

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091620\
 Data File : VN063363.D
 Acq On : 16 Sep 2020 13:31
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN091620

Quant Time: Sep 17 04:04:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	286955	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	502997	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	465450	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	221830	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	233737	47.85	ug/l	0.00
Spiked Amount			Recovery	=	95.70%	
35) Dibromofluoromethane	7.55	113	162099	46.55	ug/l	0.00
Spiked Amount			Recovery	=	93.10%	
50) Toluene-d8	10.06	98	635946	48.57	ug/l	0.00
Spiked Amount			Recovery	=	97.14%	
62) 4-Bromofluorobenzene	12.38	95	244505	50.94	ug/l	0.00
Spiked Amount			Recovery	=	101.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	163991	50.444	ug/l	100
3) Chloromethane	2.04	50	206394	47.991	ug/l	97
4) Vinyl Chloride	2.16	62	194586	51.069	ug/l	98
5) Bromomethane	2.53	94	117741	52.044	ug/l	99
6) Chloroethane	2.67	64	114177	48.816	ug/l	98
7) Trichlorofluoromethane	2.99	101	287450	50.564	ug/l	99
8) Diethyl Ether	3.37	74	111943	50.513	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	162766	50.911	ug/l	100
10) Methyl Iodide	3.91	142	214686	51.578	ug/l	99
11) Tert butyl alcohol	4.72	59	158796	234.659	ug/l	99
12) 1,1-Dichloroethene	3.70	96	161989	50.024	ug/l	100
13) Acrolein	3.57	56	118619	473.003	ug/l	98
14) Allyl chloride	4.28	41	303754	47.422	ug/l	93
15) Acrylonitrile	4.93	53	424900	246.845	ug/l	99
16) Acetone	3.77	43	355823	226.658	ug/l	99
17) Carbon Disulfide	4.01	76	475128	50.442	ug/l	100
18) Methyl Acetate	4.28	43	194626	48.836	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	590958	48.965	ug/l	100
20) Methylene Chloride	4.51	84	191185	48.067	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	174977	48.771	ug/l	99
22) Diisopropyl ether	5.90	45	652962	49.984	ug/l	99
23) Vinyl Acetate	5.84	43	2788200	259.883	ug/l	100
24) 1,1-Dichloroethane	5.80	63	361181	50.641	ug/l	99
25) 2-Butanone	6.78	43	579991	240.219	ug/l	97
26) 2,2-Dichloropropane	6.78	77	319146	50.824	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	205700	50.654	ug/l	97
28) Bromochloromethane	7.15	49	160463	48.727	ug/l	98
29) Tetrahydrofuran	7.16	42	401877	243.709	ug/l	98
30) Chloroform	7.33	83	359819	50.285	ug/l	99
31) Cyclohexane	7.61	56	318662	47.235	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	318317	50.015	ug/l	99
36) 1,1-Dichloropropene	7.75	75	266920	49.810	ug/l	99
37) Ethyl Acetate	6.88	43	262078	49.831	ug/l	99
38) Carbon Tetrachloride	7.73	117	274878	50.250	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	291791	50.171	ug/l	98
40) Benzene	8.00	78	765865	50.066	ug/l	98
41) Methacrylonitrile	7.16	41	376781	159.284	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	312462	50.792	ug/l	99
43) Isopropyl Acetate	8.13	43	462992	49.232	ug/l	99
44) Trichloroethene	8.80	130	187513	50.539	ug/l	100
45) 1,2-Dichloropropane	9.08	63	211606	50.790	ug/l	100
46) Dibromomethane	9.17	93	136714	49.926	ug/l	98
47) Bromodichloromethane	9.37	83	290783	51.115	ug/l	100
48) Methyl methacrylate	9.17	41	224009	48.483	ug/l	97
49) 1,4-Dioxane	9.16	88	62358	940.469	ug/l	93
51) 4-Methyl-2-Pentanone	9.95	43	1314531	249.681	ug/l	99
52) Toluene	10.13	92	477875	51.959	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	331617	52.216	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	344374	51.407	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	185535	50.787	ug/l	98
56) Ethyl methacrylate	10.40	69	295063	51.738	ug/l	99
57) 1,3-Dichloropropane	10.68	76	324827	49.307	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	809014	270.420	ug/l	98
59) 2-Hexanone	10.72	43	966684	253.442	ug/l	100
60) Dibromochloromethane	10.87	129	213693	51.778	ug/l	99
61) 1,2-Dibromoethane	10.98	107	195417	51.488	ug/l	99
64) Tetrachloroethene	10.60	164	154704	48.812	ug/l	99
65) Chlorobenzene	11.41	112	494802	50.080	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.48	131	183777	50.743	ug/l	99
67) Ethyl Benzene	11.48	91	942087	50.633	ug/l	100
68) m/p-Xylenes	11.59	106	682504	101.737	ug/l	99
69) o-Xylene	11.92	106	333885	52.247	ug/l	98
70) Styrene	11.94	104	566301	52.842	ug/l	99
71) Bromoform	12.10	173	138034	51.160	ug/l #	98
73) Isopropylbenzene	12.22	105	897868	50.510	ug/l	100
74) N-amyl acetate	12.05	43	425034	50.511	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	270339	49.116	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	378878	69.005	ug/l #	100
77) Bromobenzene	12.50	156	201797	50.466	ug/l	99
78) n-propylbenzene	12.57	91	1061194	51.255	ug/l	99
79) 2-Chlorotoluene	12.65	91	630070	50.766	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	760988	51.338	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	96723	48.297	ug/l	95
82) 4-Chlorotoluene	12.75	91	667016	50.865	ug/l	99
83) tert-Butylbenzene	12.97	119	628937	51.409	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	766704	51.207	ug/l	98
85) sec-Butylbenzene	13.14	105	832098	50.812	ug/l	100
86) p-Isopropyltoluene	13.26	119	747344	51.741	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	377358	50.916	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	379476	50.361	ug/l	100
89) n-Butylbenzene	13.59	91	695340	52.228	ug/l	98
90) Hexachloroethane	13.85	117	139027	50.549	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	372626	51.211	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	62834	47.941	ug/l	98

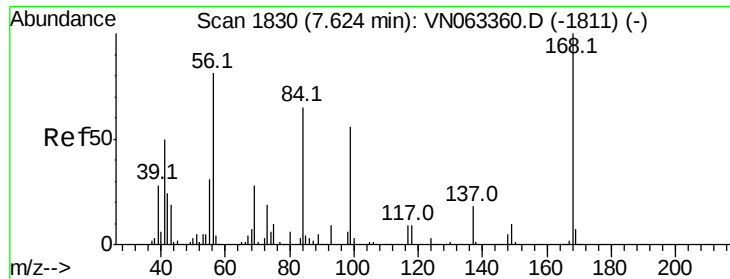
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091620\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	210315	49.029	ug/l	100
94) Hexachlorobutadiene	14.98	225	87808	49.445	ug/l	99
95) Naphthalene	15.10	128	690589	48.729	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	195354	47.133	ug/l	98

(#) = 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: VN063363.D

Acq: 16 Sep 2020 13:31

Instrument :

MSVOA_N

ClientSampleId :

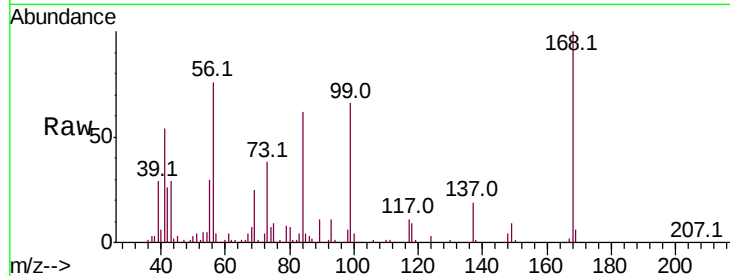
ICVVN091620

Tot Ion:168 Resp: 286955

Ion Ratio Lower Upper

168 100

99 65.9 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

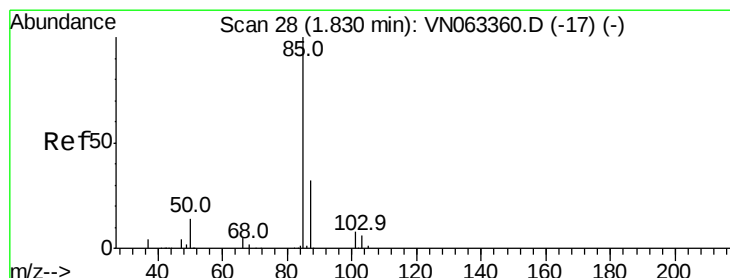
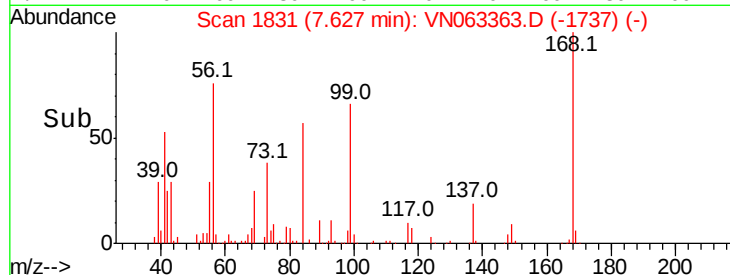
7.63

100000

50000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 50.444 ug/l

RT: 1.83 min Scan# 28

Delta R.T. -0.00 min

Lab File: VN063363.D

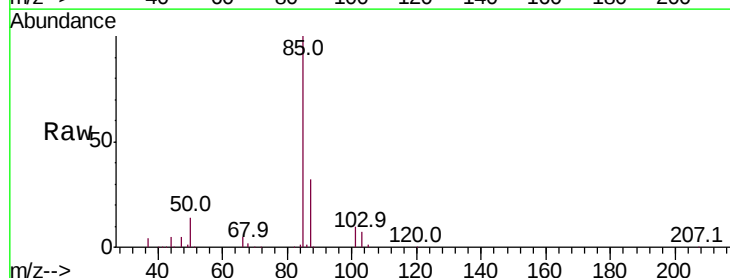
Acq: 16 Sep 2020 13:31

Tgt Ion: 85 Resp: 163991

Ion Ratio Lower Upper

85 100

87 31.8 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

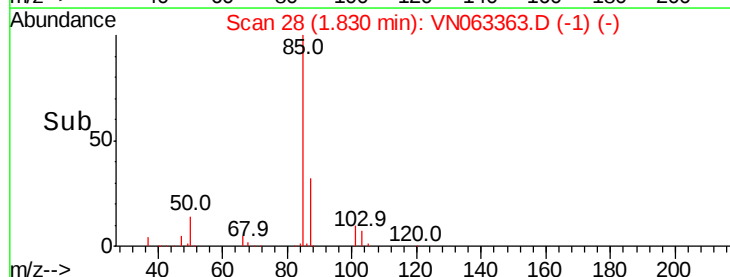
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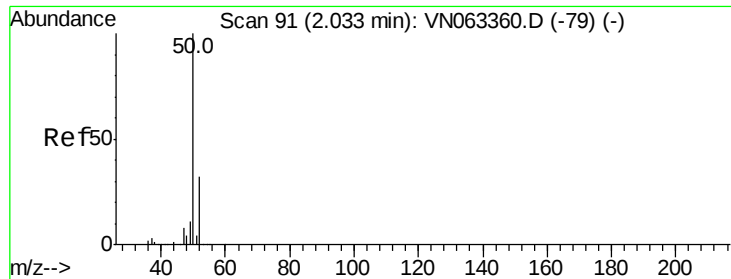
100000

50000

0

Time--> 1.75 1.80 1.85 1.90





#3

Chloromethane

Concen: 47.991 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063363.D

Acq: 16 Sep 2020 13:31

Instrument :

MSVOA_N

ClientSampleId :

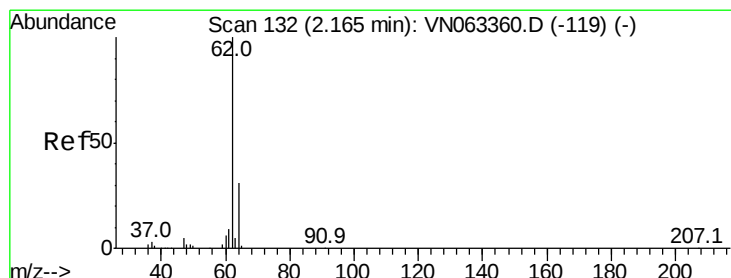
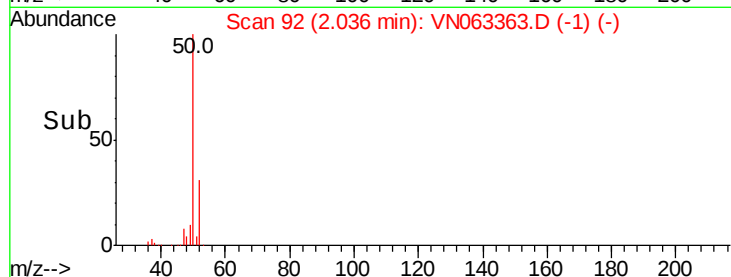
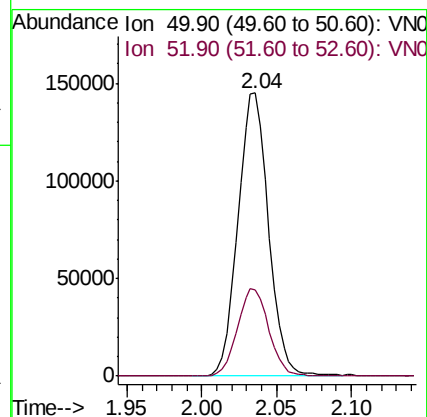
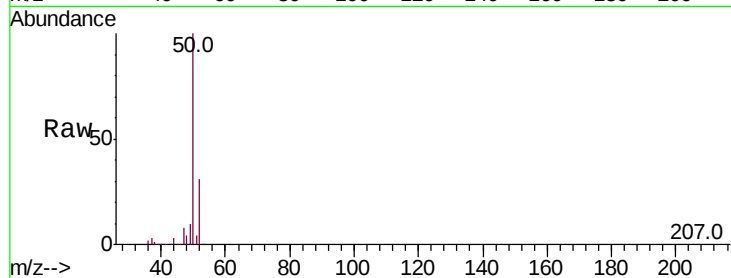
ICVVN091620

Tot Ion: 50 Resp: 206394

Ion Ratio Lower Upper

50 100

52 30.6 25.9 38.9



#4

Vinyl Chloride

Concen: 51.069 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN063363.D

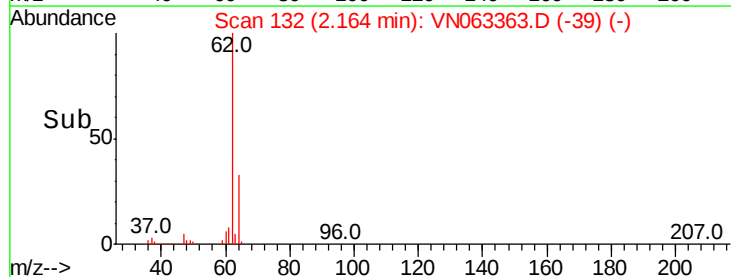
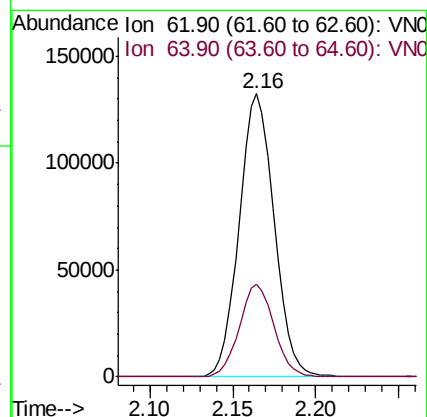
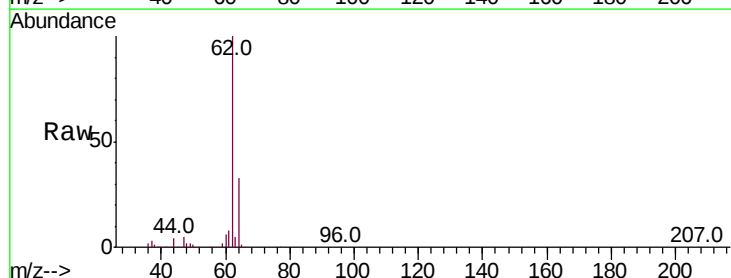
Acq: 16 Sep 2020 13:31

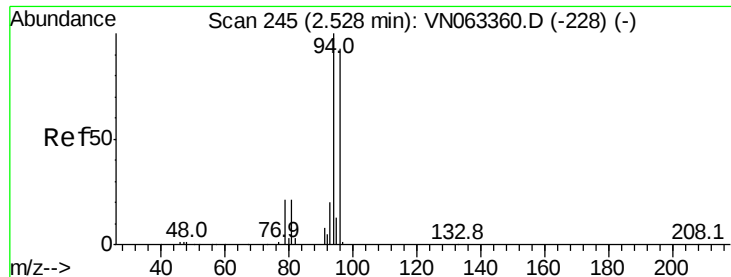
Tgt Ion: 62 Resp: 194586

Ion Ratio Lower Upper

62 100

64 32.6 25.1 37.7





#5

Bromomethane

Concen: 52.044 ug/l

RT: 2.53 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN063363.D

Acq: 16 Sep 2020 13:31

Instrument :

MSVOA_N

ClientSampleId :

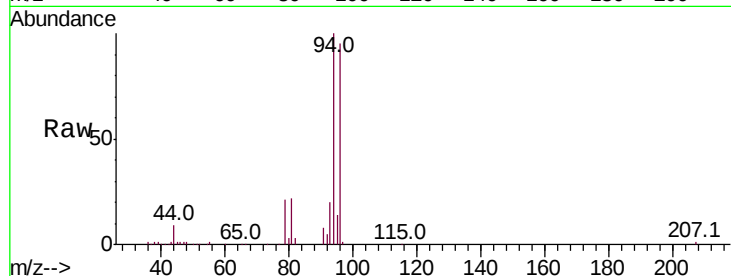
ICVVN091620

Tot Ion: 94 Resp: 117741

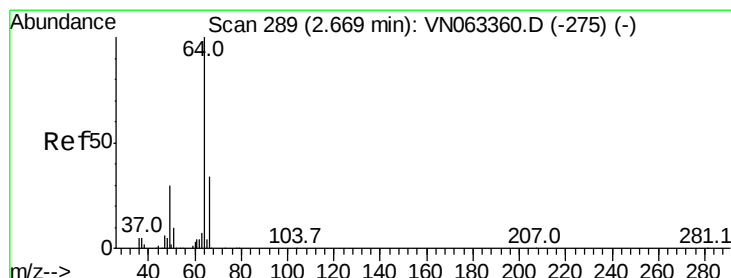
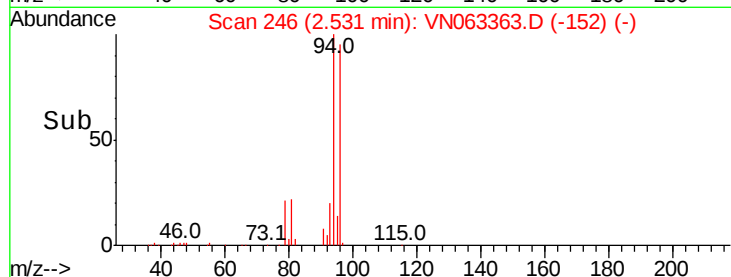
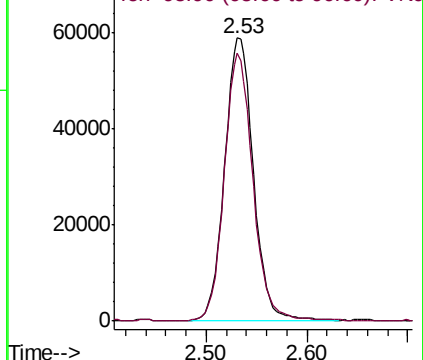
Ion Ratio Lower Upper

94 100

96 94.3 74.5 111.7



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



#6

Chloroethane

Concen: 48.816 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN063363.D

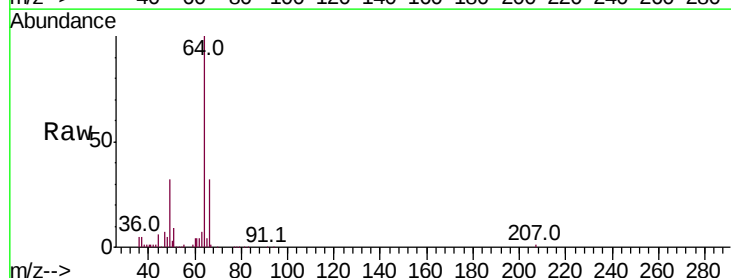
Acq: 16 Sep 2020 13:31

Tgt Ion: 64 Resp: 114177

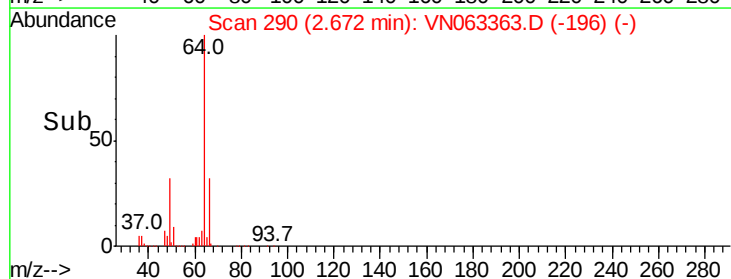
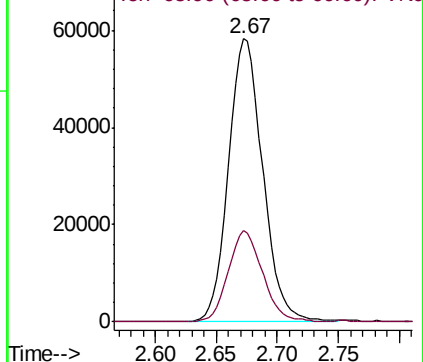
Ion Ratio Lower Upper

64 100

66 32.4 26.9 40.3



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



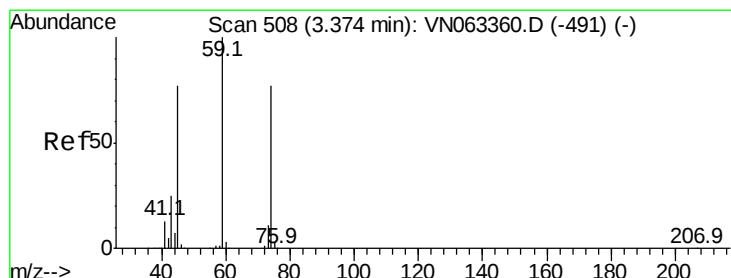
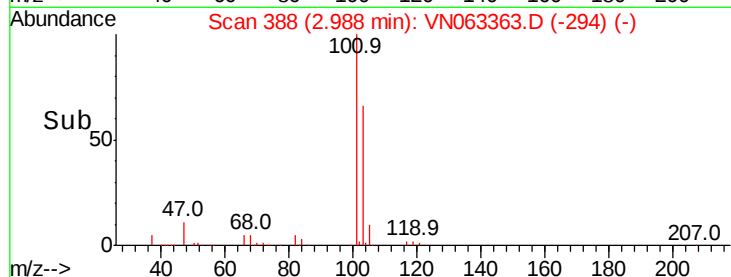
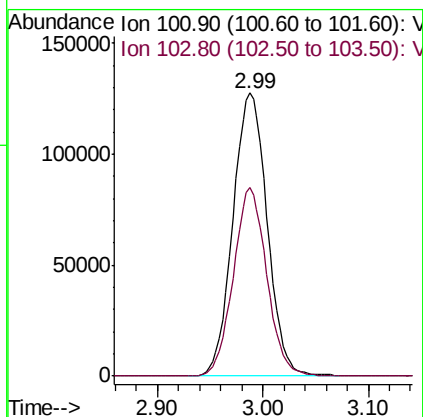
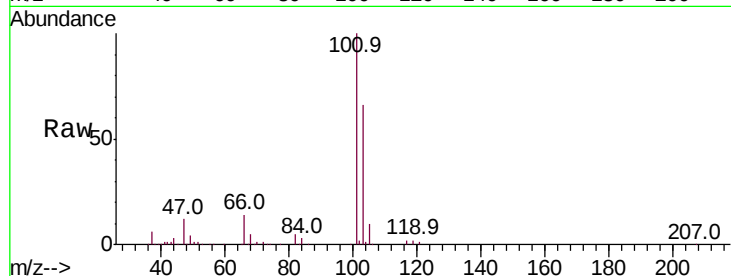


#7

Trichlorofluoromethane
Concen: 50.564 ug/l
RT: 2.99 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN063363.D
Acq: 16 Sep 2020 13:31

Instrument :
MSVOA_N
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ICVVN091620

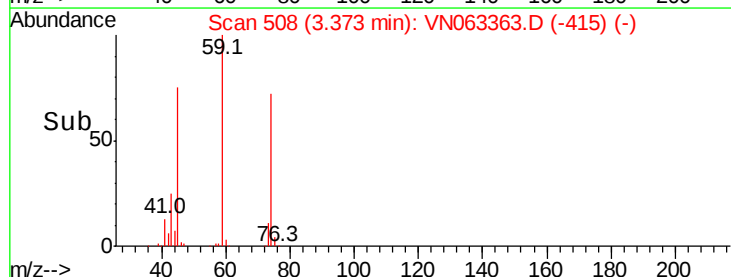
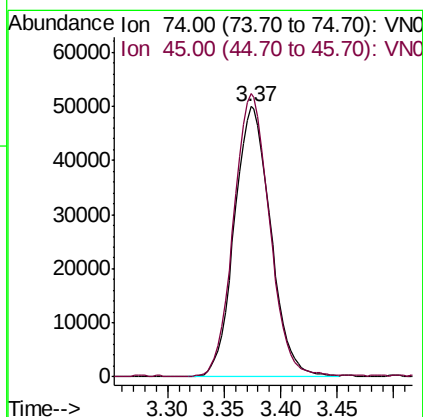
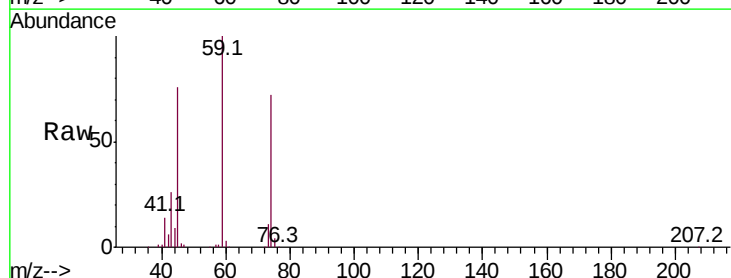
Tot Ion:101 Resp: 287450
Ion Ratio Lower Upper
101 100
103 66.4 52.3 78.5

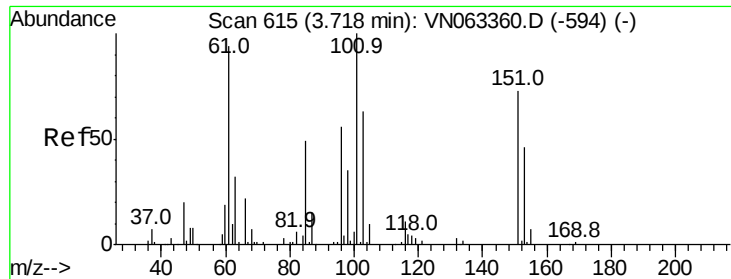


#8

Diethyl Ether
Concen: 50.513 ug/l
RT: 3.37 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN063363.D
Acq: 16 Sep 2020 13:31

Tgt Ion: 74 Resp: 111943
Ion Ratio Lower Upper
74 100
45 103.8 52.1 156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.911 ug/l

RT: 3.72 min Scan# 617

Delta R.T. 0.01 min

Lab File: VN063363.D

Acq: 16 Sep 2020 13:31

Instrument :

MSVOA_N

ClientSampleId :

ICVVN091620

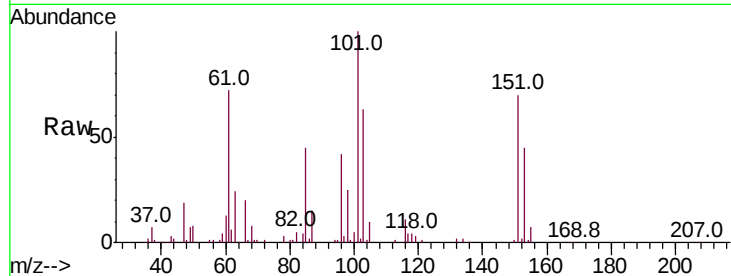
Tot Ion:101 Resp: 162766

Ion Ratio Lower Upper

101 100

85 47.5 37.7 56.5

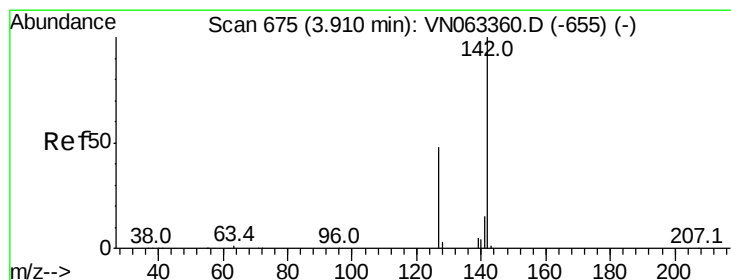
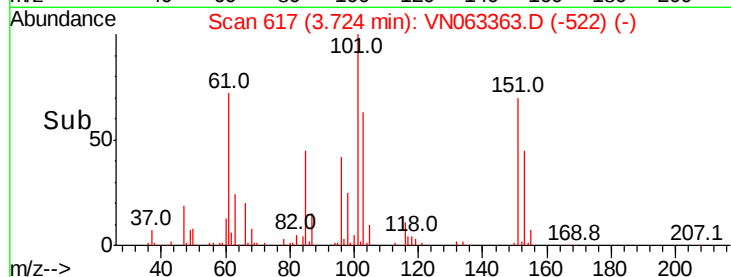
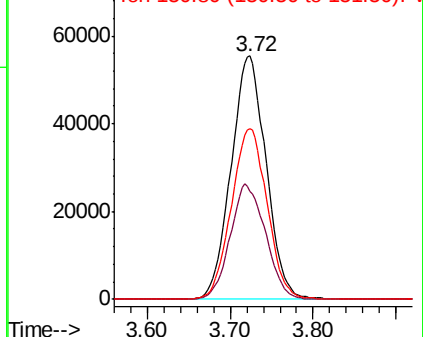
151 71.7 57.7 86.5



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: 51.578 ug/l

RT: 3.91 min Scan# 676

Delta R.T. 0.00 min

Lab File: VN063363.D

Acq: 16 Sep 2020 13:31

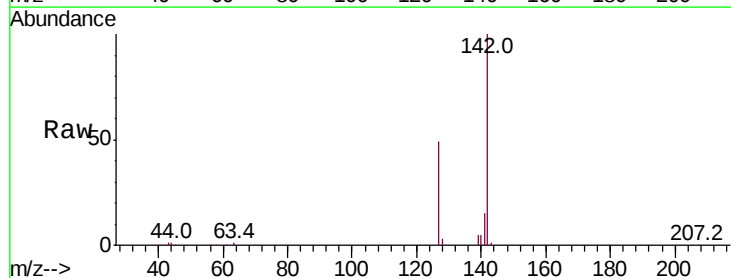
Tgt Ion:142 Resp: 214686

Ion Ratio Lower Upper

142 100

127 49.2 39.0 58.6

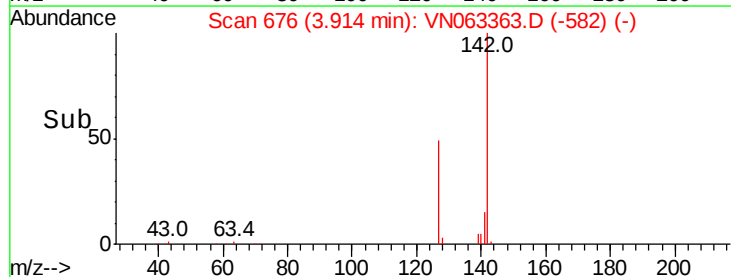
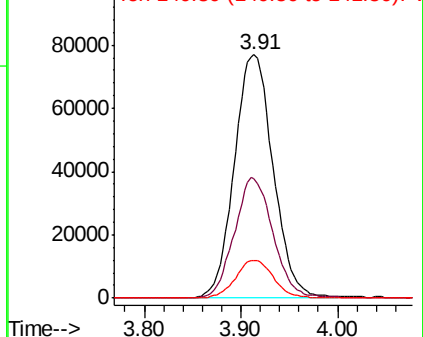
141 15.1 11.6 17.4

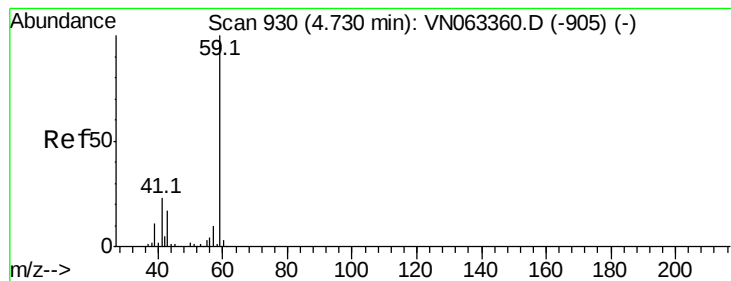


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 234.659 ug/l

RT: 4.72 min Scan# 928

Delta R.T. -0.01 min

Lab File: VN063363.D

Acq: 16 Sep 2020 13:31

Instrument :

MSVOA_N

ClientSampled :

