

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091819\
 Data File : VN058152.D
 Acq On : 18 Sep 2019 9:21
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 1:14:09 PM

Quant Time: Sep 19 01:54:05 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	563932	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	957566	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	823388	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	371819	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	4881	0.677	ug/l	99
3) Chloromethane	2.04	50	6118	0.838	ug/l #	84
4) Vinyl Chloride	2.17	62	5777	0.749	ug/l #	88
6) Chloroethane	2.69	64	4048	0.819	ug/l	94
7) Trichlorofluoromethane	3.00	101	7493	0.763	ug/l	91
8) Diethyl Ether	3.40	74	3298	0.790	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.74	101	5333	0.850	ug/l	99
12) 1,1-Dichloroethene	3.71	96	4964	0.882	ug/l	86
14) Allyl chloride	4.29	41	7852	0.710	ug/l	88
15) Acrylonitrile	4.98	53	12167m	3.403	ug/l	
16) Acetone	3.80	43	15853	4.511	ug/l	97
17) Carbon Disulfide	4.03	76	8342	0.813	ug/l	98
18) Methyl Acetate	4.31	43	8696	0.925	ug/l	98
19) Methyl tert-butyl Ether	5.02	73	17693	0.752	ug/l	93
20) Methylene Chloride	4.53	84	6615	0.866	ug/l #	86
21) trans-1,2-Dichloroethene	5.02	96	5093	0.837	ug/l #	72
22) Diisopropyl ether	5.93	45	19472	0.751	ug/l #	82
23) Vinyl Acetate	5.88	43	65724	3.596	ug/l	99
24) 1,1-Dichloroethane	5.82	63	11078m	0.783	ug/l	
25) 2-Butanone	6.82	43	17509	3.440	ug/l	92
26) 2,2-Dichloropropane	6.80	77	9921m	0.883	ug/l	
27) cis-1,2-Dichloroethene	6.81	96	6087	0.743	ug/l	83
28) Bromochloromethane	7.17	49	5416	0.766	ug/l #	92
29) Tetrahydrofuran	7.20	42	11660	3.717	ug/l	93
30) Chloroform	7.35	83	12665	0.853	ug/l	99
32) 1,1,1-Trichloroethane	7.56	97	8175	0.695	ug/l #	52
36) 1,1-Dichloropropene	7.78	75	8288	0.796	ug/l	97
37) Ethyl Acetate	6.91	43	7140m	0.662	ug/l	
38) Carbon Tetrachloride	7.76	117	7721m	0.809	ug/l	
39) Methylcyclohexane	9.07	83	8640	0.792	ug/l	94
40) Benzene	8.03	78	23161	0.739	ug/l	98
41) Methacrylonitrile	7.17	41	4158m	0.850	ug/l	
42) 1,2-Dichloroethane	8.11	62	9633	0.766	ug/l	95
43) Isopropyl Acetate	8.16	43	14194	0.782	ug/l #	78

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 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)
44) Trichloroethene	8.82	130	5241	0.680	ug/l	83
45) 1,2-Dichloropropane	9.11	63	6319	0.691	ug/l	90
46) Dibromomethane	9.20	93	3952	0.715	ug/l	97
47) Bromodichloromethane	9.39	83	7527	0.684	ug/l #	96
48) Methyl methacrylate	9.19	41	5595	0.611	ug/l	91
49) 1,4-Dioxane	9.19	88	2017	12.968	ug/l	94
51) 4-Methyl-2-Pentanone	9.98	43	34845	3.282	ug/l	97
52) Toluene	10.15	92	13905	0.705	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	7065	0.611	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	8303	0.650	ug/l #	85
55) 1,1,2-Trichloroethane	10.56	97	5751	0.688	ug/l	96
56) Ethyl methacrylate	10.43	69	6919	0.552	ug/l #	84
57) 1,3-Dichloropropane	10.70	76	10299	0.715	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.69	63	18497	3.165	ug/l	99
59) 2-Hexanone	10.75	43	24817	3.126	ug/l	96
60) Dibromochloromethane	10.90	129	4528	0.584	ug/l	98
61) 1,2-Dibromoethane	11.00	107	5229	0.663	ug/l	99
64) Tetrachloroethene	10.63	164	4566	0.795	ug/l	91
65) Chlorobenzene	11.43	112	15672	0.773	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	4840	0.686	ug/l #	63
67) Ethyl Benzene	11.51	91	26963	0.760	ug/l	91
68) m/p-Xylenes	11.62	106	19794	1.523	ug/l	98
69) o-Xylene	11.95	106	9269	0.720	ug/l	95
70) Styrene	11.97	104	14330	0.647	ug/l	97
71) Bromoform	12.13	173	2406	0.549	ug/l #	96
73) Isopropylbenzene	12.25	105	25056	0.899	ug/l	100
74) N-amyl acetate	12.07	43	7934	0.658	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.51	83	8089	0.863	ug/l #	95
76) 1,2,3-Trichloropropane	12.56	75	7002m	0.868	ug/l	
77) Bromobenzene	12.53	156	6641	0.951	ug/l	90
78) n-propylbenzene	12.60	91	27662	0.866	ug/l	99
79) 2-Chlorotoluene	12.68	91	16596	0.820	ug/l	95
80) 1,3,5-Trimethylbenzene	12.74	105	19141	0.812	ug/l	94
82) 4-Chlorotoluene	12.78	91	17647	0.849	ug/l	100
83) tert-Butylbenzene	13.00	119	17446	0.833	ug/l	95
84) 1,2,4-Trimethylbenzene	13.05	105	19169	0.802	ug/l	99
85) sec-Butylbenzene	13.18	105	23157	0.835	ug/l	98
86) p-Isopropyltoluene	13.29	119	19235	0.789	ug/l	96
87) 1,3-Dichlorobenzene	13.29	146	10374	0.813	ug/l	97
88) 1,4-Dichlorobenzene	13.37	146	11408m	0.878	ug/l	
89) n-Butylbenzene	13.62	91	18444	0.798	ug/l	98
90) Hexachloroethane	13.88	117	2556	0.701	ug/l	95
91) 1,2-Dichlorobenzene	13.66	146	10487	0.820	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.28	75	1155	0.743	ug/l #	22
93) 1,2,4-Trichlorobenzene	14.92	180	6046	0.716	ug/l	98
94) Hexachlorobutadiene	15.01	225	3061	0.845	ug/l	97
95) Naphthalene	15.13	128	14966	0.619	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	5615	0.680	ug/l	96

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MSVOA_N
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VSTDICC001

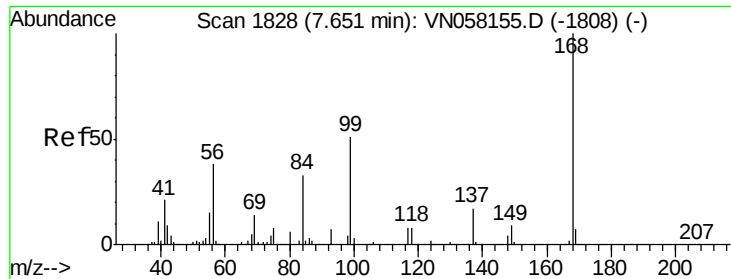
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:168 Resp: 563932

Ion Ratio Lower Upper

168 100

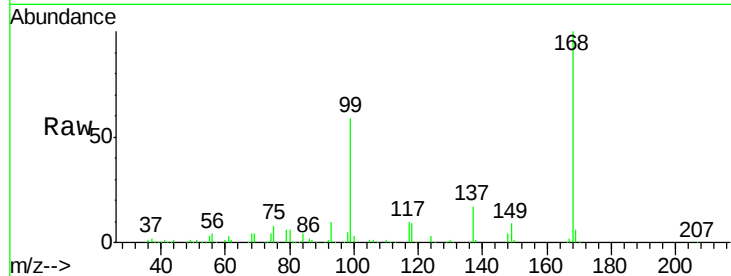
99 58.6 47.4 71.2

Manual Integrations

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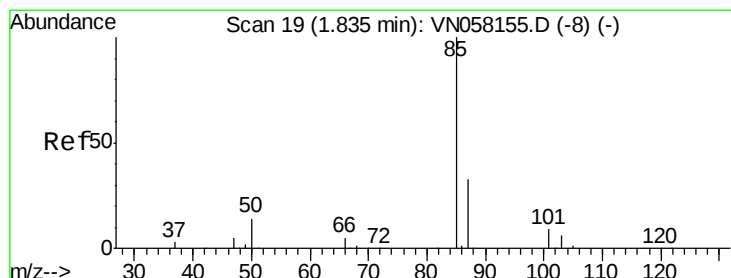
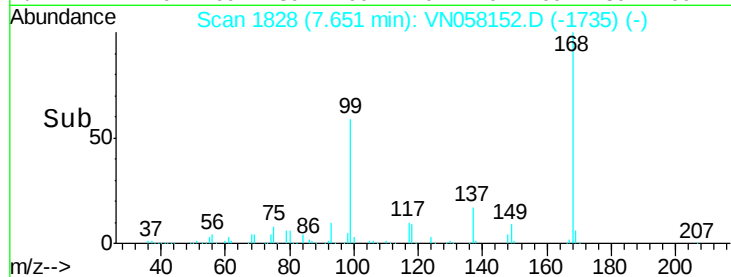
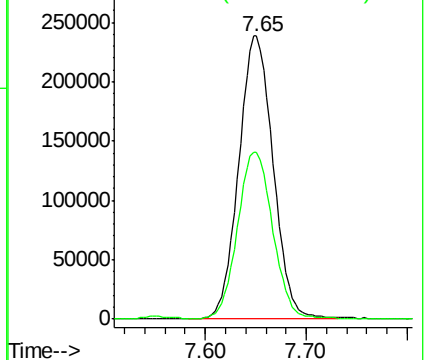
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 0.677 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058152.D

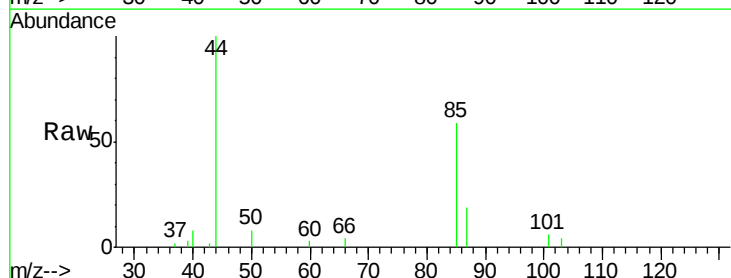
Acq: 18 Sep 2019 9:21

Tgt Ion: 85 Resp: 4881

Ion Ratio Lower Upper

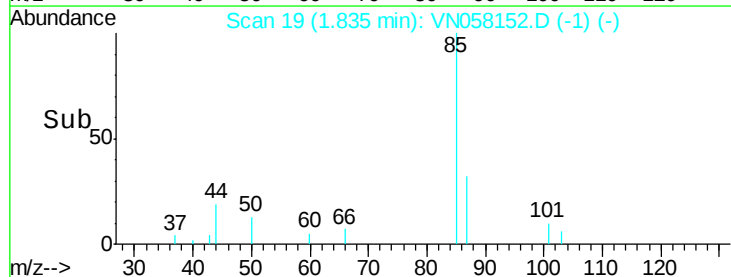
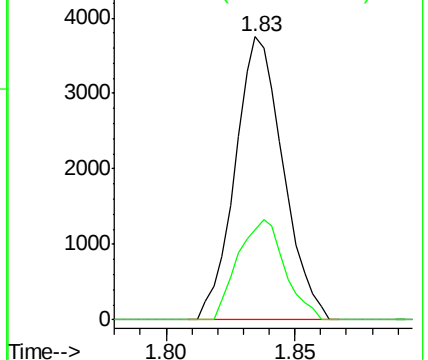
85 100

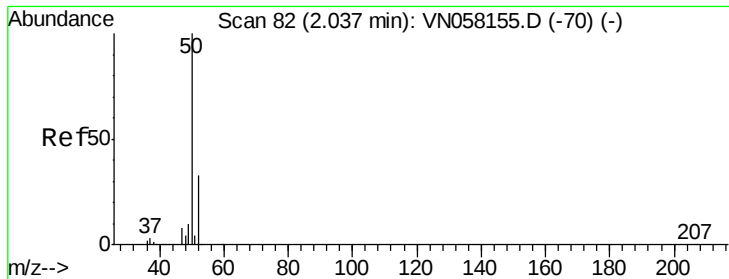
87 31.9 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 0.838 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 6118

Ion Ratio Lower Upper

50 100

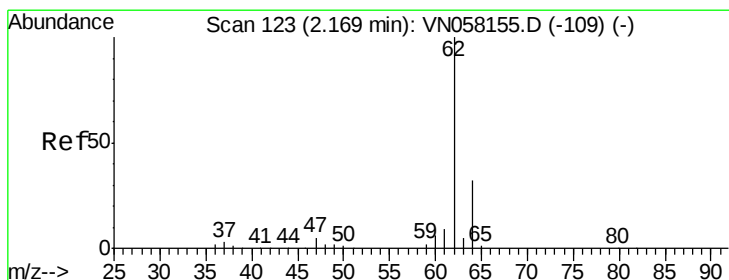
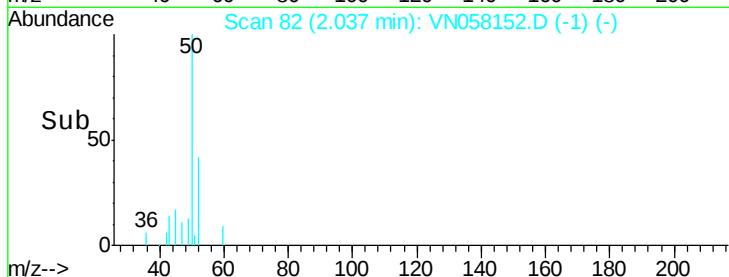
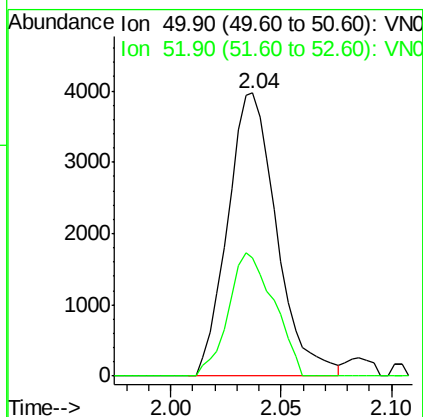
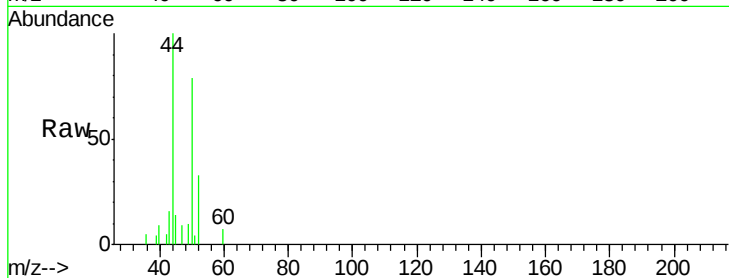
52 41.8 26.3 39.5#

Manual Integrations

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#4

Vinyl Chloride

Concen: 0.749 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058152.D

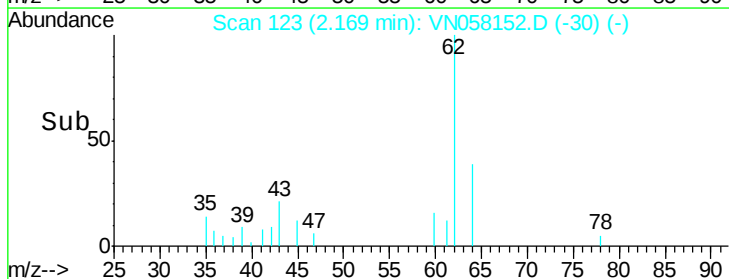
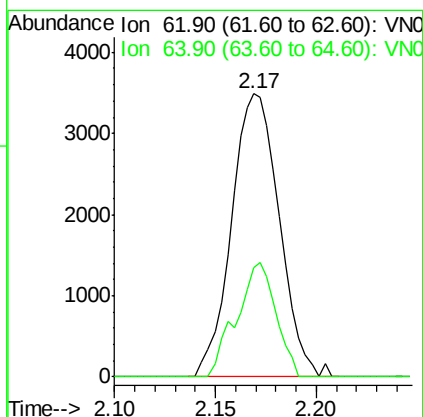
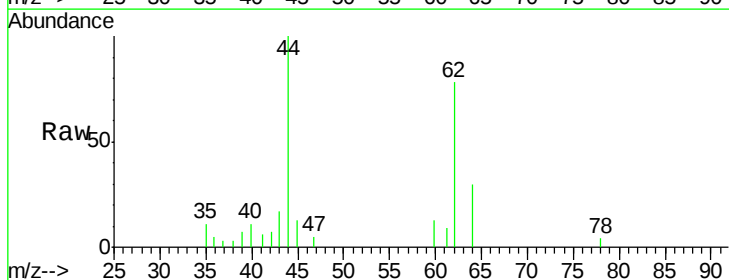
Acq: 18 Sep 2019 9:21

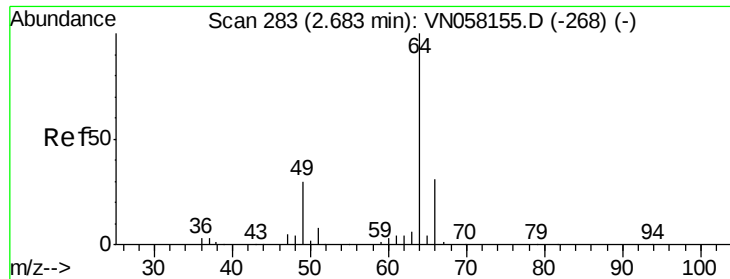
Tgt Ion: 62 Resp: 5777

Ion Ratio Lower Upper

62 100

64 38.7 25.4 38.2#





#6

Chloroethane

Concen: 0.819 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.01 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 64 Resp: 4048

Ion Ratio Lower Upper

64 100

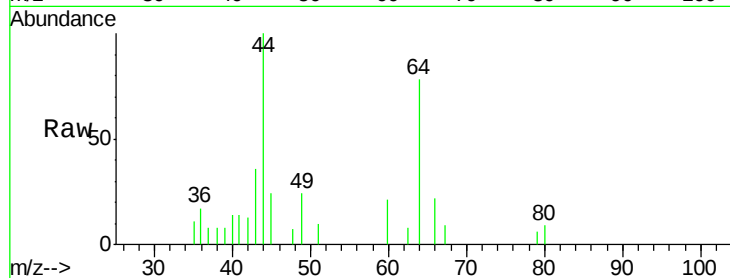
66 27.7 24.6 37.0

Manual Integrations

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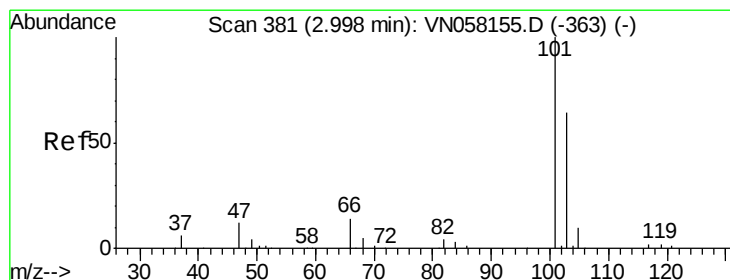
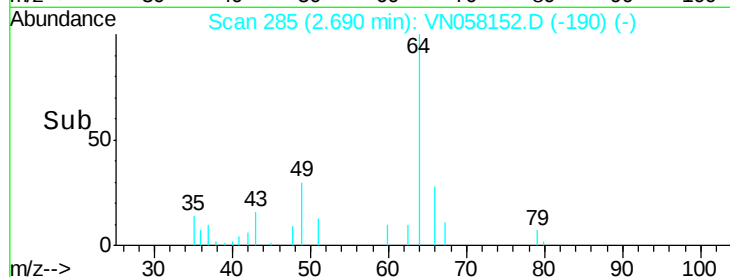
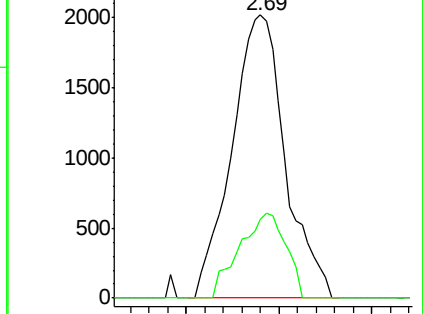
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Abundance Ion 63.90 (63.60 to 64.60): VN058155.D (-268) (-)

Ion 65.90 (65.60 to 66.60): VN058155.D (-268) (-)



#7

Trichlorofluoromethane

Concen: 0.763 ug/l

RT: 3.00 min Scan# 383

Delta R.T. 0.01 min

Lab File: VN058152.D

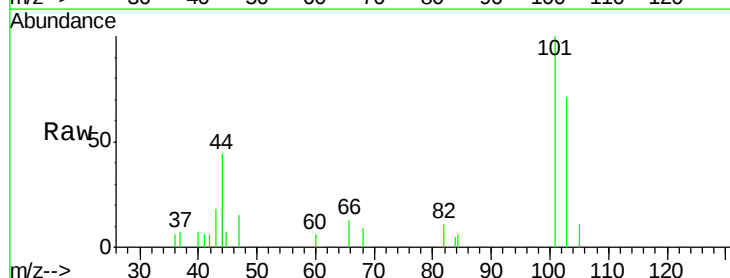
Acq: 18 Sep 2019 9:21

Tgt Ion: 101 Resp: 7493

Ion Ratio Lower Upper

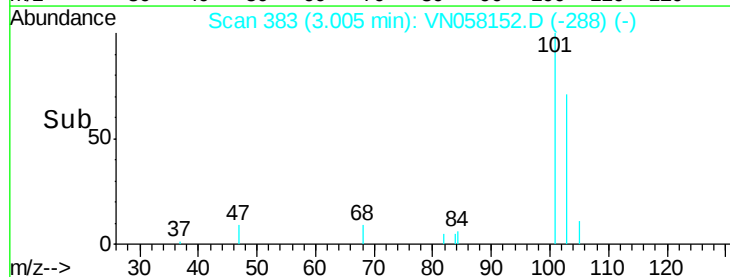
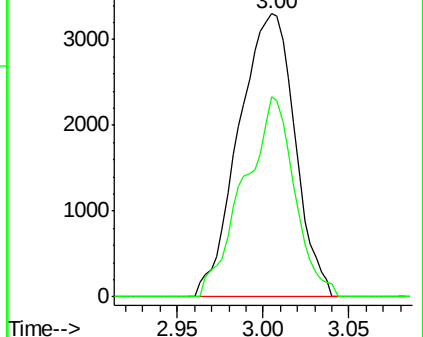
101 100

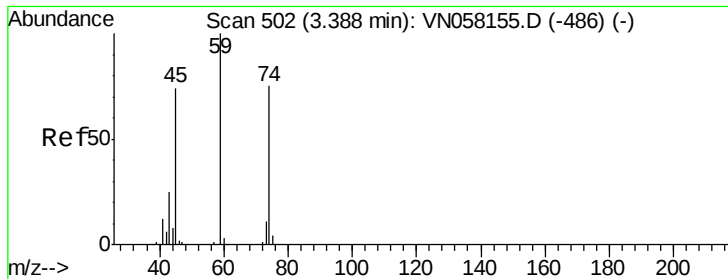
103 70.8 51.0 76.6



Abundance Ion 100.90 (100.60 to 101.60): VN058155.D (-363) (-)

Ion 102.80 (102.50 to 103.50): VN058155.D (-363) (-)





#8

Diethyl Ether

Concen: 0.790 ug/l

RT: 3.40 min Scan# 505

Delta R.T. 0.01 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 74 Resp: 3298

Ion Ratio Lower Upper

74 100

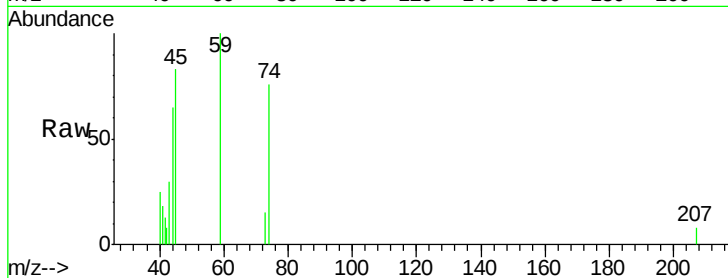
45 107.3 48.5 145.5

Manual Integrations

APPROVED

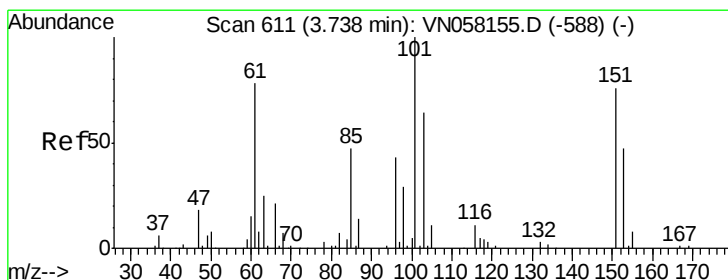
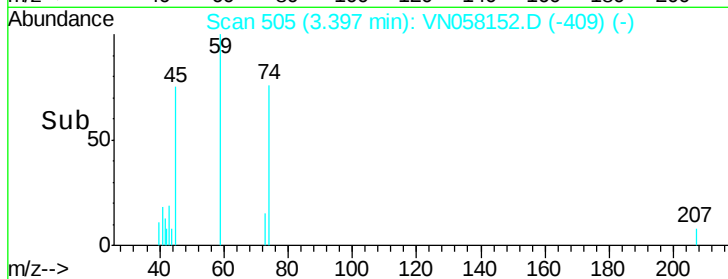
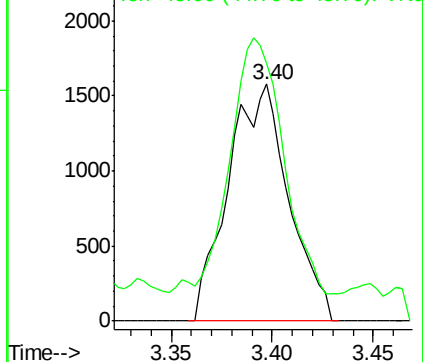
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Abundance Ion 74.00 (73.70 to 74.70): VN058155.D (-486) (-)

Ion 45.00 (44.70 to 45.70): VN058155.D (-486) (-)



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.850 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

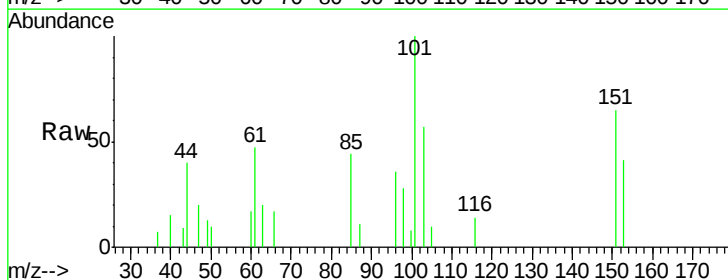
Tgt Ion: 101 Resp: 5333

Ion Ratio Lower Upper

101 100

85 47.7 37.3 55.9

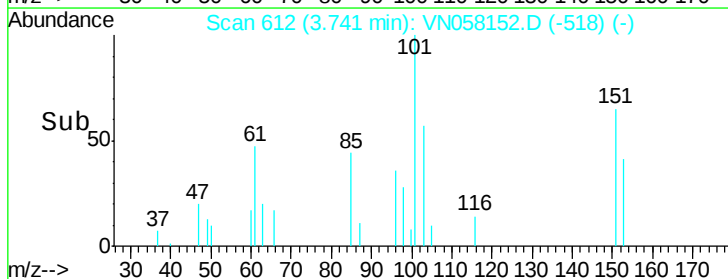
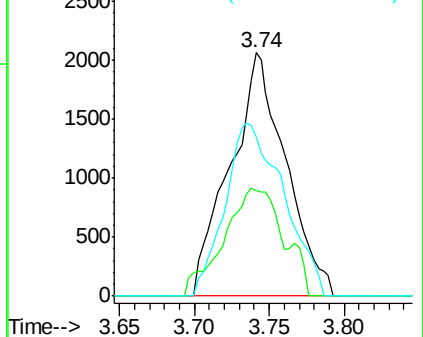
151 74.7 59.6 89.4

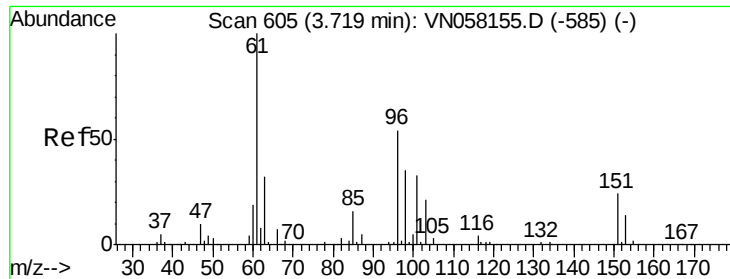


Abundance Ion 100.90 (100.60 to 101.60): VN058155.D (-588) (-)

Ion 84.90 (84.60 to 85.60): VN058155.D (-588) (-)

Ion 150.80 (150.50 to 151.50): VN058155.D (-588) (-)





#12

1,1-Dichloroethene

Concen: 0.882 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.01 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

Instrument :

MSVOA_N

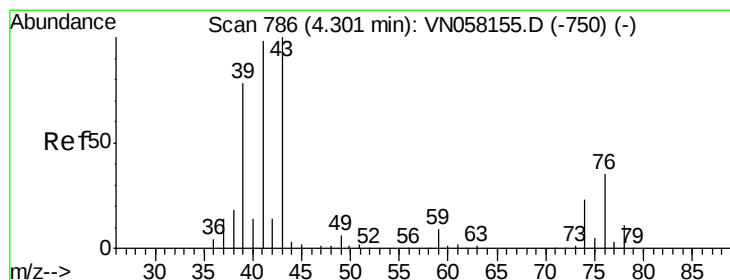
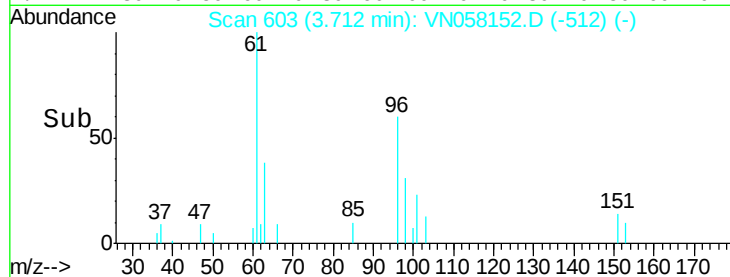
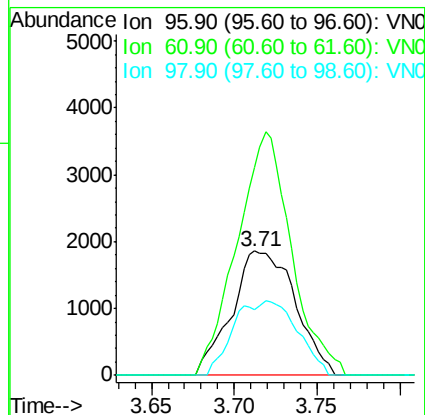
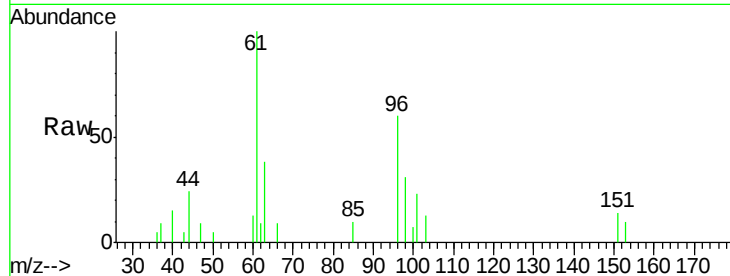
ClientSampleId :

