

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091120\
 Data File : VN063329.D
 Acq On : 11 Sep 2020 21:06
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Sep 12 00:45:33 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	458495	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	815517	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	749230	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	342521	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	357030	49.56	ug/l	0.00
Spiked Amount			Recovery	=	99.12%	
35) Dibromofluoromethane	7.55	113	261062	49.62	ug/l	0.00
Spiked Amount			Recovery	=	99.24%	
50) Toluene-d8	10.06	98	1014680	50.33	ug/l	0.00
Spiked Amount			Recovery	=	100.66%	
62) 4-Bromofluorobenzene	12.38	95	373157	50.11	ug/l	0.00
Spiked Amount			Recovery	=	100.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	200360	45.501	ug/l	98
3) Chloromethane	2.04	50	290582	50.422	ug/l	98
4) Vinyl Chloride	2.16	62	301593	48.411	ug/l	99
5) Bromomethane	2.53	94	207147	47.659	ug/l	97
6) Chloroethane	2.67	64	196358	48.183	ug/l	93
7) Trichlorofluoromethane	2.99	101	452617	46.982	ug/l	99
8) Diethyl Ether	3.38	74	163146	47.493	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	232441	46.181	ug/l	98
10) Methyl Iodide	3.91	142	325282	49.854	ug/l	100
11) Tert butyl alcohol	4.73	59	227546	238.916	ug/l	98
12) 1,1-Dichloroethene	3.70	96	236353	47.042	ug/l	99
13) Acrolein	3.57	56	216792	395.802	ug/l	99
14) Allyl chloride	4.28	41	457281	44.335	ug/l	96
15) Acrylonitrile	4.93	53	649931	249.586	ug/l	100
16) Acetone	3.77	43	560917	225.501	ug/l	96
17) Carbon Disulfide	4.01	76	670479	47.107	ug/l	99
18) Methyl Acetate	4.28	43	306048	48.945	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	867330	48.310	ug/l	99
20) Methylene Chloride	4.51	84	283748	50.107	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	257280	45.758	ug/l	99
22) Diisopropyl ether	5.90	45	973481	47.960	ug/l	97
23) Vinyl Acetate	5.84	43	4104631	256.911	ug/l	99
24) 1,1-Dichloroethane	5.80	63	519204	47.234	ug/l	99
25) 2-Butanone	6.78	43	900061	244.956	ug/l	100
26) 2,2-Dichloropropane	6.78	77	387492	40.220	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	307423	46.915	ug/l	96
28) Bromochloromethane	7.15	49	249307	46.773	ug/l	99
29) Tetrahydrofuran	7.16	42	595237	248.790	ug/l	98
30) Chloroform	7.33	83	527638	47.942	ug/l	98
31) Cyclohexane	7.61	56	458611	45.392	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	460278	47.975	ug/l	99
36) 1,1-Dichloropropene	7.75	75	390533	46.589	ug/l	99
37) Ethyl Acetate	6.88	43	391593	47.484	ug/l	99
38) Carbon Tetrachloride	7.74	117	393819	47.735	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	416661	45.562	ug/l	99
40) Benzene	8.00	78	1156324	48.296	ug/l	99
41) Methacrylonitrile	7.12	41	172664	46.287	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	442728	48.738	ug/l	100
43) Isopropyl Acetate	8.13	43	686448	49.151	ug/l	99
44) Trichloroethene	8.80	130	293966	46.950	ug/l	99
45) 1,2-Dichloropropane	9.08	63	314314	47.861	ug/l	99
46) Dibromomethane	9.17	93	207910	48.821	ug/l	97
47) Bromodichloromethane	9.37	83	426025	48.004	ug/l	99
48) Methyl methacrylate	9.17	41	323272	48.511	ug/l	98
49) 1,4-Dioxane	9.17	88	91599	887.787	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	2009900	261.139	ug/l	100
52) Toluene	10.13	92	716249	48.998	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	464003	47.946	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	497789	47.773	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	279495	48.794	ug/l	99
56) Ethyl methacrylate	10.40	69	447672	51.394	ug/l	99
57) 1,3-Dichloropropane	10.68	76	490316	48.986	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	1083325	231.860	ug/l	100
59) 2-Hexanone	10.72	43	1471925	259.308	ug/l	99
60) Dibromochloromethane	10.87	129	316103	50.254	ug/l	100
61) 1,2-Dibromoethane	10.98	107	294334	49.290	ug/l	100
64) Tetrachloroethene	10.60	164	295956	48.220	ug/l	97
65) Chlorobenzene	11.41	112	757034	46.934	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.48	131	279794	47.611	ug/l	99
67) Ethyl Benzene	11.49	91	1406314	48.566	ug/l	99
68) m/p-Xylenes	11.60	106	1021894	95.405	ug/l	97
69) o-Xylene	11.92	106	489479	47.618	ug/l	99
70) Styrene	11.94	104	838918	49.104	ug/l	99
71) Bromoform	12.10	173	202603	49.845	ug/l #	98
73) Isopropylbenzene	12.23	105	1321897	47.847	ug/l	99
74) N-amyl acetate	12.05	43	610758	53.846	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	387987	49.035	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	537041	71.070	ug/l #	100
77) Bromobenzene	12.50	156	312116	49.148	ug/l	96
78) n-propylbenzene	12.57	91	1538097	49.006	ug/l	100
79) 2-Chlorotoluene	12.65	91	923013	47.829	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	1120591	48.847	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	132350	47.059	ug/l	98
82) 4-Chlorotoluene	12.75	91	951172	47.020	ug/l	100
83) tert-Butylbenzene	12.97	119	910410	46.794	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	1130627	48.896	ug/l	99
85) sec-Butylbenzene	13.15	105	1211294	48.936	ug/l	100
86) p-Isopropyltoluene	13.26	119	1095997	48.298	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	553075	47.638	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	546308	49.191	ug/l	99
89) n-Butylbenzene	13.59	91	964321	47.075	ug/l	100
90) Hexachloroethane	13.85	117	193587	51.863	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	543131	47.333	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	86739	48.208	ug/l	99

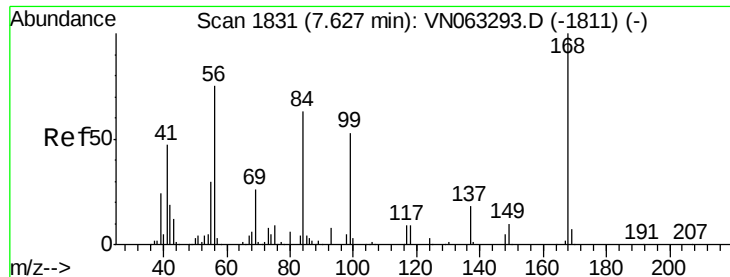
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091120\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	289178	43.055	ug/l	99
94) Hexachlorobutadiene	14.98	225	115544	47.664	ug/l	99
95) Naphthalene	15.10	128	978481	48.449	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	285156	47.263	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN063329.D

Acq: 11 Sep 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

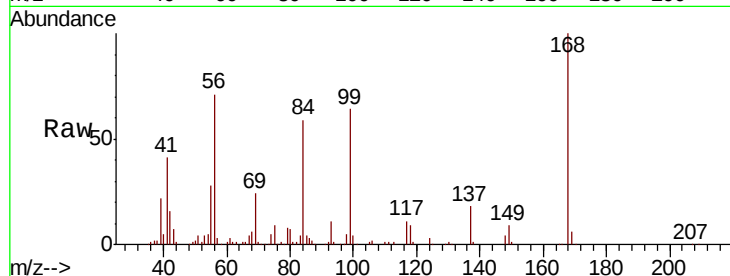
VSTDCCC050EC

Tot Ion:168 Resp: 458495

Ion Ratio Lower Upper

168 100

99 63.9 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

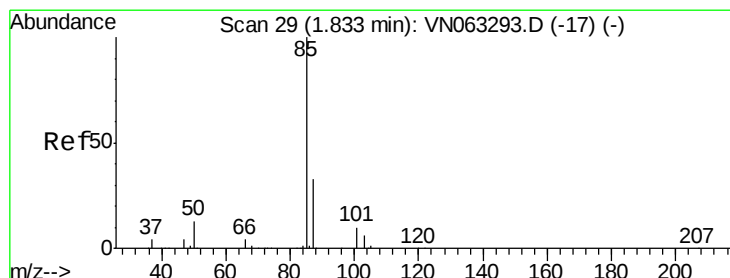
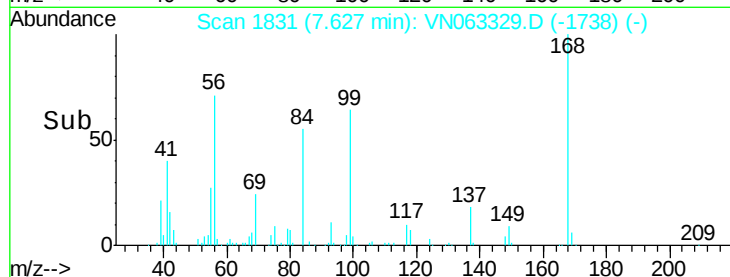
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 45.501 ug/l

RT: 1.83 min Scan# 28

Delta R.T. -0.00 min

Lab File: VN063329.D

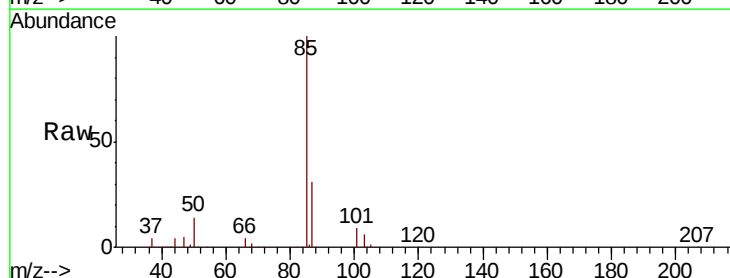
Acq: 11 Sep 2020 21:06

Tgt Ion: 85 Resp: 200360

Ion Ratio Lower Upper

85 100

87 31.4 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

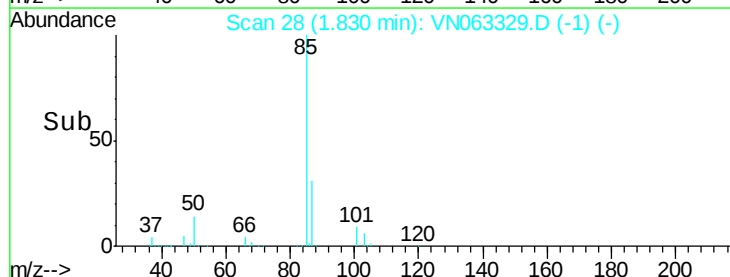
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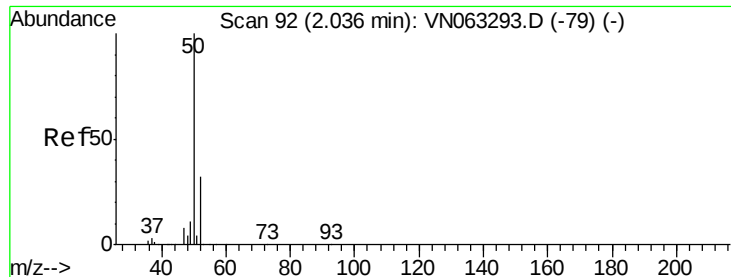
100000

50000

0

Time--> 1.75 1.80 1.85 1.90





#3

Chloromethane

Concen: 50.422 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063329.D

Acq: 11 Sep 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

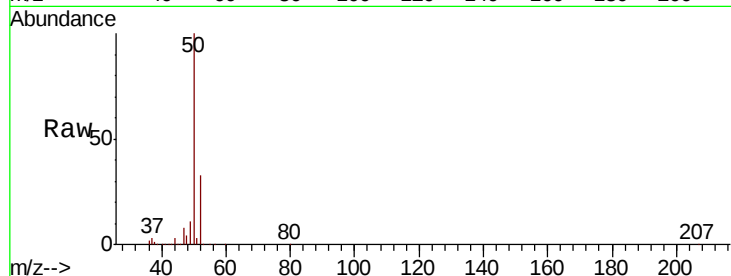
VSTDCCC050EC

Tot Ion: 50 Resp: 290582

Ion Ratio Lower Upper

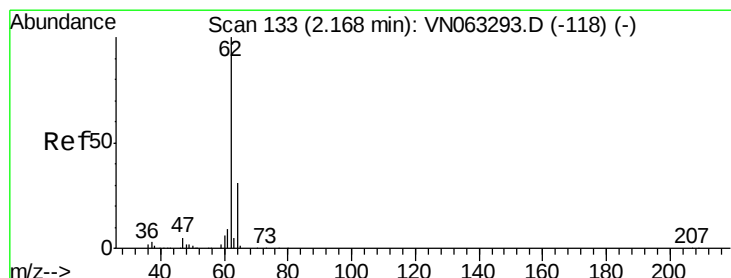
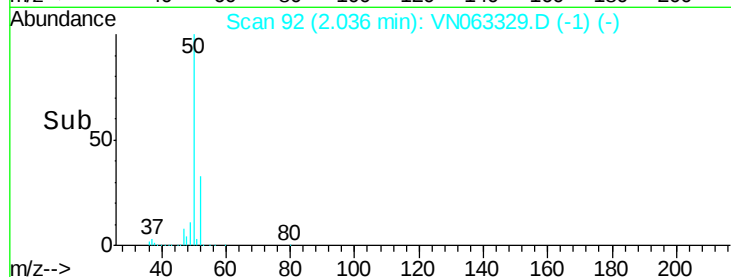
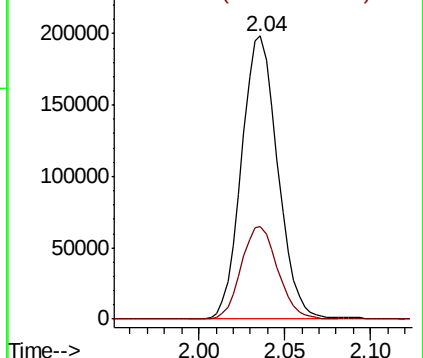
50 100

52 33.0 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 48.411 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN063329.D

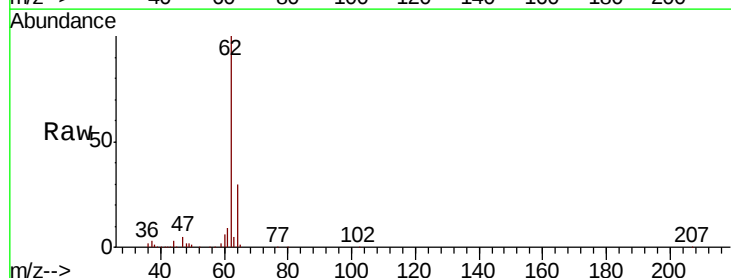
Acq: 11 Sep 2020 21:06

Tgt Ion: 62 Resp: 301593

Ion Ratio Lower Upper

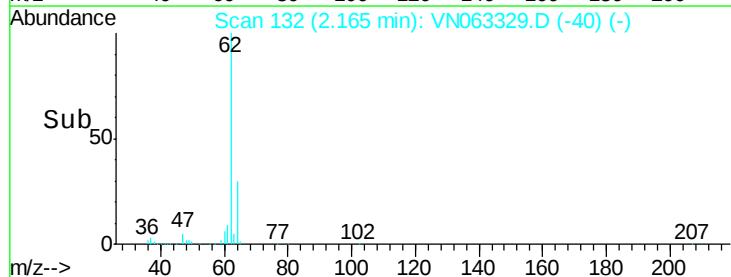
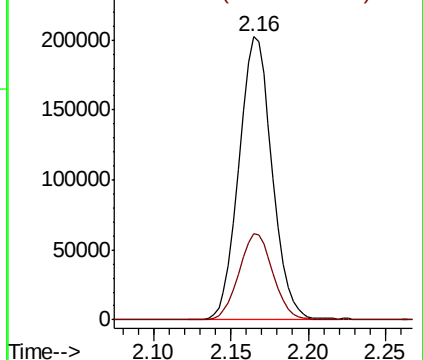
62 100

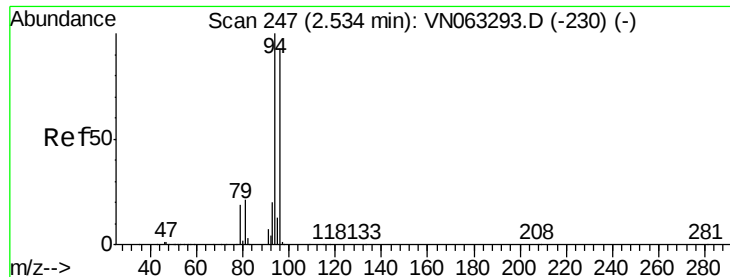
64 30.3 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 47.659 ug/l

RT: 2.53 min Scan# 246

Delta R.T. -0.00 min

Lab File: VN063329.D

Acq: 11 Sep 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

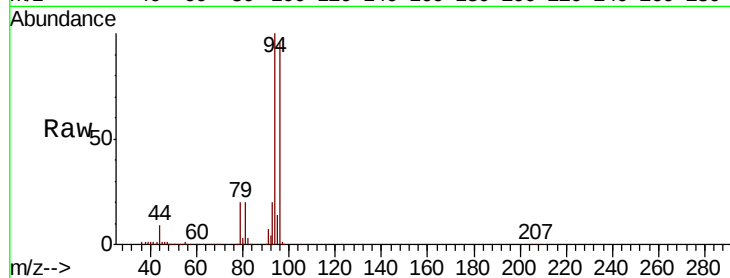
VSTDCCC050EC

Tot Ion: 94 Resp: 207147

Ion Ratio Lower Upper

94 100

96 95.9 74.3 111.5



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

120000

100000

80000

60000

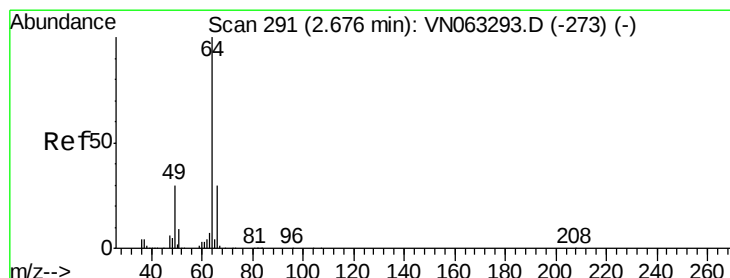
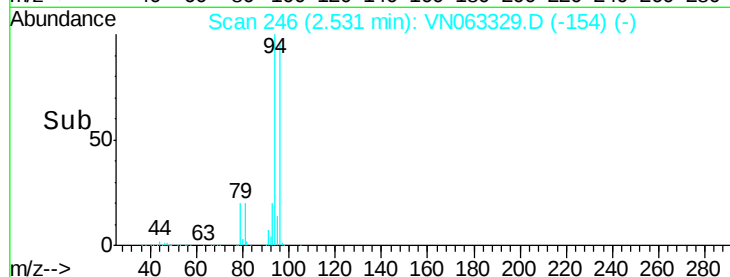
40000

20000

0

2.45 2.50 2.55 2.60 2.65

Time-->



#6

Chloroethane

Concen: 48.183 ug/l

RT: 2.67 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN063329.D

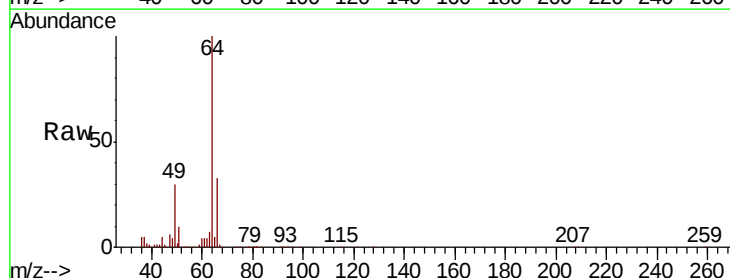
Acq: 11 Sep 2020 21:06

Tgt Ion: 64 Resp: 196358

Ion Ratio Lower Upper

64 100

66 33.2 23.8 35.6



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

100000

80000

60000

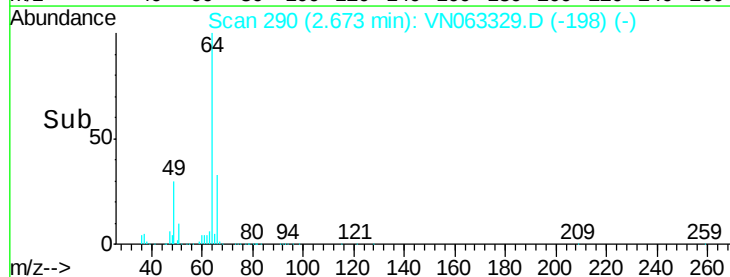
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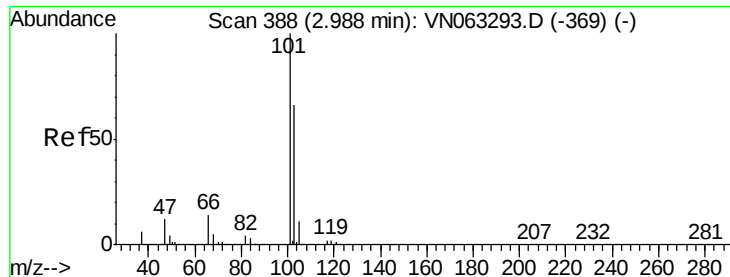
20000

0

2.60 2.70 2.80

Time-->



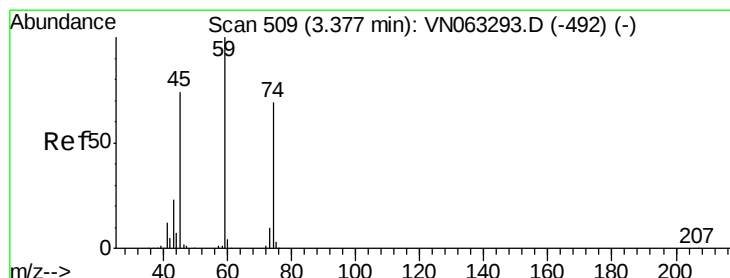
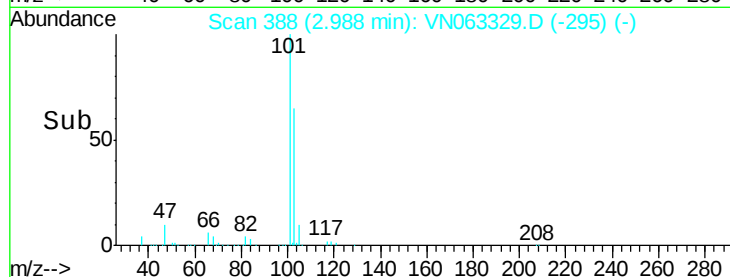
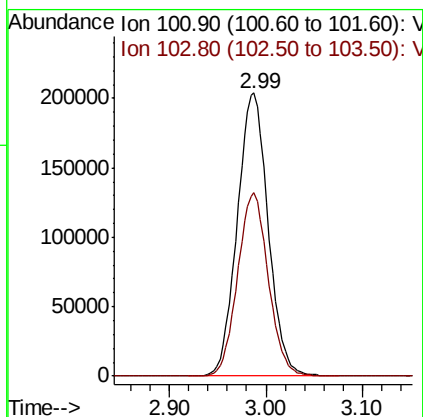
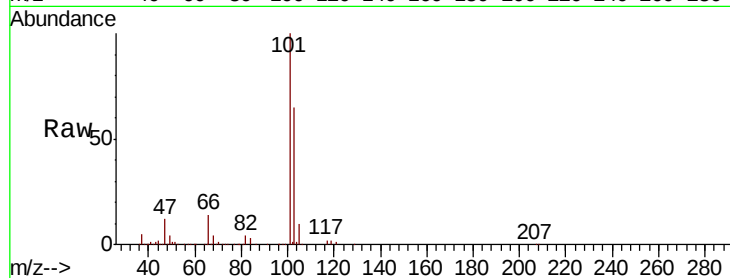


#7

Trichlorofluoromethane
 Concen: 46.982 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN063329.D
 Acq: 11 Sep 2020 21:06

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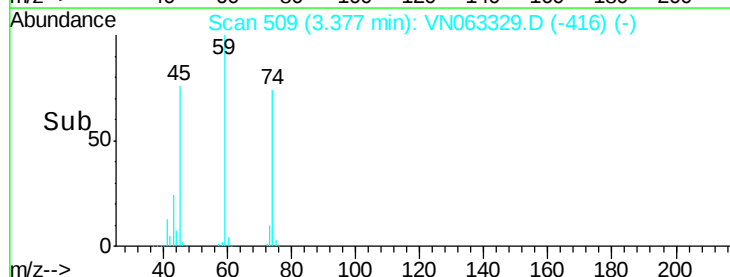
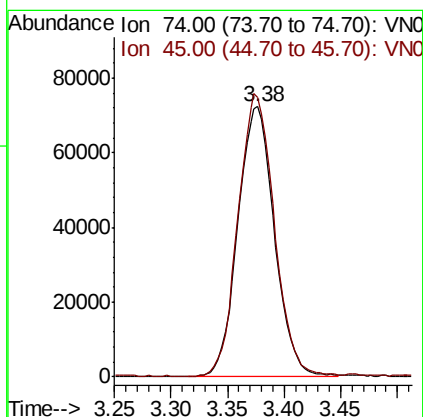
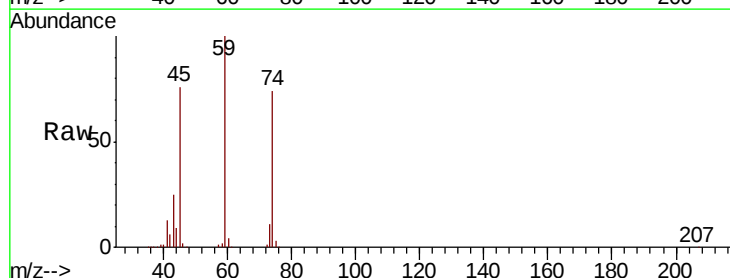
Tot Ion:101 Resp: 452617
 Ion Ratio Lower Upper
 101 100
 103 64.6 52.4 78.6

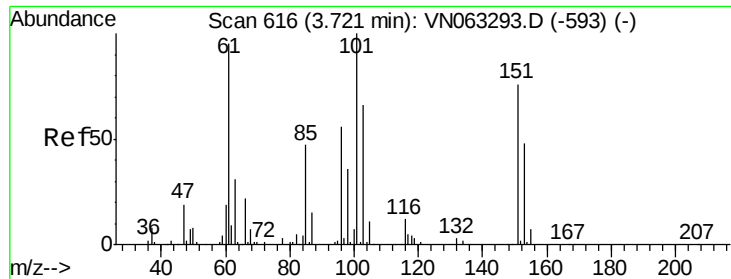


#8

Diethyl Ether
 Concen: 47.493 ug/l
 RT: 3.38 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN063329.D
 Acq: 11 Sep 2020 21:06

Tgt Ion: 74 Resp: 163146
 Ion Ratio Lower Upper
 74 100
 45 103.1 52.7 158.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.181 ug/l

RT: 3.72 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN063329.D

Acq: 11 Sep 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

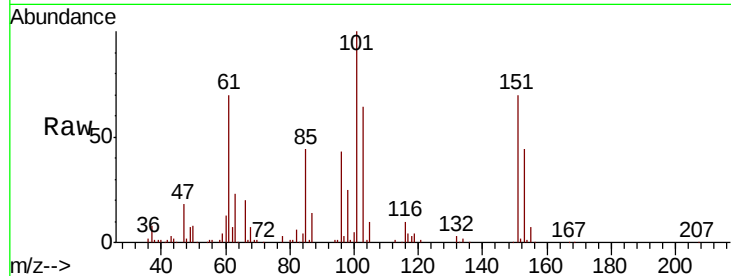
Tot Ion:101 Resp: 232441

Ion Ratio Lower Upper

101 100

85 45.4 36.9 55.3

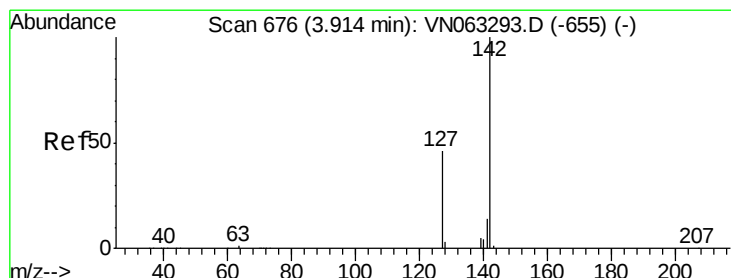
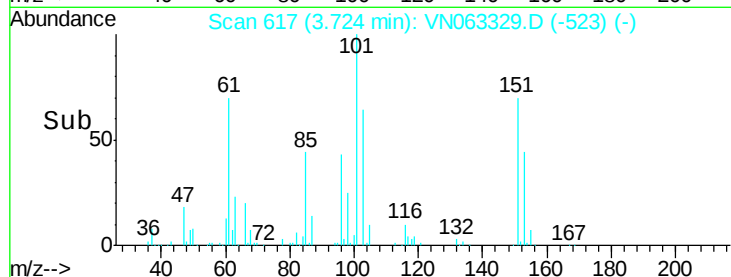
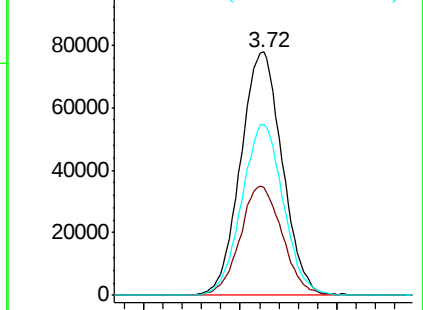
151 70.4 57.8 86.8



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: 49.854 ug/l

RT: 3.91 min Scan# 676

Delta R.T. -0.00 min

Lab File: VN063329.D

Acq: 11 Sep 2020 21:06

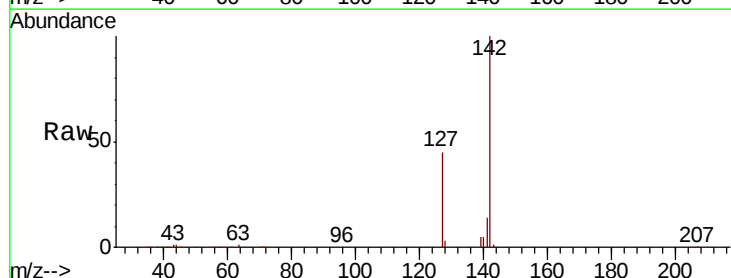
Tgt Ion:142 Resp: 325282

Ion Ratio Lower Upper

142 100

127 46.7 37.1 55.7

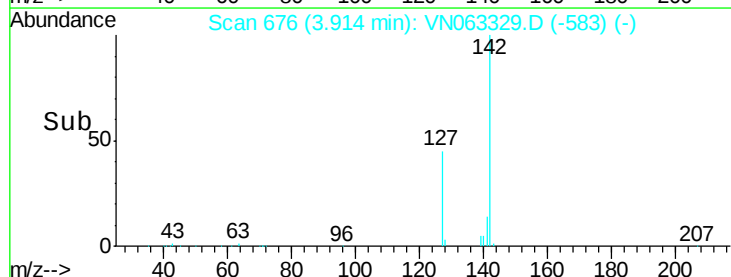
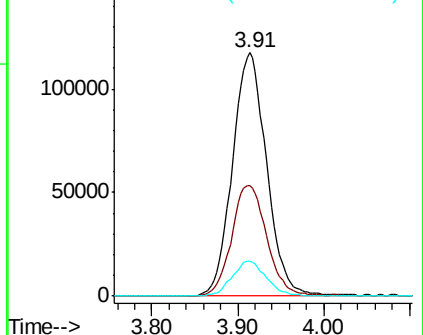
141 14.3 11.6 17.4

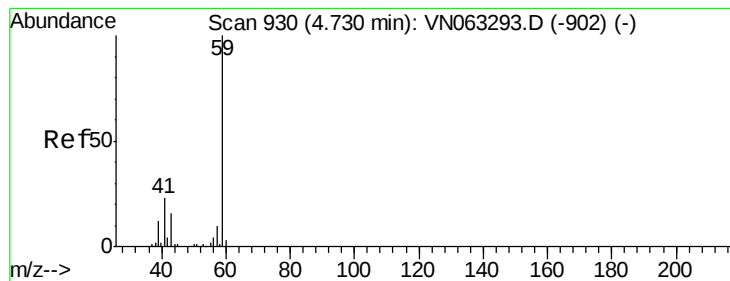


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 238.916 ug/l

RT: 4.73 min Scan# 929

Delta R.T. -0.00 min

Lab File: VN063329.D

Acq: 11 Sep 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

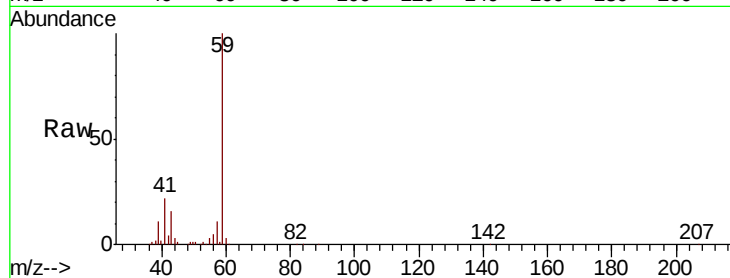
VSTDCCC050EC

Tot Ion: 59 Resp: 227546

Ion Ratio Lower Upper

59 100

57 11.1 8.3 12.5



Abundance Ion 59.00 (58.70 to 59.70): VN063329.D (-902) (-)

