

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092420\
 Data File : VN063645.D
 Acq On : 24 Sep 2020 21:51
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Sep 25 05:19:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	238404	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	412089	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	383330	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	183562	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	197150	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	
35) Dibromofluoromethane	7.55	113	138079	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	
50) Toluene-d8	10.06	98	504869	47.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.12%	
62) 4-Bromofluorobenzene	12.38	95	191965	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	113822	42.142	ug/l	98
3) Chloromethane	2.04	50	149282	41.780	ug/l	96
4) Vinyl Chloride	2.16	62	146130	46.162	ug/l	97
5) Bromomethane	2.53	94	91512	48.688	ug/l	98
6) Chloroethane	2.67	64	94310	48.534	ug/l	94
7) Trichlorofluoromethane	2.99	101	230723	48.850	ug/l	99
8) Diethyl Ether	3.37	74	85834	46.619	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	118350	44.557	ug/l	98
10) Methyl Iodide	3.91	142	160242	46.338	ug/l	98
11) Tert butyl alcohol	4.73	59	120836	214.929	ug/l	99
12) 1,1-Dichloroethene	3.70	96	118209	43.938	ug/l	98
13) Acrolein	3.57	56	59620	286.155	ug/l	98
14) Allyl chloride	4.28	41	227276	42.708	ug/l	95
15) Acrylonitrile	4.93	53	344800	241.105	ug/l	99
16) Acetone	3.78	43	309407	237.228	ug/l	98
17) Carbon Disulfide	4.01	76	303482	38.781	ug/l	99
18) Methyl Acetate	4.28	43	174665	52.752	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	471364	47.009	ug/l	99
20) Methylene Chloride	4.50	84	155471	47.048	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	130157	43.666	ug/l	100
22) Diisopropyl ether	5.90	45	507120	46.725	ug/l	98
23) Vinyl Acetate	5.84	43	2105440	236.209	ug/l	100
24) 1,1-Dichloroethane	5.80	63	273577	46.170	ug/l	98
25) 2-Butanone	6.78	43	489336	243.946	ug/l	100
26) 2,2-Dichloropropane	6.78	77	191598	36.726	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	156736	46.457	ug/l	100
28) Bromochloromethane	7.15	49	134047	48.995	ug/l	97
29) Tetrahydrofuran	7.16	42	320631	234.037	ug/l	99
30) Chloroform	7.33	83	286347	48.167	ug/l	98
31) Cyclohexane	7.62	56	209736	37.420	ug/l	100
32) 1,1,1-Trichloroethane	7.53	97	250939	47.458	ug/l	100
36) 1,1-Dichloropropene	7.76	75	197470	44.979	ug/l	98
37) Ethyl Acetate	6.88	43	209527	48.627	ug/l	99
38) Carbon Tetrachloride	7.74	117	210809	47.039	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	188372	39.534	ug/l	96
40) Benzene	8.00	78	589276	47.020	ug/l	97
41) Methacrylonitrile	7.16	41	316085	163.103	ug/l #	100
42) 1,2-Dichloroethane	8.09	62	253461	50.291	ug/l	98
43) Isopropyl Acetate	8.13	43	360470	46.786	ug/l #	90
44) Trichloroethene	8.80	130	144404	47.506	ug/l	100
45) 1,2-Dichloropropane	9.09	63	162946	47.738	ug/l	99
46) Dibromomethane	9.17	93	111023	49.488	ug/l	99
47) Bromodichloromethane	9.37	83	233719	50.147	ug/l	99
48) Methyl methacrylate	9.17	41	177978	47.018	ug/l	96
49) 1,4-Dioxane	9.16	88	48391	890.822	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	1090787	252.889	ug/l	98
52) Toluene	10.13	92	368614	48.921	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	240870	46.294	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	251672	45.857	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	153071	51.144	ug/l	98
56) Ethyl methacrylate	10.40	69	228858	48.982	ug/l	98
57) 1,3-Dichloropropane	10.68	76	264326	48.974	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	572360	233.521	ug/l	99
59) 2-Hexanone	10.72	43	791544	253.304	ug/l	100
60) Dibromochloromethane	10.87	129	169377	50.094	ug/l	99
61) 1,2-Dibromoethane	10.98	107	159332	51.242	ug/l	99
64) Tetrachloroethene	10.60	164	132916	50.922	ug/l	97
65) Chlorobenzene	11.41	112	384653	47.272	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	148360	49.740	ug/l	99
67) Ethyl Benzene	11.49	91	705342	46.030	ug/l	97
68) m/p-Xylenes	11.59	106	522466	94.565	ug/l	99
69) o-Xylene	11.92	106	252171	47.913	ug/l	100
70) Styrene	11.94	104	438020	49.628	ug/l	99
71) Bromoform	12.10	173	114785	51.657	ug/l #	100
73) Isopropylbenzene	12.23	105	685444	46.598	ug/l	99
74) N-amyl acetate	12.05	43	325376	46.729	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	221467	48.625	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	300658	66.175	ug/l #	100
77) Bromobenzene	12.50	156	164875	49.829	ug/l	95
78) n-propylbenzene	12.57	91	794038	46.347	ug/l	100
79) 2-Chlorotoluene	12.65	91	486200	47.341	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	587772	47.919	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	72477	43.735	ug/l	97
82) 4-Chlorotoluene	12.75	91	511704	47.156	ug/l	99
83) tert-Butylbenzene	12.97	119	459072	45.347	ug/l	100
84) 1,2,4-Trimethylbenzene	13.02	105	582156	46.987	ug/l	100
85) sec-Butylbenzene	13.15	105	618039	45.608	ug/l	100
86) p-Isopropyltoluene	13.26	119	549703	45.992	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	293597	47.873	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	294962	47.306	ug/l	99
89) n-Butylbenzene	13.59	91	484218	43.952	ug/l	99
90) Hexachloroethane	13.85	117	99133	43.558	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	296596	49.260	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	48637	44.845	ug/l	97

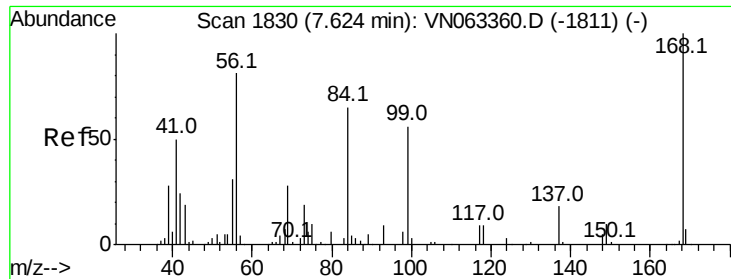
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	152723	43.025	ug/l	99
94) Hexachlorobutadiene	14.98	225	73693	50.148	ug/l	99
95) Naphthalene	15.10	128	507488	43.274	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	152271	44.398	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

Instrument :

MSVOA_N

ClientSampleId :

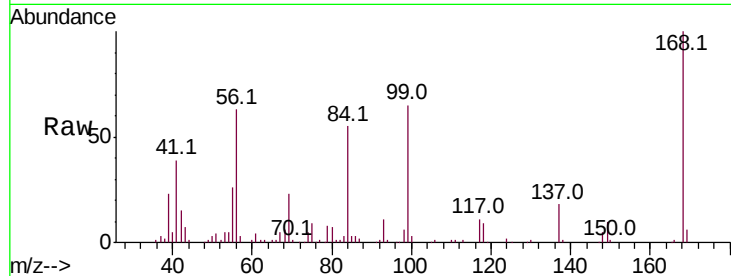
VSTDCCC050EC

Tot Ion:168 Resp: 238404

Ion Ratio Lower Upper

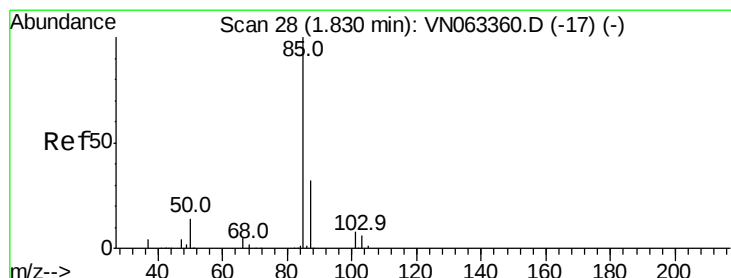
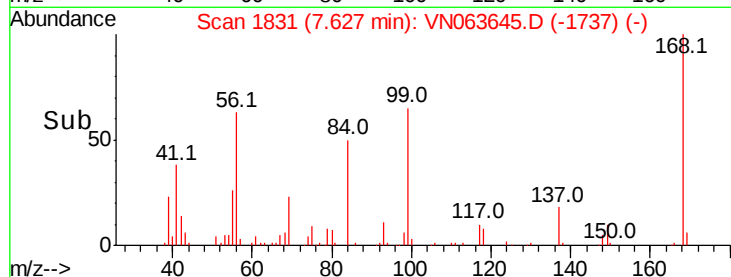
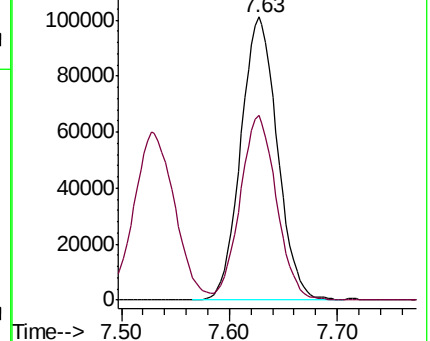
168 100

99 65.0 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 42.142 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063645.D

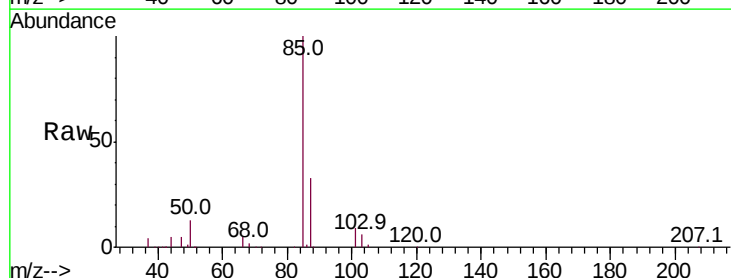
Acq: 24 Sep 2020 21:51

Tgt Ion: 85 Resp: 113822

Ion Ratio Lower Upper

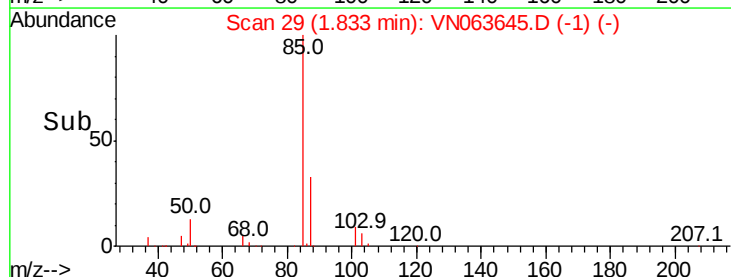
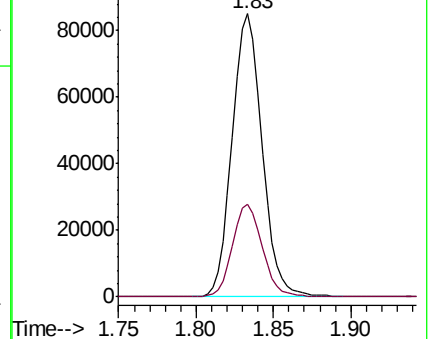
85 100

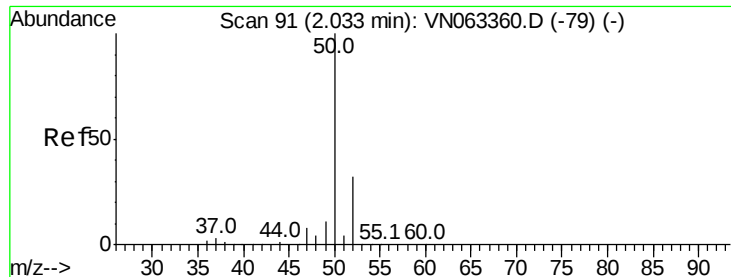
87 32.8 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 41.780 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.01 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

Instrument :

MSVOA_N

ClientSampleId :

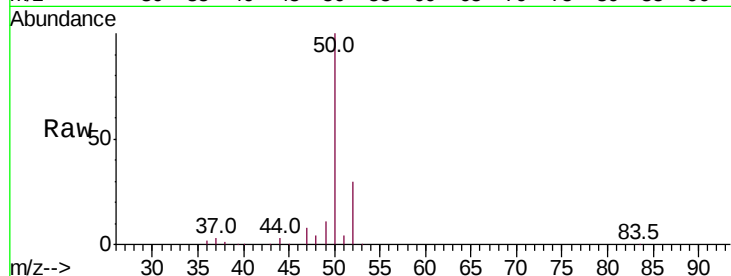
VSTDCCC050EC

Tot Ion: 50 Resp: 149282

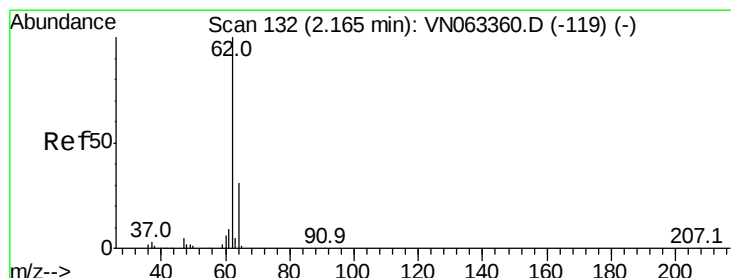
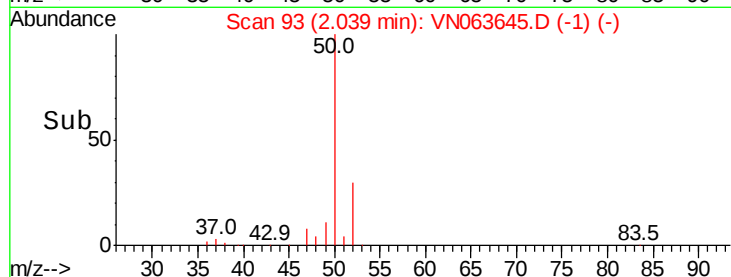
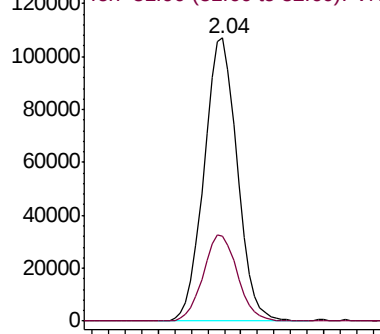
Ion Ratio Lower Upper

50 100

52 30.2 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 46.162 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN063645.D

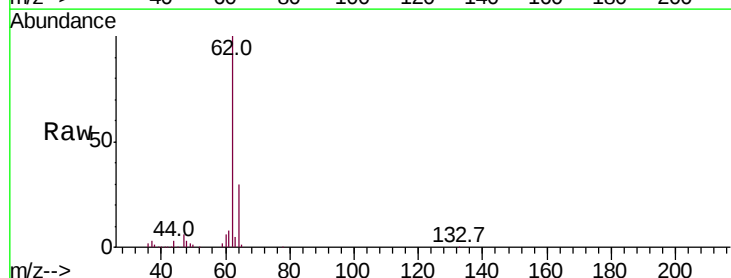
Acq: 24 Sep 2020 21:51

Tgt Ion: 62 Resp: 146130

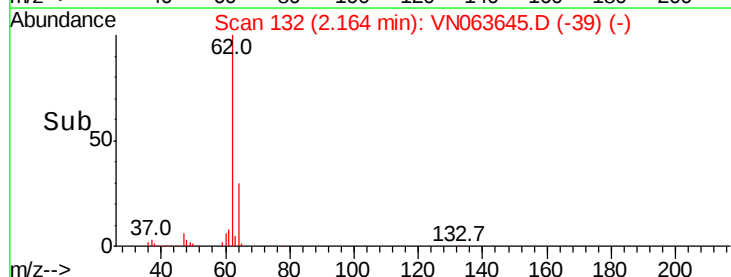
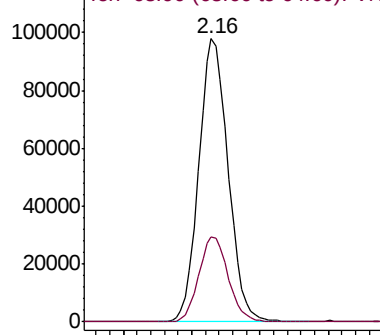
Ion Ratio Lower Upper

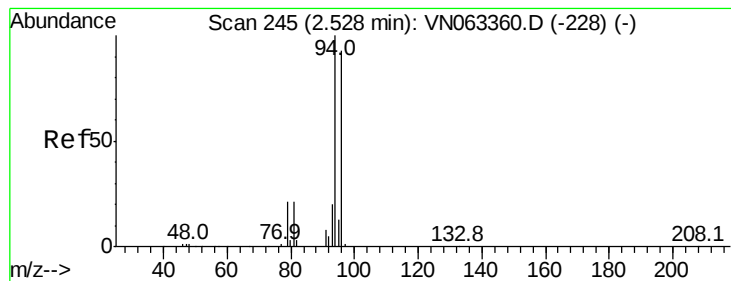
62 100

64 30.0 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 48.688 ug/l

RT: 2.53 min Scan# 245

Delta R.T. -0.00 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

Instrument :

MSVOA_N

ClientSampleId :

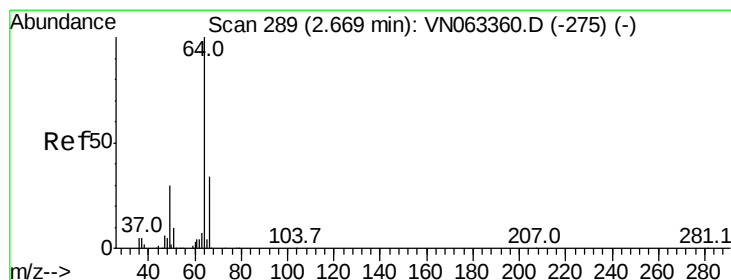
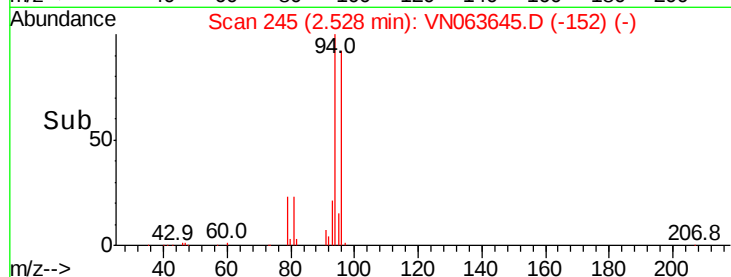
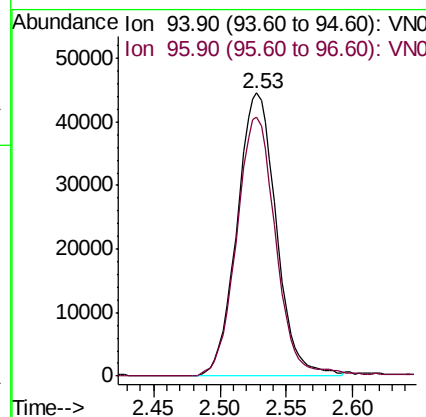
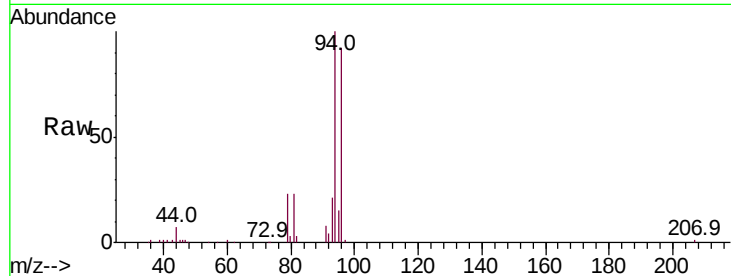
VSTDCCC050EC

Tot Ion: 94 Resp: 91512

Ion Ratio Lower Upper

94 100

96 91.5 74.5 111.7



#6

Chloroethane

Concen: 48.534 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN063645.D

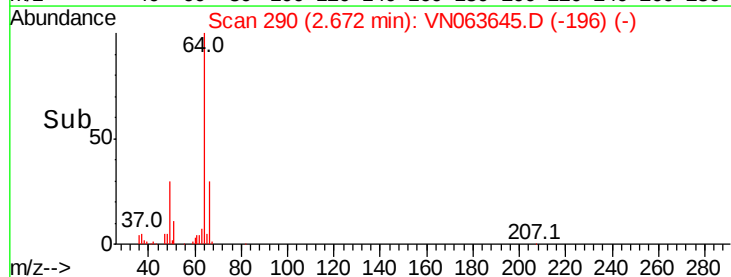
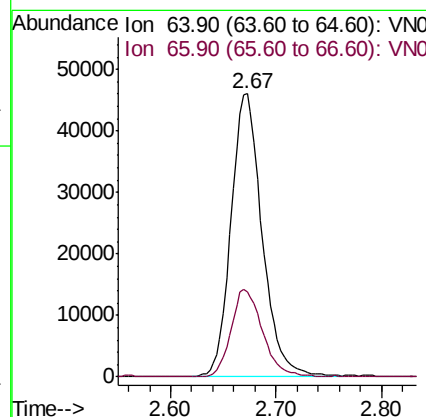
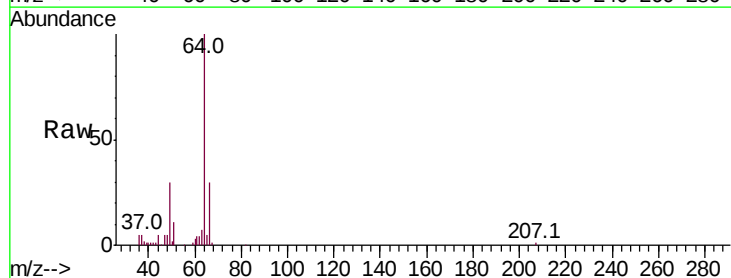
Acq: 24 Sep 2020 21:51

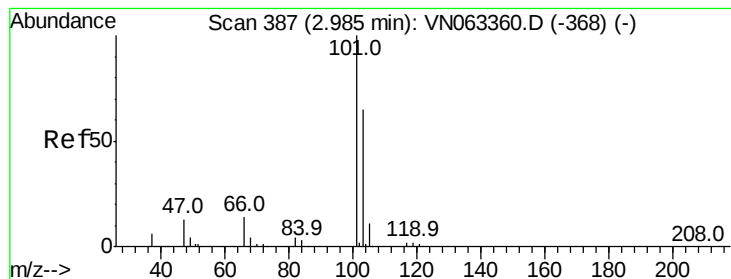
Tgt Ion: 64 Resp: 94310

Ion Ratio Lower Upper

64 100

66 30.1 26.9 40.3



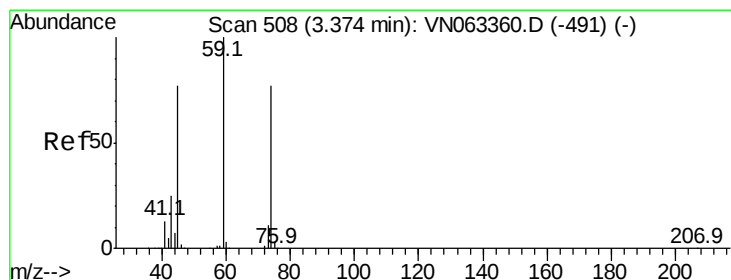
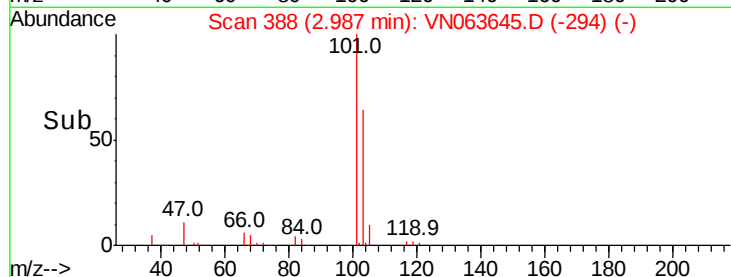
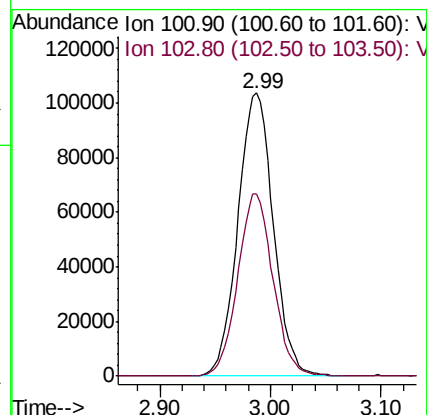
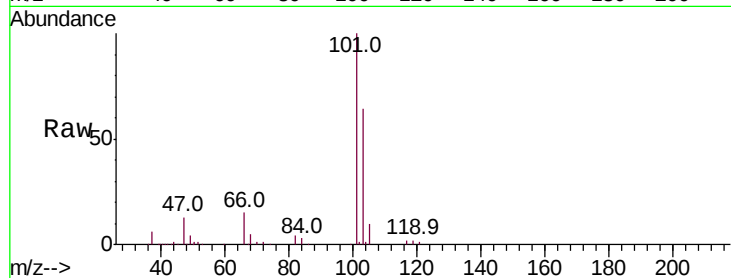


#7

Trichlorofluoromethane
 Concen: 48.850 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN063645.D
 Acq: 24 Sep 2020 21:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

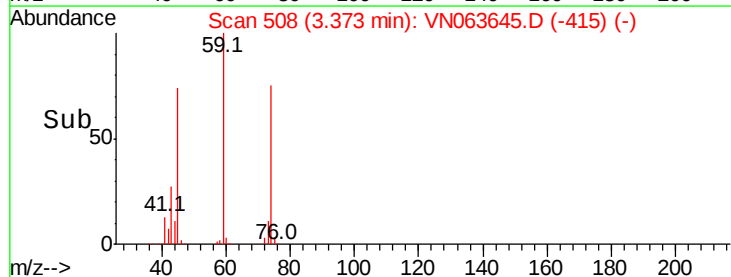
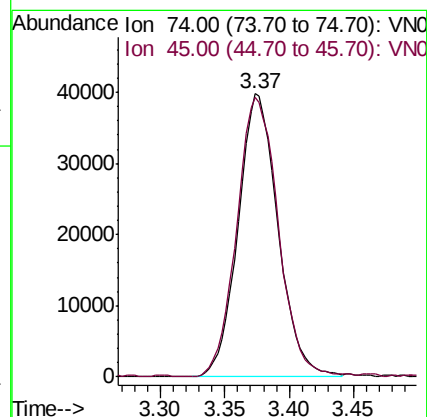
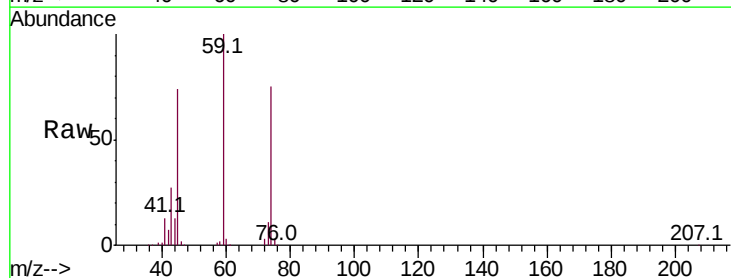
Tot Ion:101 Resp: 230723
 Ion Ratio Lower Upper
 101 100
 103 64.5 52.3 78.5

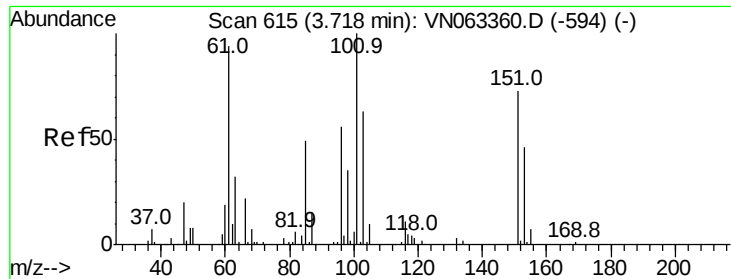


#8

Diethyl Ether
 Concen: 46.619 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN063645.D
 Acq: 24 Sep 2020 21:51

Tgt Ion: 74 Resp: 85834
 Ion Ratio Lower Upper
 74 100
 45 103.1 52.1 156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.557 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

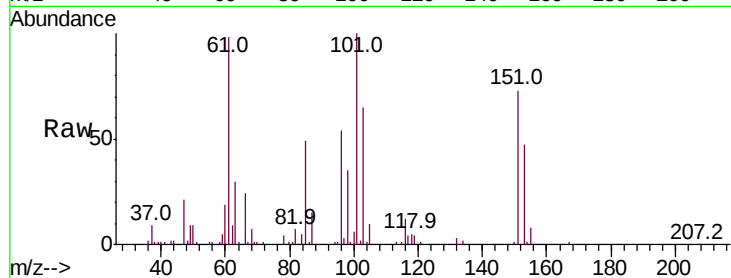
Tot Ion:101 Resp: 118350

Ion Ratio Lower Upper

101 100

85 49.0 37.7 56.5

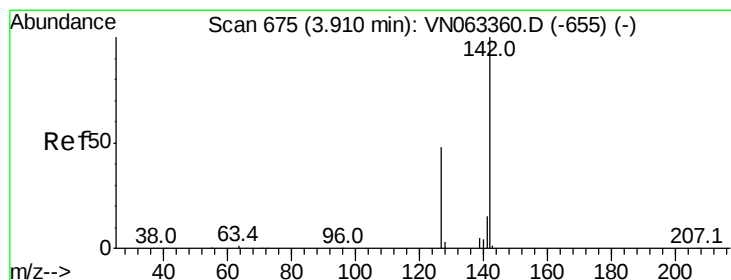
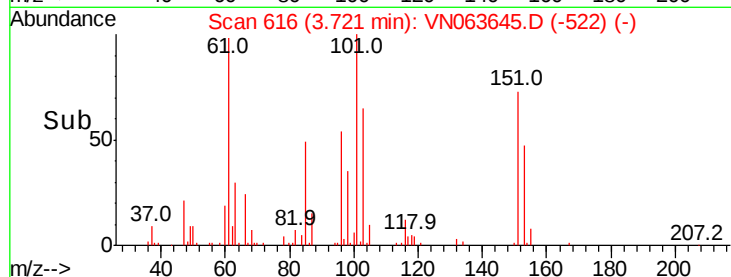
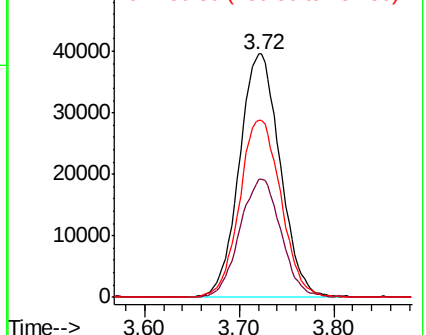
151 73.9 57.7 86.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.338 ug/l

RT: 3.91 min Scan# 676

Delta R.T. 0.00 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

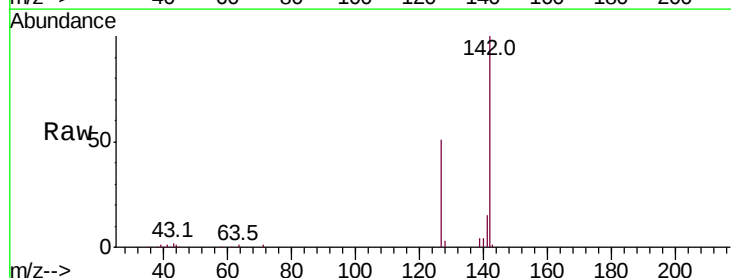
Tgt Ion:142 Resp: 160242

Ion Ratio Lower Upper

142 100

127 50.4 39.0 58.6

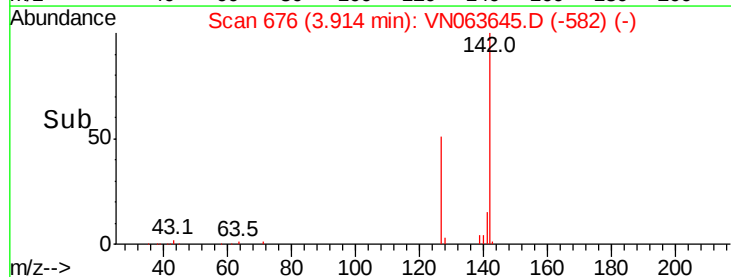
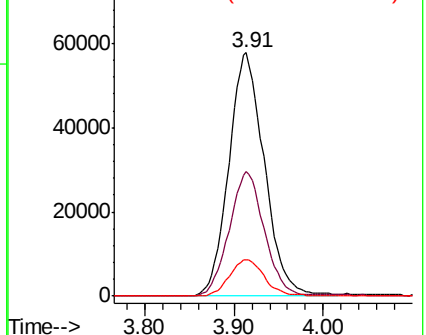
141 14.6 11.6 17.4