VSTDIC001

Tot Ion:	96	Resp:	4964
Ion	Ratio	Lower	Upper
96	100		
61	167.2	149.5	224.3
98	52.5	52.4	78.6

Manual Integrations
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#14

Allyl chloride

Concen: 0.710 ug/l

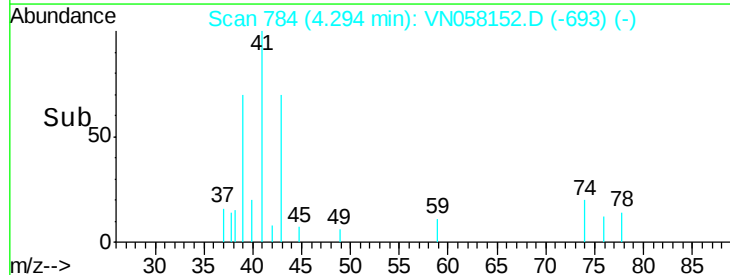
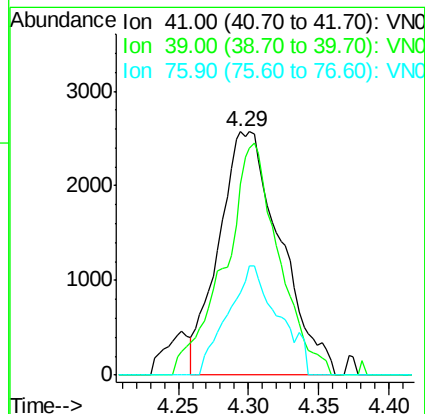
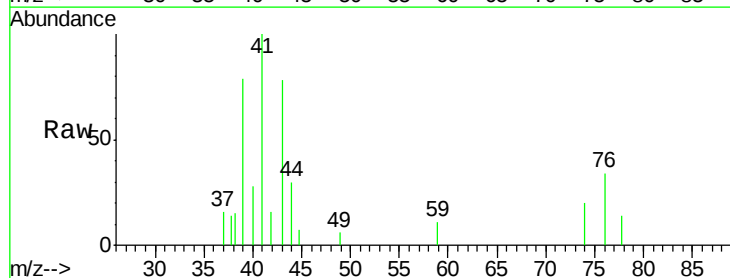
RT: 4.29 min Scan# 784

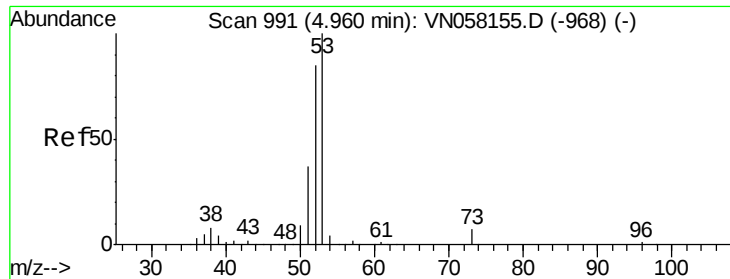
Delta R.T. -0.01 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

Tgt Ion:	41	Resp:	7852
Ion	Ratio	Lower	Upper
41	100		
39	84.2	59.1	88.7
76	37.0	25.1	37.7





#15

Acrylonitrile

Concen: 3.403 ug/l m

RT: 4.98 min Scan# 998

Delta R.T. 0.02 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

Instrument :

MSVOA_N

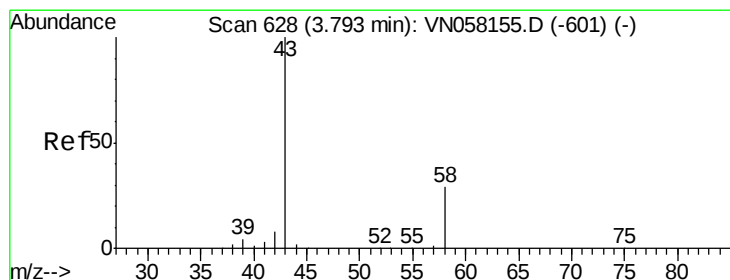
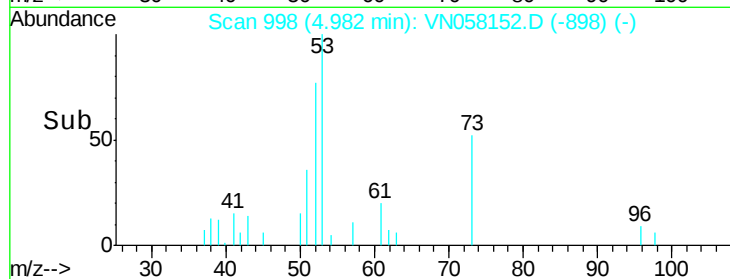
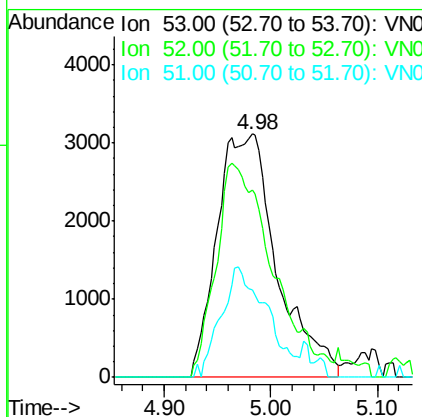
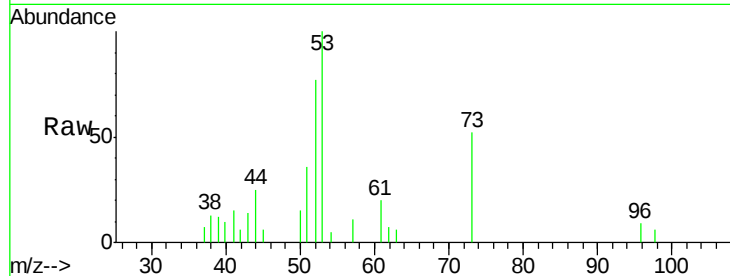
ClientSampleId :

VSTDIC001

Tot Ion:	53	Resp:	12167
Ion	Ratio	Lower	Upper
53	100		
52	83.5	66.6	100.0
51	34.9	29.7	44.5

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#16

Acetone

Concen: 4.511 ug/l

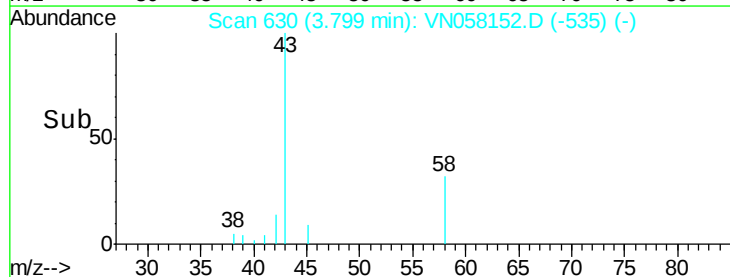
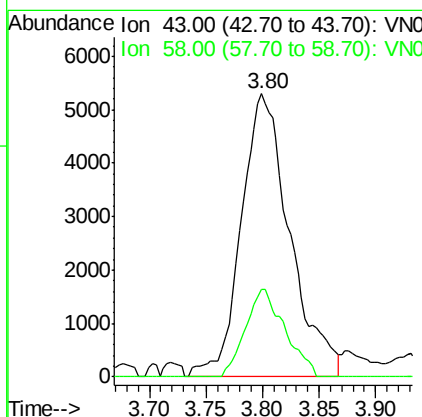
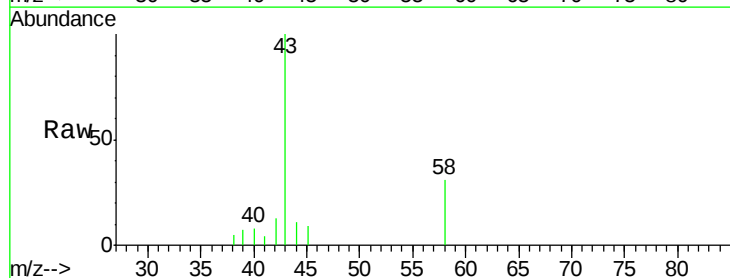
RT: 3.80 min Scan# 630

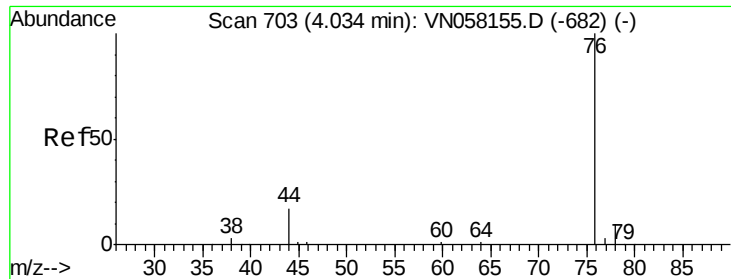
Delta R.T. 0.01 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

Tgt Ion:	43	Resp:	15853
Ion	Ratio	Lower	Upper
43	100		
58	31.0	23.4	35.2





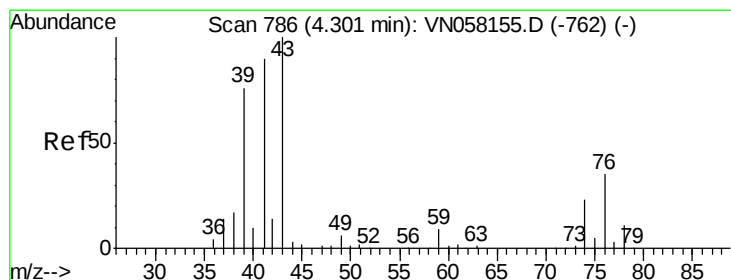
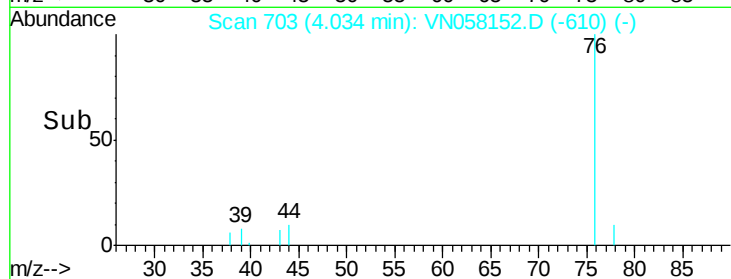
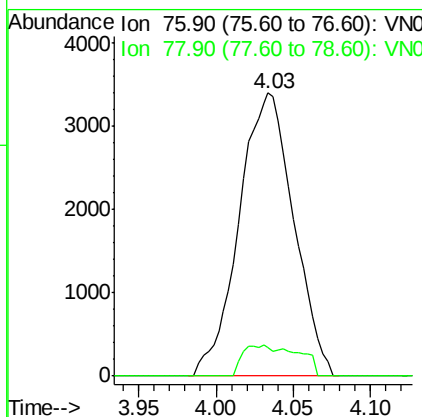
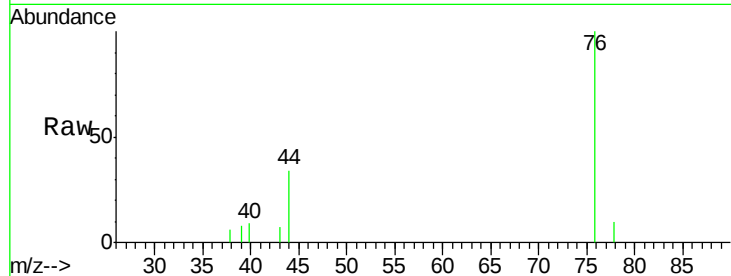
#17
Carbon Disulfide
Concen: 0.813 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN058152.D
Acq: 18 Sep 2019 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 76 Resp: 8342
Ion Ratio Lower Upper
76 100
78 10.3 7.7 11.5

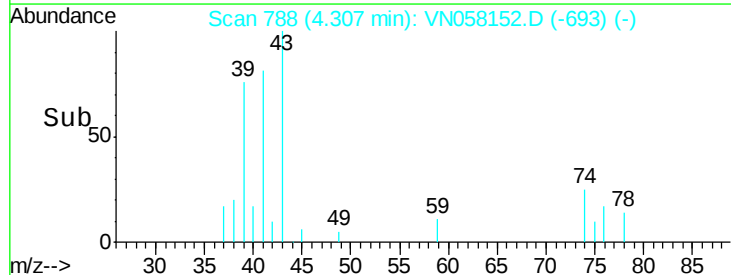
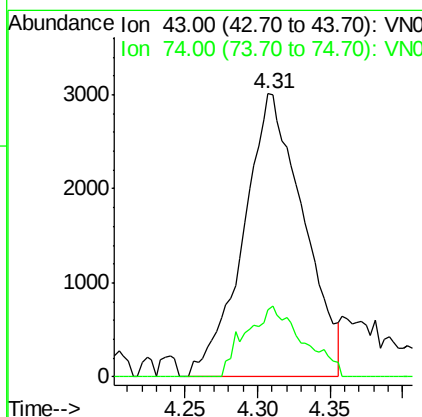
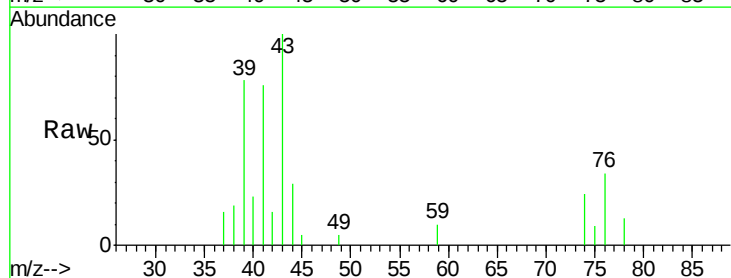
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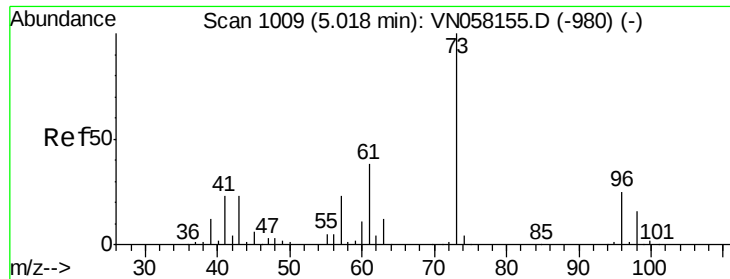
MMDadoda
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#18
Methyl Acetate
Concen: 0.925 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.01 min
Lab File: VN058152.D
Acq: 18 Sep 2019 9:21

Tgt Ion: 43 Resp: 8696
Ion Ratio Lower Upper
43 100
74 23.7 18.0 27.0





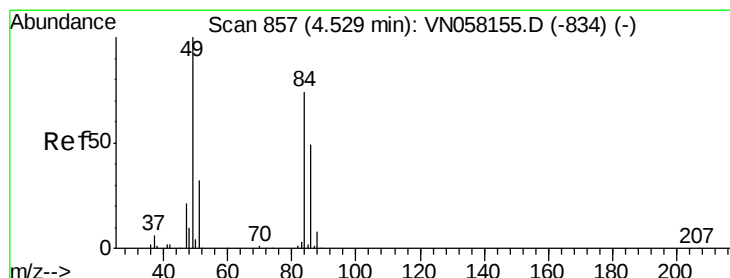
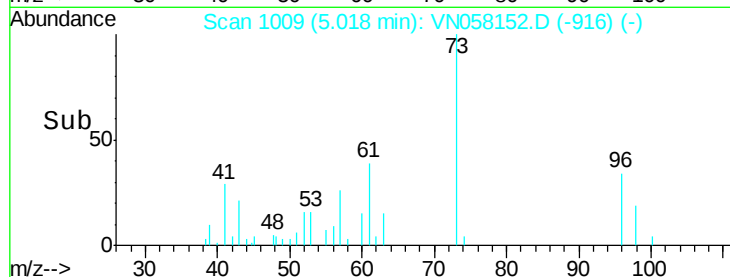
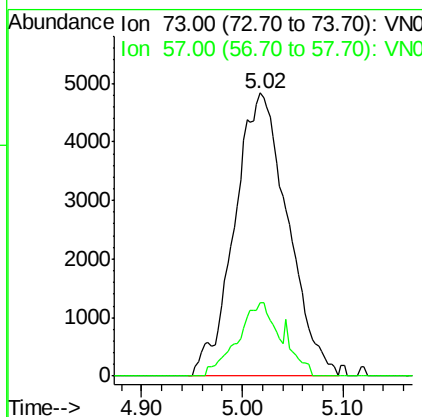
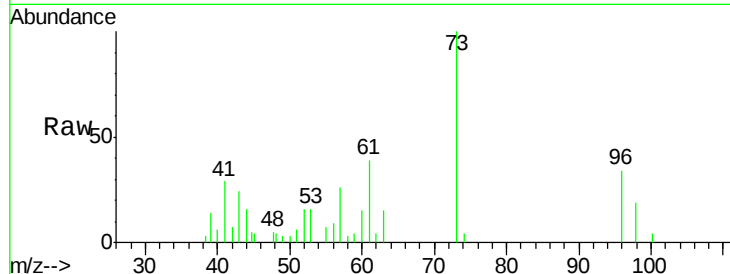
#19
Methvl tert-butvl Ether
Concen: 0.752 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058152.D
Acq: 18 Sep 2019 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 73 Resp: 17693
Ion Ratio Lower Upper
73 100
57 26.0 18.1 27.1

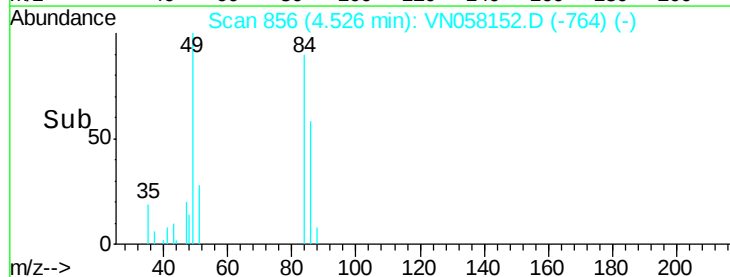
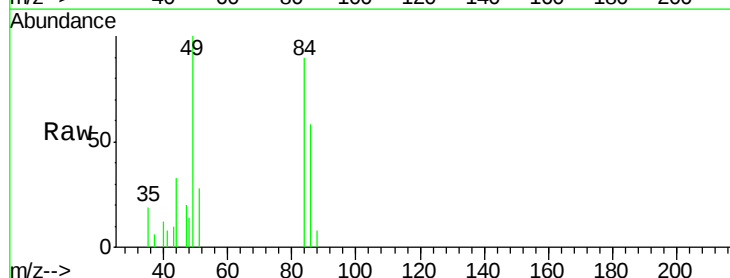
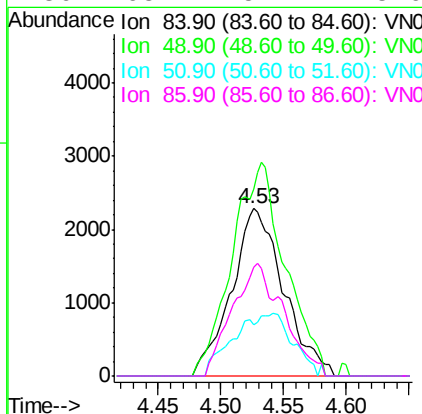
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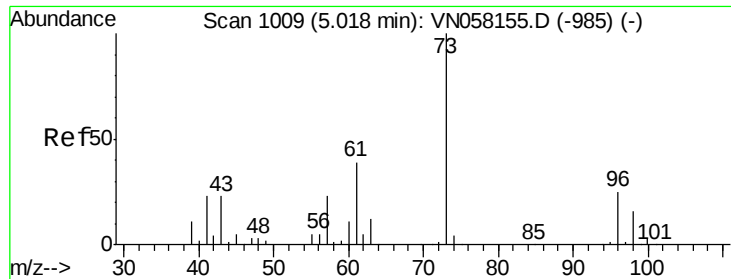
MMDadoda
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#20
Methylene Chloride
Concen: 0.866 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN058152.D
Acq: 18 Sep 2019 9:21

Tgt Ion: 84 Resp: 6615
Ion Ratio Lower Upper
84 100
49 111.4 107.5 161.3
51 30.6 33.9 50.9#
86 65.1 52.4 78.6





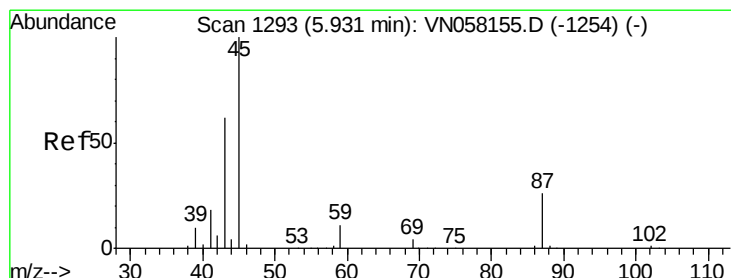
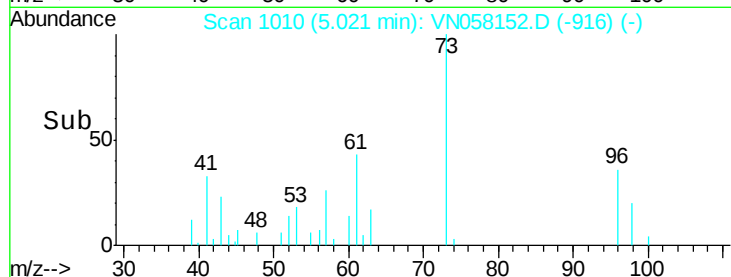
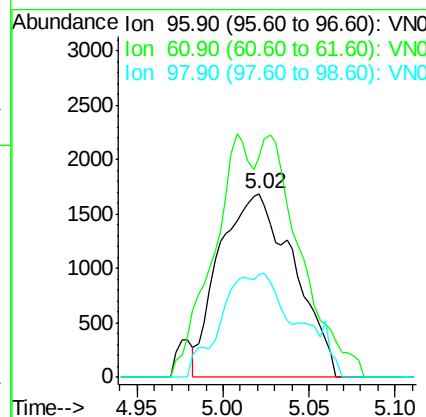
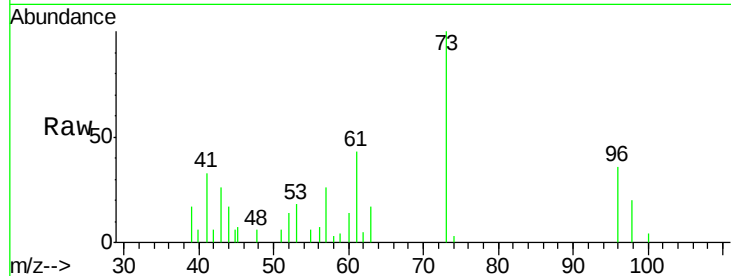
#21
trans-1,2-Dichloroethene
Concen: 0.837 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058152.D
Acq: 18 Sep 2019 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
96	100		
61	107.1	122.2	183.4#
98	55.9	49.9	74.9

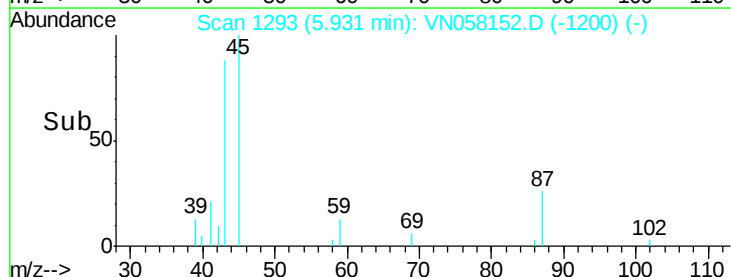
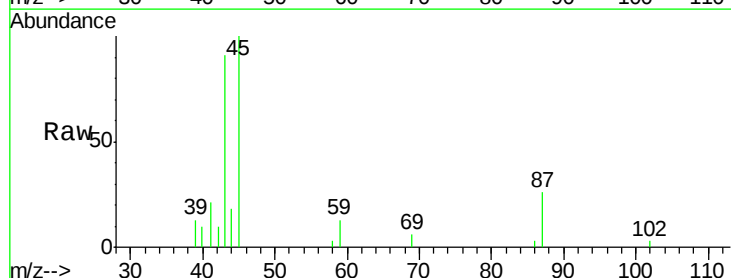
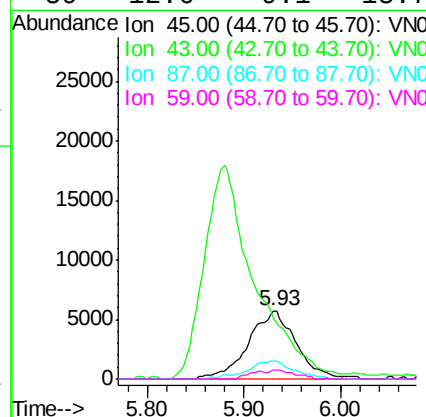
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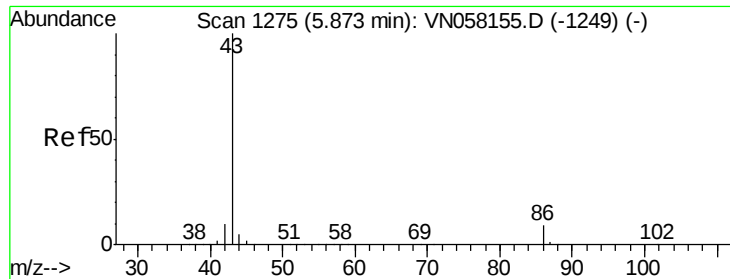
MMDadoda
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#22
Diisopropyl ether
Concen: 0.751 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN058152.D
Acq: 18 Sep 2019 9:21

Tgt Ion	Ratio	Lower	Upper
45	100		
43	83.2	49.7	74.5#
87	26.4	20.7	31.1
59	12.6	9.1	13.7





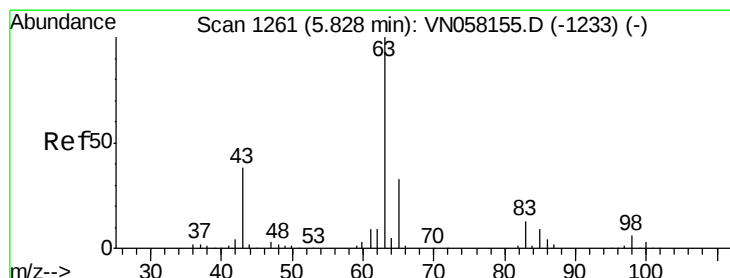
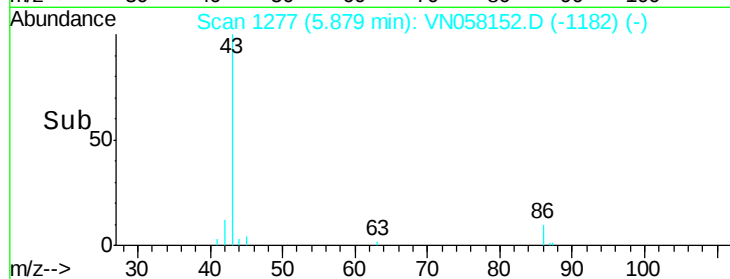
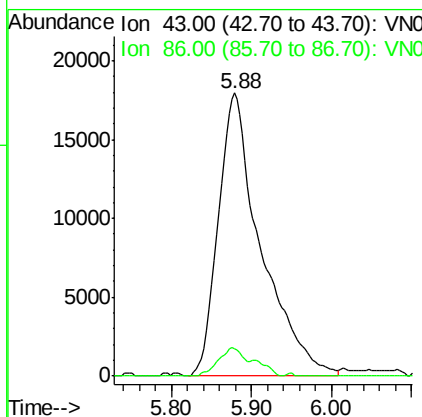
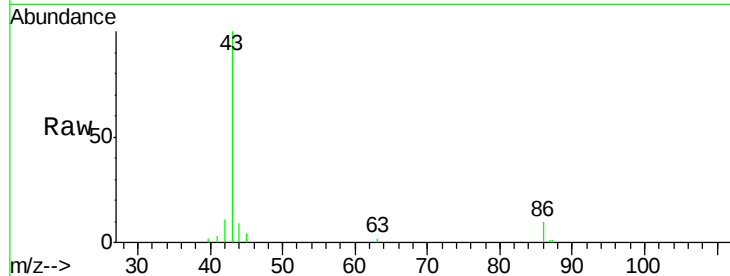
#23
 Vinyl Acetate
 Concen: 3.596 ug/l
 RT: 5.88 min Scan# 1277
 Delta R.T. 0.01 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	43	Resp	65724
Ion Ratio	Lower	Upper	
43	100		
86	9.7	7.4	11.2

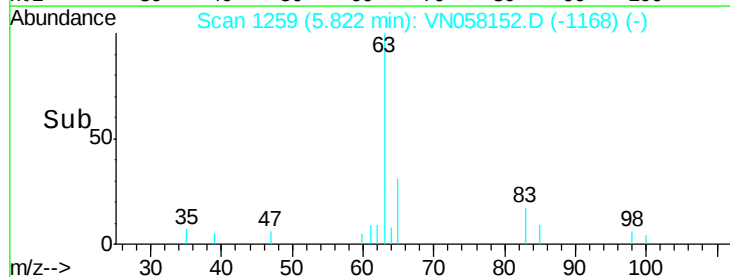
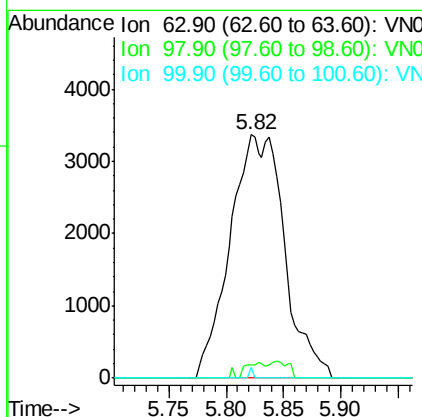
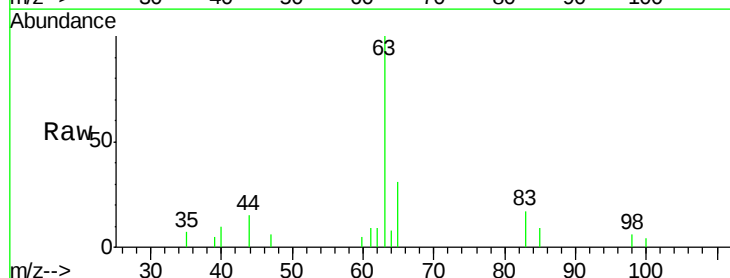
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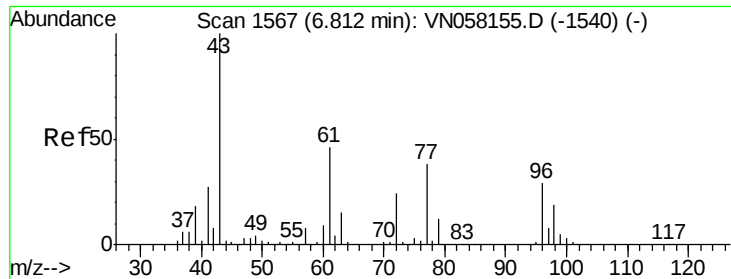
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#24
 1,1-Dichloroethane
 Concen: 0.783 ug/l m
 RT: 5.82 min Scan# 1259
 Delta R.T. -0.01 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Tgt Ion	63	Resp	11078
Ion Ratio	Lower	Upper	
63	100		
98	5.6	2.9	8.6
100	4.4	1.8	5.3





