

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072920\
 Data File : VL035233.D
 Acq On : 29 Jul 2020 2:44
 Operator : SY/AP
 Sample : VSTICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 29 03:33:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 29 03:31:38 2020
 QLast Update : Wed Jul 29 03:31:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1475339	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3525553	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	4173738	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.46	95	2752031	8.10	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.00%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.01	85	1552345	7.650	ppbv 100
3) Chlorodifluoromethane	2.94	51	1411599	8.639	ppbv 100
4) Chloromethane	3.10	50	801703	8.694	ppbv 100
5) Vinyl Chloride	3.22	62	836337	8.478	ppbv 100
6) Bromomethane	3.44	94	524129	9.358	ppbv 100
7) Chloroethane	3.52	64	318709	9.133	ppbv 100
8) Dichlorotetrafluoroethane	3.15	85	1947715	8.556	ppbv 100
9) Propene	2.97	41	547713	8.953	ppbv 100
10) Heptane	8.14	43	1629141	10.251	ppbv 100
11) Trichlorofluoromethane	3.92	101	2096886	8.919	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1484130	8.985	ppbv 100
13) Ethanol	3.57	45	144834	7.209	ppbv 97
14) Bromoethene	3.71	108	636126	9.377	ppbv 100
15) Acetone	3.82	43	1552831	7.742	ppbv 100
16) 1,3-Butadiene	3.29	39	731397	9.518	ppbv 100
17) tert-Butyl alcohol	4.27	59	1702485	9.507	ppbv 100
18) 1,1-Dichloroethene	4.26	96	691812	9.449	ppbv 100
19) Isopropyl Alcohol	3.94	45	1112397	9.099	ppbv 100
20) Methylene Chloride	4.32	84	619962	7.070	ppbv 100
21) Allyl Chloride	4.39	41	1078133	9.232	ppbv 100
22) trans-1,2-Dichloroethene	4.87	96	666499	9.168	ppbv 100
23) Vinyl Acetate	5.06	43	1971982	9.197	ppbv 100
24) 1,1-Dichloroethane	5.00	63	1671321	8.977	ppbv 100
25) Ethyl Acetate	5.67	43	2854872	9.189	ppbv 100
26) Hexane	5.68	57	1292251	9.412	ppbv 100
27) Carbon Disulfide	4.53	76	1784416	9.345	ppbv 100
28) Methyl tert-Butyl Ether	5.01	73	1967000	9.439	ppbv 100
29) Chloroform	5.75	83	2087789	9.051	ppbv 100
30) Cyclohexane	7.14	84	1081665	10.666	ppbv 100
31) cis-1,2-Dichloroethene	5.54	61	1243213	9.635	ppbv 100
32) 1,1,1-Trichloroethane	6.52	97	2071533	8.982	ppbv 100
34) 2-Butanone	5.23	43	1738117	9.244	ppbv 100
35) Carbon Tetrachloride	7.03	117	2180201	9.467	ppbv 100
36) Benzene	6.90	78	2495665	9.771	ppbv 100
37) 1,2-Dichloroethane	6.31	62	1624327	9.418	ppbv 100
38) Trichloroethene	7.85	130	1063900	10.159	ppbv 100
39) 1,2-Dichloropropane	7.63	63	994830	9.736	ppbv 100
40) 1,4-Dioxane	7.84	88	412868	10.136	ppbv 100
41) Tetrahydrofuran	6.04	42	939830	10.043	ppbv 100
42) Bromodichloromethane	7.81	83	2270189	9.857	ppbv 100
43) Methyl Methacrylate	8.03	69	1185223	10.903	ppbv 100

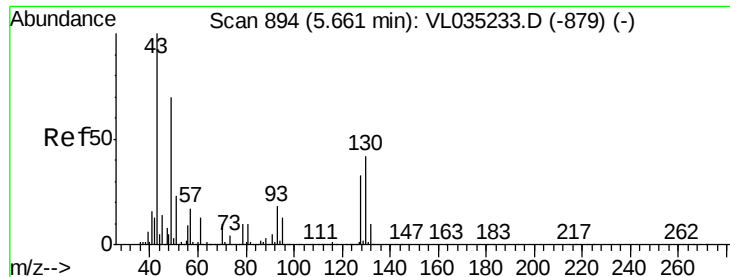
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072920\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4402479	9.945	ppbv	100
45) t-1,3-Dichloropropene	9.30	75	1311010	11.529	ppbv	100
46) cis-1,3-Dichloropropene	8.72	75	1554672	11.491	ppbv	100
47) 1,1,2-Trichloroethane	9.50	97	1121333	9.995	ppbv	100
48) Dibromochloromethane	10.34	129	1912737	10.492	ppbv	100
49) Bromoform	13.08	173	994337	6.178	ppbv #	43
50) 4-Methyl-2-Pentanone	8.76	43	2770667	10.234	ppbv	100
51) 2-Hexanone	10.16	43	2266986	10.936	ppbv	100
52) Tetrachloroethene	11.26	164	957241	9.959	ppbv	100
53) Toluene	9.83	91	3004541	11.096	ppbv	100
54) 1,2-Dibromoethane	10.64	107	1702966	10.237	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.17	131	1490774	7.952	ppbv	100
57) Chlorobenzene	12.18	112	2452897	7.851	ppbv	100
58) Ethyl Benzene	12.75	91	4180253	8.957	ppbv	100
59) m/p-Xylene	13.03	91	3585649	8.595	ppbv #	32
60) o-Xylene	13.73	91	3572742	8.583	ppbv	100
61) Styrene	13.57	104	2505505	9.747	ppbv	100
62) Isopropylbenzene	14.71	105	5228181	8.472	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.72	83	2648267	7.616	ppbv	100
64) n-propylbenzene	15.61	120	1408991	8.819	ppbv	100
65) tert-Butylbenzene	16.79	119	4672531	8.434	ppbv	100
66) Benzyl Chloride	17.04	91	1966662	9.855	ppbv	100
67) sec-Butylbenzene	17.34	105	6687821	8.287	ppbv	100
69) p-Isopropyltoluene	17.70	119	5669477	8.897	ppbv	100
70) n-Butylbenzene	18.60	91	5952104	8.807	ppbv	100
71) 2-Chlorotoluene	15.50	91	4085759	8.745	ppbv	100
72) 4-Ethyltoluene	15.89	105	4261562	9.057	ppbv	99
73) 1,3,5-Trimethylbenzene	16.04	105	3983780	8.799	ppbv	100
74) 1,2,4-Trimethylbenzene	16.81	105	4270116	8.493	ppbv	100
75) 1,3-Dichlorobenzene	17.05	146	2520482	7.887	ppbv	100
76) 1,4-Dichlorobenzene	17.19	146	2517092	8.484	ppbv	100
77) 1,2-Dichlorobenzene	17.87	146	2435482	8.448	ppbv	100
78) Hexachloro-1,3-Butadiene	23.43	225	1716760	7.601	ppbv	100
79) Naphthalene	22.27	128	3848357	11.514	ppbv	100
80) Naphthalene, 2-methyl-	25.02	142	1379510	17.324	ppbv	100
81) 1,2,4-Trichlorobenzene	22.00	180	2148948	10.190	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. 0.00 min

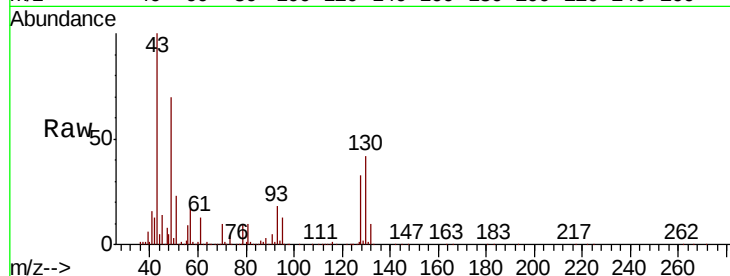
Lab File: VL035233.D

Acq: 29 Jul 2020 2:44

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 49 Resp: 1475339

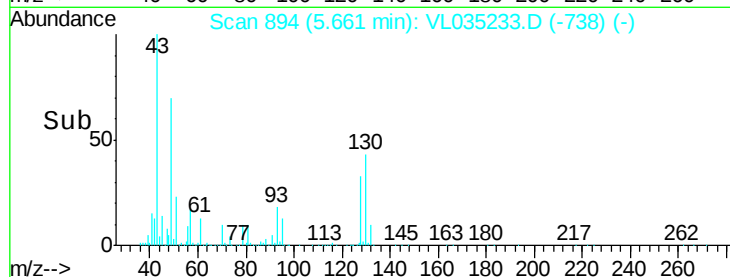
Ion	Ratio	Lower	Upper
49	100		
128	47.9	24.0	72.0
130	61.3	30.7	92.1



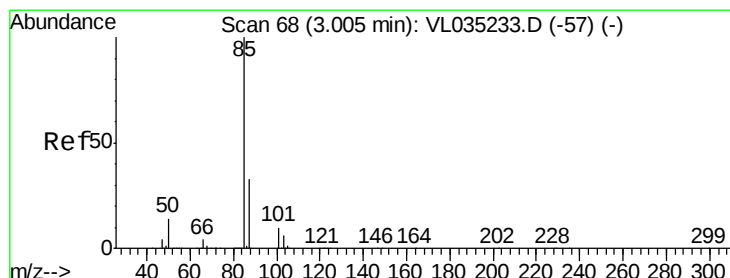
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



Time-->



#2

Dichlorodifluoromethane

Concen: 7.650 ppbv

RT: 3.01 min Scan# 68

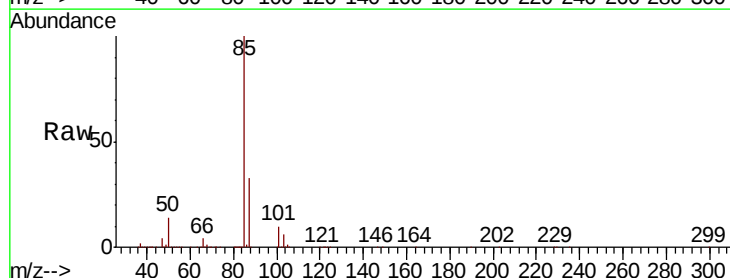
Delta R.T. 0.00 min

Lab File: VL035233.D

Acq: 29 Jul 2020 2:44

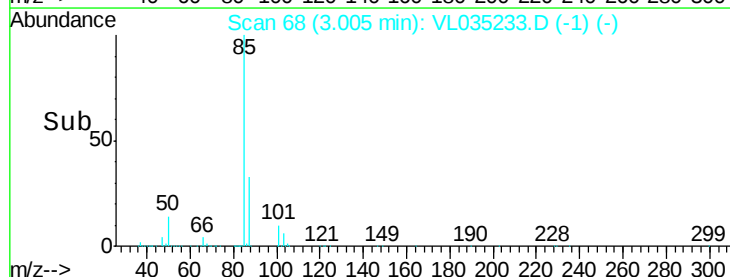
Tgt Ion: 85 Resp: 1552345

Ion	Ratio	Lower	Upper
85	100		
87	33.4	26.7	40.1

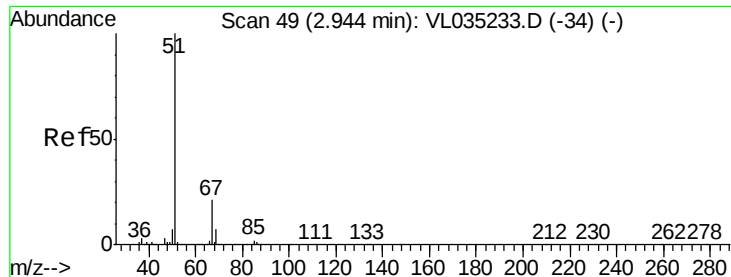


Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0



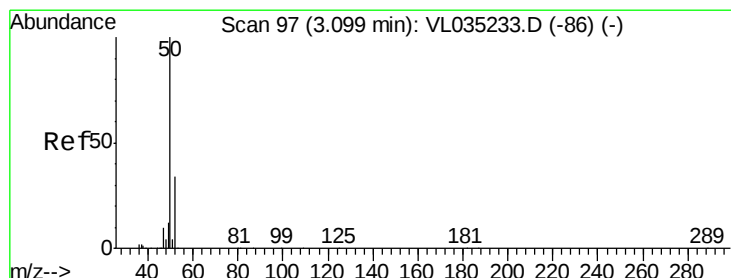
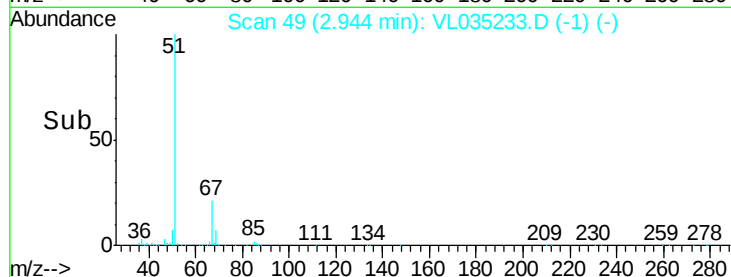
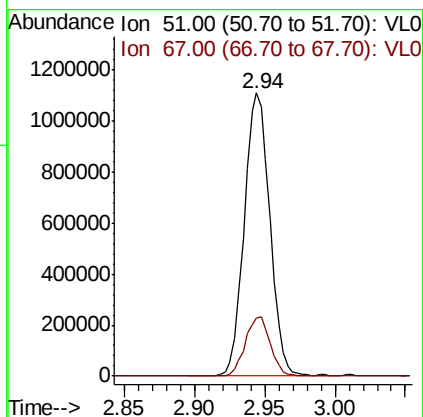
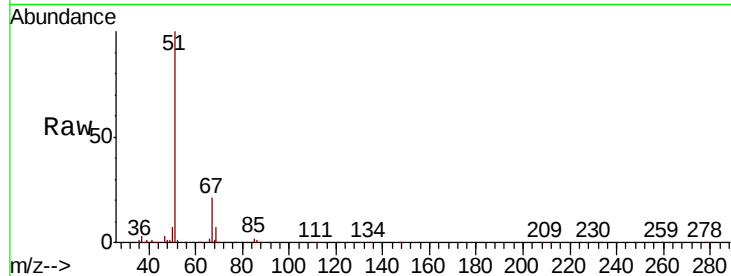
Time-->



#3
 Chlorodifluoromethane
 Concen: 8.639 ppbv
 RT: 2.94 min Scan# 49
 Delta R.T. 0.00 min
 Lab File: VL035233.D
 Acq: 29 Jul 2020 2:44

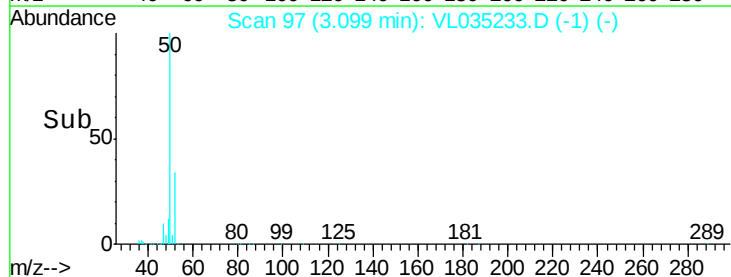
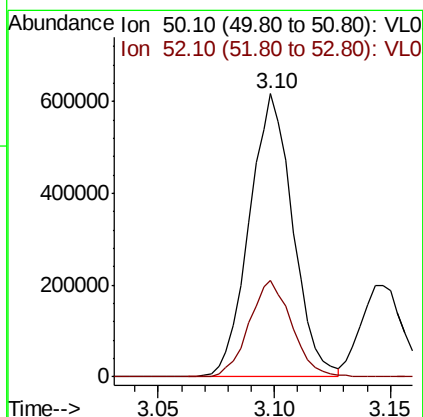
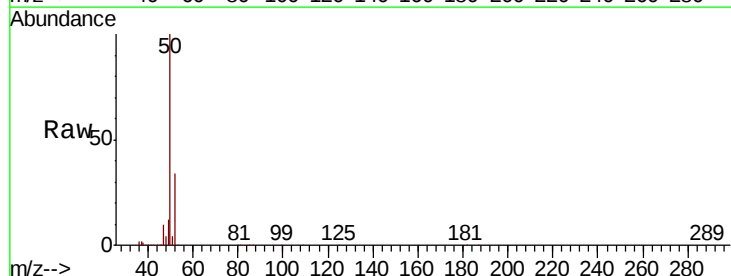
Instrument :
 MSVOA_L
 ClientSampleId :

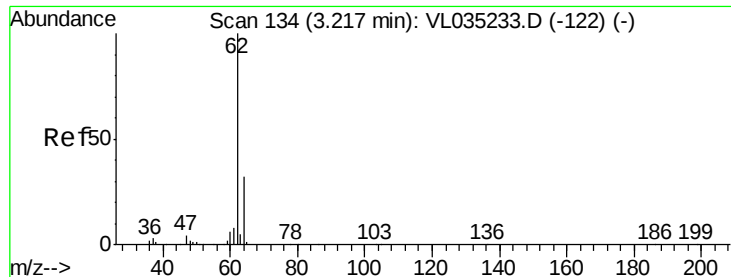
Tot Ion: 51 Resp: 1411599
 Ion Ratio Lower Upper
 51 100
 67 20.8 16.6 25.0



#4
 Chloromethane
 Concen: 8.694 ppbv
 RT: 3.10 min Scan# 97
 Delta R.T. 0.00 min
 Lab File: VL035233.D
 Acq: 29 Jul 2020 2:44

Tgt Ion: 50 Resp: 801703
 Ion Ratio Lower Upper
 50 100
 52 33.9 27.1 40.7





#5

Vinyl Chloride

Concen: 8.478 ppbv

RT: 3.22 min Scan# 134

Delta R.T. 0.00 min

Lab File: VL035233.D

Acq: 29 Jul 2020 2:44

Instrument :

MSVOA_L

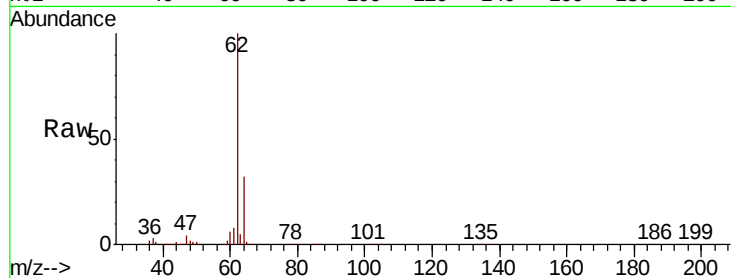
ClientSampleId :

Tot Ion: 62 Resp: 836337

Ion Ratio Lower Upper

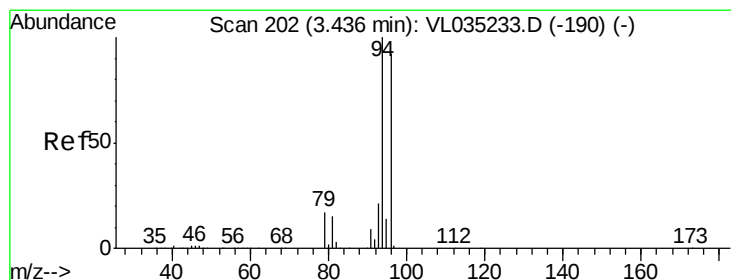
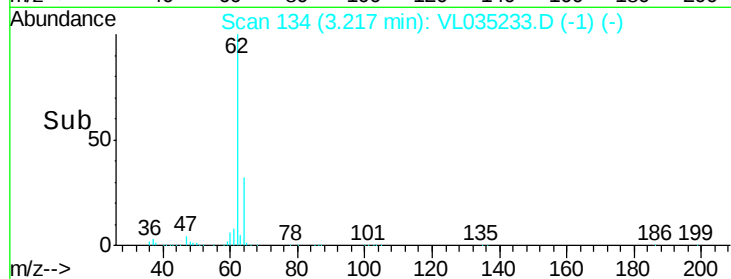
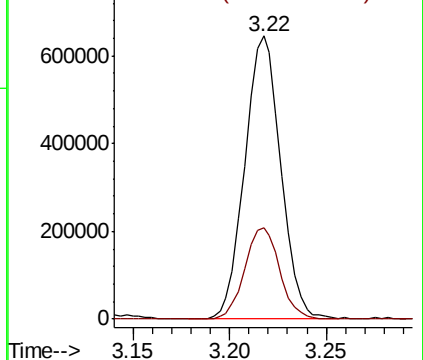
62 100

64 32.2 25.8 38.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.358 ppbv

RT: 3.44 min Scan# 202

Delta R.T. 0.00 min

Lab File: VL035233.D

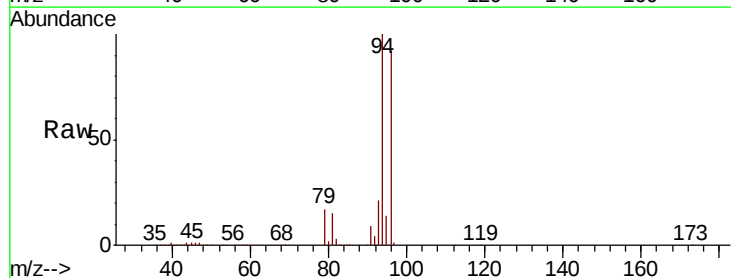
Acq: 29 Jul 2020 2:44

Tgt Ion: 94 Resp: 524129

Ion Ratio Lower Upper

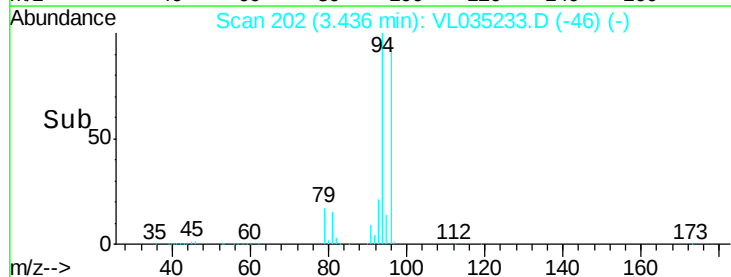
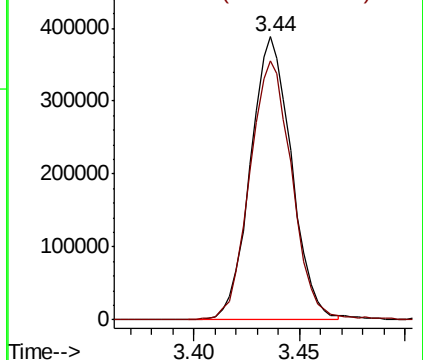
94 100

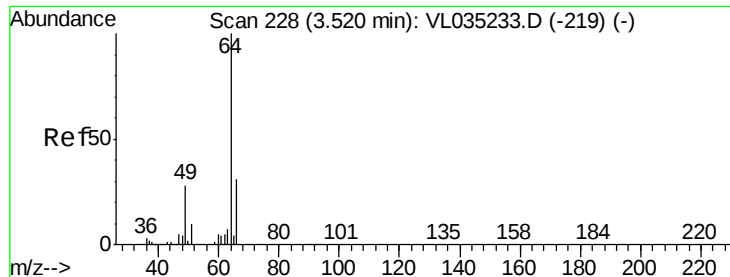
96 91.5 73.2 109.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.133 ppbv

RT: 3.52 min Scan# 228

Delta R.T. 0.00 min

Lab File: VL035233.D

Acq: 29 Jul 2020 2:44

Instrument :

MSVOA_L

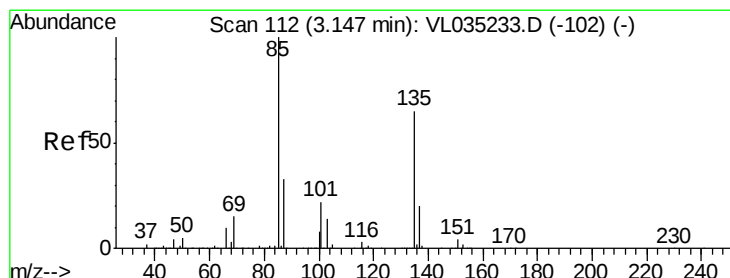
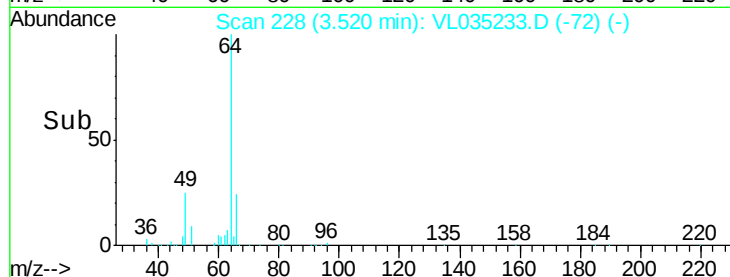
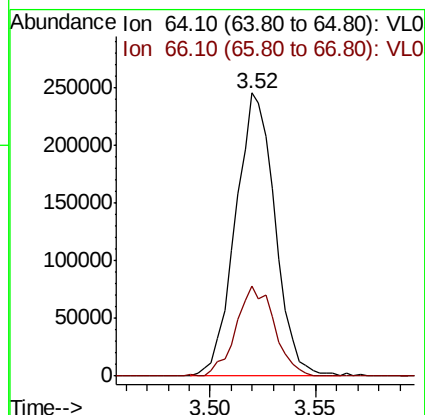
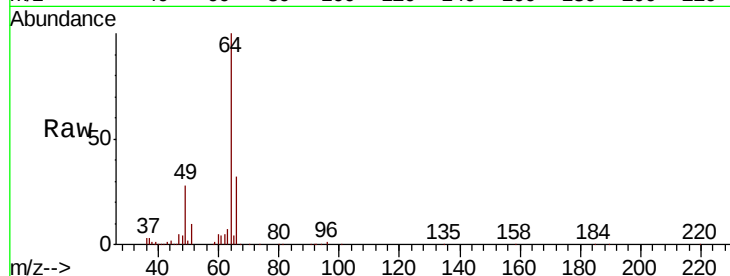
ClientSampled :

Tot Ion: 64 Resp: 318709

Ion Ratio Lower Upper

64 100

66 32.0 25.6 38.4



#8

Dichlorotetrafluoroethane

Concen: 8.556 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL035233.D

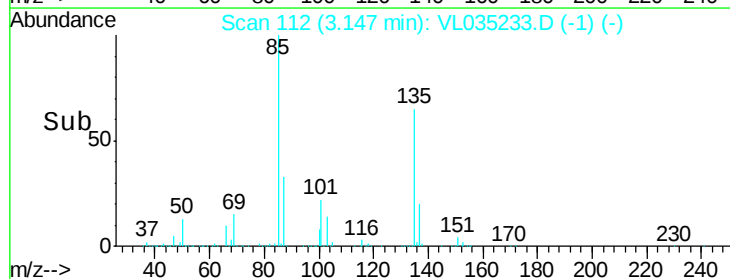
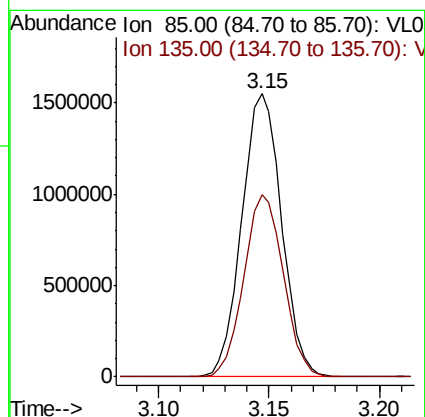
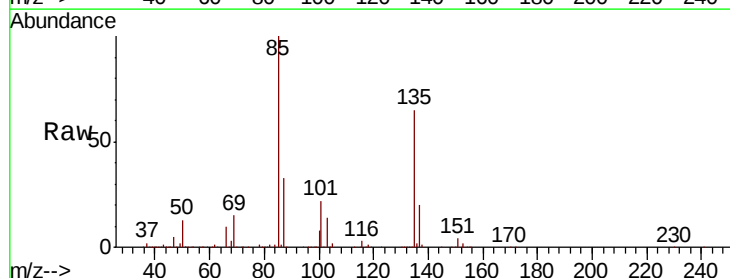
Acq: 29 Jul 2020 2:44

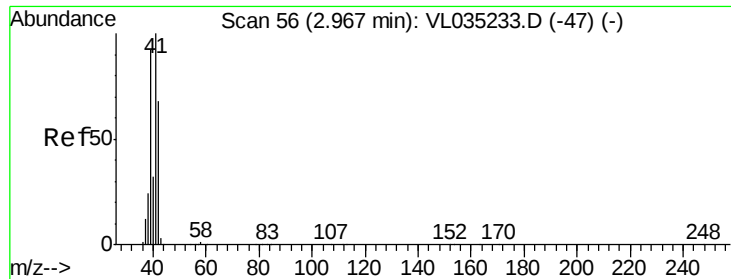
Tgt Ion: 85 Resp: 1947715

Ion Ratio Lower Upper

85 100

135 64.2 51.4 77.0





#9

Propene

Concen: 8.953 ppbv

RT: 2.97 min Scan# 56

Delta R.T. 0.00 min

Lab File: VL035233.D

Acq: 29 Jul 2020 2:44

Instrument :