Ion 57.00 (56.70 to 57.70): VN063329.D (-902) (-)

4.73

60000

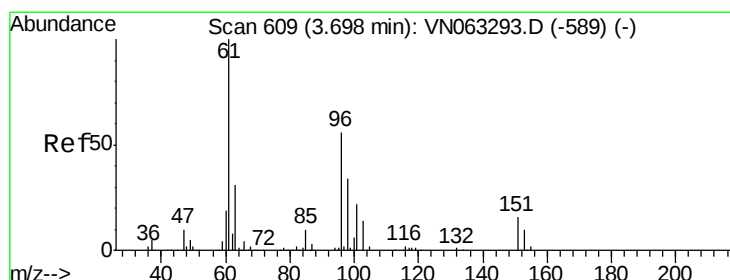
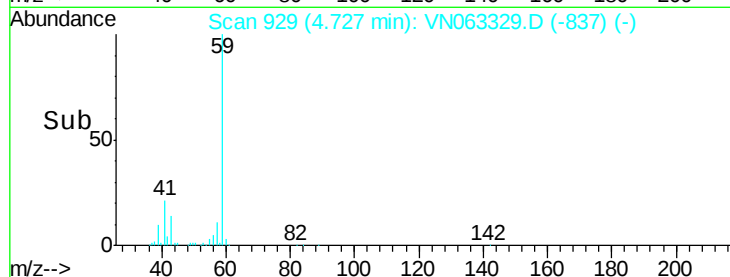
40000

20000

0

Time-->

4.60 4.70 4.80



#12

1,1-Dichloroethene

Concen: 47.042 ug/l

RT: 3.70 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN063329.D

Acq: 11 Sep 2020 21:06

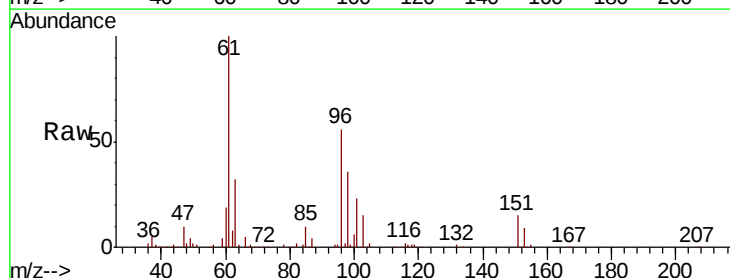
Tgt Ion: 96 Resp: 236353

Ion Ratio Lower Upper

96 100

61 177.4 142.1 213.1

98 63.5 48.8 73.2



Abundance Ion 95.90 (95.60 to 96.60): VN063329.D (-589) (-)

Ion 60.90 (60.60 to 61.60): VN063329.D (-589) (-)

Ion 97.90 (97.60 to 98.60): VN063329.D (-589) (-)

3.70

200000

150000

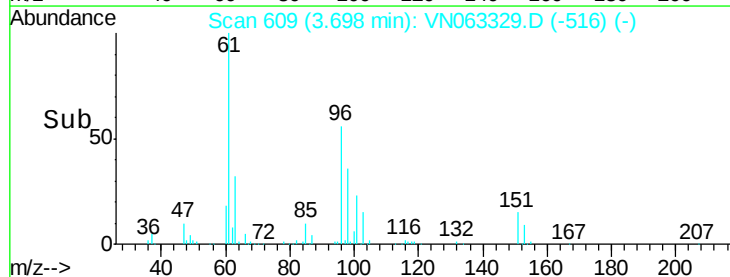
100000

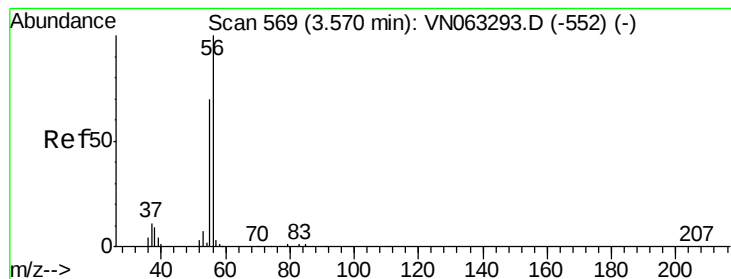
50000

0

Time-->

3.60 3.70 3.80





#13

Acrolein

Concen: 395.802 ug/l

RT: 3.57 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN063329.D

Acq: 11 Sep 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

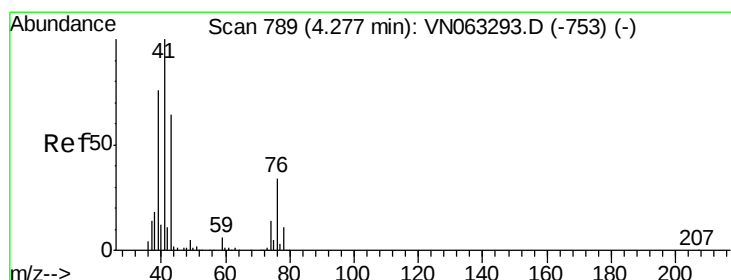
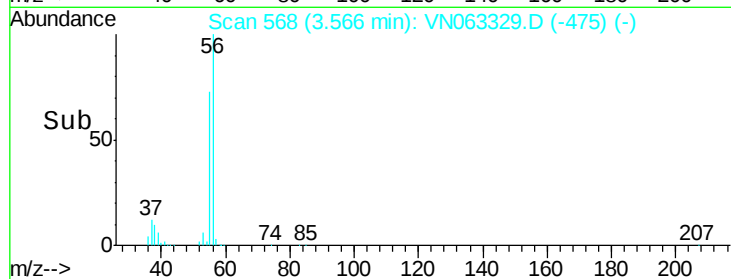
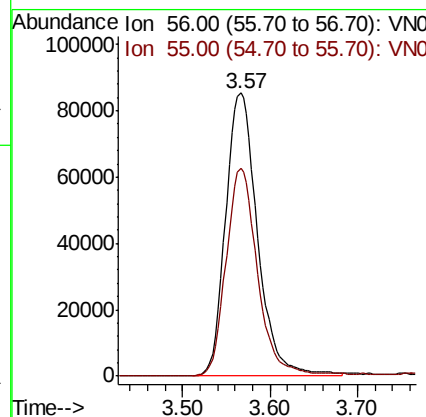
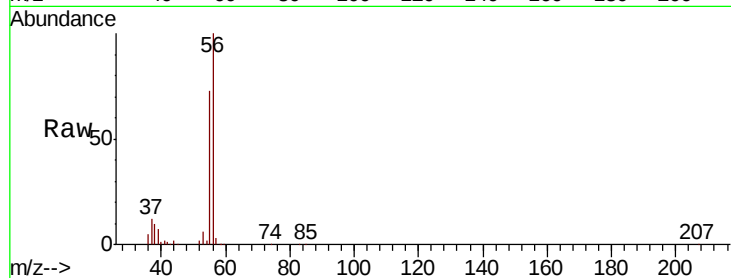
VSTDCCC050EC

Tot Ion: 56 Resp: 216792

Ion Ratio Lower Upper

56 100

55 72.1 57.2 85.8



#14

Allyl chloride

Concen: 44.335 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN063329.D

Acq: 11 Sep 2020 21:06

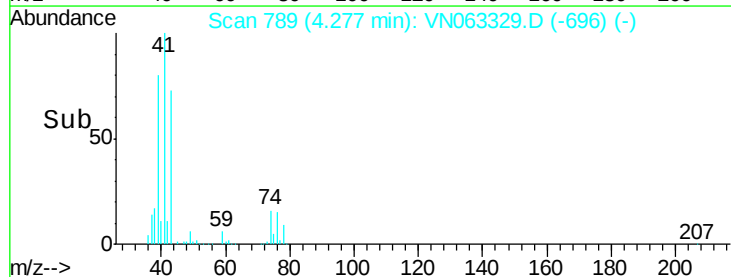
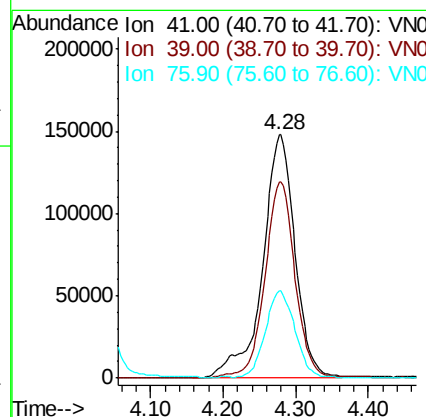
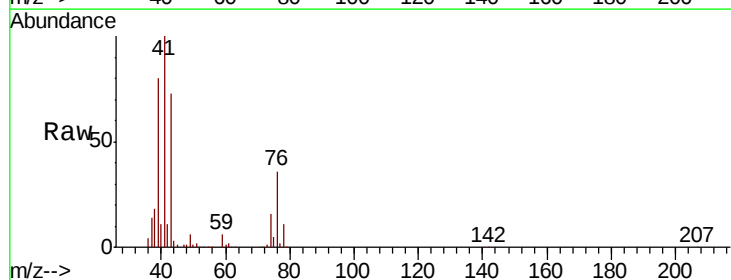
Tgt Ion: 41 Resp: 457281

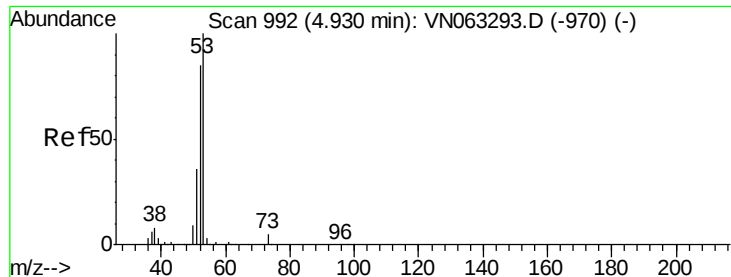
Ion Ratio Lower Upper

41 100

39 76.0 57.4 86.2

76 32.5 25.7 38.5





#15

Acrylonitrile

Concen: 249.586 ug/l

RT: 4.93 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN063329.D

Acq: 11 Sep 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

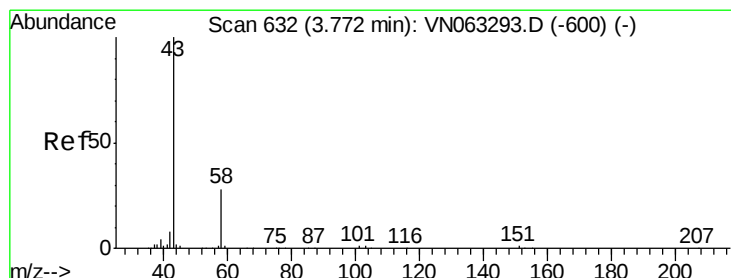
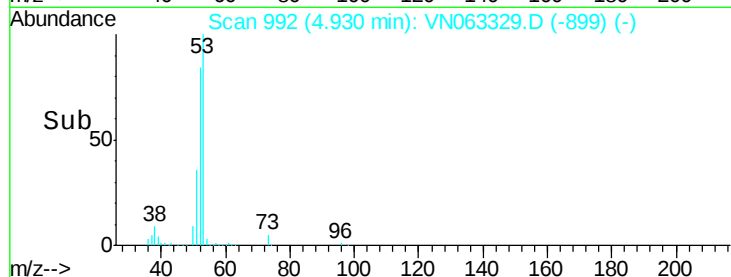
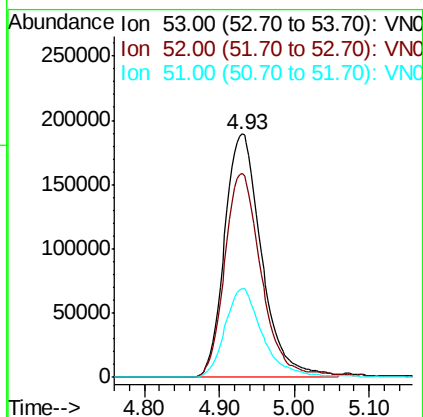
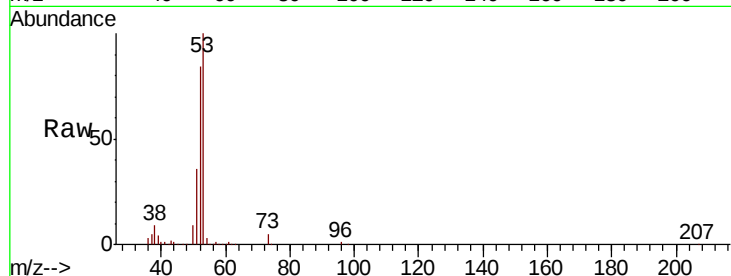
Tot Ion: 53 Resp: 649931

Ion Ratio Lower Upper

53 100

52 83.2 66.5 99.7

51 37.2 29.8 44.6



#16

Acetone

Concen: 225.501 ug/l

RT: 3.77 min Scan# 632

Delta R.T. -0.00 min

Lab File: VN063329.D

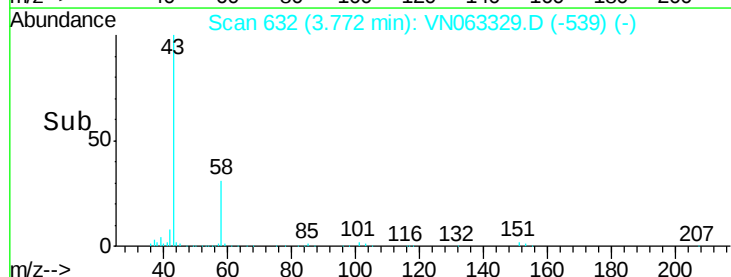
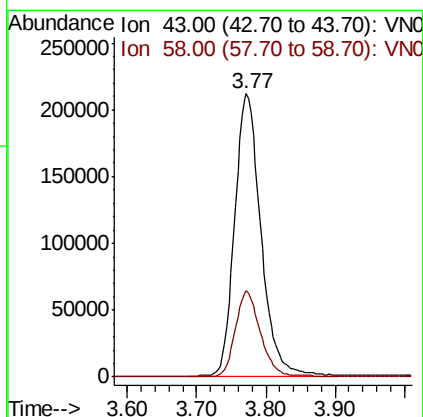
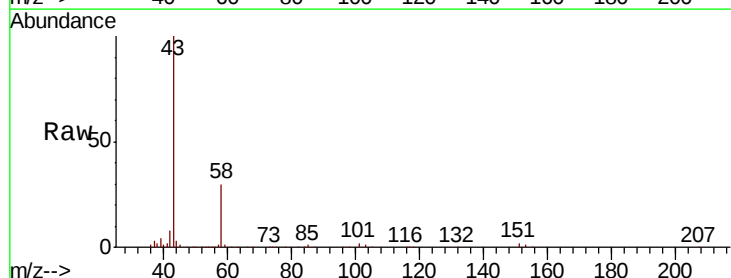
Acq: 11 Sep 2020 21:06

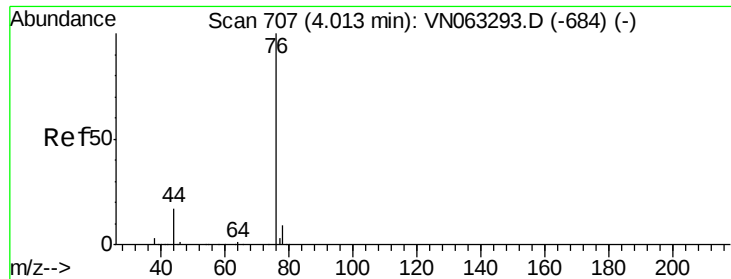
Tgt Ion: 43 Resp: 560917

Ion Ratio Lower Upper

43 100

58 30.4 22.6 34.0

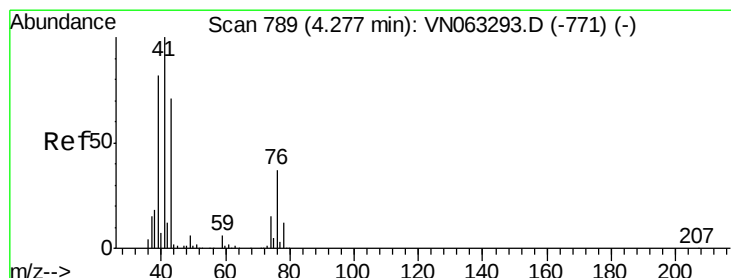
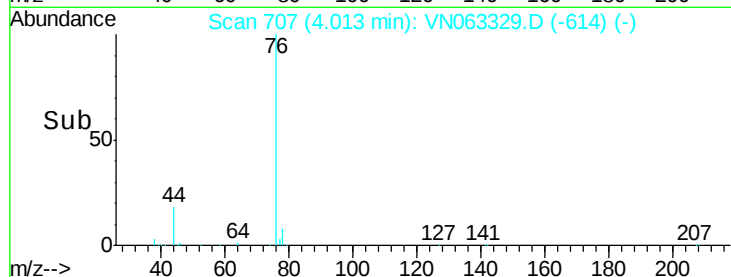
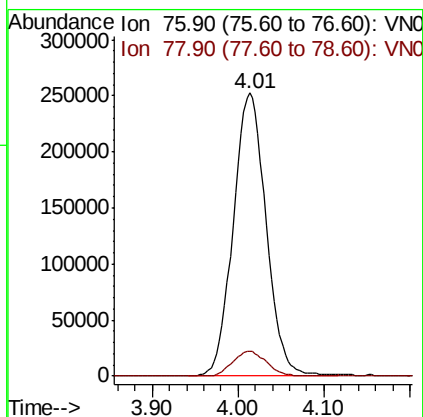
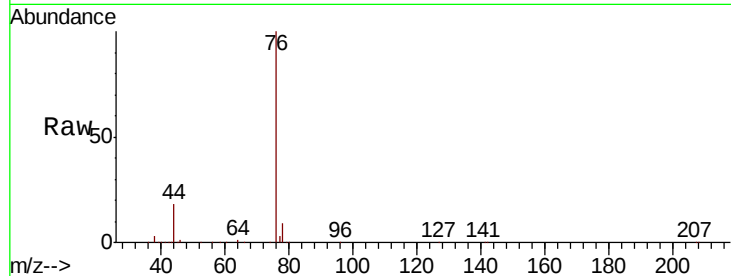




#17
Carbon Disulfide
Concen: 47.107 ug/l
RT: 4.01 min Scan# 707
Delta R.T. 0.00 min
Lab File: VN063329.D
Acq: 11 Sep 2020 21:06

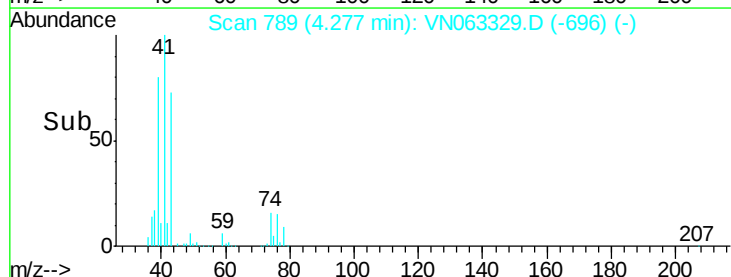
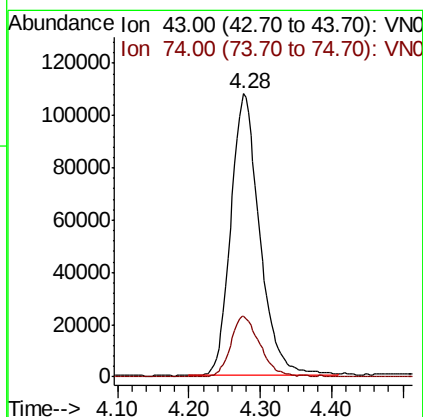
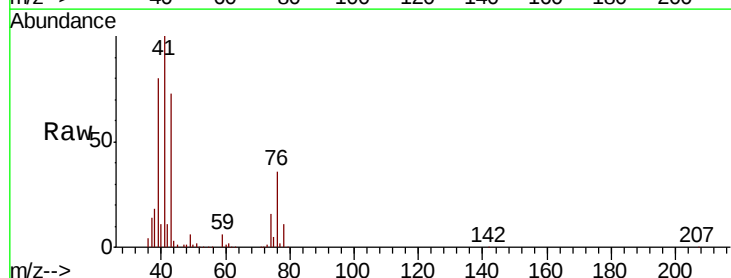
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

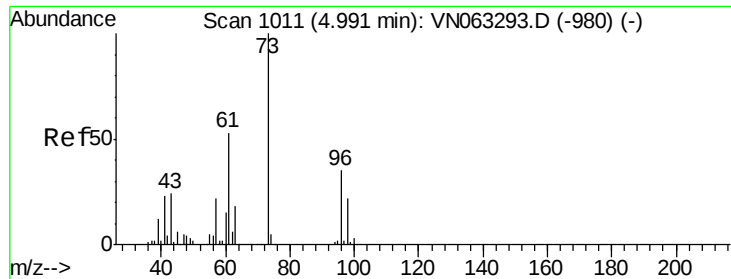
Tot Ion: 76 Resp: 670479
Ion Ratio Lower Upper
76 100
78 8.7 7.2 10.8



#18
Methyl Acetate
Concen: 48.945 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN063329.D
Acq: 11 Sep 2020 21:06

Tgt Ion: 43 Resp: 306048
Ion Ratio Lower Upper
43 100
74 21.5 17.8 26.6

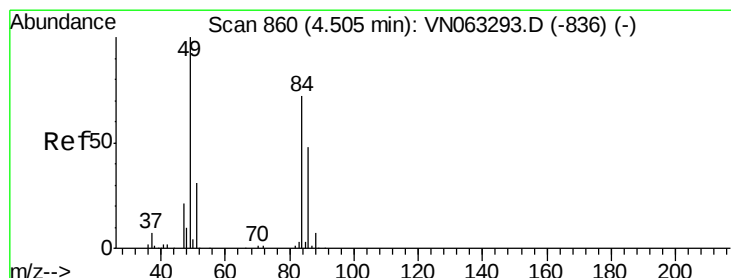
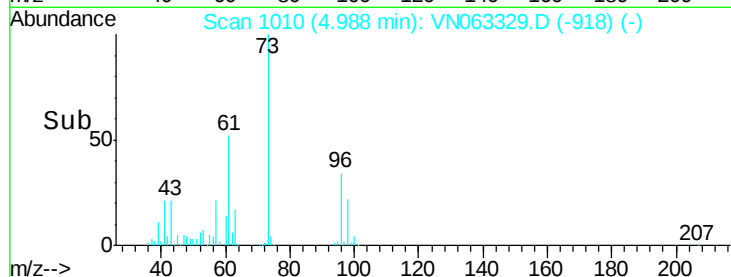
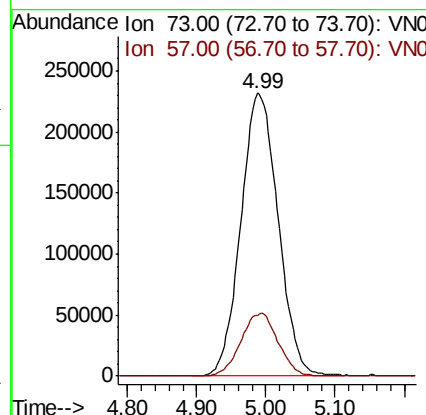
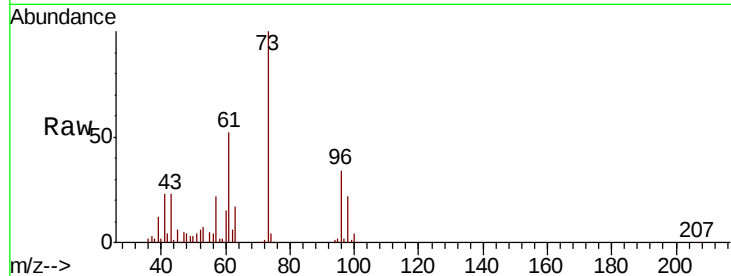




#19
Methyl tert-butyl Ether
Concen: 48.310 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN063329.D
Acq: 11 Sep 2020 21:06

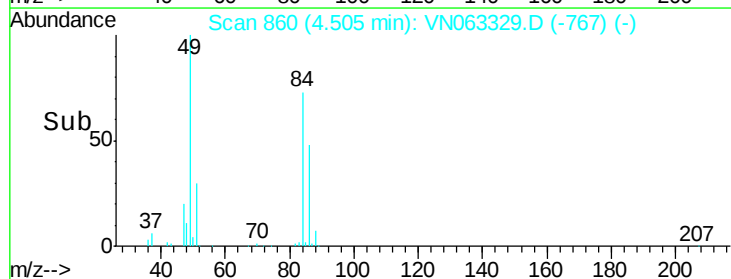
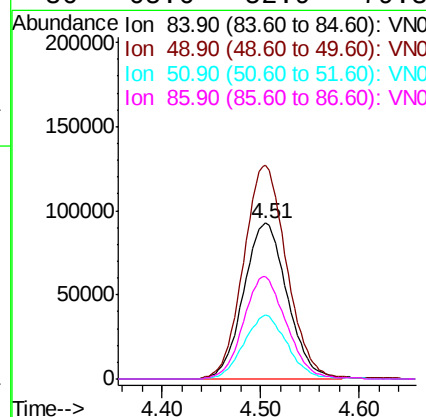
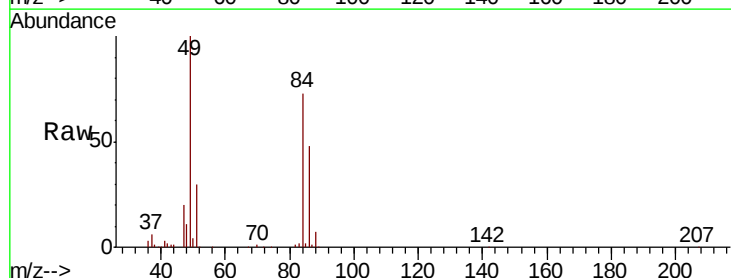
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

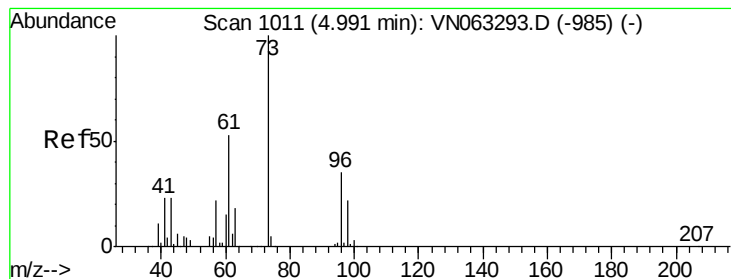
Tot Ion: 73 Resp: 867330
Ion Ratio Lower Upper
73 100
57 21.5 17.5 26.3



#20
Methylene Chloride
Concen: 50.107 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN063329.D
Acq: 11 Sep 2020 21:06

Tgt Ion: 84 Resp: 283748
Ion Ratio Lower Upper
84 100
49 136.9 111.1 166.7
51 40.7 34.3 51.5
86 65.6 52.9 79.3





#21

trans-1,2-Dichloroethene

Concen: 45.758 ug/l

RT: 4.99 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VN063329.D

Acq: 11 Sep 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

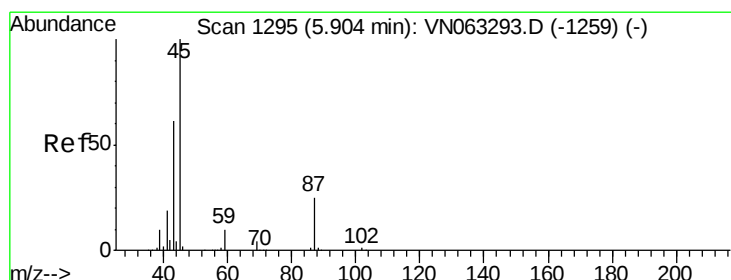
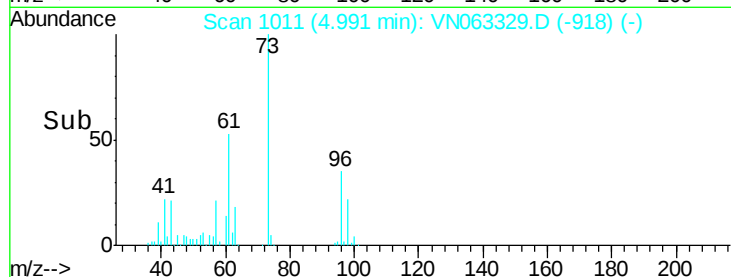
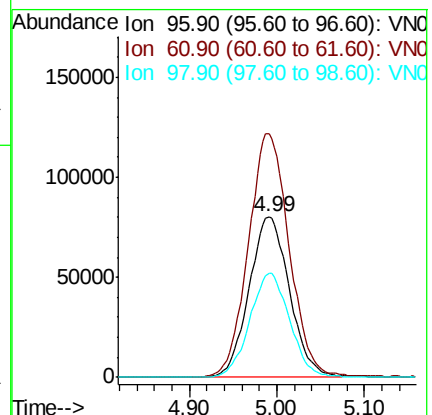
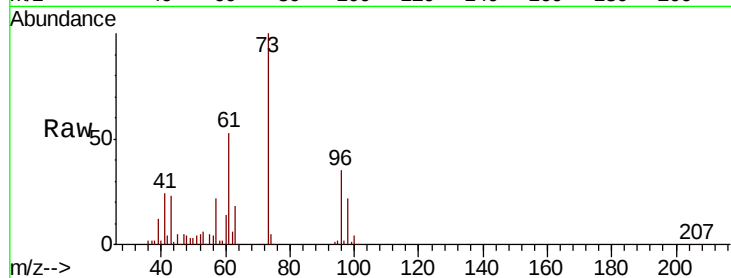
Tot Ion: 96 Resp: 257280

Ion Ratio Lower Upper

96 100

61 151.6 121.8 182.8

98 64.6 51.2 76.8



#22

Diisopropyl ether

Concen: 47.960 ug/l

RT: 5.90 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VN063329.D

Acq: 11 Sep 2020 21:06

Tgt Ion: 45 Resp: 973481

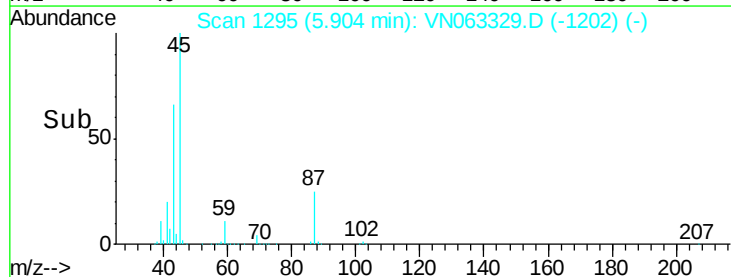
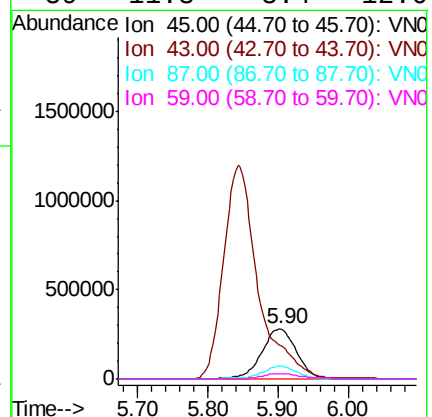
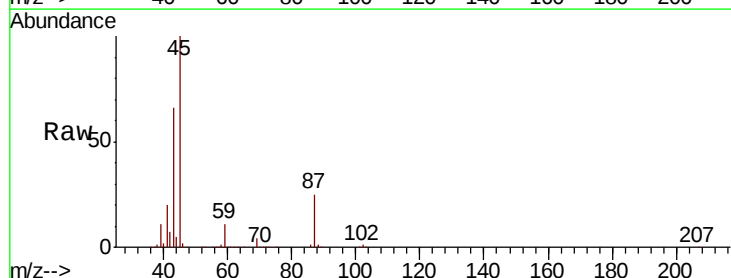
Ion Ratio Lower Upper

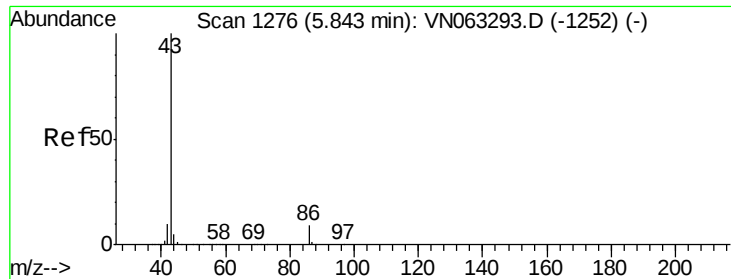
45 100

43 65.8 50.3 75.5

87 25.0 20.7 31.1

59 11.3 8.4 12.6





#23

Vinyl Acetate

Concen: 256.911 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VN063329.D

Acq: 11 Sep 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

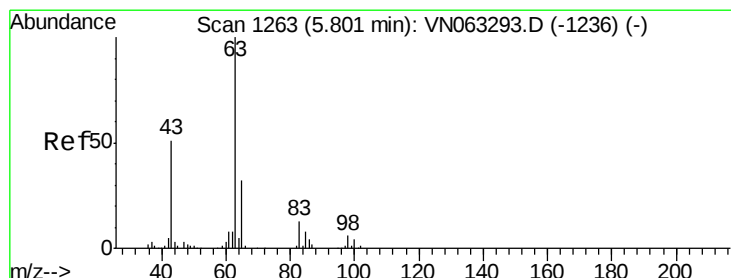
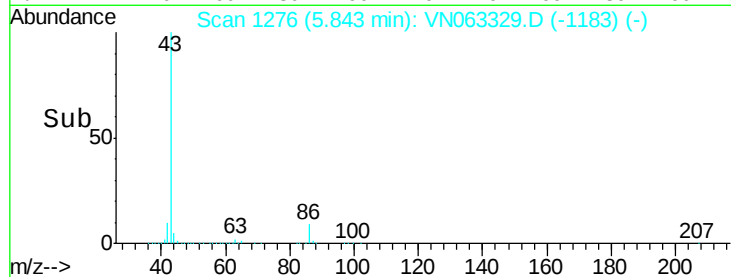
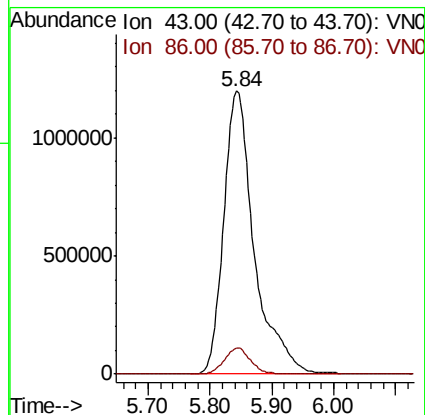
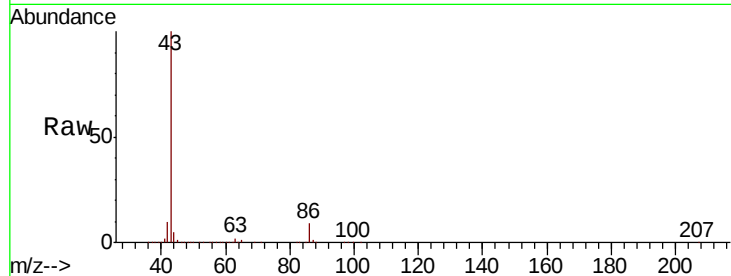
VSTDCCC050EC