#25

2-Butanone

Concen: 3.440 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.01 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 17509

Ion Ratio Lower Upper

43 100

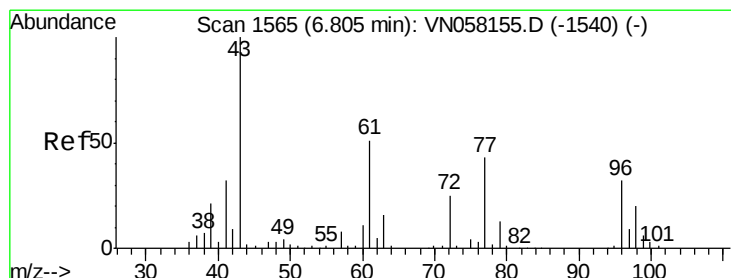
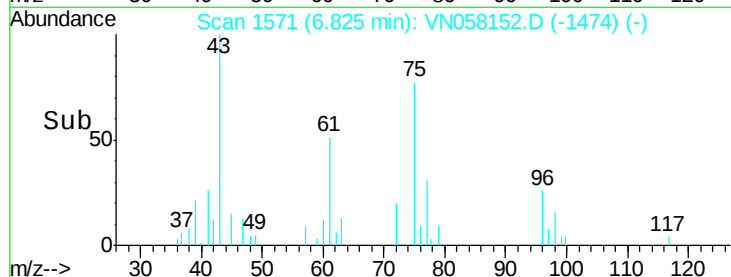
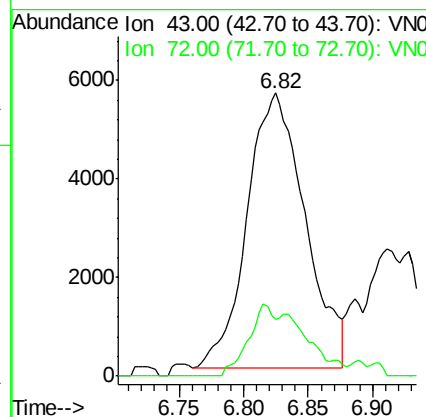
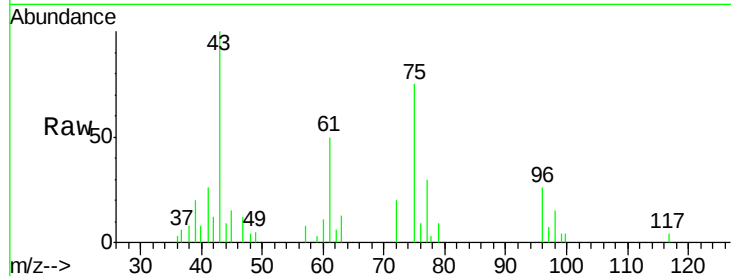
72 20.5 19.5 29.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 0.883 ug/l m

RT: 6.80 min Scan# 1562

Delta R.T. -0.01 min

Lab File: VN058152.D

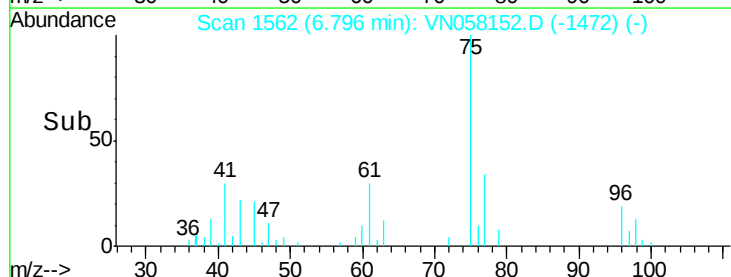
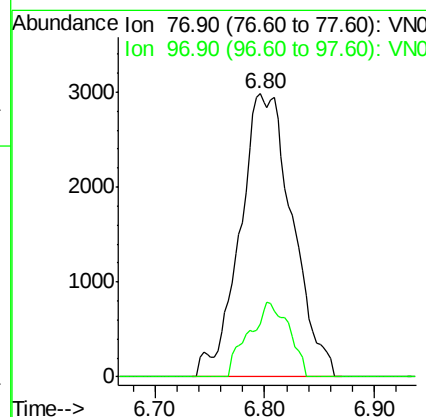
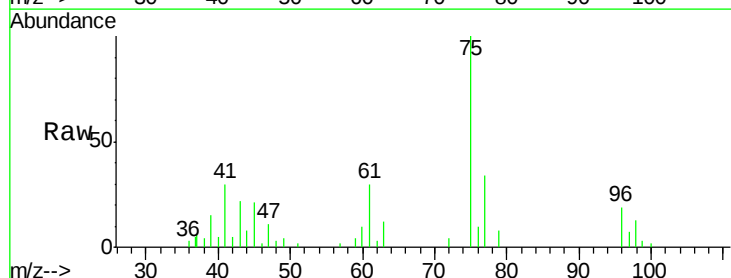
Acq: 18 Sep 2019 9:21

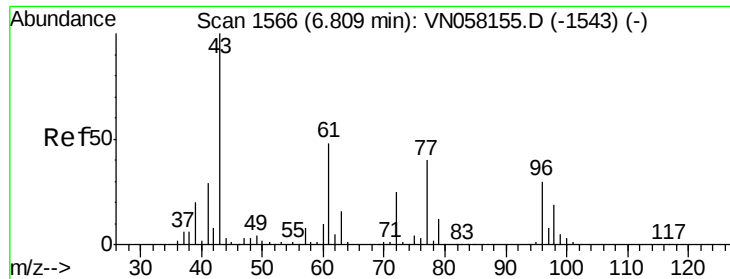
Tgt Ion: 77 Resp: 9921

Ion Ratio Lower Upper

77 100

97 20.2 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 0.743 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

Instrument :

MSVOA_N

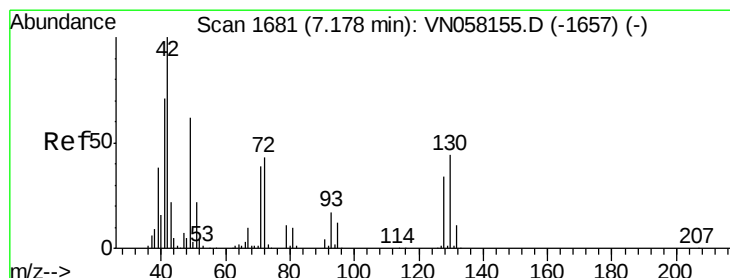
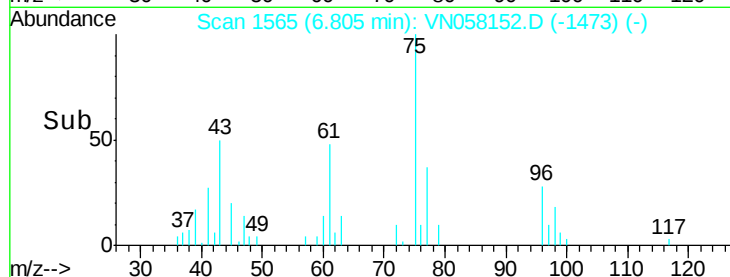
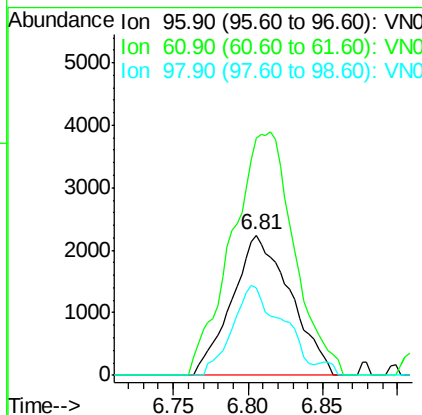
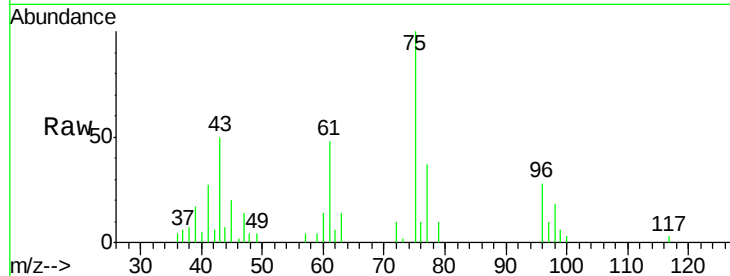
ClientSampleId :

VSTDIC001

Tot Ion:	96	Resp:	6087
Ion	Ratio	Lower	Upper
96	100		
61	184.7	0.0	319.0
98	54.9	0.0	126.6

Manual Integrations
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#28

Bromochloromethane

Concen: 0.766 ug/l

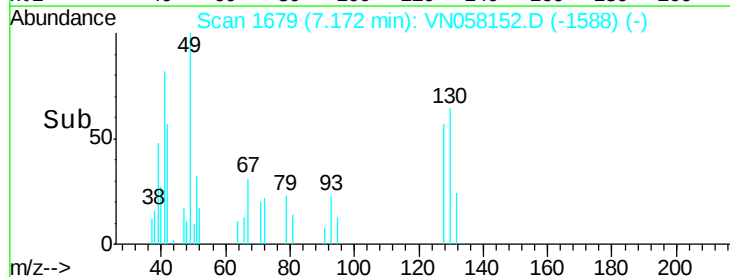
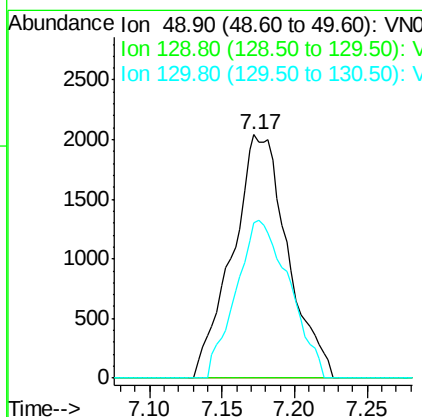
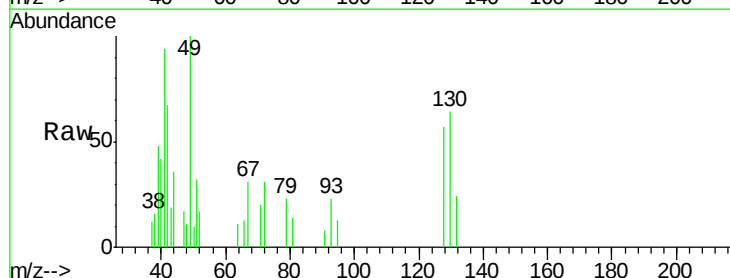
RT: 7.17 min Scan# 1679

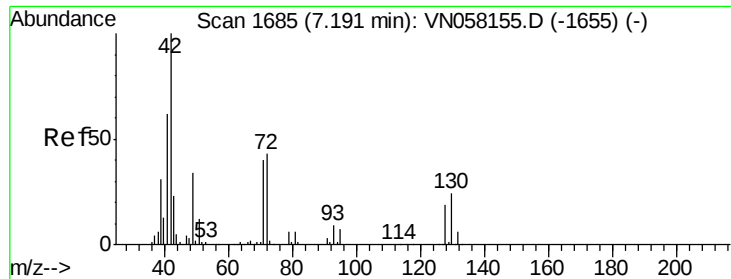
Delta R.T. -0.01 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

Tgt Ion:	49	Resp:	5416
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	1.8
130	62.4	55.4	83.2





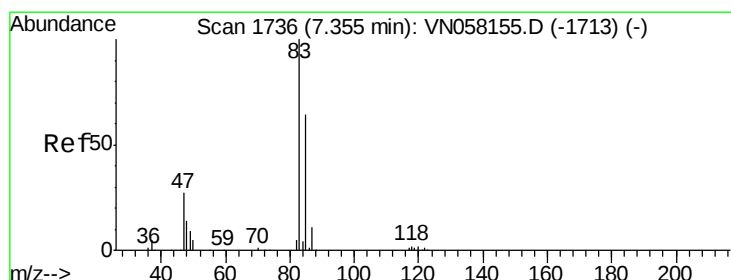
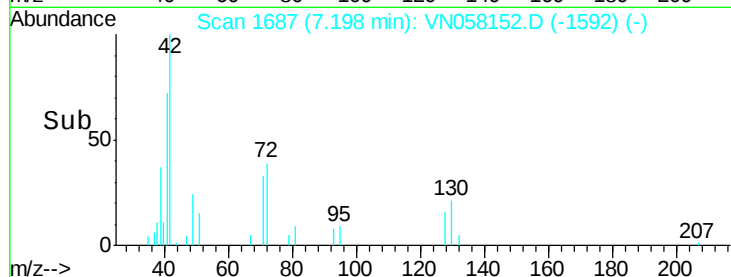
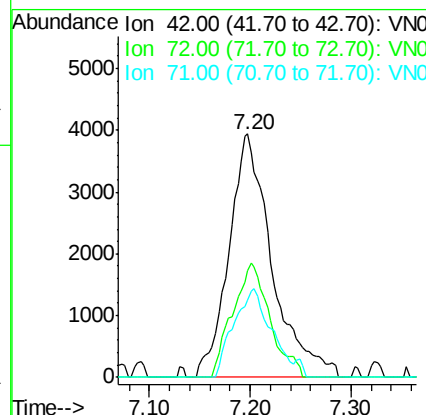
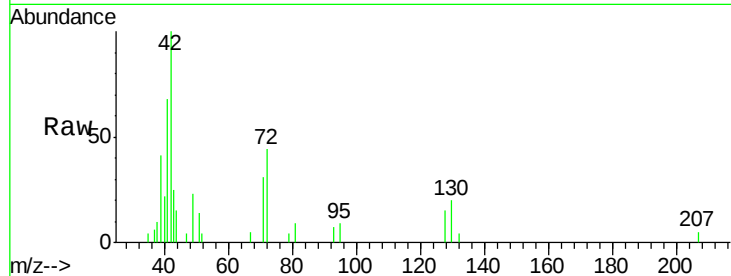
#29
Tetrahydrofuran
Concen: 3.717 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.01 min
Lab File: VN058152.D
Acq: 18 Sep 2019 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.7	33.8	50.6
71	31.6	31.4	47.0

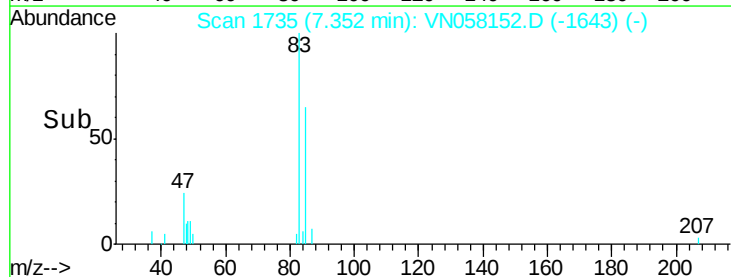
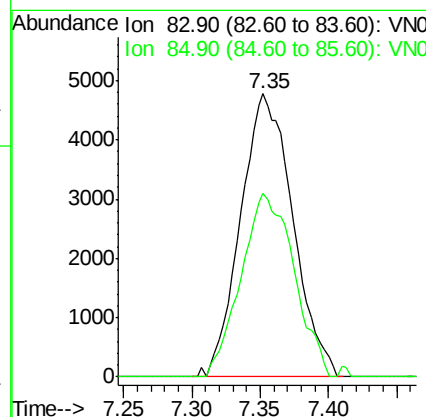
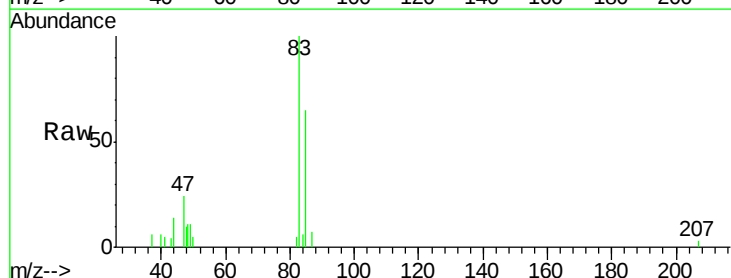
Manual Integrations
APPROVED

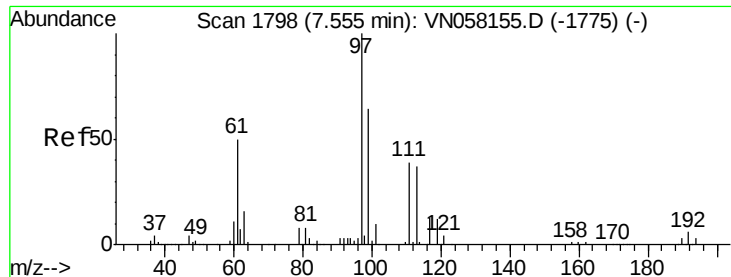
MMDadoda
9/20/2019 1:14:09 PM



#30
Chloroform
Concen: 0.853 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VN058152.D
Acq: 18 Sep 2019 9:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.4	77.2





#32

1,1,1-Trichloroethane

Concen: 0.695 ug/l

RT: 7.56 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 97 Resp: 8175

Ion Ratio Lower Upper

97 100

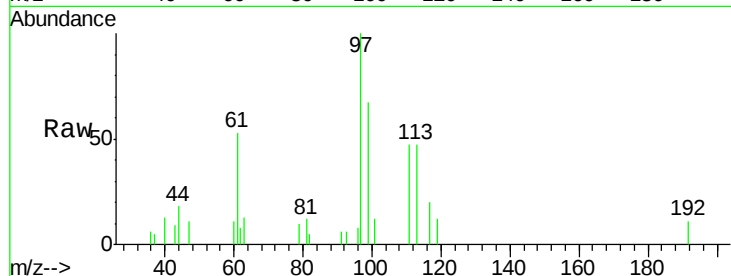
99 0.0 50.9 76.3#

61 52.1 39.2 58.8

Manual Integrations
APPROVED

MMDadoda

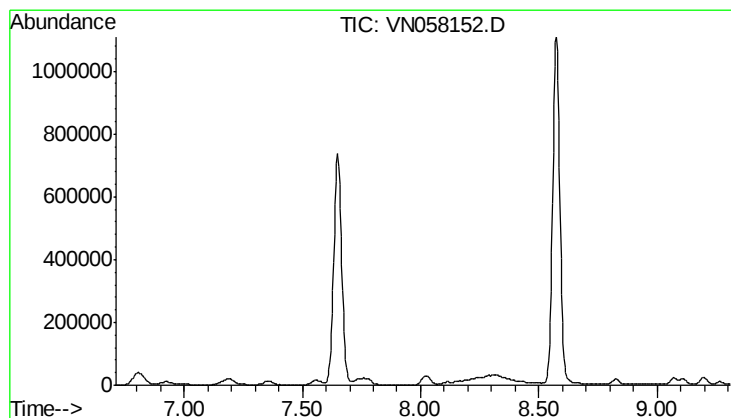
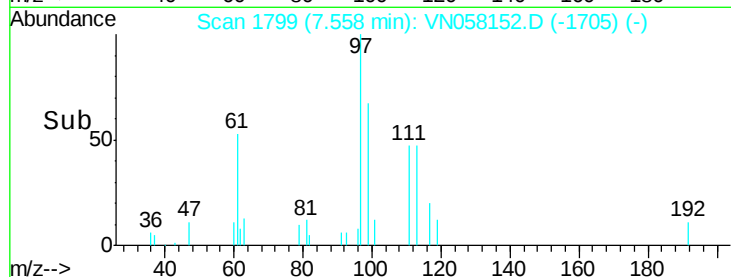
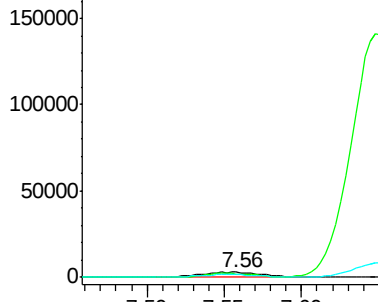
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Abundance Ion 96.90 (96.60 to 97.60): VN058152.D

Ion 98.90 (98.60 to 99.60): VN058152.D

Ion 60.90 (60.60 to 61.60): VN058152.D



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 8.01 min

Lab File: VN058152.D

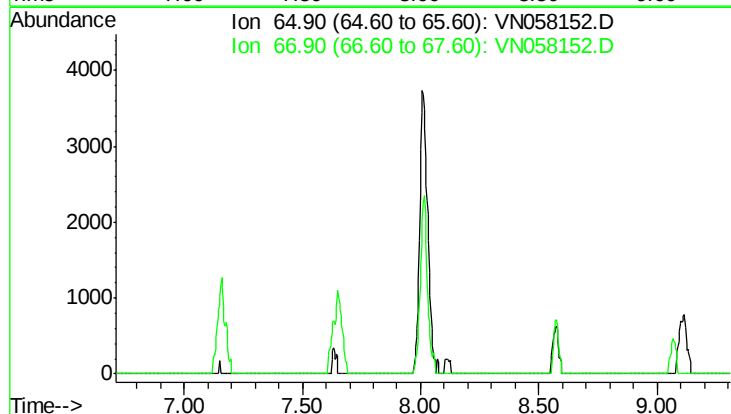
Acq: 18 Sep 2019 9:21

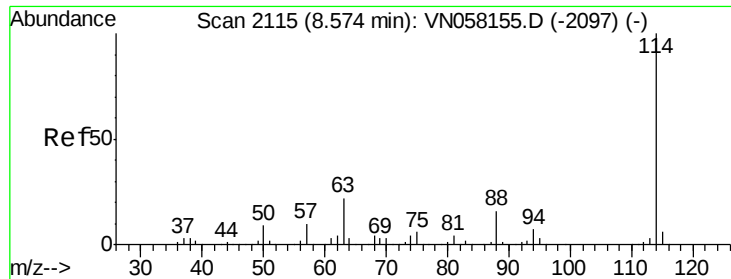
Tgt Ion: 65

Sig Exp Ratio

65 100

67 51.7





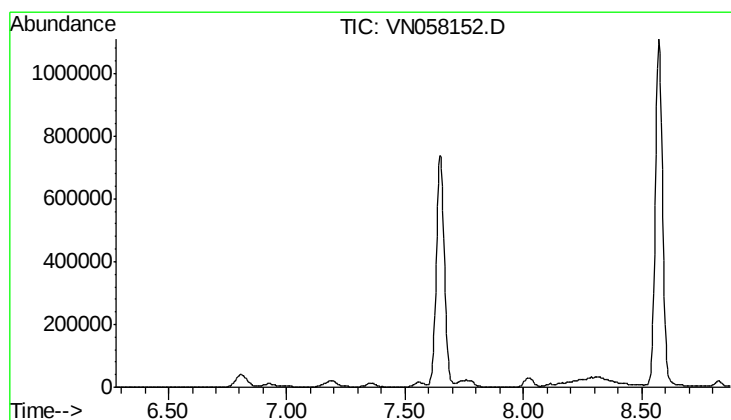
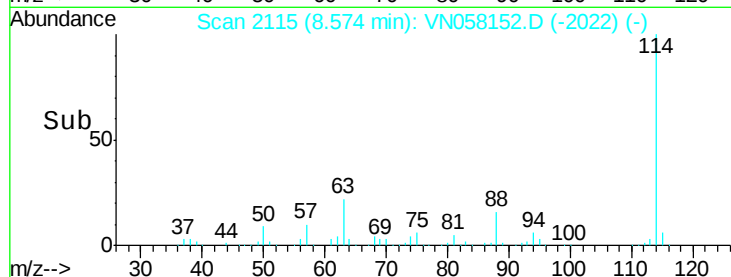
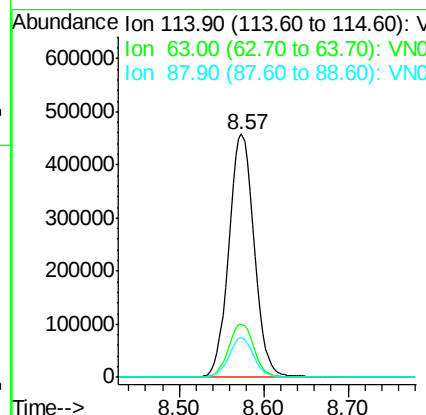
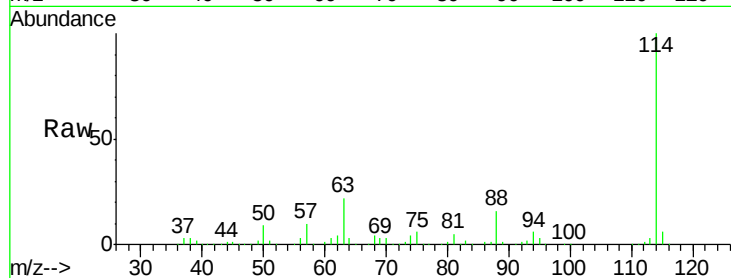
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp Lower	Resp Upper
114	100		
63	21.9	0.0	44.2
88	16.2	0.0	31.6

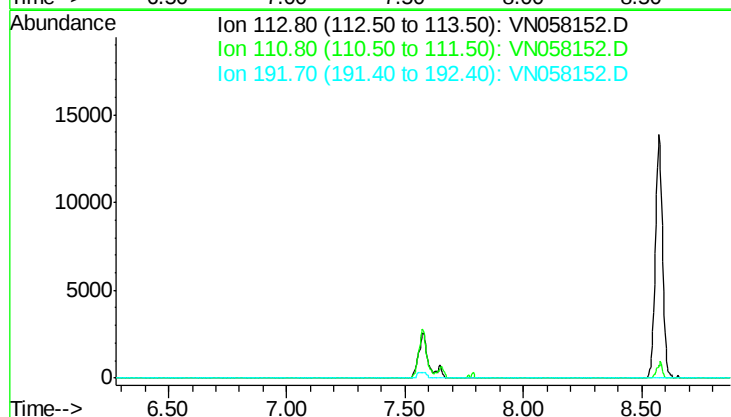
Manual Integrations
 APPROVED

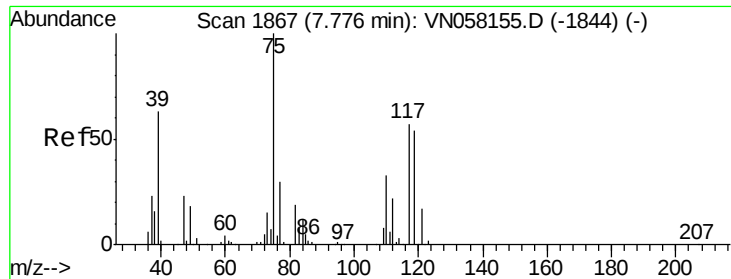
MMDadoda
 9/20/2019 1:14:09 PM



#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 7.58 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Tgt Ion	Exp Ratio
113	100
111	102.2
192	18.1





#36

1,1-Dichloropropene

Concen: 0.796 ug/l

RT: 7.78 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

Instrument :

MSVOA_N

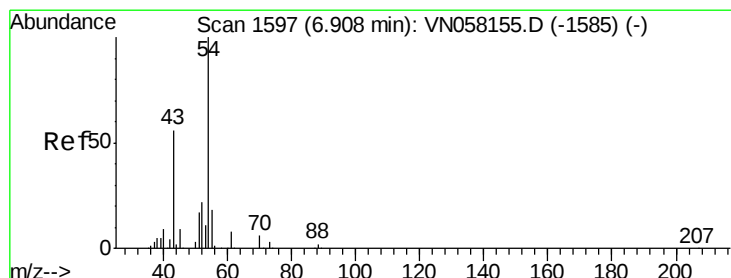
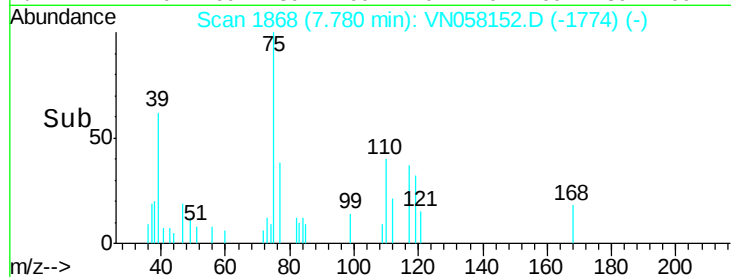
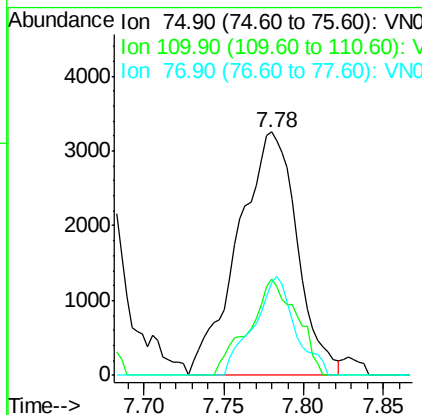
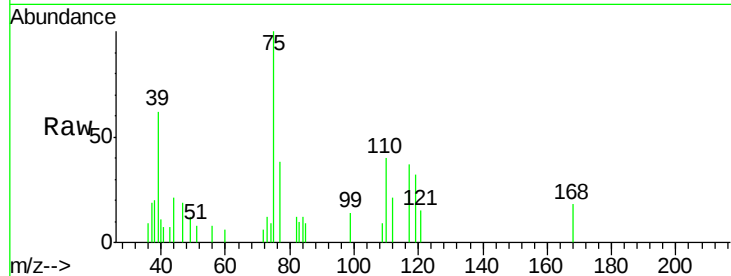
ClientSampleId :

VSTDIC001

Tot Ion:	75	Resp:	8288
Ion Ratio	Lower	Upper	
75	100		
110	32.1	16.6	49.7
77	28.4	24.3	36.5

Manual Integrations
APPROVED

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#37

Ethyl Acetate

Concen: 0.662 ug/l m

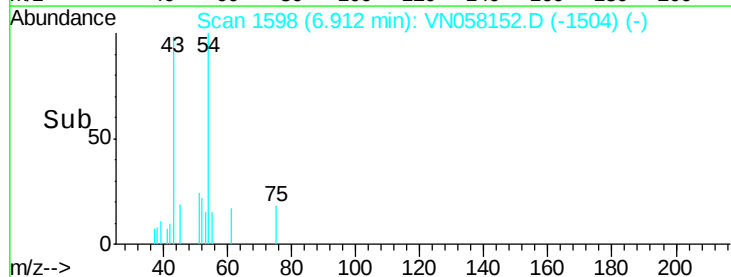
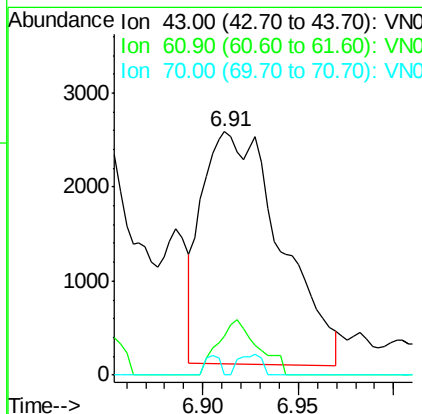
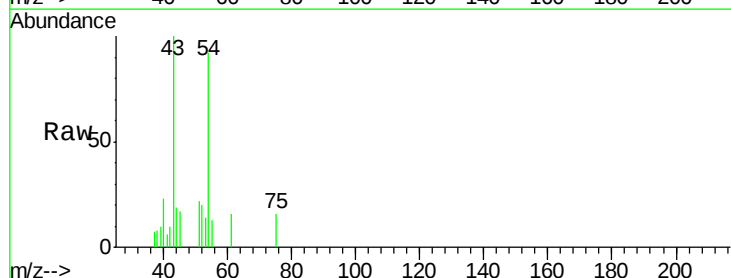
RT: 6.91 min Scan# 1598

