

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091819\
 Data File : VN058154.D
 Acq On : 18 Sep 2019 10:05
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 1:14:19 PM

Quant Time: Sep 19 01:57:40 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	606946	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	1008309	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	923371	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	440174	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	159773	13.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	27.74%	
35) Dibromofluoromethane	7.58	113	114512	13.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	26.30%	
50) Toluene-d8	10.08	98	458756	13.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	27.28%	
62) 4-Bromofluorobenzene	12.40	95	162426	12.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	25.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	95642	12.334	ug/l	97
3) Chloromethane	2.04	50	79516	10.120	ug/l	96
4) Vinyl Chloride	2.17	62	85467	10.289	ug/l	100
5) Bromomethane	2.55	94	42088	8.575	ug/l	97
6) Chloroethane	2.69	64	57661	10.836	ug/l	96
7) Trichlorofluoromethane	3.00	101	126842	12.004	ug/l	100
8) Diethyl Ether	3.39	74	57621	12.829	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	92481	13.697	ug/l	99
10) Methyl Iodide	3.93	142	73573	10.278	ug/l	98
11) Tert butyl alcohol	4.76	59	95412	69.643	ug/l #	86
12) 1,1-Dichloroethene	3.72	96	75284	12.435	ug/l	95
13) Acrolein	3.59	56	13119	12.664	ug/l #	64
14) Allyl chloride	4.30	41	146514	12.306	ug/l	100
15) Acrylonitrile	4.96	53	263852	68.573	ug/l	100
16) Acetone	3.79	43	276694	73.158	ug/l	99
17) Carbon Disulfide	4.03	76	96733	8.765	ug/l	99
18) Methyl Acetate	4.30	43	140672	13.897	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	356388	14.069	ug/l	99
20) Methylene Chloride	4.53	84	102719	12.495	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	80248	12.261	ug/l	99
22) Diisopropyl ether	5.93	45	390939	14.003	ug/l	97
23) Vinyl Acetate	5.87	43	1384687	70.389	ug/l	100
24) 1,1-Dichloroethane	5.83	63	208116	13.659	ug/l	99
25) 2-Butanone	6.82	43	382334	69.792	ug/l	99
26) 2,2-Dichloropropane	6.81	77	169944	14.055	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	115458	13.099	ug/l	98
28) Bromochloromethane	7.18	49	90834	11.937	ug/l #	100
29) Tetrahydrofuran	7.19	42	233479	69.158	ug/l	98
30) Chloroform	7.36	83	219260	13.725	ug/l	99
31) Cyclohexane	7.64	56	146204	13.026	ug/l	95
32) 1,1,1-Trichloroethane	7.55	97	173745	13.724	ug/l	99
36) 1,1-Dichloropropene	7.78	75	132011	12.047	ug/l	99
37) Ethyl Acetate	6.91	43	145684	12.826	ug/l	99
38) Carbon Tetrachloride	7.76	117	133548	13.293	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	133723	11.638	ug/l	98
40) Benzene	8.03	78	420246	12.738	ug/l	99
41) Methacrylonitrile	7.15	41	64778m	12.578	ug/l	
42) 1,2-Dichloroethane	8.11	62	176296	13.317	ug/l	99
43) Isopropyl Acetate	8.15	43	264044	13.818	ug/l #	90
44) Trichloroethene	8.82	130	102026	12.573	ug/l	99
45) 1,2-Dichloropropane	9.11	63	130085	13.500	ug/l	97
46) Dibromomethane	9.20	93	77649	13.349	ug/l	99
47) Bromodichloromethane	9.39	83	163545	14.120	ug/l	97
48) Methyl methacrylate	9.19	41	125292	13.000	ug/l	99
49) 1,4-Dioxane	9.19	88	39571	241.614	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	802896	71.812	ug/l	98
52) Toluene	10.15	92	264689	12.752	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	166170	13.651	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	182758	13.591	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	122551	13.921	ug/l	97
56) Ethyl methacrylate	10.43	69	173920	13.187	ug/l	98
57) 1,3-Dichloropropane	10.71	76	207784	13.692	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	386214	62.769	ug/l	98
59) 2-Hexanone	10.75	43	575541	68.852	ug/l	99
60) Dibromochloromethane	10.90	129	114510	14.029	ug/l	98
61) 1,2-Dibromoethane	11.00	107	111438	13.426	ug/l	99
64) Tetrachloroethene	10.63	164	80680	12.529	ug/l	100
65) Chlorobenzene	11.43	112	306469	13.481	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	113492	14.351	ug/l	99
67) Ethyl Benzene	11.51	91	540334	13.576	ug/l	100
68) m/p-Xylenes	11.62	106	401832	27.572	ug/l	98
69) o-Xylene	11.95	106	195694	13.548	ug/l	99
70) Styrene	11.97	104	348035	14.003	ug/l	99
71) Bromoform	12.13	173	70504	14.353	ug/l #	100
73) Isopropylbenzene	12.25	105	562516	17.052	ug/l	99
74) N-amyl acetate	12.07	43	230089	16.117	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	185115	16.677	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	152394m	15.956	ug/l	
77) Bromobenzene	12.53	156	134686	16.288	ug/l	96
78) n-propylbenzene	12.60	91	653621	17.280	ug/l	99
79) 2-Chlorotoluene	12.68	91	391160	16.321	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	481047	17.240	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	41883	15.501	ug/l	93
82) 4-Chlorotoluene	12.78	91	409025	16.617	ug/l	99
83) tert-Butylbenzene	13.00	119	422052	17.022	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	482120	17.048	ug/l	100
85) sec-Butylbenzene	13.18	105	563329	17.165	ug/l	99
86) p-Isopropyltoluene	13.29	119	507686	17.581	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	254001	16.816	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	249452	16.214	ug/l	97
89) n-Butylbenzene	13.62	91	469149	17.144	ug/l	100
90) Hexachloroethane	13.88	117	72531	16.794	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	253674	16.765	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	32818	17.826	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	157929	15.796	ug/l	100
94) Hexachlorobutadiene	15.01	225	80346	18.743	ug/l	97
95) Naphthalene	15.13	128	424679	14.825	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	149361	15.273	ug/l	100

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

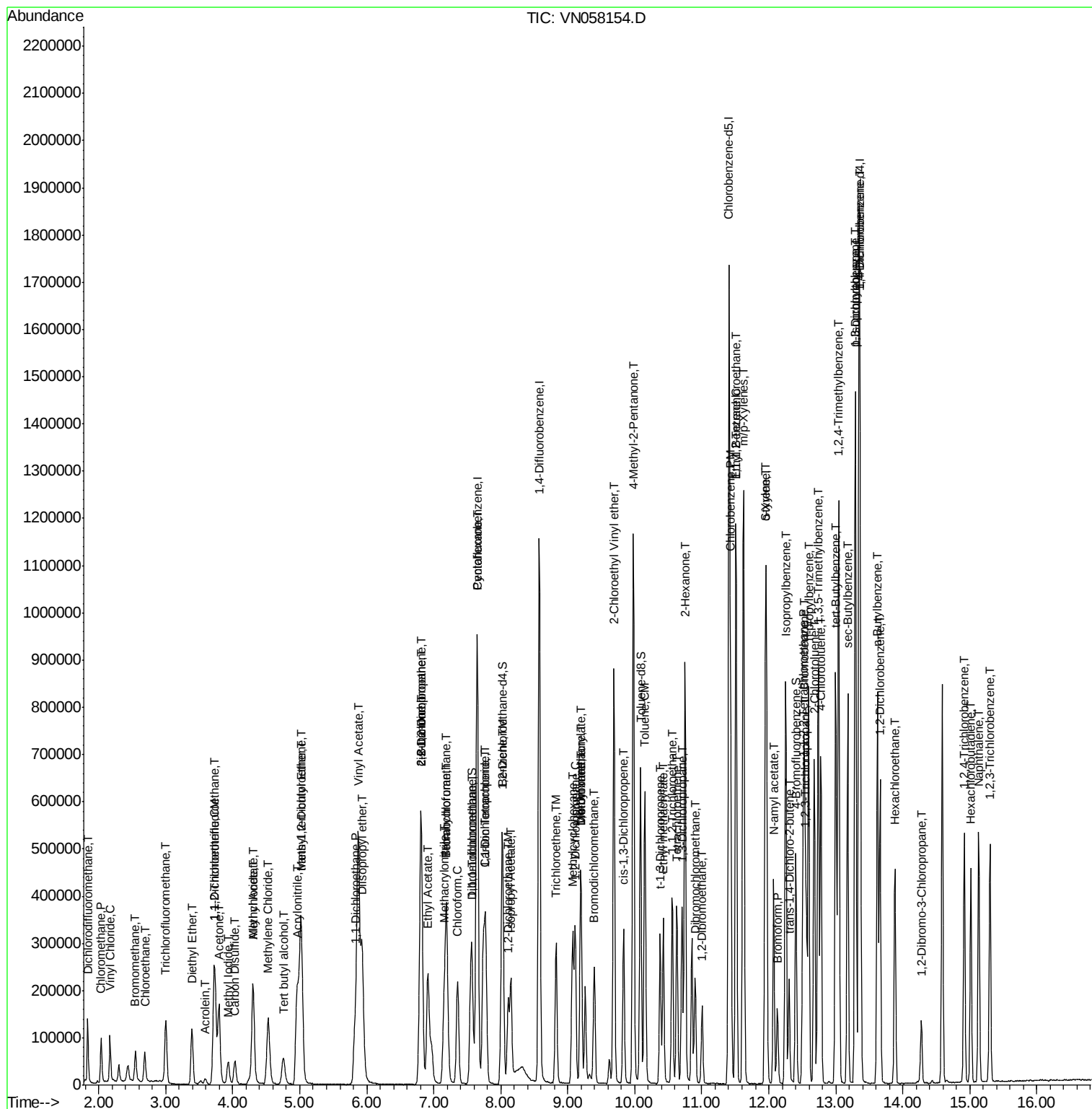
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091819\
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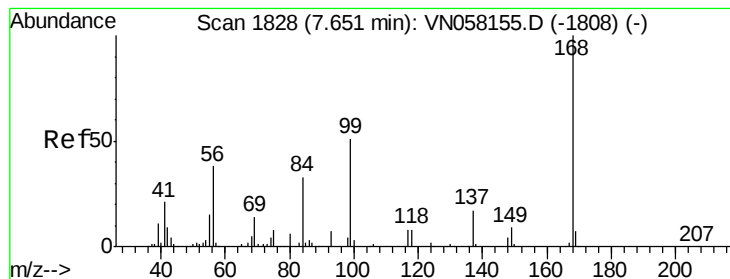
Instrument :
MSVOA_N
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

Instrument :

MSVOA_N

ClientSampleID :

VSTDIC020

Tot Ion:168 Resp: 606946

Ion Ratio Lower Upper

168 100

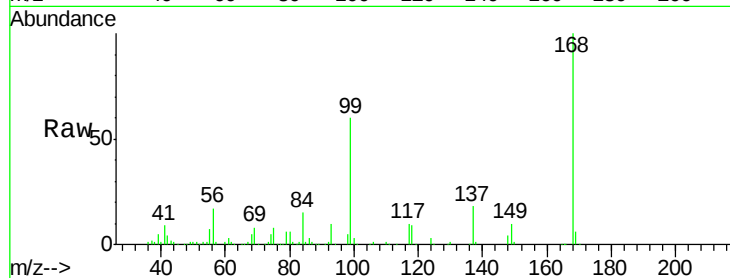
99 59.9 47.4 71.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

250000

200000

150000

100000

50000

0

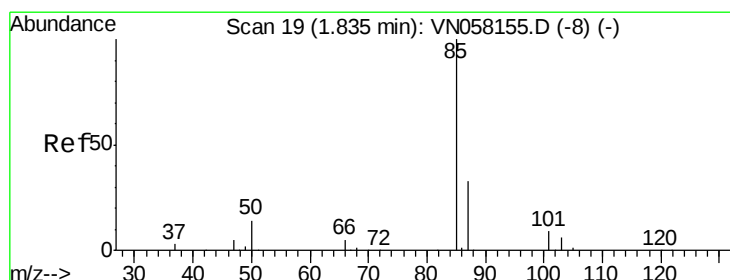
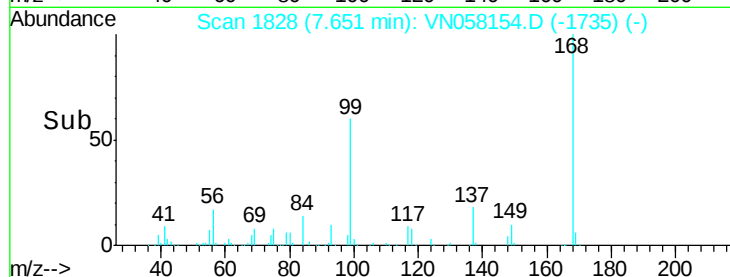
Time-->

7.50

7.60

7.70

7.80



#2

Dichlorodifluoromethane

Concen: 12.334 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058154.D

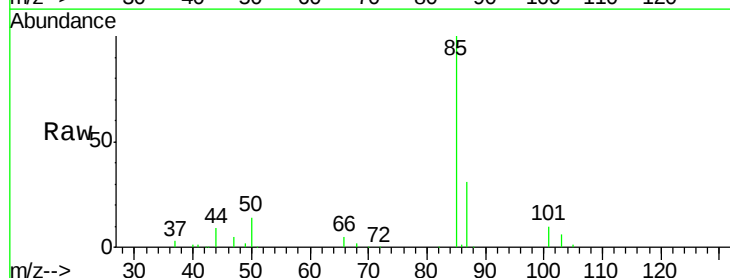
Acq: 18 Sep 2019 10:05

Tgt Ion: 85 Resp: 95642

Ion Ratio Lower Upper

85 100

87 31.0 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

80000

60000

40000

20000

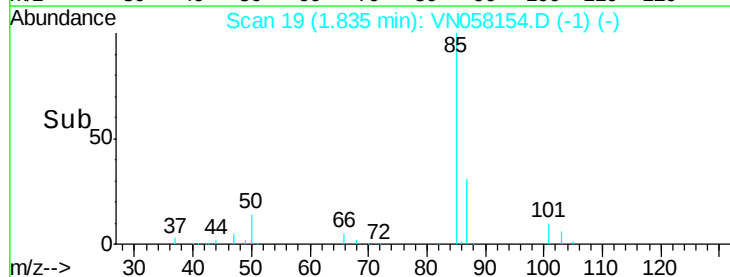
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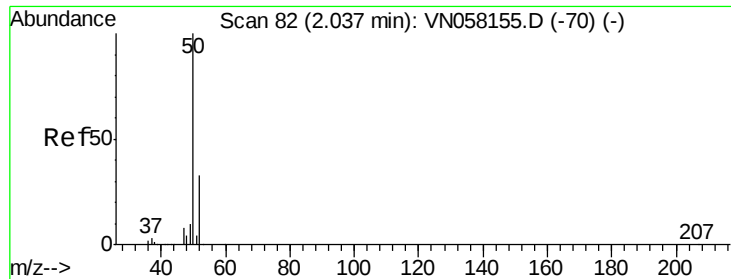
Time-->

1.80

1.85

1.90





#3

Chloromethane

Concen: 10.120 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 79516

Ion Ratio Lower Upper

50 100

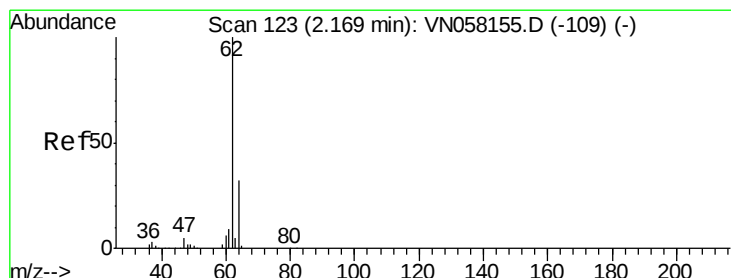
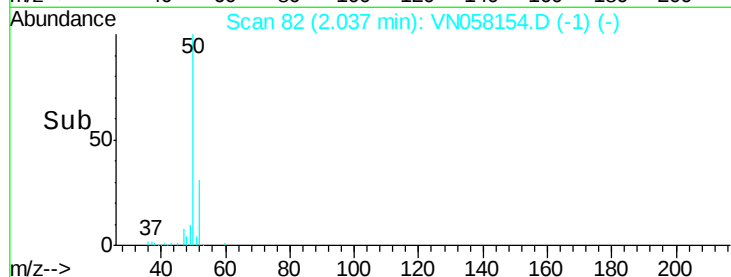
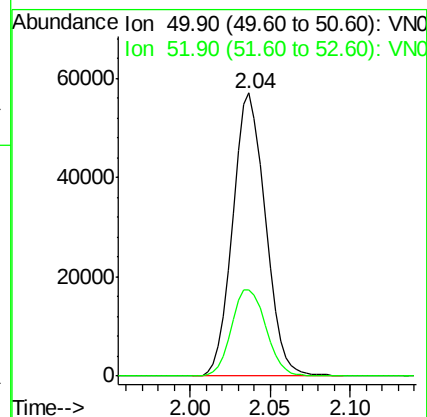
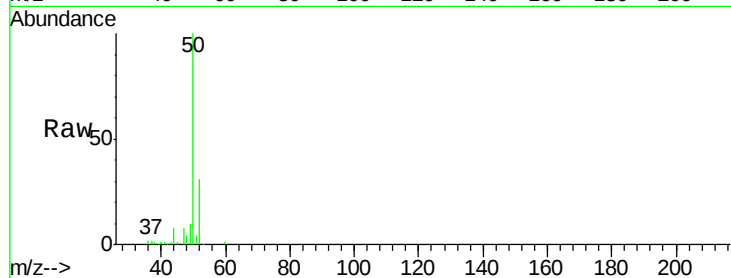
52 30.7 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 10.289 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058154.D

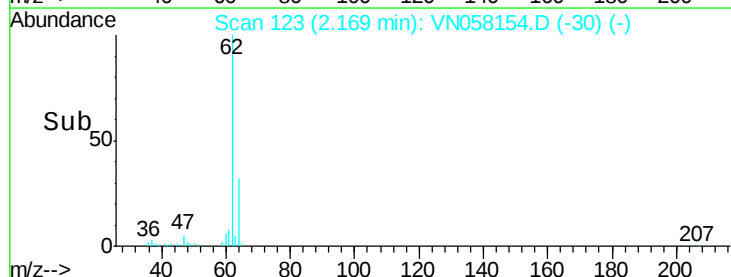
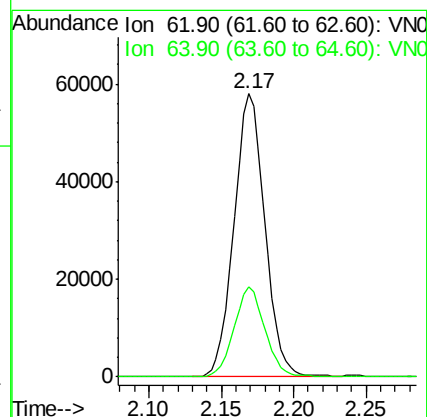
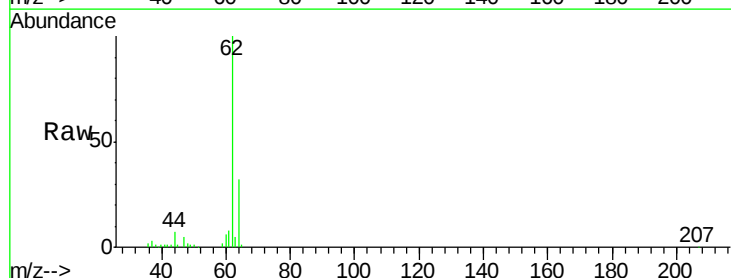
Acq: 18 Sep 2019 10:05

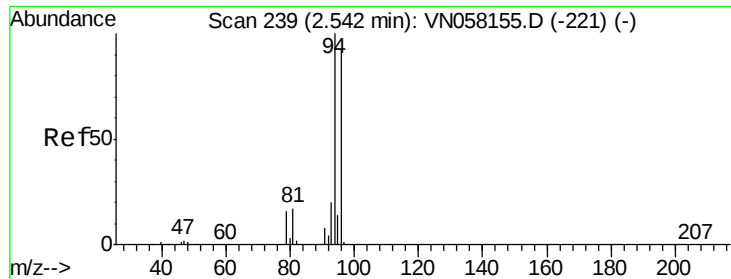
Tgt Ion: 62 Resp: 85467

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.2





#5

Bromomethane

Concen: 8.575 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

Instrument :

MSVOA_N

ClientSampleId :

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Tot Ion: 94 Resp: 42088

Ion Ratio Lower Upper

94 100

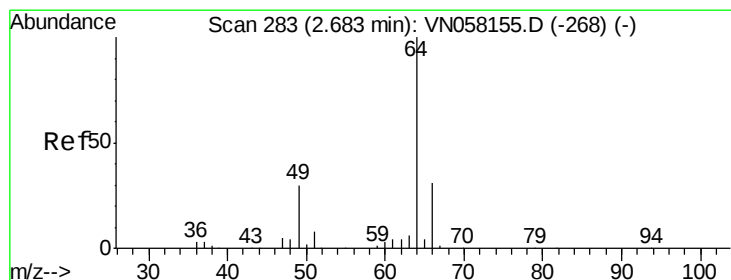
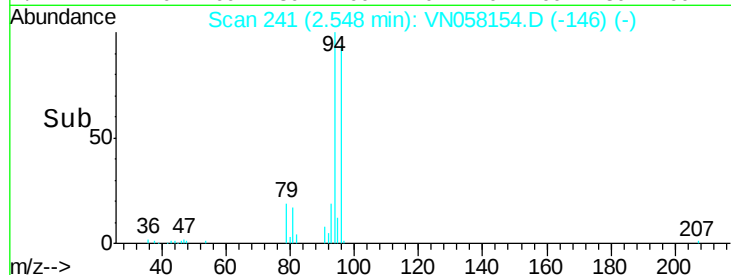
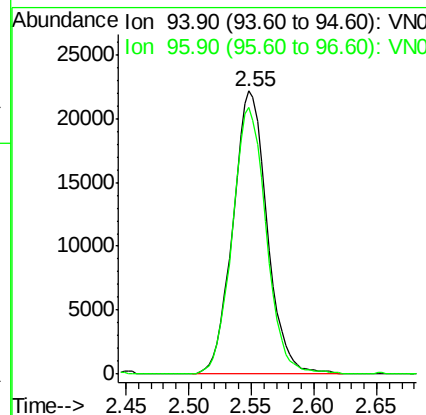
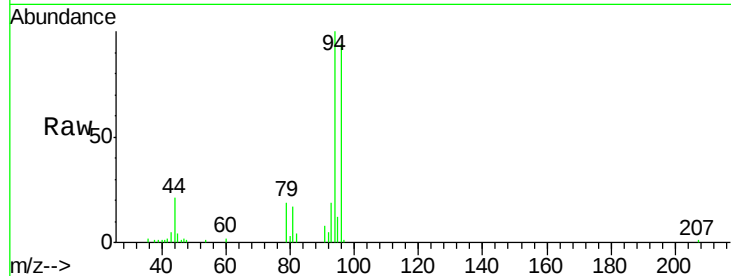
96 94.4 73.3 109.9

Manual Integrations

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#6

Chloroethane

Concen: 10.836 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN058154.D

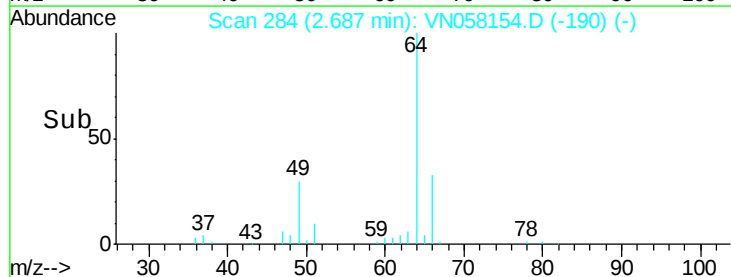
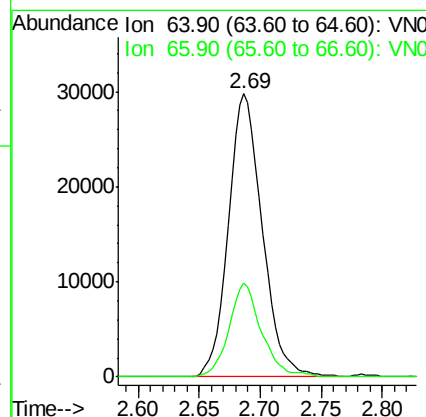
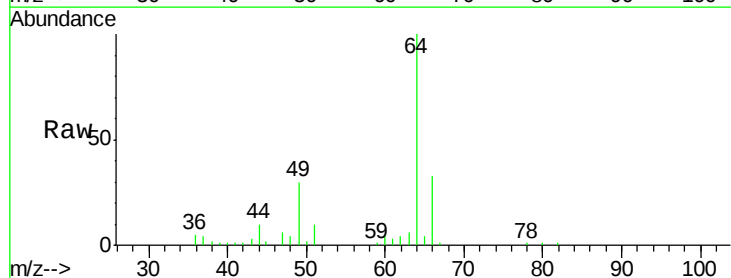
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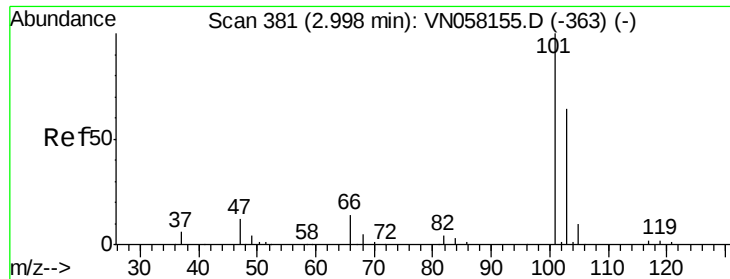
Tgt Ion: 64 Resp: 57661

Ion Ratio Lower Upper

64 100

66 33.1 24.6 37.0





#7

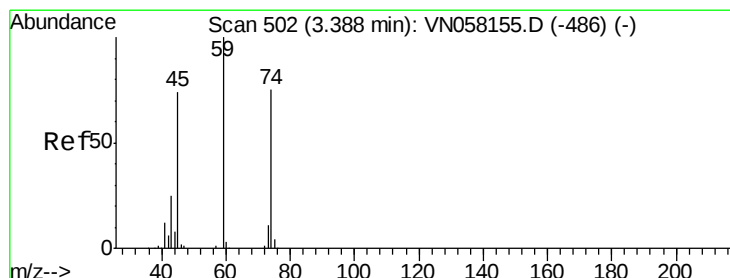
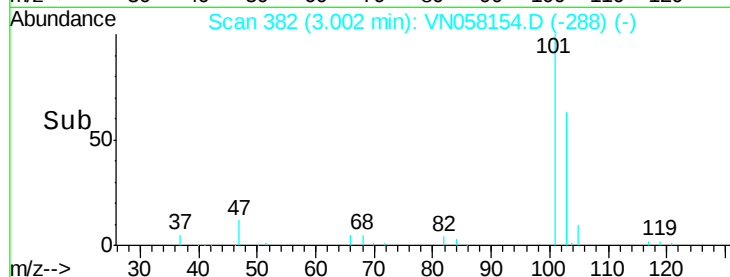
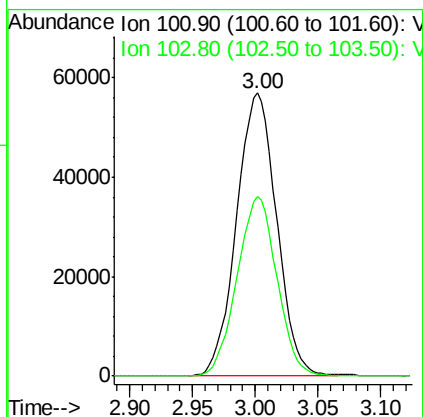
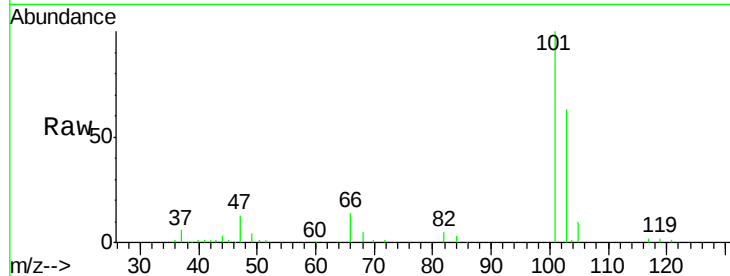
Trichlorofluoromethane
Concen: 12.004 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN058154.D
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VSTDIC020

Tot Ion:101 Resp: 126842
Ion Ratio Lower Upper
101 100
103 63.5 51.0 76.6

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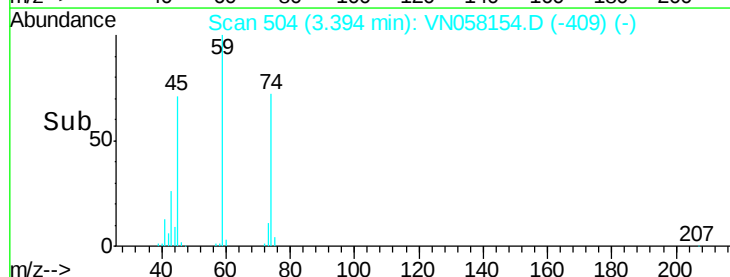
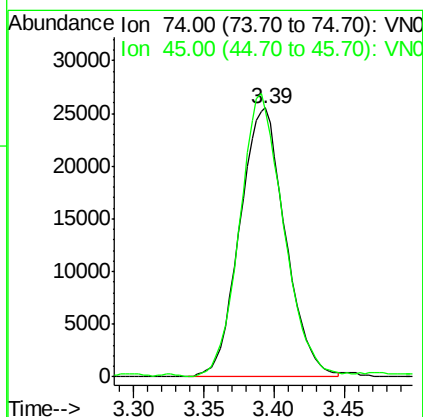
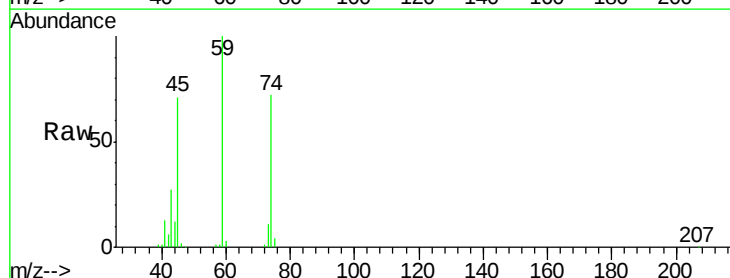
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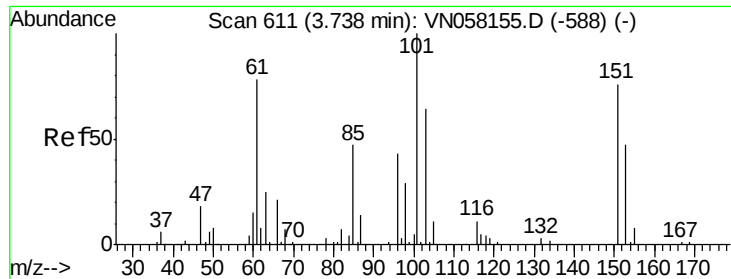


#8

Diethyl Ether
Concen: 12.829 ug/l
RT: 3.39 min Scan# 504
Delta R.T. 0.01 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

