

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073020\
 Data File : VL035266.D
 Acq On : 30 Jul 2020 4:44
 Operator : SY/AP
 Sample : VL0730ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0730ABS01

Quant Time: Jul 30 07:56:38 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 07:14:29 2020
 QLast Update : Wed Jul 29 07:14:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1295977	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3113909	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	3025672m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2420407	10.01	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	1346156	8.697	ppbv	99
3) Chlorodifluoromethane	2.94	51	1274624	8.885	ppbv	100
4) Chloromethane	3.10	50	740313	9.170	ppbv	97
5) Vinyl Chloride	3.22	62	760783	9.047	ppbv	98
6) Bromomethane	3.44	94	478846	9.219	ppbv	99
7) Chloroethane	3.52	64	294388	9.699	ppbv	99
8) Dichlorotetrafluoroethane	3.15	85	1764627	8.985	ppbv	100
9) Propene	2.97	41	492573	9.850	ppbv	98
10) Heptane	8.14	43	1495381	11.048	ppbv	98
11) Trichlorofluoromethane	3.92	101	1934880	9.293	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1357526	9.194	ppbv	100
13) Ethanol	3.57	45	116858	5.742	ppbv	94
14) Bromoethene	3.71	108	579622	9.619	ppbv	97
15) Acetone	3.82	43	1434177	8.296	ppbv	100
16) 1,3-Butadiene	3.29	39	674119	9.997	ppbv	98
17) tert-Butyl alcohol	4.27	59	1605958	9.626	ppbv	100
18) 1,1-Dichloroethene	4.27	96	619923	9.456	ppbv	99
19) Isopropyl Alcohol	3.94	45	1025056	8.991	ppbv	99
20) Methylene Chloride	4.32	84	583464	7.415	ppbv	97
21) Allyl Chloride	4.39	41	962214	9.774	ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	600980	9.540	ppbv	100
23) Vinyl Acetate	5.06	43	1756576	10.113	ppbv	98
24) 1,1-Dichloroethane	5.00	63	1506843	9.302	ppbv	99
25) Ethyl Acetate	5.67	43	2588563	9.589	ppbv	100
26) Hexane	5.68	57	1188709	9.761	ppbv	98
27) Carbon Disulfide	4.53	76	1597117	9.707	ppbv	100
28) Methyl tert-Butyl Ether	5.02	73	1780539	10.228	ppbv	99
29) Chloroform	5.75	83	1910163	9.352	ppbv	98
30) Cyclohexane	7.14	84	969298	11.135	ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	1135327	10.695	ppbv	95
32) 1,1,1-Trichloroethane	6.52	97	1875117	8.969	ppbv	99
34) 2-Butanone	5.23	43	1543261	9.741	ppbv	100
35) Carbon Tetrachloride	7.03	117	1975702	9.476	ppbv	98
36) Benzene	6.90	78	2273312	10.504	ppbv	98
37) 1,2-Dichloroethane	6.31	62	1481045	9.790	ppbv	100
38) Trichloroethene	7.85	130	968056	10.793	ppbv	99
39) 1,2-Dichloropropane	7.63	63	895245	10.368	ppbv	99
40) 1,4-Dioxane	7.84	88	361207	10.624	ppbv #	1
41) Tetrahydrofuran	6.04	42	834958	10.752	ppbv	100
42) Bromodichloromethane	7.81	83	2022994	10.019	ppbv	98
43) Methyl Methacrylate	8.03	69	1058593	11.290	ppbv	99

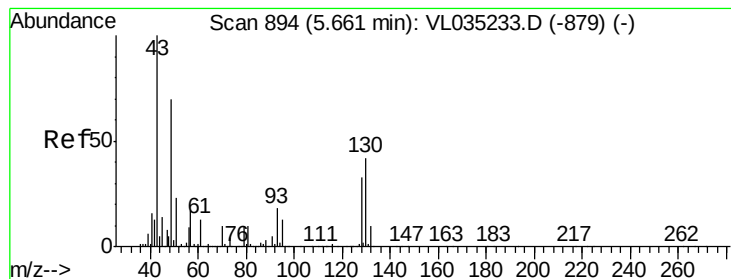
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4045808	10.611	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	1157230	12.249	ppbv	95
46) cis-1,3-Dichloropropene	8.73	75	1376681	11.961	ppbv	99
47) 1,1,2-Trichloroethane	9.51	97	1009590	9.898	ppbv	94
48) Dibromochloromethane	10.34	129	1719583	10.705	ppbv	99
49) Bromoform	13.09	173	1557449	10.785	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2458494	10.707	ppbv	100
51) 2-Hexanone	10.16	43	1999961	11.486	ppbv #	99
52) Tetrachloroethene	11.26	164	872814	10.571	ppbv	94
53) Toluene	9.83	91	2745581	11.937	ppbv	100
54) 1,2-Dibromoethane	10.65	107	1540041	10.443	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.16	131	1351641	9.716	ppbv	98
57) Chlorobenzene	12.19	112	2218820	9.746	ppbv	98
58) Ethyl Benzene	12.75	91	3779376	11.794	ppbv	99
59) m/p-Xylene	13.03	91	6472915m	21.698	ppbv	
60) o-Xylene	13.73	91	3256147	10.939	ppbv	99
61) Styrene	13.57	104	2257203	12.494	ppbv	100
62) Isopropylbenzene	14.71	105	4736881	10.692	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.73	83	2365022	9.234	ppbv	99
64) n-propylbenzene	15.61	120	1302179	11.055	ppbv	98
65) tert-Butylbenzene	16.80	119	4265782	10.629	ppbv	99
66) Benzyl Chloride	17.04	91	1655555	10.532	ppbv	99
67) sec-Butylbenzene	17.35	105	6074375	10.359	ppbv	100
69) p-Isopropyltoluene	17.71	119	5081013	10.621	ppbv	100
70) n-Butylbenzene	18.60	91	5371691	10.380	ppbv	99
71) 2-Chlorotoluene	15.50	91	3709711	11.105	ppbv	99
72) 4-Ethyltoluene	15.89	105	3813780	11.384	ppbv	99
73) 1,3,5-Trimethylbenzene	16.04	105	3629133	11.108	ppbv	97
74) 1,2,4-Trimethylbenzene	16.82	105	3834543	10.082	ppbv	97
75) 1,3-Dichlorobenzene	17.05	146	2253366	9.176	ppbv	100
76) 1,4-Dichlorobenzene	17.19	146	2245557	10.109	ppbv	100
77) 1,2-Dichlorobenzene	17.87	146	2149038	9.770	ppbv	100
78) Hexachloro-1,3-Butadiene	23.43	225	1428994	7.937	ppbv	100
79) Naphthalene	22.27	128	3042907	10.061	ppbv	98
80) Naphthalene, 2-methyl-	25.02	142	893025	9.124	ppbv	98
81) 1,2,4-Trichlorobenzene	22.00	180	1764467	9.584	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.00 min

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ClientSampleId :

VL0730ABS01

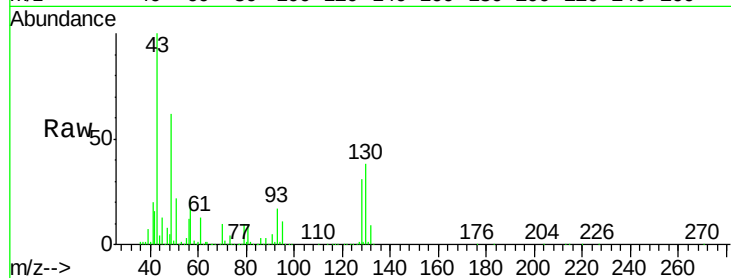
Tot Ion: 49 Resp: 1295977

Ion Ratio Lower Upper

49 100

128 47.9 24.0 72.0

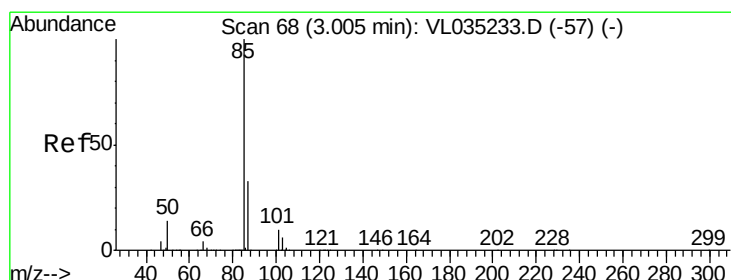
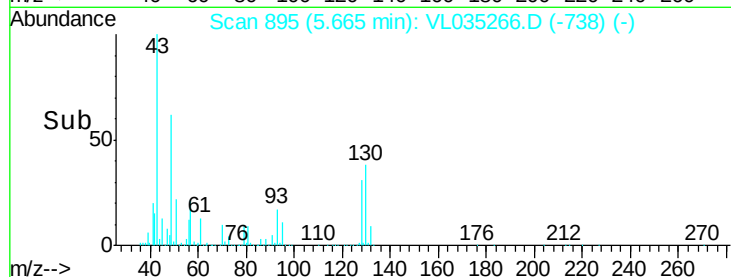
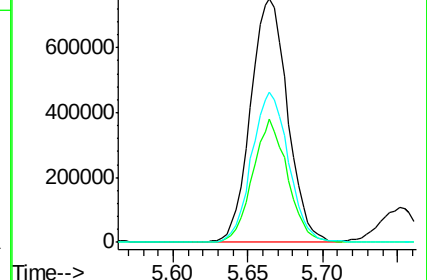
130 61.4 30.7 92.1



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.697 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VL035266.D

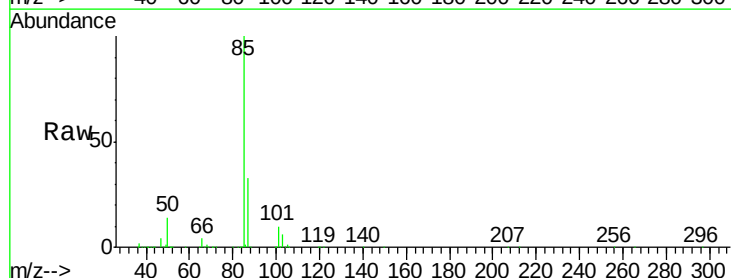
Acq: 30 Jul 2020 4:44

Tgt Ion: 85 Resp: 1346156

Ion Ratio Lower Upper

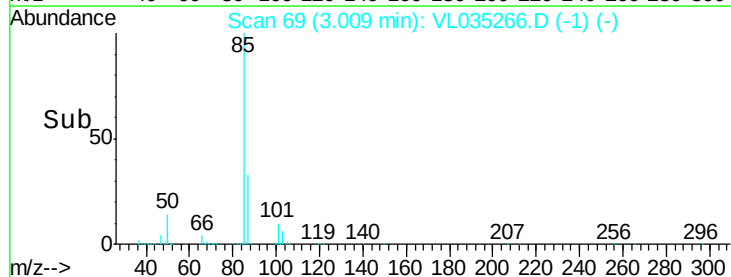
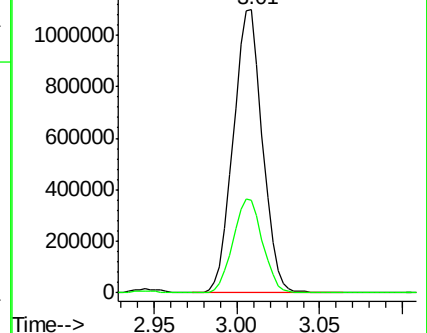
85 100

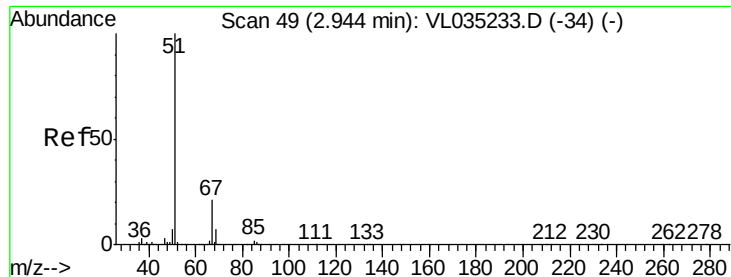
87 32.6 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

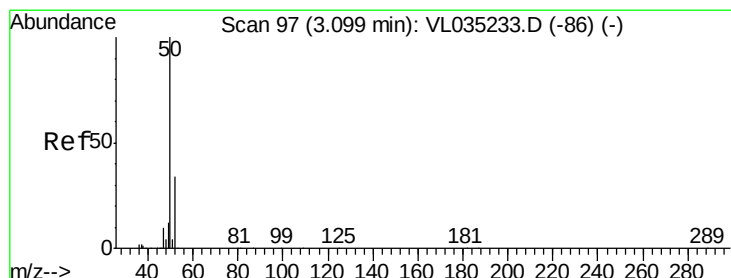
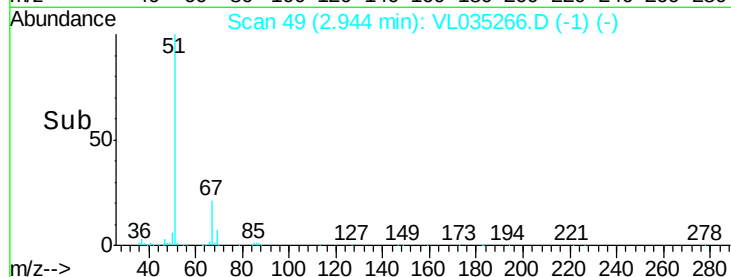
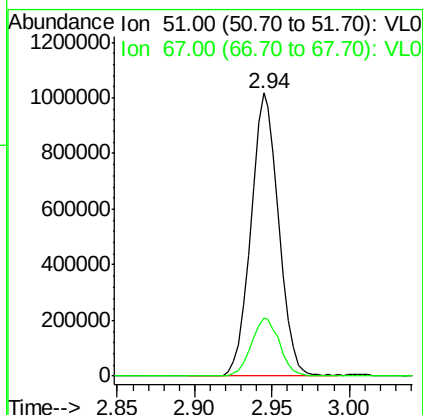
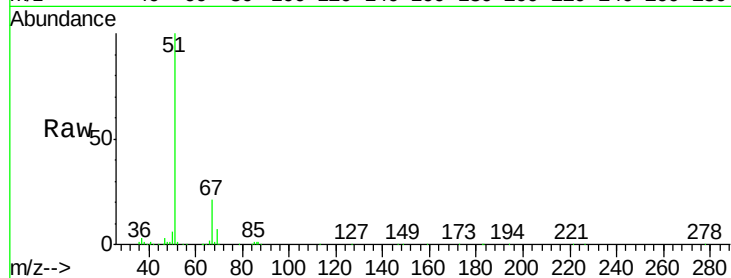




#3
Chlorodifluoromethane
Concen: 8.885 ppbv
RT: 2.94 min Scan# 49
Delta R.T. 0.00 min
Lab File: VL035266.D
Acq: 30 Jul 2020 4:44

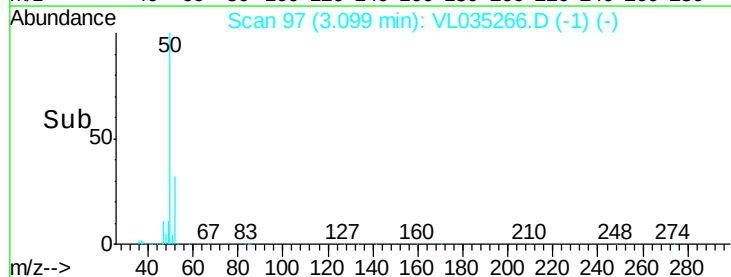
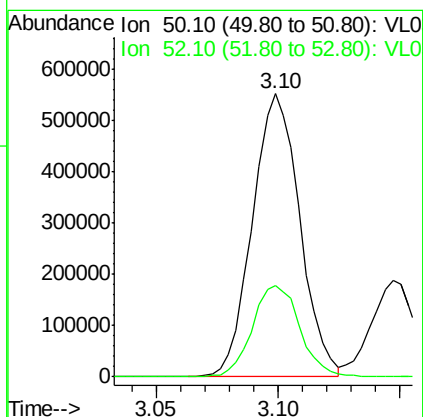
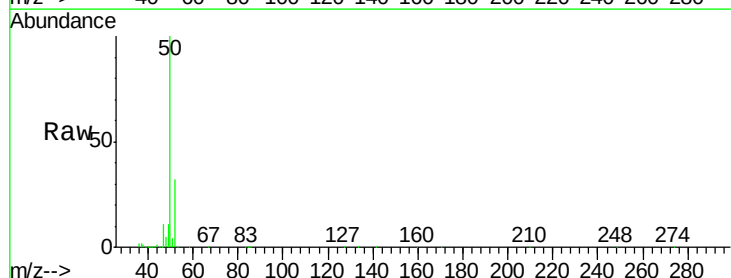
Instrument :
MSVOA_L
ClientSampleId :
VL0730ABS01

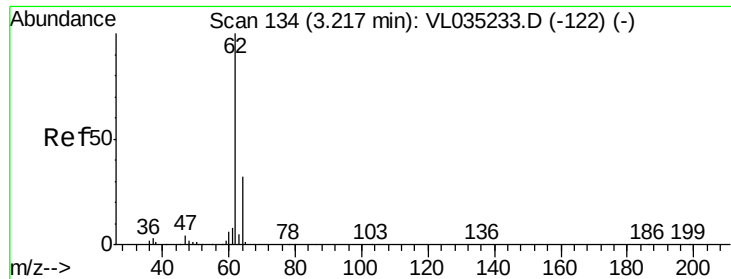
Tot Ion: 51 Resp: 1274624
Ion Ratio Lower Upper
51 100
67 21.0 16.6 25.0



#4
Chloromethane
Concen: 9.170 ppbv
RT: 3.10 min Scan# 97
Delta R.T. 0.00 min
Lab File: VL035266.D
Acq: 30 Jul 2020 4:44

Tgt Ion: 50 Resp: 740313
Ion Ratio Lower Upper
50 100
52 32.1 27.1 40.7





#5

Vinyl Chloride

Concen: 9.047 ppbv

RT: 3.22 min Scan# 134

Delta R.T. 0.00 min

Lab File: VL035266.D

Acq: 30 Jul 2020 4:44

Instrument :

MSVOA_L

ClientSampleId :

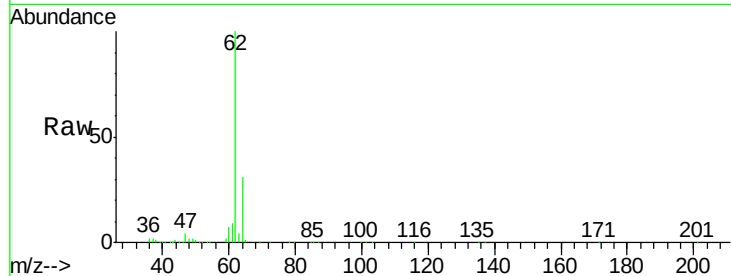
VL0730ABS01

Tot Ion: 62 Resp: 760783

Ion Ratio Lower Upper

62 100

64 31.1 25.8 38.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.22

600000

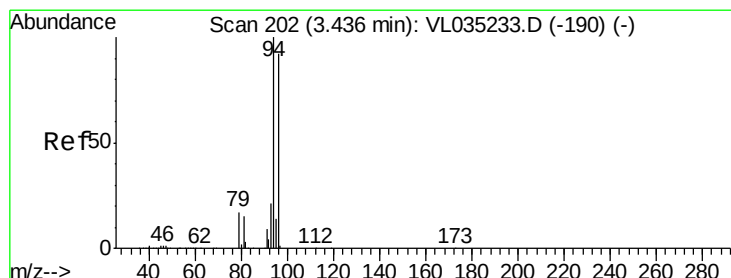
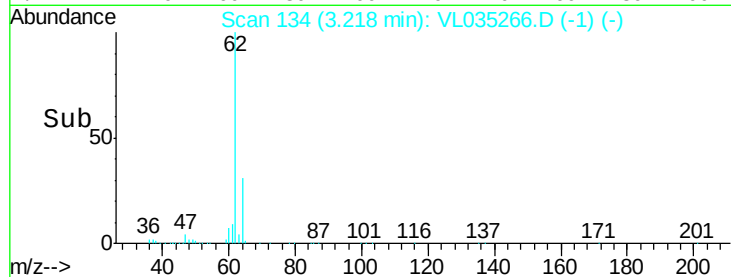
400000

200000

0

3.20 3.25

Time-->



#6

Bromomethane

Concen: 9.219 ppbv

RT: 3.44 min Scan# 202

Delta R.T. 0.00 min

Lab File: VL035266.D

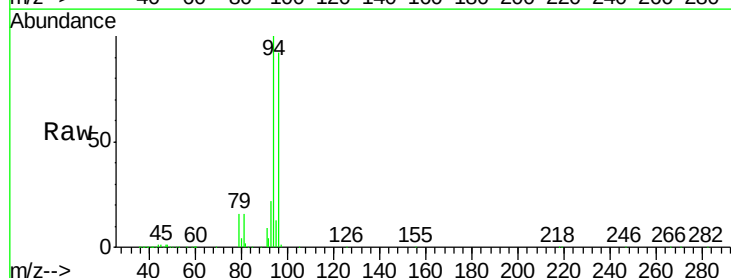
Acq: 30 Jul 2020 4:44

Tgt Ion: 94 Resp: 478846

Ion Ratio Lower Upper

94 100

96 92.0 73.2 109.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.44

400000

300000

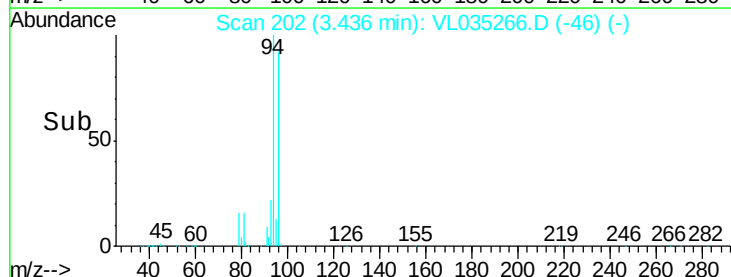
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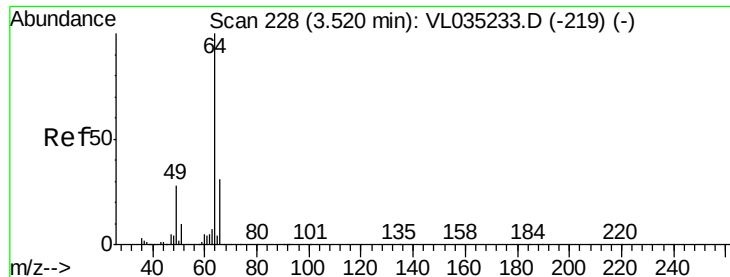
100000

0

3.40 3.45

Time-->





#7

Chloroethane

Concen: 9.699 ppbv

RT: 3.52 min Scan# 229

Delta R.T. 0.00 min

Lab File: VL035266.D

Acq: 30 Jul 2020 4:44

Instrument :

MSVOA_L

ClientSampleId :

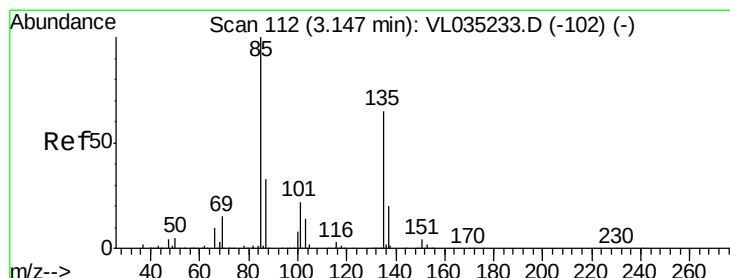
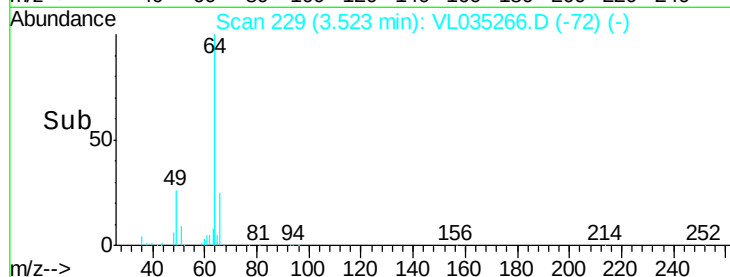
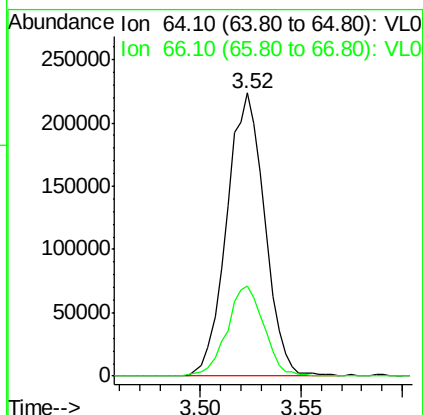
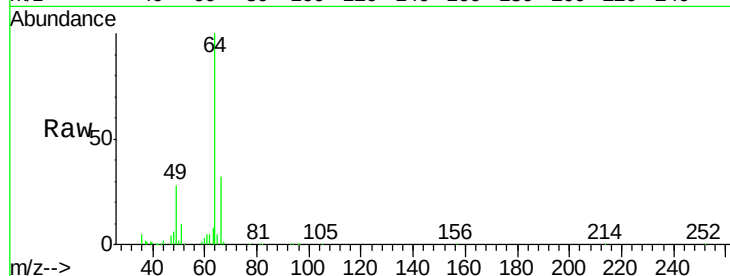
VL0730ABS01

Tot Ion: 64 Resp: 294388

Ion Ratio Lower Upper

64 100

66 31.6 25.6 38.4



#8

Dichlorotetrafluoroethane

Concen: 8.985 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL035266.D

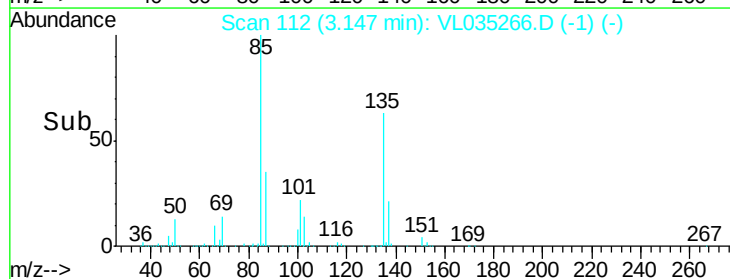
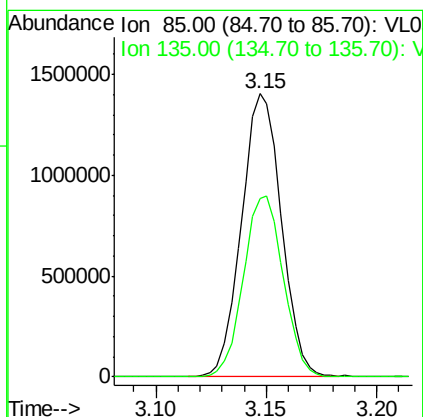
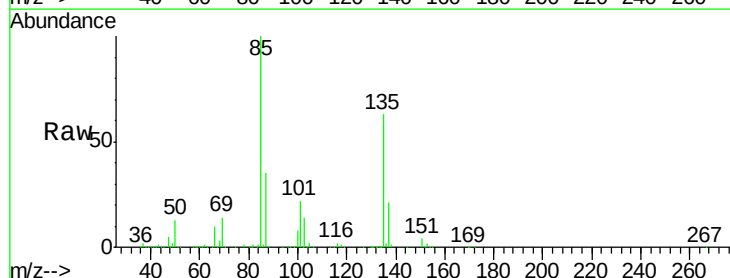
Acq: 30 Jul 2020 4:44

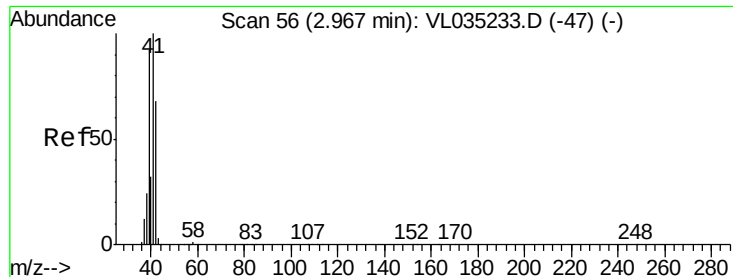
Tgt Ion: 85 Resp: 1764627

Ion Ratio Lower Upper

85 100

135 63.9 51.4 77.0





#9

Propene

Concen: 9.850 ppbv

RT: 2.97 min Scan# 56

Delta R.T. 0.00 min

Lab File: VL035266.D

Acq: 30 Jul 2020 4:44

Instrument :

MSVOA_L

ClientSampleId :

