

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012720\
 Data File : VL034559.D
 Acq On : 27 Jan 2020 12:59
 Operator : SY/AP
 Sample : VL0127ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jan 28 00:21:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL123019AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 09 03:01:19 2020
 QLast Update : Thu Jan 09 03:01:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1057604	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	2121936	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.14	117	2748500	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.47	95	1831733	7.99	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	79.90%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.02	85	2049124	12.286	ppbv 100
3) Chlorodifluoromethane	2.96	51	1234267	9.795	ppbv 98
4) Chloromethane	3.11	50	652788	8.721	ppbv 96
5) Vinyl Chloride	3.23	62	645091	8.801	ppbv 99
6) Bromomethane	3.45	94	378861	10.384	ppbv 99
7) Chloroethane	3.54	64	248175	9.717	ppbv 95
8) Dichlorotetrafluoroethane	3.16	85	1570977	9.391	ppbv 100
9) Propene	2.98	41	456768	9.402	ppbv 98
10) Heptane	8.15	43	1242163	9.901	ppbv 99
11) Trichlorofluoromethane	3.94	101	1856403	9.618	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1224028	9.970	ppbv 100
13) Ethanol	3.59	45	103445	7.674	ppbv 97
14) Bromoethene	3.72	108	494617	9.962	ppbv 99
15) Acetone	3.84	43	1306583	8.465	ppbv 99
16) 1,3-Butadiene	3.30	39	590907	9.954	ppbv 99
17) tert-Butyl alcohol	4.28	59	960050	7.768	ppbv 99
18) 1,1-Dichloroethene	4.28	96	539109	10.081	ppbv 93
19) Isopropyl Alcohol	3.96	45	728549	7.292	ppbv # 99
20) Methylene Chloride	4.34	84	467346	7.695	ppbv 98
21) Allyl Chloride	4.40	41	881073	9.932	ppbv 98
22) trans-1,2-Dichloroethene	4.89	96	535389	9.843	ppbv 89
23) Vinyl Acetate	5.08	43	1767412	9.918	ppbv 99
24) 1,1-Dichloroethane	5.01	63	1340520	9.364	ppbv 99
25) Ethyl Acetate	5.69	43	2215734	9.192	ppbv 100
26) Hexane	5.69	57	981791	9.667	ppbv 96
27) Carbon Disulfide	4.55	76	1359022	10.586	ppbv 98
28) Methyl tert-Butyl Ether	5.03	73	1714692	10.108	ppbv 100
29) Chloroform	5.77	83	1660921	9.451	ppbv 98
30) Cyclohexane	7.16	84	786304	10.416	ppbv 96
31) cis-1,2-Dichloroethene	5.56	61	1029242	9.944	ppbv 95
32) 1,1,1-Trichloroethane	6.53	97	1756681	9.630	ppbv 99
34) 2-Butanone	5.25	43	1434038	9.457	ppbv 99
35) Carbon Tetrachloride	7.04	117	1877303	9.755	ppbv 98
36) Benzene	6.92	78	1831613	9.902	ppbv 100
37) 1,2-Dichloroethane	6.33	62	1449965	9.653	ppbv 99
38) Trichloroethene	7.87	130	761293	10.189	ppbv 97
39) 1,2-Dichloropropane	7.65	63	753612	9.908	ppbv 95
40) 1,4-Dioxane	7.86	88	257231	8.356	ppbv # 96
41) Tetrahydrofuran	6.06	42	784839	10.090	ppbv 98
42) Bromodichloromethane	7.83	83	1842914	9.971	ppbv 97
43) Methyl Methacrylate	8.04	69	788817	10.455	ppbv 98

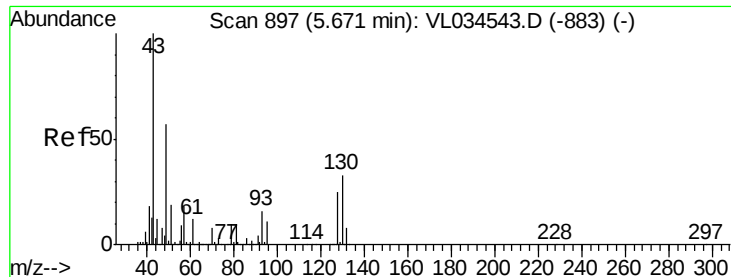
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012720\
 Data File : VL034559.D
 Acq On : 27 Jan 2020 12:59
 Operator : SY/AP
 Sample : VL0127ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
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Quant Time: Jan 28 00:21:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL123019AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jan 09 03:01:19 2020
 QLast Update : Thu Jan 09 03:01:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.90	57	3288085	9.610	ppbv	99
45) t-1,3-Dichloropropene	9.32	75	1054017	10.844	ppbv	97
46) cis-1,3-Dichloropropene	8.74	75	1179481	10.616	ppbv	99
47) 1,1,2-Trichloroethane	9.52	97	805484	9.607	ppbv	97
48) Dibromochloromethane	10.35	129	1570008	10.802	ppbv	99
49) Bromoform	13.10	173	1392639	10.584	ppbv	100
50) 4-Methyl-2-Pentanone	8.77	43	2185886	9.930	ppbv	100
51) 2-Hexanone	10.17	43	1789800	10.073	ppbv #	99
52) Tetrachloroethene	11.27	164	715630	9.914	ppbv	90
53) Toluene	9.85	91	2155057	10.605	ppbv	100
54) 1,2-Dibromoethane	10.66	107	1288210	10.558	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.18	131	1075471	8.106	ppbv	94
57) Chlorobenzene	12.20	112	1732302	7.639	ppbv	97
58) Ethyl Benzene	12.76	91	3025978	8.164	ppbv	98
59) m/p-Xylene	13.05	91	2693569	8.310	ppbv #	39
60) o-Xylene	13.74	91	2632900	8.095	ppbv	100
61) Styrene	13.58	104	1828037	8.220	ppbv	99
62) Isopropylbenzene	14.73	105	3406336	8.006	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.73	83	1885163	7.225	ppbv	99
64) n-propylbenzene	15.62	120	896877	8.256	ppbv	100
65) tert-Butylbenzene	16.81	119	3139291	8.167	ppbv	99
66) Benzyl Chloride	17.06	91	1574700	9.348	ppbv	99
67) sec-Butylbenzene	17.36	105	4327382	8.017	ppbv	100
69) p-Isopropyltoluene	17.72	119	3625944	8.282	ppbv	100
70) n-Butylbenzene	18.61	91	3855932	8.163	ppbv	99
71) 2-Chlorotoluene	15.52	91	2698549	8.168	ppbv	99
72) 4-Ethyltoluene	15.90	105	2977311	8.180	ppbv	99
73) 1,3,5-Trimethylbenzene	16.06	105	1753544	4.911	ppbv	96
74) 1,2,4-Trimethylbenzene	16.82	105	3012656	7.887	ppbv	97
75) 1,3-Dichlorobenzene	17.06	146	1699490	7.428	ppbv	99
76) 1,4-Dichlorobenzene	17.21	146	1672770	7.594	ppbv	98
77) 1,2-Dichlorobenzene	17.89	146	1653422	7.690	ppbv	98
78) Hexachloro-1,3-Butadiene	23.45	225	1363491	6.681	ppbv	100
79) Naphthalene	22.28	128	2357566	8.194	ppbv	98
80) Naphthalene, 2-methyl-	25.03	142	494375	6.203	ppbv #	92
81) 1,2,4-Trichlorobenzene	22.01	180	1382113	7.378	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.00 min

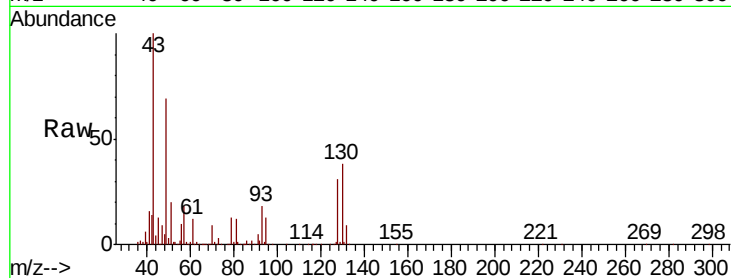
Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 49 Resp: 1057604

Ion	Ratio	Lower	Upper
49	100		
128	45.7	22.4	67.2
130	57.6	28.3	85.0



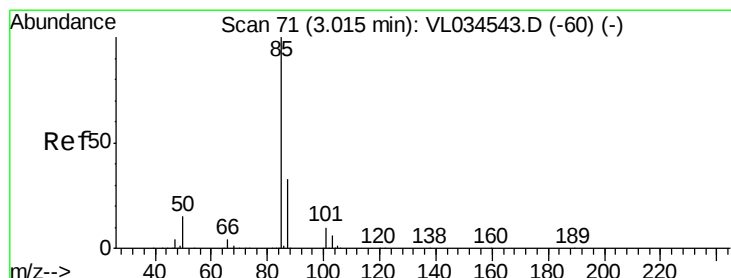
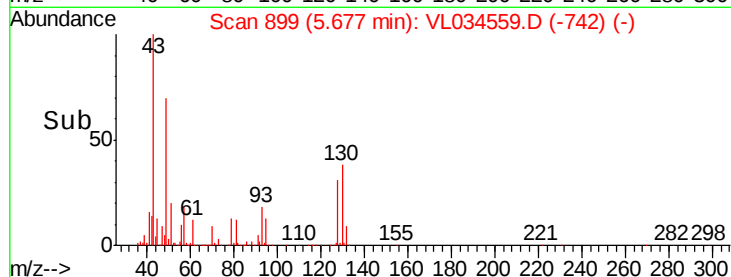
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

5.68

Time-->



#2

Dichlorodifluoromethane

Concen: 12.286 ppbv

RT: 3.02 min Scan# 73

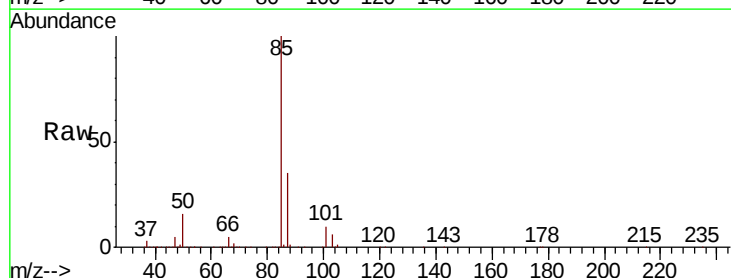
Delta R.T. 0.01 min

Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

Tgt Ion: 85 Resp: 2049124

Ion	Ratio	Lower	Upper
85	100		
87	34.8	27.9	41.9

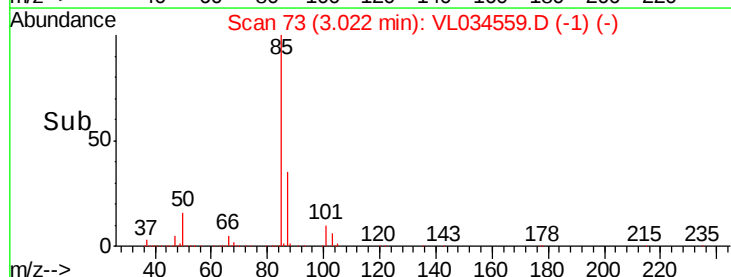


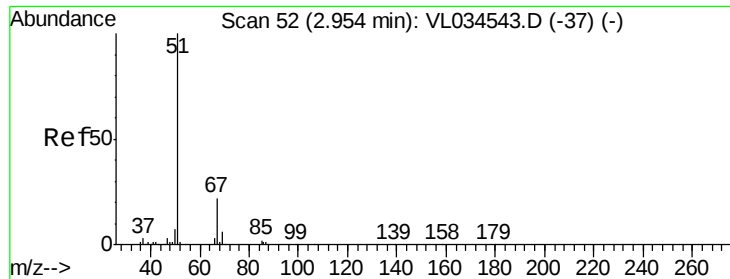
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.02

Time-->





#3

Chlorodifluoromethane

Concen: 9.795 ppbv

RT: 2.96 min Scan# 54

Delta R.T. 0.01 min

Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

Instrument :

MSVOA_L

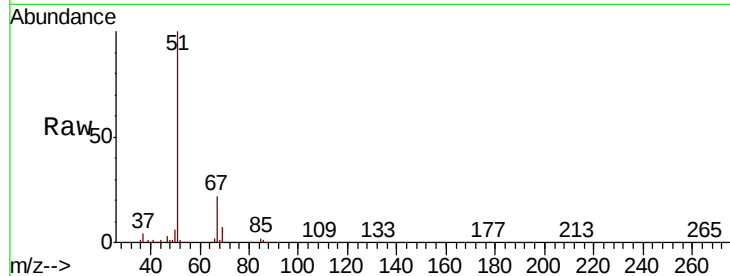
ClientSampleId :

Tot Ion: 51 Resp: 1234267

Ion Ratio Lower Upper

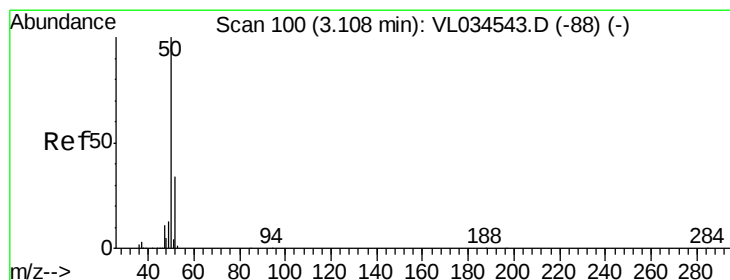
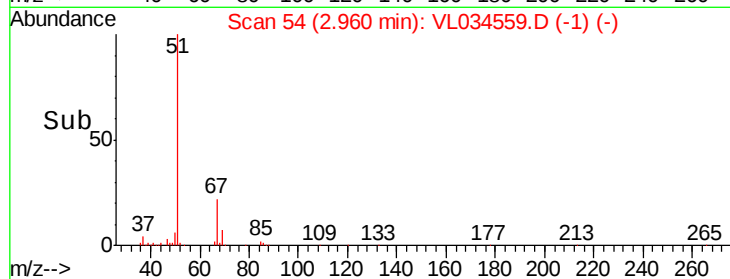
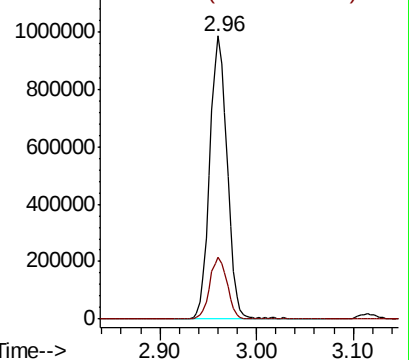
51 100

67 22.0 16.8 25.2



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.721 ppbv

RT: 3.11 min Scan# 102

Delta R.T. 0.01 min

Lab File: VL034559.D

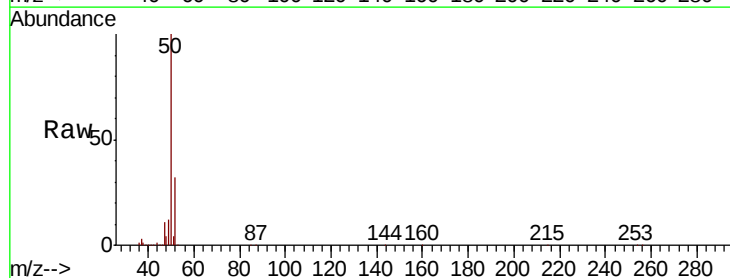
Acq: 27 Jan 2020 12:59

Tgt Ion: 50 Resp: 652788

Ion Ratio Lower Upper

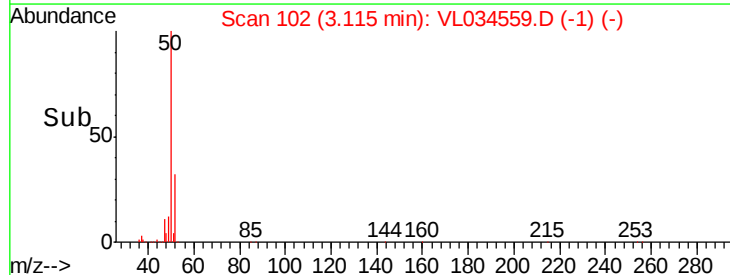
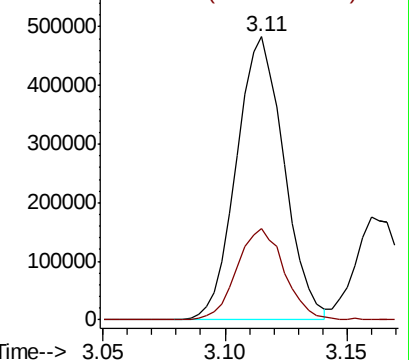
50 100

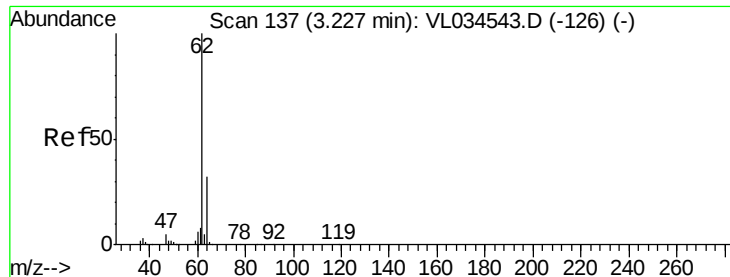
52 32.5 27.6 41.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.801 ppbv

RT: 3.23 min Scan# 139

Delta R.T. 0.01 min

Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

Instrument :

MSVOA_L

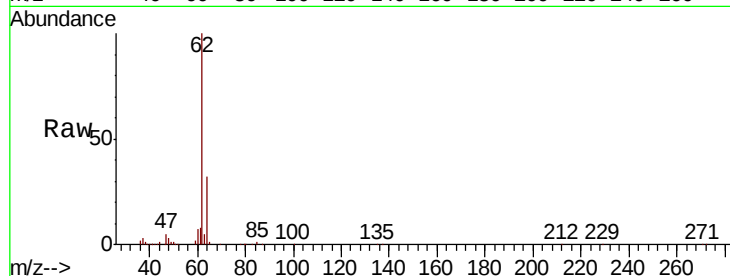
ClientSampled :

Tot Ion: 62 Resp: 645091

Ion Ratio Lower Upper

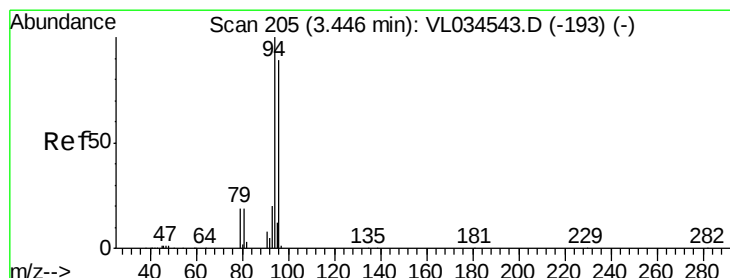
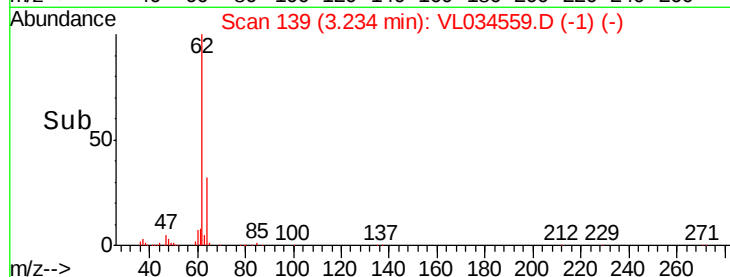
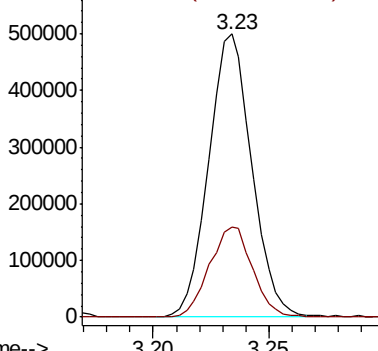
62 100

64 31.7 24.9 37.3



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.384 ppbv

RT: 3.45 min Scan# 207

Delta R.T. 0.01 min

Lab File: VL034559.D

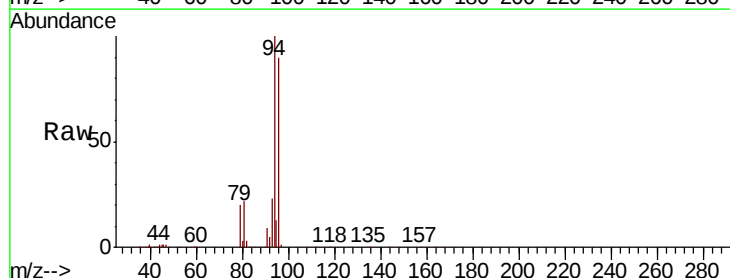
Acq: 27 Jan 2020 12:59

Tgt Ion: 94 Resp: 378861

Ion Ratio Lower Upper

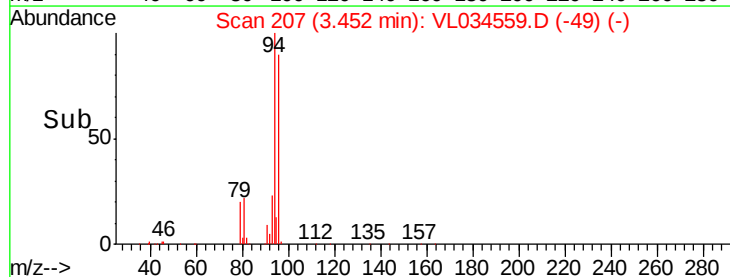
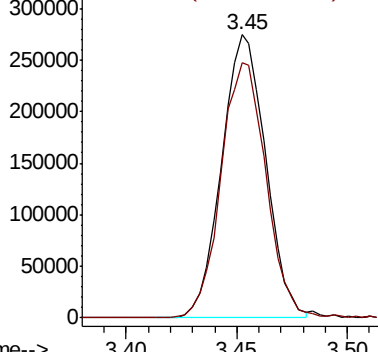
94 100

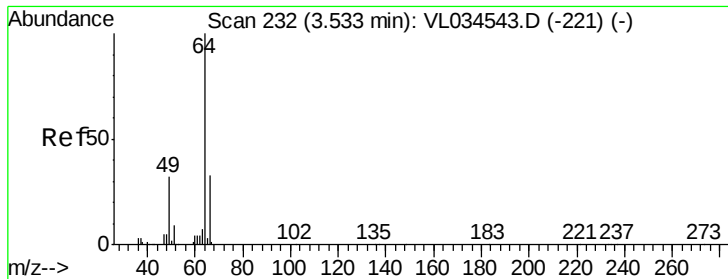
96 90.1 71.2 106.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.717 ppbv

RT: 3.54 min Scan# 234

Delta R.T. 0.01 min

Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

Instrument :

MSVOA_L

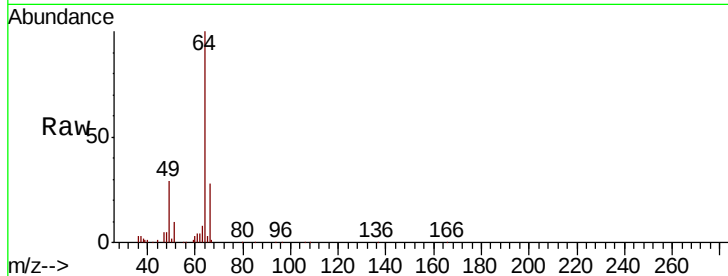
ClientSampleId :

Tot Ion: 64 Resp: 248175

Ion Ratio Lower Upper

64 100

66 28.3 25.0 37.4



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.54

200000

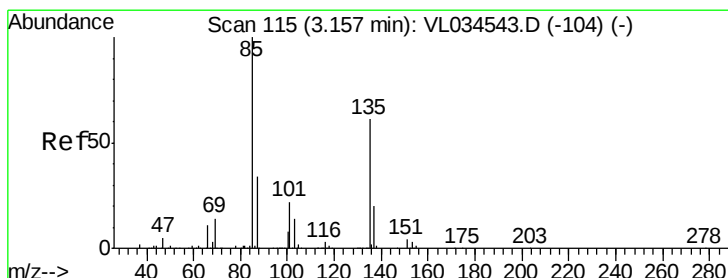
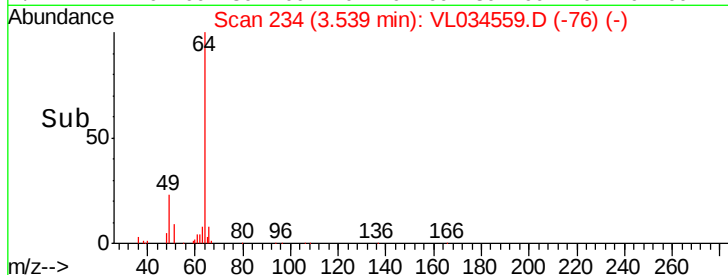
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.391 ppbv

RT: 3.16 min Scan# 117

Delta R.T. 0.01 min

Lab File: VL034559.D

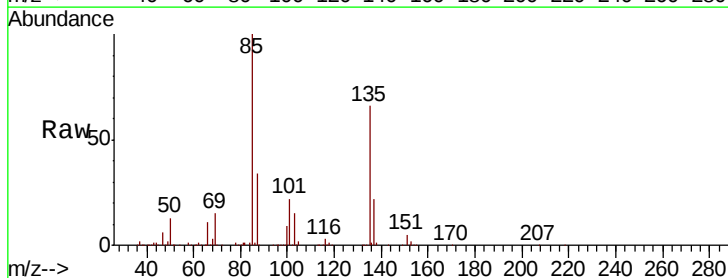
Acq: 27 Jan 2020 12:59

Tgt Ion: 85 Resp: 1570977

Ion Ratio Lower Upper

85 100

135 64.9 51.8 77.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.16

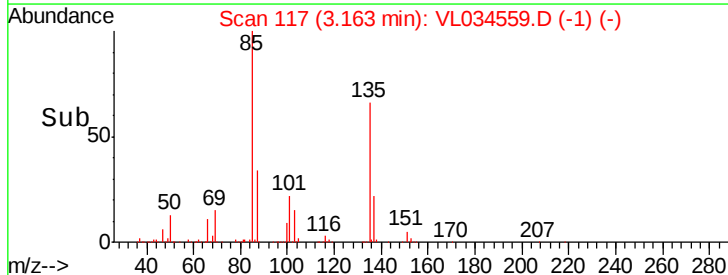
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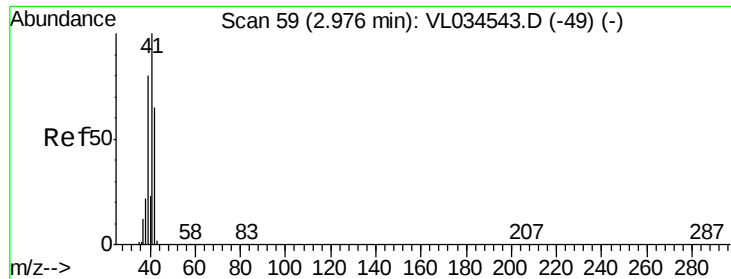
1000000

500000

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Time-->





#9

Propene

Concen: 9.402 ppbv

RT: 2.98 min Scan# 60

Delta R.T. 0.00 min

Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

Instrument :

MSVOA_L

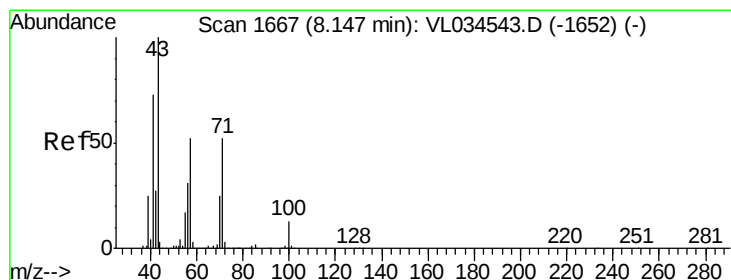
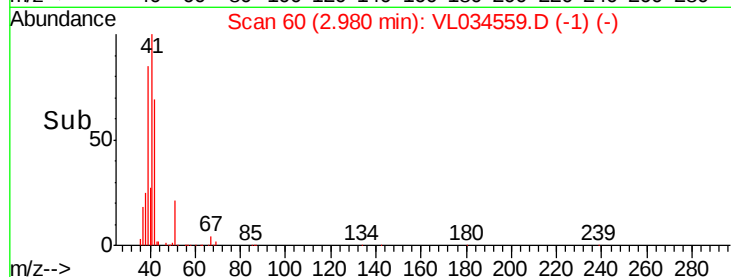
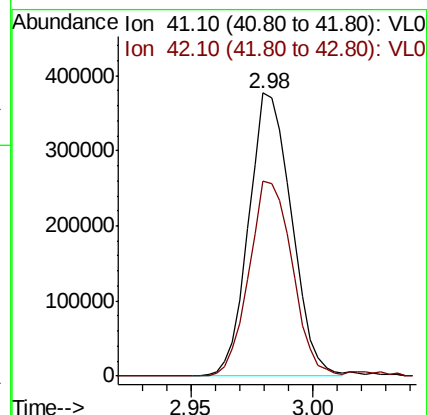
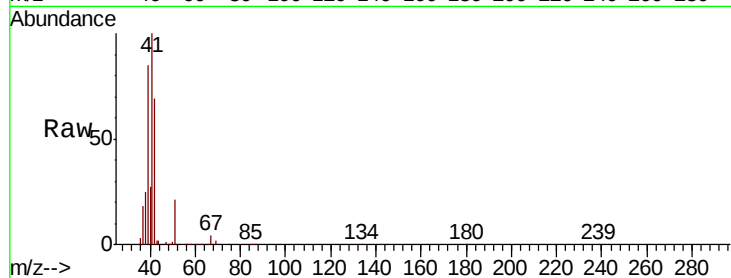
ClientSampleId :

