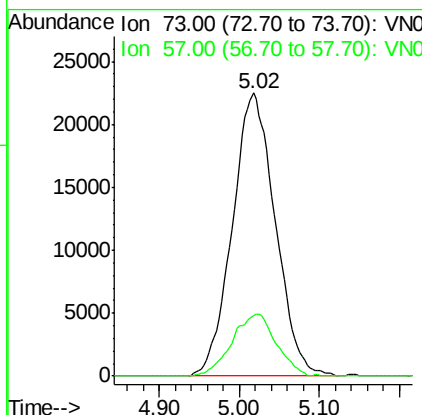
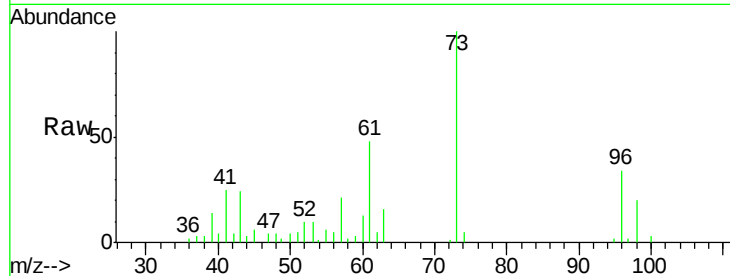
#19
Methvl tert-butvl Ether
Concen: 3.812 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 81989
Ion Ratio Lower Upper
73 100
57 21.3 18.1 27.1

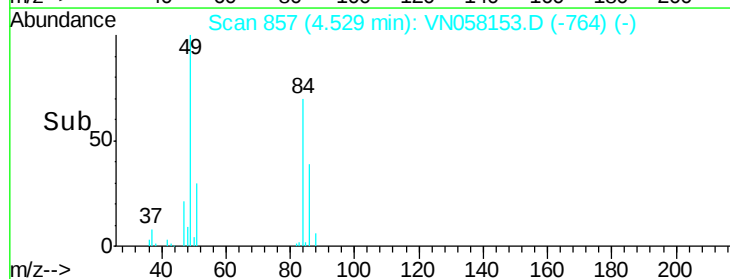
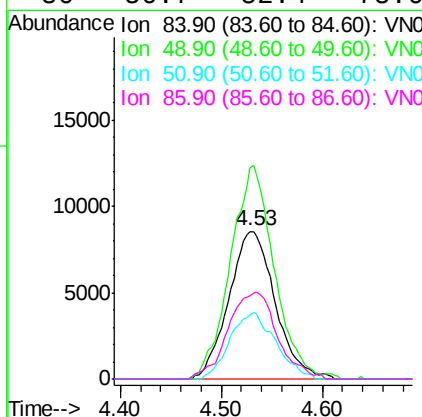
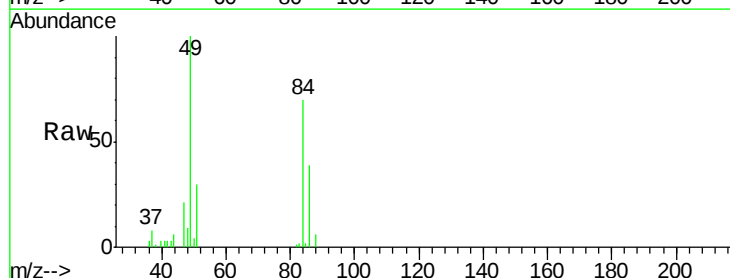
Manual Integrations
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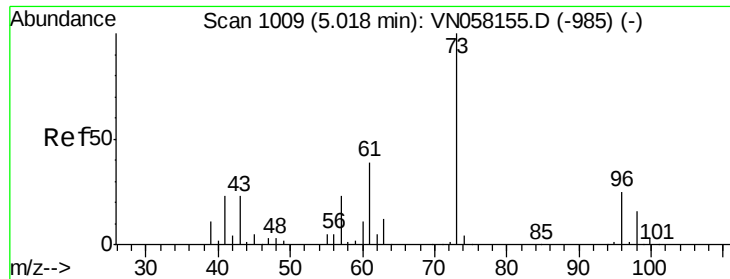
MMDadoda
9/20/2019 1:14:13 PM



#20
Methylene Chloride
Concen: 3.910 ug/l
RT: 4.53 min Scan# 857
Delta R.T. -0.00 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

Tgt Ion: 84 Resp: 27291
Ion Ratio Lower Upper
84 100
49 143.6 107.5 161.3
51 43.2 33.9 50.9
86 56.7 52.4 78.6





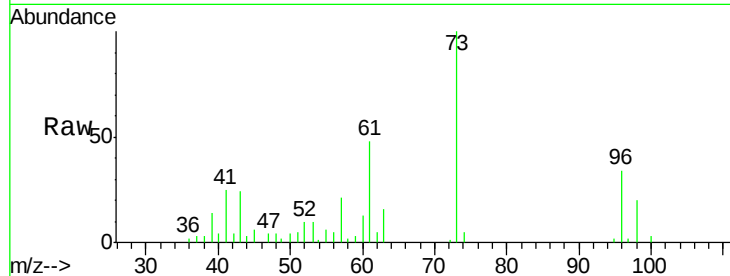
#21
trans-1,2-Dichloroethene
Concen: 4.175 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.5	122.2	183.4
98	60.7	49.9	74.9

Manual Integrations
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MMDadoda
9/20/2019 1:14:13 PM

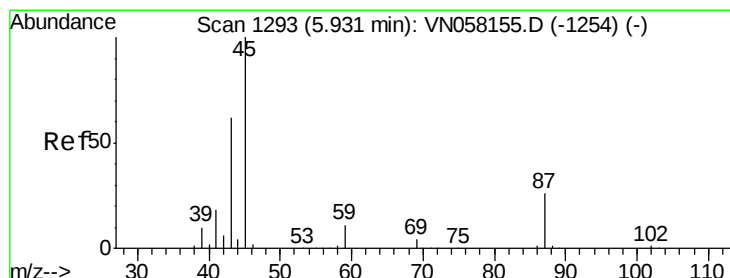
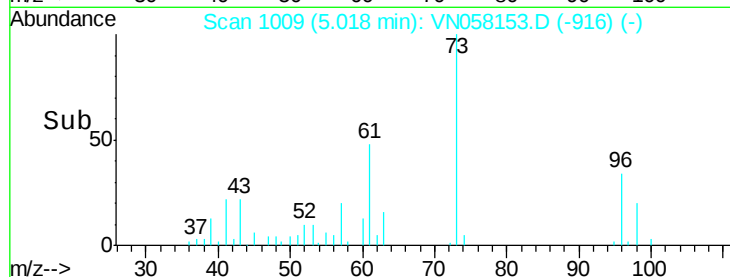
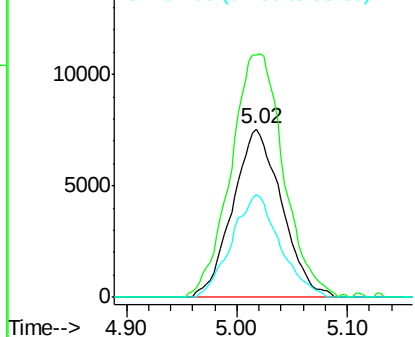


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22
Diisopropyl ether
Concen: 3.803 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

Tgt Ion	Ratio	Lower	Upper
45	100		
43	82.1	49.7	74.5#
87	25.8	20.7	31.1
59	10.3	9.1	13.7

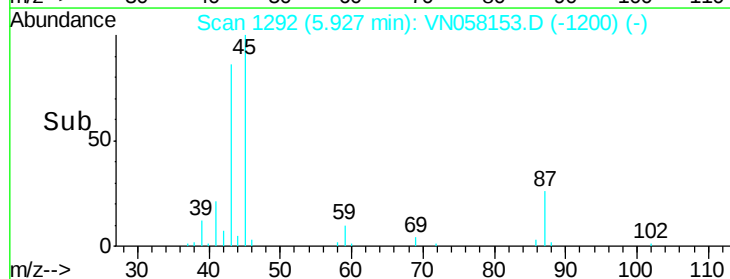
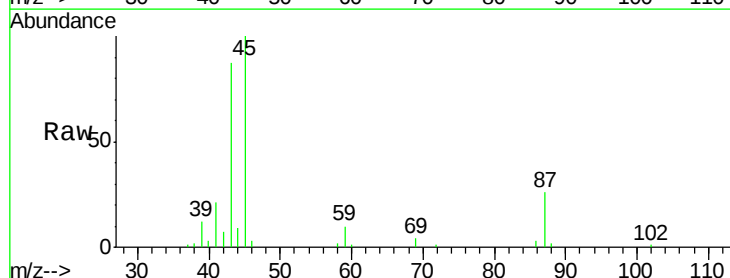
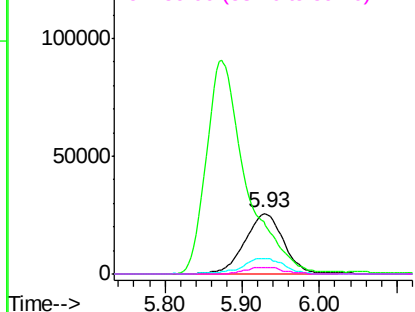
Abundance

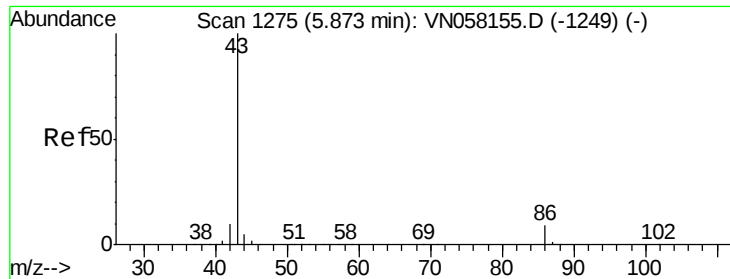
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





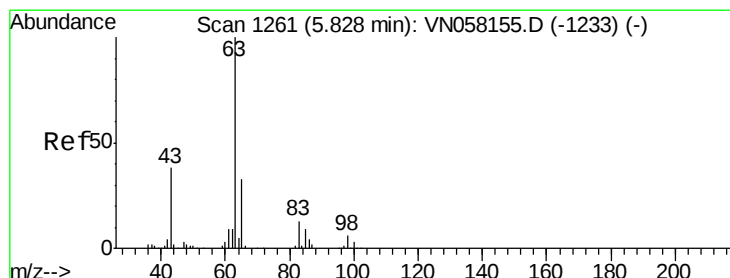
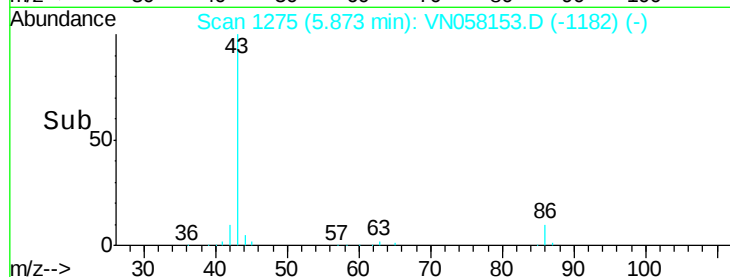
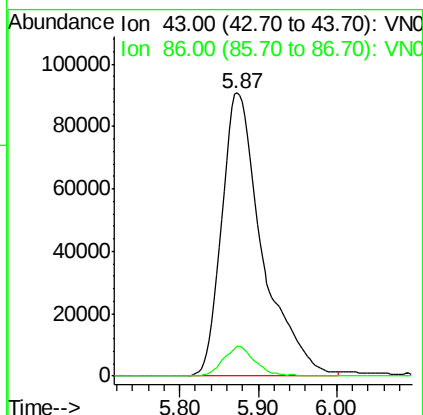
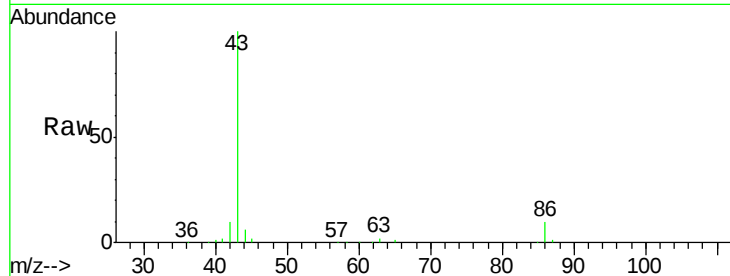
#23
 Vinyl Acetate
 Concen: 19.445 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	43	Resp	324748
Ion Ratio	100	Lower	Upper
43	100		
86	10.4	7.4	11.2

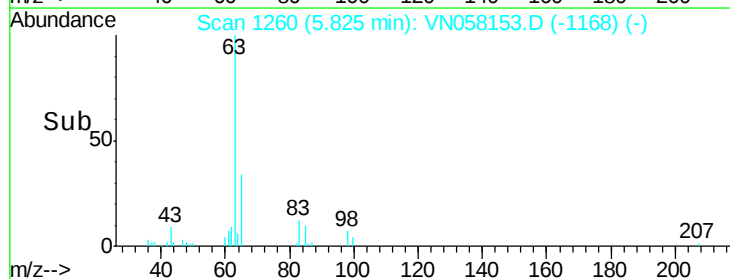
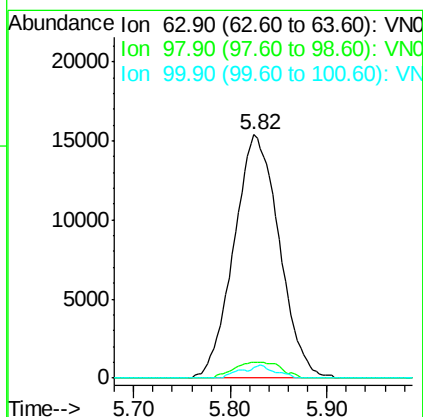
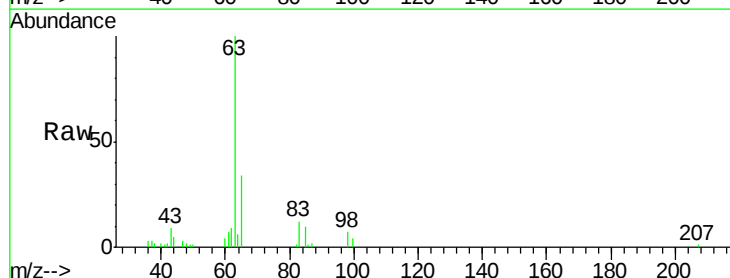
Manual Integrations
 APPROVED

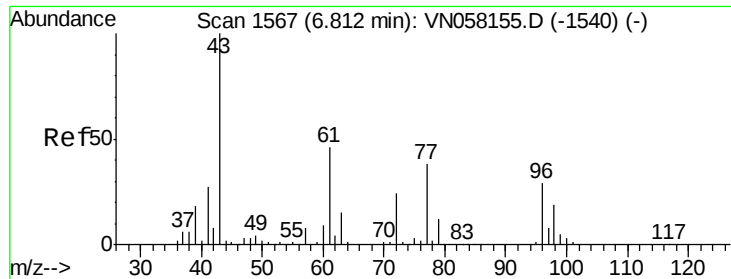
MMDadoda
 9/20/2019 1:14:13 PM



#24
 1,1-Dichloroethane
 Concen: 3.872 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion	63	Resp	50086
Ion Ratio	100	Lower	Upper
63	100		
98	6.6	2.9	8.6
100	4.2	1.8	5.3





#25

2-Butanone

Concen: 17.992 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.01 min

Lab File: VN058153.D

Acq: 18 Sep 2019 9:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 83678

Ion Ratio Lower Upper

43 100

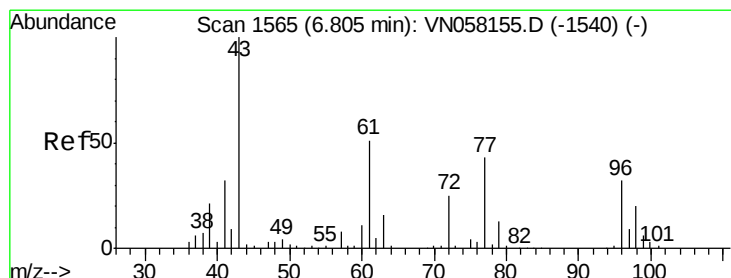
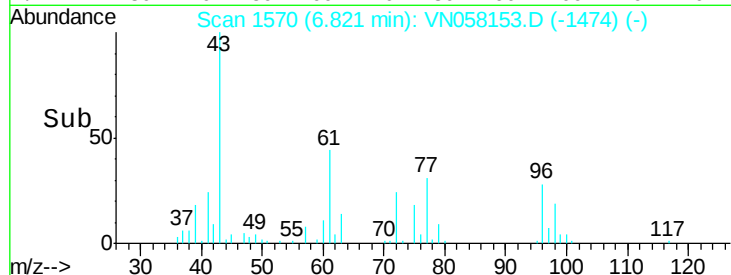
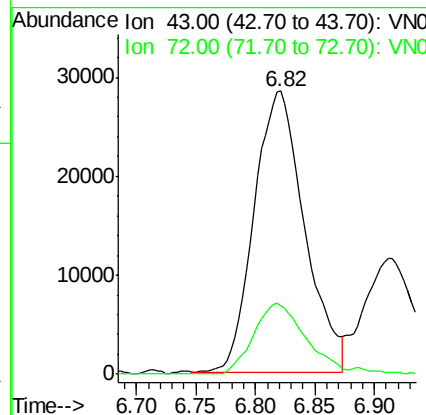
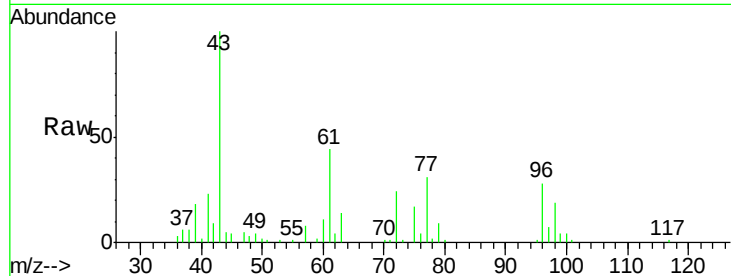
72 24.4 19.5 29.3

Manual Integrations

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9/20/2019 1:14:13 PM



#26

2,2-Dichloropropane

Concen: 3.893 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.01 min

Lab File: VN058153.D

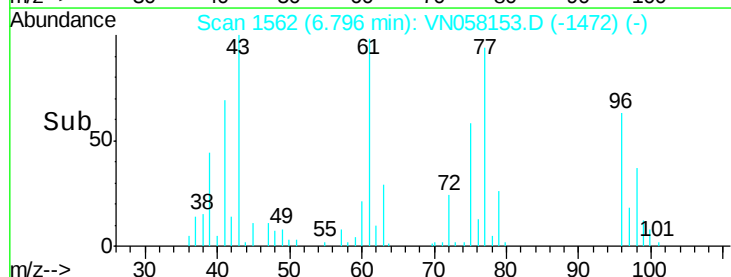
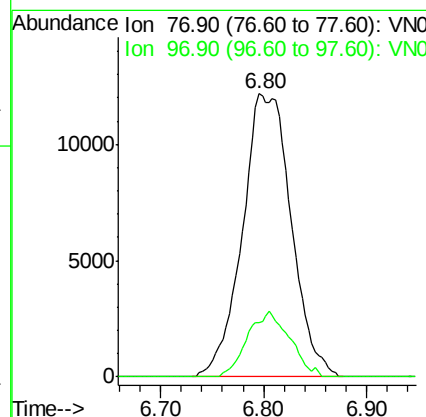
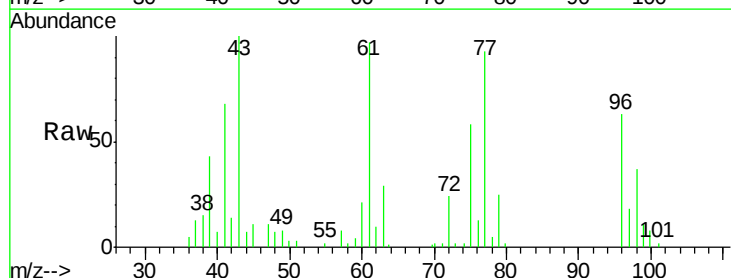
Acq: 18 Sep 2019 9:43

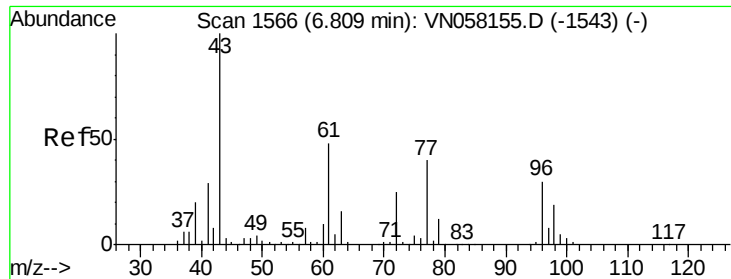
Tgt Ion: 77 Resp: 39968

Ion Ratio Lower Upper

77 100

97 20.2 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 3.966 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN058153.D

Acq: 18 Sep 2019 9:43

Instrument :

MSVOA_N

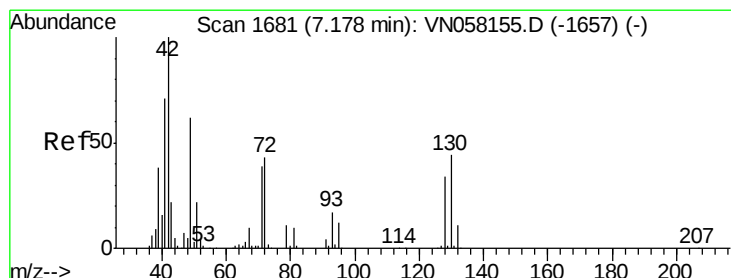
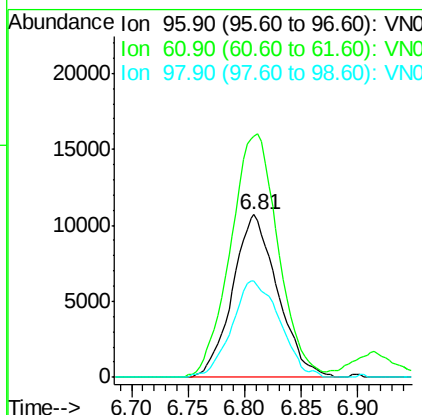
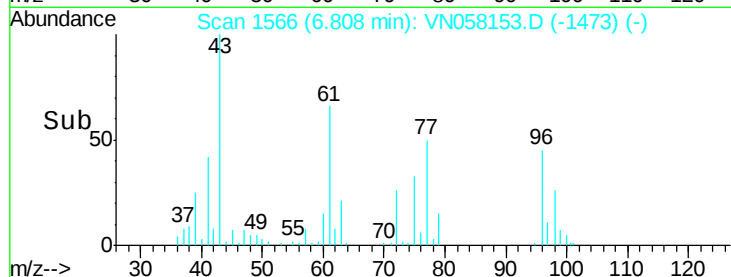
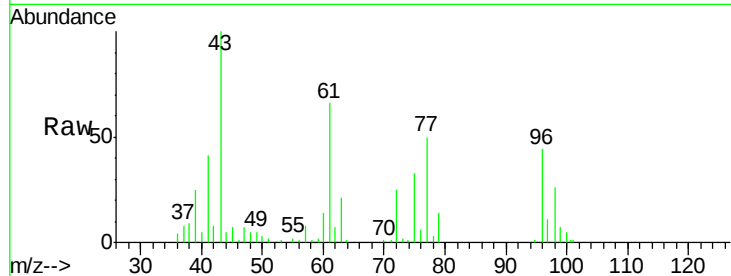
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	29676
Ion	Ratio	Lower	Upper
96	100		
61	158.0	0.0	319.0
98	63.2	0.0	126.6

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#28

Bromochloromethane

Concen: 3.280 ug/l

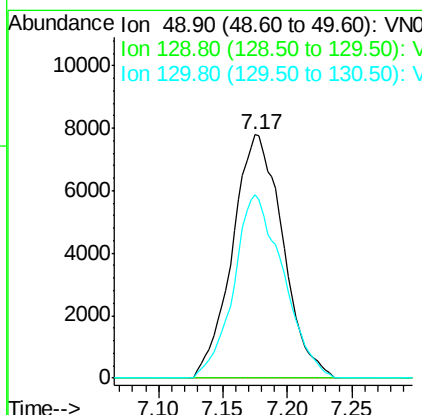
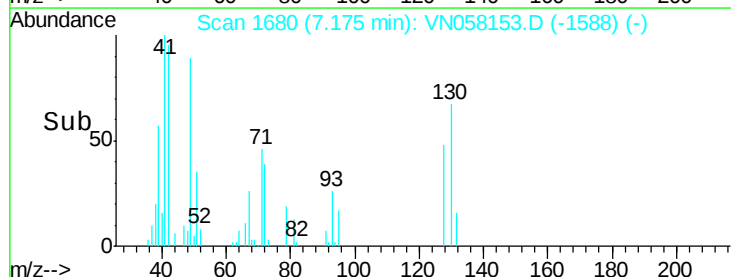
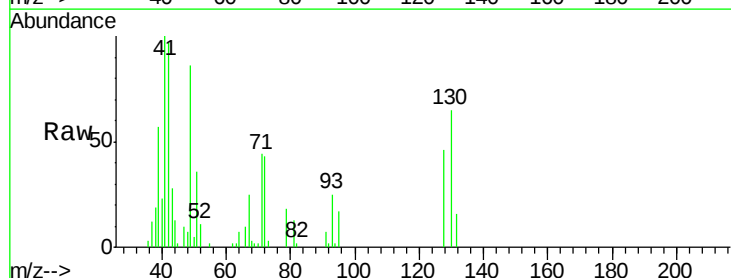
RT: 7.17 min Scan# 1680

