

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092820\
 Data File : VN063698.D
 Acq On : 28 Sep 2020 11:59
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 29 00:38:23 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	7.62	168	234894	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	389995	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	371563	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	185801	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.98	65	214800	53.72	ug/l	0.00
Spiked Amount			Recovery	=	107.44%	
35) Dibromofluoromethane	7.55	113	149743	55.46	ug/l	0.00
Spiked Amount			Recovery	=	110.92%	
50) Toluene-d8	10.06	98	539091	53.10	ug/l	0.00
Spiked Amount			Recovery	=	106.20%	
62) 4-Bromofluorobenzene	12.38	95	209240	56.22	ug/l	0.00
Spiked Amount			Recovery	=	112.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	113876	42.792	ug/l	98
3) Chloromethane	2.04	50	144535	41.056	ug/l	97
4) Vinyl Chloride	2.16	62	142385	45.651	ug/l	97
5) Bromomethane	2.52	94	96100	51.893	ug/l	100
6) Chloroethane	2.67	64	91900	48.000	ug/l	97
7) Trichlorofluoromethane	2.98	101	232622	49.988	ug/l	98
8) Diethyl Ether	3.37	74	86611	47.744	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	127454	48.701	ug/l	99
10) Methyl Iodide	3.91	142	161092	47.279	ug/l	97
11) Tert butyl alcohol	4.73	59	125171	225.967	ug/l	97
12) 1,1-Dichloroethene	3.69	96	120112	45.313	ug/l	98
13) Acrolein	3.57	56	47247	230.158	ug/l	99
14) Allyl chloride	4.27	41	238216	45.433	ug/l	95
15) Acrylonitrile	4.93	53	345503	245.206	ug/l	99
16) Acetone	3.77	43	325488	253.287	ug/l	100
17) Carbon Disulfide	4.01	76	313246	40.626	ug/l	99
18) Methyl Acetate	4.27	43	178679	54.771	ug/l	99
19) Methyl tert-butyl Ether	4.98	73	483022	48.892	ug/l	99
20) Methylene Chloride	4.50	84	152889	46.958	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	134038	45.640	ug/l	93
22) Diisopropyl ether	5.90	45	517876	48.429	ug/l	99
23) Vinyl Acetate	5.84	43	2151734	245.010	ug/l	99
24) 1,1-Dichloroethane	5.79	63	279678	47.905	ug/l	99
25) 2-Butanone	6.78	43	485853	245.829	ug/l	98
26) 2,2-Dichloropropane	6.77	77	232995	45.328	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	163696	49.245	ug/l	98
28) Bromochloromethane	7.15	49	134263	49.807	ug/l	97
29) Tetrahydrofuran	7.16	42	315653	233.847	ug/l	100
30) Chloroform	7.32	83	293847	50.167	ug/l	100
31) Cyclohexane	7.61	56	215633	39.047	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	260540	50.010	ug/l	99
36) 1,1-Dichloropropene	7.75	75	202374	48.708	ug/l	100
37) Ethyl Acetate	6.88	43	206018	50.522	ug/l	100
38) Carbon Tetrachloride	7.73	117	221308	52.180	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	194331	43.095	ug/l	98
40) Benzene	8.00	78	590261	49.767	ug/l	99
41) Methacrylonitrile	7.16	41	313766	171.079	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	262516	55.038	ug/l	99
43) Isopropyl Acetate	8.12	43	363341	49.831	ug/l	99
44) Trichloroethene	8.80	130	145758	50.668	ug/l	98
45) 1,2-Dichloropropane	9.08	63	167204	51.761	ug/l	95
46) Dibromomethane	9.17	93	114249	53.811	ug/l	98
47) Bromodichloromethane	9.37	83	242323	54.939	ug/l	99
48) Methyl methacrylate	9.16	41	178702	49.884	ug/l	97
49) 1,4-Dioxane	9.16	88	51769	1006.997	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	1096063	268.508	ug/l	98
52) Toluene	10.12	92	378122	53.025	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	262300	53.268	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	271440	52.261	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	159599	56.346	ug/l	98
56) Ethyl methacrylate	10.40	69	232534	52.588	ug/l	98
57) 1,3-Dichloropropane	10.68	76	267235	52.318	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	589914	254.319	ug/l	97
59) 2-Hexanone	10.72	43	804014	271.871	ug/l	99
60) Dibromochloromethane	10.87	129	183342	57.296	ug/l	98
61) 1,2-Dibromoethane	10.98	107	160197	54.439	ug/l	97
64) Tetrachloroethene	10.60	164	139866	55.281	ug/l	98
65) Chlorobenzene	11.41	112	396297	50.245	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.48	131	157636	54.523	ug/l	99
67) Ethyl Benzene	11.48	91	744805	50.145	ug/l	100
68) m/p-Xylenes	11.59	106	549083	102.530	ug/l	100
69) o-Xylene	11.92	106	262247	51.406	ug/l	99
70) Styrene	11.94	104	463521	54.181	ug/l	100
71) Bromoform	12.10	173	122486	56.869	ug/l #	99
73) Isopropylbenzene	12.22	105	706891	47.477	ug/l	99
74) N-amyl acetate	12.05	43	328379	46.592	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	227338	49.313	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	311794	67.799	ug/l #	100
77) Bromobenzene	12.50	156	176048	52.564	ug/l	93
78) n-propylbenzene	12.57	91	831605	47.954	ug/l	99
79) 2-Chlorotoluene	12.65	91	507636	48.833	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	612010	49.294	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	78239	46.643	ug/l	96
82) 4-Chlorotoluene	12.75	91	536698	48.864	ug/l	99
83) tert-Butylbenzene	12.97	119	485895	47.418	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	620151	49.451	ug/l	99
85) sec-Butylbenzene	13.15	105	649547	47.356	ug/l	99
86) p-Isopropyltoluene	13.26	119	593292	49.040	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	319375	51.449	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	318428	50.454	ug/l	100
89) n-Butylbenzene	13.59	91	513518	46.050	ug/l	99
90) Hexachloroethane	13.85	117	110870	48.128	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	316201	51.883	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	53645	48.866	ug/l	99

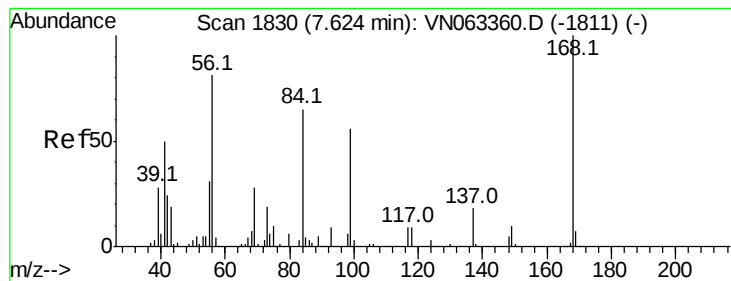
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	169328	47.128	ug/l	99
94) Hexachlorobutadiene	14.98	225	79238	53.272	ug/l	99
95) Naphthalene	15.10	128	514386	43.334	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	165364	47.634	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

Instrument :

MSVOA_N

ClientSampleId :

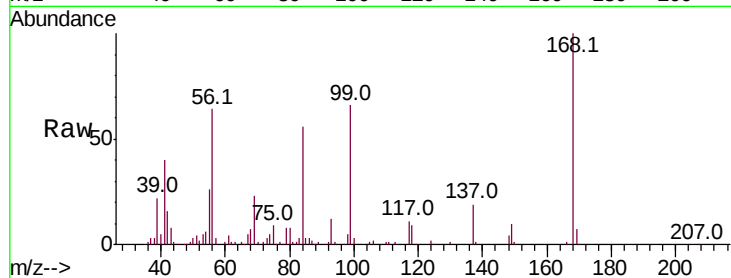
VSTDCCC050

Tot Ion:168 Resp: 234894

Ion Ratio Lower Upper

168 100

99 65.6 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

100000

80000

60000

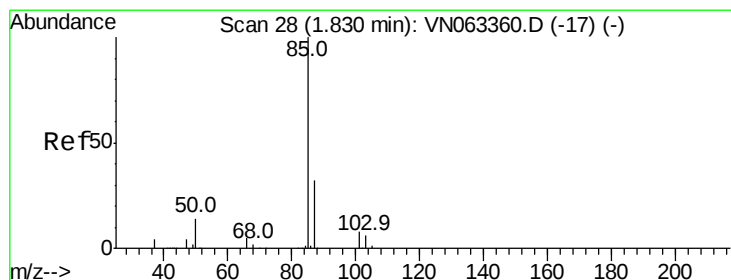
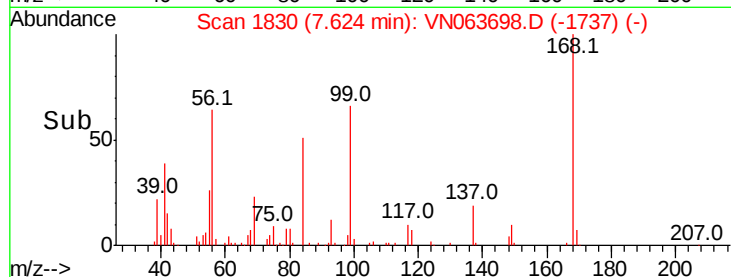
40000

20000

0

7.50 7.55 7.60 7.65 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 42.792 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063698.D

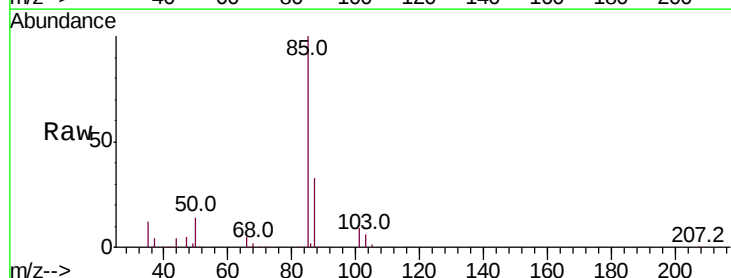
Acq: 28 Sep 2020 11:59

Tgt Ion: 85 Resp: 113876

Ion Ratio Lower Upper

85 100

87 32.9 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

100000

80000

60000

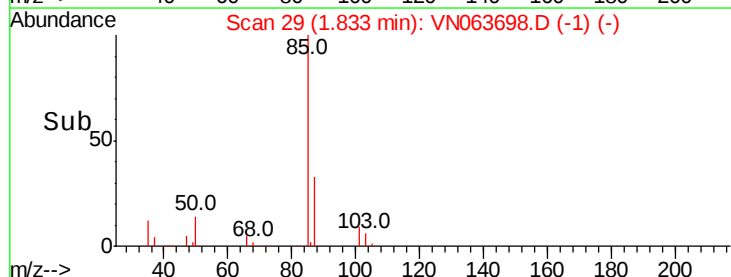
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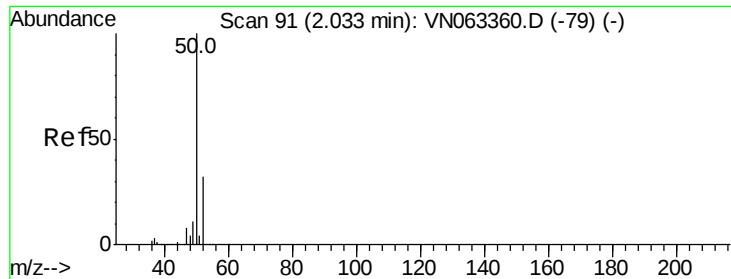
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 41.056 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

Instrument :

MSVOA_N

ClientSampleId :

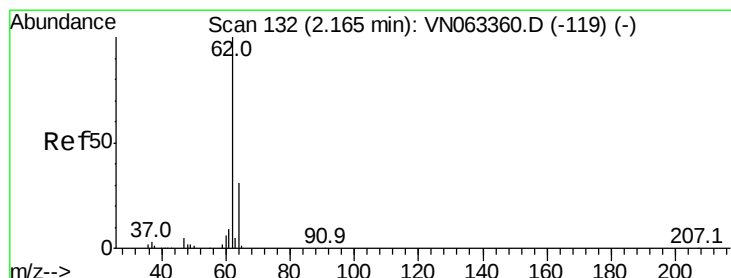
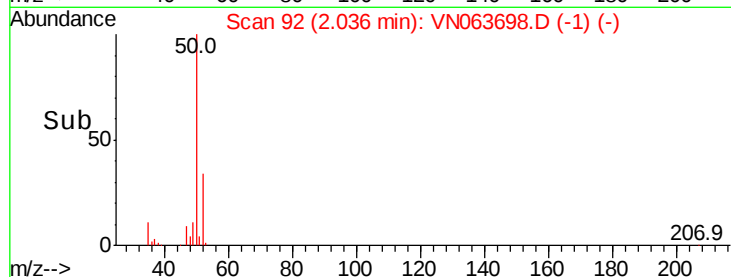
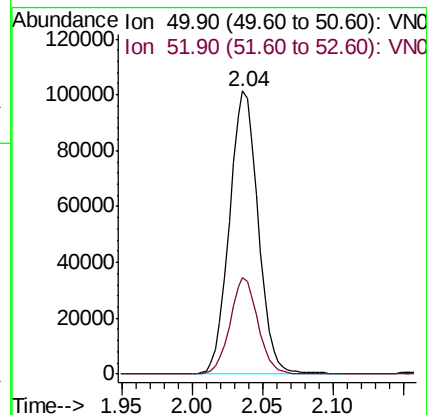
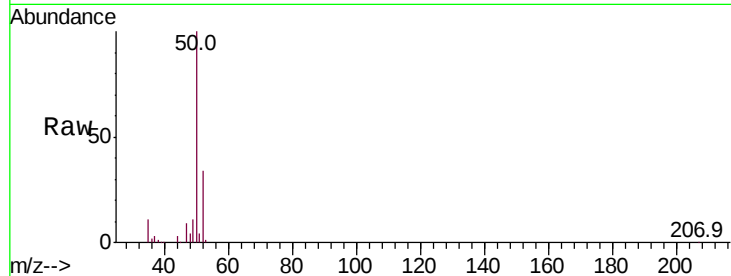
VSTDCCC050

Tot Ion: 50 Resp: 144535

Ion Ratio Lower Upper

50 100

52 33.9 25.9 38.9



#4

Vinyl Chloride

Concen: 45.651 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN063698.D

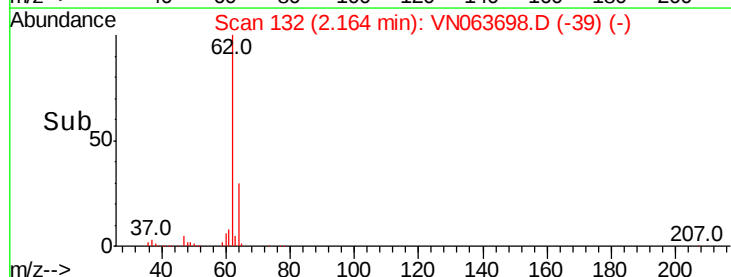
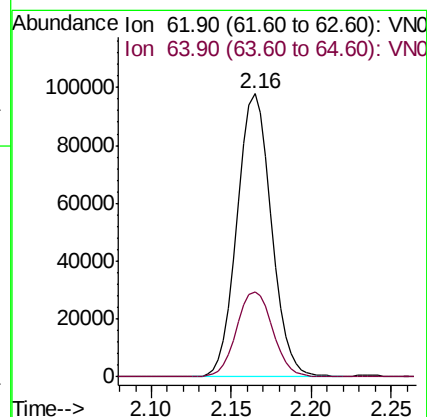
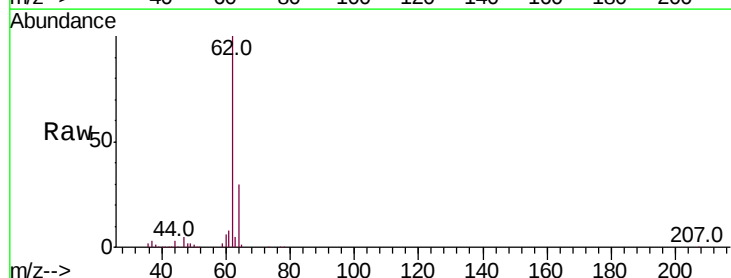
Acq: 28 Sep 2020 11:59

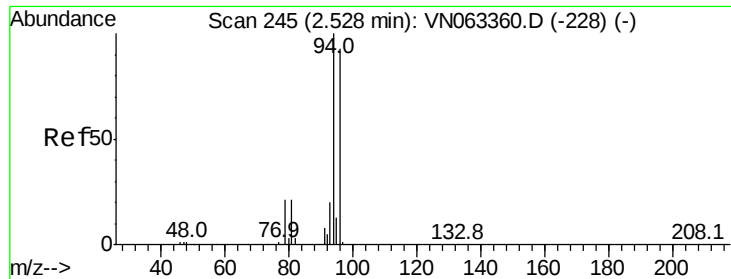
Tgt Ion: 62 Resp: 142385

Ion Ratio Lower Upper

62 100

64 30.0 25.1 37.7





#5

Bromomethane

Concen: 51.893 ug/l

RT: 2.52 min Scan# 244

Delta R.T. -0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

Instrument :

MSVOA_N

ClientSampleId :

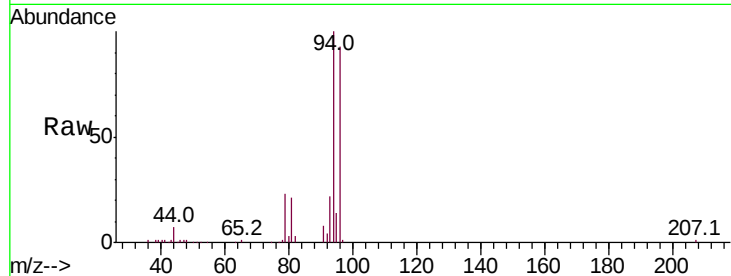
VSTDCCC050

Tot Ion: 94 Resp: 96100

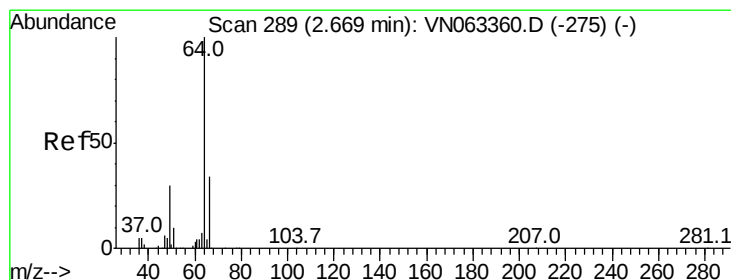
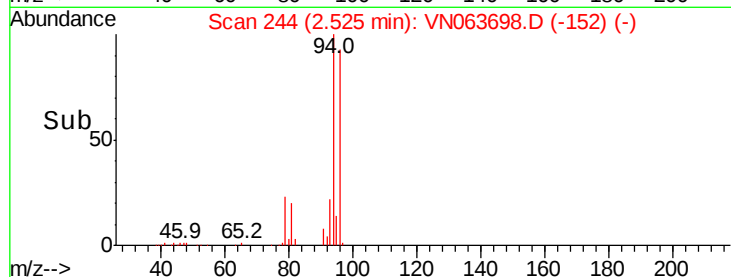
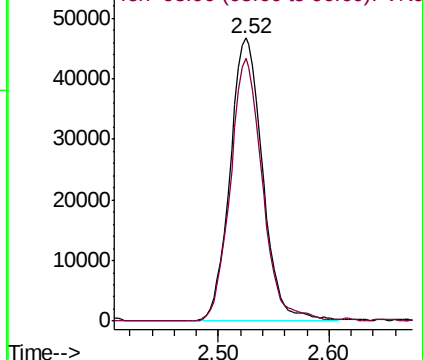
Ion Ratio Lower Upper

94 100

96 92.8 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: 48.000 ug/l

RT: 2.67 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN063698.D

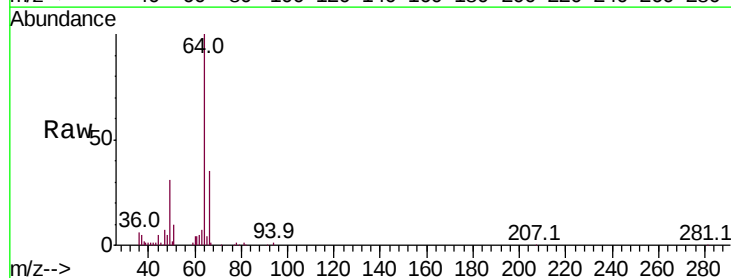
Acq: 28 Sep 2020 11:59

Tgt Ion: 64 Resp: 91900

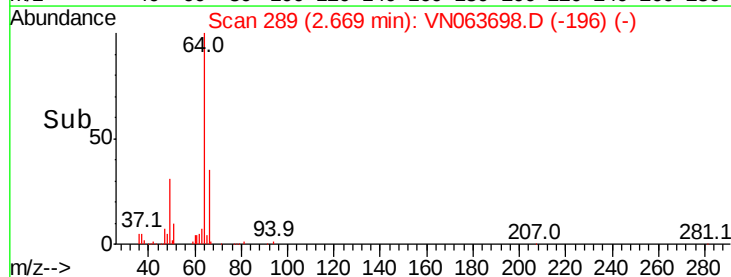
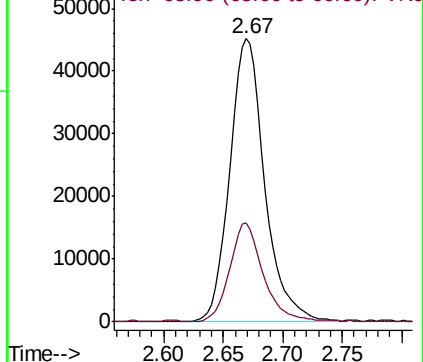
Ion Ratio Lower Upper

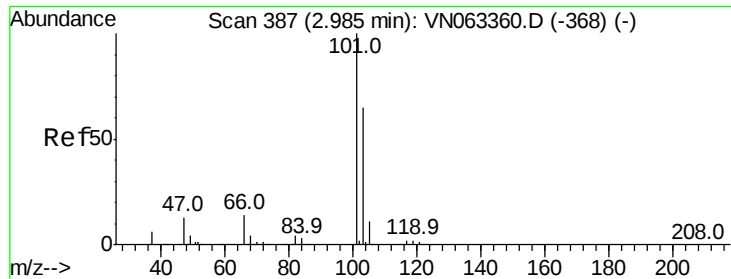
64 100

66 35.1 26.9 40.3



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



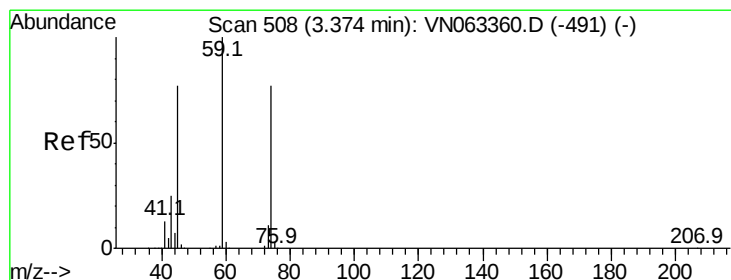
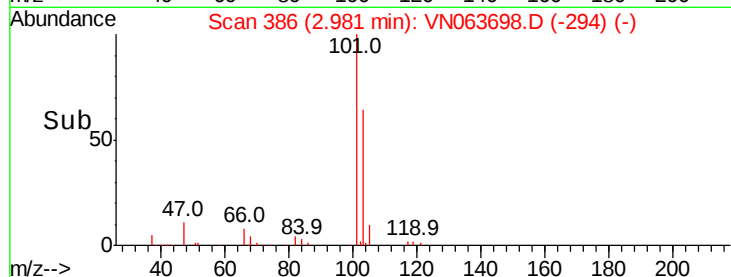
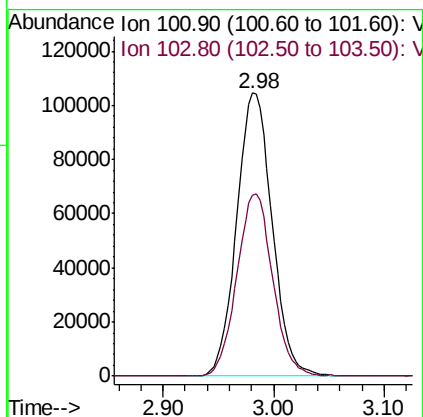
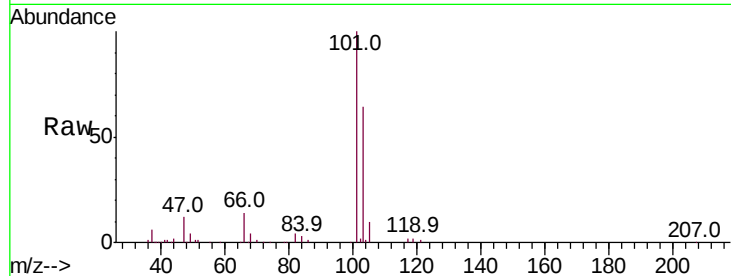


#7

Trichlorofluoromethane
 Concen: 49.988 ug/l
 RT: 2.98 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN063698.D
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 VSTDCCC050

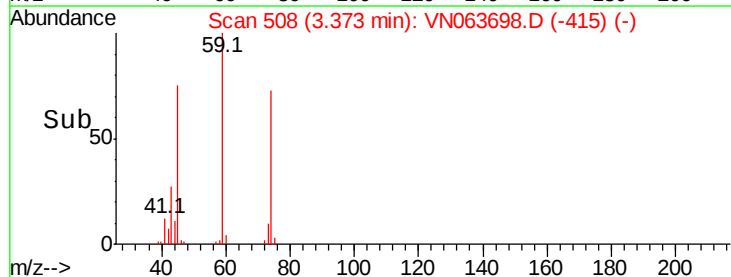
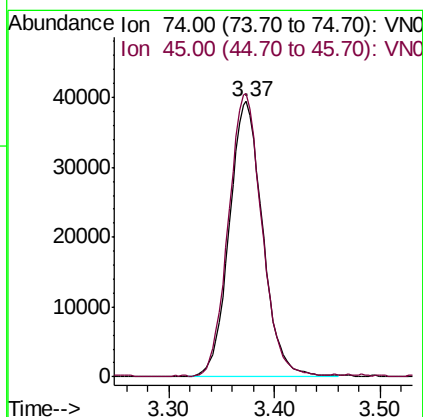
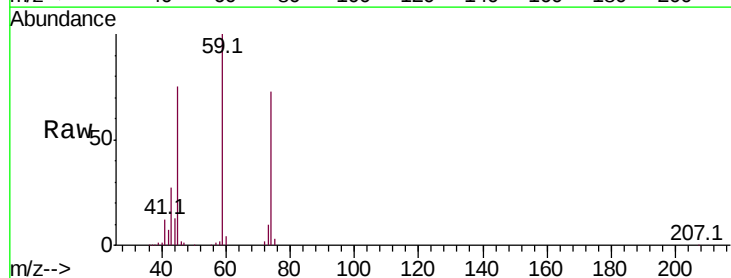
Tot Ion:101 Resp: 232622
 Ion Ratio Lower Upper
 101 100
 103 64.0 52.3 78.5

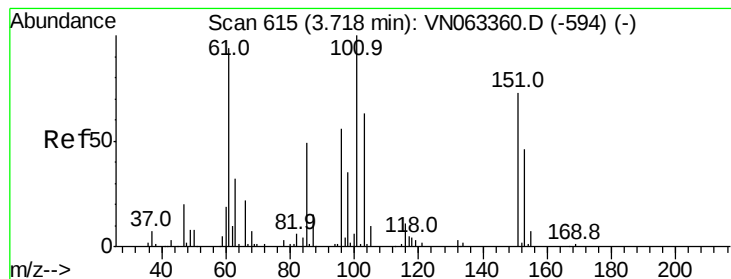


#8

Diethyl Ether
 Concen: 47.744 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN063698.D
 Acq: 28 Sep 2020 11:59

Tgt Ion: 74 Resp: 86611
 Ion Ratio Lower Upper
 74 100
 45 103.4 52.1 156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.701 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

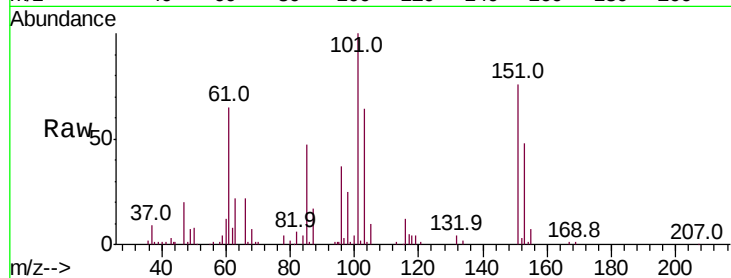
Tot Ion:101 Resp: 127454

Ion Ratio Lower Upper

101 100

85 48.1 37.7 56.5

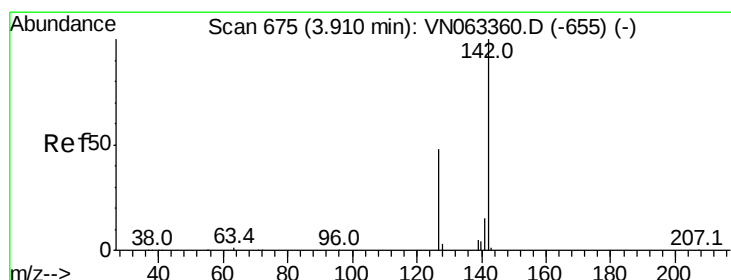
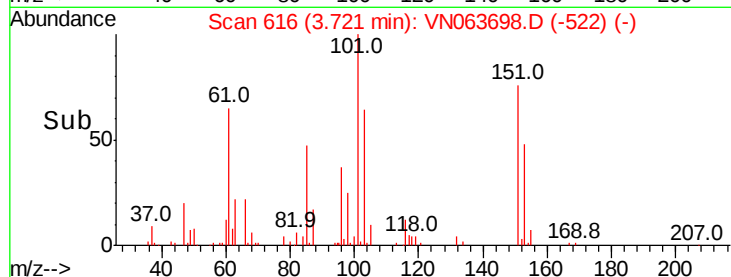
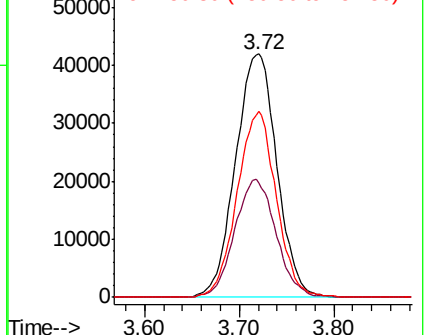
151 72.4 57.7 86.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.279 ug/l

RT: 3.91 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

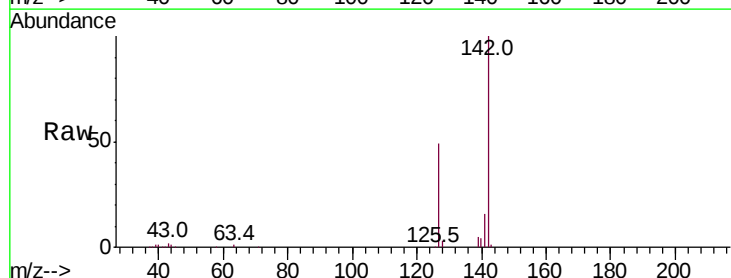
Tgt Ion:142 Resp: 161092

Ion Ratio Lower Upper

142 100

127 50.9 39.0 58.6

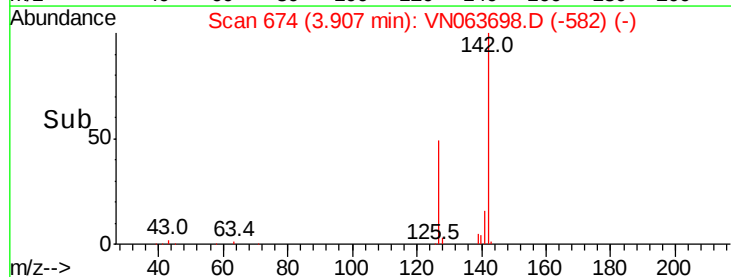
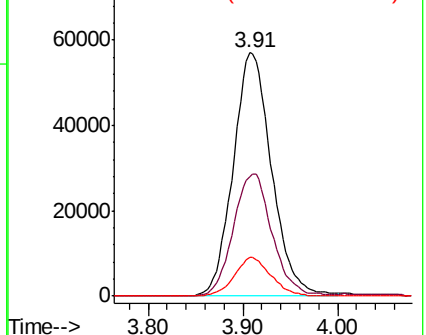
141 15.0 11.6 17.4

