

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090420\
 Data File : VN063241.D
 Acq On : 4 Sep 2020 12:37
 Operator : JC/MD
 Sample : VN0904MBS01
 Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0904MBS01

Quant Time: Sep 05 07:28:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N083120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 01 04:21:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	321702	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	596099	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	556791	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	245867	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	240646	45.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.52%	
35) Dibromofluoromethane	7.55	113	177885	46.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.02%	
50) Toluene-d8	10.06	98	692934	47.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.16%	
62) 4-Bromofluorobenzene	12.38	95	230719	44.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.62%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.83	85	52944	16.711	ug/l 93
3) Chloromethane	2.04	50	77606	16.822	ug/l 100
4) Vinyl Chloride	2.17	62	85591	16.795	ug/l 97
5) Bromomethane	2.54	94	83453	19.454	ug/l 100
6) Chloroethane	2.68	64	78162	19.290	ug/l 100
7) Trichlorofluoromethane	2.98	101	133682	16.422	ug/l 98
8) Diethyl Ether	3.38	74	41194	16.895	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	66098	19.082	ug/l 97
10) Methyl Iodide	3.91	142	75804	16.046	ug/l 99
11) Tert butyl alcohol	4.72	59	56858	88.080	ug/l 98
12) 1,1-Dichloroethene	3.70	96	61574	17.445	ug/l 97
13) Acrolein	3.57	56	13049	65.516	ug/l 93
14) Allyl chloride	4.28	41	105688	16.860	ug/l 93
15) Acrylonitrile	4.93	53	158103	89.000	ug/l 99
16) Acetone	3.78	43	148355	99.237	ug/l 98
17) Carbon Disulfide	4.02	76	166551	15.854	ug/l 98
18) Methyl Acetate	4.28	43	77668	20.262	ug/l 100
19) Methyl tert-butyl Ether	4.99	73	227125	17.346	ug/l 99
20) Methylene Chloride	4.51	84	76122	17.792	ug/l 88
21) trans-1,2-Dichloroethene	4.99	96	67397	17.284	ug/l 91
22) Diisopropyl ether	5.90	45	241426	17.187	ug/l 96
23) Vinyl Acetate	5.85	43	985521	87.926	ug/l 99
24) 1,1-Dichloroethane	5.80	63	139853	18.060	ug/l 98
25) 2-Butanone	6.78	43	222721	96.217	ug/l 96
26) 2,2-Dichloropropane	6.78	77	123036	17.536	ug/l 99
27) cis-1,2-Dichloroethene	6.79	96	81304	17.154	ug/l 97
28) Bromochloromethane	7.15	49	62710	15.500	ug/l 98
29) Tetrahydrofuran	7.17	42	141426	88.360	ug/l 97
30) Chloroform	7.33	83	143844	17.754	ug/l 96
31) Cyclohexane	7.61	56	118498	16.178	ug/l 97
32) 1,1,1-Trichloroethane	7.53	97	123535	17.694	ug/l 97
36) 1,1-Dichloropropene	7.75	75	105547	18.418	ug/l 98
37) Ethyl Acetate	6.88	43	95070	17.816	ug/l # 95
38) Carbon Tetrachloride	7.74	117	102091	17.567	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	114699	17.816	ug/l	98
40) Benzene	8.00	78	312041	18.530	ug/l	100
41) Methacrylonitrile	7.12	41	31085	12.876	ug/l #	60
42) 1,2-Dichloroethane	8.09	62	118699	18.870	ug/l	99
43) Isopropyl Acetate	8.13	43	171351	18.335	ug/l #	91
44) Trichloroethene	8.80	130	81917	20.055	ug/l	99
45) 1,2-Dichloropropane	9.09	63	80818	18.126	ug/l	94
46) Dibromomethane	9.17	93	55634	18.829	ug/l	97
47) Bromodichloromethane	9.37	83	114505	18.080	ug/l	100
48) Methyl methacrylate	9.17	41	75863	18.007	ug/l	92
49) 1,4-Dioxane	9.17	88	25309	388.390	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	507075	99.846	ug/l	99
52) Toluene	10.13	92	197968	18.871	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	121532	17.543	ug/l	95
54) cis-1,3-Dichloropropene	9.81	75	130922	18.004	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	74793	18.617	ug/l	99
56) Ethyl methacrylate	10.40	69	107236	17.539	ug/l	97
57) 1,3-Dichloropropane	10.68	76	135650	18.953	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.67	63	261059	82.456	ug/l	100
59) 2-Hexanone	10.72	43	361990	101.422	ug/l	98
60) Dibromochloromethane	10.87	129	80085	18.031	ug/l	99
61) 1,2-Dibromoethane	10.98	107	79075	18.934	ug/l	100
64) Tetrachloroethene	10.60	164	81515	20.387	ug/l	95
65) Chlorobenzene	11.41	112	209179	18.653	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	74574	17.911	ug/l	98
67) Ethyl Benzene	11.49	91	377409	18.448	ug/l	98
68) m/p-Xylenes	11.60	106	283646	37.434	ug/l	99
69) o-Xylene	11.92	106	135871	18.562	ug/l	98
70) Styrene	11.94	104	225569	17.931	ug/l	99
71) Bromoform	12.10	173	47948	16.969	ug/l #	99
73) Isopropylbenzene	12.23	105	362079	19.201	ug/l	99
74) N-amyl acetate	12.05	43	140400	17.974	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	103977	19.125	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	137524	28.468	ug/l #	100
77) Bromobenzene	12.50	156	81167	19.032	ug/l	97
78) n-propylbenzene	12.57	91	419516	19.225	ug/l	100
79) 2-Chlorotoluene	12.65	91	243938	18.664	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	297603	18.960	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	32550	16.286	ug/l	94
82) 4-Chlorotoluene	12.75	91	247163	18.234	ug/l	100
83) tert-Butylbenzene	12.97	119	251058	18.650	ug/l	98
84) 1,2,4-Trimethylbenzene	13.02	105	300801	19.012	ug/l	100
85) sec-Butylbenzene	13.15	105	340576	19.412	ug/l	99
86) p-Isopropyltoluene	13.26	119	302847	19.443	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	152809	19.504	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	148340	18.285	ug/l	97
89) n-Butylbenzene	13.59	91	268440	18.655	ug/l	99
90) Hexachloroethane	13.85	117	47915	16.618	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	150855	19.842	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	21209	17.744	ug/l	96

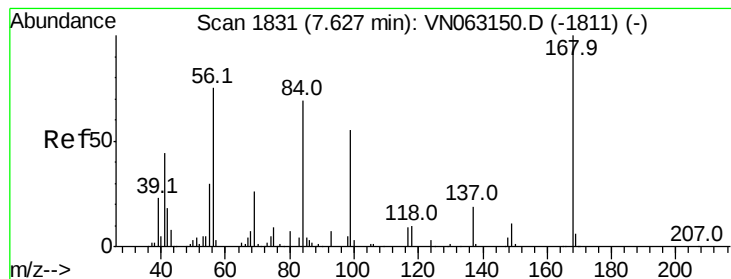
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090420\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	78937	18.584	ug/l	96
94) Hexachlorobutadiene	14.98	225	29536	18.614	ug/l	99
95) Naphthalene	15.11	128	248205	17.514	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	75641	18.278	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

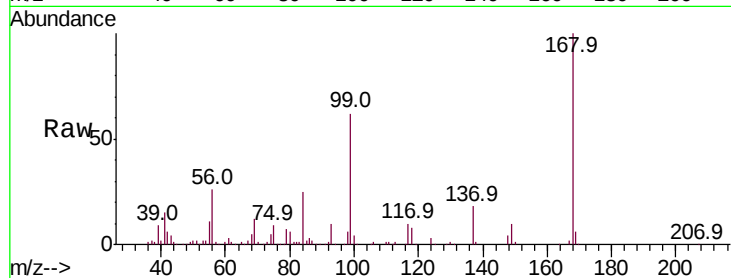
VN0904MBS01

Tot Ion:168 Resp: 321702

Ion Ratio Lower Upper

168 100

99 61.9 54.2 81.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

150000

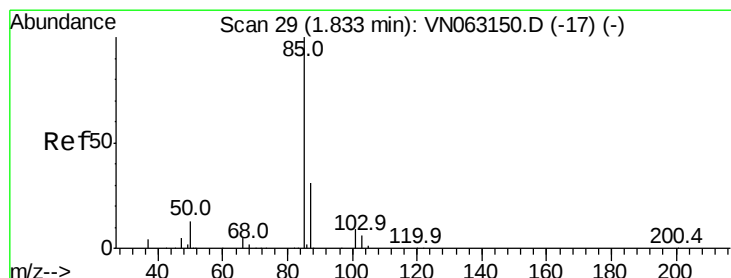
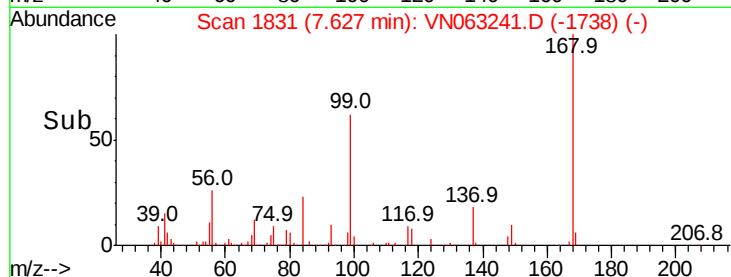
100000

50000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 16.711 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063241.D

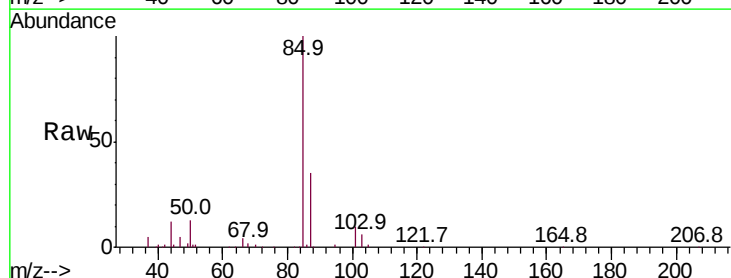
Acq: 4 Sep 2020 12:37

Tgt Ion: 85 Resp: 52944

Ion Ratio Lower Upper

85 100

87 34.8 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

40000

30000

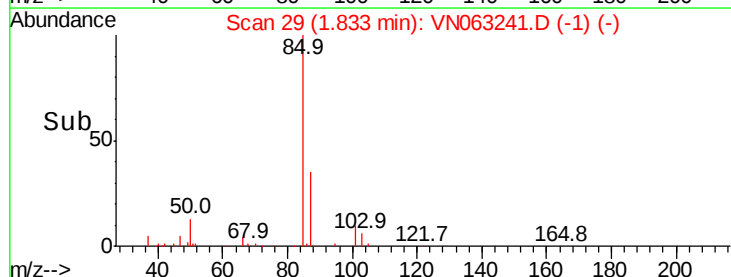
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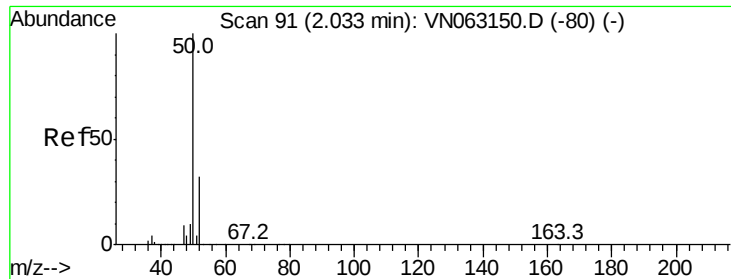
10000

0

1.80 1.85

Time-->





#3

Chloromethane

Concen: 16.822 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

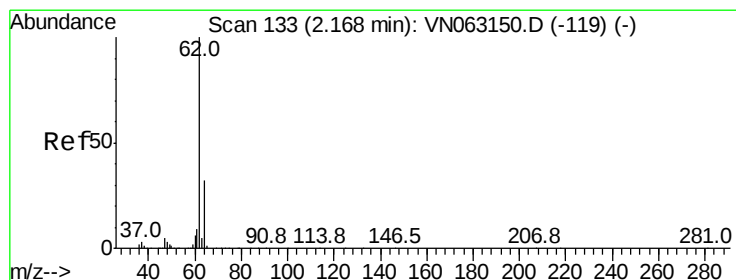
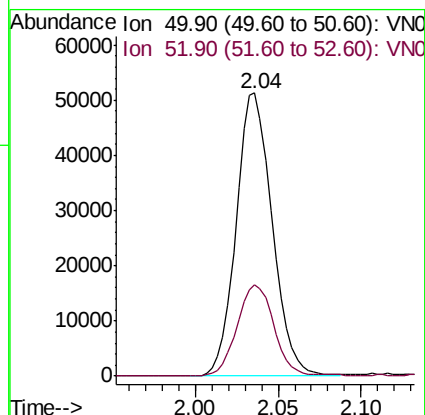
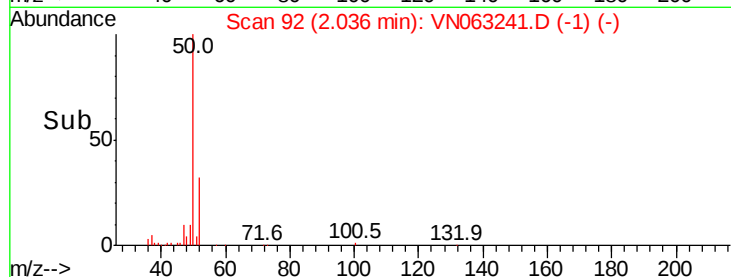
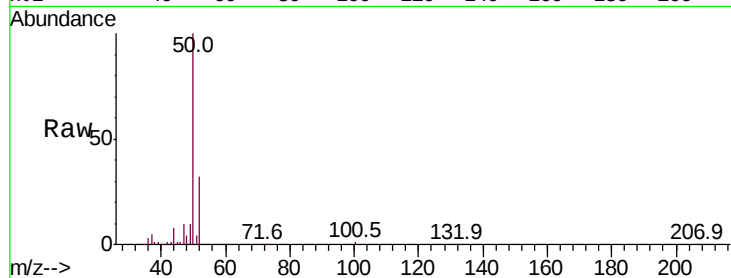
VN0904MBS01

Tot Ion: 50 Resp: 77606

Ion Ratio Lower Upper

50 100

52 32.2 25.8 38.6



#4

Vinyl Chloride

Concen: 16.795 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN063241.D

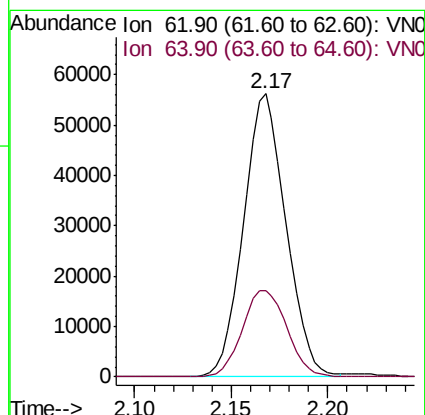
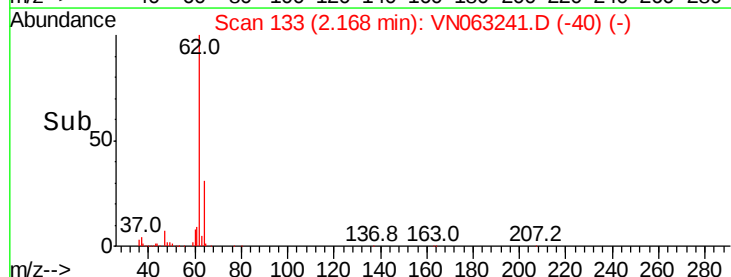
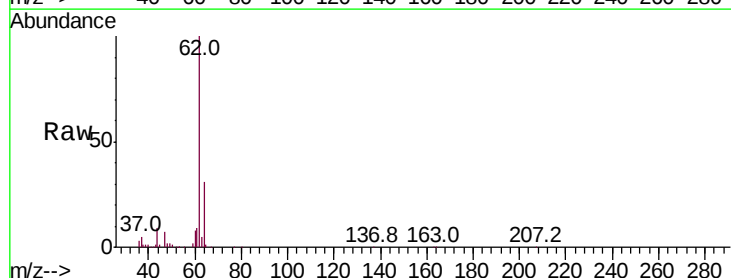
Acq: 4 Sep 2020 12:37

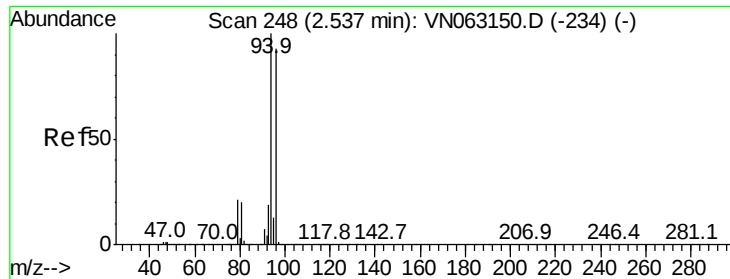
Tgt Ion: 62 Resp: 85591

Ion Ratio Lower Upper

62 100

64 30.6 25.8 38.8





#5

Bromomethane

Concen: 19.454 ug/l

RT: 2.54 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

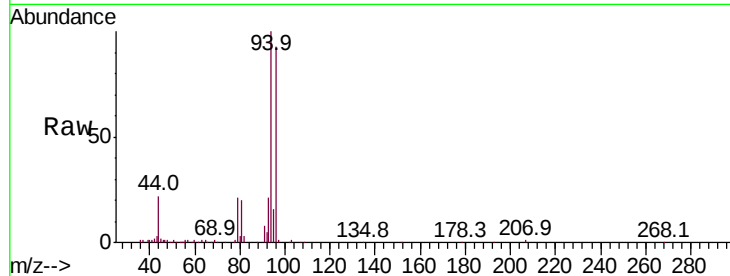
VN0904MBS01

Tot Ion: 94 Resp: 83453

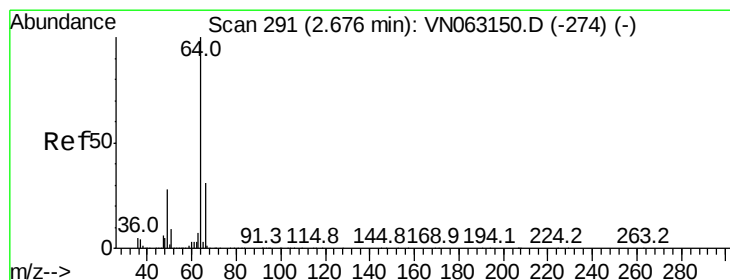
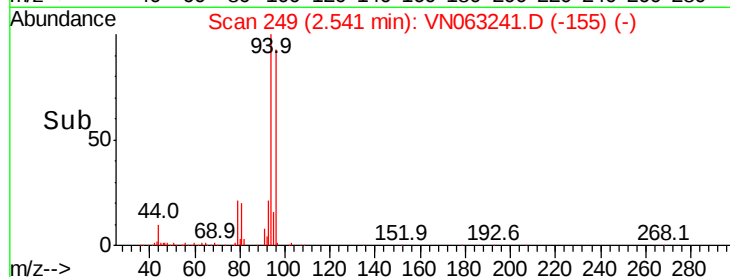
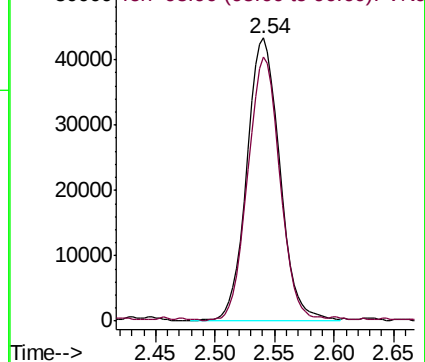
Ion Ratio Lower Upper

94 100

96 93.1 74.4 111.6



Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 19.290 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN063241.D

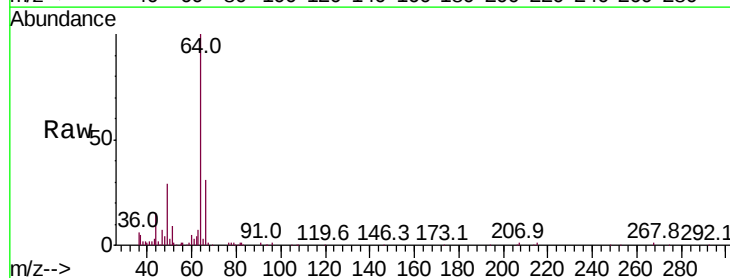
Acq: 4 Sep 2020 12:37

Tgt Ion: 64 Resp: 78162

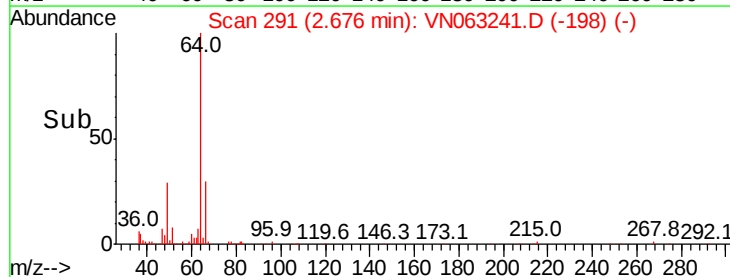
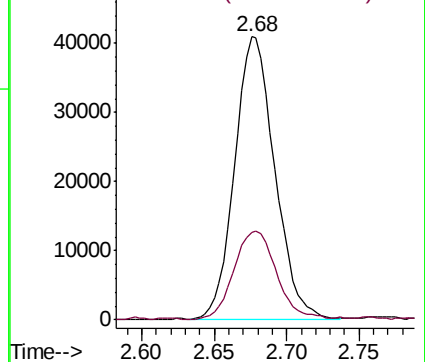
Ion Ratio Lower Upper

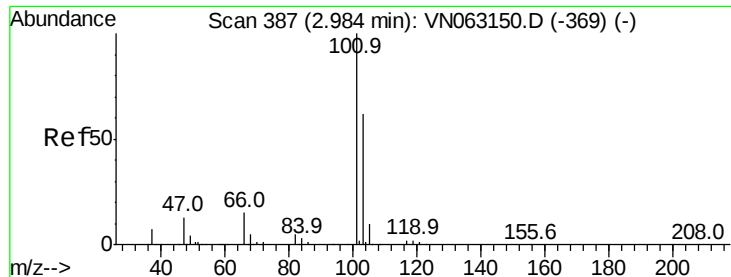
64 100

66 30.9 24.7 37.1



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO



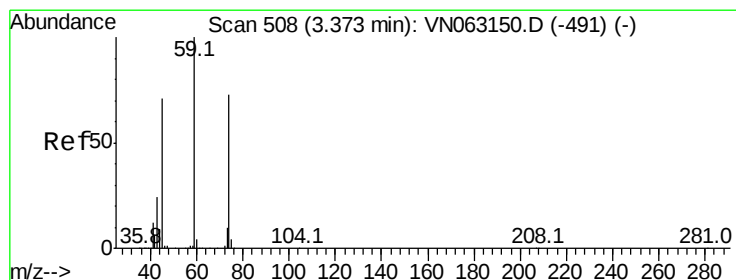
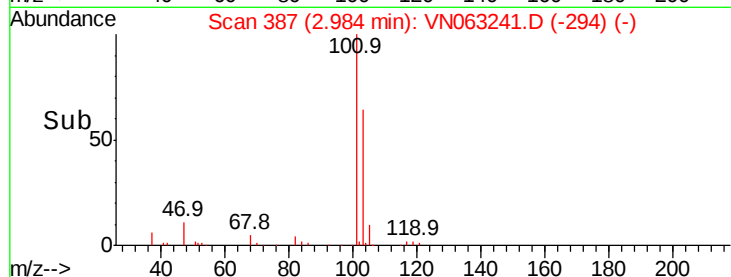
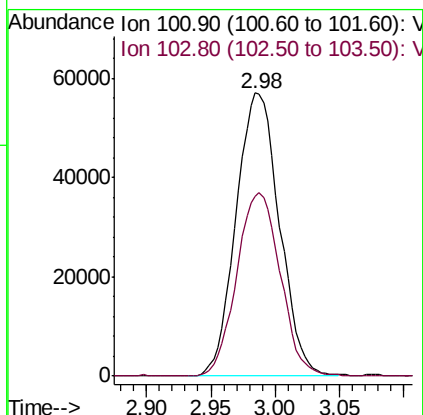
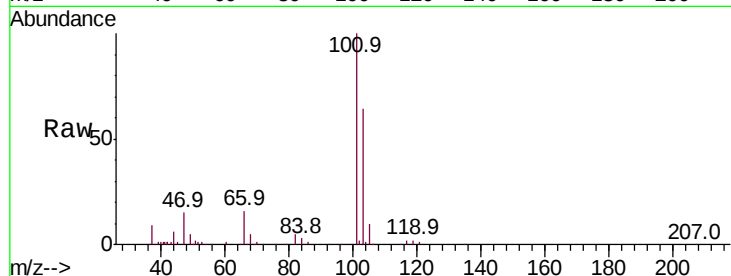


#7

Trichlorofluoromethane
 Concen: 16.422 ug/l
 RT: 2.98 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN063241.D
 Acq: 4 Sep 2020 12:37

Instrument :
 MSVOA_N
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 VN0904MBS01

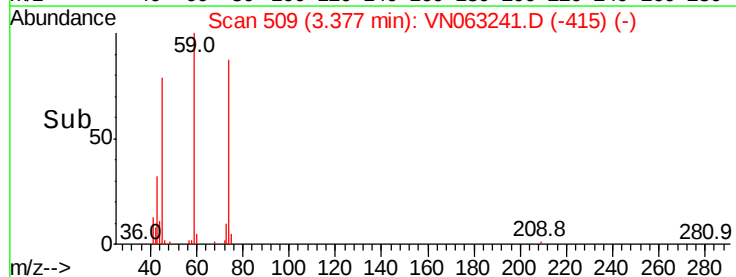
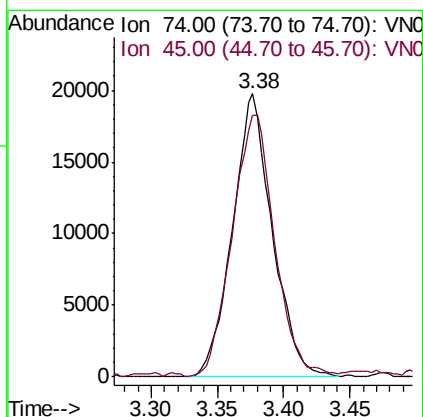
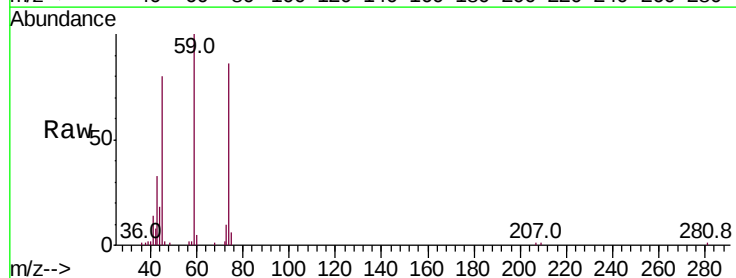
Tot Ion:101 Resp: 133682
 Ion Ratio Lower Upper
 101 100
 103 63.7 49.7 74.5

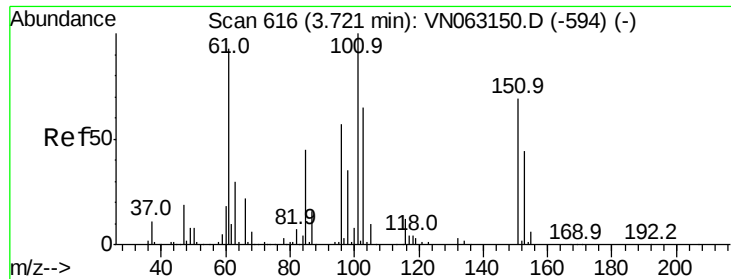


#8

Diethyl Ether
 Concen: 16.895 ug/l
 RT: 3.38 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN063241.D
 Acq: 4 Sep 2020 12:37

Tgt Ion: 74 Resp: 41194
 Ion Ratio Lower Upper
 74 100
 45 99.2 49.5 148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.082 ug/l

RT: 3.72 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VN0904MBS01

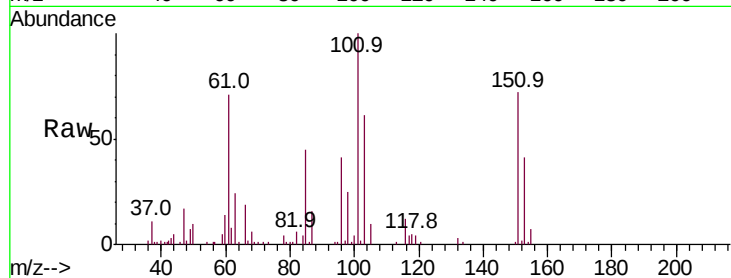
Tot Ion:101 Resp: 66098

Ion Ratio Lower Upper

101 100

85 46.3 37.8 56.8

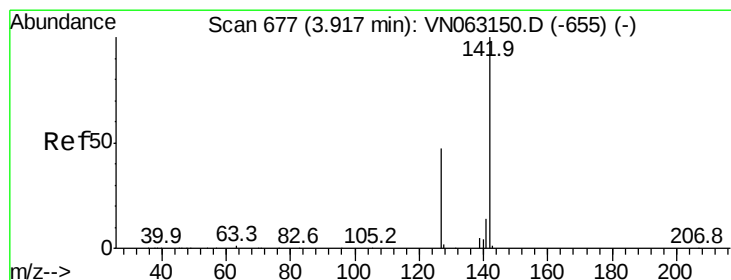
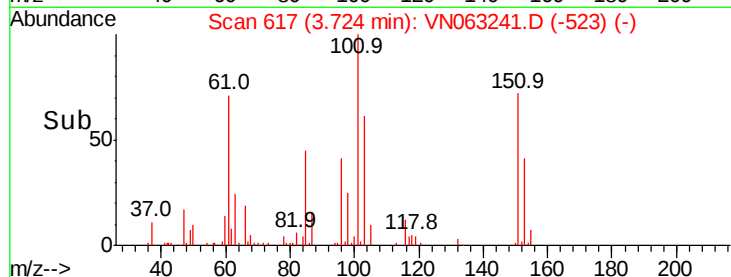
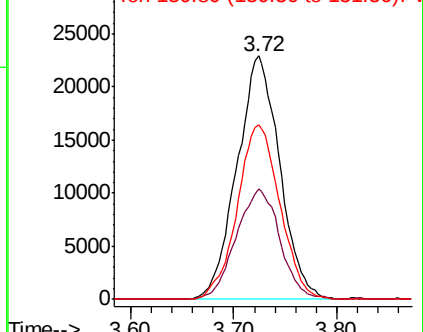
151 71.4 55.0 82.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.046 ug/l

RT: 3.91 min Scan# 675

Delta R.T. -0.01 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

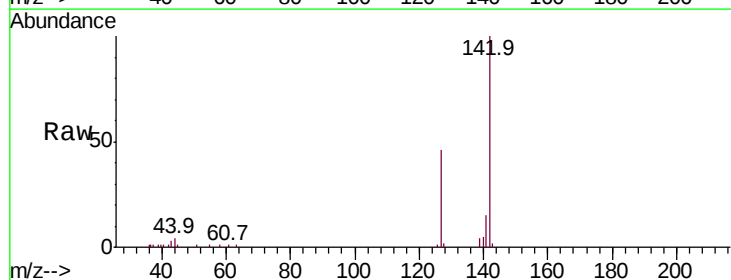
Tgt Ion:142 Resp: 75804

Ion Ratio Lower Upper

142 100

127 46.3 37.6 56.4

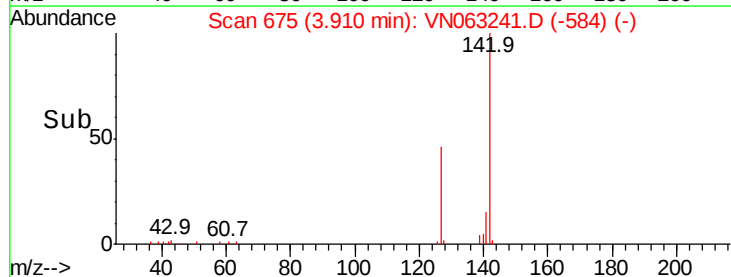
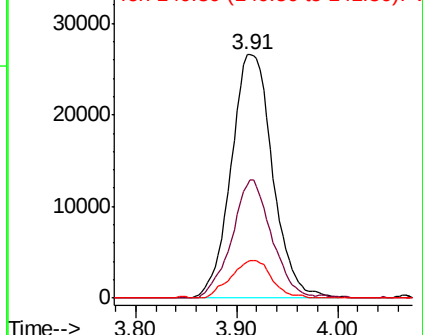
141 15.3 11.3 16.9