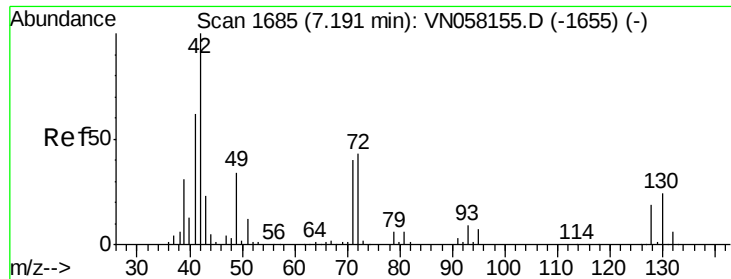
Delta R.T. -0.00 min

Lab File: VN058153.D

Acq: 18 Sep 2019 9:43

Tgt Ion:	49	Resp:	21191
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	1.8
130	73.8	55.4	83.2





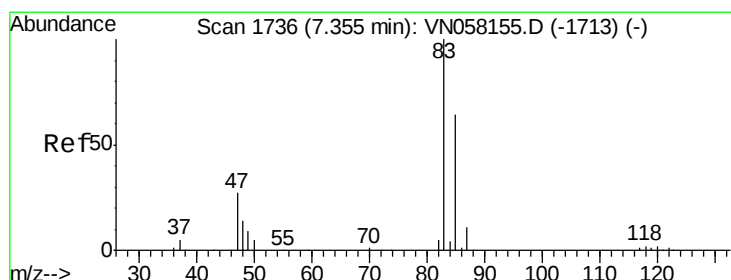
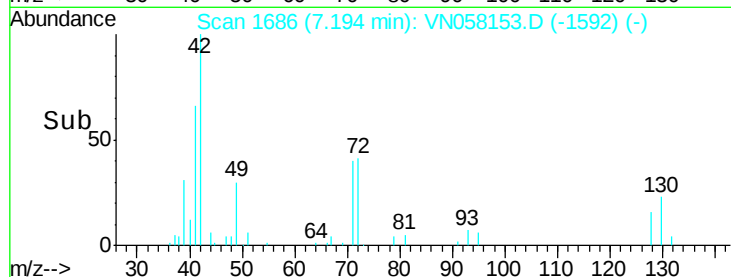
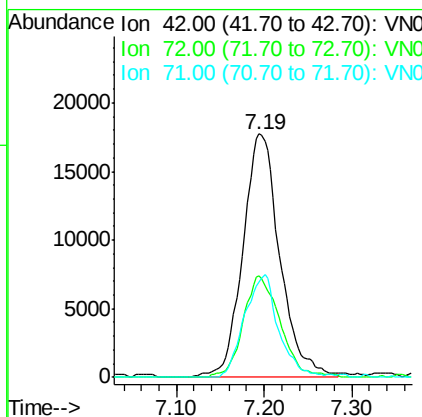
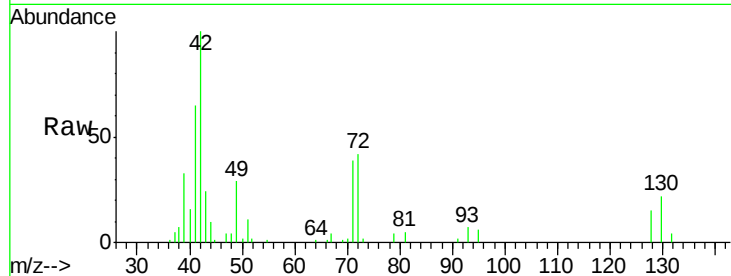
#29
Tetrahydrofuran
Concen: 18.211 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.6	33.8	50.6
71	38.6	31.4	47.0

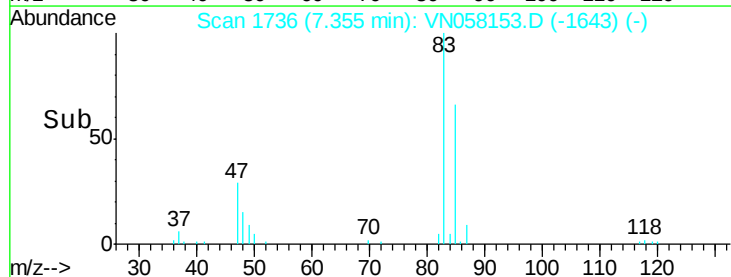
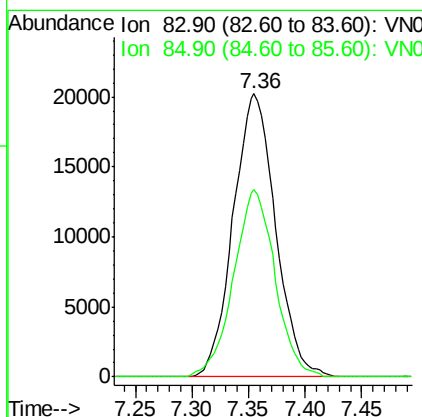
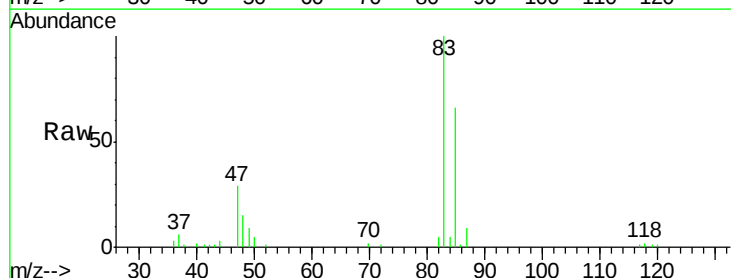
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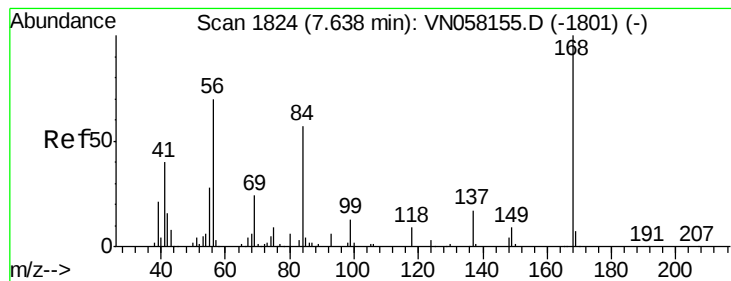
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#30
Chloroform
Concen: 3.875 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	51.4	77.2





#31

Cyclohexane

Concen: 5.542 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN058153.D

Acq: 18 Sep 2019 9:43

Instrument :

MSVOA_N

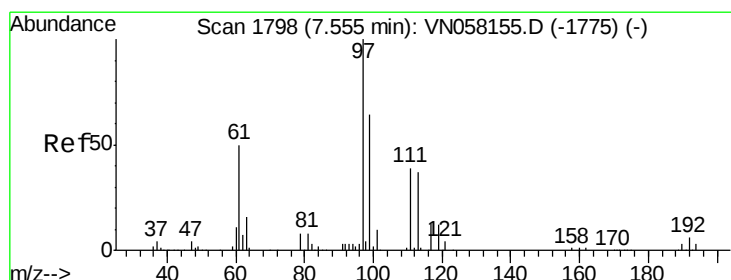
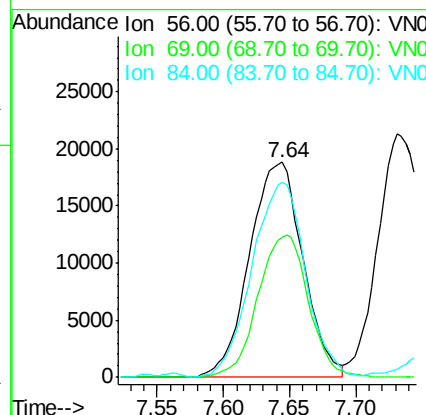
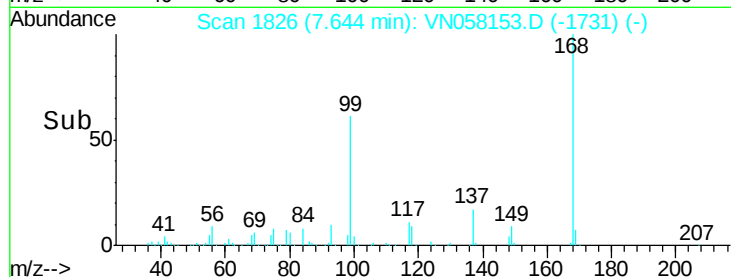
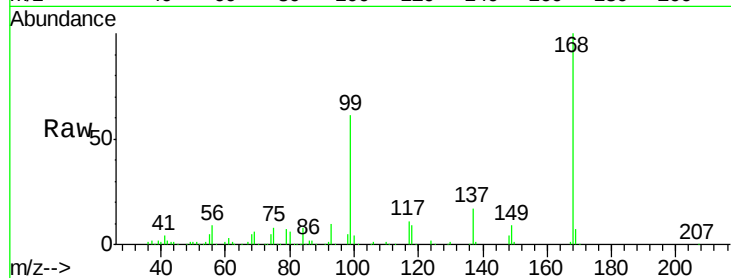
ClientSampleId :

VSTDIC005

Tot Ion:	56	Resp:	52812
Ion Ratio	Lower	Upper	
56	100		
69	65.3	27.3	40.9#
84	90.9	65.0	97.4

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#32

1,1,1-Trichloroethane

Concen: 3.600 ug/l

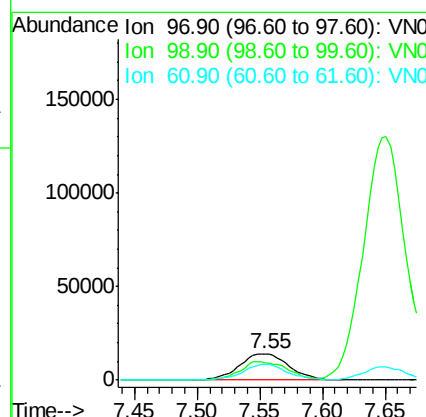
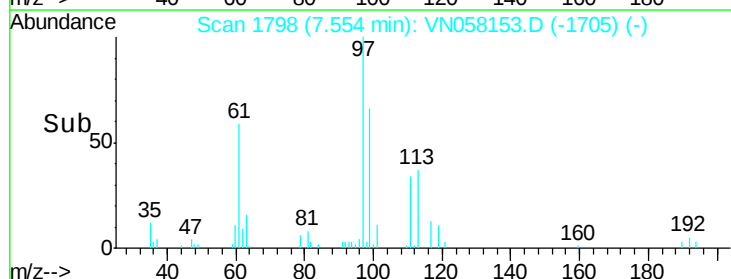
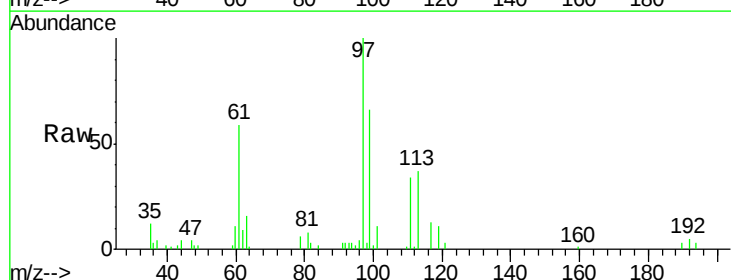
RT: 7.55 min Scan# 1798

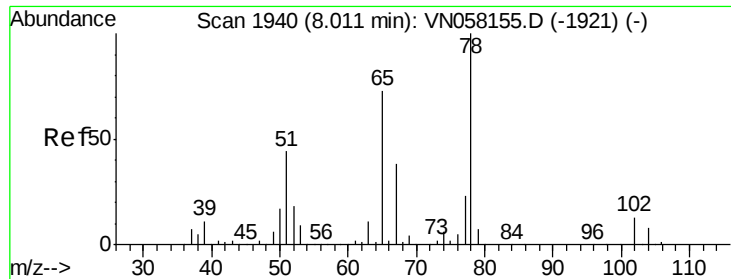
Delta R.T. -0.00 min

Lab File: VN058153.D

Acq: 18 Sep 2019 9:43

Tgt Ion:	97	Resp:	38698
Ion Ratio	Lower	Upper	
97	100		
99	67.3	50.9	76.3
61	53.0	39.2	58.8





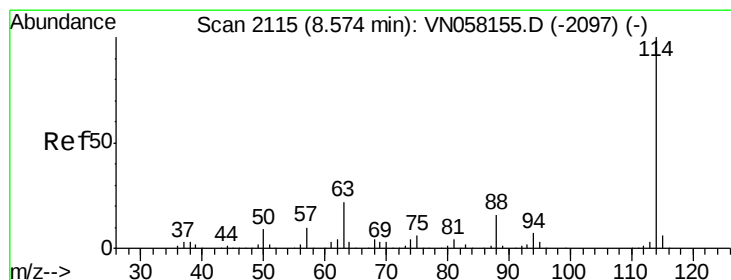
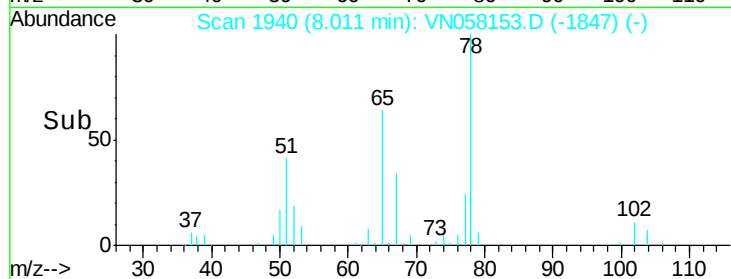
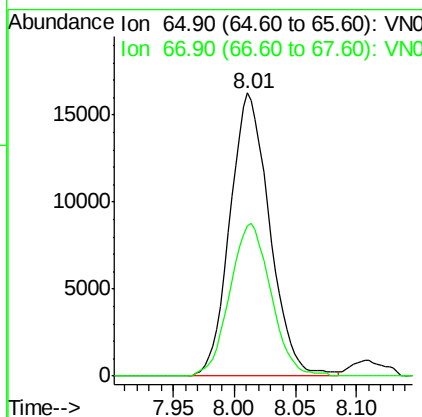
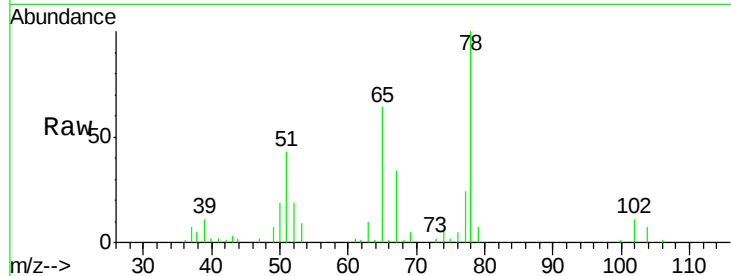
#33
 1,2-Dichloroethane-d4
 Concen: 3.754 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
65	100	36709		
67	55.9	0.0	103.4	

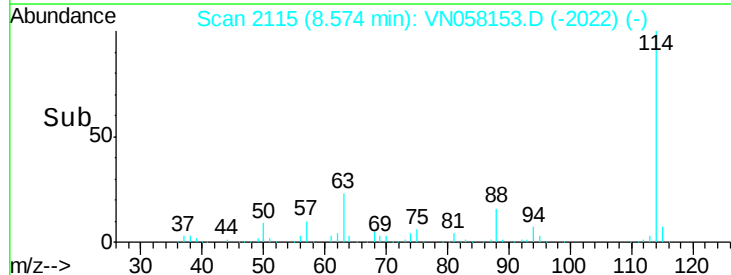
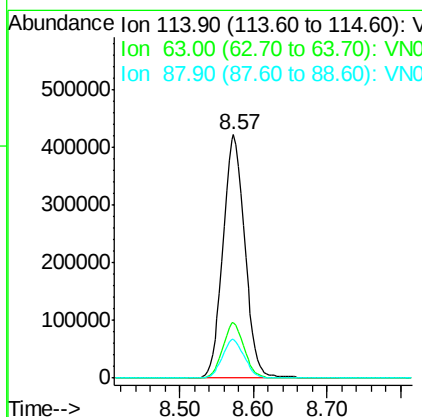
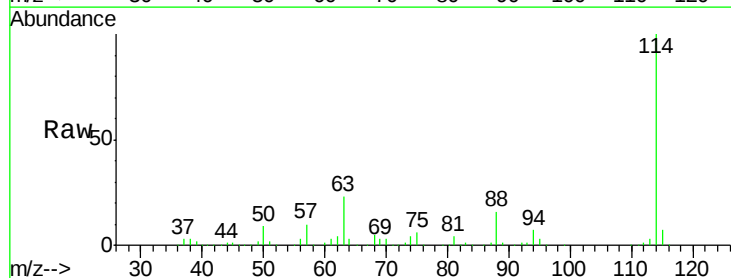
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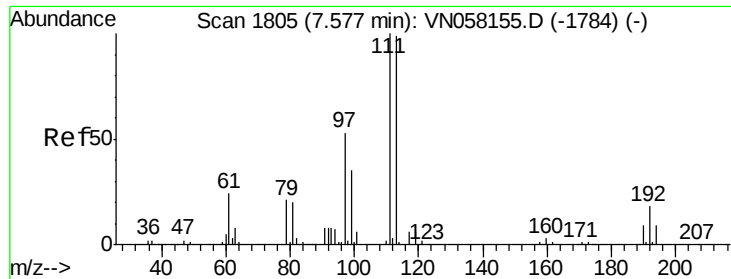
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	870870		
63	22.9	0.0	44.2	
88	15.7	0.0	31.6	





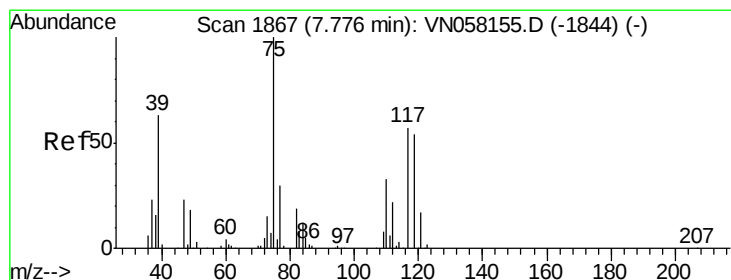
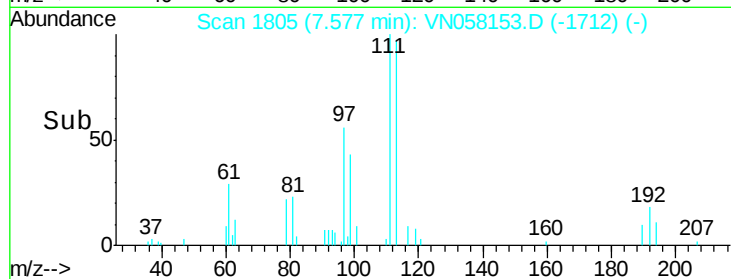
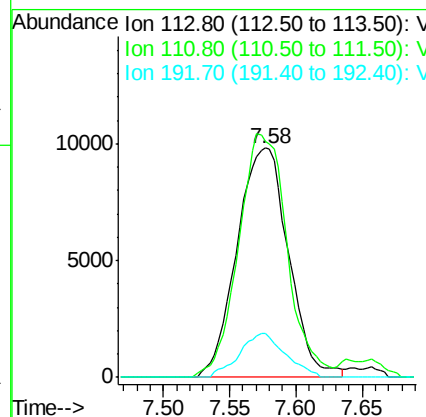
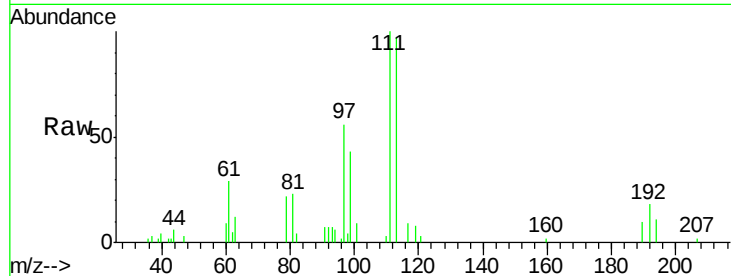
#35
 Dibromofluoromethane
 Concen: 3.531 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
113	100	26552		
111	100.0	81.8	122.6	
192	17.0	14.5	21.7	

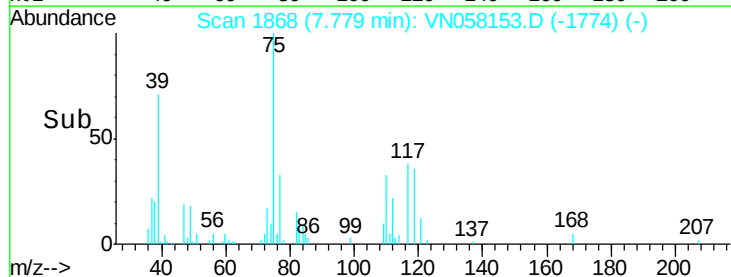
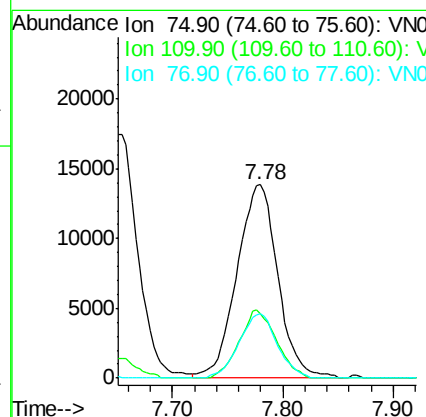
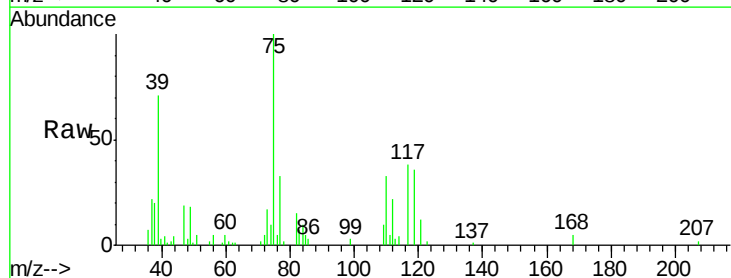
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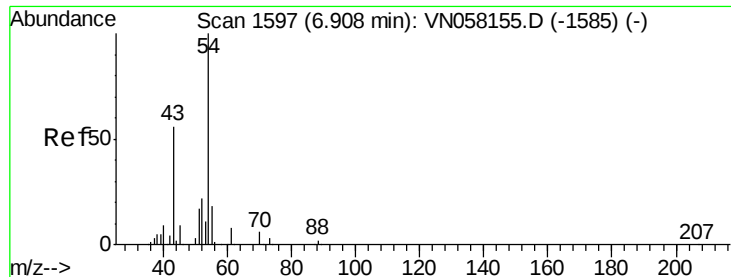
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#36
 1,1-Dichloropropene
 Concen: 3.763 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	35613		
110	31.8	16.6	49.7	
77	31.1	24.3	36.5	





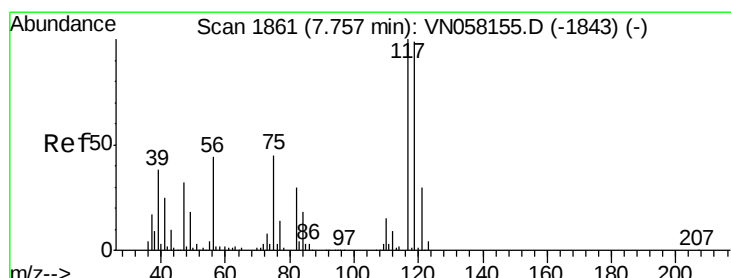
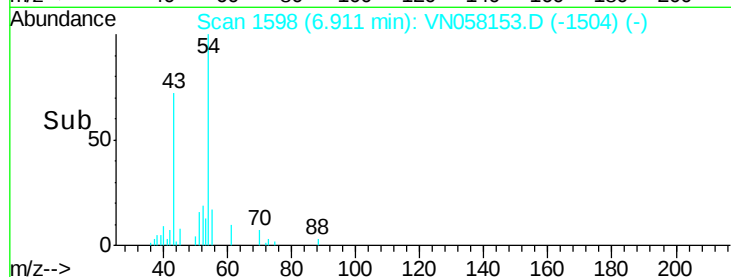
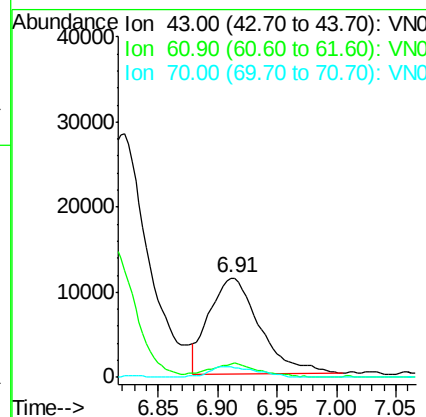
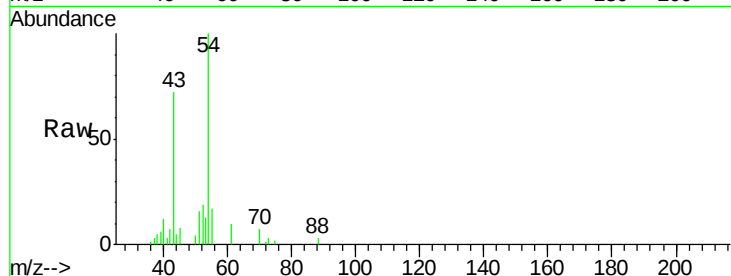
#37
Ethyl Acetate
Concen: 3.386 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.7	16.1
70	10.5	7.6	11.4