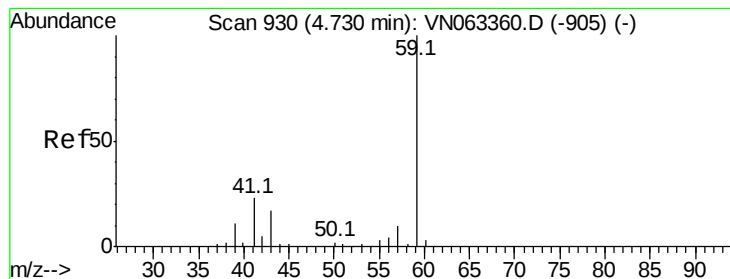


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



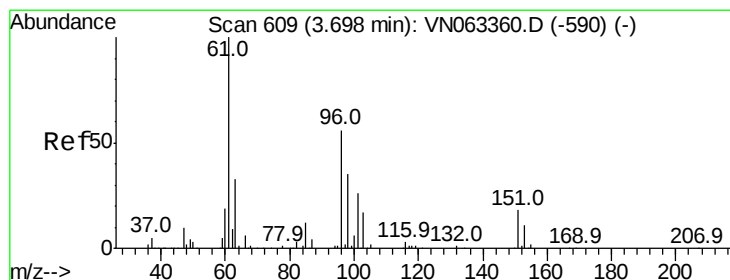
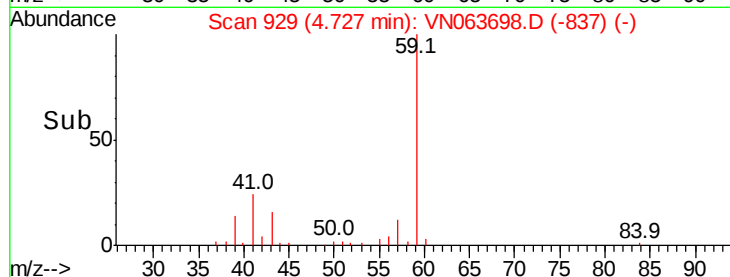
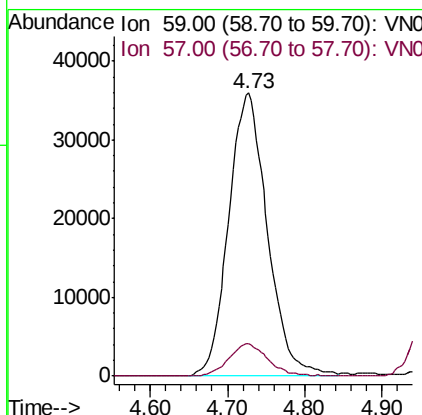
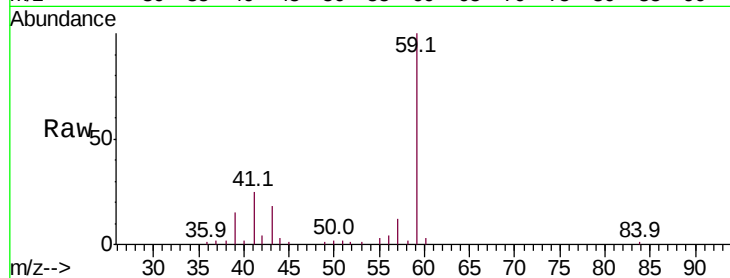


#11

Tert butyl alcohol
 Concen: 225.967 ug/l
 RT: 4.73 min Scan# 929
 Delta R.T. -0.00 min
 Lab File: VN063698.D
 Acq: 28 Sep 2020 11:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

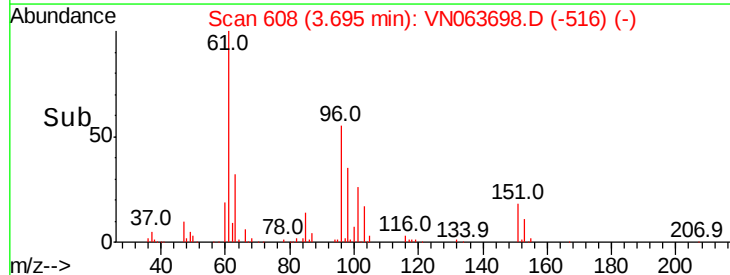
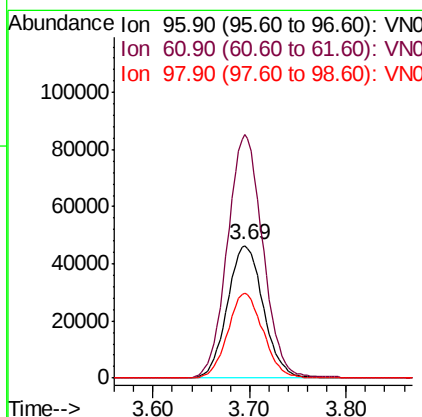
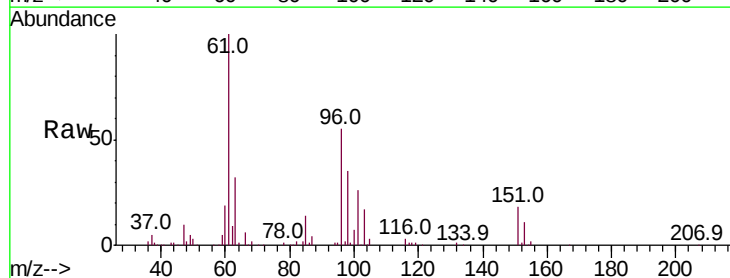
Tot Ion: 59 Resp: 125171
 Ion Ratio Lower Upper
 59 100
 57 11.5 8.4 12.6

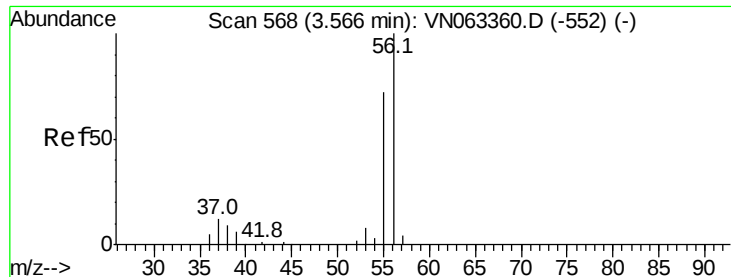


#12

1,1-Dichloroethene
 Concen: 45.313 ug/l
 RT: 3.69 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: VN063698.D
 Acq: 28 Sep 2020 11:59

Tgt Ion: 96 Resp: 120112
 Ion Ratio Lower Upper
 96 100
 61 183.4 143.4 215.2
 98 63.5 50.6 76.0





#13

Acrolein

Concen: 230.158 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

Instrument :

MSVOA_N

ClientSampleId :

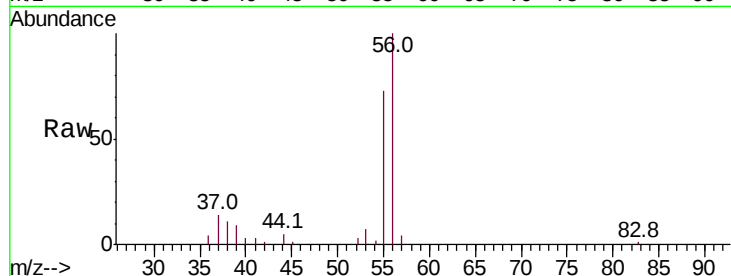
VSTDCCC050

Tot Ion: 56 Resp: 47247

Ion Ratio Lower Upper

56 100

55 72.0 58.2 87.2



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

3.57

20000

15000

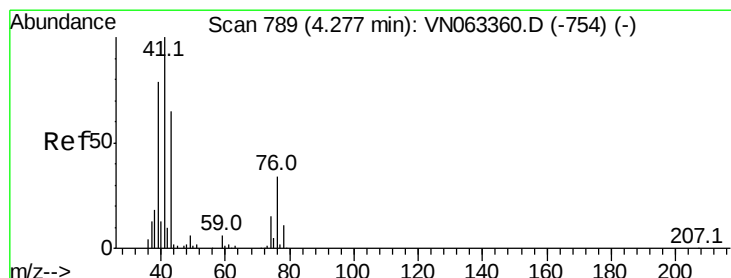
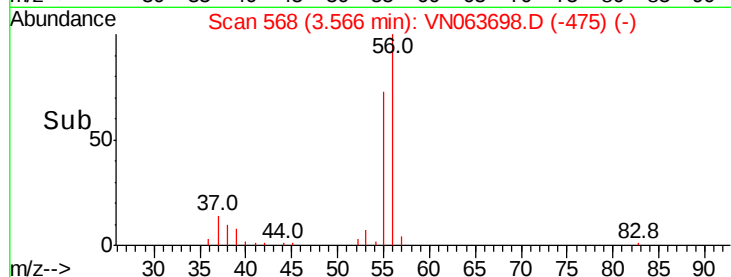
10000

5000

0

Time-->

3.50 3.55 3.60 3.65



#14

Allyl chloride

Concen: 45.433 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

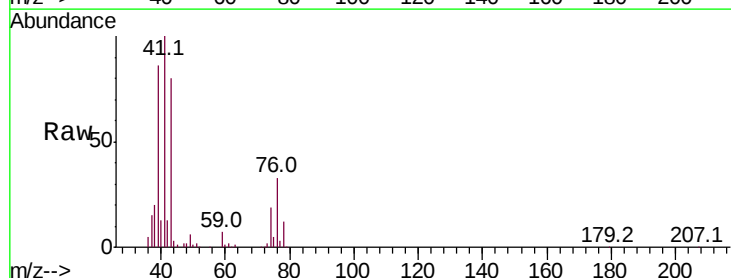
Tgt Ion: 41 Resp: 238216

Ion Ratio Lower Upper

41 100

39 79.4 59.3 88.9

76 30.7 25.3 37.9



Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO

100000

80000

60000

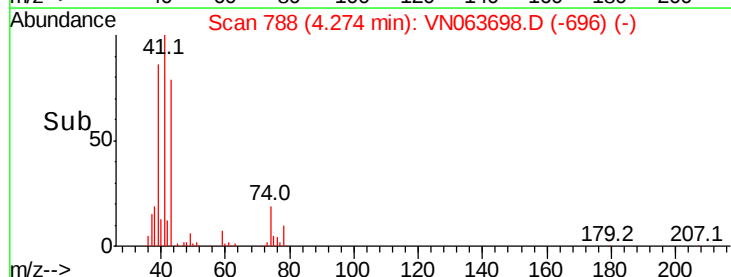
40000

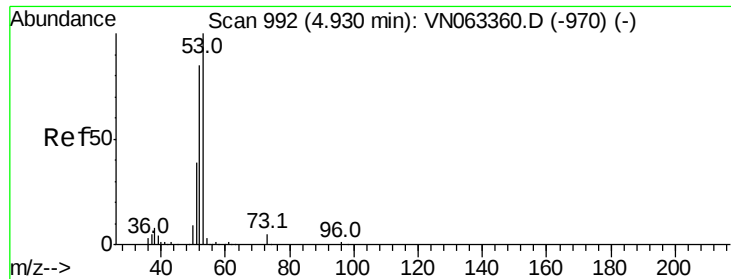
20000

0

Time-->

4.10 4.20 4.30 4.40





#15

Acrylonitrile

Concen: 245.206 ug/l

RT: 4.93 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

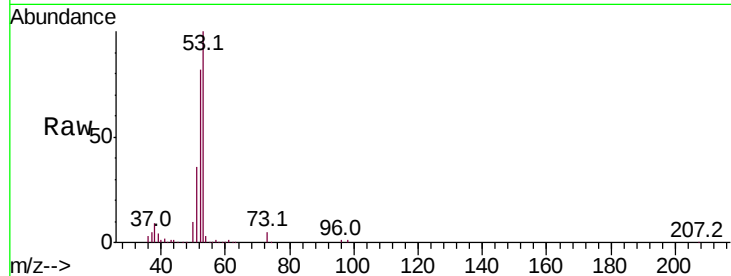
Tot Ion: 53 Resp: 345503

Ion Ratio Lower Upper

53 100

52 84.4 66.4 99.6

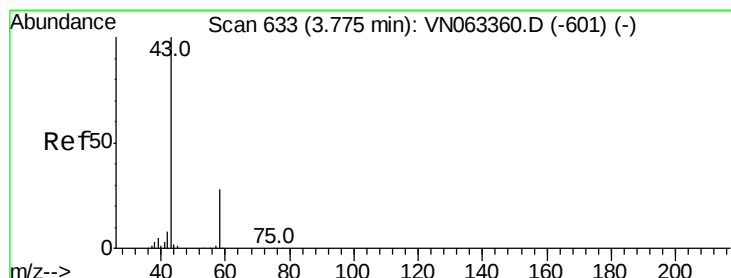
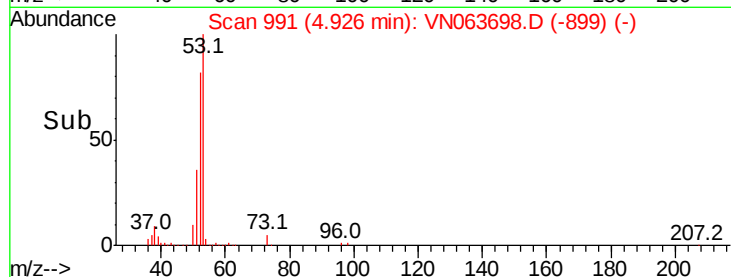
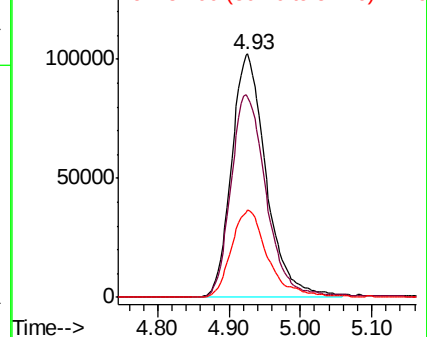
51 38.0 30.2 45.4



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: 253.287 ug/l

RT: 3.77 min Scan# 632

Delta R.T. -0.00 min

Lab File: VN063698.D

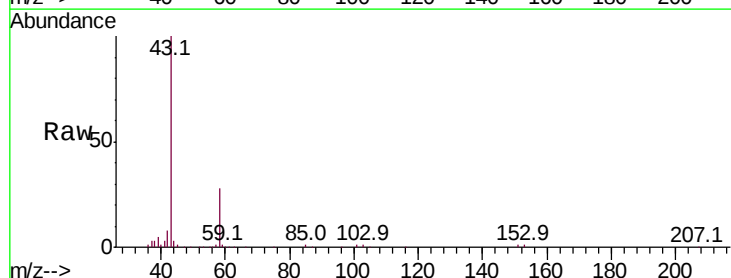
Acq: 28 Sep 2020 11:59

Tgt Ion: 43 Resp: 325488

Ion Ratio Lower Upper

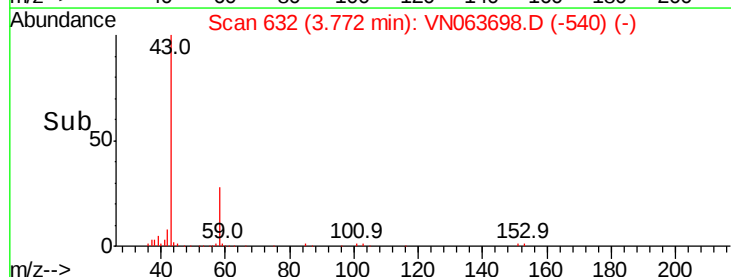
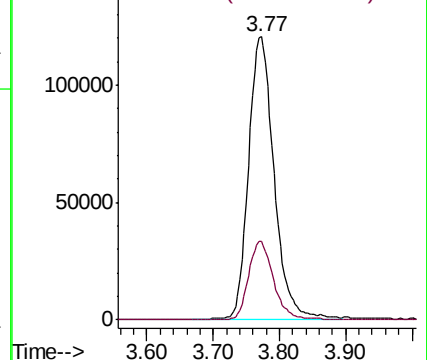
43 100

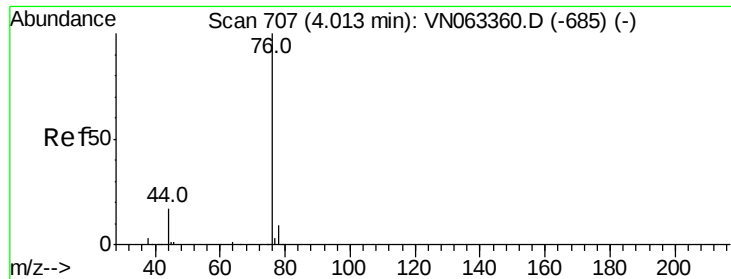
58 27.8 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

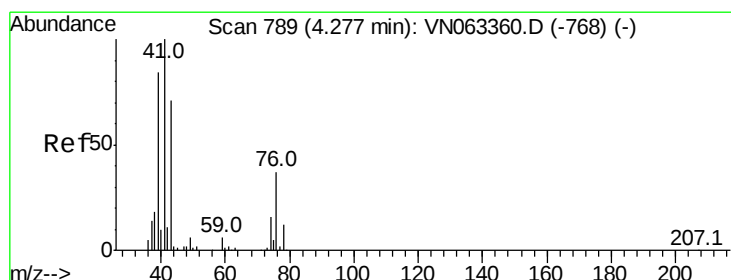
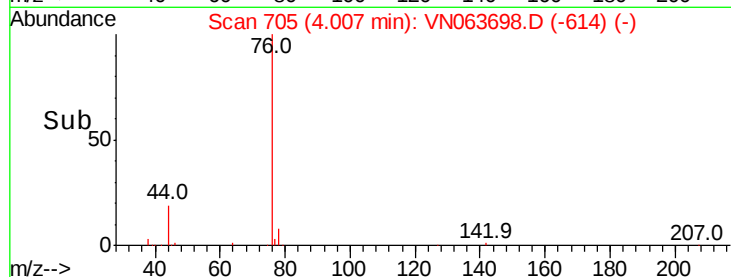
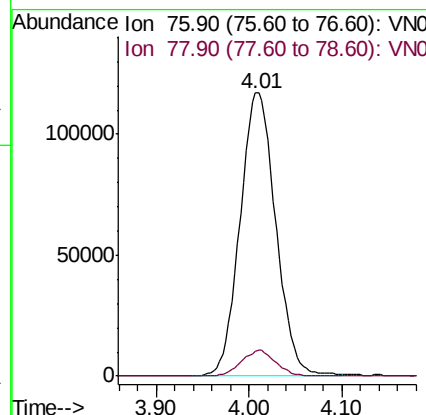
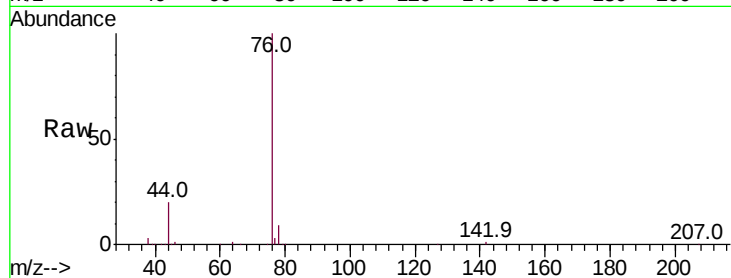




#17
Carbon Disulfide
Concen: 40.626 ug/l
RT: 4.01 min Scan# 705
Delta R.T. -0.01 min
Lab File: VN063698.D
Acq: 28 Sep 2020 11:59

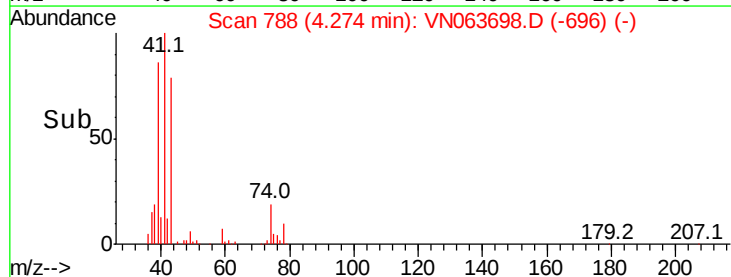
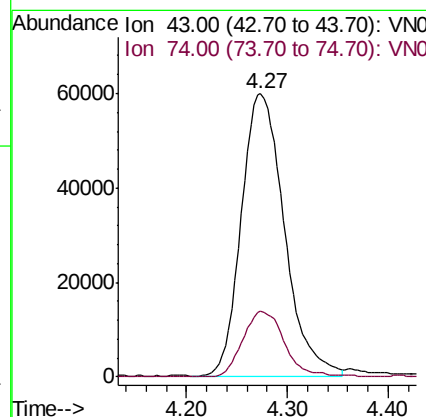
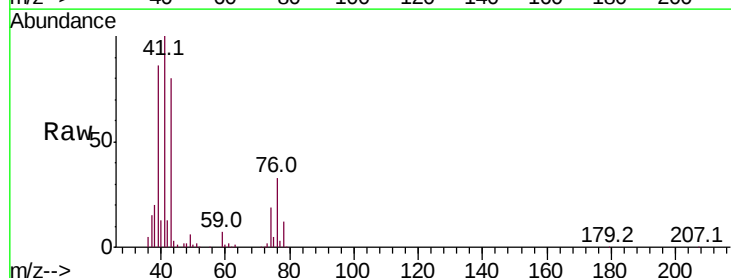
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

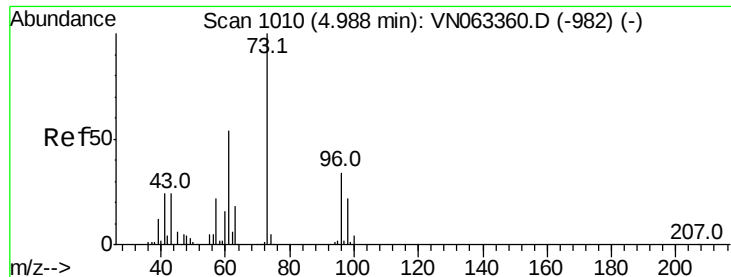
Tot Ion: 76 Resp: 313246
Ion Ratio Lower Upper
76 100
78 8.8 7.2 10.8



#18
Methyl Acetate
Concen: 54.771 ug/l
RT: 4.27 min Scan# 788
Delta R.T. -0.00 min
Lab File: VN063698.D
Acq: 28 Sep 2020 11:59

Tgt Ion: 43 Resp: 178679
Ion Ratio Lower Upper
43 100
74 22.1 17.4 26.2

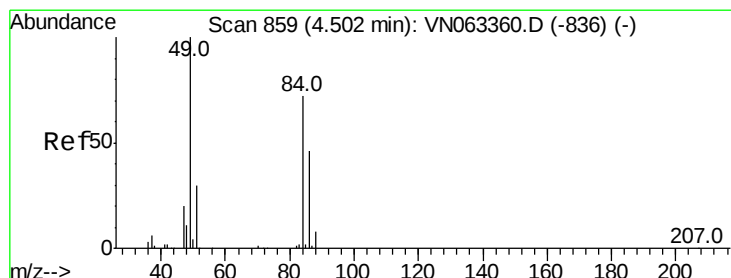
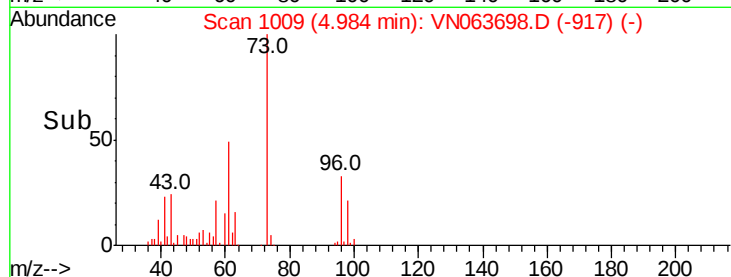
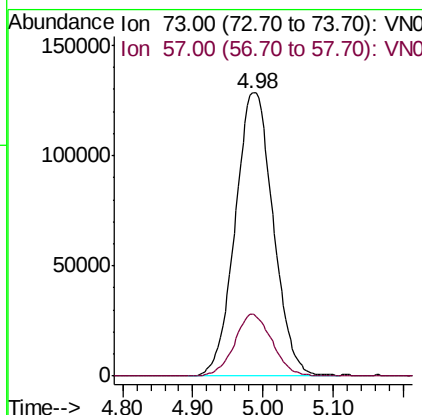
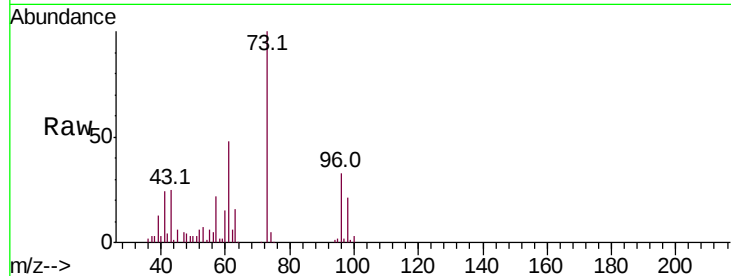




#19
Methyl tert-butyl Ether
Concen: 48.892 ug/l
RT: 4.98 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN063698.D
Acq: 28 Sep 2020 11:59

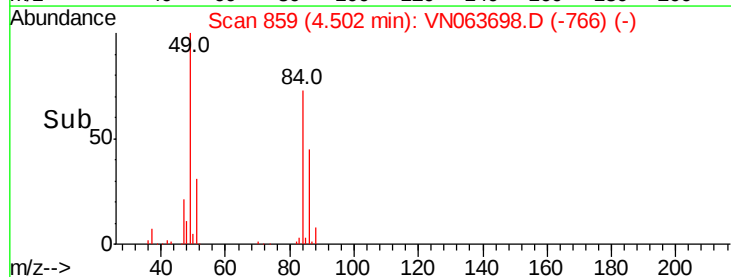
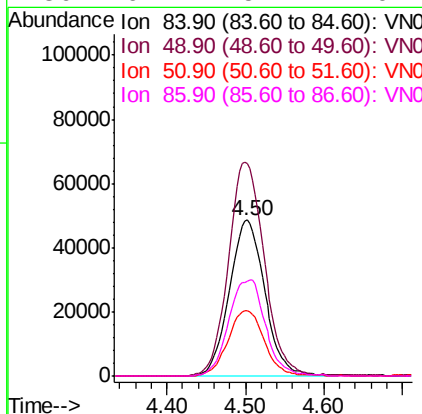
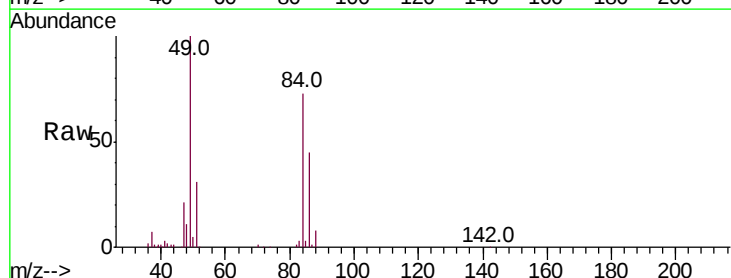
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

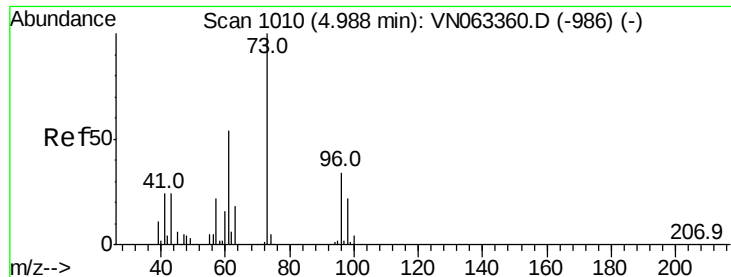
Tot Ion: 73 Resp: 483022
Ion Ratio Lower Upper
73 100
57 22.0 17.9 26.9



#20
Methylene Chloride
Concen: 46.958 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN063698.D
Acq: 28 Sep 2020 11:59

Tgt Ion: 84 Resp: 152889
Ion Ratio Lower Upper
84 100
49 136.6 110.7 166.1
51 41.8 32.9 49.3
86 61.1 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 45.640 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

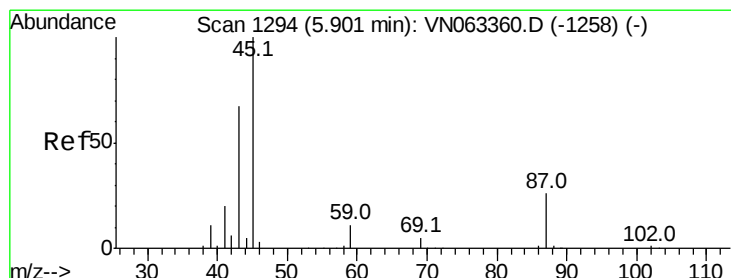
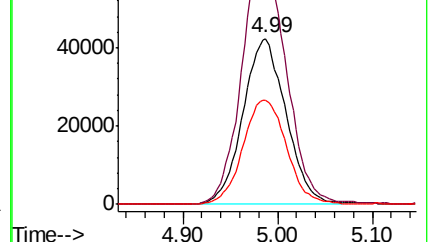
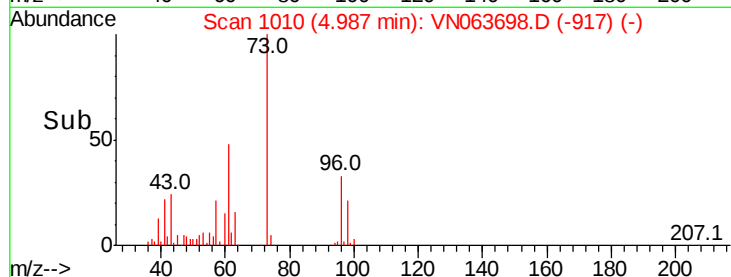
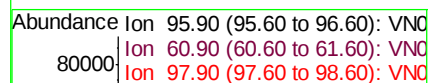
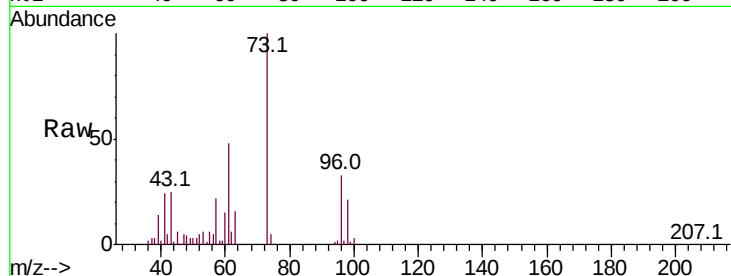
Tot Ion: 96 Resp: 134038

Ion Ratio Lower Upper

96 100

61 145.2 126.2 189.4

98 62.6 51.0 76.4



#22

Diisopropyl ether

Concen: 48.429 ug/l

RT: 5.90 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

Tgt Ion: 45 Resp: 517876

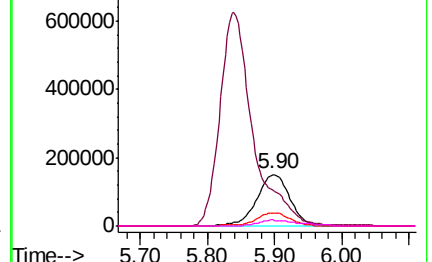
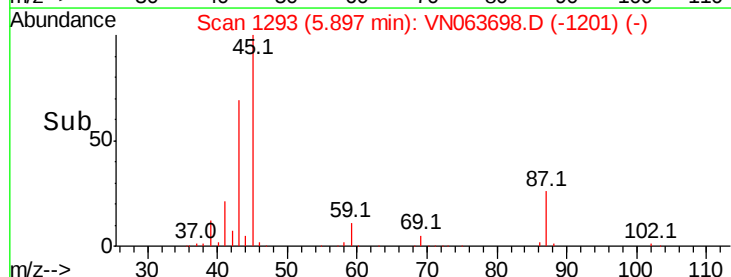
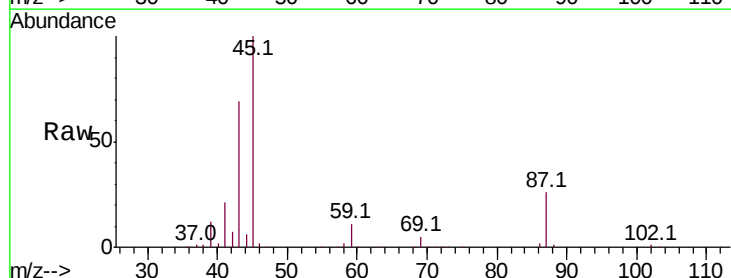
Ion Ratio Lower Upper

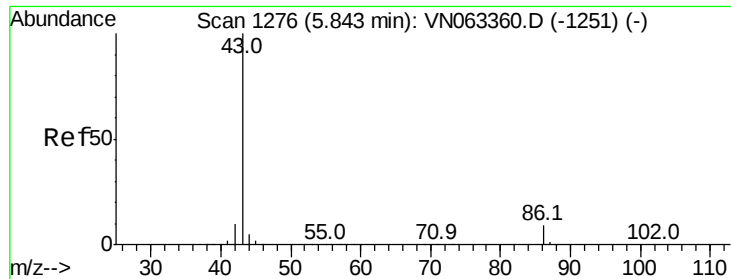
45 100

43 68.0 53.5 80.3

87 26.1 21.2 31.8

59 11.1 8.8 13.2

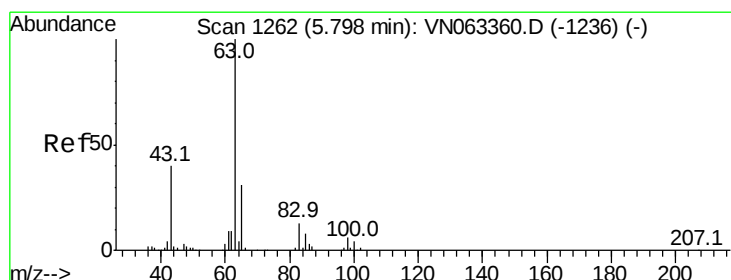
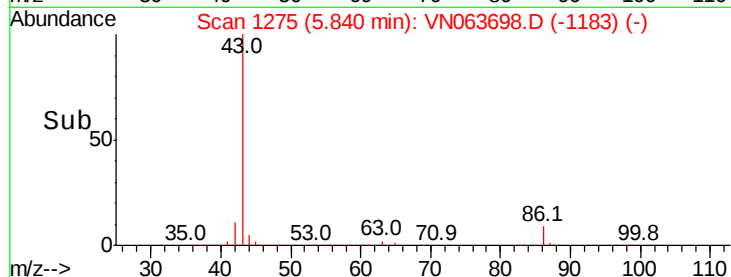
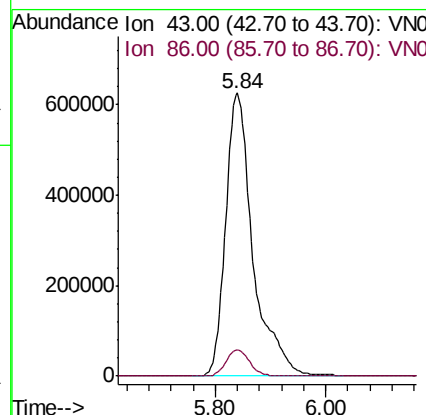
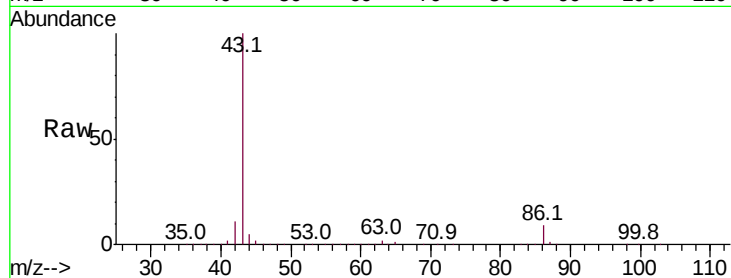




