

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091020\
 Data File : VN063299.D
 Acq On : 10 Sep 2020 17:23
 Operator : JC/MD
 Sample : VN0910MBSD01
 Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBSD01

Quant Time: Sep 11 06:09:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091020W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 11 06:02:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	473131	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	846394	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	765412	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	342062	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	337759	45.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.88%	
35) Dibromofluoromethane	7.55	113	249883	45.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.52%	
50) Toluene-d8	10.06	98	969412	46.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.66%	
62) 4-Bromofluorobenzene	12.38	95	353454	45.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	82590	18.176	ug/l	97
3) Chloromethane	2.04	50	121193	18.849	ug/l	97
4) Vinyl Chloride	2.17	62	121993	18.976	ug/l	98
5) Bromomethane	2.54	94	85085	18.970	ug/l	100
6) Chloroethane	2.68	64	79175	18.827	ug/l	94
7) Trichlorofluoromethane	2.99	101	177207	17.825	ug/l	97
8) Diethyl Ether	3.38	74	64704	18.253	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	95847	18.454	ug/l	99
10) Methyl Iodide	3.91	142	120626	17.916	ug/l	100
11) Tert butyl alcohol	4.73	59	91235	92.831	ug/l	99
12) 1,1-Dichloroethene	3.70	96	95813	18.480	ug/l	99
13) Acrolein	3.57	56	52014	116.937	ug/l	96
14) Allyl chloride	4.28	41	177049	16.635	ug/l	96
15) Acrylonitrile	4.93	53	252935	94.127	ug/l	99
16) Acetone	3.78	43	227839	88.763	ug/l	97
17) Carbon Disulfide	4.02	76	273347	18.178	ug/l	98
18) Methyl Acetate	4.28	43	118891	18.426	ug/l	94
19) Methyl tert-butyl Ether	4.99	73	340160	18.361	ug/l	99
20) Methylene Chloride	4.51	84	122186	20.148	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	104887	18.077	ug/l	90
22) Diisopropyl ether	5.90	45	388965	18.570	ug/l	90
23) Vinyl Acetate	5.85	43	1601932	97.164	ug/l	99
24) 1,1-Dichloroethane	5.80	63	211024	18.604	ug/l	100
25) 2-Butanone	6.78	43	357730	94.346	ug/l	99
26) 2,2-Dichloropropane	6.78	77	179084	18.013	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	120704	17.850	ug/l	99
28) Bromochloromethane	7.15	49	96647	17.571	ug/l	100
29) Tetrahydrofuran	7.17	42	232873	94.322	ug/l	98
30) Chloroform	7.33	83	208144	18.327	ug/l	95
31) Cyclohexane	7.61	56	195299	18.732	ug/l	95
32) 1,1,1-Trichloroethane	7.53	97	180530	18.235	ug/l	100
36) 1,1-Dichloropropene	7.75	75	156974	18.043	ug/l	99
37) Ethyl Acetate	6.88	43	157858	18.443	ug/l	99
38) Carbon Tetrachloride	7.73	117	157204	18.360	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	171349	18.054	ug/l	97
40) Benzene	8.00	78	454282	18.282	ug/l	100
41) Methacrylonitrile	7.17	41	215466	55.654	ug/l #	100
42) 1,2-Dichloroethane	8.09	62	172298	18.276	ug/l	99
43) Isopropyl Acetate	8.13	43	267791	18.475	ug/l #	92
44) Trichloroethene	8.80	130	118274	18.201	ug/l	98
45) 1,2-Dichloropropane	9.09	63	125249	18.376	ug/l	98
46) Dibromomethane	9.18	93	81901	18.530	ug/l	97
47) Bromodichloromethane	9.37	83	170211	18.480	ug/l	94
48) Methyl methacrylate	9.17	41	127585	18.447	ug/l	97
49) 1,4-Dioxane	9.17	88	35960	335.813	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	781801	97.871	ug/l	99
52) Toluene	10.13	92	282761	18.638	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	183093	18.229	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	196765	18.195	ug/l	96
55) 1,1,2-Trichloroethane	10.53	97	108840	18.308	ug/l	98
56) Ethyl methacrylate	10.40	69	169572	18.757	ug/l	98
57) 1,3-Dichloropropane	10.68	76	196529	18.918	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	396716	81.810	ug/l	100
59) 2-Hexanone	10.72	43	570687	96.870	ug/l	98
60) Dibromochloromethane	10.87	129	119150	18.252	ug/l	100
61) 1,2-Dibromoethane	10.98	107	113441	18.304	ug/l	99
64) Tetrachloroethene	10.60	164	114314	18.231	ug/l	98
65) Chlorobenzene	11.41	112	296399	17.987	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.48	131	107657	17.932	ug/l	99
67) Ethyl Benzene	11.49	91	553854	18.723	ug/l	97
68) m/p-Xylenes	11.59	106	402148	36.751	ug/l	99
69) o-Xylene	11.92	106	194921	18.562	ug/l	98
70) Styrene	11.94	104	322871	18.499	ug/l	99
71) Bromoform	12.10	173	76146	18.338	ug/l #	99
73) Isopropylbenzene	12.23	105	525257	19.037	ug/l	99
74) N-amyl acetate	12.05	43	220062	19.427	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	150091	18.995	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	207930	27.554	ug/l #	100
77) Bromobenzene	12.50	156	118057	18.615	ug/l	99
78) n-propylbenzene	12.57	91	600959	19.173	ug/l	99
79) 2-Chlorotoluene	12.65	91	361184	18.741	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	432479	18.877	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.28	75	51342	18.280	ug/l	99
82) 4-Chlorotoluene	12.75	91	372195	18.424	ug/l	99
83) tert-Butylbenzene	12.97	119	364703	18.770	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	442083	19.144	ug/l	100
85) sec-Butylbenzene	13.15	105	475473	19.235	ug/l	98
86) p-Isopropyltoluene	13.26	119	424161	18.717	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	212762	18.351	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	213075	18.578	ug/l	99
89) n-Butylbenzene	13.59	91	383650	18.754	ug/l	99
90) Hexachloroethane	13.85	117	70933	19.029	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	210555	18.374	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	32742	18.222	ug/l	98

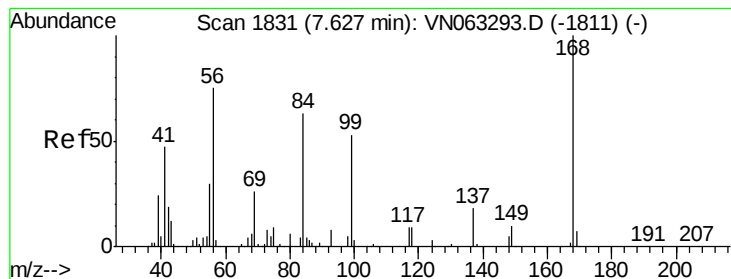
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091020\
Data File : VN063299.D
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091020W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 11 06:02:56 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	117489	17.516	ug/l	97
94) Hexachlorobutadiene	14.98	225	45629	18.061	ug/l	99
95) Naphthalene	15.11	128	360742	17.548	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	110609	17.833	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN063299.D

Acq: 10 Sep 2020 17:23

Instrument :

MSVOA_N

ClientSampleId :

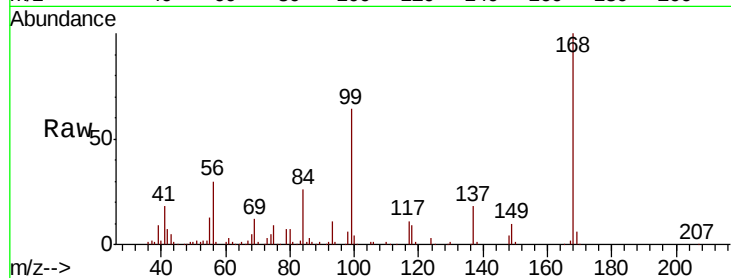
VN0910MBSD01

Tot Ion:168 Resp: 473131

Ion Ratio Lower Upper

168 100

99 63.5 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

200000

150000

100000

50000

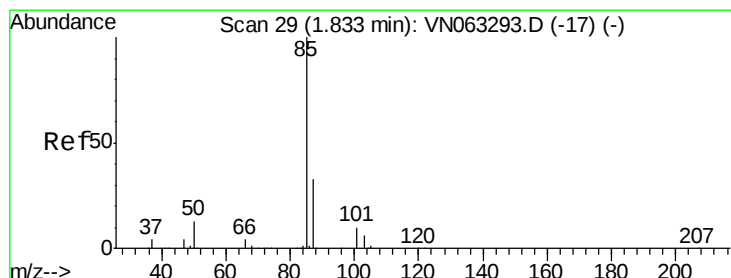
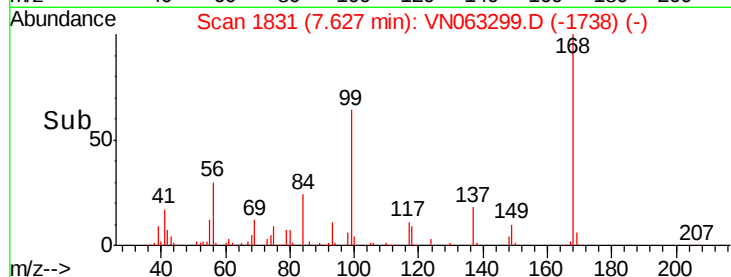
0

7.50

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 18.176 ug/l

RT: 1.83 min Scan# 29

Delta R.T. -0.00 min

Lab File: VN063299.D

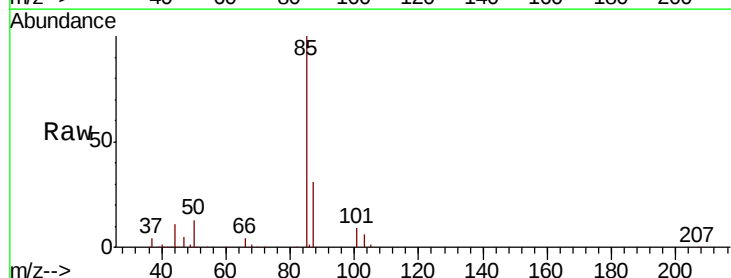
Acq: 10 Sep 2020 17:23

Tgt Ion: 85 Resp: 82590

Ion Ratio Lower Upper

85 100

87 31.2 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

60000

40000

20000

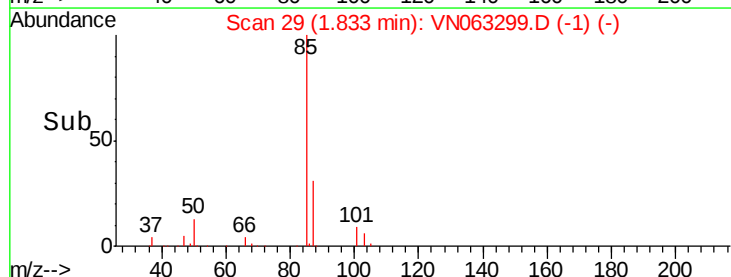
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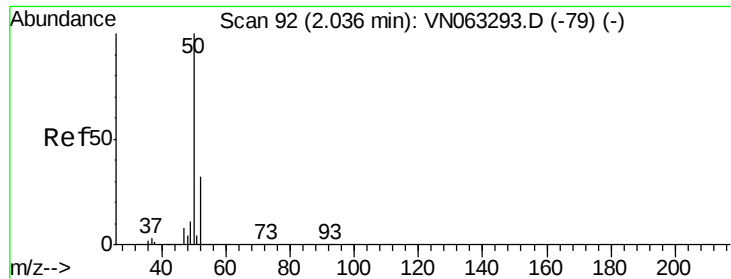
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 18.849 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063299.D

Acq: 10 Sep 2020 17:23

Instrument :

MSVOA_N

ClientSampleId :

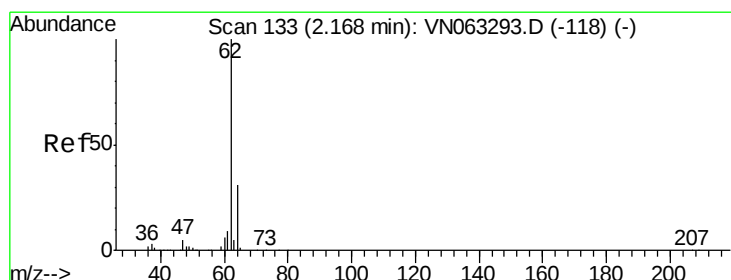
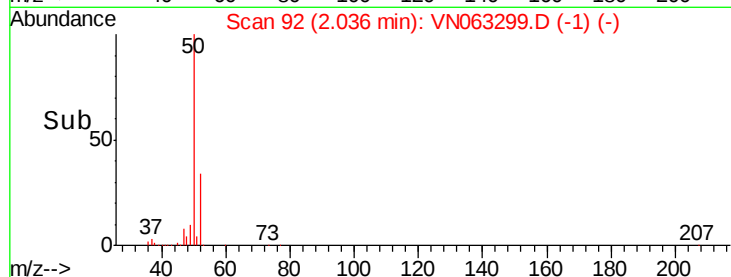
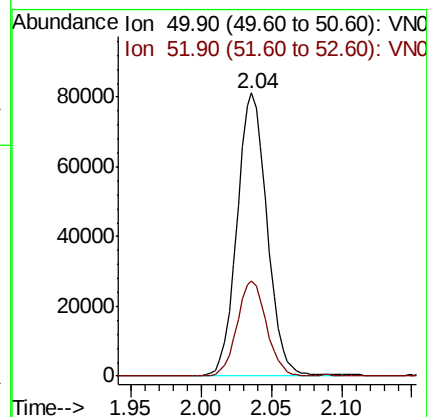
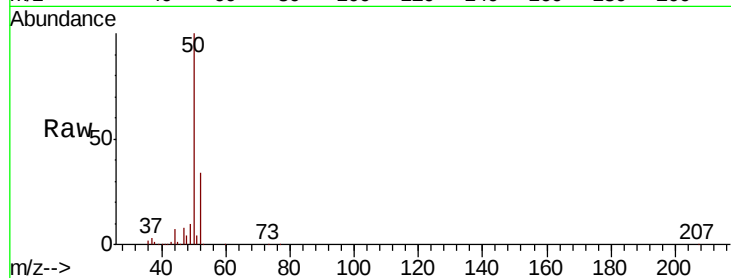
VN0910MBSD01

Tot Ion: 50 Resp: 121193

Ion Ratio Lower Upper

50 100

52 33.7 25.4 38.2



#4

Vinyl Chloride

Concen: 18.976 ug/l

RT: 2.17 min Scan# 133

Delta R.T. -0.00 min

Lab File: VN063299.D

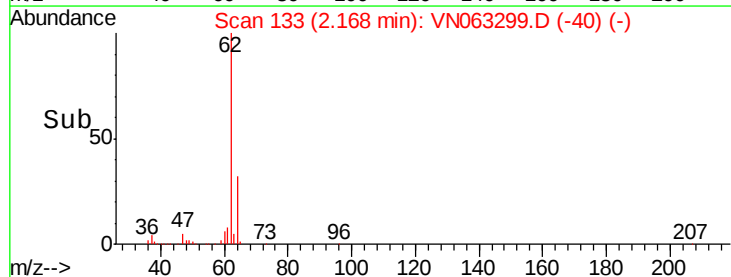
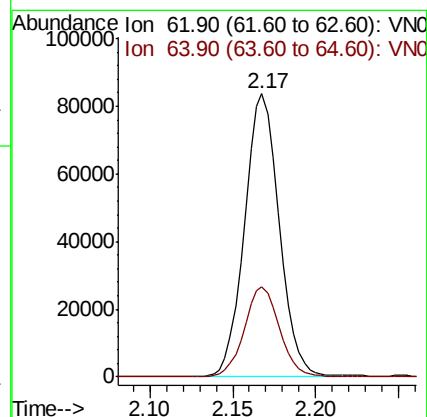
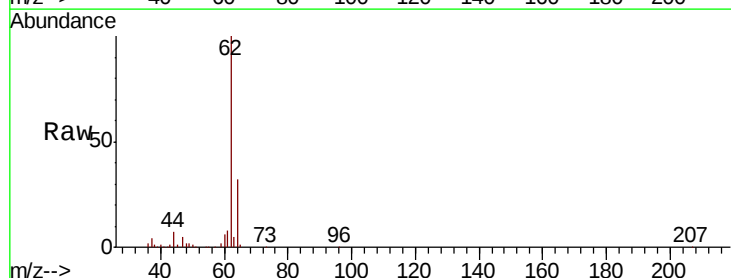
Acq: 10 Sep 2020 17:23

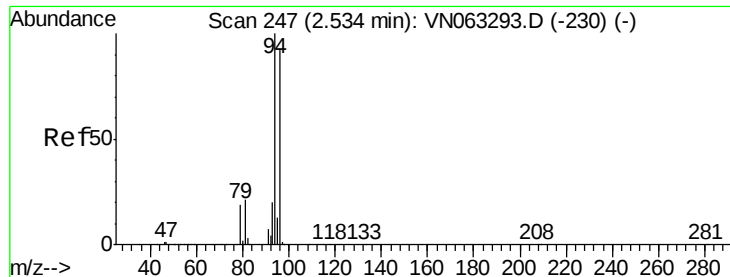
Tgt Ion: 62 Resp: 121993

Ion Ratio Lower Upper

62 100

64 31.8 24.6 37.0





#5

Bromomethane

Concen: 18.970 ug/l

RT: 2.54 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN063299.D

Acq: 10 Sep 2020 17:23

Instrument :

MSVOA_N

ClientSampleId :

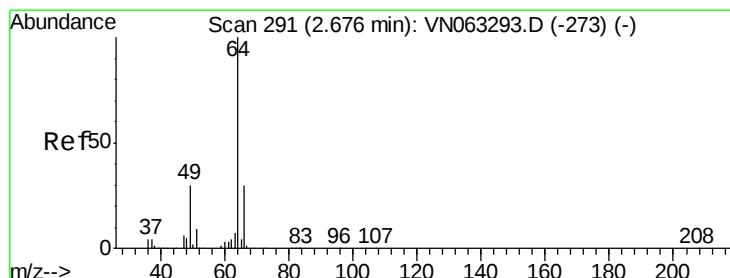
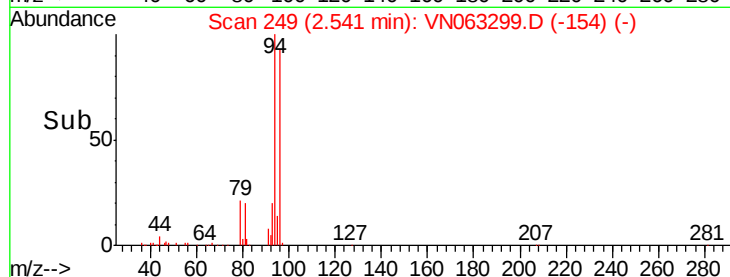
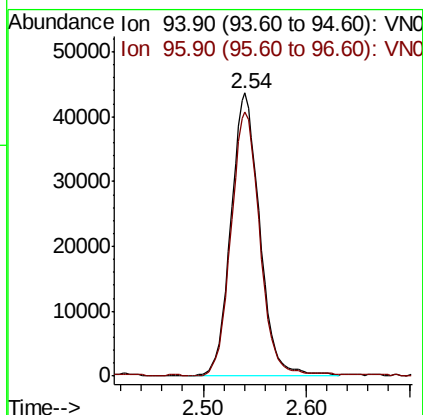
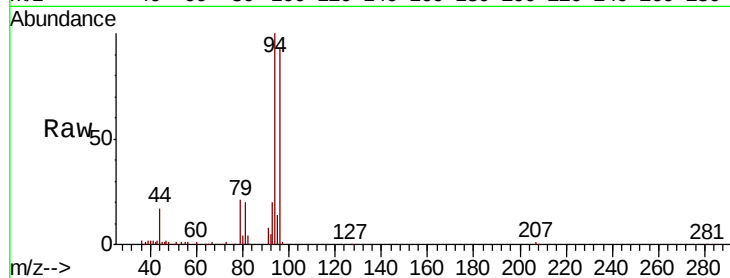
VN0910MBSD01

Tot Ion: 94 Resp: 85085

Ion Ratio Lower Upper

94 100

96 93.3 74.3 111.5



#6

Chloroethane

Concen: 18.827 ug/l

RT: 2.68 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN063299.D

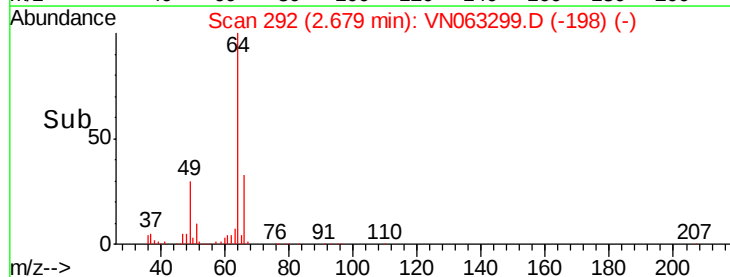
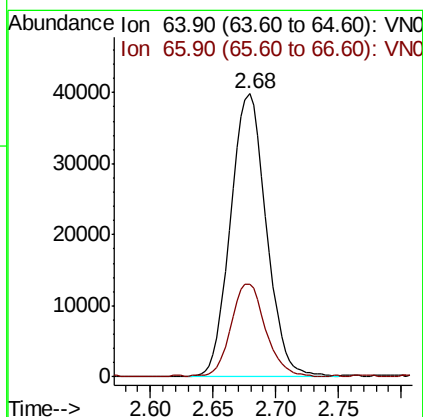
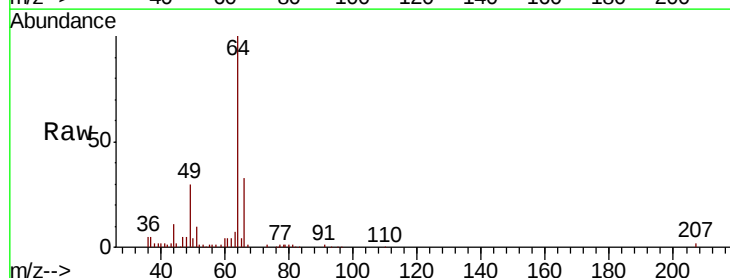
Acq: 10 Sep 2020 17:23

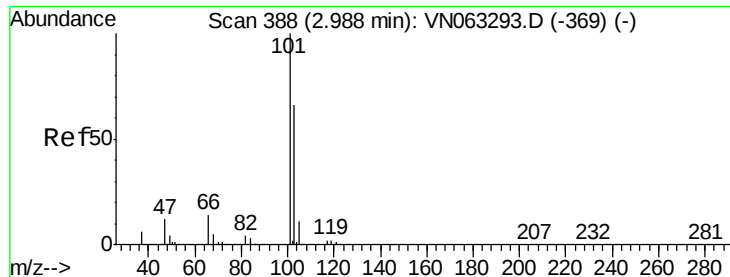
Tgt Ion: 64 Resp: 79175

Ion Ratio Lower Upper

64 100

66 32.9 23.8 35.6



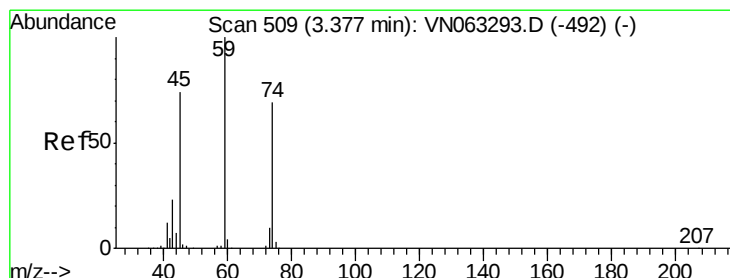
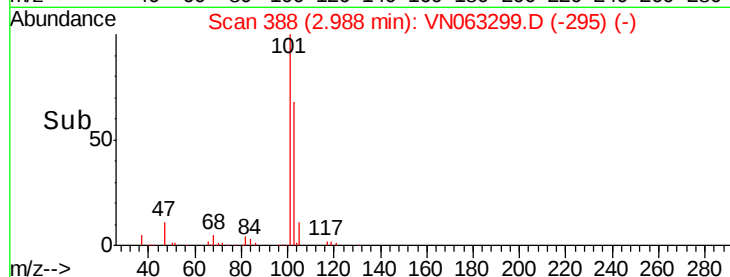
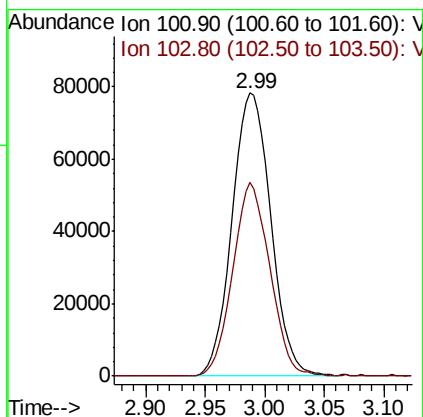
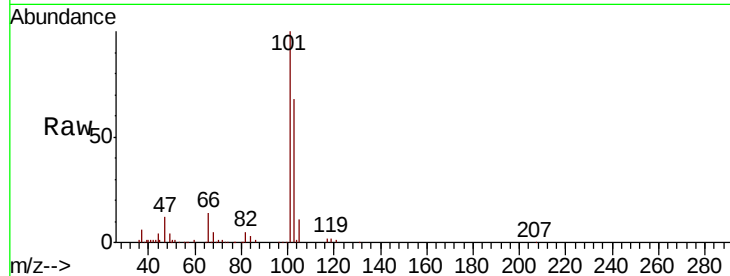


#7

Trichlorofluoromethane
 Concen: 17.825 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN063299.D
 Acq: 10 Sep 2020 17:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBSD01

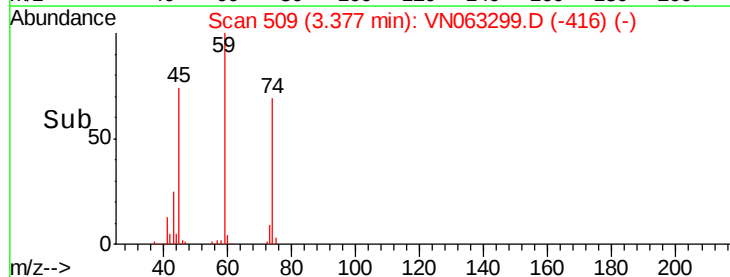
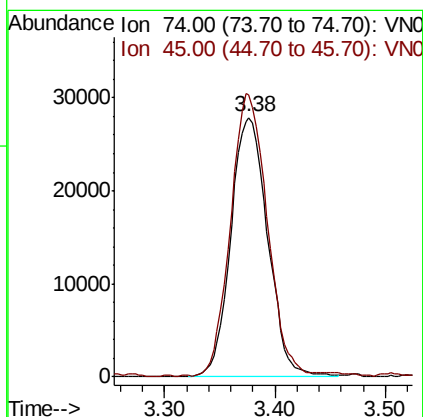
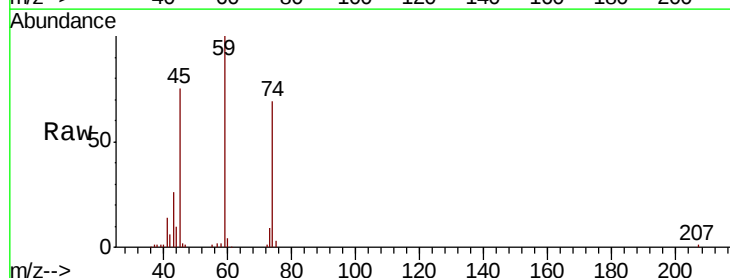
Tot Ion:101 Resp: 177207
 Ion Ratio Lower Upper
 101 100
 103 68.3 52.4 78.6

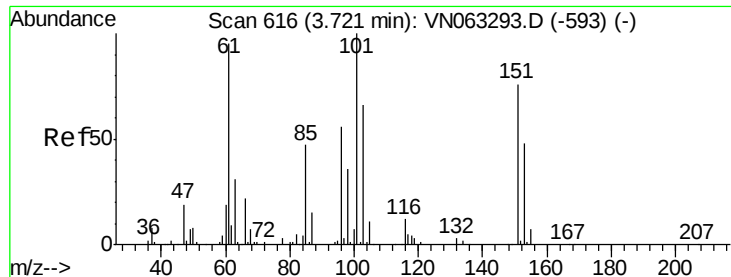


#8

Diethyl Ether
 Concen: 18.253 ug/l
 RT: 3.38 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN063299.D
 Acq: 10 Sep 2020 17:23

Tgt Ion: 74 Resp: 64704
 Ion Ratio Lower Upper
 74 100
 45 109.0 52.7 158.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.454 ug/l

RT: 3.72 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN063299.D

Acq: 10 Sep 2020 17:23

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBSD01

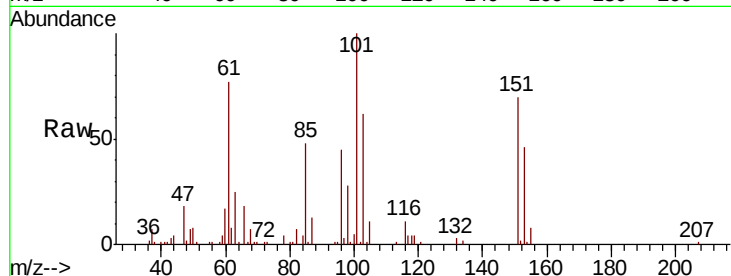
Tot Ion:101 Resp: 95847

Ion Ratio Lower Upper

101 100

85 47.2 36.9 55.3

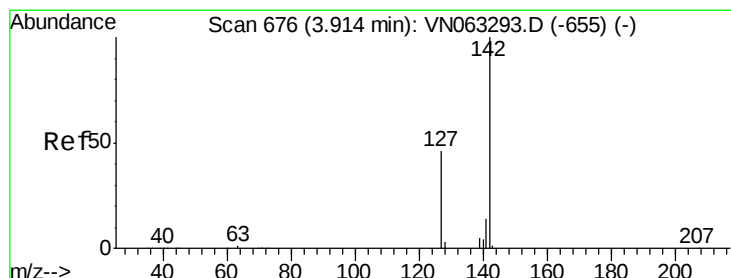
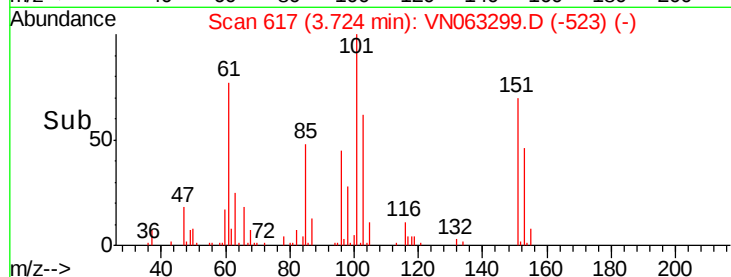
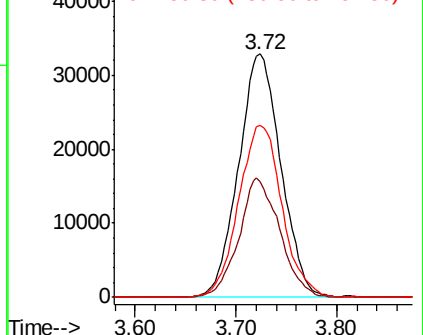
151 72.2 57.8 86.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.916 ug/l

RT: 3.91 min Scan# 676

Delta R.T. -0.00 min

Lab File: VN063299.D

Acq: 10 Sep 2020 17:23

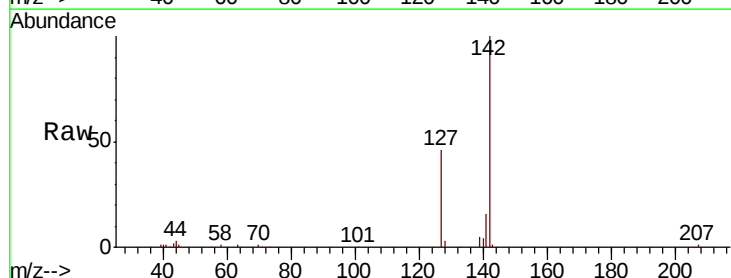
Tgt Ion:142 Resp: 120626

Ion Ratio Lower Upper

142 100

127 46.4 37.1 55.7

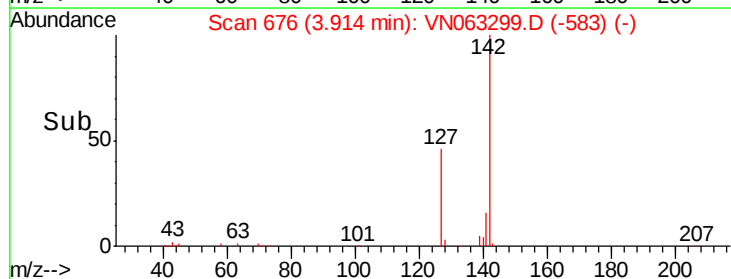
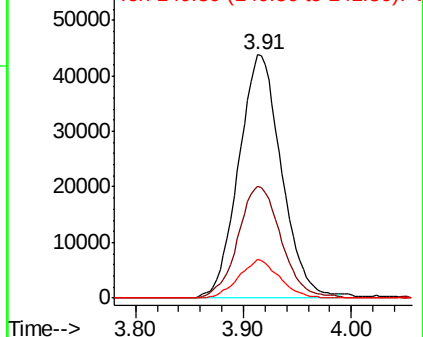
141 14.9 11.6 17.4