Tgt Ion: 74 Resp: 57621
Ion Ratio Lower Upper
74 100
45 102.1 48.5 145.5





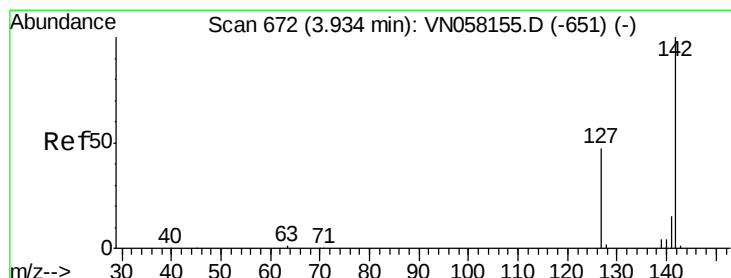
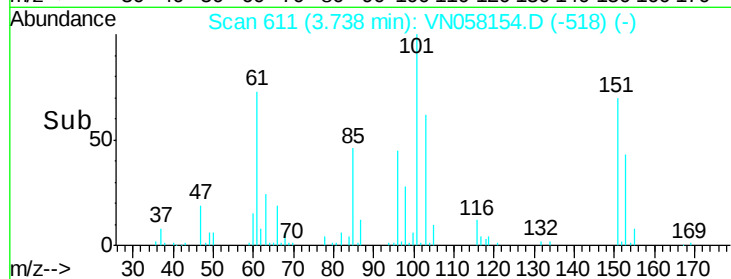
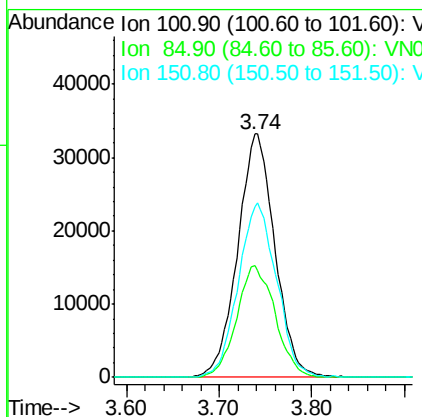
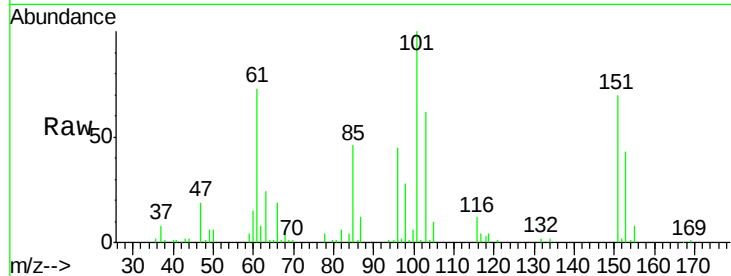
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 13.697 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
85	47.3	37.3	55.9
151	73.6	59.6	89.4

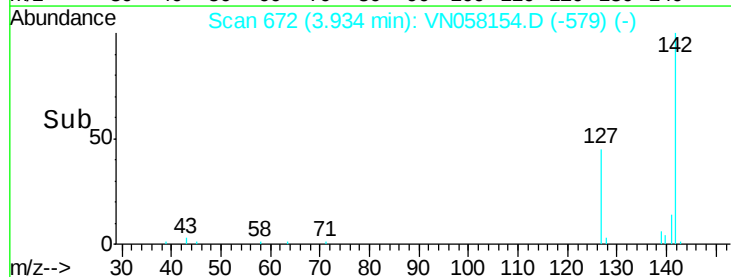
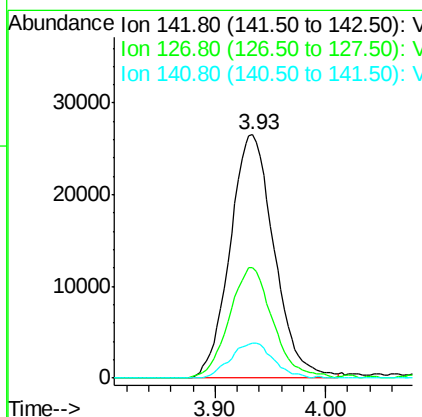
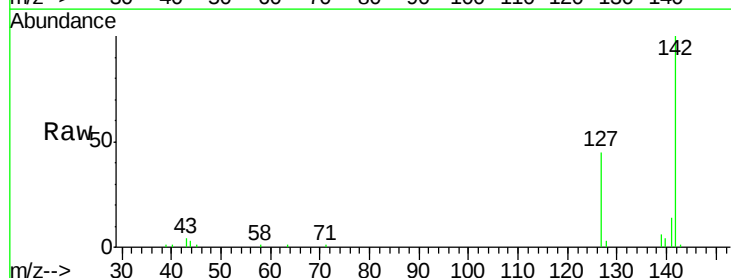
Manual Integrations
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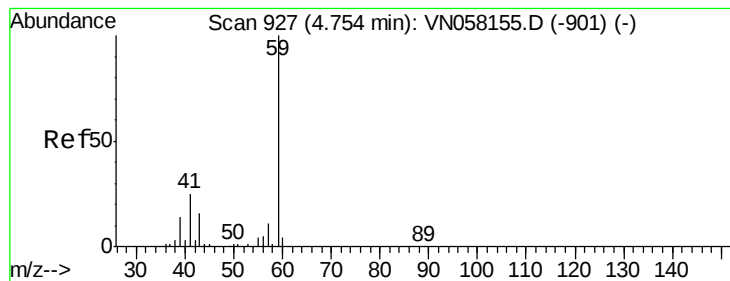
MMDadoda
 9/20/2019 1:14:19 PM



#10
 Methyl Iodide
 Concen: 10.278 ug/l
 RT: 3.93 min Scan# 672
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Tgt Ion	Ratio	Lower	Upper
142	100		
127	44.9	37.5	56.3
141	14.0	11.4	17.2





#11

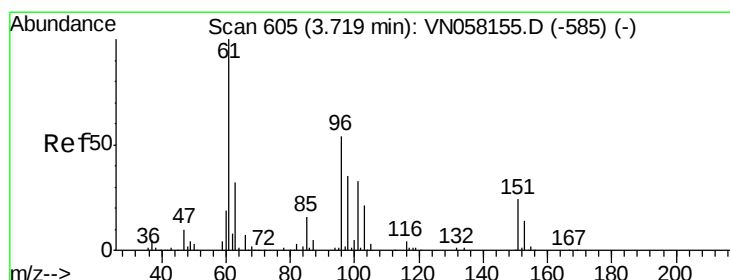
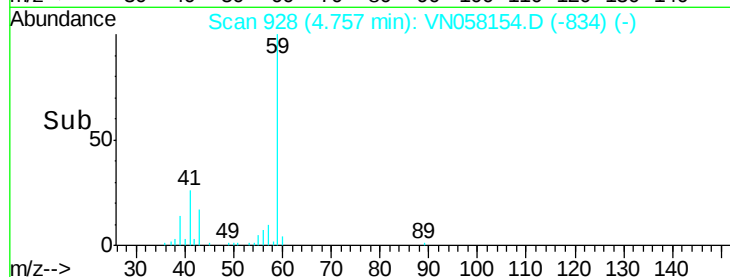
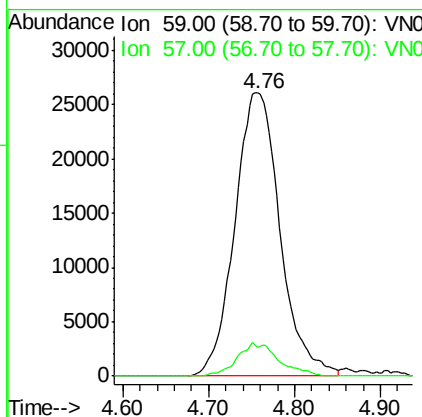
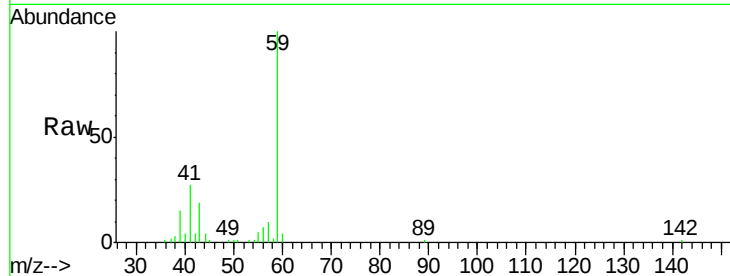
Tert butyl alcohol
 Concen: 69.643 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	59	Resp	95412
Ion Ratio	100	Lower	Upper
57	5.5	8.6	13.0#

Manual Integrations
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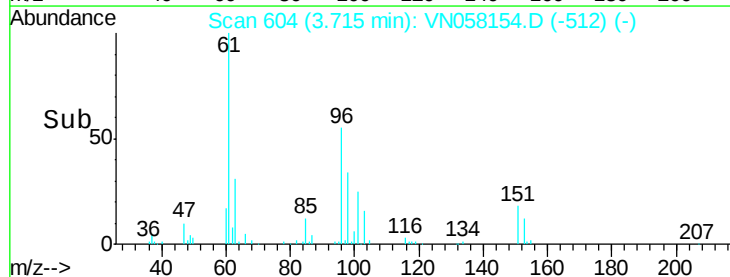
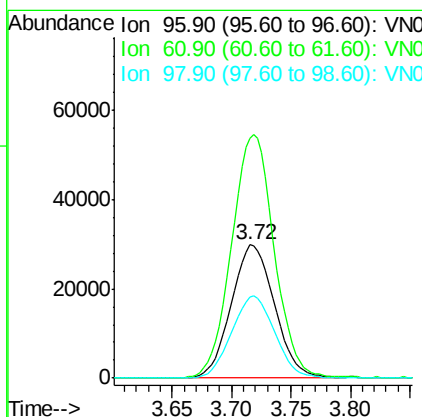
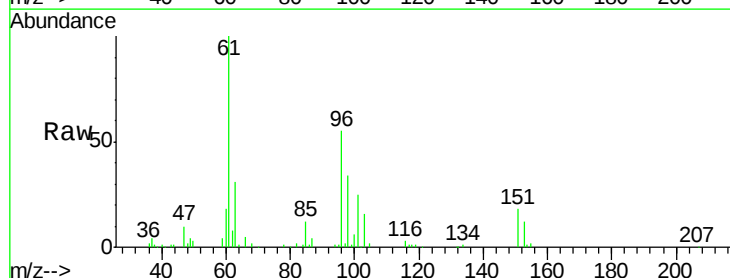
MMDadoda
 9/20/2019 1:14:19 PM

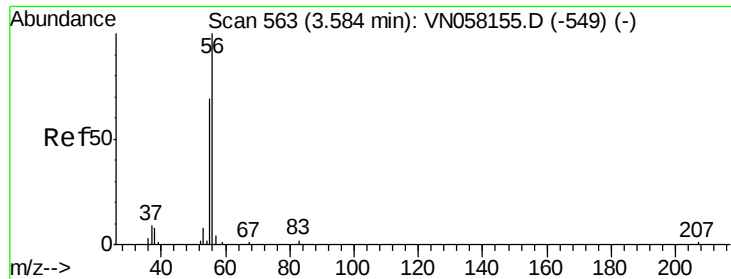


#12

1,1-Dichloroethene
 Concen: 12.435 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Tgt Ion	96	Resp	75284
Ion Ratio	100	Lower	Upper
61	179.9	149.5	224.3
98	60.9	52.4	78.6





#13

Acrolein

Concen: 12.664 ug/l

RT: 3.59 min Scan# 565

Delta R.T. 0.01 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 13119

Ion Ratio Lower Upper

56 100

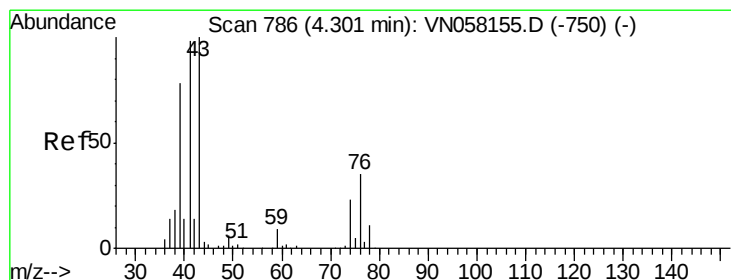
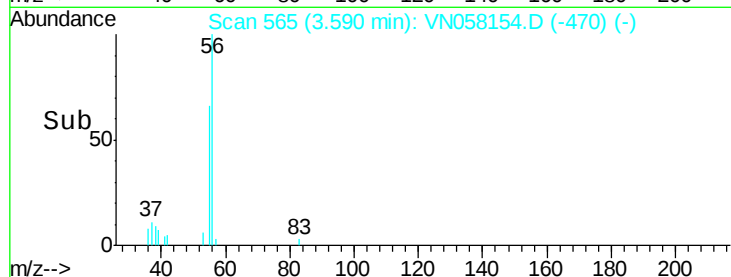
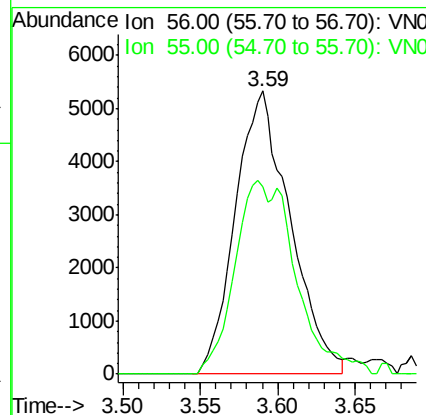
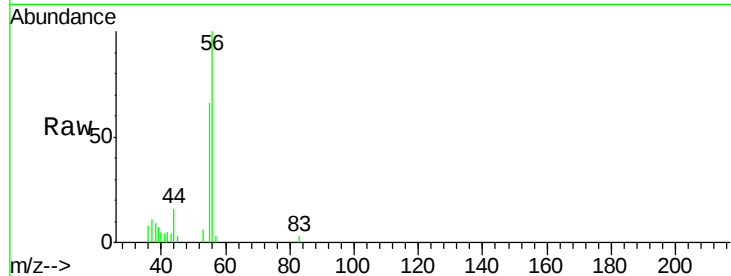
55 40.8 56.1 84.1#

Manual Integrations

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#14

Allyl chloride

Concen: 12.306 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

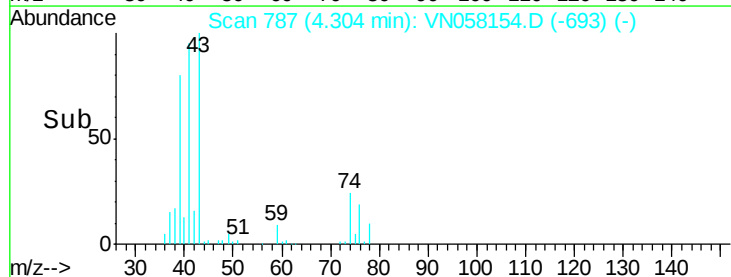
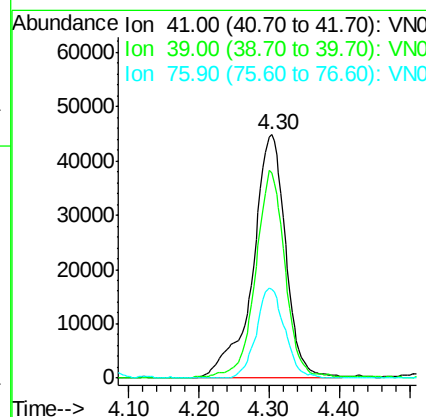
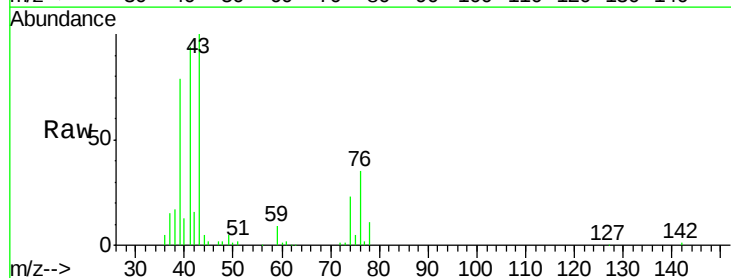
Tgt Ion: 41 Resp: 146514

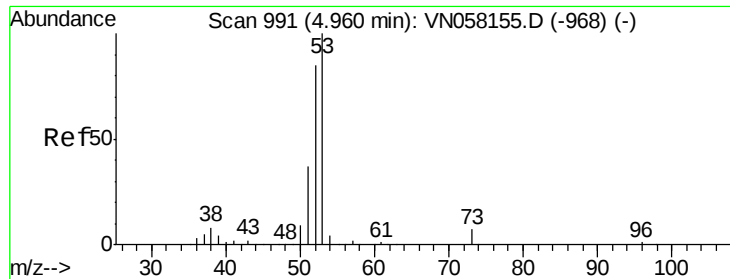
Ion Ratio Lower Upper

41 100

39 73.5 59.1 88.7

76 31.4 25.1 37.7





#15

Acrylonitrile

Concen: 68.573 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

Instrument :

MSVOA_N

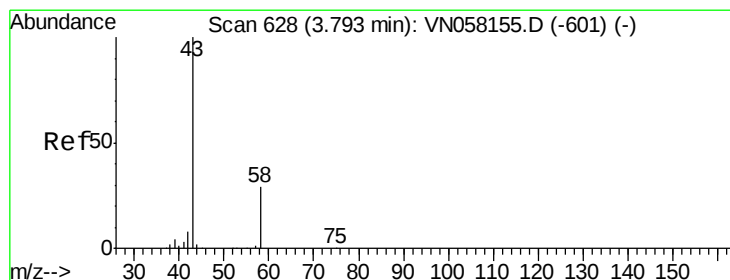
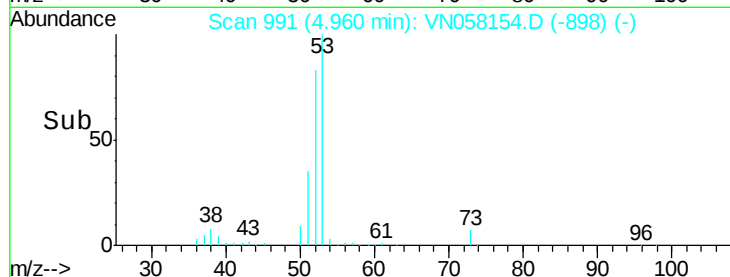
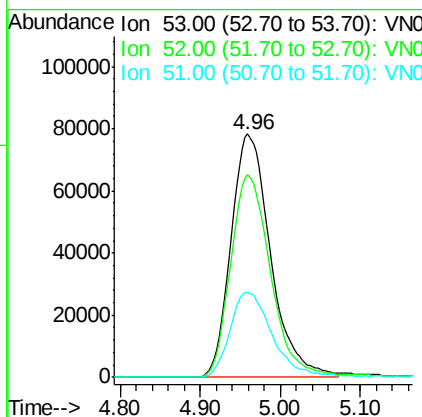
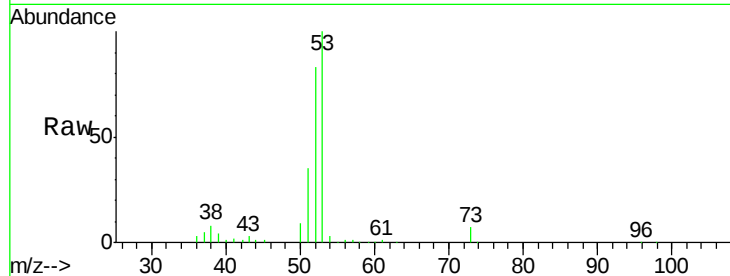
ClientSampled :

VSTDIC020

Tot Ion:	53	Resp:	263852
Ion	Ratio	Lower	Upper
53	100		
52	83.7	66.6	100.0
51	37.2	29.7	44.5

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#16

Acetone

Concen: 73.158 ug/l

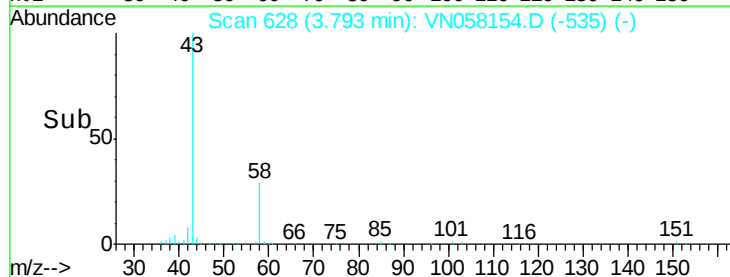
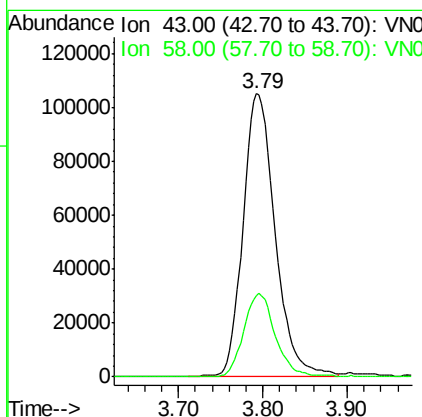
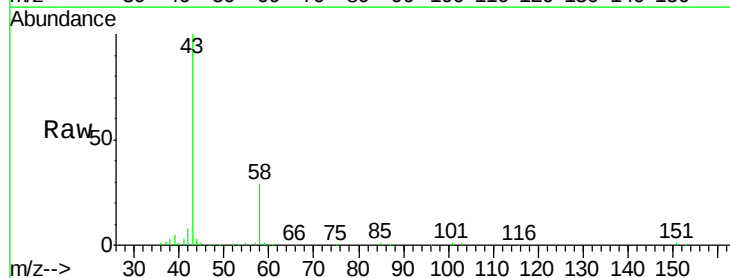
RT: 3.79 min Scan# 628

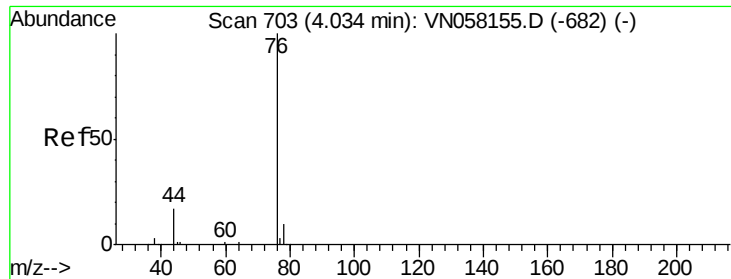
Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

Tgt Ion:	43	Resp:	276694
Ion	Ratio	Lower	Upper
43	100		
58	28.8	23.4	35.2





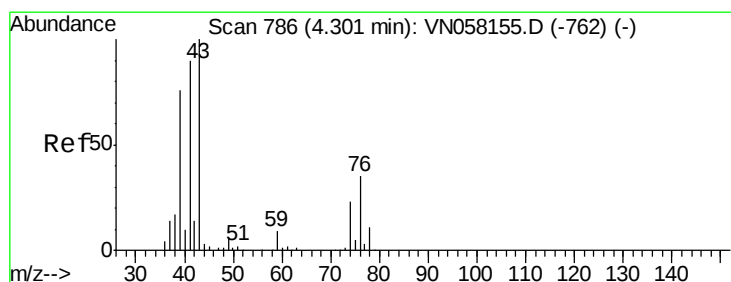
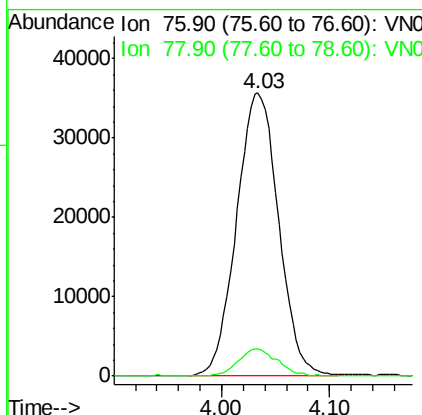
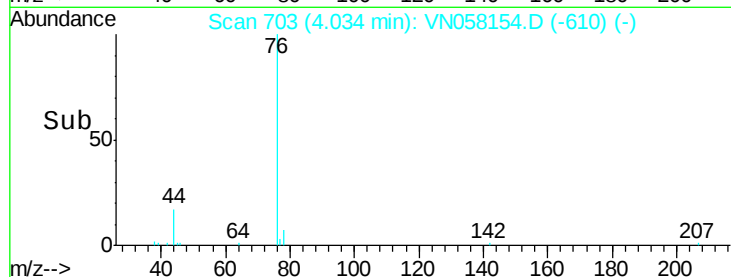
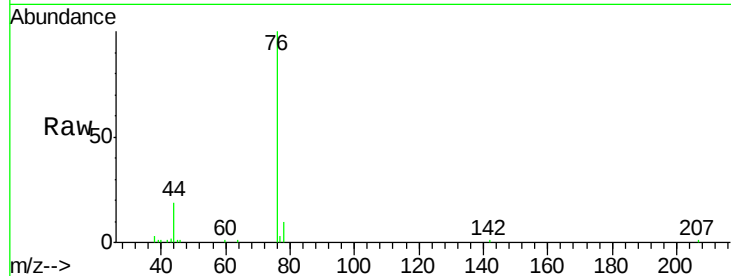
#17
Carbon Disulfide
Concen: 8.765 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 76 Resp: 96733
Ion Ratio Lower Upper
76 100
78 9.8 7.7 11.5

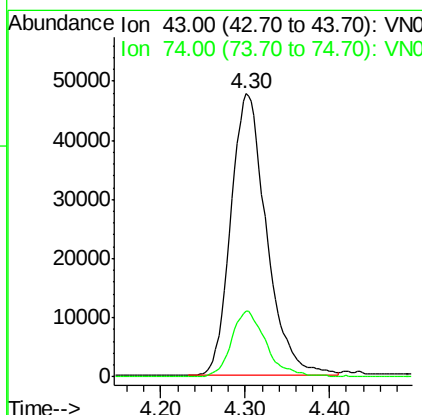
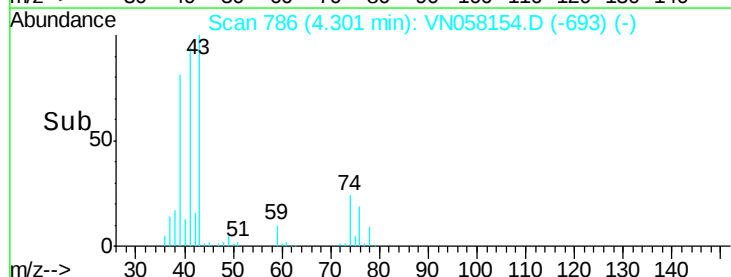
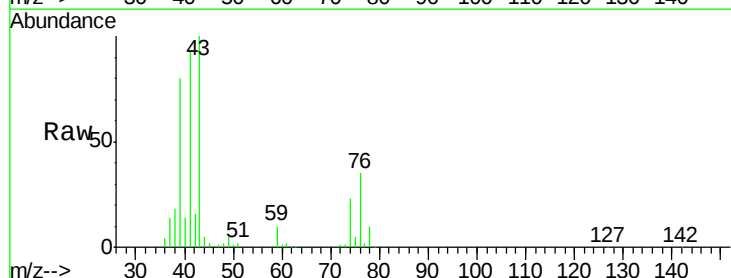
Manual Integrations
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#18
Methyl Acetate
Concen: 13.897 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

Tgt Ion: 43 Resp: 140672
Ion Ratio Lower Upper
43 100
74 22.6 18.0 27.0





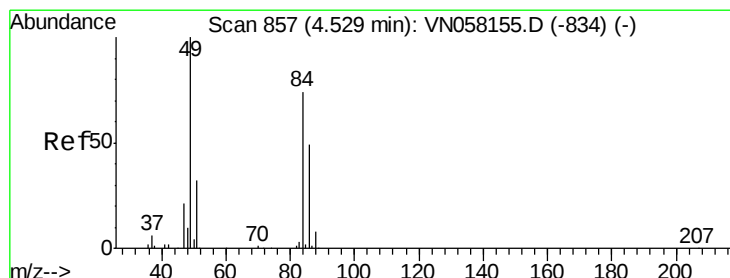
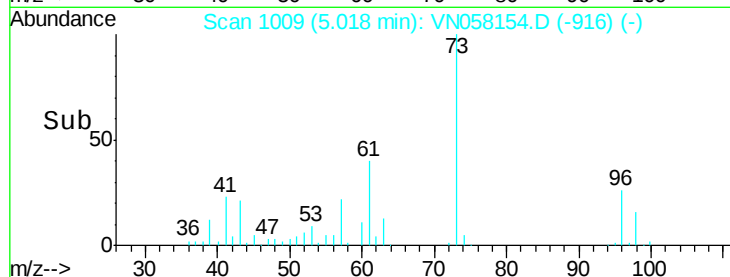
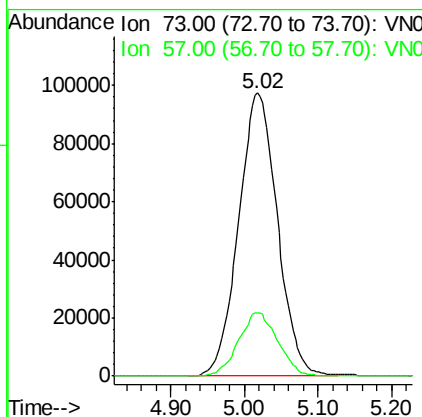
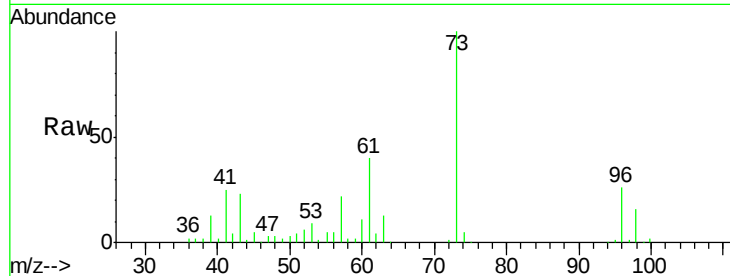
#19
Methvl tert-butvl Ether
Concen: 14.069 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 356388
Ion Ratio Lower Upper
73 100
57 22.2 18.1 27.1

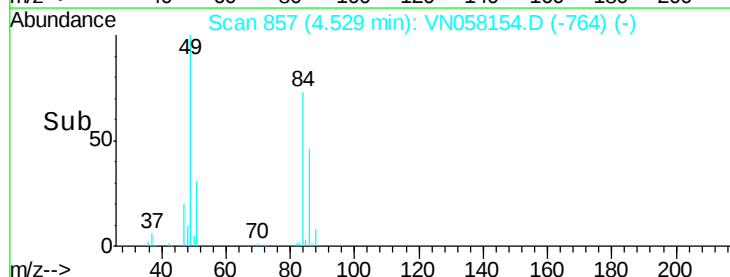
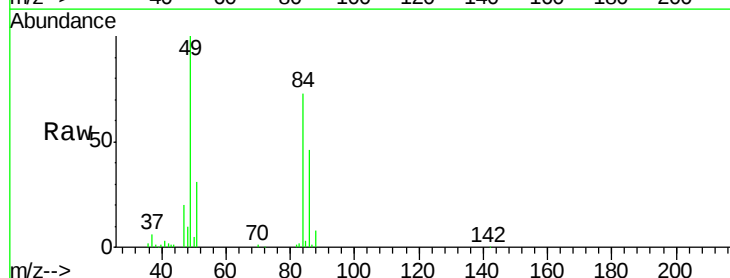
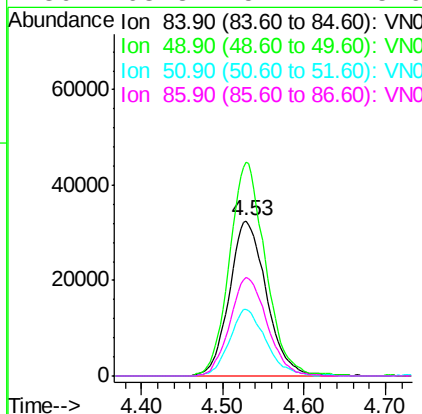
Manual Integrations
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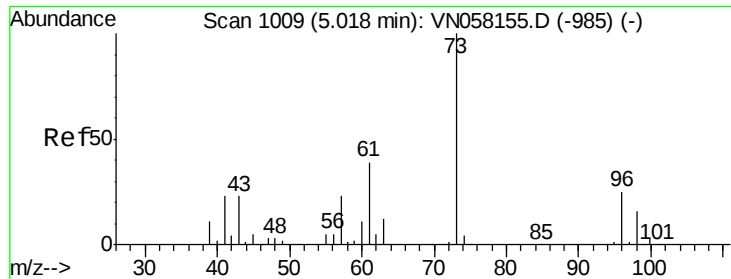
MMDadoda
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#20
Methylene Chloride
Concen: 12.495 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

Tgt Ion: 84 Resp: 102719
Ion Ratio Lower Upper
84 100
49 137.8 107.5 161.3
51 43.0 33.9 50.9
86 63.3 52.4 78.6





#21

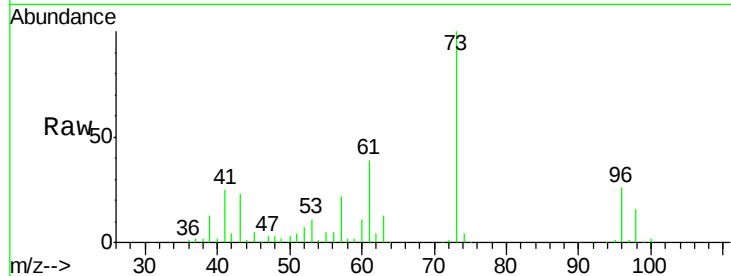
trans-1,2-Dichloroethene
Concen: 12.261 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.1	122.2	183.4
98	61.4	49.9	74.9