Tot Ion: 43 Resp: 4104631

Ion Ratio Lower Upper

43 100

86 9.2 7.2 10.8



#24

1,1-Dichloroethane

Concen: 47.234 ug/l

RT: 5.80 min Scan# 1263

Delta R.T. -0.00 min

Lab File: VN063329.D

Acq: 11 Sep 2020 21:06

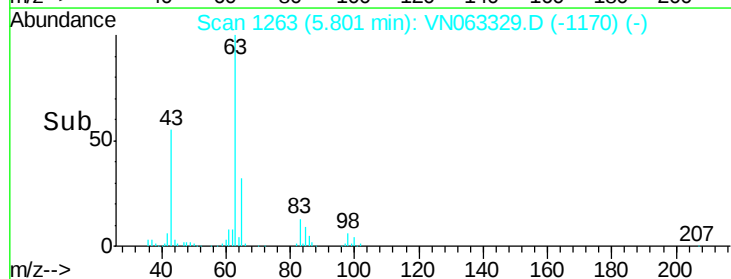
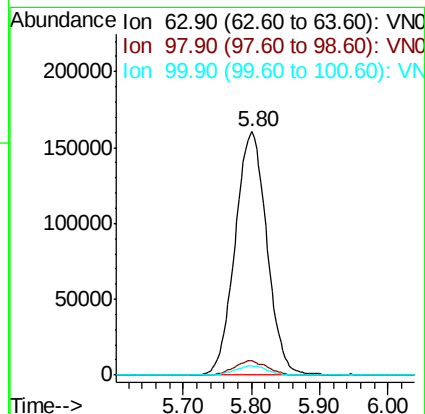
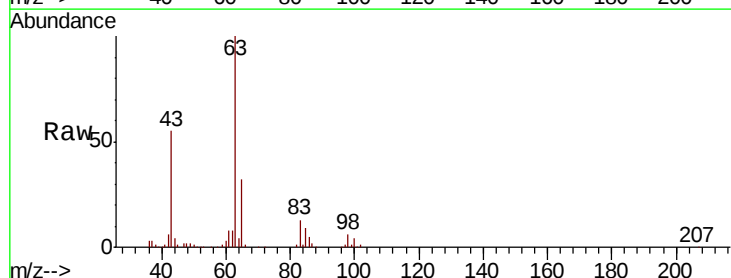
Tgt Ion: 63 Resp: 519204

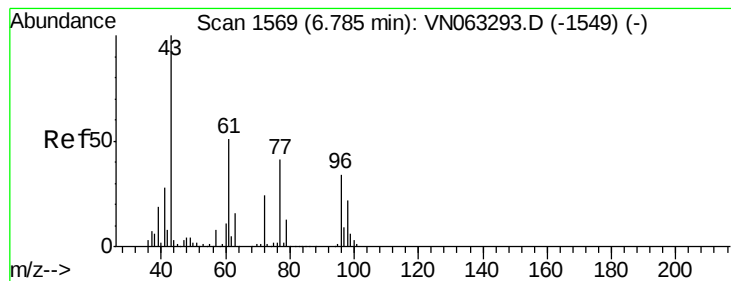
Ion Ratio Lower Upper

63 100

98 5.7 3.1 9.3

100 3.6 2.0 6.0





#25

2-Butanone

Concen: 244.956 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VN063329.D

Acq: 11 Sep 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

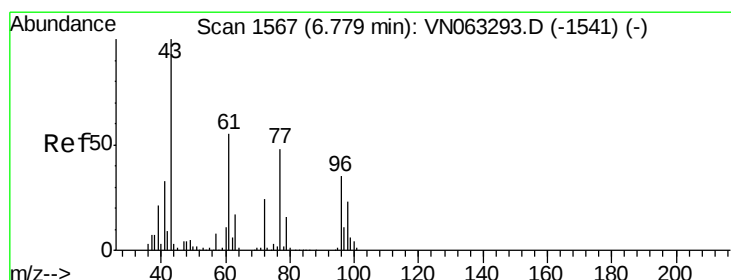
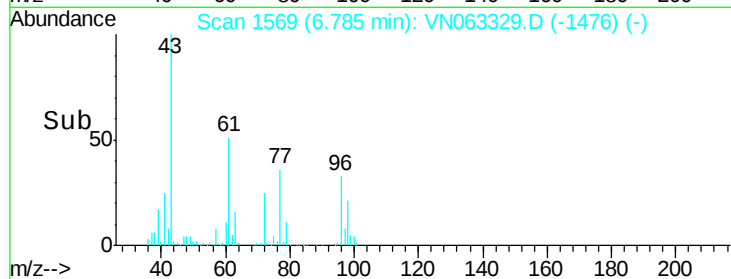
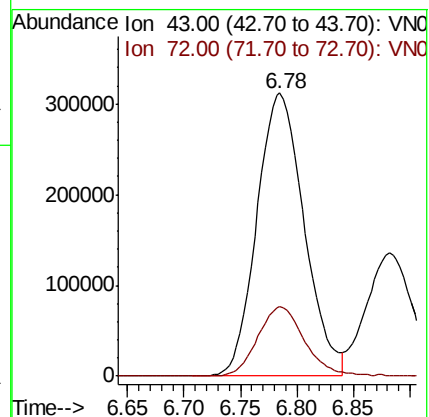
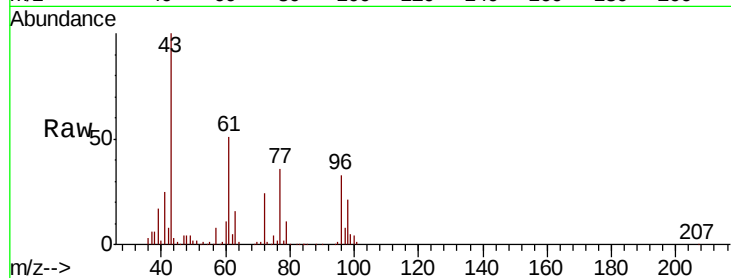
VSTDCCC050EC

Tot Ion: 43 Resp: 900061

Ion Ratio Lower Upper

43 100

72 24.5 19.4 29.2



#26

2,2-Dichloropropane

Concen: 40.220 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN063329.D

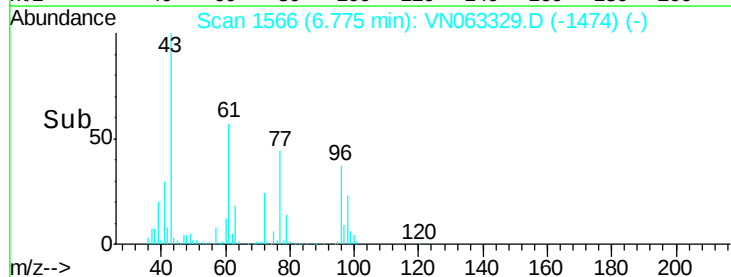
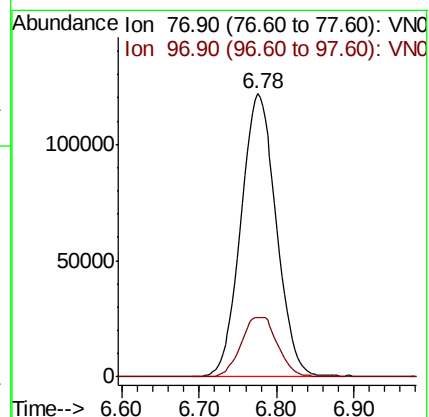
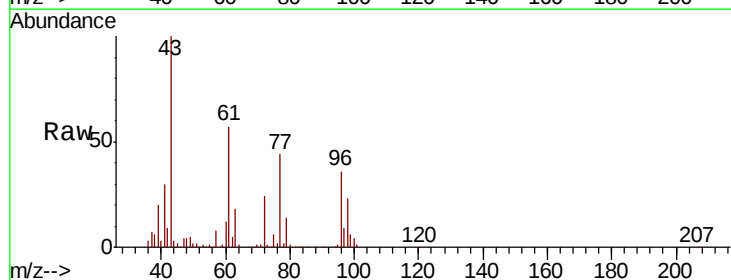
Acq: 11 Sep 2020 21:06

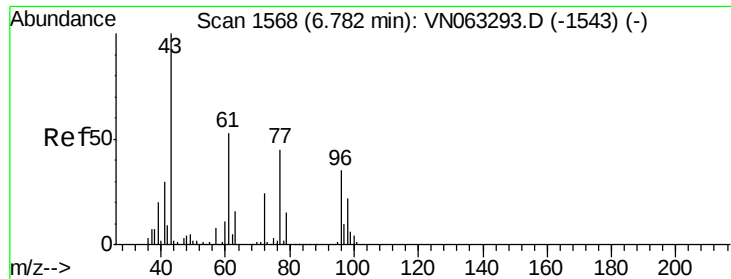
Tgt Ion: 77 Resp: 387492

Ion Ratio Lower Upper

77 100

97 21.9 10.9 32.6

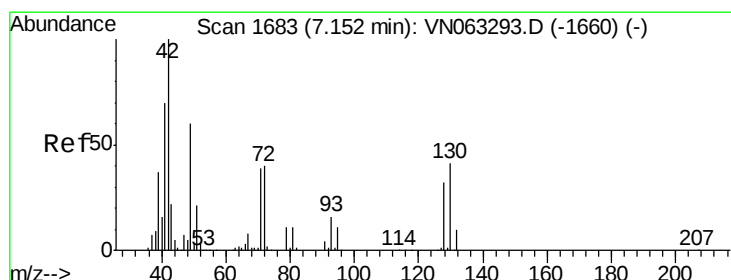
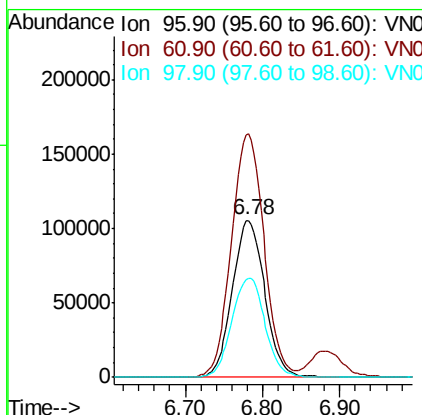
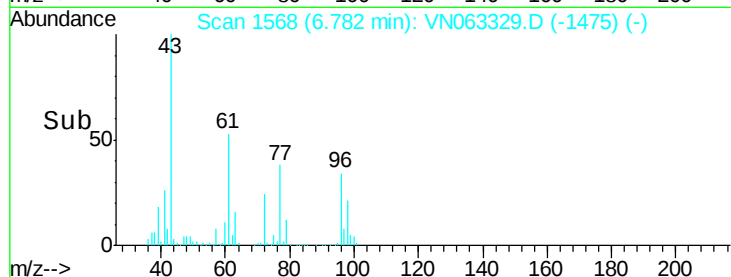
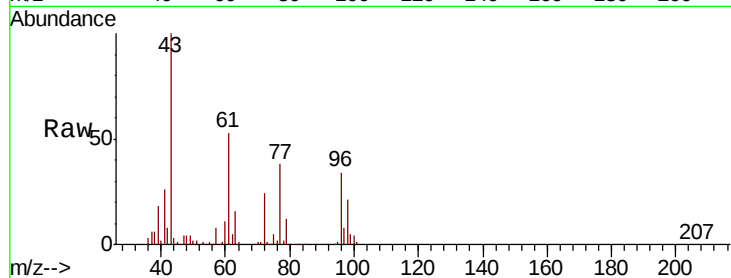




#27
 cis-1,2-Dichloroethene
 Concen: 46.915 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN063329.D
 Acq: 11 Sep 2020 21:06

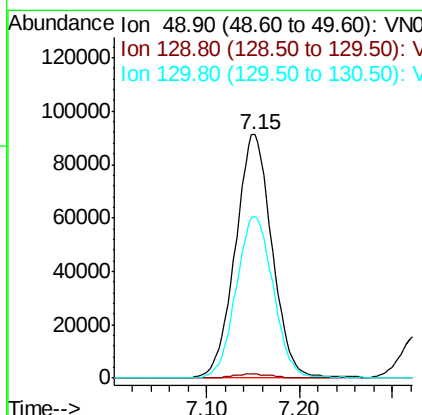
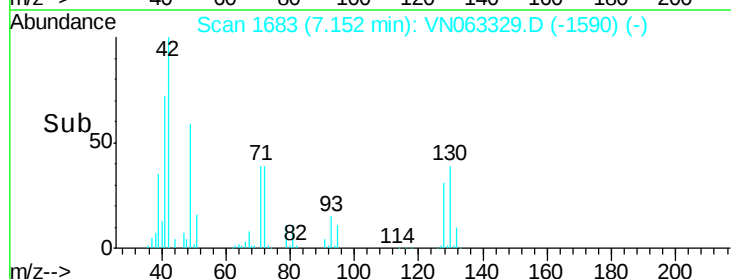
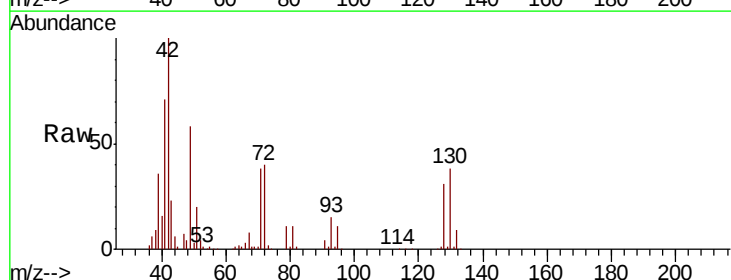
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

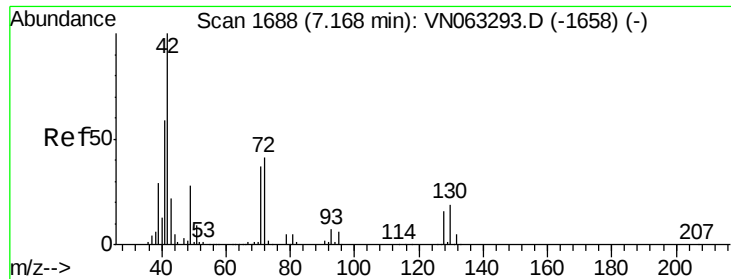
Tot Ion: 96 Resp: 307423
 Ion Ratio Lower Upper
 96 100
 61 155.8 0.0 322.8
 98 64.5 0.0 132.2



#28
 Bromochloromethane
 Concen: 46.773 ug/l
 RT: 7.15 min Scan# 1683
 Delta R.T. -0.00 min
 Lab File: VN063329.D
 Acq: 11 Sep 2020 21:06

Tgt Ion: 49 Resp: 249307
 Ion Ratio Lower Upper
 49 100
 129 1.8 0.0 3.4
 130 67.1 53.1 79.7

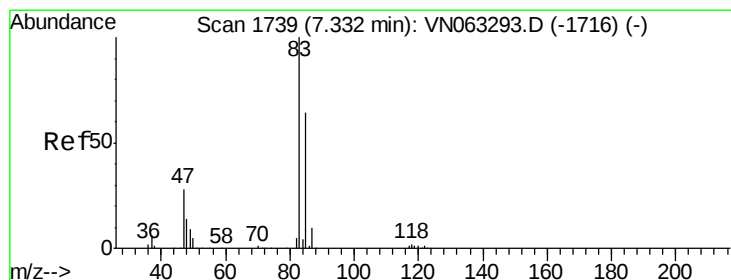
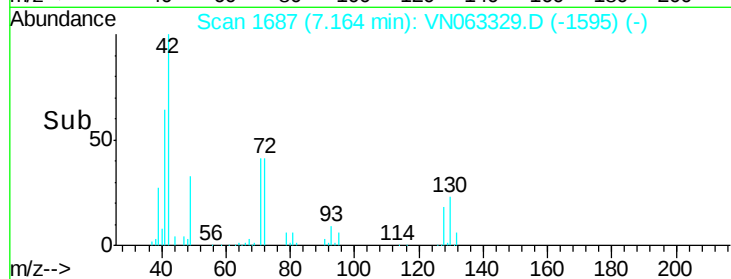
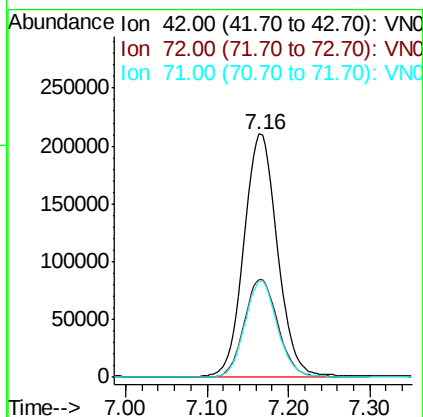
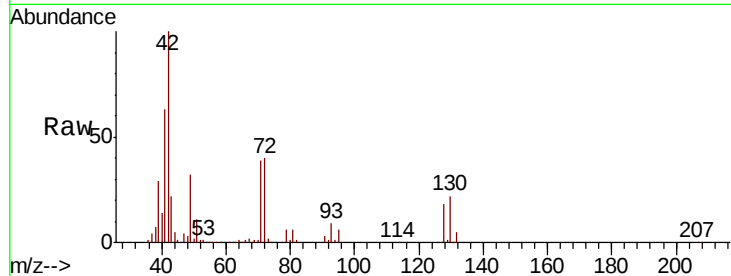




#29
Tetrahydrofuran
Concen: 248.790 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN063329.D
Acq: 11 Sep 2020 21:06

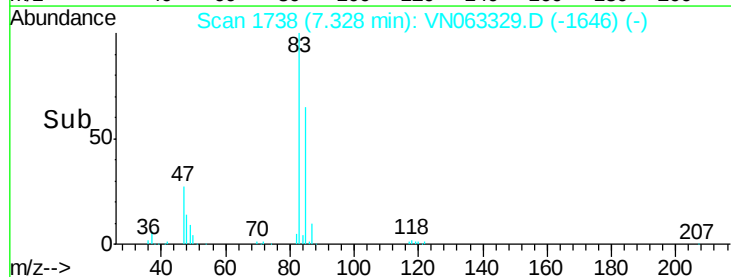
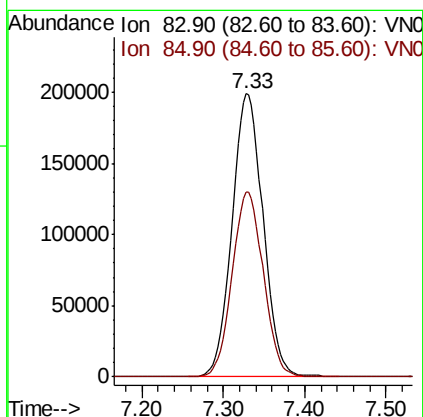
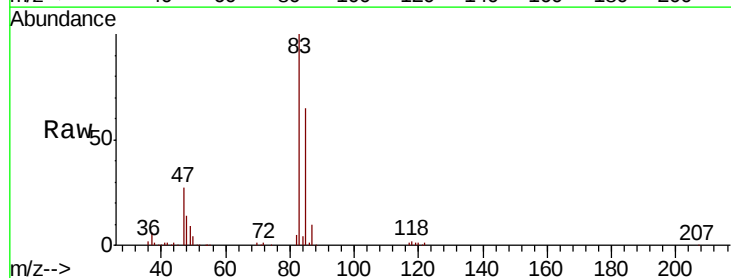
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

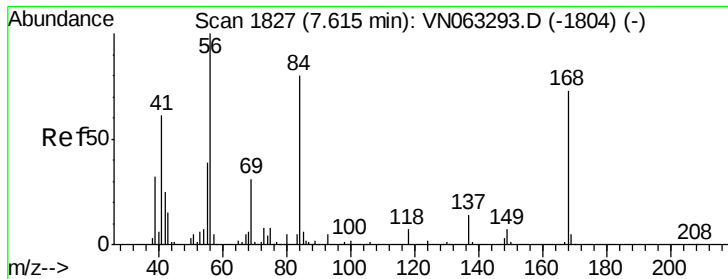
Tot Ion: 42 Resp: 595237
Ion Ratio Lower Upper
42 100
72 40.6 31.4 47.2
71 38.6 30.0 45.0



#30
Chloroform
Concen: 47.942 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN063329.D
Acq: 11 Sep 2020 21:06

Tgt Ion: 83 Resp: 527638
Ion Ratio Lower Upper
83 100
85 65.4 51.2 76.8

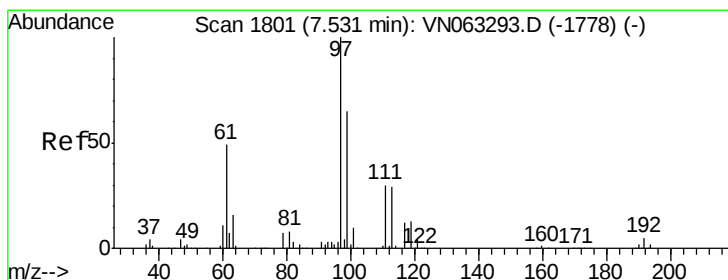
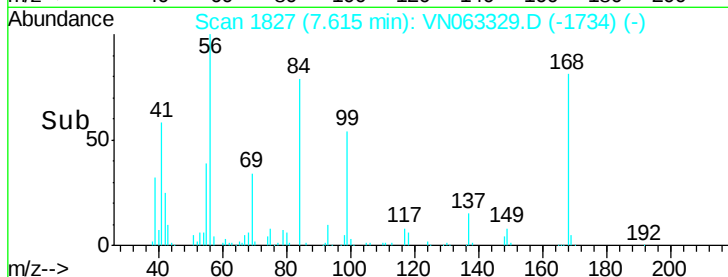
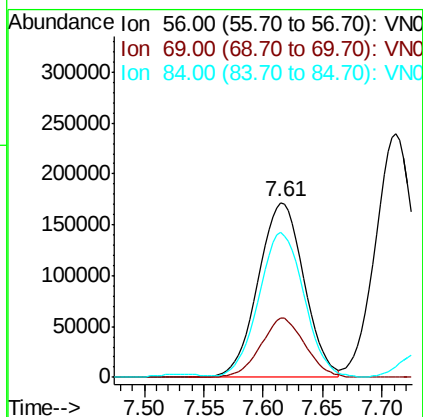
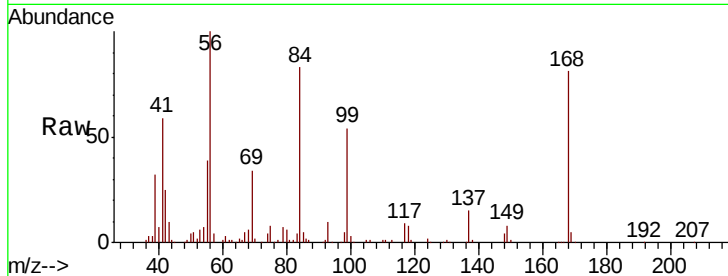




#31
Cyclohexane
Concen: 45.392 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN063329.D
Acq: 11 Sep 2020 21:06

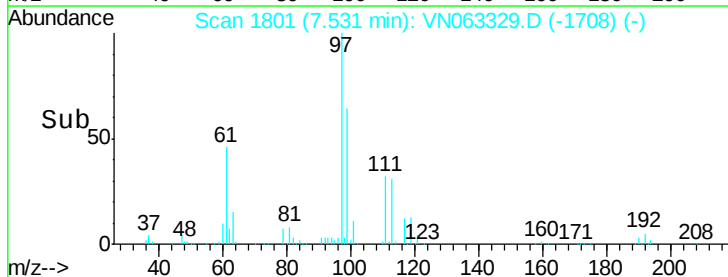
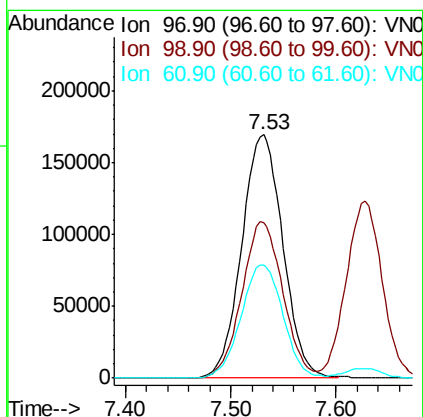
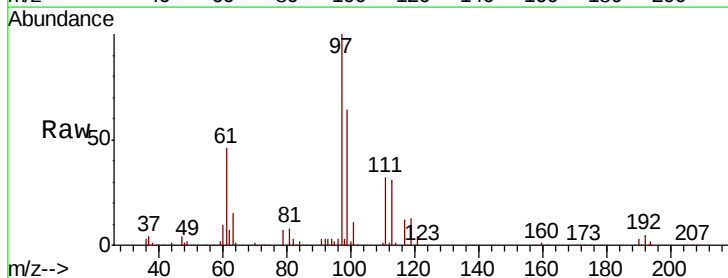
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

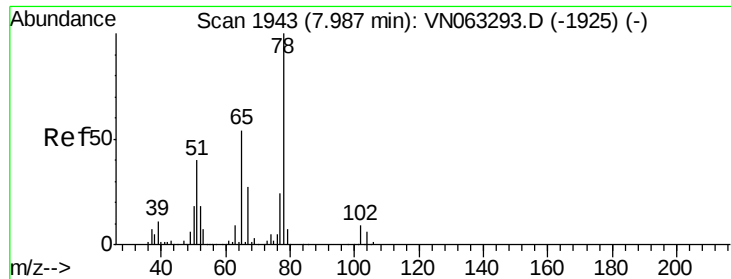
Tot Ion: 56 Resp: 458611
Ion Ratio Lower Upper
56 100
69 34.0 25.1 37.7
84 81.2 64.2 96.2



#32
1,1,1-Trichloroethane
Concen: 47.975 ug/l
RT: 7.53 min Scan# 1801
Delta R.T. 0.00 min
Lab File: VN063329.D
Acq: 11 Sep 2020 21:06

Tgt Ion: 97 Resp: 460278
Ion Ratio Lower Upper
97 100
99 63.7 51.4 77.2
61 47.4 38.9 58.3





#33

1,2-Dichloroethane-d4

Concen: 49.563 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN063329.D

Acq: 11 Sep 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

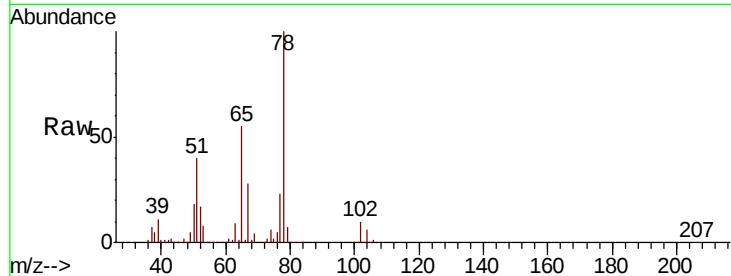
VSTDCCC050EC

Tot Ion: 65 Resp: 357030

Ion Ratio Lower Upper

65 100

67 51.0 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN063329.D (-1850) (-)

Ion 66.90 (66.60 to 67.60): VN063329.D (-1850) (-)

7.99

150000

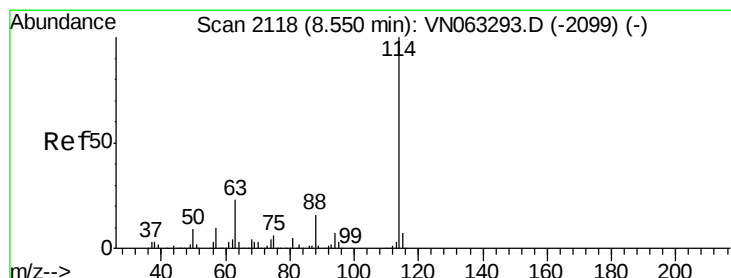
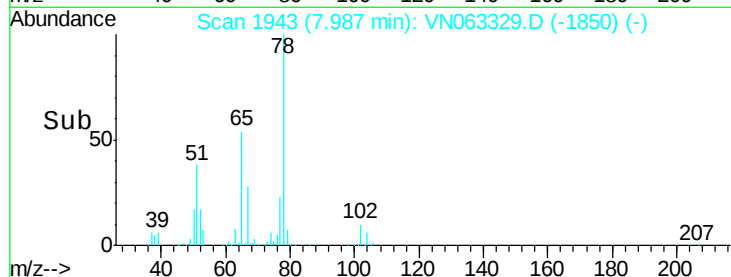
100000

50000

0

7.90 7.95 8.00 8.05

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN063329.D

Acq: 11 Sep 2020 21:06

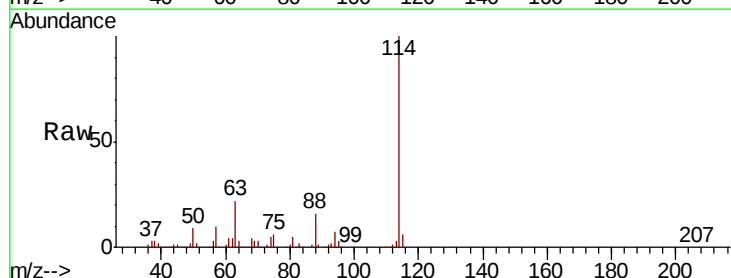
Tgt Ion: 114 Resp: 815517

Ion Ratio Lower Upper

114 100

63 22.1 0.0 46.0

88 16.4 0.0 32.8



Abundance Ion 113.90 (113.60 to 114.60): VN063329.D (-2025) (-)

Ion 63.00 (62.70 to 63.70): VN063329.D (-2025) (-)

Ion 87.90 (87.60 to 88.60): VN063329.D (-2025) (-)

8.55

500000

400000

300000

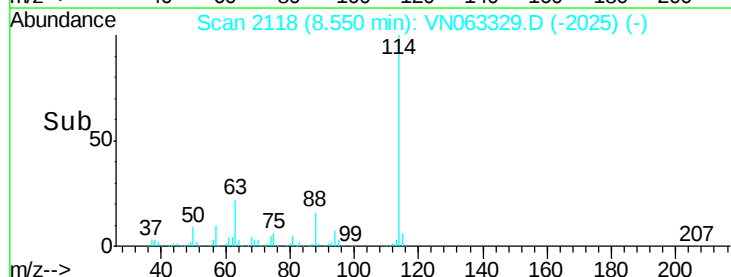
200000

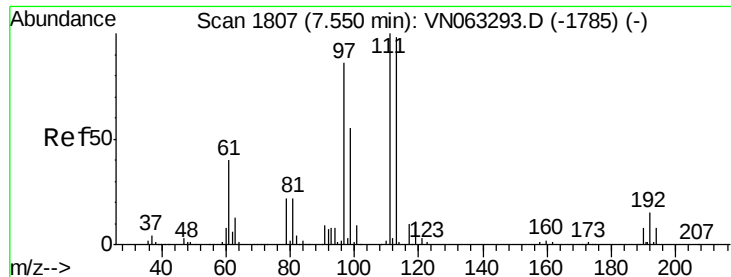
100000

0

8.45 8.50 8.55 8.60 8.65

Time-->

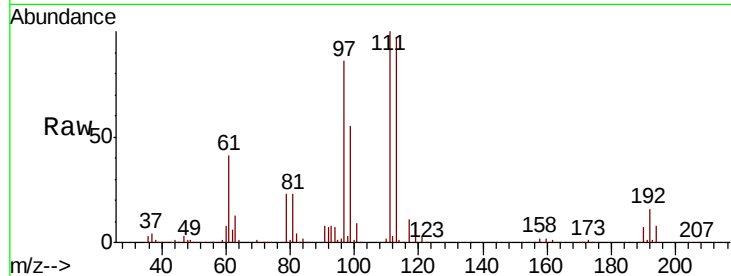




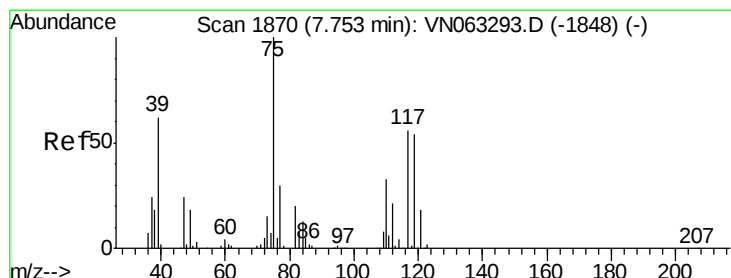
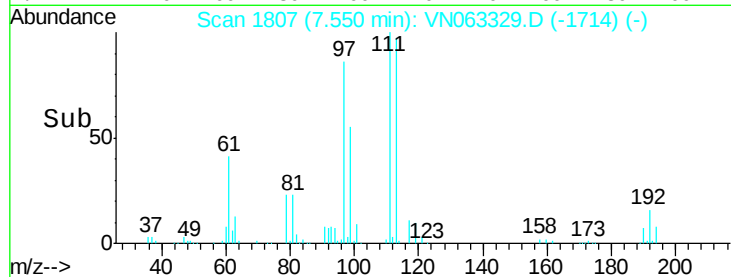
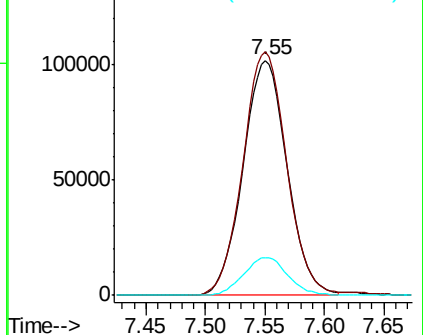
#35
 Dibromofluoromethane
 Concen: 49.621 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: VN063329.D
 Acq: 11 Sep 2020 21:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.2	123.2
192	16.2	12.9	19.3