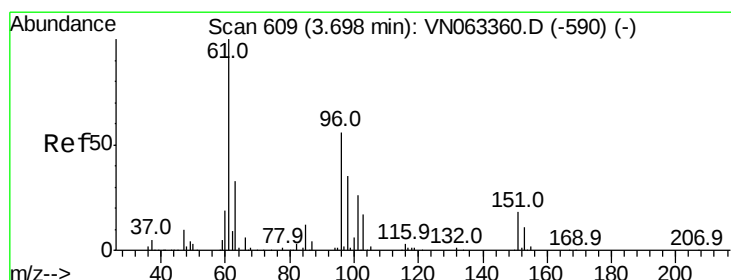
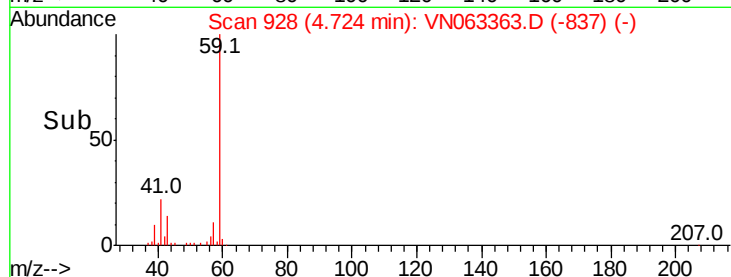
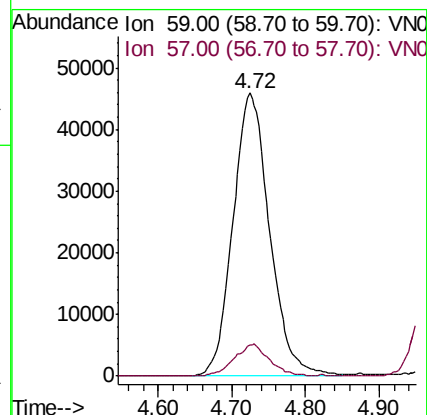
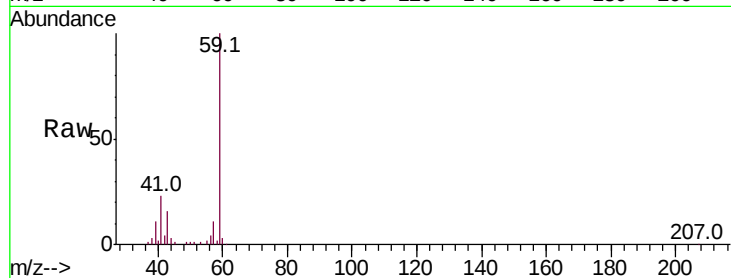
ICVVN091620

Tot Ion: 59 Resp: 158796

Ion Ratio Lower Upper

59 100

57 10.9 8.4 12.6



#12

1,1-Dichloroethene

Concen: 50.024 ug/l

RT: 3.70 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN063363.D

Acq: 16 Sep 2020 13:31

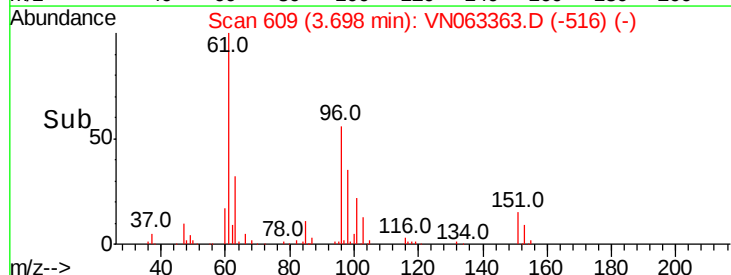
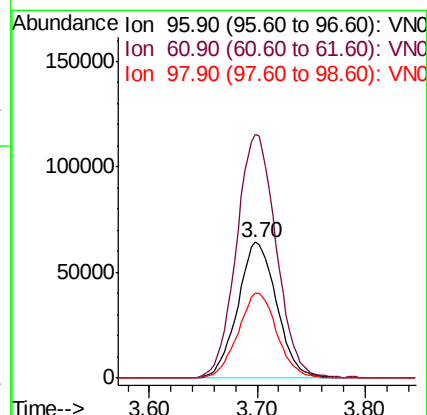
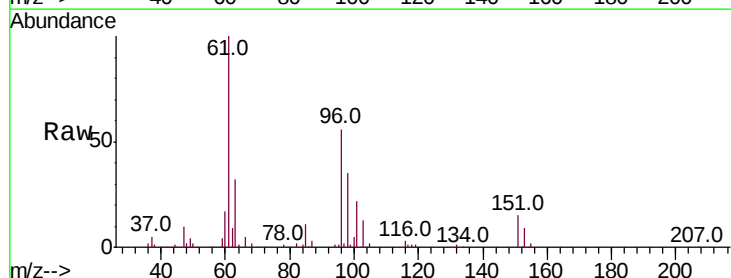
Tgt Ion: 96 Resp: 161989

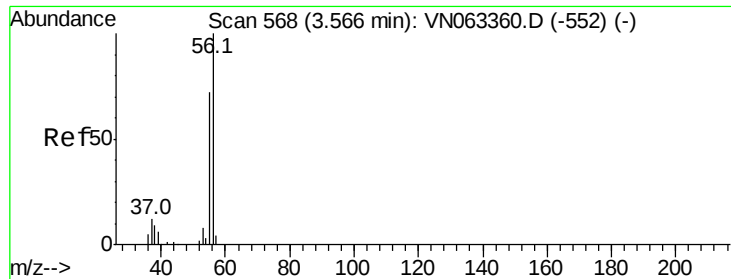
Ion Ratio Lower Upper

96 100

61 179.2 143.4 215.2

98 62.7 50.6 76.0





#13

Acrolein

Concen: 473.003 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN063363.D

Acq: 16 Sep 2020 13:31

Instrument :

MSVOA_N

ClientSampled :

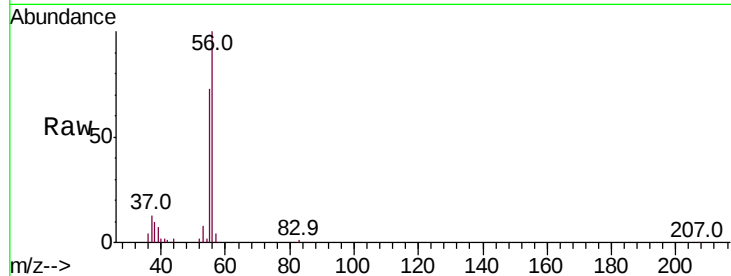
ICVVN091620

Tot Ion: 56 Resp: 118619

Ion Ratio Lower Upper

56 100

55 70.7 58.2 87.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.57

50000

40000

30000

20000

10000

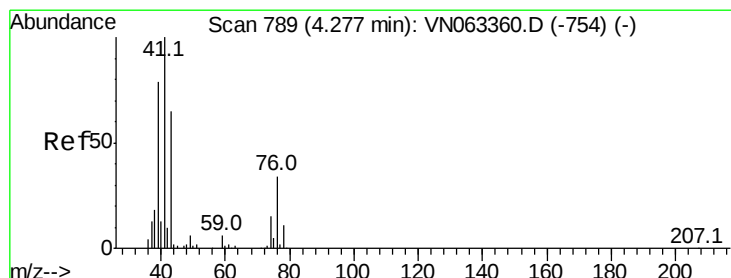
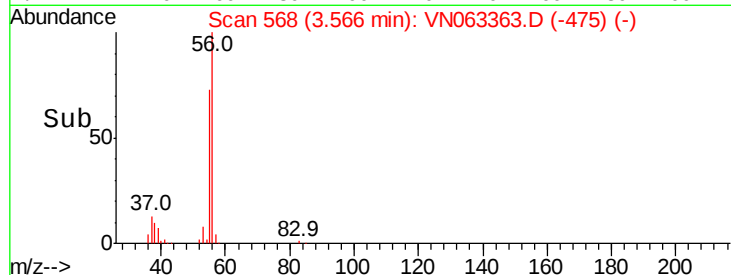
0

Time-->

3.50

3.60

3.70



#14

Allyl chloride

Concen: 47.422 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN063363.D

Acq: 16 Sep 2020 13:31

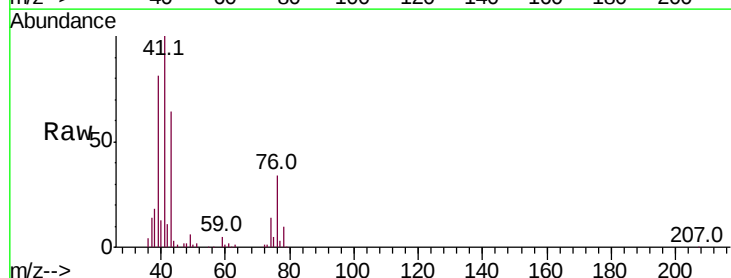
Tgt Ion: 41 Resp: 303754

Ion Ratio Lower Upper

41 100

39 81.0 59.3 88.9

76 33.3 25.3 37.9



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.28

100000

50000

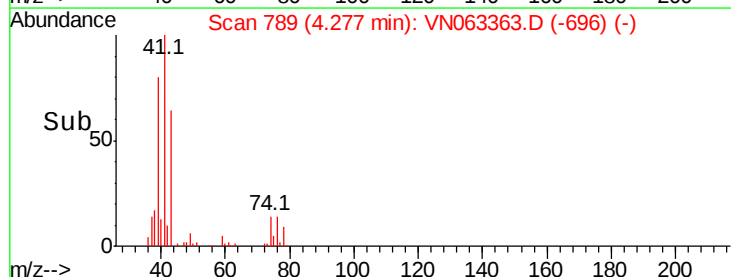
0

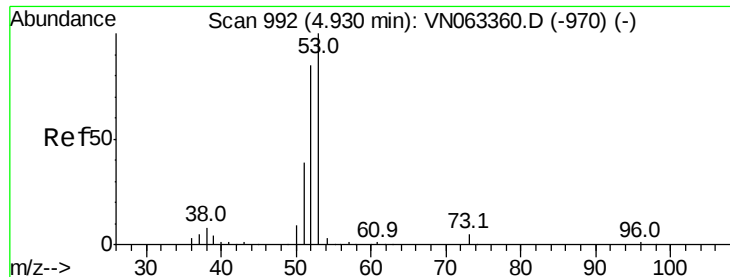
Time-->

4.20

4.30

4.40





#15

Acrylonitrile

Concen: 246.845 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN063363.D

Acq: 16 Sep 2020 13:31

Instrument :

MSVOA_N

ClientSampleId :

ICVVN091620

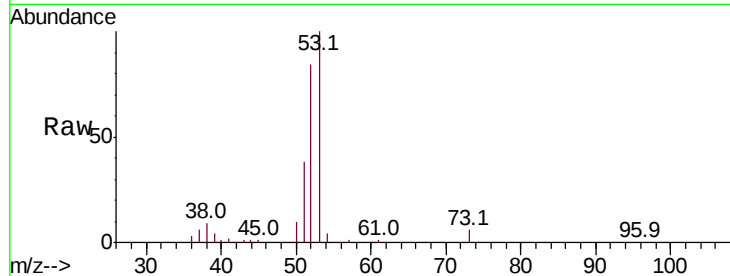
Tot Ion: 53 Resp: 424900

Ion Ratio Lower Upper

53 100

52 83.5 66.4 99.6

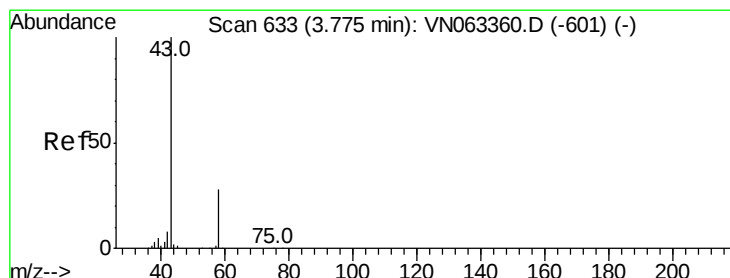
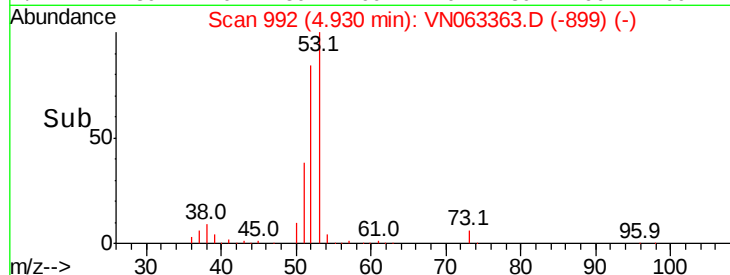
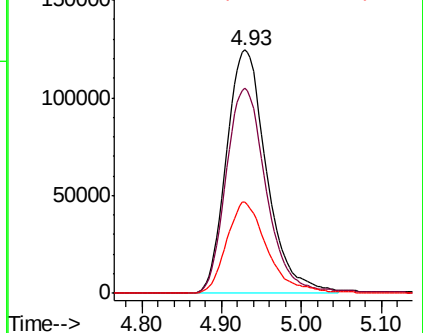
51 38.2 30.2 45.4



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 226.658 ug/l

RT: 3.77 min Scan# 632

Delta R.T. -0.00 min

Lab File: VN063363.D

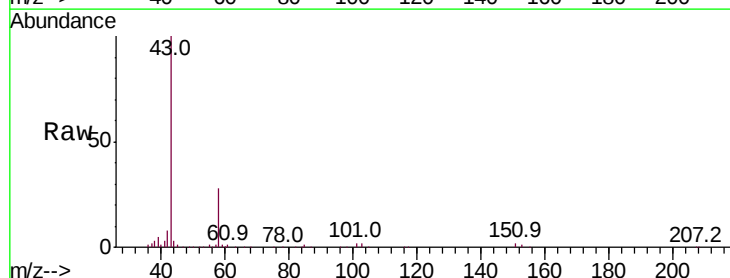
Acq: 16 Sep 2020 13:31

Tgt Ion: 43 Resp: 355823

Ion Ratio Lower Upper

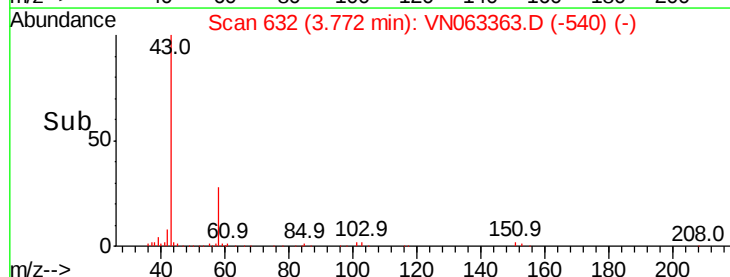
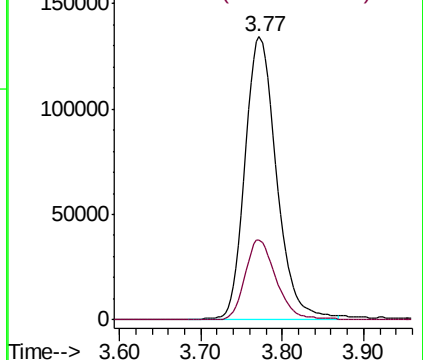
43 100

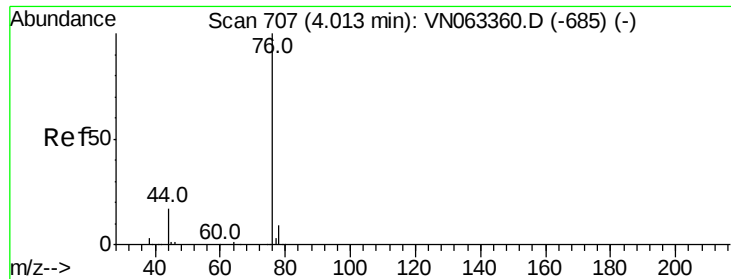
58 28.4 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

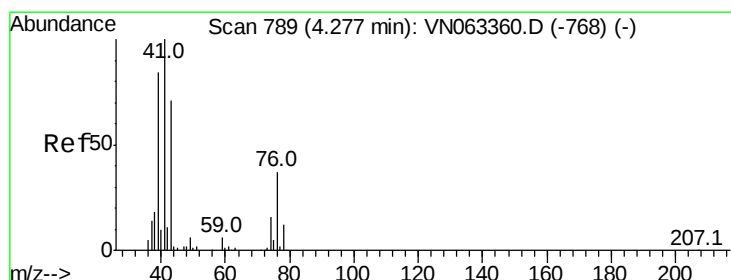
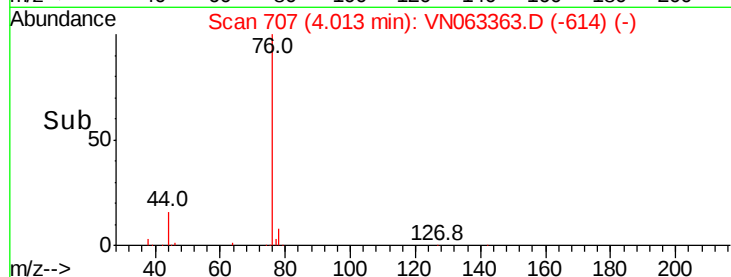
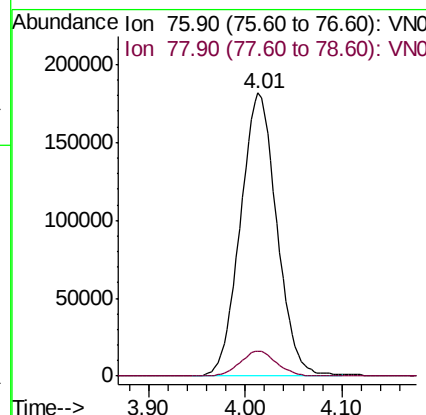
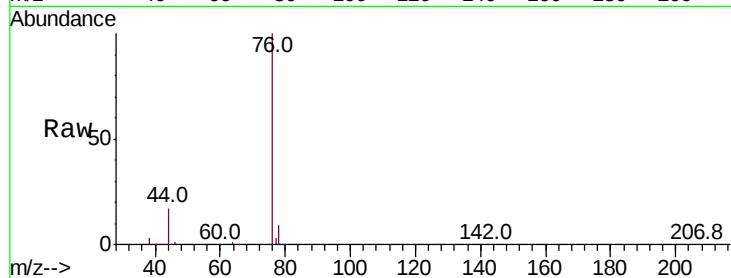




#17
Carbon Disulfide
Concen: 50.442 ug/l
RT: 4.01 min Scan# 707
Delta R.T. -0.00 min
Lab File: VN063363.D
Acq: 16 Sep 2020 13:31

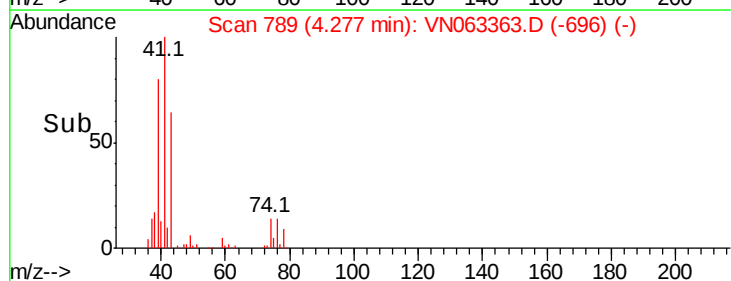
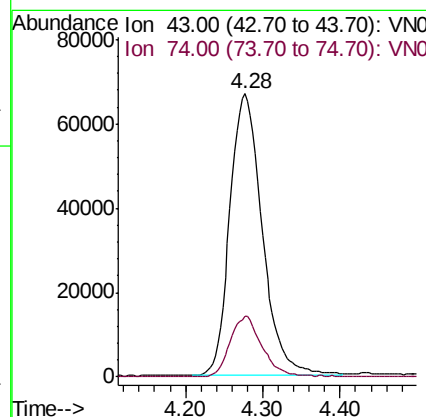
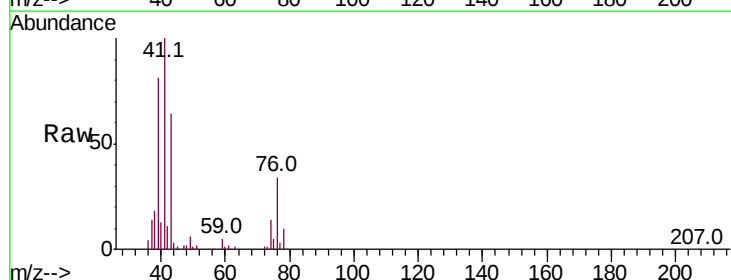
Instrument :
MSVOA_N
ClientSampleId :
ICVVN091620

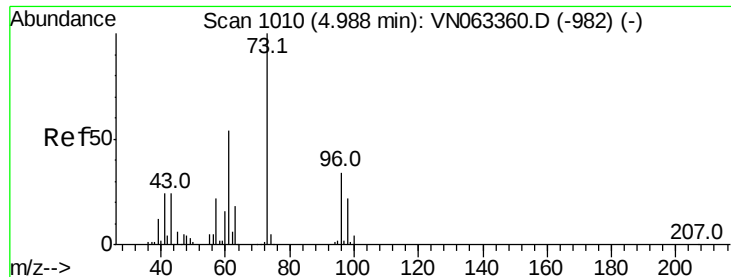
Tot Ion: 76 Resp: 475128
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8



#18
Methyl Acetate
Concen: 48.836 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN063363.D
Acq: 16 Sep 2020 13:31

Tgt Ion: 43 Resp: 194626
Ion Ratio Lower Upper
43 100
74 21.2 17.4 26.2

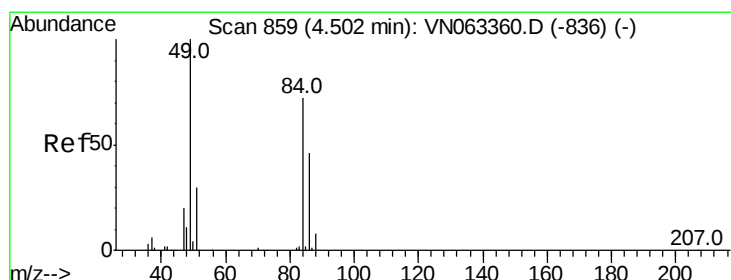
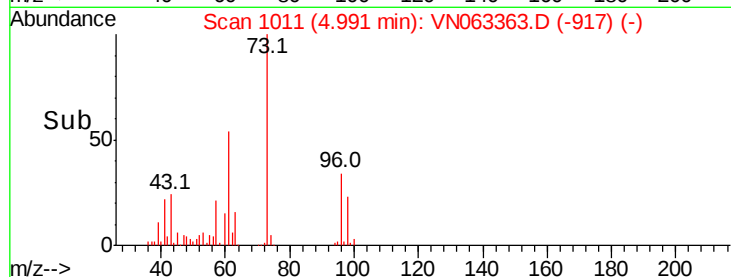
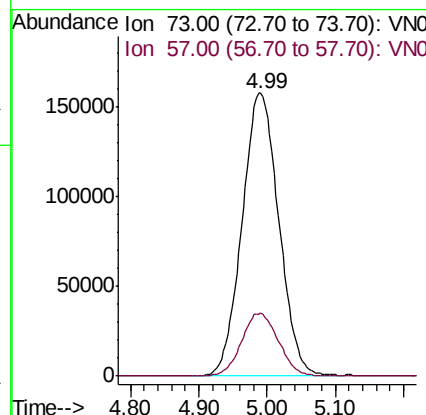
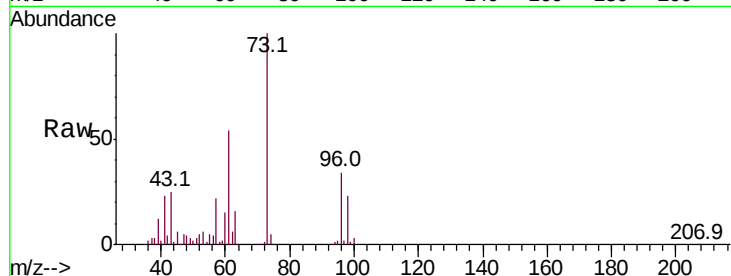




#19
Methvl tert-butvl Ether
Concen: 48.965 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063363.D
Acq: 16 Sep 2020 13:31

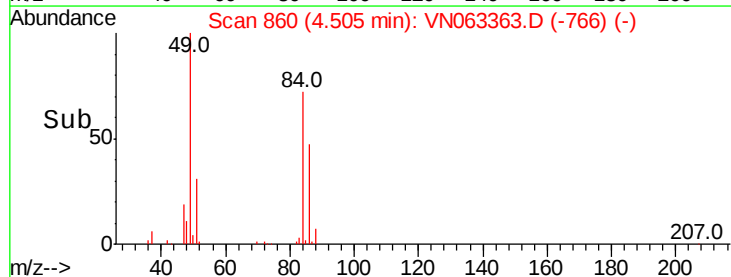
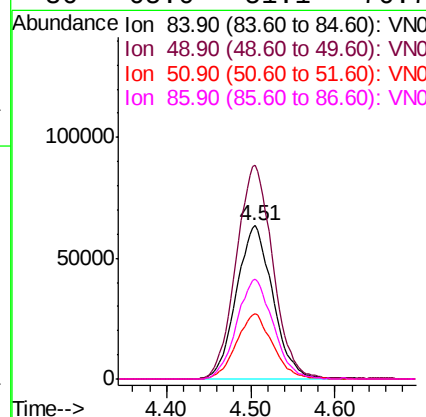
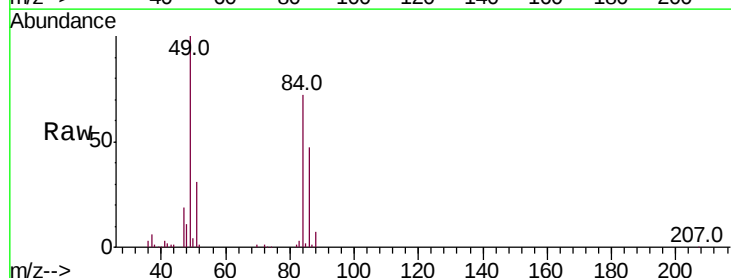
Instrument :
MSVOA_N
ClientSampleId :
ICVVN091620

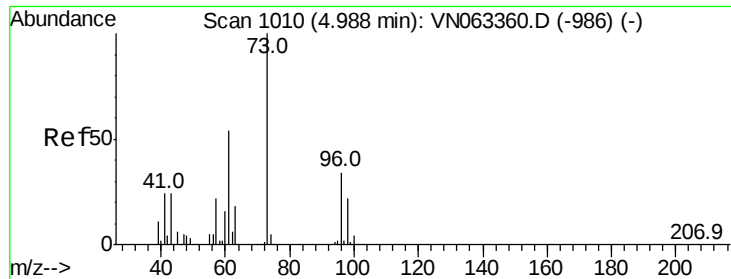
Tot Ion: 73 Resp: 590958
Ion Ratio Lower Upper
73 100
57 22.2 17.9 26.9



#20
Methylene Chloride
Concen: 48.067 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN063363.D
Acq: 16 Sep 2020 13:31

Tgt Ion: 84 Resp: 191185
Ion Ratio Lower Upper
84 100
49 139.4 110.7 166.1
51 42.5 32.9 49.3
86 65.0 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 48.771 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VN063363.D

Acq: 16 Sep 2020 13:31

Instrument :

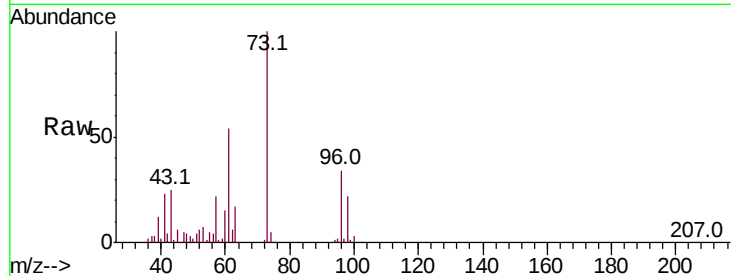
MSVOA_N

ClientSampleId :

ICVVN091620

Tot Ion: 96 Resp: 174977

Ion	Ratio	Lower	Upper
96	100		
61	157.6	126.2	189.4
98	65.3	51.0	76.4

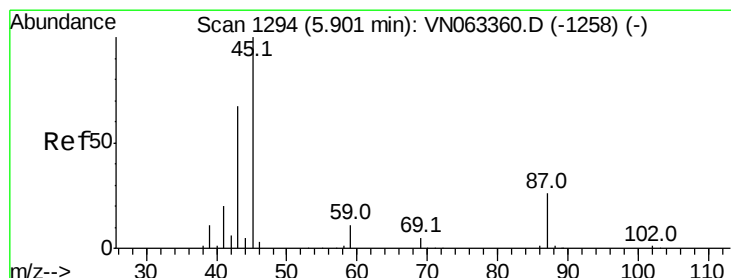
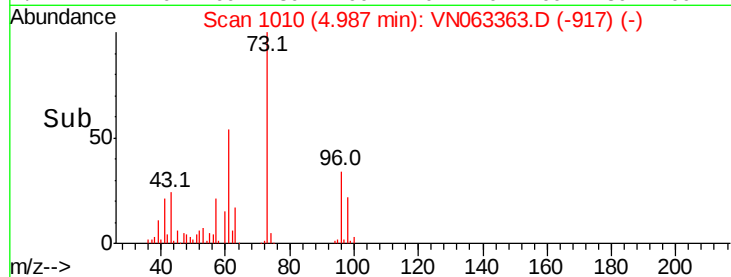
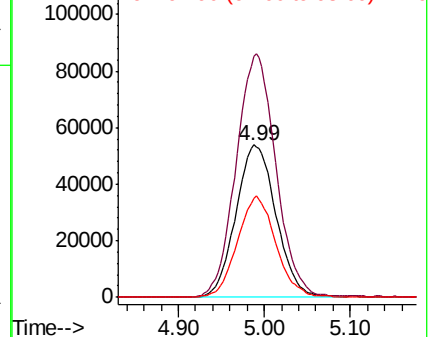


Abundance

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: 49.984 ug/l

RT: 5.90 min Scan# 1294

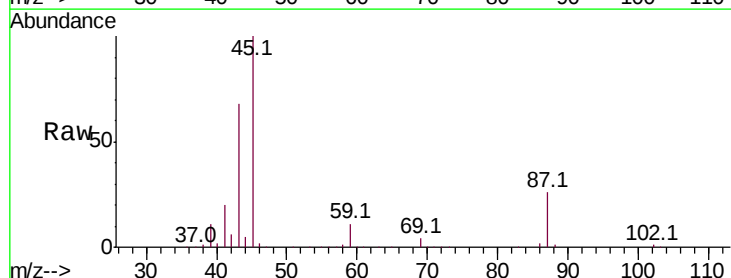
Delta R.T. -0.00 min

Lab File: VN063363.D

Acq: 16 Sep 2020 13:31

Tgt Ion: 45 Resp: 652962

Ion	Ratio	Lower	Upper
45	100		
43	66.2	53.5	80.3
87	25.6	21.2	31.8
59	10.7	8.8	13.2



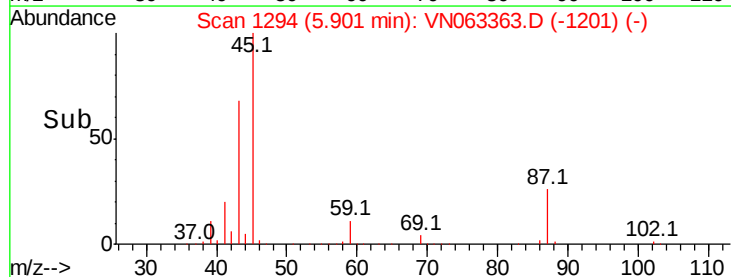
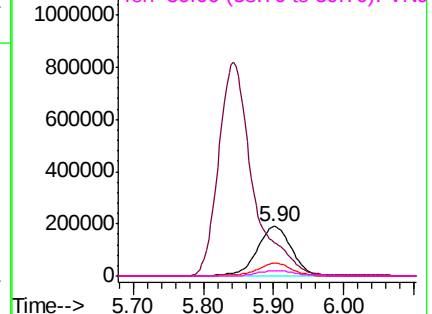
Abundance