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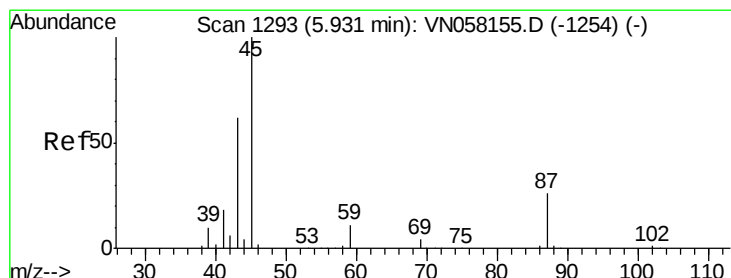
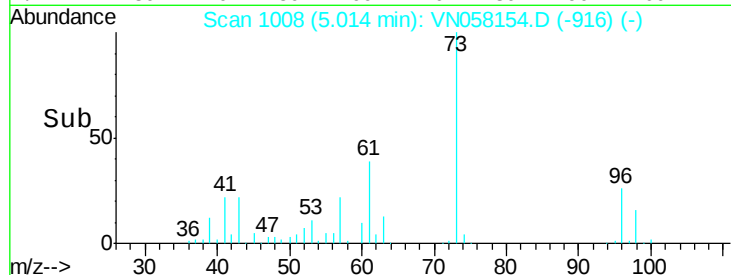
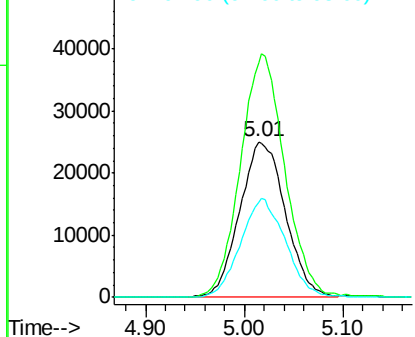


Abundance

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: 14.003 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.1	49.7	74.5
87	25.9	20.7	31.1
59	10.6	9.1	13.7

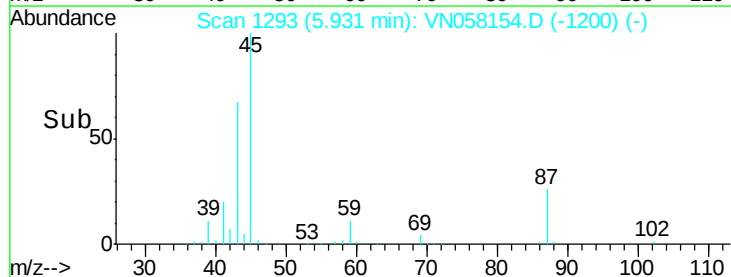
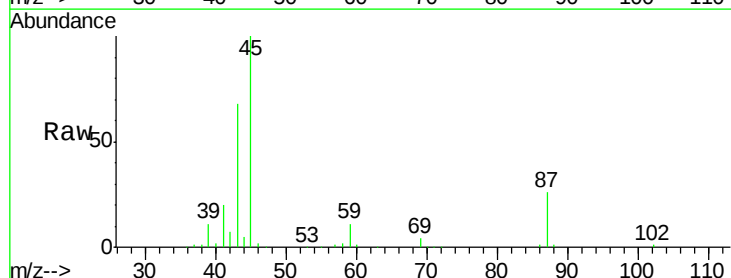
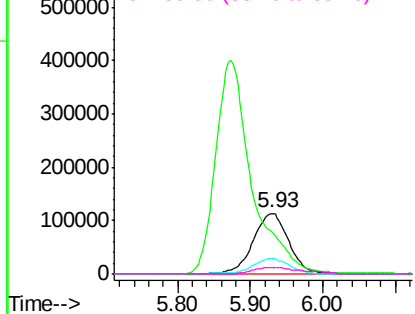
Abundance

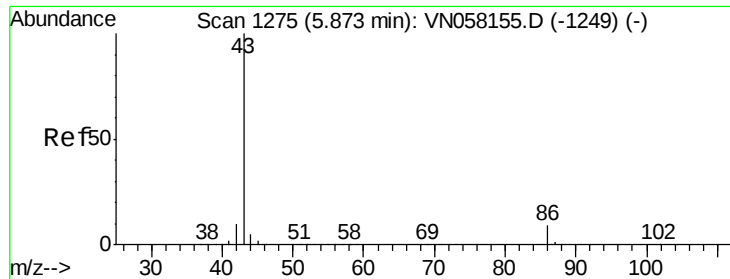
Ion 45.00 (44.70 to 45.70): VNO

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





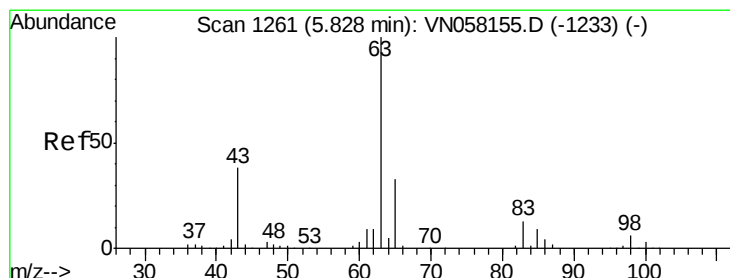
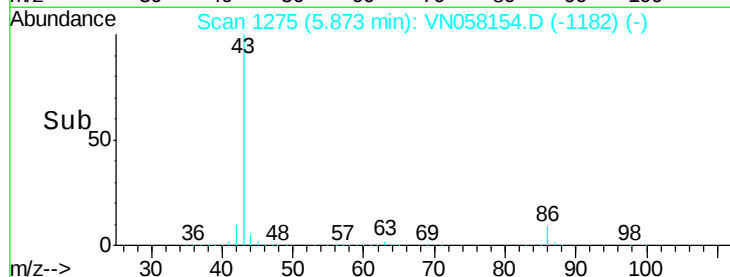
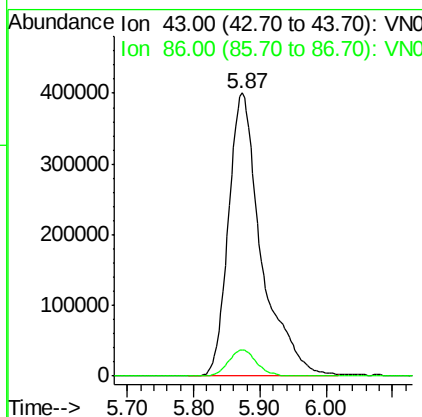
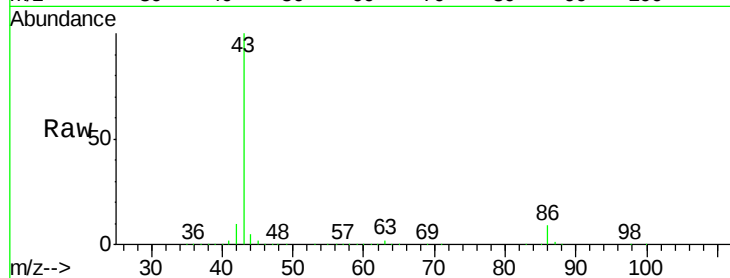
#23
 Vinyl Acetate
 Concen: 70.389 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 43 Resp: 1384687
 Ion Ratio Lower Upper
 43 100
 86 9.2 7.4 11.2

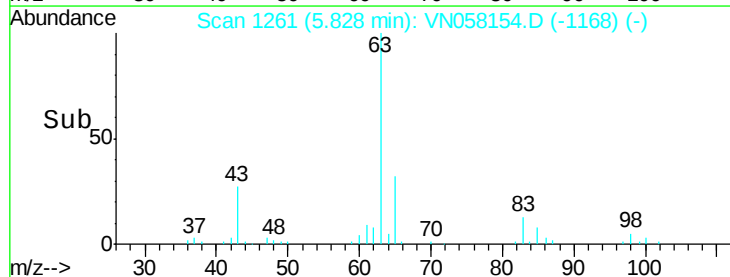
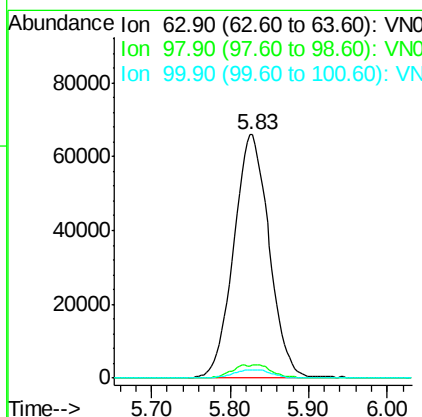
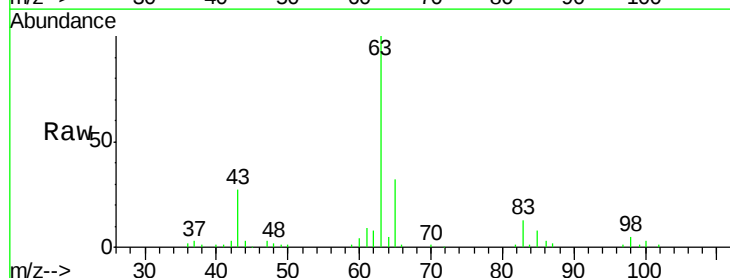
Manual Integrations
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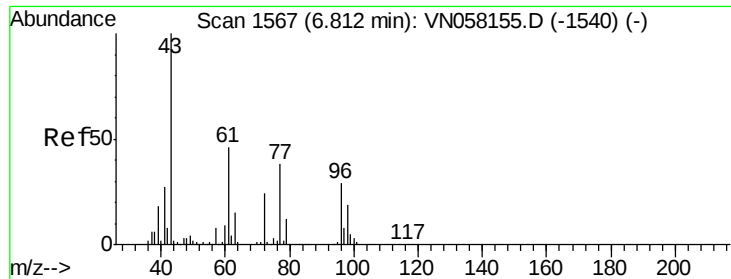
MMDadoda
 9/20/2019 1:14:19 PM



#24
 1,1-Dichloroethane
 Concen: 13.659 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Tgt Ion: 63 Resp: 208116
 Ion Ratio Lower Upper
 63 100
 98 5.4 2.9 8.6
 100 3.5 1.8 5.3





#25

2-Butanone

Concen: 69.792 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 382334

Ion Ratio Lower Upper

43 100

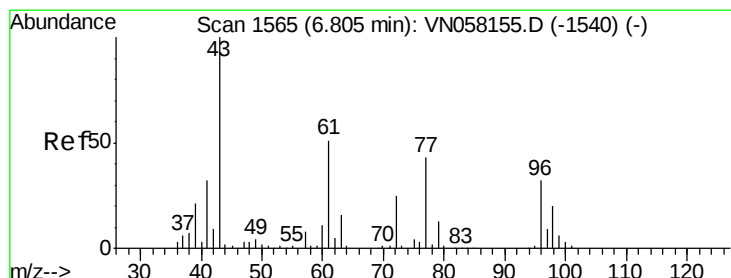
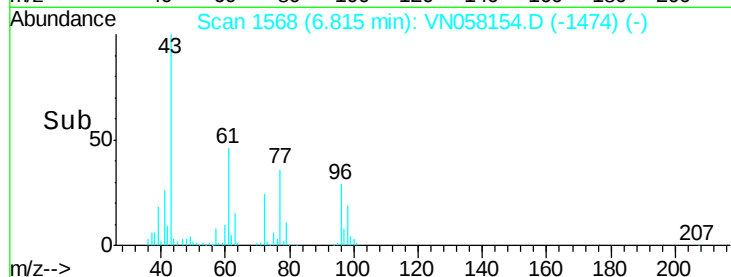
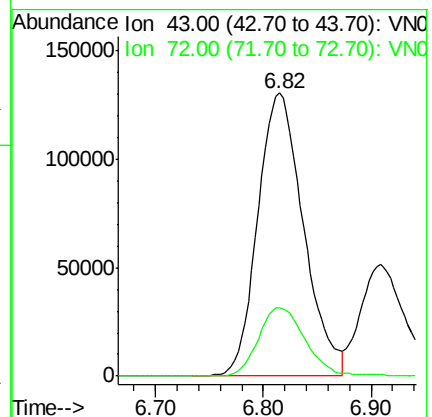
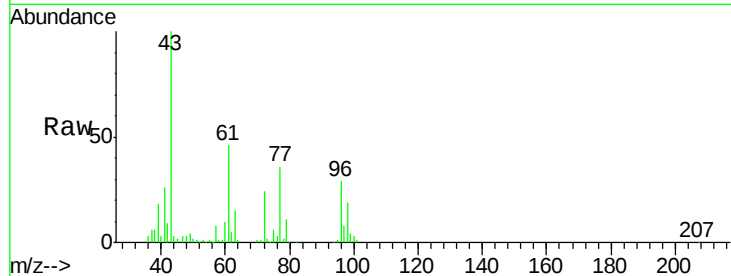
72 24.0 19.5 29.3

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#26

2,2-Dichloropropane

Concen: 14.055 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058154.D

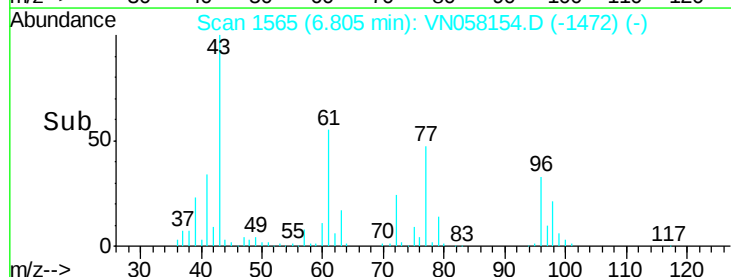
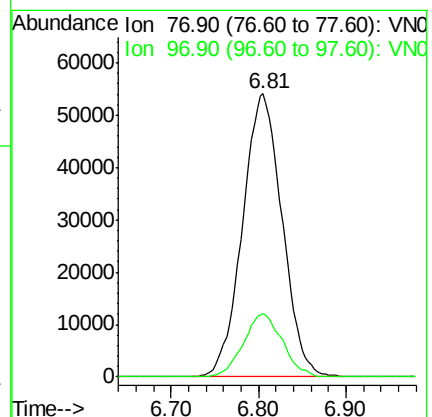
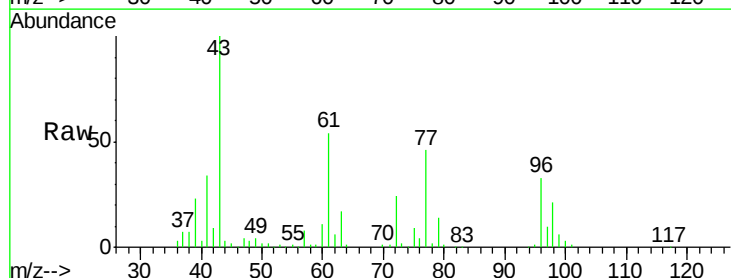
Acq: 18 Sep 2019 10:05

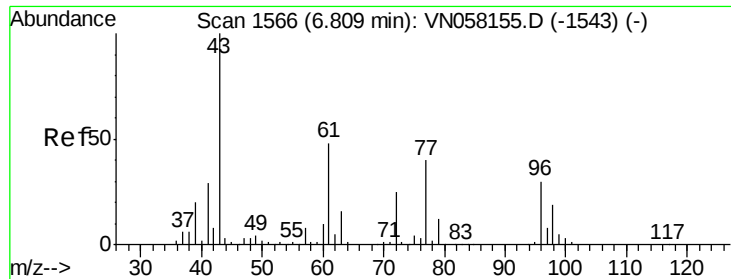
Tgt Ion: 77 Resp: 169944

Ion Ratio Lower Upper

77 100

97 21.9 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 13.099 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

Instrument :

MSVOA_N

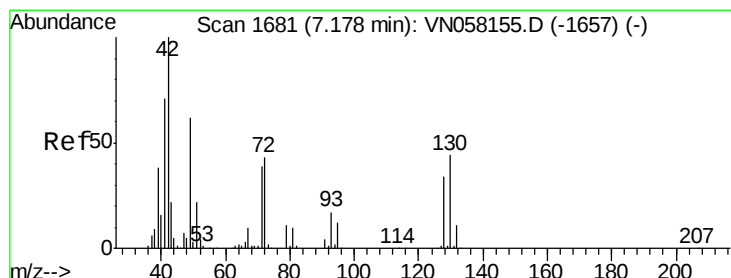
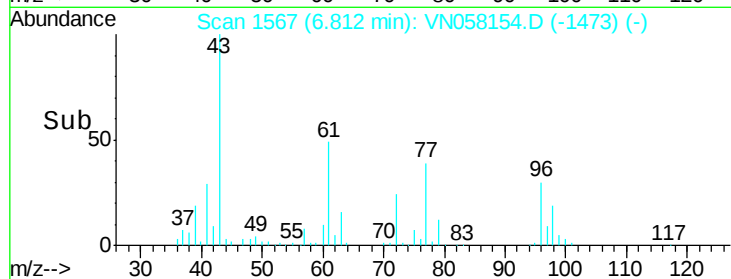
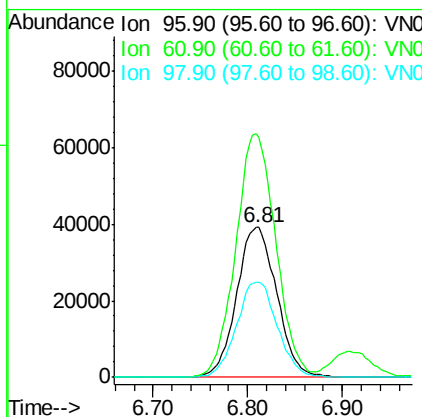
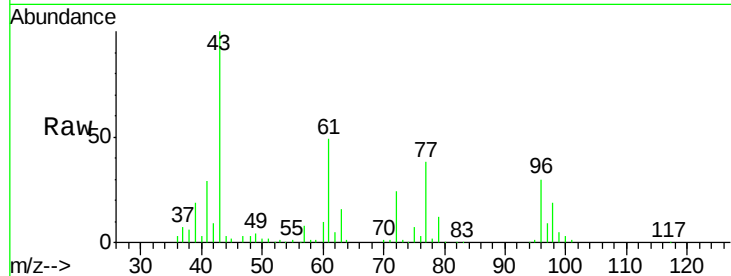
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	115458
Ion Ratio	Lower	Upper	
96	100		
61	162.0	0.0	319.0
98	64.6	0.0	126.6

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#28

Bromochloromethane

Concen: 11.937 ug/l

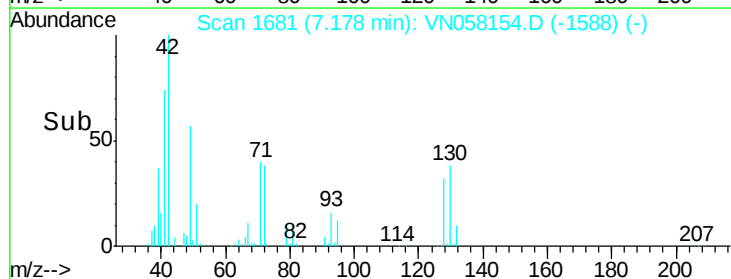
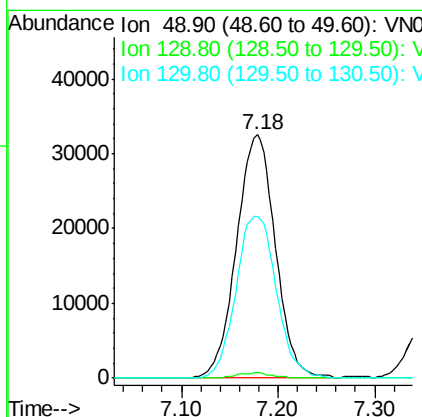
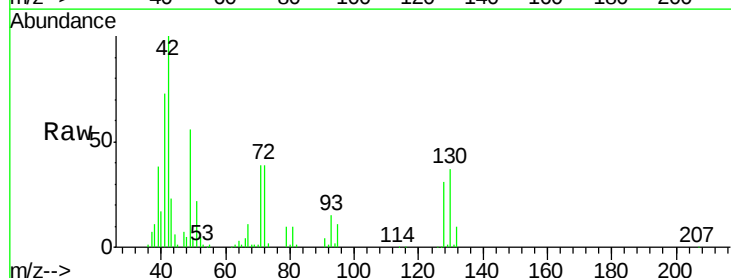
RT: 7.18 min Scan# 1681

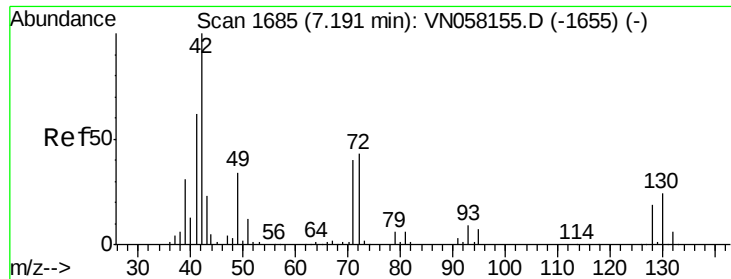
Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

Tgt Ion:	49	Resp:	90834
Ion Ratio	Lower	Upper	
49	100		
129	1.9	0.0	1.8#
130	69.1	55.4	83.2





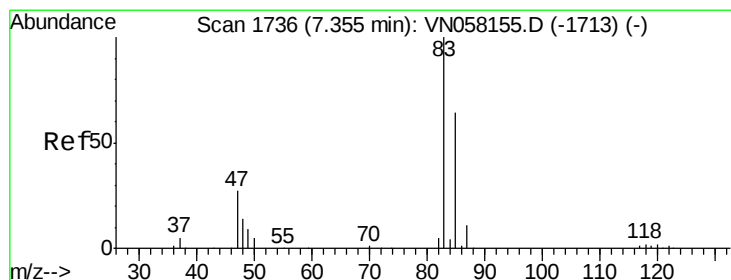
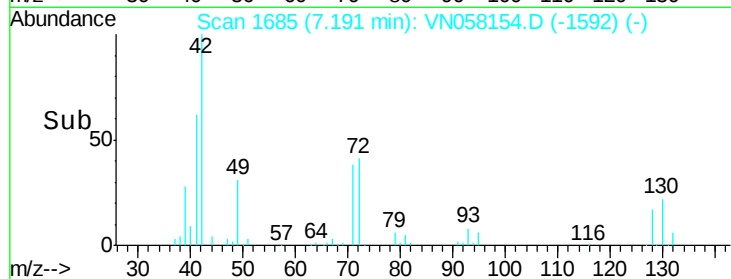
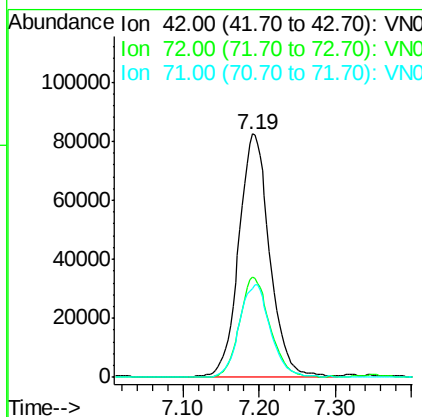
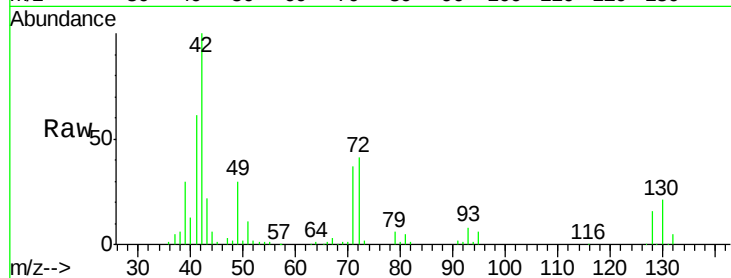
#29
Tetrahydrofuran
Concen: 69.158 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.4	33.8	50.6
71	38.2	31.4	47.0

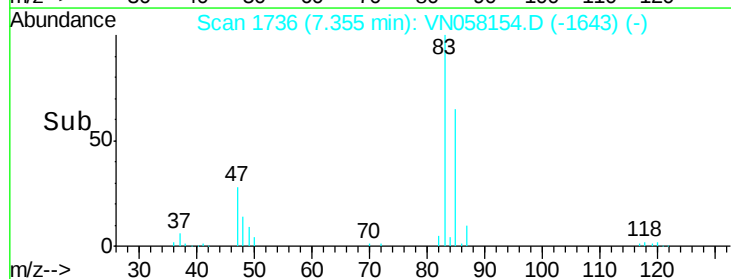
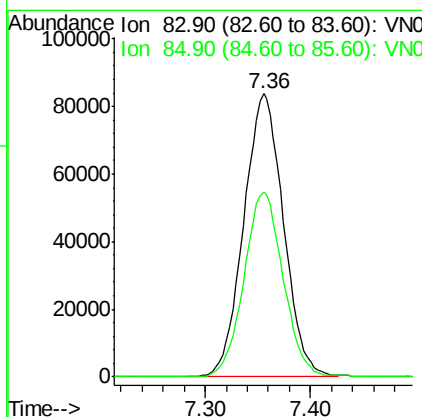
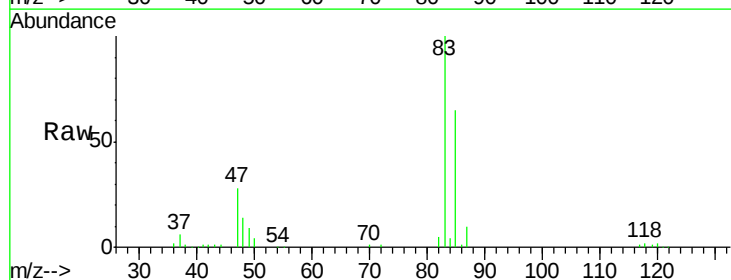
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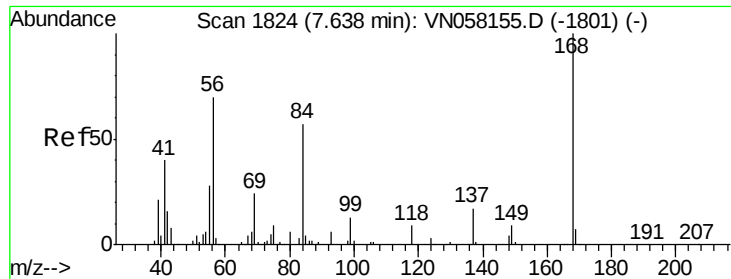
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#30
Chloroform
Concen: 13.725 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.4	77.2





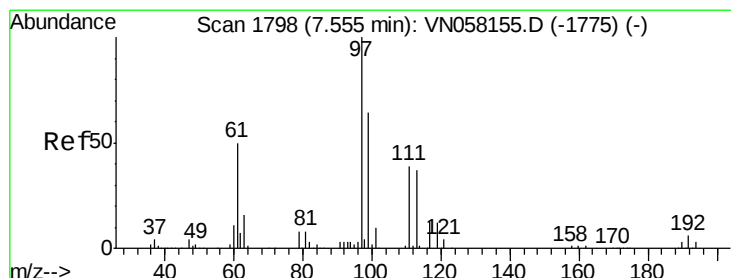
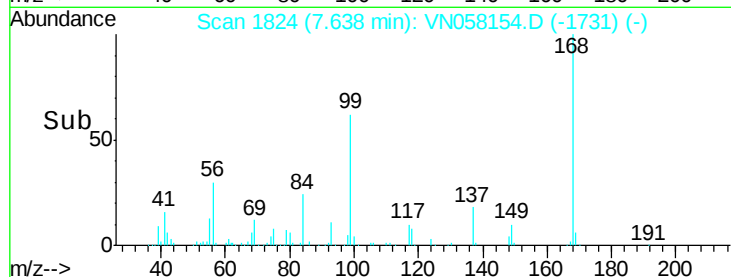
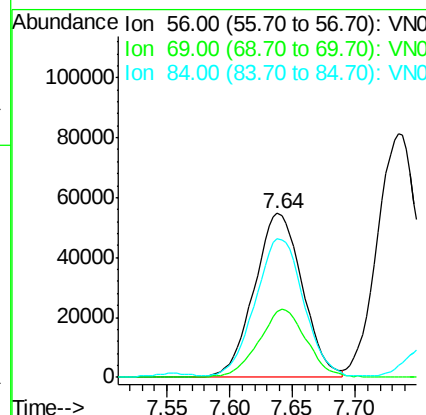
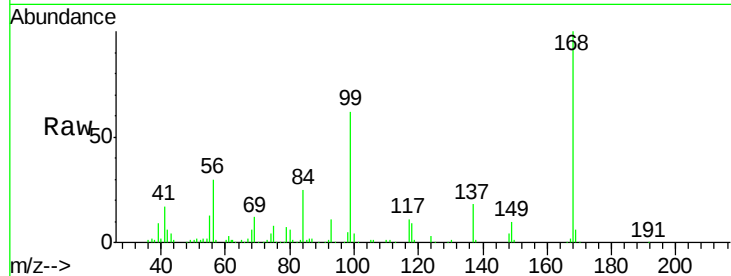
#31
Cyclohexane
Concen: 13.026 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.8	27.3	40.9
84	83.4	65.0	97.4

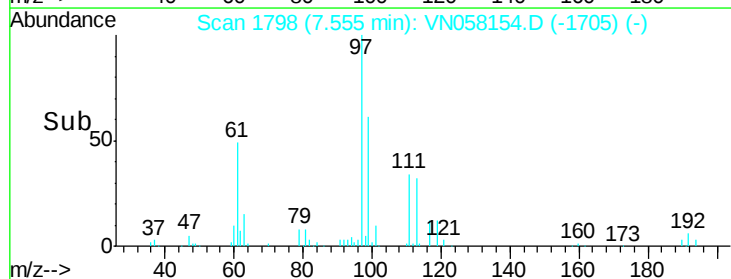
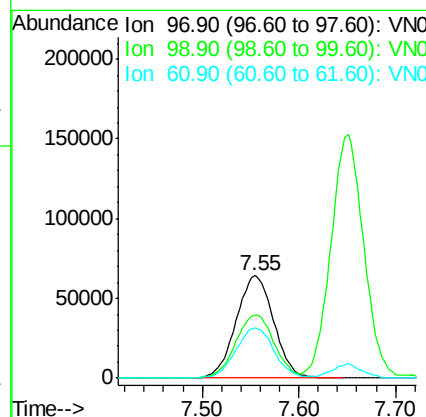
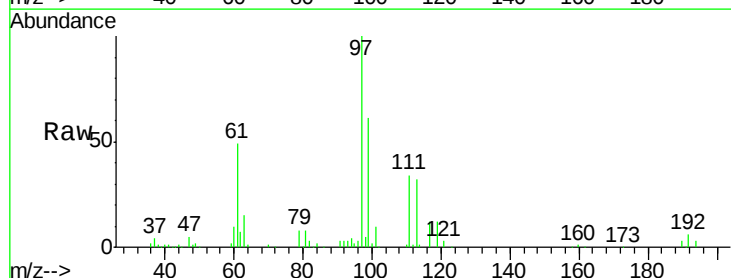
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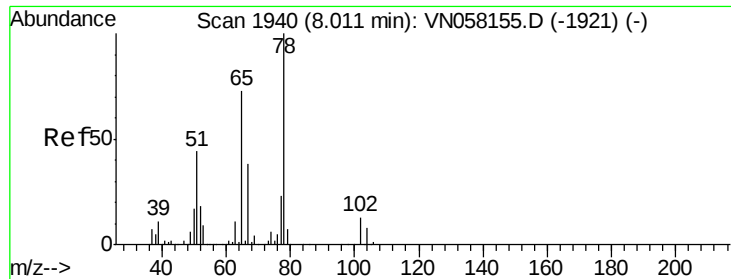
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#32
1,1,1-Trichloroethane
Concen: 13.724 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.0	50.9	76.3
61	49.4	39.2	58.8





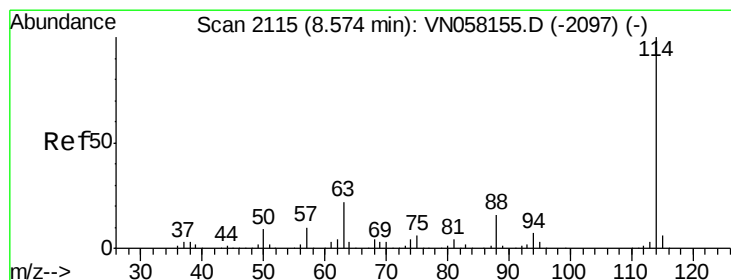
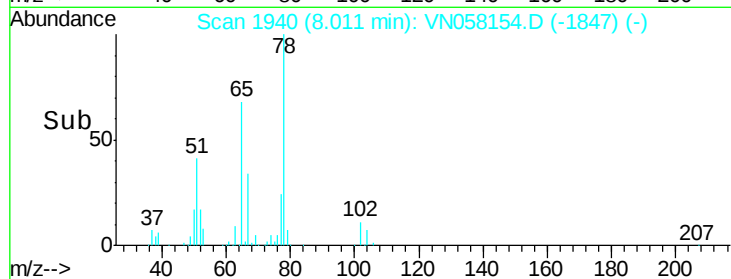
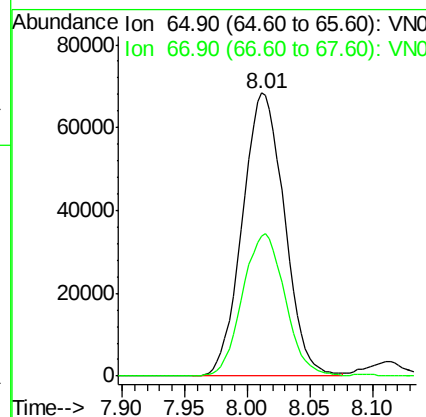
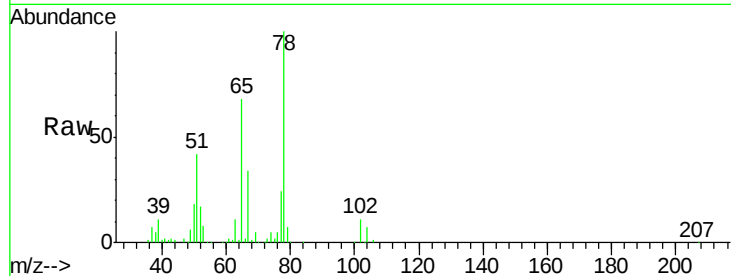
#33
 1,2-Dichloroethane-d4
 Concen: 13.872 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	159773		
67	50.9	0.0	103.4	

