

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101619\
 Data File : VL034309.D
 Acq On : 16 Oct 2019 22:44
 Operator : SY/AP
 Sample : K5111-14 0.5 PPB LOQ
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Oct 17 05:24:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL101619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 17 05:12:37 2019
 QLast Update : Thu Oct 17 05:12:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.71	49	1076399	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.23	114	2073910	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.17	117	2065576	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.51	95	1808208	10.34	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.40%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	120706	0.650 ppbv	97
3) Chlorodifluoromethane	2.98	51	67422	0.534 ppbv	99
4) Chloromethane	3.13	50	17342	0.232 ppbv	99
5) Vinyl Chloride	3.25	62	34900	0.490 ppbv	92
6) Bromomethane	3.47	94	18772	0.539 ppbv	91
7) Chloroethane	3.56	64	5964	0.238 ppbv	91
8) Dichlorotetrafluoroethane	3.18	85	90731	0.564 ppbv	97
9) Propene	3.00	41	13013	0.233 ppbv #	16
10) Heptane	8.18	43	62402	0.435 ppbv	97
11) Trichlorofluoromethane	3.96	101	100376	0.570 ppbv #	83
12) 1,1,2-Trichlorotrifluoroet	4.50	101	64144	0.556 ppbv	95
13) Ethanol	3.61	45	5041	0.403 ppbv #	36
14) Bromoethene	3.75	108	23111	0.509 ppbv #	89
15) Acetone	3.87	43	99154	0.644 ppbv	100
16) 1,3-Butadiene	3.32	39	29652	0.474 ppbv	94
18) 1,1-Dichloroethene	4.30	96	24222	0.479 ppbv	93
19) Isopropyl Alcohol	3.99	45	50430	0.587 ppbv #	91
20) Methylene Chloride	4.36	84	35528	0.638 ppbv #	93
21) Allvl Chloride	4.43	41	44368	0.521 ppbv	98
22) trans-1,2-Dichloroethene	4.92	96	12706	0.252 ppbv	81
23) Vinyl Acetate	5.10	43	82466	0.429 ppbv #	95
24) 1,1-Dichloroethane	5.04	63	73671	0.516 ppbv #	92
25) Ethyl Acetate	5.72	43	131456	0.506 ppbv	98
26) Hexane	5.72	57	55122	0.498 ppbv	94
27) Carbon Disulfide	4.57	76	52226	0.454 ppbv #	83
28) Methyl tert-Butyl Ether	5.07	73	77077	0.460 ppbv	95
29) Chloroform	5.79	83	91922	0.525 ppbv	99
30) Cyclohexane	7.19	84	27214	0.334 ppbv #	71
31) cis-1,2-Dichloroethene	5.59	61	48595	0.432 ppbv #	87
32) 1,1,1-Trichloroethane	6.56	97	83368	0.489 ppbv	98
34) 2-Butanone	5.29	43	76060	0.449 ppbv	95
35) Carbon Tetrachloride	7.08	117	36071	0.200 ppbv	92
36) Benzene	6.94	78	92226	0.463 ppbv	96
37) 1,2-Dichloroethane	6.35	62	78596	0.530 ppbv	99
38) Trichloroethene	7.90	130	35658	0.447 ppbv	99
39) 1,2-Dichloropropane	7.68	63	14168	0.165 ppbv	95
41) Tetrahydrofuran	6.11	42	39730	0.422 ppbv	98
42) Bromodichloromethane	7.85	83	87812	0.483 ppbv	89
43) Methyl Methacrylate	8.08	69	33002	0.401 ppbv	88
44) 2,2,4-Trimethylpentane	7.92	57	91145	0.247 ppbv #	40
45) t-1,3-Dichloropropene	9.35	75	27030	0.270 ppbv	90

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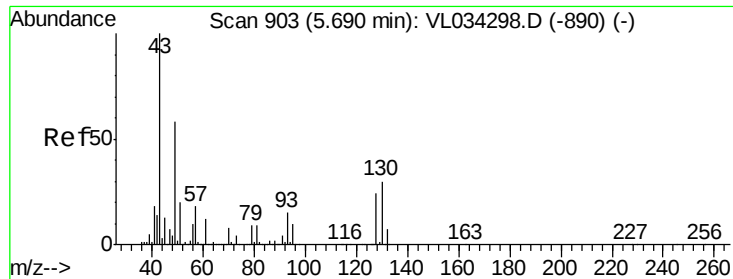
Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Oct 17 05:24:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL101619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 17 05:12:37 2019
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

46) cis-1,3-Dichloropropene	8.78	75	45759	0.397	ppbv #	79
47) 1,1,2-Trichloroethane	9.55	97	23025	0.265	ppbv	91
48) Dibromochloromethane	10.38	129	66324	0.466	ppbv	98
49) Bromoform	13.13	173	25525	0.202	ppbv #	19
50) 4-Methyl-2-Pentanone	8.82	43	110530	0.455	ppbv	99
51) 2-Hexanone	10.23	43	75635	0.380	ppbv #	95
52) Tetrachloroethene	11.29	164	11043	0.142	ppbv	92
53) Toluene	9.88	91	89611	0.408	ppbv	99
54) 1,2-Dibromoethane	10.69	107	58604	0.456	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.21	131	52459	0.551	ppbv #	1
57) Chlorobenzene	12.23	112	90821	0.527	ppbv	97
58) Ethyl Benzene	12.80	91	136762	0.474	ppbv	96
59) m/p-Xylene	13.09	91	73688	0.295	ppbv #	1
60) o-Xylene	13.78	91	60481	0.243	ppbv #	31
61) Styrene	13.62	104	44521	0.254	ppbv #	44
62) Isopropylbenzene	14.76	105	68063	0.207	ppbv #	35
63) 1,1,2,2-Tetrachloroethane	13.77	83	58421	0.292	ppbv #	44
64) n-propylbenzene	15.66	120	20265	0.240	ppbv #	1
65) tert-Butylbenzene	16.85	119	62017	0.213	ppbv #	14
66) Benzyl Chloride	17.09	91	34424	0.299	ppbv	99
67) sec-Butylbenzene	17.39	105	208455	0.508	ppbv	95
69) p-Isopropyltoluene	17.75	119	148554	0.444	ppbv	98
70) n-Butylbenzene	18.65	91	178262	0.490	ppbv	96
71) 2-Chlorotoluene	15.55	91	93727	0.368	ppbv	89
72) 4-Ethyltoluene	15.93	105	130404	0.466	ppbv	97
73) 1,3,5-Trimethylbenzene	16.09	105	70483	0.254	ppbv	86
74) 1,2,4-Trimethylbenzene	16.86	105	142803	0.494	ppbv	94
75) 1,3-Dichlorobenzene	17.10	146	47222	0.272	ppbv #	23
76) 1,4-Dichlorobenzene	17.24	146	83643	0.493	ppbv	98
77) 1,2-Dichlorobenzene	17.92	146	85674	0.503	ppbv	97
78) Hexachloro-1,3-Butadiene	23.48	225	42194	0.299	ppbv #	49
79) Naphthalene	22.33	128	40751	0.193	ppbv	97
80) Naphthalene,2-methyl-	25.07	142	13191	0.216	ppbv	93
81) 1,2,4-Trichlorobenzene	22.07	180	6977	0.051	ppbv #	1

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.71 min Scan# 908

Delta R.T. 0.02 min

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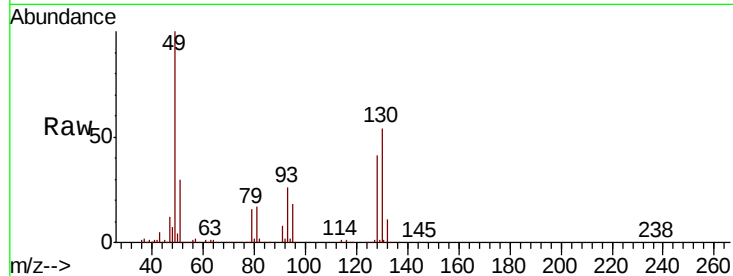
Tot Ion: 49 Resp: 1076399

Ion Ratio Lower Upper

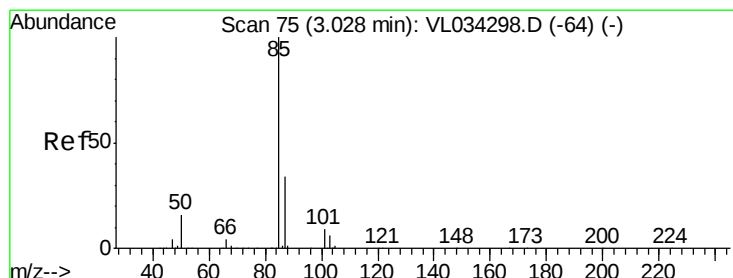
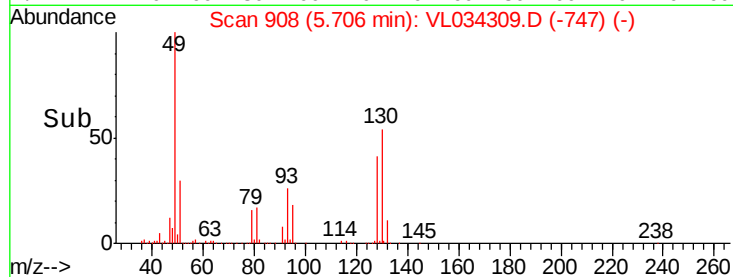
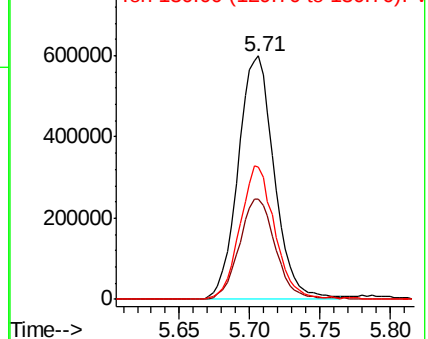
49 100

128 41.8 20.6 61.8

130 53.3 26.2 78.5



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: 0.650 ppbv

RT: 3.04 min Scan# 78

Delta R.T. 0.01 min

Lab File: VL034309.D

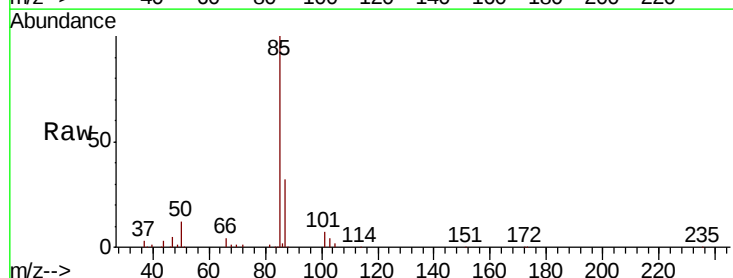
Acq: 16 Oct 2019 22:44

Tgt Ion: 85 Resp: 120706

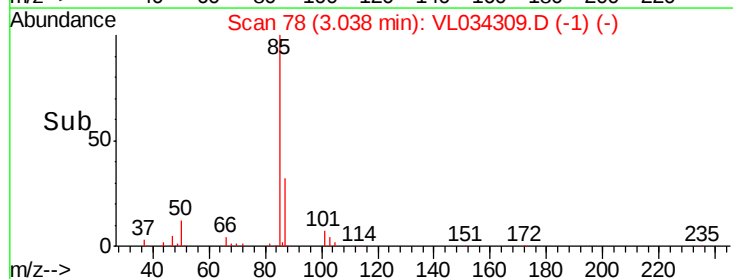
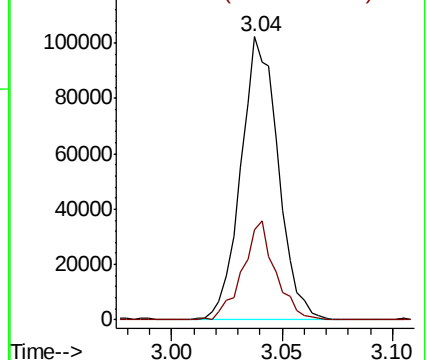
Ion Ratio Lower Upper

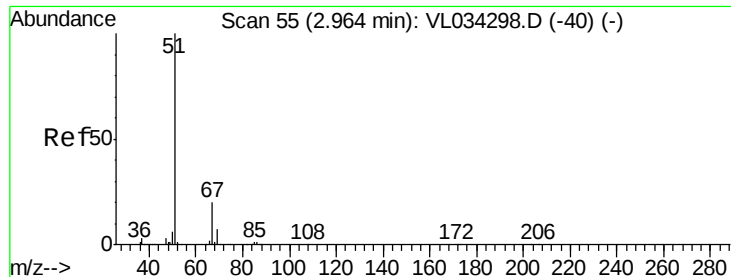
85 100

87 31.9 27.0 40.6



Abundance Ion 85.00 (84.70 to 85.70): VL0
Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.534 ppbv

RT: 2.98 min Scan# 59

Delta R.T. 0.01 min

Lab File: VL034309.D

Acq: 16 Oct 2019 22:44

Instrument :

MSVOA_L

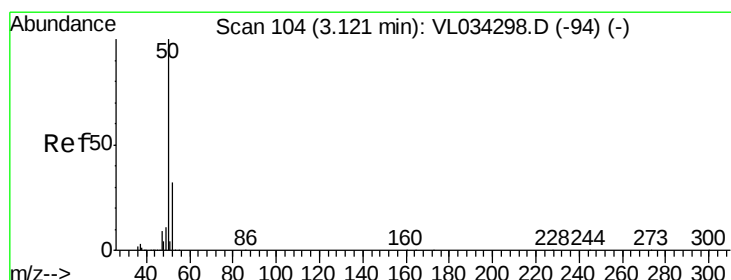
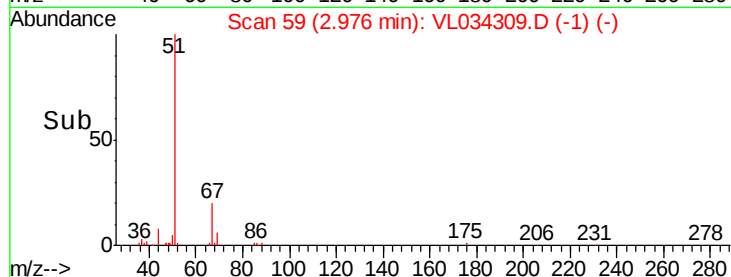
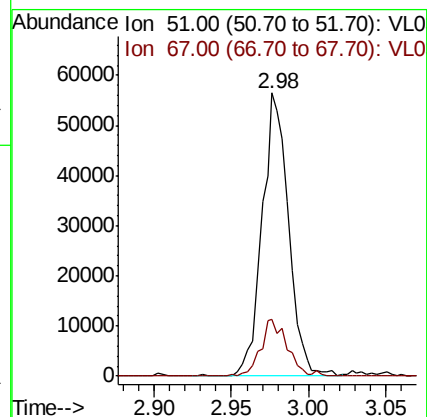
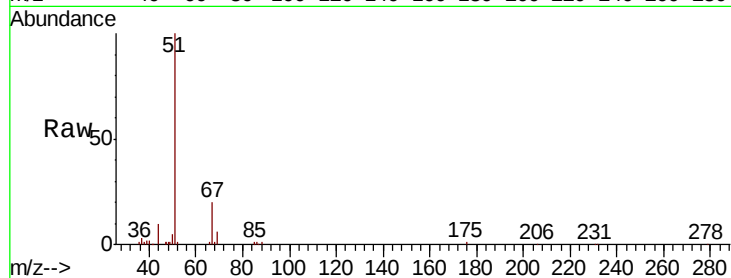
ClientSampleId :

Tot Ion: 51 Resp: 67422

Ion Ratio Lower Upper

51 100

67 20.4 15.8 23.8



#4

Chloromethane

Concen: 0.232 ppbv

RT: 3.13 min Scan# 106

Delta R.T. 0.01 min

Lab File: VL034309.D

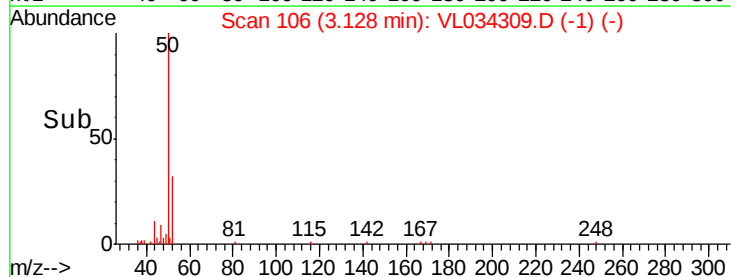
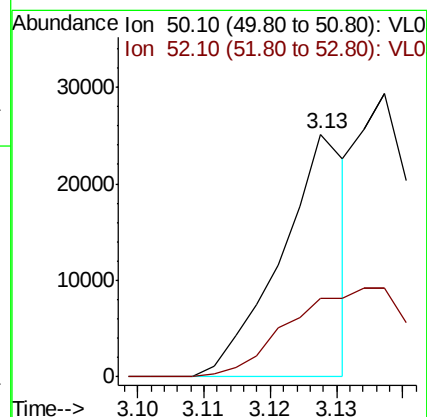
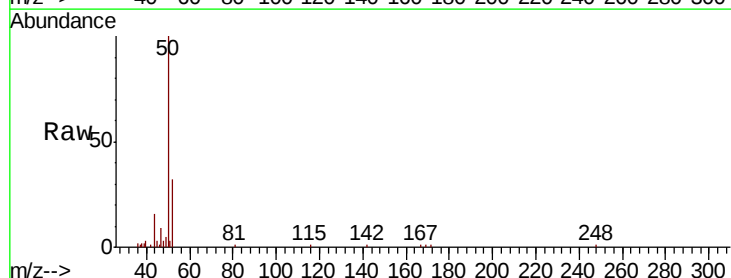
Acq: 16 Oct 2019 22:44

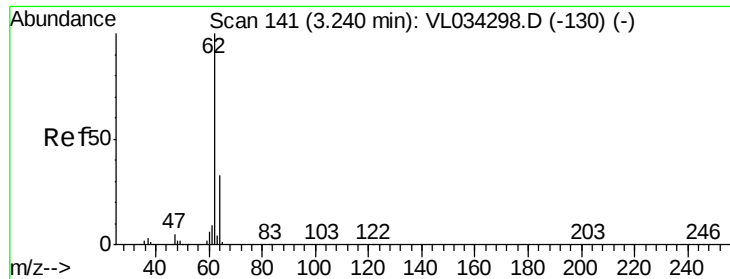
Tgt Ion: 50 Resp: 17342

Ion Ratio Lower Upper

50 100

52 32.3 25.4 38.2





#5

Vinyl Chloride

Concen: 0.490 ppbv

RT: 3.25 min Scan# 145

Delta R.T. 0.01 min

Lab File: VL034309.D

Acq: 16 Oct 2019 22:44

Instrument :

MSVOA_L

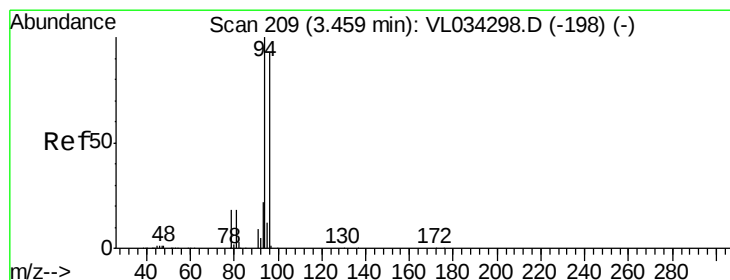
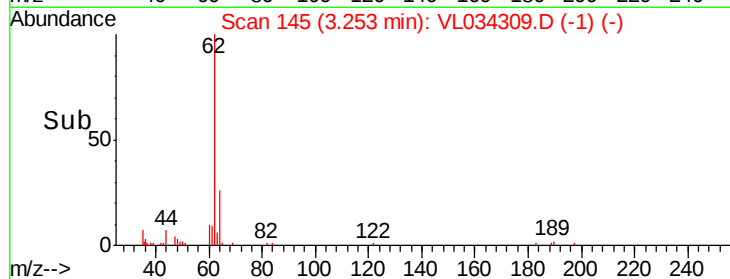
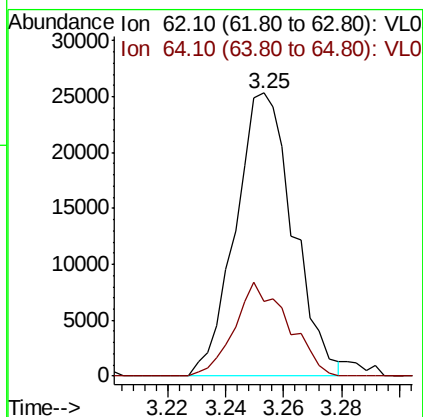
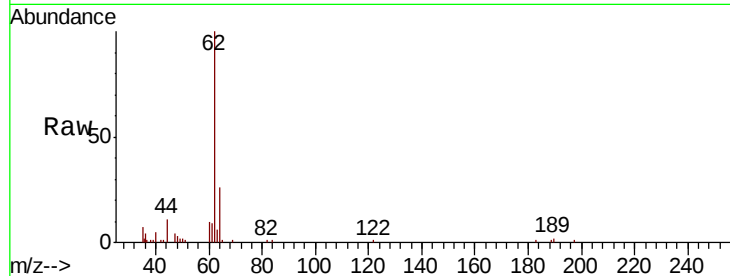
ClientSampled :

Tot Ion: 62 Resp: 34900

Ion Ratio Lower Upper

62 100

64 27.8 26.0 39.0



#6

Bromomethane

Concen: 0.539 ppbv

RT: 3.47 min Scan# 213

Delta R.T. 0.01 min

Lab File: VL034309.D

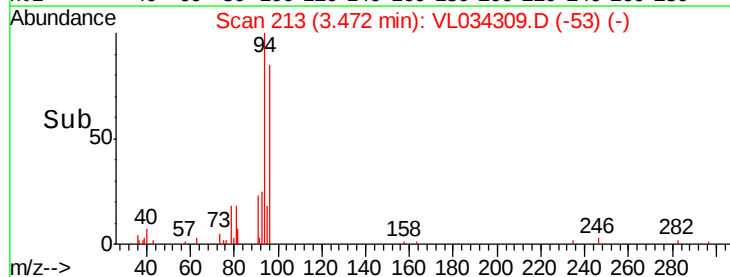
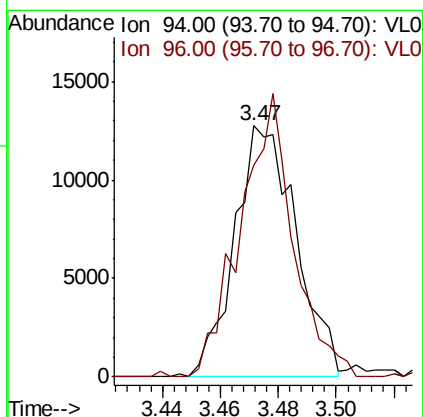
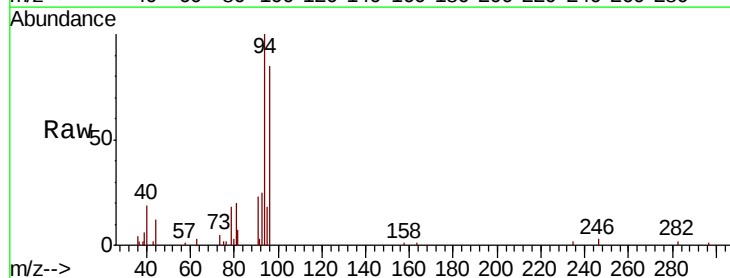
Acq: 16 Oct 2019 22:44

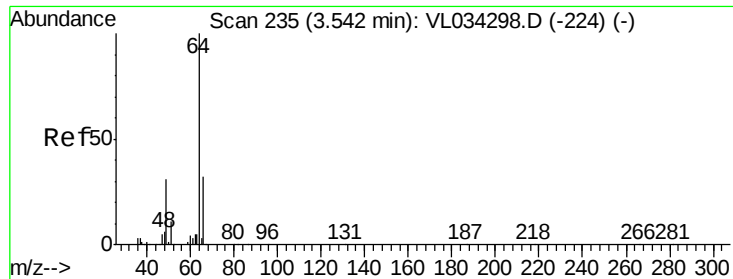
Tgt Ion: 94 Resp: 18772

Ion Ratio Lower Upper

94 100

96 84.5 74.6 112.0





#7

Chloroethane

Concen: 0.238 ppbv

RT: 3.56 min Scan# 239

Delta R.T. 0.01 min

Lab File: VL034309.D

Acq: 16 Oct 2019 22:44

Instrument :

MSVOA_L

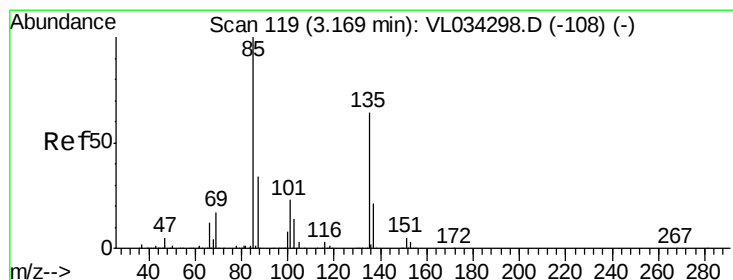
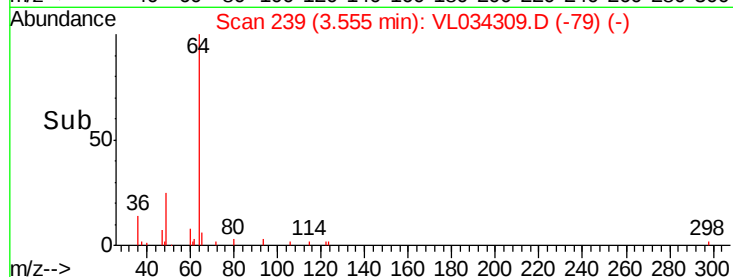
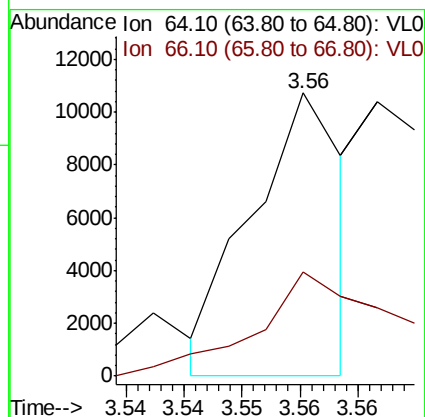
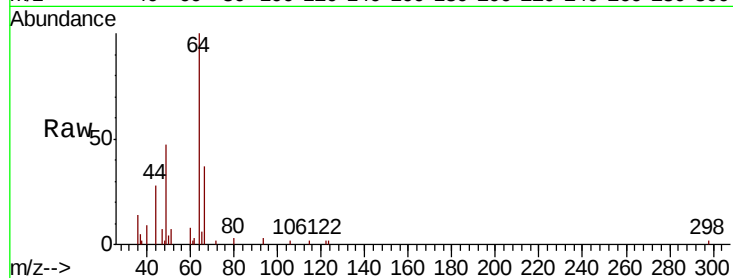
ClientSampleId :

Tot Ion: 64 Resp: 5964

Ion Ratio Lower Upper

64 100

66 36.8 25.4 38.0



#8

Dichlorotetrafluoroethane

Concen: 0.564 ppbv

RT: 3.18 min Scan# 122

Delta R.T. 0.01 min

Lab File: VL034309.D

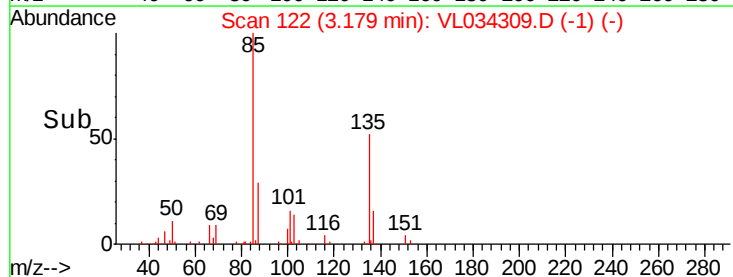
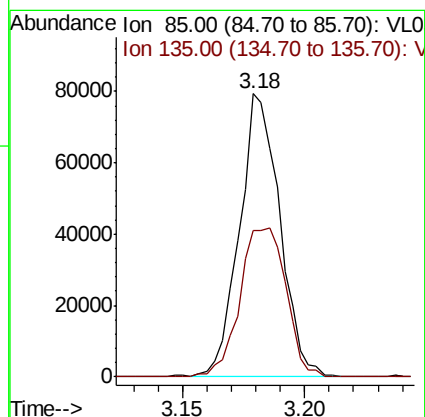
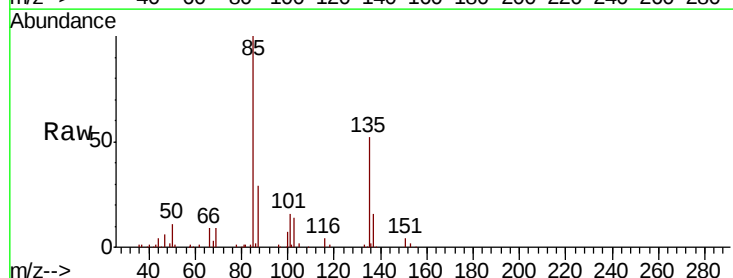
Acq: 16 Oct 2019 22:44