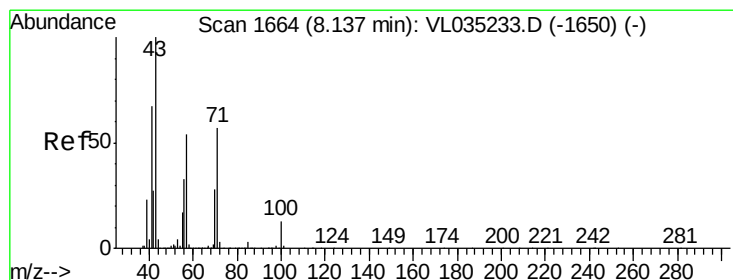
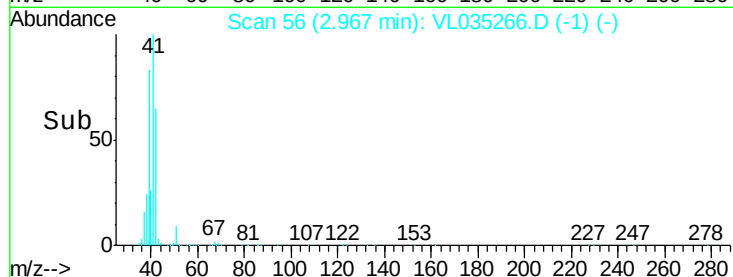
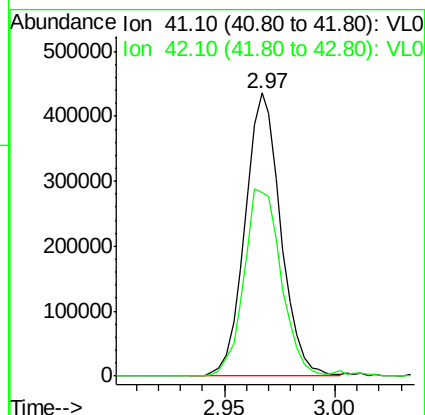
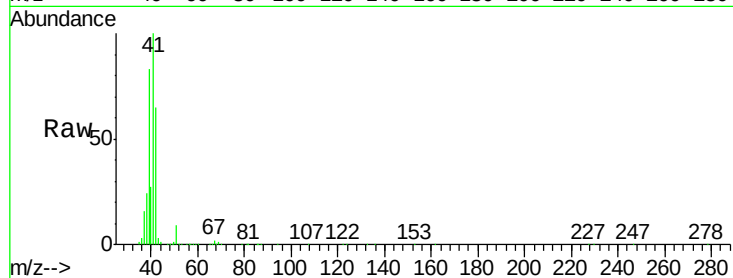
VL0730ABS01

Tot Ion: 41 Resp: 492573

Ion Ratio Lower Upper

41 100

42 70.5 55.0 82.6



#10

Heptane

Concen: 11.048 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VL035266.D

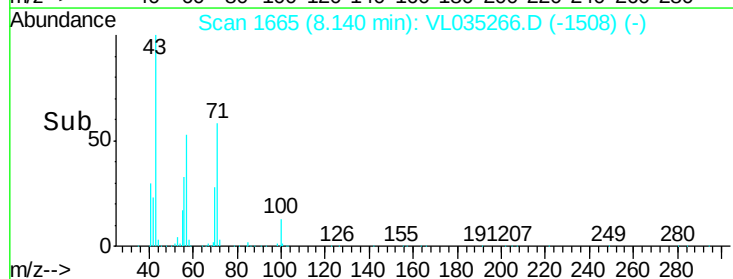
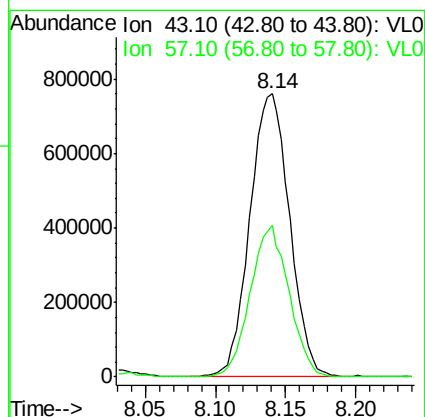
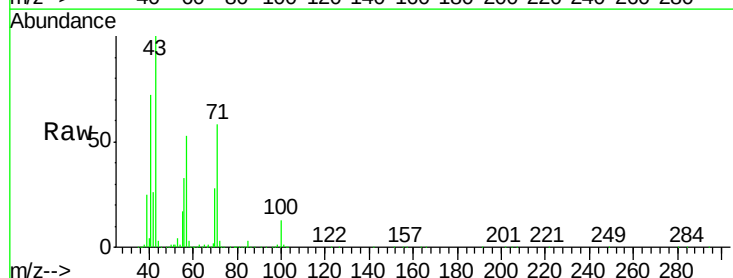
Acq: 30 Jul 2020 4:44

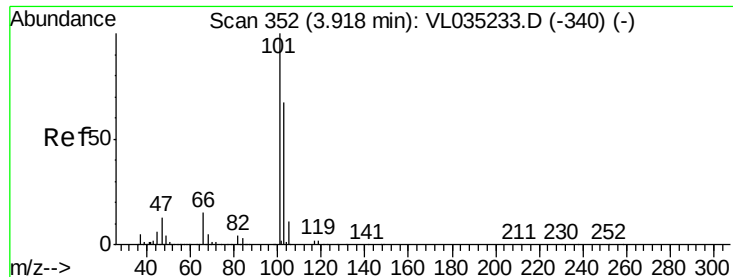
Tgt Ion: 43 Resp: 1495381

Ion Ratio Lower Upper

43 100

57 52.2 43.0 64.4

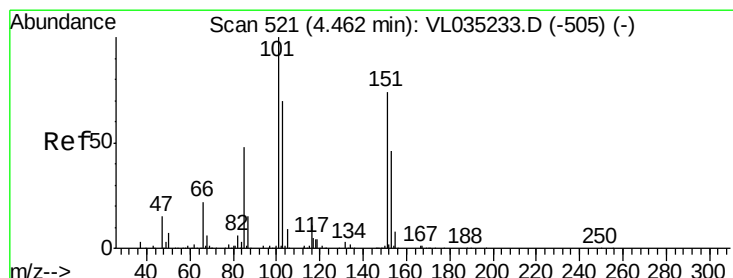
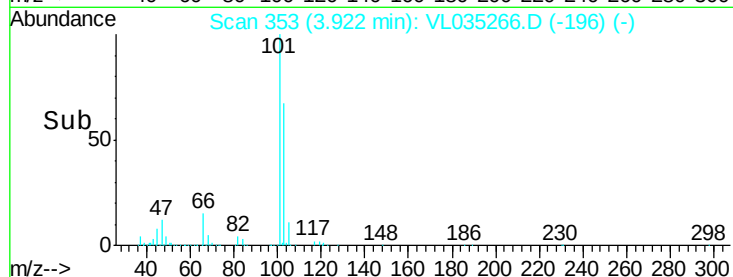
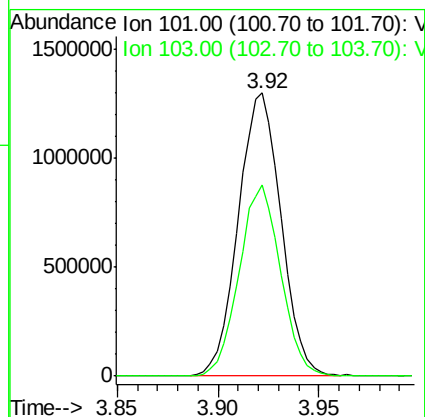
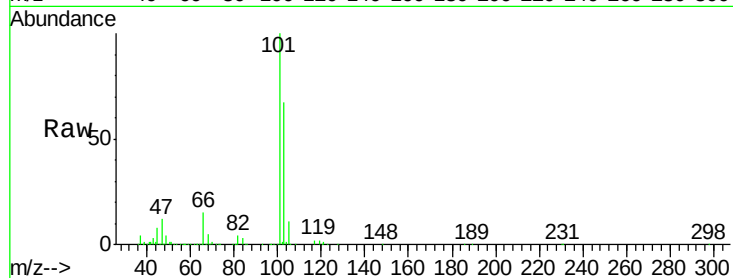




#11
 Trichlorofluoromethane
 Concen: 9.293 ppbv
 RT: 3.92 min Scan# 353
 Delta R.T. 0.00 min
 Lab File: VL035266.D
 Acq: 30 Jul 2020 4:44

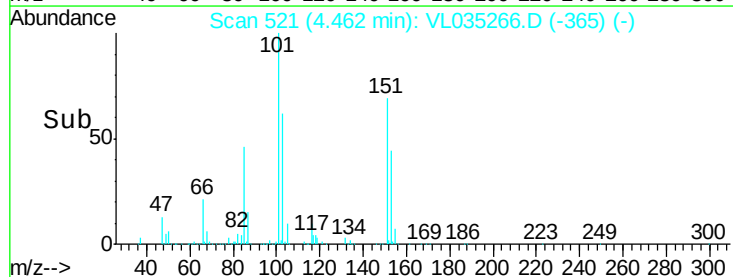
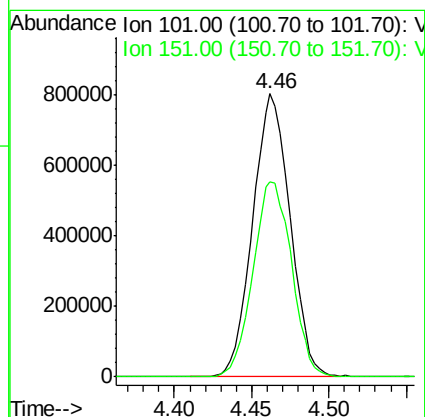
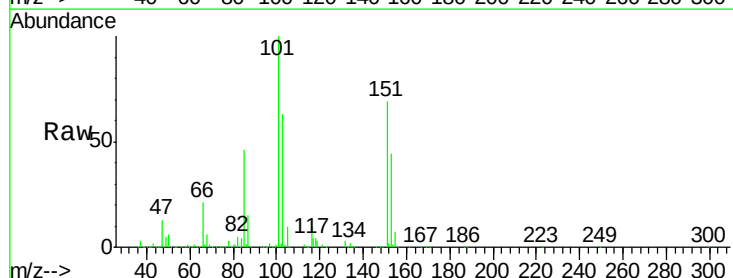
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0730ABS01

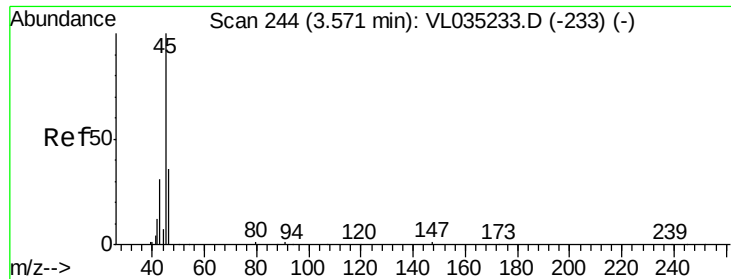
Tot Ion:101 Resp: 1934880
 Ion Ratio Lower Upper
 101 100
 103 67.2 53.4 80.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.194 ppbv
 RT: 4.46 min Scan# 521
 Delta R.T. 0.00 min
 Lab File: VL035266.D
 Acq: 30 Jul 2020 4:44

Tgt Ion:101 Resp: 1357526
 Ion Ratio Lower Upper
 101 100
 151 71.0 56.6 85.0





#13

Ethanol

Concen: 5.742 ppbv

RT: 3.57 min Scan# 244

Delta R.T. 0.00 min

Lab File: VL035266.D

Acq: 30 Jul 2020 4:44

Instrument :

MSVOA_L

ClientSampleId :

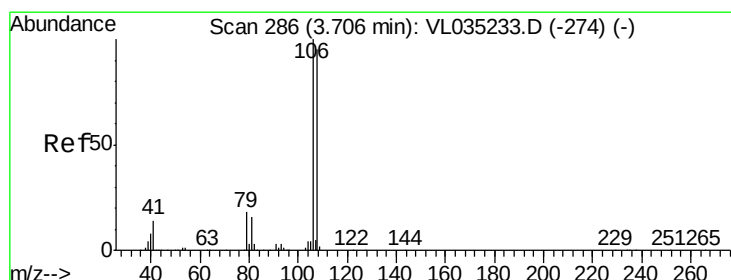
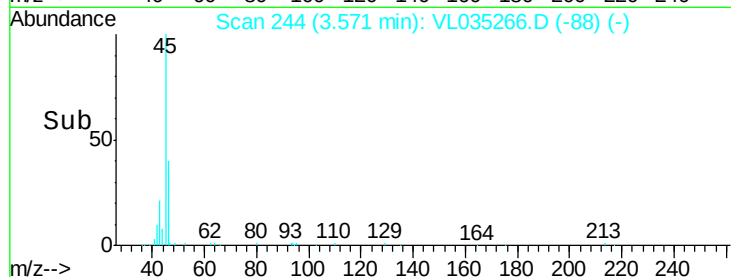
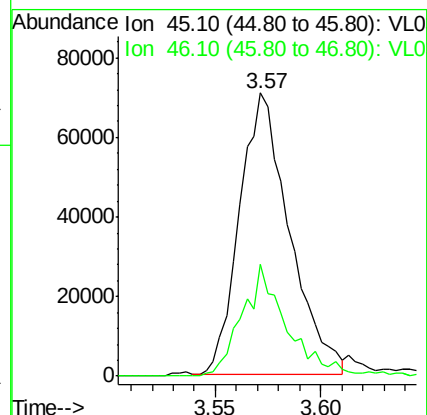
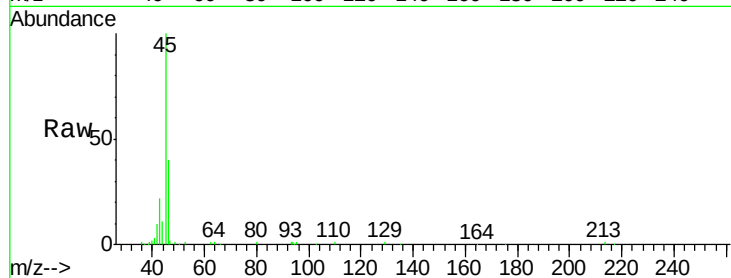
VL0730ABS01

Tot Ion: 45 Resp: 116858

Ion Ratio Lower Upper

45 100

46 36.1 15.8 63.4



#14

Bromoethene

Concen: 9.619 ppbv

RT: 3.71 min Scan# 286

Delta R.T. 0.00 min

Lab File: VL035266.D

Acq: 30 Jul 2020 4:44

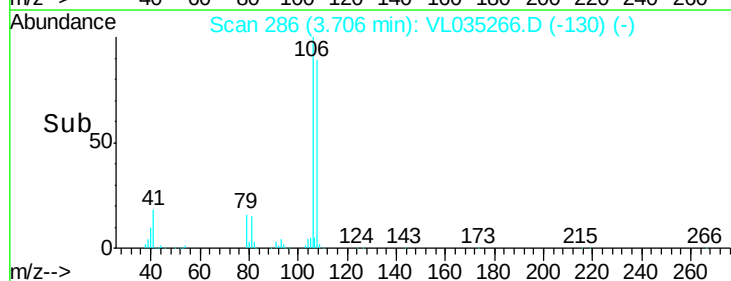
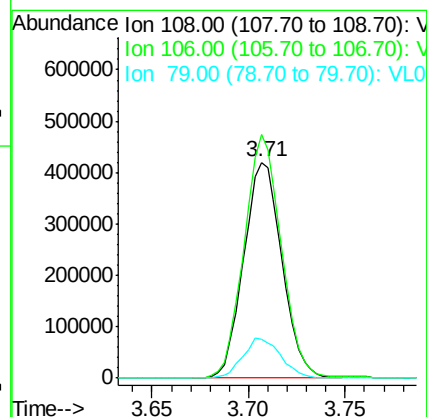
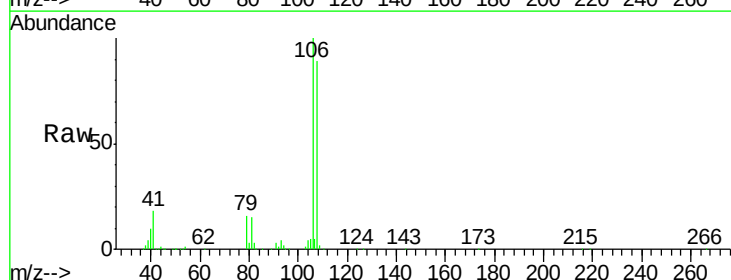
Tgt Ion: 108 Resp: 579622

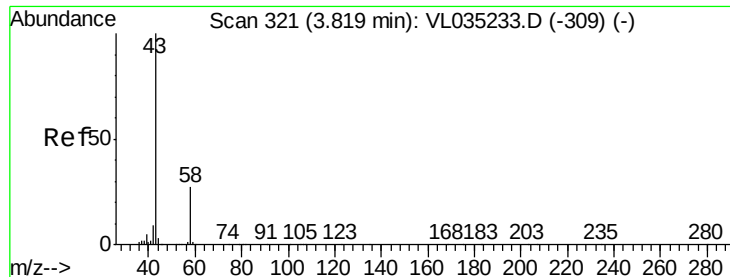
Ion Ratio Lower Upper

108 100

106 110.0 85.0 127.6

79 18.9 15.4 23.2





#15

Acetone

Concen: 8.296 ppbv

RT: 3.82 min Scan# 321

Delta R.T. 0.00 min

Lab File: VL035266.D

Acq: 30 Jul 2020 4:44

Instrument :

MSVOA_L

ClientSampleId :

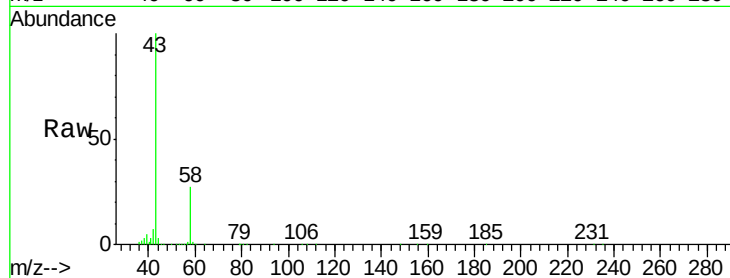
VL0730ABS01

Tot Ion: 43 Resp: 1434177

Ion Ratio Lower Upper

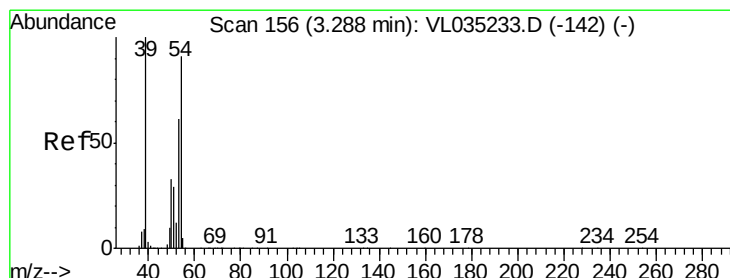
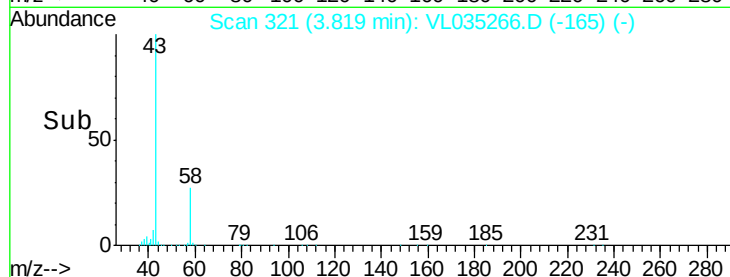
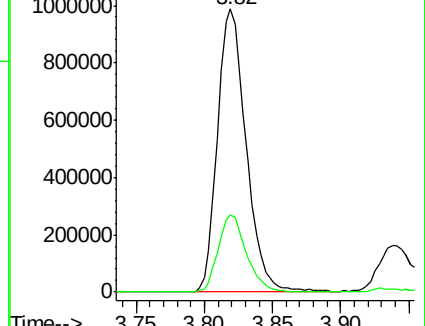
43 100

58 27.2 21.8 32.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 9.997 ppbv

RT: 3.29 min Scan# 156

Delta R.T. 0.00 min

Lab File: VL035266.D

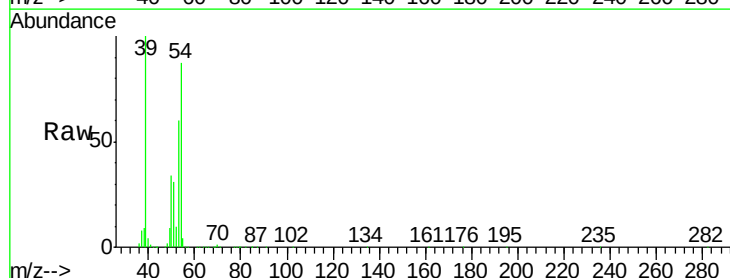
Acq: 30 Jul 2020 4:44

Tgt Ion: 39 Resp: 674119

Ion Ratio Lower Upper

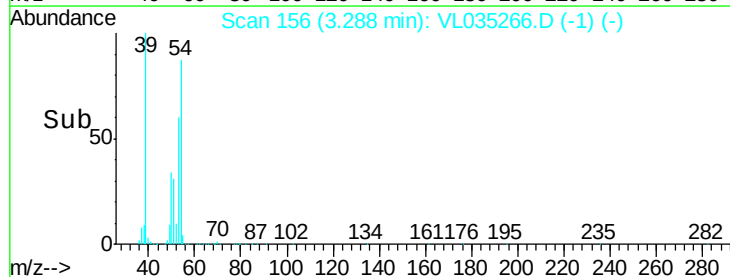
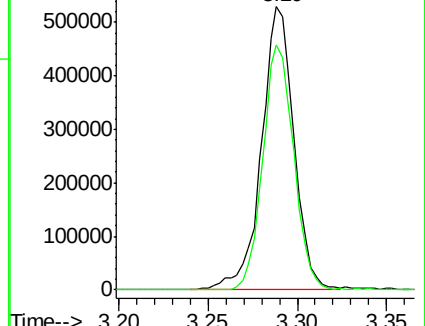
39 100

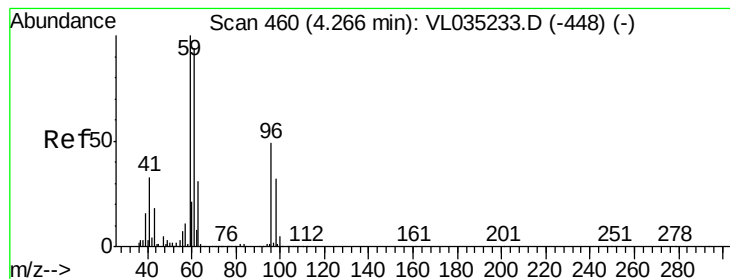
54 83.3 68.2 102.2



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 9.626 ppbv

RT: 4.27 min Scan# 460

Delta R.T. 0.00 min

Lab File: VL035266.D

Acq: 30 Jul 2020 4:44

Instrument :

MSVOA_L

ClientSampleId :

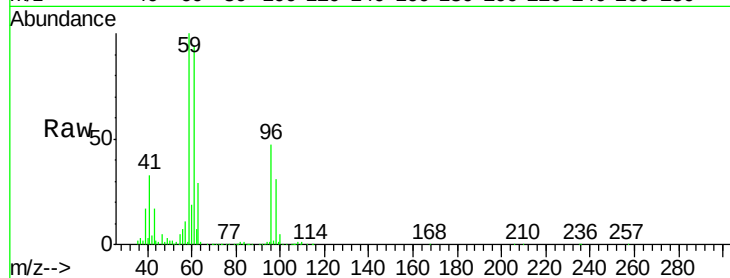
VL0730ABS01

Tot Ion: 59 Resp: 1605958

Ion Ratio Lower Upper

59 100

57 10.7 8.6 12.8



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.27

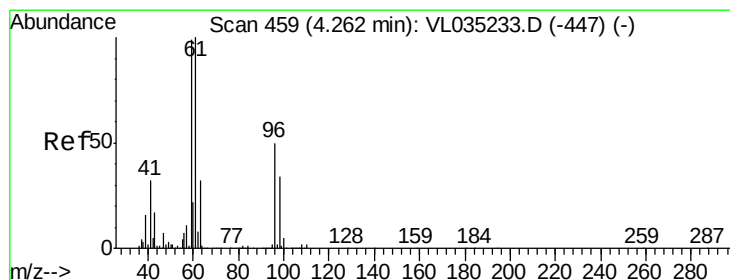
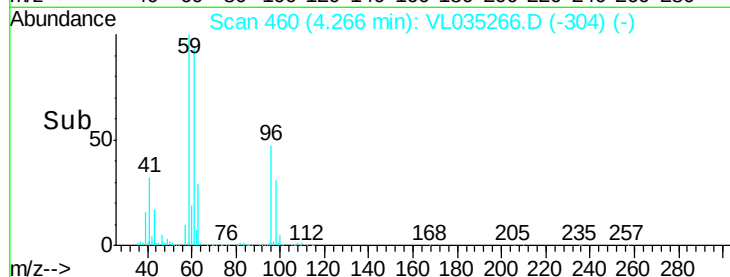
800000

600000

400000

200000

0



#18

1,1-Dichloroethene

Concen: 9.456 ppbv

RT: 4.27 min Scan# 460

Delta R.T. 0.00 min

Lab File: VL035266.D

Acq: 30 Jul 2020 4:44

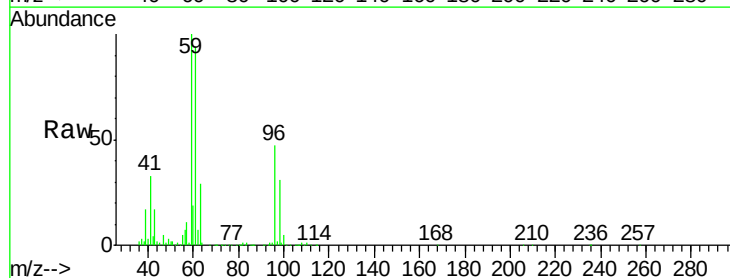
Tgt Ion: 96 Resp: 619923

Ion Ratio Lower Upper

96 100

61 200.2 159.4 239.2

98 66.2 53.9 80.9



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

1000000

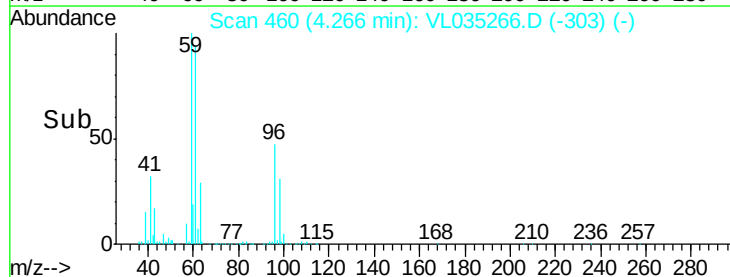
800000

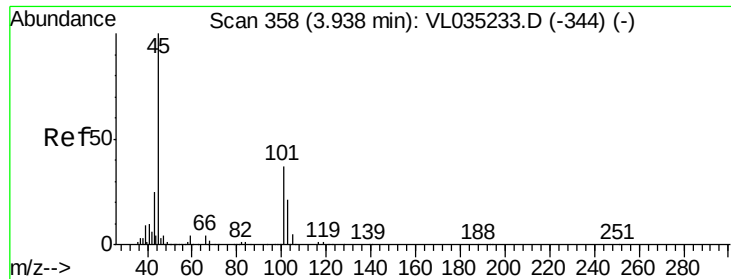
600000

400000

200000

0



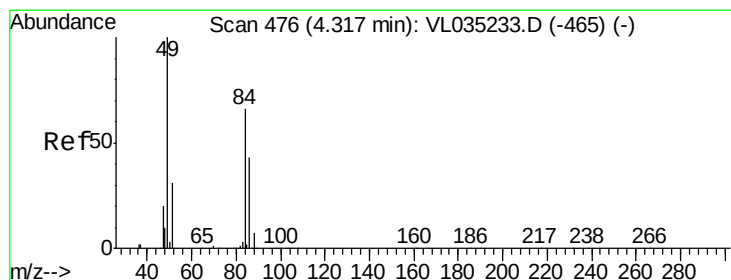
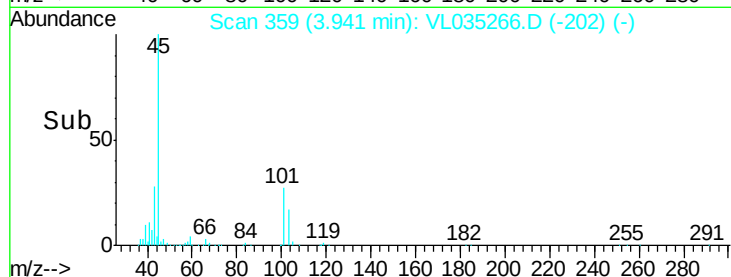
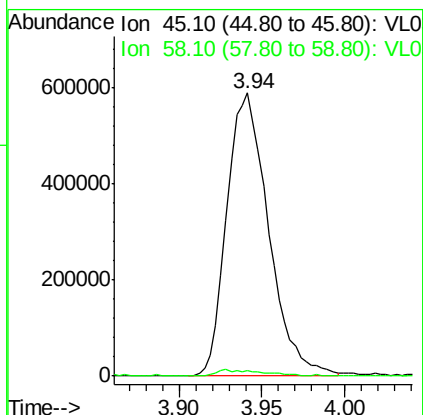
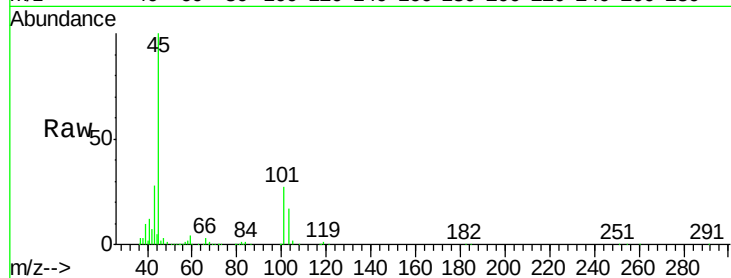