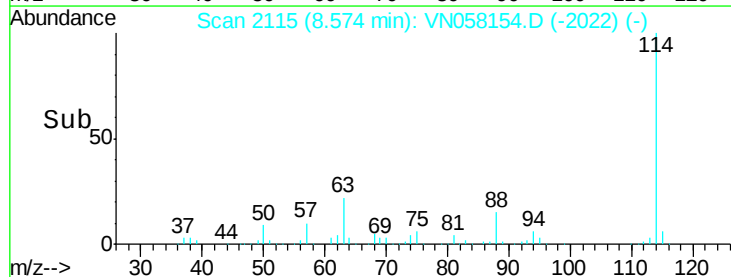
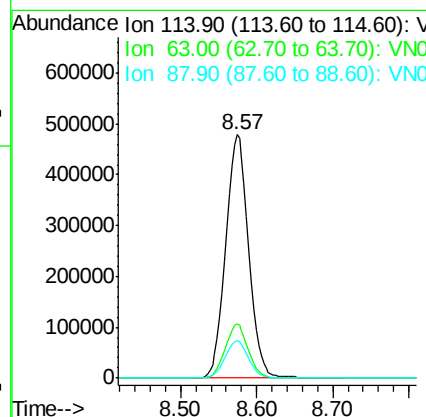
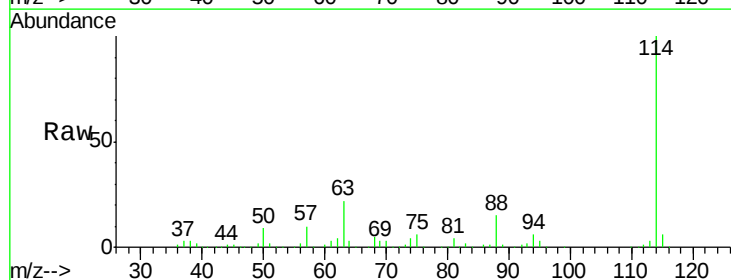
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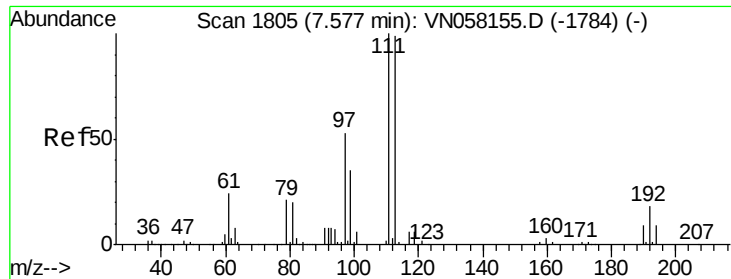
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1008309		
63	22.2	0.0	44.2	
88	15.5	0.0	31.6	





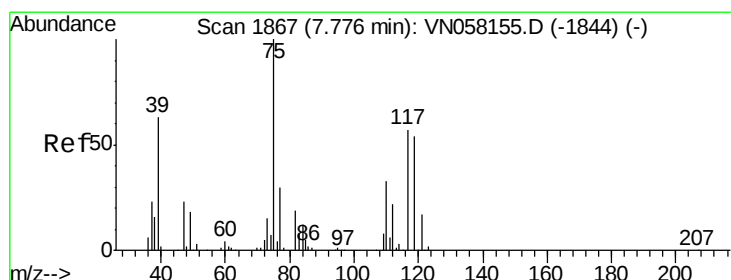
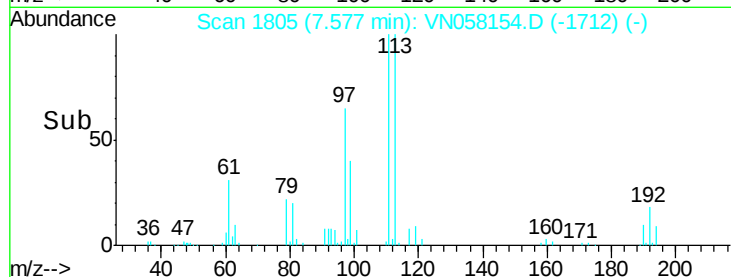
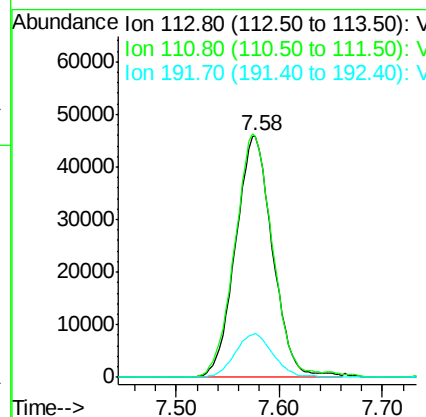
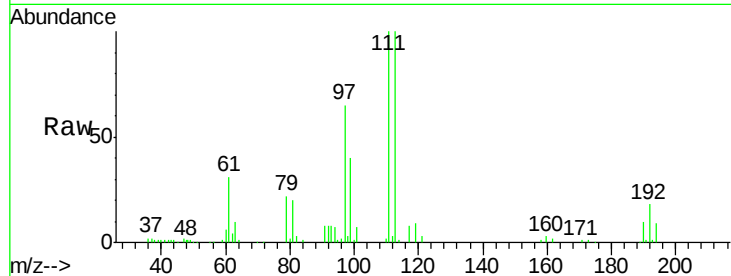
#35
 Dibromofluoromethane
 Concen: 13.151 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	114512		
111	102.3	81.8	122.6	
192	18.6	14.5	21.7	

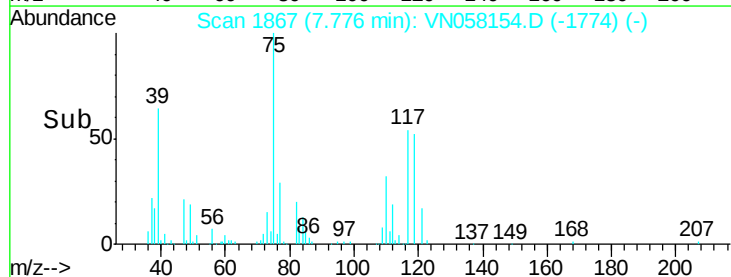
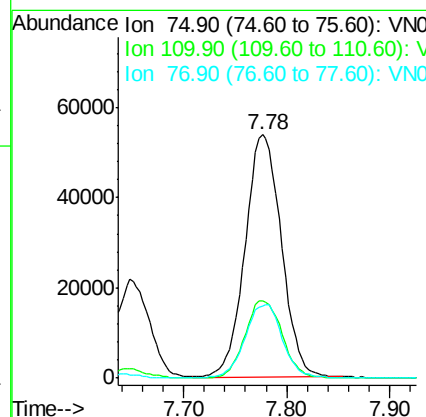
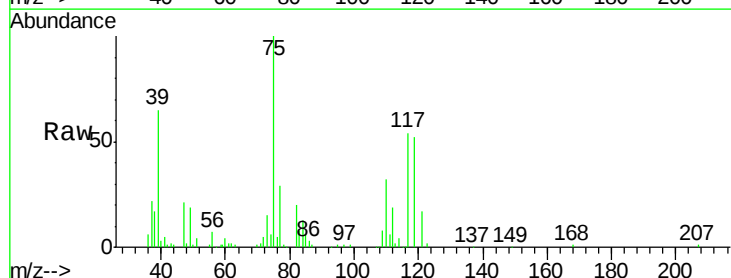
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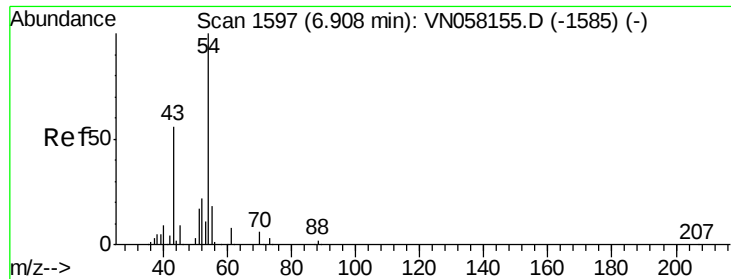
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#36
 1,1-Dichloropropene
 Concen: 12.047 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	132011		
110	32.8	16.6	49.7	
77	31.2	24.3	36.5	





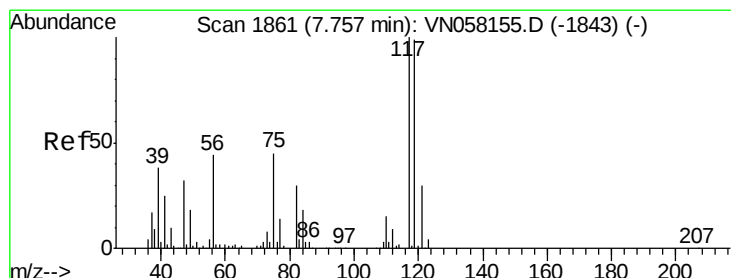
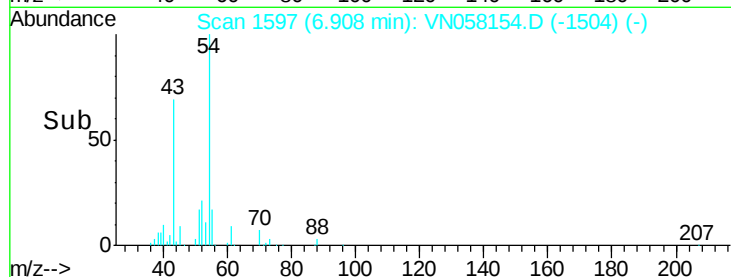
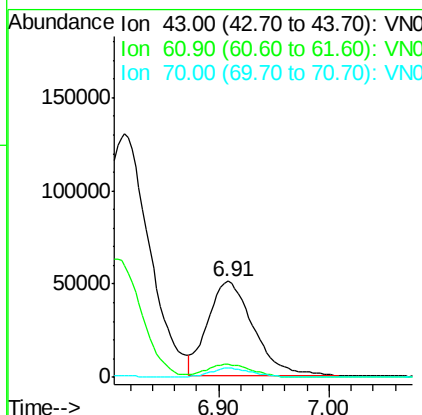
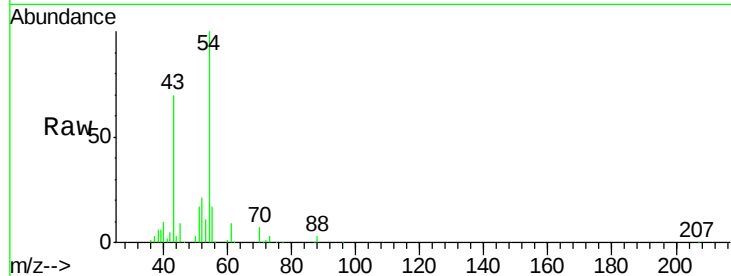
#37
Ethyl Acetate
Concen: 12.826 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.7	16.1
70	9.1	7.6	11.4

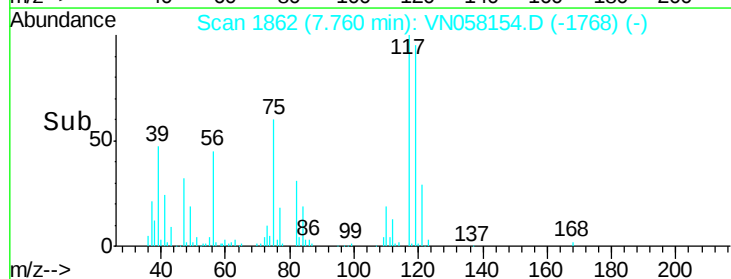
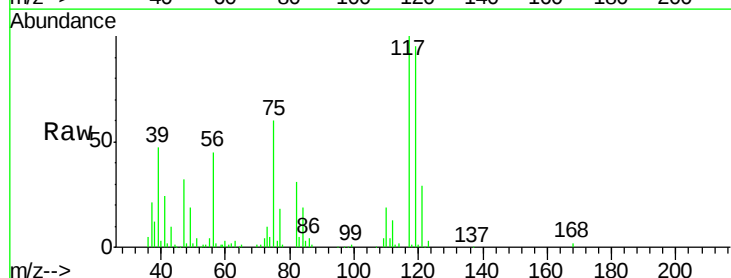
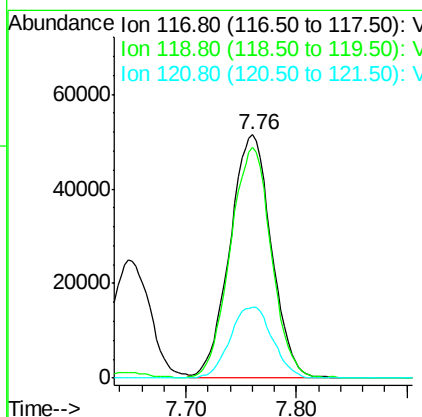
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#38
Carbon Tetrachloride
Concen: 13.293 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	78.6	117.8
121	29.2	24.1	36.1





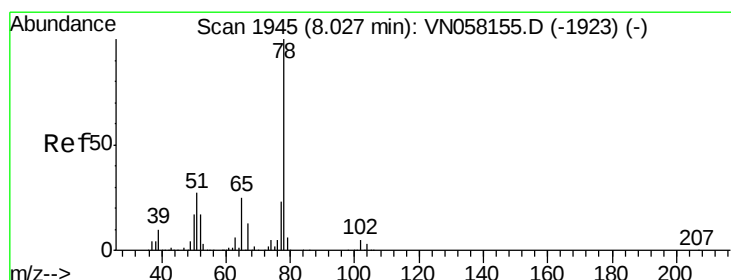
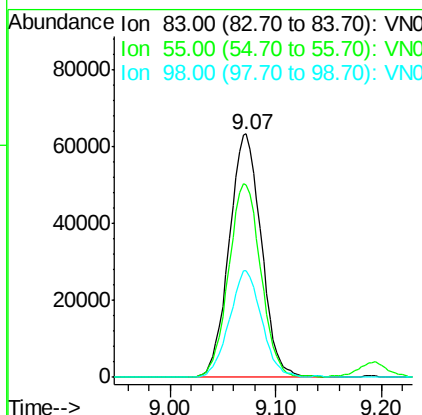
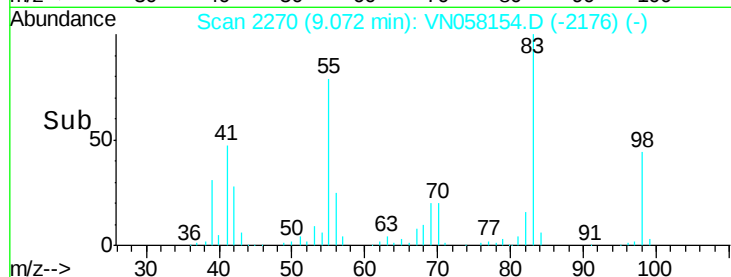
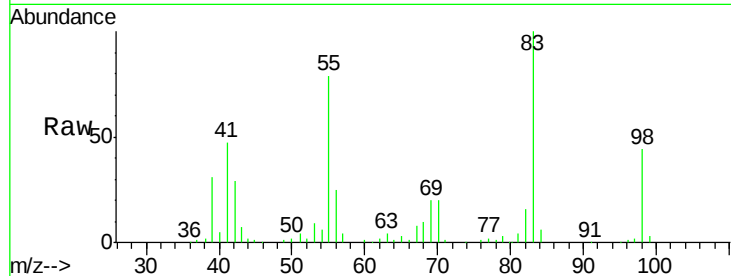
#39
Methvlcvclohexane
Concen: 11.638 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	79.2	61.9	92.9	
98	43.9	35.4	53.2	

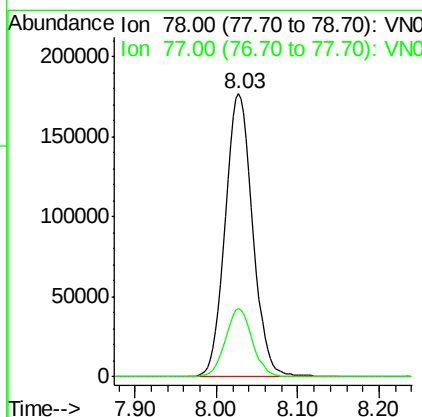
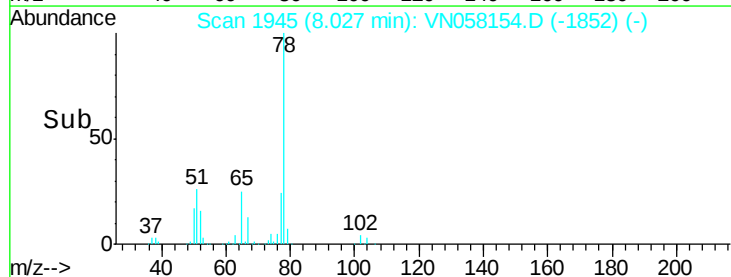
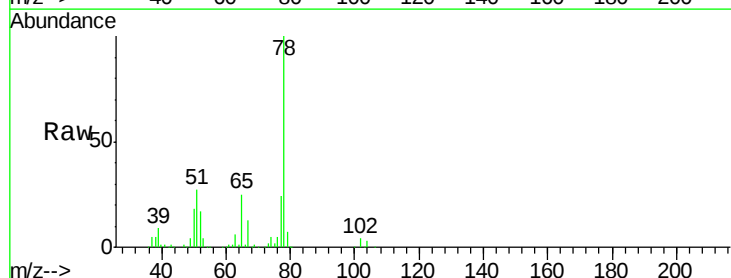
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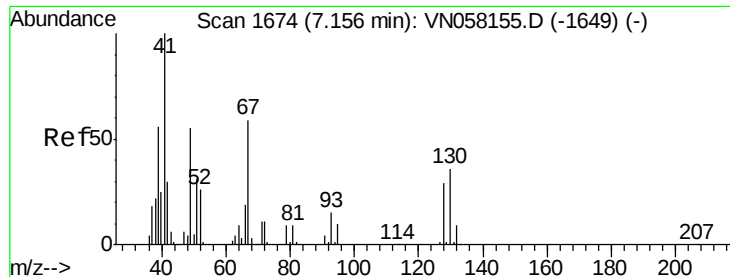
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#40
Benzene
Concen: 12.738 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.1	18.8	28.2	





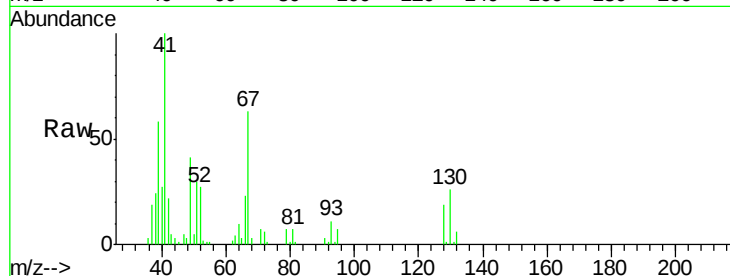
#41
Methacrylonitrile
Concen: 12.578 ug/l m
RT: 7.15 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

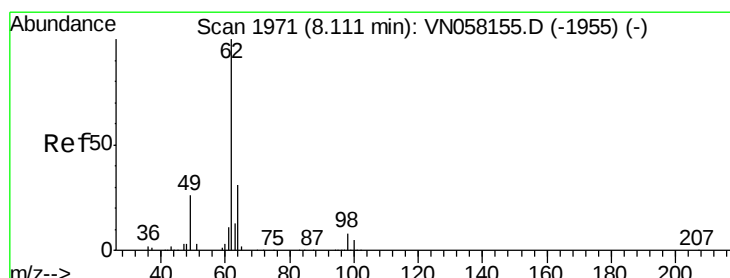
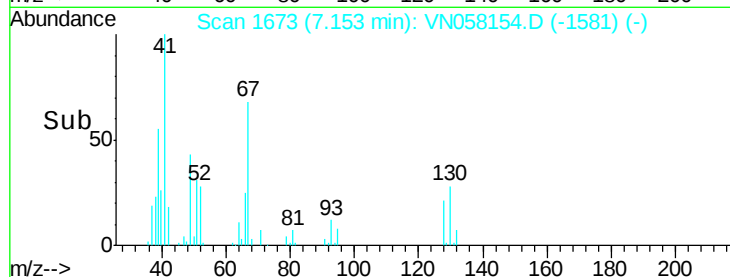
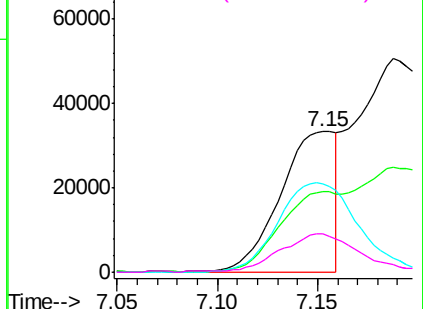
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Manual Integrations
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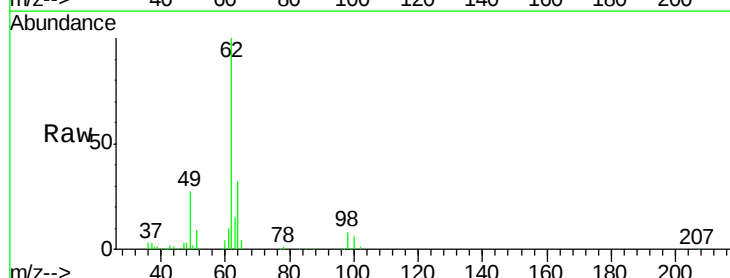


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

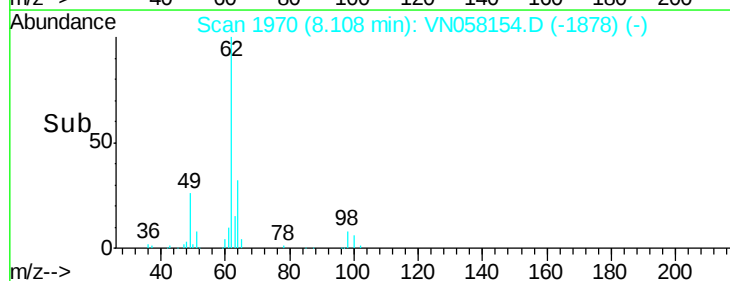
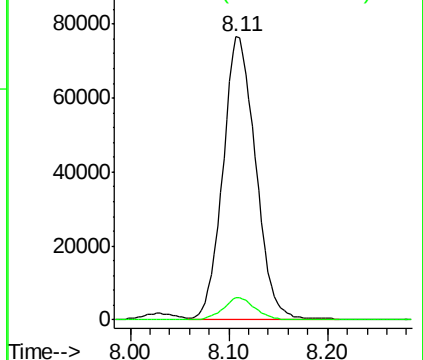


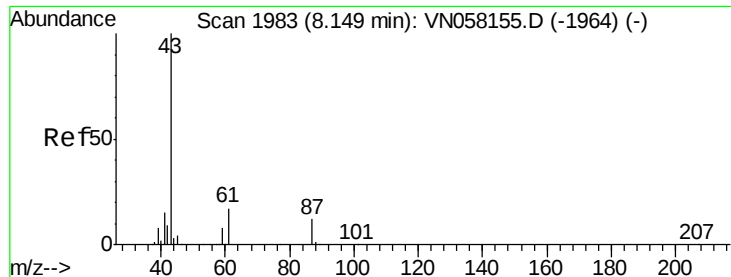
#42
1,2-Dichloroethane
Concen: 13.317 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	15.6



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

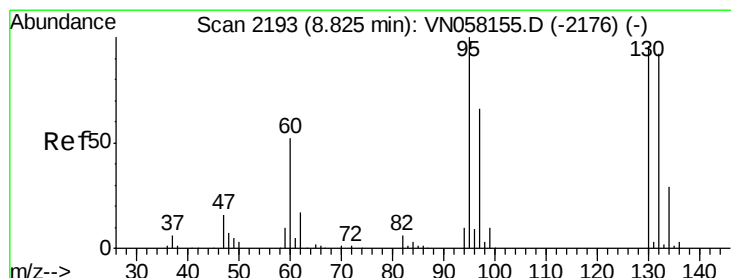
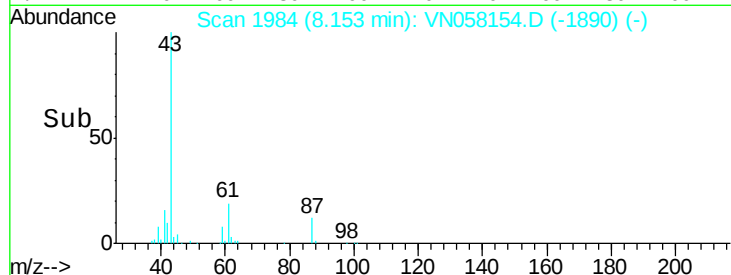
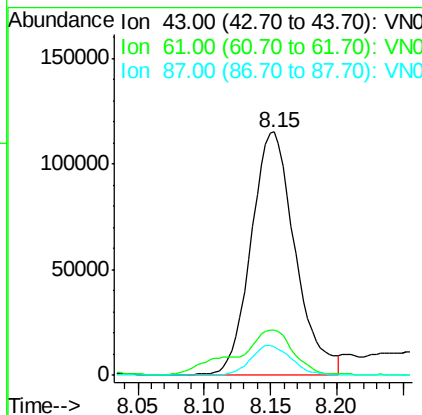
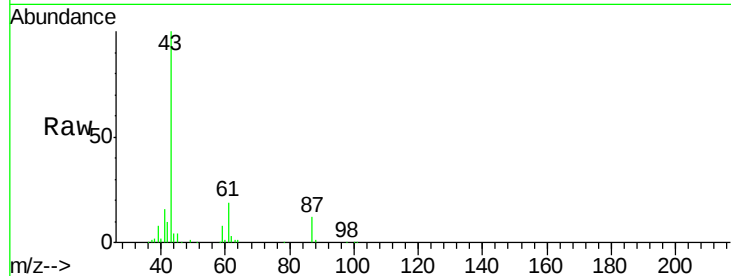
Isopropyl Acetate
 Concen: 13.818 ug/l
 RT: 8.15 min Scan# 1984
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.4	19.7	29.5#
87	11.5	9.4	14.2

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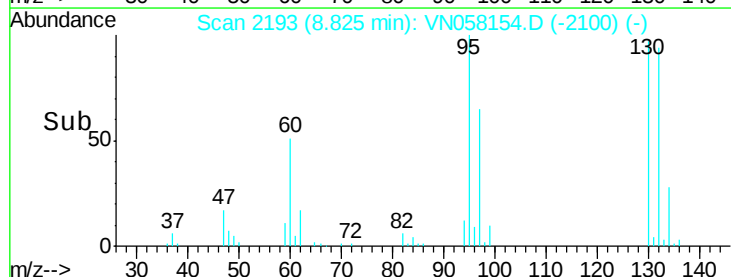
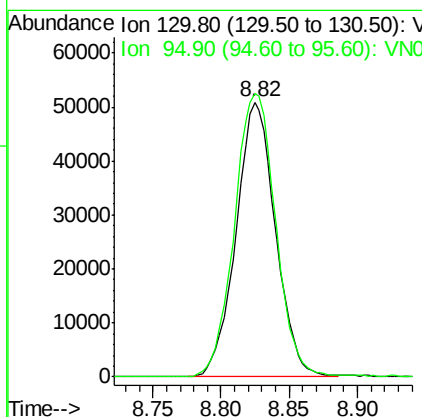
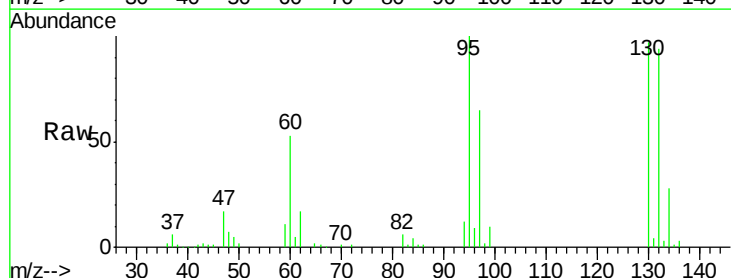
MMDadoda
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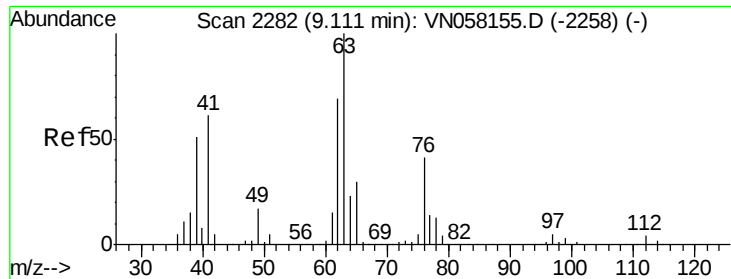


#44

Trichloroethene
 Concen: 12.573 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.0	0.0	207.8





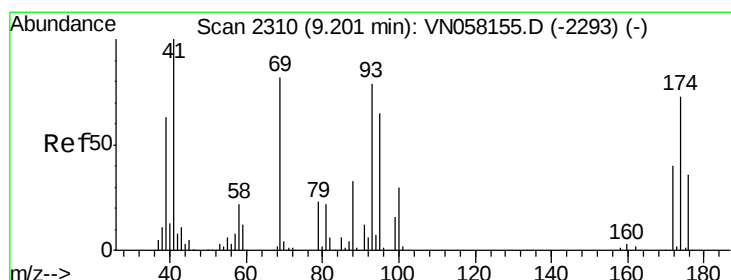
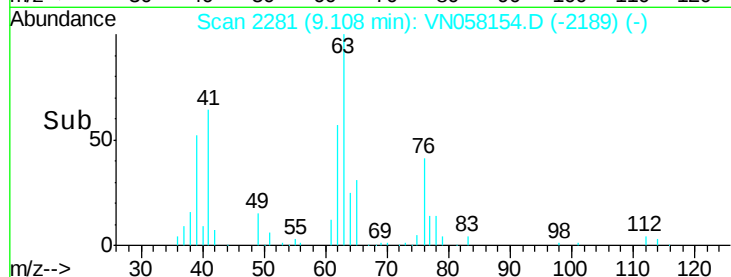
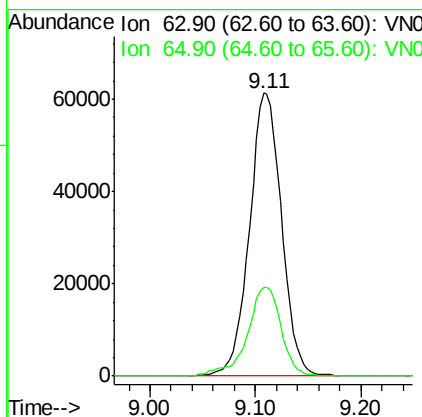
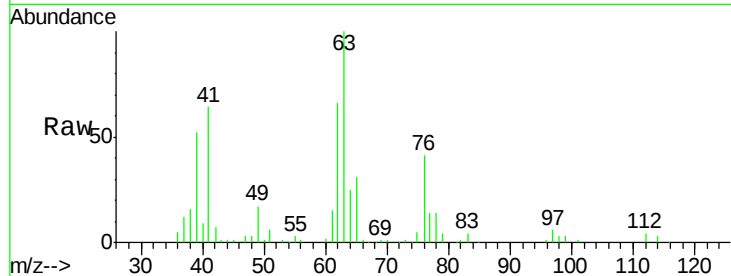
#45
 1,2-Dichloropropane
 Concen: 13.500 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 63 Resp: 130085
 Ion Ratio Lower Upper
 63 100
 65 31.4 23.8 35.6