#23
 Vinyl Acetate
 Concen: 245.010 ug/l
 RT: 5.84 min Scan# 1275
 Delta R.T. -0.00 min
 Lab File: VN063698.D
 Acq: 28 Sep 2020 11:59

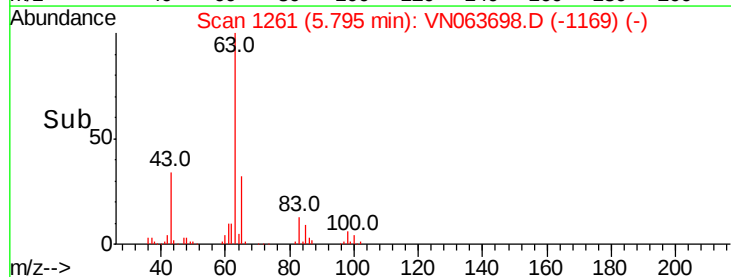
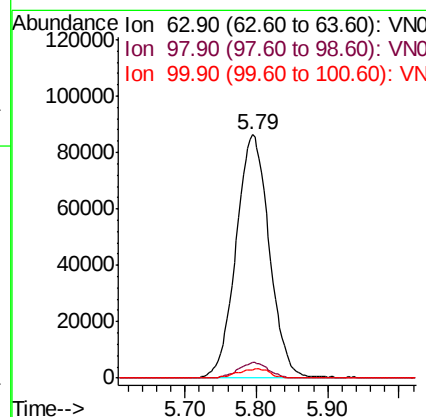
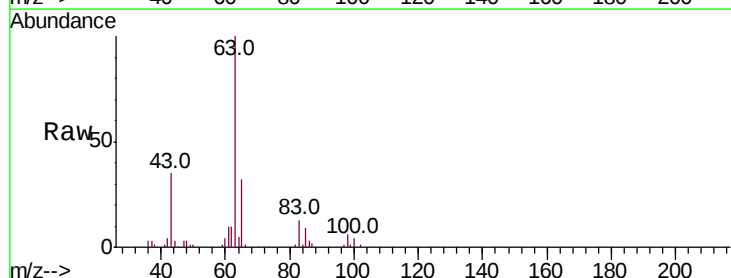
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

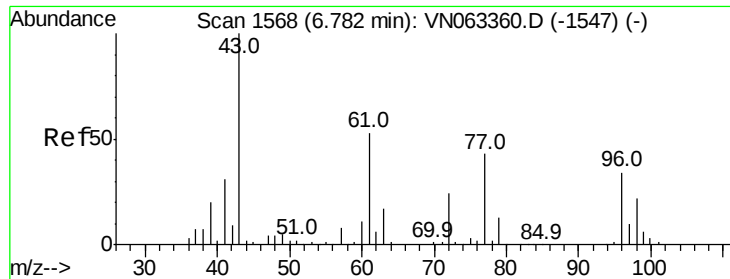
Tot Ion: 43 Resp: 2151734
 Ion Ratio Lower Upper
 43 100
 86 9.2 7.1 10.7



#24
 1,1-Dichloroethane
 Concen: 47.905 ug/l
 RT: 5.79 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN063698.D
 Acq: 28 Sep 2020 11:59

Tgt Ion: 63 Resp: 279678
 Ion Ratio Lower Upper
 63 100
 98 6.2 2.9 8.8
 100 3.6 2.1 6.3





#25

2-Butanone

Concen: 245.829 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

Instrument :

MSVOA_N

ClientSampleId :

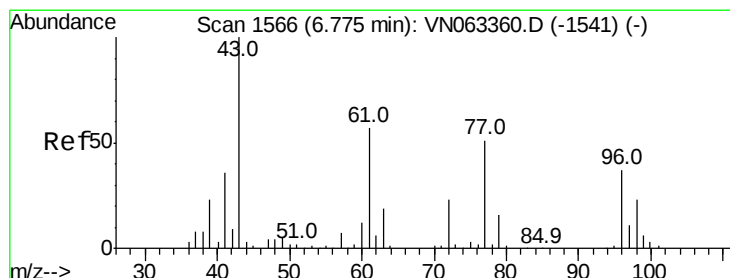
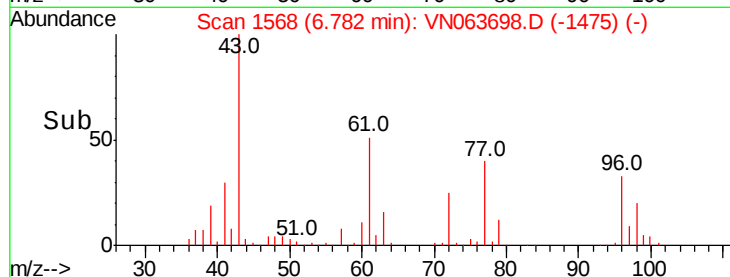
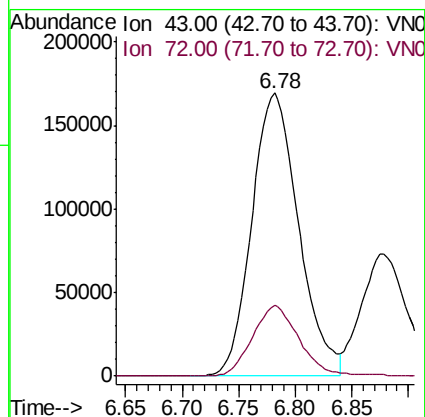
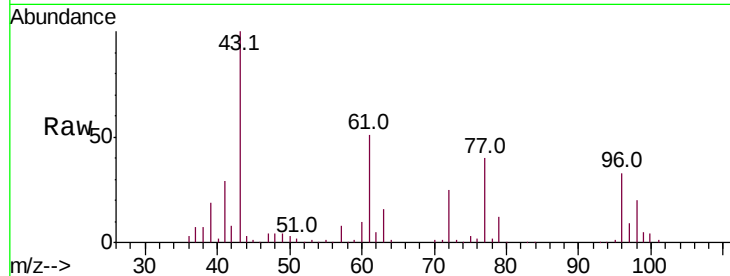
VSTDCCC050

Tot Ion: 43 Resp: 485853

Ion Ratio Lower Upper

43 100

72 25.1 19.2 28.8



#26

2,2-Dichloropropane

Concen: 45.328 ug/l

RT: 6.77 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN063698.D

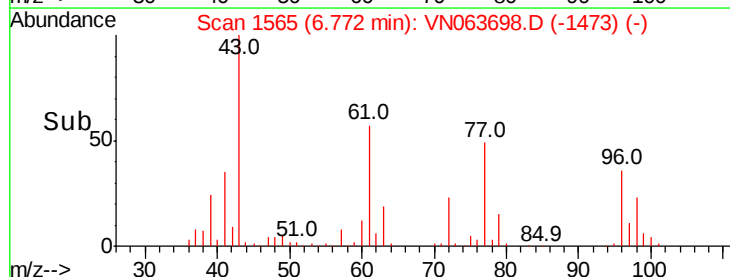
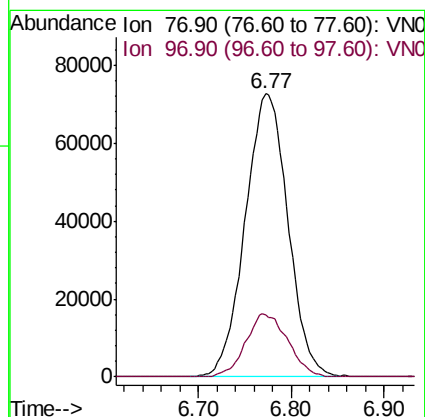
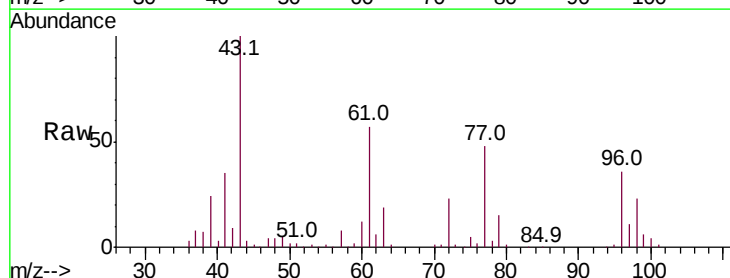
Acq: 28 Sep 2020 11:59

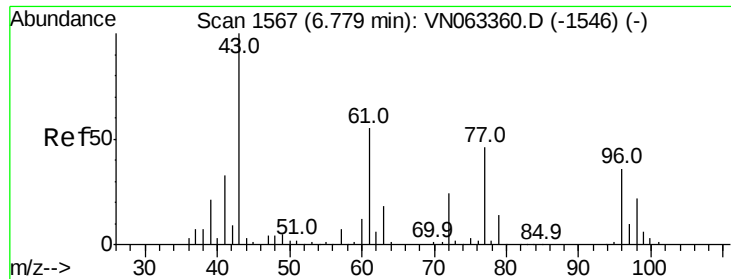
Tgt Ion: 77 Resp: 232995

Ion Ratio Lower Upper

77 100

97 21.9 10.5 31.6

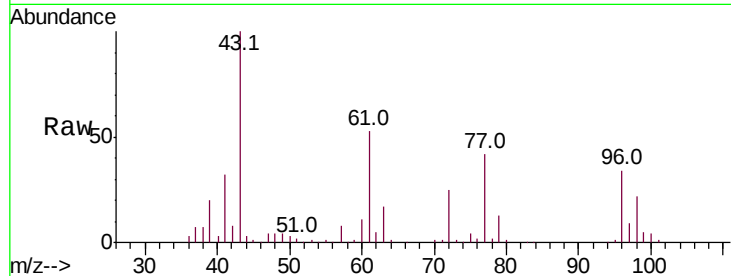




#27
 cis-1,2-Dichloroethene
 Concen: 49.245 ug/l
 RT: 6.78 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VN063698.D
 Acq: 28 Sep 2020 11:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	96	Resp	163696
Ion	Ratio	Lower	Upper
96	100		
61	157.6	0.0	319.6
98	62.4	0.0	127.8

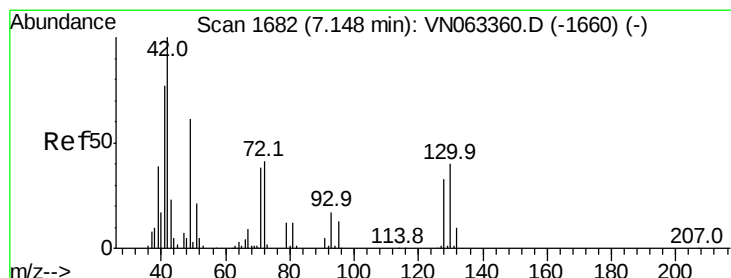
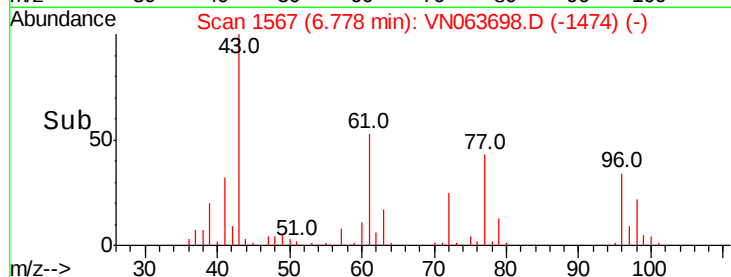
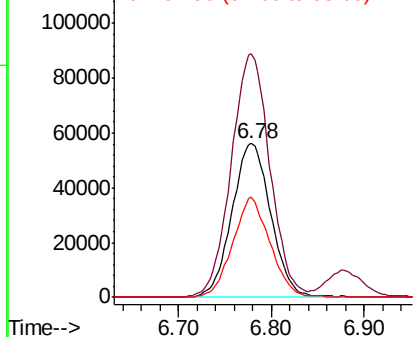


Abundance

Ion 95.90 (95.60 to 96.60): VN0

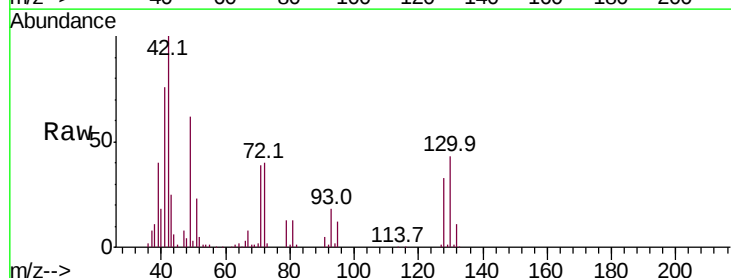
Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28
 Bromochloromethane
 Concen: 49.807 ug/l
 RT: 7.15 min Scan# 1682
 Delta R.T. -0.00 min
 Lab File: VN063698.D
 Acq: 28 Sep 2020 11:59

Tgt Ion	49	Resp	134263
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.8
130	67.7	52.2	78.2

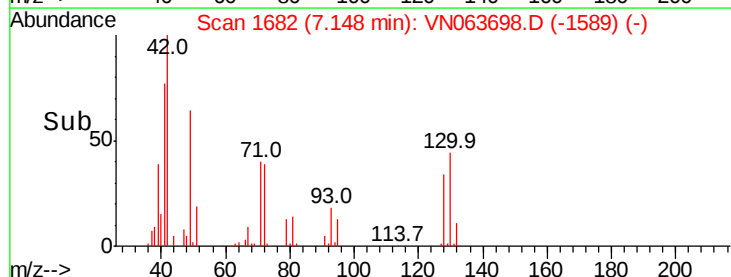
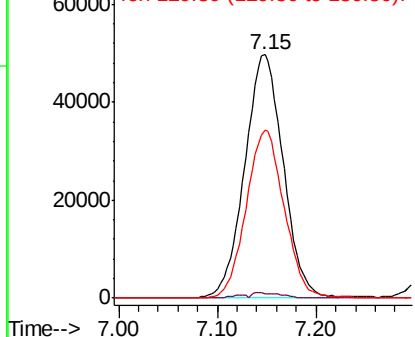


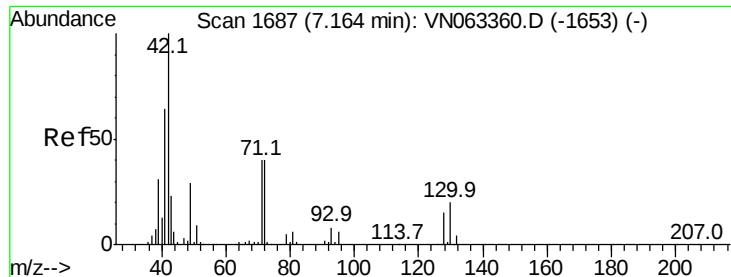
Abundance

Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 233.847 ug/l

RT: 7.16 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

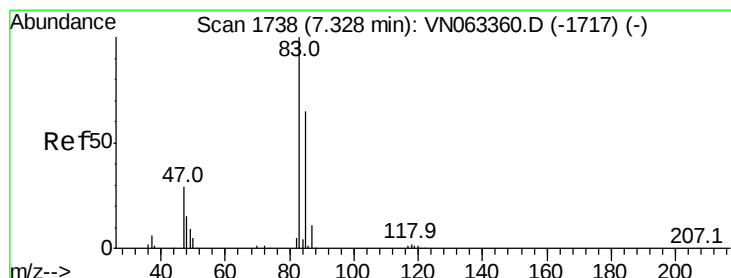
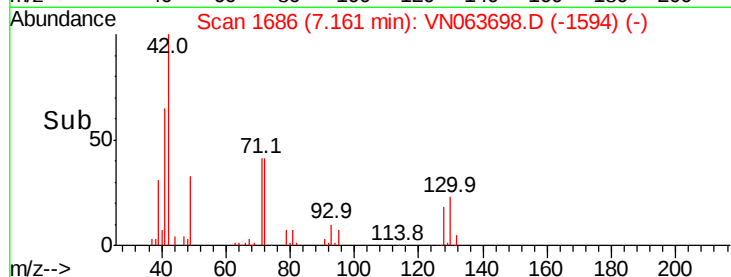
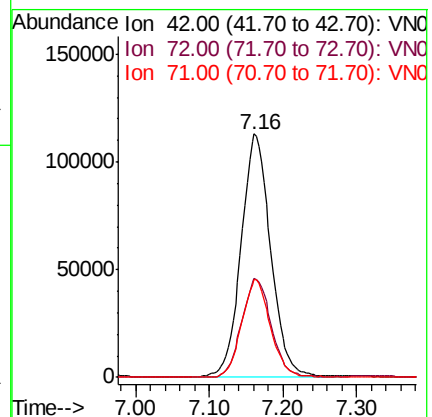
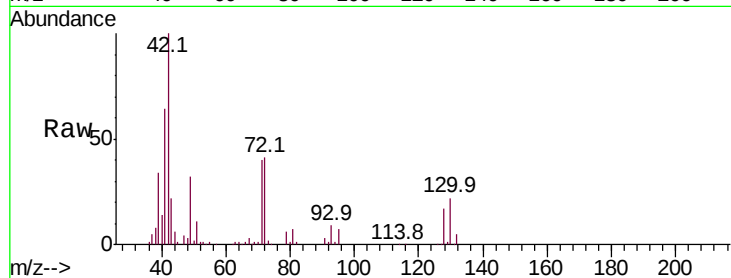
Tot Ion: 42 Resp: 315653

Ion Ratio Lower Upper

42 100

72 40.5 32.1 48.1

71 38.9 31.2 46.8



#30

Chloroform

Concen: 50.167 ug/l

RT: 7.32 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VN063698.D

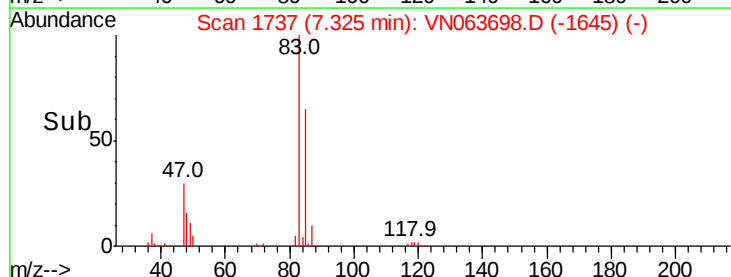
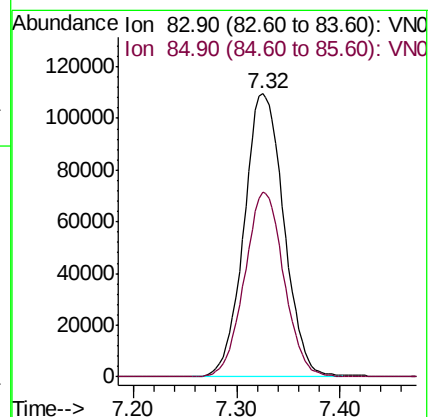
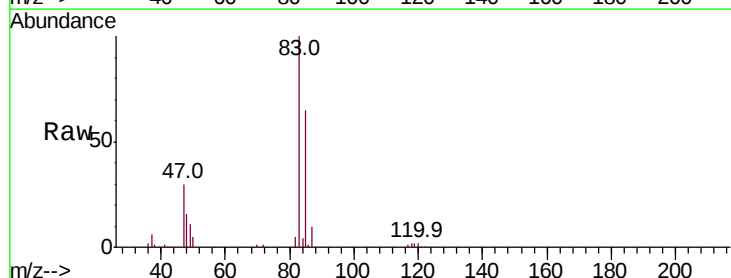
Acq: 28 Sep 2020 11:59

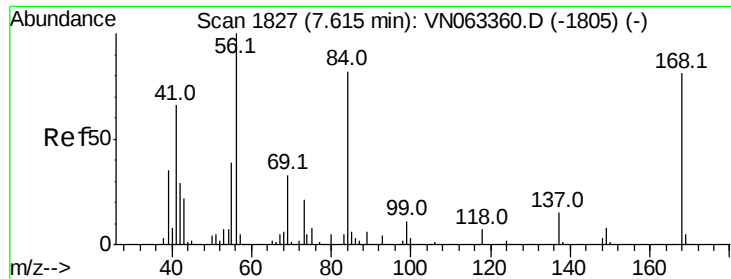
Tgt Ion: 83 Resp: 293847

Ion Ratio Lower Upper

83 100

85 65.1 52.1 78.1

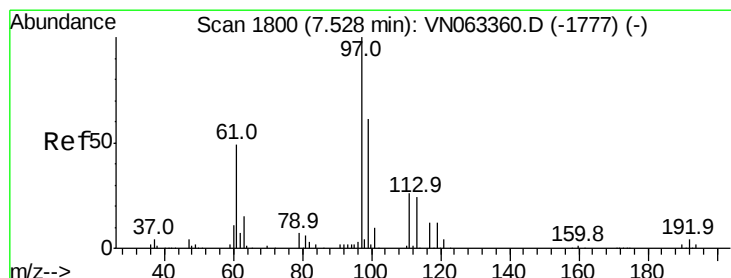
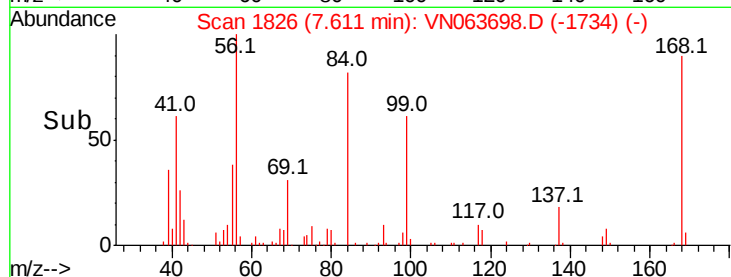
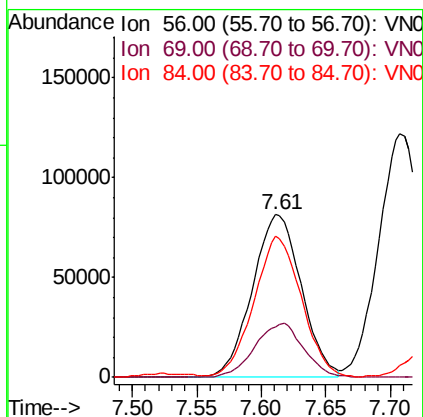
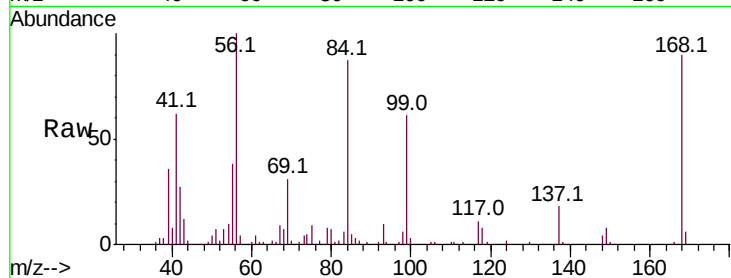




#31
Cyclohexane
Concen: 39.047 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VN063698.D
Acq: 28 Sep 2020 11:59

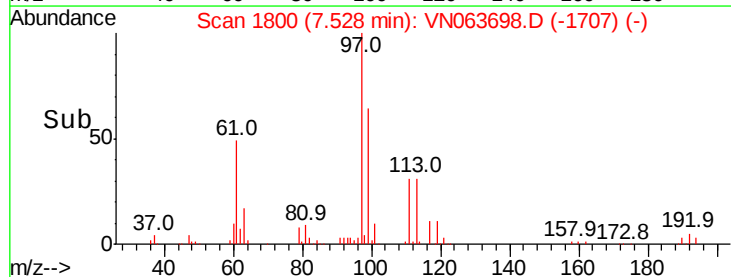
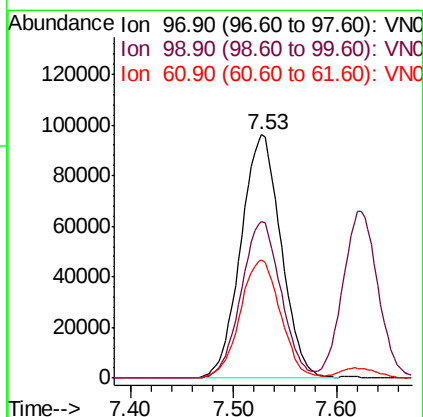
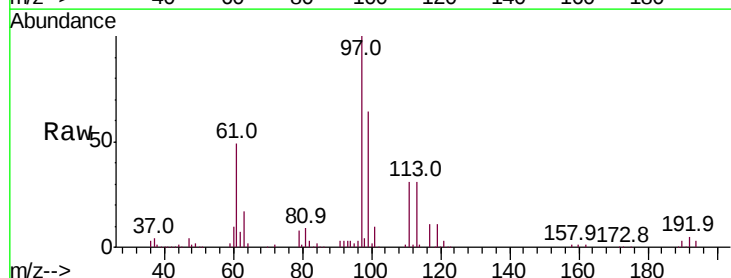
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

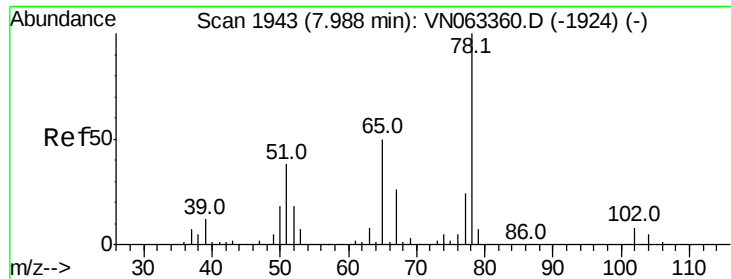
Tot Ion: 56 Resp: 215633
Ion Ratio Lower Upper
56 100
69 31.2 26.1 39.1
84 85.0 65.4 98.2



#32
1,1,1-Trichloroethane
Concen: 50.010 ug/l
RT: 7.53 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VN063698.D
Acq: 28 Sep 2020 11:59

Tgt Ion: 97 Resp: 260540
Ion Ratio Lower Upper
97 100
99 63.6 50.6 76.0
61 48.6 39.2 58.8

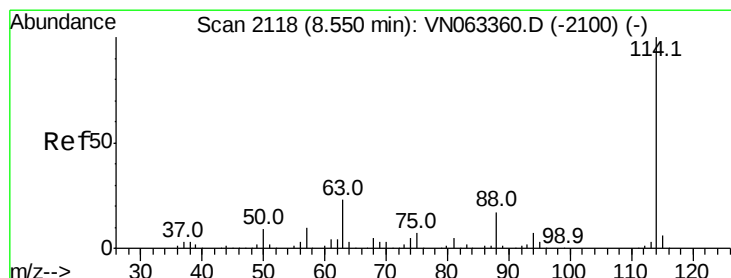
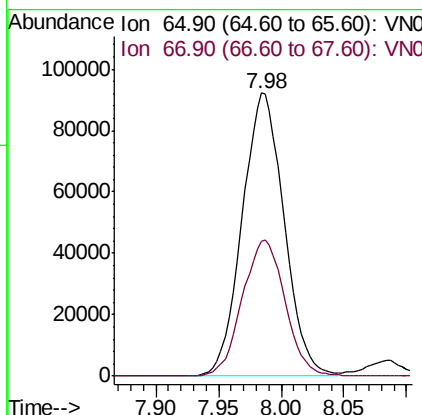
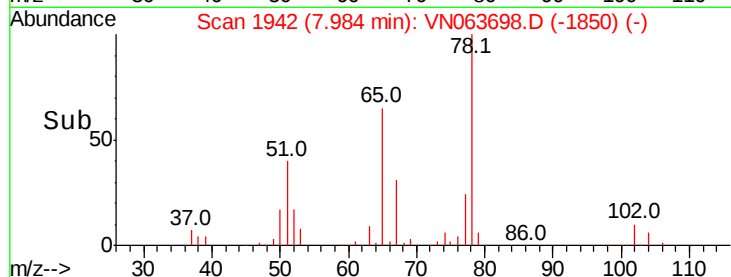
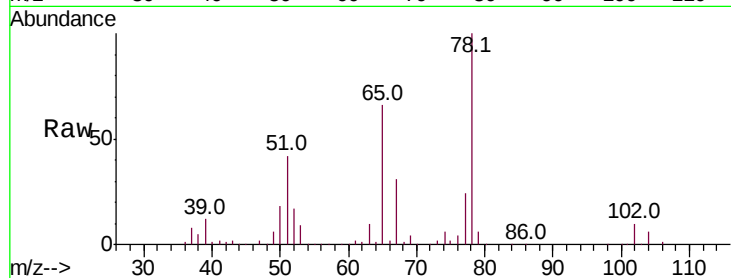




#33
 1,2-Dichloroethane-d4
 Concen: 53.720 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN063698.D
 Acq: 28 Sep 2020 11:59

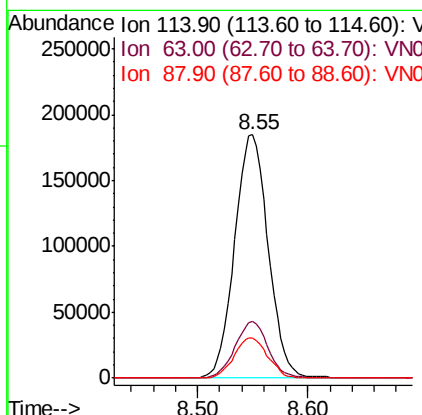
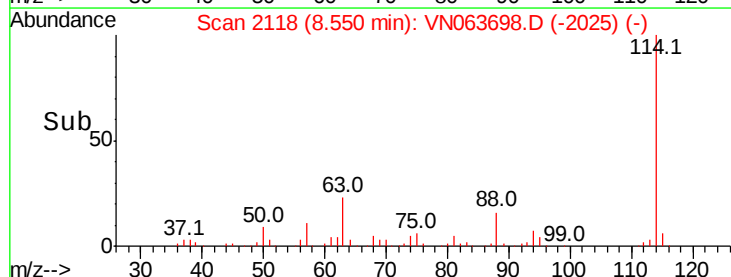
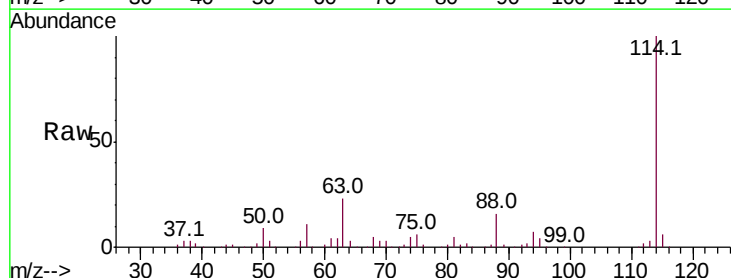
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

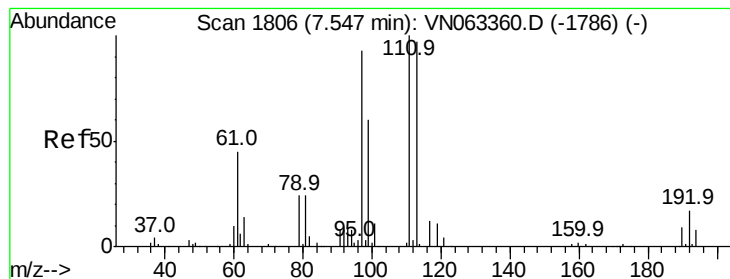
Tot Ion: 65 Resp: 214800
 Ion Ratio Lower Upper
 65 100
 67 49.0 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063698.D
 Acq: 28 Sep 2020 11:59

Tgt Ion: 114 Resp: 389995
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 46.4
 88 16.3 0.0 33.2