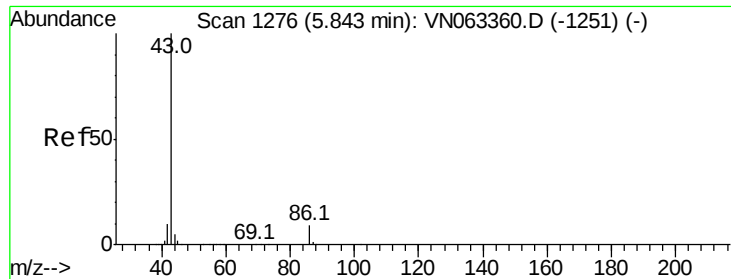
Ion 45.00 (44.70 to 45.70): VN0

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

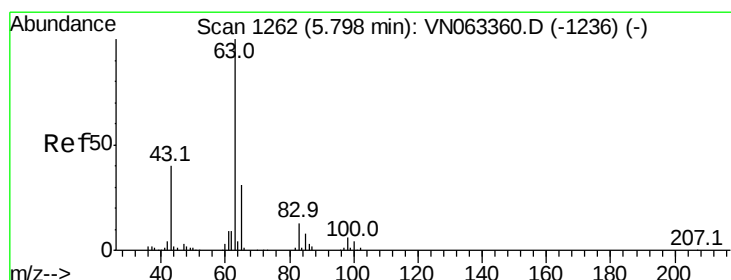
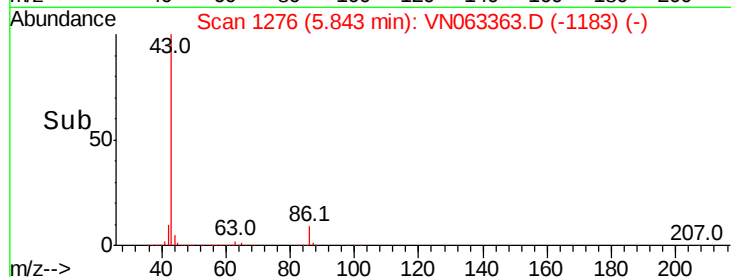
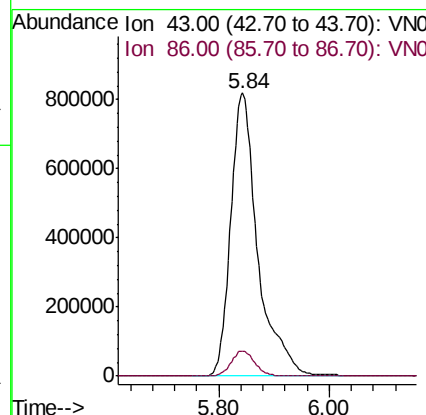
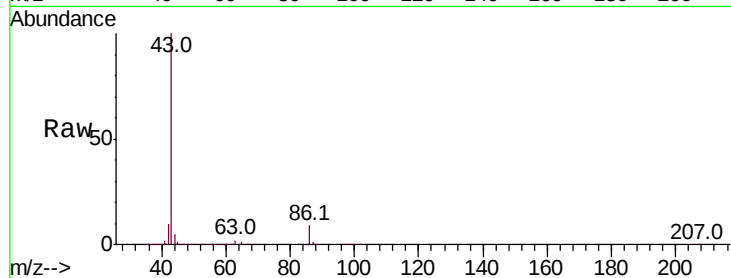




#23
 Vinyl Acetate
 Concen: 259.883 ug/l
 RT: 5.84 min Scan# 1276
 Delta R.T. -0.00 min
 Lab File: VN063363.D
 Acq: 16 Sep 2020 13:31

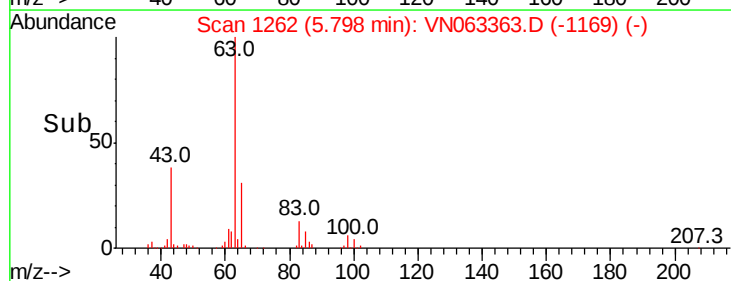
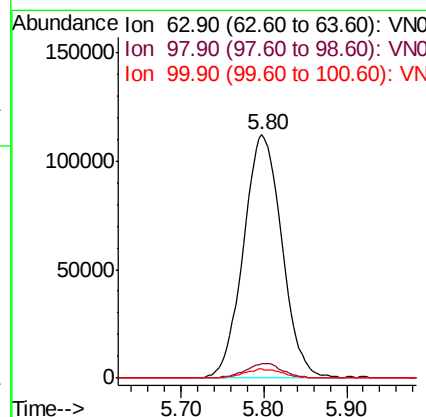
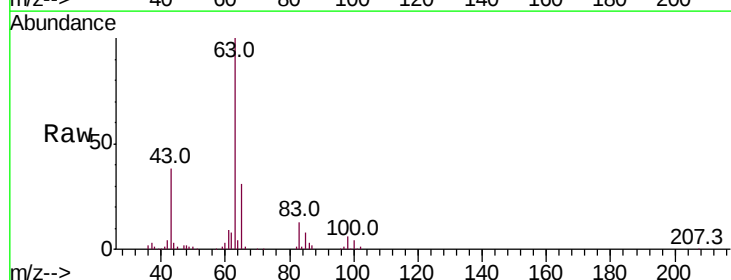
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN091620

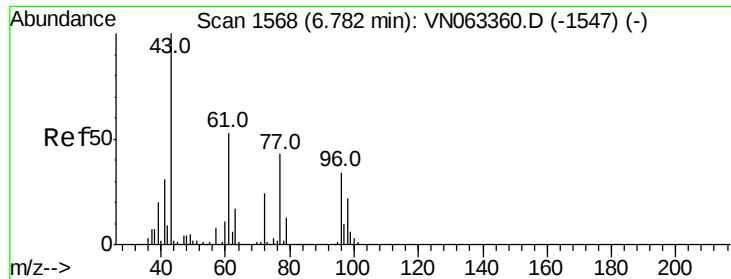
Tot Ion: 43 Resp: 2788200
 Ion Ratio Lower Upper
 43 100
 86 8.9 7.1 10.7



#24
 1,1-Dichloroethane
 Concen: 50.641 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: VN063363.D
 Acq: 16 Sep 2020 13:31

Tgt Ion: 63 Resp: 361181
 Ion Ratio Lower Upper
 63 100
 98 6.0 2.9 8.8
 100 3.7 2.1 6.3

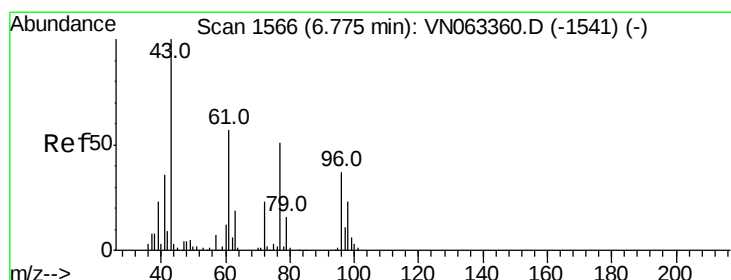
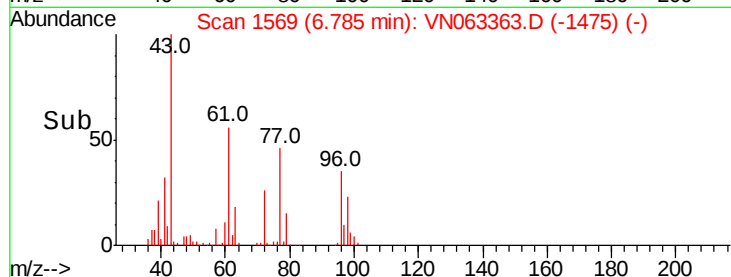
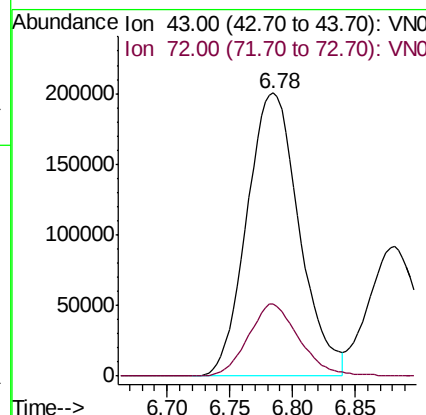
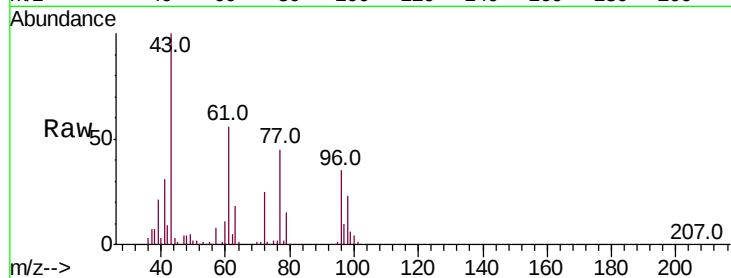




#25
2-Butanone
Concen: 240.219 ug/l
RT: 6.78 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VN063363.D
Acq: 16 Sep 2020 13:31

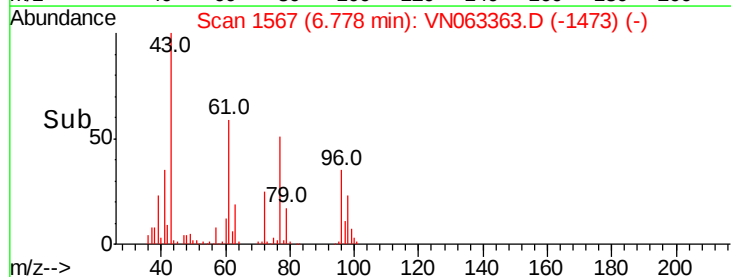
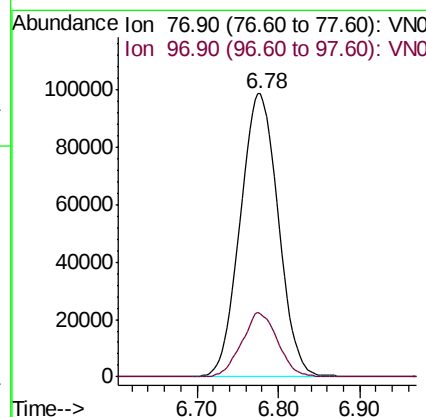
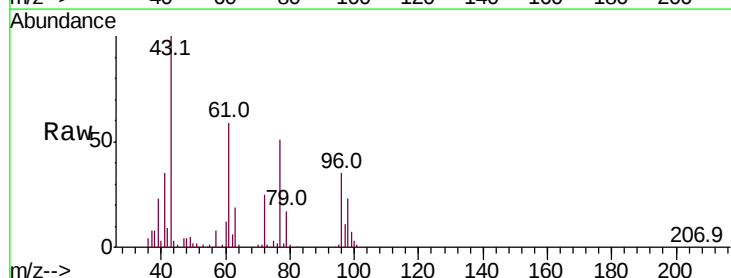
Instrument :
MSVOA_N
ClientSampleId :
ICVVN091620

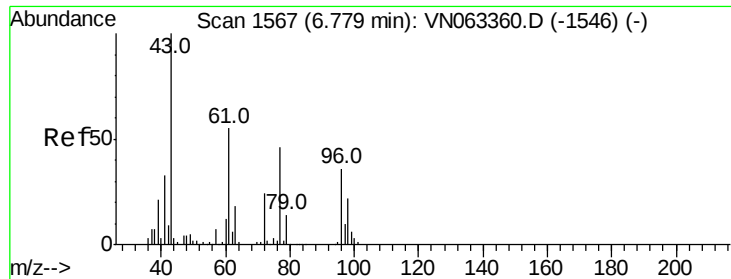
Tot Ion: 43 Resp: 579991
Ion Ratio Lower Upper
43 100
72 25.5 19.2 28.8



#26
2,2-Dichloropropane
Concen: 50.824 ug/l
RT: 6.78 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VN063363.D
Acq: 16 Sep 2020 13:31

Tgt Ion: 77 Resp: 319146
Ion Ratio Lower Upper
77 100
97 21.5 10.5 31.6

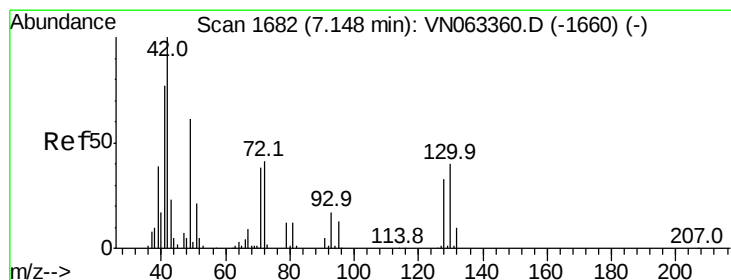
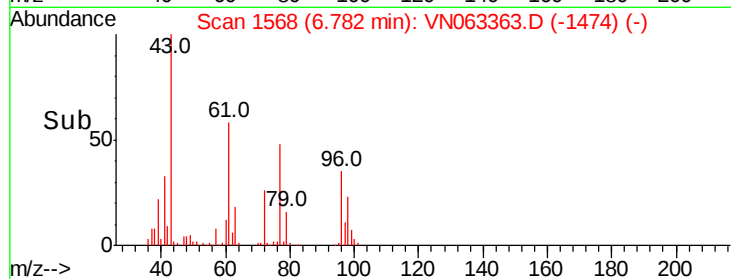
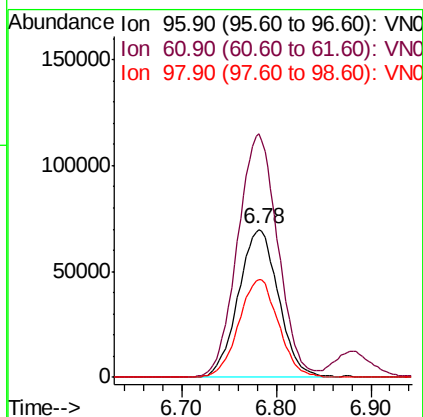
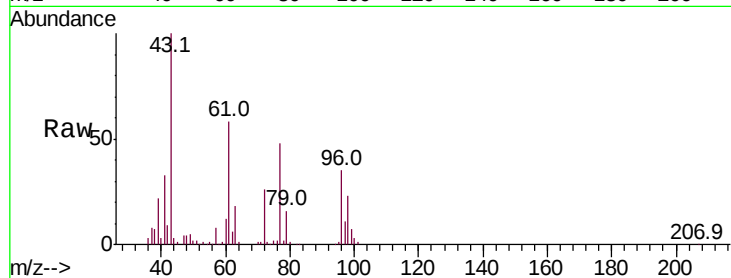




#27
 cis-1,2-Dichloroethene
 Concen: 50.654 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN063363.D
 Acq: 16 Sep 2020 13:31

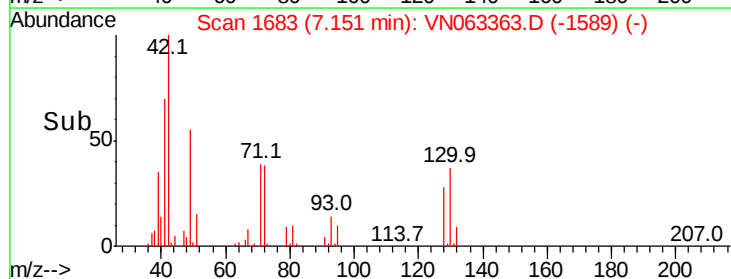
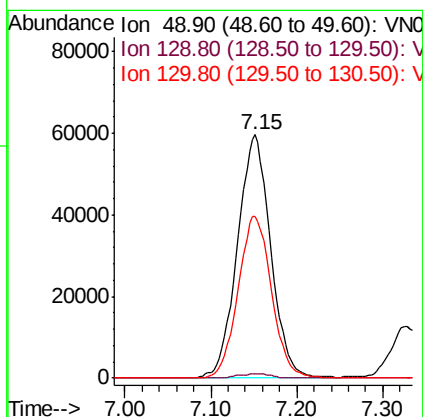
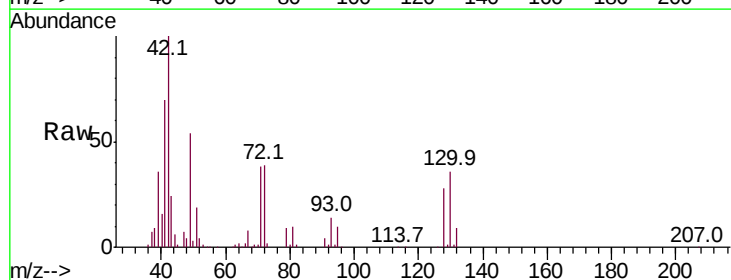
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN091620

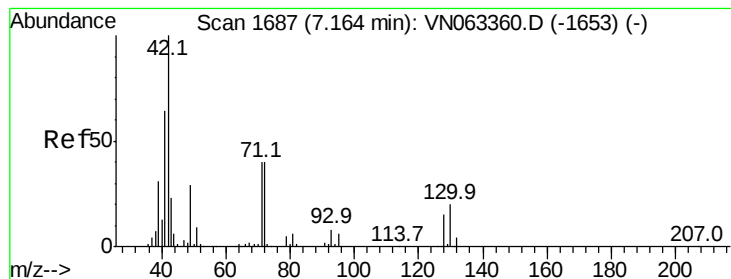
Tot Ion	96	Resp	205700
Ion	Ratio	Lower	Upper
96	100		
61	164.9	0.0	319.6
98	65.8	0.0	127.8



#28
 Bromochloromethane
 Concen: 48.727 ug/l
 RT: 7.15 min Scan# 1683
 Delta R.T. 0.00 min
 Lab File: VN063363.D
 Acq: 16 Sep 2020 13:31

Tgt Ion	49	Resp	160463
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.8
130	66.8	52.2	78.2

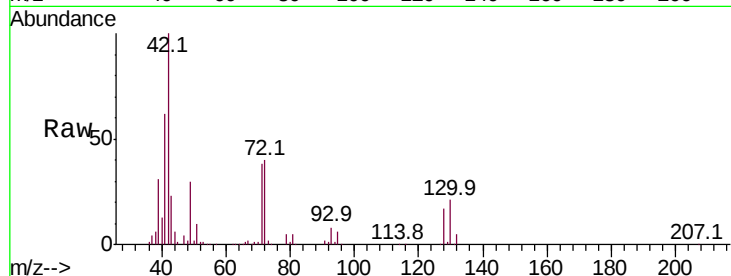




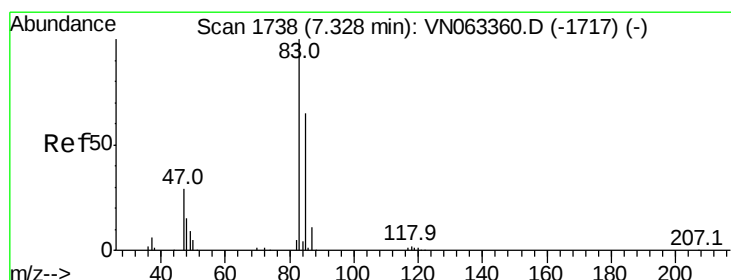
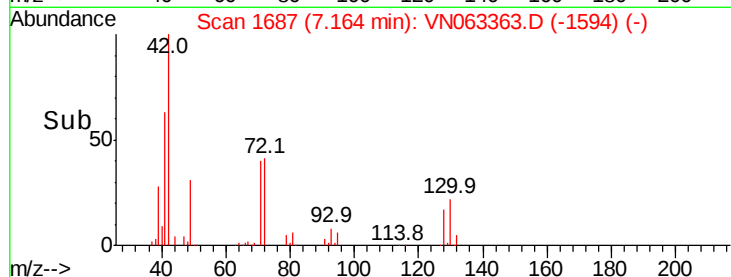
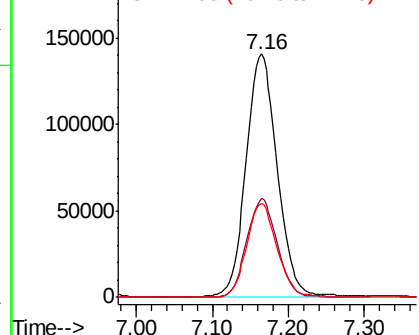
#29
Tetrahydrofuran
Concen: 243.709 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN063363.D
Acq: 16 Sep 2020 13:31

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091620

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.5	32.1	48.1
71	37.5	31.2	46.8

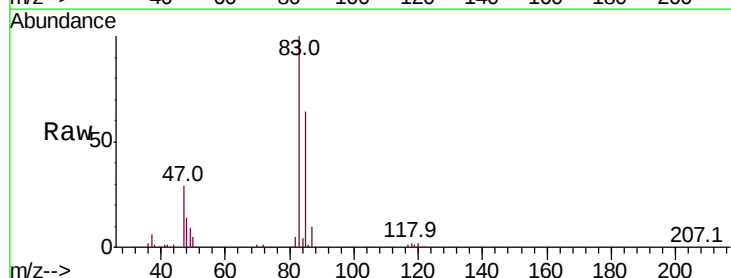


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

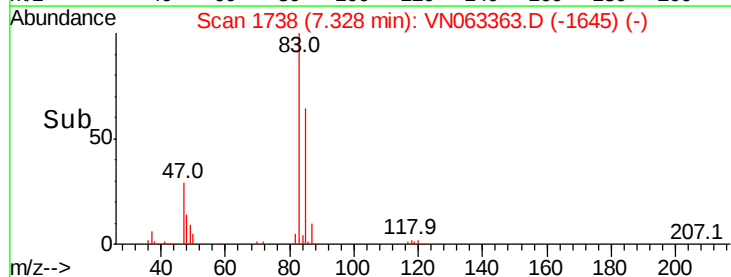
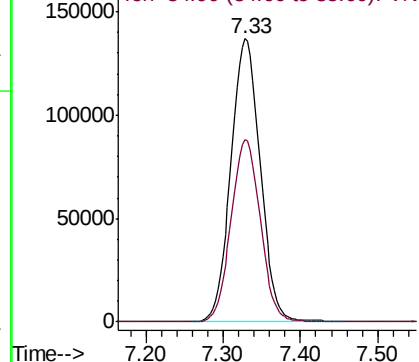


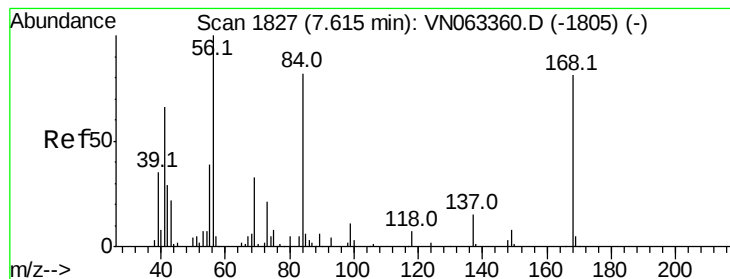
#30
Chloroform
Concen: 50.285 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN063363.D
Acq: 16 Sep 2020 13:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.1	78.1



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 47.235 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN063363.D

Acq: 16 Sep 2020 13:31

Instrument :

MSVOA_N

ClientSampleId :

ICVVN091620

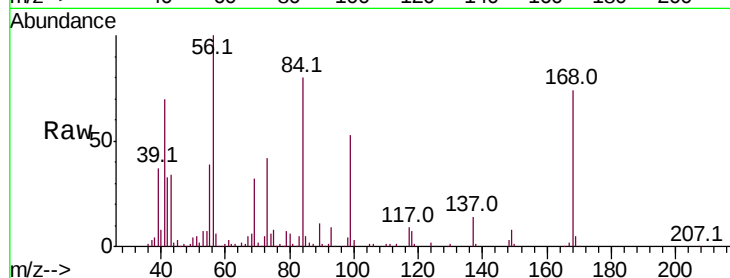
Tot Ion: 56 Resp: 318662

Ion Ratio Lower Upper

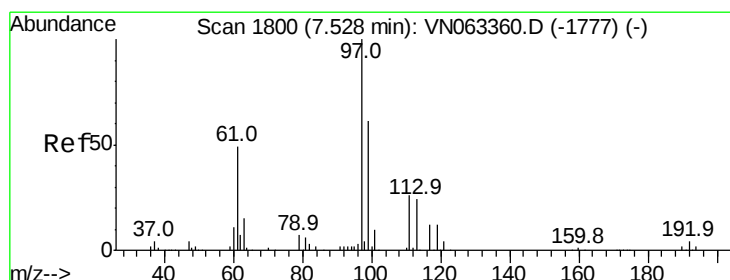
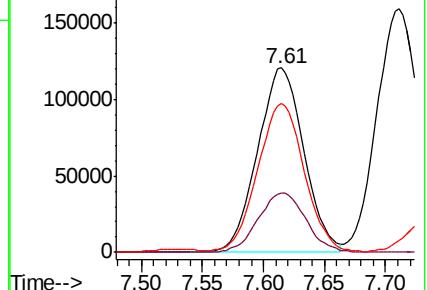
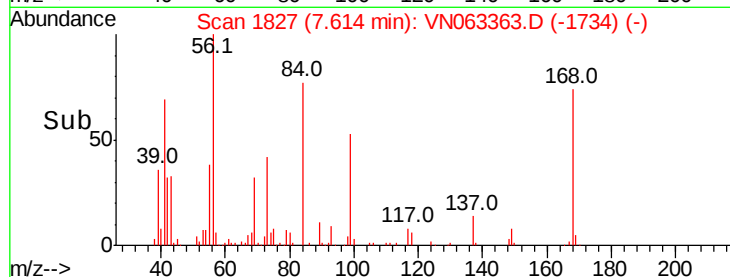
56 100

69 31.9 26.1 39.1

84 78.7 65.4 98.2



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 50.015 ug/l

RT: 7.53 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN063363.D

Acq: 16 Sep 2020 13:31

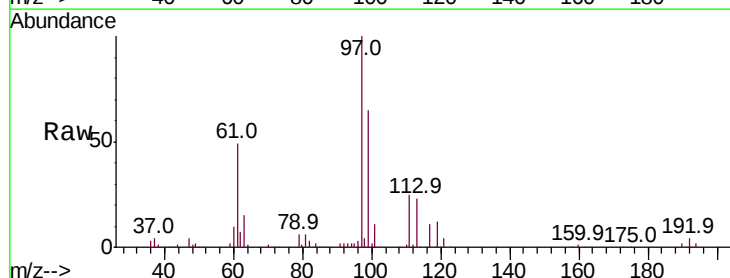
Tgt Ion: 97 Resp: 318317

Ion Ratio Lower Upper

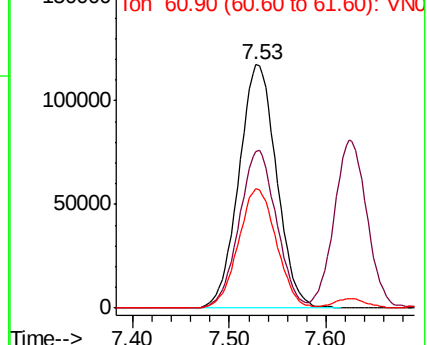
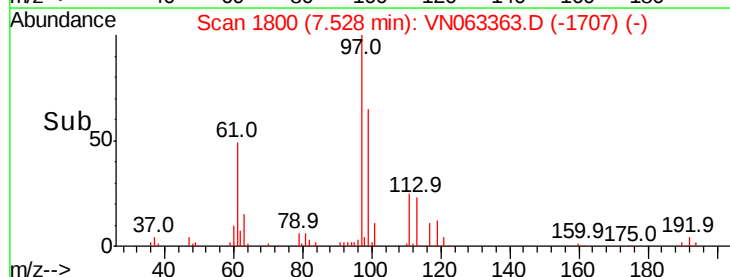
97 100

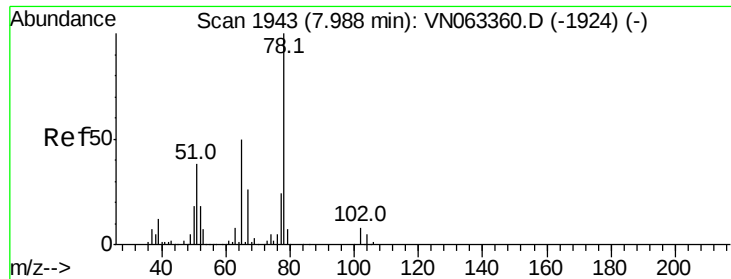
99 64.2 50.6 76.0

61 49.4 39.2 58.8



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO

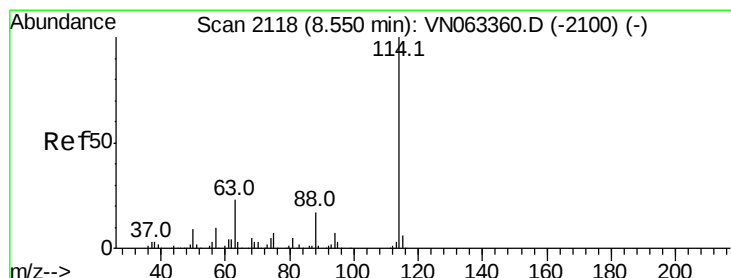
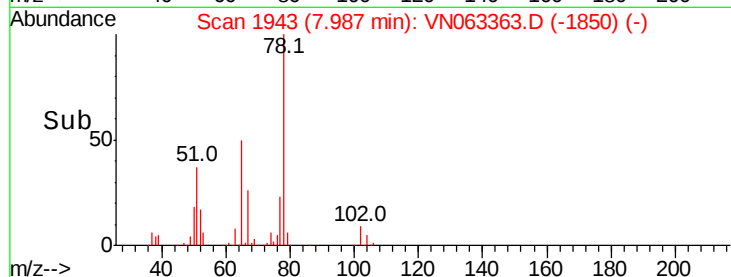
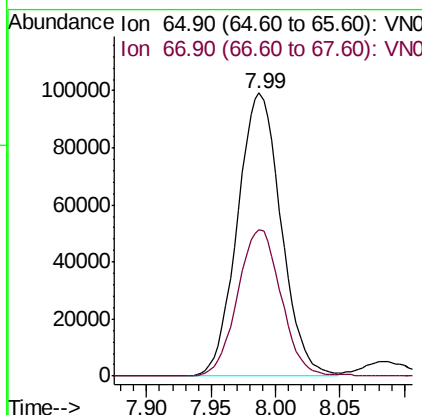
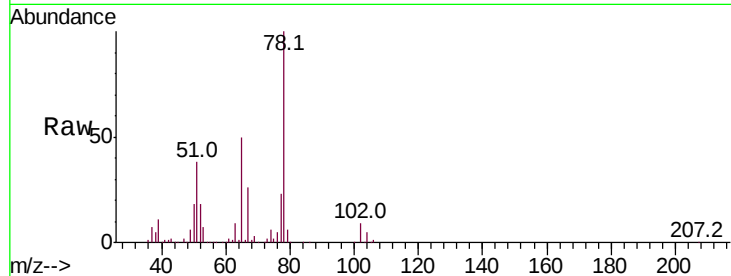




#33
 1,2-Dichloroethane-d4
 Concen: 47.851 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN063363.D
 Acq: 16 Sep 2020 13:31

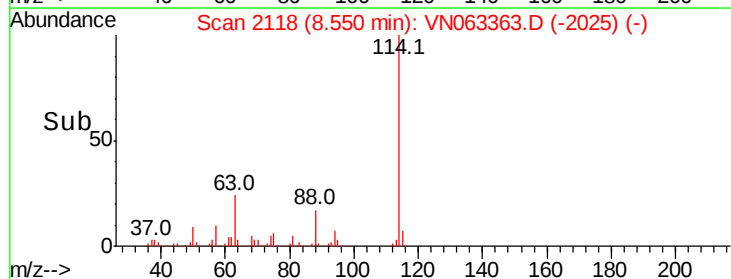
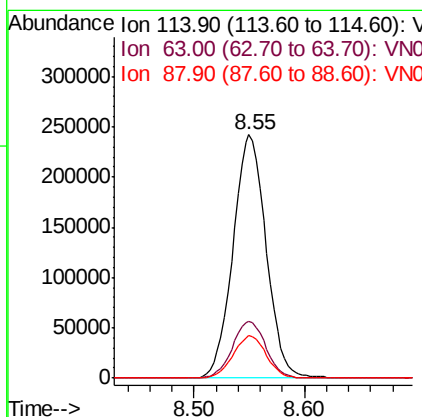
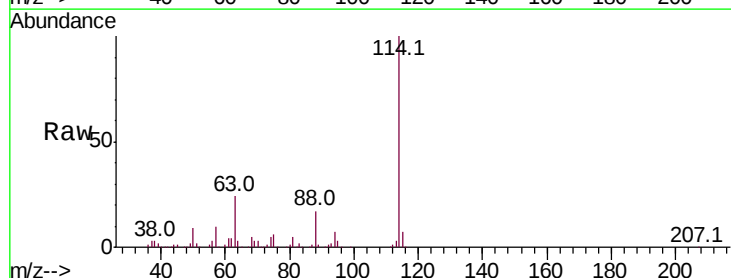
Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN091620

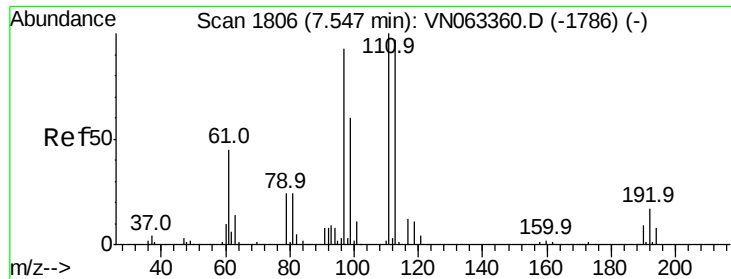
Tot Ion: 65 Resp: 233737
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063363.D
 Acq: 16 Sep 2020 13:31

Tgt Ion: 114 Resp: 502997
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 46.4
 88 17.3 0.0 33.2