#19

Isopropyl Alcohol
 Concen: 8.991 ppbv
 RT: 3.94 min Scan# 359
 Delta R.T. 0.00 min
 Lab File: VL035266.D
 Acq: 30 Jul 2020 4:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0730ABS01

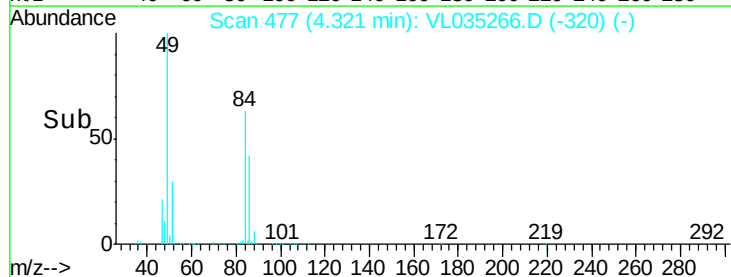
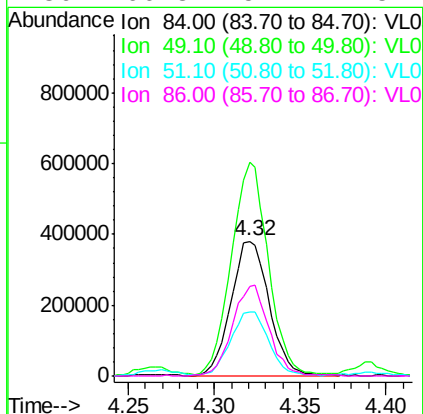
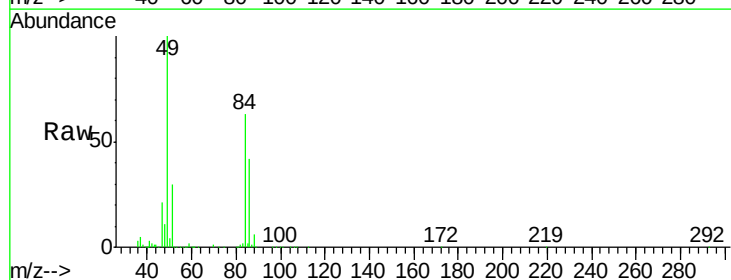
Tot Ion: 45 Resp: 1025056
 Ion Ratio Lower Upper
 45 100
 58 2.6 1.9 2.9

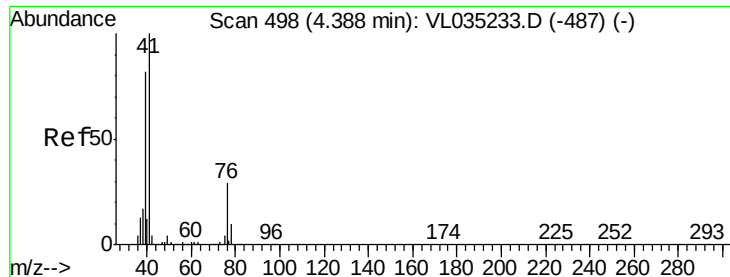


#20

Methylene Chloride
 Concen: 7.415 ppbv
 RT: 4.32 min Scan# 477
 Delta R.T. 0.00 min
 Lab File: VL035266.D
 Acq: 30 Jul 2020 4:44

Tgt Ion: 84 Resp: 583464
 Ion Ratio Lower Upper
 84 100
 49 157.3 121.0 181.4
 51 46.7 37.7 56.5
 86 66.3 52.2 78.4

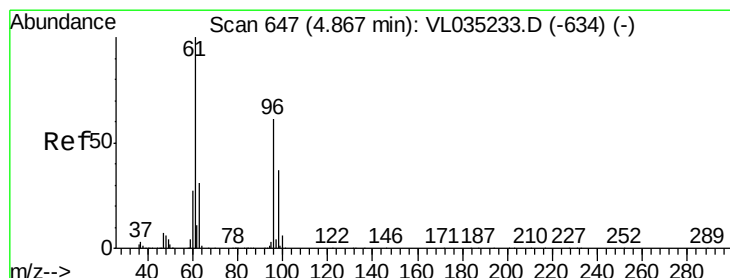
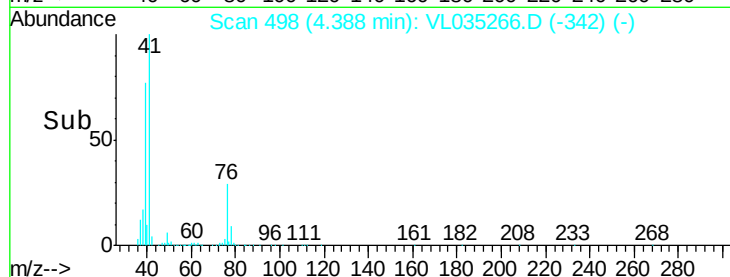
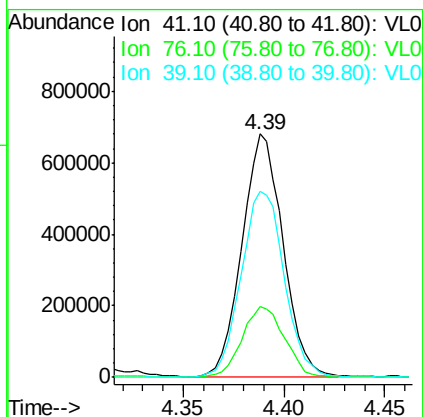
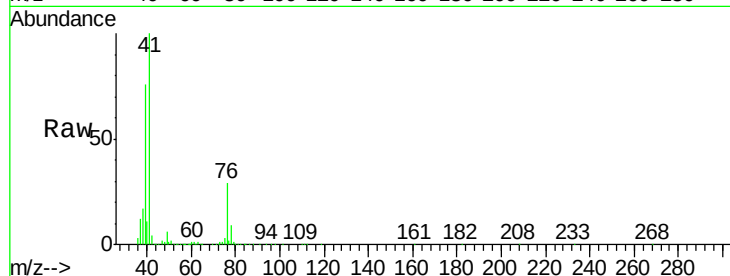




#21
Allvl Chloride
Concen: 9.774 ppbv
RT: 4.39 min Scan# 498
Delta R.T. 0.00 min
Lab File: VL035266.D
Acq: 30 Jul 2020 4:44

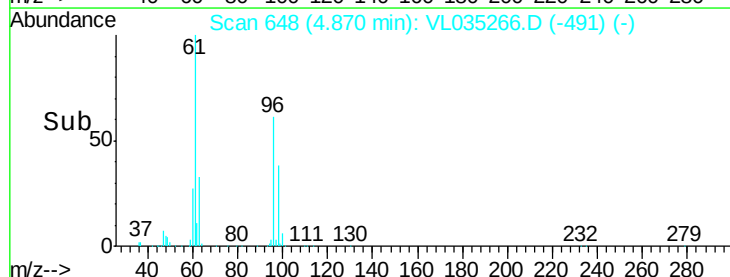
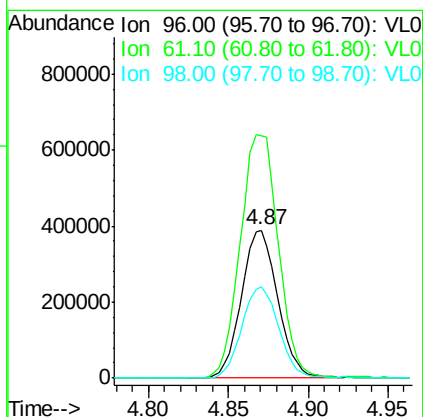
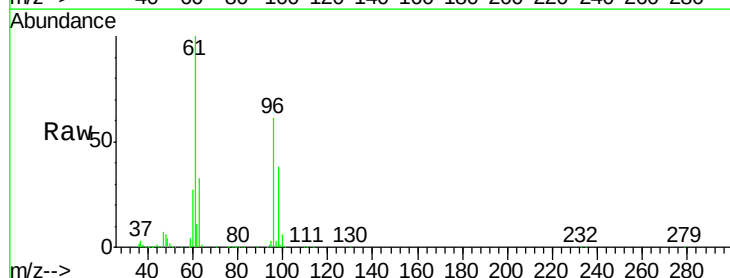
Instrument :
MSVOA_L
ClientSampleId :
VL0730ABS01

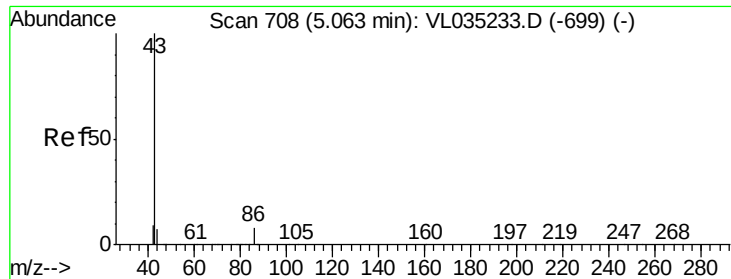
Tot Ion: 41 Resp: 962214
Ion Ratio Lower Upper
41 100
76 30.4 24.4 36.6
39 81.4 63.8 95.8



#22
trans-1,2-Dichloroethene
Concen: 9.540 ppbv
RT: 4.87 min Scan# 648
Delta R.T. 0.00 min
Lab File: VL035266.D
Acq: 30 Jul 2020 4:44

Tgt Ion: 96 Resp: 600980
Ion Ratio Lower Upper
96 100
61 164.2 131.6 197.4
98 62.1 49.0 73.4





#23

Vinyl Acetate

Concen: 10.113 ppbv

RT: 5.06 min Scan# 707

Delta R.T. -0.00 min

Lab File: VL035266.D

Acq: 30 Jul 2020 4:44

Instrument :

MSVOA_L

ClientSampleId :

VL0730ABS01

Tot Ion: 43 Resp: 1756576

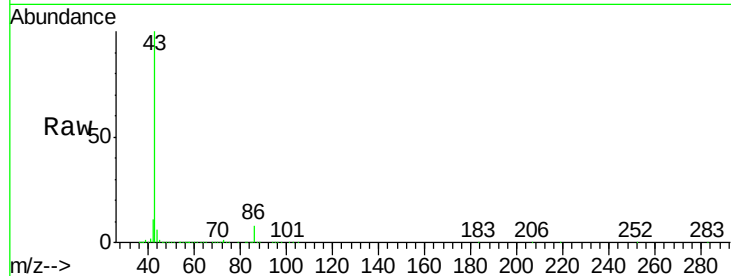
Ion Ratio Lower Upper

43 100

86 8.2 6.2 9.2

42 11.2 8.0 12.0

44 6.2 5.2 7.8

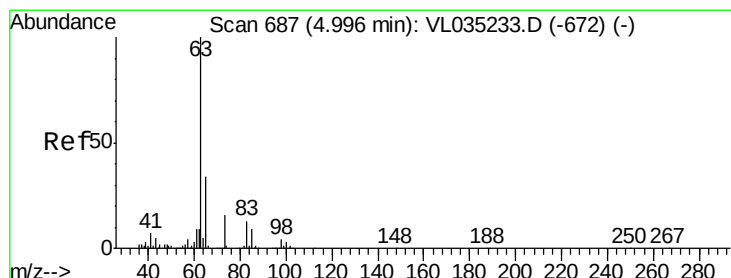
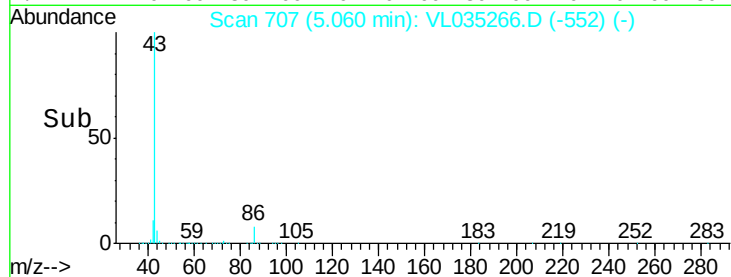
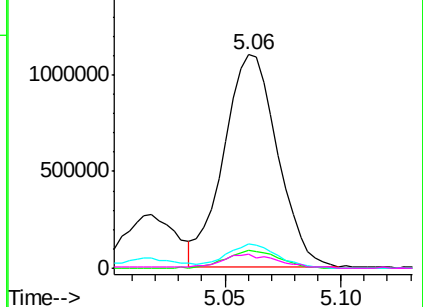


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.302 ppbv

RT: 5.00 min Scan# 688

Delta R.T. 0.00 min

Lab File: VL035266.D

Acq: 30 Jul 2020 4:44

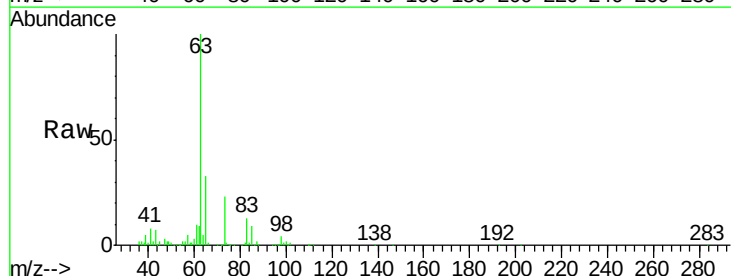
Tgt Ion: 63 Resp: 1506843

Ion Ratio Lower Upper

63 100

98 4.3 1.9 5.7

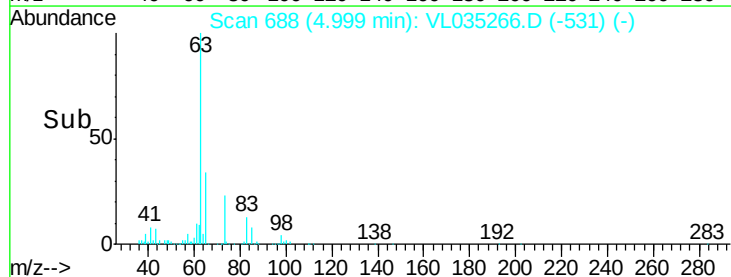
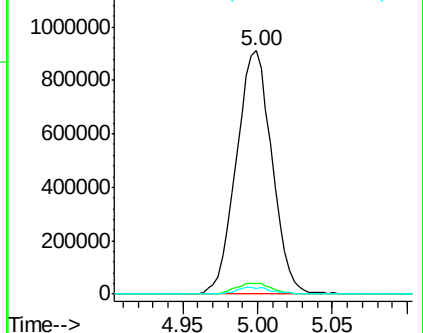
100 2.3 1.4 4.2

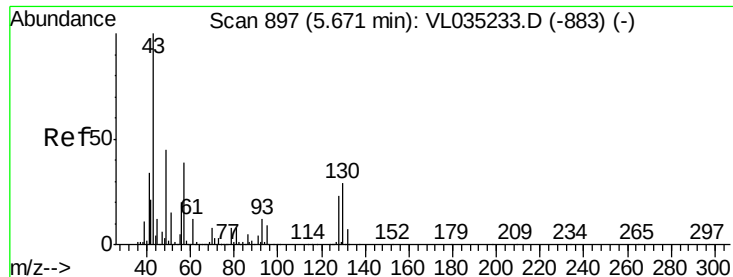


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



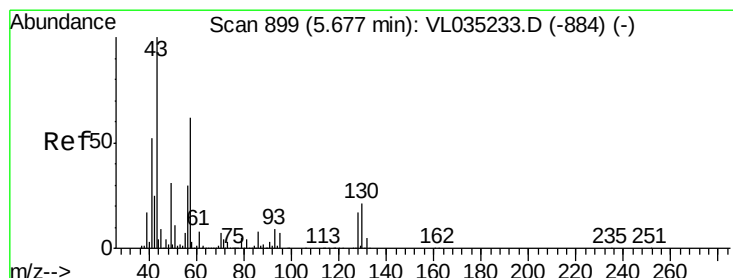
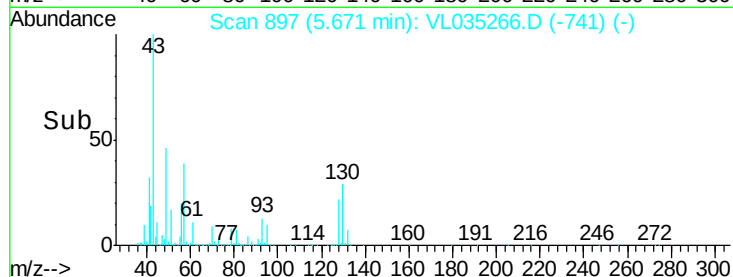
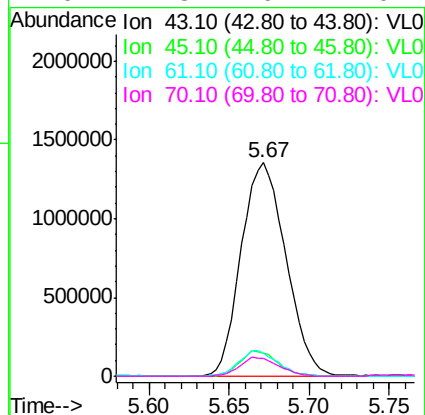
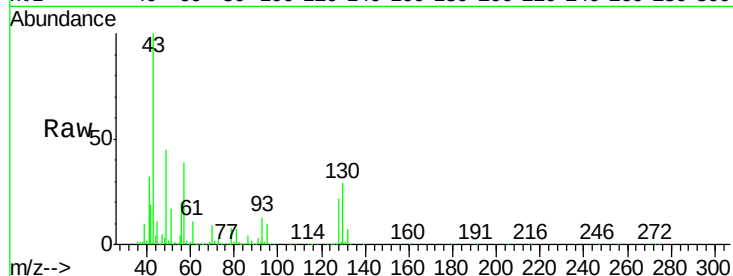


#25
Ethyl Acetate
Concen: 9.589 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.00 min
Lab File: VL035266.D
Acq: 30 Jul 2020 4:44

Instrument :
MSVOA_L
ClientSampleId :
VL0730ABS01

Tot Ion: 43 Resp: 2588563

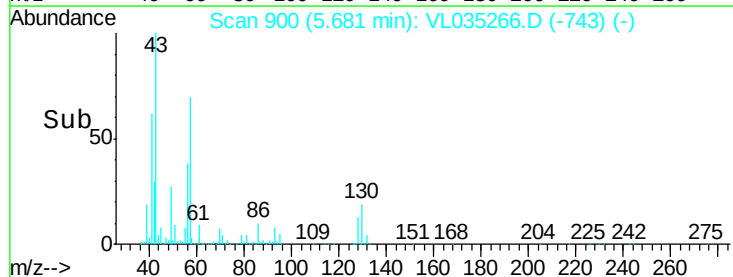
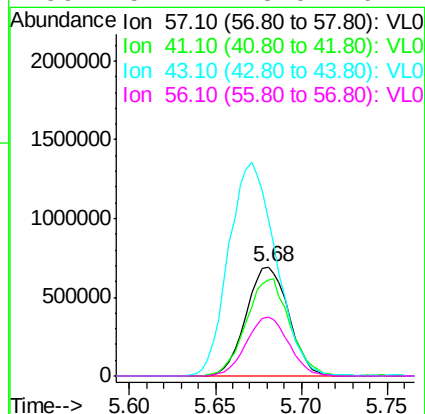
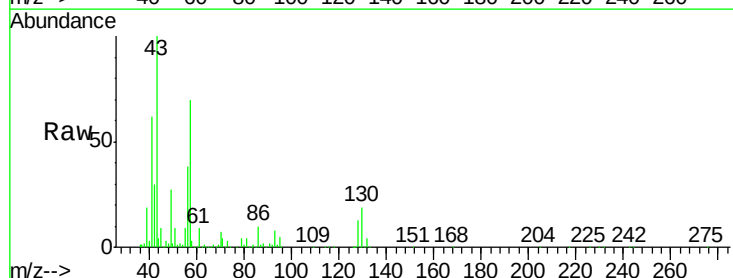
Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.5	12.7
61	10.2	8.1	12.1
70	7.8	6.2	9.4

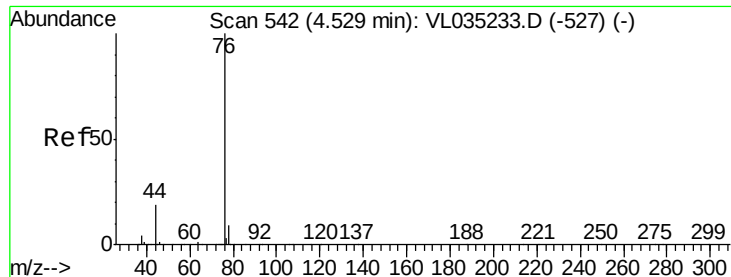


#26
Hexane
Concen: 9.761 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.00 min
Lab File: VL035266.D
Acq: 30 Jul 2020 4:44

Tgt Ion: 57 Resp: 1188709

Ion	Ratio	Lower	Upper
57	100		
41	91.4	73.9	110.9
43	218.5	177.6	266.4
56	54.1	43.0	64.4





#27

Carbon Disulfide

Concen: 9.707 ppbv

RT: 4.53 min Scan# 542

Delta R.T. 0.00 min

Lab File: VL035266.D

Acq: 30 Jul 2020 4:44

Instrument :

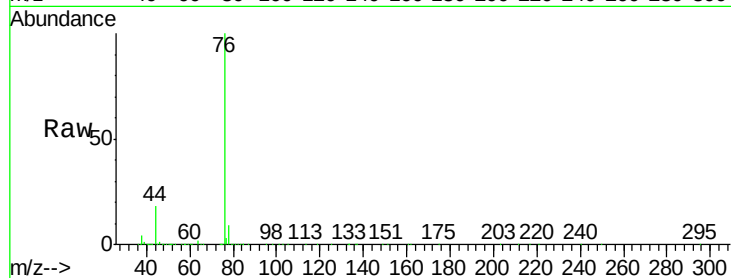
MSVOA_L

ClientSampleId :

VL0730ABS01

Tot Ion: 76 Resp: 1597117

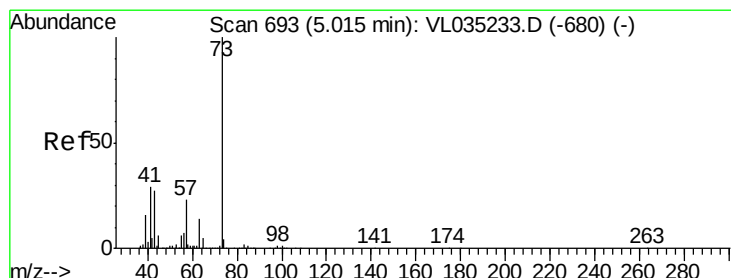
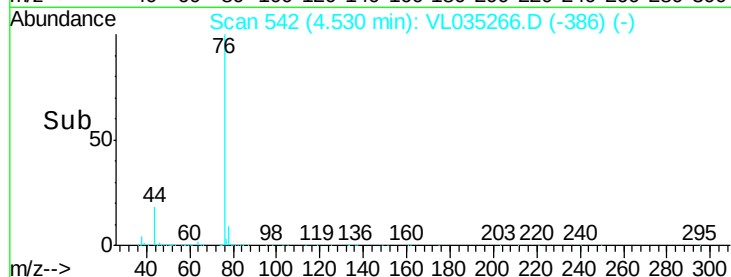
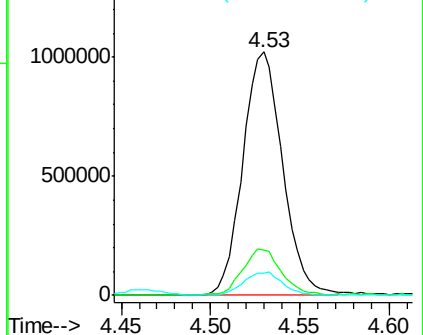
Ion	Ratio	Lower	Upper
76	100		
44	18.7	14.7	22.1
78	9.5	7.6	11.4



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: 10.228 ppbv

RT: 5.02 min Scan# 694

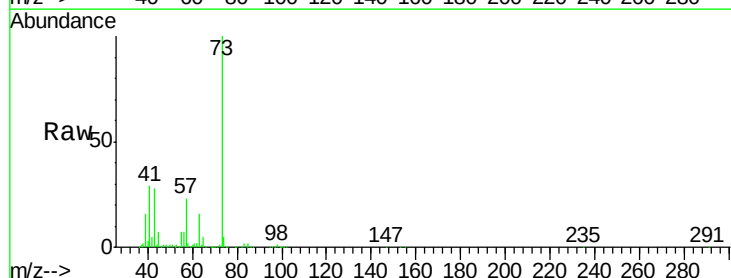
Delta R.T. 0.00 min

Lab File: VL035266.D

Acq: 30 Jul 2020 4:44

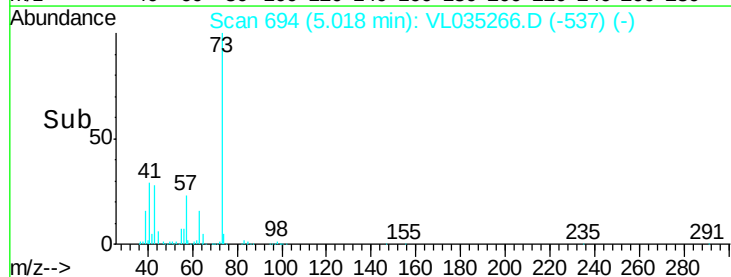
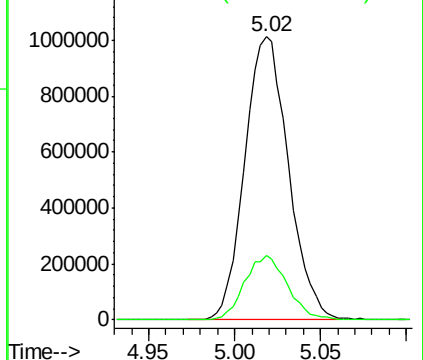
Tgt Ion: 73 Resp: 1780539

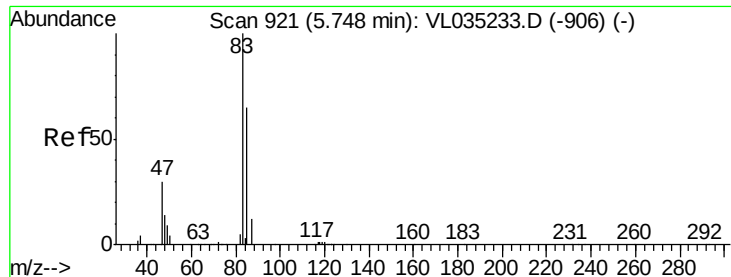
Ion	Ratio	Lower	Upper
73	100		
57	22.5	18.2	27.4



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

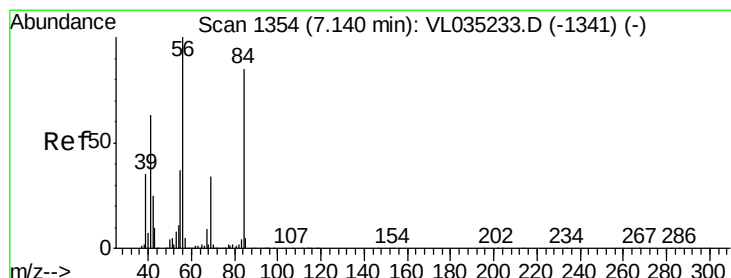
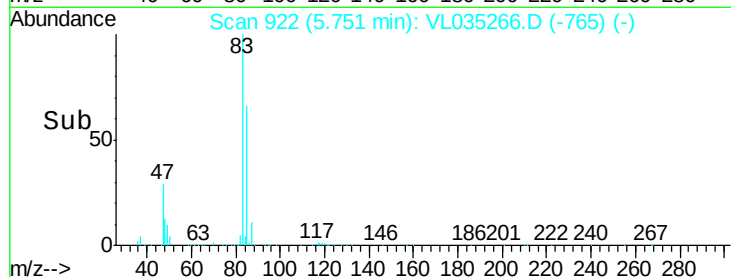
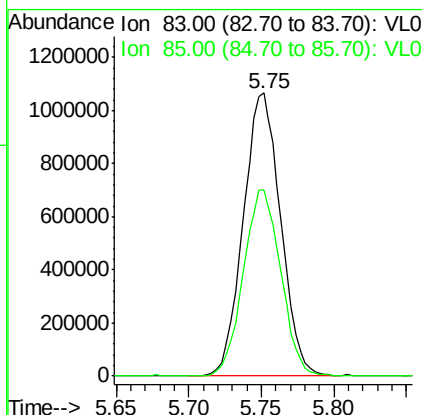
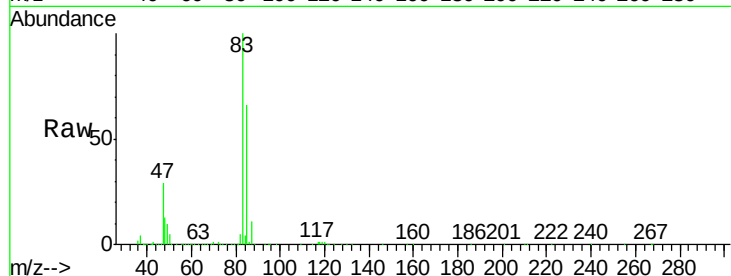




#29
Chloroform
Concen: 9.352 ppbv
RT: 5.75 min Scan# 922
Delta R.T. 0.00 min
Lab File: VL035266.D
Acq: 30 Jul 2020 4:44