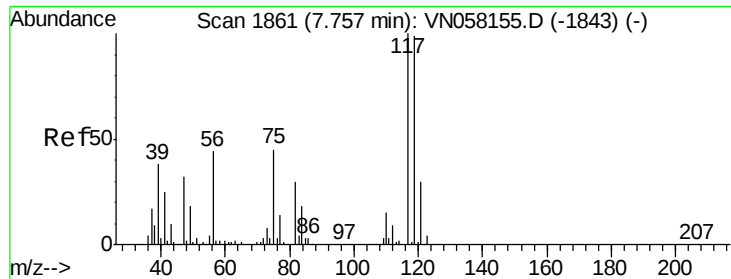
Delta R.T. 0.00 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

Tgt Ion:	43	Resp:	7140
Ion Ratio	Lower	Upper	
43	100		
61	12.0	10.7	16.1
70	1.6	7.6	11.4#





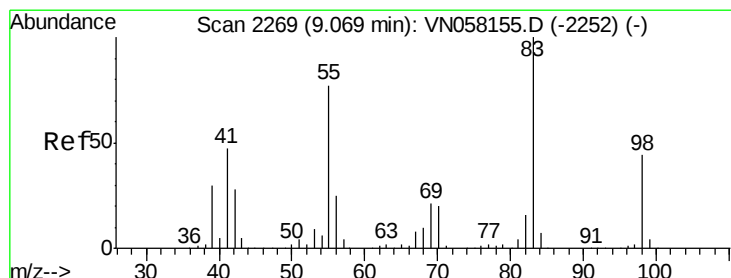
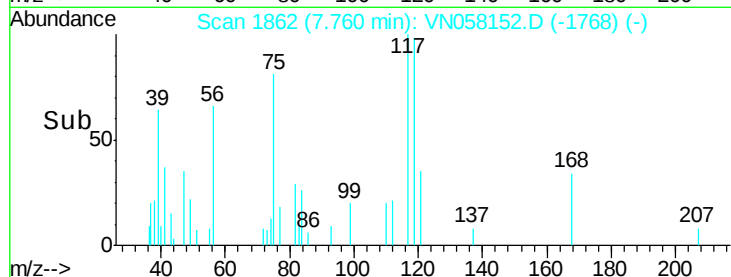
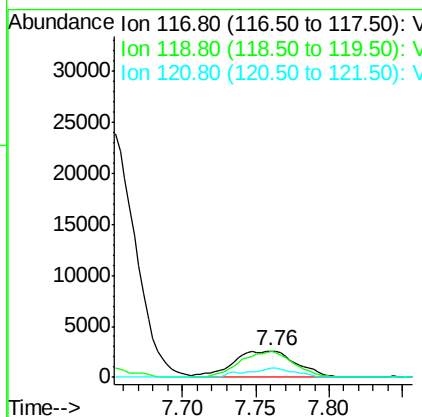
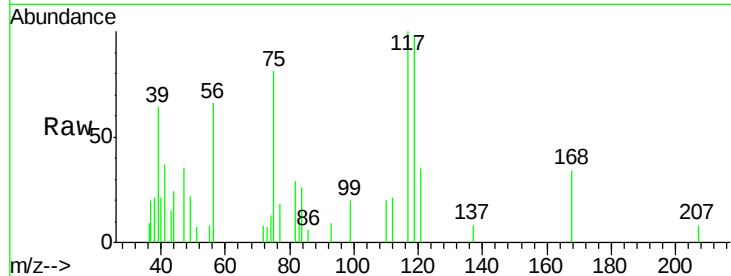
#38
Carbon Tetrachloride
Concen: 0.809 ug/l m
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058152.D
Acq: 18 Sep 2019 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.6	78.6	117.8
121	34.6	24.1	36.1

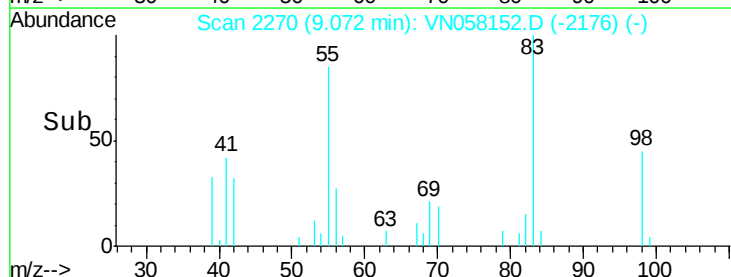
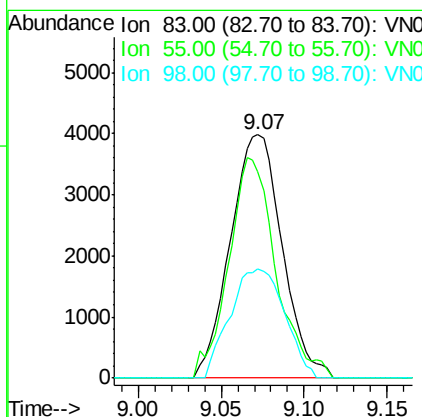
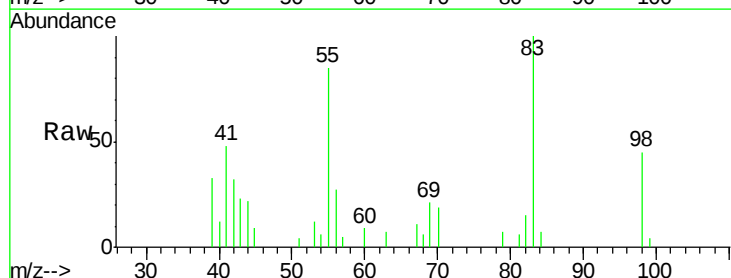
Manual Integrations
APPROVED

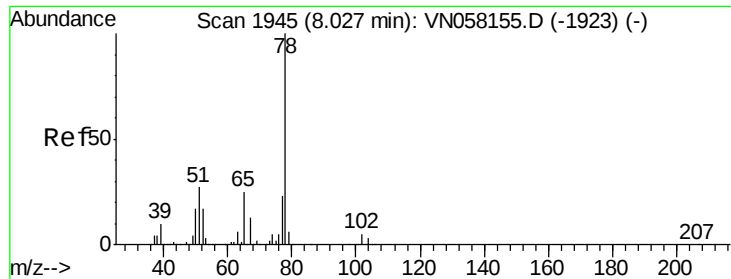
MMDadoda
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#39
Methylcyclohexane
Concen: 0.792 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058152.D
Acq: 18 Sep 2019 9:21

Tgt Ion	Ratio	Lower	Upper
83	100		
55	84.8	61.9	92.9
98	44.6	35.4	53.2





#40

Benzene

Concen: 0.739 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 78 Resp: 23161

Ion Ratio Lower Upper

78 100

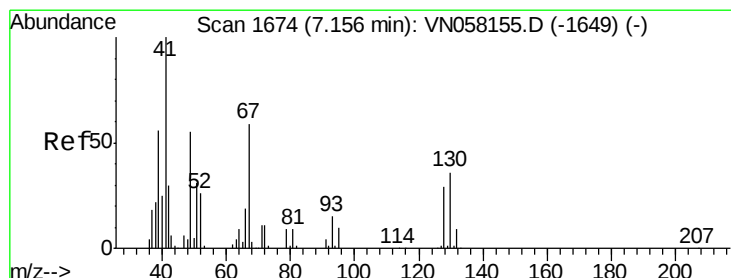
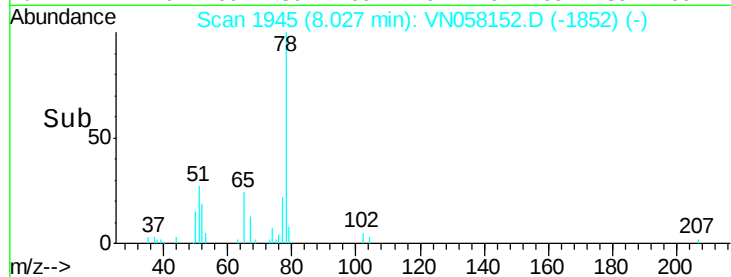
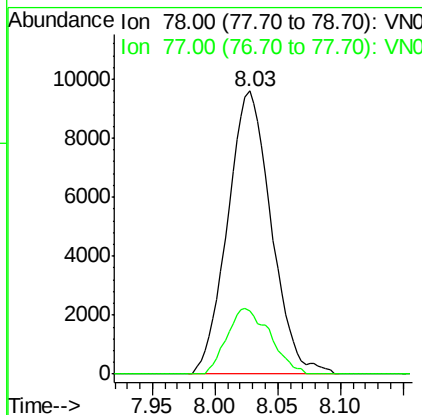
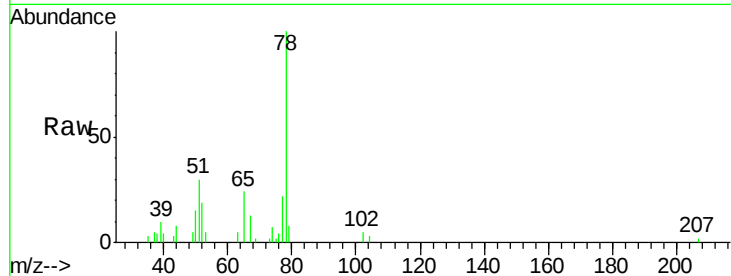
77 22.3 18.8 28.2

Manual Integrations

APPROVED

MMDadoda

9/20/2019 1:14:09 PM



#41

Methacrylonitrile

Concen: 0.850 ug/l m

RT: 7.17 min Scan# 1678

Delta R.T. 0.01 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

Tgt Ion: 41 Resp: 4158

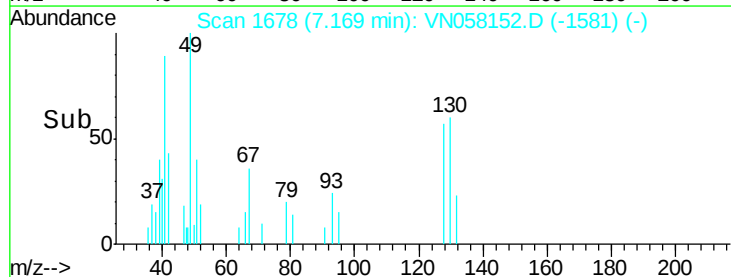
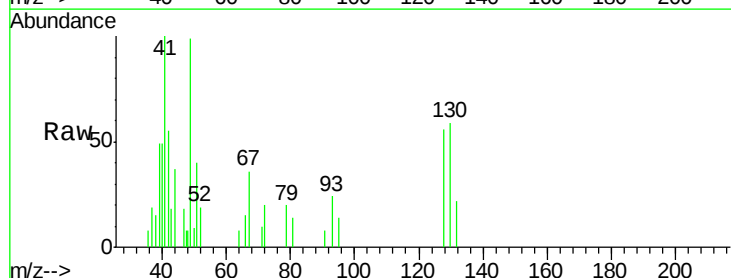
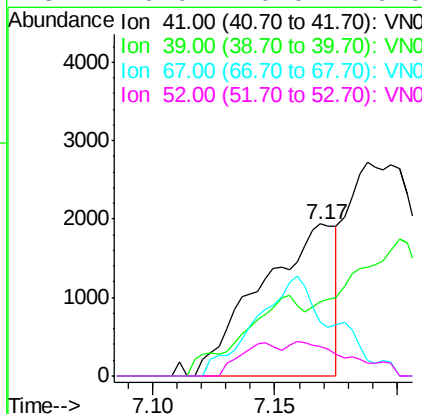
Ion Ratio Lower Upper

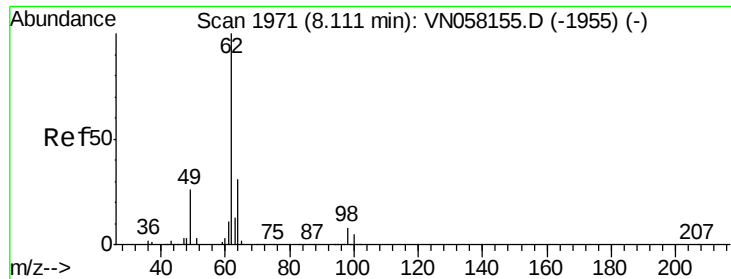
41 100

39 106.1 0.0 0.0#

67 0.0 0.0 0.0

52 0.0 0.0 0.0





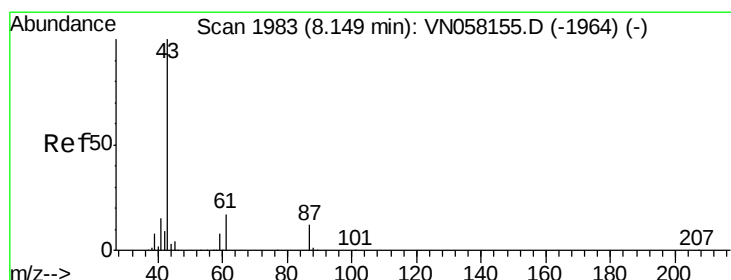
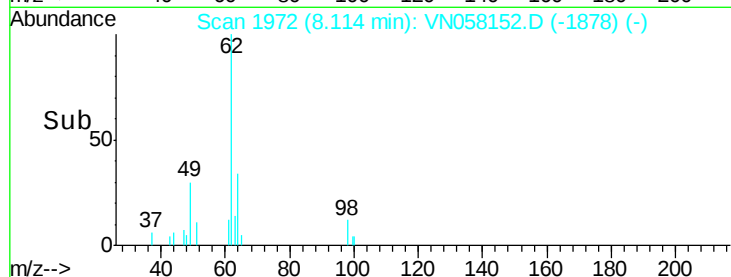
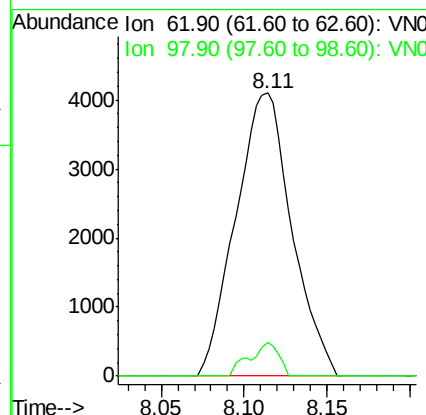
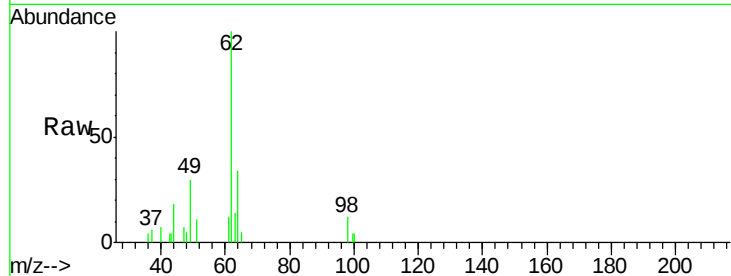
#42
 1,2-Dichloroethane
 Concen: 0.766 ug/l
 RT: 8.11 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
62	100	9633		
98	6.1	0.0	15.6	

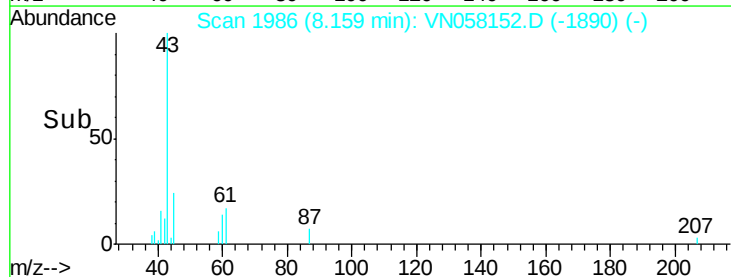
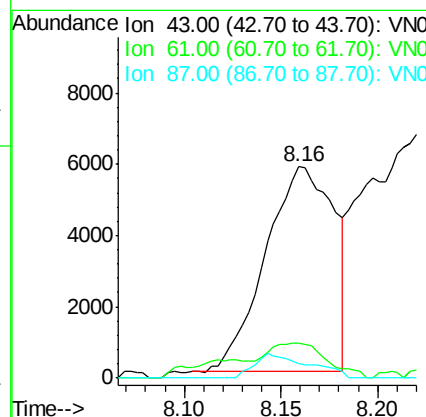
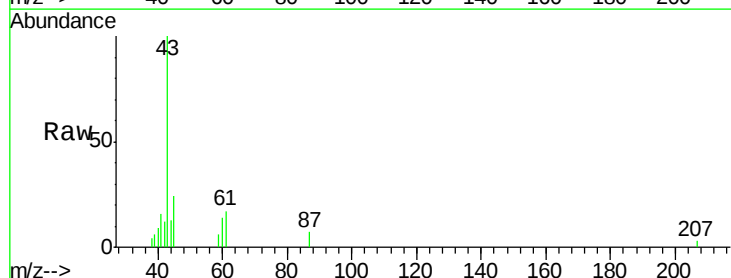
Manual Integrations
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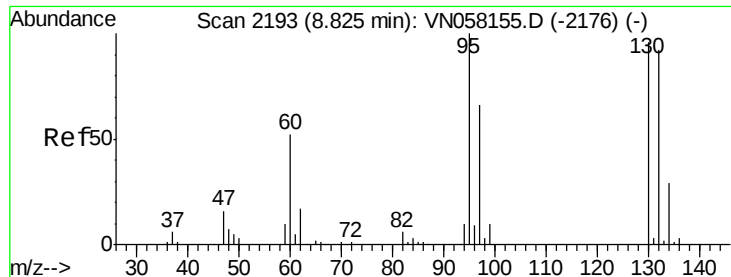
MMDadoda
 9/20/2019 1:14:09 PM



#43
 Isopropyl Acetate
 Concen: 0.782 ug/l
 RT: 8.16 min Scan# 1986
 Delta R.T. 0.01 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	14194		
61	15.6	19.7	29.5#	
87	0.0	9.4	14.2#	





#44

Trichloroethene

Concen: 0.680 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:130 Resp: 5241

Ion Ratio Lower Upper

130 100

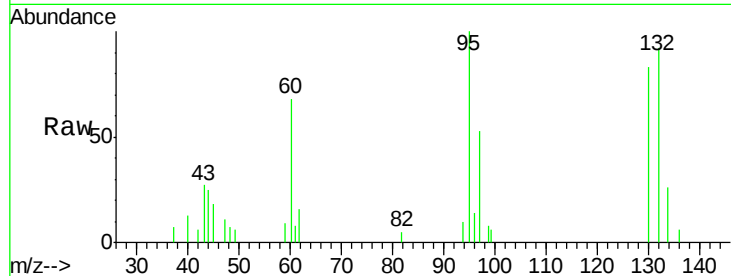
95 121.0 0.0 207.8

Manual Integrations

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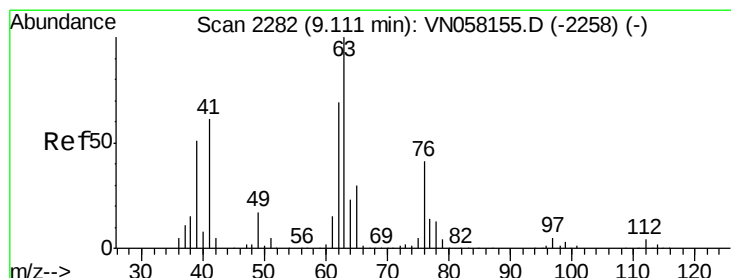
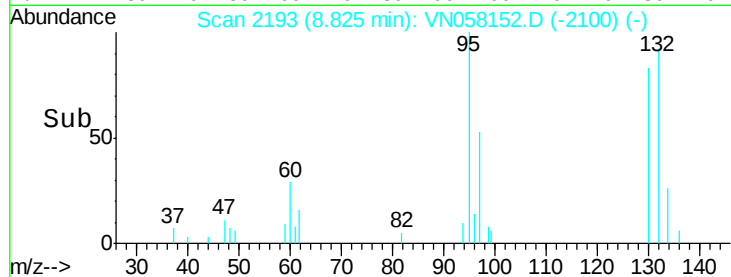
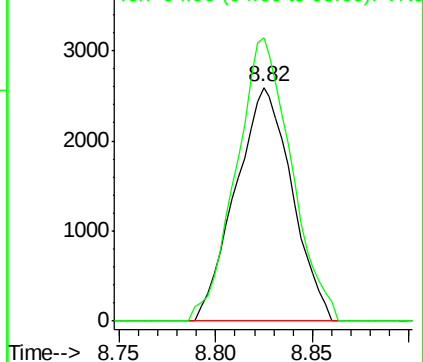
MMDadoda

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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VNO



#45

1,2-Dichloropropane

Concen: 0.691 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. 0.00 min

Lab File: VN058152.D

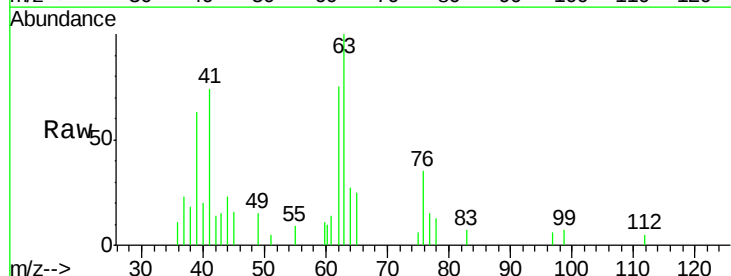
Acq: 18 Sep 2019 9:21

Tgt Ion: 63 Resp: 6319

Ion Ratio Lower Upper

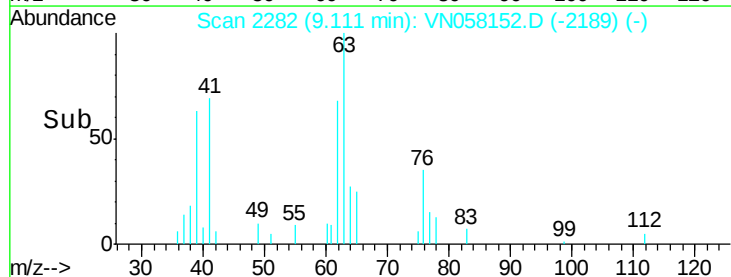
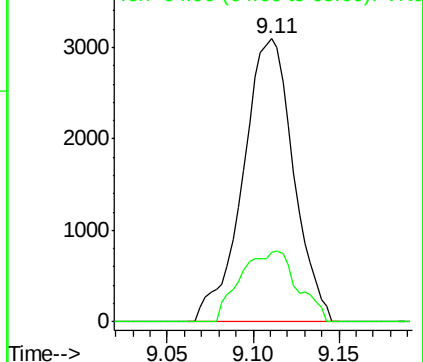
63 100

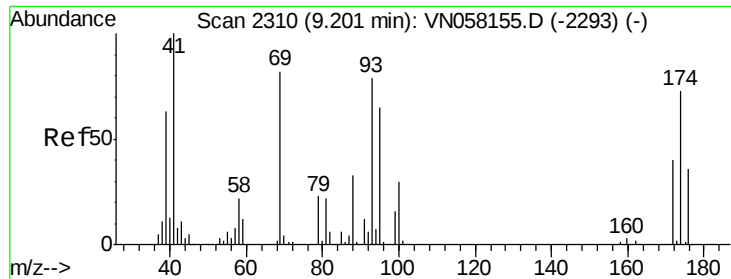
65 24.5 23.8 35.6



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO





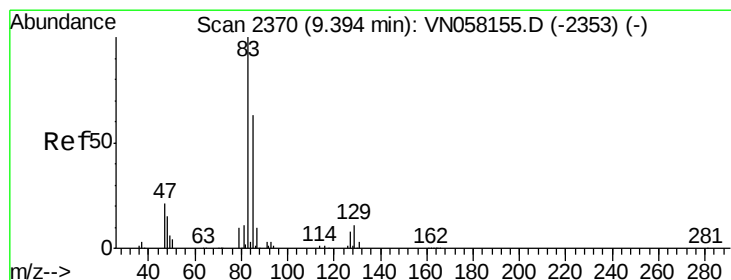
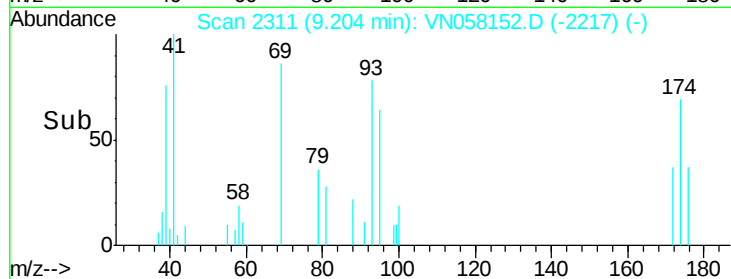
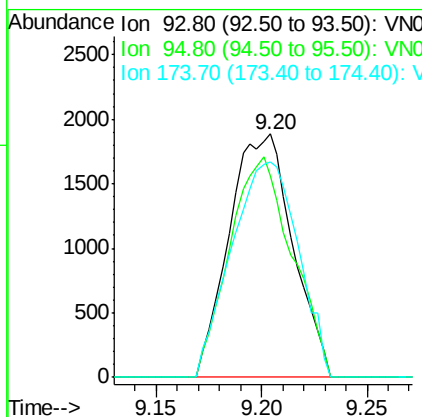
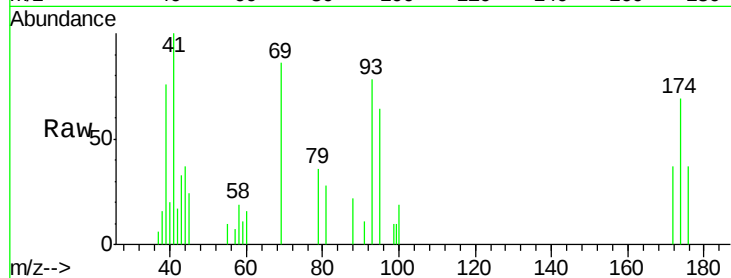
#46
Dibromomethane
Concen: 0.715 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN058152.D
Acq: 18 Sep 2019 9:21

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
93	100		
95	89.0	66.8	100.2
174	92.9	73.8	110.8

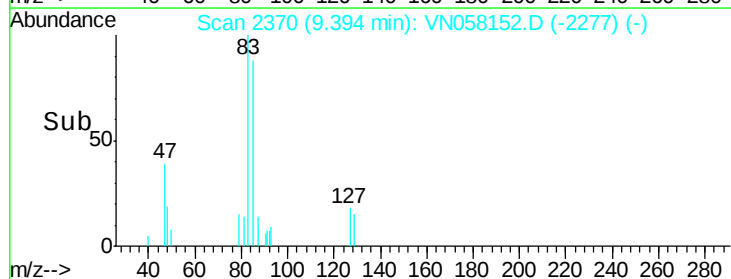
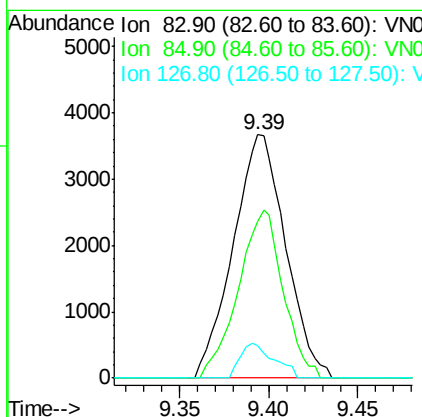
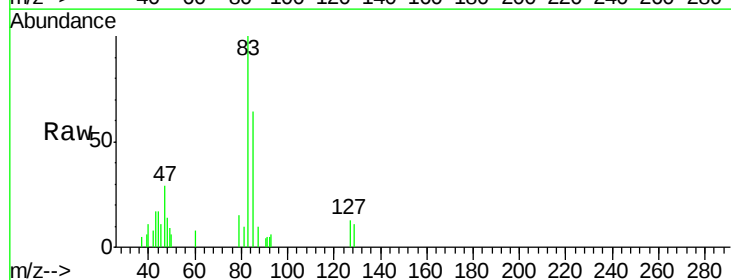
Manual Integrations
APPROVED

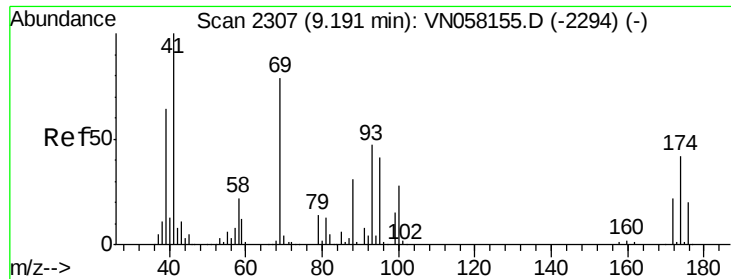
MMDadoda
9/20/2019 1:14:09 PM



#47
Bromodichloromethane
Concen: 0.684 ug/l
RT: 9.39 min Scan# 2370
Delta R.T. 0.00 min
Lab File: VN058152.D
Acq: 18 Sep 2019 9:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	50.1	75.1
127	13.3	6.4	9.6





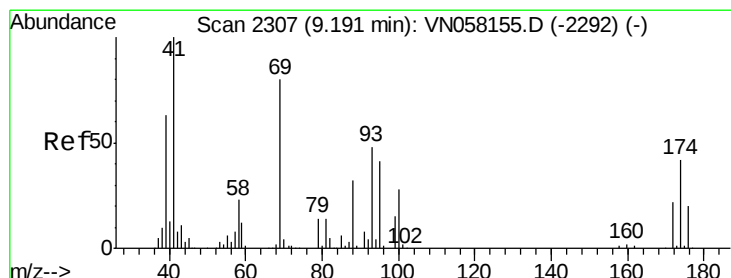
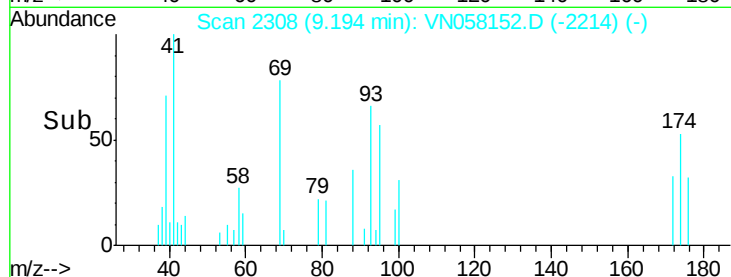
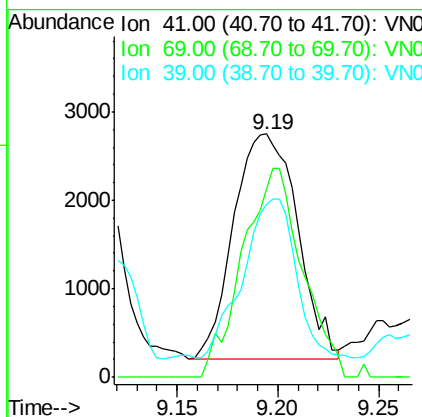
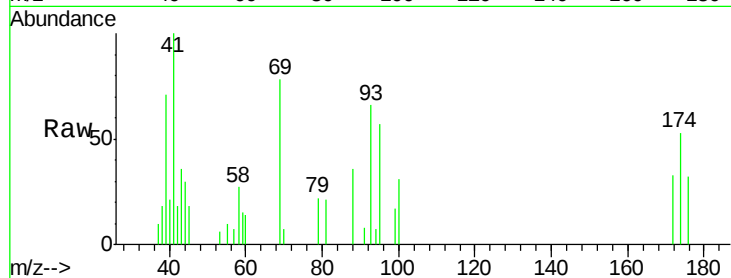
#48
Methvl methacrylate
Concen: 0.611 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN058152.D
Acq: 18 Sep 2019 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
69	86.6	62.5	93.7
39	58.8	52.3	78.5