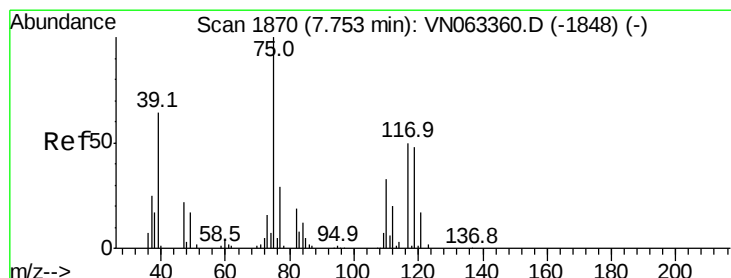
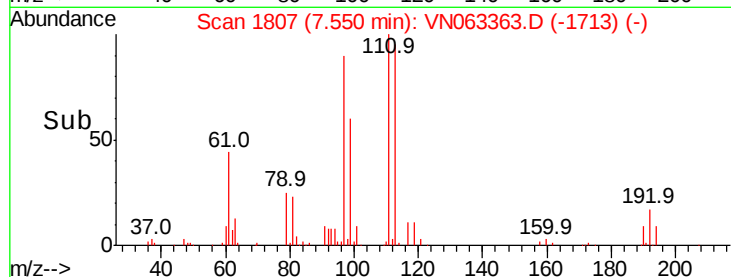
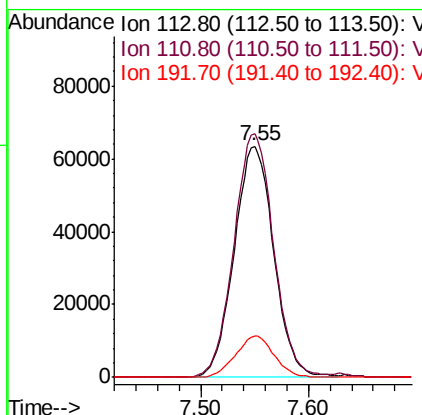
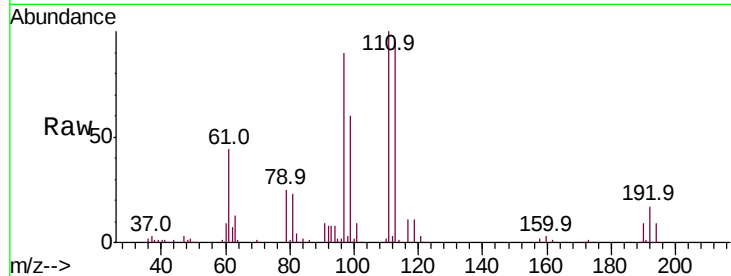




#35
 Dibromofluoromethane
 Concen: 46.551 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063363.D
 Acq: 16 Sep 2020 13:31

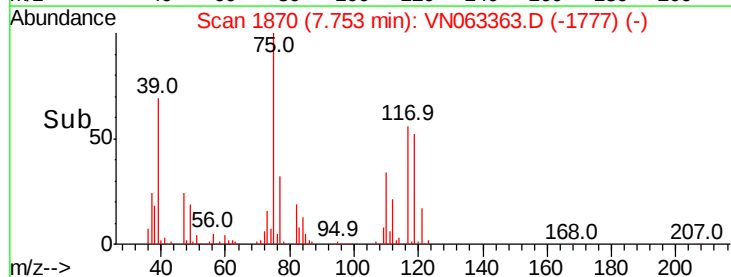
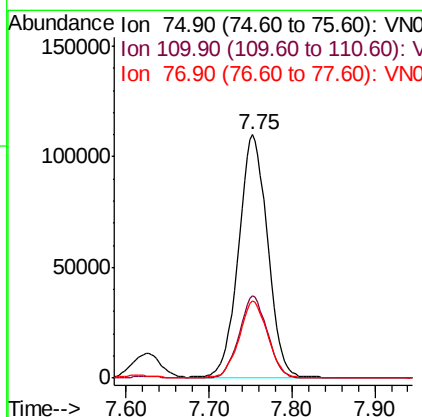
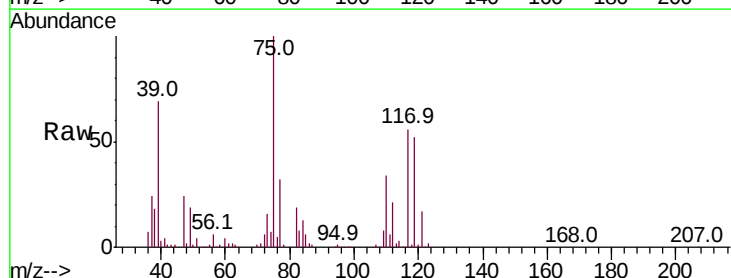
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN091620

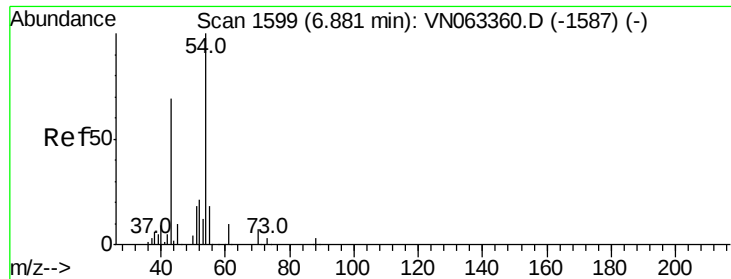
Tot Ion	Ratio	Lower	Upper
113	100		
111	105.7	82.9	124.3
192	17.5	13.9	20.9



#36
 1,1-Dichloropropene
 Concen: 49.810 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN063363.D
 Acq: 16 Sep 2020 13:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.9	16.5	49.5
77	31.6	24.6	36.8

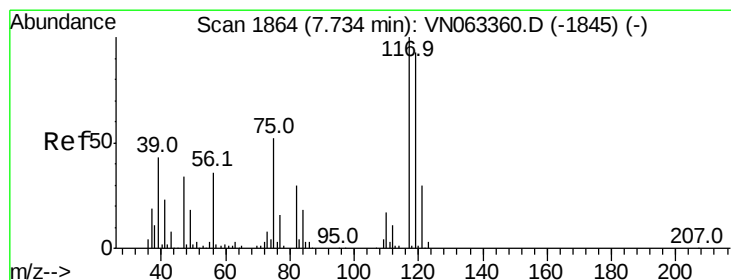
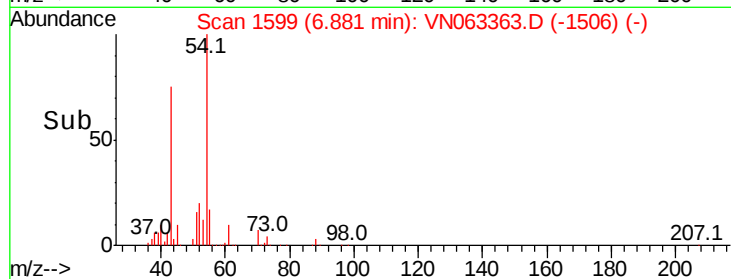
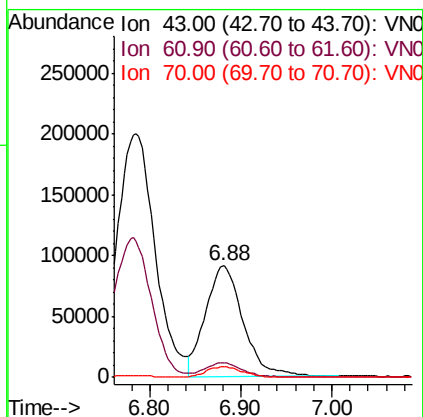
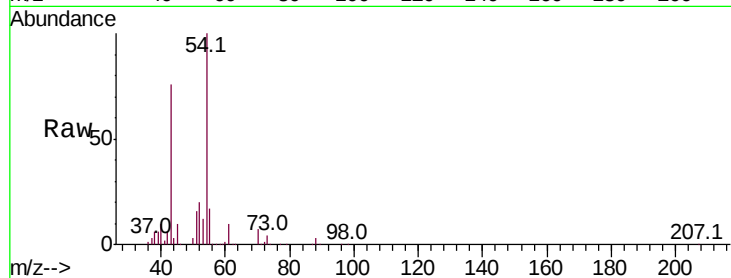




#37
Ethyl Acetate
Concen: 49.831 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN063363.D
Acq: 16 Sep 2020 13:31

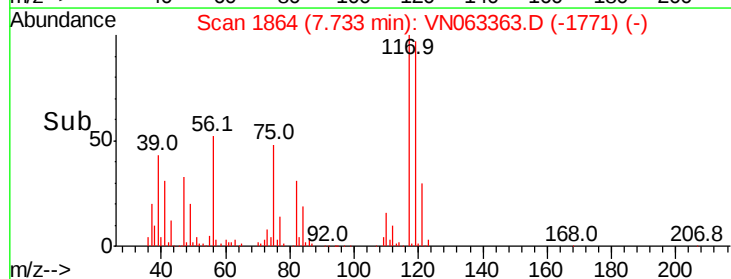
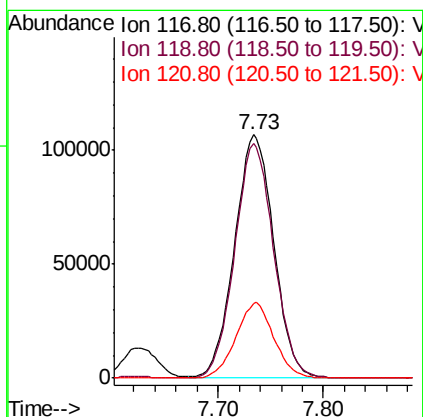
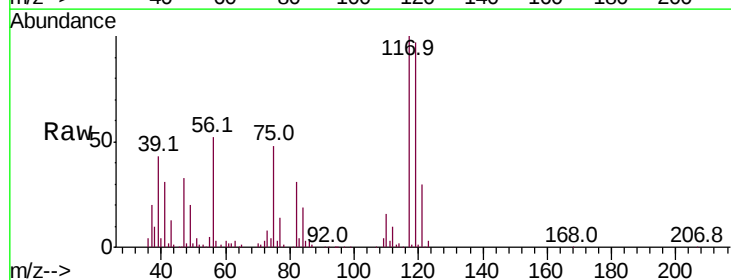
Instrument :
MSVOA_N
ClientSampleId :
ICVVN091620

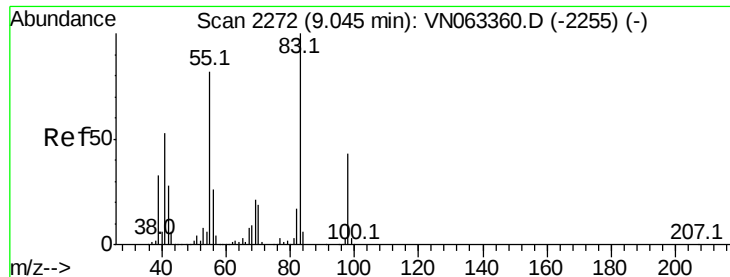
Tot Ion: 43 Resp: 262078
Ion Ratio Lower Upper
43 100
61 12.7 10.6 15.8
70 9.0 7.2 10.8



#38
Carbon Tetrachloride
Concen: 50.250 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN063363.D
Acq: 16 Sep 2020 13:31

Tgt Ion: 117 Resp: 274878
Ion Ratio Lower Upper
117 100
119 96.5 74.5 111.7
121 30.5 24.1 36.1

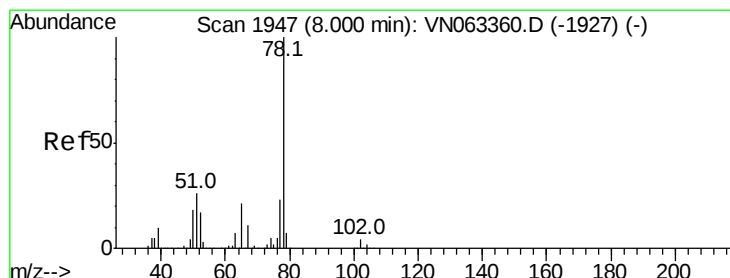
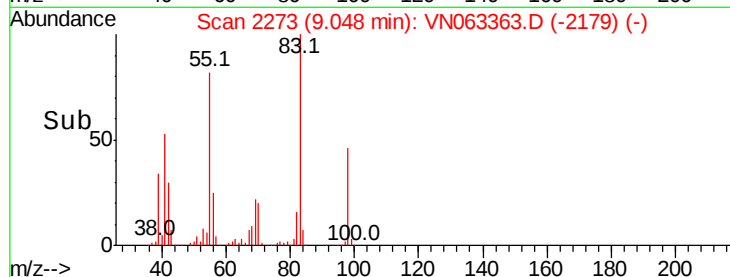
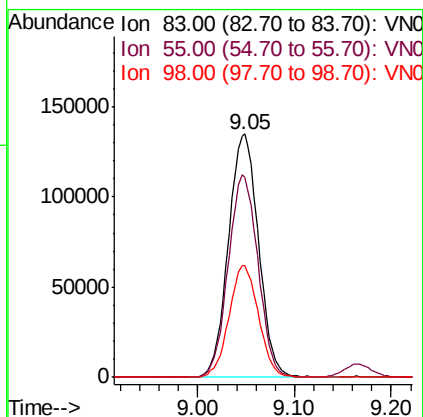
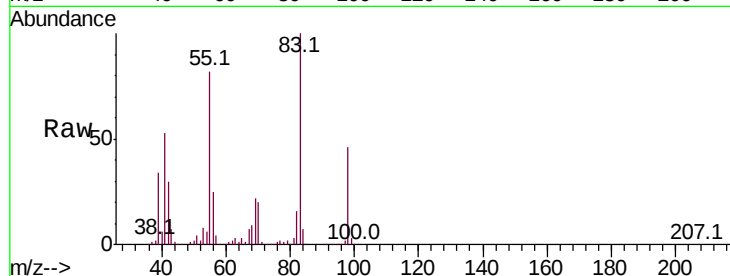




#39
Methvlcvclohexane
Concen: 50.171 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN063363.D
Acq: 16 Sep 2020 13:31

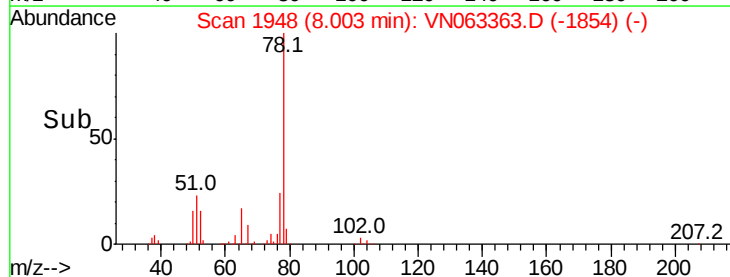
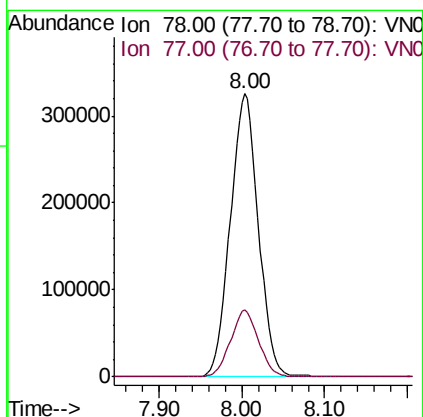
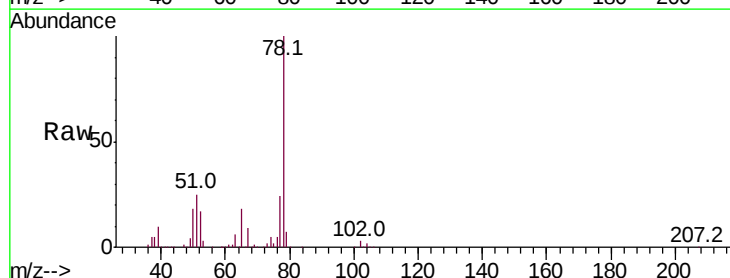
Instrument :
MSVOA_N
ClientSampleId :
ICVVN091620

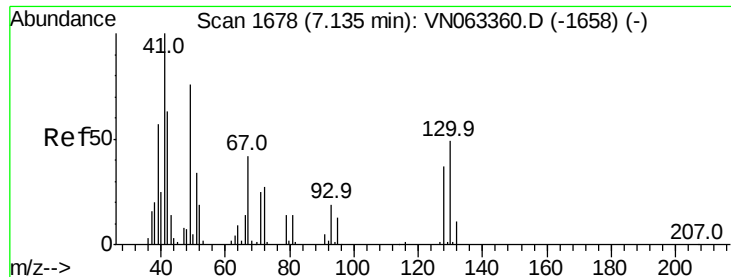
Tot Ion: 83 Resp: 291791
Ion Ratio Lower Upper
83 100
55 82.2 65.5 98.3
98 45.7 34.2 51.4



#40
Benzene
Concen: 50.066 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063363.D
Acq: 16 Sep 2020 13:31

Tgt Ion: 78 Resp: 765865
Ion Ratio Lower Upper
78 100
77 23.9 18.3 27.5

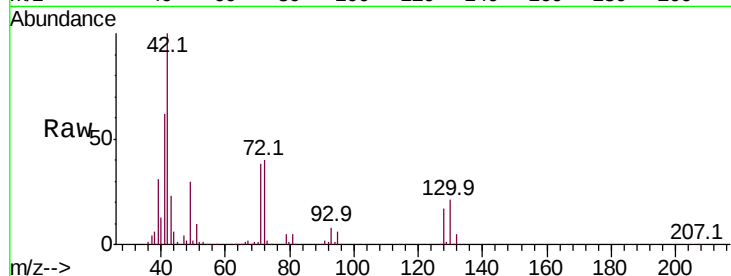




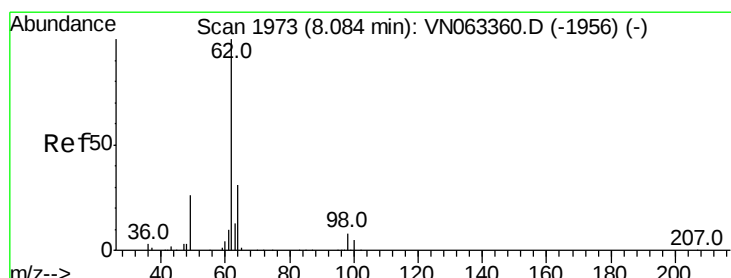
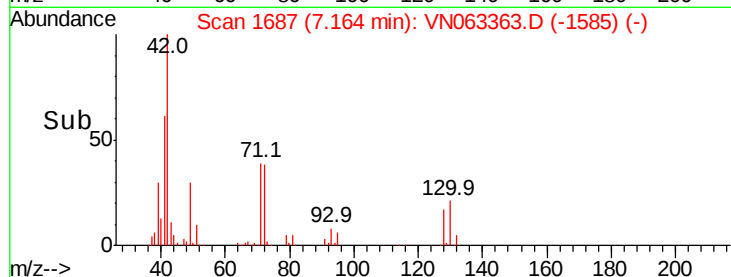
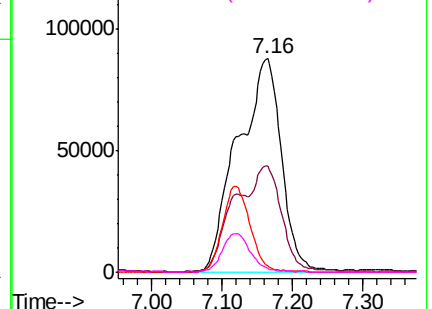
#41
Methacrylonitrile
Concen: 159.284 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. 0.03 min
Lab File: VN063363.D
Acq: 16 Sep 2020 13:31

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091620

Tot Ion:	41	Resp:	376781
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

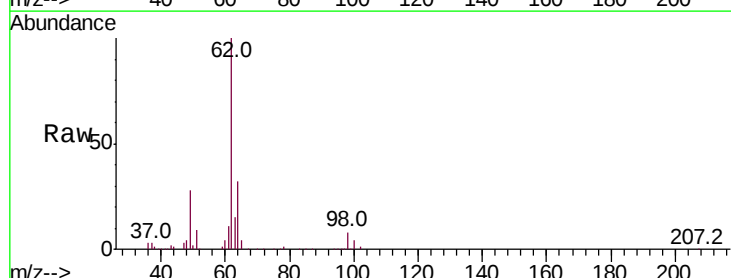


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

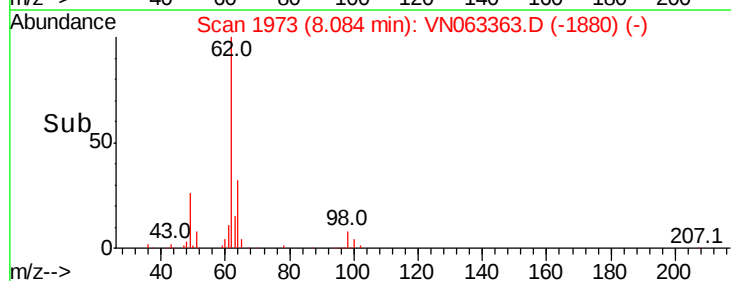
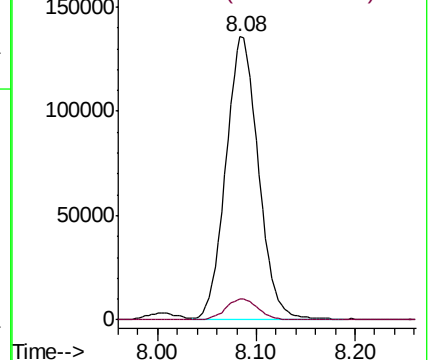


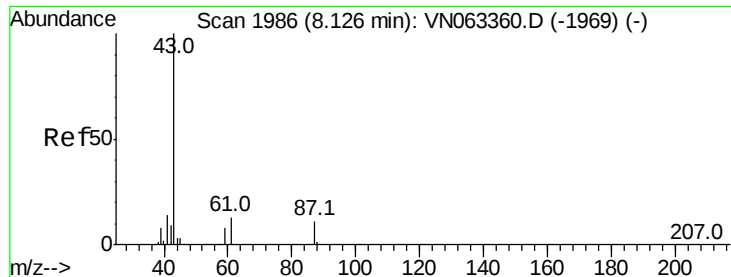
#42
1,2-Dichloroethane
Concen: 50.792 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN063363.D
Acq: 16 Sep 2020 13:31

Tgt Ion:	62	Resp:	312462
Ion	Ratio	Lower	Upper
62	100		
98	7.4	0.0	15.6



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



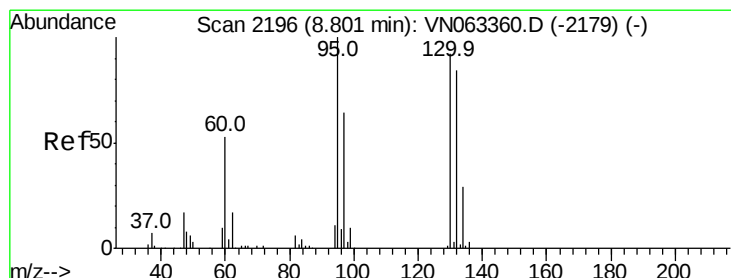
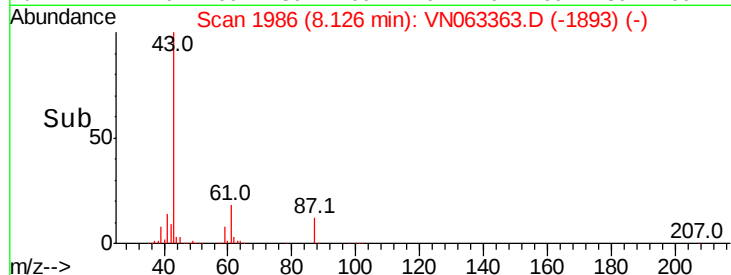
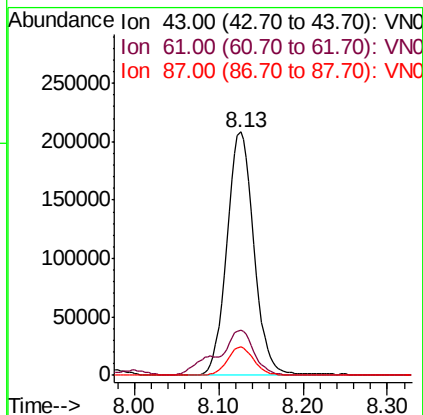
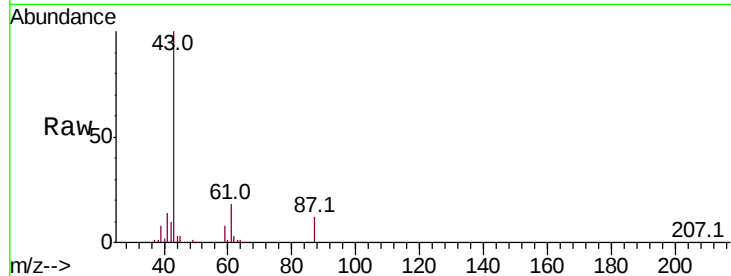


#43

Isopropyl Acetate
 Concen: 49.232 ug/l
 RT: 8.13 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VN063363.D
 Acq: 16 Sep 2020 13:31

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN091620

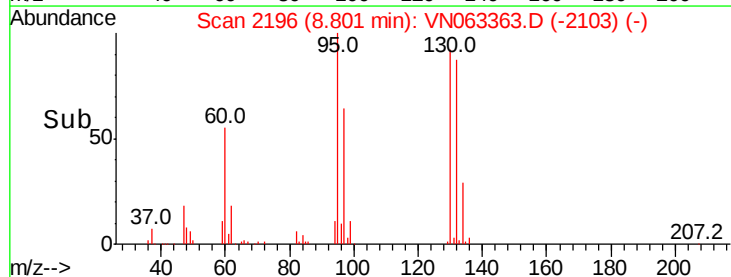
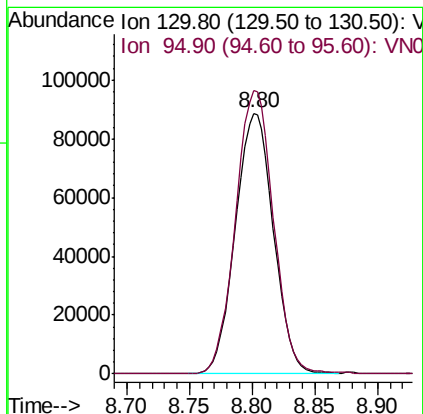
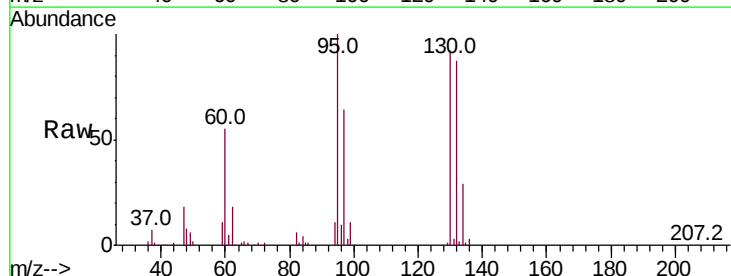
Tot Ion: 43 Resp: 462992
 Ion Ratio Lower Upper
 43 100
 61 18.0 14.2 21.2
 87 11.6 9.0 13.6

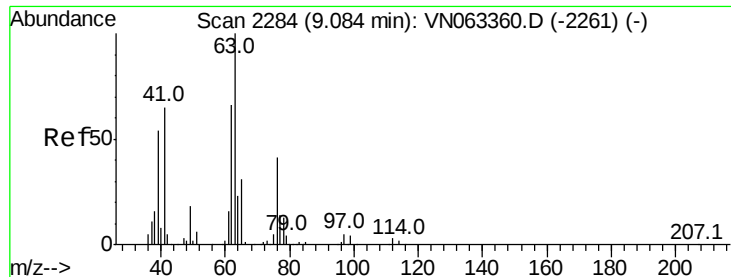


#44

Trichloroethene
 Concen: 50.539 ug/l
 RT: 8.80 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN063363.D
 Acq: 16 Sep 2020 13:31

Tgt Ion:130 Resp: 187513
 Ion Ratio Lower Upper
 130 100
 95 108.7 0.0 217.4





#45

1,2-Dichloropropane

Concen: 50.790 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN063363.D

Acq: 16 Sep 2020 13:31

Instrument :

MSVOA_N

ClientSampled :

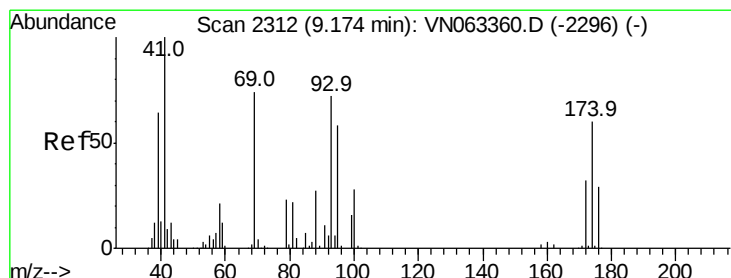
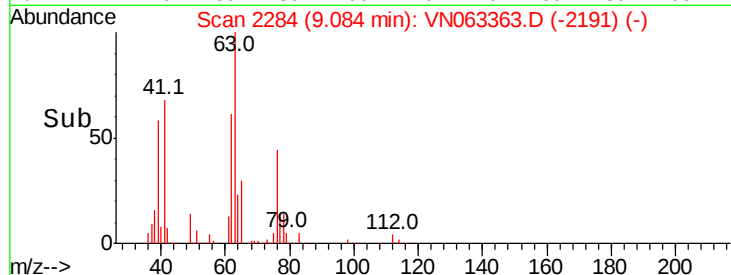
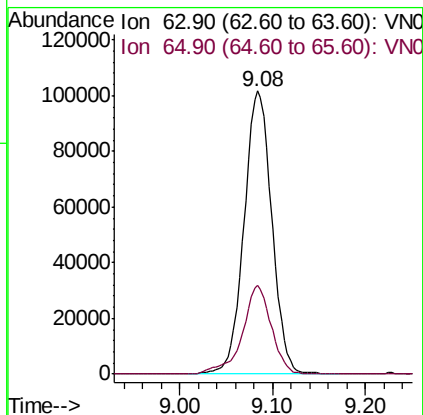
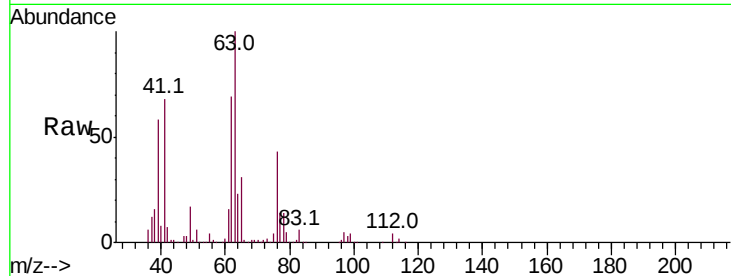
ICVVN091620

Tot Ion: 63 Resp: 211606

Ion Ratio Lower Upper

63 100

65 31.2 25.0 37.6



#46

Dibromomethane

Concen: 49.926 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN063363.D

Acq: 16 Sep 2020 13:31

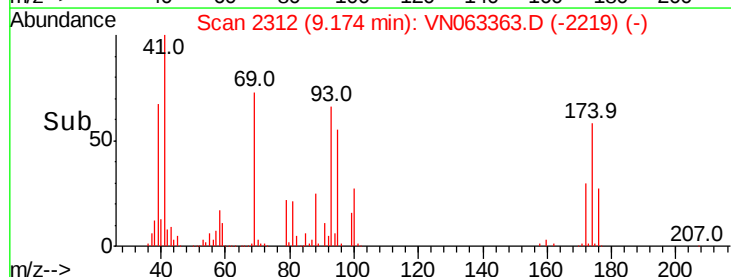
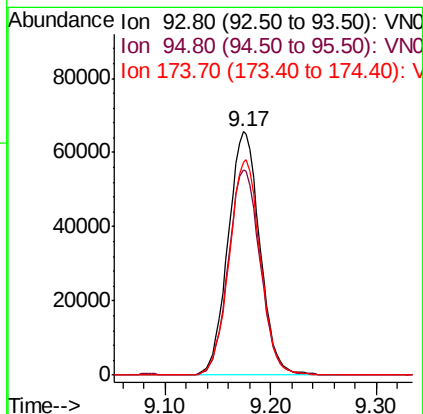
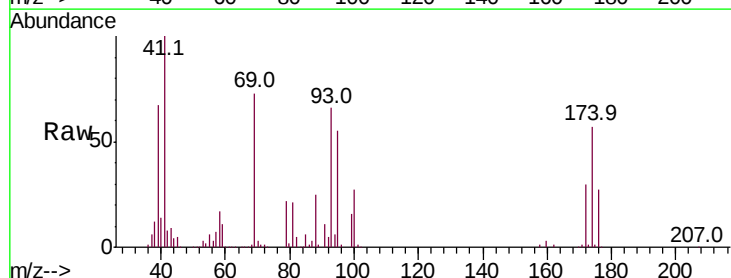
Tgt Ion: 93 Resp: 136714

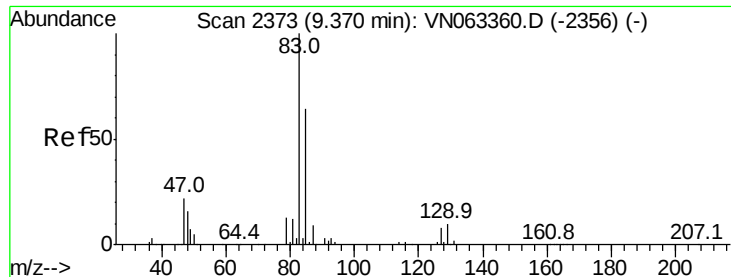
Ion Ratio Lower Upper

93 100

95 84.3 65.6 98.4

174 87.0 68.1 102.1





#47

Bromodichloromethane

Concen: 51.115 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN063363.D

Acq: 16 Sep 2020 13:31

Instrument :

MSVOA_N

ClientSampleId :