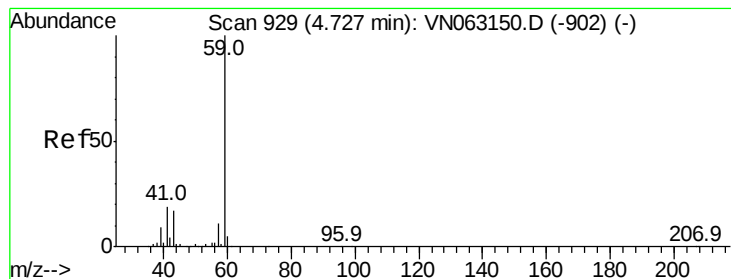


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 88.080 ug/l

RT: 4.72 min Scan# 927

Delta R.T. -0.01 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

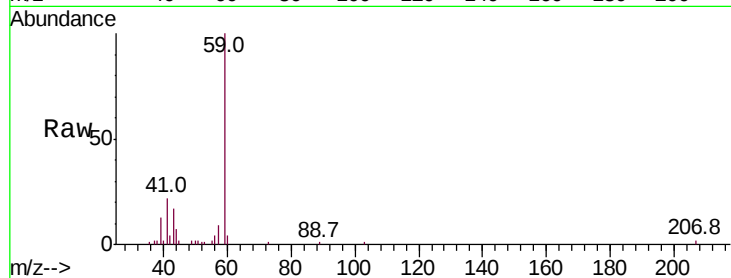
VN0904MBS01

Tot Ion: 59 Resp: 56858

Ion Ratio Lower Upper

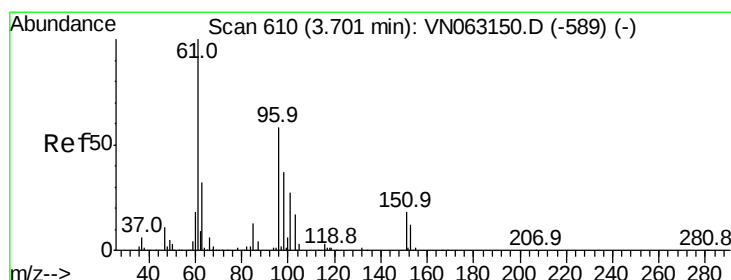
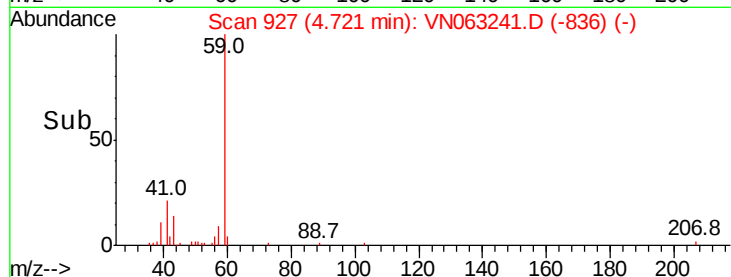
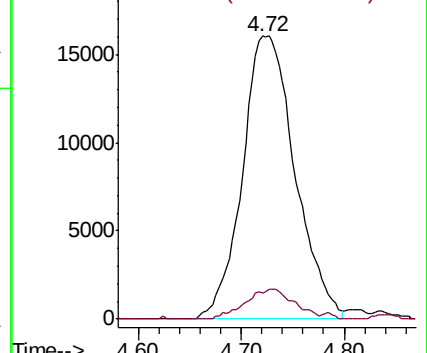
59 100

57 9.8 8.4 12.6



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#12

1,1-Dichloroethene

Concen: 17.445 ug/l

RT: 3.70 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

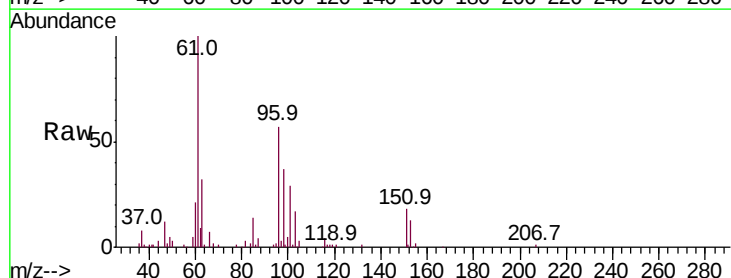
Tgt Ion: 96 Resp: 61574

Ion Ratio Lower Upper

96 100

61 176.4 137.4 206.2

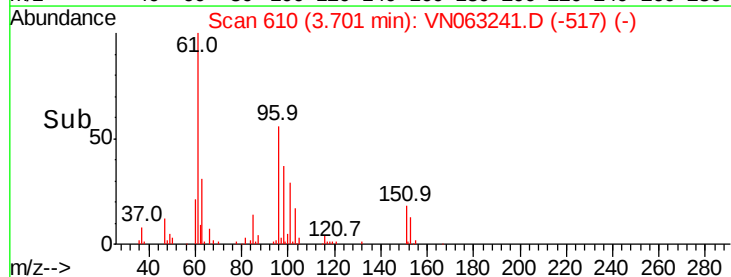
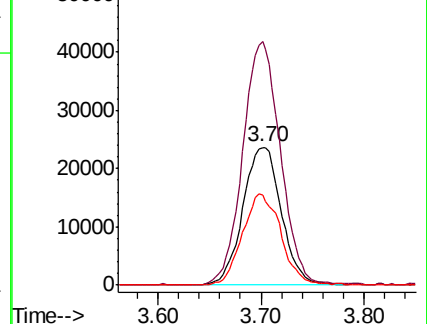
98 65.0 50.5 75.7

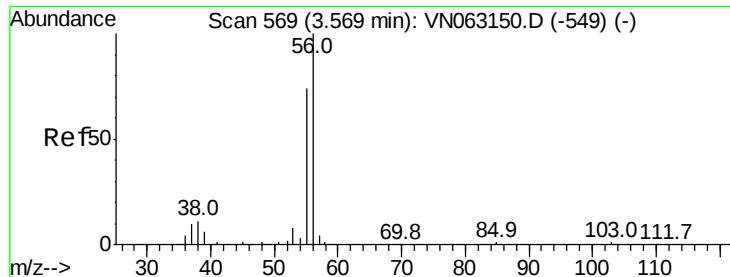


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 65.516 ug/l

RT: 3.57 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

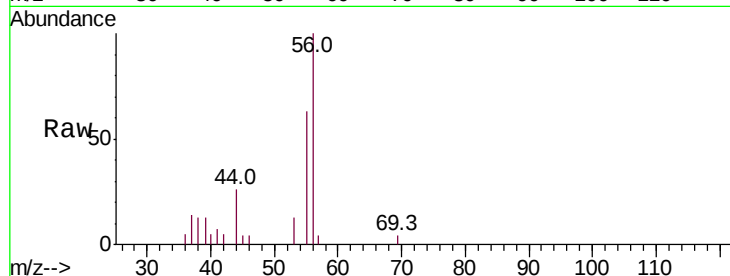
VN0904MBS01

Tot Ion: 56 Resp: 13049

Ion Ratio Lower Upper

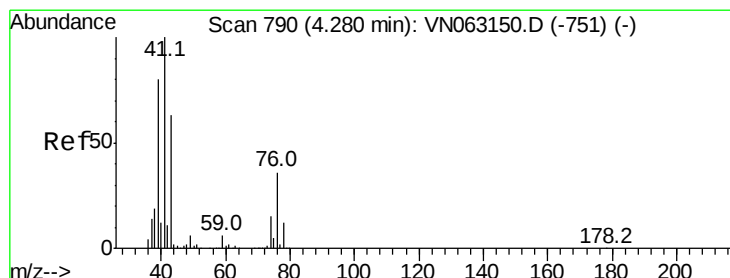
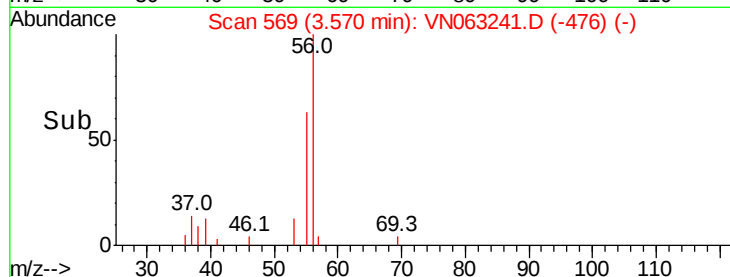
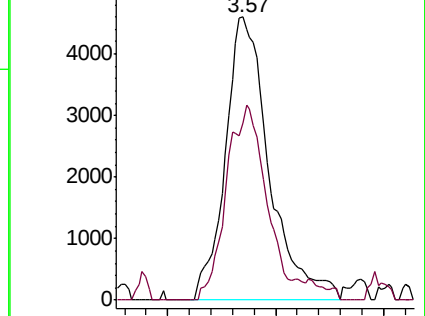
56 100

55 63.6 55.4 83.0



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 16.860 ug/l

RT: 4.28 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

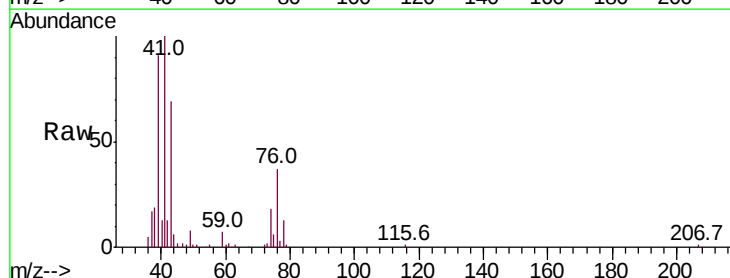
Tgt Ion: 41 Resp: 105688

Ion Ratio Lower Upper

41 100

39 82.0 60.2 90.2

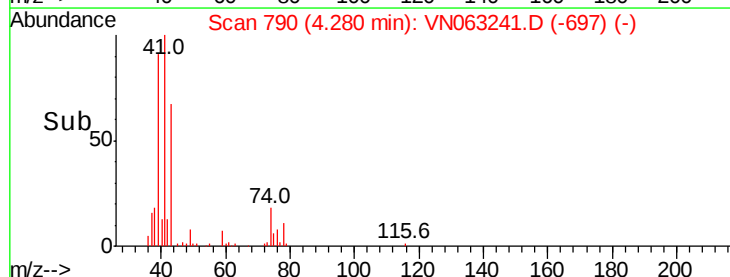
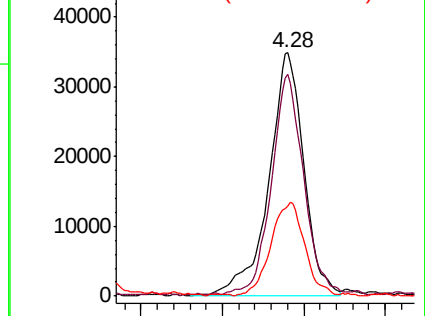
76 37.2 27.7 41.5

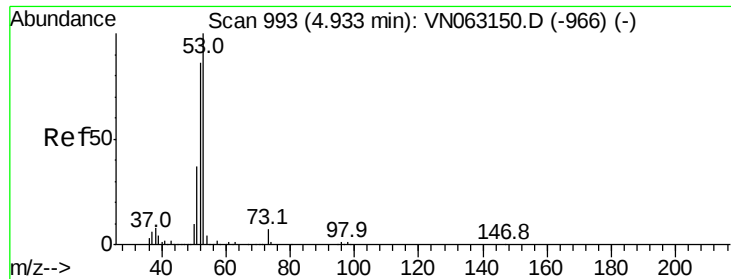


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 89.000 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VN0904MBS01

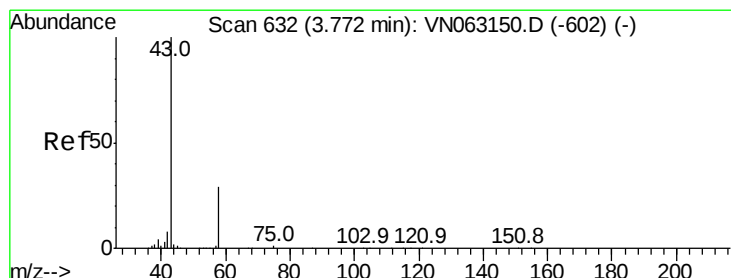
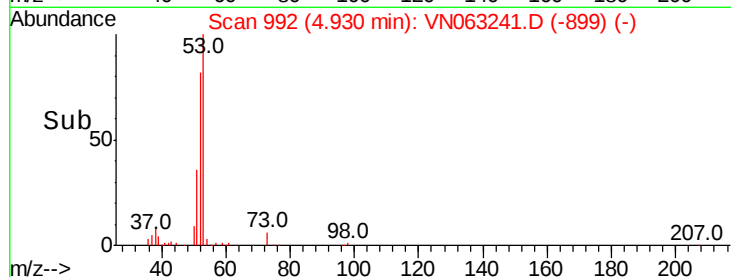
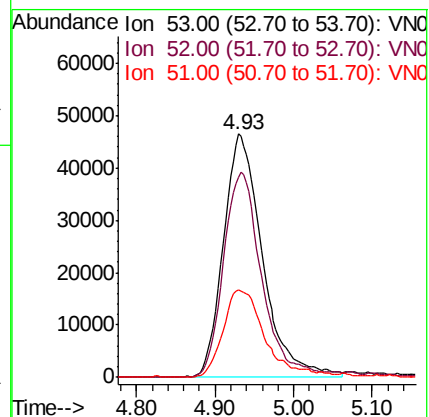
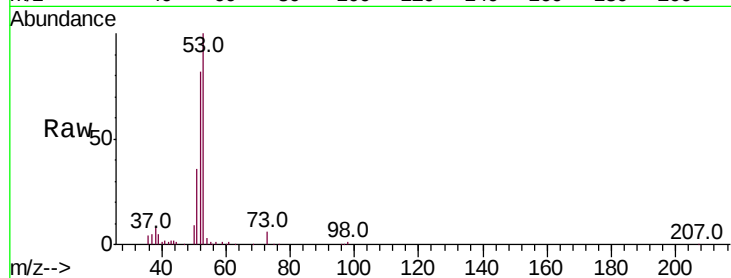
Tot Ion: 53 Resp: 158103

Ion Ratio Lower Upper

53 100

52 83.2 67.2 100.8

51 39.1 30.2 45.4



#16

Acetone

Concen: 99.237 ug/l

RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN063241.D

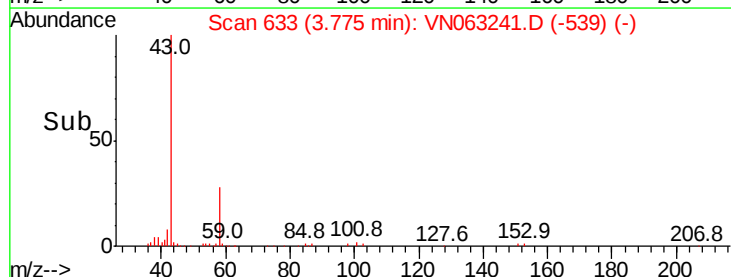
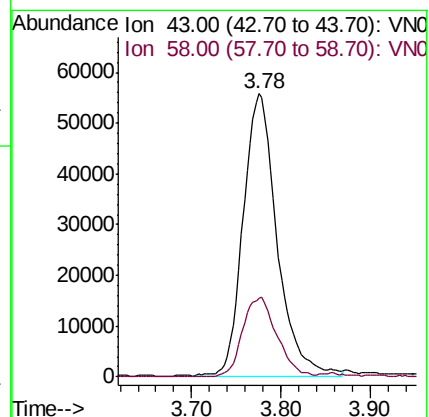
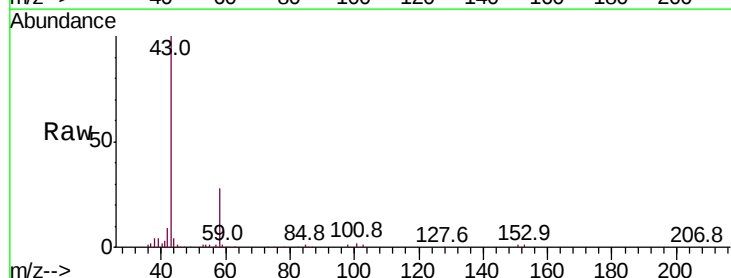
Acq: 4 Sep 2020 12:37

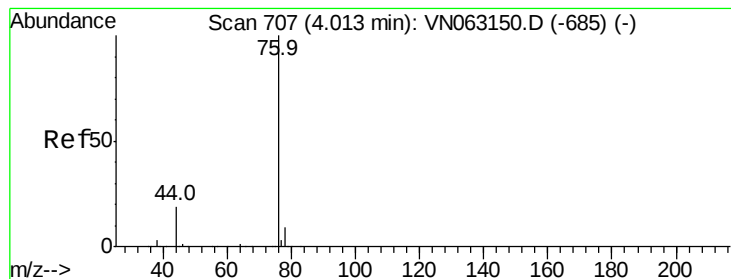
Tgt Ion: 43 Resp: 148355

Ion Ratio Lower Upper

43 100

58 27.7 23.1 34.7





#17

Carbon Disulfide

Concen: 15.854 ug/l

RT: 4.02 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

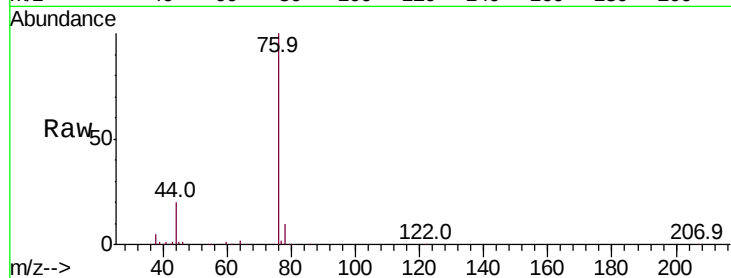
VN0904MBS01

Tot Ion: 76 Resp: 166551

Ion Ratio Lower Upper

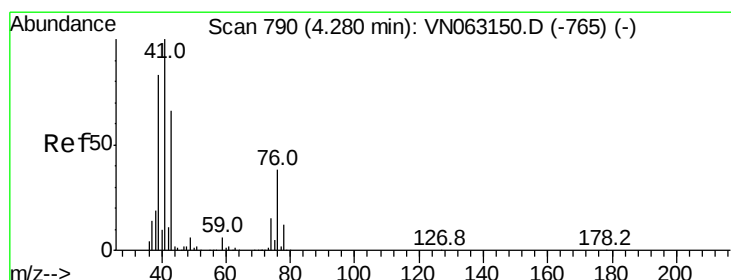
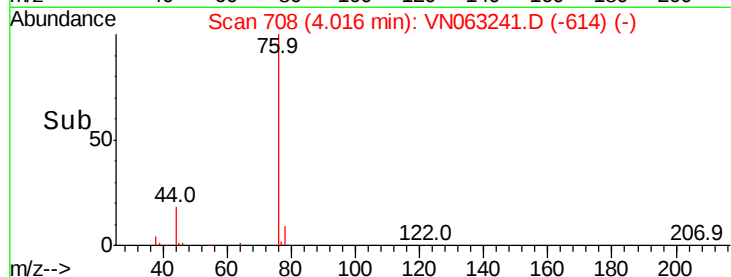
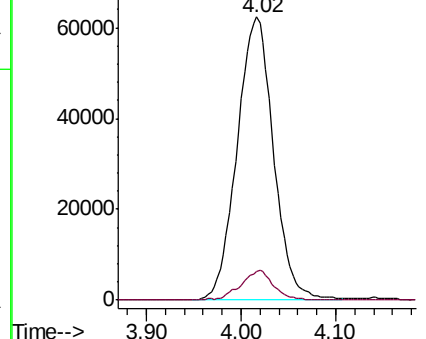
76 100

78 10.0 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 20.262 ug/l

RT: 4.28 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN063241.D

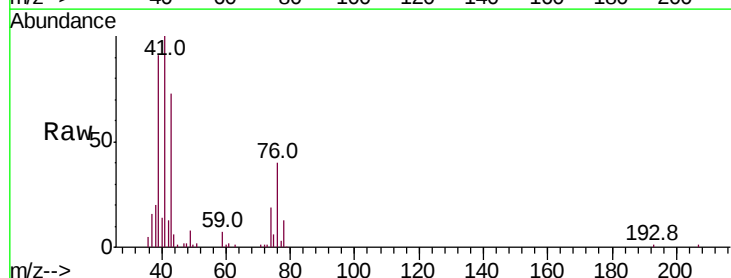
Acq: 4 Sep 2020 12:37

Tgt Ion: 43 Resp: 77668

Ion Ratio Lower Upper

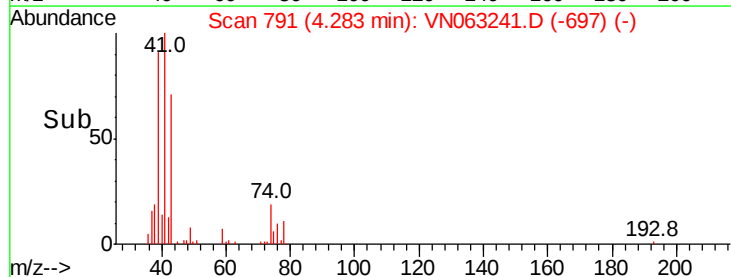
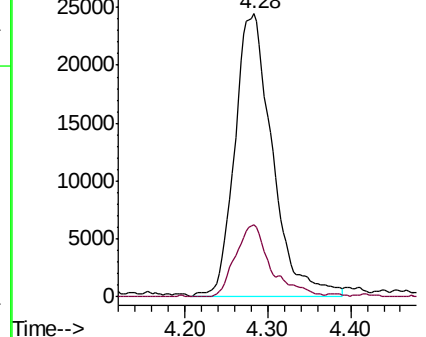
43 100

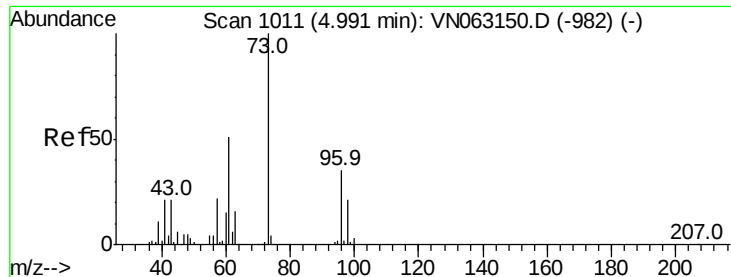
74 23.9 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

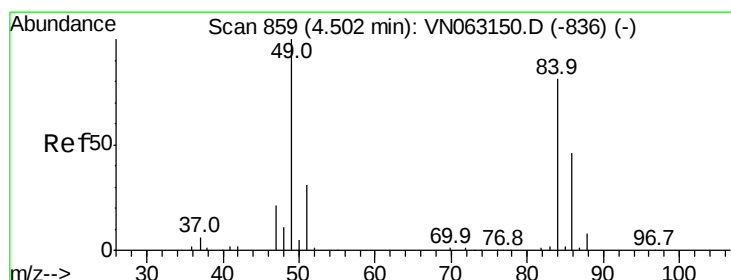
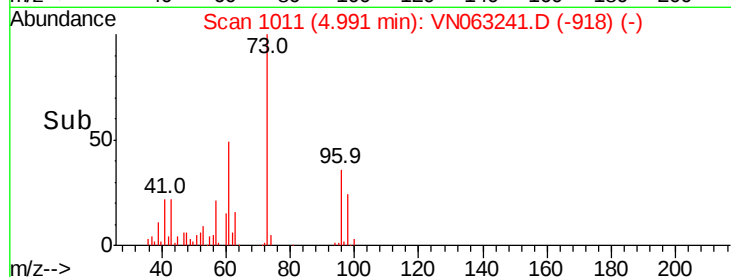
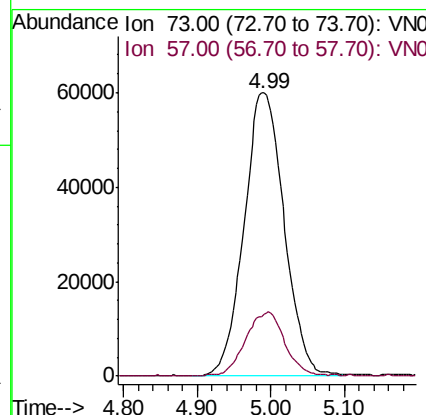
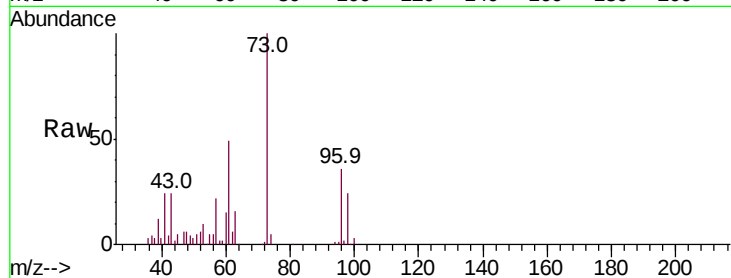




#19
Methvl tert-butvl Ether
Concen: 17.346 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

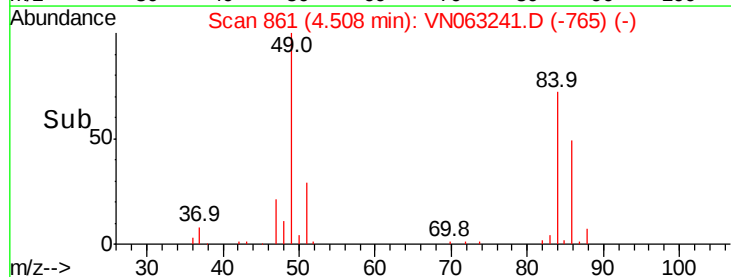
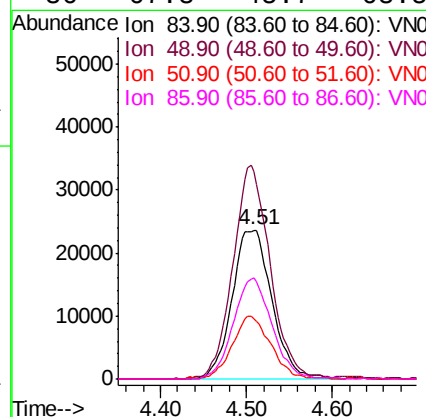
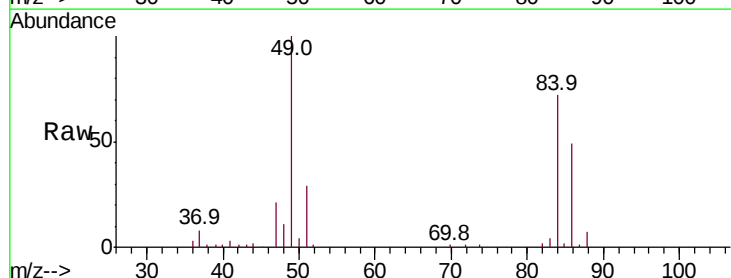
Instrument :
MSVOA_N
ClientSampleId :
VN0904MBS01

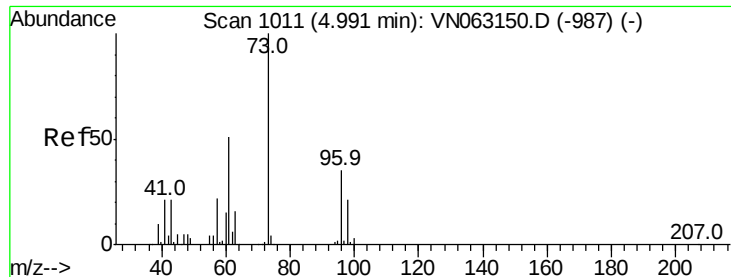
Tot Ion: 73 Resp: 227125
Ion Ratio Lower Upper
73 100
57 21.7 17.6 26.4



#20
Methylene Chloride
Concen: 17.792 ug/l
RT: 4.51 min Scan# 861
Delta R.T. 0.01 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

Tgt Ion: 84 Resp: 76122
Ion Ratio Lower Upper
84 100
49 138.3 98.4 147.6
51 40.0 30.4 45.6
86 67.8 45.7 68.5





#21

trans-1,2-Dichloroethene

Concen: 17.284 ug/l

RT: 4.99 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

Instrument :

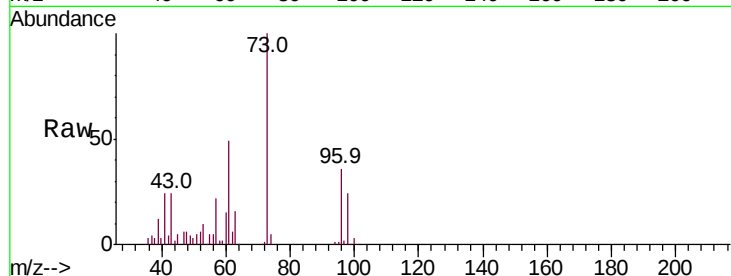
MSVOA_N

ClientSampleId :

VN0904MBS01

Tot Ion: 96 Resp: 67397

Ion	Ratio	Lower	Upper
96	100		
61	134.9	116.2	174.4
98	66.7	48.0	72.0

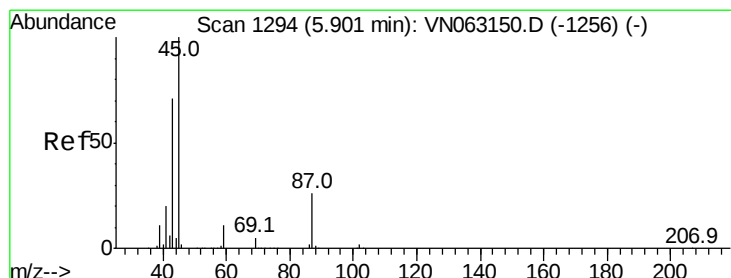
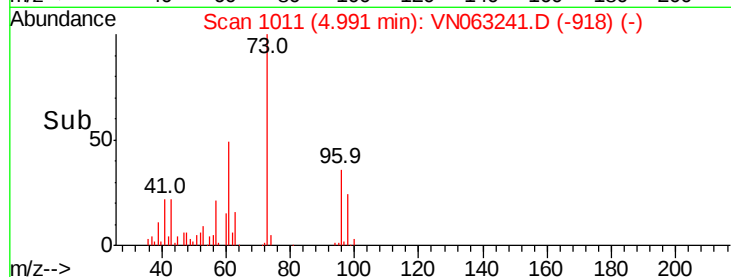
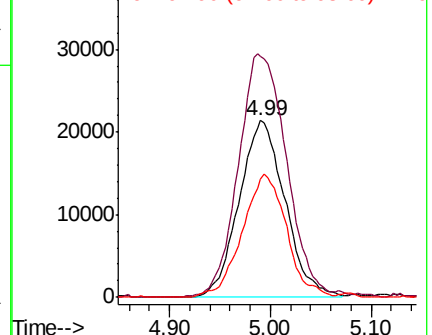


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 17.187 ug/l

RT: 5.90 min Scan# 1294

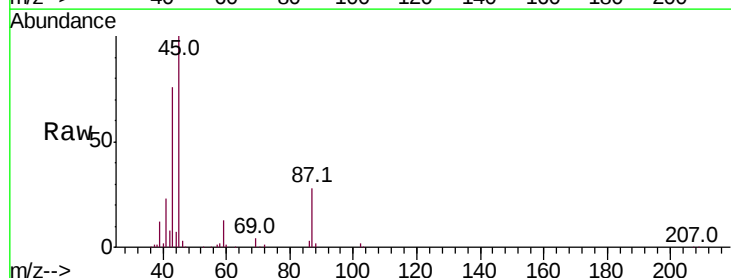
Delta R.T. 0.00 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

Tgt Ion: 45 Resp: 241426

Ion	Ratio	Lower	Upper
45	100		
43	74.2	56.8	85.2
87	28.3	21.1	31.7
59	12.8	8.9	13.3



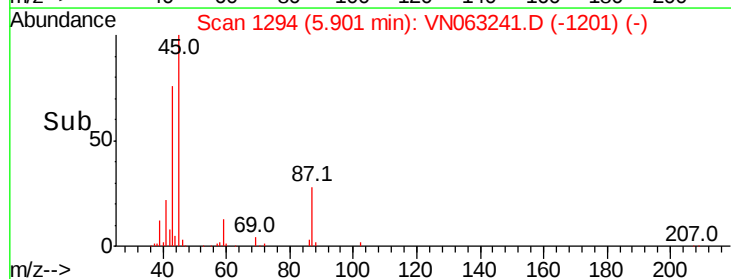
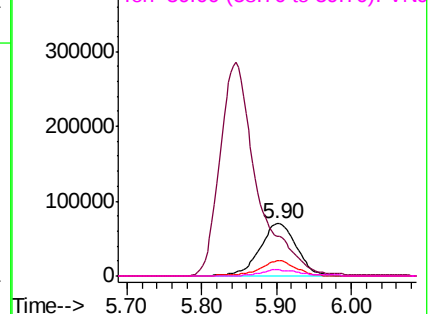
Abundance

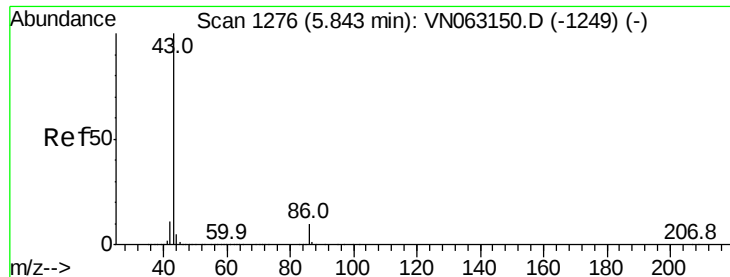
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 87.926 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