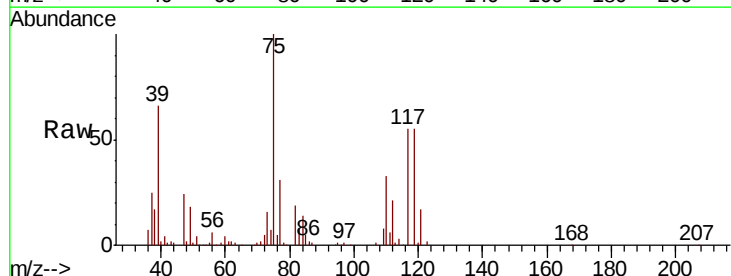


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

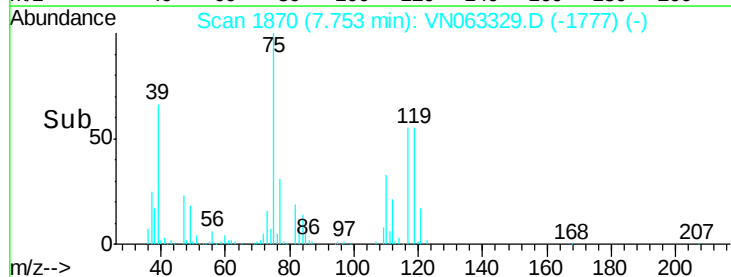
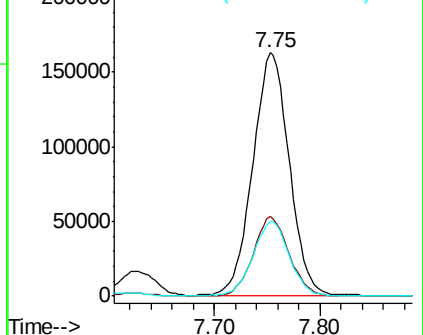


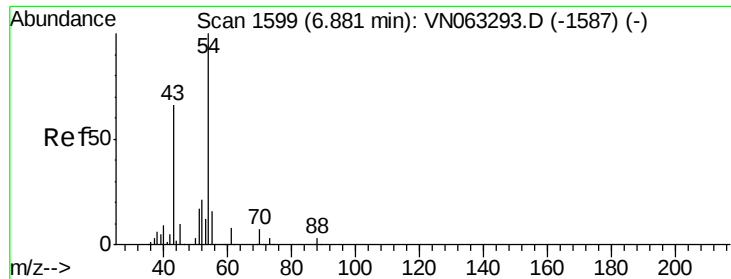
#36
 1,1-Dichloropropene
 Concen: 46.589 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN063329.D
 Acq: 11 Sep 2020 21:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.2	16.4	49.4
77	31.0	24.8	37.2



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

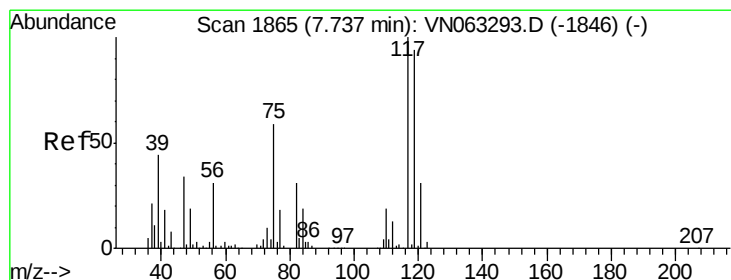
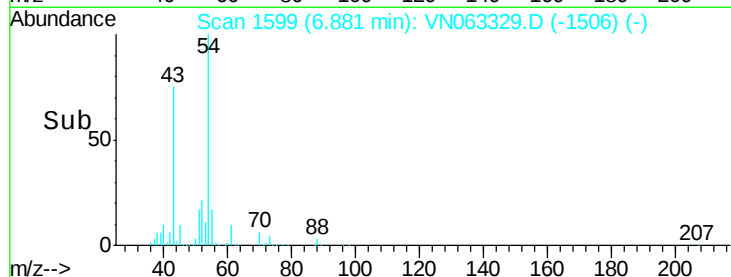
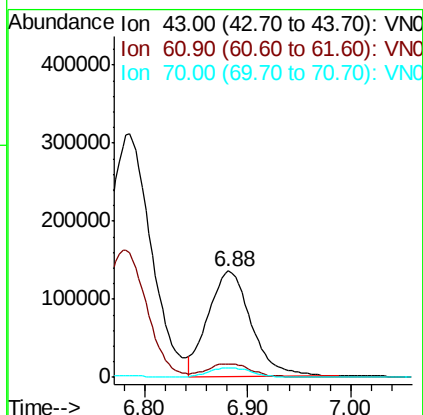
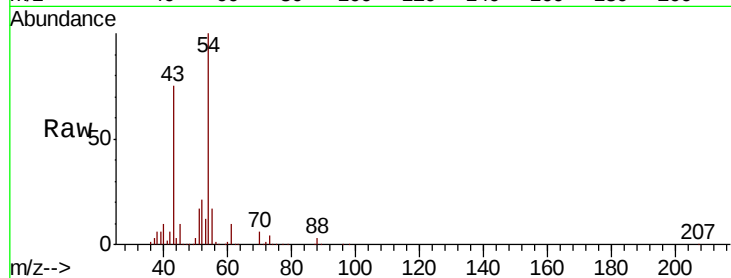




#37
Ethyl Acetate
Concen: 47.484 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN063329.D
Acq: 11 Sep 2020 21:06

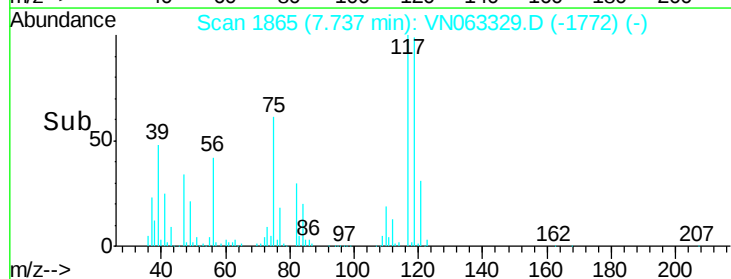
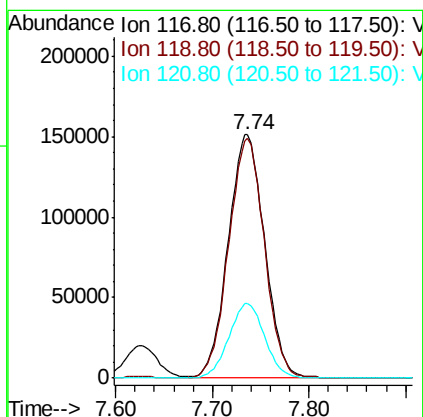
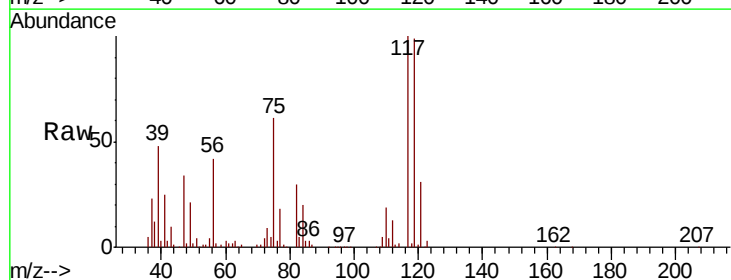
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

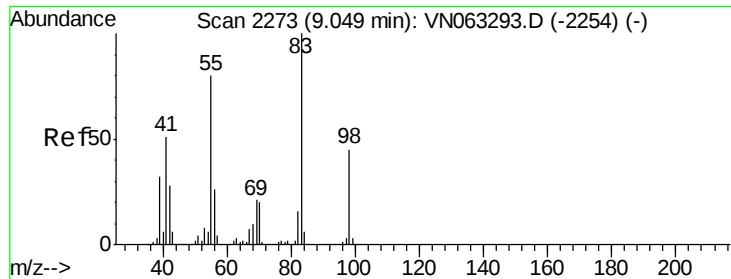
Tot Ion: 43 Resp: 391593
Ion Ratio Lower Upper
43 100
61 13.1 10.1 15.1
70 8.7 7.4 11.2



#38
Carbon Tetrachloride
Concen: 47.735 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN063329.D
Acq: 11 Sep 2020 21:06

Tgt Ion: 117 Resp: 393819
Ion Ratio Lower Upper
117 100
119 98.7 75.3 112.9
121 30.7 24.6 37.0

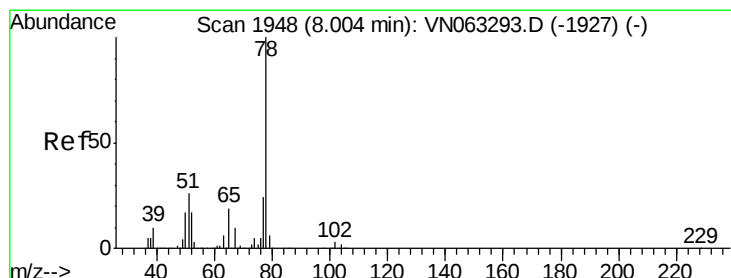
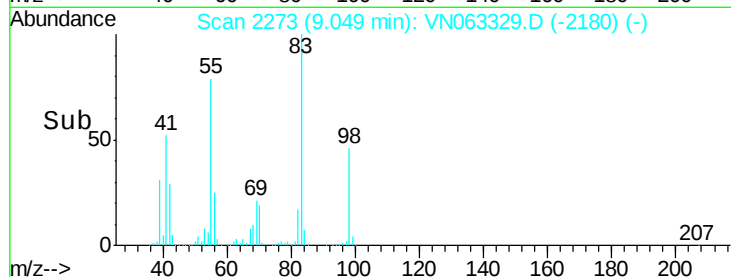
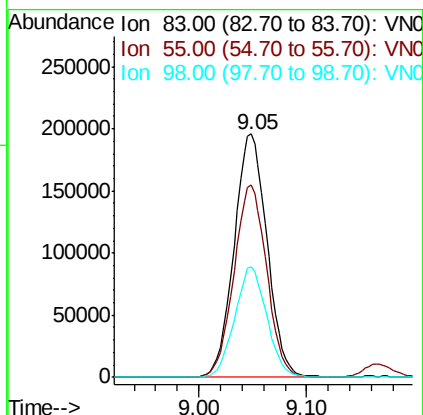
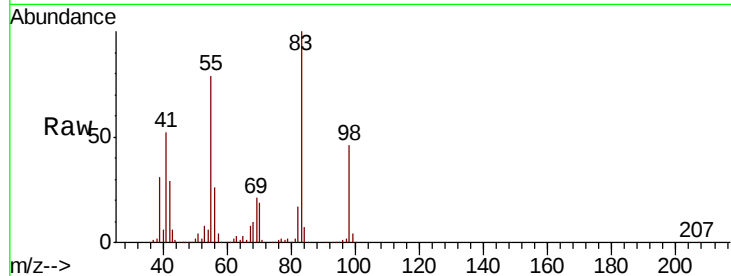




#39
Methvlcvclohexane
Concen: 45.562 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN063329.D
Acq: 11 Sep 2020 21:06

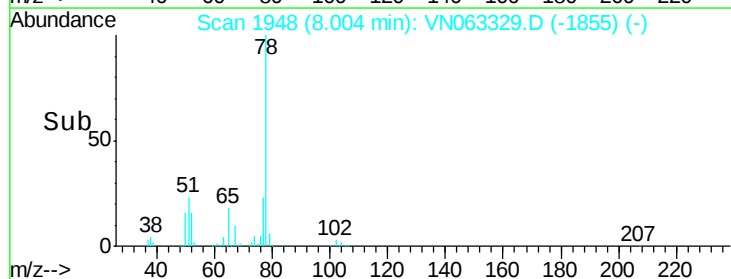
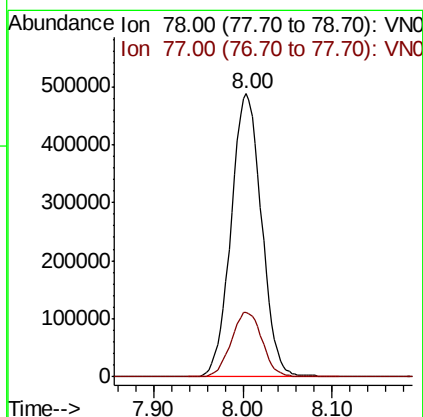
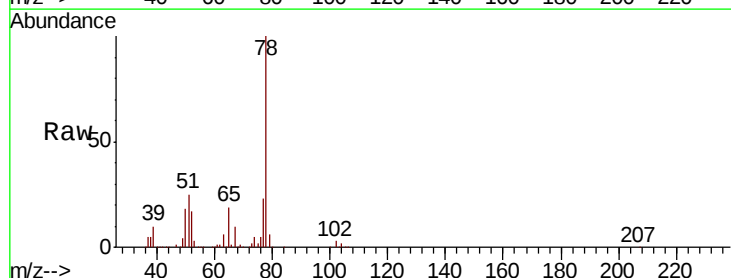
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

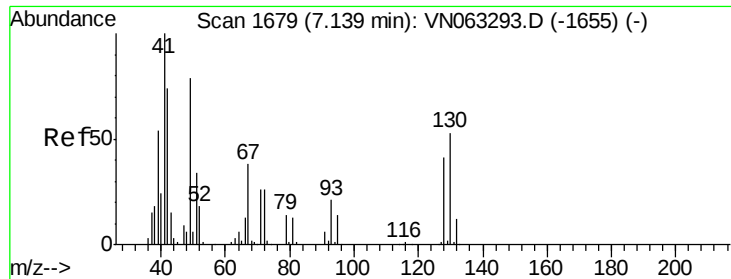
Tot Ion: 83 Resp: 416661
Ion Ratio Lower Upper
83 100
55 79.2 64.0 96.0
98 45.5 36.4 54.6



#40
Benzene
Concen: 48.296 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN063329.D
Acq: 11 Sep 2020 21:06

Tgt Ion: 78 Resp: 1156324
Ion Ratio Lower Upper
78 100
77 22.9 18.8 28.2

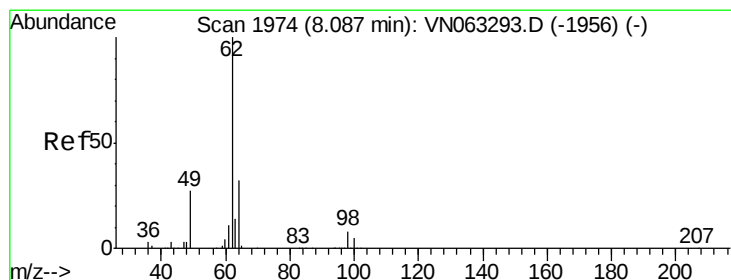
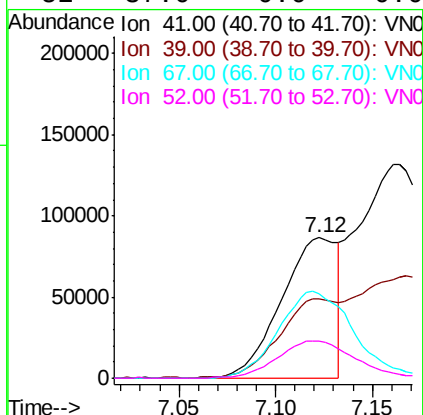
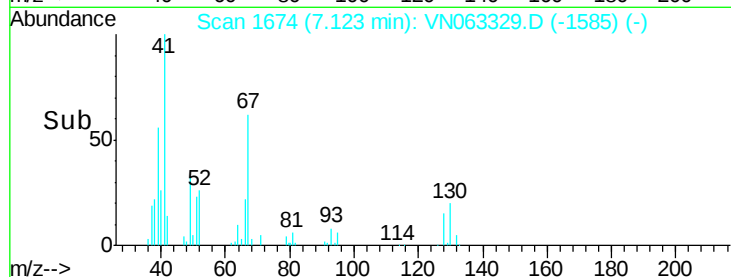
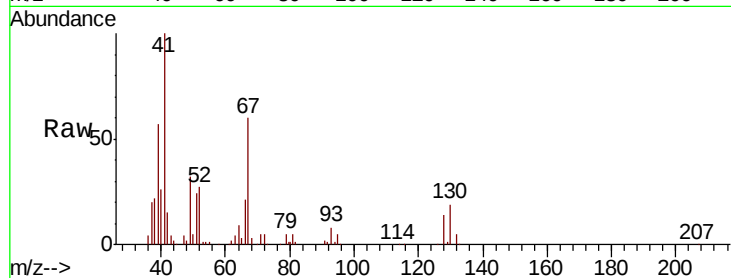




#41
Methacrylonitrile
Concen: 46.287 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. -0.02 min
Lab File: VN063329.D
Acq: 11 Sep 2020 21:06

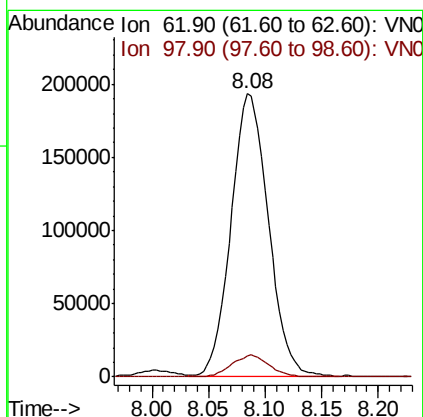
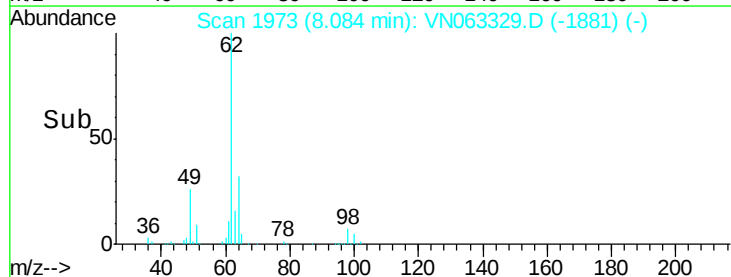
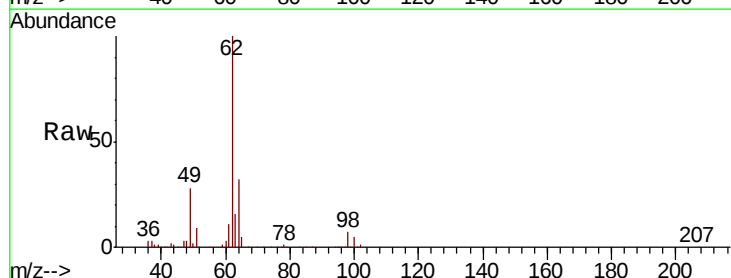
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

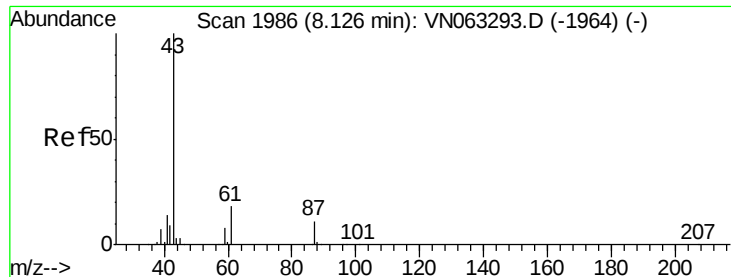
Tot Ion:	41	Resp:	172664
Ion	Ratio	Lower	Upper
41	100		
39	57.8	0.0	0.0#
67	85.2	0.0	0.0#
52	37.0	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 48.738 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN063329.D
Acq: 11 Sep 2020 21:06

Tgt Ion:	62	Resp:	442728
Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	15.4





#43

Isopropyl Acetate

Concen: 49.151 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN063329.D

Acq: 11 Sep 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

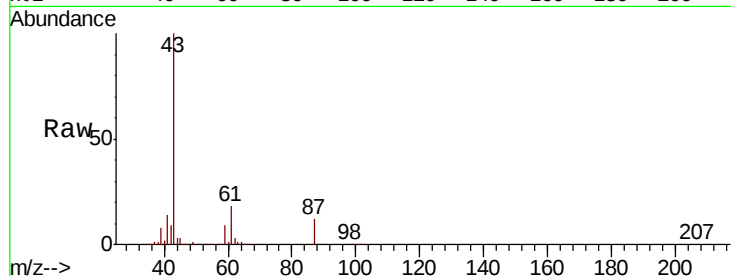
Tot Ion: 43 Resp: 686448

Ion Ratio Lower Upper

43 100

61 18.1 15.1 22.7

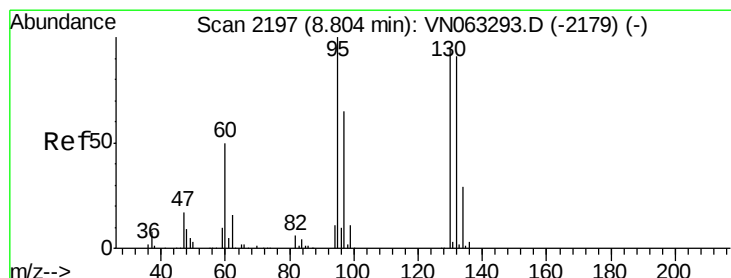
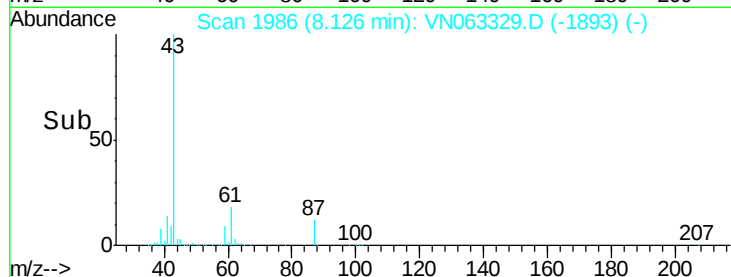
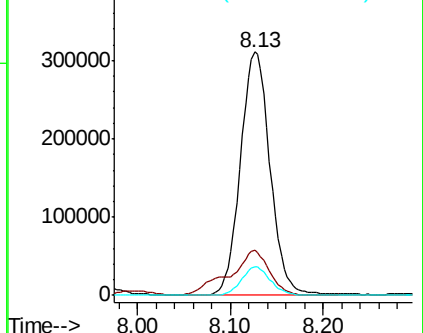
87 11.5 9.2 13.8



Abundance Ion 43.00 (42.70 to 43.70): VN063329.D (-1964) (-)

Ion 61.00 (60.70 to 61.70): VN063329.D (-1964) (-)

Ion 87.00 (86.70 to 87.70): VN063329.D (-1964) (-)



#44

Trichloroethene

Concen: 46.950 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN063329.D

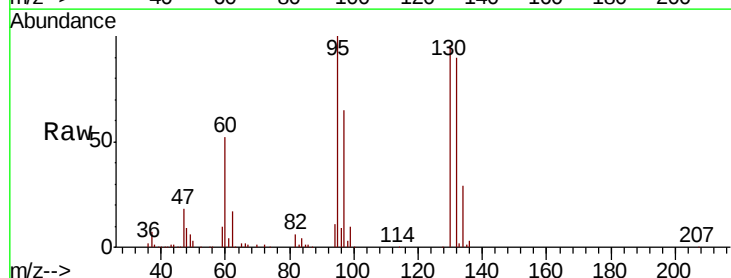
Acq: 11 Sep 2020 21:06

Tgt Ion: 130 Resp: 293966

Ion Ratio Lower Upper

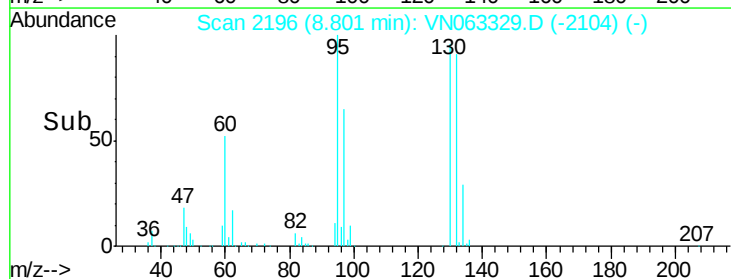
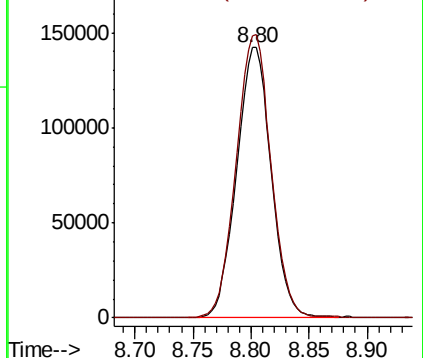
130 100

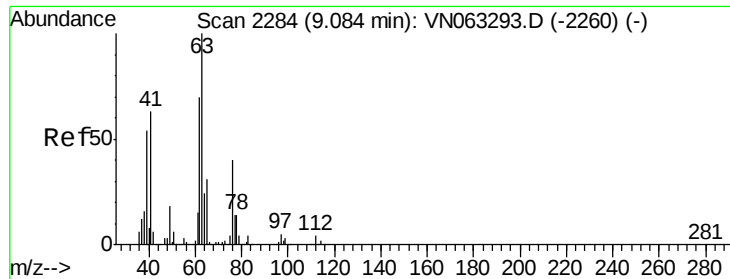
95 104.3 0.0 210.8



Abundance Ion 129.80 (129.50 to 130.50): VN063329.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN063329.D (-2179) (-)

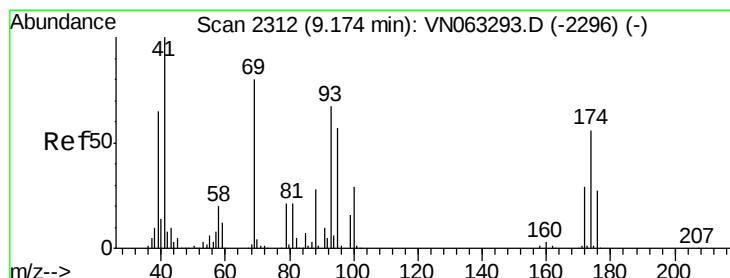
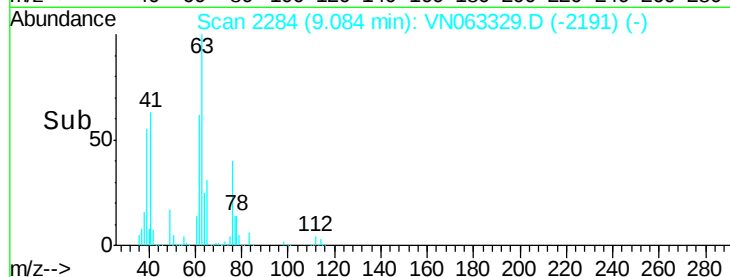
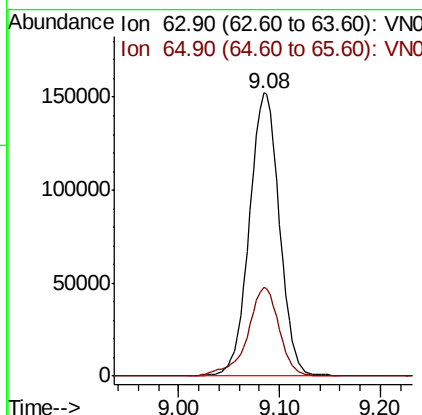
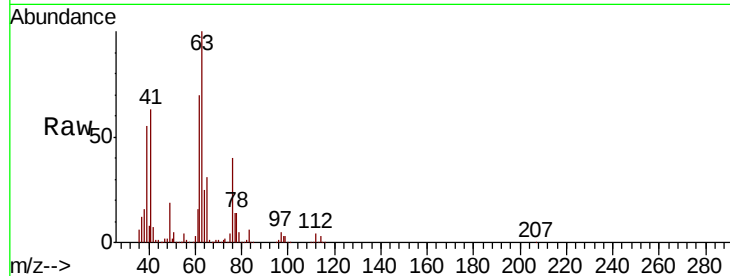




#45
 1,2-Dichloropropane
 Concen: 47.861 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN063329.D
 Acq: 11 Sep 2020 21:06

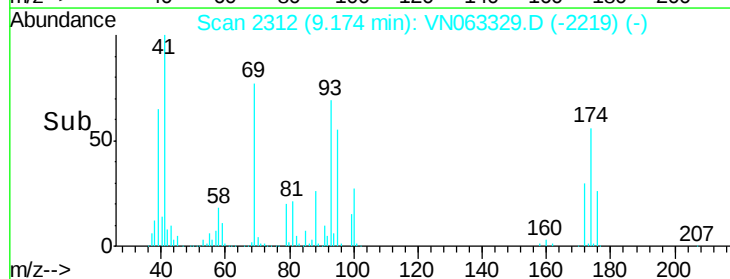
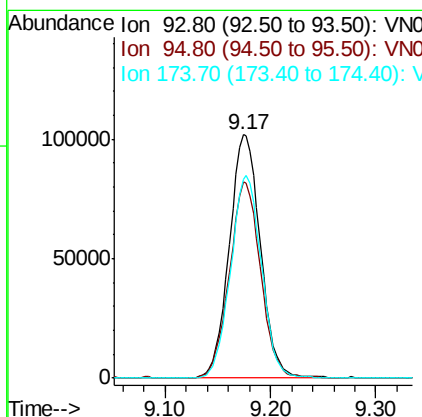
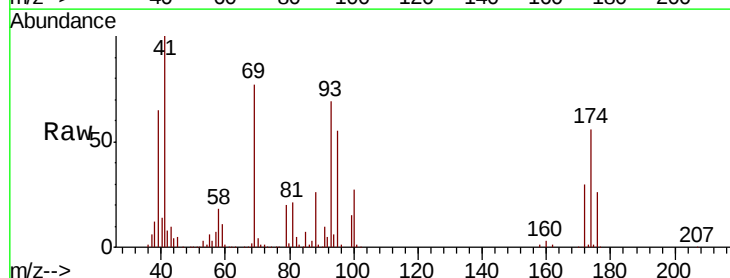
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

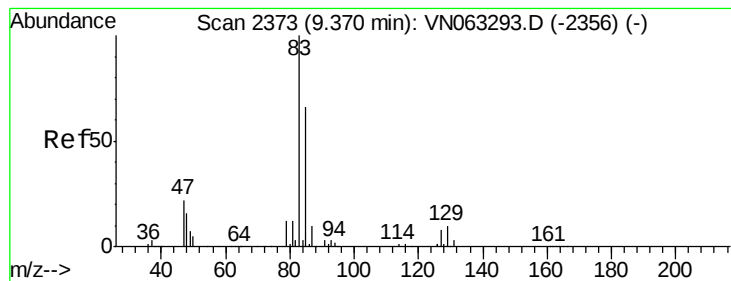
Tot Ion: 63 Resp: 314314
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.6 36.8



#46
 Dibromomethane
 Concen: 48.821 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN063329.D
 Acq: 11 Sep 2020 21:06

Tgt Ion: 93 Resp: 207910
 Ion Ratio Lower Upper
 93 100
 95 81.1 67.9 101.9
 174 82.5 66.9 100.3