ICVVN091620

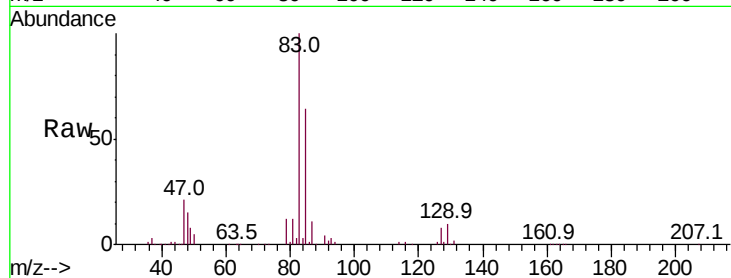
Tot Ion: 83 Resp: 290783

Ion Ratio Lower Upper

83 100

85 63.6 51.0 76.6

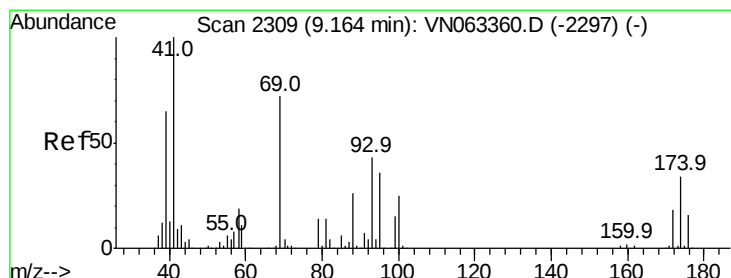
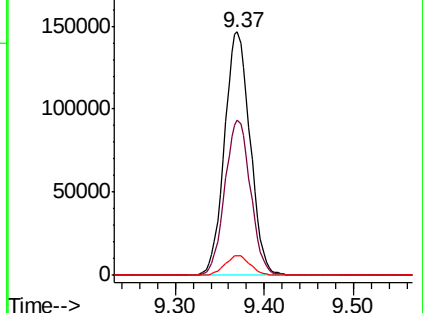
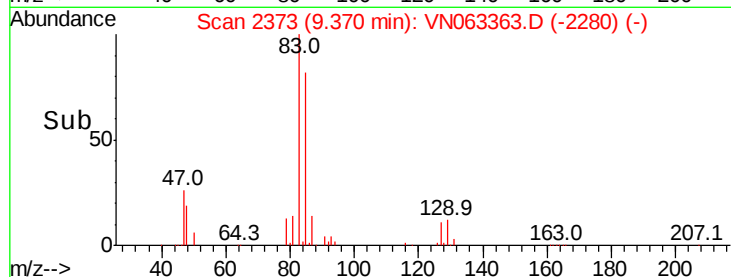
127 8.3 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 48.483 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN063363.D

Acq: 16 Sep 2020 13:31

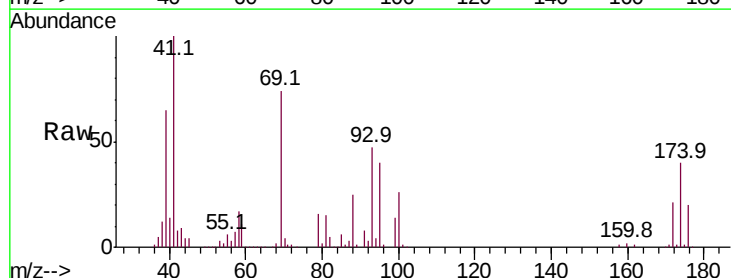
Tgt Ion: 41 Resp: 224009

Ion Ratio Lower Upper

41 100

69 76.7 59.3 88.9

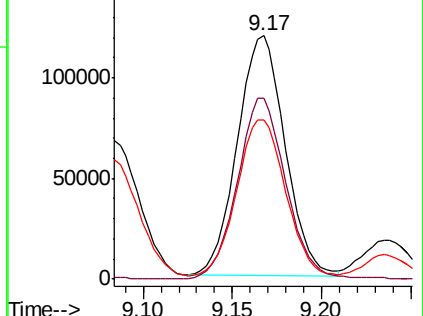
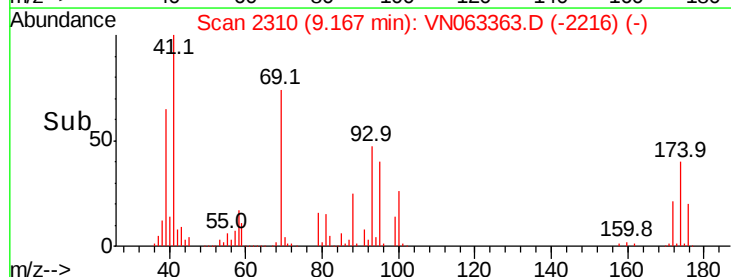
39 68.9 52.9 79.3

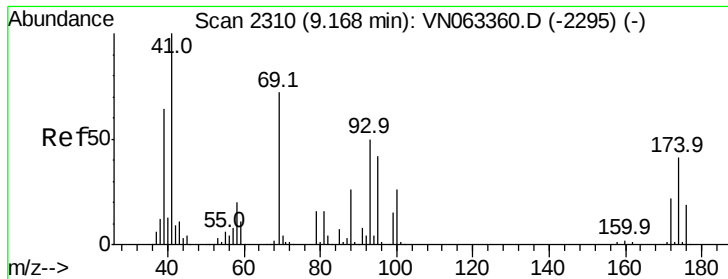


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

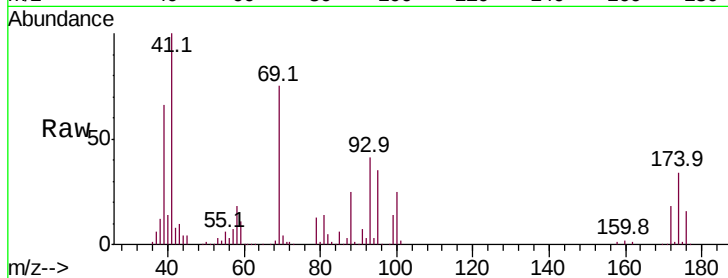




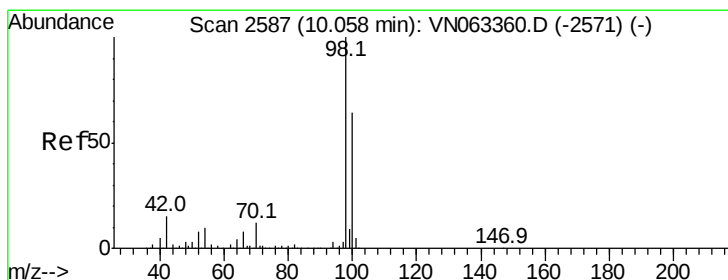
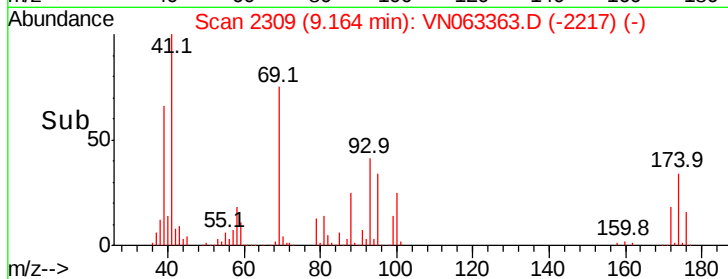
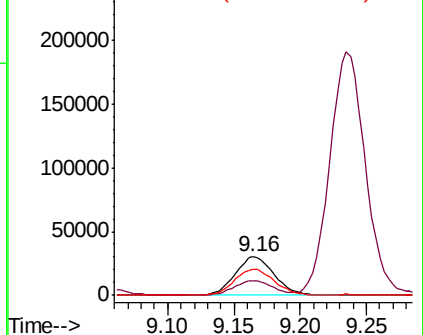
#49
1,4-Dioxane
Concen: 940.469 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN063363.D
Acq: 16 Sep 2020 13:31

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091620

Tot Ion: 88 Resp: 62358
Ion Ratio Lower Upper
88 100
43 35.9 32.6 49.0
58 69.7 60.0 90.0

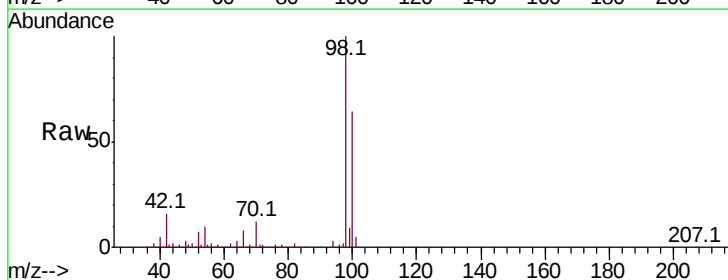


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

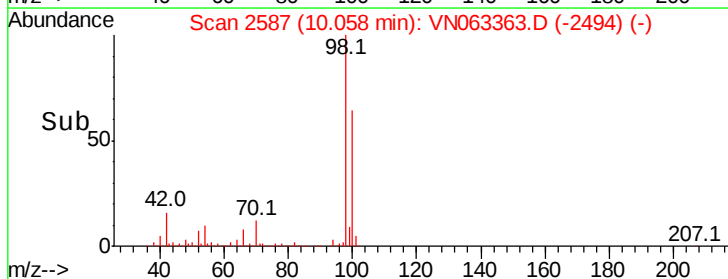
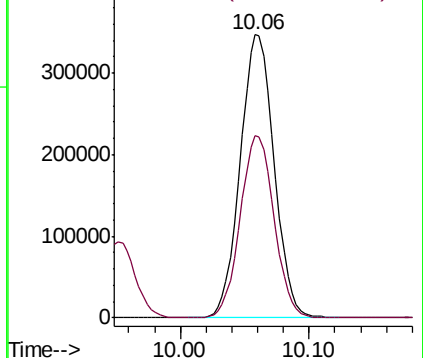


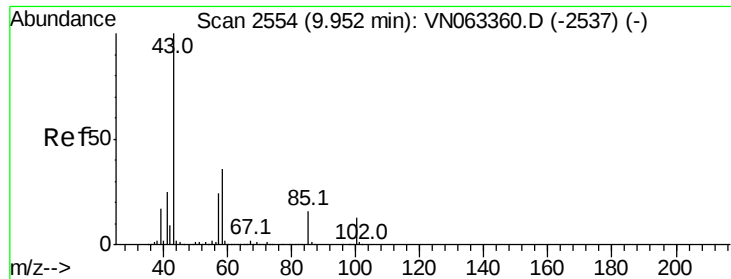
#50
Toluene-d8
Concen: 48.570 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN063363.D
Acq: 16 Sep 2020 13:31

Tgt Ion: 98 Resp: 635946
Ion Ratio Lower Upper
98 100
100 64.1 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

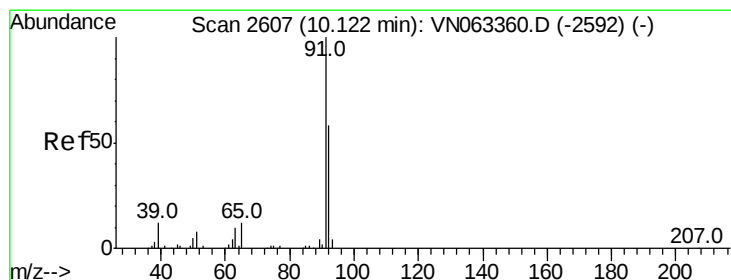
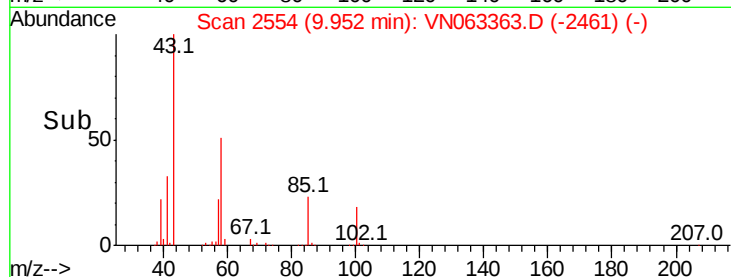
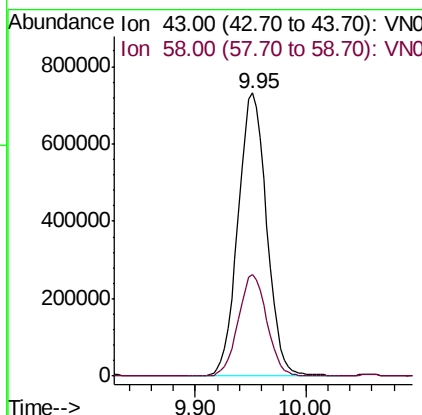
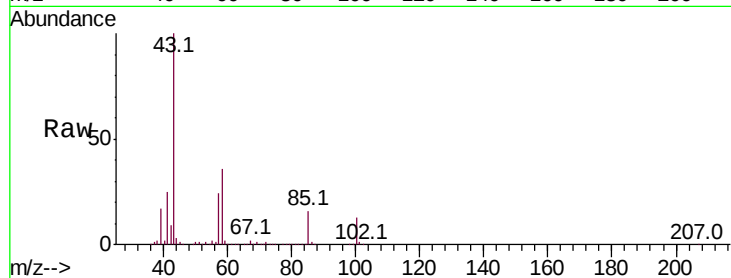




#51
4-Methyl-2-Pentanone
Concen: 249.681 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN063363.D
Acq: 16 Sep 2020 13:31

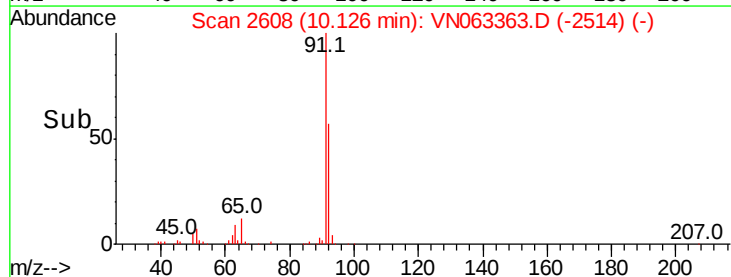
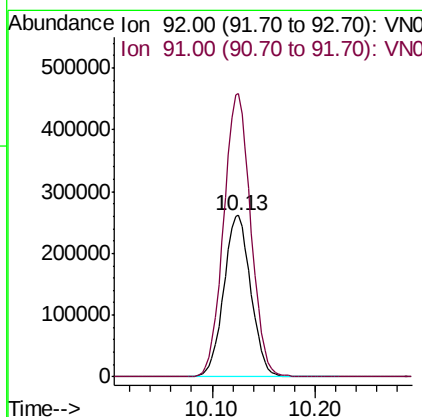
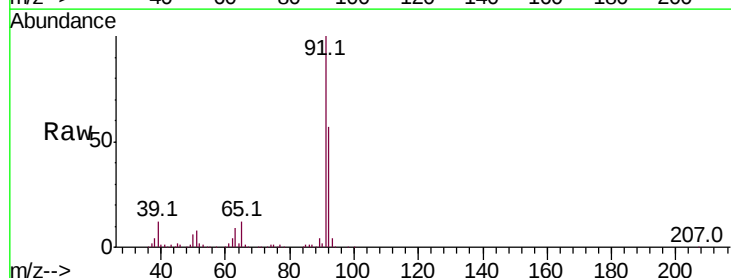
Instrument :
MSVOA_N
ClientSampleId :
ICVVN091620

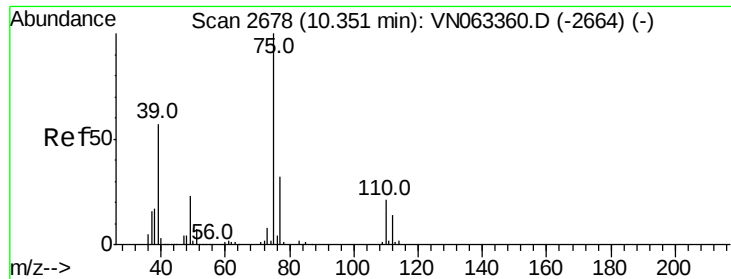
Tot Ion: 43 Resp: 1314531
Ion Ratio Lower Upper
43 100
58 36.0 29.0 43.6



#52
Toluene
Concen: 51.959 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VN063363.D
Acq: 16 Sep 2020 13:31

Tgt Ion: 92 Resp: 477875
Ion Ratio Lower Upper
92 100
91 176.4 139.7 209.5





#53

t-1,3-Dichloropropene

Concen: 52.216 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN063363.D

Acq: 16 Sep 2020 13:31

Instrument :

MSVOA_N

ClientSampleId :

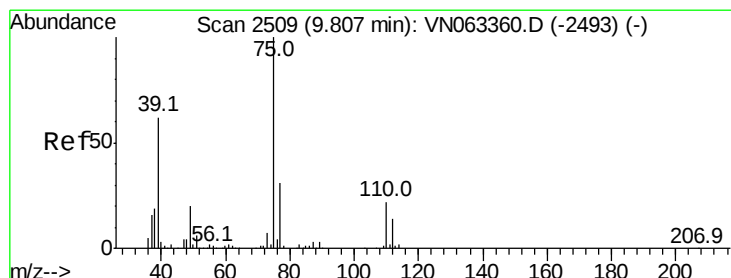
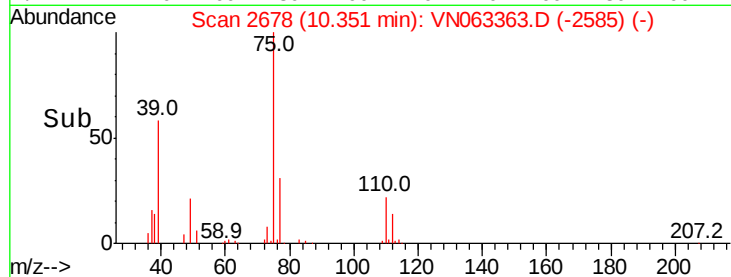
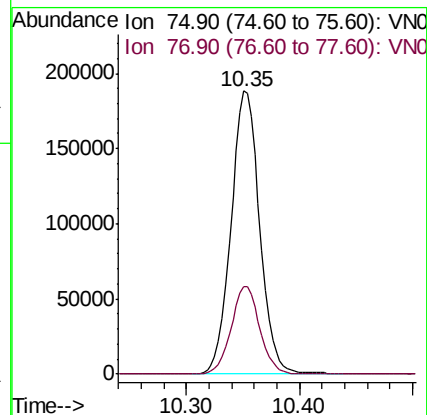
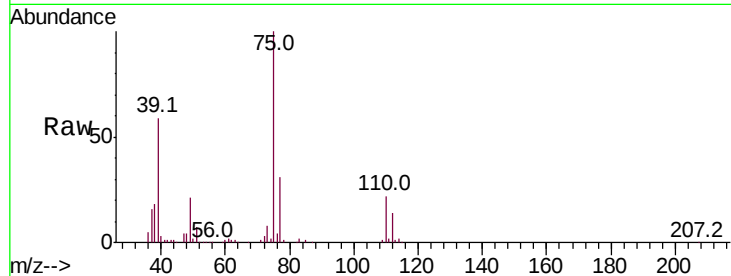
ICVVN091620

Tot Ion: 75 Resp: 331617

Ion Ratio Lower Upper

75 100

77 30.8 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 51.407 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN063363.D

Acq: 16 Sep 2020 13:31

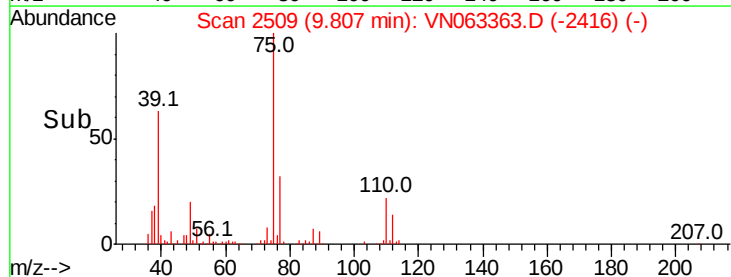
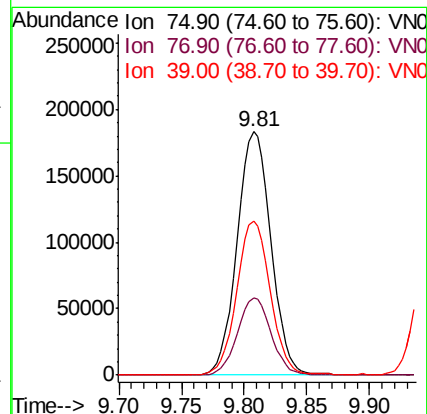
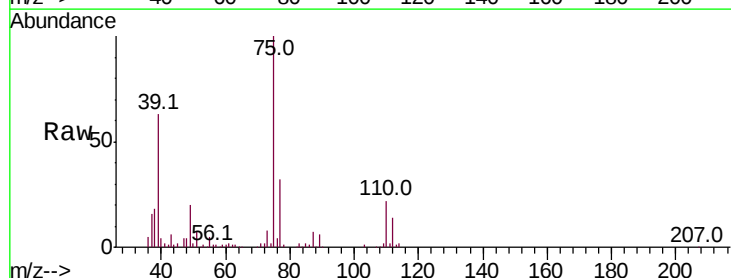
Tgt Ion: 75 Resp: 344374

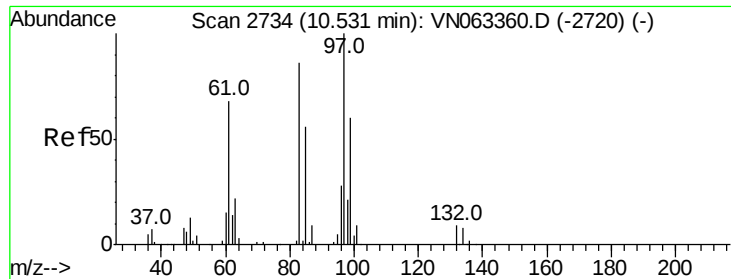
Ion Ratio Lower Upper

75 100

77 31.7 24.6 37.0

39 63.3 49.8 74.8





#55

1,1,2-Trichloroethane

Concen: 50.787 ug/l

RT: 10.53 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN063363.D

Acq: 16 Sep 2020 13:31

Instrument :

MSVOA_N

ClientSampleId :

ICVVN091620

Tot Ion: 97 Resp: 185535

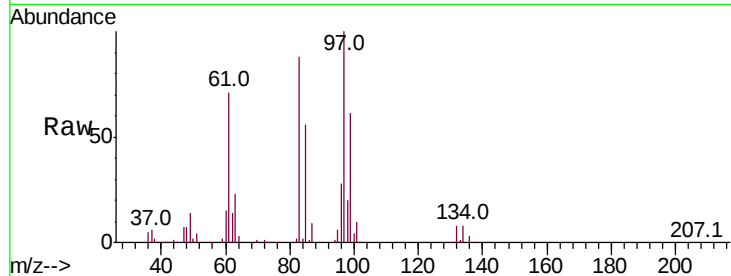
Ion Ratio Lower Upper

97 100

83 88.3 68.9 103.3

85 56.0 44.8 67.2

99 61.4 47.8 71.8

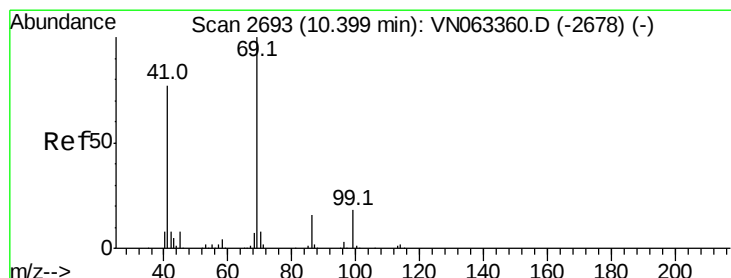
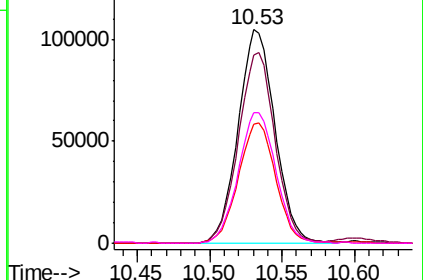
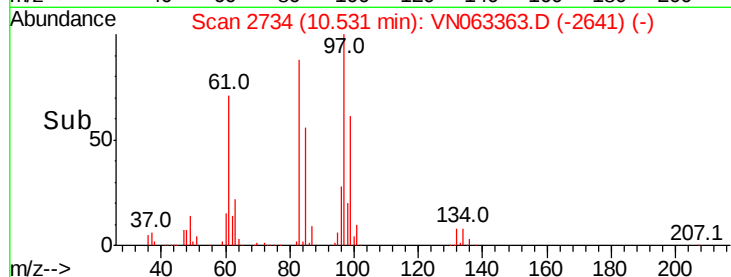


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 51.738 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. -0.00 min

Lab File: VN063363.D

Acq: 16 Sep 2020 13:31

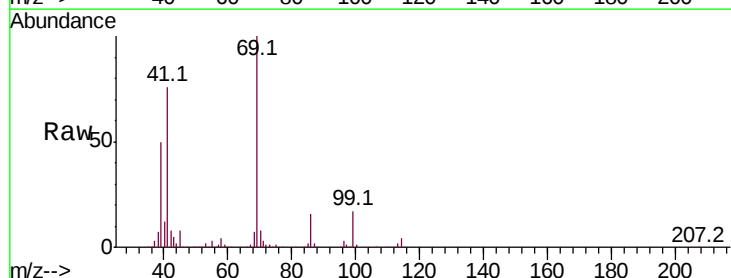
Tgt Ion: 69 Resp: 295063

Ion Ratio Lower Upper

69 100

41 75.1 61.0 91.6

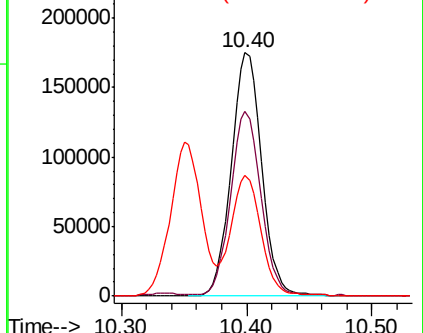
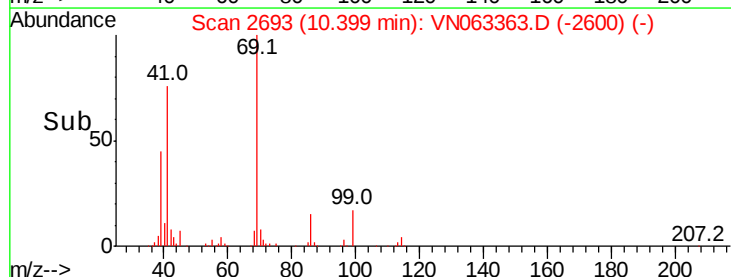
39 48.9 39.2 58.8



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 49.307 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN063363.D

Acq: 16 Sep 2020 13:31

Instrument :

MSVOA_N

ClientSampleId :

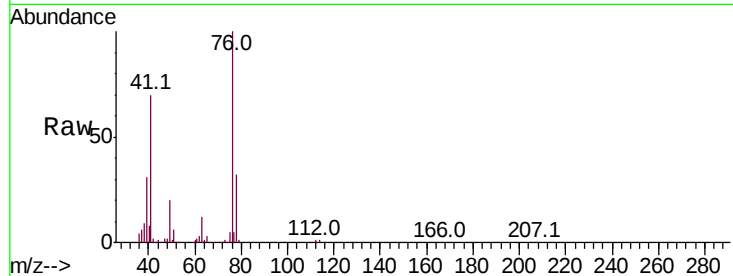
ICVVN091620

Tot Ion: 76 Resp: 324827

Ion Ratio Lower Upper

76 100

78 32.7 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.68

200000

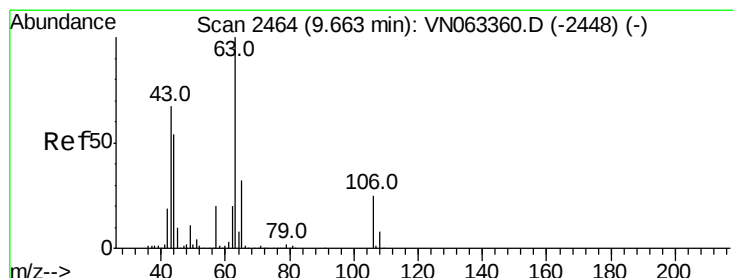
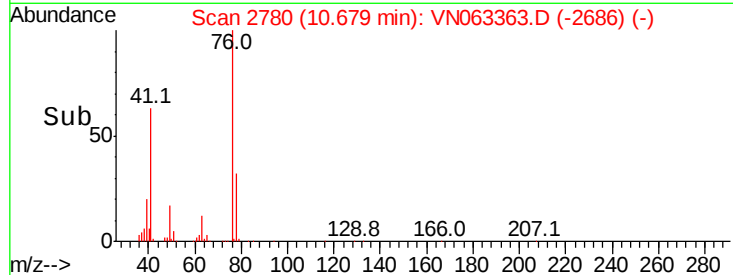
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 270.420 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN063363.D

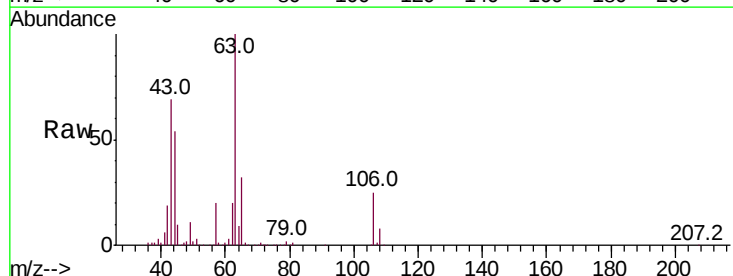
Acq: 16 Sep 2020 13:31

Tgt Ion: 63 Resp: 809014

Ion Ratio Lower Upper

63 100

106 25.2 19.5 29.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.66

500000

400000

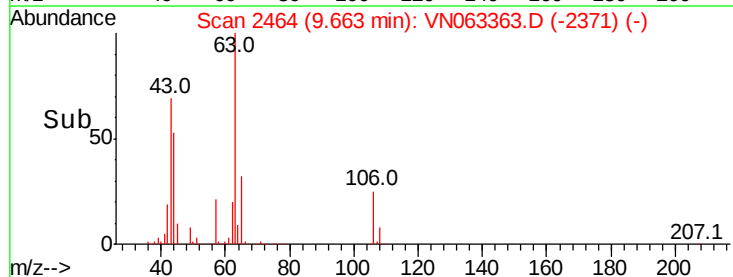
300000

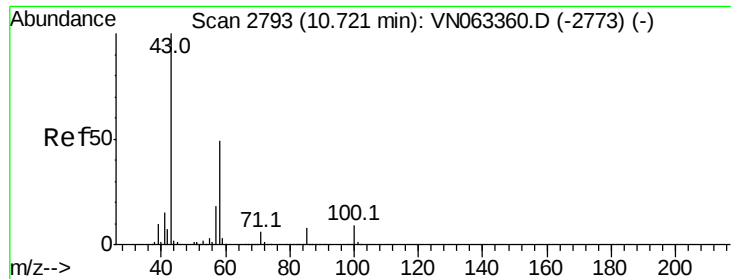
200000

100000

0

Time-->

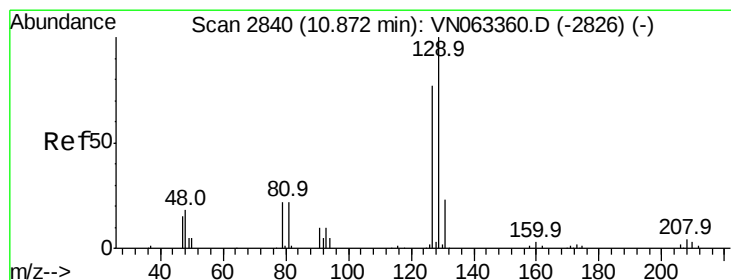
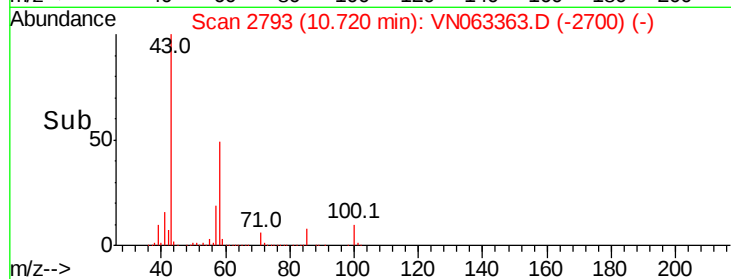
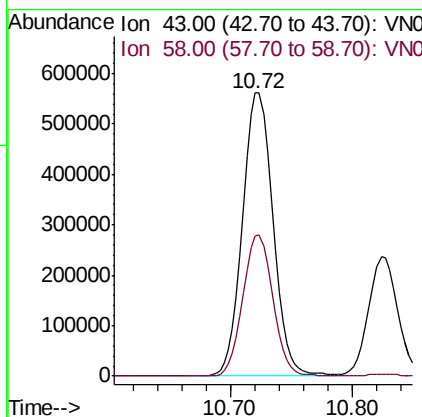
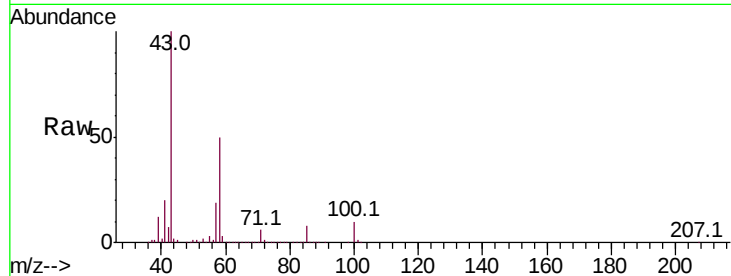




#59
2-Hexanone
Concen: 253.442 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN063363.D
Acq: 16 Sep 2020 13:31