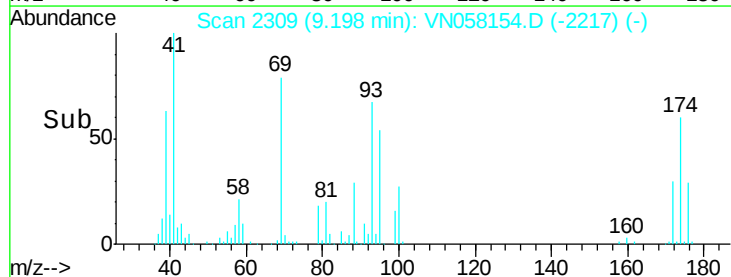
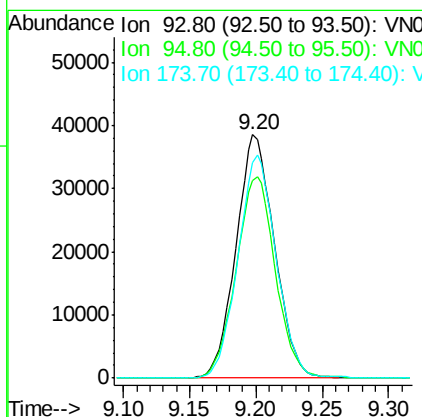
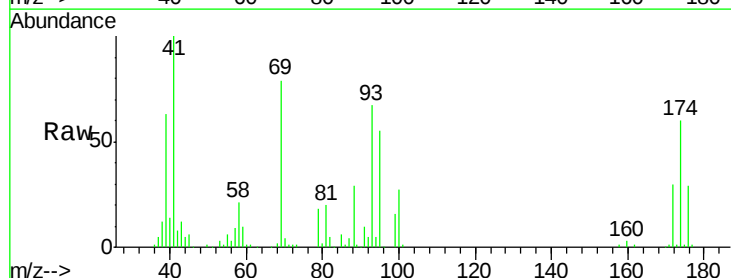
Manual Integrations
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#46
 Dibromomethane
 Concen: 13.349 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Tgt Ion: 93 Resp: 77649
 Ion Ratio Lower Upper
 93 100
 95 84.4 66.8 100.2
 174 91.0 73.8 110.8





#47

Bromodichloromethane

Concen: 14.120 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

Instrument :

MSVOA_N

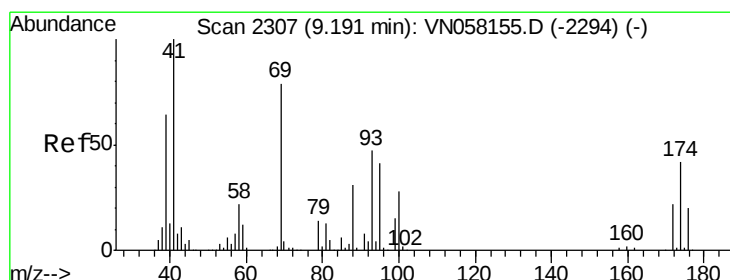
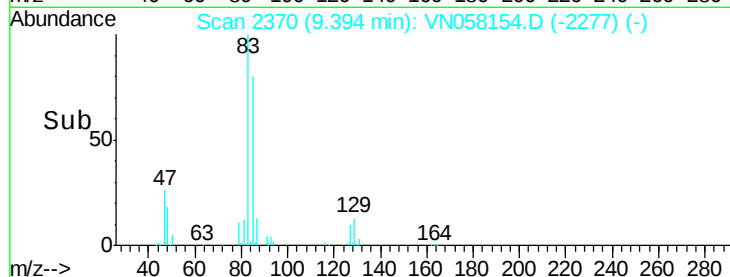
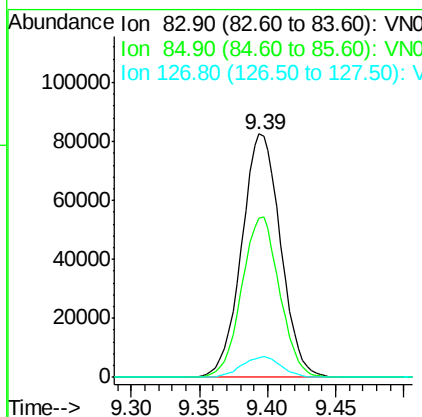
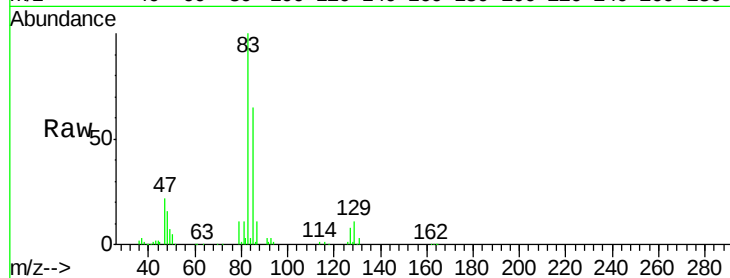
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	163545
Ion	Ratio	Lower	Upper
83	100		
85	65.4	50.1	75.1
127	8.3	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 13.000 ug/l

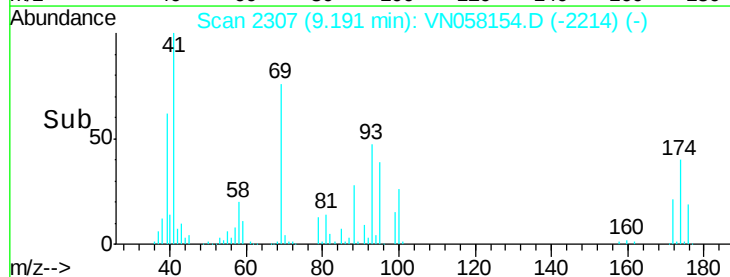
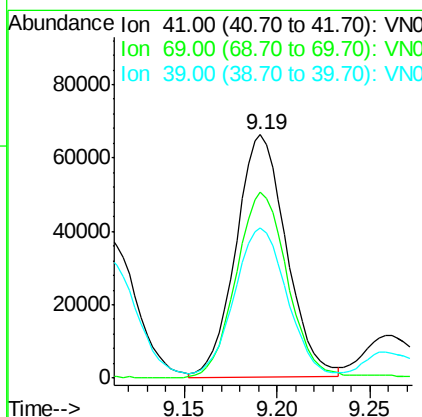
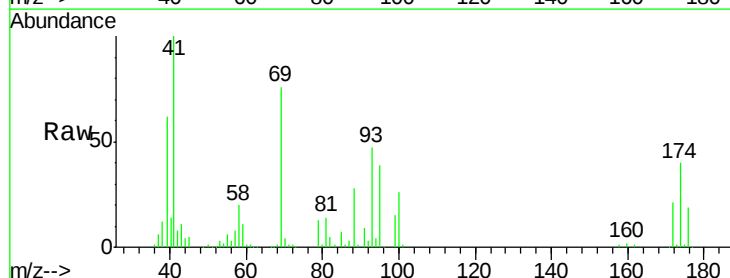
RT: 9.19 min Scan# 2307

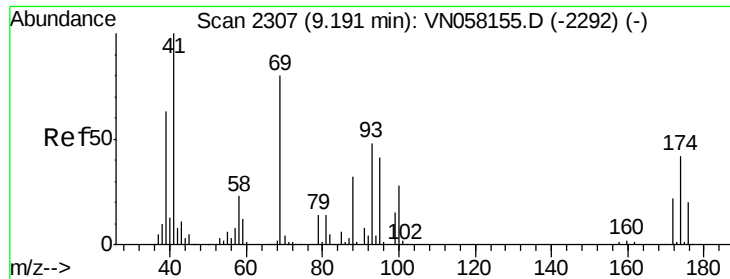
Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

Tgt Ion:	41	Resp:	125292
Ion	Ratio	Lower	Upper
41	100		
69	78.1	62.5	93.7
39	64.5	52.3	78.5





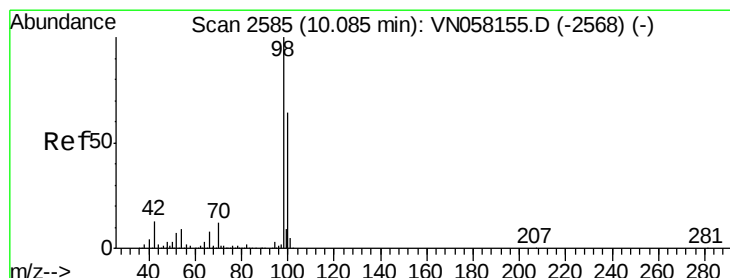
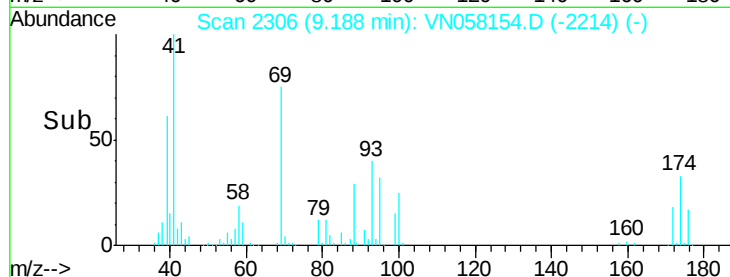
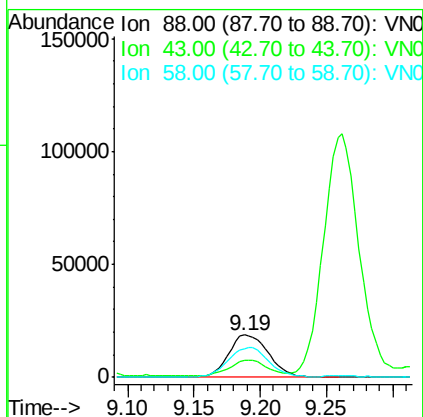
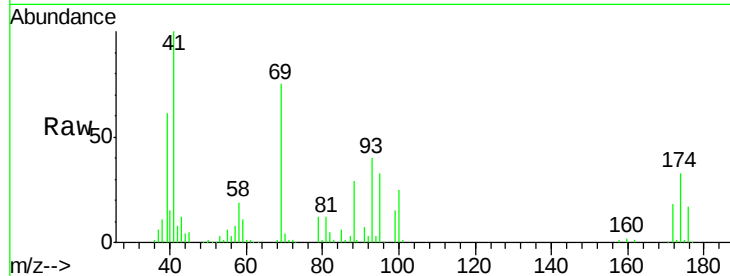
#49
1,4-Dioxane
Concen: 241.614 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	33.8	27.8	41.8	
58	71.9	55.0	82.4	

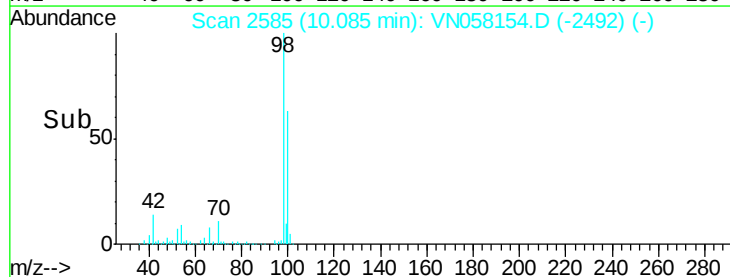
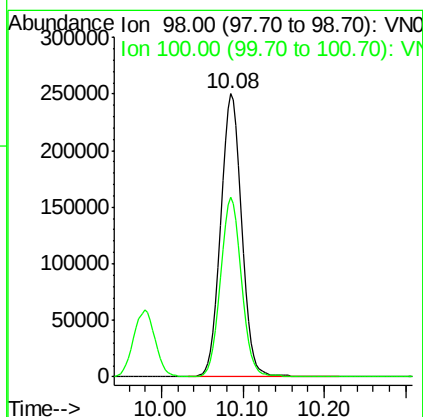
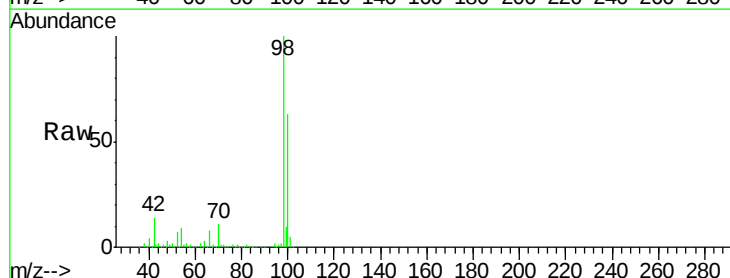
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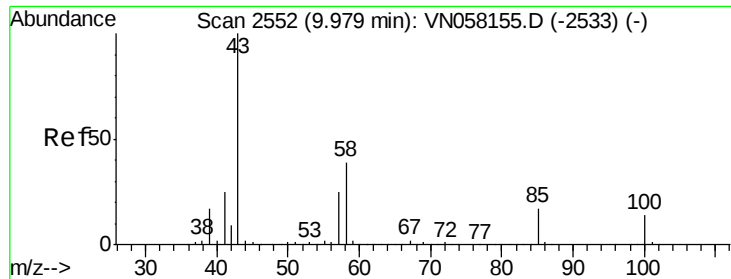
MMDadoda
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#50
Toluene-d8
Concen: 13.636 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	63.2	51.1	76.7	





#51

4-Methyl-2-Pentanone

Concen: 71.812 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 802896

Ion Ratio Lower Upper

43 100

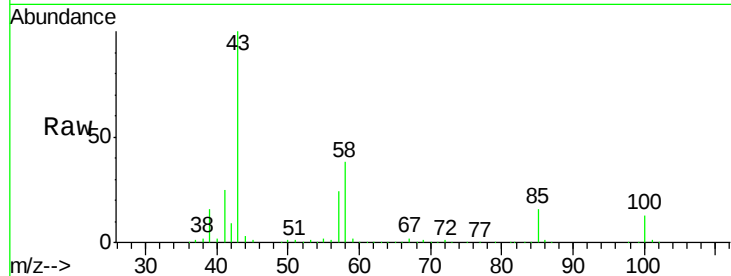
58 36.9 30.2 45.4

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

400000

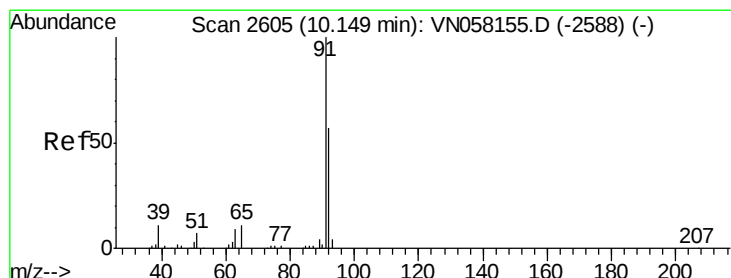
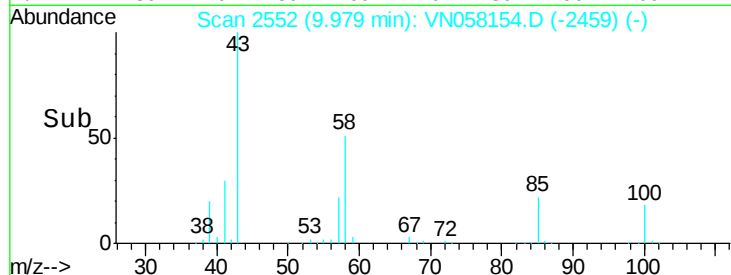
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 12.752 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058154.D

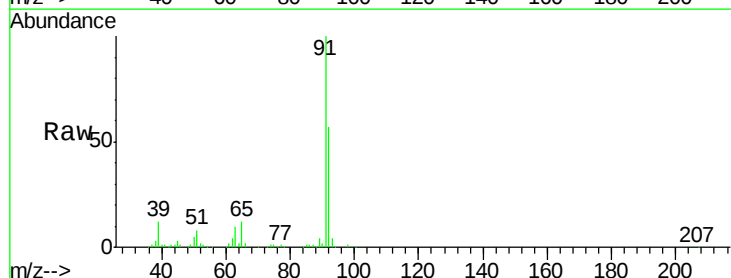
Acq: 18 Sep 2019 10:05

Tgt Ion: 92 Resp: 264689

Ion Ratio Lower Upper

92 100

91 176.0 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.15

250000

200000

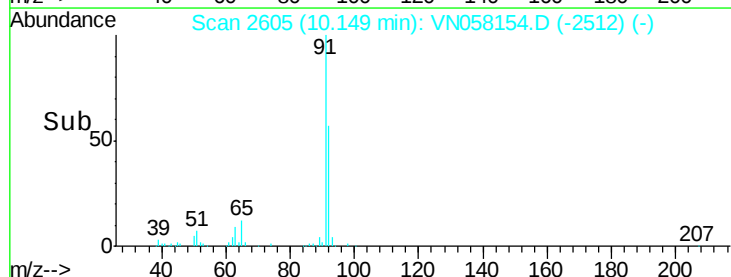
150000

100000

50000

0

Time-->





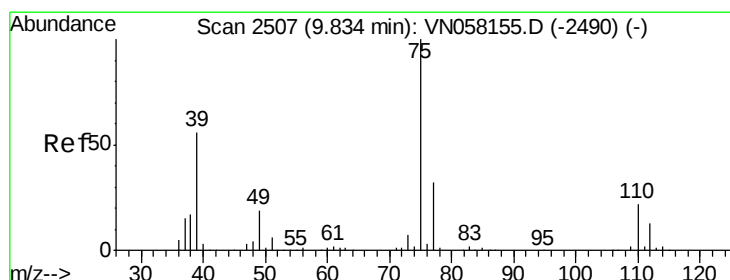
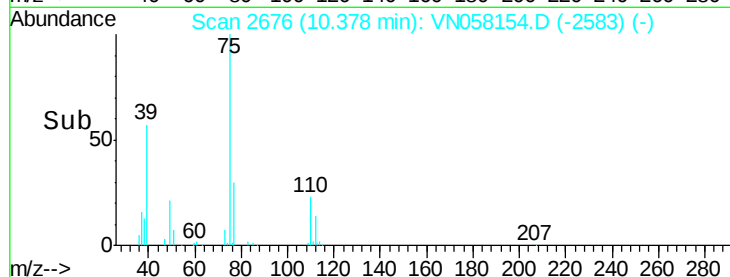
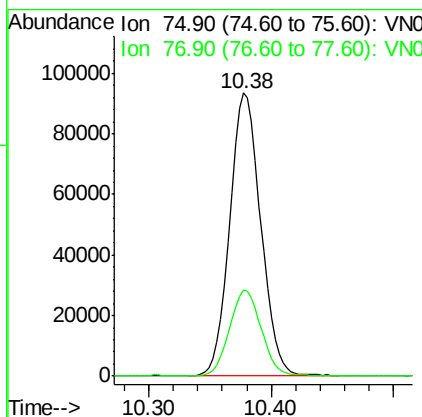
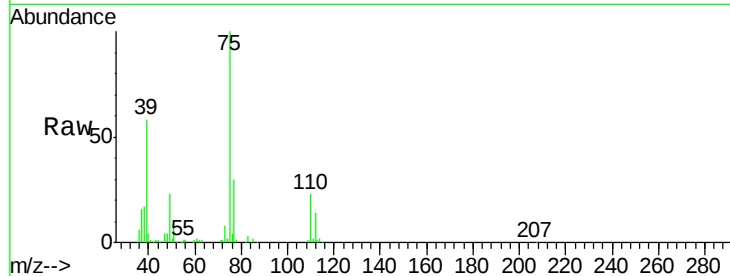
#53
t-1,3-Dichloropropene
Concen: 13.651 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion: 75 Resp: 166170
Ion Ratio Lower Upper
75 100
77 30.5 24.9 37.3

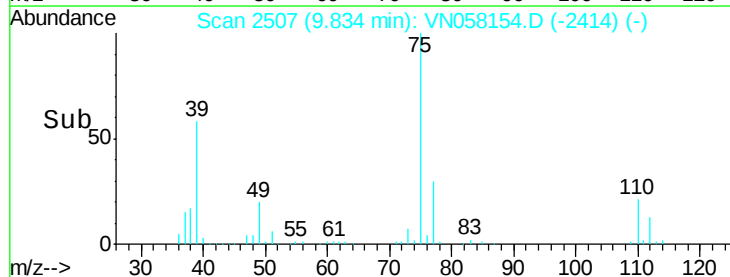
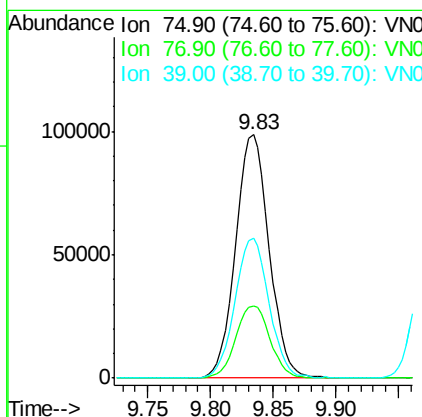
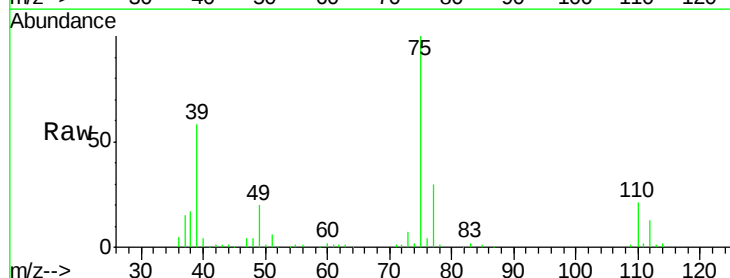
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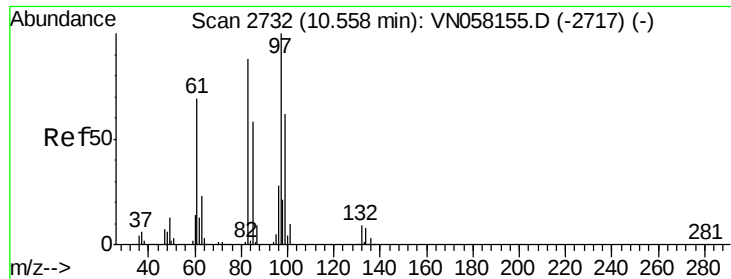
MMDadoda
9/20/2019 1:14:19 PM



#54
cis-1,3-Dichloropropene
Concen: 13.591 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

Tgt Ion: 75 Resp: 182758
Ion Ratio Lower Upper
75 100
77 29.7 25.4 38.0
39 57.5 45.0 67.6





#55

1,1,2-Trichloroethane

Concen: 13.921 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

Instrument :

MSVOA_N

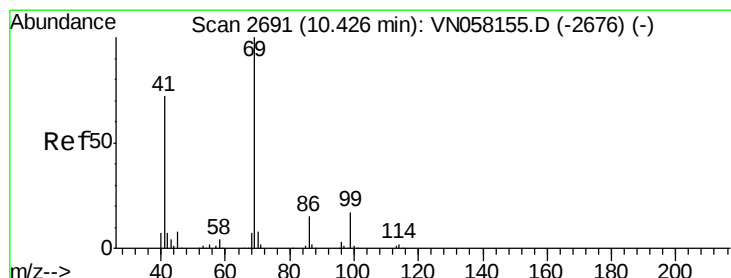
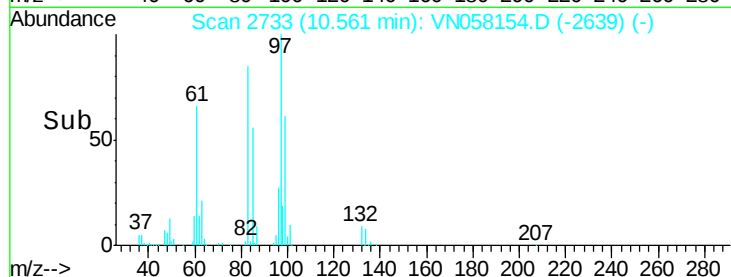
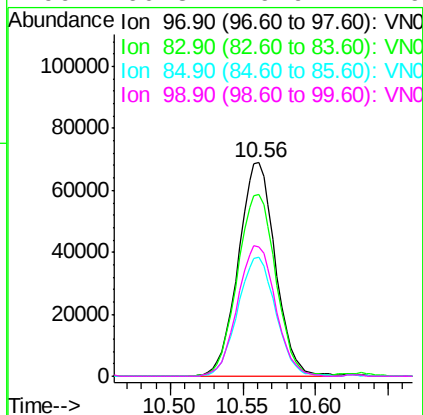
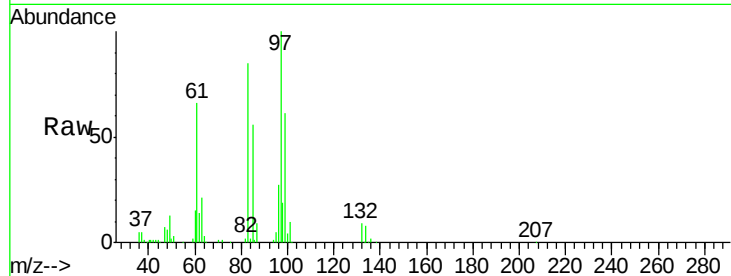
ClientSampleId :

VSTDIC020

Tot Ion:	97	Resp:	122551
Ion	Ratio	Lower	Upper
97	100		
83	85.3	70.4	105.6
85	55.6	46.8	70.2
99	60.8	49.9	74.9

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9/20/2019 1:14:19 PM



#56

Ethyl methacrylate

Concen: 13.187 ug/l

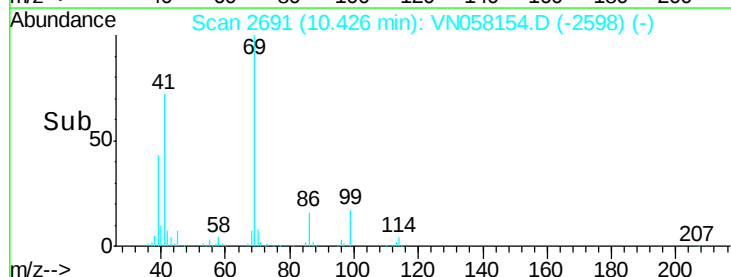
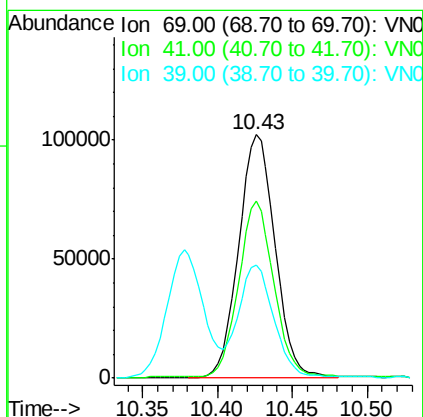
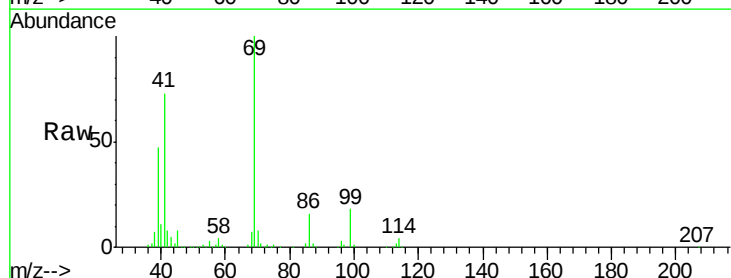
RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

Tgt Ion:	69	Resp:	173920
Ion	Ratio	Lower	Upper
69	100		
41	69.6	57.5	86.3
39	45.1	36.1	54.1





#57

1,3-Dichloropropane

Concen: 13.692 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 76 Resp: 207784

Ion Ratio Lower Upper

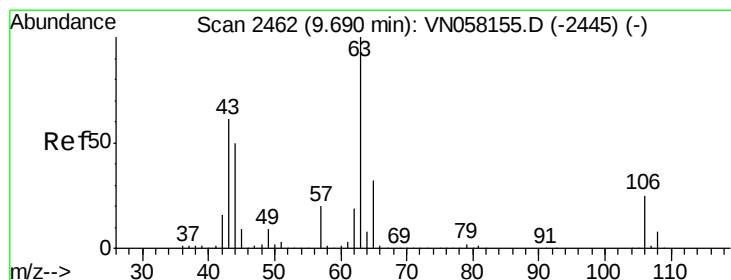
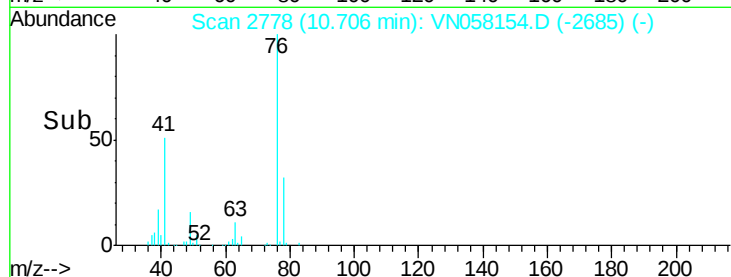
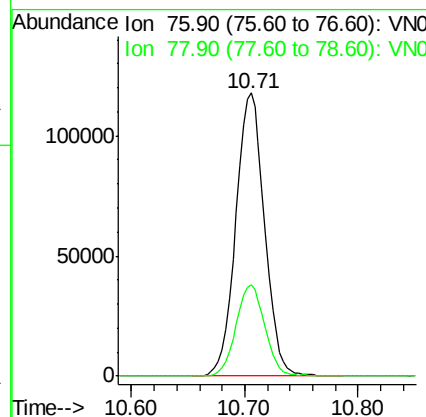
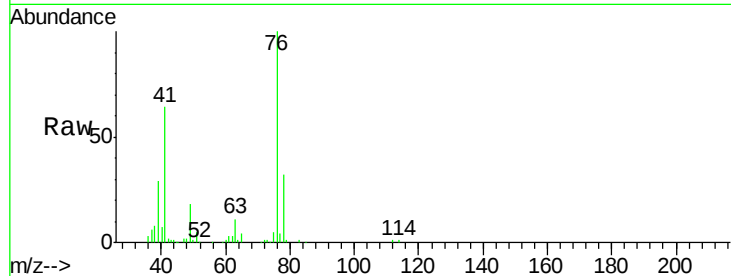
76 100

78 32.4 25.4 38.0

Manual Integrations
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MMDadoda

9/20/2019 1:14:19 PM



#58

2-Chloroethyl Vinyl ether

Concen: 62.769 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058154.D

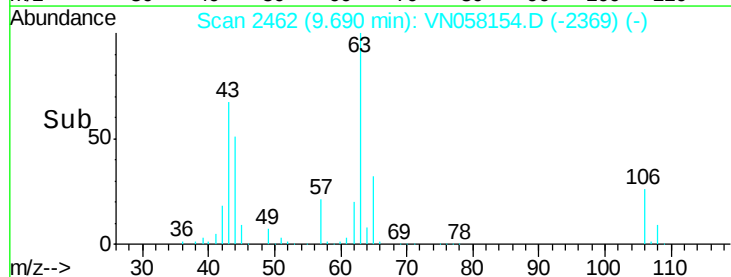
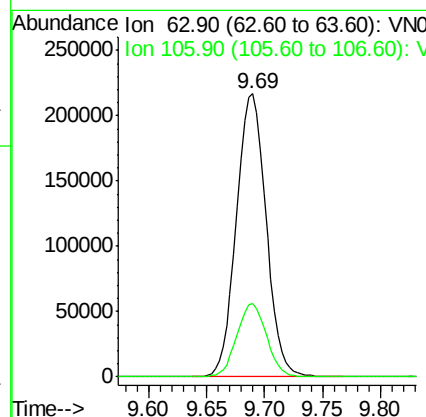
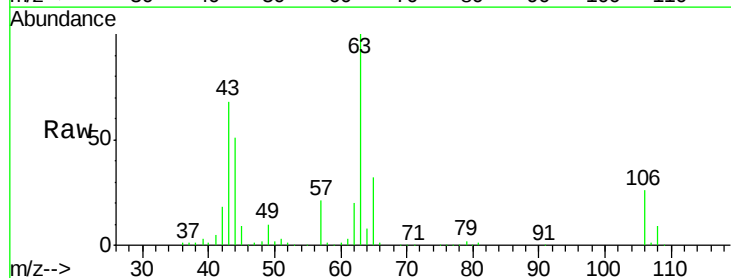
Acq: 18 Sep 2019 10:05