MSVOA_L

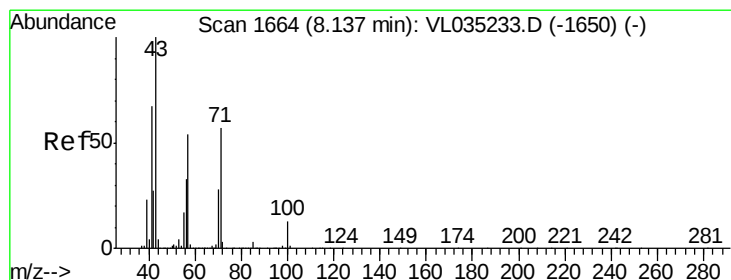
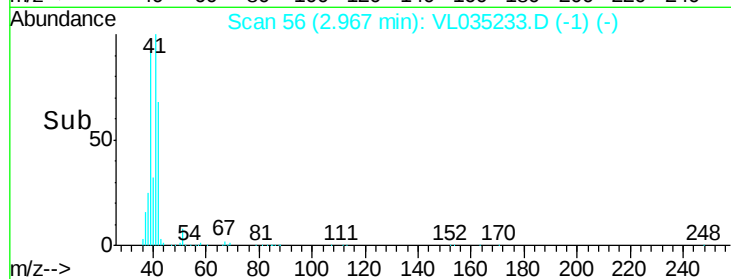
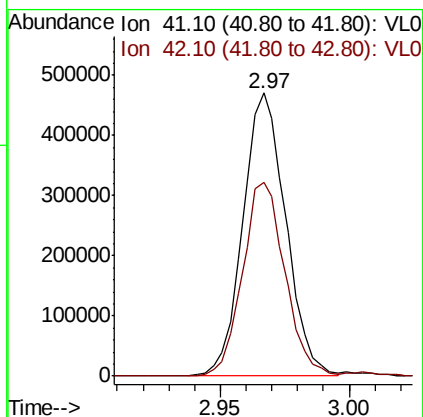
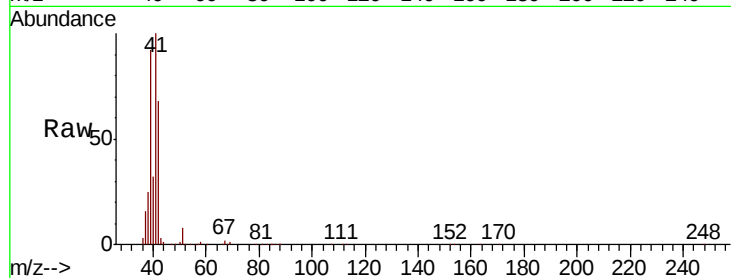
ClientSampleId :

Tot Ion: 41 Resp: 547713

Ion Ratio Lower Upper

41 100

42 68.8 55.0 82.6



#10

Heptane

Concen: 10.251 ppbv

RT: 8.14 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VL035233.D

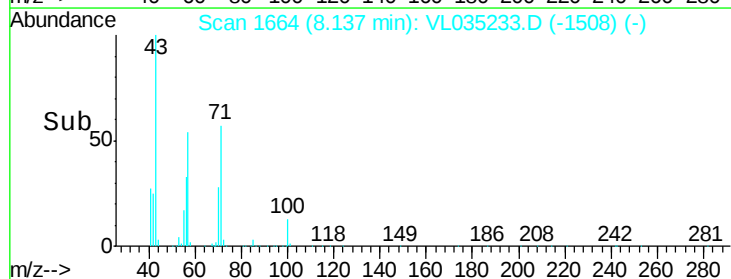
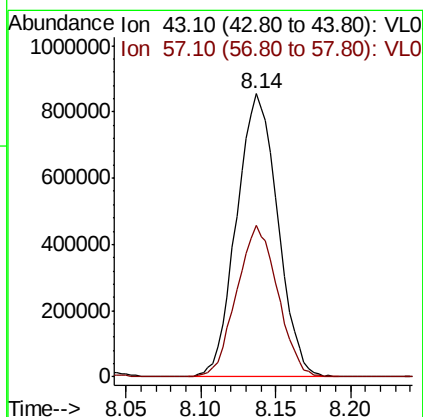
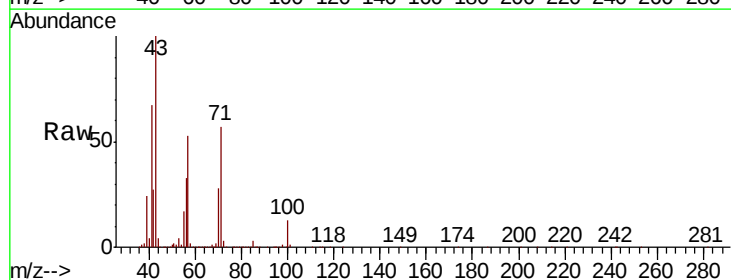
Acq: 29 Jul 2020 2:44

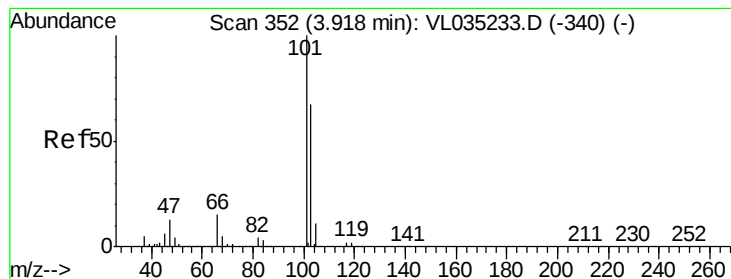
Tgt Ion: 43 Resp: 1629141

Ion Ratio Lower Upper

43 100

57 53.7 43.0 64.4





#11

Trichlorofluoromethane

Concen: 8.919 ppbv

RT: 3.92 min Scan# 352

Delta R.T. 0.00 min

Lab File: VL035233.D

Acq: 29 Jul 2020 2:44

Instrument :

MSVOA_L

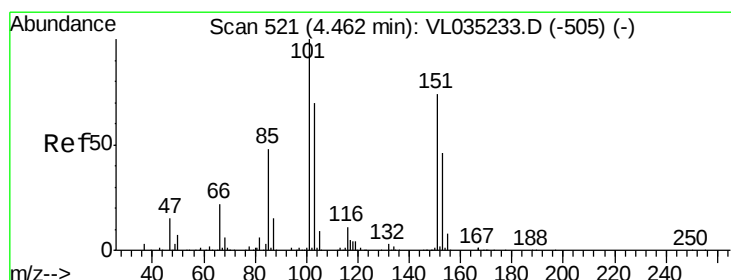
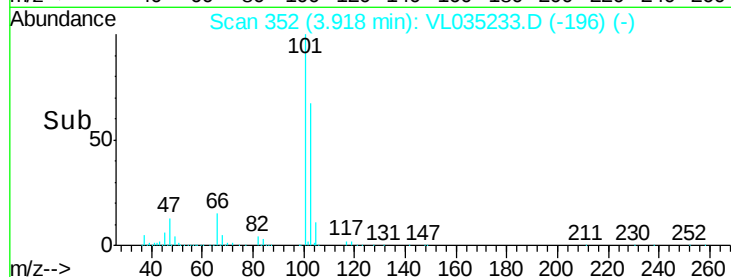
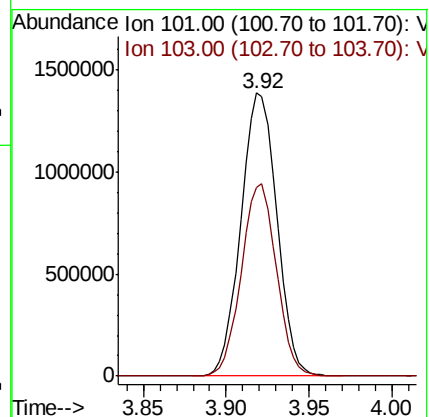
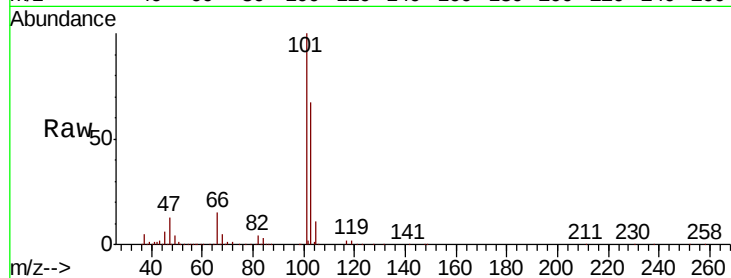
ClientSampleId :

Tot Ion:101 Resp: 2096886

Ion Ratio Lower Upper

101 100

103 66.7 53.4 80.0



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.985 ppbv

RT: 4.46 min Scan# 521

Delta R.T. 0.00 min

Lab File: VL035233.D

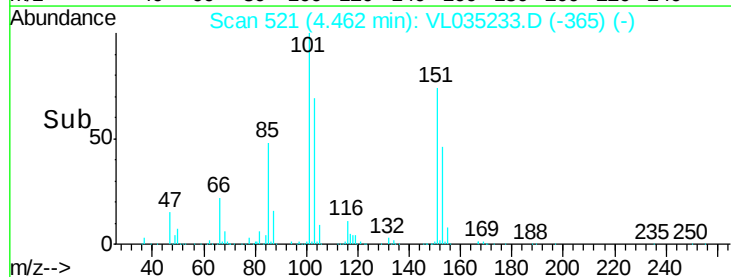
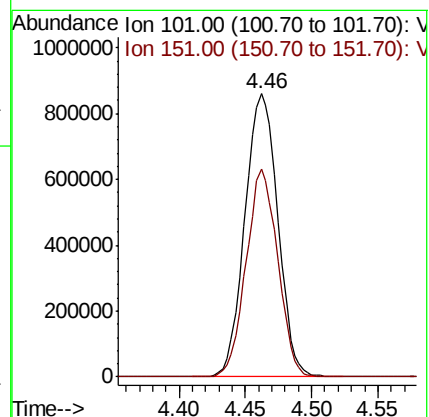
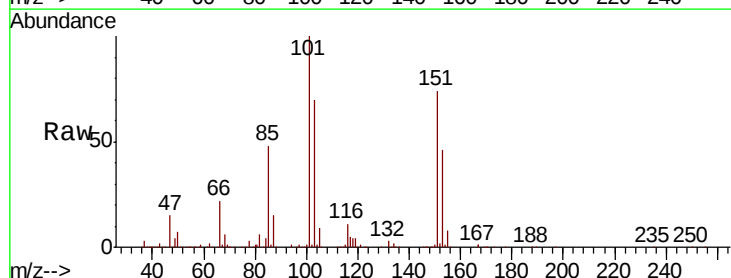
Acq: 29 Jul 2020 2:44

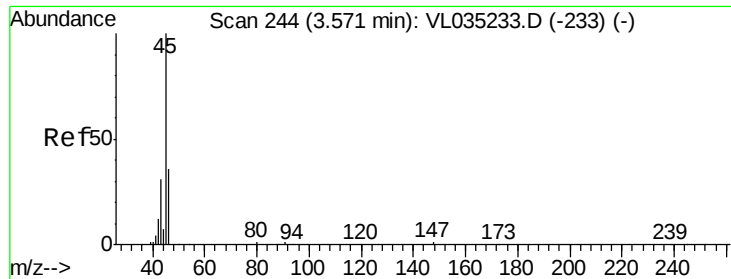
Tgt Ion:101 Resp: 1484130

Ion Ratio Lower Upper

101 100

151 70.8 56.6 85.0

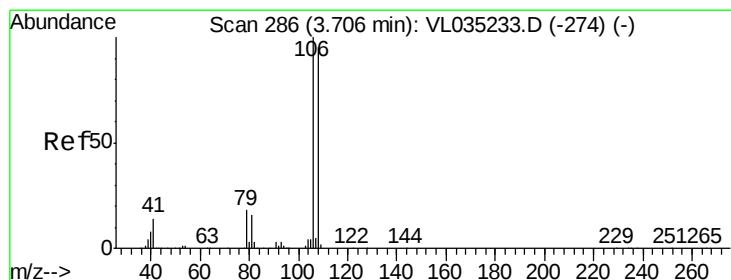
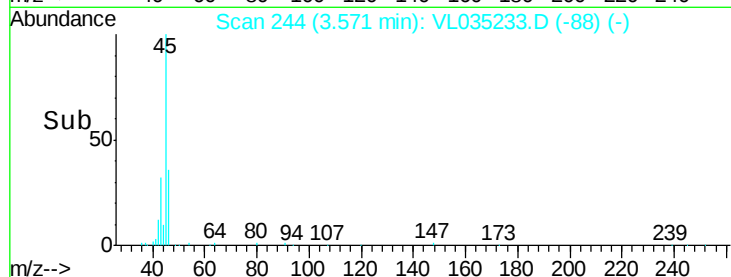
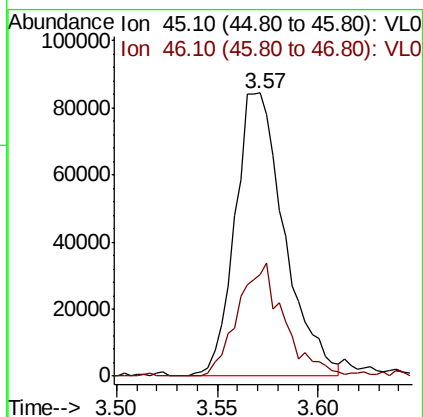
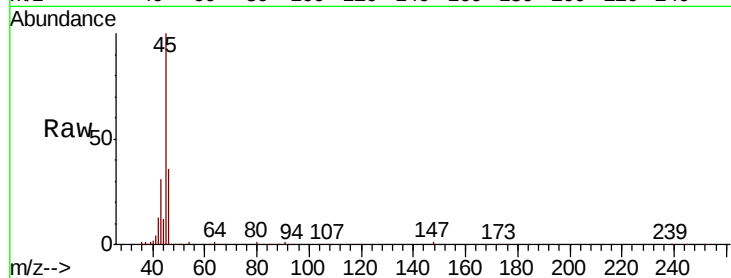




#13
Ethanol
Concen: 7.209 ppbv
RT: 3.57 min Scan# 244
Delta R.T. 0.00 min
Lab File: VL035233.D
Acq: 29 Jul 2020 2:44

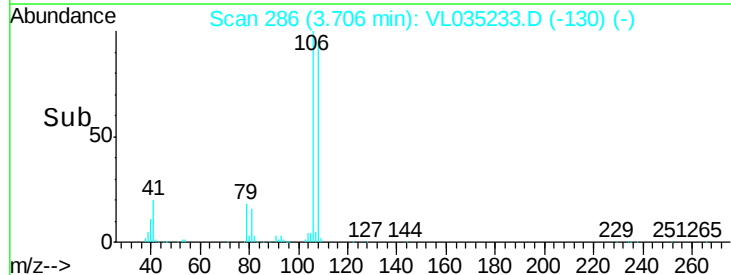
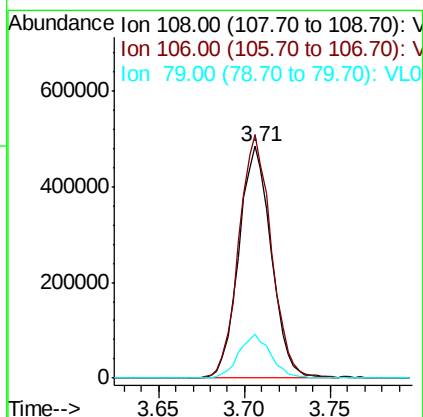
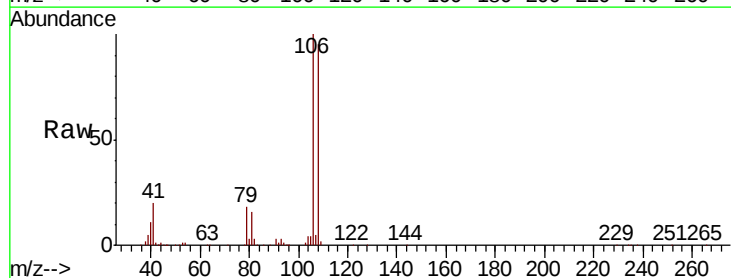
Instrument :
MSVOA_L
ClientSampleId :

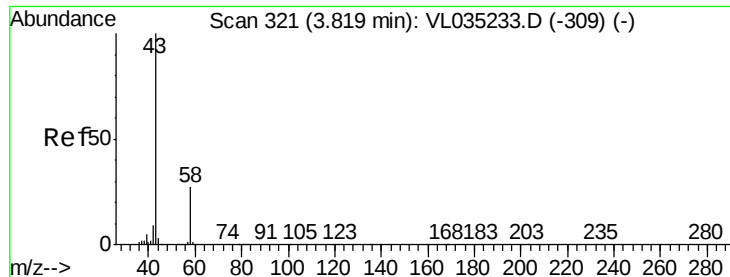
Tot Ion: 45 Resp: 144834
Ion Ratio Lower Upper
45 100
46 37.9 15.8 63.4



#14
Bromoethene
Concen: 9.377 ppbv
RT: 3.71 min Scan# 286
Delta R.T. 0.00 min
Lab File: VL035233.D
Acq: 29 Jul 2020 2:44

Tgt Ion: 108 Resp: 636126
Ion Ratio Lower Upper
108 100
106 106.1 85.0 127.6
79 19.0 15.4 23.2





#15

Acetone

Concen: 7.742 ppbv

RT: 3.82 min Scan# 321

Delta R.T. 0.00 min

Lab File: VL035233.D

Acq: 29 Jul 2020 2:44

Instrument :

MSVOA_L

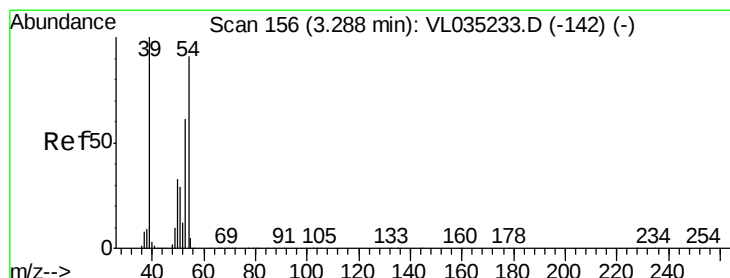
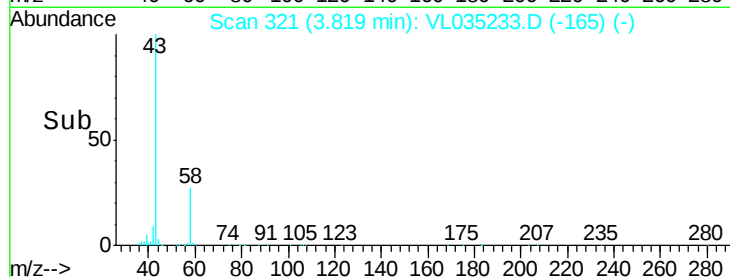
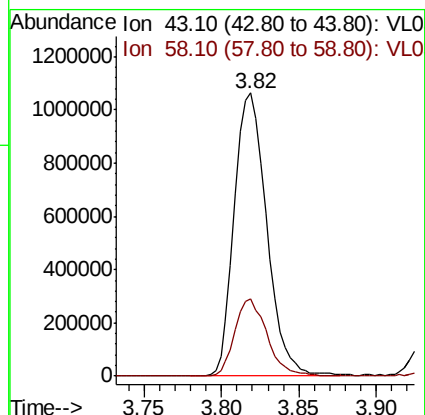
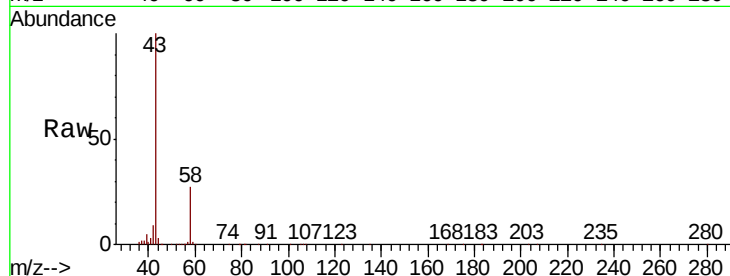
ClientSampleId :

Tot Ion: 43 Resp: 1552831

Ion Ratio Lower Upper

43 100

58 27.2 21.8 32.6



#16

1,3-Butadiene

Concen: 9.518 ppbv

RT: 3.29 min Scan# 156

Delta R.T. 0.00 min

Lab File: VL035233.D

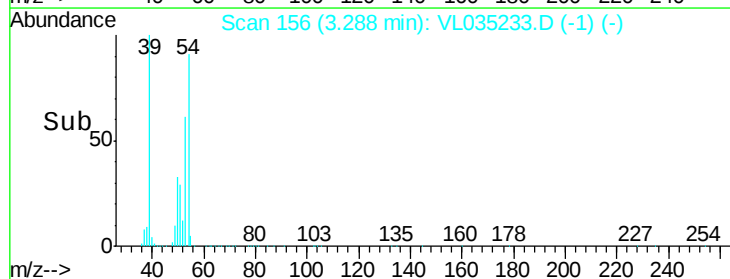
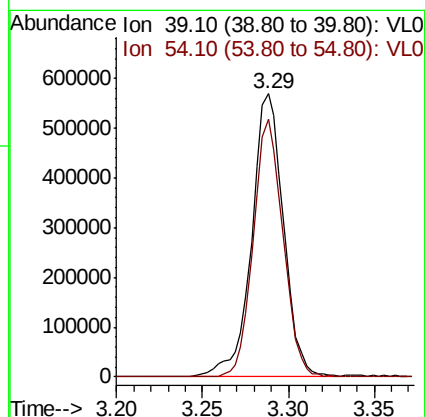
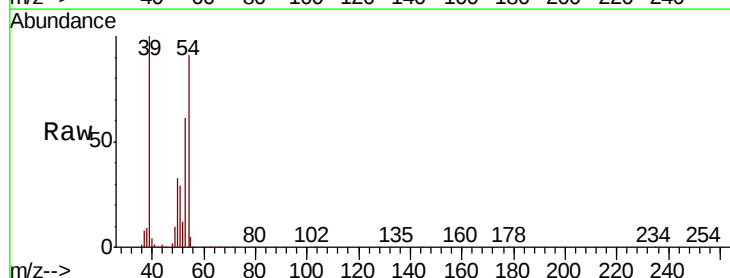
Acq: 29 Jul 2020 2:44

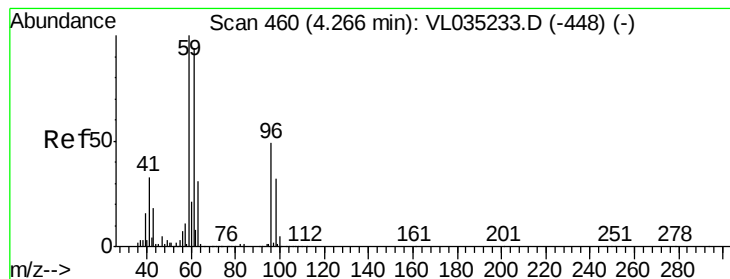
Tgt Ion: 39 Resp: 731397

Ion Ratio Lower Upper

39 100

54 85.2 68.2 102.2



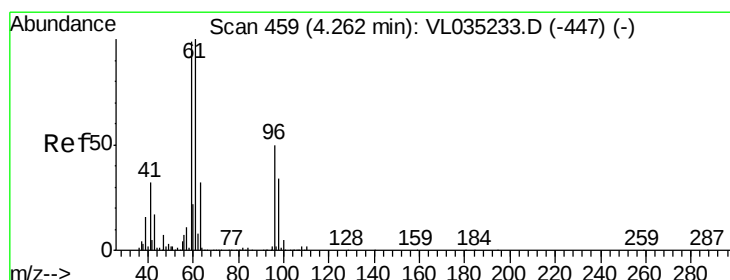
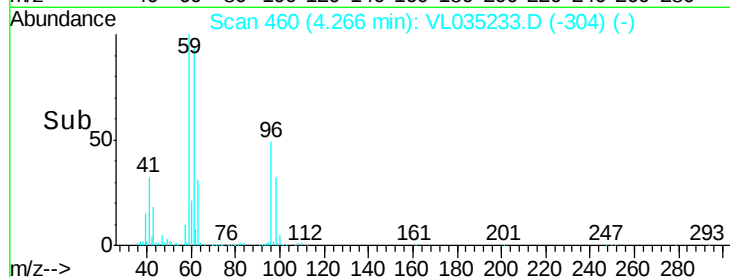
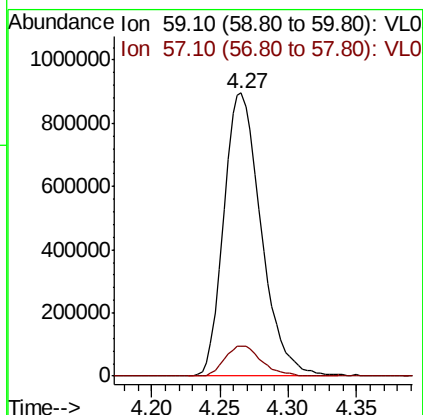
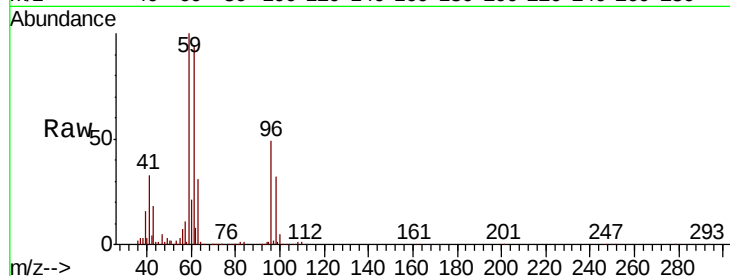


#17

tert-Butyl alcohol
Concen: 9.507 ppbv
RT: 4.27 min Scan# 460
Delta R.T. 0.00 min
Lab File: VL035233.D
Acq: 29 Jul 2020 2:44

Instrument :
MSVOA_L
ClientSampleId :

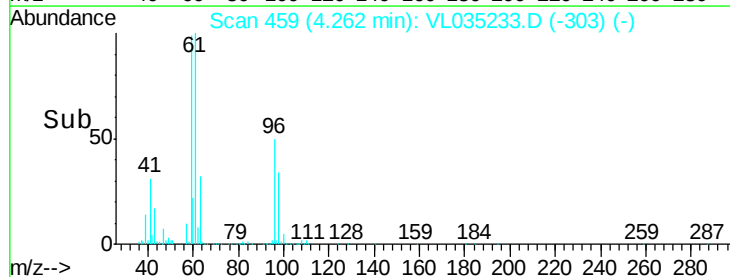
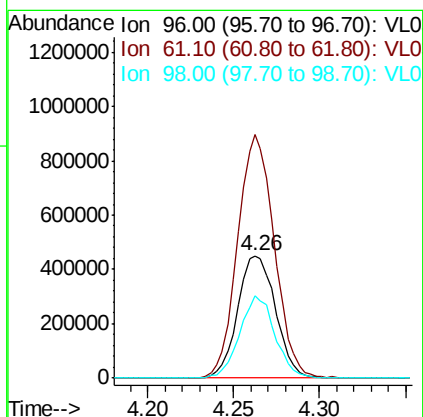
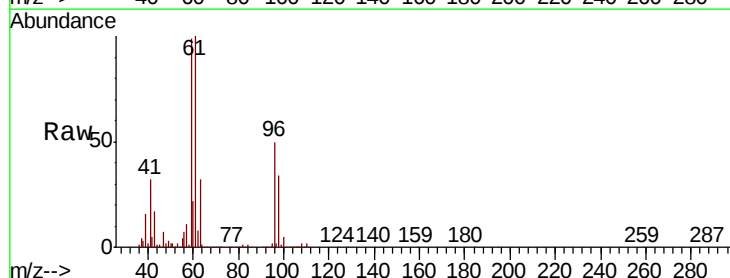
Tot Ion: 59 Resp: 1702485
Ion Ratio Lower Upper
59 100
57 10.7 8.6 12.8

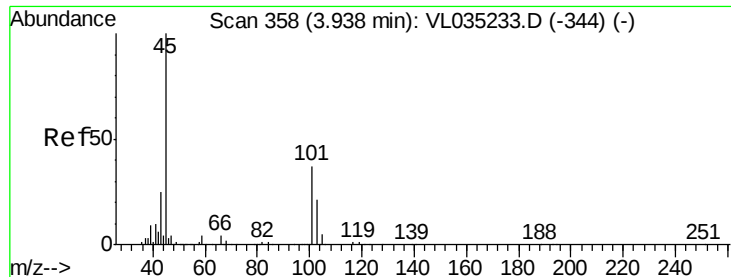


#18

1,1-Dichloroethene
Concen: 9.449 ppbv
RT: 4.26 min Scan# 459
Delta R.T. 0.00 min
Lab File: VL035233.D
Acq: 29 Jul 2020 2:44

Tgt Ion: 96 Resp: 691812
Ion Ratio Lower Upper
96 100
61 199.3 159.4 239.2
98 67.4 53.9 80.9





#19

Isopropyl Alcohol

Concen: 9.099 ppbv

RT: 3.94 min Scan# 358

Delta R.T. 0.00 min

Lab File: VL035233.D

Acq: 29 Jul 2020 2:44

Instrument :

