

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100620\
 Data File : VN063892.D
 Acq On : 6 Oct 2020 12:03
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Quant Time: Oct 06 12:25:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N100620W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 06 12:20:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	65898	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	343773	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	327384	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	170192	34.66	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	115.53%
60) 4-Bromofluorobenzene	12.38	95	174510	33.23	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	110.77%
63) Toluene-d8	10.06	98	446202	29.78	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.27%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	595320	124.506	ug/l	100
3) Chloromethane	2.04	50	619209	119.570	ug/l	96
4) Vinyl Chloride	2.16	62	606931	116.323	ug/l	99
5) Bromomethane	2.52	94	382093	118.127	ug/l	97
6) Chloroethane	2.67	64	373742	119.976	ug/l	96
7) Trichlorofluoromethane	2.98	101	916591	137.636	ug/l	97
8) Diethyl Ether	3.37	74	316354	143.546	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	471750	130.876	ug/l	98
10) 1,1-Dichloroethene	3.70	96	458268	140.922	ug/l	98
11) Methyl Iodide	3.91	142	649300	146.826	ug/l	98
12) Methyl Acetate	4.28	43	616950	145.391	ug/l	99
13) Acrolein	3.56	56	354965	843.864	ug/l	98
14) Acrylonitrile	4.93	53	1249951	685.411	ug/l	97
15) Acetone	3.77	58	340888	641.477	ug/l	99
16) Carbon Disulfide	4.01	76	1394935	156.351	ug/l	99
17) Allyl chloride	4.28	41	882359	144.638	ug/l	98
18) Methylene Chloride	4.50	84	542612	123.206	ug/l	97
19) trans-1,2-Dichloroethene	4.99	96	529859	148.276	ug/l	95
20) Diisopropyl ether	5.90	45	1816242	134.586	ug/l	98
21) 1,1-Dichloroethane	5.80	63	1047184	137.426	ug/l	99
22) cis-1,2-Dichloroethene	6.78	96	613861	140.944	ug/l	92
23) tert-Butyl Alcohol	4.73	59	515562	809.135	ug/l	# 100
24) Methyl tert-Butyl Ether	4.99	73	1612675	137.408	ug/l	# 56
25) Chloroform	7.33	83	1093345	142.304	ug/l	96
26) Cyclohexane	7.61	56	802199	127.988	ug/l	# 95
29) 1,1-Dichloropropene	7.75	75	818845	152.617	ug/l	99
30) 2-Butanone	6.78	43	2051313	816.169	ug/l	99
31) 2,2-Dichloropropane	6.78	77	925548	142.070	ug/l	# 77
32) 1,1,1-Trichloroethane	7.53	97	1005197	153.433	ug/l	98
33) Carbon Tetrachloride	7.73	117	877811	156.330	ug/l	98
34) Benzene	8.00	78	2284159	137.135	ug/l	# 91
35) Methacrylonitrile	7.12	41	397881	170.933	ug/l	97
36) 1,2-Dichloroethane	8.08	62	961345	159.443	ug/l	100
37) Trichloroethene	8.80	130	585358	142.127	ug/l	99
38) Methylcyclohexane	9.05	83	720033	116.063	ug/l	97
39) 1,2-Dichloropropane	9.08	63	609538	127.208	ug/l	98
40) Dibromomethane	9.17	93	421281	145.208	ug/l	97

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	908134	143.974	ug/l	96
42) Vinyl Acetate	5.84	43	8518666	865.696	ug/l	99
43) Ethyl Acetate	7.33	43	1401	0.286	ug/l	95
44) Isopropyl Acetate	8.13	43	1481567	177.267	ug/l #	100
45) 1,4-Dioxane	9.16	88	175360	2463.249	ug/l	91
46) Methyl methacrylate	9.17	41	753723	182.962	ug/l	98
47) n-amyl Acetate	12.05	43	1415017	192.464	ug/l	100
48) t-1,3-Dichloropropene	10.35	75	1033601	153.881	ug/l	99
49) cis-1,3-Dichloropropene	9.81	75	1056962	147.350	ug/l	96
50) 1,1,2-Trichloroethane	10.53	97	578481	134.486	ug/l	96
51) Ethyl methacrylate	10.40	69	939271	157.731	ug/l	95
52) 1,3-Dichloropropane	10.68	76	1006424	140.929	ug/l	98
53) Dibromochloromethane	10.87	129	698678	145.960	ug/l	100
54) 1,2-Dibromoethane	10.98	107	622887	147.743	ug/l	100
55) 2-Chloroethyl vinyl ether	9.66	63	2418357	1480.611	ug/l	99
56) Bromoform	12.10	173	512229	148.235	ug/l	98
58) 4-Methyl-2-Pentanone	9.95	43	4349264	839.615	ug/l	97
59) 2-Hexanone	10.72	43	3303268	884.731	ug/l	98
61) Tetrachloroethene	10.60	164	531542	139.132	ug/l	98
62) Toluene	10.13	91	2562283	141.674	ug/l	98
64) Chlorobenzene	11.41	112	1558722	140.171	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.48	131	606200	137.641	ug/l	99
66) Ethyl Benzene	11.49	91	2899930	146.293	ug/l	99
67) m/p-Xylenes	11.60	106	2174887	293.337	ug/l	95
68) o-Xylene	11.92	106	1039570	146.642	ug/l	97
69) Styrene	11.94	104	1839513	149.275	ug/l	99
70) Isopropylbenzene	12.22	105	2777228	144.633	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	854261	140.238	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	1237015	220.182	ug/l	67
73) Bromobenzene	12.50	156	684055	134.436	ug/l	97
74) n-propylbenzene	12.57	91	3195629	139.355	ug/l	97
75) 2-Chlorotoluene	12.65	91	1966219	143.321	ug/l	99
76) 1,3,5-Trimethylbenzene	12.71	105	2367647	145.061	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	336727	169.788	ug/l	94
78) 4-Chlorotoluene	12.75	91	2075114	145.767	ug/l	99
79) tert-butylbenzene	12.97	119	1894623	138.908	ug/l	97
80) 1,2,4-Trimethylbenzene	13.01	105	2375695	148.066	ug/l	98
81) sec-Butylbenzene	13.15	105	2492042	133.644	ug/l	99
82) p-Isopropyltoluene	13.26	119	2293831	138.525	ug/l	98
83) 1,3-Dichlorobenzene	13.26	146	1244208	139.240	ug/l	98
84) 1,4-Dichlorobenzene	13.34	146	1251113	142.614	ug/l	98
85) n-Butylbenzene	13.59	91	2045614	145.648	ug/l	96
86) Hexachloroethane	13.85	117	386445	121.954	ug/l	97
87) 1,2-Dichlorobenzene	13.63	146	1195363	138.812	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.24	75	208888	194.015	ug/l	96
89) 1,2,4-Trichlorobenzene	14.88	180	656724	151.086	ug/l	99
90) Hexachlorobutadiene	14.98	225	321581	107.105	ug/l	97
91) Naphthalene	15.10	128	2045740	194.981	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	628490	145.592	ug/l	98

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VSTDICC150

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Oct 06 12:20:09 2020
Response via : Initial Calibration

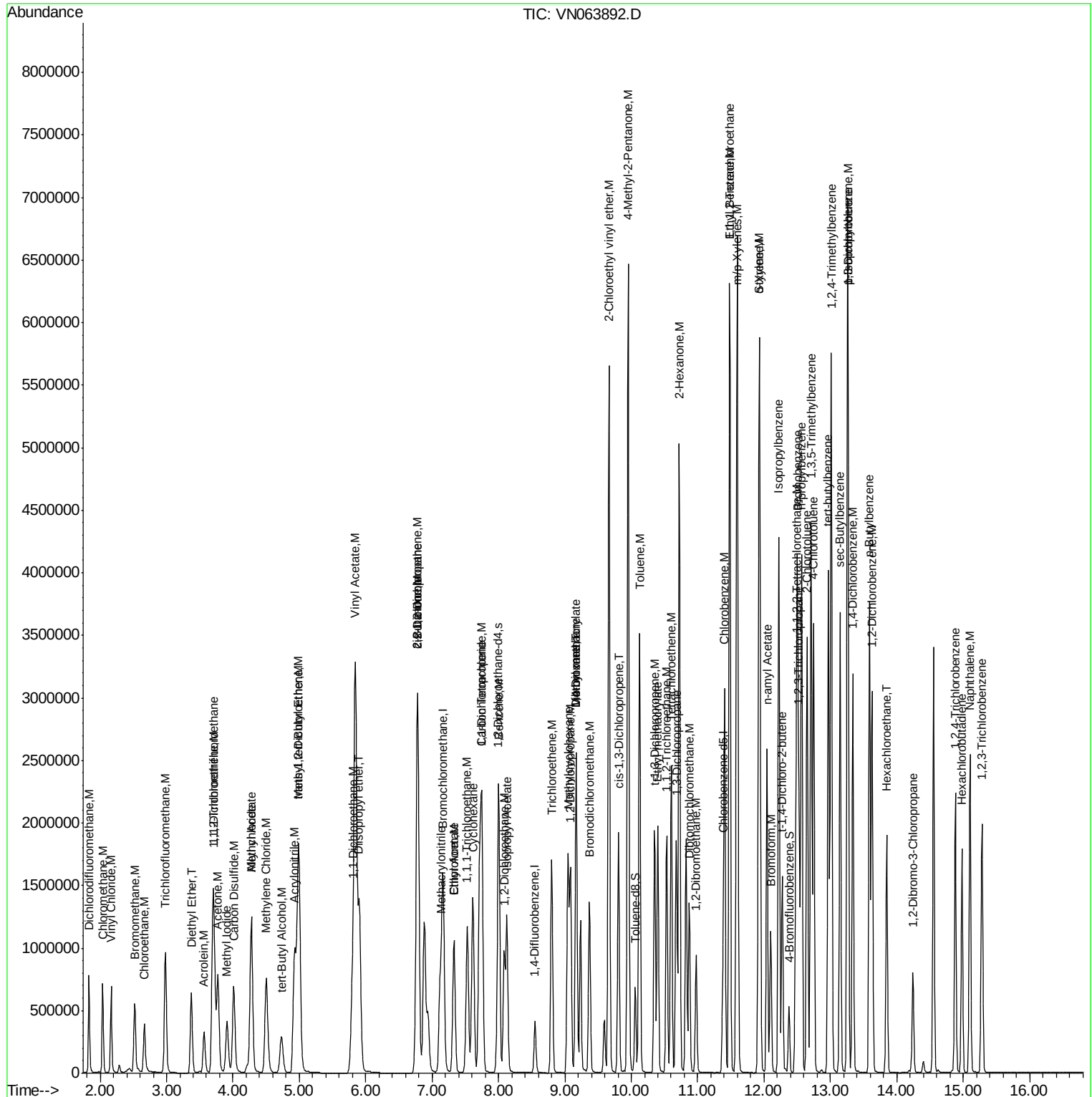
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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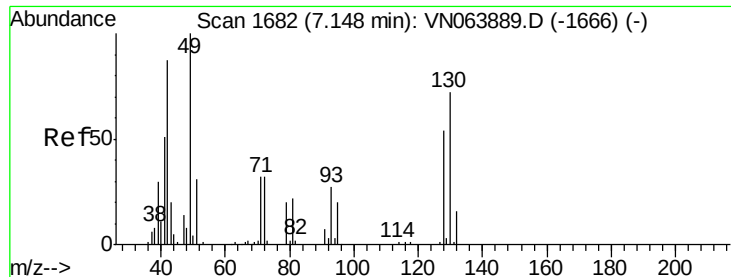
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN100620\
Data File : VN063892.D
Acq On : 6 Oct 2020 12:03
Operator : JC/MD
Sample : VSTDIC150
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Quant Time: Oct 06 12:25:30 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\624N100620W.M
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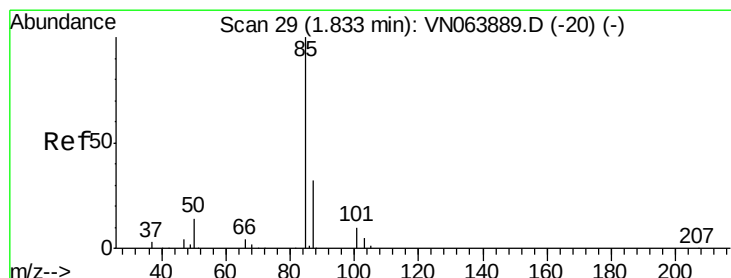
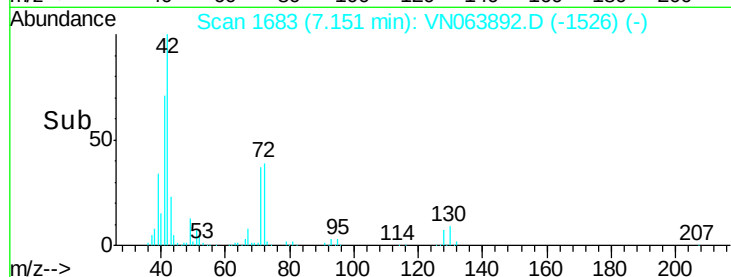
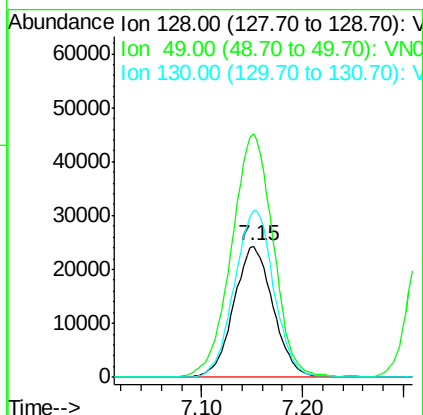
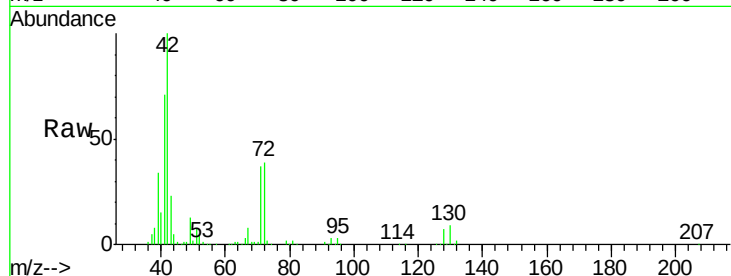




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.15 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VN063892.D
Acq: 6 Oct 2020 12:03

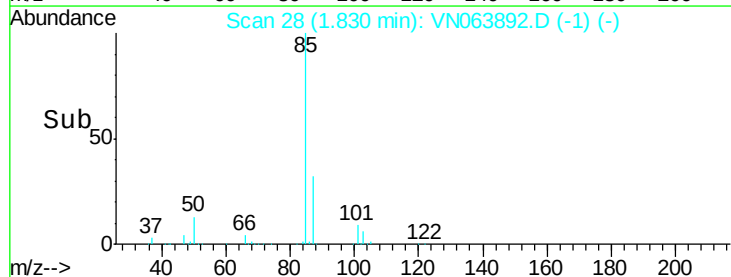
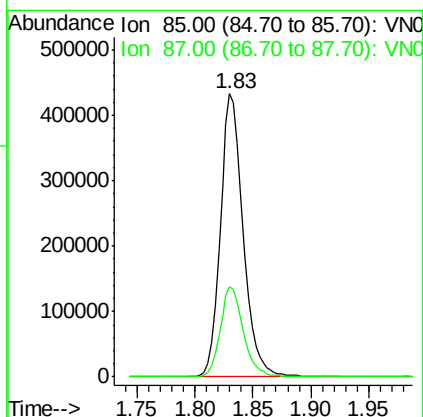
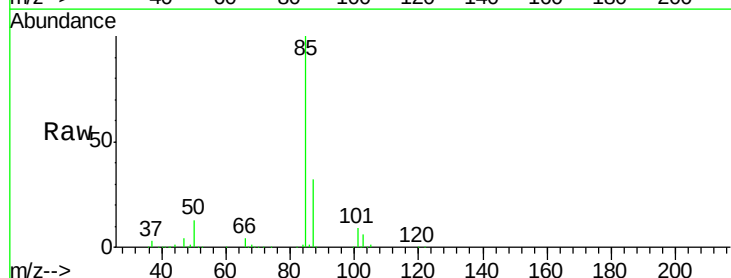
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

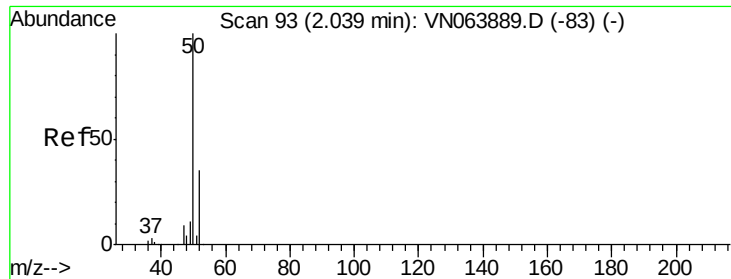
Tgt Ion:128 Resp: 65898
Ion Ratio Lower Upper
128 100
49 196.0 0.0 461.8
130 127.3 0.0 331.8



#2
Dichlorodifluoromethane
Concen: 124.506 ug/l
RT: 1.83 min Scan# 28
Delta R.T. -0.00 min
Lab File: VN063892.D
Acq: 6 Oct 2020 12:03

Tgt Ion: 85 Resp: 595320
Ion Ratio Lower Upper
85 100
87 31.9 16.1 48.2





#3

Chloromethane

Concen: 119.570 ug/l

RT: 2.04 min Scan# 92

Delta R.T. -0.00 min

Lab File: VN063892.D

Acq: 6 Oct 2020 12:03

Instrument :

MSVOA_N

ClientSampleId :

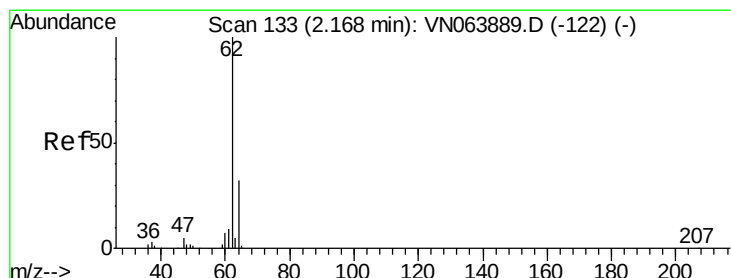
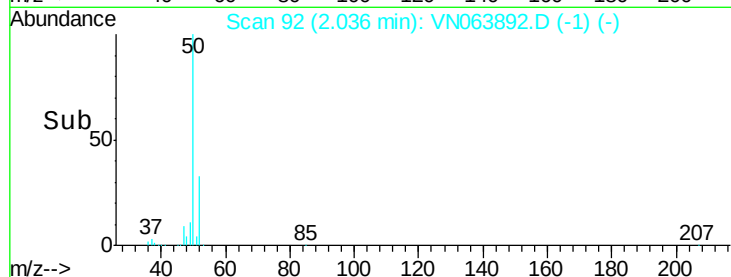
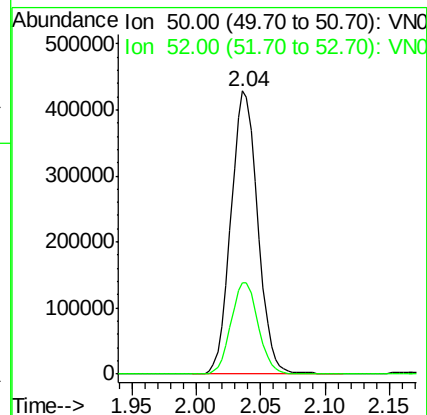
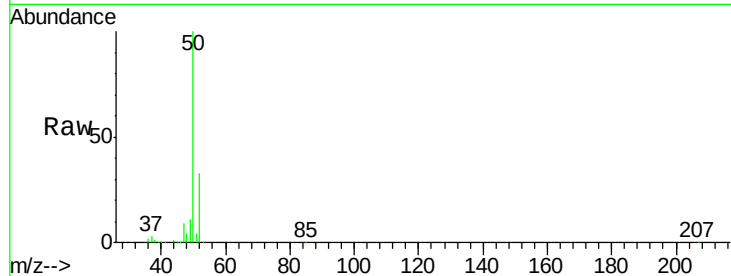
VSTDIC150

Tgt Ion: 50 Resp: 619209

Ion Ratio Lower Upper

50 100

52 32.5 27.9 41.9



#4

Vinyl Chloride

Concen: 116.323 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN063892.D

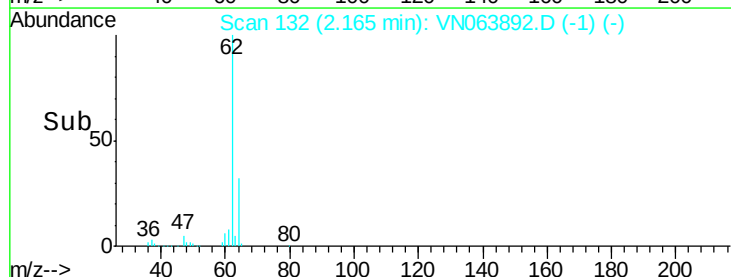
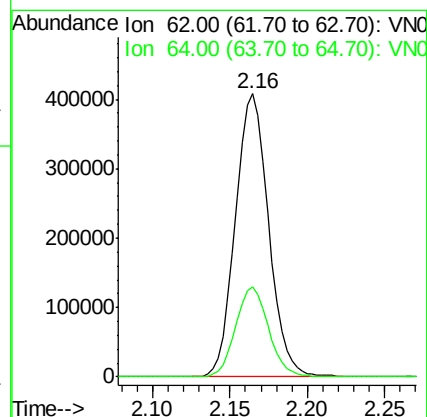
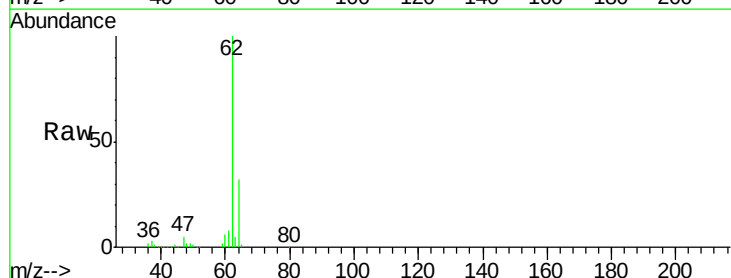
Acq: 6 Oct 2020 12:03

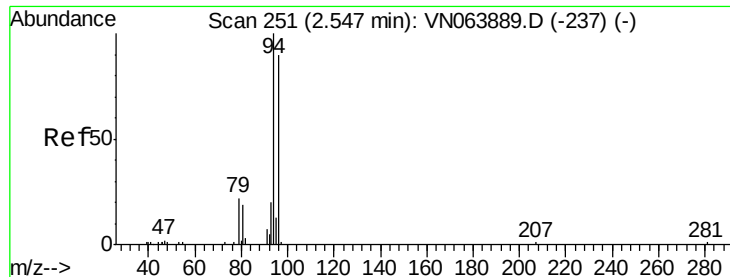
Tgt Ion: 62 Resp: 606931

Ion Ratio Lower Upper

62 100

64 31.7 26.0 39.0





#5

Bromomethane

Concen: 118.127 ug/l

RT: 2.52 min Scan# 243

Delta R.T. -0.03 min

Lab File: VN063892.D

Acq: 6 Oct 2020 12:03

Instrument :

MSVOA_N

ClientSampleId :

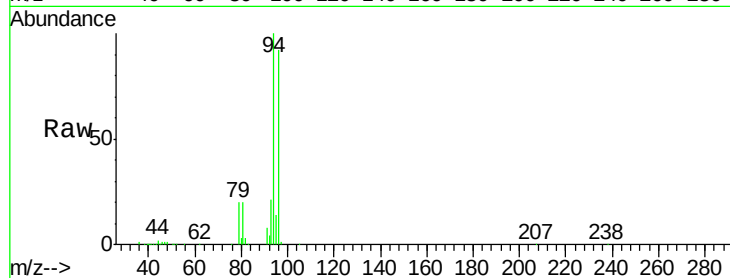
VSTDIC150

Tgt Ion: 94 Resp: 382093

Ion Ratio Lower Upper

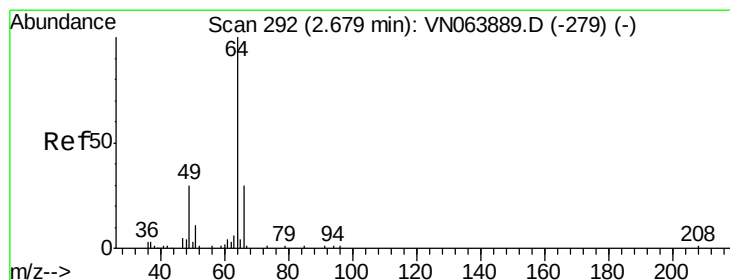
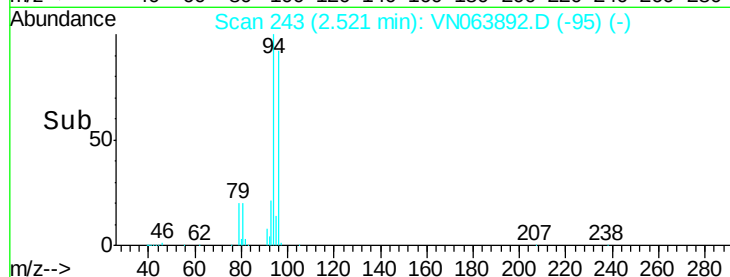
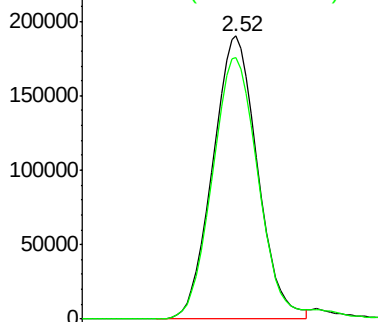
94 100

96 92.4 71.9 107.9



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 119.976 ug/l

RT: 2.67 min Scan# 288

Delta R.T. -0.01 min

Lab File: VN063892.D

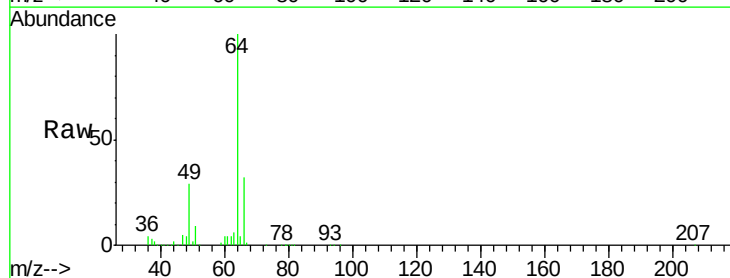
Acq: 6 Oct 2020 12:03

Tgt Ion: 64 Resp: 373742

Ion Ratio Lower Upper

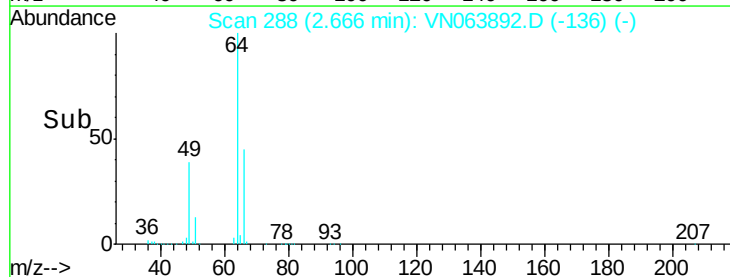
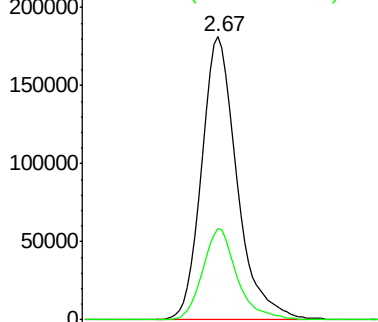
64 100

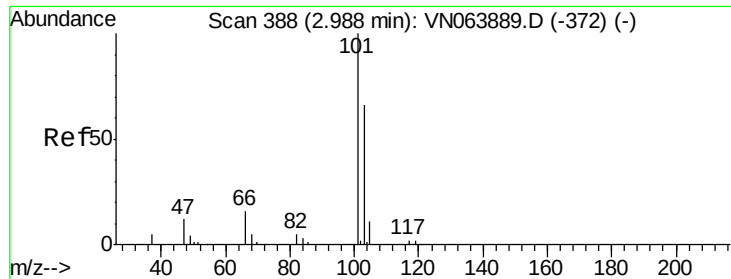
66 32.3 24.2 36.2



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



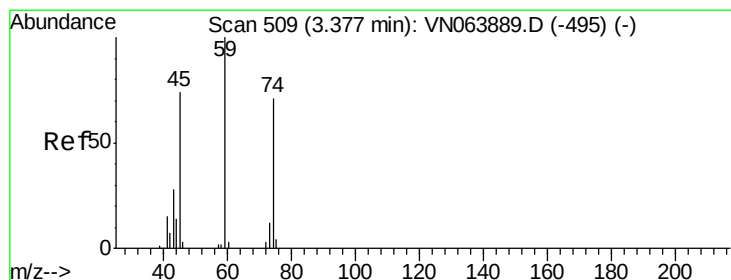
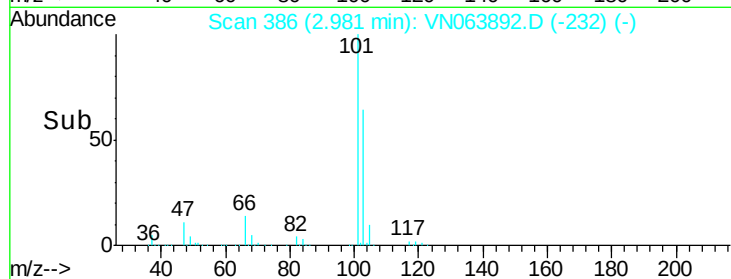
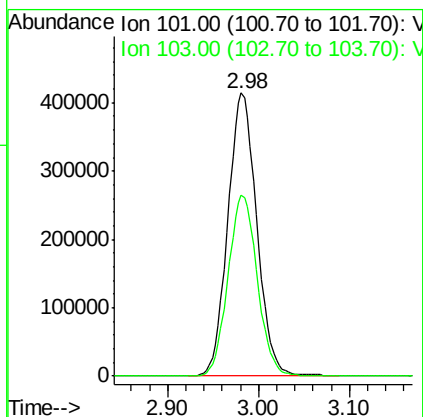
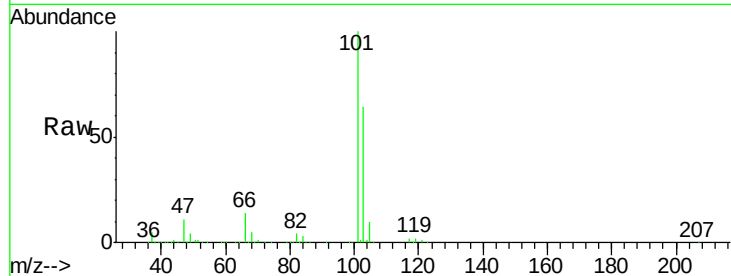


#7

Trichlorofluoromethane
 Concen: 137.636 ug/l
 RT: 2.98 min Scan# 386
 Delta R.T. -0.01 min
 Lab File: VN063892.D
 Acq: 6 Oct 2020 12:03

Instrument :
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 ClientSampleId :
 VSTDIC150

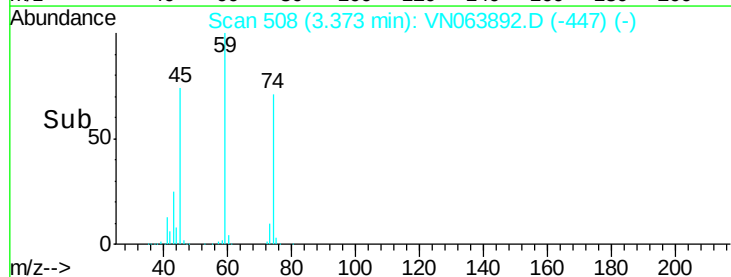
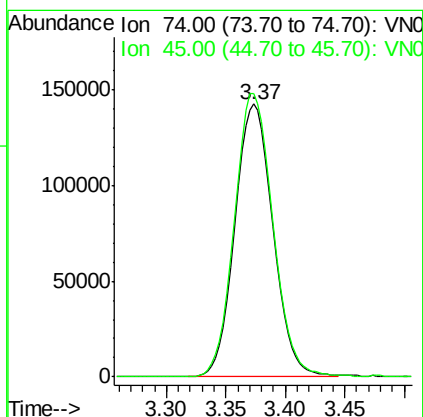
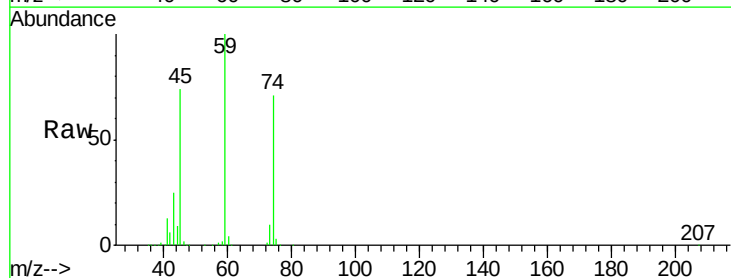
Tgt Ion:101 Resp: 916591
 Ion Ratio Lower Upper
 101 100
 103 63.7 52.6 78.8