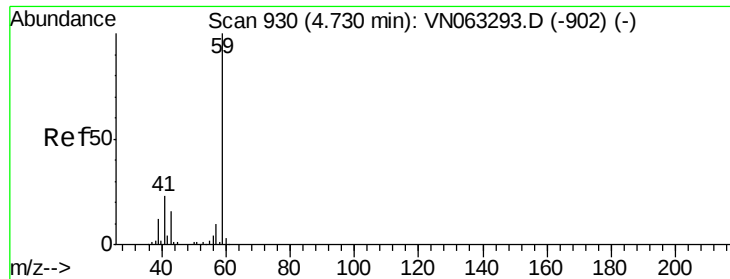


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

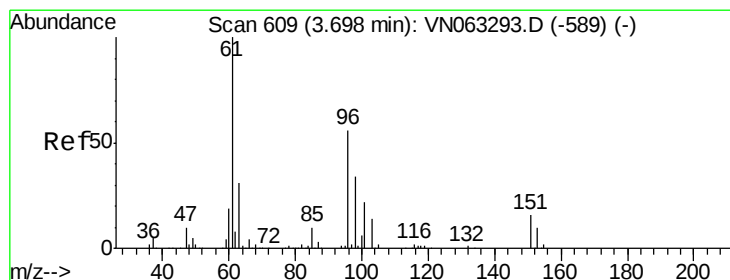
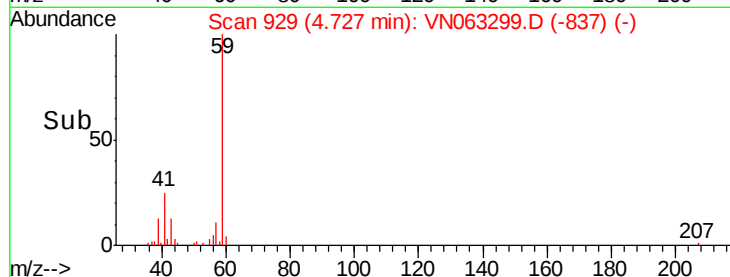
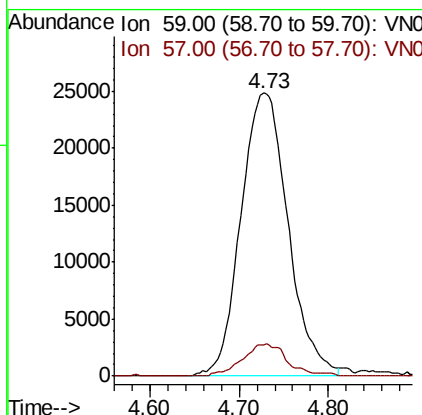
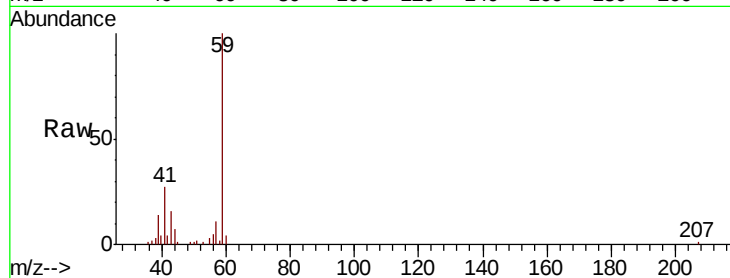




#11
Tert butyl alcohol
Concen: 92.831 ug/l
RT: 4.73 min Scan# 929
Delta R.T. -0.00 min
Lab File: VN063299.D
Acq: 10 Sep 2020 17:23

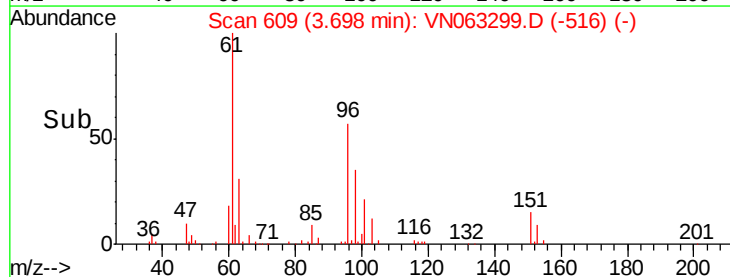
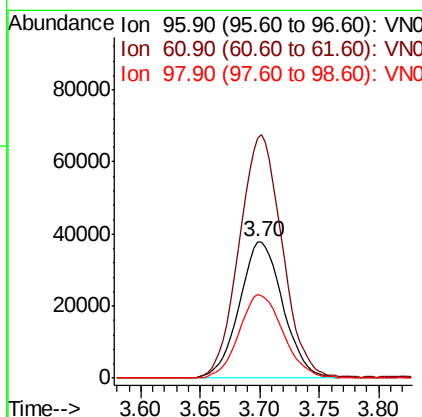
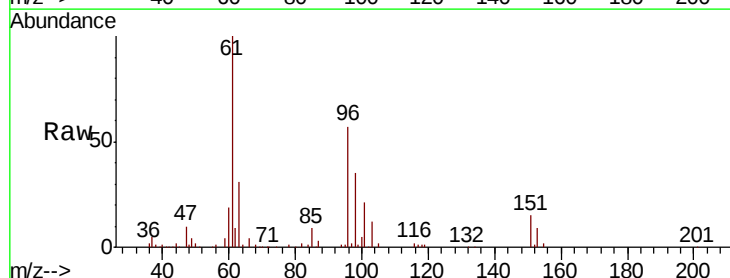
Instrument :
MSVOA_N
ClientSampleId :
VN0910MBSD01

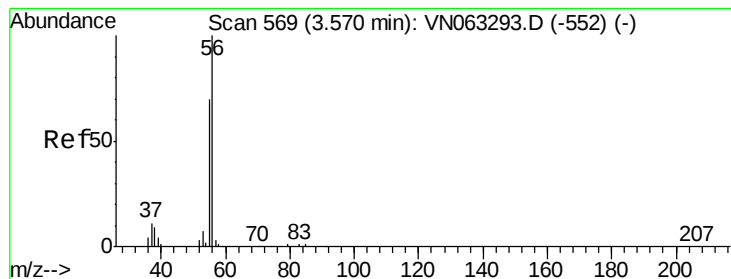
Tot Ion: 59 Resp: 91235
Ion Ratio Lower Upper
59 100
57 10.7 8.3 12.5



#12
1,1-Dichloroethene
Concen: 18.480 ug/l
RT: 3.70 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN063299.D
Acq: 10 Sep 2020 17:23

Tgt Ion: 96 Resp: 95813
Ion Ratio Lower Upper
96 100
61 175.9 142.1 213.1
98 61.4 48.8 73.2





#13

Acrolein

Concen: 116.937 ug/l

RT: 3.57 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN063299.D

Acq: 10 Sep 2020 17:23

Instrument :

MSVOA_N

ClientSampleId :

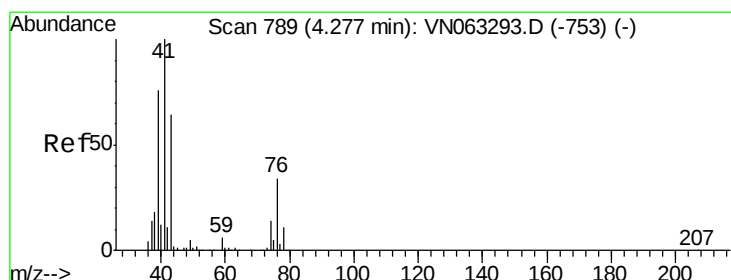
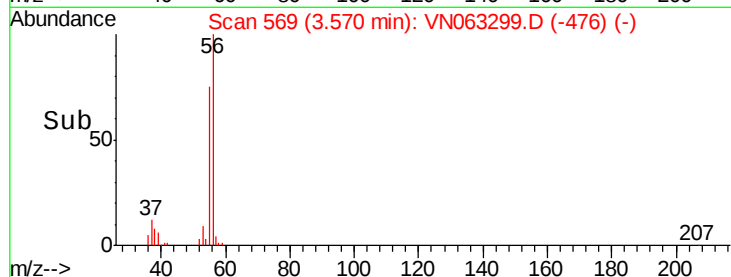
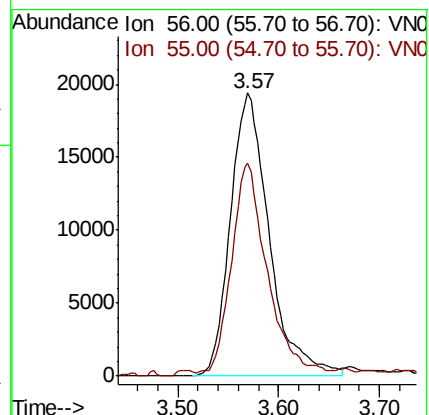
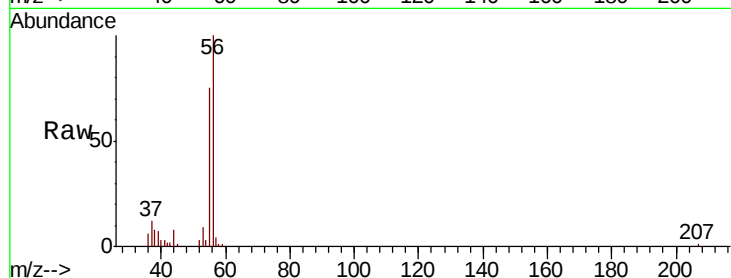
VN0910MBSD01

Tot Ion: 56 Resp: 52014

Ion Ratio Lower Upper

56 100

55 68.0 57.2 85.8



#14

Allyl chloride

Concen: 16.635 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN063299.D

Acq: 10 Sep 2020 17:23

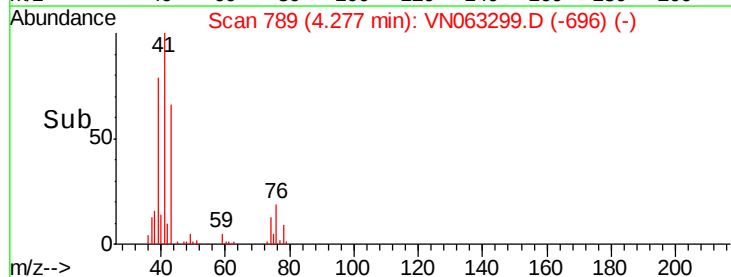
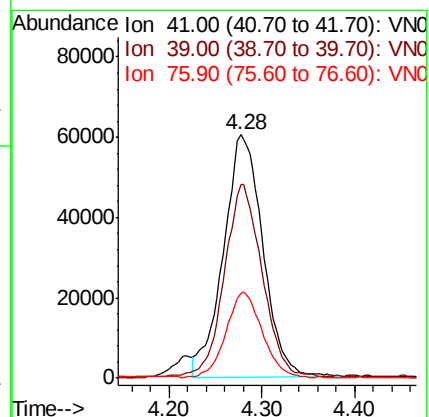
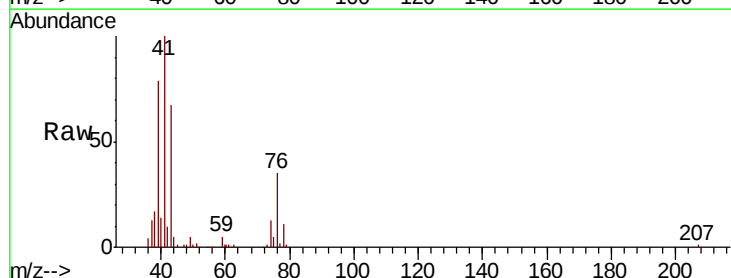
Tgt Ion: 41 Resp: 177049

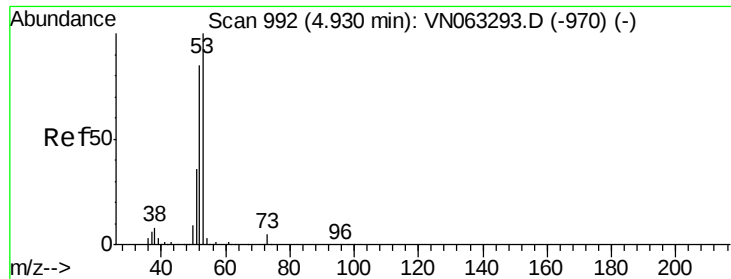
Ion Ratio Lower Upper

41 100

39 76.3 57.4 86.2

76 32.2 25.7 38.5





#15

Acrylonitrile

Concen: 94.127 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN063299.D

Acq: 10 Sep 2020 17:23

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBSD01

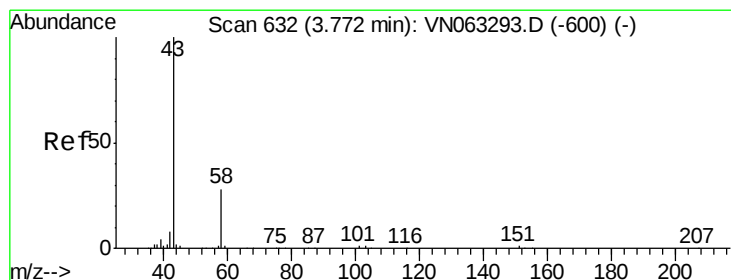
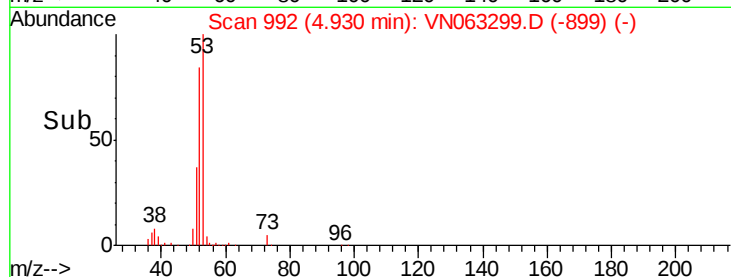
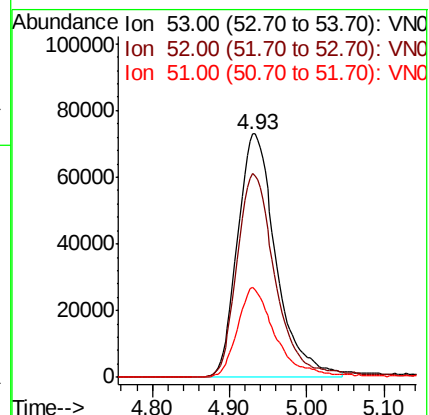
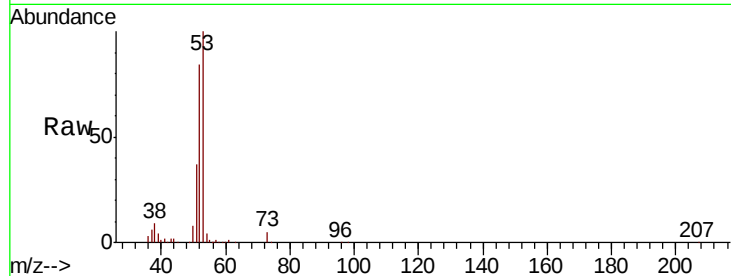
Tot Ion: 53 Resp: 252935

Ion Ratio Lower Upper

53 100

52 81.9 66.5 99.7

51 36.1 29.8 44.6



#16

Acetone

Concen: 88.763 ug/l

RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN063299.D

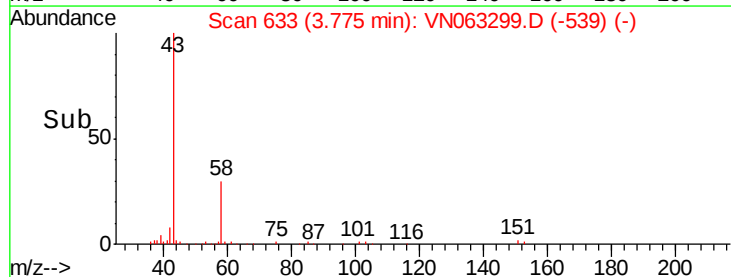
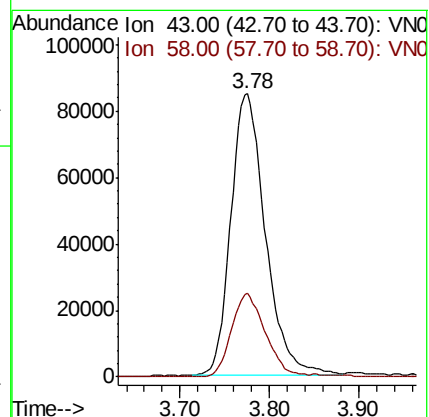
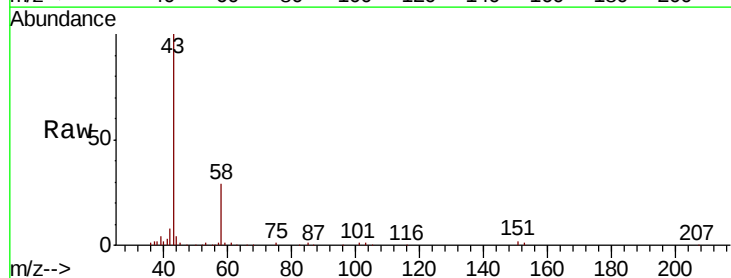
Acq: 10 Sep 2020 17:23

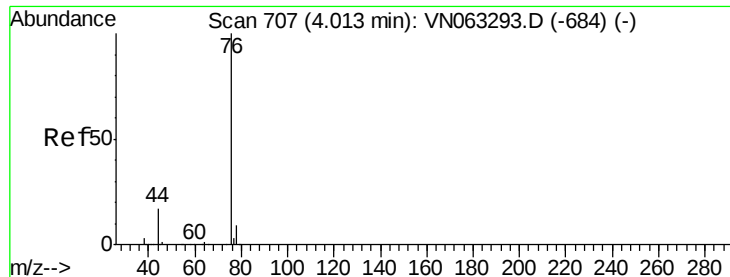
Tgt Ion: 43 Resp: 227839

Ion Ratio Lower Upper

43 100

58 29.6 22.6 34.0

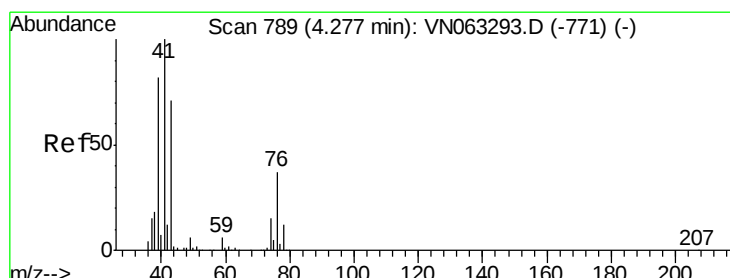
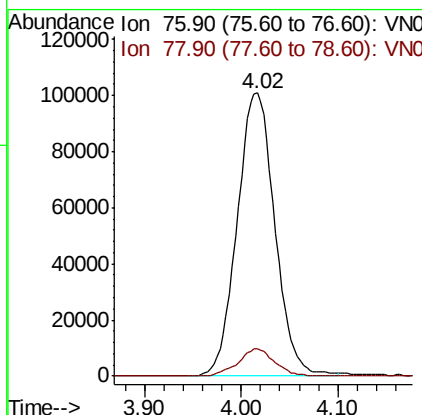
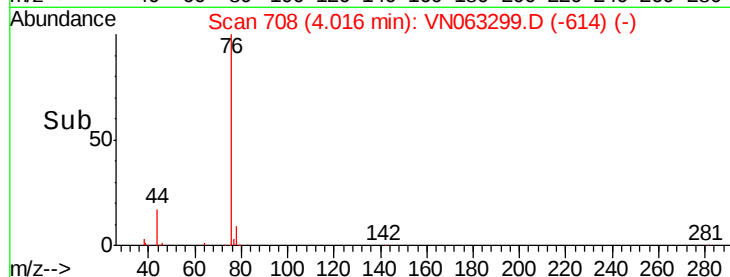
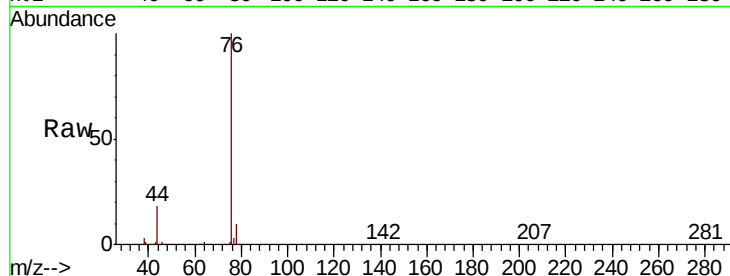




#17
Carbon Disulfide
Concen: 18.178 ug/l
RT: 4.02 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN063299.D
Acq: 10 Sep 2020 17:23

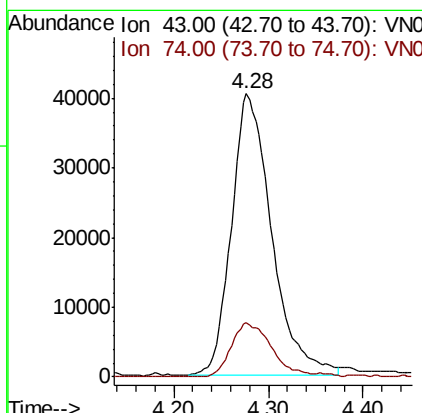
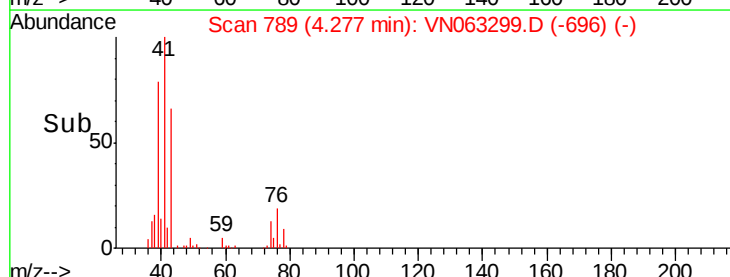
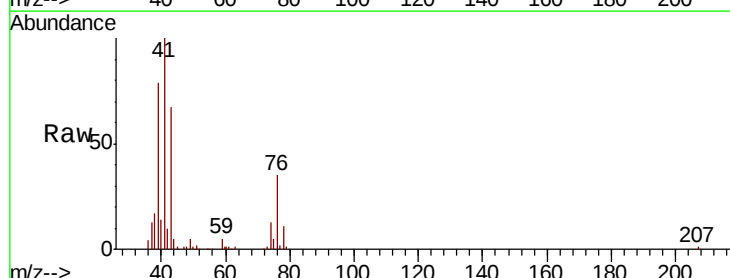
Instrument :
MSVOA_N
ClientSampleId :
VN0910MBSD01

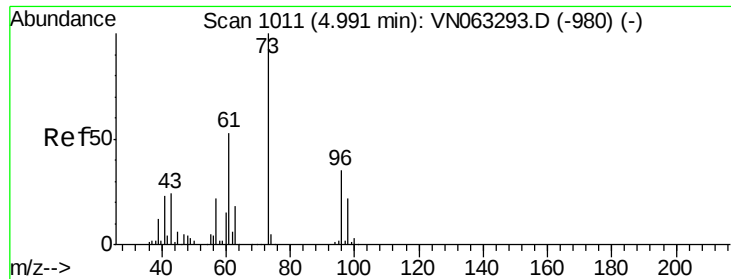
Tot Ion: 76 Resp: 273347
Ion Ratio Lower Upper
76 100
78 9.6 7.2 10.8



#18
Methyl Acetate
Concen: 18.426 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN063299.D
Acq: 10 Sep 2020 17:23

Tgt Ion: 43 Resp: 118891
Ion Ratio Lower Upper
43 100
74 19.4 17.8 26.6

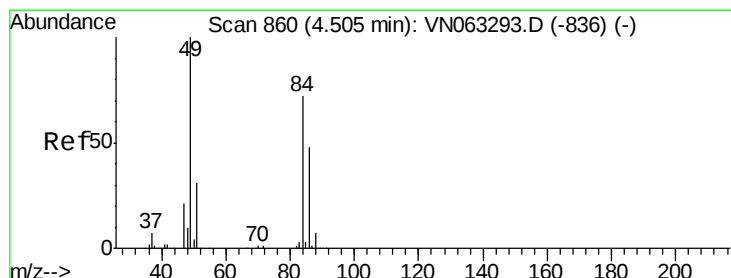
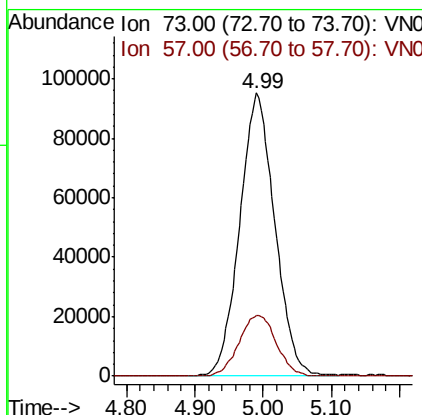
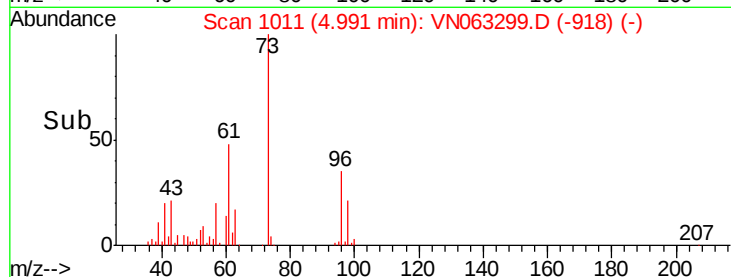
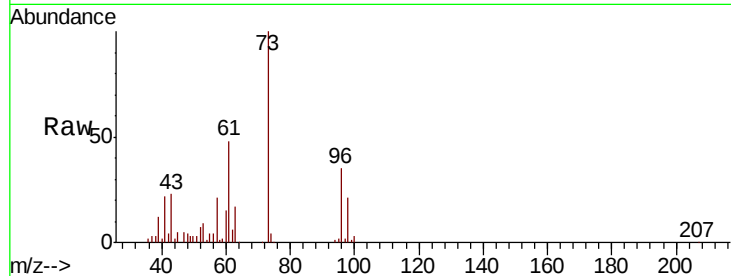




#19
Methyl tert-butyl Ether
Concen: 18.361 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VN063299.D
Acq: 10 Sep 2020 17:23

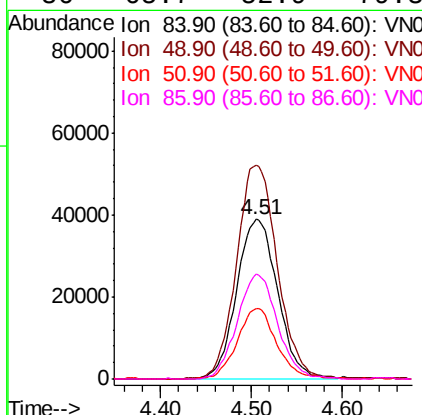
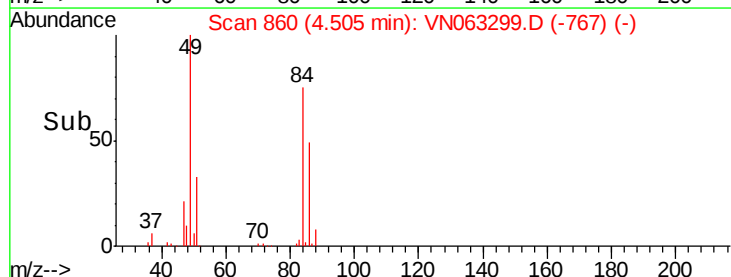
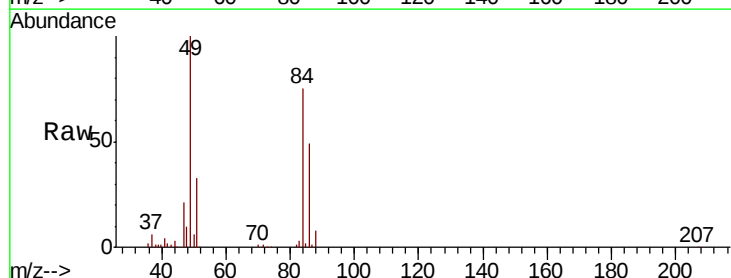
Instrument :
MSVOA_N
ClientSampleID :
VN0910MBSD01

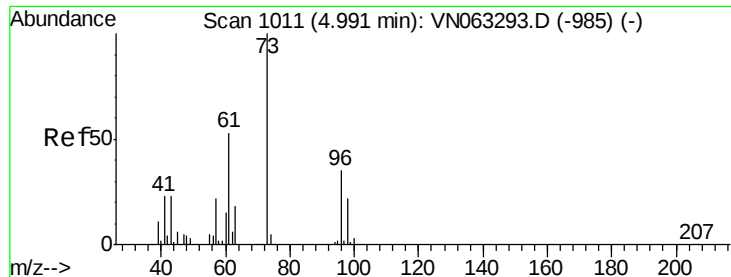
Tot Ion: 73 Resp: 340160
Ion Ratio Lower Upper
73 100
57 21.2 17.5 26.3



#20
Methylene Chloride
Concen: 20.148 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN063299.D
Acq: 10 Sep 2020 17:23

Tgt Ion: 84 Resp: 122186
Ion Ratio Lower Upper
84 100
49 133.2 111.1 166.7
51 43.8 34.3 51.5
86 65.7 52.9 79.3

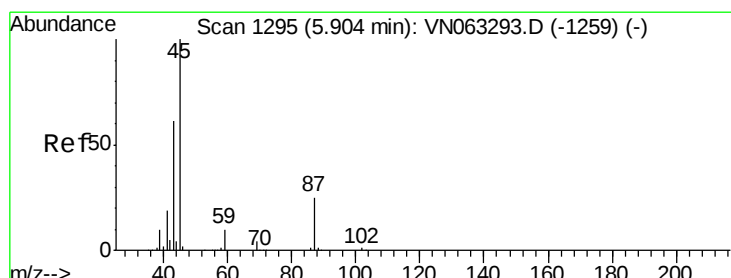
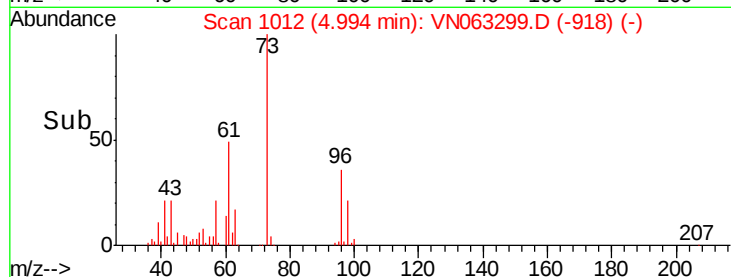
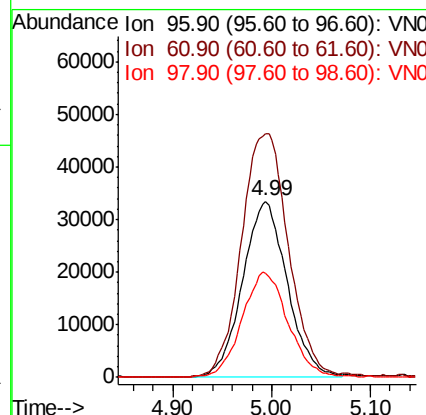
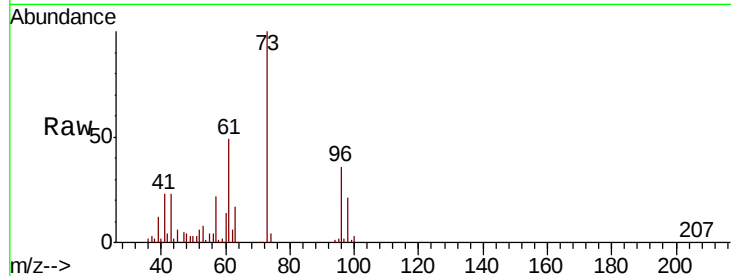




#21
trans-1,2-Dichloroethene
Concen: 18.077 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN063299.D
Acq: 10 Sep 2020 17:23

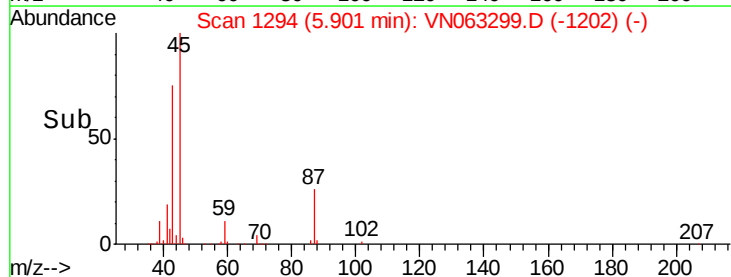
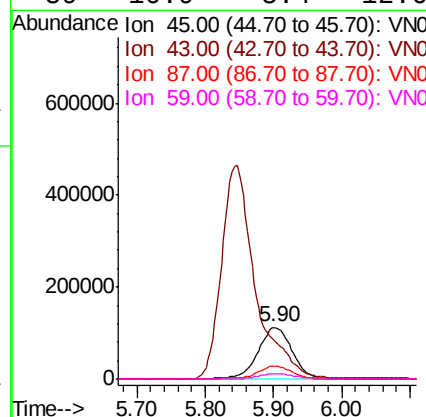
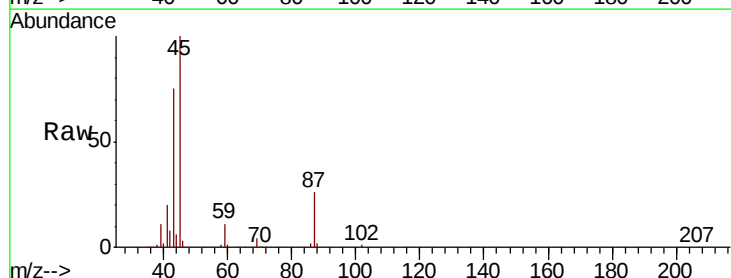
Instrument :
MSVOA_N
ClientSampleId :
VN0910MBSD01

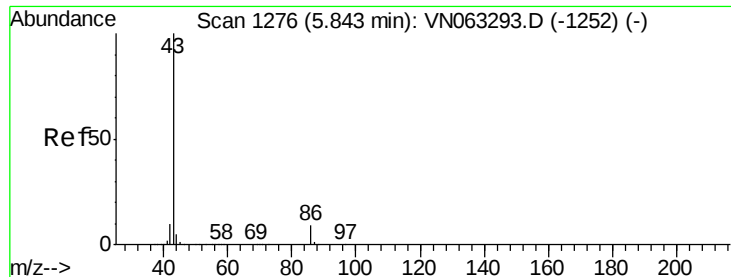
Tot Ion: 96 Resp: 104887
Ion Ratio Lower Upper
96 100
61 137.2 121.8 182.8
98 59.3 51.2 76.8



#22
Diisopropyl ether
Concen: 18.570 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VN063299.D
Acq: 10 Sep 2020 17:23