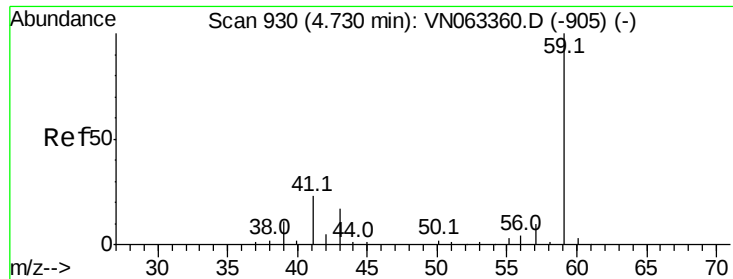


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

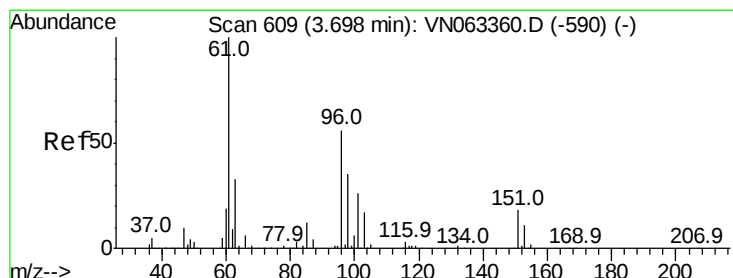
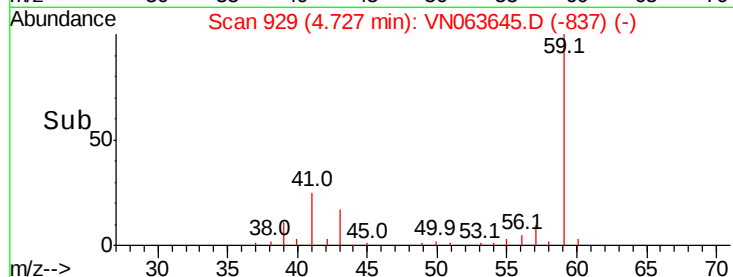
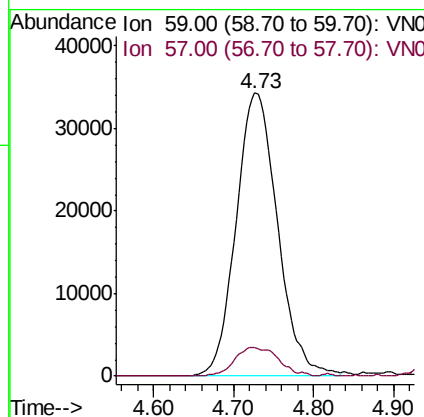
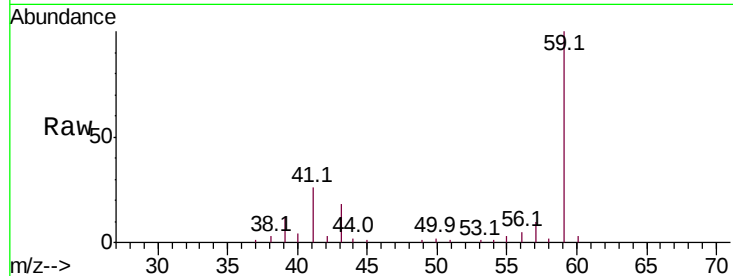




#11
Tert butyl alcohol
Concen: 214.929 ug/l
RT: 4.73 min Scan# 929
Delta R.T. -0.00 min
Lab File: VN063645.D
Acq: 24 Sep 2020 21:51

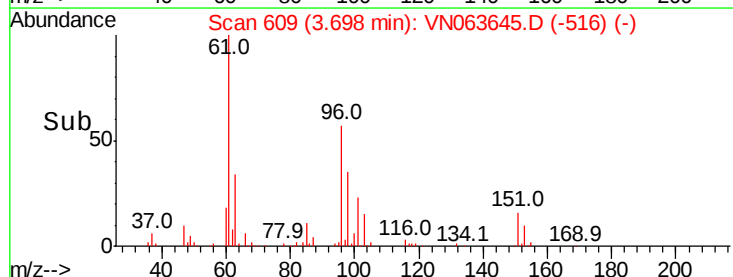
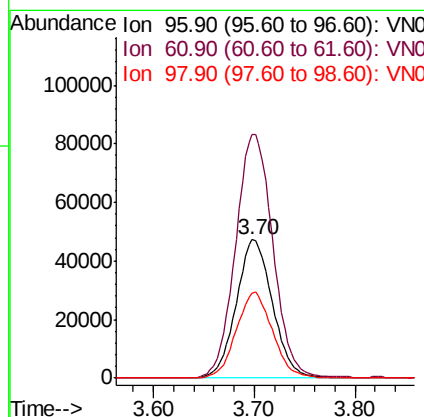
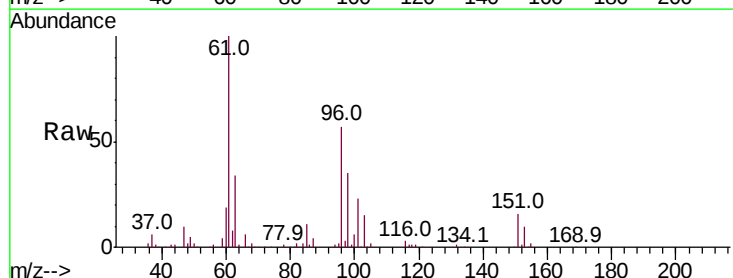
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

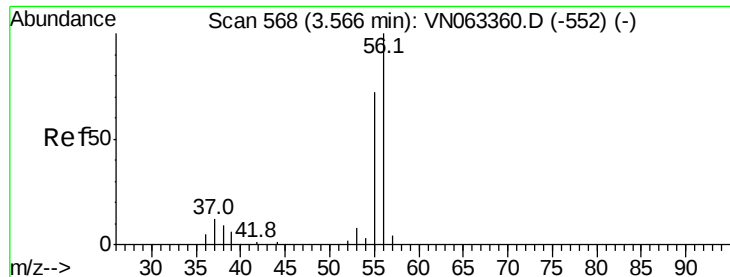
Tot Ion: 59 Resp: 120836
Ion Ratio Lower Upper
59 100
57 10.9 8.4 12.6



#12
1,1-Dichloroethene
Concen: 43.938 ug/l
RT: 3.70 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN063645.D
Acq: 24 Sep 2020 21:51

Tgt Ion: 96 Resp: 118209
Ion Ratio Lower Upper
96 100
61 176.1 143.4 215.2
98 61.7 50.6 76.0





#13

Acrolein

Concen: 286.155 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

Instrument :

MSVOA_N

ClientSampleId :

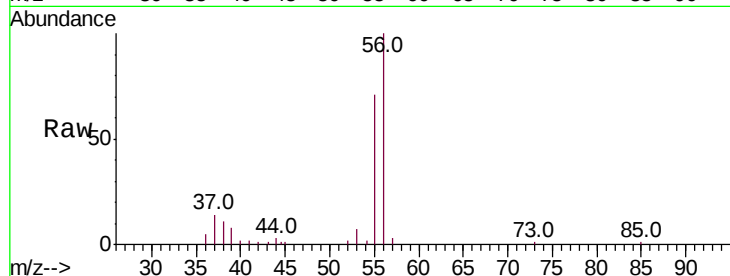
VSTDCCC050EC

Tot Ion: 56 Resp: 59620

Ion Ratio Lower Upper

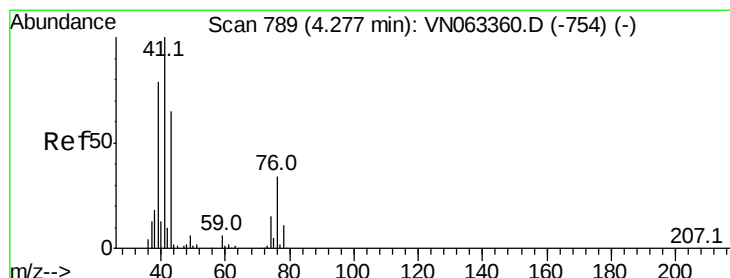
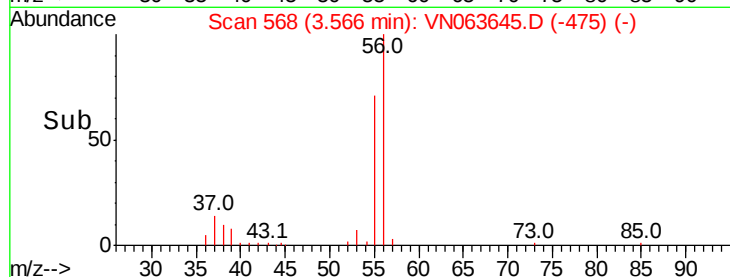
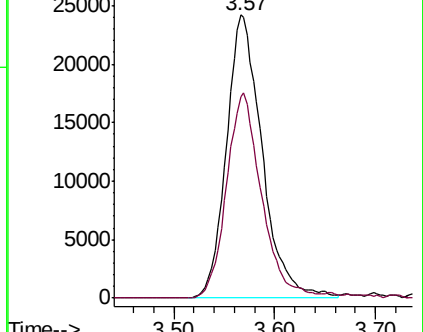
56 100

55 71.0 58.2 87.2



Abundance Ion 56.00 (55.70 to 56.70): VN063360.D (-552) (-)

Ion 55.00 (54.70 to 55.70): VN063360.D (-552) (-)



#14

Allyl chloride

Concen: 42.708 ug/l

RT: 4.28 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

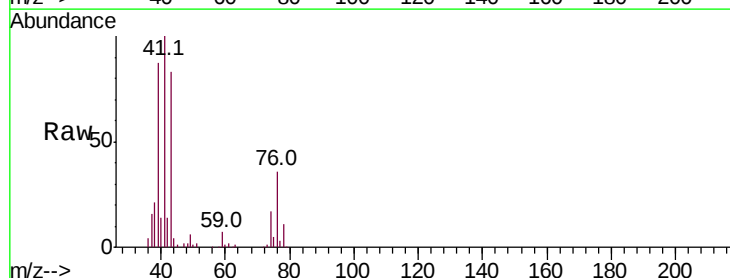
Tgt Ion: 41 Resp: 227276

Ion Ratio Lower Upper

41 100

39 79.4 59.3 88.9

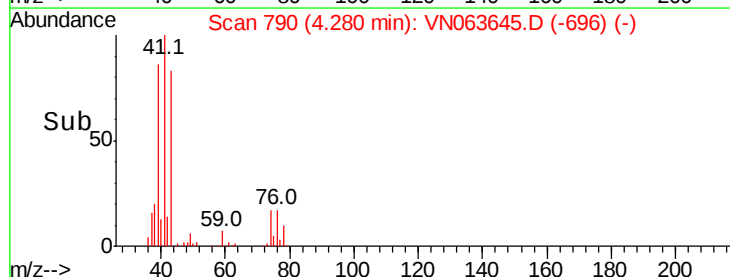
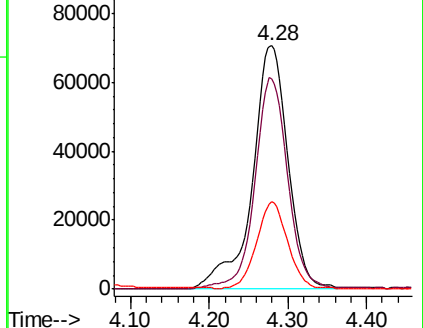
76 30.7 25.3 37.9

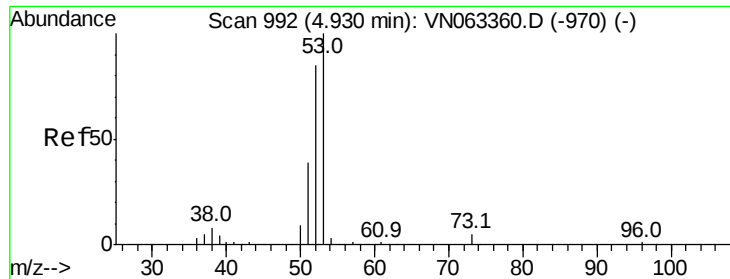


Abundance Ion 41.00 (40.70 to 41.70): VN063360.D (-754) (-)

Ion 39.00 (38.70 to 39.70): VN063360.D (-754) (-)

Ion 75.90 (75.60 to 76.60): VN063360.D (-754) (-)





#15

Acrylonitrile

Concen: 241.105 ug/l

RT: 4.93 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

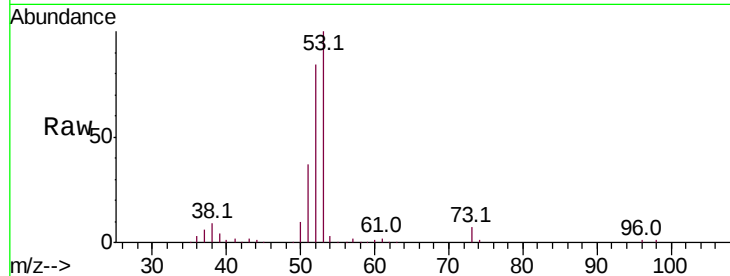
Tot Ion: 53 Resp: 344800

Ion Ratio Lower Upper

53 100

52 83.4 66.4 99.6

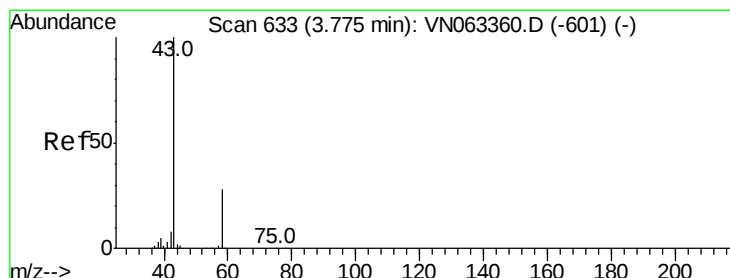
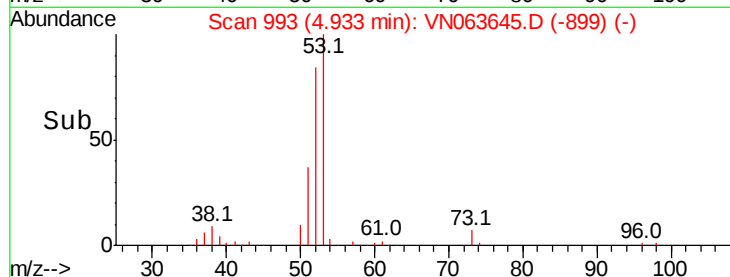
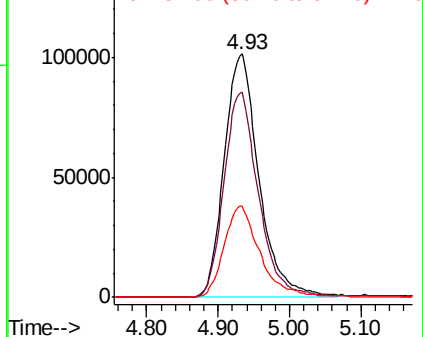
51 38.7 30.2 45.4



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: 237.228 ug/l

RT: 3.78 min Scan# 633

Delta R.T. -0.00 min

Lab File: VN063645.D

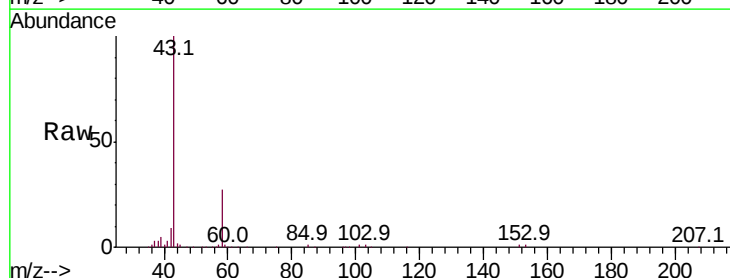
Acq: 24 Sep 2020 21:51

Tgt Ion: 43 Resp: 309407

Ion Ratio Lower Upper

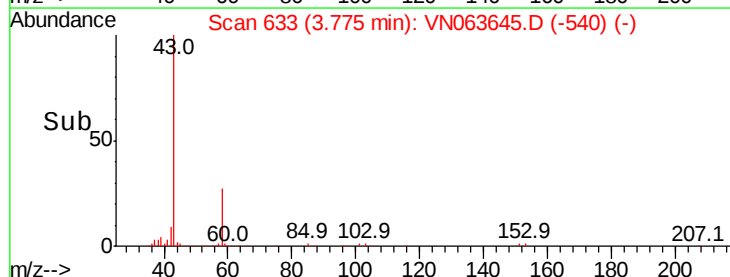
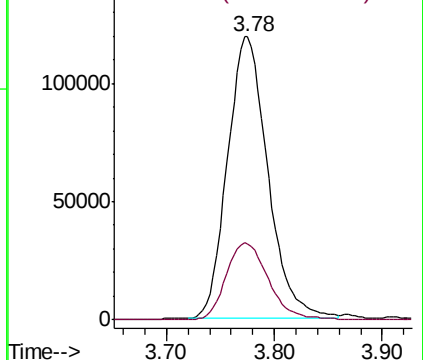
43 100

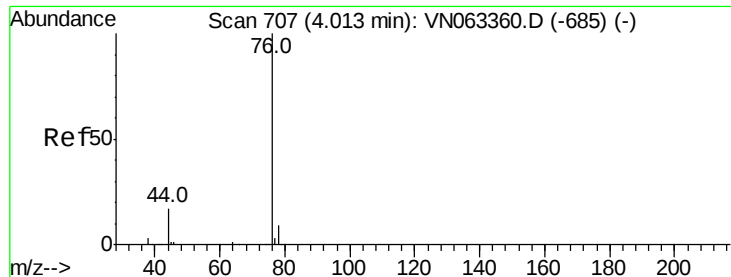
58 26.8 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

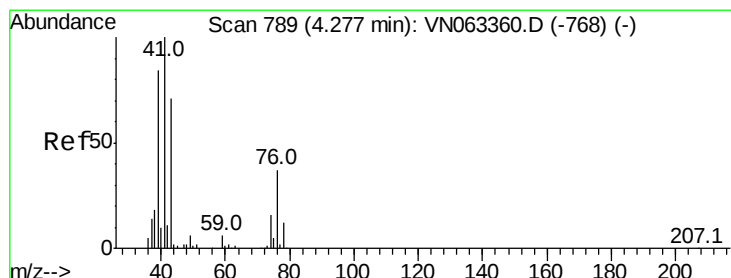
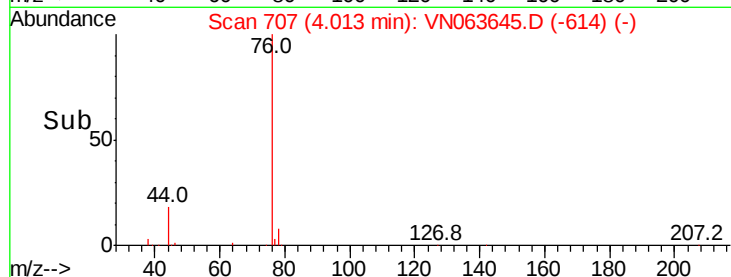
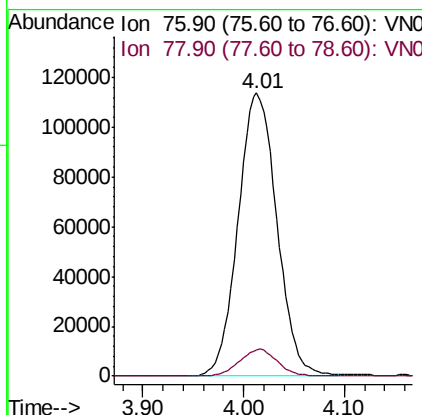
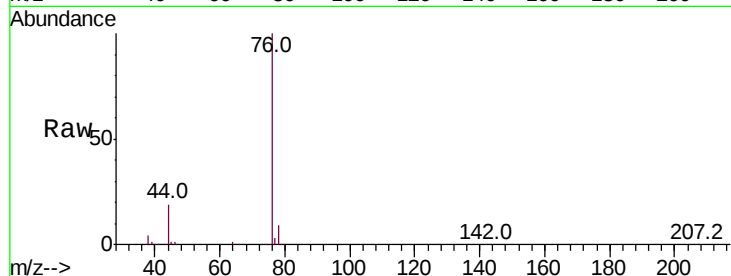




#17
Carbon Disulfide
Concen: 38.781 ug/l
RT: 4.01 min Scan# 707
Delta R.T. -0.00 min
Lab File: VN063645.D
Acq: 24 Sep 2020 21:51

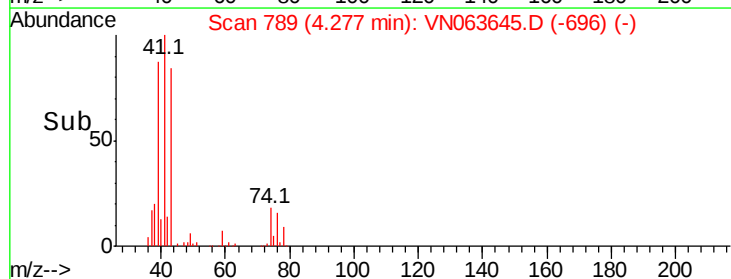
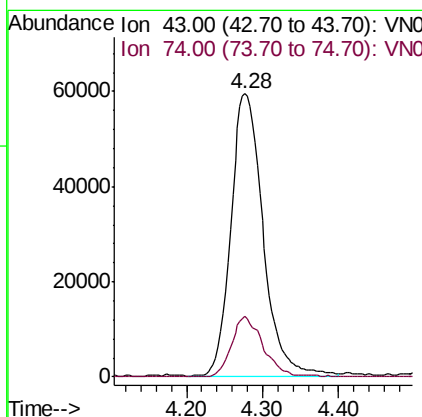
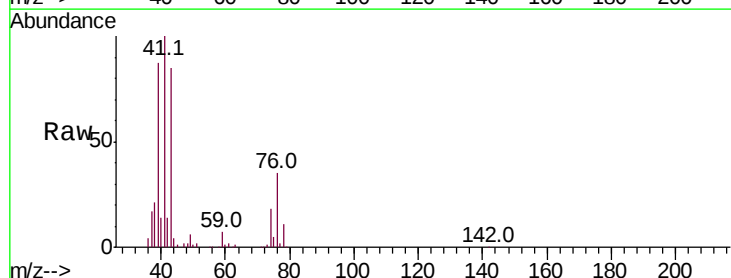
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

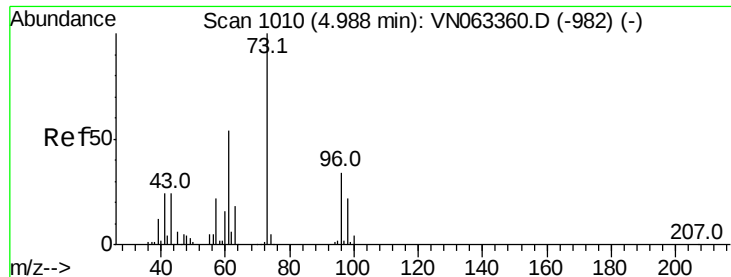
Tot Ion: 76 Resp: 303482
Ion Ratio Lower Upper
76 100
78 9.3 7.2 10.8



#18
Methyl Acetate
Concen: 52.752 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN063645.D
Acq: 24 Sep 2020 21:51

Tgt Ion: 43 Resp: 174665
Ion Ratio Lower Upper
43 100
74 20.8 17.4 26.2

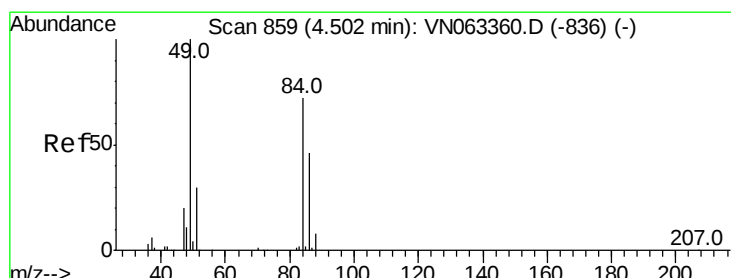
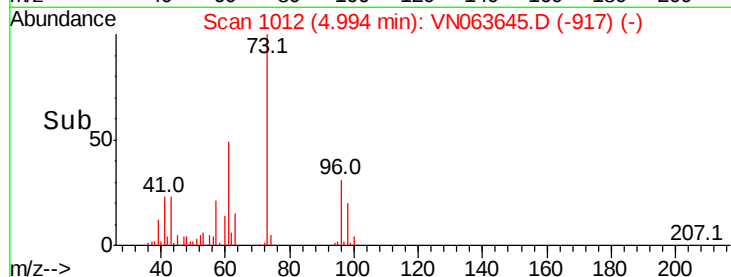
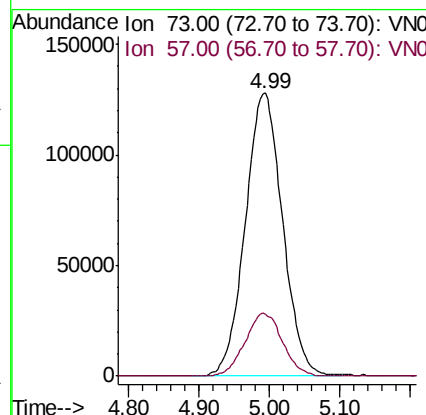
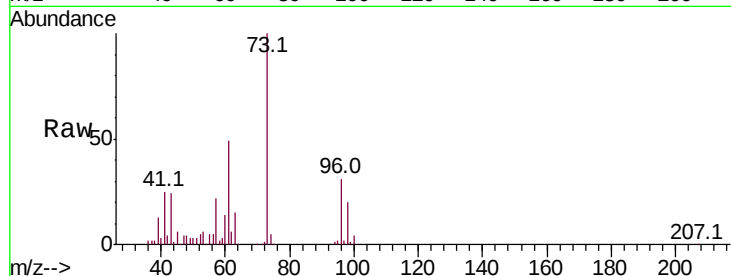




#19
Methyl tert-butyl Ether
Concen: 47.009 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VN063645.D
Acq: 24 Sep 2020 21:51

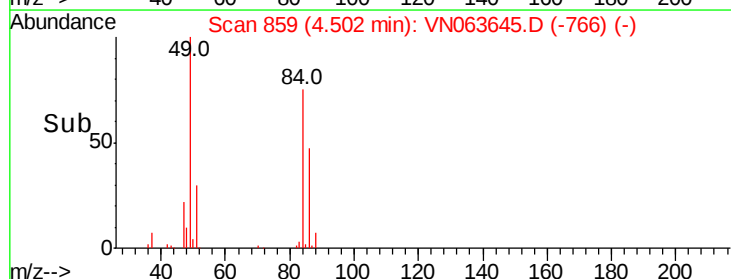
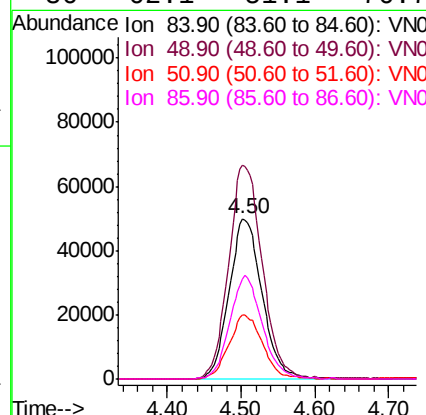
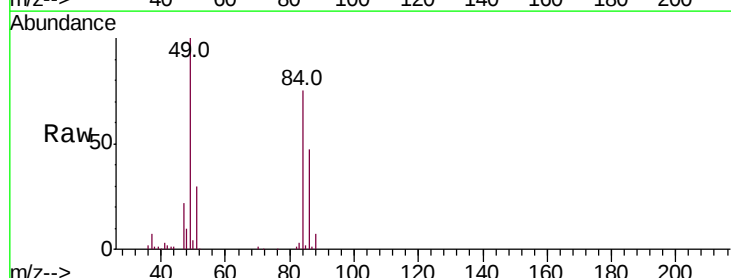
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

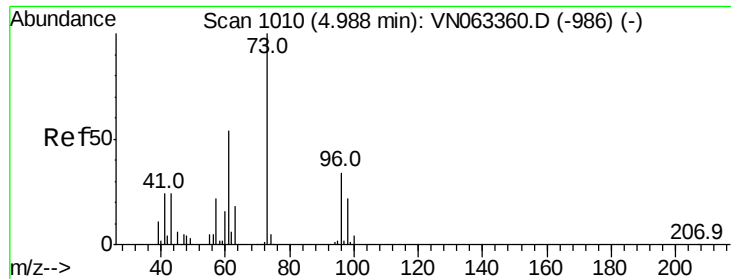
Tot Ion: 73 Resp: 471364
Ion Ratio Lower Upper
73 100
57 21.8 17.9 26.9



#20
Methylene Chloride
Concen: 47.048 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN063645.D
Acq: 24 Sep 2020 21:51

Tgt Ion: 84 Resp: 155471
Ion Ratio Lower Upper
84 100
49 133.5 110.7 166.1
51 40.2 32.9 49.3
86 62.1 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 43.666 ug/l

RT: 4.99 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

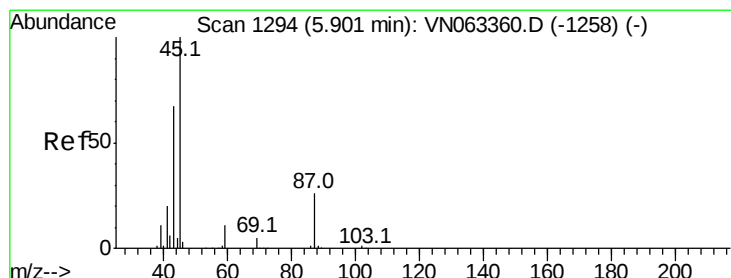
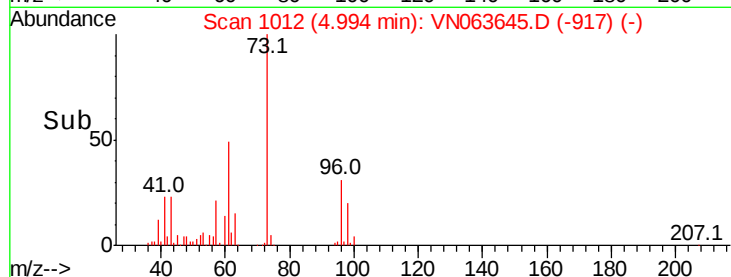
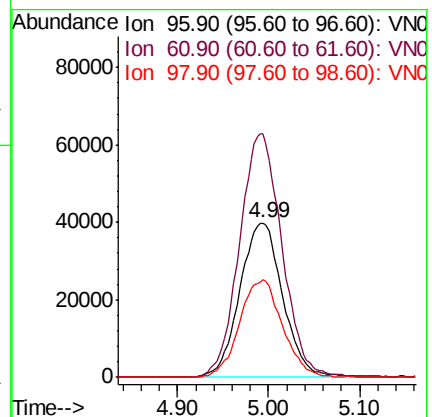
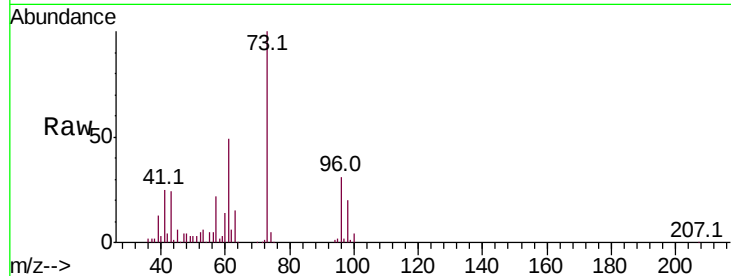
Tot Ion: 96 Resp: 130157

Ion Ratio Lower Upper

96 100

61 157.9 126.2 189.4

98 63.4 51.0 76.4



#22

Diisopropyl ether

Concen: 46.725 ug/l

RT: 5.90 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

Tgt Ion: 45 Resp: 507120

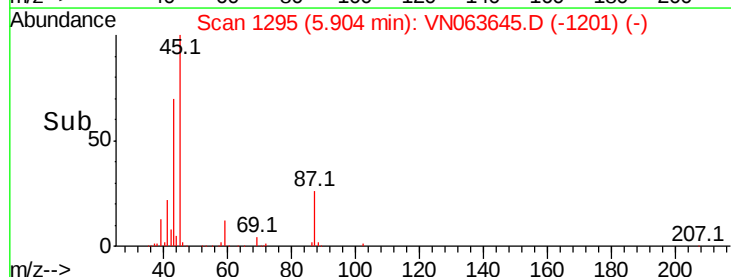
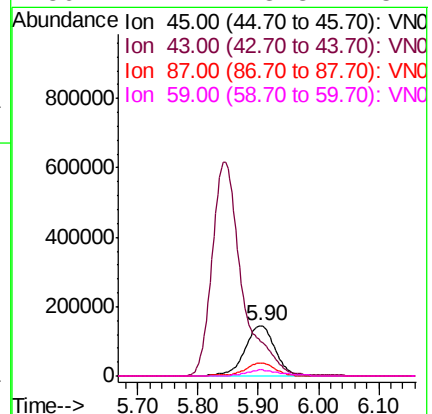
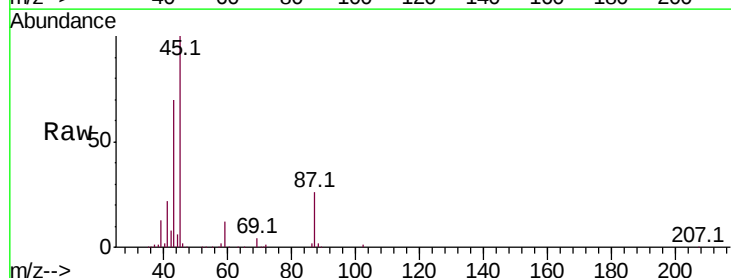
Ion Ratio Lower Upper