MSVOA_L

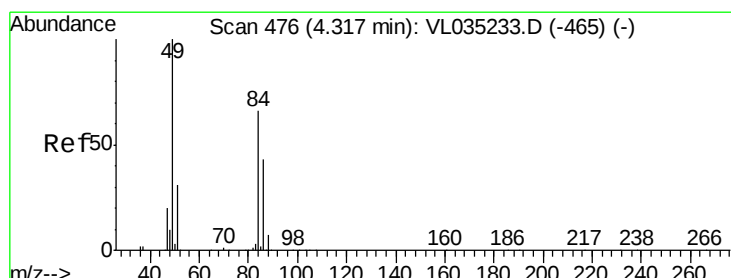
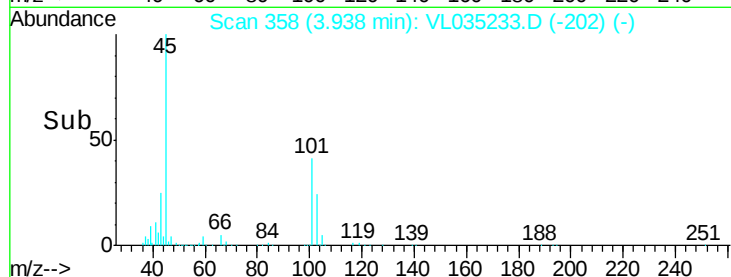
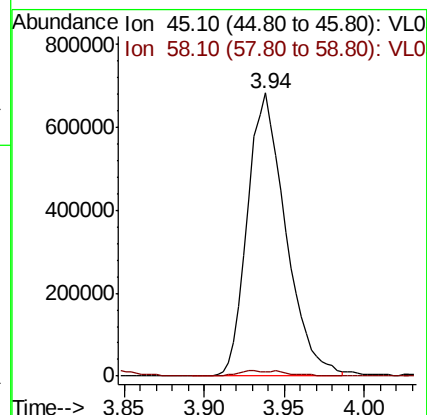
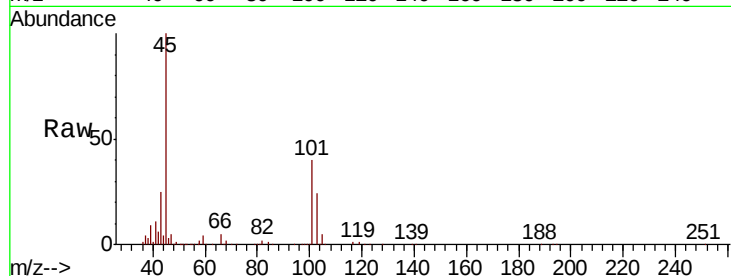
ClientSampleId :

Tot Ion: 45 Resp: 1112397

Ion Ratio Lower Upper

45 100

58 2.4 1.9 2.9



#20

Methylene Chloride

Concen: 7.070 ppbv

RT: 4.32 min Scan# 476

Delta R.T. 0.00 min

Lab File: VL035233.D

Acq: 29 Jul 2020 2:44

Tgt Ion: 84 Resp: 619962

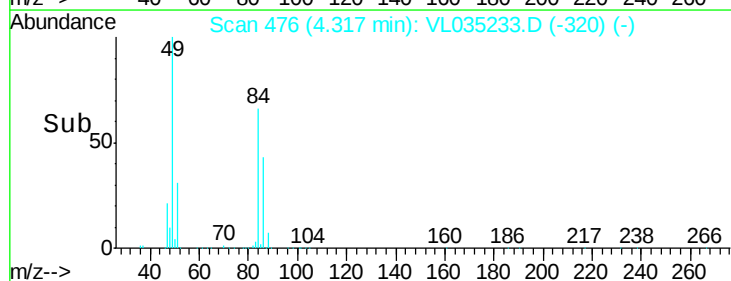
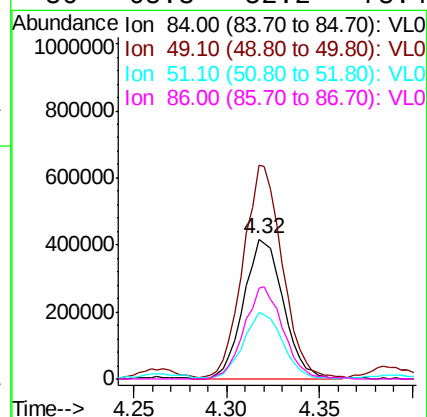
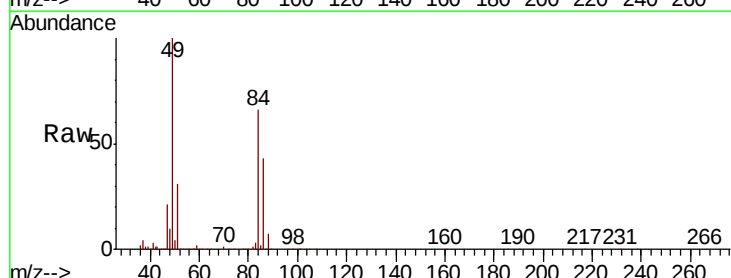
Ion Ratio Lower Upper

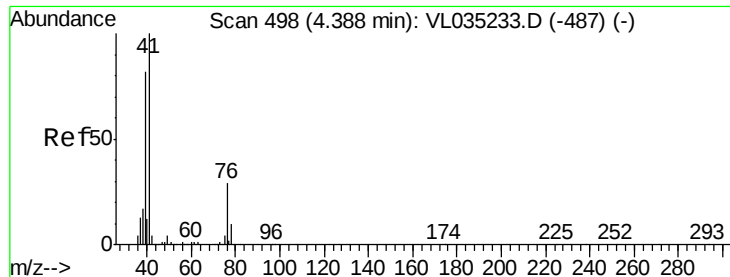
84 100

49 151.2 121.0 181.4

51 47.1 37.7 56.5

86 65.3 52.2 78.4

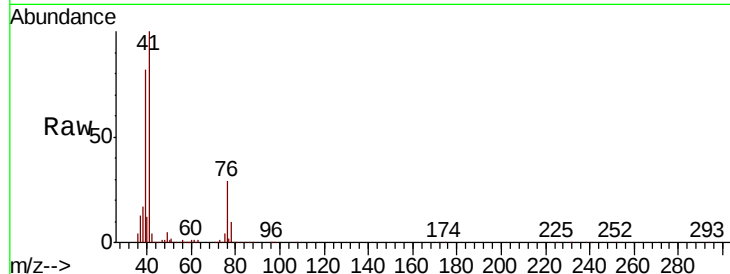




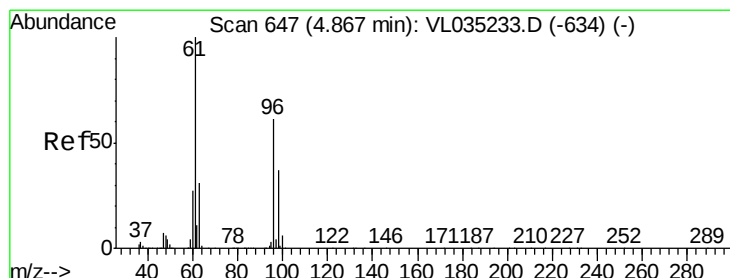
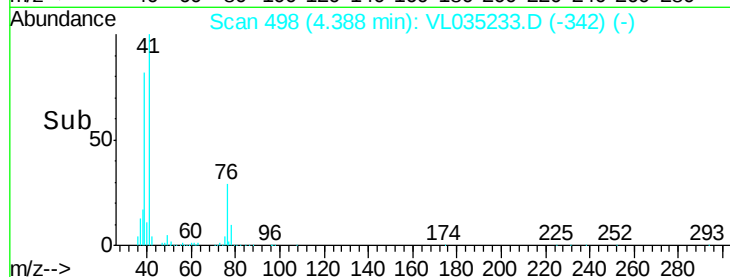
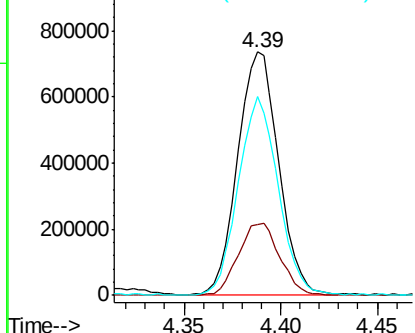
#21
Allvl Chloride
Concen: 9.232 ppbv
RT: 4.39 min Scan# 498
Delta R.T. 0.00 min
Lab File: VL035233.D
Acq: 29 Jul 2020 2:44

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 41 Resp: 1078133
Ion Ratio Lower Upper
41 100
76 30.5 24.4 36.6
39 79.8 63.8 95.8

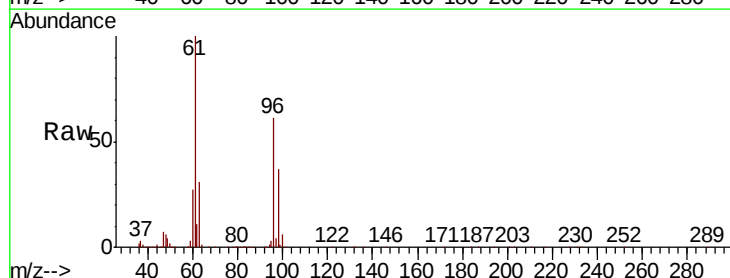


Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0

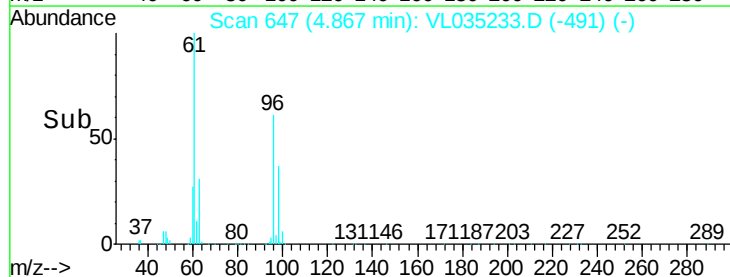
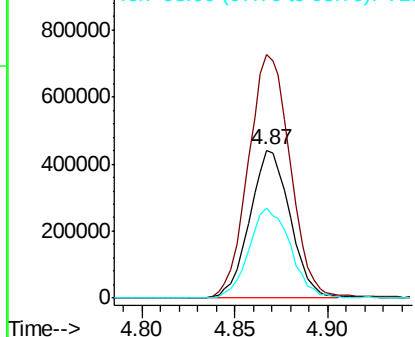


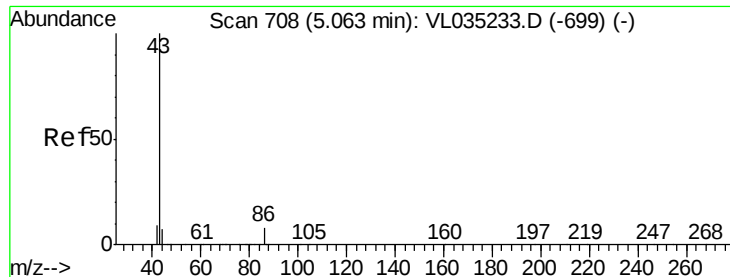
#22
trans-1,2-Dichloroethene
Concen: 9.168 ppbv
RT: 4.87 min Scan# 647
Delta R.T. 0.00 min
Lab File: VL035233.D
Acq: 29 Jul 2020 2:44

Tgt Ion: 96 Resp: 666499
Ion Ratio Lower Upper
96 100
61 164.5 131.6 197.4
98 61.2 49.0 73.4



Abundance Ion 96.00 (95.70 to 96.70): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 9.197 ppbv

RT: 5.06 min Scan# 708

Delta R.T. 0.00 min

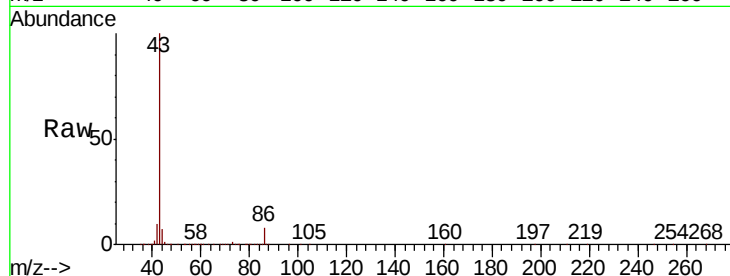
Lab File: VL035233.D

Acq: 29 Jul 2020 2:44

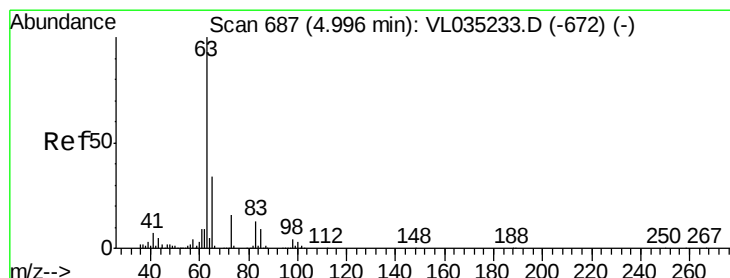
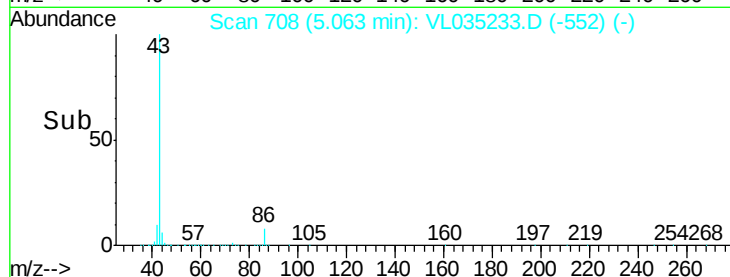
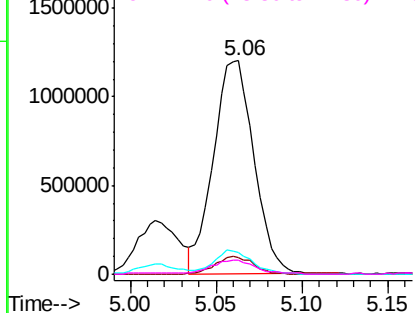
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 1971982

Ion	Ratio	Lower	Upper
43	100		
86	7.7	6.2	9.2
42	10.0	8.0	12.0
44	6.5	5.2	7.8



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 8.977 ppbv

RT: 5.00 min Scan# 687

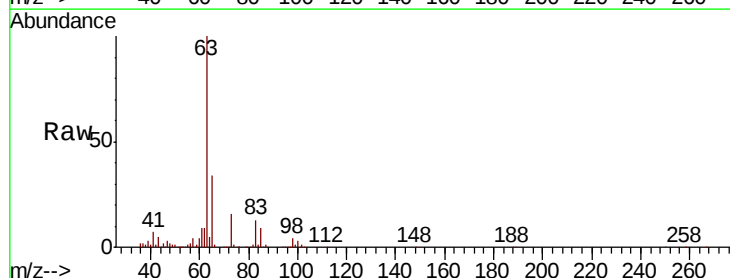
Delta R.T. 0.00 min

Lab File: VL035233.D

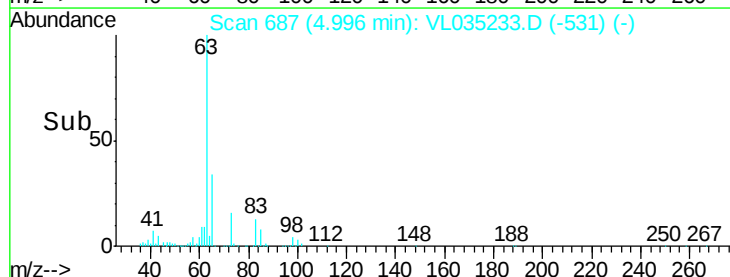
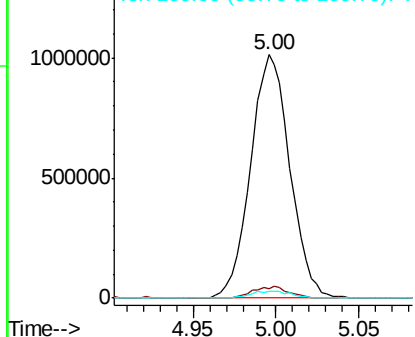
Acq: 29 Jul 2020 2:44

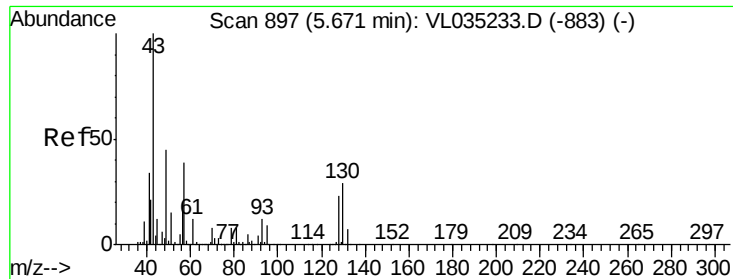
Tgt Ion: 63 Resp: 1671321

Ion	Ratio	Lower	Upper
63	100		
98	3.8	1.9	5.7
100	2.8	1.4	4.2



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0



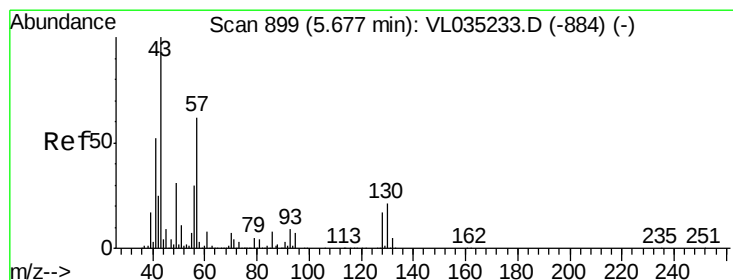
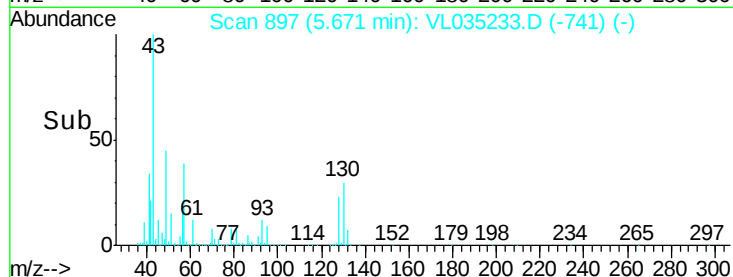
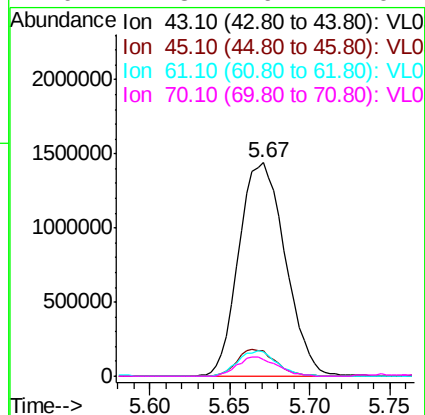
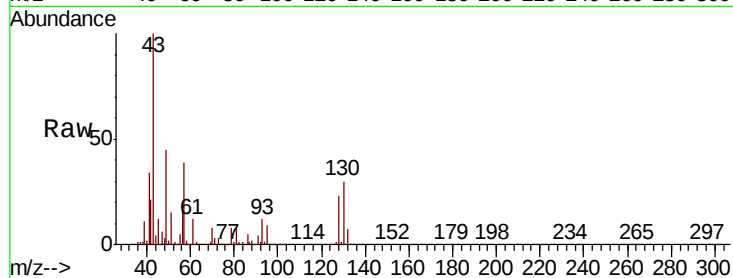


#25
Ethyl Acetate
Concen: 9.189 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.00 min
Lab File: VL035233.D
Acq: 29 Jul 2020 2:44

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2854872

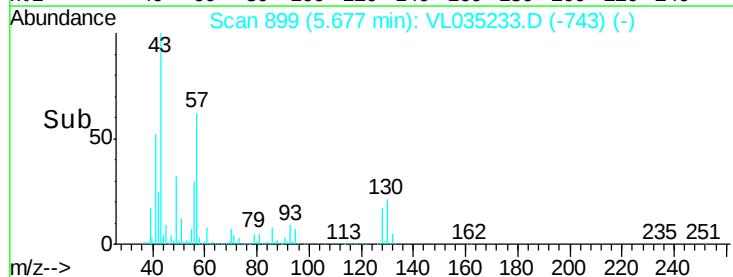
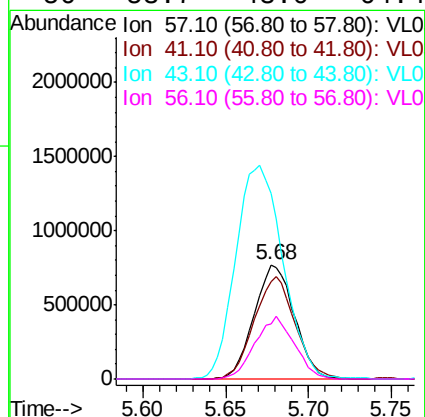
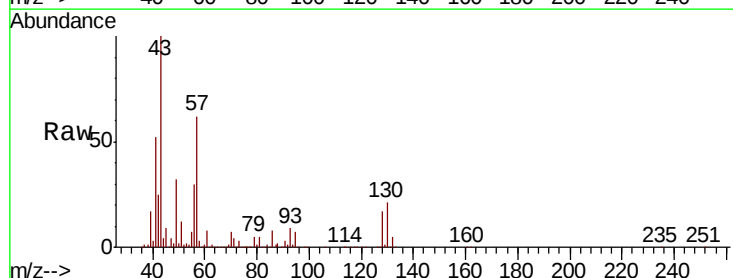
Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.5	12.7
61	10.1	8.1	12.1
70	7.8	6.2	9.4

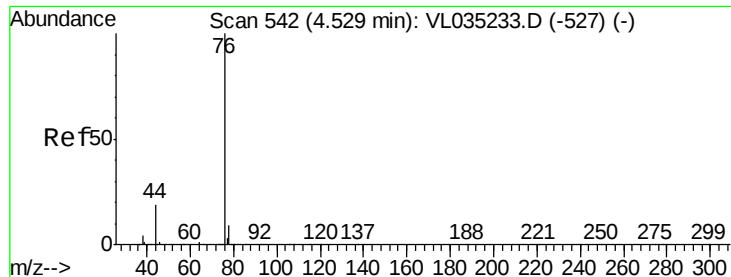


#26
Hexane
Concen: 9.412 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.00 min
Lab File: VL035233.D
Acq: 29 Jul 2020 2:44

Tgt Ion: 57 Resp: 1292251

Ion	Ratio	Lower	Upper
57	100		
41	92.4	73.9	110.9
43	222.0	177.6	266.4
56	53.7	43.0	64.4





#27

Carbon Disulfide

Concen: 9.345 ppbv

RT: 4.53 min Scan# 542

Delta R.T. 0.00 min

Lab File: VL035233.D

Acq: 29 Jul 2020 2:44

Instrument :

MSVOA_L

ClientSampled :

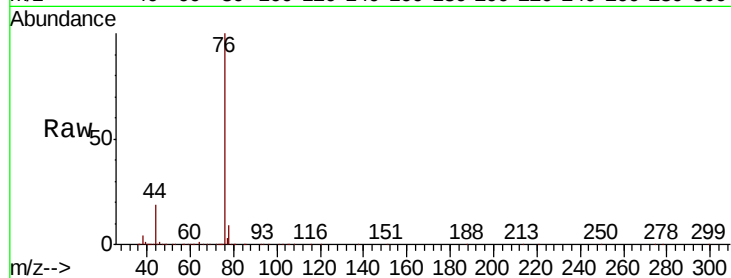
Tot Ion: 76 Resp: 1784416

Ion	Ratio	Lower	Upper
76	100		
44	18.4	14.7	22.1
78	9.5	7.6	11.4

76 100

44 18.4 14.7 22.1

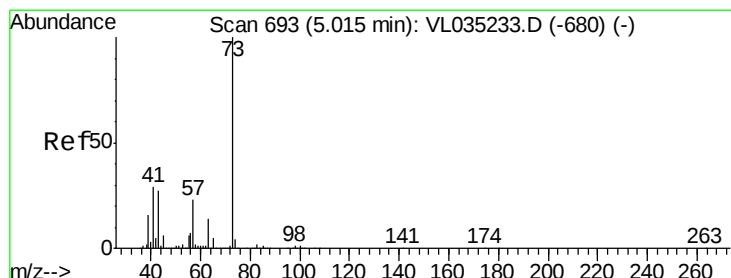
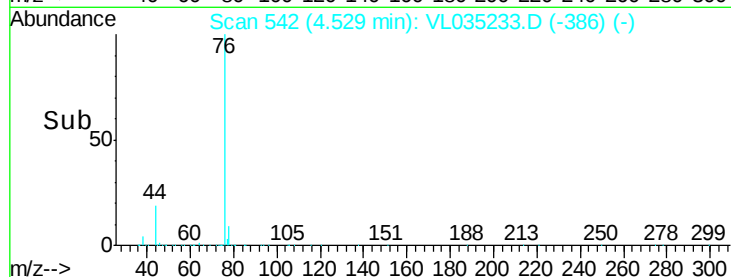
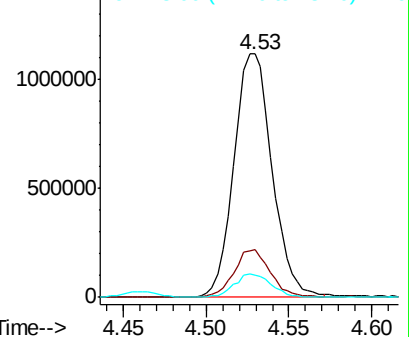
78 9.5 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.439 ppbv

RT: 5.01 min Scan# 693

Delta R.T. 0.00 min

Lab File: VL035233.D

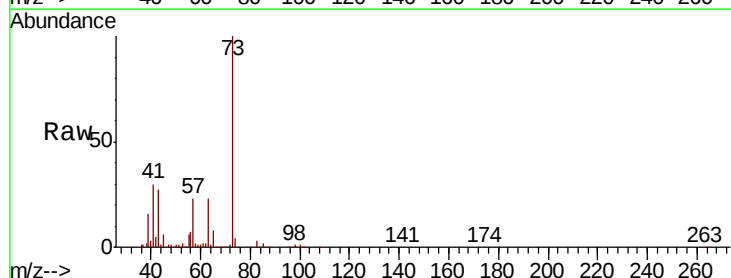
Acq: 29 Jul 2020 2:44

Tgt Ion: 73 Resp: 1967000

Ion	Ratio	Lower	Upper
73	100		
57	22.8	18.2	27.4

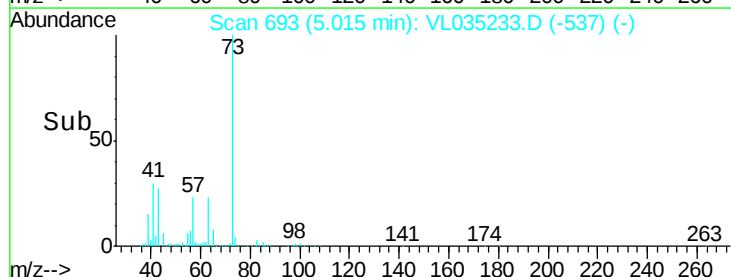
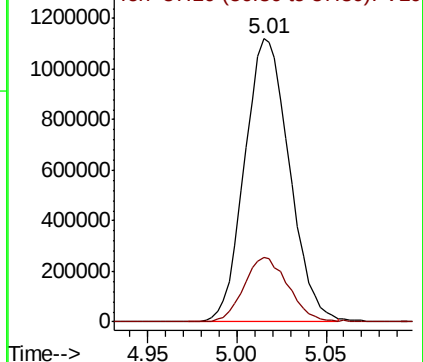
73 100

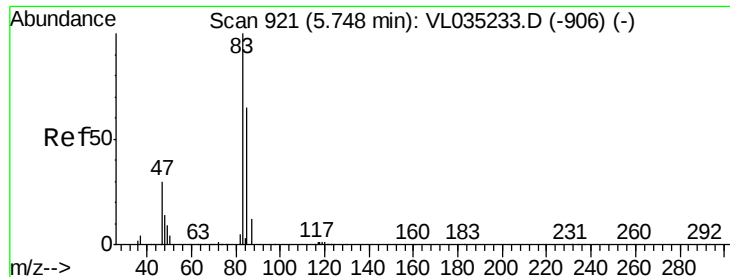
57 22.8 18.2 27.4



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 9.051 ppbv

RT: 5.75 min Scan# 921

Delta R.T. 0.00 min

Lab File: VL035233.D

Acq: 29 Jul 2020 2:44

Instrument :