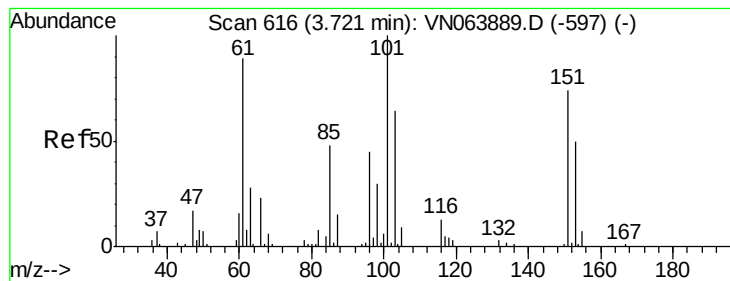


#8

Diethyl Ether
 Concen: 143.546 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN063892.D
 Acq: 6 Oct 2020 12:03

Tgt Ion: 74 Resp: 316354
 Ion Ratio Lower Upper
 74 100
 45 104.7 21.4 192.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 130.876 ug/l

RT: 3.72 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN063892.D

Acq: 6 Oct 2020 12:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

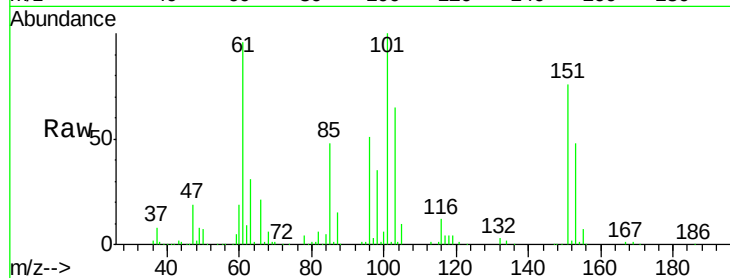
Tgt Ion:101 Resp: 471750

Ion Ratio Lower Upper

101 100

85 47.8 0.0 94.6

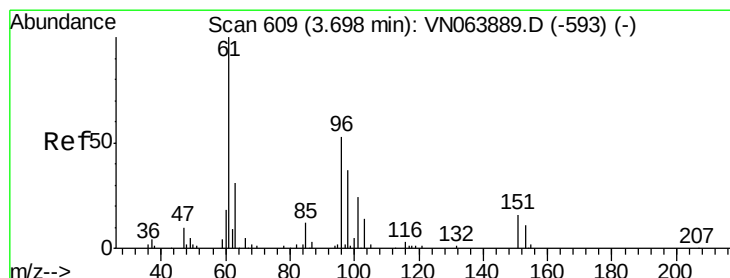
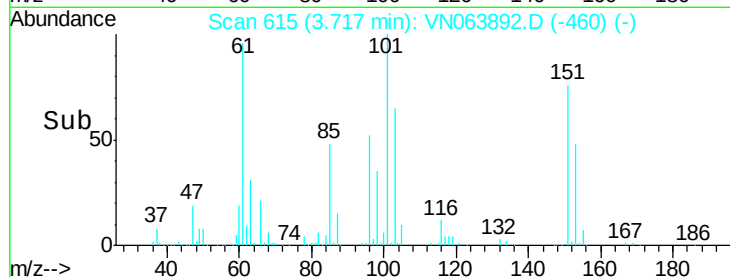
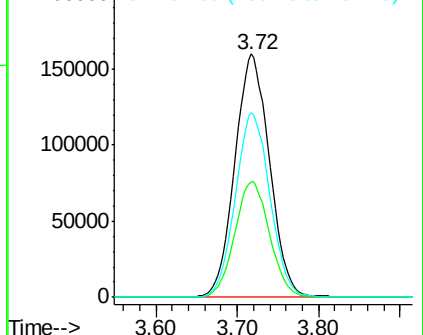
151 75.6 0.0 147.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 140.922 ug/l

RT: 3.70 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN063892.D

Acq: 6 Oct 2020 12:03

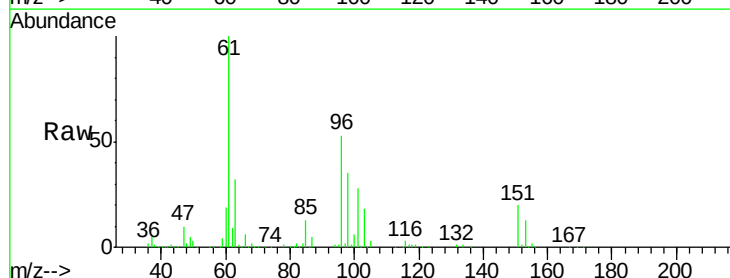
Tgt Ion: 96 Resp: 458268

Ion Ratio Lower Upper

96 100

61 187.7 150.4 225.6

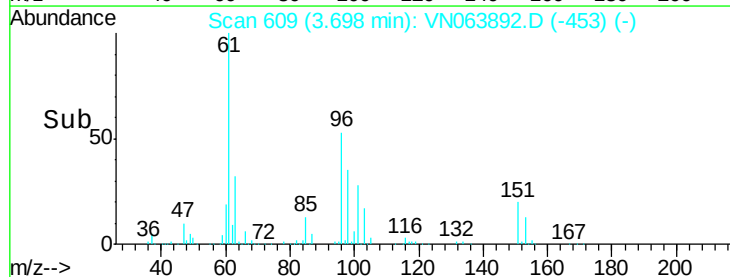
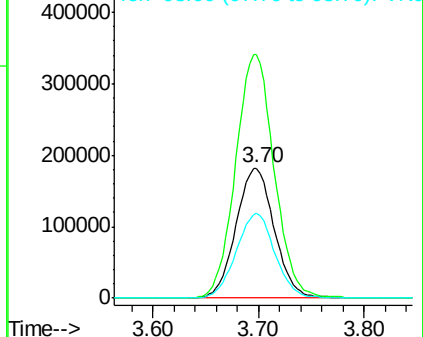
98 65.6 55.8 83.8

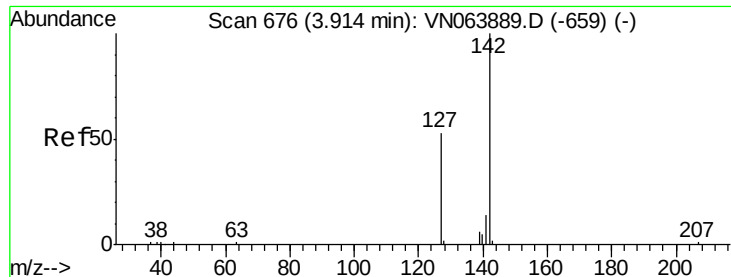


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

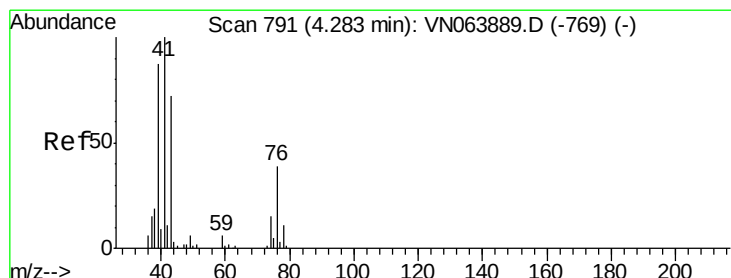
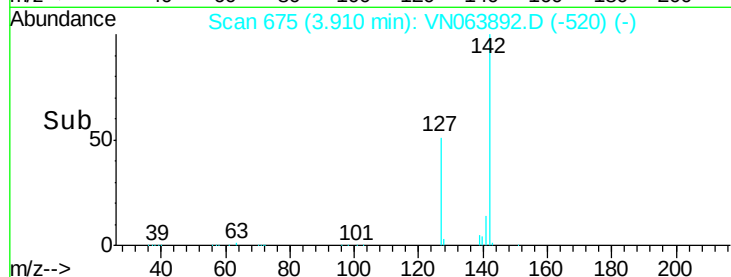
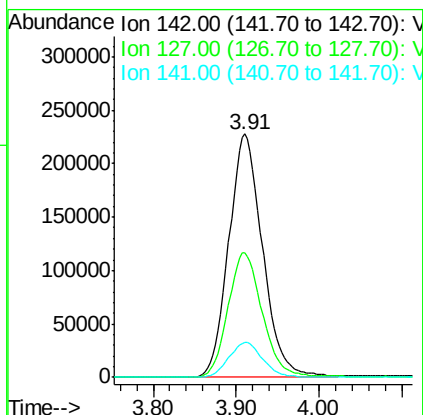
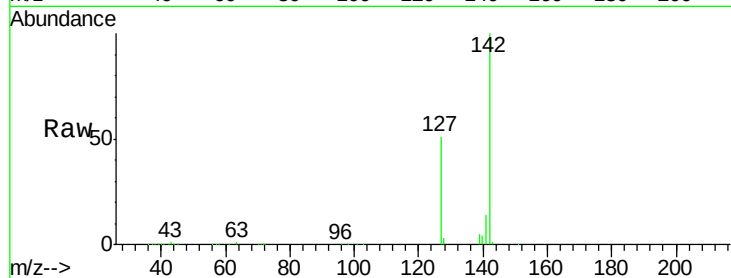




#11
Methyl Iodide
Concen: 146.826 ug/l
RT: 3.91 min Scan# 675
Delta R.T. -0.00 min
Lab File: VN063892.D
Acq: 6 Oct 2020 12:03

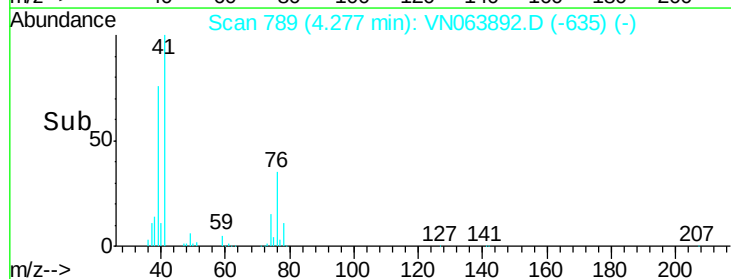
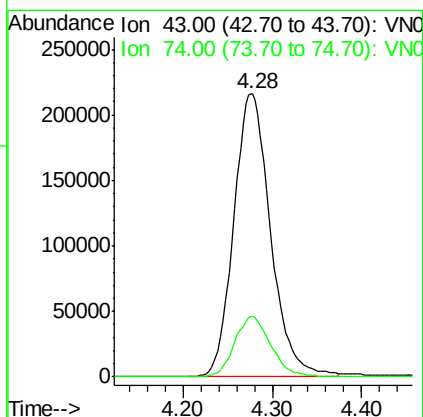
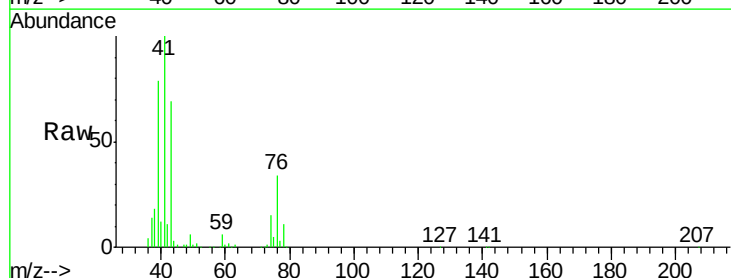
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

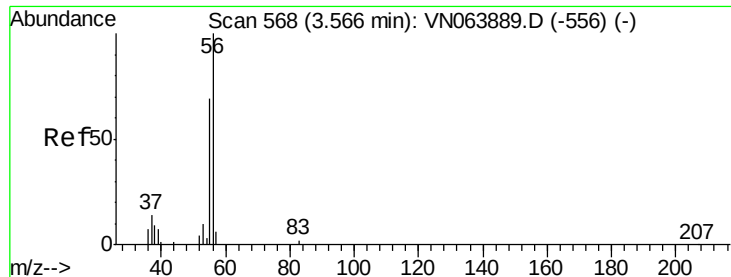
Tgt Ion: 142 Resp: 649300
Ion Ratio Lower Upper
142 100
127 51.0 26.5 79.4
141 14.2 7.1 21.4



#12
Methyl Acetate
Concen: 145.391 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.01 min
Lab File: VN063892.D
Acq: 6 Oct 2020 12:03

Tgt Ion: 43 Resp: 616950
Ion Ratio Lower Upper
43 100
74 21.4 16.7 25.1





#13

Acrolein

Concen: 843.864 ug/l

RT: 3.56 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN063892.D

Acq: 6 Oct 2020 12:03

Instrument :

MSVOA_N

ClientSampleId :

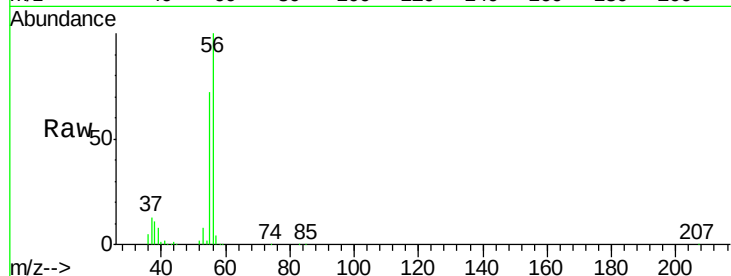
VSTDIC150

Tgt Ion: 56 Resp: 354965

Ion Ratio Lower Upper

56 100

55 71.4 58.6 87.8



Abundance Ion 56.00 (55.70 to 56.70): VN063892.D (-556) (-)

Ion 55.00 (54.70 to 55.70): VN063892.D (-556) (-)

3.56

150000

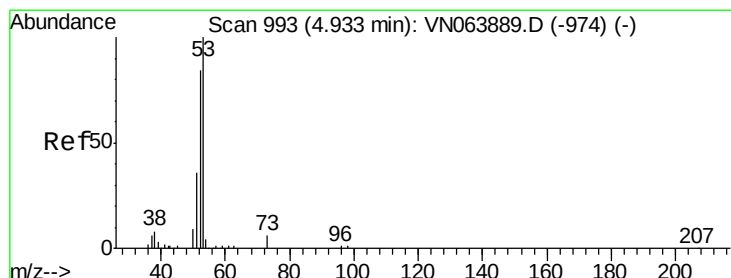
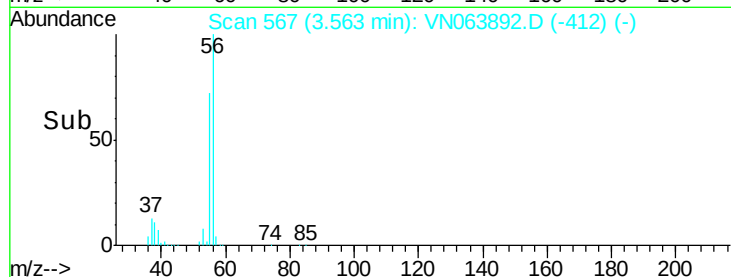
100000

50000

0

3.50 3.60 3.70

Time-->



#14

Acrylonitrile

Concen: 685.411 ug/l

RT: 4.93 min Scan# 991

Delta R.T. -0.01 min

Lab File: VN063892.D

Acq: 6 Oct 2020 12:03

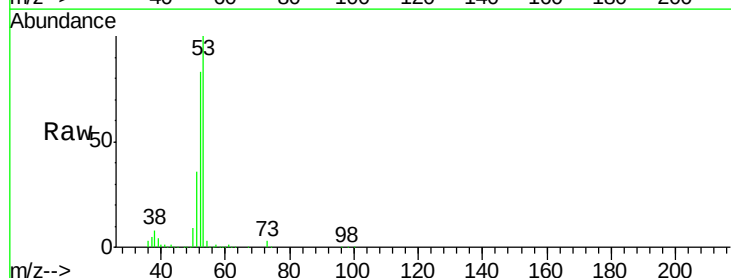
Tgt Ion: 53 Resp: 1249951

Ion Ratio Lower Upper

53 100

52 82.8 43.2 129.6

51 37.5 19.4 58.4



Abundance Ion 53.00 (52.70 to 53.70): VN063892.D (-837) (-)

Ion 52.00 (51.70 to 52.70): VN063892.D (-837) (-)

Ion 51.00 (50.70 to 51.70): VN063892.D (-837) (-)

4.93

500000

400000

300000

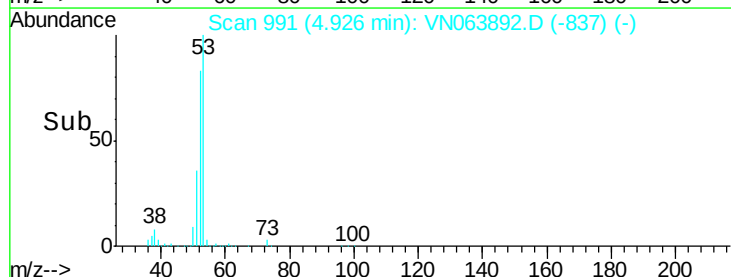
200000

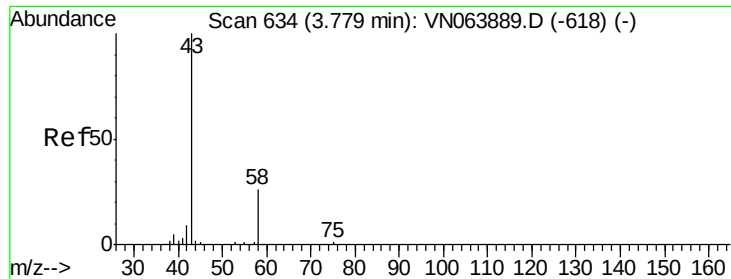
100000

0

4.80 4.90 5.00 5.10

Time-->





#15

Acetone

Concen: 641.477 ug/l

RT: 3.77 min Scan# 632

Delta R.T. -0.01 min

Lab File: VN063892.D

Acq: 6 Oct 2020 12:03

Instrument :

MSVOA_N

ClientSampleId :

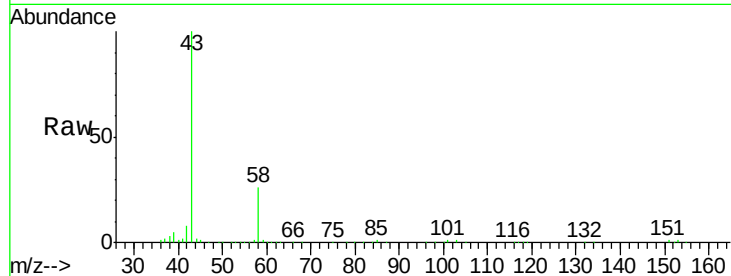
VSTDIC150

Tgt Ion: 58 Resp: 340888

Ion Ratio Lower Upper

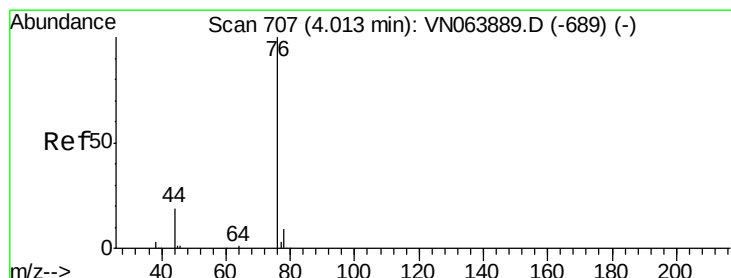
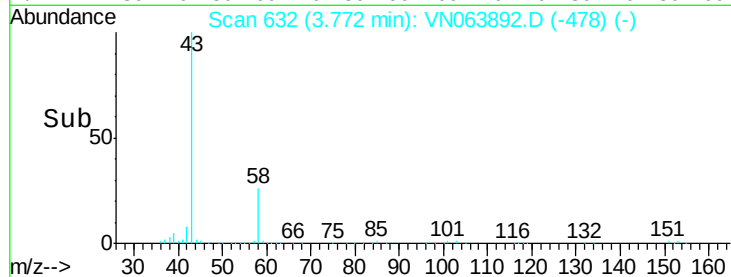
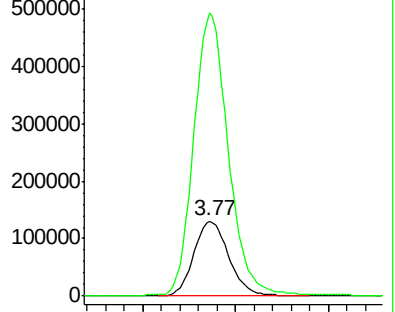
58 100

43 376.7 302.4 453.6



Abundance Ion 58.00 (57.70 to 58.70): VN063892.D (-551) (-)

Ion 43.00 (42.70 to 43.70): VN063892.D (-551) (-)



#16

Carbon Disulfide

Concen: 156.351 ug/l

RT: 4.01 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN063892.D

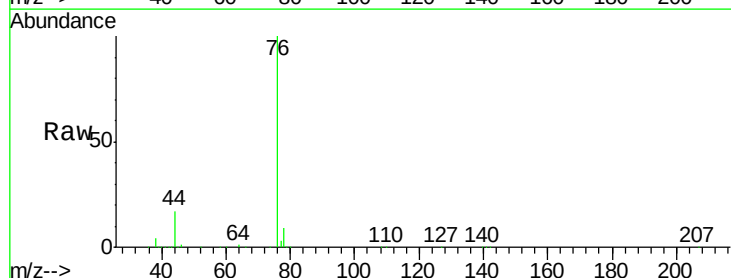
Acq: 6 Oct 2020 12:03

Tgt Ion: 76 Resp: 1394935

Ion Ratio Lower Upper

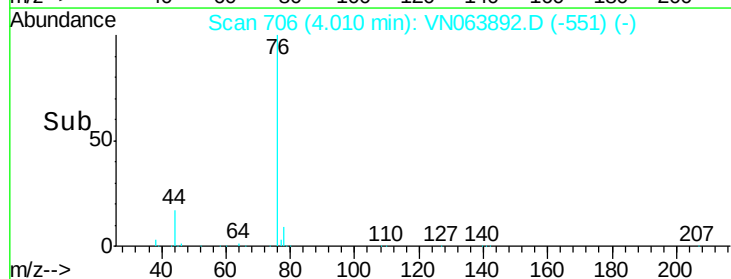
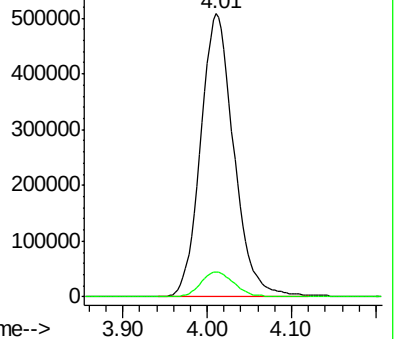
76 100

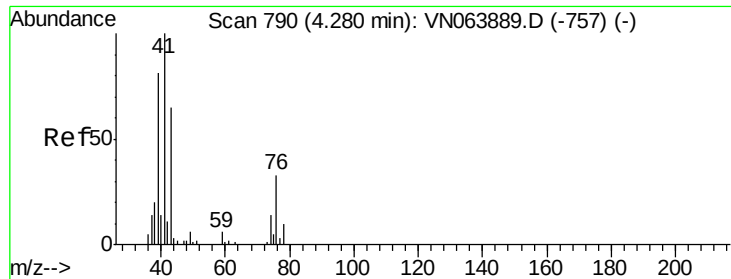
78 9.0 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN063892.D (-551) (-)

Ion 78.00 (77.70 to 78.70): VN063892.D (-551) (-)

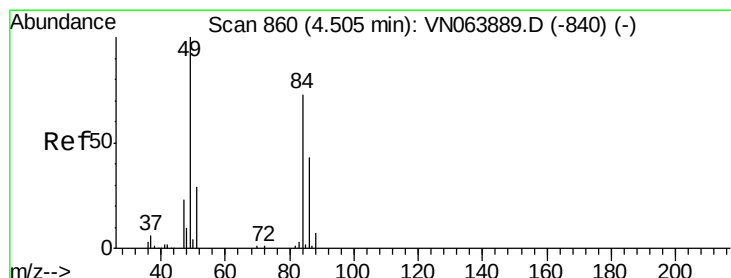
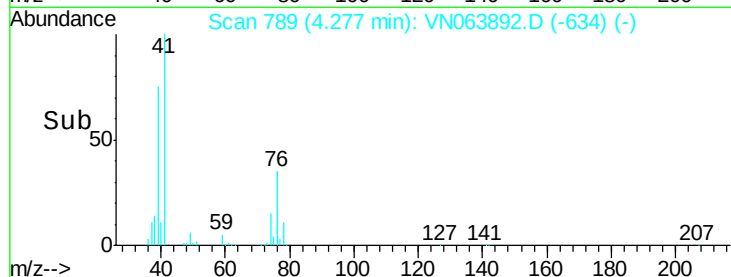
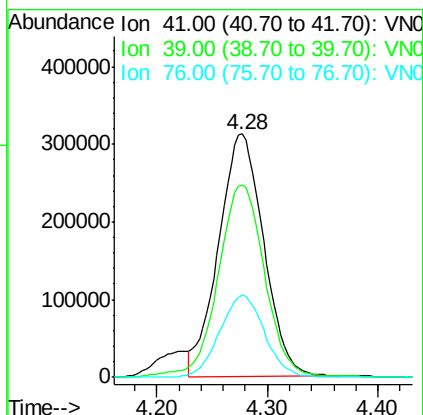
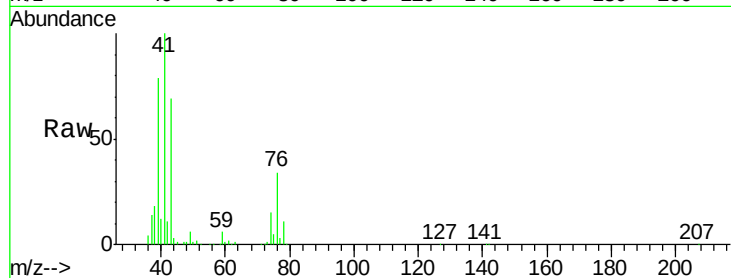




#17
 Allyl chloride
 Concen: 144.638 ug/l
 RT: 4.28 min Scan# 789
 Delta R.T. -0.00 min
 Lab File: VN063892.D
 Acq: 6 Oct 2020 12:03

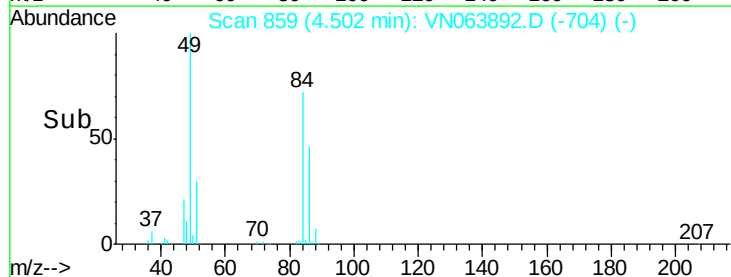
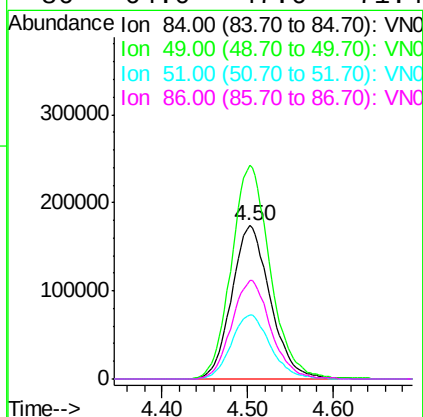
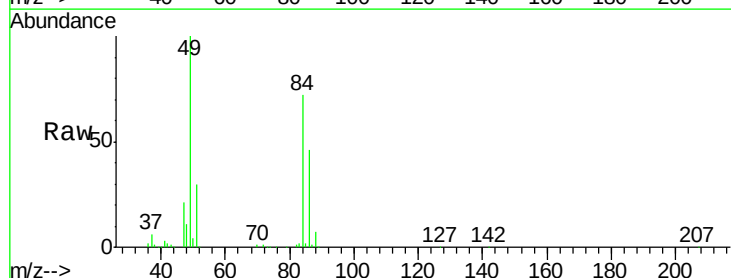
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

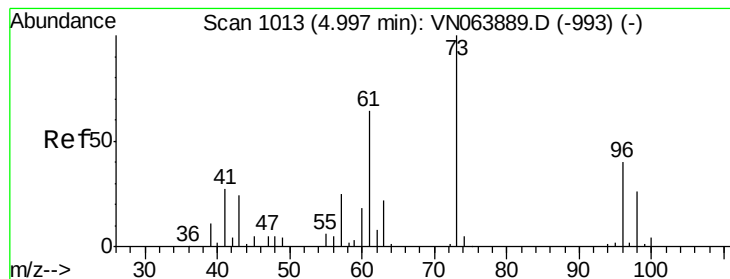
Tgt Ion: 41 Resp: 882359
 Ion Ratio Lower Upper
 41 100
 39 79.2 40.7 122.1
 76 33.5 17.0 50.9



#18
 Methylene Chloride
 Concen: 123.206 ug/l
 RT: 4.50 min Scan# 859
 Delta R.T. -0.00 min
 Lab File: VN063892.D
 Acq: 6 Oct 2020 12:03

Tgt Ion: 84 Resp: 542612
 Ion Ratio Lower Upper
 84 100
 49 139.2 109.7 164.5
 51 41.5 31.4 47.2
 86 64.0 47.6 71.4





#19

trans-1,2-Dichloroethene

Concen: 148.276 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VN063892.D

Acq: 6 Oct 2020 12:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

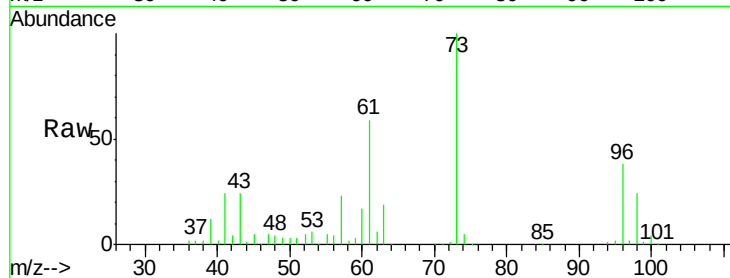
Tgt Ion: 96 Resp: 529859

Ion Ratio Lower Upper

96 100

61 153.0 127.9 191.9

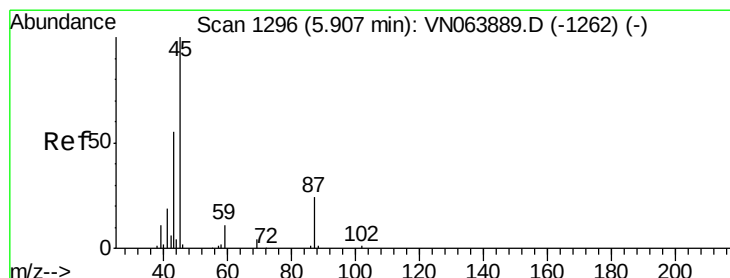
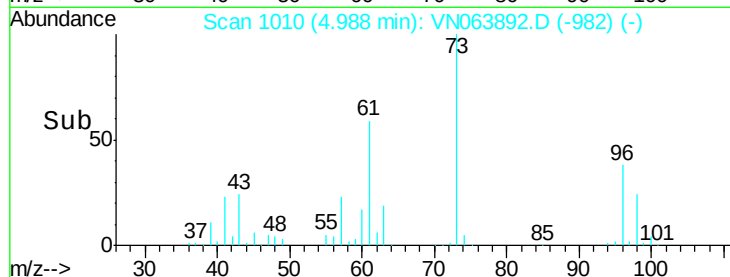
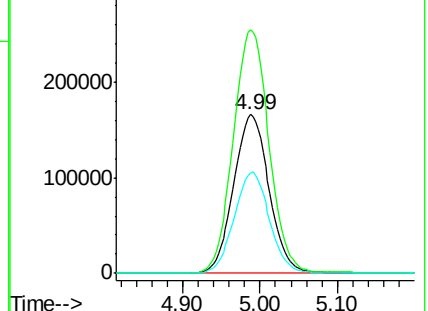
98 63.1 52.5 78.7



Abundance Ion 96.00 (95.70 to 96.70): VN063892.D (-1234) (-)

Ion 61.00 (60.70 to 61.70): VN063892.D (-1234) (-)

Ion 98.00 (97.70 to 98.70): VN063892.D (-1234) (-)



#20

Diisopropyl ether

Concen: 134.586 ug/l

RT: 5.90 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VN063892.D

Acq: 6 Oct 2020 12:03

Tgt Ion: 45 Resp: 1816242

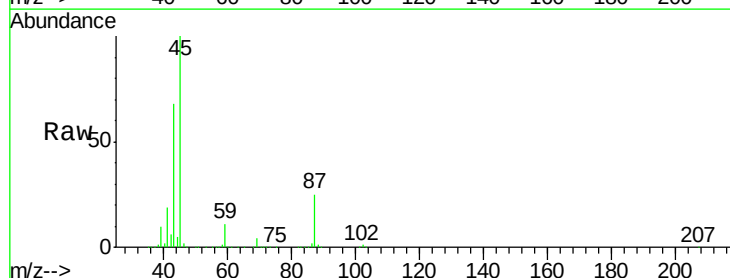
Ion Ratio Lower Upper

45 100

43 66.0 51.3 76.9

87 25.2 19.5 29.3

59 10.8 8.5 12.7

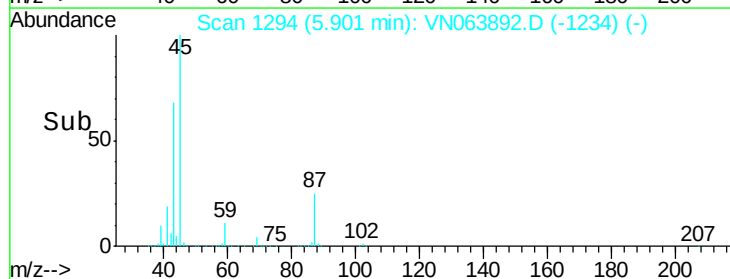
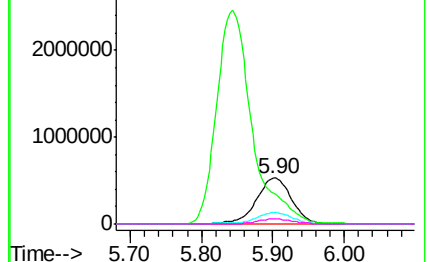