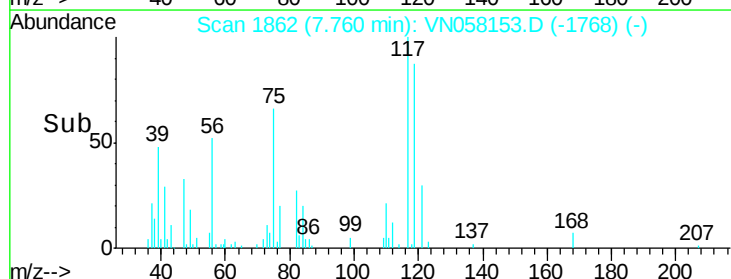
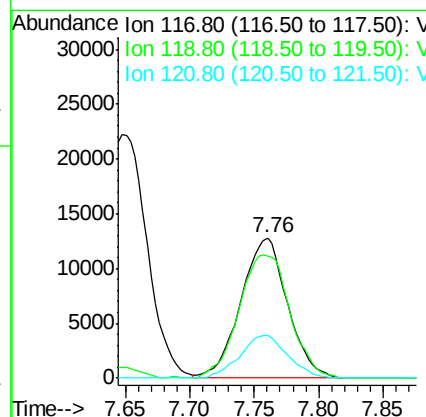
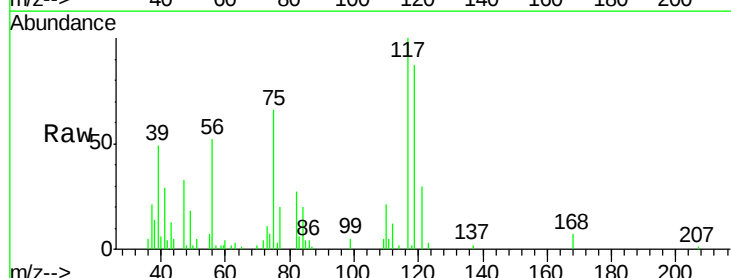
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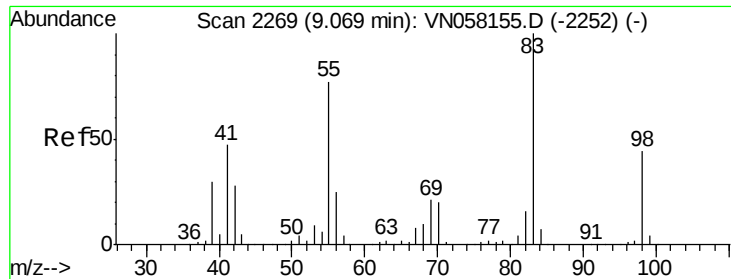
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#38
Carbon Tetrachloride
Concen: 3.721 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	87.4	78.6	117.8
121	30.2	24.1	36.1





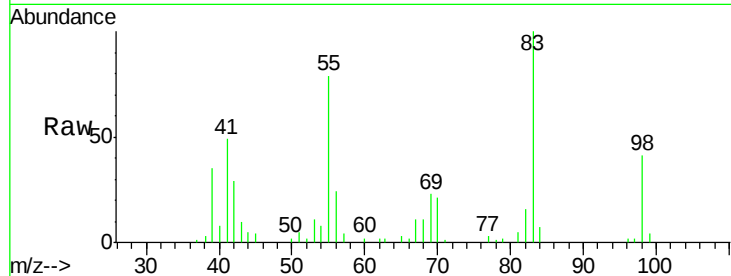
#39
Methvlcvclohexane
Concen: 4.053 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

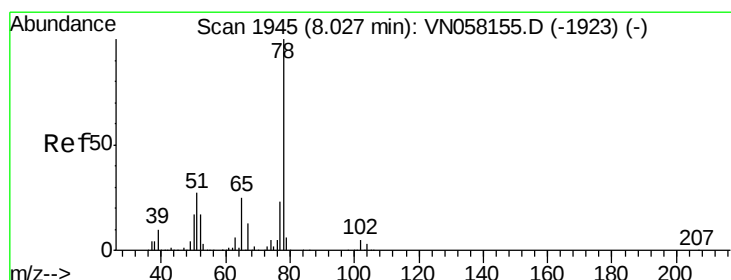
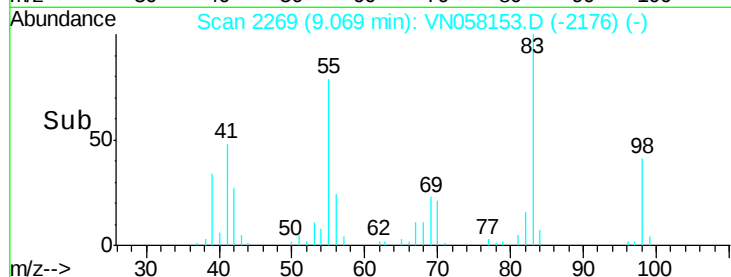
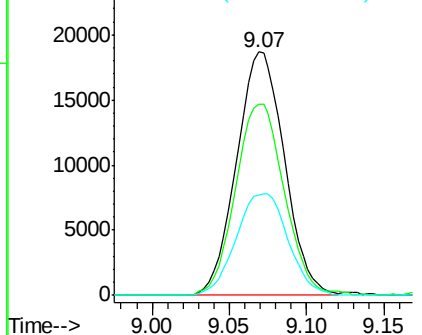
Tot Ion	Ratio	Lower	Upper
83	100		
55	78.6	61.9	92.9
98	41.3	35.4	53.2

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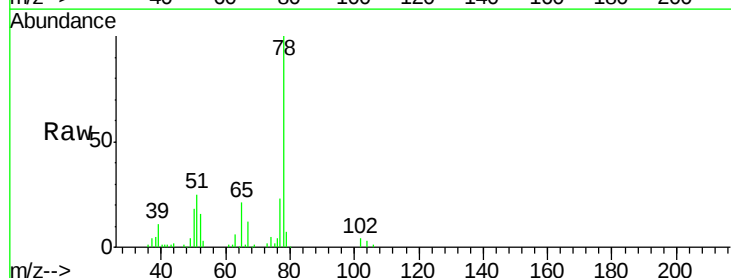


Abundance Ion 83.00 (82.70 to 83.70): VNC
Ion 55.00 (54.70 to 55.70): VNC
Ion 98.00 (97.70 to 98.70): VNC

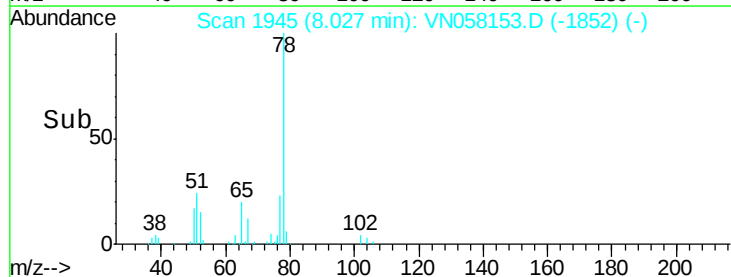
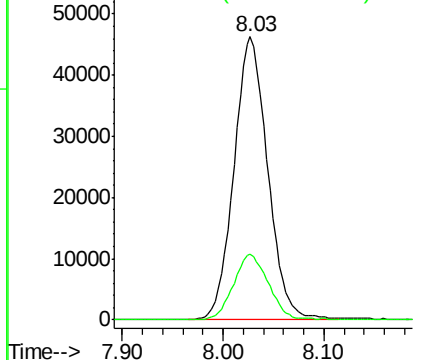


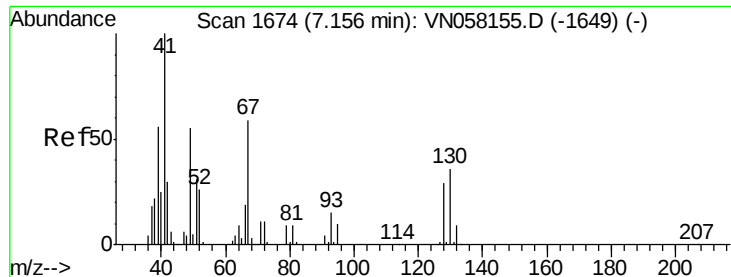
#40
Benzene
Concen: 3.770 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.8	28.2



Abundance Ion 78.00 (77.70 to 78.70): VNC
Ion 77.00 (76.70 to 77.70): VNC





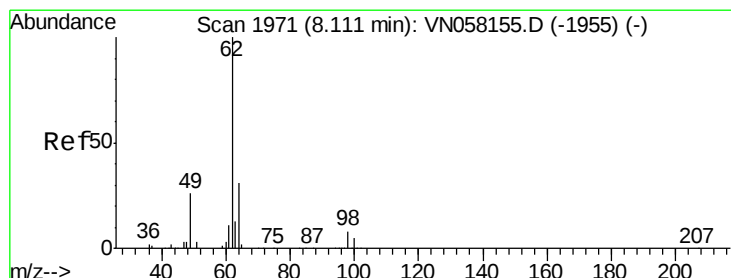
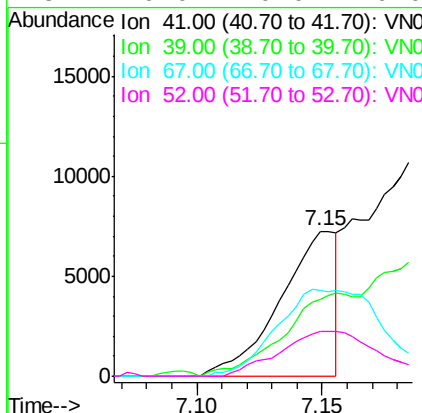
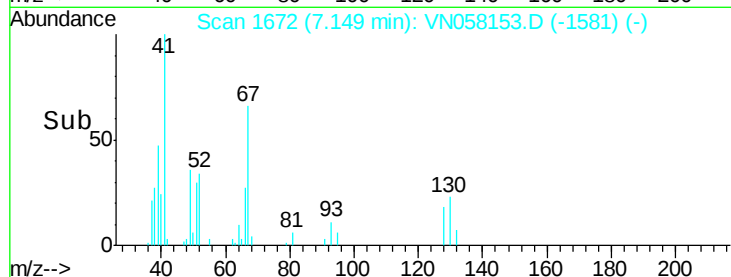
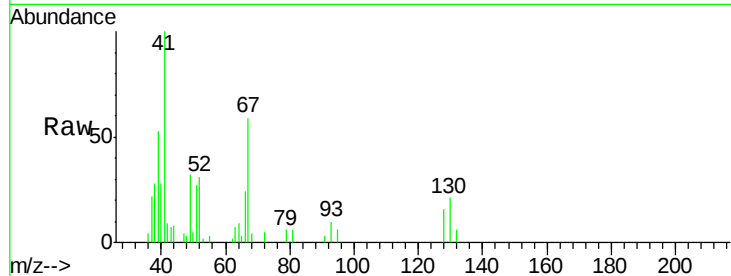
#41
Methacrylonitrile
Concen: 2.582 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. -0.01 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
41	100			
39	144.7	0.0	0.0	#
67	0.0	0.0	0.0	
52	0.0	0.0	0.0	

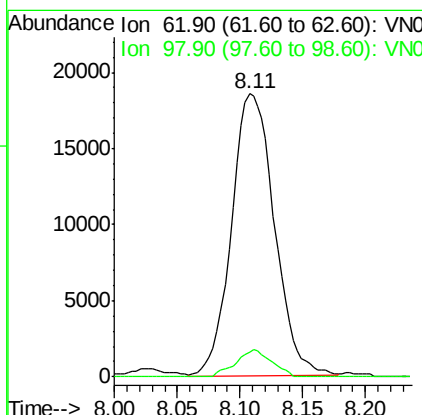
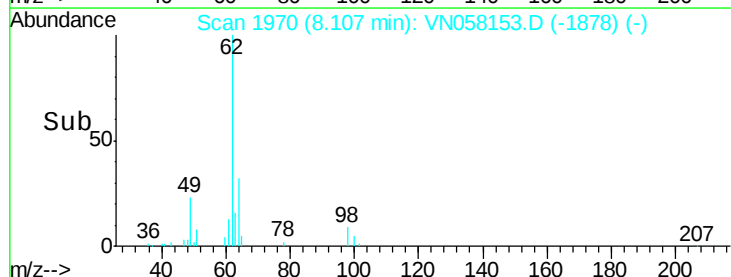
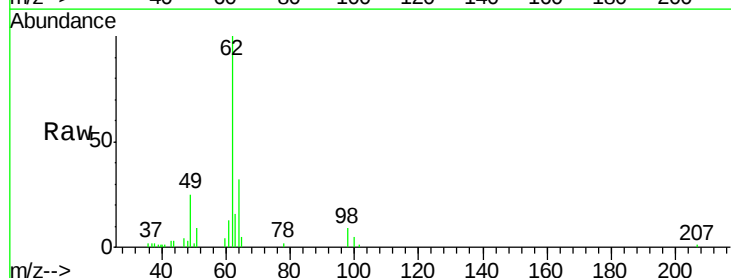
Manual Integrations
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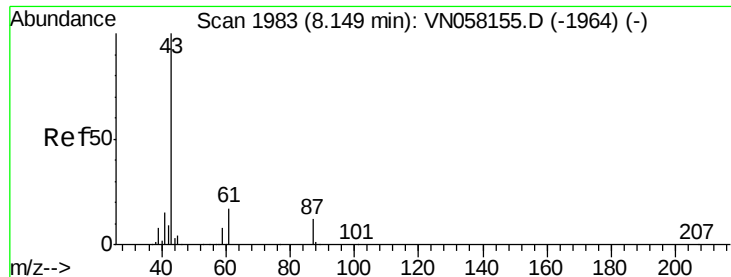
MMDadoda
9/20/2019 1:14:13 PM



#42
1,2-Dichloroethane
Concen: 3.833 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

Tgt Ion	Ratio	Resp	Lower	Upper
62	100			
98	8.0	0.0	15.6	





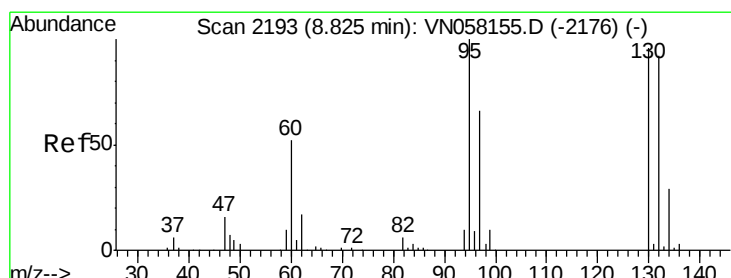
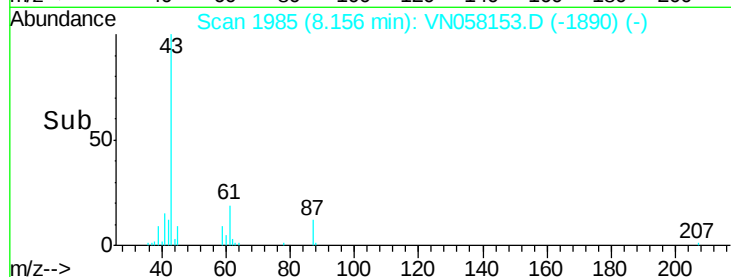
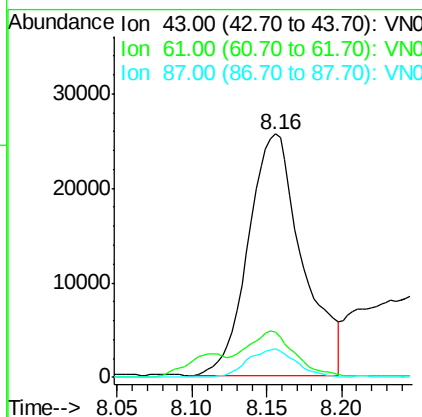
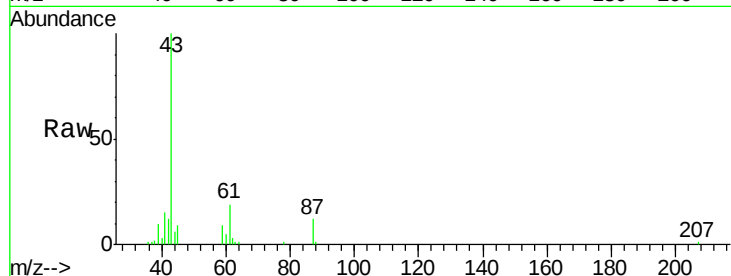
#43
Isopropyl Acetate
Concen: 3.913 ug/l
RT: 8.16 min Scan# 1985
Delta R.T. 0.01 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.1	19.7	29.5#
87	10.4	9.4	14.2

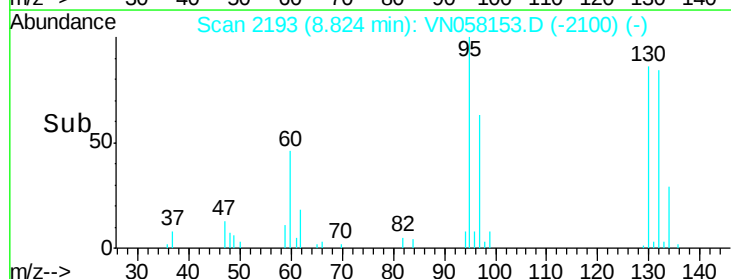
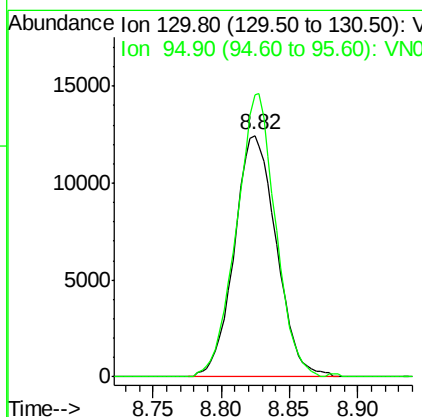
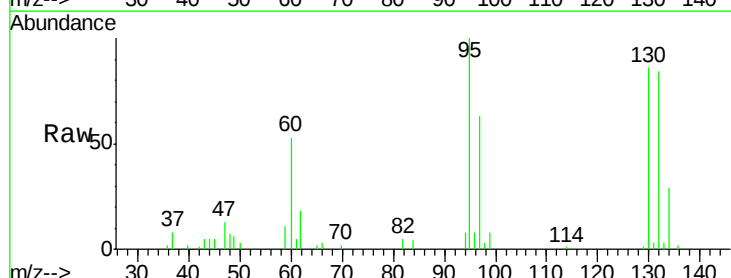
Manual Integrations
APPROVED

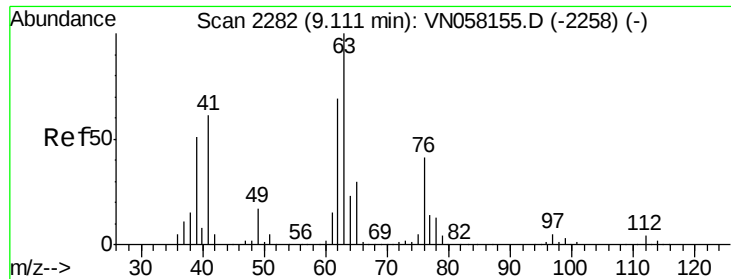
MMDadoda
9/20/2019 1:14:13 PM



#44
Trichloroethene
Concen: 3.811 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

Tgt Ion	Ratio	Lower	Upper
130	100		
95	116.5	0.0	207.8





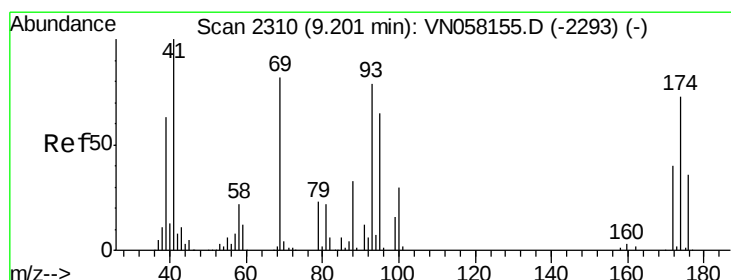
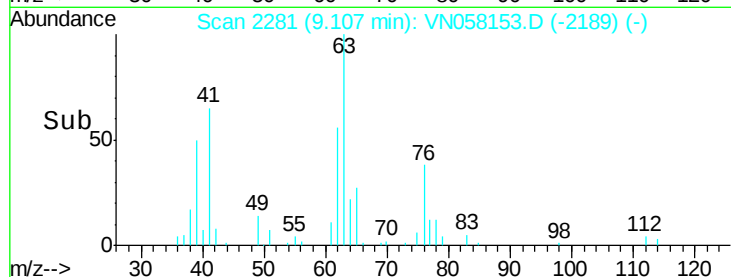
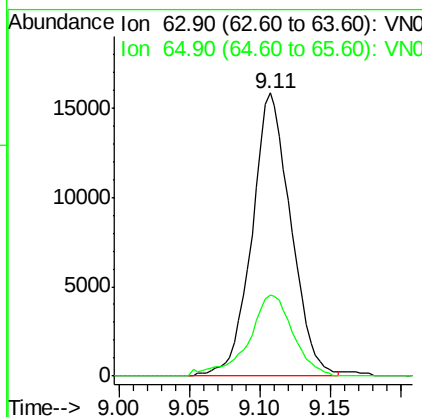
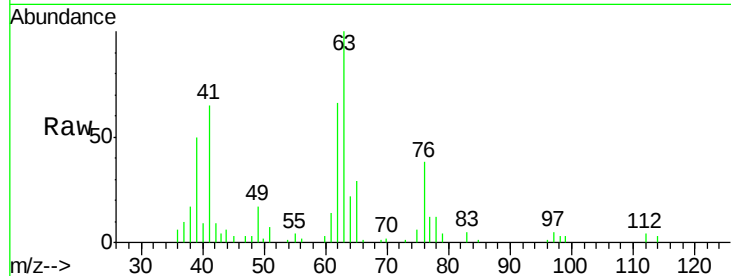
#45
 1,2-Dichloropropane
 Concen: 3.668 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 30530
 Ion Ratio Lower Upper
 63 100
 65 28.5 23.8 35.6

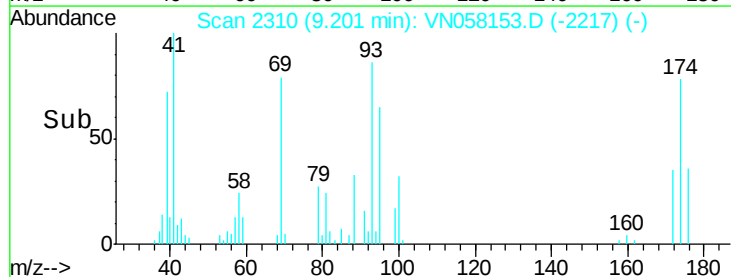
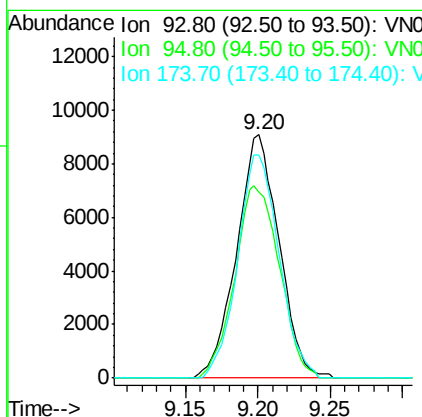
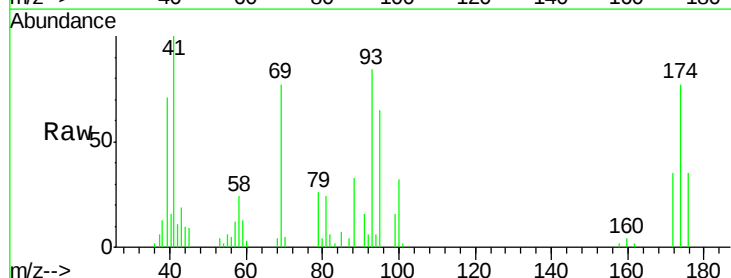
Manual Integrations
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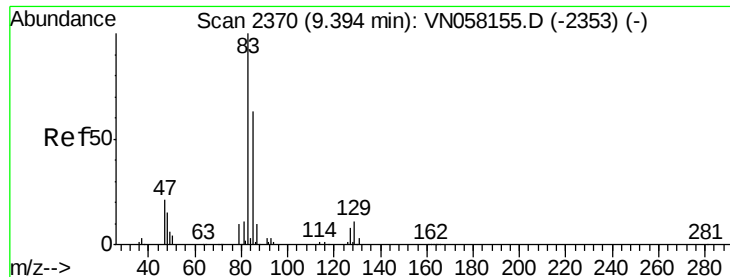
MMDadoda
 9/20/2019 1:14:13 PM



#46
 Dibromomethane
 Concen: 3.672 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion: 93 Resp: 18447
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.8 100.2
 174 89.8 73.8 110.8





#47

Bromodichloromethane

Concen: 3.444 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058153.D

Acq: 18 Sep 2019 9:43

Instrument :

MSVOA_N

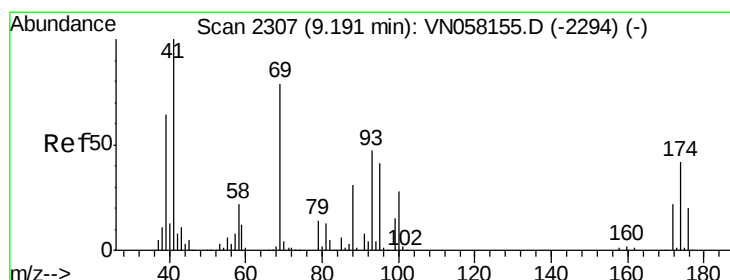
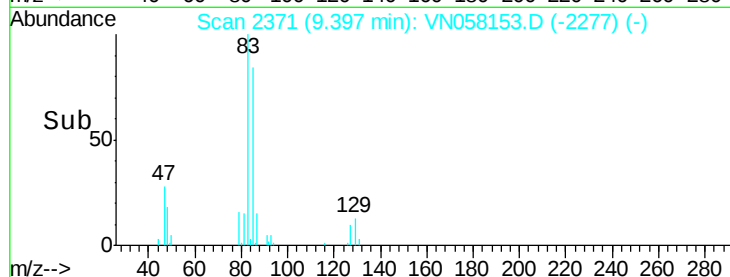
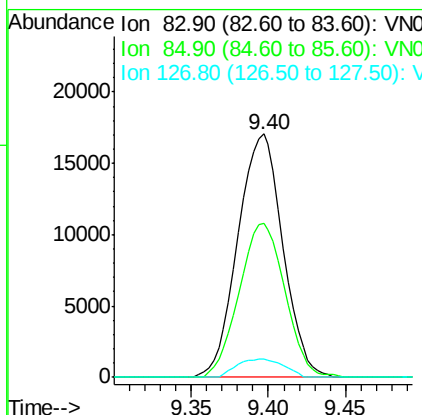
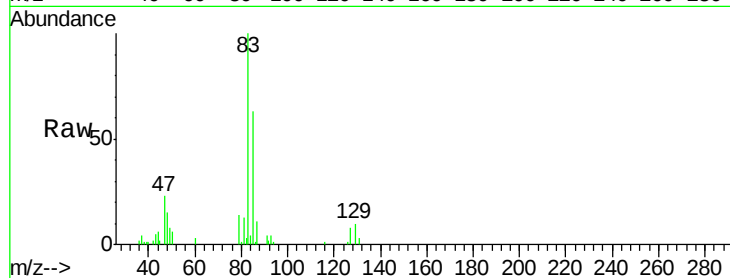
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	34454
Ion Ratio	Lower	Upper	
83	100		
85	63.1	50.1	75.1
127	7.6	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 3.282 ug/l