Tgt Ion: 45 Resp: 388965
Ion Ratio Lower Upper
45 100
43 74.8 50.3 75.5
87 25.7 20.7 31.1
59 10.9 8.4 12.6





#23

Vinyl Acetate

Concen: 97.164 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN063299.D

Acq: 10 Sep 2020 17:23

Instrument :

MSVOA_N

ClientSampled :

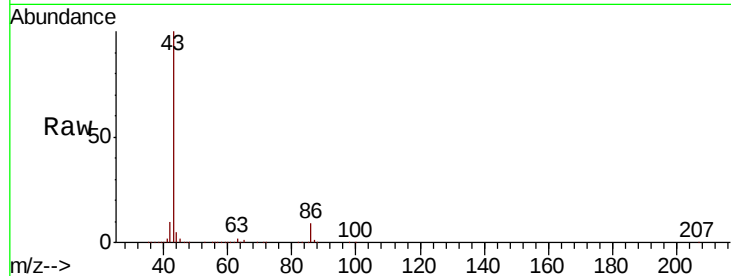
VN0910MBSD01

Tot Ion: 43 Resp: 1601932

Ion Ratio Lower Upper

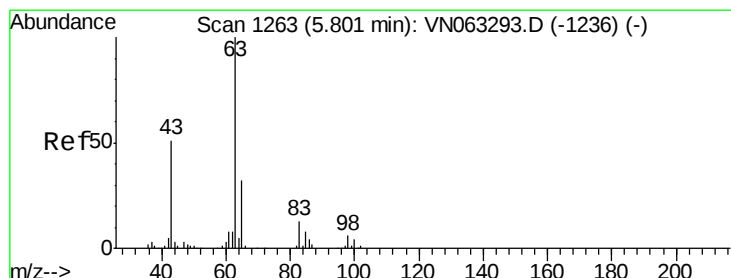
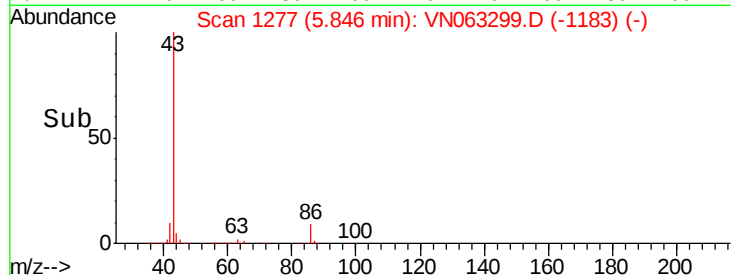
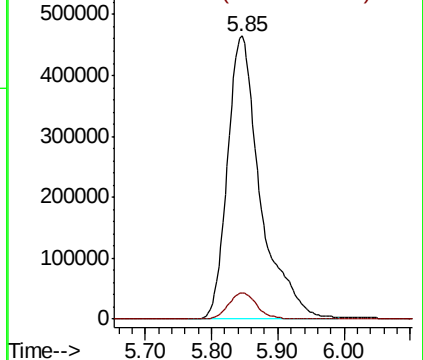
43 100

86 9.2 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 18.604 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VN063299.D

Acq: 10 Sep 2020 17:23

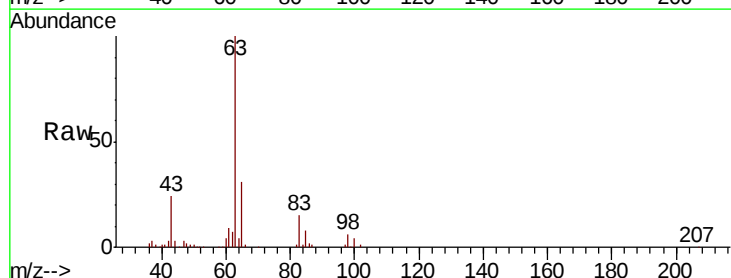
Tgt Ion: 63 Resp: 211024

Ion Ratio Lower Upper

63 100

98 6.2 3.1 9.3

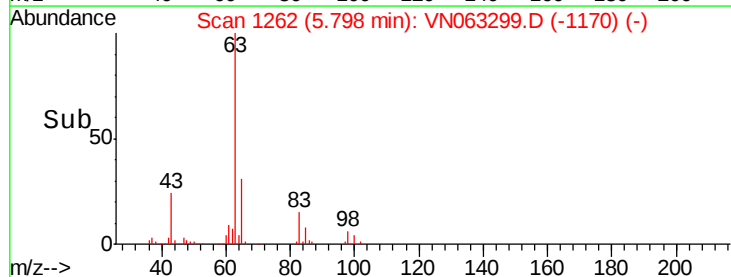
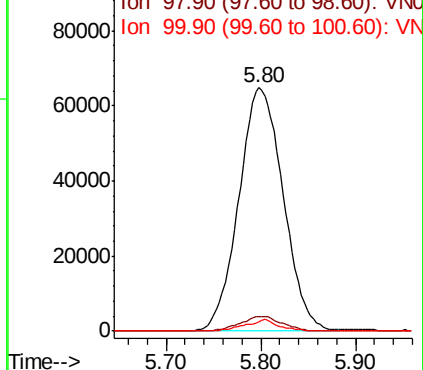
100 3.8 2.0 6.0

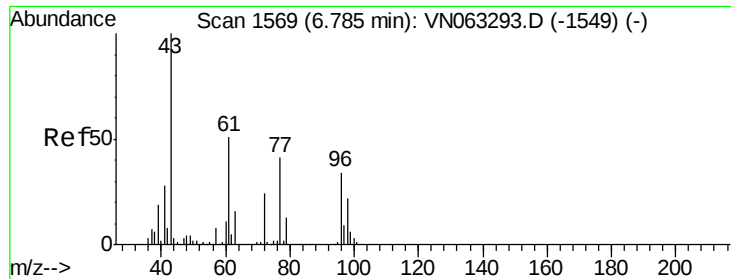


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

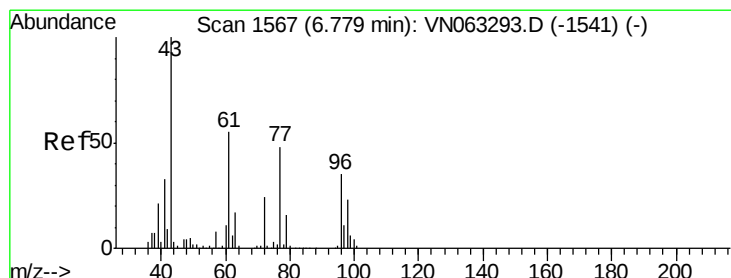
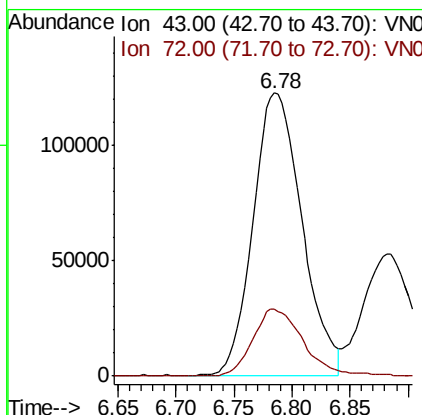
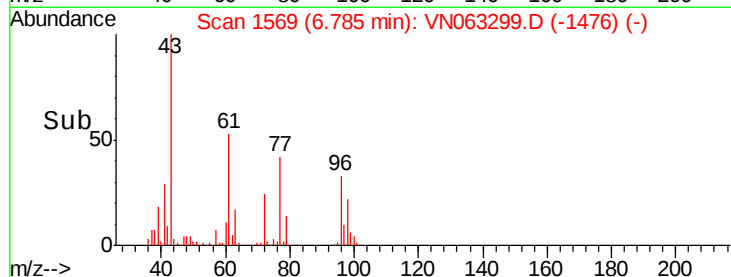
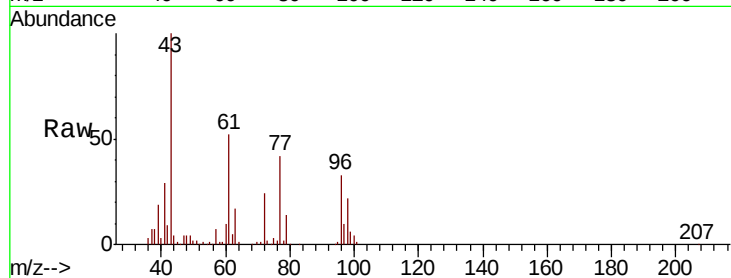




#25
2-Butanone
Concen: 94.346 ug/l
RT: 6.78 min Scan# 1569
Delta R.T. -0.00 min
Lab File: VN063299.D
Acq: 10 Sep 2020 17:23

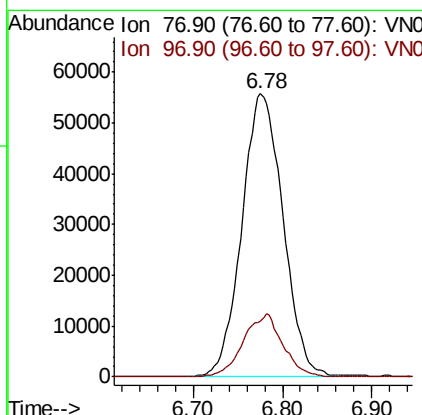
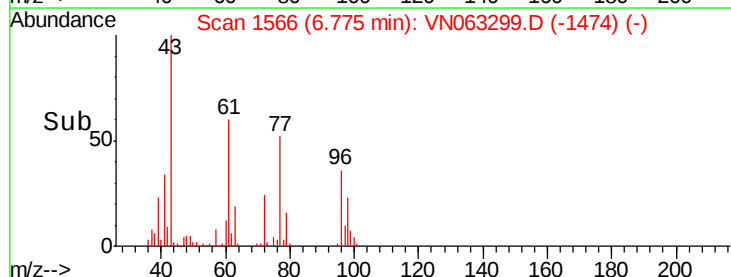
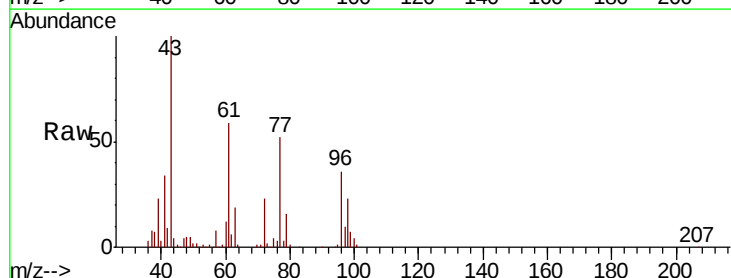
Instrument :
MSVOA_N
ClientSampleId :
VN0910MBSD01

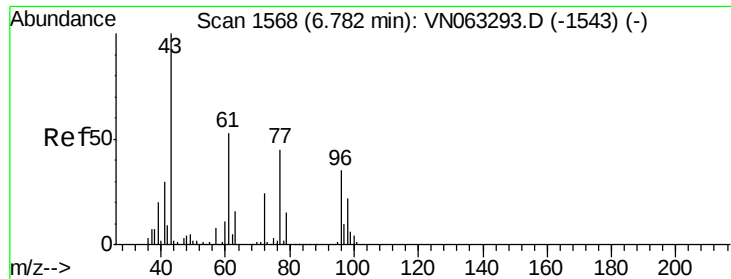
Tot Ion: 43 Resp: 357730
Ion Ratio Lower Upper
43 100
72 23.7 19.4 29.2



#26
2,2-Dichloropropane
Concen: 18.013 ug/l
RT: 6.78 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VN063299.D
Acq: 10 Sep 2020 17:23

Tgt Ion: 77 Resp: 179084
Ion Ratio Lower Upper
77 100
97 21.2 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 17.850 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN063299.D

Acq: 10 Sep 2020 17:23

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBSD01

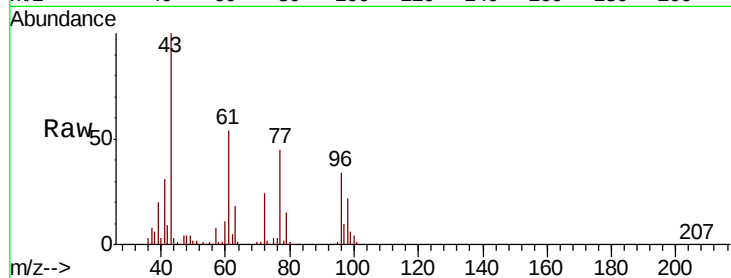
Tot Ion: 96 Resp: 120704

Ion Ratio Lower Upper

96 100

61 162.9 0.0 322.8

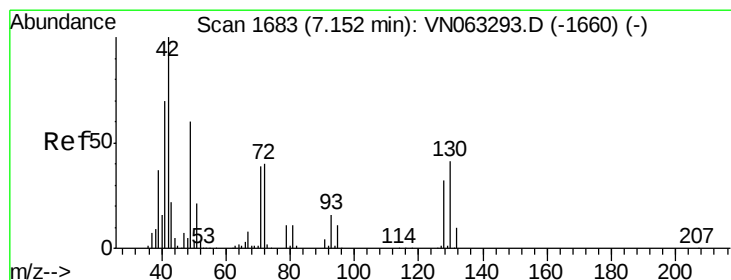
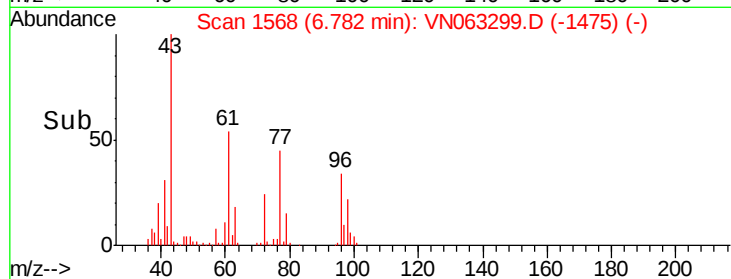
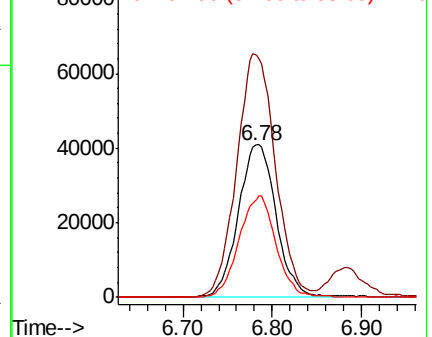
98 64.6 0.0 132.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 17.571 ug/l

RT: 7.15 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VN063299.D

Acq: 10 Sep 2020 17:23

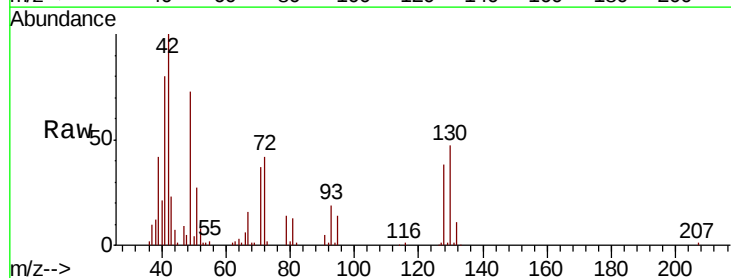
Tgt Ion: 49 Resp: 96647

Ion Ratio Lower Upper

49 100

129 1.5 0.0 3.4

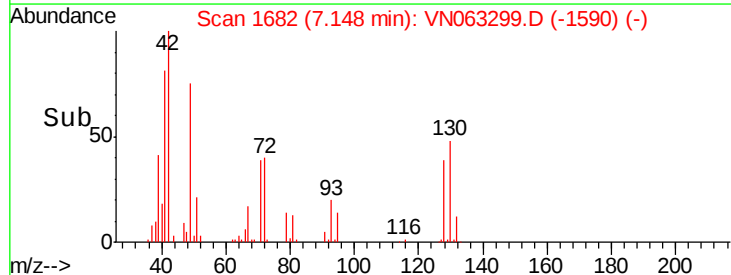
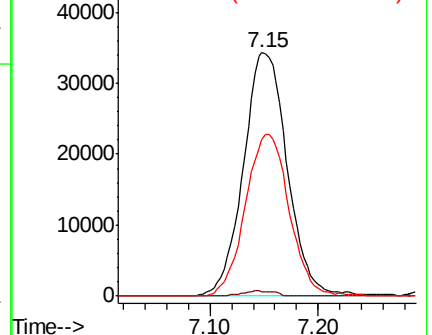
130 66.6 53.1 79.7

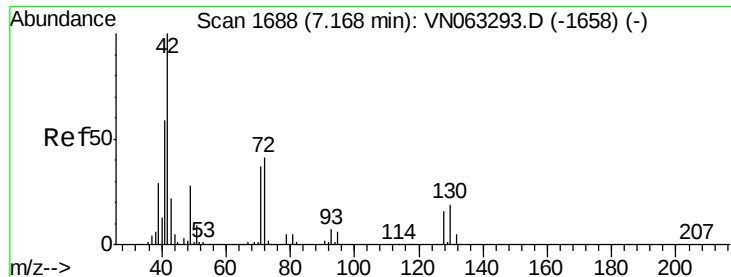


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 94.322 ug/l

RT: 7.17 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VN063299.D

Acq: 10 Sep 2020 17:23

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBSD01

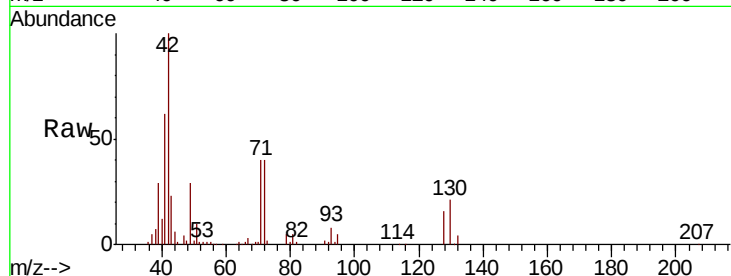
Tot Ion: 42 Resp: 232873

Ion Ratio Lower Upper

42 100

72 40.0 31.4 47.2

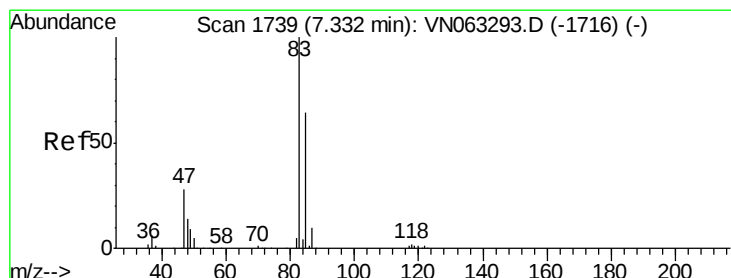
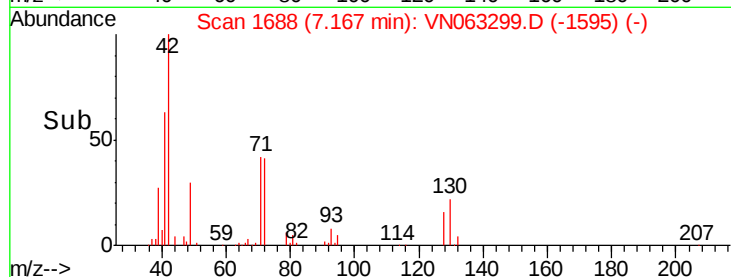
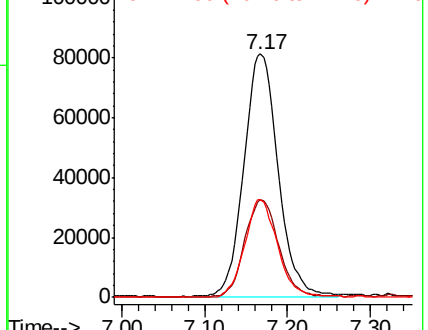
71 38.8 30.0 45.0



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 18.327 ug/l

RT: 7.33 min Scan# 1739

Delta R.T. -0.00 min

Lab File: VN063299.D

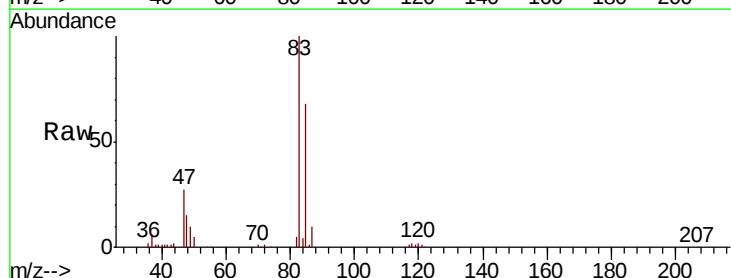
Acq: 10 Sep 2020 17:23

Tgt Ion: 83 Resp: 208144

Ion Ratio Lower Upper

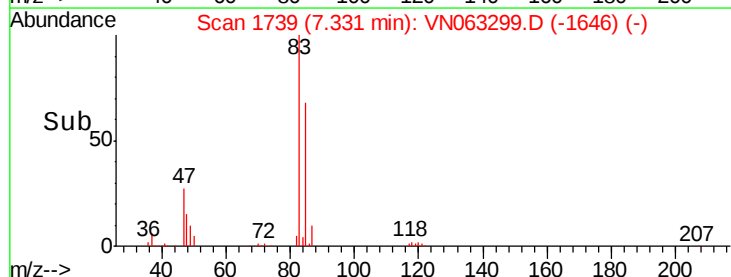
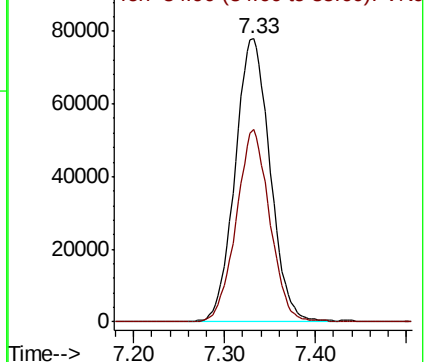
83 100

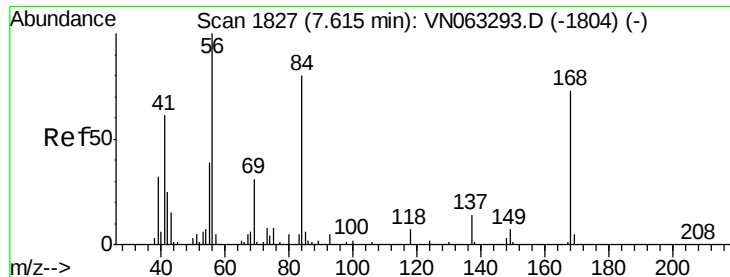
85 67.9 51.2 76.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 18.732 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN063299.D

Acq: 10 Sep 2020 17:23

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBSD01

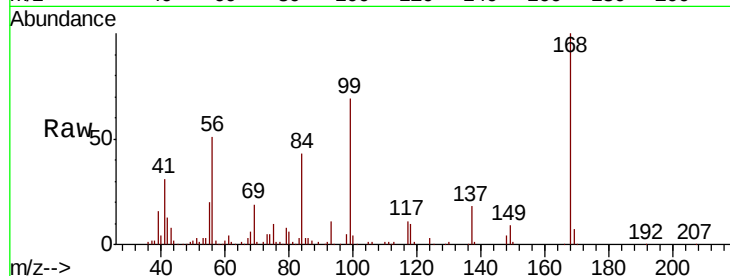
Tot Ion: 56 Resp: 195299

Ion Ratio Lower Upper

56 100

69 37.5 25.1 37.7

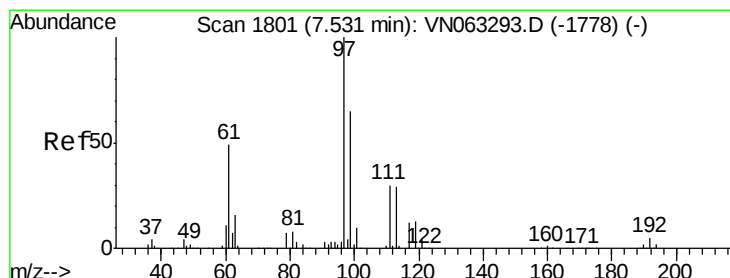
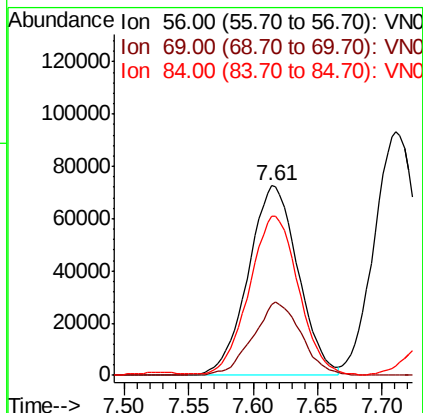
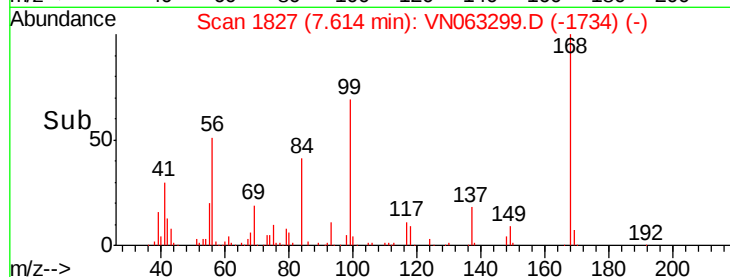
84 83.1 64.2 96.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 18.235 ug/l

RT: 7.53 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN063299.D

Acq: 10 Sep 2020 17:23

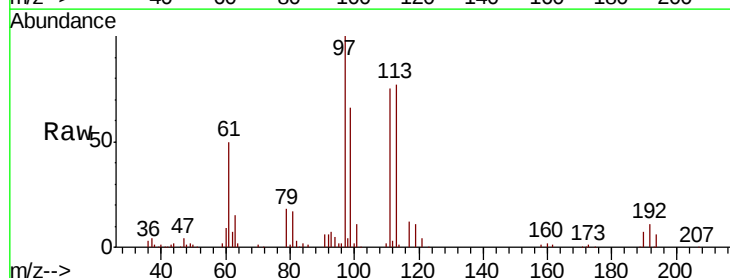
Tgt Ion: 97 Resp: 180530

Ion Ratio Lower Upper

97 100

99 64.2 51.4 77.2

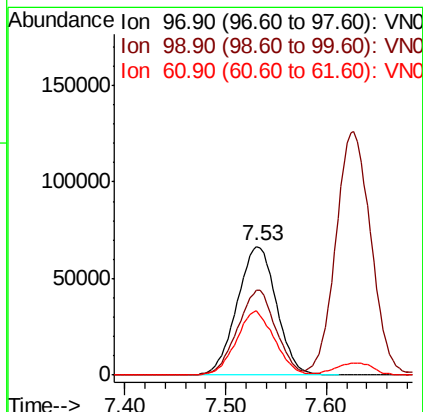
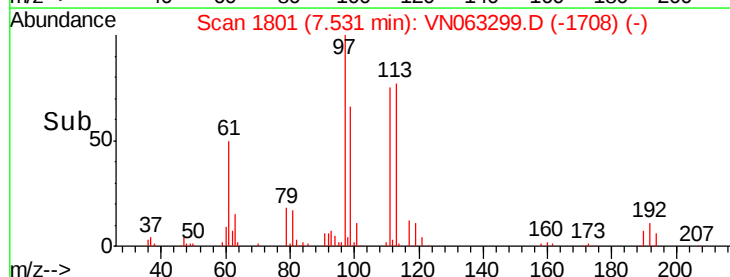
61 48.4 38.9 58.3

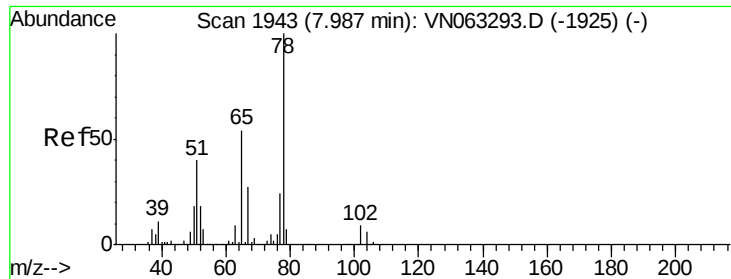


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 45.437 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN063299.D

Acq: 10 Sep 2020 17:23

Instrument :

MSVOA_N

ClientSampleId :

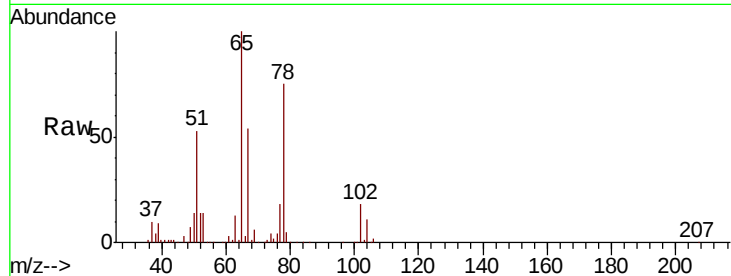
VN0910MBSD01

Tot Ion: 65 Resp: 337759

Ion Ratio Lower Upper

65 100

67 52.6 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

7.99

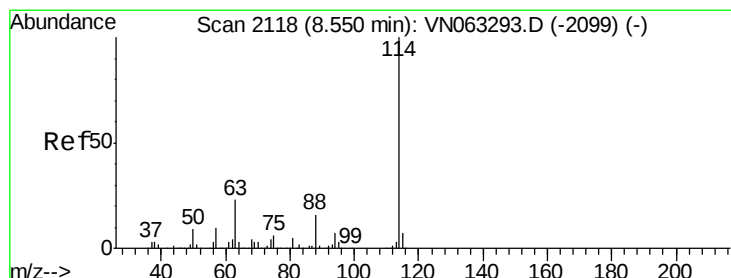
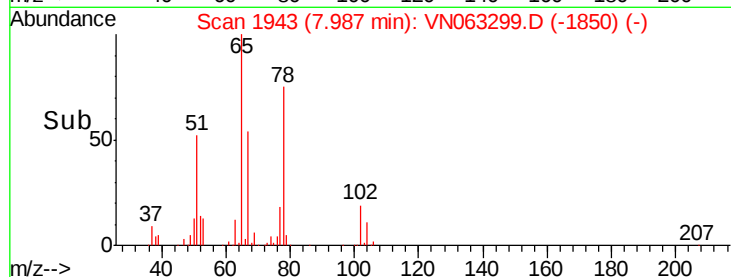
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN063299.D

Acq: 10 Sep 2020 17:23

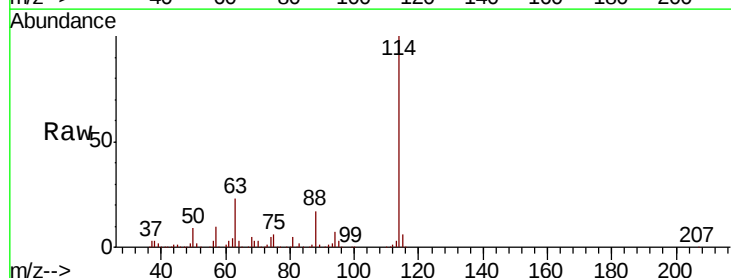
Tgt Ion: 114 Resp: 846394

Ion Ratio Lower Upper

114 100

63 22.6 0.0 46.0

88 16.9 0.0 32.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.55

500000

400000

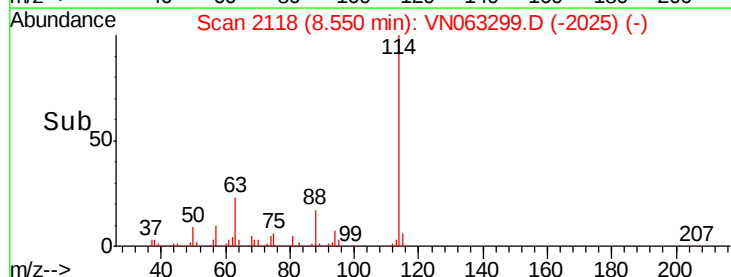
300000

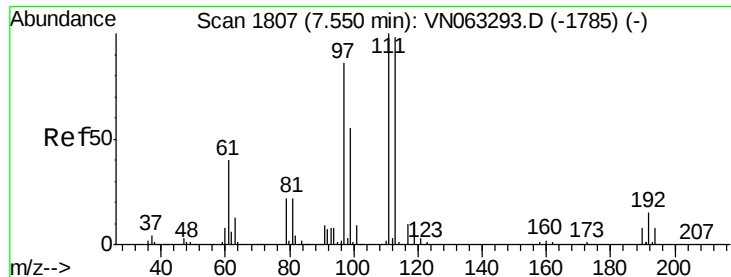
200000

100000

0

Time-->

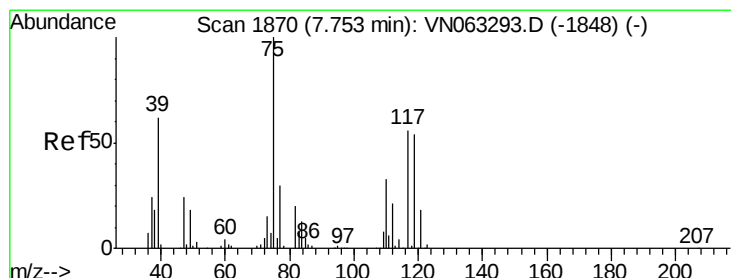
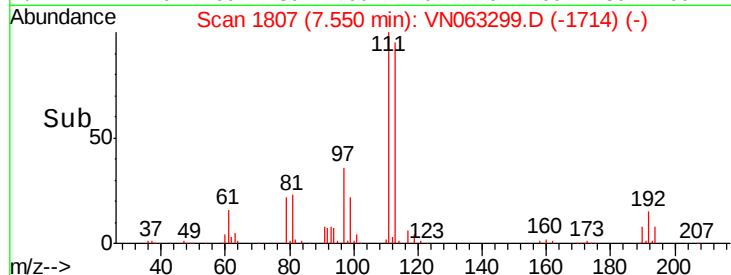
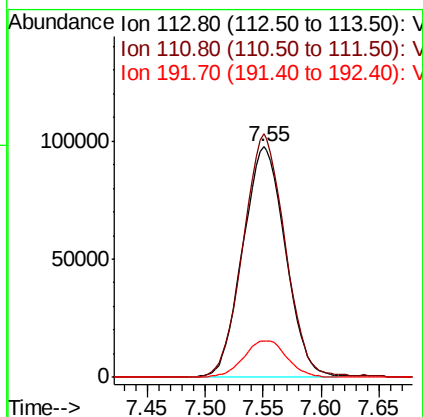
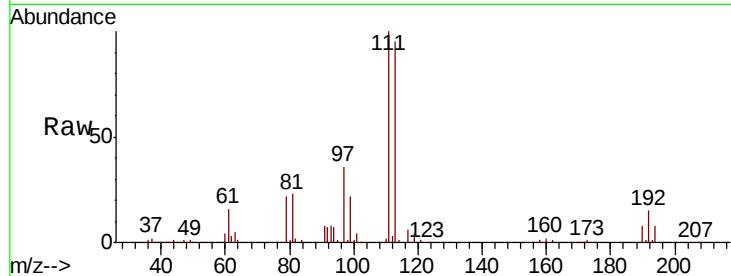