#35

Dibromofluoromethane

Concen: 55.463 ug/l

RT: 7.55 min Scan# 1806

Delta R.T. -0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

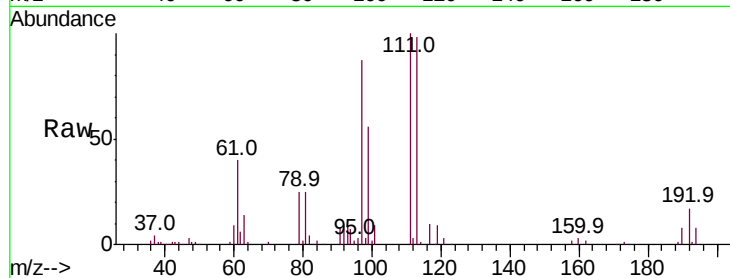
Tot Ion:113 Resp: 149743

Ion Ratio Lower Upper

113 100

111 100.6 82.9 124.3

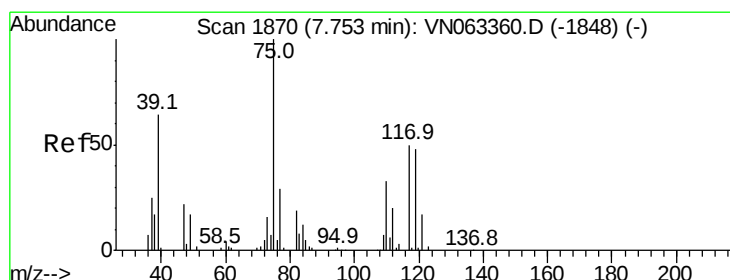
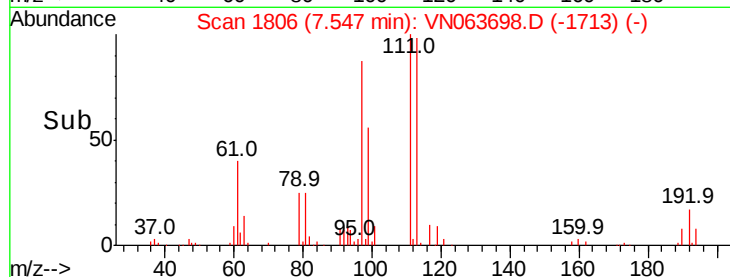
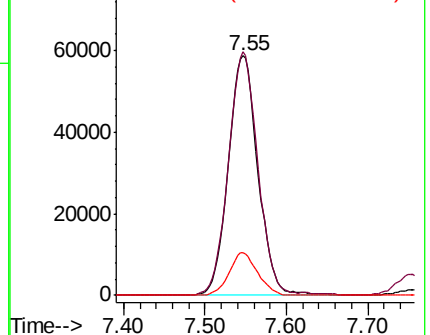
192 17.0 13.9 20.9



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 48.708 ug/l

RT: 7.75 min Scan# 1870

Delta R.T. -0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

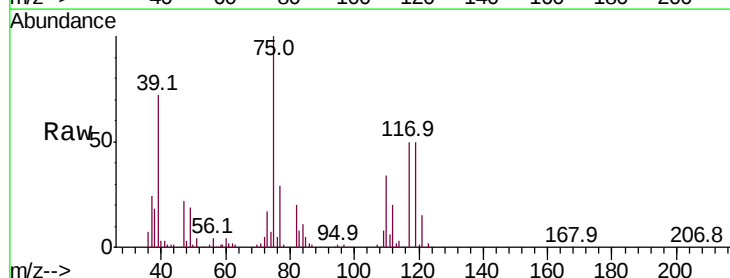
Tgt Ion: 75 Resp: 202374

Ion Ratio Lower Upper

75 100

110 33.1 16.5 49.5

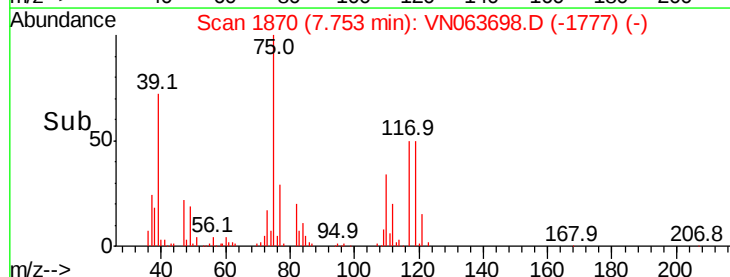
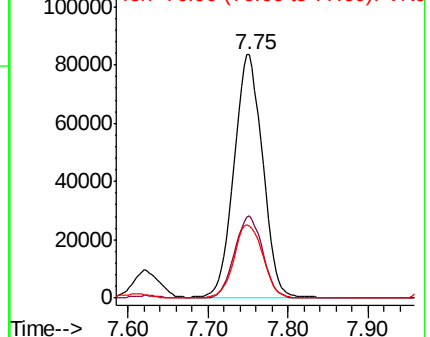
77 30.8 24.6 36.8

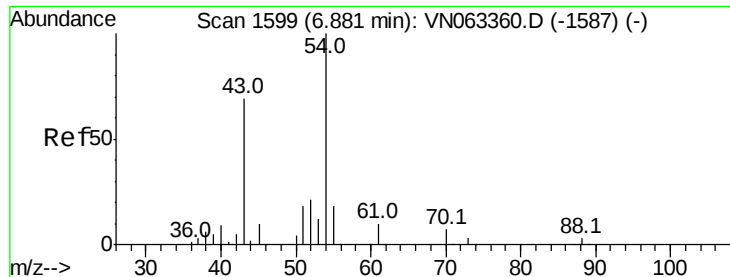


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

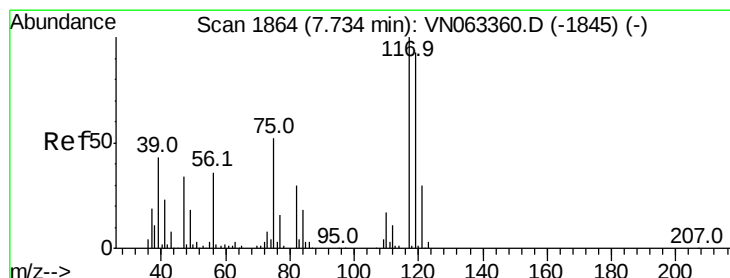
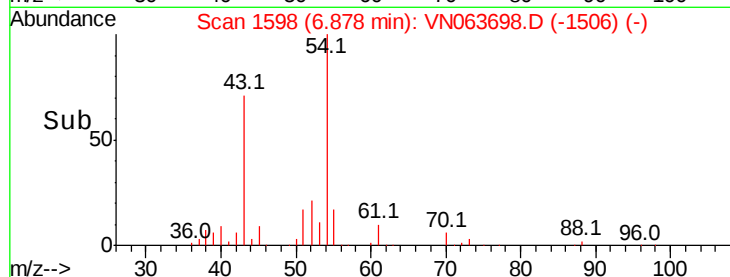
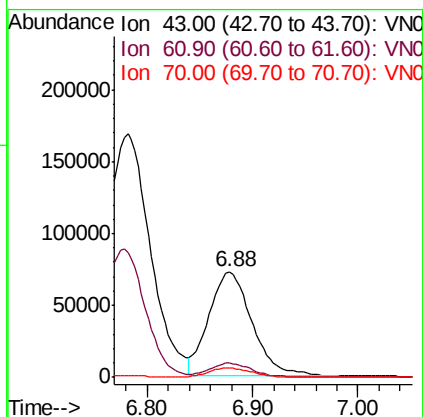
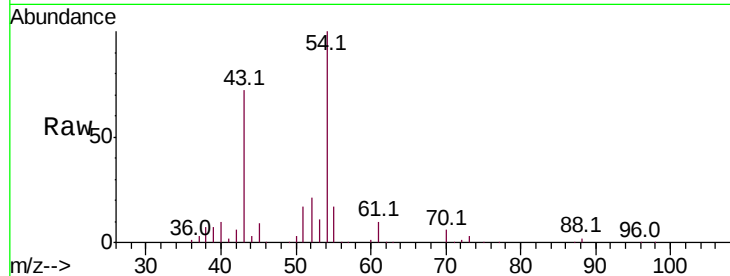




#37
Ethyl Acetate
Concen: 50.522 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN063698.D
Acq: 28 Sep 2020 11:59

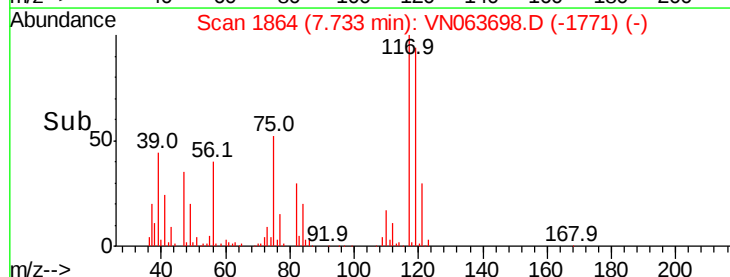
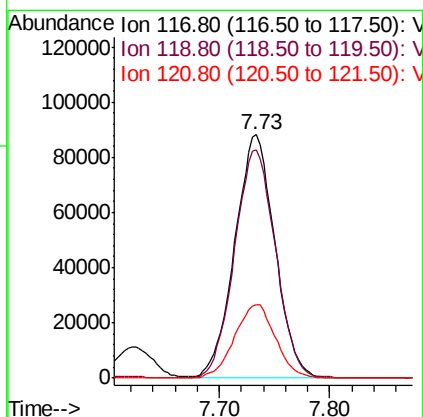
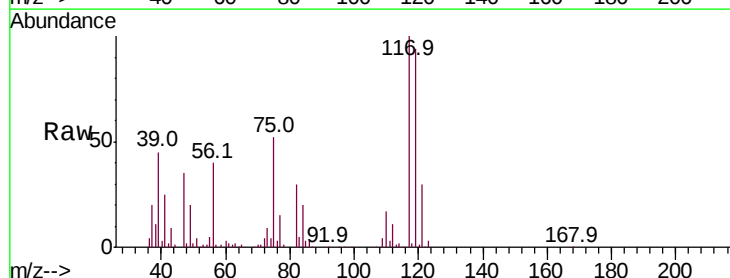
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

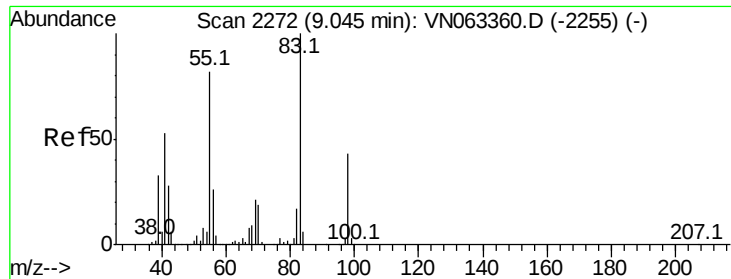
Tot Ion: 43 Resp: 206018
Ion Ratio Lower Upper
43 100
61 13.4 10.6 15.8
70 9.0 7.2 10.8



#38
Carbon Tetrachloride
Concen: 52.180 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN063698.D
Acq: 28 Sep 2020 11:59

Tgt Ion: 117 Resp: 221308
Ion Ratio Lower Upper
117 100
119 94.1 74.5 111.7
121 30.4 24.1 36.1

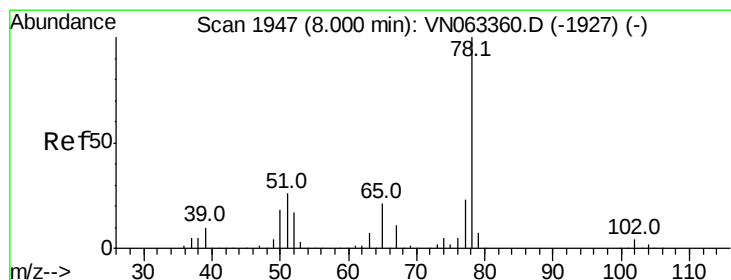
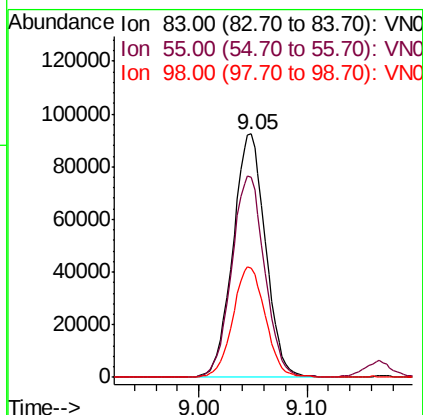
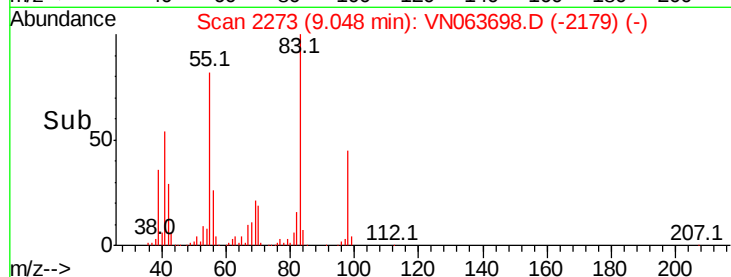
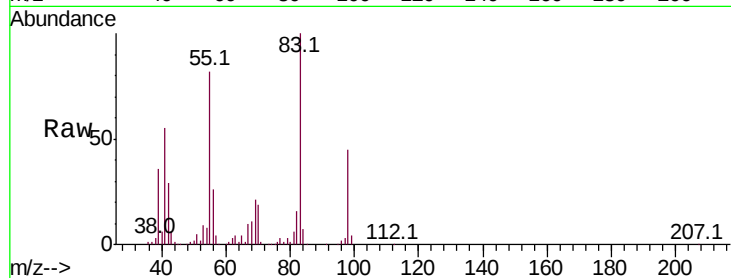




#39
Methylcyclohexane
Concen: 43.095 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN063698.D
Acq: 28 Sep 2020 11:59

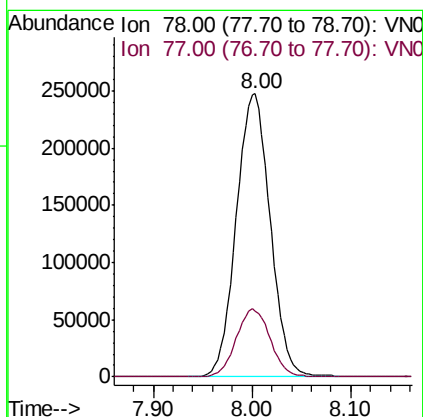
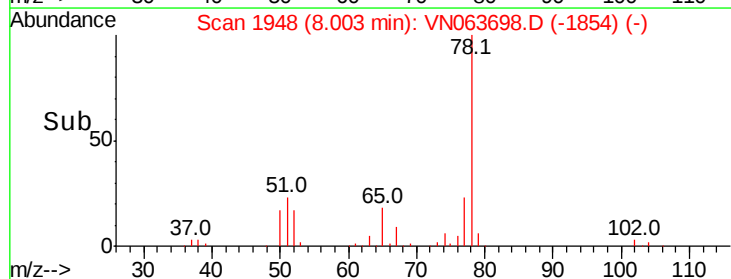
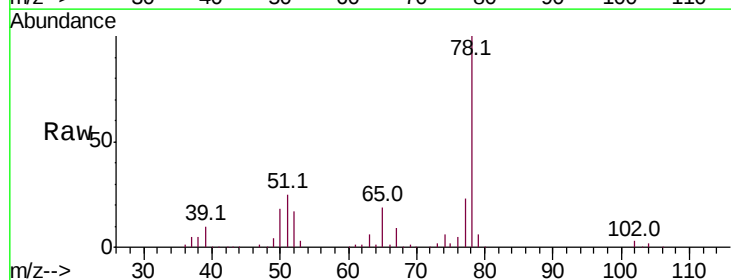
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

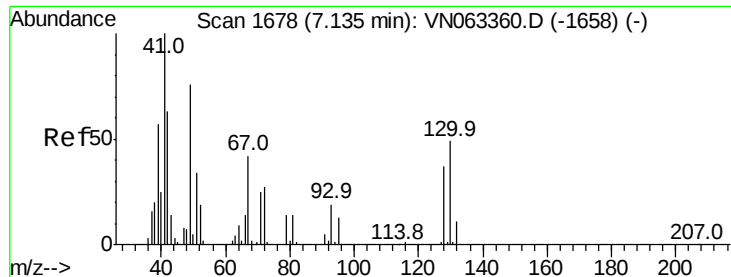
Tot Ion: 83 Resp: 194331
Ion Ratio Lower Upper
83 100
55 82.3 65.5 98.3
98 45.0 34.2 51.4



#40
Benzene
Concen: 49.767 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063698.D
Acq: 28 Sep 2020 11:59

Tgt Ion: 78 Resp: 590261
Ion Ratio Lower Upper
78 100
77 23.4 18.3 27.5

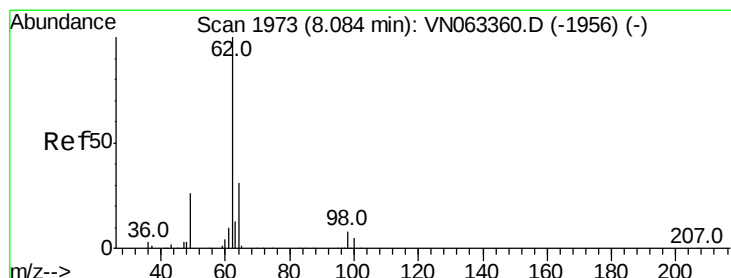
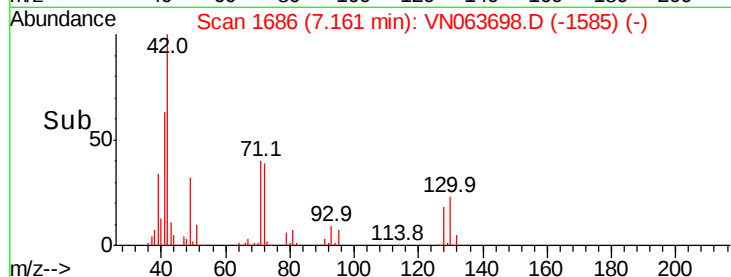
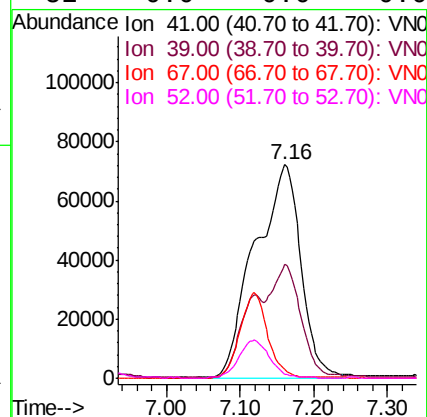
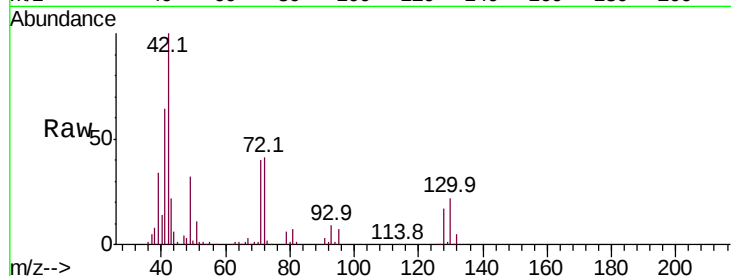




#41
Methacrylonitrile
Concen: 171.079 ug/l
RT: 7.16 min Scan# 1686
Delta R.T. 0.03 min
Lab File: VN063698.D
Acq: 28 Sep 2020 11:59

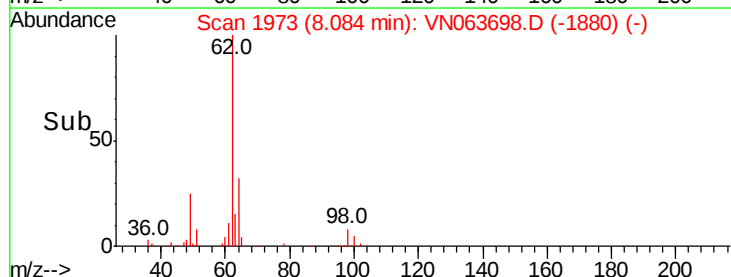
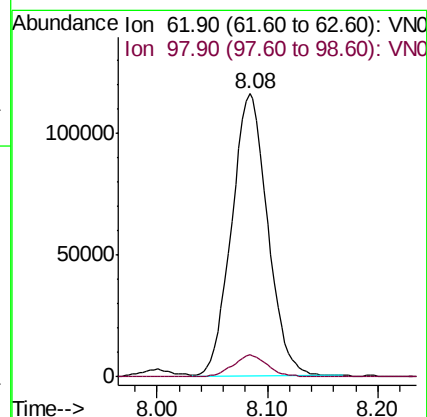
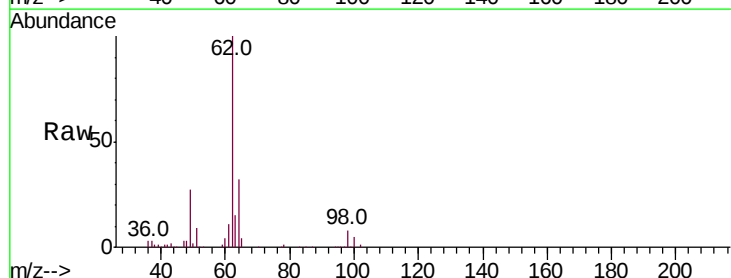
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

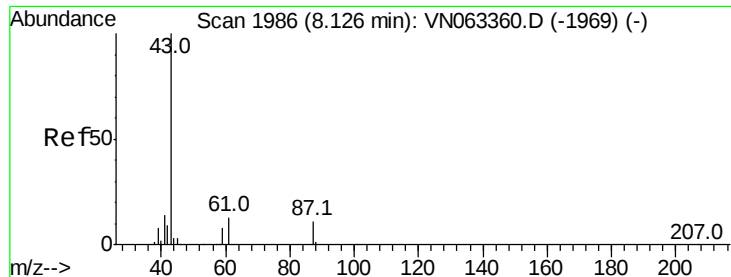
Tot Ion:	41	Resp:	313766
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 55.038 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN063698.D
Acq: 28 Sep 2020 11:59

Tgt Ion:	62	Resp:	262516
Ion	Ratio	Lower	Upper
62	100		
98	7.5	0.0	15.6





#43

Isopropyl Acetate

Concen: 49.831 ug/l

RT: 8.12 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

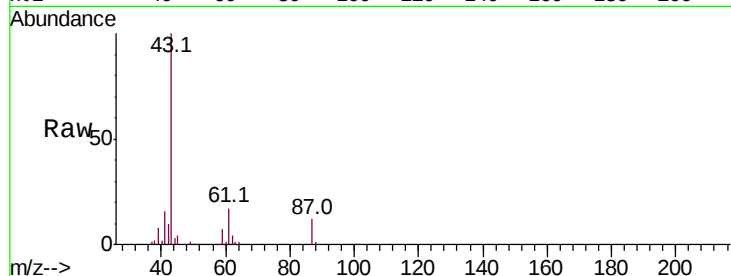
Tot Ion: 43 Resp: 363341

Ion Ratio Lower Upper

43 100

61 18.0 14.2 21.2

87 11.8 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VN063360.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN063360.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN063360.D (-1969) (-)

8.12

200000

150000

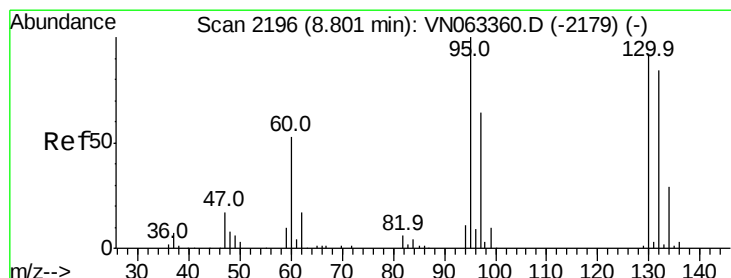
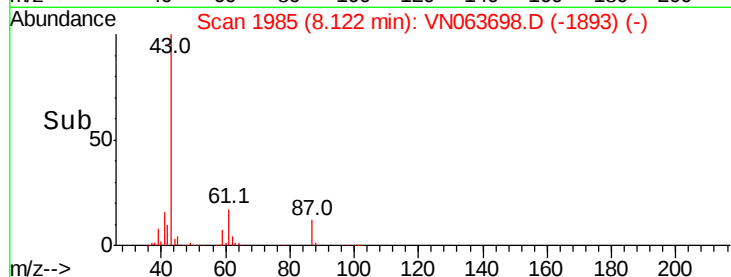
100000

50000

0

8.00 8.05 8.10 8.15 8.20

Time-->



#44

Trichloroethene

Concen: 50.668 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN063698.D

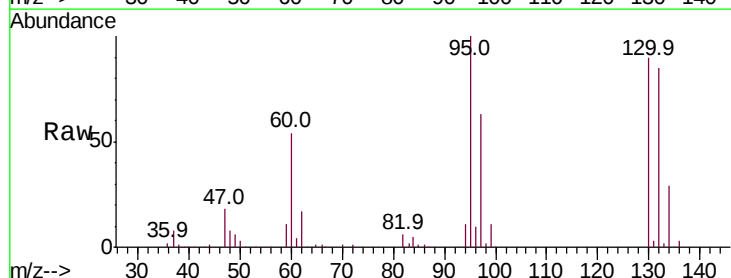
Acq: 28 Sep 2020 11:59

Tgt Ion:130 Resp: 145758

Ion Ratio Lower Upper

130 100

95 110.6 0.0 217.4



Abundance Ion 129.80 (129.50 to 130.50): VN063360.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN063360.D (-2179) (-)

8.80

80000

60000

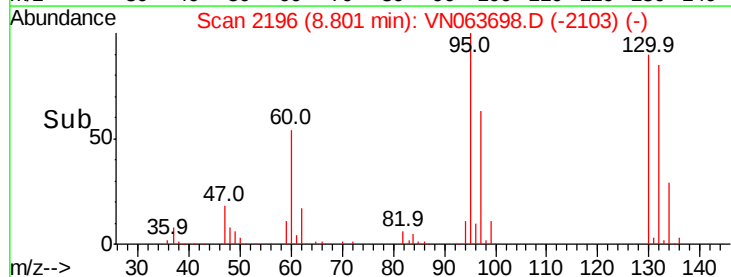
40000

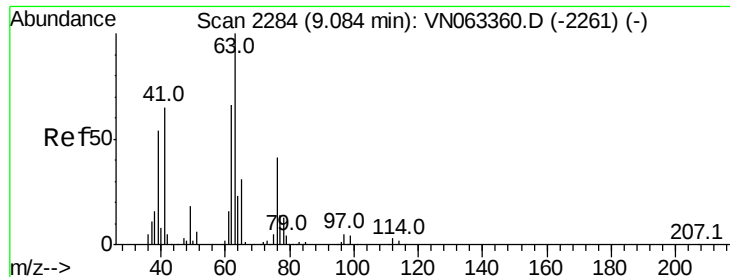
20000

0

8.70 8.75 8.80 8.85

Time-->





#45

1,2-Dichloropropane

Concen: 51.761 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

Instrument :

MSVOA_N

ClientSampleId :

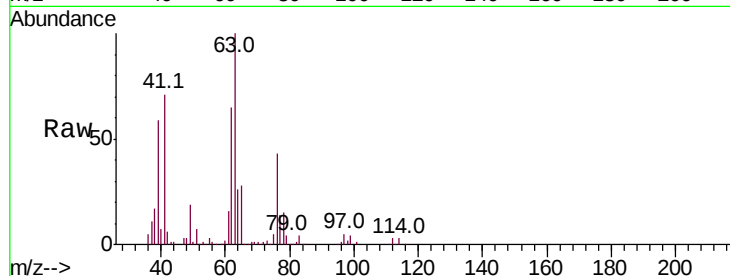
VSTDCCC050

Tot Ion: 63 Resp: 167204

Ion Ratio Lower Upper

63 100

65 28.4 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

80000

60000

40000

20000

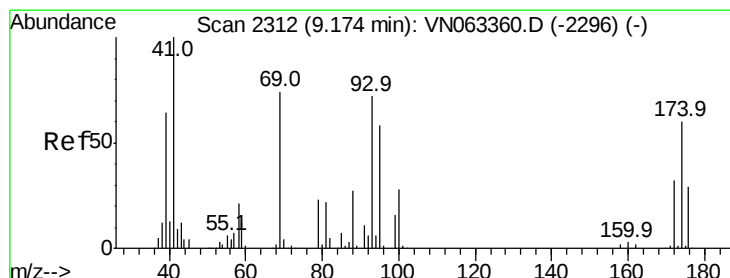
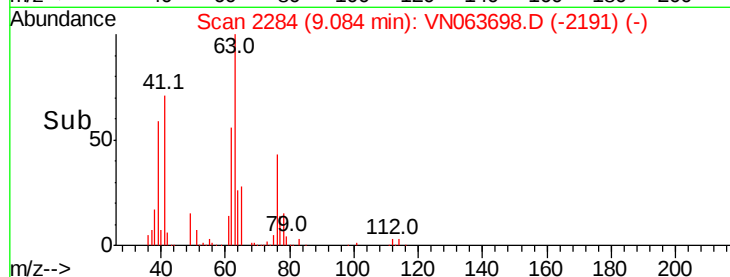
0

9.08

9.10

9.20

Time-->



#46

Dibromomethane

Concen: 53.811 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

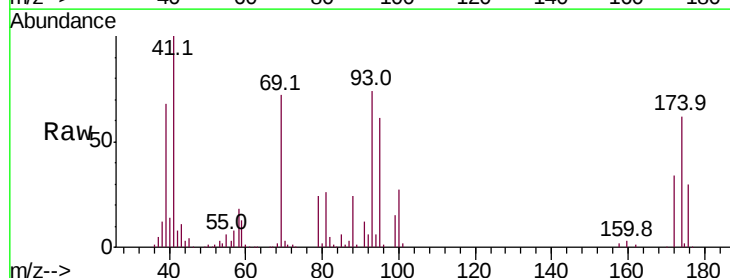
Tgt Ion: 93 Resp: 114249

Ion Ratio Lower Upper

93 100

95 83.5 65.6 98.4

174 86.5 68.1 102.1



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

60000

40000

20000

0

9.17

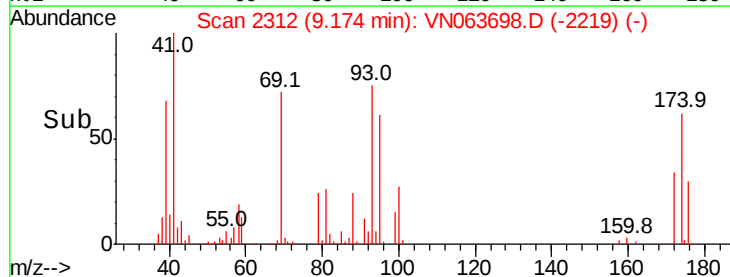
9.15

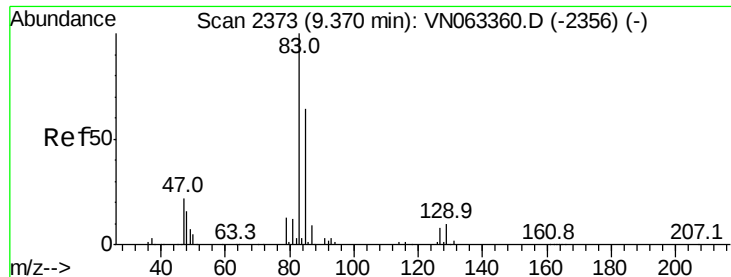
9.20

9.25

9.30

Time-->





#47

Bromodichloromethane

Concen: 54.939 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

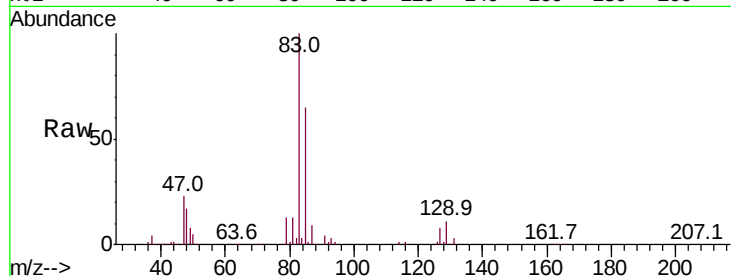
Tot Ion: 83 Resp: 242323

Ion Ratio Lower Upper

83 100

85 65.0 51.0 76.6

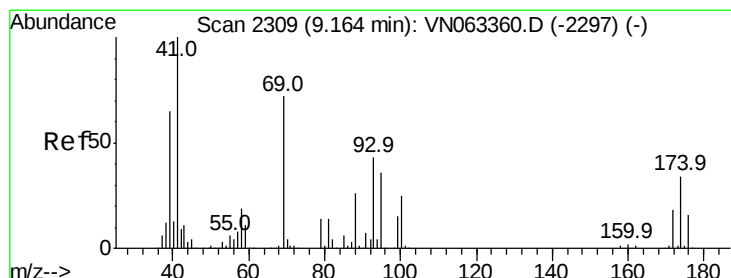
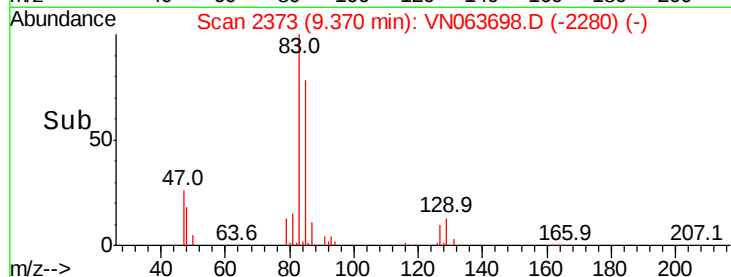
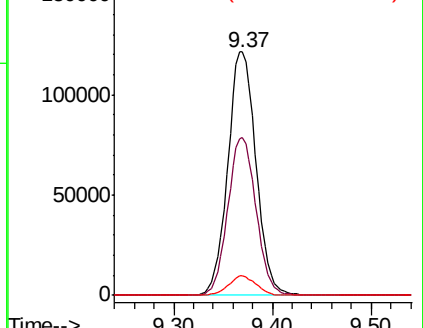
127 8.1 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VN063360.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN063360.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN063360.D (-2356) (-)