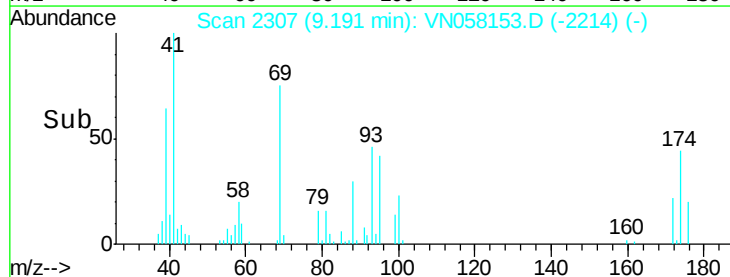
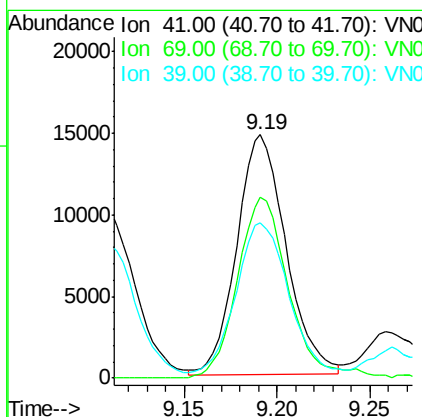
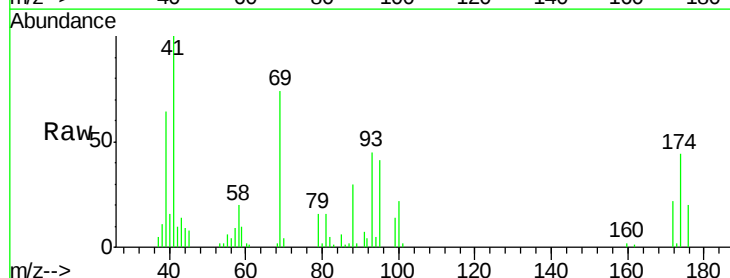
RT: 9.19 min Scan# 2307

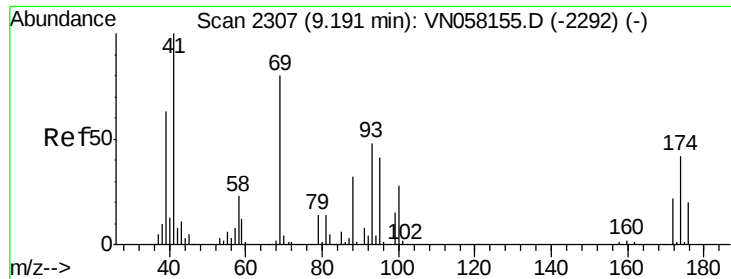
Delta R.T. -0.00 min

Lab File: VN058153.D

Acq: 18 Sep 2019 9:43

Tgt Ion:	41	Resp:	27322
Ion Ratio	Lower	Upper	
41	100		
69	78.2	62.5	93.7
39	71.7	52.3	78.5





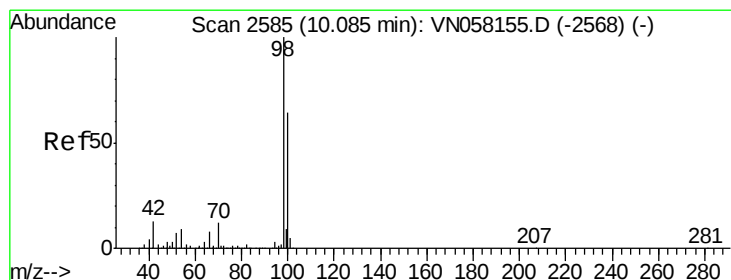
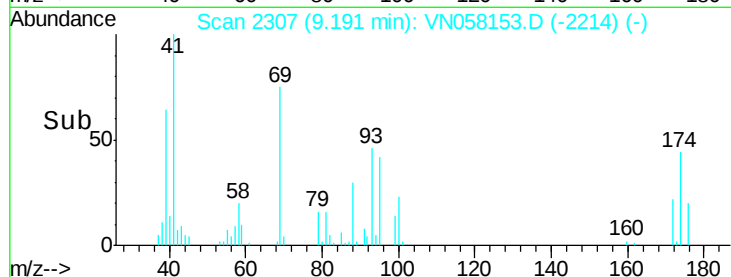
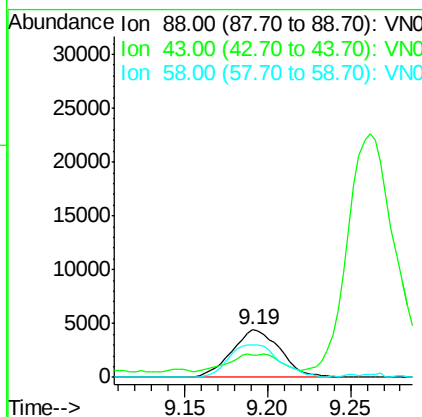
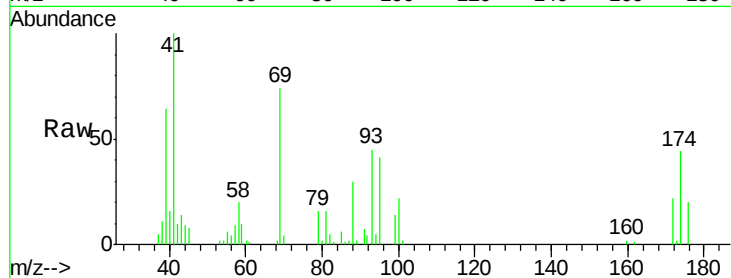
#49
1,4-Dioxane
Concen: 63.413 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.9	27.8	41.8
58	72.0	55.0	82.4

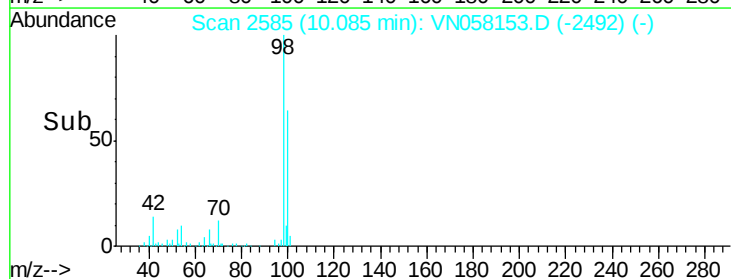
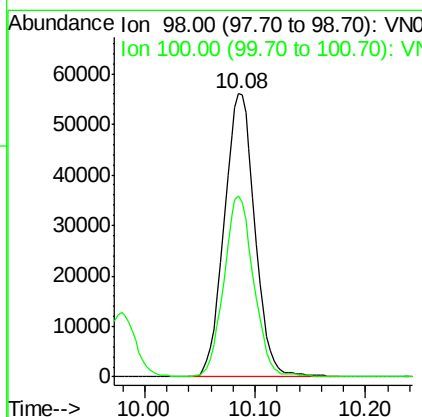
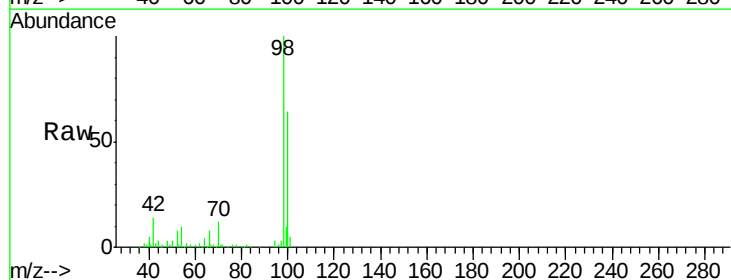
Manual Integrations
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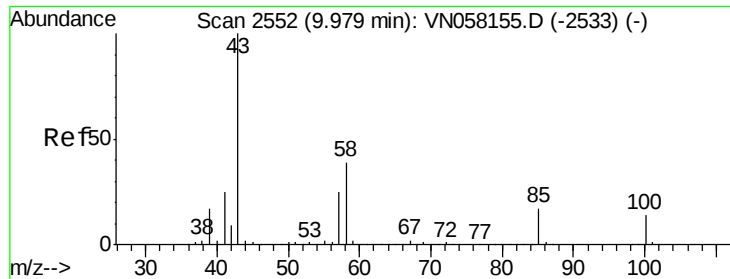
MMDadoda
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#50
Toluene-d8
Concen: 3.708 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.2	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 17.573 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN058153.D

Acq: 18 Sep 2019 9:43

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 169691

Ion Ratio Lower Upper

43 100

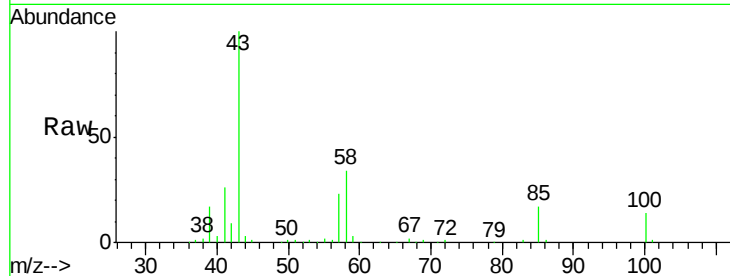
58 35.7 30.2 45.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

100000

80000

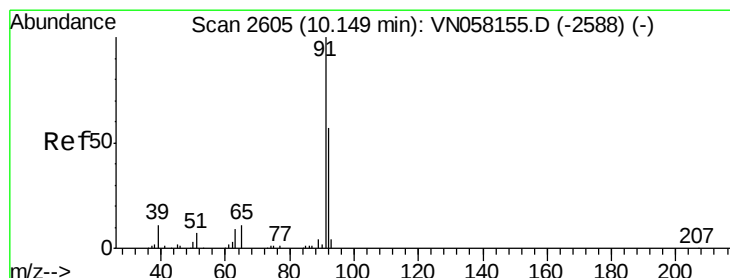
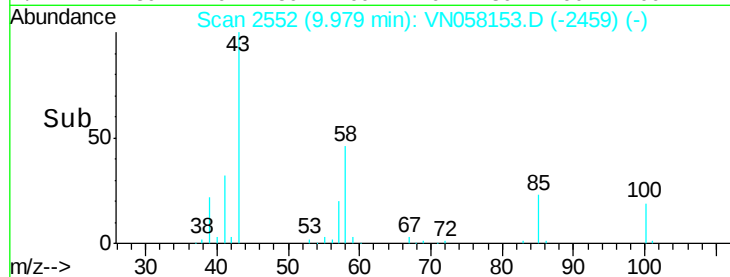
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 3.610 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058153.D

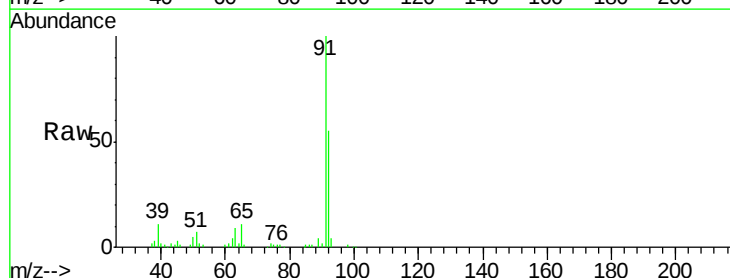
Acq: 18 Sep 2019 9:43

Tgt Ion: 92 Resp: 64713

Ion Ratio Lower Upper

92 100

91 179.2 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.15

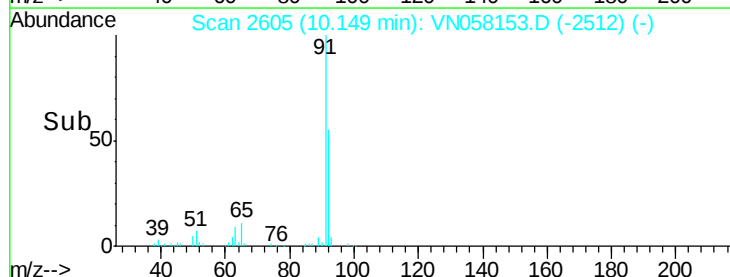
60000

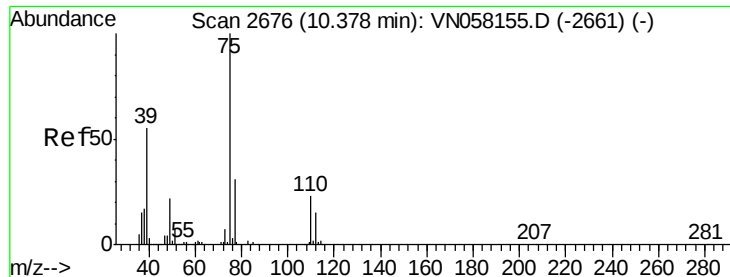
40000

20000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 3.073 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN058153.D

Acq: 18 Sep 2019 9:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 32305

Ion Ratio Lower Upper

75 100

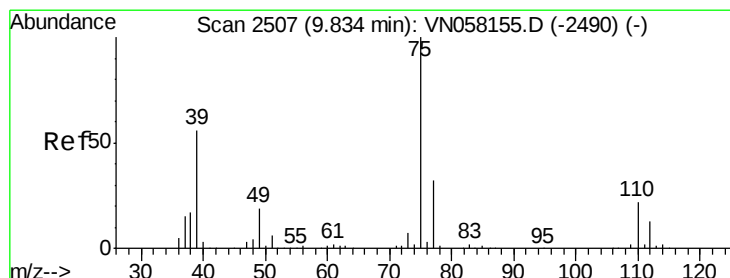
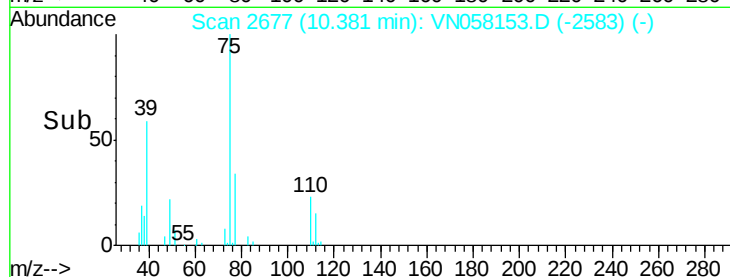
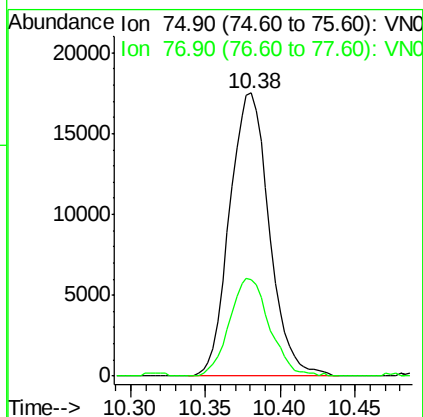
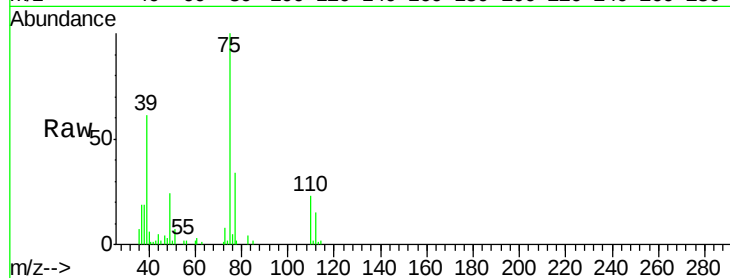
77 34.1 24.9 37.3

Manual Integrations

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9/20/2019 1:14:13 PM



#54

cis-1,3-Dichloropropene

Concen: 3.386 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN058153.D

Acq: 18 Sep 2019 9:43

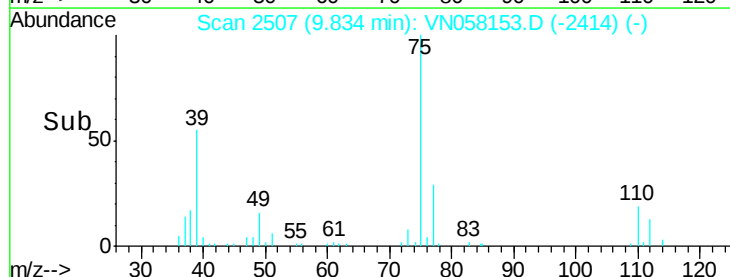
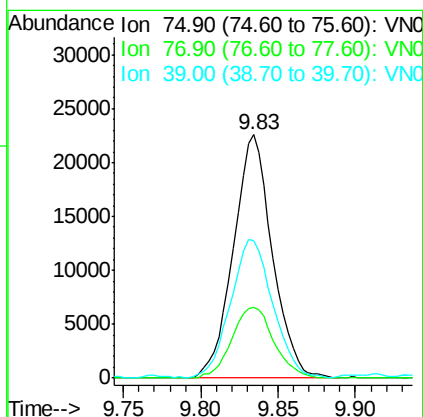
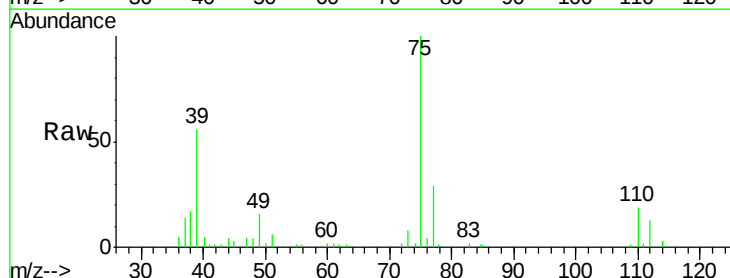
Tgt Ion: 75 Resp: 39325

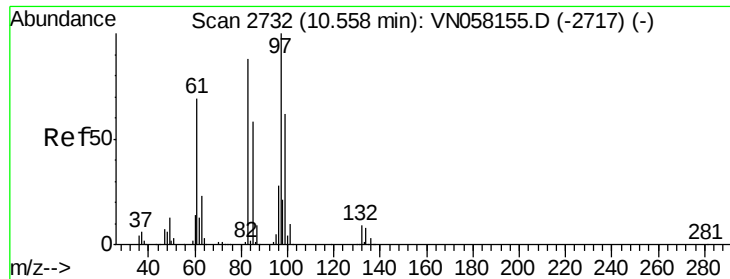
Ion Ratio Lower Upper

75 100

77 28.8 25.4 38.0

39 56.4 45.0 67.6





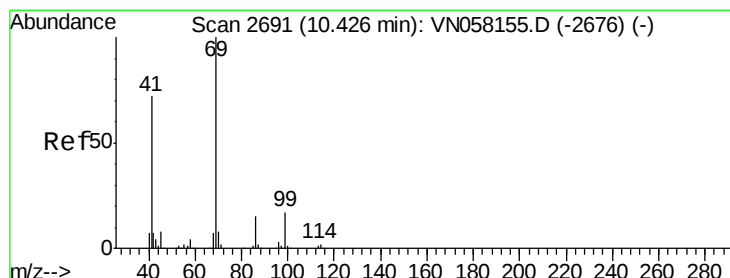
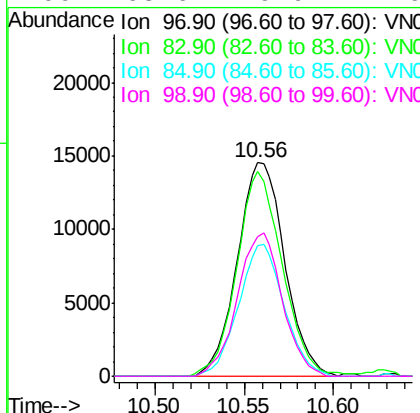
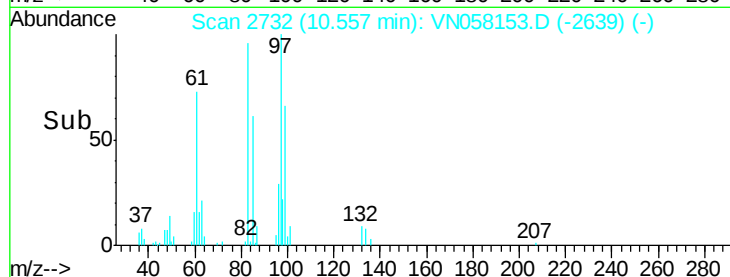
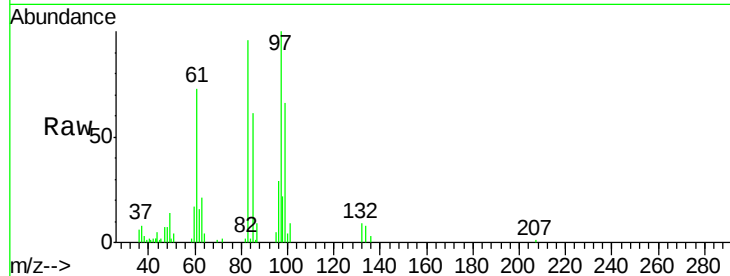
#55
 1,1,2-Trichloroethane
 Concen: 3.537 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	26895
Ion	Ratio	Lower	Upper
97	100		
83	95.7	70.4	105.6
85	61.1	46.8	70.2
99	65.6	49.9	74.9

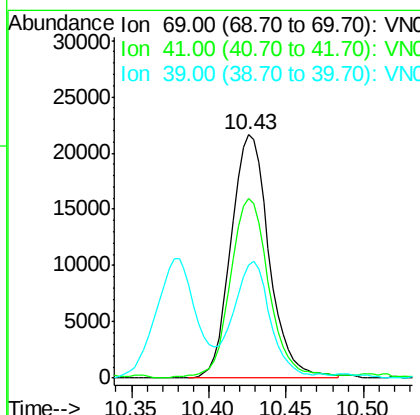
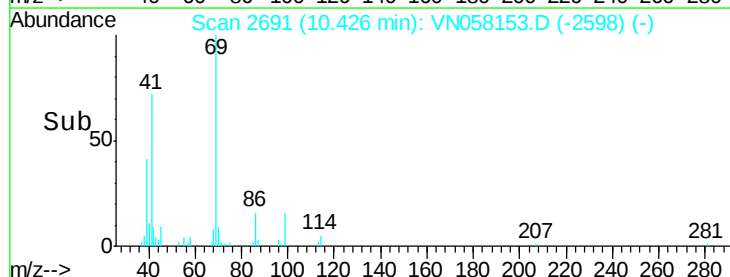
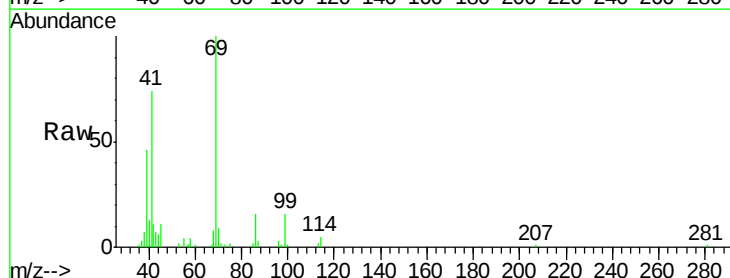
Manual Integrations
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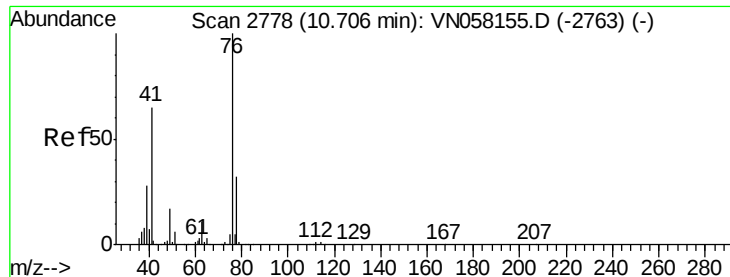
MMDadoda
 9/20/2019 1:14:13 PM



#56
 Ethyl methacrylate
 Concen: 3.244 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion:	69	Resp:	36958
Ion	Ratio	Lower	Upper
69	100		
41	75.6	57.5	86.3
39	47.7	36.1	54.1





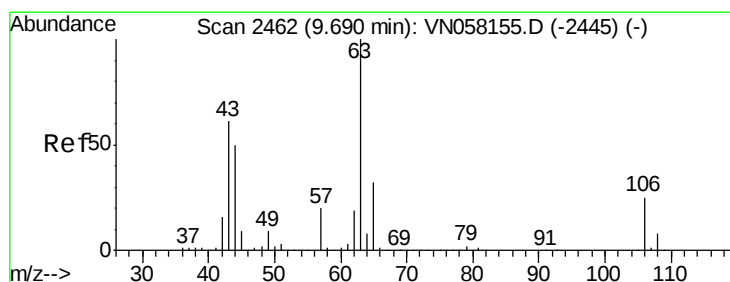
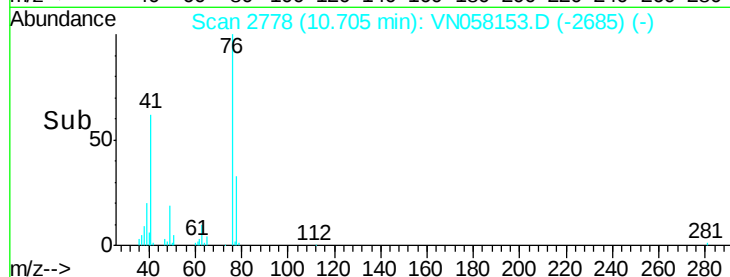
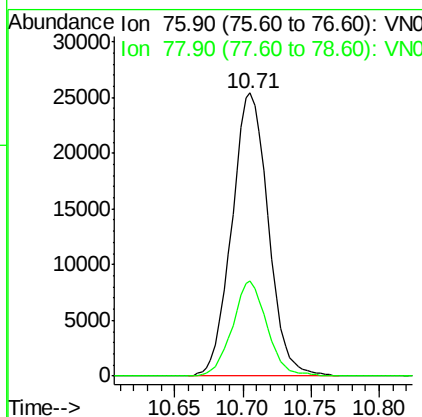
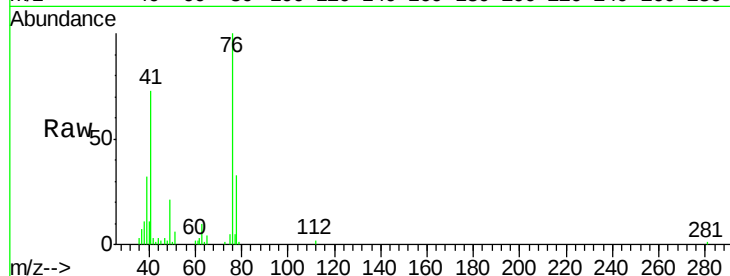
#57
 1,3-Dichloropropane
 Concen: 3.593 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.4	38.0