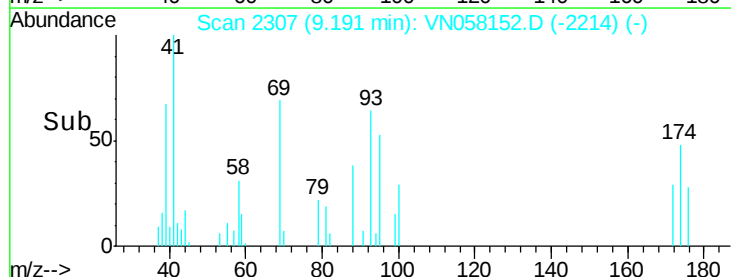
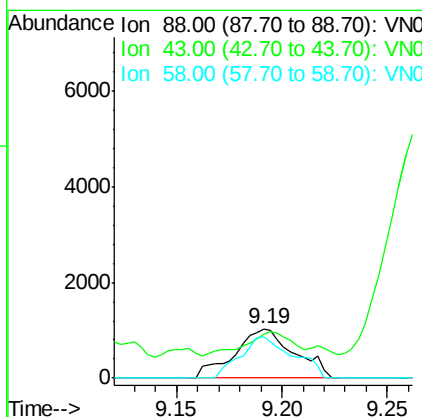
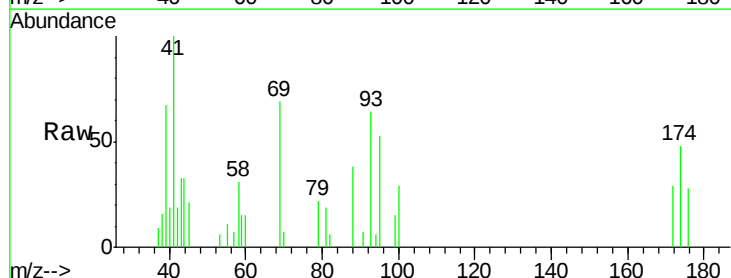
Manual Integrations
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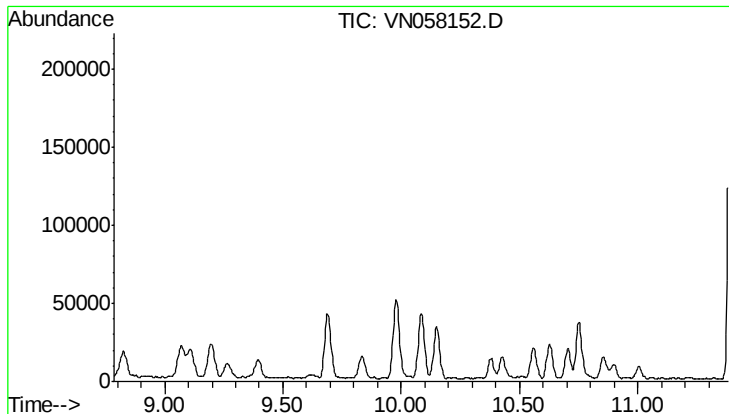
MMDadoda
9/20/2019 1:14:09 PM



#49
1,4-Dioxane
Concen: 12.968 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058152.D
Acq: 18 Sep 2019 9:21

Tgt Ion	Ratio	Lower	Upper
88	100		
43	36.5	27.8	41.8
58	74.3	55.0	82.4





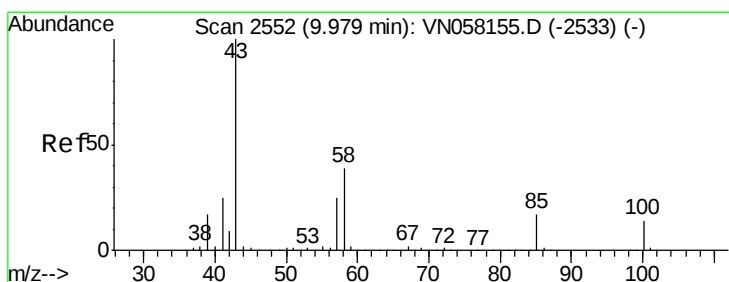
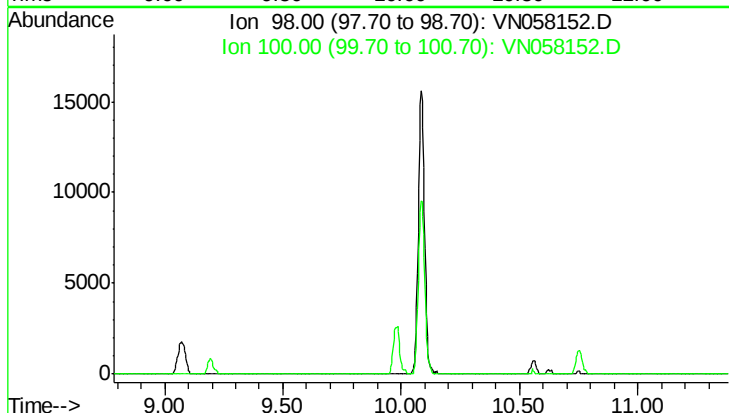
#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 10.08 min
Lab File: VN058152.D
Acq: 18 Sep 2019 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 98
Sig Exp Ratio
98 100
100 63.9

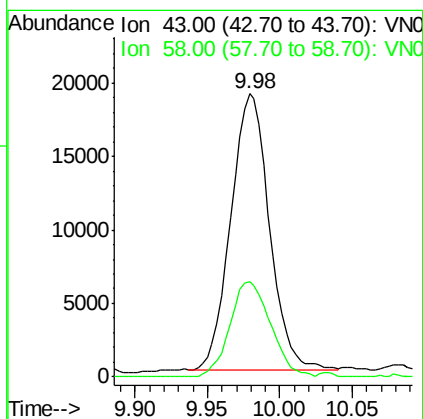
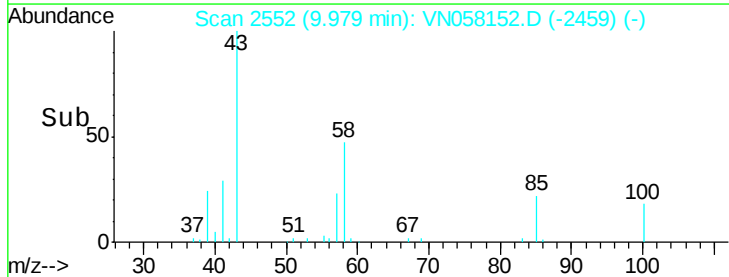
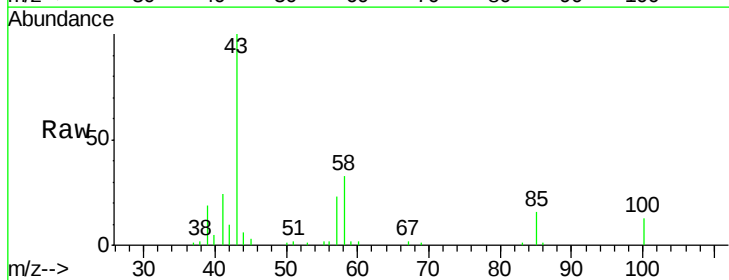
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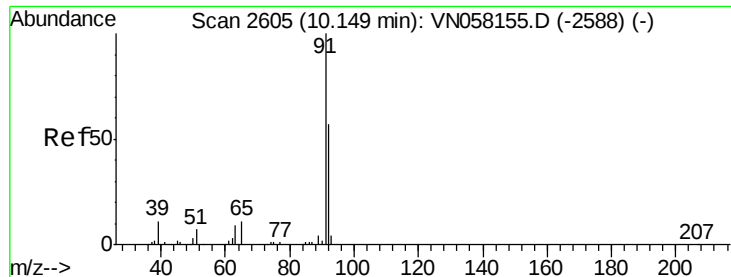
MMDadoda
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#51
4-Methyl-2-Pentanone
Concen: 3.282 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VN058152.D
Acq: 18 Sep 2019 9:21

Tgt Ion: 43 Resp: 34845
Ion Ratio Lower Upper
43 100
58 36.0 30.2 45.4





#52

Toluene

Concen: 0.705 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 13905

Ion Ratio Lower Upper

92 100

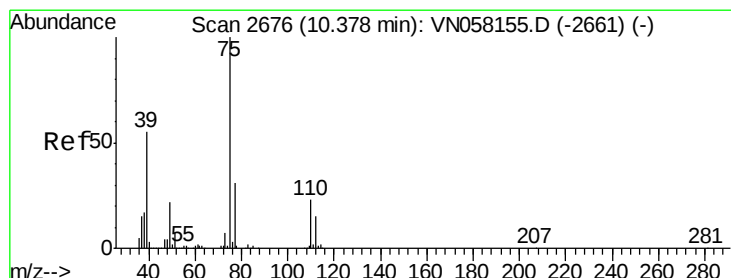
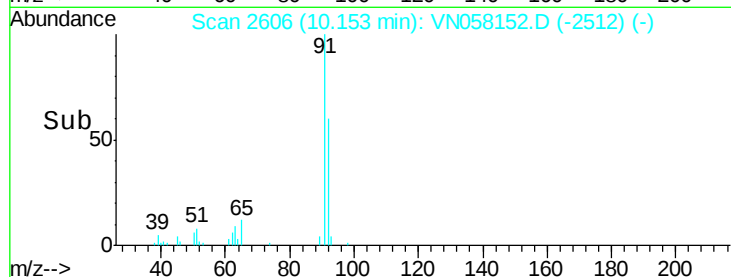
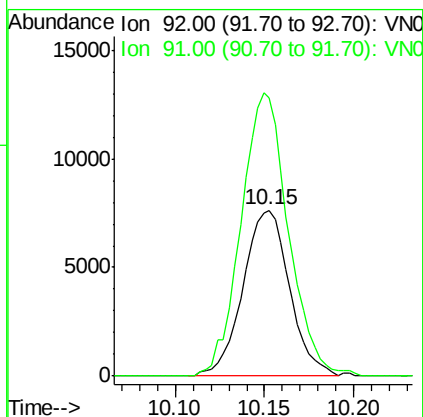
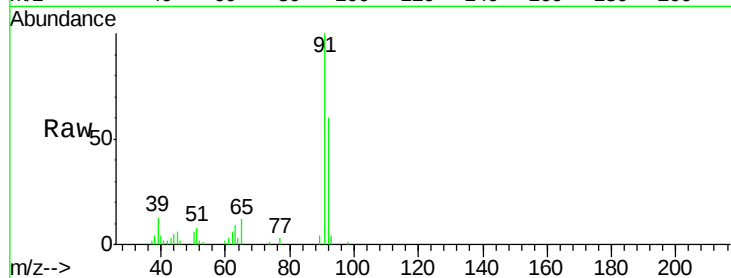
91 173.3 140.2 210.2

Manual Integrations

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#53

t-1,3-Dichloropropene

Concen: 0.611 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN058152.D

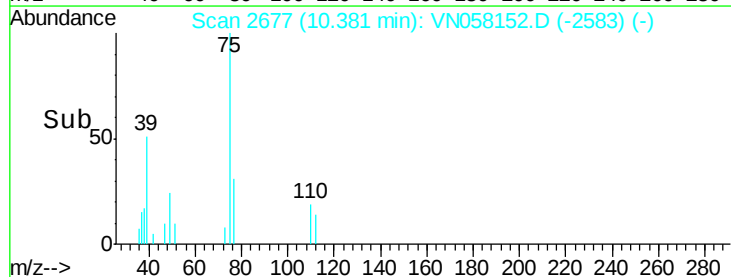
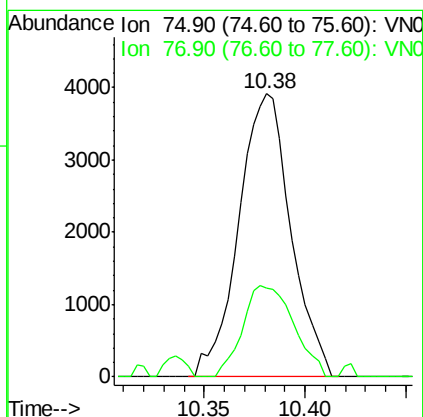
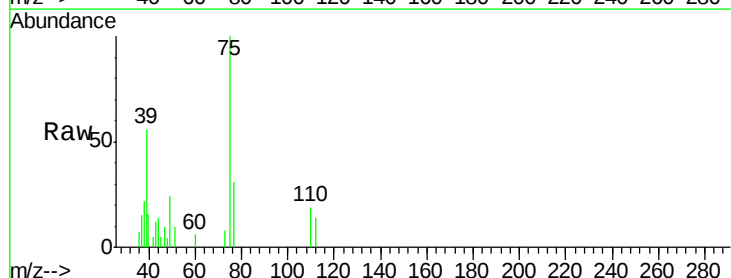
Acq: 18 Sep 2019 9:21

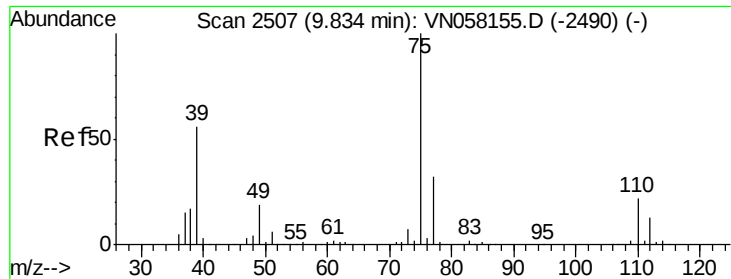
Tgt Ion: 75 Resp: 7065

Ion Ratio Lower Upper

75 100

77 31.3 24.9 37.3





#54

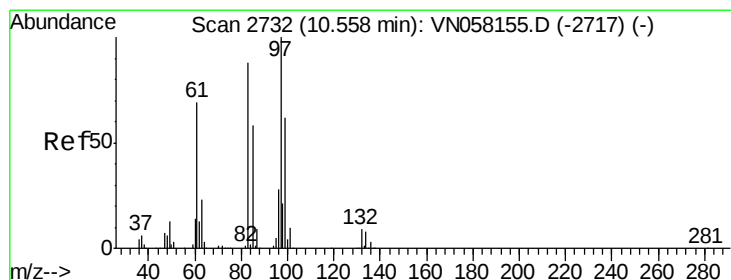
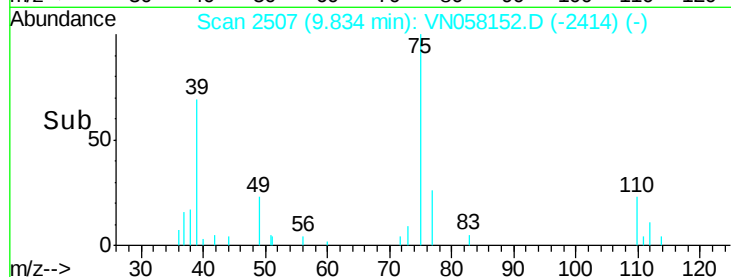
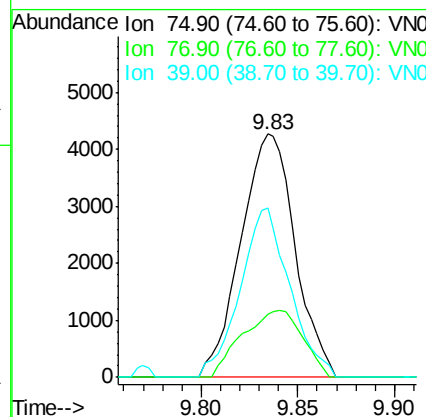
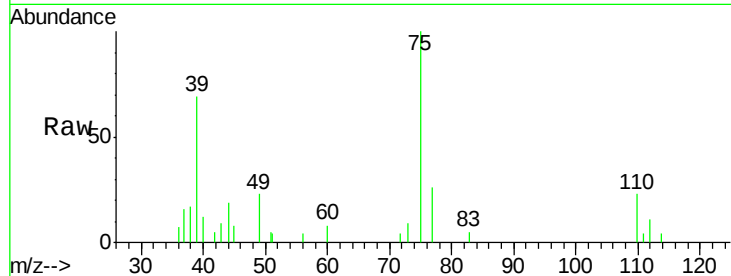
cis-1,3-Dichloropropene
 Concen: 0.650 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
77	26.1	25.4	38.0
39	69.5	45.0	67.6#

Manual Integrations
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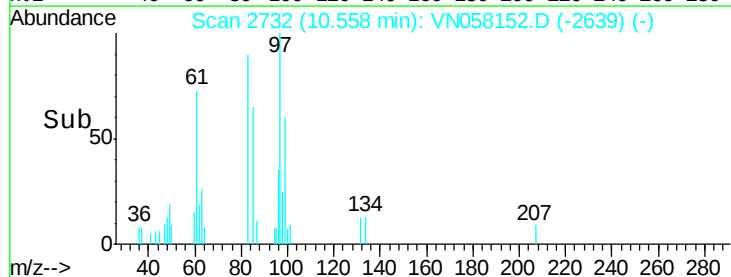
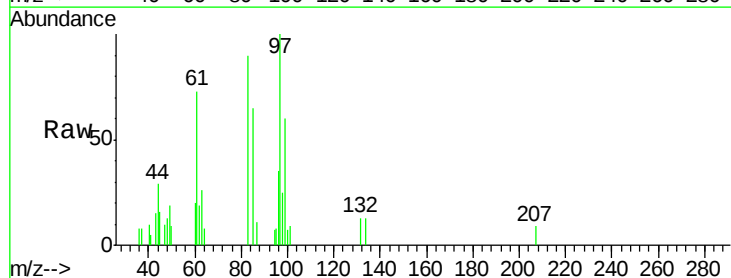
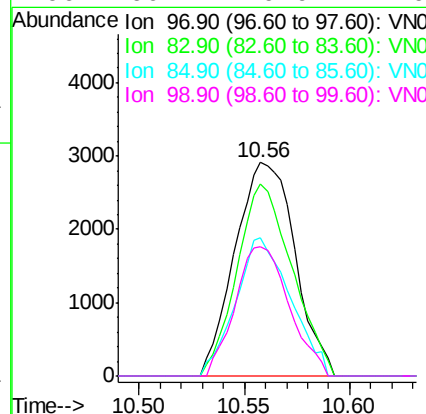
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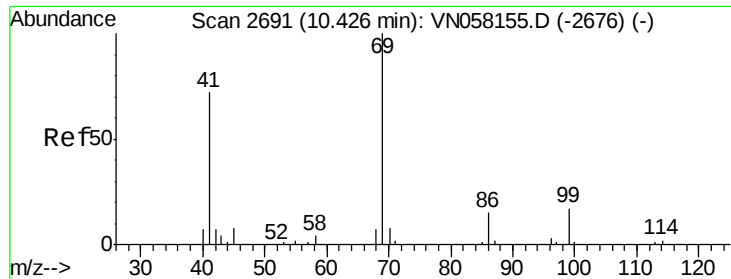


#55

1,1,2-Trichloroethane
 Concen: 0.688 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.9	70.4	105.6
85	64.9	46.8	70.2
99	60.4	49.9	74.9





#56

Ethyl methacrylate

Concen: 0.552 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

Instrument :

MSVOA_N

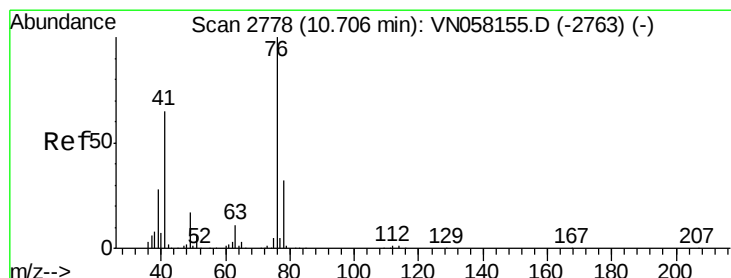
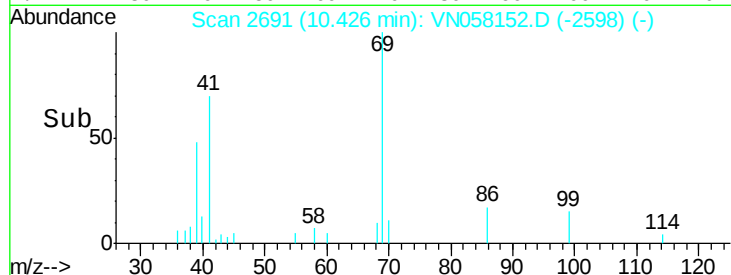
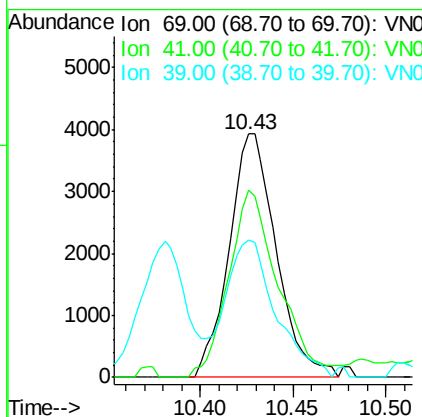
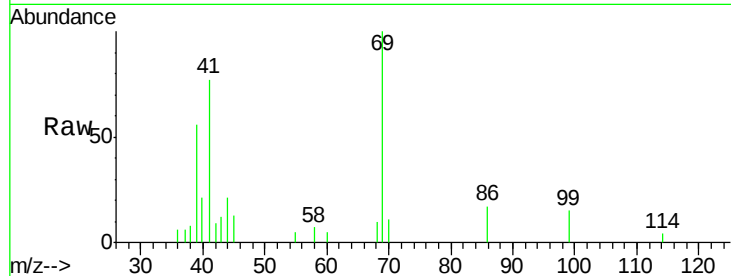
ClientSampled :

VSTDIC001

Tot Ion:	69	Resp:	6919
Ion Ratio	Lower	Upper	
69	100		
41	81.8	57.5	86.3
39	60.2	36.1	54.1#

Manual Integrations
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#57

1,3-Dichloropropane

Concen: 0.715 ug/l

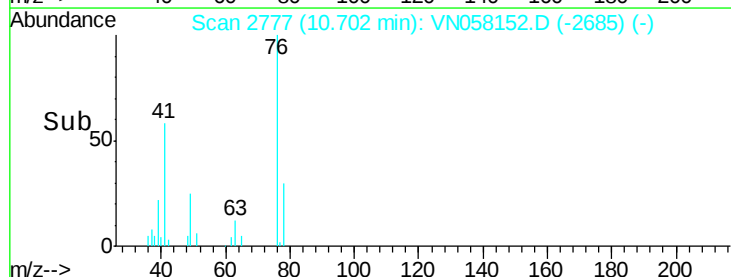
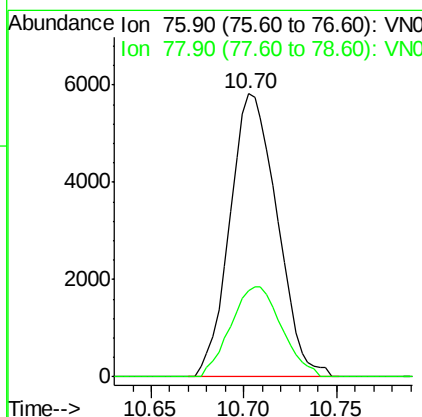
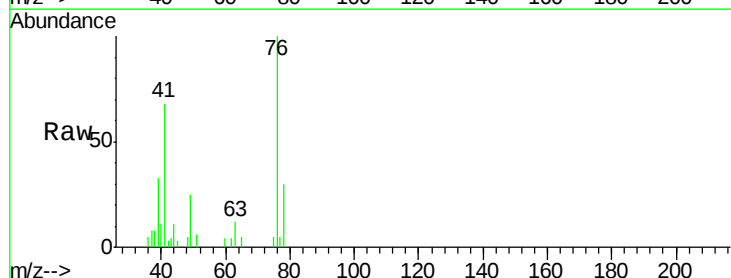
RT: 10.70 min Scan# 2777

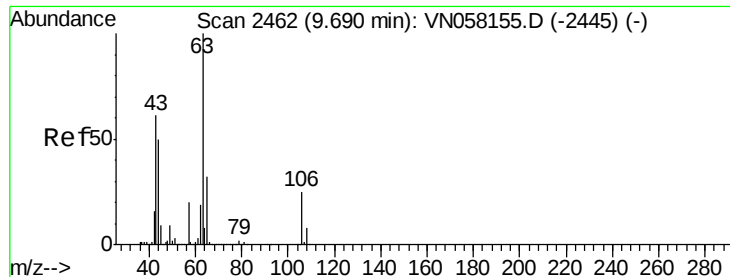
Delta R.T. -0.00 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

Tgt Ion:	76	Resp:	10299
Ion Ratio	Lower	Upper	
76	100		
78	34.2	25.4	38.0





#58

2-Chloroethyl Vinyl ether

Concen: 3.165 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 63 Resp: 18497

Ion Ratio Lower Upper

63 100

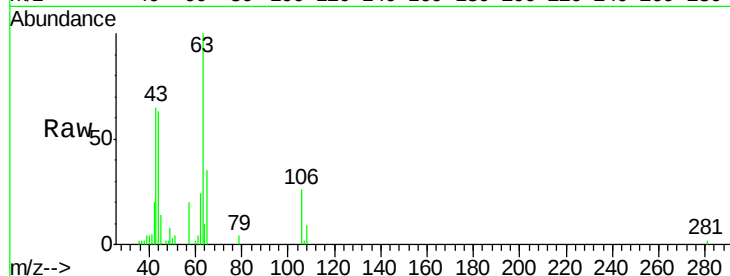
106 25.4 19.9 29.9

Manual Integrations

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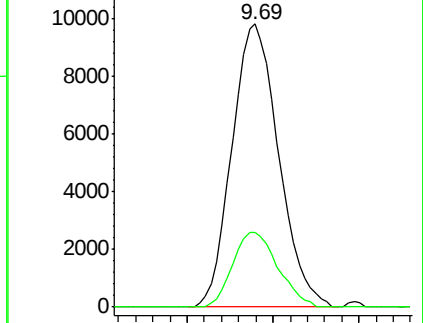
MMDadoda

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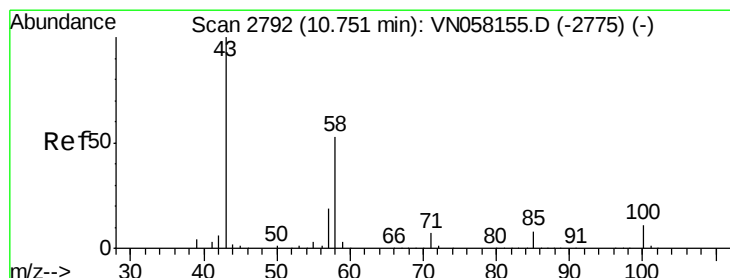
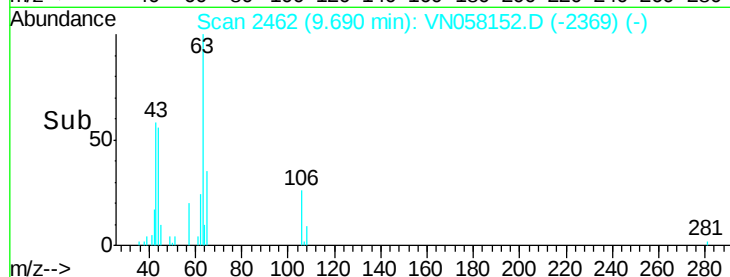


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V



Time-->



#59

2-Hexanone

Concen: 3.126 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN058152.D

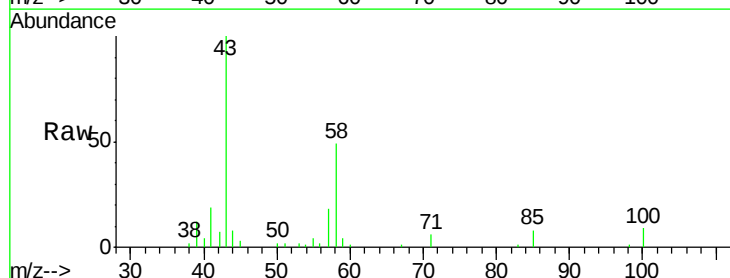
Acq: 18 Sep 2019 9:21

Tgt Ion: 43 Resp: 24817

Ion Ratio Lower Upper

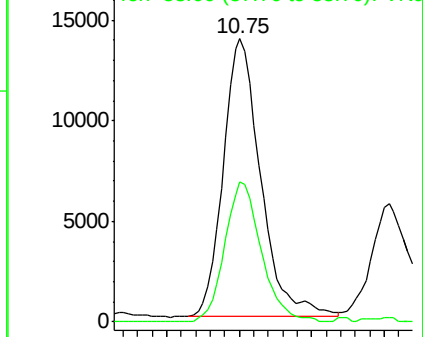
43 100

58 49.1 26.0 78.0

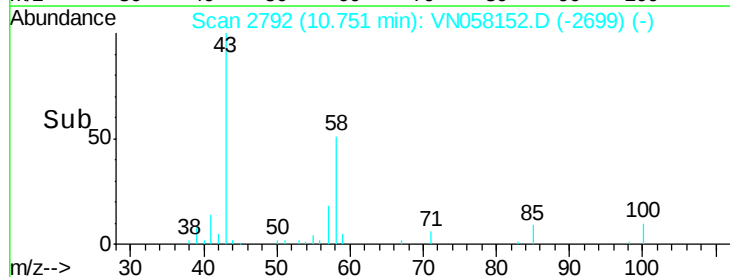


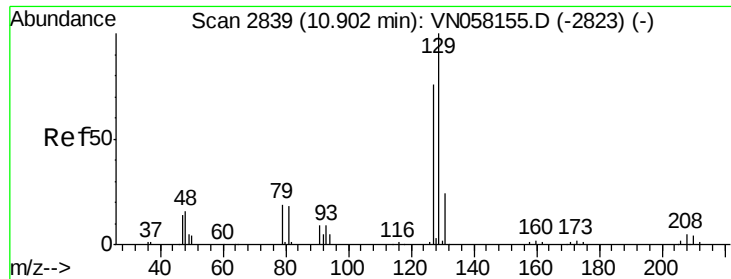
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->





#60

Dibromochloromethane

Concen: 0.584 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:129 Resp: 4528