#48

Methyl methacrylate

Concen: 49.884 ug/l

RT: 9.16 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

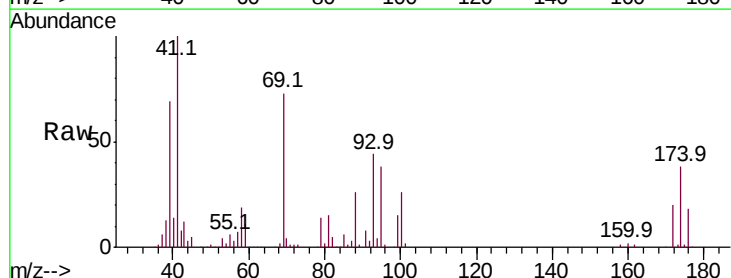
Tgt Ion: 41 Resp: 178702

Ion Ratio Lower Upper

41 100

69 75.5 59.3 88.9

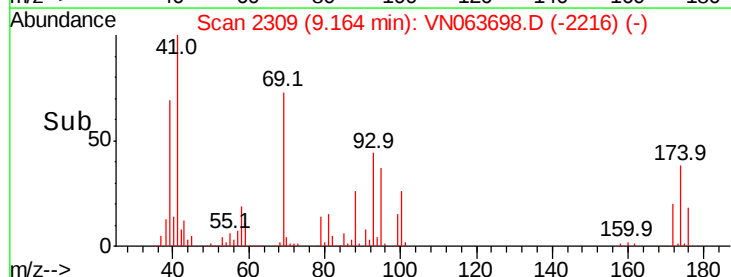
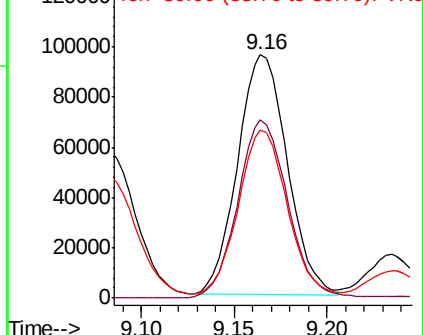
39 69.9 52.9 79.3

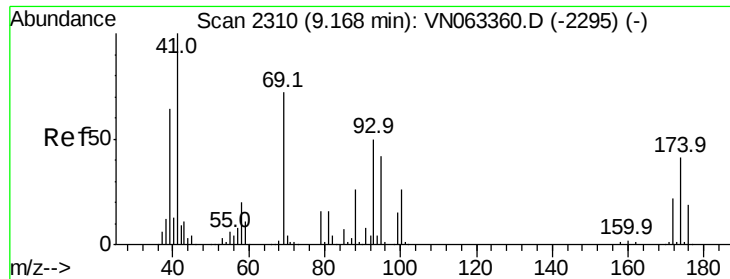


Abundance Ion 41.00 (40.70 to 41.70): VN063360.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN063360.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN063360.D (-2297) (-)





#49

1,4-Dioxane

Concen: 1006.997 ug/l

RT: 9.16 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

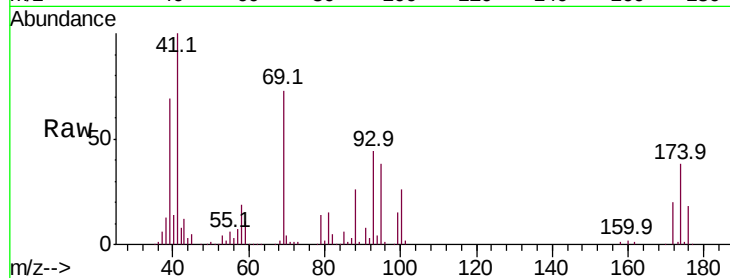
Tot Ion: 88 Resp: 51769

Ion Ratio Lower Upper

88 100

43 40.1 32.6 49.0

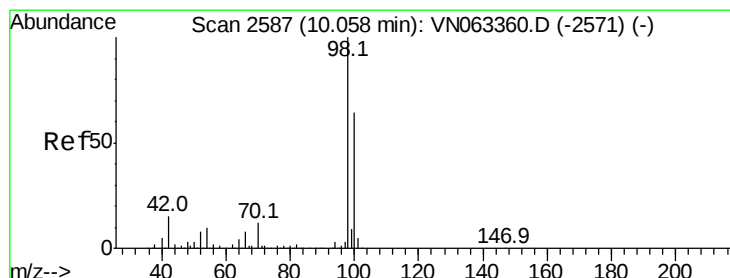
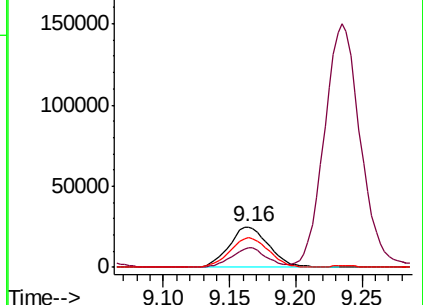
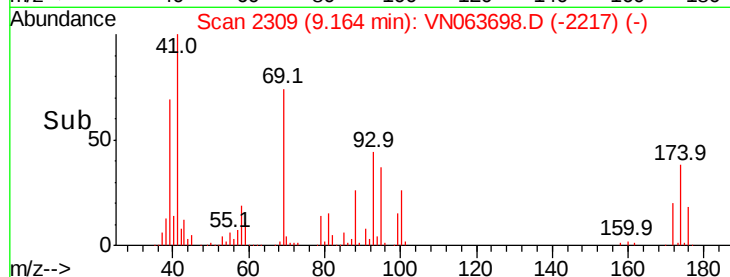
58 71.8 60.0 90.0



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: 53.102 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN063698.D

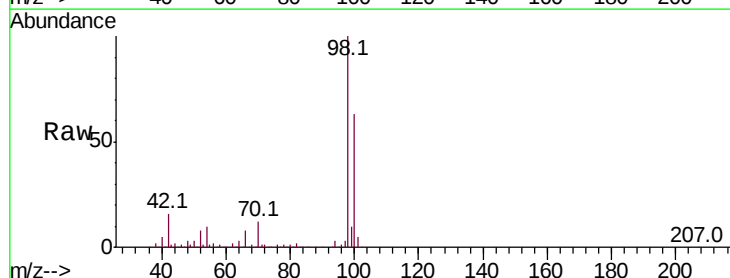
Acq: 28 Sep 2020 11:59

Tgt Ion: 98 Resp: 539091

Ion Ratio Lower Upper

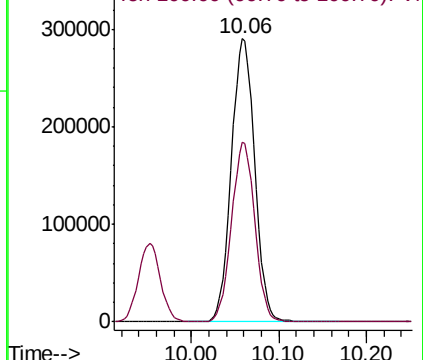
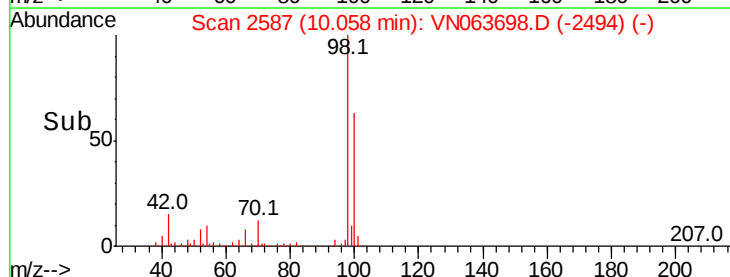
98 100

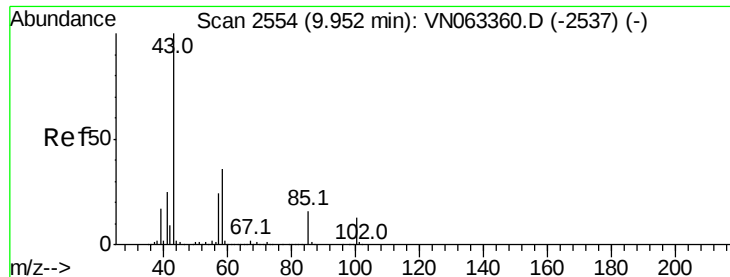
100 62.9 50.7 76.1



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: 268.508 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

Instrument :

MSVOA_N

ClientSampleId :

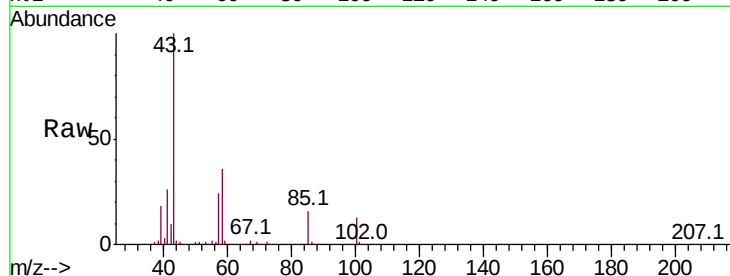
VSTDCCC050

Tot Ion: 43 Resp: 1096063

Ion Ratio Lower Upper

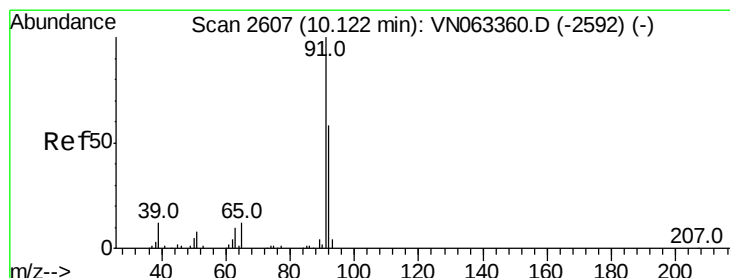
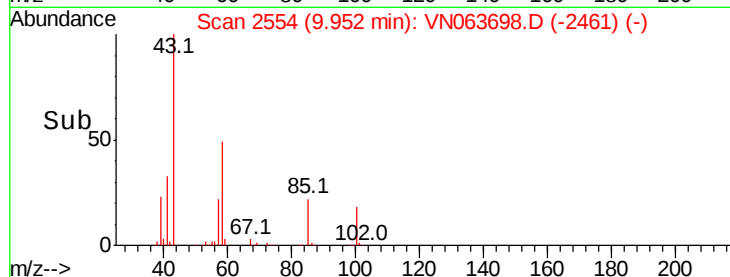
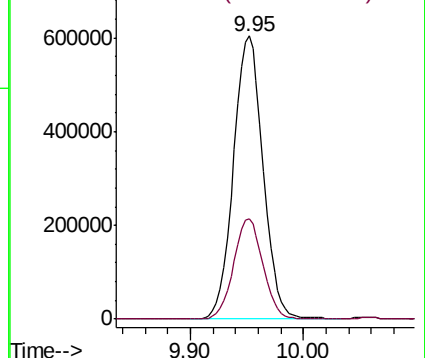
43 100

58 35.3 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 53.025 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN063698.D

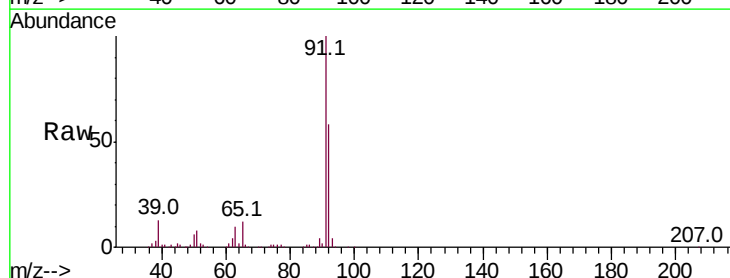
Acq: 28 Sep 2020 11:59

Tgt Ion: 92 Resp: 378122

Ion Ratio Lower Upper

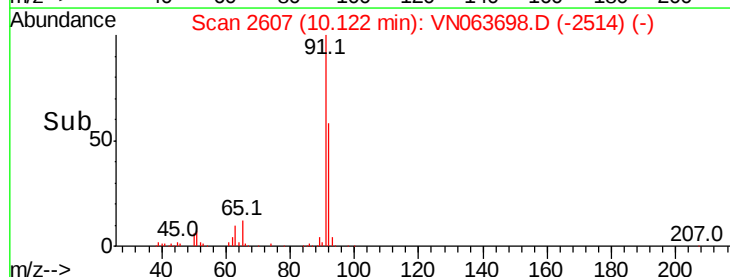
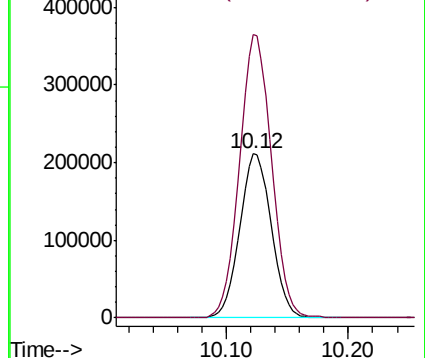
92 100

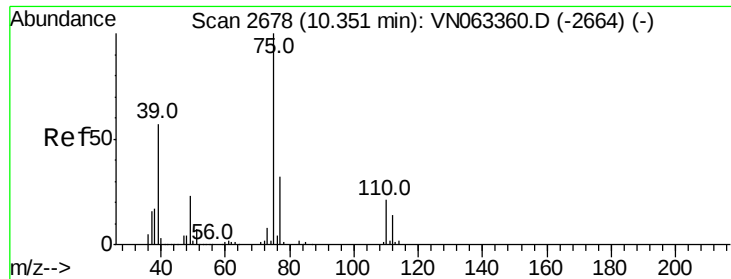
91 174.6 139.7 209.5



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 53.268 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

Instrument :

MSVOA_N

ClientSampleId :

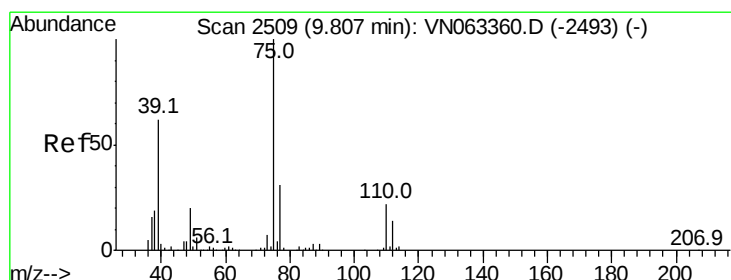
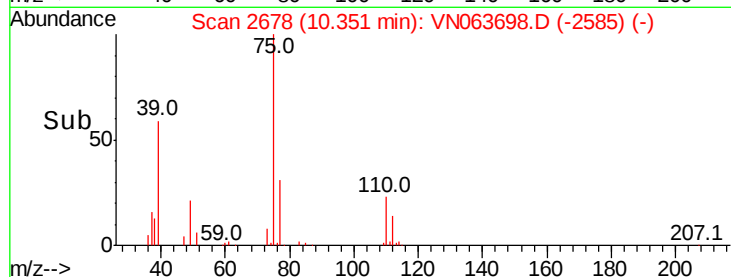
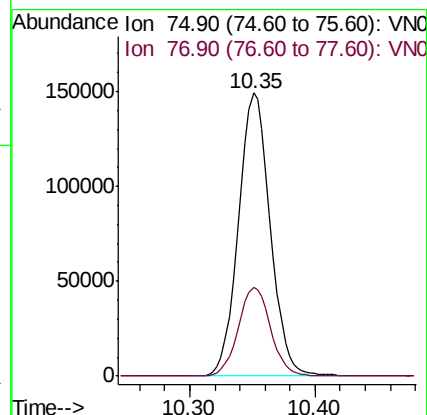
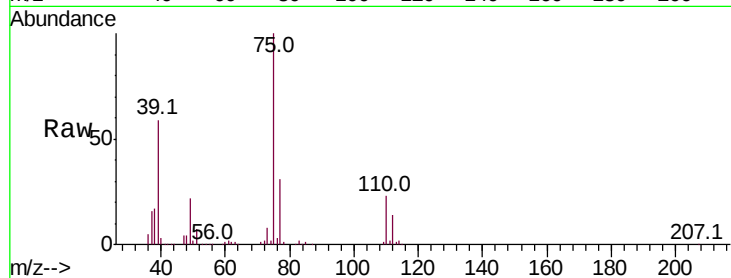
VSTDCCC050

Tot Ion: 75 Resp: 262300

Ion Ratio Lower Upper

75 100

77 31.2 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 52.261 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

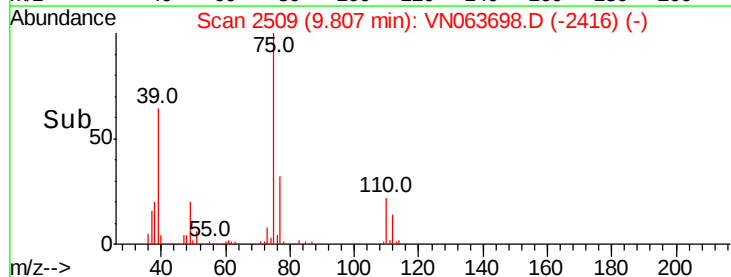
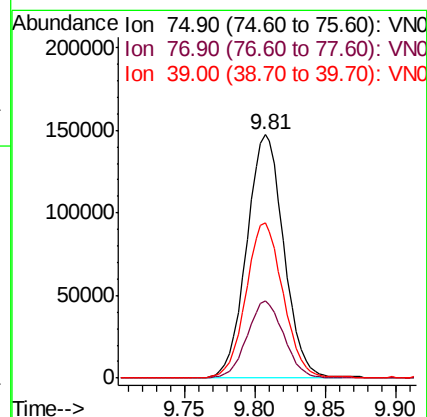
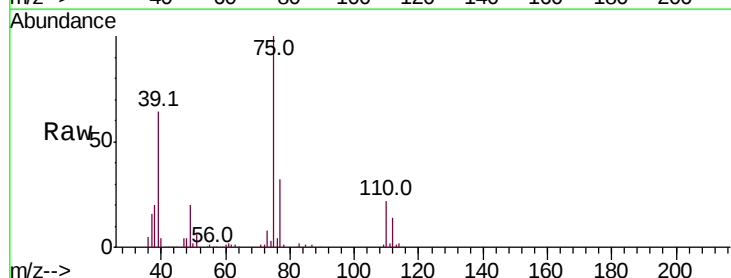
Tgt Ion: 75 Resp: 271440

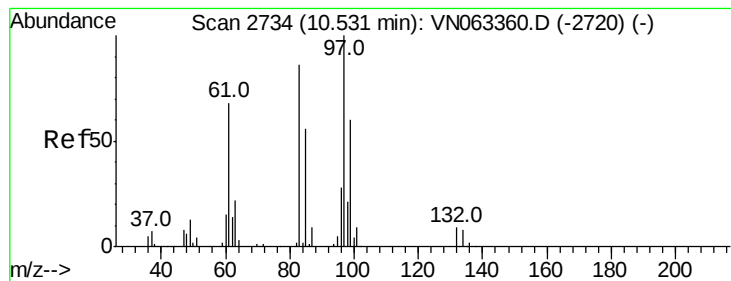
Ion Ratio Lower Upper

75 100

77 31.7 24.6 37.0

39 63.5 49.8 74.8





#55

1,1,2-Trichloroethane

Concen: 56.346 ug/l

RT: 10.53 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 159599

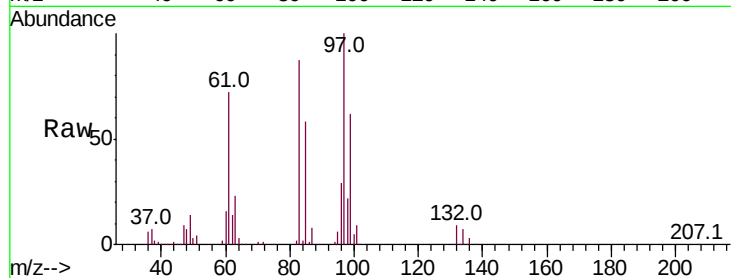
Ion Ratio Lower Upper

97 100

83 87.2 68.9 103.3

85 58.0 44.8 67.2

99 61.9 47.8 71.8

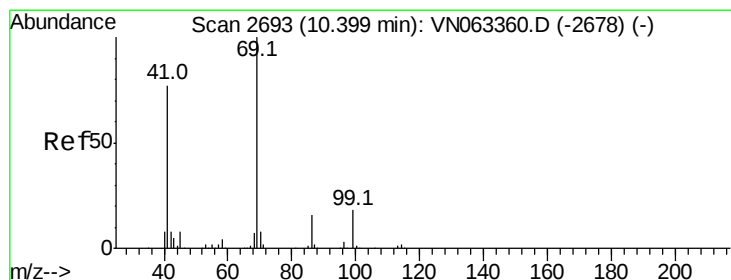
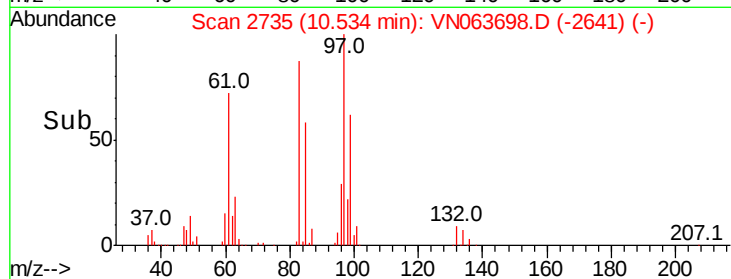
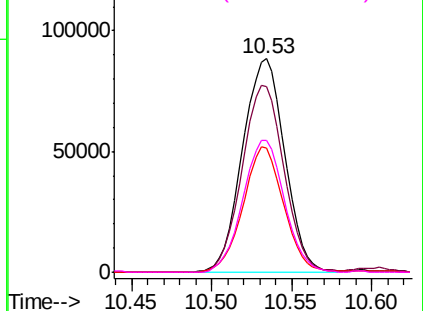


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 52.588 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. -0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

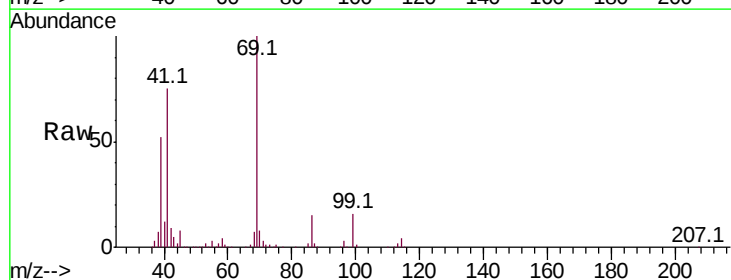
Tgt Ion: 69 Resp: 232534

Ion Ratio Lower Upper

69 100

41 75.5 61.0 91.6

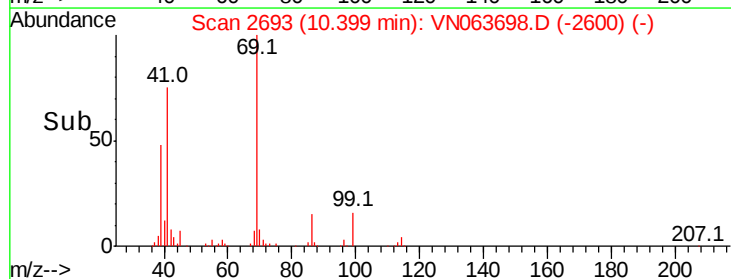
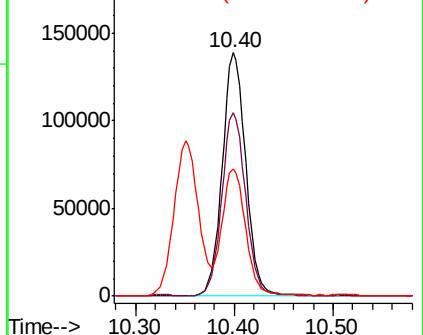
39 51.7 39.2 58.8

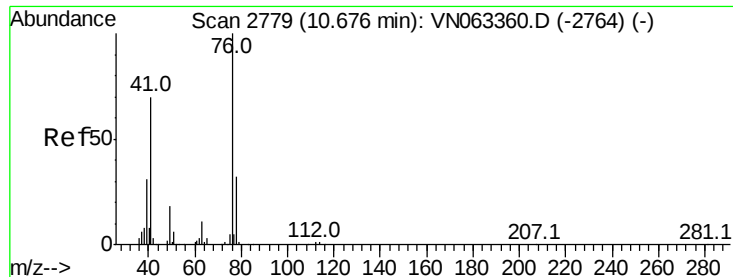


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 52.318 ug/l

RT: 10.68 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

Instrument :

MSVOA_N

ClientSampleId :

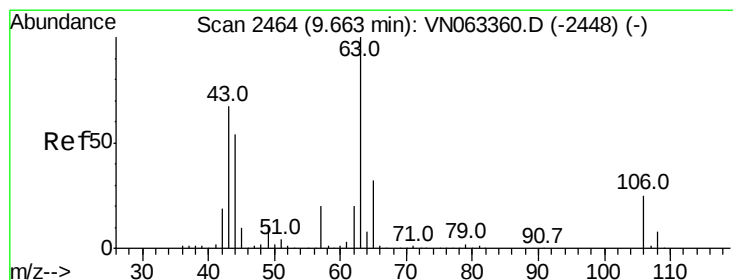
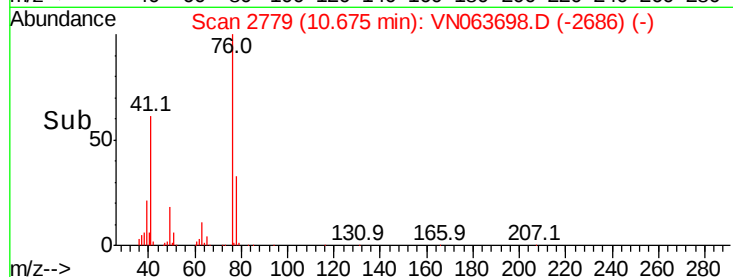
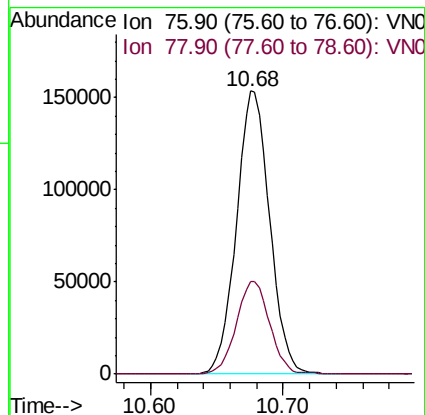
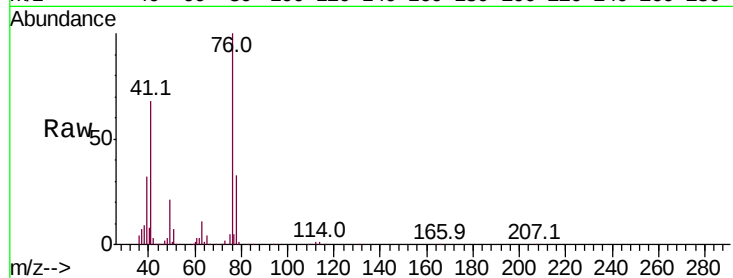
VSTDCCC050

Tot Ion: 76 Resp: 267235

Ion Ratio Lower Upper

76 100

78 33.1 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 254.319 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN063698.D

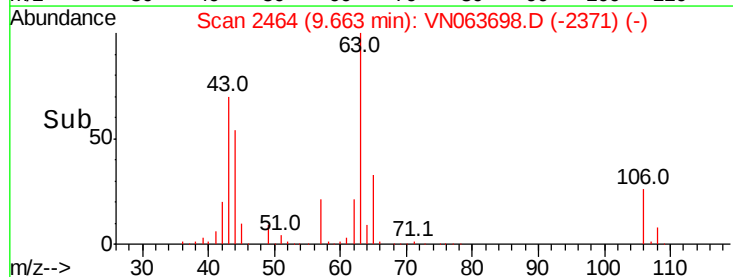
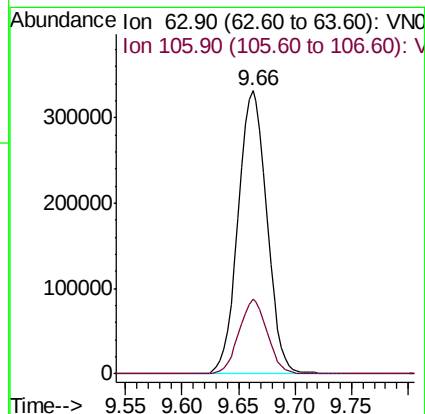
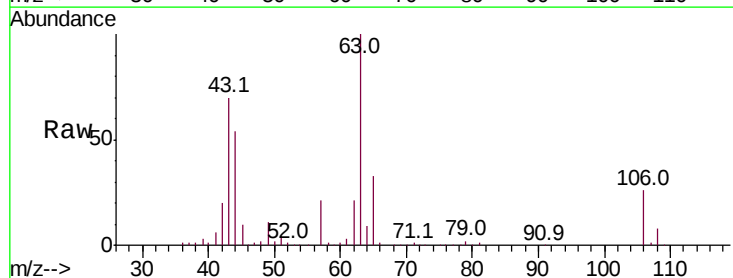
Acq: 28 Sep 2020 11:59

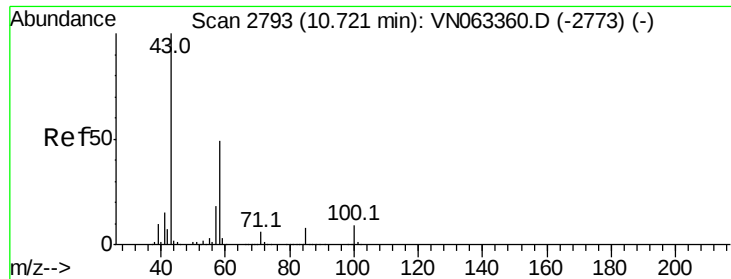
Tgt Ion: 63 Resp: 589914

Ion Ratio Lower Upper

63 100

106 25.8 19.5 29.3

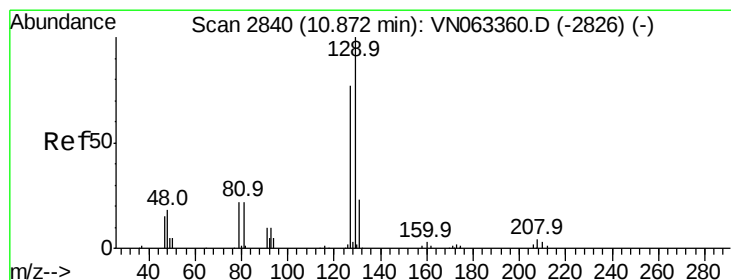
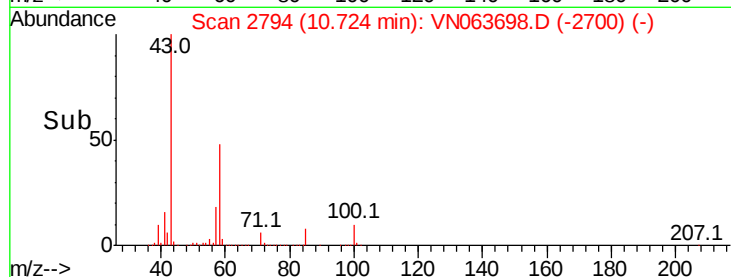
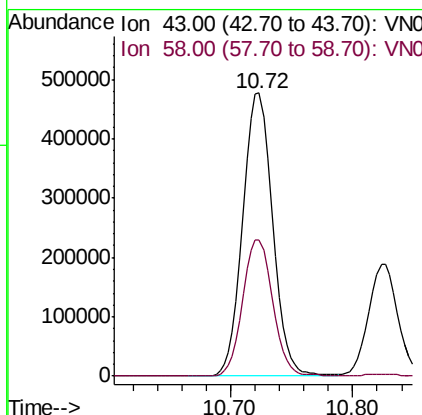
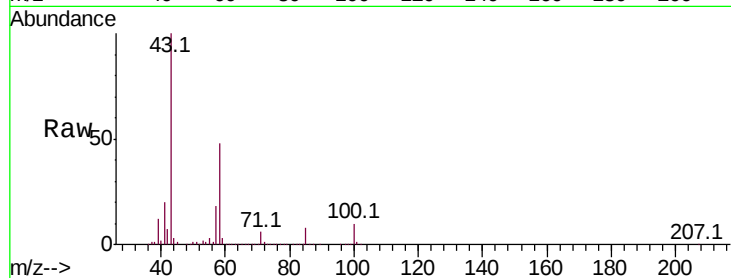




#59
2-Hexanone
Concen: 271.871 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063698.D
Acq: 28 Sep 2020 11:59