Tot Ion: 41 Resp: 456768

Ion Ratio Lower Upper

41 100

42 71.1 55.8 83.6



#10

Heptane

Concen: 9.901 ppbv

RT: 8.15 min Scan# 1669

Delta R.T. 0.01 min

Lab File: VL034559.D

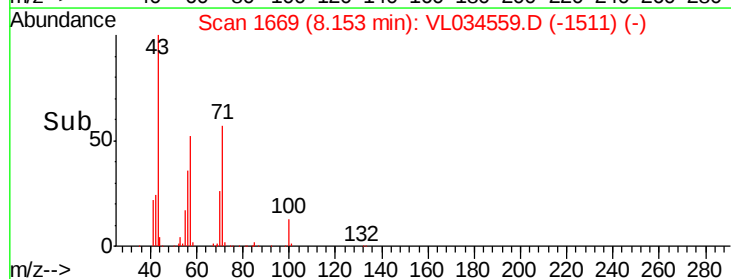
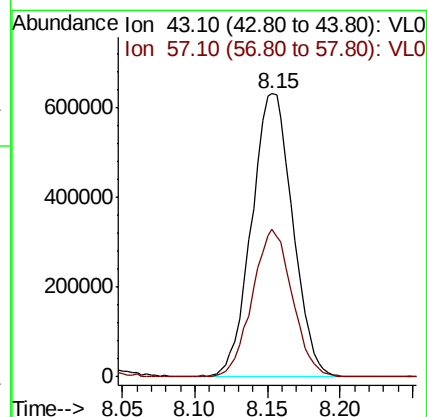
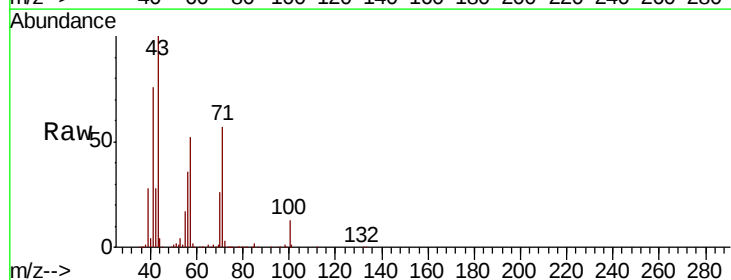
Acq: 27 Jan 2020 12:59

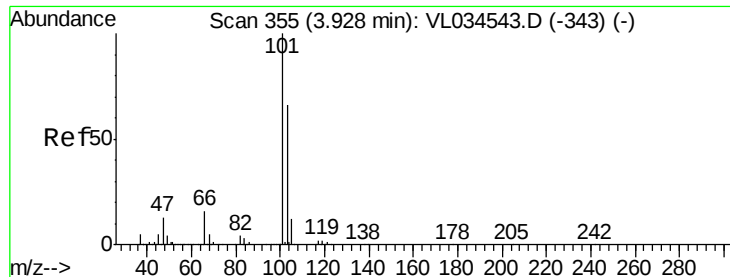
Tgt Ion: 43 Resp: 1242163

Ion Ratio Lower Upper

43 100

57 50.9 41.0 61.6

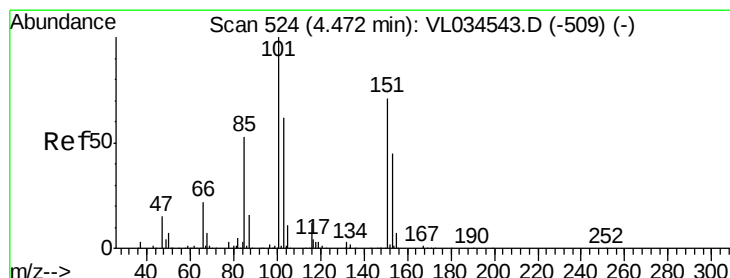
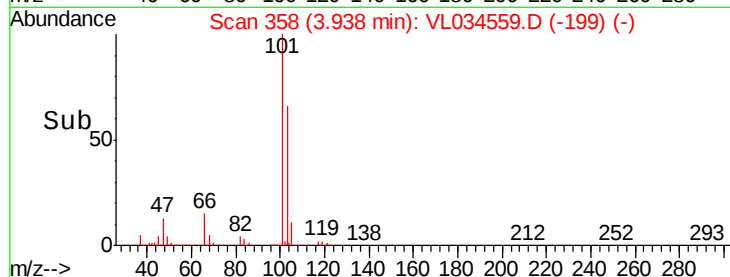
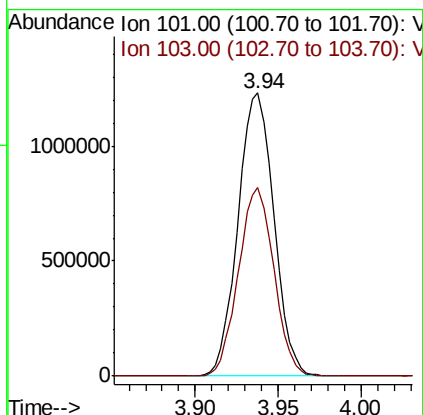
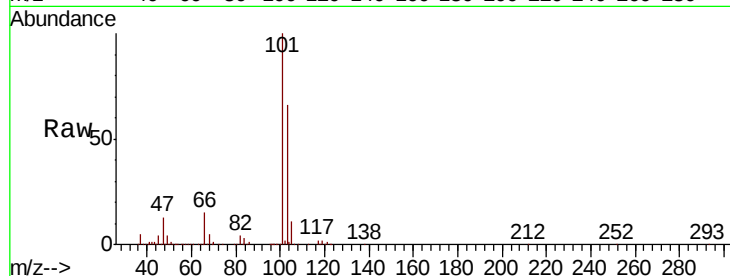




#11
 Trichlorofluoromethane
 Concen: 9.618 ppbv
 RT: 3.94 min Scan# 358
 Delta R.T. 0.01 min
 Lab File: VL034559.D
 Acq: 27 Jan 2020 12:59

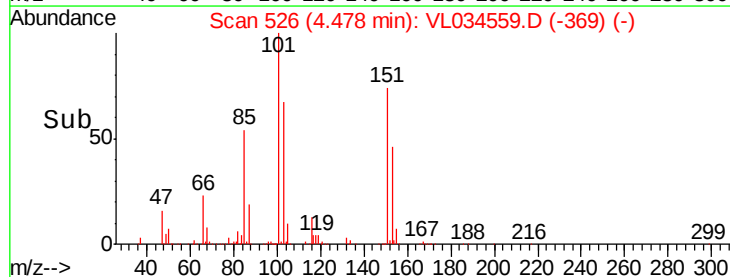
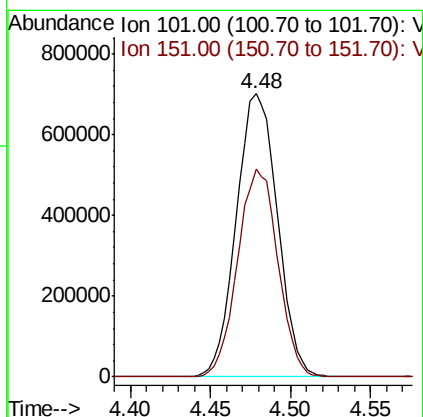
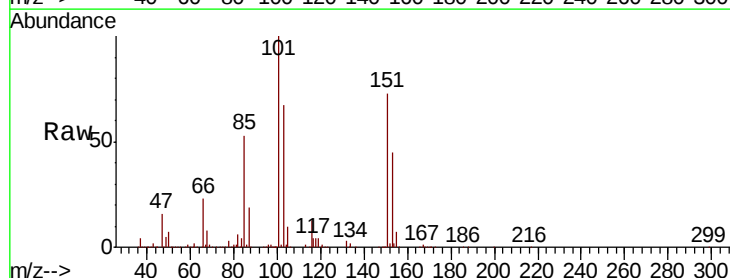
Instrument :
 MSVOA_L
 ClientSampled :

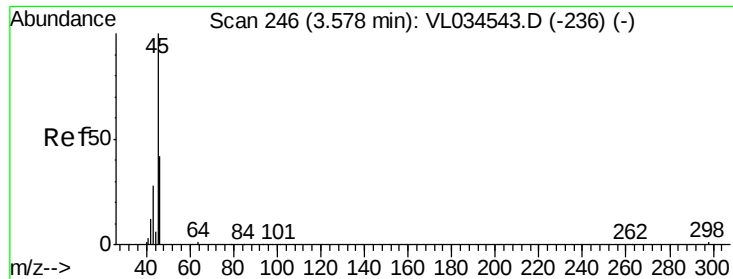
Tot Ion:101 Resp: 1856403
 Ion Ratio Lower Upper
 101 100
 103 66.4 52.1 78.1



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.970 ppbv
 RT: 4.48 min Scan# 526
 Delta R.T. 0.00 min
 Lab File: VL034559.D
 Acq: 27 Jan 2020 12:59

Tgt Ion:101 Resp: 1224028
 Ion Ratio Lower Upper
 101 100
 151 72.2 57.8 86.6

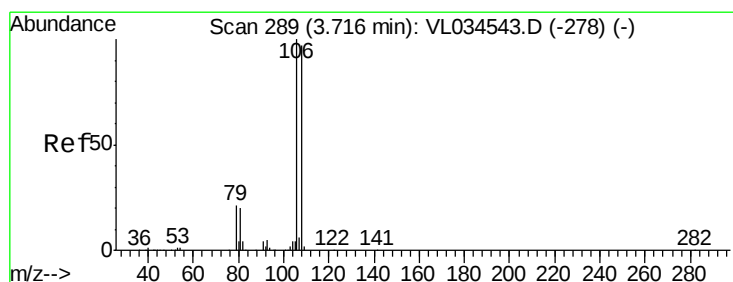
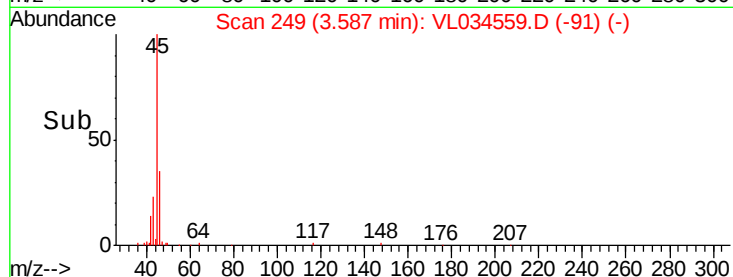
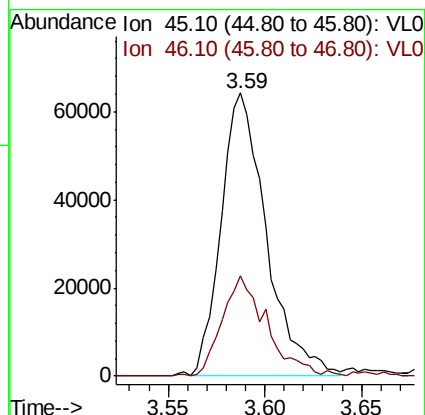
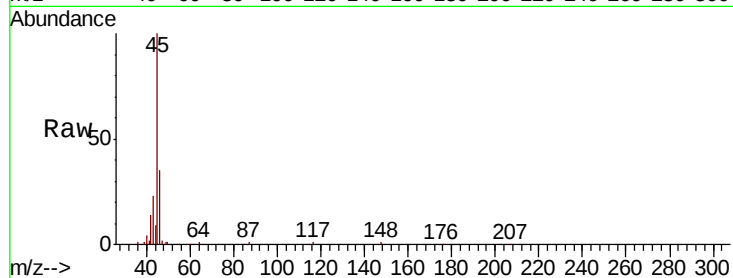




#13
Ethanol
Concen: 7.674 ppbv
RT: 3.59 min Scan# 249
Delta R.T. 0.01 min
Lab File: VL034559.D
Acq: 27 Jan 2020 12:59

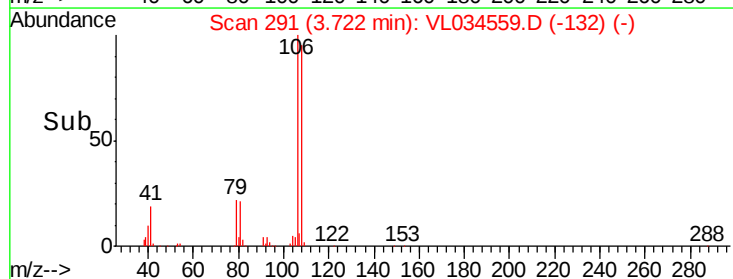
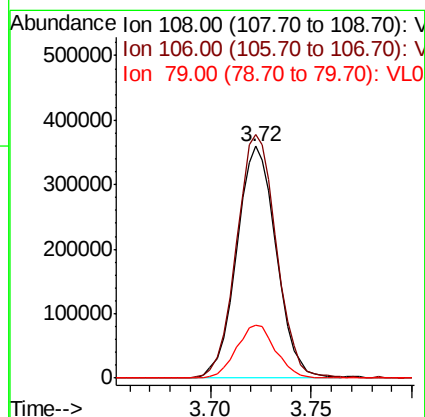
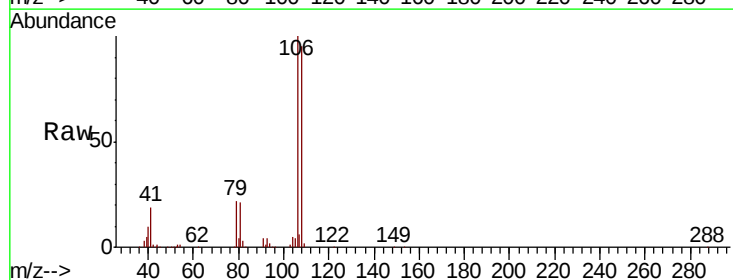
Instrument :
MSVOA_L
ClientSampleId :

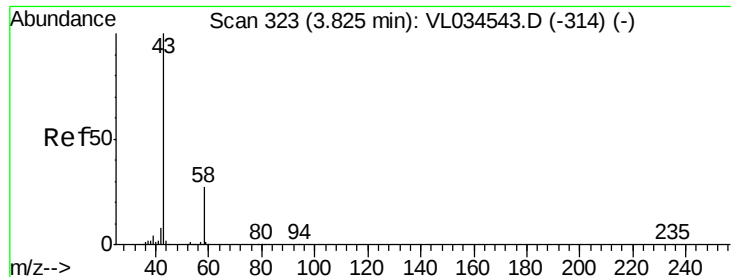
Tot Ion: 45 Resp: 103445
Ion Ratio Lower Upper
45 100
46 35.5 14.9 59.7



#14
Bromoethene
Concen: 9.962 ppbv
RT: 3.72 min Scan# 291
Delta R.T. 0.01 min
Lab File: VL034559.D
Acq: 27 Jan 2020 12:59

Tgt Ion: 108 Resp: 494617
Ion Ratio Lower Upper
108 100
106 106.4 85.2 127.8
79 23.0 17.4 26.2





#15

Acetone

Concen: 8.465 ppbv

RT: 3.84 min Scan# 326

Delta R.T. 0.01 min

Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

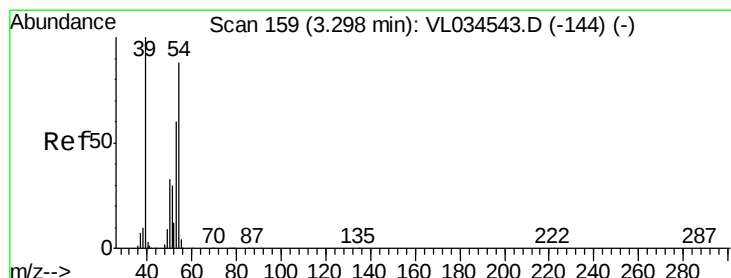
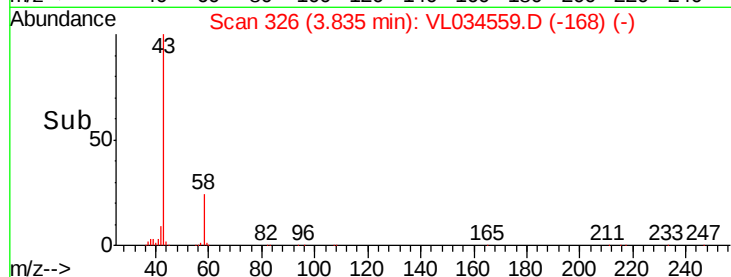
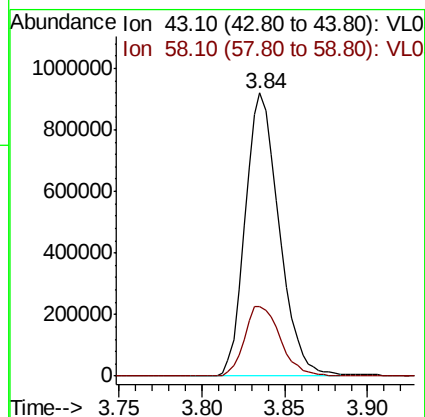
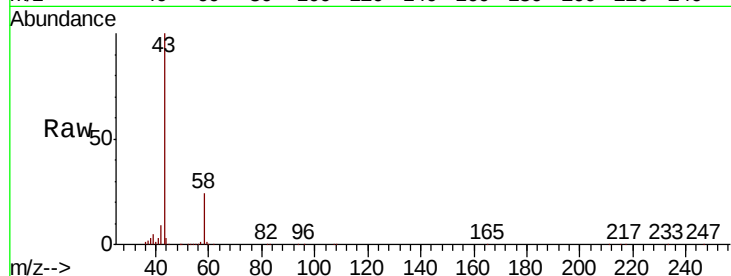
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 1306583

Ion Ratio Lower Upper

43 100

58 26.0 20.4 30.6



#16

1,3-Butadiene

Concen: 9.954 ppbv

RT: 3.30 min Scan# 161

Delta R.T. 0.01 min

Lab File: VL034559.D

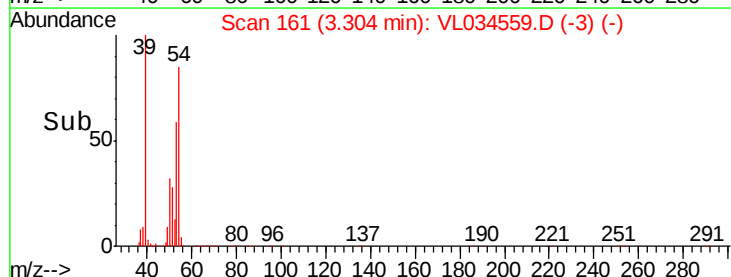
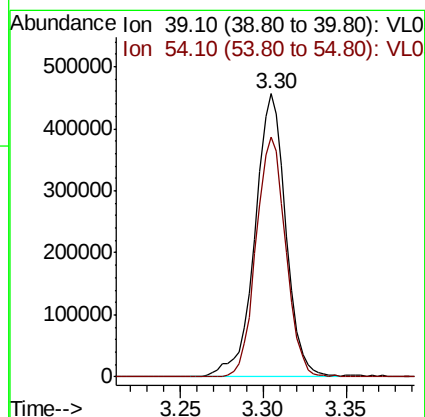
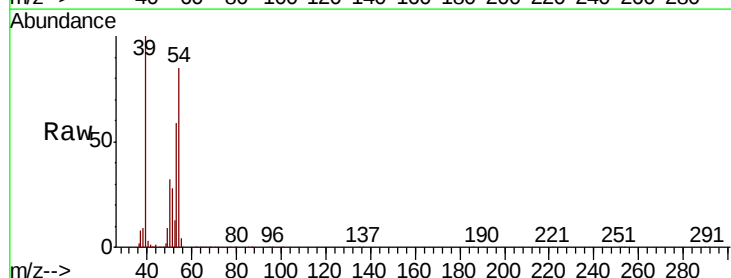
Acq: 27 Jan 2020 12:59

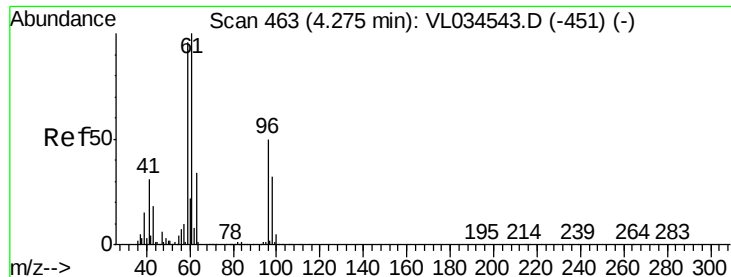
Tgt Ion: 39 Resp: 590907

Ion Ratio Lower Upper

39 100

54 81.7 66.2 99.2



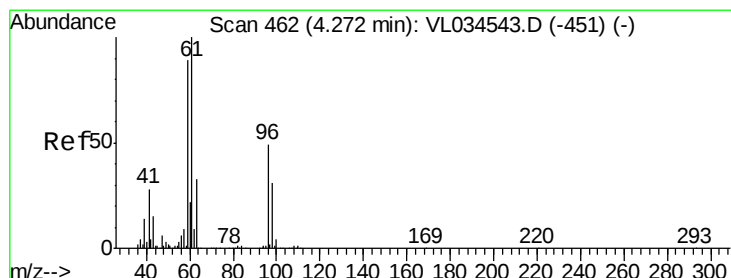
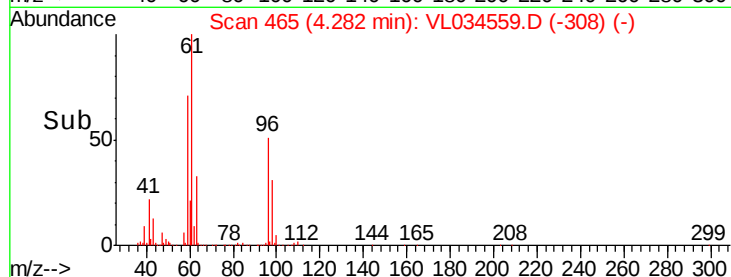
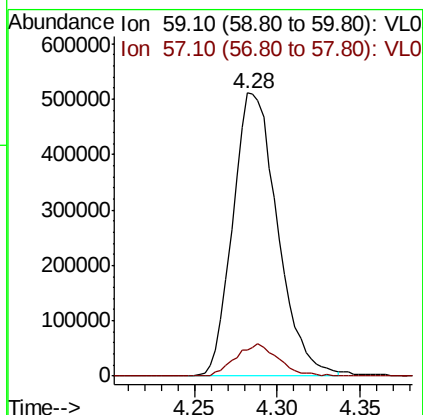
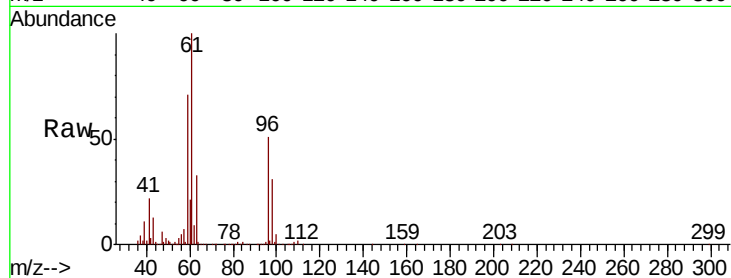


#17

tert-Butyl alcohol
 Concen: 7.768 ppbv
 RT: 4.28 min Scan# 465
 Delta R.T. 0.00 min
 Lab File: VL034559.D
 Acq: 27 Jan 2020 12:59

Instrument :
 MSVOA_L
 ClientSampled :

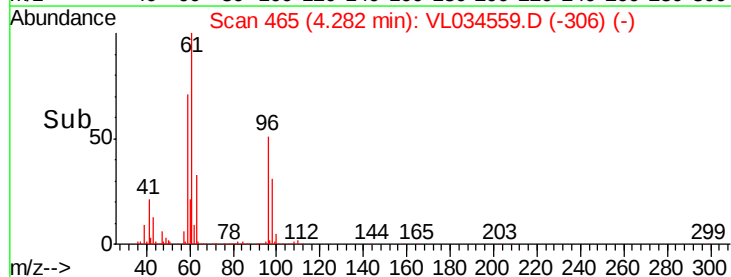
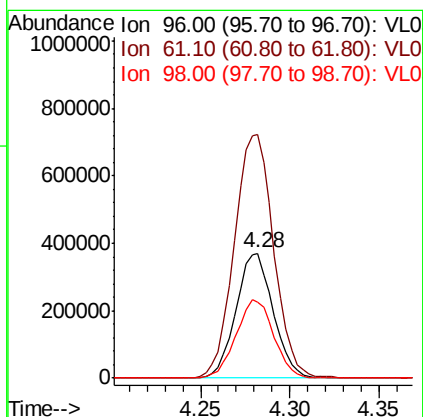
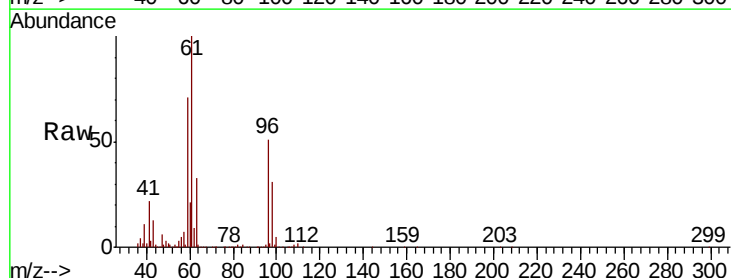
Tot Ion: 59 Resp: 960050
 Ion Ratio Lower Upper
 59 100
 57 11.1 8.6 12.8

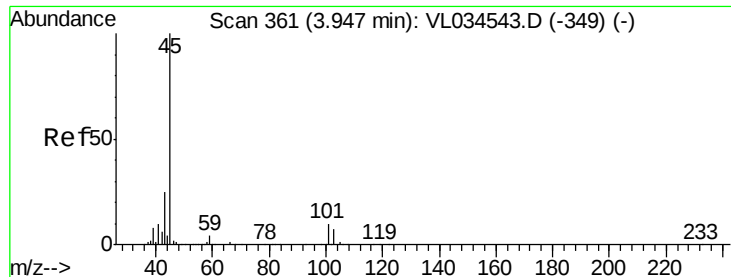


#18

1,1-Dichloroethene
 Concen: 10.081 ppbv
 RT: 4.28 min Scan# 465
 Delta R.T. 0.01 min
 Lab File: VL034559.D
 Acq: 27 Jan 2020 12:59

Tgt Ion: 96 Resp: 539109
 Ion Ratio Lower Upper
 96 100
 61 195.5 165.9 248.9
 98 61.3 51.9 77.9



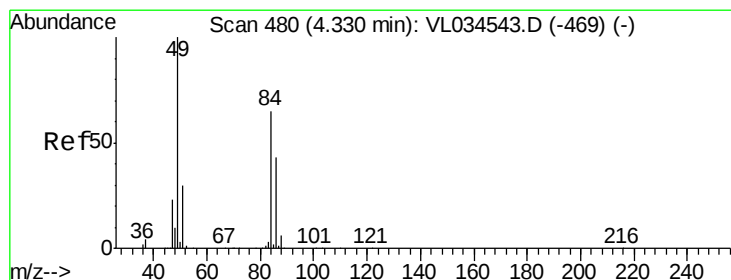
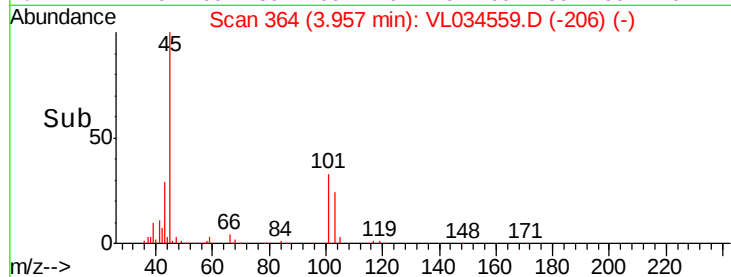
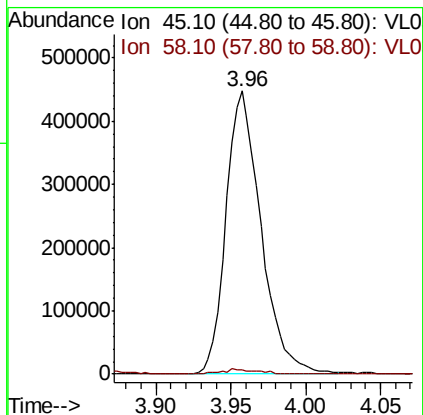
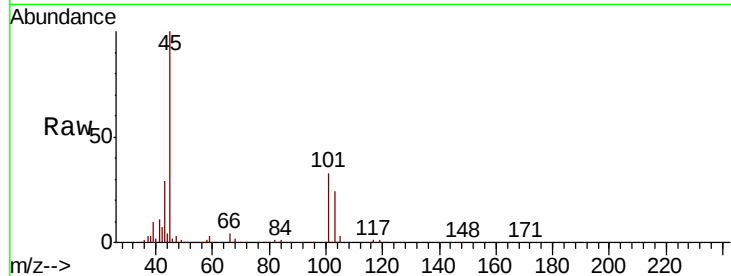