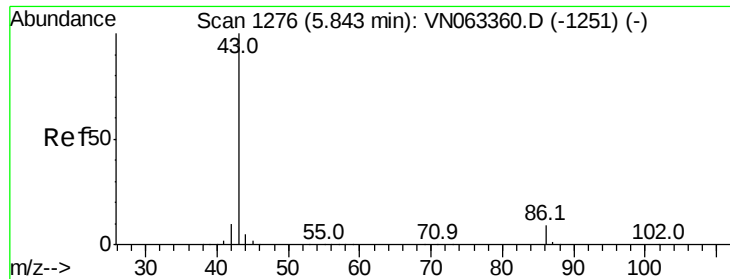
45 100

43 68.5 53.5 80.3

87 26.3 21.2 31.8

59 12.2 8.8 13.2





#23

Vinyl Acetate

Concen: 236.209 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

Instrument :

MSVOA_N

ClientSampleId :

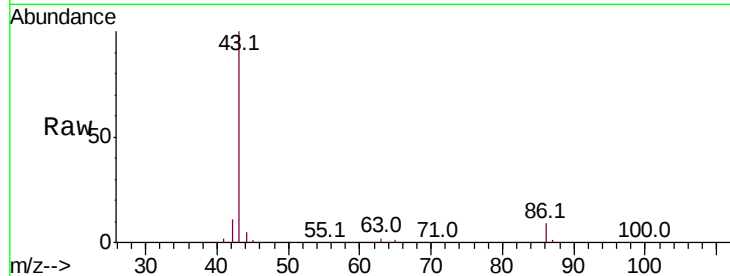
VSTDCCC050EC

Tot Ion: 43 Resp: 2105440

Ion Ratio Lower Upper

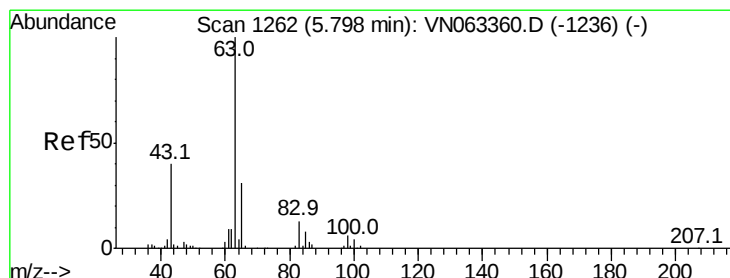
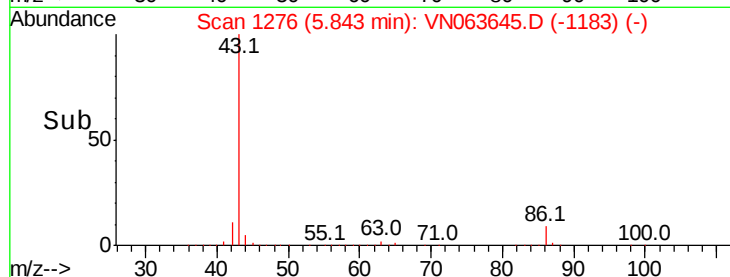
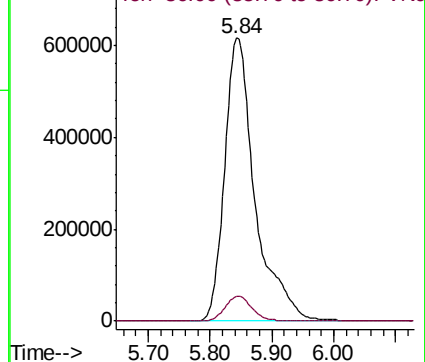
43 100

86 8.8 7.1 10.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 46.170 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

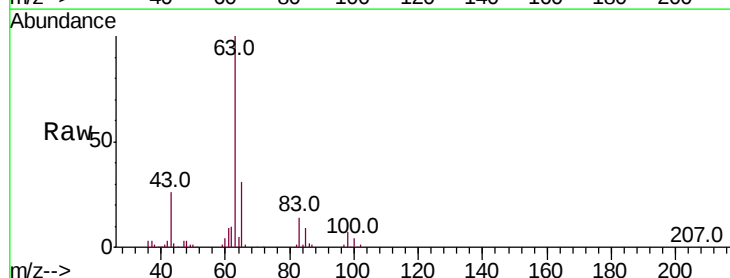
Tgt Ion: 63 Resp: 273577

Ion Ratio Lower Upper

63 100

98 6.5 2.9 8.8

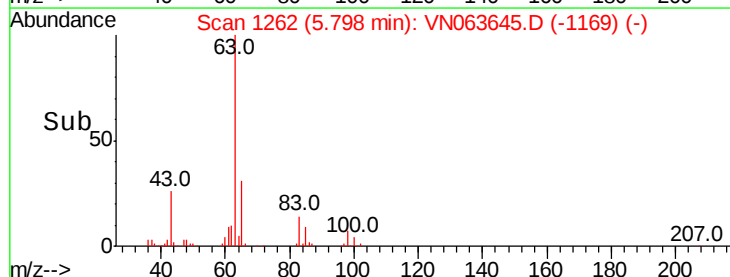
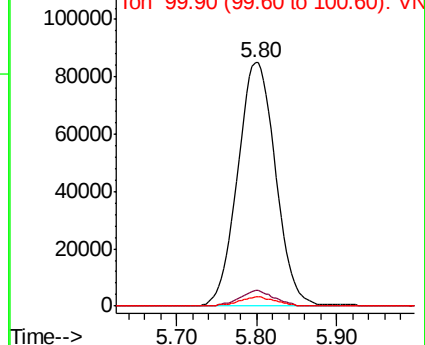
100 3.8 2.1 6.3

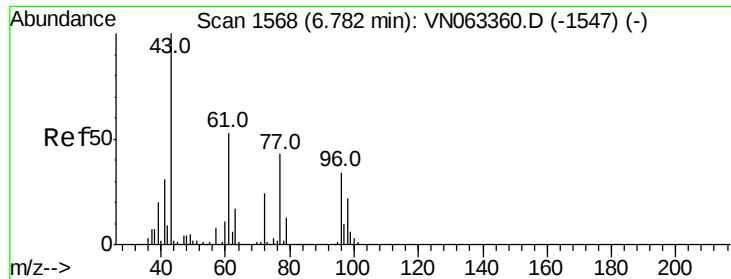


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

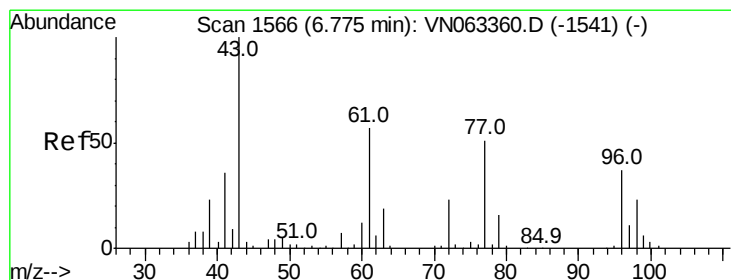
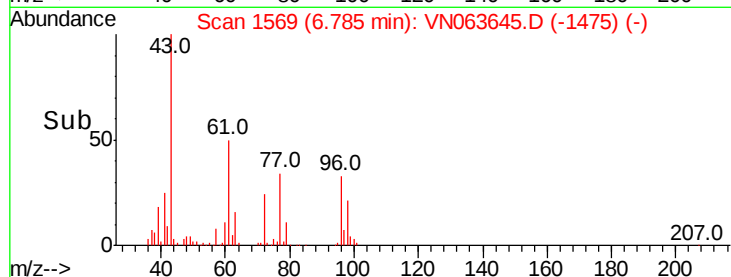
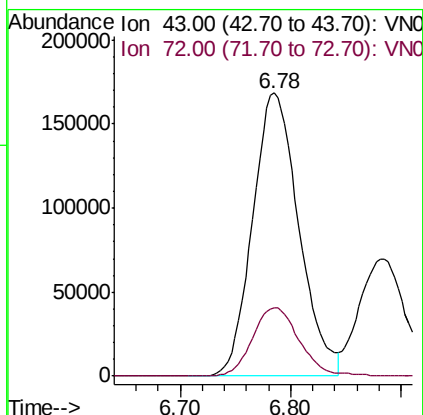
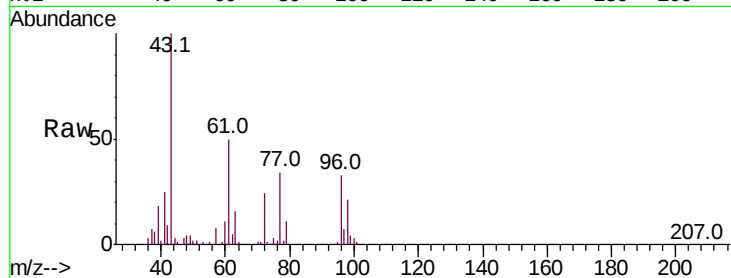




#25
2-Butanone
Concen: 243.946 ug/l
RT: 6.78 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VN063645.D
Acq: 24 Sep 2020 21:51

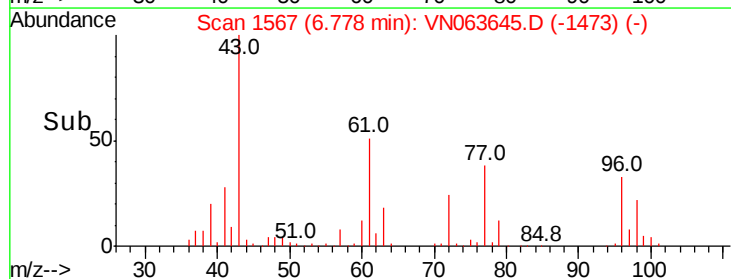
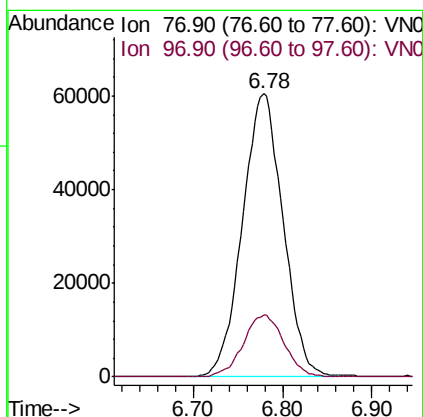
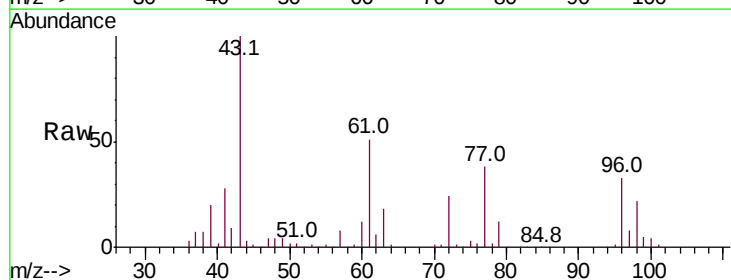
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

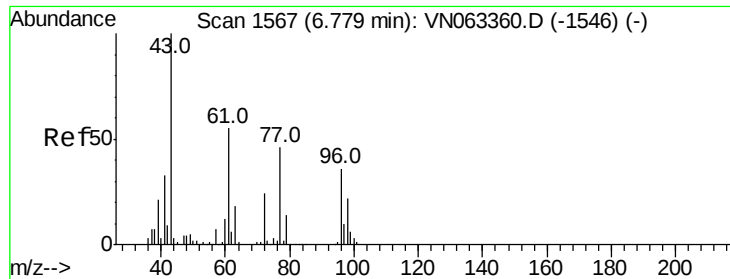
Tot Ion: 43 Resp: 489336
Ion Ratio Lower Upper
43 100
72 24.2 19.2 28.8



#26
2,2-Dichloropropane
Concen: 36.726 ug/l
RT: 6.78 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VN063645.D
Acq: 24 Sep 2020 21:51

Tgt Ion: 77 Resp: 191598
Ion Ratio Lower Upper
77 100
97 22.0 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 46.457 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.01 min

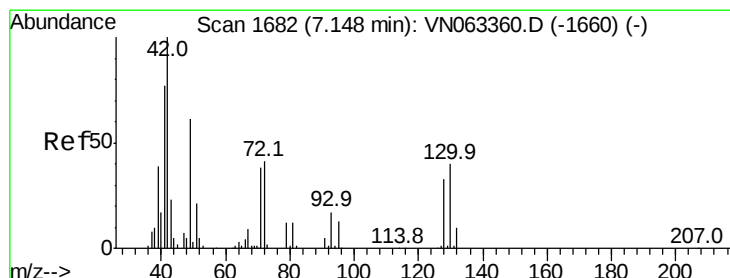
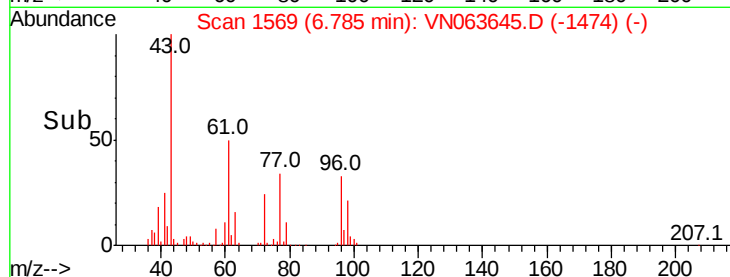
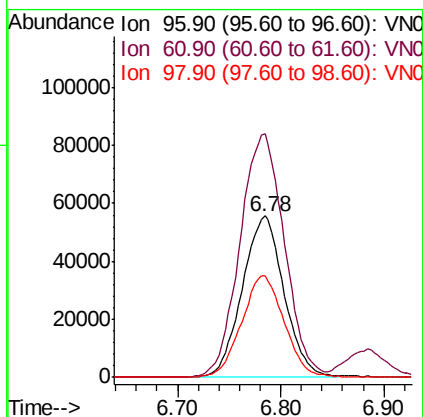
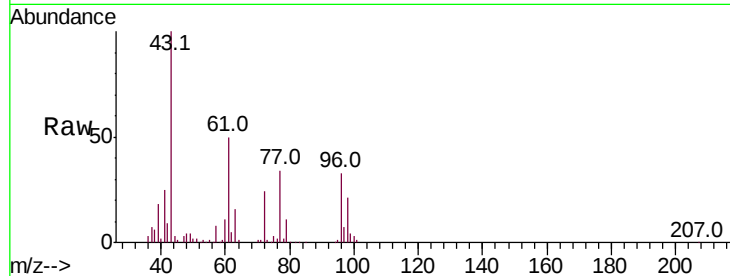
Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 156736

Ion	Ratio	Lower	Upper
96	100		
61	160.4	0.0	319.6
98	64.3	0.0	127.8



#28

Bromochloromethane

Concen: 48.995 ug/l

RT: 7.15 min Scan# 1683

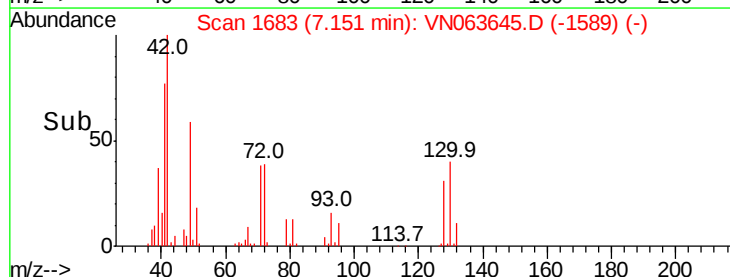
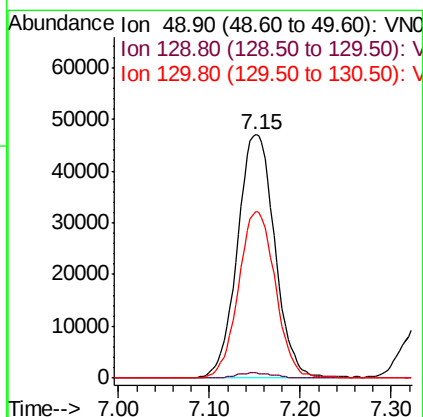
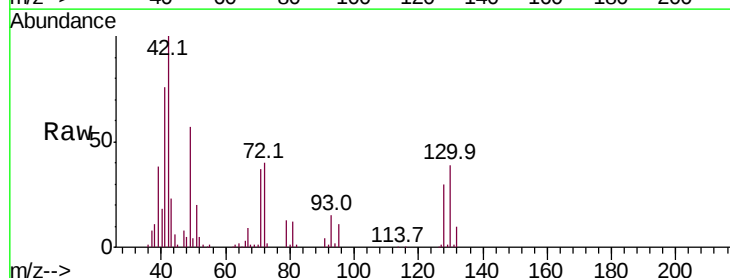
Delta R.T. 0.00 min

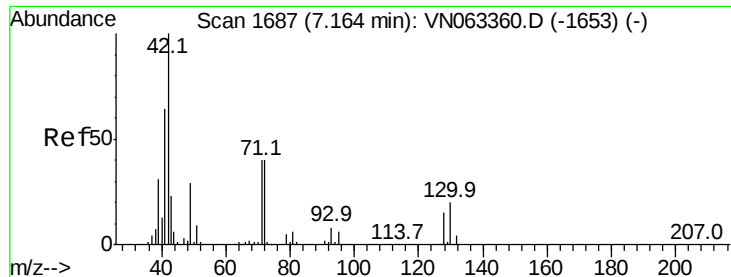
Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

Tgt Ion: 49 Resp: 134047

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	67.6	52.2	78.2





#29

Tetrahydrofuran

Concen: 234.037 ug/l

RT: 7.16 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

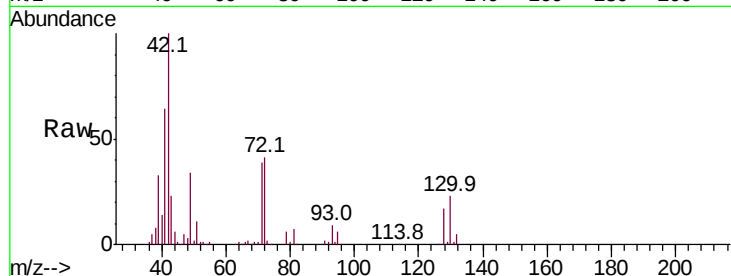
Tot Ion: 42 Resp: 320631

Ion Ratio Lower Upper

42 100

72 40.7 32.1 48.1

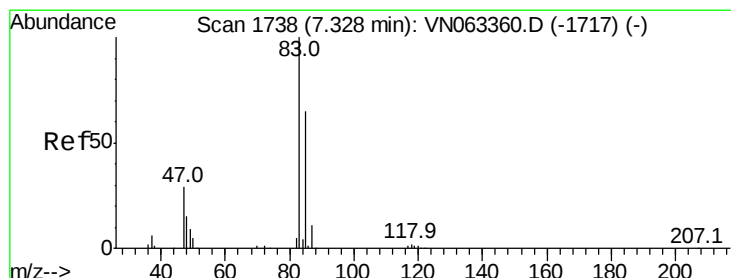
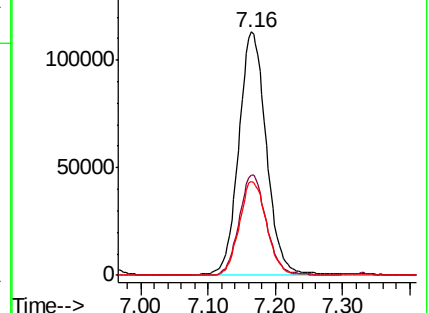
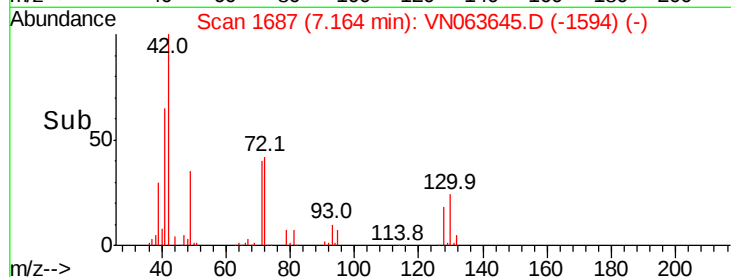
71 37.9 31.2 46.8



Abundance Ion 42.00 (41.70 to 42.70): VN063360.D (-1653) (-)

Ion 72.00 (71.70 to 72.70): VN063360.D (-1653) (-)

Ion 71.00 (70.70 to 71.70): VN063360.D (-1653) (-)



#30

Chloroform

Concen: 48.167 ug/l

RT: 7.33 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VN063645.D

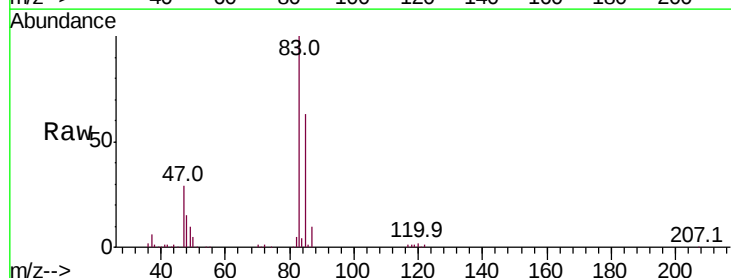
Acq: 24 Sep 2020 21:51

Tgt Ion: 83 Resp: 286347

Ion Ratio Lower Upper

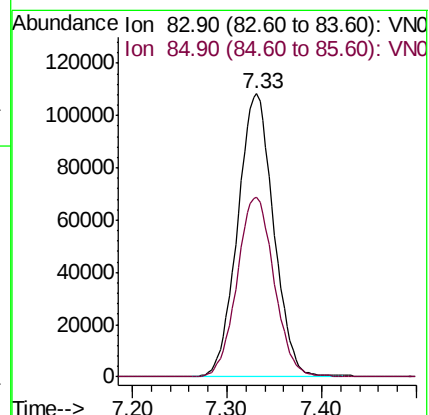
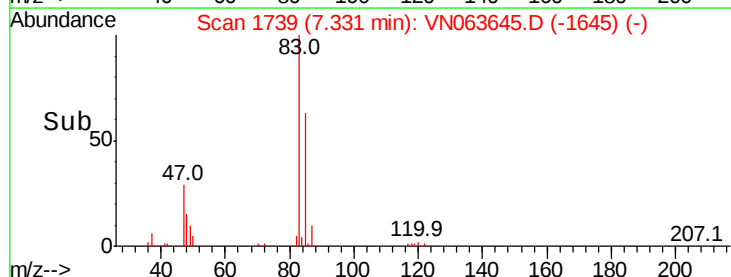
83 100

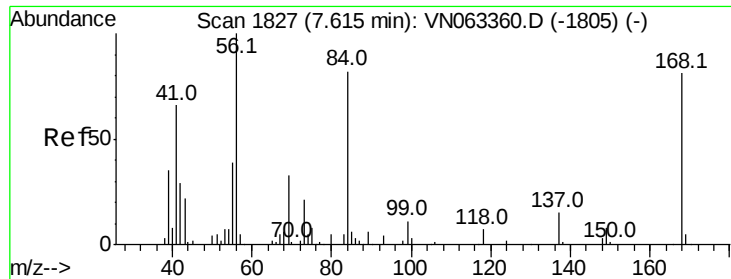
85 63.4 52.1 78.1



Abundance Ion 82.90 (82.60 to 83.60): VN063360.D (-1717) (-)

Ion 84.90 (84.60 to 85.60): VN063360.D (-1717) (-)

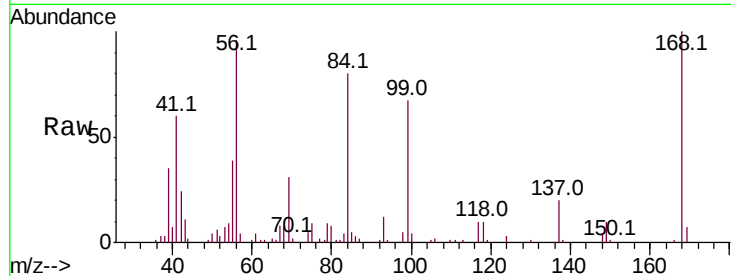




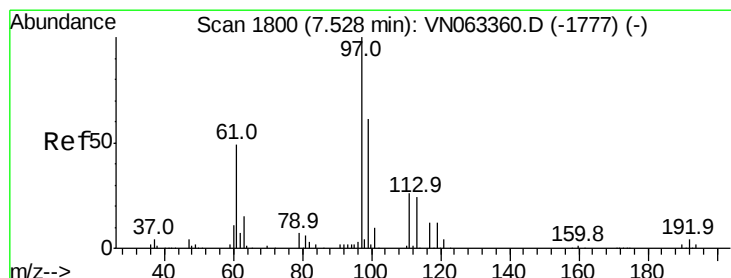
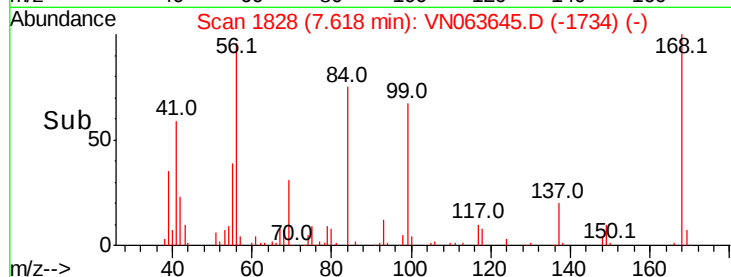
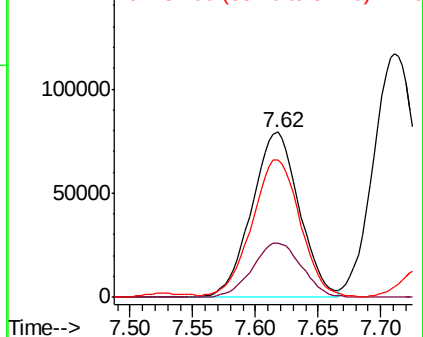
#31
Cyclohexane
Concen: 37.420 ug/l
RT: 7.62 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN063645.D
Acq: 24 Sep 2020 21:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 209736
Ion Ratio Lower Upper
56 100
69 32.7 26.1 39.1
84 81.6 65.4 98.2

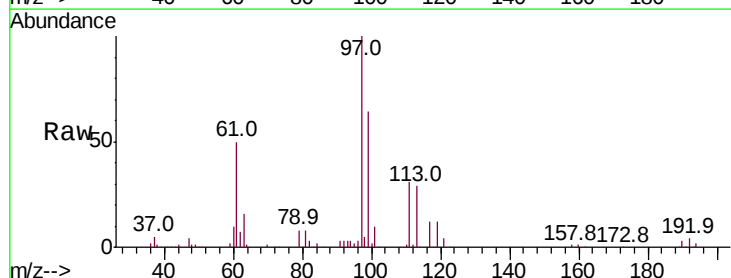


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

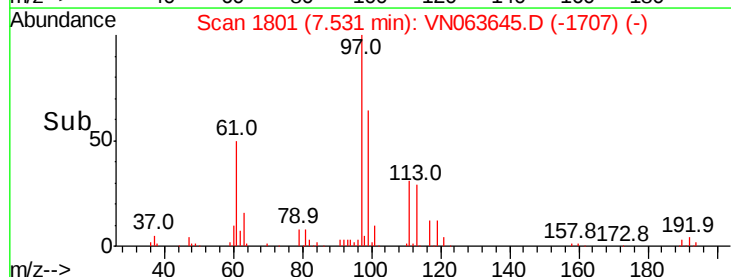
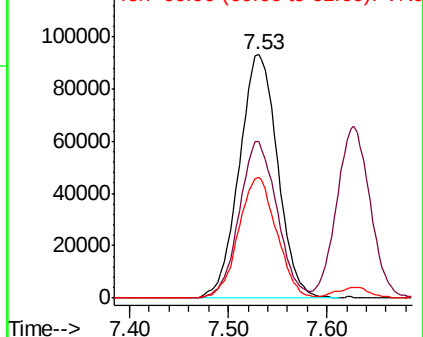


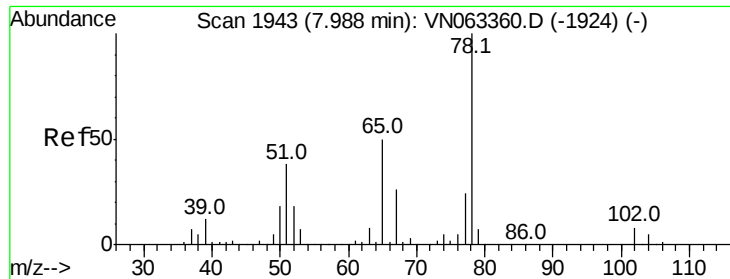
#32
1,1,1-Trichloroethane
Concen: 47.458 ug/l
RT: 7.53 min Scan# 1801
Delta R.T. 0.00 min
Lab File: VN063645.D
Acq: 24 Sep 2020 21:51

Tgt Ion: 97 Resp: 250939
Ion Ratio Lower Upper
97 100
99 63.2 50.6 76.0
61 49.1 39.2 58.8



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

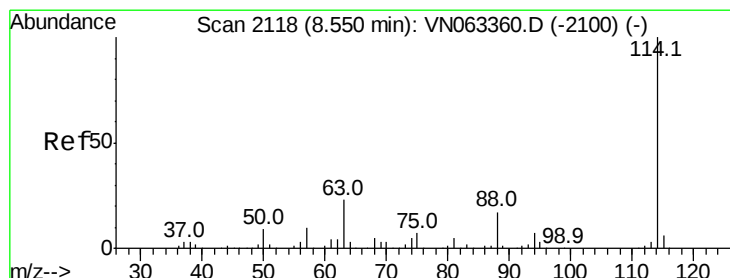
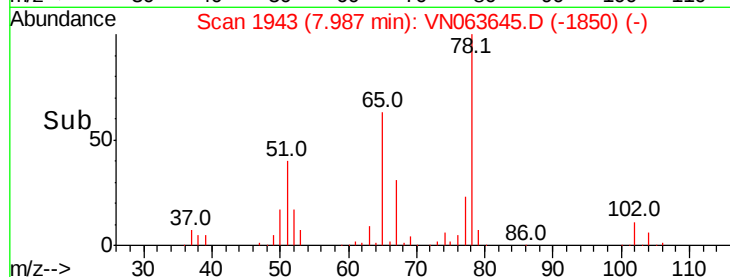
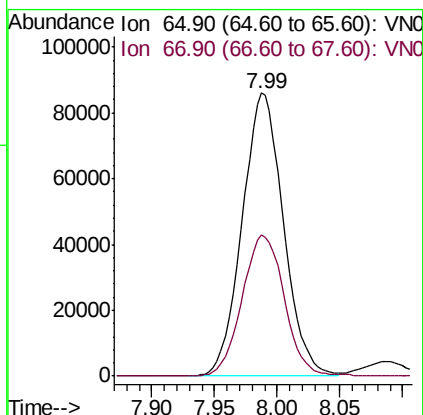
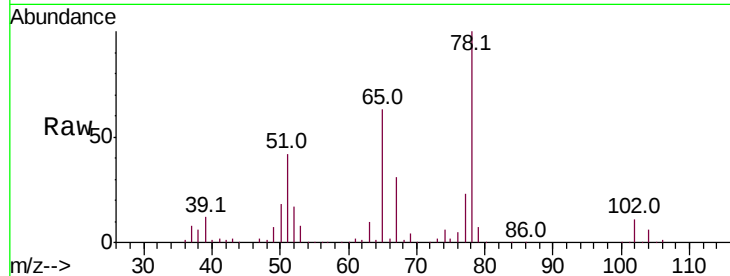




#33
 1,2-Dichloroethane-d4
 Concen: 48.580 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN063645.D
 Acq: 24 Sep 2020 21:51

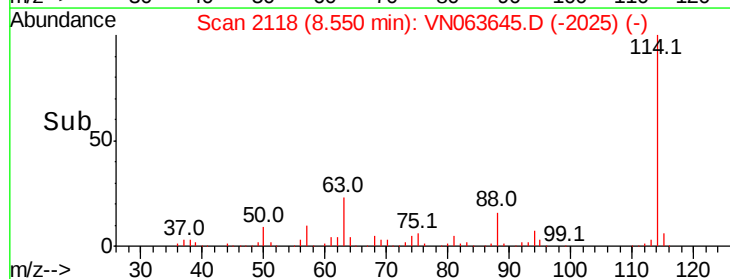
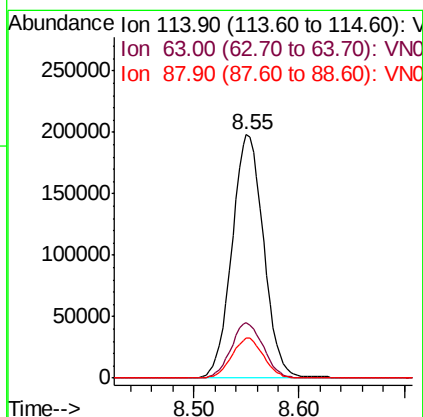
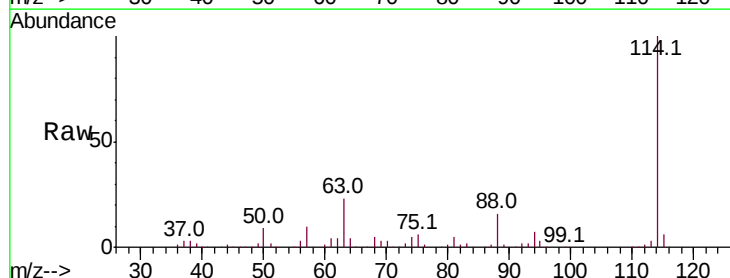
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