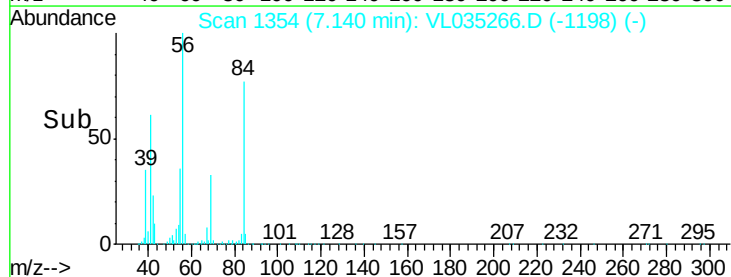
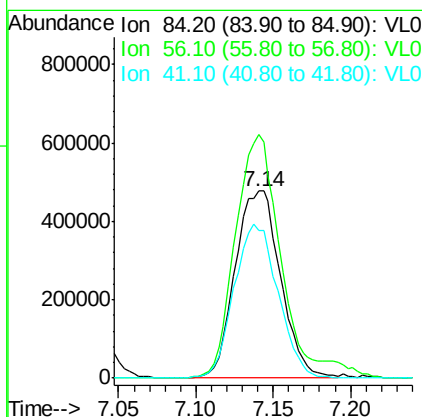
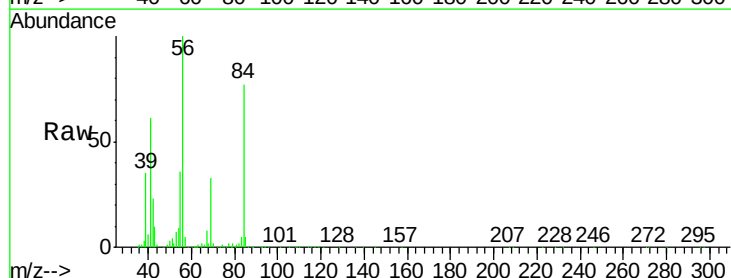
Instrument :
MSVOA_L
ClientSampleId :
VL0730ABS01

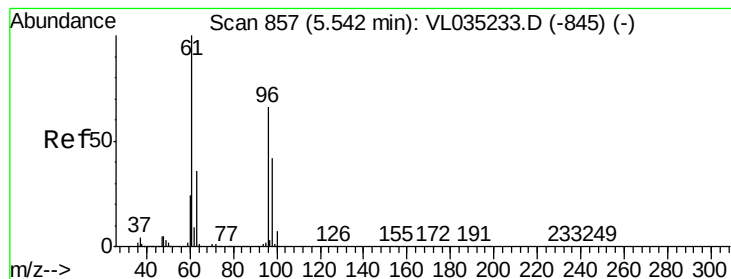
Tot Ion: 83 Resp: 1910163
Ion Ratio Lower Upper
83 100
85 65.8 51.7 77.5



#30
Cyclohexane
Concen: 11.135 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. 0.00 min
Lab File: VL035266.D
Acq: 30 Jul 2020 4:44

Tgt Ion: 84 Resp: 969298
Ion Ratio Lower Upper
84 100
56 133.0 104.2 156.2
41 80.3 63.7 95.5





#31

cis-1,2-Dichloroethene

Concen: 10.695 ppbv

RT: 5.54 min Scan# 857

Delta R.T. 0.00 min

Lab File: VL035266.D

Acq: 30 Jul 2020 4:44

Instrument :

MSVOA_L

ClientSampleId :

VL0730ABS01

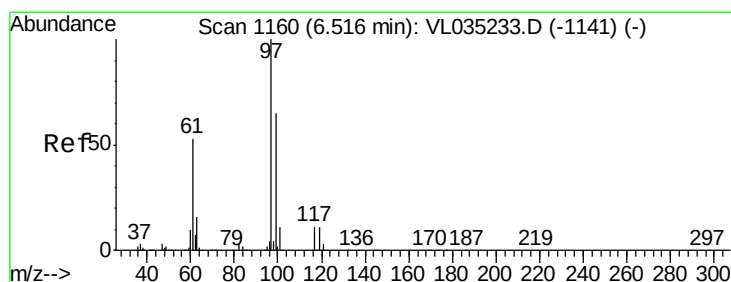
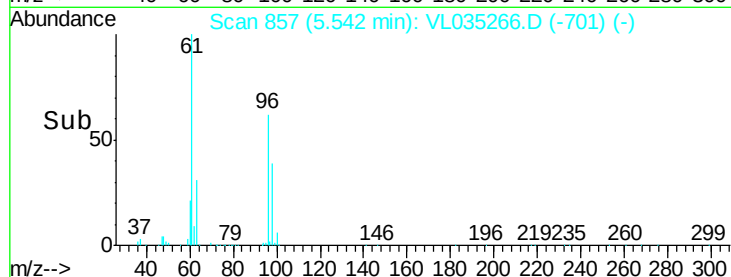
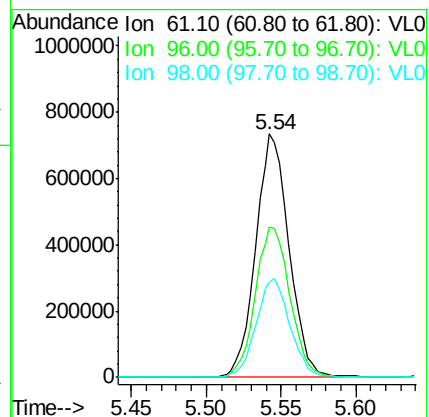
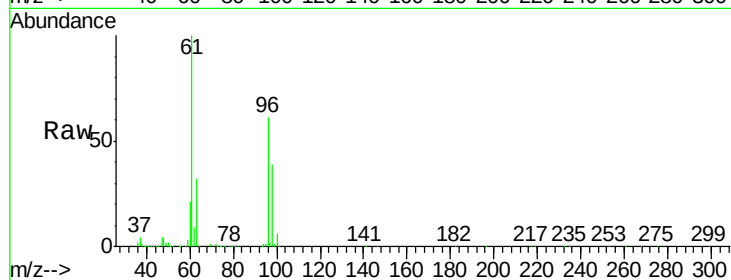
Tot Ion: 61 Resp: 1135327

Ion	Ratio	Lower	Upper
61	100		
96	61.4	52.6	78.8
98	38.9	33.7	50.5

61 100

96 61.4 52.6 78.8

98 38.9 33.7 50.5



#32

1,1,1-Trichloroethane

Concen: 8.969 ppbv

RT: 6.52 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VL035266.D

Acq: 30 Jul 2020 4:44

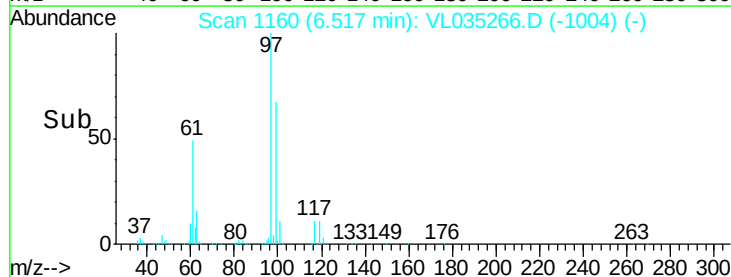
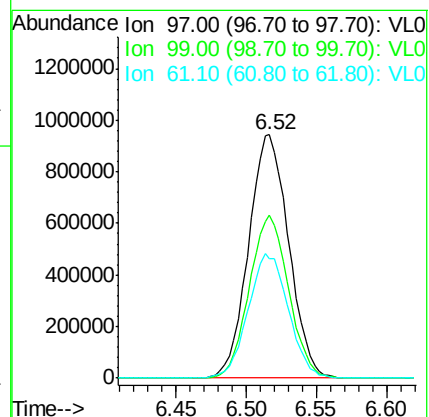
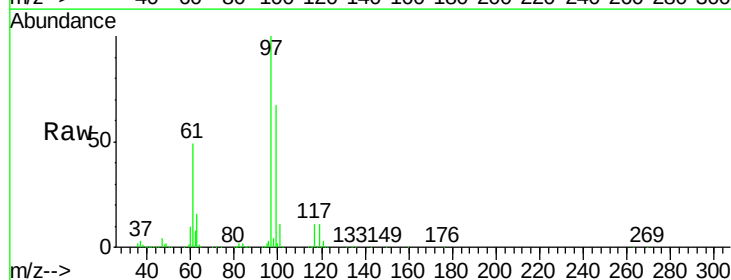
Tgt Ion: 97 Resp: 1875117

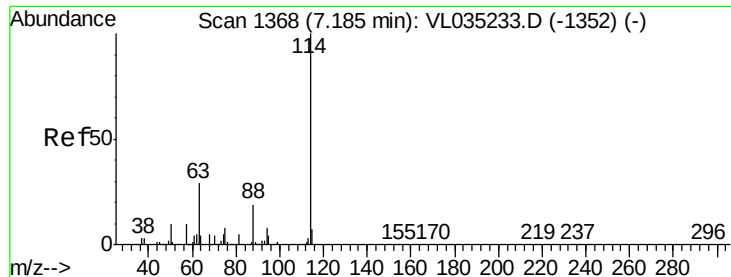
Ion	Ratio	Lower	Upper
97	100		
99	65.6	51.4	77.0
61	51.2	40.4	60.6

97 100

99 65.6 51.4 77.0

61 51.2 40.4 60.6



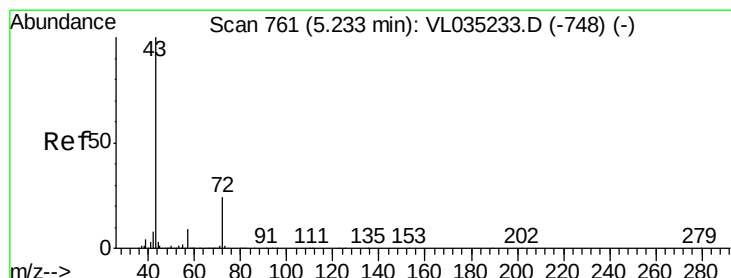
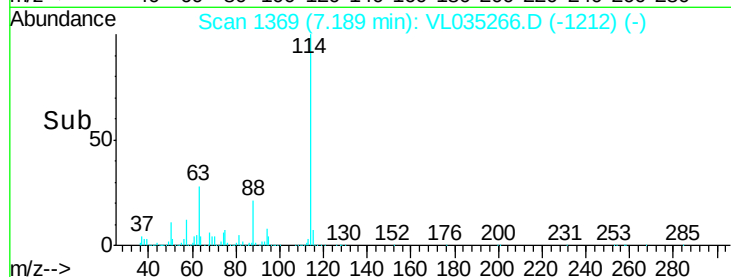
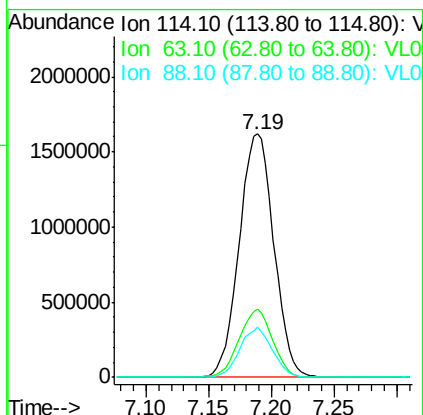
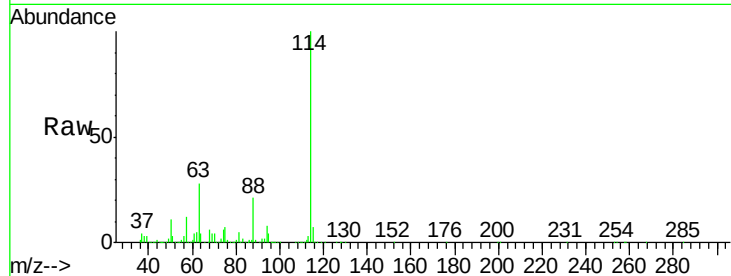


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: VL035266.D
 Acq: 30 Jul 2020 4:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0730ABS01

Tot Ion:114 Resp: 3113909

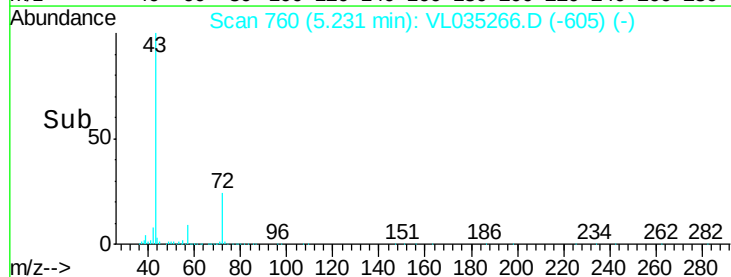
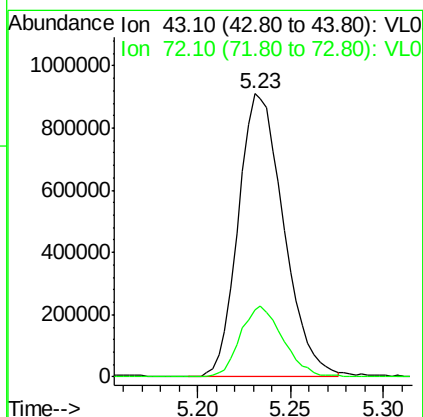
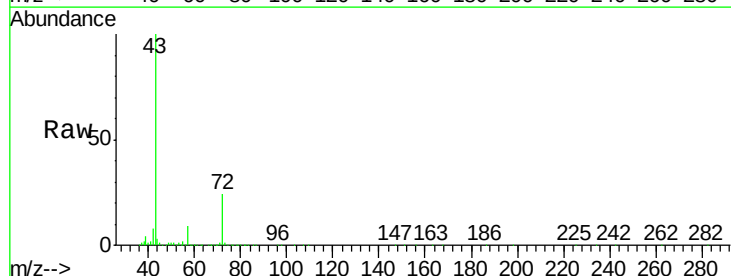
Ion	Ratio	Lower	Upper
114	100		
63	27.4	22.2	33.2
88	19.3	15.4	23.0

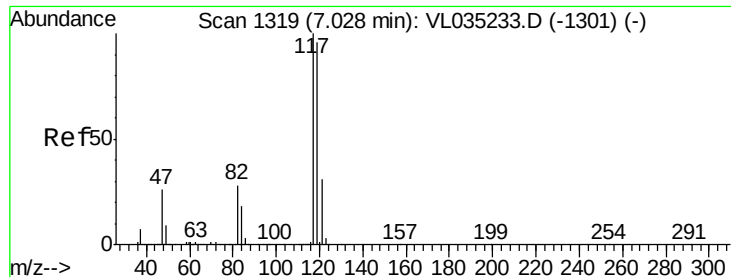


#34
 2-Butanone
 Concen: 9.741 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. -0.00 min
 Lab File: VL035266.D
 Acq: 30 Jul 2020 4:44

Tgt Ion: 43 Resp: 1543261

Ion	Ratio	Lower	Upper
43	100		
72	23.8	19.2	28.8





#35

Carbon Tetrachloride

Concen: 9.476 ppbv

RT: 7.03 min Scan# 1319

Delta R.T. 0.00 min

Lab File: VL035266.D

Acq: 30 Jul 2020 4:44

Instrument :

MSVOA_L

ClientSampleId :

VL0730ABS01

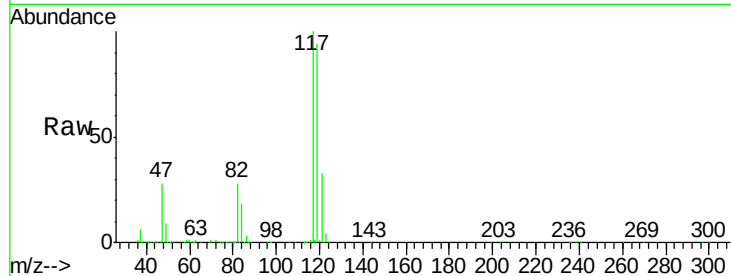
Tot Ion:117 Resp: 1975702

Ion Ratio Lower Upper

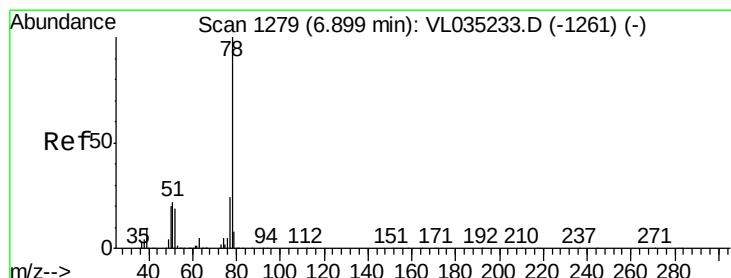
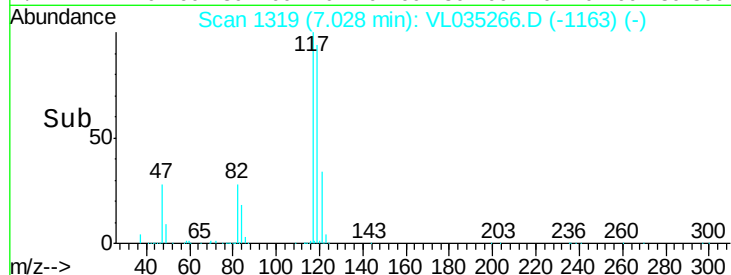
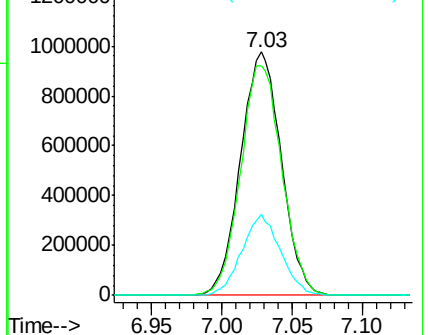
117 100

119 94.4 76.8 115.2

121 33.0 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: 10.504 ppbv

RT: 6.90 min Scan# 1279

Delta R.T. 0.00 min

Lab File: VL035266.D

Acq: 30 Jul 2020 4:44

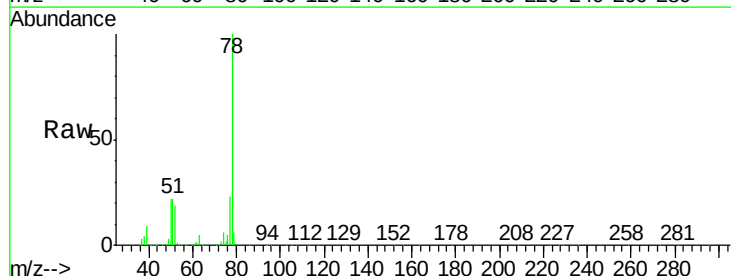
Tgt Ion: 78 Resp: 2273312

Ion Ratio Lower Upper

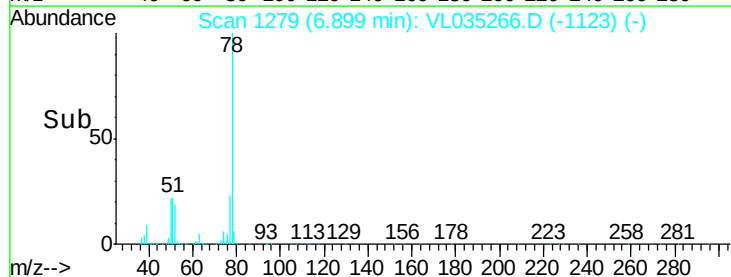
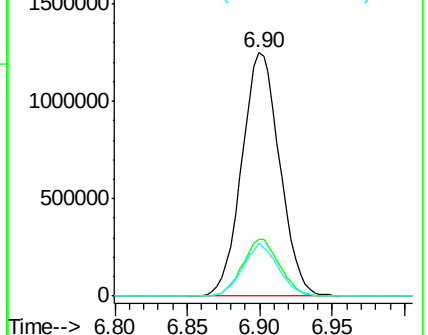
78 100

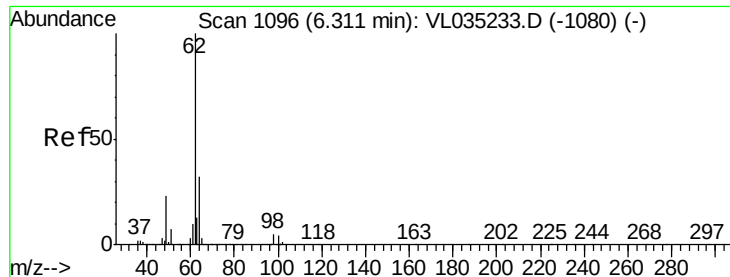
77 23.1 18.9 28.3

50 21.7 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

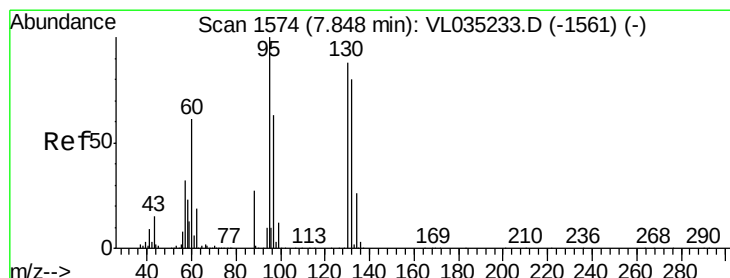
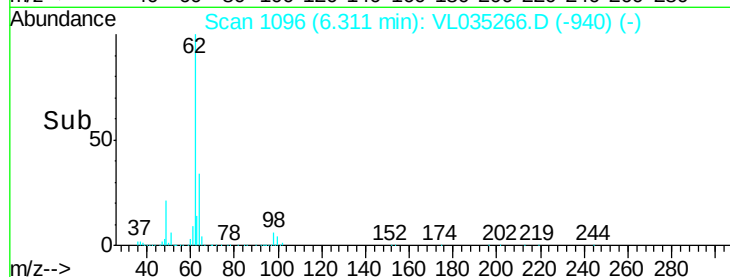
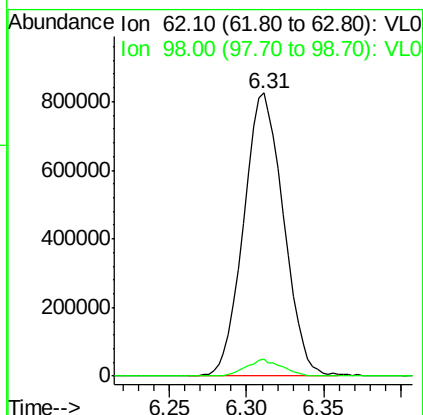
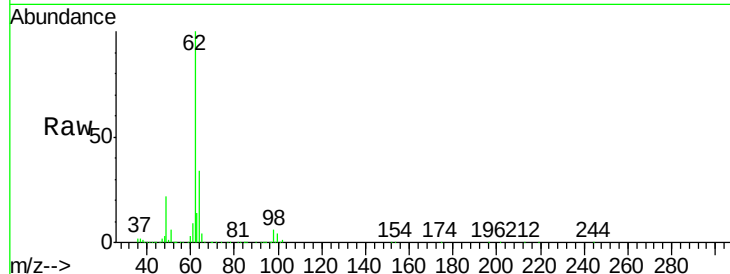




#37
 1,2-Dichloroethane
 Concen: 9.790 ppbv
 RT: 6.31 min Scan# 1096
 Delta R.T. 0.00 min
 Lab File: VL035266.D
 Acq: 30 Jul 2020 4:44

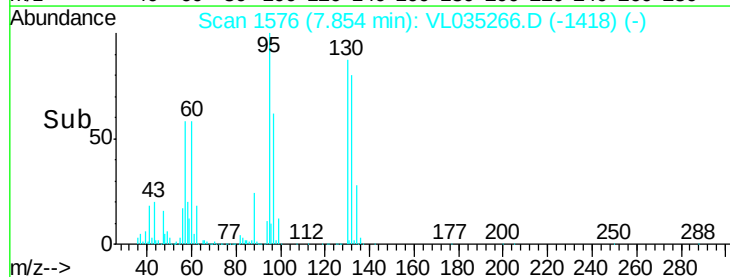
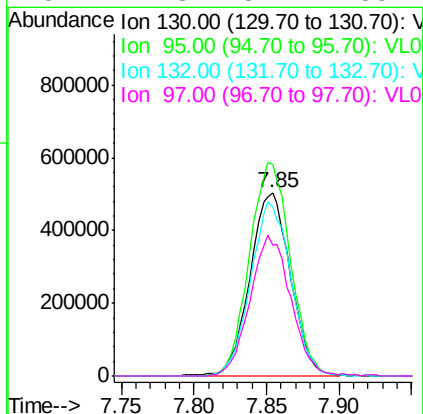
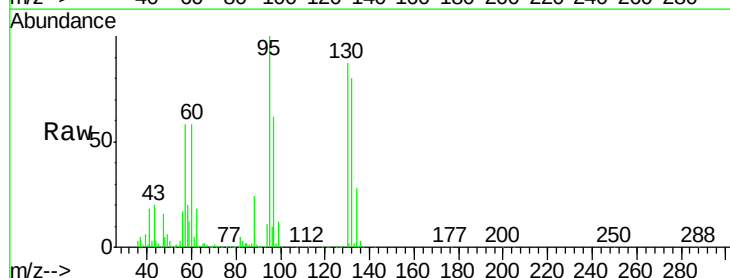
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0730ABS01

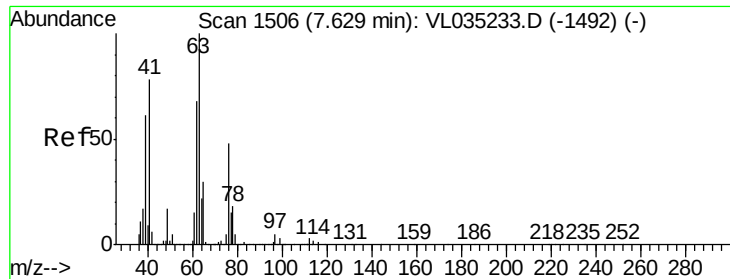
Tot Ion: 62 Resp: 1481045
 Ion Ratio Lower Upper
 62 100
 98 5.5 4.5 6.7



#38
 Trichloroethene
 Concen: 10.793 ppbv
 RT: 7.85 min Scan# 1576
 Delta R.T. 0.01 min
 Lab File: VL035266.D
 Acq: 30 Jul 2020 4:44

Tgt Ion:130 Resp: 968056
 Ion Ratio Lower Upper
 130 100
 95 115.2 90.7 136.1
 132 92.5 72.9 109.3
 97 71.3 57.1 85.7





#39

1,2-Dichloropropane

Concen: 10.368 ppbv

RT: 7.63 min Scan# 1506

Delta R.T. 0.00 min

Lab File: VL035266.D

Acq: 30 Jul 2020 4:44

Instrument :

MSVOA_L

ClientSampleId :

VL0730ABS01

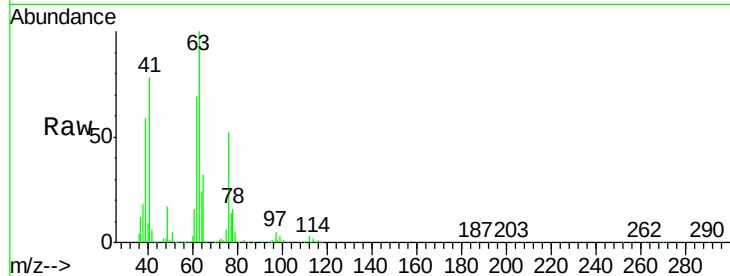
Tot Ion: 63 Resp: 895245

Ion Ratio Lower Upper

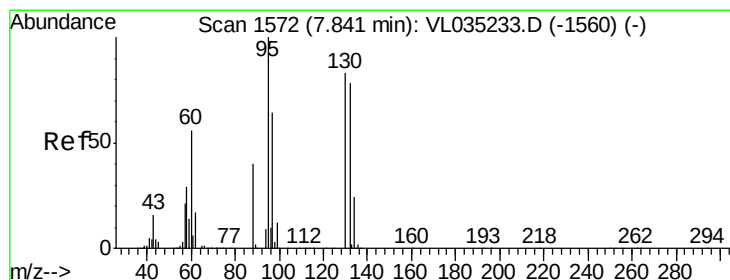
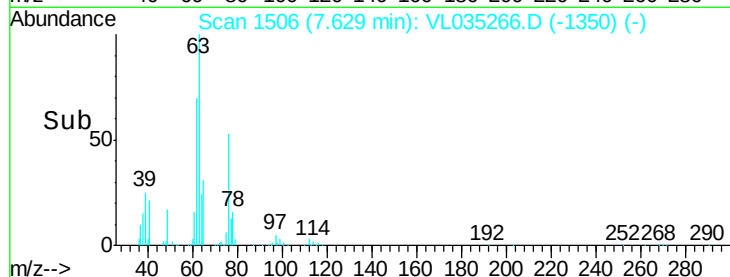
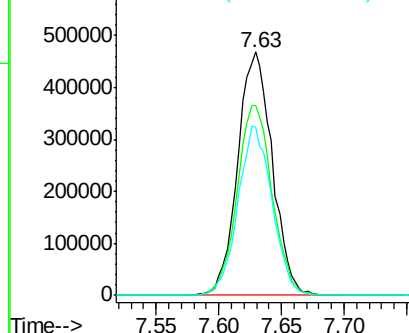
63 100

41 77.9 62.2 93.4

62 69.2 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: 10.624 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VL035266.D