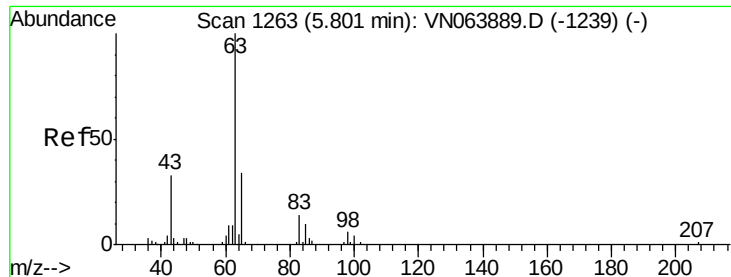
Abundance Ion 45.00 (44.70 to 45.70): VN063892.D (-1234) (-)

Ion 43.00 (42.70 to 43.70): VN063892.D (-1234) (-)

Ion 87.00 (86.70 to 87.70): VN063892.D (-1234) (-)

Ion 59.00 (58.70 to 59.70): VN063892.D (-1234) (-)



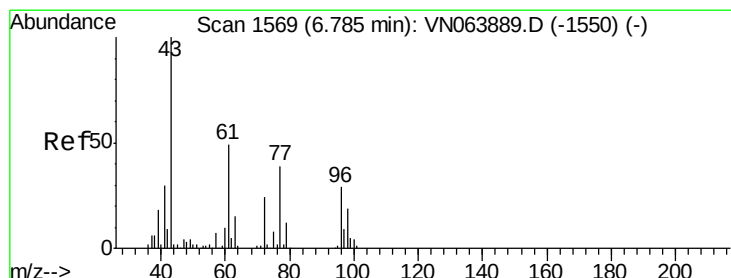
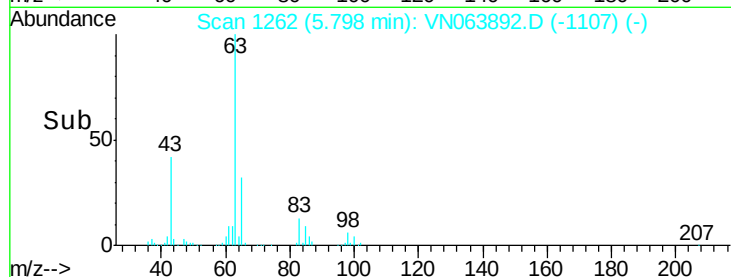
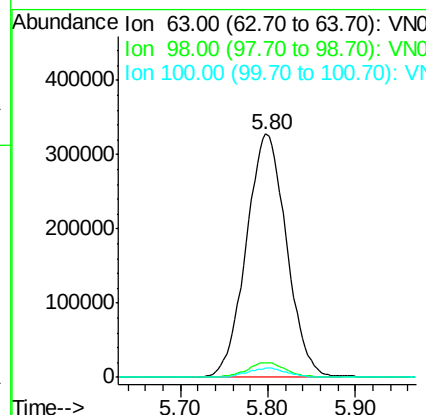
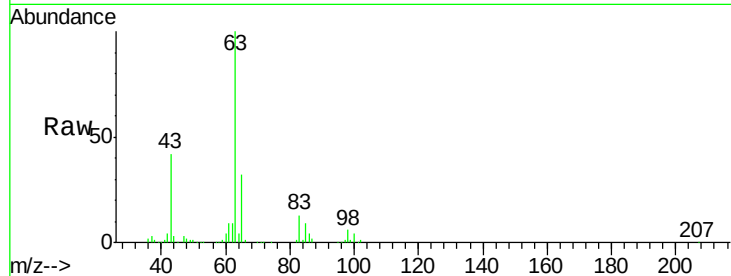


#21
 1,1-Dichloroethane
 Concen: 137.426 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: VN063892.D
 Acq: 6 Oct 2020 12:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion: 63 Resp: 1047184

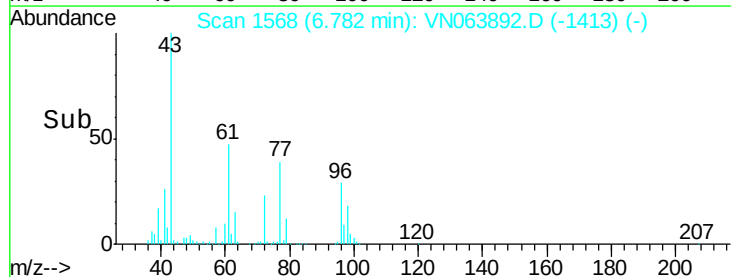
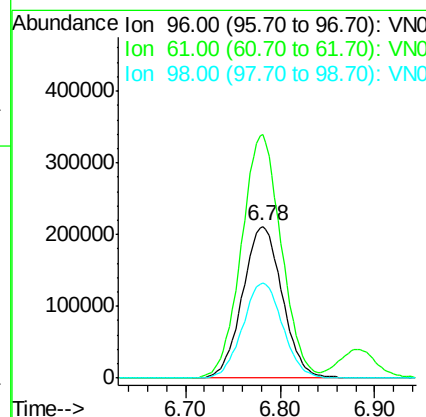
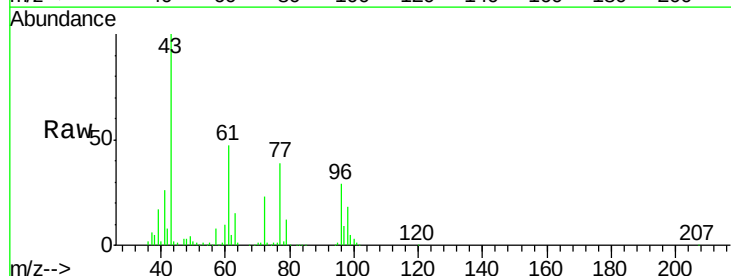
Ion	Ratio	Lower	Upper
63	100		
98	6.1	3.3	9.8
100	3.7	2.0	5.8

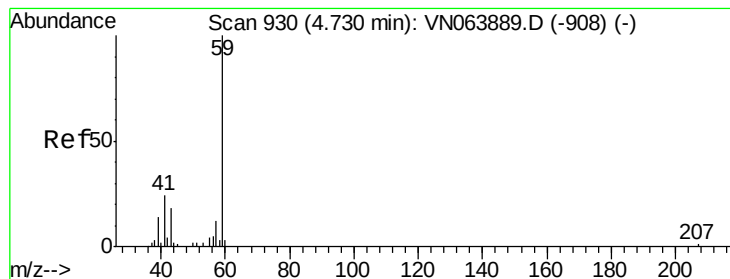


#22
 cis-1,2-Dichloroethene
 Concen: 140.944 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VN063892.D
 Acq: 6 Oct 2020 12:03

Tgt Ion: 96 Resp: 613861

Ion	Ratio	Lower	Upper
96	100		
61	161.6	139.6	209.4
98	63.2	53.4	80.0





#23

tert-Butyl Alcohol

Concen: 809.135 ug/l

RT: 4.73 min Scan# 930

Delta R.T. 0.00 min

Lab File: VN063892.D

Acq: 6 Oct 2020 12:03

Instrument :

MSVOA_N

ClientSampleId :

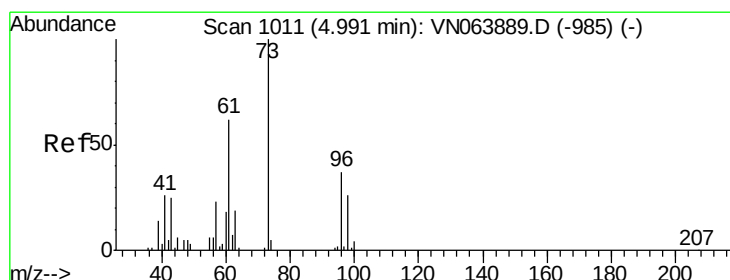
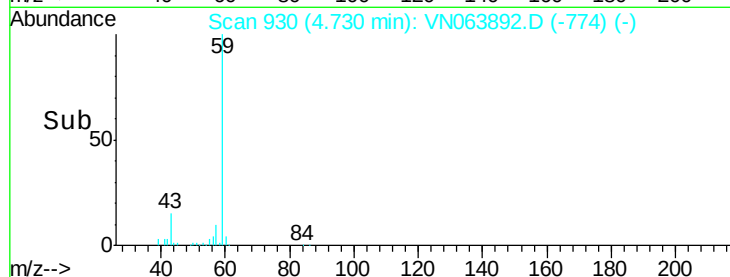
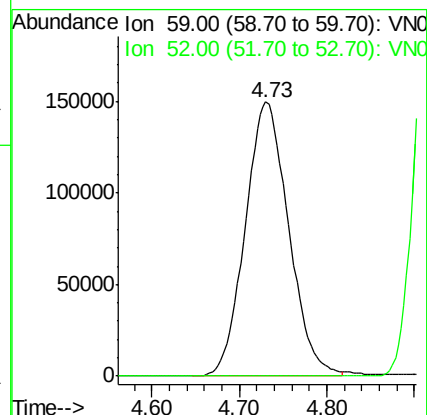
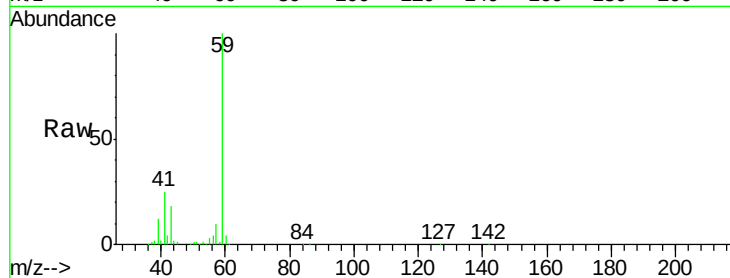
VSTDIC150

Tgt Ion: 59 Resp: 515562

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0#



#24

Methyl tert-Butyl Ether

Concen: 137.408 ug/l

RT: 4.99 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VN063892.D

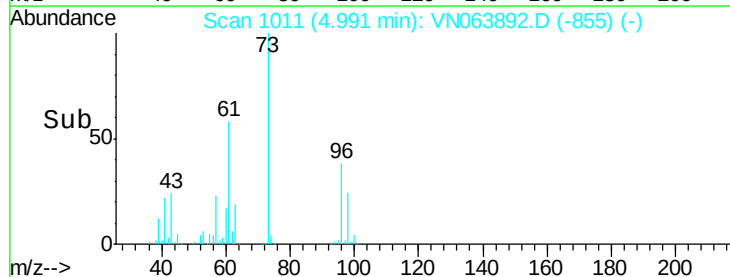
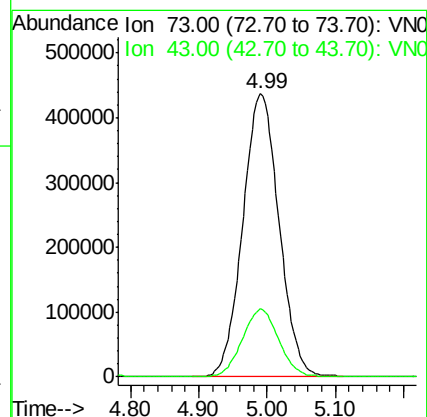
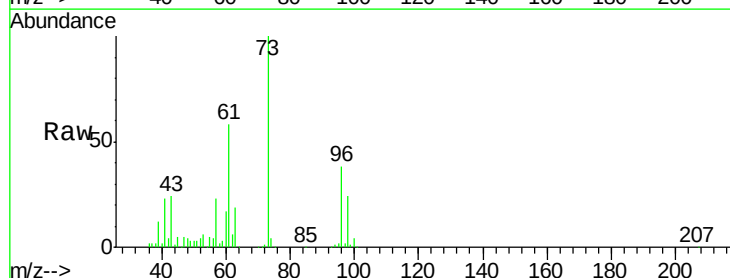
Acq: 6 Oct 2020 12:03

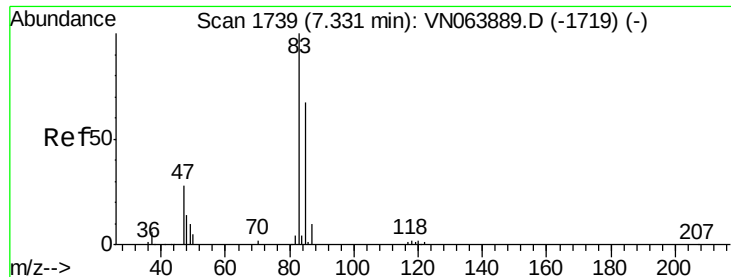
Tgt Ion: 73 Resp: 1612675

Ion Ratio Lower Upper

73 100

43 23.7 6.4 9.6#





#25

Chloroform

Concen: 142.304 ug/l

RT: 7.33 min Scan# 1738

Delta R.T. -0.00 min

Lab File: VN063892.D

Acq: 6 Oct 2020 12:03

Instrument :

MSVOA_N

ClientSampleId :

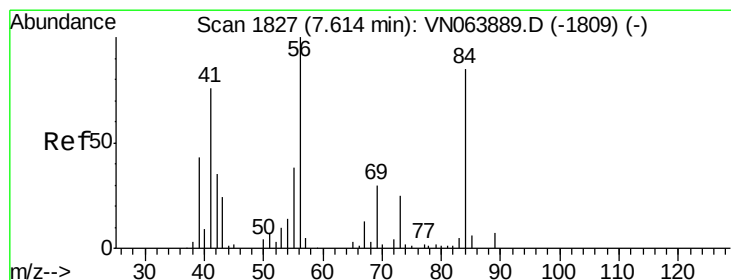
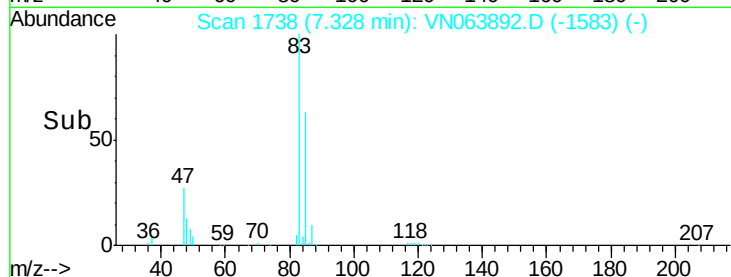
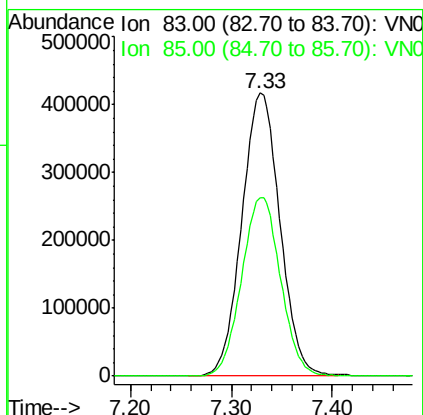
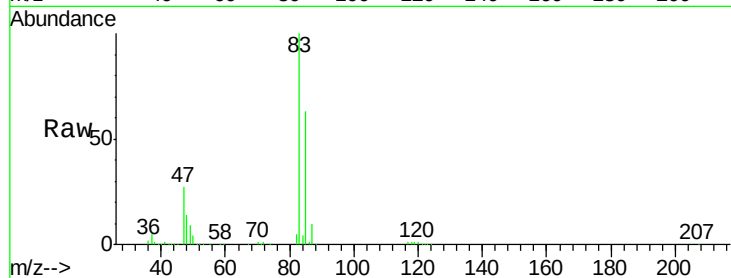
VSTDIC150

Tgt Ion: 83 Resp: 1093345

Ion Ratio Lower Upper

83 100

85 63.2 53.2 79.8



#26

Cyclohexane

Concen: 127.988 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN063892.D

Acq: 6 Oct 2020 12:03

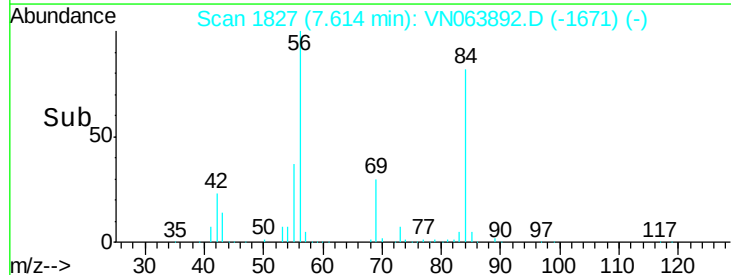
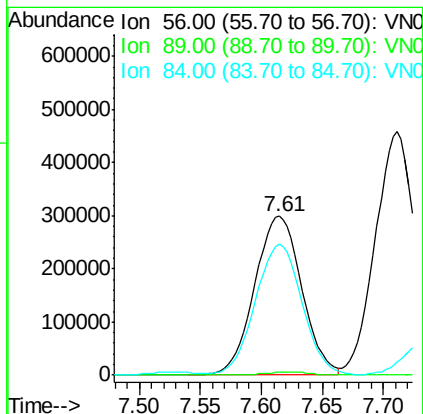
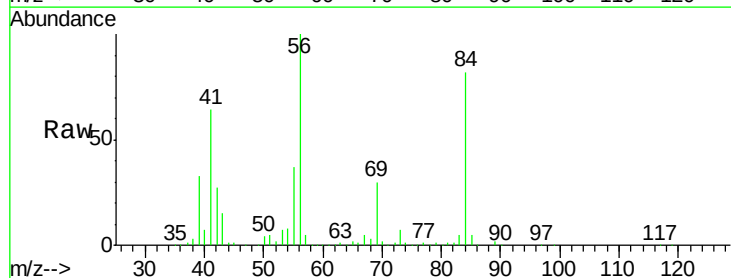
Tgt Ion: 56 Resp: 802199

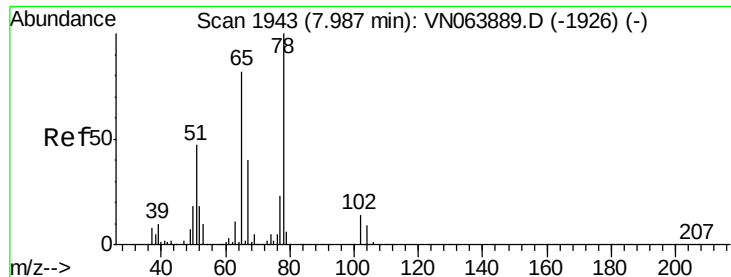
Ion Ratio Lower Upper

56 100

89 1.8 5.4 8.2#

84 81.7 68.2 102.2





#27

1,2-Dichloroethane-d4

Concen: 34.661 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN063892.D

Acq: 6 Oct 2020 12:03

Instrument :

MSVOA_N

ClientSampleId :

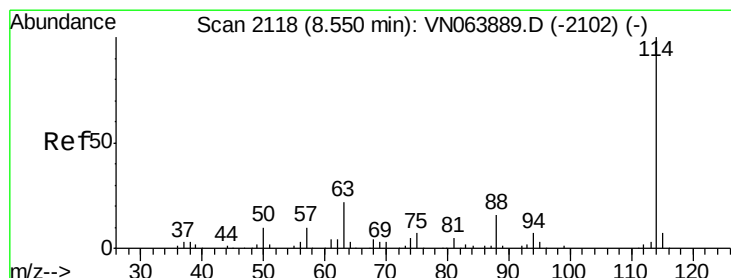
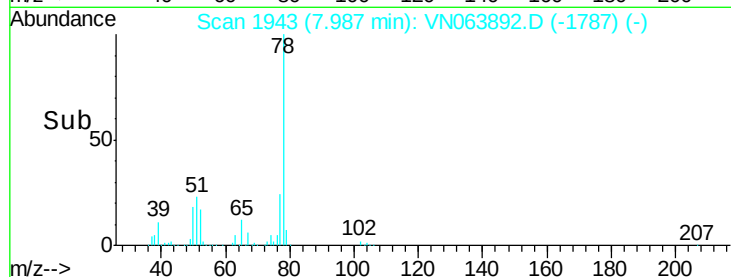
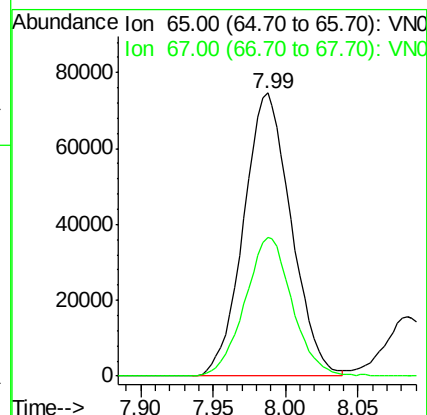
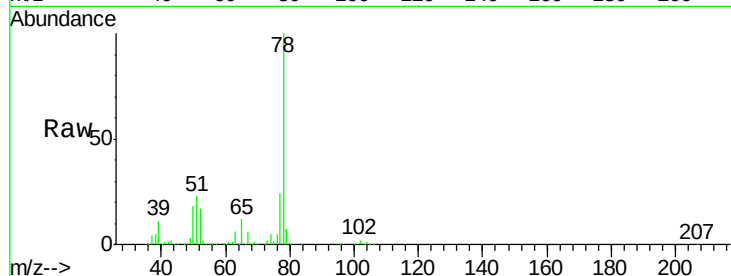
VSTDIC150

Tgt Ion: 65 Resp: 170192

Ion Ratio Lower Upper

65 100

67 48.6 40.0 60.0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN063892.D

Acq: 6 Oct 2020 12:03

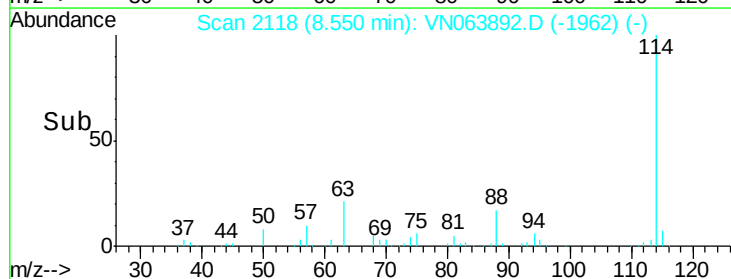
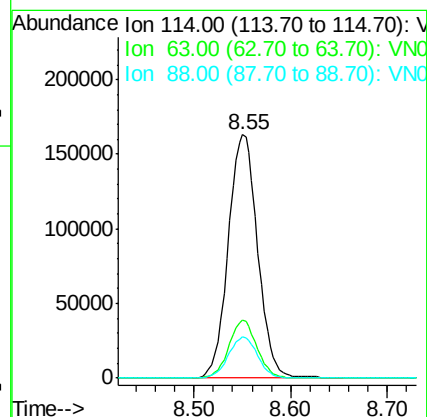
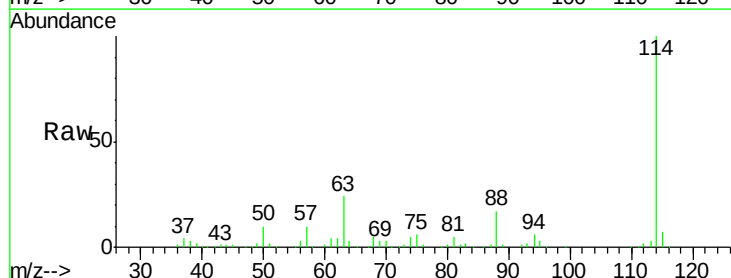
Tgt Ion: 114 Resp: 343773

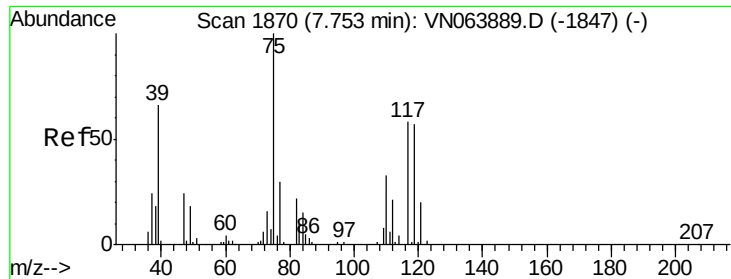
Ion Ratio Lower Upper

114 100

63 22.8 18.6 28.0

88 16.7 12.9 19.3

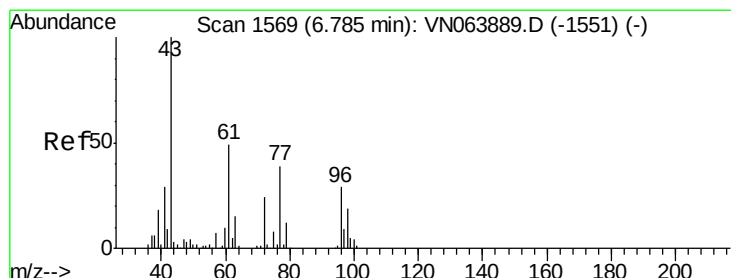
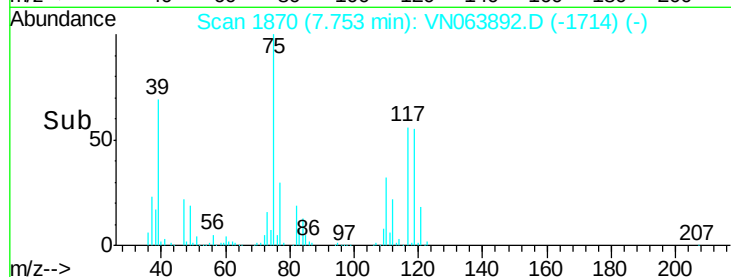
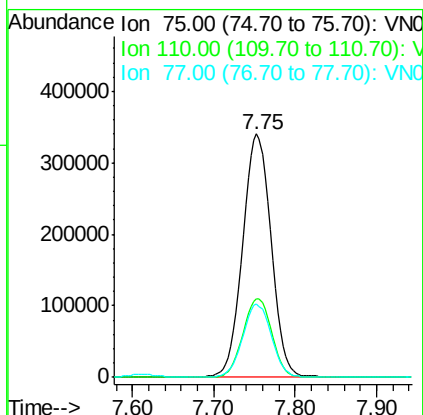
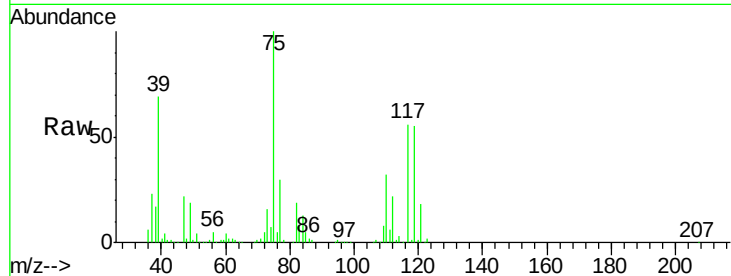




#29
 1,1-Dichloropropene
 Concen: 152.617 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN063892.D
 Acq: 6 Oct 2020 12:03

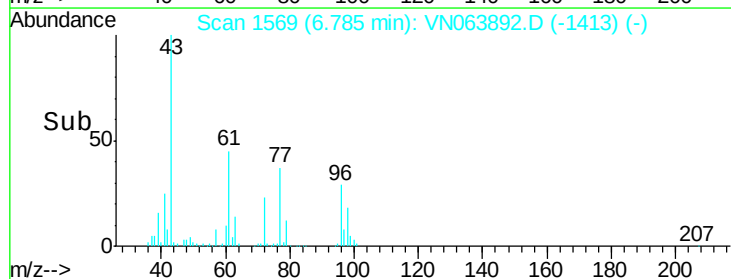
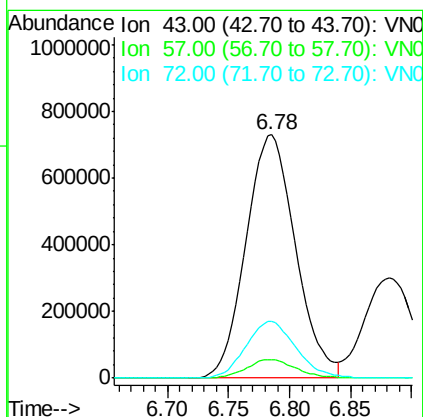
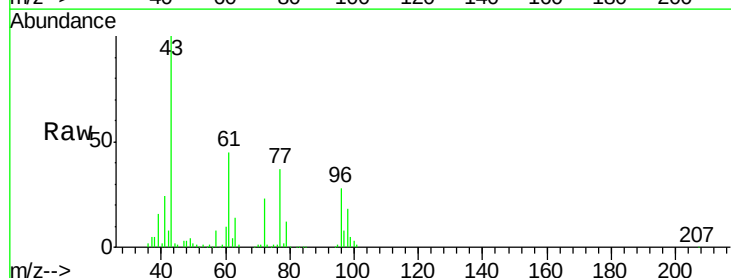
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

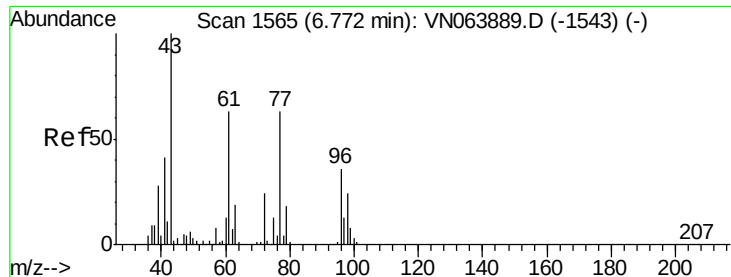
Tgt Ion: 75 Resp: 818845
 Ion Ratio Lower Upper
 75 100
 110 32.8 0.0 66.6
 77 30.5 0.0 61.4



#30
 2-Butanone
 Concen: 816.169 ug/l
 RT: 6.78 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VN063892.D
 Acq: 6 Oct 2020 12:03

Tgt Ion: 43 Resp: 2051313
 Ion Ratio Lower Upper
 43 100
 57 7.6 6.2 9.2
 72 23.7 19.4 29.2

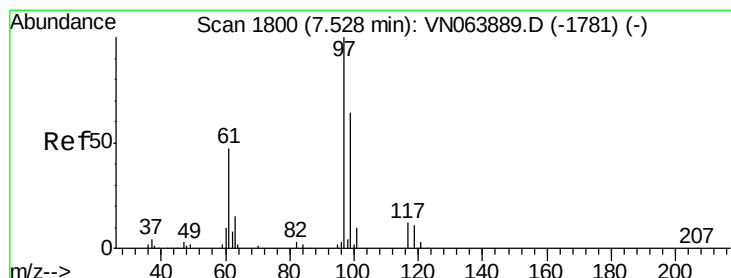
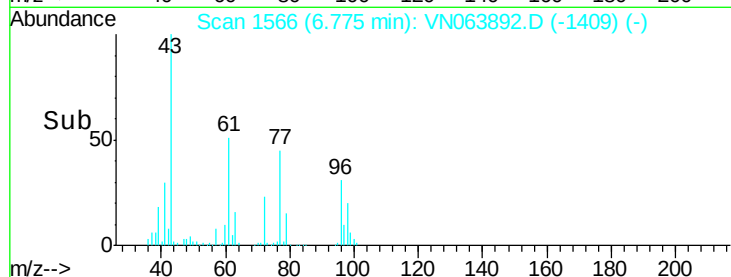
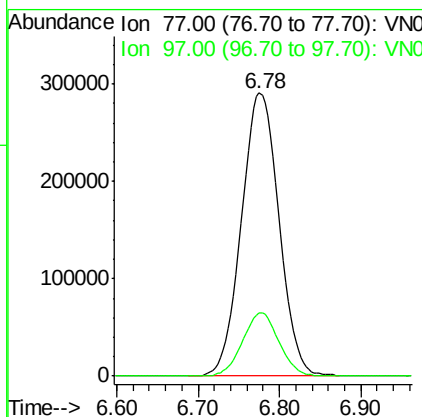
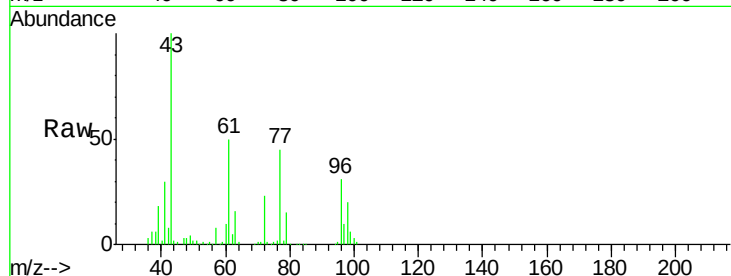




#31
 2,2-Dichloropropane
 Concen: 142.070 ug/l
 RT: 6.78 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN063892.D
 Acq: 6 Oct 2020 12:03

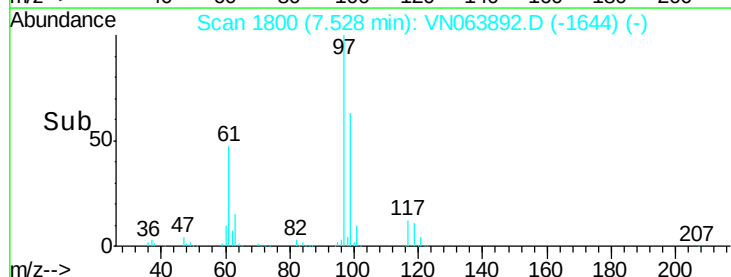
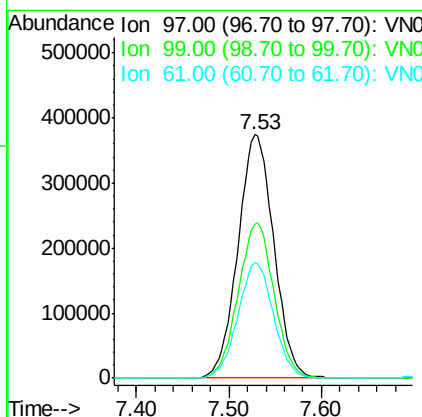
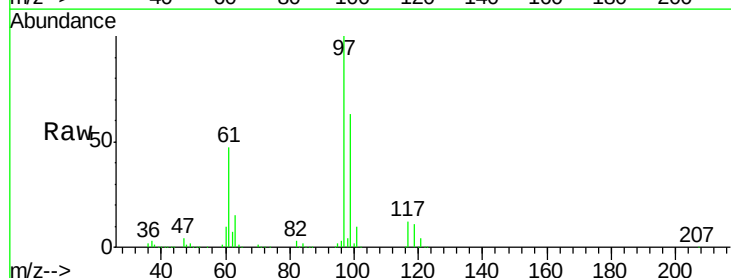
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