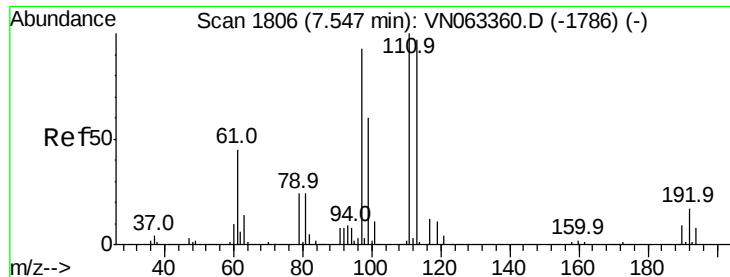
Tot Ion: 65 Resp: 197150
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063645.D
 Acq: 24 Sep 2020 21:51

Tgt Ion: 114 Resp: 412089
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 46.4
 88 16.3 0.0 33.2

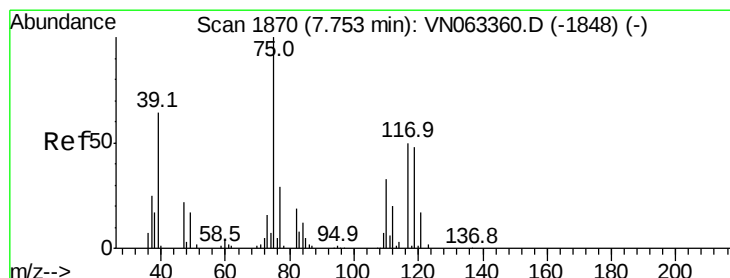
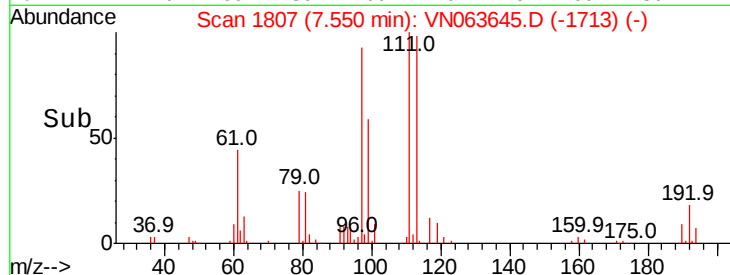
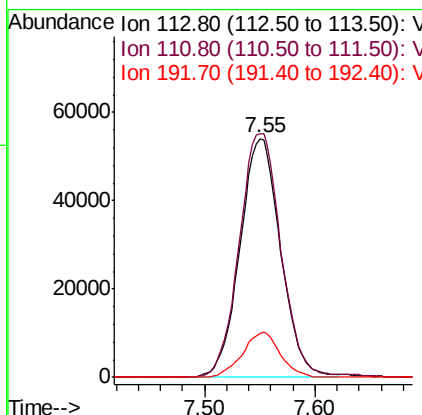
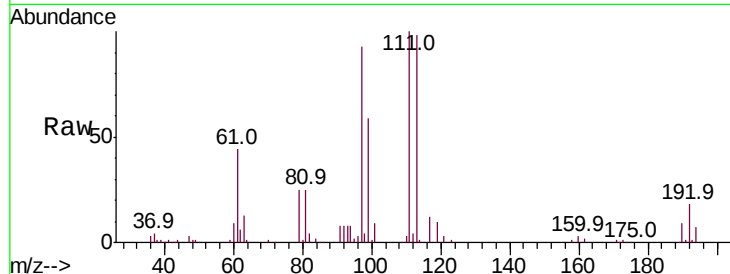




#35
 Dibromofluoromethane
 Concen: 48.401 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063645.D
 Acq: 24 Sep 2020 21:51

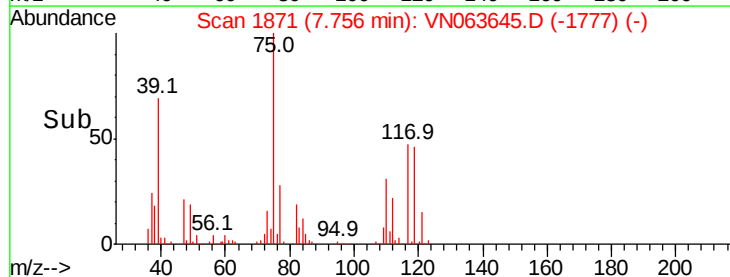
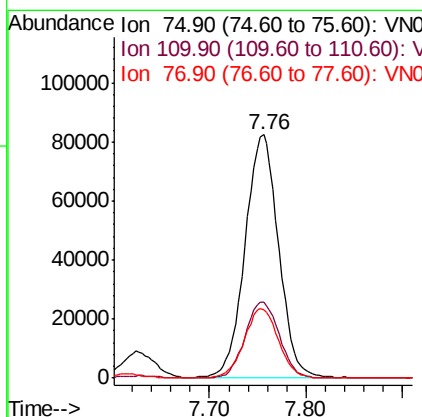
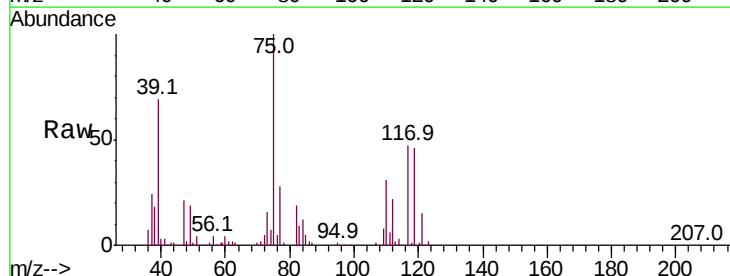
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

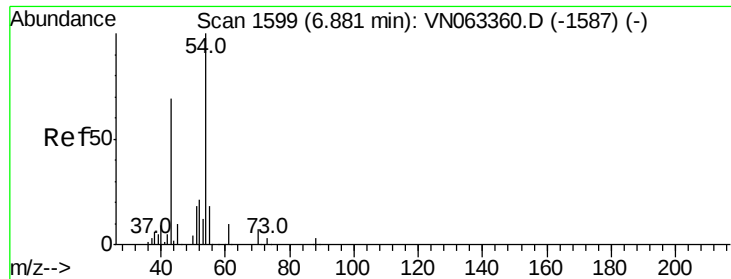
Tot Ion:113 Resp: 138079
 Ion Ratio Lower Upper
 113 100
 111 104.3 82.9 124.3
 192 17.5 13.9 20.9



#36
 1,1-Dichloropropene
 Concen: 44.979 ug/l
 RT: 7.76 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN063645.D
 Acq: 24 Sep 2020 21:51

Tgt Ion: 75 Resp: 197470
 Ion Ratio Lower Upper
 75 100
 110 32.0 16.5 49.5
 77 29.4 24.6 36.8

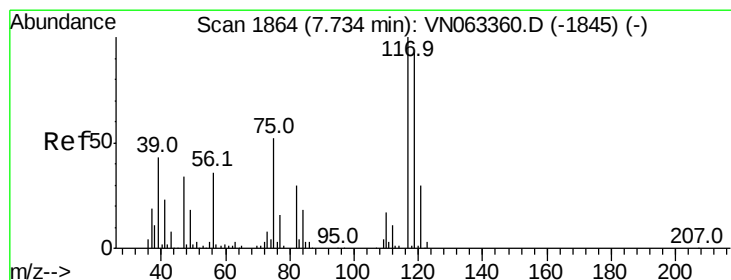
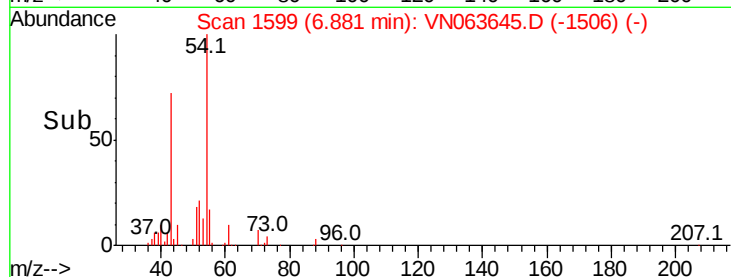
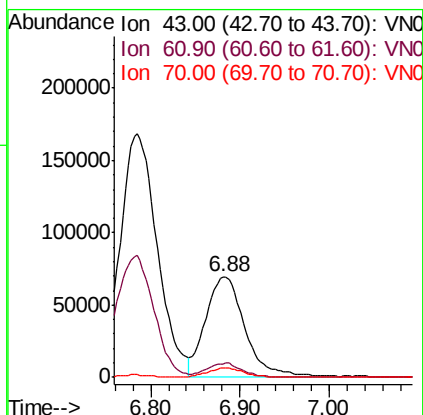
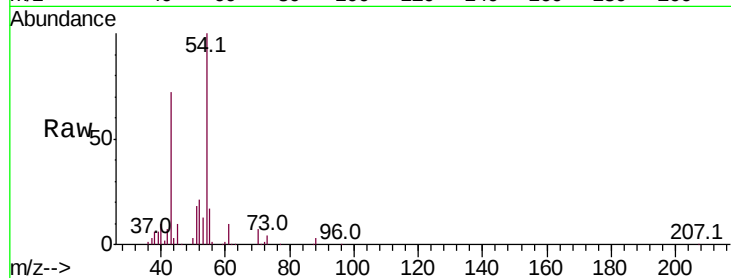




#37
Ethyl Acetate
Concen: 48.627 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN063645.D
Acq: 24 Sep 2020 21:51

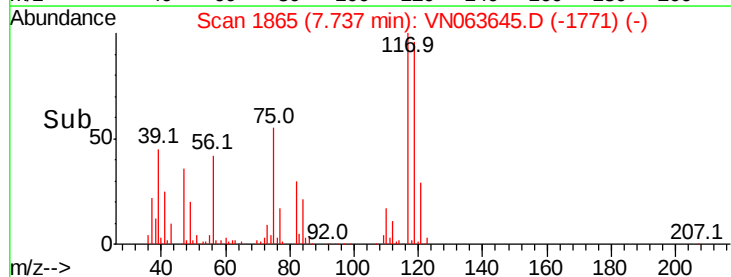
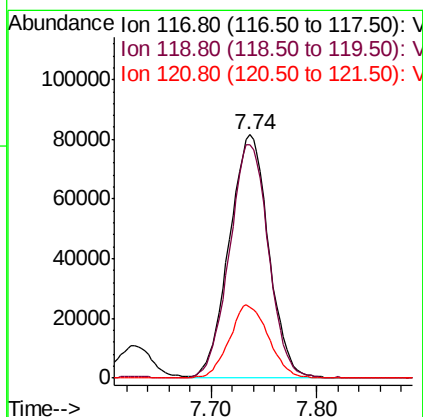
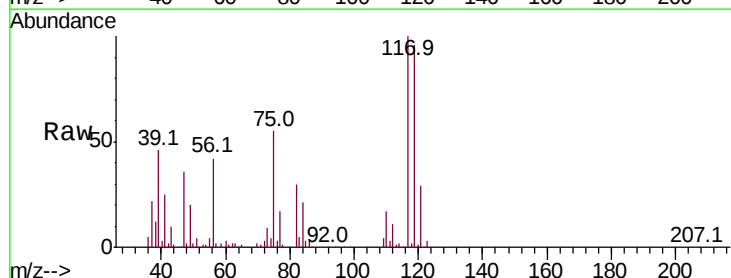
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

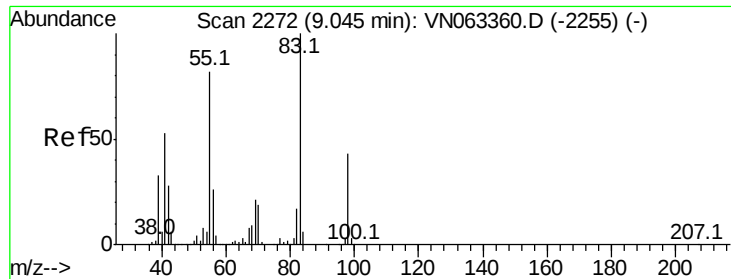
Tot Ion: 43 Resp: 209527
Ion Ratio Lower Upper
43 100
61 12.6 10.6 15.8
70 8.9 7.2 10.8



#38
Carbon Tetrachloride
Concen: 47.039 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN063645.D
Acq: 24 Sep 2020 21:51

Tgt Ion: 117 Resp: 210809
Ion Ratio Lower Upper
117 100
119 95.8 74.5 111.7
121 29.2 24.1 36.1

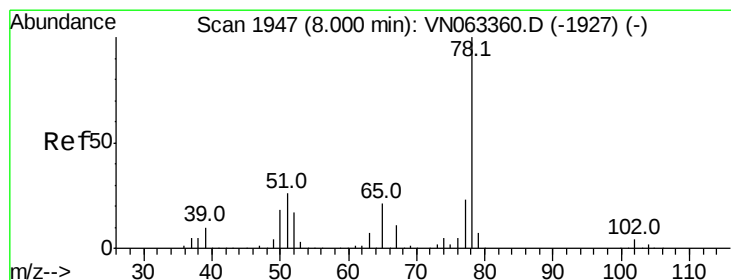
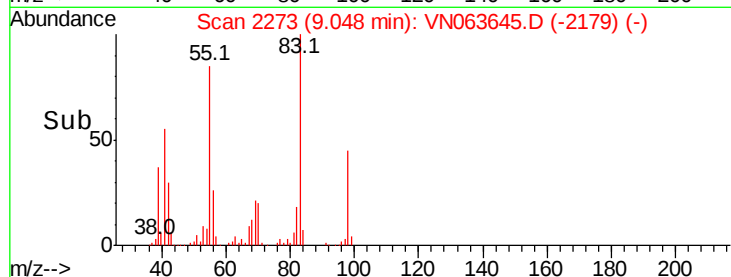
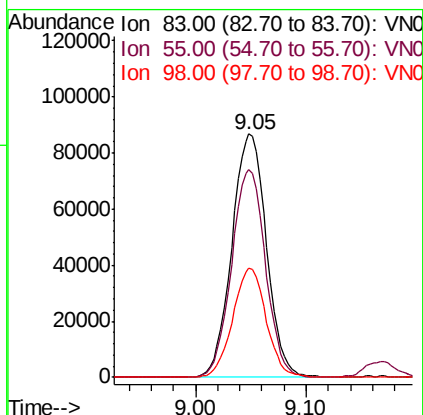
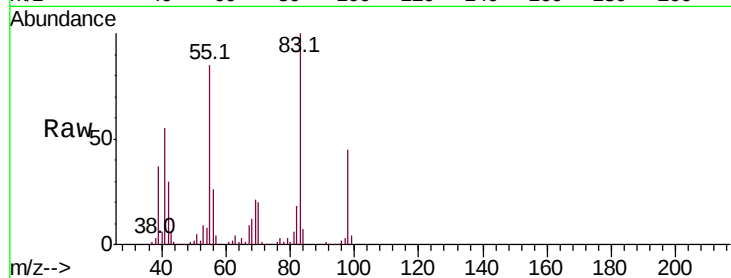




#39
Methvlcvclohexane
Concen: 39.534 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN063645.D
Acq: 24 Sep 2020 21:51

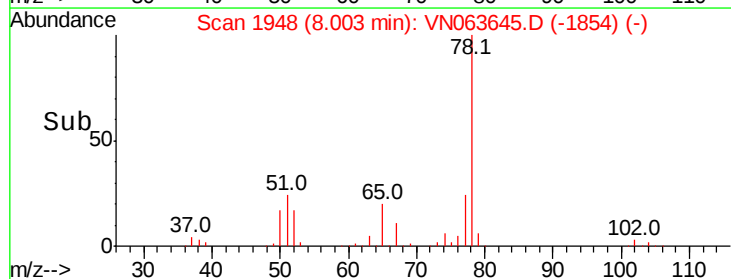
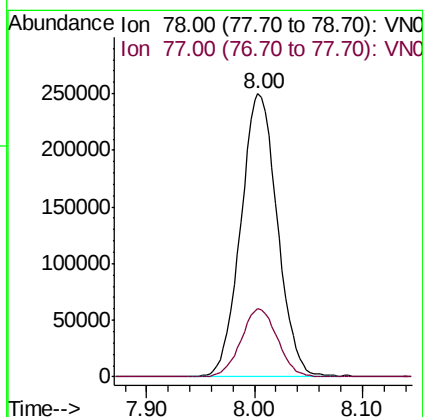
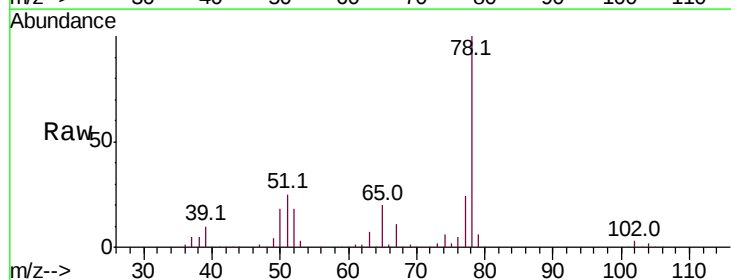
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

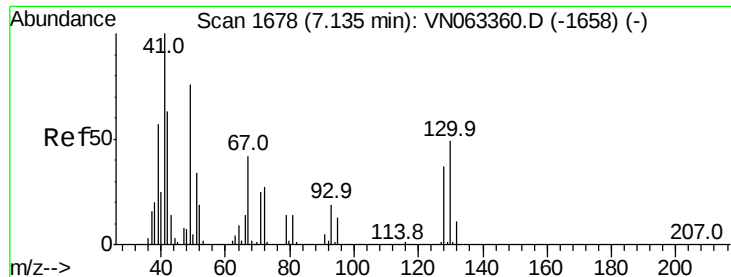
Tot Ion: 83 Resp: 188372
Ion Ratio Lower Upper
83 100
55 85.2 65.5 98.3
98 45.0 34.2 51.4



#40
Benzene
Concen: 47.020 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063645.D
Acq: 24 Sep 2020 21:51

Tgt Ion: 78 Resp: 589276
Ion Ratio Lower Upper
78 100
77 24.2 18.3 27.5

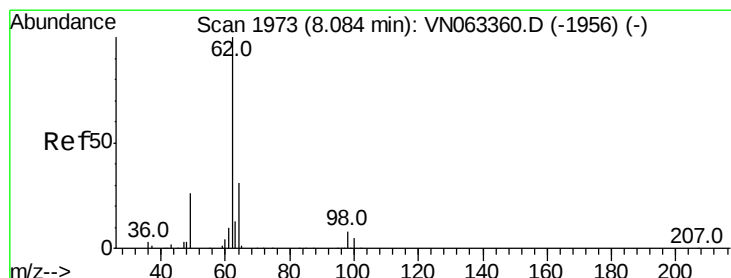
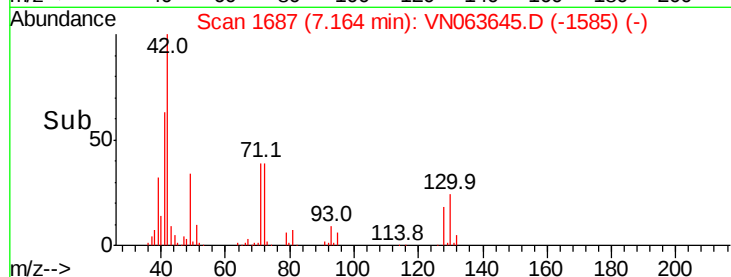
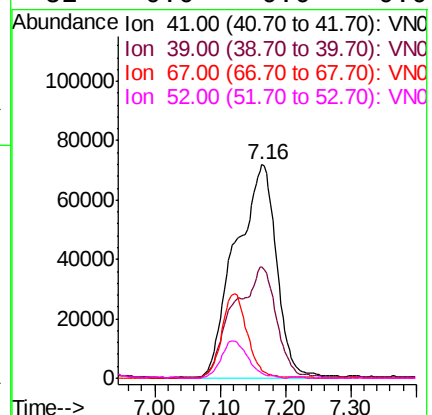
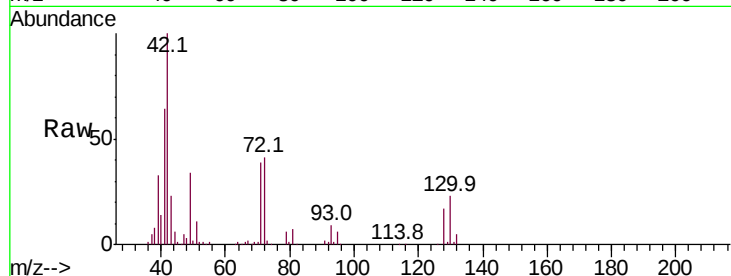




#41
Methacrylonitrile
Concen: 163.103 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. 0.03 min
Lab File: VN063645.D
Acq: 24 Sep 2020 21:51

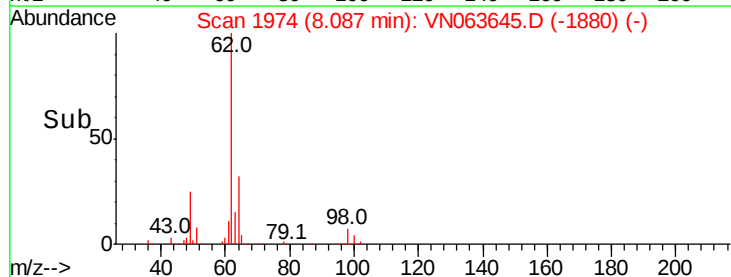
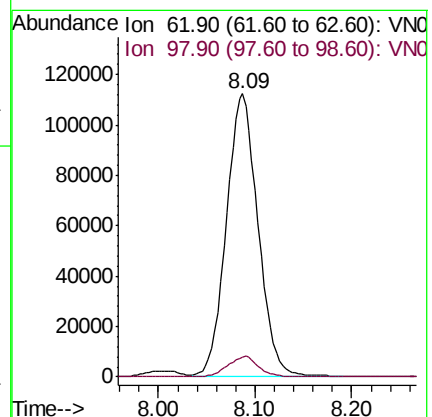
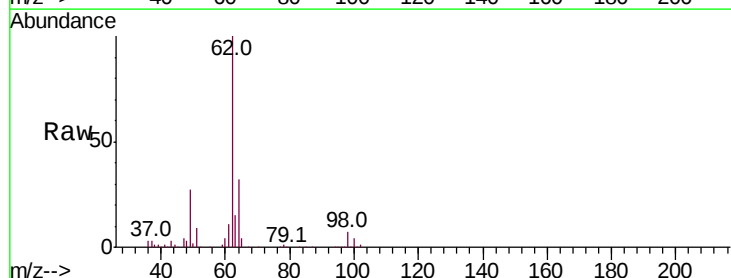
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

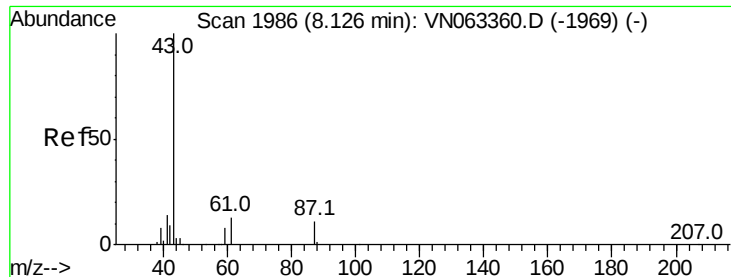
Tot Ion:	41	Resp:	316085
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 50.291 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN063645.D
Acq: 24 Sep 2020 21:51

Tgt Ion:	62	Resp:	253461
Ion	Ratio	Lower	Upper
62	100		
98	7.1	0.0	15.6





#43

Isopropyl Acetate

Concen: 46.786 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

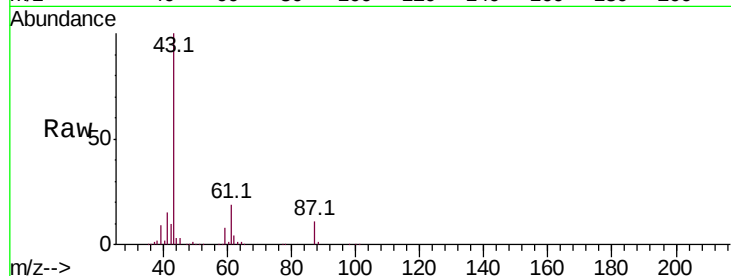
Tot Ion: 43 Resp: 360470

Ion Ratio Lower Upper

43 100

61 24.8 14.2 21.2#

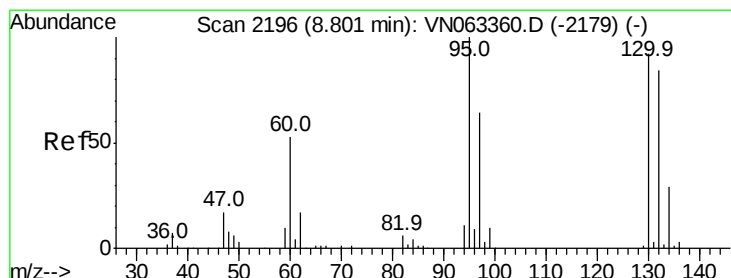
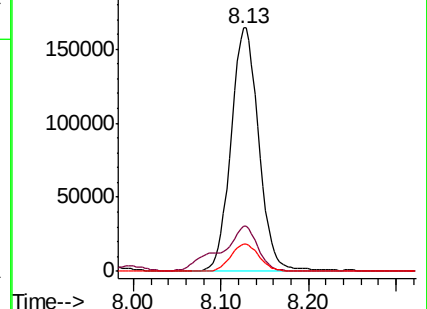
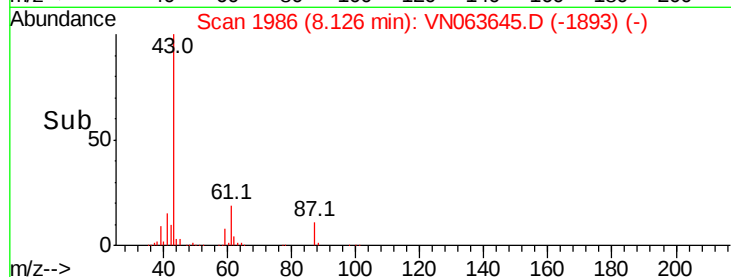
87 11.5 9.0 13.6



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) (-)



#44

Trichloroethene

Concen: 47.506 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN063645.D

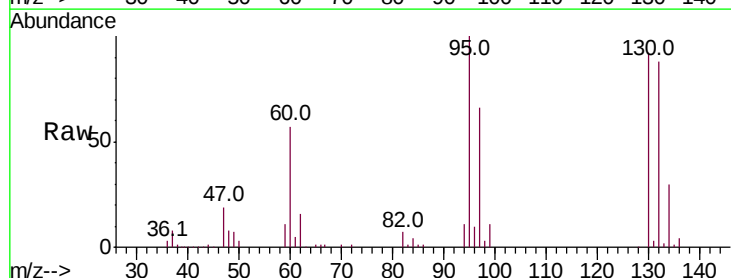
Acq: 24 Sep 2020 21:51

Tgt Ion:130 Resp: 144404

Ion Ratio Lower Upper

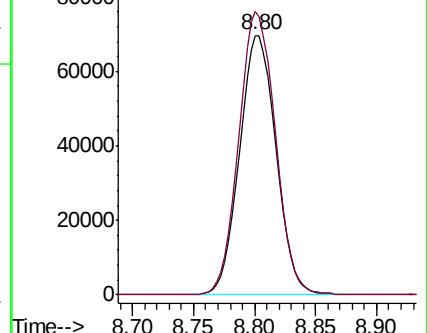
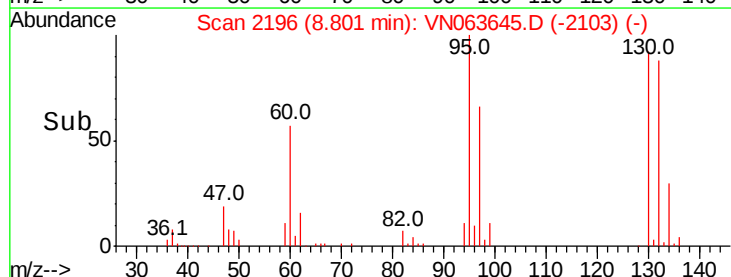
130 100

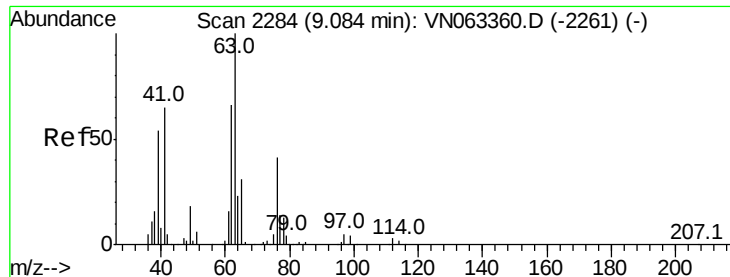
95 109.2 0.0 217.4



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

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





#45

1,2-Dichloropropane

Concen: 47.738 ug/l

RT: 9.09 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

Instrument :

MSVOA_N

ClientSampleId :

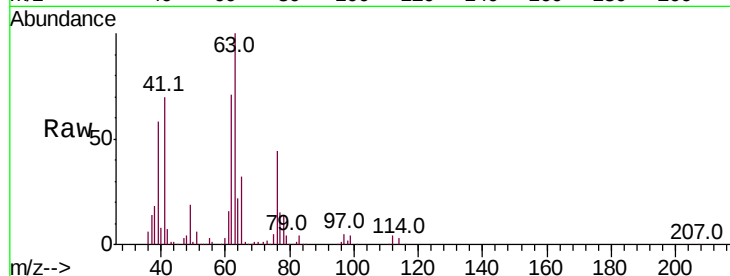
VSTDCCC050EC

Tot Ion: 63 Resp: 162946

Ion Ratio Lower Upper

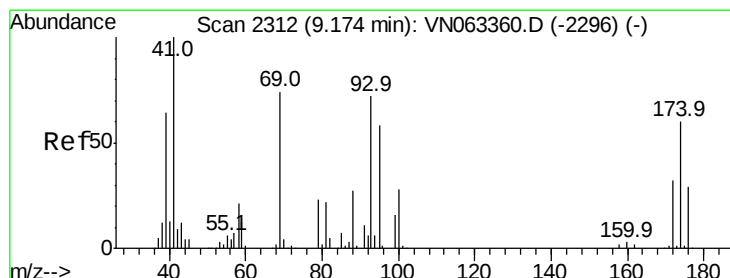
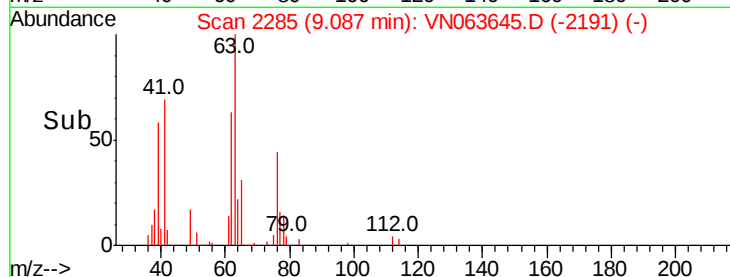
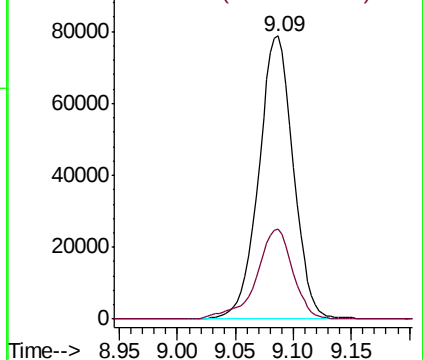
63 100

65 32.0 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 49.488 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