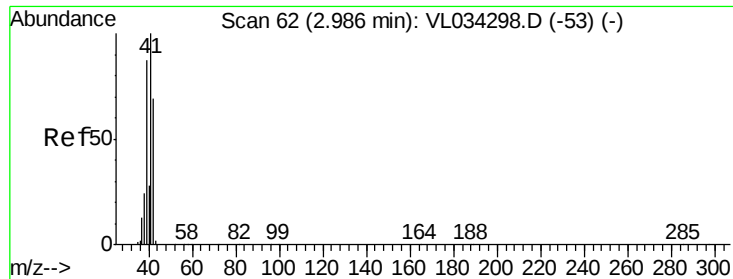
Tgt Ion: 85 Resp: 90731

Ion Ratio Lower Upper

85 100

135 60.1 50.2 75.2





#9

Propene

Concen: 0.233 ppbv

RT: 3.00 min Scan# 65

Delta R.T. 0.01 min

Lab File: VL034309.D

Acq: 16 Oct 2019 22:44

Instrument :

MSVOA_L

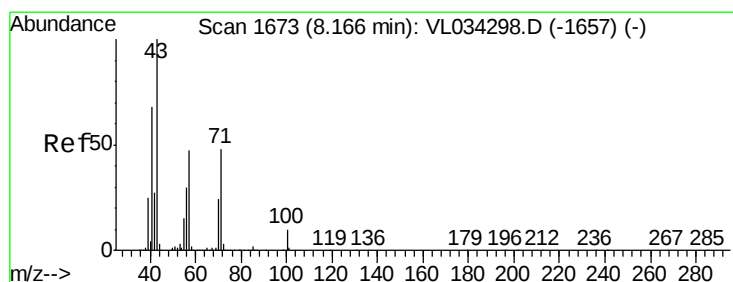
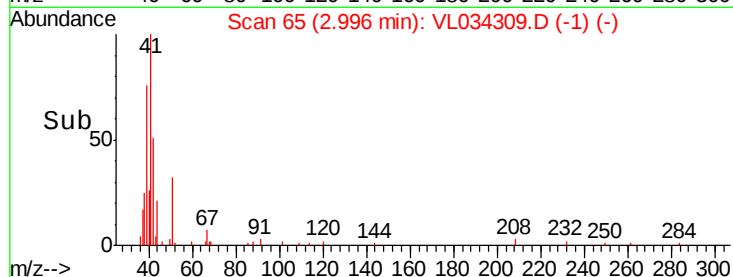
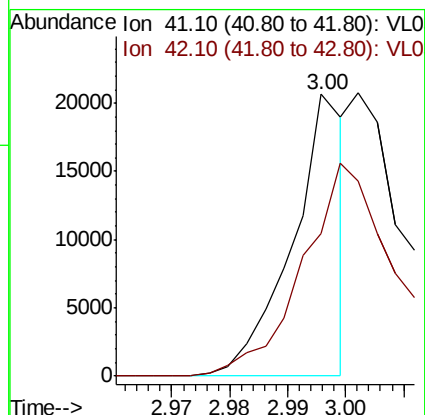
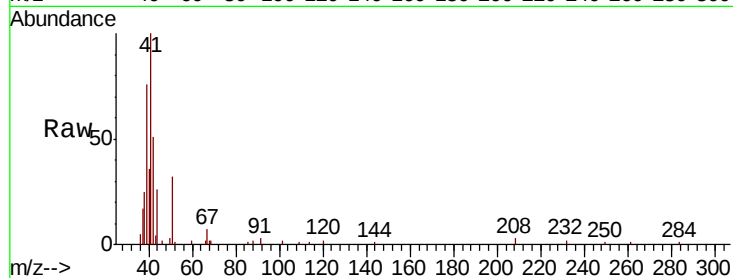
ClientSampleId :

Tot Ion: 41 Resp: 13013

Ion Ratio Lower Upper

41 100

42 0.0 53.9 80.9#



#10

Heptane

Concen: 0.435 ppbv

RT: 8.18 min Scan# 1678

Delta R.T. 0.02 min

Lab File: VL034309.D

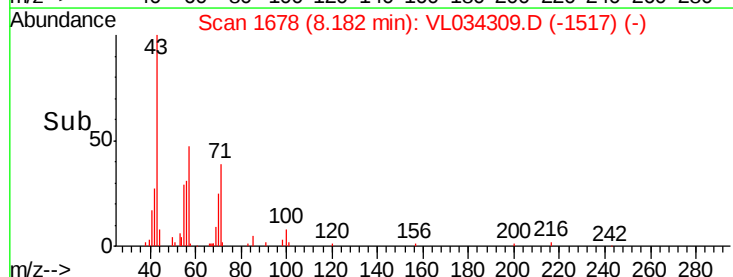
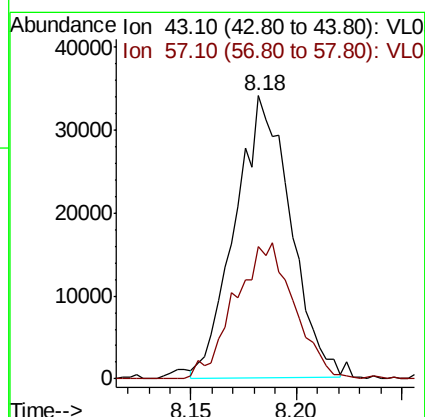
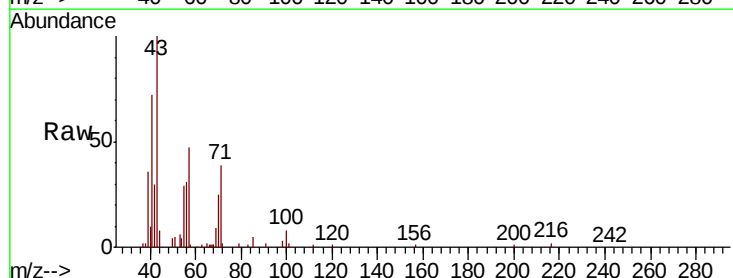
Acq: 16 Oct 2019 22:44

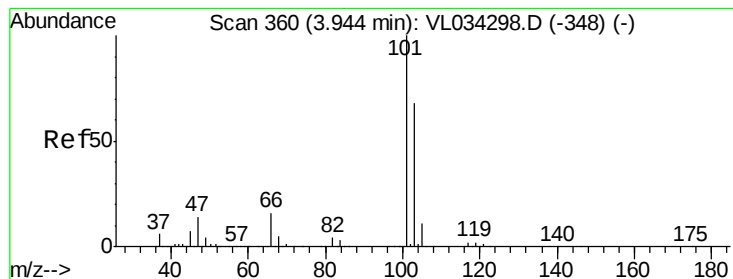
Tgt Ion: 43 Resp: 62402

Ion Ratio Lower Upper

43 100

57 51.6 39.5 59.3





#11

Trichlorofluoromethane

Concen: 0.570 ppbv

RT: 3.96 min Scan# 365

Delta R.T. 0.02 min

Lab File: VL034309.D

Acq: 16 Oct 2019 22:44

Instrument :

MSVOA_L

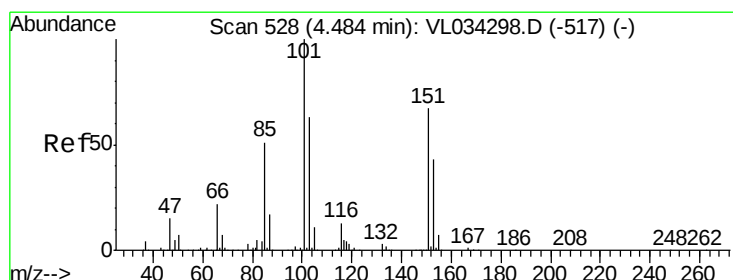
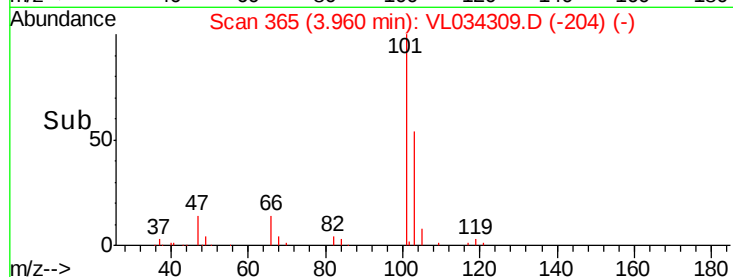
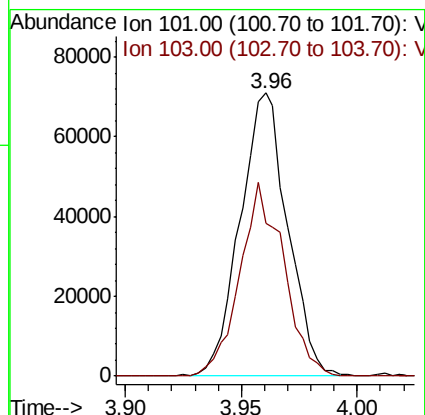
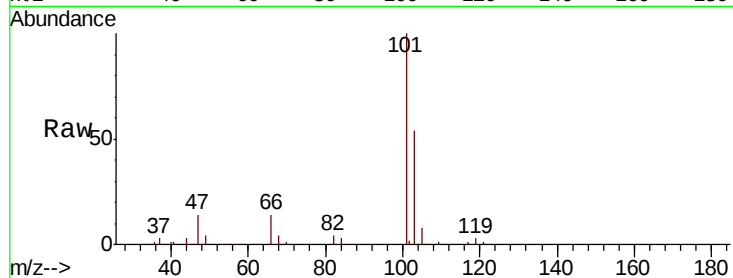
ClientSampleId :

Tot Ion:101 Resp: 100376

Ion Ratio Lower Upper

101 100

103 54.2 54.5 81.7#



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.556 ppbv

RT: 4.50 min Scan# 534

Delta R.T. 0.02 min

Lab File: VL034309.D

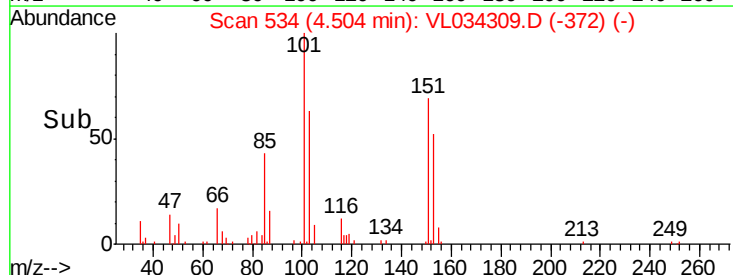
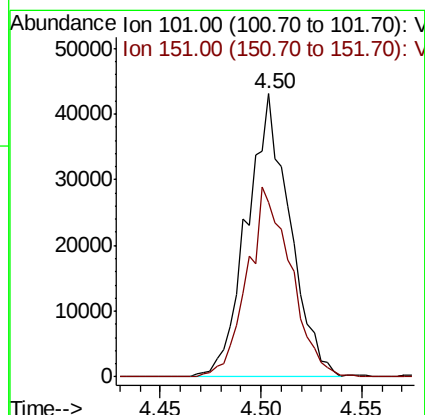
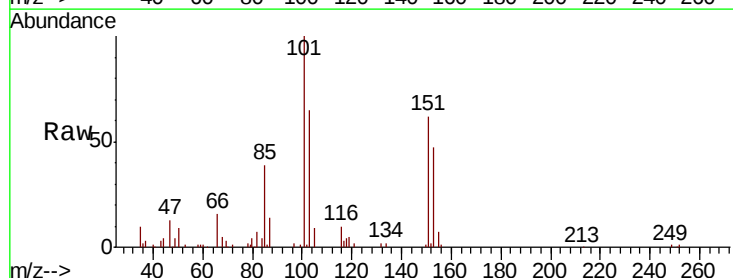
Acq: 16 Oct 2019 22:44

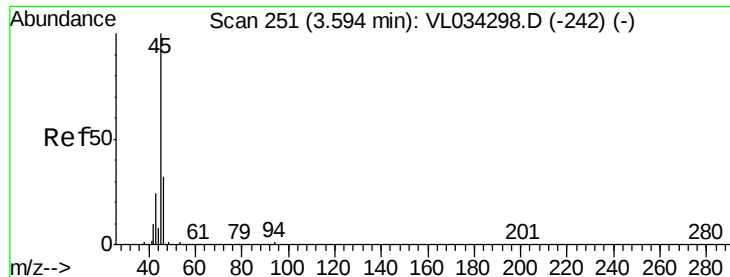
Tgt Ion:101 Resp: 64144

Ion Ratio Lower Upper

101 100

151 67.9 57.4 86.2





#13

Ethanol

Concen: 0.403 ppbv

RT: 3.61 min Scan# 257

Delta R.T. 0.02 min

Lab File: VL034309.D

Acq: 16 Oct 2019 22:44

Instrument :

MSVOA_L

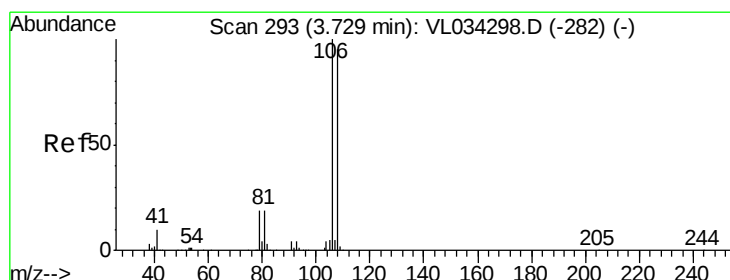
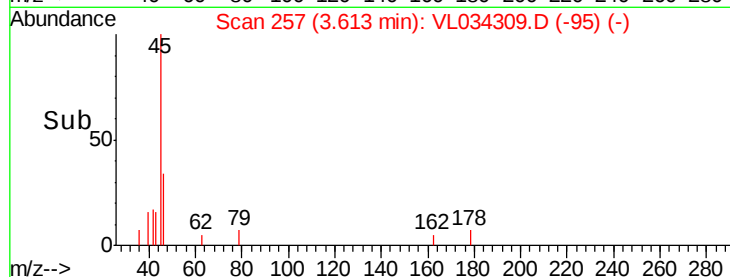
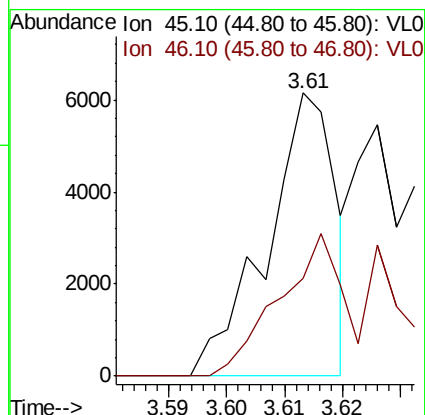
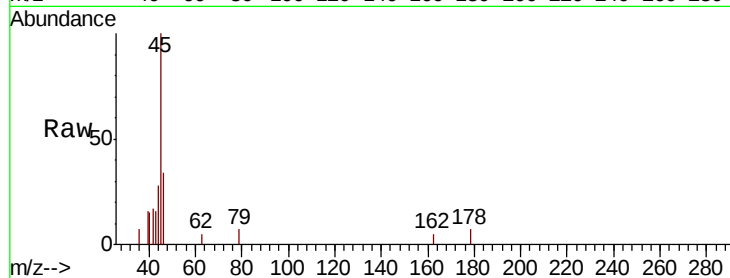
ClientSampleId :

Tot Ion: 45 Resp: 5041

Ion Ratio Lower Upper

45 100

46 79.0 15.8 63.2#



#14

Bromoethene

Concen: 0.509 ppbv

RT: 3.75 min Scan# 299

Delta R.T. 0.02 min

Lab File: VL034309.D

Acq: 16 Oct 2019 22:44

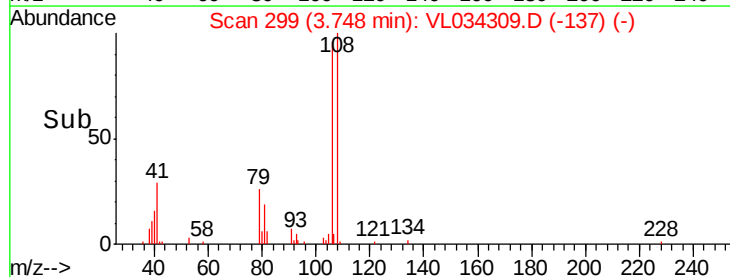
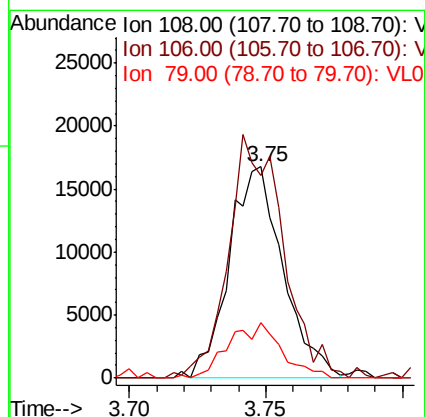
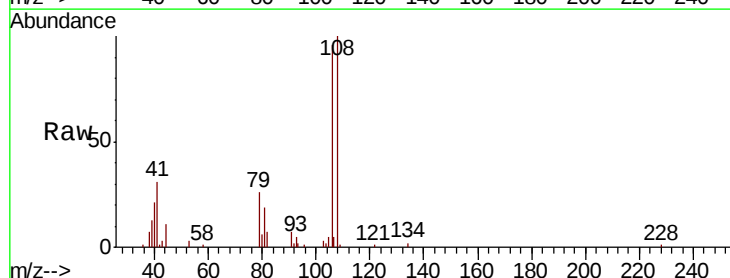
Tgt Ion: 108 Resp: 23111

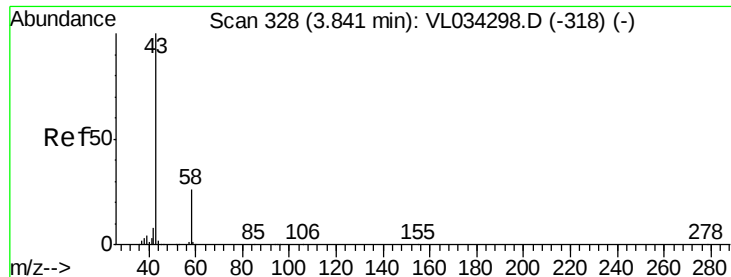
Ion Ratio Lower Upper

108 100

106 118.3 84.8 127.2

79 25.7 17.0 25.4#

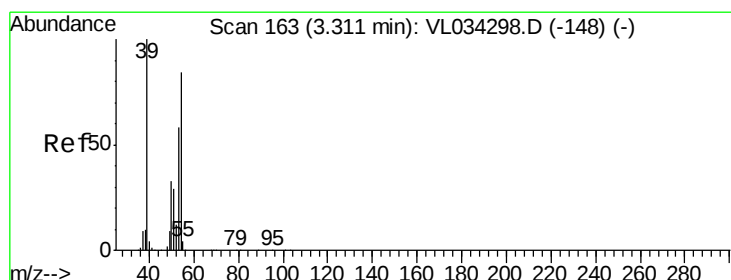
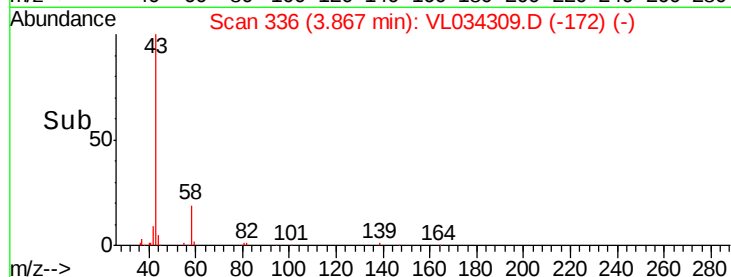
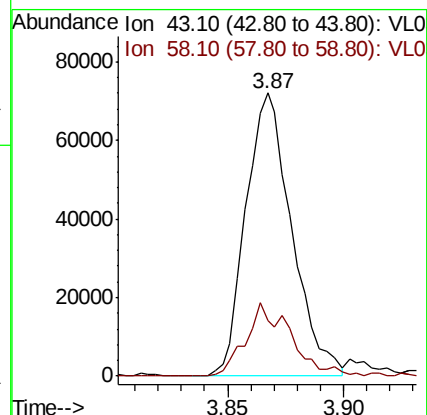
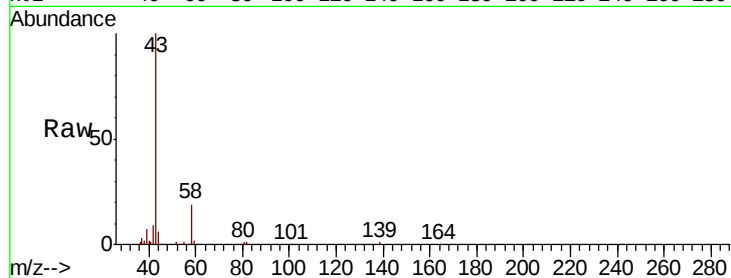




#15
Acetone
Concen: 0.644 ppbv
RT: 3.87 min Scan# 336
Delta R.T. 0.03 min
Lab File: VL034309.D
Acq: 16 Oct 2019 22:44

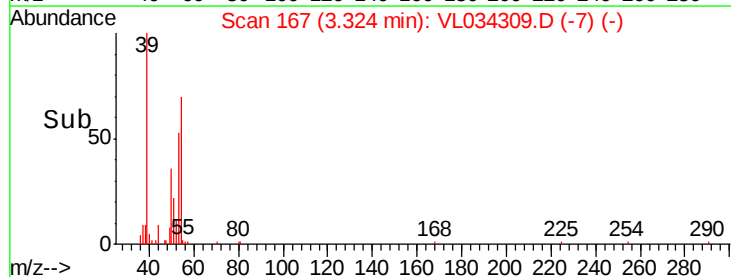
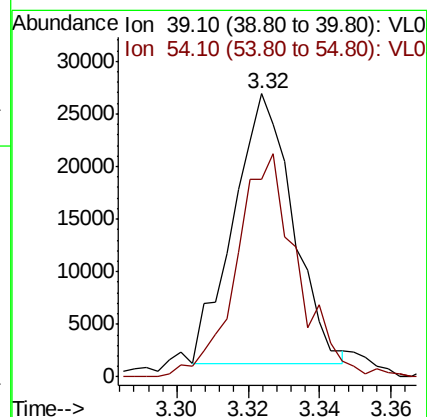
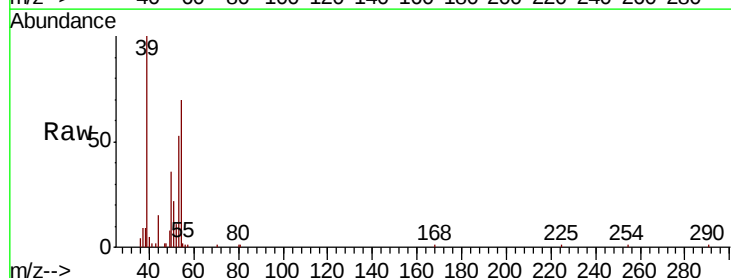
Instrument :
MSVOA_L
ClientSampleId :

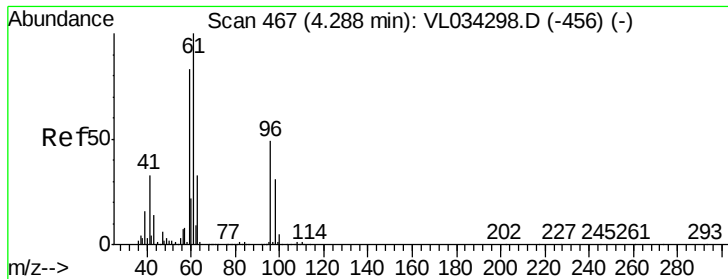
Tot Ion: 43 Resp: 99154
Ion Ratio Lower Upper
43 100
58 25.5 20.4 30.6



#16
1,3-Butadiene
Concen: 0.474 ppbv
RT: 3.32 min Scan# 167
Delta R.T. 0.01 min
Lab File: VL034309.D
Acq: 16 Oct 2019 22:44

Tgt Ion: 39 Resp: 29652
Ion Ratio Lower Upper
39 100
54 85.3 63.9 95.9

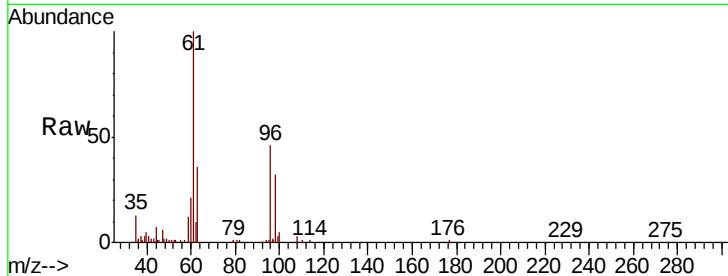




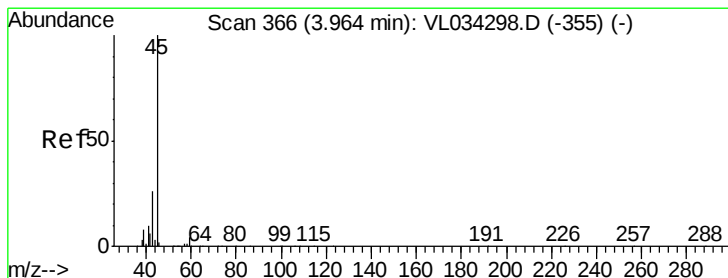
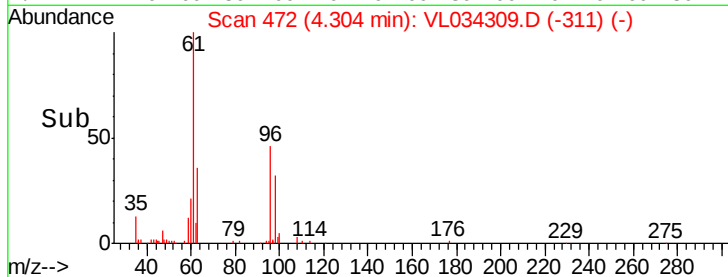
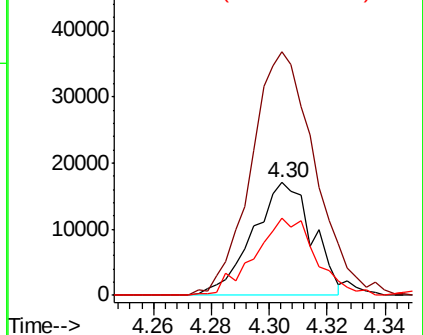
#18
 1,1-Dichloroethene
 Concen: 0.479 ppbv
 RT: 4.30 min Scan# 472
 Delta R.T. 0.02 min
 Lab File: VL034309.D
 Acq: 16 Oct 2019 22:44

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion: 96 Resp: 24222
 Ion Ratio Lower Upper
 96 100
 61 216.4 164.5 246.7
 98 68.7 51.7 77.5

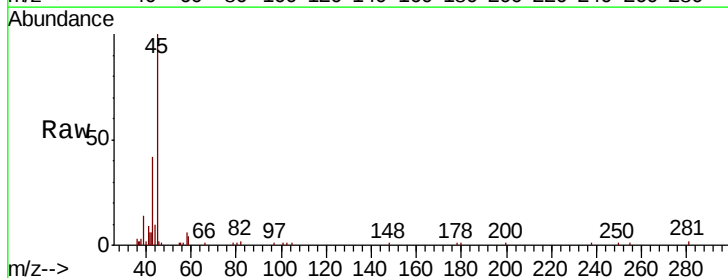


Abundance Ion 96.00 (95.70 to 96.70): VL0
 Ion 61.10 (60.80 to 61.80): VL0
 Ion 98.00 (97.70 to 98.70): VL0

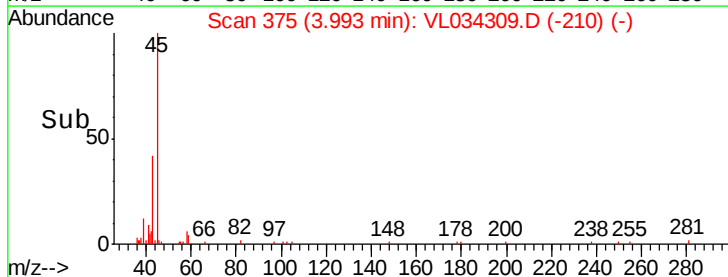
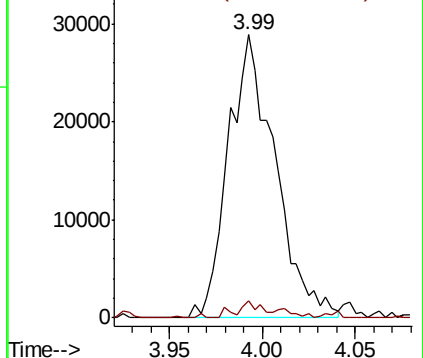