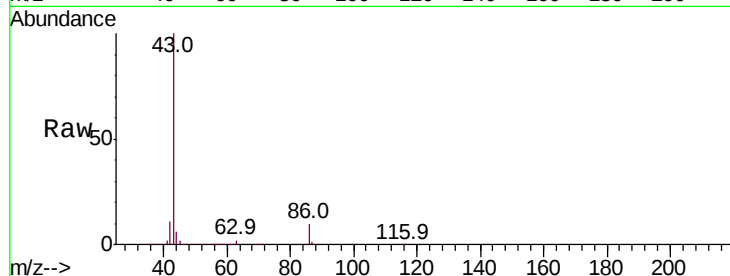
VN0904MBS01

Tot Ion: 43 Resp: 985521

Ion Ratio Lower Upper

43 100

86 10.0 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.85

300000

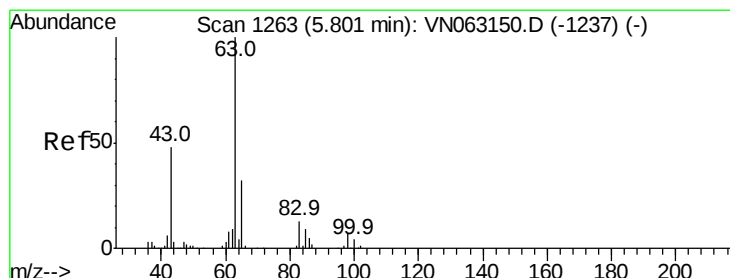
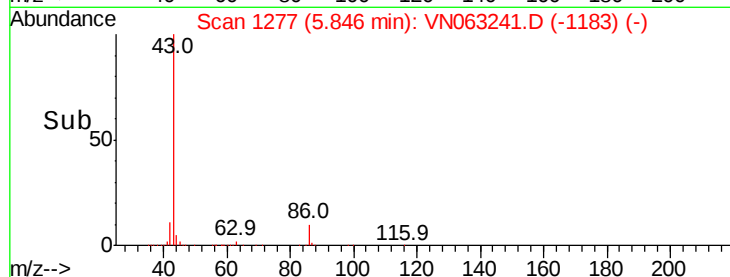
200000

100000

0

Time-->

5.70 5.80 5.90 6.00



#24

1,1-Dichloroethane

Concen: 18.060 ug/l

RT: 5.80 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

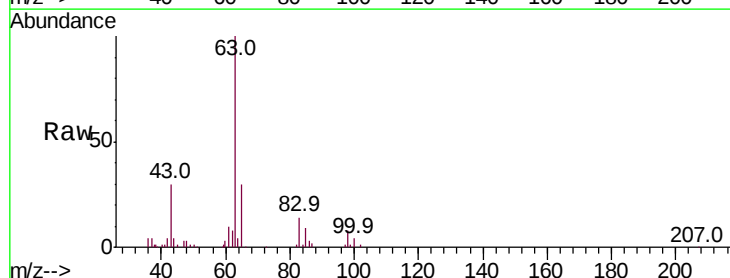
Tgt Ion: 63 Resp: 139853

Ion Ratio Lower Upper

63 100

98 7.7 3.4 10.1

100 4.2 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

60000

50000

40000

30000

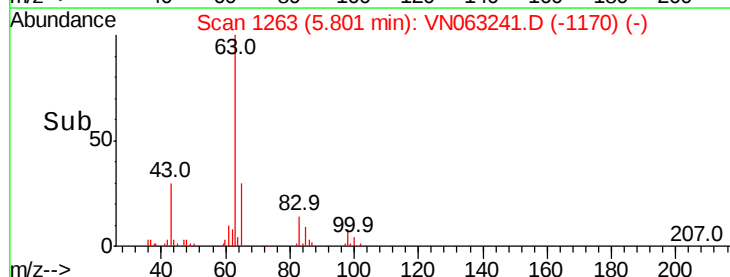
20000

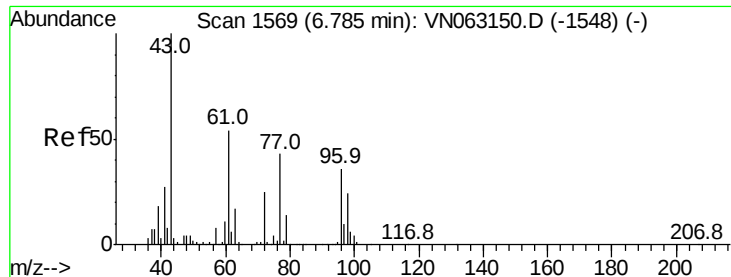
10000

0

Time-->

5.70 5.80 5.90

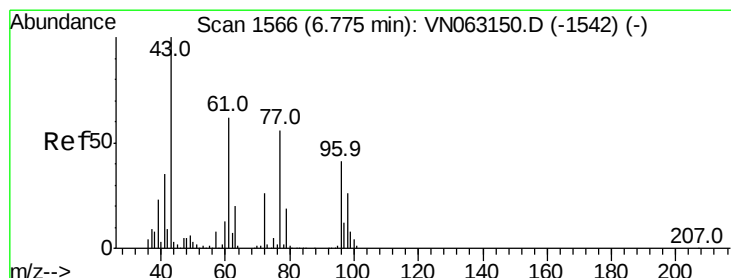
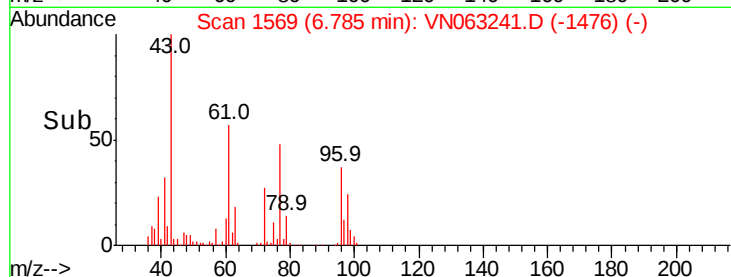
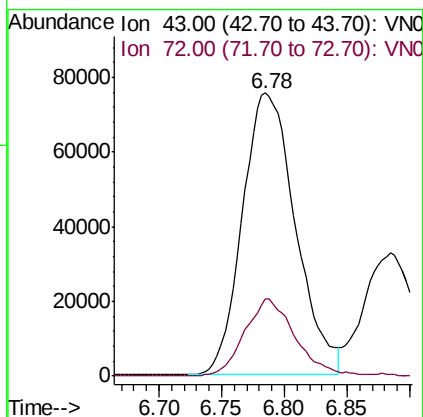
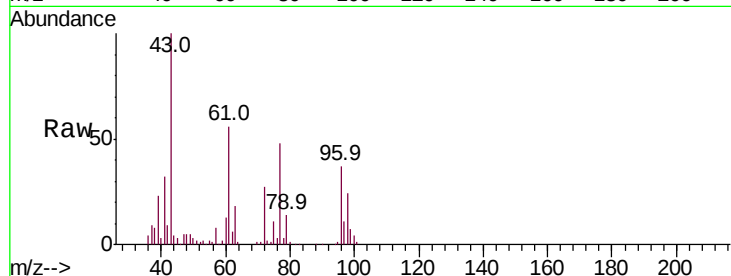




#25
2-Butanone
Concen: 96.217 ug/l
RT: 6.78 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

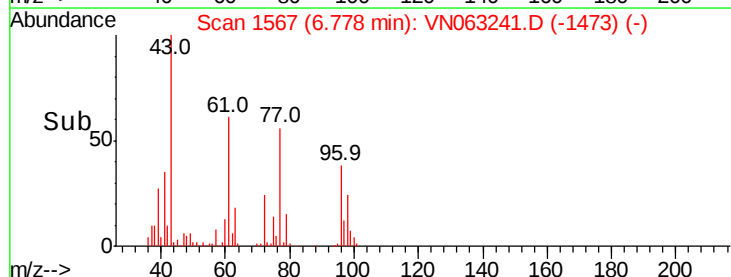
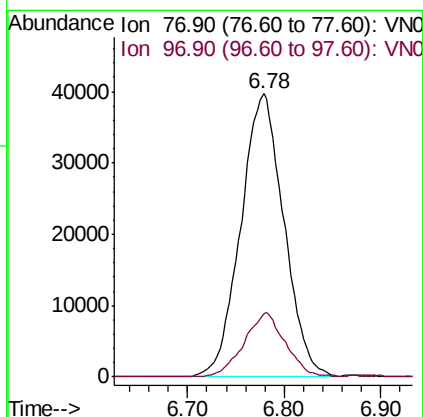
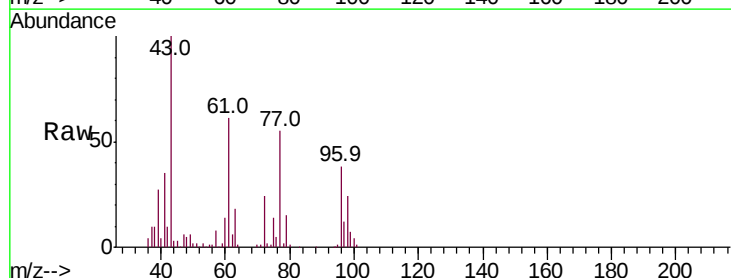
Instrument :
MSVOA_N
ClientSampleId :
VN0904MBS01

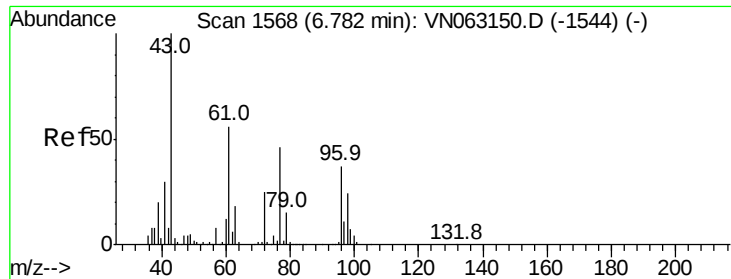
Tot Ion: 43 Resp: 222721
Ion Ratio Lower Upper
43 100
72 27.3 20.2 30.4



#26
2,2-Dichloropropane
Concen: 17.536 ug/l
RT: 6.78 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

Tgt Ion: 77 Resp: 123036
Ion Ratio Lower Upper
77 100
97 21.6 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 17.154 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. 0.01 min

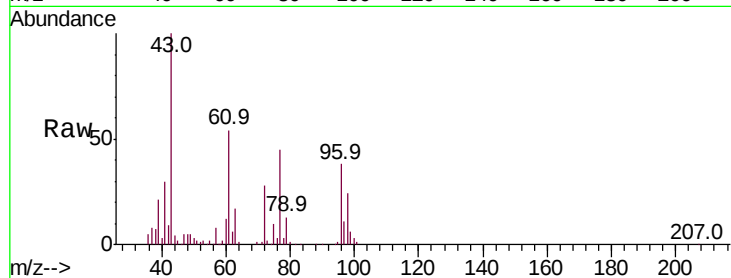
Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VN0904MBS01

Tot Ion: 96 Resp: 81304

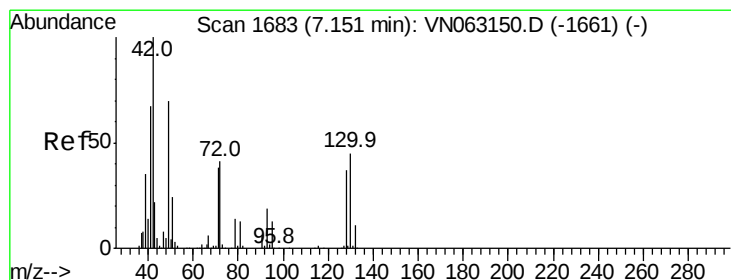
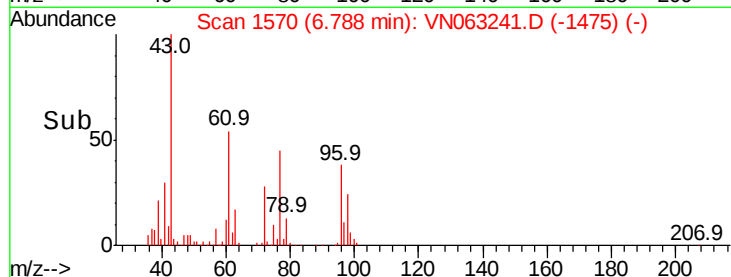
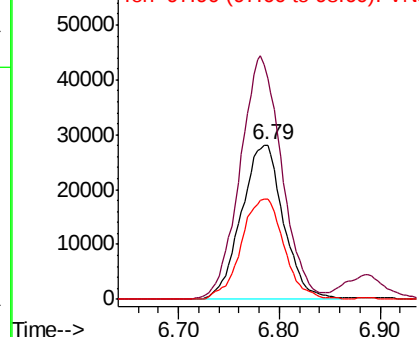
Ion	Ratio	Lower	Upper
96	100		
61	156.0	0.0	303.2
98	65.7	0.0	129.0



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 15.500 ug/l

RT: 7.15 min Scan# 1683

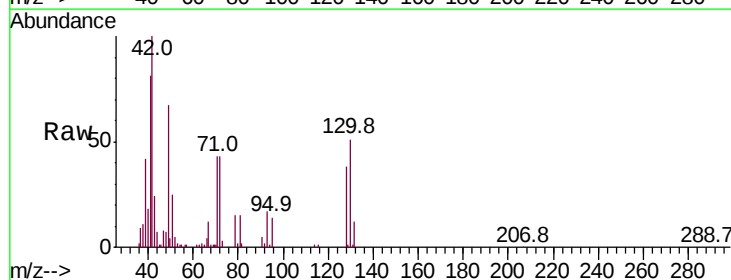
Delta R.T. 0.00 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

Tgt Ion: 49 Resp: 62710

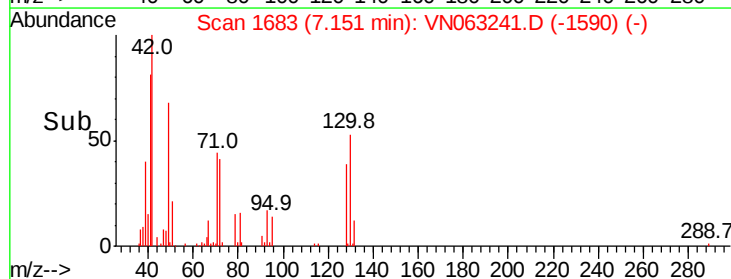
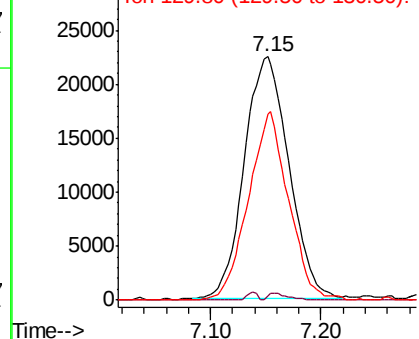
Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	4.0
130	69.8	54.4	81.6

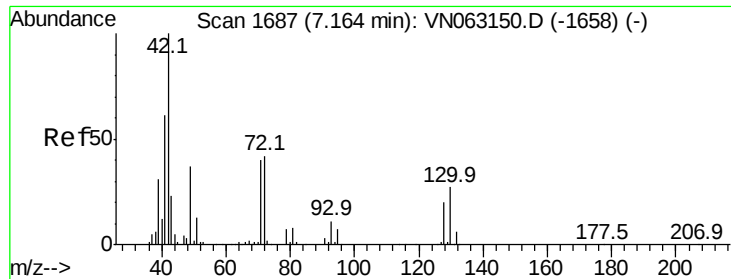


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

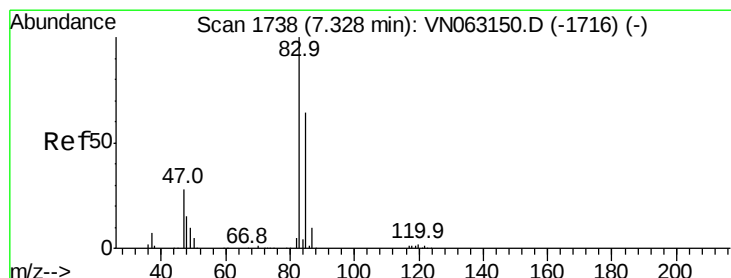
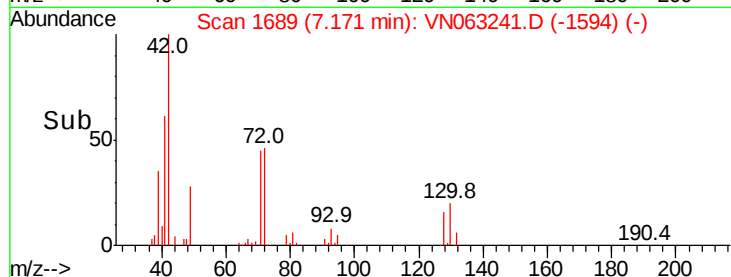
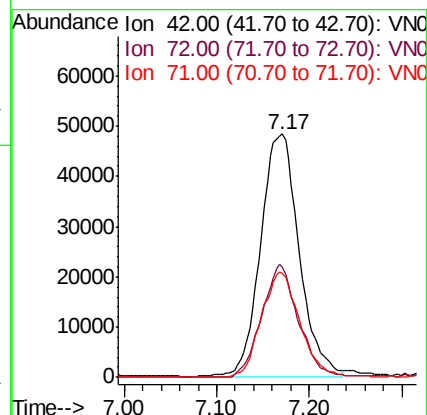
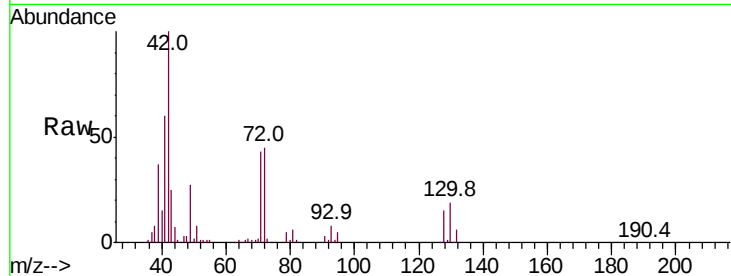




#29
Tetrahydrofuran
Concen: 88.360 ug/l
RT: 7.17 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

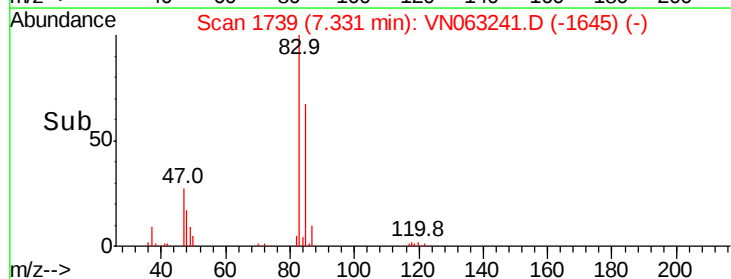
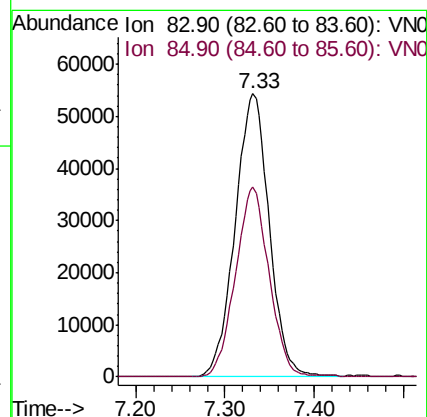
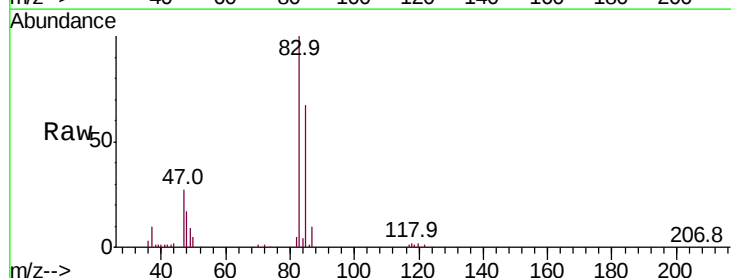
Instrument :
MSVOA_N
ClientSampleId :
VN0904MBS01

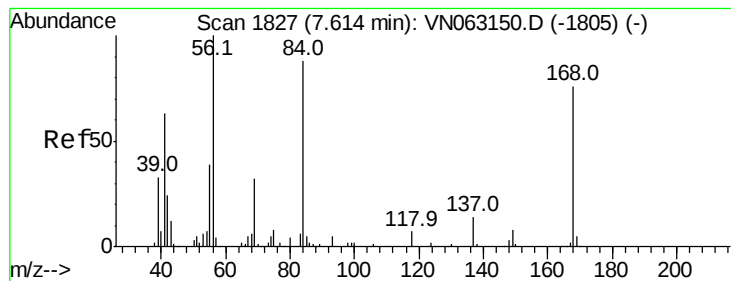
Tot Ion: 42 Resp: 141426
Ion Ratio Lower Upper
42 100
72 43.6 33.9 50.9
71 42.8 31.9 47.9



#30
Chloroform
Concen: 17.754 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

Tgt Ion: 83 Resp: 143844
Ion Ratio Lower Upper
83 100
85 67.1 51.0 76.6





#31

Cyclohexane

Concen: 16.178 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VN0904MBS01

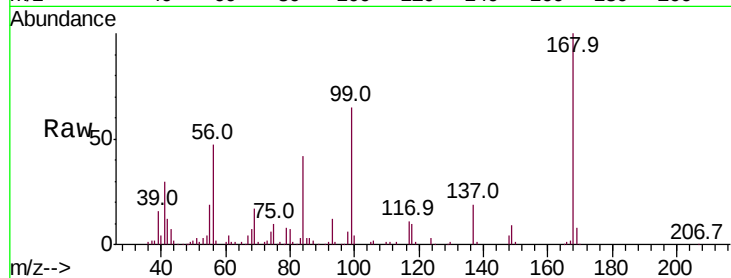
Tot Ion: 56 Resp: 118498

Ion Ratio Lower Upper

56 100

69 36.2 25.4 38.0

84 89.2 70.2 105.4

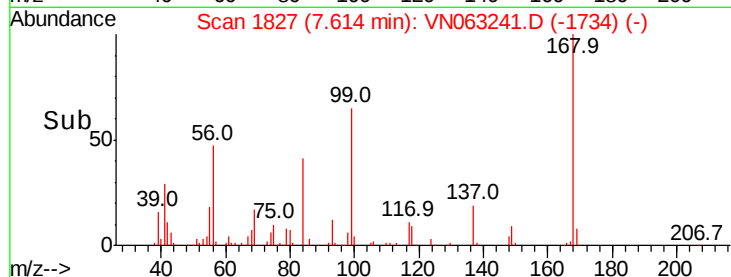


Abundance Ion 56.00 (55.70 to 56.70): VN063241.D (-1734) (-)

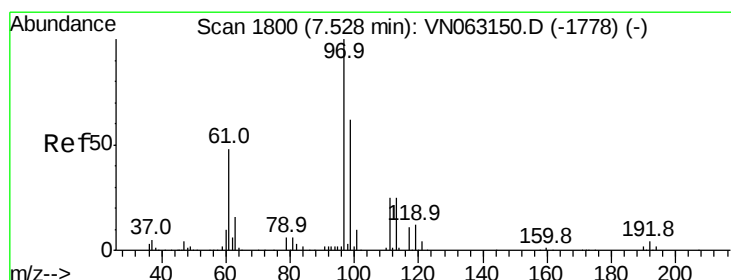
Ion 69.00 (68.70 to 69.70): VN063241.D (-1734) (-)

Ion 84.00 (83.70 to 84.70): VN063241.D (-1734) (-)

Time-->



Time-->



#32

1,1,1-Trichloroethane

Concen: 17.694 ug/l

RT: 7.53 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

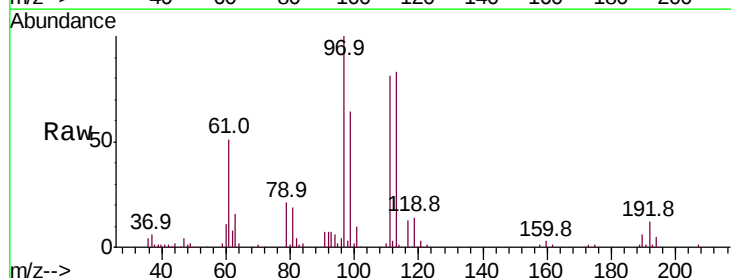
Tgt Ion: 97 Resp: 123535

Ion Ratio Lower Upper

97 100

99 64.8 50.8 76.2

61 49.3 37.4 56.2

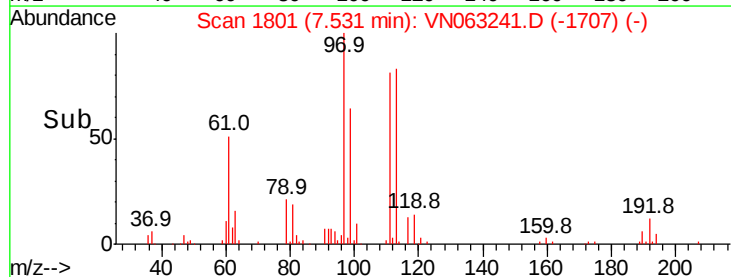


Abundance Ion 96.90 (96.60 to 97.60): VN063241.D (-1707) (-)

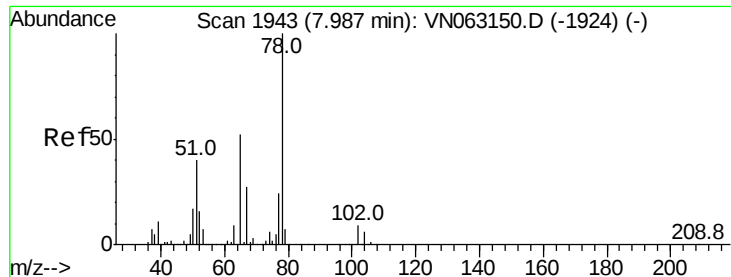
Ion 98.90 (98.60 to 99.60): VN063241.D (-1707) (-)

Ion 60.90 (60.60 to 61.60): VN063241.D (-1707) (-)

Time-->



Time-->



#33

1,2-Dichloroethane-d4

Concen: 45.760 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

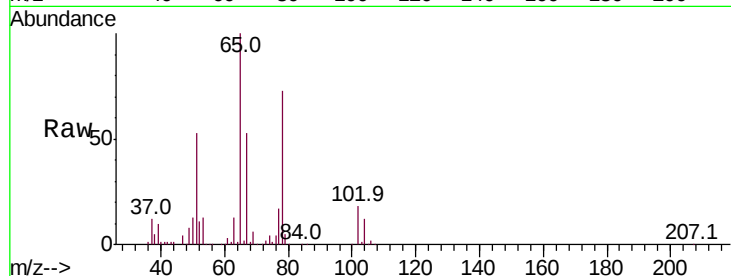
VN0904MBS01

Tot Ion: 65 Resp: 240646

Ion Ratio Lower Upper

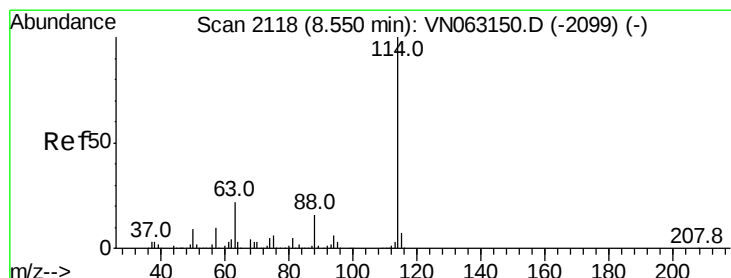
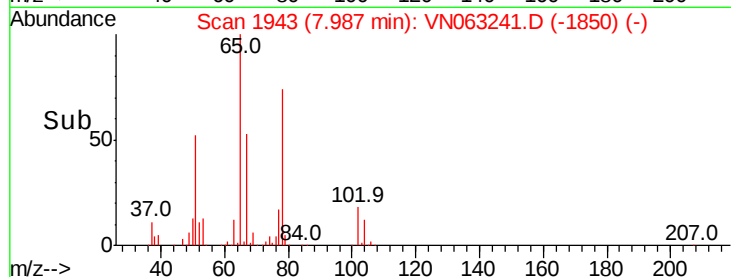
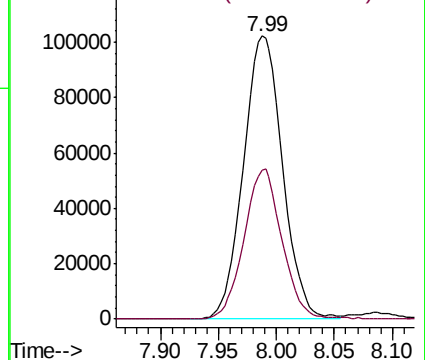
65 100

67 51.4 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VN063241.D (-1850) (-)

Ion 66.90 (66.60 to 67.60): VN063241.D (-1850) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

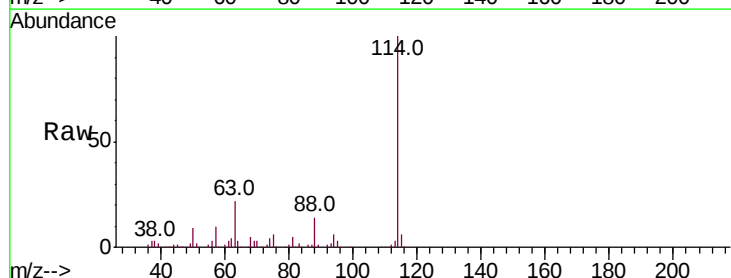
Tgt Ion: 114 Resp: 596099

Ion Ratio Lower Upper

114 100

63 21.6 0.0 43.0

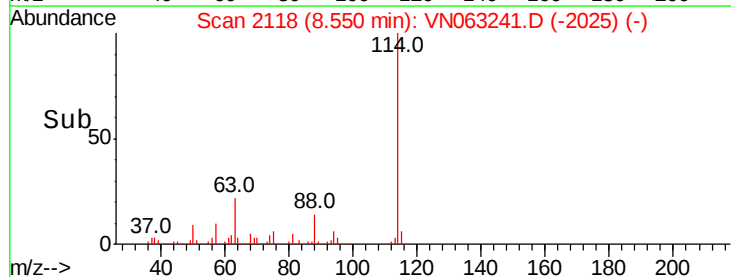
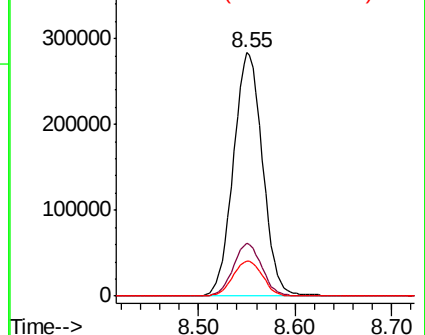
88 14.2 0.0 31.6

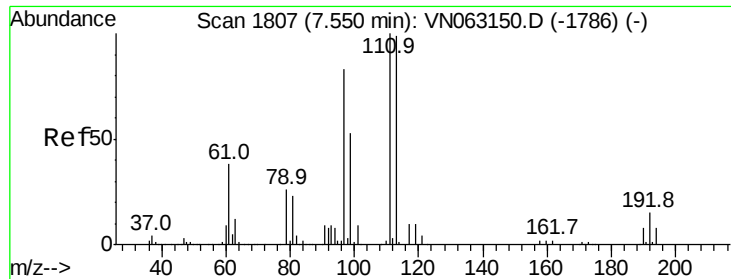


Abundance Ion 113.90 (113.60 to 114.60): VN063241.D (-2025) (-)

Ion 63.00 (62.70 to 63.70): VN063241.D (-2025) (-)

Ion 87.90 (87.60 to 88.60): VN063241.D (-2025) (-)

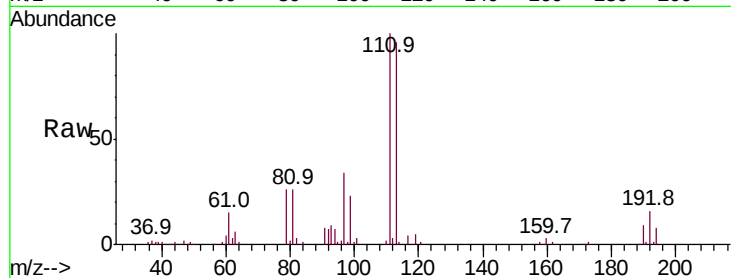




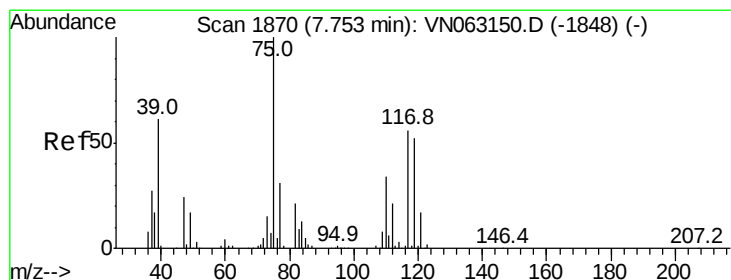
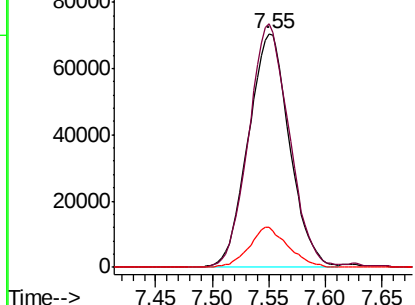
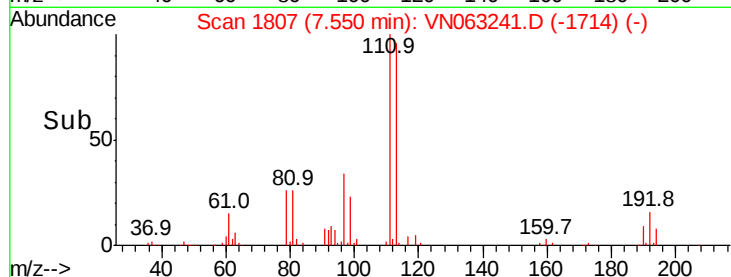
#35
 Dibromofluoromethane
 Concen: 46.515 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063241.D
 Acq: 4 Sep 2020 12:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0904MBS01