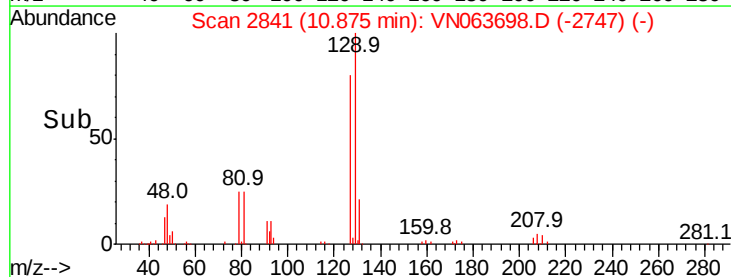
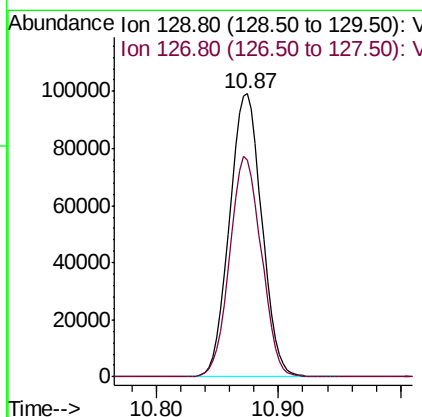
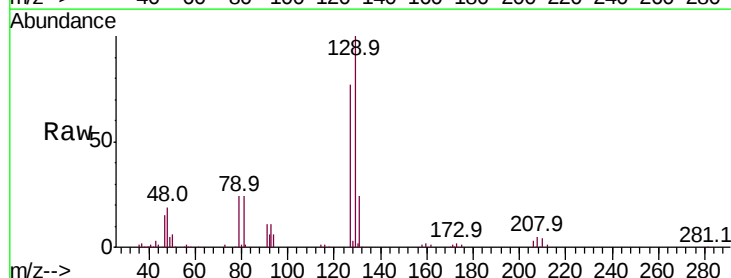
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

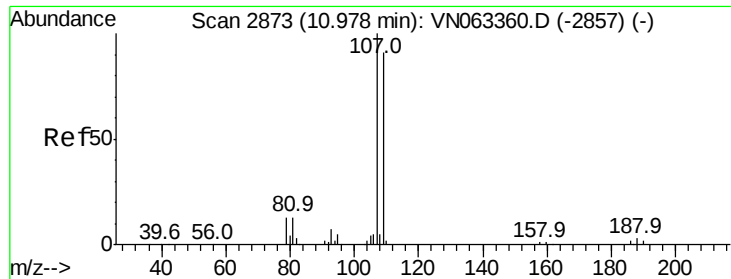
Tot Ion: 43 Resp: 804014
Ion Ratio Lower Upper
43 100
58 48.5 24.7 74.1



#60
Dibromochloromethane
Concen: 57.296 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN063698.D
Acq: 28 Sep 2020 11:59

Tgt Ion: 129 Resp: 183342
Ion Ratio Lower Upper
129 100
127 76.1 39.1 117.3

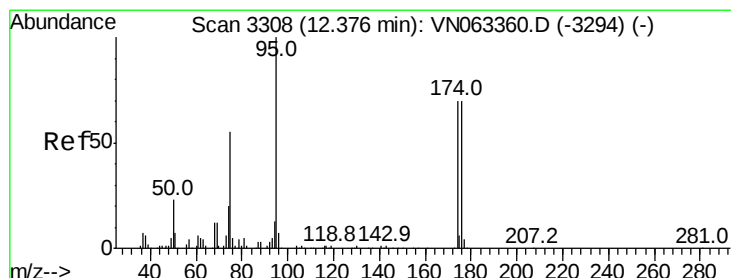
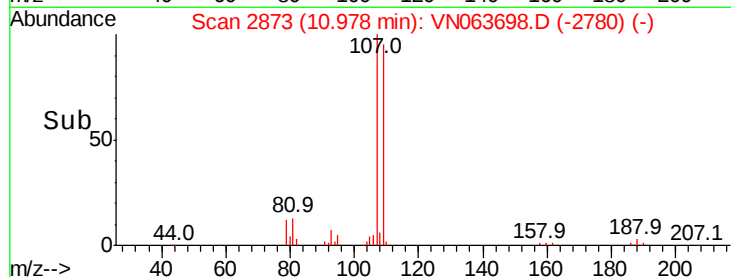
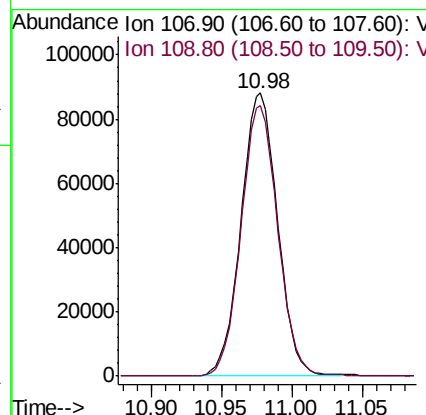
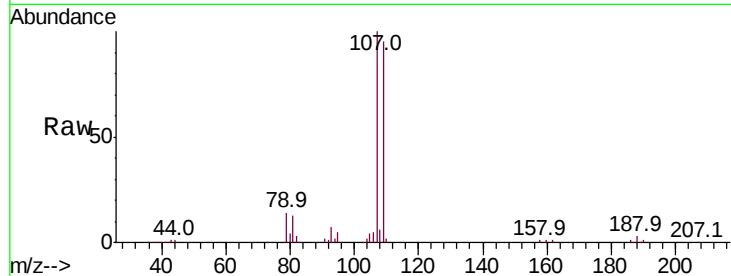




#61
 1,2-Dibromoethane
 Concen: 54.439 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. -0.00 min
 Lab File: VN063698.D
 Acq: 28 Sep 2020 11:59

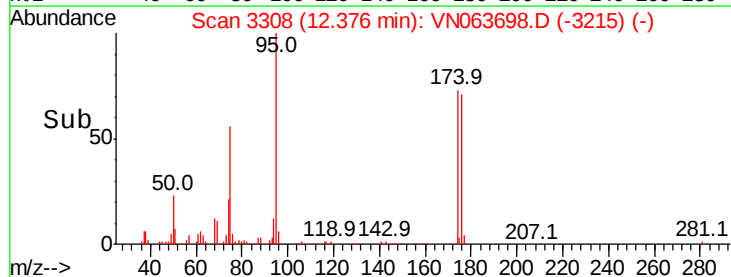
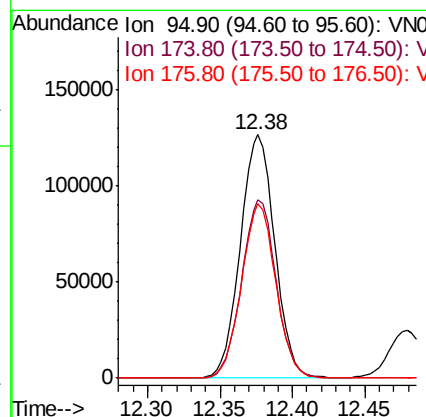
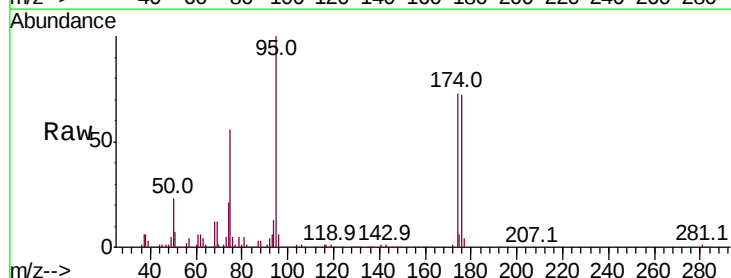
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

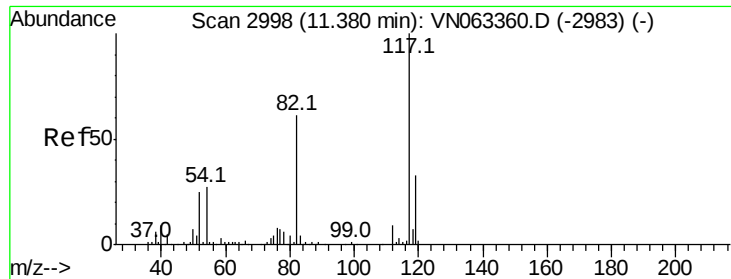
Tot Ion:107 Resp: 160197
 Ion Ratio Lower Upper
 107 100
 109 96.0 74.6 111.8



#62
 4-Bromofluorobenzene
 Concen: 56.224 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: VN063698.D
 Acq: 28 Sep 2020 11:59

Tgt Ion: 95 Resp: 209240
 Ion Ratio Lower Upper
 95 100
 174 73.7 0.0 140.8
 176 71.3 0.0 137.6

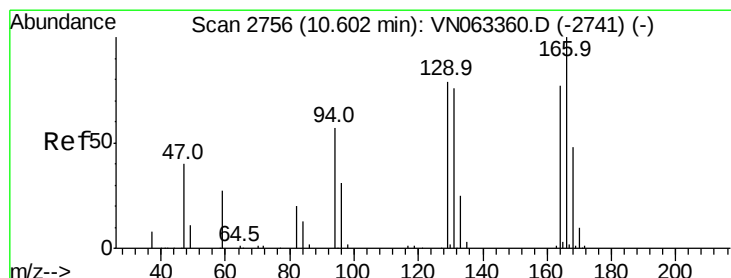
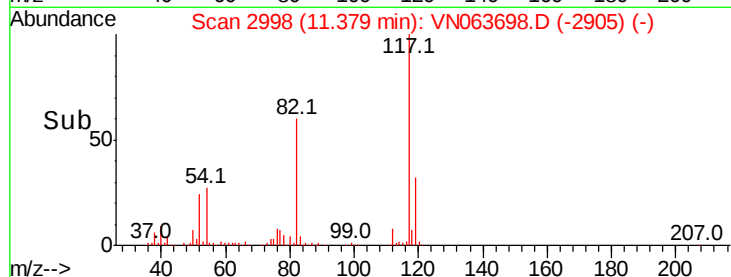
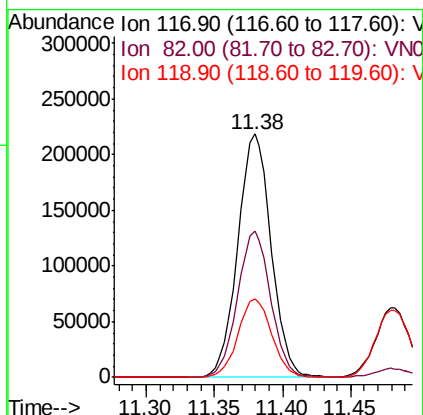
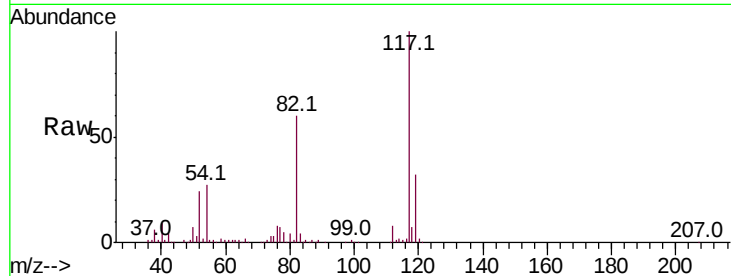




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063698.D
Acq: 28 Sep 2020 11:59

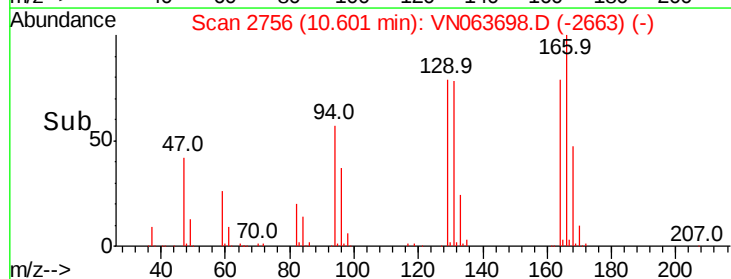
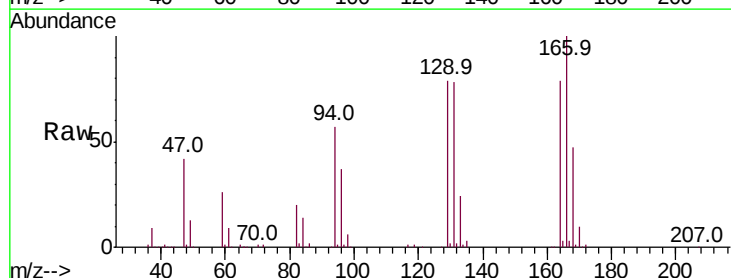
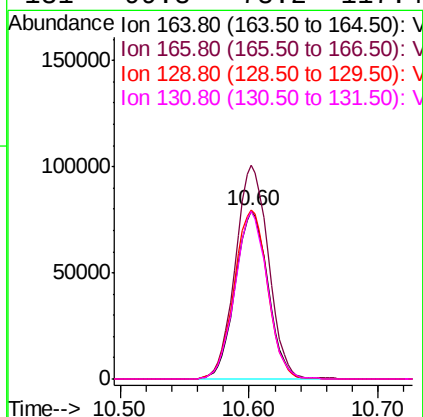
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

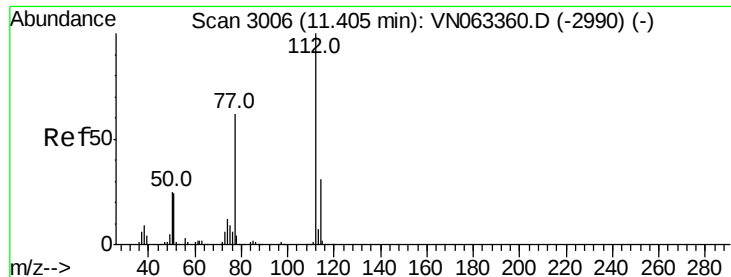
Tot Ion	Ratio	Lower	Upper
117	100		
82	59.9	49.2	73.8
119	32.1	26.2	39.4



#64
Tetrachloroethene
Concen: 55.281 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN063698.D
Acq: 28 Sep 2020 11:59

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.3	103.4	155.0
129	100.7	81.8	122.6
131	99.8	78.2	117.4

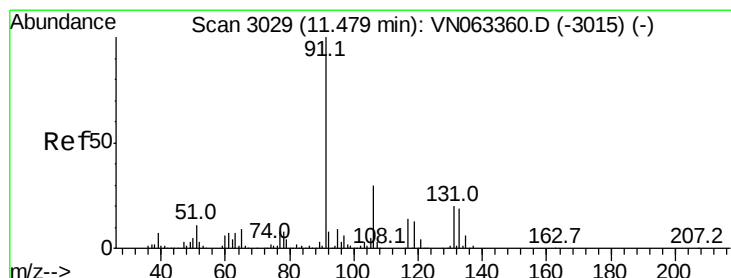
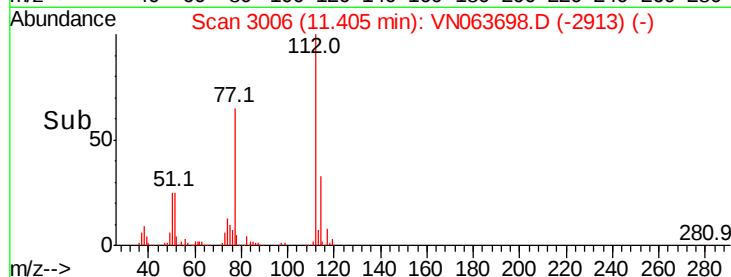
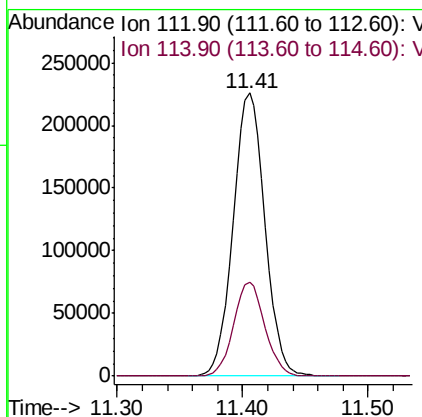
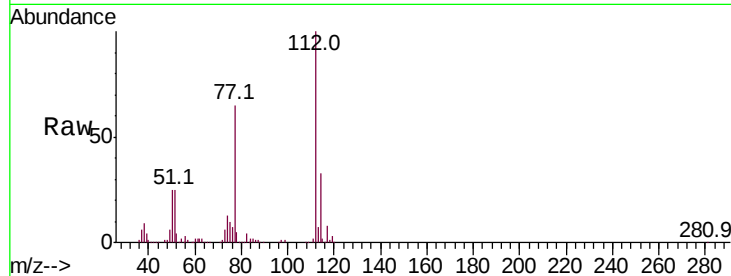




#65
Chlorobenzene
Concen: 50.245 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN063698.D
Acq: 28 Sep 2020 11:59

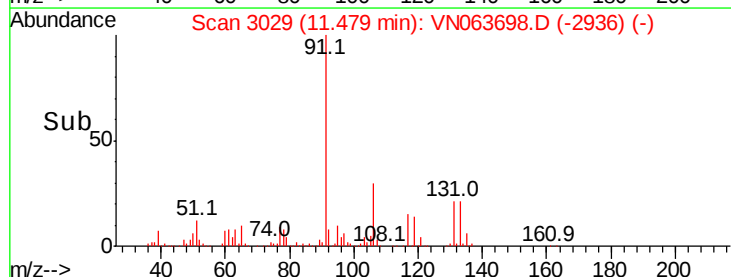
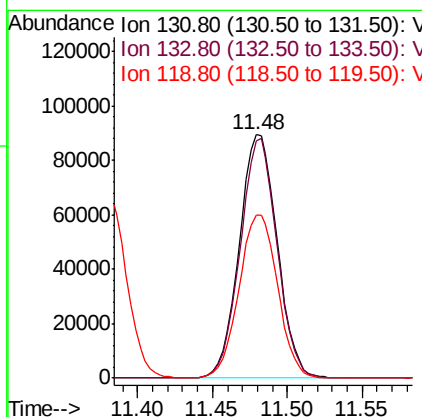
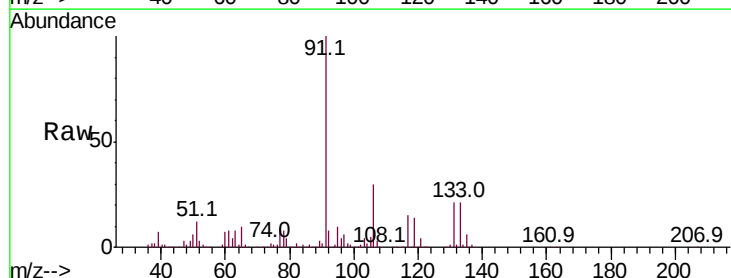
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

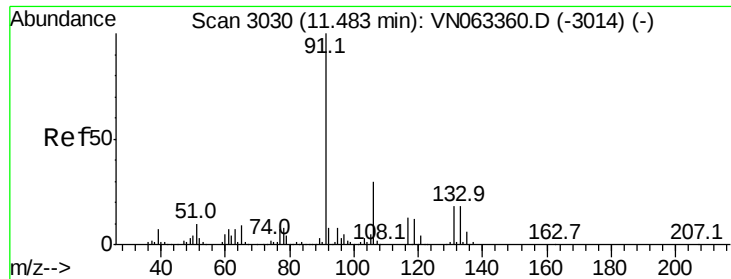
Tot Ion:112 Resp: 396297
Ion Ratio Lower Upper
112 100
114 33.4 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 54.523 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN063698.D
Acq: 28 Sep 2020 11:59

Tgt Ion:131 Resp: 157636
Ion Ratio Lower Upper
131 100
133 95.6 47.3 141.9
119 68.6 33.6 100.8





#67

Ethyl Benzene

Concen: 50.145 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. -0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

Instrument :

MSVOA_N

ClientSampleId :

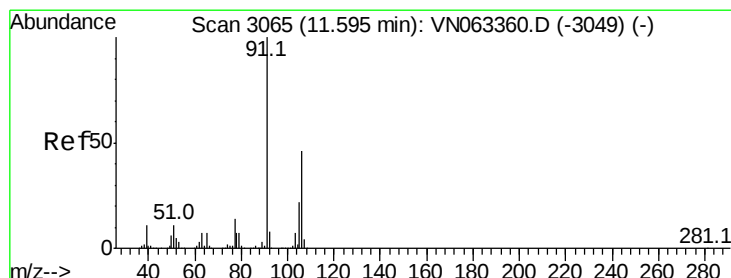
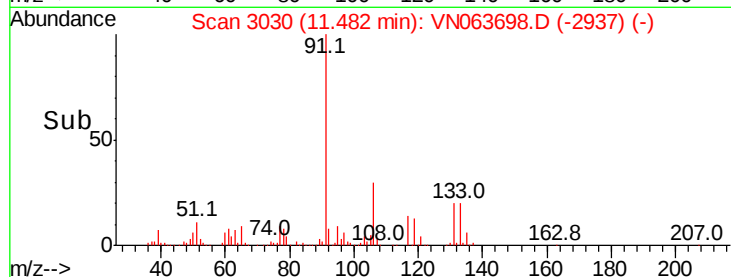
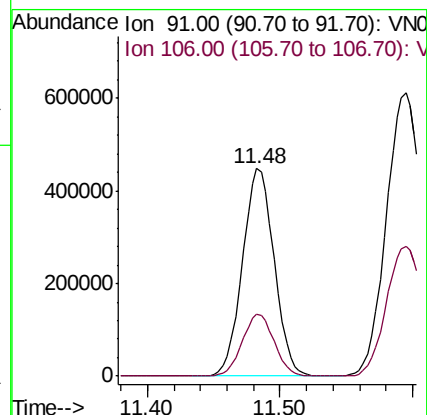
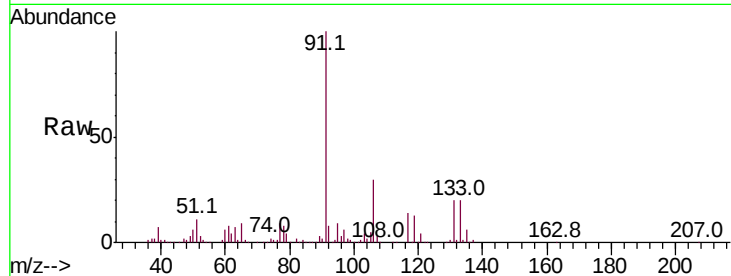
VSTDCCC050

Tot Ion: 91 Resp: 744805

Ion Ratio Lower Upper

91 100

106 29.9 23.8 35.6



#68

m/p-Xylenes

Concen: 102.530 ug/l

RT: 11.59 min Scan# 3065

Delta R.T. -0.00 min

Lab File: VN063698.D

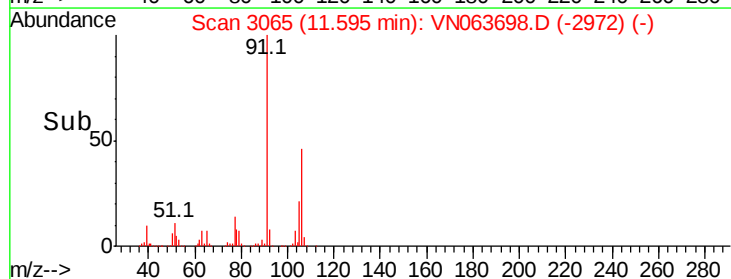
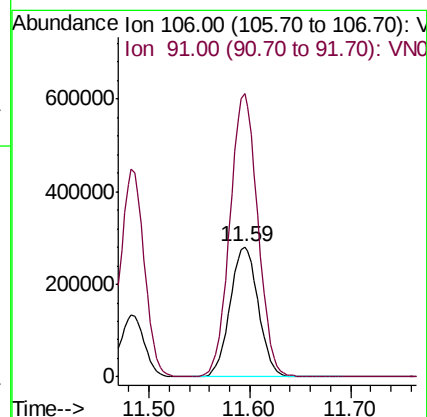
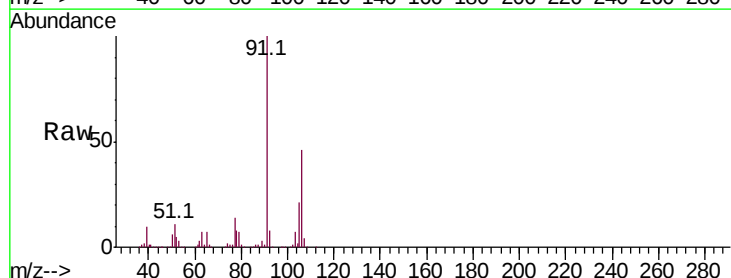
Acq: 28 Sep 2020 11:59

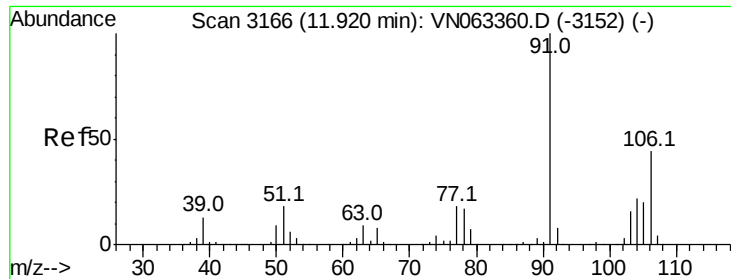
Tgt Ion: 106 Resp: 549083

Ion Ratio Lower Upper

106 100

91 214.0 171.2 256.8

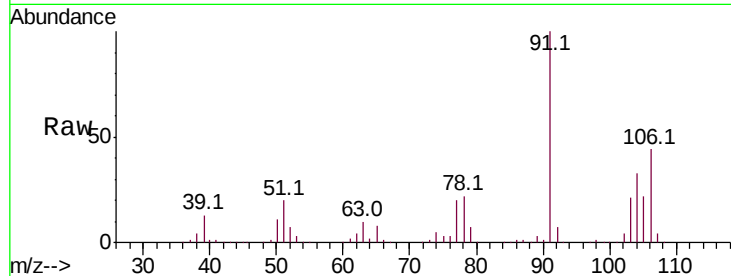




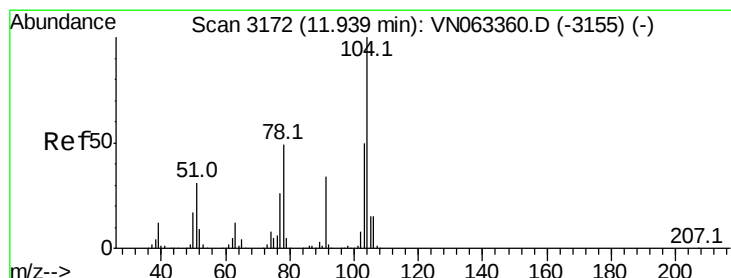
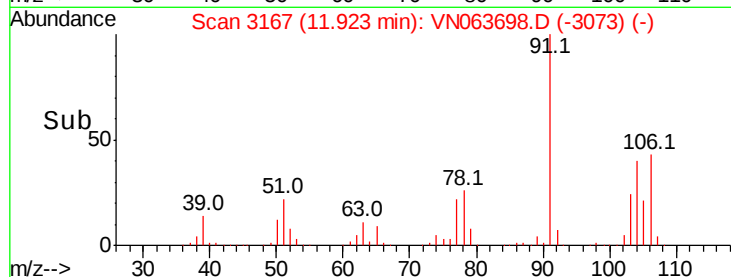
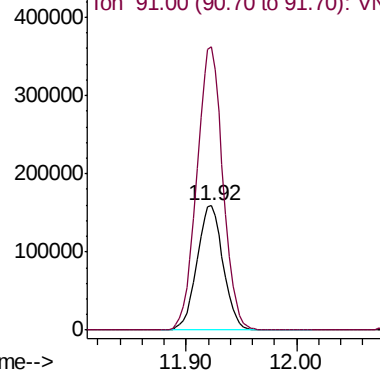
#69
o-Xylene
Concen: 51.406 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063698.D
Acq: 28 Sep 2020 11:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 262247
Ion Ratio Lower Upper
106 100
91 225.9 113.6 340.8

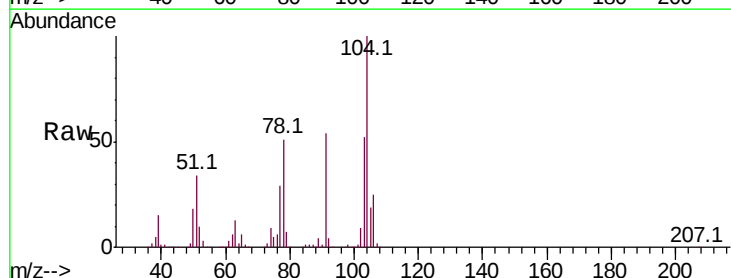


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

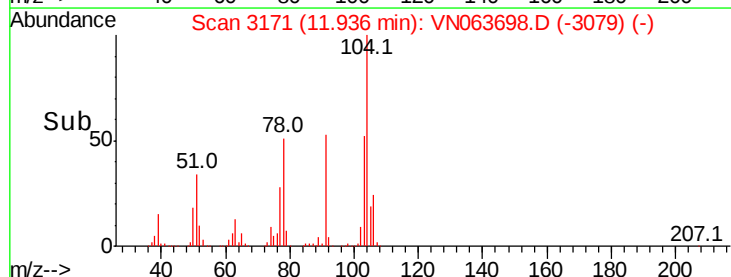
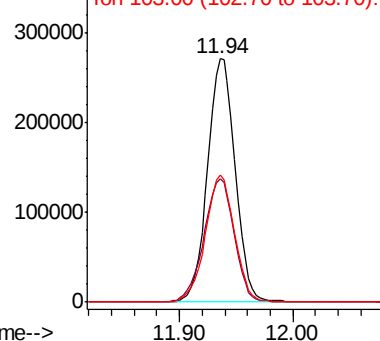


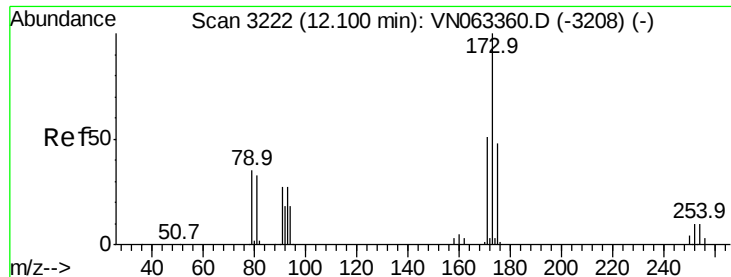
#70
Styrene
Concen: 54.181 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN063698.D
Acq: 28 Sep 2020 11:59

Tgt Ion:104 Resp: 463521
Ion Ratio Lower Upper
104 100
78 55.4 44.4 66.6
103 54.8 43.7 65.5



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

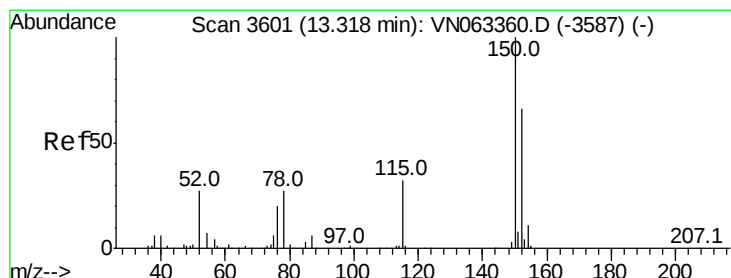
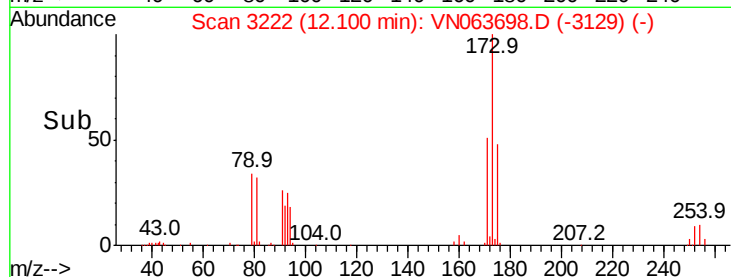
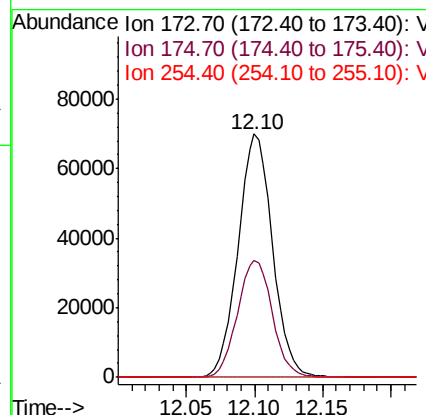
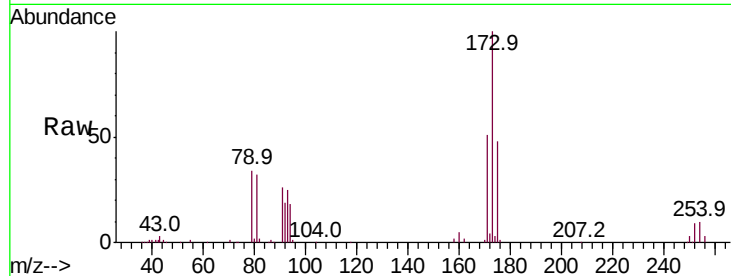




#71
Bromoform
Concen: 56.869 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN063698.D
Acq: 28 Sep 2020 11:59