#35
 Dibromofluoromethane
 Concen: 45.763 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: VN063299.D
 Acq: 10 Sep 2020 17:23

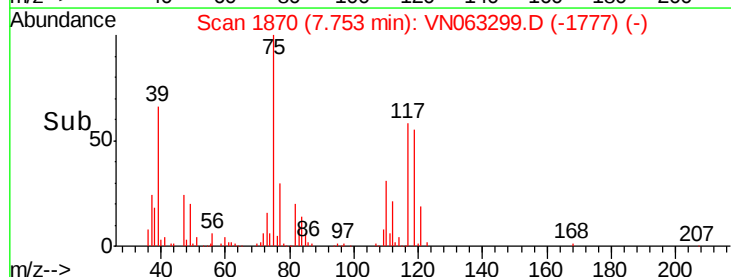
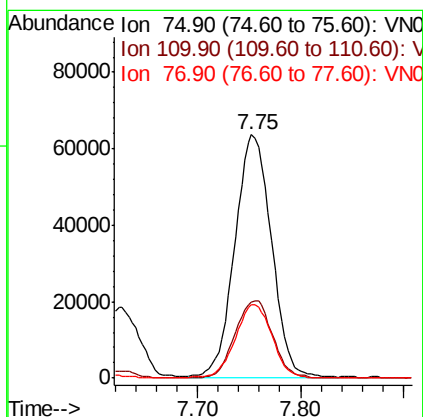
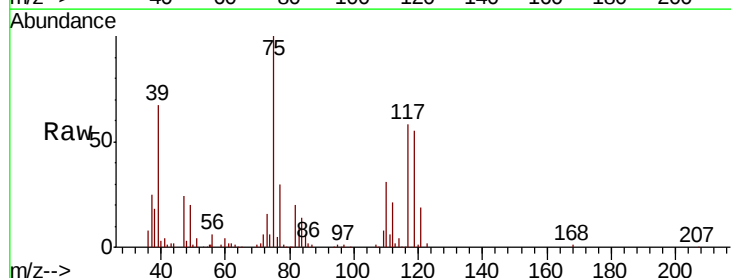
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBSD01

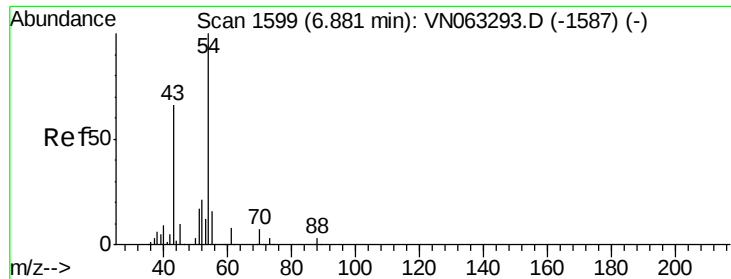
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.2	123.2
192	16.2	12.9	19.3



#36
 1,1-Dichloropropene
 Concen: 18.043 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN063299.D
 Acq: 10 Sep 2020 17:23

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.6	16.4	49.4
77	30.6	24.8	37.2

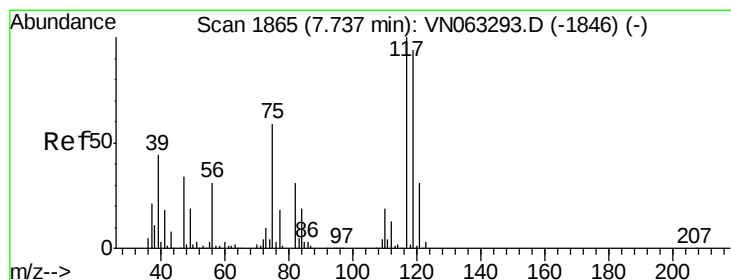
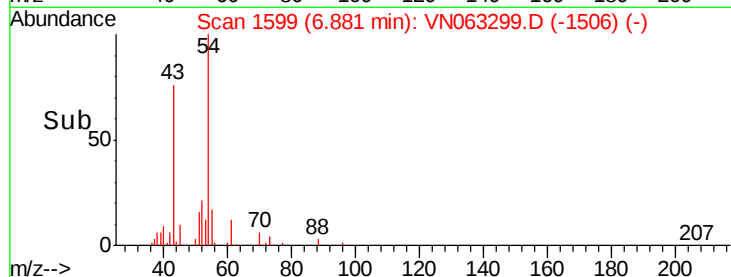
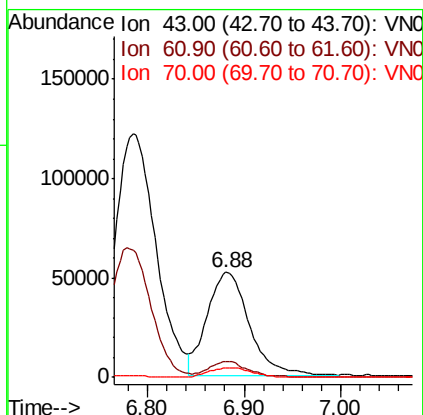
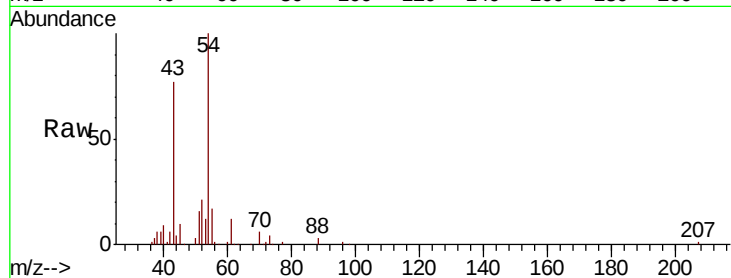




#37
Ethyl Acetate
Concen: 18.443 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN063299.D
Acq: 10 Sep 2020 17:23

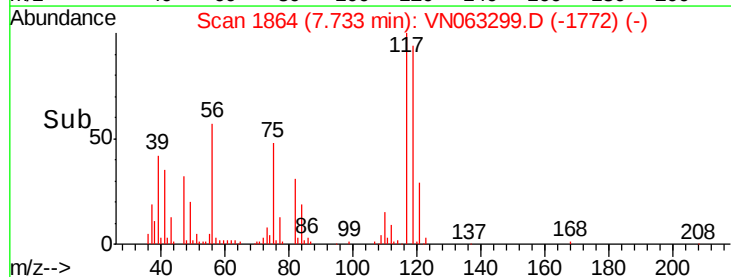
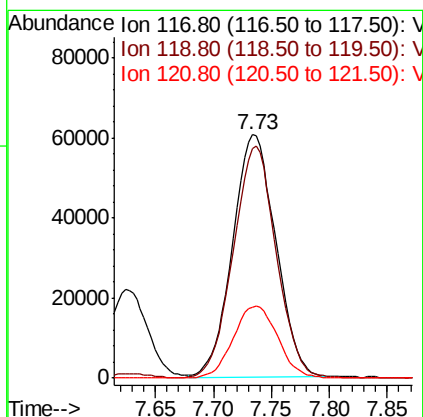
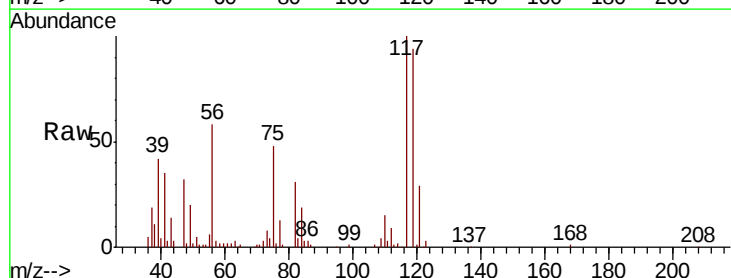
Instrument :
MSVOA_N
ClientSampleId :
VN0910MBSD01

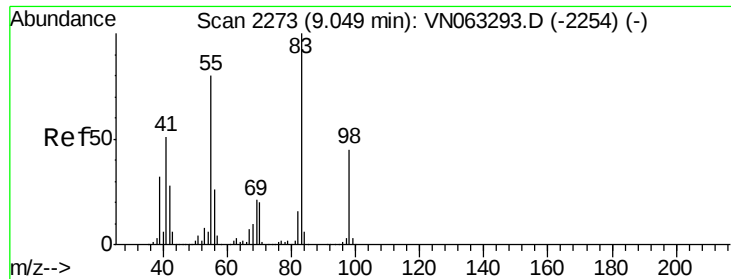
Tot Ion: 43 Resp: 157858
Ion Ratio Lower Upper
43 100
61 13.2 10.1 15.1
70 8.9 7.4 11.2



#38
Carbon Tetrachloride
Concen: 18.360 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN063299.D
Acq: 10 Sep 2020 17:23

Tgt Ion: 117 Resp: 157204
Ion Ratio Lower Upper
117 100
119 94.3 75.3 112.9
121 29.4 24.6 37.0

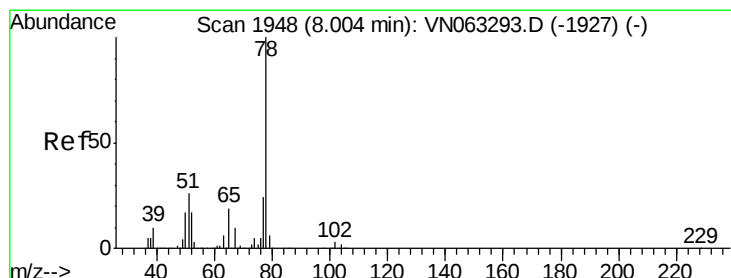
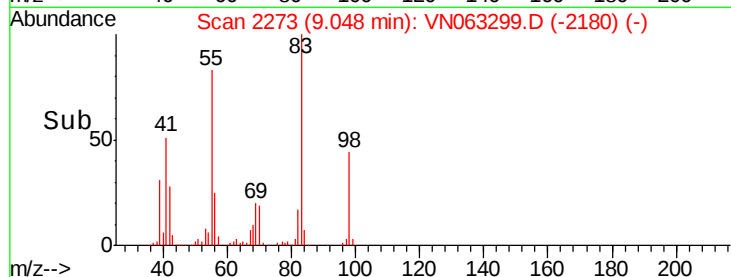
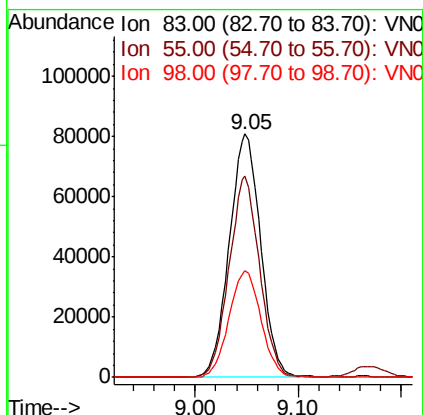
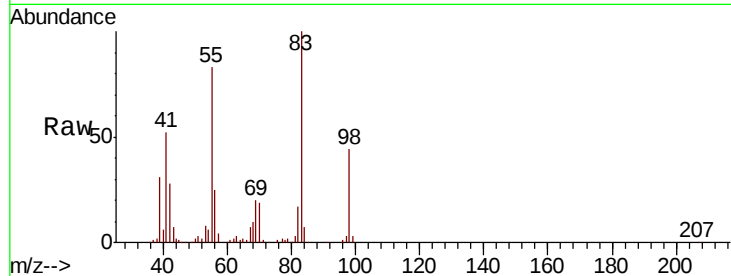




#39
Methvlcvclohexane
Concen: 18.054 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN063299.D
Acq: 10 Sep 2020 17:23

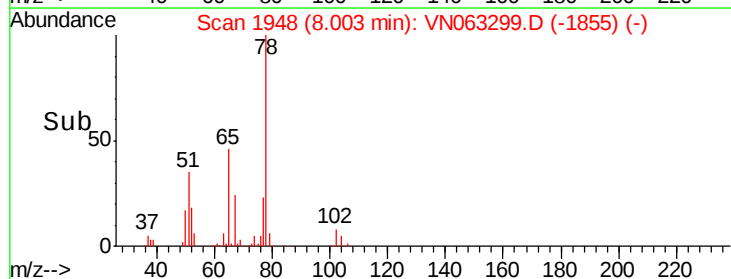
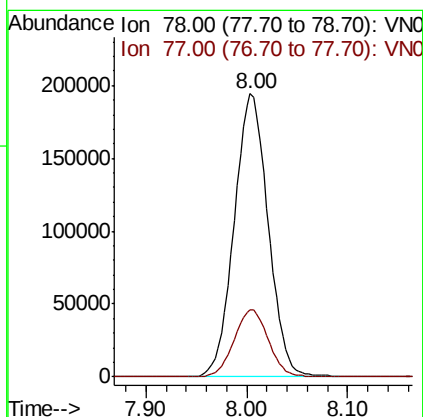
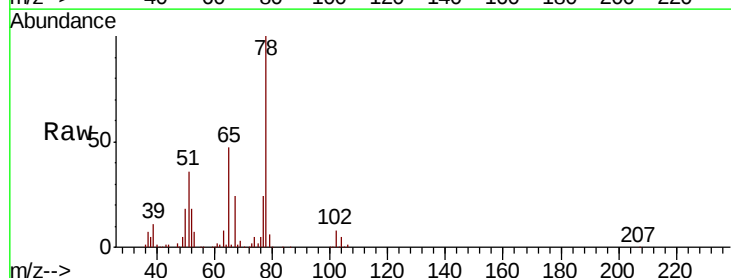
Instrument :
MSVOA_N
ClientSampleId :
VN0910MBSD01

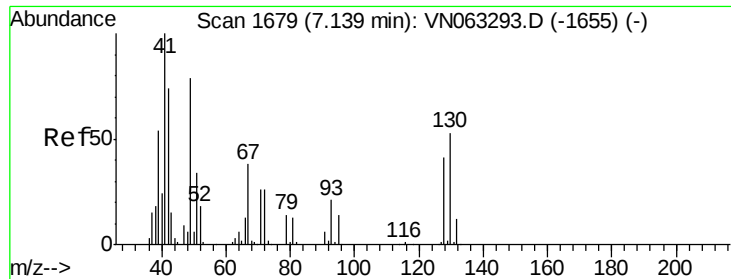
Tot Ion: 83 Resp: 171349
Ion Ratio Lower Upper
83 100
55 82.8 64.0 96.0
98 43.7 36.4 54.6



#40
Benzene
Concen: 18.282 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN063299.D
Acq: 10 Sep 2020 17:23

Tgt Ion: 78 Resp: 454282
Ion Ratio Lower Upper
78 100
77 23.6 18.8 28.2

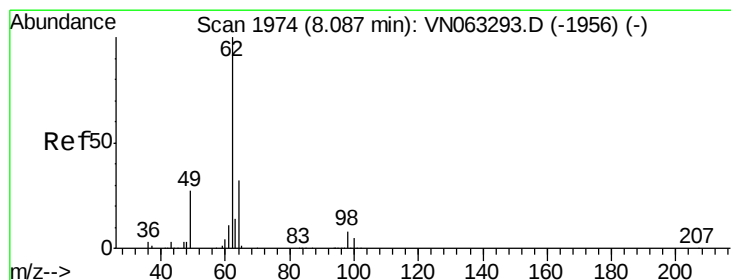
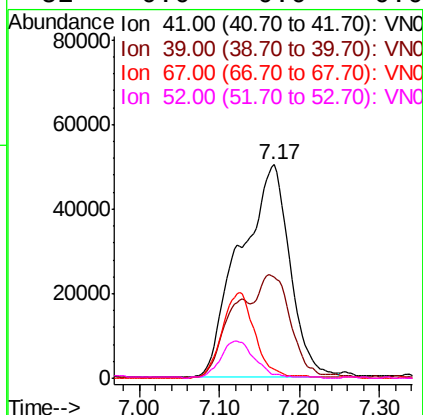
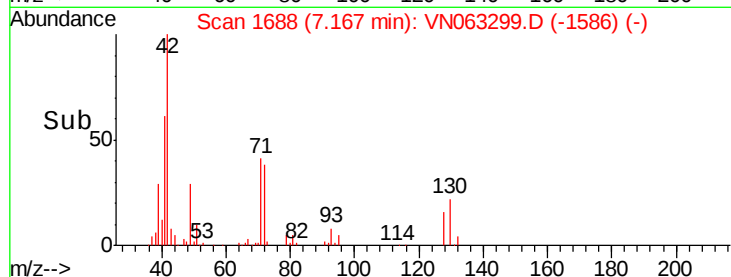
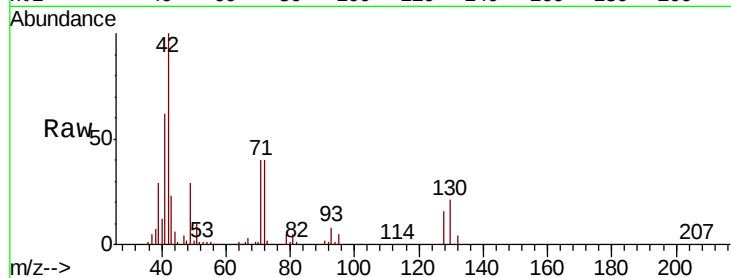




#41
Methacrylonitrile
Concen: 55.654 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. 0.03 min
Lab File: VN063299.D
Acq: 10 Sep 2020 17:23

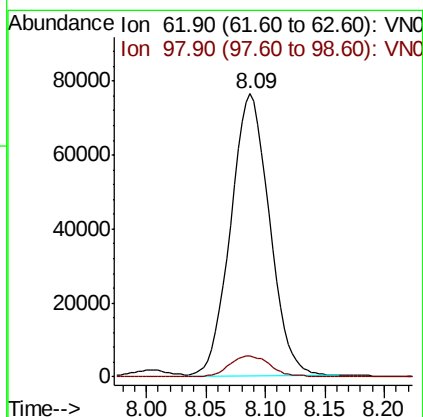
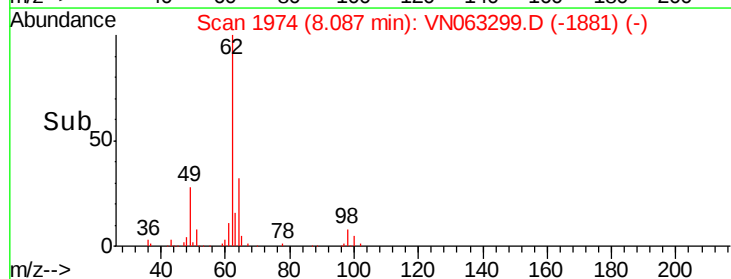
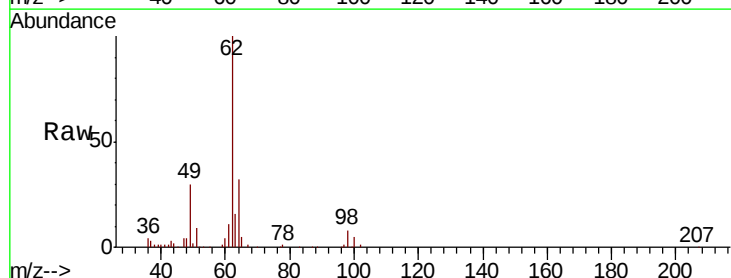
Instrument :
MSVOA_N
ClientSampleId :
VN0910MBSD01

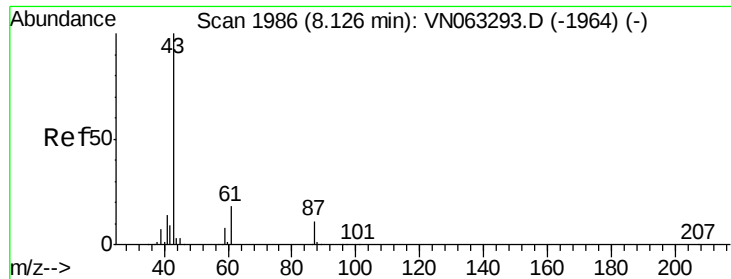
Tot Ion:	41	Resp:	215466
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 18.276 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VN063299.D
Acq: 10 Sep 2020 17:23

Tgt Ion:	62	Resp:	172298
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	15.4





#43

Isopropyl Acetate

Concen: 18.475 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN063299.D

Acq: 10 Sep 2020 17:23

Instrument :

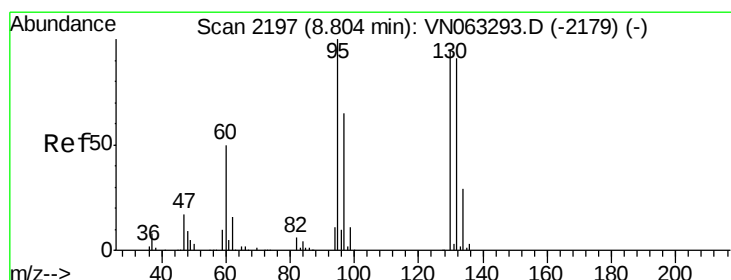
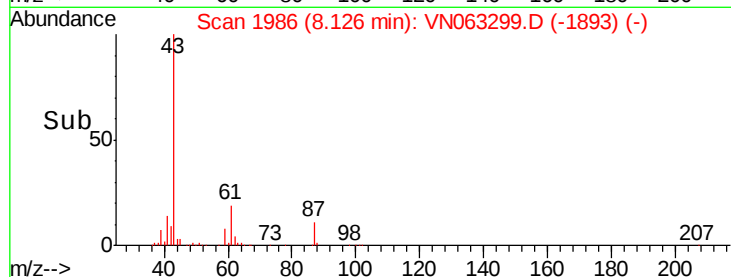
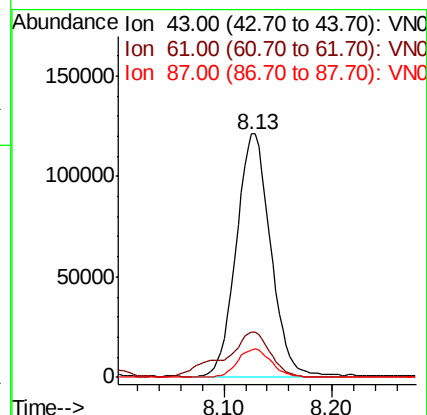
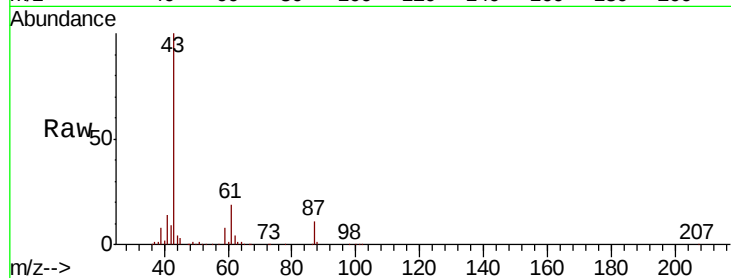
MSVOA_N

ClientSampleId :

VN0910MBSD01

Tot Ion: 43 Resp: 267791

Ion	Ratio	Lower	Upper
43	100		
61	24.2	15.1	22.7#
87	11.6	9.2	13.8



#44

Trichloroethene

Concen: 18.201 ug/l

RT: 8.80 min Scan# 2197

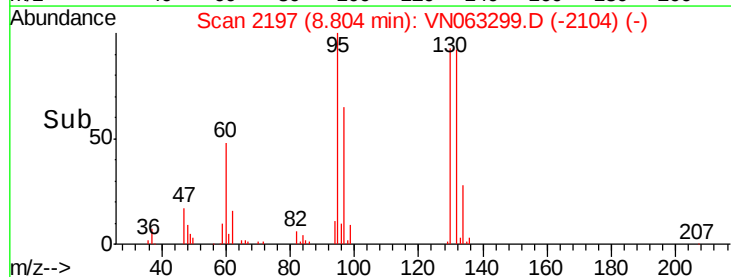
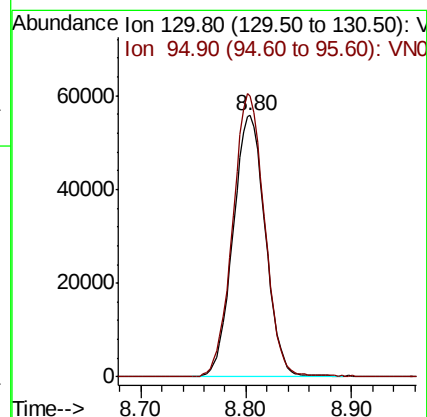
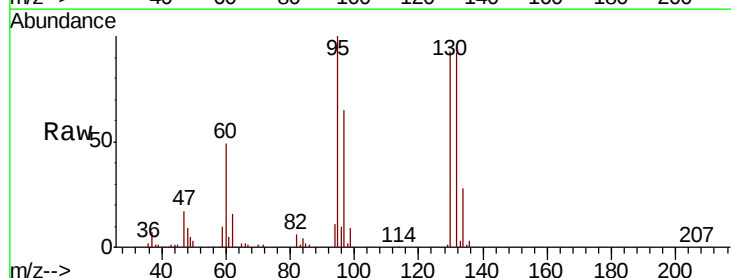
Delta R.T. -0.00 min

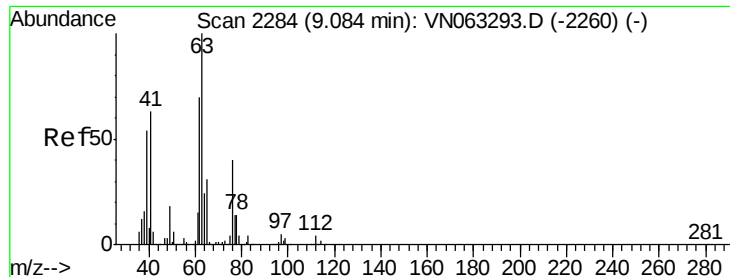
Lab File: VN063299.D

Acq: 10 Sep 2020 17:23

Tgt Ion: 130 Resp: 118274

Ion	Ratio	Lower	Upper
130	100		
95	107.7	0.0	210.8

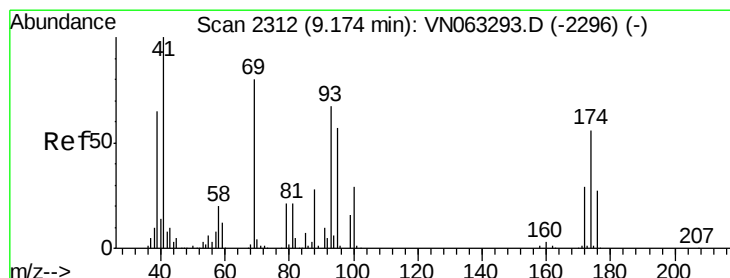
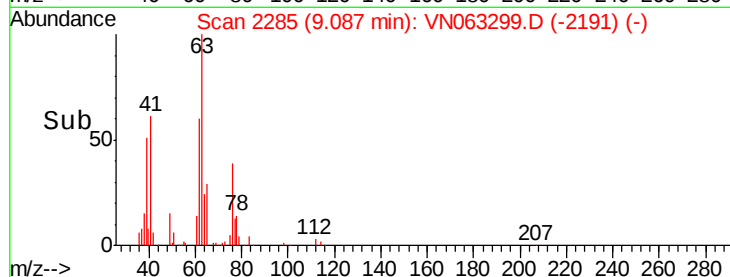
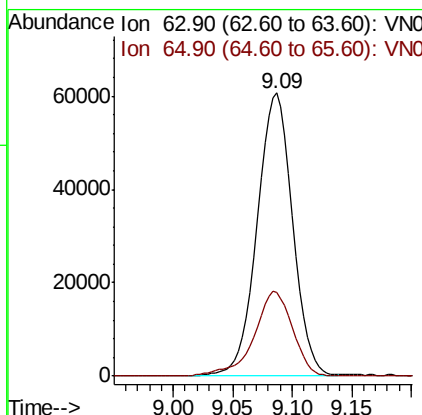
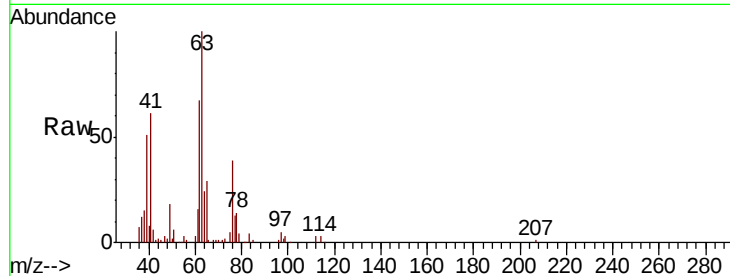




#45
 1,2-Dichloropropane
 Concen: 18.376 ug/l
 RT: 9.09 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN063299.D
 Acq: 10 Sep 2020 17:23

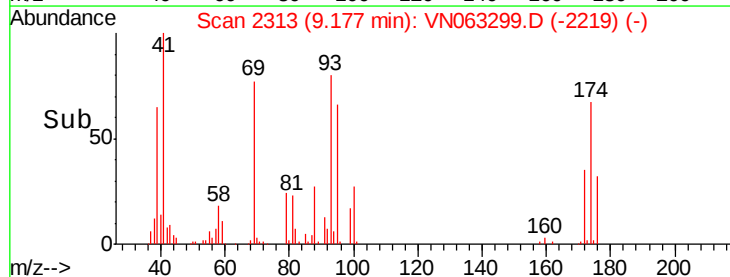
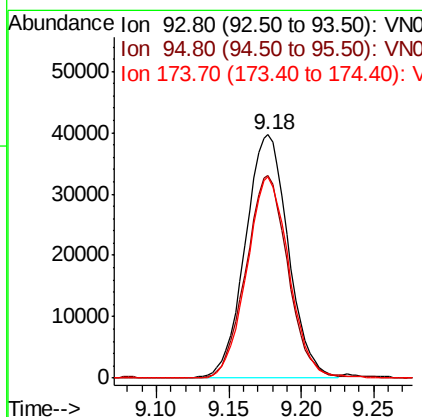
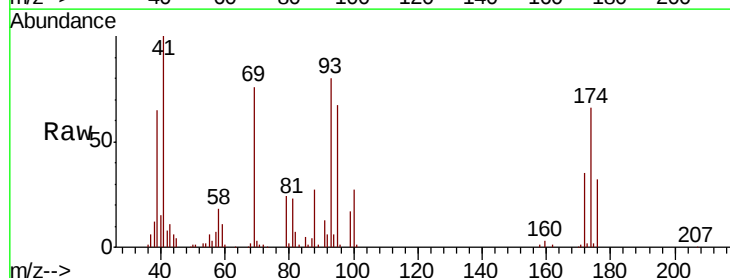
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBSD01

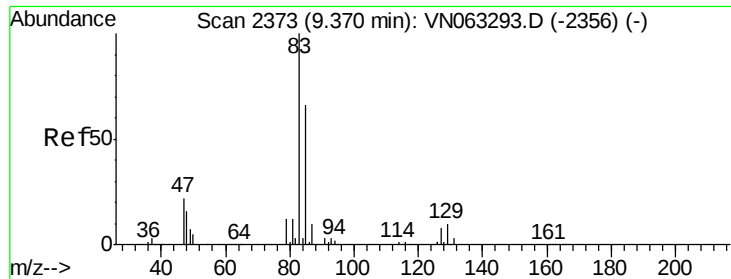
Tot Ion: 63 Resp: 125249
 Ion Ratio Lower Upper
 63 100
 65 29.4 24.6 36.8



#46
 Dibromomethane
 Concen: 18.530 ug/l
 RT: 9.18 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN063299.D
 Acq: 10 Sep 2020 17:23

Tgt Ion: 93 Resp: 81901
 Ion Ratio Lower Upper
 93 100
 95 81.5 67.9 101.9
 174 81.0 66.9 100.3

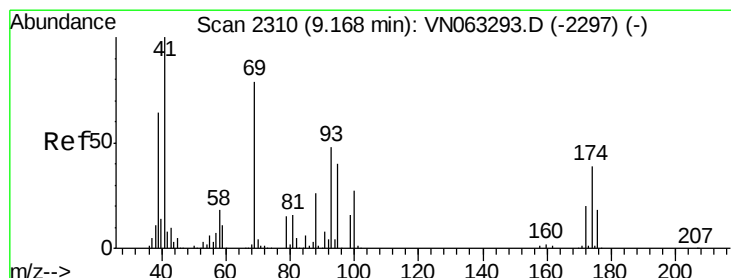
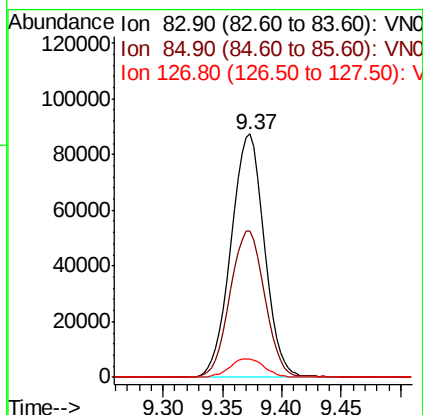
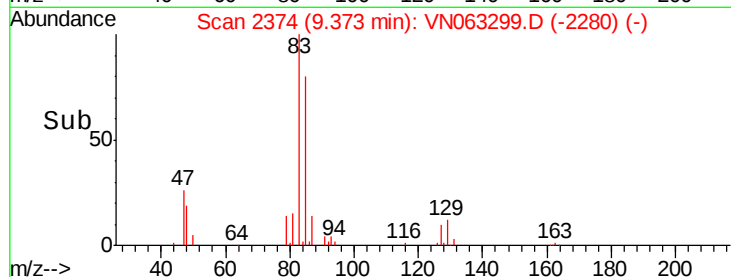
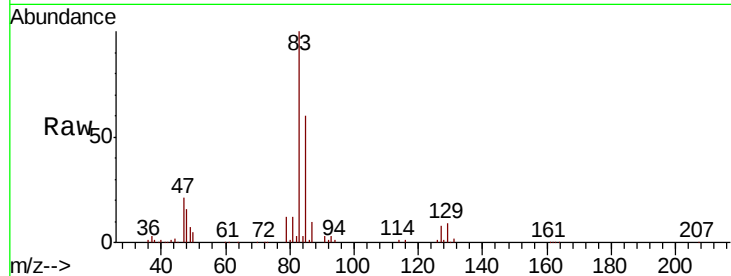