#19

Isopropyl Alcohol
 Concen: 7.292 ppbv
 RT: 3.96 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VL034559.D
 Acq: 27 Jan 2020 12:59

Instrument :
 MSVOA_L
 ClientSampled :

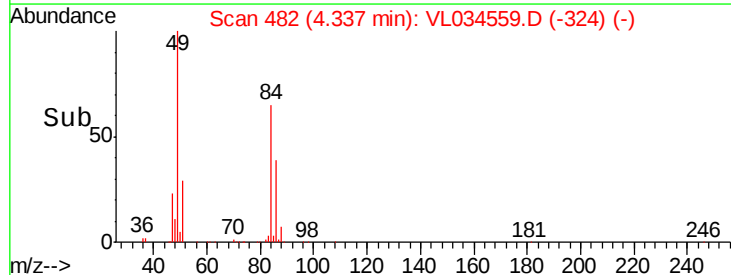
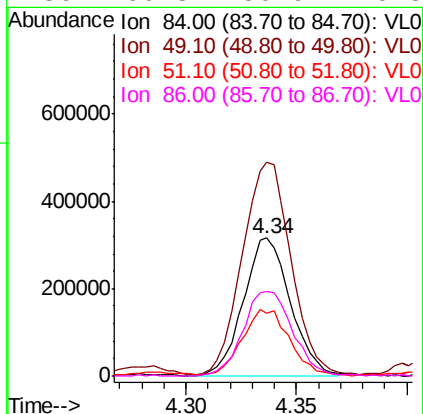
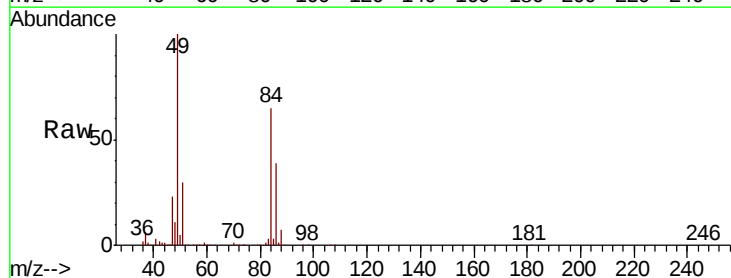
Tot Ion: 45 Resp: 728549
 Ion Ratio Lower Upper
 45 100
 58 2.1 1.4 2.0#

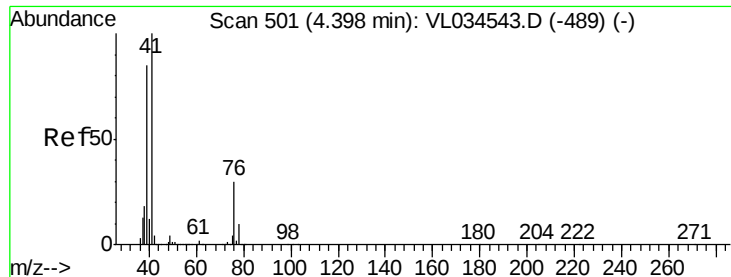


#20

Methylene Chloride
 Concen: 7.695 ppbv
 RT: 4.34 min Scan# 482
 Delta R.T. 0.01 min
 Lab File: VL034559.D
 Acq: 27 Jan 2020 12:59

Tgt Ion: 84 Resp: 467346
 Ion Ratio Lower Upper
 84 100
 49 154.1 124.4 186.6
 51 44.3 37.0 55.6
 86 60.8 50.9 76.3





#21

Allvl Chloride

Concen: 9.932 ppbv

RT: 4.40 min Scan# 503

Delta R.T. 0.01 min

Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

Instrument :
MSVOA_L
ClientSampleId :

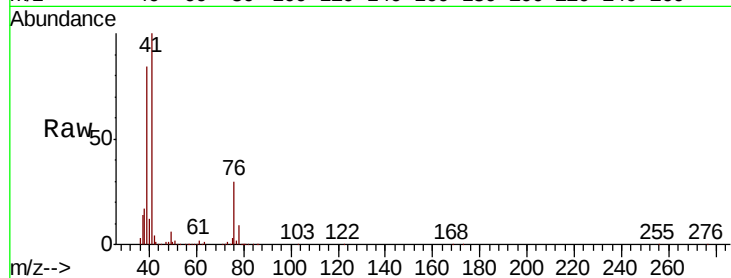
Tot Ion: 41 Resp: 881073

Ion Ratio Lower Upper

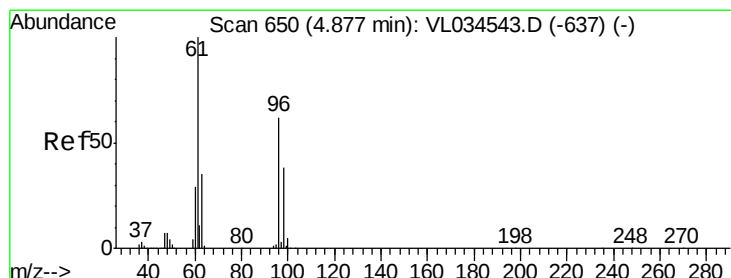
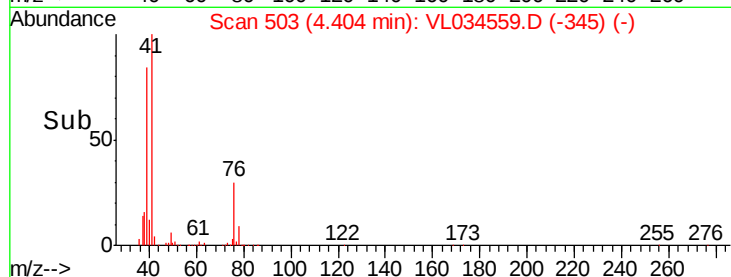
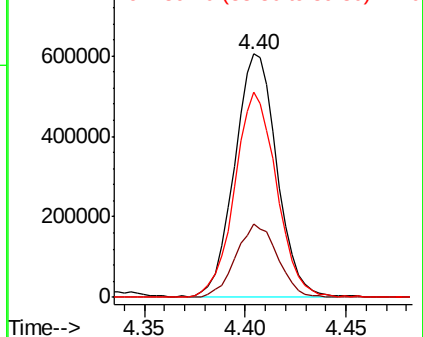
41 100

76 30.2 24.2 36.4

39 84.4 65.8 98.6



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: 9.843 ppbv

RT: 4.89 min Scan# 653

Delta R.T. 0.01 min

Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

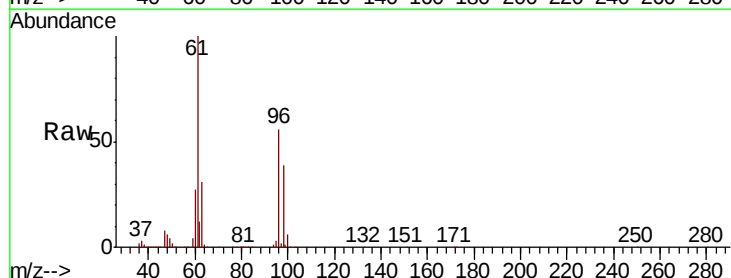
Tgt Ion: 96 Resp: 535389

Ion Ratio Lower Upper

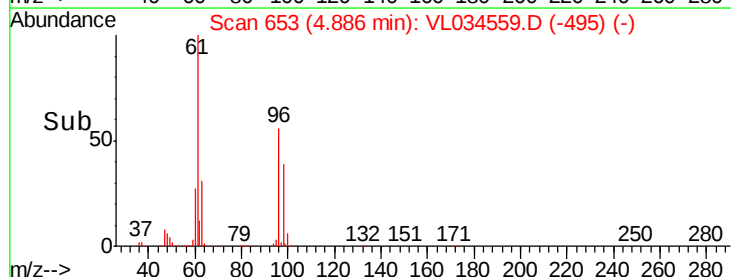
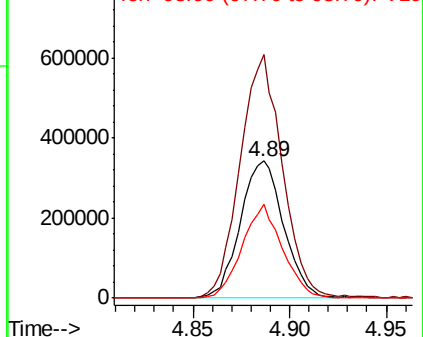
96 100

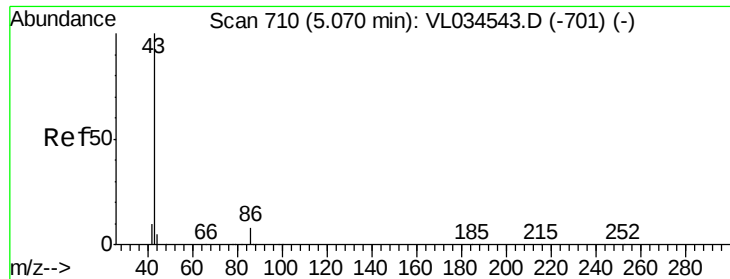
61 177.6 128.4 192.6

98 68.5 50.6 75.8



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: 9.918 ppbv

RT: 5.08 min Scan# 712

Delta R.T. 0.01 min

Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 1767412

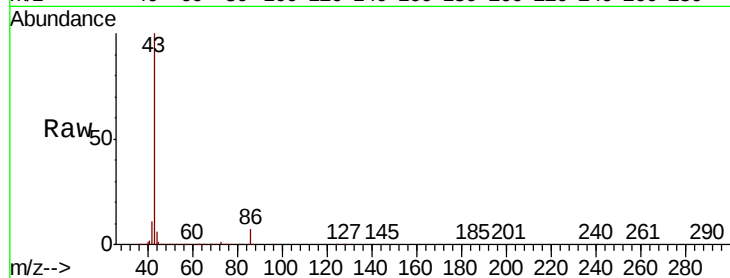
Ion Ratio Lower Upper

43 100

86 6.9 5.4 8.2

42 10.7 8.9 13.3

44 5.9 5.0 7.4

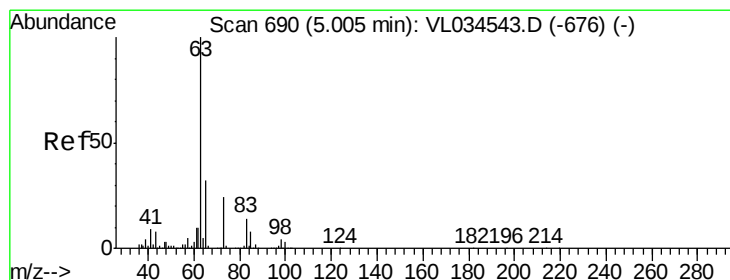
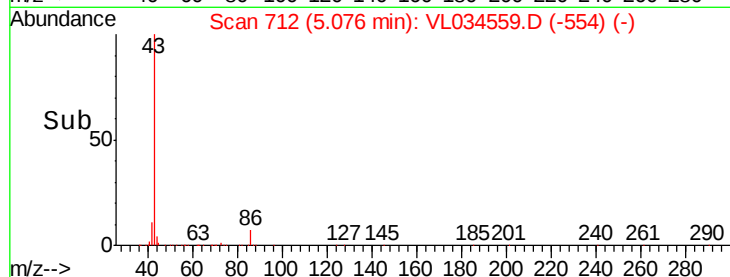
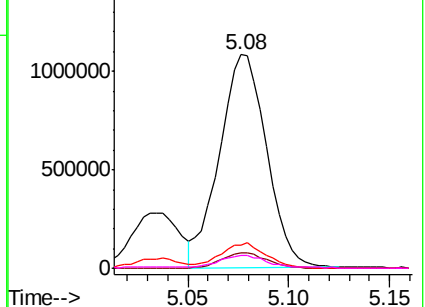


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.364 ppbv

RT: 5.01 min Scan# 692

Delta R.T. 0.00 min

Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

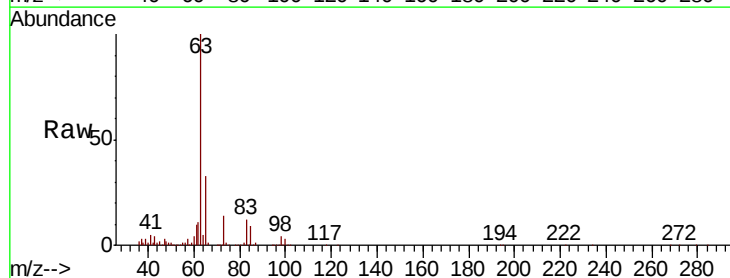
Tgt Ion: 63 Resp: 1340520

Ion Ratio Lower Upper

63 100

98 4.4 2.1 6.3

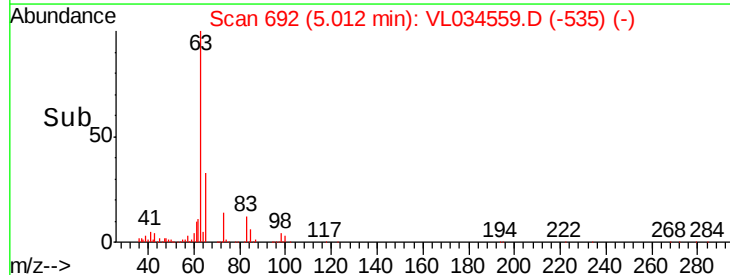
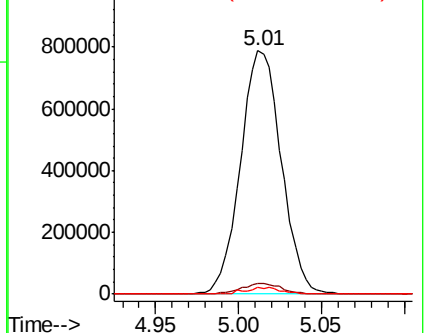
100 2.6 1.1 3.3

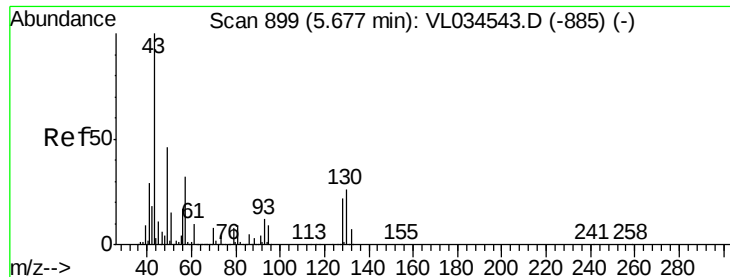


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



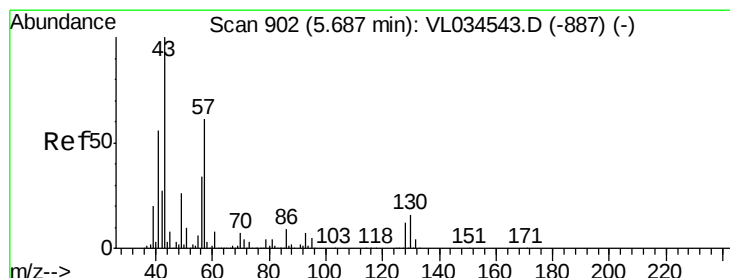
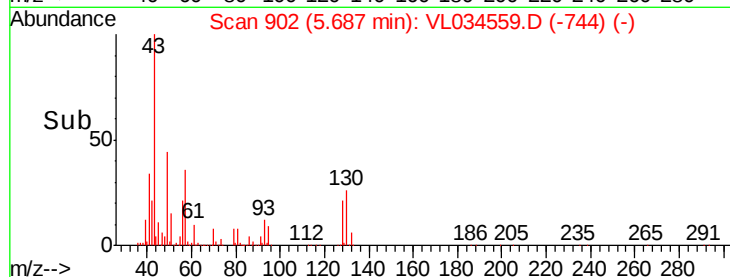
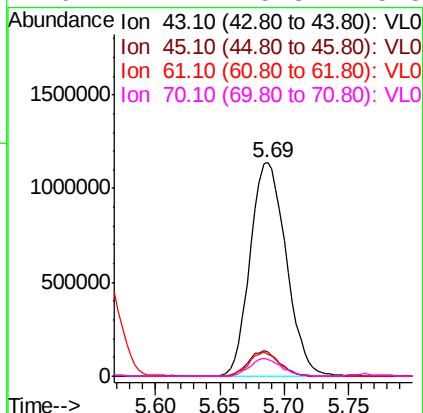
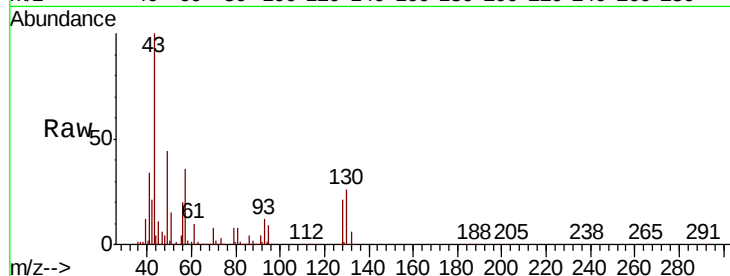


#25
Ethyl Acetate
Concen: 9.192 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.01 min
Lab File: VL034559.D
Acq: 27 Jan 2020 12:59

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2215734

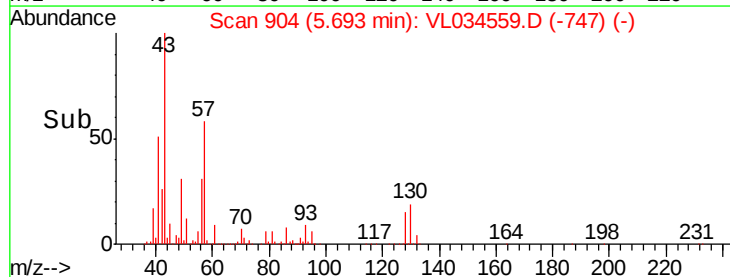
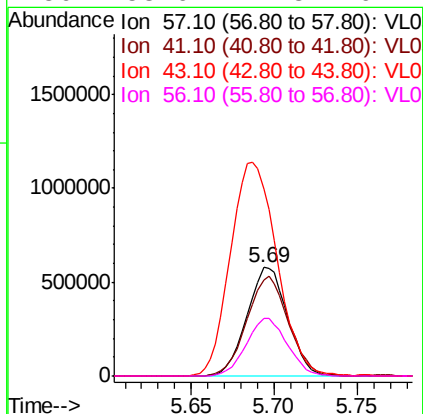
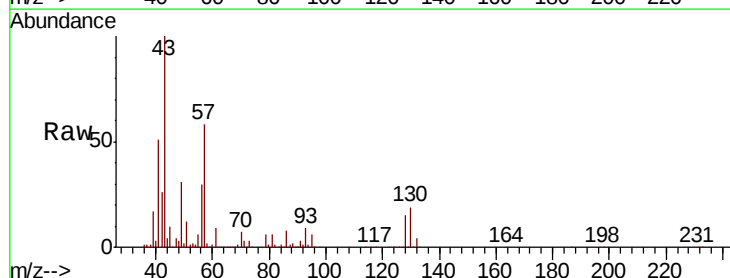
Ion	Ratio	Lower	Upper
43	100		
45	10.5	8.3	12.5
61	9.5	7.8	11.6
70	7.2	5.8	8.8

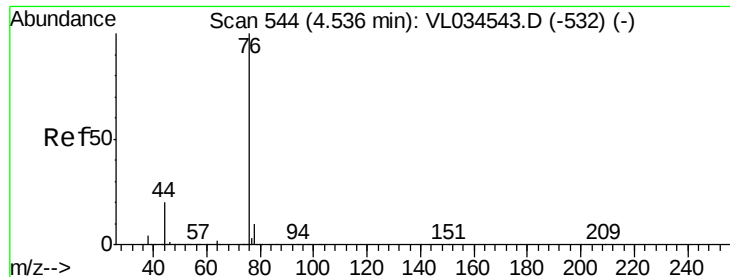


#26
Hexane
Concen: 9.667 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.00 min
Lab File: VL034559.D
Acq: 27 Jan 2020 12:59

Tgt Ion: 57 Resp: 981791

Ion	Ratio	Lower	Upper
57	100		
41	94.5	75.3	112.9
43	226.3	189.4	284.2
56	53.6	42.8	64.2





#27

Carbon Disulfide

Concen: 10.586 ppbv

RT: 4.55 min Scan# 547

Delta R.T. 0.01 min

Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

Instrument :

MSVOA_L

ClientSampleId :

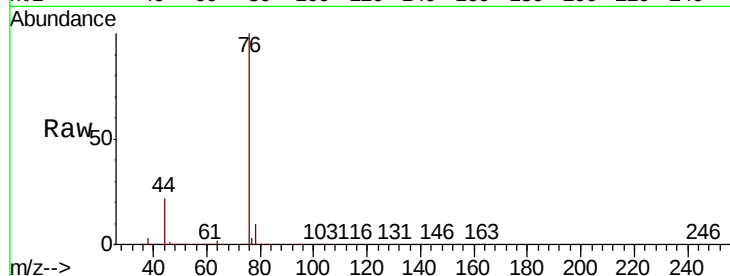
Tot Ion: 76 Resp: 1359022

Ion Ratio Lower Upper

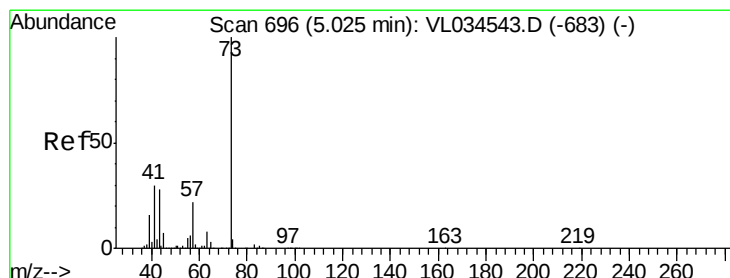
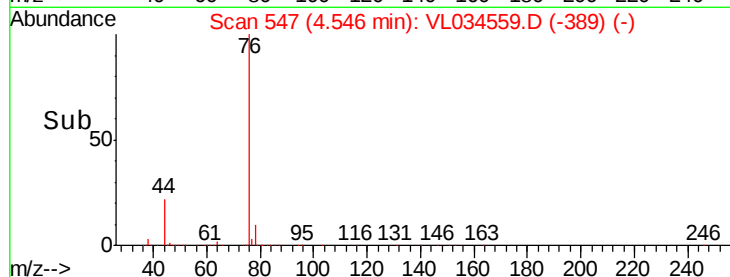
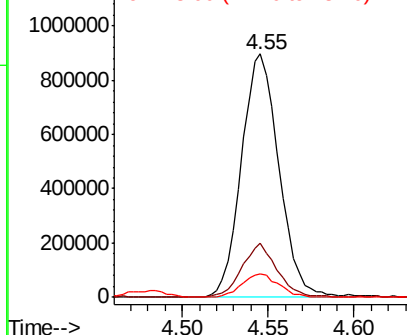
76 100

44 19.7 16.6 25.0

78 9.6 7.4 11.0



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: 10.108 ppbv

RT: 5.03 min Scan# 699

Delta R.T. 0.01 min

Lab File: VL034559.D

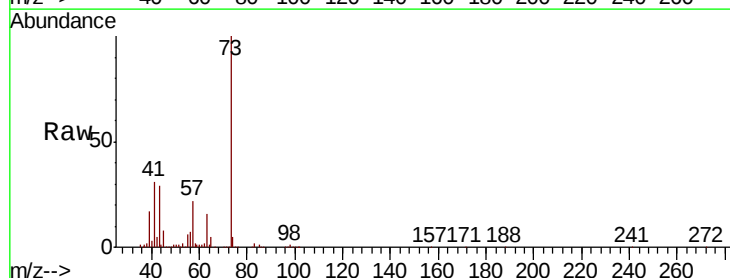
Acq: 27 Jan 2020 12:59

Tgt Ion: 73 Resp: 1714692

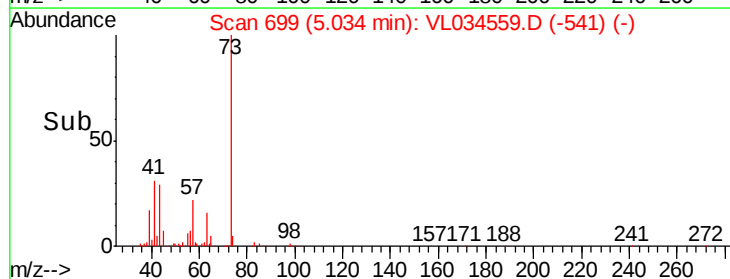
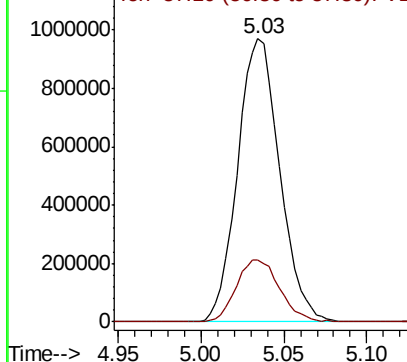
Ion Ratio Lower Upper

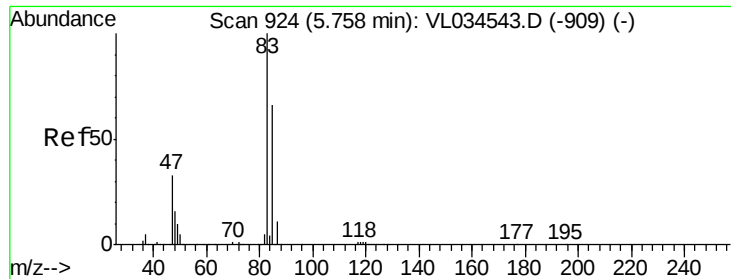
73 100

57 22.7 18.2 27.2



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0

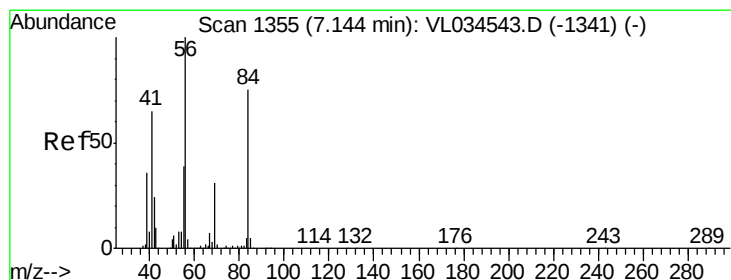
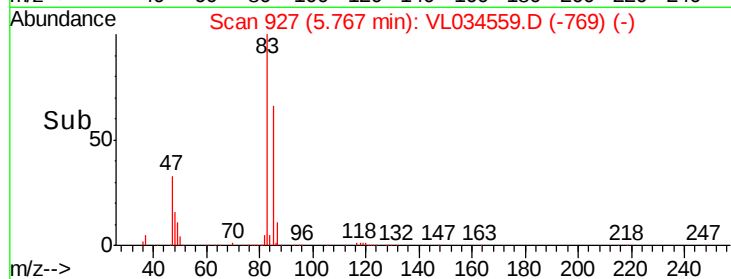
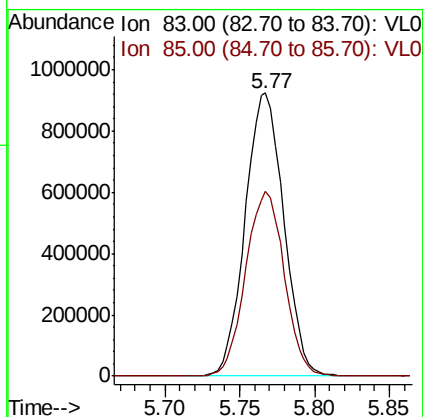
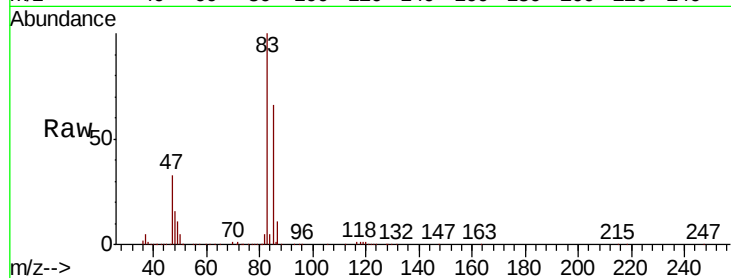