Tot Ion:113 Resp: 177885
 Ion Ratio Lower Upper
 113 100
 111 103.0 80.7 121.1
 192 16.2 12.6 19.0

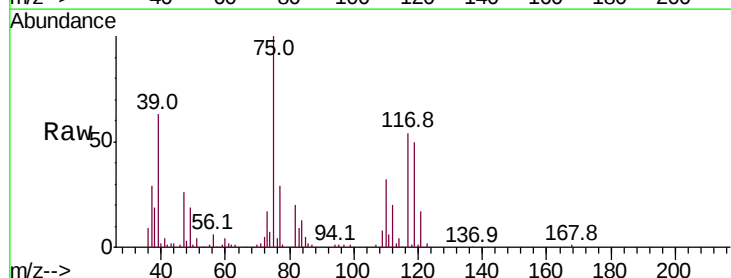


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

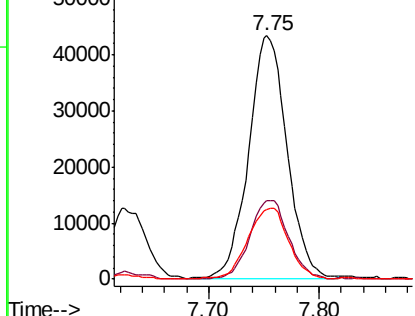
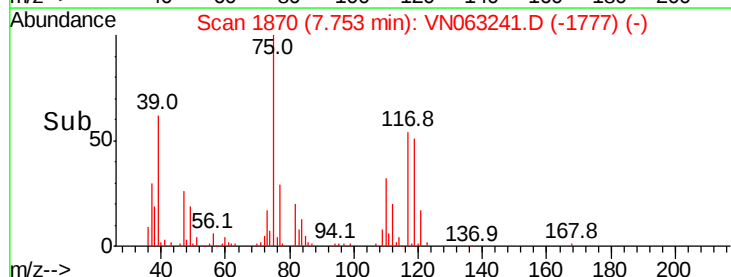


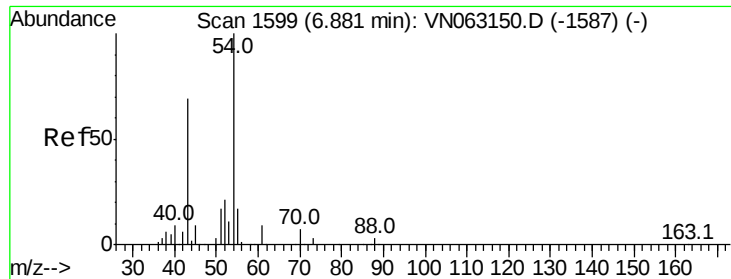
#36
 1,1-Dichloropropene
 Concen: 18.418 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN063241.D
 Acq: 4 Sep 2020 12:37

Tgt Ion: 75 Resp: 105547
 Ion Ratio Lower Upper
 75 100
 110 32.5 16.6 49.8
 77 30.6 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

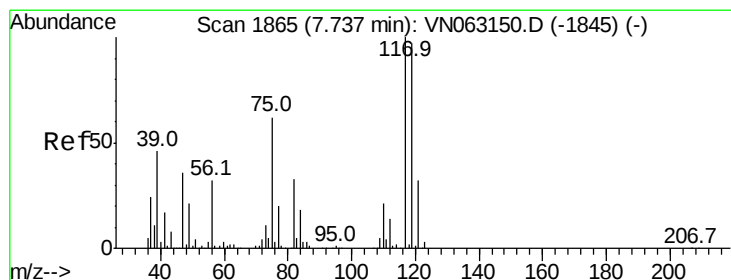
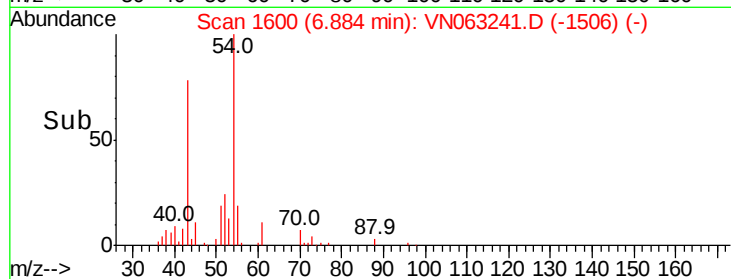
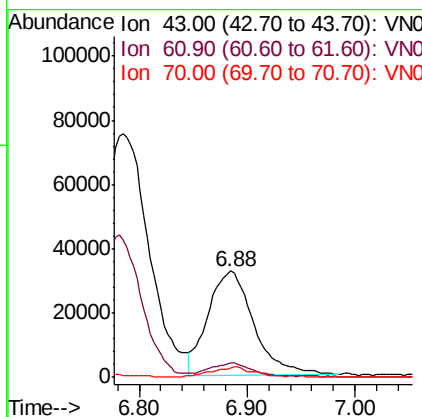
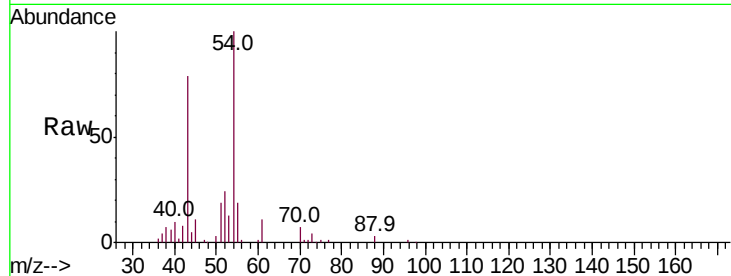




#37
Ethyl Acetate
Concen: 17.816 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

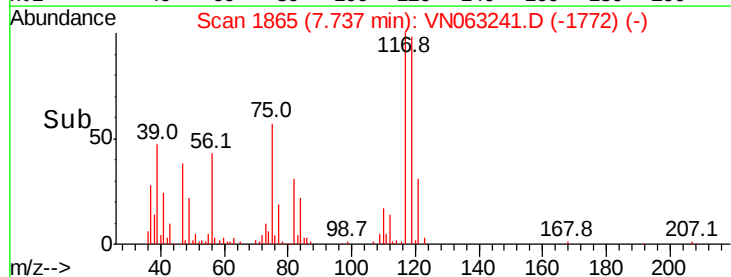
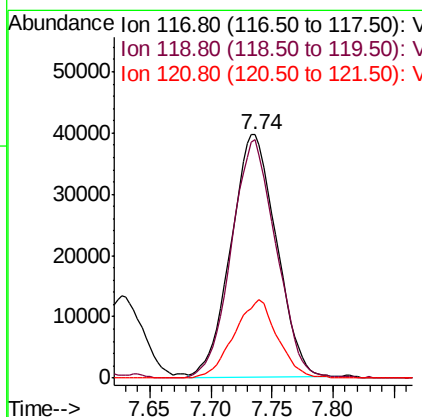
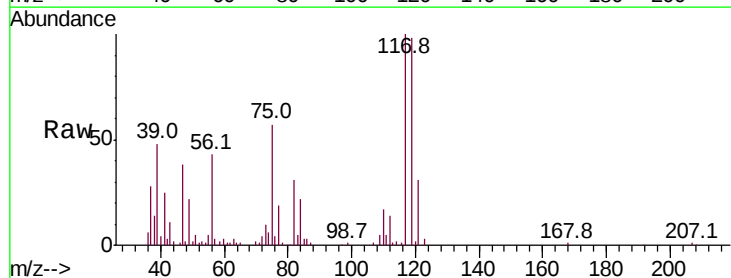
Instrument :
MSVOA_N
ClientSampled :
VN0904MBS01

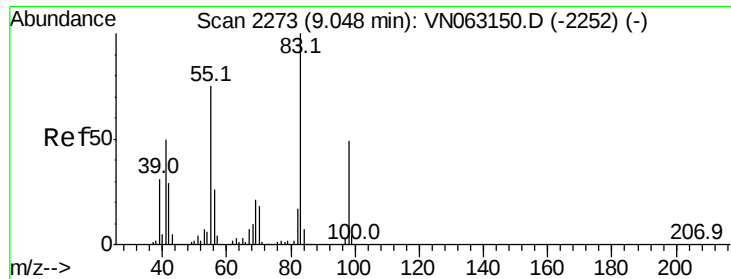
Tot Ion: 43 Resp: 95070
Ion Ratio Lower Upper
43 100
61 12.3 10.2 15.4
70 8.8 3.0 4.6#



#38
Carbon Tetrachloride
Concen: 17.567 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

Tgt Ion: 117 Resp: 102091
Ion Ratio Lower Upper
117 100
119 98.4 77.2 115.8
121 30.8 25.6 38.4

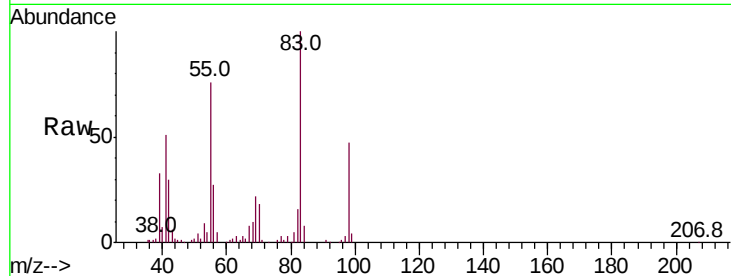




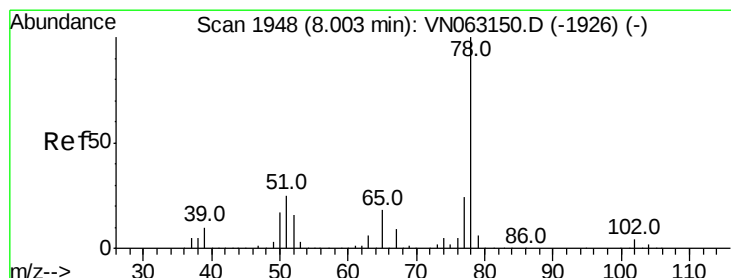
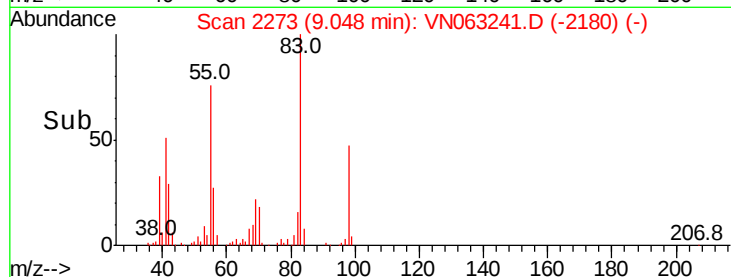
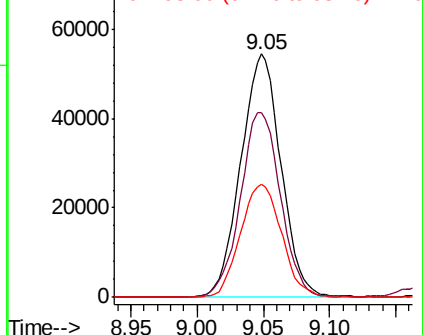
#39
Methvlcvclohexane
Concen: 17.816 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VN0904MBS01

Tot Ion: 83 Resp: 114699
Ion Ratio Lower Upper
83 100
55 76.1 60.3 90.5
98 46.6 38.9 58.3

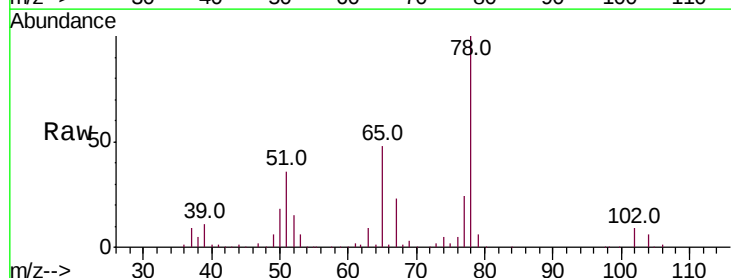


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

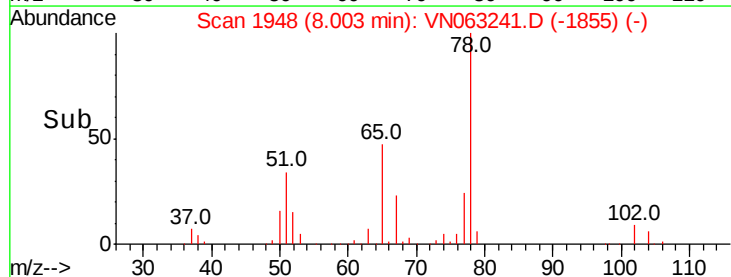
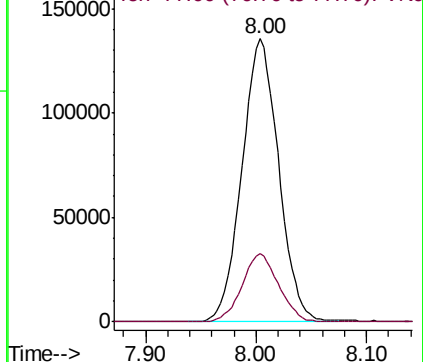


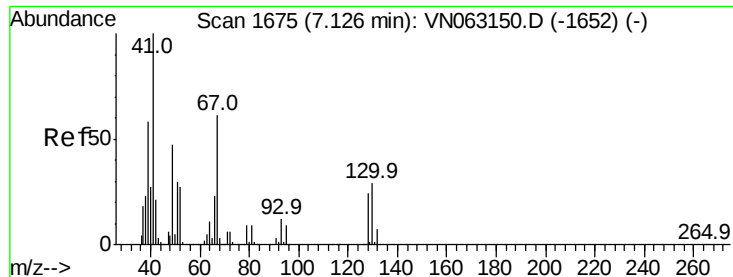
#40
Benzene
Concen: 18.530 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

Tgt Ion: 78 Resp: 312041
Ion Ratio Lower Upper
78 100
77 24.1 19.3 28.9



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

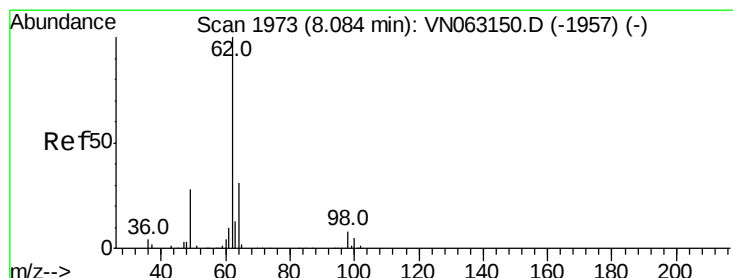
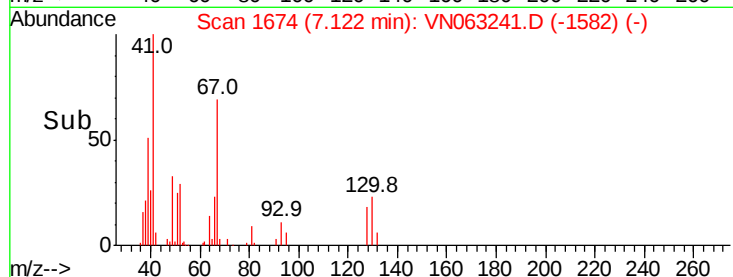
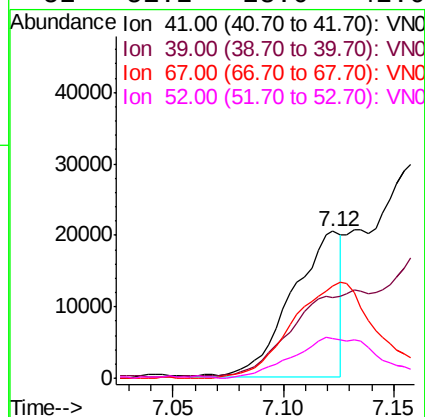
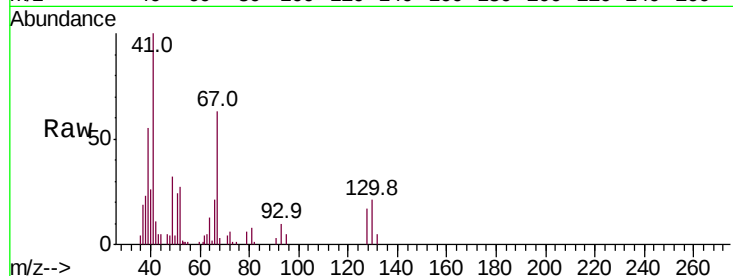




#41
Methacrylonitrile
Concen: 12.876 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

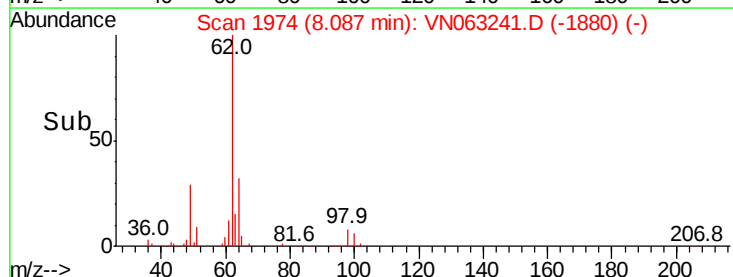
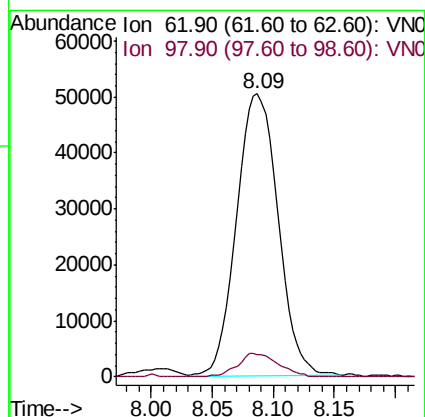
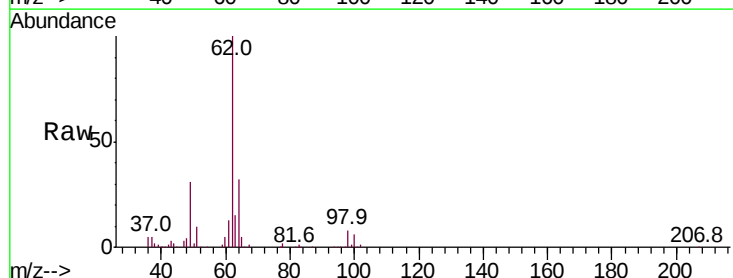
Instrument :
MSVOA_N
ClientSampleId :
VN0904MBS01

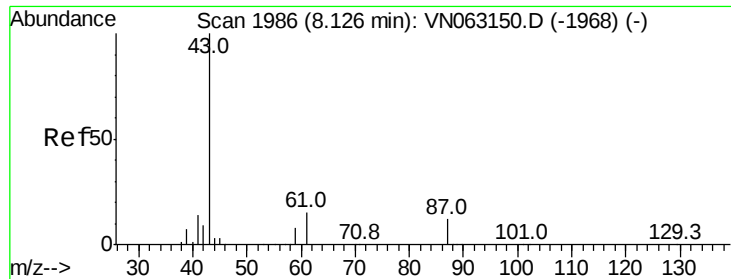
Tot Ion: 41 Resp: 31085
Ion Ratio Lower Upper
41 100
39 88.4 46.6 70.0#
67 117.9 62.6 94.0#
52 51.2 28.0 42.0#



#42
1,2-Dichloroethane
Concen: 18.870 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

Tgt Ion: 62 Resp: 118699
Ion Ratio Lower Upper
62 100
98 8.2 0.0 17.2





#43

Isopropyl Acetate

Concen: 18.335 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

Instrument :

MSVOA_N

ClientSampled :

VN0904MBS01

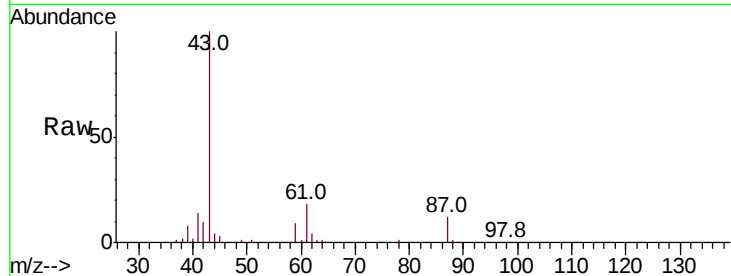
Tot Ion: 43 Resp: 171351

Ion Ratio Lower Upper

43 100

61 19.0 20.2 30.4#

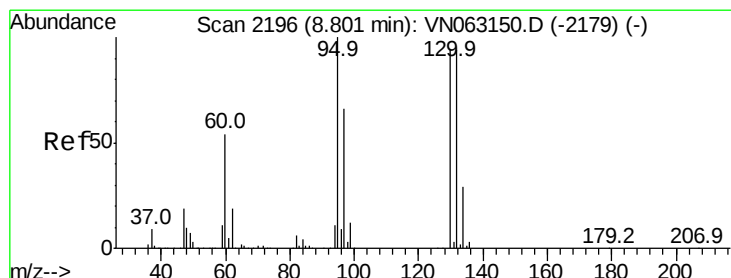
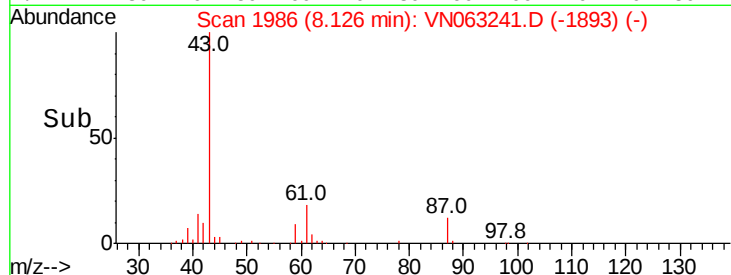
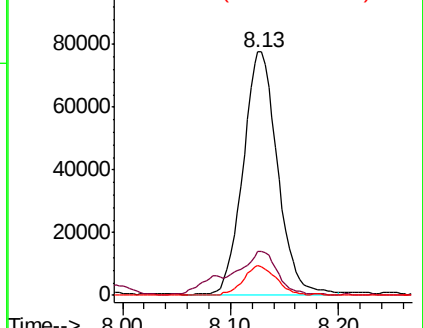
87 11.3 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VN063241.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN063241.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN063241.D (-1968) (-)



#44

Trichloroethene

Concen: 20.055 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN063241.D

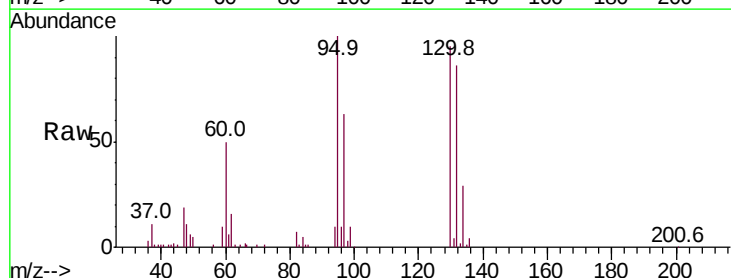
Acq: 4 Sep 2020 12:37

Tgt Ion:130 Resp: 81917

Ion Ratio Lower Upper

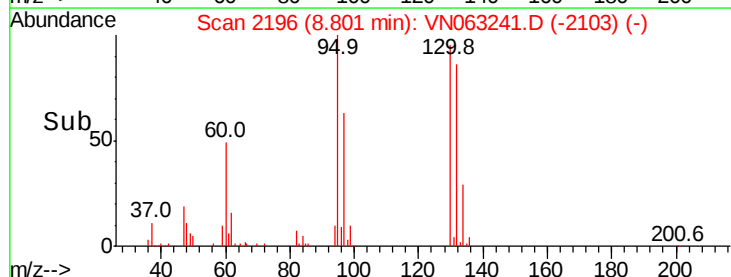
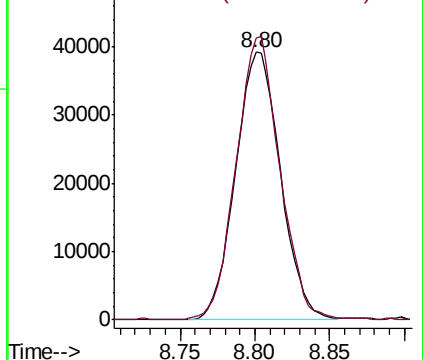
130 100

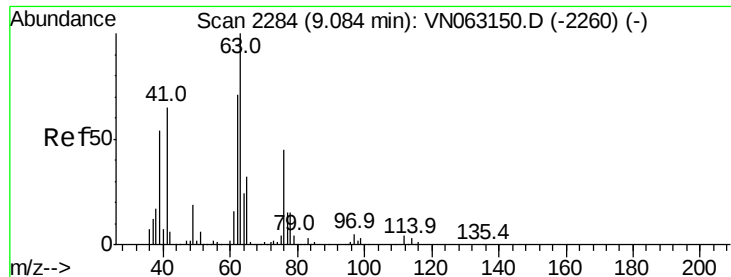
95 104.9 0.0 212.0



Abundance Ion 129.80 (129.50 to 130.50): VN063241.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN063241.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 18.126 ug/l

RT: 9.09 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

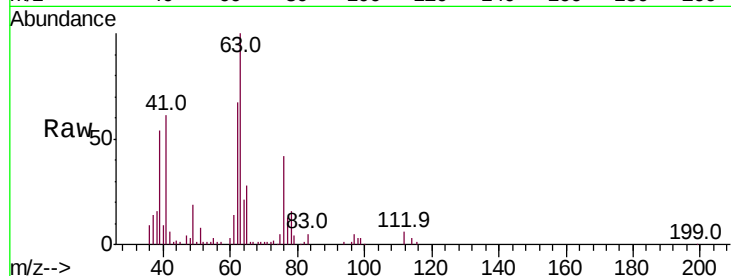
VN0904MBS01

Tot Ion: 63 Resp: 80818

Ion Ratio Lower Upper

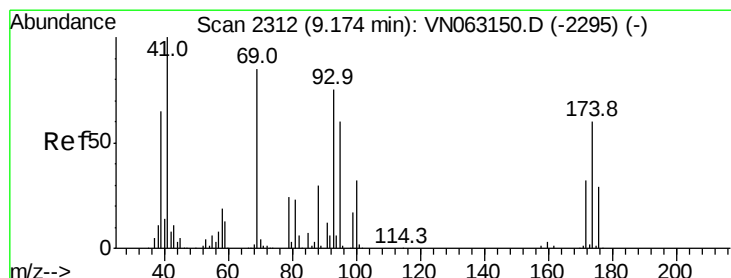
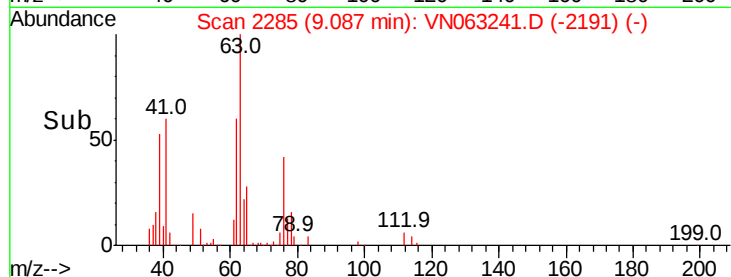
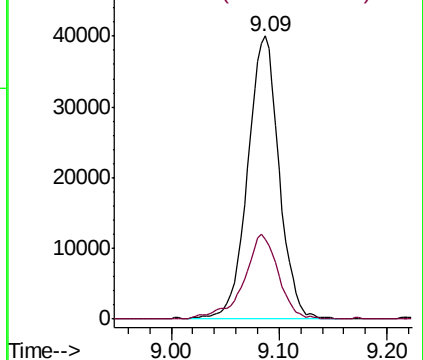
63 100

65 28.3 25.4 38.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 18.829 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

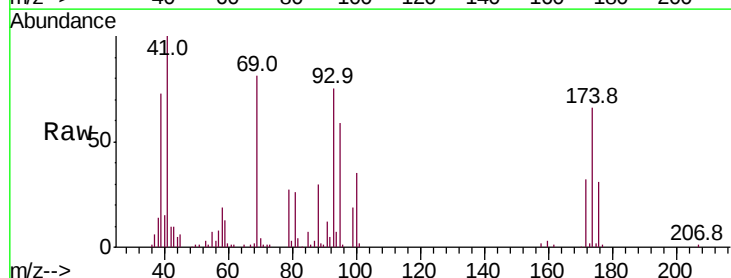
Tgt Ion: 93 Resp: 55634

Ion Ratio Lower Upper

93 100

95 81.8 65.2 97.8

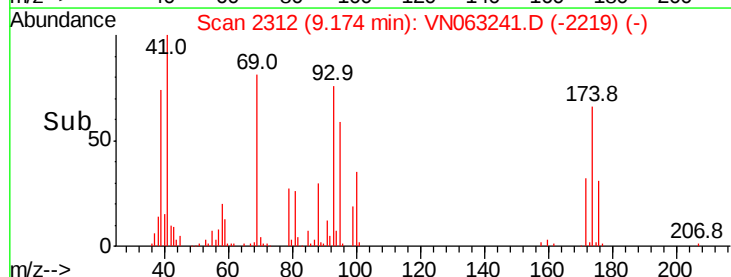
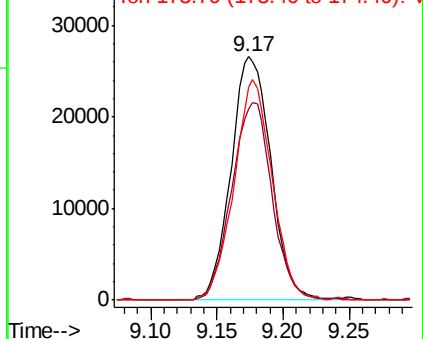
174 86.5 64.6 97.0

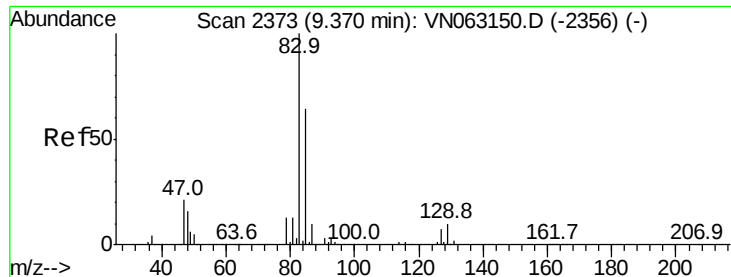


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

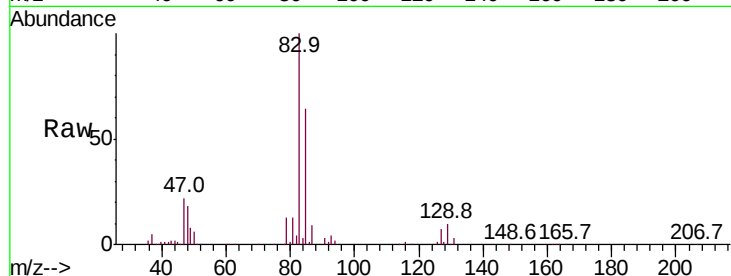




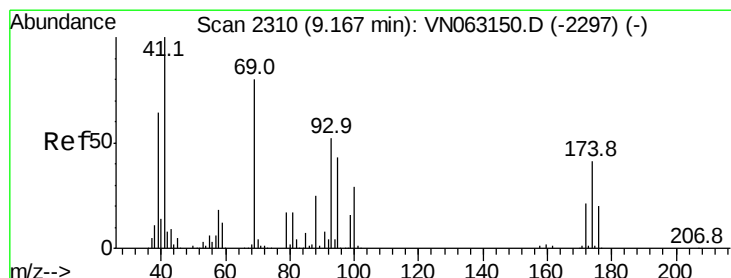
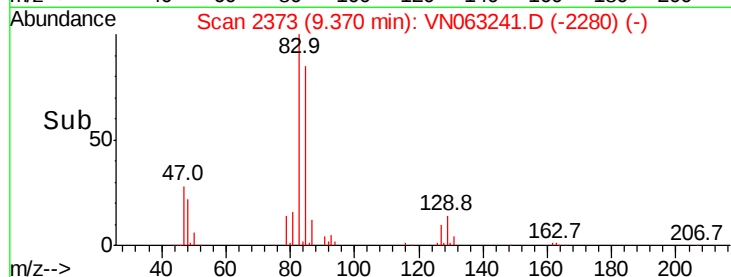
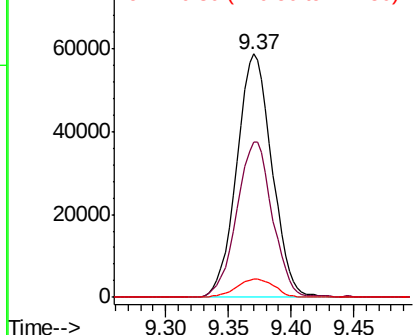
#47
Bromodichloromethane
Concen: 18.080 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VN0904MBS01