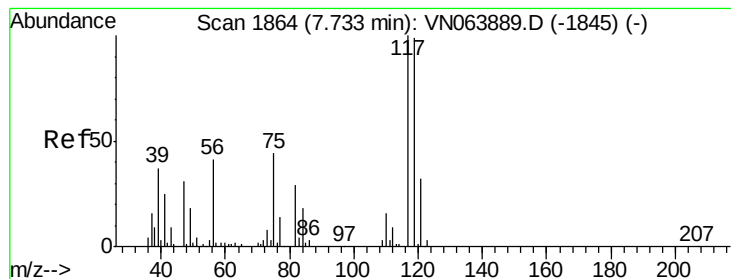
Tgt Ion: 77 Resp: 925548
 Ion Ratio Lower Upper
 77 100
 97 21.6 10.2 15.2#



#32
 1,1,1-Trichloroethane
 Concen: 153.433 ug/l
 RT: 7.53 min Scan# 1800
 Delta R.T. 0.00 min
 Lab File: VN063892.D
 Acq: 6 Oct 2020 12:03

Tgt Ion: 97 Resp: 1005197
 Ion Ratio Lower Upper
 97 100
 99 63.6 49.7 74.5
 61 47.0 38.6 57.8





#33

Carbon Tetrachloride

Concen: 156.330 ug/l

RT: 7.73 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VN063892.D

Acq: 6 Oct 2020 12:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

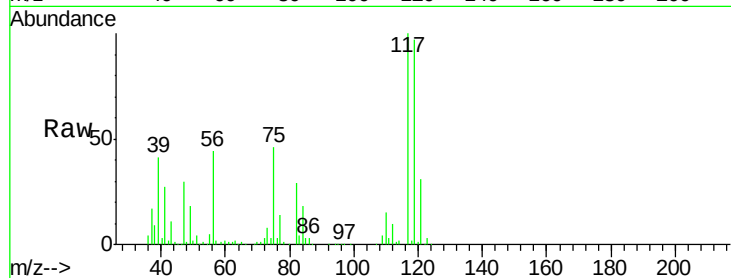
Tgt Ion:117 Resp: 877811

Ion Ratio Lower Upper

117 100

119 96.6 79.3 118.9

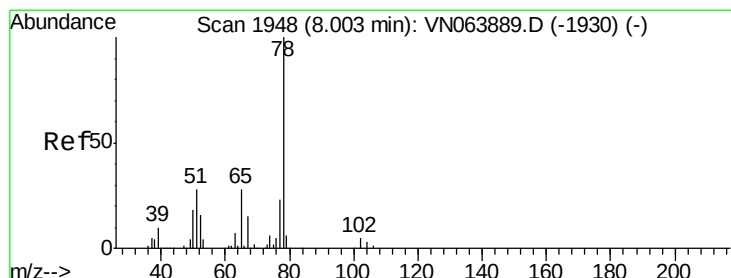
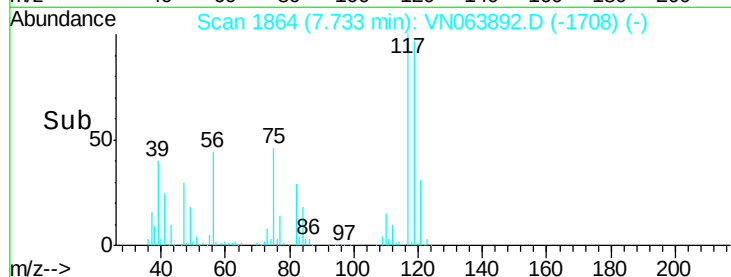
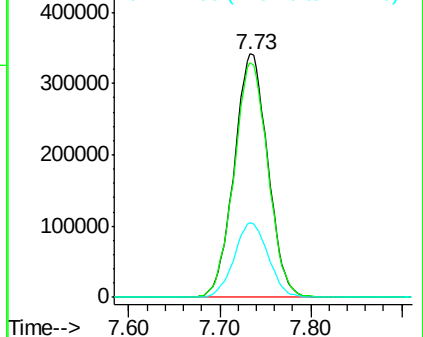
121 30.9 25.7 38.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 137.135 ug/l

RT: 8.00 min Scan# 1948

Delta R.T. 0.00 min

Lab File: VN063892.D

Acq: 6 Oct 2020 12:03

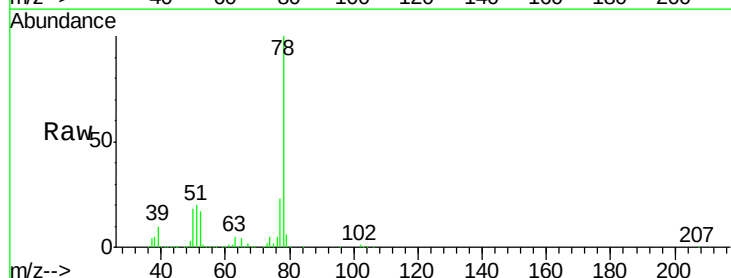
Tgt Ion: 78 Resp: 2284159

Ion Ratio Lower Upper

78 100

77 23.4 18.5 27.7

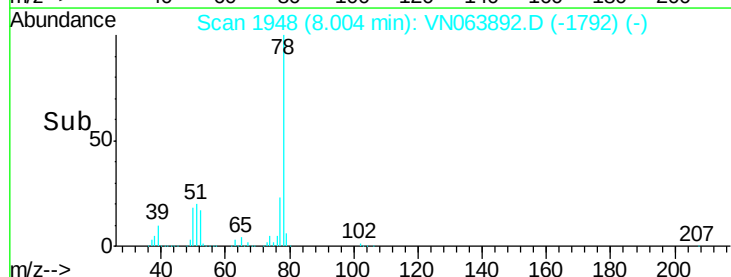
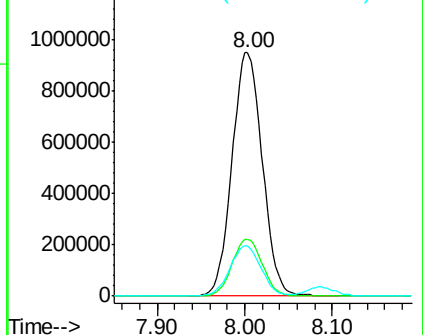
51 20.4 22.7 34.1#

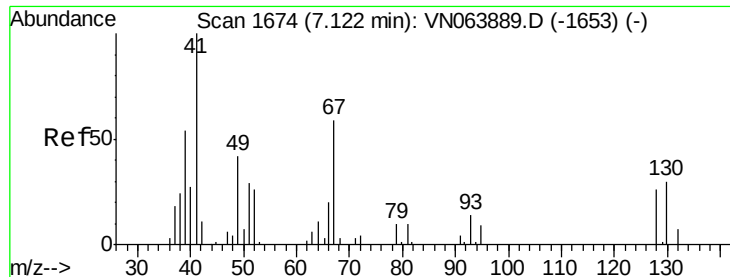


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

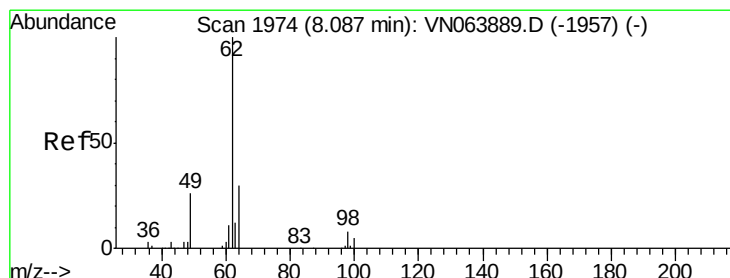
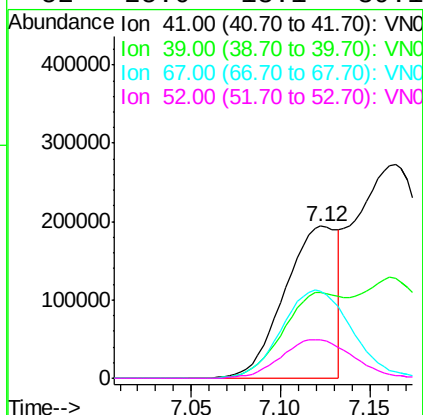
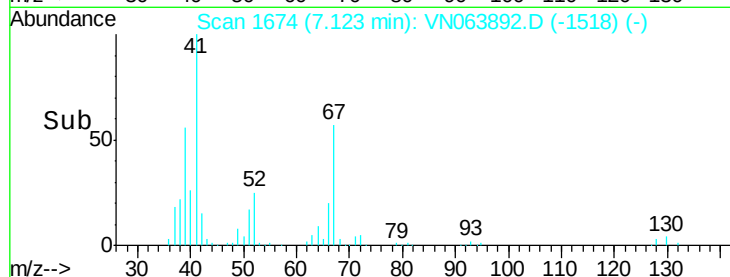
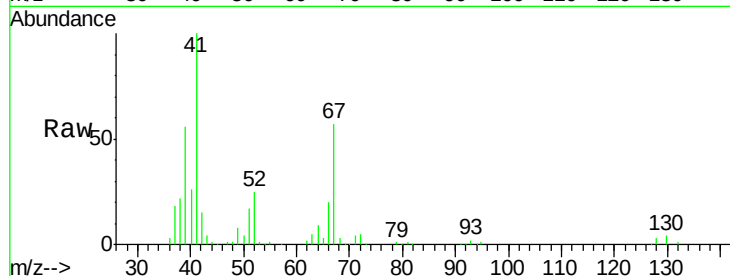




#35
Methacrylonitrile
Concen: 170.933 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN063892.D
Acq: 6 Oct 2020 12:03

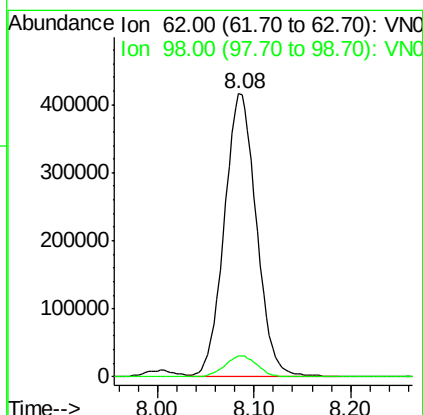
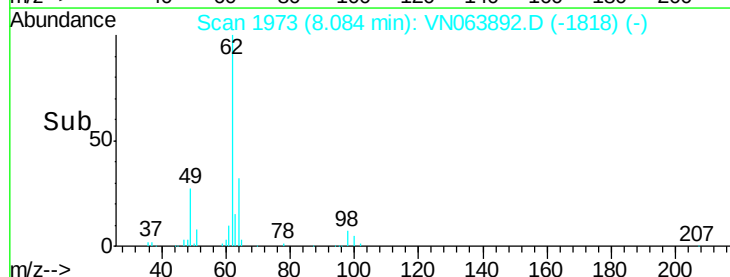
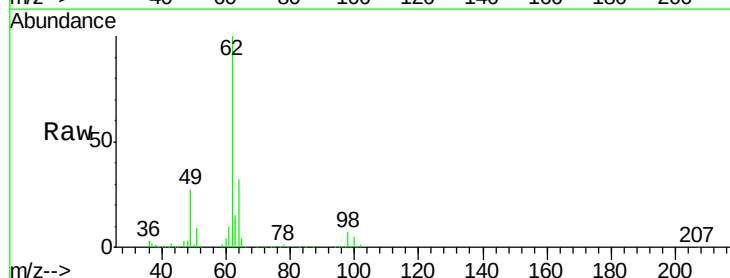
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

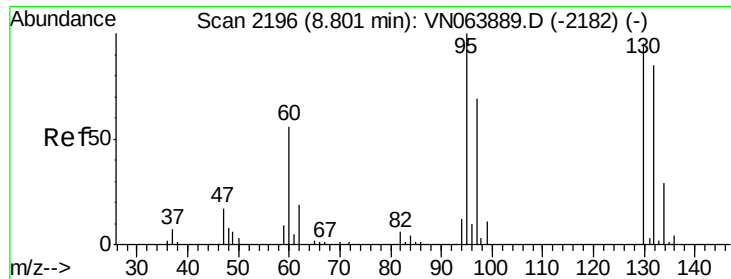
Tgt Ion:	41	Resp:	397881
Ion	Ratio	Lower	Upper
41	100		
39	56.2	26.8	80.3
67	57.3	29.8	89.3
52	25.0	13.1	39.1



#36
1,2-Dichloroethane
Concen: 159.443 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN063892.D
Acq: 6 Oct 2020 12:03

Tgt Ion:	62	Resp:	961345
Ion	Ratio	Lower	Upper
62	100		
98	7.5	5.9	8.9





#37

Trichloroethene

Concen: 142.127 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN063892.D

Acq: 6 Oct 2020 12:03

Instrument :

MSVOA_N

ClientSampleId :

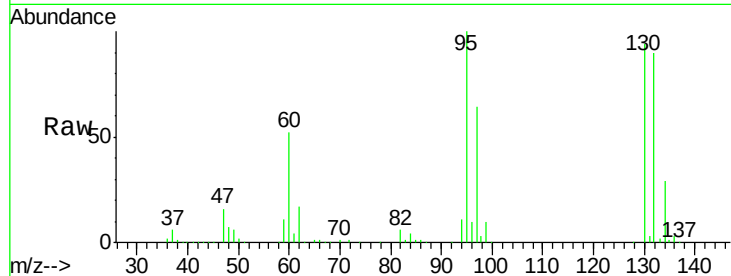
VSTDIC150

Tgt Ion:130 Resp: 585358

Ion Ratio Lower Upper

130 100

95 106.3 84.5 126.7



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.80

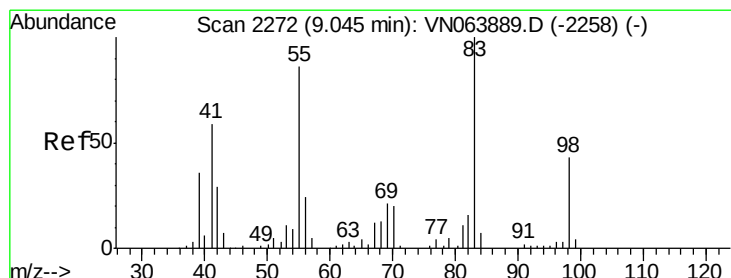
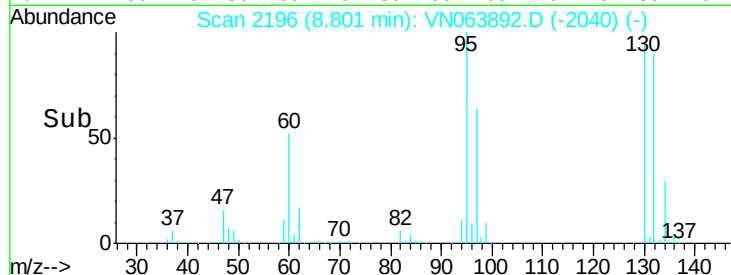
300000

200000

100000

0

Time--> 8.70 8.75 8.80 8.85



#38

Methylcyclohexane

Concen: 116.063 ug/l

RT: 9.05 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN063892.D

Acq: 6 Oct 2020 12:03

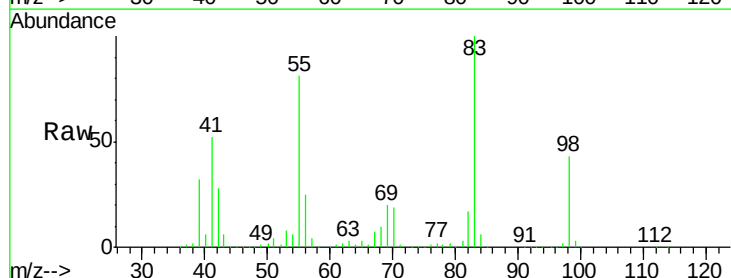
Tgt Ion: 83 Resp: 720033

Ion Ratio Lower Upper

83 100

55 81.8 42.4 127.1

98 44.7 21.6 64.6



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.05

400000

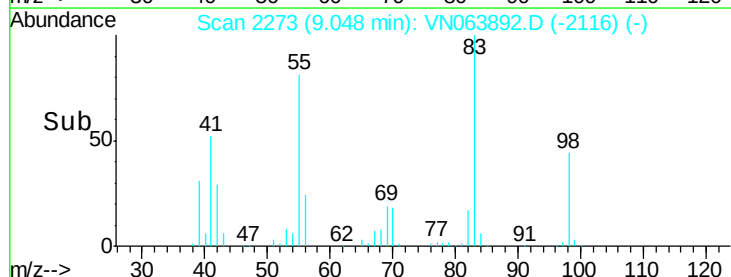
300000

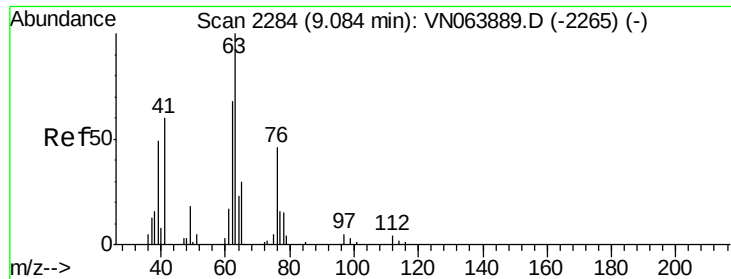
200000

100000

0

Time--> 8.95 9.00 9.05 9.10 9.15

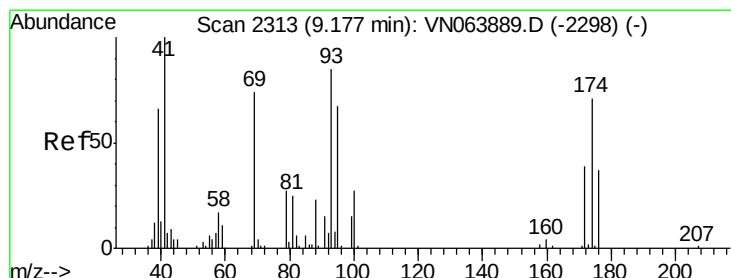
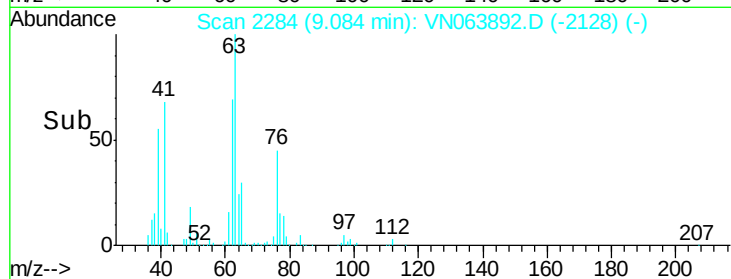
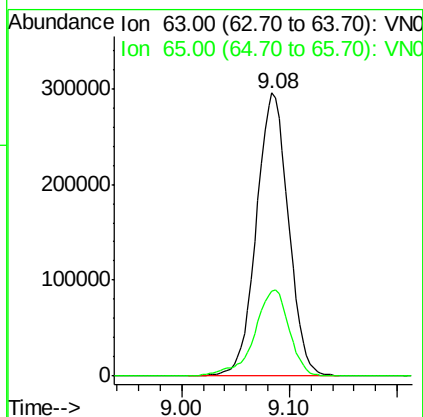
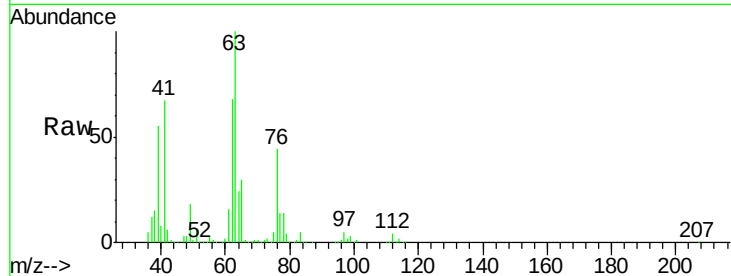




#39
 1,2-Dichloropropane
 Concen: 127.208 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN063892.D
 Acq: 6 Oct 2020 12:03

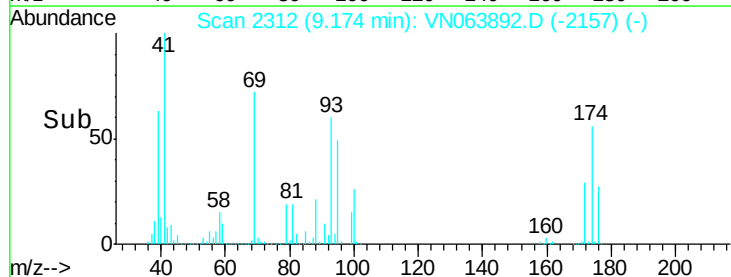
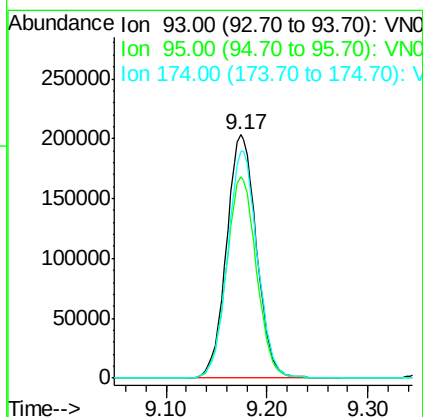
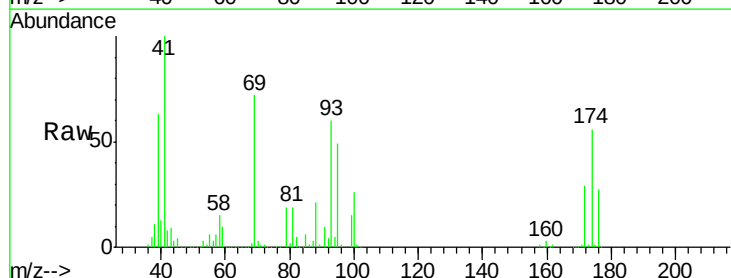
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

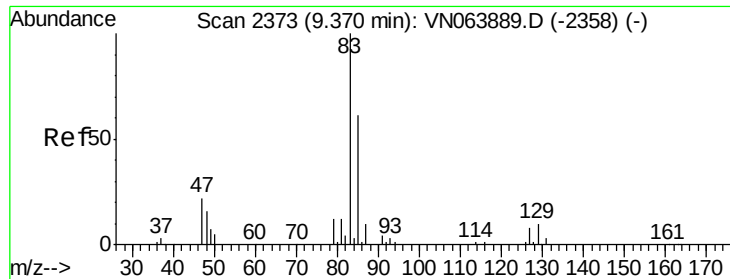
Tgt Ion: 63 Resp: 609538
 Ion Ratio Lower Upper
 63 100
 65 29.9 24.7 37.1



#40
 Dibromomethane
 Concen: 145.208 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN063892.D
 Acq: 6 Oct 2020 12:03

Tgt Ion: 93 Resp: 421281
 Ion Ratio Lower Upper
 93 100
 95 82.2 0.0 162.0
 174 92.6 0.0 176.6





#41

Bromodichloromethane

Concen: 143.974 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN063892.D

Acq: 6 Oct 2020 12:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

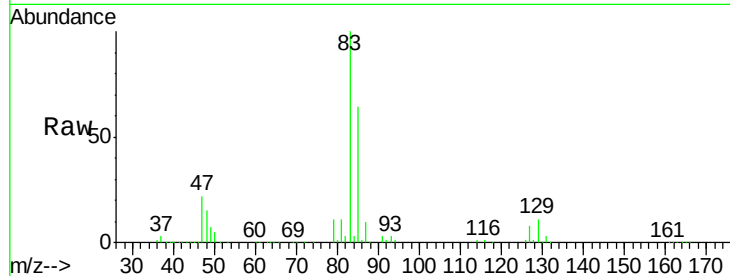
Tgt Ion: 83 Resp: 908134

Ion Ratio Lower Upper

83 100

85 64.3 49.0 73.6

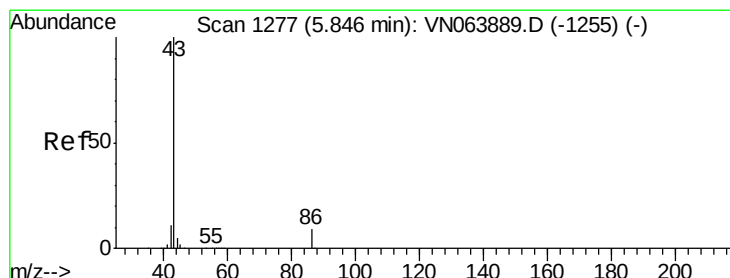
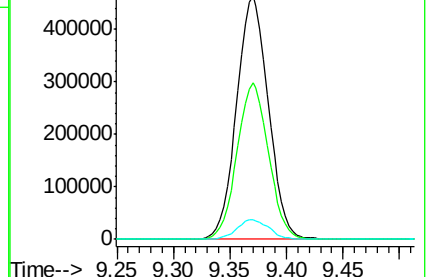
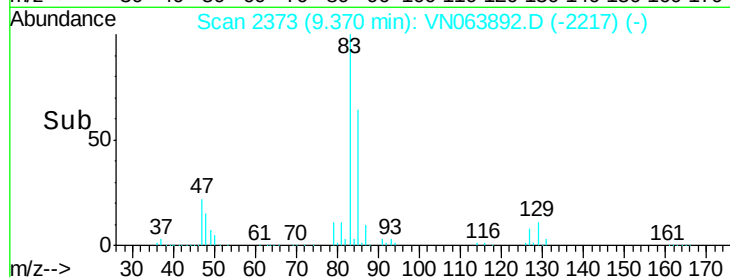
127 8.0 6.7 10.1



Abundance Ion 83.00 (82.70 to 83.70): VN063892.D (-2217) (-)

Ion 85.00 (84.70 to 85.70): VN063892.D (-2217) (-)

Ion 127.00 (126.70 to 127.70): VN063892.D (-2217) (-)



#42

Vinyl Acetate

Concen: 865.696 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VN063892.D

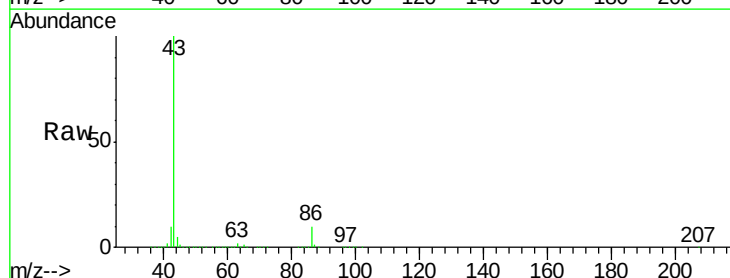
Acq: 6 Oct 2020 12:03

Tgt Ion: 43 Resp: 8518666

Ion Ratio Lower Upper

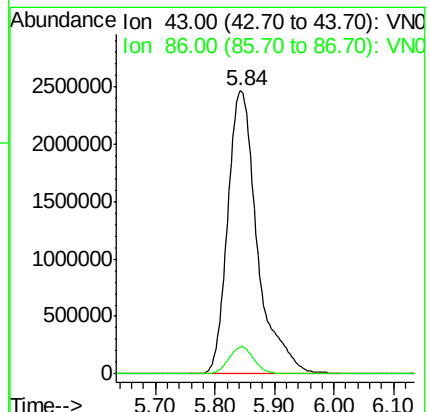
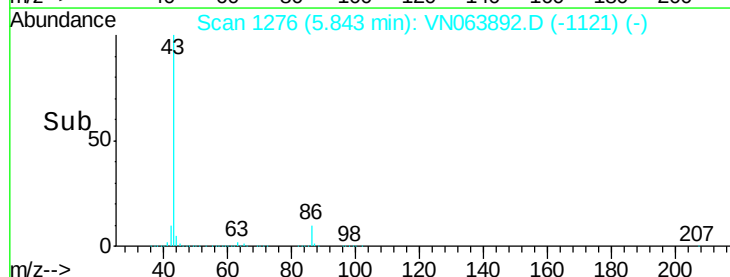
43 100

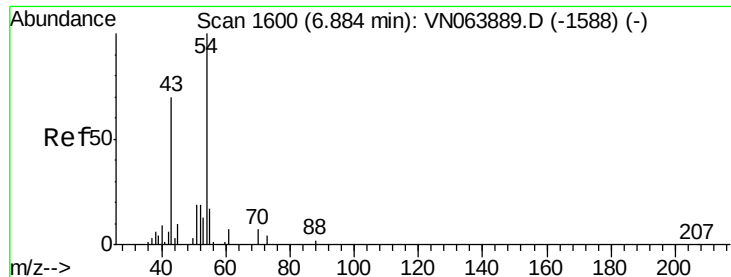
86 8.2 6.4 9.6



Abundance Ion 43.00 (42.70 to 43.70): VN063892.D (-1121) (-)

Ion 86.00 (85.70 to 86.70): VN063892.D (-1121) (-)





#43

Ethyl Acetate

Concen: 0.286 ug/l

RT: 7.33 min Scan# 1740

Delta R.T. 0.45 min

Lab File: VN063892.D

Acq: 6 Oct 2020 12:03

Instrument :

MSVOA_N

ClientSampleId :

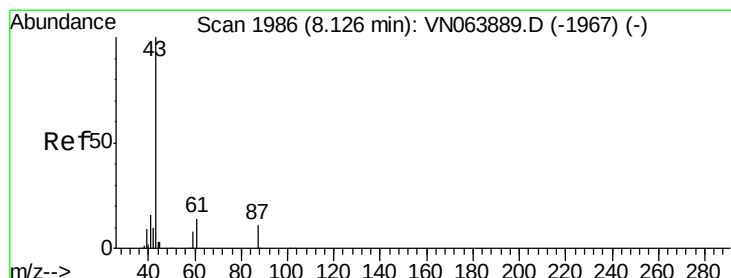
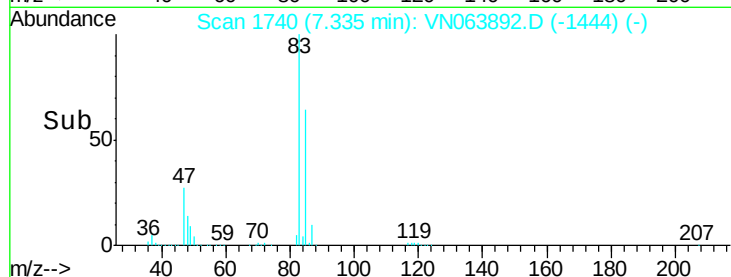
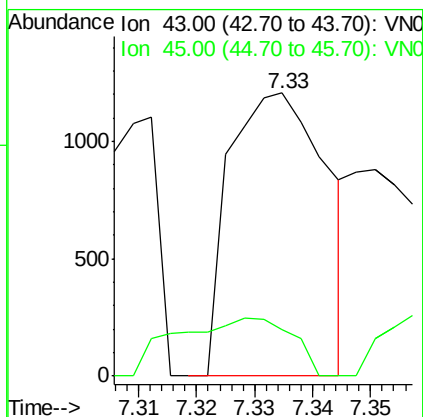
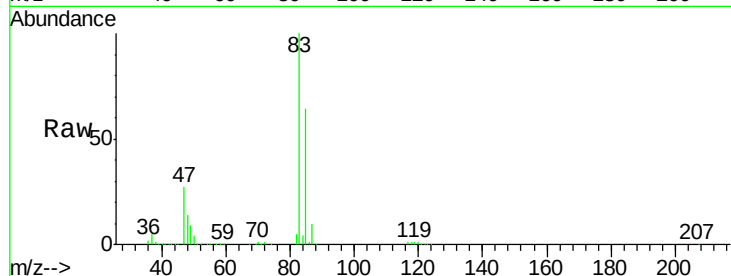
VSTDIC150

Tgt Ion: 43 Resp: 1401

Ion Ratio Lower Upper

43 100

45 14.6 10.2 15.4



#44

Isopropyl Acetate

Concen: 177.267 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN063892.D

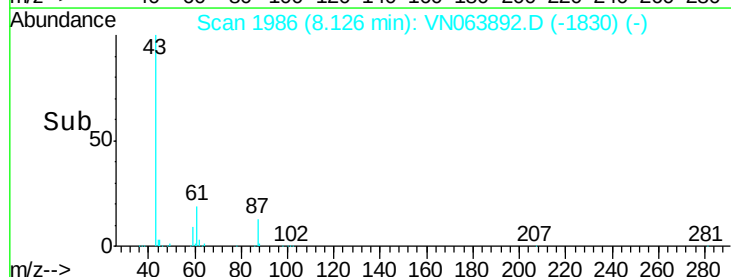
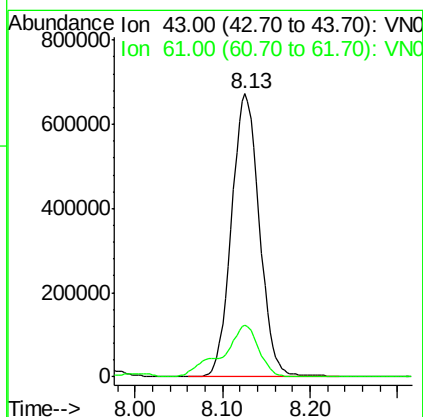
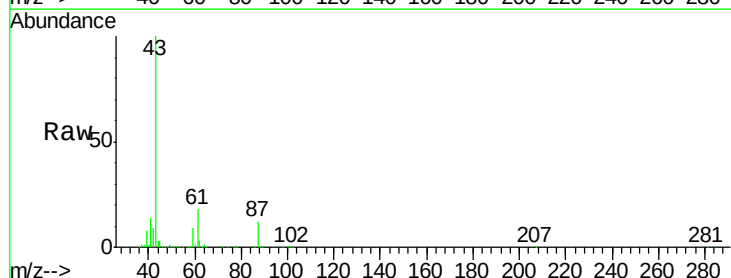
Acq: 6 Oct 2020 12:03