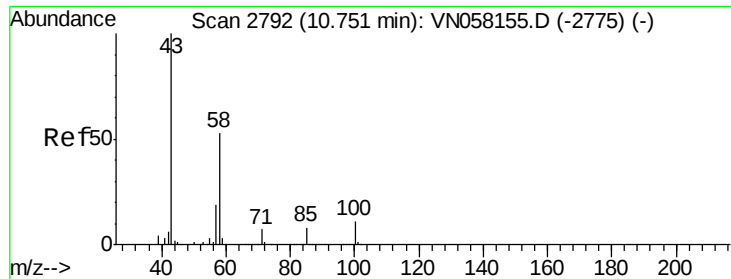
Tgt Ion: 63 Resp: 386214

Ion Ratio Lower Upper

63 100

106 25.9 19.9 29.9





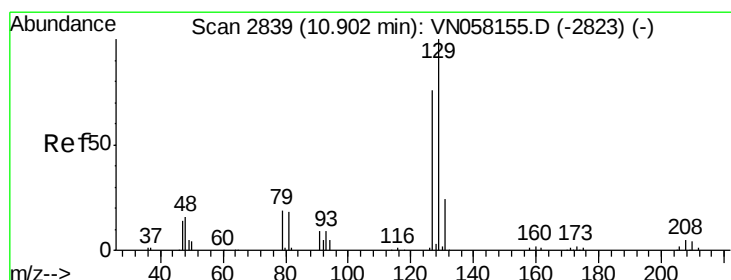
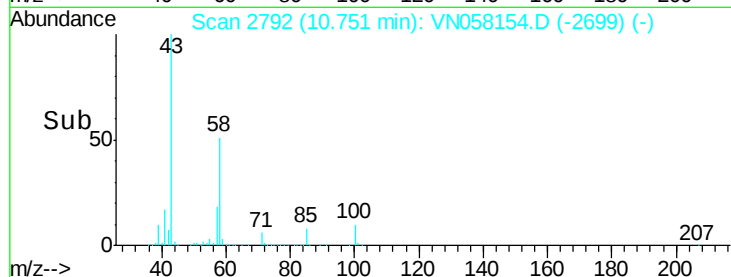
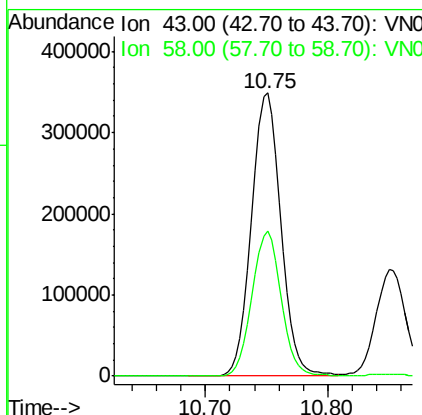
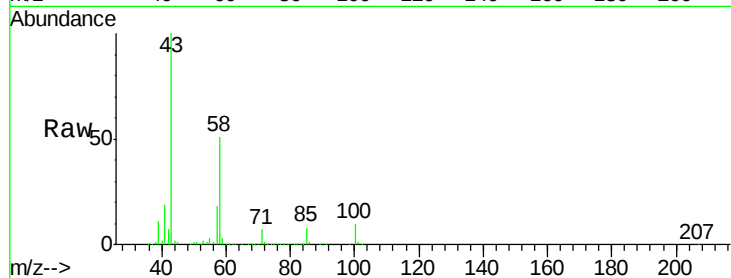
#59
2-Hexanone
Concen: 68.852 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 575541
Ion Ratio Lower Upper
43 100
58 51.2 26.0 78.0

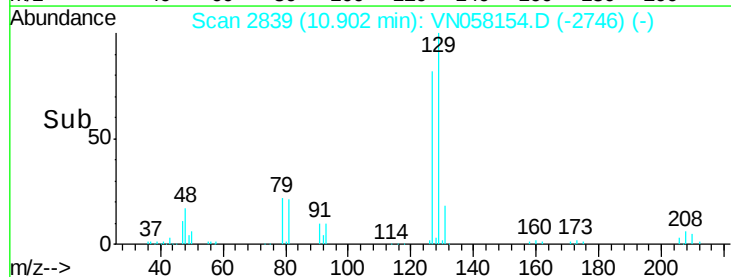
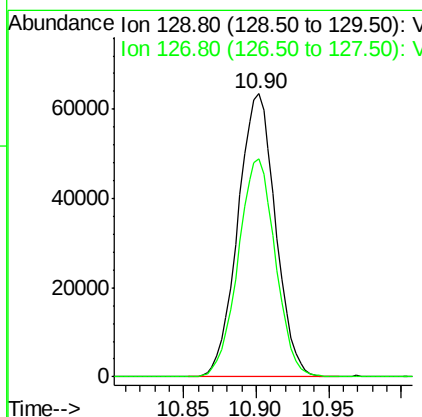
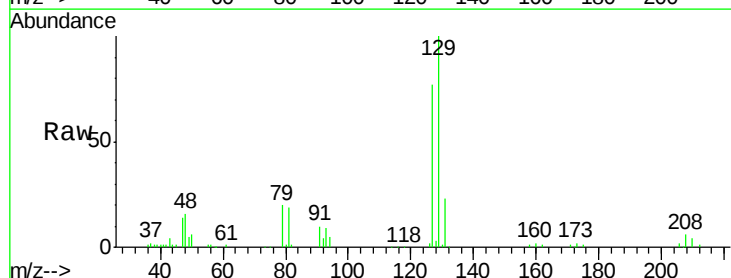
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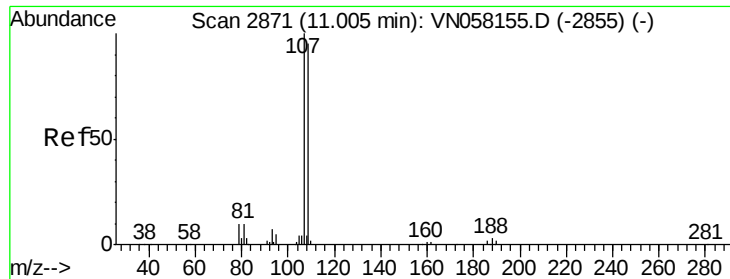
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#60
Dibromochloromethane
Concen: 14.029 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

Tgt Ion: 129 Resp: 114510
Ion Ratio Lower Upper
129 100
127 76.1 38.7 116.1





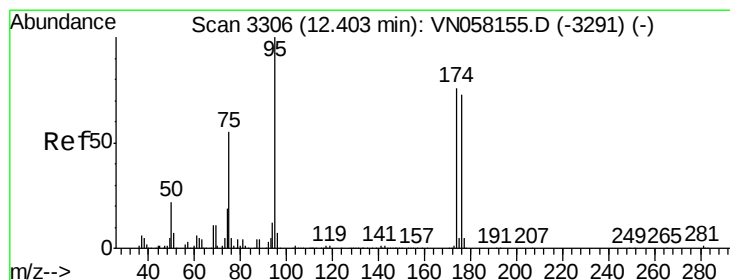
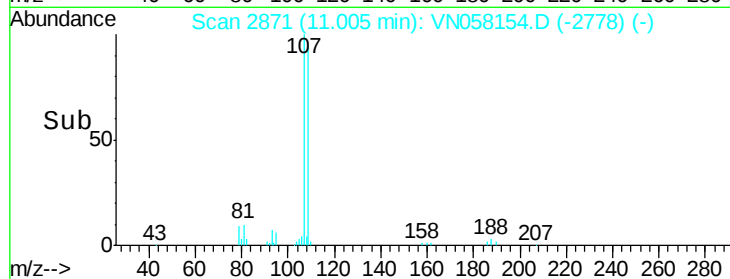
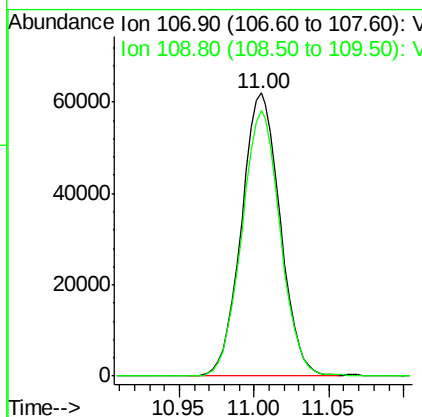
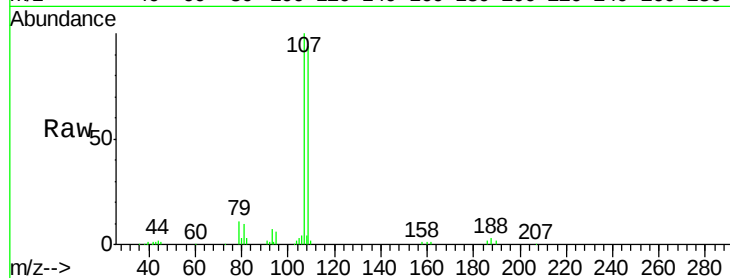
#61
 1,2-Dibromoethane
 Concen: 13.426 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.4	75.4	113.2

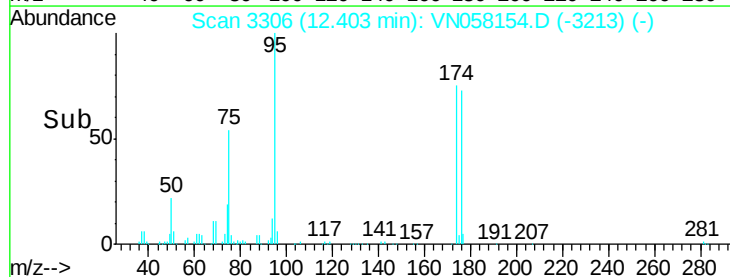
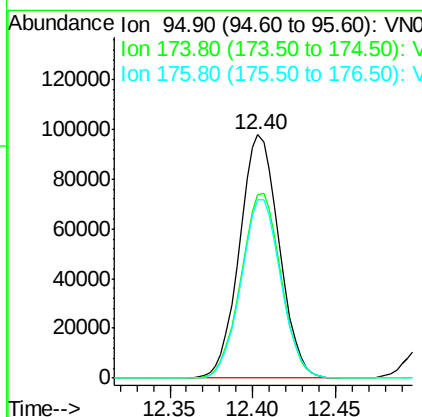
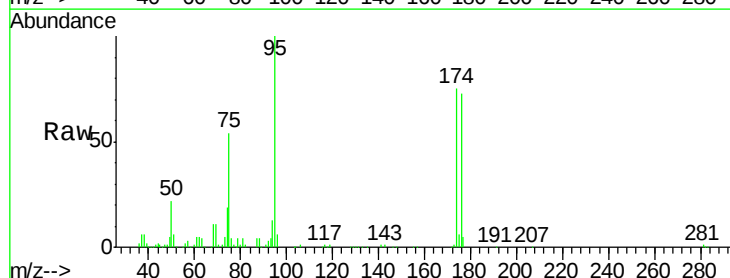
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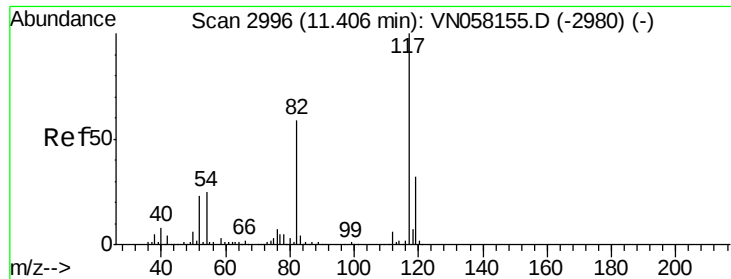
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#62
 4-Bromofluorobenzene
 Concen: 12.557 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.6	0.0	152.2
176	73.8	0.0	148.0





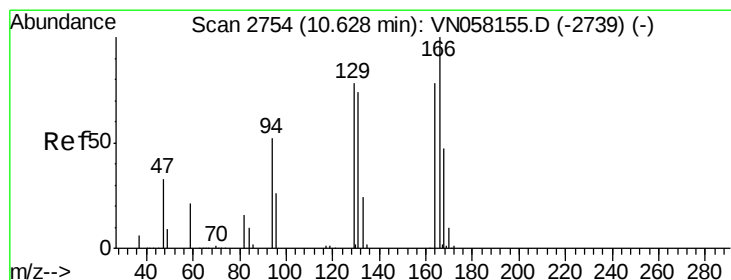
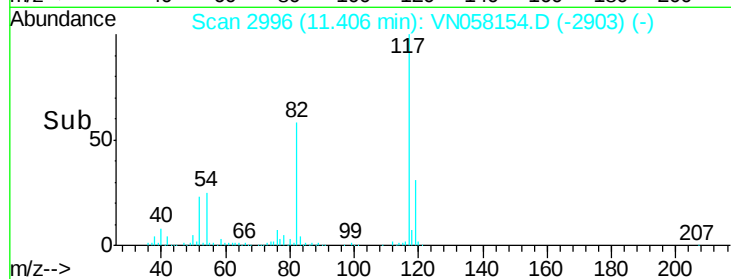
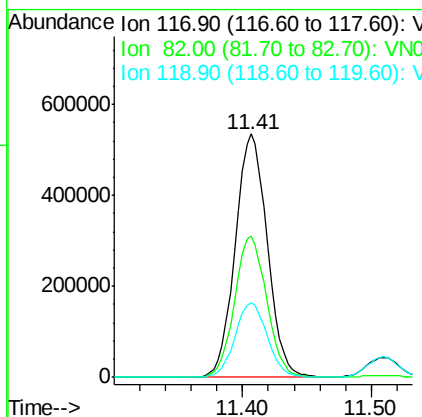
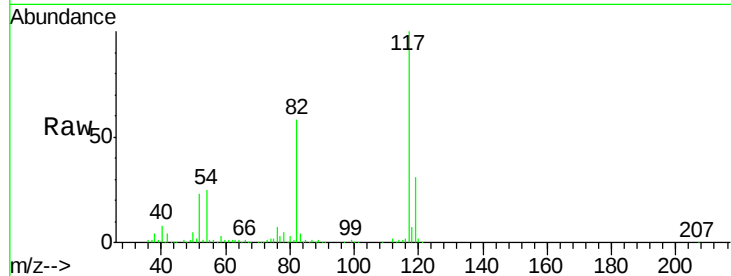
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	923371		
82	58.0	46.9	70.3	
119	30.9	25.3	37.9	

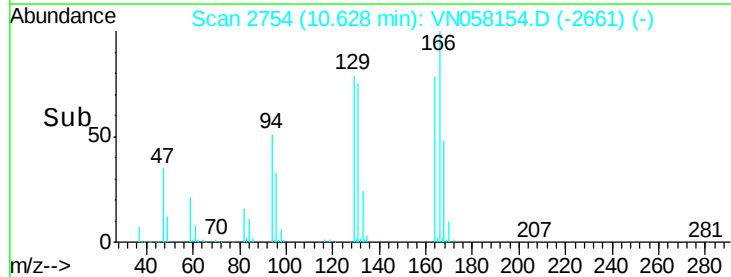
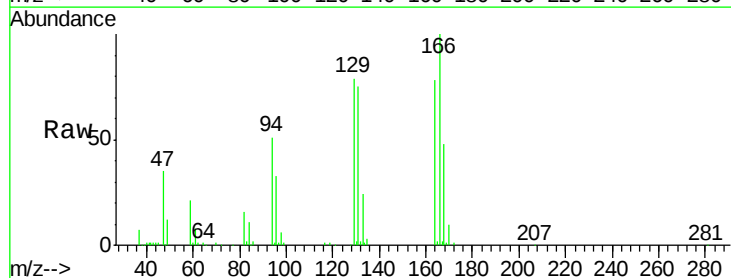
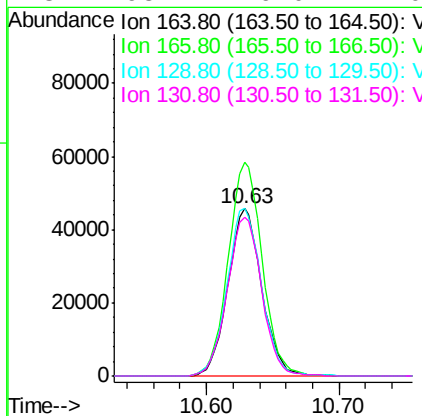
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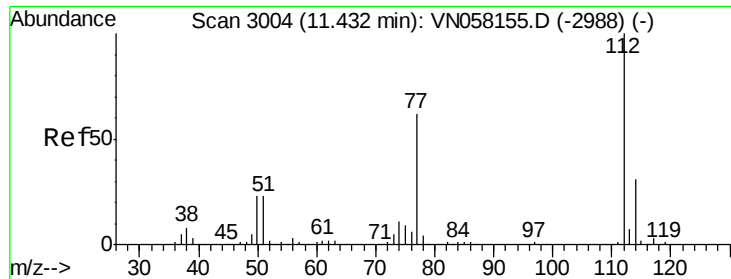
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#64
Tetrachloroethene
Concen: 12.529 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	80680		
166	127.7	102.2	153.4	
129	100.5	79.6	119.4	
131	95.2	76.0	114.0	





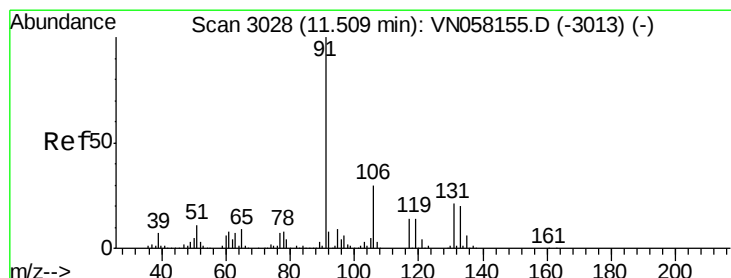
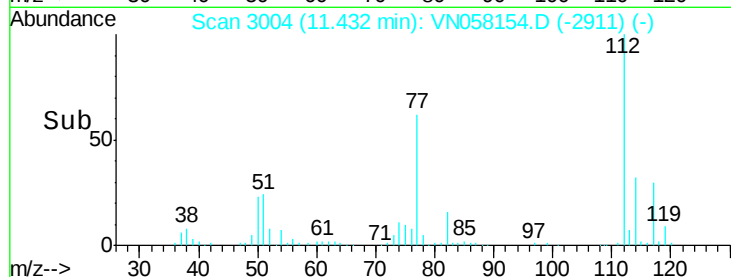
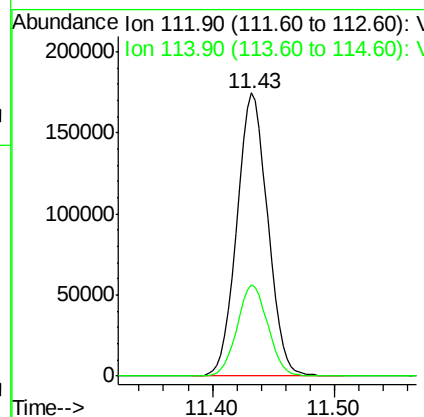
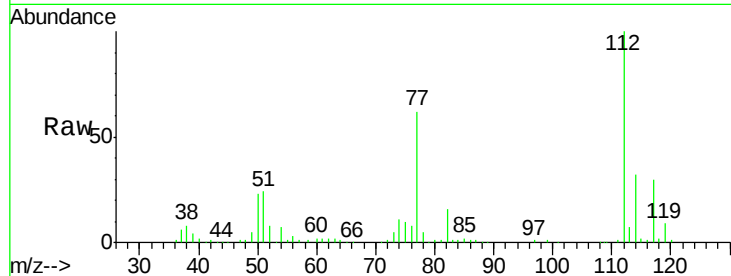
#65
Chlorobenzene
Concen: 13.481 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:112 Resp: 306469
Ion Ratio Lower Upper
112 100
114 32.3 25.1 37.7

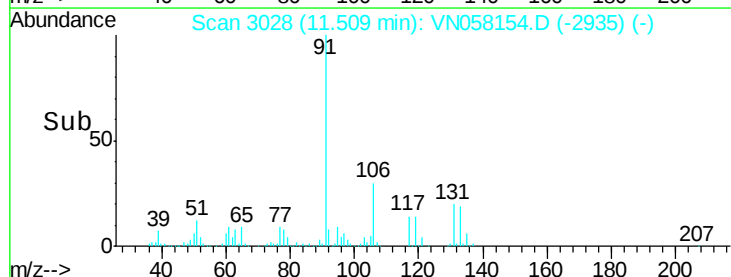
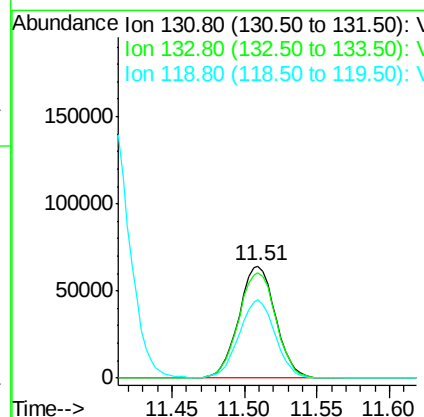
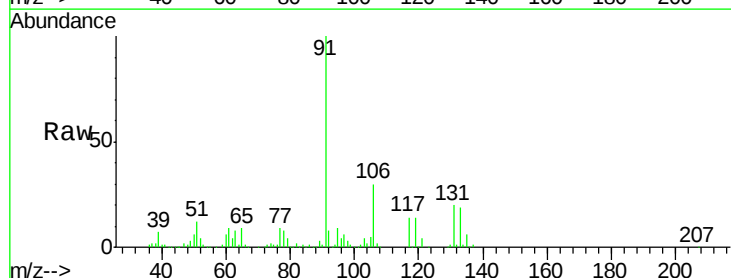
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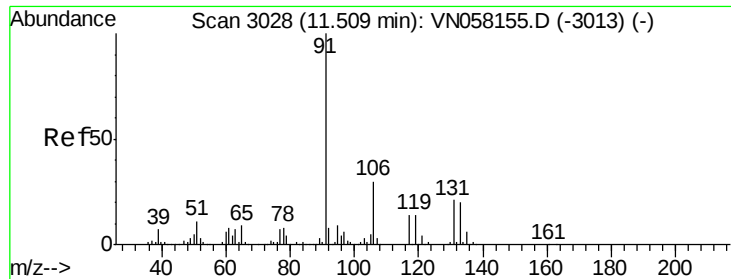
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#66
1,1,1,2-Tetrachloroethane
Concen: 14.351 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

Tgt Ion:131 Resp: 113492
Ion Ratio Lower Upper
131 100
133 95.7 47.8 143.3
119 68.6 33.1 99.3





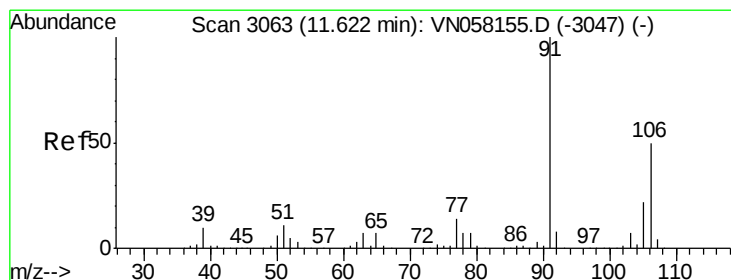
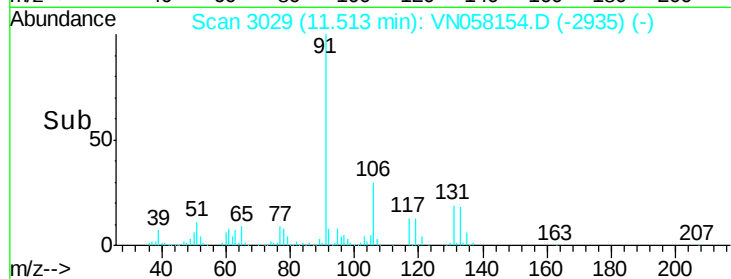
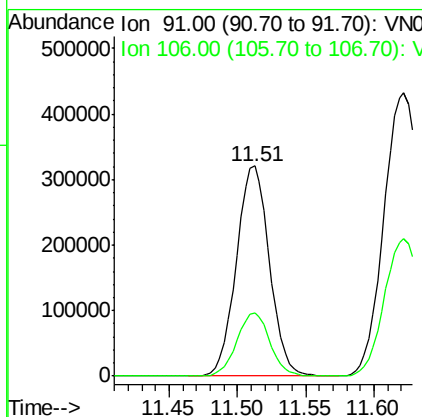
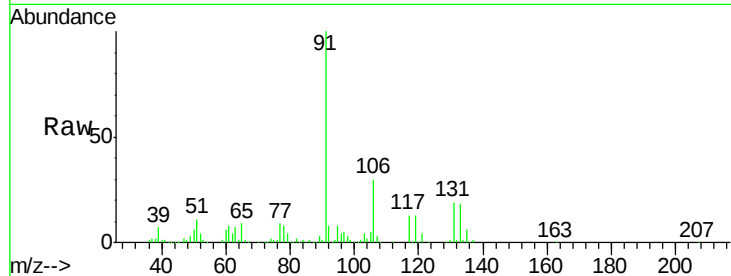
#67
Ethyl Benzene
Concen: 13.576 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.0	36.0

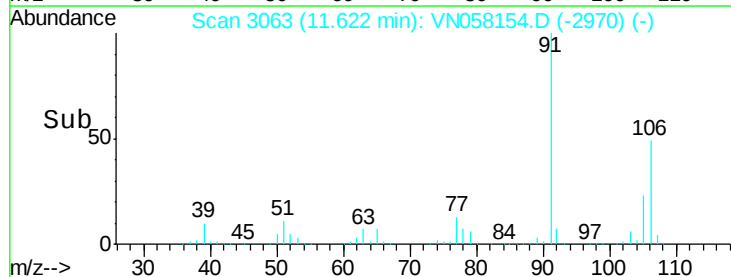
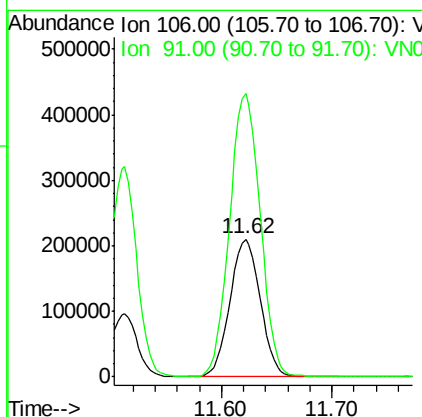
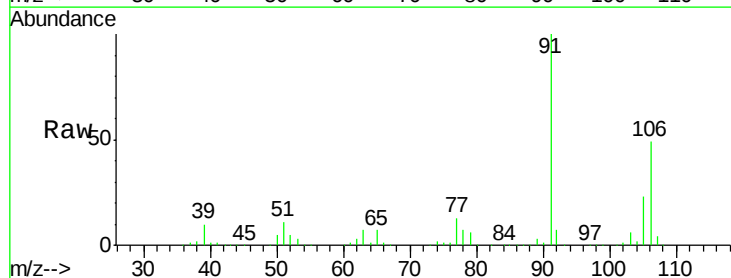
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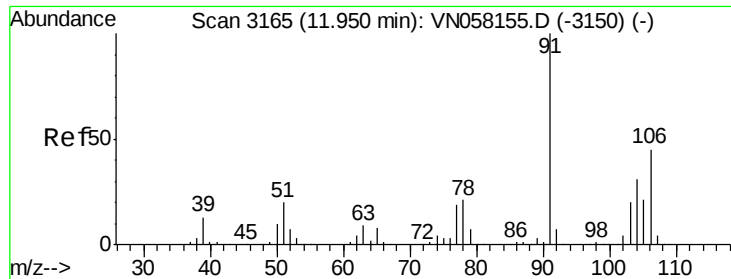
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#68
m/p-Xylenes
Concen: 27.572 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

Tgt Ion	Ratio	Lower	Upper
106	100		
91	208.1	163.6	245.4





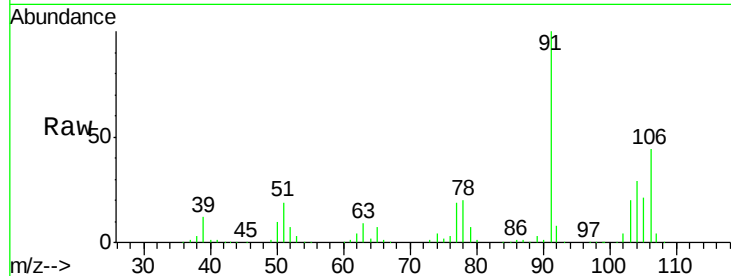
#69
o-Xylene
Concen: 13.548 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

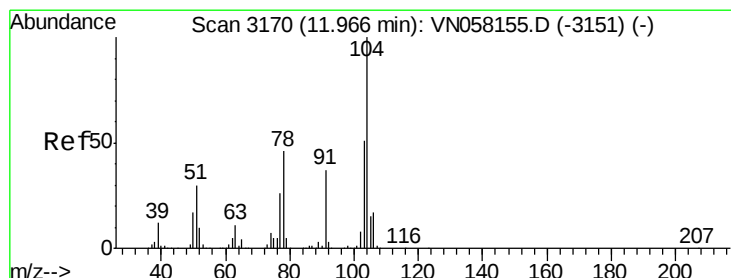
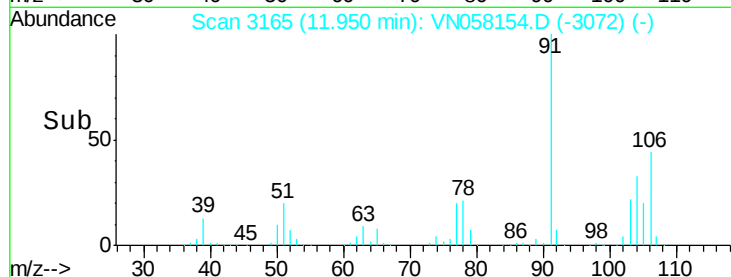
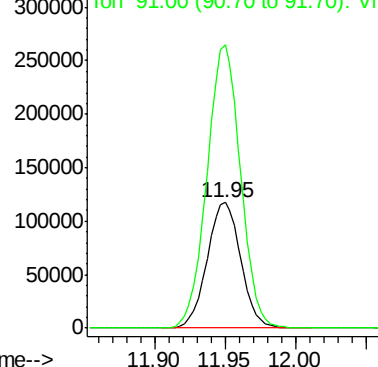
Tot Ion:106 Resp: 195694
Ion Ratio Lower Upper
106 100
91 224.7 111.8 335.3

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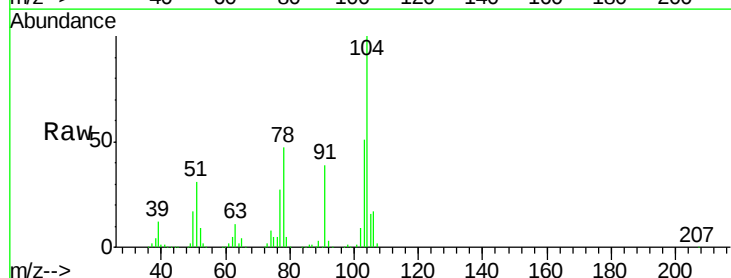


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

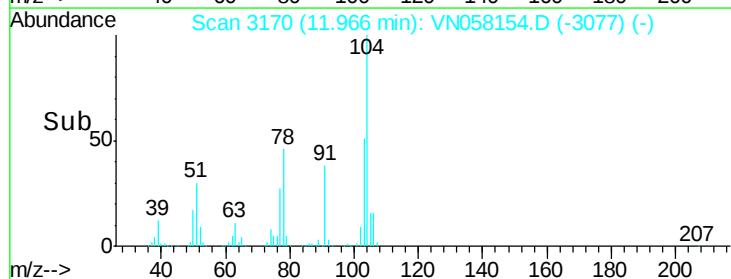
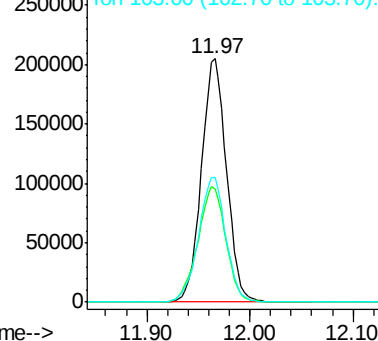


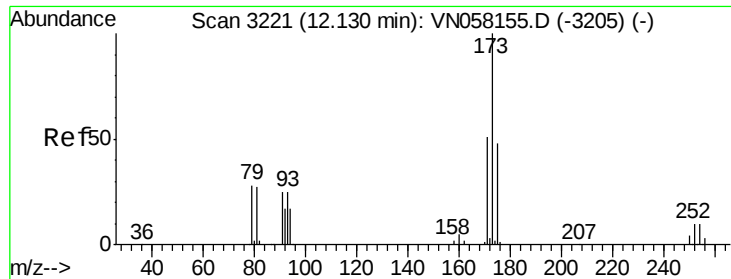
#70
Styrene
Concen: 14.003 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

Tgt Ion:104 Resp: 348035
Ion Ratio Lower Upper
104 100
78 52.8 41.8 62.8
103 55.5 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