MSVOA_L

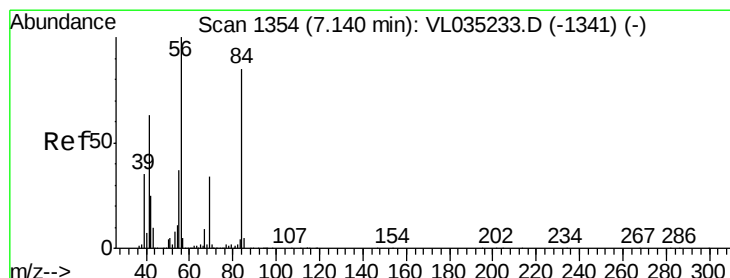
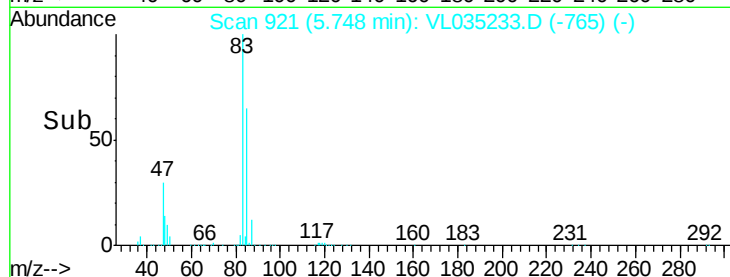
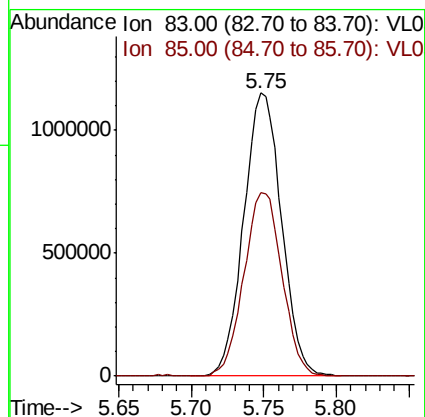
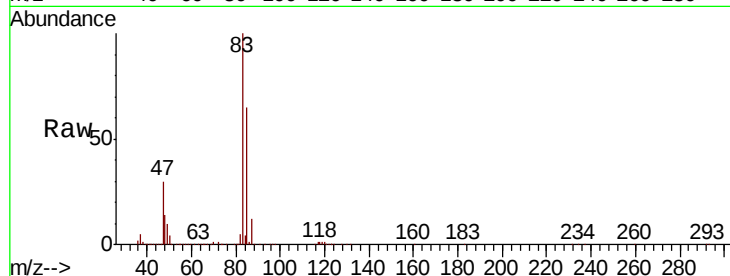
ClientSampleId :

Tot Ion: 83 Resp: 2087789

Ion Ratio Lower Upper

83 100

85 64.6 51.7 77.5



#30

Cyclohexane

Concen: 10.666 ppbv

RT: 7.14 min Scan# 1354

Delta R.T. 0.00 min

Lab File: VL035233.D

Acq: 29 Jul 2020 2:44

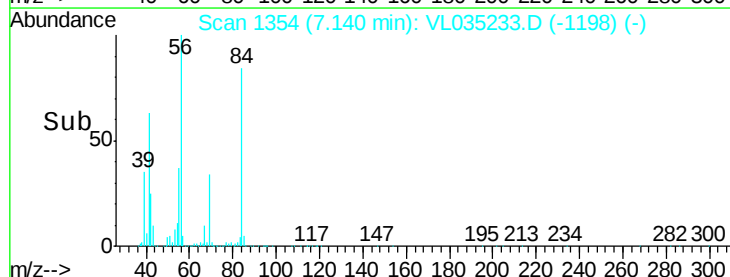
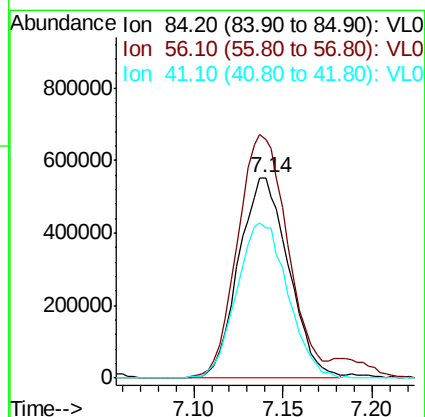
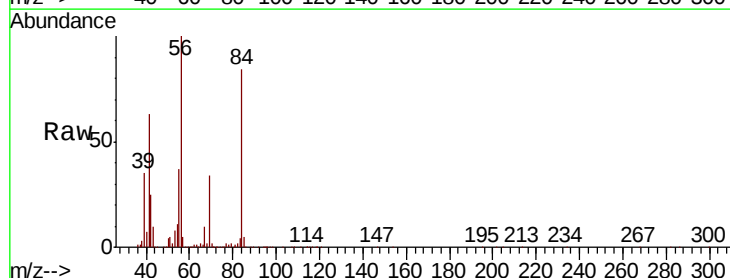
Tgt Ion: 84 Resp: 1081665

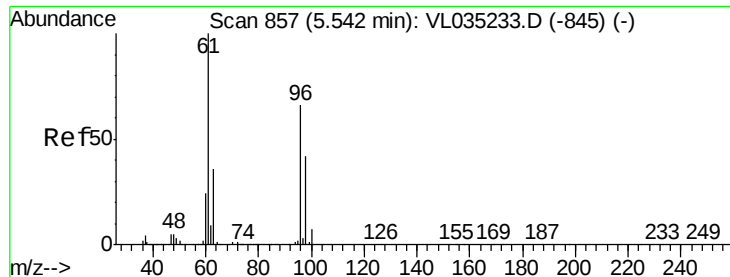
Ion Ratio Lower Upper

84 100

56 130.2 104.2 156.2

41 79.1 63.7 95.5



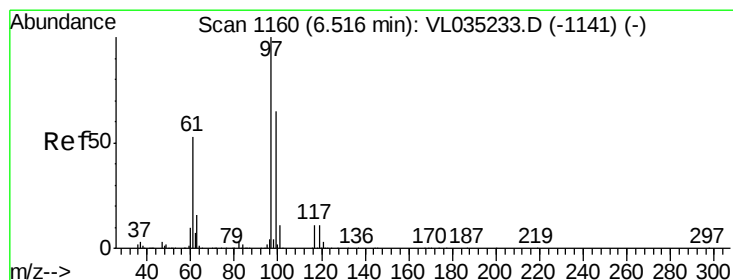
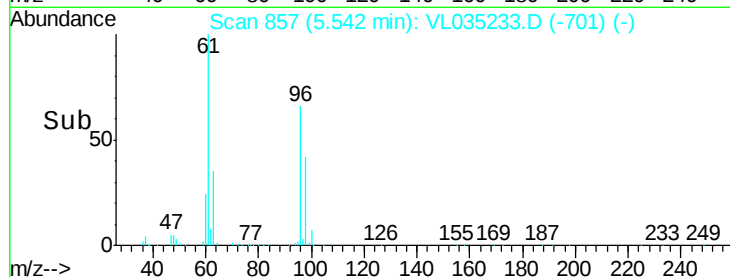
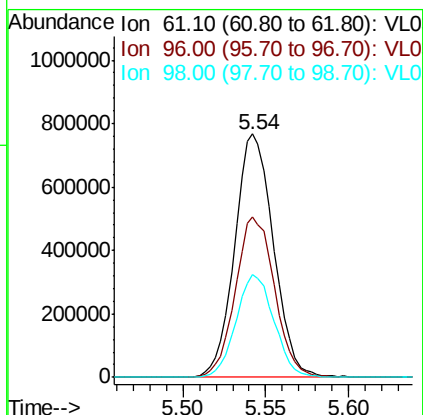
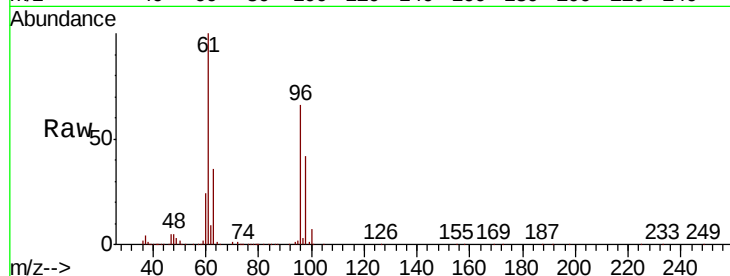


#31

cis-1,2-Dichloroethene
Concen: 9.635 ppbv
RT: 5.54 min Scan# 857
Delta R.T. 0.00 min
Lab File: VL035233.D
Acq: 29 Jul 2020 2:44

Instrument :
MSVOA_L
ClientSampled :

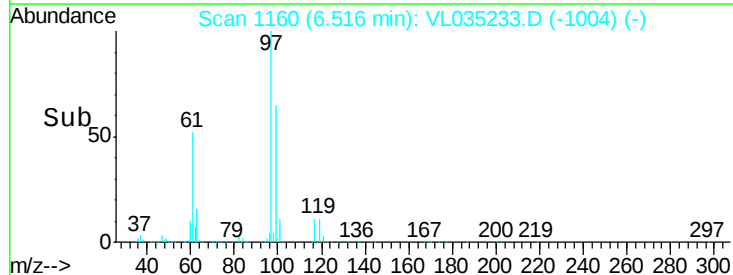
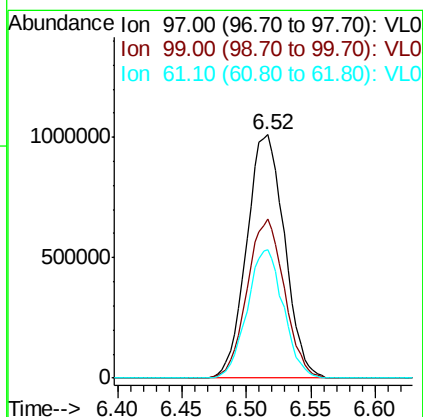
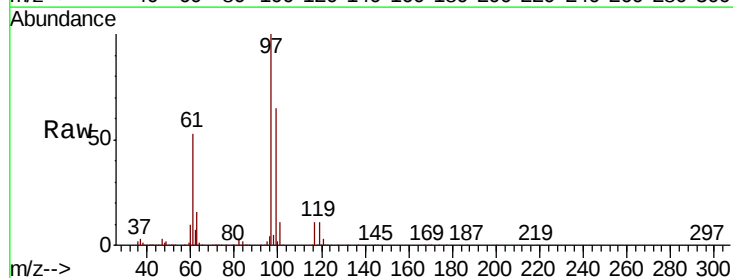
Tot Ion: 61 Resp: 1243213
Ion Ratio Lower Upper
61 100
96 65.7 52.6 78.8
98 42.1 33.7 50.5

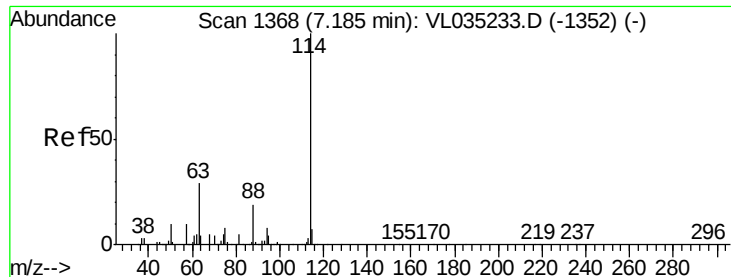


#32

1,1,1-Trichloroethane
Concen: 8.982 ppbv
RT: 6.52 min Scan# 1160
Delta R.T. 0.00 min
Lab File: VL035233.D
Acq: 29 Jul 2020 2:44

Tgt Ion: 97 Resp: 2071533
Ion Ratio Lower Upper
97 100
99 64.2 51.4 77.0
61 50.5 40.4 60.6

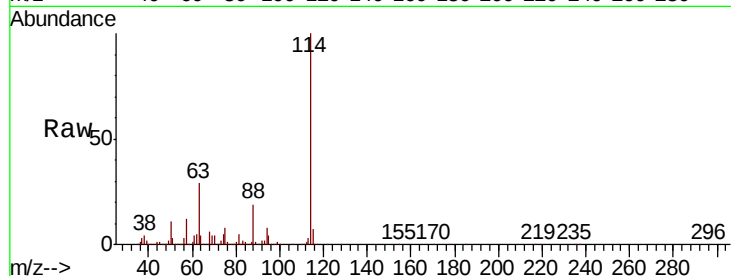




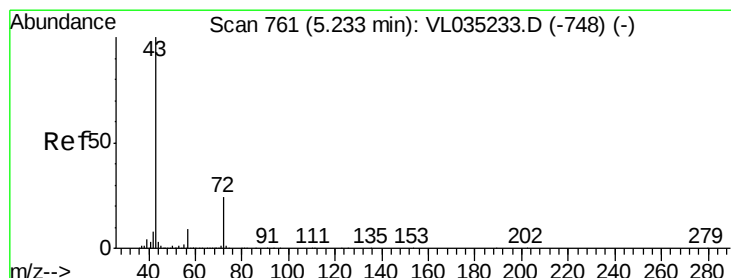
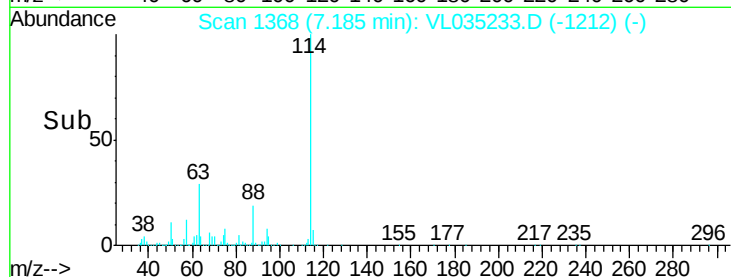
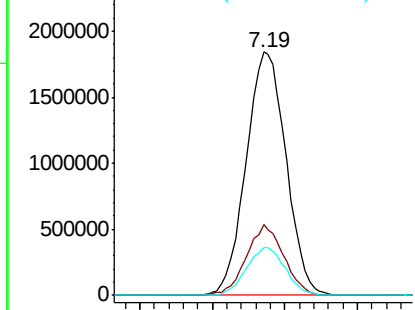
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VL035233.D
 Acq: 29 Jul 2020 2:44

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 3525553
 Ion Ratio Lower Upper
 114 100
 63 27.7 22.2 33.2
 88 19.2 15.4 23.0

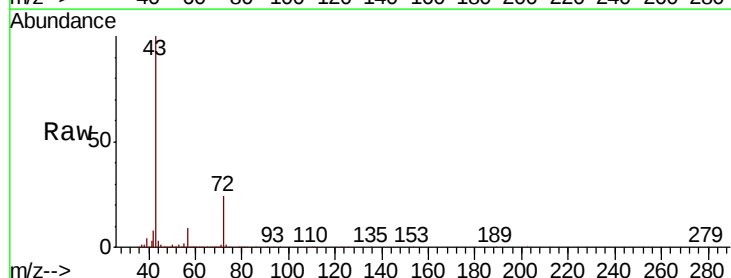


Abundance Ion 114.10 (113.80 to 114.80): VL0
 2500000 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

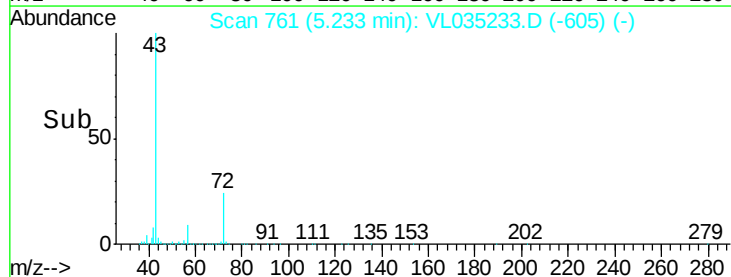
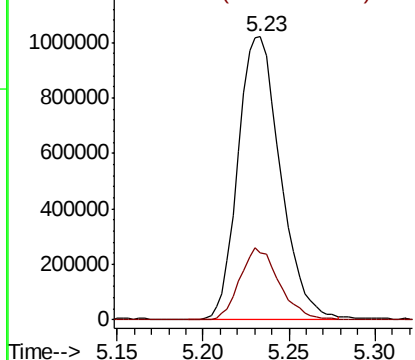


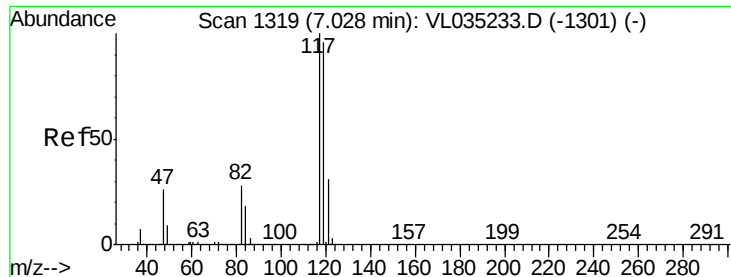
#34
 2-Butanone
 Concen: 9.244 ppbv
 RT: 5.23 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: VL035233.D
 Acq: 29 Jul 2020 2:44

Tgt Ion: 43 Resp: 1738117
 Ion Ratio Lower Upper
 43 100
 72 23.9 19.2 28.8



Abundance Ion 43.10 (42.80 to 43.80): VL0
 1200000 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.467 ppbv

RT: 7.03 min Scan# 1319

Delta R.T. 0.00 min

Lab File: VL035233.D

Acq: 29 Jul 2020 2:44

Instrument :

MSVOA_L

ClientSampled :

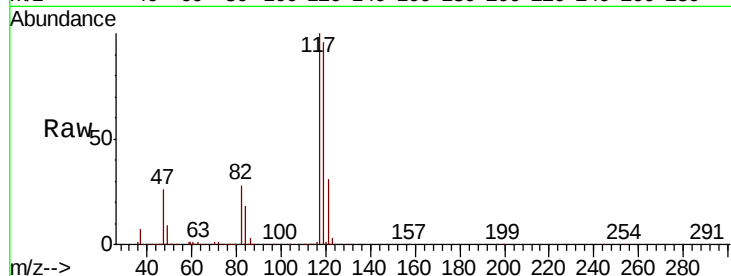
Tot Ion:117 Resp: 2180201

Ion Ratio Lower Upper

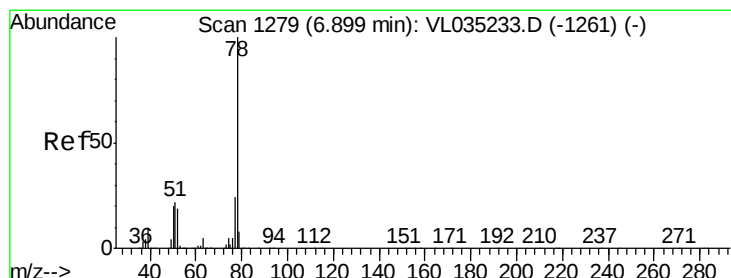
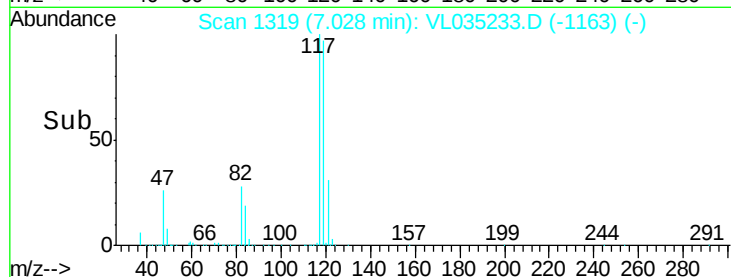
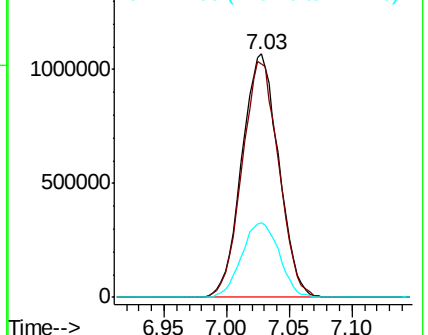
117 100

119 96.0 76.8 115.2

121 30.6 24.5 36.7



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.771 ppbv

RT: 6.90 min Scan# 1279

Delta R.T. 0.00 min

Lab File: VL035233.D

Acq: 29 Jul 2020 2:44

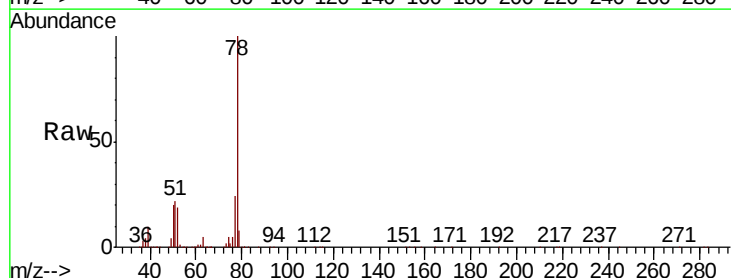
Tgt Ion: 78 Resp: 2495665

Ion Ratio Lower Upper

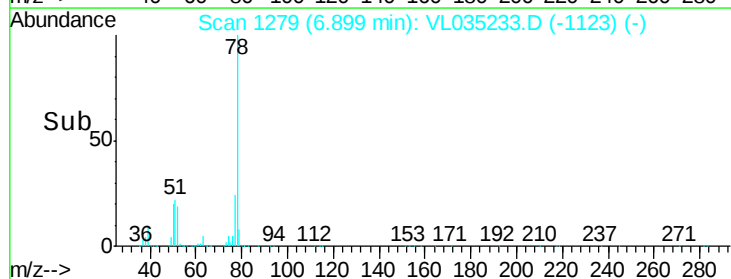
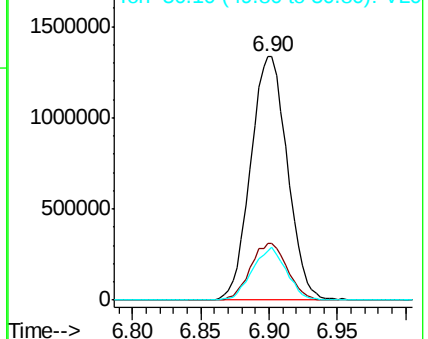
78 100

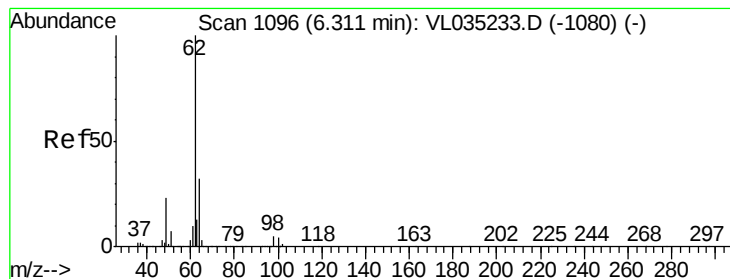
77 23.6 18.9 28.3

50 20.1 16.1 24.1



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 9.418 ppbv

RT: 6.31 min Scan# 1096

Delta R.T. 0.00 min

Lab File: VL035233.D

Acq: 29 Jul 2020 2:44

Instrument :

MSVOA_L

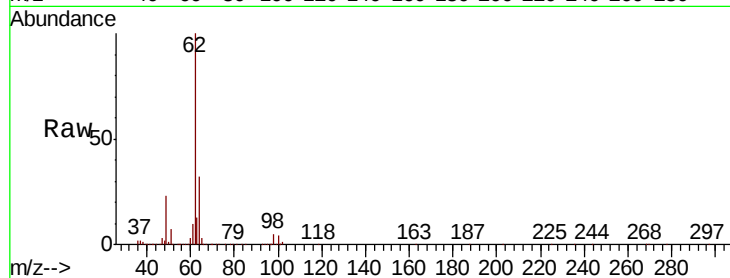
ClientSampleId :

Tot Ion: 62 Resp: 1624327

Ion Ratio Lower Upper

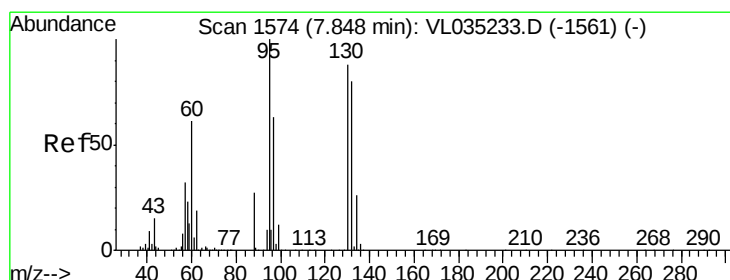
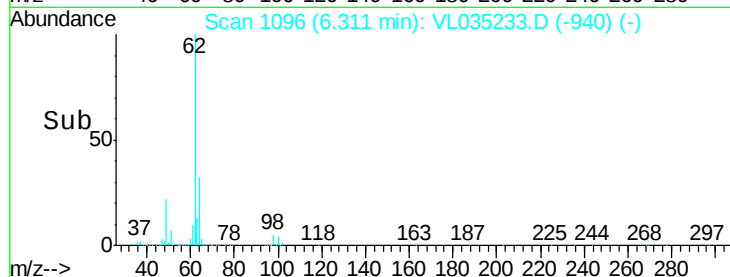
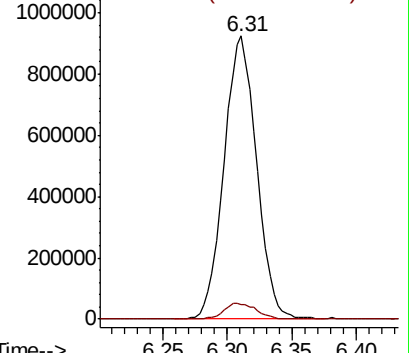
62 100

98 5.6 4.5 6.7



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 10.159 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VL035233.D

Acq: 29 Jul 2020 2:44

Tgt Ion:130 Resp: 1063900

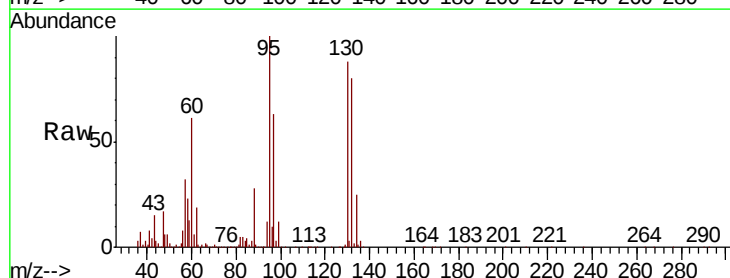
Ion Ratio Lower Upper

130 100

95 113.4 90.7 136.1

132 91.1 72.9 109.3

97 71.4 57.1 85.7

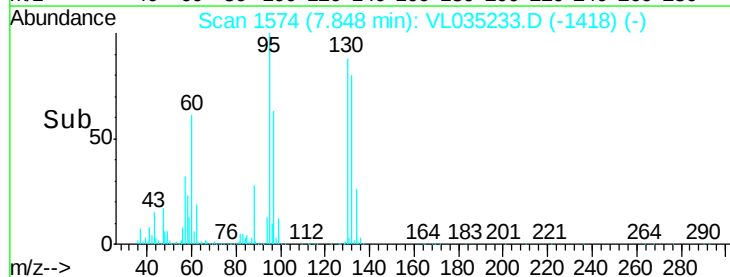
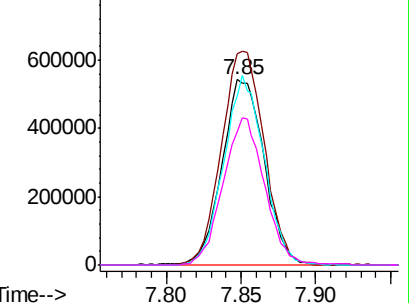


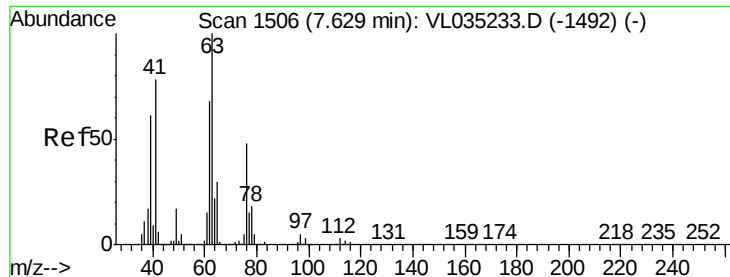
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 9.736 ppbv

RT: 7.63 min Scan# 1506

Delta R.T. 0.00 min

Lab File: VL035233.D

Acq: 29 Jul 2020 2:44

Instrument :

MSVOA_L

ClientSampleId :

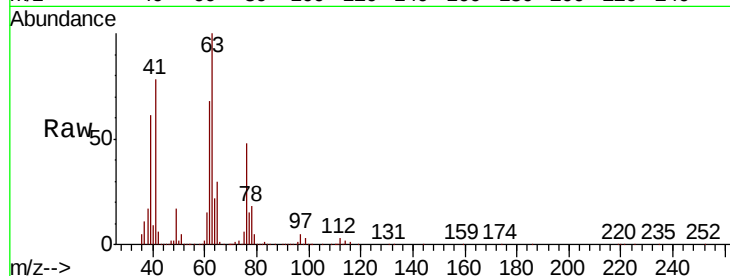
Tot Ion: 63 Resp: 994830

Ion Ratio Lower Upper

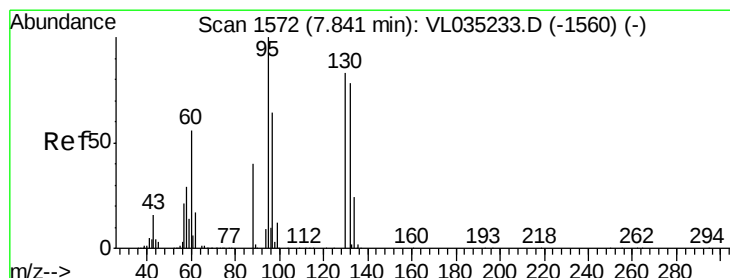
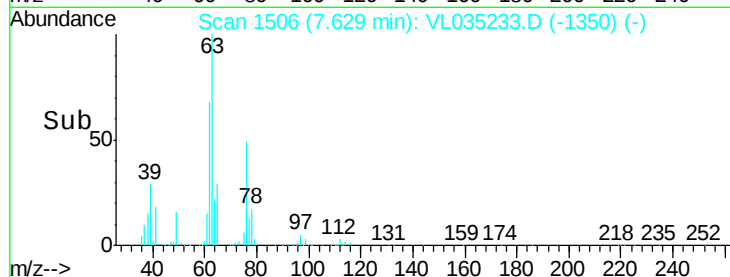
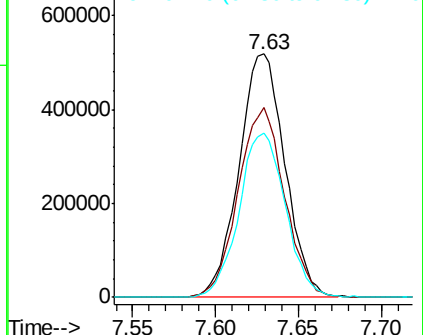
63 100