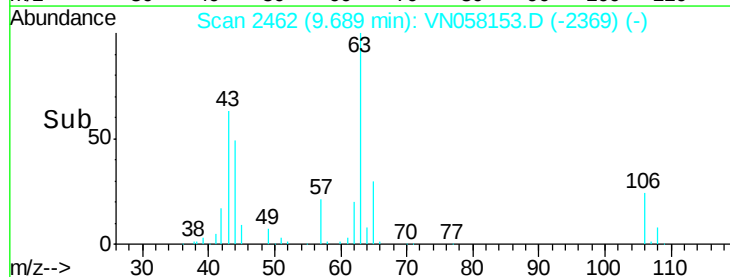
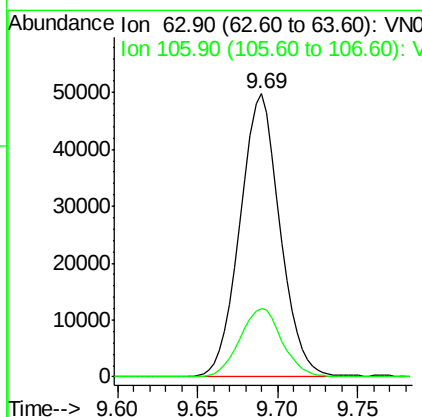
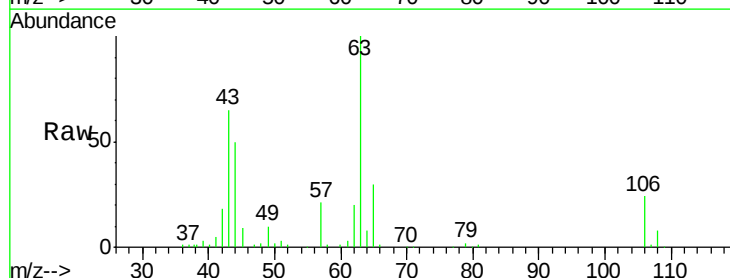
Manual Integrations
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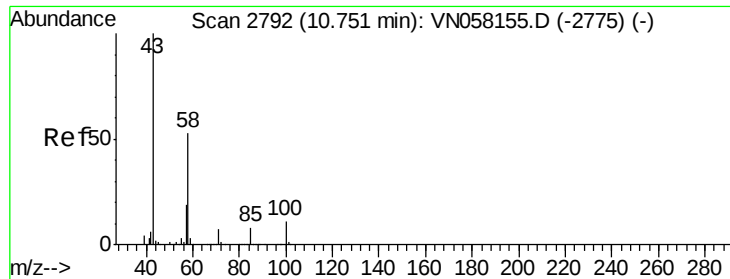
MMDadoda
 9/20/2019 1:14:13 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 15.992 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.5	19.9	29.9





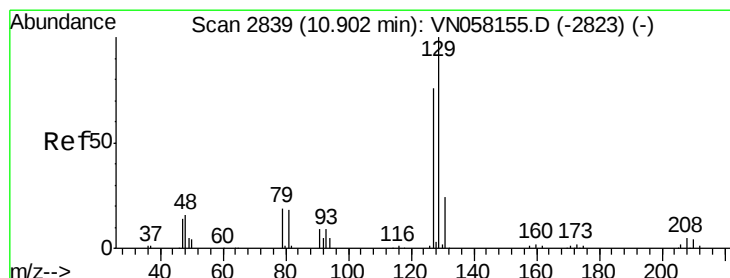
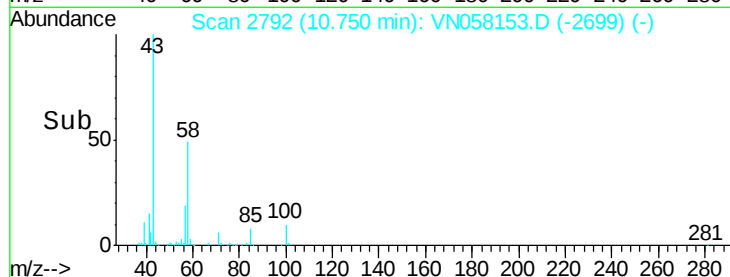
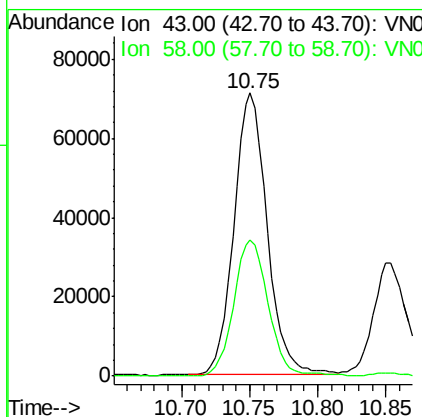
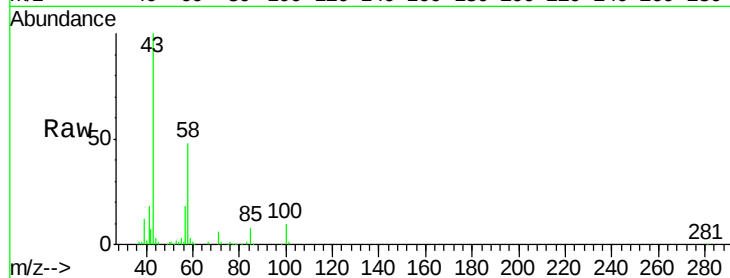
#59
2-Hexanone
Concen: 16.627 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 120039
Ion Ratio Lower Upper
43 100
58 50.4 26.0 78.0

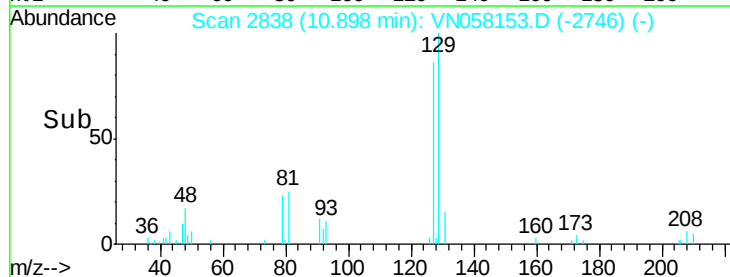
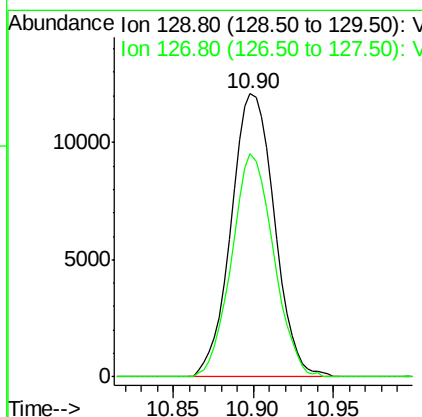
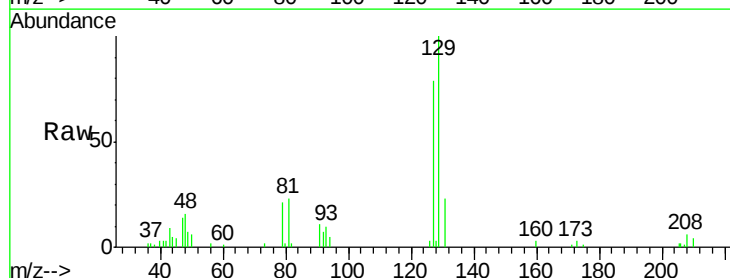
Manual Integrations
APPROVED

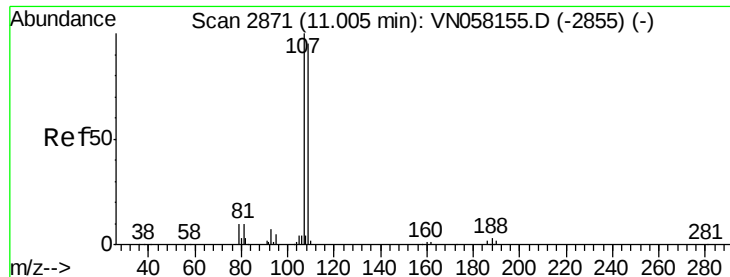
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#60
Dibromochloromethane
Concen: 3.165 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

Tgt Ion: 129 Resp: 22316
Ion Ratio Lower Upper
129 100
127 76.2 38.7 116.1





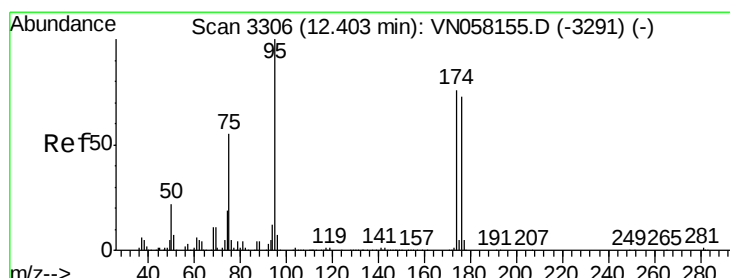
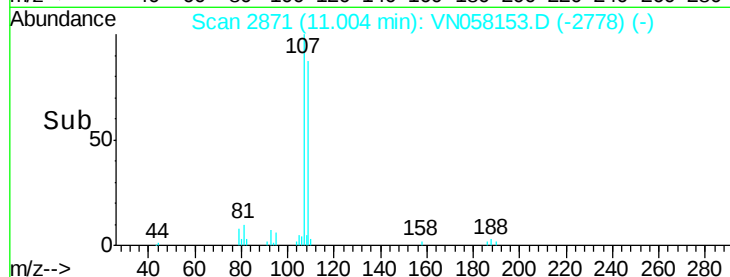
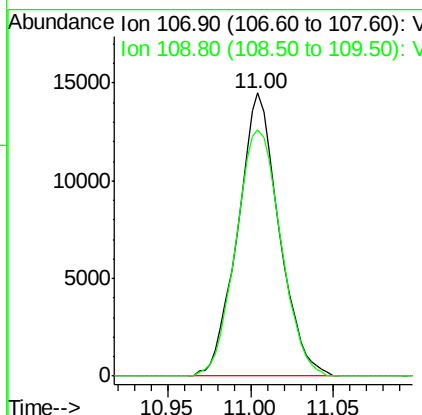
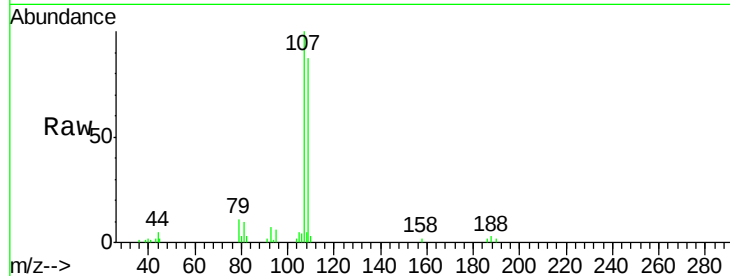
#61
 1,2-Dibromoethane
 Concen: 3.494 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.4	113.2

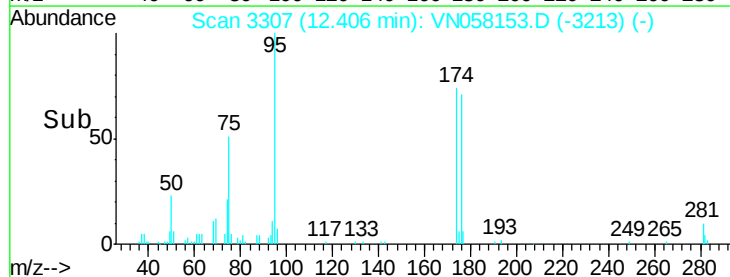
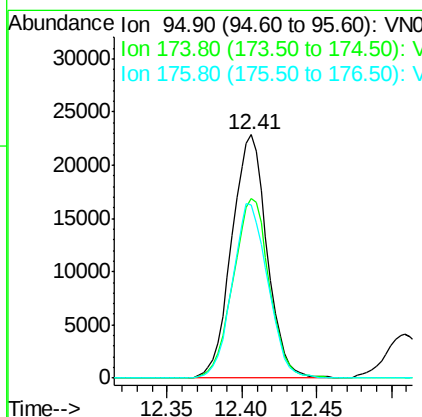
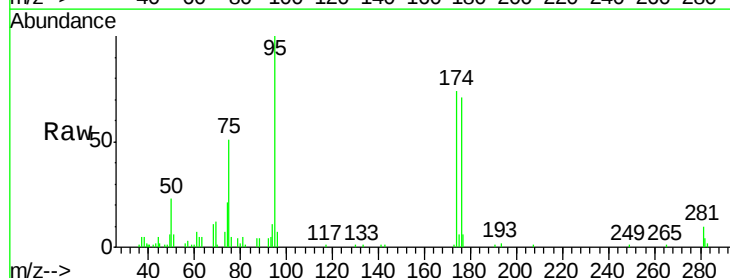
Manual Integrations
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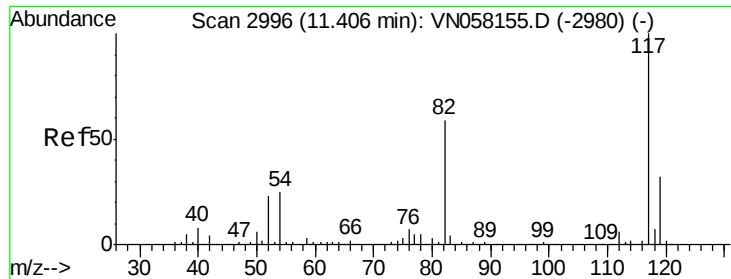
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 9/20/2019 1:14:13 PM



#62
 4-Bromofluorobenzene
 Concen: 3.361 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.6	0.0	152.2
176	72.1	0.0	148.0





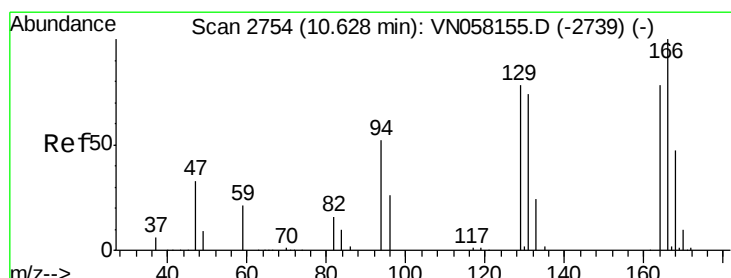
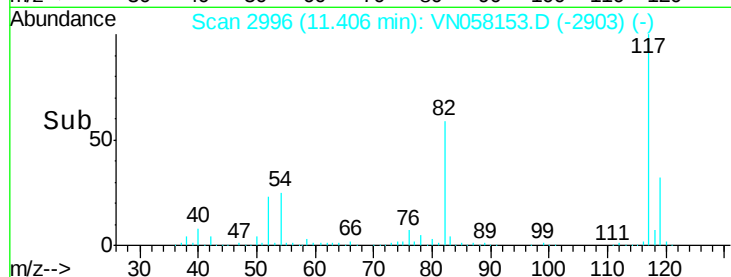
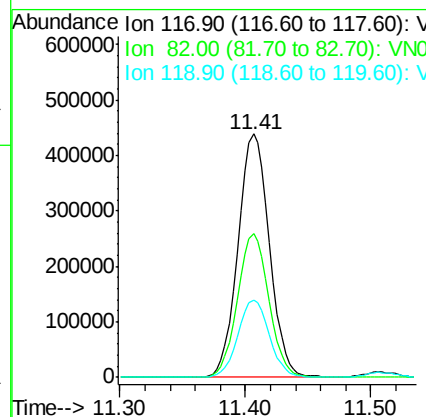
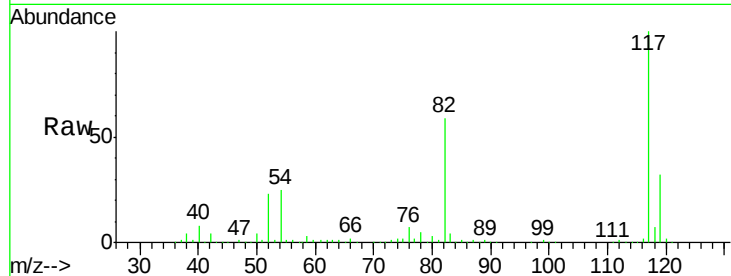
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.8	46.9	70.3
119	31.9	25.3	37.9

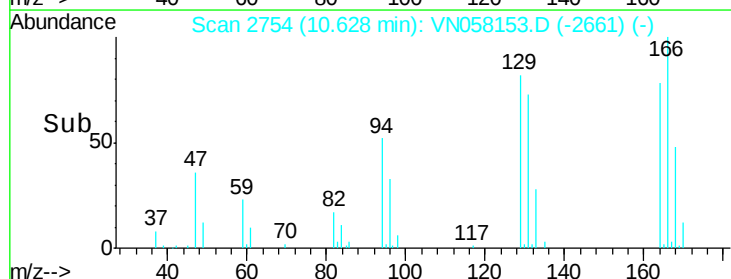
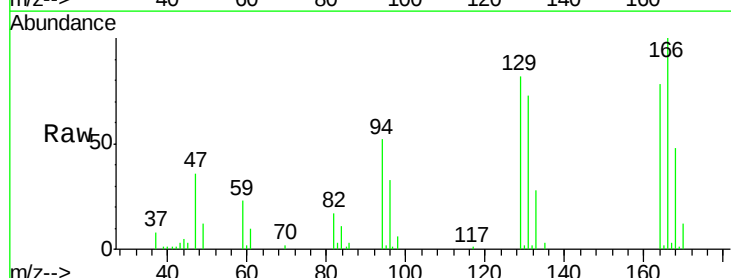
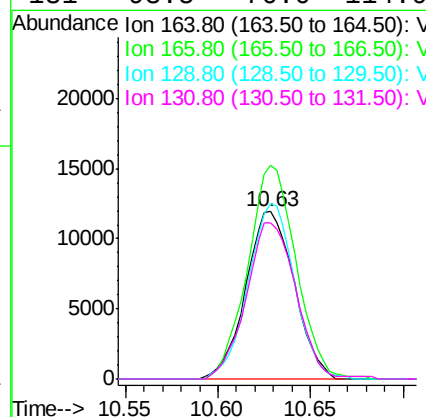
Manual Integrations
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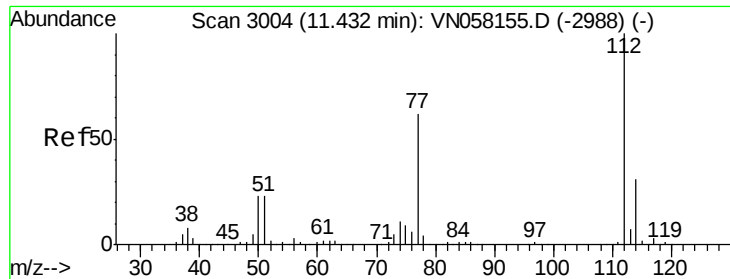
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9/20/2019 1:14:13 PM



#64
Tetrachloroethene
Concen: 4.068 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.5	102.2	153.4
129	104.3	79.6	119.4
131	93.5	76.0	114.0





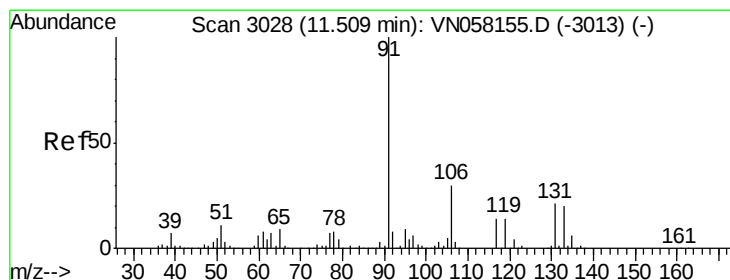
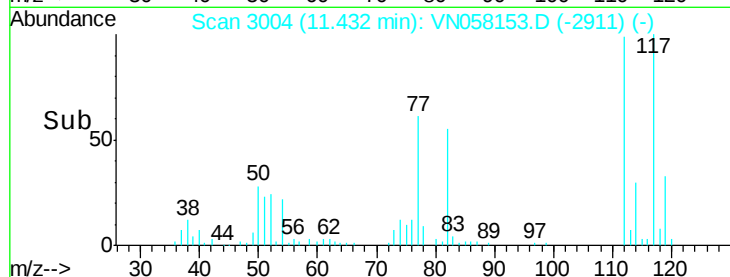
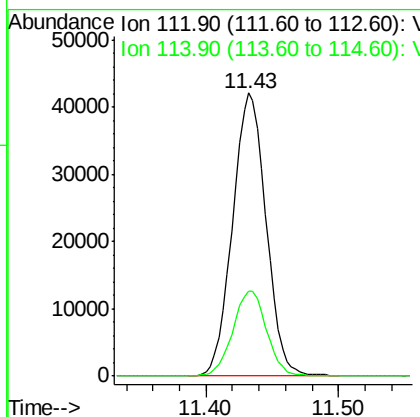
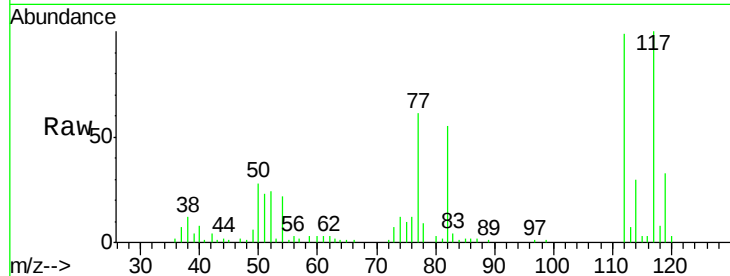
#65
Chlorobenzene
Concen: 3.925 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 73699
Ion Ratio Lower Upper
112 100
114 30.0 25.1 37.7

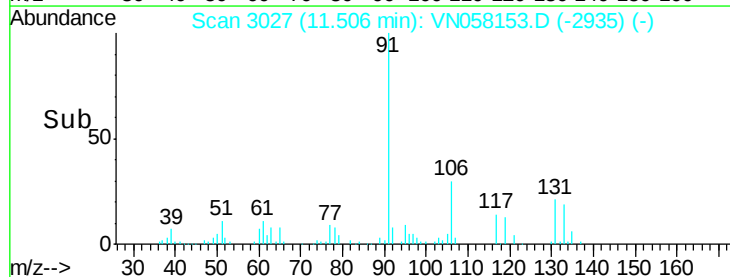
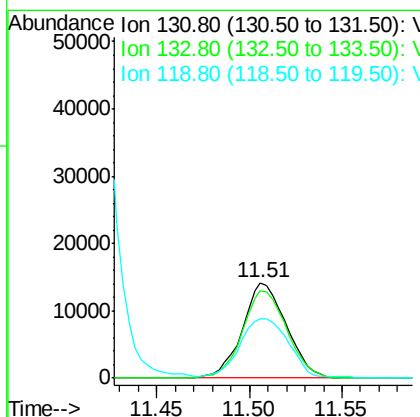
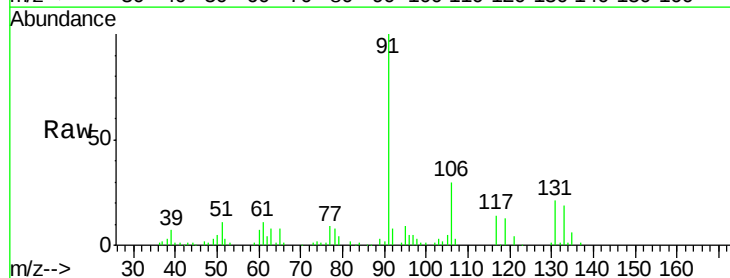
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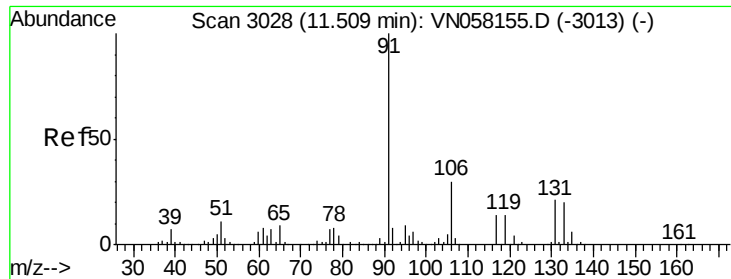
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#66
1,1,1,2-Tetrachloroethane
Concen: 3.568 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

Tgt Ion:131 Resp: 23307
Ion Ratio Lower Upper
131 100
133 93.4 47.8 143.3
119 67.2 33.1 99.3