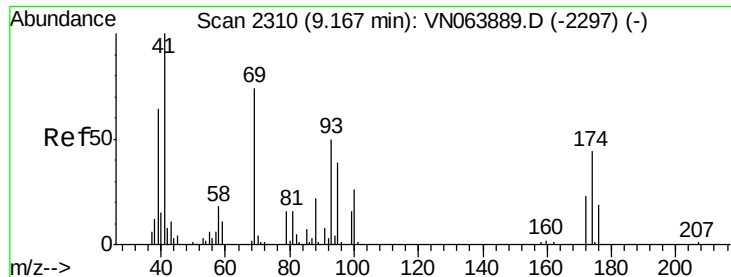
Tgt Ion: 43 Resp: 1481567

Ion Ratio Lower Upper

43 100

61 17.7 0.0 0.0#

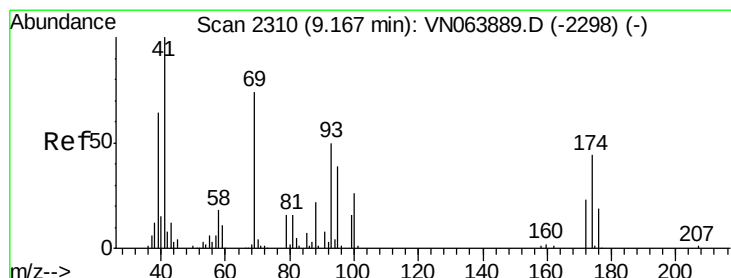
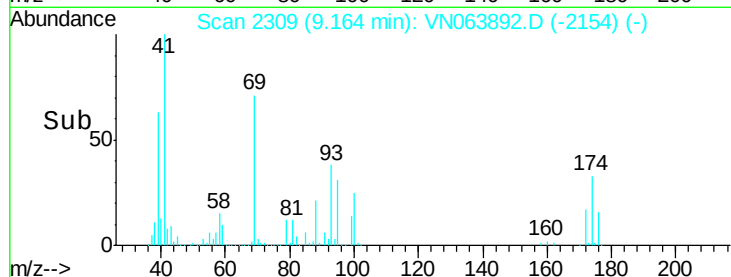
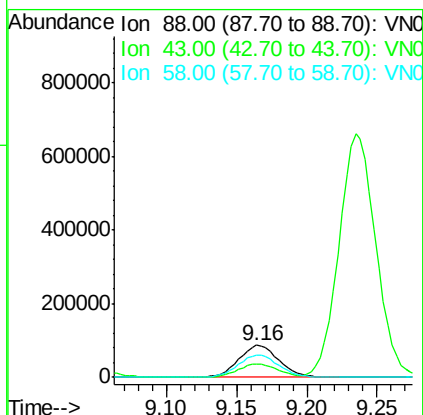
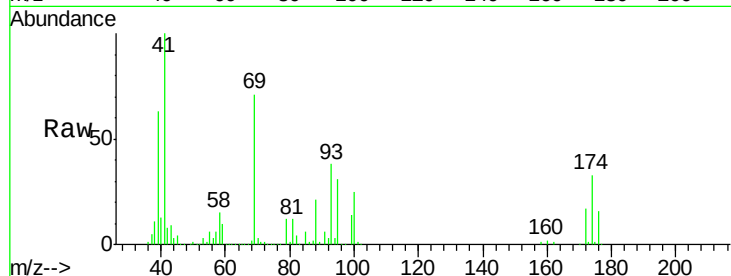




#45
 1,4-Dioxane
 Concen: 2463.249 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN063892.D
 Acq: 6 Oct 2020 12:03

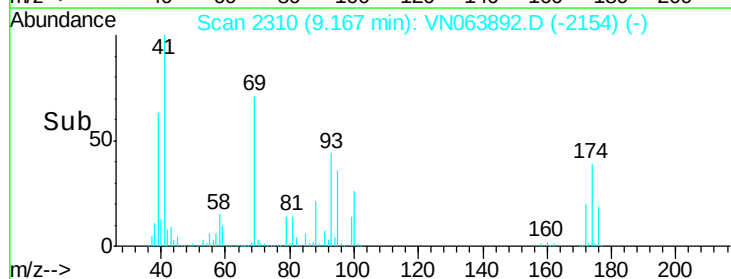
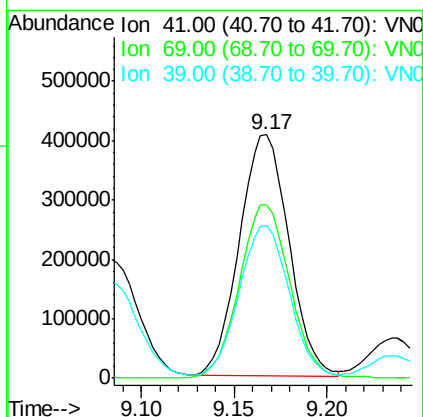
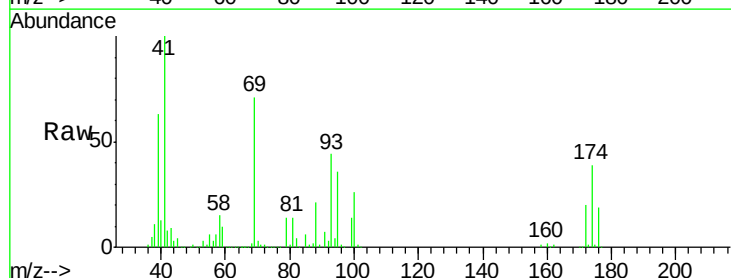
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

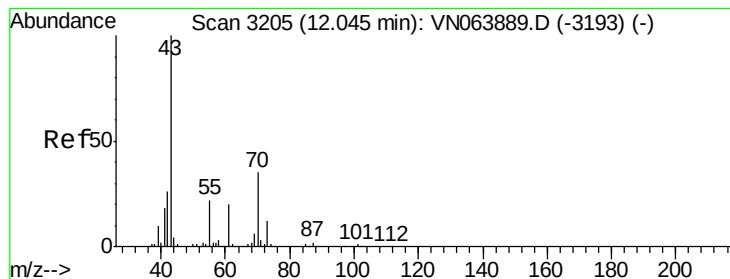
Tgt Ion: 88 Resp: 175360
 Ion Ratio Lower Upper
 88 100
 43 39.7 34.0 51.0
 58 71.4 64.9 97.3



#46
 Methyl methacrylate
 Concen: 182.962 ug/l
 RT: 9.17 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN063892.D
 Acq: 6 Oct 2020 12:03

Tgt Ion: 41 Resp: 753723
 Ion Ratio Lower Upper
 41 100
 69 72.0 36.9 110.7
 39 62.2 31.9 95.5





#47

n-amyl Acetate

Concen: 192.464 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN063892.D

Acq: 6 Oct 2020 12:03

Instrument :

MSVOA_N

ClientSampleId :

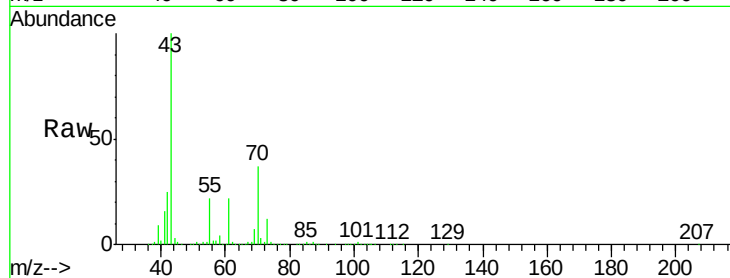
VSTDIC150

Tgt Ion: 43 Resp: 1415017

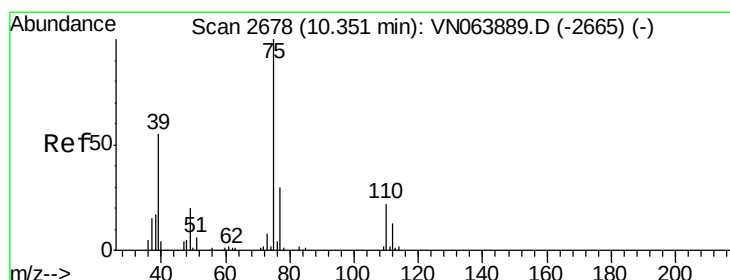
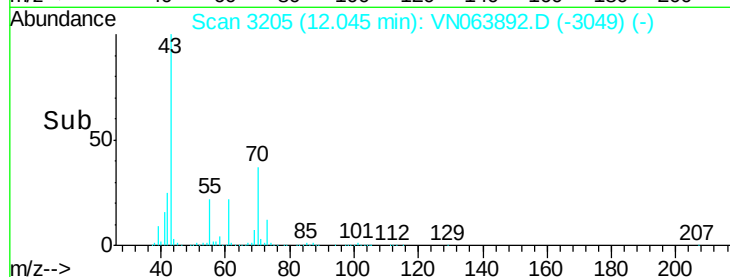
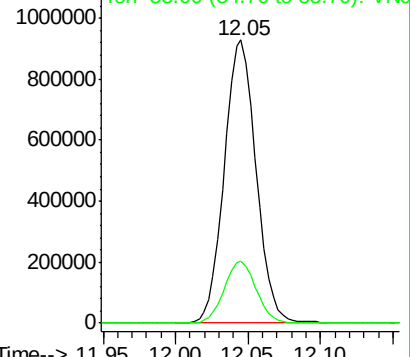
Ion Ratio Lower Upper

43 100

55 22.2 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VN063889.D (-3193) (-)



#48

t-1,3-Dichloropropene

Concen: 153.881 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN063892.D

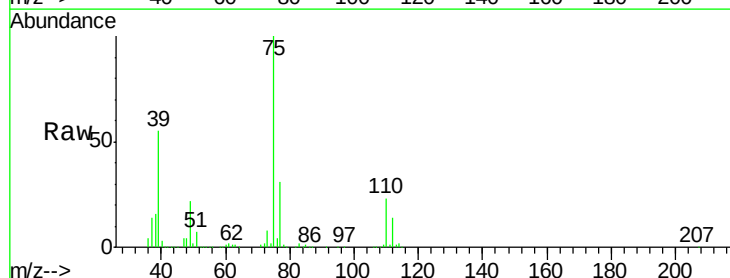
Acq: 6 Oct 2020 12:03

Tgt Ion: 75 Resp: 1033601

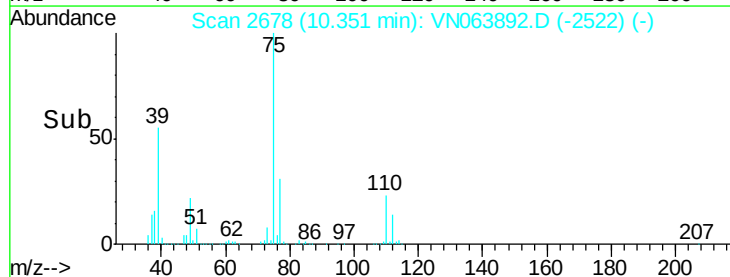
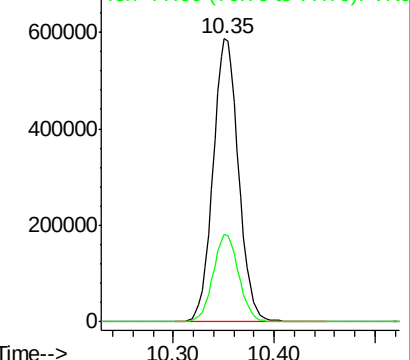
Ion Ratio Lower Upper

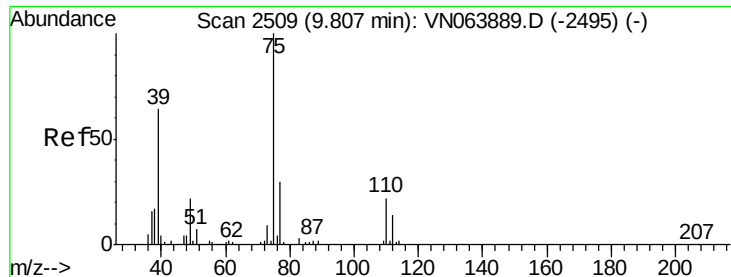
75 100

77 30.9 24.2 36.4



Abundance Ion 75.00 (74.70 to 75.70): VN063889.D (-2665) (-)



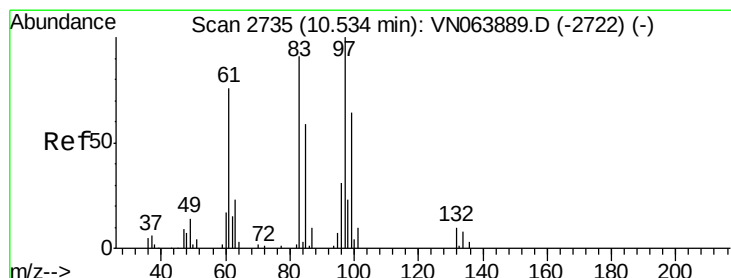
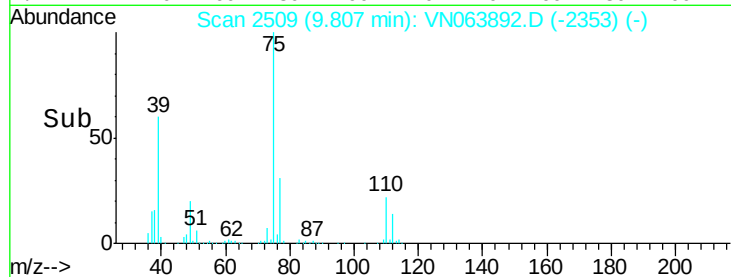
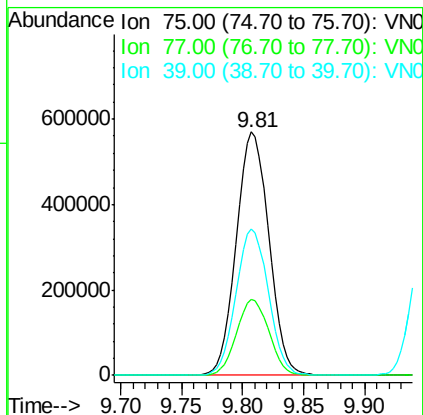
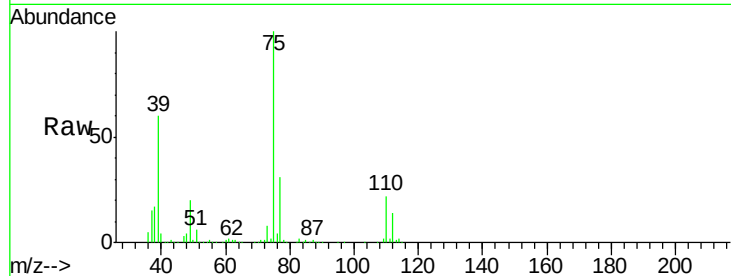


#49

cis-1,3-Dichloropropene
 Concen: 147.350 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN063892.D
 Acq: 6 Oct 2020 12:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

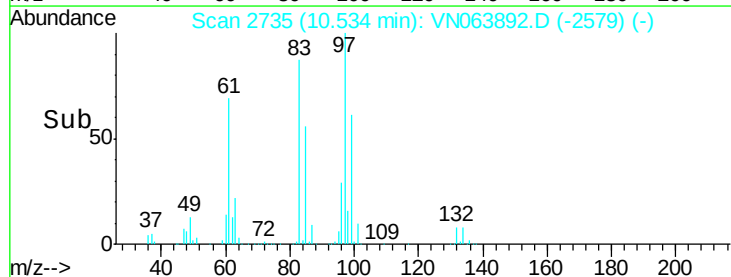
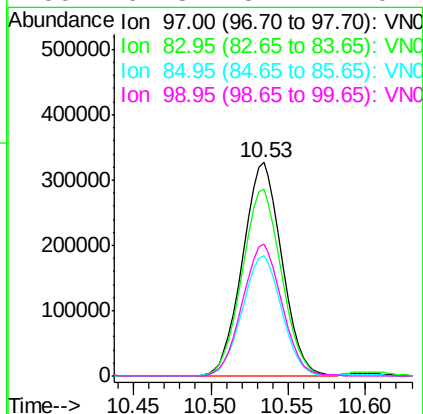
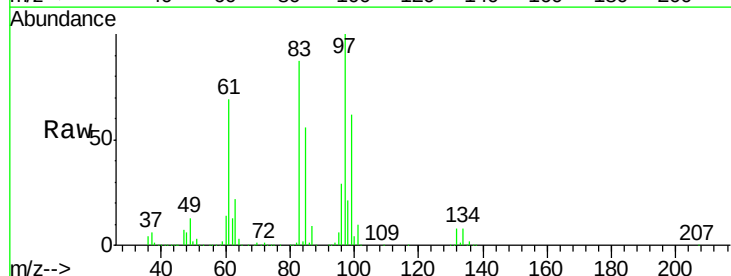
Tgt Ion: 75 Resp: 1056962
 Ion Ratio Lower Upper
 75 100
 77 31.1 24.1 36.1
 39 60.1 51.0 76.4

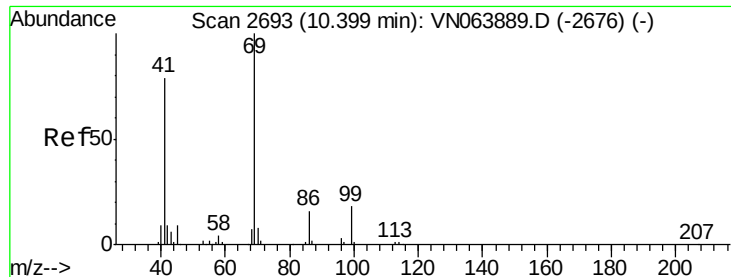


#50

1,1,2-Trichloroethane
 Concen: 134.486 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN063892.D
 Acq: 6 Oct 2020 12:03

Tgt Ion: 97 Resp: 578481
 Ion Ratio Lower Upper
 97 100
 83 87.3 73.0 109.6
 85 56.1 46.9 70.3
 99 61.8 51.1 76.7





#51

Ethyl methacrylate

Concen: 157.731 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN063892.D

Acq: 6 Oct 2020 12:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

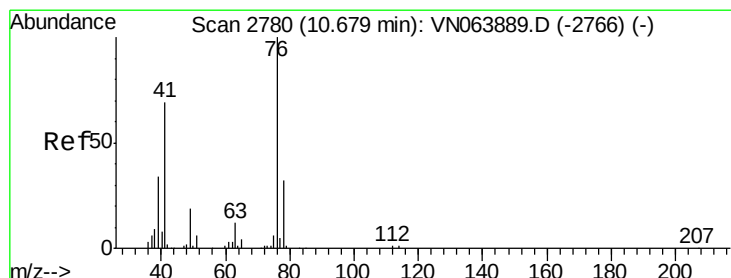
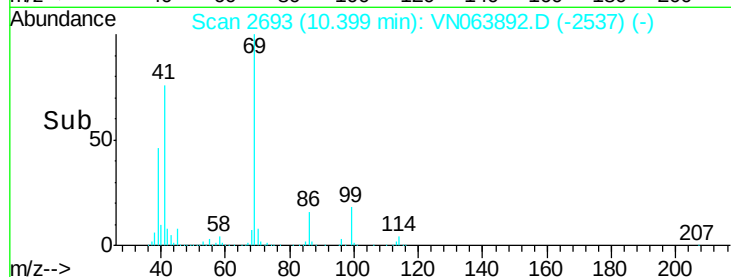
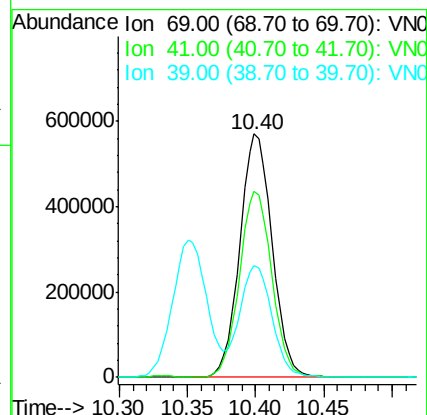
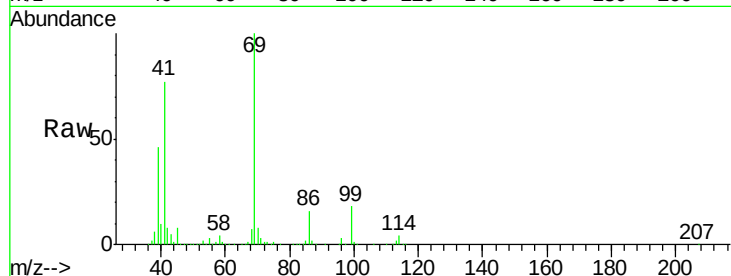
Tgt Ion: 69 Resp: 939271

Ion Ratio Lower Upper

69 100

41 76.4 39.6 118.7

39 45.7 25.9 77.6



#52

1,3-Dichloropropane

Concen: 140.929 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN063892.D

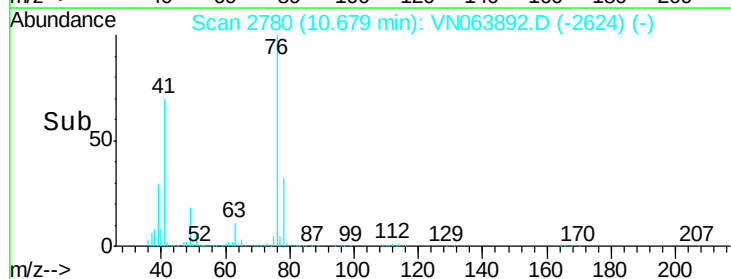
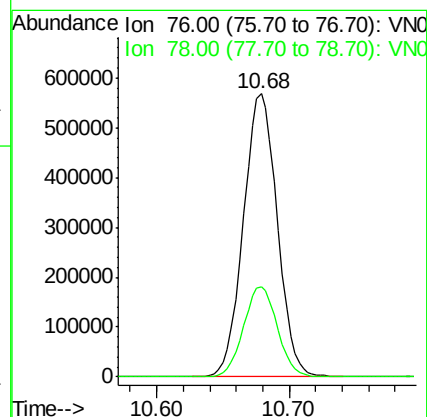
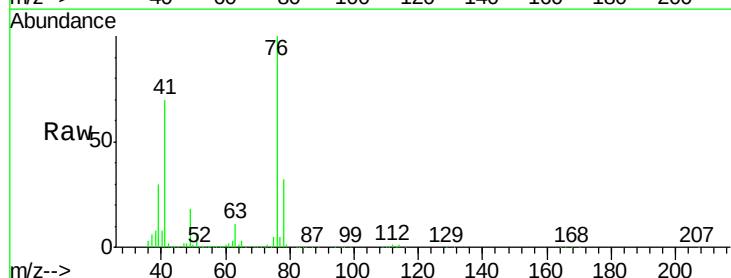
Acq: 6 Oct 2020 12:03

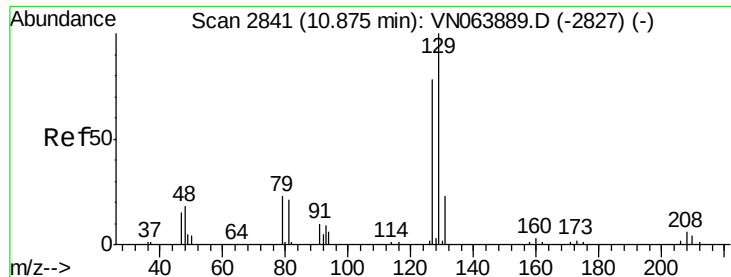
Tgt Ion: 76 Resp: 1006424

Ion Ratio Lower Upper

76 100

78 32.0 0.0 66.0





#53

Dibromochloromethane

Concen: 145.960 ug/l

RT: 10.87 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VN063892.D

Acq: 6 Oct 2020 12:03

Instrument :

MSVOA_N

ClientSampleId :

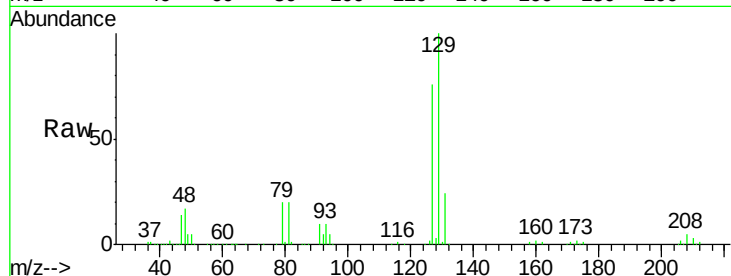
VSTDIC150

Tgt Ion:129 Resp: 698678

Ion Ratio Lower Upper

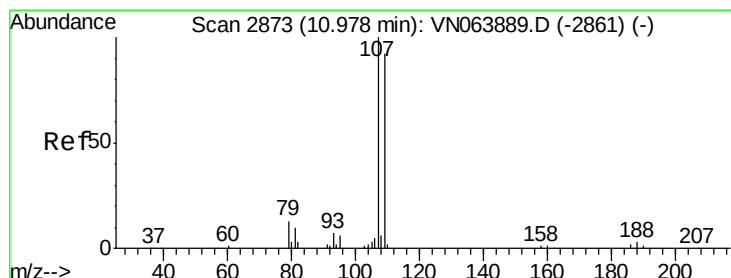
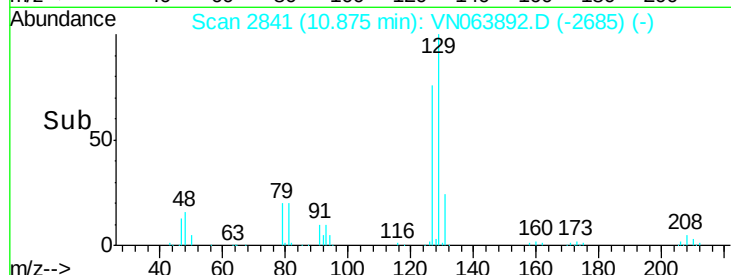
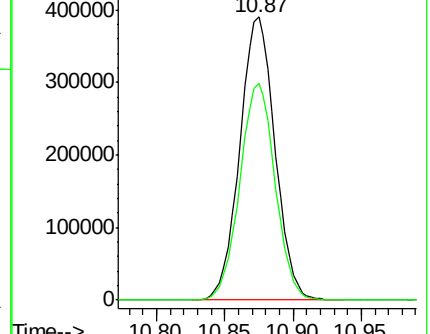
129 100

127 76.7 38.4 115.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 147.743 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. 0.00 min

Lab File: VN063892.D

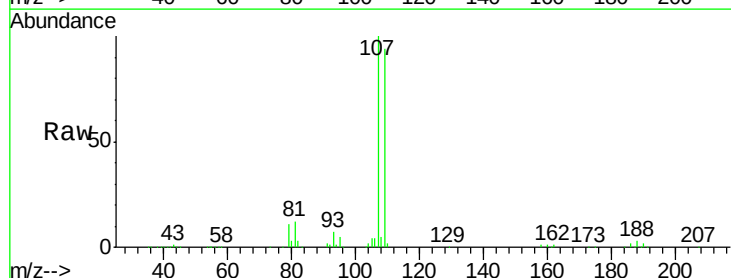
Acq: 6 Oct 2020 12:03

Tgt Ion:107 Resp: 622887

Ion Ratio Lower Upper

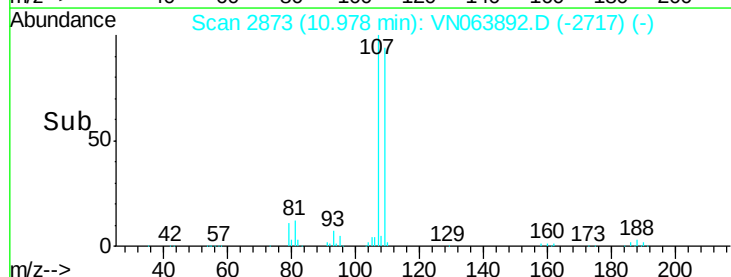
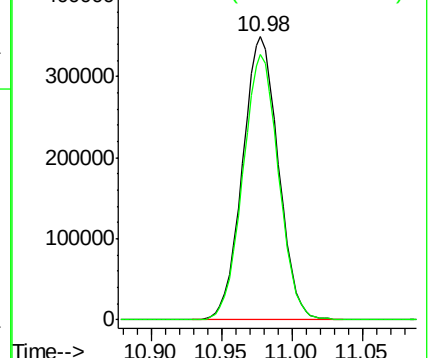
107 100

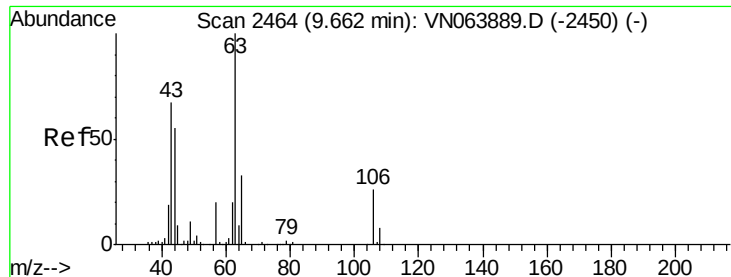
109 93.7 74.7 112.1



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



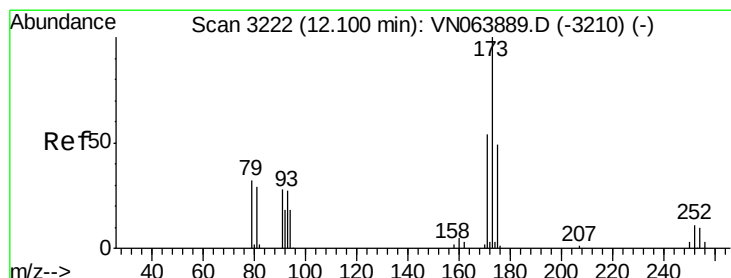
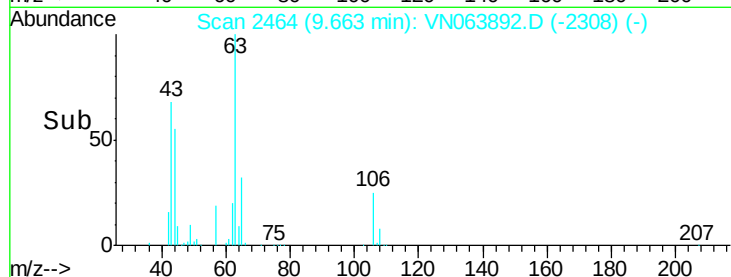
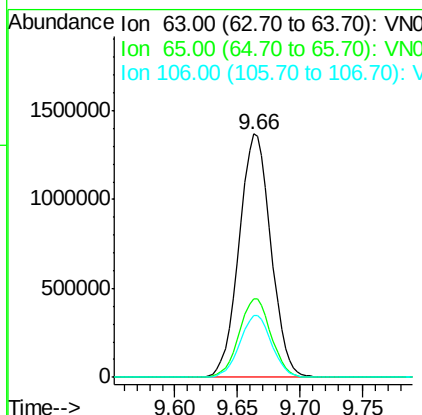
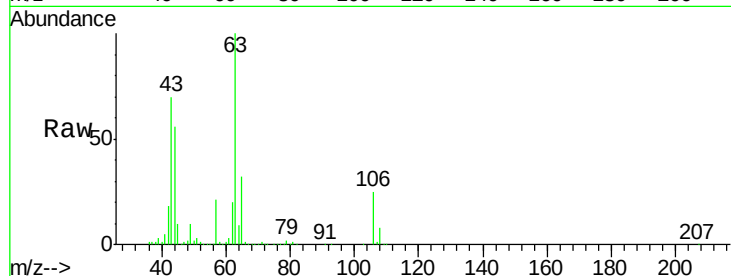


#55
 2-Chloroethyl vinyl ether
 Concen: 1480.611 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN063892.D
 Acq: 6 Oct 2020 12:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion: 63 Resp: 2418357

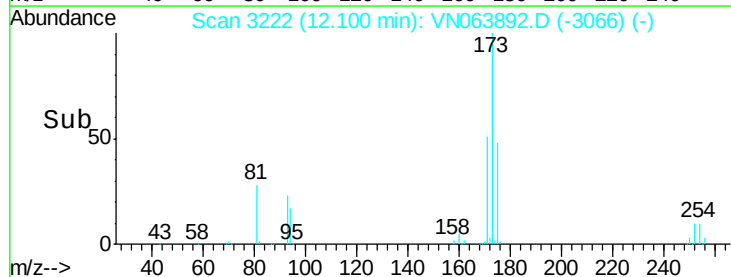
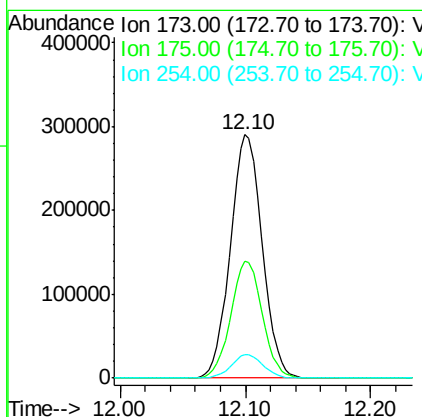
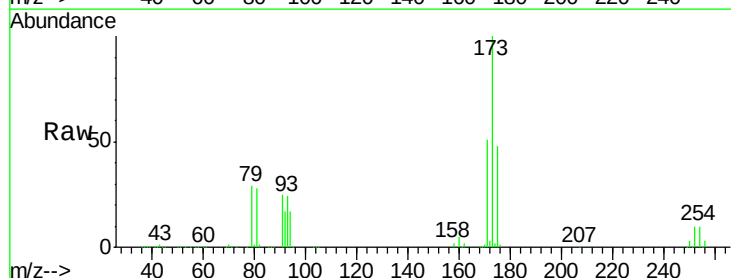
Ion	Ratio	Lower	Upper
63	100		
65	32.4	25.4	38.2
106	25.4	20.3	30.5