#29
Chloroform
Concen: 9.451 ppbv
RT: 5.77 min Scan# 927
Delta R.T. 0.01 min
Lab File: VL034559.D
Acq: 27 Jan 2020 12:59

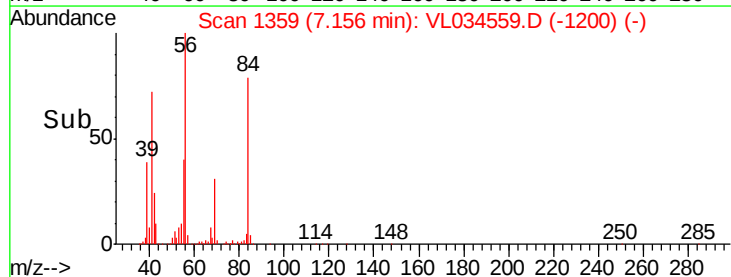
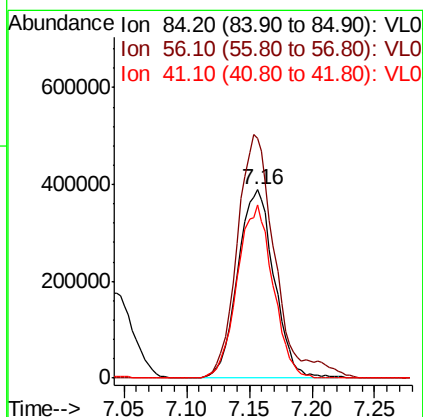
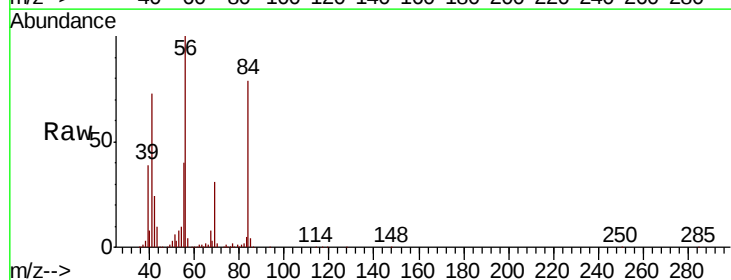
Instrument :
MSVOA_L
ClientSampled :

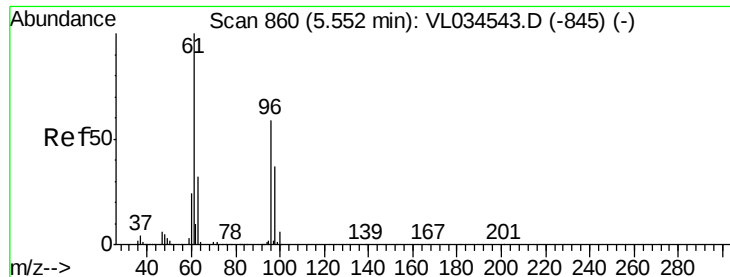
Tot Ion: 83 Resp: 1660921
Ion Ratio Lower Upper
83 100
85 65.5 51.0 76.6



#30
Cyclohexane
Concen: 10.416 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VL034559.D
Acq: 27 Jan 2020 12:59

Tgt Ion: 84 Resp: 786304
Ion Ratio Lower Upper
84 100
56 134.7 112.7 169.1
41 90.1 73.0 109.4



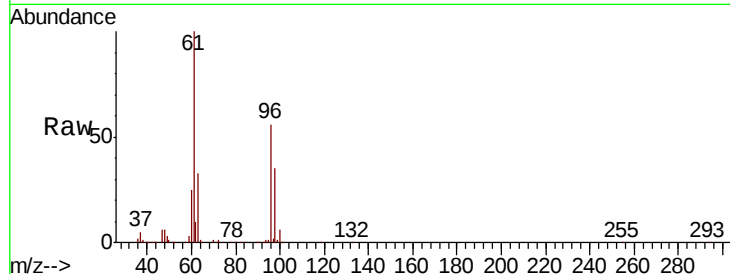


#31

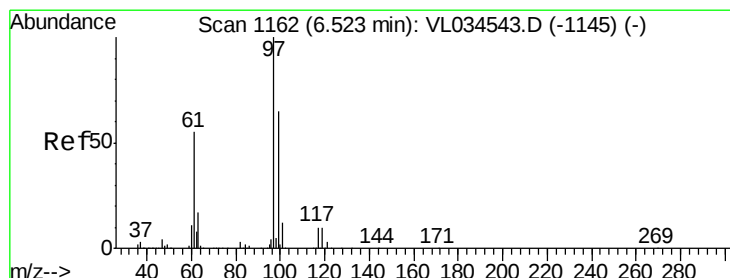
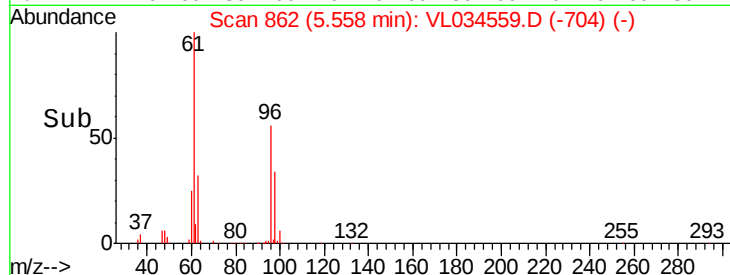
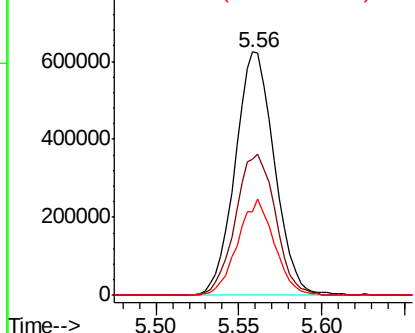
cis-1,2-Dichloroethene
 Concen: 9.944 ppbv
 RT: 5.56 min Scan# 862
 Delta R.T. 0.01 min
 Lab File: VL034559.D
 Acq: 27 Jan 2020 12:59

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 61 Resp: 1029242
 Ion Ratio Lower Upper
 61 100
 96 55.7 47.1 70.7
 98 34.5 31.0 46.6



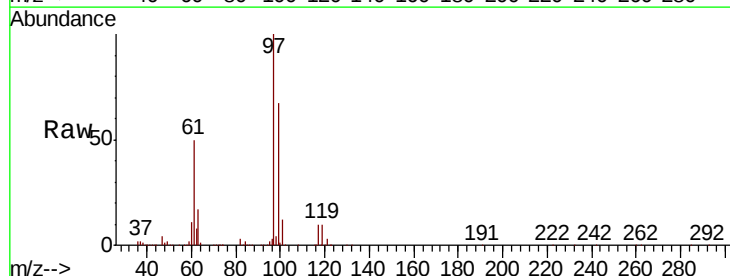
Abundance Ion 61.10 (60.80 to 61.80): VL0
 Ion 96.00 (95.70 to 96.70): VL0
 Ion 98.00 (97.70 to 98.70): VL0



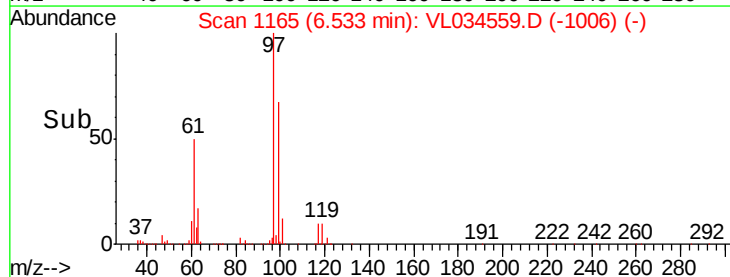
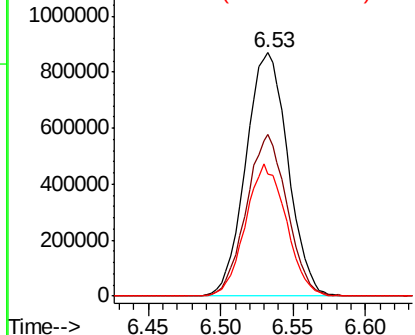
#32

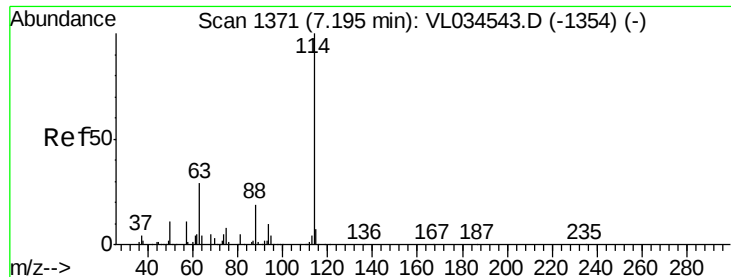
1,1,1-Trichloroethane
 Concen: 9.630 ppbv
 RT: 6.53 min Scan# 1165
 Delta R.T. 0.01 min
 Lab File: VL034559.D
 Acq: 27 Jan 2020 12:59

Tgt Ion: 97 Resp: 1756681
 Ion Ratio Lower Upper
 97 100
 99 64.3 51.7 77.5
 61 52.5 42.9 64.3



Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0
 Ion 61.10 (60.80 to 61.80): VL0

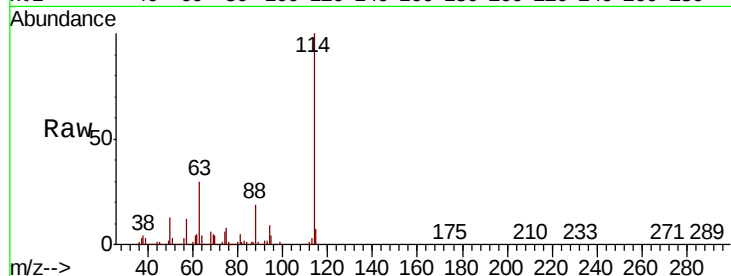




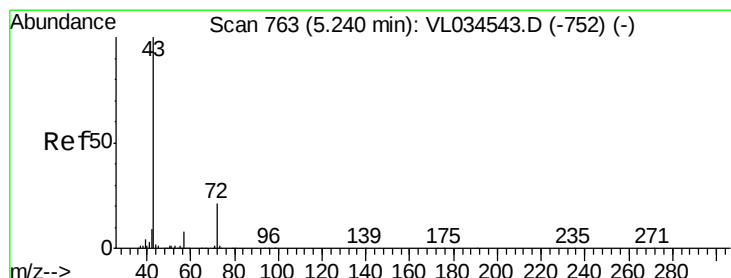
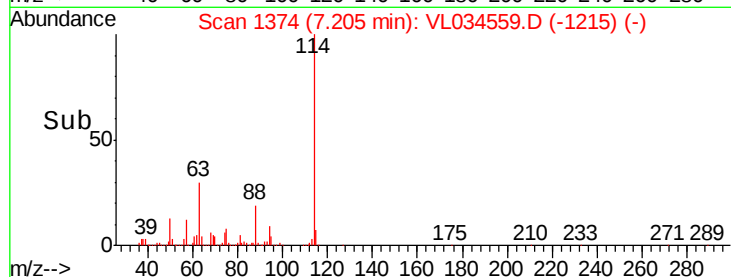
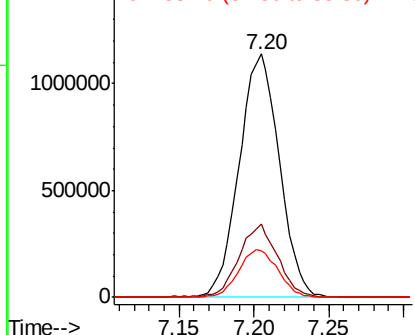
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1374
 Delta R.T. 0.01 min
 Lab File: VL034559.D
 Acq: 27 Jan 2020 12:59

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 2121936
 Ion Ratio Lower Upper
 114 100
 63 29.5 24.1 36.1
 88 19.4 15.7 23.5

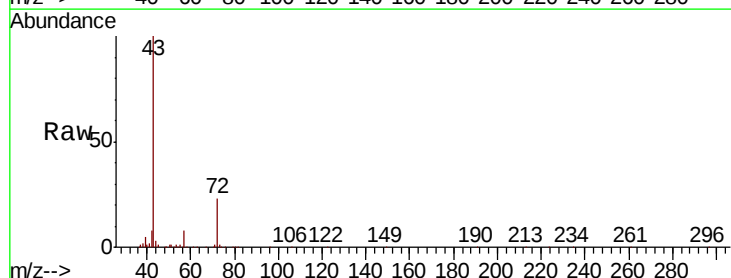


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

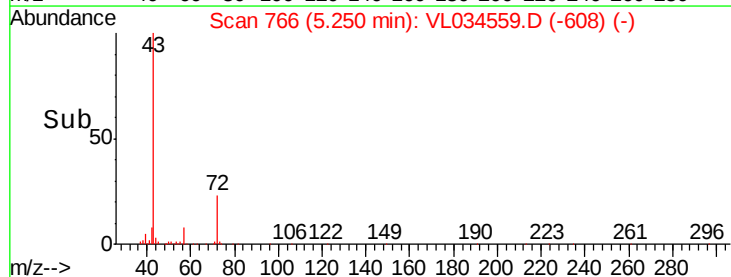
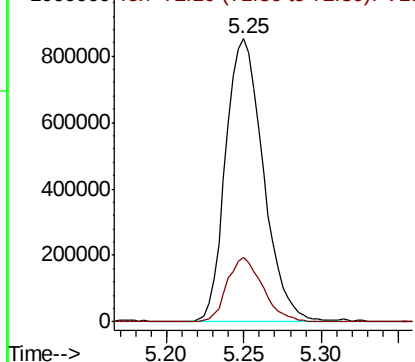


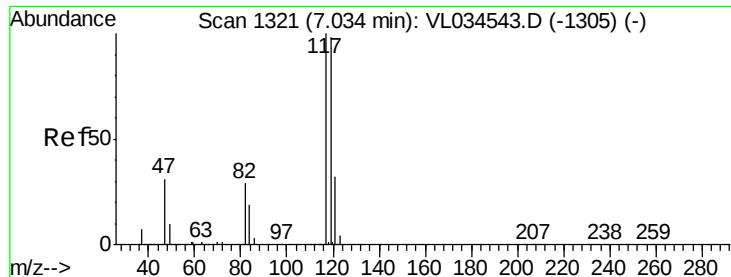
#34
 2-Butanone
 Concen: 9.457 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. 0.01 min
 Lab File: VL034559.D
 Acq: 27 Jan 2020 12:59

Tgt Ion: 43 Resp: 1434038
 Ion Ratio Lower Upper
 43 100
 72 21.7 17.0 25.4



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





#35

Carbon Tetrachloride

Concen: 9.755 ppbv

RT: 7.04 min Scan# 1324

Delta R.T. 0.01 min

Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

Instrument :

MSVOA_L

ClientSampleId :

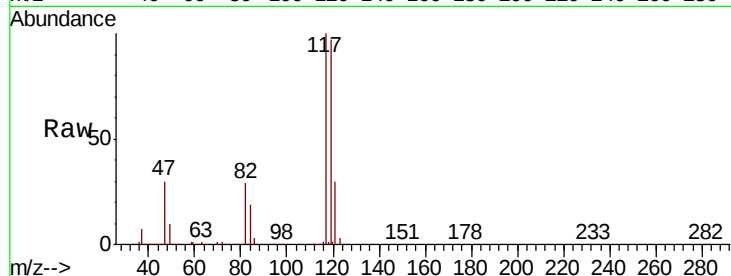
Tot Ion:117 Resp: 1877303

Ion Ratio Lower Upper

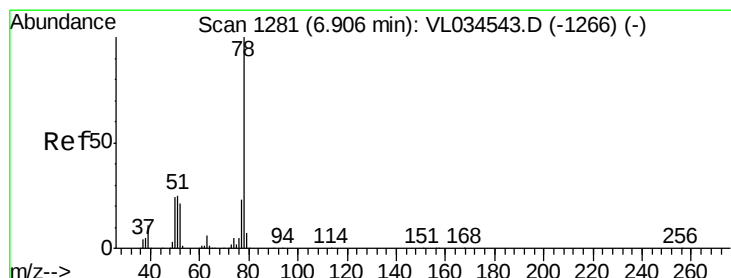
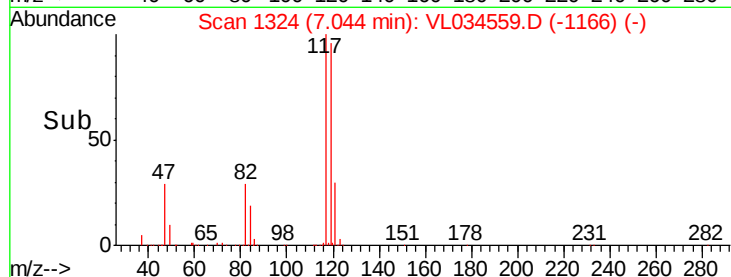
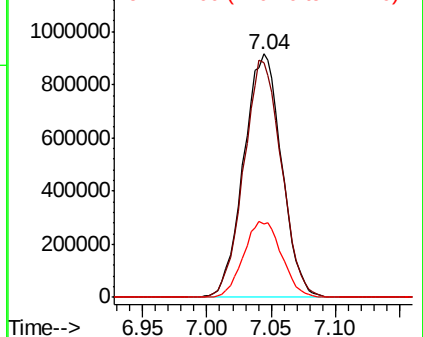
117 100

119 96.6 78.7 118.1

121 30.2 25.9 38.9



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: 9.902 ppbv

RT: 6.92 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

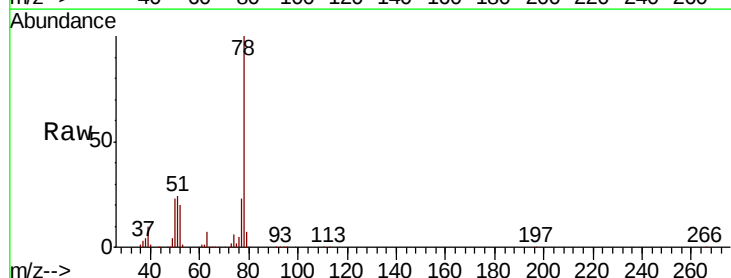
Tgt Ion: 78 Resp: 1831613

Ion Ratio Lower Upper

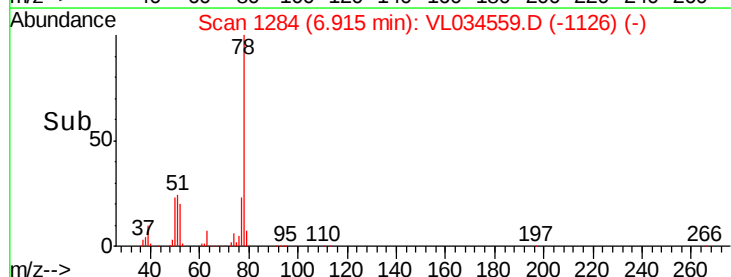
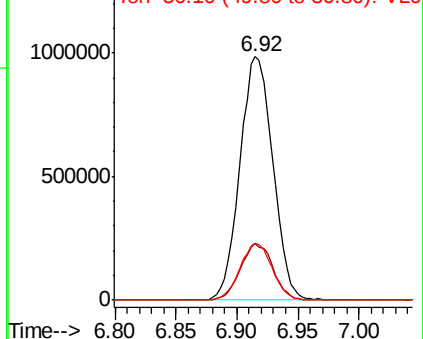
78 100

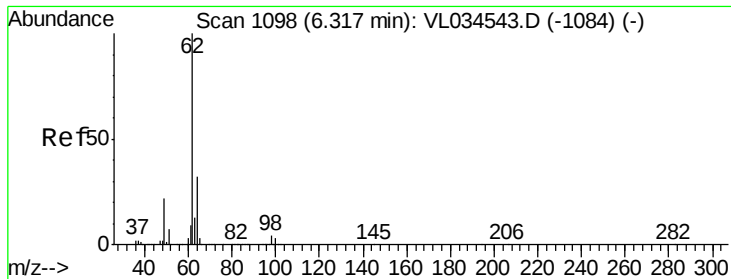
77 23.3 18.6 28.0

50 23.3 18.8 28.2



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: 9.653 ppbv

RT: 6.33 min Scan# 1101

Delta R.T. 0.01 min

Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

Instrument :

MSVOA_L

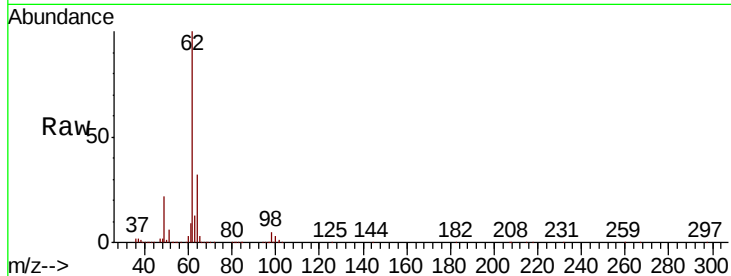
ClientSampleId :

Tot Ion: 62 Resp: 1449965

Ion Ratio Lower Upper

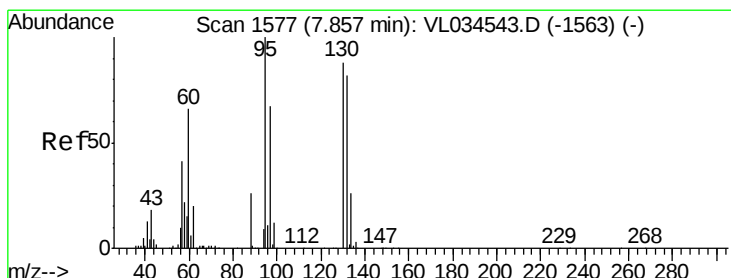
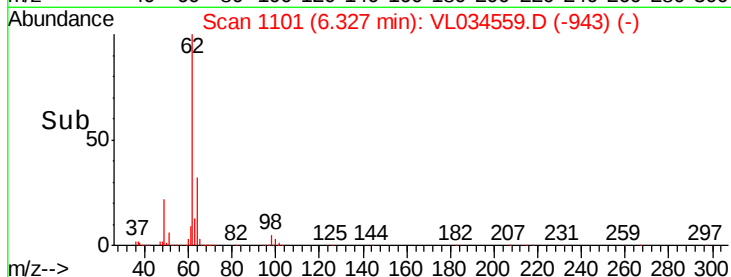
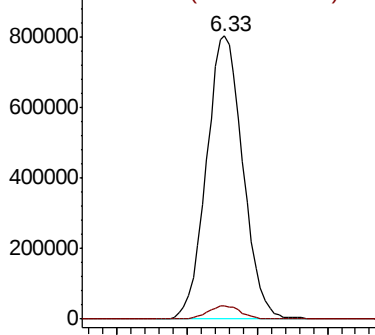
62 100

98 4.4 3.8 5.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 10.189 ppbv

RT: 7.87 min Scan# 1580

Delta R.T. 0.01 min

Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

Tgt Ion:130 Resp: 761293

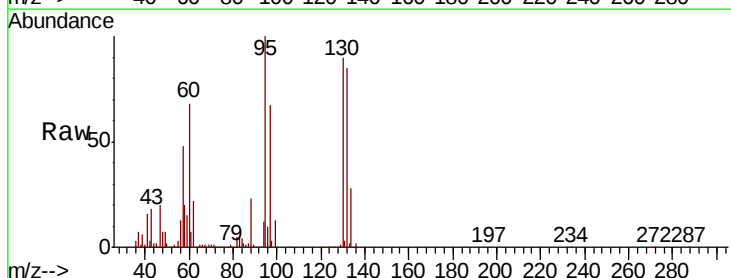
Ion Ratio Lower Upper

130 100

95 111.3 94.2 141.2

132 94.3 76.1 114.1

97 74.7 60.2 90.2

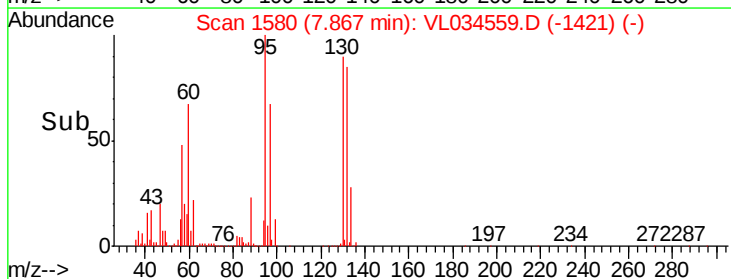
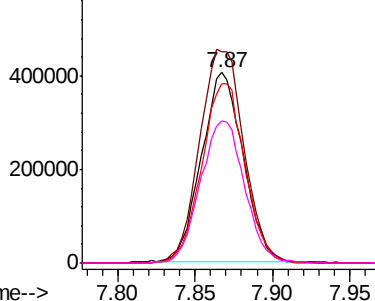


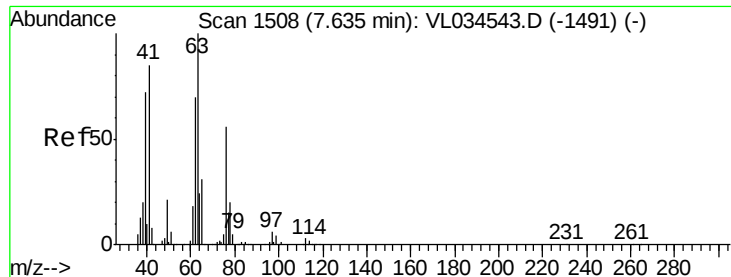
Abundance Ion 130.00 (129.70 to 130.70): V

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: 9.908 ppbv

RT: 7.65 min Scan# 1511

Delta R.T. 0.01 min

Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

Instrument :

MSVOA_L

ClientSampleId :

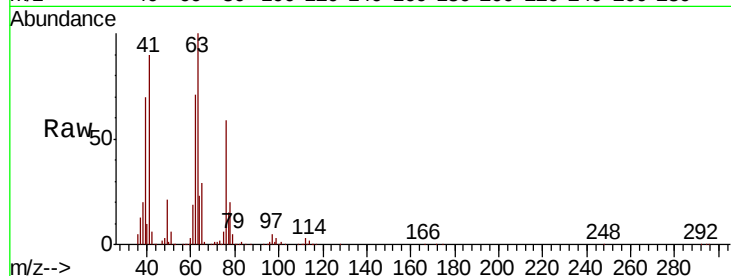
Tot Ion: 63 Resp: 753612

Ion Ratio Lower Upper

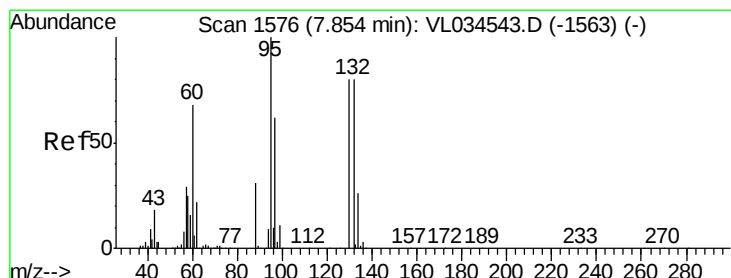
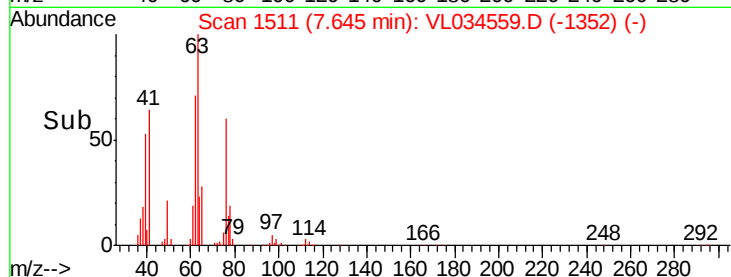
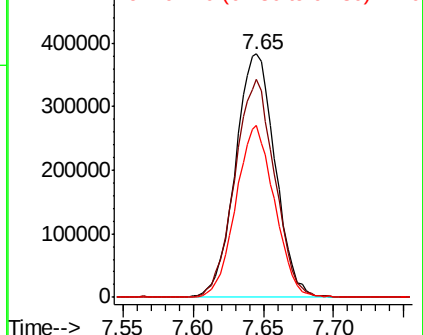
63 100