Ion Ratio Lower Upper

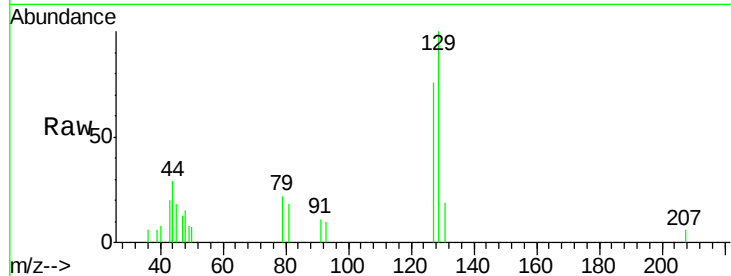
129 100

127 75.7 38.7 116.1

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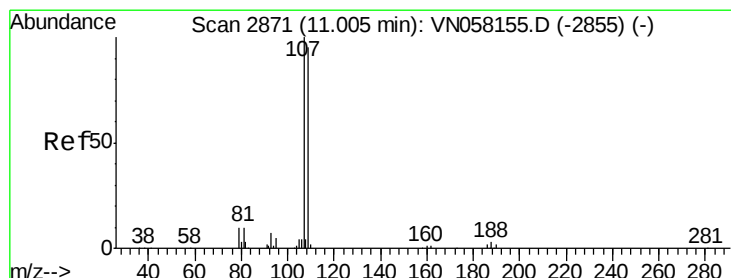
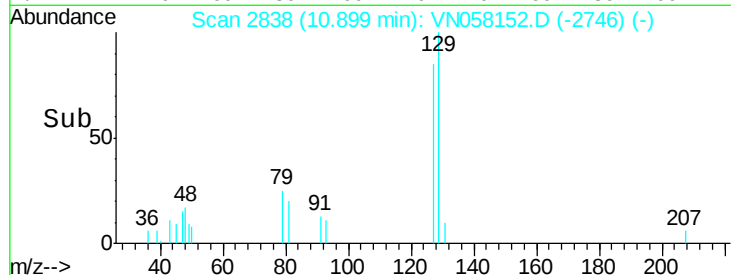
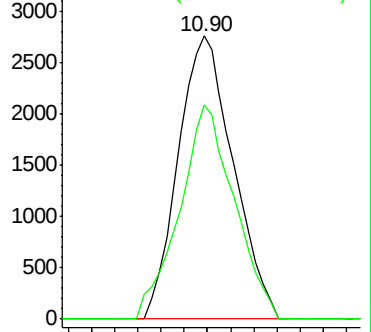
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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 0.663 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058152.D

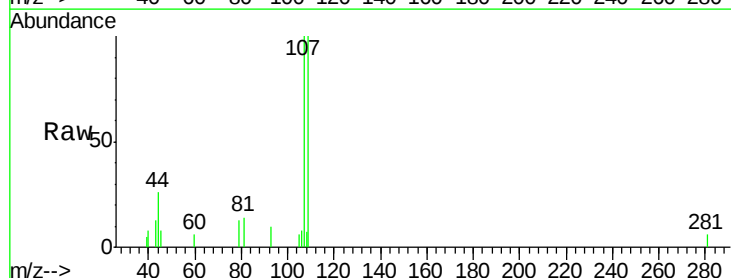
Acq: 18 Sep 2019 9:21

Tgt Ion:107 Resp: 5229

Ion Ratio Lower Upper

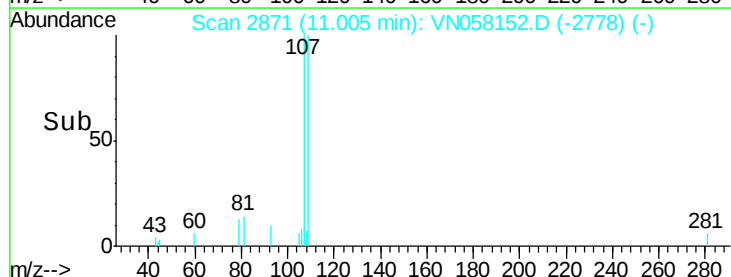
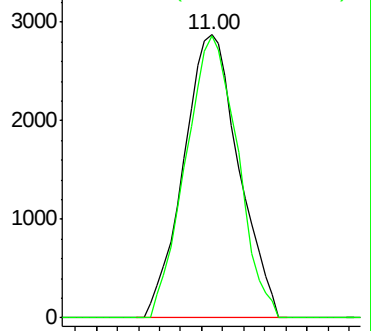
107 100

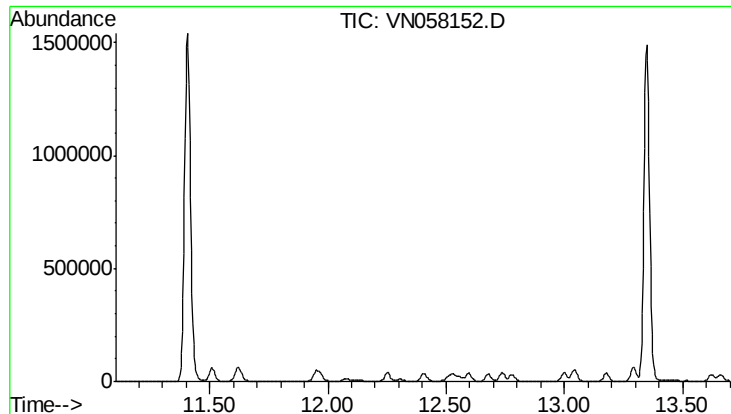
109 93.5 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





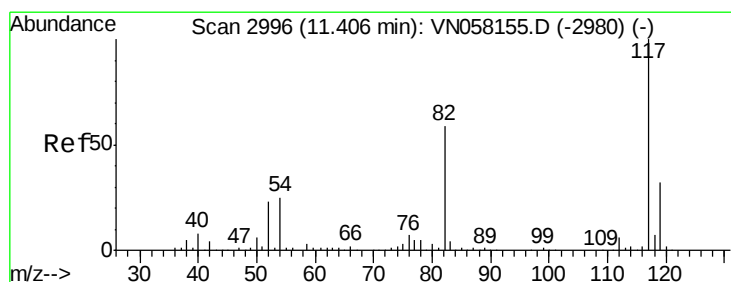
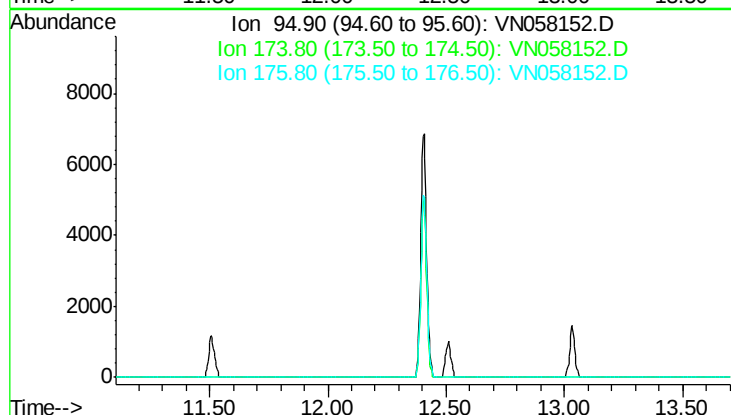
#62
 4-Bromofluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 12.40 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	95
Sig	Exp Ratio
95	100
174	76.1
176	74.0

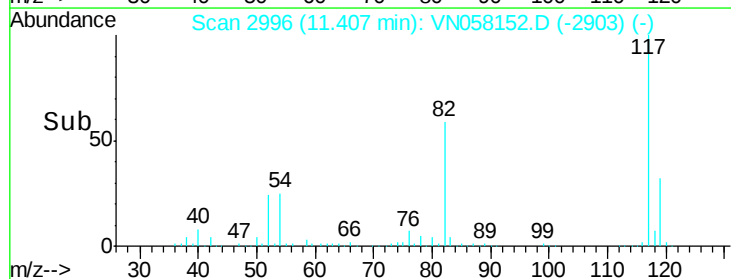
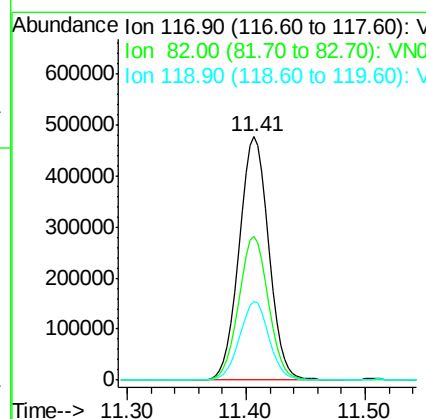
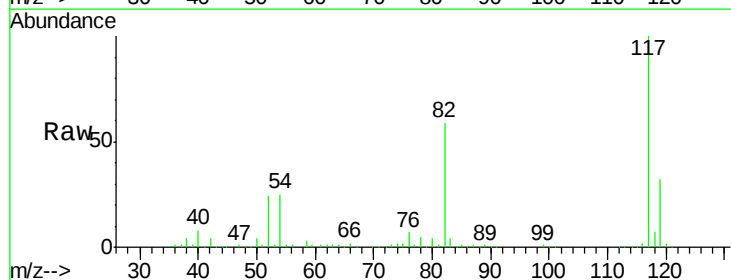
Manual Integrations
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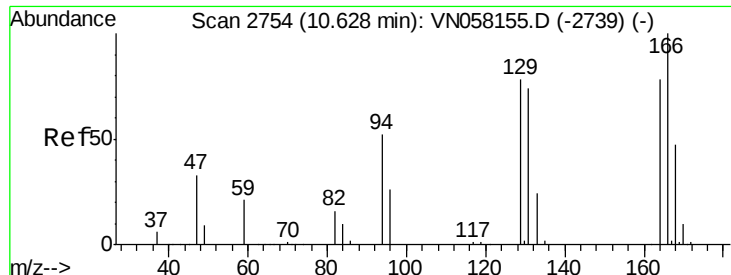
MMDadoda
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#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.41 min Scan# 2996
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Tgt Ion	117	Resp	823388
Ion	Ratio	Lower	Upper
117	100		
82	59.3	46.9	70.3
119	32.3	25.3	37.9





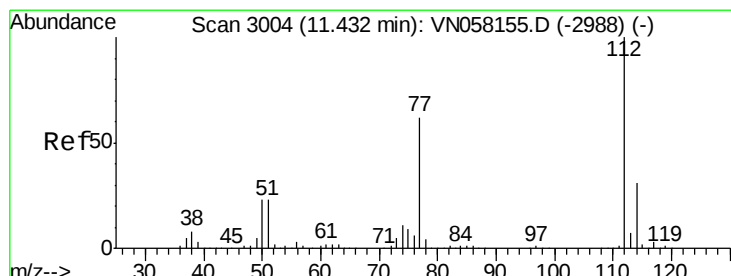
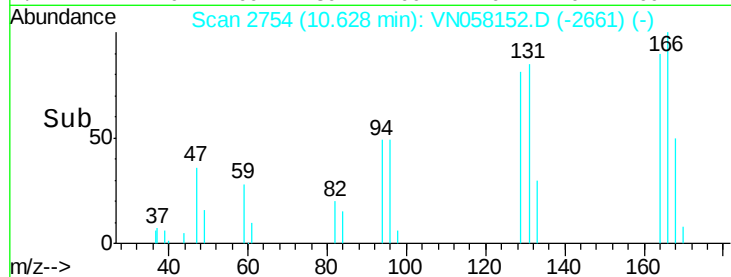
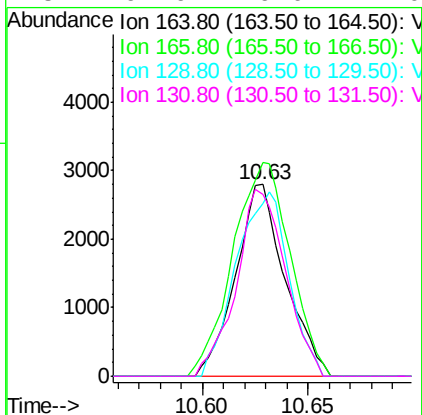
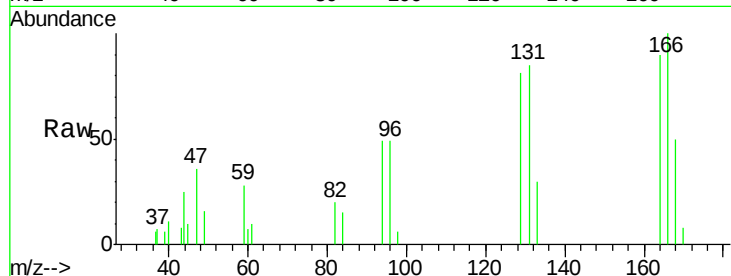
#64
Tetrachloroethene
Concen: 0.795 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058152.D
Acq: 18 Sep 2019 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
164	100		
166	111.4	102.2	153.4
129	90.2	79.6	119.4
131	94.9	76.0	114.0

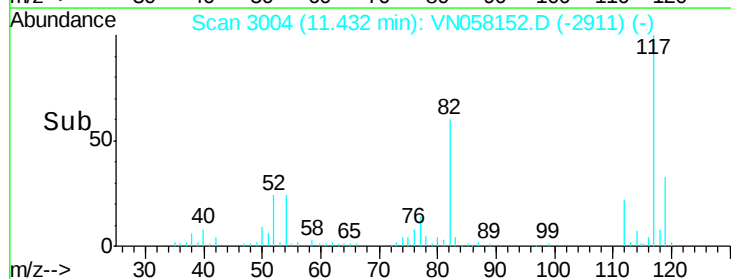
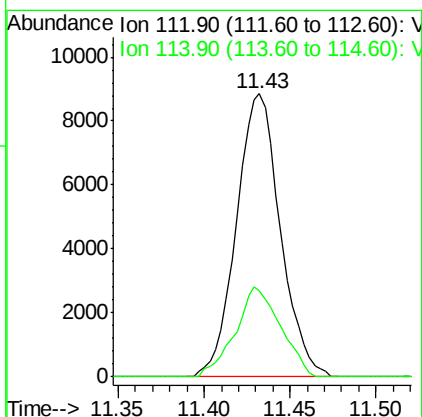
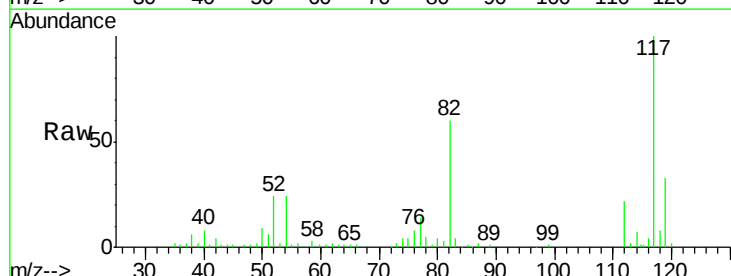
Manual Integrations
APPROVED

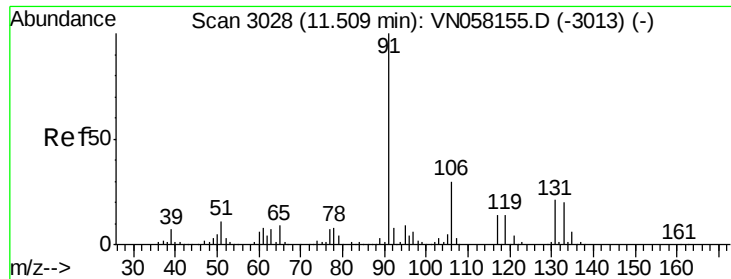
MMDadoda
9/20/2019 1:14:09 PM



#65
Chlorobenzene
Concen: 0.773 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058152.D
Acq: 18 Sep 2019 9:21

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.4	25.1	37.7





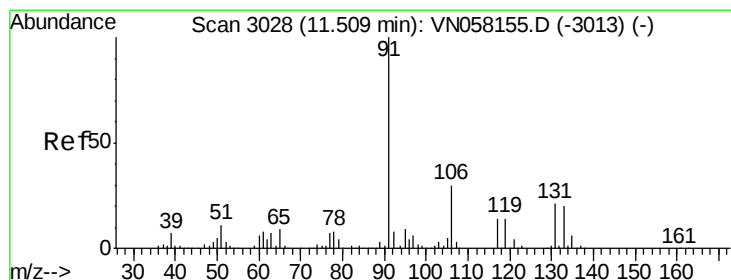
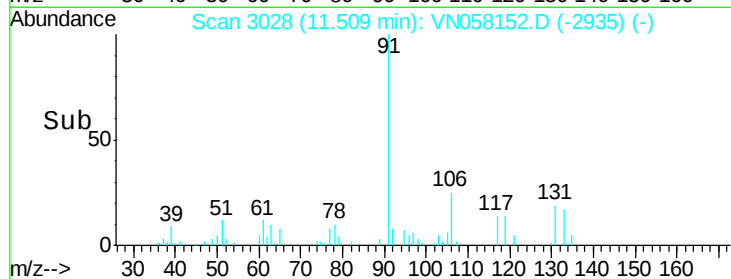
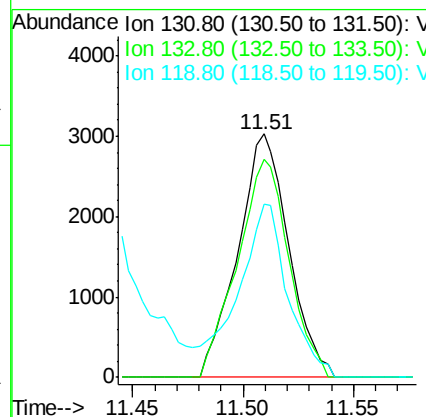
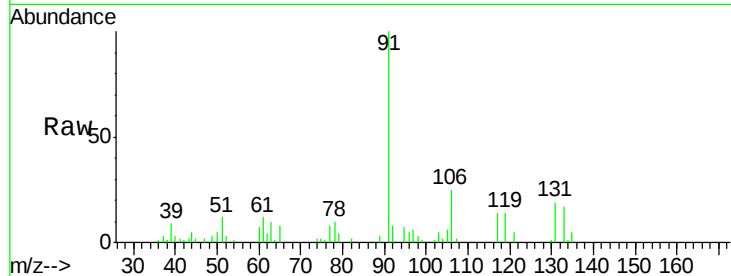
#66
 1,1,1,2-Tetrachloroethane
 Concen: 0.686 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
131	100		
133	90.8	47.8	143.3
119	0.0	33.1	99.3#

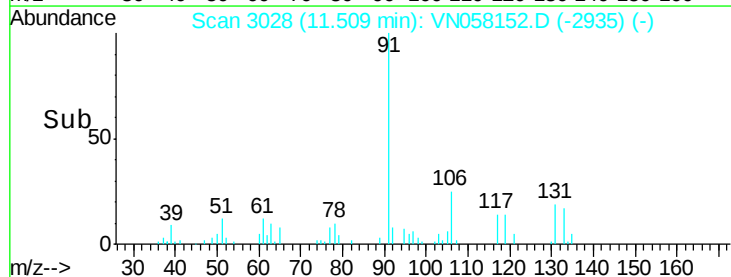
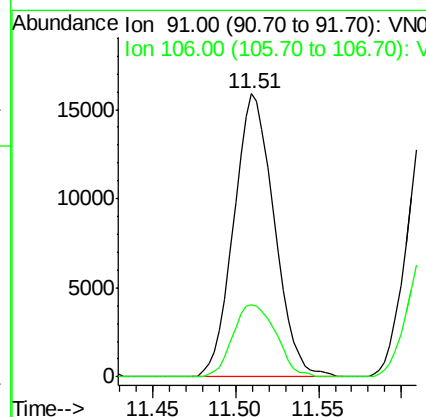
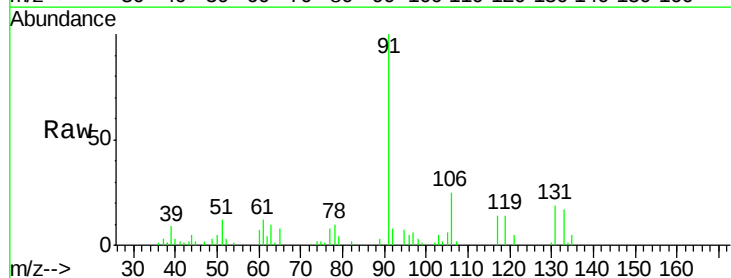
Manual Integrations
 APPROVED

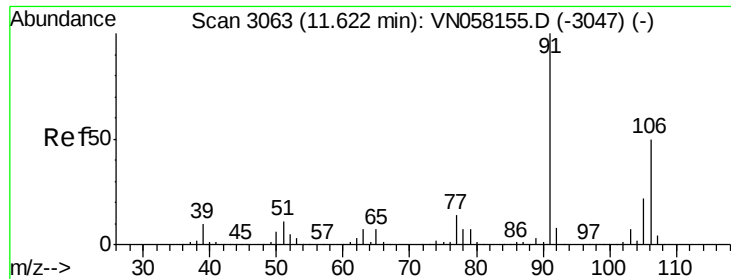
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#67
 Ethyl Benzene
 Concen: 0.760 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Tgt Ion	Ratio	Lower	Upper
91	100		
106	25.4	24.0	36.0





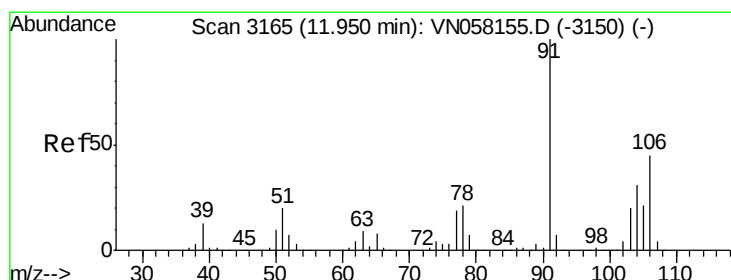
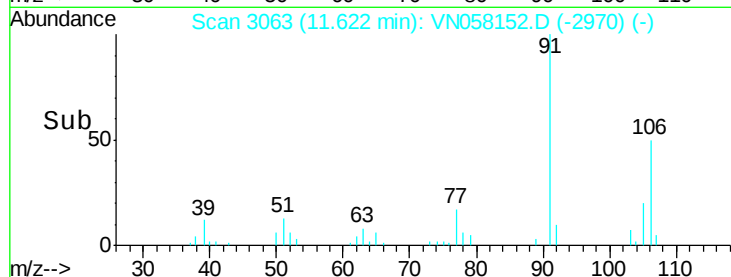
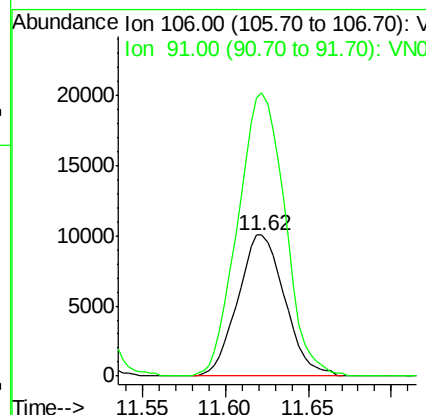
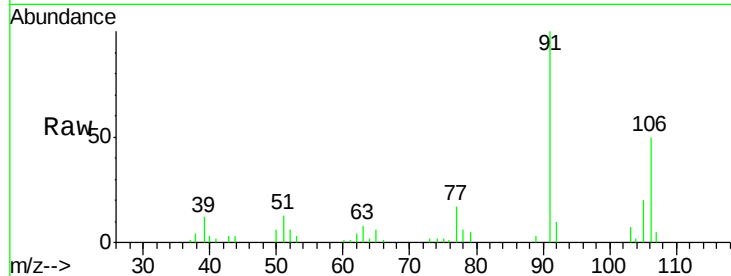
#68
m/p-Xvlenes
Concen: 1.523 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058152.D
Acq: 18 Sep 2019 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:106 Resp: 19794
Ion Ratio Lower Upper
106 100
91 202.0 163.6 245.4

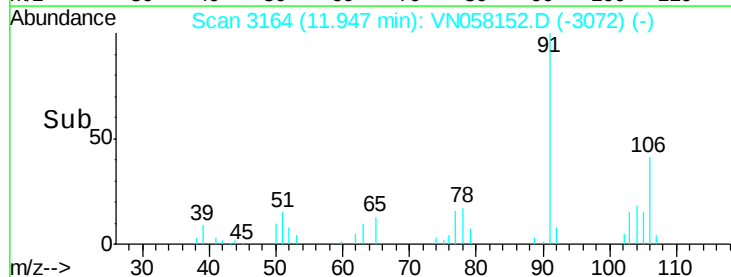
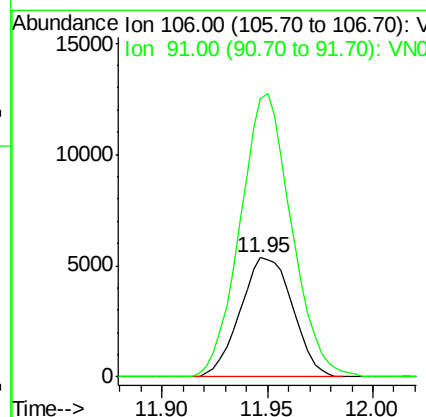
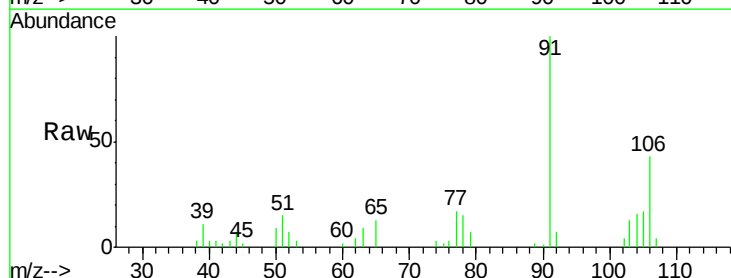
Manual Integrations
APPROVED

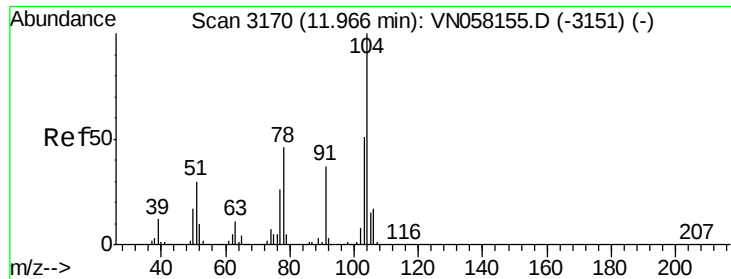
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#69
o-Xylene
Concen: 0.720 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN058152.D
Acq: 18 Sep 2019 9:21

Tgt Ion:106 Resp: 9269
Ion Ratio Lower Upper
106 100
91 232.1 111.8 335.3





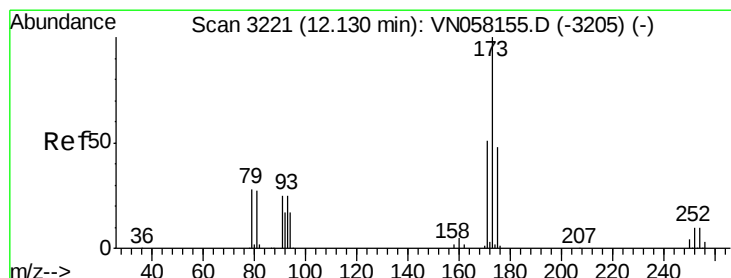
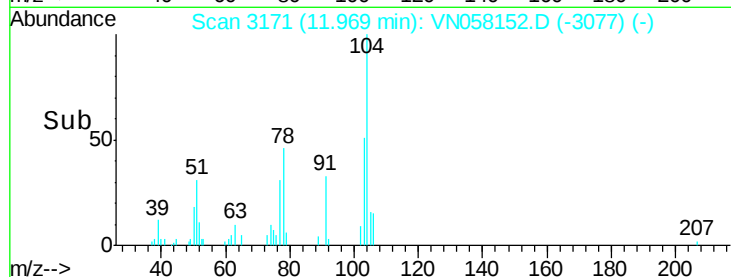
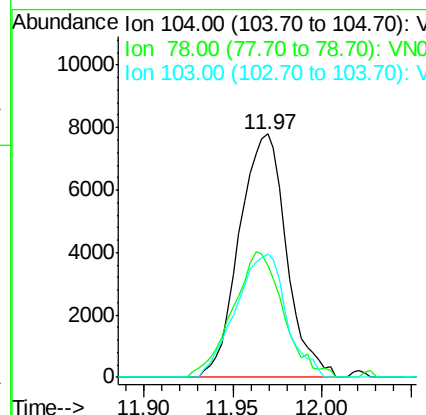
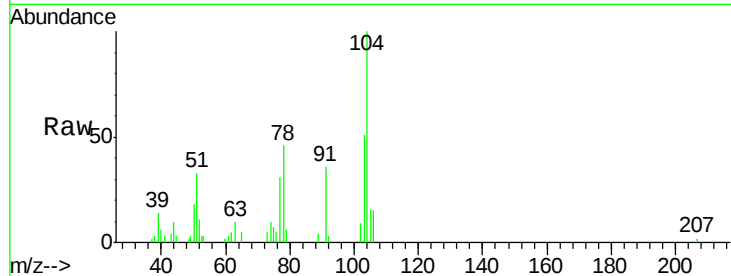
#70
Stvrene
Concen: 0.647 ug/l
RT: 11.97 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN058152.D
Acq: 18 Sep 2019 9:21

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
104	100		
78	55.5	41.8	62.8
103	54.2	44.2	66.2

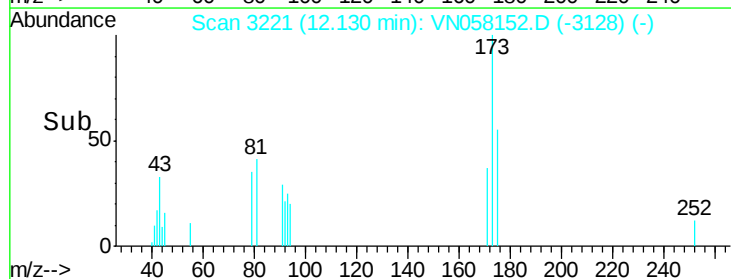
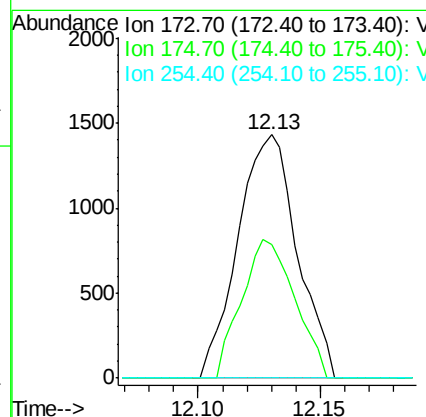
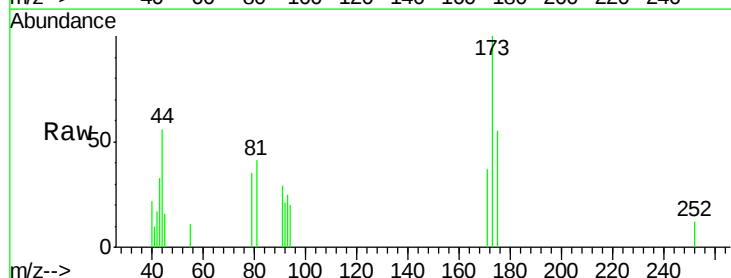
Manual Integrations
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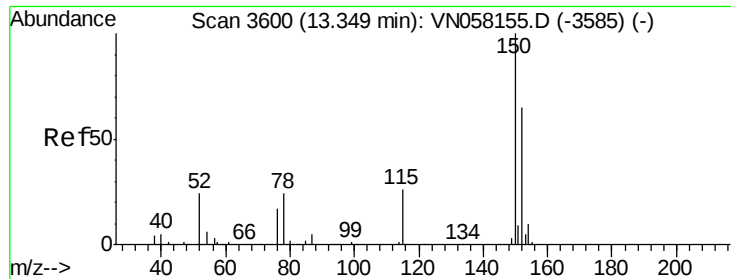
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#71
Bromoform
Concen: 0.549 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058152.D
Acq: 18 Sep 2019 9:21

Tgt Ion	Ratio	Lower	Upper
173	100		
175	51.1	24.2	72.6
254	0.0	0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:152 Resp: 371819