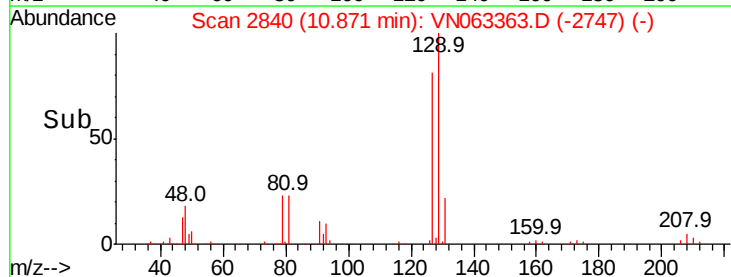
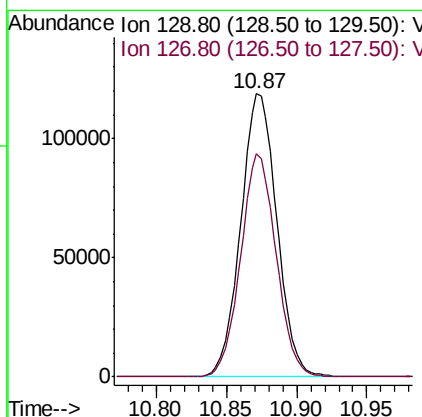
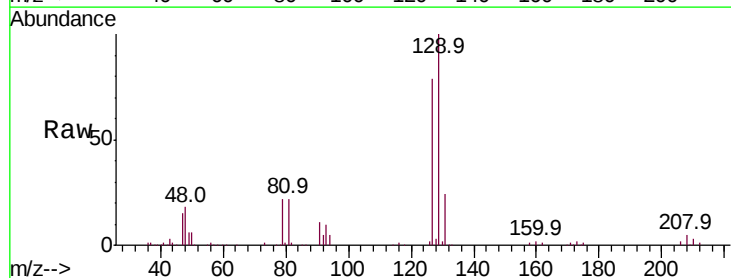
Instrument :
MSVOA_N
ClientSampleId :
ICVVN091620

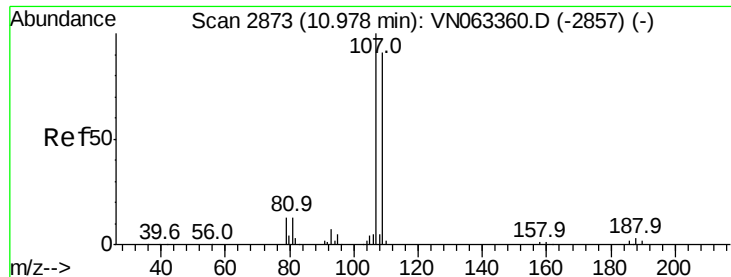
Tot Ion: 43 Resp: 966684
Ion Ratio Lower Upper
43 100
58 49.2 24.7 74.1



#60
Dibromochloromethane
Concen: 51.778 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN063363.D
Acq: 16 Sep 2020 13:31

Tgt Ion: 129 Resp: 213693
Ion Ratio Lower Upper
129 100
127 77.6 39.1 117.3

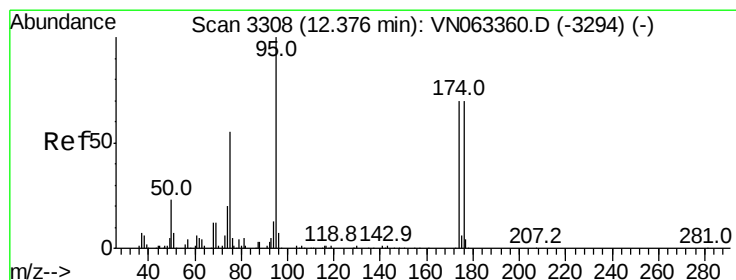
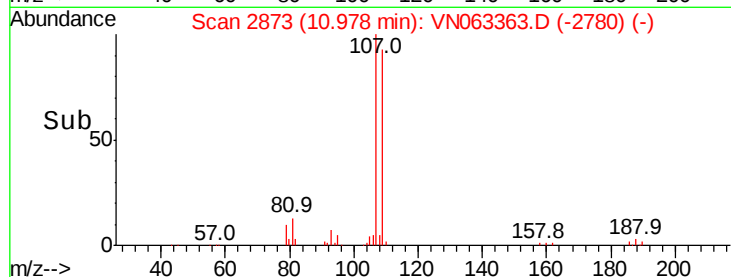
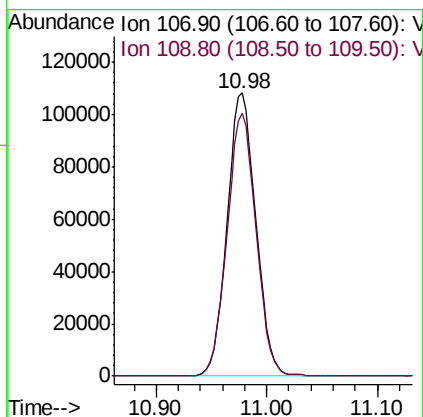
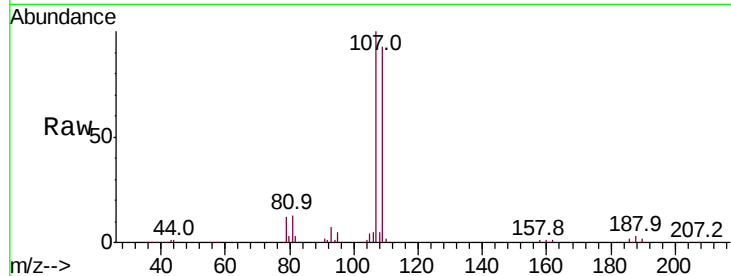




#61
 1,2-Dibromoethane
 Concen: 51.488 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. -0.00 min
 Lab File: VN063363.D
 Acq: 16 Sep 2020 13:31

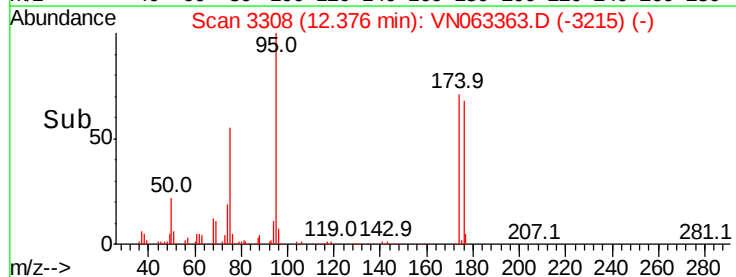
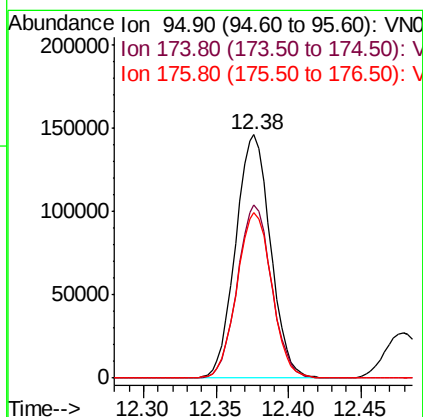
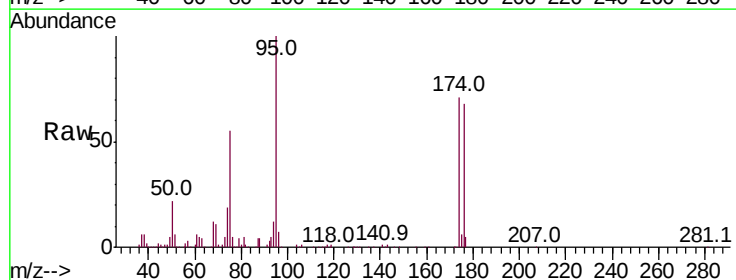
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN091620

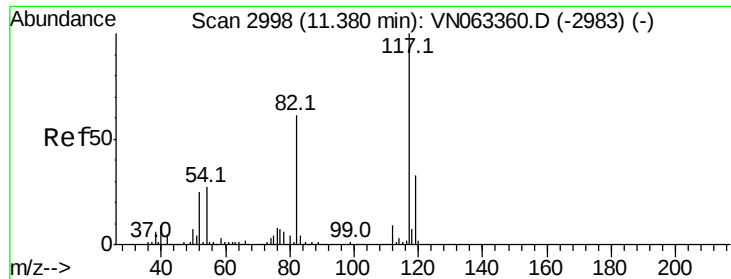
Tot Ion:107 Resp: 195417
 Ion Ratio Lower Upper
 107 100
 109 93.7 74.6 111.8



#62
 4-Bromofluorobenzene
 Concen: 50.940 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: VN063363.D
 Acq: 16 Sep 2020 13:31

Tgt Ion: 95 Resp: 244505
 Ion Ratio Lower Upper
 95 100
 174 69.9 0.0 140.8
 176 68.3 0.0 137.6

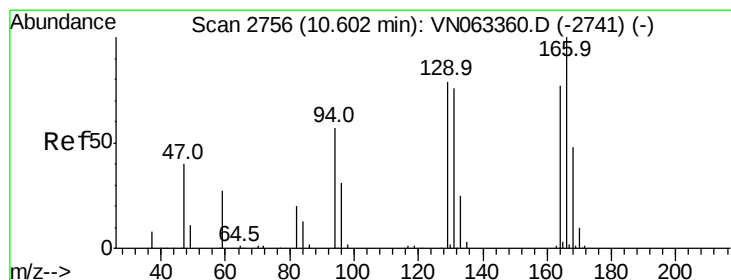
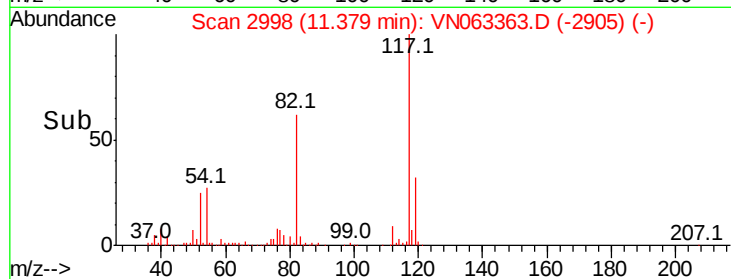
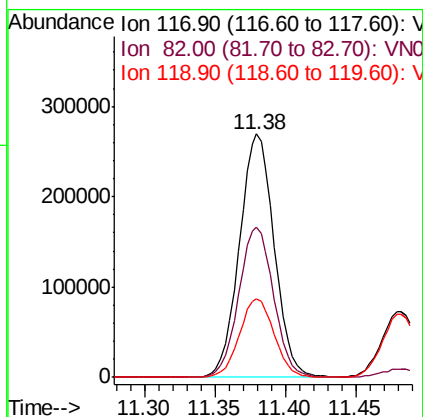
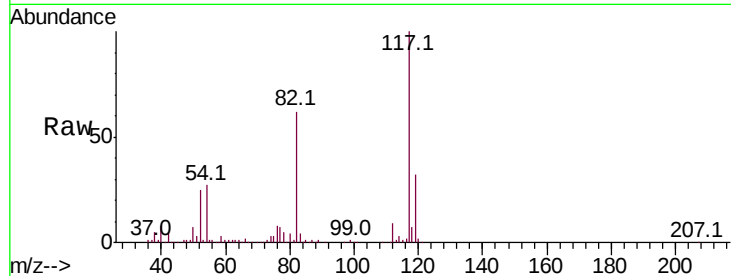




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063363.D
Acq: 16 Sep 2020 13:31

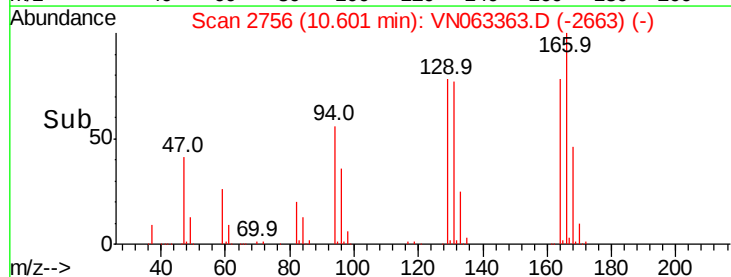
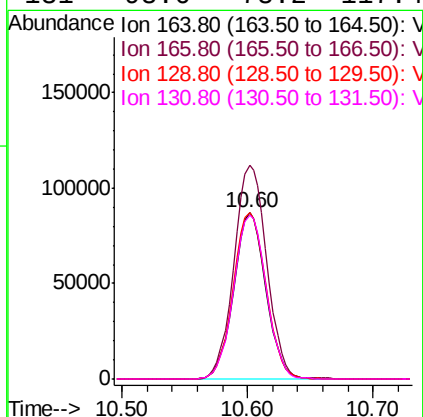
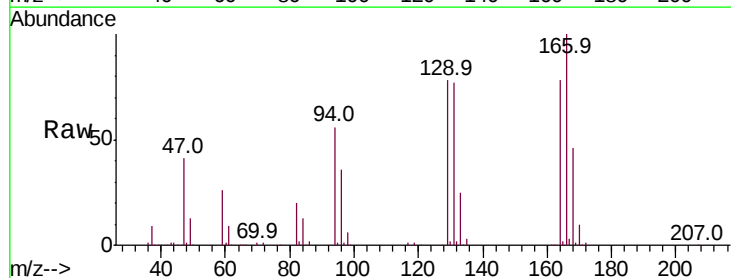
Instrument :
MSVOA_N
ClientSampleId :
ICVVN091620

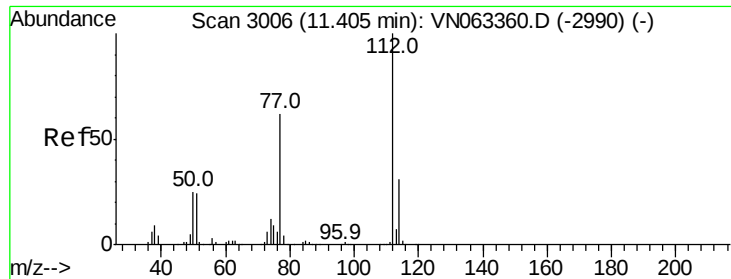
Tot Ion:117 Resp: 465450
Ion Ratio Lower Upper
117 100
82 61.8 49.2 73.8
119 32.3 26.2 39.4



#64
Tetrachloroethene
Concen: 48.812 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN063363.D
Acq: 16 Sep 2020 13:31

Tgt Ion:164 Resp: 154704
Ion Ratio Lower Upper
164 100
166 128.4 103.4 155.0
129 99.9 81.8 122.6
131 98.6 78.2 117.4

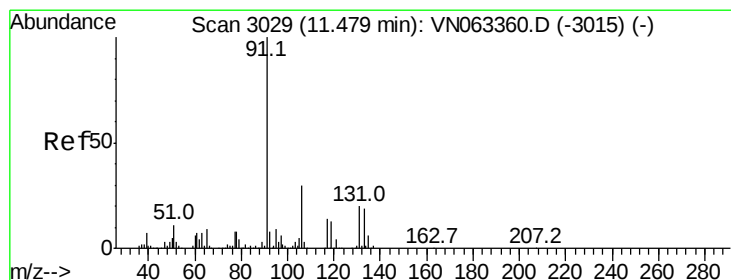
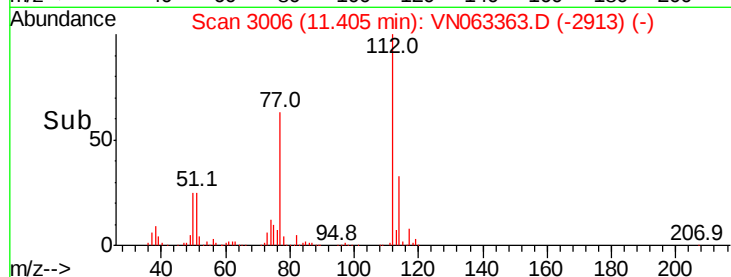
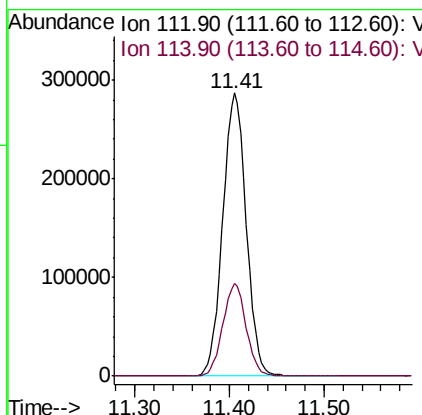
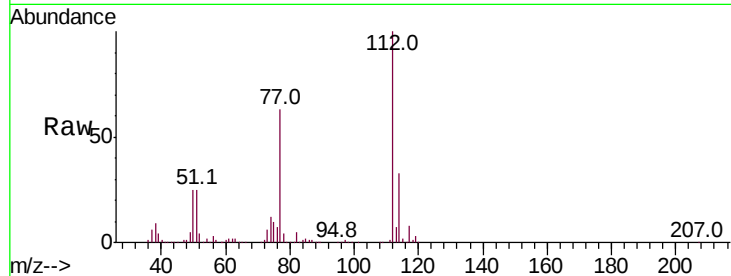




#65
Chlorobenzene
Concen: 50.080 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN063363.D
Acq: 16 Sep 2020 13:31

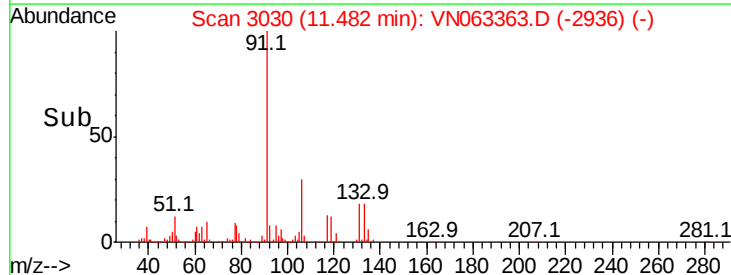
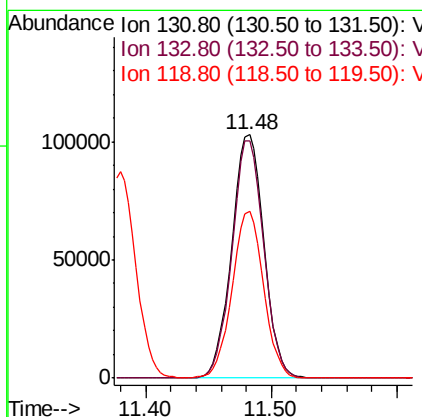
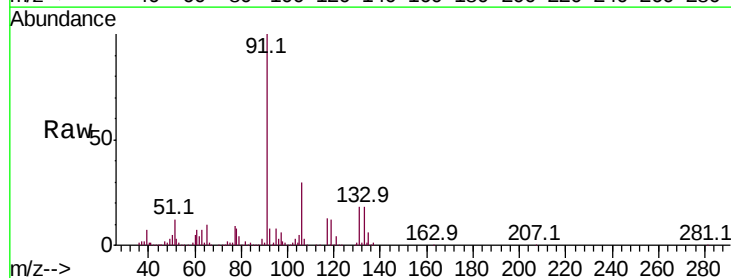
Instrument :
MSVOA_N
ClientSampleId :
ICVFN091620

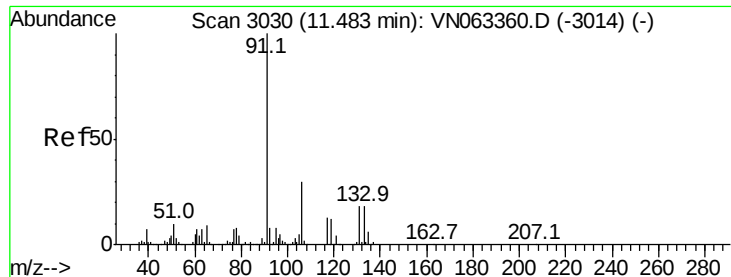
Tot Ion:112 Resp: 494802
Ion Ratio Lower Upper
112 100
114 32.9 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 50.743 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063363.D
Acq: 16 Sep 2020 13:31

Tgt Ion:131 Resp: 183777
Ion Ratio Lower Upper
131 100
133 96.1 47.3 141.9
119 67.0 33.6 100.8





#67

Ethyl Benzene

Concen: 50.633 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. -0.00 min

Lab File: VN063363.D

Acq: 16 Sep 2020 13:31

Instrument :

MSVOA_N

ClientSampleId :

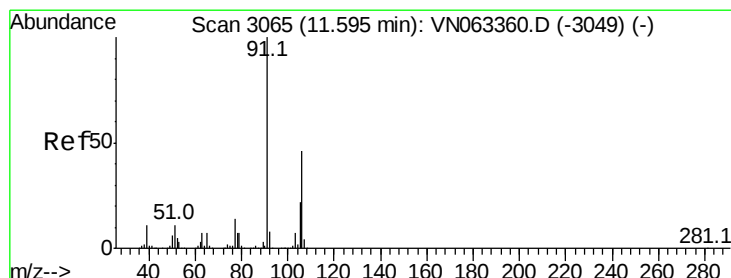
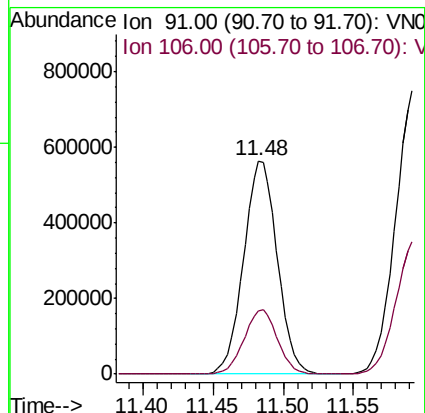
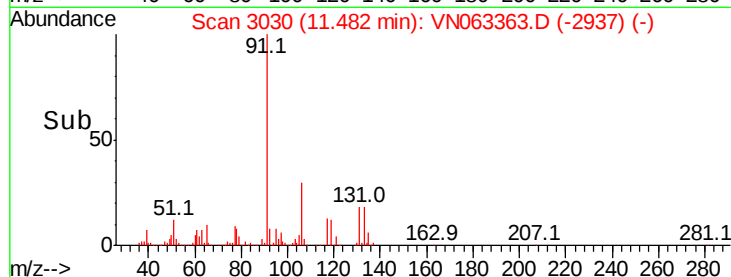
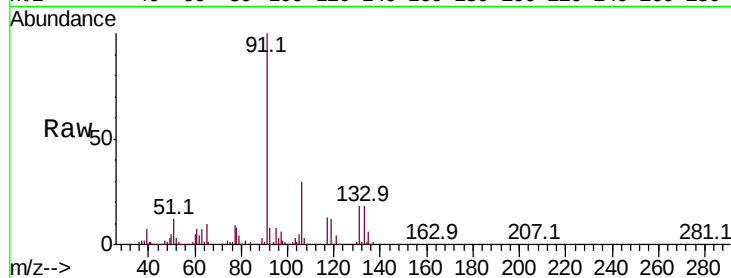
ICVVN091620

Tot Ion: 91 Resp: 942087

Ion Ratio Lower Upper

91 100

106 29.9 23.8 35.6



#68

m/p-Xylenes

Concen: 101.737 ug/l

RT: 11.59 min Scan# 3065

Delta R.T. -0.00 min

Lab File: VN063363.D

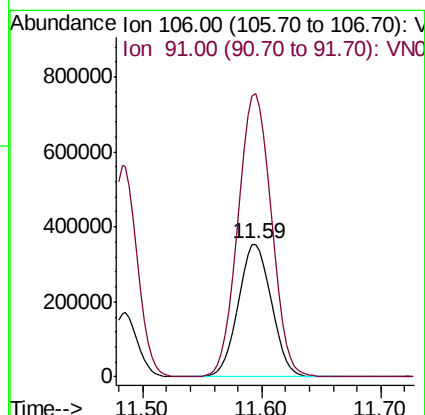
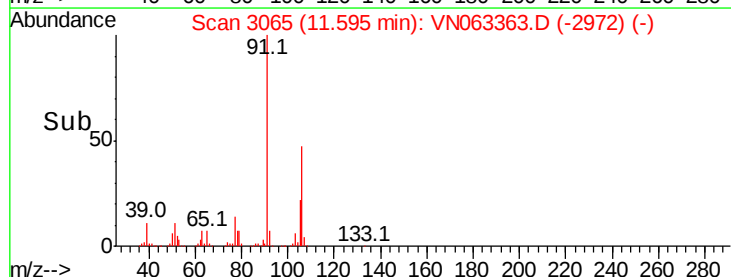
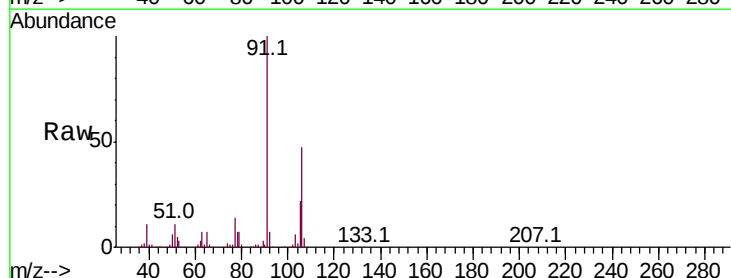
Acq: 16 Sep 2020 13:31

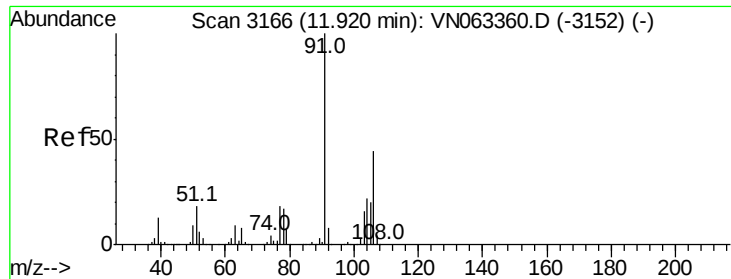
Tgt Ion: 106 Resp: 682504

Ion Ratio Lower Upper

106 100

91 215.6 171.2 256.8

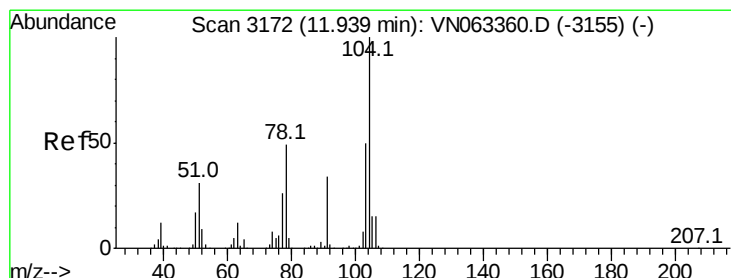
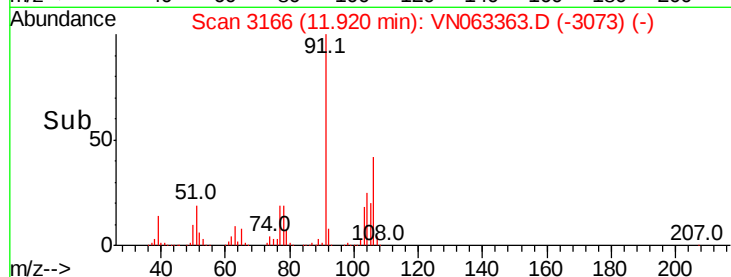
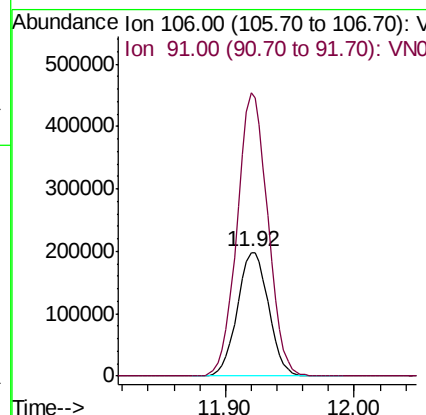
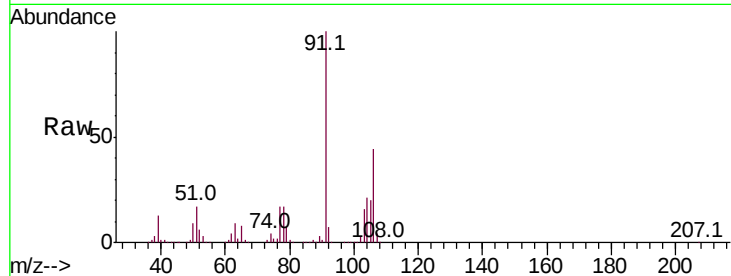




#69
o-Xylene
Concen: 52.247 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN063363.D
Acq: 16 Sep 2020 13:31

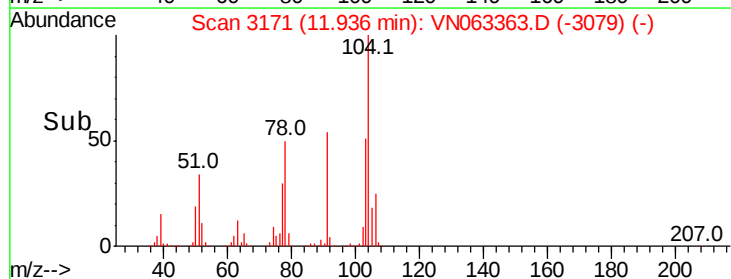
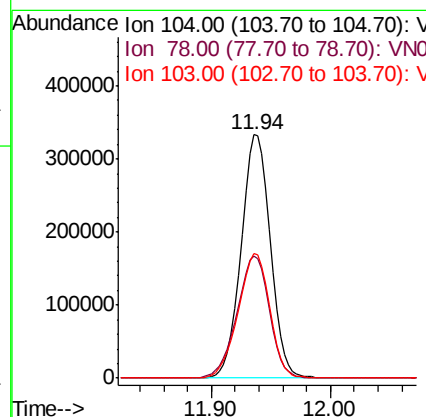
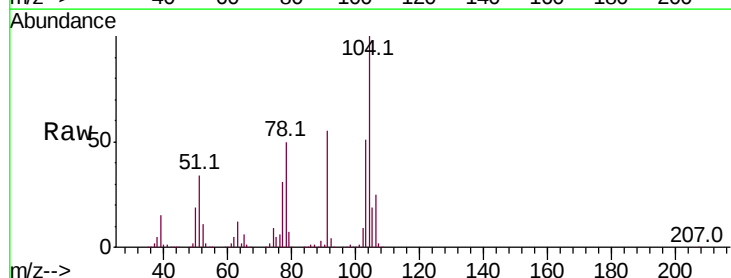
Instrument :
MSVOA_N
ClientSampled :
ICVVN091620

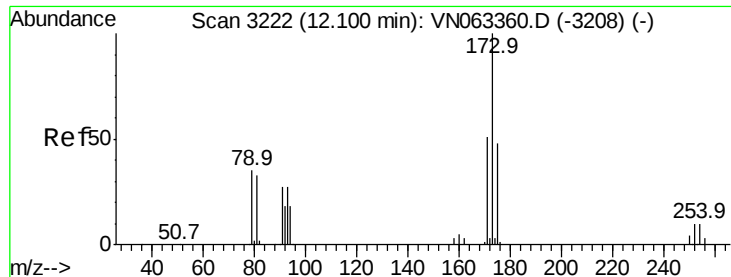
Tot Ion:106 Resp: 333885
Ion Ratio Lower Upper
106 100
91 224.5 113.6 340.8



#70
Styrene
Concen: 52.842 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN063363.D
Acq: 16 Sep 2020 13:31

Tgt Ion:104 Resp: 566301
Ion Ratio Lower Upper
104 100
78 55.8 44.4 66.6
103 55.5 43.7 65.5





#71

Bromoform

Concen: 51.160 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN063363.D

Acq: 16 Sep 2020 13:31

Instrument :

MSVOA_N

ClientSampleId :

ICVVN091620

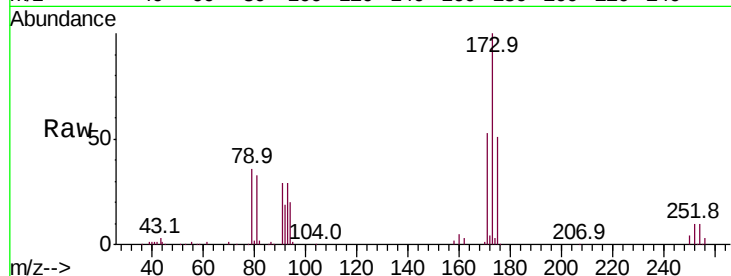
Tot Ion:173 Resp: 138034

Ion Ratio Lower Upper

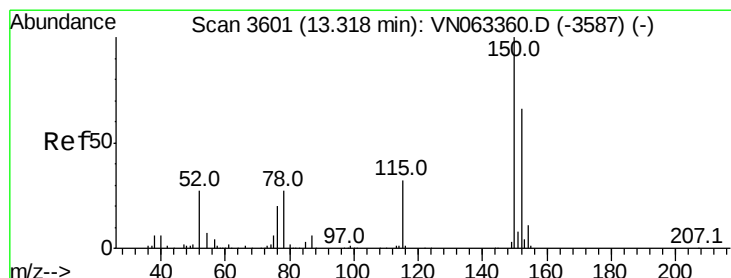
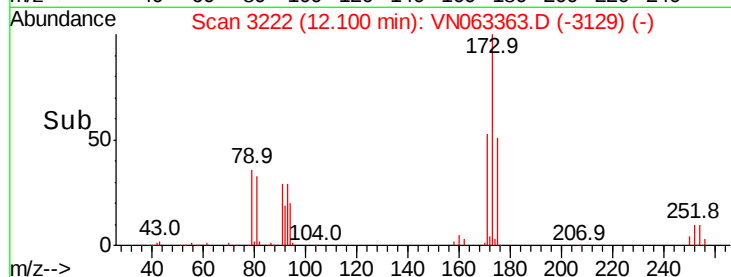
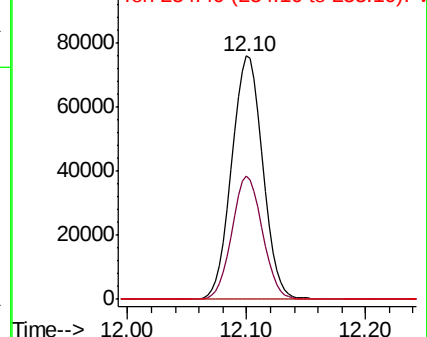
173 100