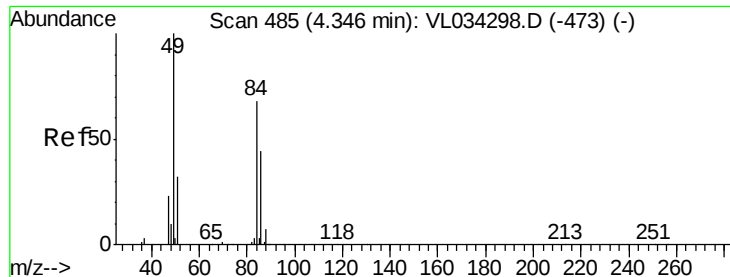
#19
 Isopropyl Alcohol
 Concen: 0.587 ppbv
 RT: 3.99 min Scan# 375
 Delta R.T. 0.03 min
 Lab File: VL034309.D
 Acq: 16 Oct 2019 22:44

Tgt Ion: 45 Resp: 50430
 Ion Ratio Lower Upper
 45 100
 58 5.2 1.4 2.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0
 Ion 58.10 (57.80 to 58.80): VL0

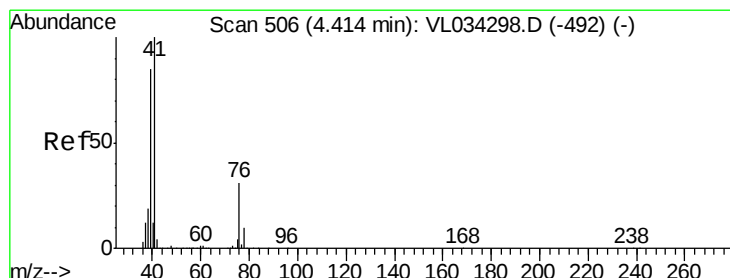
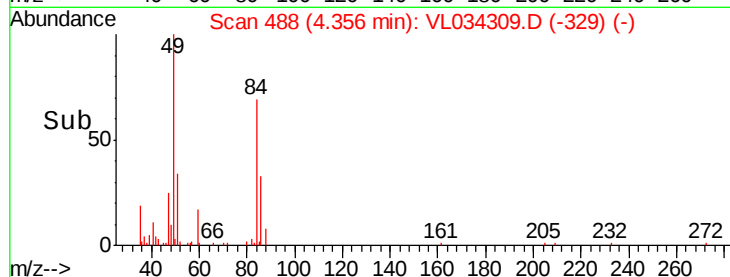
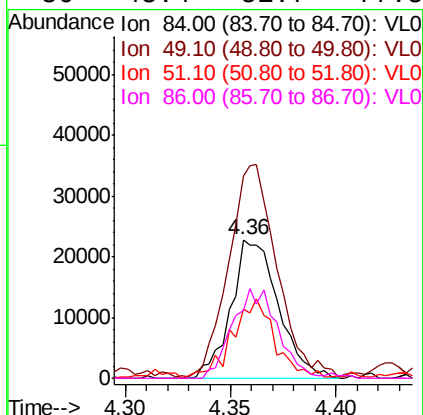
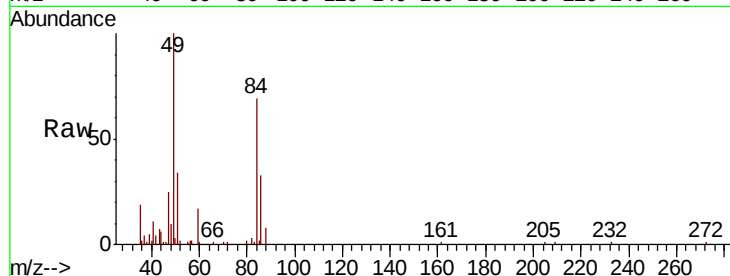




#20
Methylene Chloride
Concen: 0.638 ppbv
RT: 4.36 min Scan# 488
Delta R.T. 0.01 min
Lab File: VL034309.D
Acq: 16 Oct 2019 22:44

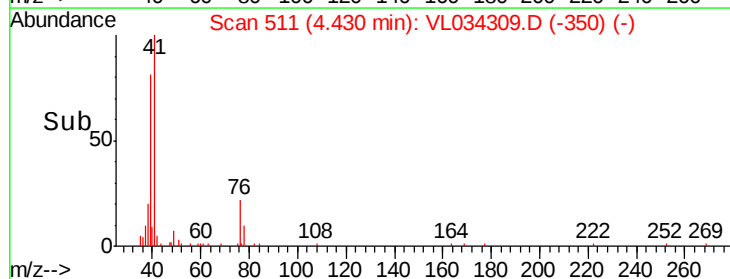
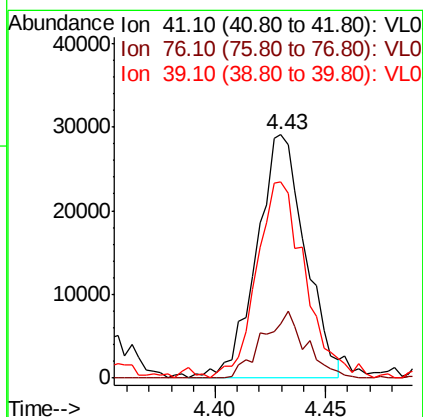
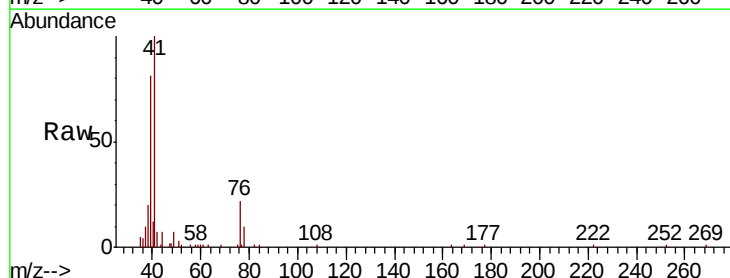
Instrument :
MSVOA_L
ClientSampled :

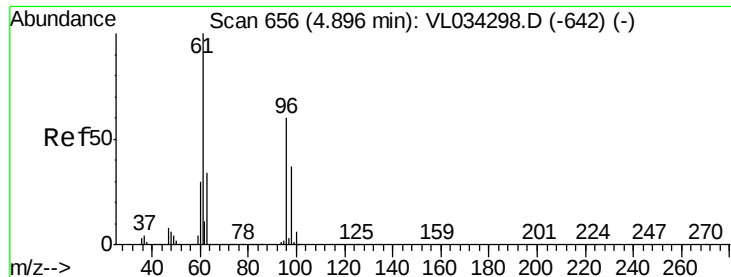
Tot Ion: 84 Resp: 35528
Ion Ratio Lower Upper
84 100
49 144.6 118.5 177.7
51 48.4 38.8 58.2
86 48.4 51.7 77.5#



#21
Allyl Chloride
Concen: 0.521 ppbv
RT: 4.43 min Scan# 511
Delta R.T. 0.02 min
Lab File: VL034309.D
Acq: 16 Oct 2019 22:44

Tgt Ion: 41 Resp: 44368
Ion Ratio Lower Upper
41 100
76 25.1 22.8 34.2
39 82.5 66.0 99.0





#22

trans-1,2-Dichloroethene

Concen: 0.252 ppbv

RT: 4.92 min Scan# 662

Delta R.T. 0.02 min

Lab File: VL034309.D

Acq: 16 Oct 2019 22:44

Instrument :

MSVOA_L

ClientSampleId :

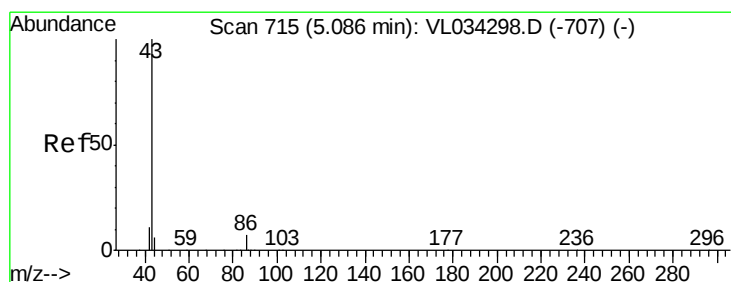
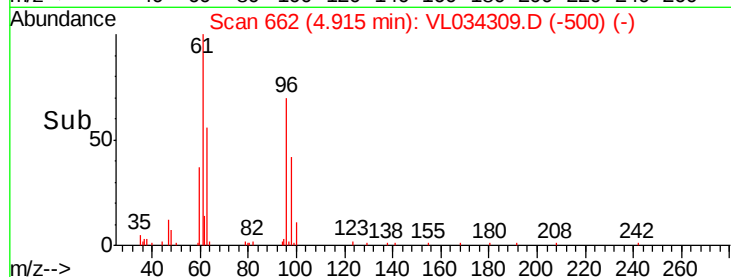
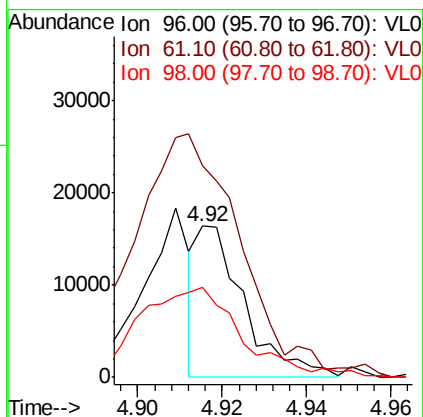
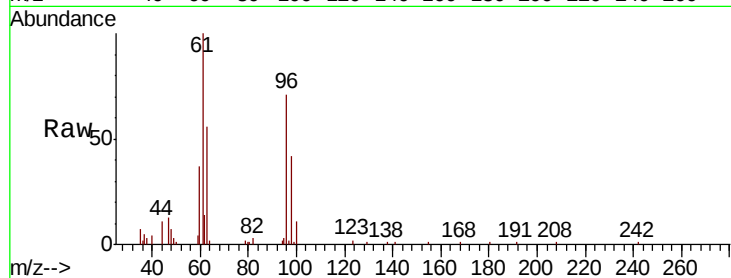
Tot Ion: 96 Resp: 12706

Ion Ratio Lower Upper

96 100

61 135.7 133.8 200.6

98 55.9 49.4 74.0



#23

Vinyl Acetate

Concen: 0.429 ppbv

RT: 5.10 min Scan# 720

Delta R.T. 0.02 min

Lab File: VL034309.D

Acq: 16 Oct 2019 22:44

Tgt Ion: 43 Resp: 82466

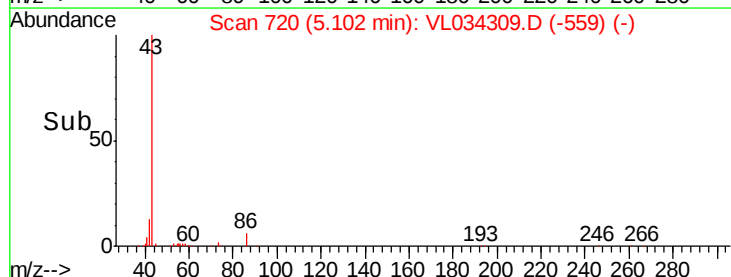
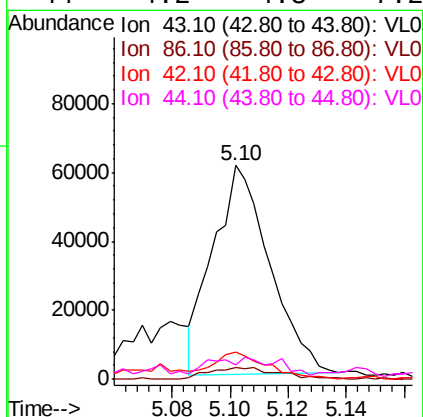
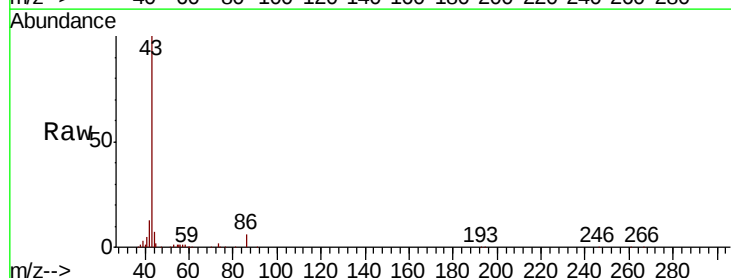
Ion Ratio Lower Upper

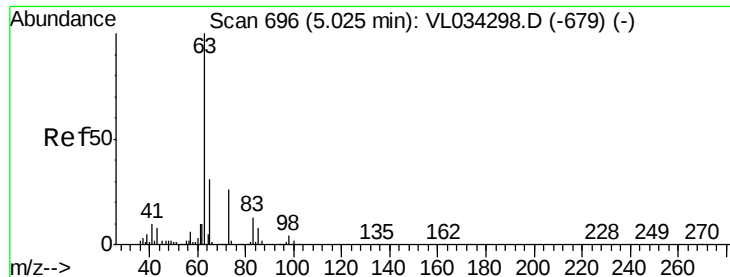
43 100

86 5.1 5.0 7.4

42 13.2 8.6 13.0#

44 4.2 4.8 7.2#





#24

1,1-Dichloroethane

Concen: 0.516 ppbv

RT: 5.04 min Scan# 700

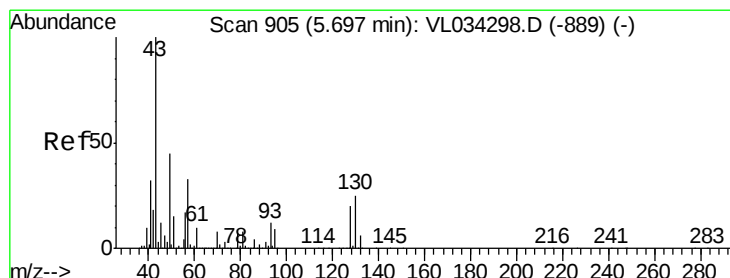
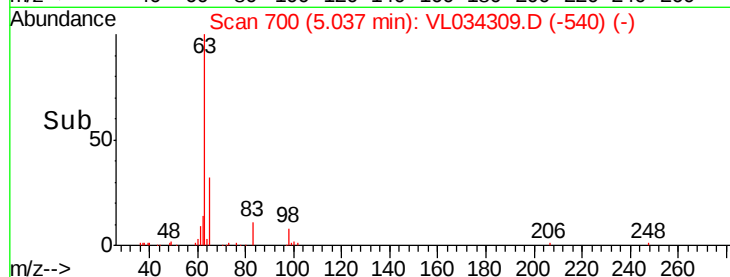
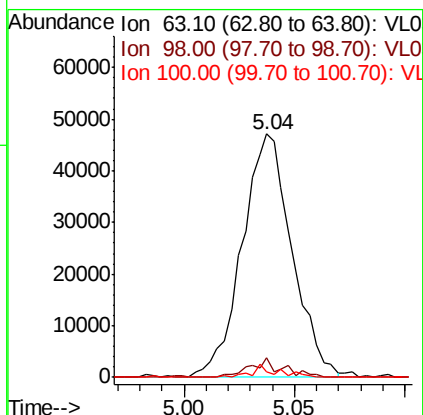
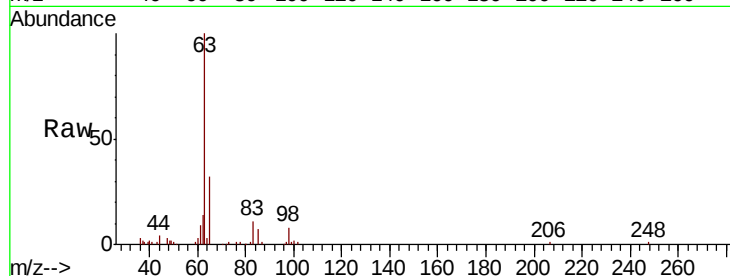
Delta R.T. 0.01 min

Lab File: VL034309.D

Acq: 16 Oct 2019 22:44

Instrument :
MSVOA_L
ClientSampled :

Tot Ion:	63	Resp:	73671
Ion	Ratio	Lower	Upper
63	100		
98	7.9	2.0	6.0#
100	2.4	1.1	3.5



#25

Ethyl Acetate

Concen: 0.506 ppbv

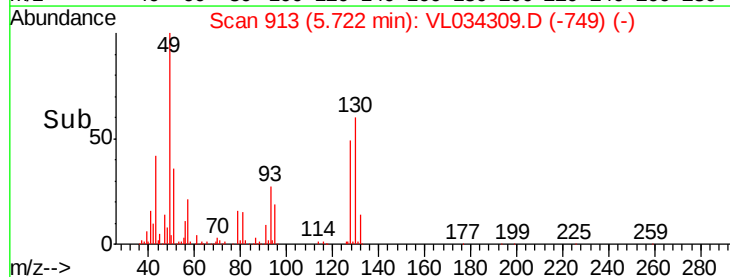
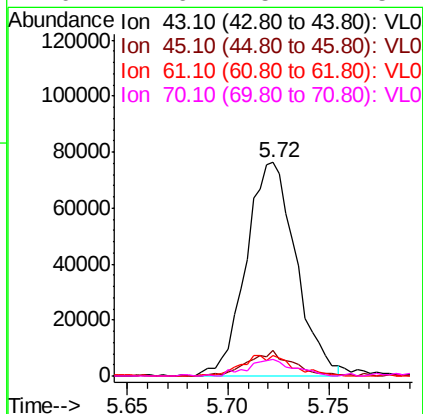
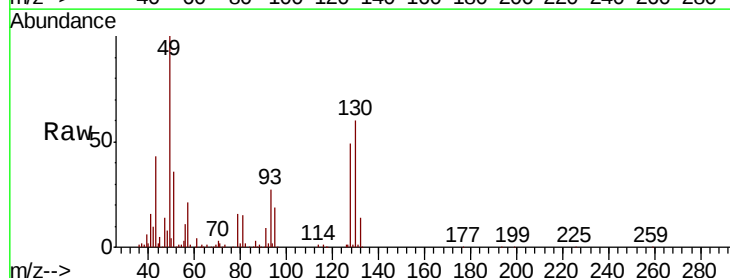
RT: 5.72 min Scan# 913

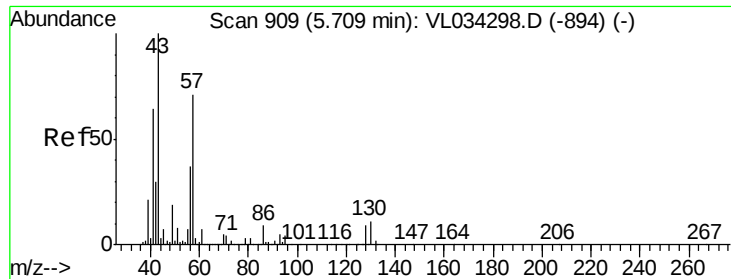
Delta R.T. 0.03 min

Lab File: VL034309.D

Acq: 16 Oct 2019 22:44

Tgt Ion:	43	Resp:	131456
Ion	Ratio	Lower	Upper
43	100		
45	11.1	8.3	12.5
61	9.9	7.7	11.5
70	7.6	5.4	8.2

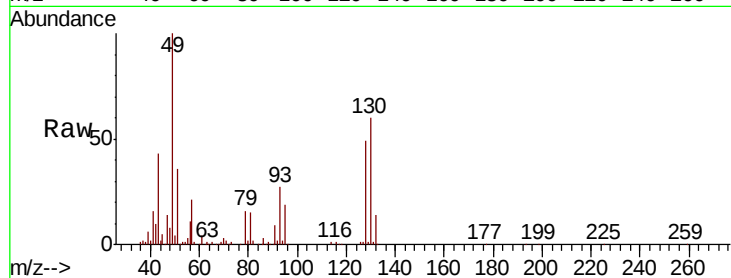




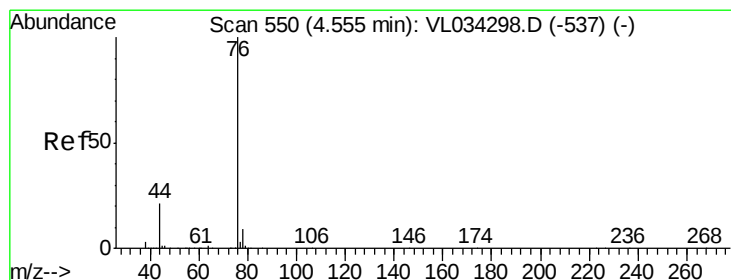
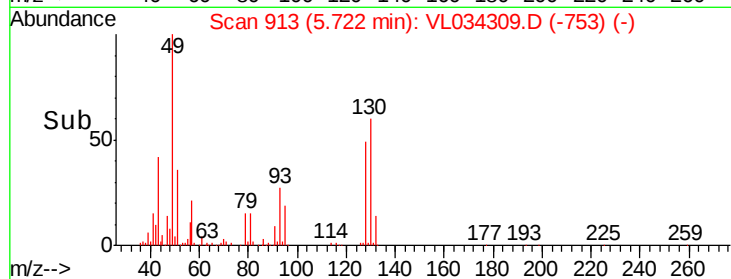
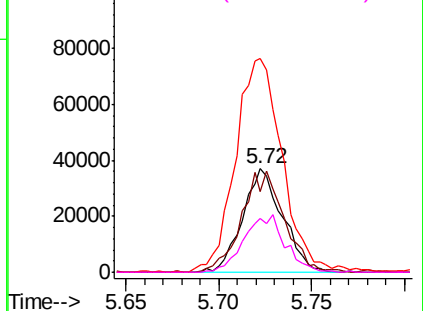
#26
Hexane
Concen: 0.498 ppbv
RT: 5.72 min Scan# 913
Delta R.T. 0.01 min
Lab File: VL034309.D
Acq: 16 Oct 2019 22:44

Instrument :
MSVOA_L
ClientSampled :

Tot Ion:	57	Resp:	55122
Ion	Ratio	Lower	Upper
57	100		
41	105.2	76.5	114.7
43	244.3	188.5	282.7
56	57.0	42.8	64.2

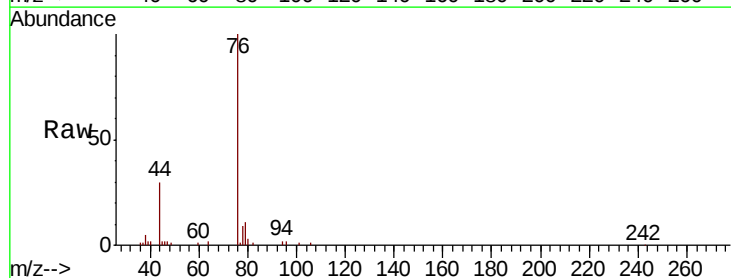


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

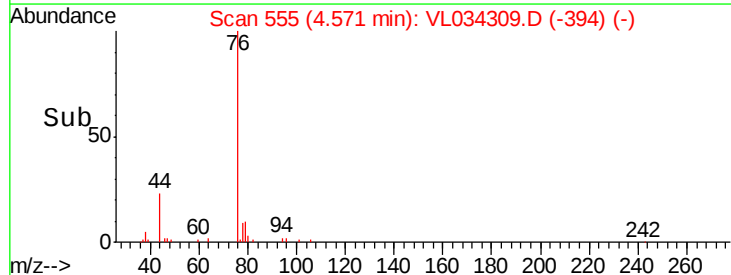
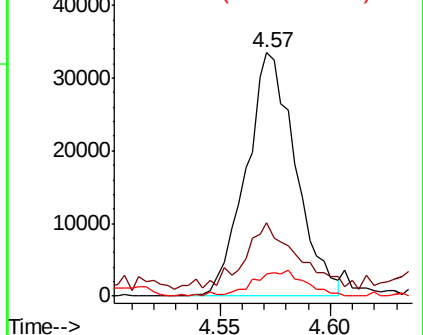


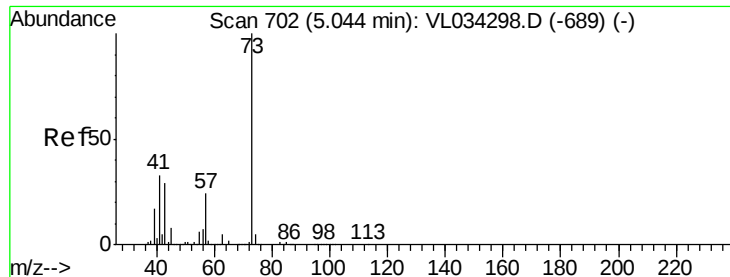
#27
Carbon Disulfide
Concen: 0.454 ppbv
RT: 4.57 min Scan# 555
Delta R.T. 0.02 min
Lab File: VL034309.D
Acq: 16 Oct 2019 22:44

Tgt Ion:	76	Resp:	52226
Ion	Ratio	Lower	Upper
76	100		
44	32.7	17.3	25.9#
78	11.2	7.8	11.6



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



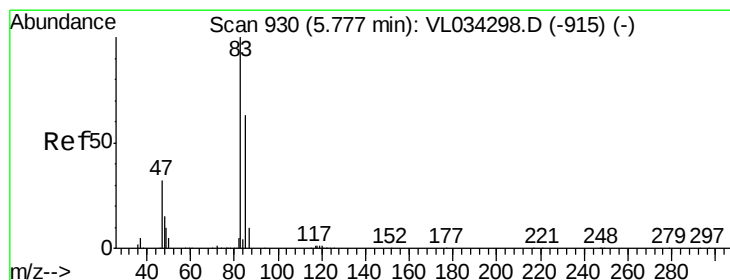
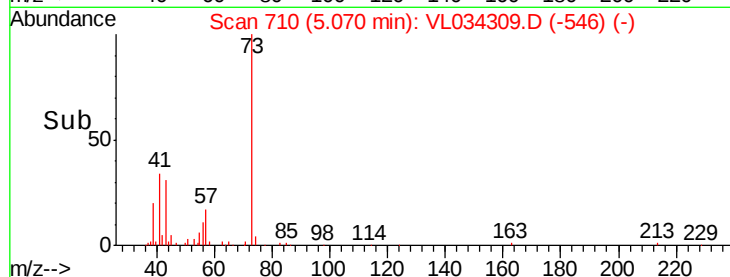
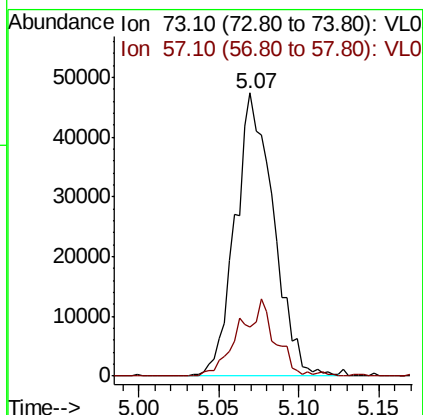
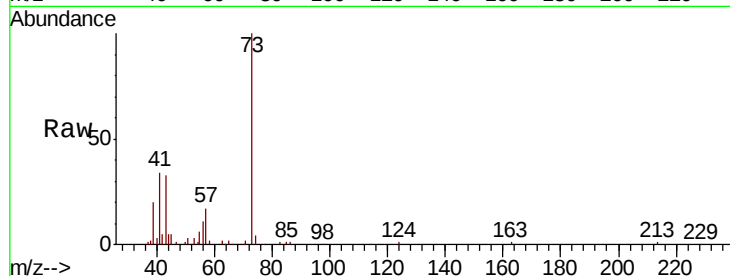


#28

Methvl tert-Butvl Ether
 Concen: 0.460 ppbv
 RT: 5.07 min Scan# 710
 Delta R.T. 0.03 min
 Lab File: VL034309.D
 Acq: 16 Oct 2019 22:44

Instrument :
 MSVOA_L
 ClientSampleId :

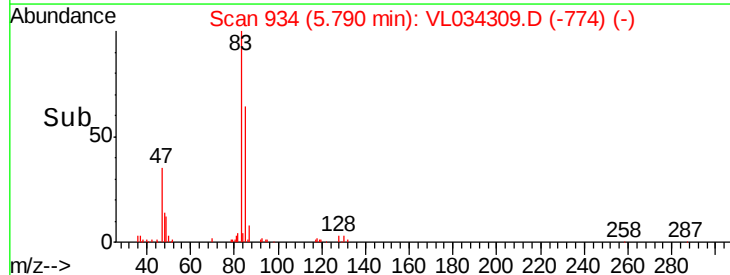
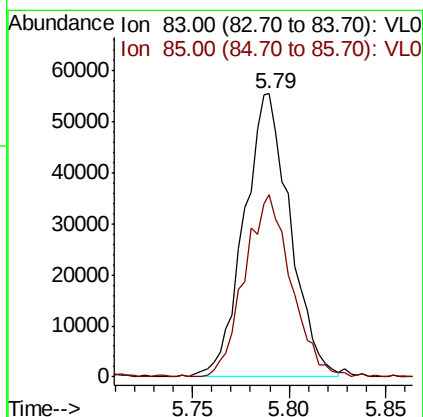
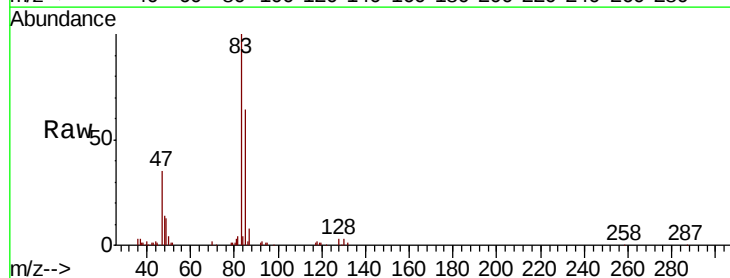
Tot Ion: 73 Resp: 77077
 Ion Ratio Lower Upper
 73 100
 57 26.3 19.2 28.8