Acq: 30 Jul 2020 4:44

Tgt Ion: 88 Resp: 361207

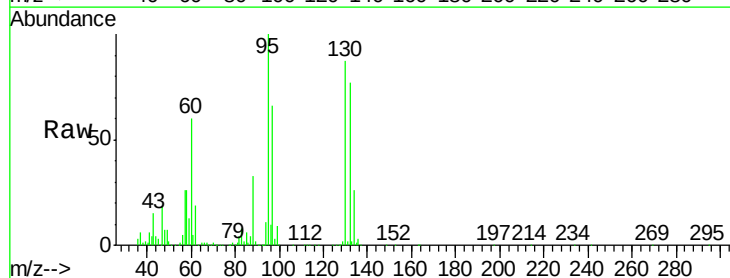
Ion Ratio Lower Upper

88 100

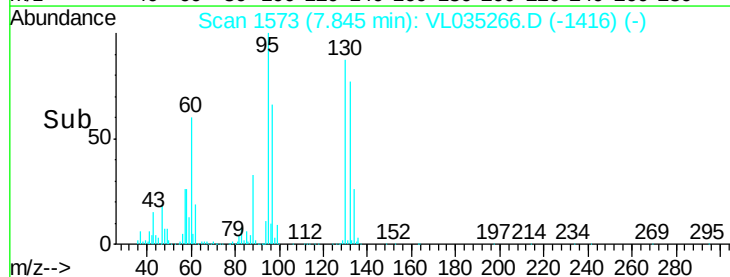
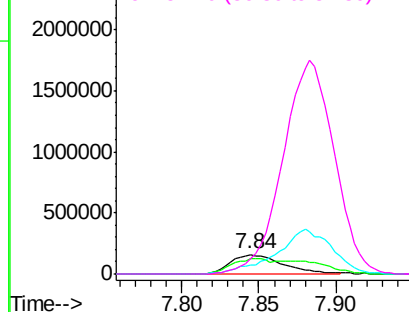
58 129.3 99.3 148.9

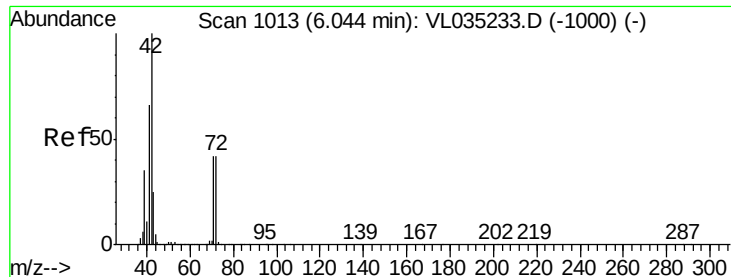
43 0.0 195.6 293.4#

57 0.0 854.3 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

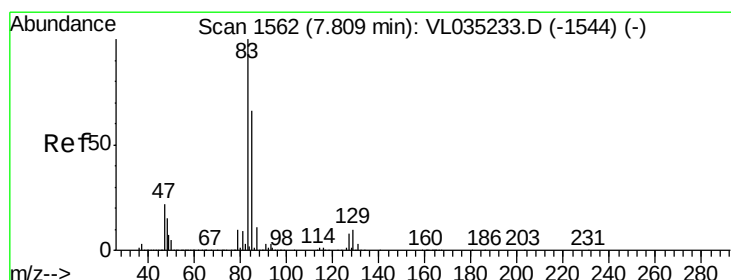
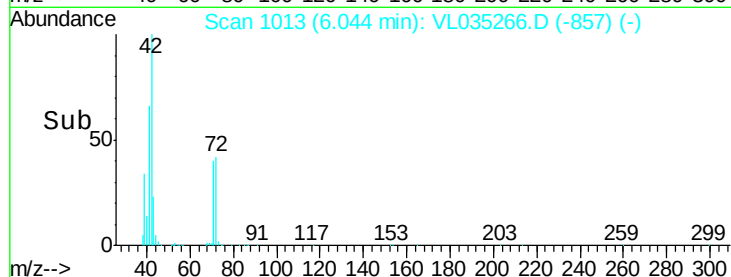
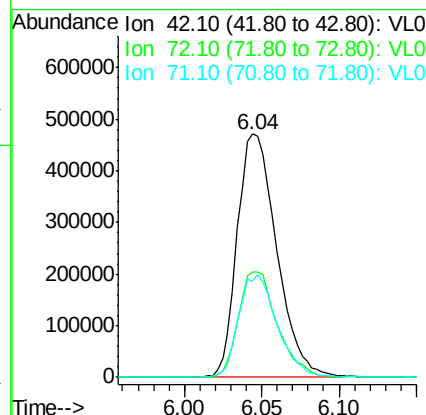
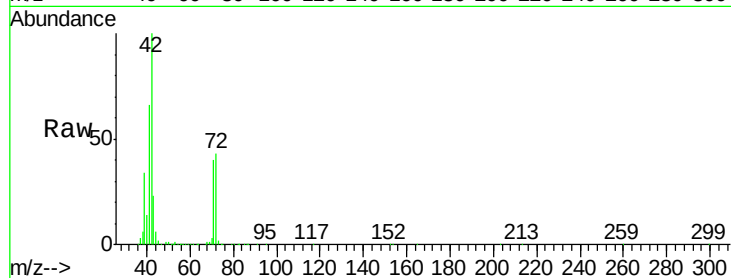




#41
Tetrahydrofuran
Concen: 10.752 ppbv
RT: 6.04 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VL035266.D
Acq: 30 Jul 2020 4:44

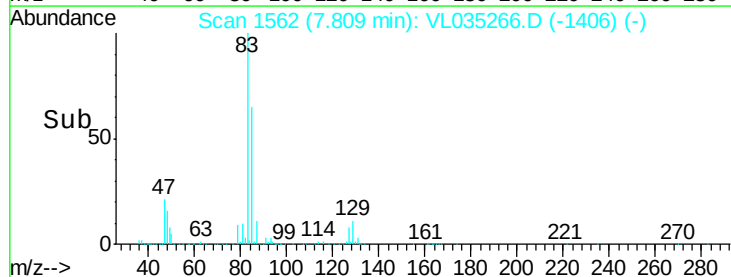
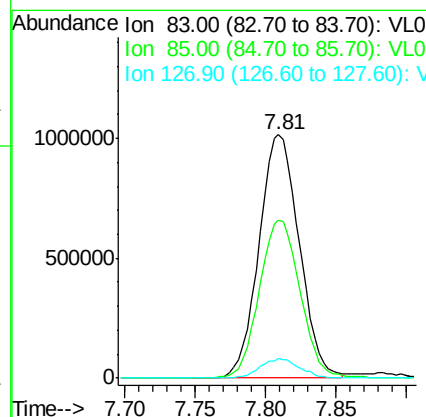
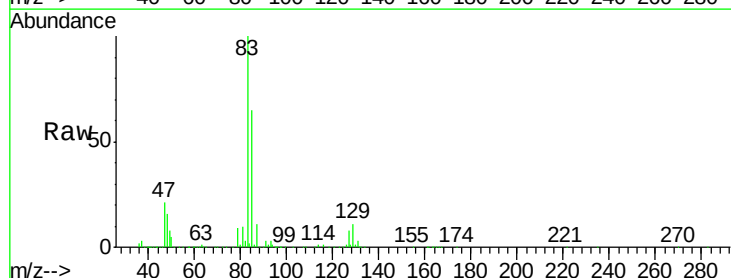
Instrument :
MSVOA_L
ClientSampleId :
VL0730ABS01

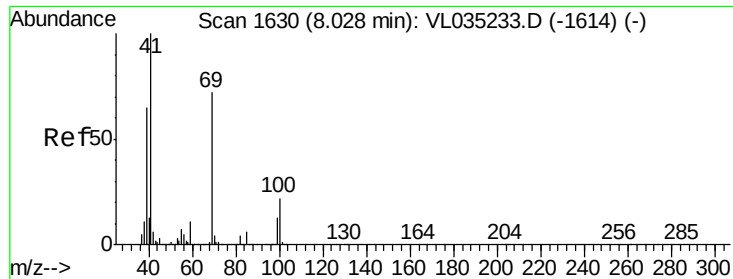
Tot Ion: 42 Resp: 834958
Ion Ratio Lower Upper
42 100
72 42.8 34.2 51.2
71 41.2 33.2 49.8



#42
Bromodichloromethane
Concen: 10.019 ppbv
RT: 7.81 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VL035266.D
Acq: 30 Jul 2020 4:44

Tgt Ion: 83 Resp: 2022994
Ion Ratio Lower Upper
83 100
85 64.8 52.9 79.3
127 7.9 6.5 9.7

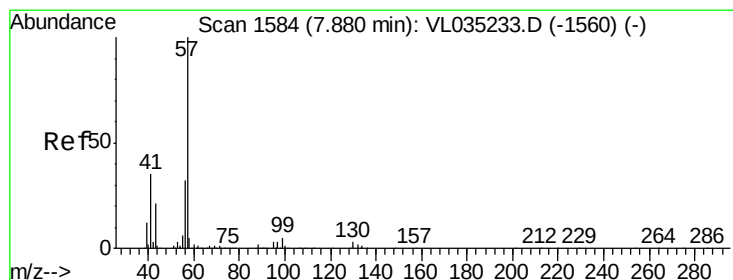
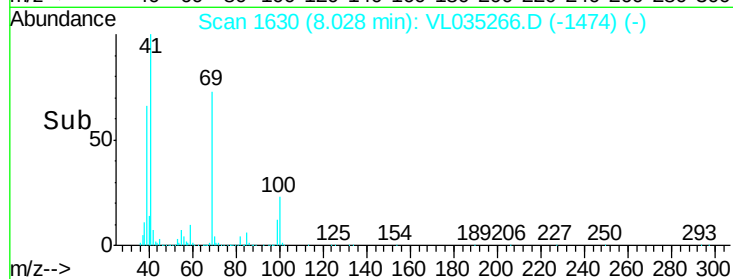
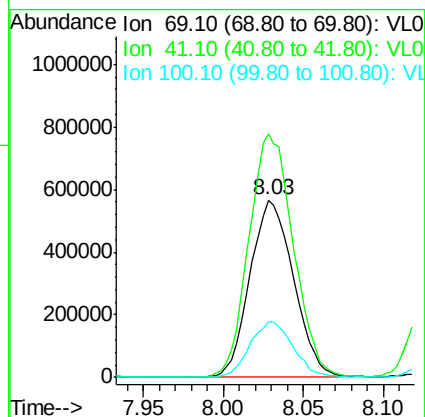
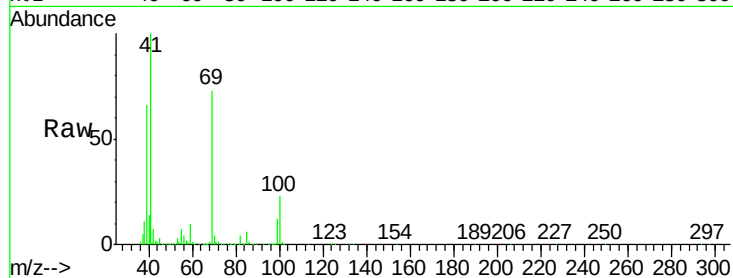




#43
Methyl Methacrylate
Concen: 11.290 ppbv
RT: 8.03 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VL035266.D
Acq: 30 Jul 2020 4:44

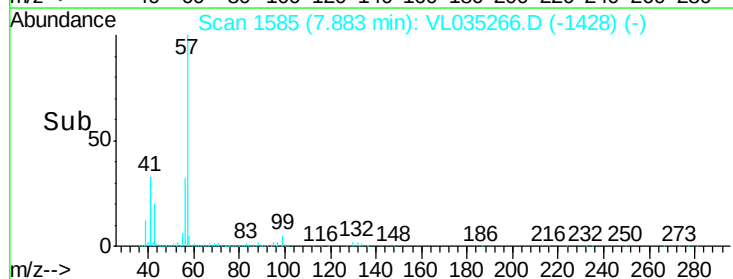
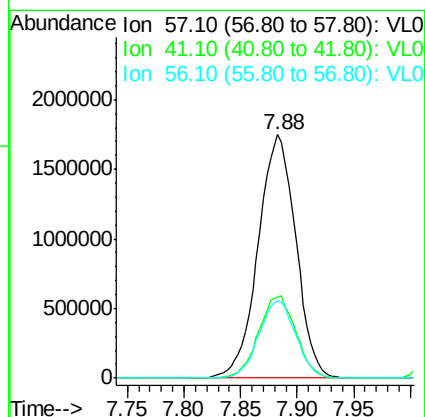
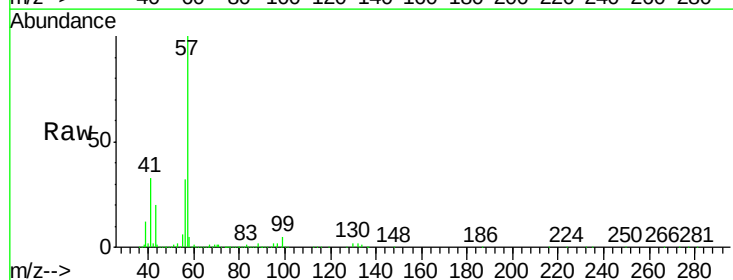
Instrument :
MSVOA_L
ClientSampleId :
VL0730ABS01

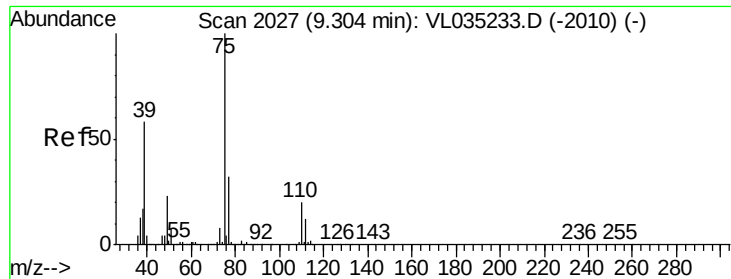
Tot Ion: 69 Resp: 1058593
Ion Ratio Lower Upper
69 100
41 139.8 113.0 169.4
100 31.0 25.3 37.9



#44
2,2,4-Trimethylpentane
Concen: 10.611 ppbv
RT: 7.88 min Scan# 1585
Delta R.T. 0.00 min
Lab File: VL035266.D
Acq: 30 Jul 2020 4:44

Tgt Ion: 57 Resp: 4045808
Ion Ratio Lower Upper
57 100
41 33.4 27.0 40.4
56 31.2 25.6 38.4

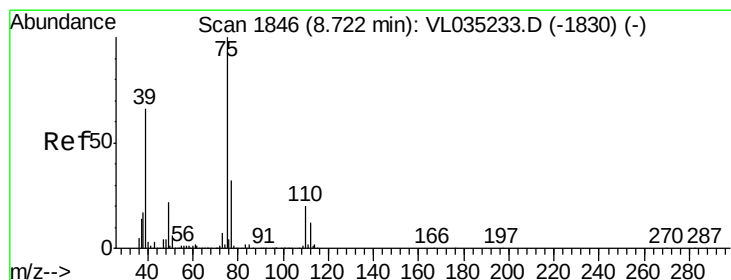
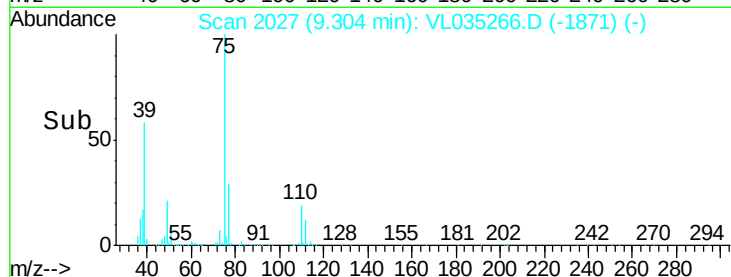
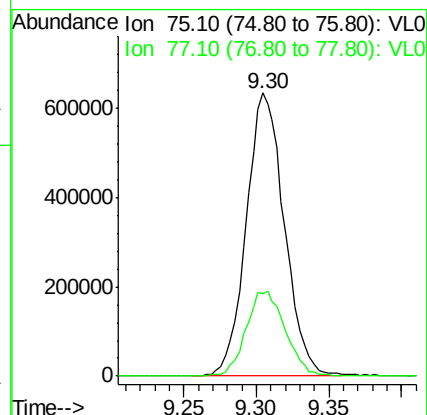
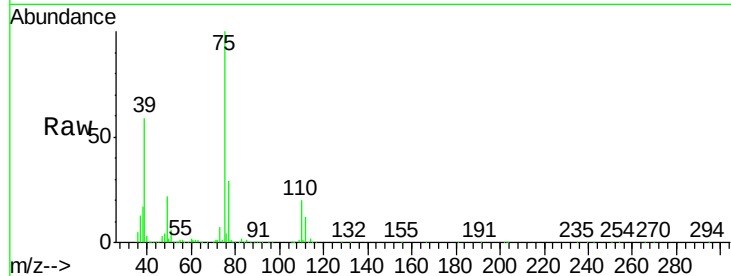




#45
 t-1,3-Dichloropropene
 Concen: 12.249 ppbv
 RT: 9.30 min Scan# 2027
 Delta R.T. 0.00 min
 Lab File: VL035266.D
 Acq: 30 Jul 2020 4:44

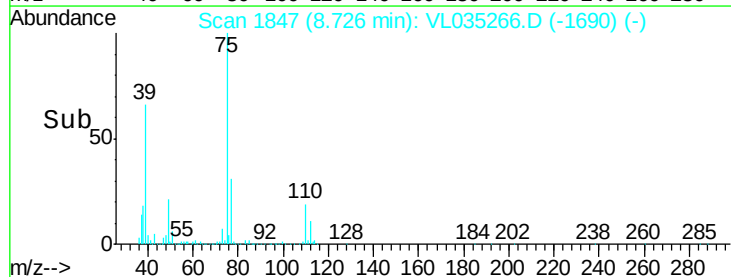
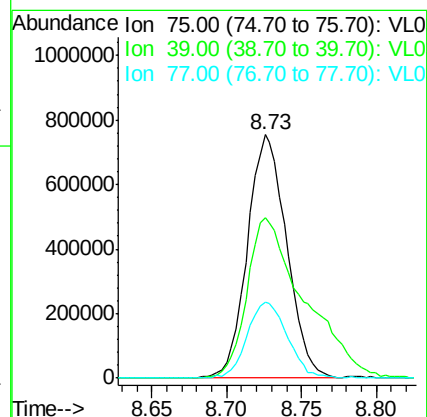
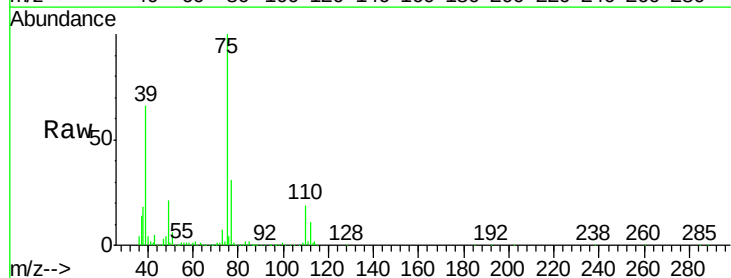
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0730ABS01

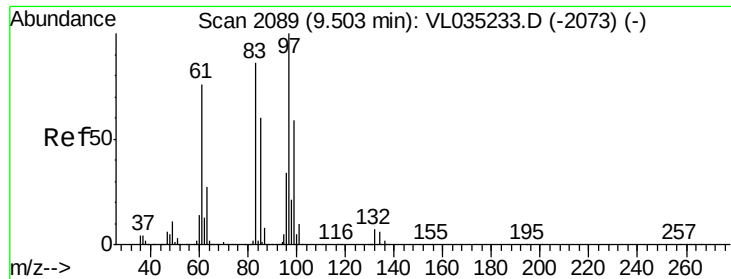
Tot Ion: 75 Resp: 1157230
 Ion Ratio Lower Upper
 75 100
 77 29.2 25.6 38.4



#46
 cis-1,3-Dichloropropene
 Concen: 11.961 ppbv
 RT: 8.73 min Scan# 1847
 Delta R.T. 0.00 min
 Lab File: VL035266.D
 Acq: 30 Jul 2020 4:44

Tgt Ion: 75 Resp: 1376681
 Ion Ratio Lower Upper
 75 100
 39 65.6 53.0 79.4
 77 30.9 25.8 38.8



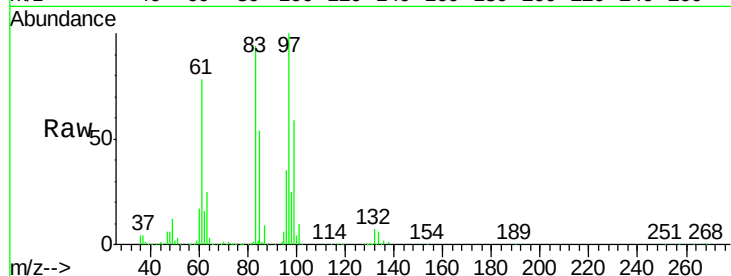


#47
 1,1,2-Trichloroethane
 Concen: 9.898 ppbv
 RT: 9.51 min Scan# 2090
 Delta R.T. 0.00 min
 Lab File: VL035266.D
 Acq: 30 Jul 2020 4:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0730ABS01

Tot Ion: 97 Resp: 1009590

Ion	Ratio	Lower	Upper
97	100		
83	93.9	69.0	103.4
85	54.4	47.8	71.8
99	59.3	47.6	71.4

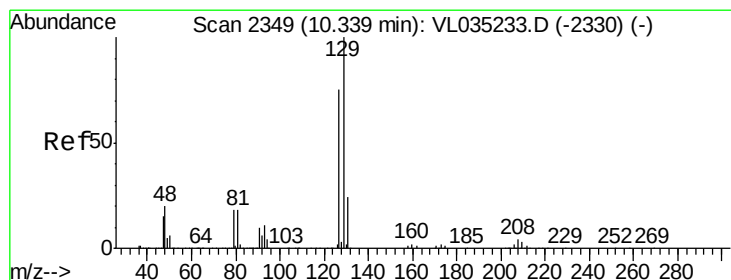
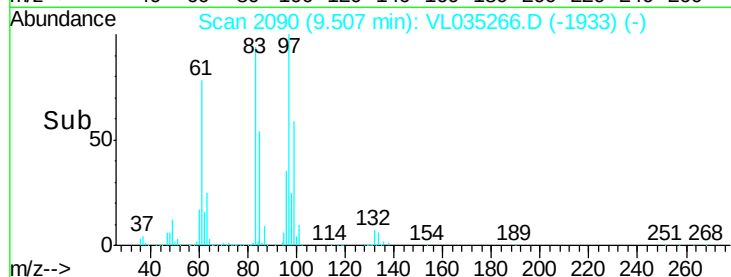
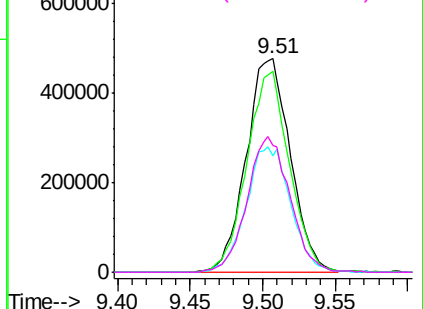


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

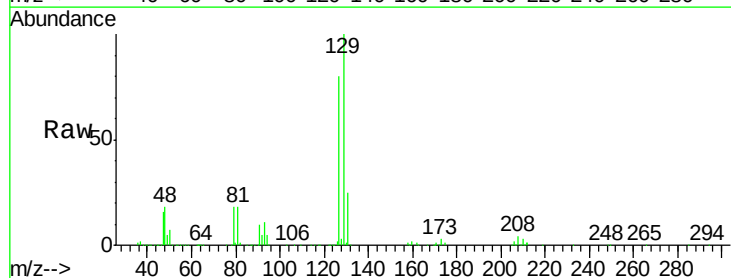
Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 10.705 ppbv
 RT: 10.34 min Scan# 2349
 Delta R.T. 0.00 min
 Lab File: VL035266.D
 Acq: 30 Jul 2020 4:44

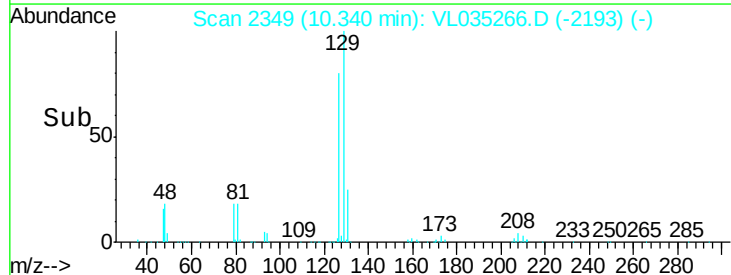
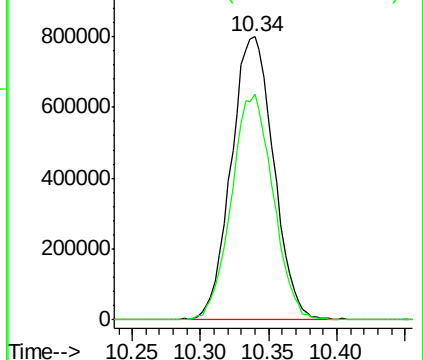
Tgt Ion: 129 Resp: 1719583

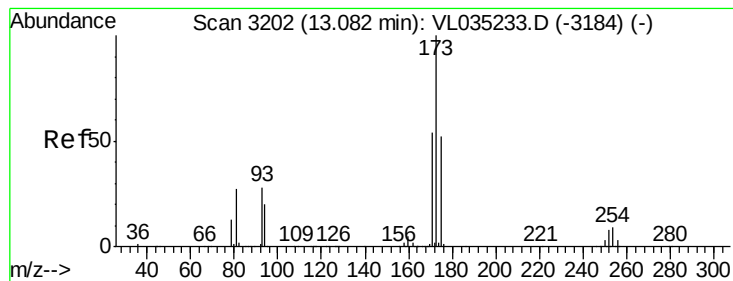
Ion	Ratio	Lower	Upper
129	100		
127	78.6	39.6	119.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.785 ppbv

RT: 13.09 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VL035266.D

Acq: 30 Jul 2020 4:44

Instrument :

MSVOA_L

ClientSampleId :

VL0730ABS01

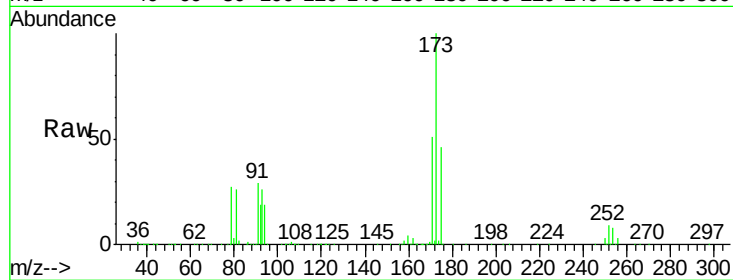
Tot Ion:173 Resp: 1557449

Ion Ratio Lower Upper

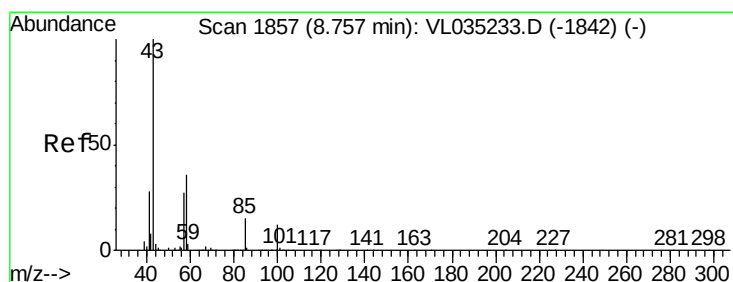
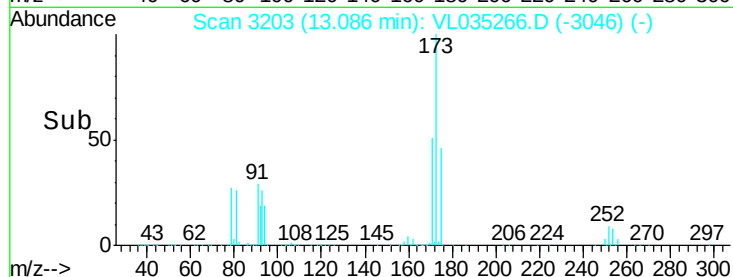
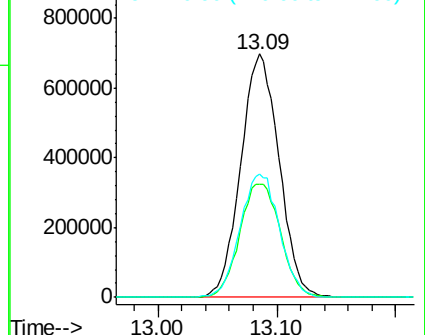
173 100