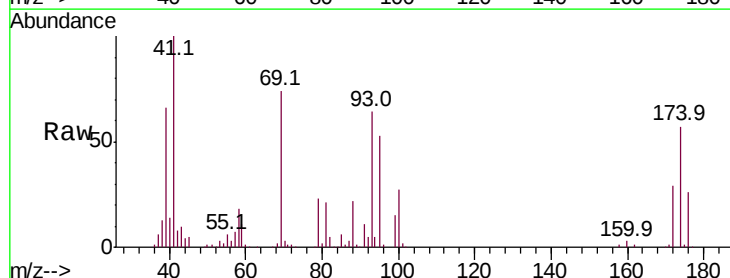
Tgt Ion: 93 Resp: 111023

Ion Ratio Lower Upper

93 100

95 83.0 65.6 98.4

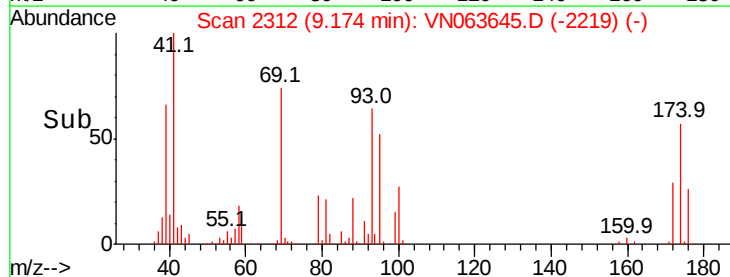
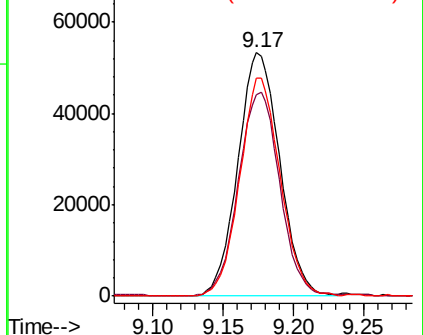
174 86.5 68.1 102.1

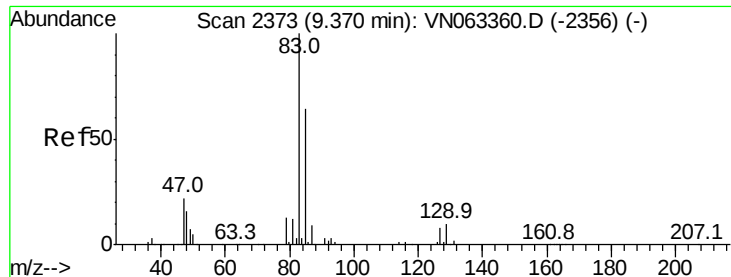


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





#47

Bromodichloromethane

Concen: 50.147 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

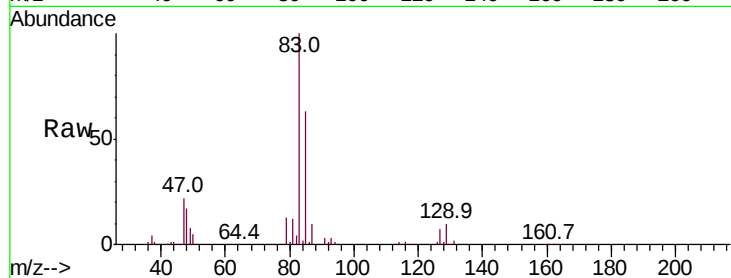
Tot Ion: 83 Resp: 233719

Ion Ratio Lower Upper

83 100

85 63.2 51.0 76.6

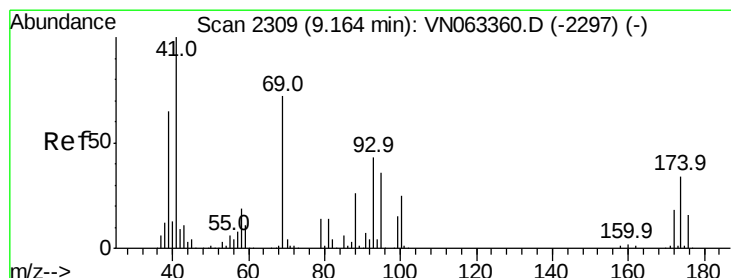
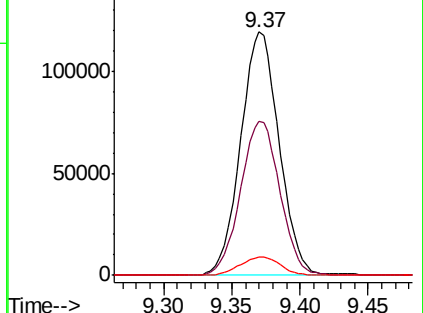
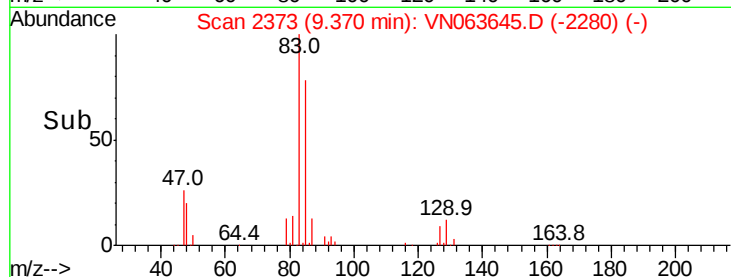
127 7.5 6.3 9.5



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: 47.018 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

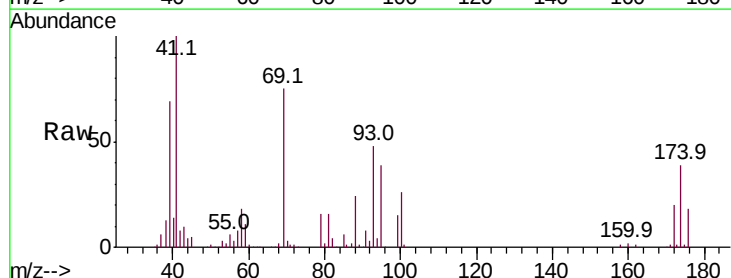
Tgt Ion: 41 Resp: 177978

Ion Ratio Lower Upper

41 100

69 76.6 59.3 88.9

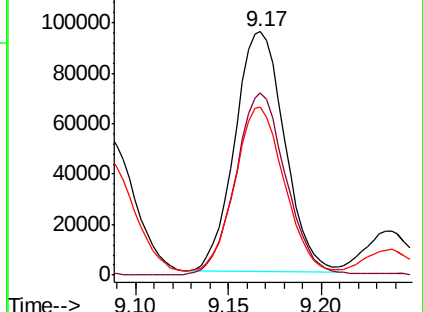
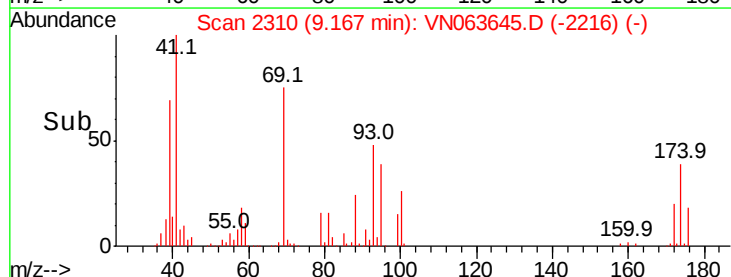
39 70.0 52.9 79.3

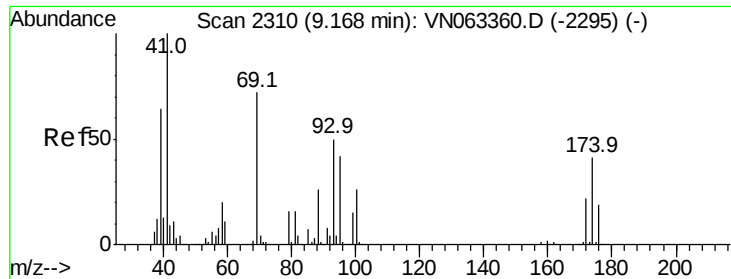


Abundance Ion 41.00 (40.70 to 41.70): VN063360.D (-2297) (-)

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: 890.822 ug/l

RT: 9.16 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

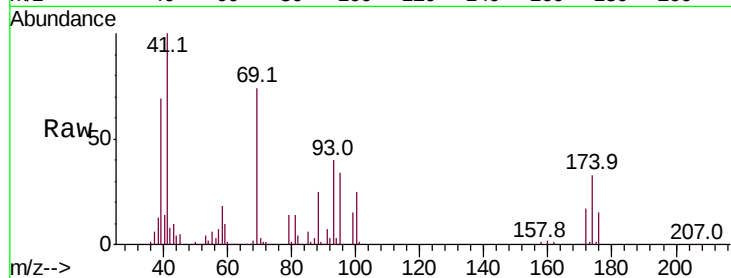
Tot Ion: 88 Resp: 48391

Ion Ratio Lower Upper

88 100

43 39.9 32.6 49.0

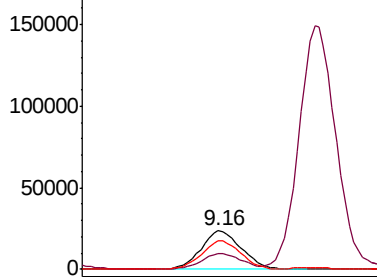
58 72.5 60.0 90.0



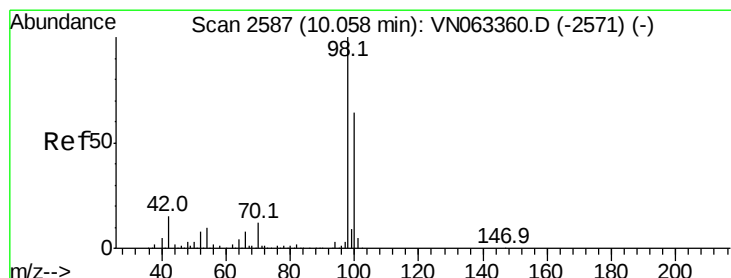
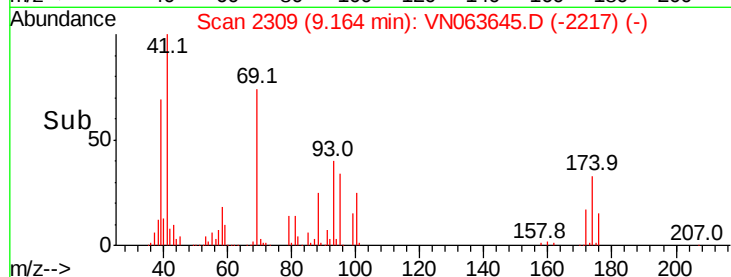
Abundance Ion 88.00 (87.70 to 88.70): VN063360.D (-2295) (-)

Ion 43.00 (42.70 to 43.70): VN063360.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN063360.D (-2295) (-)



Time-->



#50

Toluene-d8

Concen: 47.065 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063645.D

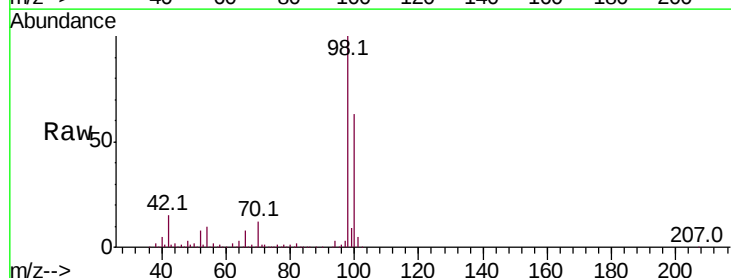
Acq: 24 Sep 2020 21:51

Tgt Ion: 98 Resp: 504869

Ion Ratio Lower Upper

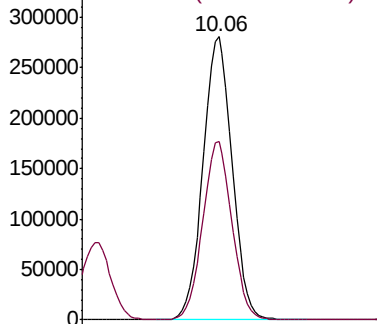
98 100

100 62.8 50.7 76.1

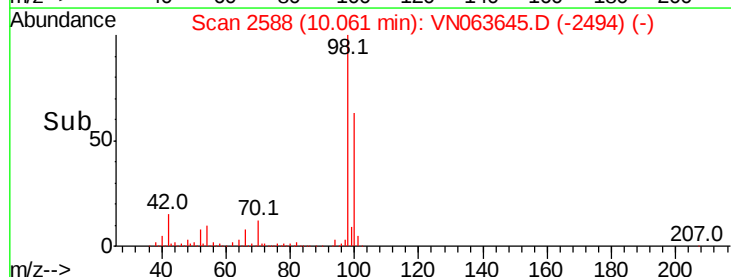


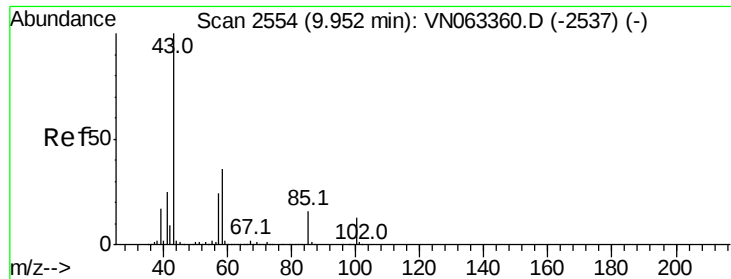
Abundance Ion 98.00 (97.70 to 98.70): VN063360.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN063360.D (-2571) (-)



Time-->





#51

4-Methyl-2-Pentanone

Concen: 252.889 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

Instrument :

MSVOA_N

ClientSampleId :

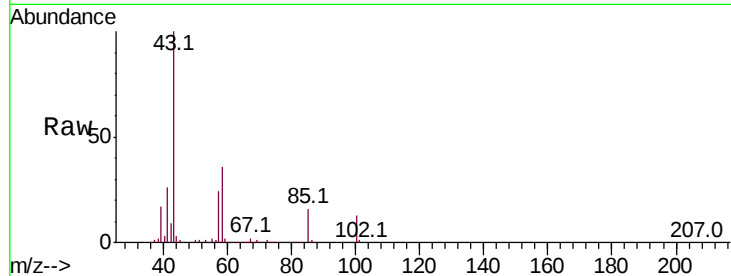
VSTDCCC050EC

Tot Ion: 43 Resp: 1090787

Ion Ratio Lower Upper

43 100

58 35.4 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VN063360.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN063360.D (-2537) (-)

9.95

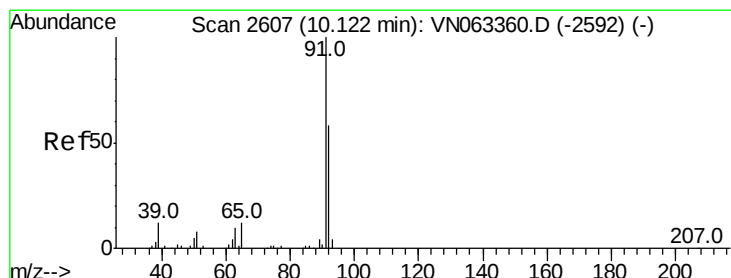
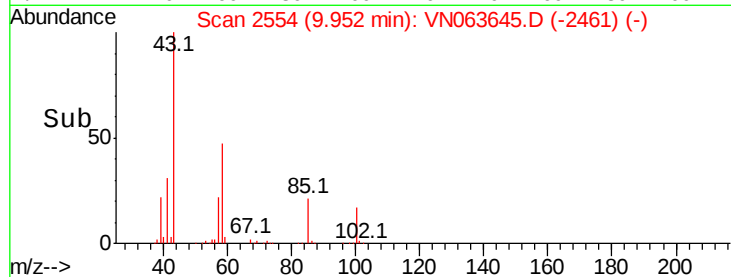
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 48.921 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063645.D

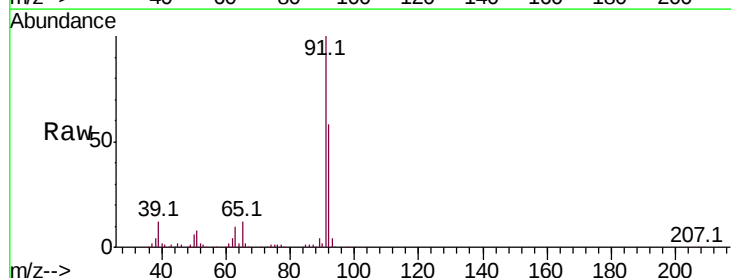
Acq: 24 Sep 2020 21:51

Tgt Ion: 92 Resp: 368614

Ion Ratio Lower Upper

92 100

91 173.0 139.7 209.5



Abundance Ion 92.00 (91.70 to 92.70): VN063360.D (-2592) (-)

Ion 91.00 (90.70 to 91.70): VN063360.D (-2592) (-)

10.13

400000

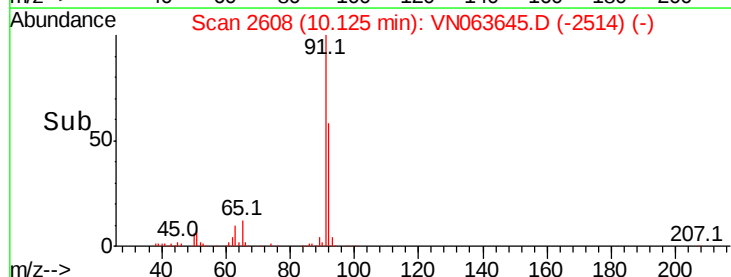
300000

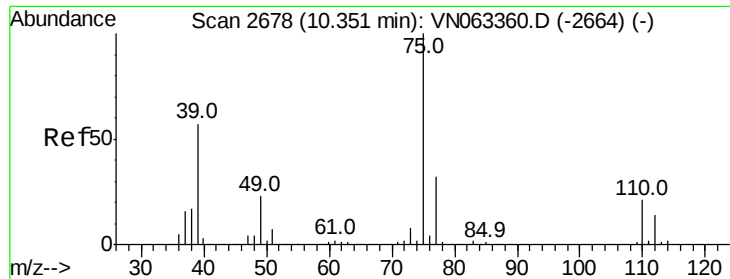
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 46.294 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

Instrument :

MSVOA_N

ClientSampleId :

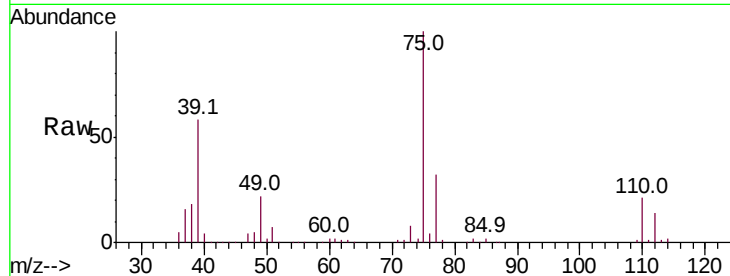
VSTDCCC050EC

Tot Ion: 75 Resp: 240870

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.35

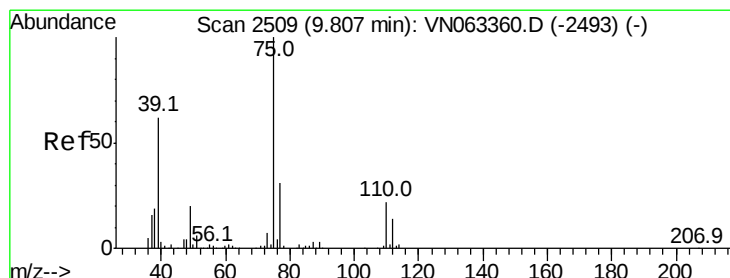
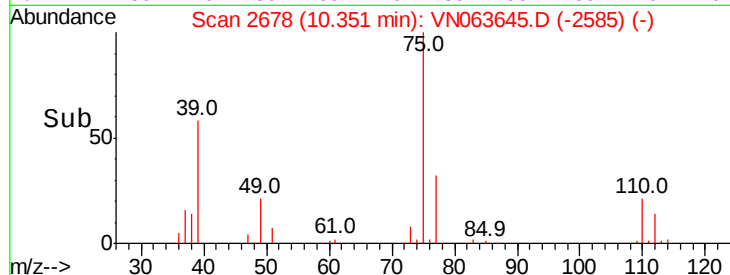
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 45.857 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

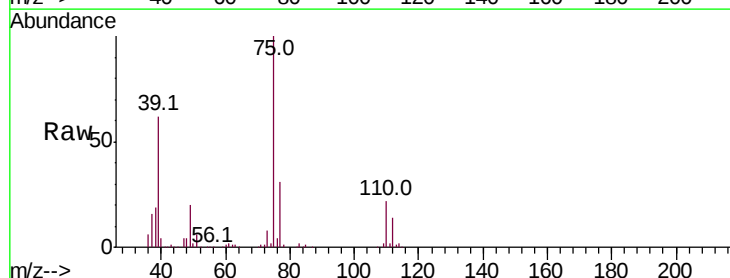
Tgt Ion: 75 Resp: 251672

Ion Ratio Lower Upper

75 100

77 31.2 24.6 37.0

39 61.8 49.8 74.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.81

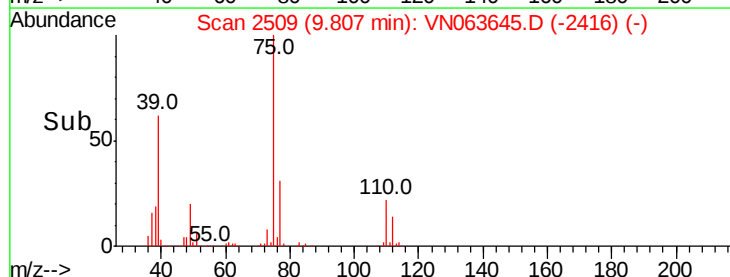
150000

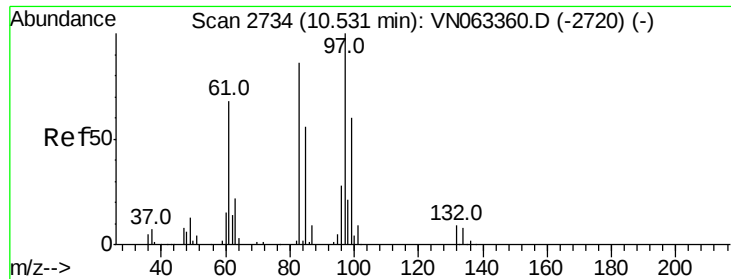
100000

50000

0

Time-->

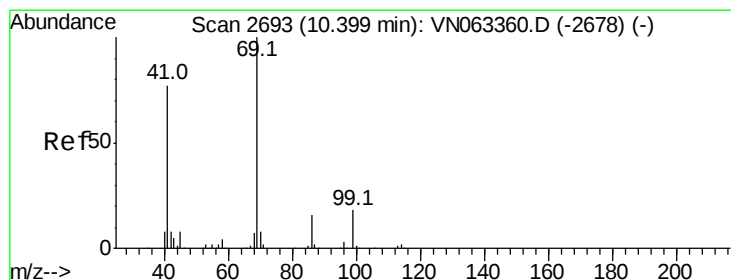
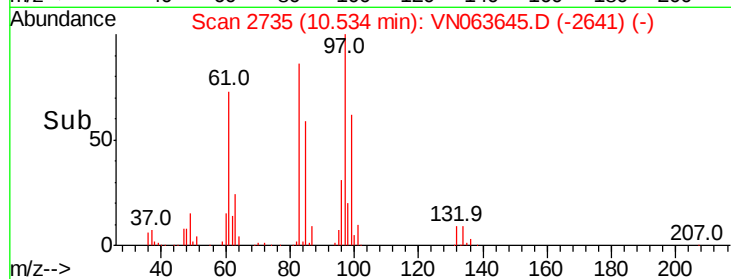
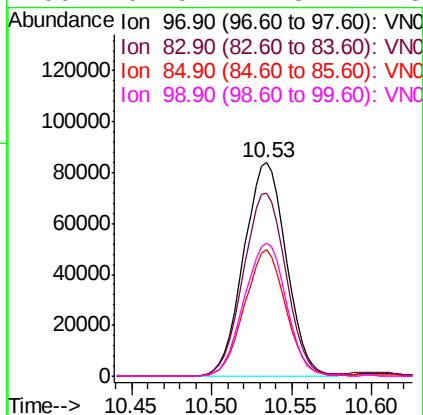
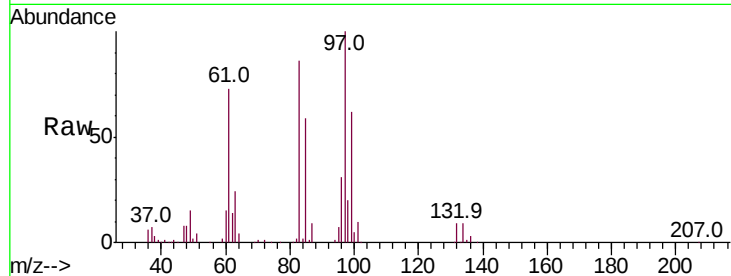




#55
 1,1,2-Trichloroethane
 Concen: 51.144 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN063645.D
 Acq: 24 Sep 2020 21:51

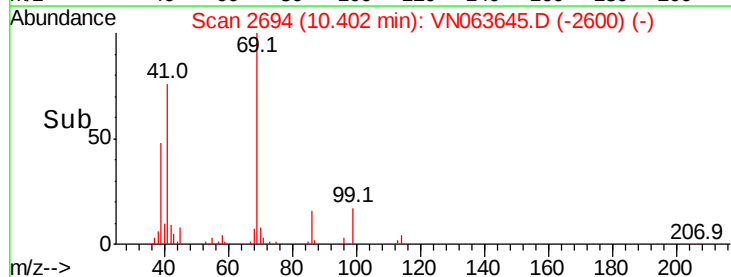
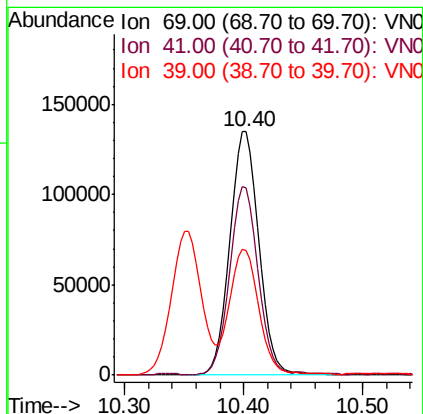
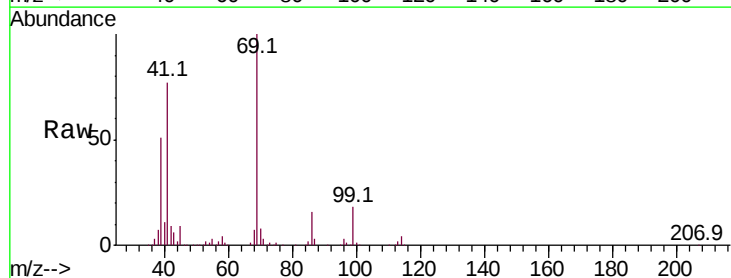
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

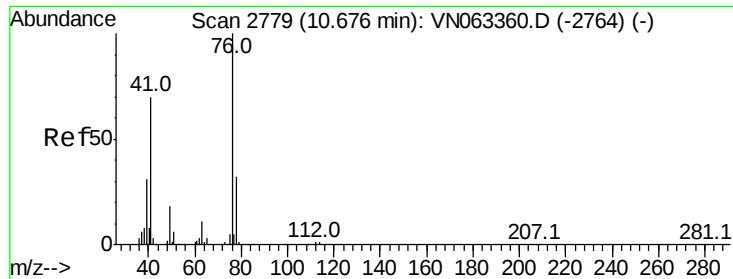
Tot Ion:	97	Resp:	153071
Ion	Ratio	Lower	Upper
97	100		
83	86.0	68.9	103.3
85	59.4	44.8	67.2
99	62.5	47.8	71.8



#56
 Ethyl methacrylate
 Concen: 48.982 ug/l
 RT: 10.40 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VN063645.D
 Acq: 24 Sep 2020 21:51

Tgt Ion:	69	Resp:	228858
Ion	Ratio	Lower	Upper
69	100		
41	75.4	61.0	91.6
39	51.1	39.2	58.8





#57

1,3-Dichloropropane

Concen: 48.974 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

Instrument :

MSVOA_N

ClientSampleId :

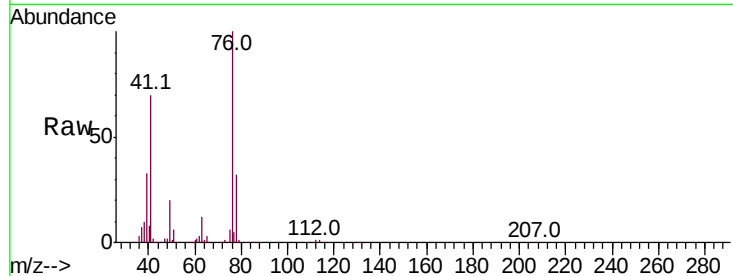
VSTDCCC050EC

Tot Ion: 76 Resp: 264326

Ion Ratio Lower Upper

76 100

78 32.0 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.68

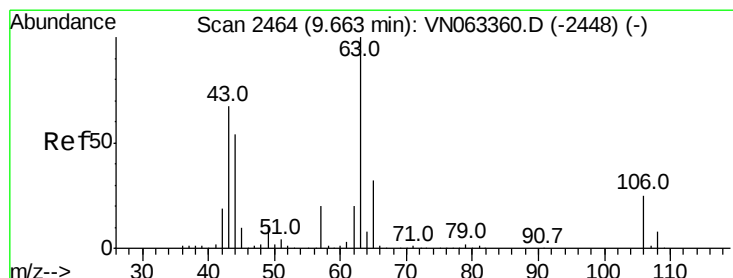
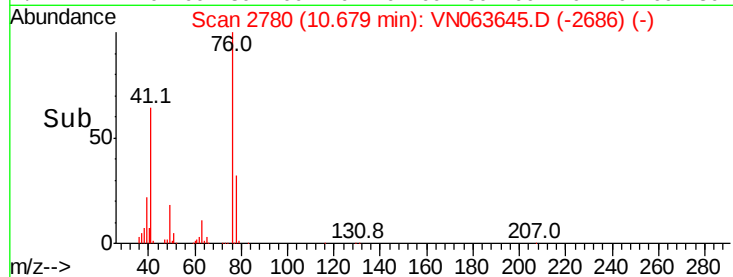
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 233.521 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN063645.D

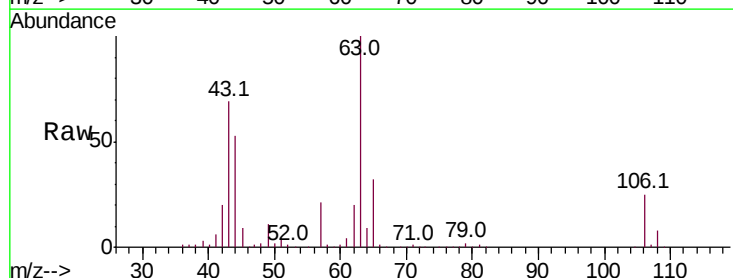
Acq: 24 Sep 2020 21:51

Tgt Ion: 63 Resp: 572360

Ion Ratio Lower Upper

63 100

106 25.0 19.5 29.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.66

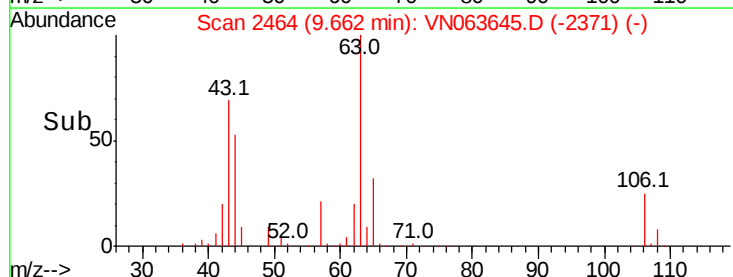
300000

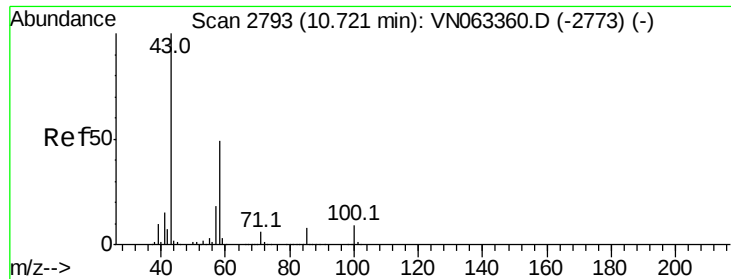
200000

100000

0

Time-->

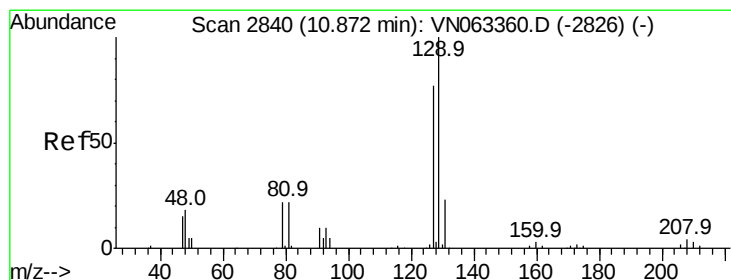
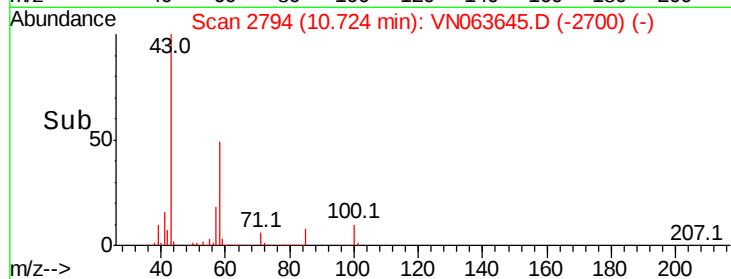
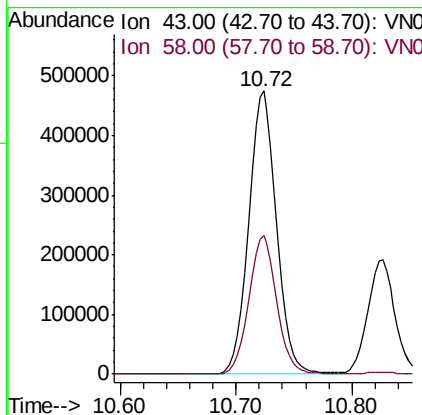
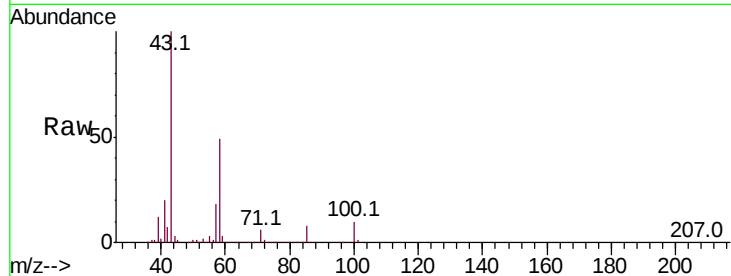