#47

Bromodichloromethane

Concen: 48.004 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN063329.D

Acq: 11 Sep 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

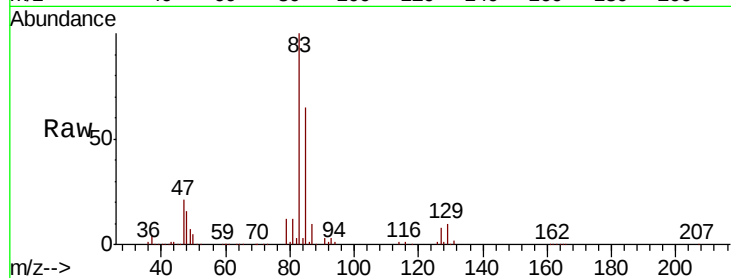
Tot Ion: 83 Resp: 426025

Ion Ratio Lower Upper

83 100

85 65.0 52.5 78.7

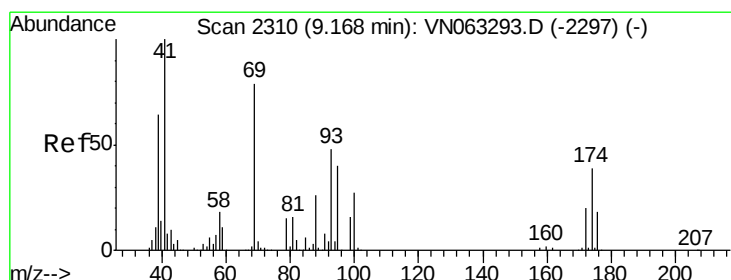
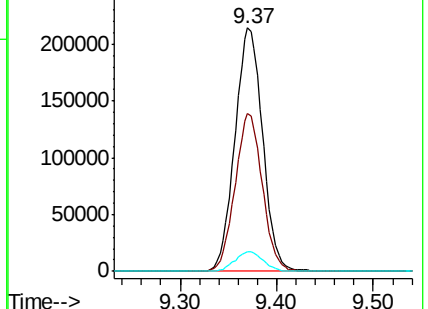
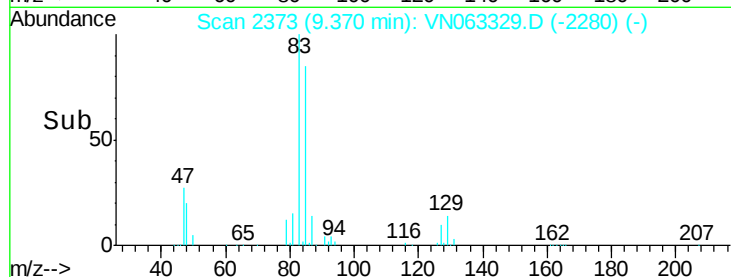
127 7.9 6.6 10.0



Abundance Ion 82.90 (82.60 to 83.60): VN063329.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN063329.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN063329.D (-2280) (-)



#48

Methyl methacrylate

Concen: 48.511 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN063329.D

Acq: 11 Sep 2020 21:06

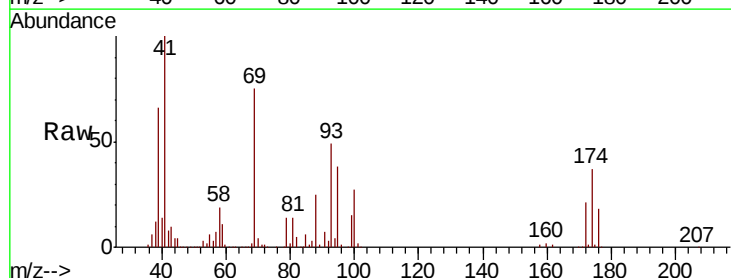
Tgt Ion: 41 Resp: 323272

Ion Ratio Lower Upper

41 100

69 78.9 63.6 95.4

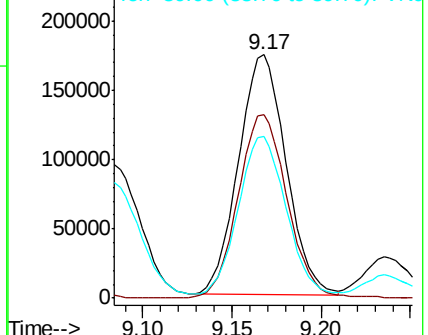
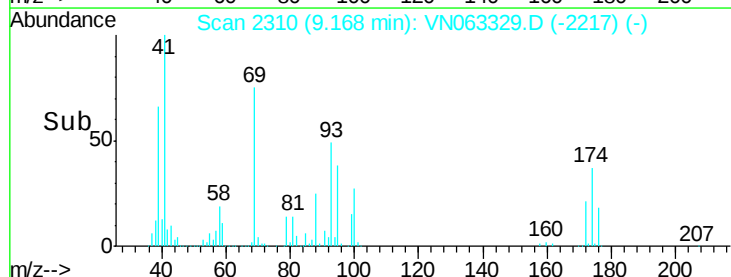
39 68.7 53.2 79.8

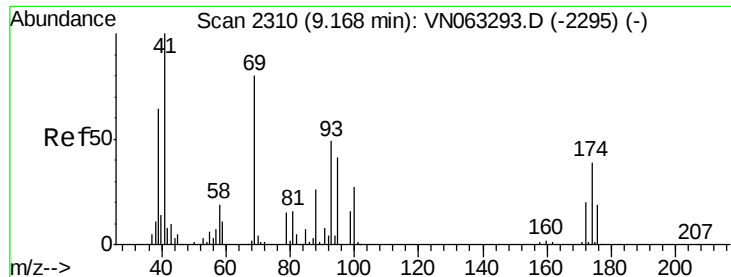


Abundance Ion 41.00 (40.70 to 41.70): VN063329.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN063329.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN063329.D (-2217) (-)

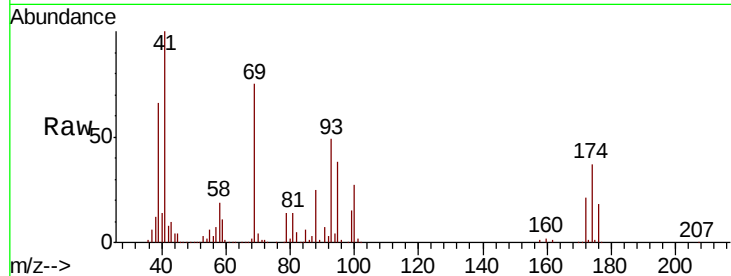




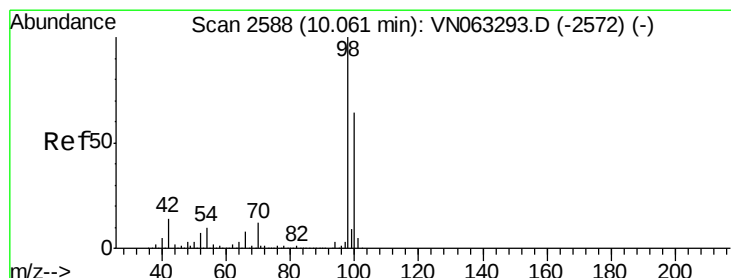
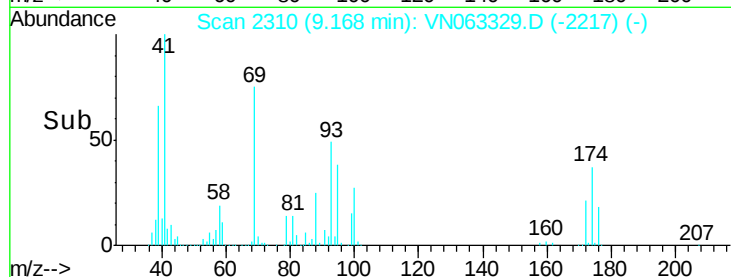
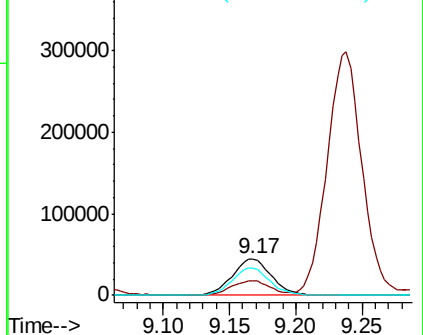
#49
1,4-Dioxane
Concen: 887.787 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN063329.D
Acq: 11 Sep 2020 21:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 91599
Ion Ratio Lower Upper
88 100
43 37.2 30.5 45.7
58 72.1 58.9 88.3

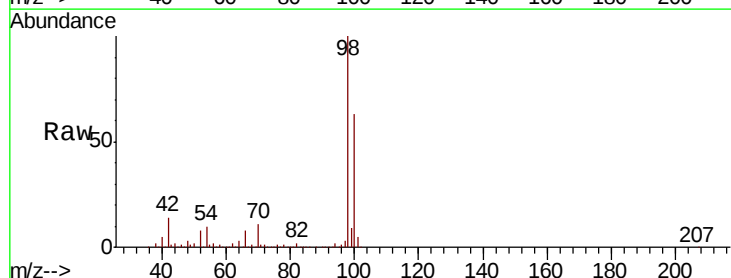


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

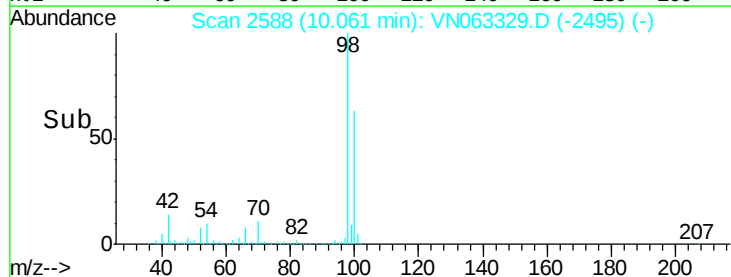
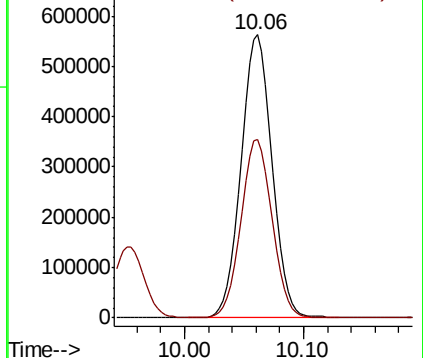


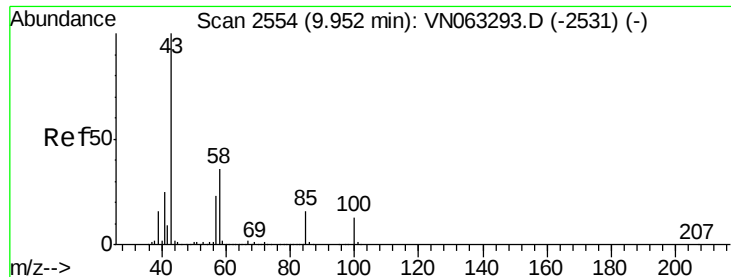
#50
Toluene-d8
Concen: 50.327 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. -0.00 min
Lab File: VN063329.D
Acq: 11 Sep 2020 21:06

Tgt Ion: 98 Resp: 1014680
Ion Ratio Lower Upper
98 100
100 63.5 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: 261.139 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN063329.D

Acq: 11 Sep 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

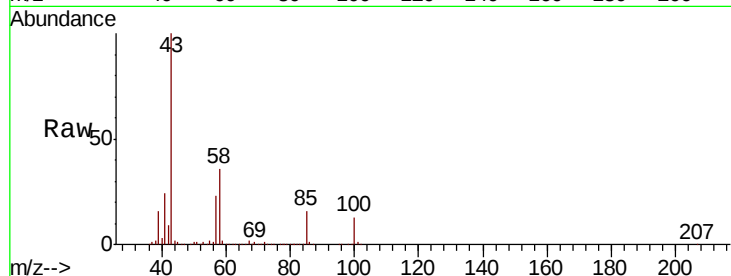
VSTDCCC050EC

Tot Ion: 43 Resp: 2009900

Ion Ratio Lower Upper

43 100

58 35.9 29.0 43.4



Abundance Ion 43.00 (42.70 to 43.70): VN063329.D (-2531) (-)

Ion 58.00 (57.70 to 58.70): VN063329.D (-2531) (-)

1200000

1000000

800000

600000

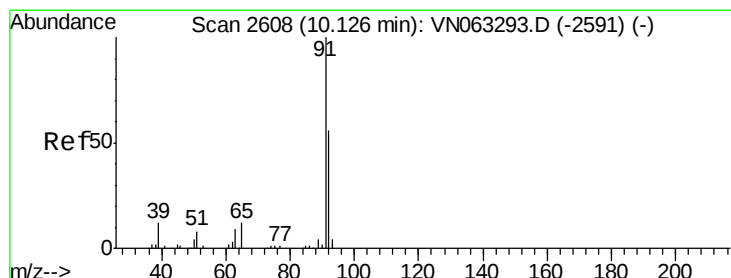
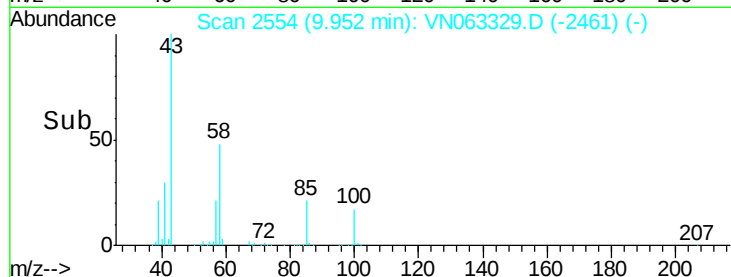
400000

200000

0

9.90 9.95 10.00

Time-->



#52

Toluene

Concen: 48.998 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063329.D

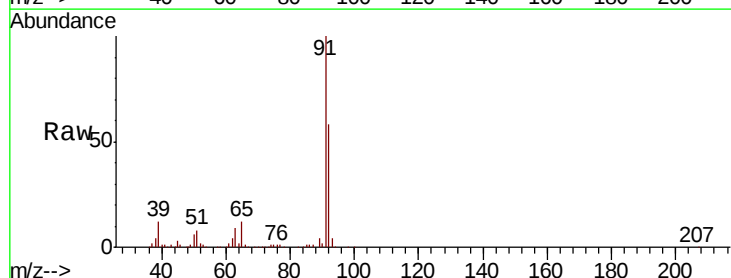
Acq: 11 Sep 2020 21:06

Tgt Ion: 92 Resp: 716249

Ion Ratio Lower Upper

92 100

91 174.3 141.2 211.8



Abundance Ion 92.00 (91.70 to 92.70): VN063329.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN063329.D (-2591) (-)

800000

600000

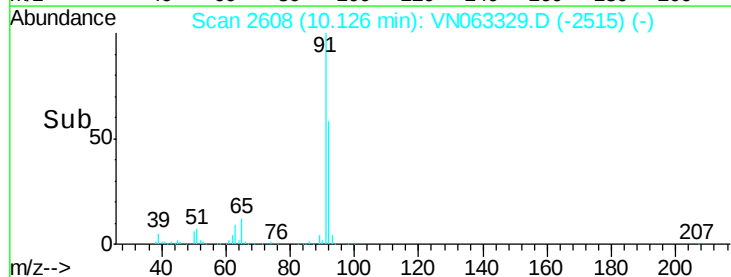
400000

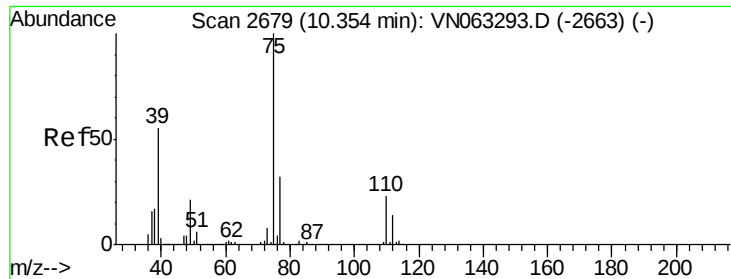
200000

0

10.10 10.13 10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 47.946 ug/l

RT: 10.35 min Scan# 2679

Delta R.T. 0.00 min

Lab File: VN063329.D

Acq: 11 Sep 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

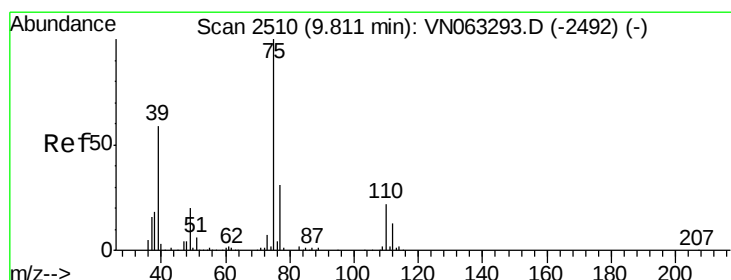
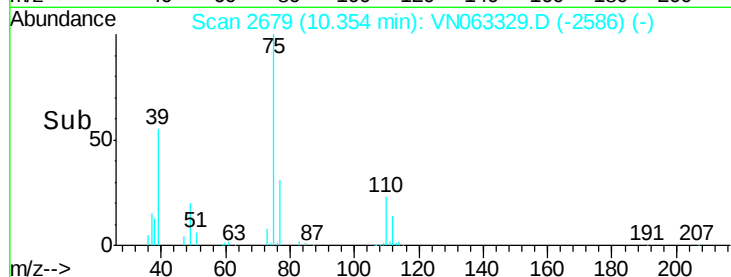
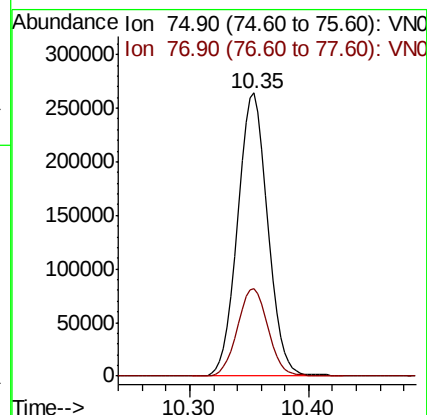
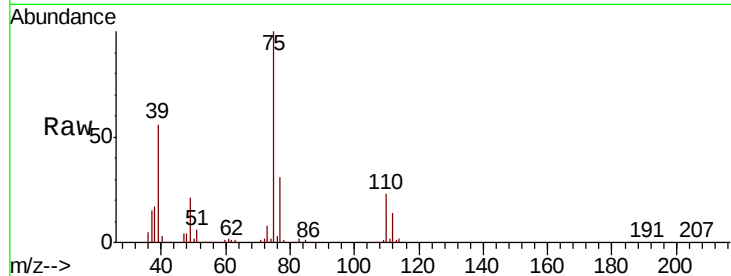
VSTDCCC050EC

Tot Ion: 75 Resp: 464003

Ion Ratio Lower Upper

75 100

77 31.1 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 47.773 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN063329.D

Acq: 11 Sep 2020 21:06

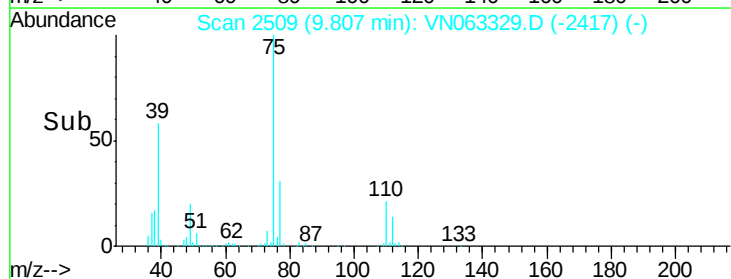
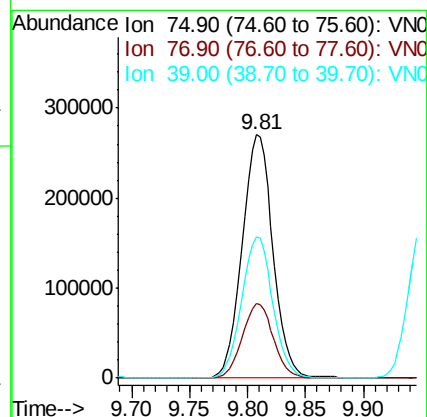
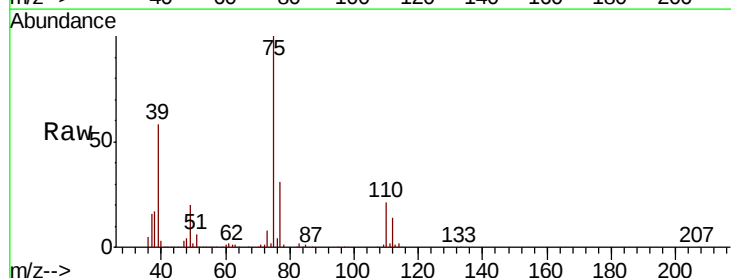
Tgt Ion: 75 Resp: 497789

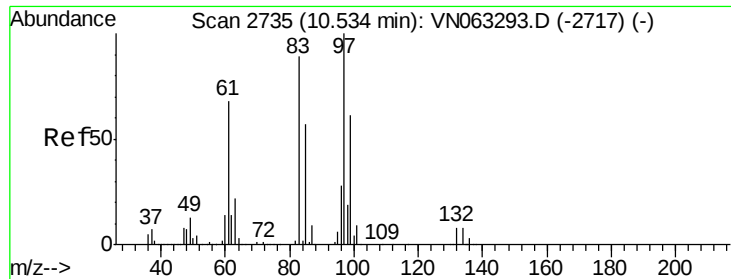
Ion Ratio Lower Upper

75 100

77 30.5 24.7 37.1

39 57.7 47.2 70.8

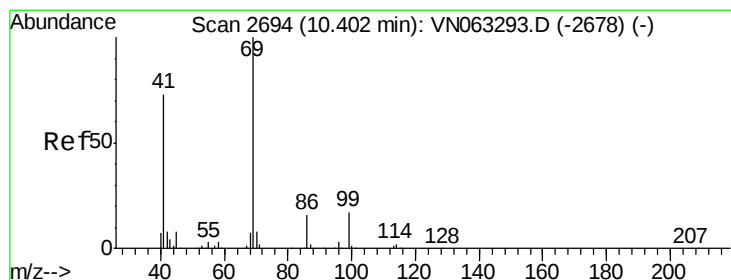
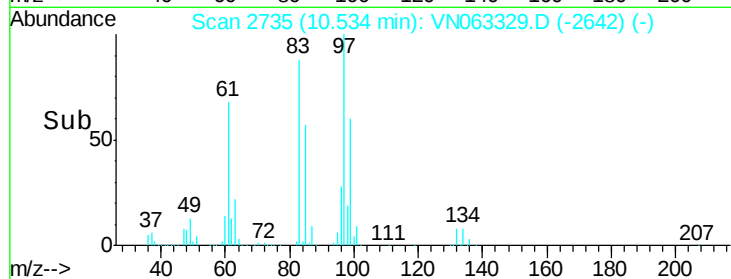
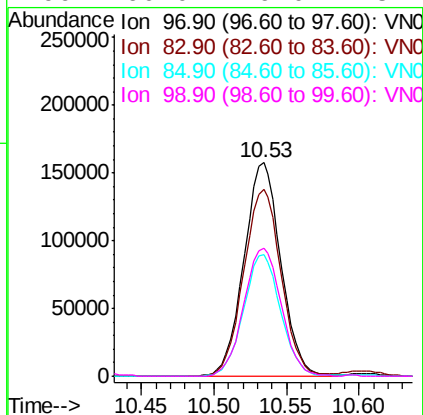
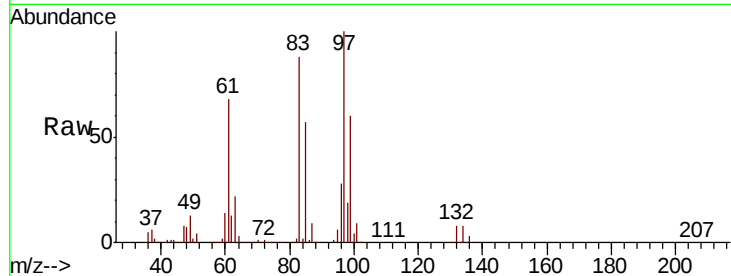




#55
 1,1,2-Trichloroethane
 Concen: 48.794 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. -0.00 min
 Lab File: VN063329.D
 Acq: 11 Sep 2020 21:06

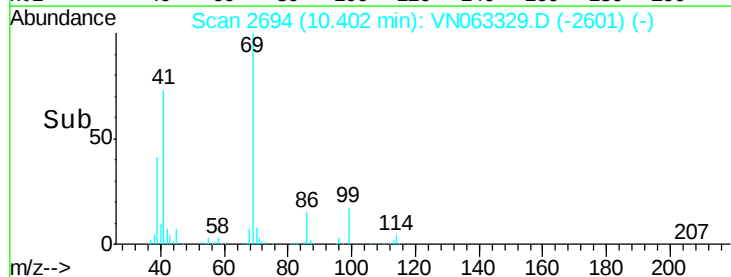
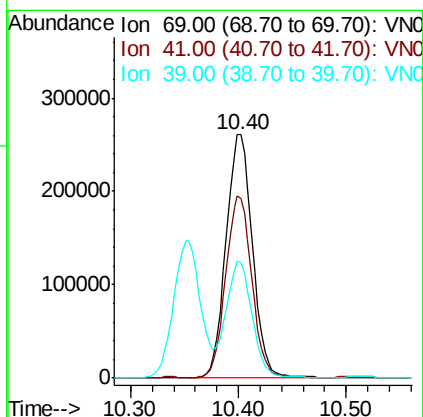
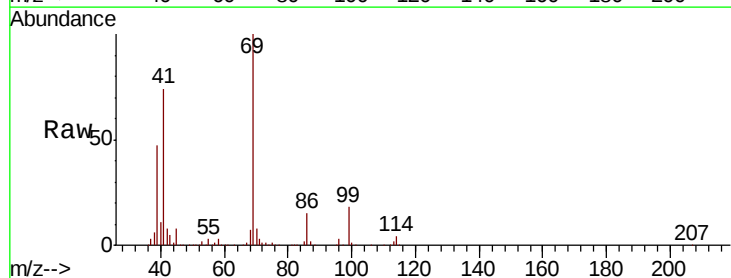
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

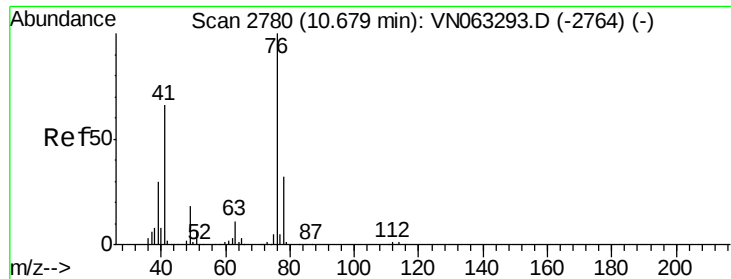
Tot Ion:	97	Resp:	279495
Ion	Ratio	Lower	Upper
97	100		
83	87.5	70.8	106.2
85	57.0	45.6	68.4
99	60.0	49.0	73.4



#56
 Ethyl methacrylate
 Concen: 51.394 ug/l
 RT: 10.40 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VN063329.D
 Acq: 11 Sep 2020 21:06

Tgt Ion:	69	Resp:	447672
Ion	Ratio	Lower	Upper
69	100		
41	72.9	58.4	87.6
39	47.2	38.6	58.0





#57

1,3-Dichloropropane

Concen: 48.986 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN063329.D

Acq: 11 Sep 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

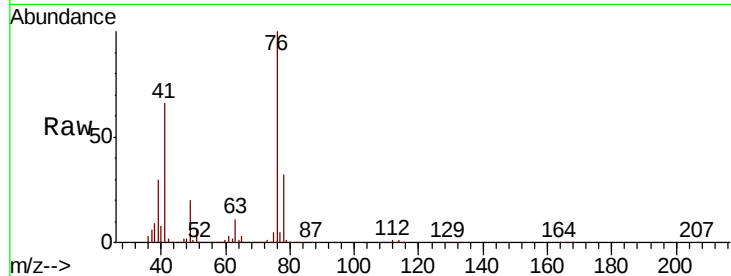
VSTDCCC050EC

Tot Ion: 76 Resp: 490316

Ion Ratio Lower Upper

76 100

78 32.4 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.68

250000

200000

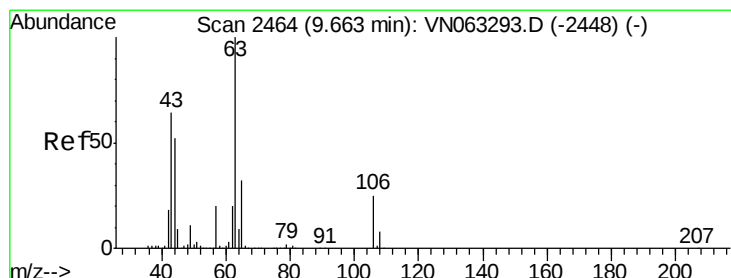
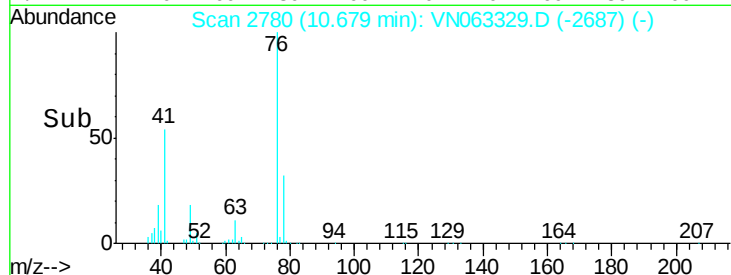
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 231.860 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN063329.D

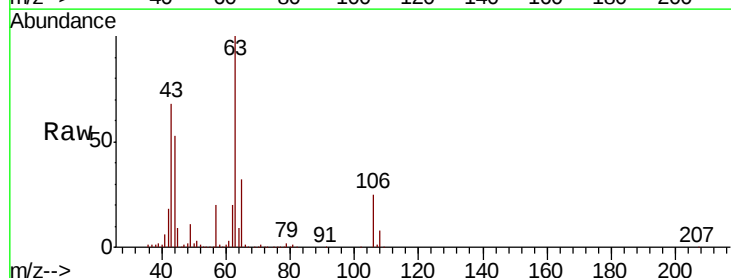
Acq: 11 Sep 2020 21:06

Tgt Ion: 63 Resp: 1083325

Ion Ratio Lower Upper

63 100

106 25.1 20.2 30.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.66

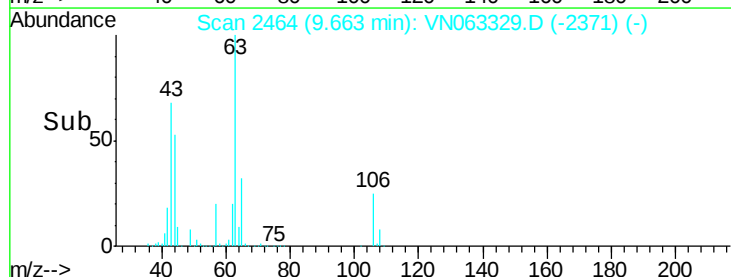
600000

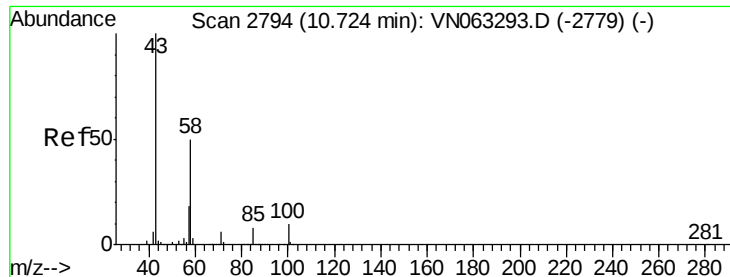
400000

200000

0

Time-->

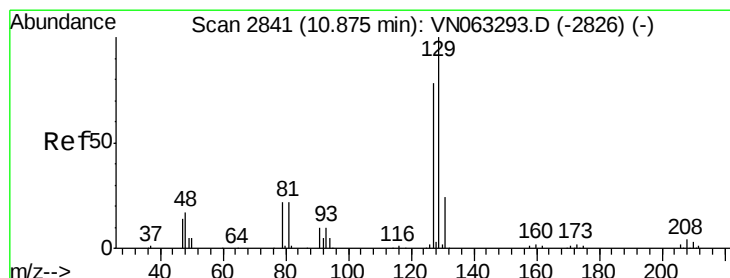
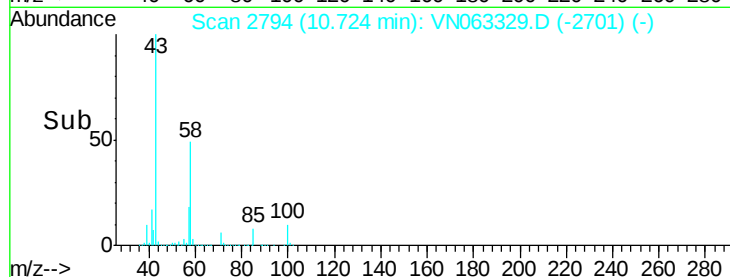
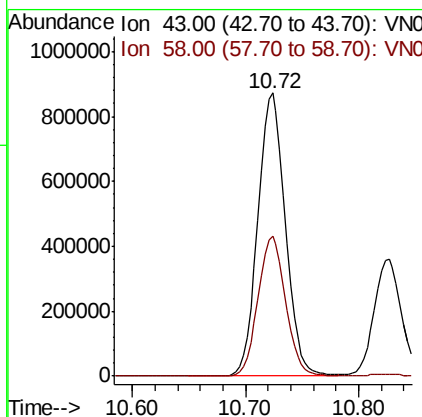
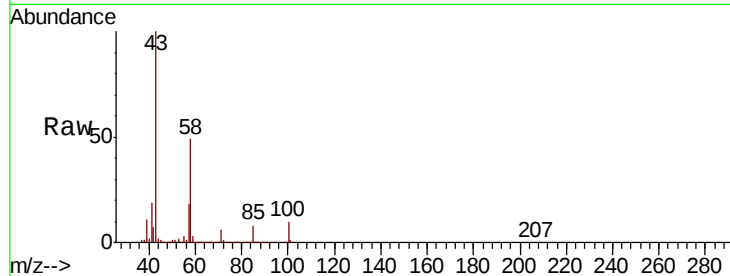




#59
2-Hexanone
Concen: 259.308 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. -0.00 min
Lab File: VN063329.D
Acq: 11 Sep 2020 21:06