#47
Bromodichloromethane
Concen: 18.480 ug/l
RT: 9.37 min Scan# 2374
Delta R.T. 0.00 min
Lab File: VN063299.D
Acq: 10 Sep 2020 17:23

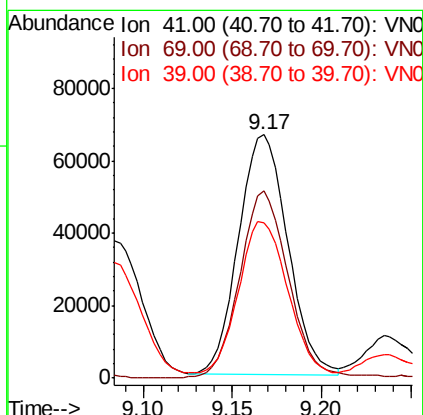
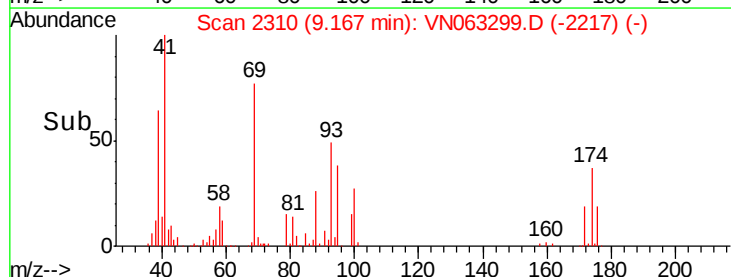
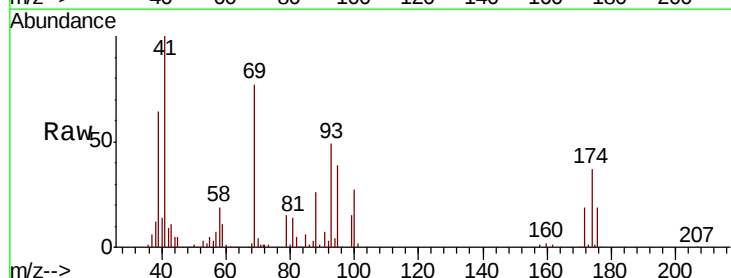
Instrument :
MSVOA_N
ClientSampleId :
VN0910MBSD01

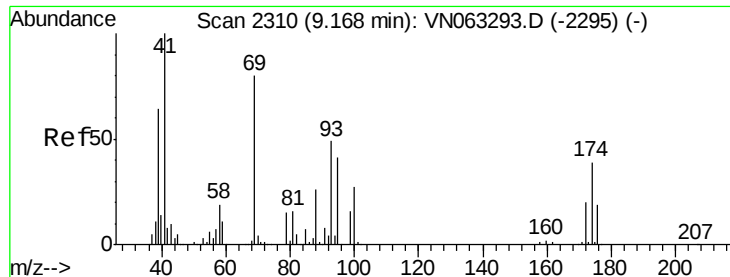
Tot Ion: 83 Resp: 170211
Ion Ratio Lower Upper
83 100
85 60.2 52.5 78.7
127 7.6 6.6 10.0



#48
Methyl methacrylate
Concen: 18.447 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN063299.D
Acq: 10 Sep 2020 17:23

Tgt Ion: 41 Resp: 127585
Ion Ratio Lower Upper
41 100
69 77.8 63.6 95.4
39 62.7 53.2 79.8

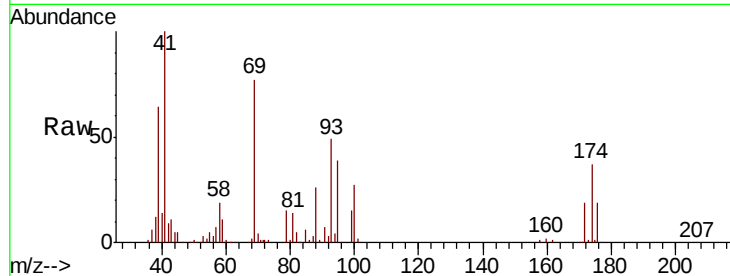




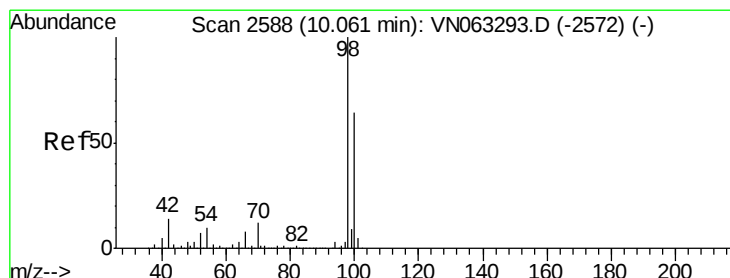
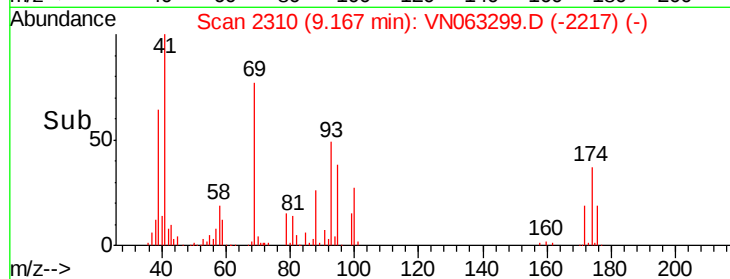
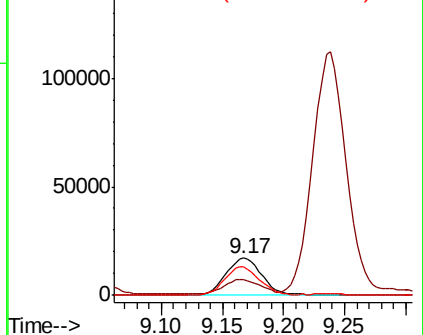
#49
1,4-Dioxane
Concen: 335.813 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN063299.D
Acq: 10 Sep 2020 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN0910MBSD01

Tot Ion: 88 Resp: 35960
Ion Ratio Lower Upper
88 100
43 39.3 30.5 45.7
58 73.4 58.9 88.3

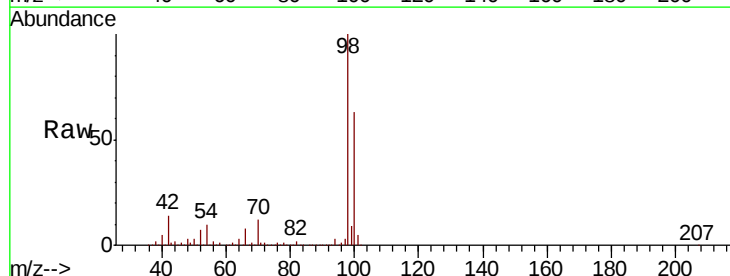


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

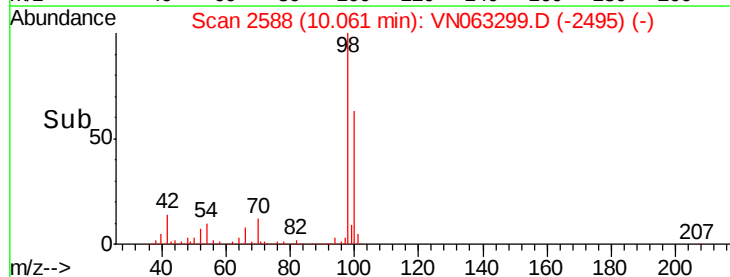
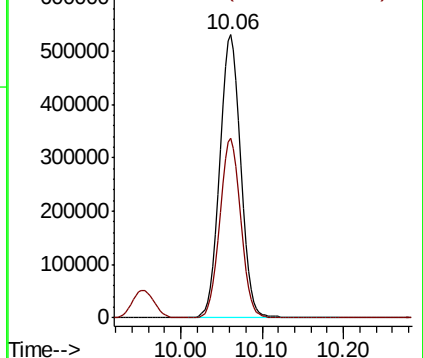


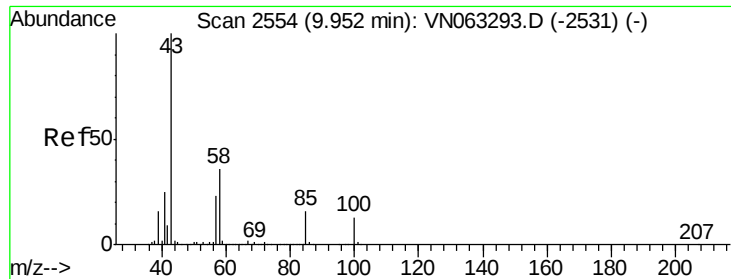
#50
Toluene-d8
Concen: 46.327 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. -0.00 min
Lab File: VN063299.D
Acq: 10 Sep 2020 17:23

Tgt Ion: 98 Resp: 969412
Ion Ratio Lower Upper
98 100
100 63.4 50.7 76.1



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





#51

4-Methyl-2-Pentanone

Concen: 97.871 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN063299.D

Acq: 10 Sep 2020 17:23

Instrument :

MSVOA_N

ClientSampleId :

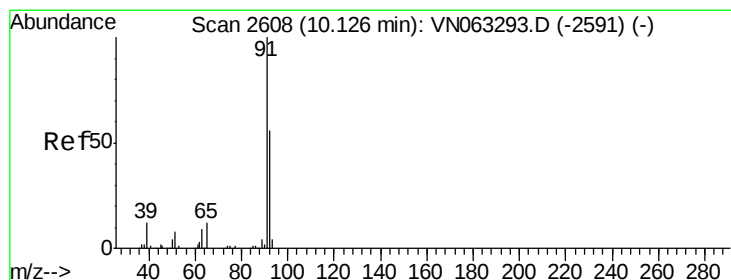
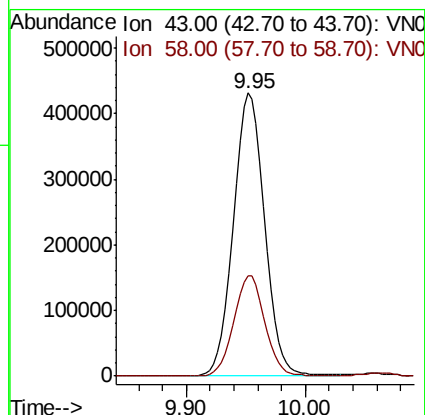
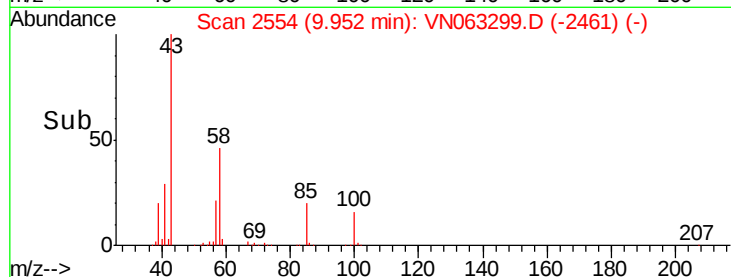
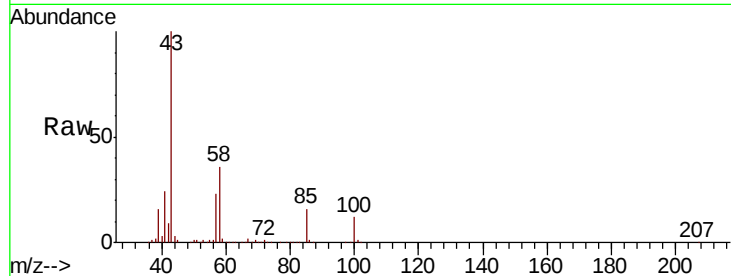
VN0910MBSD01

Tot Ion: 43 Resp: 781801

Ion Ratio Lower Upper

43 100

58 35.5 29.0 43.4



#52

Toluene

Concen: 18.638 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. -0.00 min

Lab File: VN063299.D

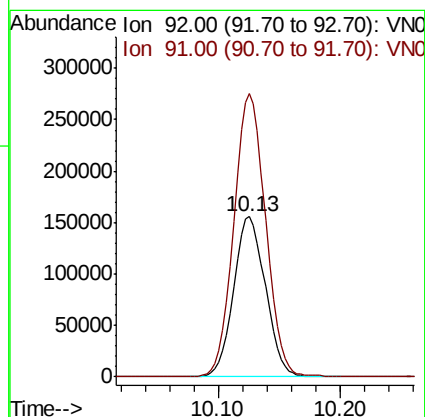
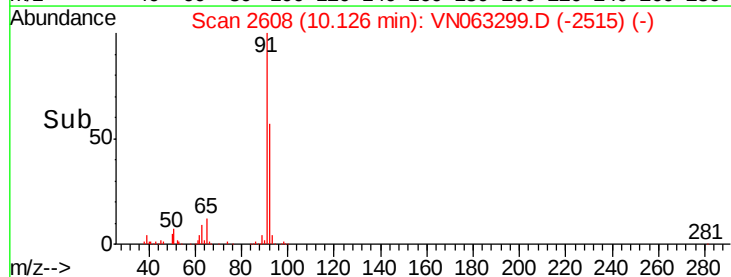
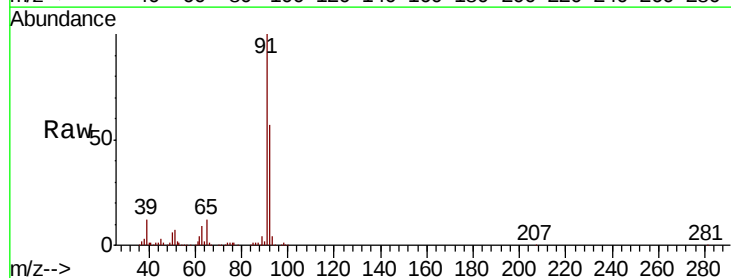
Acq: 10 Sep 2020 17:23

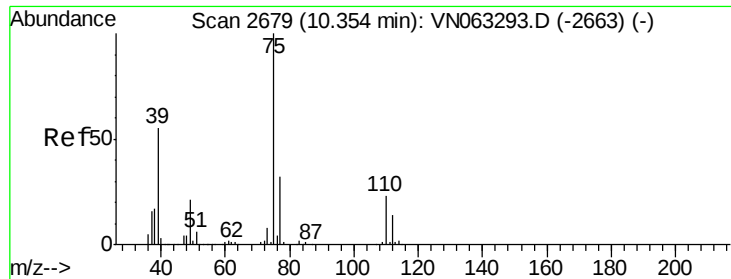
Tgt Ion: 92 Resp: 282761

Ion Ratio Lower Upper

92 100

91 175.8 141.2 211.8





#53

t-1,3-Dichloropropene

Concen: 18.229 ug/l

RT: 10.35 min Scan# 2679

Delta R.T. -0.00 min

Lab File: VN063299.D

Acq: 10 Sep 2020 17:23

Instrument :

MSVOA_N

ClientSampleId :

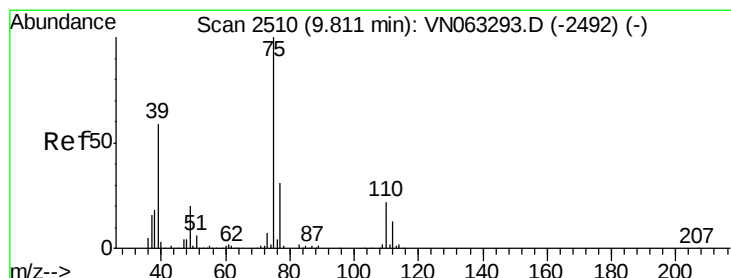
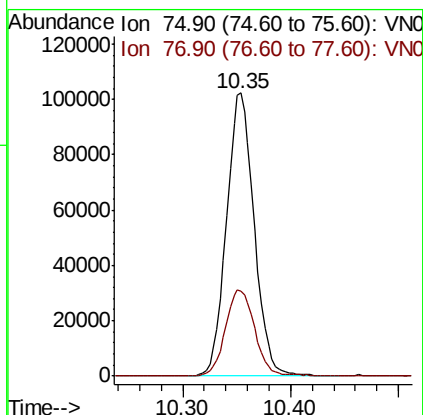
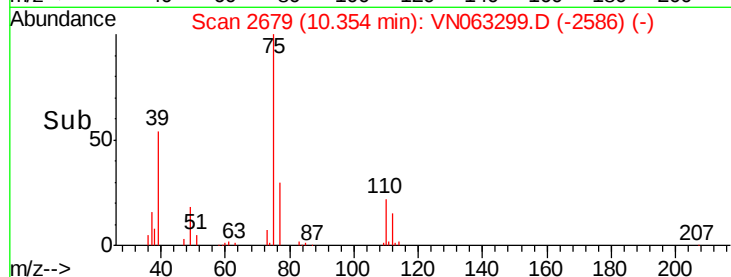
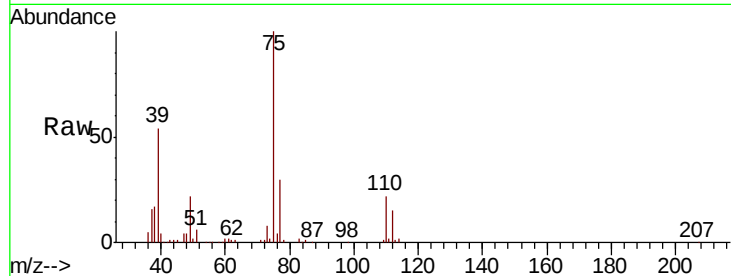
VN0910MBSD01

Tot Ion: 75 Resp: 183093

Ion Ratio Lower Upper

75 100

77 30.2 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 18.195 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN063299.D

Acq: 10 Sep 2020 17:23

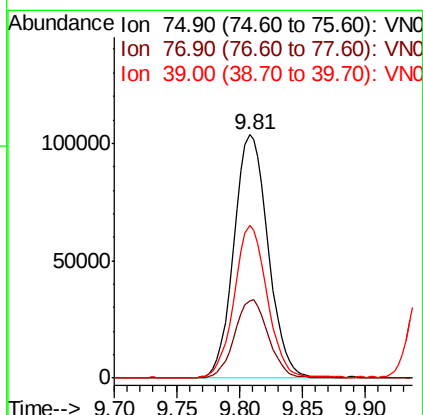
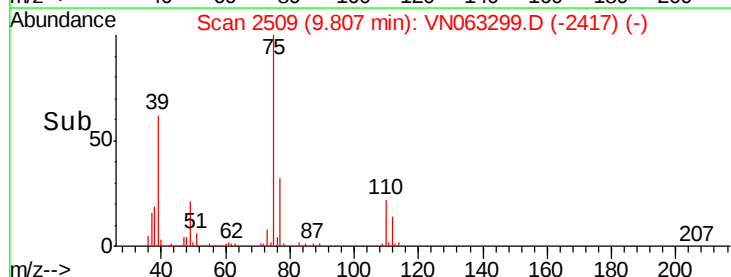
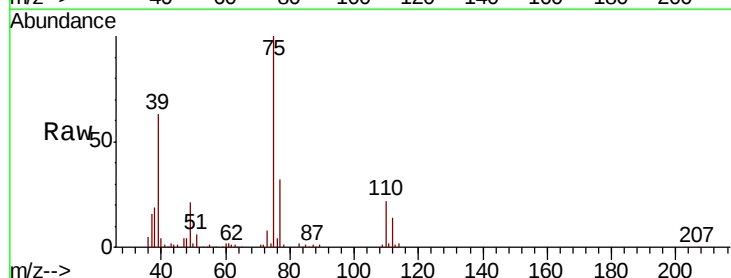
Tgt Ion: 75 Resp: 196765

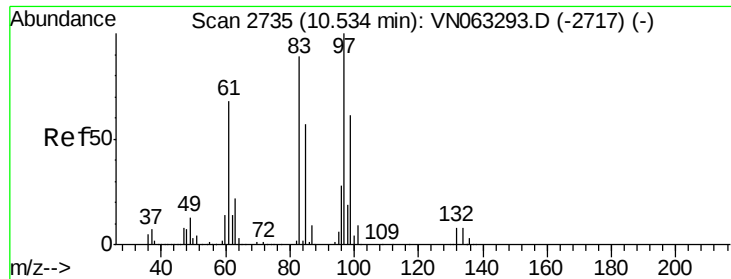
Ion Ratio Lower Upper

75 100

77 32.0 24.7 37.1

39 62.4 47.2 70.8

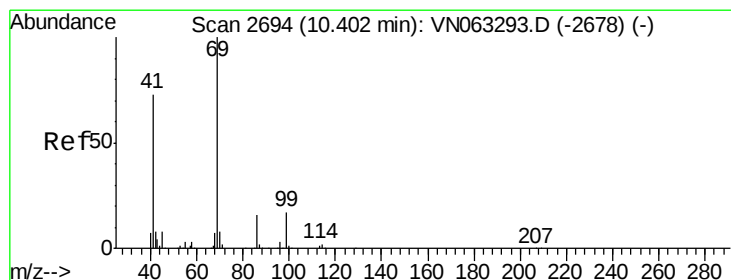
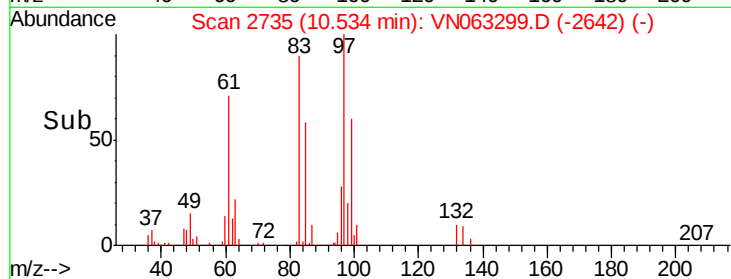
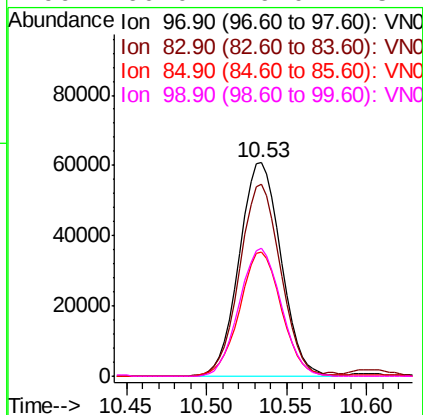
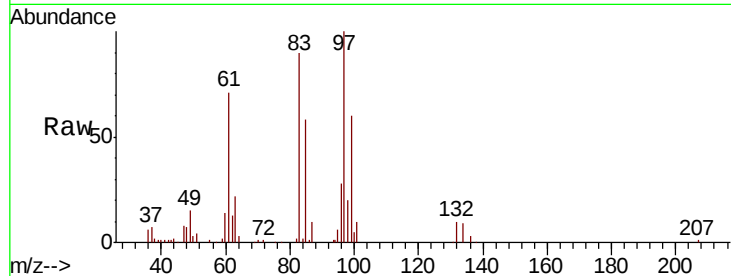




#55
 1,1,2-Trichloroethane
 Concen: 18.308 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. -0.00 min
 Lab File: VN063299.D
 Acq: 10 Sep 2020 17:23

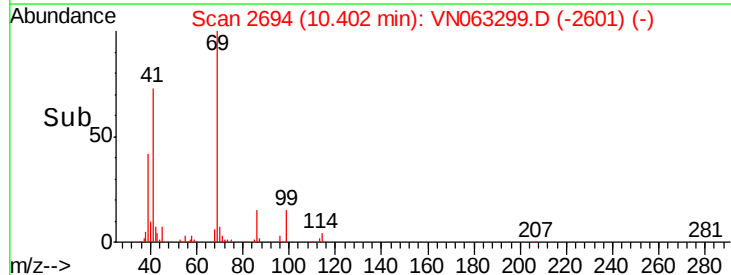
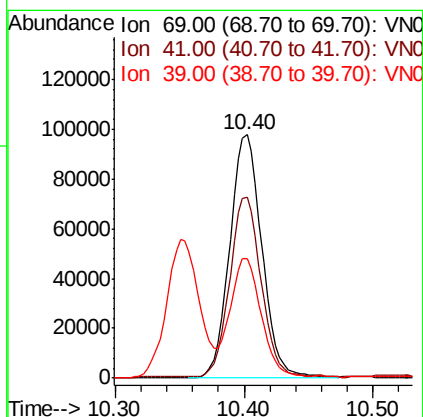
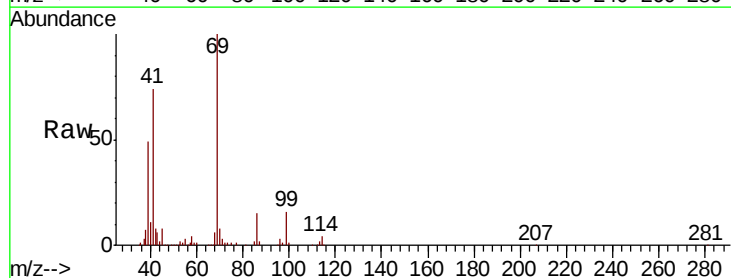
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBSD01

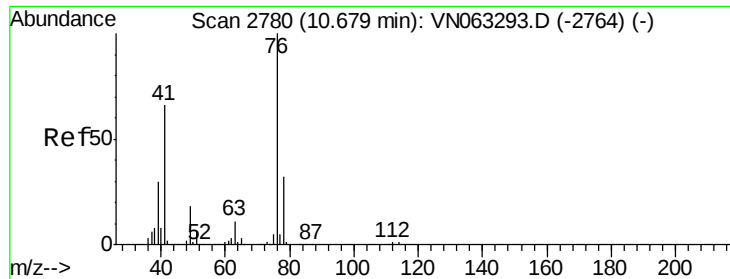
Tot Ion:	97	Resp:	108840
Ion	Ratio	Lower	Upper
97	100		
83	90.1	70.8	106.2
85	58.0	45.6	68.4
99	60.0	49.0	73.4



#56
 Ethyl methacrylate
 Concen: 18.757 ug/l
 RT: 10.40 min Scan# 2694
 Delta R.T. -0.00 min
 Lab File: VN063299.D
 Acq: 10 Sep 2020 17:23

Tgt Ion:	69	Resp:	169572
Ion	Ratio	Lower	Upper
69	100		
41	72.4	58.4	87.6
39	45.8	38.6	58.0





#57

1,3-Dichloropropane

Concen: 18.918 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. -0.00 min

Lab File: VN063299.D

Acq: 10 Sep 2020 17:23

Instrument :

MSVOA_N

ClientSampleId :

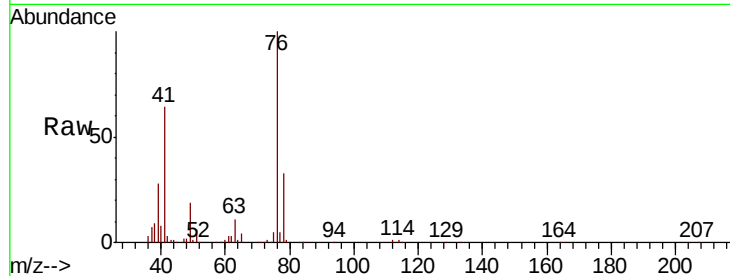
VN0910MBSD01

Tot Ion: 76 Resp: 196529

Ion Ratio Lower Upper

76 100

78 32.1 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN063299.D (-2764) (-)

Ion 77.90 (77.60 to 78.60): VN063299.D (-2764) (-)

10.68

120000

100000

80000

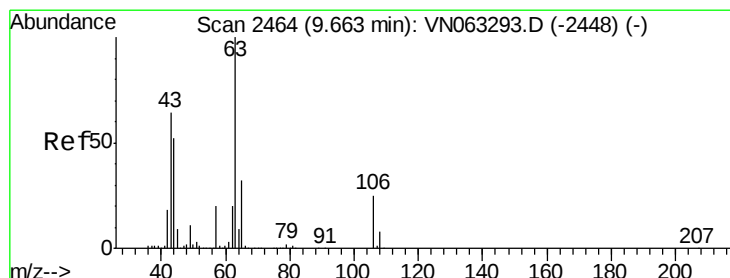
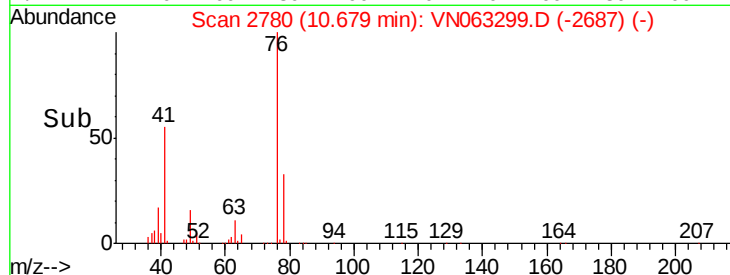
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 81.810 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN063299.D

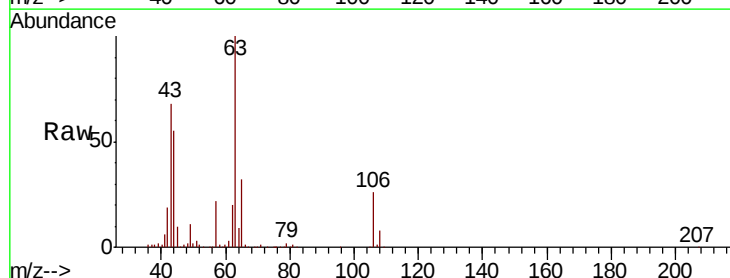
Acq: 10 Sep 2020 17:23

Tgt Ion: 63 Resp: 396716

Ion Ratio Lower Upper

63 100

106 25.4 20.2 30.4



Abundance Ion 62.90 (62.60 to 63.60): VN063299.D (-2448) (-)

Ion 105.90 (105.60 to 106.60): VN063299.D (-2448) (-)

9.66

250000

200000

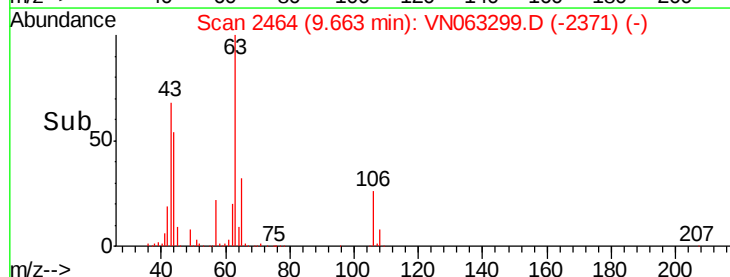
150000

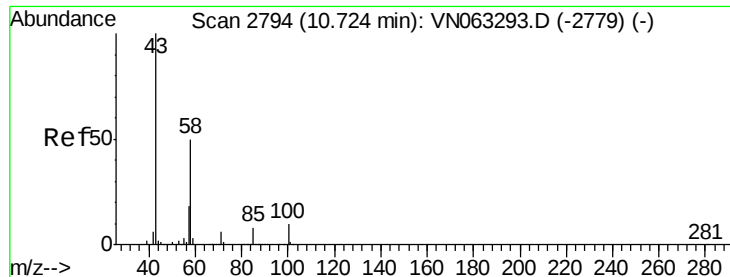
100000

50000

0

Time-->

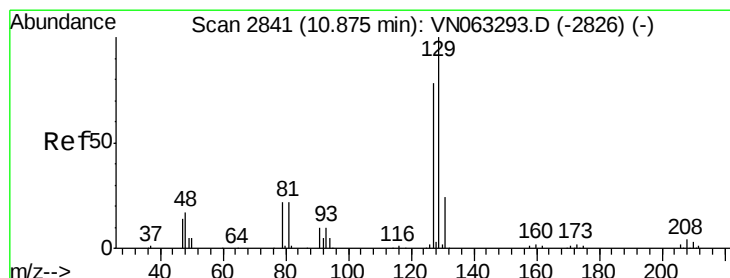
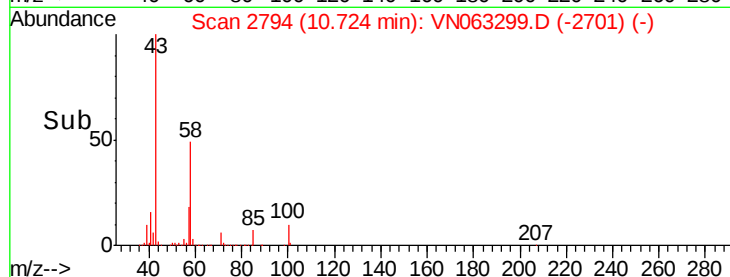
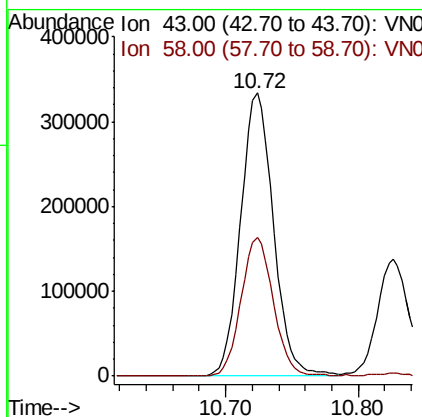
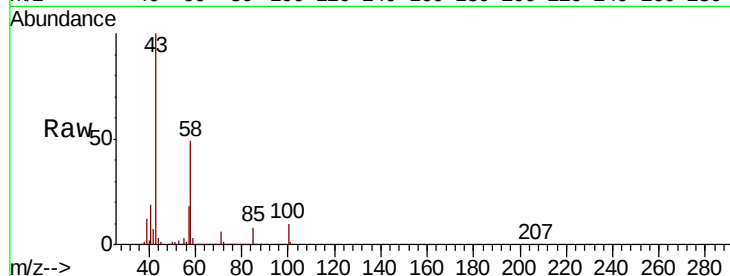