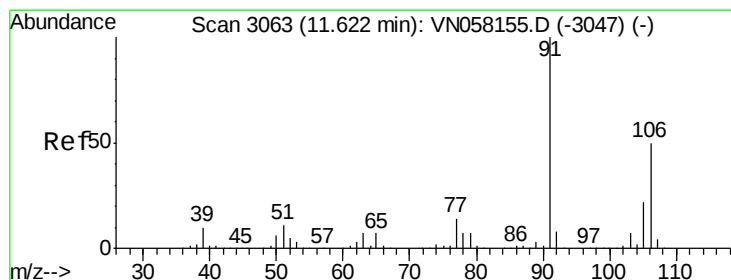
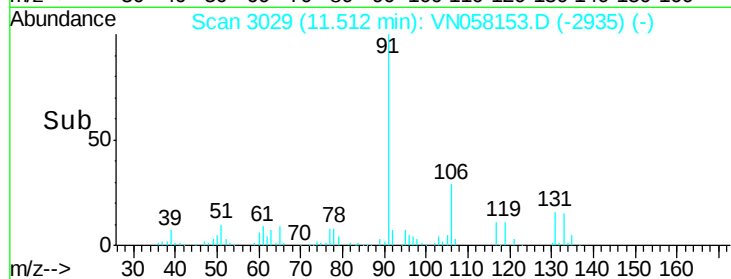
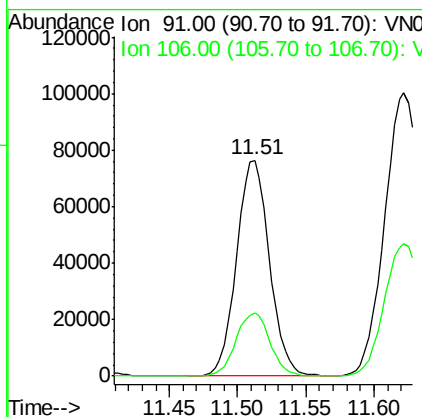
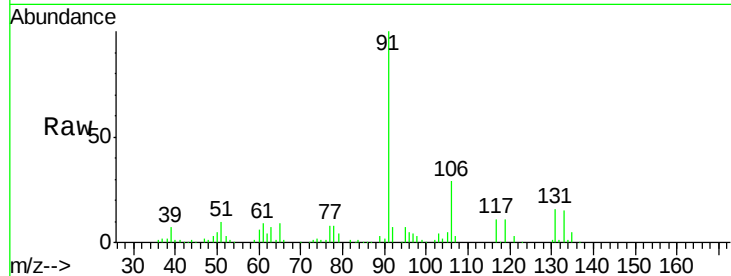
#67
Ethyl Benzene
Concen: 3.892 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 127948
Ion Ratio Lower Upper
91 100
106 29.1 24.0 36.0

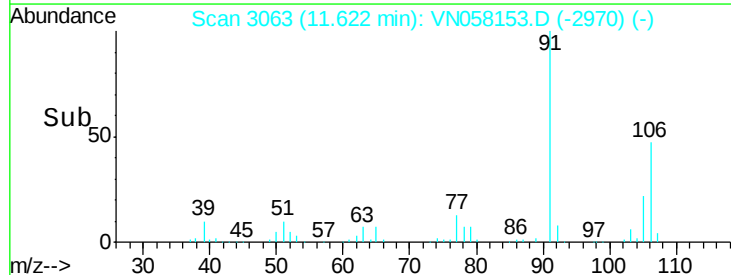
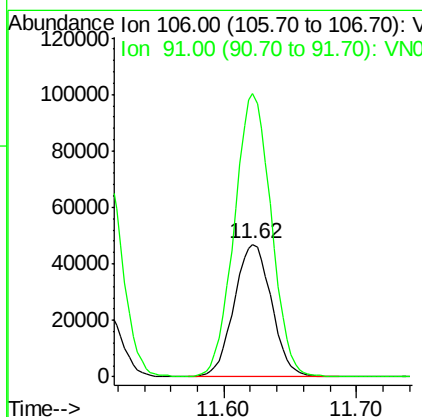
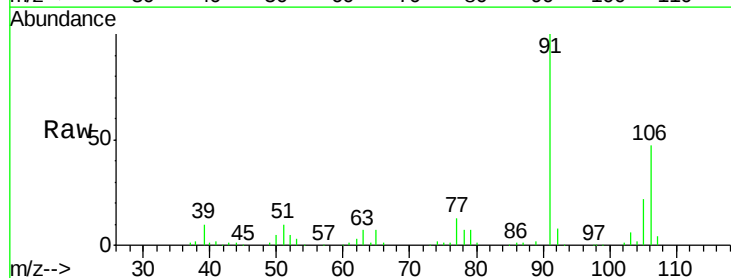
Manual Integrations
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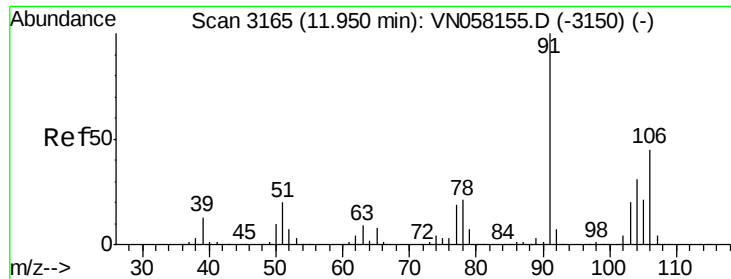
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9/20/2019 1:14:13 PM



#68
m/p-Xylenes
Concen: 7.652 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

Tgt Ion: 106 Resp: 92101
Ion Ratio Lower Upper
106 100
91 209.2 163.6 245.4





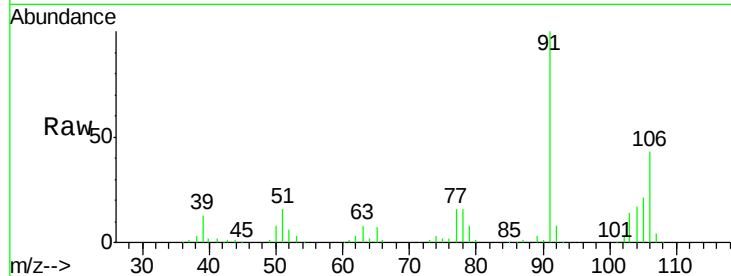
#69
o-Xylene
Concen: 3.669 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

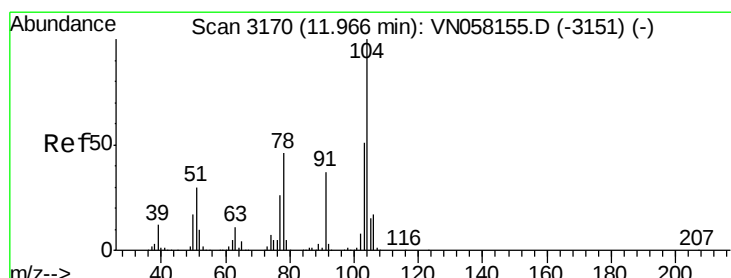
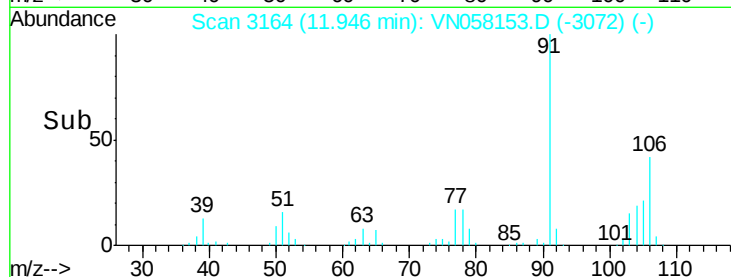
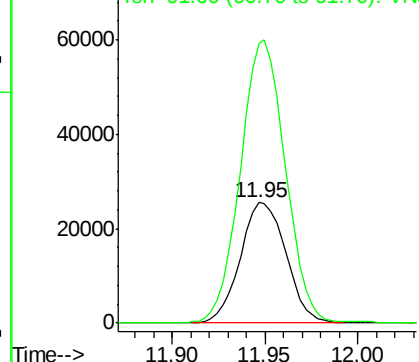
Tot Ion:106 Resp: 43768
Ion Ratio Lower Upper
106 100
91 230.5 111.8 335.3

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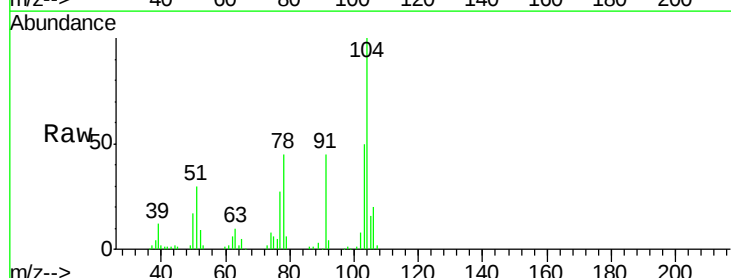


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

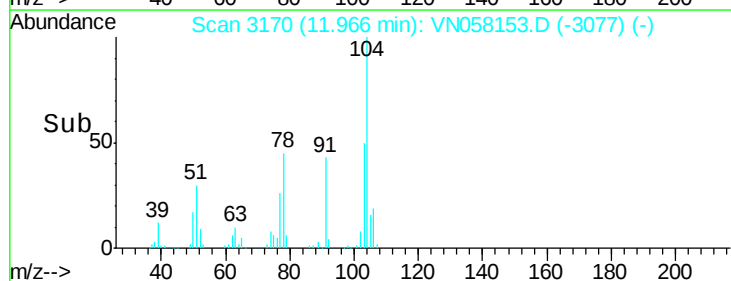
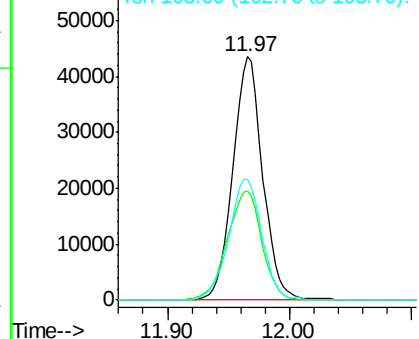


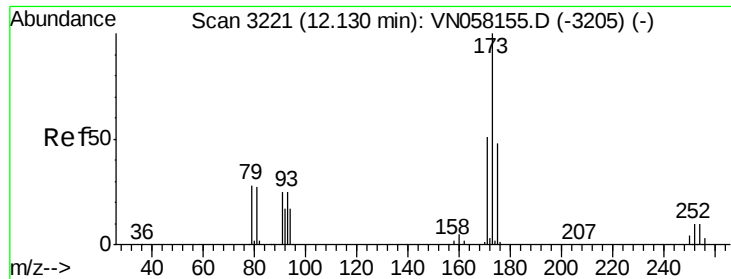
#70
Styrene
Concen: 3.630 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

Tgt Ion:104 Resp: 74517
Ion Ratio Lower Upper
104 100
78 52.0 41.8 62.8
103 55.0 44.2 66.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





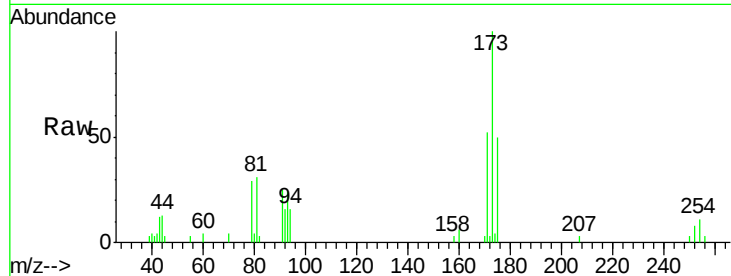
#71
Bromoform
Concen: 3.186 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

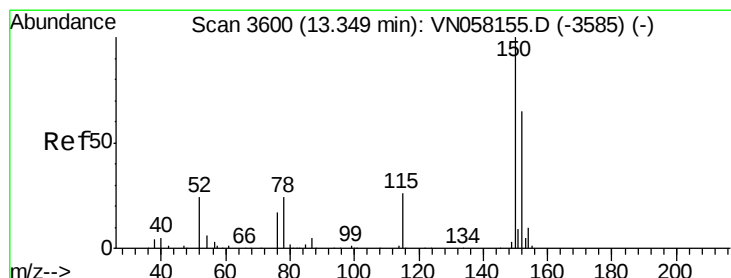
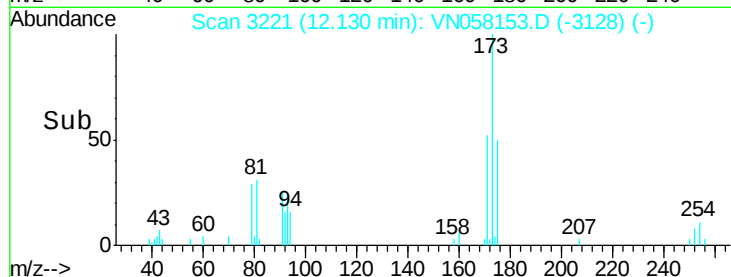
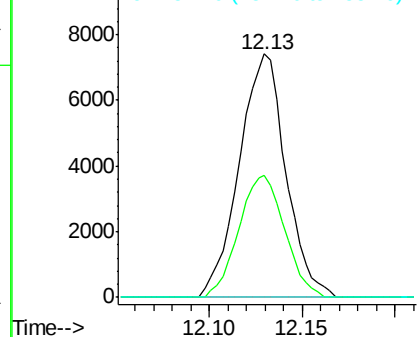
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.2	72.6
254	0.0	0.1	0.1#

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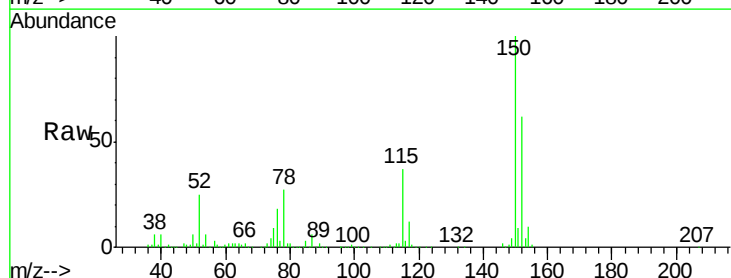


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

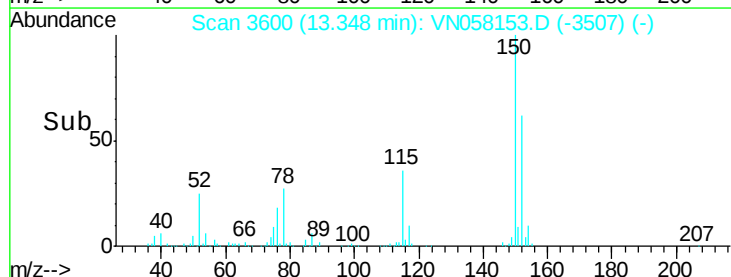
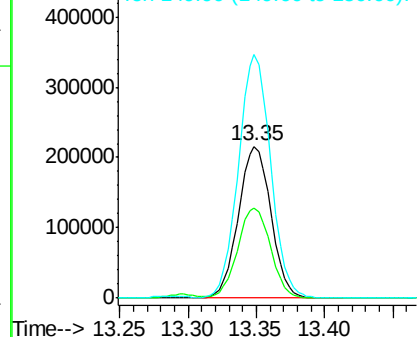


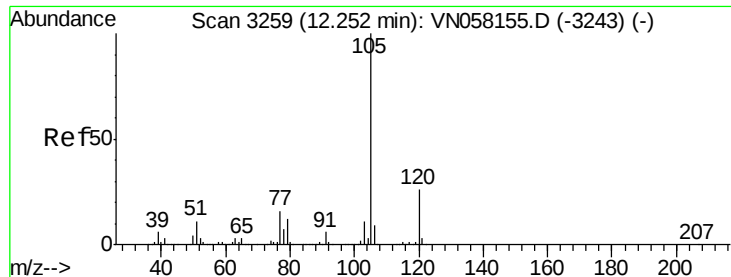
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.2	30.1	90.3
150	158.4	0.0	346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





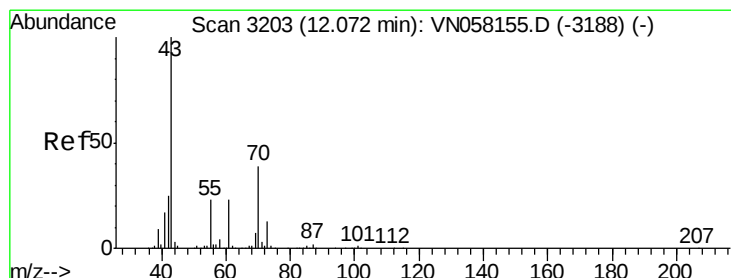
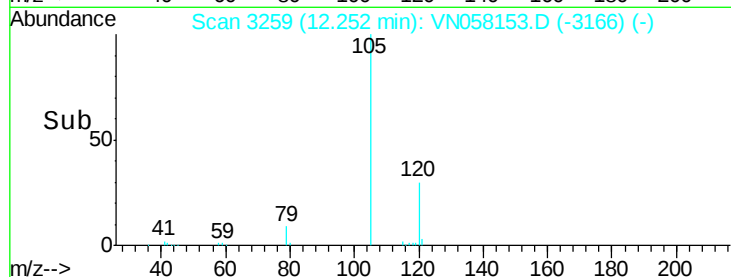
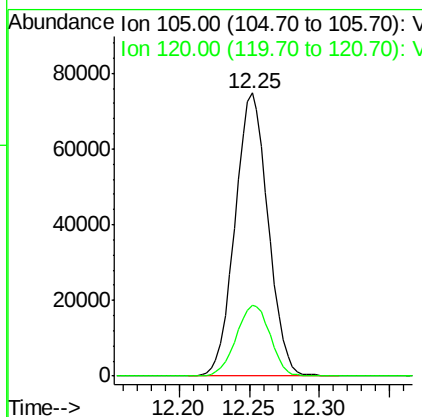
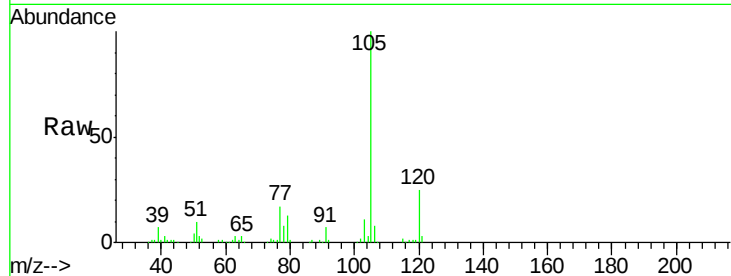
#73
Isopropylbenzene
Concen: 4.591 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.8	38.3

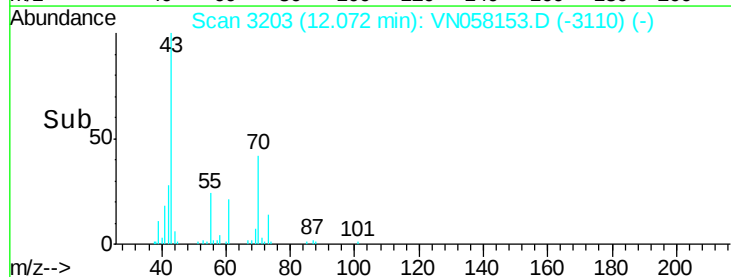
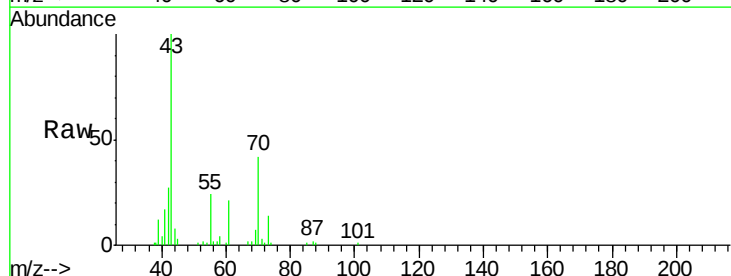
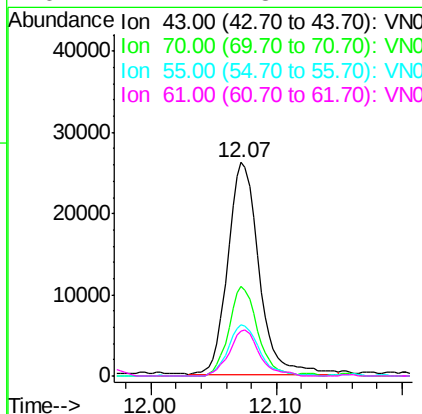
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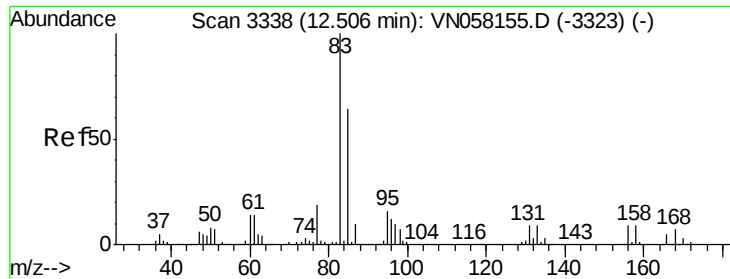
MMDadoda
9/20/2019 1:14:13 PM



#74
N-ethyl acetate
Concen: 3.868 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. -0.00 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

Tgt Ion	Ratio	Lower	Upper
43	100		
70	39.1	31.0	46.6
55	24.5	18.5	27.7
61	21.1	18.2	27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 4.120 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058153.D

Acq: 18 Sep 2019 9:43

Instrument :

MSVOA_N

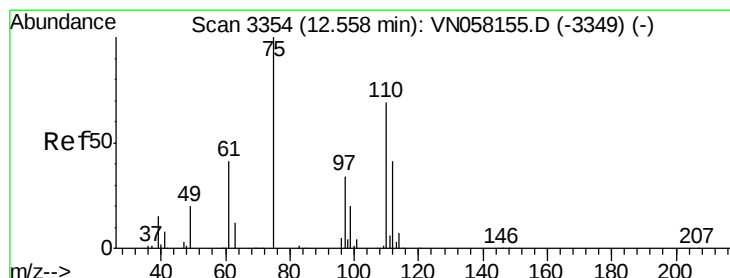
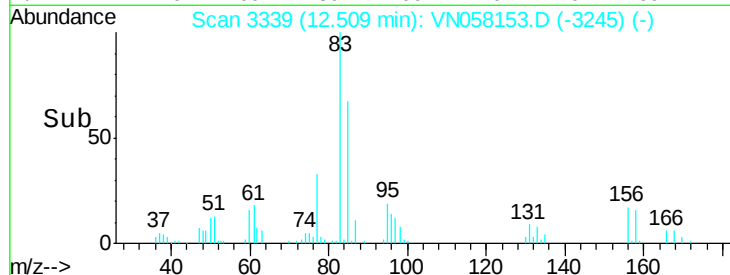
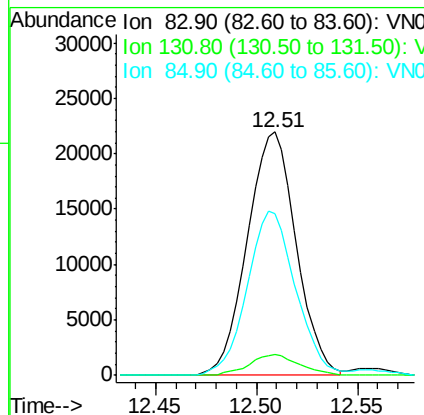
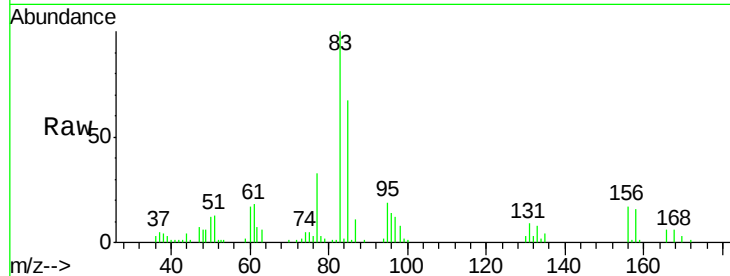
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	37143
Ion Ratio	Lower	Upper	
83	100		
131	8.7	4.8	14.3
85	66.9	31.9	95.5

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#76

1,2,3-Trichloropropane

Concen: 4.409 ug/l m

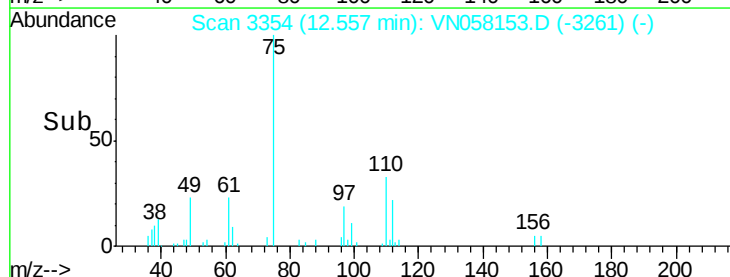
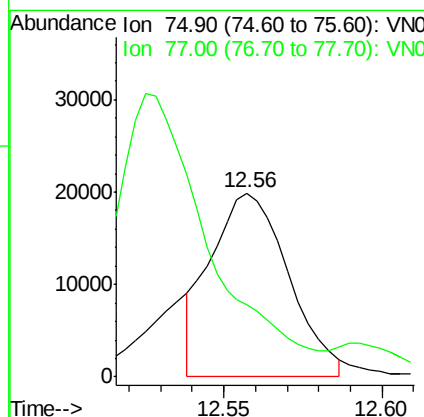
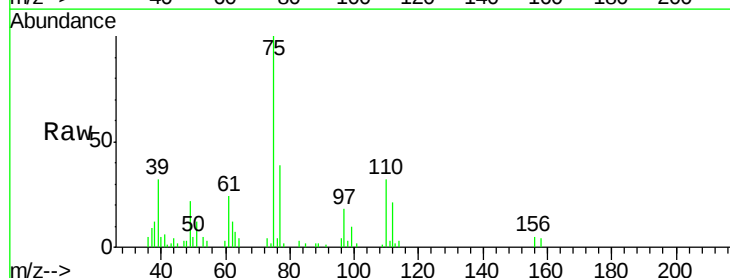
RT: 12.56 min Scan# 3354