Tot Ion: 83 Resp: 114505
Ion Ratio Lower Upper
83 100
85 63.6 51.0 76.6
127 7.3 5.7 8.5

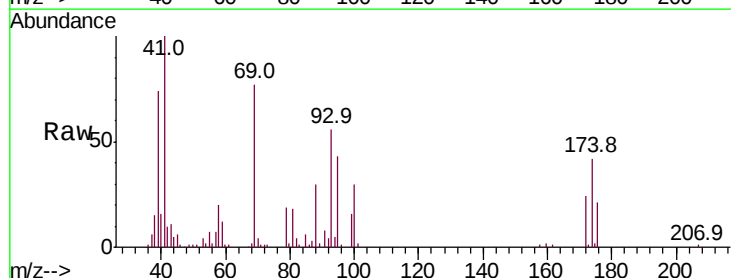


Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO

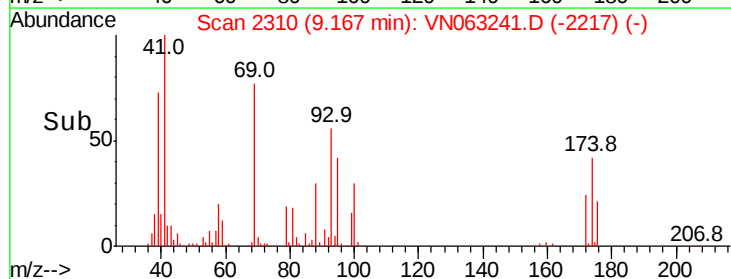
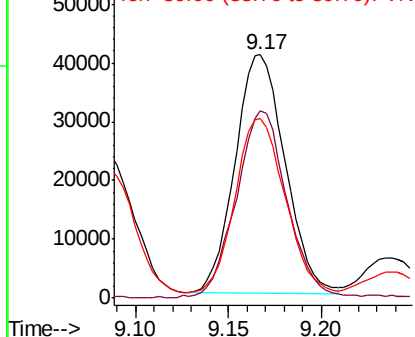


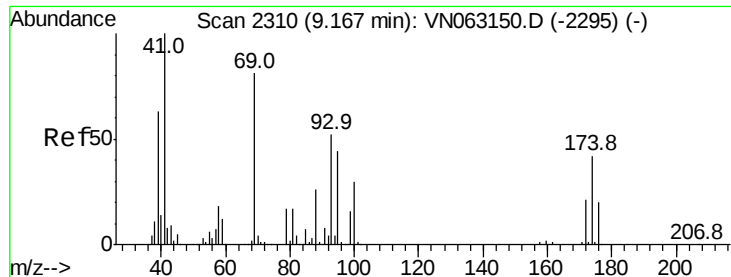
#48
Methyl methacrylate
Concen: 18.007 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

Tgt Ion: 41 Resp: 75863
Ion Ratio Lower Upper
41 100
69 80.3 65.9 98.9
39 76.7 52.0 78.0



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO

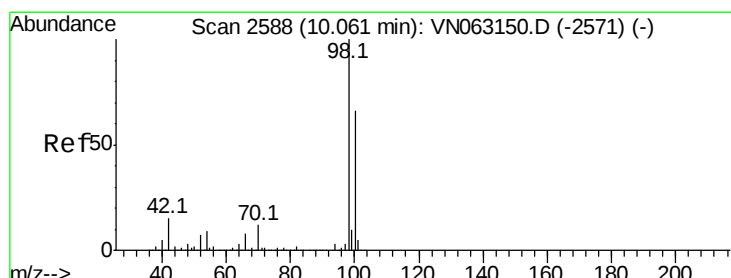
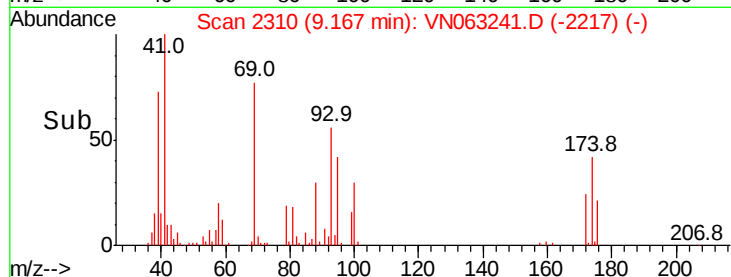
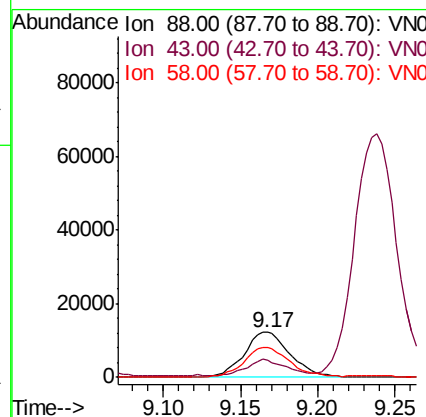
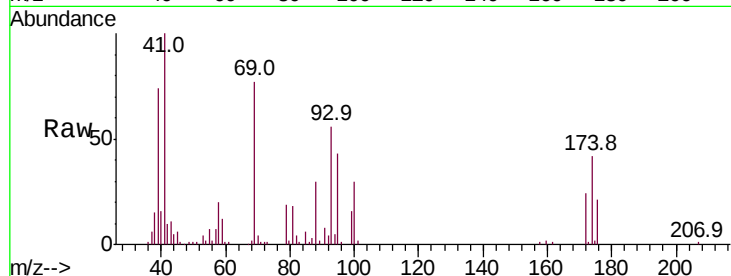




#49
 1,4-Dioxane
 Concen: 388.390 ug/l
 RT: 9.17 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN063241.D
 Acq: 4 Sep 2020 12:37

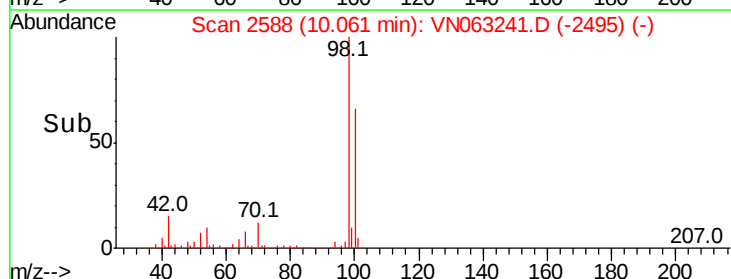
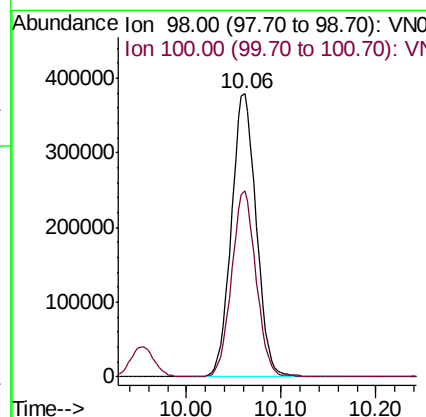
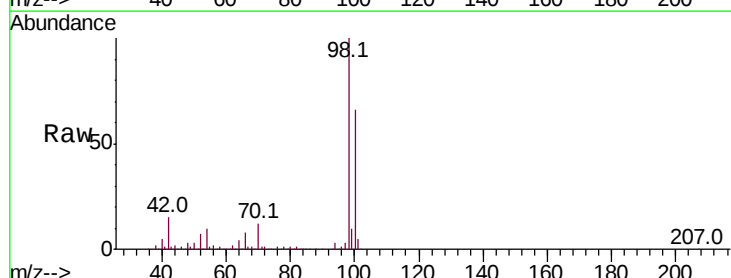
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0904MBS01

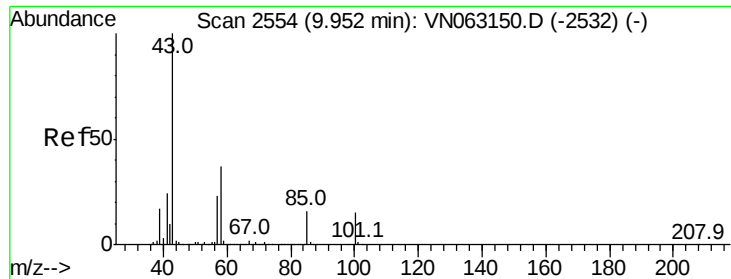
Tot Ion: 88 Resp: 25309
 Ion Ratio Lower Upper
 88 100
 43 29.5 28.6 42.8
 58 66.8 53.2 79.8



#50
 Toluene-d8
 Concen: 47.075 ug/l
 RT: 10.06 min Scan# 2588
 Delta R.T. 0.00 min
 Lab File: VN063241.D
 Acq: 4 Sep 2020 12:37

Tgt Ion: 98 Resp: 692934
 Ion Ratio Lower Upper
 98 100
 100 64.3 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 99.846 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

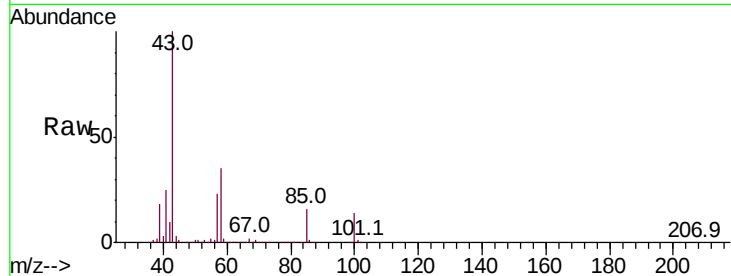
VN0904MBS01

Tot Ion: 43 Resp: 507075

Ion Ratio Lower Upper

43 100

58 35.9 29.2 43.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.95

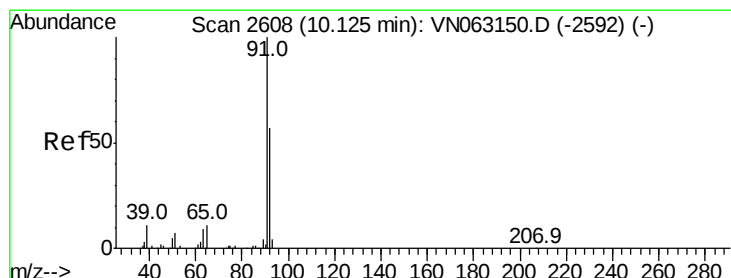
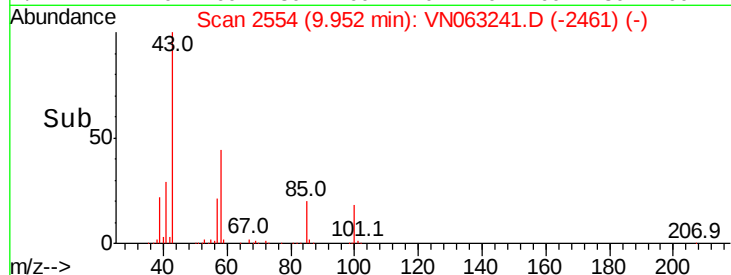
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 18.871 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063241.D

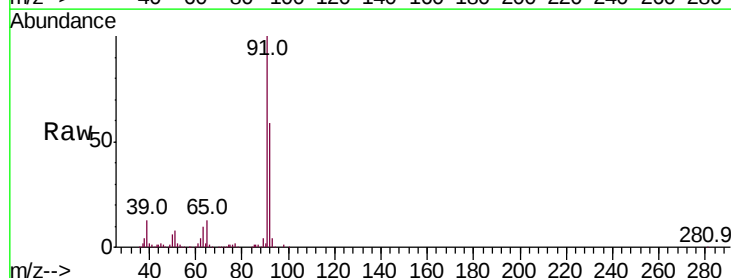
Acq: 4 Sep 2020 12:37

Tgt Ion: 92 Resp: 197968

Ion Ratio Lower Upper

92 100

91 173.5 141.2 211.8



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

200000

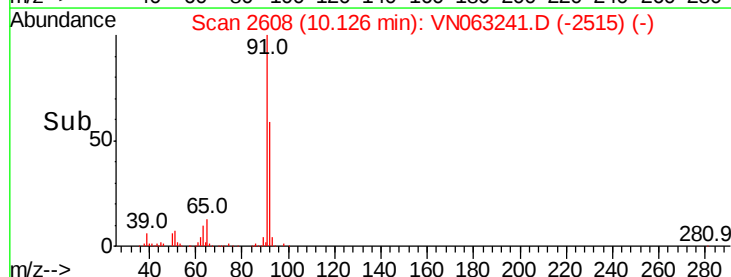
150000

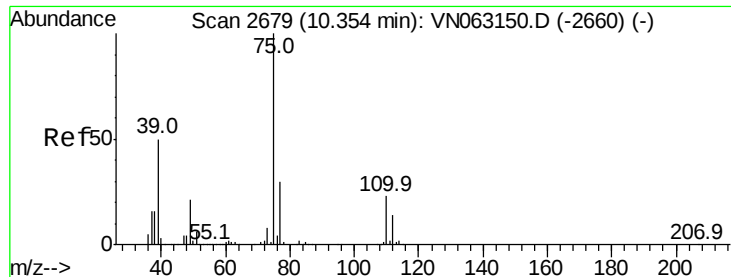
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 17.543 ug/l

RT: 10.35 min Scan# 2679

Delta R.T. 0.00 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

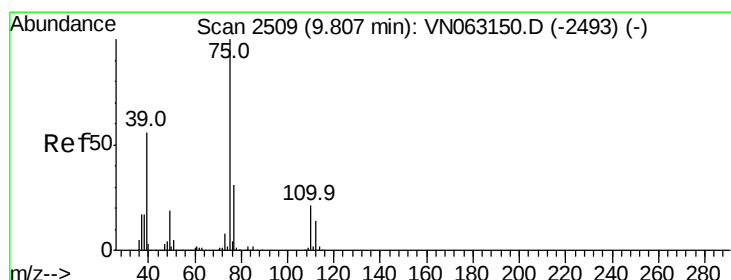
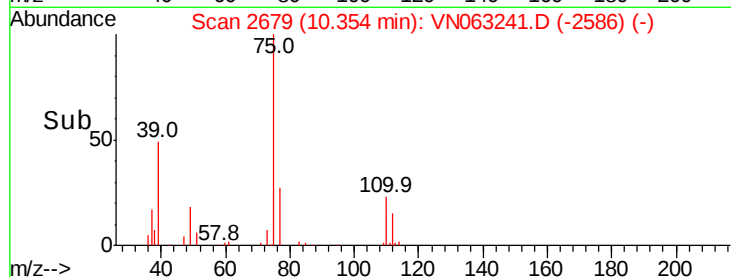
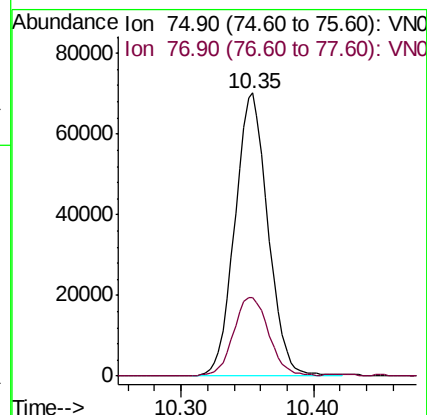
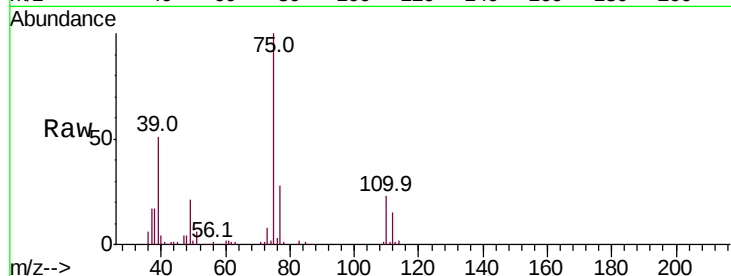
VN0904MBS01

Tot Ion: 75 Resp: 121532

Ion Ratio Lower Upper

75 100

77 27.5 24.2 36.2



#54

cis-1,3-Dichloropropene

Concen: 18.004 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

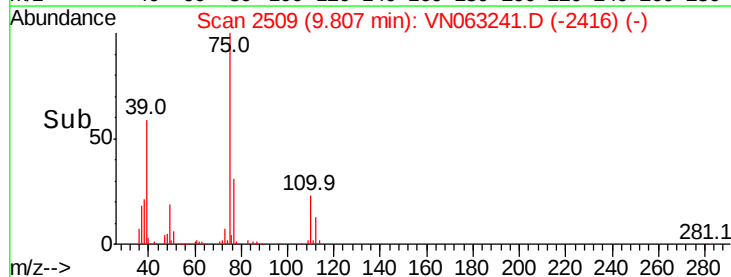
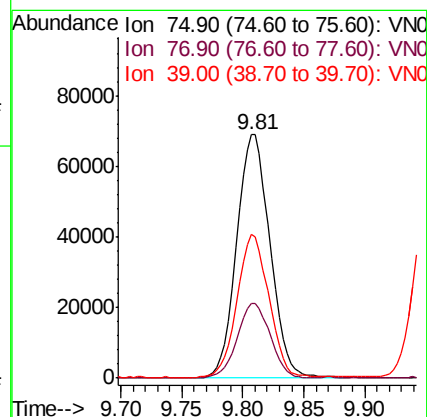
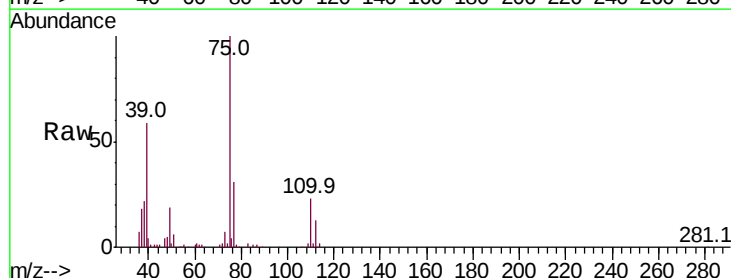
Tgt Ion: 75 Resp: 130922

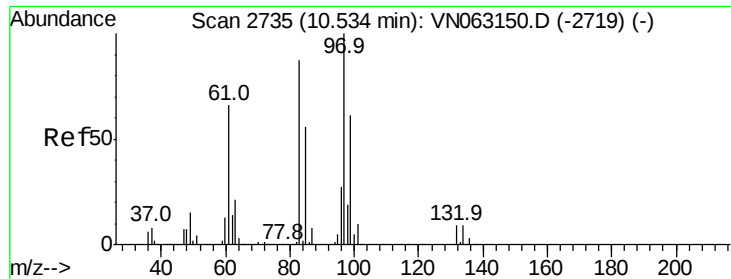
Ion Ratio Lower Upper

75 100

77 30.6 24.8 37.2

39 58.6 45.0 67.6

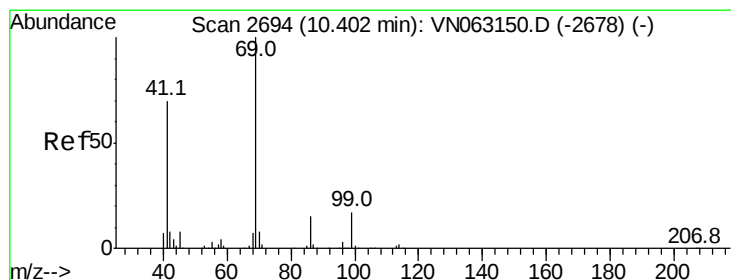
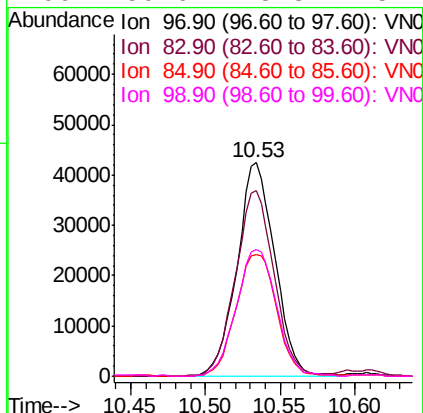
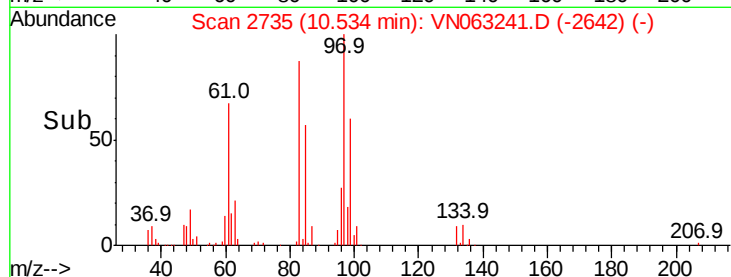
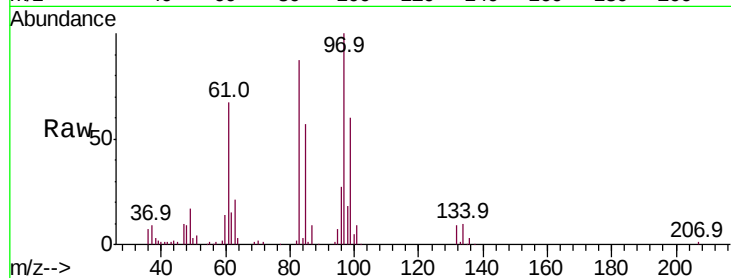




#55
 1,1,2-Trichloroethane
 Concen: 18.617 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN063241.D
 Acq: 4 Sep 2020 12:37

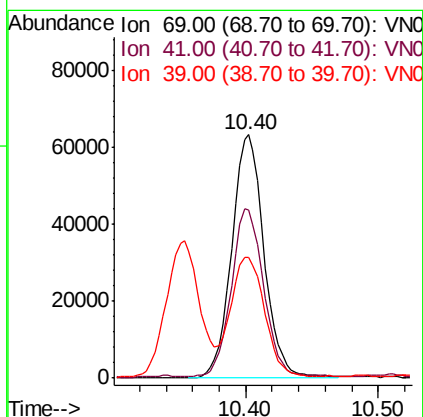
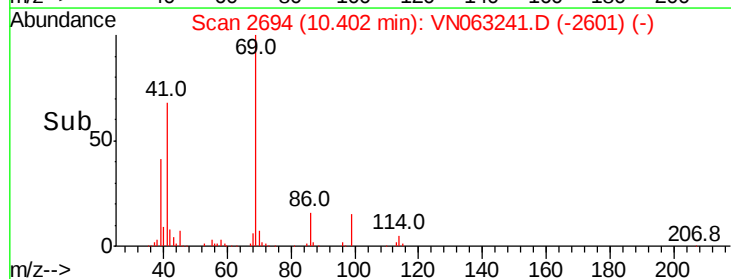
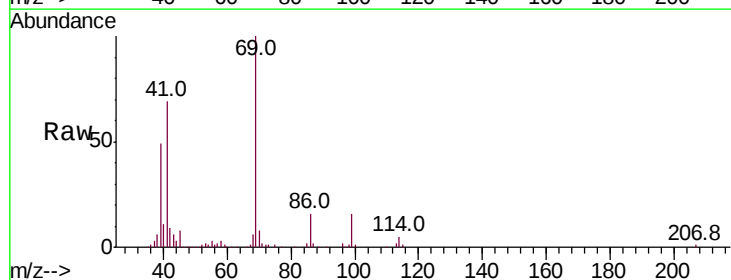
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0904MBS01

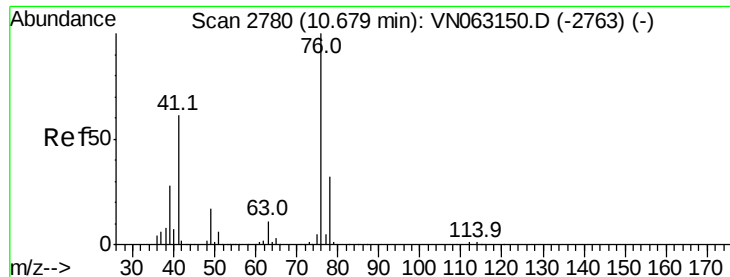
Tot Ion:	97	Resp:	74793
Ion	Ratio	Lower	Upper
97	100		
83	86.6	69.8	104.8
85	56.9	44.9	67.3
99	59.6	48.8	73.2



#56
 Ethyl methacrylate
 Concen: 17.539 ug/l
 RT: 10.40 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VN063241.D
 Acq: 4 Sep 2020 12:37

Tgt Ion:	69	Resp:	107236
Ion	Ratio	Lower	Upper
69	100		
41	68.2	55.5	83.3
39	51.9	38.2	57.2

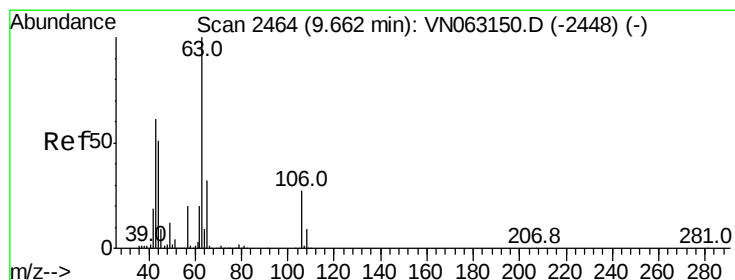
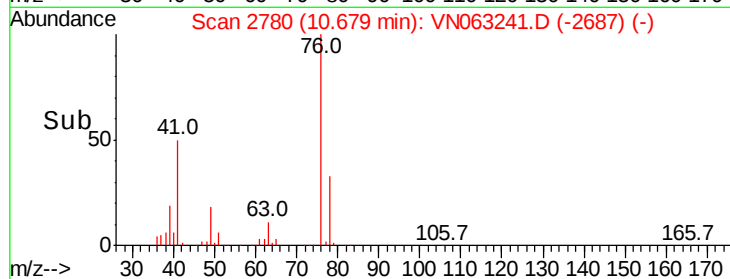
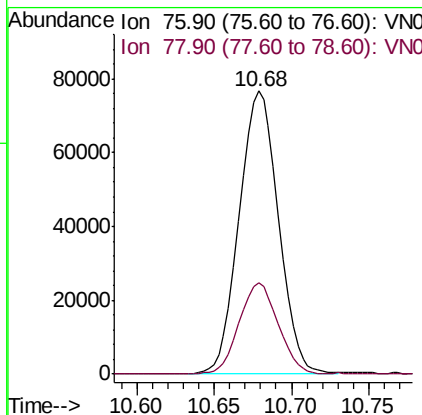
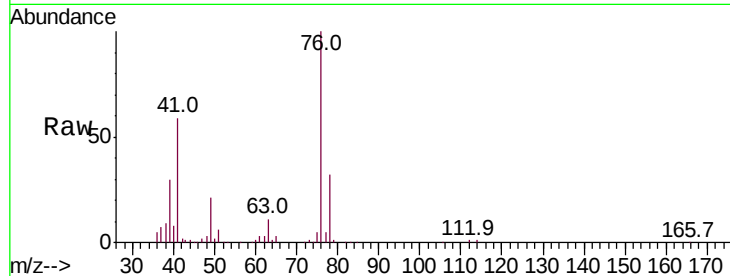




#57
 1,3-Dichloropropane
 Concen: 18.953 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN063241.D
 Acq: 4 Sep 2020 12:37

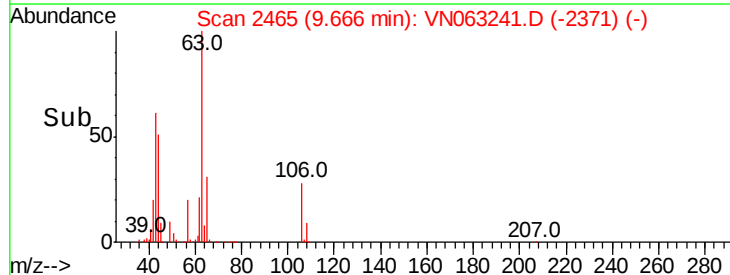
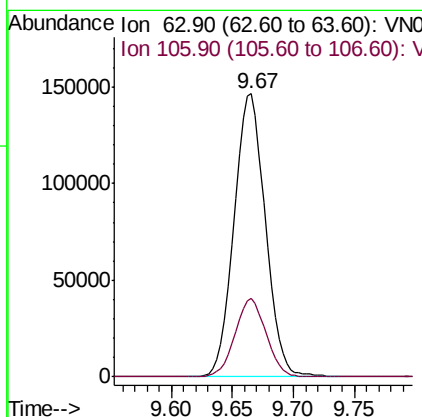
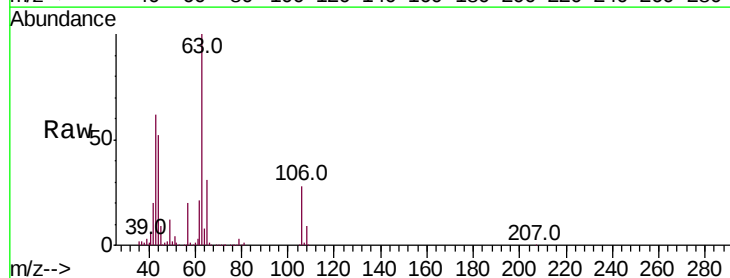
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0904MBS01

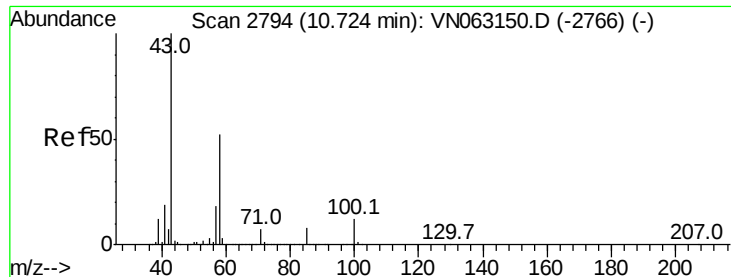
Tot Ion: 76 Resp: 135650
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 82.456 ug/l
 RT: 9.67 min Scan# 2465
 Delta R.T. 0.00 min
 Lab File: VN063241.D
 Acq: 4 Sep 2020 12:37

Tgt Ion: 63 Resp: 261059
 Ion Ratio Lower Upper
 63 100
 106 27.4 21.8 32.6

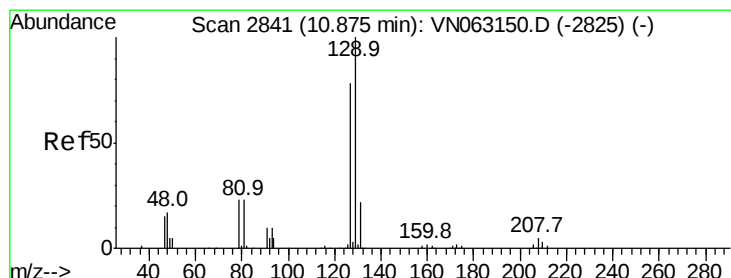
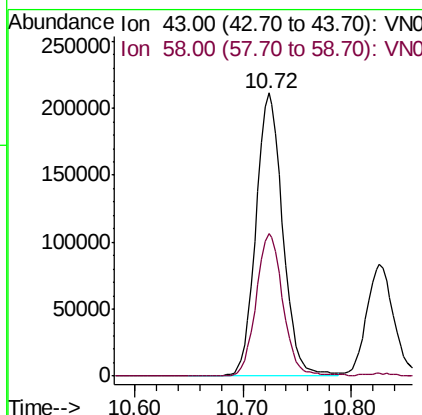
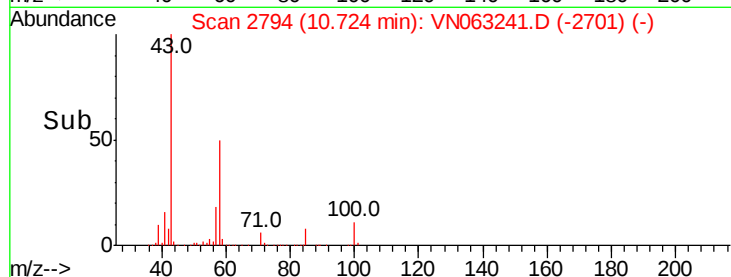
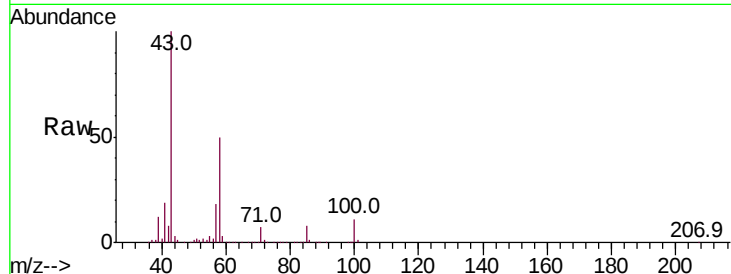