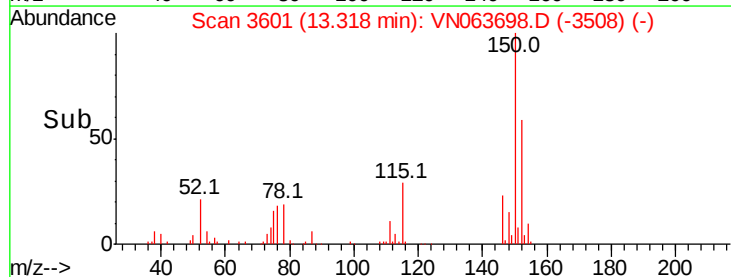
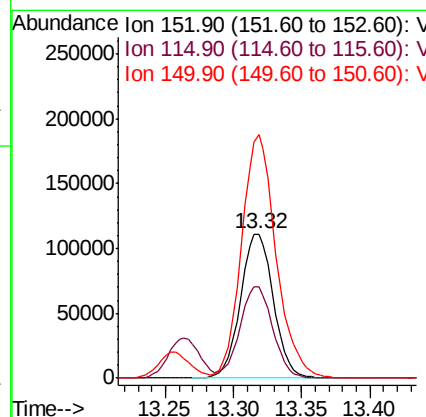
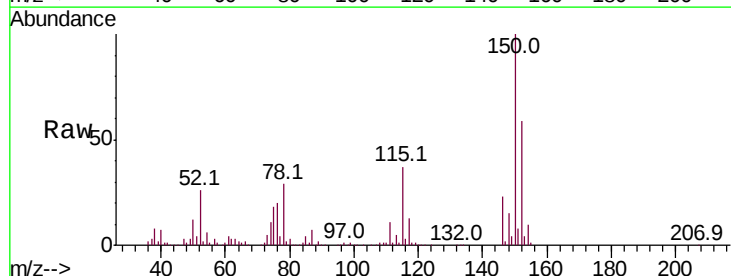
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

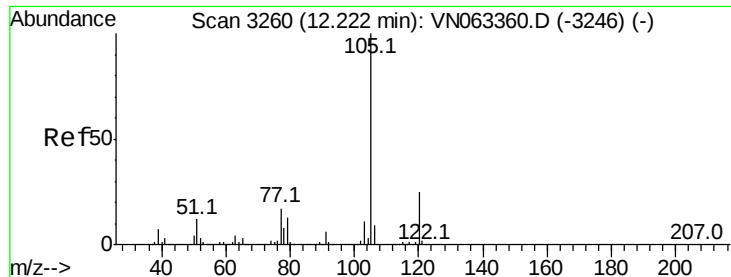
Tot Ion:173 Resp: 122486
Ion Ratio Lower Upper
173 100
175 48.6 24.0 72.0
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. -0.00 min
Lab File: VN063698.D
Acq: 28 Sep 2020 11:59

Tgt Ion:152 Resp: 185801
Ion Ratio Lower Upper
152 100
115 62.9 32.2 96.6
150 177.0 0.0 343.4





#73

Isopropylbenzene

Concen: 47.477 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

Instrument :

MSVOA_N

ClientSampleId :

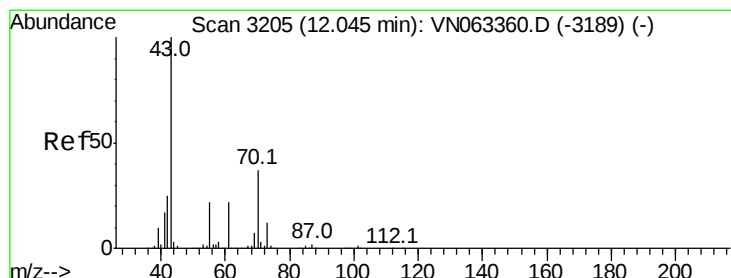
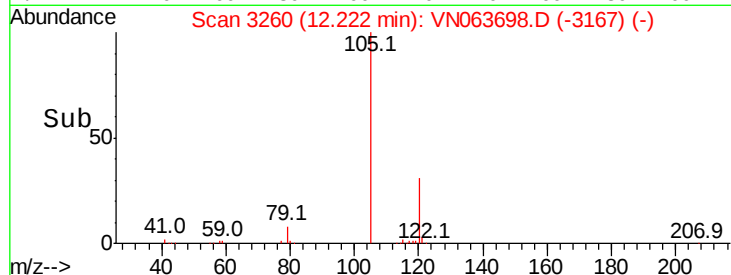
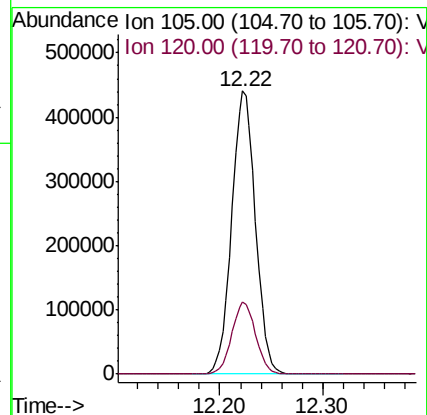
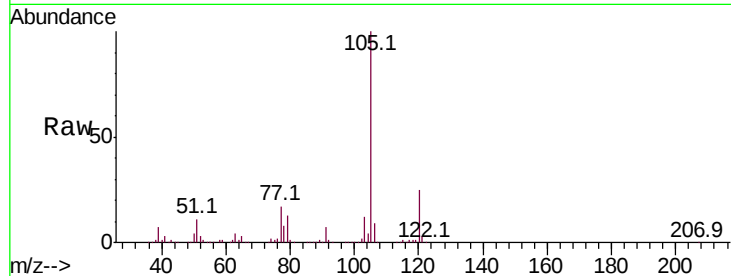
VSTDCCC050

Tot Ion:105 Resp: 706891

Ion Ratio Lower Upper

105 100

120 25.6 12.7 38.0



#74

N-ethyl acetate

Concen: 46.592 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. -0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

Tgt Ion: 43 Resp: 328379

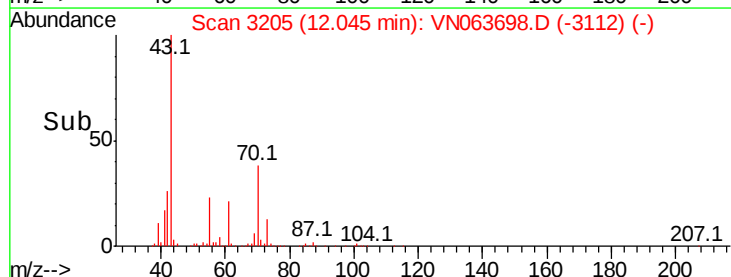
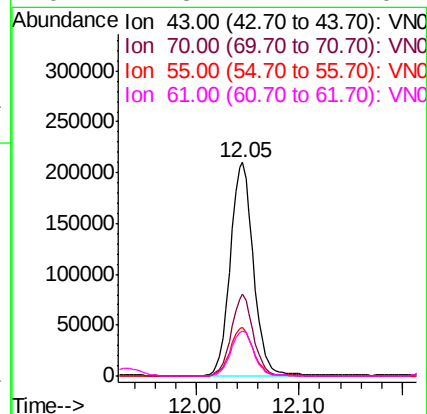
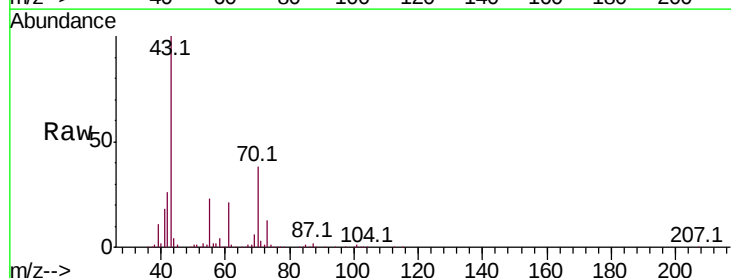
Ion Ratio Lower Upper

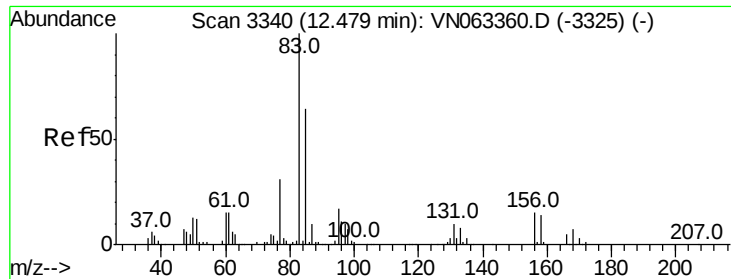
43 100

70 36.8 29.6 44.4

55 22.9 17.7 26.5

61 21.3 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 49.313 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. -0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

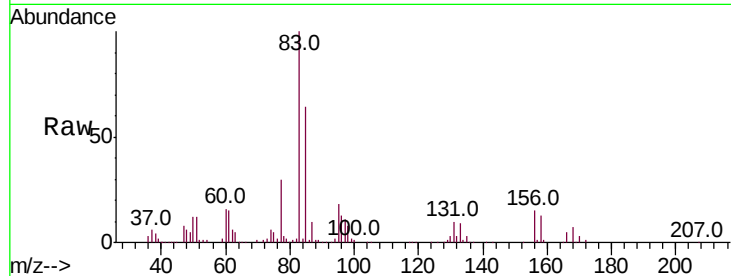
Tot Ion: 83 Resp: 227338

Ion Ratio Lower Upper

83 100

131 10.3 4.9 14.7

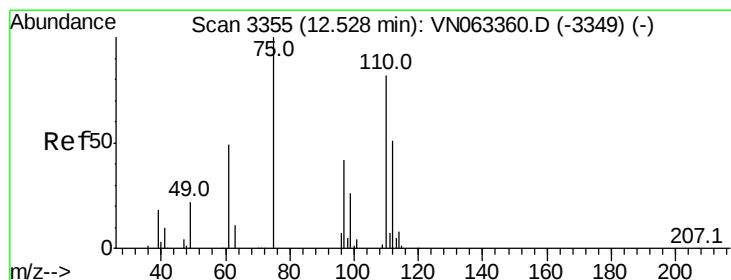
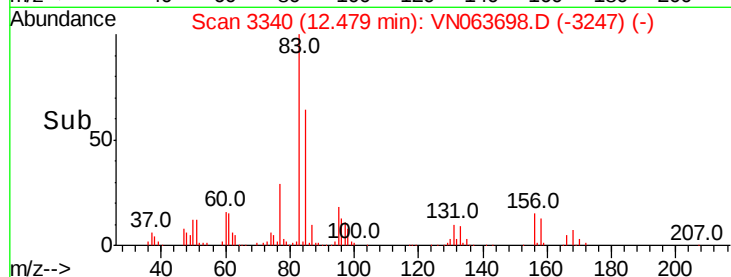
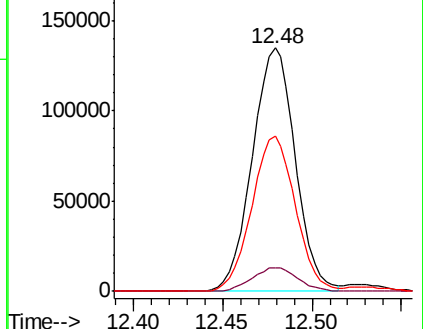
85 64.7 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VN063360.D (-3325) (-)

Ion 130.80 (130.50 to 131.50): VN063360.D (-3325) (-)

Ion 84.90 (84.60 to 85.60): VN063360.D (-3325) (-)



#76

1,2,3-Trichloropropane

Concen: 67.799 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. -0.00 min

Lab File: VN063698.D

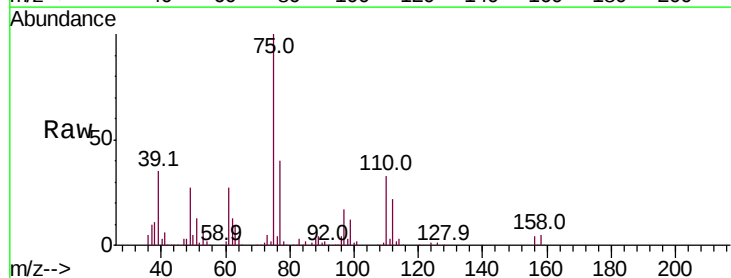
Acq: 28 Sep 2020 11:59

Tgt Ion: 75 Resp: 311794

Ion Ratio Lower Upper

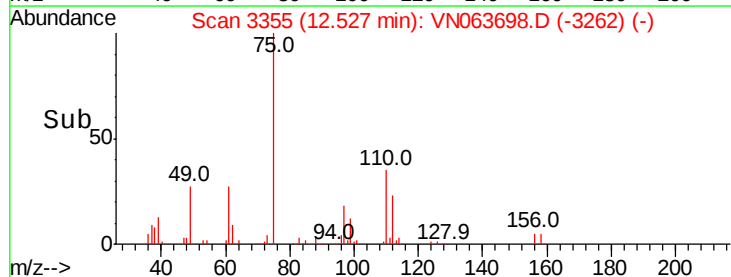
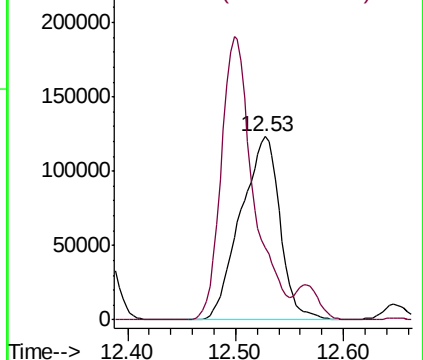
75 100

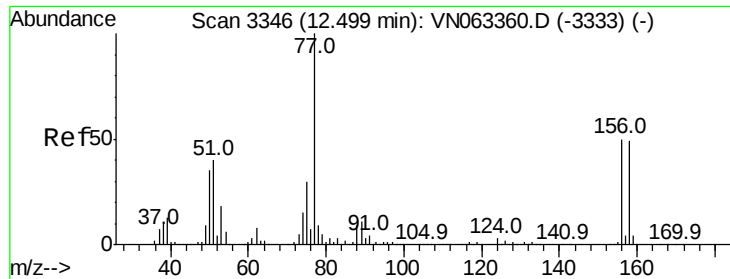
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN063360.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN063360.D (-3349) (-)





#77

Bromobenzene

Concen: 52.564 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

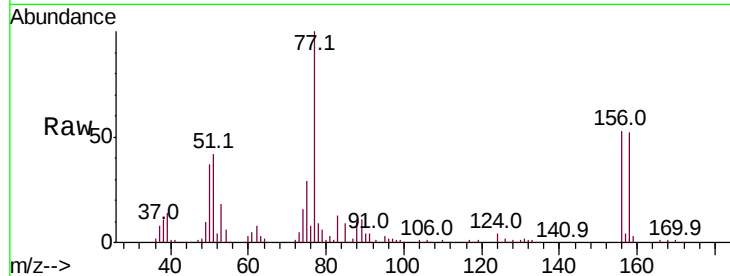
Tot Ion:156 Resp: 176048

Ion Ratio Lower Upper

156 100

77 225.6 120.2 360.6

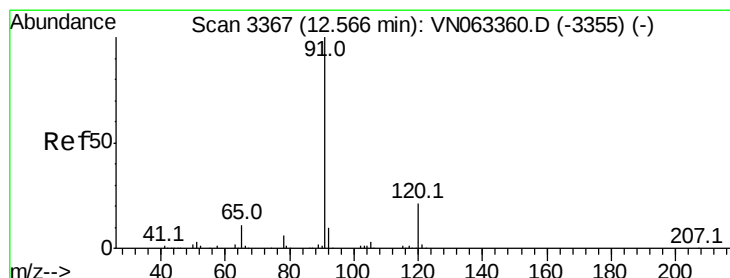
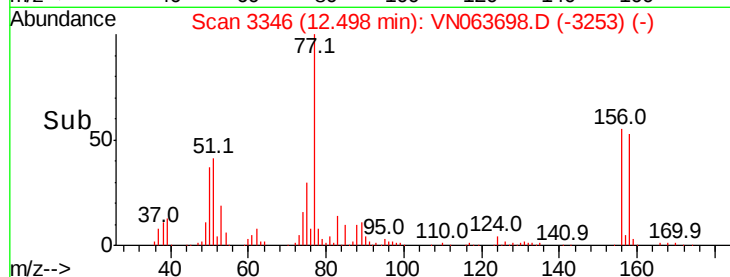
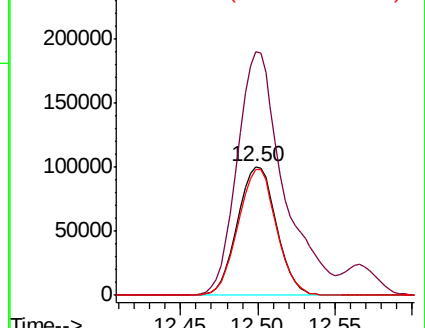
158 96.4 48.9 146.6



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: 47.954 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN063698.D

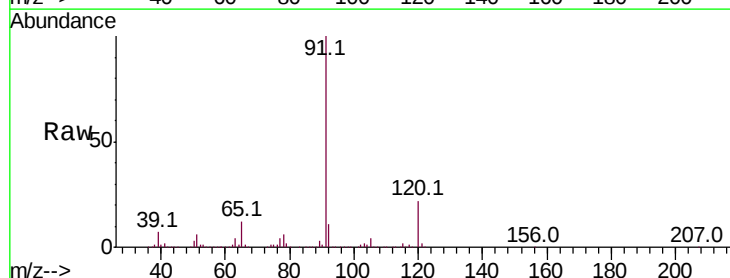
Acq: 28 Sep 2020 11:59

Tgt Ion: 91 Resp: 831605

Ion Ratio Lower Upper

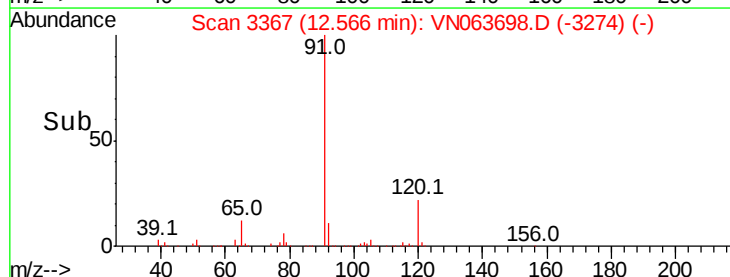
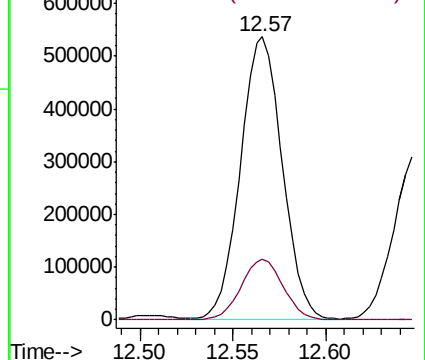
91 100

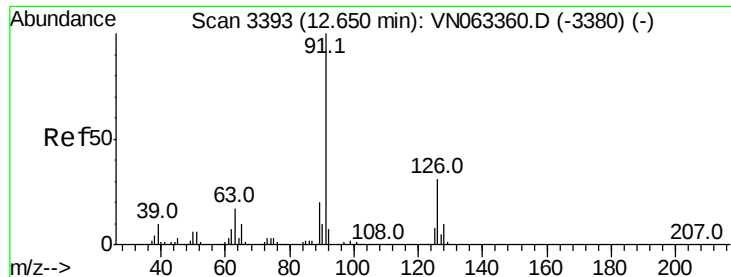
120 21.8 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.833 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. -0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

Instrument :

MSVOA_N

ClientSampleId :

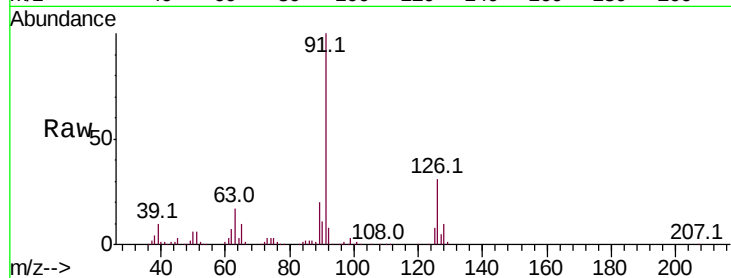
VSTDCCC050

Tot Ion: 91 Resp: 507636

Ion Ratio Lower Upper

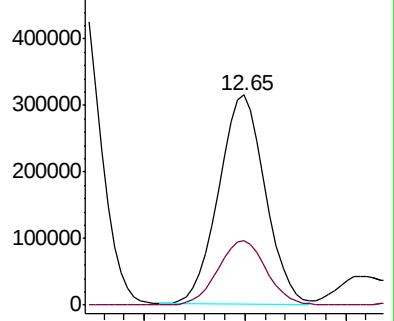
91 100

126 31.9 15.8 47.3

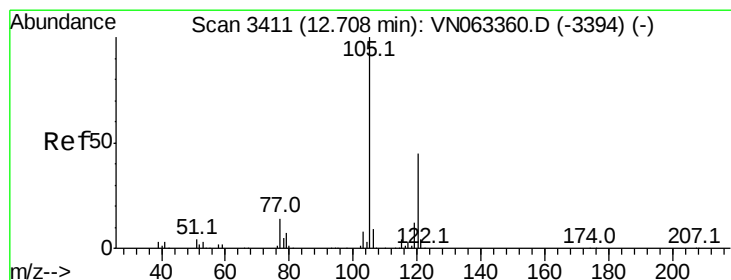
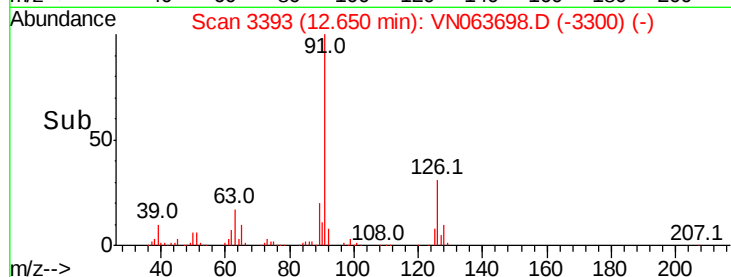


Abundance Ion 91.00 (90.70 to 91.70): VN063360.D (-3380) (-)

Ion 125.90 (125.60 to 126.60): VN063360.D (-3380) (-)



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 49.294 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN063698.D

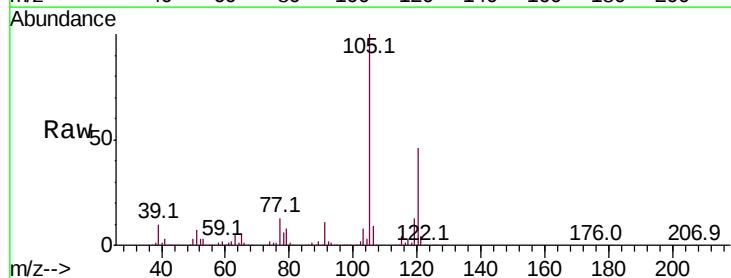
Acq: 28 Sep 2020 11:59

Tgt Ion: 105 Resp: 612010

Ion Ratio Lower Upper

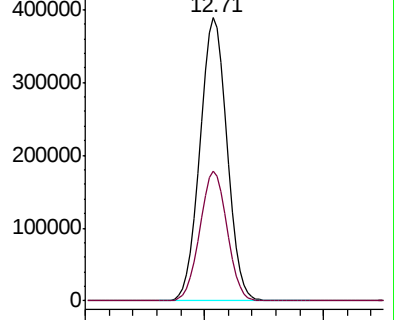
105 100

120 46.2 22.9 68.8

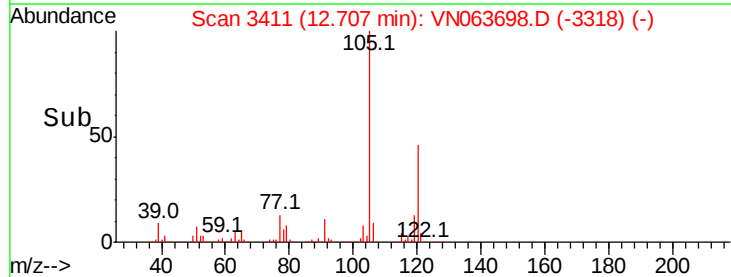


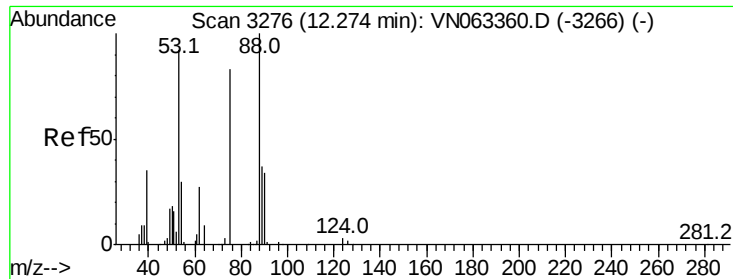
Abundance Ion 105.00 (104.70 to 105.70): VN063360.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN063360.D (-3394) (-)



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 46.643 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

Instrument :

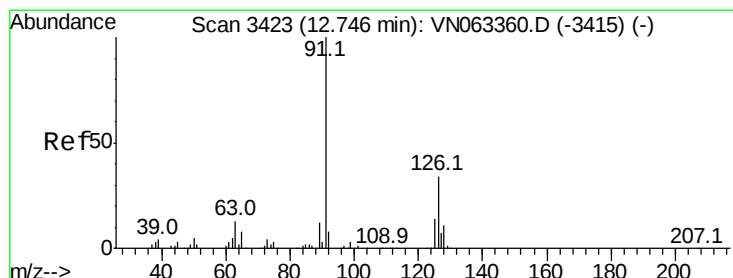
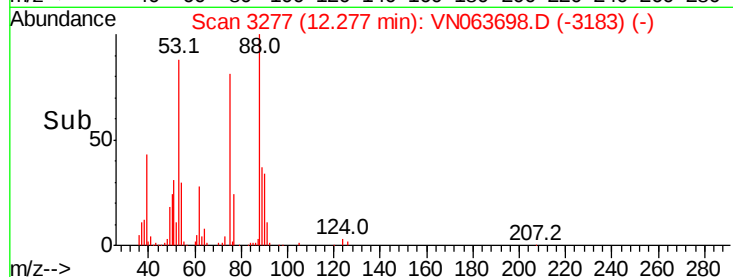
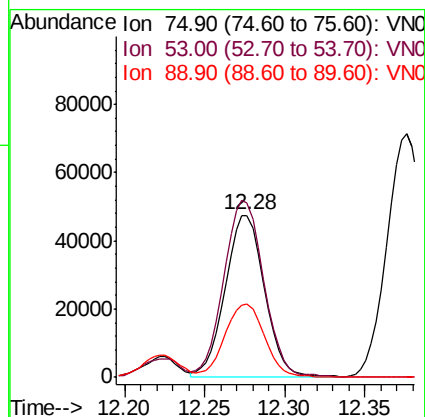
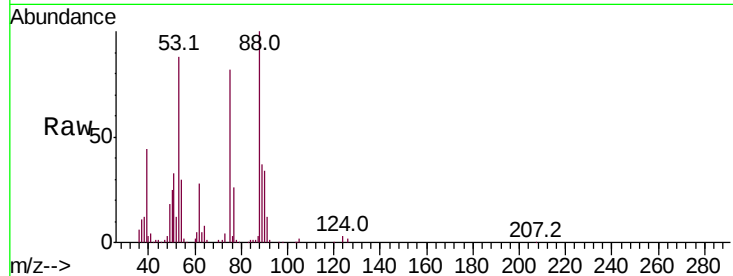
MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 78239

Ion	Ratio	Lower	Upper
75	100		
53	112.4	85.7	128.5
89	46.7	38.0	57.0



#82

4-Chlorotoluene

Concen: 48.864 ug/l

RT: 12.75 min Scan# 3423

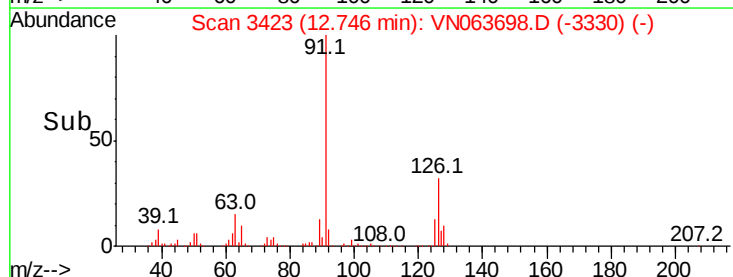
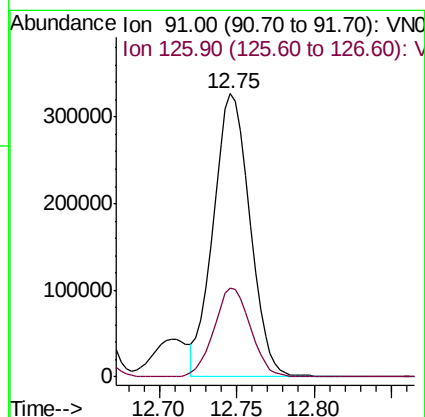
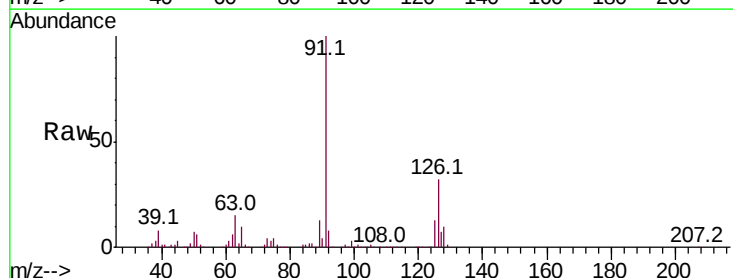
Delta R.T. -0.00 min

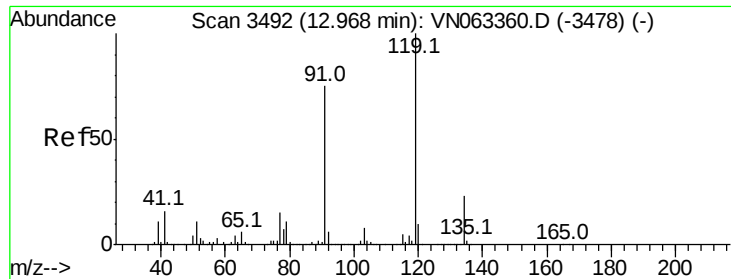
Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

Tgt Ion: 91 Resp: 536698

Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.5	46.5





#83

tert-Butylbenzene

Concen: 47.418 ug/l

RT: 12.97 min Scan# 3492

Delta R.T. -0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

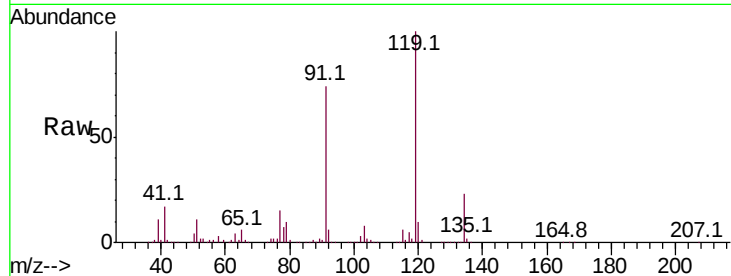
Tot Ion:119 Resp: 485895

Ion Ratio Lower Upper

119 100

91 71.9 36.3 108.9

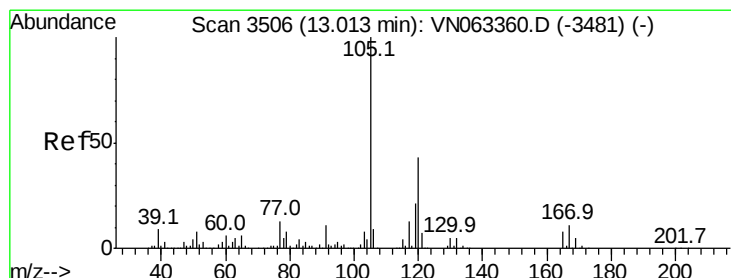
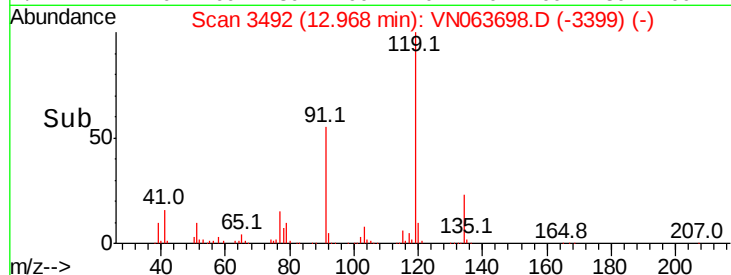
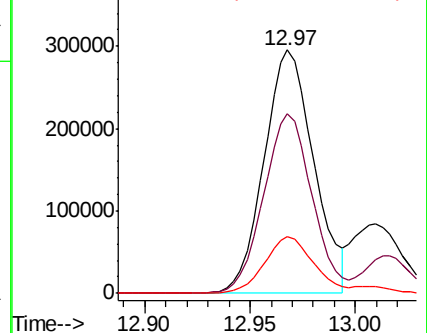
134 22.9 12.3 36.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 49.451 ug/l