41 89.7 66.1 99.1

62 70.6 54.9 82.3



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: 8.356 ppbv

RT: 7.86 min Scan# 1579

Delta R.T. 0.01 min

Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

Tgt Ion: 88 Resp: 257231

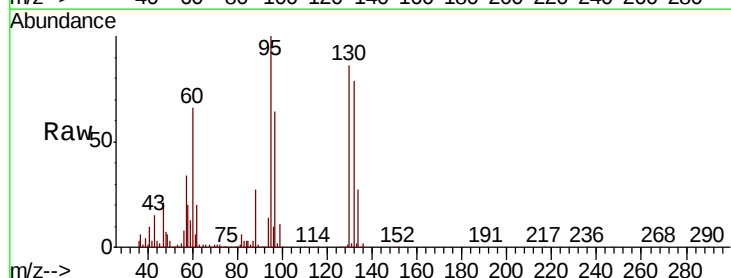
Ion Ratio Lower Upper

88 100

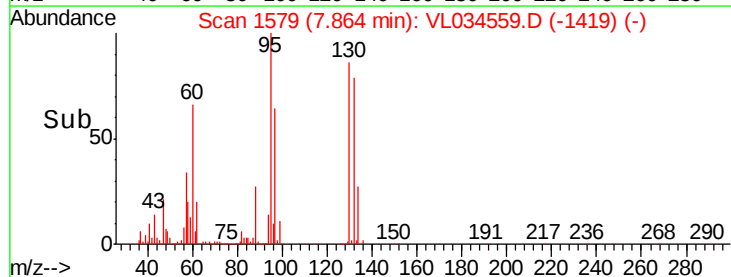
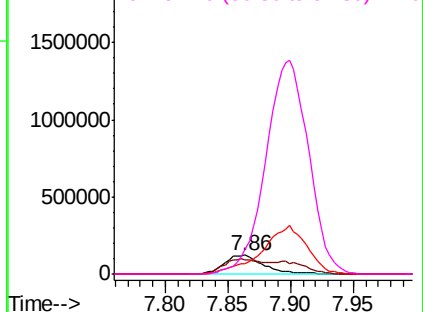
58 140.2 107.9 161.9

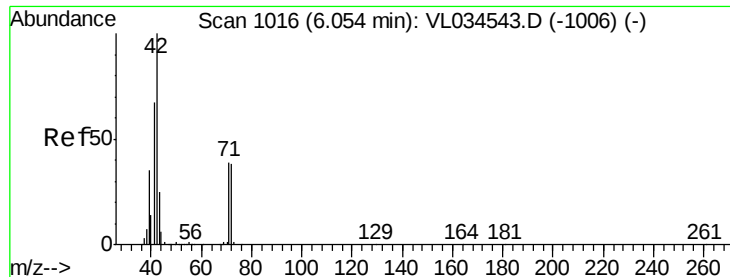
43 304.1 0.0 0.0#

57 1278.7 0.0 0.0#



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

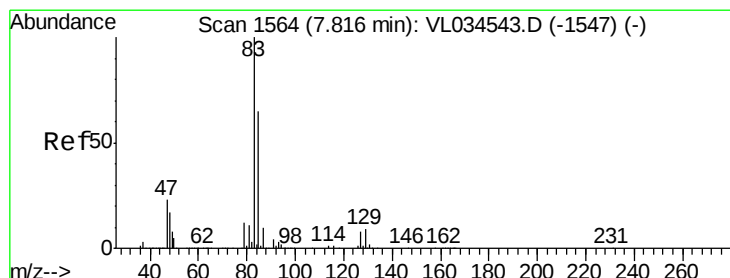
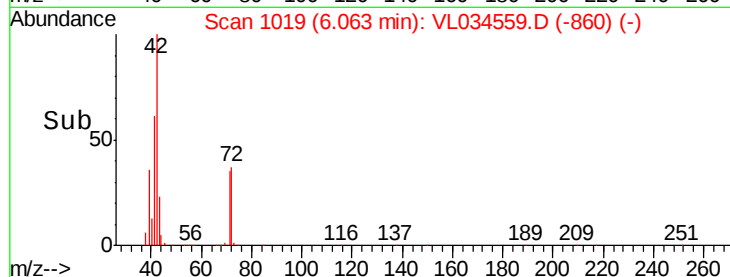
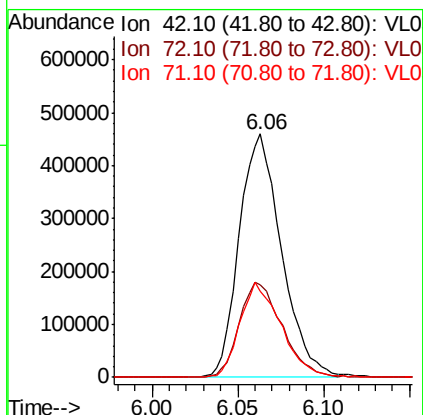
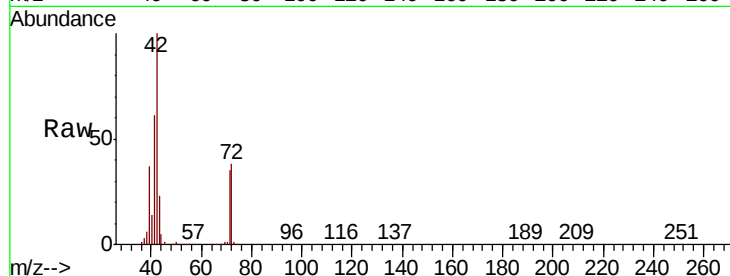




#41
Tetrahydrofuran
Concen: 10.090 ppbv
RT: 6.06 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VL034559.D
Acq: 27 Jan 2020 12:59

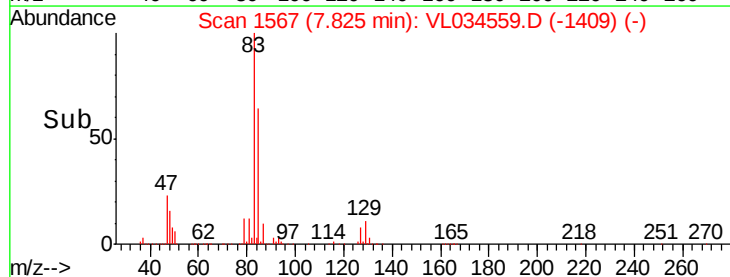
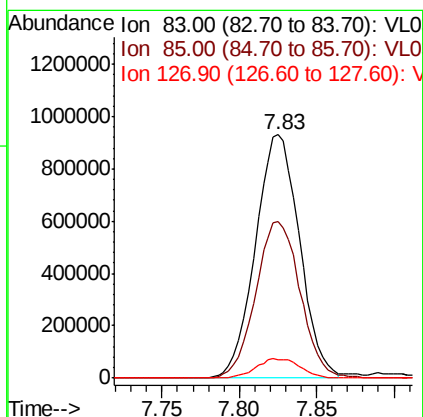
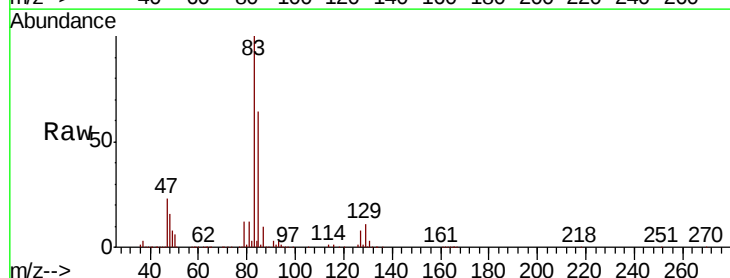
Instrument :
MSVOA_L
ClientSampleId :

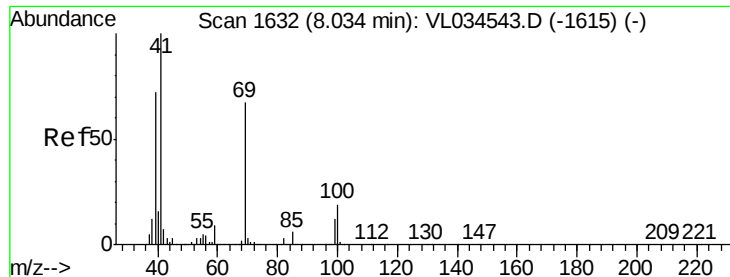
Tot Ion: 42 Resp: 784839
Ion Ratio Lower Upper
42 100
72 39.6 30.9 46.3
71 38.1 28.9 43.3



#42
Bromodichloromethane
Concen: 9.971 ppbv
RT: 7.83 min Scan# 1567
Delta R.T. 0.01 min
Lab File: VL034559.D
Acq: 27 Jan 2020 12:59

Tgt Ion: 83 Resp: 1842914
Ion Ratio Lower Upper
83 100
85 64.3 49.4 74.2
127 7.7 6.2 9.4

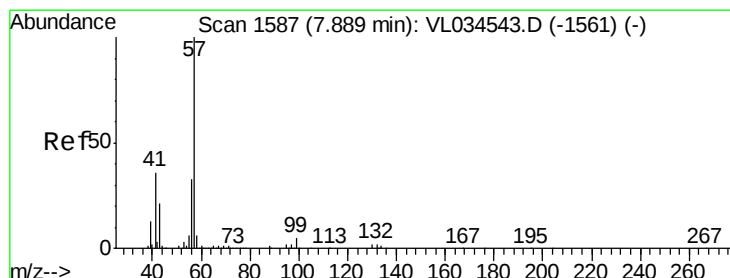
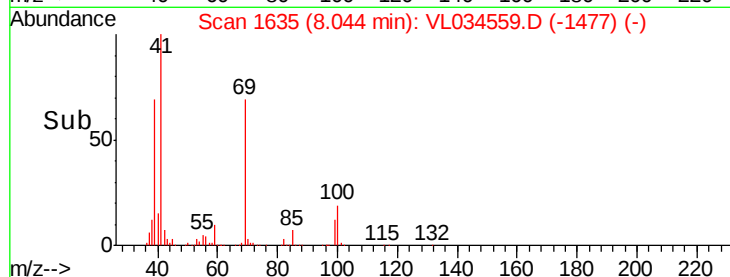
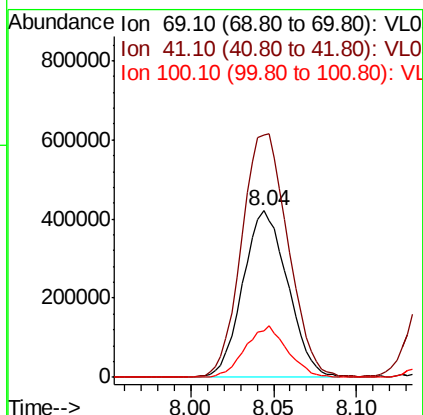
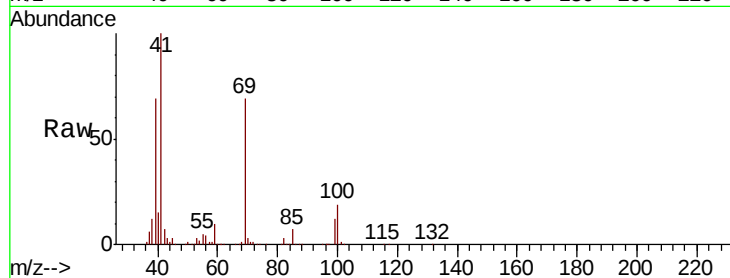




#43
Methyl Methacrylate
Concen: 10.455 ppbv
RT: 8.04 min Scan# 1635
Delta R.T. 0.01 min
Lab File: VL034559.D
Acq: 27 Jan 2020 12:59

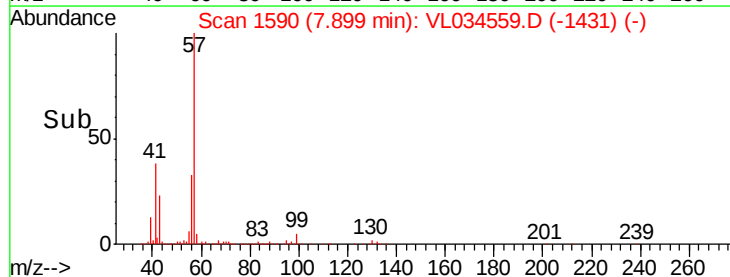
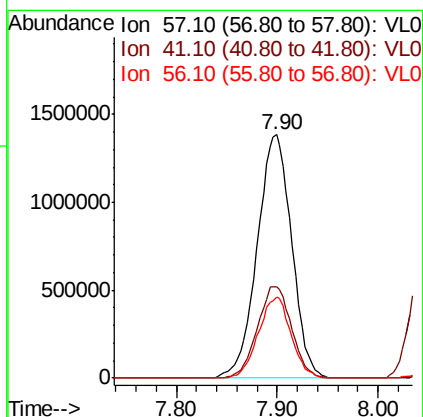
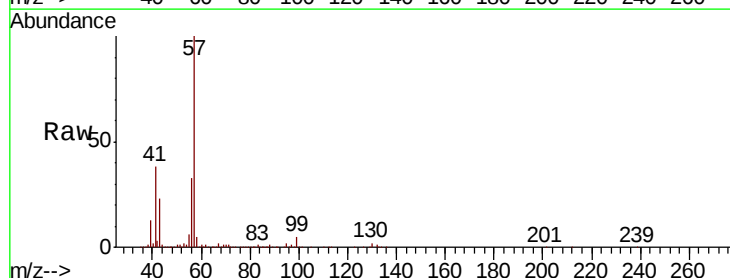
Instrument :
MSVOA_L
ClientSampled :

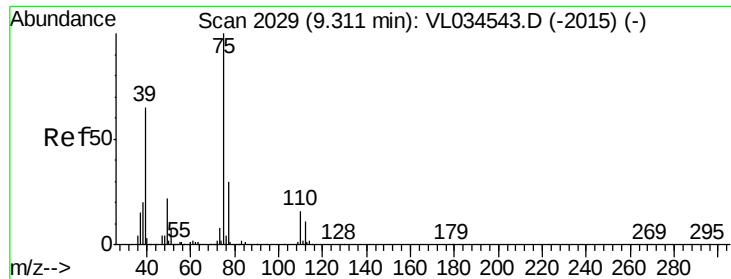
Tot Ion	Ratio	Lower	Upper
69	100		
41	152.0	124.0	186.0
100	29.3	23.1	34.7



#44
2,2,4-Trimethylpentane
Concen: 9.610 ppbv
RT: 7.90 min Scan# 1590
Delta R.T. 0.01 min
Lab File: VL034559.D
Acq: 27 Jan 2020 12:59

Tgt Ion	Ratio	Lower	Upper
57	100		
41	37.2	29.0	43.4
56	31.6	24.9	37.3

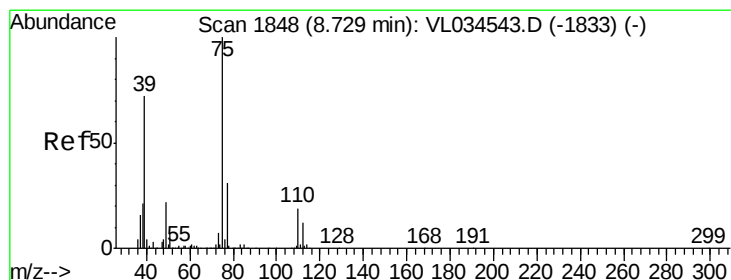
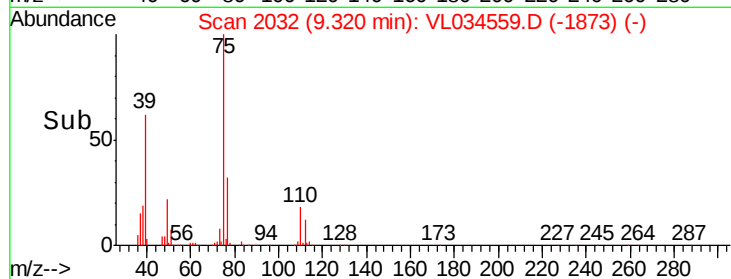
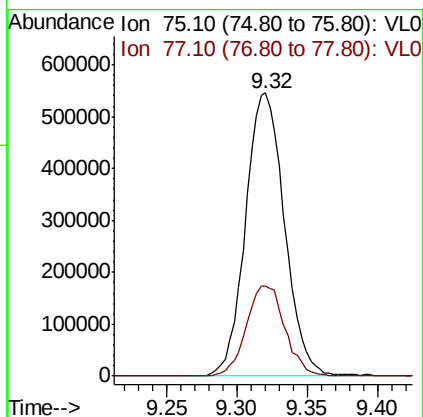
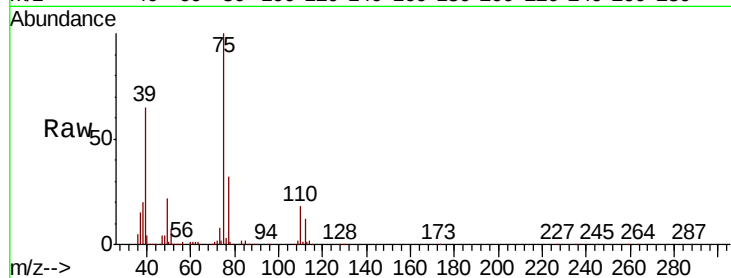




#45
 t-1,3-Dichloropropene
 Concen: 10.844 ppbv
 RT: 9.32 min Scan# 2032
 Delta R.T. 0.01 min
 Lab File: VL034559.D
 Acq: 27 Jan 2020 12:59

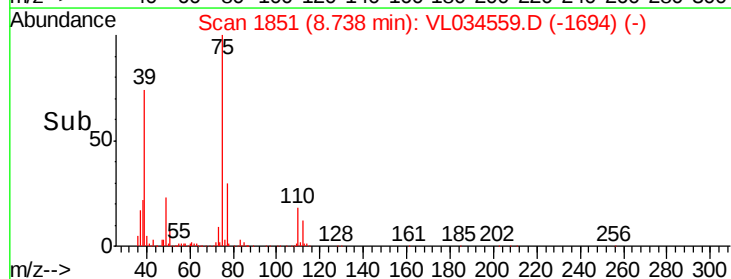
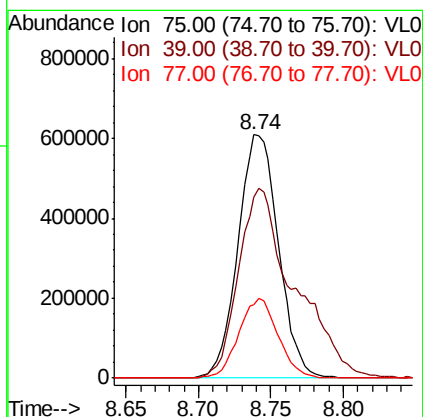
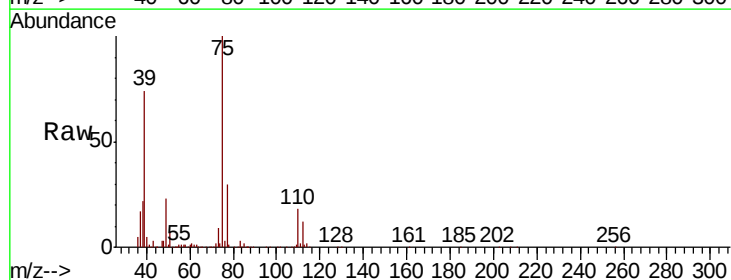
Instrument :
 MSVOA_L
 ClientSampleId :

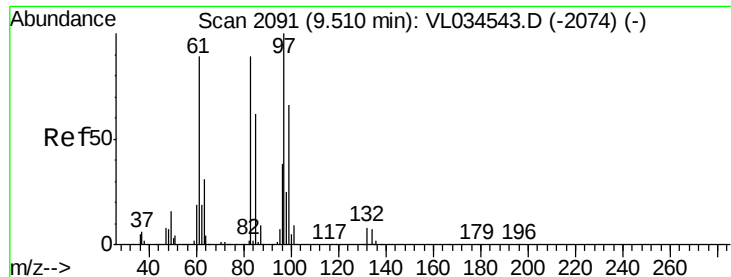
Tot Ion: 75 Resp: 1054017
 Ion Ratio Lower Upper
 75 100
 77 32.1 24.2 36.2



#46
 cis-1,3-Dichloropropene
 Concen: 10.616 ppbv
 RT: 8.74 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: VL034559.D
 Acq: 27 Jan 2020 12:59

Tgt Ion: 75 Resp: 1179481
 Ion Ratio Lower Upper
 75 100
 39 74.4 60.5 90.7
 77 30.4 24.8 37.2





#47

1,1,2-Trichloroethane

Concen: 9.607 ppbv

RT: 9.52 min Scan# 2093

Delta R.T. 0.00 min

Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 97 Resp: 805484

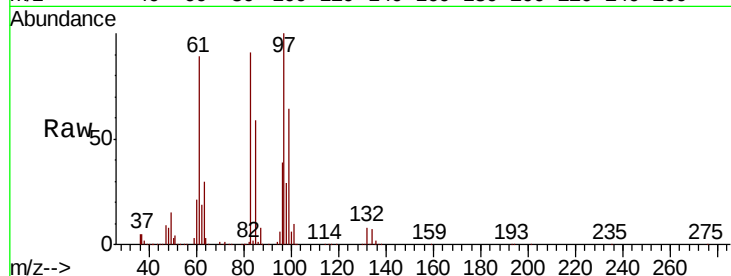
Ion Ratio Lower Upper

97 100

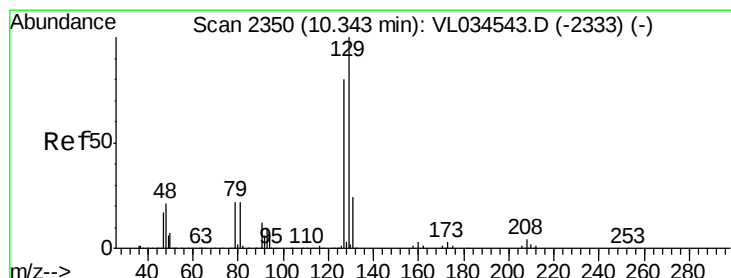
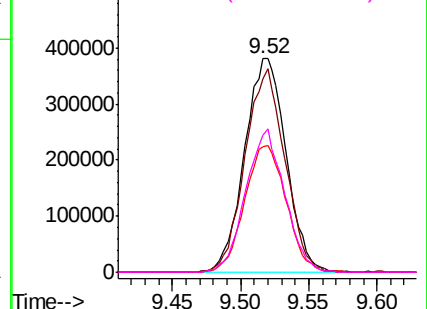
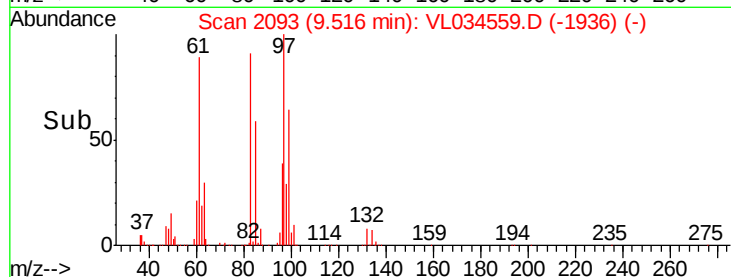
83 90.4 75.0 112.4

85 58.8 48.2 72.4

99 64.4 48.5 72.7



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: 10.802 ppbv

RT: 10.35 min Scan# 2353

Delta R.T. 0.01 min

Lab File: VL034559.D

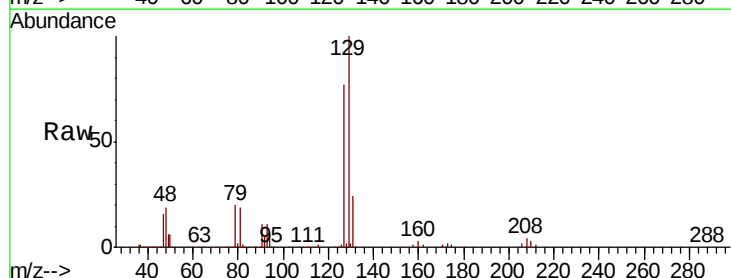
Acq: 27 Jan 2020 12:59

Tgt Ion: 129 Resp: 1570008

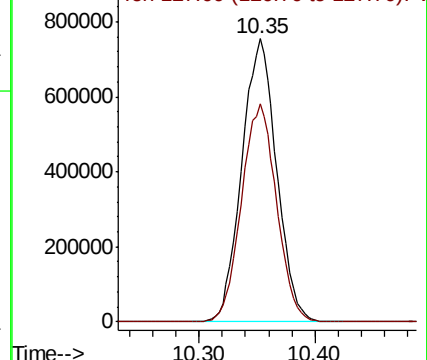
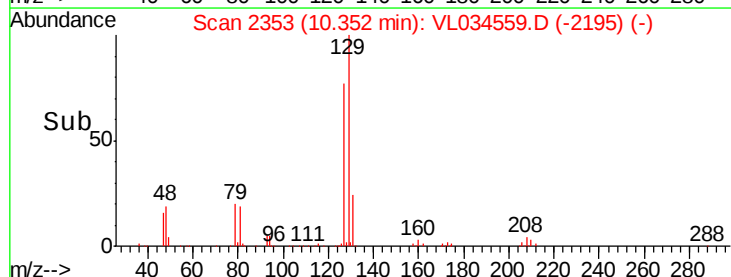
Ion Ratio Lower Upper

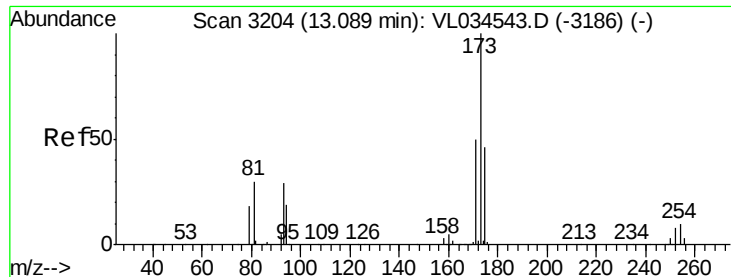
129 100

127 77.6 39.4 118.2



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





#49

Bromoform

Concen: 10.584 ppbv

RT: 13.10 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

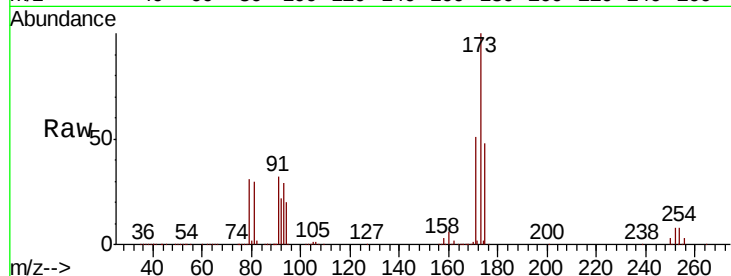
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:173 Resp: 1392639

Ion	Ratio	Lower	Upper
173	100		
175	50.1	39.8	59.8
171	52.4	42.1	63.1

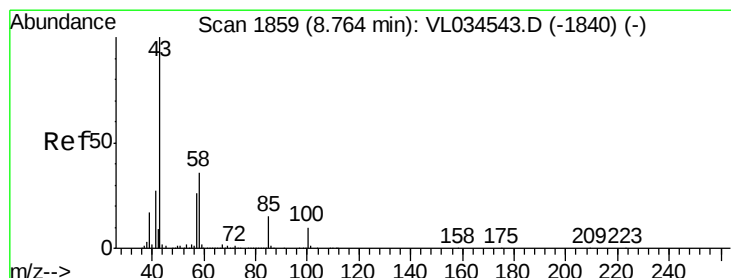
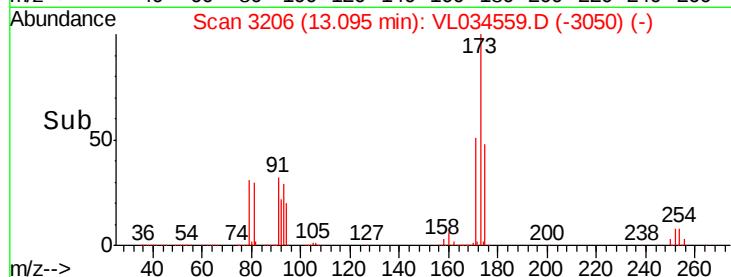
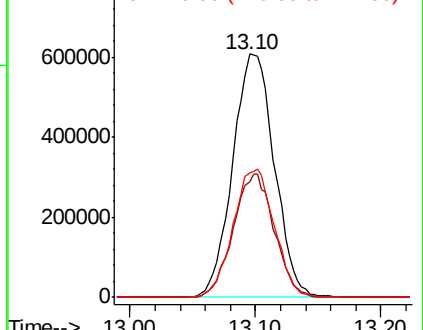