#59
2-Hexanone
Concen: 101.422 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

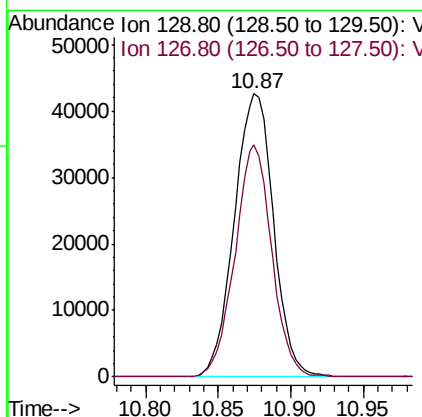
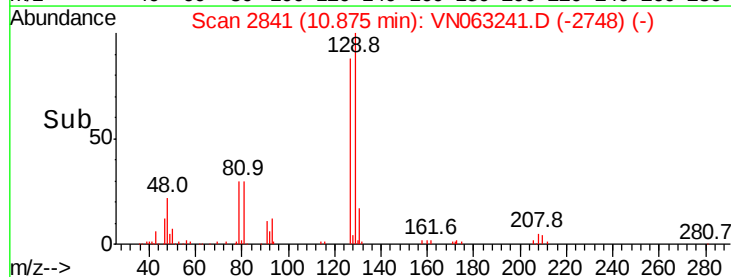
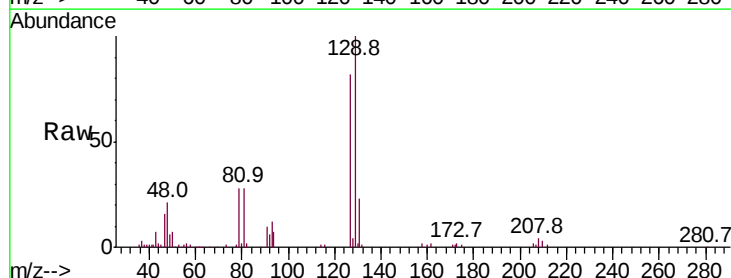
Instrument :
MSVOA_N
ClientSampleId :
VN0904MBS01

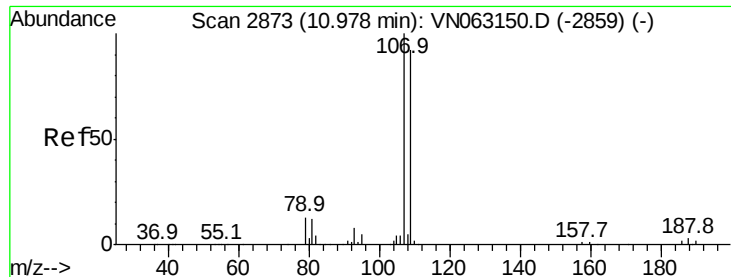
Tot Ion: 43 Resp: 361990
Ion Ratio Lower Upper
43 100
58 50.4 25.9 77.8



#60
Dibromochloromethane
Concen: 18.031 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

Tgt Ion: 129 Resp: 80085
Ion Ratio Lower Upper
129 100
127 76.9 39.0 117.0





#61

1,2-Dibromoethane

Concen: 18.934 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. 0.00 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

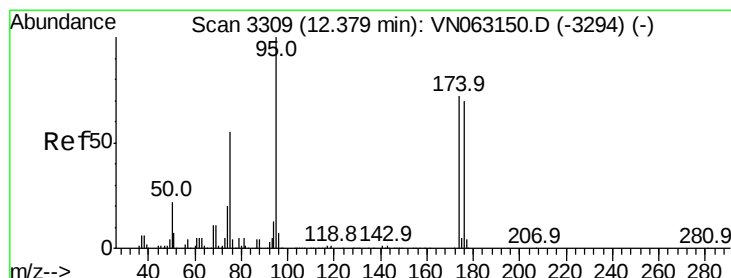
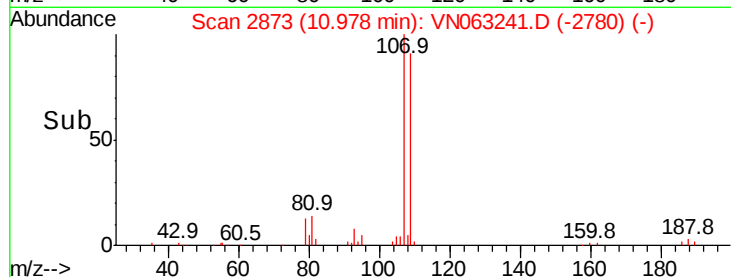
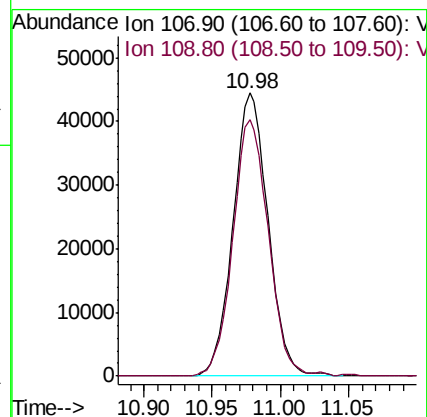
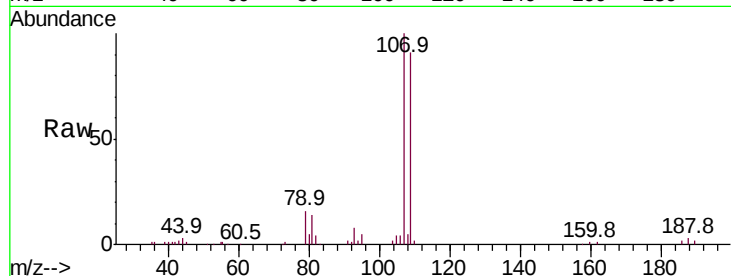
VN0904MBS01

Tot Ion:107 Resp: 79075

Ion Ratio Lower Upper

107 100

109 92.0 73.4 110.0



#62

4-Bromofluorobenzene

Concen: 44.808 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

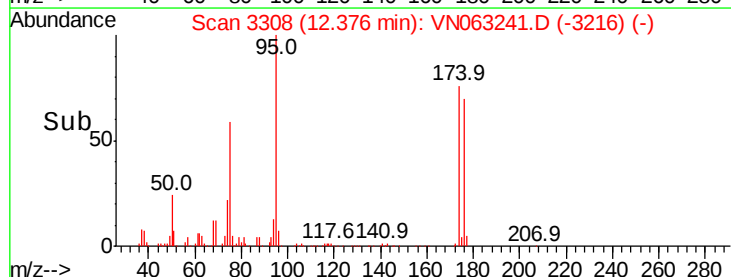
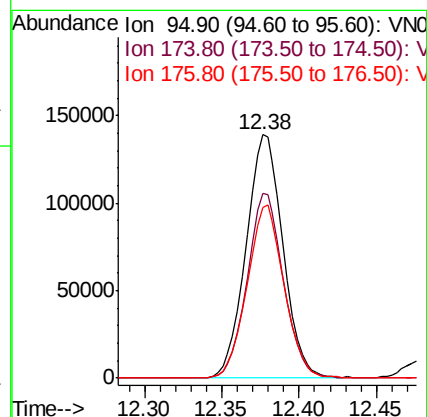
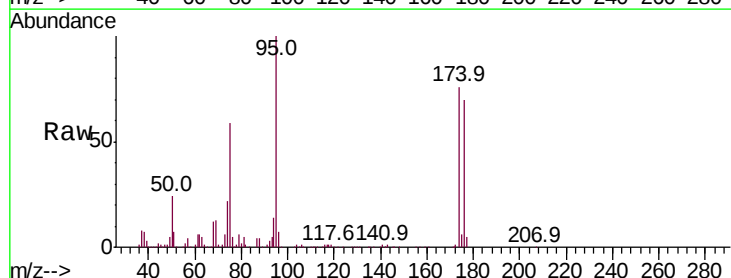
Tgt Ion: 95 Resp: 230719

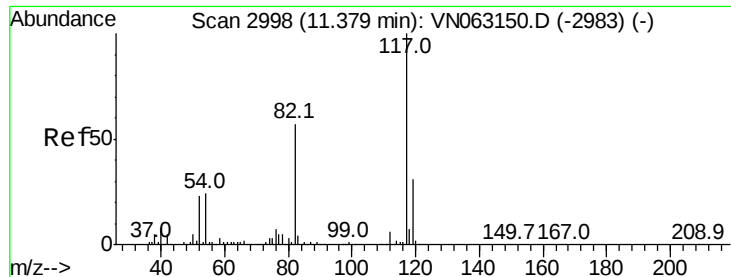
Ion Ratio Lower Upper

95 100

174 74.6 0.0 143.8

176 71.1 0.0 138.4

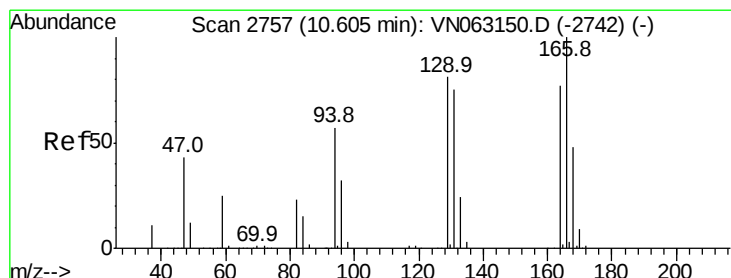
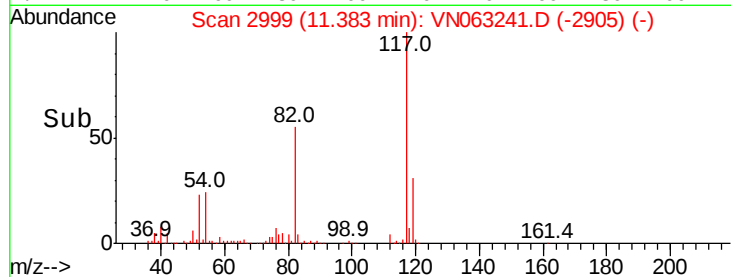
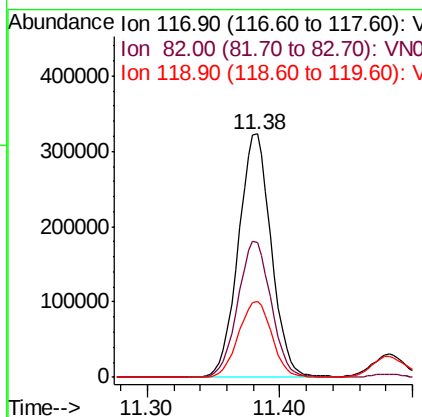
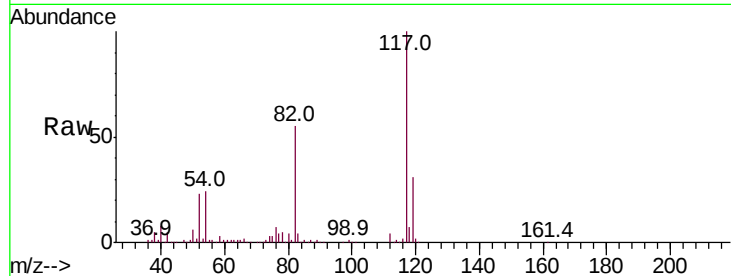




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2999
Delta R.T. 0.00 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

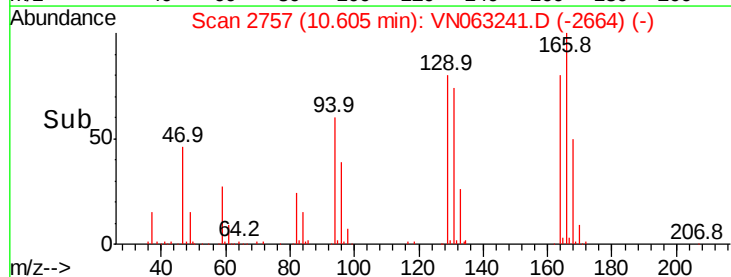
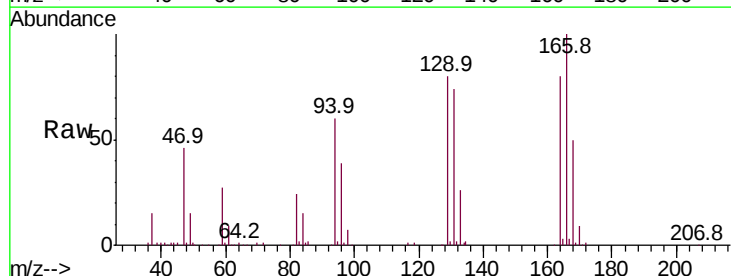
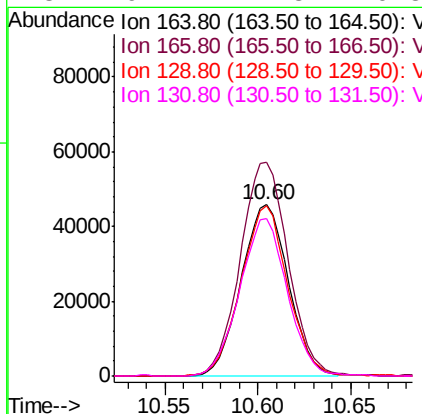
Instrument :
MSVOA_N
ClientSampleId :
VN0904MBS01

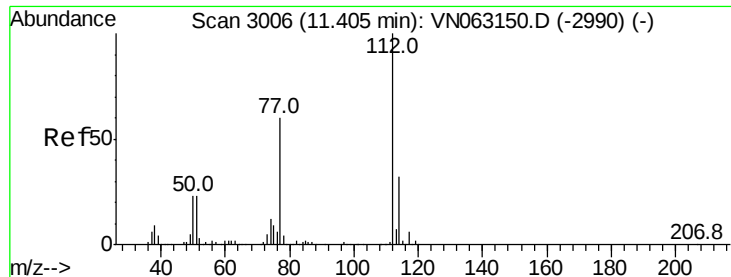
Tot Ion:117 Resp: 556791
Ion Ratio Lower Upper
117 100
82 55.3 45.4 68.0
119 31.2 24.6 37.0



#64
Tetrachloroethene
Concen: 20.387 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

Tgt Ion:164 Resp: 81515
Ion Ratio Lower Upper
164 100
166 124.6 103.4 155.2
129 99.0 83.4 125.0
131 92.2 77.8 116.8

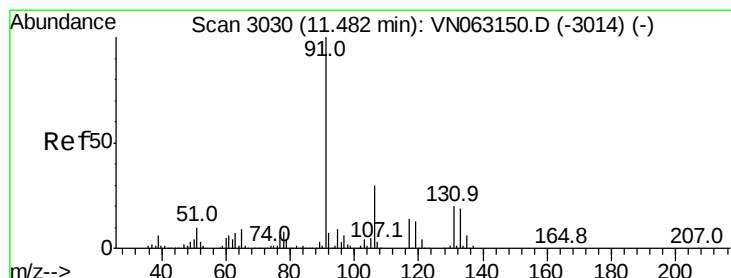
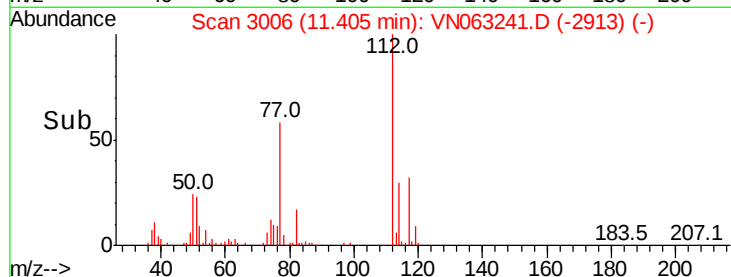
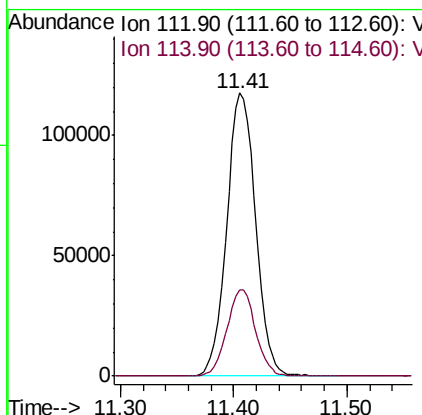
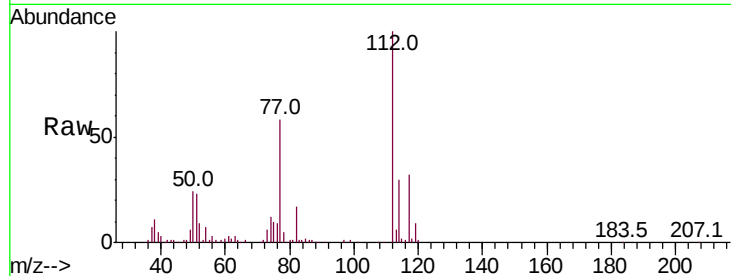




#65
Chlorobenzene
Concen: 18.653 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

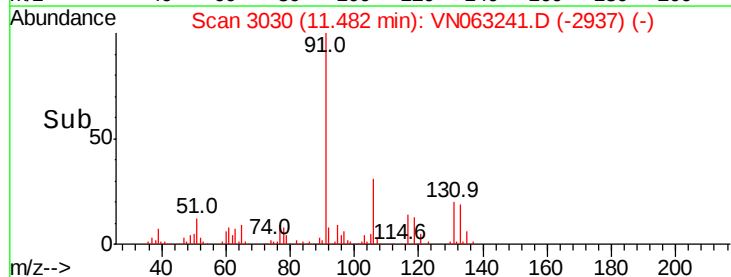
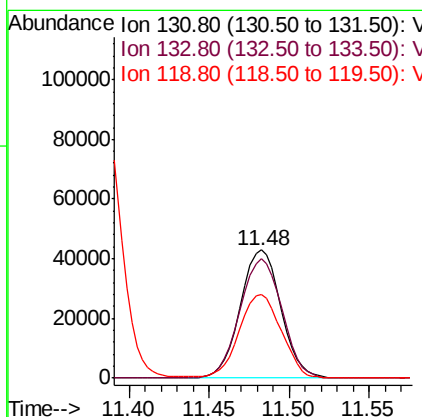
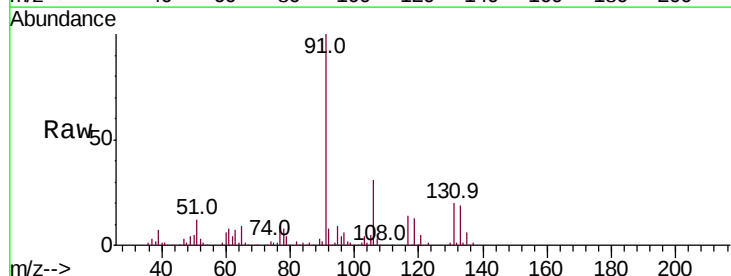
Instrument :
MSVOA_N
ClientSampled :
VN0904MBS01

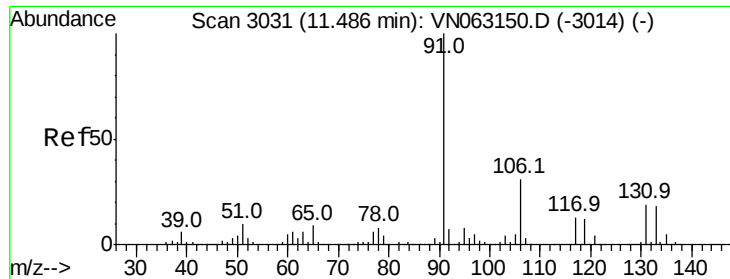
Tot Ion:112 Resp: 209179
Ion Ratio Lower Upper
112 100
114 30.3 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 17.911 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

Tgt Ion:131 Resp: 74574
Ion Ratio Lower Upper
131 100
133 96.5 47.3 142.0
119 67.0 32.4 97.0

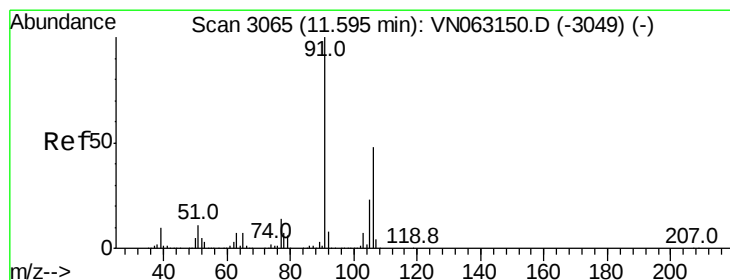
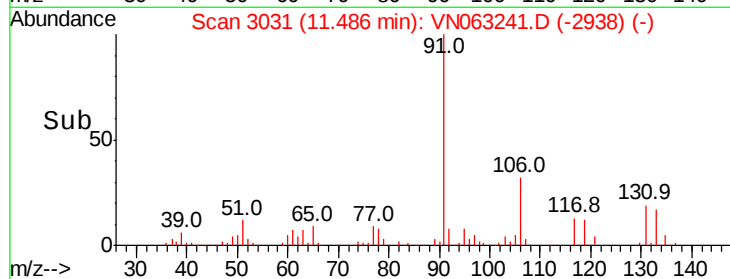
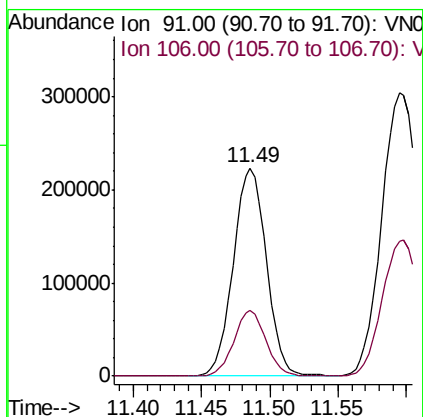
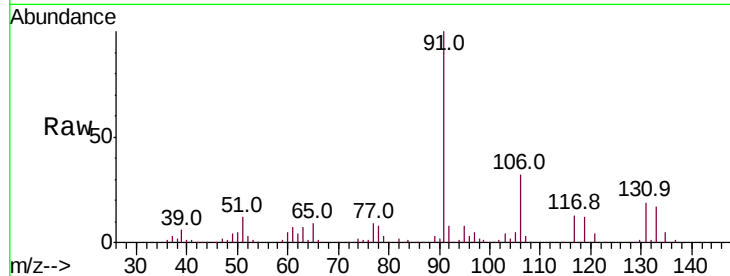




#67
Ethyl Benzene
Concen: 18.448 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

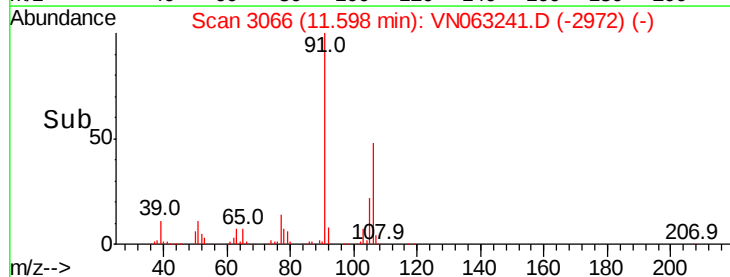
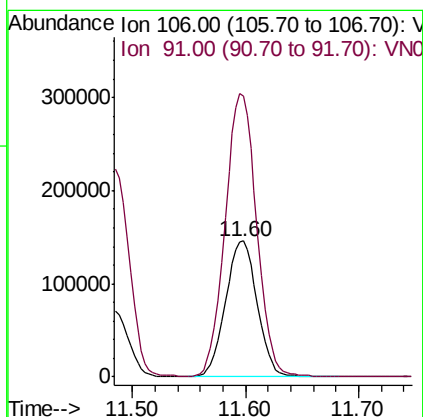
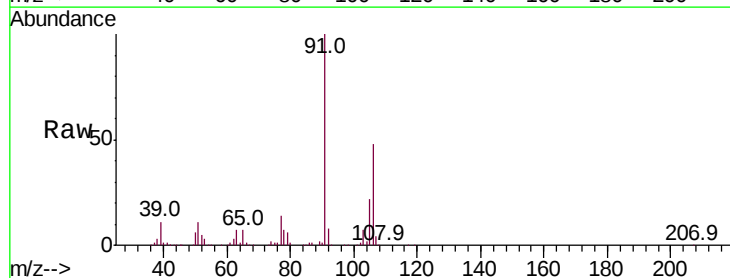
Instrument :
MSVOA_N
ClientSampleId :
VN0904MBS01

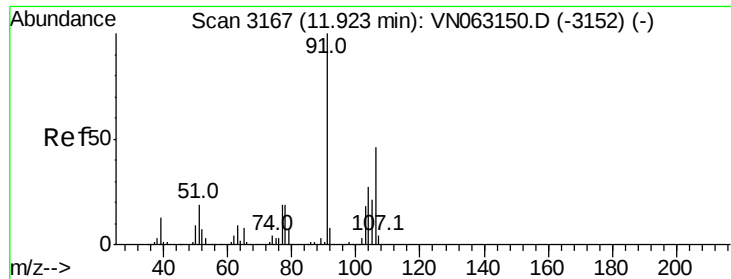
Tot Ion: 91 Resp: 377409
Ion Ratio Lower Upper
91 100
106 31.7 24.4 36.6



#68
m/p-Xylenes
Concen: 37.434 ug/l
RT: 11.60 min Scan# 3066
Delta R.T. 0.00 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

Tgt Ion: 106 Resp: 283646
Ion Ratio Lower Upper
106 100
91 206.6 166.7 250.1

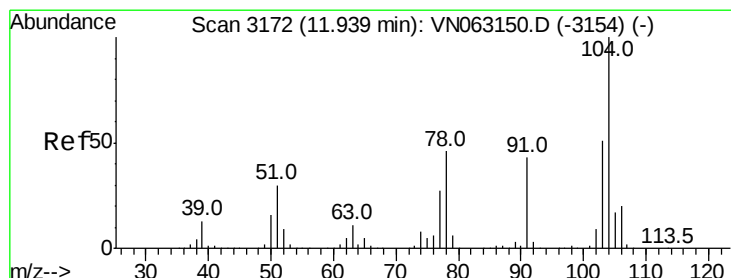
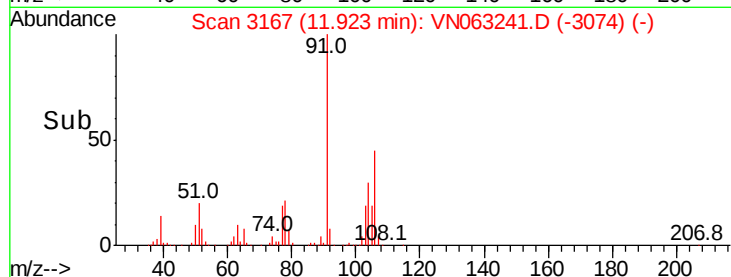
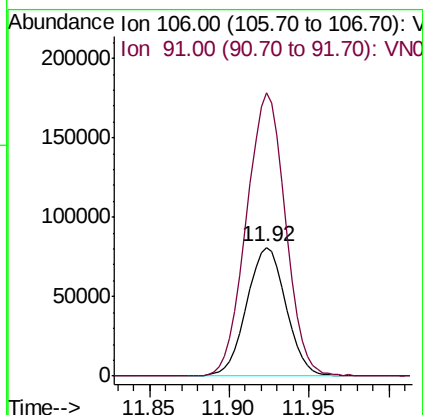
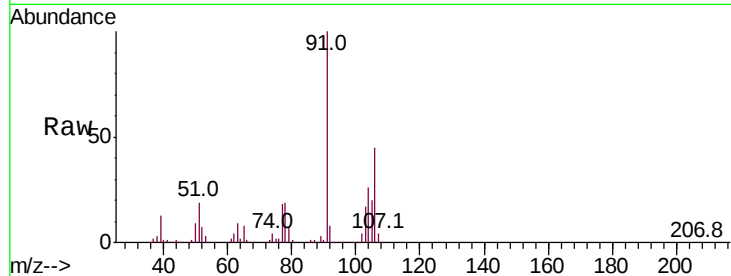




#69
o-Xylene
Concen: 18.562 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

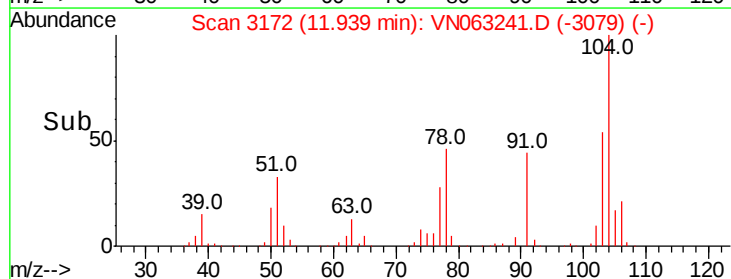
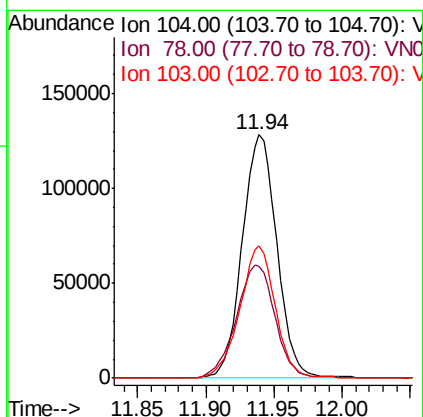
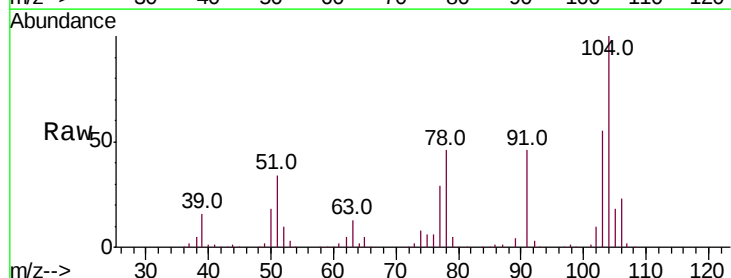
Instrument :
MSVOA_N
ClientSampleId :
VN0904MBS01

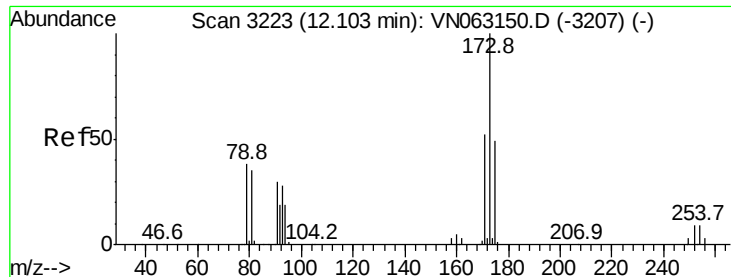
Tot Ion:106 Resp: 135871
Ion Ratio Lower Upper
106 100
91 219.6 108.6 325.6



#70
Styrene
Concen: 17.931 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

Tgt Ion:104 Resp: 225569
Ion Ratio Lower Upper
104 100
78 51.9 41.0 61.6
103 55.8 43.8 65.8

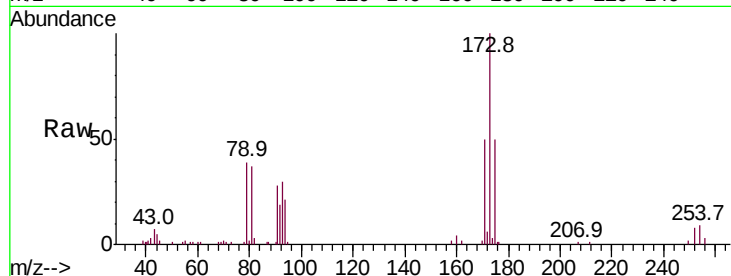




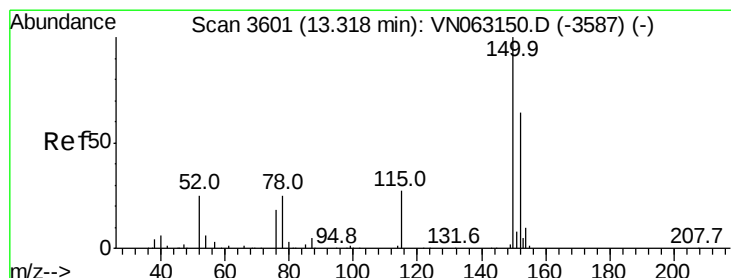
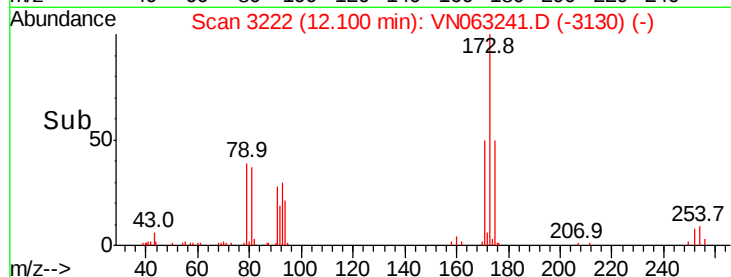
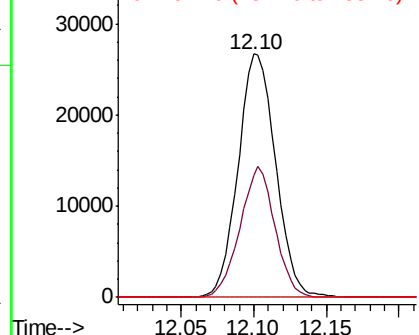
#71
Bromoform
Concen: 16.969 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VN0904MBS01