RT: 13.01 min Scan# 3506

Delta R.T. -0.00 min

Lab File: VN063698.D

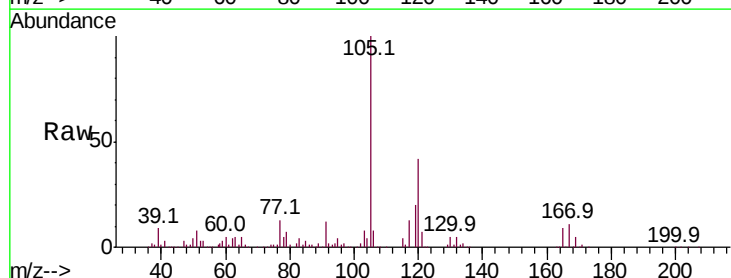
Acq: 28 Sep 2020 11:59

Tgt Ion:105 Resp: 620151

Ion Ratio Lower Upper

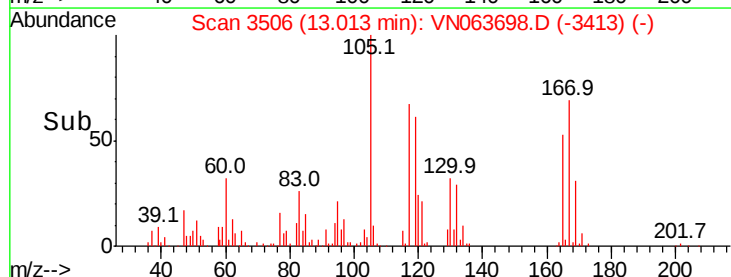
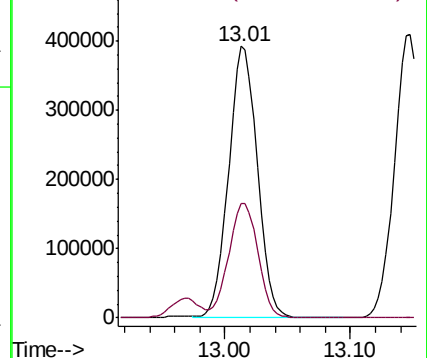
105 100

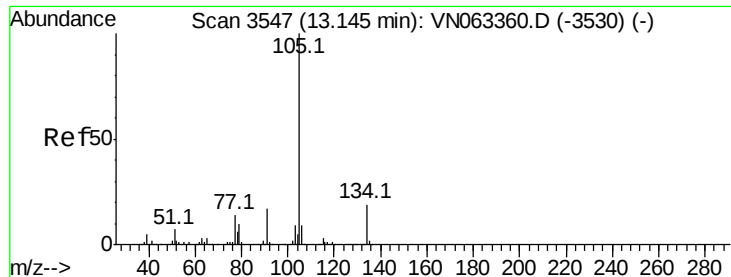
120 43.2 21.3 63.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 47.356 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

Instrument :

MSVOA_N

ClientSampleId :

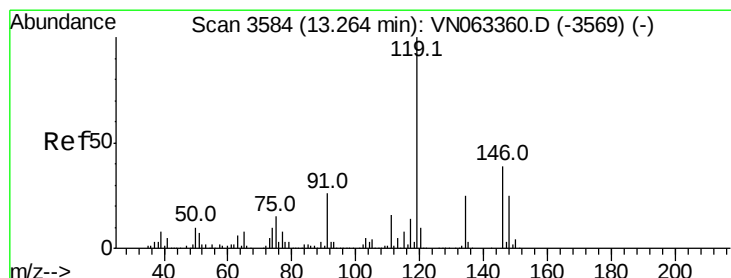
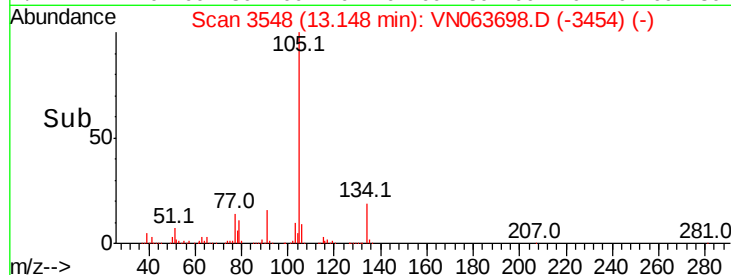
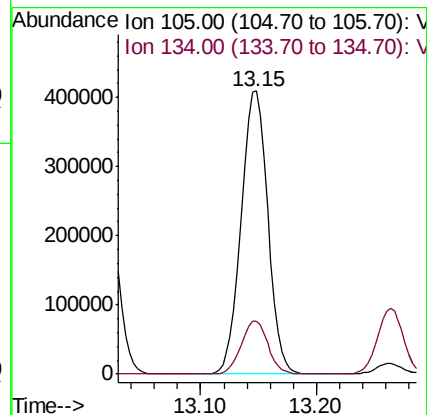
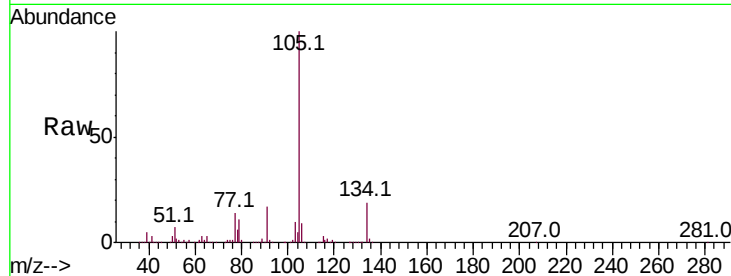
VSTDCCC050

Tot Ion:105 Resp: 649547

Ion Ratio Lower Upper

105 100

134 18.7 9.3 27.7



#86

p-Isopropyltoluene

Concen: 49.040 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

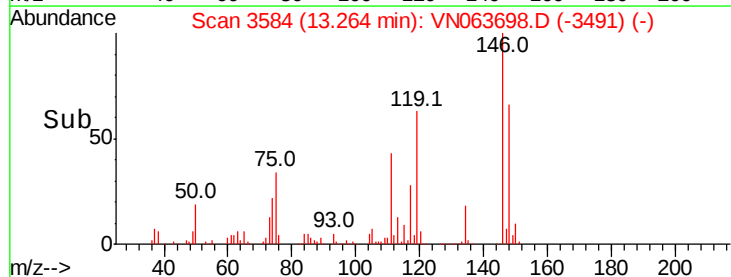
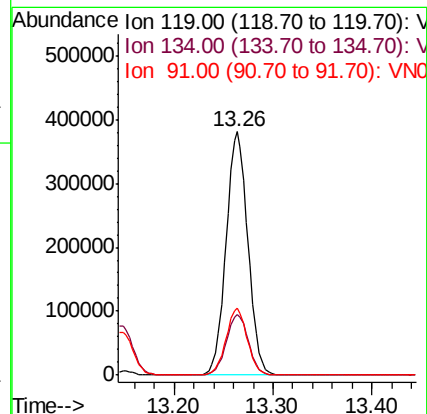
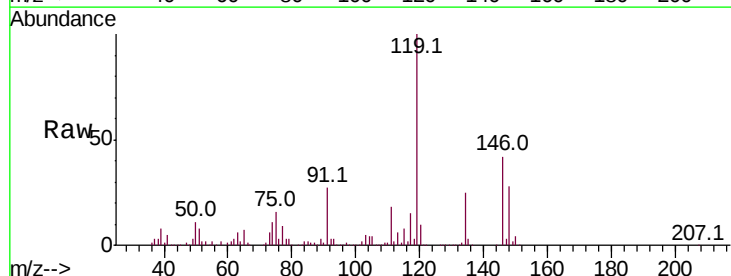
Tgt Ion:119 Resp: 593292

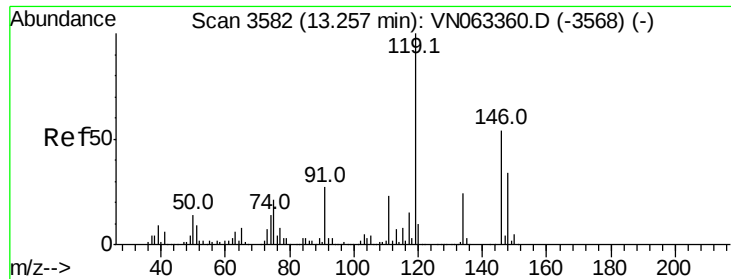
Ion Ratio Lower Upper

119 100

134 25.3 12.5 37.5

91 26.6 13.4 40.1

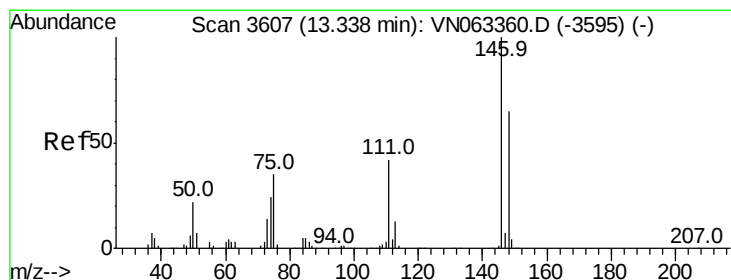
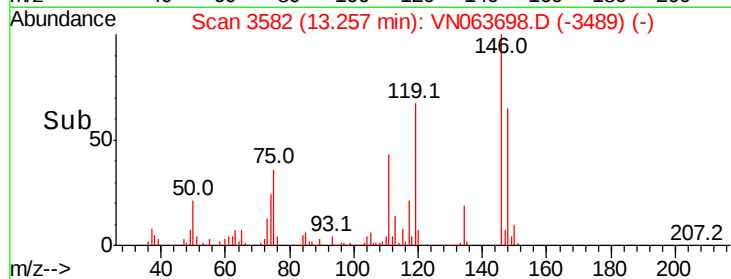
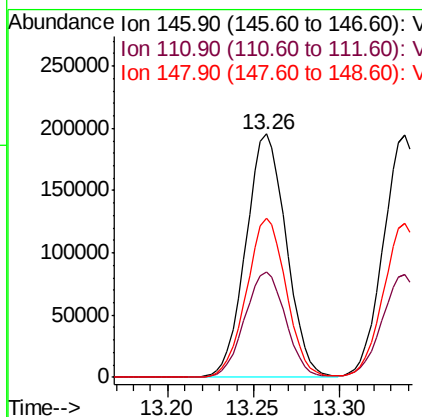
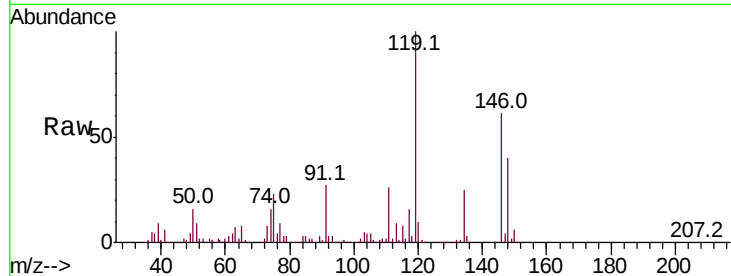




#87
 1,3-Dichlorobenzene
 Concen: 51.449 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN063698.D
 Acq: 28 Sep 2020 11:59

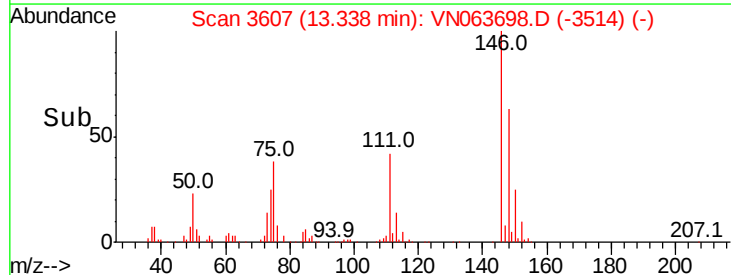
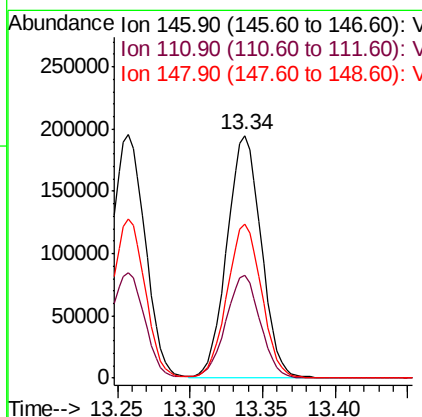
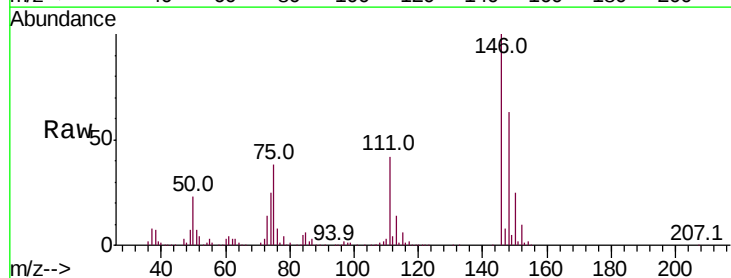
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

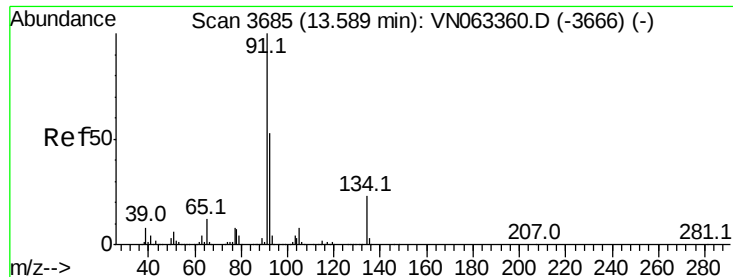
Tot Ion:146 Resp: 319375
 Ion Ratio Lower Upper
 146 100
 111 43.6 21.4 64.3
 148 64.0 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 50.454 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN063698.D
 Acq: 28 Sep 2020 11:59

Tgt Ion:146 Resp: 318428
 Ion Ratio Lower Upper
 146 100
 111 42.3 21.2 63.6
 148 64.0 31.9 95.9





#89

n-Butylbenzene

Concen: 46.050 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

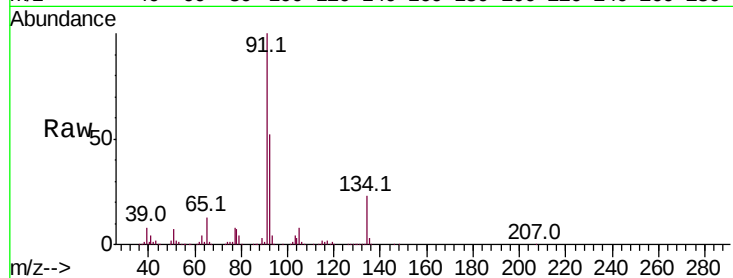
Tot Ion: 91 Resp: 513518

Ion Ratio Lower Upper

91 100

92 51.4 26.0 78.0

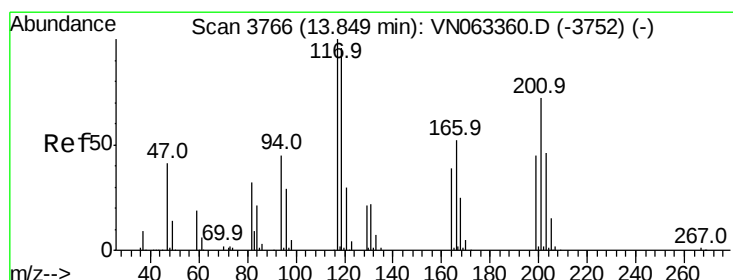
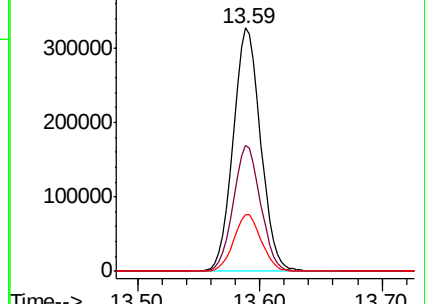
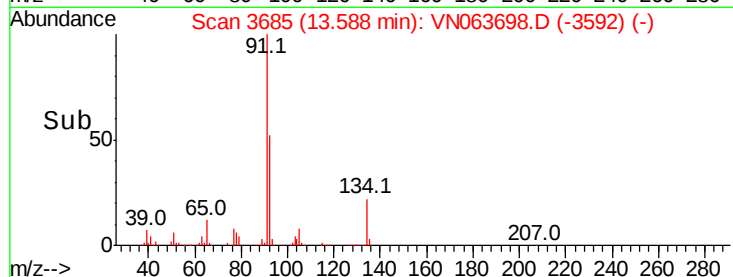
134 23.6 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN063360.D (-3666) (-)

Ion 92.00 (91.70 to 92.70): VN063360.D (-3666) (-)

Ion 134.00 (133.70 to 134.70): VN063360.D (-3666) (-)



#90

Hexachloroethane

Concen: 48.128 ug/l

RT: 13.85 min Scan# 3766

Delta R.T. -0.00 min

Lab File: VN063698.D

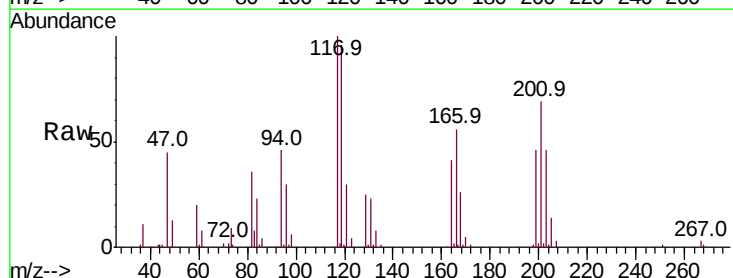
Acq: 28 Sep 2020 11:59

Tgt Ion: 117 Resp: 110870

Ion Ratio Lower Upper

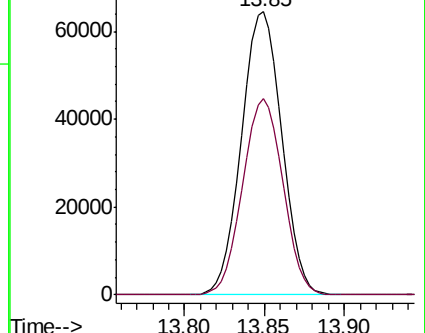
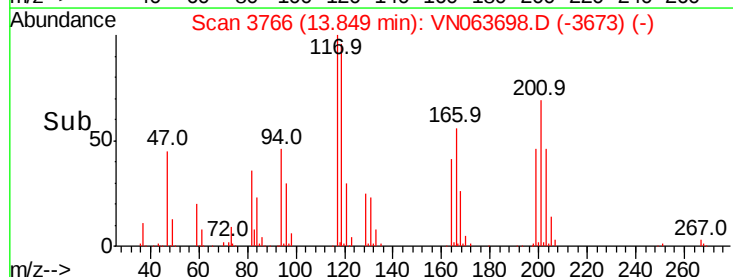
117 100

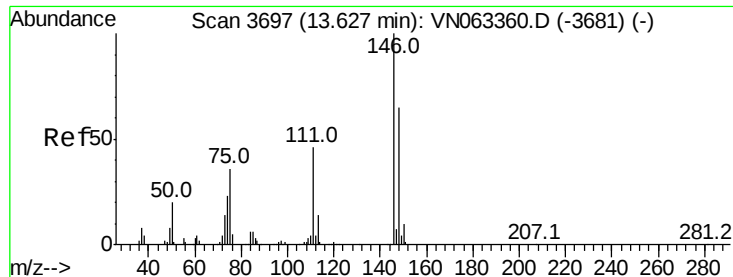
201 69.4 35.5 106.7



Abundance Ion 116.80 (116.50 to 117.50): VN063360.D (-3752) (-)

Ion 200.70 (200.40 to 201.40): VN063360.D (-3752) (-)

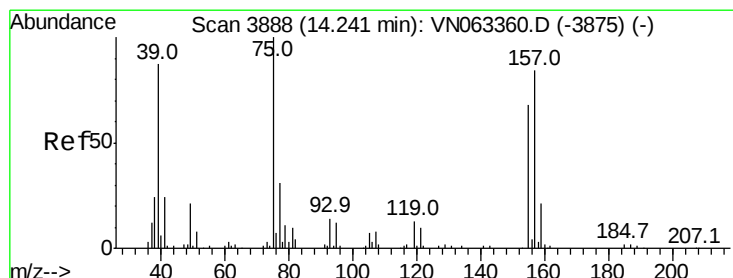
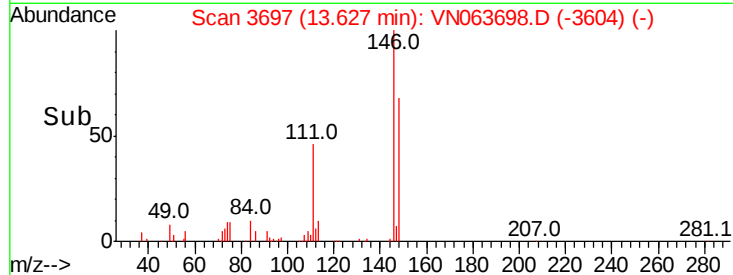
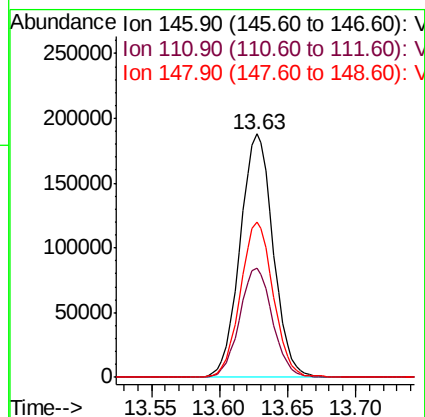
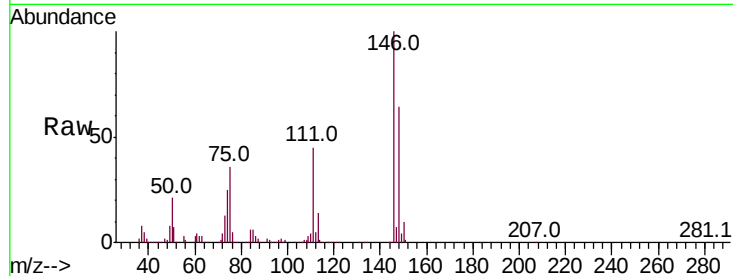




#91
 1,2-Dichlorobenzene
 Concen: 51.883 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN063698.D
 Acq: 28 Sep 2020 11:59

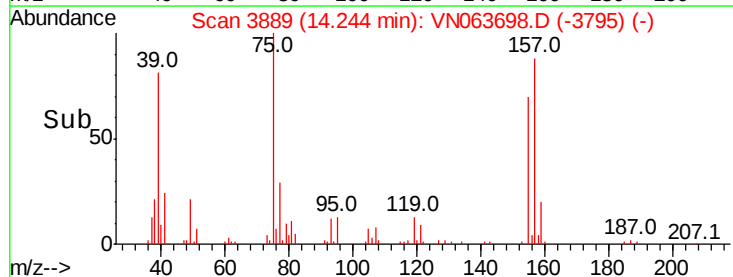
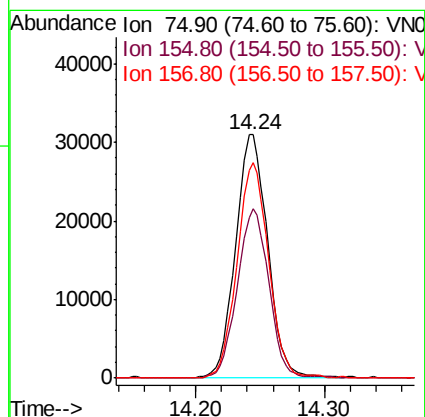
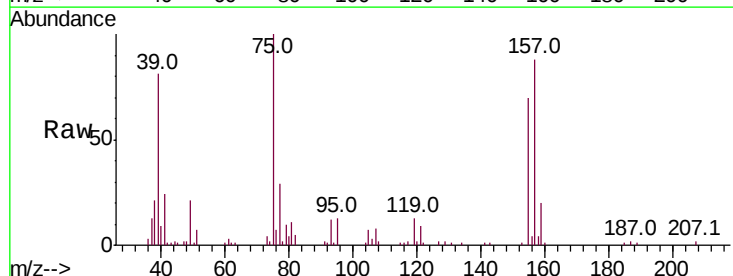
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

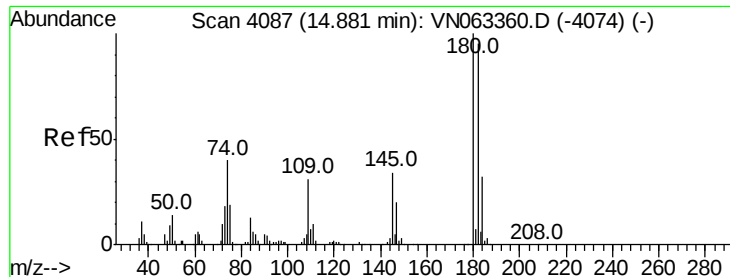
Tot Ion:146 Resp: 316201
 Ion Ratio Lower Upper
 146 100
 111 44.7 22.4 67.2
 148 63.5 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.866 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063698.D
 Acq: 28 Sep 2020 11:59

Tgt Ion: 75 Resp: 53645
 Ion Ratio Lower Upper
 75 100
 155 68.4 34.6 103.9
 157 86.2 43.7 131.1





#93

1,2,4-Trichlorobenzene

Concen: 47.128 ug/l

RT: 14.88 min Scan# 4087

Delta R.T. -0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

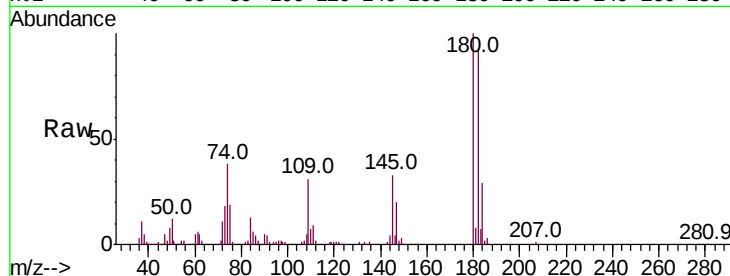
Tot Ion:180 Resp: 169328

Ion Ratio Lower Upper

180 100

182 93.7 47.3 142.0

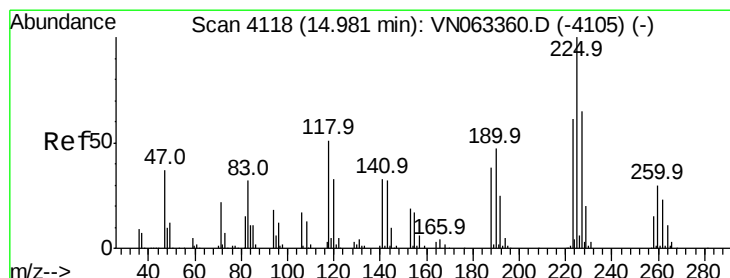
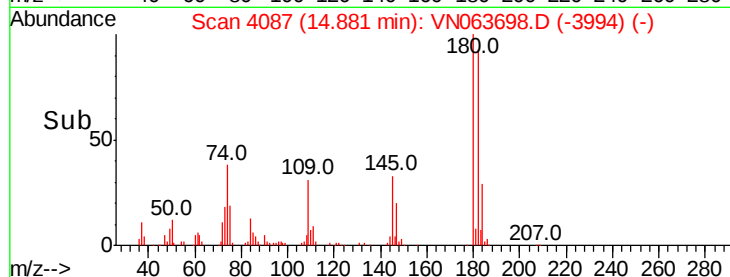
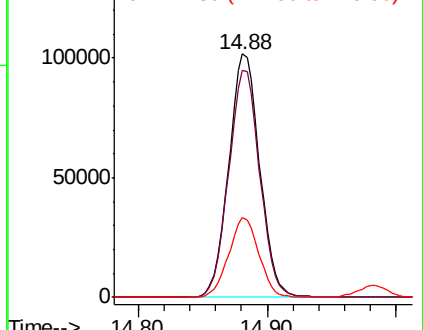
145 32.1 16.6 49.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 53.272 ug/l

RT: 14.98 min Scan# 4119

Delta R.T. 0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

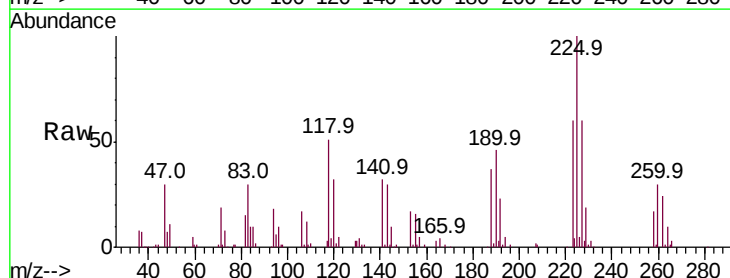
Tgt Ion:225 Resp: 79238

Ion Ratio Lower Upper

225 100

223 62.6 30.6 91.6

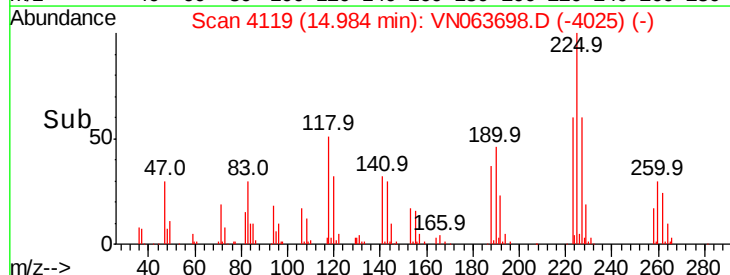
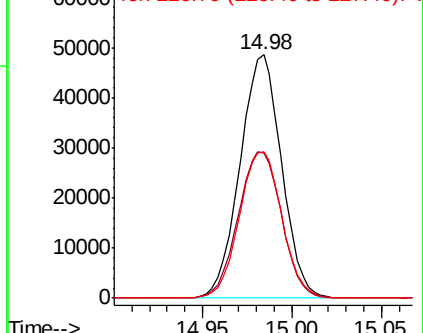
227 61.7 31.2 93.6

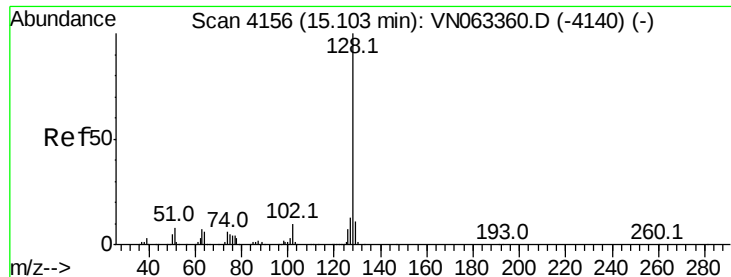


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 43.334 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

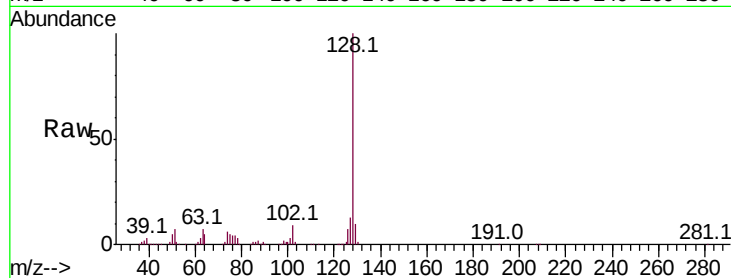
Tot Ion:128 Resp: 514386

Ion Ratio Lower Upper

128 100

127 13.4 10.6 15.8

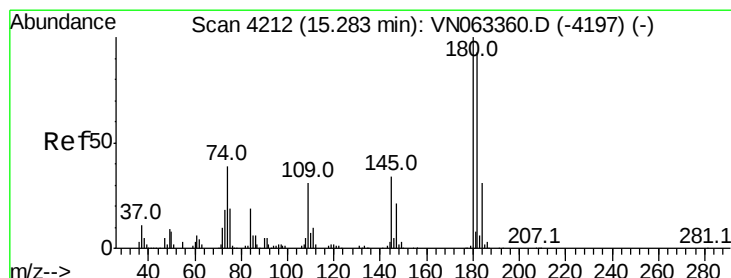
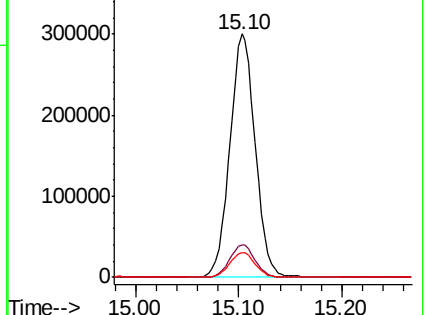
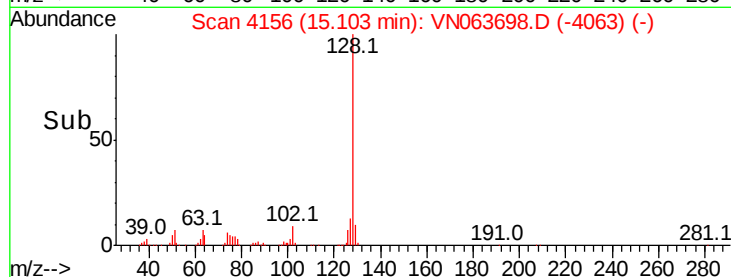
129 10.4 8.8 13.2



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: 47.634 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

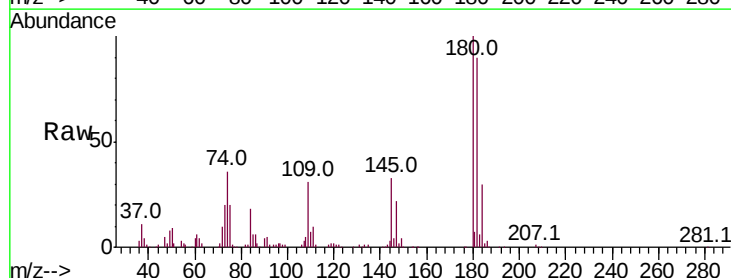
Tgt Ion:180 Resp: 165364

Ion Ratio Lower Upper

180 100

182 90.7 46.7 140.1

145 32.7 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