Ion Ratio Lower Upper

152 100

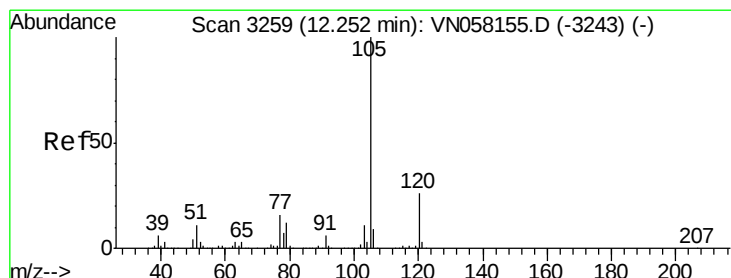
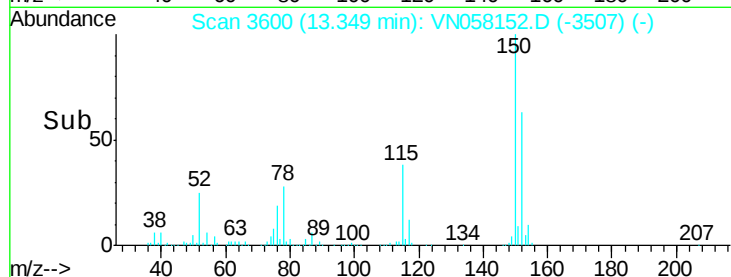
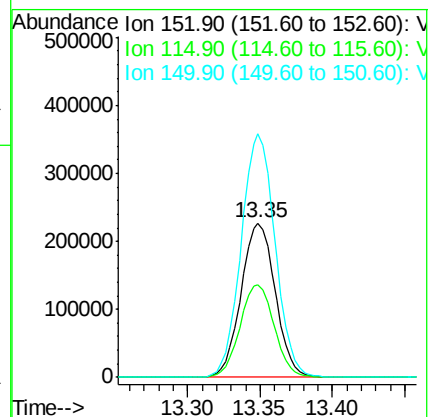
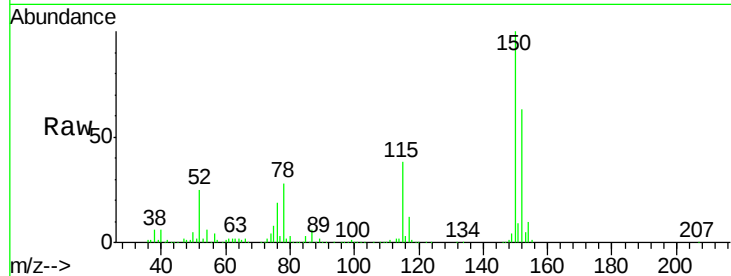
115 59.7 30.1 90.3

150 156.7 0.0 346.4

Manual Integrations
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#73

Isopropylbenzene

Concen: 0.899 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058152.D

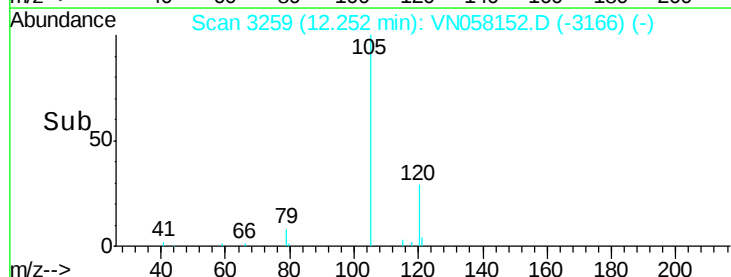
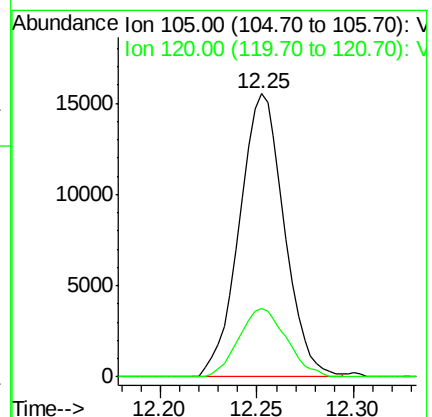
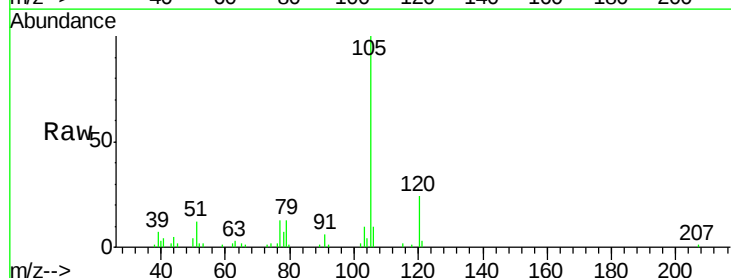
Acq: 18 Sep 2019 9:21

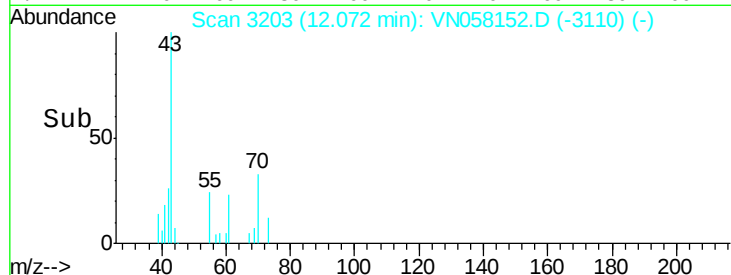
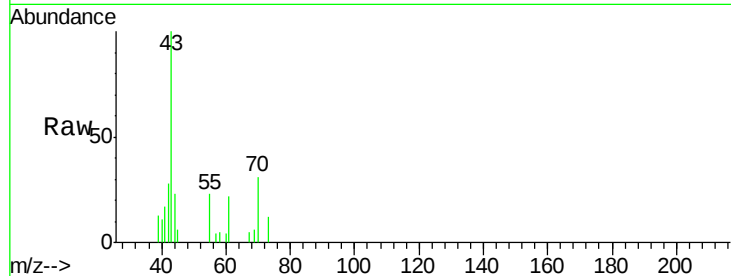
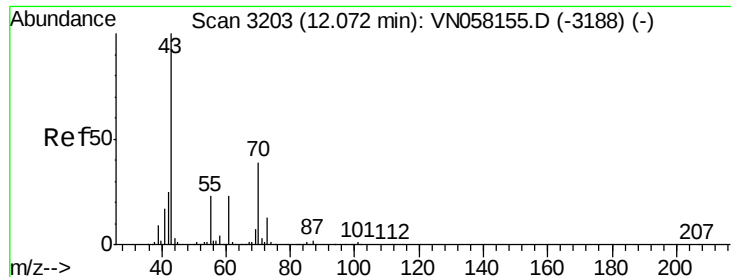
Tgt Ion:105 Resp: 25056

Ion Ratio Lower Upper

105 100

120 25.6 12.8 38.3





#74

N-amvl acetate

Concen: 0.658 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

Tot Ion:	43	Resp:	7934
Ion	Ratio	Lower	Upper
43	100		
70	35.1	31.0	46.6
55	22.3	18.5	27.7
61	20.9	18.2	27.2

Instrument :

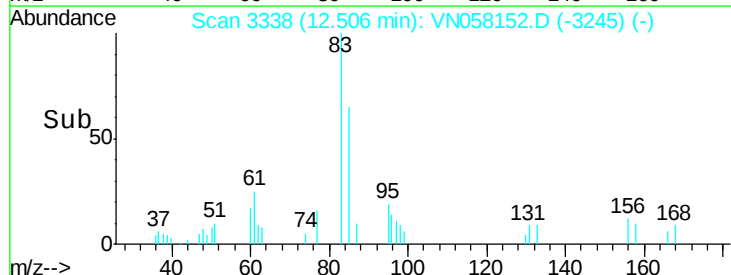
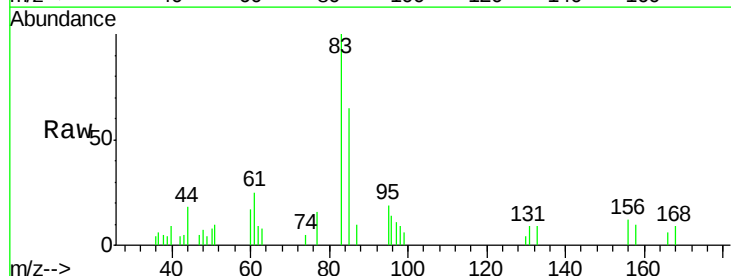
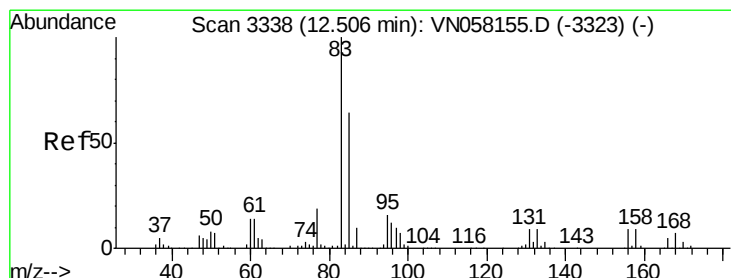
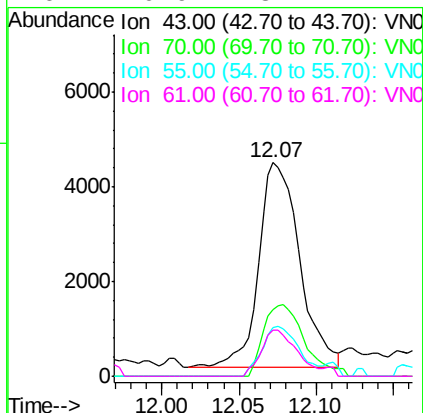
MSVOA_N

ClientSampleId :

VSTDIC001

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 0.863 ug/l

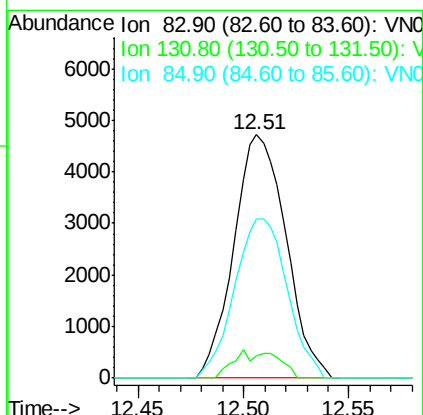
RT: 12.51 min Scan# 3338

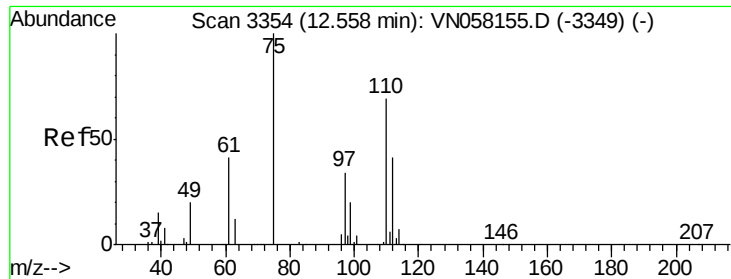
Delta R.T. 0.00 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

Tgt Ion:	83	Resp:	8089
Ion	Ratio	Lower	Upper
83	100		
131	4.0	4.8	14.3#
85	66.1	31.9	95.5





#76

1,2,3-Trichloropropane

Concen: 0.868 ug/l m

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 75 Resp: 7002

Ion Ratio Lower Upper

75 100

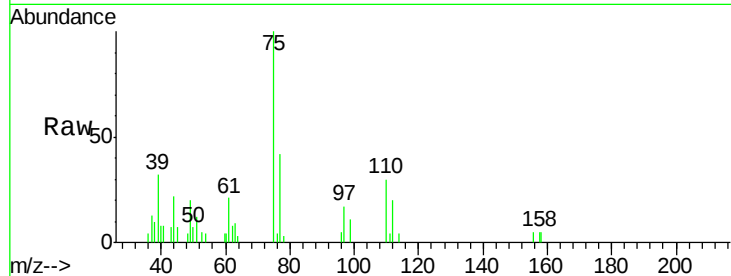
77 0.0 0.0 0.0

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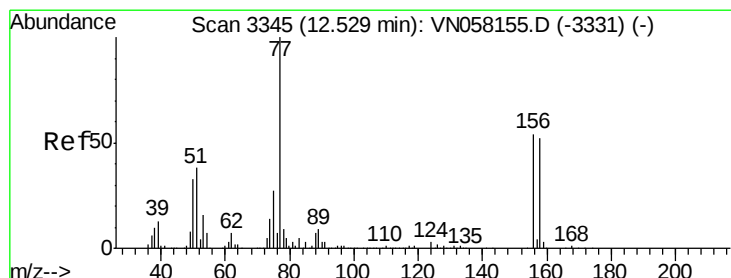
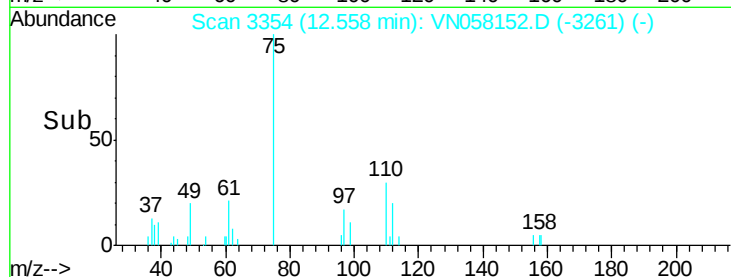
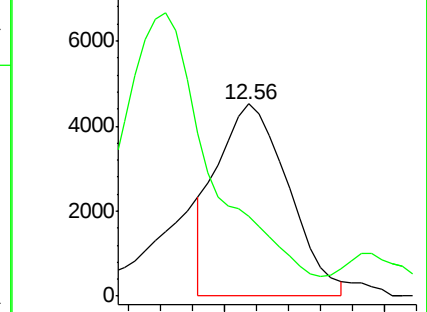
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Abundance Ion 74.90 (74.60 to 75.60): VN058155.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN058155.D (-3349) (-)



#77

Bromobenzene

Concen: 0.951 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

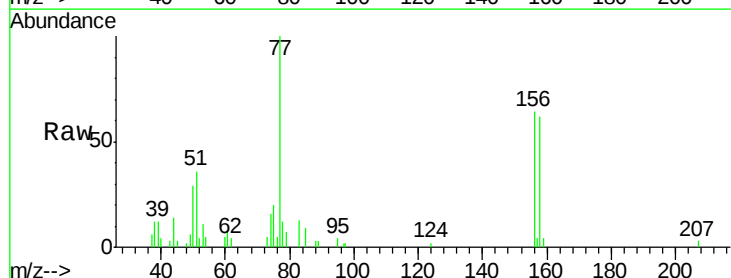
Tgt Ion: 156 Resp: 6641

Ion Ratio Lower Upper

156 100

77 202.5 111.7 335.1

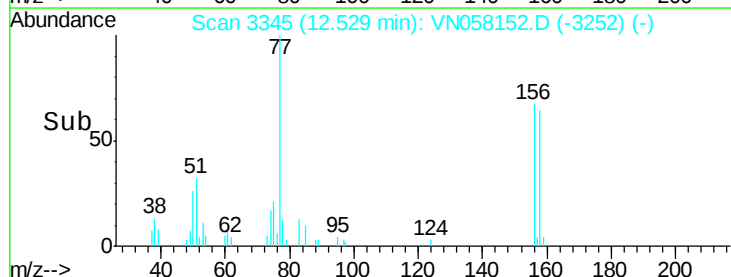
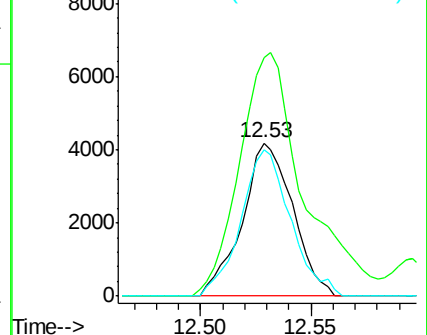
158 94.2 47.9 143.8

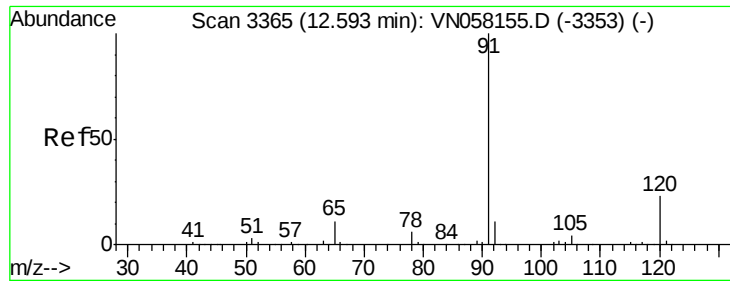


Abundance Ion 155.80 (155.50 to 156.50): VN058155.D (-3331) (-)

Ion 77.00 (76.70 to 77.70): VN058155.D (-3331) (-)

Ion 157.80 (157.50 to 158.50): VN058155.D (-3331) (-)





#78

n-propylbenzene

Concen: 0.866 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 27662

Ion Ratio Lower Upper

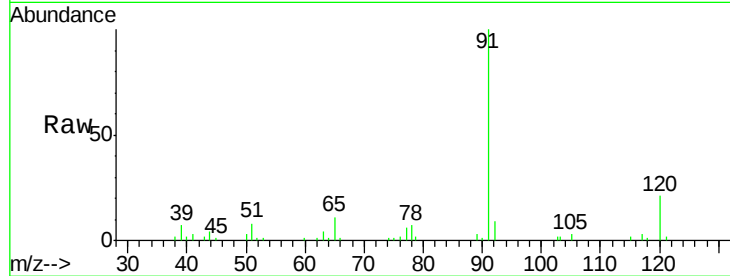
91 100

120 22.8 11.1 33.3

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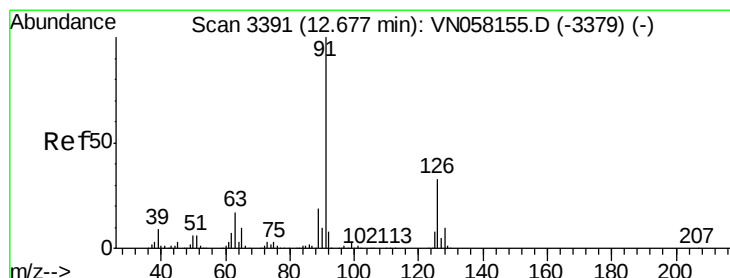
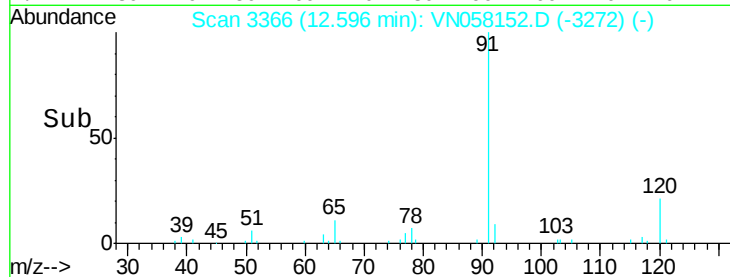
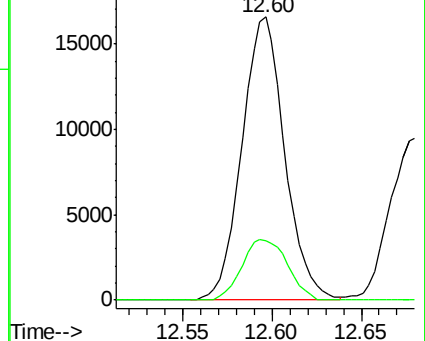
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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 0.820 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058152.D

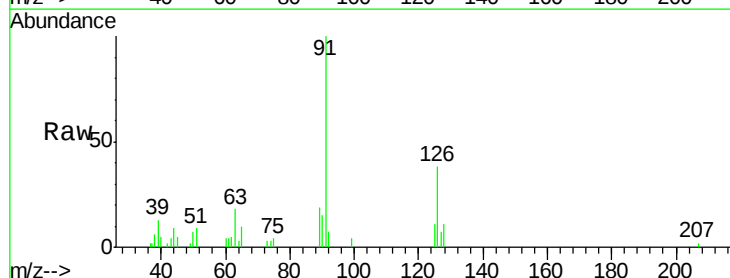
Acq: 18 Sep 2019 9:21

Tgt Ion: 91 Resp: 16596

Ion Ratio Lower Upper

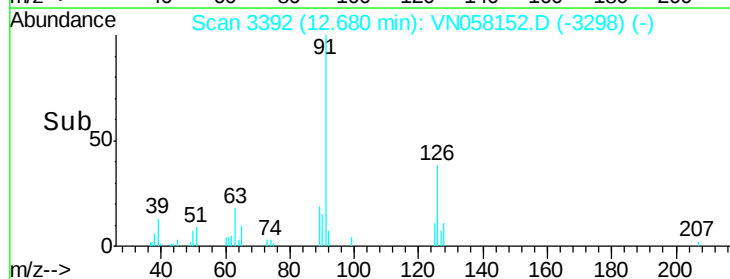
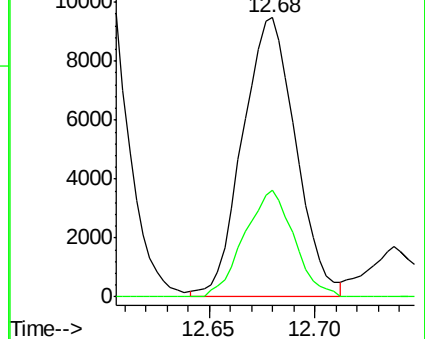
91 100

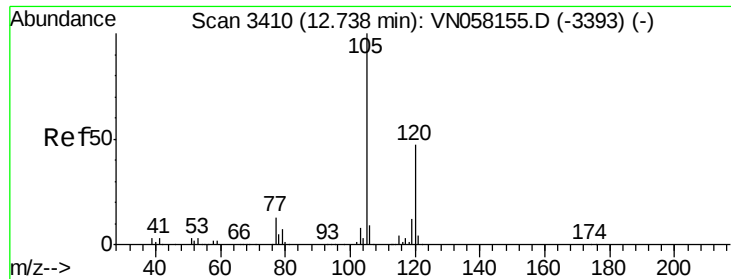
126 35.6 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





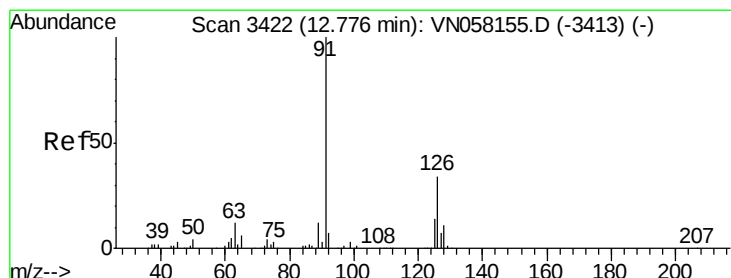
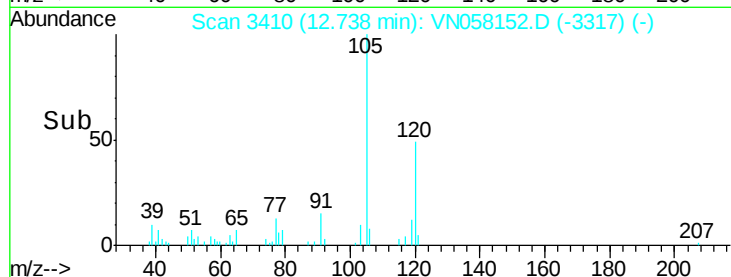
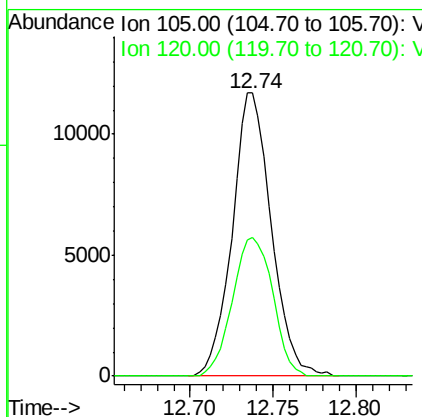
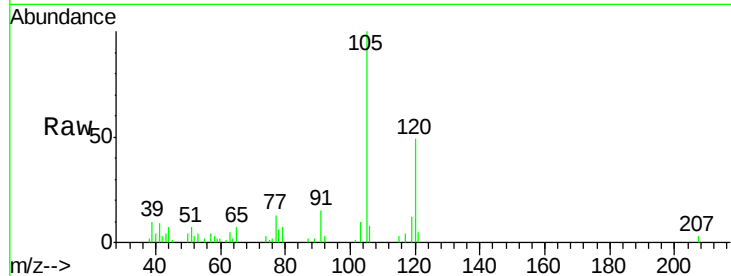
#80
 1,3,5-Trimethylbenzene
 Concen: 0.812 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion:105 Resp: 19141
 Ion Ratio Lower Upper
 105 100
 120 50.4 23.4 70.0

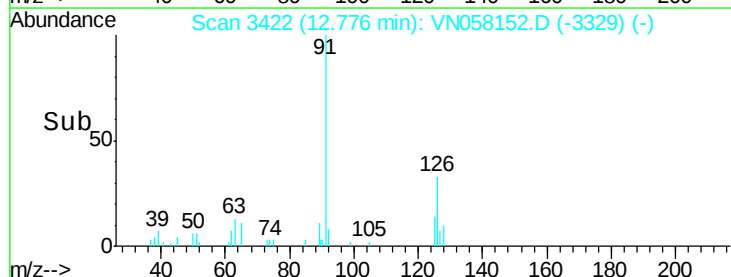
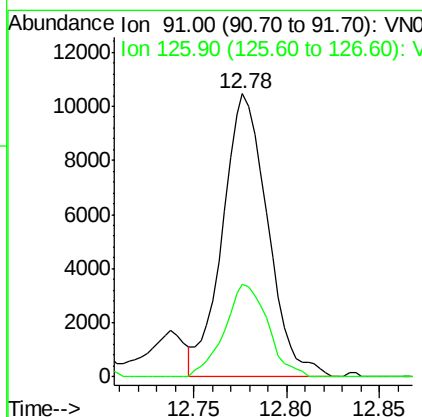
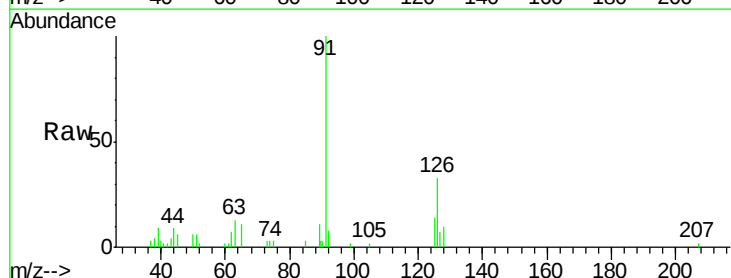
Manual Integrations
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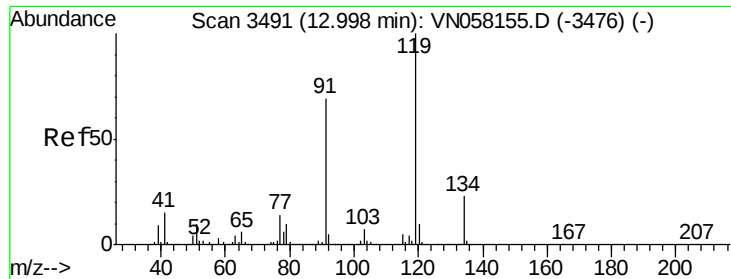
MMDadoda
 9/20/2019 1:14:09 PM



#82
 4-Chlorotoluene
 Concen: 0.849 ug/l
 RT: 12.78 min Scan# 3422
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Tgt Ion: 91 Resp: 17647
 Ion Ratio Lower Upper
 91 100
 126 31.4 15.7 47.1





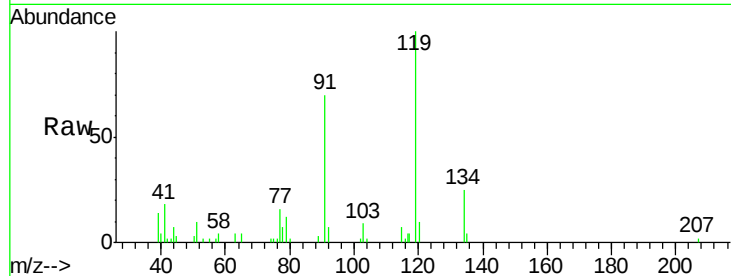
#83
tert-Butylbenzene
Concen: 0.833 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058152.D
Acq: 18 Sep 2019 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

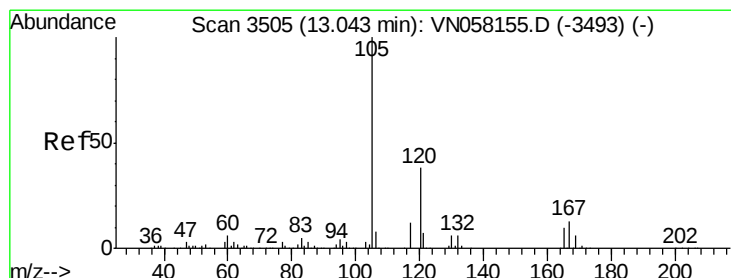
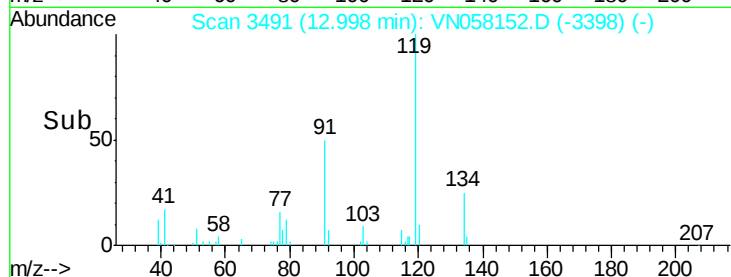
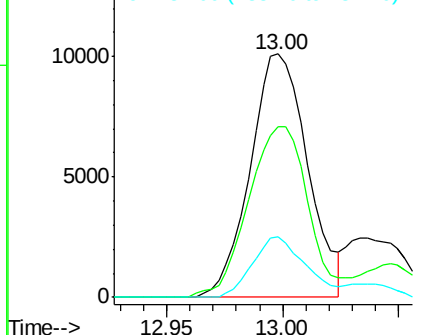
Tot Ion	Ratio	Lower	Upper
119	100		
91	72.9	33.8	101.3
134	22.8	11.6	34.8

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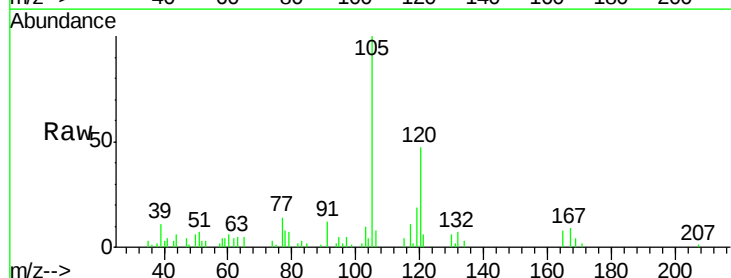


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

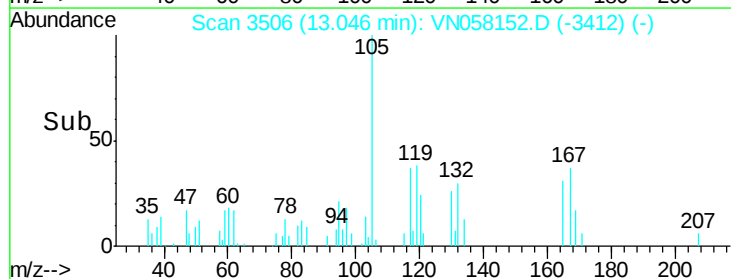
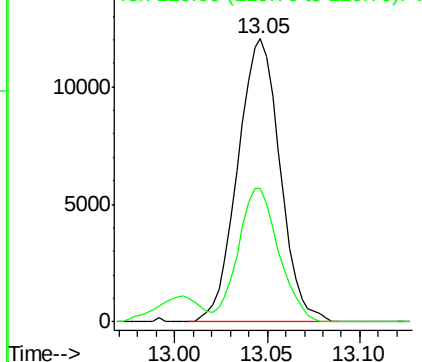