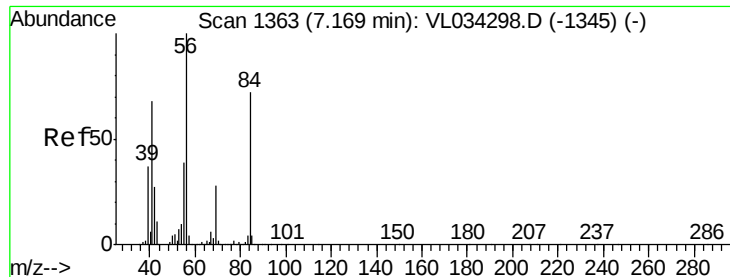


#29

Chloroform
 Concen: 0.525 ppbv
 RT: 5.79 min Scan# 934
 Delta R.T. 0.01 min
 Lab File: VL034309.D
 Acq: 16 Oct 2019 22:44

Tgt Ion: 83 Resp: 91922
 Ion Ratio Lower Upper
 83 100
 85 64.2 50.5 75.7

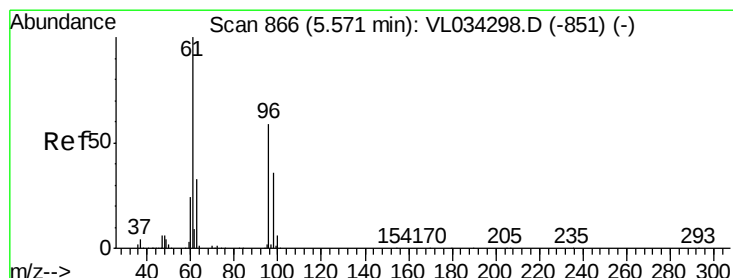
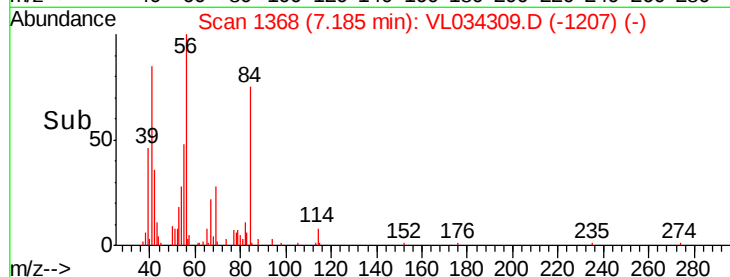
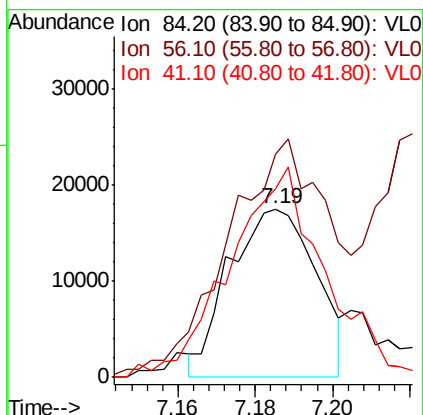
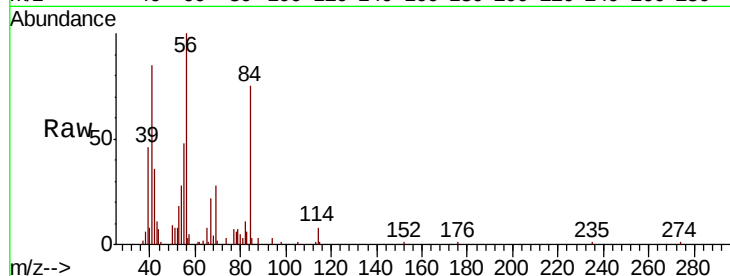




#30
Cvclohexane
Concen: 0.334 ppbv
RT: 7.19 min Scan# 1368
Delta R.T. 0.02 min
Lab File: VL034309.D
Acq: 16 Oct 2019 22:44

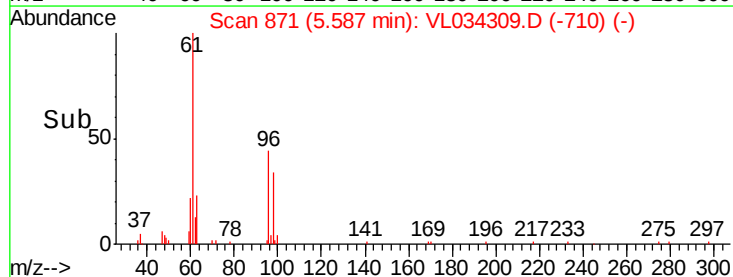
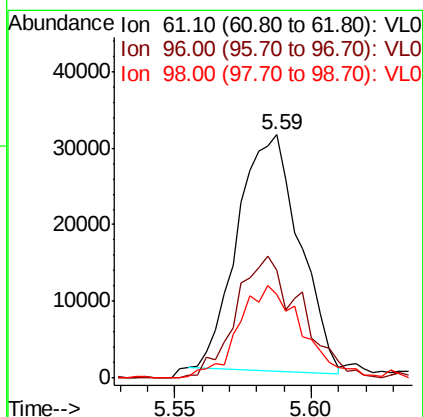
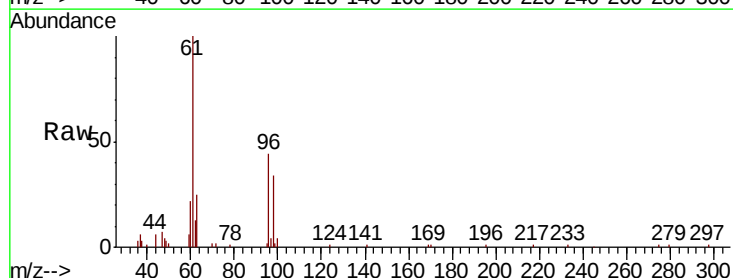
Instrument :
MSVOA_L
ClientSampleId :

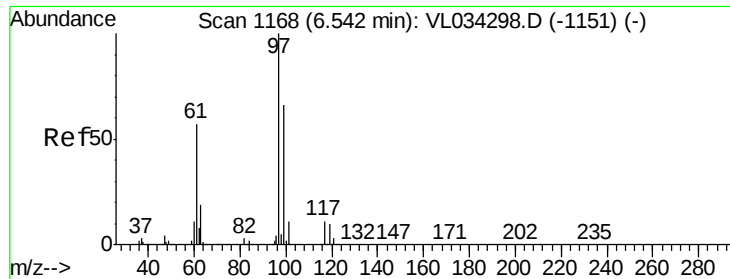
Tot Ion: 84 Resp: 27214
Ion Ratio Lower Upper
84 100
56 176.6 119.4 179.0
41 138.5 78.7 118.1#



#31
cis-1,2-Dichloroethene
Concen: 0.432 ppbv
RT: 5.59 min Scan# 871
Delta R.T. 0.02 min
Lab File: VL034309.D
Acq: 16 Oct 2019 22:44

Tgt Ion: 61 Resp: 48595
Ion Ratio Lower Upper
61 100
96 45.2 47.5 71.3#
98 37.3 28.8 43.2





#32

1,1,1-Trichloroethane

Concen: 0.489 ppbv

RT: 6.56 min Scan# 1174

Delta R.T. 0.02 min

Lab File: VL034309.D

Acq: 16 Oct 2019 22:44

Instrument :

MSVOA_L

ClientSampleId :

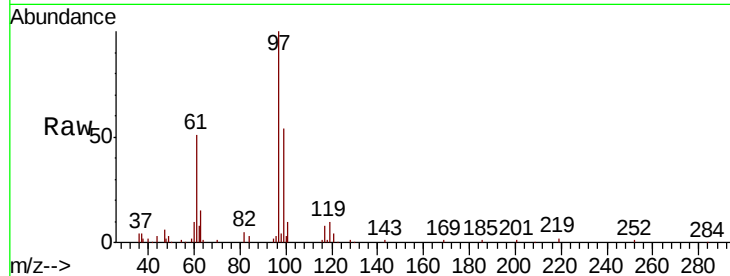
Tot Ion: 97 Resp: 83368

Ion Ratio Lower Upper

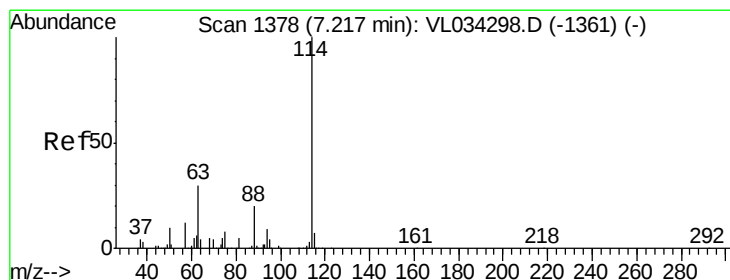
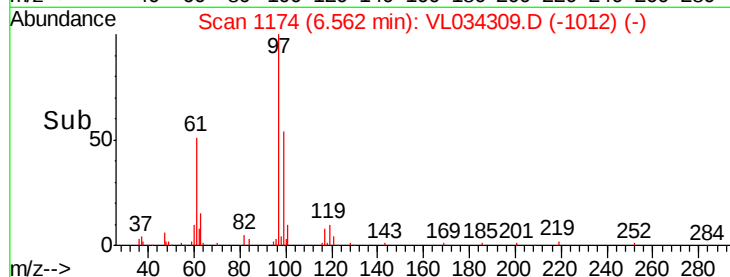
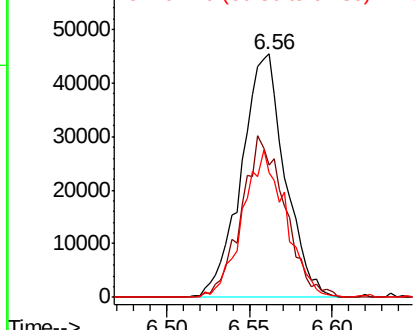
97 100

99 65.7 52.6 78.8

61 59.4 44.5 66.7



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: 7.23 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VL034309.D

Acq: 16 Oct 2019 22:44

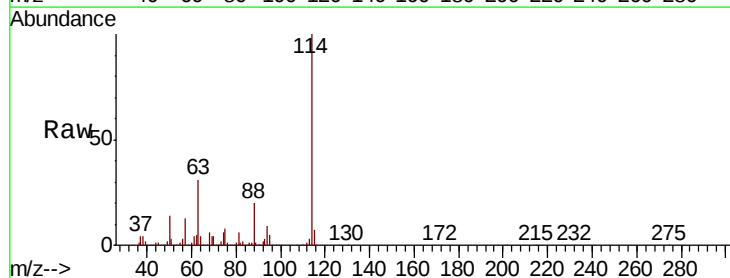
Tgt Ion: 114 Resp: 2073910

Ion Ratio Lower Upper

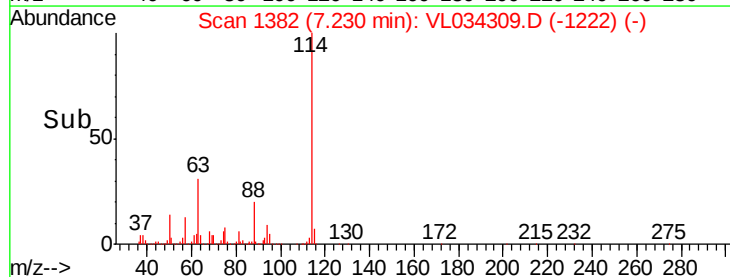
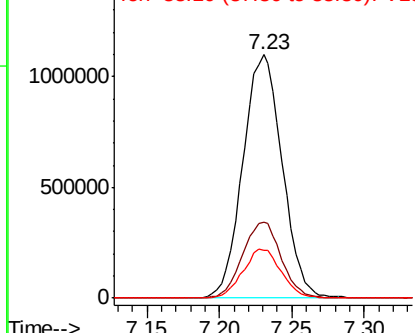
114 100

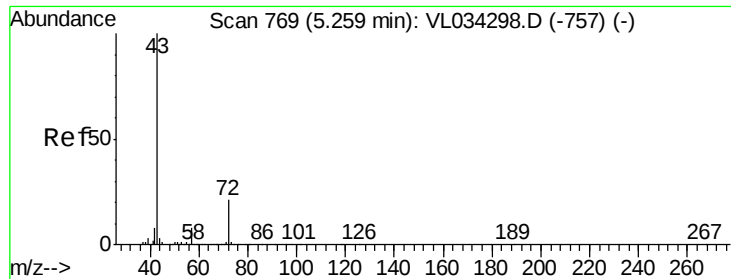
63 31.0 25.2 37.8

88 19.6 16.0 24.0



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

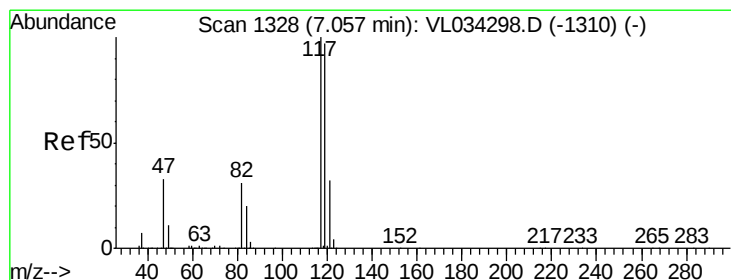
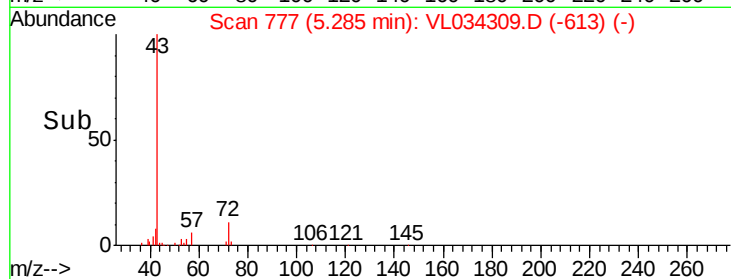
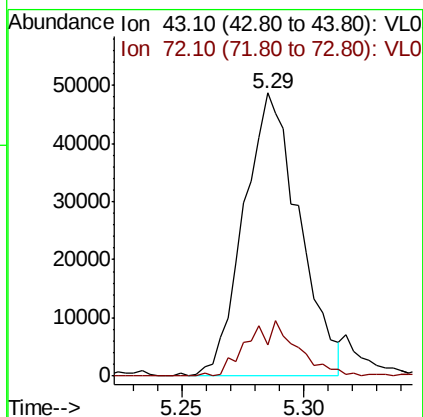
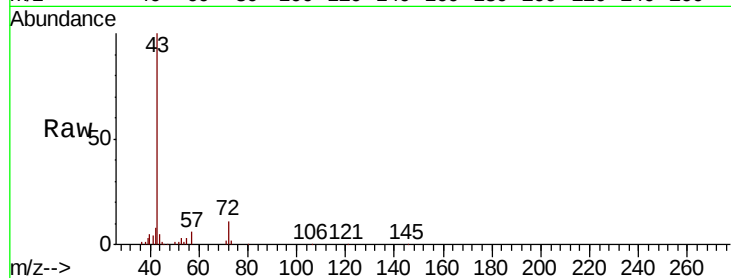




#34
2-Butanone
Concen: 0.449 ppbv
RT: 5.29 min Scan# 777
Delta R.T. 0.03 min
Lab File: VL034309.D
Acq: 16 Oct 2019 22:44

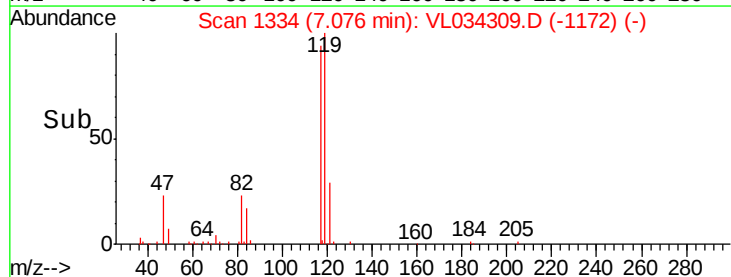
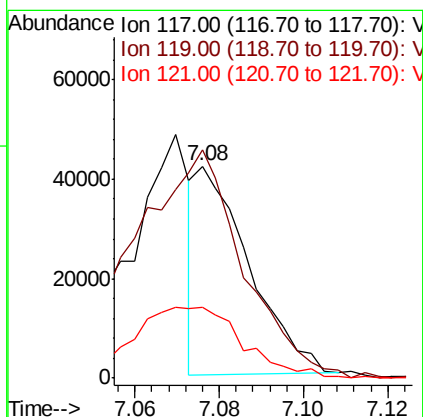
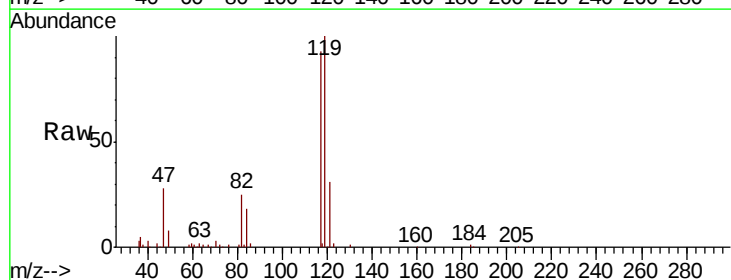
Instrument :
MSVOA_L
ClientSampleId :

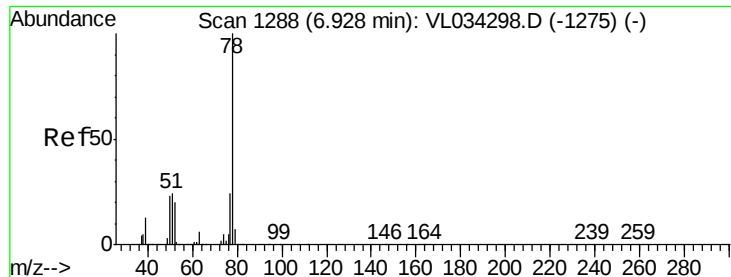
Tot Ion: 43 Resp: 76060
Ion Ratio Lower Upper
43 100
72 18.0 16.3 24.5



#35
Carbon Tetrachloride
Concen: 0.200 ppbv
RT: 7.08 min Scan# 1334
Delta R.T. 0.02 min
Lab File: VL034309.D
Acq: 16 Oct 2019 22:44

Tgt Ion: 117 Resp: 36071
Ion Ratio Lower Upper
117 100
119 106.6 77.3 115.9
121 33.4 25.5 38.3





#36

Benzene

Concen: 0.463 ppbv

RT: 6.94 min Scan# 1293

Delta R.T. 0.02 min

Lab File: VL034309.D

Acq: 16 Oct 2019 22:44

Instrument :

MSVOA_L

ClientSampleId :

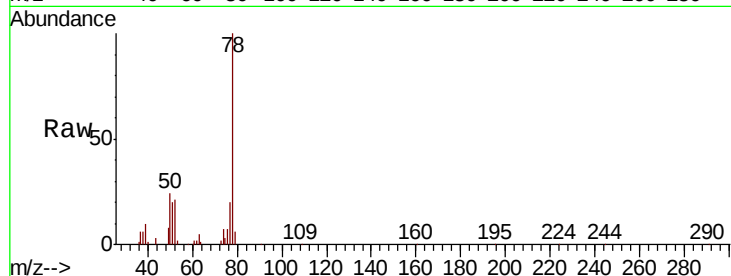
Tot Ion: 78 Resp: 92226

Ion Ratio Lower Upper

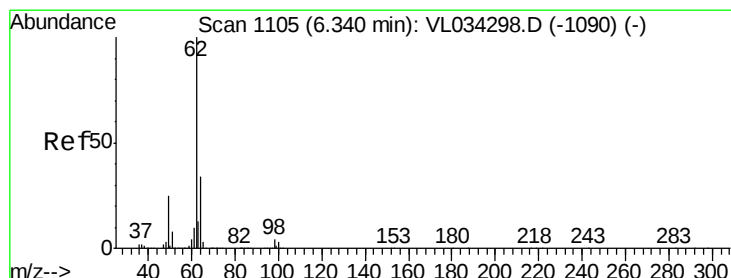
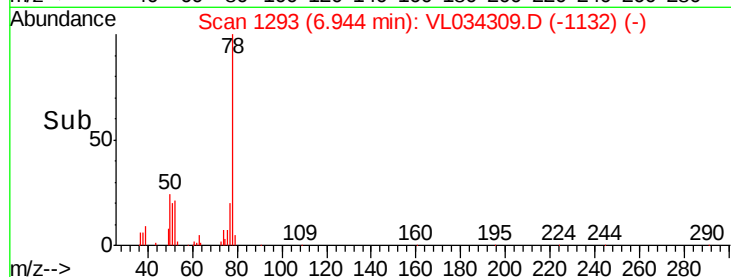
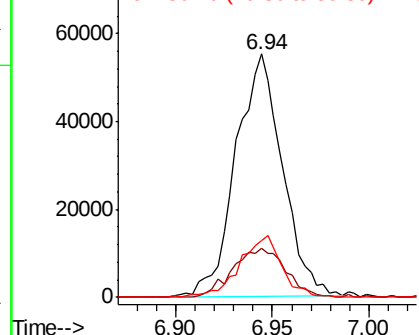
78 100

77 20.3 19.0 28.4

50 23.3 18.6 27.8



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: 0.530 ppbv

RT: 6.35 min Scan# 1109

Delta R.T. 0.01 min

Lab File: VL034309.D

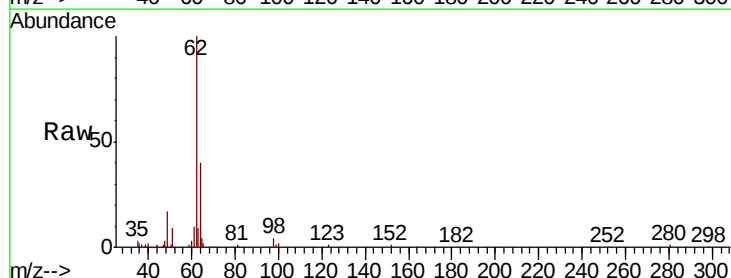
Acq: 16 Oct 2019 22:44

Tgt Ion: 62 Resp: 78596

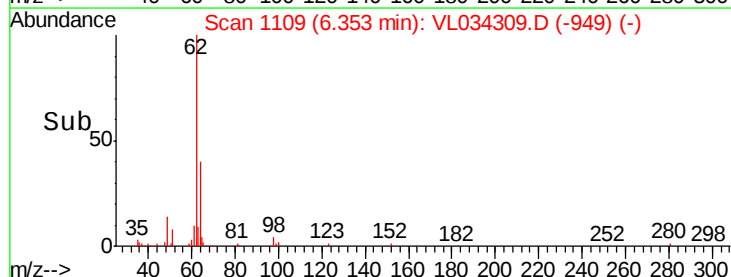
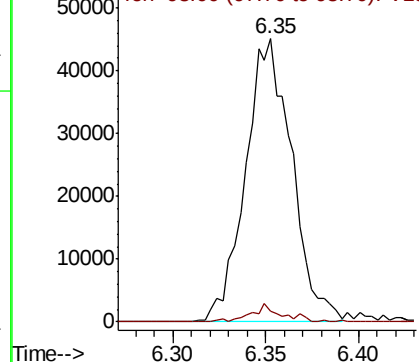
Ion Ratio Lower Upper

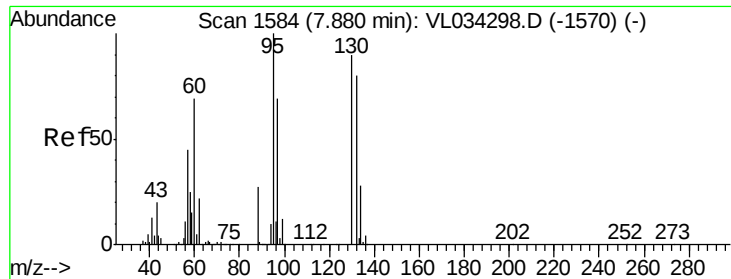
62 100

98 4.2 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: 0.447 ppbv

RT: 7.90 min Scan# 1590

Delta R.T. 0.02 min

Lab File: VL034309.D

Acq: 16 Oct 2019 22:44

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:130 Resp: 35658

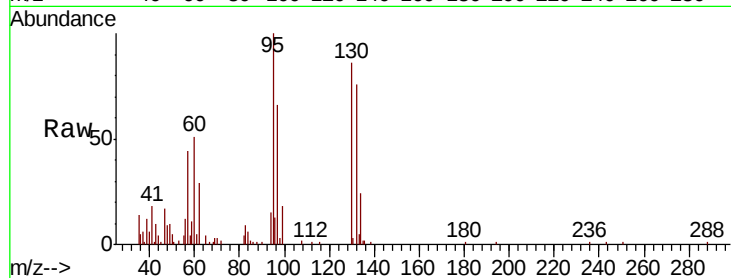
Ion Ratio Lower Upper

130 100

95 110.3 88.6 132.8

132 87.1 71.2 106.8

97 75.2 61.0 91.4

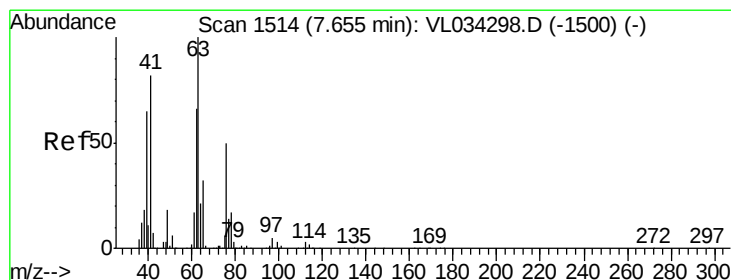
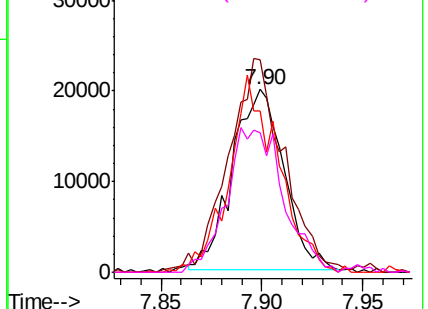
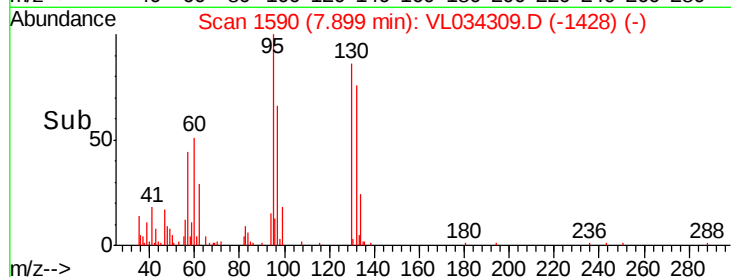


Abundance Ion 130.00 (129.70 to 130.70): V

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: 0.165 ppbv

RT: 7.68 min Scan# 1521

Delta R.T. 0.02 min

Lab File: VL034309.D

Acq: 16 Oct 2019 22:44

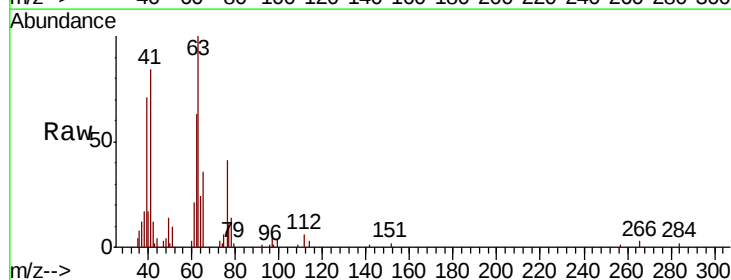
Tgt Ion: 63 Resp: 14168

Ion Ratio Lower Upper

63 100

41 76.9 65.6 98.4

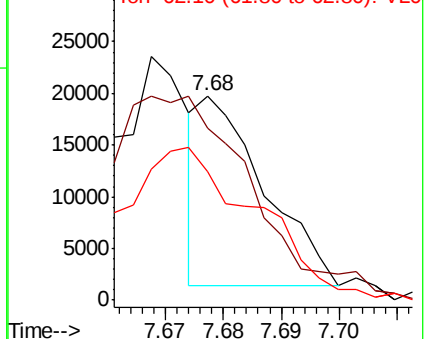
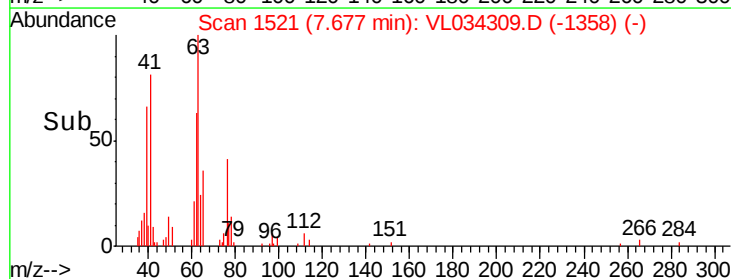
62 62.4 53.0 79.6