175 49.6 24.0 72.0

254 0.2 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: VN063363.D

Acq: 16 Sep 2020 13:31

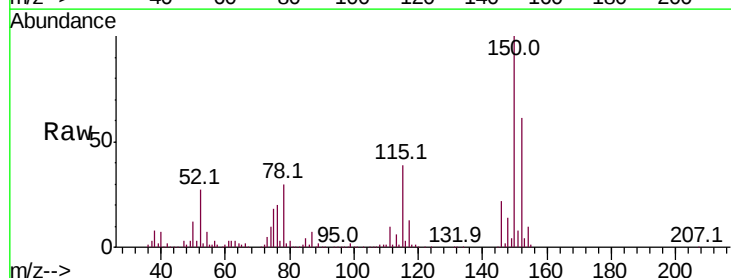
Tgt Ion:152 Resp: 221830

Ion Ratio Lower Upper

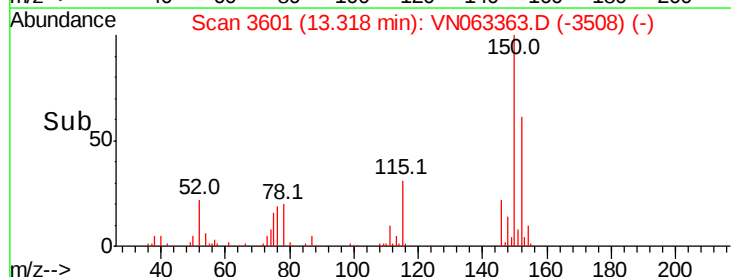
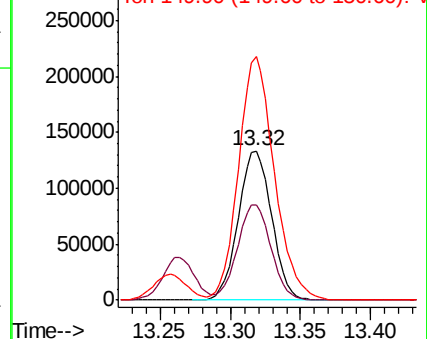
152 100

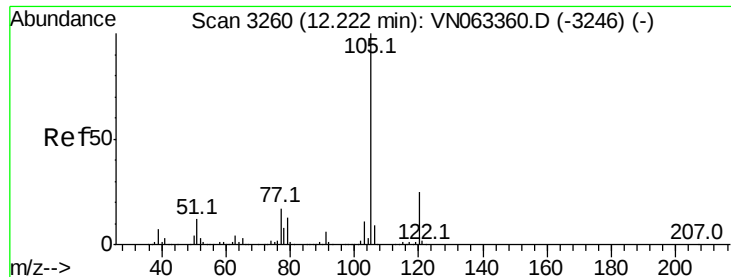
115 64.3 32.2 96.6

150 174.5 0.0 343.4



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





#73

Isopropylbenzene

Concen: 50.510 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN063363.D

Acq: 16 Sep 2020 13:31

Instrument :

MSVOA_N

ClientSampleId :

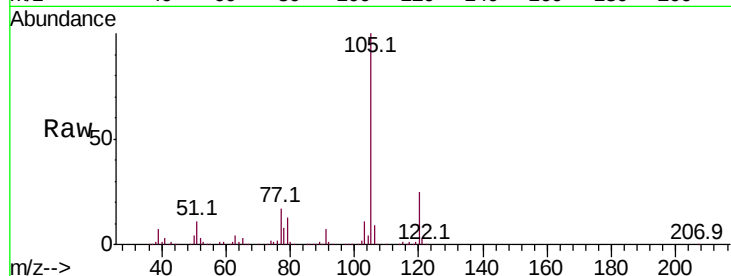
ICVVN091620

Tot Ion:105 Resp: 897868

Ion Ratio Lower Upper

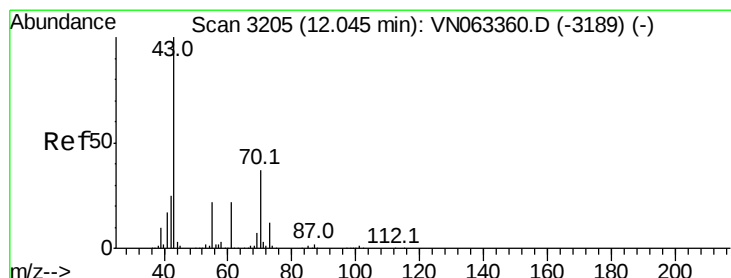
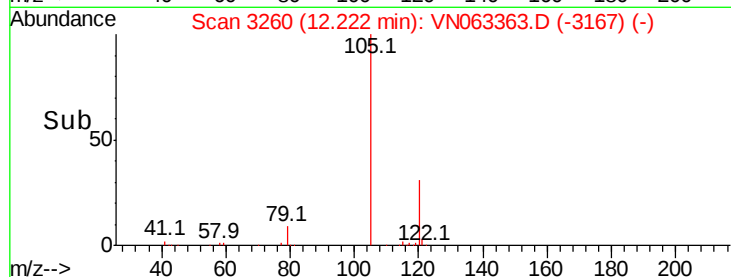
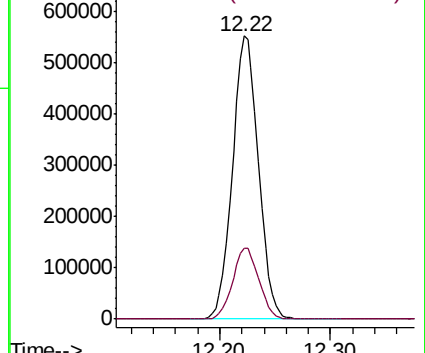
105 100

120 25.4 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.511 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. -0.00 min

Lab File: VN063363.D

Acq: 16 Sep 2020 13:31

Tgt Ion: 43 Resp: 425034

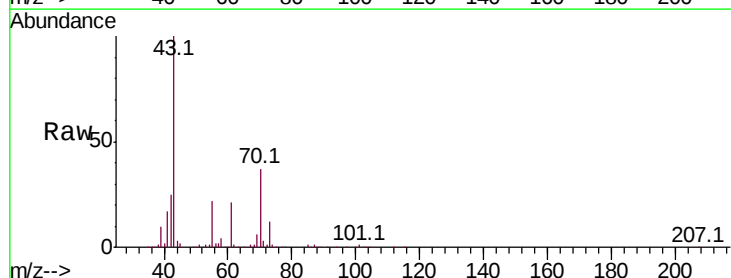
Ion Ratio Lower Upper

43 100

70 37.2 29.6 44.4

55 22.3 17.7 26.5

61 21.3 17.4 26.2

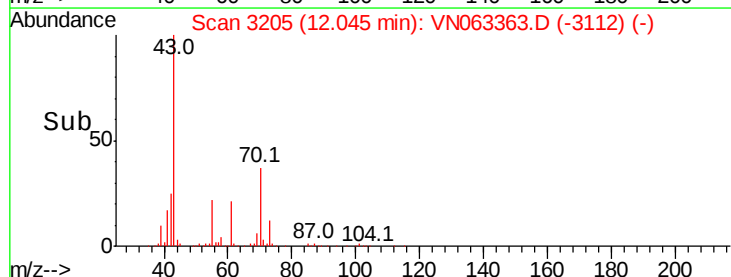
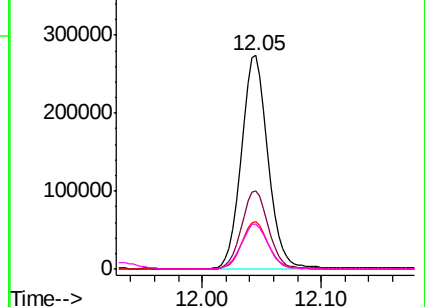


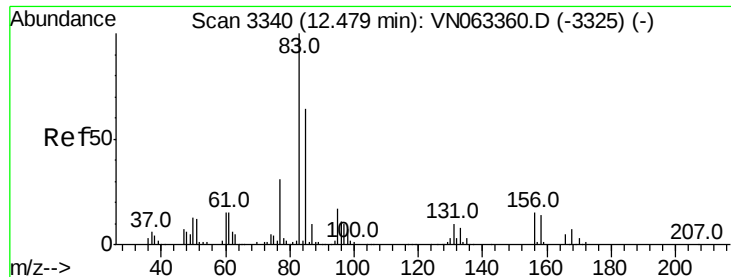
Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 49.116 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. -0.00 min

Lab File: VN063363.D

Acq: 16 Sep 2020 13:31

Instrument :

MSVOA_N

ClientSampleId :

ICVVN091620

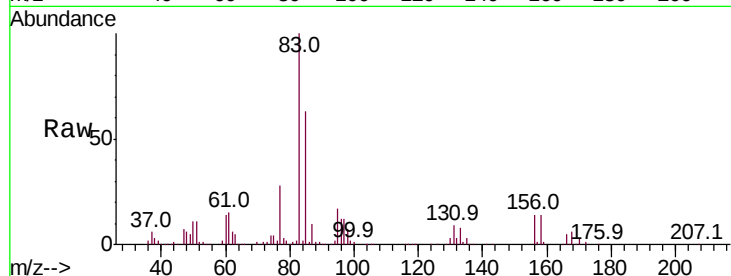
Tot Ion: 83 Resp: 270339

Ion Ratio Lower Upper

83 100

131 9.6 4.9 14.7

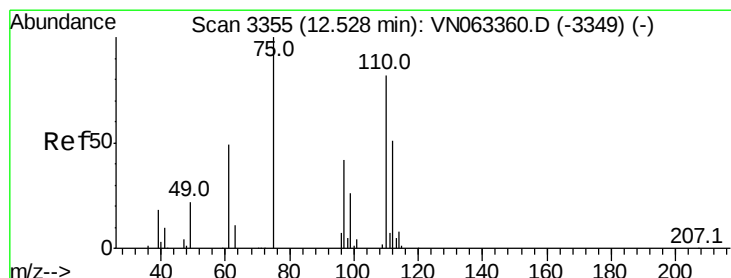
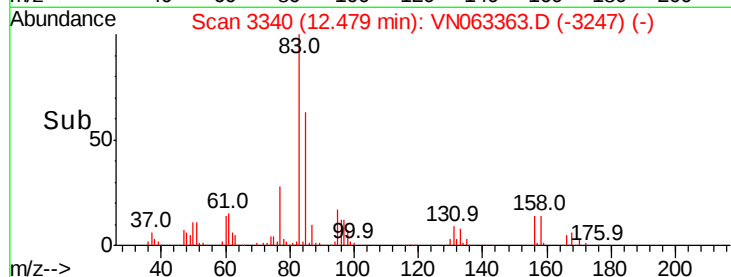
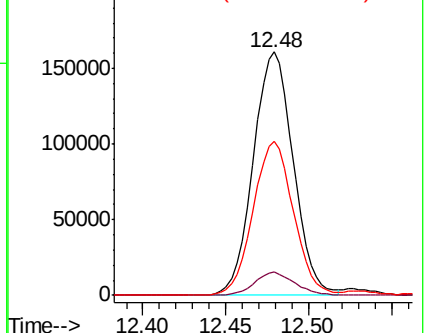
85 63.6 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VN063363.D (-3247) (-)

Ion 130.80 (130.50 to 131.50): VN063363.D (-3247) (-)

Ion 84.90 (84.60 to 85.60): VN063363.D (-3247) (-)



#76

1,2,3-Trichloropropane

Concen: 69.005 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. -0.00 min

Lab File: VN063363.D

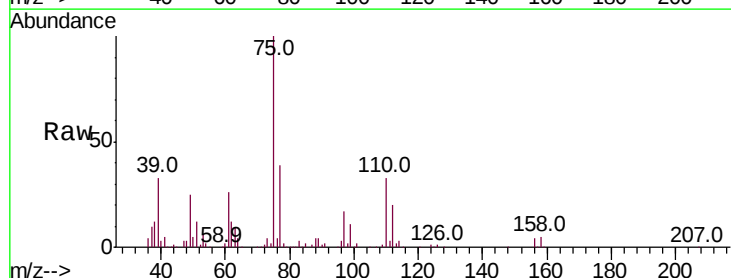
Acq: 16 Sep 2020 13:31

Tgt Ion: 75 Resp: 378878

Ion Ratio Lower Upper

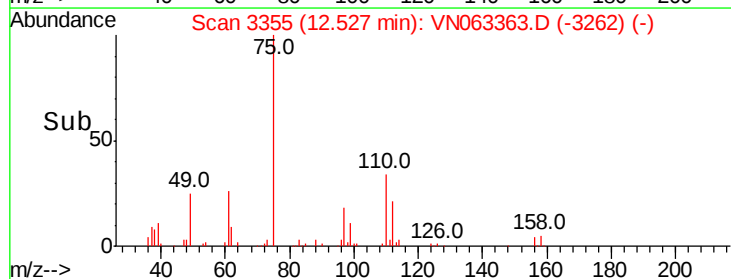
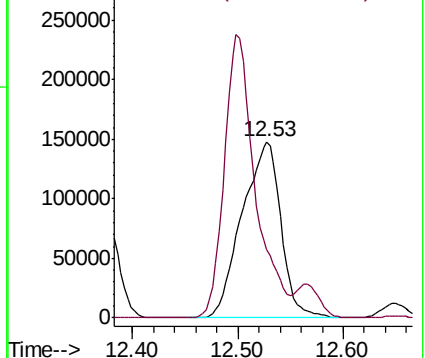
75 100

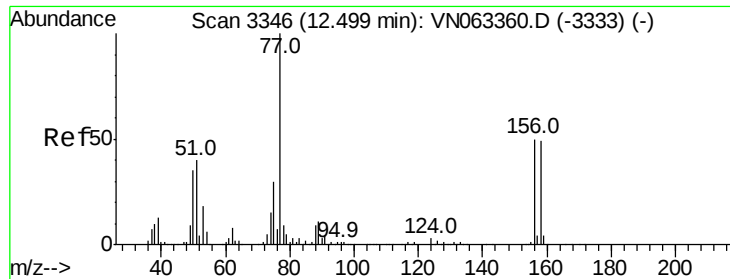
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN063363.D (-3262) (-)

Ion 77.00 (76.70 to 77.70): VN063363.D (-3262) (-)





#77

Bromobenzene

Concen: 50.466 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN063363.D

Acq: 16 Sep 2020 13:31

Instrument :

MSVOA_N

ClientSampleId :

ICVVN091620

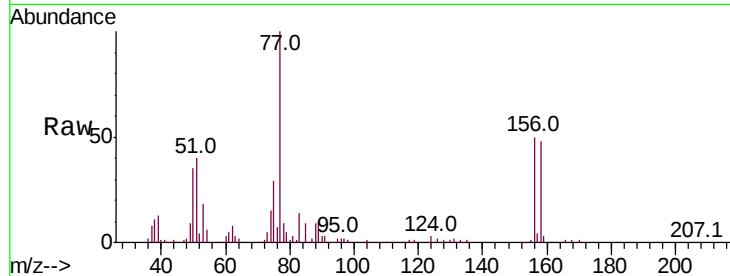
Tot Ion:156 Resp: 201797

Ion Ratio Lower Upper

156 100

77 239.5 120.2 360.6

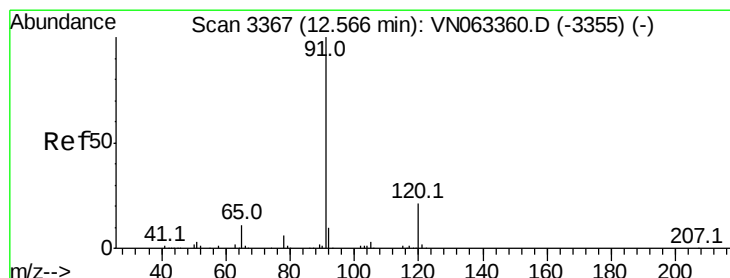
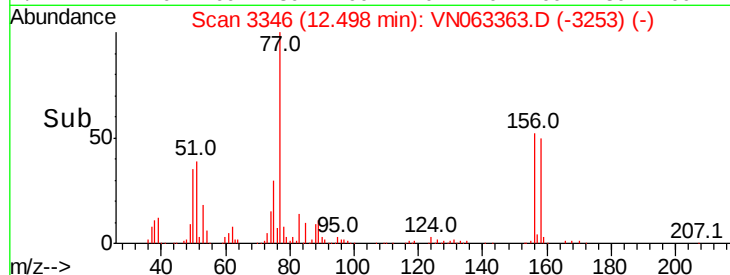
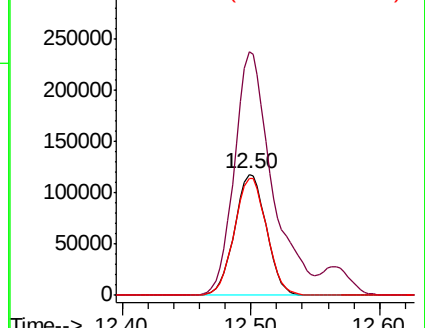
158 99.2 48.9 146.6



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: 51.255 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN063363.D

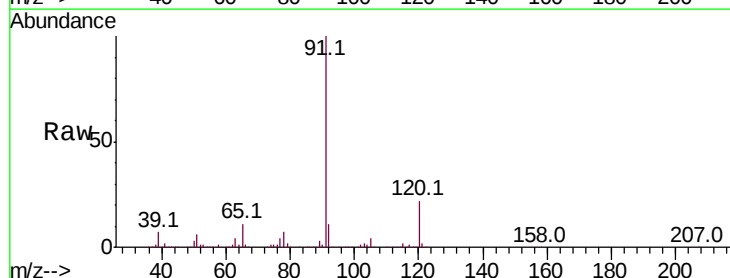
Acq: 16 Sep 2020 13:31

Tgt Ion: 91 Resp: 1061194

Ion Ratio Lower Upper

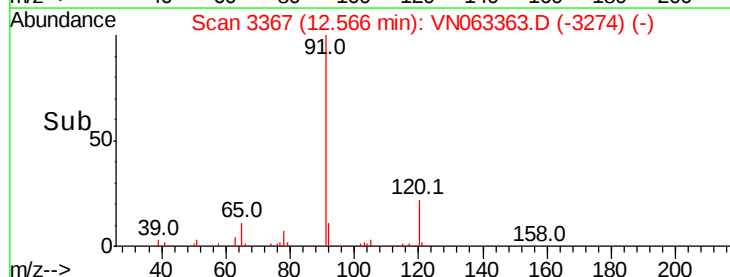
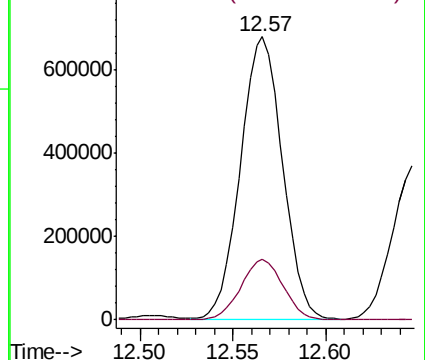
91 100

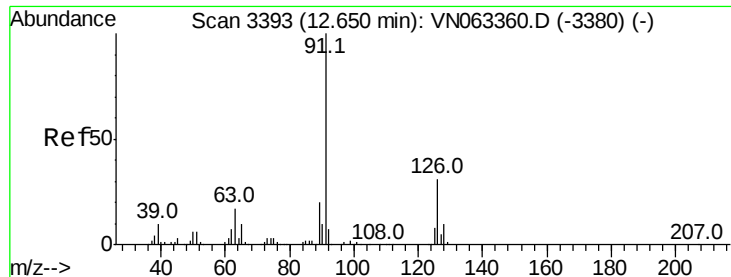
120 21.7 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

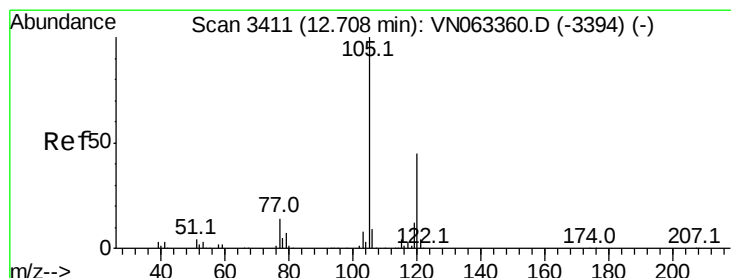
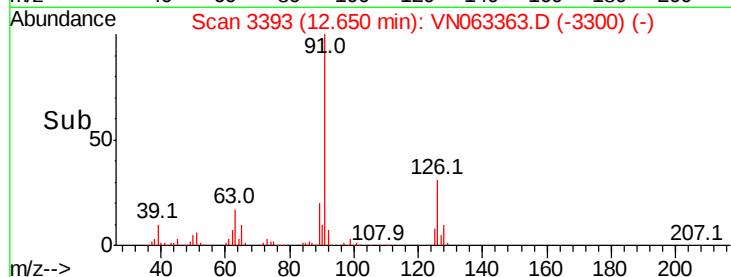
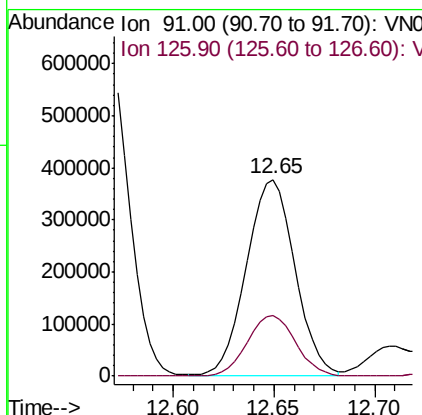
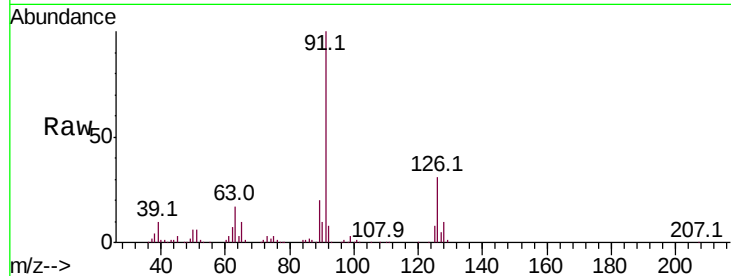




#79
 2-Chlorotoluene
 Concen: 50.766 ug/l
 RT: 12.65 min Scan# 3393
 Delta R.T. -0.00 min
 Lab File: VN063363.D
 Acq: 16 Sep 2020 13:31

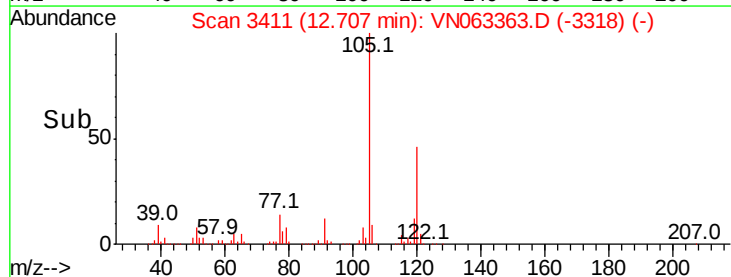
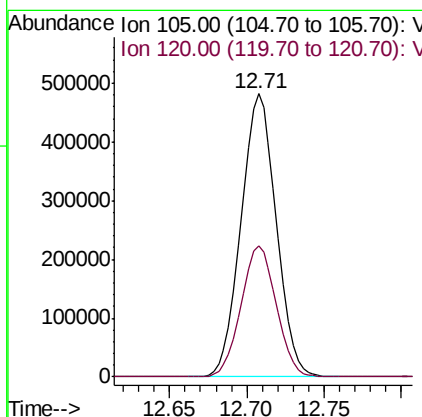
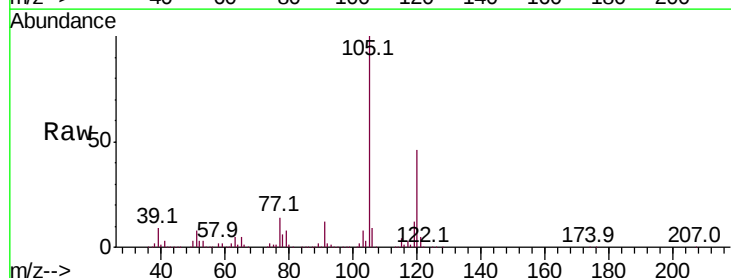
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN091620

Tot Ion: 91 Resp: 630070
 Ion Ratio Lower Upper
 91 100
 126 31.3 15.8 47.3



#80
 1,3,5-Trimethylbenzene
 Concen: 51.338 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. -0.00 min
 Lab File: VN063363.D
 Acq: 16 Sep 2020 13:31

Tgt Ion: 105 Resp: 760988
 Ion Ratio Lower Upper
 105 100
 120 46.6 22.9 68.8





#81

trans-1,4-Dichloro-2-butene

Concen: 48.297 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN063363.D

Acq: 16 Sep 2020 13:31

Instrument :

MSVOA_N

ClientSampleId :

ICVVN091620

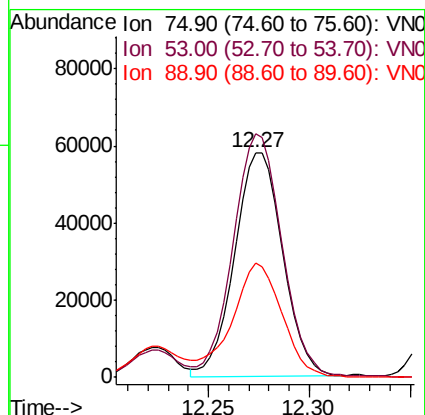
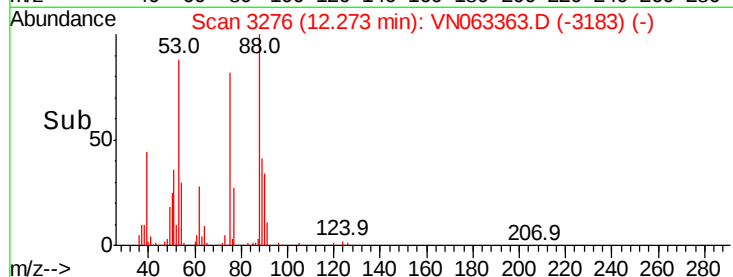
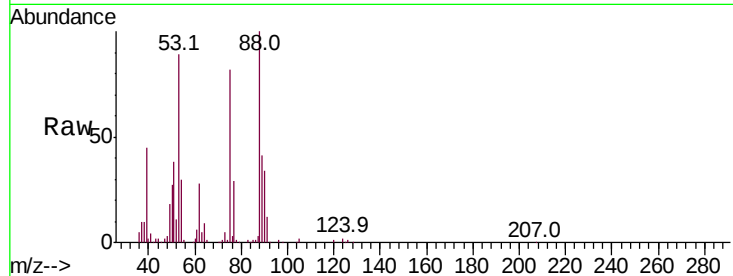
Tot Ion: 75 Resp: 96723

Ion Ratio Lower Upper

75 100

53 110.5 85.7 128.5

89 53.0 38.0 57.0



#82

4-Chlorotoluene

Concen: 50.865 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. -0.00 min

Lab File: VN063363.D

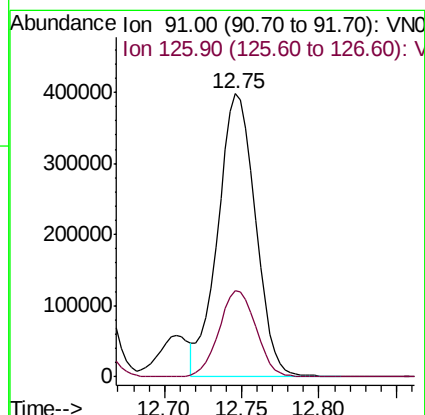
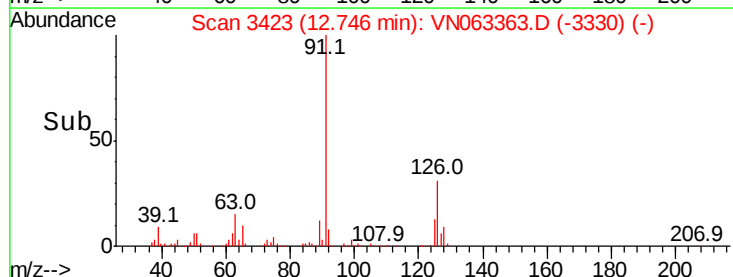
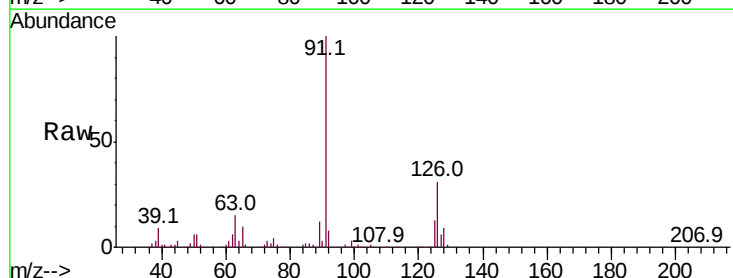
Acq: 16 Sep 2020 13:31

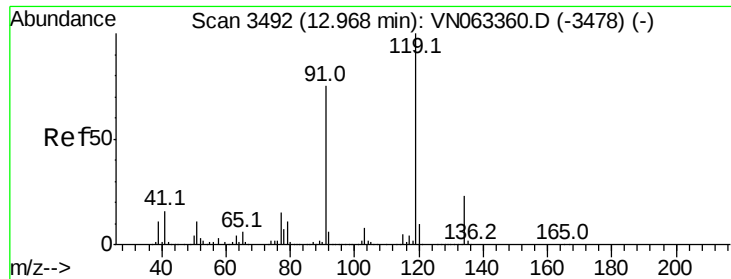
Tgt Ion: 91 Resp: 667016

Ion Ratio Lower Upper

91 100

126 30.2 15.5 46.5

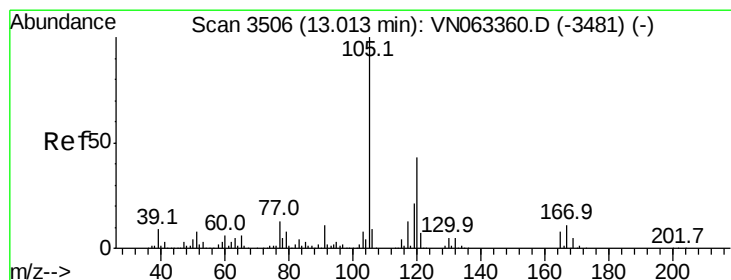
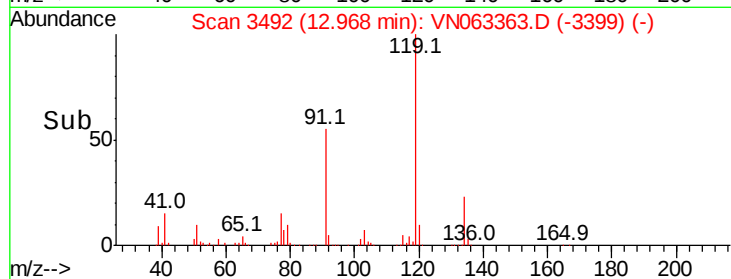
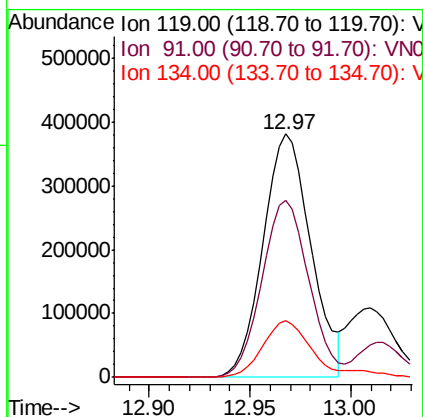
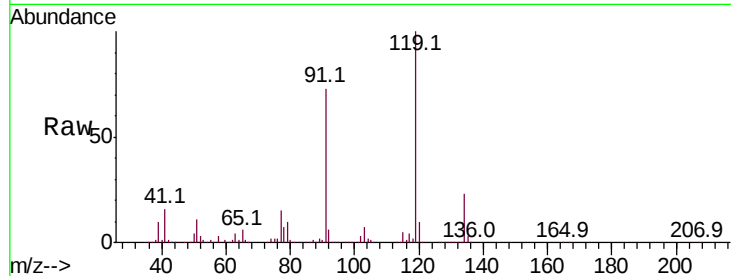




#83
tert-Butylbenzene
Concen: 51.409 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN063363.D
Acq: 16 Sep 2020 13:31