41 77.8 62.2 93.4

62 67.7 54.2 81.2



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 10.136 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VL035233.D

Acq: 29 Jul 2020 2:44

Tgt Ion: 88 Resp: 412868

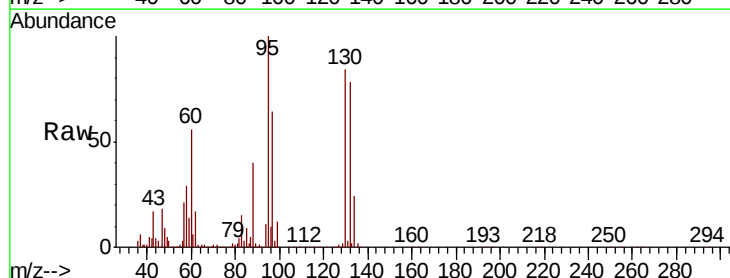
Ion Ratio Lower Upper

88 100

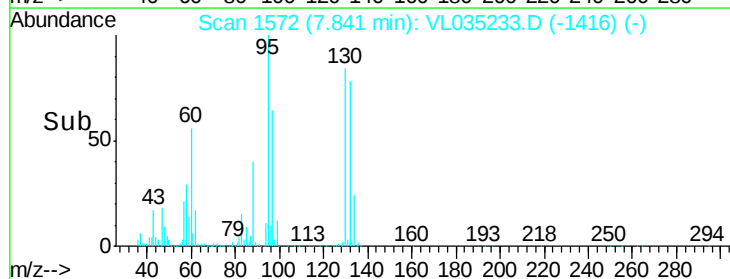
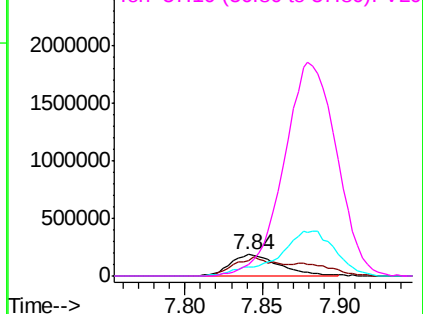
58 124.8 99.3 148.9

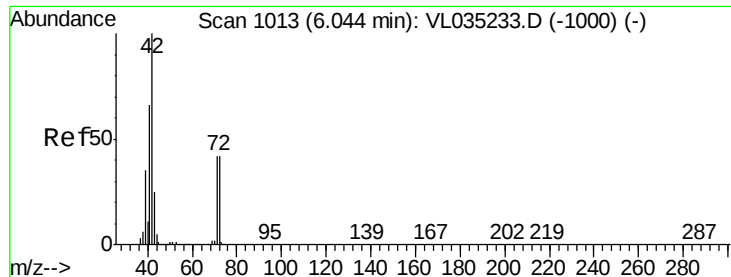
43 245.9 195.6 293.4

57 1068.0 854.3 1281.5



Abundance Ion 88.10 (87.80 to 88.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 57.10 (56.80 to 57.80): VL0

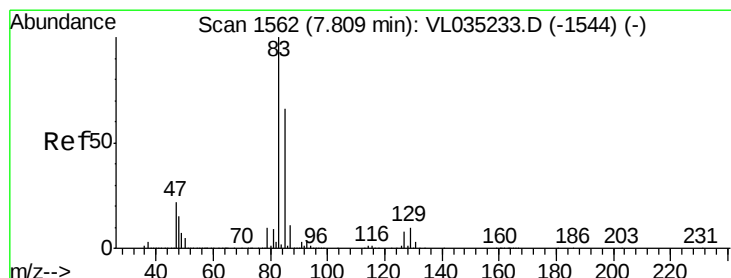
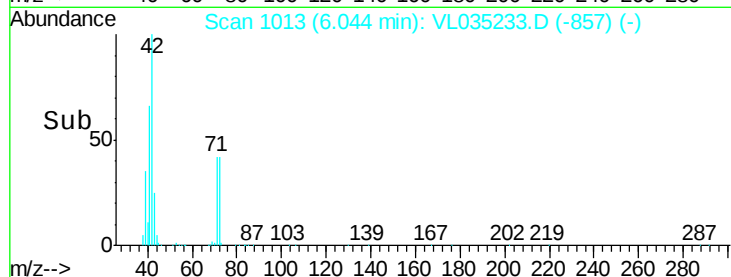
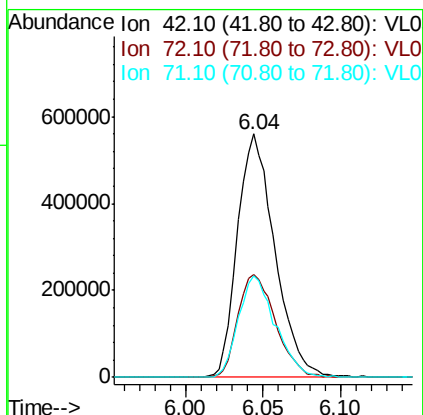
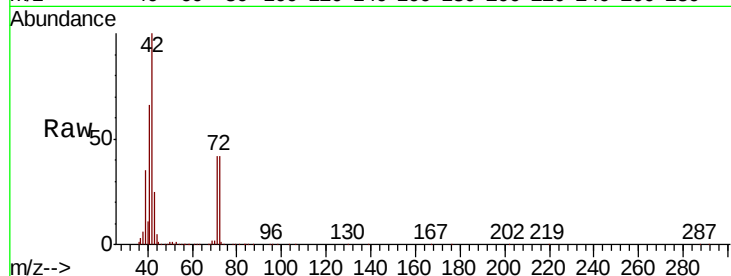




#41
Tetrahydrofuran
Concen: 10.043 ppbv
RT: 6.04 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VL035233.D
Acq: 29 Jul 2020 2:44

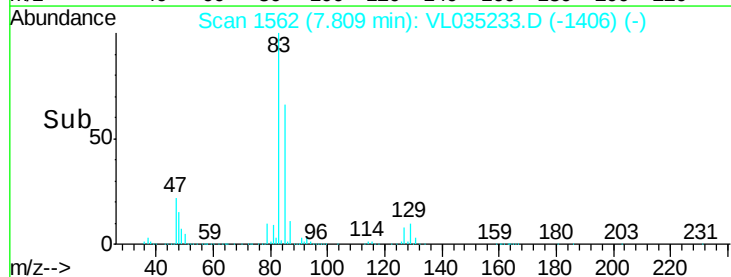
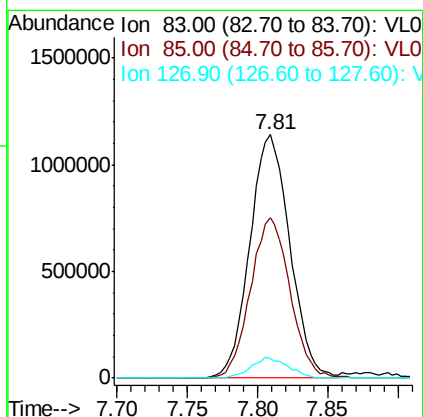
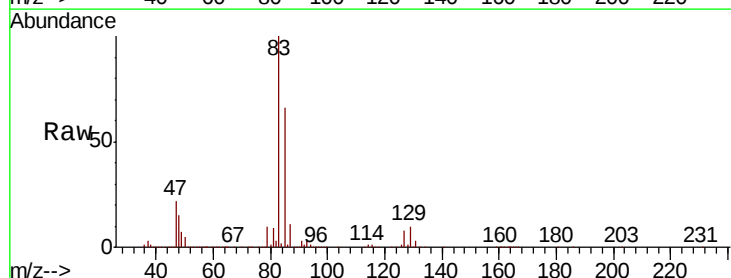
Instrument :
MSVOA_L
ClientSampleId :

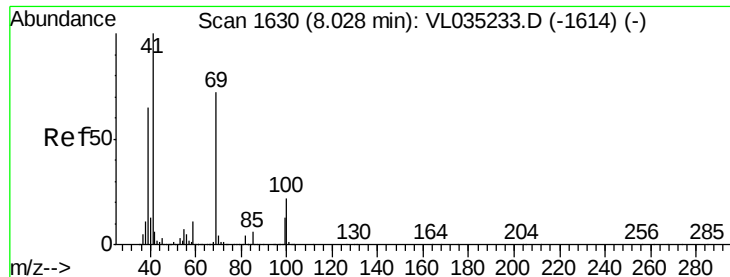
Tot Ion: 42 Resp: 939830
Ion Ratio Lower Upper
42 100
72 42.7 34.2 51.2
71 41.5 33.2 49.8



#42
Bromodichloromethane
Concen: 9.857 ppbv
RT: 7.81 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VL035233.D
Acq: 29 Jul 2020 2:44

Tgt Ion: 83 Resp: 2270189
Ion Ratio Lower Upper
83 100
85 66.1 52.9 79.3
127 8.1 6.5 9.7





#43

Methyl Methacrylate

Concen: 10.903 ppbv

RT: 8.03 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VL035233.D

Acq: 29 Jul 2020 2:44

Instrument :

MSVOA_L

ClientSampled :

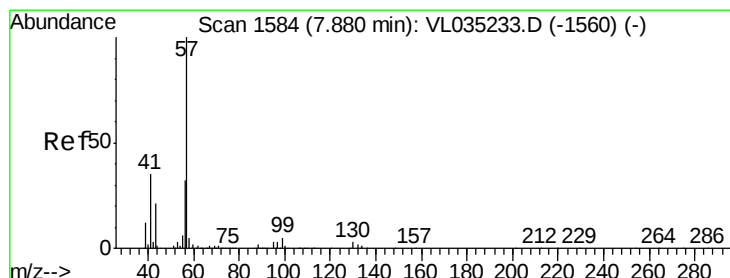
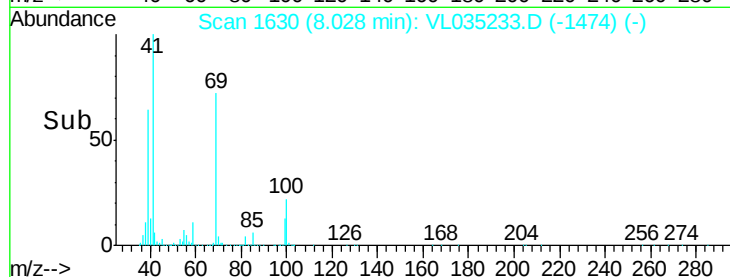
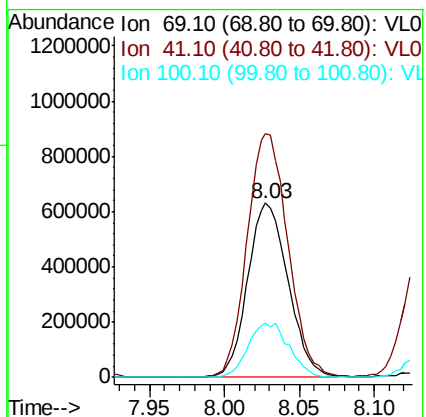
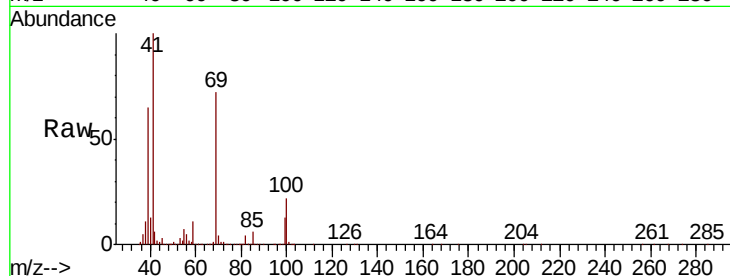
Tot Ion: 69 Resp: 1185223

Ion Ratio Lower Upper

69 100

41 141.1 113.0 169.4

100 31.7 25.3 37.9



#44

2,2,4-Trimethylpentane

Concen: 9.945 ppbv

RT: 7.88 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VL035233.D

Acq: 29 Jul 2020 2:44

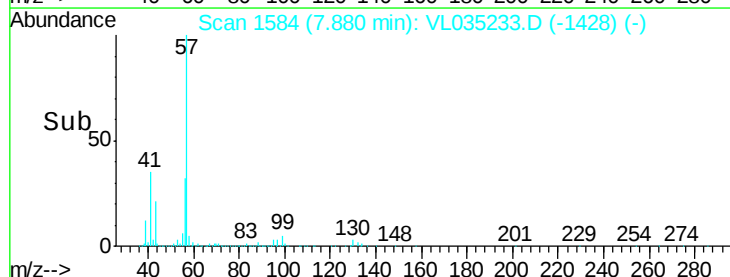
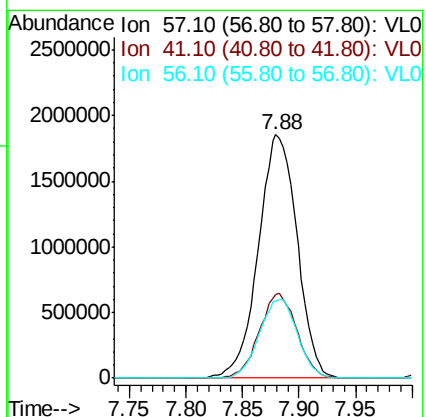
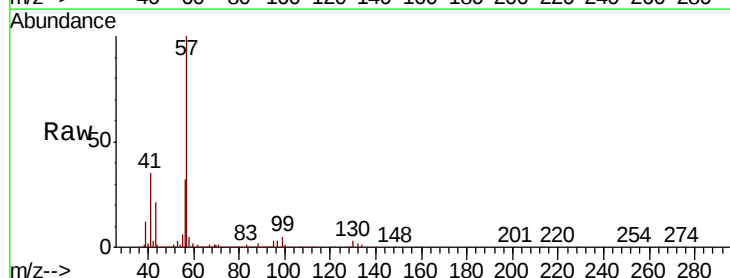
Tgt Ion: 57 Resp: 4402479

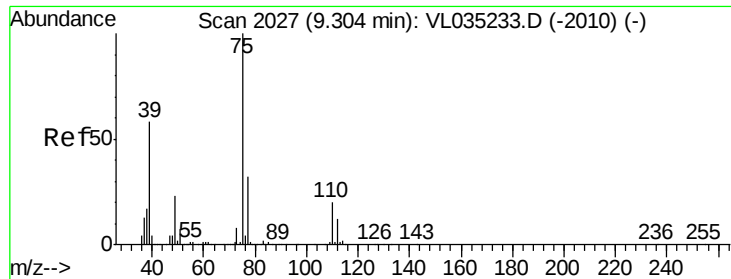
Ion Ratio Lower Upper

57 100

41 33.7 27.0 40.4

56 32.0 25.6 38.4

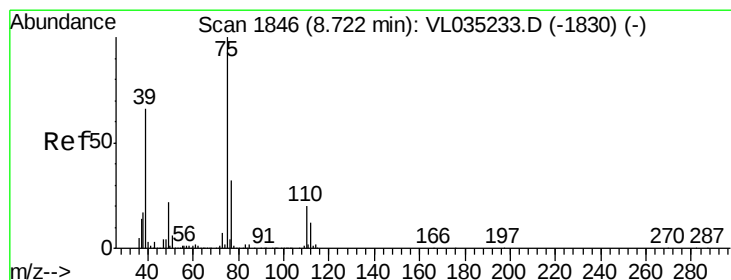
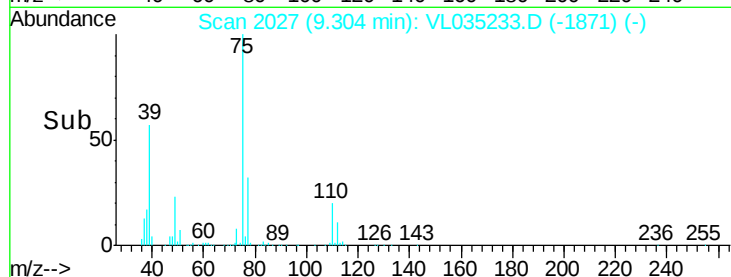
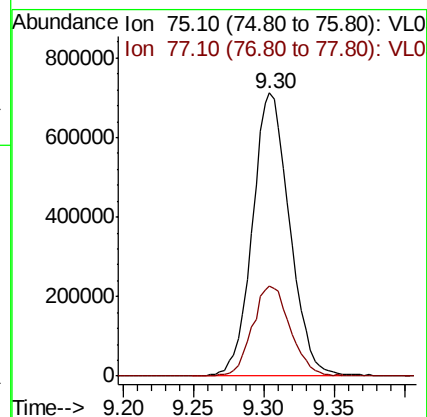
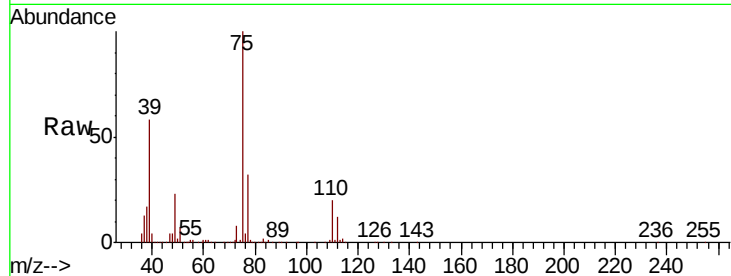




#45
 t-1,3-Dichloropropene
 Concen: 11.529 ppbv
 RT: 9.30 min Scan# 2027
 Delta R.T. 0.00 min
 Lab File: VL035233.D
 Acq: 29 Jul 2020 2:44

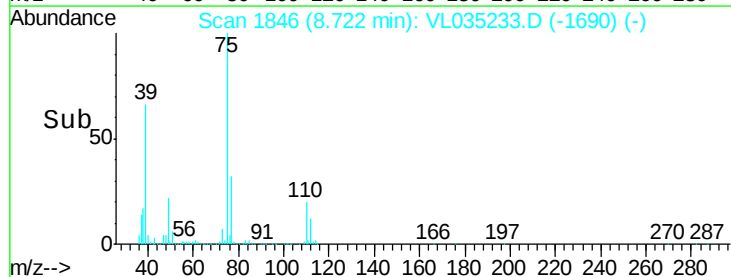
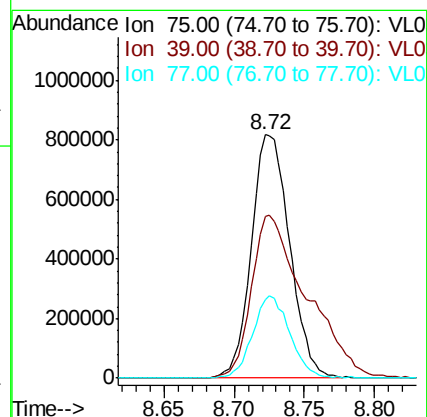
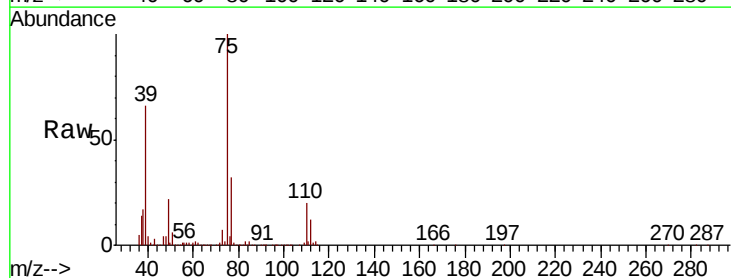
Instrument :
 MSVOA_L
 ClientSampleId :

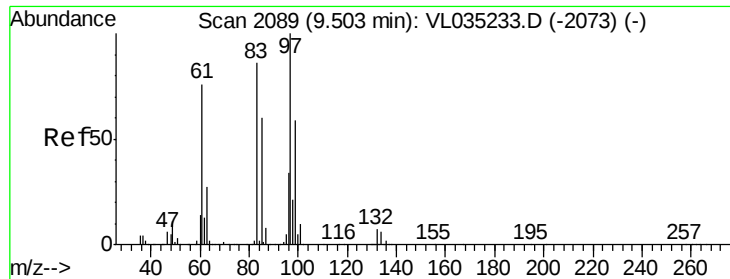
Tot Ion: 75 Resp: 1311010
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.6 38.4



#46
 cis-1,3-Dichloropropene
 Concen: 11.491 ppbv
 RT: 8.72 min Scan# 1846
 Delta R.T. 0.00 min
 Lab File: VL035233.D
 Acq: 29 Jul 2020 2:44

Tgt Ion: 75 Resp: 1554672
 Ion Ratio Lower Upper
 75 100
 39 66.2 53.0 79.4
 77 32.3 25.8 38.8



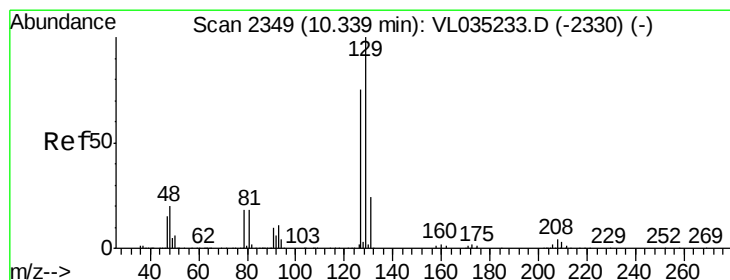
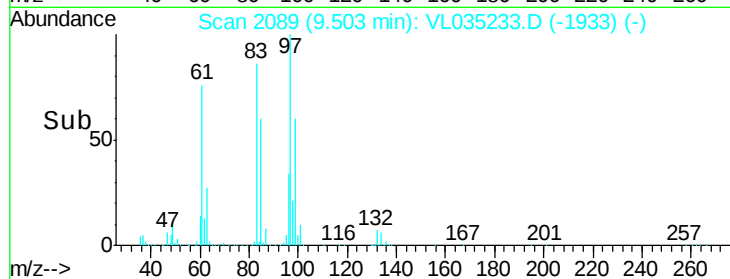
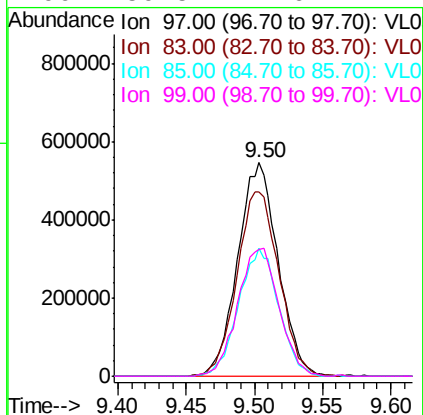
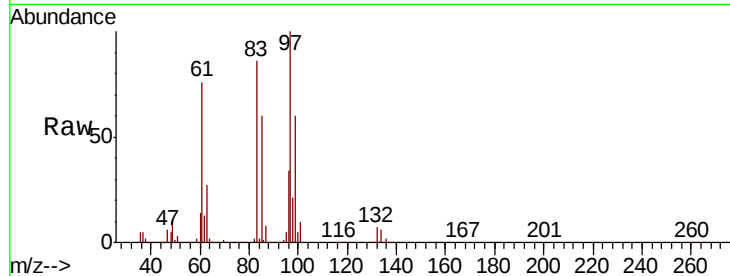


#47
 1,1,2-Trichloroethane
 Concen: 9.995 ppbv
 RT: 9.50 min Scan# 2089
 Delta R.T. 0.00 min
 Lab File: VL035233.D
 Acq: 29 Jul 2020 2:44

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion: 97 Resp: 1121333

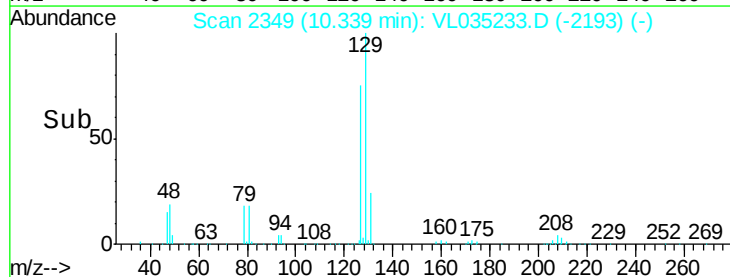
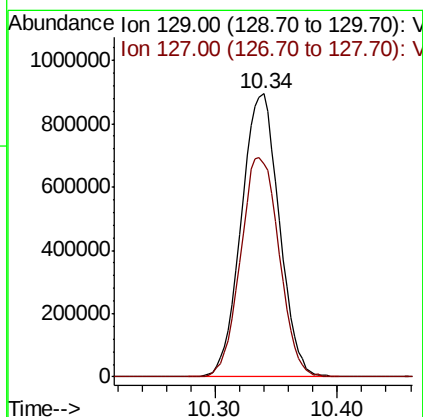
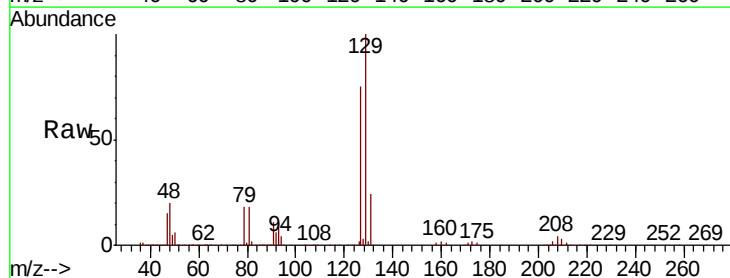
Ion	Ratio	Lower	Upper
97	100		
83	86.2	69.0	103.4
85	59.8	47.8	71.8
99	59.5	47.6	71.4

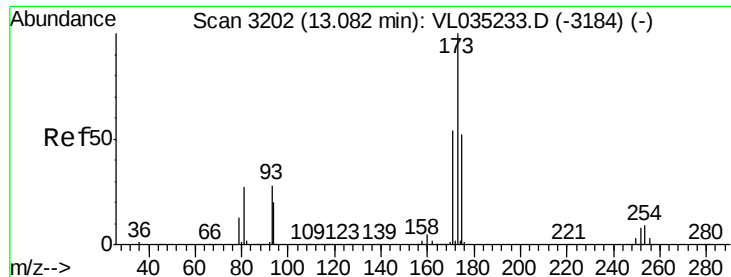


#48
 Dibromochloromethane
 Concen: 10.492 ppbv
 RT: 10.34 min Scan# 2349
 Delta R.T. 0.00 min
 Lab File: VL035233.D
 Acq: 29 Jul 2020 2:44

Tgt Ion: 129 Resp: 1912737

Ion	Ratio	Lower	Upper
129	100		
127	79.3	39.6	119.0





#49

Bromoform

Concen: 6.178 ppbv

RT: 13.08 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VL035233.D

Acq: 29 Jul 2020 2:44

Instrument :

MSVOA_L

ClientSampleId :

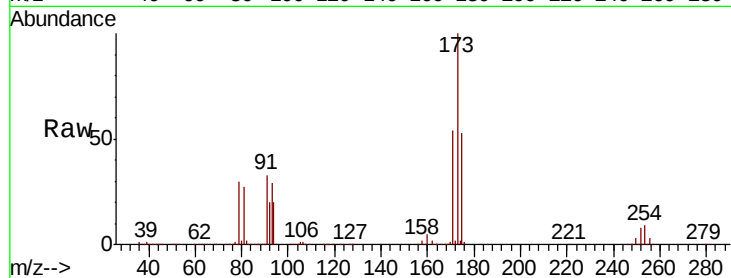
Tot Ion:173 Resp: 994337

Ion Ratio Lower Upper

173 100

175 88.8 40.0 60.0#

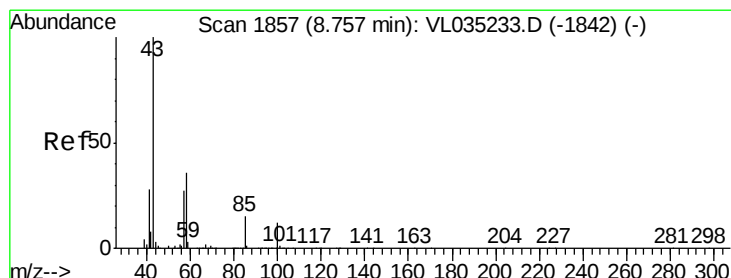
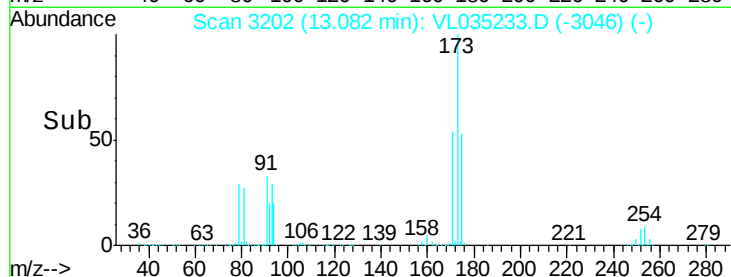
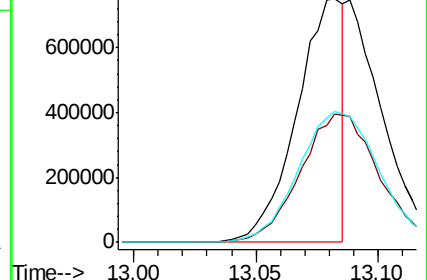
171 92.8 41.8 62.8#