#59
2-Hexanone
Concen: 96.870 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. -0.00 min
Lab File: VN063299.D
Acq: 10 Sep 2020 17:23

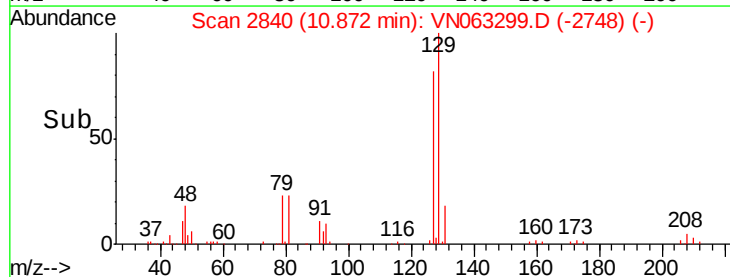
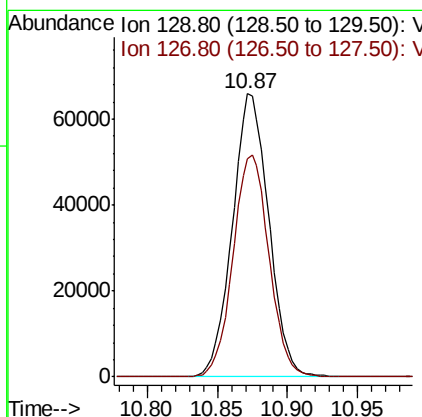
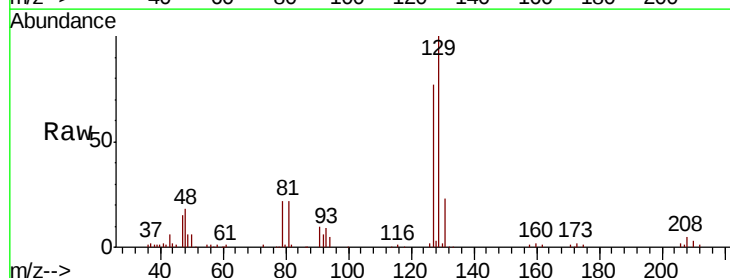
Instrument :
MSVOA_N
ClientSampleId :
VN0910MBSD01

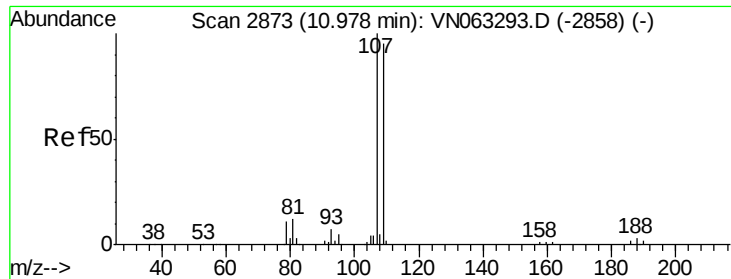
Tot Ion: 43 Resp: 570687
Ion Ratio Lower Upper
43 100
58 48.5 25.1 75.3



#60
Dibromochloromethane
Concen: 18.252 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN063299.D
Acq: 10 Sep 2020 17:23

Tgt Ion: 129 Resp: 119150
Ion Ratio Lower Upper
129 100
127 77.7 39.0 117.0





#61

1,2-Dibromoethane

Concen: 18.304 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. -0.00 min

Lab File: VN063299.D

Acq: 10 Sep 2020 17:23

Instrument :

MSVOA_N

ClientSampleId :

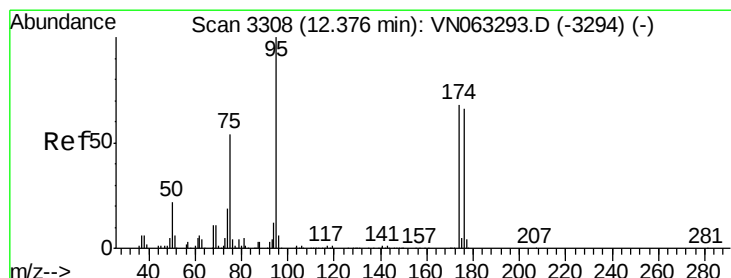
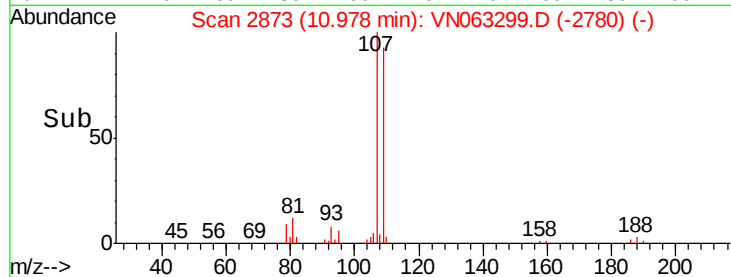
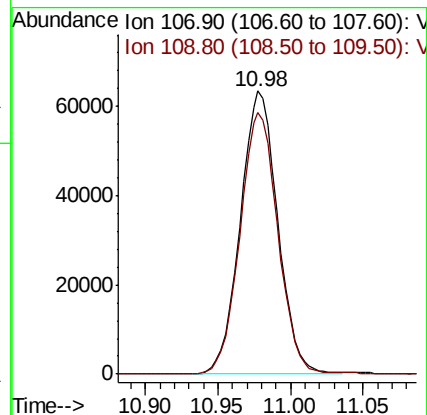
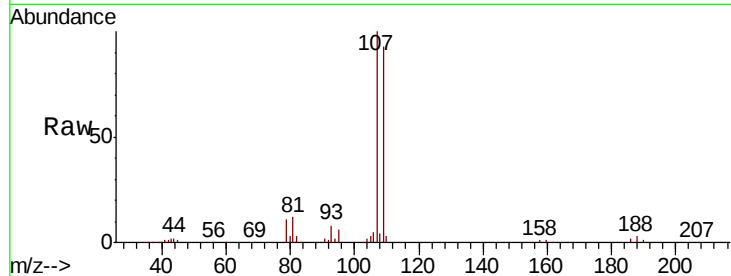
VN0910MBSD01

Tot Ion:107 Resp: 113441

Ion Ratio Lower Upper

107 100

109 93.7 75.5 113.3



#62

4-Bromofluorobenzene

Concen: 45.732 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063299.D

Acq: 10 Sep 2020 17:23

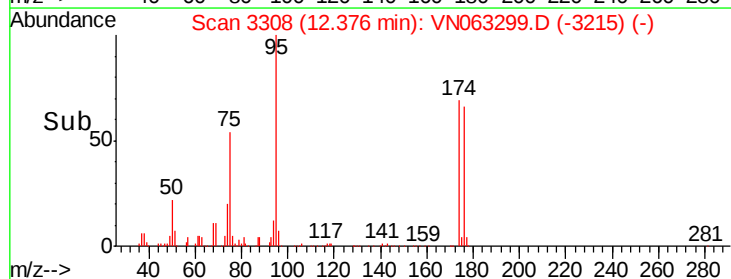
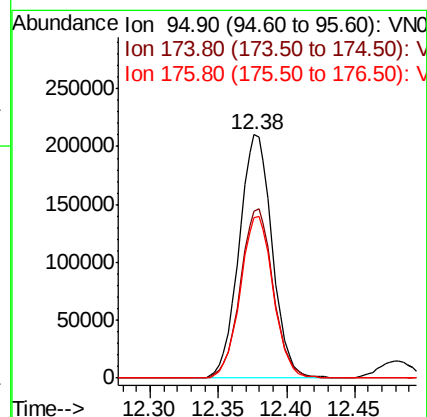
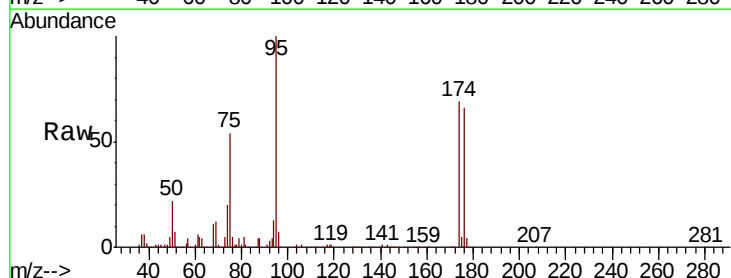
Tgt Ion: 95 Resp: 353454

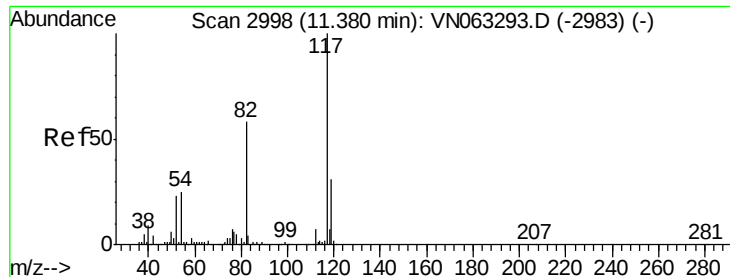
Ion Ratio Lower Upper

95 100

174 69.2 0.0 136.6

176 66.0 0.0 132.8

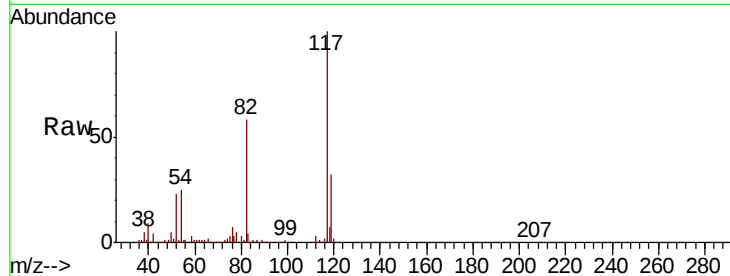




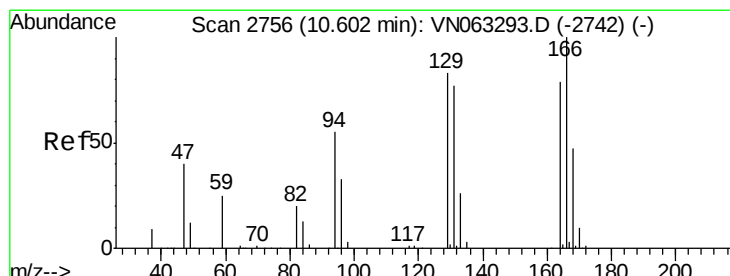
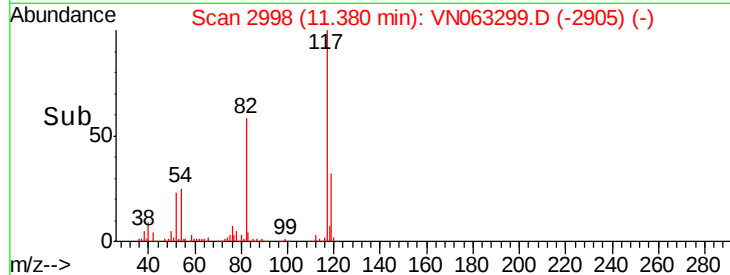
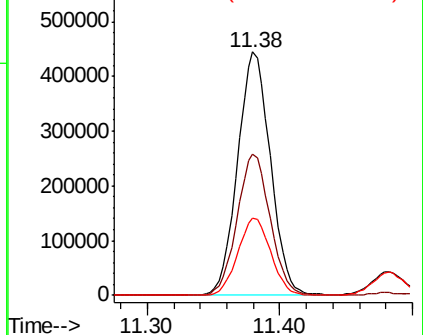
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063299.D
Acq: 10 Sep 2020 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN0910MBSD01

Tot Ion:117 Resp: 765412
Ion Ratio Lower Upper
117 100
82 58.2 46.4 69.6
119 31.7 24.8 37.2

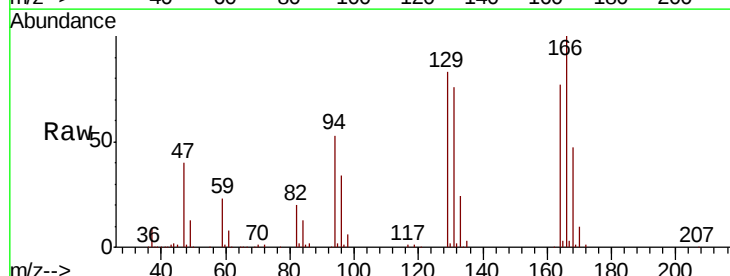


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

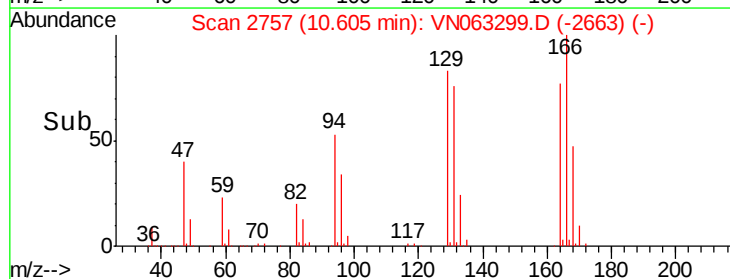
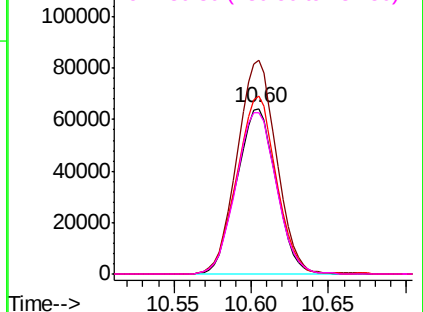


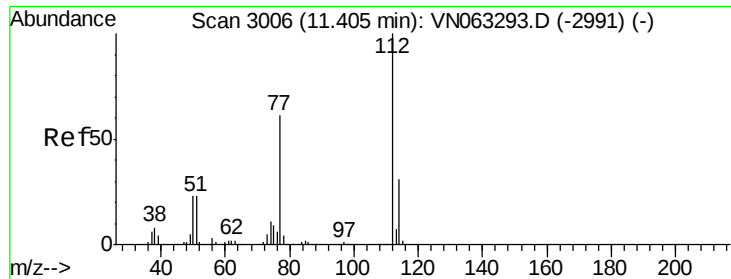
#64
Tetrachloroethene
Concen: 18.231 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VN063299.D
Acq: 10 Sep 2020 17:23

Tgt Ion:164 Resp: 114314
Ion Ratio Lower Upper
164 100
166 129.2 101.3 151.9
129 107.6 83.7 125.5
131 97.6 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

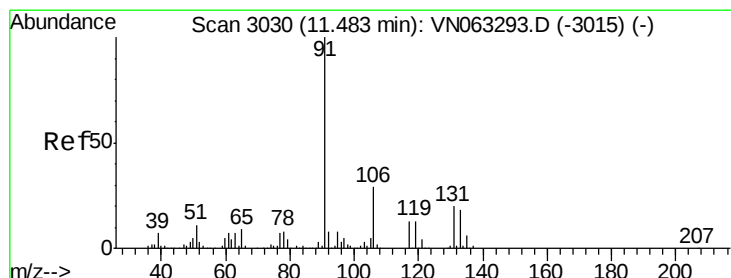
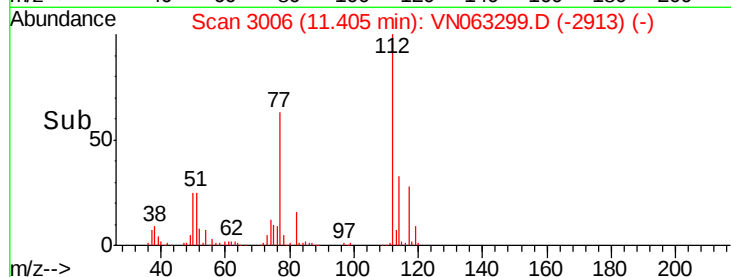
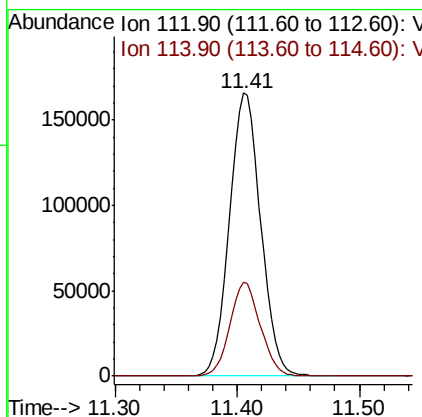
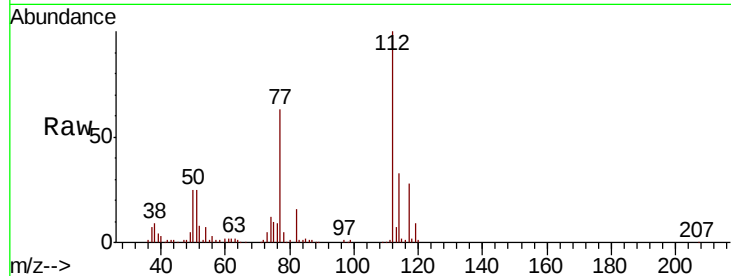




#65
Chlorobenzene
Concen: 17.987 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN063299.D
Acq: 10 Sep 2020 17:23

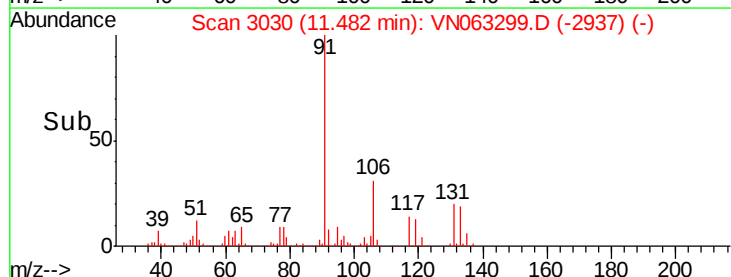
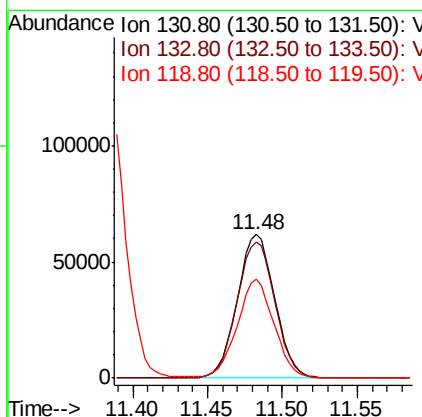
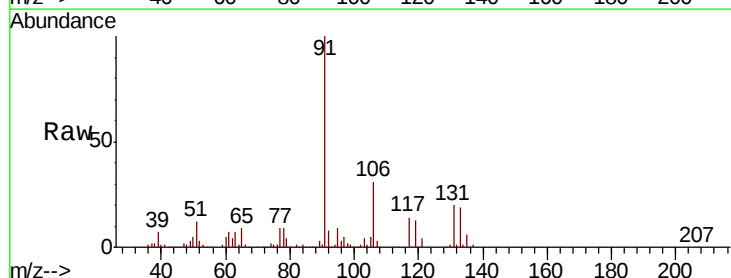
Instrument :
MSVOA_N
ClientSampleId :
VN0910MBSD01

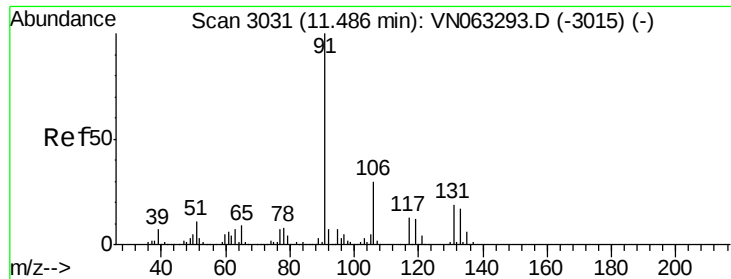
Tot Ion:112 Resp: 296399
Ion Ratio Lower Upper
112 100
114 33.4 24.6 36.8



#66
1,1,1,2-Tetrachloroethane
Concen: 17.932 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN063299.D
Acq: 10 Sep 2020 17:23

Tgt Ion:131 Resp: 107657
Ion Ratio Lower Upper
131 100
133 96.8 47.4 142.2
119 67.1 33.8 101.3

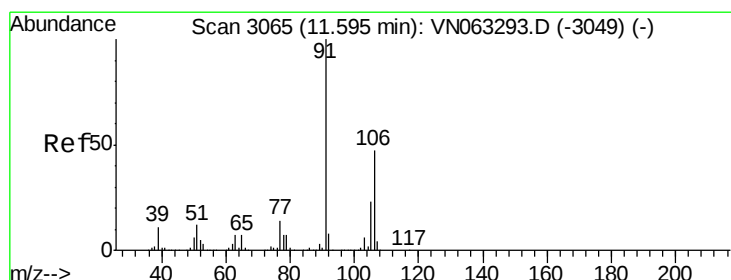
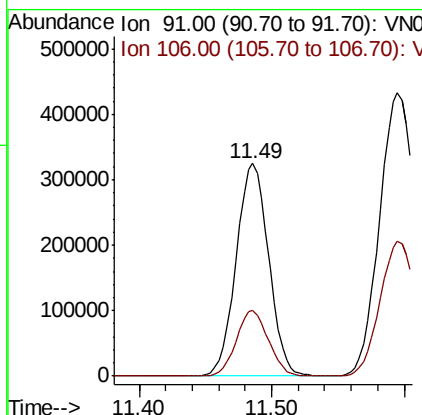
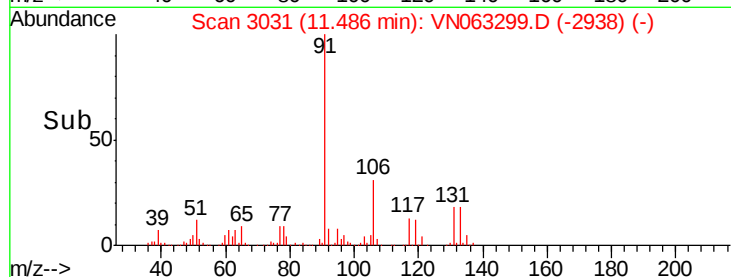
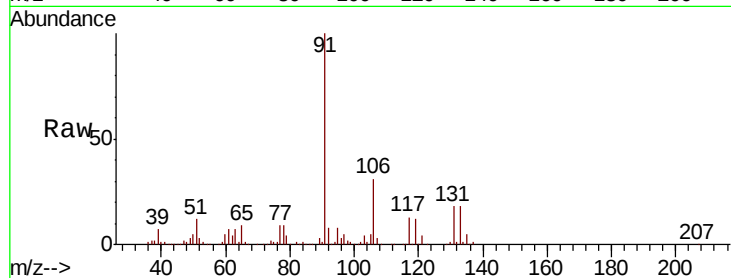




#67
Ethyl Benzene
Concen: 18.723 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. -0.00 min
Lab File: VN063299.D
Acq: 10 Sep 2020 17:23

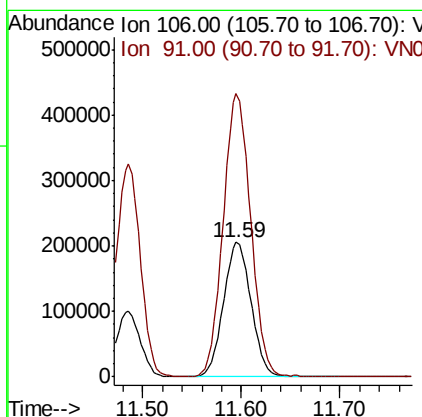
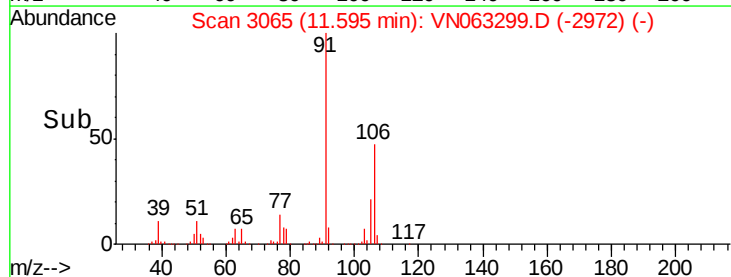
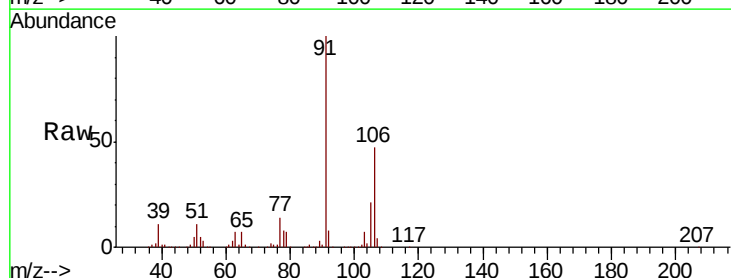
Instrument :
MSVOA_N
ClientSampleId :
VN0910MBSD01

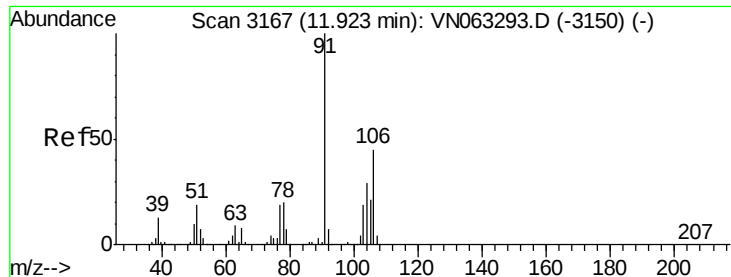
Tot Ion: 91 Resp: 553854
Ion Ratio Lower Upper
91 100
106 31.0 23.8 35.6



#68
m/p-Xylenes
Concen: 36.751 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN063299.D
Acq: 10 Sep 2020 17:23

Tgt Ion: 106 Resp: 402148
Ion Ratio Lower Upper
106 100
91 210.3 169.8 254.8

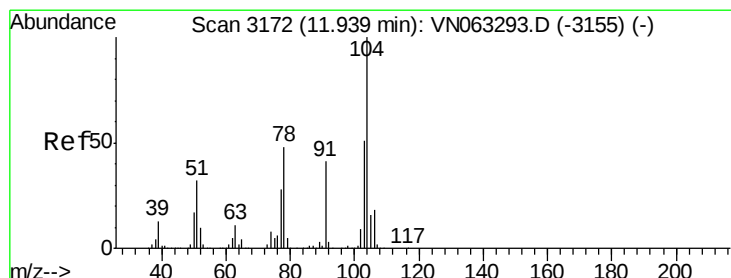
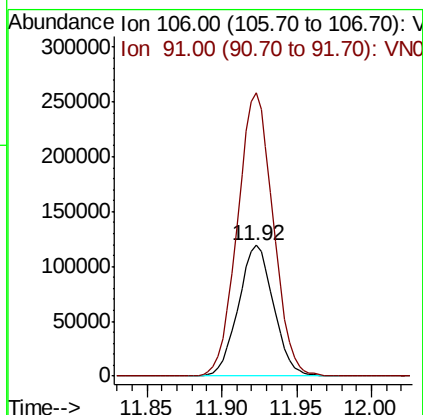
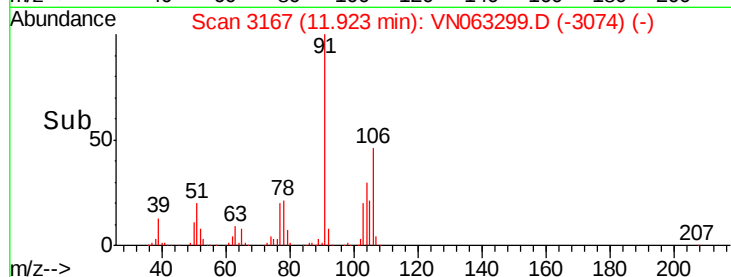
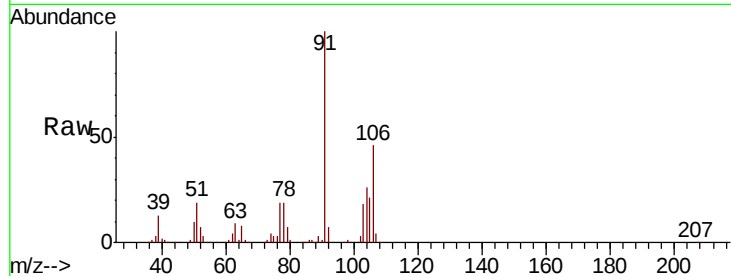




#69
o-Xylene
Concen: 18.562 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN063299.D
Acq: 10 Sep 2020 17:23

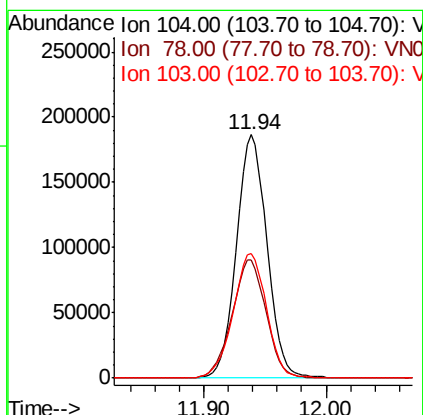
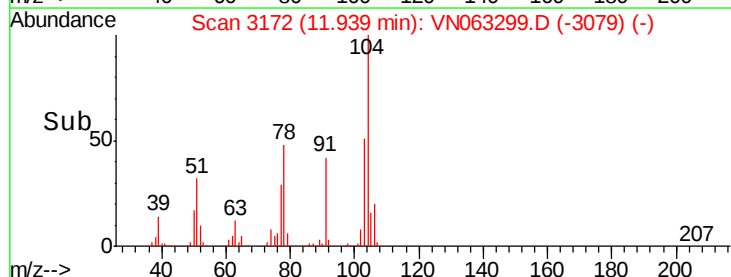
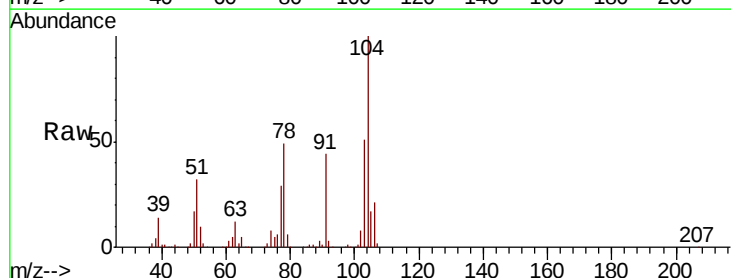
Instrument :
MSVOA_N
ClientSampleId :
VN0910MBSD01

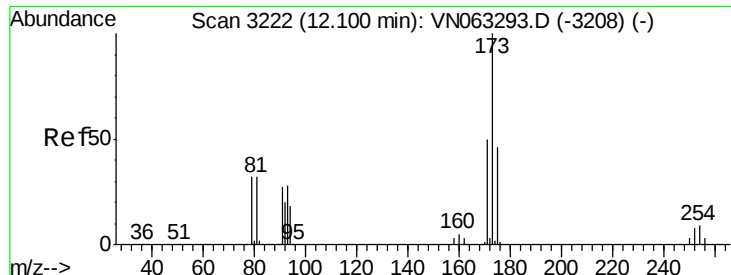
Tot Ion:106 Resp: 194921
Ion Ratio Lower Upper
106 100
91 219.6 111.5 334.4



#70
Styrene
Concen: 18.499 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. -0.00 min
Lab File: VN063299.D
Acq: 10 Sep 2020 17:23

Tgt Ion:104 Resp: 322871
Ion Ratio Lower Upper
104 100
78 54.3 42.9 64.3
103 56.2 44.2 66.2





#71

Bromoform

Concen: 18.338 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN063299.D

Acq: 10 Sep 2020 17:23

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBSD01

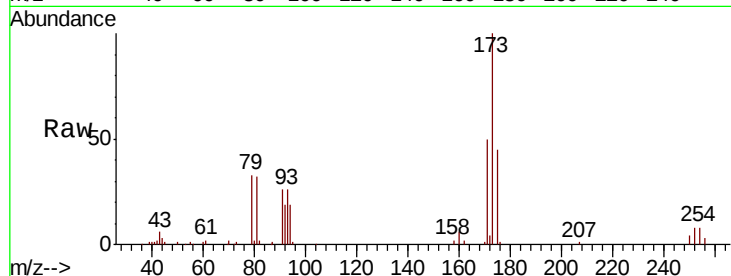
Tot Ion:173 Resp: 76146

Ion Ratio Lower Upper

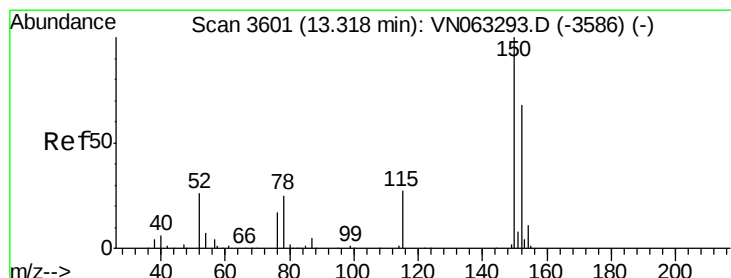
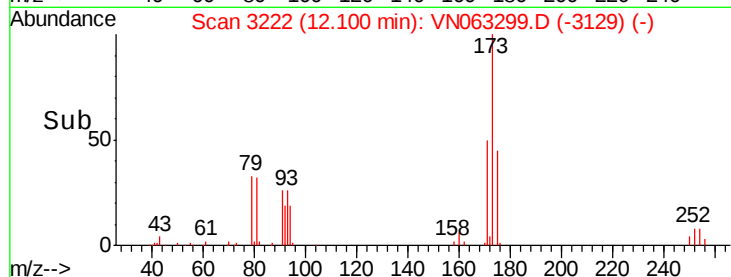
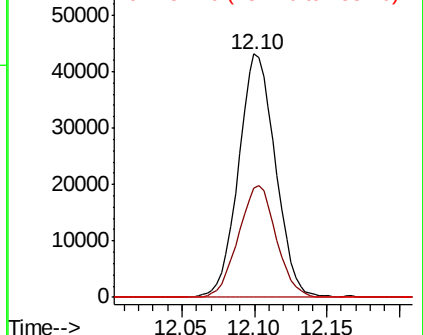
173 100