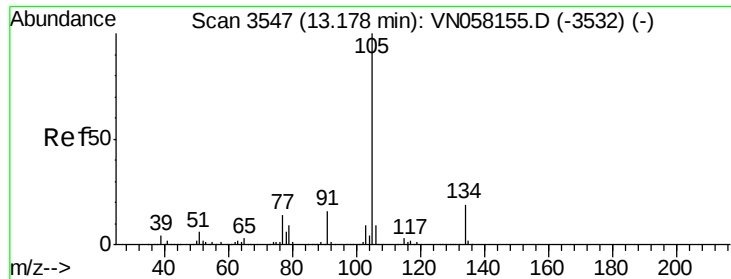
#84
1,2,4-Trimethylbenzene
Concen: 0.802 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN058152.D
Acq: 18 Sep 2019 9:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.1	66.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 0.835 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 23157

Ion Ratio Lower Upper

105 100

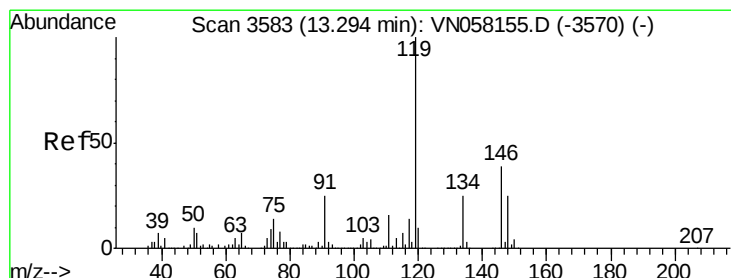
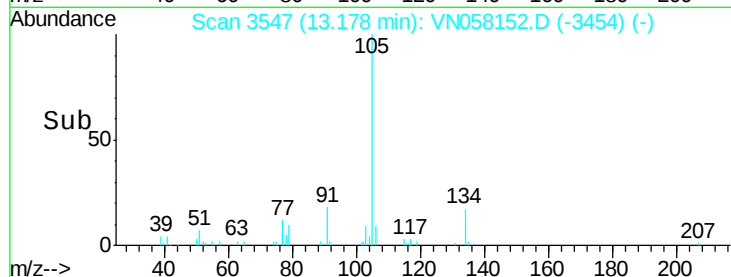
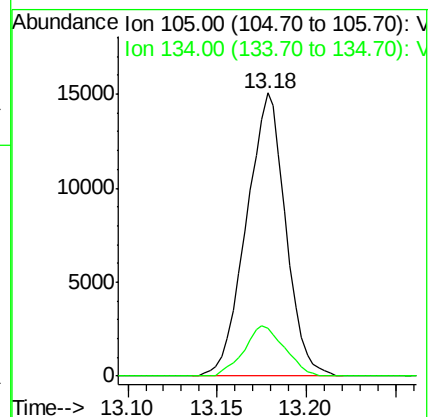
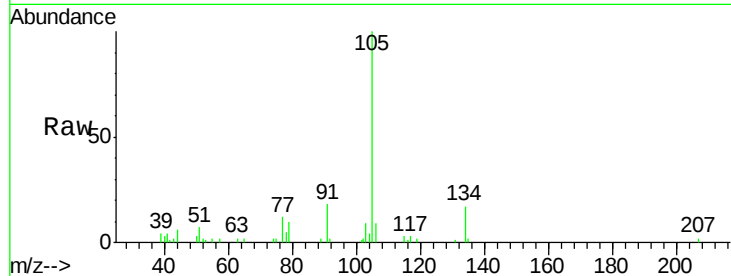
134 18.3 9.5 28.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 0.789 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

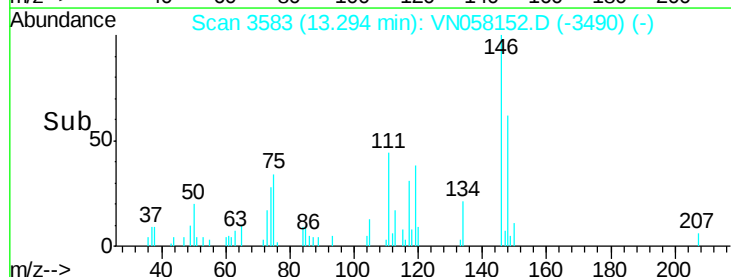
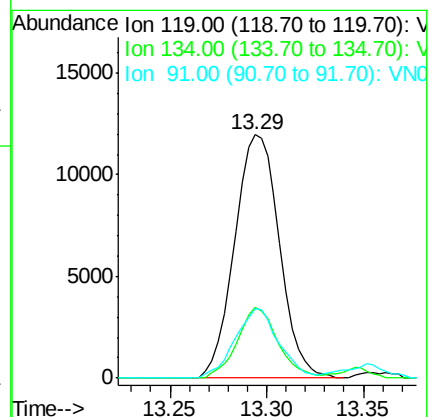
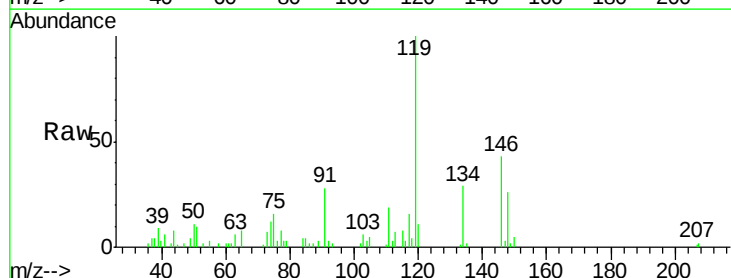
Tgt Ion:119 Resp: 19235

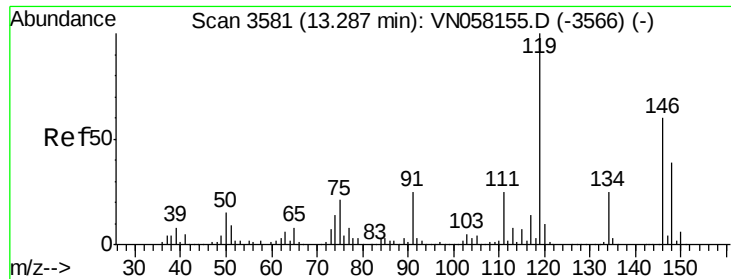
Ion Ratio Lower Upper

119 100

134 26.4 12.7 38.0

91 27.9 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 0.813 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

Instrument :

MSVOA_N

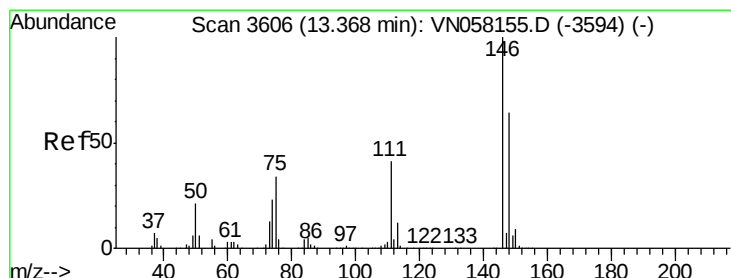
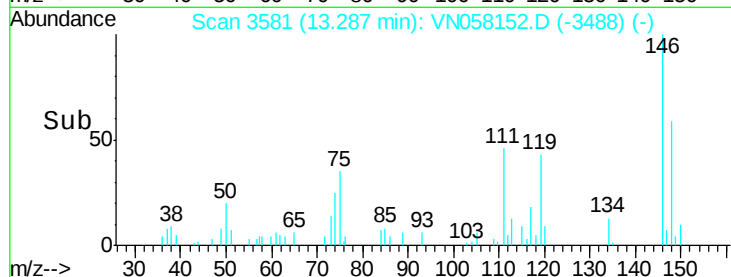
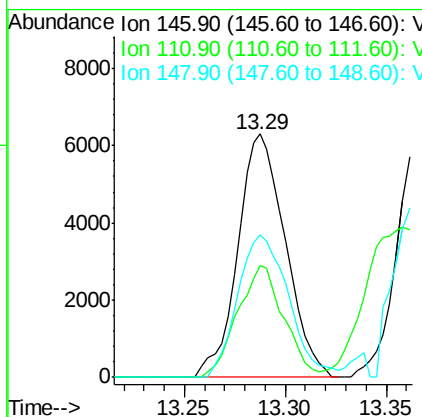
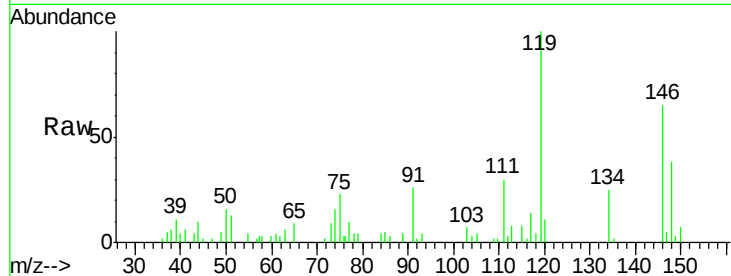
ClientSampled :

VSTDIC001

Tot Ion:	146	Resp:	10374
Ion Ratio	Lower	Upper	
146	100		
111	44.9	20.9	62.8
148	62.9	32.0	96.2

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#88

1,4-Dichlorobenzene

Concen: 0.878 ug/l m

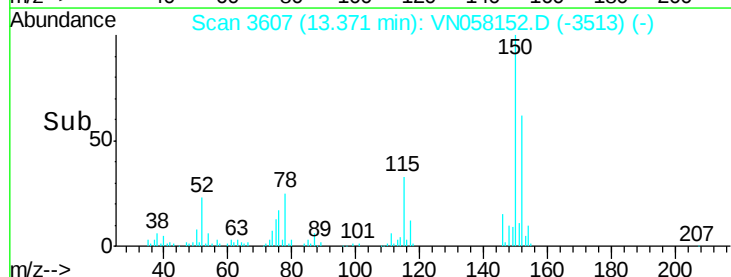
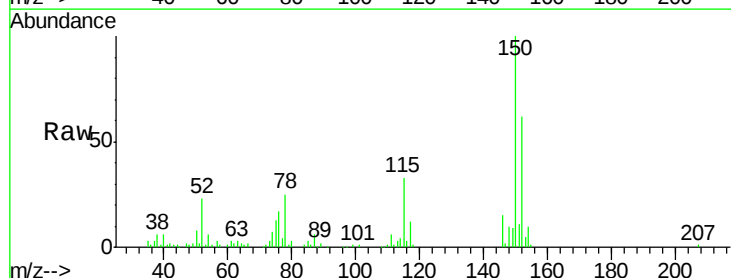
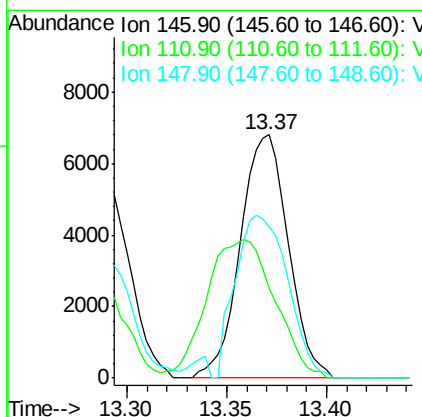
RT: 13.37 min Scan# 3607

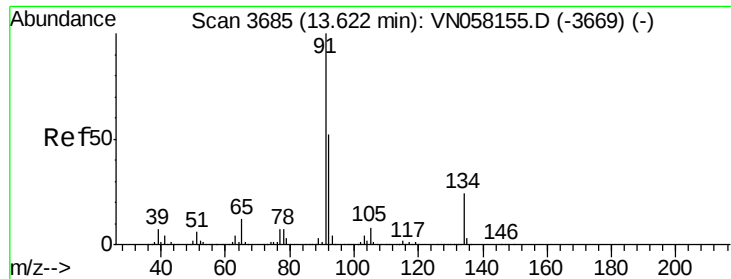
Delta R.T. 0.00 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

Tgt Ion:	146	Resp:	11408
Ion Ratio	Lower	Upper	
146	100		
111	40.8	20.5	61.5
148	57.2	31.9	95.5





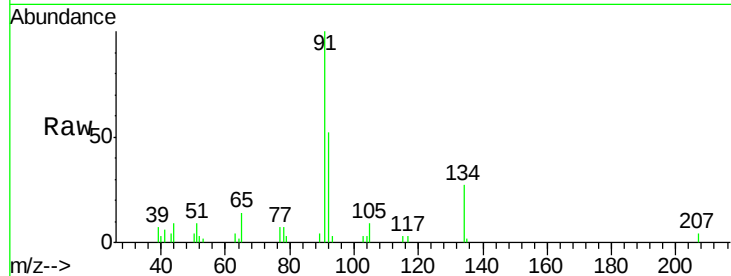
#89
n-Butylbenzene
Concen: 0.798 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058152.D
Acq: 18 Sep 2019 9:21

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

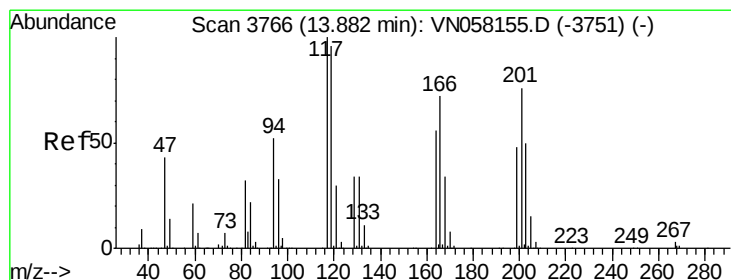
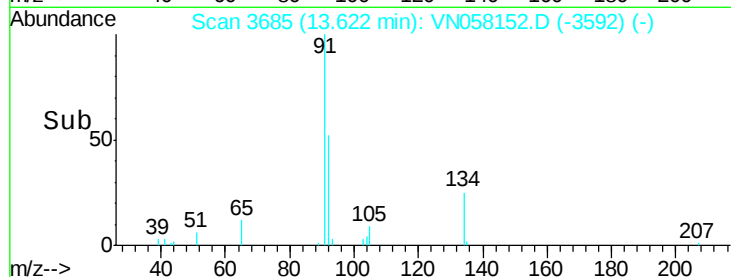
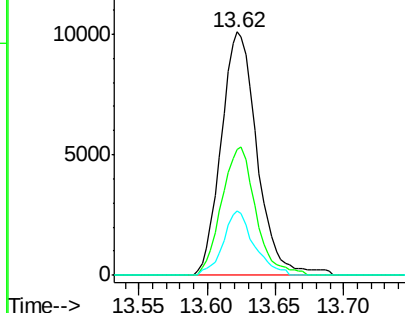
Tot Ion	Ratio	Lower	Upper
91	100		
92	49.9	25.7	77.0
134	22.9	11.8	35.4

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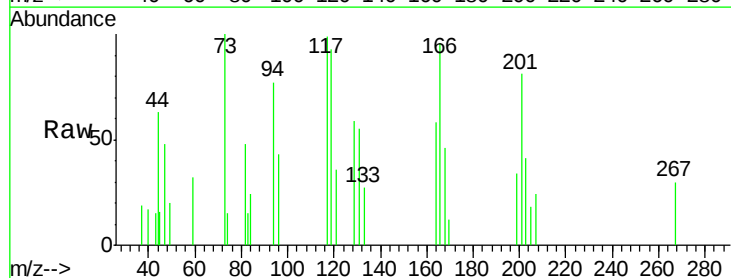


Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0
Ion 134.00 (133.70 to 134.70): V

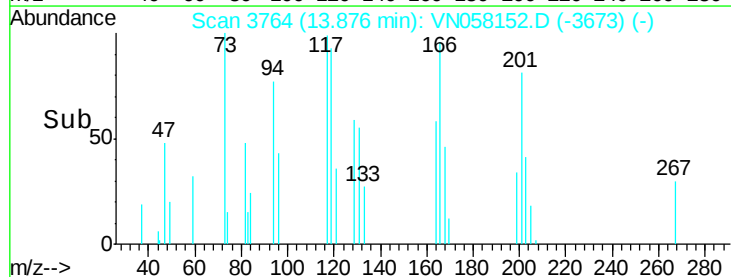
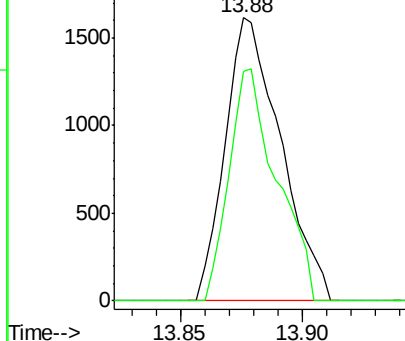


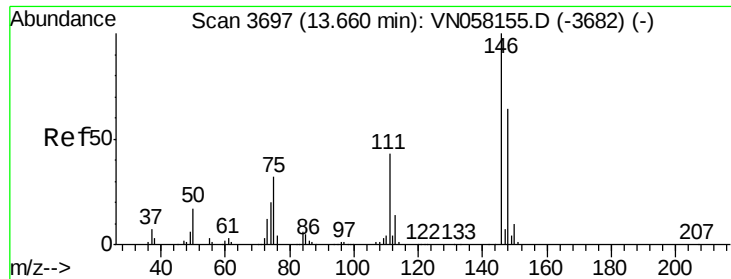
#90
Hexachloroethane
Concen: 0.701 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.01 min
Lab File: VN058152.D
Acq: 18 Sep 2019 9:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.7	37.5	112.5



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





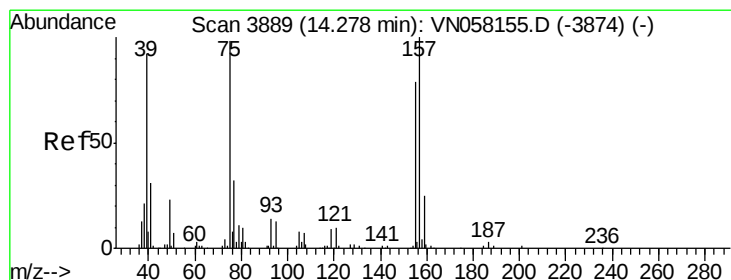
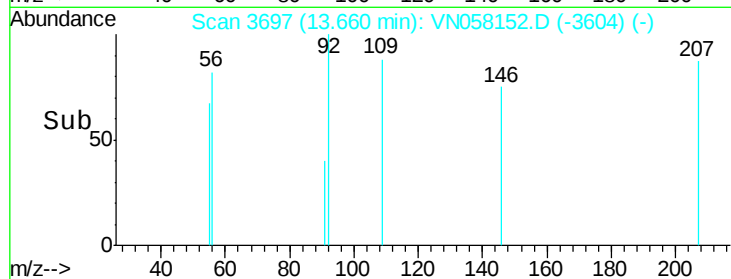
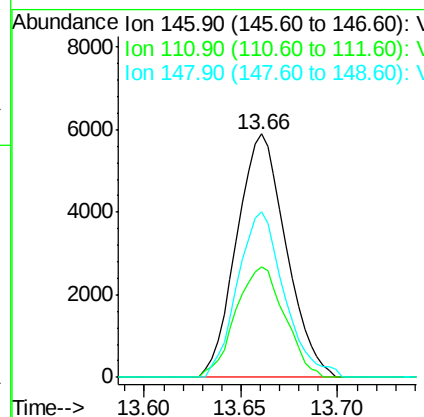
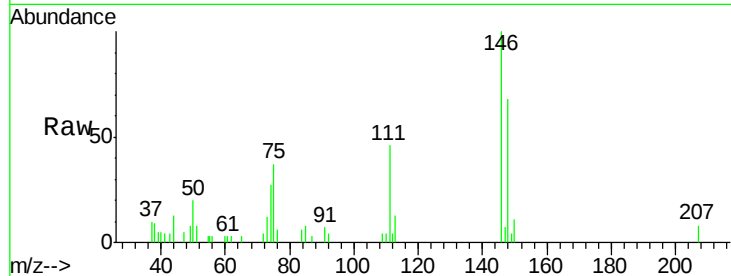
#91
 1,2-Dichlorobenzene
 Concen: 0.820 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.9	21.1	63.1
148	64.2	31.8	95.4

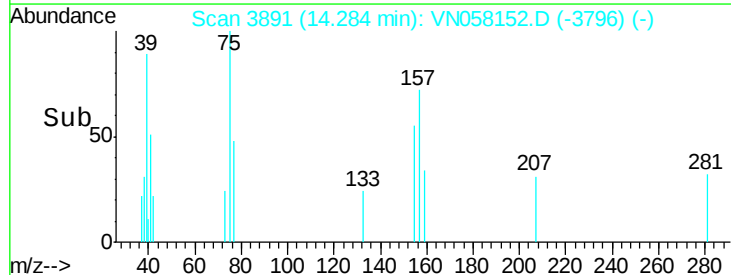
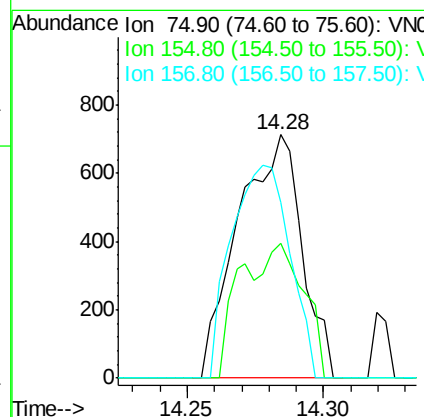
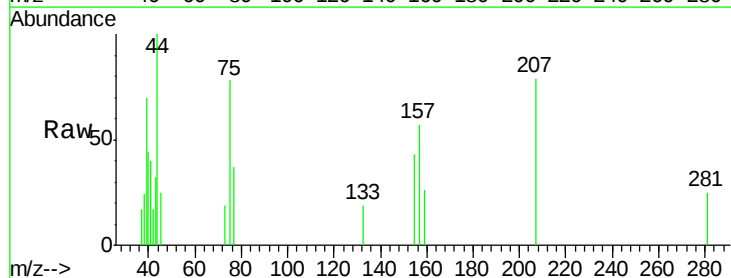
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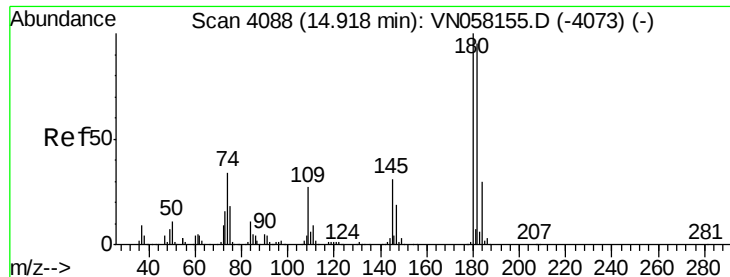
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.743 ug/l
 RT: 14.28 min Scan# 3891
 Delta R.T. 0.01 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	30.6	38.3	114.8#
157	0.0	48.0	144.0#





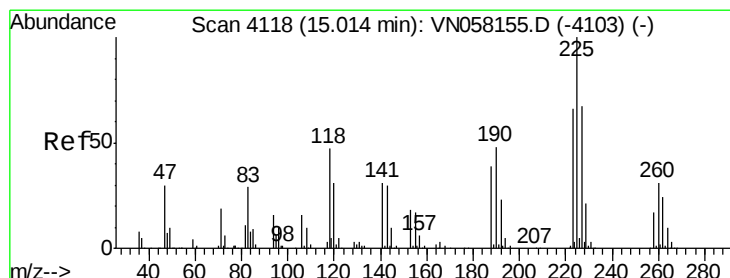
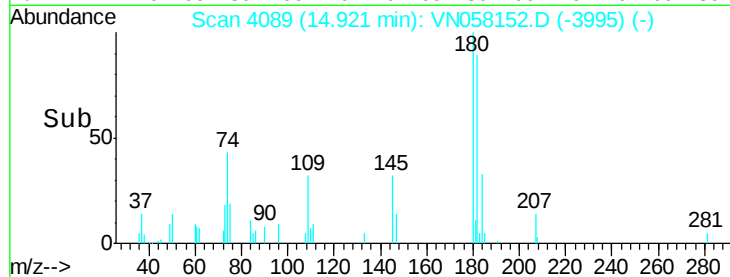
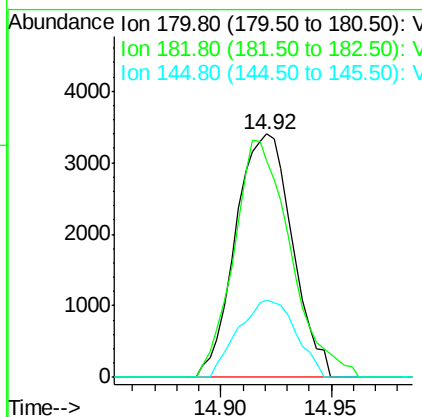
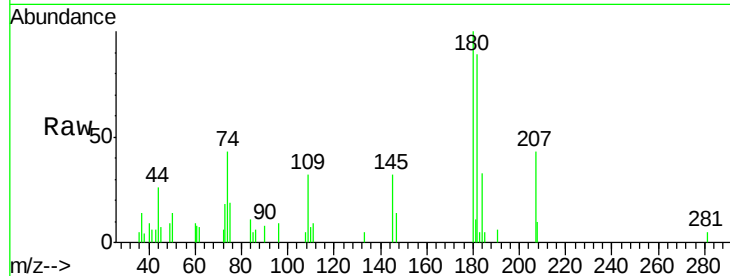
#93
 1,2,4-Trichlorobenzene
 Concen: 0.716 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.3	47.8	143.3
145	32.1	15.4	46.4

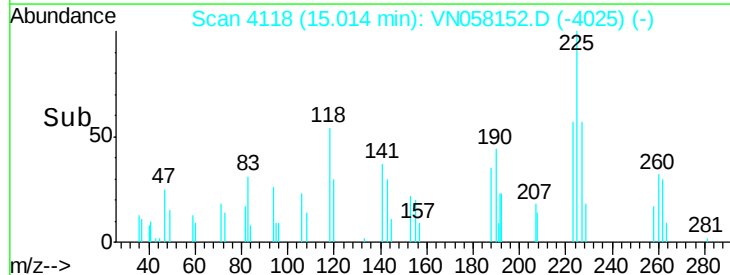
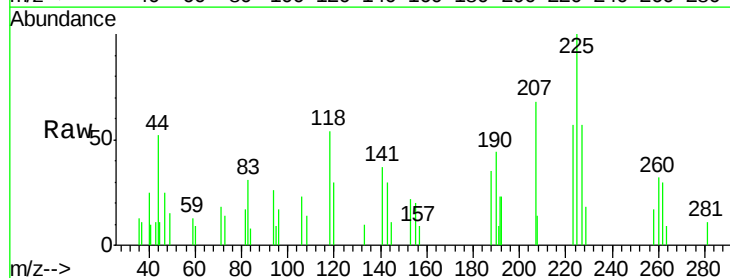
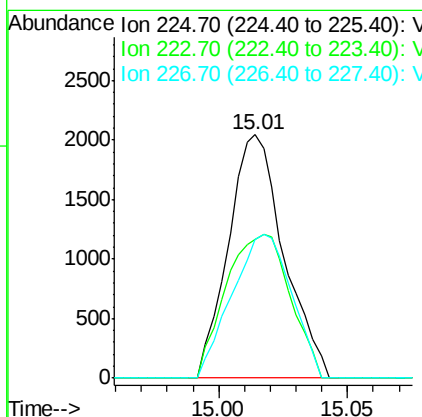
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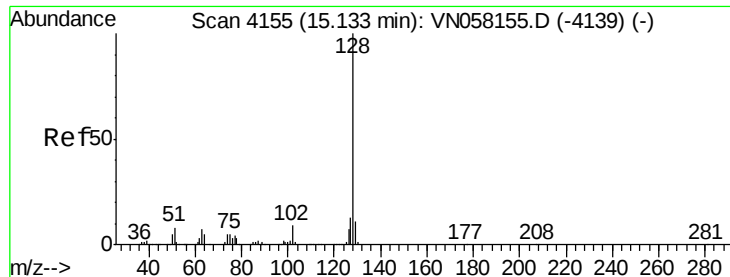
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#94
 Hexachlorobutadiene
 Concen: 0.845 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Tgt Ion	Ratio	Lower	Upper
225	100		
223	68.4	32.6	97.7
227	63.7	33.0	99.0





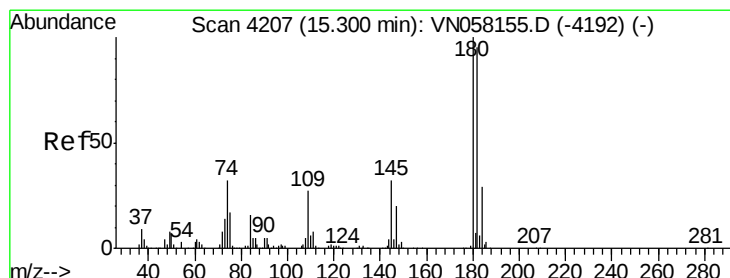
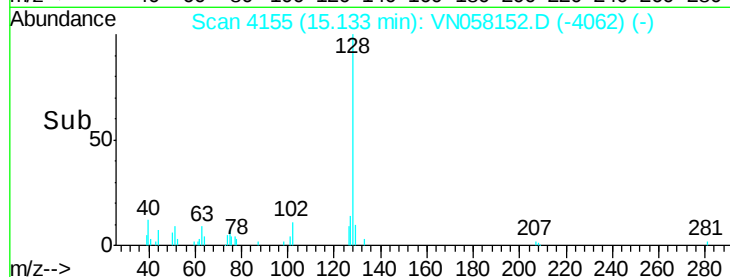
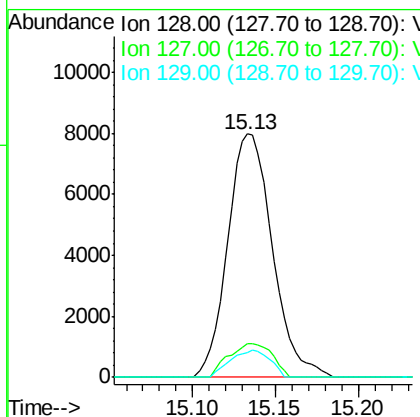
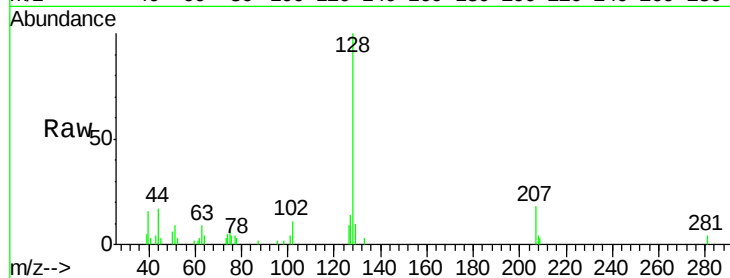
#95
Naphthalene
Concen: 0.619 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058152.D
Acq: 18 Sep 2019 9:21

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
128	100	14966		
127	13.5		10.2	15.2
129	9.9		8.6	12.8

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#96
1,2,3-Trichlorobenzene
Concen: 0.680 ug/l
RT: 15.30 min Scan# 4208
Delta R.T. 0.00 min
Lab File: VN058152.D
Acq: 18 Sep 2019 9:21

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	5615		
182	99.6		47.4	142.2
145	30.6		16.1	48.2