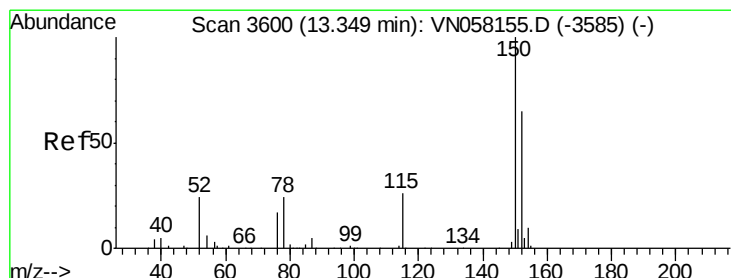
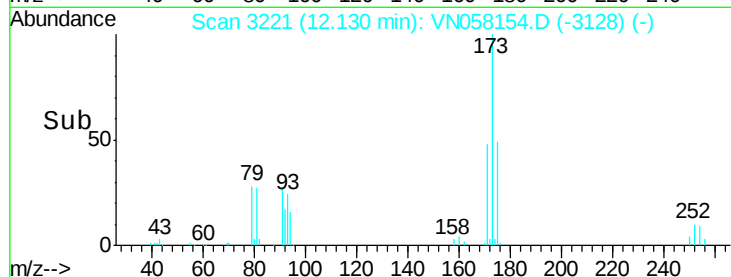
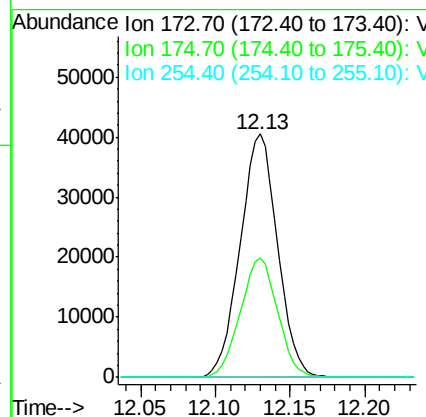
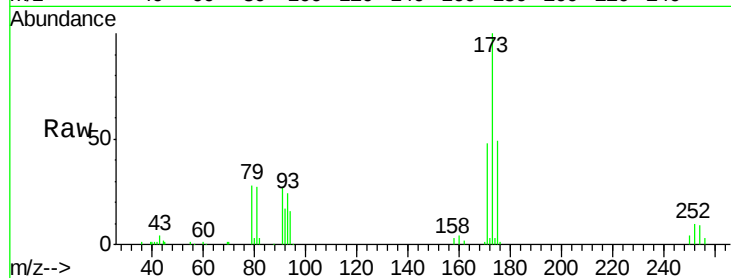
#71
Bromoform
Concen: 14.353 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.2	72.6
254	0.0	0.1	0.1#

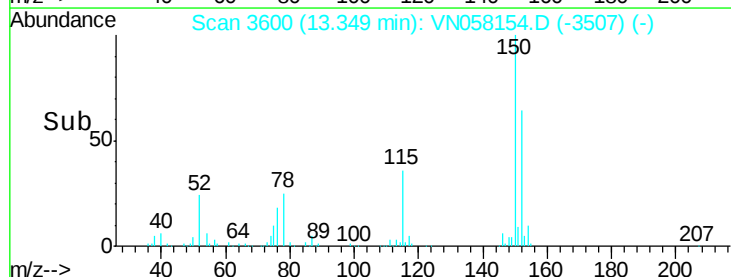
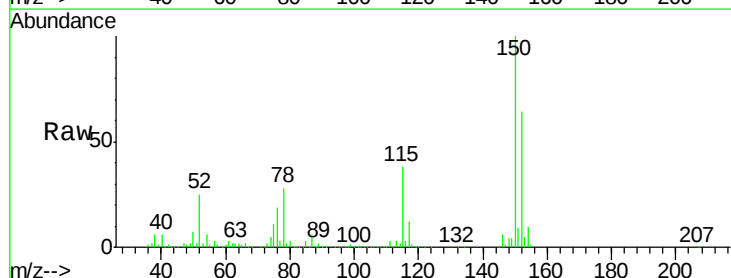
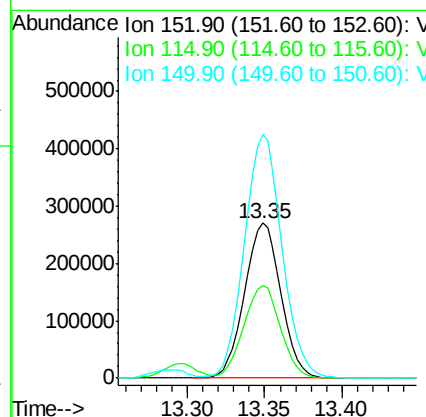
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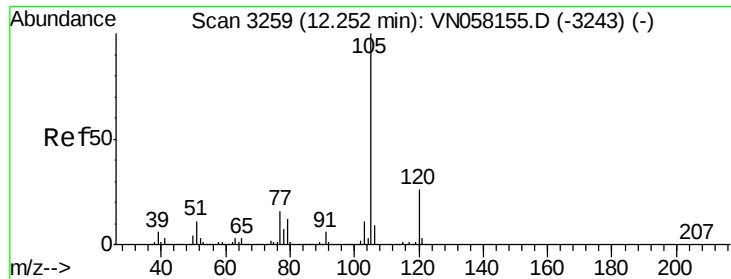
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.2	30.1	90.3
150	163.1	0.0	346.4





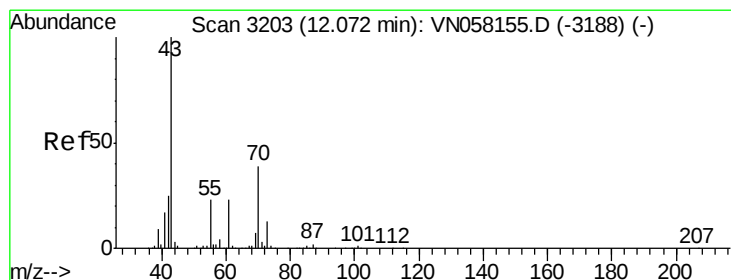
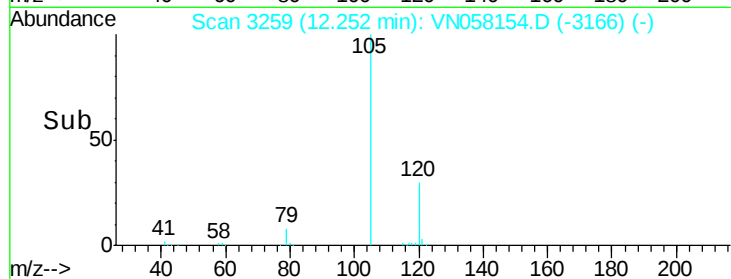
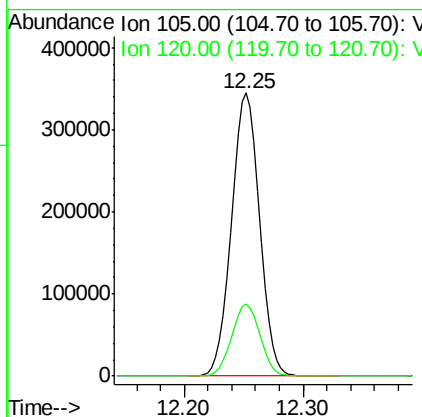
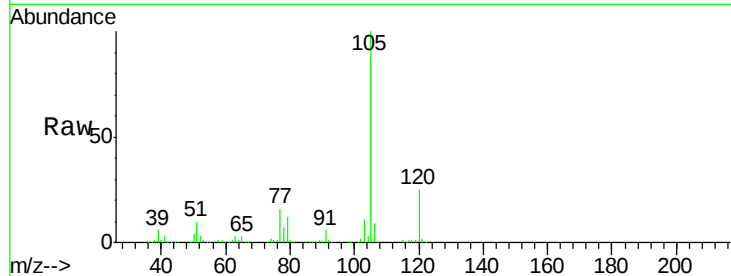
#73
Isopropylbenzene
Concen: 17.052 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.8	38.3

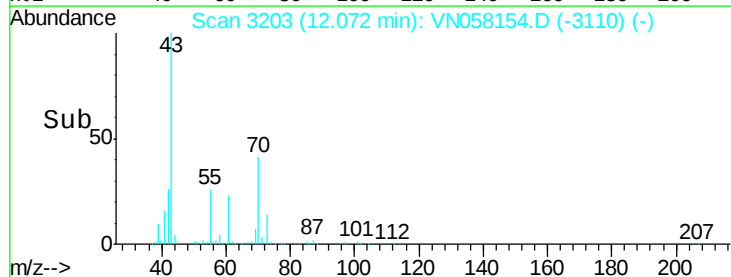
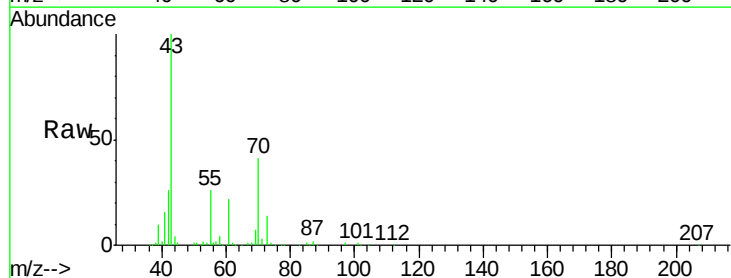
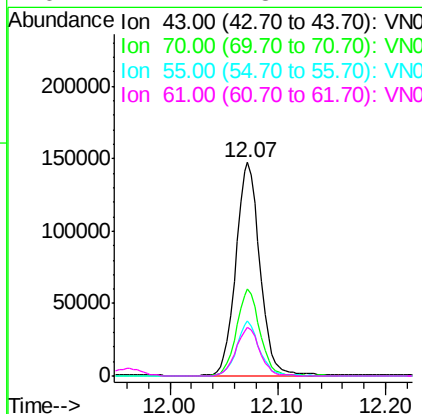
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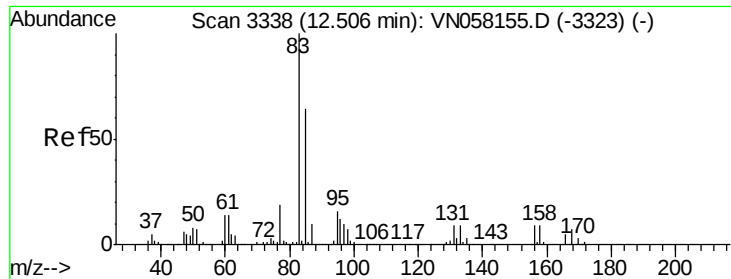
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#74
N-ethyl acetate
Concen: 16.117 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

Tgt Ion	Ratio	Lower	Upper
43	100		
70	39.6	31.0	46.6
55	24.2	18.5	27.7
61	22.4	18.2	27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 16.677 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

Instrument :

MSVOA_N

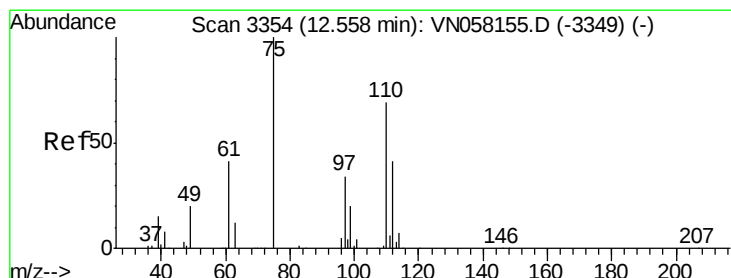
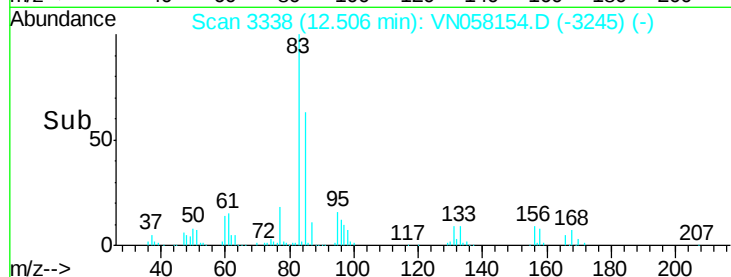
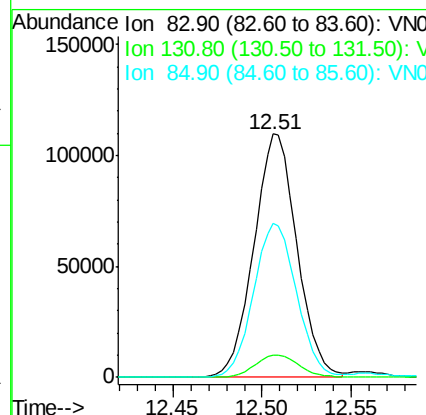
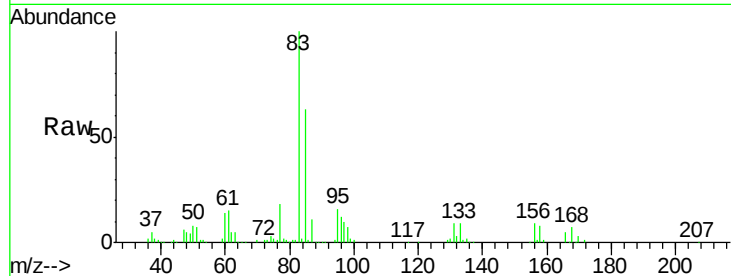
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	185115
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.8	14.3
85	63.3	31.9	95.5

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#76

1,2,3-Trichloropropane

Concen: 15.956 ug/l m

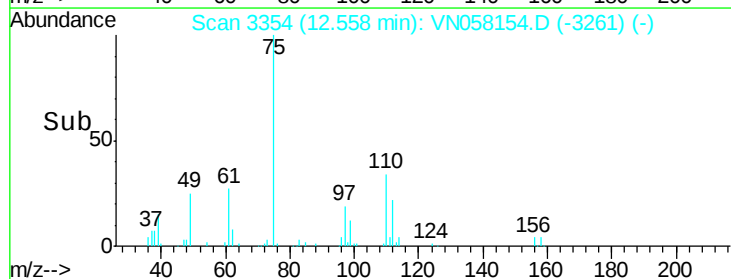
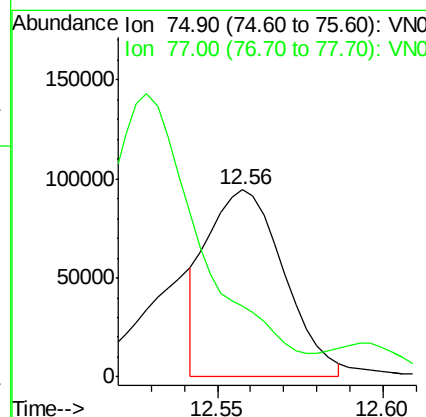
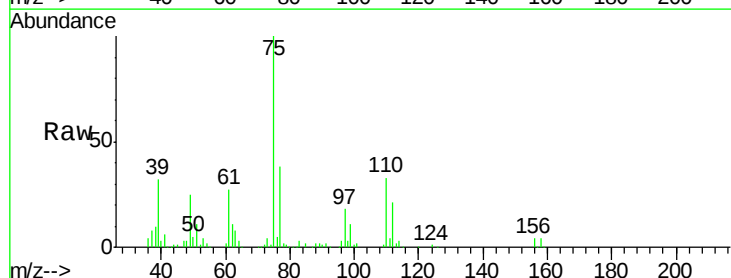
RT: 12.56 min Scan# 3354

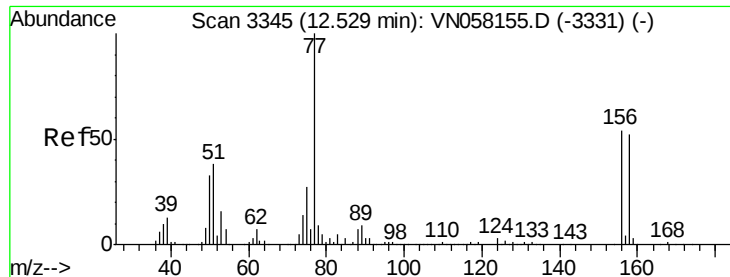
Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

Tgt Ion:	75	Resp:	152394
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 16.288 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

Instrument :

MSVOA_N

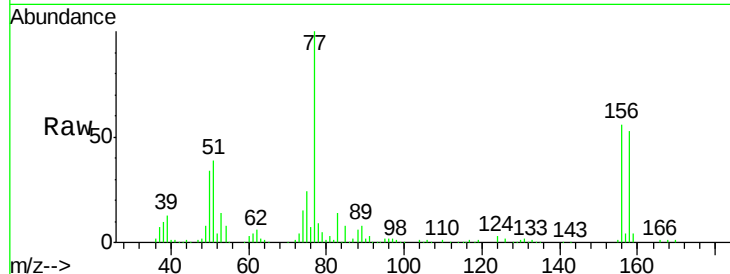
ClientSampled :

VSTDIC020

Tot Ion:	156	Resp:	134686
Ion Ratio	Lower	Upper	
156	100		
77	215.9	111.7	335.1
158	95.0	47.9	143.8

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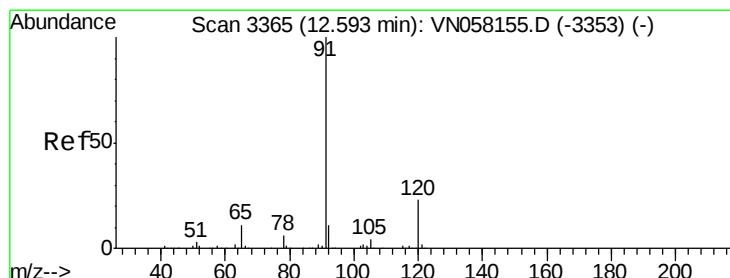
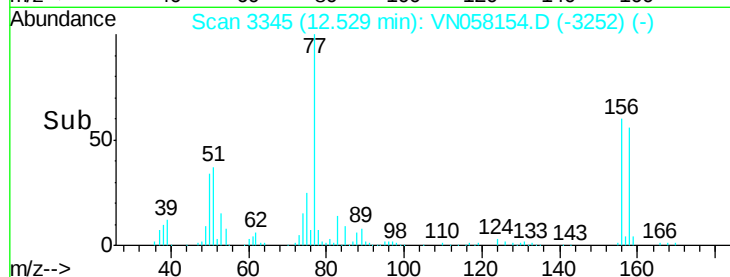
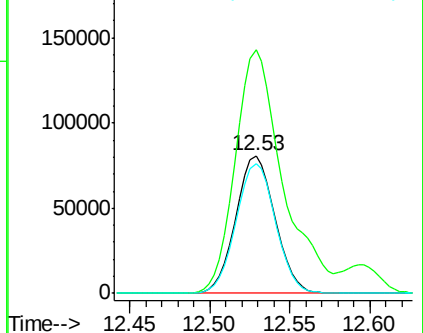
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 17.280 ug/l

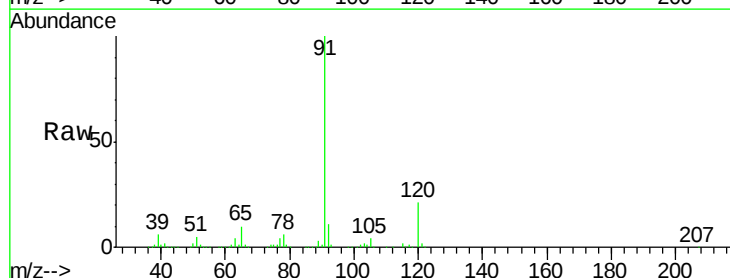
RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058154.D

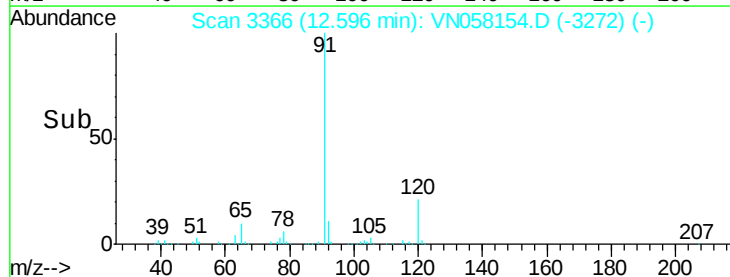
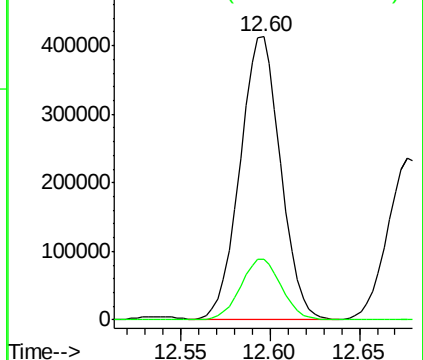
Acq: 18 Sep 2019 10:05

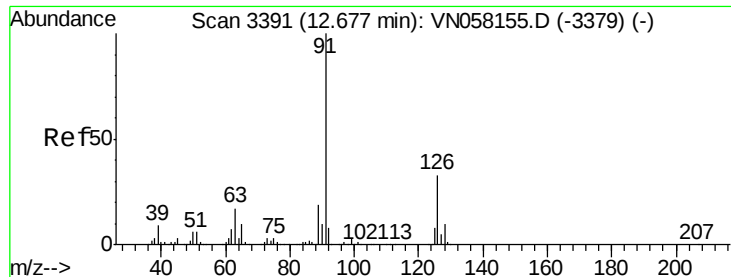
Tgt Ion:	91	Resp:	653621
Ion Ratio	Lower	Upper	
91	100		
120	21.6	11.1	33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 16.321 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 391160

Ion Ratio Lower Upper

91 100

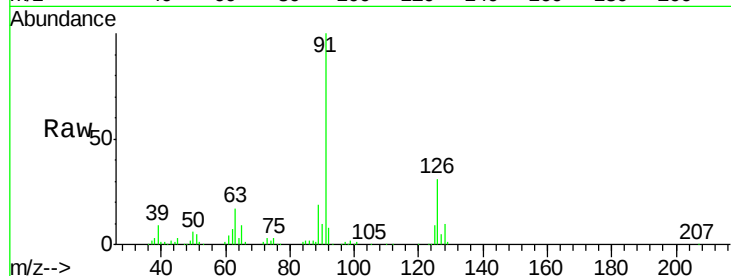
126 31.9 16.4 49.1

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Abundance Ion 91.00 (90.70 to 91.70): VN058155.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN058155.D (-3379) (-)

300000

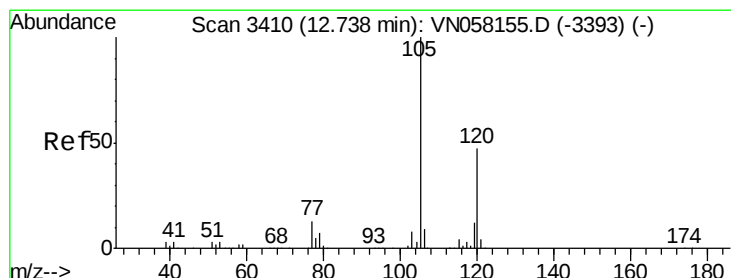
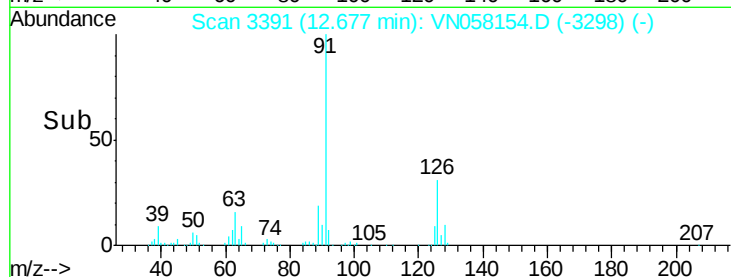
200000

100000

0

12.65 12.68 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 17.240 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058154.D

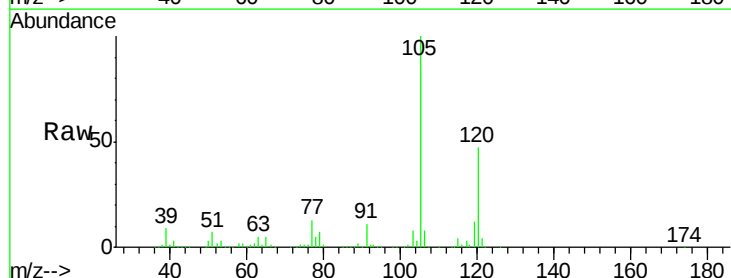
Acq: 18 Sep 2019 10:05

Tgt Ion: 105 Resp: 481047

Ion Ratio Lower Upper

105 100

120 47.1 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN058155.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN058155.D (-3393) (-)

300000

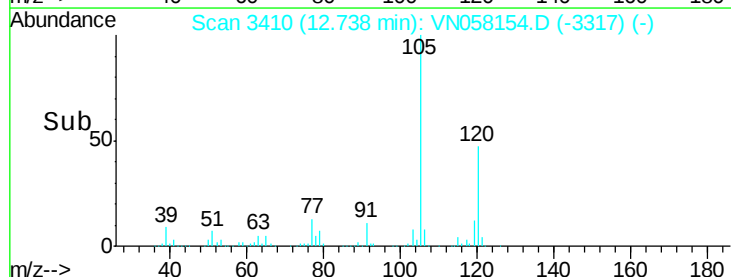
200000

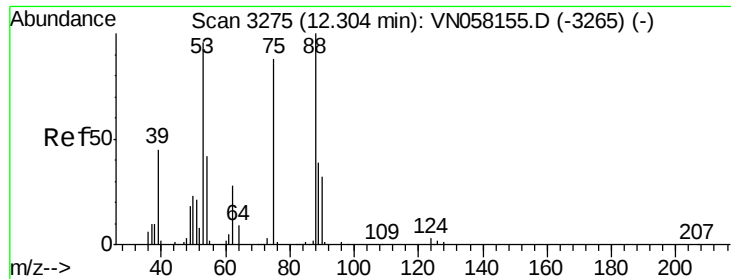
100000

0

12.70 12.74 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 15.501 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

Instrument :

MSVOA_N

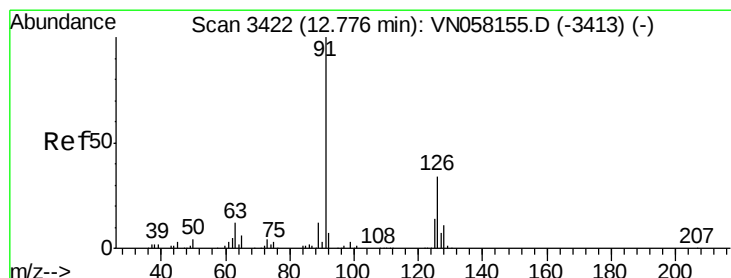
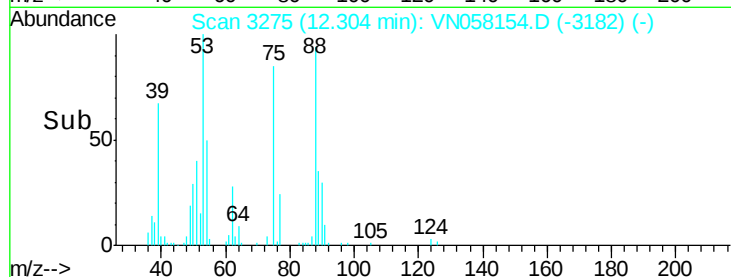
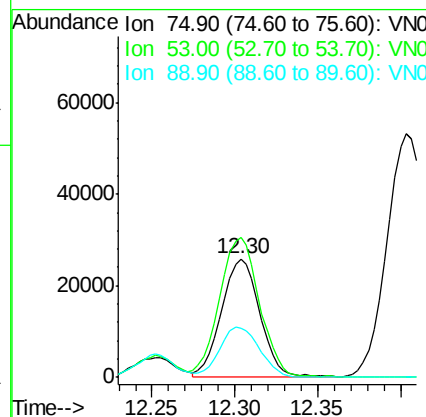
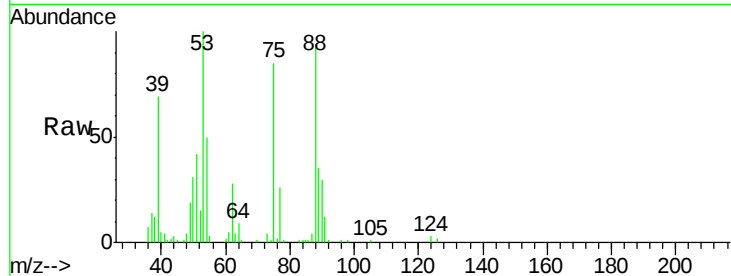
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	41883
Ion	Ratio	Lower	Upper
75	100		
53	122.0	90.1	135.1
89	44.0	36.2	54.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 16.617 ug/l

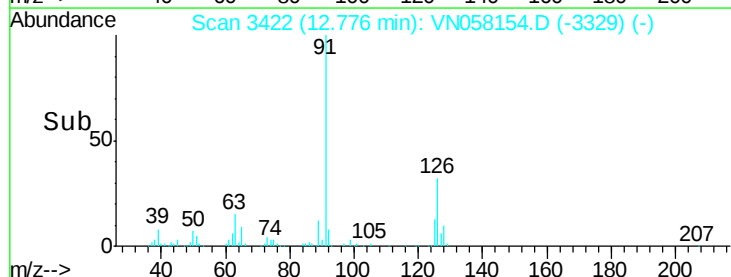
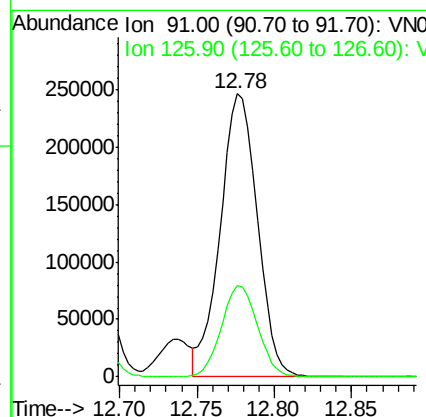
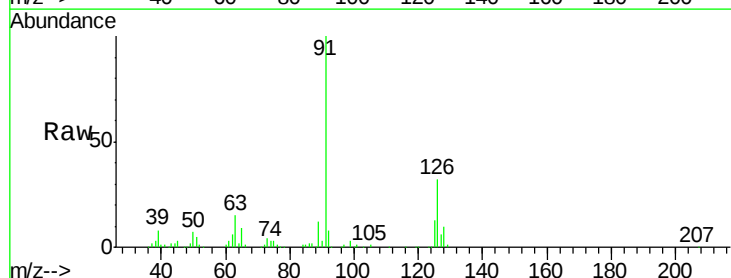
RT: 12.78 min Scan# 3422

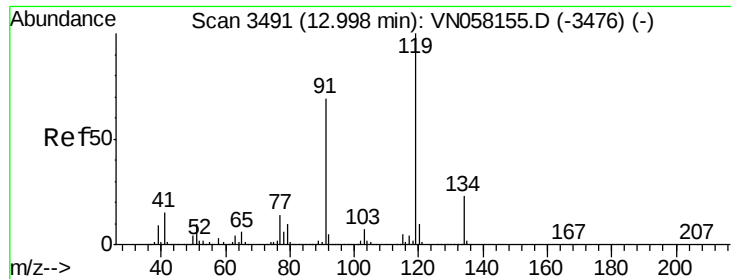
Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

Tgt Ion:	91	Resp:	409025
Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.7	47.1





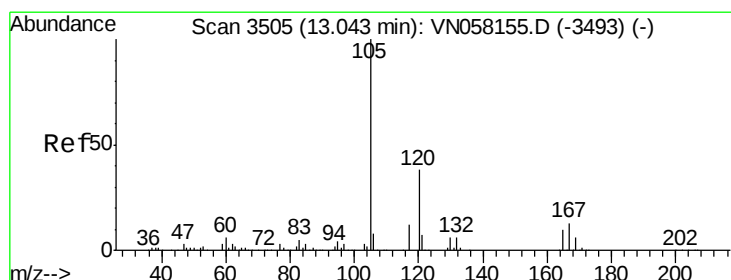
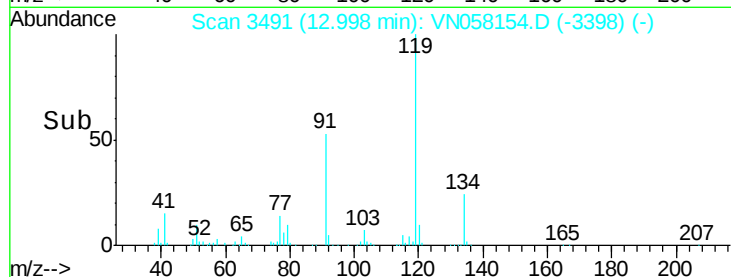
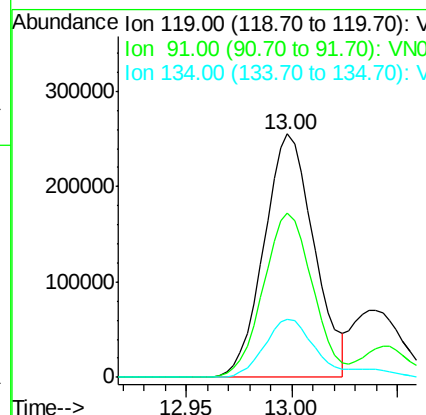
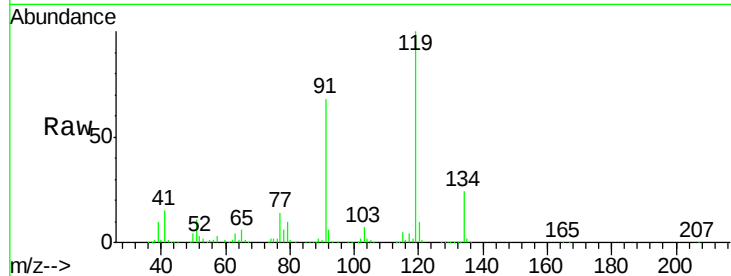
#83
tert-Butylbenzene
Concen: 17.022 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.7	33.8	101.3
134	26.3	11.6	34.8