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.234 ppbv

RT: 8.76 min Scan# 1857

Delta R.T. 0.00 min

Lab File: VL035233.D

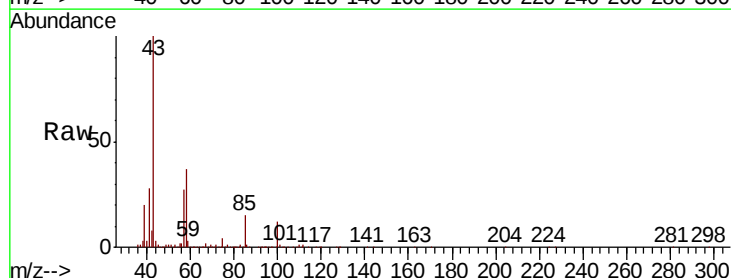
Acq: 29 Jul 2020 2:44

Tgt Ion: 43 Resp: 2770667

Ion Ratio Lower Upper

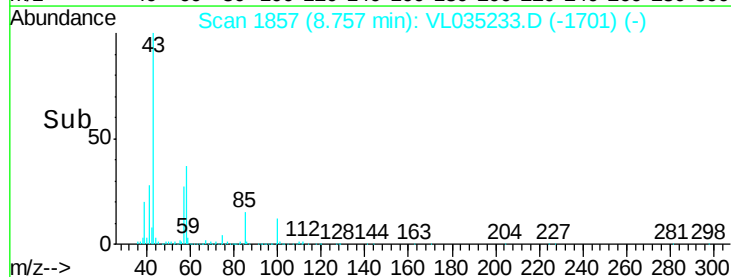
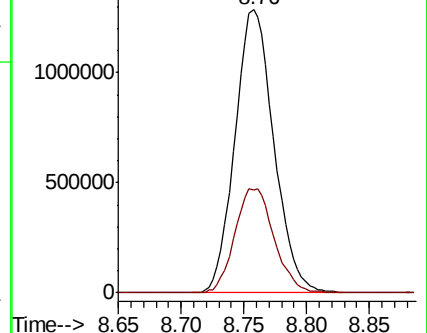
43 100

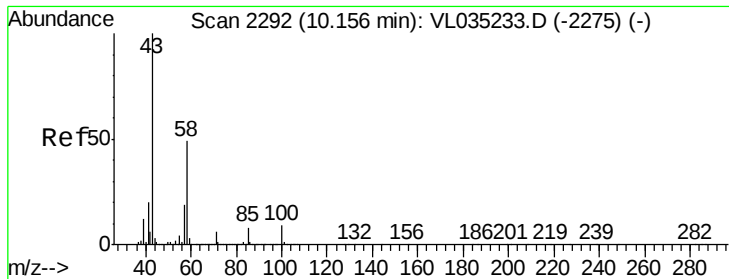
58 37.5 30.0 45.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

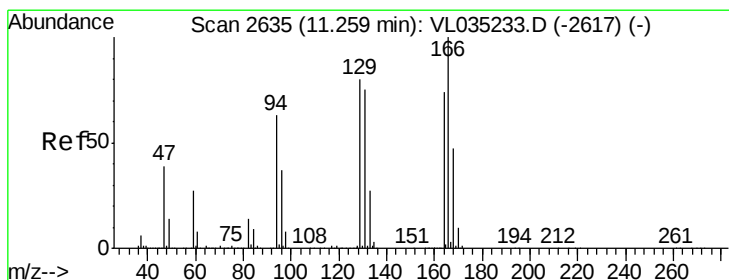
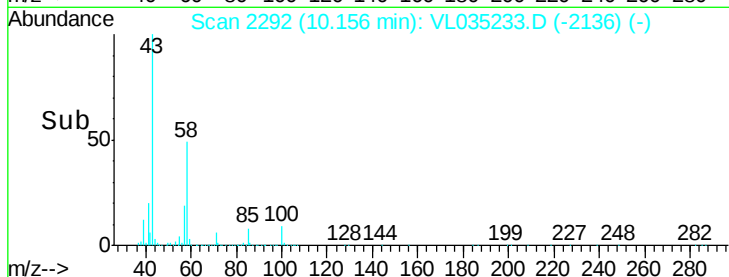
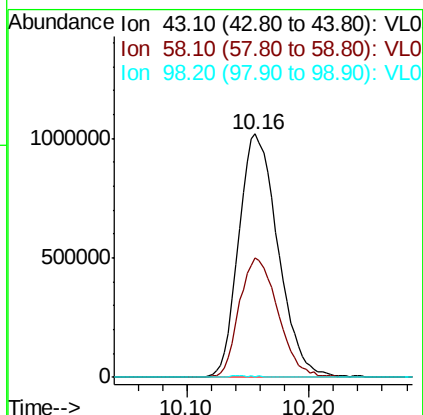
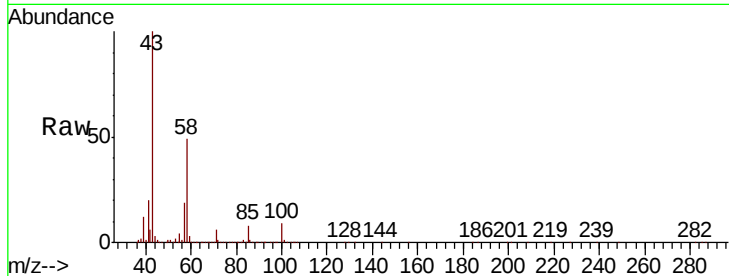




#51
2-Hexanone
Concen: 10.936 ppbv
RT: 10.16 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VL035233.D
Acq: 29 Jul 2020 2:44

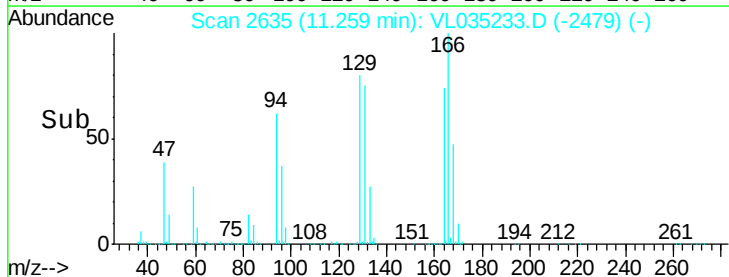
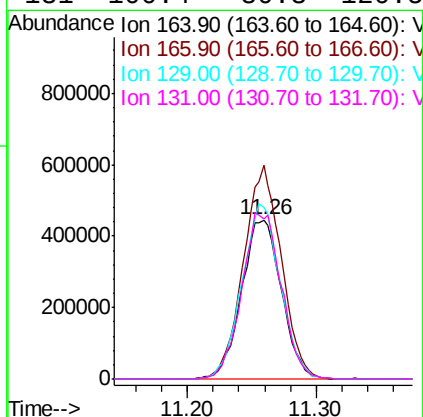
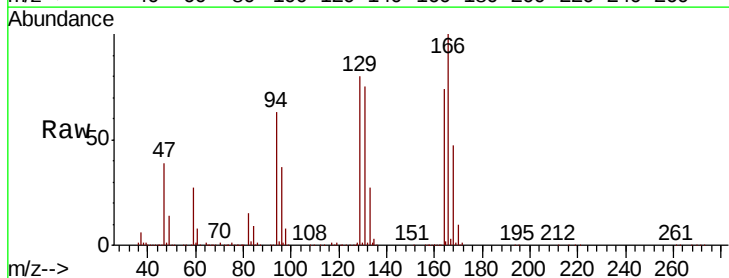
Instrument :
MSVOA_L
ClientSampleId :

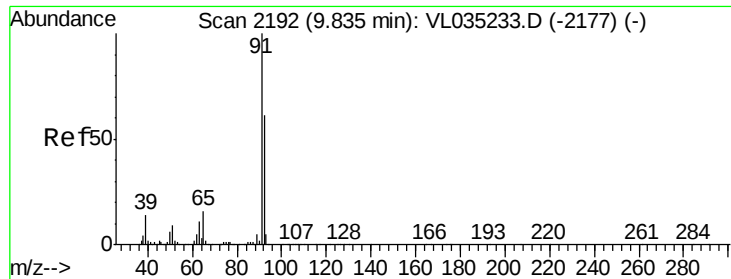
Tot Ion: 43 Resp: 2266986
Ion Ratio Lower Upper
43 100
58 48.5 38.8 58.2
98 0.7 0.6 0.8



#52
Tetrachloroethene
Concen: 9.959 ppbv
RT: 11.26 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VL035233.D
Acq: 29 Jul 2020 2:44

Tgt Ion: 164 Resp: 957241
Ion Ratio Lower Upper
164 100
166 134.4 107.5 161.3
129 107.5 86.0 129.0
131 100.4 80.3 120.5





#53

Toluene

Concen: 11.096 ppbv

RT: 9.83 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VL035233.D

Acq: 29 Jul 2020 2:44

Instrument :

MSVOA_L

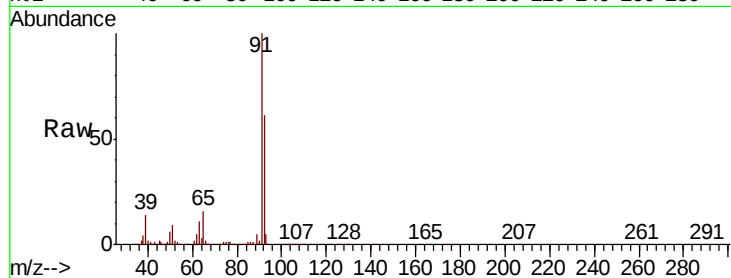
ClientSampleId :

Tot Ion: 91 Resp: 3004541

Ion Ratio Lower Upper

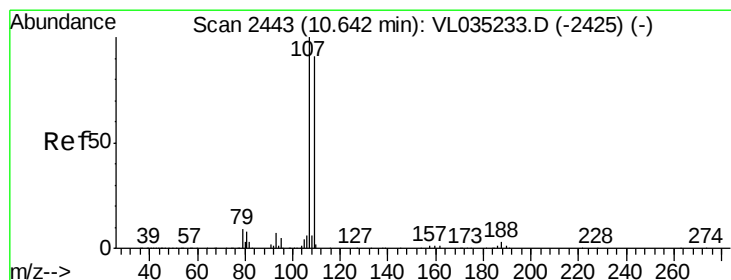
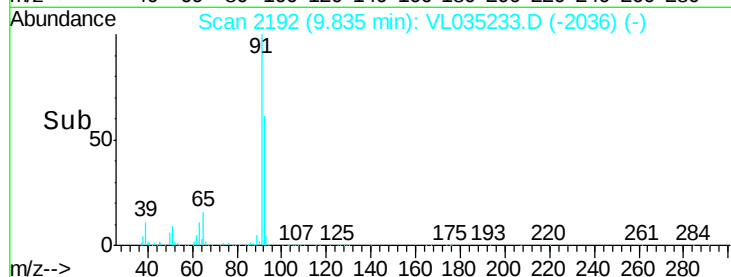
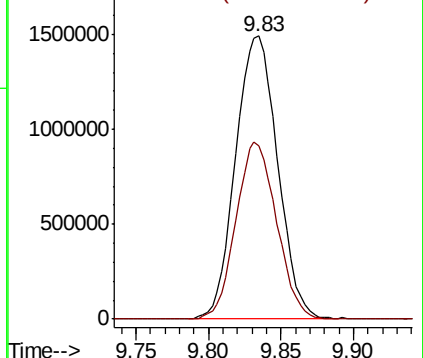
91 100

92 60.6 48.5 72.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 10.237 ppbv

RT: 10.64 min Scan# 2443

Delta R.T. 0.00 min

Lab File: VL035233.D

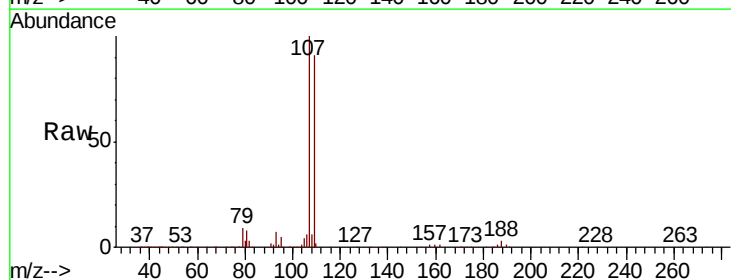
Acq: 29 Jul 2020 2:44

Tgt Ion: 107 Resp: 1702966

Ion Ratio Lower Upper

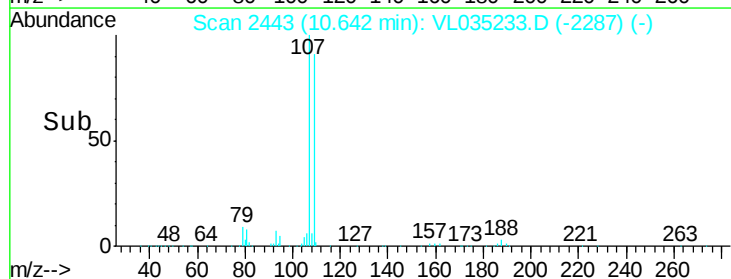
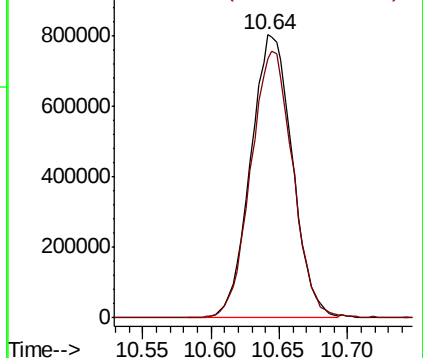
107 100

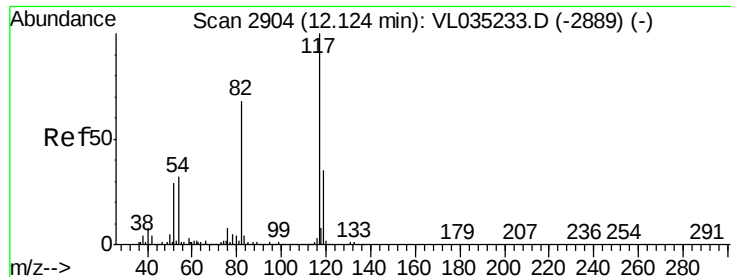
109 91.3 73.0 109.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.12 min Scan# 2904

Delta R.T. 0.00 min

Lab File: VL035233.D

Acq: 29 Jul 2020 2:44

Instrument :

MSVOA_L

ClientSampleId :

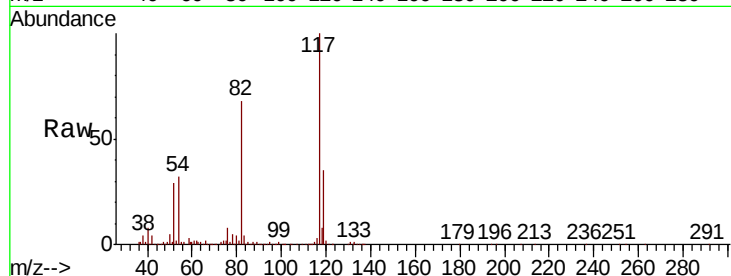
Tot Ion:117 Resp: 4173738

Ion Ratio Lower Upper

117 100

82 54.4 52.4 78.6

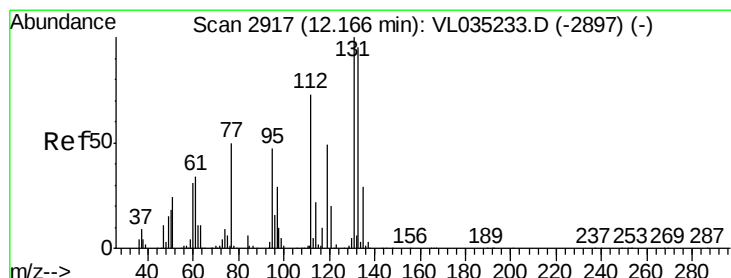
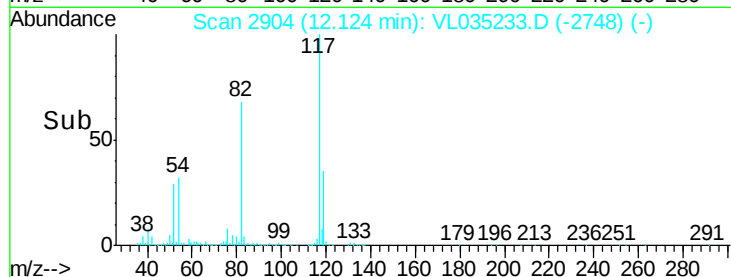
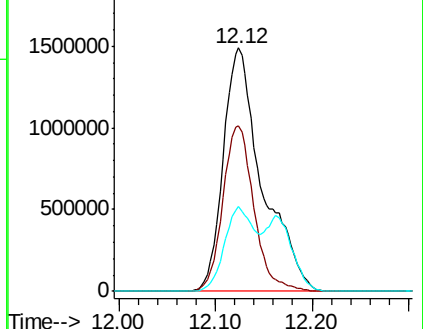
119 27.1 24.6 36.8



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 7.952 ppbv

RT: 12.17 min Scan# 2917

Delta R.T. 0.00 min

Lab File: VL035233.D

Acq: 29 Jul 2020 2:44

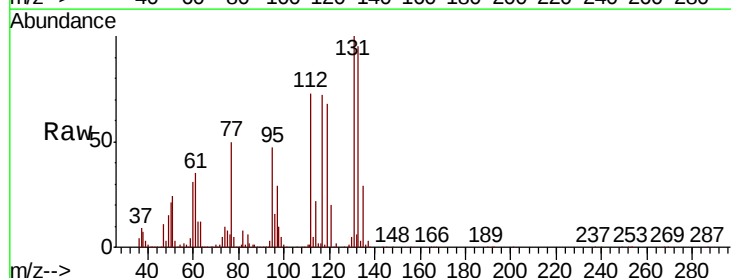
Tgt Ion:131 Resp: 1490774

Ion Ratio Lower Upper

131 100

133 95.1 76.1 114.1

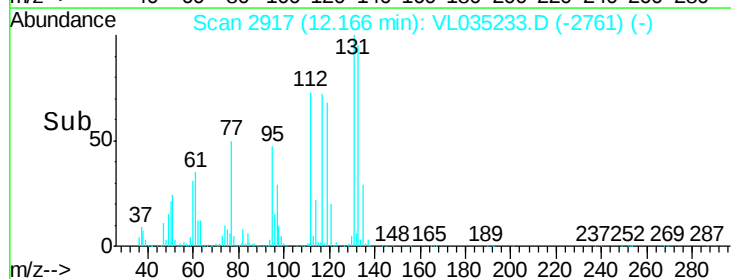
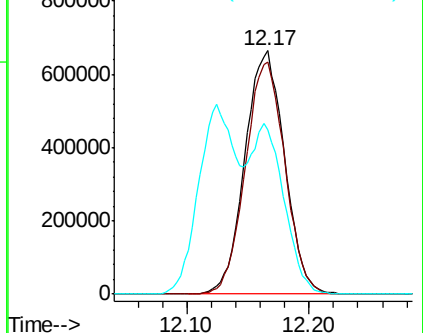
119 55.4 44.3 66.5

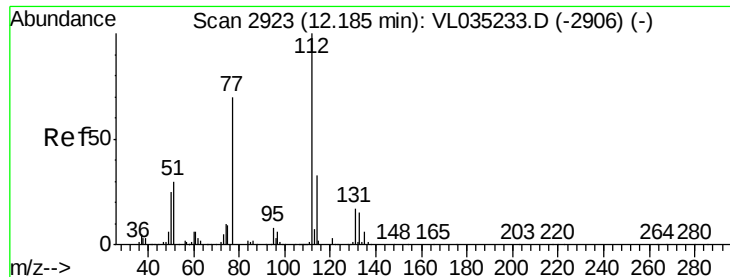


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 7.851 ppbv

RT: 12.18 min Scan# 2923

Delta R.T. 0.00 min

Lab File: VL035233.D

Acq: 29 Jul 2020 2:44

Instrument :

MSVOA_L

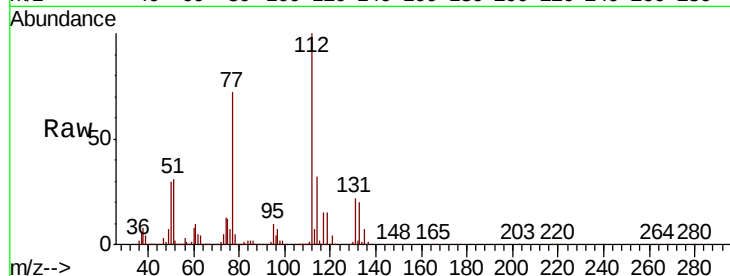
ClientSampled :

Tot Ion:112 Resp: 2452897

Ion	Ratio	Lower	Upper
112	100		
77	71.6	57.3	85.9
114	32.5	29.3	35.8

77 71.6 57.3 85.9

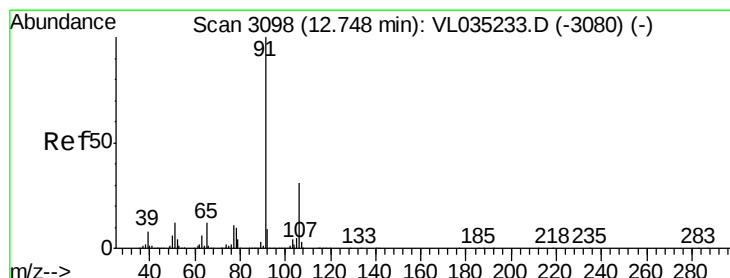
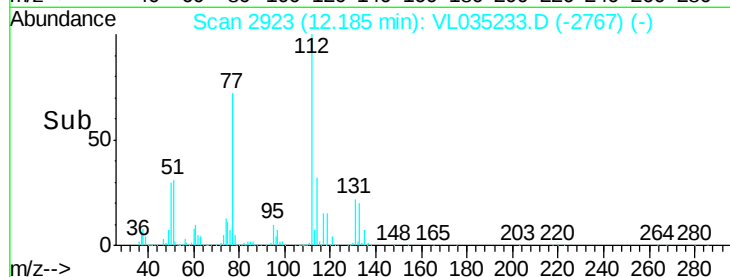
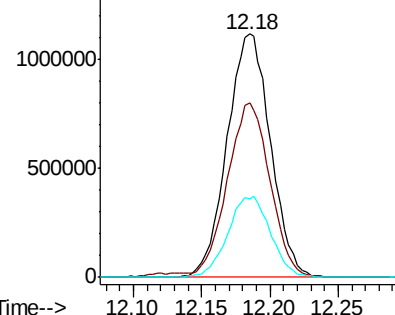
114 32.5 29.3 35.8



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 8.957 ppbv

RT: 12.75 min Scan# 3098

Delta R.T. 0.00 min

Lab File: VL035233.D

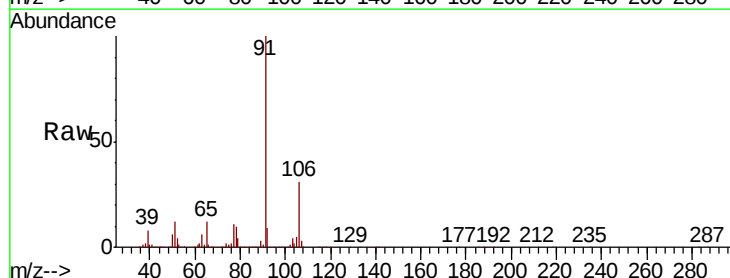
Acq: 29 Jul 2020 2:44

Tgt Ion: 91 Resp: 4180253

Ion	Ratio	Lower	Upper
91	100		
106	31.3	25.0	37.6

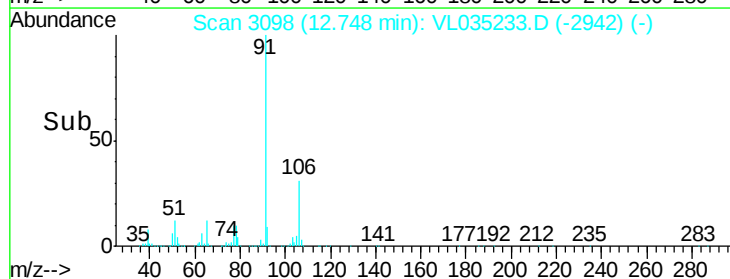
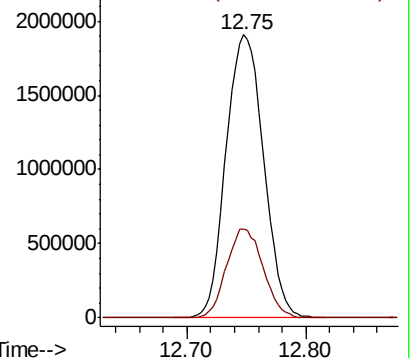
91 100

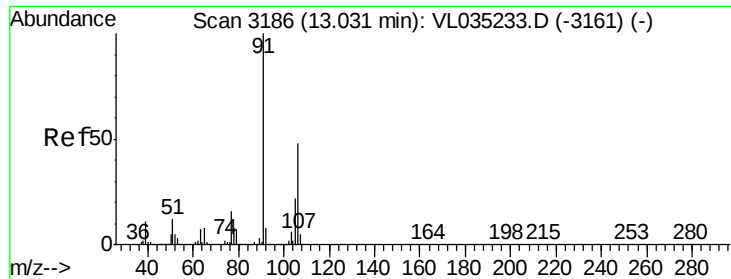
106 31.3 25.0 37.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

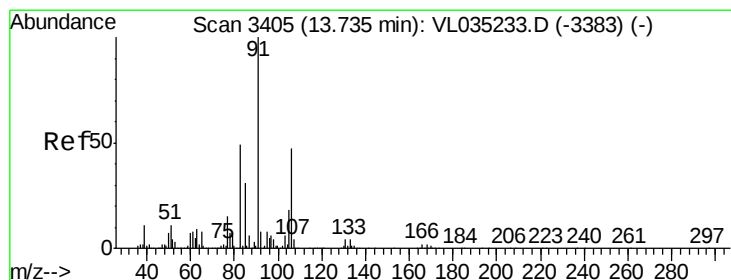
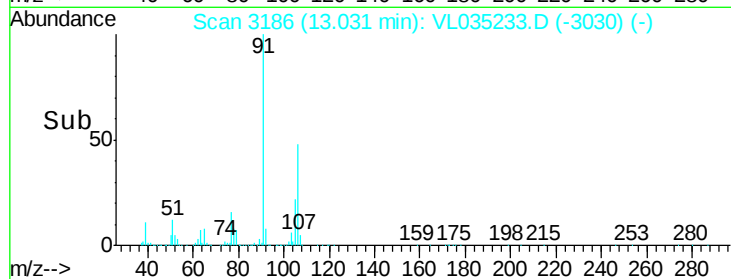
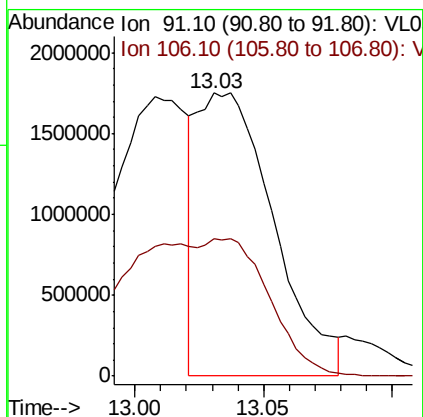
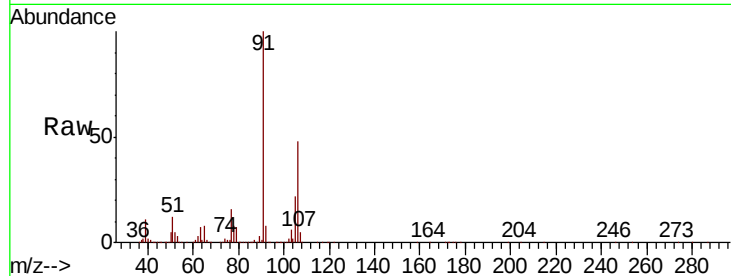




#59
m/p-Xylene
Concen: 8.595 ppbv
RT: 13.03 min Scan# 3186
Delta R.T. 0.00 min
Lab File: VL035233.D
Acq: 29 Jul 2020 2:44

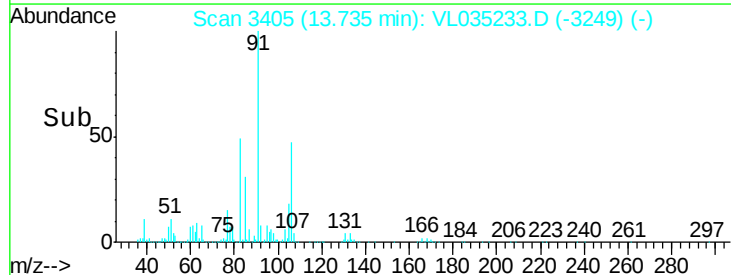
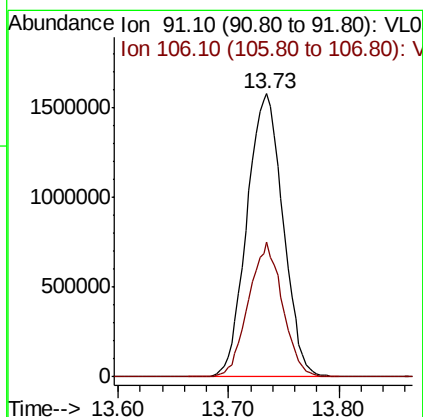
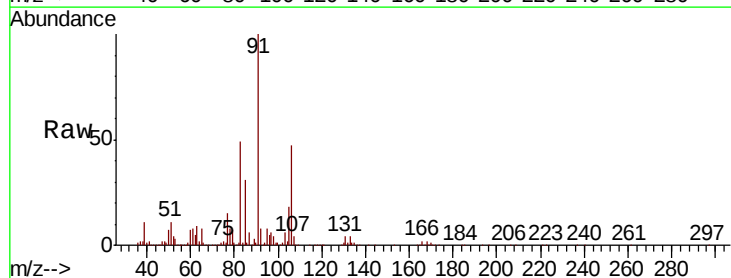
Instrument :
MSVOA_L
ClientSampled :