Abundance

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: 9.930 ppbv

RT: 8.77 min Scan# 1862

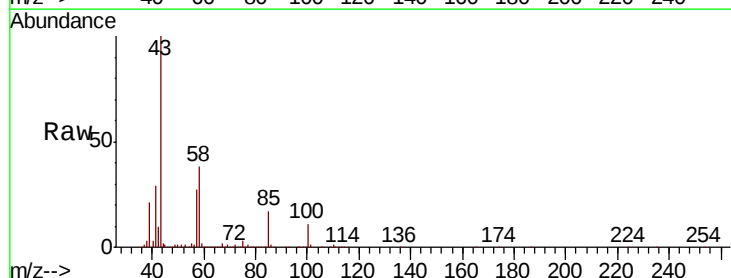
Delta R.T. 0.01 min

Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

Tgt Ion: 43 Resp: 2185886

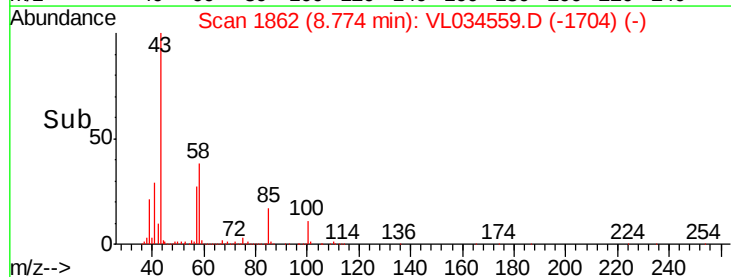
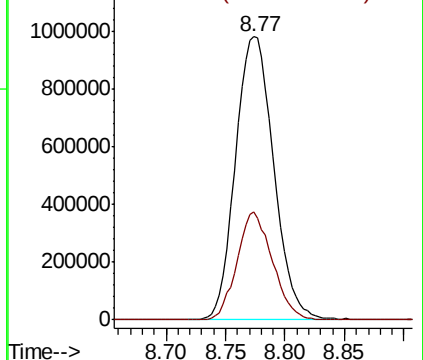
Ion	Ratio	Lower	Upper
43	100		
58	35.4	28.2	42.2

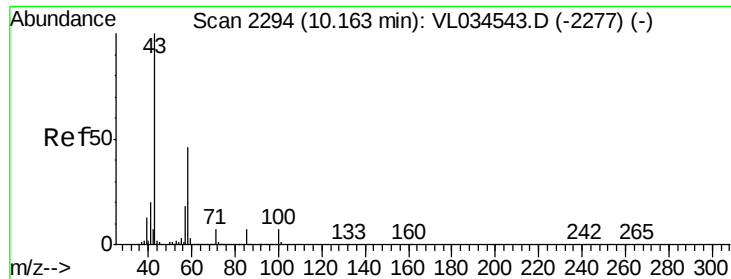


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.073 ppbv

RT: 10.17 min Scan# 2296

Delta R.T. 0.00 min

Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

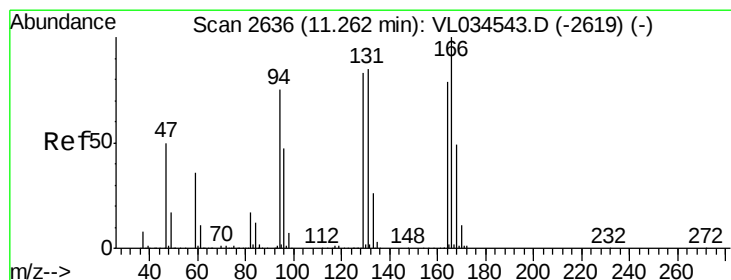
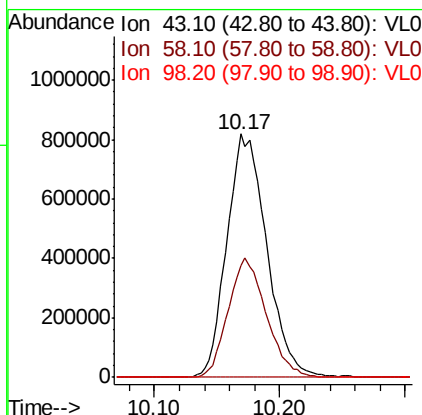
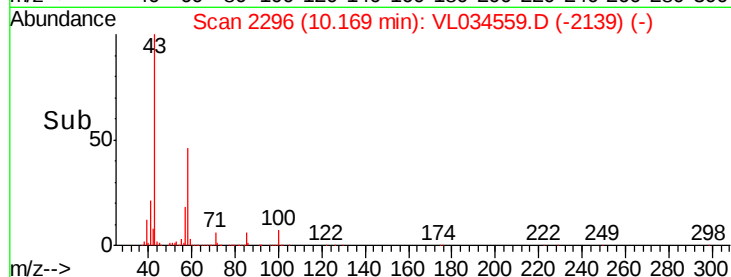
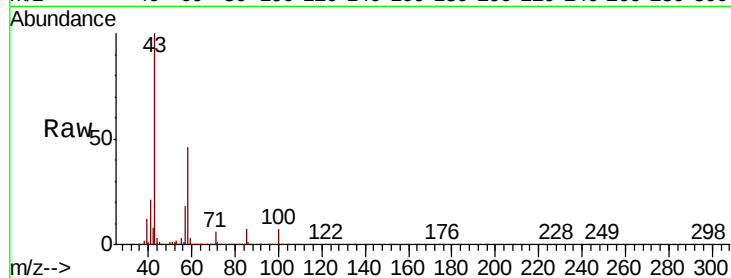
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 1789800

Ion	Ratio	Lower	Upper
43	100		
58	47.4	37.4	56.0
98	0.2	0.2	0.2#



#52

Tetrachloroethene

Concen: 9.914 ppbv

RT: 11.27 min Scan# 2639

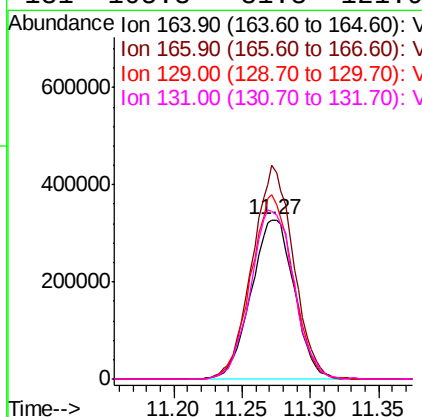
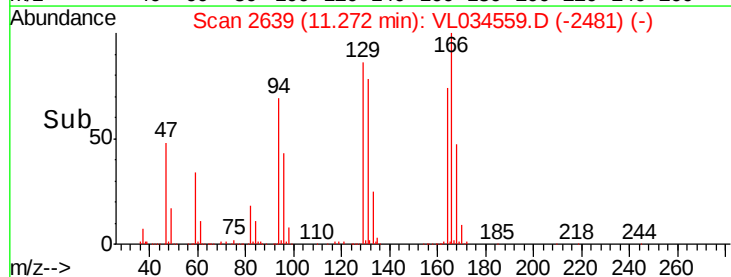
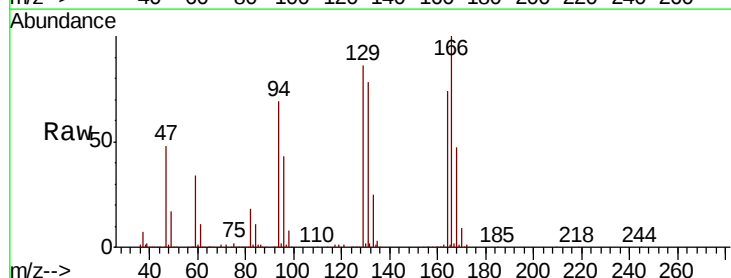
Delta R.T. 0.01 min

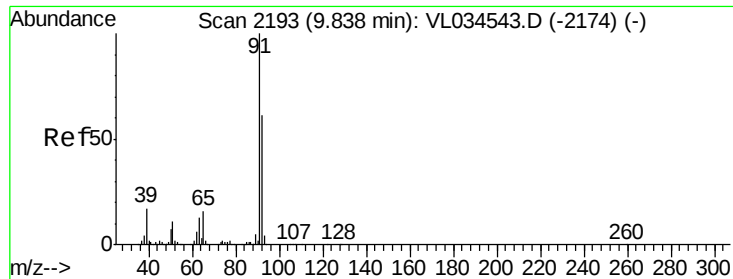
Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

Tgt Ion: 164 Resp: 715630

Ion	Ratio	Lower	Upper
164	100		
166	134.4	95.7	143.5
129	115.6	82.2	123.2
131	105.3	81.3	121.9





#53

Toluene

Concen: 10.605 ppbv

RT: 9.85 min Scan# 2196

Delta R.T. 0.01 min

Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

Instrument :

MSVOA_L

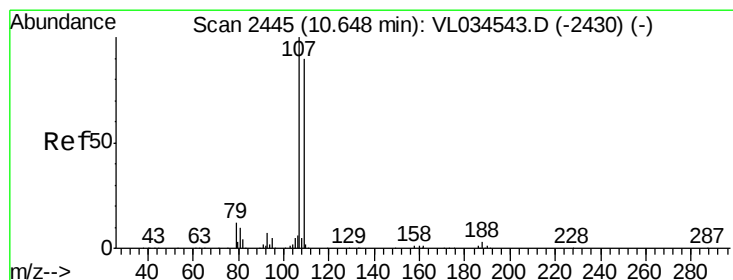
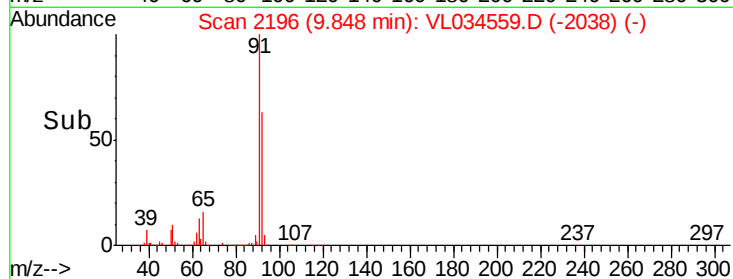
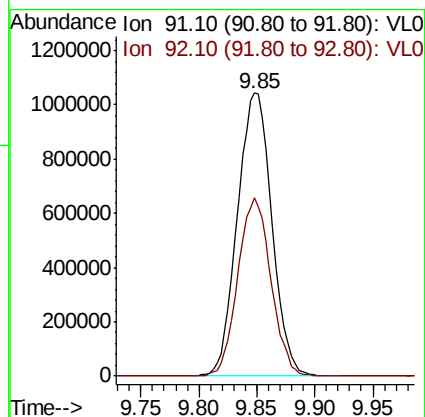
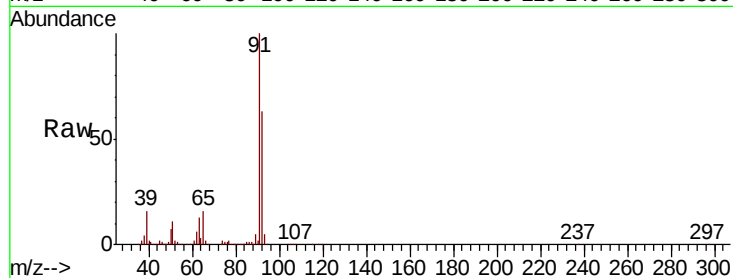
ClientSampleId :

Tot Ion: 91 Resp: 2155057

Ion Ratio Lower Upper

91 100

92 60.3 48.4 72.6



#54

1,2-Dibromoethane

Concen: 10.558 ppbv

RT: 10.66 min Scan# 2449

Delta R.T. 0.01 min

Lab File: VL034559.D

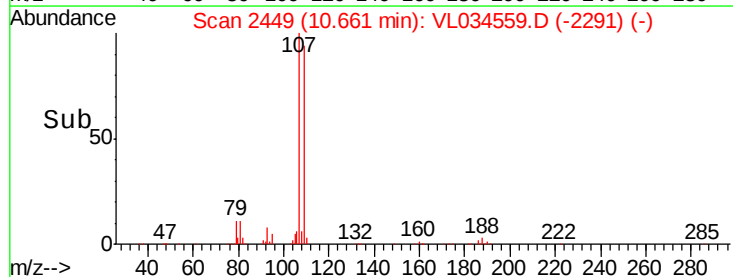
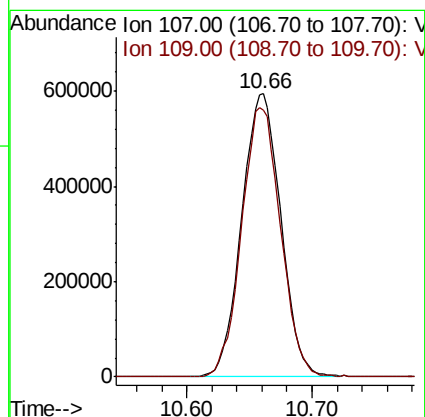
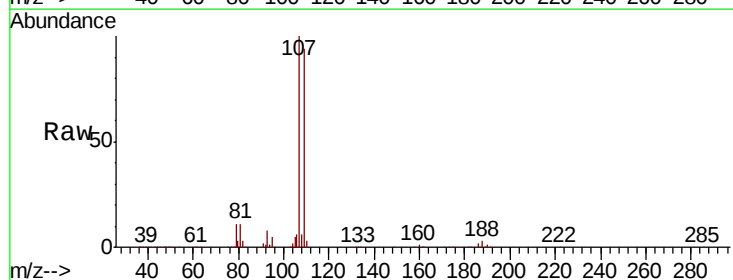
Acq: 27 Jan 2020 12:59

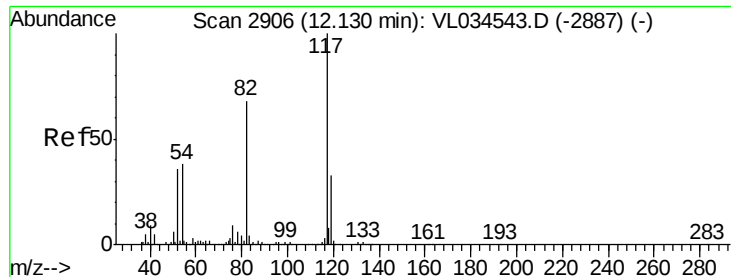
Tgt Ion: 107 Resp: 1288210

Ion Ratio Lower Upper

107 100

109 94.4 75.5 113.3

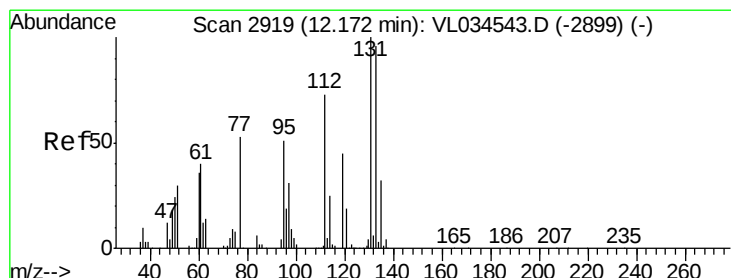
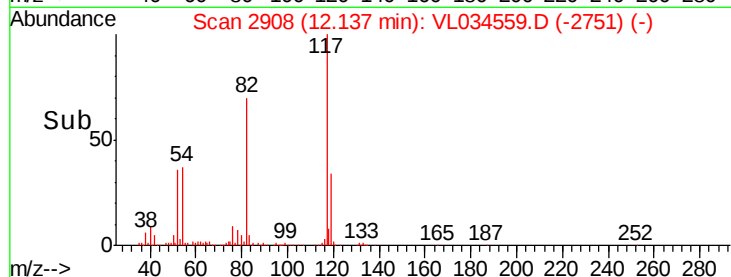
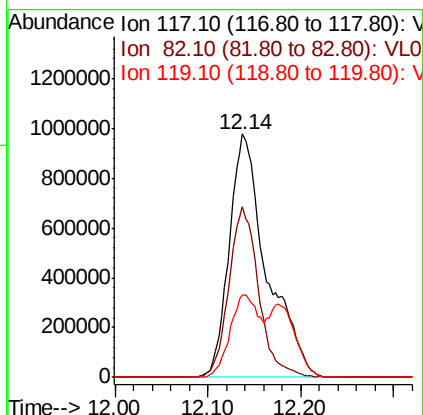
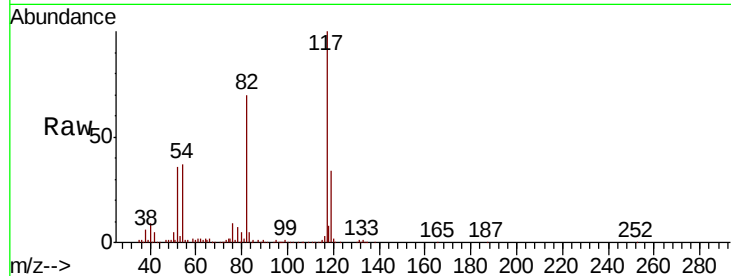




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.14 min Scan# 2908
Delta R.T. 0.00 min
Lab File: VL034559.D
Acq: 27 Jan 2020 12:59

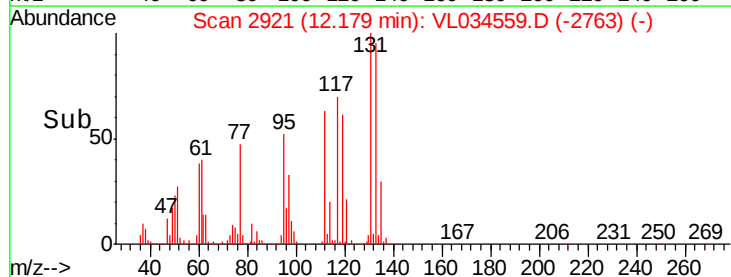
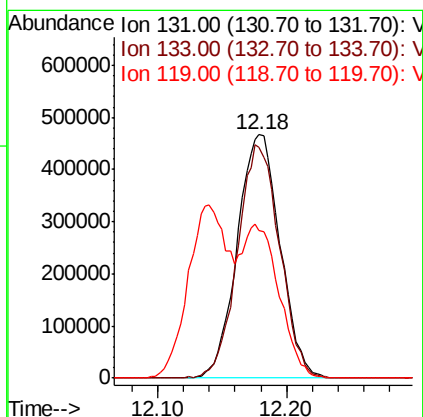
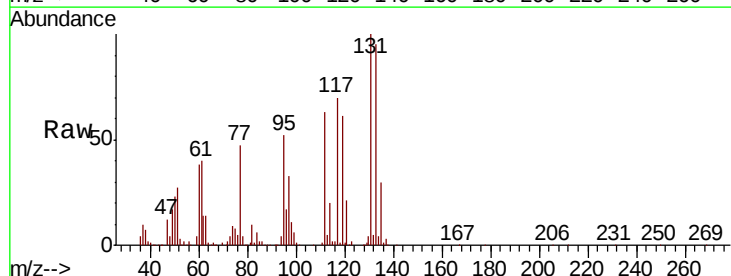
Instrument :
MSVOA_L
ClientSampleId :

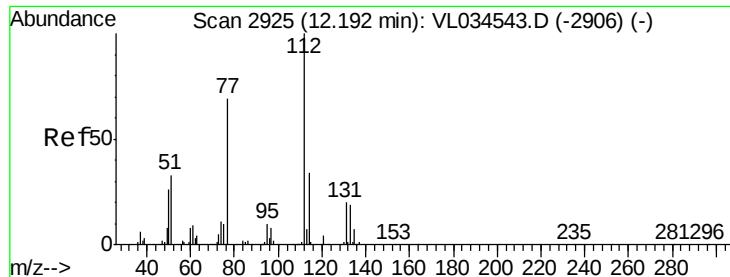
Tot Ion:117 Resp: 2748500
Ion Ratio Lower Upper
117 100
82 55.8 56.2 84.4#
119 26.3 27.1 40.7#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.106 ppbv
RT: 12.18 min Scan# 2921
Delta R.T. 0.01 min
Lab File: VL034559.D
Acq: 27 Jan 2020 12:59

Tgt Ion:131 Resp: 1075471
Ion Ratio Lower Upper
131 100
133 94.5 76.2 114.2
119 48.1 47.1 70.7

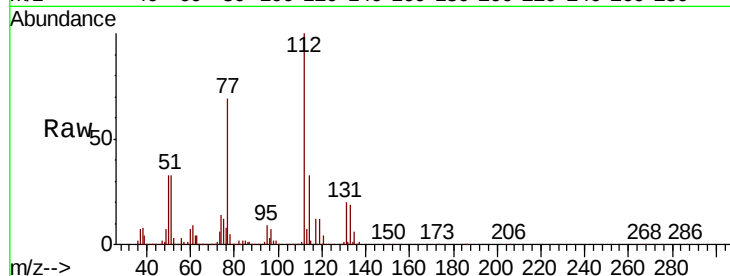




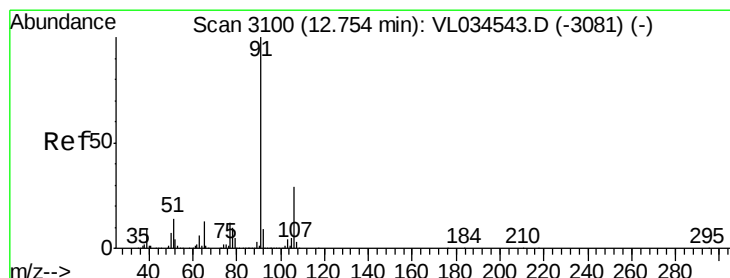
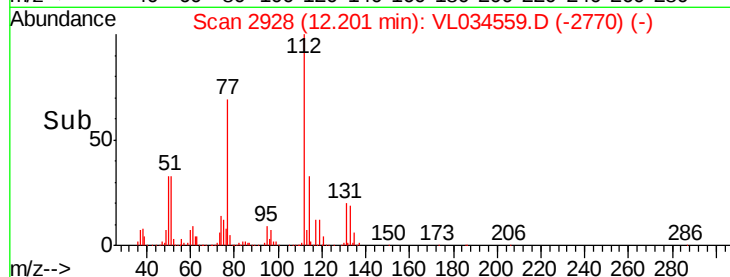
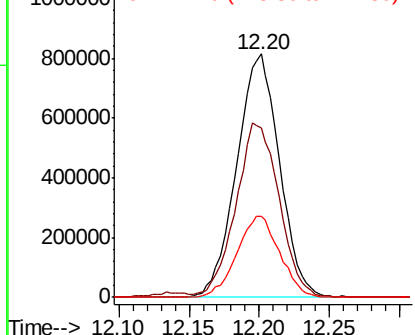
#57
Chlorobenzene
Concen: 7.639 ppbv
RT: 12.20 min Scan# 2928
Delta R.T. 0.01 min
Lab File: VL034559.D
Acq: 27 Jan 2020 12:59

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:112 Resp: 1732302
Ion Ratio Lower Upper
112 100
77 69.1 57.4 86.0
114 33.1 28.4 34.8

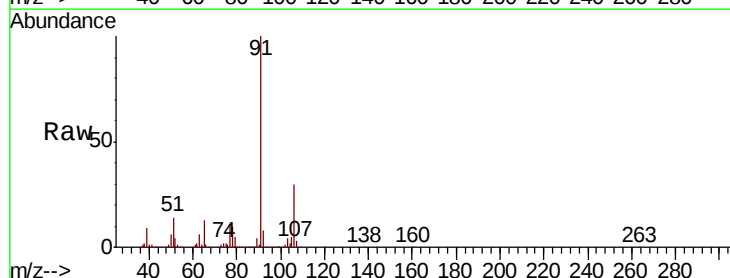


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

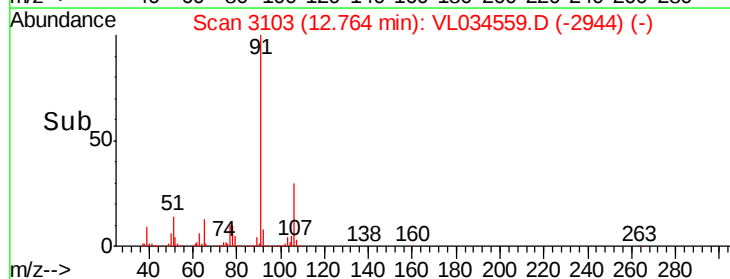
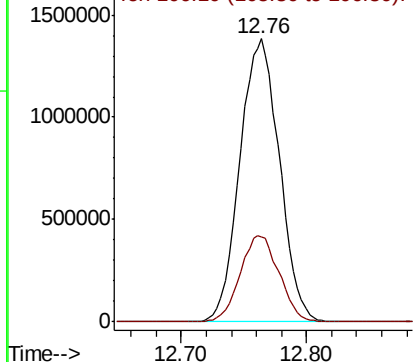


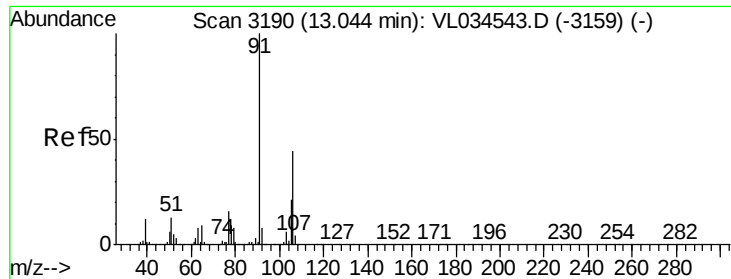
#58
Ethyl Benzene
Concen: 8.164 ppbv
RT: 12.76 min Scan# 3103
Delta R.T. 0.01 min
Lab File: VL034559.D
Acq: 27 Jan 2020 12:59

Tgt Ion: 91 Resp: 3025978
Ion Ratio Lower Upper
91 100
106 29.8 24.6 36.8



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V

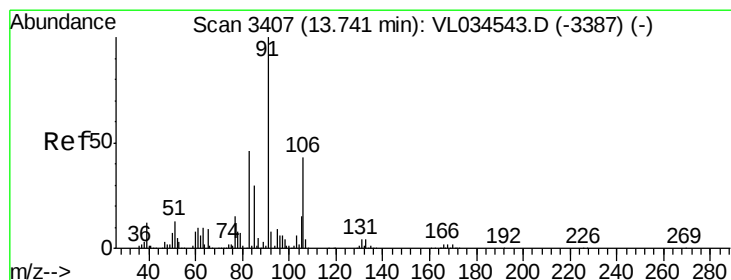
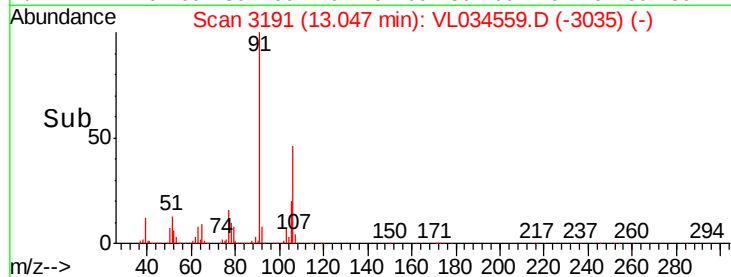
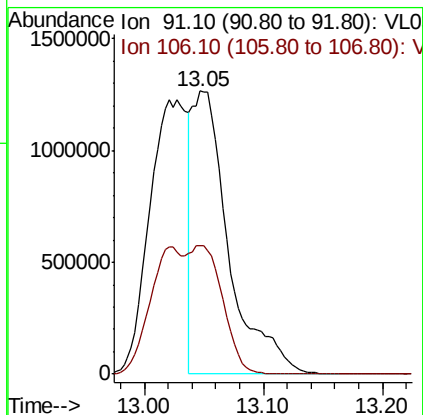
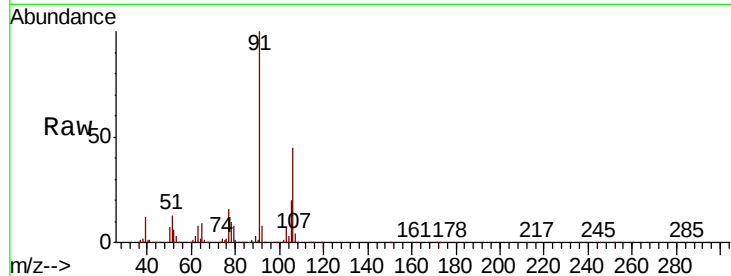




#59
m/p-Xylene
Concen: 8.310 ppbv
RT: 13.05 min Scan# 3191
Delta R.T. -0.00 min
Lab File: VL034559.D
Acq: 27 Jan 2020 12:59