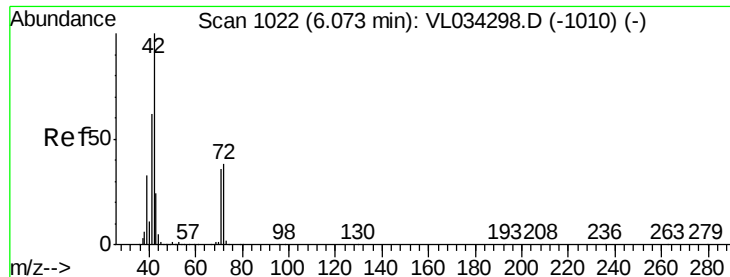


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

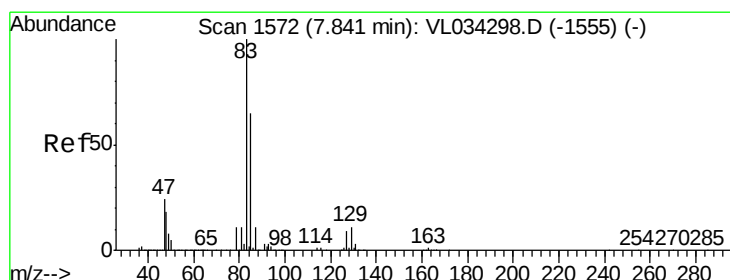
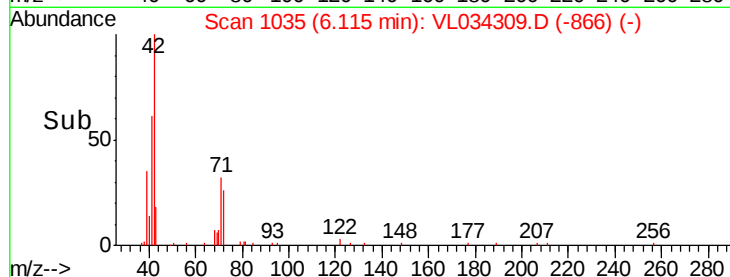
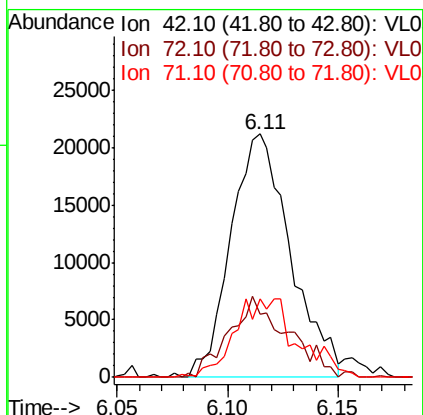
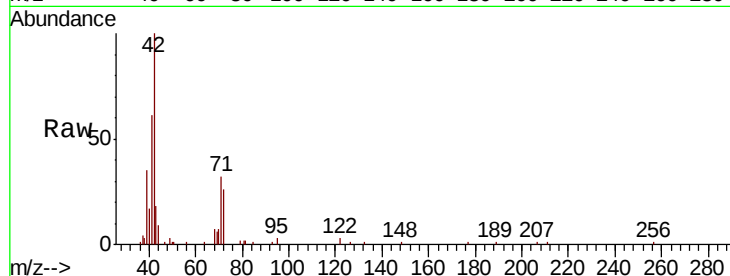




#41
Tetrahydrofuran
Concen: 0.422 ppbv
RT: 6.11 min Scan# 1035
Delta R.T. 0.04 min
Lab File: VL034309.D
Acq: 16 Oct 2019 22:44

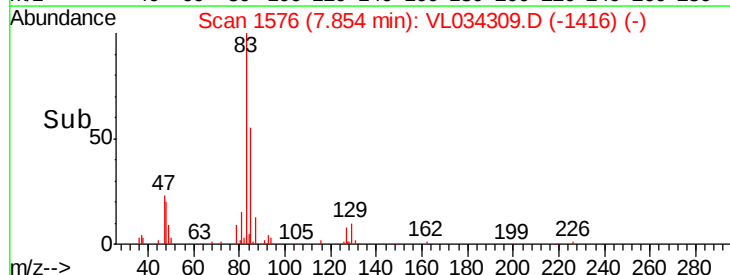
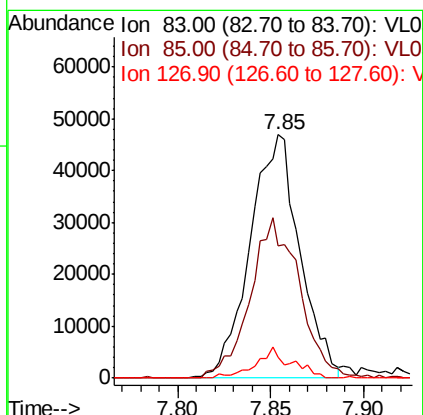
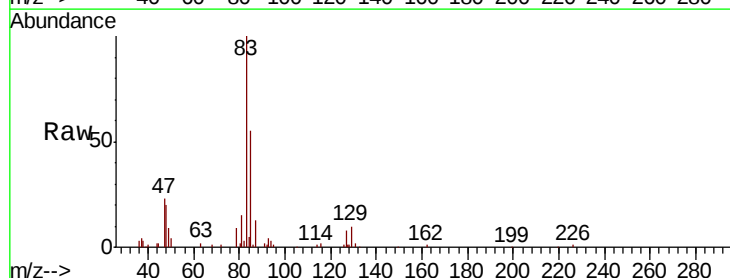
Instrument :
MSVOA_L
ClientSampled :

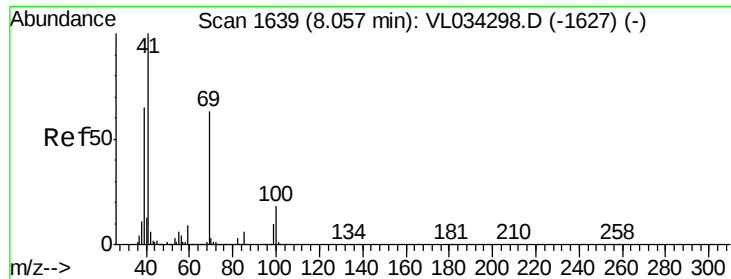
Tot Ion: 42 Resp: 39730
Ion Ratio Lower Upper
42 100
72 32.9 28.0 42.0
71 34.1 27.3 40.9



#42
Bromodichloromethane
Concen: 0.483 ppbv
RT: 7.85 min Scan# 1576
Delta R.T. 0.01 min
Lab File: VL034309.D
Acq: 16 Oct 2019 22:44

Tgt Ion: 83 Resp: 87812
Ion Ratio Lower Upper
83 100
85 54.5 51.8 77.6
127 8.8 7.0 10.6

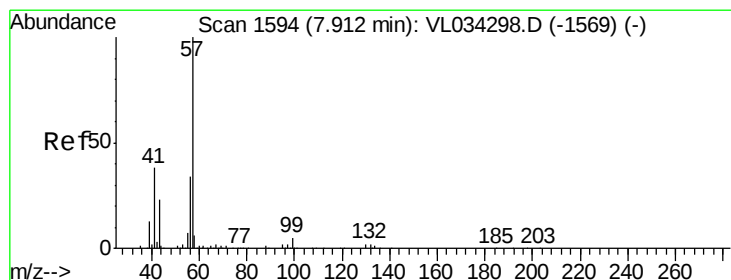
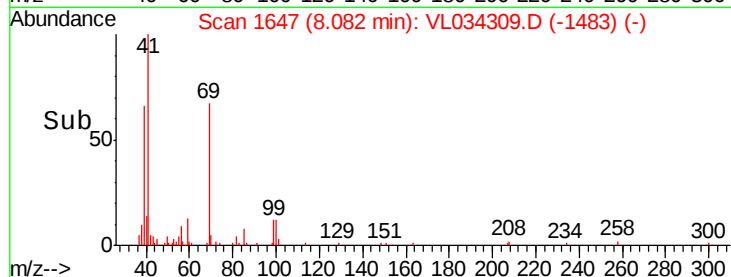
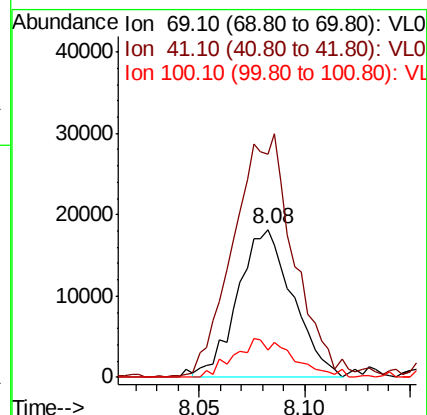
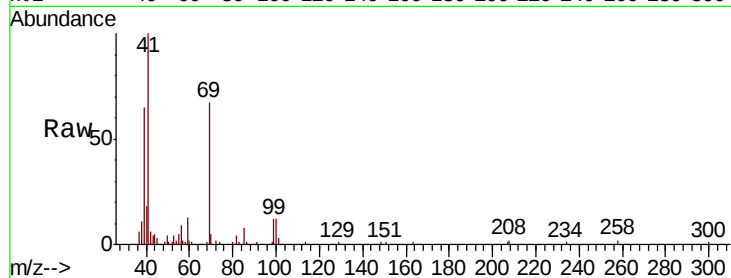




#43
Methvl Methacrplate
Concen: 0.401 ppbv
RT: 8.08 min Scan# 1647
Delta R.T. 0.03 min
Lab File: VL034309.D
Acq: 16 Oct 2019 22:44

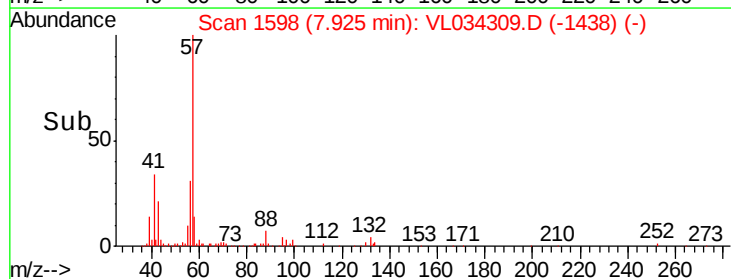
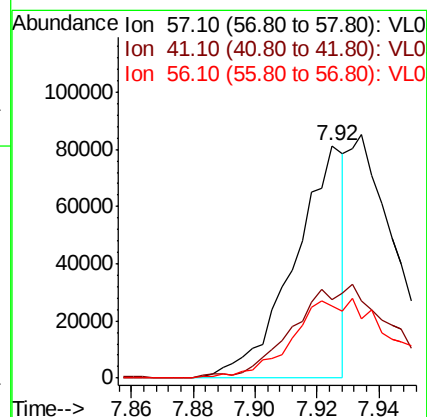
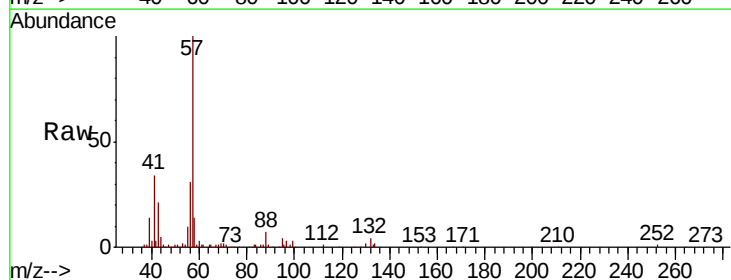
Instrument :
MSVOA_L
ClientSampleId :

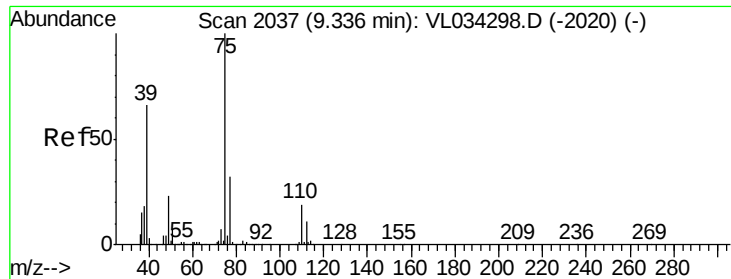
Tot Ion: 69 Resp: 33002
Ion Ratio Lower Upper
69 100
41 182.9 132.1 198.1
100 27.7 23.2 34.8



#44
2,2,4-Trimethylpentane
Concen: 0.247 ppbv
RT: 7.92 min Scan# 1598
Delta R.T. 0.01 min
Lab File: VL034309.D
Acq: 16 Oct 2019 22:44

Tgt Ion: 57 Resp: 91145
Ion Ratio Lower Upper
57 100
41 0.0 29.3 43.9#
56 0.0 25.3 37.9#





#45

t-1,3-Dichloropropene

Concen: 0.270 ppbv

RT: 9.35 min Scan# 2041

Delta R.T. 0.01 min

Lab File: VL034309.D

Acq: 16 Oct 2019 22:44

Instrument :

MSVOA_L

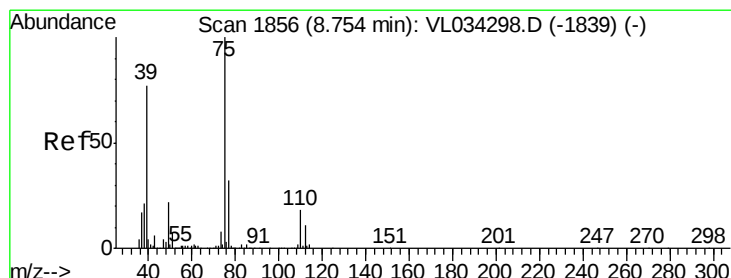
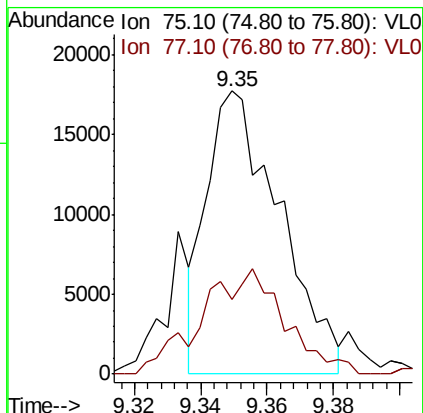
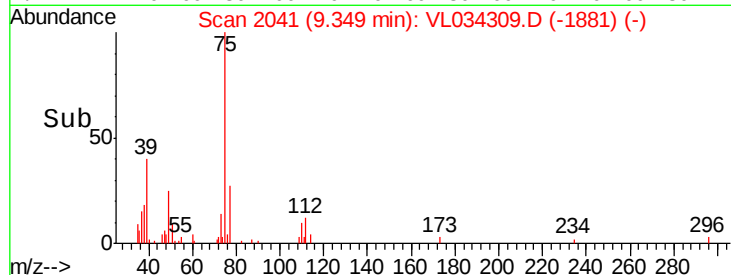
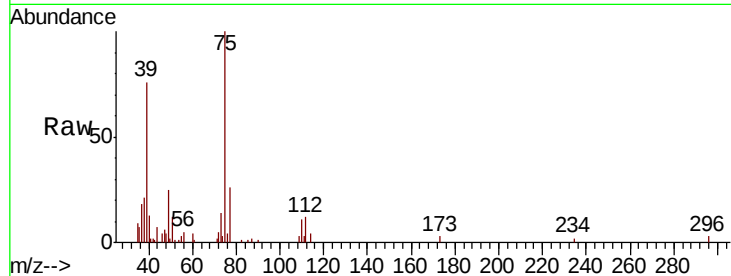
ClientSampleId :

Tot Ion: 75 Resp: 27030

Ion Ratio Lower Upper

75 100

77 26.3 25.6 38.4



#46

cis-1,3-Dichloropropene

Concen: 0.397 ppbv

RT: 8.78 min Scan# 1863

Delta R.T. 0.02 min

Lab File: VL034309.D

Acq: 16 Oct 2019 22:44

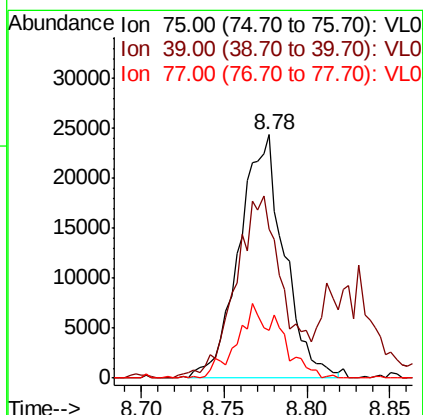
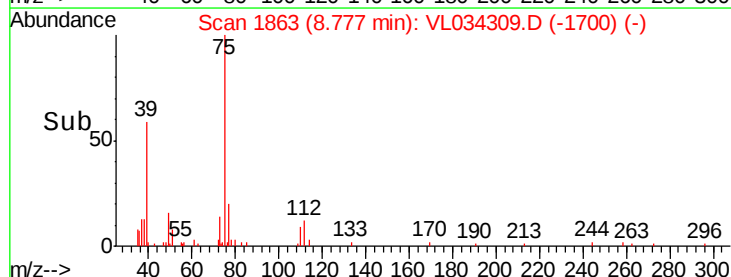
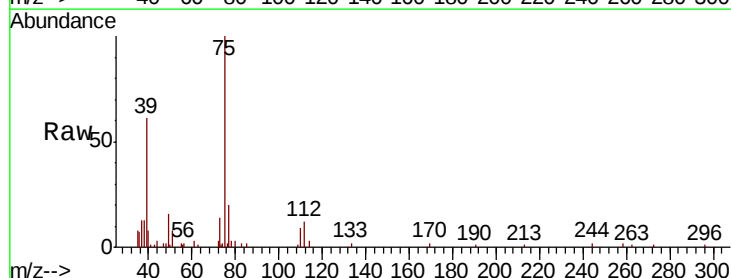
Tgt Ion: 75 Resp: 45759

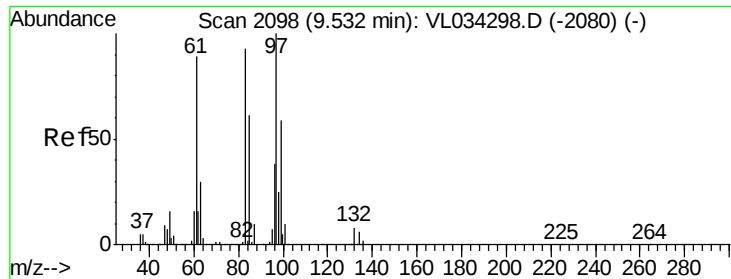
Ion Ratio Lower Upper

75 100

39 58.9 61.2 91.8#

77 19.9 25.9 38.9#

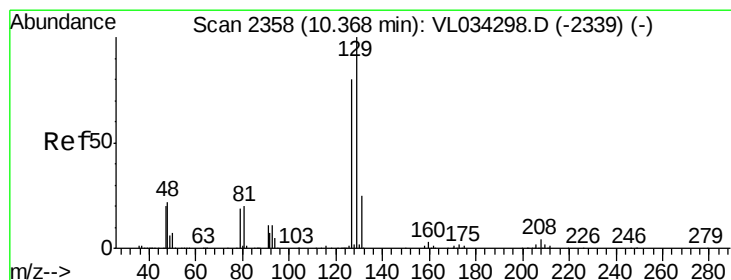
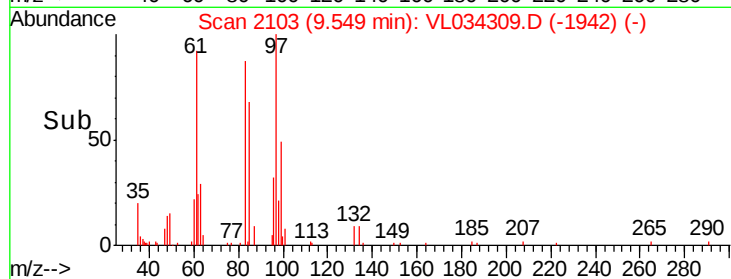
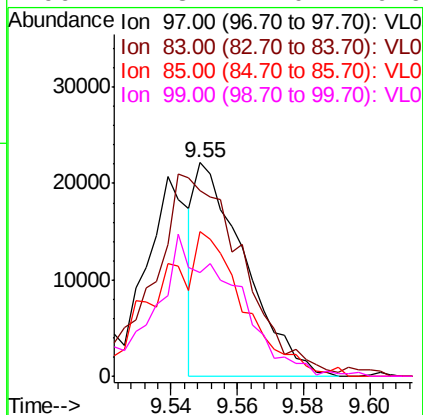
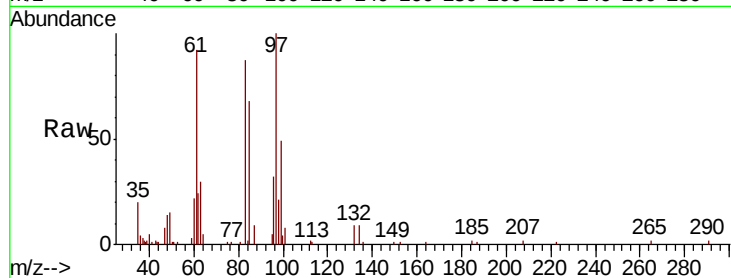




#47
 1,1,2-Trichloroethane
 Concen: 0.265 ppbv
 RT: 9.55 min Scan# 2103
 Delta R.T. 0.02 min
 Lab File: VL034309.D
 Acq: 16 Oct 2019 22:44

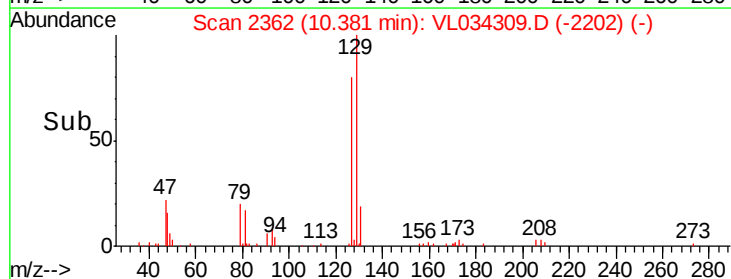
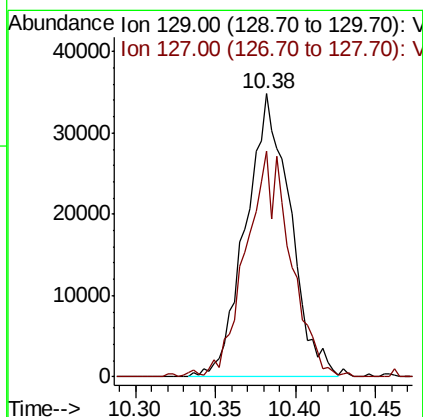
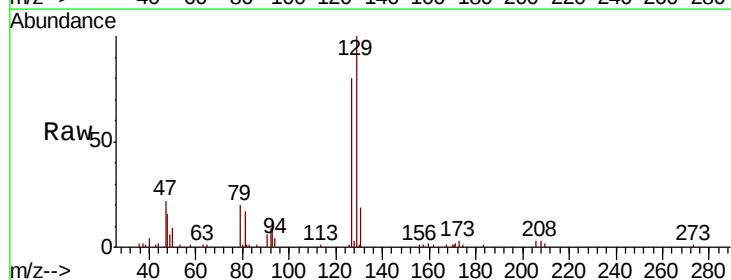
Instrument :
 MSVOA_L
 ClientSampleId :

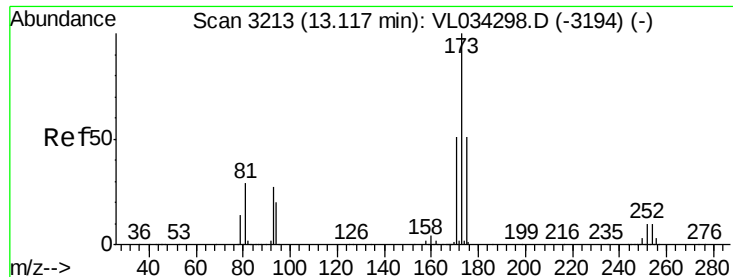
Tot Ion: 97 Resp: 23025
 Ion Ratio Lower Upper
 97 100
 83 84.9 74.2 111.2
 85 63.8 48.6 73.0
 99 47.3 47.0 70.6



#48
 Dibromochloromethane
 Concen: 0.466 ppbv
 RT: 10.38 min Scan# 2362
 Delta R.T. 0.01 min
 Lab File: VL034309.D
 Acq: 16 Oct 2019 22:44

Tgt Ion: 129 Resp: 66324
 Ion Ratio Lower Upper
 129 100
 127 80.8 39.7 119.1





#49

Bromoform

Concen: 0.202 ppbv

RT: 13.13 min Scan# 3218

Delta R.T. 0.02 min

Lab File: VL034309.D

Acq: 16 Oct 2019 22:44

Instrument :

MSVOA_L

ClientSampleId :

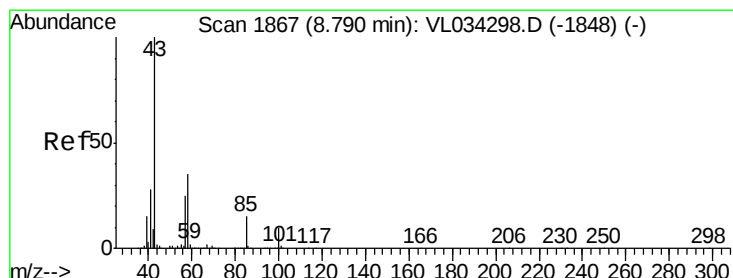
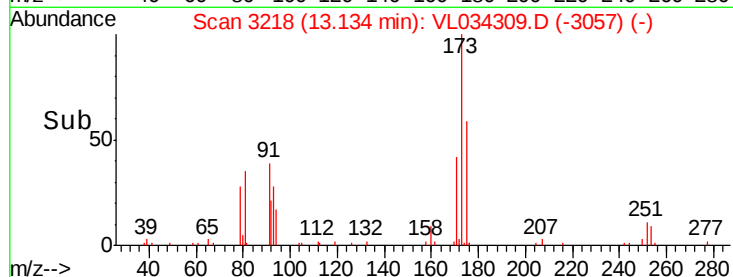
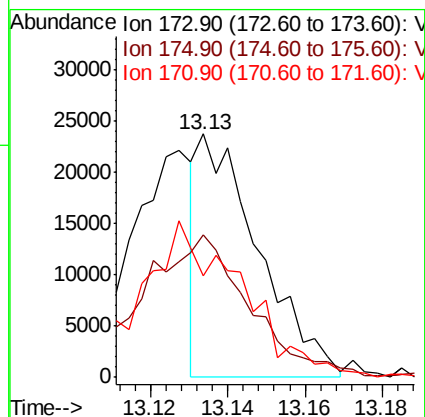
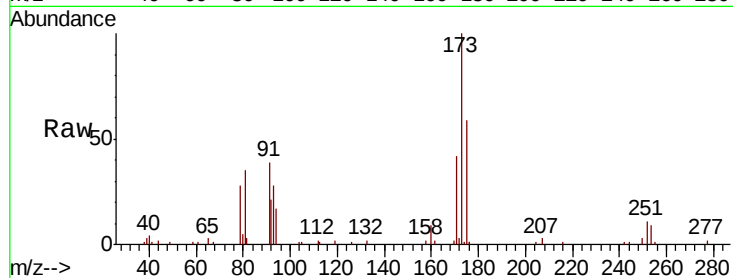
Tot Ion:173 Resp: 25525

Ion Ratio Lower Upper

173 100

175 110.2 39.8 59.6#

171 0.0 41.8 62.6#



#50

4-Methyl-2-Pentanone

Concen: 0.455 ppbv

RT: 8.82 min Scan# 1877

Delta R.T. 0.03 min

Lab File: VL034309.D

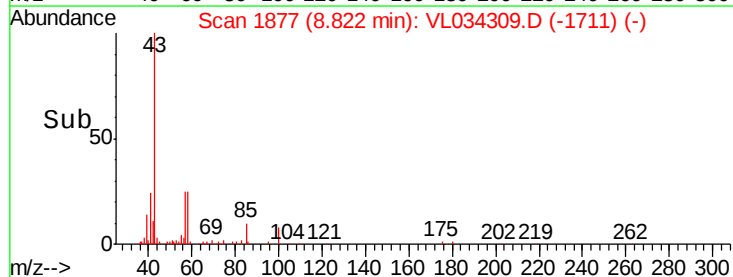
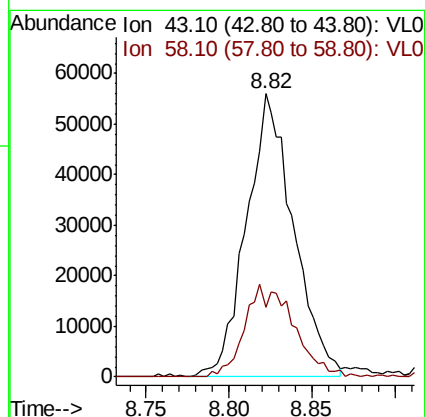
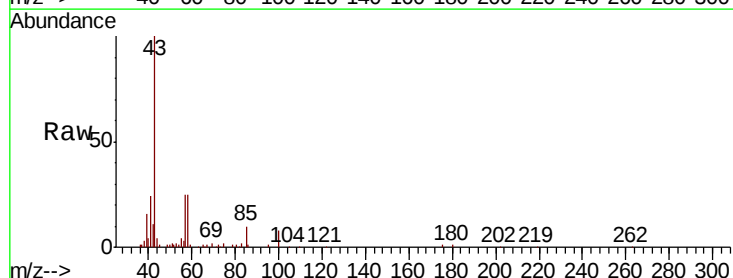
Acq: 16 Oct 2019 22:44