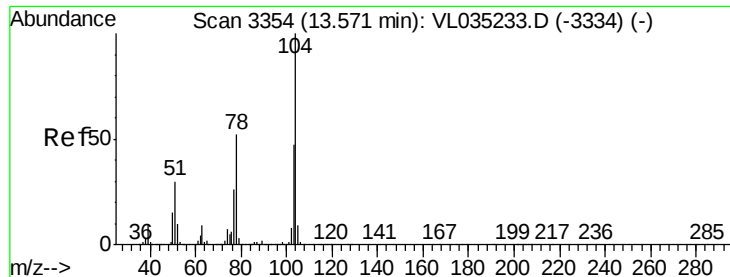
Tot Ion: 91 Resp: 3585649
Ion Ratio Lower Upper
91 100
106 92.0 37.2 55.8#



#60
o-Xylene
Concen: 8.583 ppbv
RT: 13.73 min Scan# 3405
Delta R.T. 0.00 min
Lab File: VL035233.D
Acq: 29 Jul 2020 2:44

Tgt Ion: 91 Resp: 3572742
Ion Ratio Lower Upper
91 100
106 44.7 22.4 67.0





#61

Stvrene

Concen: 9.747 ppbv

RT: 13.57 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VL035233.D

Acq: 29 Jul 2020 2:44

Instrument :

MSVOA_L

ClientSampleId :

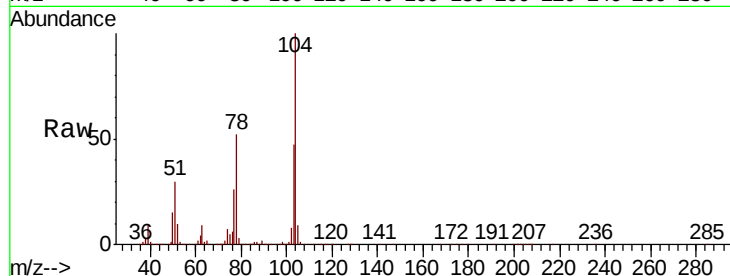
Tot Ion:104 Resp: 2505505

Ion Ratio Lower Upper

104 100

78 54.1 43.3 64.9

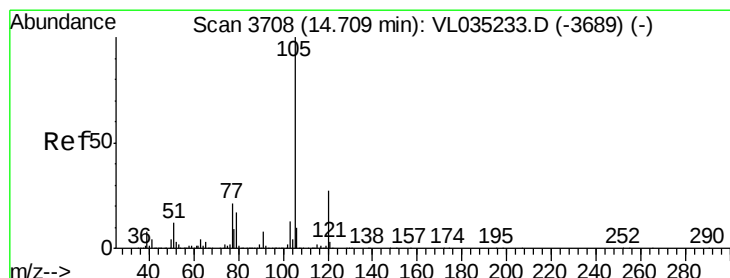
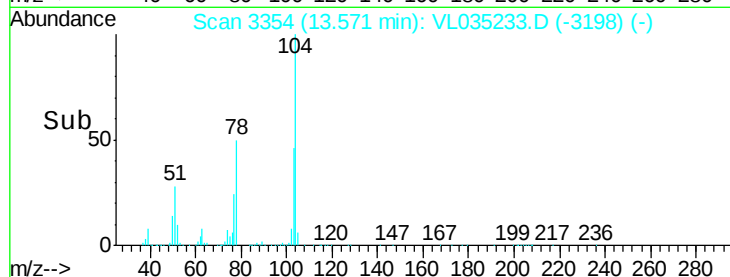
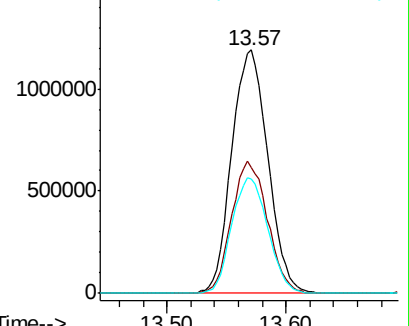
103 47.7 38.2 57.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.472 ppbv

RT: 14.71 min Scan# 3708

Delta R.T. 0.00 min

Lab File: VL035233.D

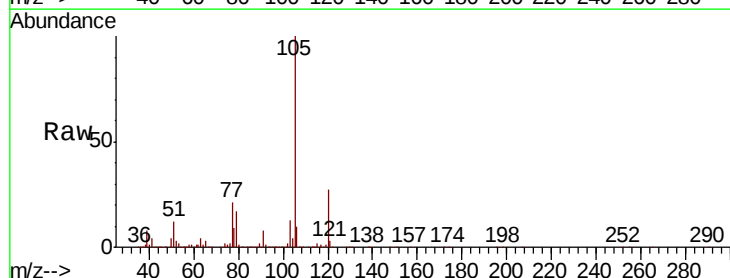
Acq: 29 Jul 2020 2:44

Tgt Ion:105 Resp: 5228181

Ion Ratio Lower Upper

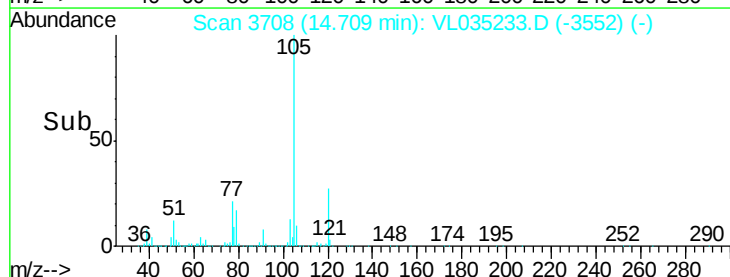
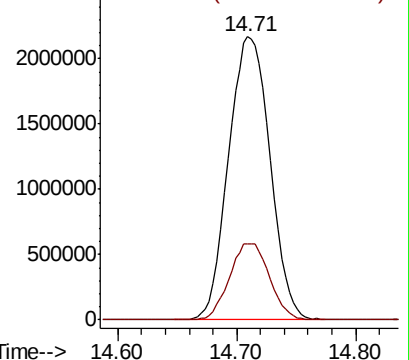
105 100

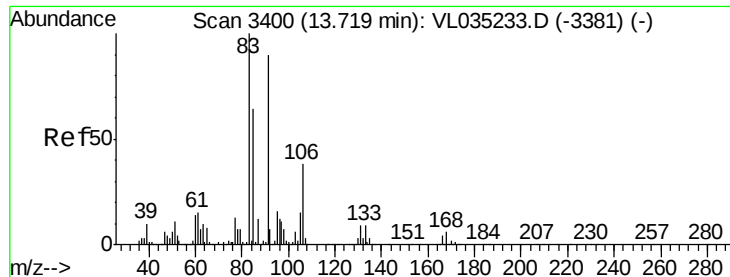
120 26.0 20.8 31.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 7.616 ppbv

RT: 13.72 min Scan# 3400

Delta R.T. 0.00 min

Lab File: VL035233.D

Acq: 29 Jul 2020 2:44

Instrument :

MSVOA_L

ClientSampleId :

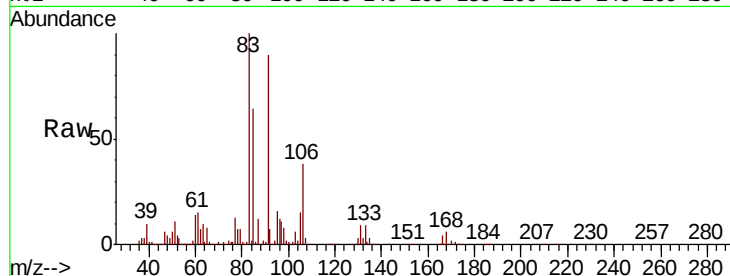
Tot Ion: 83 Resp: 2648267

Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.6	13.8
85	65.4	32.7	98.1

83 100

131 9.2 4.6 13.8

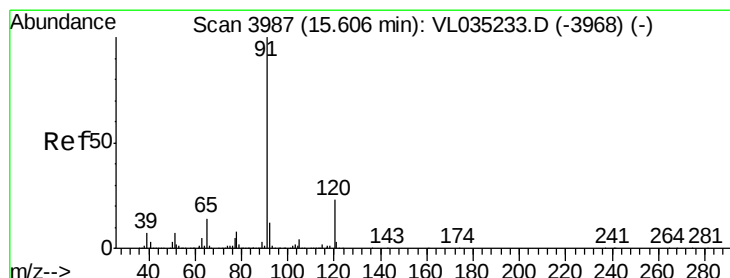
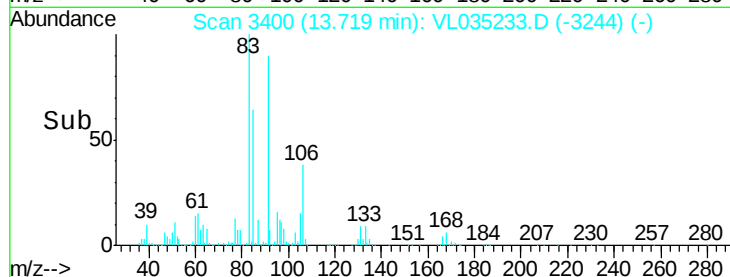
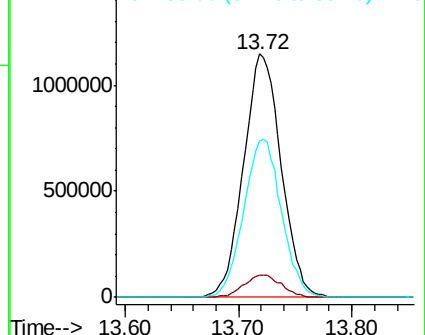
85 65.4 32.7 98.1



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 8.819 ppbv

RT: 15.61 min Scan# 3987

Delta R.T. 0.00 min

Lab File: VL035233.D

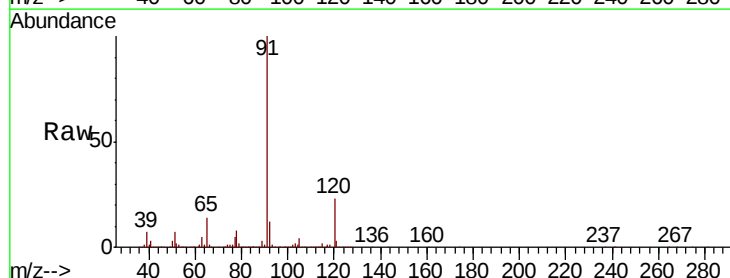
Acq: 29 Jul 2020 2:44

Tgt Ion: 120 Resp: 1408991

Ion	Ratio	Lower	Upper
120	100		
91	459.5	367.5	551.3

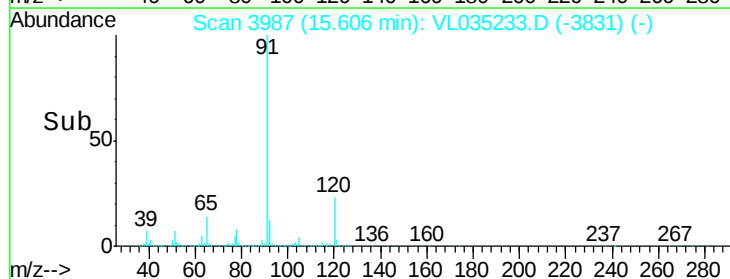
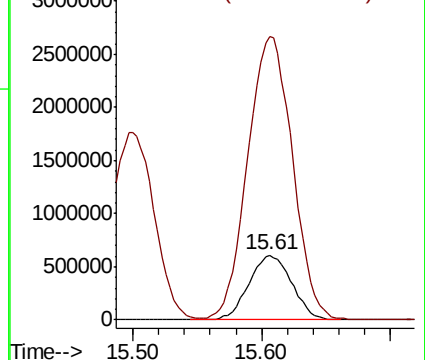
120 100

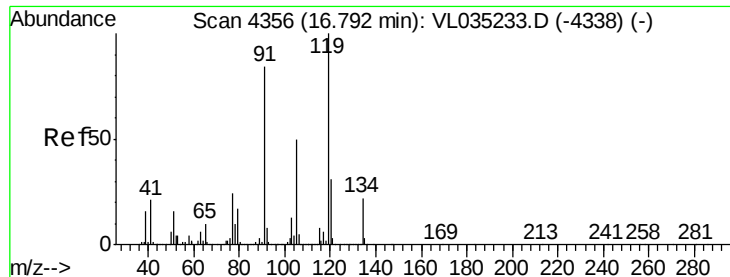
91 459.5 367.5 551.3



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 8.434 ppbv

RT: 16.79 min Scan# 4356

Delta R.T. 0.00 min

Lab File: VL035233.D

Acq: 29 Jul 2020 2:44

Instrument :

MSVOA_L

ClientSampleId :

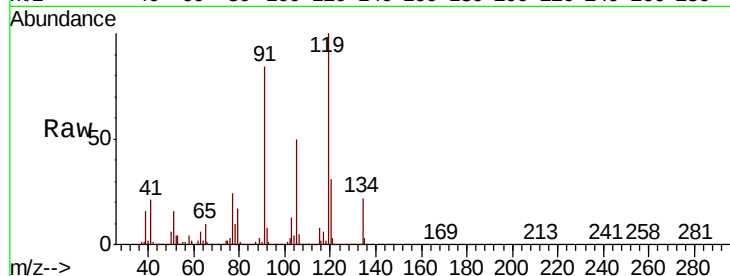
Tot Ion:119 Resp: 4672531

Ion Ratio Lower Upper

119 100

91 85.0 68.0 102.0

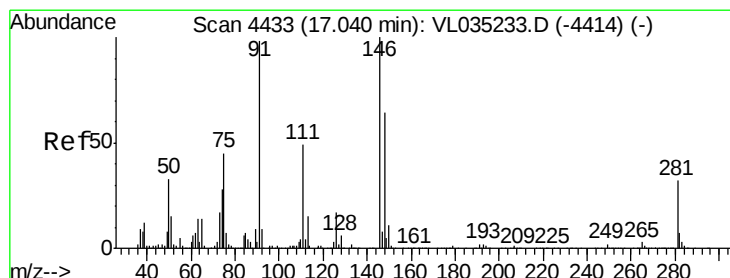
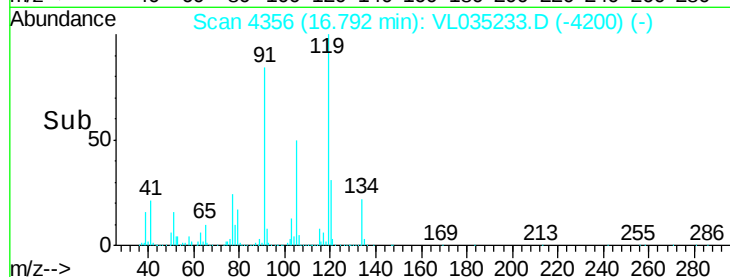
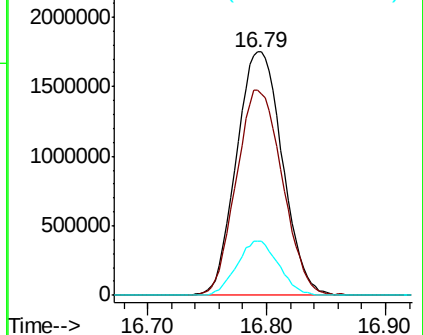
134 20.4 16.3 24.5



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 9.855 ppbv

RT: 17.04 min Scan# 4433

Delta R.T. 0.00 min

Lab File: VL035233.D

Acq: 29 Jul 2020 2:44

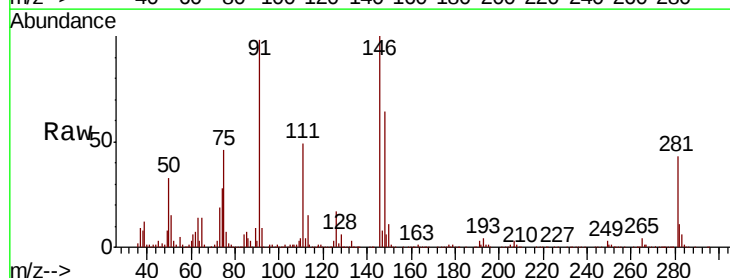
Tgt Ion: 91 Resp: 1966662

Ion Ratio Lower Upper

91 100

126 17.6 14.1 21.1

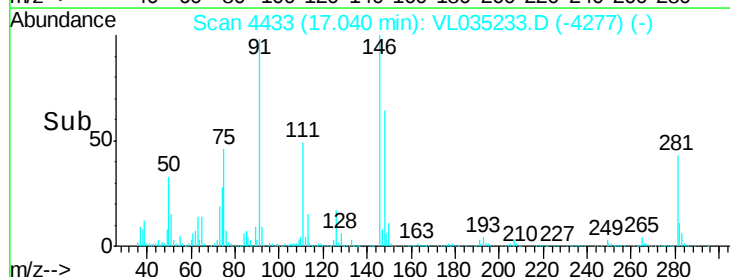
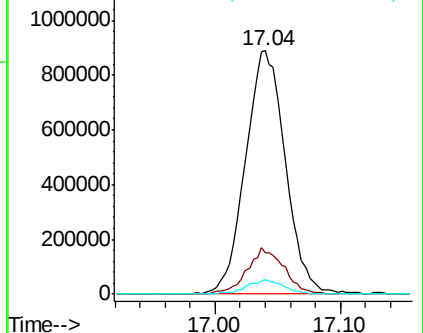
128 5.5 4.4 6.6

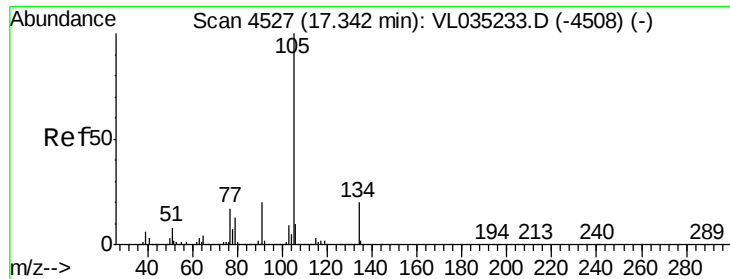


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.287 ppbv

RT: 17.34 min Scan# 4527

Delta R.T. 0.00 min

Lab File: VL035233.D

Acq: 29 Jul 2020 2:44

Instrument :

MSVOA_L

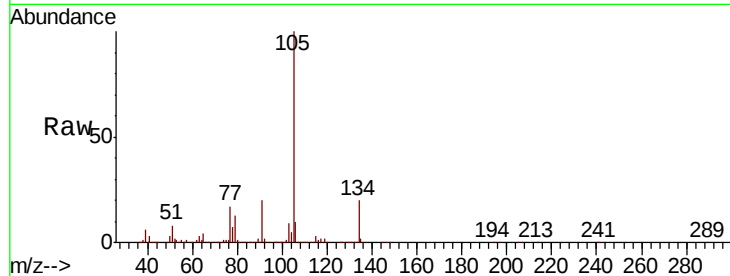
ClientSampled :

Tot Ion:105 Resp: 6687821

Ion Ratio Lower Upper

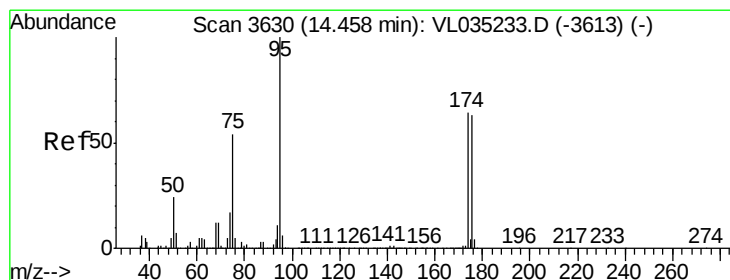
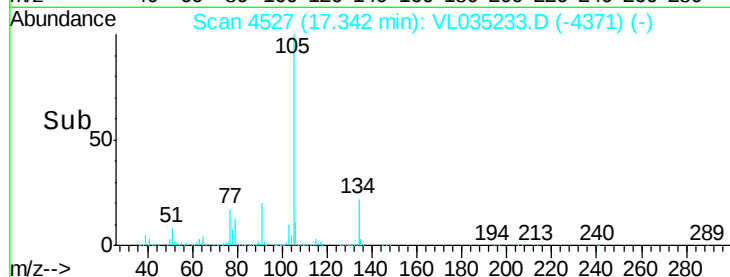
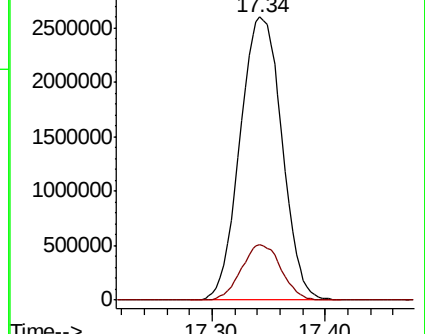
105 100

134 18.7 15.0 22.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.100 ppbv

RT: 14.46 min Scan# 3630

Delta R.T. 0.00 min

Lab File: VL035233.D

Acq: 29 Jul 2020 2:44

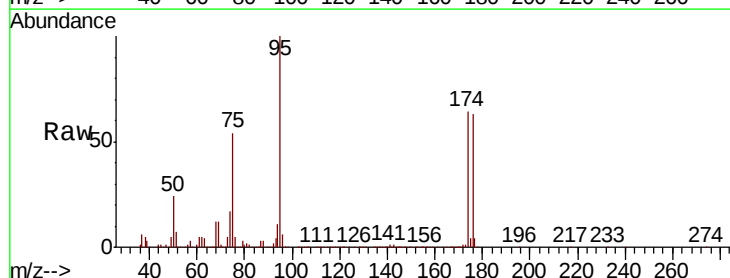
Tgt Ion: 95 Resp: 2752031

Ion Ratio Lower Upper

95 100

174 65.8 52.7 79.1

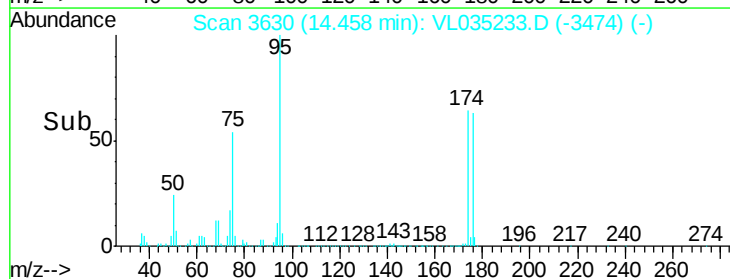
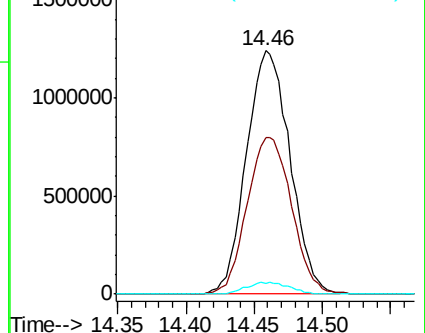
175 4.9 3.9 5.9

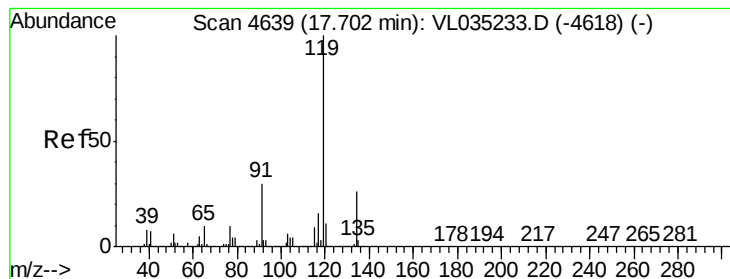


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 8.897 ppbv

RT: 17.70 min Scan# 4639

Delta R.T. 0.00 min

Lab File: VL035233.D

Acq: 29 Jul 2020 2:44

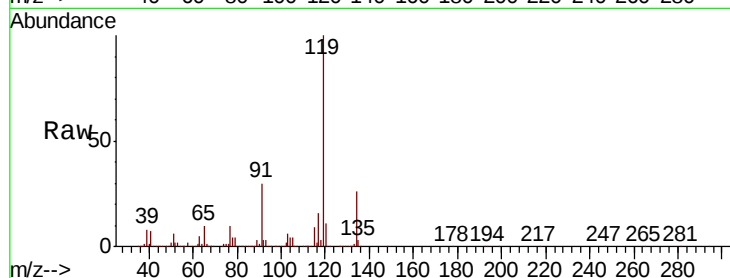
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:119 Resp: 5669477

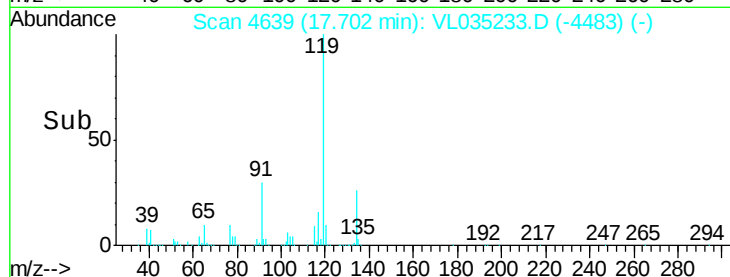
Ion	Ratio	Lower	Upper
119	100		
134	26.0	20.8	31.2
91	30.9	24.7	37.1



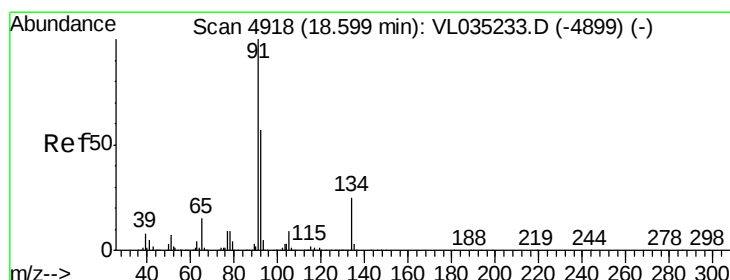
Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



Time-->



#70

n-Butylbenzene

Concen: 8.807 ppbv

RT: 18.60 min Scan# 4918

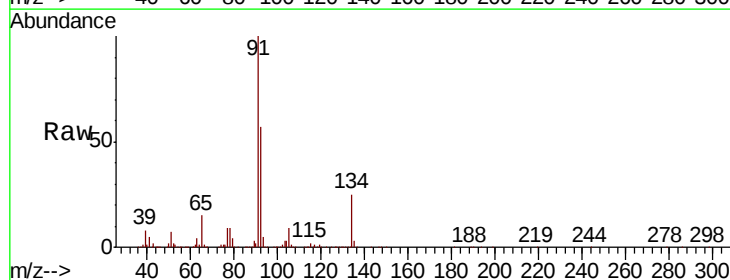
Delta R.T. 0.00 min

Lab File: VL035233.D

Acq: 29 Jul 2020 2:44

Tgt Ion: 91 Resp: 5952104

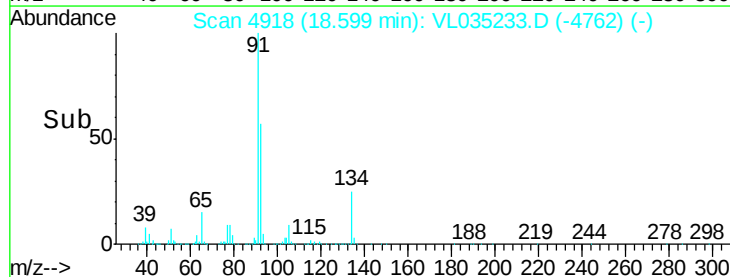
Ion	Ratio	Lower	Upper
91	100		
92	56.1	44.9	67.3
134	23.3	18.6	28.0



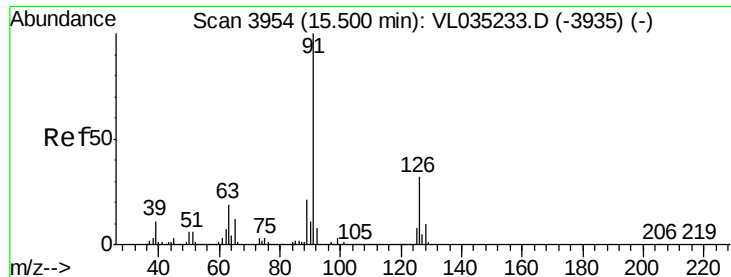
Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V