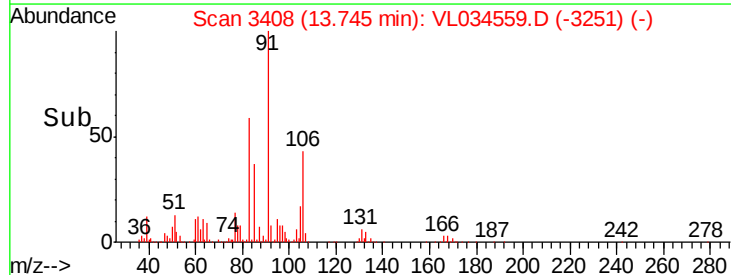
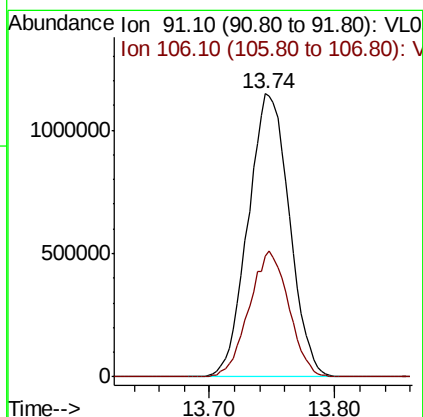
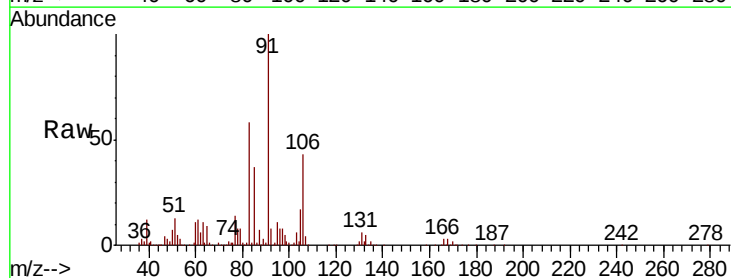
Instrument :
MSVOA_L
ClientSampleId :

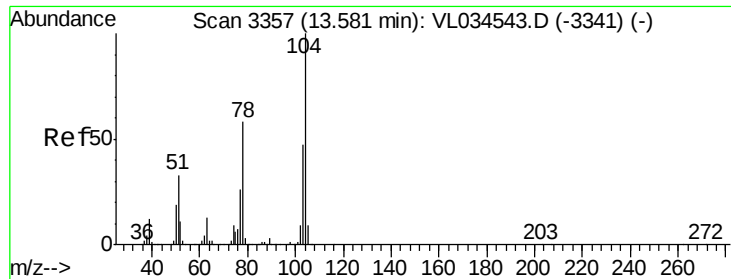
Tot Ion: 91 Resp: 2693569
Ion Ratio Lower Upper
91 100
106 83.9 35.6 53.4#



#60
o-Xylene
Concen: 8.095 ppbv
RT: 13.74 min Scan# 3408
Delta R.T. 0.00 min
Lab File: VL034559.D
Acq: 27 Jan 2020 12:59

Tgt Ion: 91 Resp: 2632900
Ion Ratio Lower Upper
91 100
106 42.9 21.4 64.3





#61

Stvrene

Concen: 8.220 ppbv

RT: 13.58 min Scan# 3358

Delta R.T. 0.01 min

Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

Instrument :

MSVOA_L

ClientSampled :

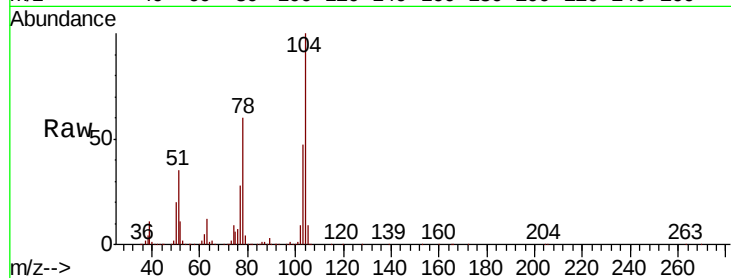
Tot Ion:104 Resp: 1828037

Ion Ratio Lower Upper

104 100

78 60.2 47.7 71.5

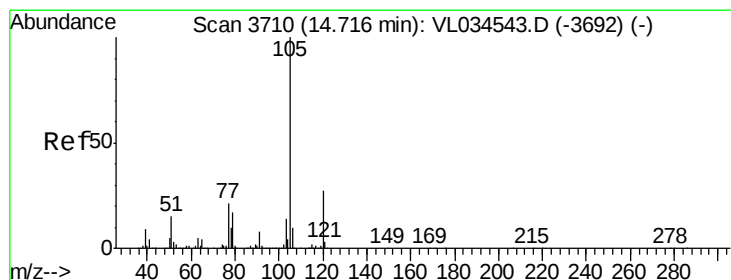
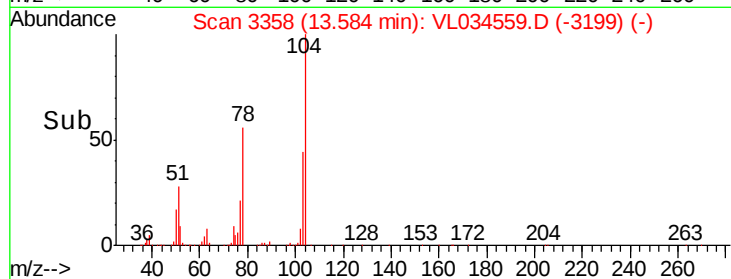
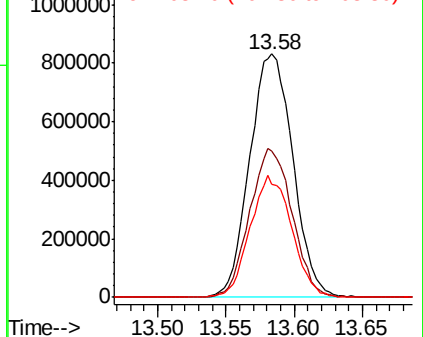
103 48.1 38.6 58.0



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: 8.006 ppbv

RT: 14.73 min Scan# 3713

Delta R.T. 0.01 min

Lab File: VL034559.D

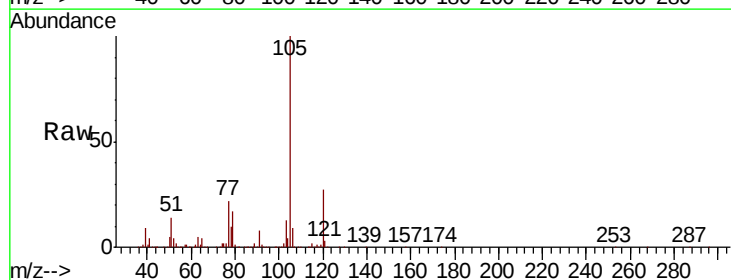
Acq: 27 Jan 2020 12:59

Tgt Ion:105 Resp: 3406336

Ion Ratio Lower Upper

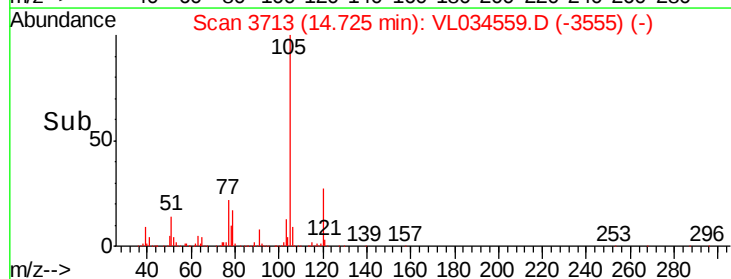
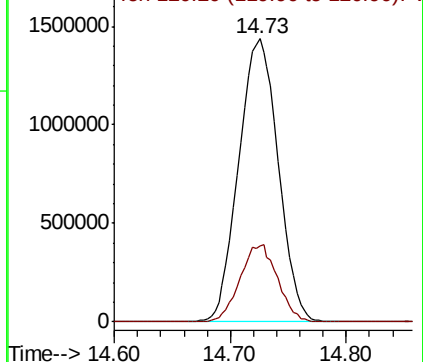
105 100

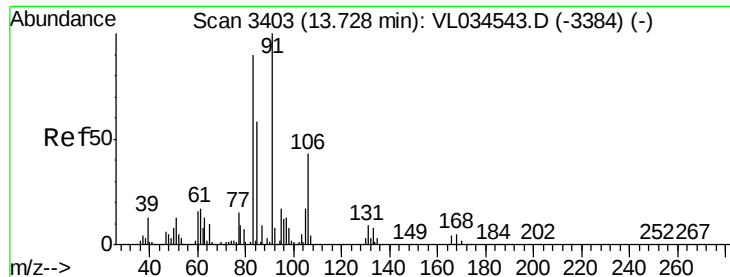
120 25.9 20.6 30.8



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: 7.225 ppbv

RT: 13.73 min Scan# 3405

Delta R.T. 0.01 min

Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

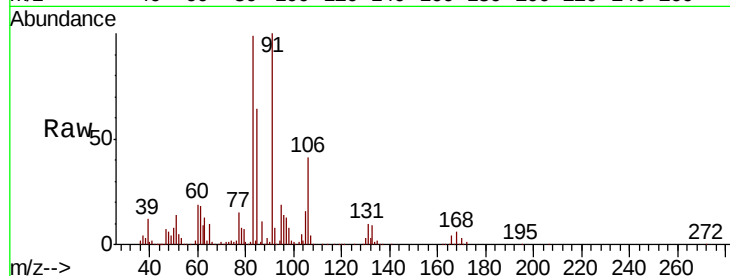
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 83 Resp: 1885163

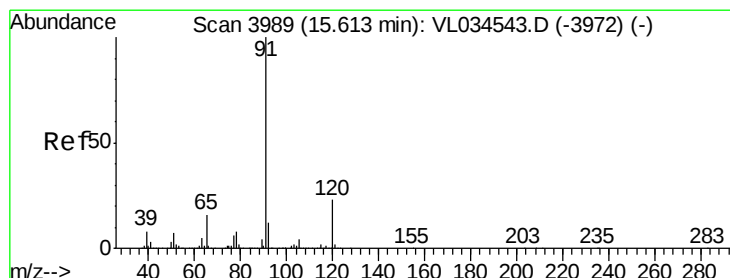
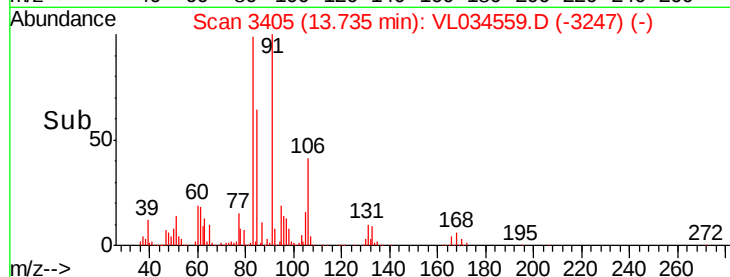
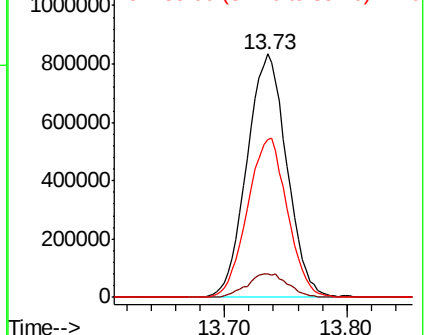
Ion	Ratio	Lower	Upper
83	100		
131	10.0	4.8	14.4
85	65.6	32.5	97.4



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: 8.256 ppbv

RT: 15.62 min Scan# 3992

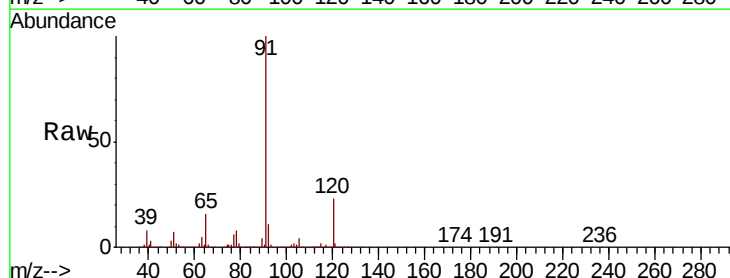
Delta R.T. 0.01 min

Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

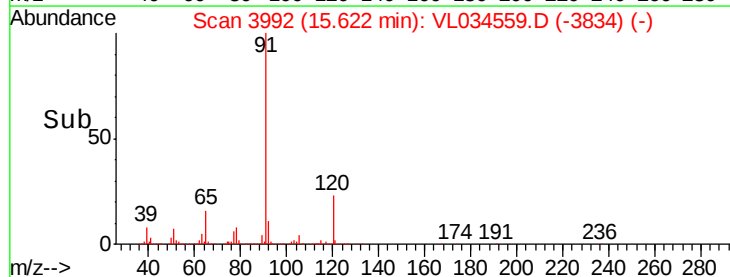
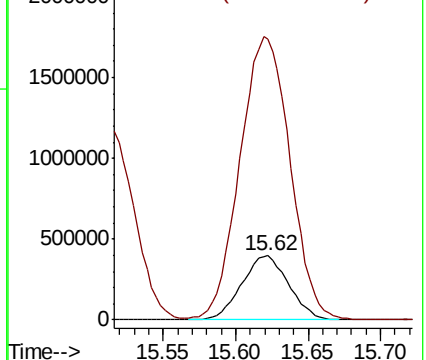
Tgt Ion:120 Resp: 896877

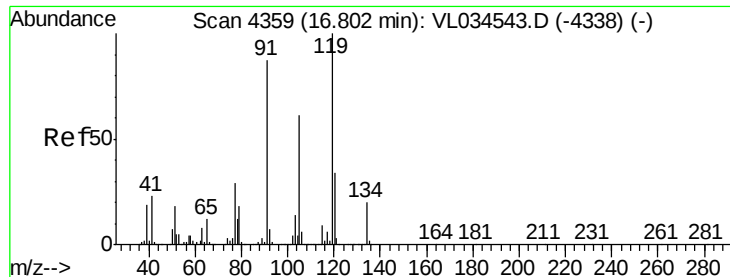
Ion	Ratio	Lower	Upper
120	100		
91	470.0	375.6	563.4



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 8.167 ppbv

RT: 16.81 min Scan# 4360

Delta R.T. 0.00 min

Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

Instrument :

MSVOA_L

ClientSampleId :

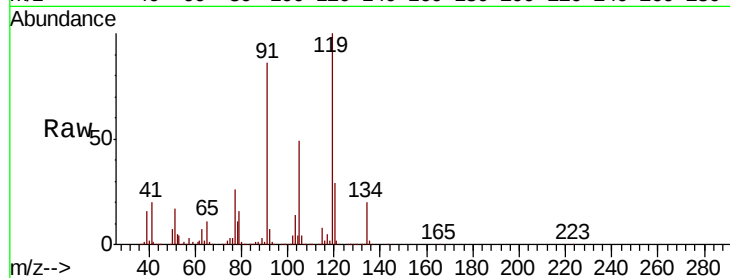
Tot Ion:119 Resp: 3139291

Ion Ratio Lower Upper

119 100

91 90.8 72.0 108.0

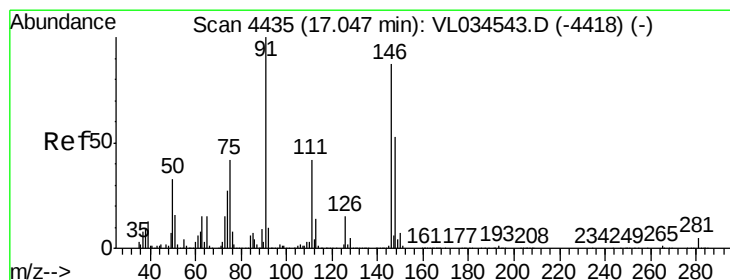
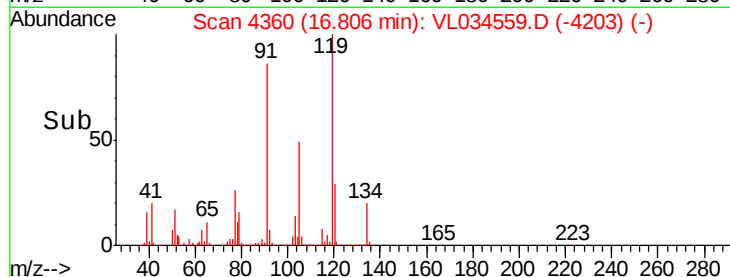
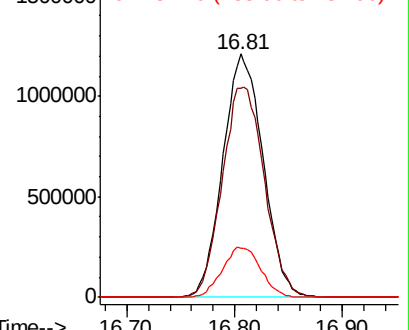
134 19.7 16.1 24.1



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: 9.348 ppbv

RT: 17.06 min Scan# 4438

Delta R.T. 0.01 min

Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

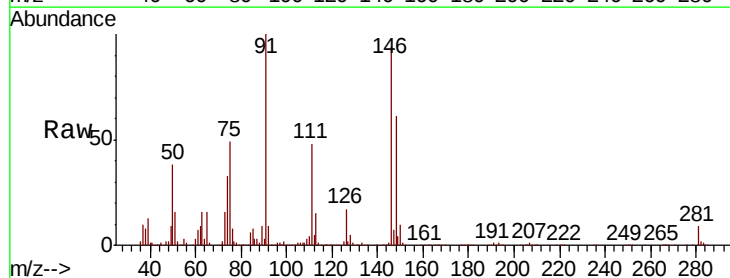
Tgt Ion: 91 Resp: 1574700

Ion Ratio Lower Upper

91 100

126 16.9 13.1 19.7

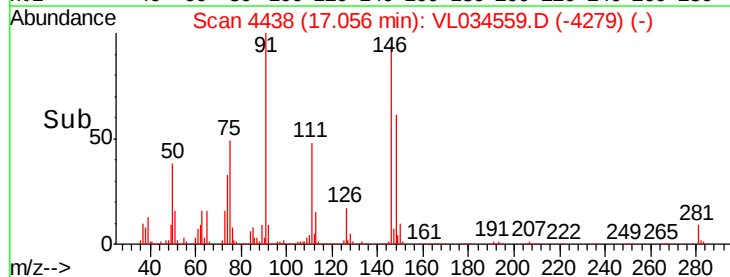
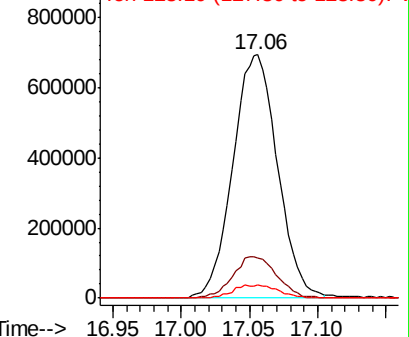
128 5.5 4.2 6.4

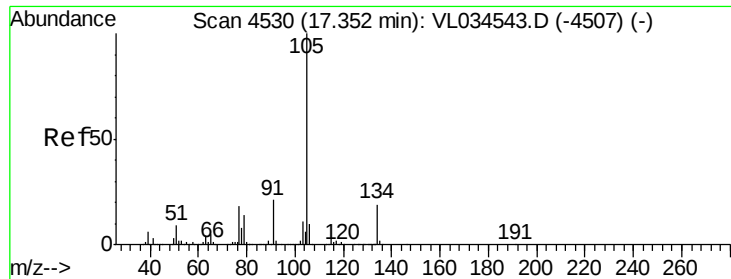


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.017 ppbv

RT: 17.36 min Scan# 4531

Delta R.T. 0.00 min

Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

Instrument :

MSVOA_L

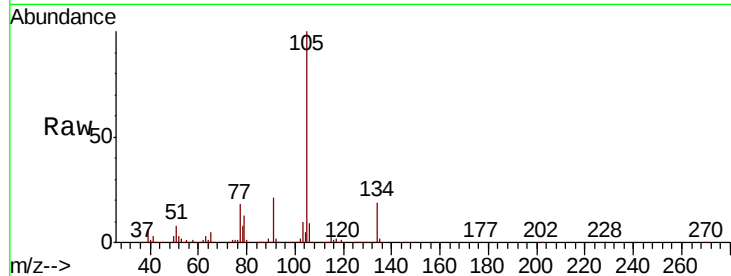
ClientSampleId :

Tot Ion:105 Resp: 4327382

Ion Ratio Lower Upper

105 100

134 18.9 15.1 22.7



Abundance Ion 105.10 (104.80 to 105.80): V

2000000 Ion 134.20 (133.90 to 134.90): V

17.36

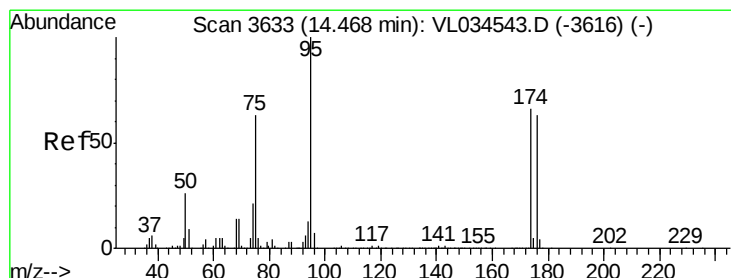
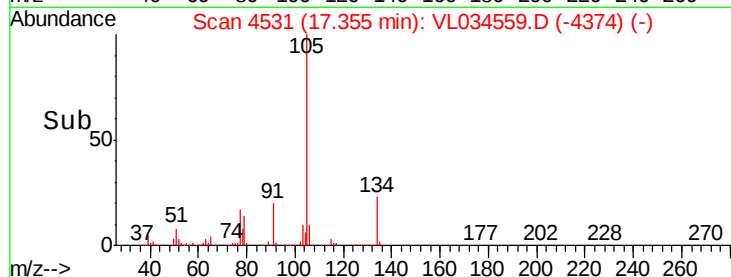
1500000

1000000

500000

0

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 7.987 ppbv

RT: 14.47 min Scan# 3635

Delta R.T. 0.01 min

Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

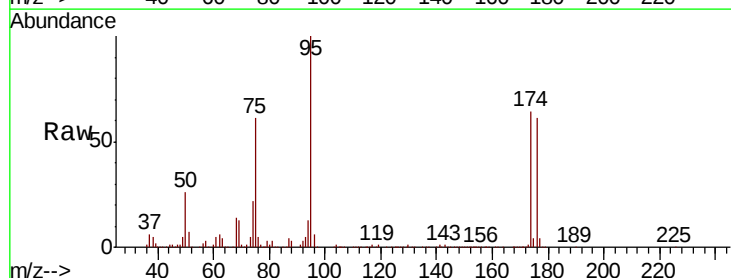
Tgt Ion: 95 Resp: 1831733

Ion Ratio Lower Upper

95 100

174 64.1 52.4 78.6

175 4.5 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

1000000

800000

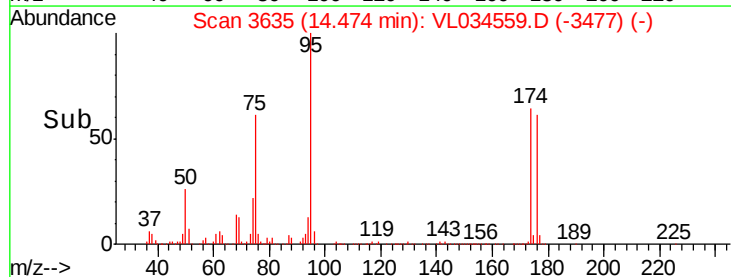
600000

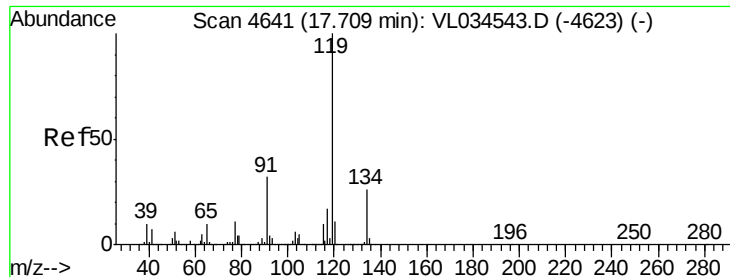
400000

200000

0

Time-->

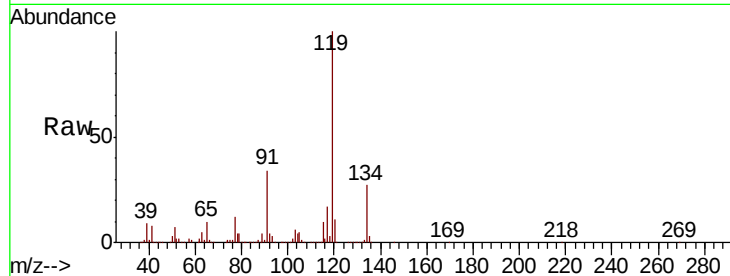




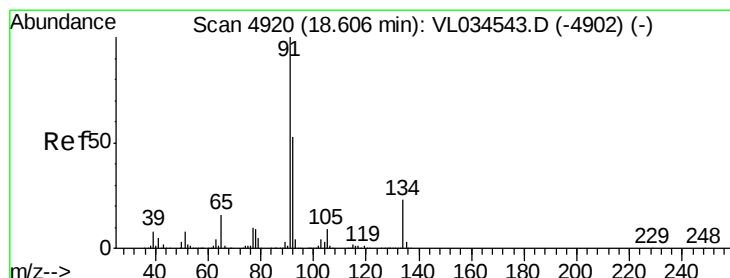
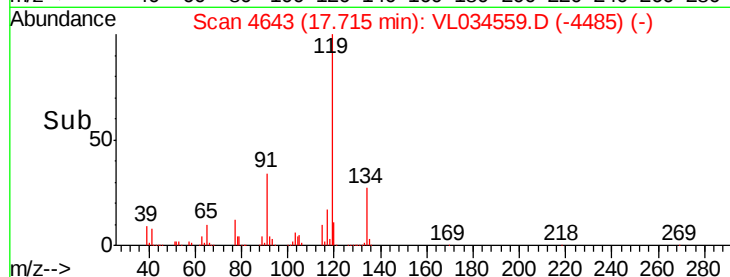
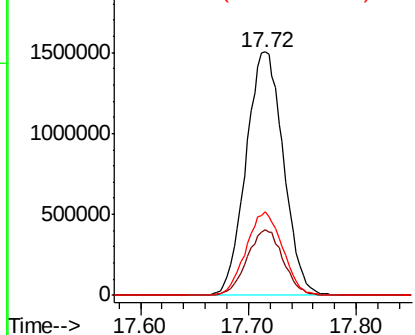
#69
 p-Isopropyltoluene
 Concen: 8.282 ppbv
 RT: 17.72 min Scan# 4643
 Delta R.T. 0.01 min
 Lab File: VL034559.D
 Acq: 27 Jan 2020 12:59

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:119 Resp: 3625944
 Ion Ratio Lower Upper
 119 100
 134 26.0 20.7 31.1
 91 33.6 26.6 39.8

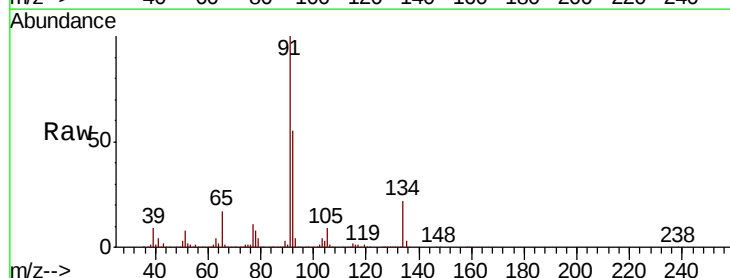


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

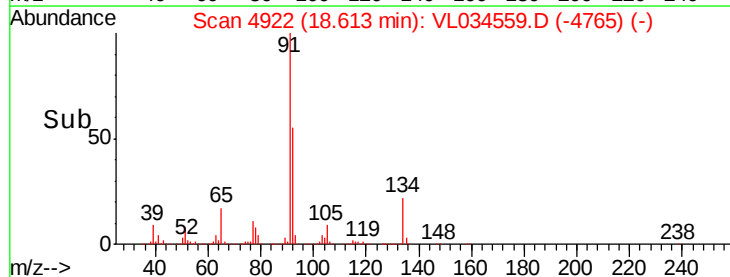
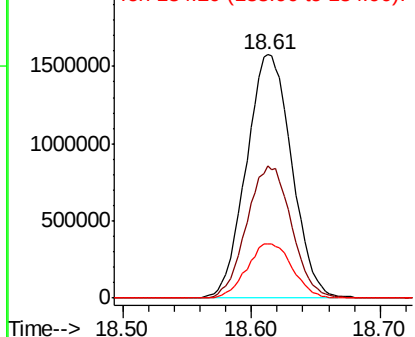