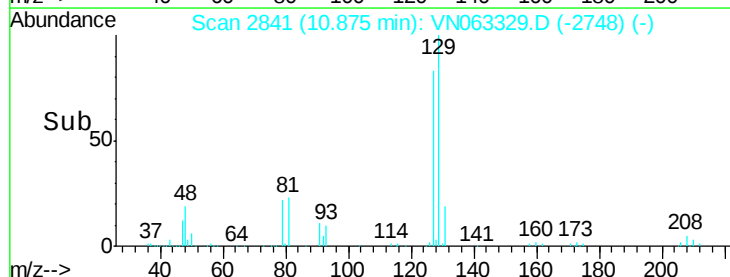
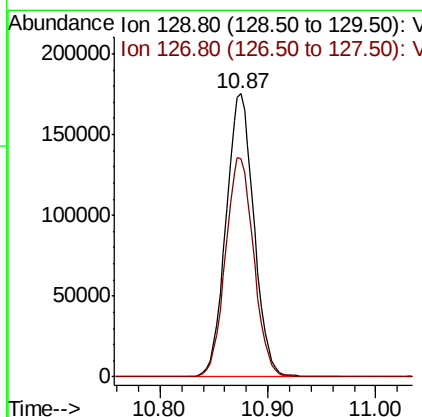
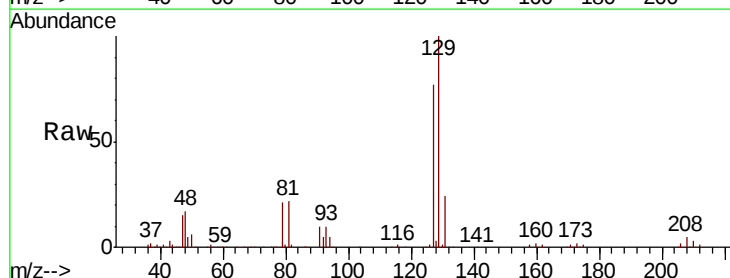
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

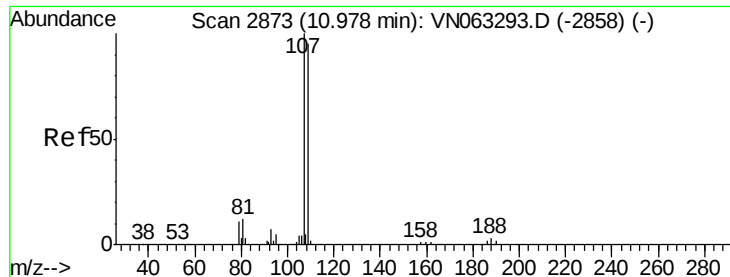
Tot Ion: 43 Resp: 1471925
Ion Ratio Lower Upper
43 100
58 49.6 25.1 75.3



#60
Dibromochloromethane
Concen: 50.254 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN063329.D
Acq: 11 Sep 2020 21:06

Tgt Ion: 129 Resp: 316103
Ion Ratio Lower Upper
129 100
127 78.3 39.0 117.0

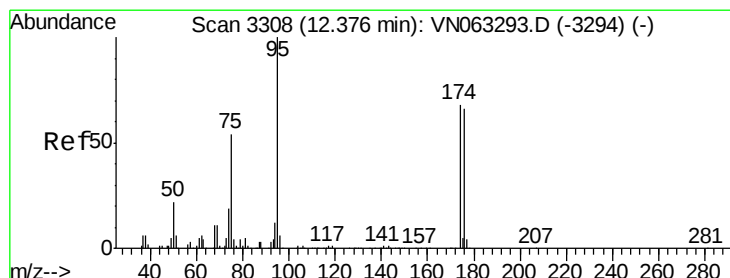
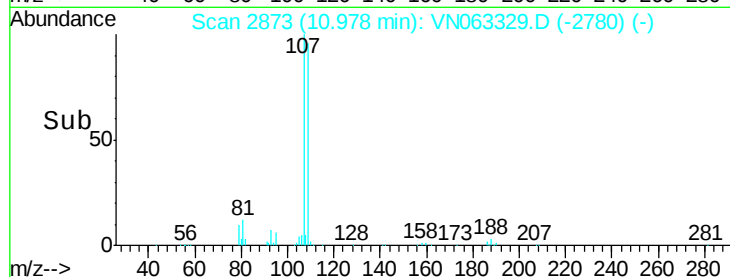
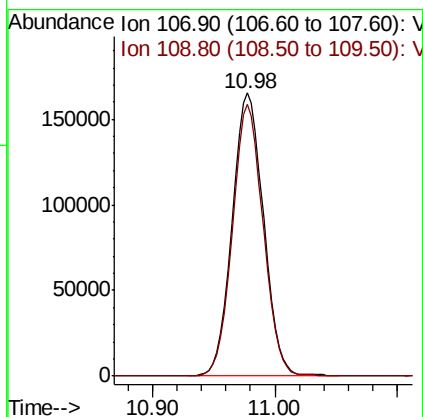
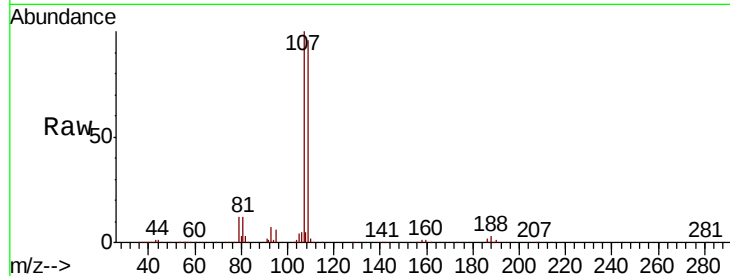




#61
 1,2-Dibromoethane
 Concen: 49.290 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN063329.D
 Acq: 11 Sep 2020 21:06

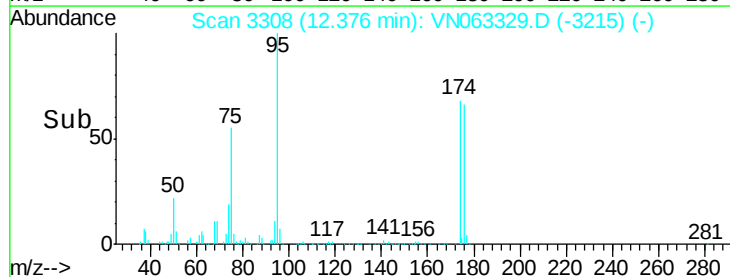
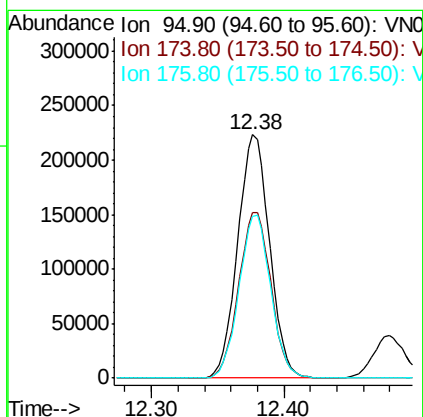
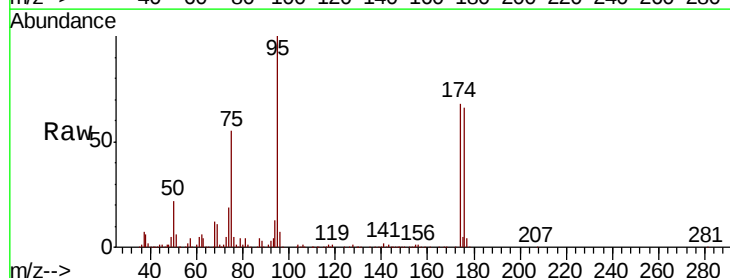
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

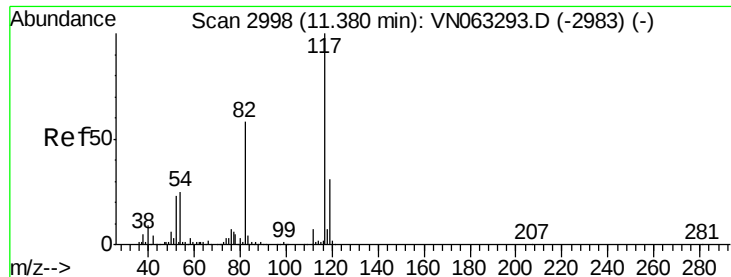
Tot Ion: 107 Resp: 294334
 Ion Ratio Lower Upper
 107 100
 109 94.1 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 50.110 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: VN063329.D
 Acq: 11 Sep 2020 21:06

Tgt Ion: 95 Resp: 373157
 Ion Ratio Lower Upper
 95 100
 174 68.9 0.0 136.6
 176 66.6 0.0 132.8

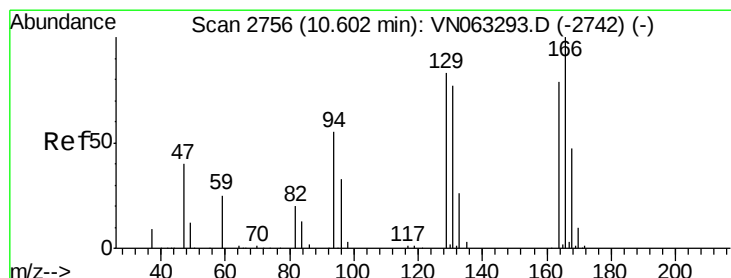
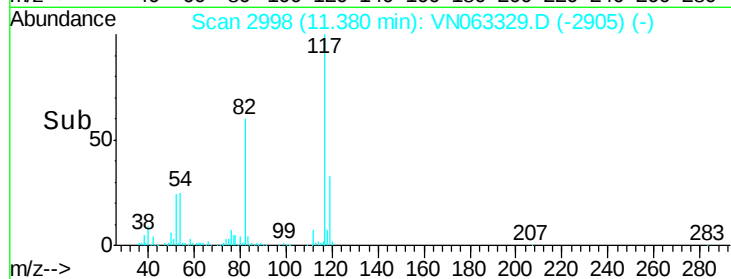
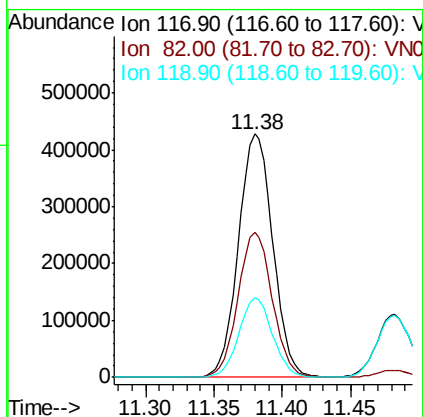
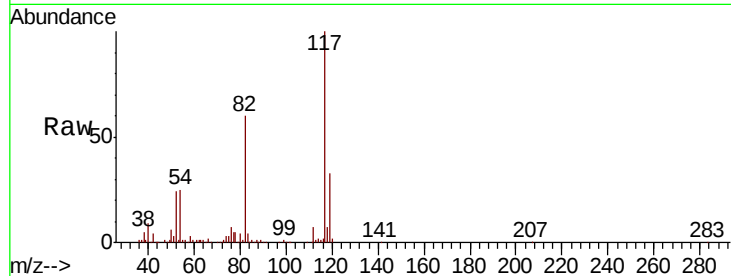




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063329.D
Acq: 11 Sep 2020 21:06

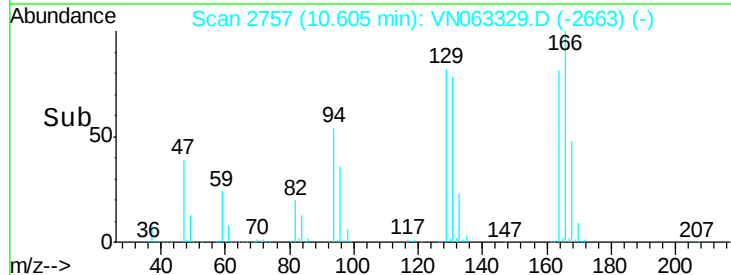
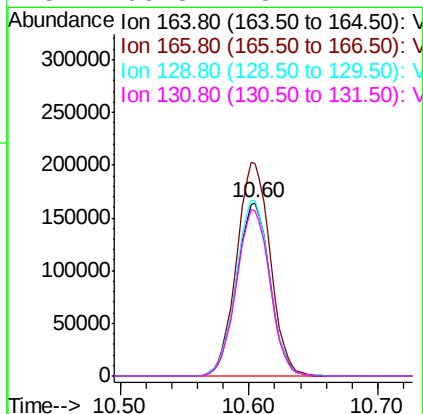
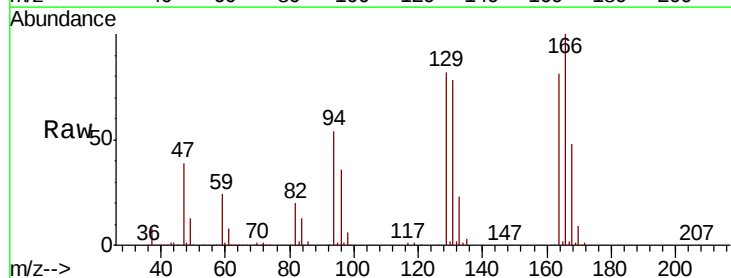
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

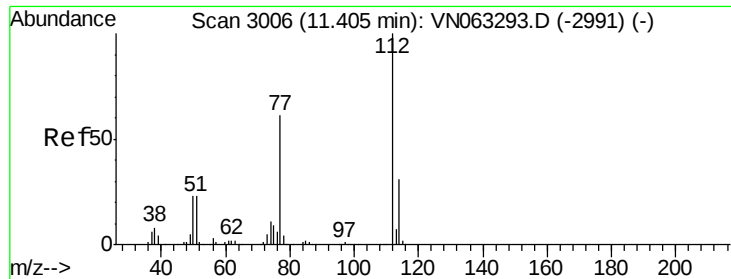
Tot Ion:117 Resp: 749230
Ion Ratio Lower Upper
117 100
82 59.5 46.4 69.6
119 32.5 24.8 37.2



#64
Tetrachloroethene
Concen: 48.220 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VN063329.D
Acq: 11 Sep 2020 21:06

Tgt Ion:164 Resp: 295956
Ion Ratio Lower Upper
164 100
166 123.1 101.3 151.9
129 101.3 83.7 125.5
131 95.8 78.2 117.4

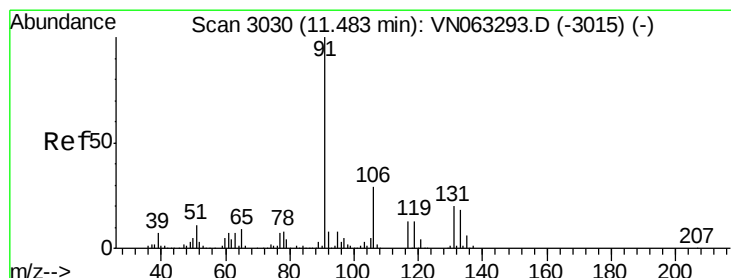
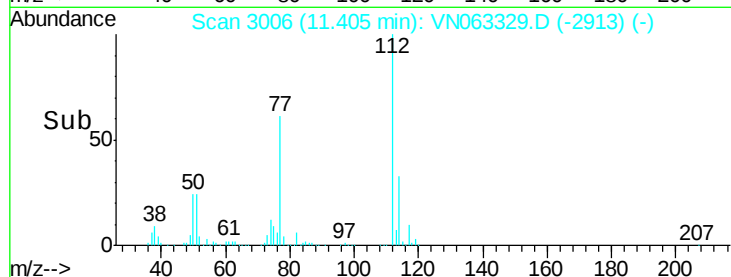
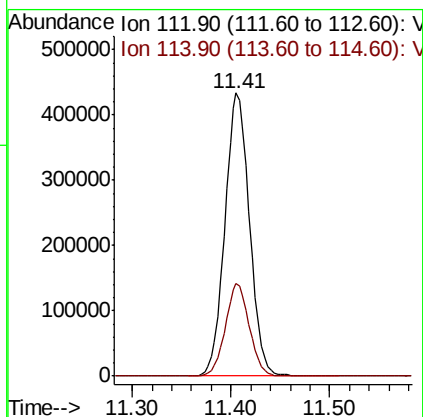
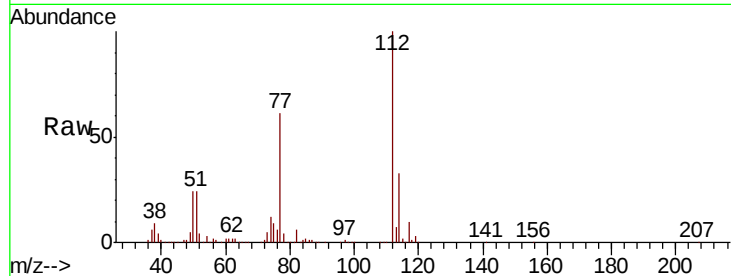




#65
Chlorobenzene
Concen: 46.934 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN063329.D
Acq: 11 Sep 2020 21:06

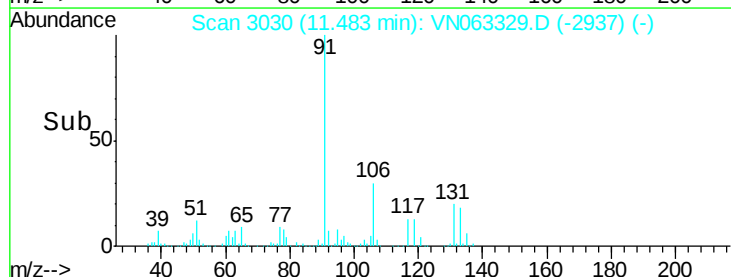
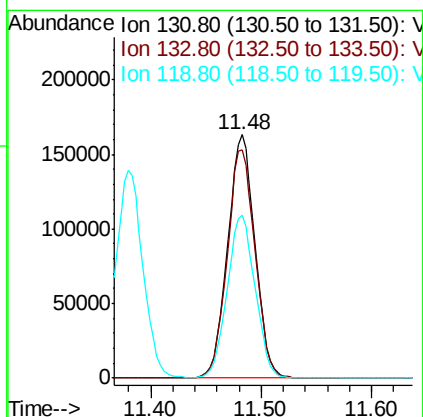
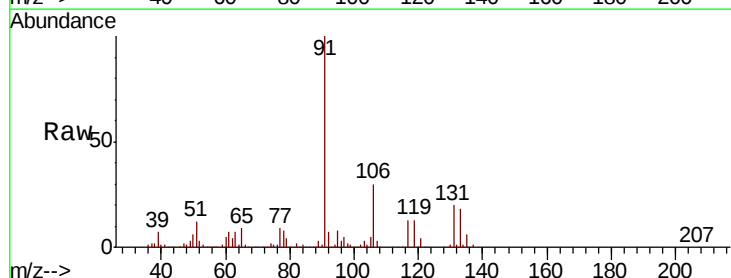
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

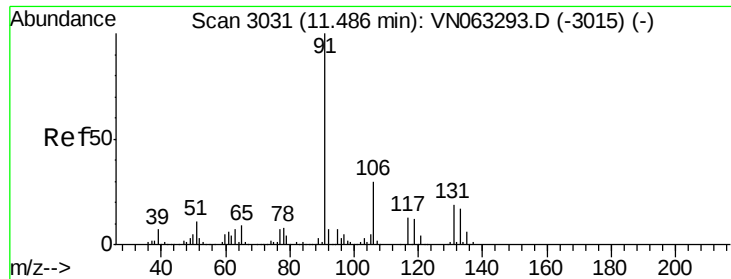
Tot Ion:112 Resp: 757034
Ion Ratio Lower Upper
112 100
114 32.7 24.6 36.8



#66
1,1,1,2-Tetrachloroethane
Concen: 47.611 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN063329.D
Acq: 11 Sep 2020 21:06

Tgt Ion:131 Resp: 279794
Ion Ratio Lower Upper
131 100
133 95.6 47.4 142.2
119 68.7 33.8 101.3

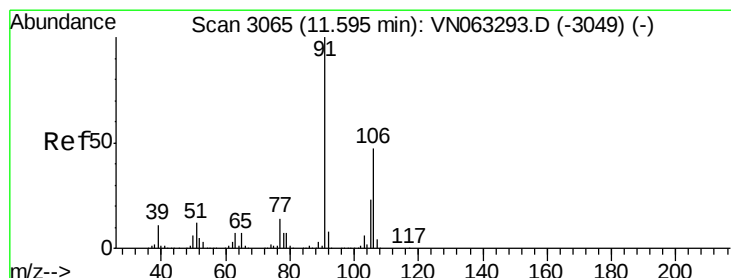
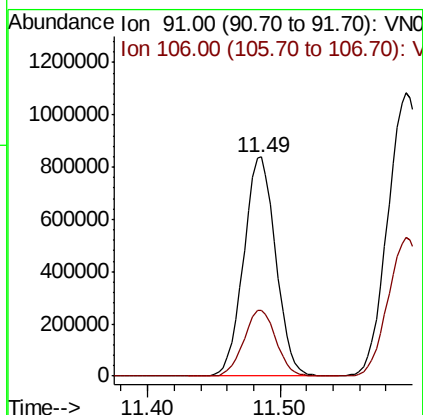
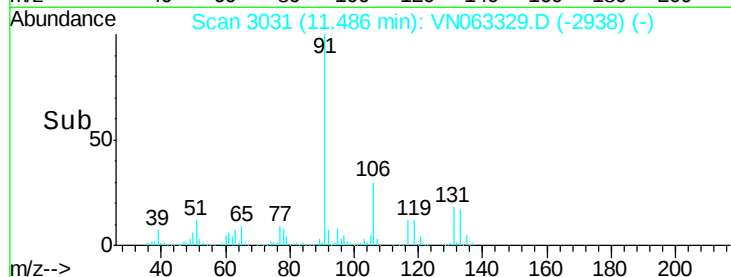
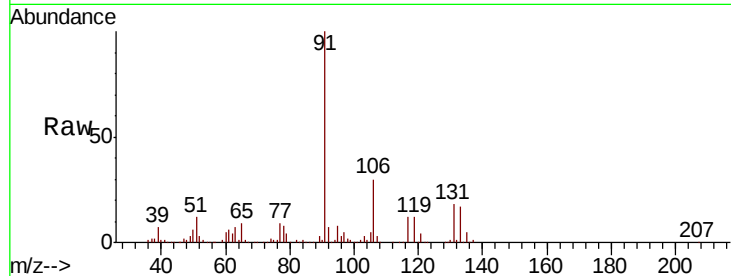




#67
Ethyl Benzene
Concen: 48.566 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. -0.00 min
Lab File: VN063329.D
Acq: 11 Sep 2020 21:06

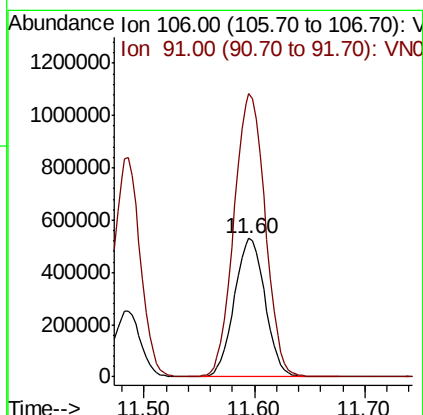
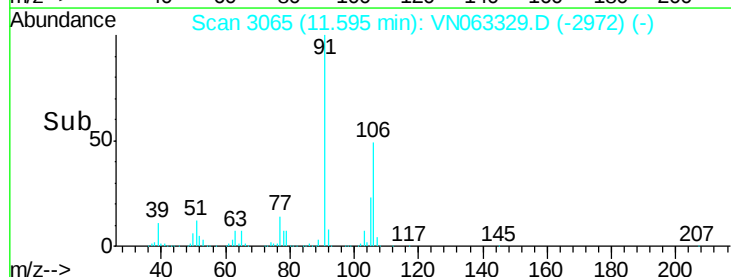
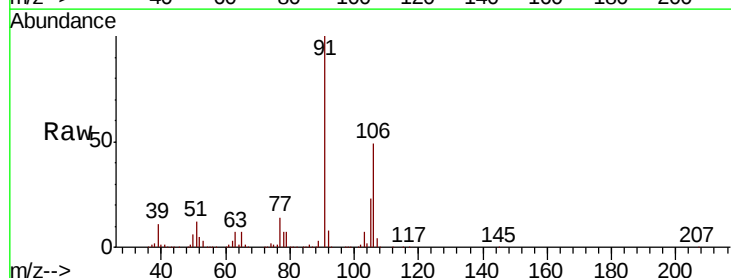
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

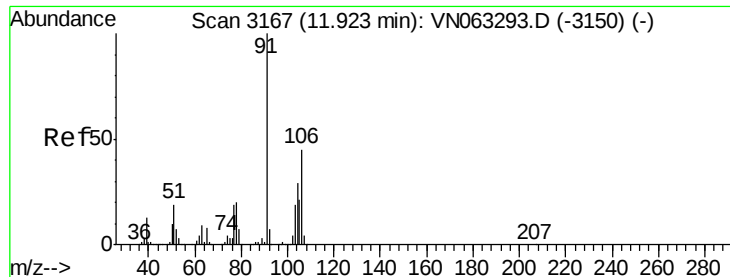
Tot Ion: 91 Resp: 1406314
Ion Ratio Lower Upper
91 100
106 30.3 23.8 35.6



#68
m/p-Xylenes
Concen: 95.405 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN063329.D
Acq: 11 Sep 2020 21:06

Tgt Ion: 106 Resp: 1021894
Ion Ratio Lower Upper
106 100
91 208.3 169.8 254.8

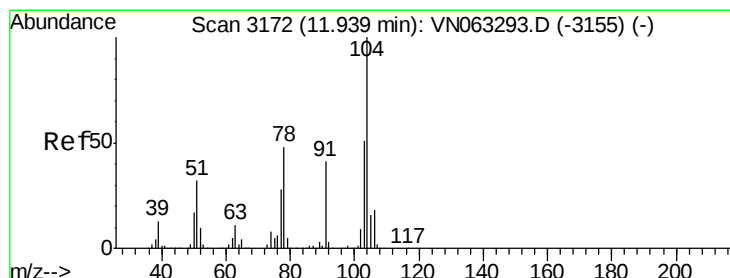
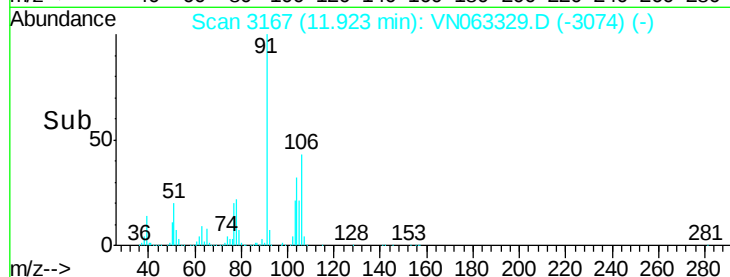
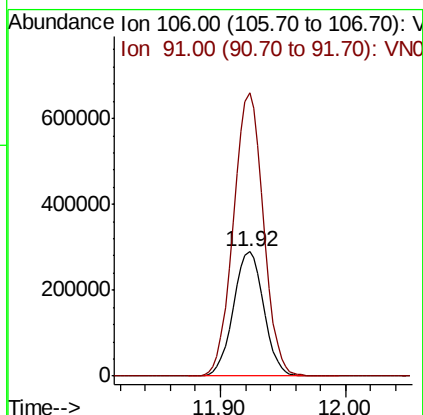
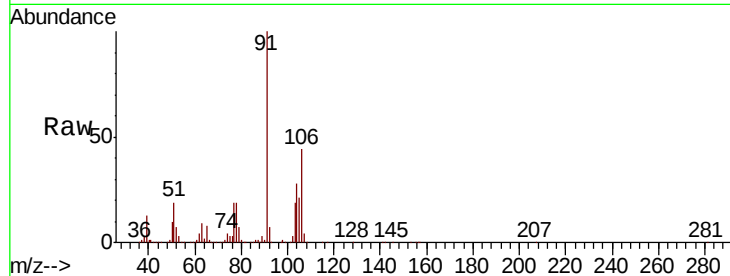




#69
o-Xylene
Concen: 47.618 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063329.D
Acq: 11 Sep 2020 21:06

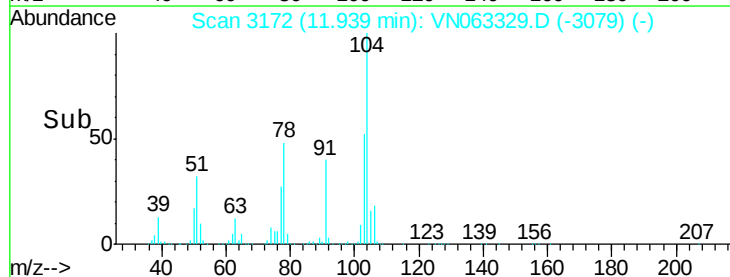
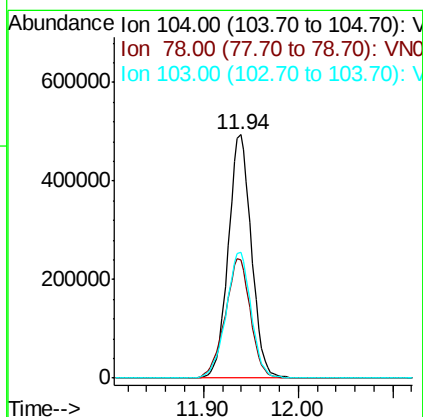
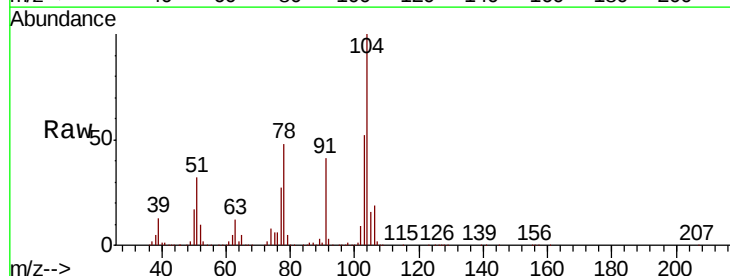
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

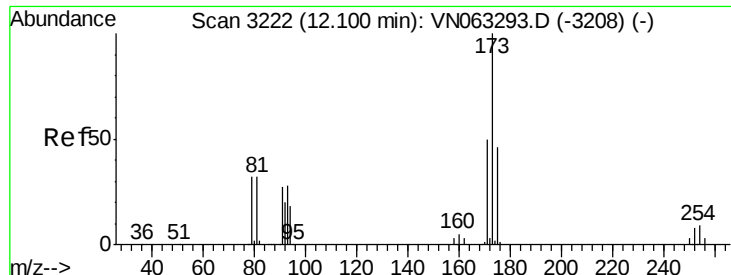
Tot Ion:106 Resp: 489479
Ion Ratio Lower Upper
106 100
91 224.0 111.5 334.4



#70
Styrene
Concen: 49.104 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. -0.00 min
Lab File: VN063329.D
Acq: 11 Sep 2020 21:06

Tgt Ion:104 Resp: 838918
Ion Ratio Lower Upper
104 100
78 53.7 42.9 64.3
103 55.9 44.2 66.2

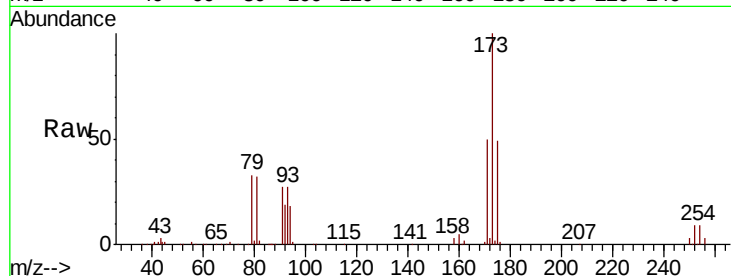




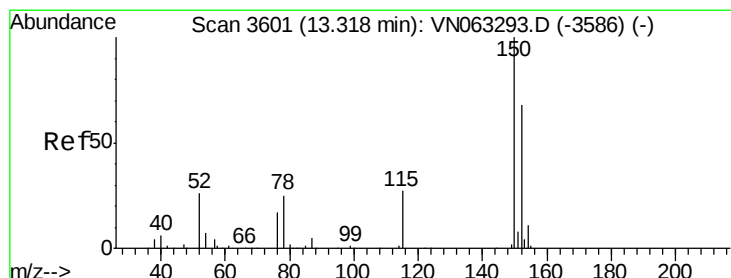
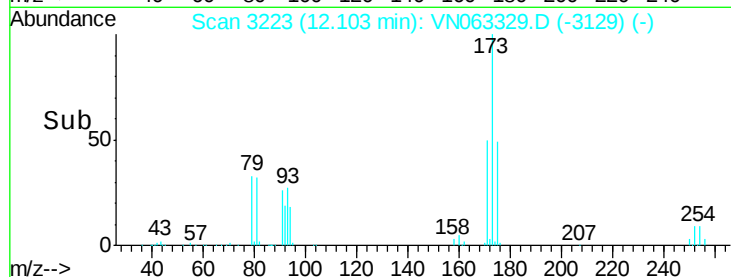
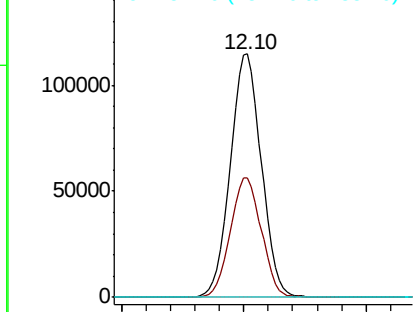
#71
Bromoform
Concen: 49.845 ug/l
RT: 12.10 min Scan# 3223
Delta R.T. 0.00 min
Lab File: VN063329.D
Acq: 11 Sep 2020 21:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:173 Resp: 202603
Ion Ratio Lower Upper
173 100
175 49.2 23.8 71.5
254 0.1 0.0 0.0#