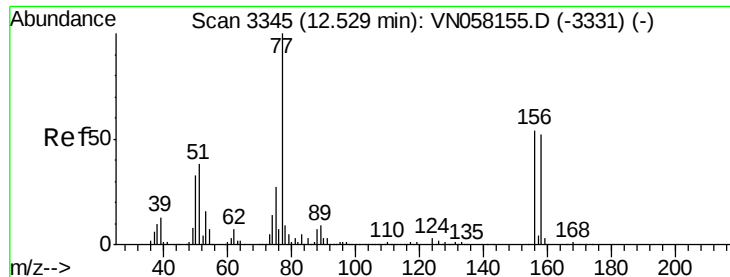
Delta R.T. -0.00 min

Lab File: VN058153.D

Acq: 18 Sep 2019 9:43

Tgt Ion:	75	Resp:	34200
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 4.312 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058153.D

Acq: 18 Sep 2019 9:43

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion:156 Resp: 28960

Ion Ratio Lower Upper

156 100

77 221.3 111.7 335.1

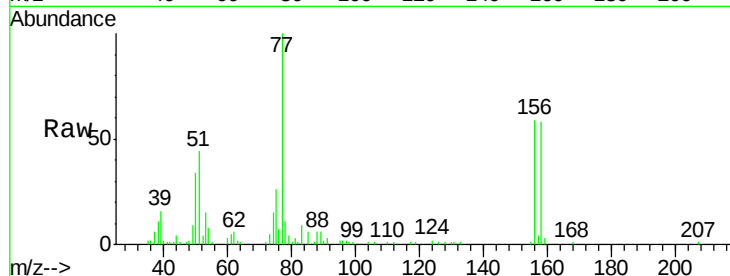
158 98.1 47.9 143.8

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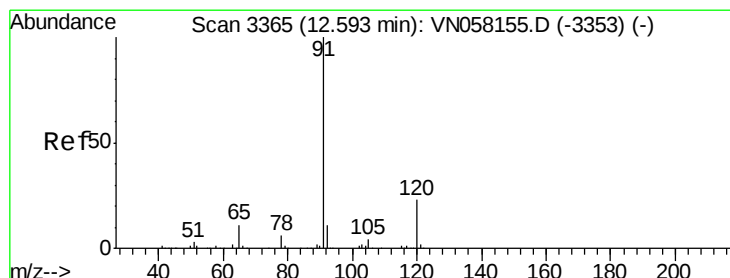
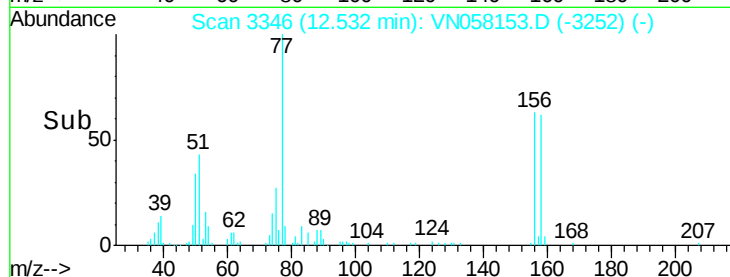
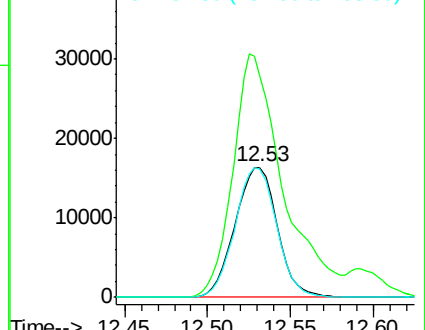
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.644 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058153.D

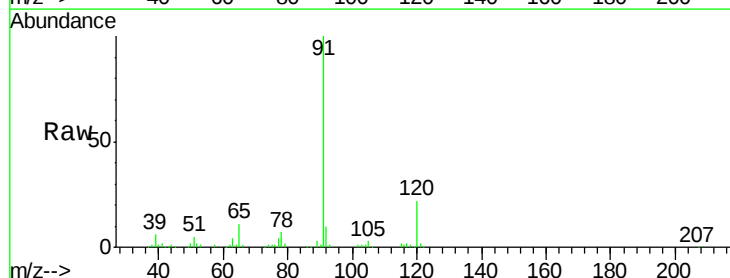
Acq: 18 Sep 2019 9:43

Tgt Ion: 91 Resp: 142674

Ion Ratio Lower Upper

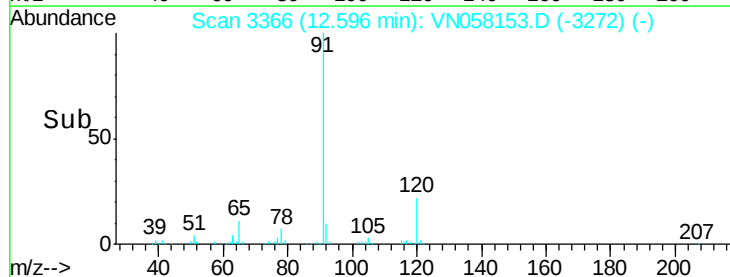
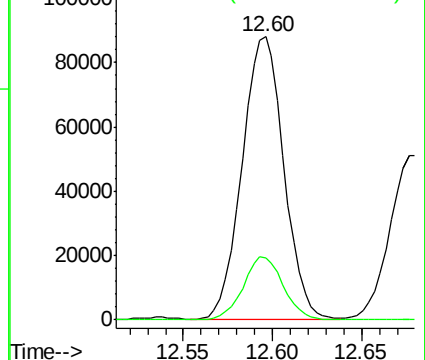
91 100

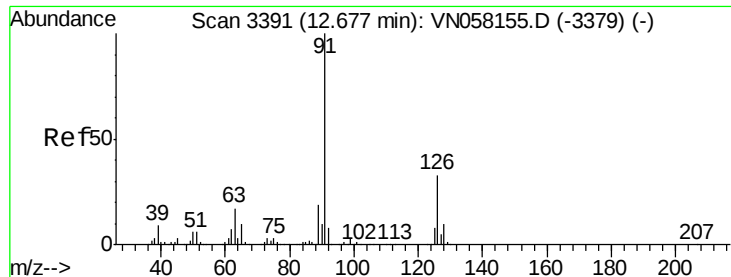
120 21.4 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.418 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN058153.D

Acq: 18 Sep 2019 9:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 85991

Ion Ratio Lower Upper

91 100

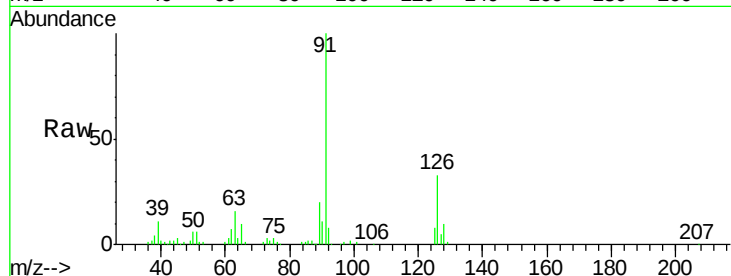
126 32.5 16.4 49.1

Manual Integrations

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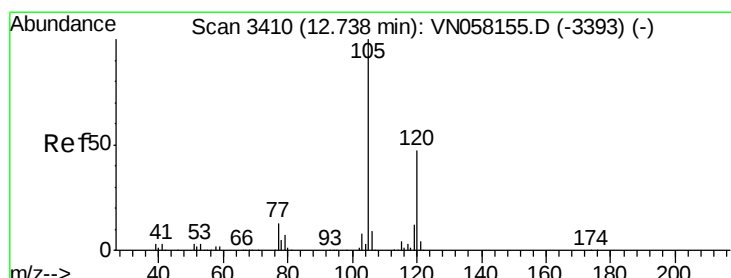
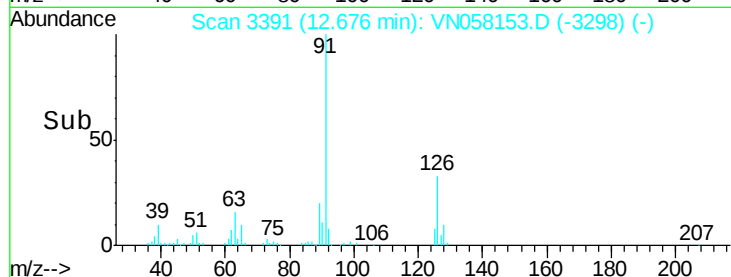
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Abundance Ion 91.00 (90.70 to 91.70): VN058153.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN058153.D (-3379) (-)



#80

1,3,5-Trimethylbenzene

Concen: 4.499 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058153.D

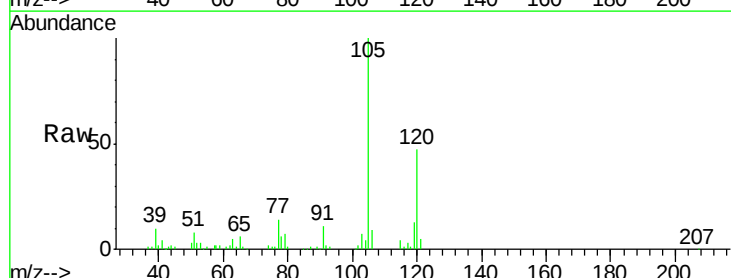
Acq: 18 Sep 2019 9:43

Tgt Ion: 105 Resp: 101953

Ion Ratio Lower Upper

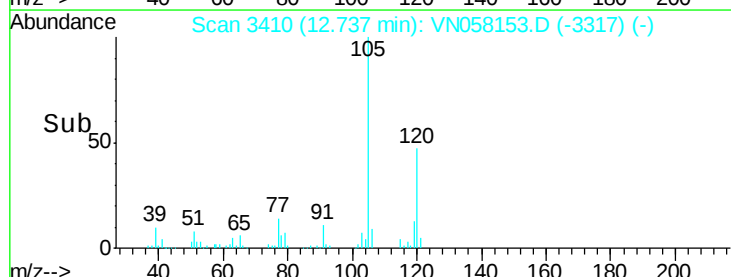
105 100

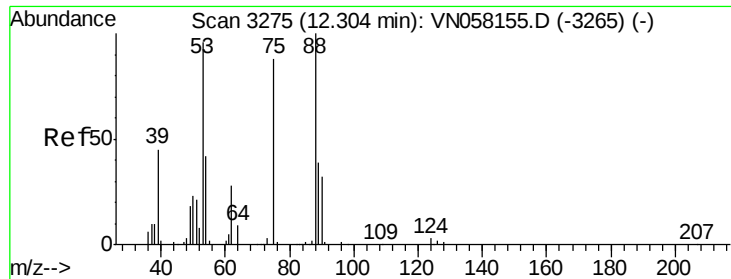
120 47.1 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN058153.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN058153.D (-3393) (-)





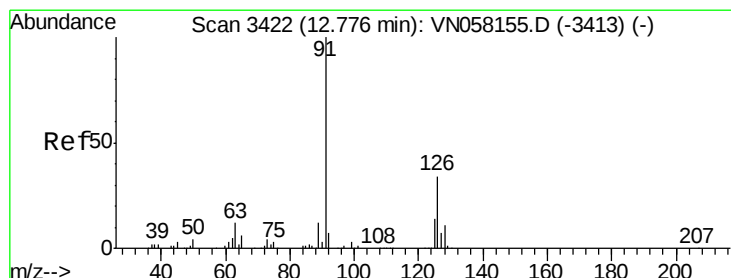
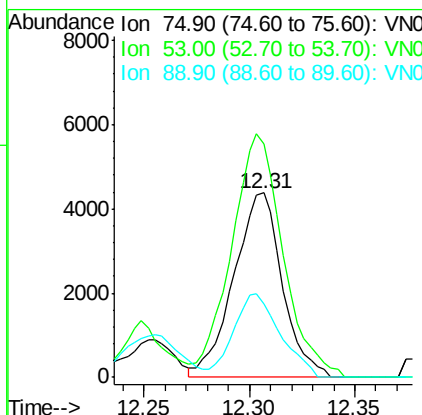
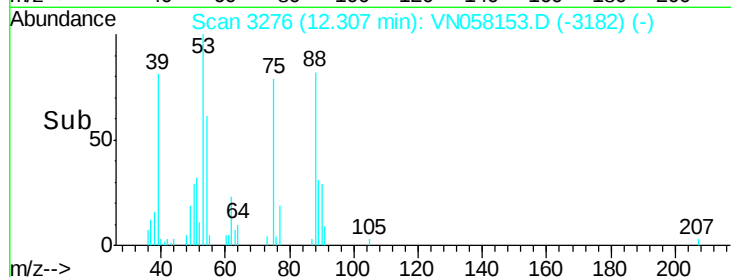
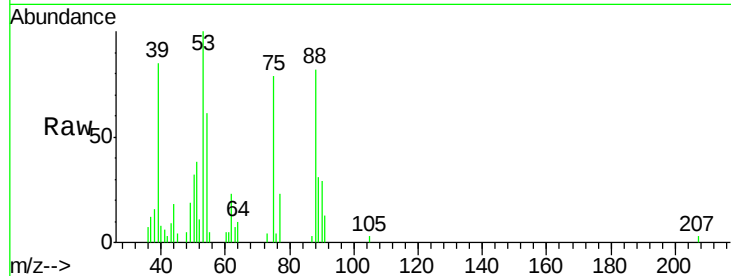
#81
trans-1,4-Dichloro-2-butene
Concen: 3.197 ug/l
RT: 12.31 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	140.1	90.1	135.1#
89	43.7	36.2	54.2

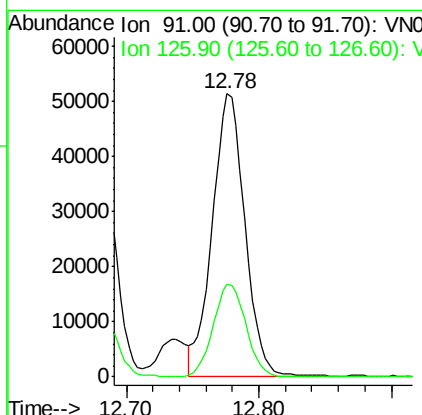
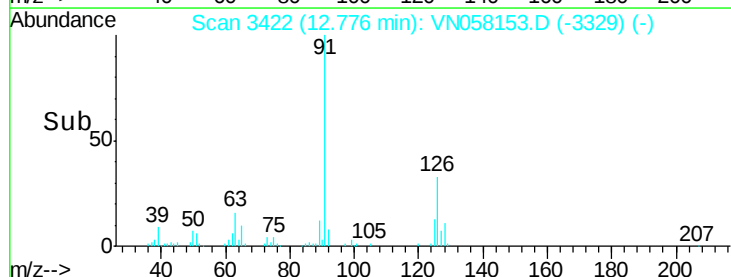
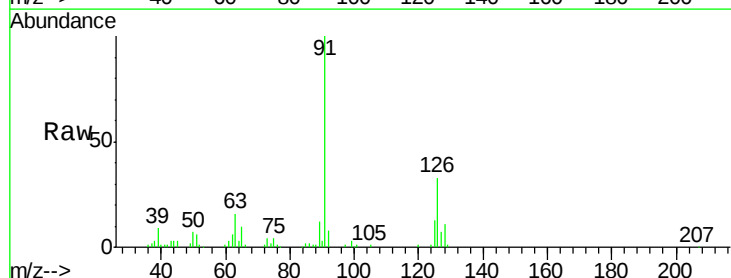
Manual Integrations
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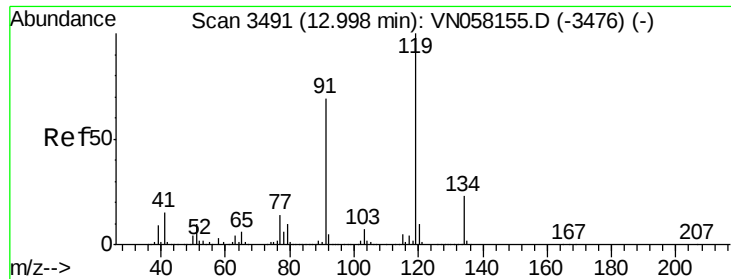
MMDadoda
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#82
4-Chlorotoluene
Concen: 4.405 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. -0.00 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.8	15.7	47.1





#83

tert-Butylbenzene

Concen: 4.390 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. -0.00 min

Lab File: VN058153.D

Acq: 18 Sep 2019 9:43

Instrument :

MSVOA_N

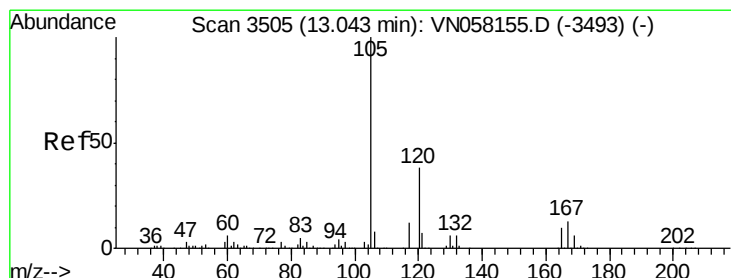
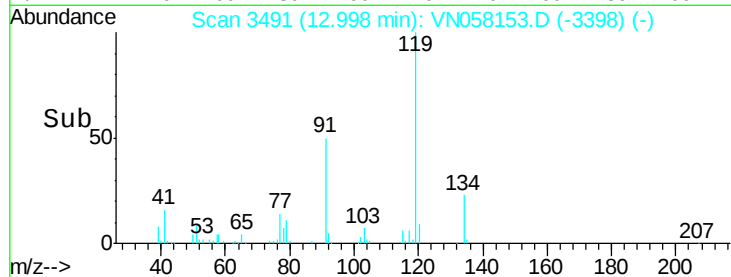
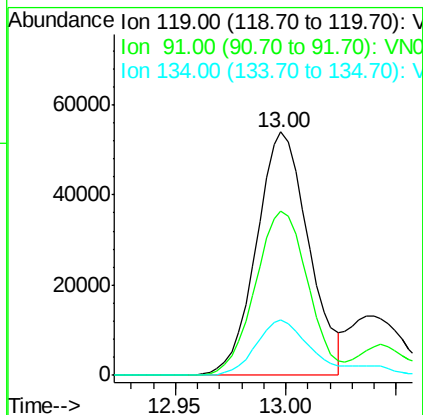
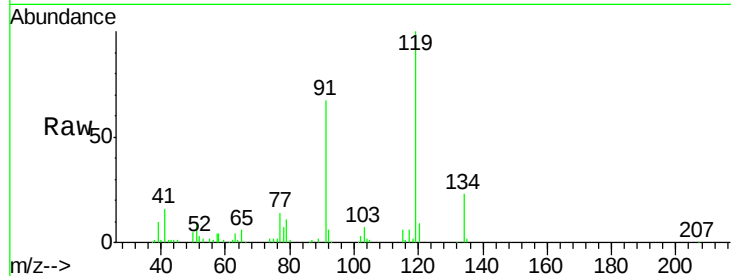
ClientSampleId :

VSTDIC005

Tot Ion:	119	Resp:	88391
Ion Ratio	Lower	Upper	
119	100		
91	68.6	33.8	101.3
134	23.1	11.6	34.8

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 4.298 ug/l

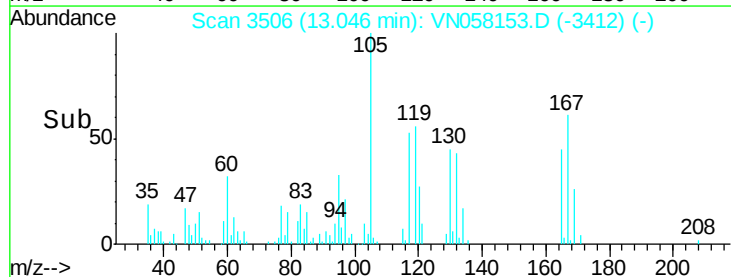
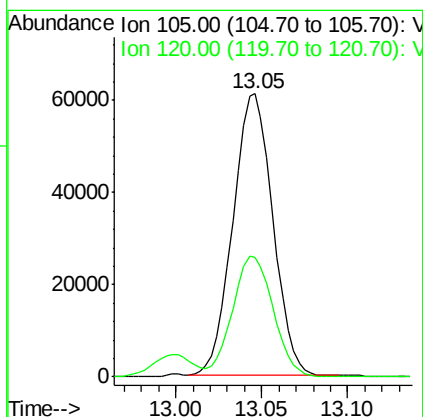
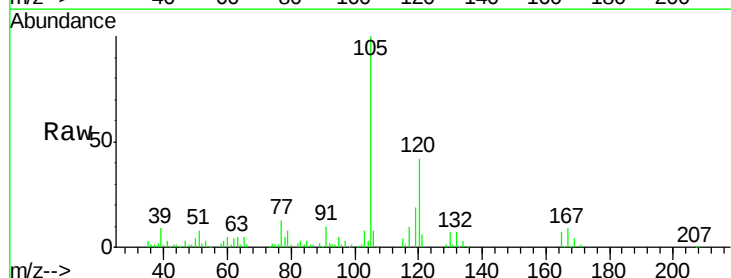
RT: 13.05 min Scan# 3506

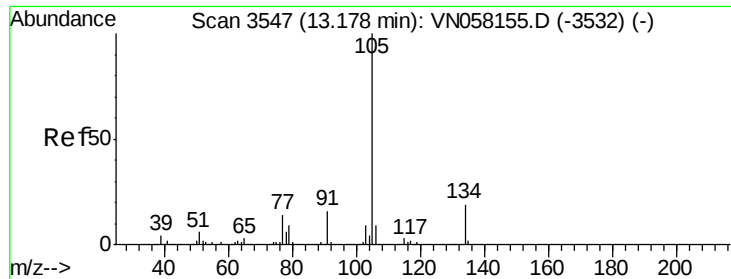
Delta R.T. 0.00 min

Lab File: VN058153.D

Acq: 18 Sep 2019 9:43

Tgt Ion:	105	Resp:	98703
Ion Ratio	Lower	Upper	
105	100		
120	43.7	22.1	66.5





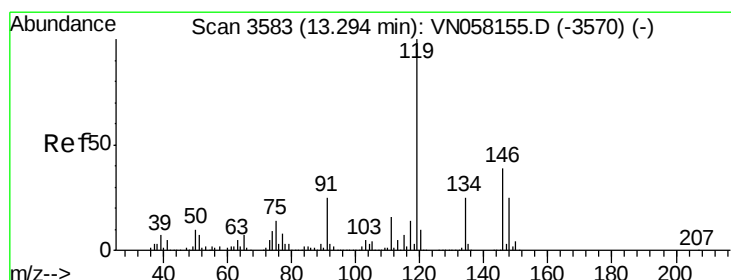
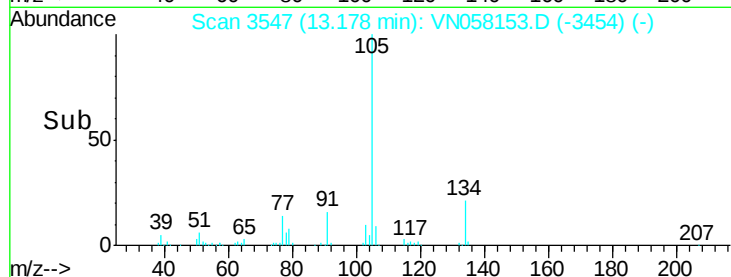
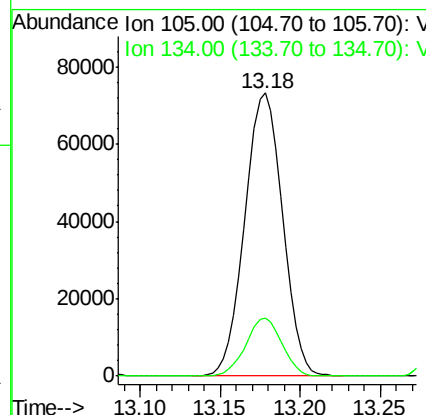
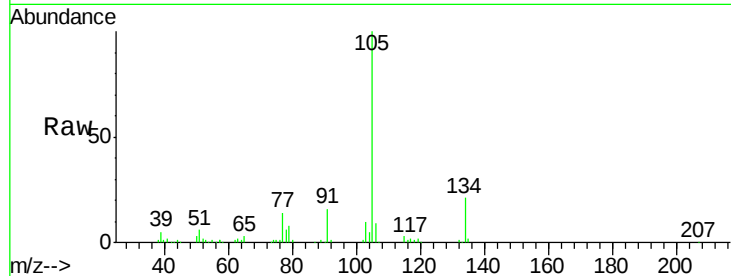
#85
 sec-Butylbenzene
 Concen: 4.428 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.5	28.5

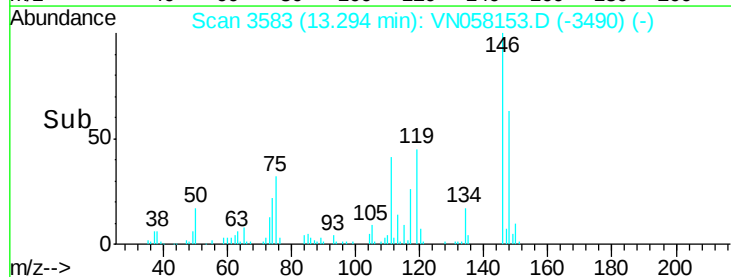
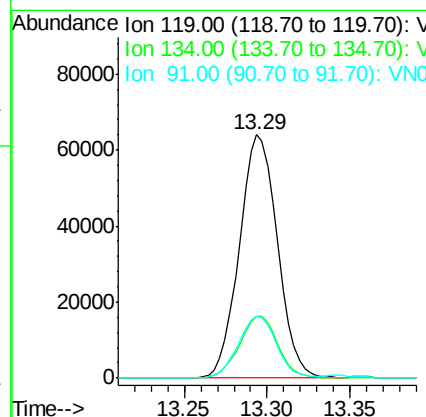
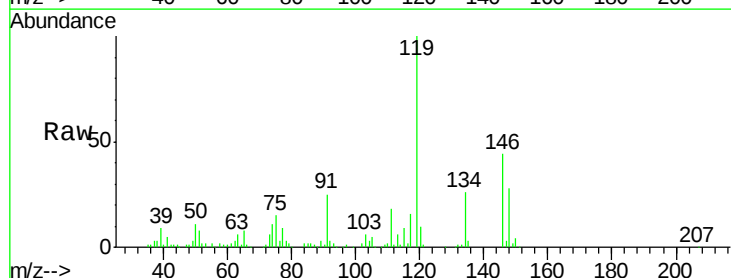
Manual Integrations
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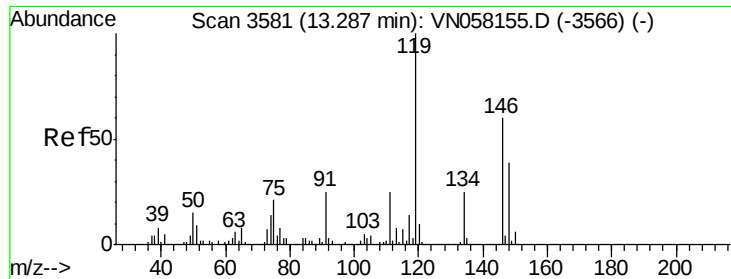
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#86
 p-Isopropyltoluene
 Concen: 4.362 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.7	38.0
91	25.5	12.3	36.8