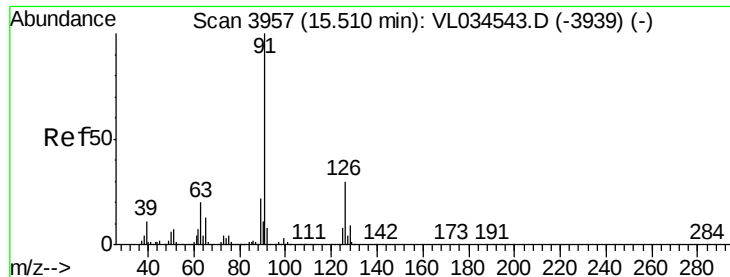
#70
 n-Butylbenzene
 Concen: 8.163 ppbv
 RT: 18.61 min Scan# 4922
 Delta R.T. 0.00 min
 Lab File: VL034559.D
 Acq: 27 Jan 2020 12:59

Tgt Ion: 91 Resp: 3855932
 Ion Ratio Lower Upper
 91 100
 92 53.7 43.8 65.6
 134 22.4 18.0 27.0



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: 8.168 ppbv

RT: 15.52 min Scan# 3959

Delta R.T. 0.01 min

Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

Instrument :

MSVOA_L

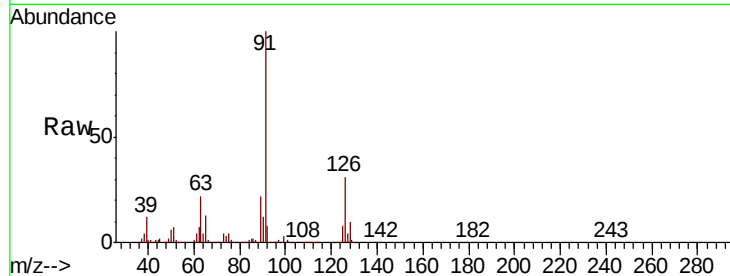
ClientSampleId :

Tot Ion: 91 Resp: 2698549

Ion Ratio Lower Upper

91 100

126 30.3 12.0 47.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

2000000

1500000

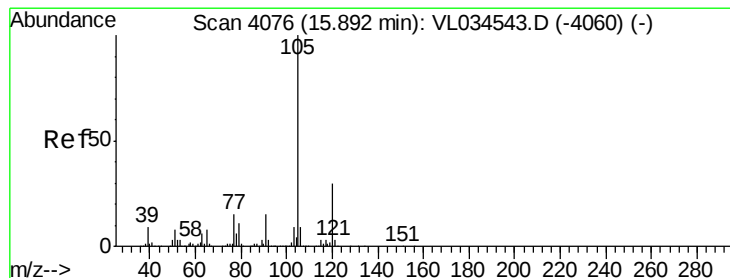
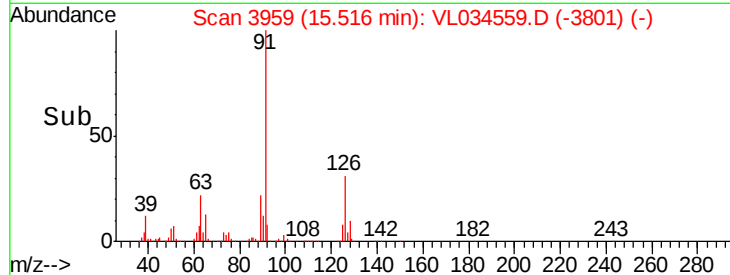
1000000

500000

0

Time--> 15.40 15.50 15.60

15.52



#72

4-Ethyltoluene

Concen: 8.180 ppbv

RT: 15.90 min Scan# 4078

Delta R.T. 0.01 min

Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

Tgt Ion:105 Resp: 2977311

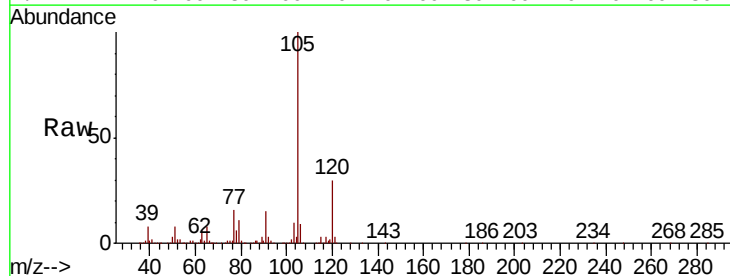
Ion Ratio Lower Upper

105 100

120 29.4 23.7 35.5

91 14.6 11.5 17.3

77 16.6 12.7 19.1



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

2000000

1500000

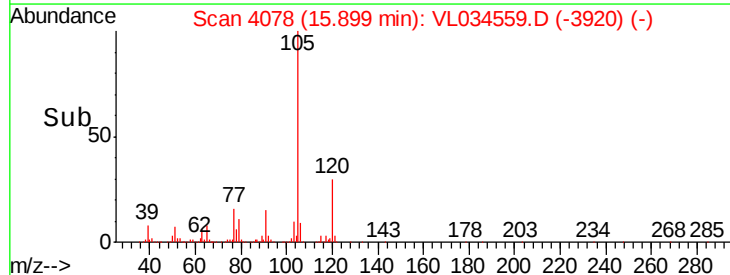
1000000

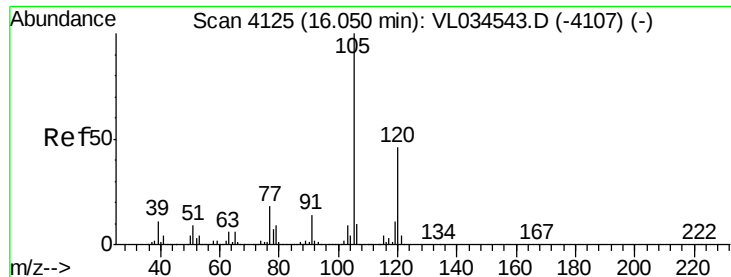
500000

0

Time--> 15.80 15.85 15.90 15.95

15.90





#73

1,3,5-Trimethylbenzene

Concen: 4.911 ppbv

RT: 16.06 min Scan# 4127

Delta R.T. 0.00 min

Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

Instrument :

MSVOA_L

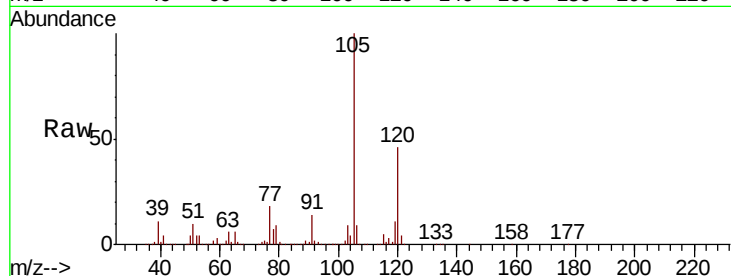
ClientSampled :

Tot Ion:105 Resp: 1753544

Ion Ratio Lower Upper

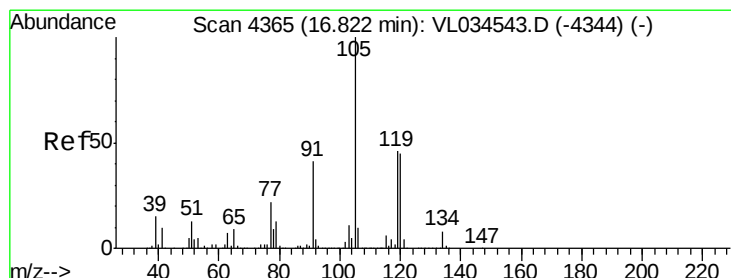
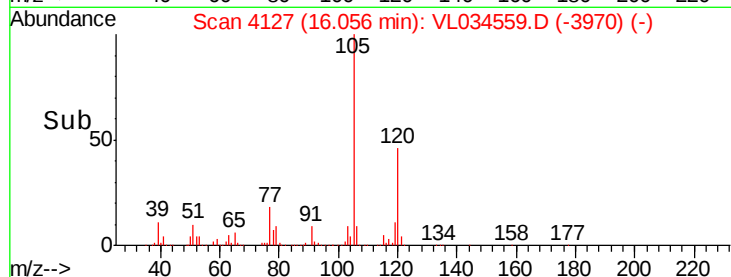
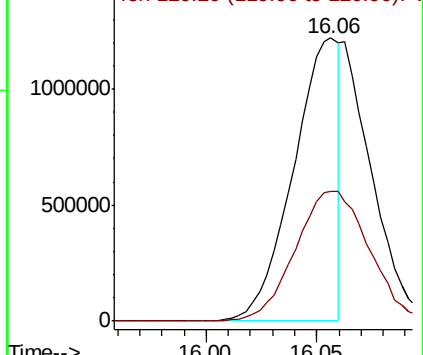
105 100

120 45.9 34.6 52.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 7.887 ppbv

RT: 16.82 min Scan# 4366

Delta R.T. 0.01 min

Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

Tgt Ion:105 Resp: 3012656

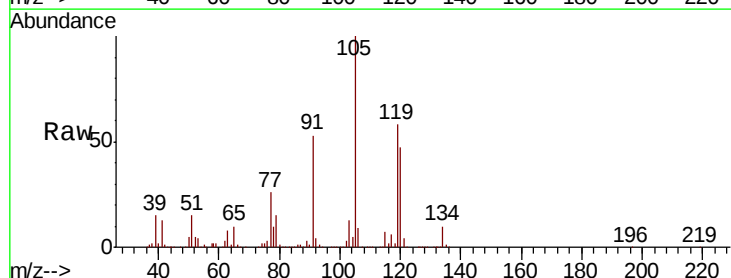
Ion Ratio Lower Upper

105 100

120 47.4 36.7 55.1

91 52.5 44.0 66.0

77 26.1 19.9 29.9

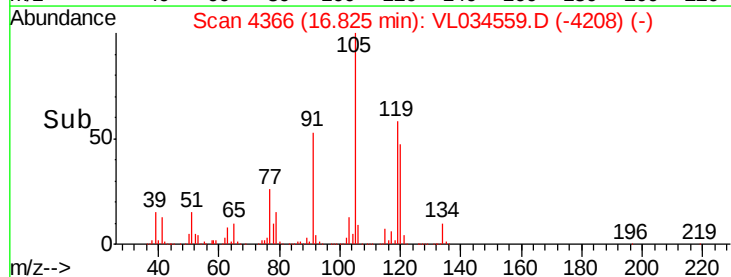
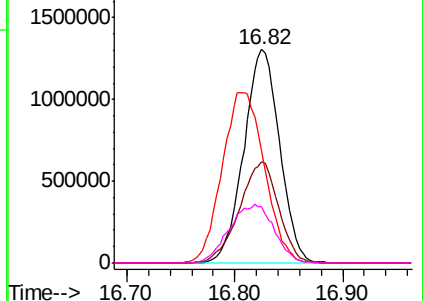


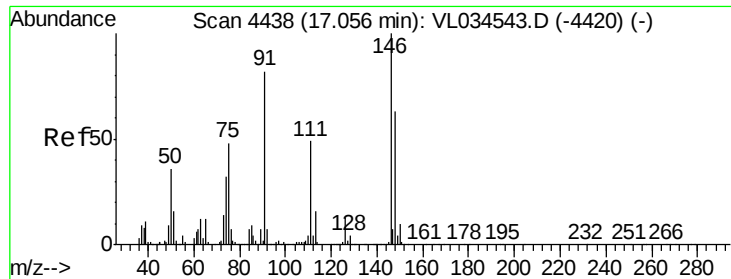
Abundance Ion 105.10 (104.80 to 105.80): V

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





#75

1,3-Dichlorobenzene

Concen: 7.428 ppbv

RT: 17.06 min Scan# 4440

Delta R.T. 0.01 min

Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

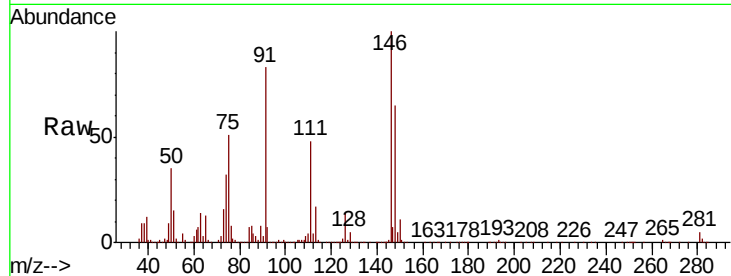
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:146 Resp: 1699490

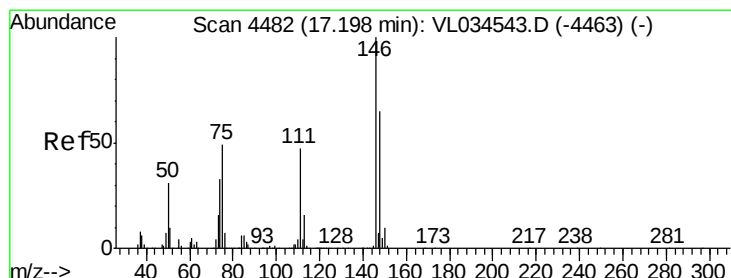
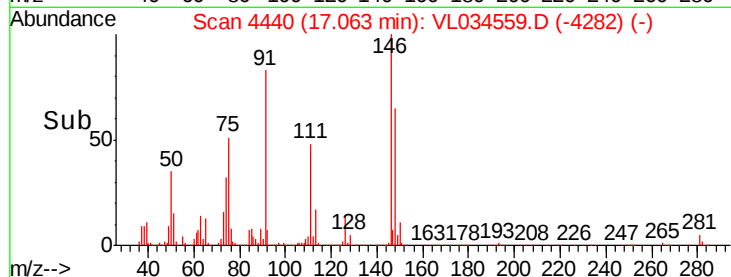
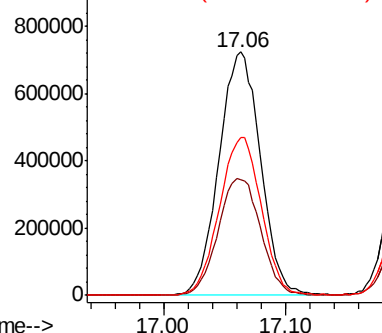
Ion	Ratio	Lower	Upper
146	100		
111	49.4	25.1	75.3
148	65.5	33.0	99.0



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



#76

1,4-Dichlorobenzene

Concen: 7.594 ppbv

RT: 17.21 min Scan# 4485

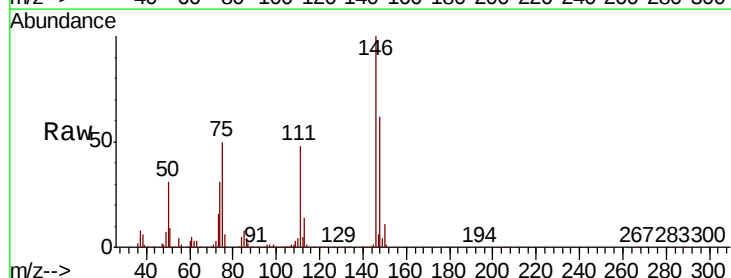
Delta R.T. 0.01 min

Lab File: VL034559.D

Acq: 27 Jan 2020 12:59

Tgt Ion:146 Resp: 1672770

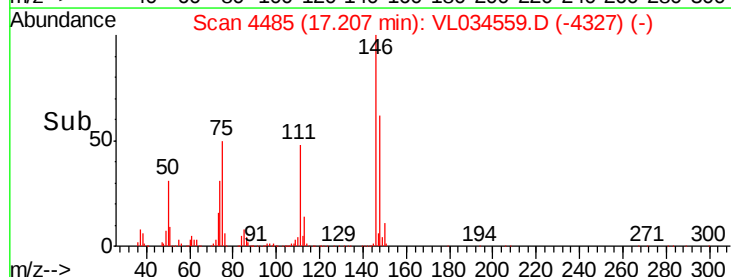
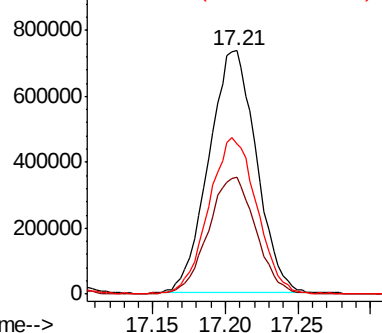
Ion	Ratio	Lower	Upper
146	100		
111	48.5	23.5	70.6
148	65.7	32.1	96.3

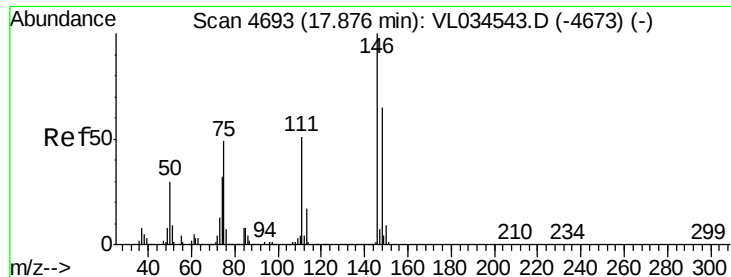


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

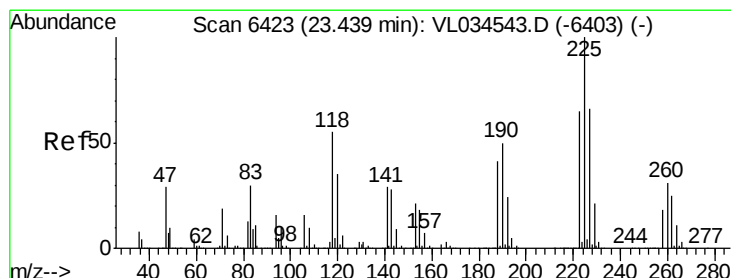
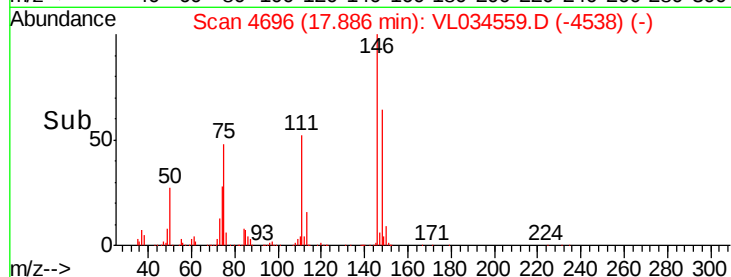
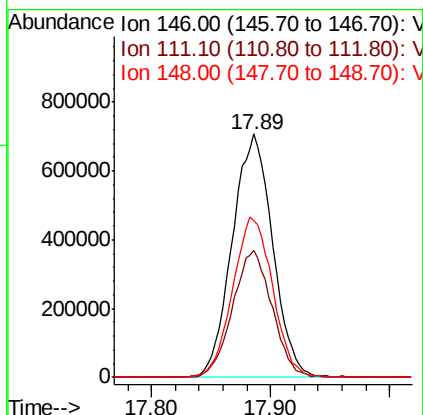
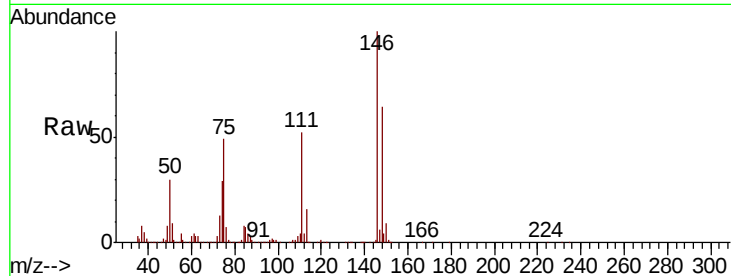




#77
 1,2-Dichlorobenzene
 Concen: 7.690 ppbv
 RT: 17.89 min Scan# 4696
 Delta R.T. 0.01 min
 Lab File: VL034559.D
 Acq: 27 Jan 2020 12:59

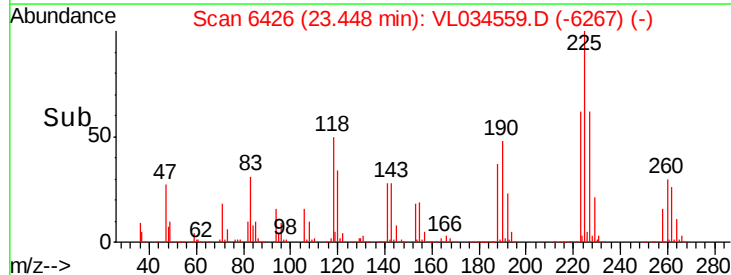
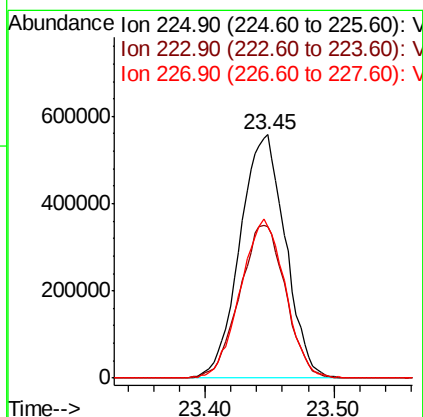
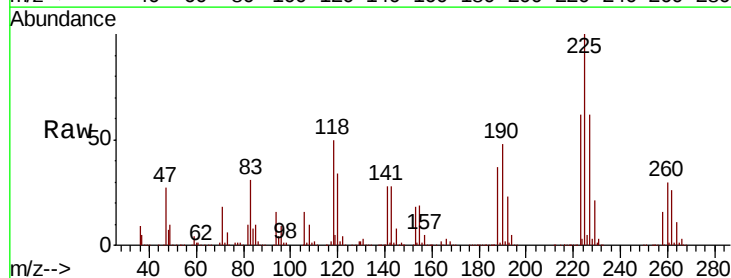
Instrument :
 MSVOA_L
 ClientSampled :

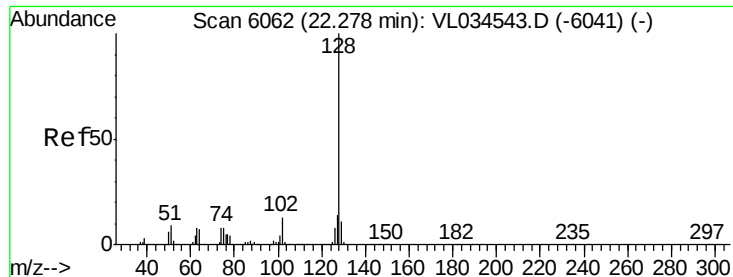
Tot Ion:146 Resp: 1653422
 Ion Ratio Lower Upper
 146 100
 111 51.3 25.3 75.8
 148 65.7 32.1 96.3



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.681 ppbv
 RT: 23.45 min Scan# 6426
 Delta R.T. 0.01 min
 Lab File: VL034559.D
 Acq: 27 Jan 2020 12:59

Tgt Ion:225 Resp: 1363491
 Ion Ratio Lower Upper
 225 100
 223 63.9 51.0 76.6
 227 64.6 51.8 77.6

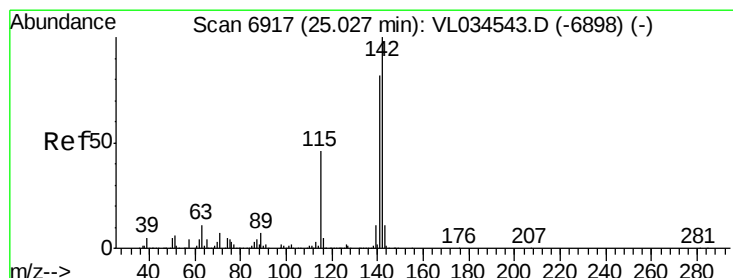
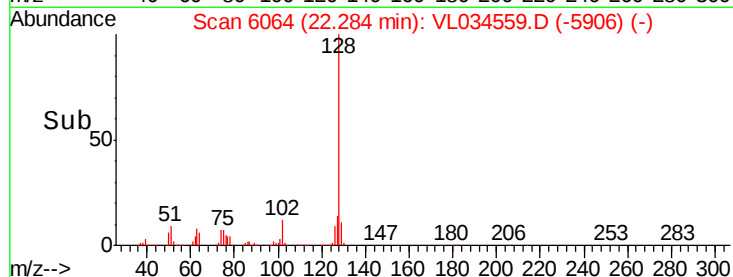
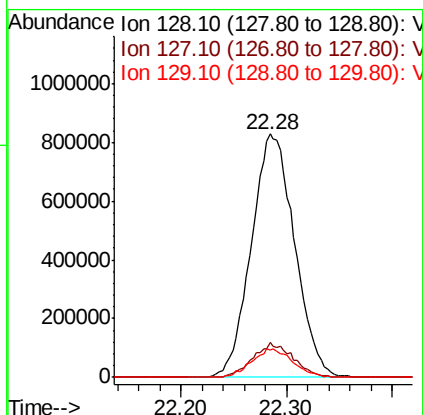
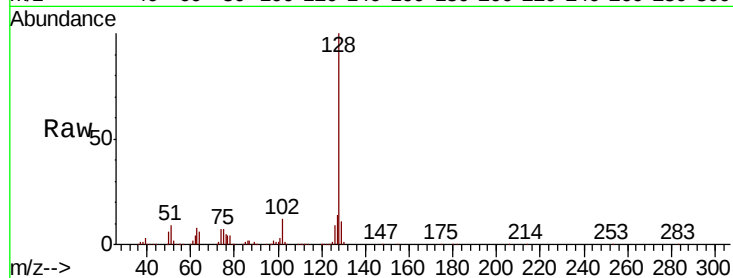




#79
Naphthalene
Concen: 8.194 ppbv
RT: 22.28 min Scan# 6064
Delta R.T. 0.01 min
Lab File: VL034559.D
Acq: 27 Jan 2020 12:59

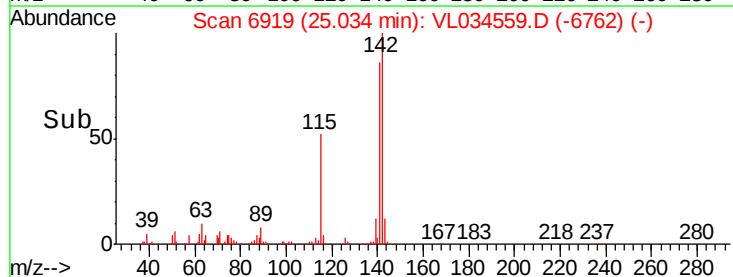
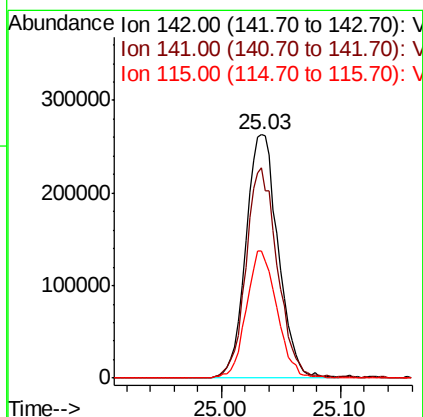
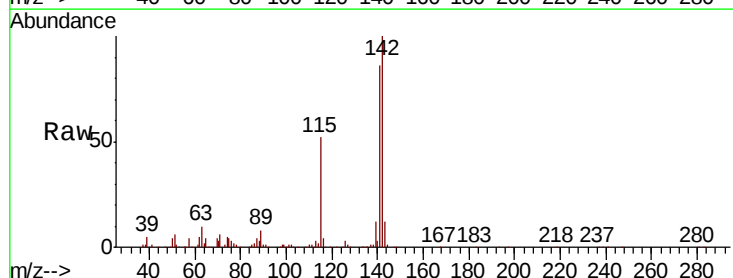
Instrument :
MSVOA_L
ClientSampled :

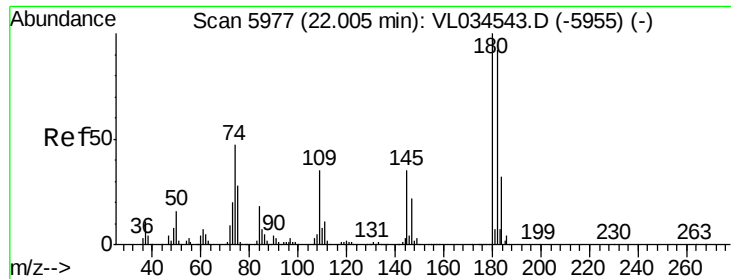
Tot Ion:128 Resp: 2357566
Ion Ratio Lower Upper
128 100
127 14.2 10.6 15.8
129 11.4 8.7 13.1



#80
Naphthalene, 2-methyl-
Concen: 6.203 ppbv
RT: 25.03 min Scan# 6919
Delta R.T. 0.00 min
Lab File: VL034559.D
Acq: 27 Jan 2020 12:59

Tgt Ion:142 Resp: 494375
Ion Ratio Lower Upper
142 100
141 84.8 65.8 98.8
115 50.0 30.4 45.6#





#81
 1,2,4-Trichlorobenzene
 Concen: 7.378 ppbv
 RT: 22.01 min Scan# 5980
 Delta R.T. 0.01 min
 Lab File: VL034559.D
 Acq: 27 Jan 2020 12:59

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 1382113
 Ion Ratio Lower Upper
 180 100
 182 96.0 77.8 116.8
 184 31.2 25.2 37.8