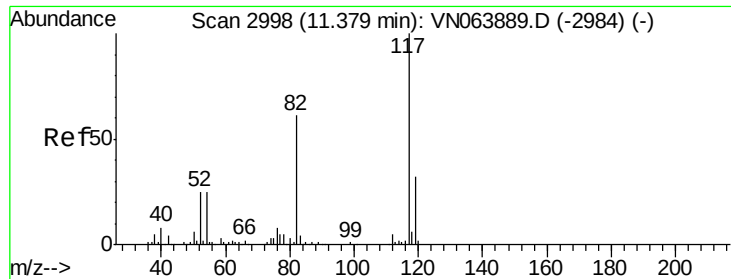


#56
 Bromoform
 Concen: 148.235 ug/l
 RT: 12.10 min Scan# 3222
 Delta R.T. 0.00 min
 Lab File: VN063892.D
 Acq: 6 Oct 2020 12:03

Tgt Ion: 173 Resp: 512229

Ion	Ratio	Lower	Upper
173	100		
175	47.5	39.4	59.2
254	9.6	7.8	11.6

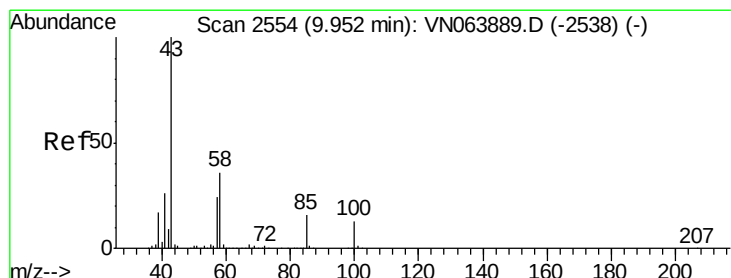
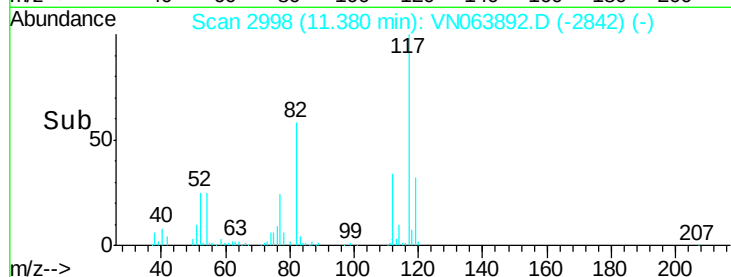
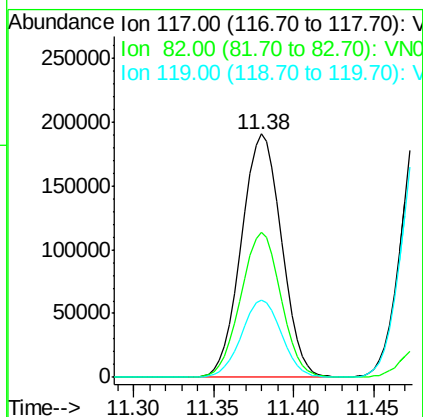
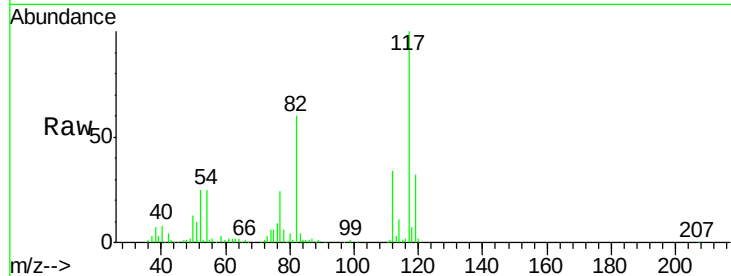




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063892.D
Acq: 6 Oct 2020 12:03

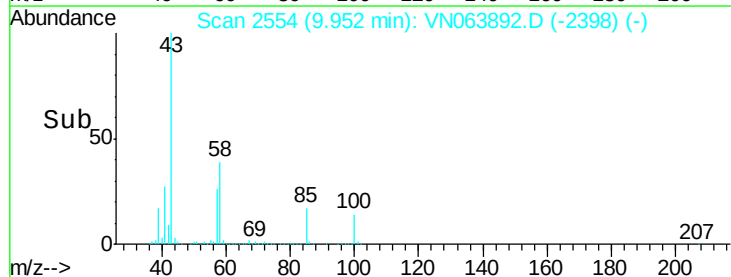
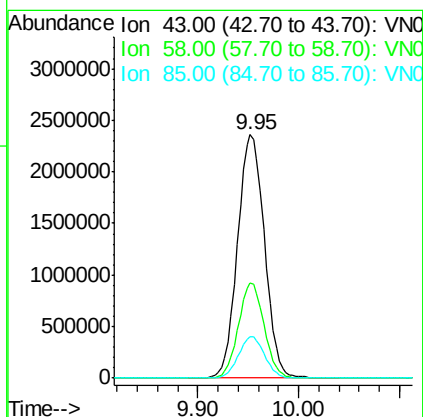
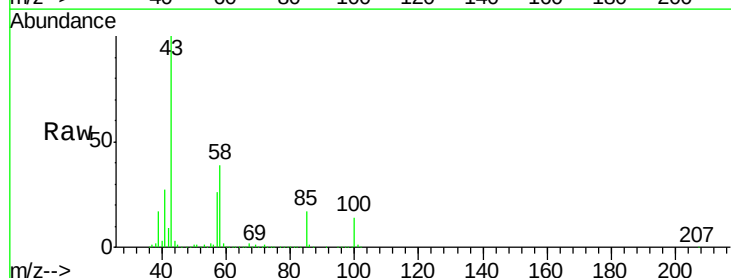
Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

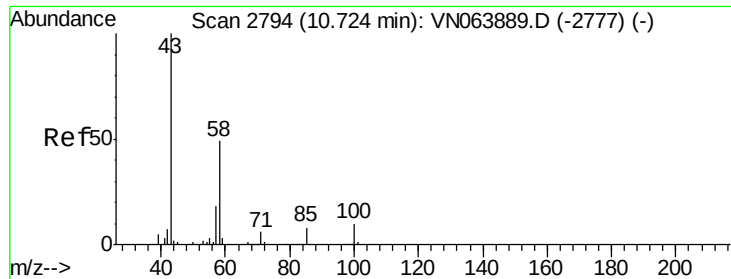
Tgt Ion: 117 Resp: 327384
Ion Ratio Lower Upper
117 100
82 59.7 47.7 71.5
119 31.8 25.7 38.5



#58
4-Methyl-2-Pentanone
Concen: 839.615 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN063892.D
Acq: 6 Oct 2020 12:03

Tgt Ion: 43 Resp: 4349264
Ion Ratio Lower Upper
43 100
58 37.5 28.2 42.4
85 16.6 12.8 19.2

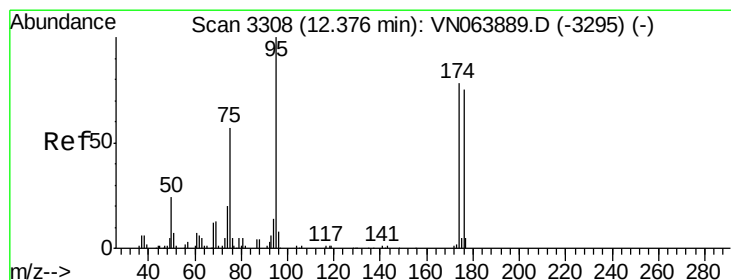
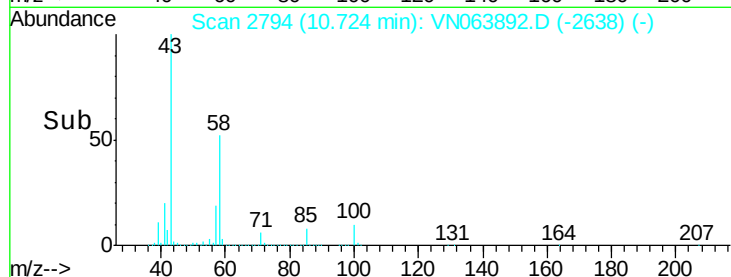
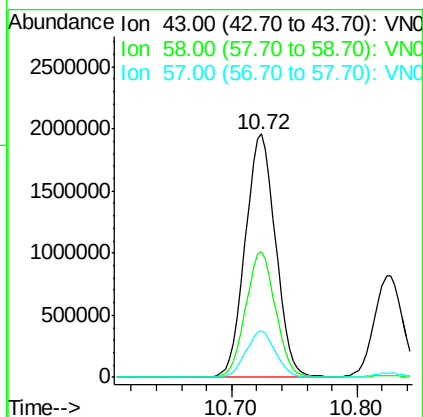
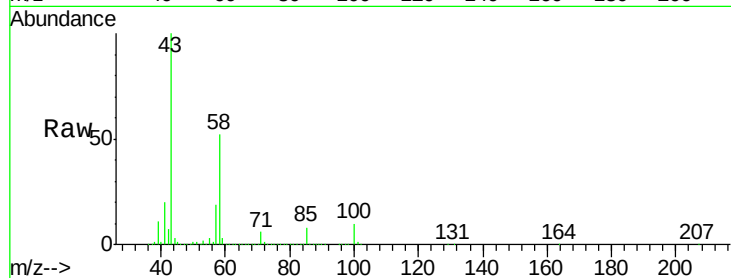




#59
2-Hexanone
Concen: 884.731 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063892.D
Acq: 6 Oct 2020 12:03

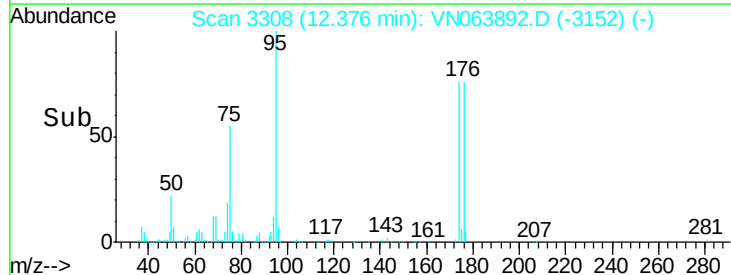
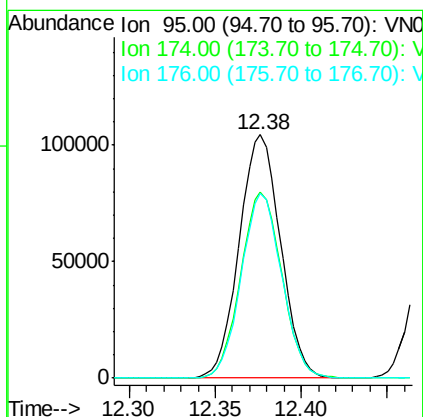
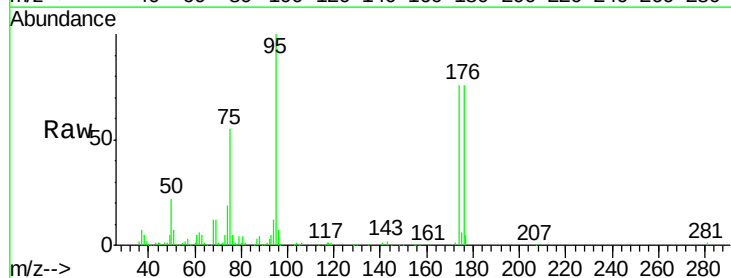
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

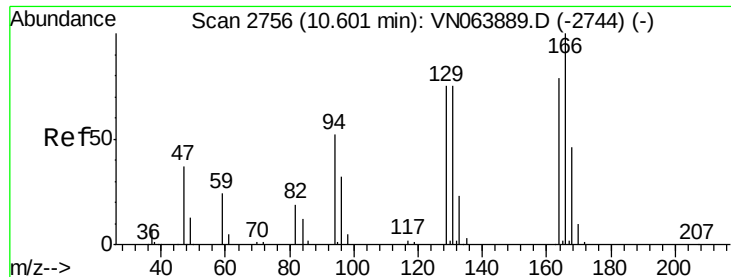
Tgt Ion: 43 Resp: 3303268
Ion Ratio Lower Upper
43 100
58 50.8 38.9 58.3
57 18.5 14.6 22.0



#60
4-Bromofluorobenzene
Concen: 33.227 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN063892.D
Acq: 6 Oct 2020 12:03

Tgt Ion: 95 Resp: 174510
Ion Ratio Lower Upper
95 100
174 76.2 61.0 91.4
176 74.2 58.5 87.7





#61

Tetrachloroethene

Concen: 139.132 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VN063892.D

Acq: 6 Oct 2020 12:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion:164 Resp: 531542

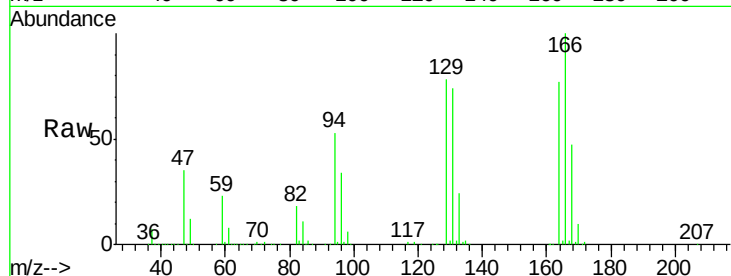
Ion Ratio Lower Upper

164 100

166 129.4 102.2 153.4

129 100.3 77.2 115.8

131 96.0 76.6 114.8

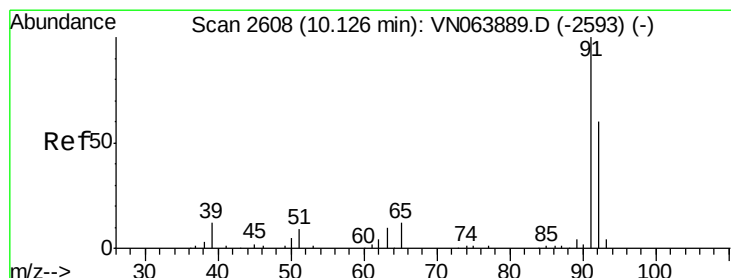
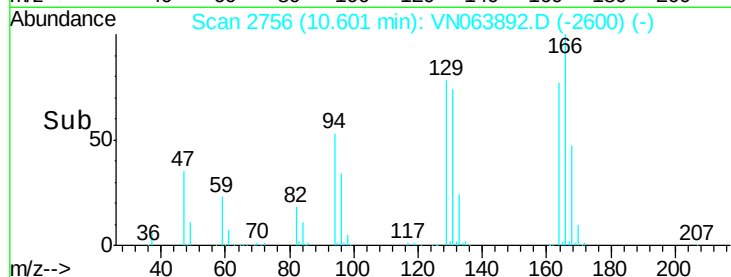
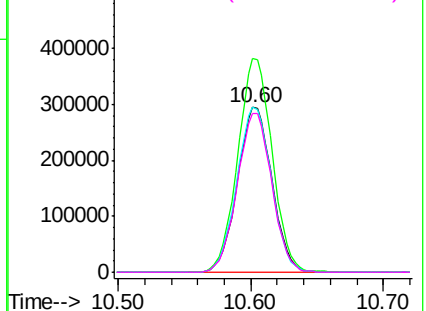


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 141.674 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063892.D

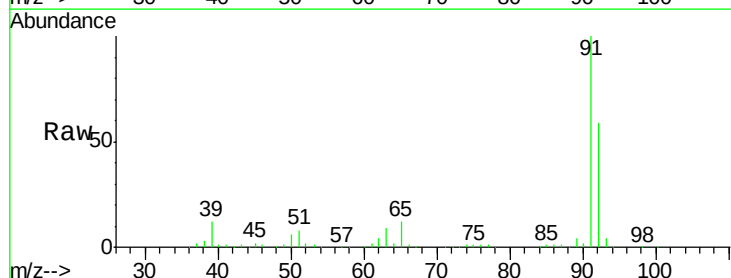
Acq: 6 Oct 2020 12:03

Tgt Ion: 91 Resp: 2562283

Ion Ratio Lower Upper

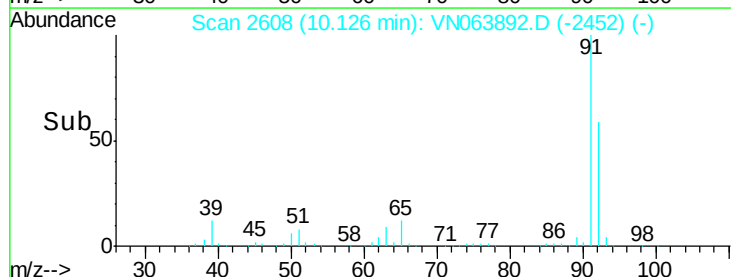
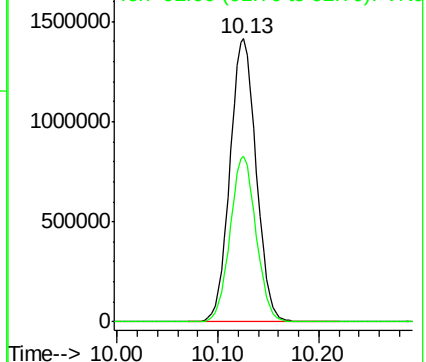
91 100

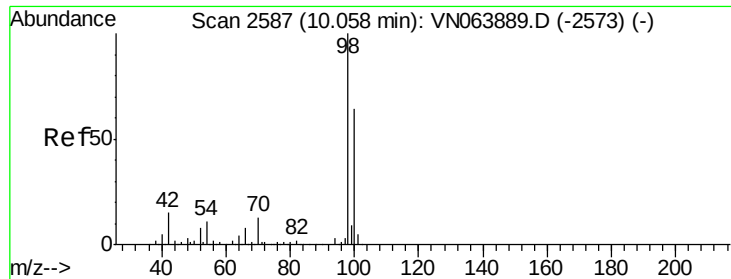
92 57.7 47.2 70.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

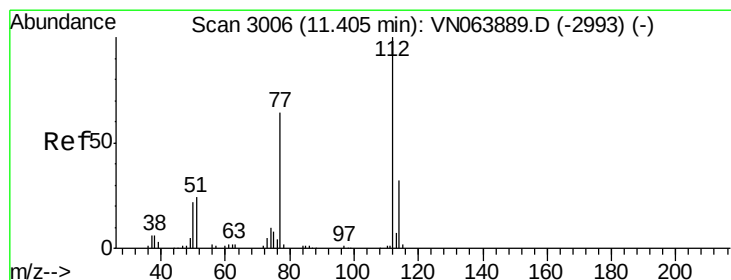
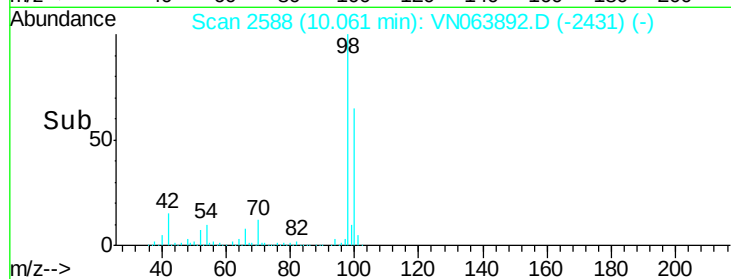
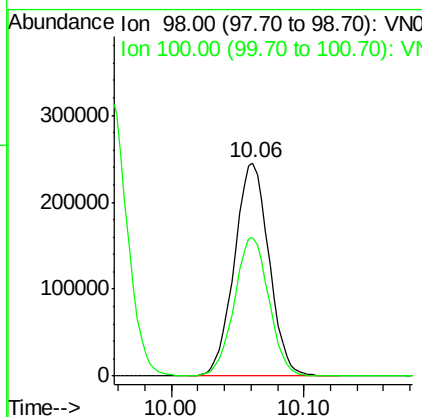
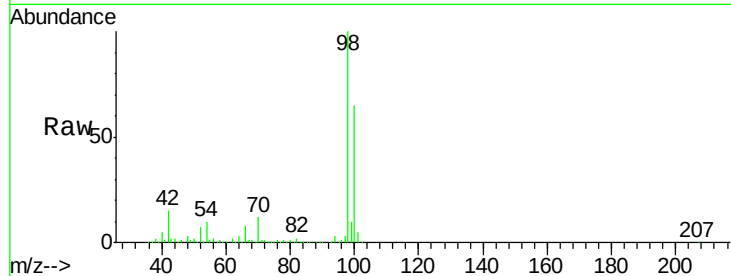




#63
Toluene-d8
Concen: 29.781 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063892.D
Acq: 6 Oct 2020 12:03

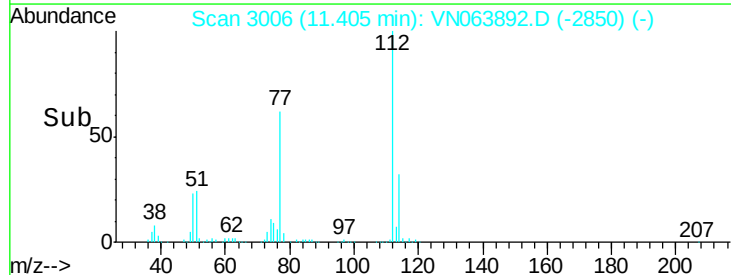
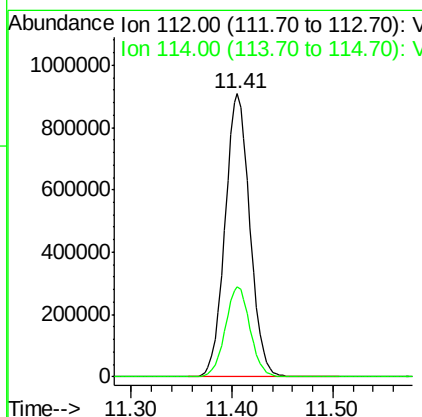
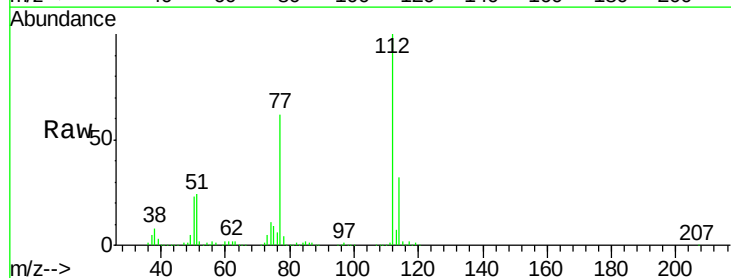
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

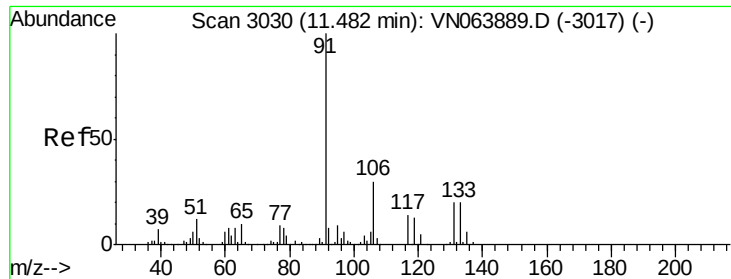
Tgt Ion: 98 Resp: 446202
Ion Ratio Lower Upper
98 100
100 64.5 51.8 77.6



#64
Chlorobenzene
Concen: 140.171 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN063892.D
Acq: 6 Oct 2020 12:03

Tgt Ion: 112 Resp: 1558722
Ion Ratio Lower Upper
112 100
114 32.0 25.8 38.6

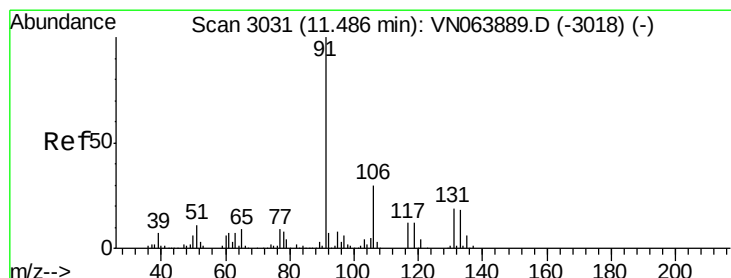
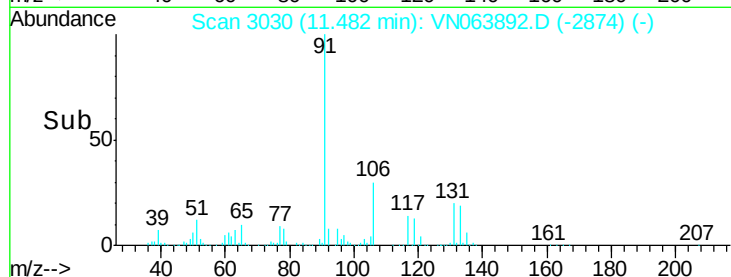
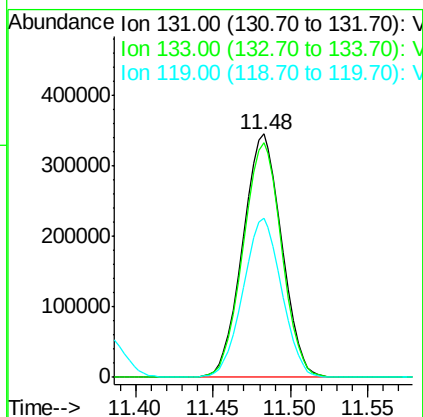
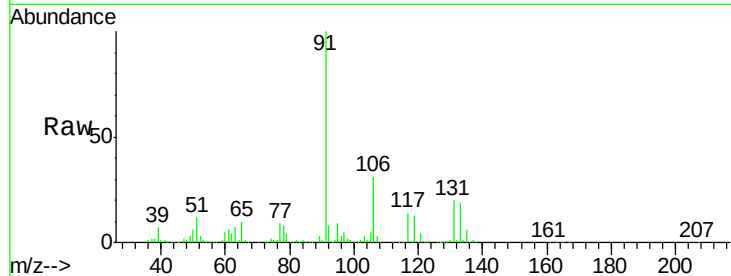




#65
 1,1,1,2-Tetrachloroethane
 Concen: 137.641 ug/l
 RT: 11.48 min Scan# 3030
 Delta R.T. 0.00 min
 Lab File: VN063892.D
 Acq: 6 Oct 2020 12:03

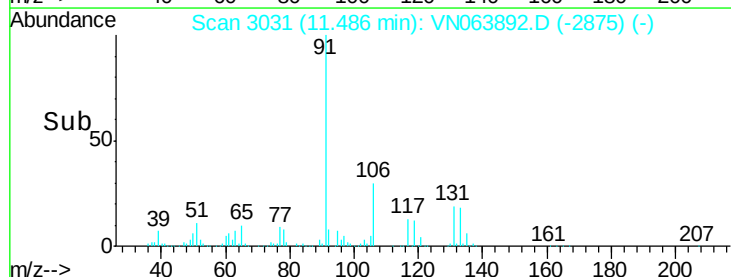
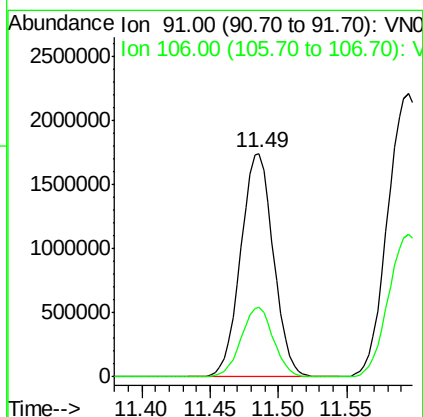
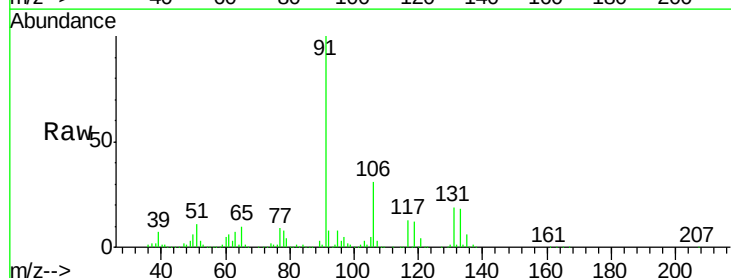
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

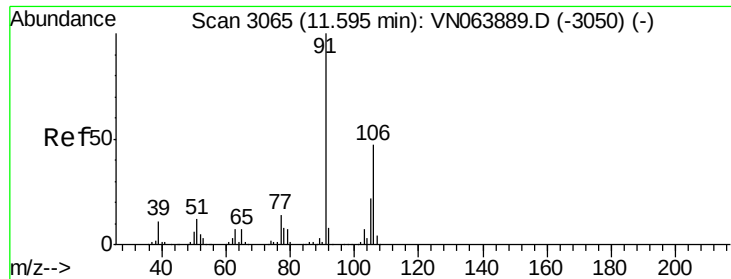
Tgt Ion: 131 Resp: 606200
 Ion Ratio Lower Upper
 131 100
 133 95.4 0.0 192.6
 119 64.8 0.0 133.2



#66
 Ethyl Benzene
 Concen: 146.293 ug/l
 RT: 11.49 min Scan# 3031
 Delta R.T. 0.00 min
 Lab File: VN063892.D
 Acq: 6 Oct 2020 12:03

Tgt Ion: 91 Resp: 2899930
 Ion Ratio Lower Upper
 91 100
 106 31.1 24.4 36.6

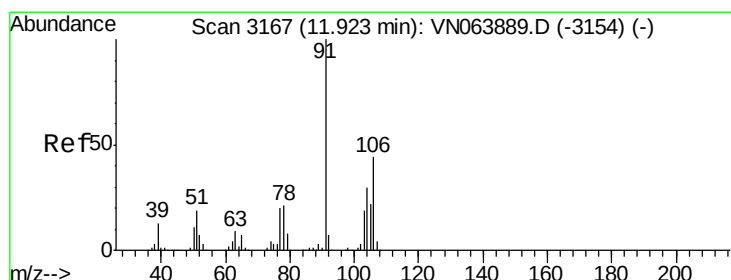
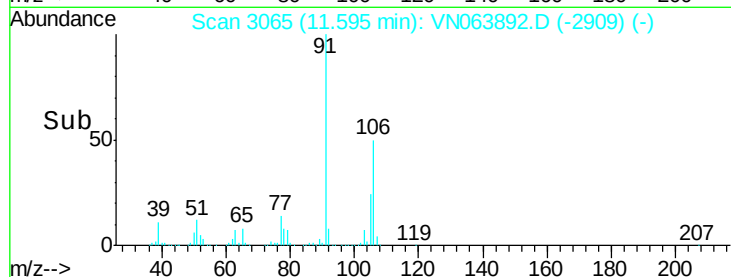
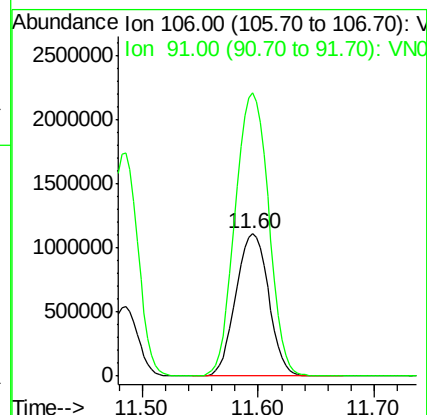
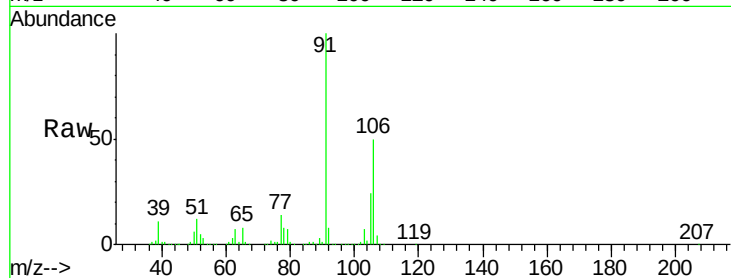




#67
m/p-Xylenes
Concen: 293.337 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN063892.D
Acq: 6 Oct 2020 12:03

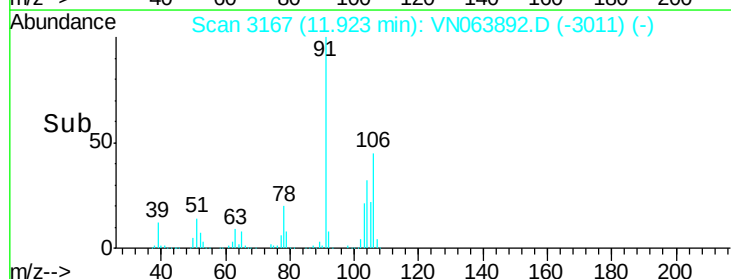
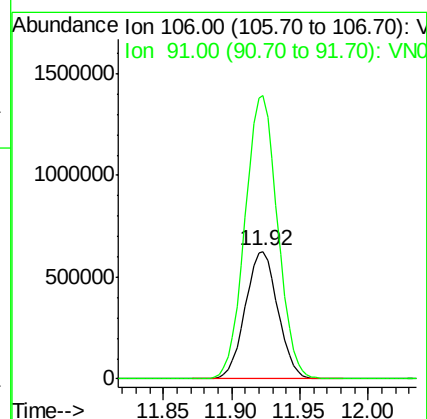
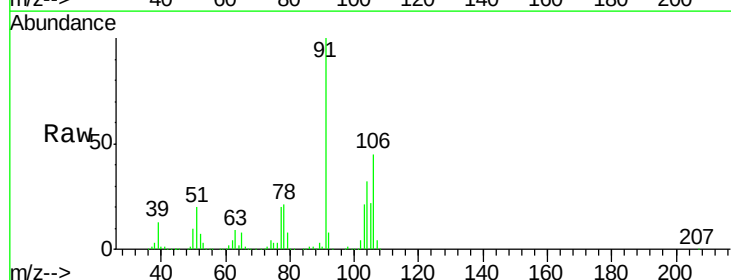
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