Tot Ion:173 Resp: 47948
Ion Ratio Lower Upper
173 100
175 49.8 24.6 73.8
254 0.0 0.0 0.0

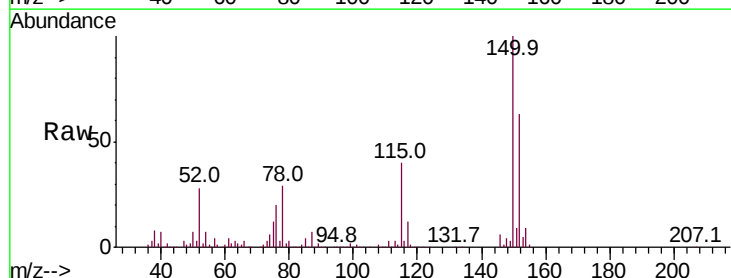


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

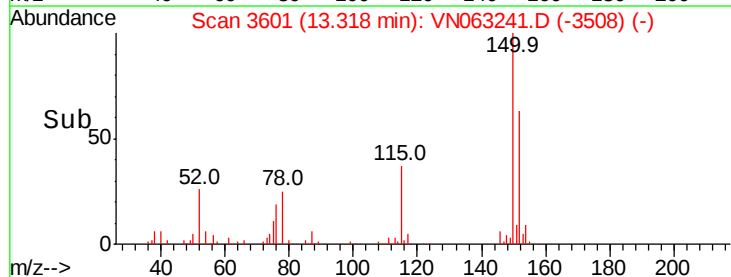
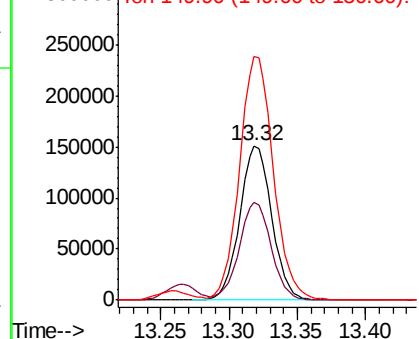


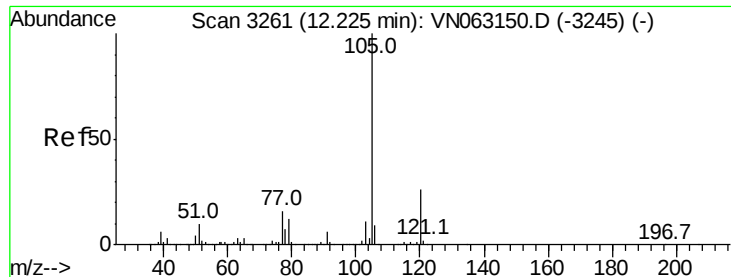
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

Tgt Ion:152 Resp: 245867
Ion Ratio Lower Upper
152 100
115 63.2 32.0 96.2
150 166.7 0.0 353.0



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





#73

Isopropylbenzene

Concen: 19.201 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

Instrument :

MSVOA_N

ClientSampled :

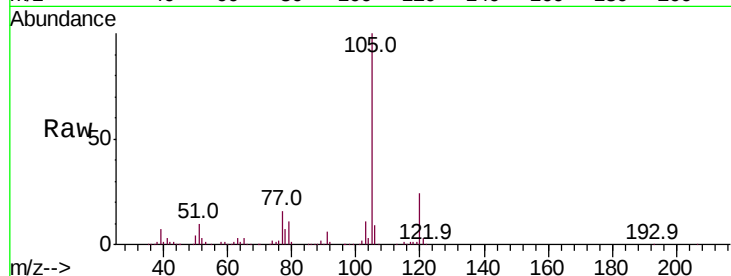
VN0904MBS01

Tot Ion:105 Resp: 362079

Ion Ratio Lower Upper

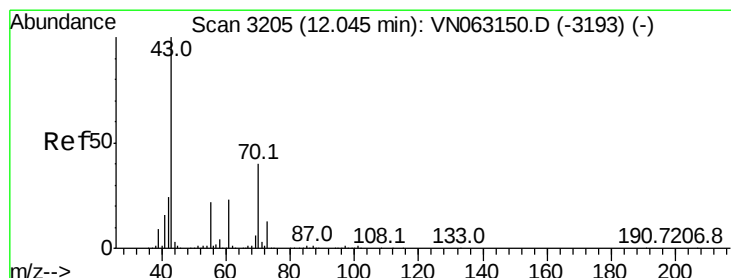
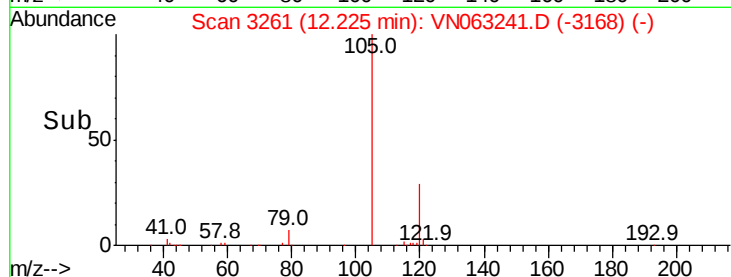
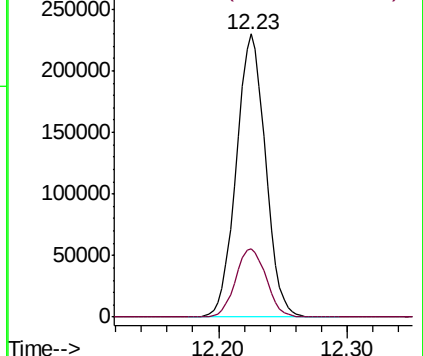
105 100

120 25.3 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.974 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

Tgt Ion: 43 Resp: 140400

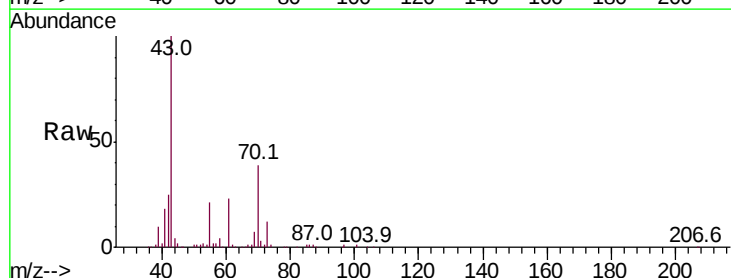
Ion Ratio Lower Upper

43 100

70 37.3 32.1 48.1

55 21.5 17.4 26.0

61 22.2 18.6 27.8

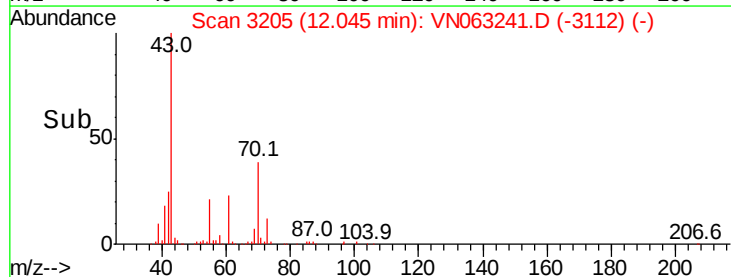
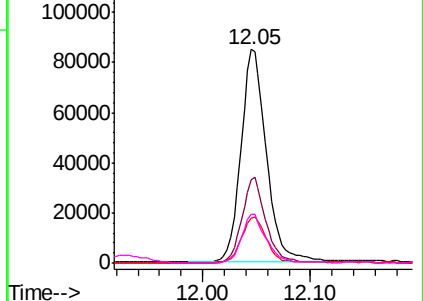


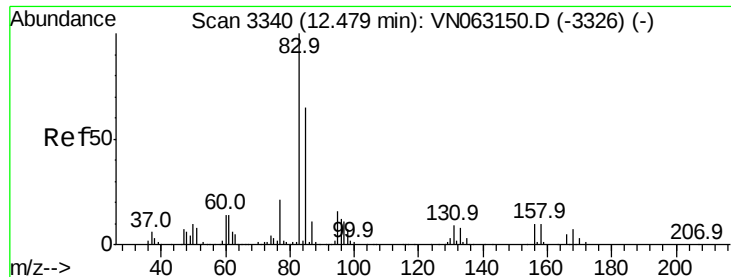
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.125 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VN0904MBS01

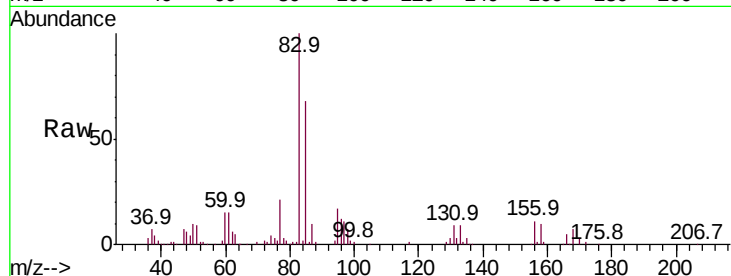
Tot Ion: 83 Resp: 103977

Ion	Ratio	Lower	Upper
83	100		
131	8.9	4.7	14.0
85	66.3	32.7	98.1

83 100

131 8.9 4.7 14.0

85 66.3 32.7 98.1



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0

12.48

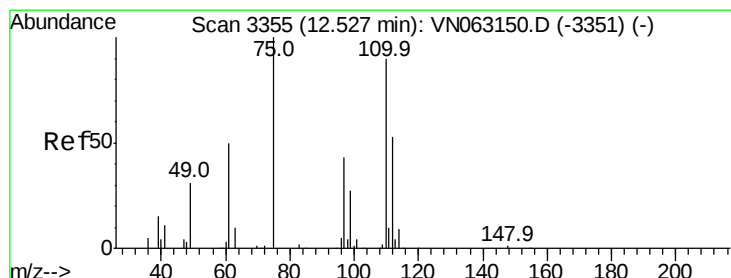
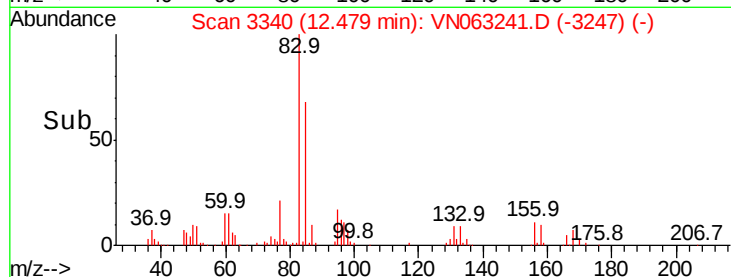
60000

40000

20000

0

Time--> 12.40 12.45 12.50



#76

1,2,3-Trichloropropane

Concen: 28.468 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN063241.D

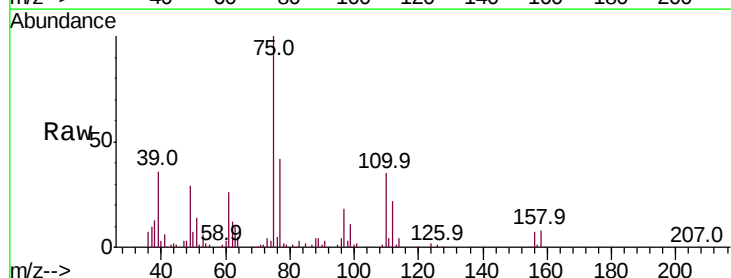
Acq: 4 Sep 2020 12:37

Tgt Ion: 75 Resp: 137524

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

100000

80000

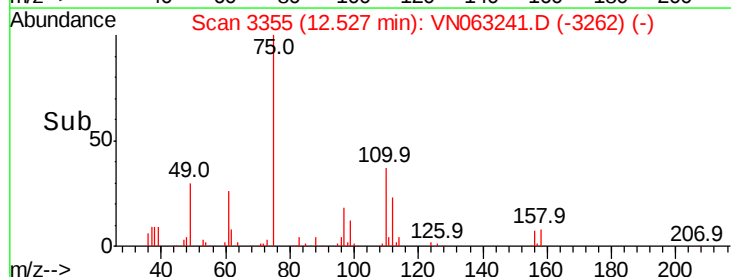
60000

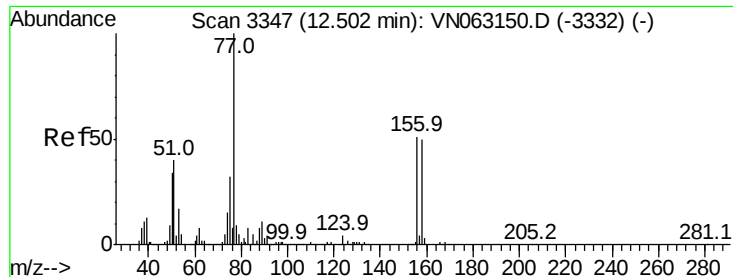
40000

20000

0

Time--> 12.40 12.50 12.60





#77

Bromobenzene

Concen: 19.032 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VN0904MBS01

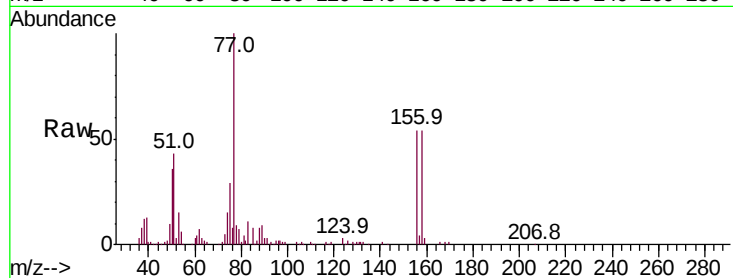
Tot Ion:156 Resp: 81167

Ion Ratio Lower Upper

156 100

77 226.9 116.1 348.3

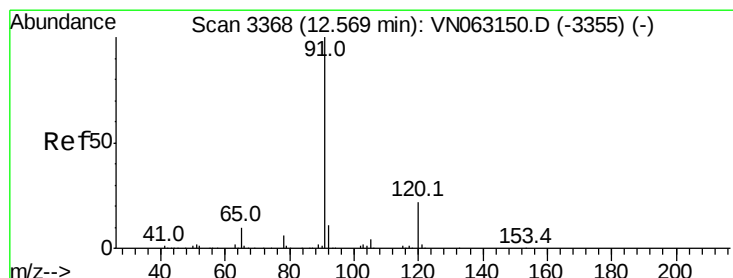
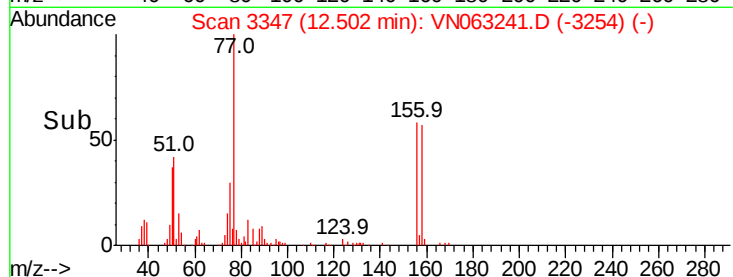
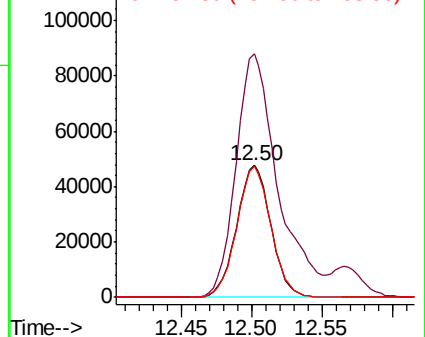
158 98.9 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.225 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN063241.D

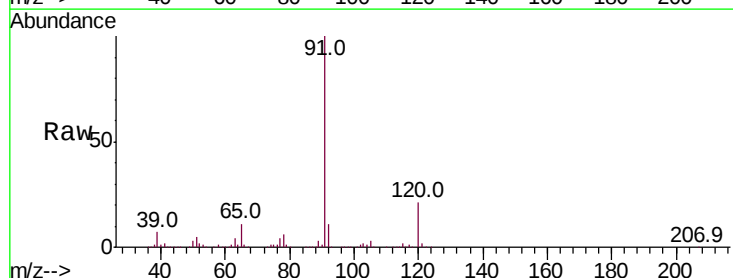
Acq: 4 Sep 2020 12:37

Tgt Ion: 91 Resp: 419516

Ion Ratio Lower Upper

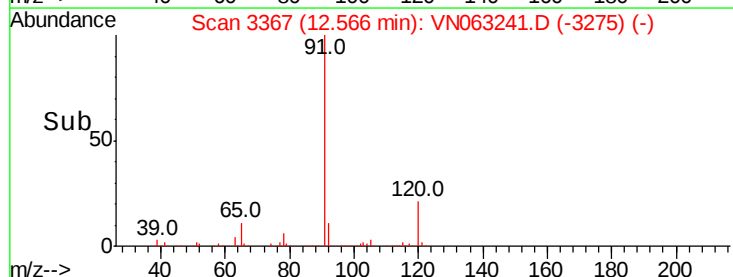
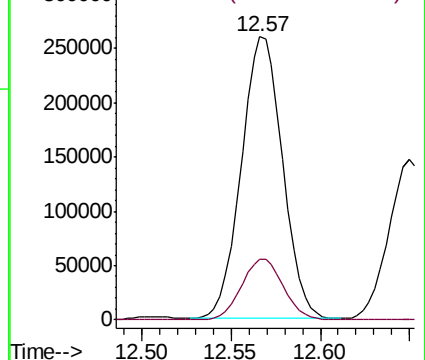
91 100

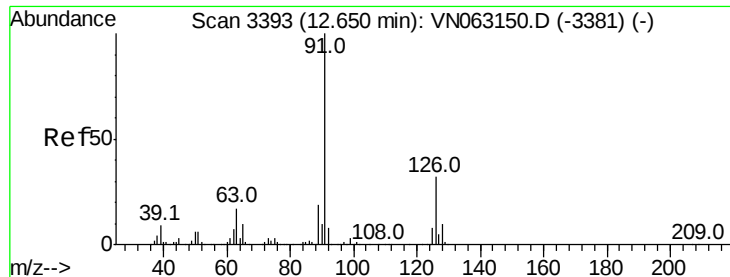
120 21.8 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.664 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

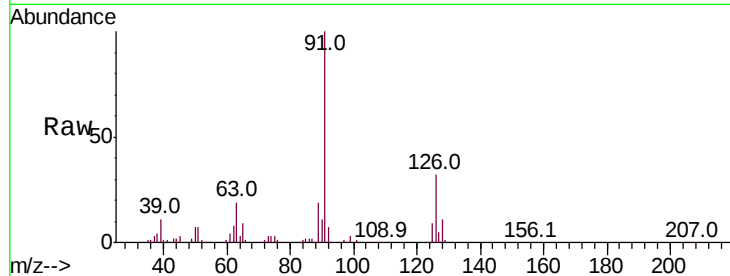
VN0904MBS01

Tot Ion: 91 Resp: 243938

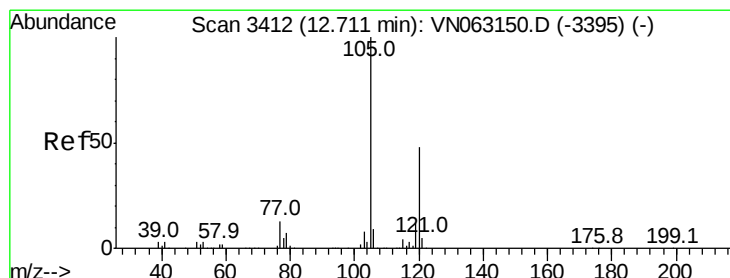
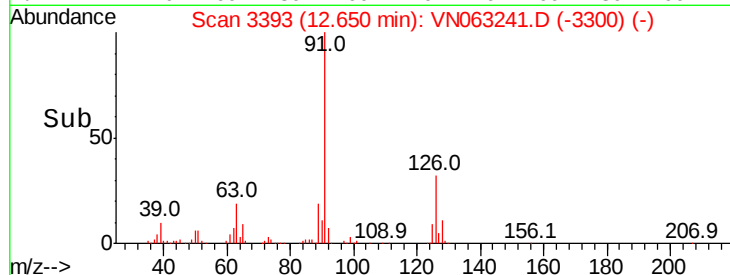
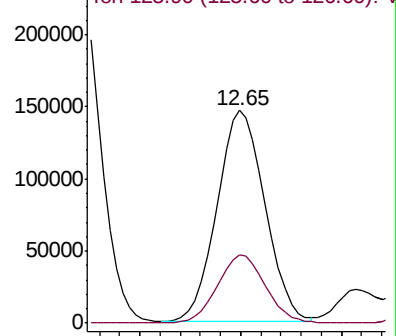
Ion Ratio Lower Upper

91 100

126 32.4 16.1 48.3



Abundance Ion 91.00 (90.70 to 91.70): VN063150.D (-3381) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.960 ug/l

RT: 12.71 min Scan# 3412

Delta R.T. 0.00 min

Lab File: VN063241.D

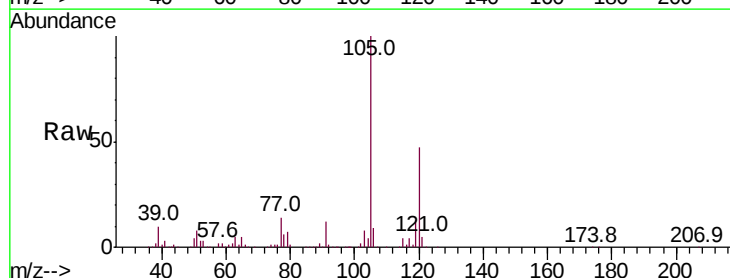
Acq: 4 Sep 2020 12:37

Tgt Ion:105 Resp: 297603

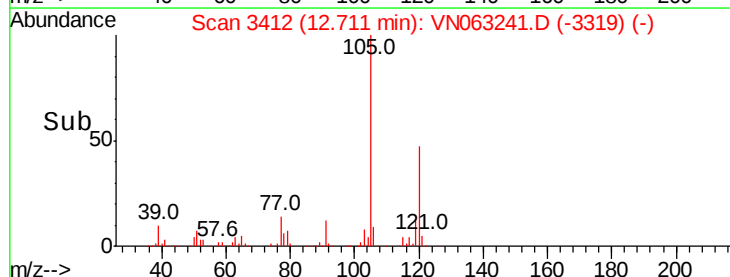
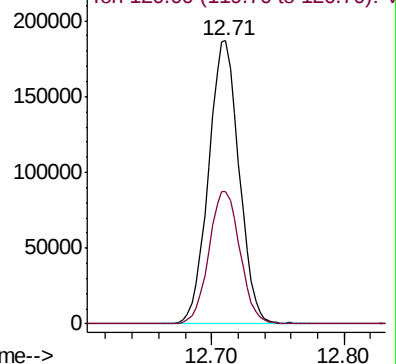
Ion Ratio Lower Upper

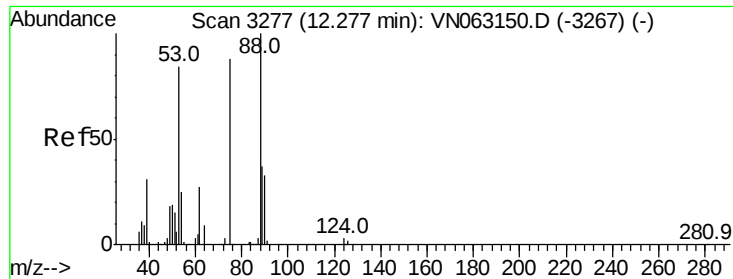
105 100

120 47.9 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): VN063150.D (-3395) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 16.286 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VN0904MBS01

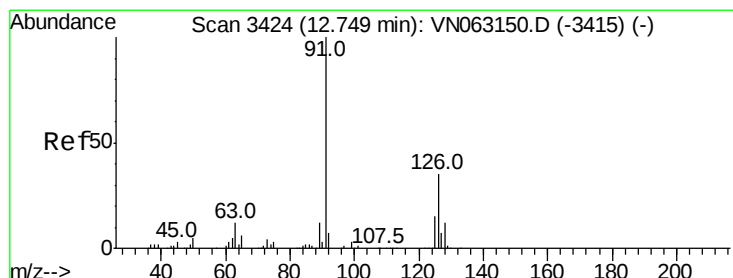
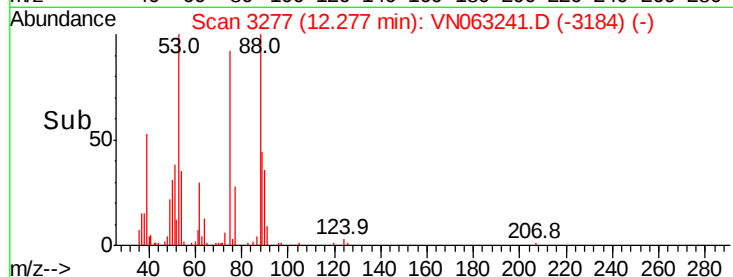
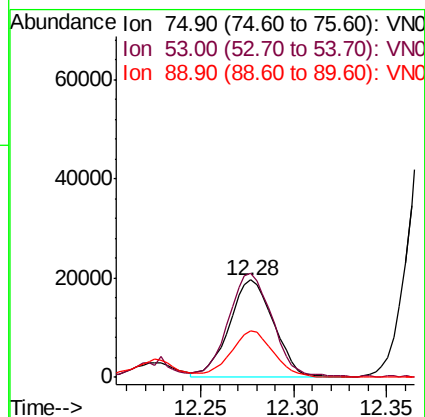
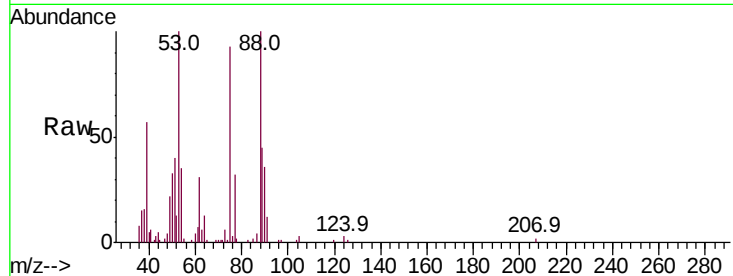
Tot Ion: 75 Resp: 32550

Ion Ratio Lower Upper

75 100

53 104.8 78.7 118.1

89 47.1 35.3 52.9



#82

4-Chlorotoluene

Concen: 18.234 ug/l

RT: 12.75 min Scan# 3424

Delta R.T. 0.00 min

Lab File: VN063241.D

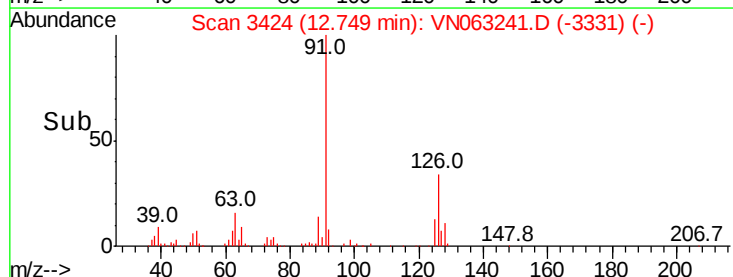
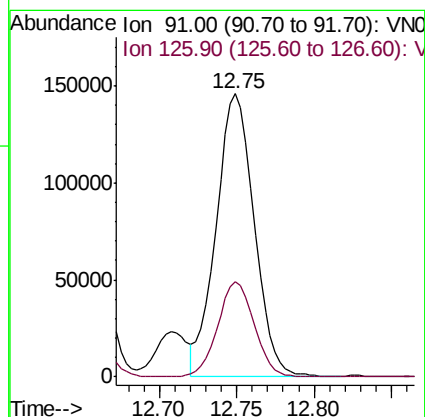
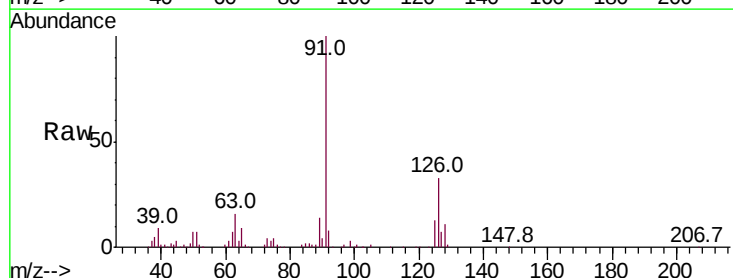
Acq: 4 Sep 2020 12:37

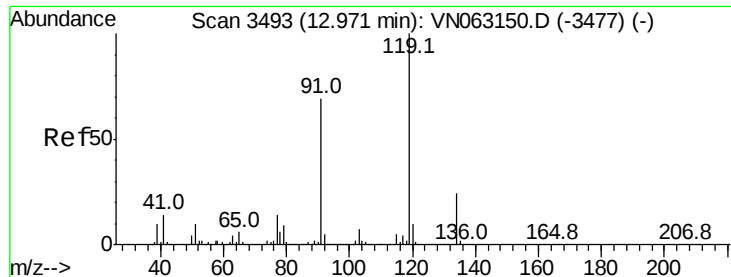
Tgt Ion: 91 Resp: 247163

Ion Ratio Lower Upper

91 100

126 32.2 16.2 48.5

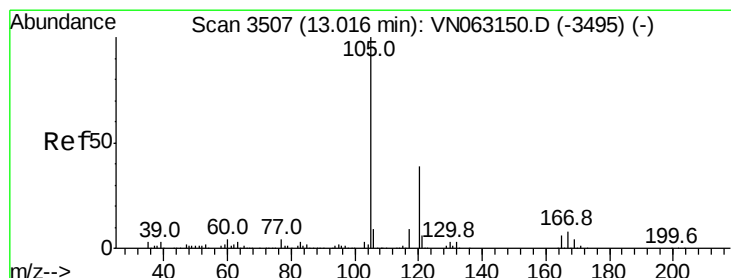
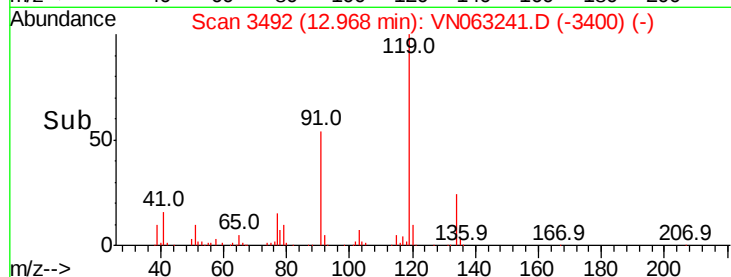
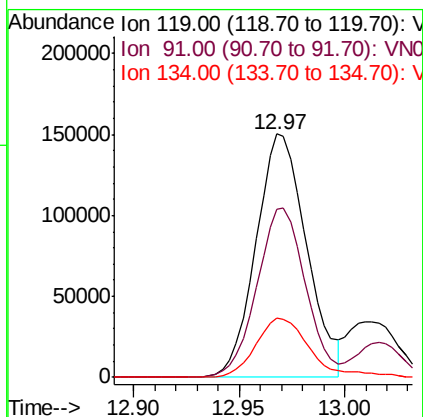
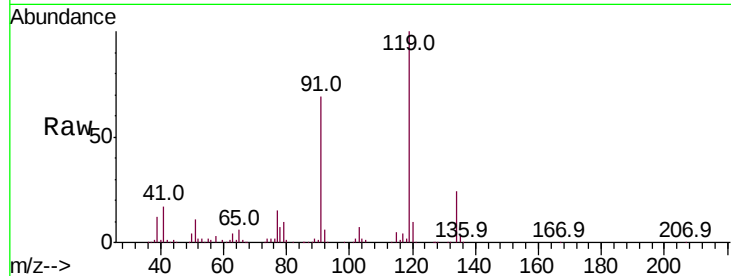




#83
tert-Butylbenzene
Concen: 18.650 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