175 46.9 23.8 71.5

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: VN063299.D

Acq: 10 Sep 2020 17:23

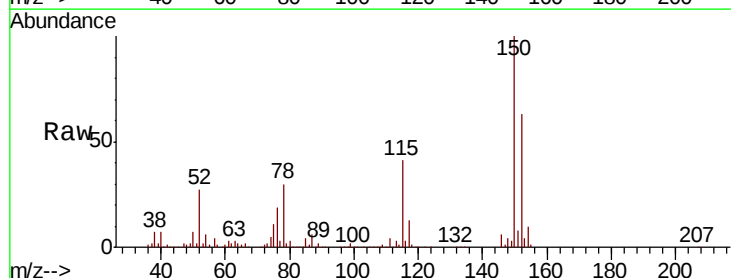
Tgt Ion:152 Resp: 342062

Ion Ratio Lower Upper

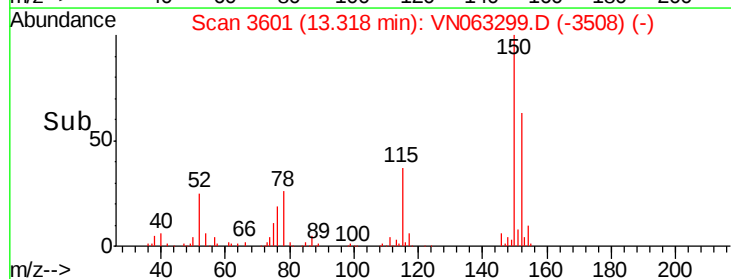
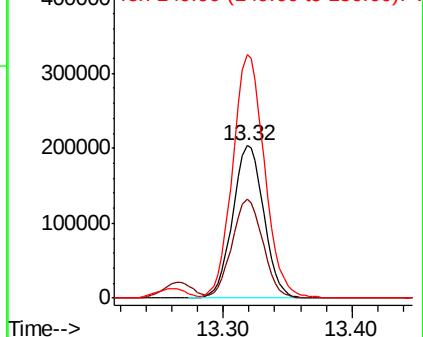
152 100

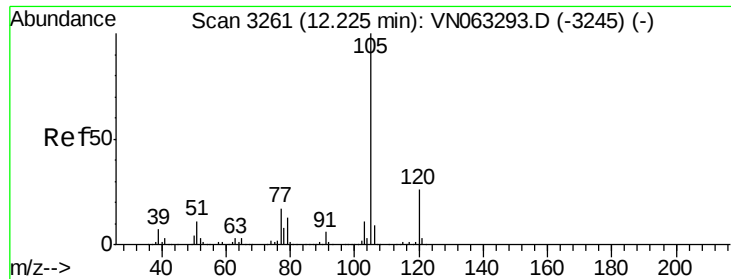
115 64.0 31.5 94.5

150 162.9 0.0 344.0



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





#73

Isopropylbenzene

Concen: 19.037 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. -0.00 min

Lab File: VN063299.D

Acq: 10 Sep 2020 17:23

Instrument :

MSVOA_N

ClientSampleId :

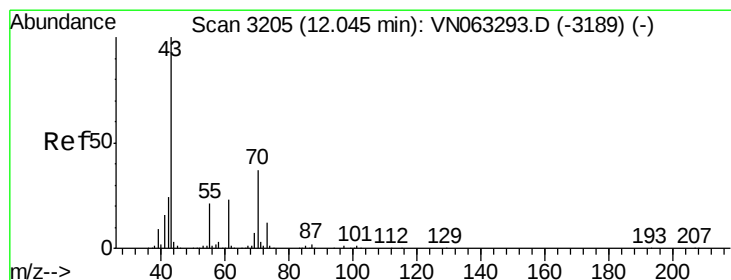
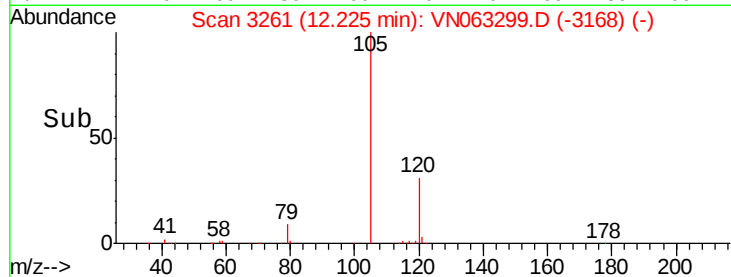
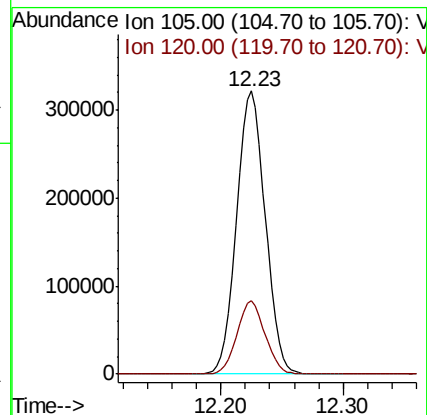
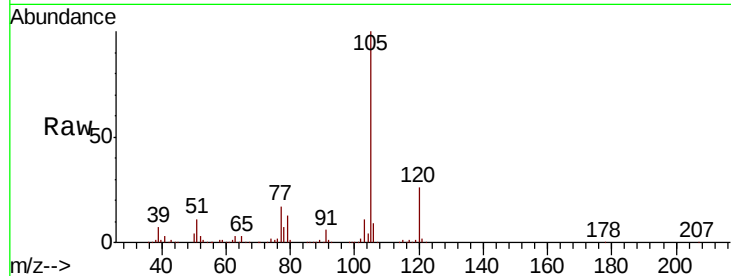
VN0910MBSD01

Tot Ion:105 Resp: 525257

Ion Ratio Lower Upper

105 100

120 25.5 13.0 38.9



#74

N-ethyl acetate

Concen: 19.427 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. -0.00 min

Lab File: VN063299.D

Acq: 10 Sep 2020 17:23

Tgt Ion: 43 Resp: 220062

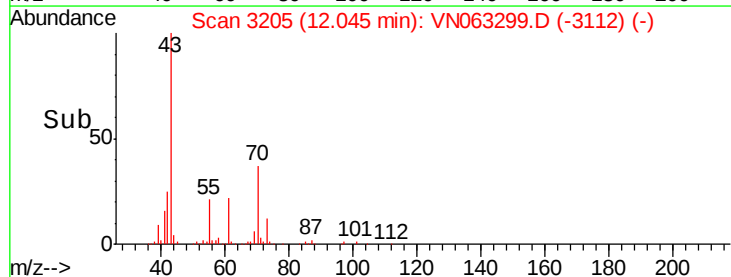
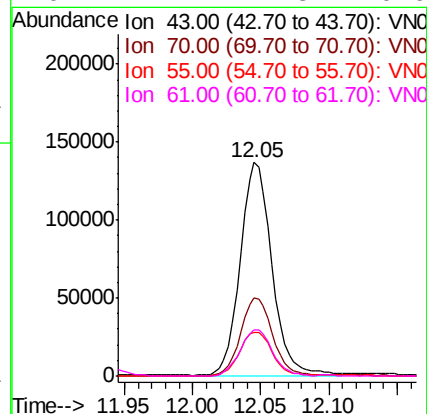
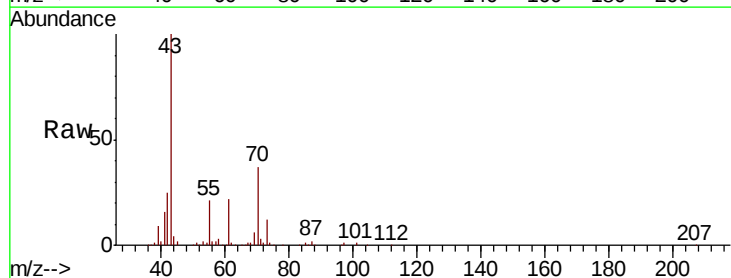
Ion Ratio Lower Upper

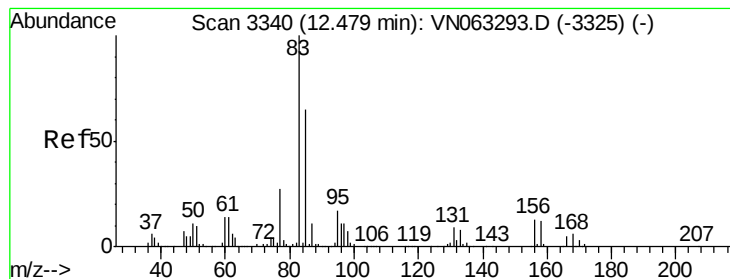
43 100

70 37.7 29.3 43.9

55 21.6 17.0 25.6

61 22.1 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 18.995 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. -0.00 min

Lab File: VN063299.D

Acq: 10 Sep 2020 17:23

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBSD01

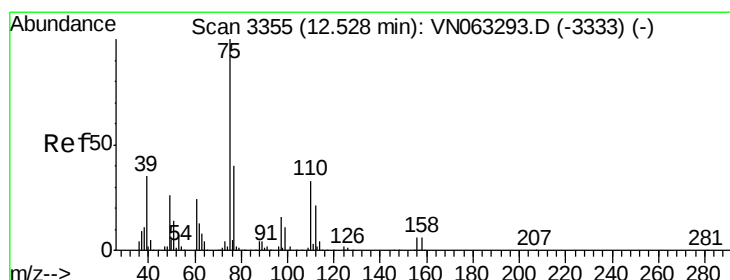
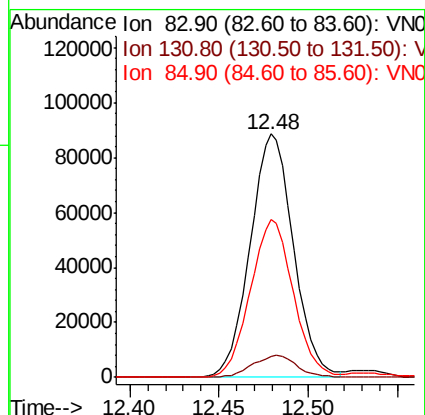
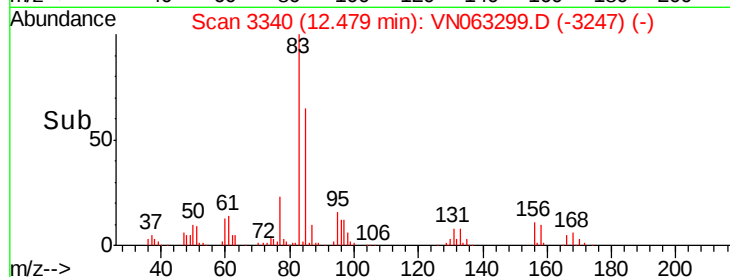
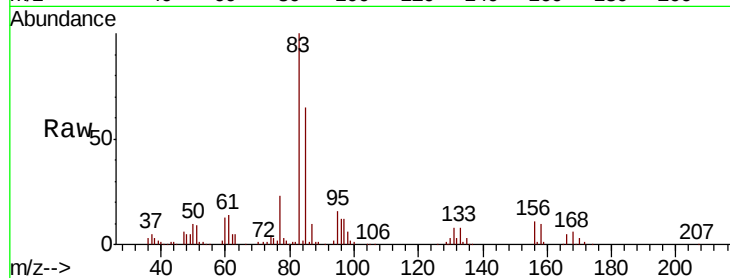
Tot Ion: 83 Resp: 150091

Ion Ratio Lower Upper

83 100

131 9.2 4.7 14.1

85 64.4 32.0 96.2



#76

1,2,3-Trichloropropane

Concen: 27.554 ug/l

RT: 12.53 min Scan# 3356

Delta R.T. 0.00 min

Lab File: VN063299.D

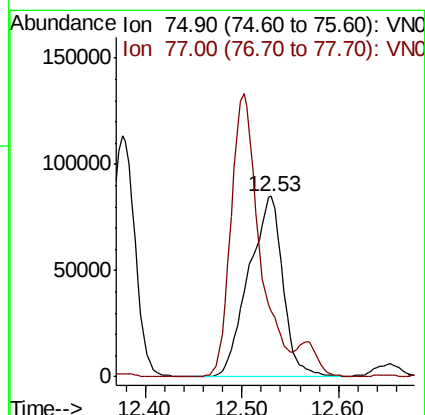
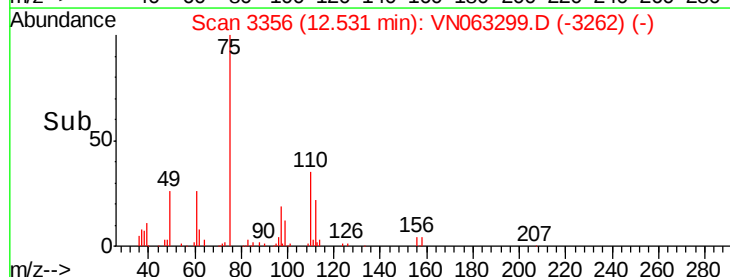
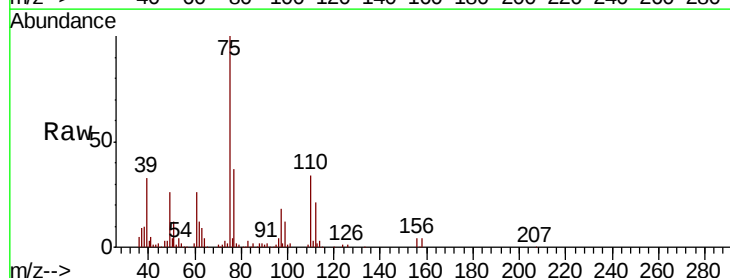
Acq: 10 Sep 2020 17:23

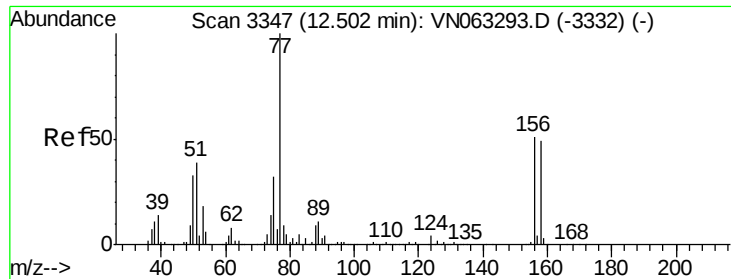
Tgt Ion: 75 Resp: 207930

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 18.615 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. -0.00 min

Lab File: VN063299.D

Acq: 10 Sep 2020 17:23

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBSD01

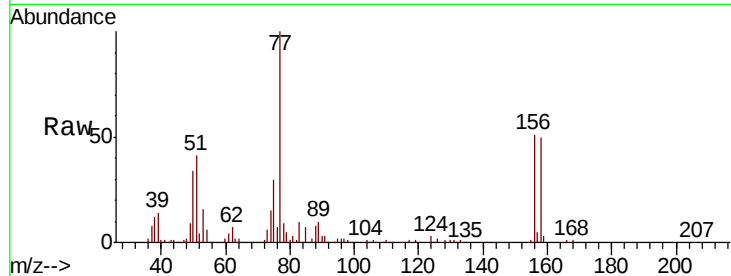
Tot Ion:156 Resp: 118057

Ion Ratio Lower Upper

156 100

77 233.6 117.4 352.2

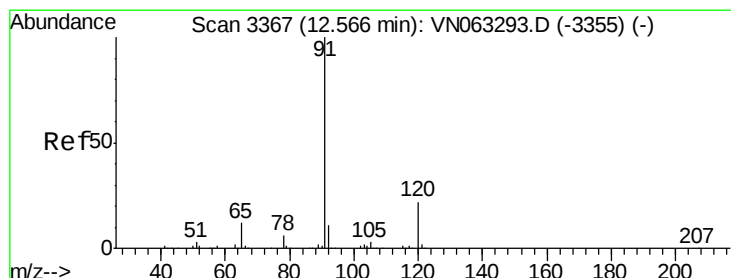
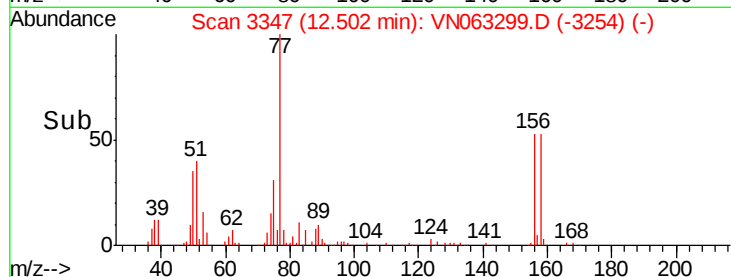
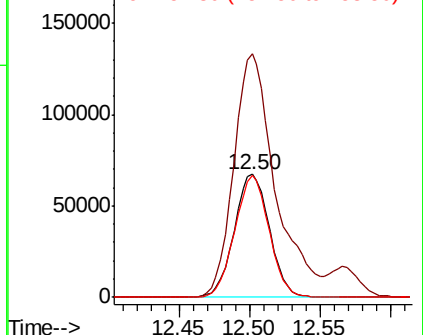
158 96.1 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.173 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN063299.D

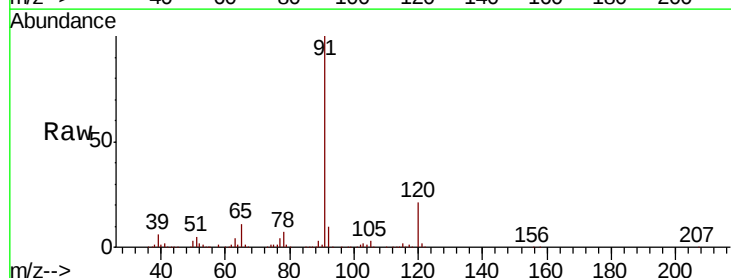
Acq: 10 Sep 2020 17:23

Tgt Ion: 91 Resp: 600959

Ion Ratio Lower Upper

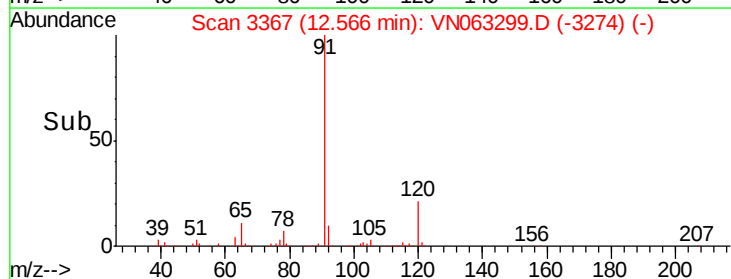
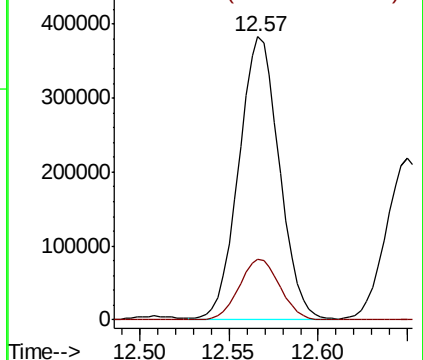
91 100

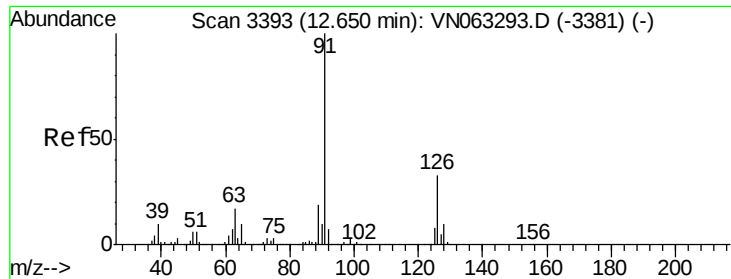
120 21.9 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.741 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. -0.00 min

Lab File: VN063299.D

Acq: 10 Sep 2020 17:23

Instrument :

MSVOA_N

ClientSampleId :

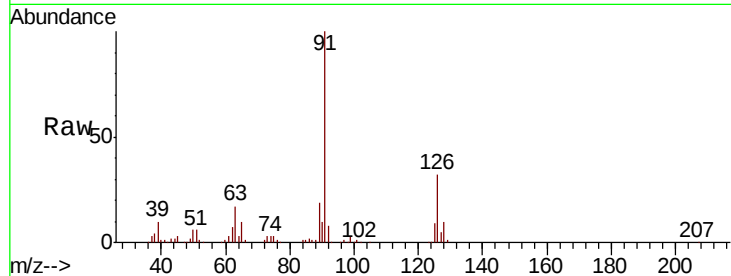
VN0910MBSD01

Tot Ion: 91 Resp: 361184

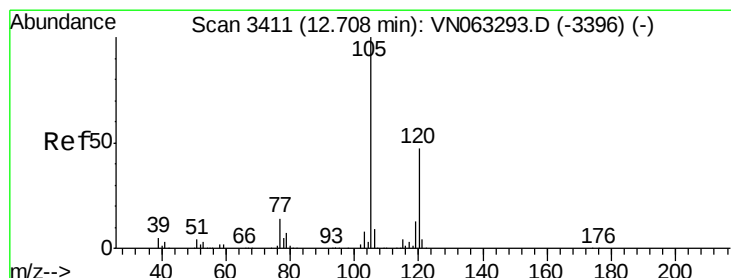
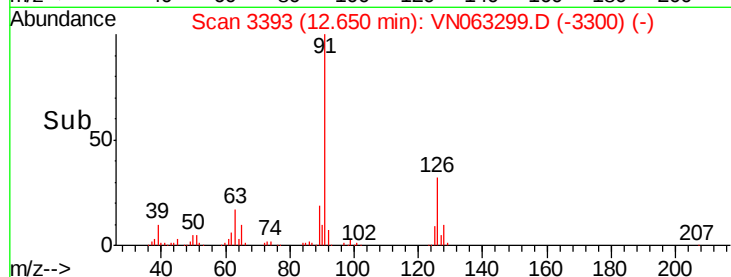
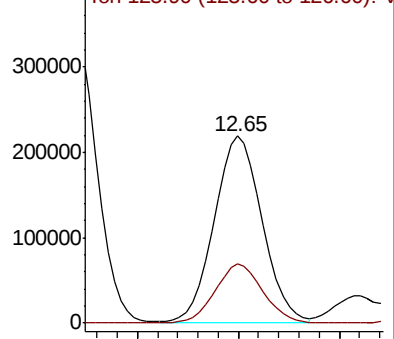
Ion Ratio Lower Upper

91 100

126 31.8 16.3 48.8



Abundance Ion 91.00 (90.70 to 91.70): VN063299.D (-3381) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.877 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN063299.D

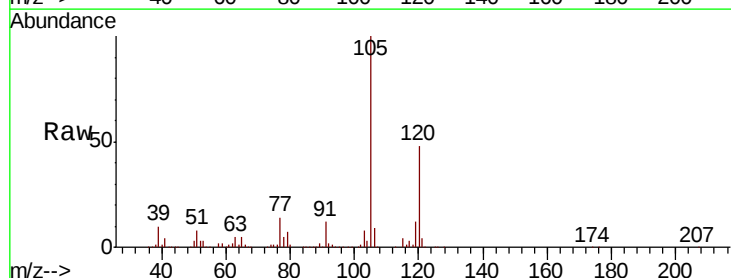
Acq: 10 Sep 2020 17:23

Tgt Ion:105 Resp: 432479

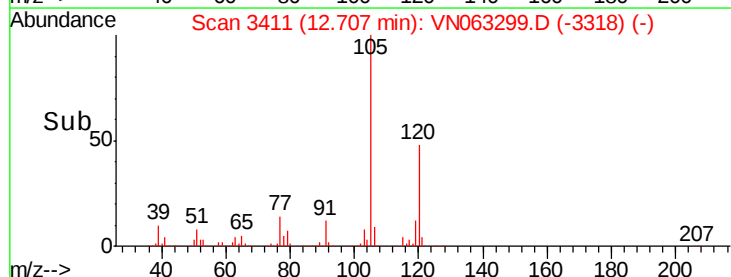
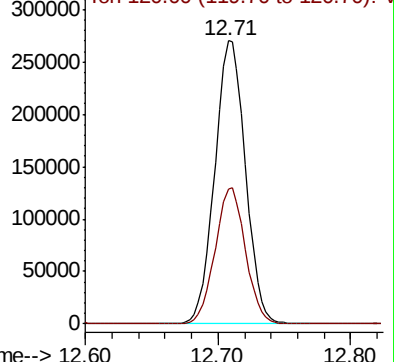
Ion Ratio Lower Upper

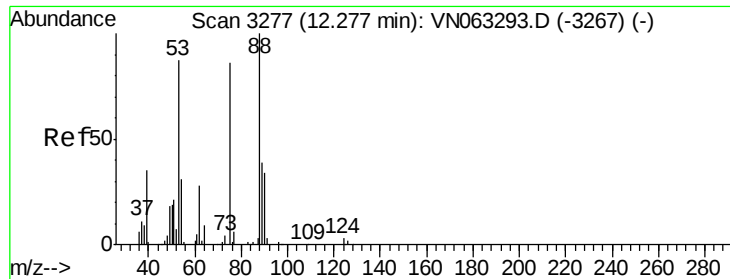
105 100

120 47.8 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN063299.D (-3396) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.280 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN063299.D

Acq: 10 Sep 2020 17:23

Instrument :

MSVOA_N

ClientSampled :

VN0910MBSD01

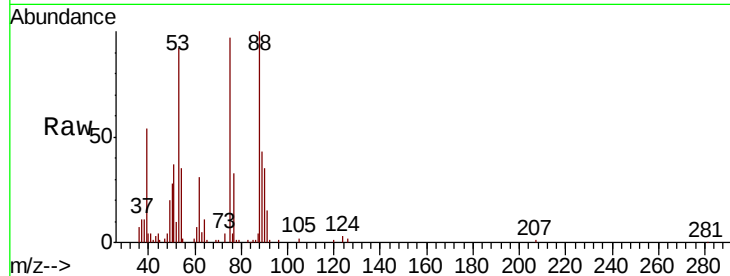
Tot Ion: 75 Resp: 51342

Ion Ratio Lower Upper

75 100

53 103.1 81.8 122.8

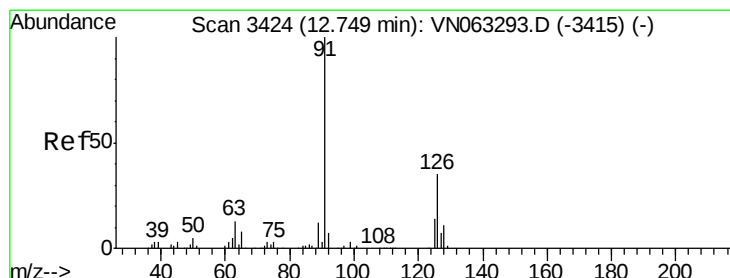
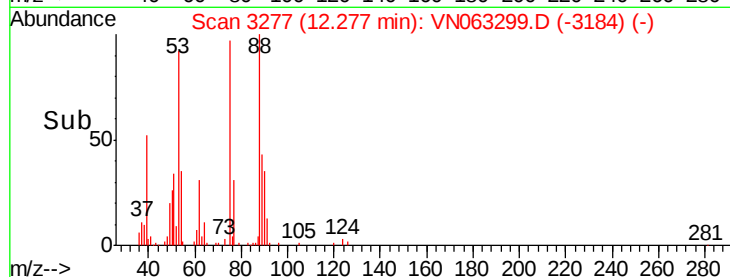
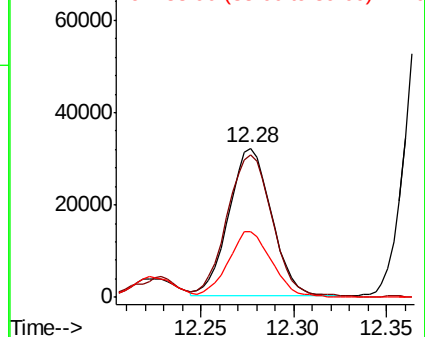
89 45.5 36.7 55.1



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 18.424 ug/l

RT: 12.75 min Scan# 3424

Delta R.T. -0.00 min

Lab File: VN063299.D

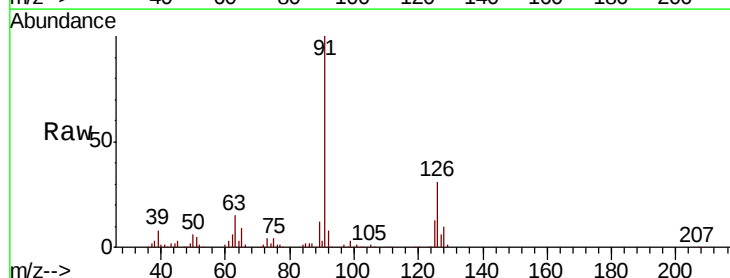
Acq: 10 Sep 2020 17:23

Tgt Ion: 91 Resp: 372195

Ion Ratio Lower Upper

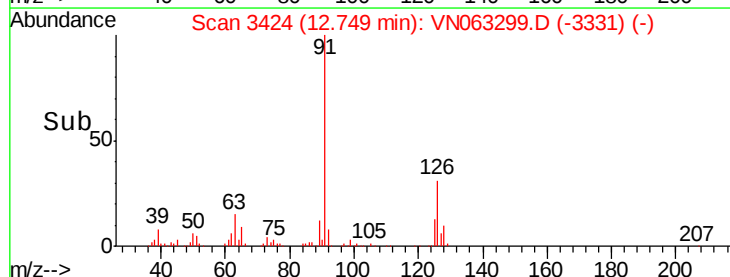
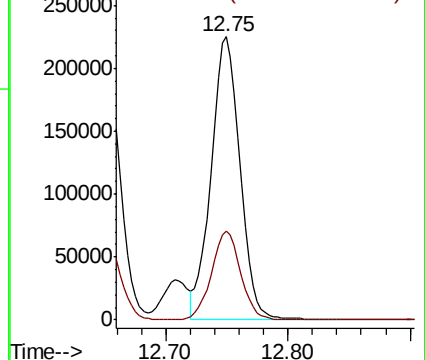
91 100

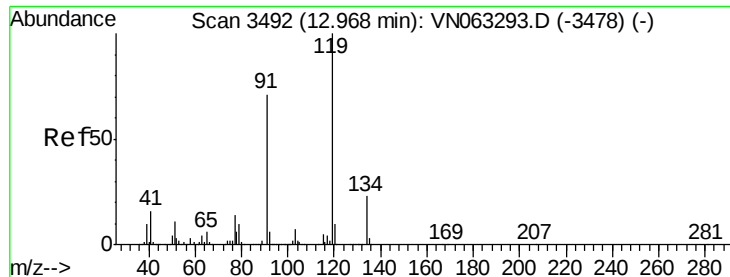
126 31.5 15.9 47.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

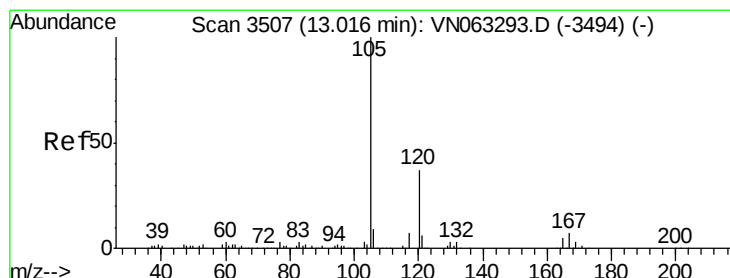
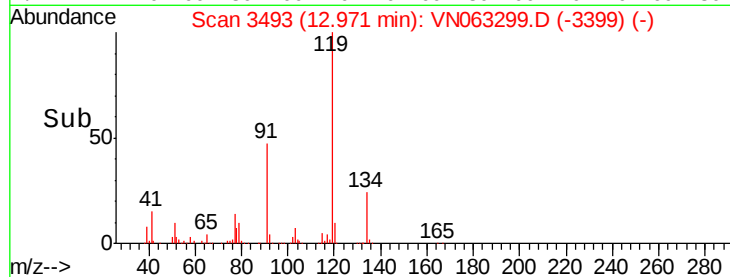
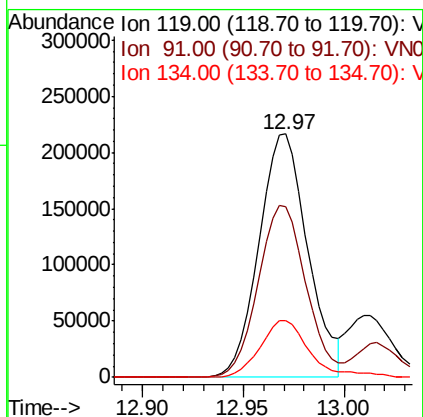
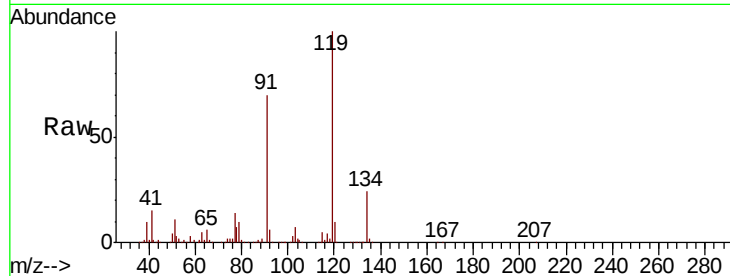




#83
 tert-Butylbenzene
 Concen: 18.770 ug/l
 RT: 12.97 min Scan# 3493
 Delta R.T. 0.00 min
 Lab File: VN063299.D
 Acq: 10 Sep 2020 17:23