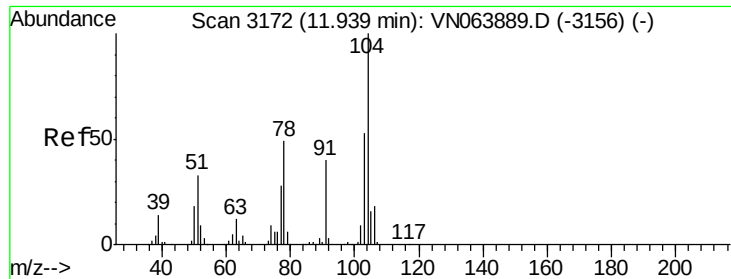
Tgt Ion:106 Resp: 2174887
Ion Ratio Lower Upper
106 100
91 203.8 169.2 253.8



#68
o-Xylene
Concen: 146.642 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063892.D
Acq: 6 Oct 2020 12:03

Tgt Ion:106 Resp: 1039570
Ion Ratio Lower Upper
106 100
91 222.2 113.1 339.4

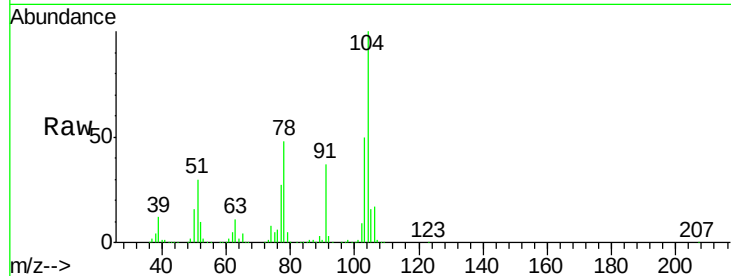




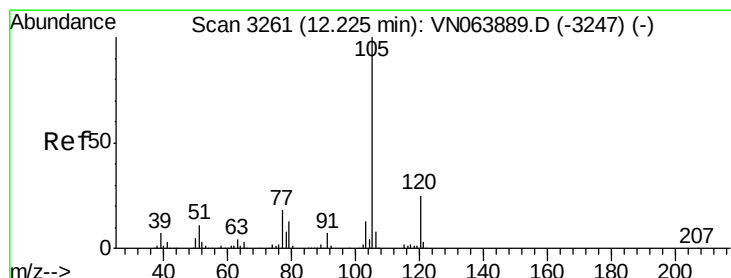
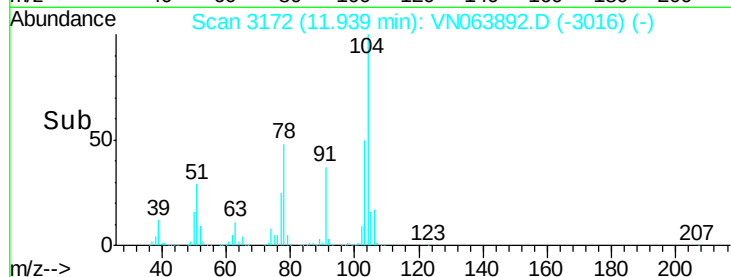
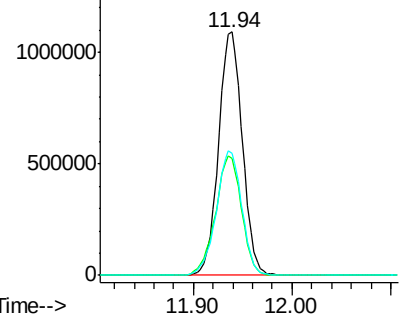
#69
 Styrene
 Concen: 149.275 ug/l
 RT: 11.94 min Scan# 3172
 Delta R.T. 0.00 min
 Lab File: VN063892.D
 Acq: 6 Oct 2020 12:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion:104 Resp: 1839513
 Ion Ratio Lower Upper
 104 100
 78 53.7 42.9 64.3
 103 54.6 44.6 66.8

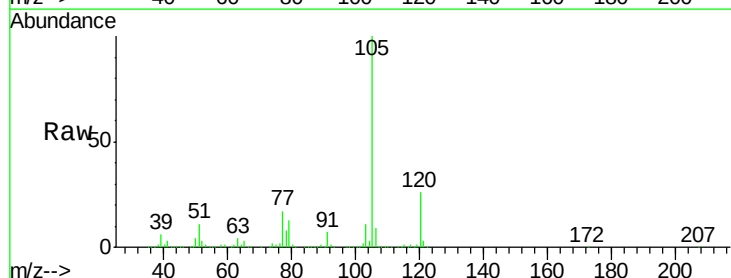


Abundance Ion 104.00 (103.70 to 104.70): V
 1500000 Ion 78.00 (77.70 to 78.70): V
 Ion 103.00 (102.70 to 103.70): V

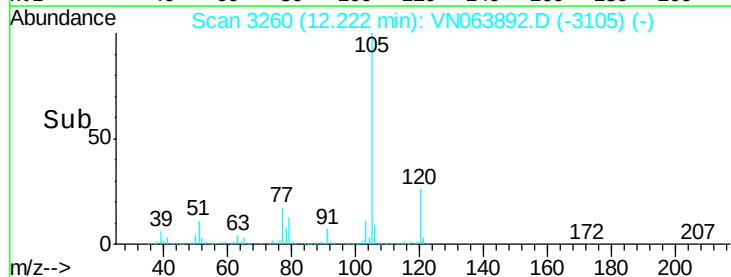
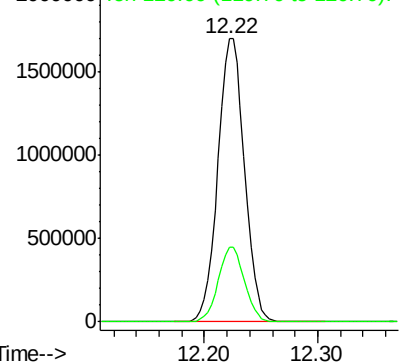


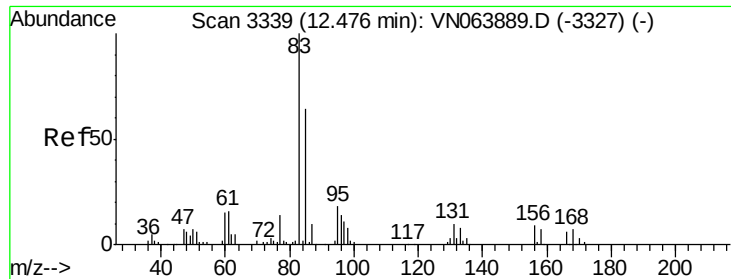
#70
 Isopropylbenzene
 Concen: 144.633 ug/l
 RT: 12.22 min Scan# 3260
 Delta R.T. -0.00 min
 Lab File: VN063892.D
 Acq: 6 Oct 2020 12:03

Tgt Ion:105 Resp: 2777228
 Ion Ratio Lower Upper
 105 100
 120 25.9 17.8 33.1



Abundance Ion 105.00 (104.70 to 105.70): V
 2000000 Ion 120.00 (119.70 to 120.70): V

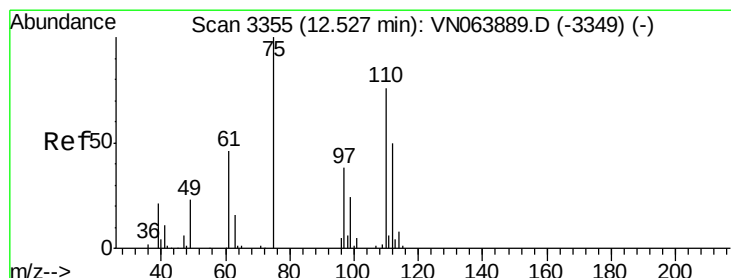
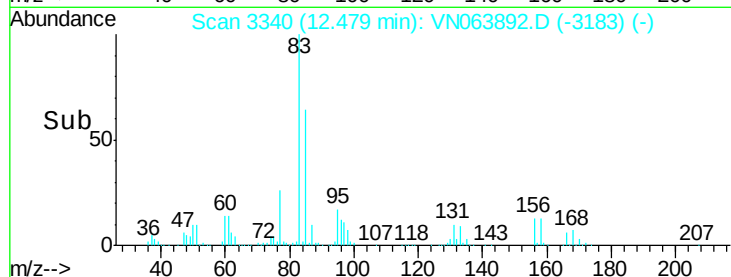
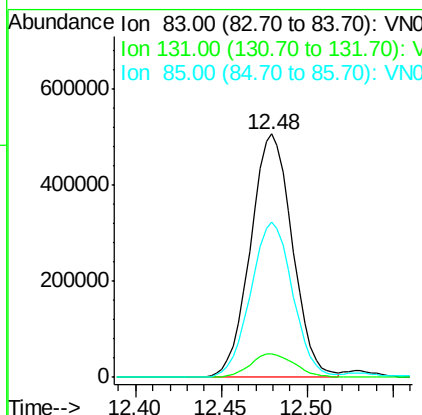
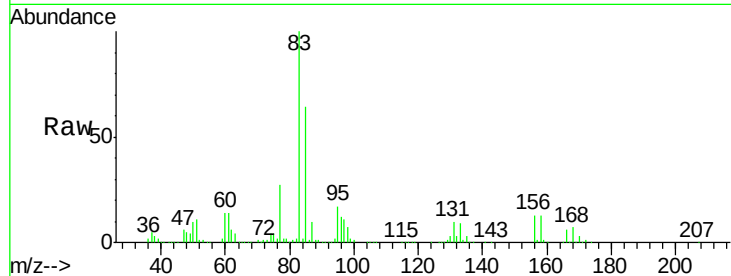




#71
 1,1,2,2-Tetrachloroethane
 Concen: 140.238 ug/l
 RT: 12.48 min Scan# 3340
 Delta R.T. 0.00 min
 Lab File: VN063892.D
 Acq: 6 Oct 2020 12:03

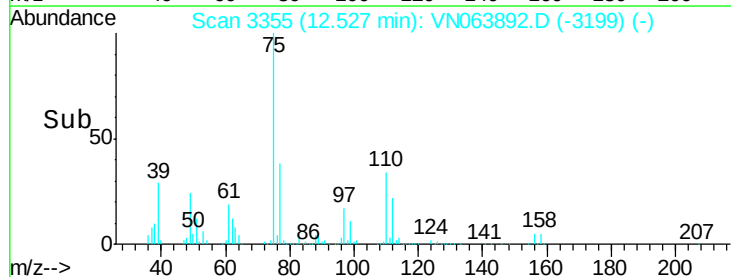
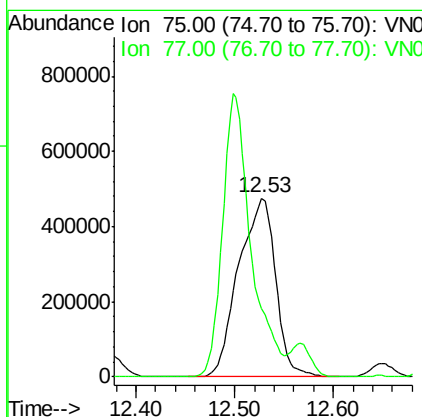
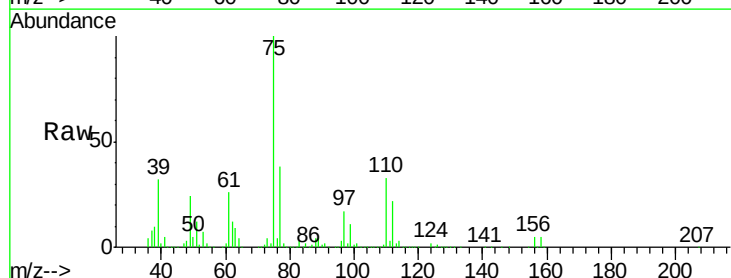
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

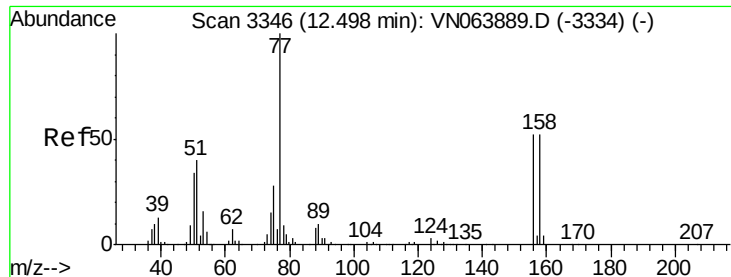
Tgt Ion: 83 Resp: 854261
 Ion Ratio Lower Upper
 83 100
 131 10.3 5.4 16.2
 85 64.2 32.3 96.8



#72
 1,2,3-Trichloropropane
 Concen: 220.182 ug/l
 RT: 12.53 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN063892.D
 Acq: 6 Oct 2020 12:03

Tgt Ion: 75 Resp: 1237015
 Ion Ratio Lower Upper
 75 100
 77 123.2 0.0 336.6

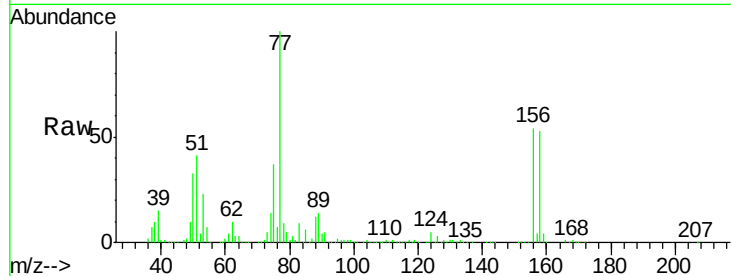




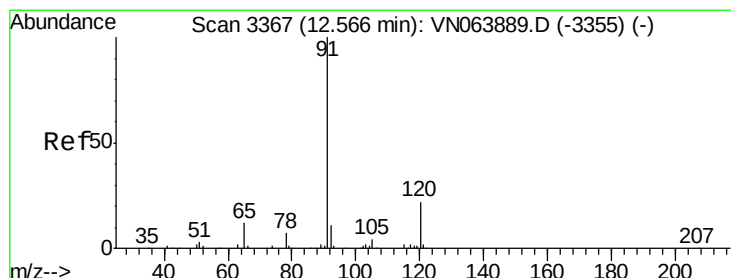
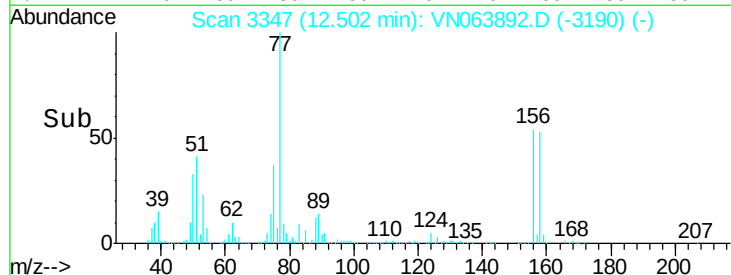
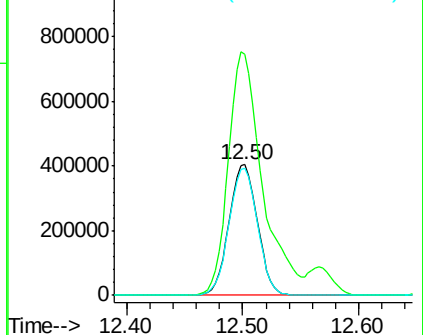
#73
Bromobenzene
Concen: 134.436 ug/l
RT: 12.50 min Scan# 3347
Delta R.T. 0.00 min
Lab File: VN063892.D
Acq: 6 Oct 2020 12:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion:156 Resp: 684055
Ion Ratio Lower Upper
156 100
77 222.8 0.0 456.4
158 98.1 0.0 200.4

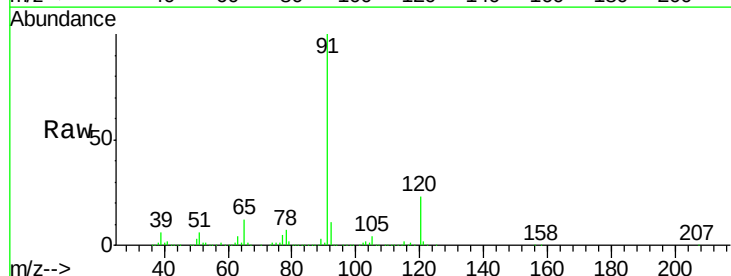


Abundance Ion 156.00 (155.70 to 156.70): V
Ion 77.00 (76.70 to 77.70): VN
Ion 158.00 (157.70 to 158.70): V

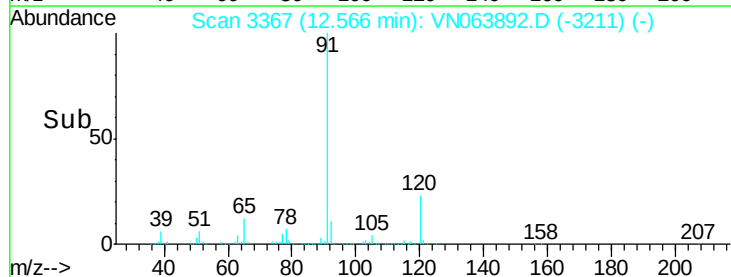
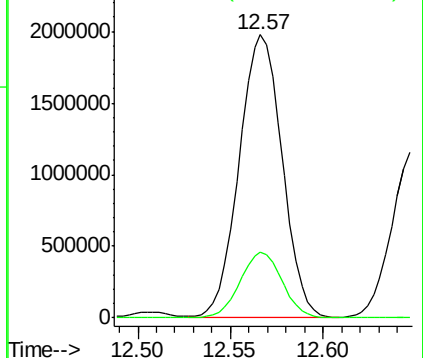


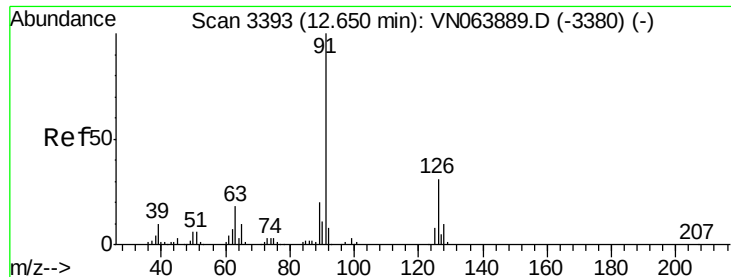
#74
n-propylbenzene
Concen: 139.355 ug/l
RT: 12.57 min Scan# 3367
Delta R.T. 0.00 min
Lab File: VN063892.D
Acq: 6 Oct 2020 12:03

Tgt Ion: 91 Resp: 3195629
Ion Ratio Lower Upper
91 100
120 22.6 0.0 42.6



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 143.321 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN063892.D

Acq: 6 Oct 2020 12:03

Instrument :

MSVOA_N

ClientSampleId :

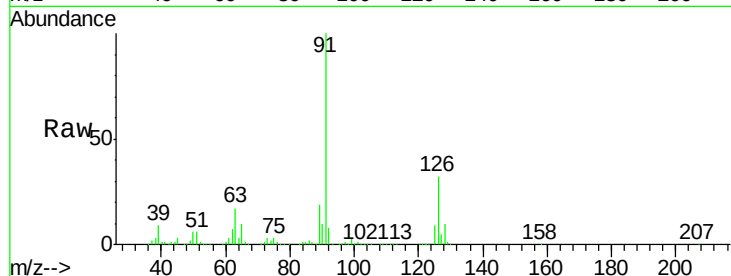
VSTDIC150

Tgt Ion: 91 Resp: 1966219

Ion Ratio Lower Upper

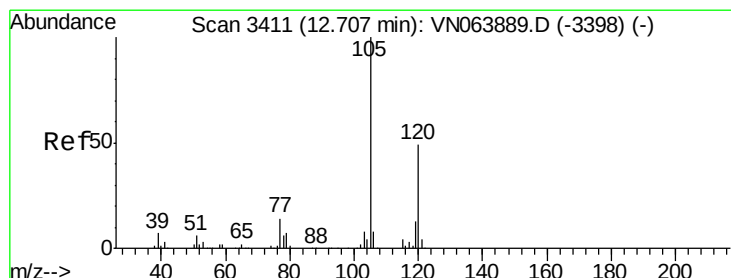
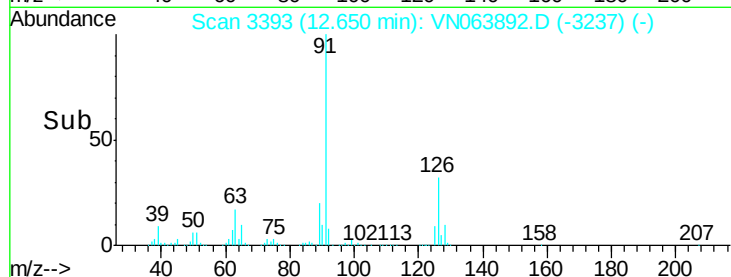
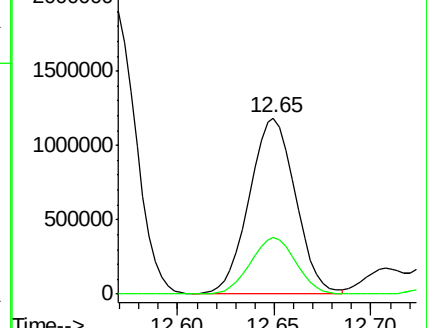
91 100

126 32.1 0.0 63.4



Abundance Ion 91.00 (90.70 to 91.70): VN063889.D (-3380) (-)

Ion 126.00 (125.70 to 126.70): VN063889.D (-3380) (-)



#76

1,3,5-Trimethylbenzene

Concen: 145.061 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN063892.D

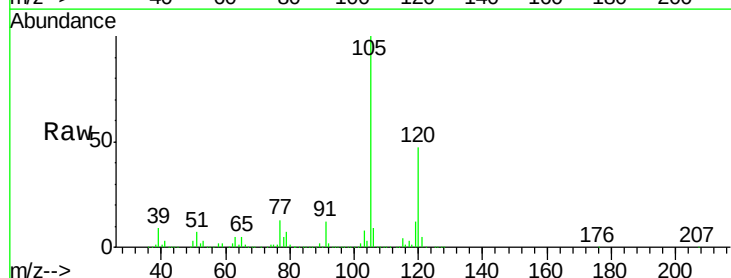
Acq: 6 Oct 2020 12:03

Tgt Ion: 105 Resp: 2367647

Ion Ratio Lower Upper

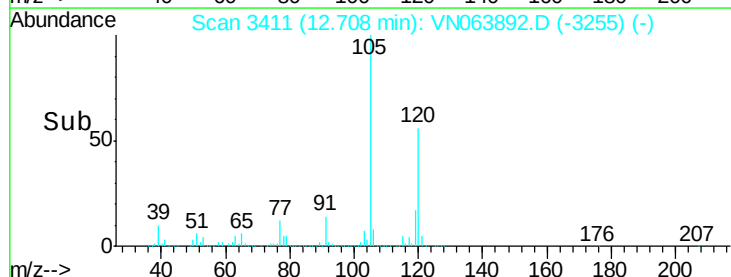
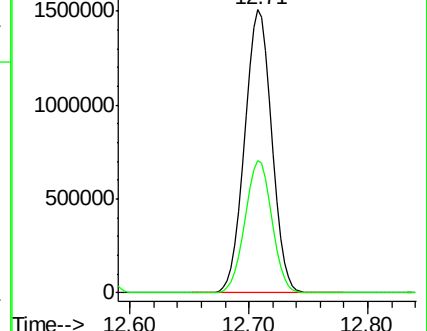
105 100

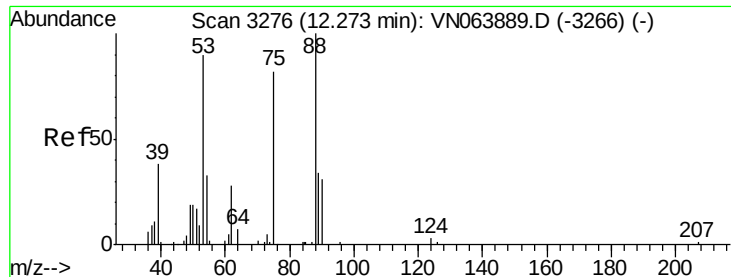
120 46.7 0.0 94.2



Abundance Ion 105.00 (104.70 to 105.70): VN063889.D (-3398) (-)

Ion 120.00 (119.70 to 120.70): VN063889.D (-3398) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 169.788 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN063892.D

Acq: 6 Oct 2020 12:03

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

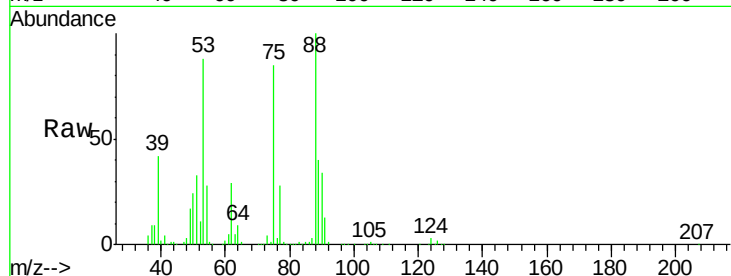
Tgt Ion: 75 Resp: 336727

Ion Ratio Lower Upper

75 100

53 103.4 55.3 165.9

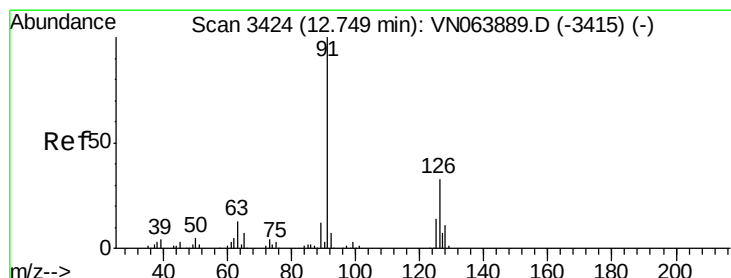
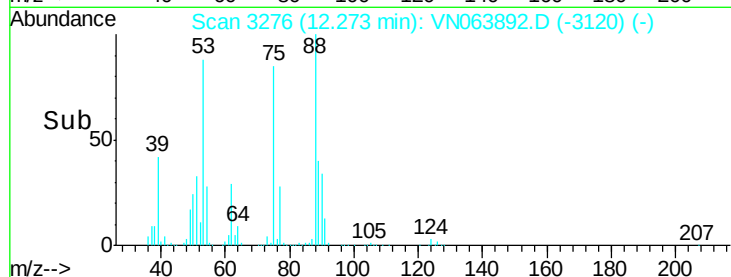
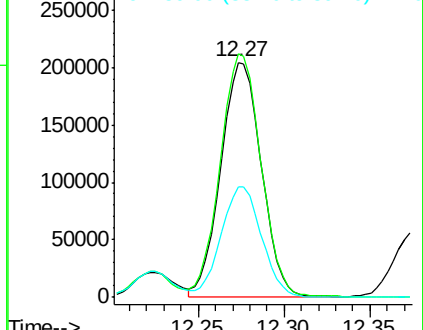
89 46.8 21.9 65.8



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 145.767 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. -0.00 min

Lab File: VN063892.D

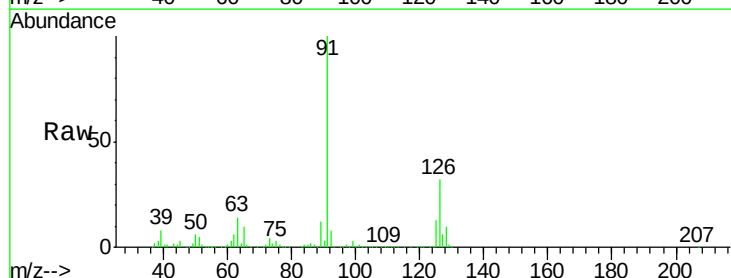
Acq: 6 Oct 2020 12:03

Tgt Ion: 91 Resp: 2075114

Ion Ratio Lower Upper

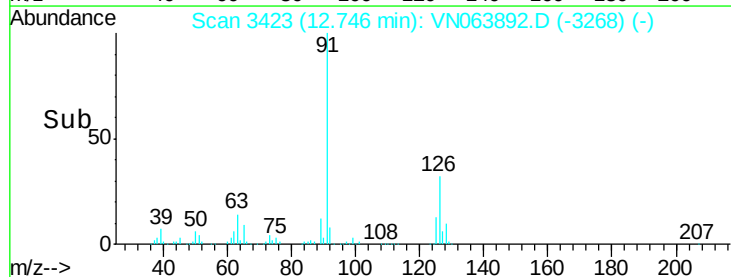
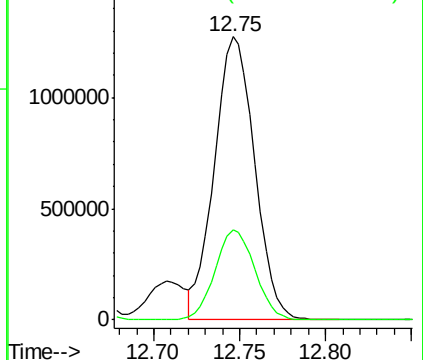
91 100

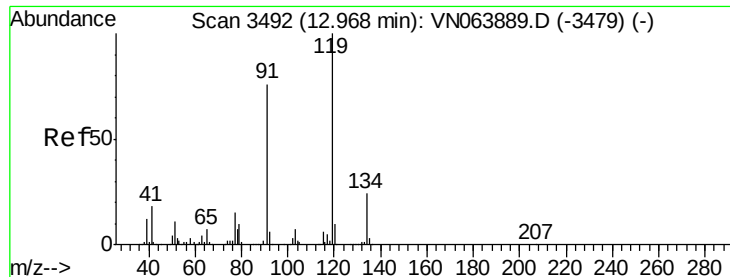
126 31.8 0.0 62.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

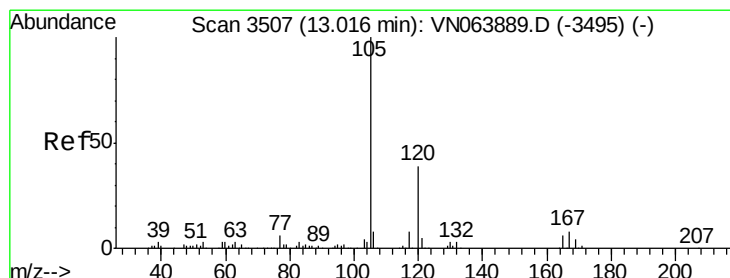
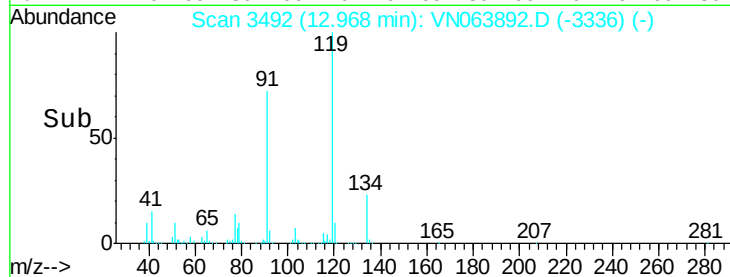
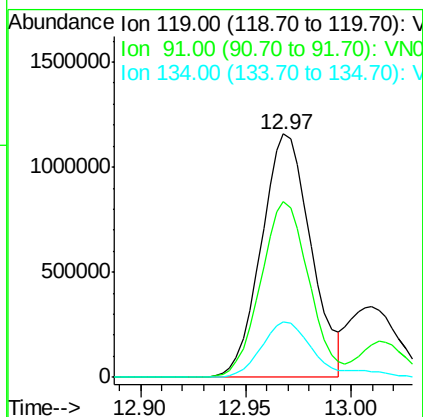
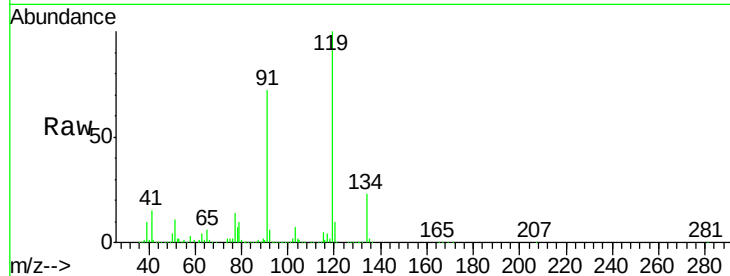




#79
 tert-butylbenzene
 Concen: 138.908 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN063892.D
 Acq: 6 Oct 2020 12:03

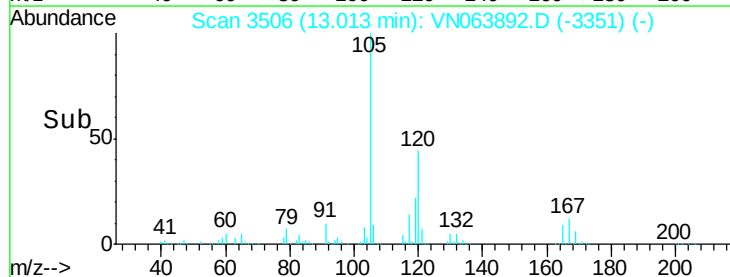
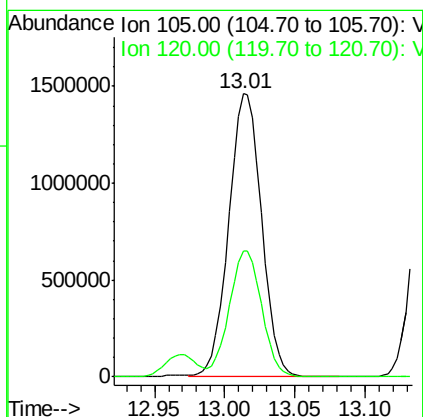
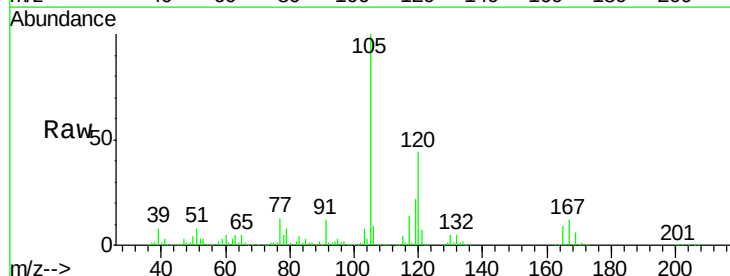
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