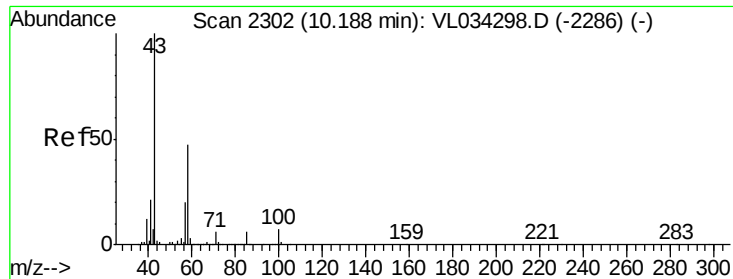
Tgt Ion: 43 Resp: 110530

Ion Ratio Lower Upper

43 100

58 34.1 27.6 41.4

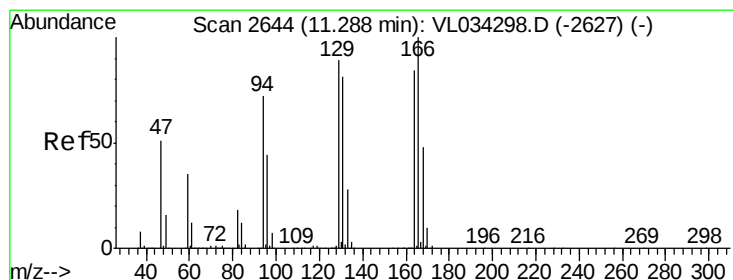
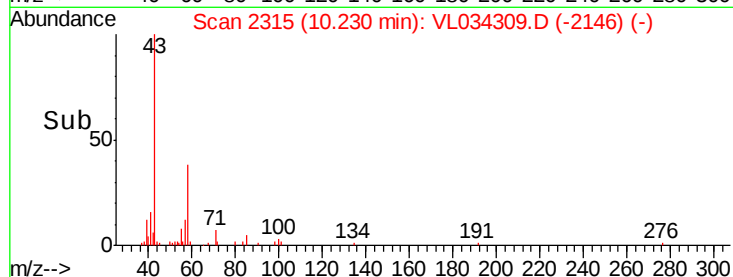
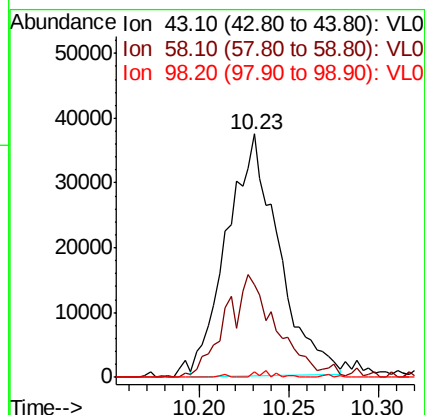
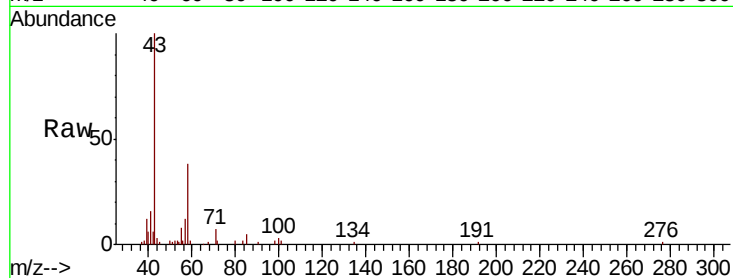




#51
2-Hexanone
Concen: 0.380 ppbv
RT: 10.23 min Scan# 2315
Delta R.T. 0.04 min
Lab File: VL034309.D
Acq: 16 Oct 2019 22:44

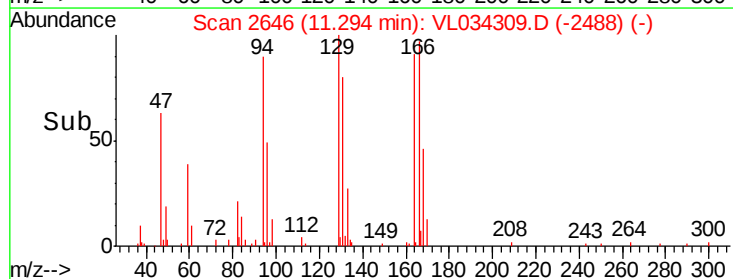
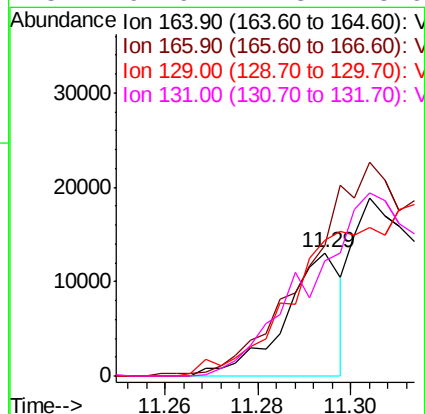
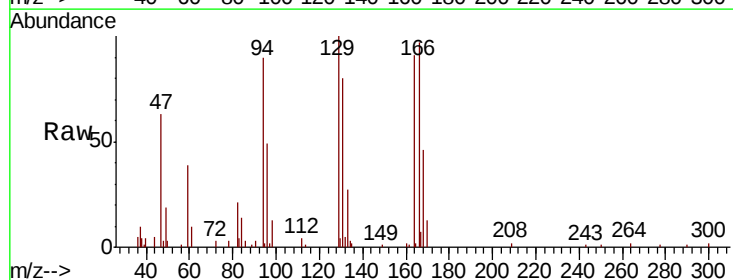
Instrument :
MSVOA_L
ClientSampleId :

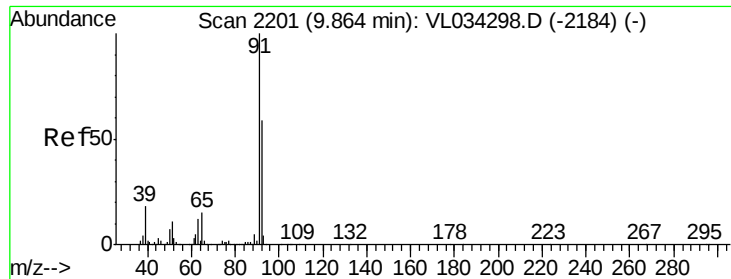
Tot Ion: 43 Resp: 75635
Ion Ratio Lower Upper
43 100
58 43.2 37.0 55.6
98 0.8 0.2 0.2#



#52
Tetrachloroethene
Concen: 0.142 ppbv
RT: 11.29 min Scan# 2646
Delta R.T. 0.01 min
Lab File: VL034309.D
Acq: 16 Oct 2019 22:44

Tgt Ion: 164 Resp: 11043
Ion Ratio Lower Upper
164 100
166 103.9 95.3 142.9
129 111.3 84.5 126.7
131 92.9 77.3 115.9





#53

Toluene

Concen: 0.408 ppbv

RT: 9.88 min Scan# 2206

Delta R.T. 0.02 min

Lab File: VL034309.D

Acq: 16 Oct 2019 22:44

Instrument :

MSVOA_L

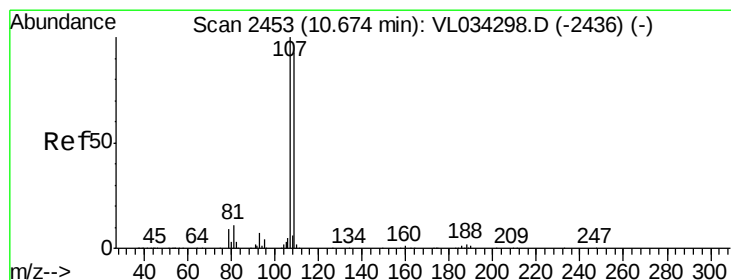
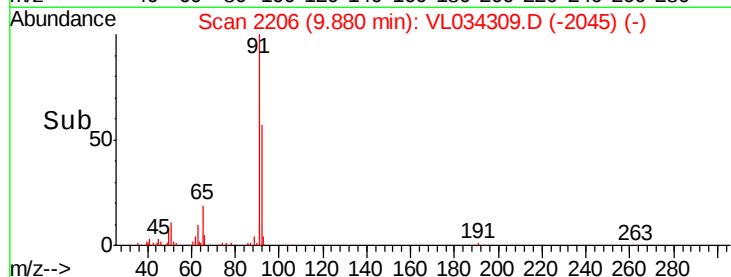
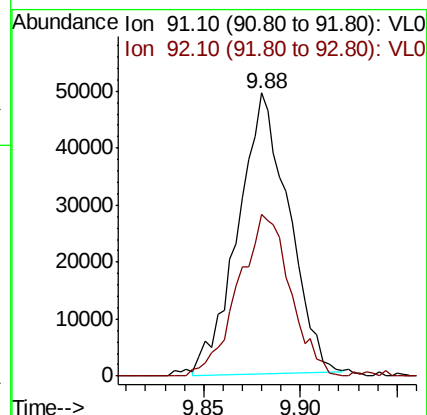
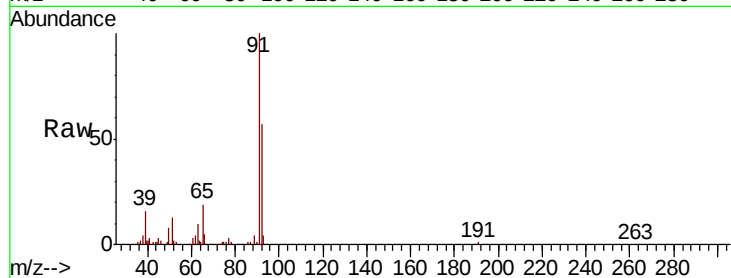
ClientSampleId :

Tot Ion: 91 Resp: 89611

Ion Ratio Lower Upper

91 100

92 60.1 48.4 72.6



#54

1,2-Dibromoethane

Concen: 0.456 ppbv

RT: 10.69 min Scan# 2458

Delta R.T. 0.02 min

Lab File: VL034309.D

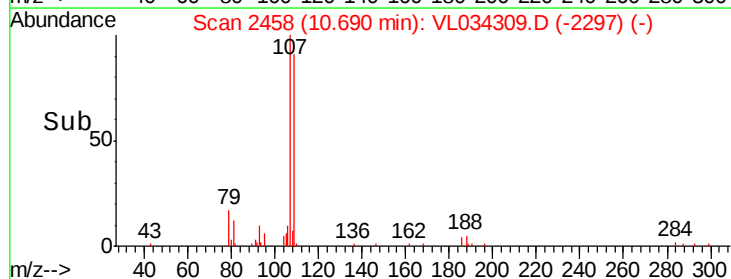
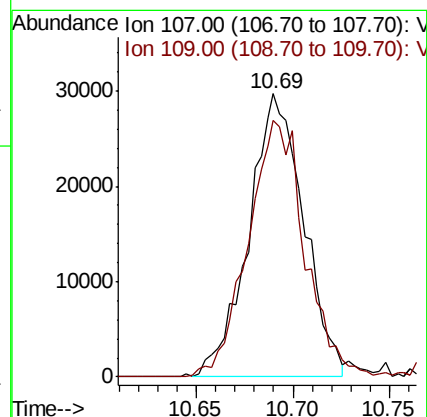
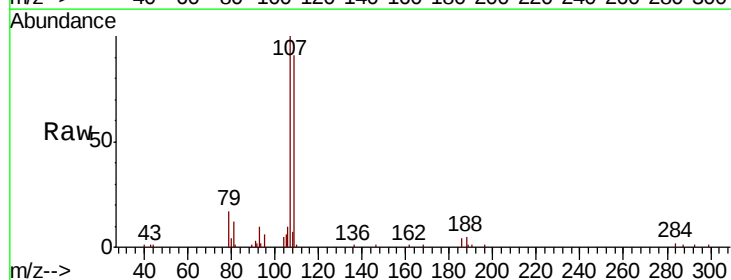
Acq: 16 Oct 2019 22:44

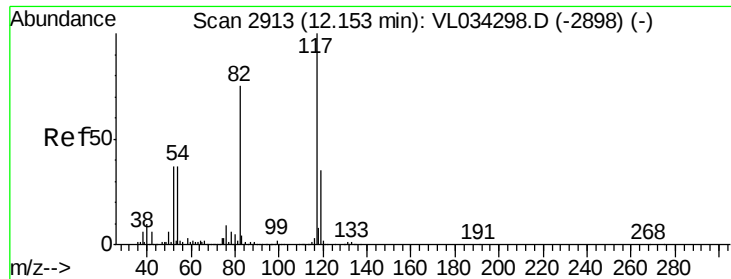
Tgt Ion: 107 Resp: 58604

Ion Ratio Lower Upper

107 100

109 90.0 74.6 112.0

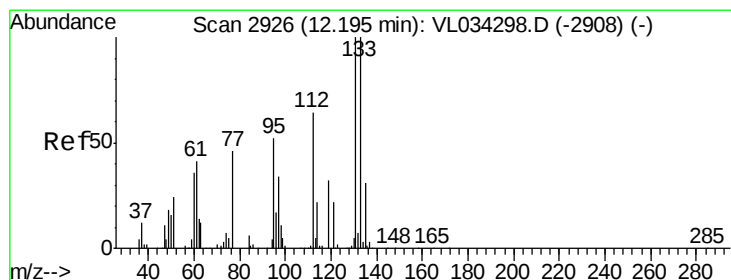
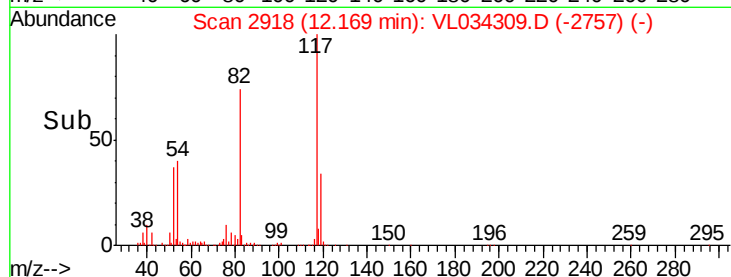
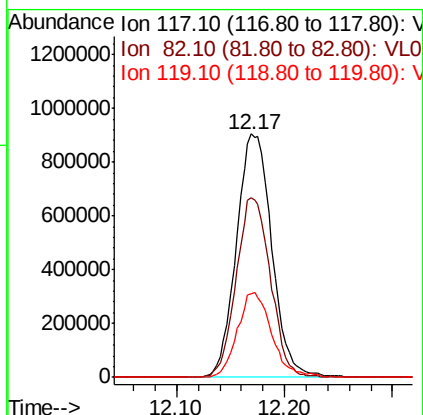
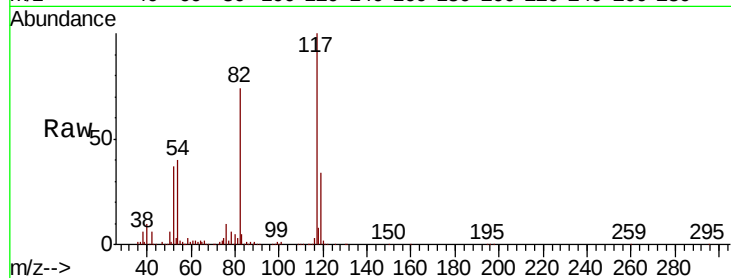




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.17 min Scan# 2918
Delta R.T. 0.02 min
Lab File: VL034309.D
Acq: 16 Oct 2019 22:44

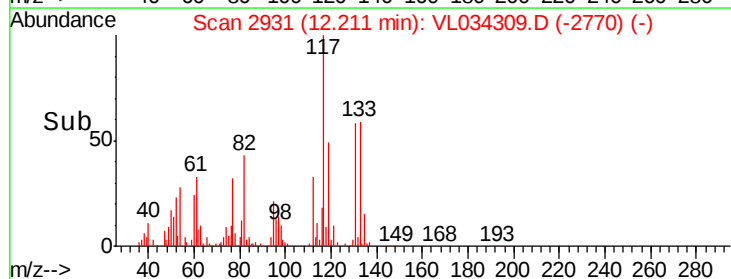
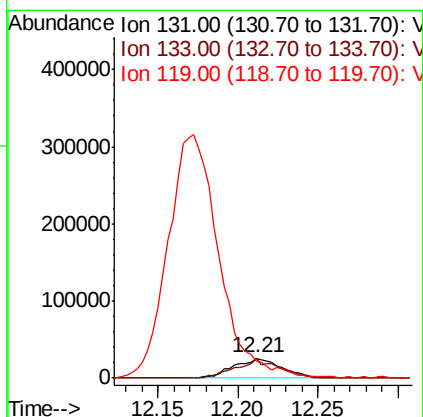
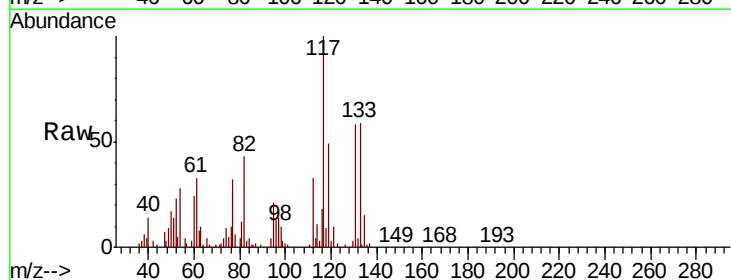
Instrument :
MSVOA_L
ClientSampleId :

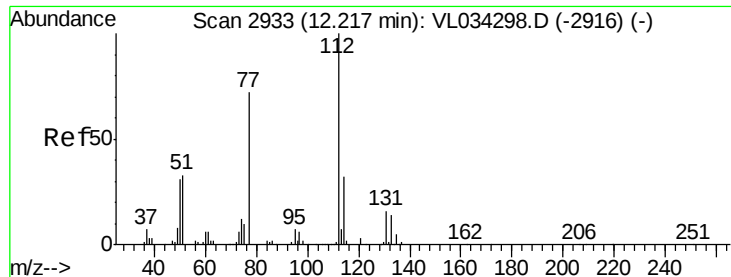
Tot Ion:117 Resp: 2065576
Ion Ratio Lower Upper
117 100
82 71.8 55.5 83.3
119 34.0 26.5 39.7



#56
1,1,1,2-Tetrachloroethane
Concen: 0.551 ppbv
RT: 12.21 min Scan# 2931
Delta R.T. 0.02 min
Lab File: VL034309.D
Acq: 16 Oct 2019 22:44

Tgt Ion:131 Resp: 52459
Ion Ratio Lower Upper
131 100
133 88.4 77.1 115.7
119 1340.9 49.0 73.4#

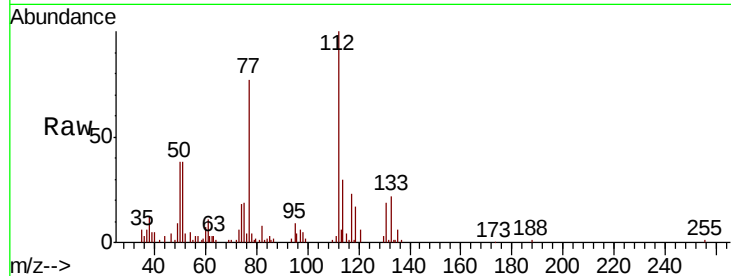




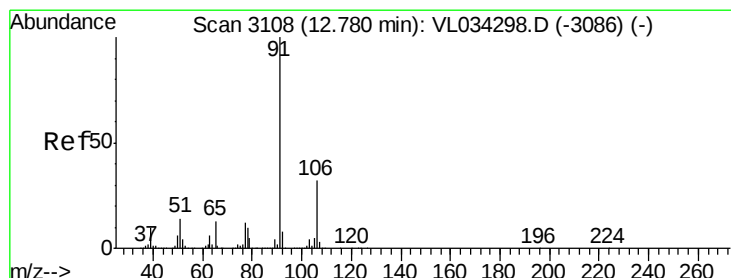
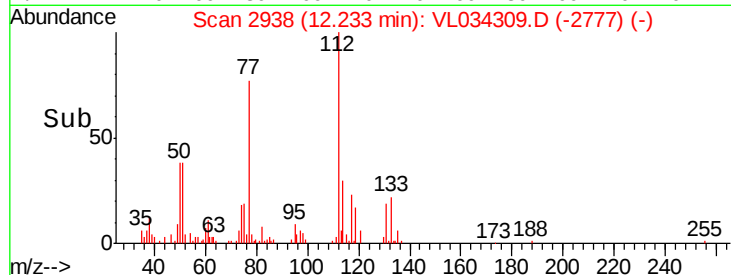
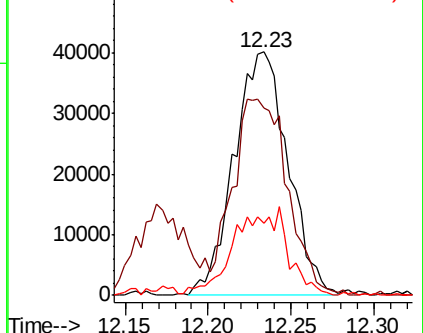
#57
Chlorobenzene
Concen: 0.527 ppbv
RT: 12.23 min Scan# 2938
Delta R.T. 0.02 min
Lab File: VL034309.D
Acq: 16 Oct 2019 22:44

Instrument :
MSVOA_L
ClientSampled :

Tot Ion:112 Resp: 90821
Ion Ratio Lower Upper
112 100
77 76.2 58.6 88.0
114 29.9 28.6 35.0

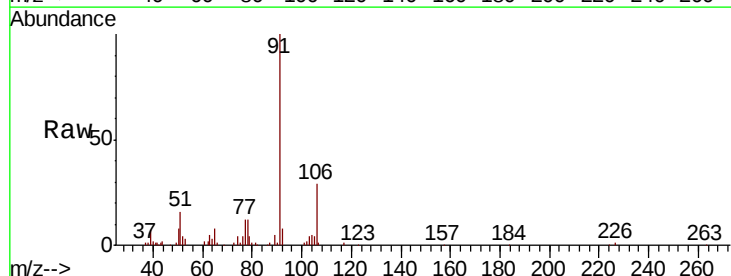


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

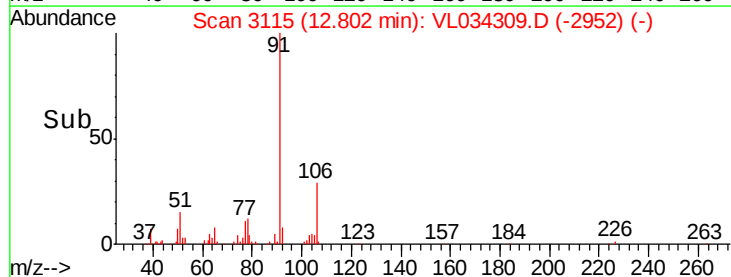
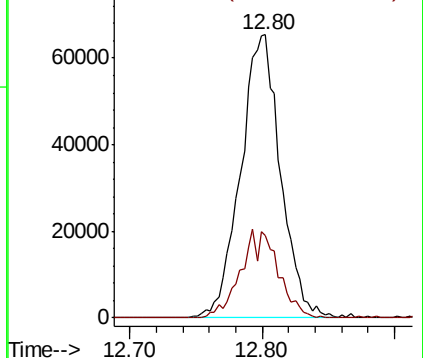


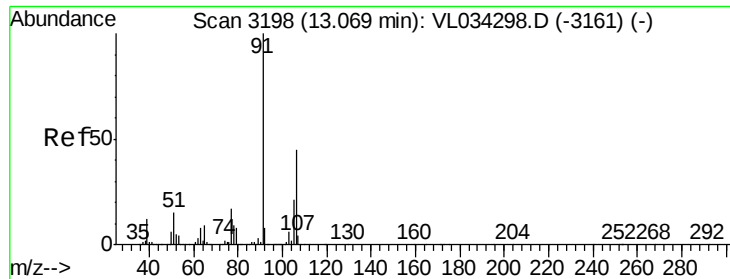
#58
Ethyl Benzene
Concen: 0.474 ppbv
RT: 12.80 min Scan# 3115
Delta R.T. 0.02 min
Lab File: VL034309.D
Acq: 16 Oct 2019 22:44

Tgt Ion: 91 Resp: 136762
Ion Ratio Lower Upper
91 100
106 29.2 25.3 37.9



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

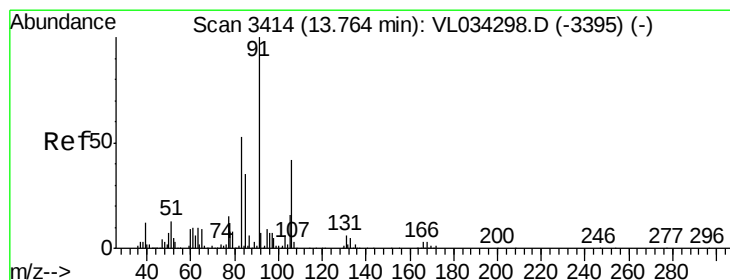
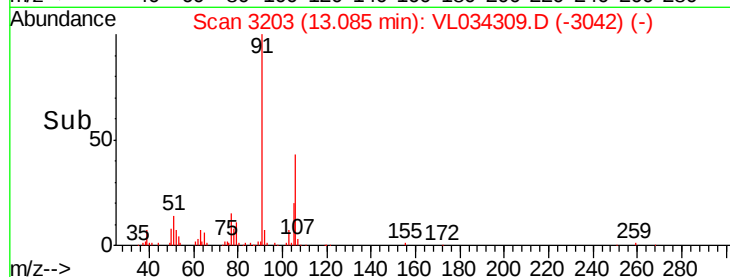
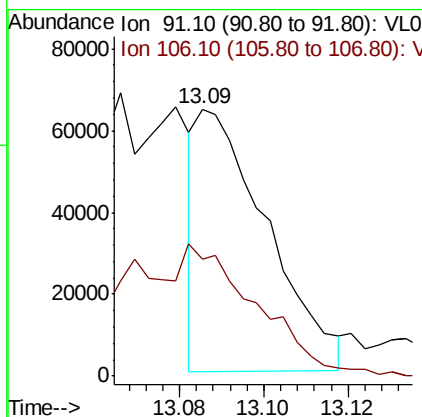
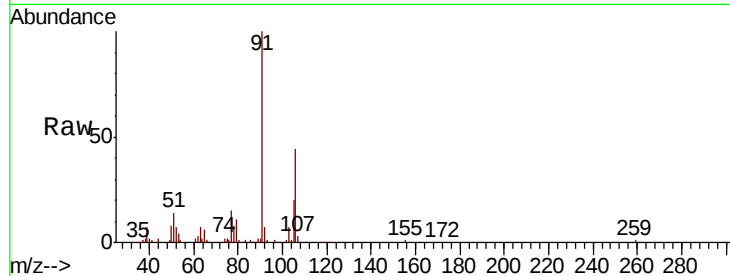




#59
m/p-Xylene
Concen: 0.295 ppbv
RT: 13.09 min Scan# 3203
Delta R.T. 0.02 min
Lab File: VL034309.D
Acq: 16 Oct 2019 22:44

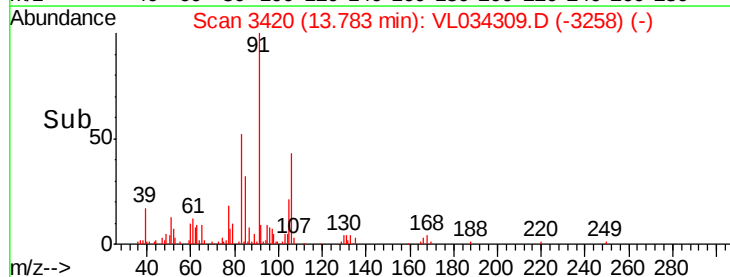
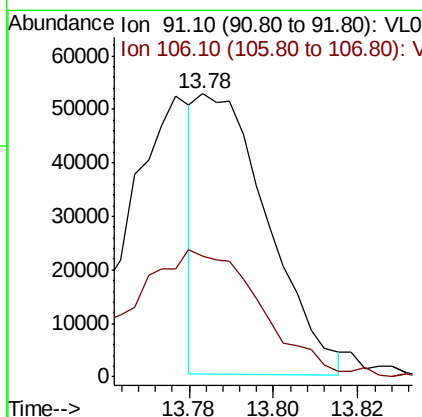
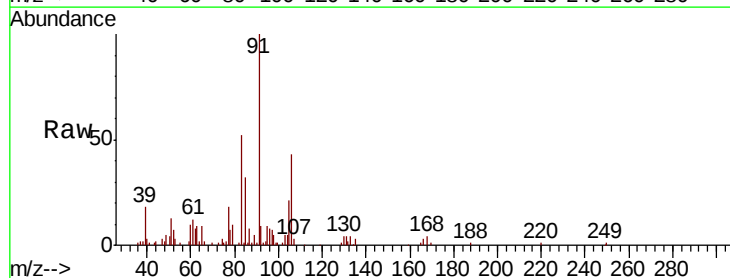
Instrument :
MSVOA_L
ClientSampled :