#59
2-Hexanone
Concen: 253.304 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063645.D
Acq: 24 Sep 2020 21:51

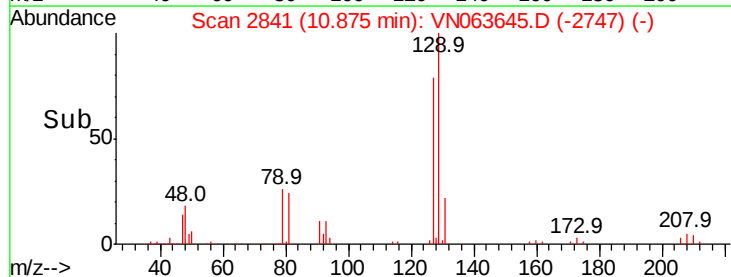
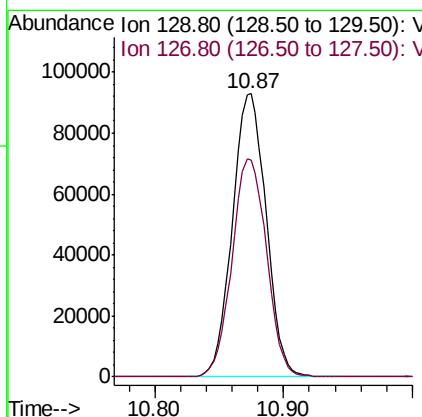
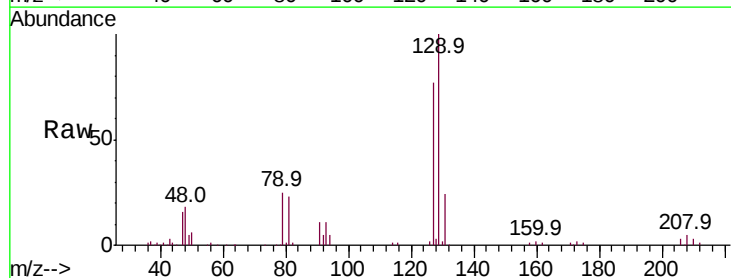
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

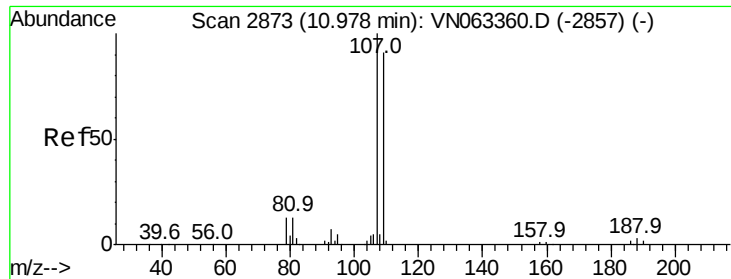
Tot Ion: 43 Resp: 791544
Ion Ratio Lower Upper
43 100
58 49.3 24.7 74.1



#60
Dibromochloromethane
Concen: 50.094 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN063645.D
Acq: 24 Sep 2020 21:51

Tgt Ion: 129 Resp: 169377
Ion Ratio Lower Upper
129 100
127 78.7 39.1 117.3

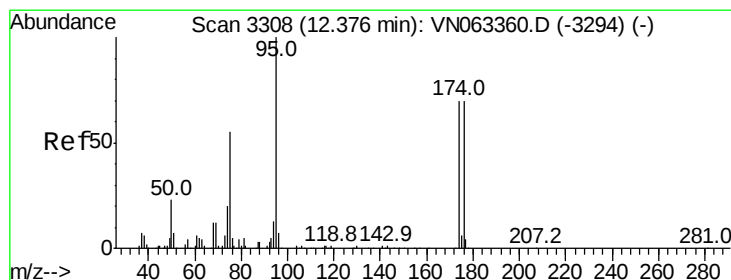
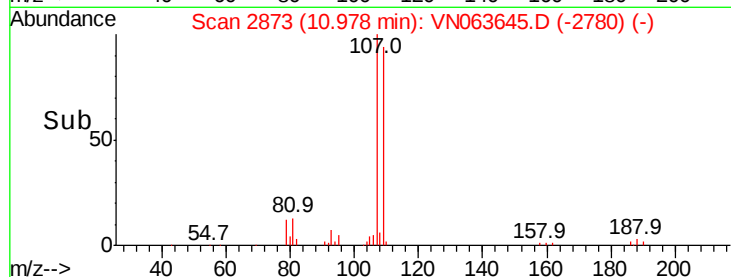
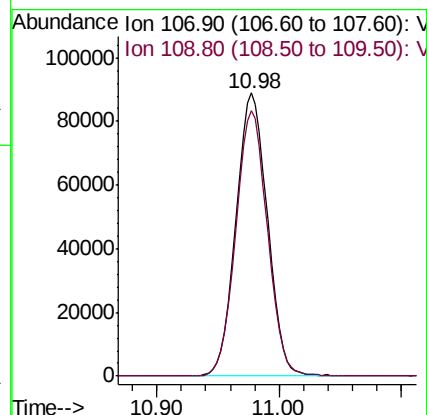
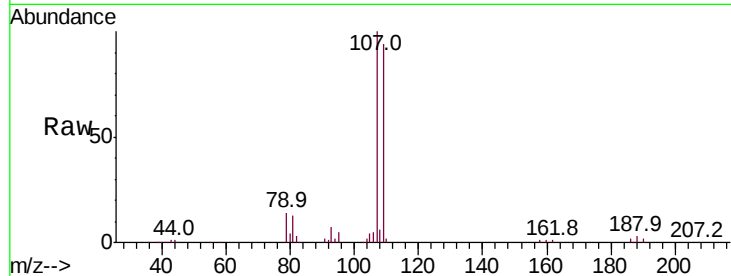




#61
 1,2-Dibromoethane
 Concen: 51.242 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. -0.00 min
 Lab File: VN063645.D
 Acq: 24 Sep 2020 21:51

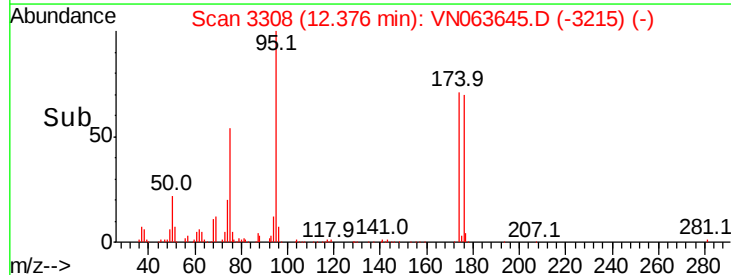
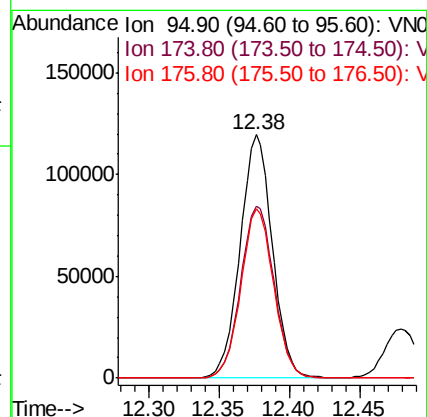
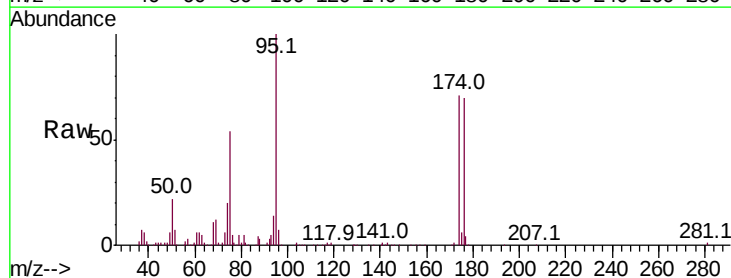
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

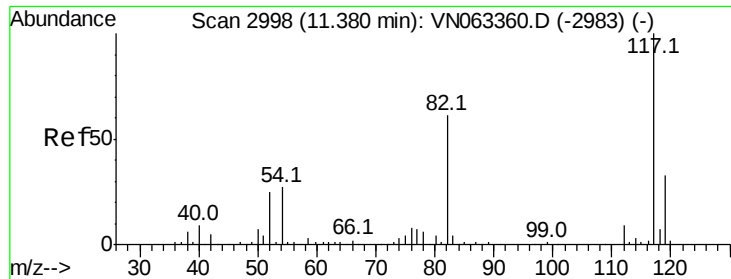
Tot Ion:107 Resp: 159332
 Ion Ratio Lower Upper
 107 100
 109 94.2 74.6 111.8



#62
 4-Bromofluorobenzene
 Concen: 48.817 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: VN063645.D
 Acq: 24 Sep 2020 21:51

Tgt Ion: 95 Resp: 191965
 Ion Ratio Lower Upper
 95 100
 174 73.4 0.0 140.8
 176 70.5 0.0 137.6

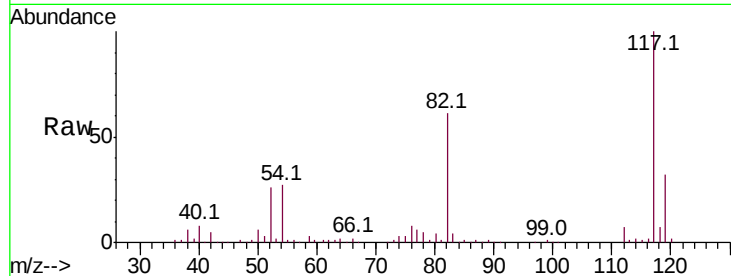




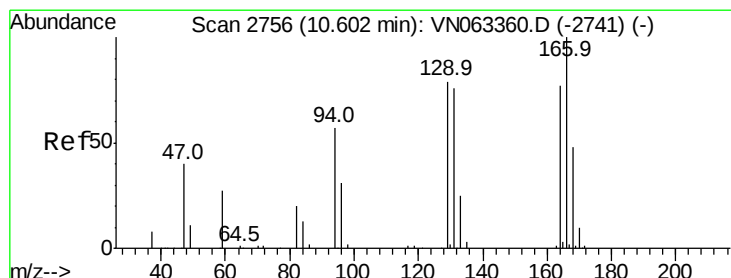
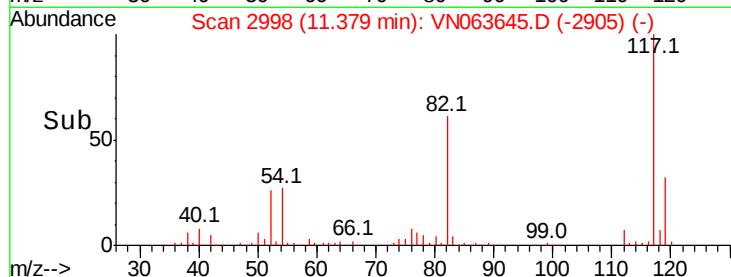
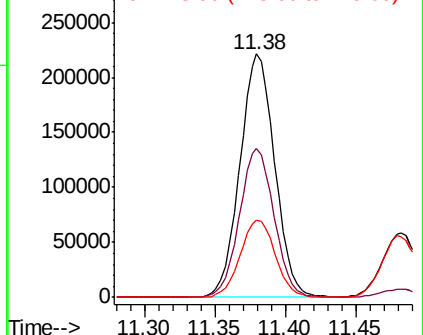
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063645.D
Acq: 24 Sep 2020 21:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 383330
Ion Ratio Lower Upper
117 100
82 61.1 49.2 73.8
119 31.6 26.2 39.4

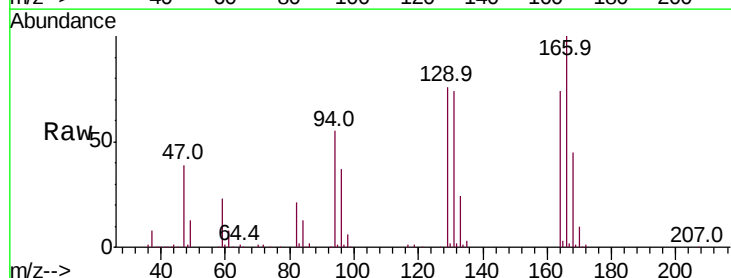


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

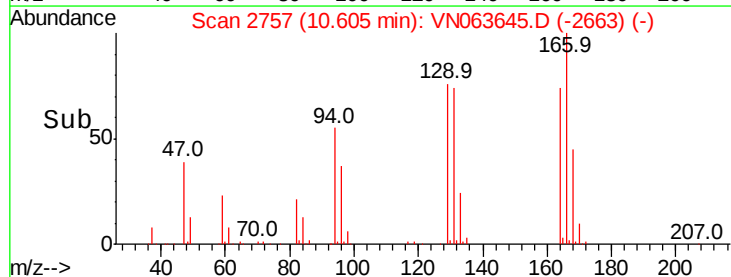
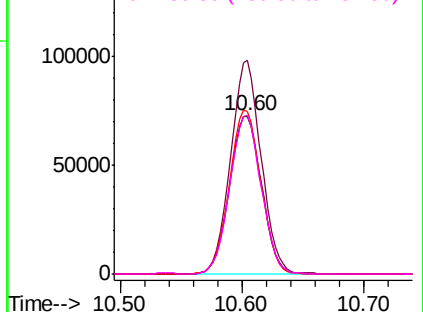


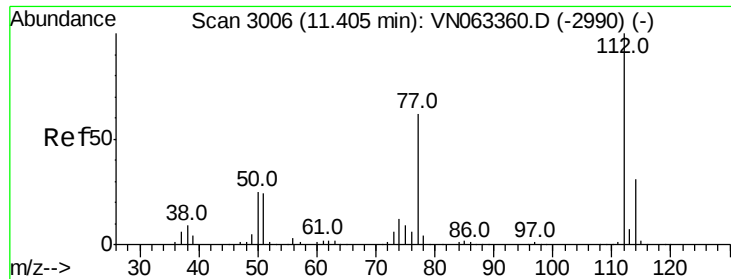
#64
Tetrachloroethene
Concen: 50.922 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VN063645.D
Acq: 24 Sep 2020 21:51

Tgt Ion:164 Resp: 132916
Ion Ratio Lower Upper
164 100
166 135.5 103.4 155.0
129 103.1 81.8 122.6
131 100.7 78.2 117.4



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

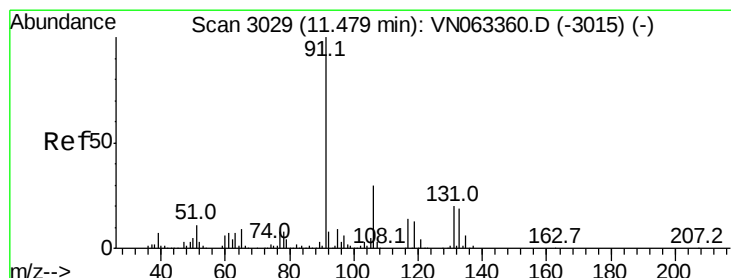
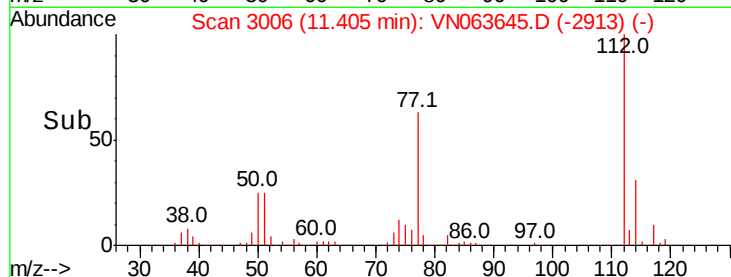
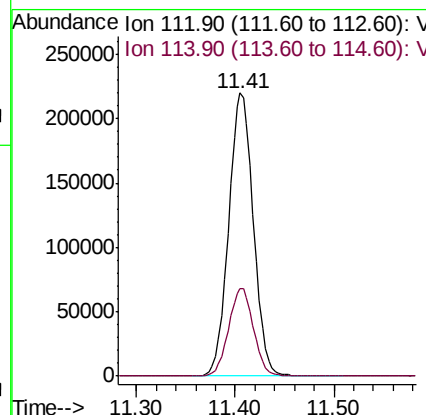
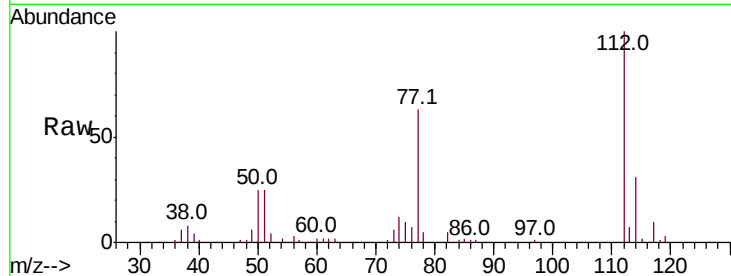




#65
Chlorobenzene
Concen: 47.272 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN063645.D
Acq: 24 Sep 2020 21:51

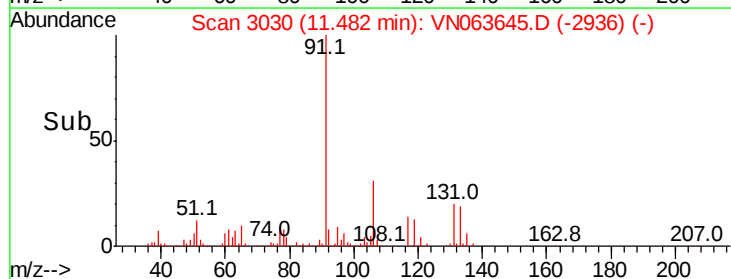
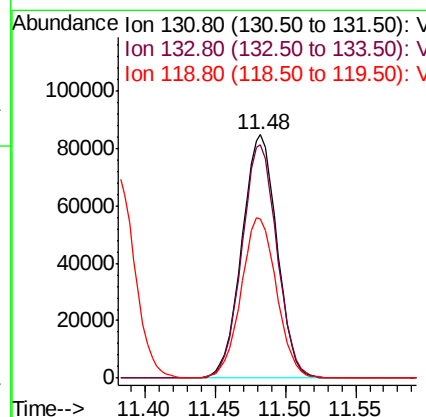
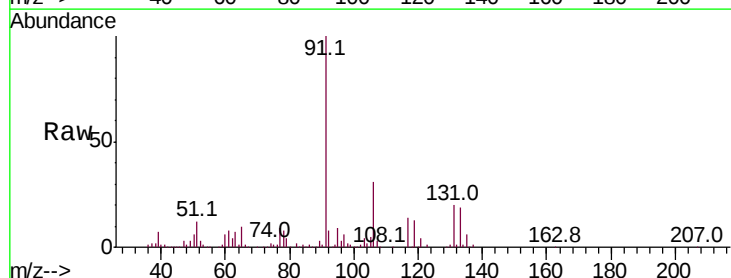
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

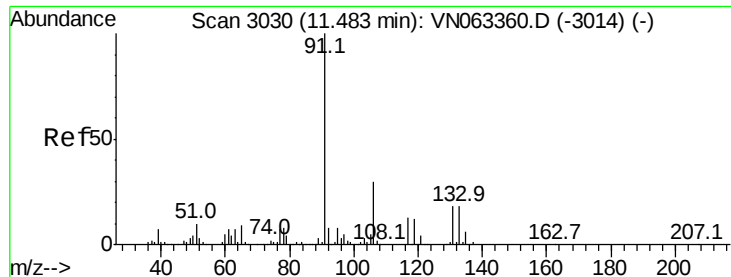
Tot Ion:112 Resp: 384653
Ion Ratio Lower Upper
112 100
114 31.1 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 49.740 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063645.D
Acq: 24 Sep 2020 21:51

Tgt Ion:131 Resp: 148360
Ion Ratio Lower Upper
131 100
133 95.9 47.3 141.9
119 66.6 33.6 100.8





#67

Ethyl Benzene

Concen: 46.030 ug/l

RT: 11.49 min Scan# 3031

Delta R.T. 0.00 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

Instrument :

MSVOA_N

ClientSampleId :

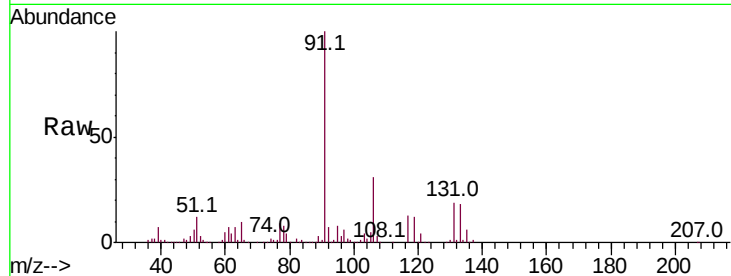
VSTDCCC050EC

Tot Ion: 91 Resp: 705342

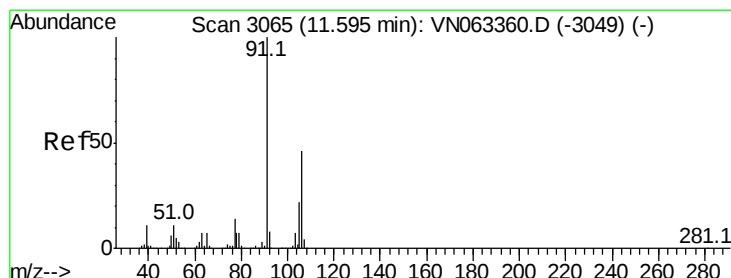
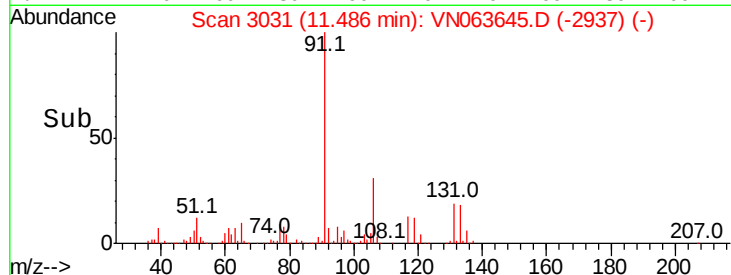
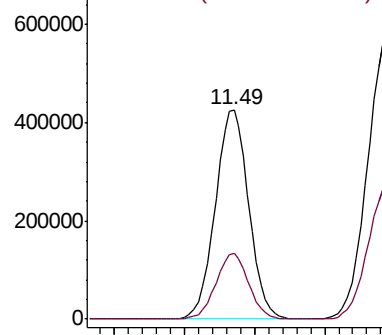
Ion Ratio Lower Upper

91 100

106 31.2 23.8 35.6



Abundance Ion 91.00 (90.70 to 91.70): VN063360.D (-3014) (-)



#68

m/p-Xylenes

Concen: 94.565 ug/l

RT: 11.59 min Scan# 3065

Delta R.T. -0.00 min

Lab File: VN063645.D

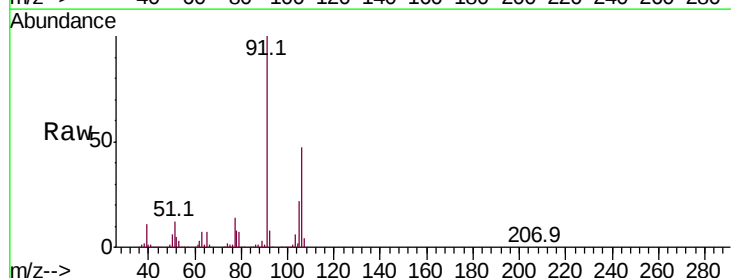
Acq: 24 Sep 2020 21:51

Tgt Ion: 106 Resp: 522466

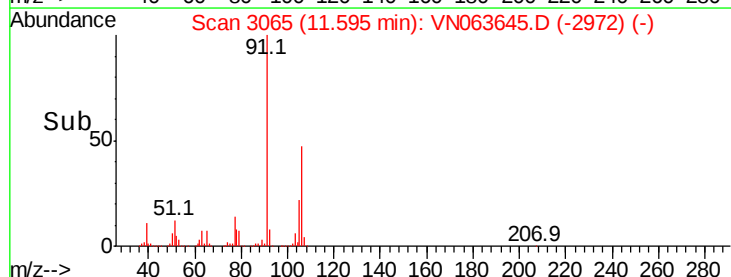
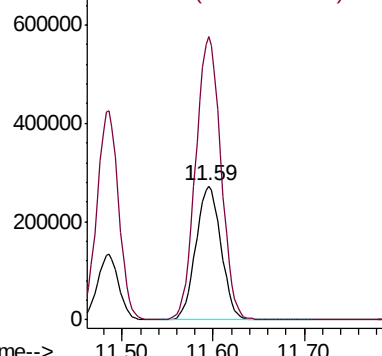
Ion Ratio Lower Upper

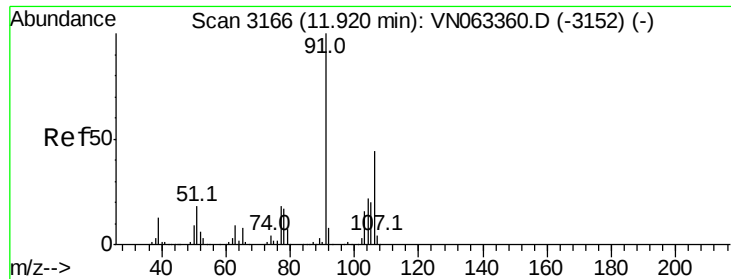
106 100

91 212.7 171.2 256.8



Abundance Ion 106.00 (105.70 to 106.70): VN063360.D (-3049) (-)

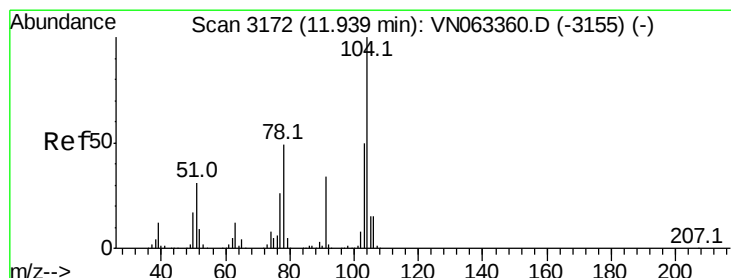
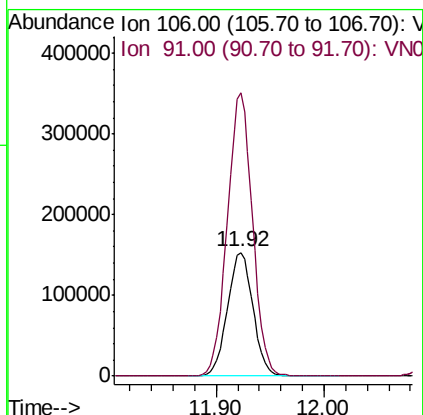
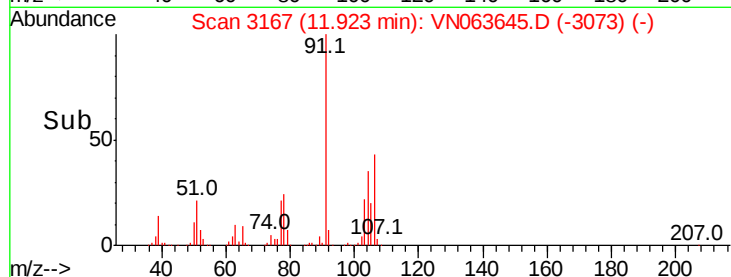
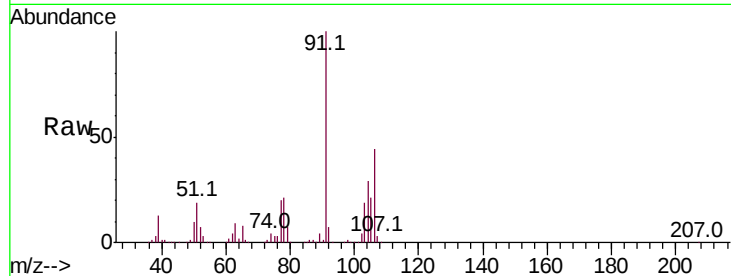




#69
o-Xylene
Concen: 47.913 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063645.D
Acq: 24 Sep 2020 21:51

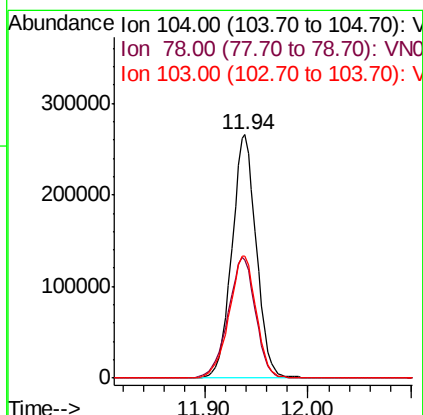
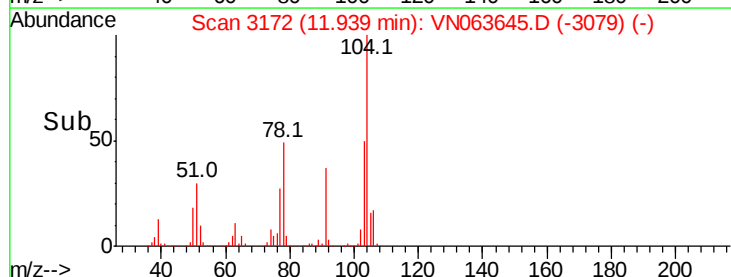
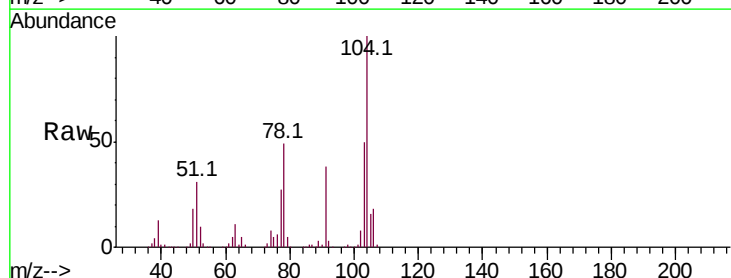
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

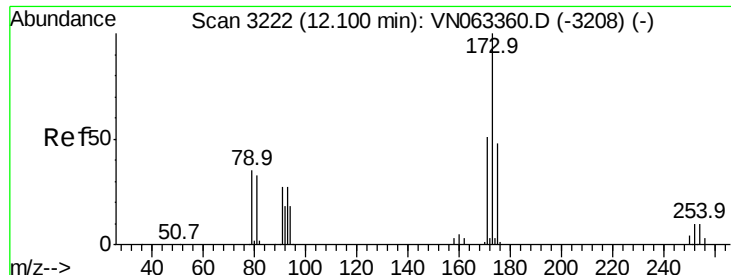
Tot Ion:106 Resp: 252171
Ion Ratio Lower Upper
106 100
91 226.7 113.6 340.8



#70
Styrene
Concen: 49.628 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. -0.00 min
Lab File: VN063645.D
Acq: 24 Sep 2020 21:51

Tgt Ion:104 Resp: 438020
Ion Ratio Lower Upper
104 100
78 55.6 44.4 66.6
103 55.7 43.7 65.5