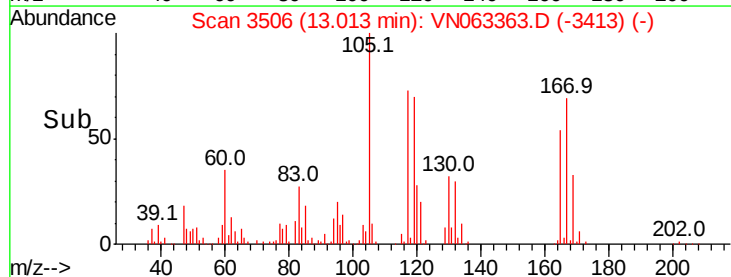
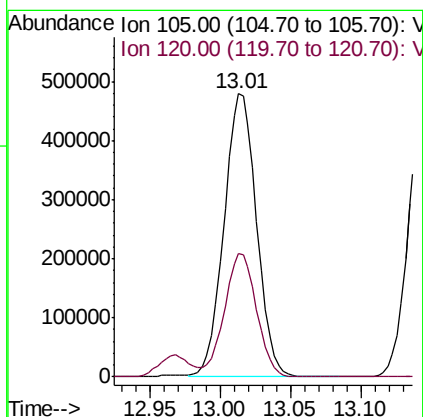
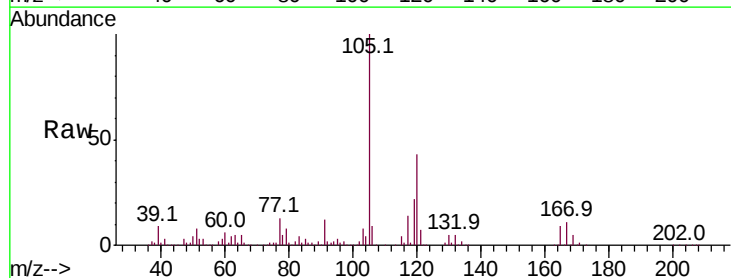
Instrument :
MSVOA_N
ClientSampled :
ICVVN091620

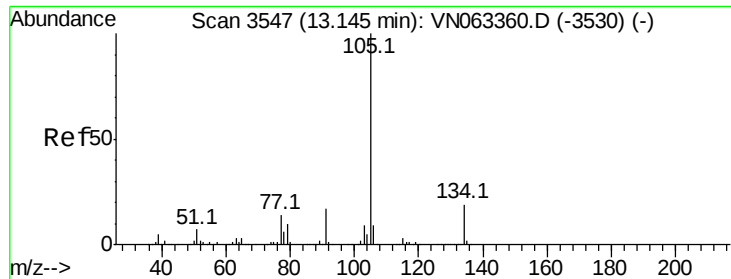
Tot Ion:119 Resp: 628937
Ion Ratio Lower Upper
119 100
91 71.7 36.3 108.9
134 24.8 12.3 36.8



#84
1,2,4-Trimethylbenzene
Concen: 51.207 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN063363.D
Acq: 16 Sep 2020 13:31

Tgt Ion:105 Resp: 766704
Ion Ratio Lower Upper
105 100
120 43.6 21.3 63.9

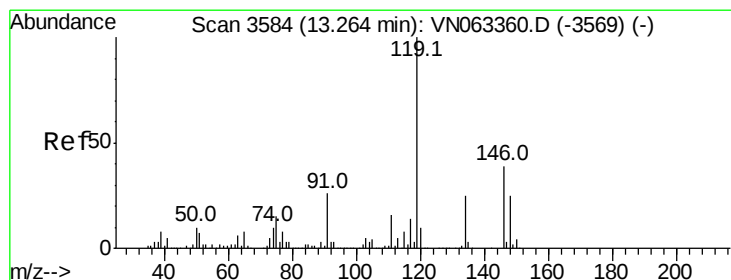
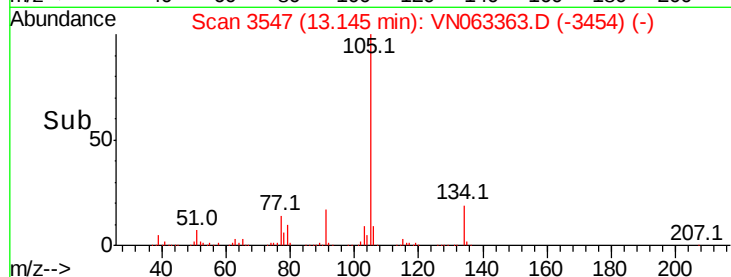
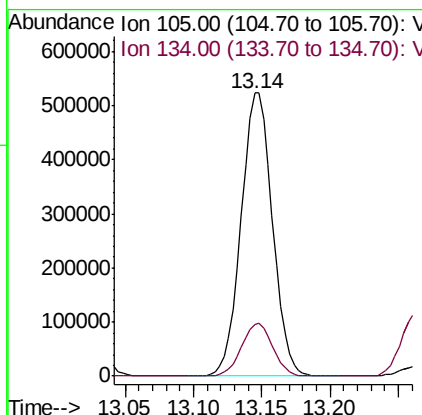
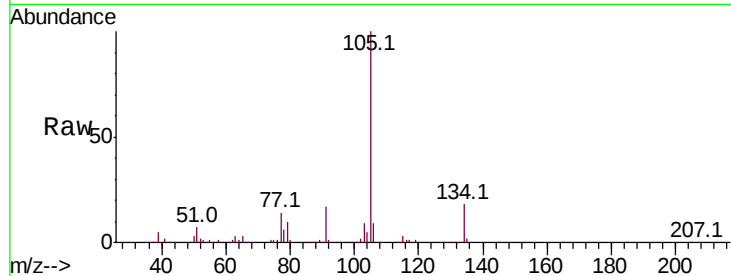




#85
 sec-Butylbenzene
 Concen: 50.812 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN063363.D
 Acq: 16 Sep 2020 13:31

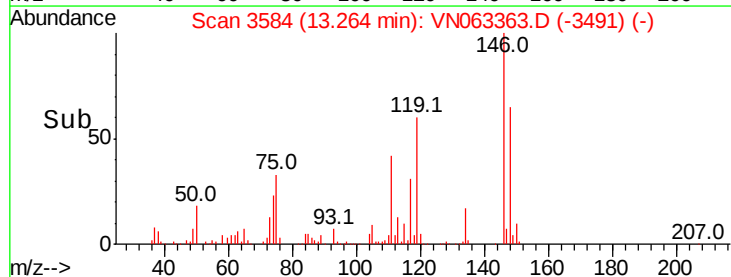
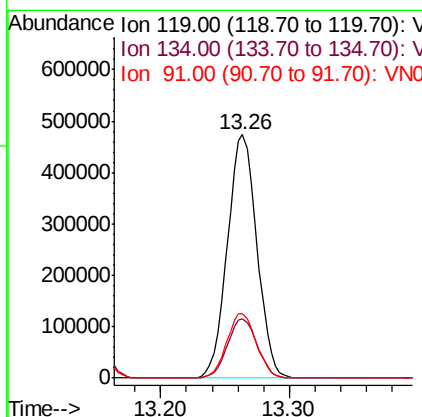
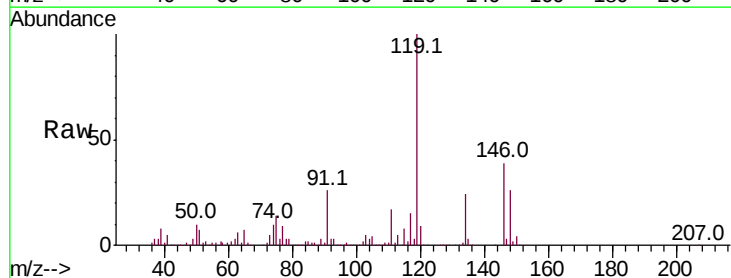
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN091620

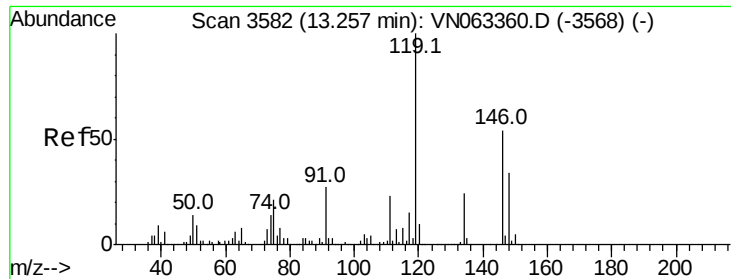
Tot Ion:105 Resp: 832098
 Ion Ratio Lower Upper
 105 100
 134 18.7 9.3 27.7



#86
 p-Isopropyltoluene
 Concen: 51.741 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. -0.00 min
 Lab File: VN063363.D
 Acq: 16 Sep 2020 13:31

Tgt Ion:119 Resp: 747344
 Ion Ratio Lower Upper
 119 100
 134 24.7 12.5 37.5
 91 26.5 13.4 40.1

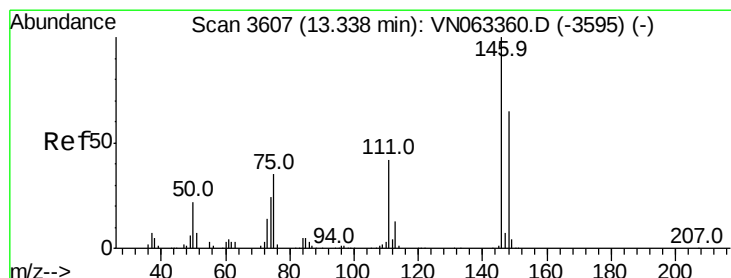
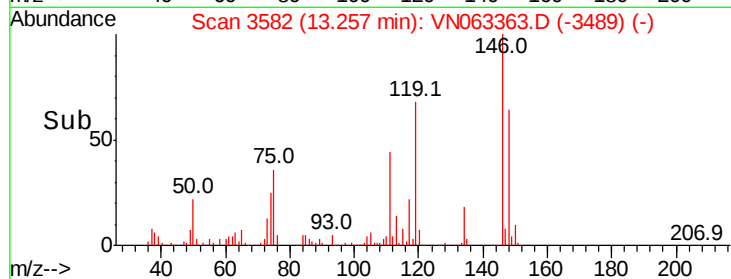
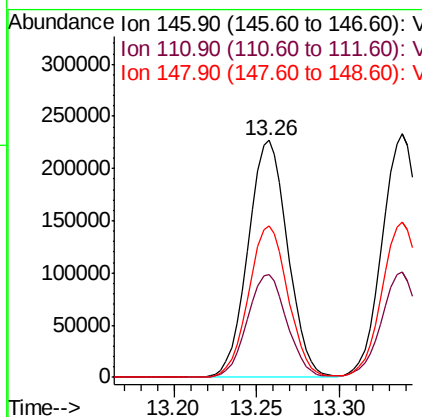
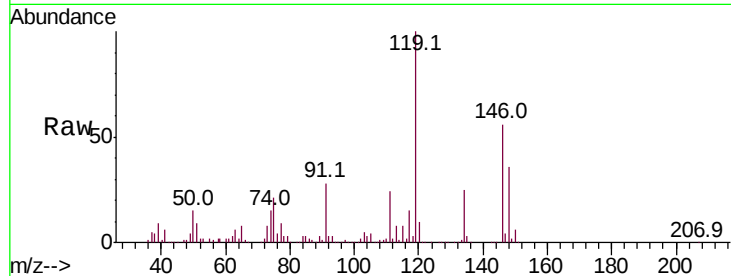




#87
 1,3-Dichlorobenzene
 Concen: 50.916 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN063363.D
 Acq: 16 Sep 2020 13:31

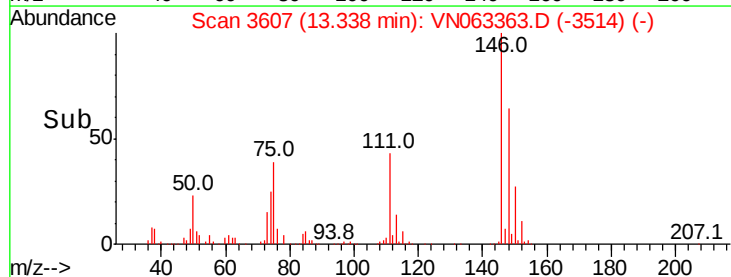
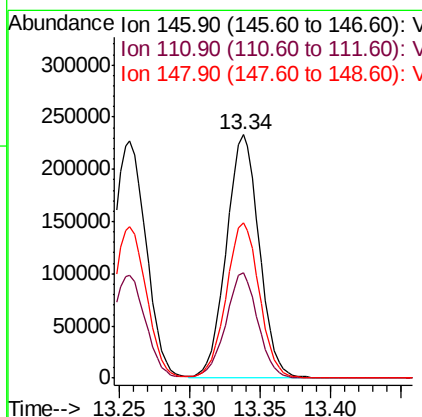
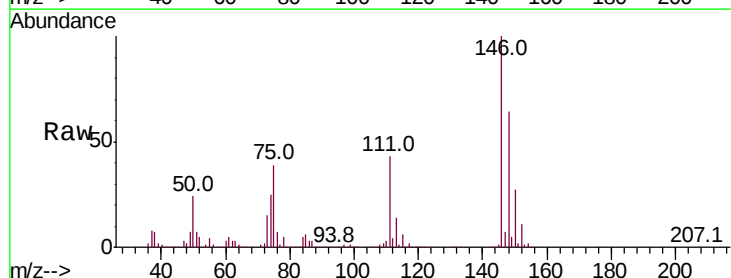
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN091620

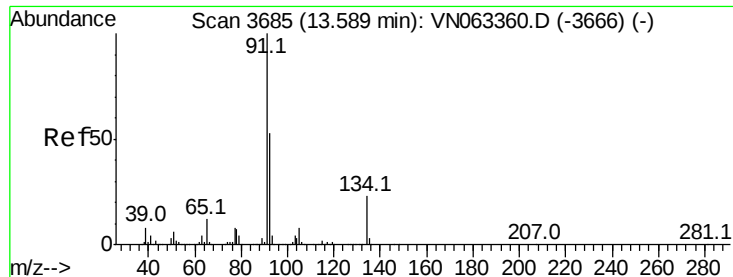
Tot Ion:146 Resp: 377358
 Ion Ratio Lower Upper
 146 100
 111 43.3 21.4 64.3
 148 63.5 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 50.361 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN063363.D
 Acq: 16 Sep 2020 13:31

Tgt Ion:146 Resp: 379476
 Ion Ratio Lower Upper
 146 100
 111 42.3 21.2 63.6
 148 64.4 31.9 95.9

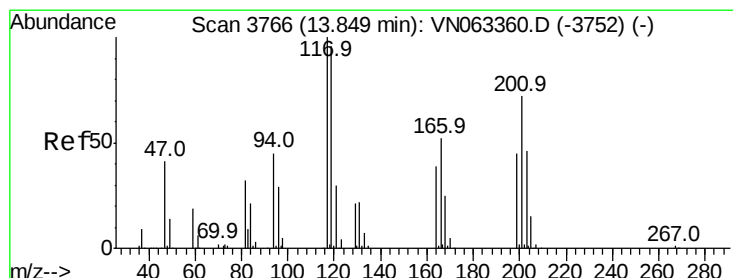
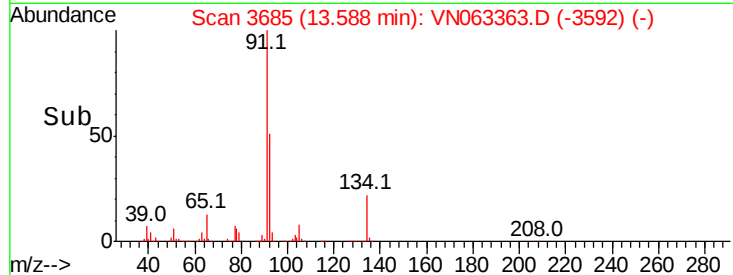
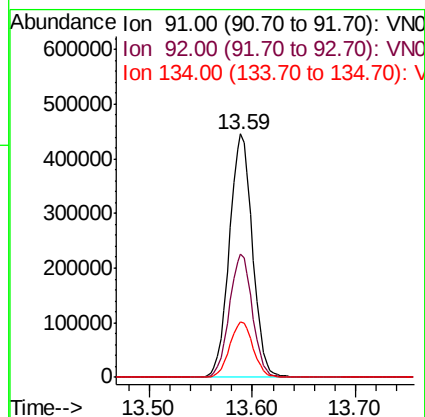
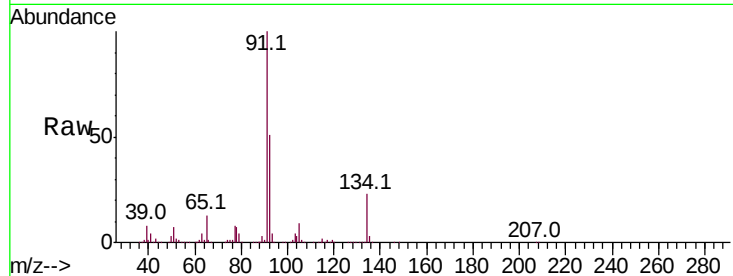




#89
n-Butylbenzene
Concen: 52.228 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN063363.D
Acq: 16 Sep 2020 13:31

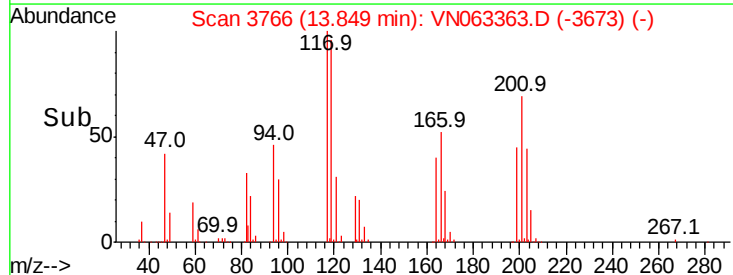
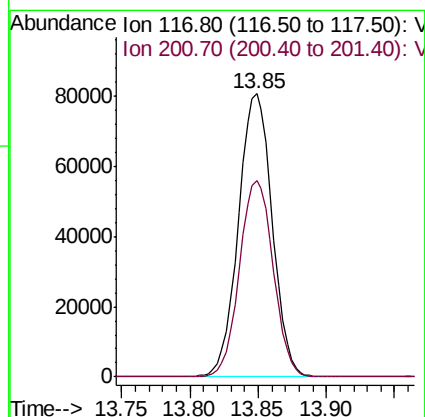
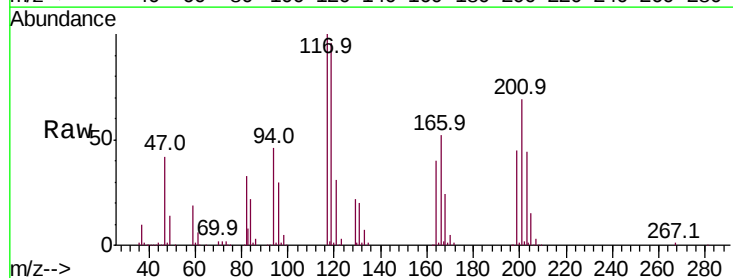
Instrument :
MSVOA_N
ClientSampleId :
ICVVN091620

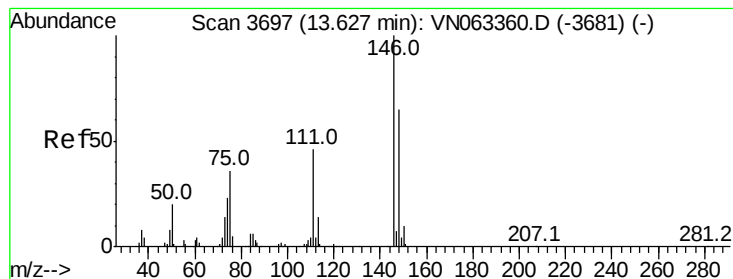
Tot Ion	Ratio	Lower	Upper
91	100		
92	50.5	26.0	78.0
134	23.1	11.7	35.0



#90
Hexachloroethane
Concen: 50.549 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN063363.D
Acq: 16 Sep 2020 13:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.1	35.5	106.7





#91

1,2-Dichlorobenzene

Concen: 51.211 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN063363.D

Acq: 16 Sep 2020 13:31

Instrument :

MSVOA_N

ClientSampleId :

ICVVN091620

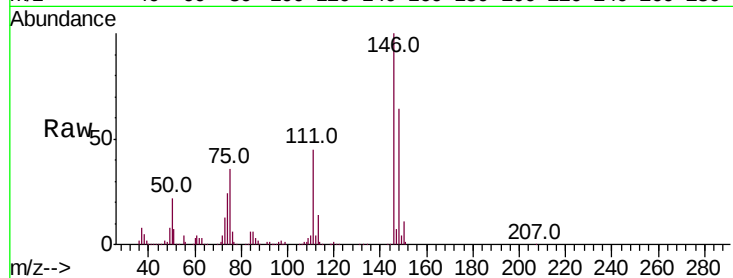
Tot Ion:146 Resp: 372626

Ion Ratio Lower Upper

146 100

111 44.4 22.4 67.2

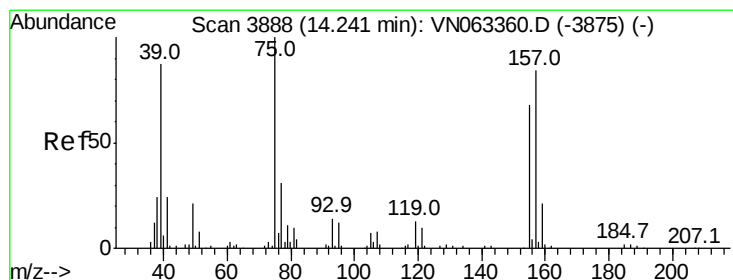
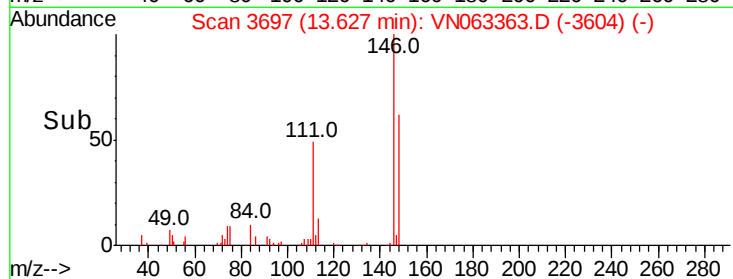
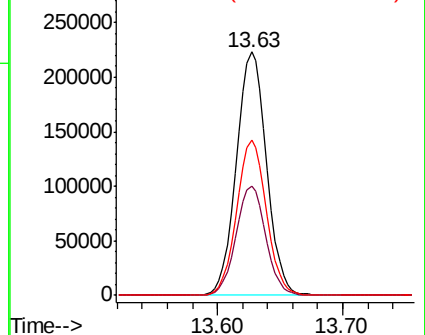
148 63.0 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.941 ug/l

RT: 14.24 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN063363.D

Acq: 16 Sep 2020 13:31

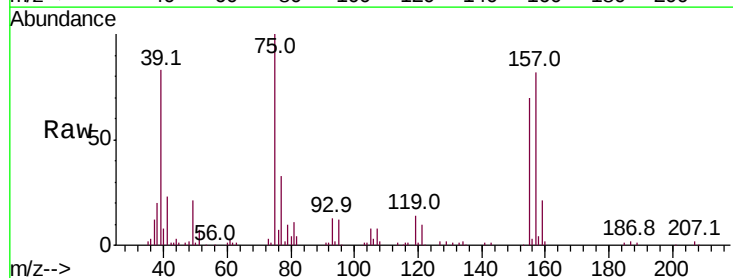
Tgt Ion: 75 Resp: 62834

Ion Ratio Lower Upper

75 100

155 68.8 34.6 103.9

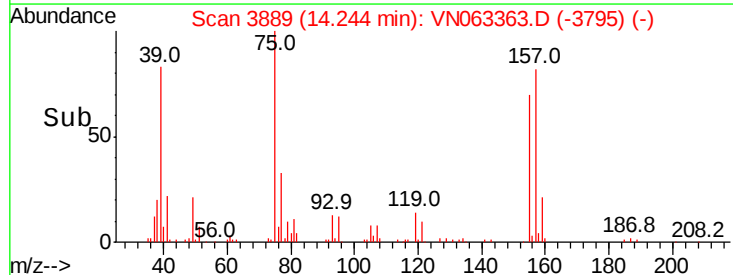
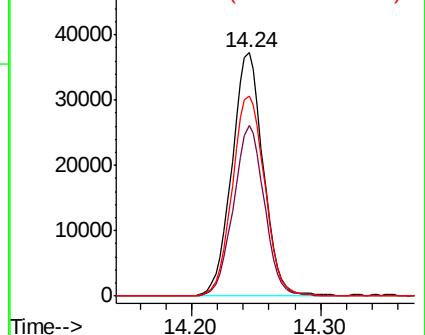
157 84.9 43.7 131.1

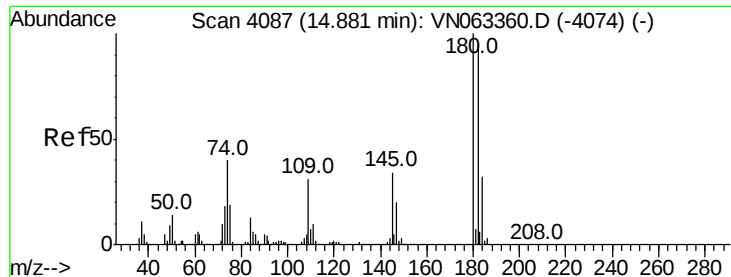


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

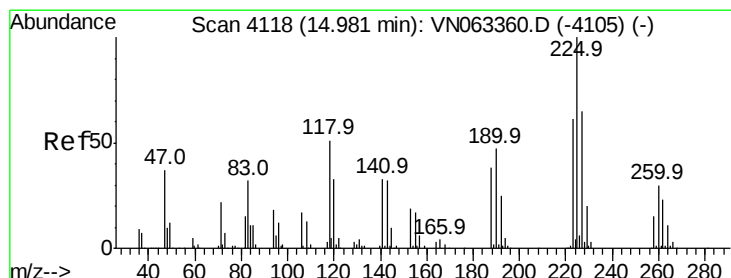
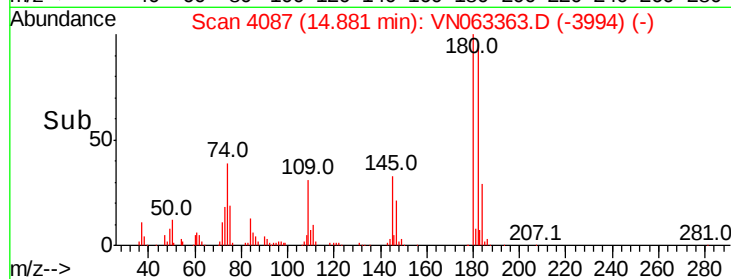
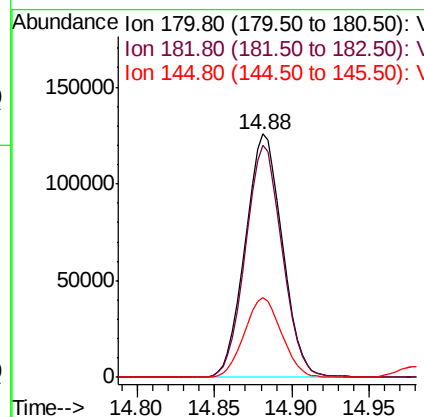
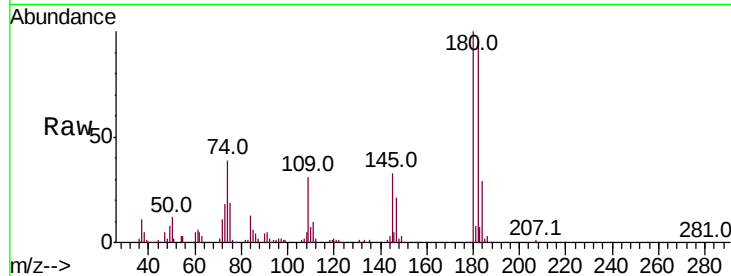




#93
 1,2,4-Trichlorobenzene
 Concen: 49.029 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN063363.D
 Acq: 16 Sep 2020 13:31

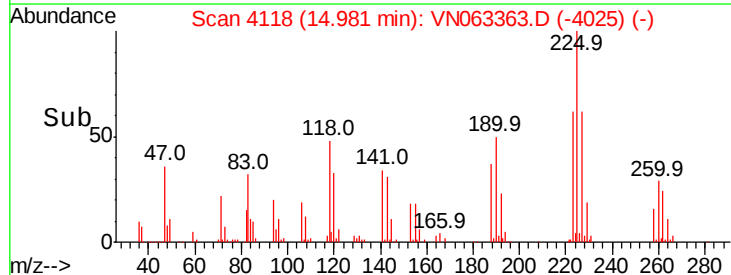
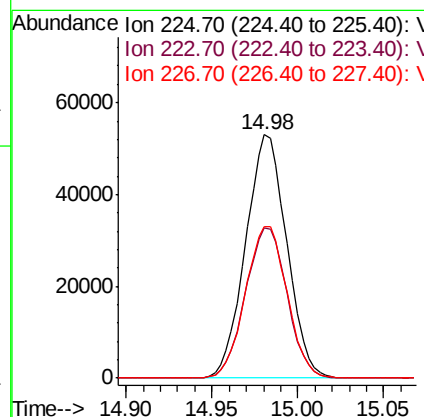
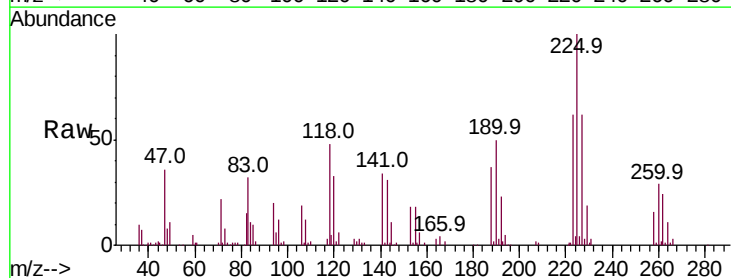
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN091620

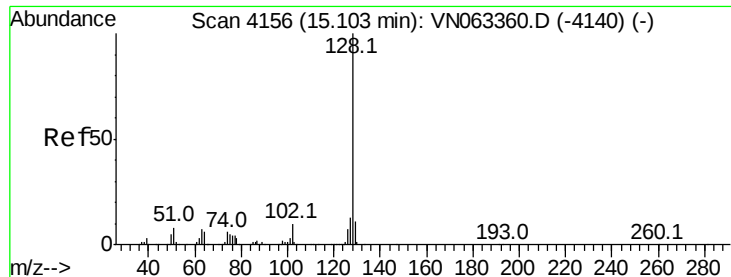
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.3	142.0
145	32.9	16.6	49.7



#94
 Hexachlorobutadiene
 Concen: 49.445 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN063363.D
 Acq: 16 Sep 2020 13:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	30.6	91.6
227	63.1	31.2	93.6





#95

Naphthalene

Concen: 48.729 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN063363.D

Acq: 16 Sep 2020 13:31

Instrument :

MSVOA_N

ClientSampleId :

ICVVN091620

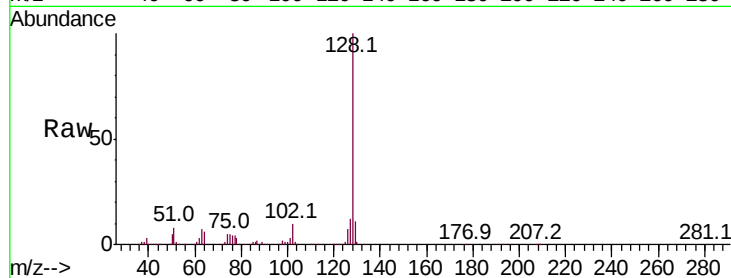
Tot Ion:128 Resp: 690589

Ion Ratio Lower Upper

128 100

127 12.8 10.6 15.8

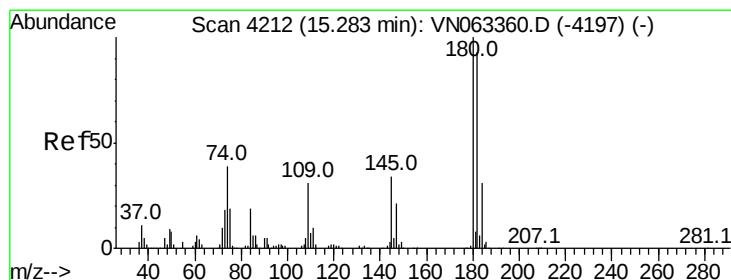
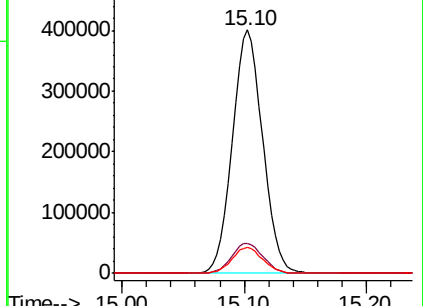
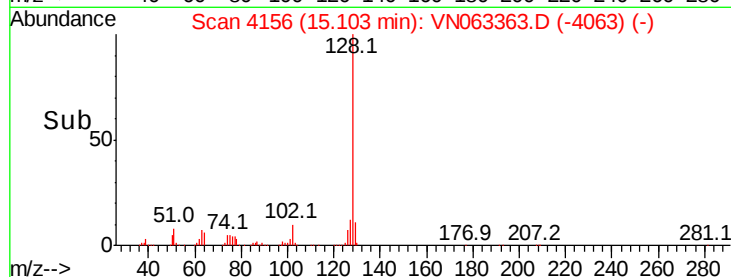
129 10.7 8.8 13.2



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



#96

1,2,3-Trichlorobenzene

Concen: 47.133 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN063363.D

Acq: 16 Sep 2020 13:31

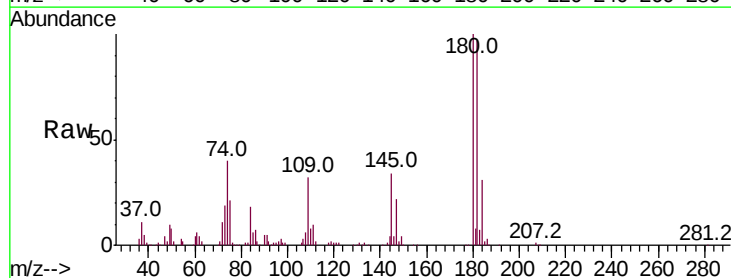
Tgt Ion:180 Resp: 195354

Ion Ratio Lower Upper

180 100

182 94.8 46.7 140.1

145 34.8 16.8 50.3



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