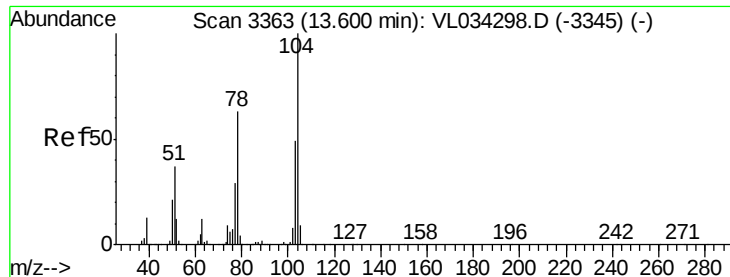
Tot Ion: 91 Resp: 73688
Ion Ratio Lower Upper
91 100
106 138.3 35.4 53.2#



#60
o-Xylene
Concen: 0.243 ppbv
RT: 13.78 min Scan# 3420
Delta R.T. 0.02 min
Lab File: VL034309.D
Acq: 16 Oct 2019 22:44

Tgt Ion: 91 Resp: 60481
Ion Ratio Lower Upper
91 100
106 87.0 21.6 64.6#





#61

Stvrene

Concen: 0.254 ppbv

RT: 13.62 min Scan# 3370

Delta R.T. 0.02 min

Lab File: VL034309.D

Acq: 16 Oct 2019 22:44

Instrument :

MSVOA_L

ClientSampleId :

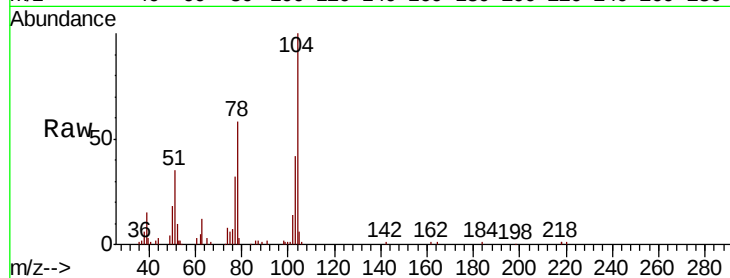
Tot Ion:104 Resp: 44521

Ion Ratio Lower Upper

104 100

78 105.5 47.8 71.8#

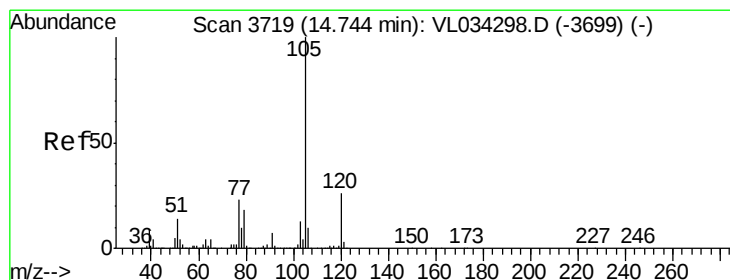
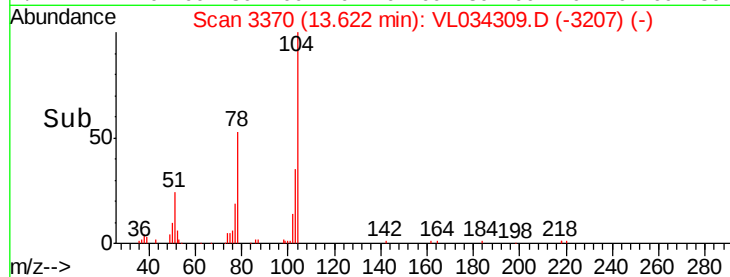
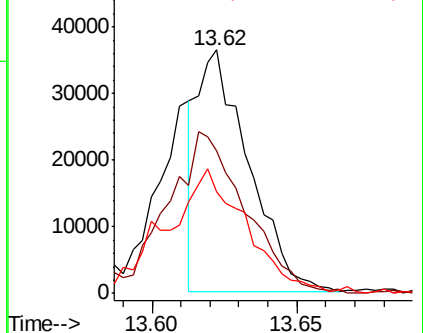
103 82.6 39.0 58.6#



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: 0.207 ppbv

RT: 14.76 min Scan# 3725

Delta R.T. 0.02 min

Lab File: VL034309.D

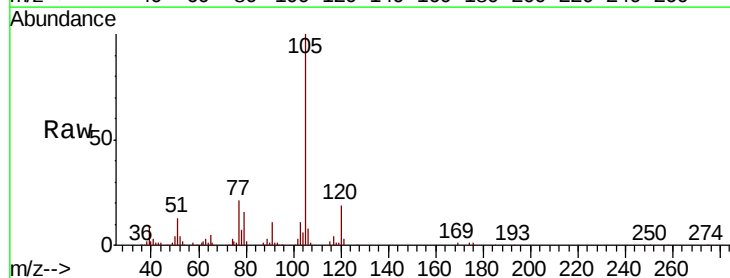
Acq: 16 Oct 2019 22:44

Tgt Ion:105 Resp: 68063

Ion Ratio Lower Upper

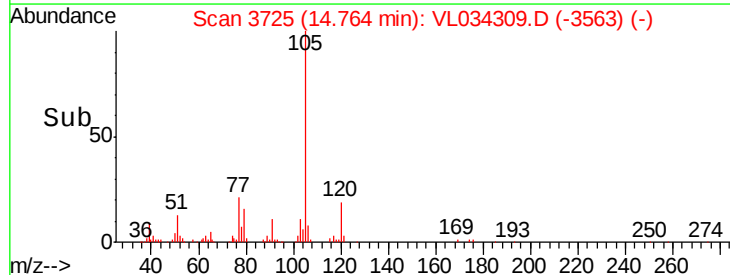
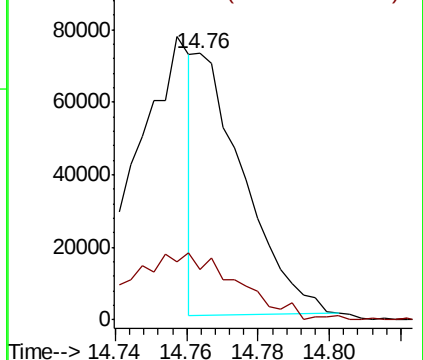
105 100

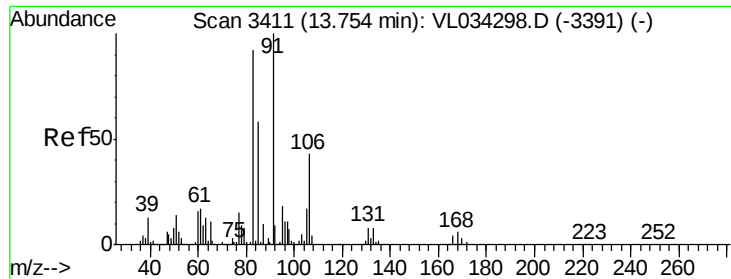
120 58.9 20.8 31.2#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

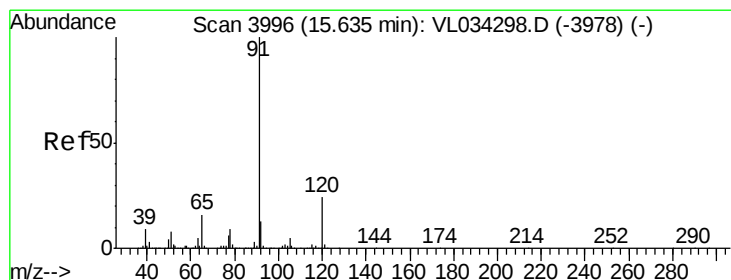
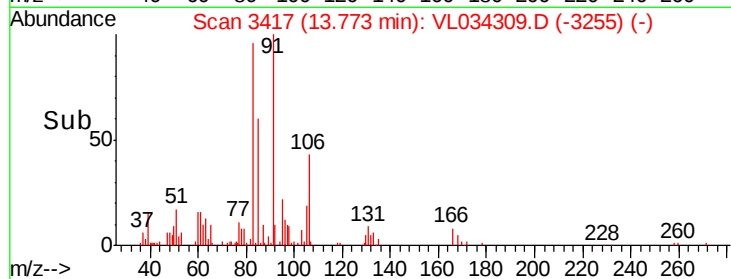
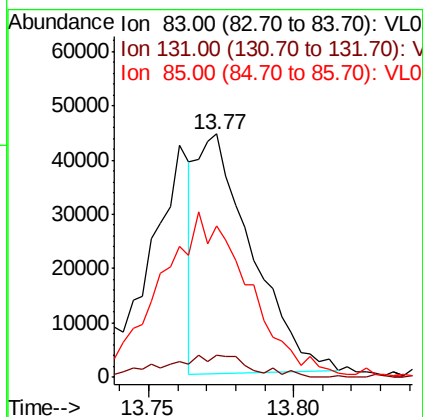
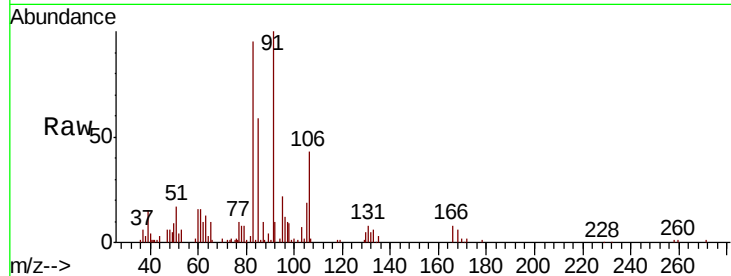




#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.292 ppbv
 RT: 13.77 min Scan# 3417
 Delta R.T. 0.02 min
 Lab File: VL034309.D
 Acq: 16 Oct 2019 22:44

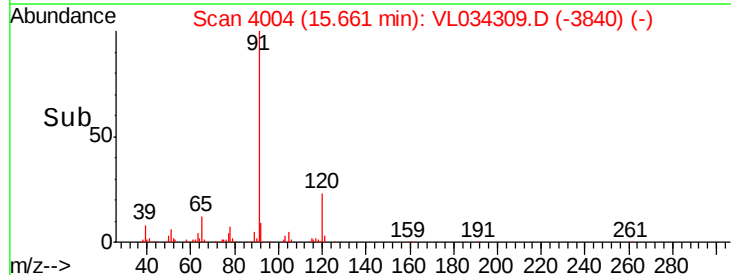
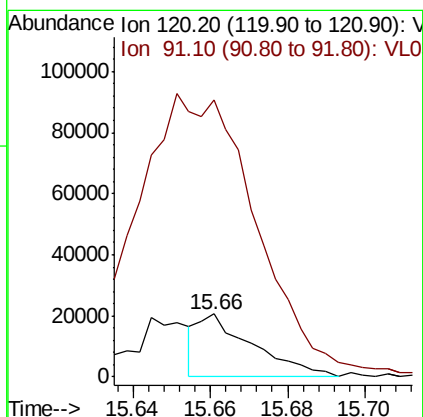
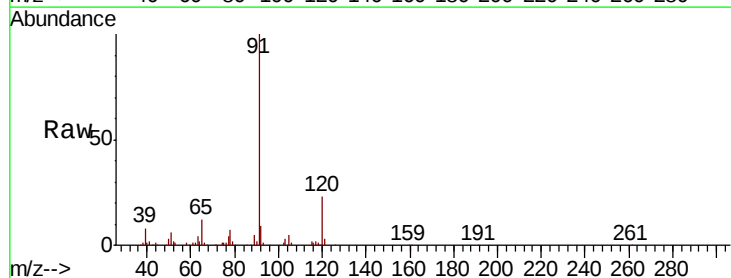
Instrument :
 MSVOA_L
 ClientSampleId :

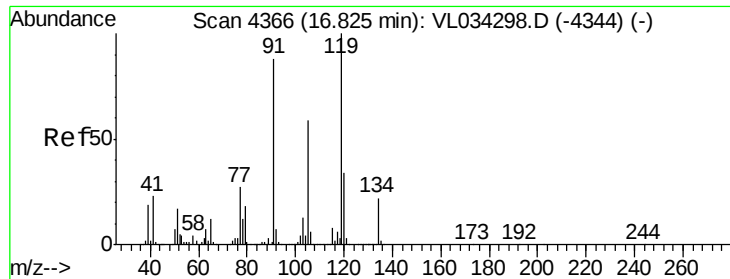
Tot Ion: 83 Resp: 58421
 Ion Ratio Lower Upper
 83 100
 131 15.1 4.8 14.4#
 85 113.9 32.5 97.4#



#64
 n-propylbenzene
 Concen: 0.240 ppbv
 RT: 15.66 min Scan# 4004
 Delta R.T. 0.03 min
 Lab File: VL034309.D
 Acq: 16 Oct 2019 22:44

Tgt Ion:120 Resp: 20265
 Ion Ratio Lower Upper
 120 100
 91 0.0 374.9 562.3#

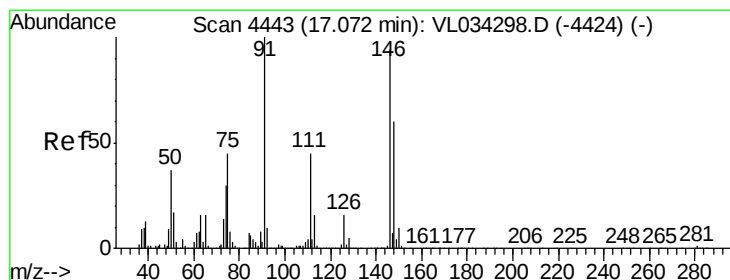
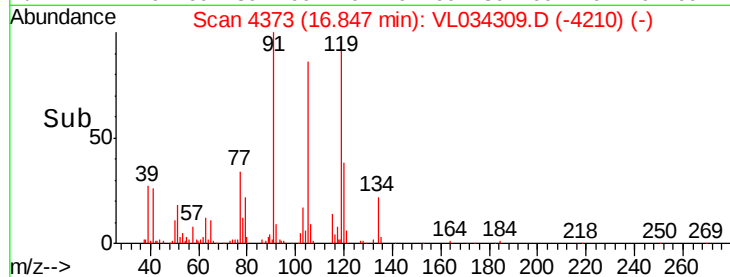
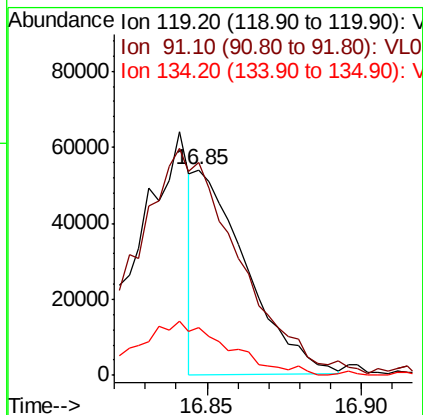
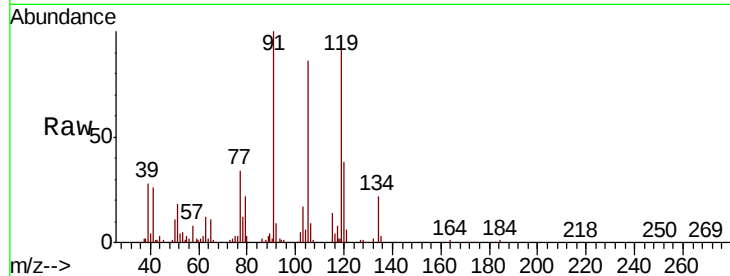




#65
 tert-Butylbenzene
 Concen: 0.213 ppbv
 RT: 16.85 min Scan# 4373
 Delta R.T. 0.02 min
 Lab File: VL034309.D
 Acq: 16 Oct 2019 22:44

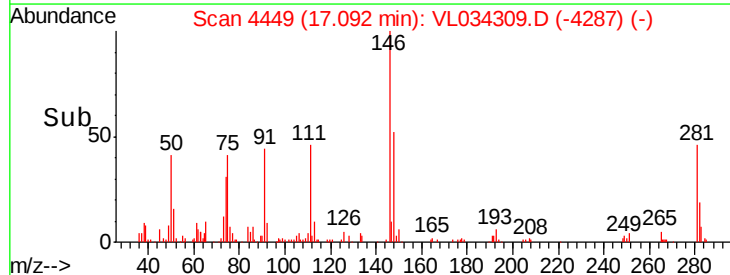
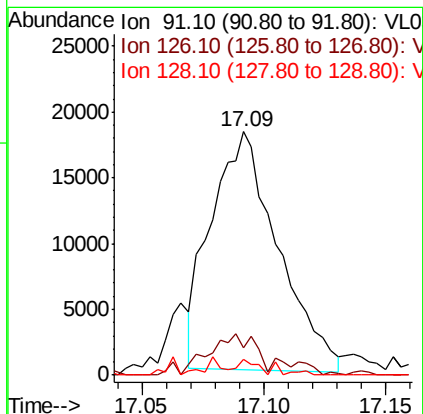
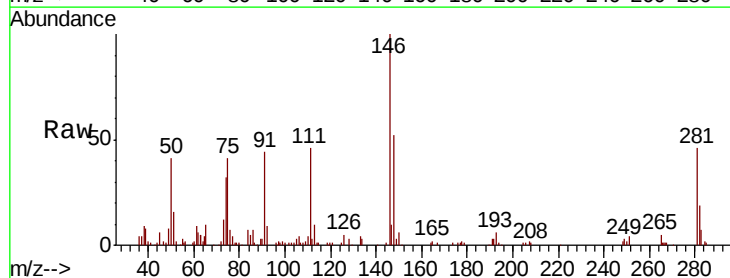
Instrument :
 MSVOA_L
 ClientSampled :

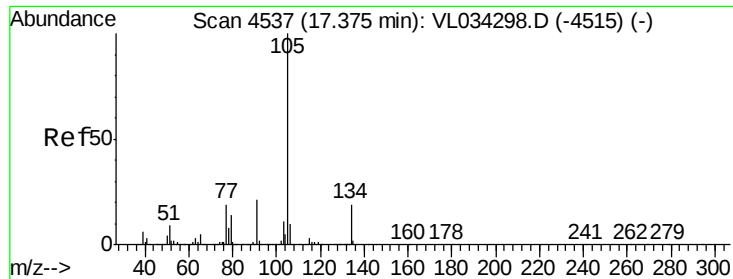
Tot Ion:119 Resp: 62017
 Ion Ratio Lower Upper
 119 100
 91 0.0 71.4 107.0#
 134 0.0 15.9 23.9#



#66
 Benzyl Chloride
 Concen: 0.299 ppbv
 RT: 17.09 min Scan# 4449
 Delta R.T. 0.02 min
 Lab File: VL034309.D
 Acq: 16 Oct 2019 22:44

Tgt Ion: 91 Resp: 34424
 Ion Ratio Lower Upper
 91 100
 126 15.8 12.9 19.3
 128 4.6 4.3 6.5





#67

sec-Butylbenzene

Concen: 0.508 ppbv

RT: 17.39 min Scan# 4542

Delta R.T. 0.02 min

Lab File: VL034309.D

Acq: 16 Oct 2019 22:44

Instrument :

MSVOA_L

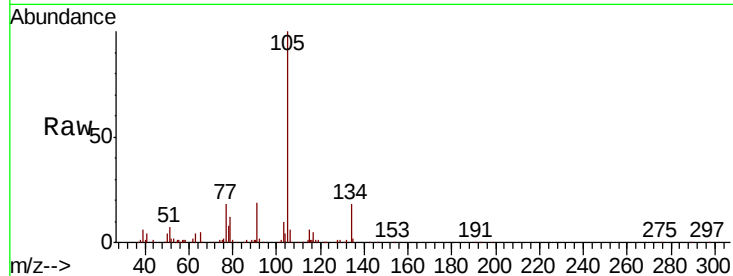
ClientSampleId :

Tot Ion:105 Resp: 208455

Ion Ratio Lower Upper

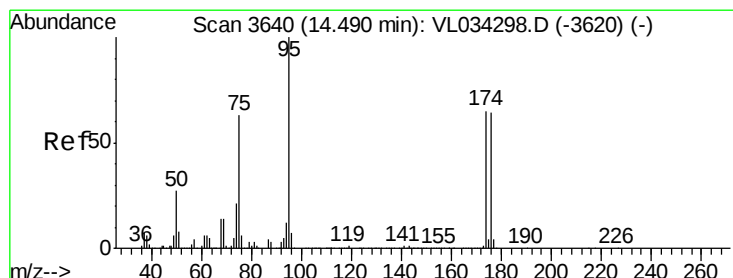
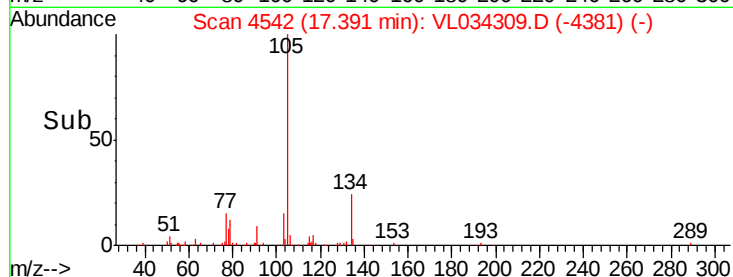
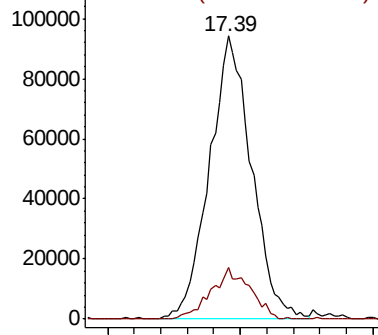
105 100

134 17.0 15.4 23.0



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: 10.336 ppbv

RT: 14.51 min Scan# 3646

Delta R.T. 0.02 min

Lab File: VL034309.D

Acq: 16 Oct 2019 22:44

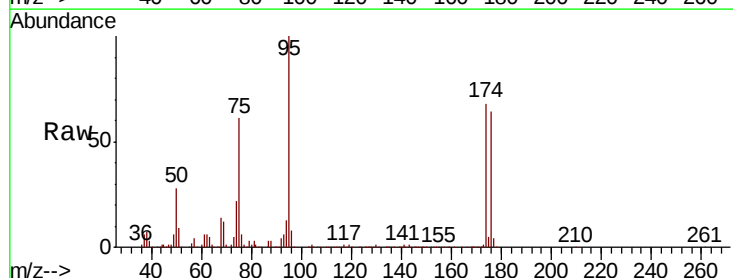
Tgt Ion: 95 Resp: 1808208

Ion Ratio Lower Upper

95 100

174 64.8 52.6 78.8

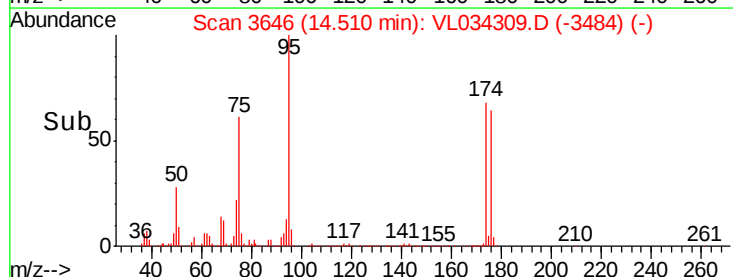
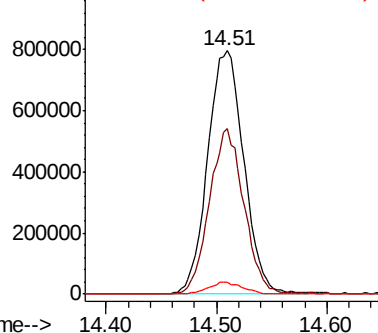
175 4.7 3.8 5.6

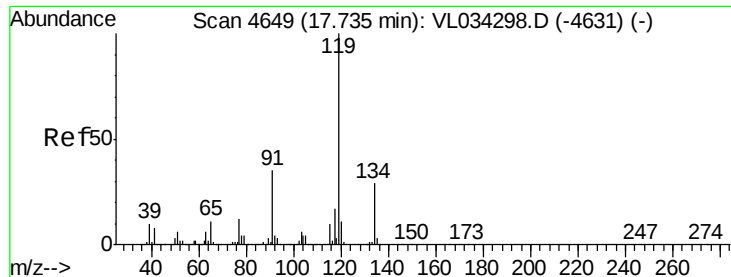


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

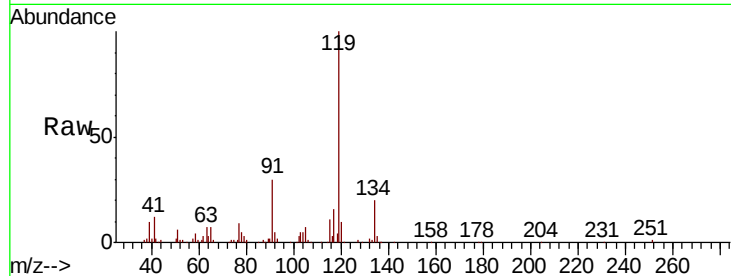




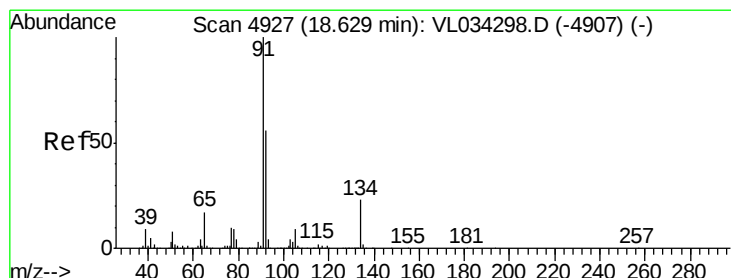
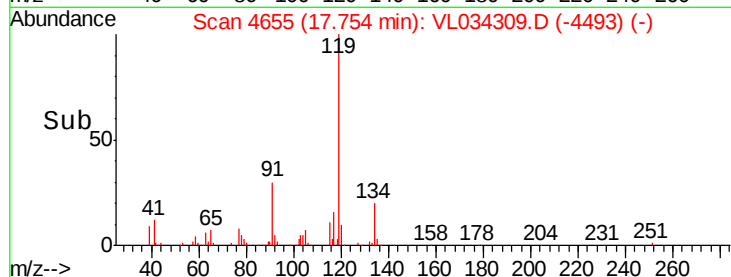
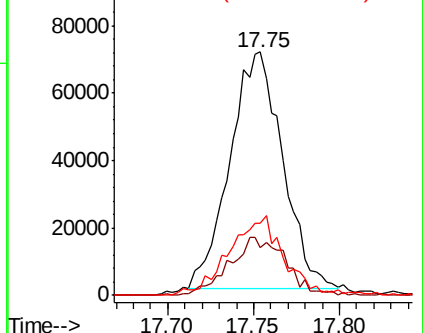
#69
 p-Isopropyltoluene
 Concen: 0.444 ppbv
 RT: 17.75 min Scan# 4655
 Delta R.T. 0.02 min
 Lab File: VL034309.D
 Acq: 16 Oct 2019 22:44

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.5	21.3	31.9
91	35.3	26.6	39.8

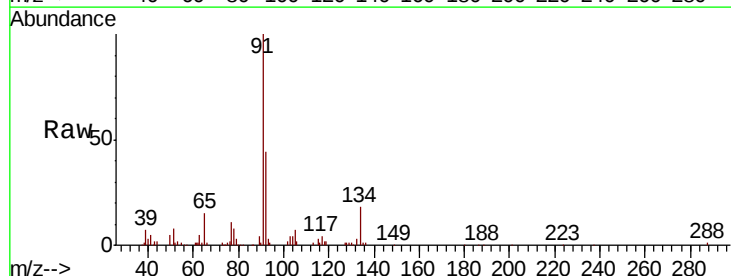


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

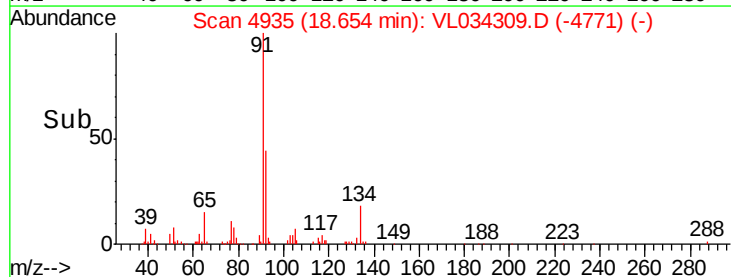
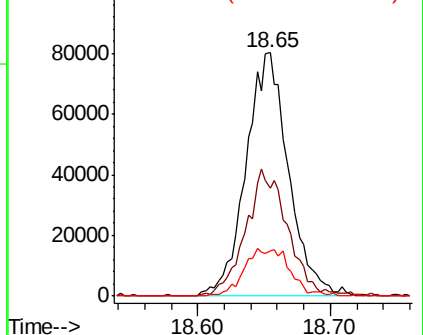


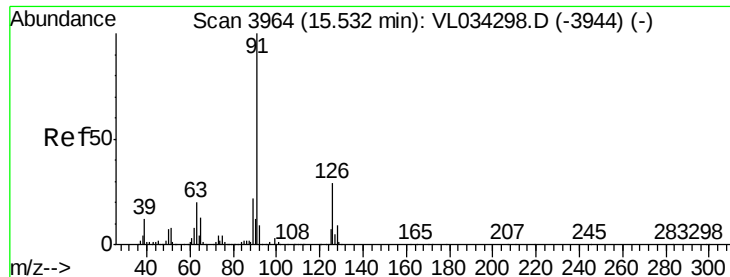
#70
 n-Butylbenzene
 Concen: 0.490 ppbv
 RT: 18.65 min Scan# 4935
 Delta R.T. 0.03 min
 Lab File: VL034309.D
 Acq: 16 Oct 2019 22:44