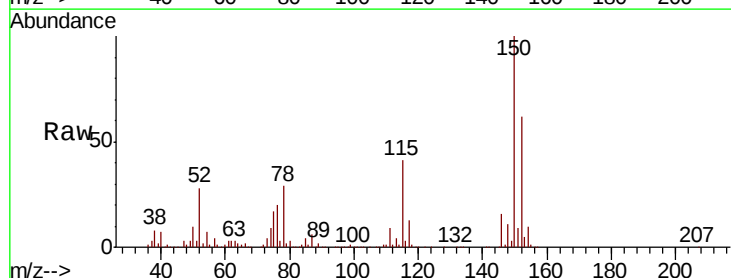


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

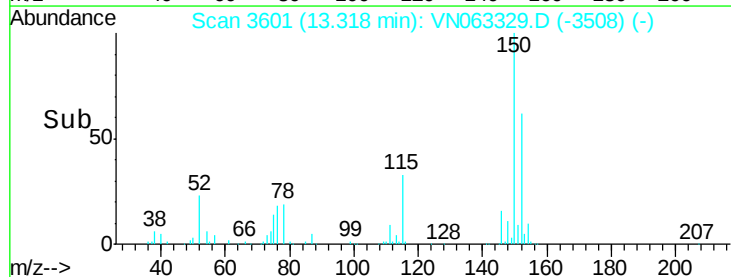
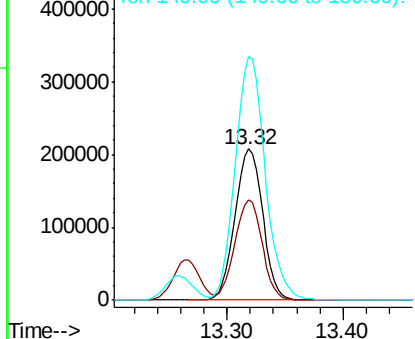


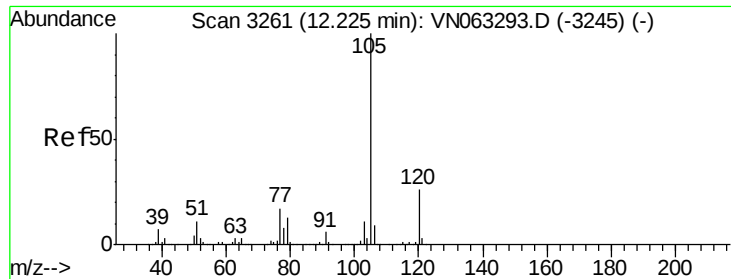
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. -0.00 min
Lab File: VN063329.D
Acq: 11 Sep 2020 21:06

Tgt Ion:152 Resp: 342521
Ion Ratio Lower Upper
152 100
115 65.2 31.5 94.5
150 174.2 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: 47.847 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. -0.00 min

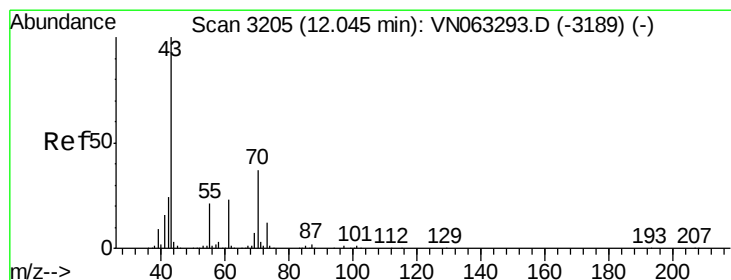
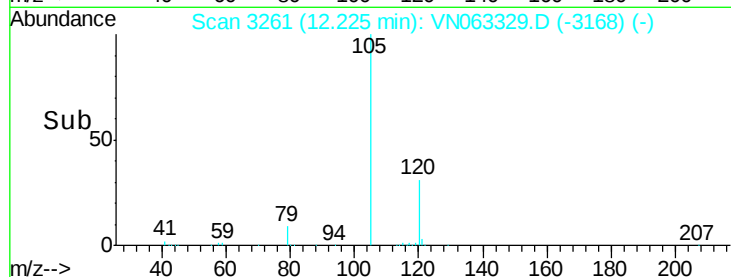
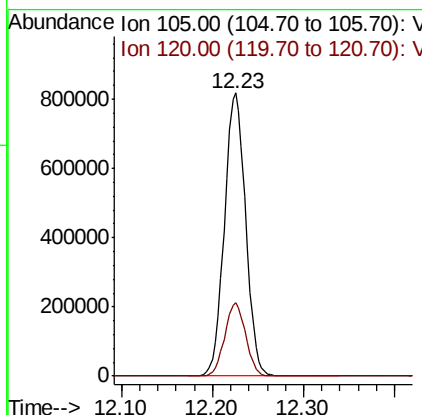
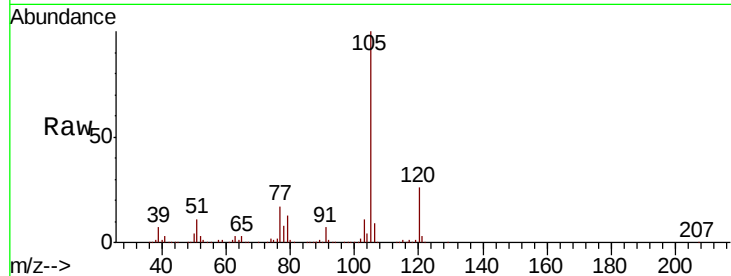
Lab File: VN063329.D

Acq: 11 Sep 2020 21:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:105 Resp: 1321897

Ion	Ratio	Lower	Upper
105	100		
120	25.6	13.0	38.9



#74

N-ethyl acetate

Concen: 53.846 ug/l

RT: 12.05 min Scan# 3205

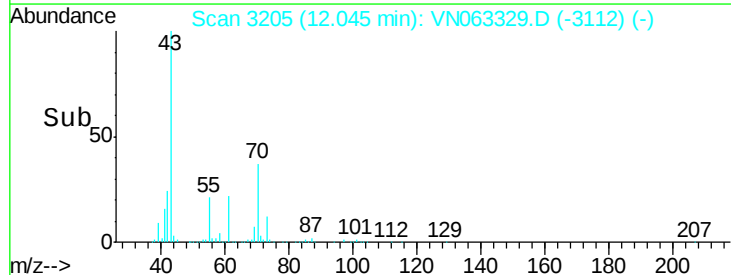
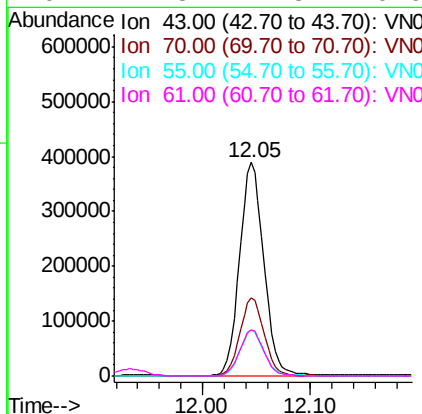
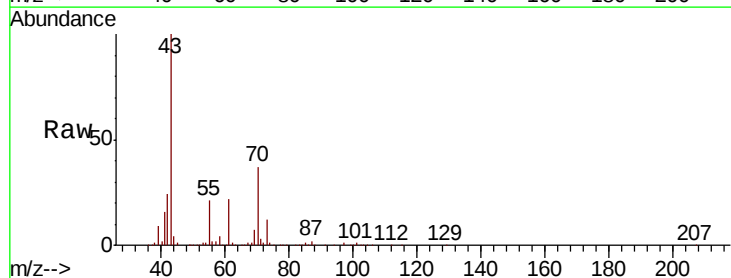
Delta R.T. 0.00 min

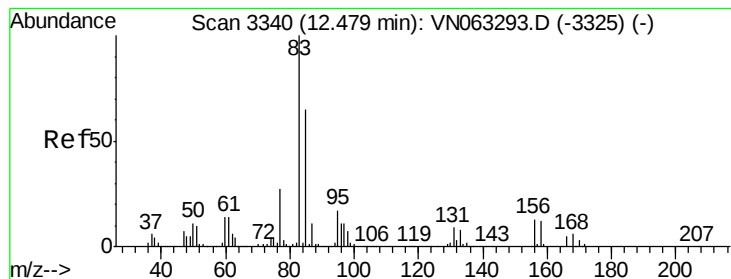
Lab File: VN063329.D

Acq: 11 Sep 2020 21:06

Tgt Ion: 43 Resp: 610758

Ion	Ratio	Lower	Upper
43	100		
70	36.5	29.3	43.9
55	21.8	17.0	25.6
61	21.8	17.8	26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 49.035 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN063329.D

Acq: 11 Sep 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

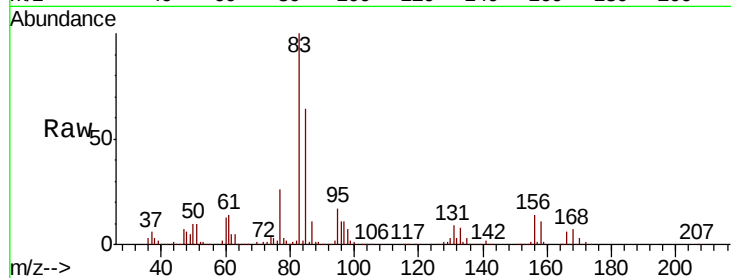
Tot Ion: 83 Resp: 387987

Ion Ratio Lower Upper

83 100

131 9.7 4.7 14.1

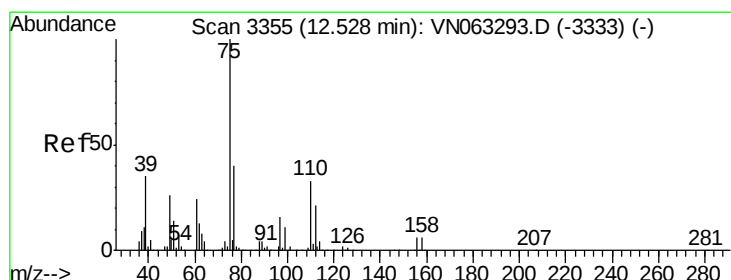
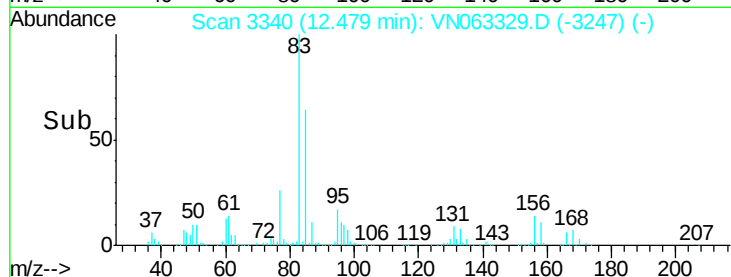
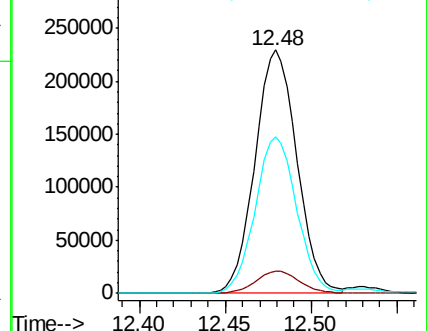
85 63.6 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VN063329.D (-3247) (-)

Ion 130.80 (130.50 to 131.50): VN063329.D (-3247) (-)

Ion 84.90 (84.60 to 85.60): VN063329.D (-3247) (-)



#76

1,2,3-Trichloropropane

Concen: 71.070 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN063329.D

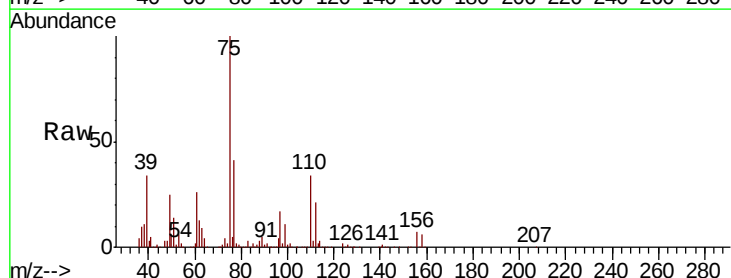
Acq: 11 Sep 2020 21:06

Tgt Ion: 75 Resp: 537041

Ion Ratio Lower Upper

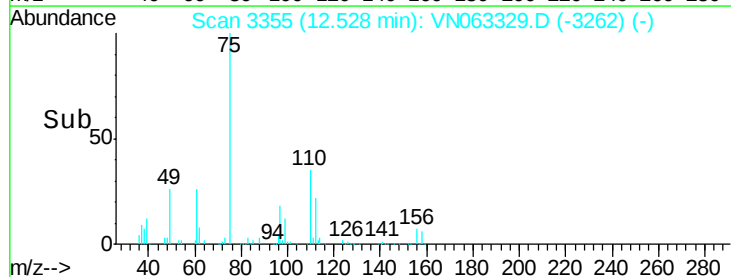
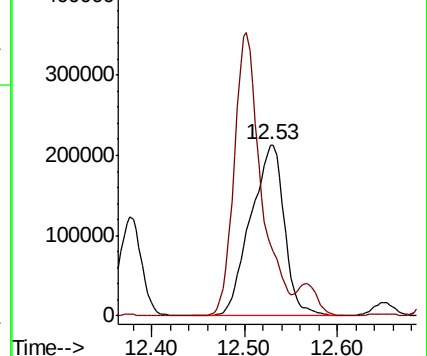
75 100

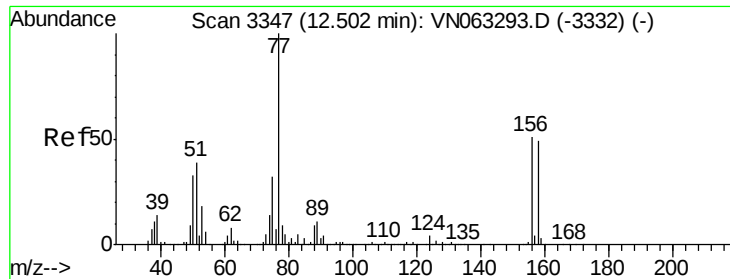
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN063329.D (-3262) (-)

Ion 77.00 (76.70 to 77.70): VN063329.D (-3262) (-)





#77

Bromobenzene

Concen: 49.148 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. -0.00 min

Lab File: VN063329.D

Acq: 11 Sep 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

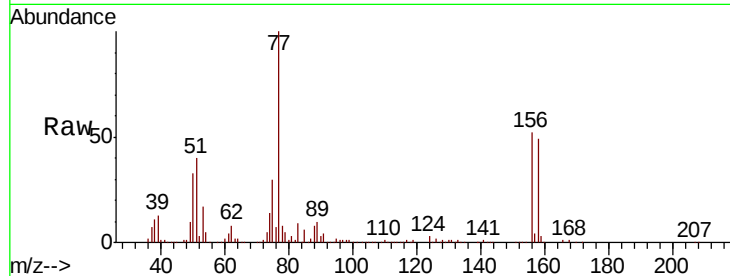
Tot Ion:156 Resp: 312116

Ion Ratio Lower Upper

156 100

77 226.8 117.4 352.2

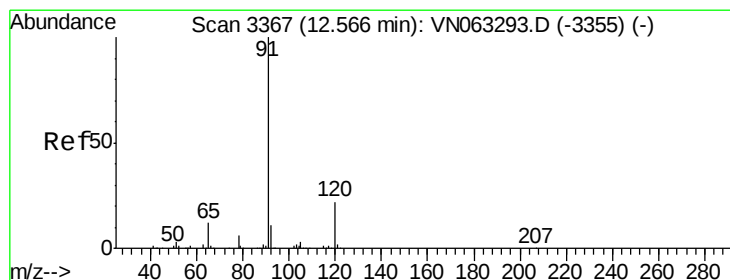
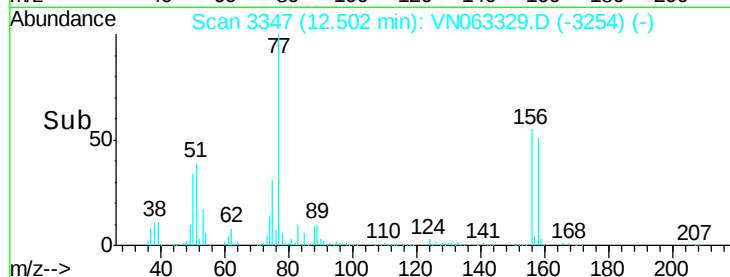
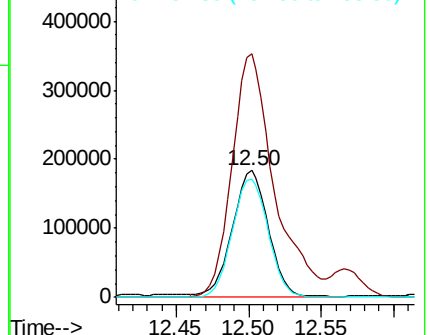
158 94.9 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.006 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN063329.D

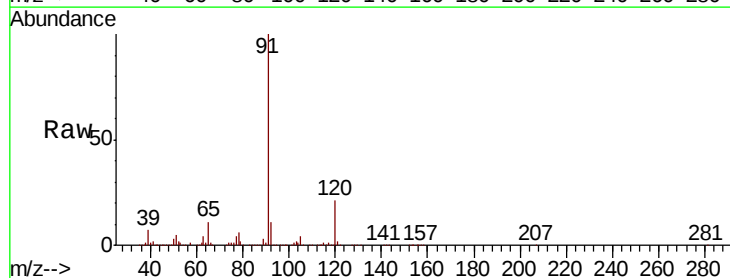
Acq: 11 Sep 2020 21:06

Tgt Ion: 91 Resp: 1538097

Ion Ratio Lower Upper

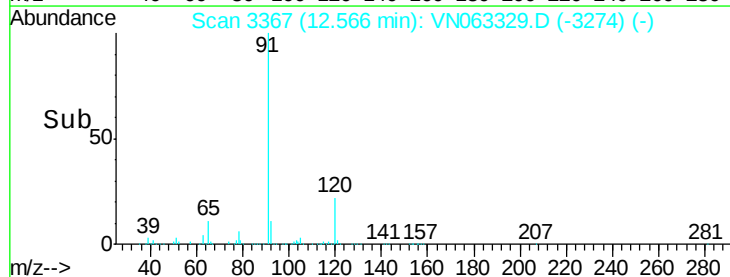
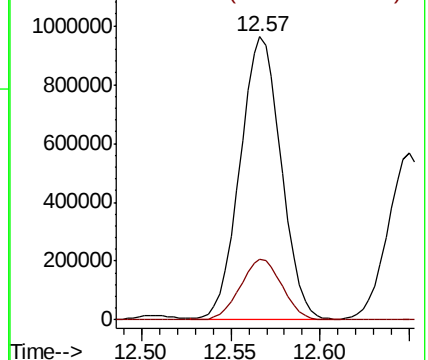
91 100

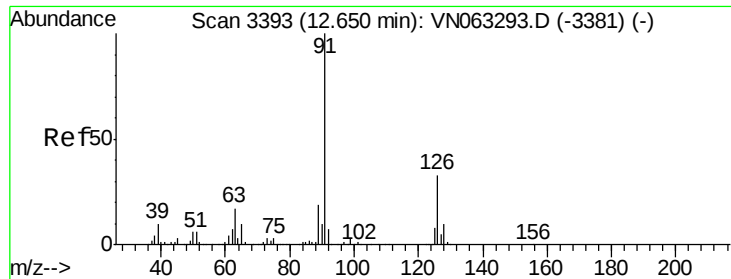
120 22.0 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.829 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. -0.00 min

Lab File: VN063329.D

Acq: 11 Sep 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

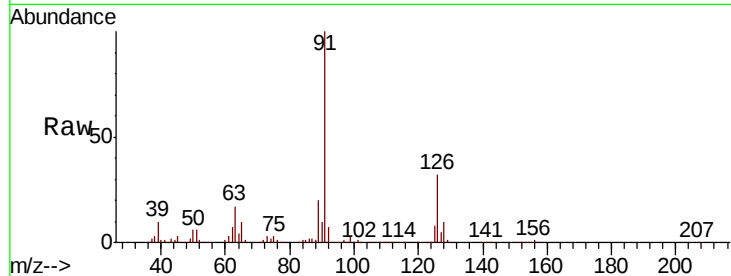
VSTDCCC050EC

Tot Ion: 91 Resp: 923013

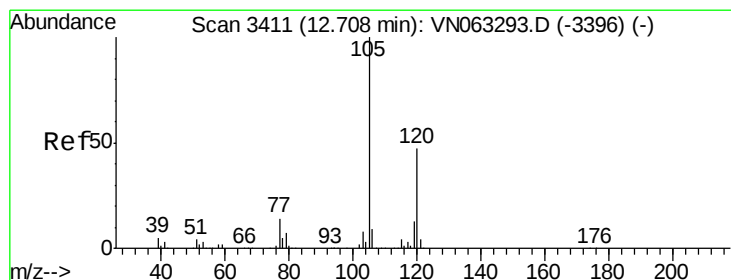
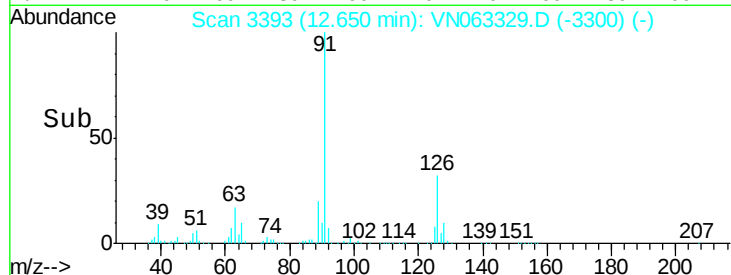
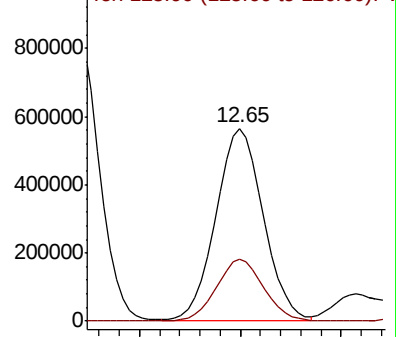
Ion Ratio Lower Upper

91 100

126 32.6 16.3 48.8



Abundance Ion 91.00 (90.70 to 91.70): VN063329.D (-3381) (-)



#80

1,3,5-Trimethylbenzene

Concen: 48.847 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN063329.D

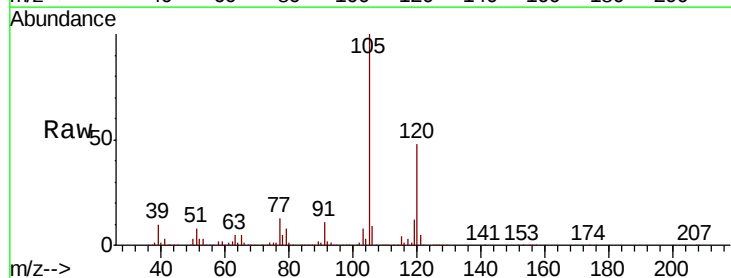
Acq: 11 Sep 2020 21:06

Tgt Ion: 105 Resp: 1120591

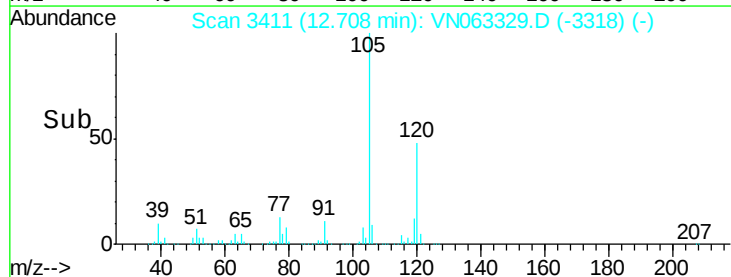
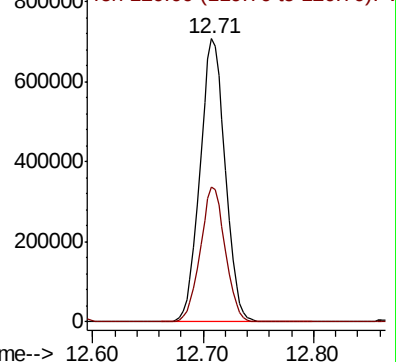
Ion Ratio Lower Upper

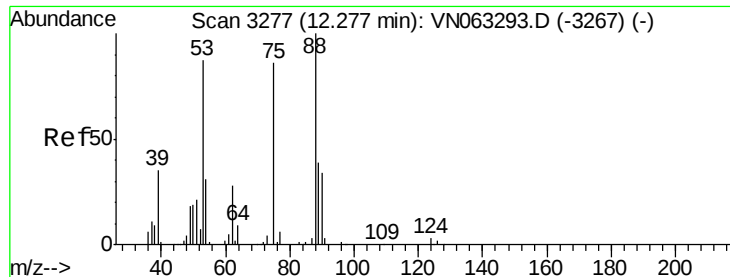
105 100

120 47.2 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN063329.D (-3396) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 47.059 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN063329.D

Acq: 11 Sep 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

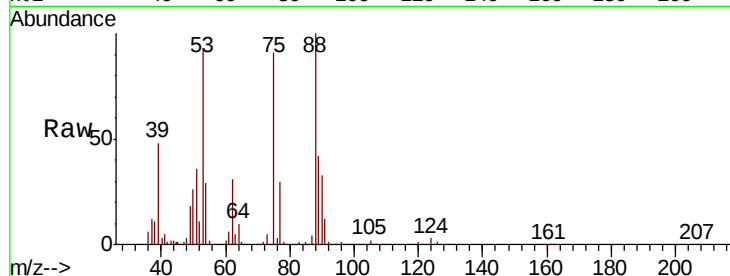
Tot Ion: 75 Resp: 132350

Ion Ratio Lower Upper

75 100

53 104.4 81.8 122.8

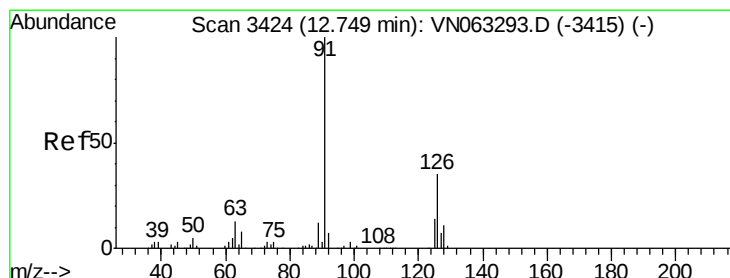
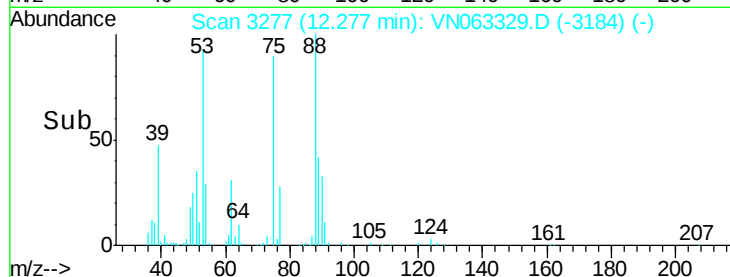
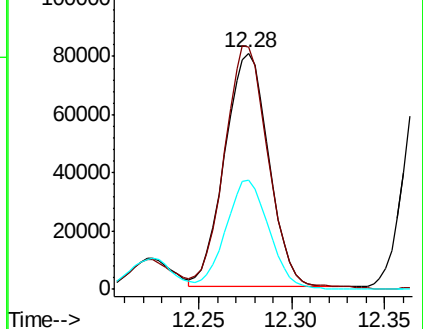
89 46.1 36.7 55.1



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: 47.020 ug/l

RT: 12.75 min Scan# 3424

Delta R.T. 0.00 min

Lab File: VN063329.D

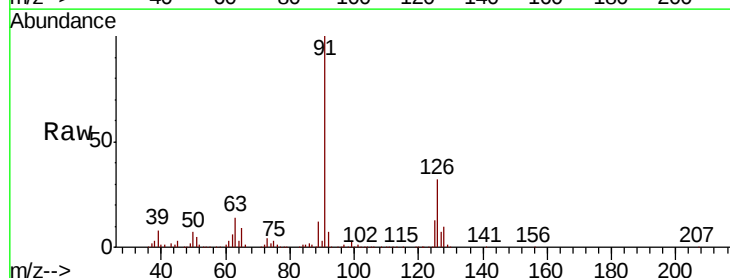
Acq: 11 Sep 2020 21:06

Tgt Ion: 91 Resp: 951172

Ion Ratio Lower Upper

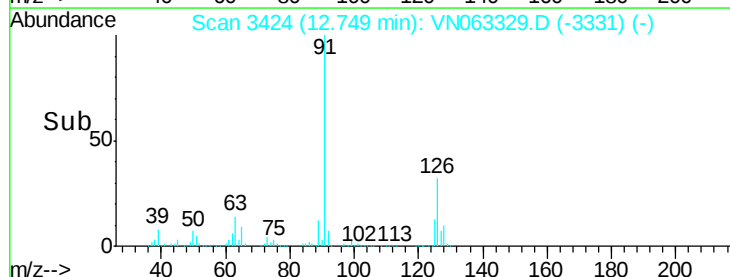
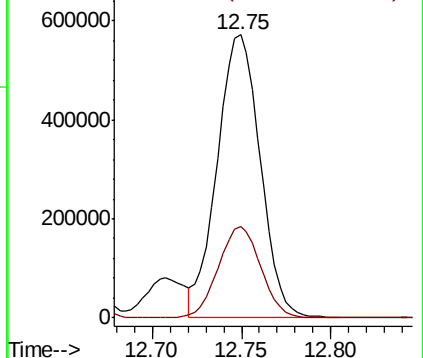
91 100

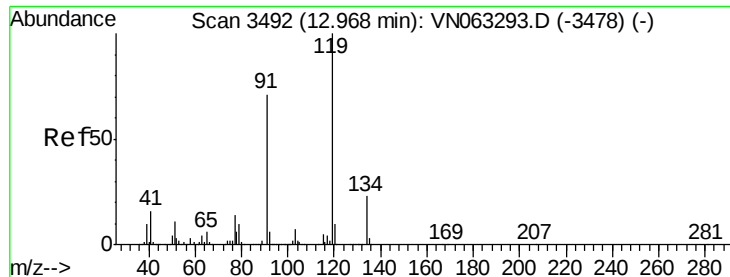
126 32.0 15.9 47.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

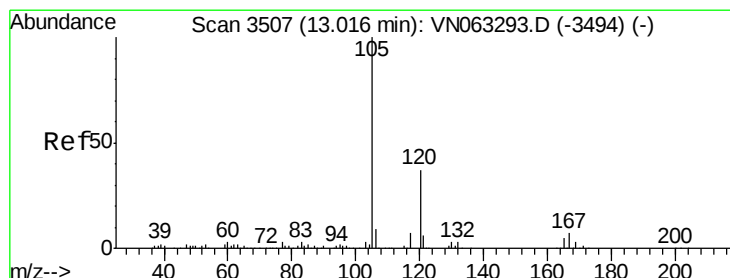
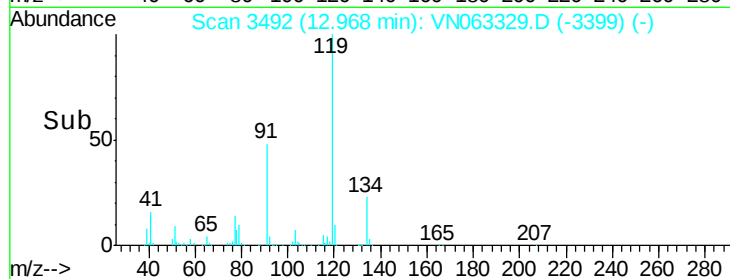
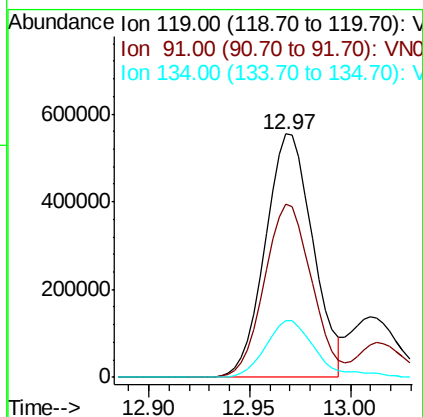
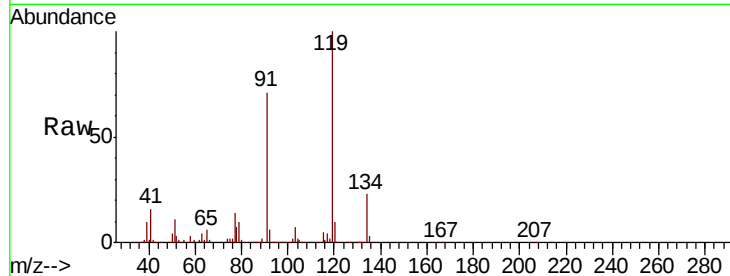




#83
tert-Butylbenzene
Concen: 46.794 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN063329.D
Acq: 11 Sep 2020 21:06