#71

Bromoform

Concen: 51.657 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

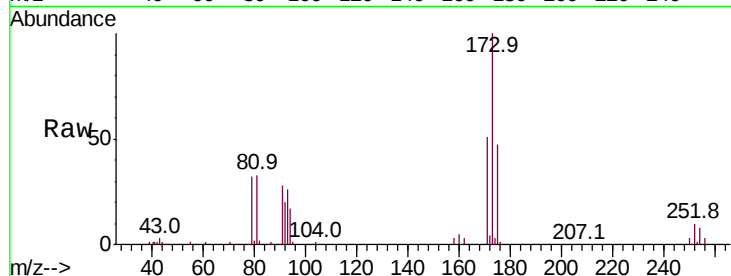
Tot Ion:173 Resp: 114785

Ion Ratio Lower Upper

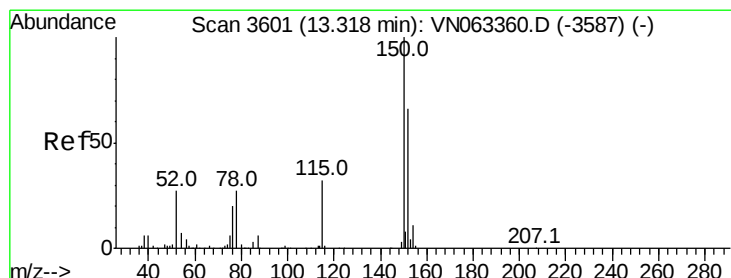
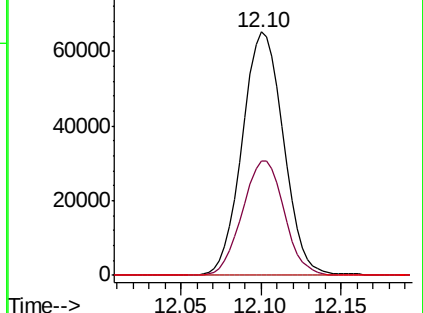
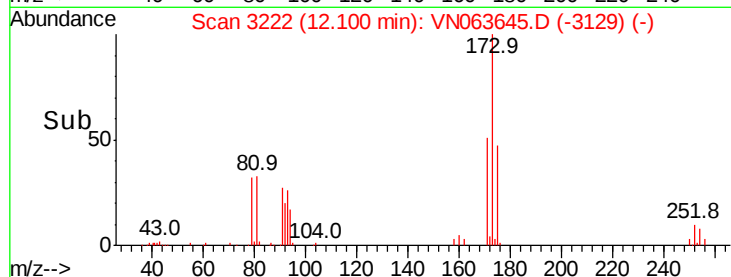
173 100

175 47.8 24.0 72.0

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

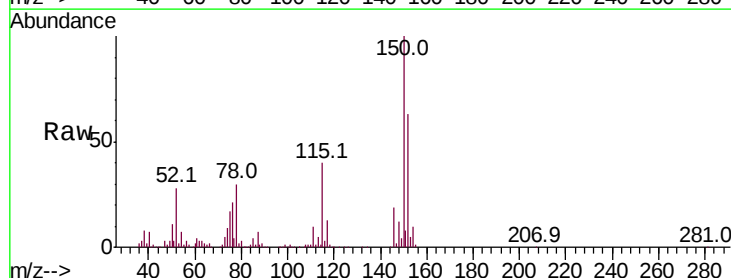
Tgt Ion:152 Resp: 183562

Ion Ratio Lower Upper

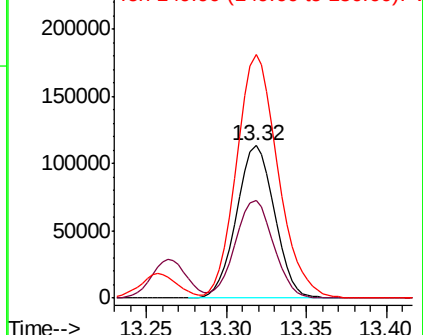
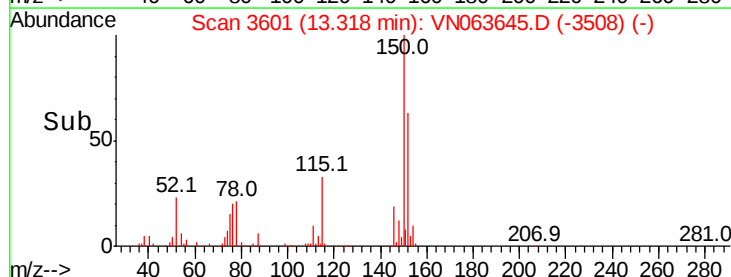
152 100

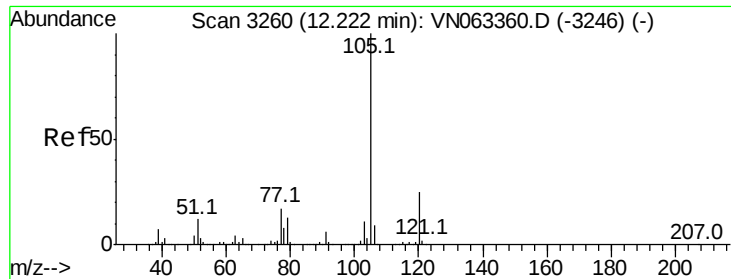
115 65.1 32.2 96.6

150 172.8 0.0 343.4



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





#73

Isopropylbenzene

Concen: 46.598 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

Instrument :

MSVOA_N

ClientSampleId :

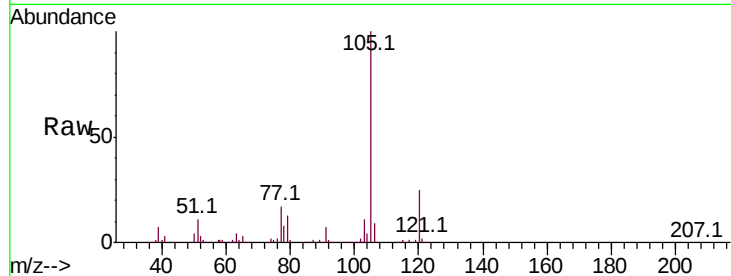
VSTDCCC050EC

Tot Ion:105 Resp: 685444

Ion Ratio Lower Upper

105 100

120 24.7 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.23

400000

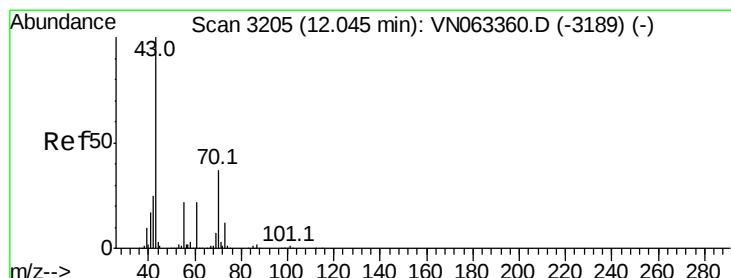
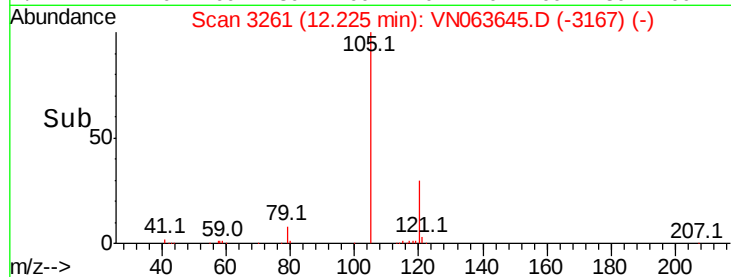
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 46.729 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. -0.00 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

Tgt Ion: 43 Resp: 325376

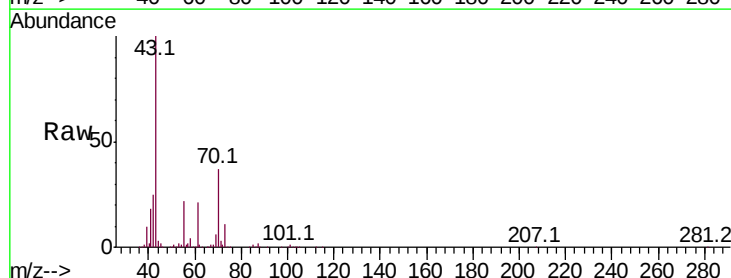
Ion Ratio Lower Upper

43 100

70 37.0 29.6 44.4

55 23.1 17.7 26.5

61 21.1 17.4 26.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

12.05

300000

250000

200000

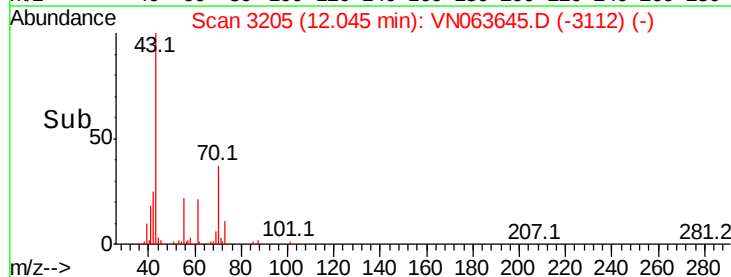
150000

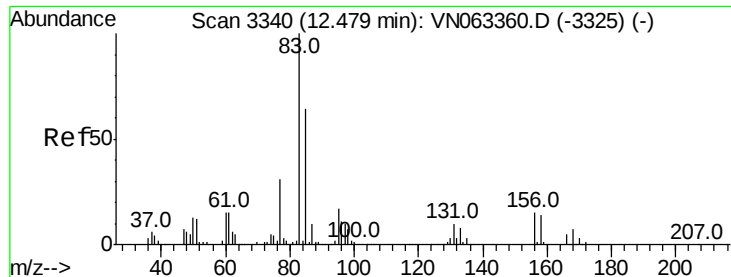
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 48.625 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. -0.00 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

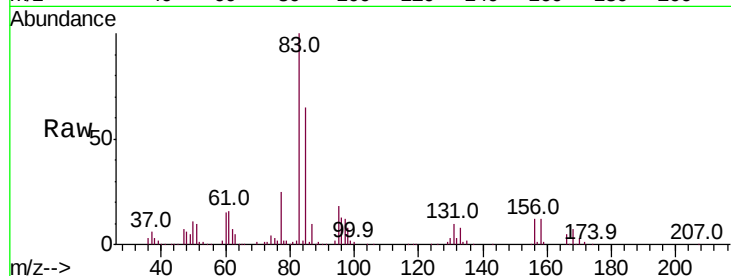
Tot Ion: 83 Resp: 221467

Ion Ratio Lower Upper

83 100

131 9.8 4.9 14.7

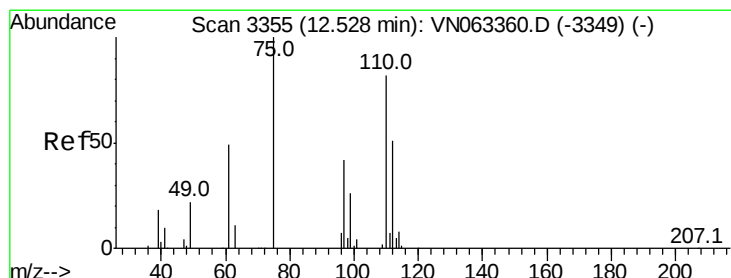
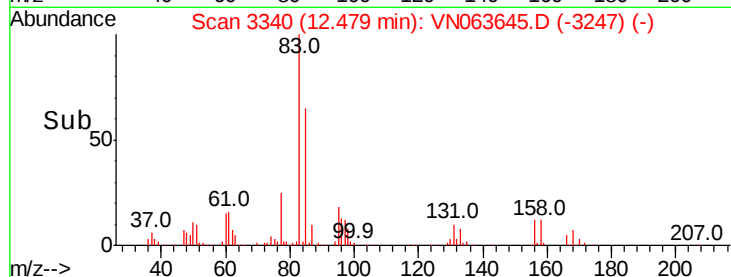
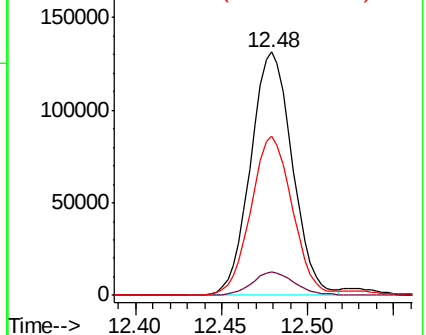
85 64.7 32.0 96.0



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: 66.175 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. -0.00 min

Lab File: VN063645.D

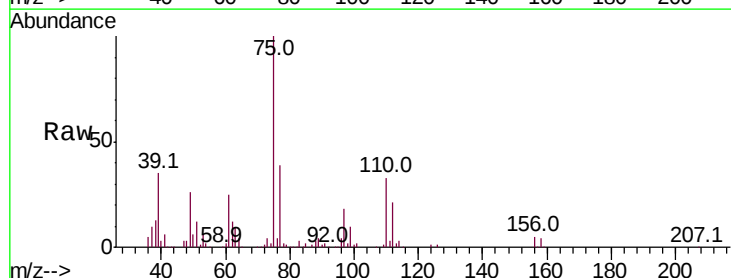
Acq: 24 Sep 2020 21:51

Tgt Ion: 75 Resp: 300658

Ion Ratio Lower Upper

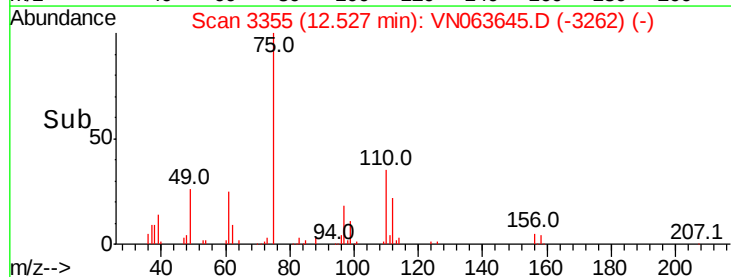
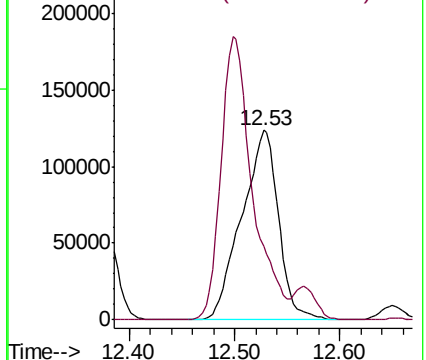
75 100

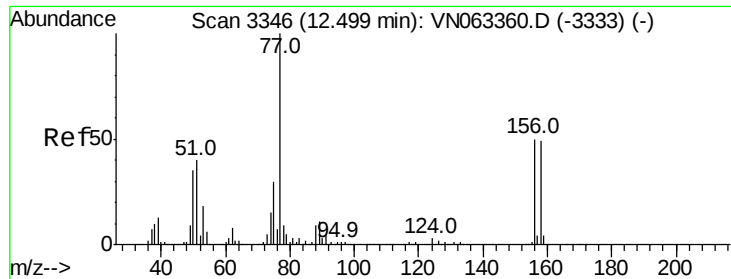
77 0.0 0.0 0.0



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

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

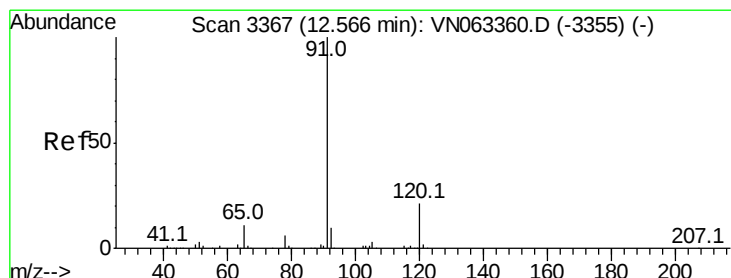
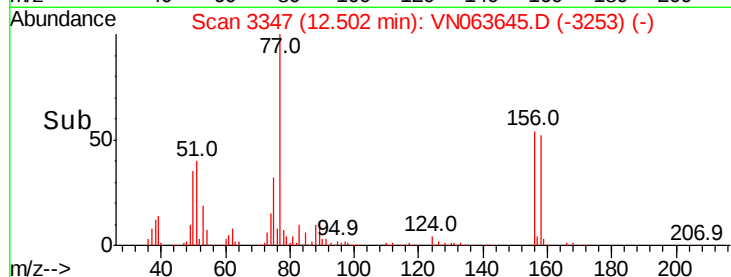
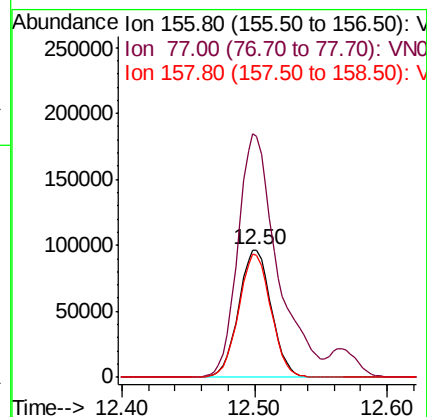
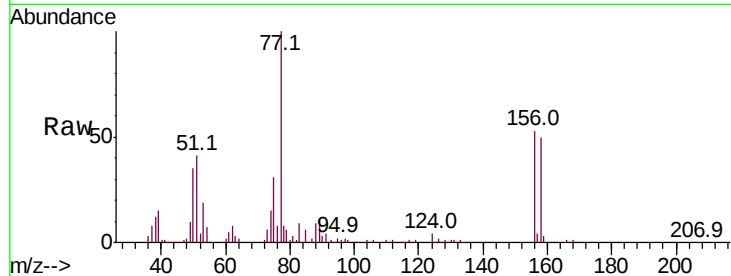




#77
Bromobenzene
Concen: 49.829 ug/l
RT: 12.50 min Scan# 3347
Delta R.T. 0.00 min
Lab File: VN063645.D
Acq: 24 Sep 2020 21:51

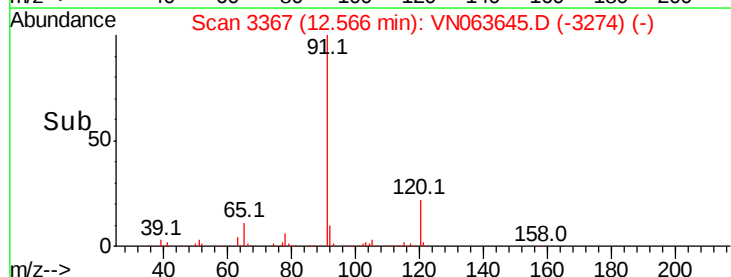
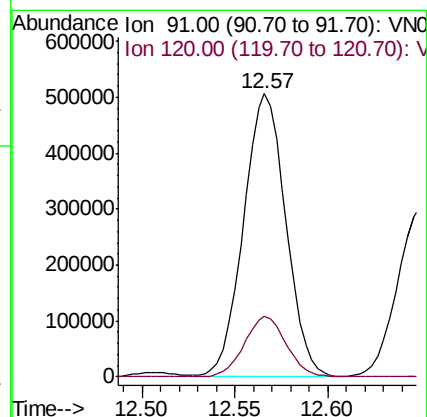
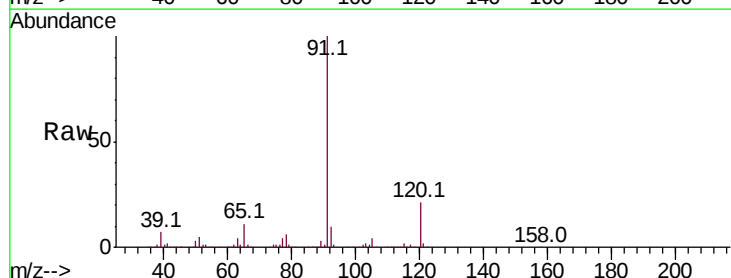
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

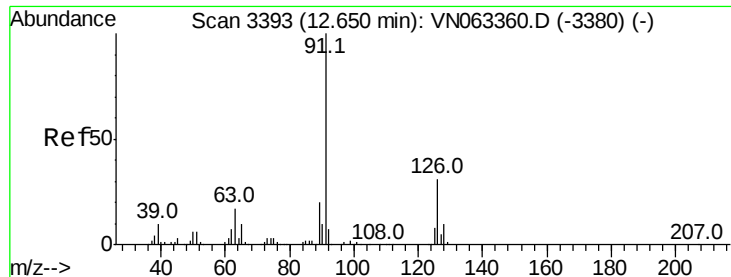
Tot Ion:156 Resp: 164875
Ion Ratio Lower Upper
156 100
77 230.7 120.2 360.6
158 95.9 48.9 146.6



#78
n-propylbenzene
Concen: 46.347 ug/l
RT: 12.57 min Scan# 3367
Delta R.T. -0.00 min
Lab File: VN063645.D
Acq: 24 Sep 2020 21:51

Tgt Ion: 91 Resp: 794038
Ion Ratio Lower Upper
91 100
120 21.4 10.8 32.3





#79

2-Chlorotoluene

Concen: 47.341 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. -0.00 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

Instrument :

MSVOA_N

ClientSampleId :

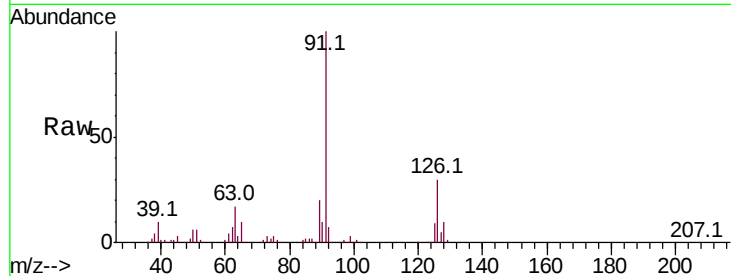
VSTDCCC050EC

Tot Ion: 91 Resp: 486200

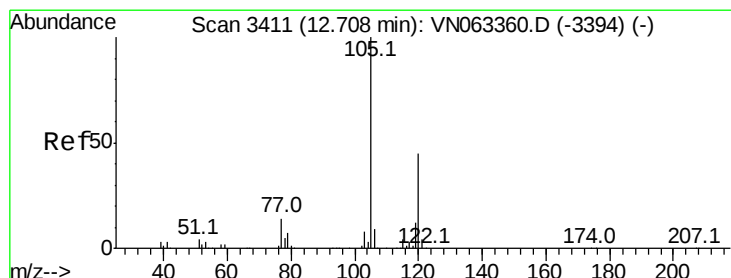
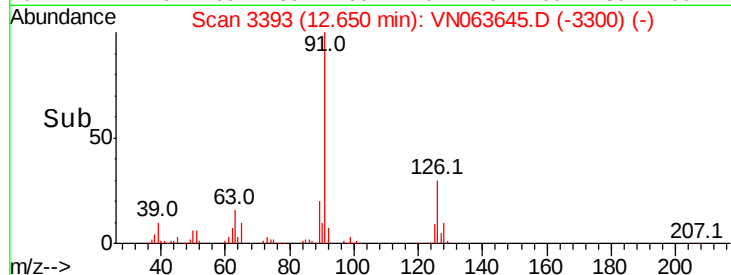
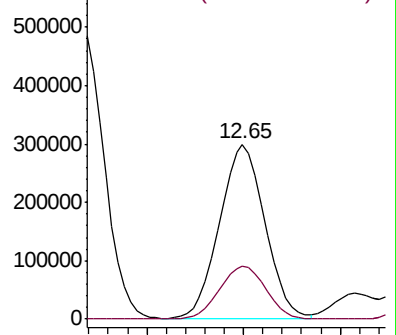
Ion Ratio Lower Upper

91 100

126 31.2 15.8 47.3



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



#80

1,3,5-Trimethylbenzene

Concen: 47.919 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN063645.D

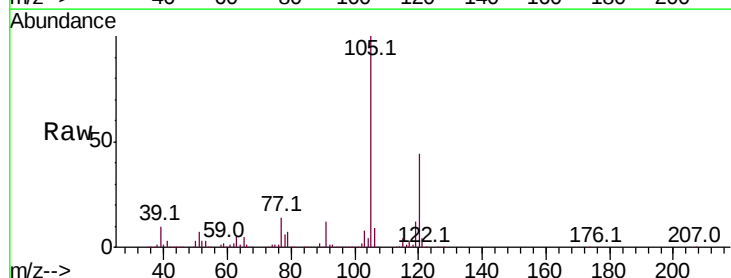
Acq: 24 Sep 2020 21:51

Tgt Ion:105 Resp: 587772

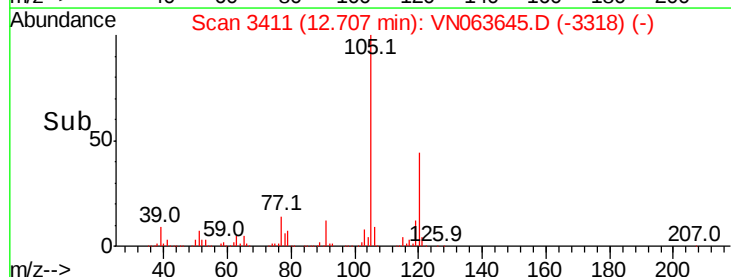
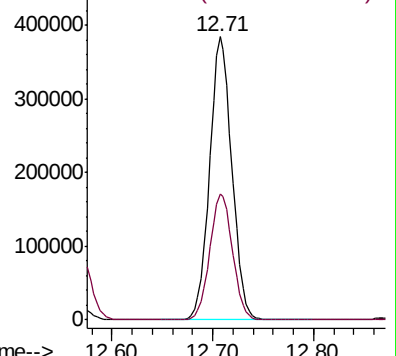
Ion Ratio Lower Upper

105 100

120 45.6 22.9 68.8



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





#81

trans-1,4-Dichloro-2-butene

Concen: 43.735 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

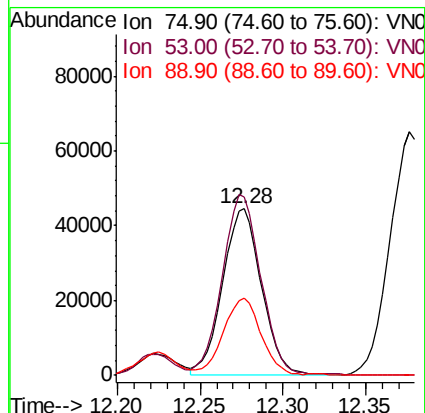
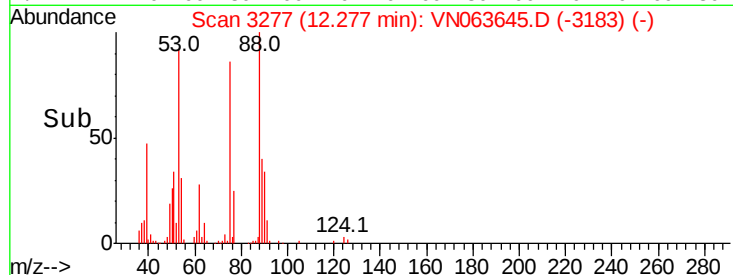
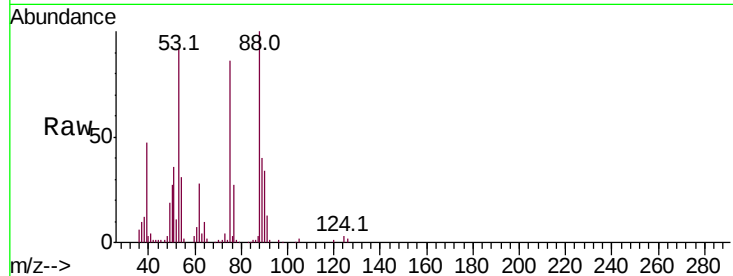
Tot Ion: 75 Resp: 72477

Ion Ratio Lower Upper

75 100

53 108.9 85.7 128.5

89 43.9 38.0 57.0



#82

4-Chlorotoluene

Concen: 47.156 ug/l

RT: 12.75 min Scan# 3424

Delta R.T. 0.00 min

Lab File: VN063645.D

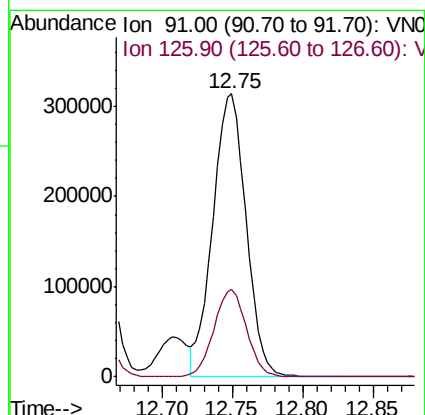
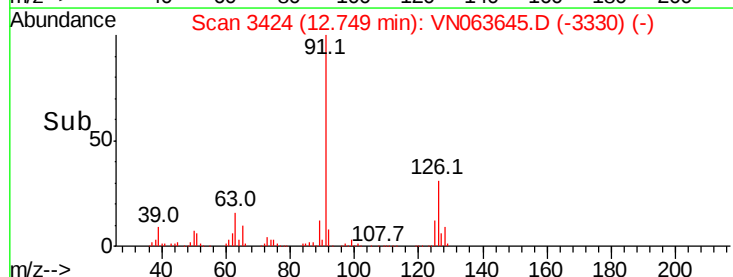
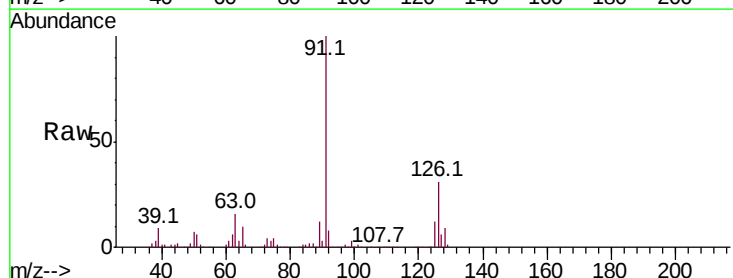
Acq: 24 Sep 2020 21:51

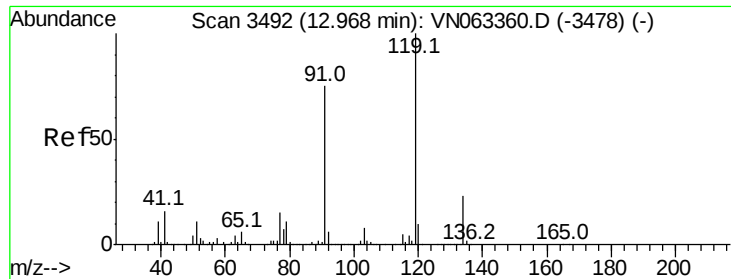
Tgt Ion: 91 Resp: 511704

Ion Ratio Lower Upper

91 100

126 30.6 15.5 46.5

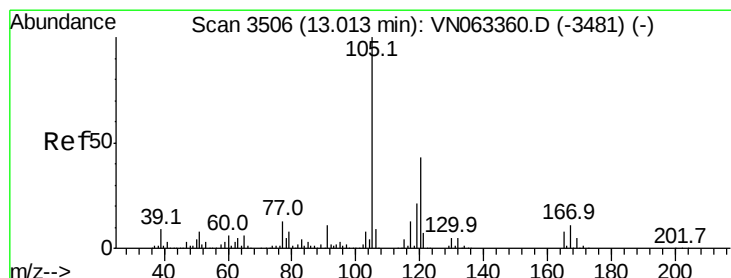
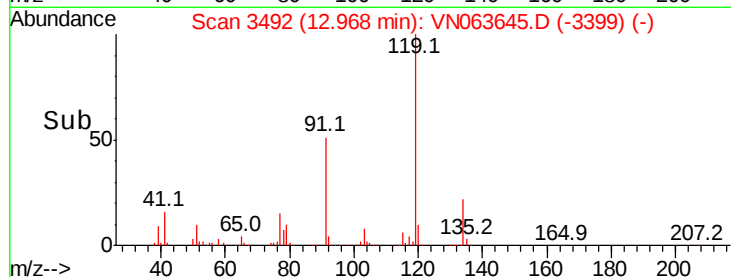
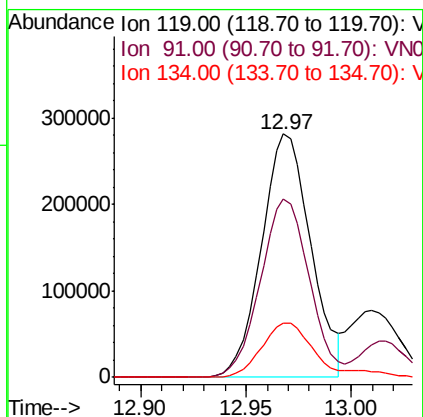
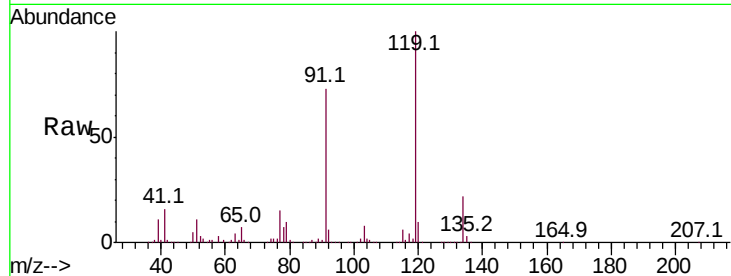




#83
tert-Butylbenzene
Concen: 45.347 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN063645.D
Acq: 24 Sep 2020 21:51