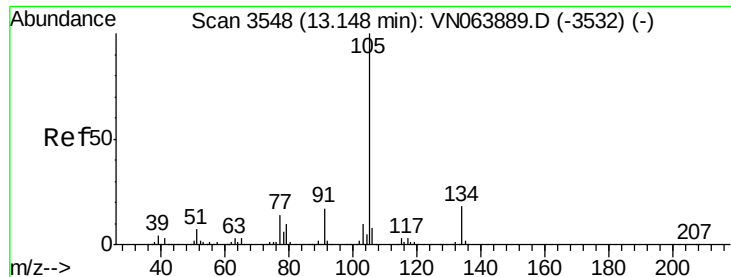
Tgt Ion:119 Resp: 1894623
 Ion Ratio Lower Upper
 119 100
 91 70.4 0.0 145.6
 134 23.1 0.0 47.8



#80
 1,2,4-Trimethylbenzene
 Concen: 148.066 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN063892.D
 Acq: 6 Oct 2020 12:03

Tgt Ion:105 Resp: 2375695
 Ion Ratio Lower Upper
 105 100
 120 44.0 0.0 85.4





#81

sec-Butylbenzene

Concen: 133.644 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN063892.D

Acq: 6 Oct 2020 12:03

Instrument :

MSVOA_N

ClientSampleId :

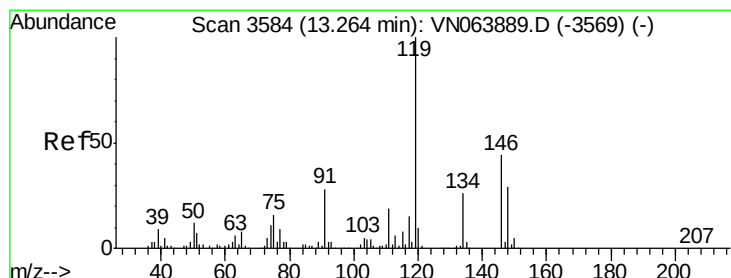
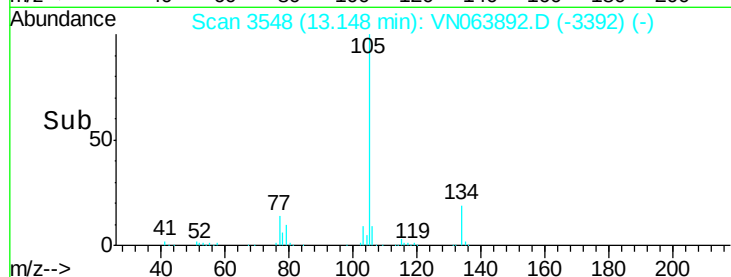
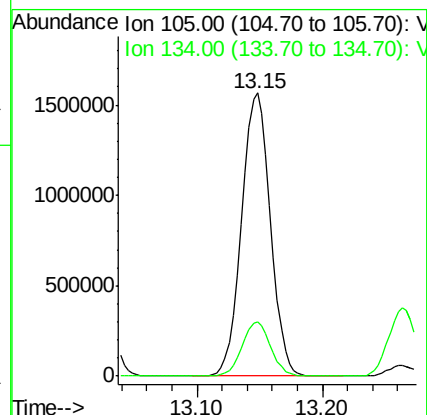
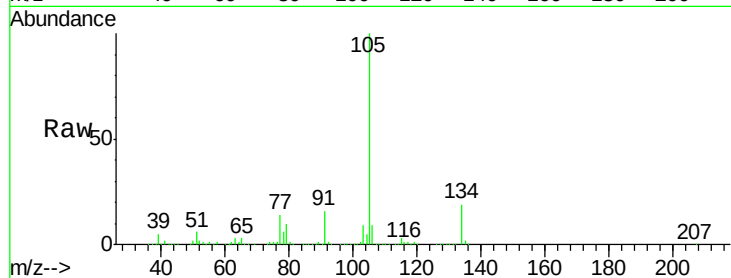
VSTDIC150

Tgt Ion:105 Resp: 2492042

Ion Ratio Lower Upper

105 100

134 18.9 0.0 36.8



#82

p-Isopropyltoluene

Concen: 138.525 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN063892.D

Acq: 6 Oct 2020 12:03

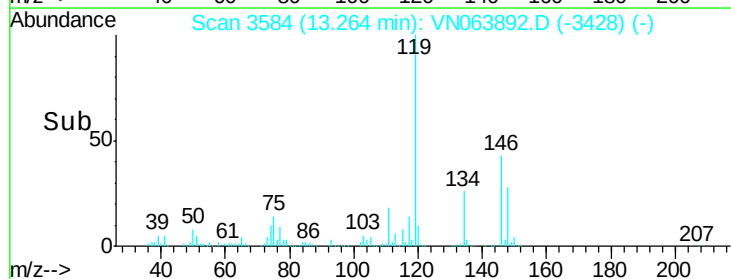
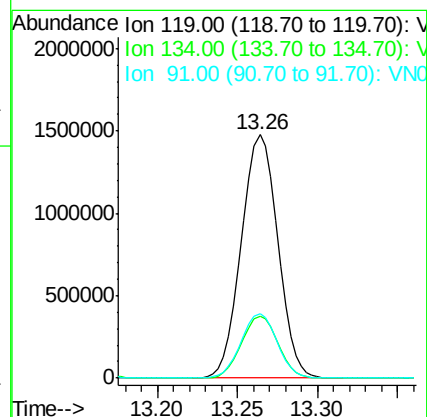
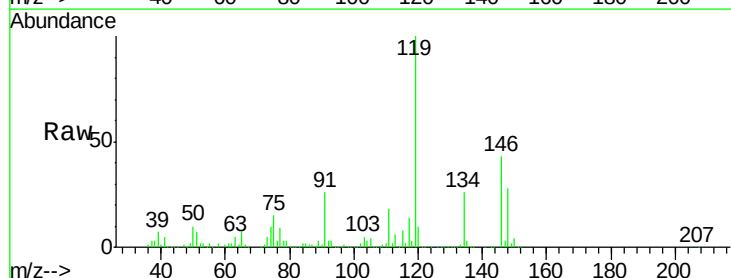
Tgt Ion:119 Resp: 2293831

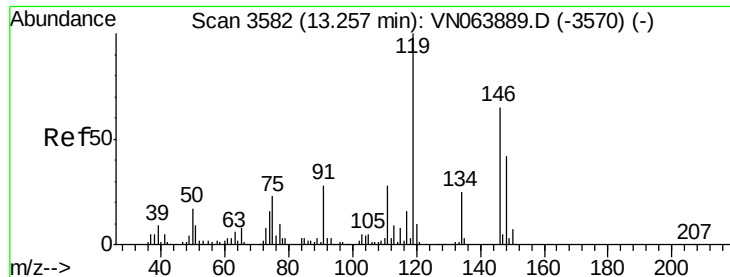
Ion Ratio Lower Upper

119 100

134 25.4 0.0 50.6

91 26.1 0.0 55.2

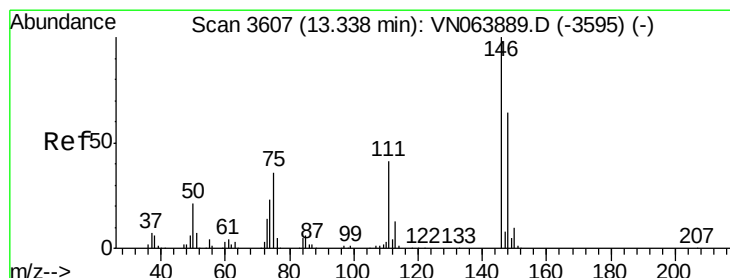
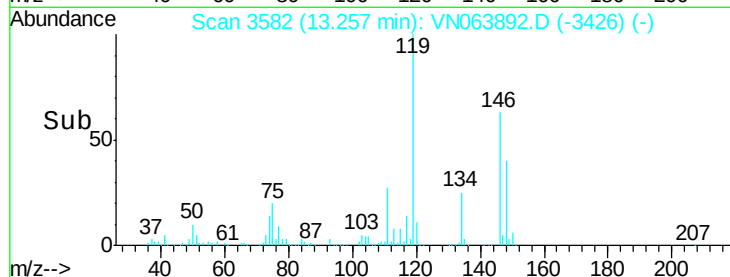
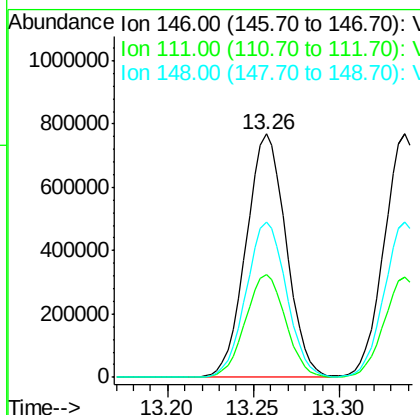
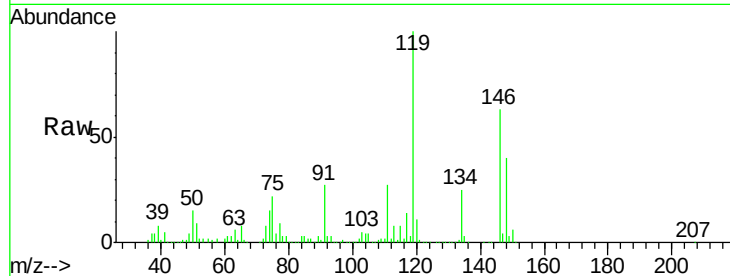




#83
 1,3-Dichlorobenzene
 Concen: 139.240 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN063892.D
 Acq: 6 Oct 2020 12:03

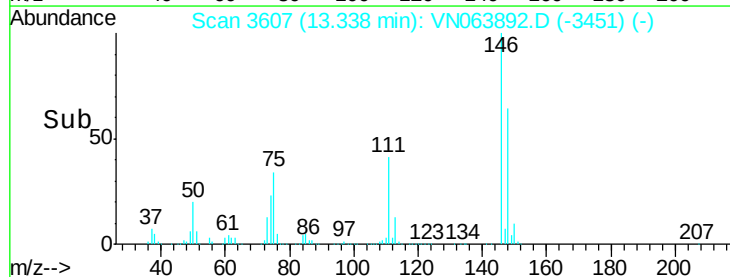
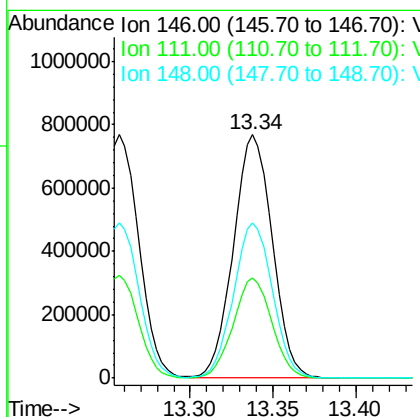
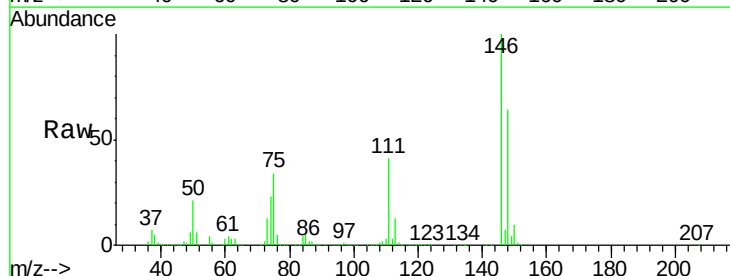
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

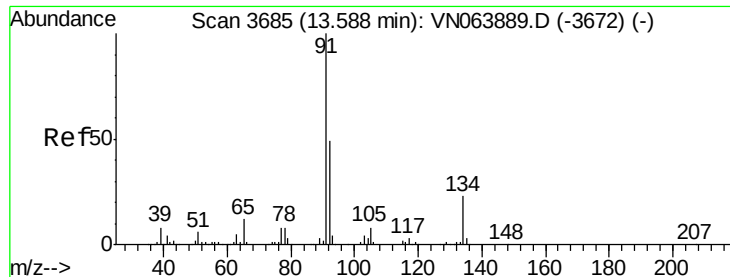
Tgt Ion:146 Resp: 1244208
 Ion Ratio Lower Upper
 146 100
 111 42.2 21.6 64.8
 148 64.1 32.8 98.3



#84
 1,4-Dichlorobenzene
 Concen: 142.614 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN063892.D
 Acq: 6 Oct 2020 12:03

Tgt Ion:146 Resp: 1251113
 Ion Ratio Lower Upper
 146 100
 111 40.7 19.8 59.4
 148 64.2 32.6 98.0





#85

n-Butylbenzene

Concen: 145.648 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN063892.D

Acq: 6 Oct 2020 12:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

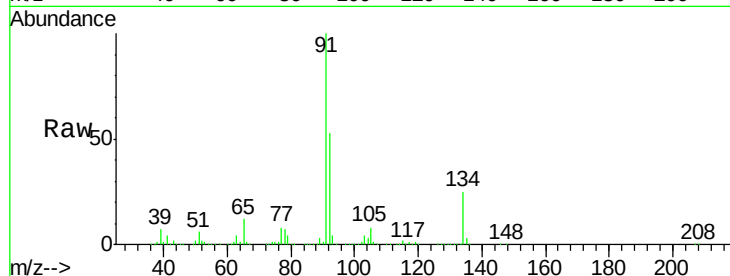
Tgt Ion: 91 Resp: 2045614

Ion Ratio Lower Upper

91 100

92 52.2 0.0 98.2

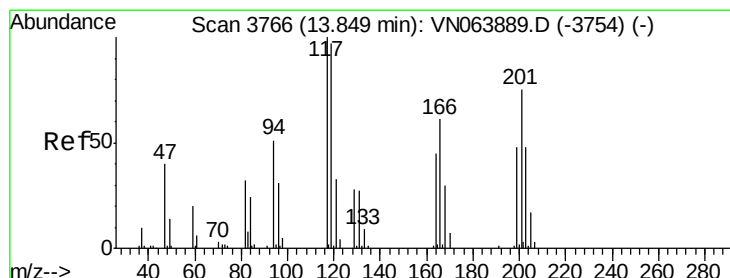
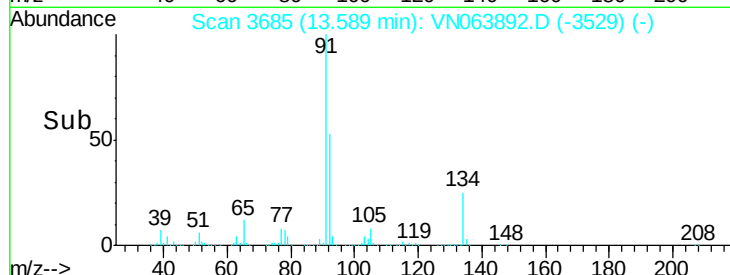
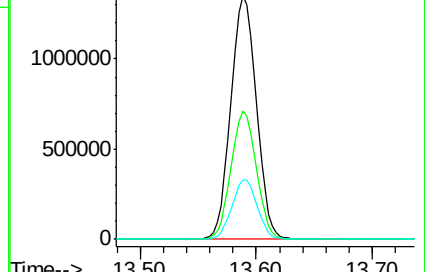
134 24.4 0.0 45.8



Abundance Ion 91.00 (90.70 to 91.70): VN063889.D (-3672) (-)

Ion 92.00 (91.70 to 92.70): VN063889.D (-3672) (-)

Ion 134.00 (133.70 to 134.70): VN063889.D (-3672) (-)



#86

Hexachloroethane

Concen: 121.954 ug/l

RT: 13.85 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN063892.D

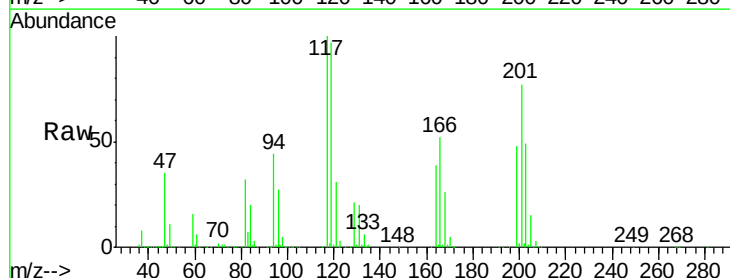
Acq: 6 Oct 2020 12:03

Tgt Ion: 117 Resp: 386445

Ion Ratio Lower Upper

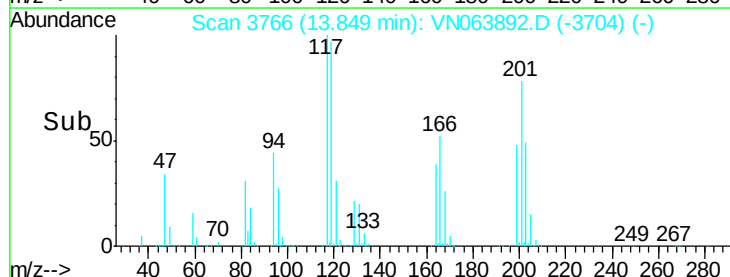
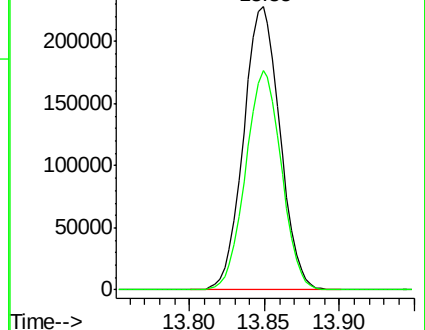
117 100

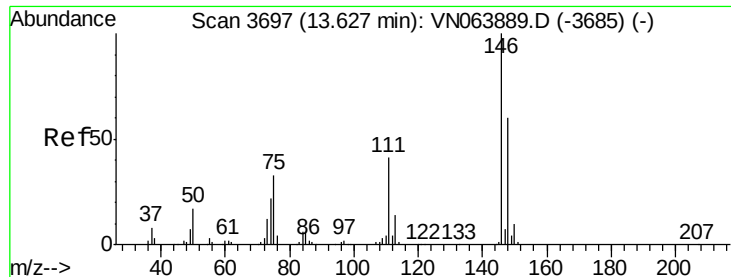
201 76.1 36.6 109.9



Abundance Ion 117.00 (116.70 to 117.70): VN063889.D (-3754) (-)

Ion 201.00 (200.70 to 201.70): VN063889.D (-3754) (-)

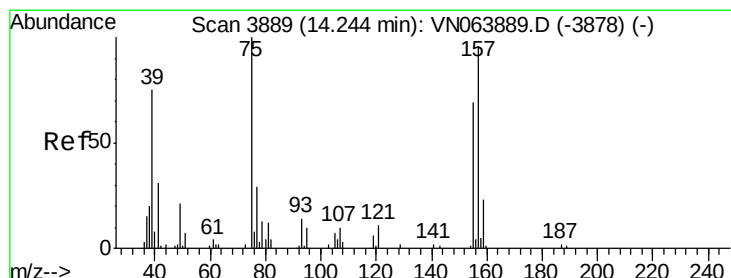
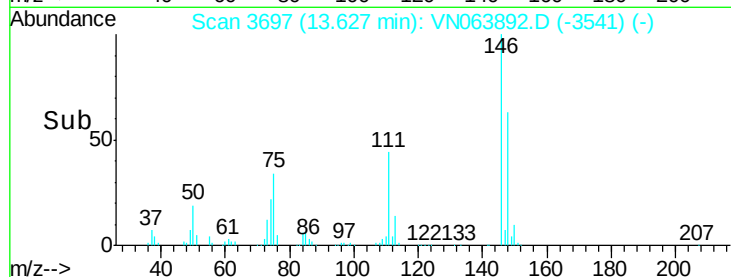
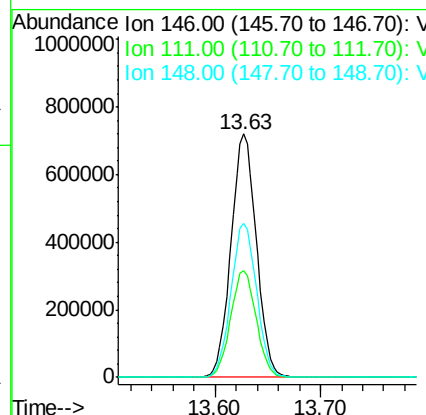
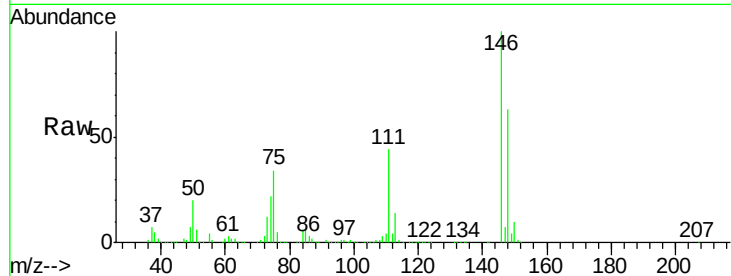




#87
 1,2-Dichlorobenzene
 Concen: 138.812 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN063892.D
 Acq: 6 Oct 2020 12:03

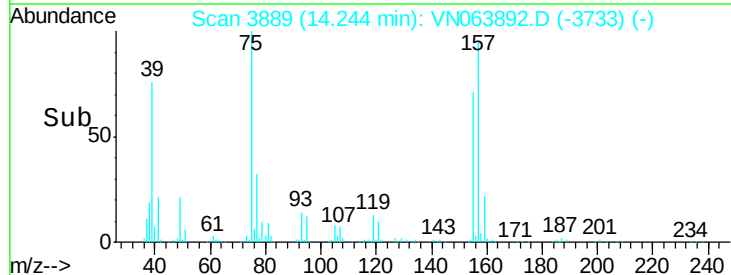
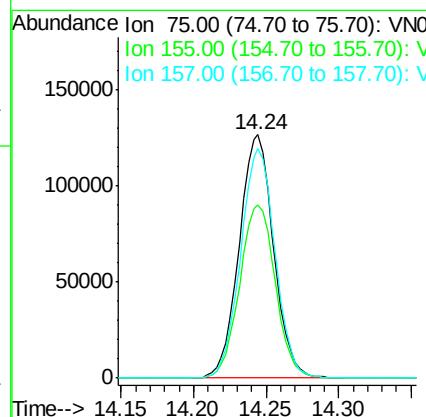
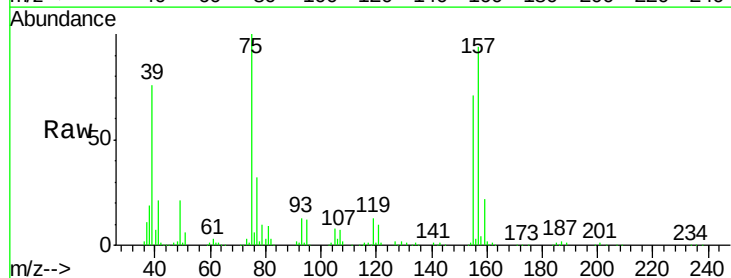
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

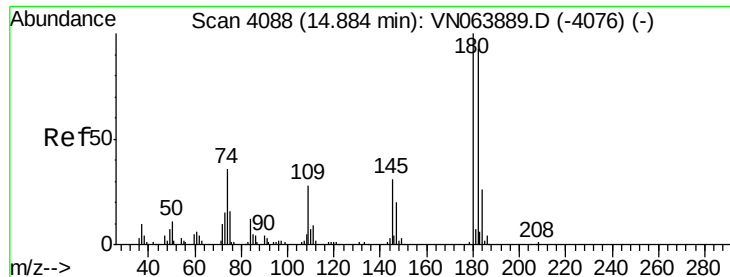
Tgt Ion:146 Resp: 1195363
 Ion Ratio Lower Upper
 146 100
 111 44.1 21.3 63.7
 148 64.0 31.6 95.0



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 194.015 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063892.D
 Acq: 6 Oct 2020 12:03

Tgt Ion: 75 Resp: 208888
 Ion Ratio Lower Upper
 75 100
 155 73.7 55.4 83.2
 157 94.3 73.6 110.4

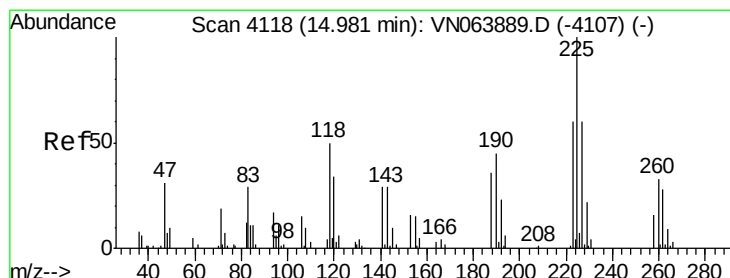
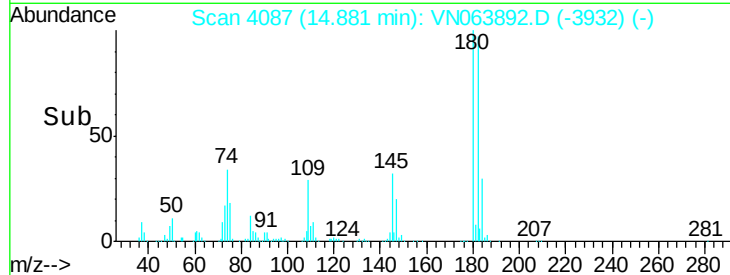
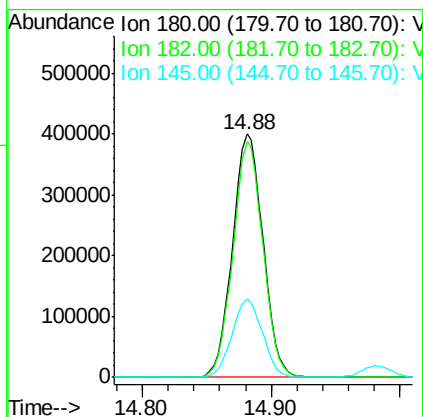
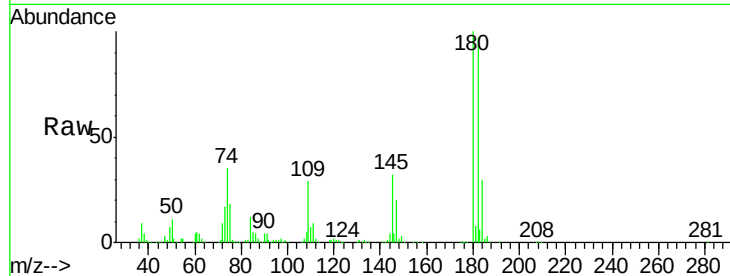




#89
 1,2,4-Trichlorobenzene
 Concen: 151.086 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN063892.D
 Acq: 6 Oct 2020 12:03

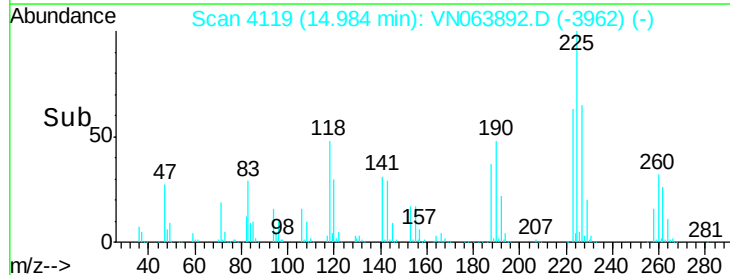
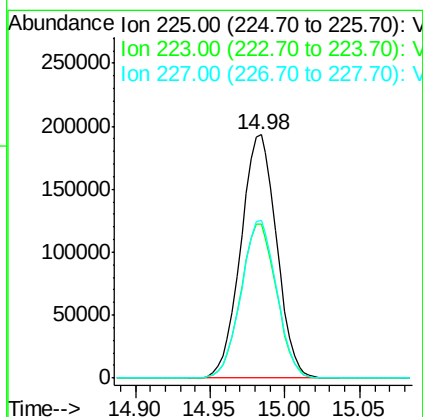
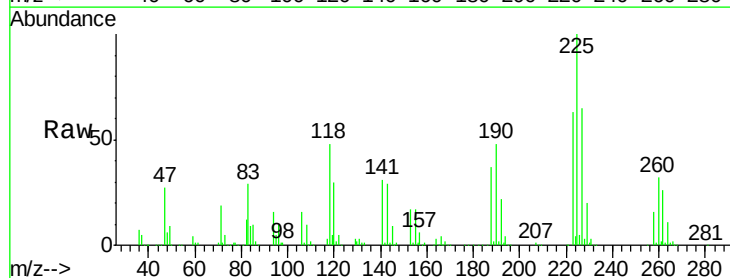
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

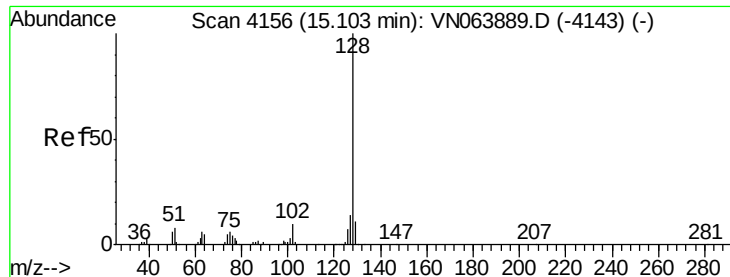
Tgt Ion:180 Resp: 656724
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.8 115.2
 145 32.2 26.0 39.0



#90
 Hexachlorobutadiene
 Concen: 107.105 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN063892.D
 Acq: 6 Oct 2020 12:03

Tgt Ion:225 Resp: 321581
 Ion Ratio Lower Upper
 225 100
 223 63.5 0.0 124.8
 227 64.3 0.0 121.4





#91

Naphthalene

Concen: 194.981 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN063892.D

Acq: 6 Oct 2020 12:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

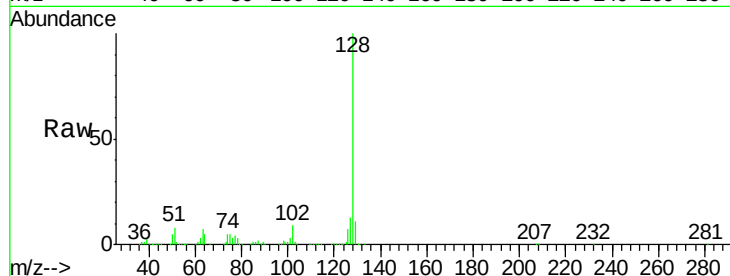
Tgt Ion:128 Resp: 2045740

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

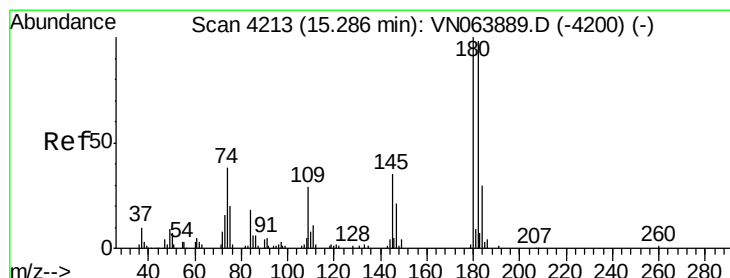
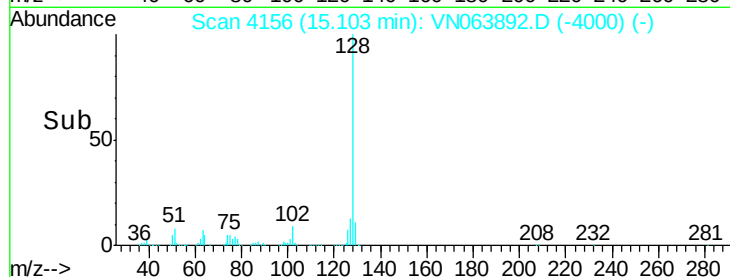
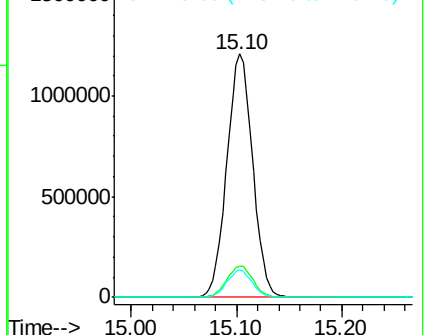
129 10.9 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 145.592 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN063892.D

Acq: 6 Oct 2020 12:03

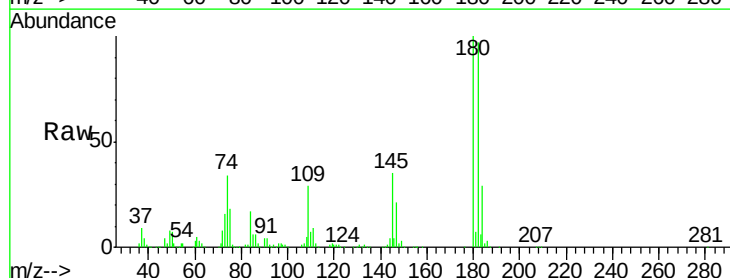
Tgt Ion:180 Resp: 628490

Ion Ratio Lower Upper

180 100

182 96.3 0.0 196.0

145 34.6 0.0 71.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