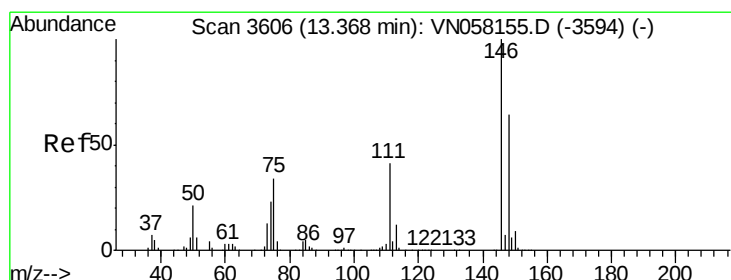
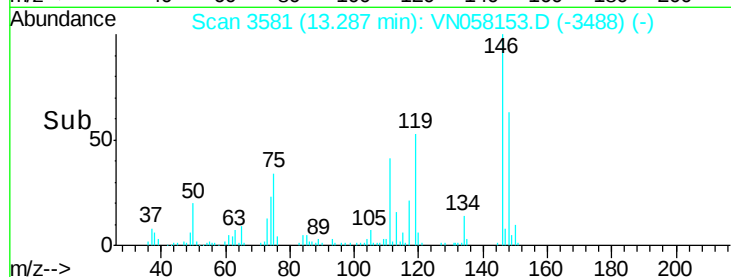
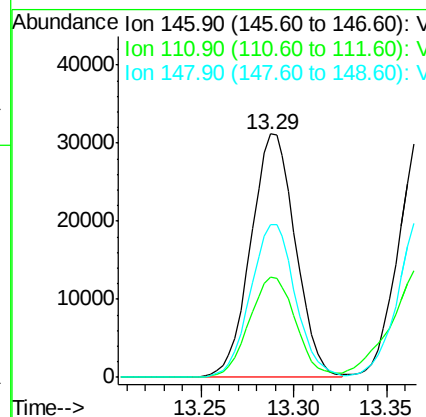
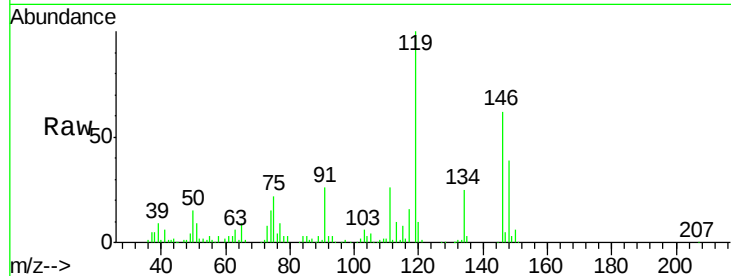
#87
 1,3-Dichlorobenzene
 Concen: 4.283 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.9	62.8
148	63.1	32.0	96.2

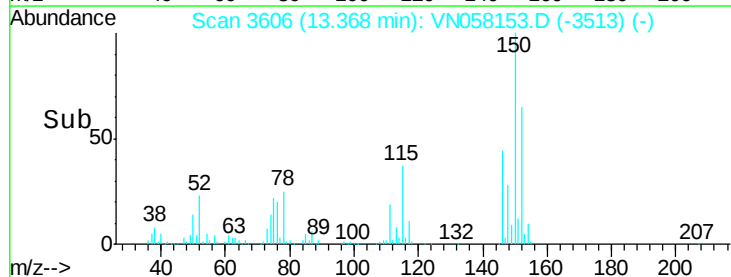
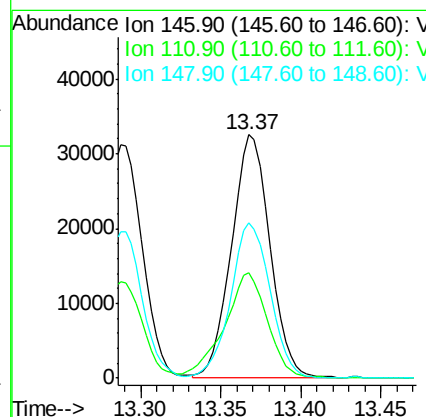
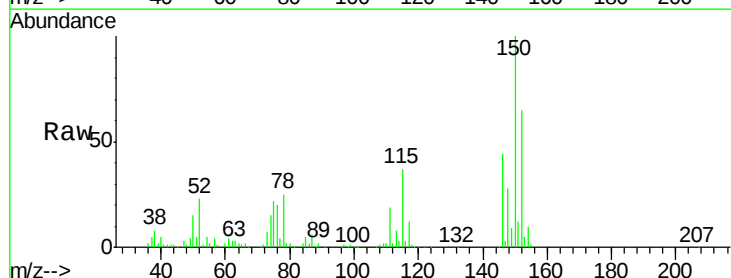
Manual Integrations
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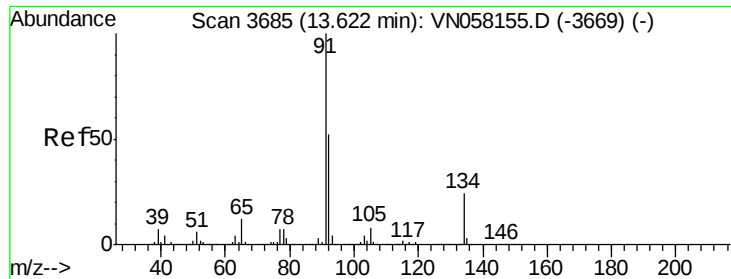
MMDadoda
 9/20/2019 1:14:13 PM



#88
 1,4-Dichlorobenzene
 Concen: 4.273 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.7	20.5	61.5
148	65.5	31.9	95.5





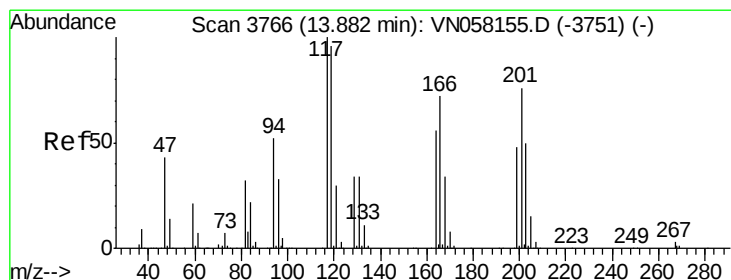
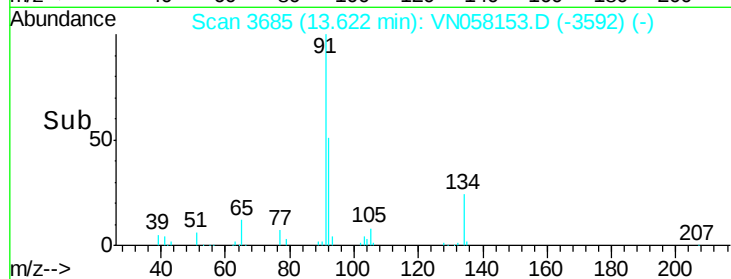
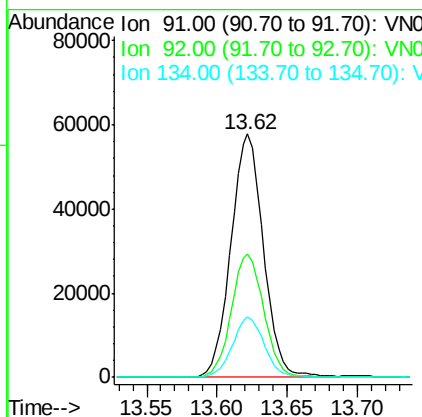
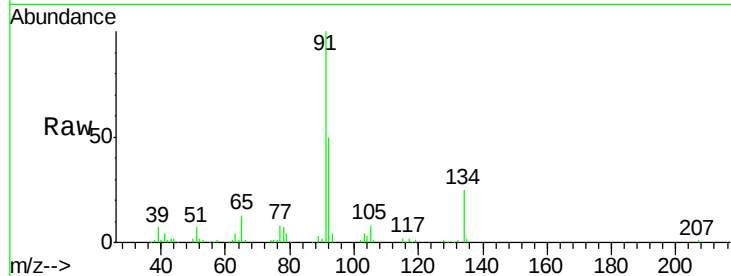
#89
n-Butylbenzene
Concen: 4.206 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.3	25.7	77.0
134	24.3	11.8	35.4

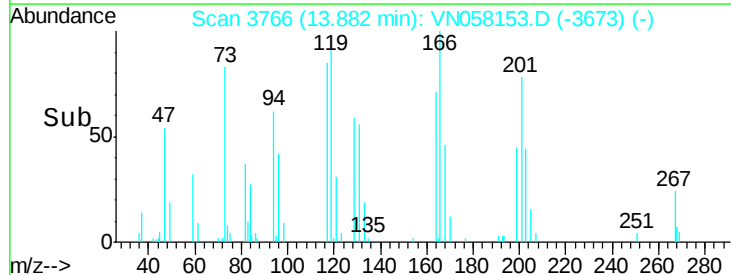
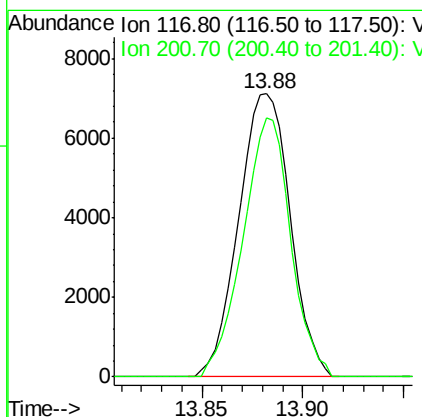
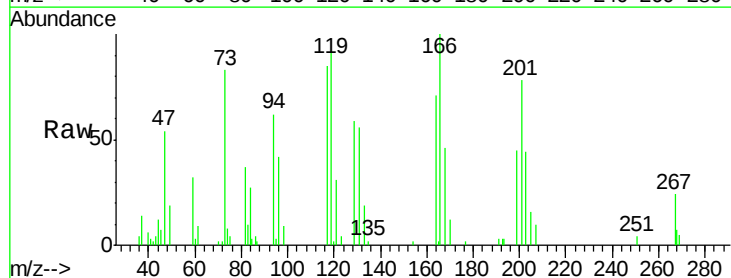
Manual Integrations
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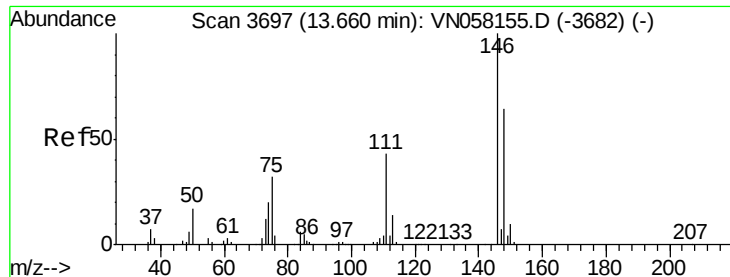
MMDadoda
9/20/2019 1:14:13 PM



#90
Hexachloroethane
Concen: 3.637 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.7	37.5	112.5





#91

1,2-Dichlorobenzene

Concen: 4.237 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN058153.D

Acq: 18 Sep 2019 9:43

Instrument :

MSVOA_N

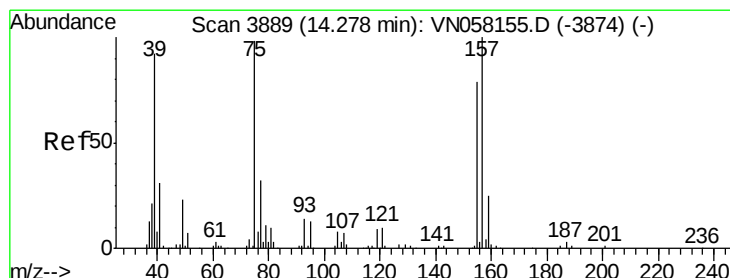
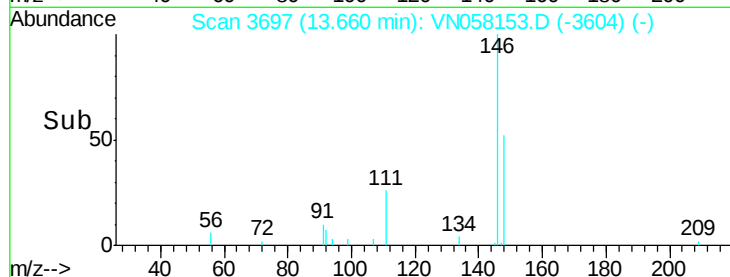
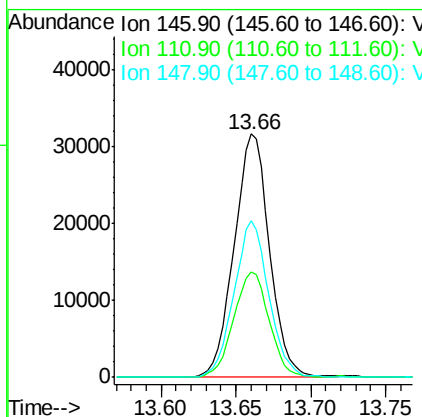
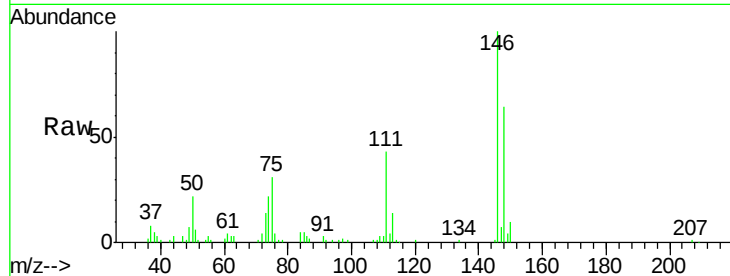
ClientSampleId :

VSTDIC005

Tot Ion:	146	Resp:	52063
Ion Ratio	Lower	Upper	
146	100		
111	43.3	21.1	63.1
148	63.0	31.8	95.4

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#92

1,2-Dibromo-3-Chloropropane

Concen: 4.026 ug/l

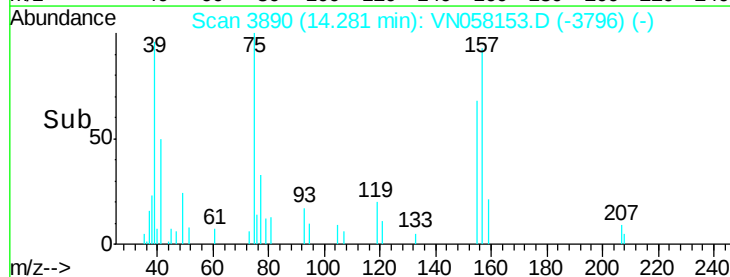
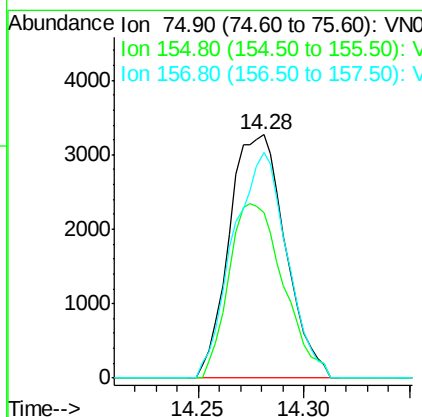
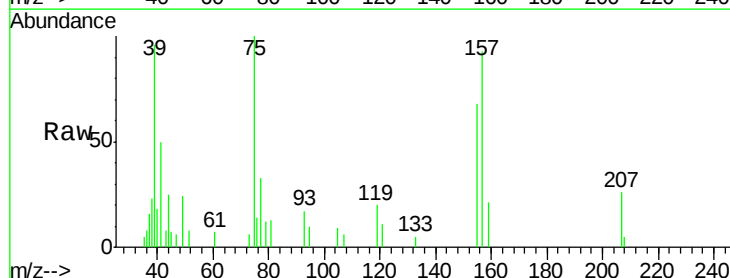
RT: 14.28 min Scan# 3890

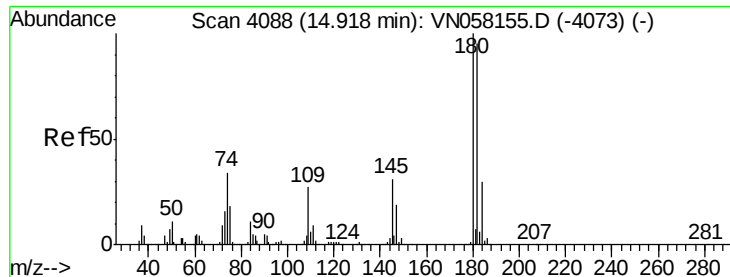
Delta R.T. 0.00 min

Lab File: VN058153.D

Acq: 18 Sep 2019 9:43

Tgt Ion:	75	Resp:	6020
Ion Ratio	Lower	Upper	
75	100		
155	70.0	38.3	114.8
157	89.4	48.0	144.0





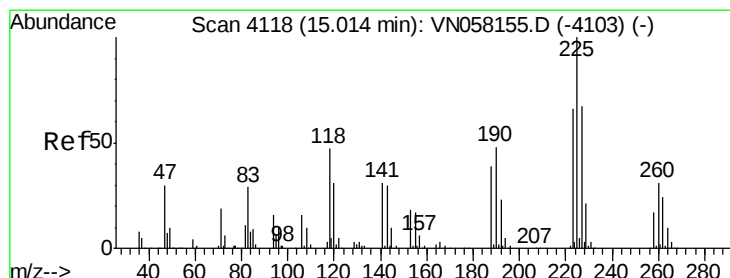
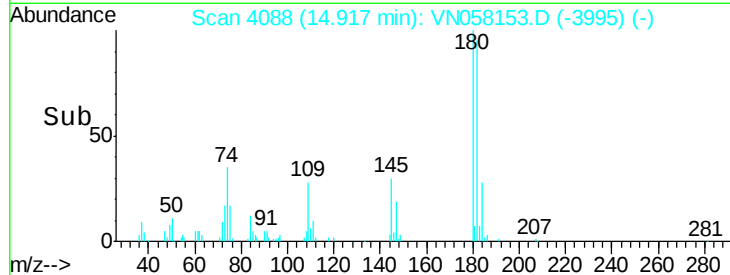
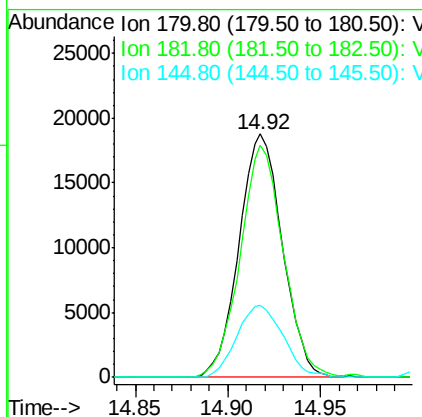
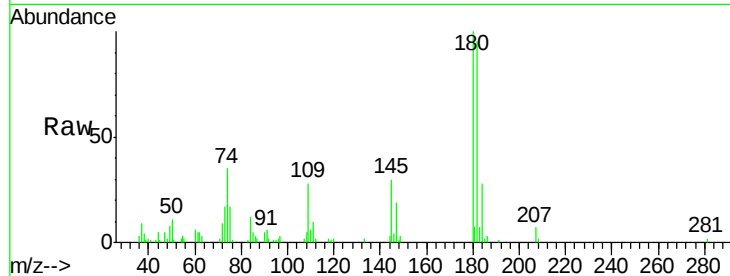
#93
 1,2,4-Trichlorobenzene
 Concen: 3.749 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:180	Resp:	30441
Ion Ratio	Lower	Upper
180 100		
182 95.1	47.8	143.3
145 31.5	15.4	46.4

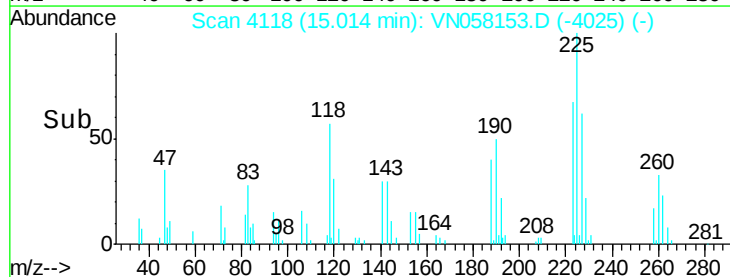
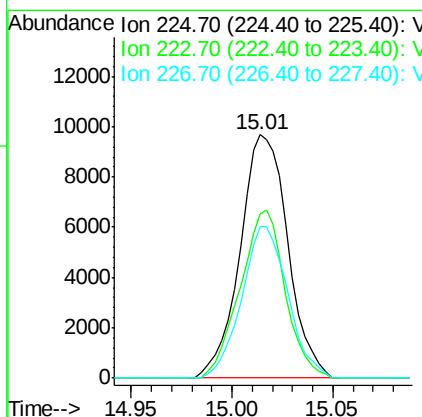
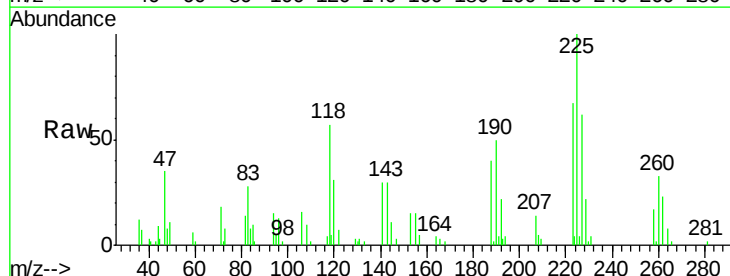
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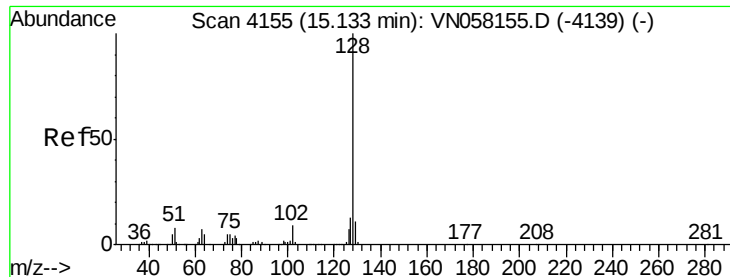
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#94
 Hexachlorobutadiene
 Concen: 4.603 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion:225	Resp:	16027
Ion Ratio	Lower	Upper
225 100		
223 65.1	32.6	97.7
227 60.3	33.0	99.0





#95

Naphthalene

Concen: 3.279 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN058153.D

Acq: 18 Sep 2019 9:43

Instrument :

MSVOA_N

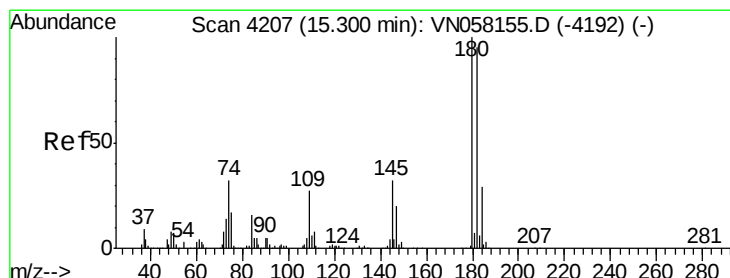
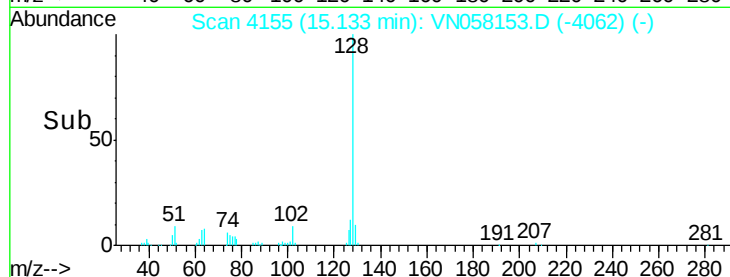
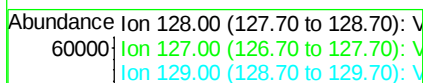
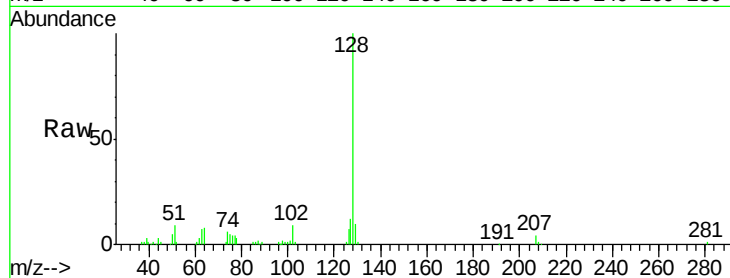
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	76294
Ion Ratio	Lower	Upper	
128	100		
127	12.2	10.2	15.2
129	11.0	8.6	12.8

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 3.621 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. -0.00 min

Lab File: VN058153.D

Acq: 18 Sep 2019 9:43

Tgt Ion:	180	Resp:	28756
Ion Ratio	Lower	Upper	
180	100		
182	96.9	47.4	142.2
145	33.8	16.1	48.2