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.1	44.5	66.7
134	21.1	18.2	27.2



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: 0.368 ppbv

RT: 15.55 min Scan# 3970

Delta R.T. 0.02 min

Lab File: VL034309.D

Acq: 16 Oct 2019 22:44

Instrument :

MSVOA_L

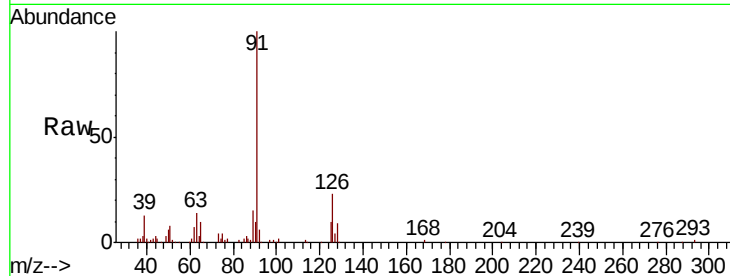
ClientSampleId :

Tot Ion: 91 Resp: 93727

Ion Ratio Lower Upper

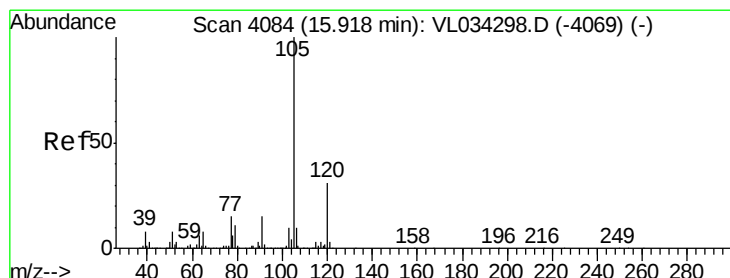
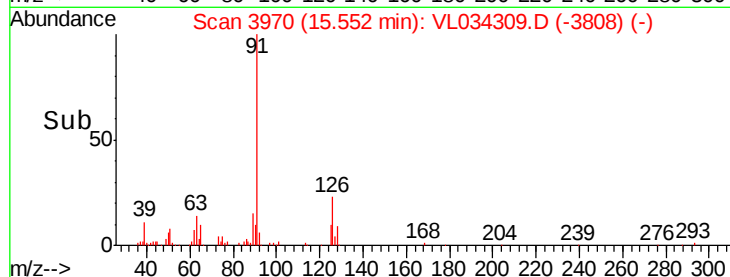
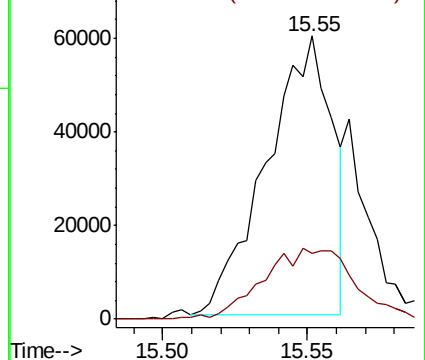
91 100

126 35.5 11.9 47.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 0.466 ppbv

RT: 15.93 min Scan# 4089

Delta R.T. 0.02 min

Lab File: VL034309.D

Acq: 16 Oct 2019 22:44

Tgt Ion:105 Resp: 130404

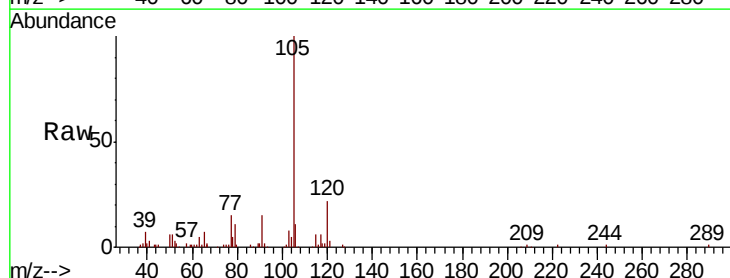
Ion Ratio Lower Upper

105 100

120 29.1 23.8 35.8

91 16.6 11.2 16.8

77 17.2 12.8 19.2

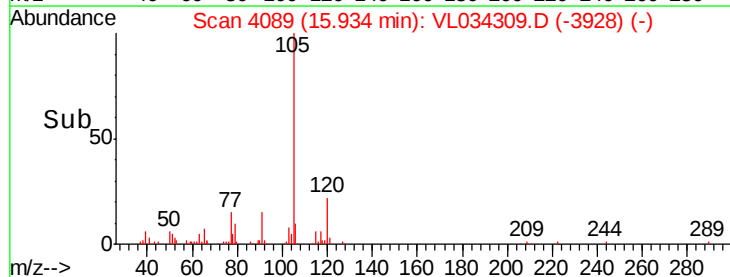
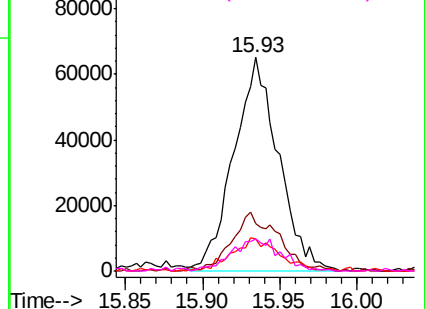


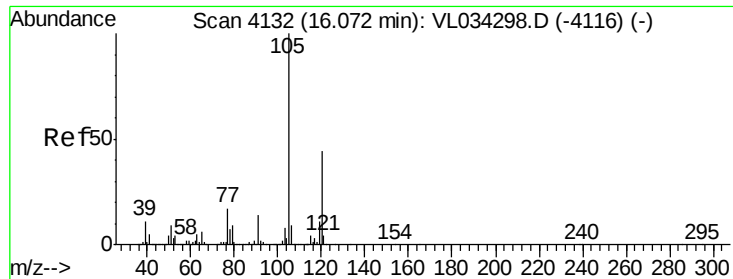
Abundance Ion 105.10 (104.80 to 105.80): V

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





#73

1,3,5-Trimethylbenzene

Concen: 0.254 ppbv

RT: 16.09 min Scan# 4139

Delta R.T. 0.02 min

Lab File: VL034309.D

Acq: 16 Oct 2019 22:44

Instrument :

MSVOA_L

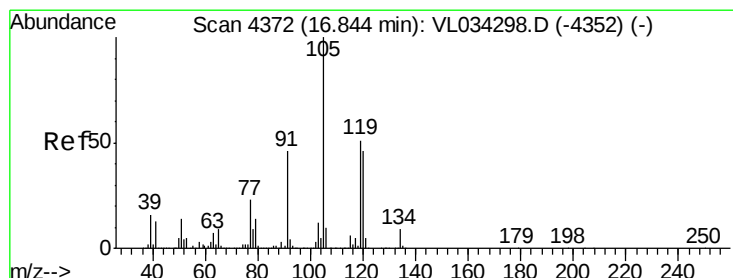
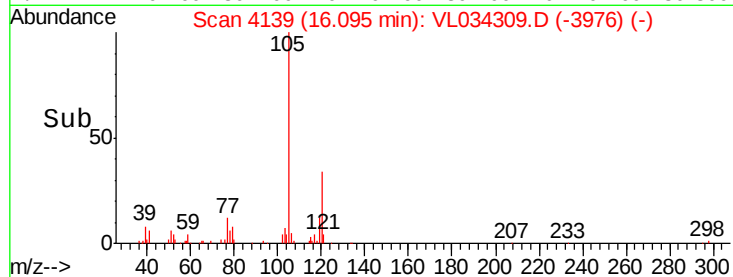
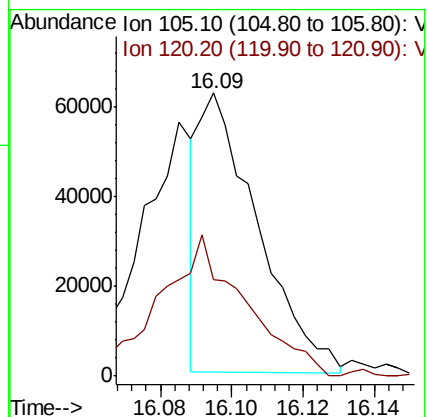
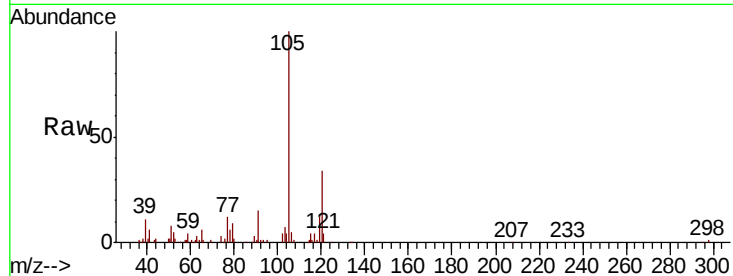
ClientSampleId :

Tot Ion:105 Resp: 70483

Ion Ratio Lower Upper

105 100

120 35.2 35.2 52.8



#74

1,2,4-Trimethylbenzene

Concen: 0.494 ppbv

RT: 16.86 min Scan# 4377

Delta R.T. 0.02 min

Lab File: VL034309.D

Acq: 16 Oct 2019 22:44

Tgt Ion:105 Resp: 142803

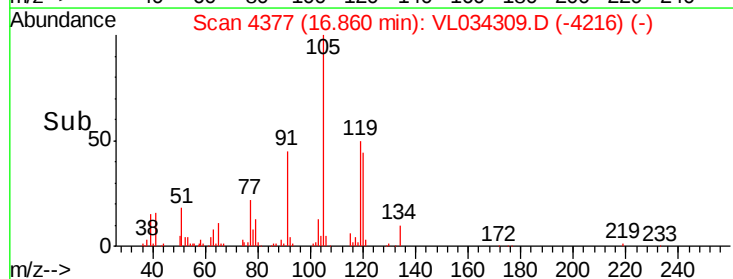
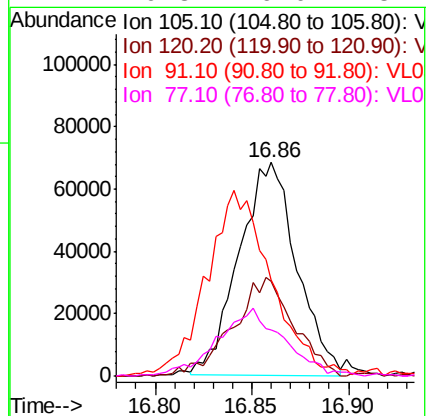
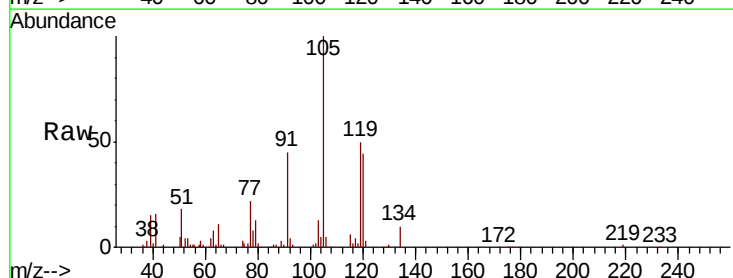
Ion Ratio Lower Upper

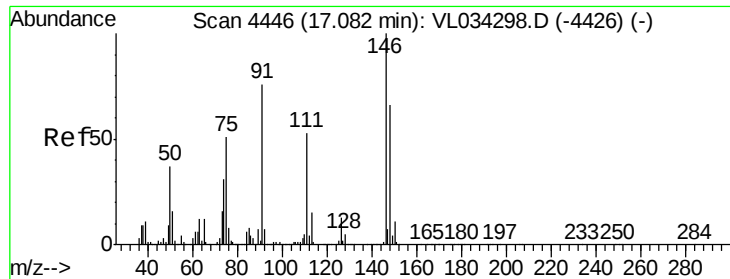
105 100

120 45.0 37.0 55.6

91 42.0 38.2 57.2

77 20.3 19.0 28.4

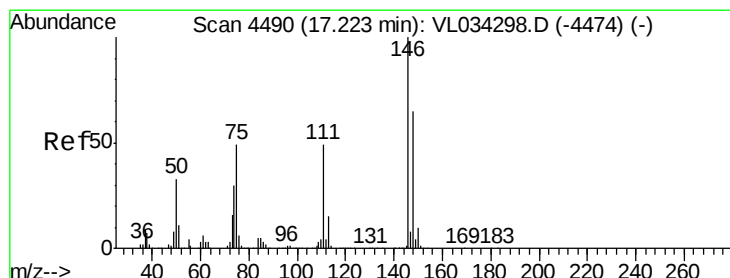
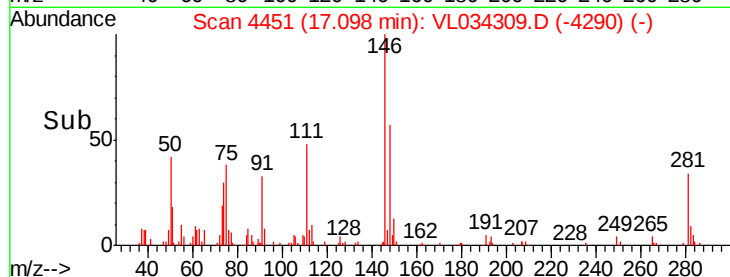
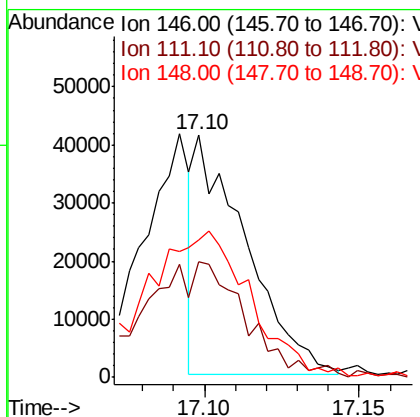
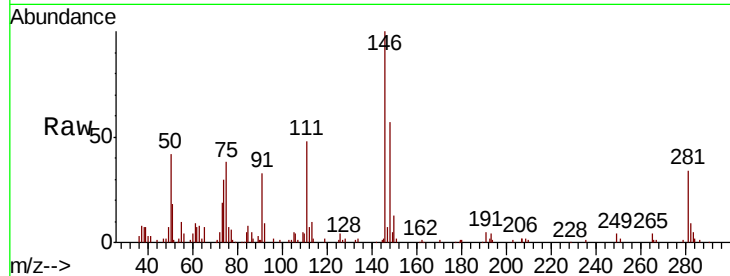




#75
 1,3-Dichlorobenzene
 Concen: 0.272 ppbv
 RT: 17.10 min Scan# 4451
 Delta R.T. 0.02 min
 Lab File: VL034309.D
 Acq: 16 Oct 2019 22:44

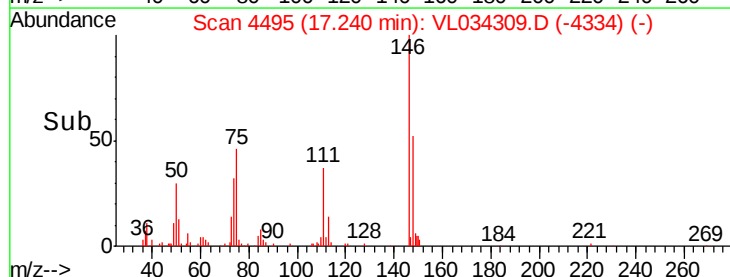
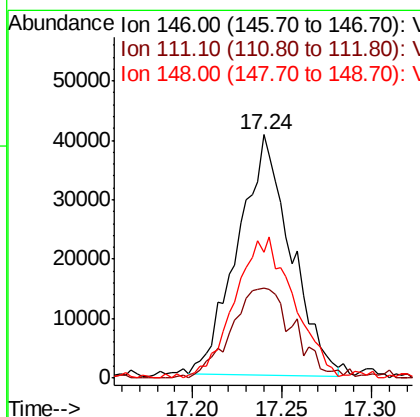
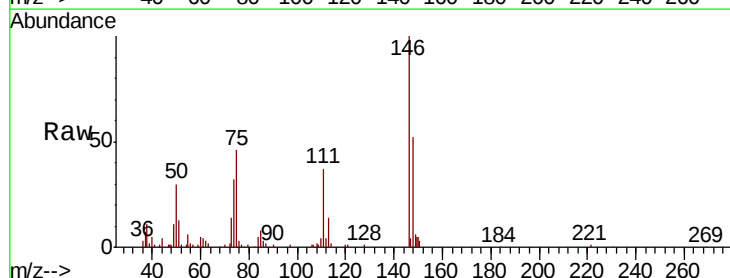
Instrument :
 MSVOA_L
 ClientSampled :

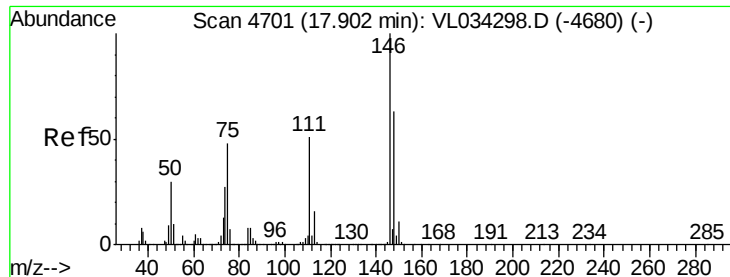
Tot Ion:146 Resp: 47222
 Ion Ratio Lower Upper
 146 100
 111 98.3 24.5 73.5#
 148 128.0 32.3 96.8#



#76
 1,4-Dichlorobenzene
 Concen: 0.493 ppbv
 RT: 17.24 min Scan# 4495
 Delta R.T. 0.02 min
 Lab File: VL034309.D
 Acq: 16 Oct 2019 22:44

Tgt Ion:146 Resp: 83643
 Ion Ratio Lower Upper
 146 100
 111 45.9 23.9 71.7
 148 66.9 33.1 99.2





#77

1,2-Dichlorobenzene

Concen: 0.503 ppbv

RT: 17.92 min Scan# 4707

Delta R.T. 0.02 min

Lab File: VL034309.D

Acq: 16 Oct 2019 22:44

Instrument :

MSVOA_L

ClientSampleId :

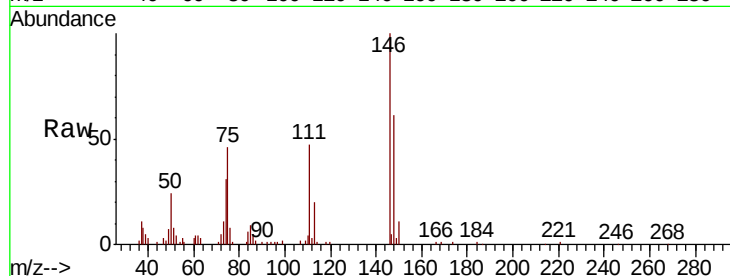
Tot Ion:146 Resp: 85674

Ion Ratio Lower Upper

146 100

111 54.4 25.1 75.3

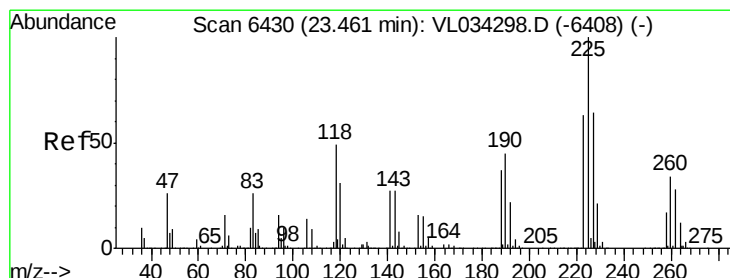
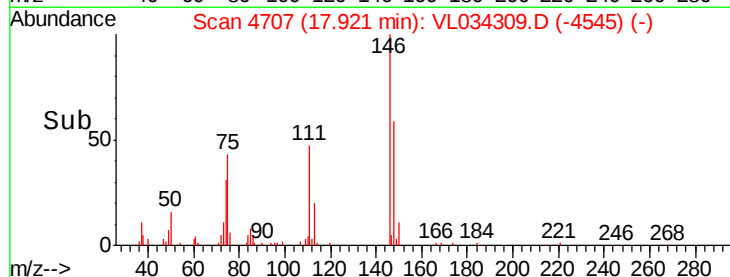
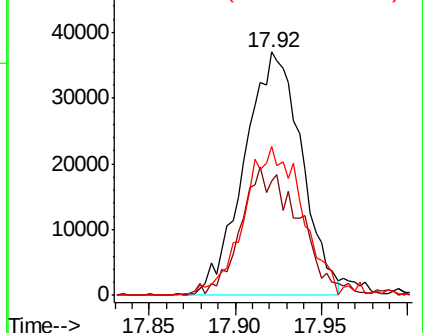
148 63.7 32.3 96.8



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: 0.299 ppbv

RT: 23.48 min Scan# 6435

Delta R.T. 0.02 min

Lab File: VL034309.D

Acq: 16 Oct 2019 22:44

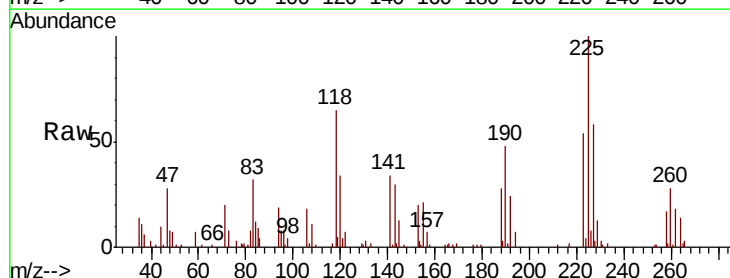
Tgt Ion:225 Resp: 42194

Ion Ratio Lower Upper

225 100

223 101.8 50.8 76.2#

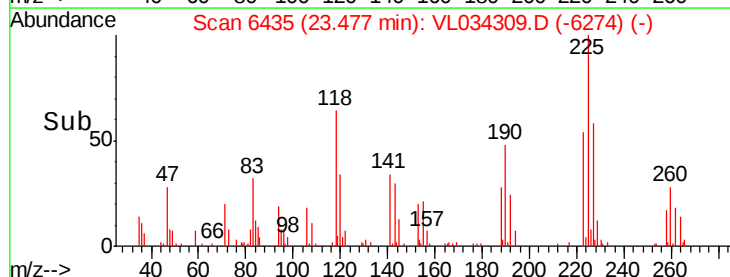
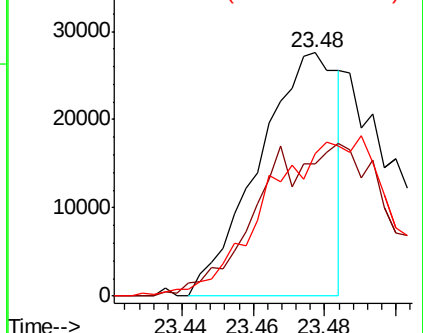
227 106.3 51.5 77.3#

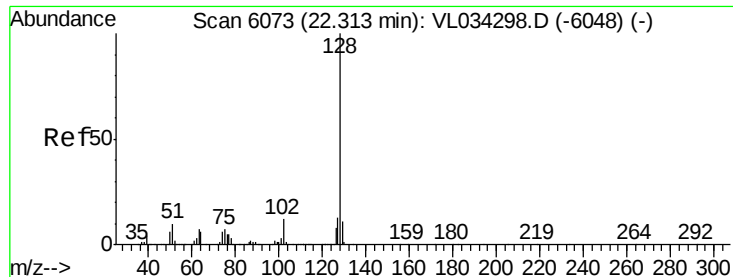


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 0.193 ppbv

RT: 22.33 min Scan# 6079

Delta R.T. 0.02 min

Lab File: VL034309.D

Acq: 16 Oct 2019 22:44

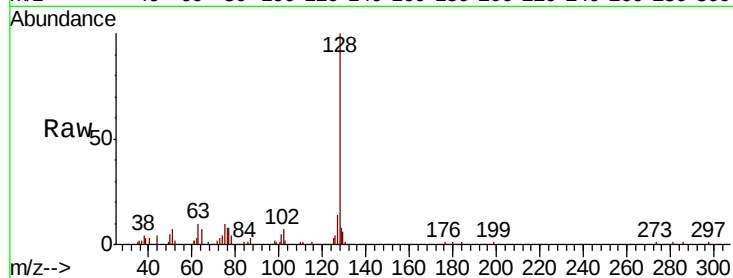
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:128 Resp: 40751

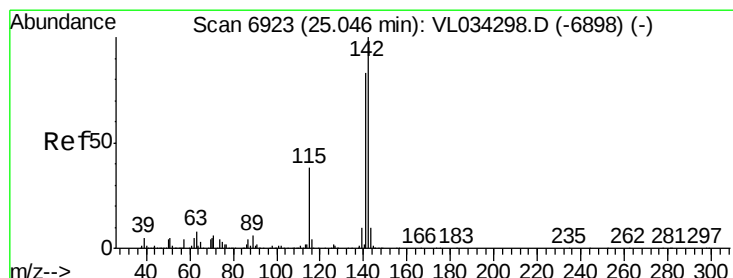
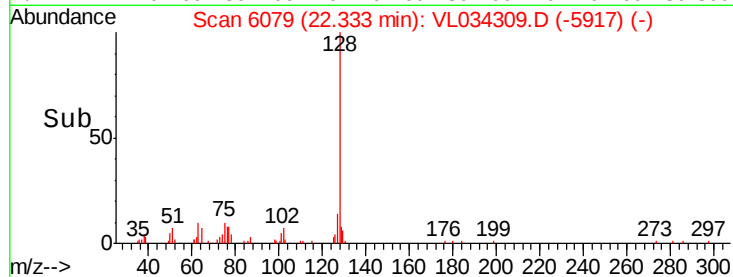
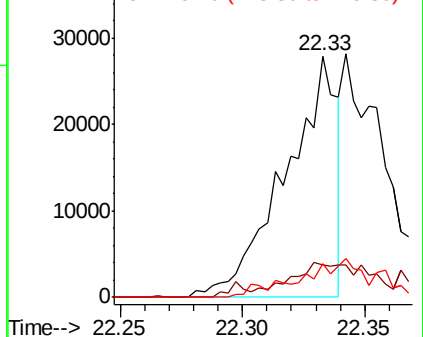
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.4
129	13.1	8.9	13.3



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: 0.216 ppbv

RT: 25.07 min Scan# 6929

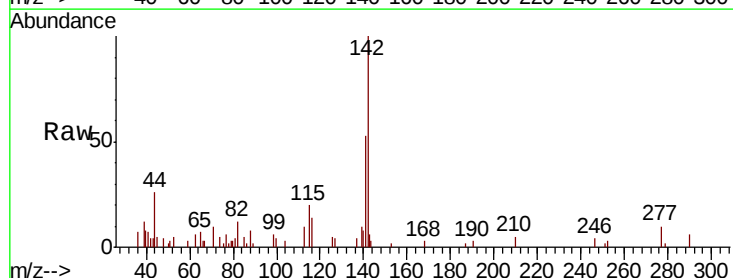
Delta R.T. 0.02 min

Lab File: VL034309.D

Acq: 16 Oct 2019 22:44

Tgt Ion:142 Resp: 13191

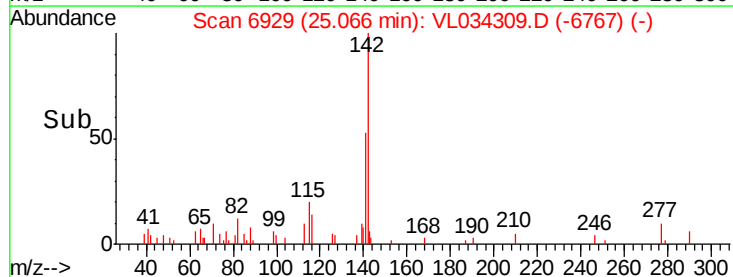
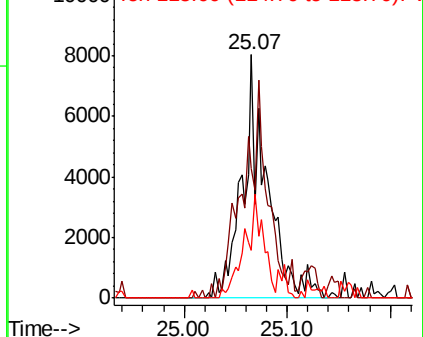
Ion	Ratio	Lower	Upper
142	100		
141	90.9	65.7	98.5
115	37.3	30.9	46.3

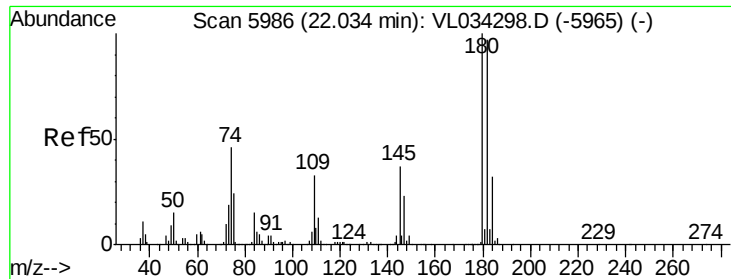


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 0.051 ppbv

RT: 22.07 min Scan# 5996

Delta R.T. 0.03 min

Lab File: VL034309.D

Acq: 16 Oct 2019 22:44

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:180 Resp: 6977

Ion Ratio Lower Upper

180 100

182 0.0 77.8 116.8#

184 275.5 25.4 38.2#