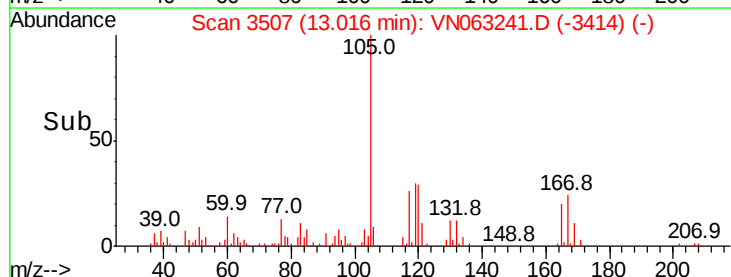
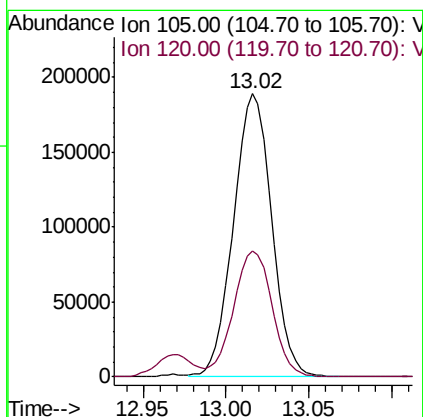
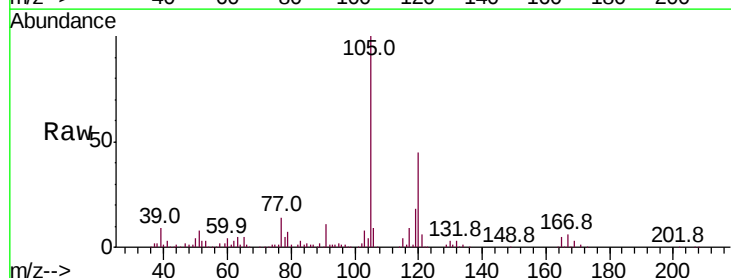
Instrument :
MSVOA_N
ClientSampleId :
VN0904MBS01

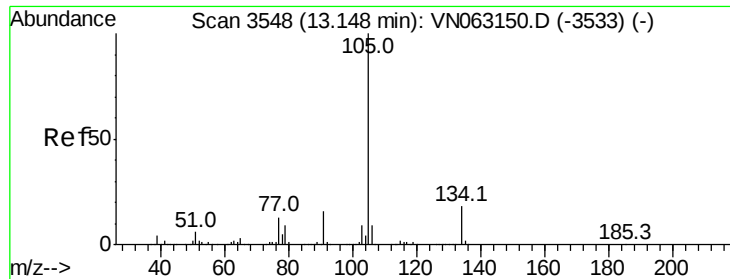
Tot Ion:119 Resp: 251058
Ion Ratio Lower Upper
119 100
91 66.8 33.7 101.0
134 26.2 12.0 36.0



#84
1,2,4-Trimethylbenzene
Concen: 19.012 ug/l
RT: 13.02 min Scan# 3507
Delta R.T. 0.00 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

Tgt Ion:105 Resp: 300801
Ion Ratio Lower Upper
105 100
120 45.2 22.6 67.7





#85

sec-Butylbenzene

Concen: 19.412 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

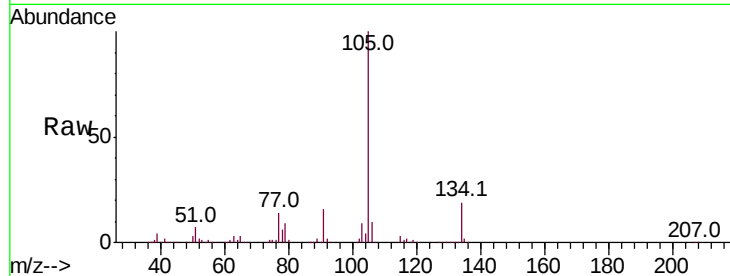
VN0904MBS01

Tot Ion:105 Resp: 340576

Ion Ratio Lower Upper

105 100

134 18.6 9.4 28.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

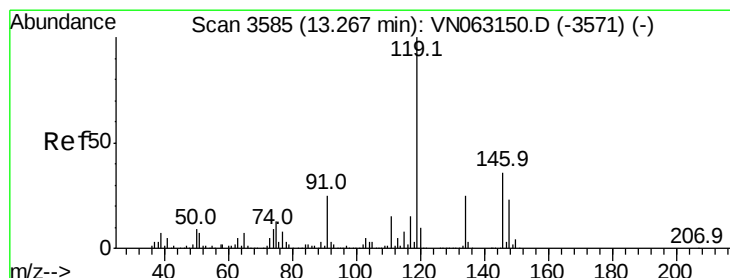
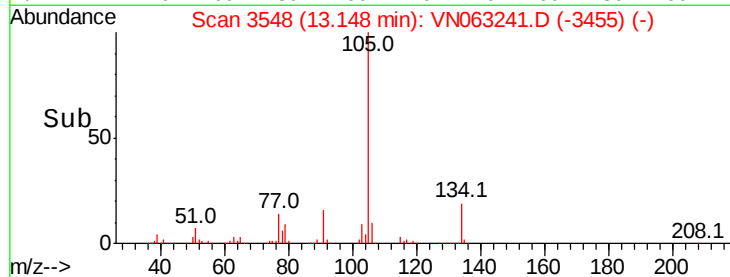
100000

50000

0

13.10 13.15 13.20

Time-->



#86

p-Isopropyltoluene

Concen: 19.443 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

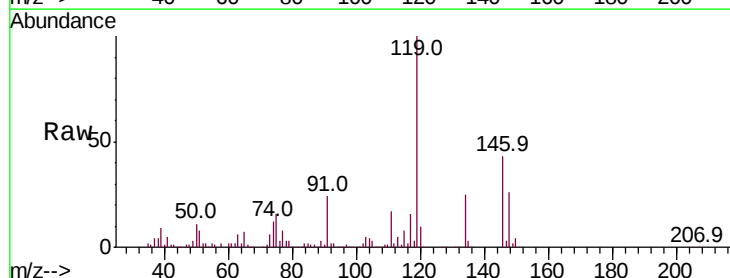
Tgt Ion:119 Resp: 302847

Ion Ratio Lower Upper

119 100

134 25.5 12.4 37.4

91 24.5 12.2 36.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

250000

200000

150000

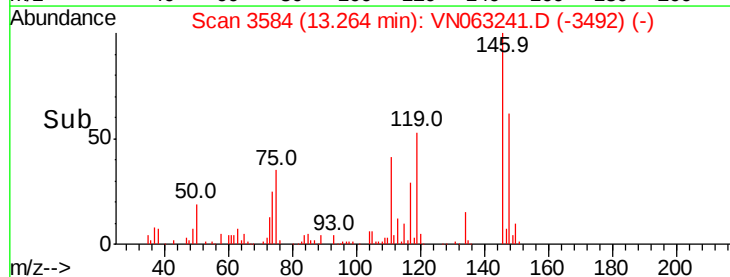
100000

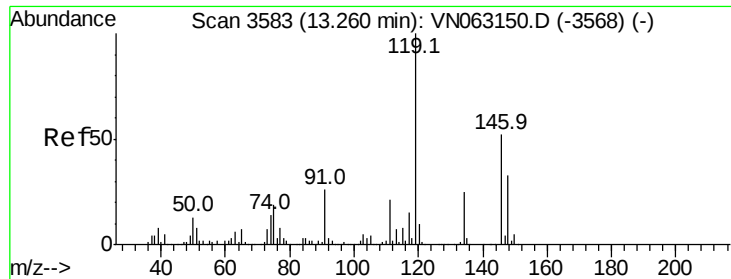
50000

0

13.20 13.30 13.40

Time-->

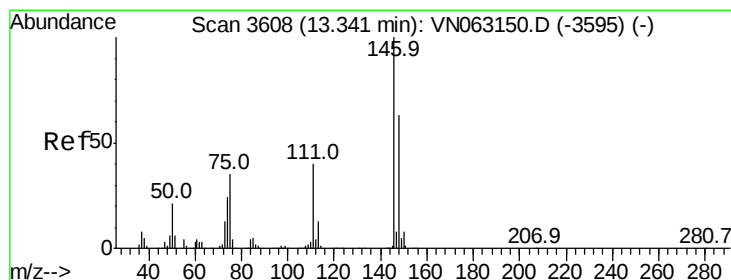
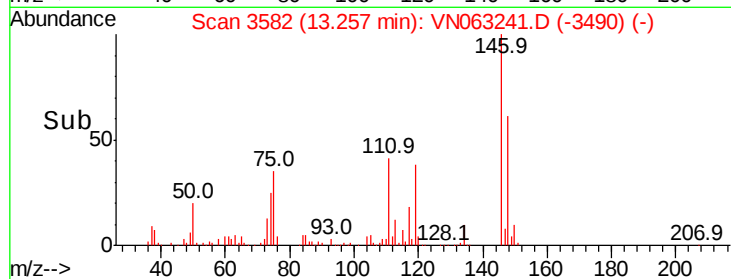
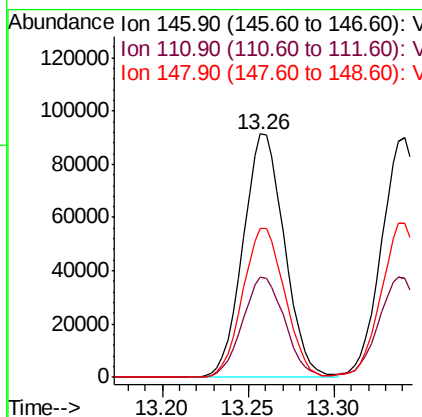
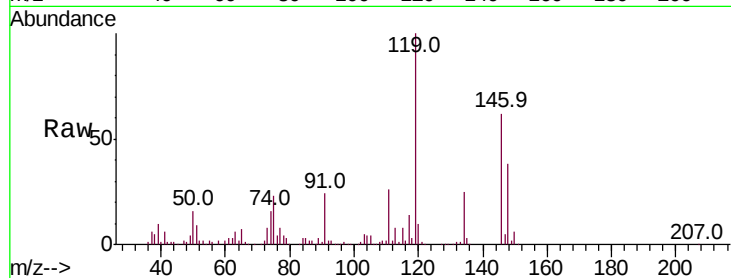




#87
 1,3-Dichlorobenzene
 Concen: 19.504 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN063241.D
 Acq: 4 Sep 2020 12:37

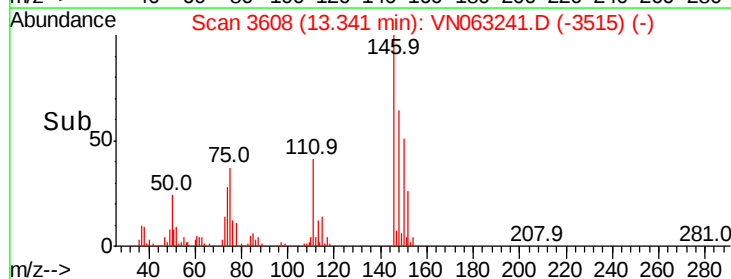
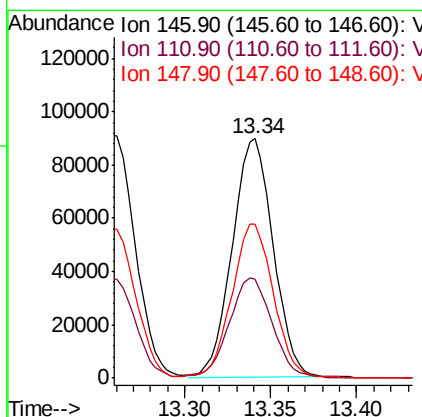
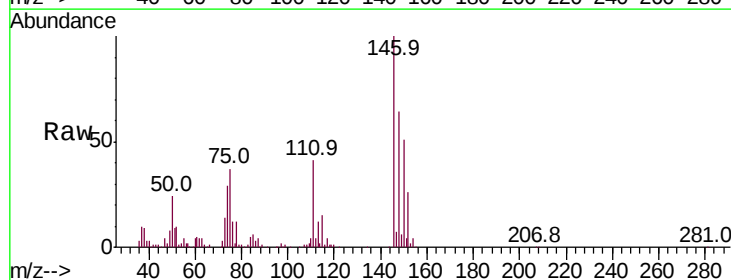
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0904MBS01

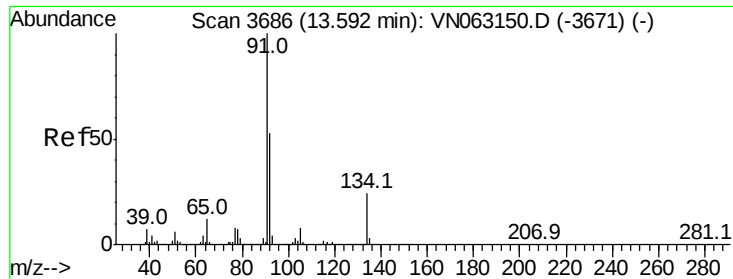
Tot Ion:146 Resp: 152809
 Ion Ratio Lower Upper
 146 100
 111 41.9 21.3 63.7
 148 62.2 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 18.285 ug/l
 RT: 13.34 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VN063241.D
 Acq: 4 Sep 2020 12:37

Tgt Ion:146 Resp: 148340
 Ion Ratio Lower Upper
 146 100
 111 44.4 20.5 61.5
 148 65.1 31.9 95.7

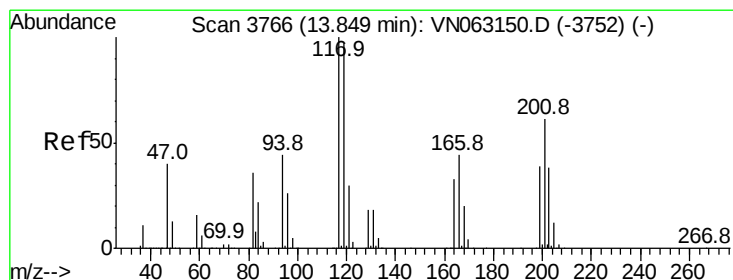
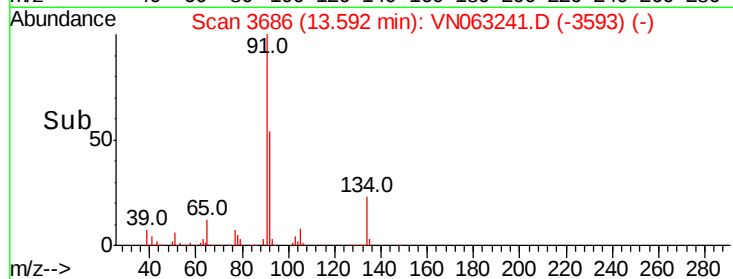
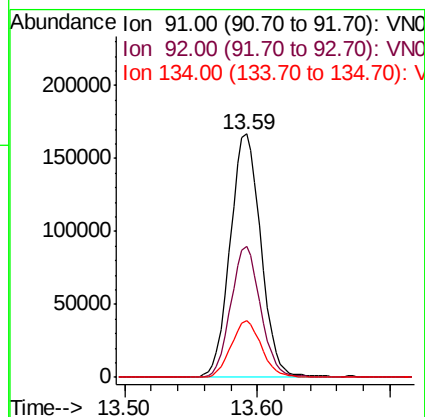
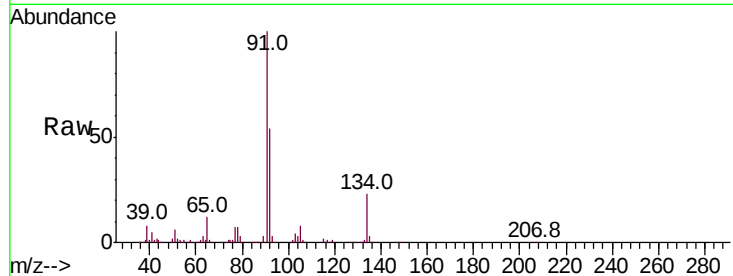




#89
n-Butylbenzene
Concen: 18.655 ug/l
RT: 13.59 min Scan# 3686
Delta R.T. 0.00 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

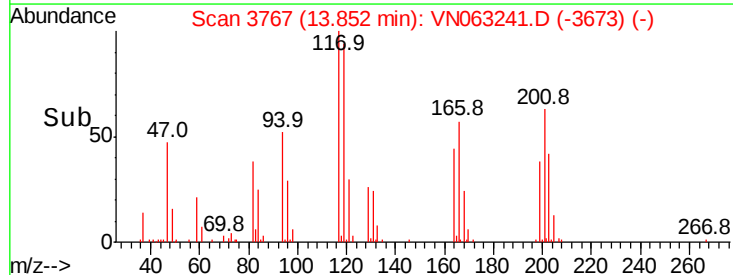
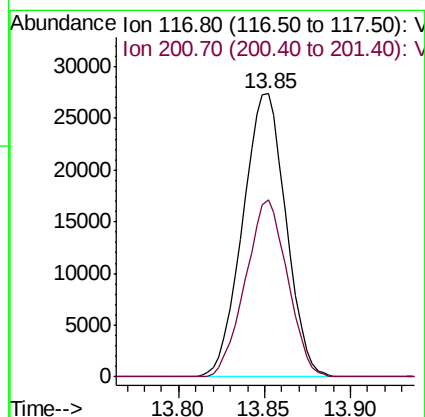
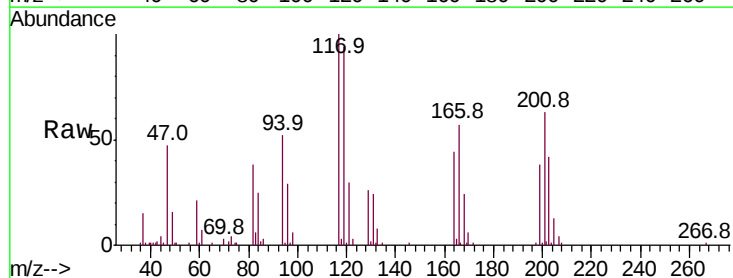
Instrument :
MSVOA_N
ClientSampleId :
VN0904MBS01

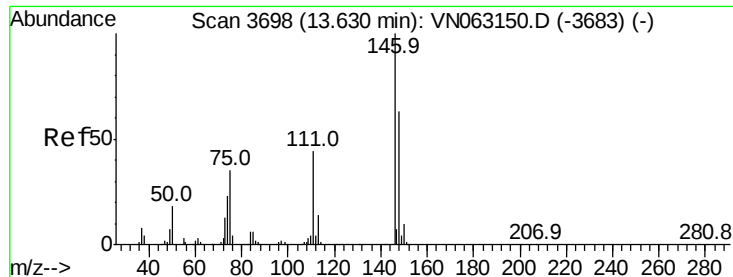
Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.3	78.8
134	23.0	12.0	36.0



#90
Hexachloroethane
Concen: 16.618 ug/l
RT: 13.85 min Scan# 3767
Delta R.T. 0.00 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	60.6	30.6	92.0

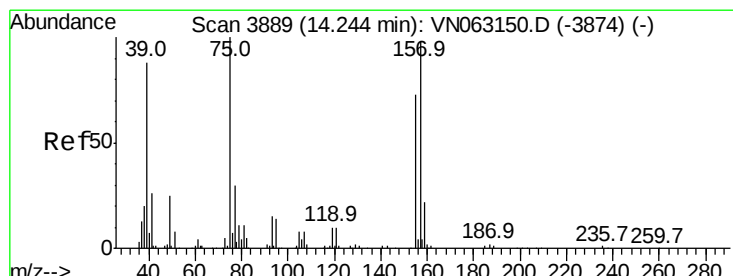
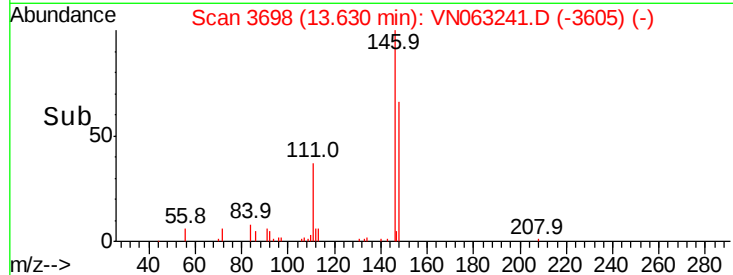
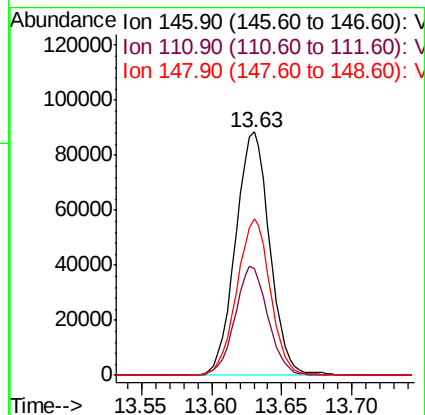
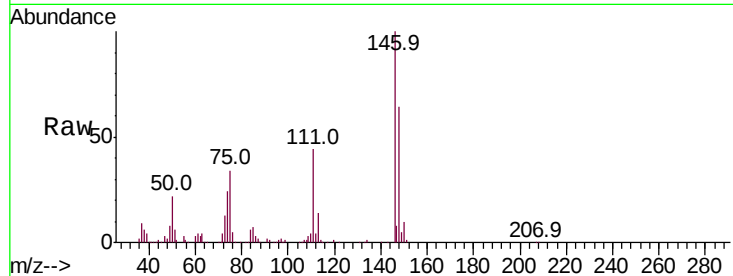




#91
 1,2-Dichlorobenzene
 Concen: 19.842 ug/l
 RT: 13.63 min Scan# 3698
 Delta R.T. 0.00 min
 Lab File: VN063241.D
 Acq: 4 Sep 2020 12:37

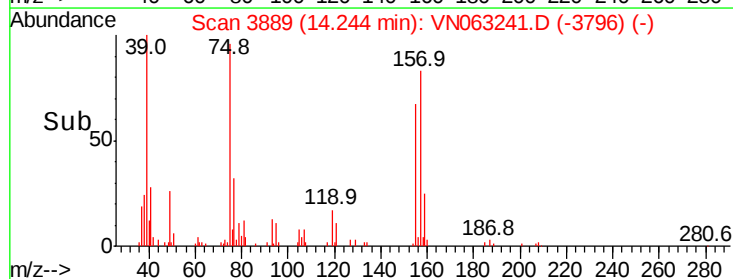
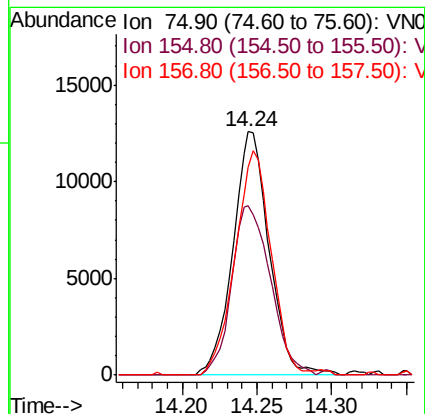
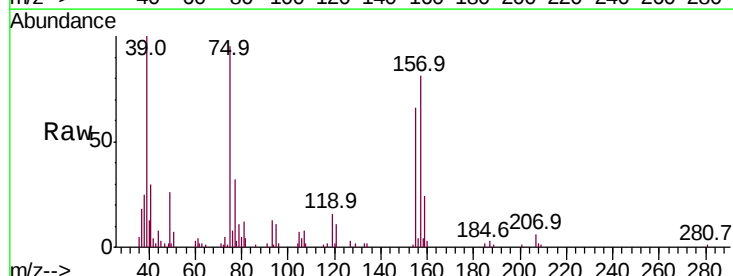
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0904MBS01

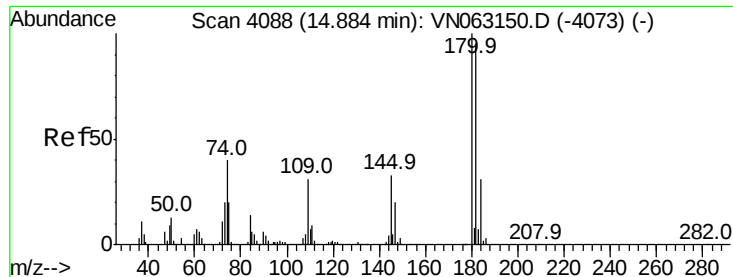
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	22.0	66.0
148	63.4	31.6	95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.744 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063241.D
 Acq: 4 Sep 2020 12:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.6	36.1	108.5
157	91.3	48.4	145.0

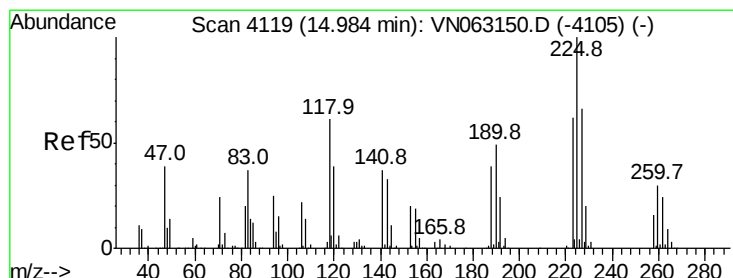
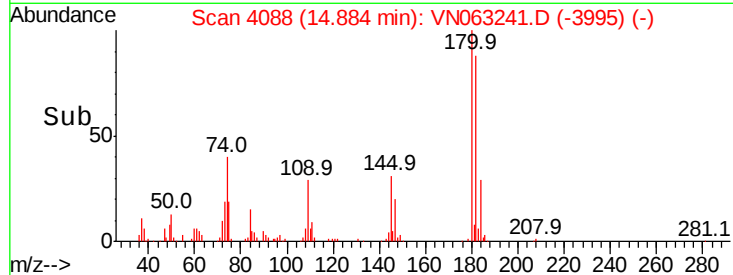
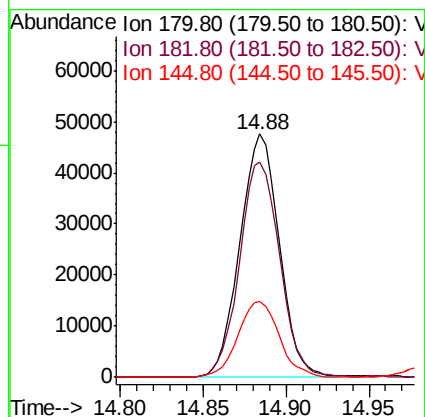
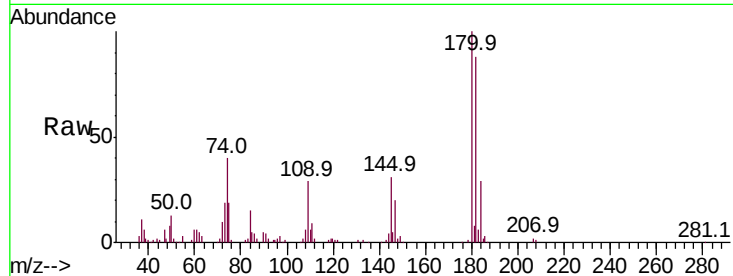




#93
 1,2,4-Trichlorobenzene
 Concen: 18.584 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN063241.D
 Acq: 4 Sep 2020 12:37

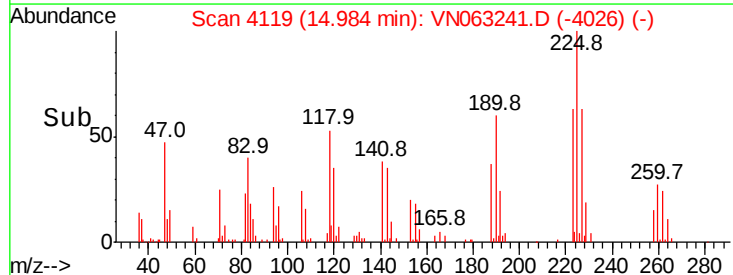
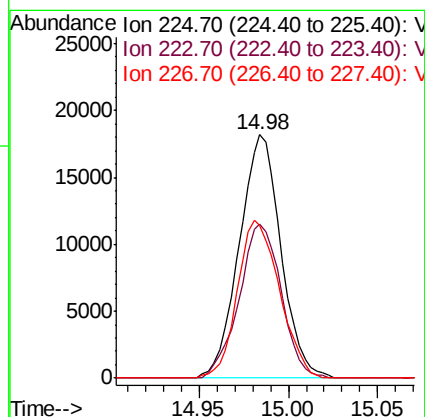
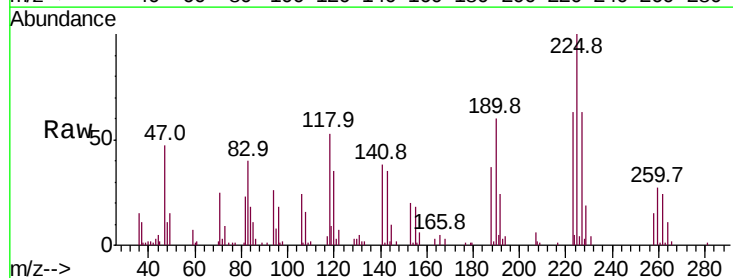
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0904MBS01

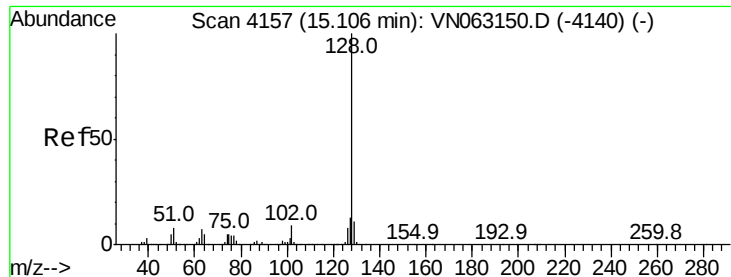
Tot Ion	Ratio	Lower	Upper
180	100		
182	90.3	47.5	142.5
145	32.7	16.6	49.8



#94
 Hexachlorobutadiene
 Concen: 18.614 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN063241.D
 Acq: 4 Sep 2020 12:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	30.9	92.7
227	65.5	32.9	98.7





#95

Naphthalene

Concen: 17.514 ug/l

RT: 15.11 min Scan# 4157

Delta R.T. 0.00 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VN0904MBS01

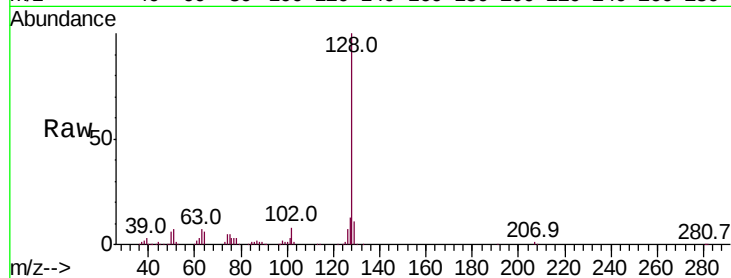
Tot Ion:128 Resp: 248205

Ion Ratio Lower Upper

128 100

127 13.6 10.5 15.7

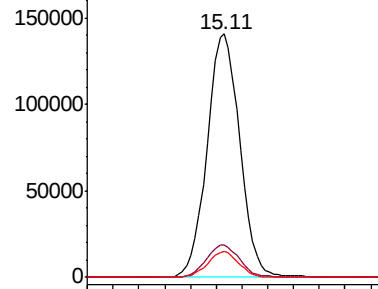
129 10.2 8.6 13.0



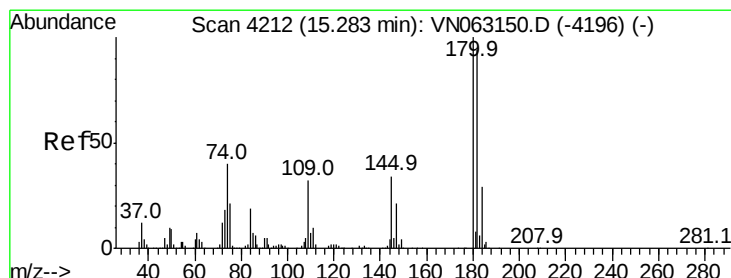
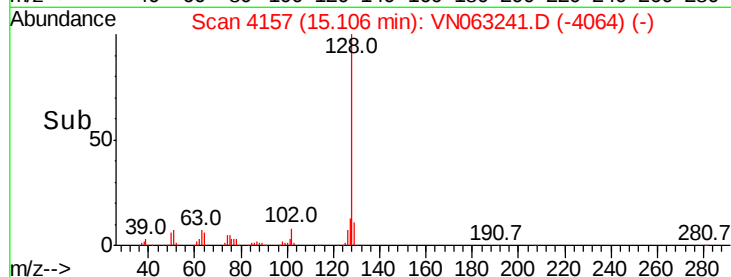
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time--> 15.00 15.10 15.20



#96

1,2,3-Trichlorobenzene

Concen: 18.278 ug/l

RT: 15.29 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

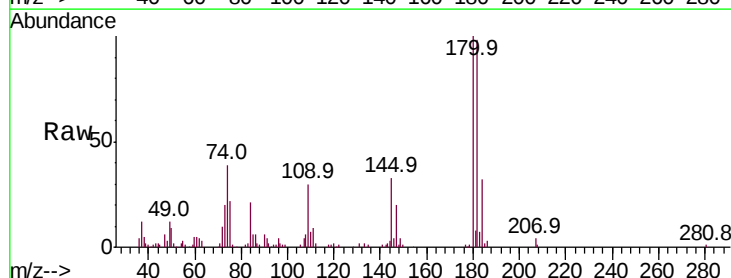
Tgt Ion:180 Resp: 75641

Ion Ratio Lower Upper

180 100

182 96.1 47.5 142.5

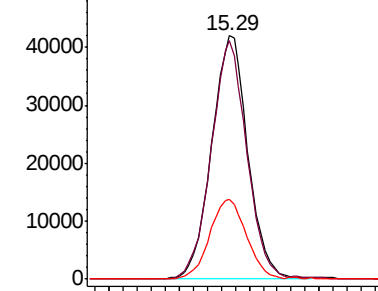
145 33.3 17.3 52.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V



Time--> 15.20 15.25 15.30 15.35