175 49.5 40.0 60.0

171 52.3 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: 10.707 ppbv

RT: 8.76 min Scan# 1857

Delta R.T. 0.00 min

Lab File: VL035266.D

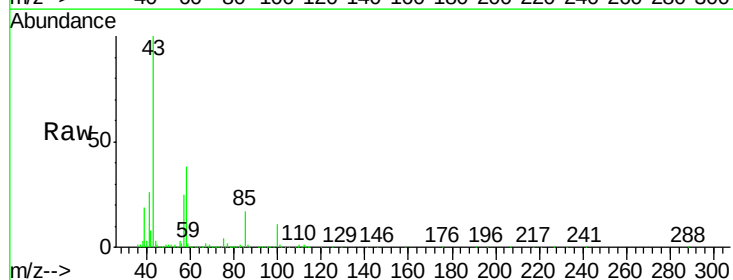
Acq: 30 Jul 2020 4:44

Tgt Ion: 43 Resp: 2458494

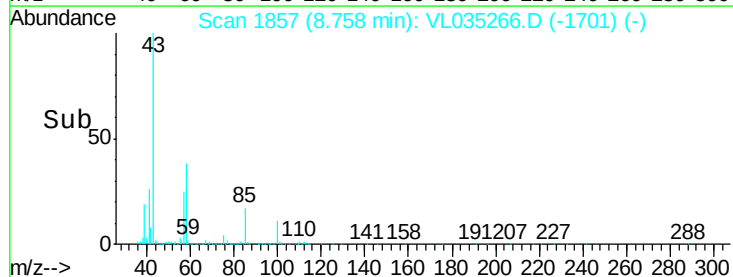
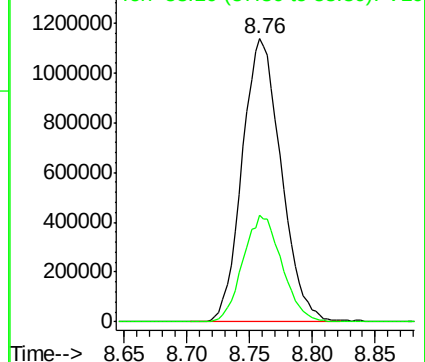
Ion Ratio Lower Upper

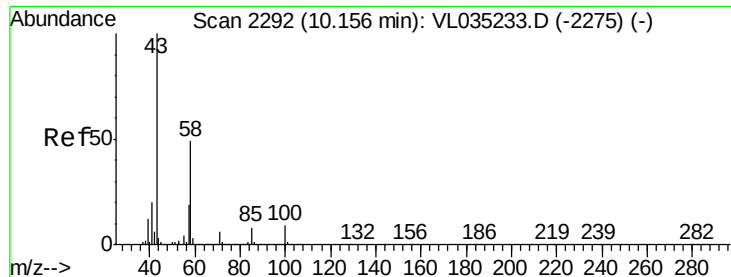
43 100

58 37.7 30.0 45.0



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0

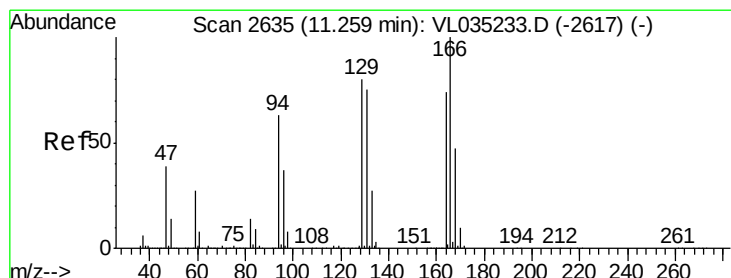
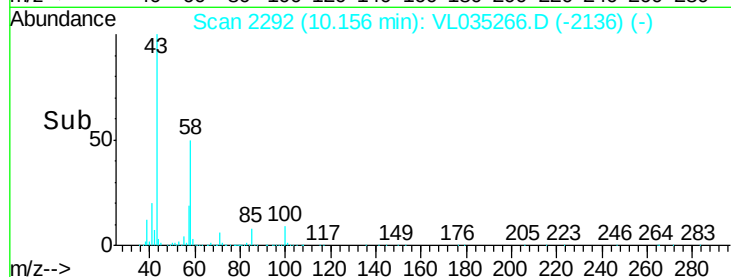
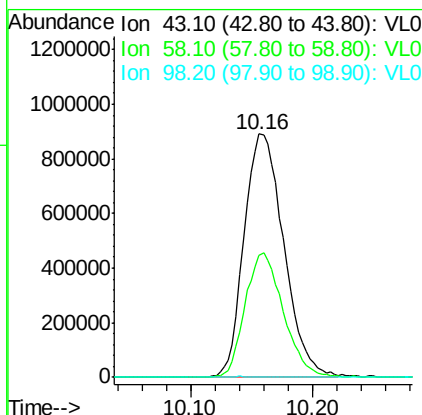
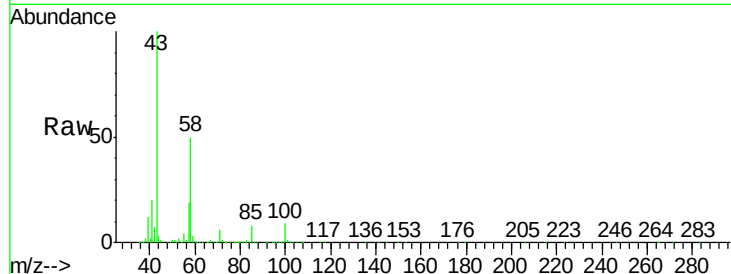




#51
2-Hexanone
Concen: 11.486 ppbv
RT: 10.16 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VL035266.D
Acq: 30 Jul 2020 4:44

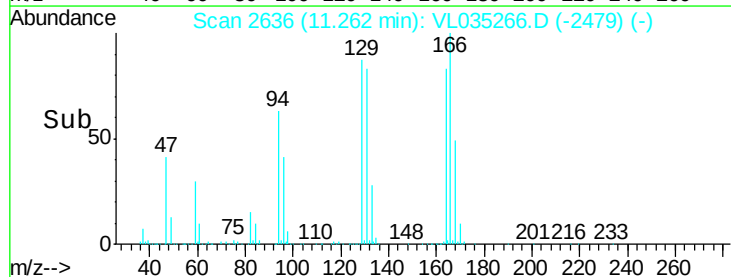
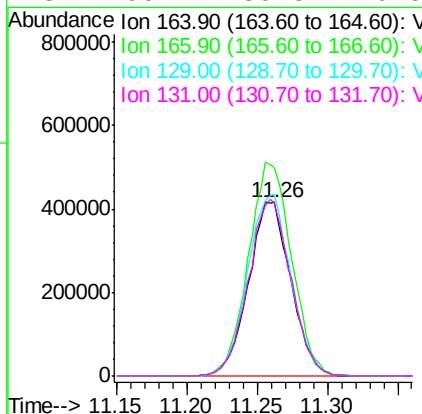
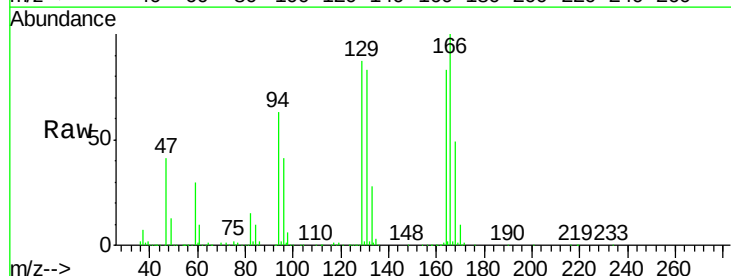
Instrument :
MSVOA_L
ClientSampleId :
VL0730ABS01

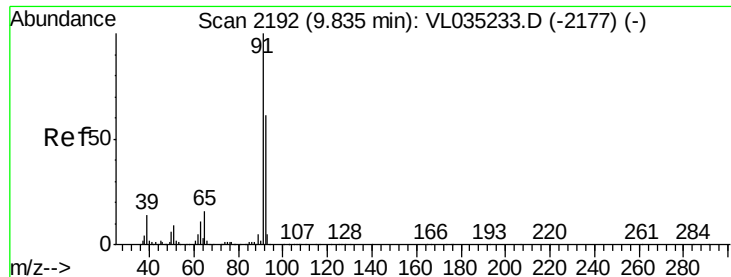
Tot Ion: 43 Resp: 1999961
Ion Ratio Lower Upper
43 100
58 49.4 38.8 58.2
98 0.3 0.6 0.8#



#52
Tetrachloroethene
Concen: 10.571 ppbv
RT: 11.26 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VL035266.D
Acq: 30 Jul 2020 4:44

Tgt Ion: 164 Resp: 872814
Ion Ratio Lower Upper
164 100
166 119.8 107.5 161.3
129 104.8 86.0 129.0
131 99.4 80.3 120.5





#53

Toluene

Concen: 11.937 ppbv

RT: 9.83 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VL035266.D

Acq: 30 Jul 2020 4:44

Instrument :

MSVOA_L

ClientSampleId :

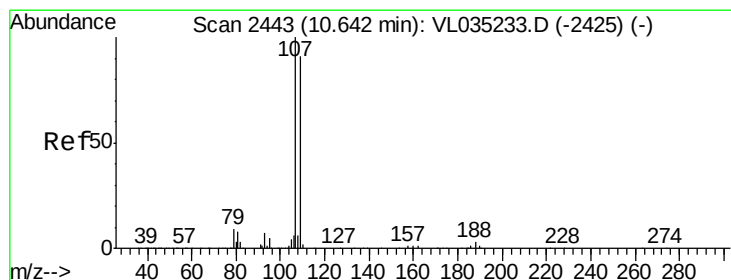
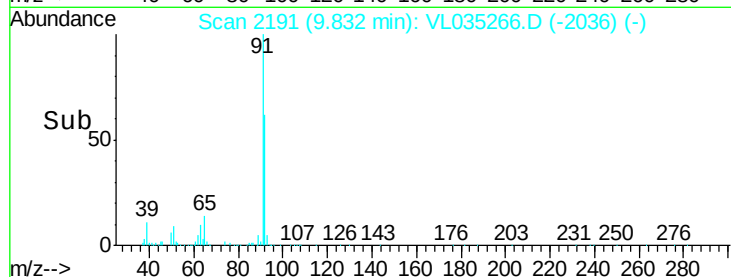
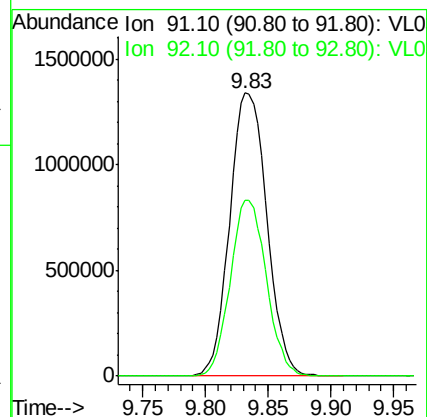
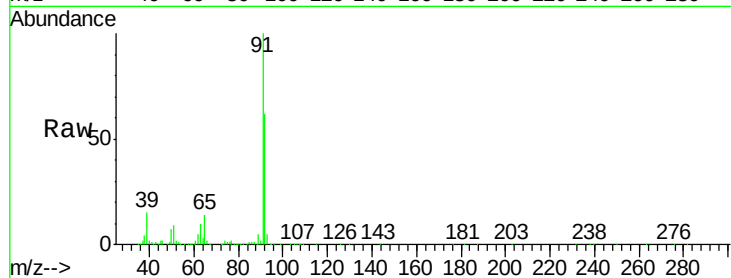
VL0730ABS01

Tot Ion: 91 Resp: 2745581

Ion Ratio Lower Upper

91 100

92 60.7 48.5 72.7



#54

1,2-Dibromoethane

Concen: 10.443 ppbv

RT: 10.65 min Scan# 2445

Delta R.T. 0.01 min

Lab File: VL035266.D

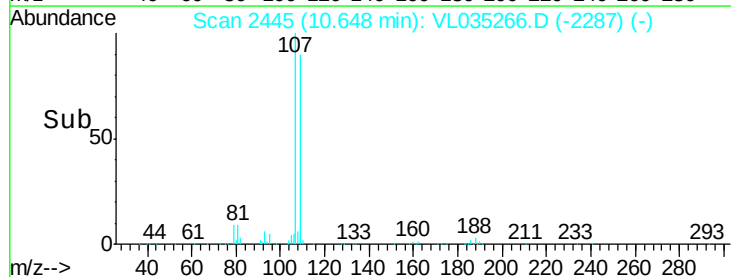
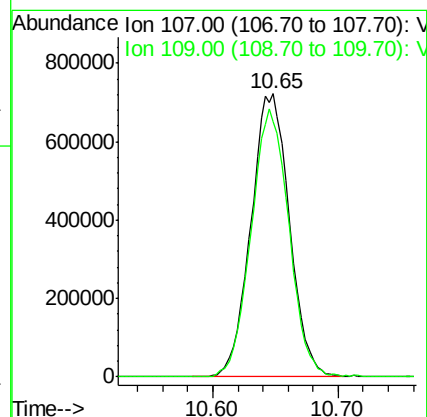
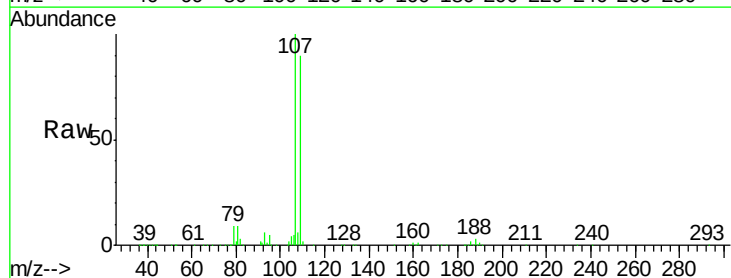
Acq: 30 Jul 2020 4:44

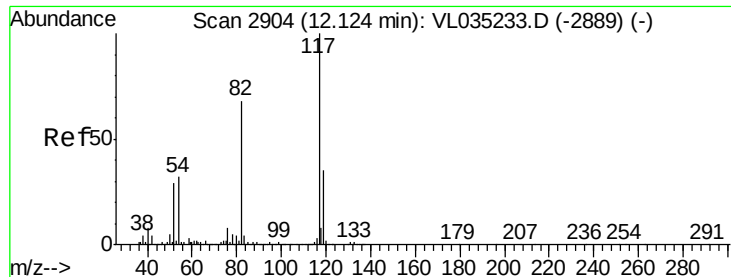
Tgt Ion: 107 Resp: 1540041

Ion Ratio Lower Upper

107 100

109 90.3 73.0 109.6

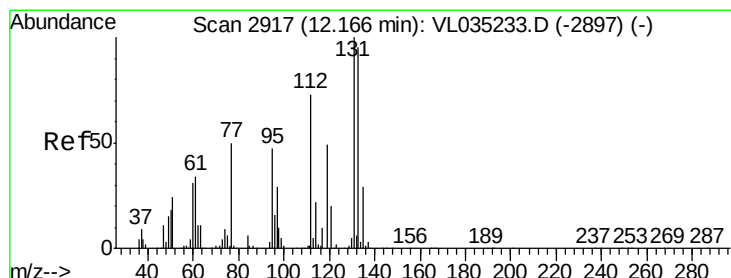
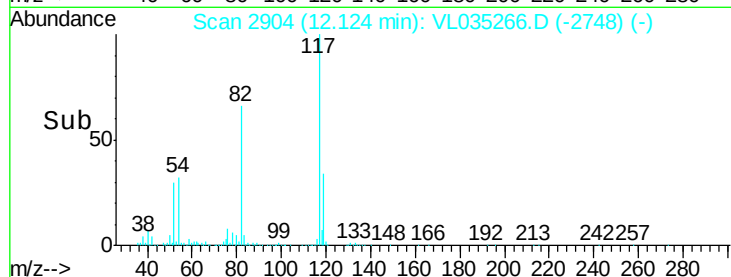
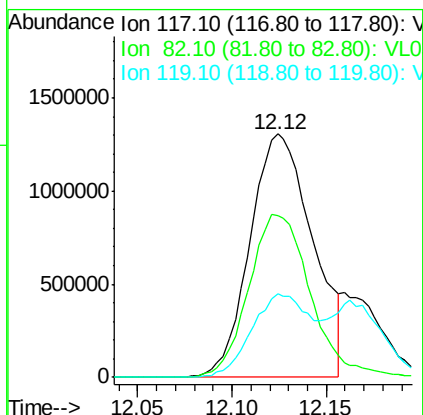
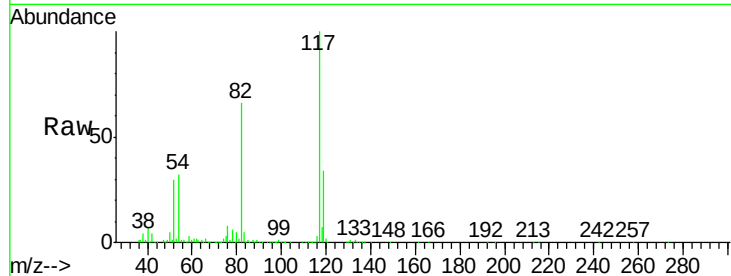




#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.12 min Scan# 2904
Delta R.T. 0.00 min
Lab File: VL035266.D
Acq: 30 Jul 2020 4:44

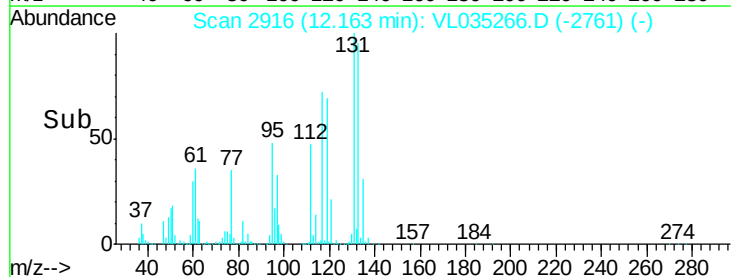
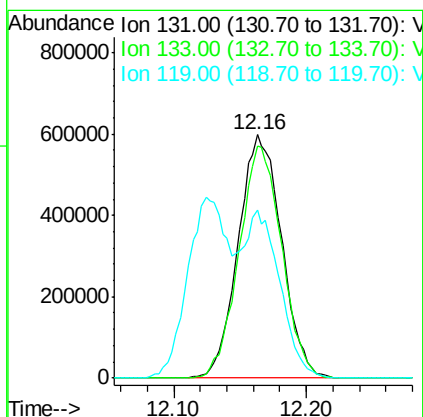
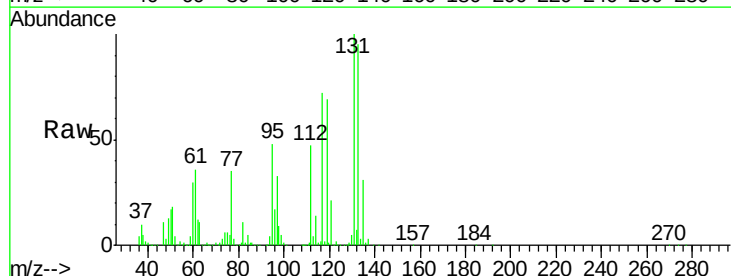
Instrument :
MSVOA_L
ClientSampleId :
VL0730ABS01

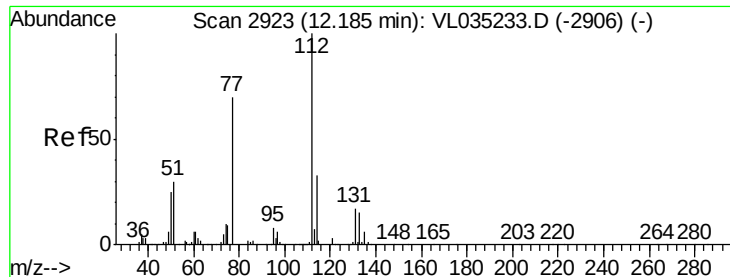
Tot Ion:117 Resp: 3025672
Ion Ratio Lower Upper
117 100
82 66.1 52.4 78.6
119 34.2 24.6 36.8



#56
1,1,1,2-Tetrachloroethane
Concen: 9.716 ppbv
RT: 12.16 min Scan# 2916
Delta R.T. -0.00 min
Lab File: VL035266.D
Acq: 30 Jul 2020 4:44

Tgt Ion:131 Resp: 1351641
Ion Ratio Lower Upper
131 100
133 94.7 76.1 114.1
119 59.2 44.3 66.5

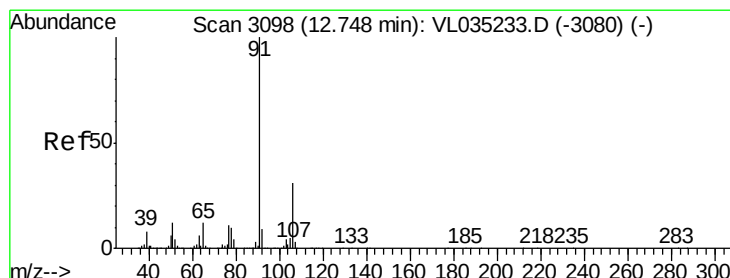
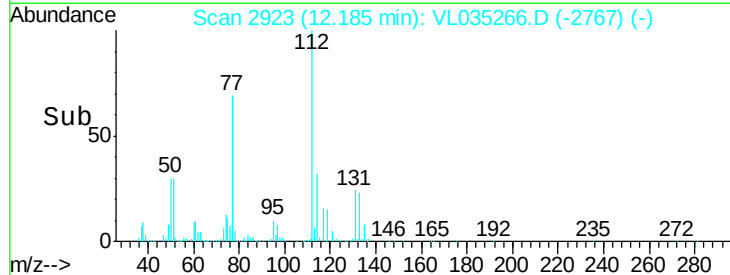
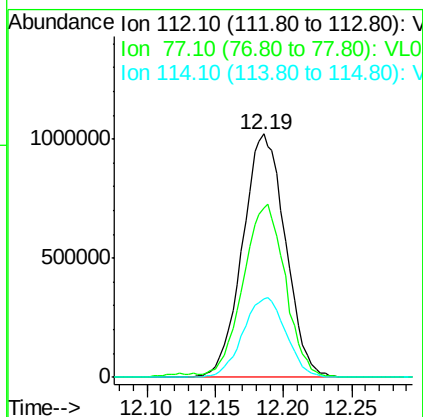
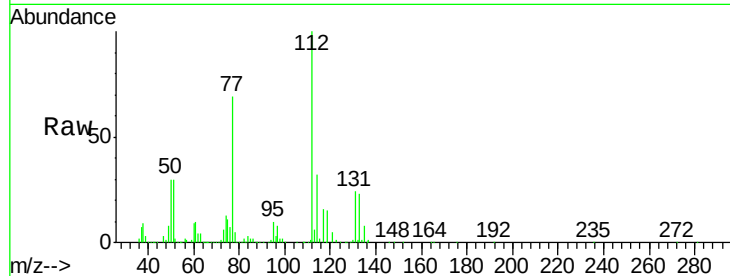




#57
Chlorobenzene
Concen: 9.746 ppbv
RT: 12.19 min Scan# 2923
Delta R.T. 0.00 min
Lab File: VL035266.D
Acq: 30 Jul 2020 4:44

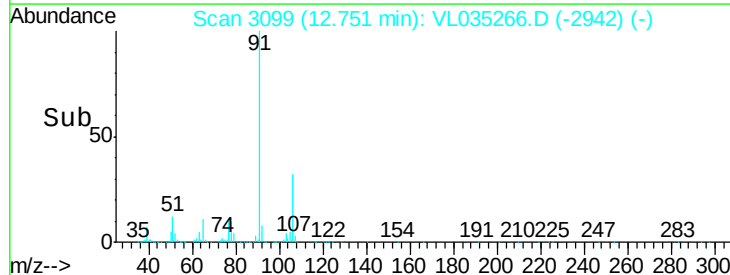
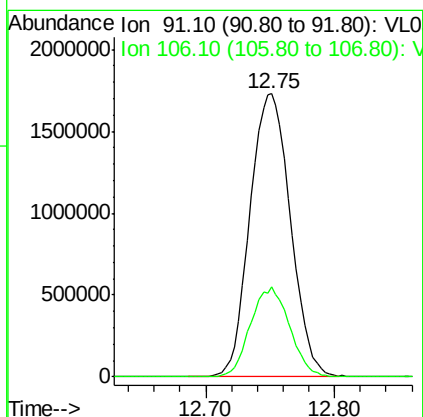
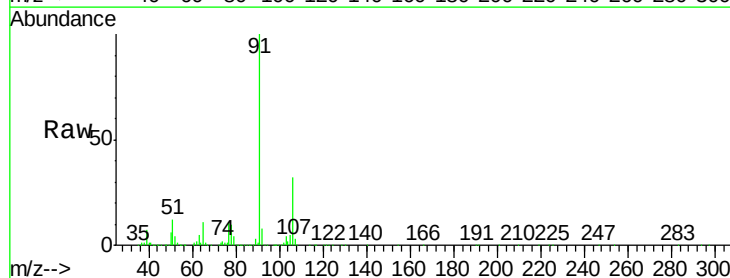
Instrument :
MSVOA_L
ClientSampleId :
VL0730ABS01

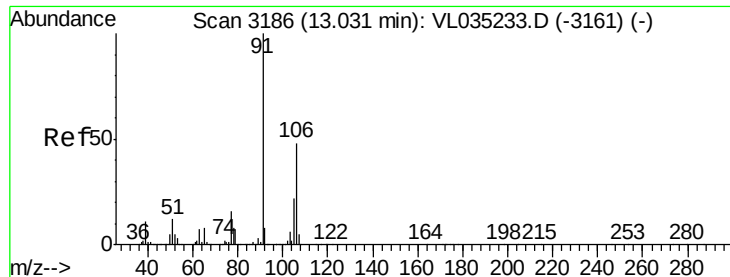
Tot Ion:112 Resp: 2218820
Ion Ratio Lower Upper
112 100
77 69.3 57.3 85.9
114 32.1 29.3 35.8



#58
Ethyl Benzene
Concen: 11.794 ppbv
RT: 12.75 min Scan# 3099
Delta R.T. 0.00 min
Lab File: VL035266.D
Acq: 30 Jul 2020 4:44

Tgt Ion: 91 Resp: 3779376
Ion Ratio Lower Upper
91 100
106 31.8 25.0 37.6





#59

m/p-Xylene

Concen: 21.698 ppbv m

RT: 13.03 min Scan# 3187

Delta R.T. 0.00 min

Lab File: VL035266.D

Acq: 30 Jul 2020 4:44

Instrument :

MSVOA_L

ClientSampleId :

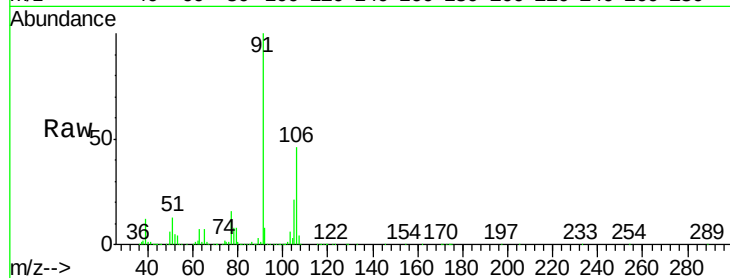
VL0730ABS01

Tot Ion: 91 Resp: 6472915

Ion Ratio Lower Upper

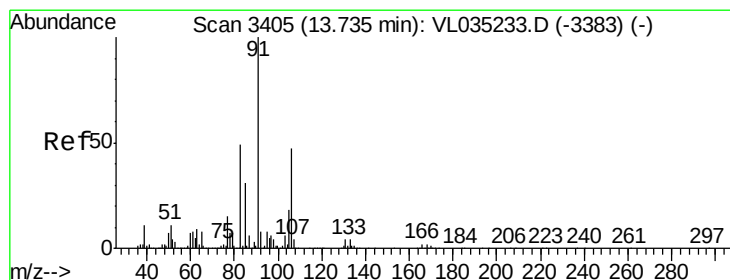
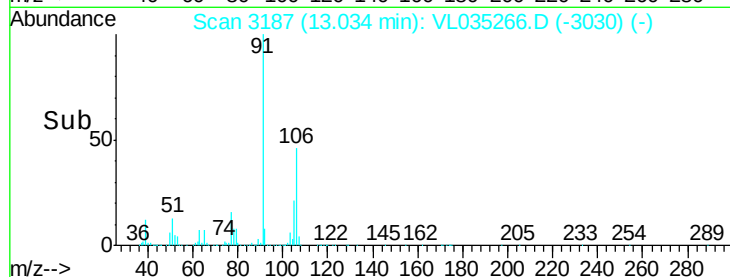
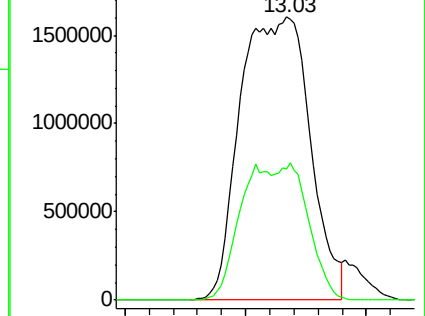
91 100

106 45.7 37.2 55.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 10.939 ppbv

RT: 13.73 min Scan# 3405

Delta R.T. 0.00 min

Lab File: VL035266.D

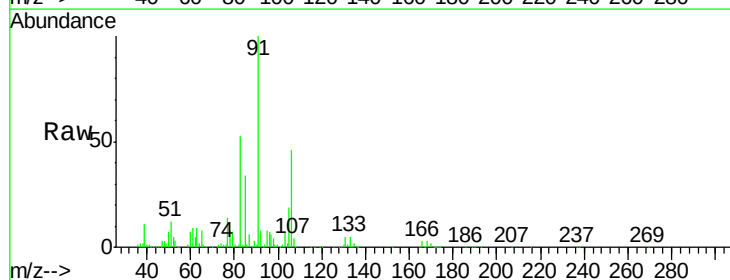
Acq: 30 Jul 2020 4:44

Tgt Ion: 91 Resp: 3256147

Ion Ratio Lower Upper

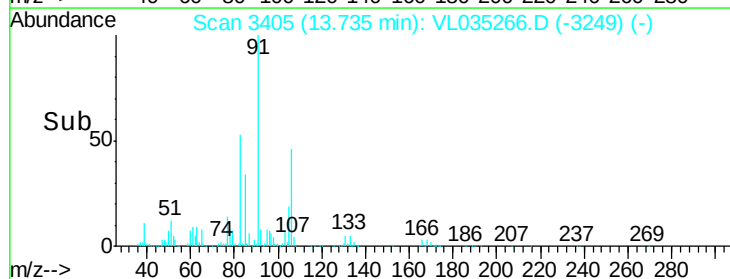
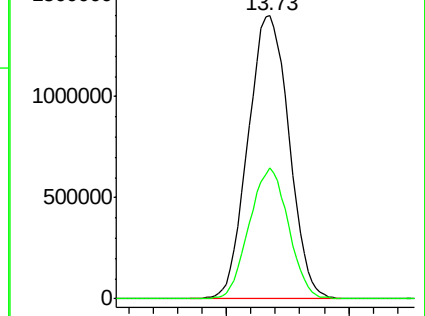
91 100