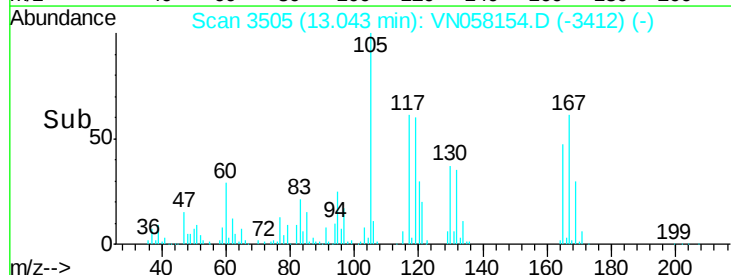
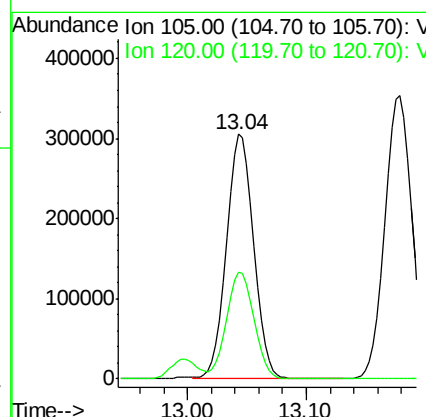
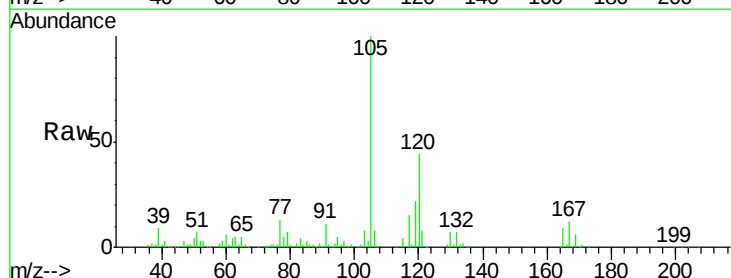
Manual Integrations
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#84
1,2,4-Trimethylbenzene
Concen: 17.048 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.1	66.5





#85

sec-Butylbenzene

Concen: 17.165 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 563329

Ion Ratio Lower Upper

105 100

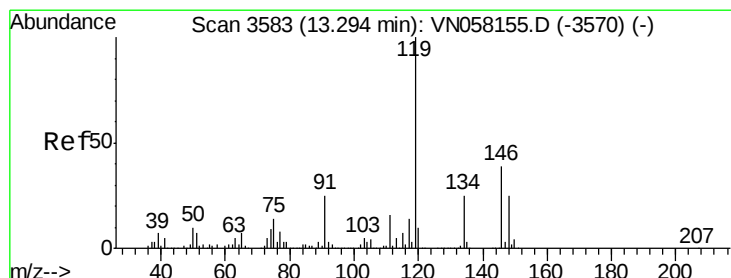
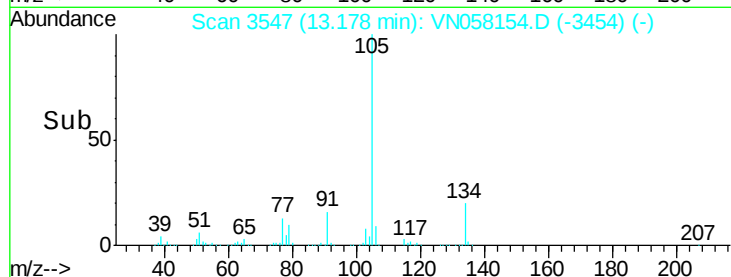
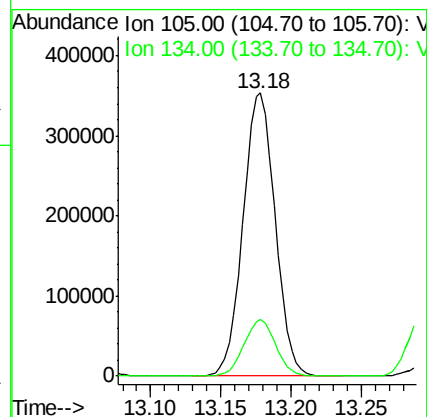
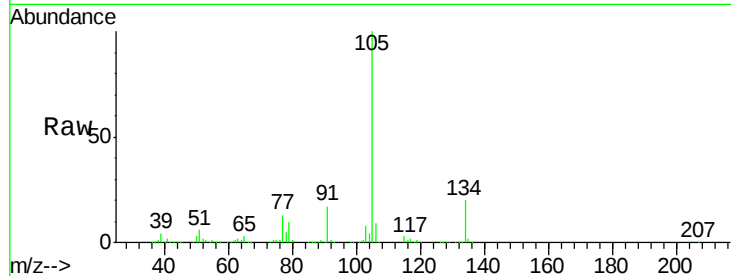
134 19.7 9.5 28.5

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#86

p-Isopropyltoluene

Concen: 17.581 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

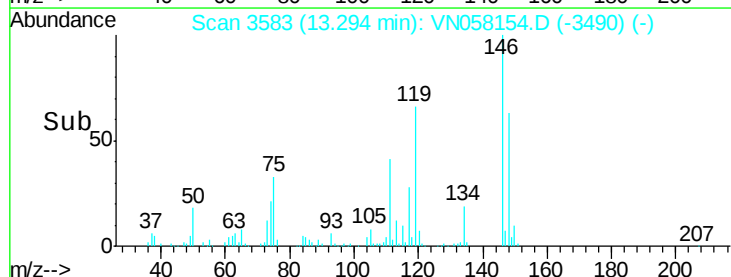
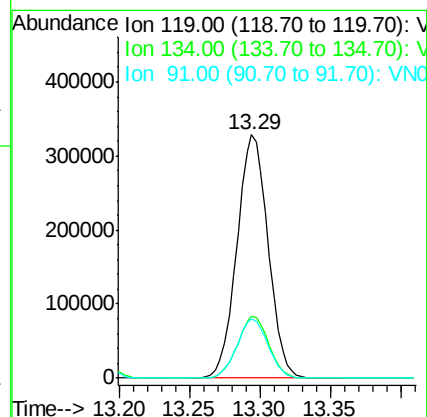
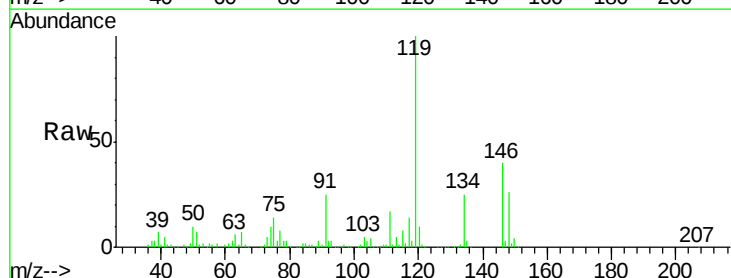
Tgt Ion:119 Resp: 507686

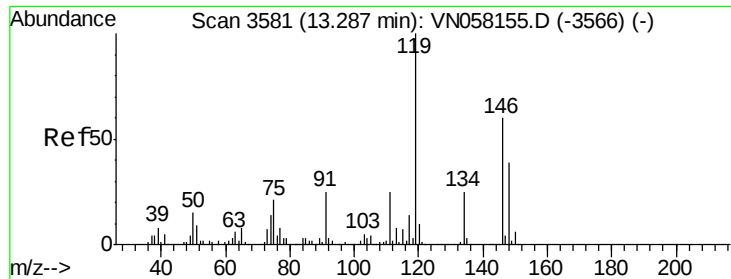
Ion Ratio Lower Upper

119 100

134 25.6 12.7 38.0

91 24.5 12.3 36.8





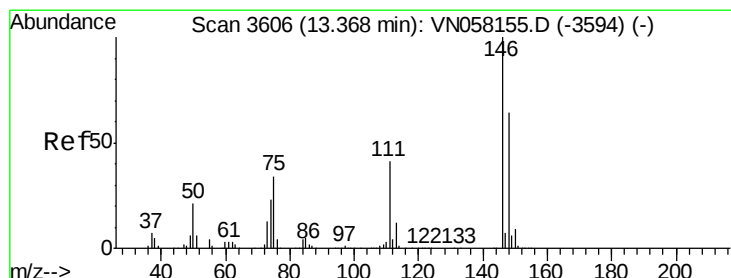
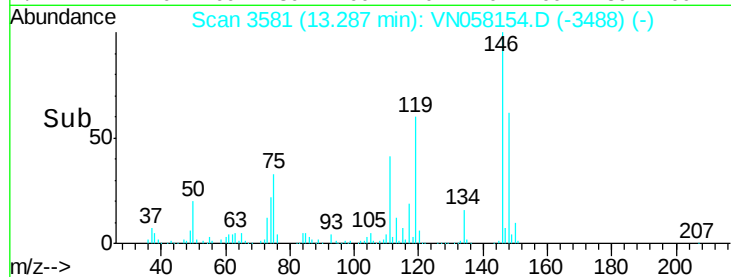
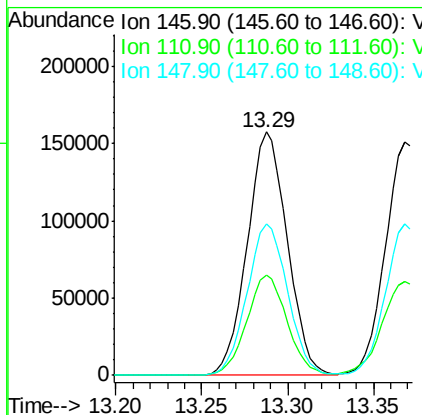
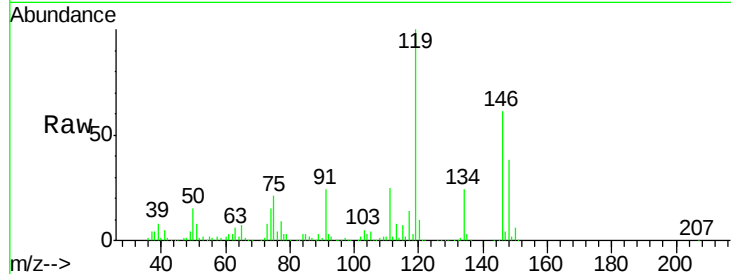
#87
 1,3-Dichlorobenzene
 Concen: 16.816 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	254001		
111	41.4	20.9	62.8	
148	63.0	32.0	96.2	

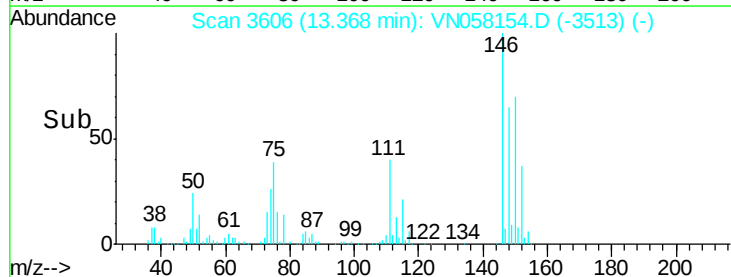
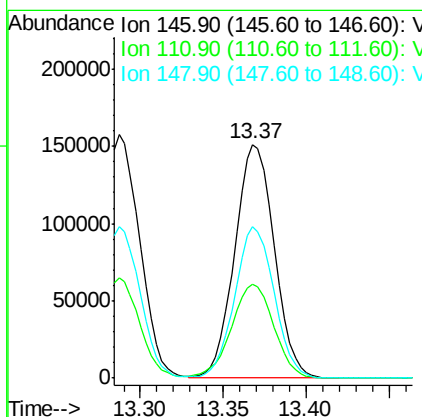
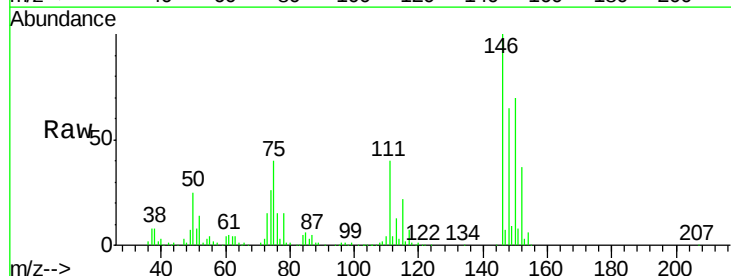
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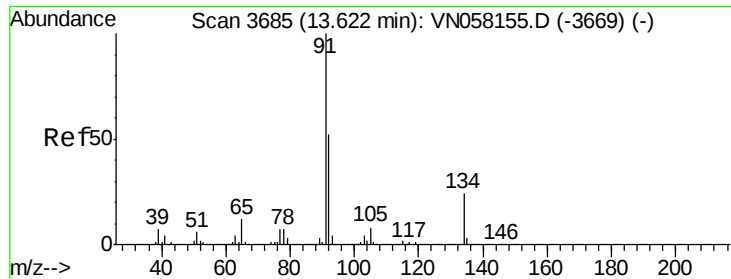
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#88
 1,4-Dichlorobenzene
 Concen: 16.214 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	249452		
111	43.5	20.5	61.5	
148	65.2	31.9	95.5	





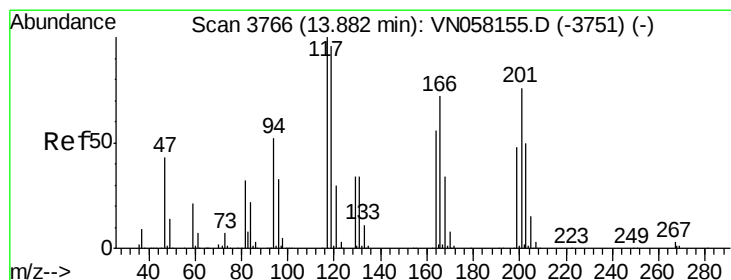
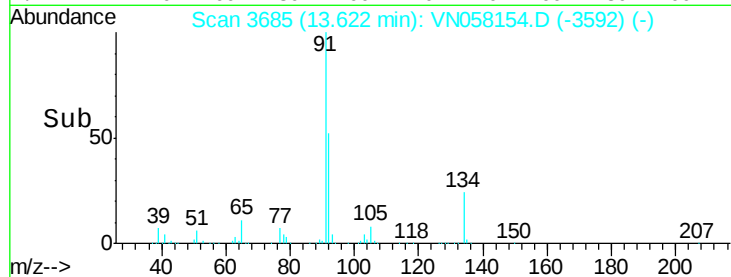
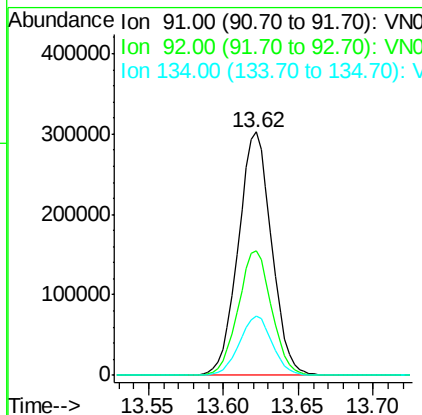
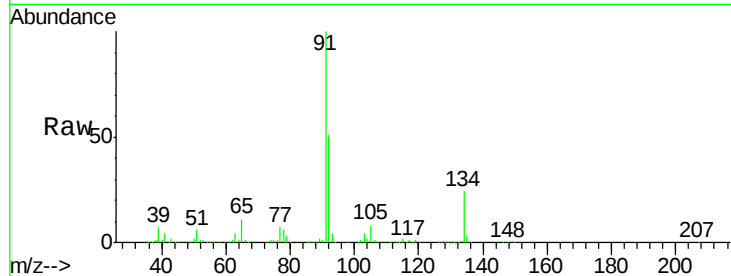
#89
n-Butylbenzene
Concen: 17.144 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	25.7	77.0
134	24.1	11.8	35.4

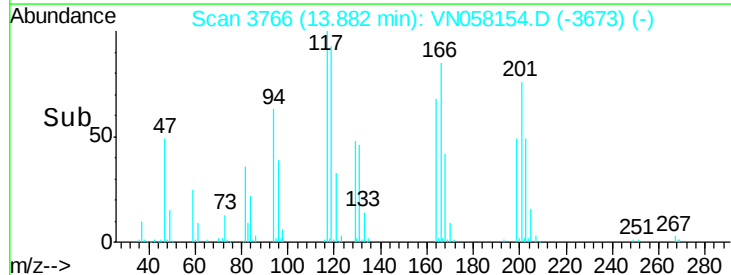
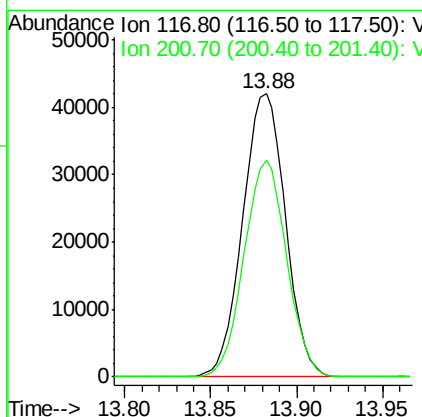
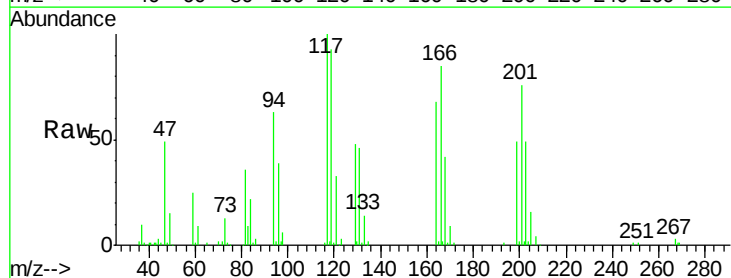
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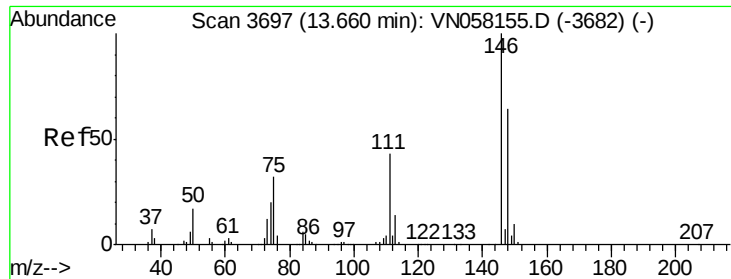
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#90
Hexachloroethane
Concen: 16.794 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.2	37.5	112.5





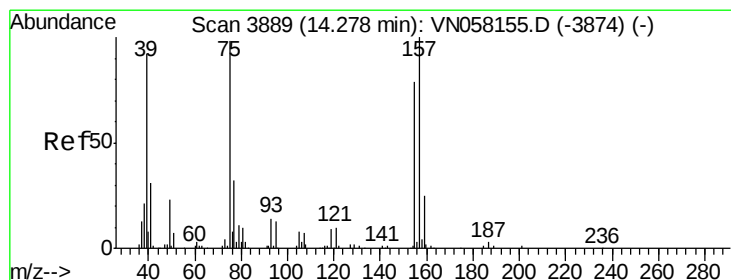
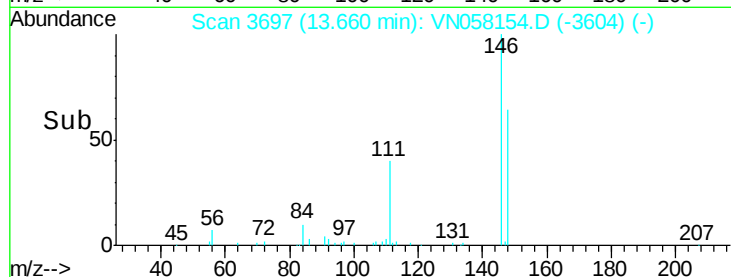
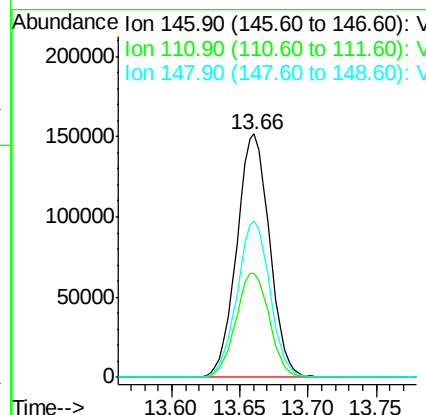
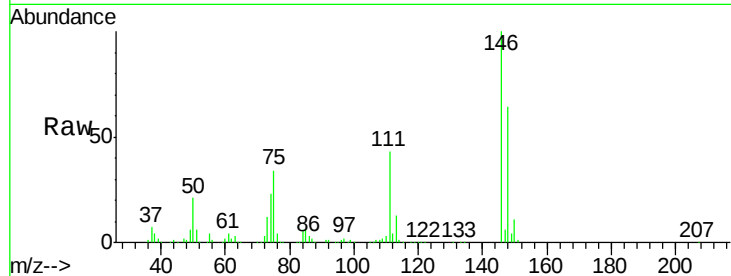
#91
 1,2-Dichlorobenzene
 Concen: 16.765 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	253674		
111	43.6	21.1	63.1	
148	64.3	31.8	95.4	

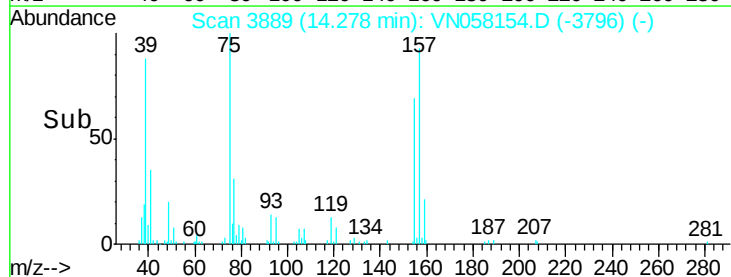
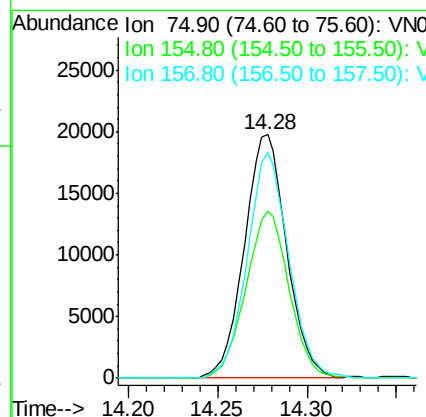
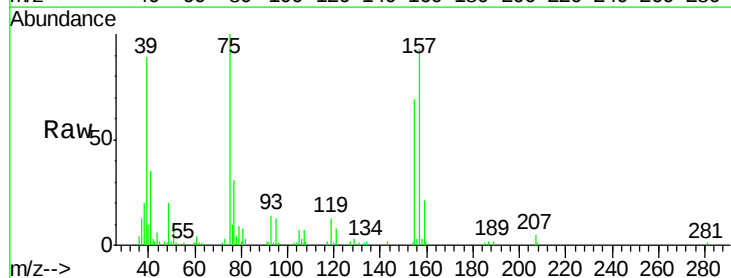
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.826 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	32818		
155	70.0	38.3	114.8	
157	91.0	48.0	144.0	





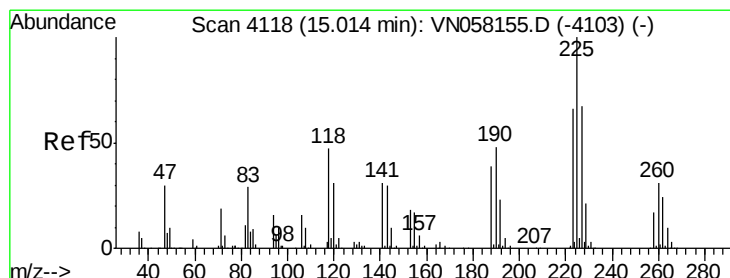
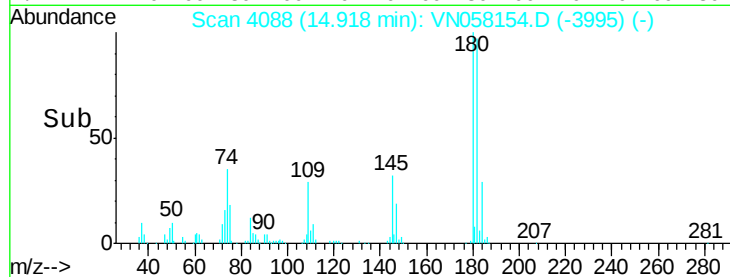
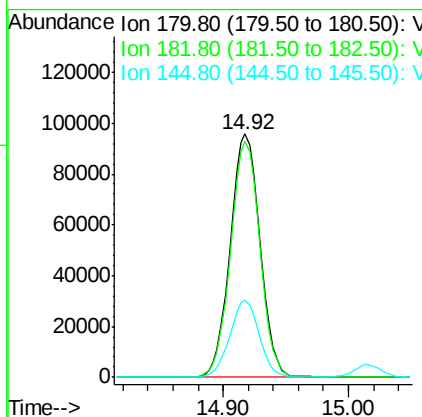
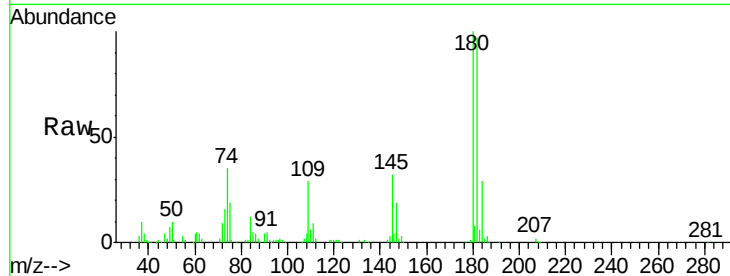
#93
 1,2,4-Trichlorobenzene
 Concen: 15.796 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion:180	Resp:	157929
Ion Ratio	Lower	Upper
180	100	
182	95.9	47.8 143.3
145	31.2	15.4 46.4

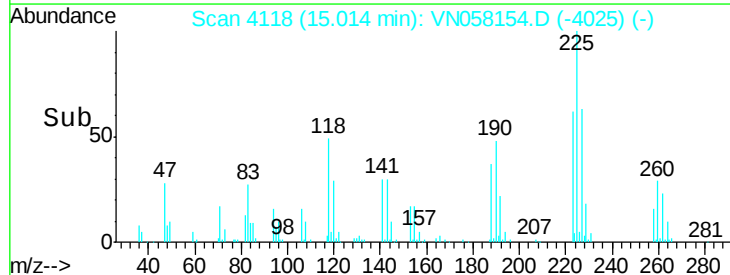
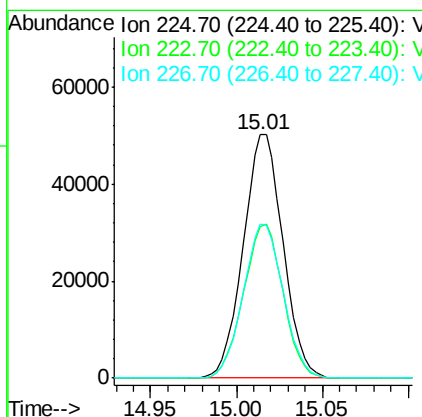
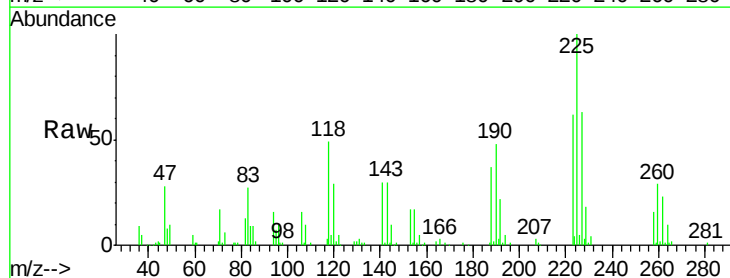
Manual Integrations
 APPROVED

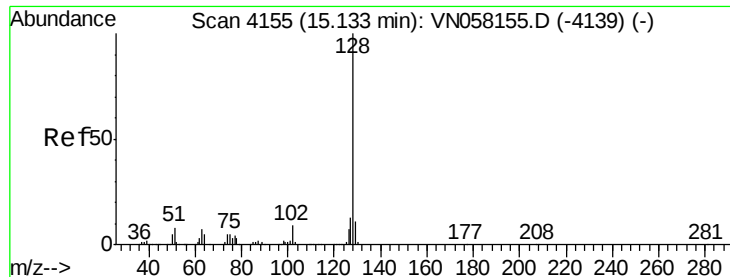
MMDadoda
 9/20/2019 1:14:19 PM



#94
 Hexachlorobutadiene
 Concen: 18.743 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Tgt Ion:225	Resp:	80346
Ion Ratio	Lower	Upper
225	100	
223	62.8	32.6 97.7
227	63.6	33.0 99.0





#95

Naphthalene

Concen: 14.825 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

Instrument :

MSVOA_N

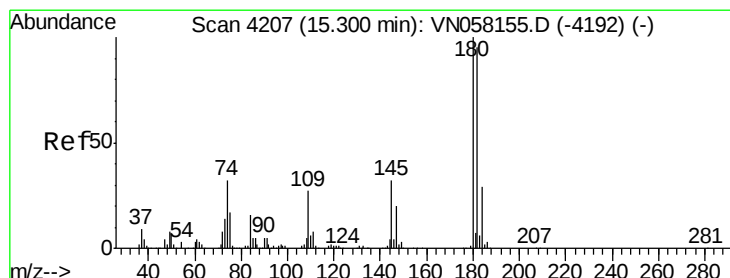
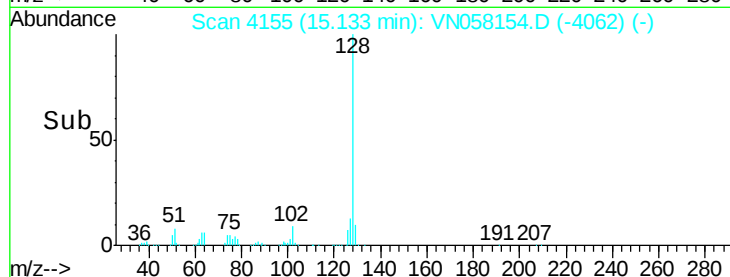
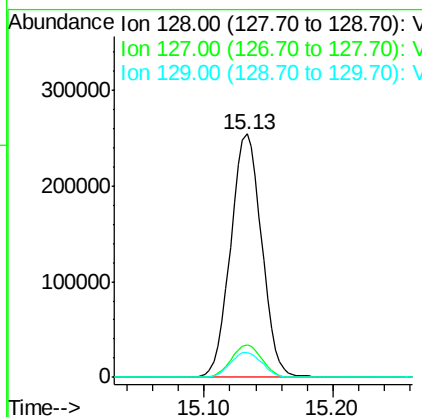
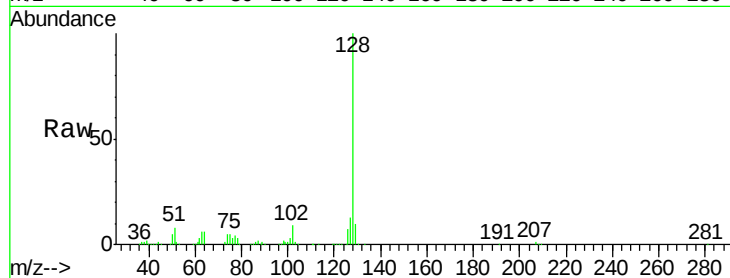
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	424679
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.2	15.2
129	10.5	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/20/2019 1:14:19 PM



#96

1,2,3-Trichlorobenzene

Concen: 15.273 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

Tgt Ion:	180	Resp:	149361
Ion Ratio	Lower	Upper	
180	100		
182	94.7	47.4	142.2
145	31.8	16.1	48.2