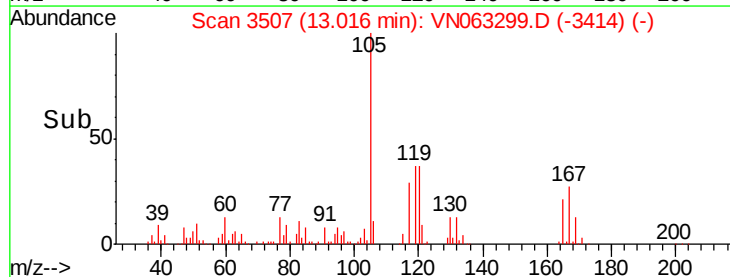
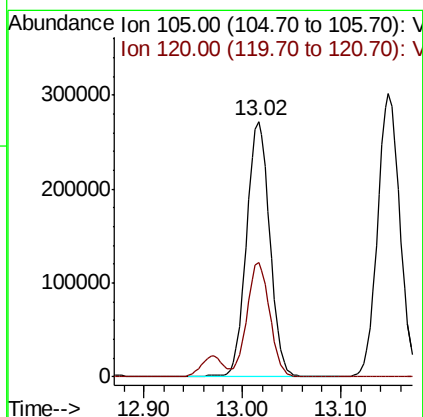
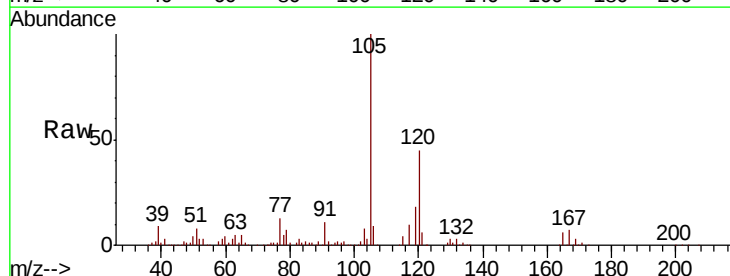
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBSD01

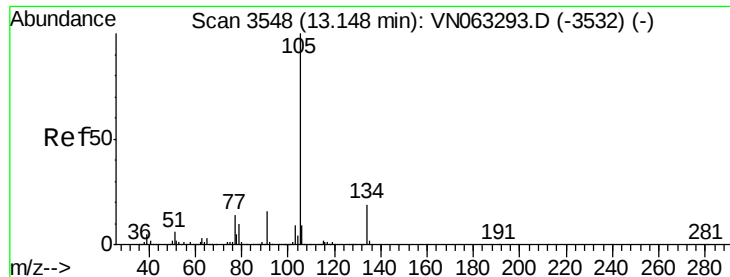
Tot Ion:119 Resp: 364703
 Ion Ratio Lower Upper
 119 100
 91 68.6 34.8 104.3
 134 23.9 11.9 35.5



#84
 1,2,4-Trimethylbenzene
 Concen: 19.144 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. -0.00 min
 Lab File: VN063299.D
 Acq: 10 Sep 2020 17:23

Tgt Ion:105 Resp: 442083
 Ion Ratio Lower Upper
 105 100
 120 43.7 21.8 65.4





#85

sec-Butylbenzene

Concen: 19.235 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. -0.00 min

Lab File: VN063299.D

Acq: 10 Sep 2020 17:23

Instrument :

MSVOA_N

ClientSampleId :

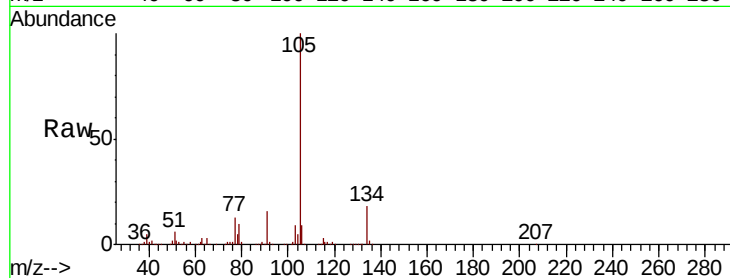
VN0910MBSD01

Tot Ion:105 Resp: 475473

Ion Ratio Lower Upper

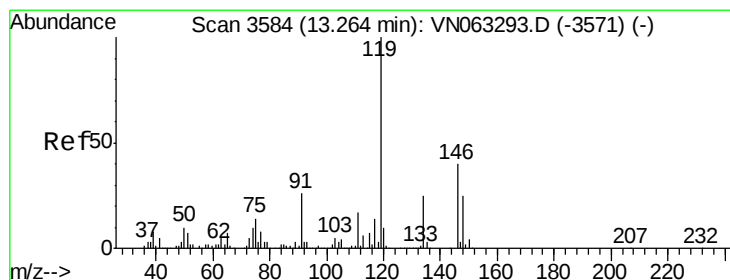
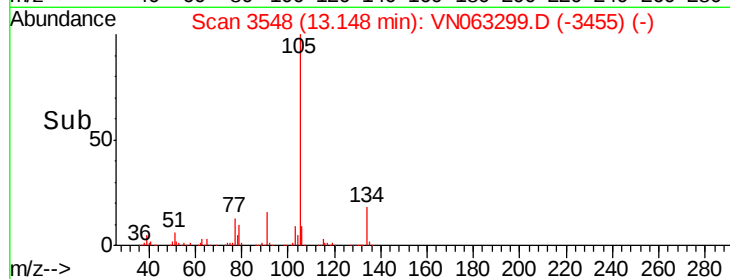
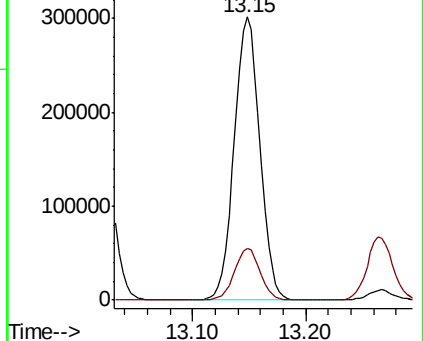
105 100

134 18.2 9.4 28.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.717 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN063299.D

Acq: 10 Sep 2020 17:23

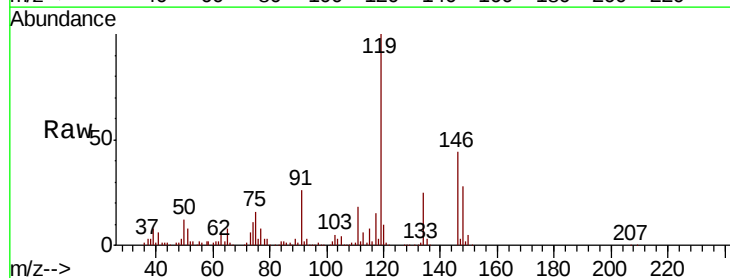
Tgt Ion:119 Resp: 424161

Ion Ratio Lower Upper

119 100

134 25.4 12.6 37.8

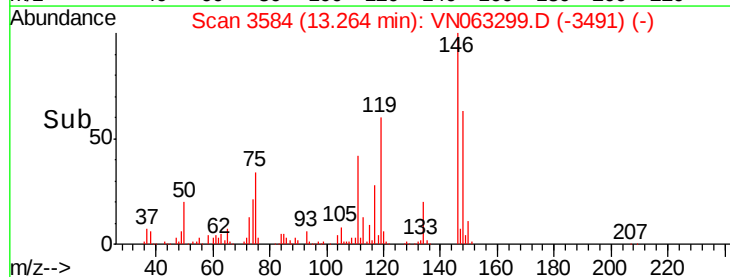
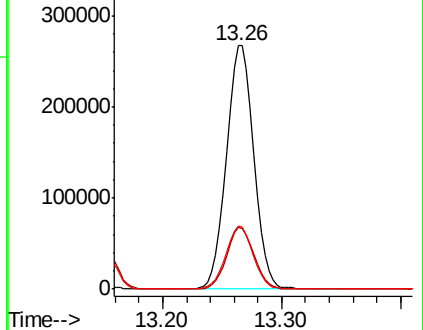
91 25.5 12.8 38.3

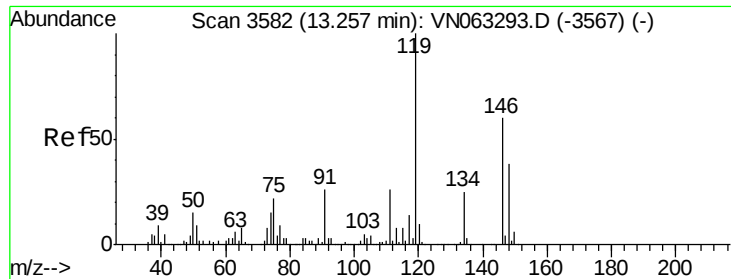


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

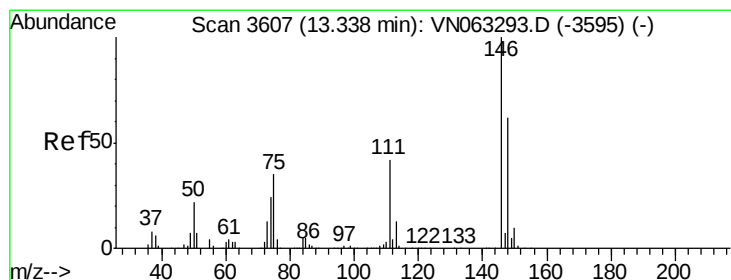
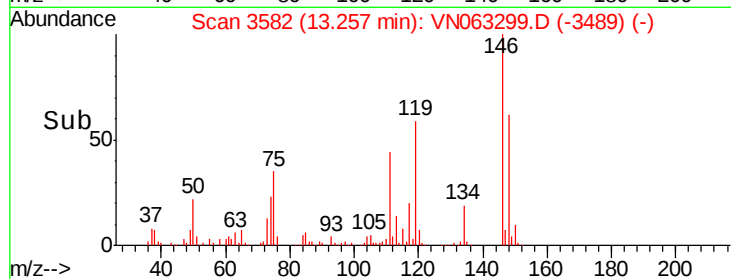
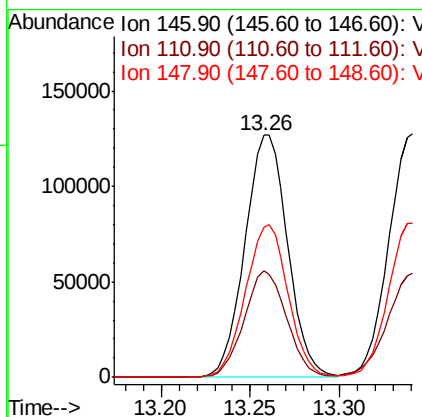
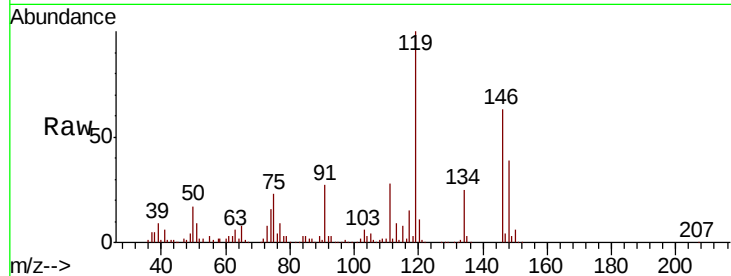




#87
 1,3-Dichlorobenzene
 Concen: 18.351 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN063299.D
 Acq: 10 Sep 2020 17:23

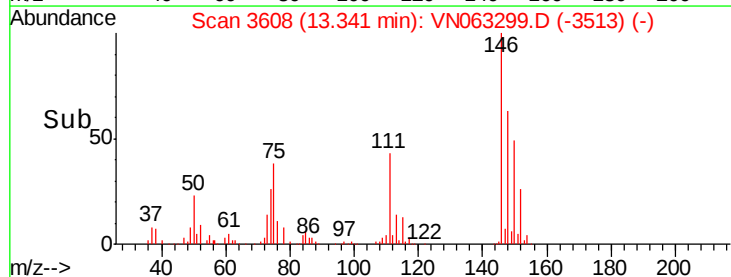
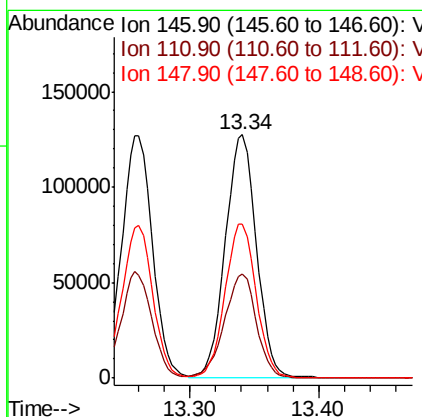
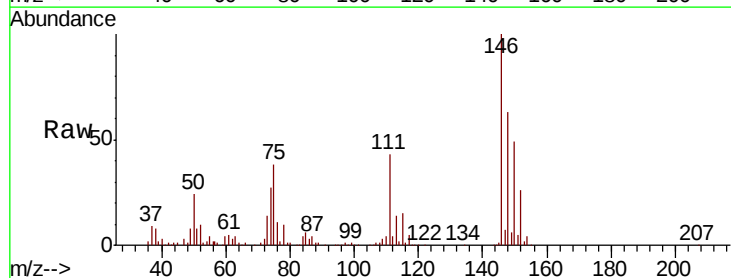
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBSD01

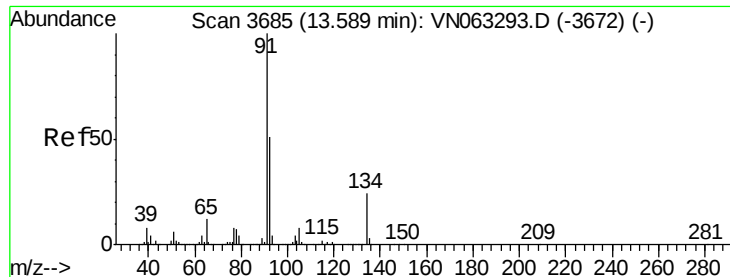
Tot Ion:146 Resp: 212762
 Ion Ratio Lower Upper
 146 100
 111 43.6 21.8 65.4
 148 62.7 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 18.578 ug/l
 RT: 13.34 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VN063299.D
 Acq: 10 Sep 2020 17:23

Tgt Ion:146 Resp: 213075
 Ion Ratio Lower Upper
 146 100
 111 44.0 21.3 64.0
 148 63.2 31.5 94.5





#89

n-Butylbenzene

Concen: 18.754 ug/l

RT: 13.59 min Scan# 3686

Delta R.T. 0.00 min

Lab File: VN063299.D

Acq: 10 Sep 2020 17:23

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBSD01

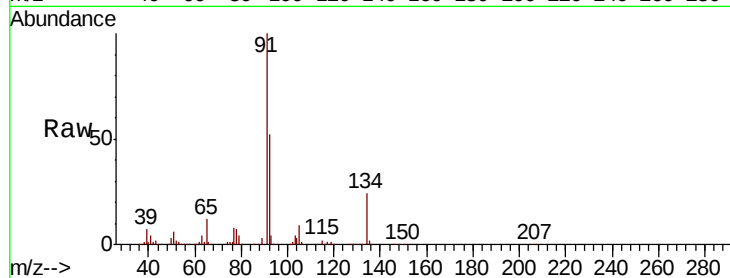
Tot Ion: 91 Resp: 383650

Ion Ratio Lower Upper

91 100

92 51.2 25.8 77.3

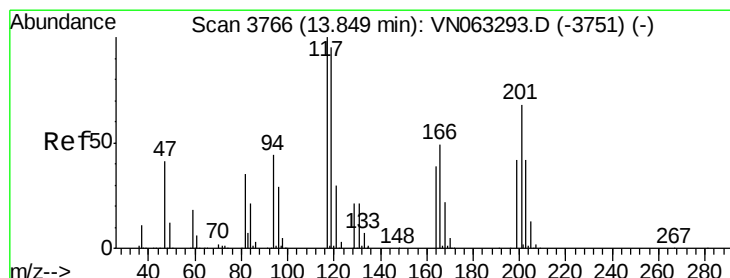
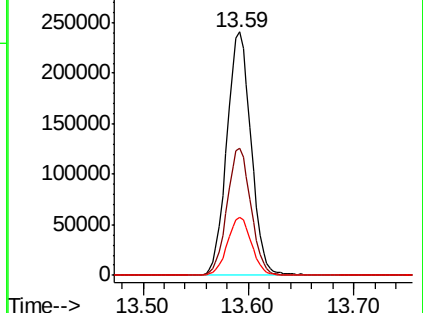
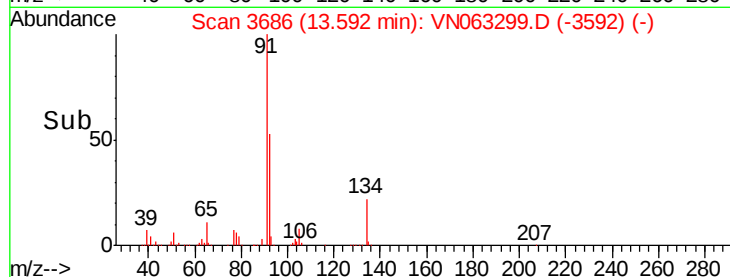
134 23.6 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 19.029 ug/l

RT: 13.85 min Scan# 3767

Delta R.T. 0.00 min

Lab File: VN063299.D

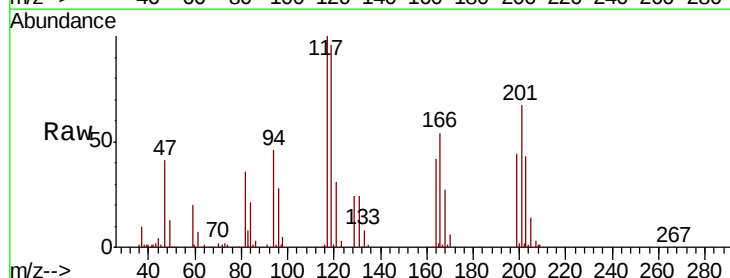
Acq: 10 Sep 2020 17:23

Tgt Ion: 117 Resp: 70933

Ion Ratio Lower Upper

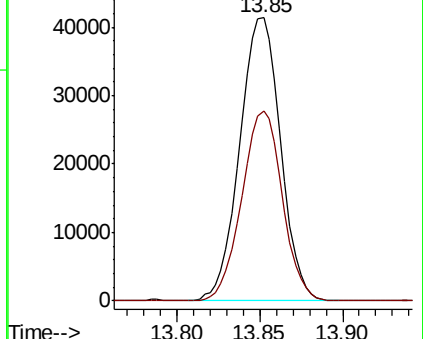
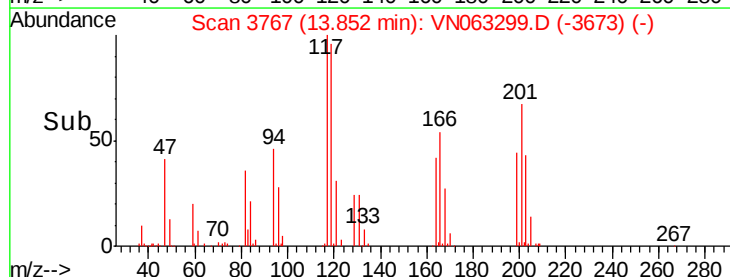
117 100

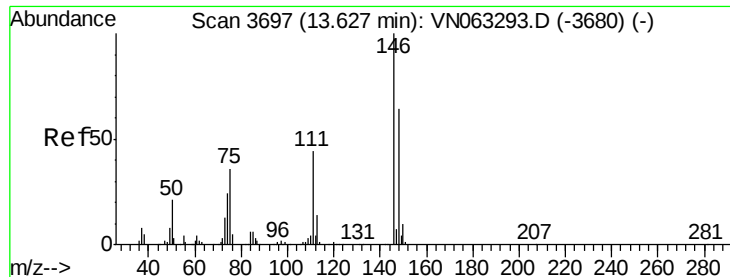
201 66.4 33.5 100.4



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

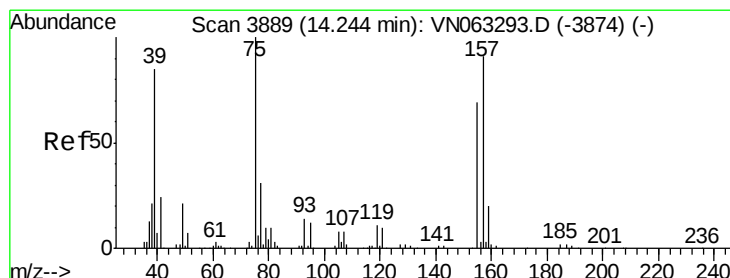
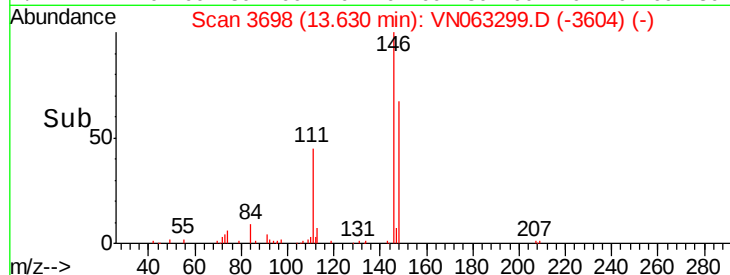
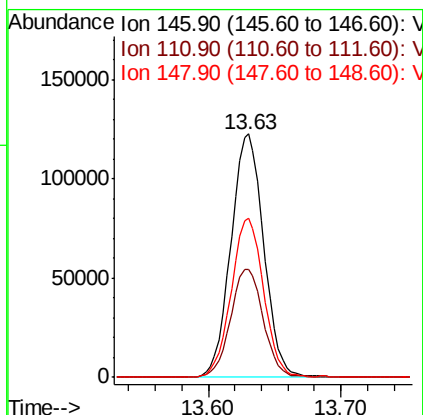
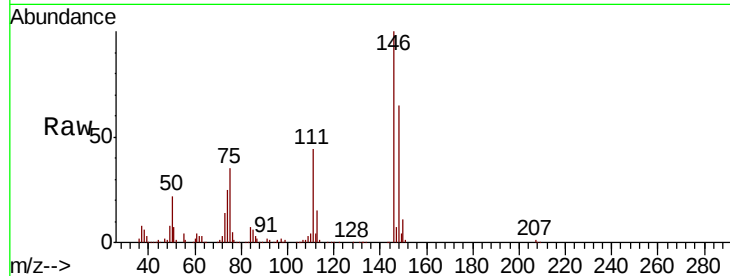




#91
 1,2-Dichlorobenzene
 Concen: 18.374 ug/l
 RT: 13.63 min Scan# 3698
 Delta R.T. 0.00 min
 Lab File: VN063299.D
 Acq: 10 Sep 2020 17:23

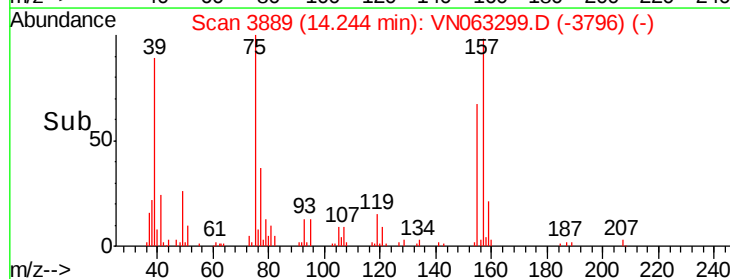
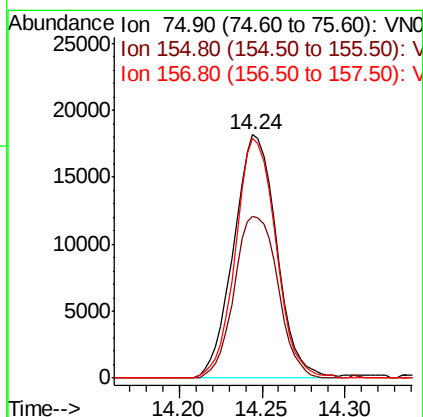
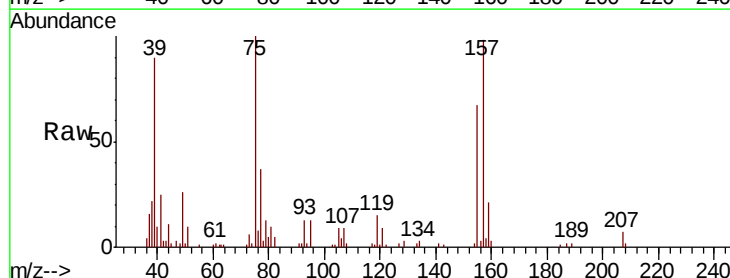
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBSD01

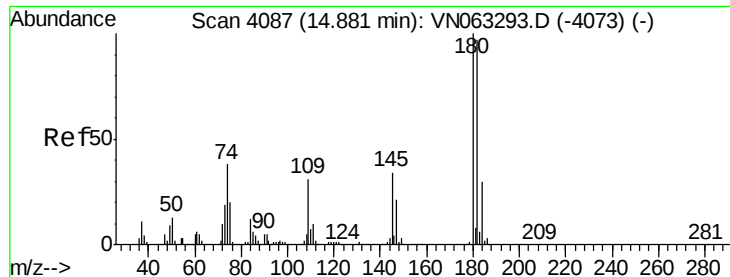
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.1	66.5
148	64.3	31.8	95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.222 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN063299.D
 Acq: 10 Sep 2020 17:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	67.6	35.3	105.7
157	93.0	46.7	140.0

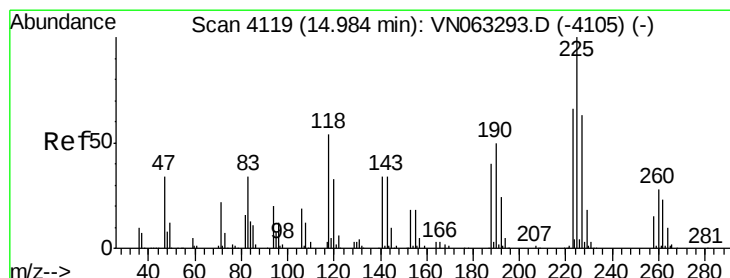
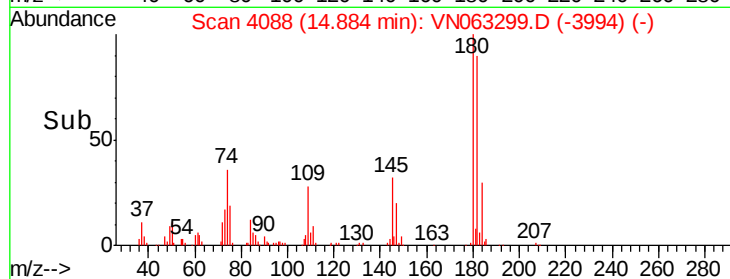
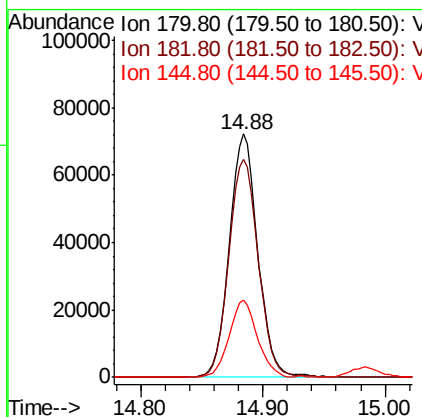
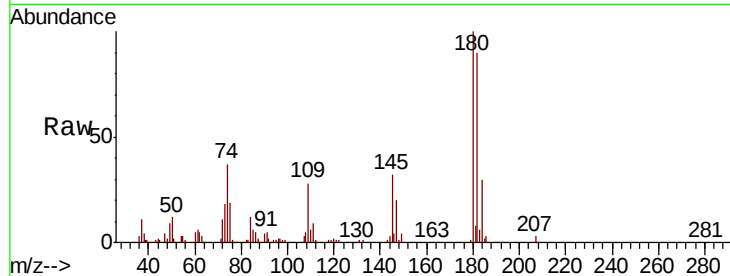




#93
 1,2,4-Trichlorobenzene
 Concen: 17.516 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN063299.D
 Acq: 10 Sep 2020 17:23

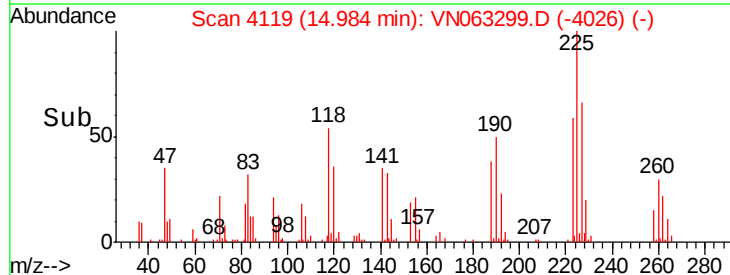
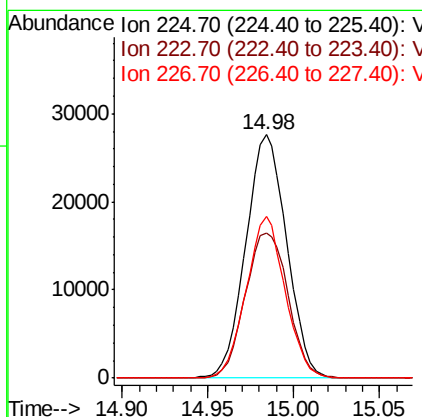
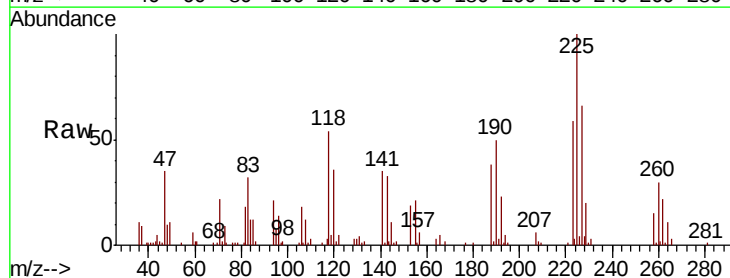
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBSD01

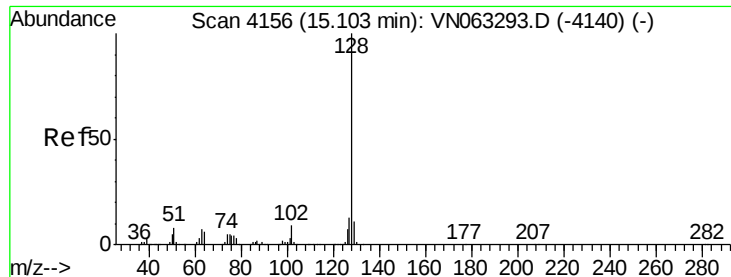
Tot Ion	Ratio	Lower	Upper
180	100		
182	92.9	48.0	144.2
145	31.5	16.6	49.8



#94
 Hexachlorobutadiene
 Concen: 18.061 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. -0.00 min
 Lab File: VN063299.D
 Acq: 10 Sep 2020 17:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.3	93.9
227	62.9	31.2	93.6





#95

Naphthalene

Concen: 17.548 ug/l

RT: 15.11 min Scan# 4157

Delta R.T. 0.00 min

Lab File: VN063299.D

Acq: 10 Sep 2020 17:23

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBSD01

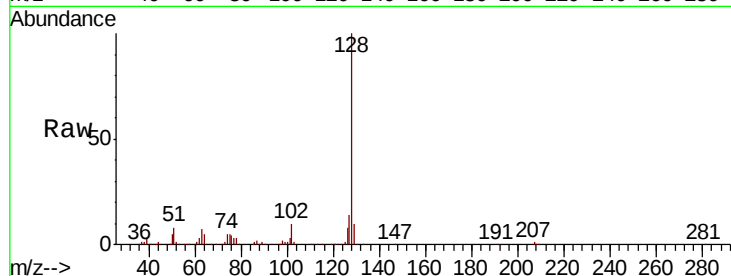
Tot Ion:128 Resp: 360742

Ion Ratio Lower Upper

128 100

127 13.2 10.3 15.5

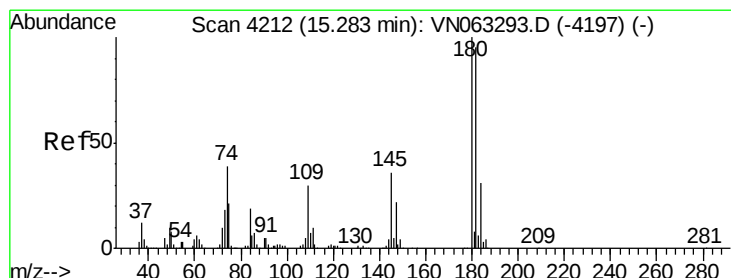
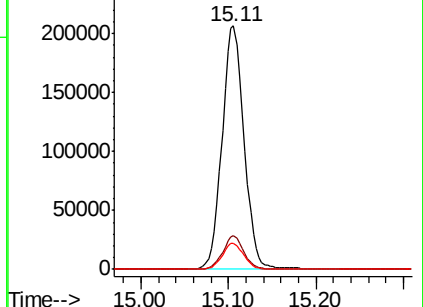
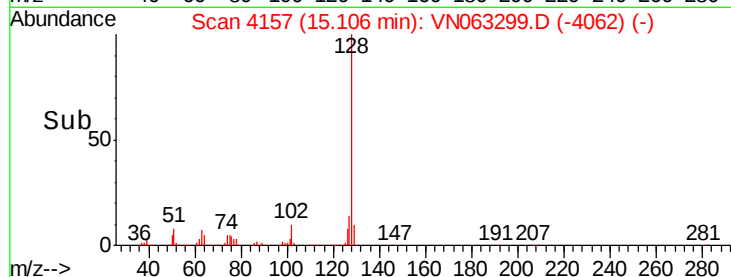
129 10.4 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 17.833 ug/l

RT: 15.29 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN063299.D

Acq: 10 Sep 2020 17:23

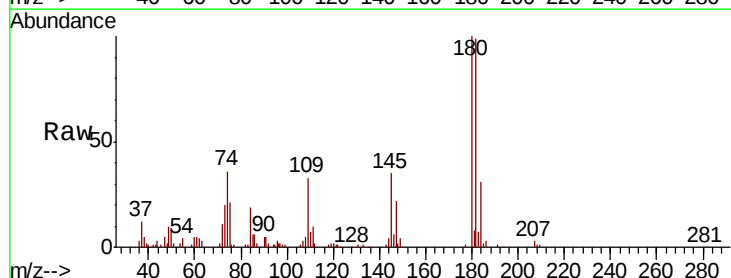
Tgt Ion:180 Resp: 110609

Ion Ratio Lower Upper

180 100

182 97.6 47.4 142.3

145 34.8 17.2 51.6



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