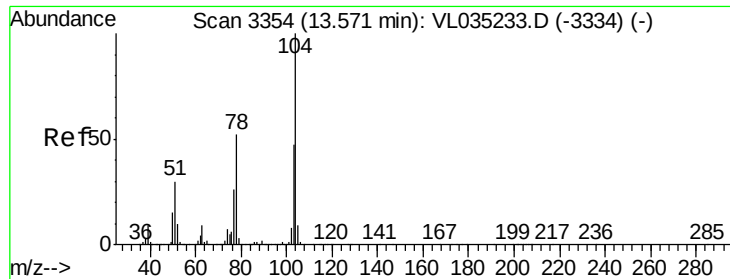
106 44.2 22.4 67.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#61

Stvrene

Concen: 12.494 ppbv

RT: 13.57 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VL035266.D

Acq: 30 Jul 2020 4:44

Instrument :

MSVOA_L

ClientSampleId :

VL0730ABS01

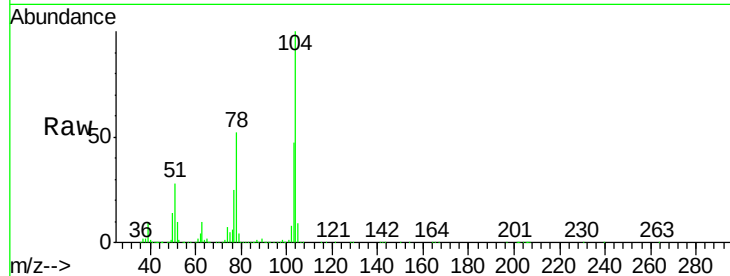
Tot Ion:104 Resp: 2257203

Ion Ratio Lower Upper

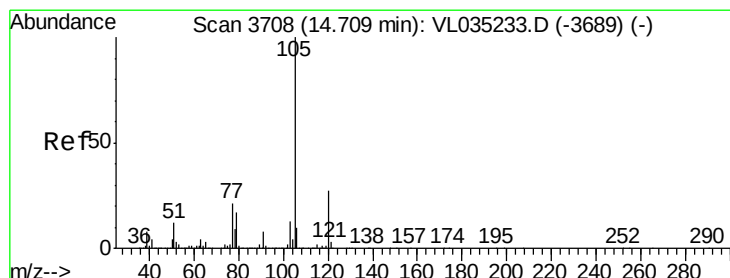
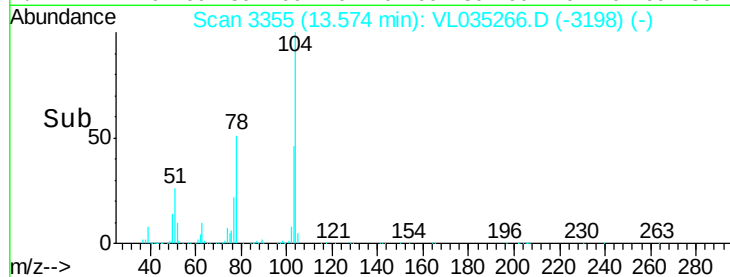
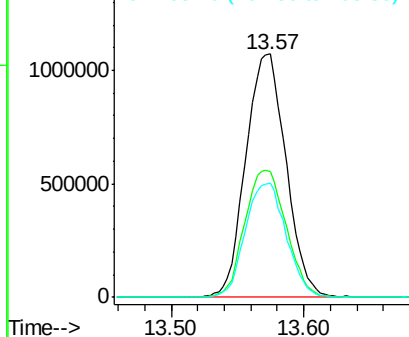
104 100

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: 10.692 ppbv

RT: 14.71 min Scan# 3709

Delta R.T. 0.00 min

Lab File: VL035266.D

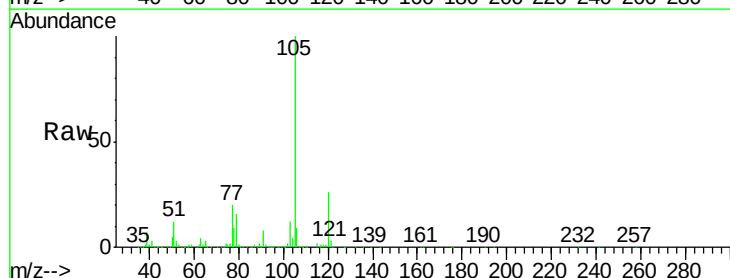
Acq: 30 Jul 2020 4:44

Tgt Ion:105 Resp: 4736881

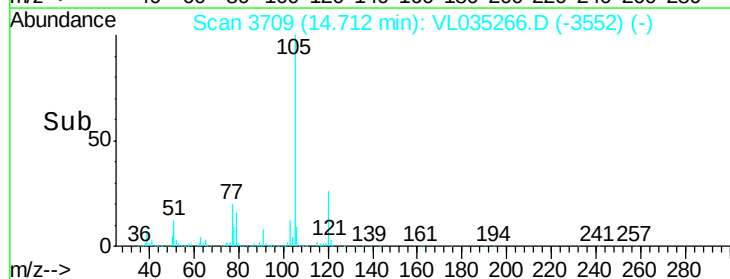
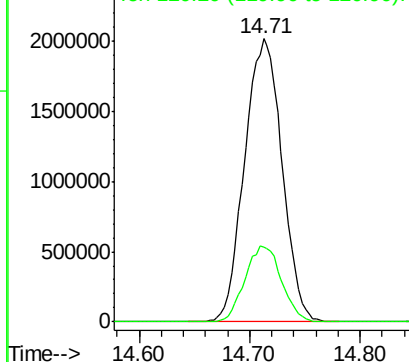
Ion Ratio Lower Upper

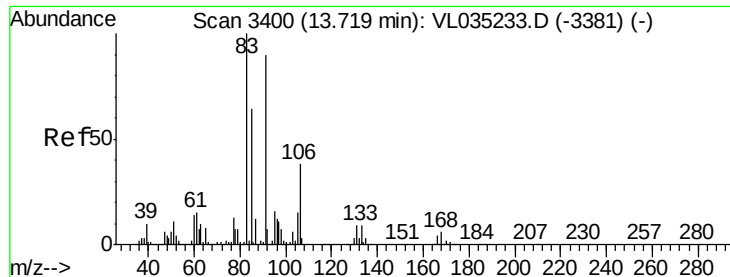
105 100

120 26.2 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: 9.234 ppbv

RT: 13.73 min Scan# 3402

Delta R.T. 0.01 min

Lab File: VL035266.D

Acq: 30 Jul 2020 4:44

Instrument :

MSVOA_L

ClientSampleId :

VL0730ABS01

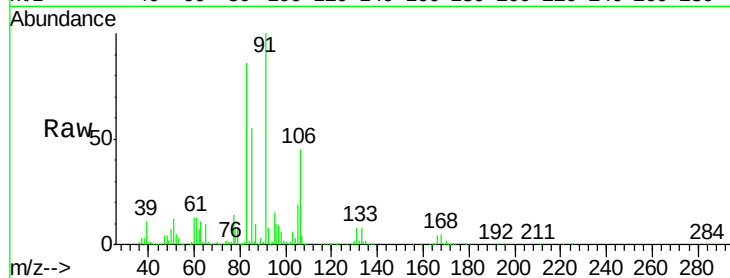
Tot Ion: 83 Resp: 2365022

Ion Ratio Lower Upper

83 100

131 9.1 4.6 13.8

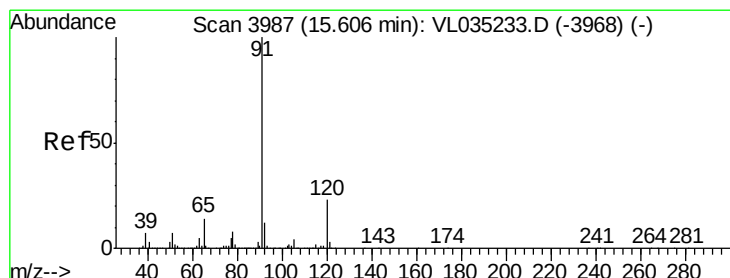
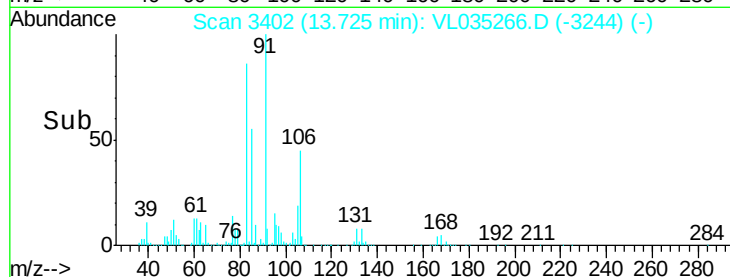
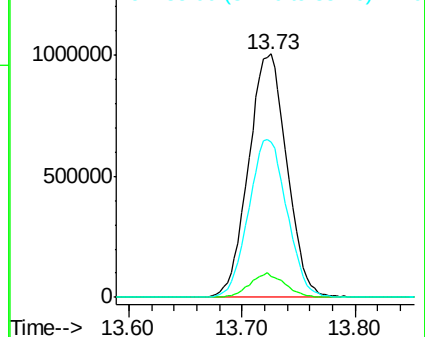
85 64.9 32.7 98.1



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: 11.055 ppbv

RT: 15.61 min Scan# 3987

Delta R.T. 0.00 min

Lab File: VL035266.D

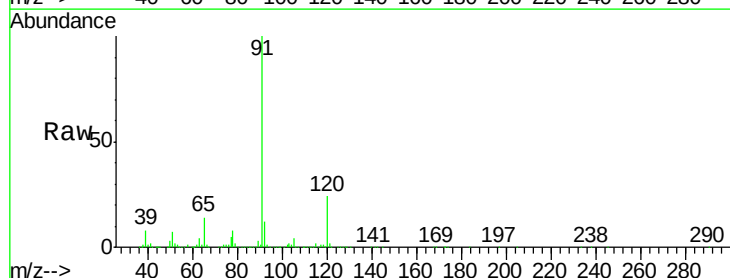
Acq: 30 Jul 2020 4:44

Tgt Ion:120 Resp: 1302179

Ion Ratio Lower Upper

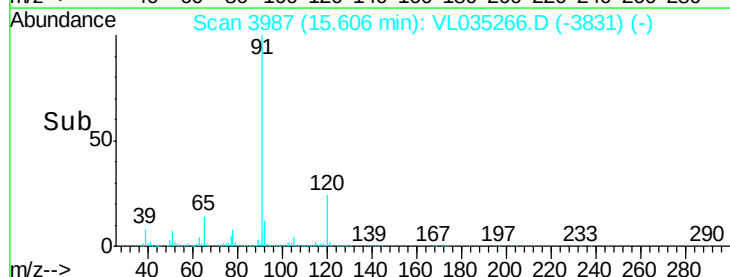
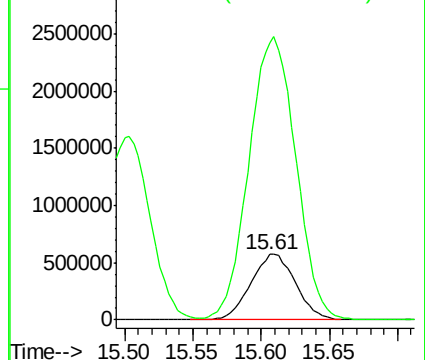
120 100

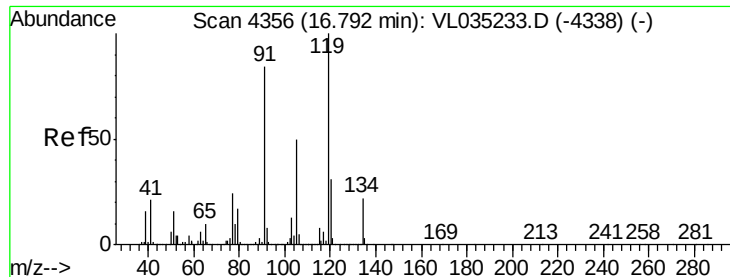
91 453.6 367.5 551.3



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 10.629 ppbv

RT: 16.80 min Scan# 4358

Delta R.T. 0.01 min

Lab File: VL035266.D

Acq: 30 Jul 2020 4:44

Instrument :

MSVOA_L

ClientSampleId :

VL0730ABS01

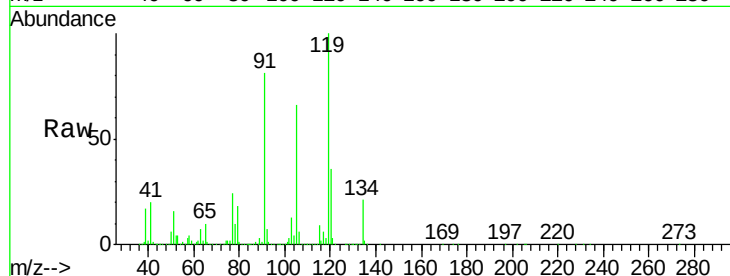
Tot Ion:119 Resp: 4265782

Ion Ratio Lower Upper

119 100

91 84.6 68.0 102.0

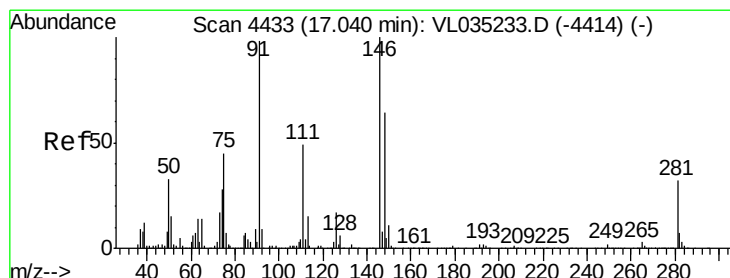
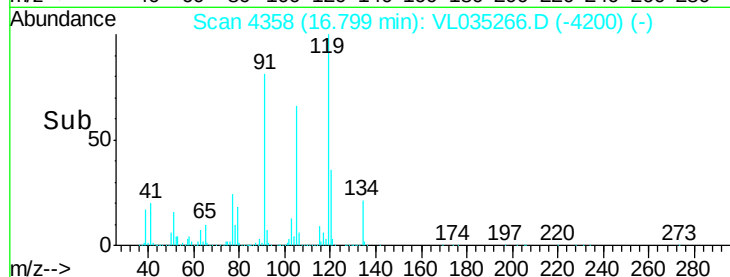
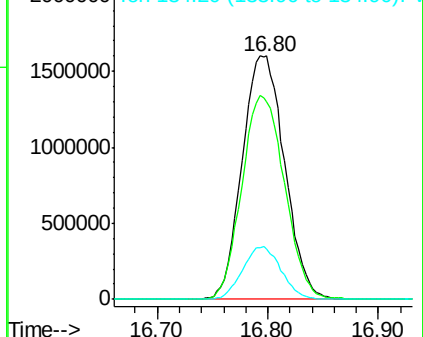
134 19.8 16.3 24.5



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: 10.532 ppbv

RT: 17.04 min Scan# 4433

Delta R.T. 0.00 min

Lab File: VL035266.D

Acq: 30 Jul 2020 4:44

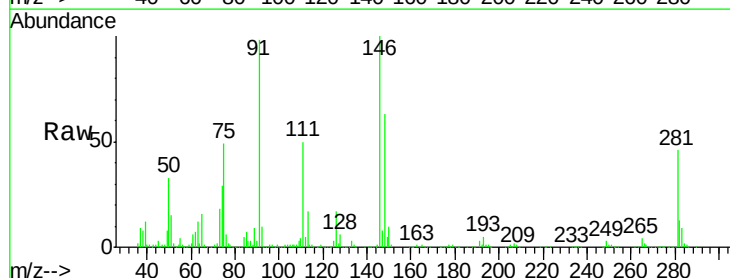
Tgt Ion: 91 Resp: 1655555

Ion Ratio Lower Upper

91 100

126 17.3 14.1 21.1

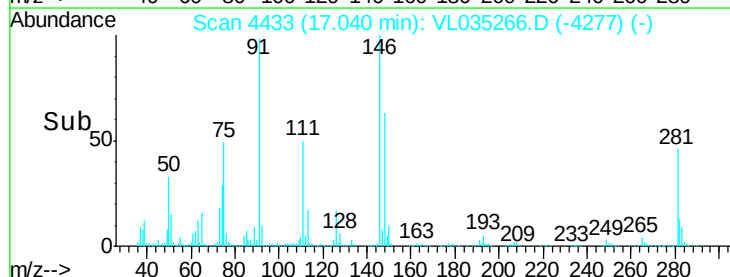
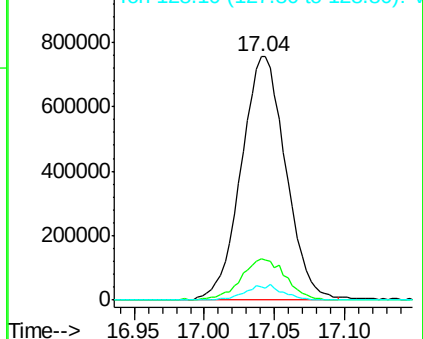
128 5.4 4.4 6.6

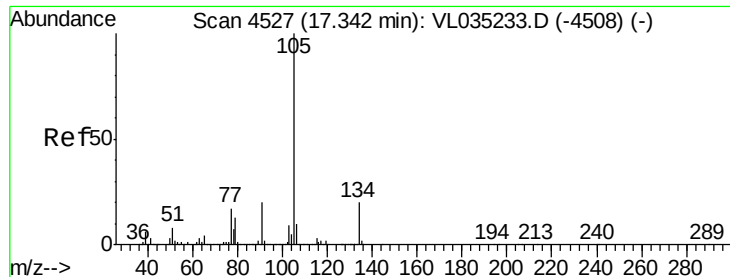


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 10.359 ppbv

RT: 17.35 min Scan# 4528

Delta R.T. 0.00 min

Lab File: VL035266.D

Acq: 30 Jul 2020 4:44

Instrument :

MSVOA_L

ClientSampleId :

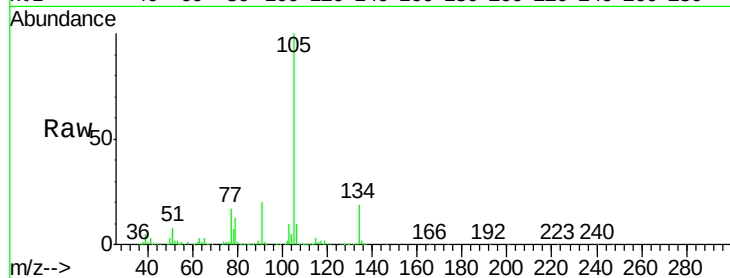
VL0730ABS01

Tot Ion:105 Resp: 6074375

Ion Ratio Lower Upper

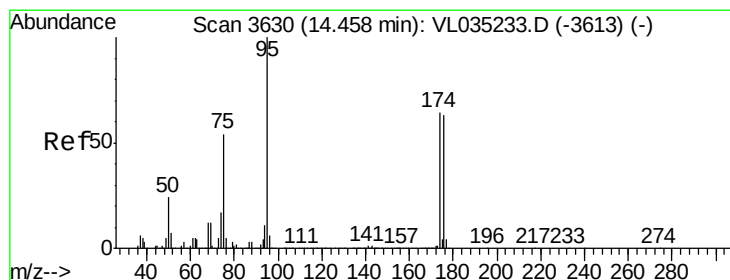
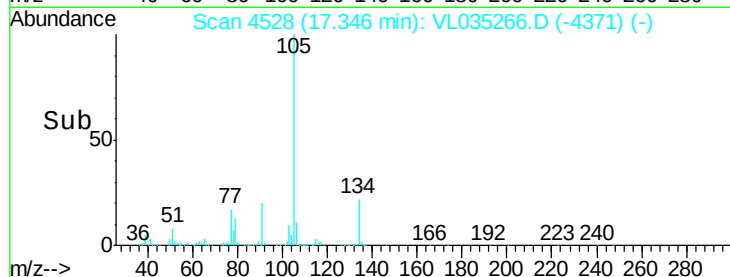
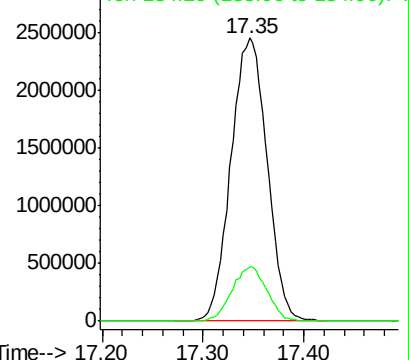
105 100

134 18.6 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: 10.011 ppbv

RT: 14.46 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VL035266.D

Acq: 30 Jul 2020 4:44

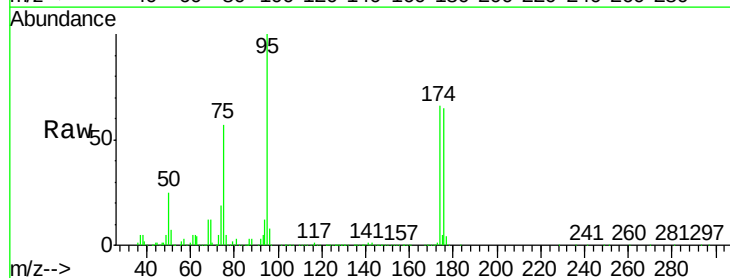
Tgt Ion: 95 Resp: 2420407

Ion Ratio Lower Upper

95 100

174 66.3 52.7 79.1

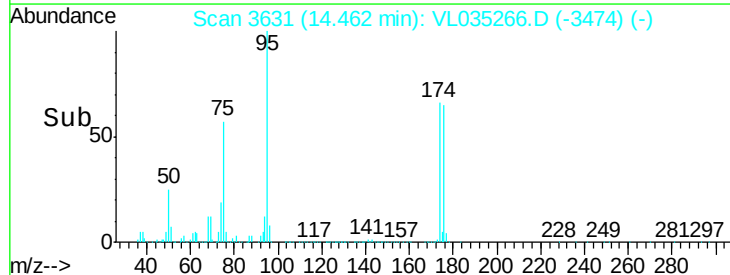
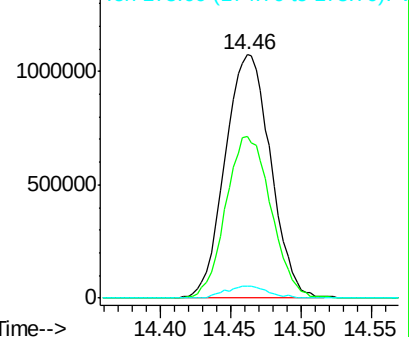
175 4.9 3.9 5.9

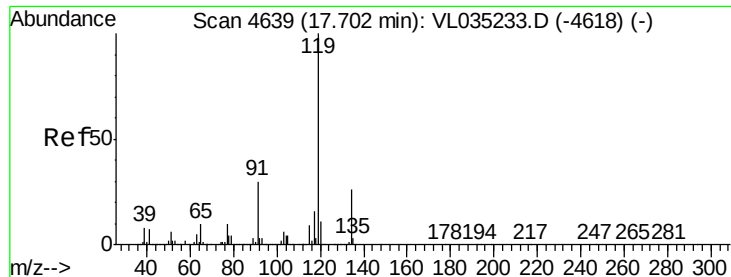


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

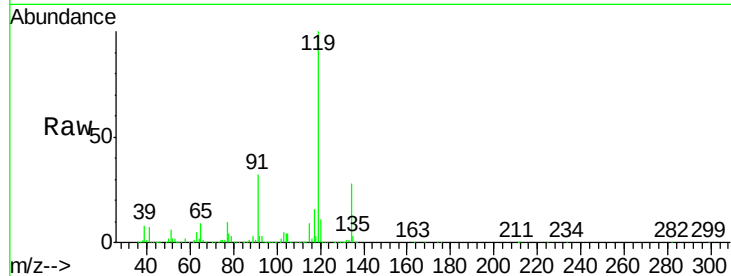




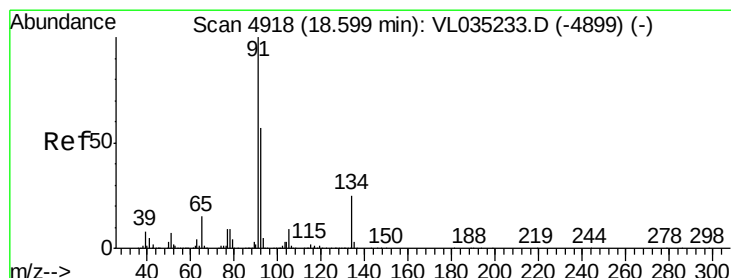
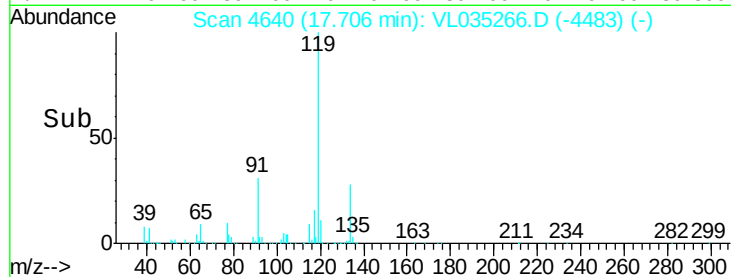
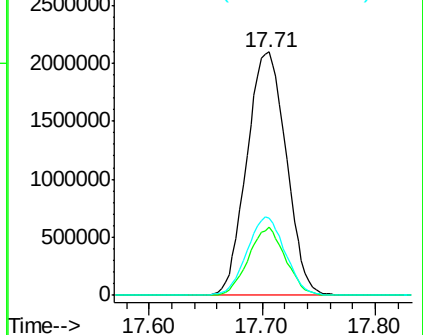
#69
 p-Isopropyltoluene
 Concen: 10.621 ppbv
 RT: 17.71 min Scan# 4640
 Delta R.T. 0.00 min
 Lab File: VL035266.D
 Acq: 30 Jul 2020 4:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0730ABS01

Tot Ion:119 Resp: 5081013
 Ion Ratio Lower Upper
 119 100
 134 26.0 20.8 31.2
 91 30.9 24.7 37.1

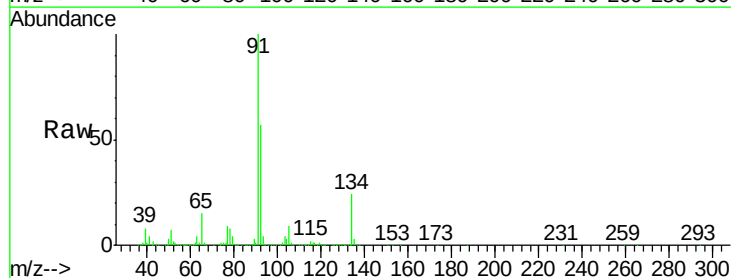


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

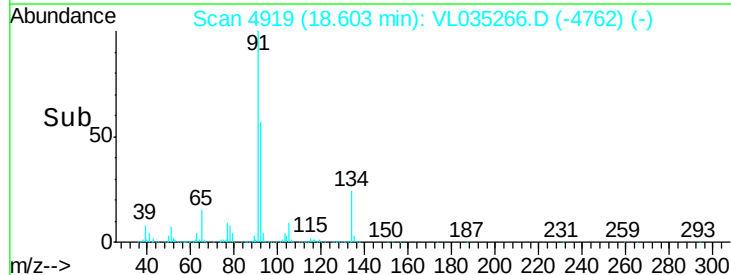
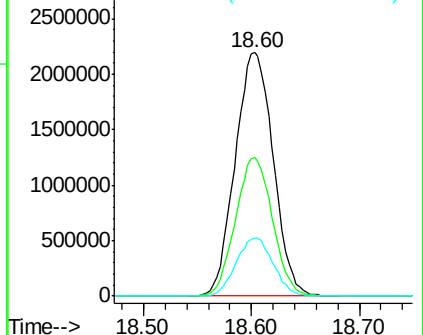


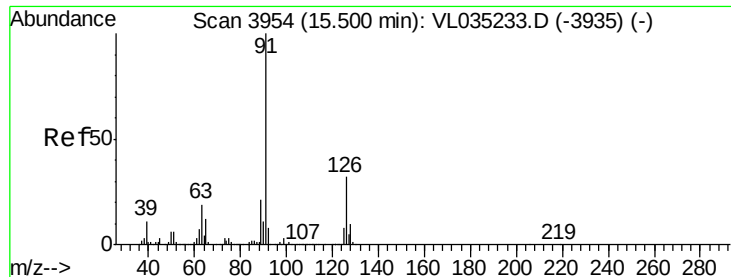
#70
 n-Butylbenzene
 Concen: 10.380 ppbv
 RT: 18.60 min Scan# 4919
 Delta R.T. 0.00 min
 Lab File: VL035266.D
 Acq: 30 Jul 2020 4:44