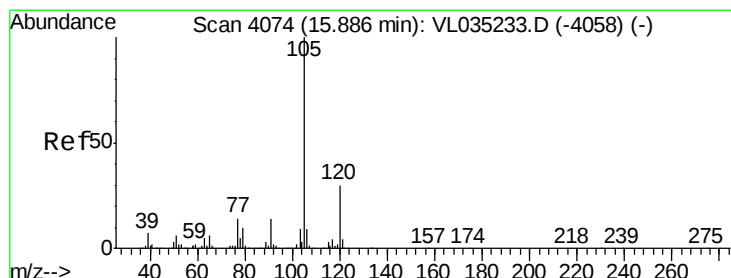
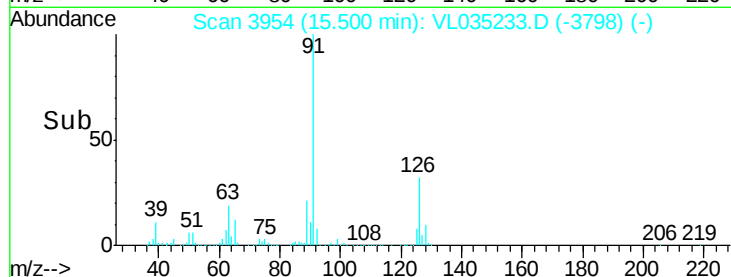
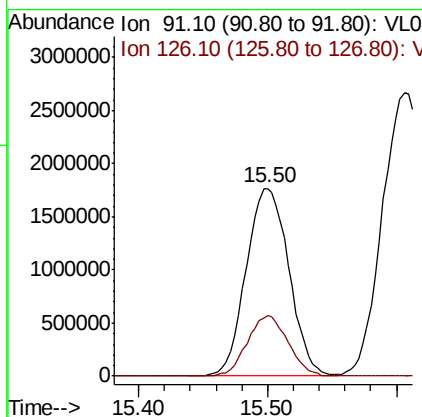
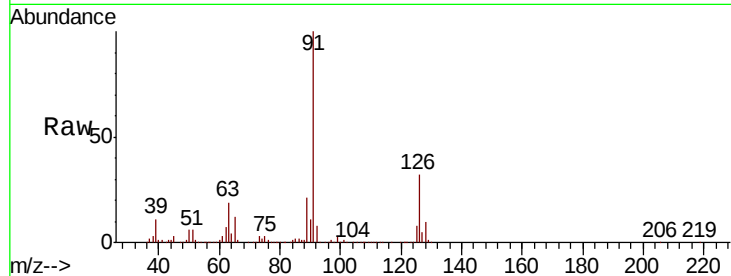
Time-->



#71
 2-Chlorotoluene
 Concen: 8.745 ppbv
 RT: 15.50 min Scan# 3954
 Delta R.T. 0.00 min
 Lab File: VL035233.D
 Acq: 29 Jul 2020 2:44

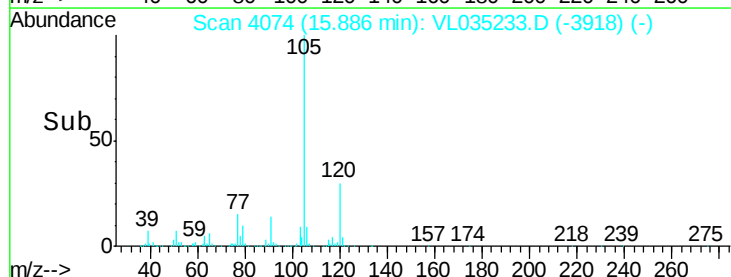
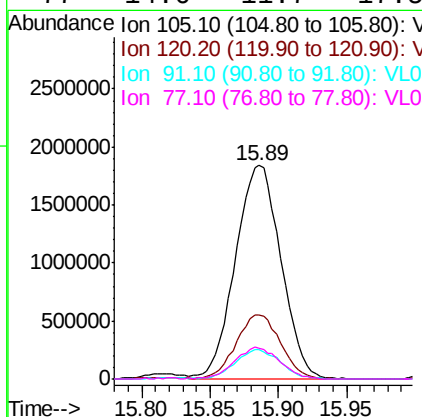
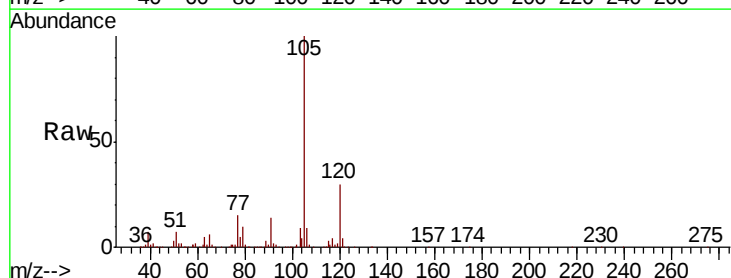
Instrument :
 MSVOA_L
 ClientSampled :

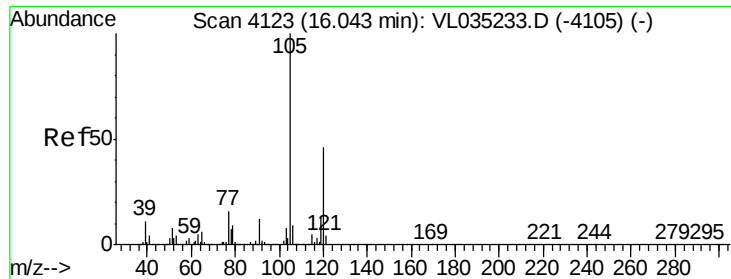
Tot Ion: 91 Resp: 4085759
 Ion Ratio Lower Upper
 91 100
 126 30.7 12.3 49.1



#72
 4-Ethyltoluene
 Concen: 9.057 ppbv
 RT: 15.89 min Scan# 4074
 Delta R.T. 0.00 min
 Lab File: VL035233.D
 Acq: 29 Jul 2020 2:44

Tgt Ion:105 Resp: 4261562
 Ion Ratio Lower Upper
 105 100
 120 30.1 23.6 35.4
 91 13.6 11.0 16.6
 77 14.6 11.7 17.5

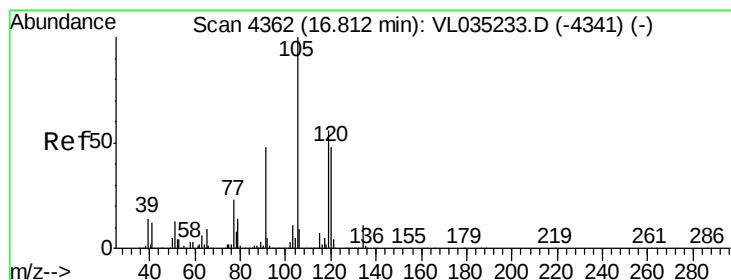
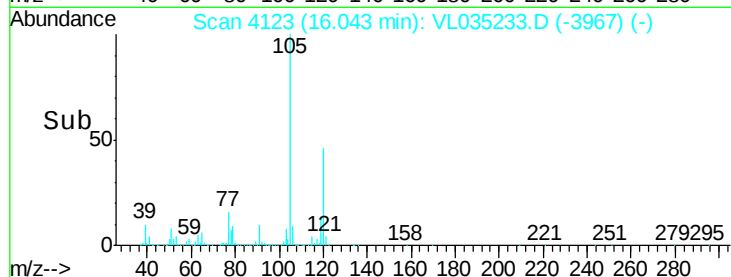
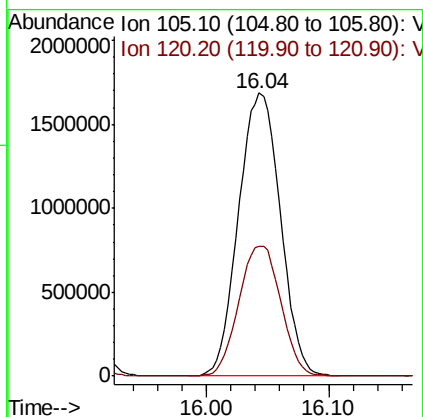
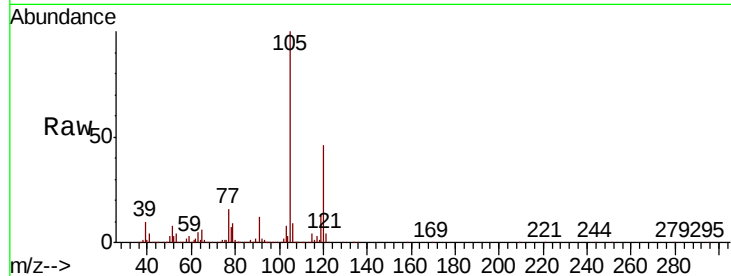




#73
 1,3,5-Trimethylbenzene
 Concen: 8.799 ppbv
 RT: 16.04 min Scan# 4123
 Delta R.T. 0.00 min
 Lab File: VL035233.D
 Acq: 29 Jul 2020 2:44

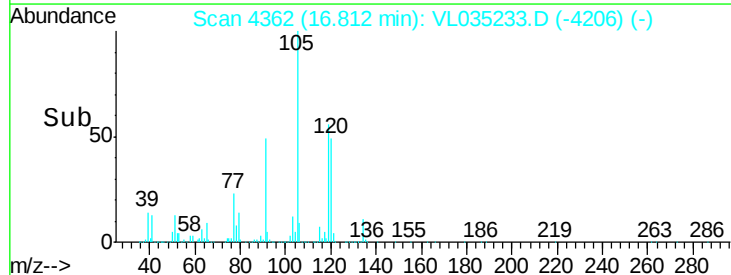
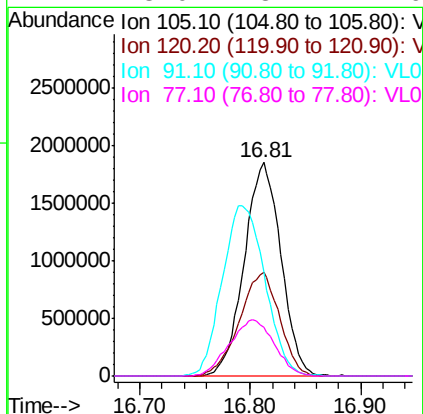
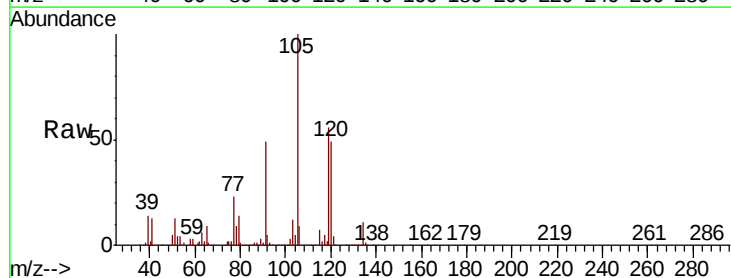
Instrument :
 MSVOA_L
 ClientSampleId :

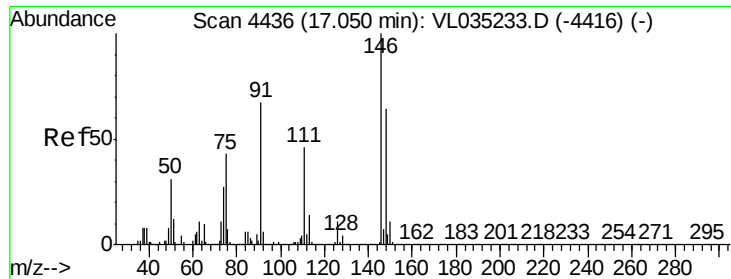
Tot Ion:105 Resp: 3983780
 Ion Ratio Lower Upper
 105 100
 120 46.0 36.8 55.2



#74
 1,2,4-Trimethylbenzene
 Concen: 8.493 ppbv
 RT: 16.81 min Scan# 4362
 Delta R.T. 0.00 min
 Lab File: VL035233.D
 Acq: 29 Jul 2020 2:44

Tgt Ion:105 Resp: 4270116
 Ion Ratio Lower Upper
 105 100
 120 48.5 38.8 58.2
 91 48.6 38.9 58.3
 77 23.0 18.4 27.6





#75

1,3-Dichlorobenzene

Concen: 7.887 ppbv

RT: 17.05 min Scan# 4436

Delta R.T. 0.00 min

Lab File: VL035233.D

Acq: 29 Jul 2020 2:44

Instrument :

MSVOA_L

ClientSampleId :

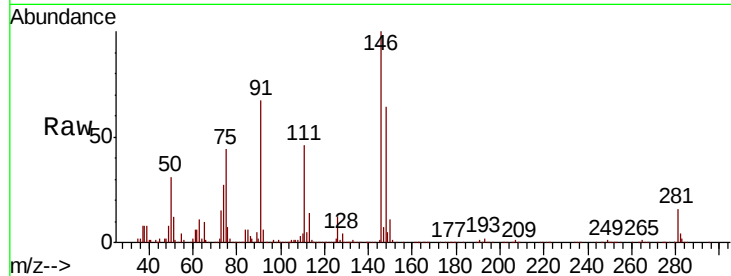
Tot Ion:146 Resp: 2520482

Ion Ratio Lower Upper

146 100

111 48.9 24.4 73.4

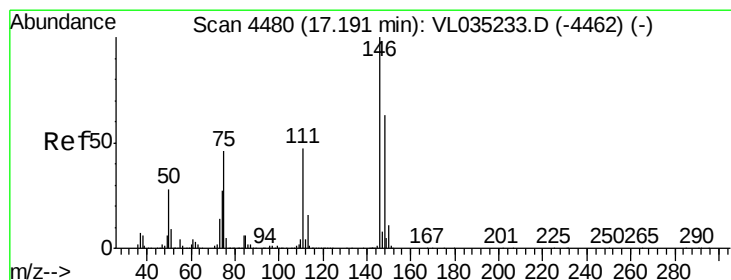
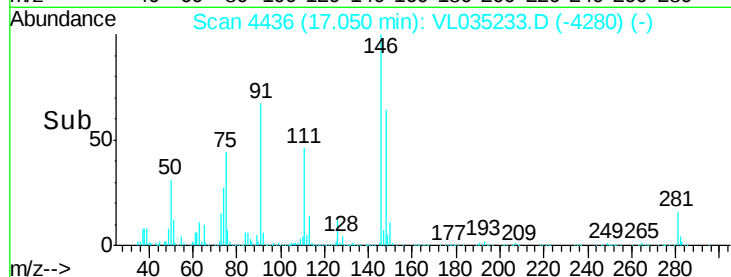
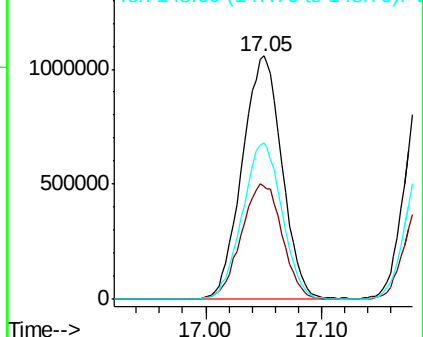
148 64.3 32.1 96.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 8.484 ppbv

RT: 17.19 min Scan# 4480

Delta R.T. 0.00 min

Lab File: VL035233.D

Acq: 29 Jul 2020 2:44

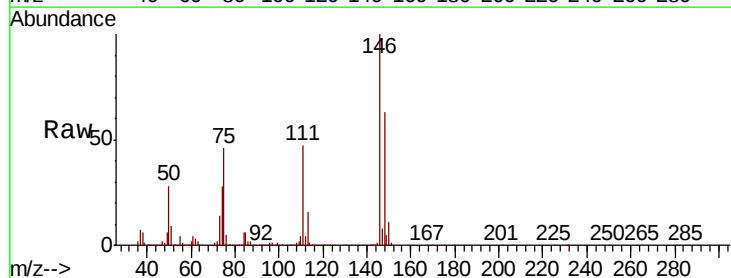
Tgt Ion:146 Resp: 2517092

Ion Ratio Lower Upper

146 100

111 47.0 23.4 70.2

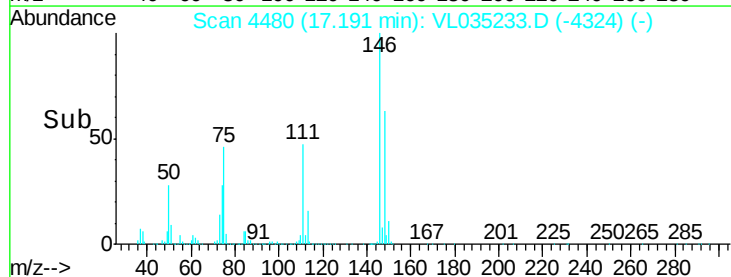
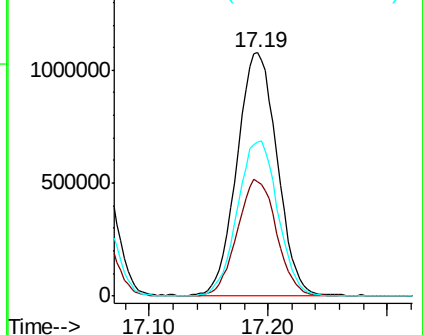
148 64.4 32.2 96.6

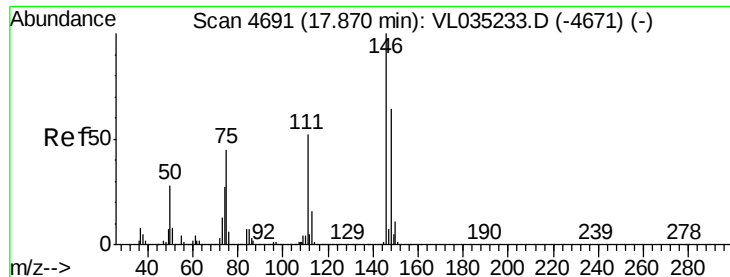


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

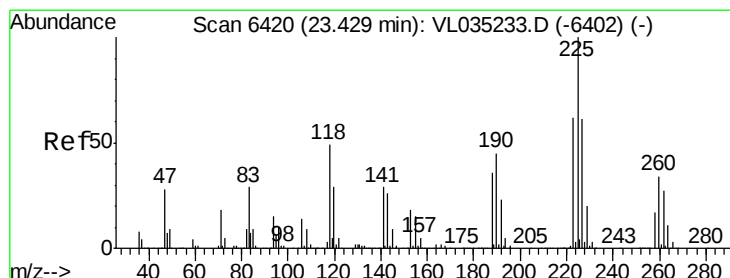
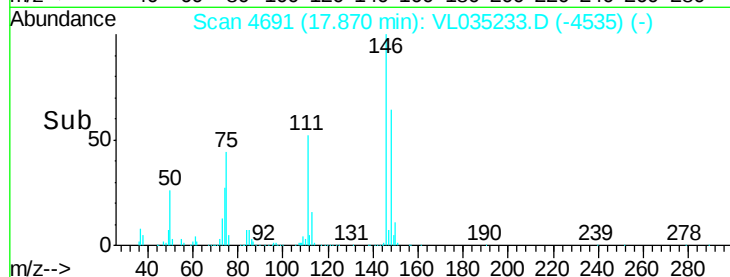
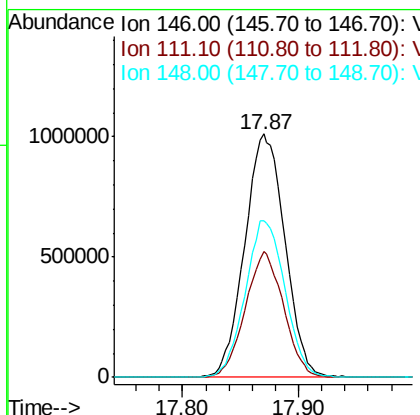
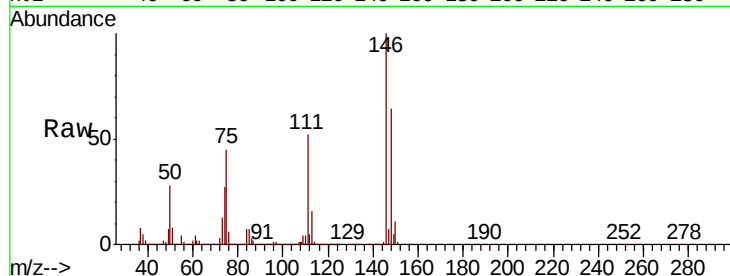




#77
 1,2-Dichlorobenzene
 Concen: 8.448 ppbv
 RT: 17.87 min Scan# 4691
 Delta R.T. 0.00 min
 Lab File: VL035233.D
 Acq: 29 Jul 2020 2:44

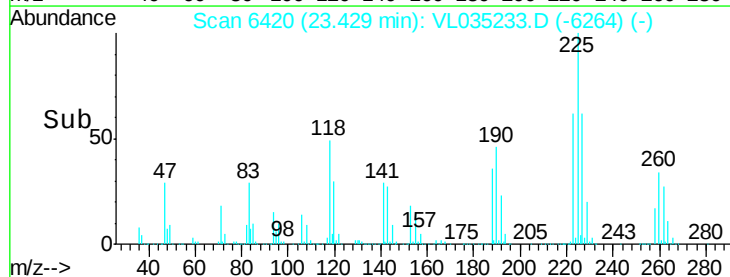
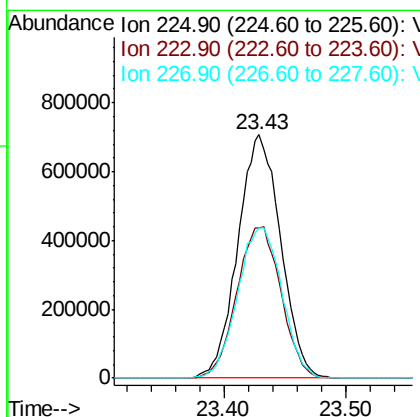
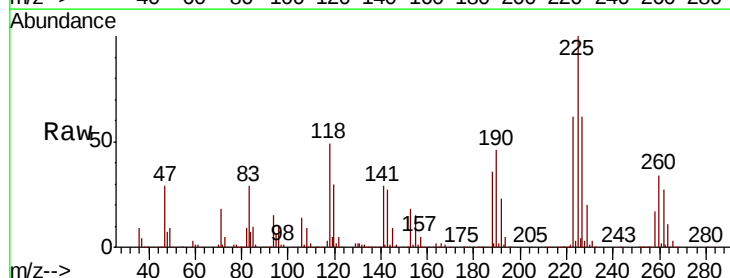
Instrument :
 MSVOA_L
 ClientSampleId :

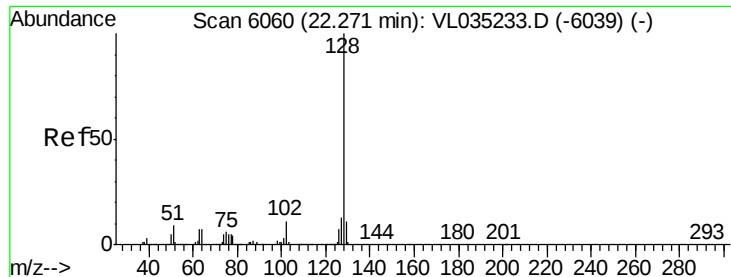
Tot Ion:146 Resp: 2435482
 Ion Ratio Lower Upper
 146 100
 111 49.2 24.6 73.8
 148 64.0 32.0 96.0



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.601 ppbv
 RT: 23.43 min Scan# 6420
 Delta R.T. 0.00 min
 Lab File: VL035233.D
 Acq: 29 Jul 2020 2:44

Tgt Ion:225 Resp: 1716760
 Ion Ratio Lower Upper
 225 100
 223 64.1 51.3 76.9
 227 64.3 51.4 77.2

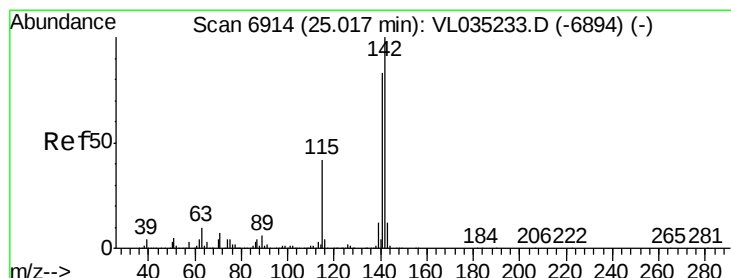
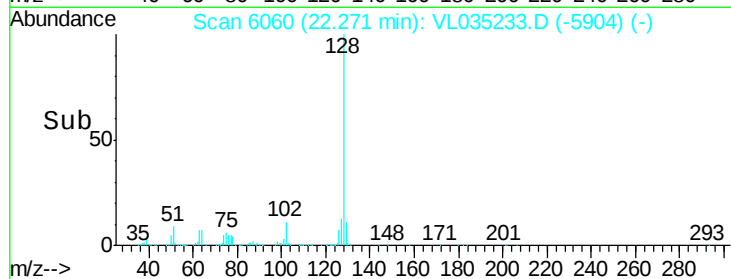
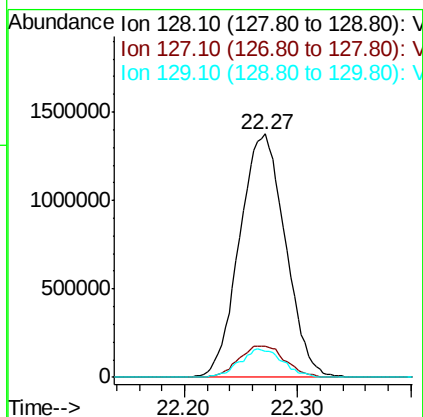
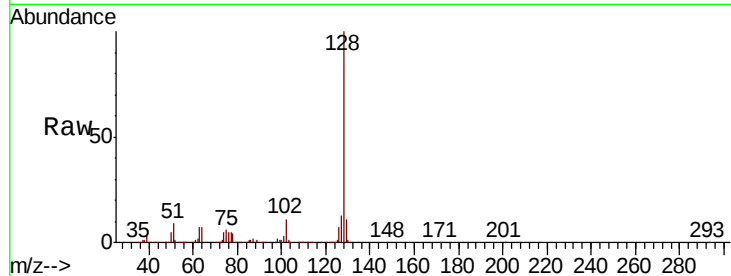




#79
Naphthalene
Concen: 11.514 ppbv
RT: 22.27 min Scan# 6060
Delta R.T. 0.00 min
Lab File: VL035233.D
Acq: 29 Jul 2020 2:44

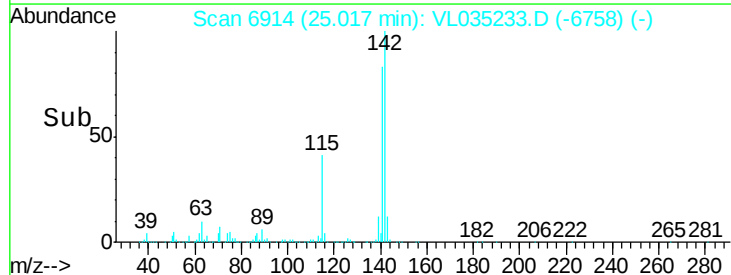
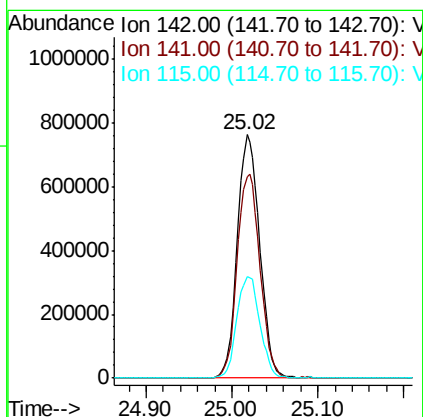
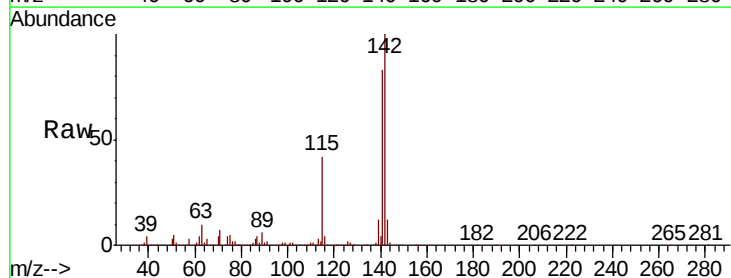
Instrument :
MSVOA_L
ClientSampleId :

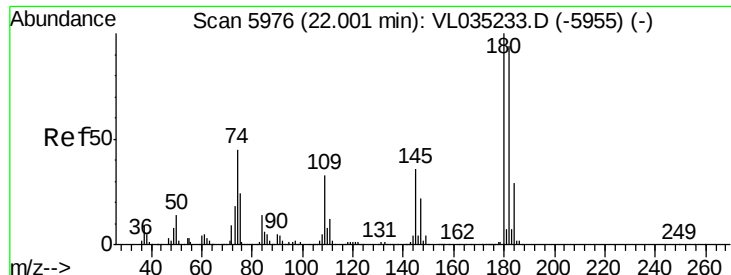
Tot Ion:128 Resp: 3848357
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 10.6 8.5 12.7



#80
Naphthalene, 2-methyl-
Concen: 17.324 ppbv
RT: 25.02 min Scan# 6914
Delta R.T. 0.00 min
Lab File: VL035233.D
Acq: 29 Jul 2020 2:44

Tgt Ion:142 Resp: 1379510
Ion Ratio Lower Upper
142 100
141 85.8 68.6 103.0
115 43.0 34.5 51.7





#81

1,2,4-Trichlorobenzene

Concen: 10.190 ppbv

RT: 22.00 min Scan# 5976

Delta R.T. 0.00 min

Lab File: VL035233.D

Acq: 29 Jul 2020 2:44

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:180 Resp: 2148948

Ion Ratio Lower Upper

180 100

182 95.8 76.7 115.1

184 30.9 24.7 37.1