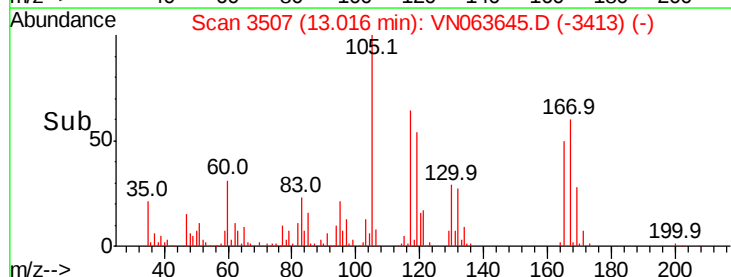
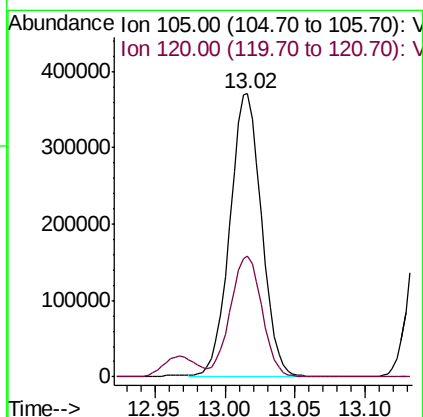
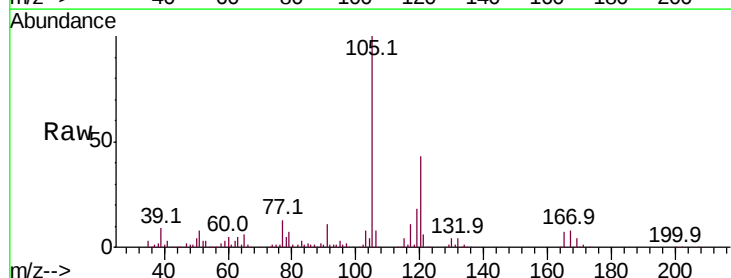
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

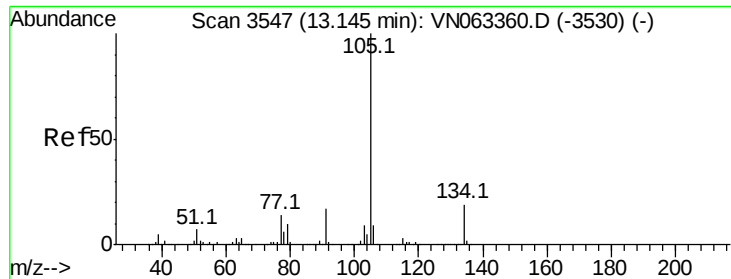
Tot Ion:119 Resp: 459072
Ion Ratio Lower Upper
119 100
91 72.7 36.3 108.9
134 24.7 12.3 36.8



#84
1,2,4-Trimethylbenzene
Concen: 46.987 ug/l
RT: 13.02 min Scan# 3507
Delta R.T. 0.00 min
Lab File: VN063645.D
Acq: 24 Sep 2020 21:51

Tgt Ion:105 Resp: 582156
Ion Ratio Lower Upper
105 100
120 42.9 21.3 63.9

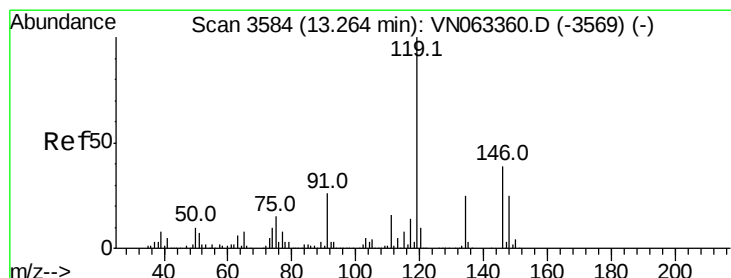
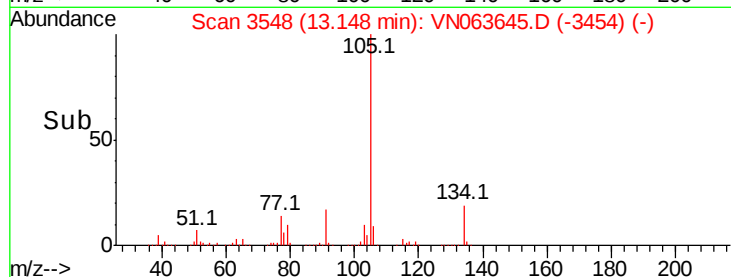
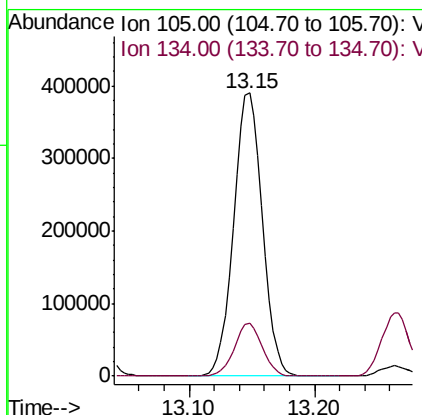
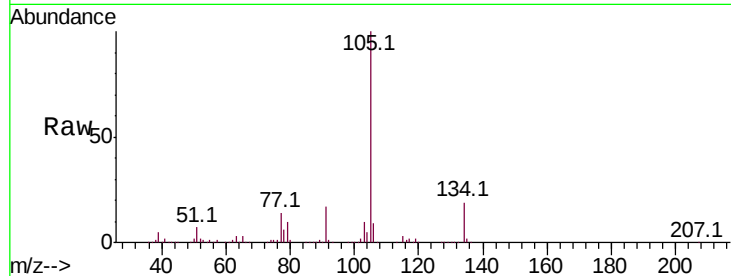




#85
 sec-Butylbenzene
 Concen: 45.608 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN063645.D
 Acq: 24 Sep 2020 21:51

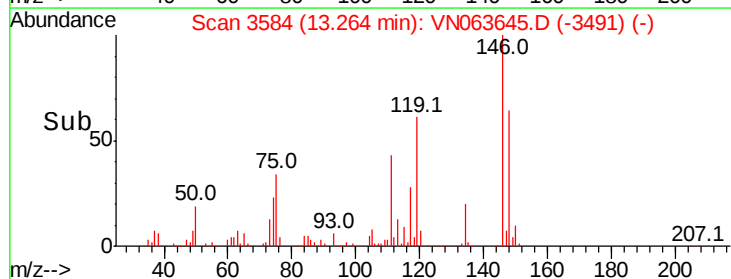
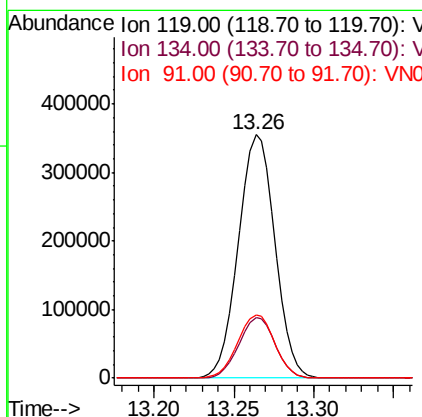
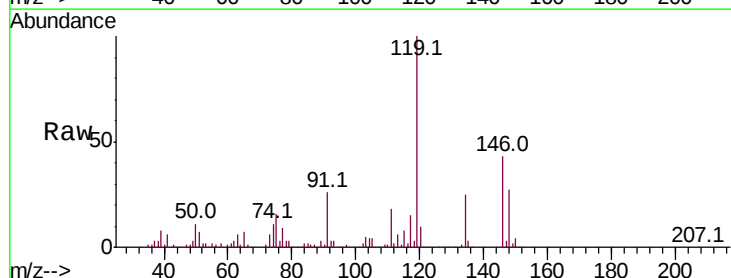
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

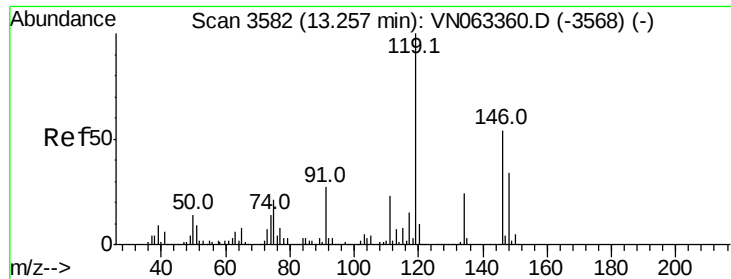
Tot Ion:105 Resp: 618039
 Ion Ratio Lower Upper
 105 100
 134 18.3 9.3 27.7



#86
 p-Isopropyltoluene
 Concen: 45.992 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. -0.00 min
 Lab File: VN063645.D
 Acq: 24 Sep 2020 21:51

Tgt Ion:119 Resp: 549703
 Ion Ratio Lower Upper
 119 100
 134 24.9 12.5 37.5
 91 26.3 13.4 40.1





#87

1,3-Dichlorobenzene

Concen: 47.873 ug/l

RT: 13.26 min Scan# 3582

Delta R.T. -0.00 min

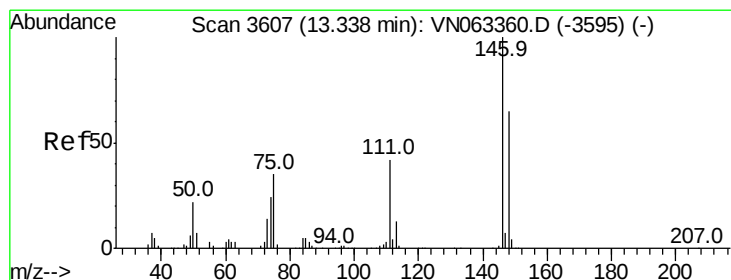
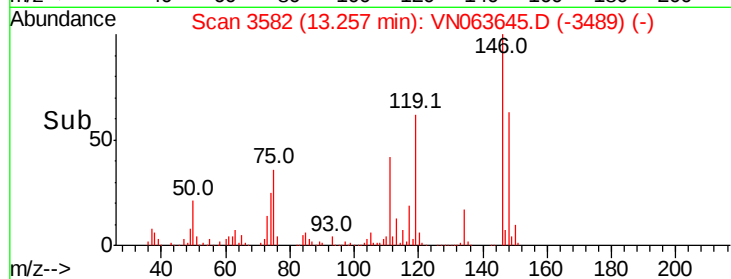
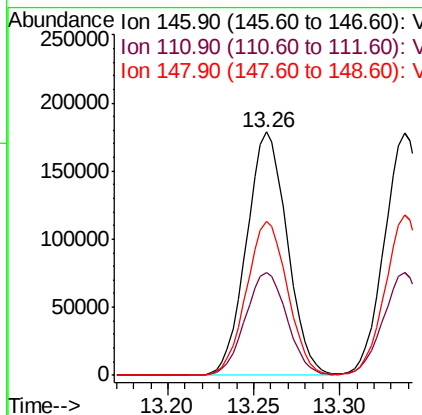
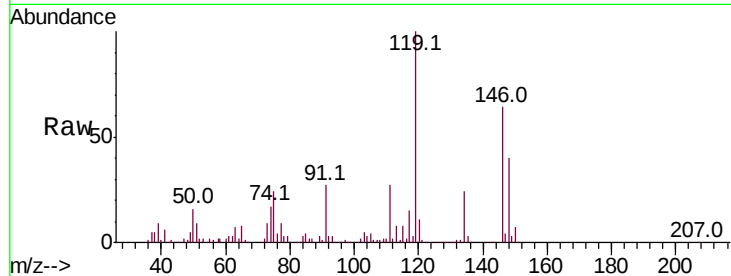
Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:146 Resp: 293597

Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.4	64.3
148	63.7	31.9	95.7



#88

1,4-Dichlorobenzene

Concen: 47.306 ug/l

RT: 13.34 min Scan# 3607

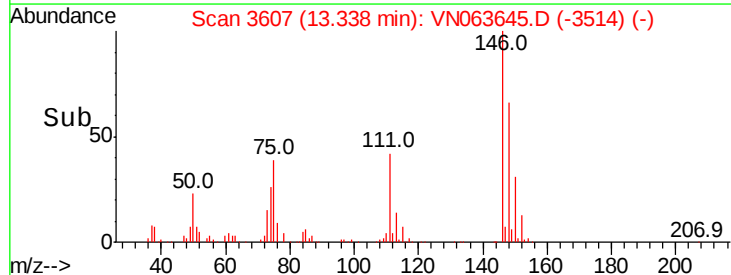
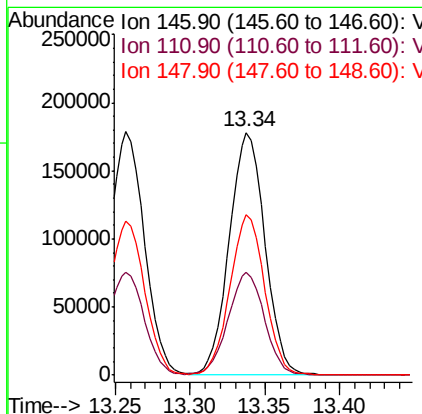
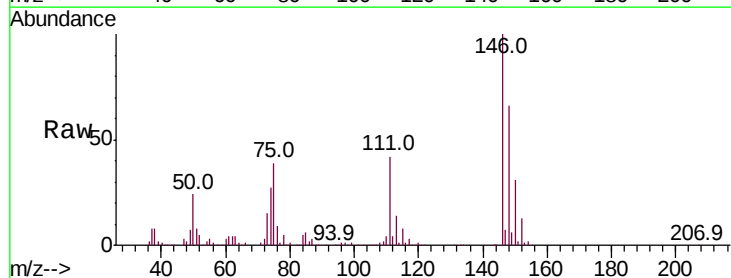
Delta R.T. -0.00 min

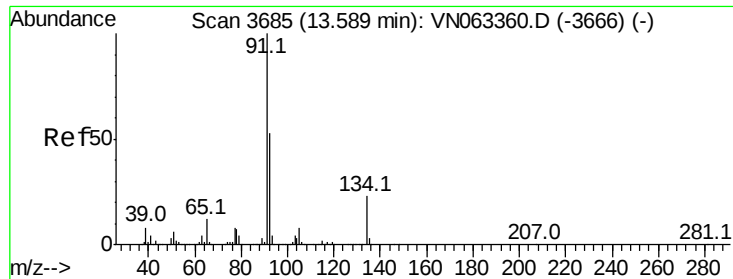
Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

Tgt Ion:146 Resp: 294962

Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.2	63.6
148	64.5	31.9	95.9





#89

n-Butylbenzene

Concen: 43.952 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

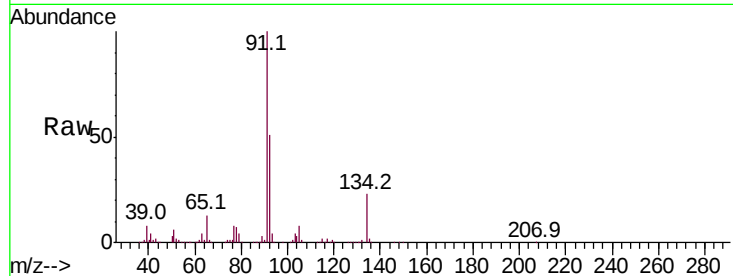
Tot Ion: 91 Resp: 484218

Ion Ratio Lower Upper

91 100

92 51.3 26.0 78.0

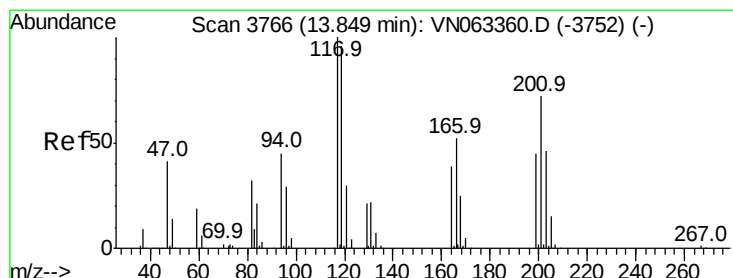
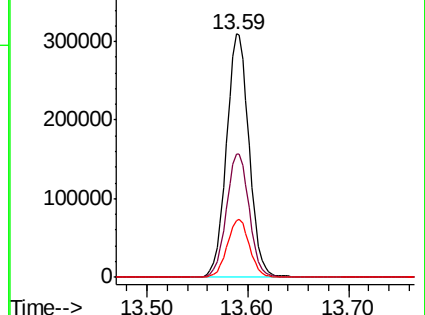
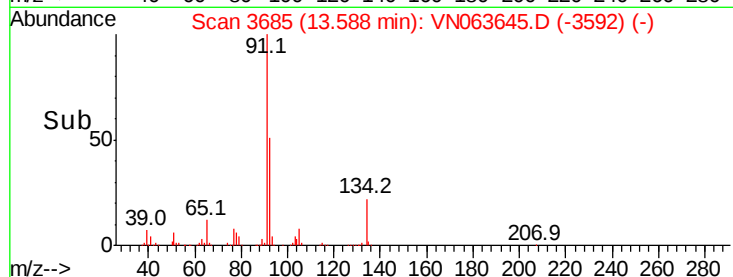
134 23.5 11.7 35.0



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: 43.558 ug/l

RT: 13.85 min Scan# 3766

Delta R.T. -0.00 min

Lab File: VN063645.D

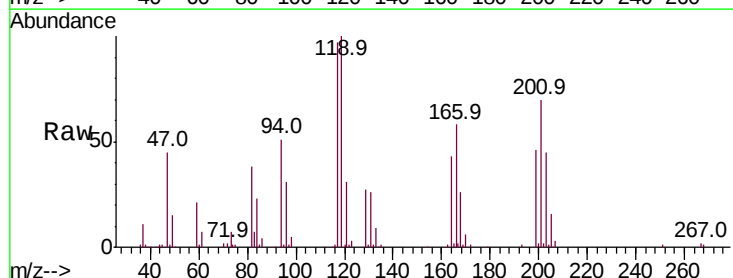
Acq: 24 Sep 2020 21:51

Tgt Ion: 117 Resp: 99133

Ion Ratio Lower Upper

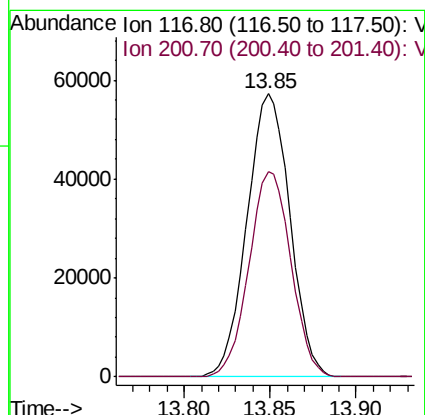
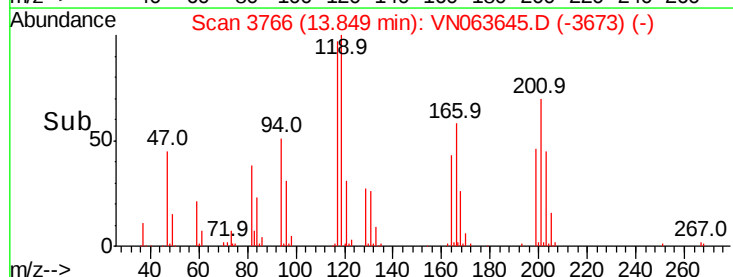
117 100

201 70.8 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) (-)

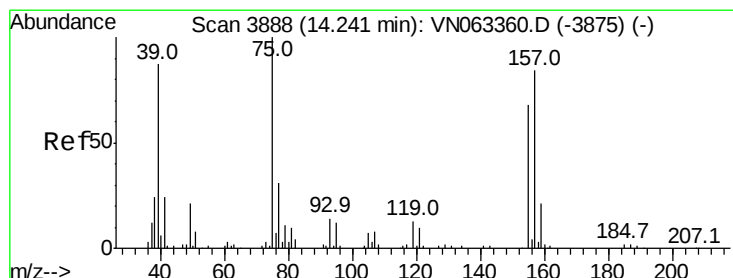
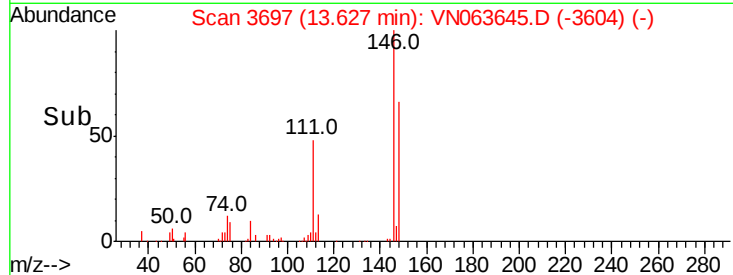
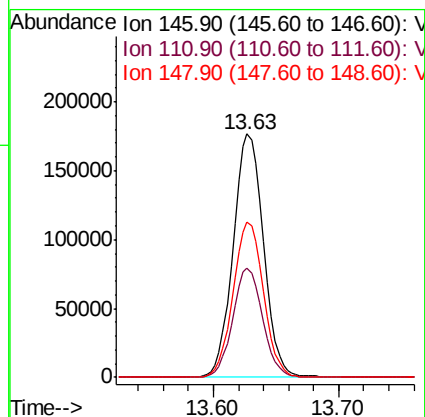
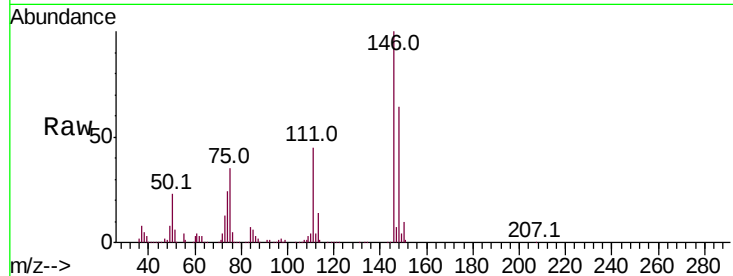




#91
 1,2-Dichlorobenzene
 Concen: 49.260 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN063645.D
 Acq: 24 Sep 2020 21:51

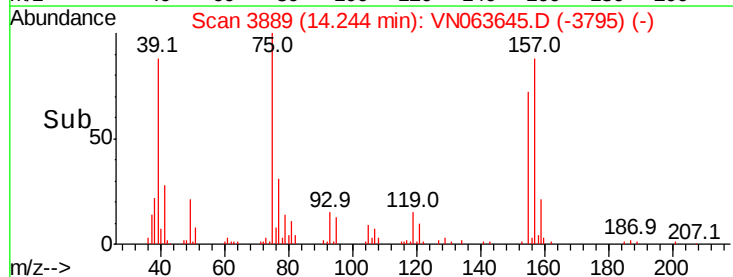
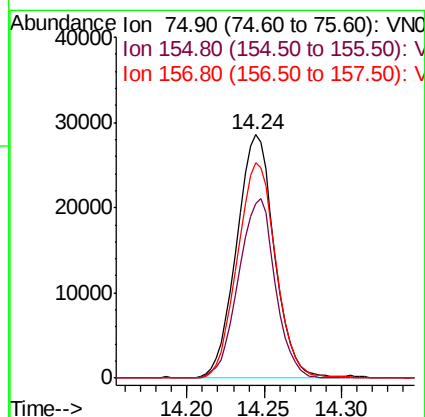
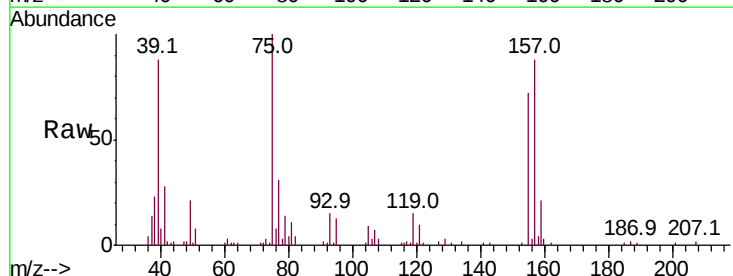
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

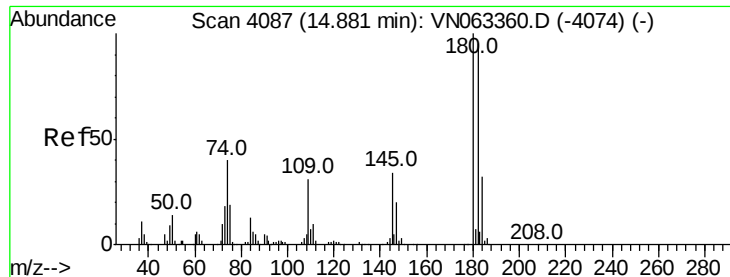
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.0	22.4	67.2
148	63.7	32.0	96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.845 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063645.D
 Acq: 24 Sep 2020 21:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.3	34.6	103.9
157	89.8	43.7	131.1

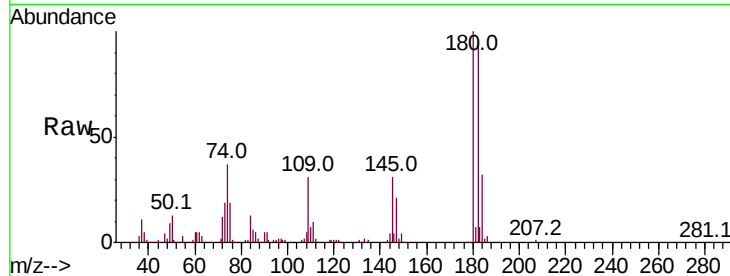




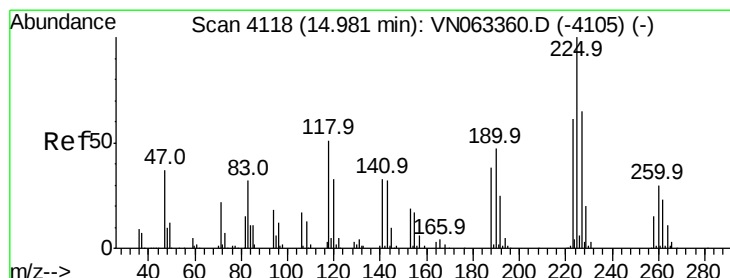
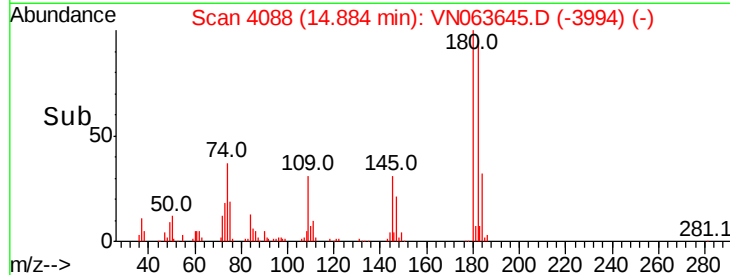
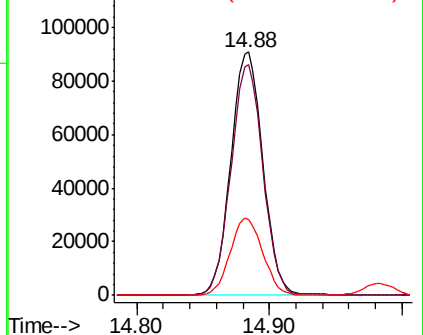
#93
 1,2,4-Trichlorobenzene
 Concen: 43.025 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN063645.D
 Acq: 24 Sep 2020 21:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 152723
 Ion Ratio Lower Upper
 180 100
 182 94.2 47.3 142.0
 145 32.3 16.6 49.7

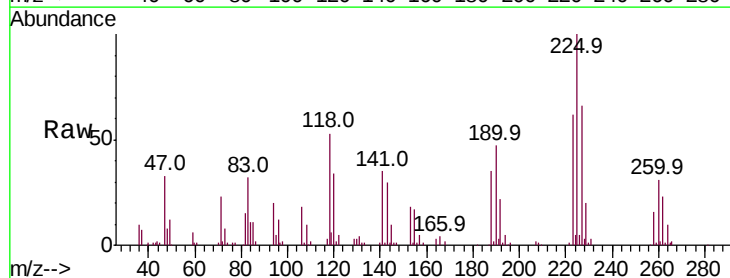


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

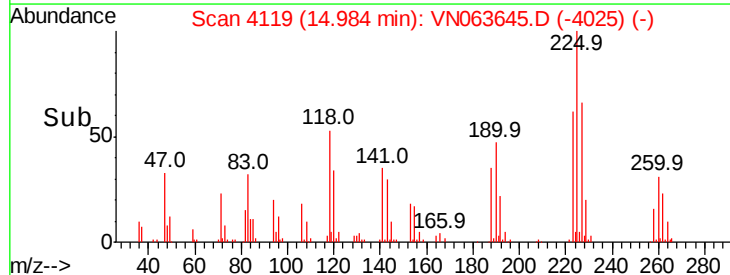
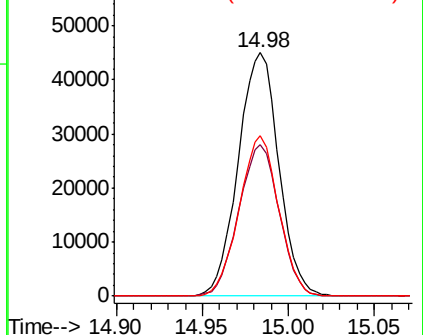


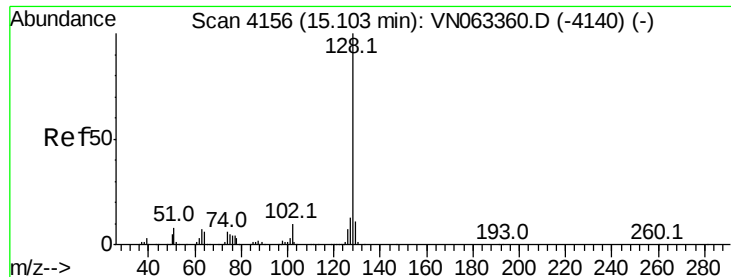
#94
 Hexachlorobutadiene
 Concen: 50.148 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN063645.D
 Acq: 24 Sep 2020 21:51

Tgt Ion:225 Resp: 73693
 Ion Ratio Lower Upper
 225 100
 223 62.0 30.6 91.6
 227 63.8 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: 43.274 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

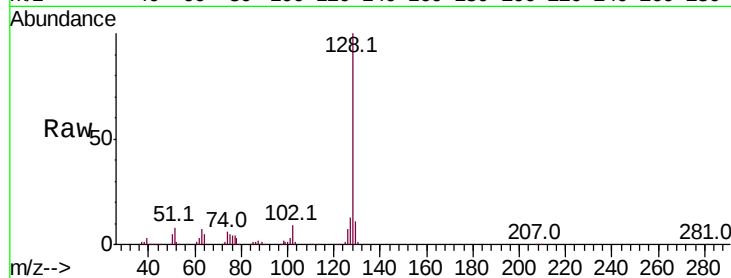
Tot Ion:128 Resp: 507488

Ion Ratio Lower Upper

128 100

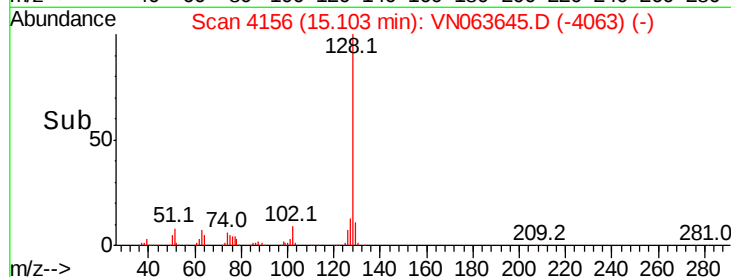
127 13.4 10.6 15.8

129 10.7 8.8 13.2

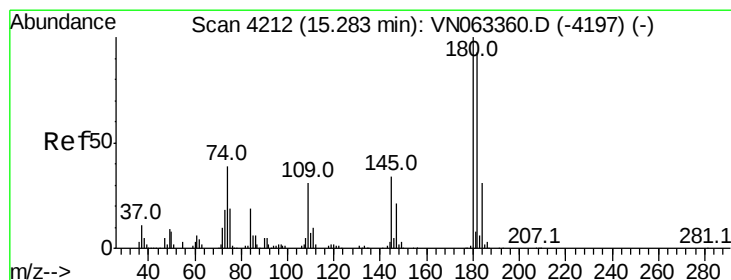


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

15.10



Time--> 15.00 15.10 15.20



#96

1,2,3-Trichlorobenzene

Concen: 44.398 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

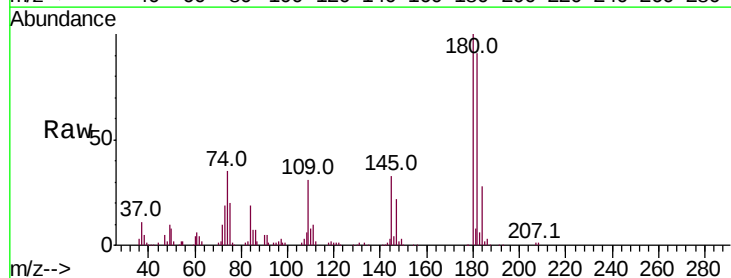
Tgt Ion:180 Resp: 152271

Ion Ratio Lower Upper

180 100

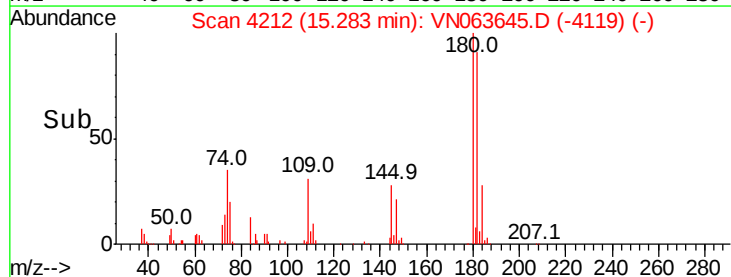
182 93.8 46.7 140.1

145 33.7 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

15.28



Time--> 15.20 15.30 15.40