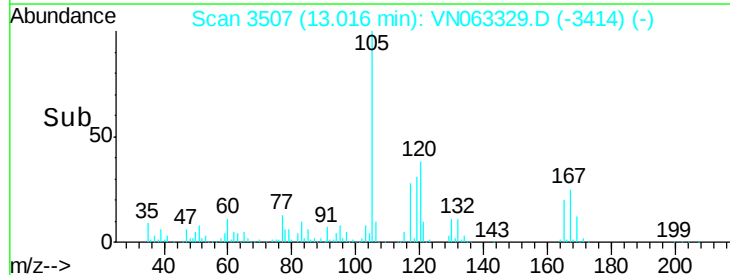
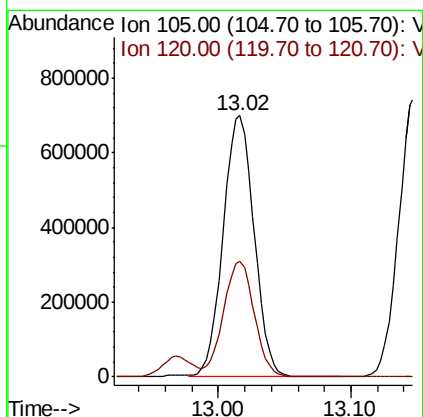
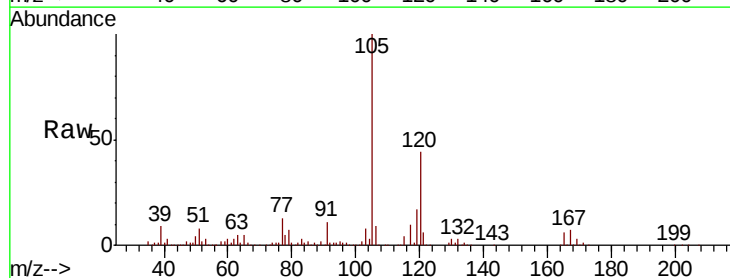
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

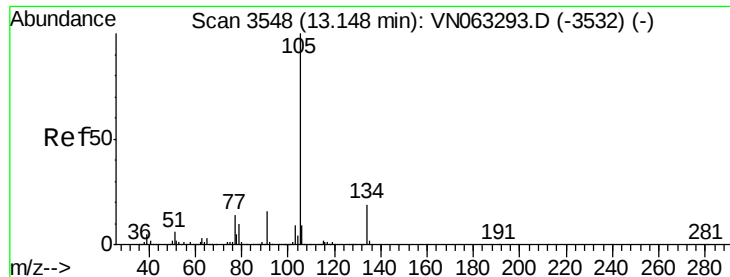
Tot Ion:119 Resp: 910410
Ion Ratio Lower Upper
119 100
91 70.7 34.8 104.3
134 24.5 11.9 35.5



#84
1,2,4-Trimethylbenzene
Concen: 48.896 ug/l
RT: 13.02 min Scan# 3507
Delta R.T. -0.00 min
Lab File: VN063329.D
Acq: 11 Sep 2020 21:06

Tgt Ion:105 Resp: 1130627
Ion Ratio Lower Upper
105 100
120 44.2 21.8 65.4





#85

sec-Butylbenzene

Concen: 48.936 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN063329.D

Acq: 11 Sep 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

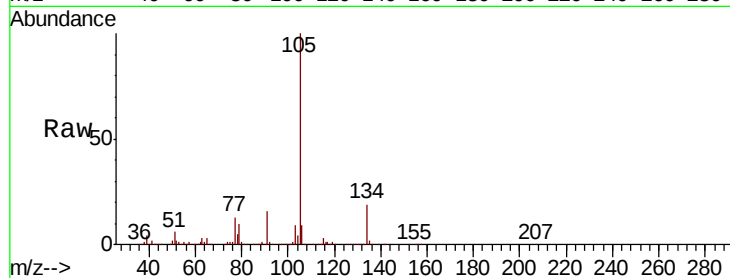
VSTDCCC050EC

Tot Ion:105 Resp: 1211294

Ion Ratio Lower Upper

105 100

134 18.8 9.4 28.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.15

800000

600000

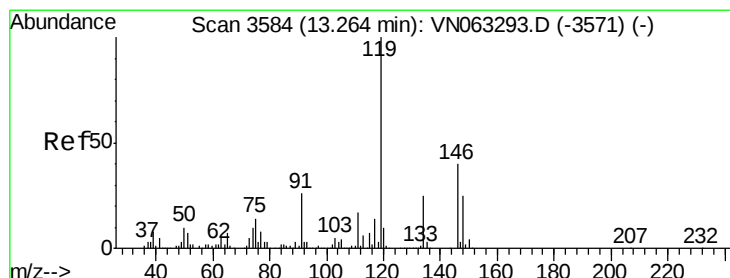
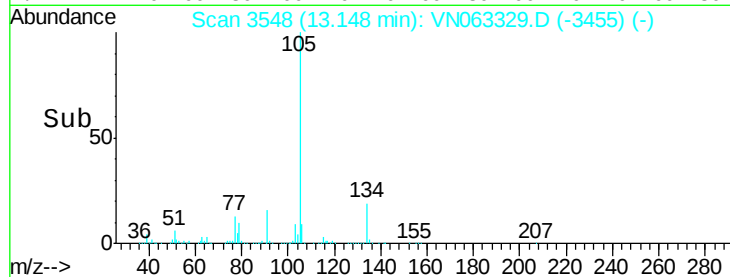
400000

200000

0

13.10 13.20

Time-->



#86

p-Isopropyltoluene

Concen: 48.298 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN063329.D

Acq: 11 Sep 2020 21:06

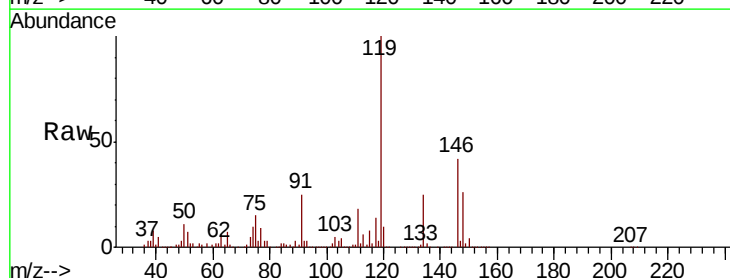
Tgt Ion:119 Resp: 1095997

Ion Ratio Lower Upper

119 100

134 25.5 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

13.26

800000

600000

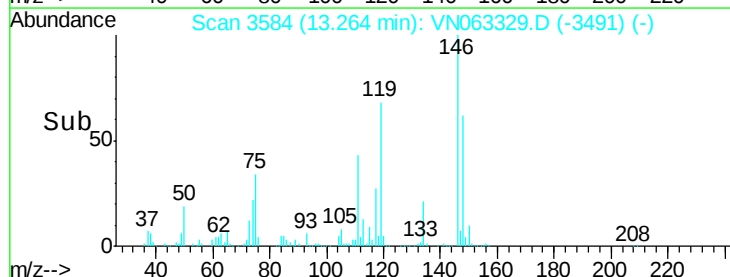
400000

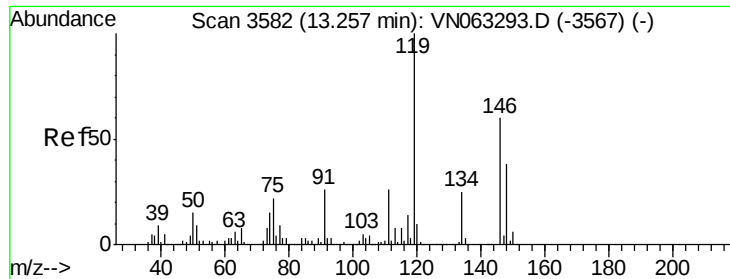
200000

0

13.20 13.25 13.30 13.35

Time-->

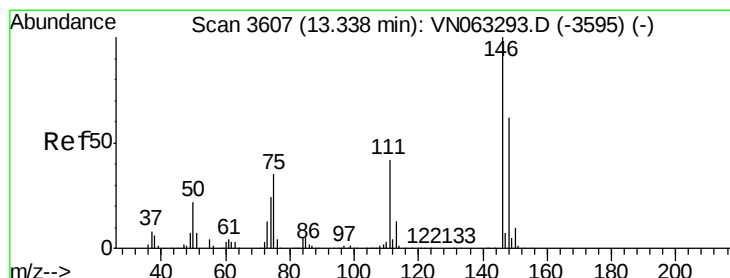
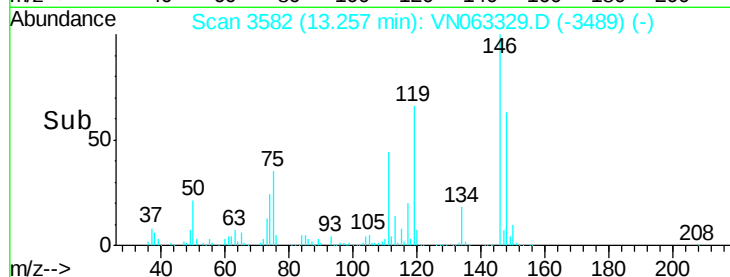
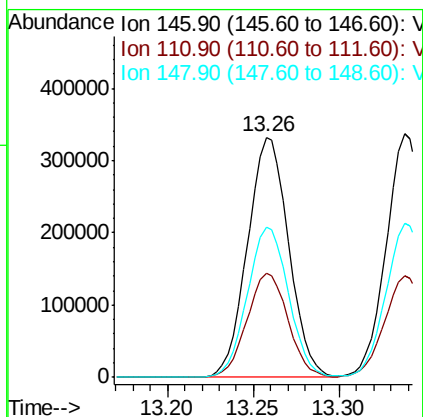
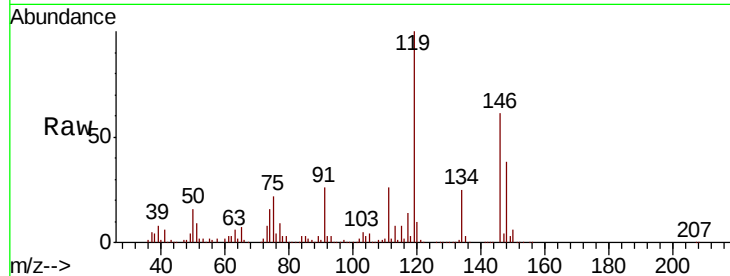




#87
 1,3-Dichlorobenzene
 Concen: 47.638 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN063329.D
 Acq: 11 Sep 2020 21:06

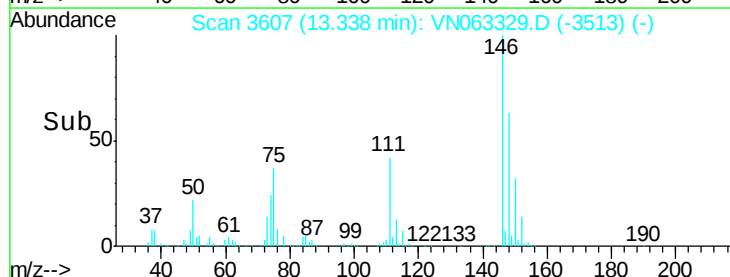
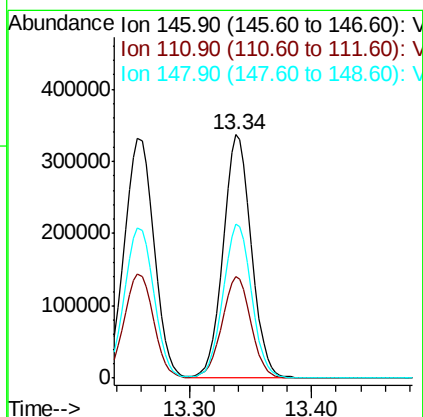
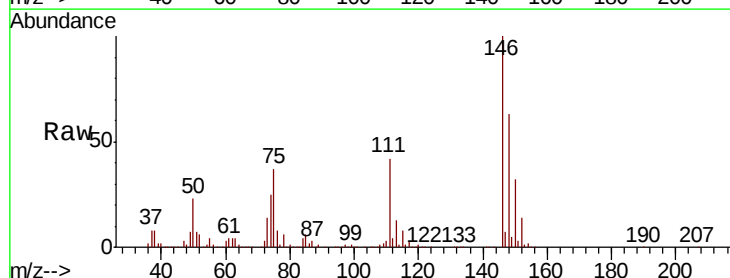
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

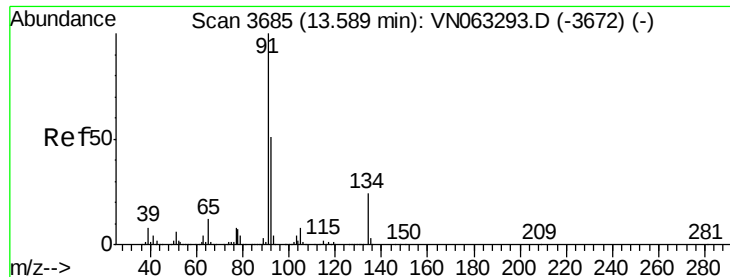
Tot Ion:146 Resp: 553075
 Ion Ratio Lower Upper
 146 100
 111 43.1 21.8 65.4
 148 62.5 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 49.191 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN063329.D
 Acq: 11 Sep 2020 21:06

Tgt Ion:146 Resp: 546308
 Ion Ratio Lower Upper
 146 100
 111 42.6 21.3 64.0
 148 64.1 31.5 94.5

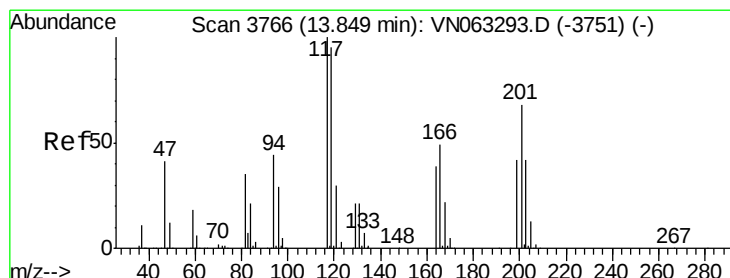
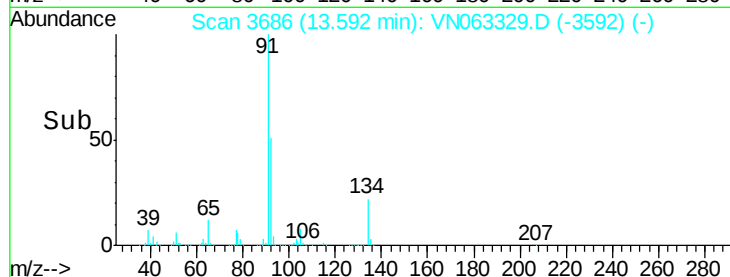
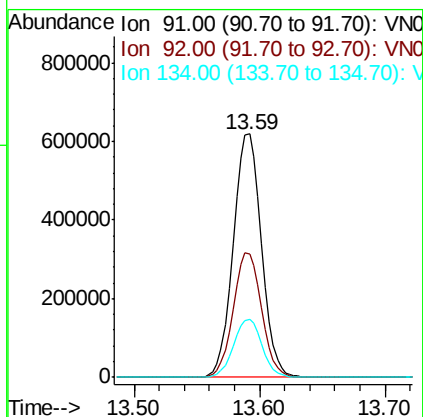
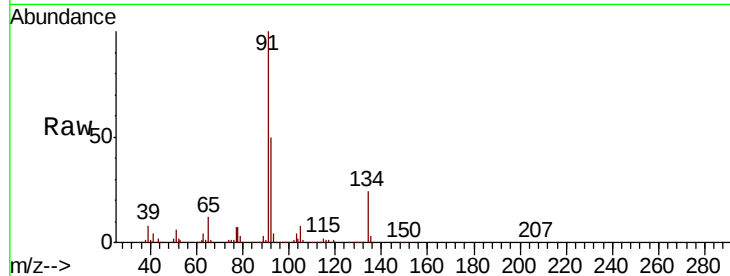




#89
n-Butylbenzene
Concen: 47.075 ug/l
RT: 13.59 min Scan# 3686
Delta R.T. 0.00 min
Lab File: VN063329.D
Acq: 11 Sep 2020 21:06

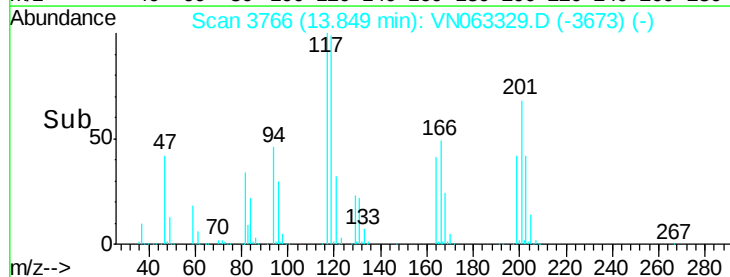
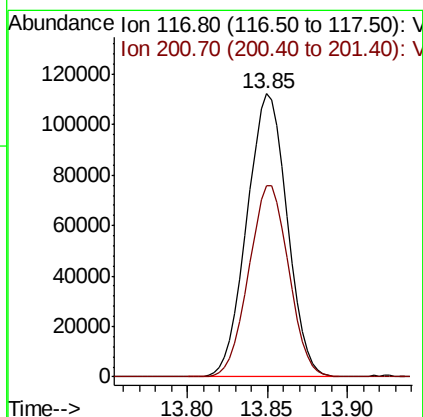
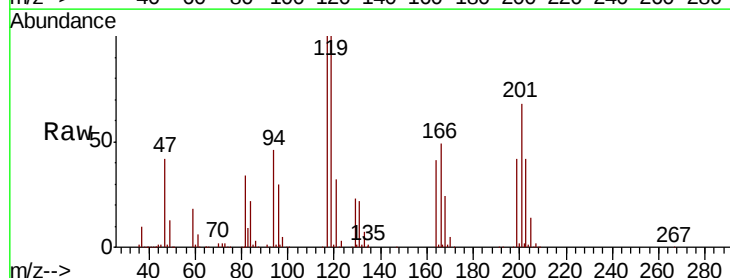
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

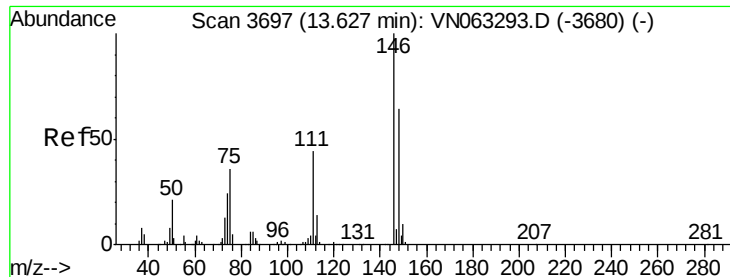
Tot Ion: 91 Resp: 964321
Ion Ratio Lower Upper
91 100
92 51.6 25.8 77.3
134 24.2 12.0 36.0



#90
Hexachloroethane
Concen: 51.863 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN063329.D
Acq: 11 Sep 2020 21:06

Tgt Ion: 117 Resp: 193587
Ion Ratio Lower Upper
117 100
201 66.9 33.5 100.4

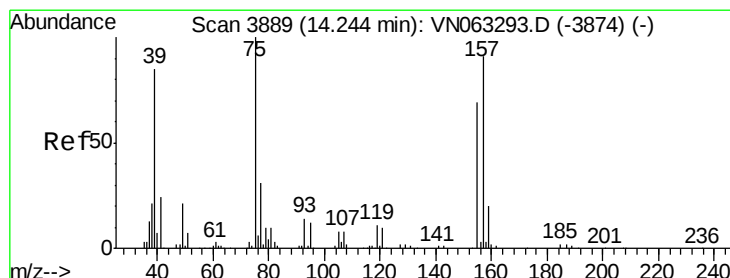
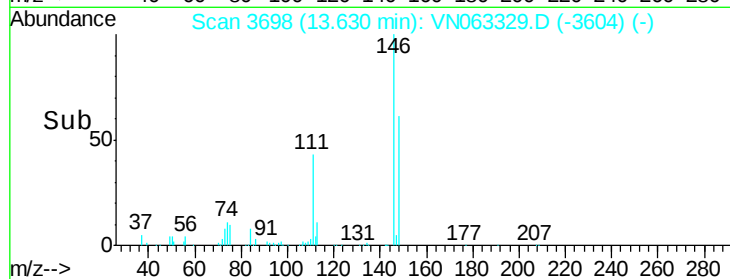
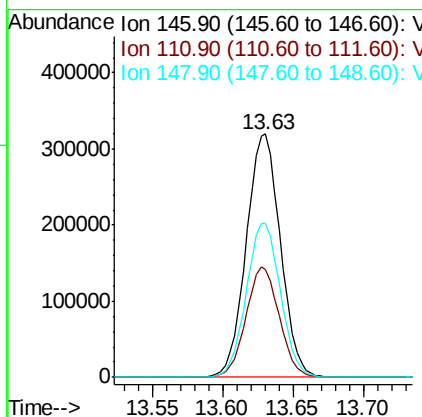
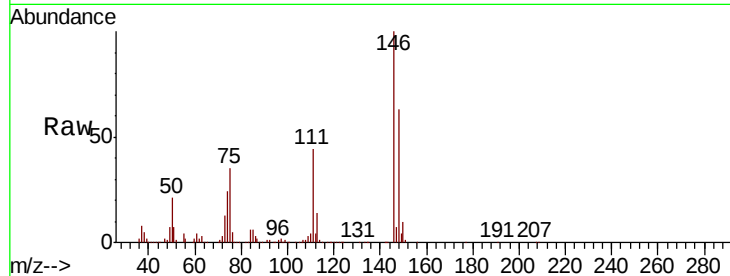




#91
 1,2-Dichlorobenzene
 Concen: 47.333 ug/l
 RT: 13.63 min Scan# 3698
 Delta R.T. 0.00 min
 Lab File: VN063329.D
 Acq: 11 Sep 2020 21:06

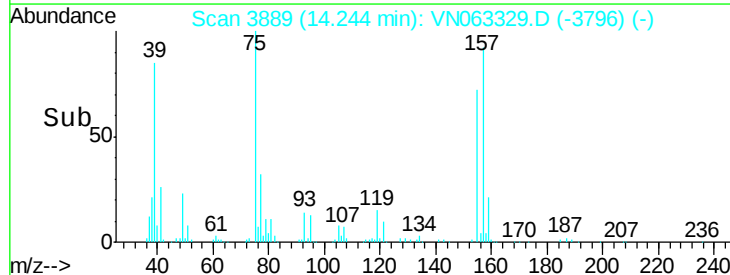
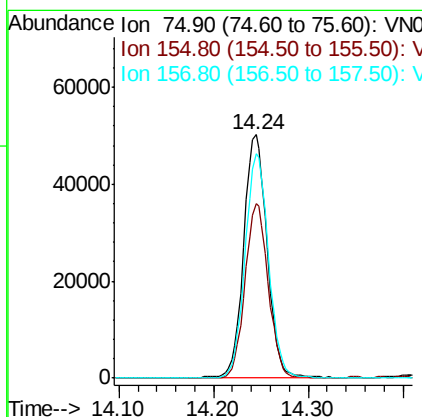
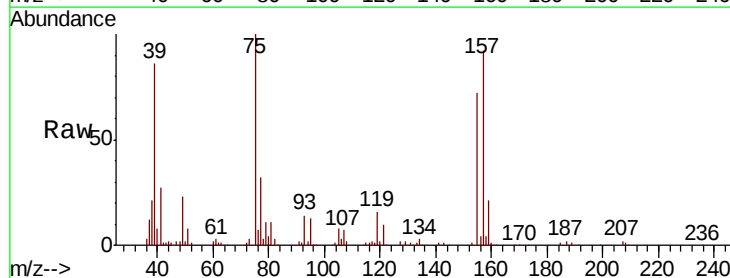
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

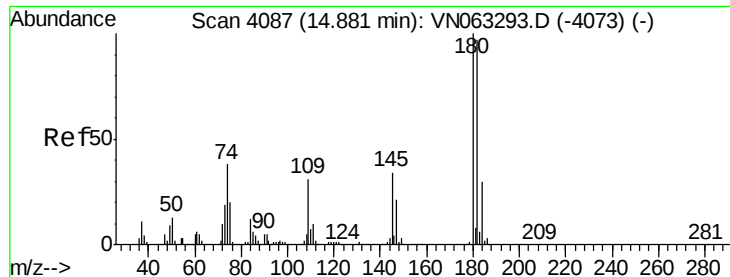
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.3	22.1	66.5
148	63.5	31.8	95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.208 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063329.D
 Acq: 11 Sep 2020 21:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.6	35.3	105.7
157	92.1	46.7	140.0

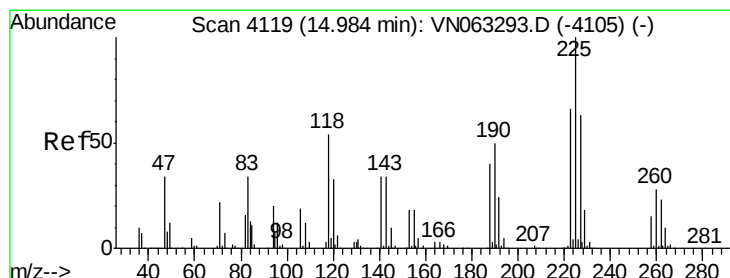
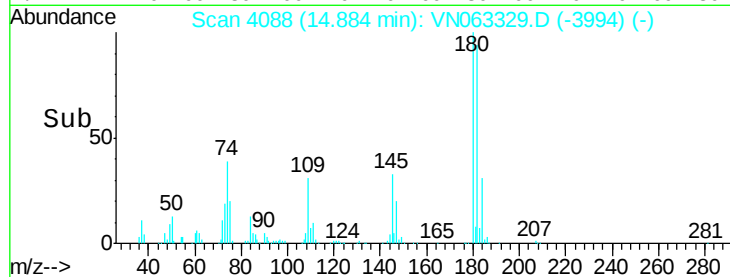
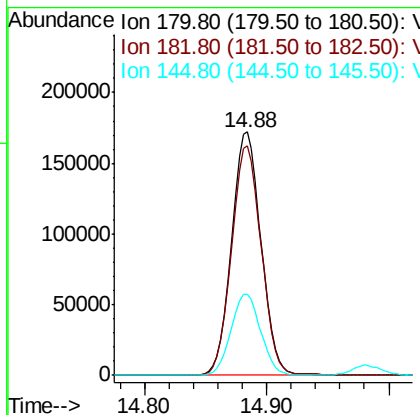
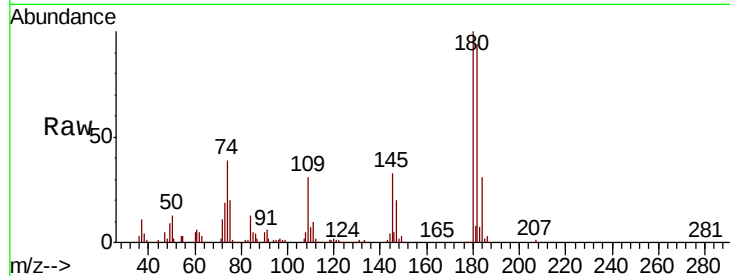




#93
 1,2,4-Trichlorobenzene
 Concen: 43.055 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN063329.D
 Acq: 11 Sep 2020 21:06

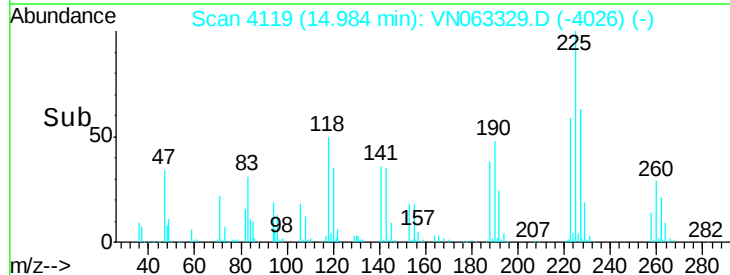
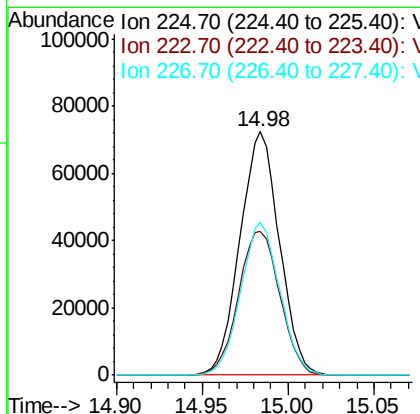
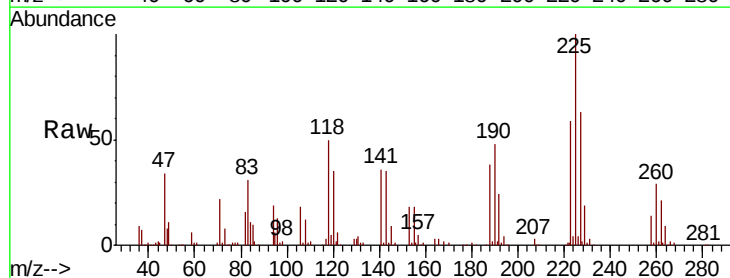
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

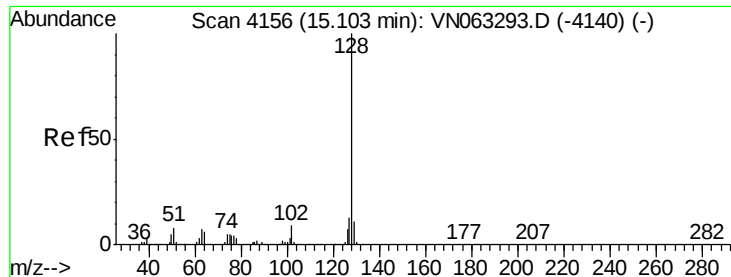
Tot Ion:180 Resp: 289178
 Ion Ratio Lower Upper
 180 100
 182 95.2 48.0 144.2
 145 33.8 16.6 49.8



#94
 Hexachlorobutadiene
 Concen: 47.664 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN063329.D
 Acq: 11 Sep 2020 21:06

Tgt Ion:225 Resp: 115544
 Ion Ratio Lower Upper
 225 100
 223 62.0 31.3 93.9
 227 62.1 31.2 93.6





#95

Naphthalene

Concen: 48.449 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN063329.D

Acq: 11 Sep 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

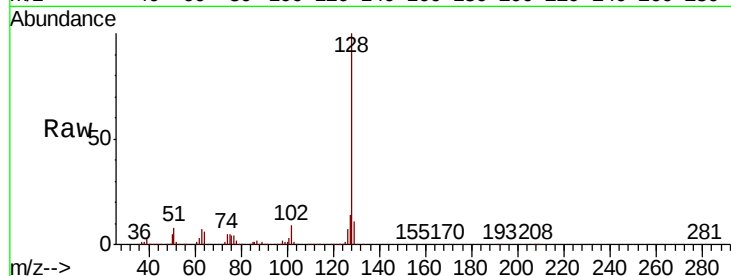
Tot Ion:128 Resp: 978481

Ion Ratio Lower Upper

128 100

127 13.3 10.3 15.5

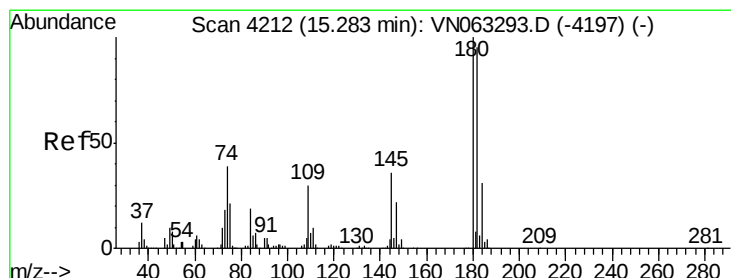
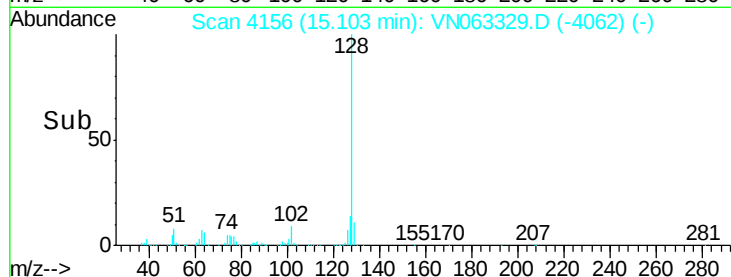
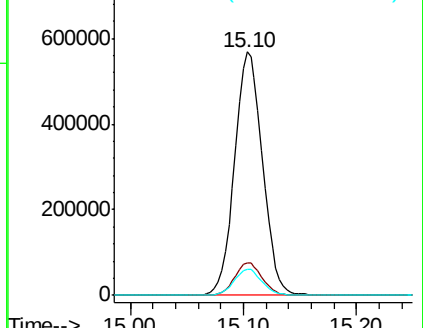
129 10.7 8.6 12.8



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: 47.263 ug/l

RT: 15.29 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN063329.D

Acq: 11 Sep 2020 21:06

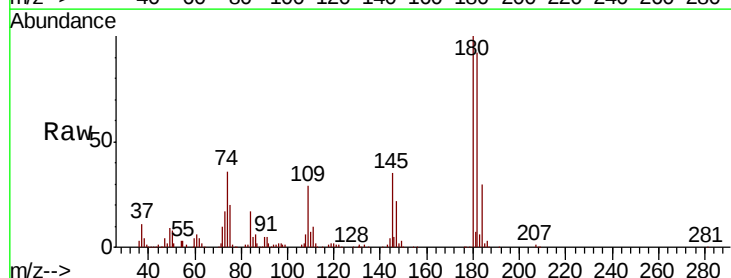
Tgt Ion:180 Resp: 285156

Ion Ratio Lower Upper

180 100

182 93.7 47.4 142.3

145 34.6 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