Tgt Ion: 91 Resp: 5371691
 Ion Ratio Lower Upper
 91 100
 92 55.3 44.9 67.3
 134 23.2 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





#71

2-Chlorotoluene

Concen: 11.105 ppbv

RT: 15.50 min Scan# 3955

Delta R.T. 0.00 min

Lab File: VL035266.D

Acq: 30 Jul 2020 4:44

Instrument :

MSVOA_L

ClientSampleId :

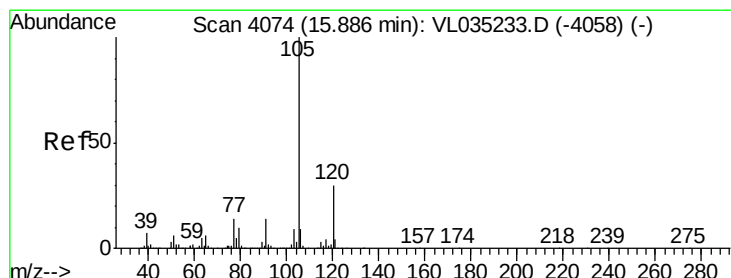
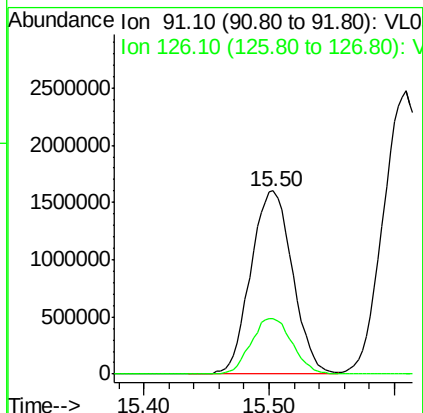
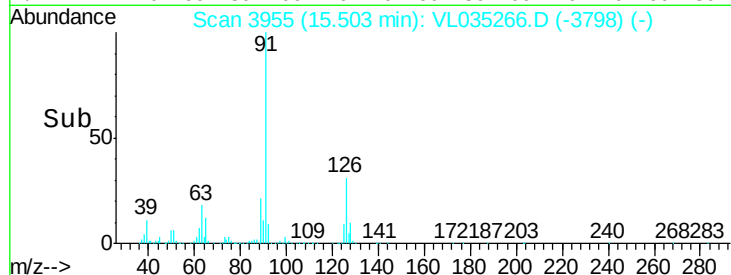
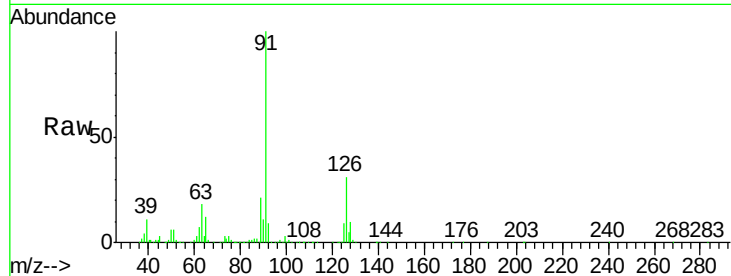
VL0730ABS01

Tot Ion: 91 Resp: 3709711

Ion Ratio Lower Upper

91 100

126 30.2 12.3 49.1



#72

4-Ethyltoluene

Concen: 11.384 ppbv

RT: 15.89 min Scan# 4074

Delta R.T. 0.00 min

Lab File: VL035266.D

Acq: 30 Jul 2020 4:44

Tgt Ion: 105 Resp: 3813780

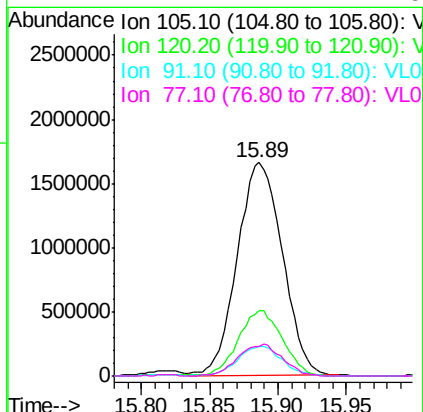
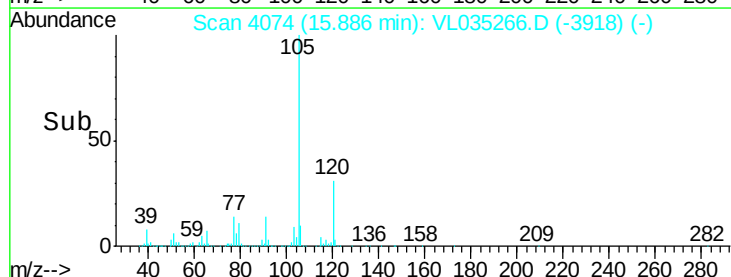
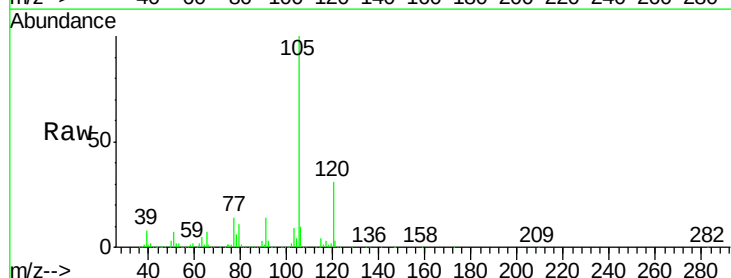
Ion Ratio Lower Upper

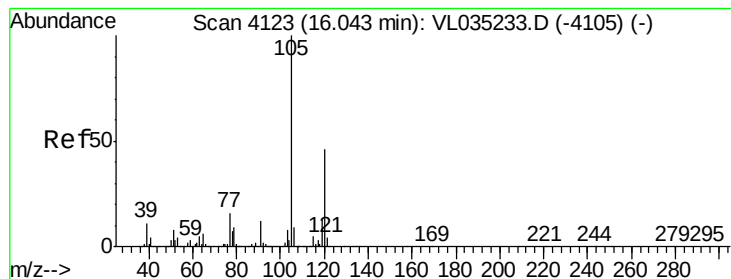
105 100

120 30.7 23.6 35.4

91 13.7 11.0 16.6

77 14.7 11.7 17.5





#73

1,3,5-Trimethylbenzene

Concen: 11.108 ppbv

RT: 16.04 min Scan# 4123

Delta R.T. 0.00 min

Lab File: VL035266.D

Acq: 30 Jul 2020 4:44

Instrument :

MSVOA_L

ClientSampleId :

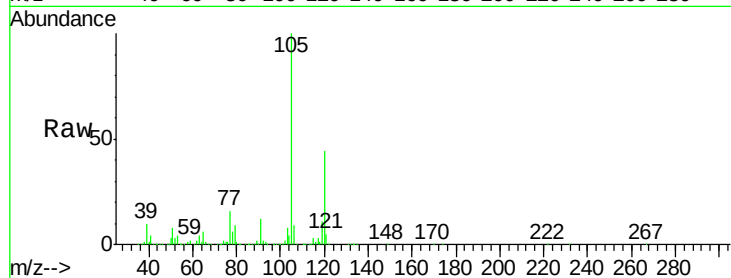
VL0730ABS01

Tot Ion:105 Resp: 3629133

Ion Ratio Lower Upper

105 100

120 44.1 36.8 55.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.04

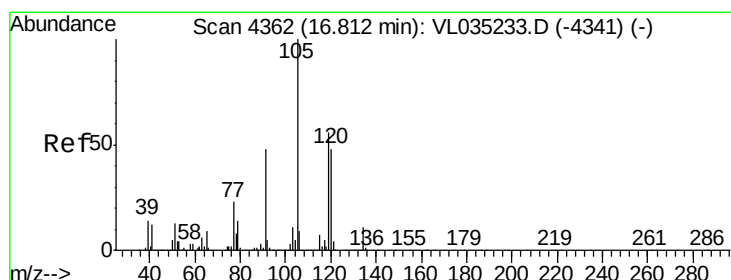
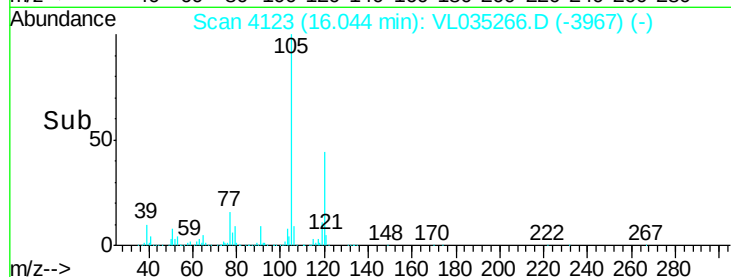
1500000

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 10.082 ppbv

RT: 16.82 min Scan# 4363

Delta R.T. 0.00 min

Lab File: VL035266.D

Acq: 30 Jul 2020 4:44

Tgt Ion:105 Resp: 3834543

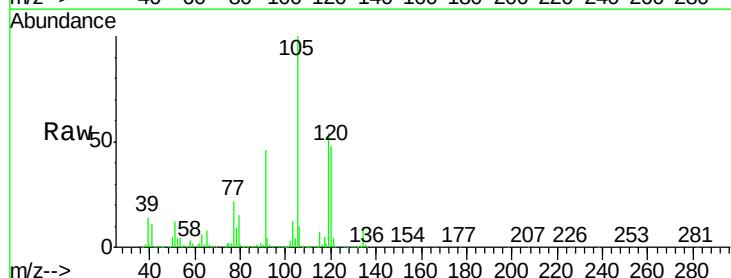
Ion Ratio Lower Upper

105 100

120 47.9 38.8 58.2

91 45.5 38.9 58.3

77 21.9 18.4 27.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

2500000

2000000

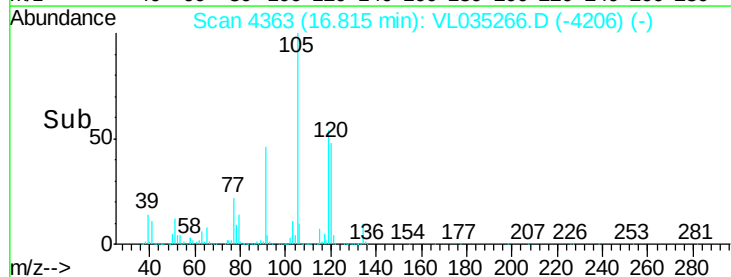
1500000

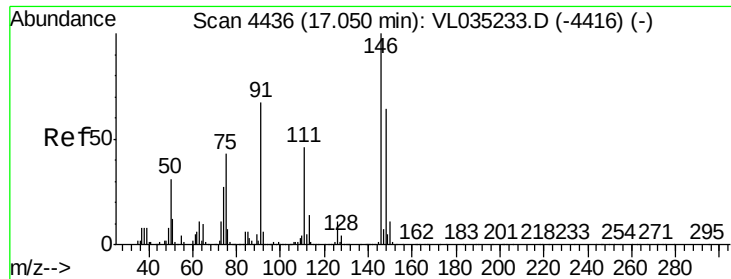
1000000

500000

0

Time-->

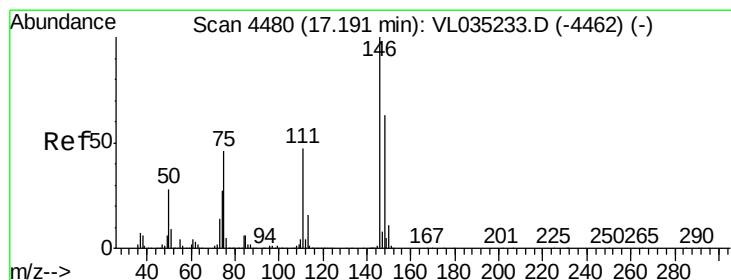
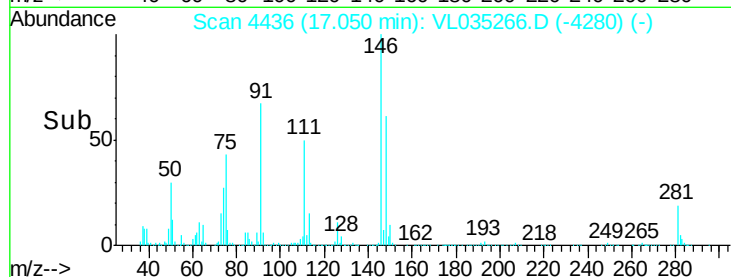
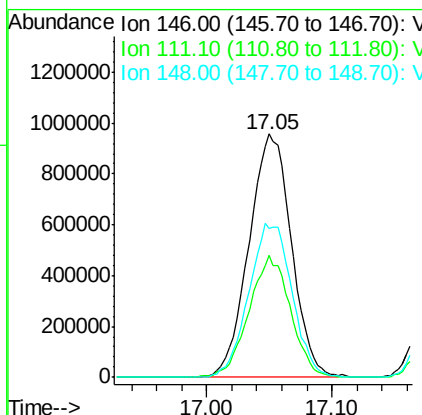
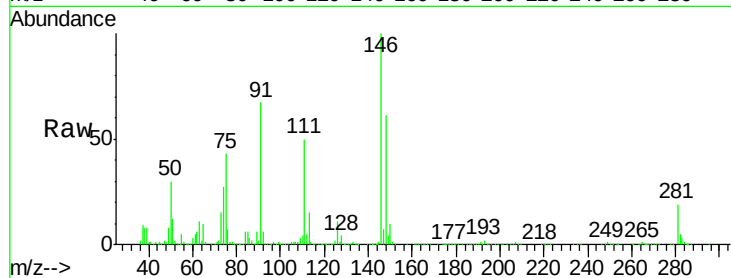




#75
 1,3-Dichlorobenzene
 Concen: 9.176 ppbv
 RT: 17.05 min Scan# 4436
 Delta R.T. 0.00 min
 Lab File: VL035266.D
 Acq: 30 Jul 2020 4:44

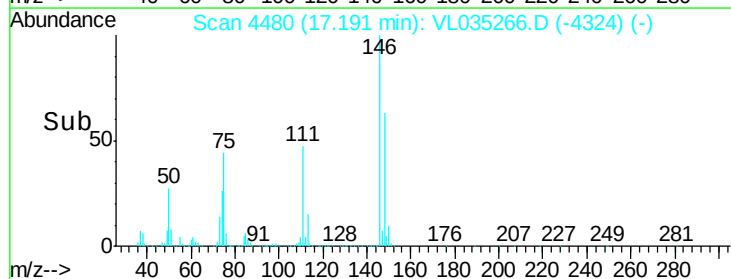
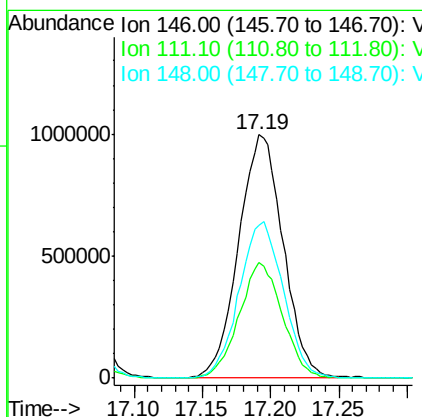
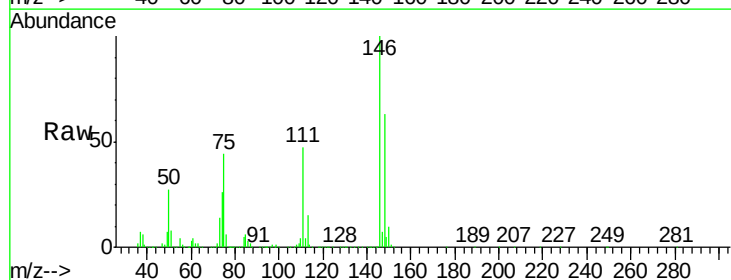
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0730ABS01

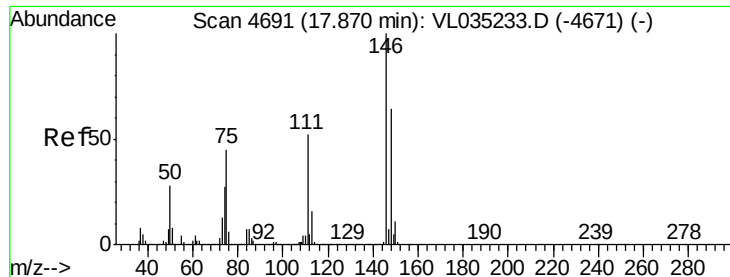
Tot Ion:146 Resp: 2253366
 Ion Ratio Lower Upper
 146 100
 111 49.0 24.4 73.4
 148 64.3 32.1 96.5



#76
 1,4-Dichlorobenzene
 Concen: 10.109 ppbv
 RT: 17.19 min Scan# 4480
 Delta R.T. 0.00 min
 Lab File: VL035266.D
 Acq: 30 Jul 2020 4:44

Tgt Ion:146 Resp: 2245557
 Ion Ratio Lower Upper
 146 100
 111 46.5 23.4 70.2
 148 64.4 32.2 96.6





#77

1,2-Dichlorobenzene

Concen: 9.770 ppbv

RT: 17.87 min Scan# 4692

Delta R.T. 0.00 min

Lab File: VL035266.D

Acq: 30 Jul 2020 4:44

Instrument :

MSVOA_L

ClientSampleId :

VL0730ABS01

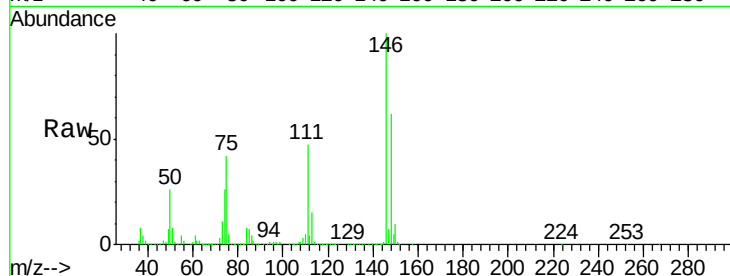
Tot Ion:146 Resp: 2149038

Ion Ratio Lower Upper

146 100

111 49.1 24.6 73.8

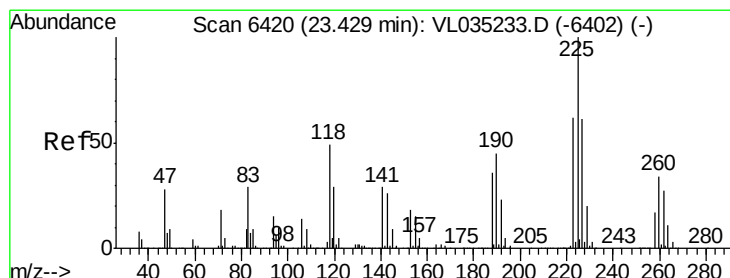
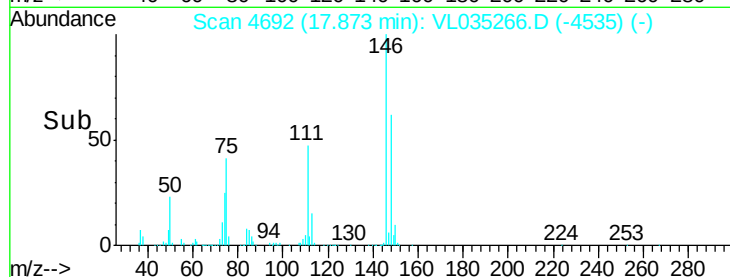
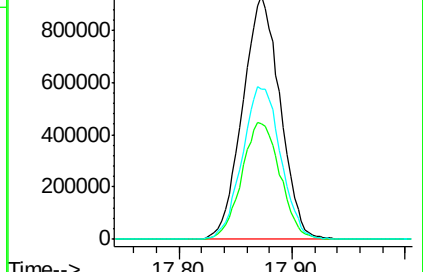
148 64.5 32.0 96.0



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



#78

Hexachloro-1,3-Butadiene

Concen: 7.937 ppbv

RT: 23.43 min Scan# 6420

Delta R.T. 0.00 min

Lab File: VL035266.D

Acq: 30 Jul 2020 4:44

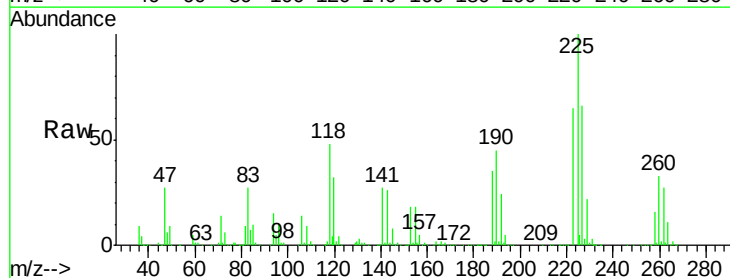
Tgt Ion:225 Resp: 1428994

Ion Ratio Lower Upper

225 100

223 63.5 51.3 76.9

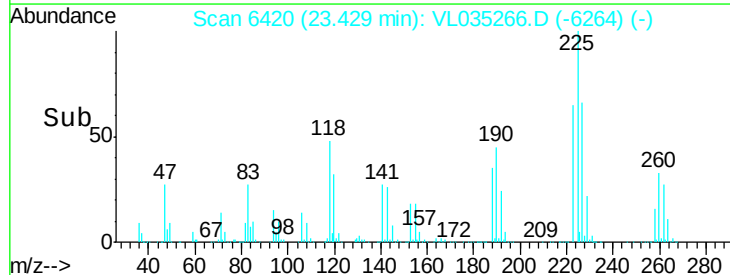
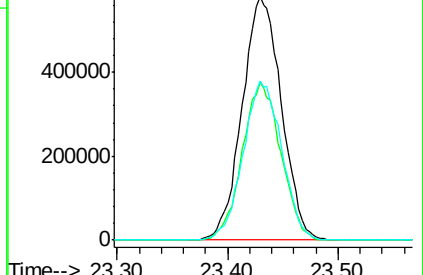
227 64.5 51.4 77.2

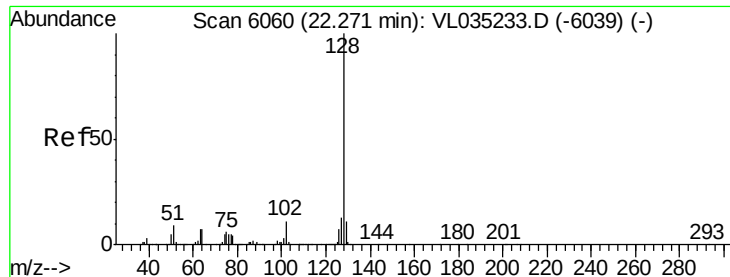


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 10.061 ppbv

RT: 22.27 min Scan# 6060

Delta R.T. 0.00 min

Lab File: VL035266.D

Acq: 30 Jul 2020 4:44

Instrument :

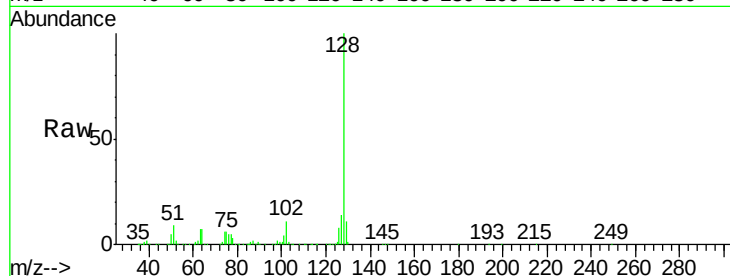
MSVOA_L

ClientSampleId :

VL0730ABS01

Tot Ion:128 Resp: 3042907

Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.4	15.6
129	11.3	8.5	12.7

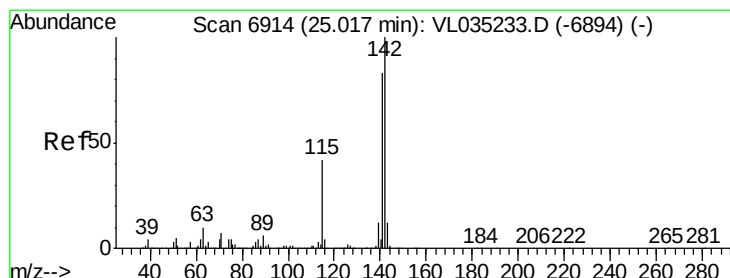
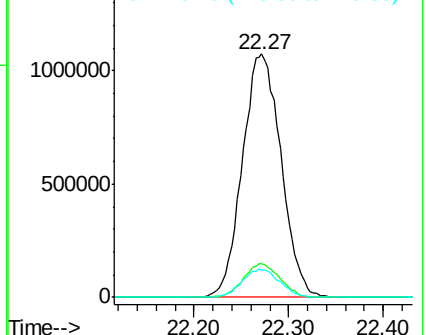
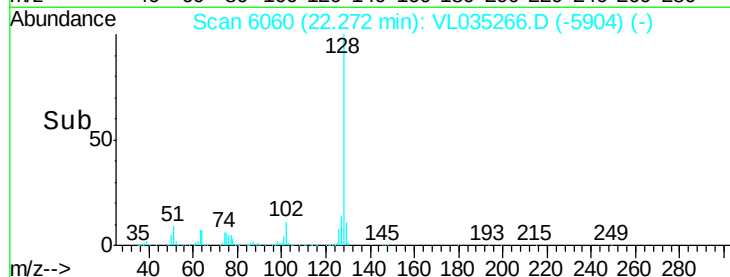


Abundance

Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 9.124 ppbv

RT: 25.02 min Scan# 6916

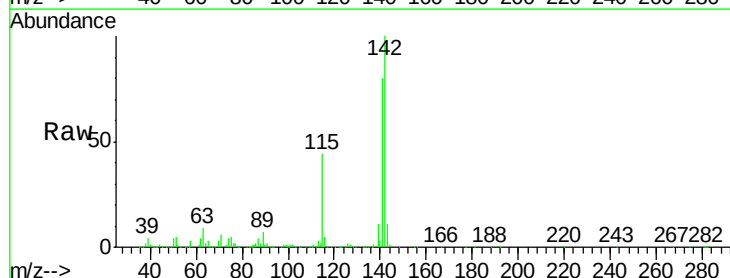
Delta R.T. 0.01 min

Lab File: VL035266.D

Acq: 30 Jul 2020 4:44

Tgt Ion:142 Resp: 893025

Ion	Ratio	Lower	Upper
142	100		
141	83.2	68.6	103.0
115	44.1	34.5	51.7

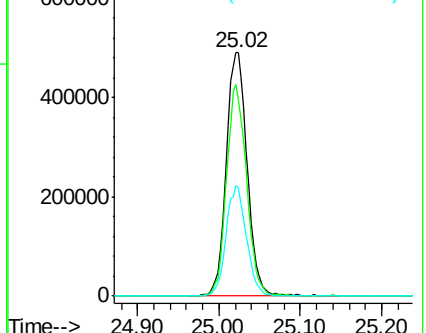
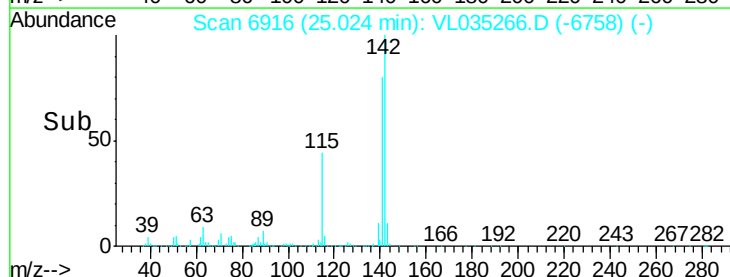


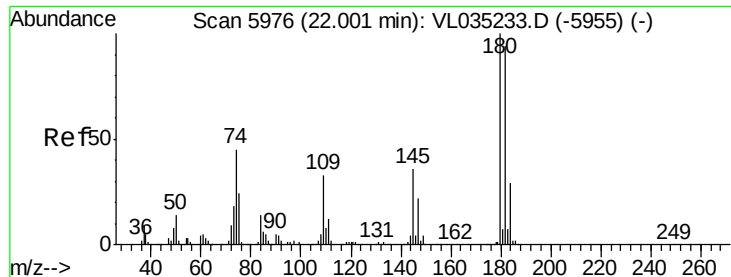
Abundance

Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 9.584 ppbv

RT: 22.00 min Scan# 5976

Delta R.T. 0.00 min

Lab File: VL035266.D

Acq: 30 Jul 2020 4:44

Instrument :

MSVOA_L

ClientSampleId :

VL0730ABS01

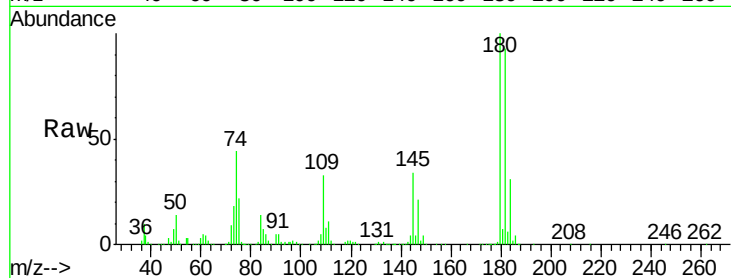
Tot Ion:180 Resp: 1764467

Ion Ratio Lower Upper

180 100

182 95.2 76.7 115.1

184 30.6 24.7 37.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

