

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070219\
 Data File : VL034003.D
 Acq On : 3 Jul 2019 3:10
 Operator : SY/AP
 Sample : K3591-13 LOD 0.4
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 03 04:35:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070219AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 02 19:31:31 2019
 QLast Update : Tue Jul 02 19:31:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.73	49	884393	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.26	114	2543289	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.20	117	2445376	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.54	95	2052577	9.84	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.40%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.06	85	106320	0.583	ppbv 92
3) Chlorodifluoromethane	3.00	51	51492	0.472	ppbv 94
4) Chloromethane	3.16	50	28388	0.452	ppbv # 87
5) Vinyl Chloride	3.27	62	29847	0.423	ppbv # 86
6) Bromomethane	3.49	94	9972	0.239	ppbv 98
7) Chloroethane	3.59	64	11883	0.471	ppbv # 72
8) Dichlorotetrafluoroethane	3.21	85	92106	0.518	ppbv 95
9) Propene	3.02	41	13698	0.341	ppbv 94
10) Heptane	8.21	43	16788	0.167	ppbv # 23
11) Trichlorofluoromethane	3.99	101	95590	0.466	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.53	101	67452	0.464	ppbv 100
13) Ethanol	3.64	45	4031	0.323	ppbv # 35
14) Bromoethene	3.76	108	8264	0.152	ppbv # 6
15) Acetone	3.90	43	65327	0.439	ppbv 91
16) 1,3-Butadiene	3.35	39	15367	0.293	ppbv # 73
17) tert-Butyl alcohol	4.36	59	53348	0.450	ppbv # 94
18) 1,1-Dichloroethene	4.33	96	26832	0.415	ppbv # 70
19) Isopropyl Alcohol	4.02	45	24846	0.249	ppbv # 75
20) Methylene Chloride	4.38	84	18975	0.293	ppbv 87
21) Allyl Chloride	4.45	41	37068	0.400	ppbv 93
22) trans-1,2-Dichloroethene	4.94	96	25340	0.411	ppbv 82
23) Vinyl Acetate	5.14	43	50503	0.340	ppbv # 95
24) 1,1-Dichloroethane	5.07	63	56351	0.428	ppbv # 93
25) Ethyl Acetate	5.75	43	78676	0.387	ppbv 97
26) Hexane	5.75	57	36009	0.387	ppbv 92
27) Carbon Disulfide	4.61	76	61377	0.388	ppbv # 84
28) Methyl tert-Butyl Ether	5.10	73	33982	0.216	ppbv # 55
29) Chloroform	5.82	83	80974	0.463	ppbv 97
30) Cyclohexane	7.21	84	9122	0.127	ppbv # 1
31) cis-1,2-Dichloroethene	5.61	61	17709	0.197	ppbv # 88
32) 1,1,1-Trichloroethane	6.59	97	41302	0.233	ppbv # 41
34) 2-Butanone	5.32	43	22695	0.169	ppbv # 50
35) Carbon Tetrachloride	7.10	117	82927	0.412	ppbv 100
36) Benzene	6.98	78	60133	0.302	ppbv # 95
37) 1,2-Dichloroethane	6.38	62	28378	0.194	ppbv # 82
38) Trichloroethene	7.93	130	18579	0.210	ppbv # 76
39) 1,2-Dichloropropane	7.71	63	11005	0.149	ppbv 90
42) Bromodichloromethane	7.89	83	75100	0.382	ppbv # 83
43) Methyl Methacrylate	8.10	69	8643	0.114	ppbv # 1
44) 2,2,4-Trimethylpentane	7.96	57	46142	0.134	ppbv # 34
45) t-1,3-Dichloropropene	9.38	75	20735	0.210	ppbv 99

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

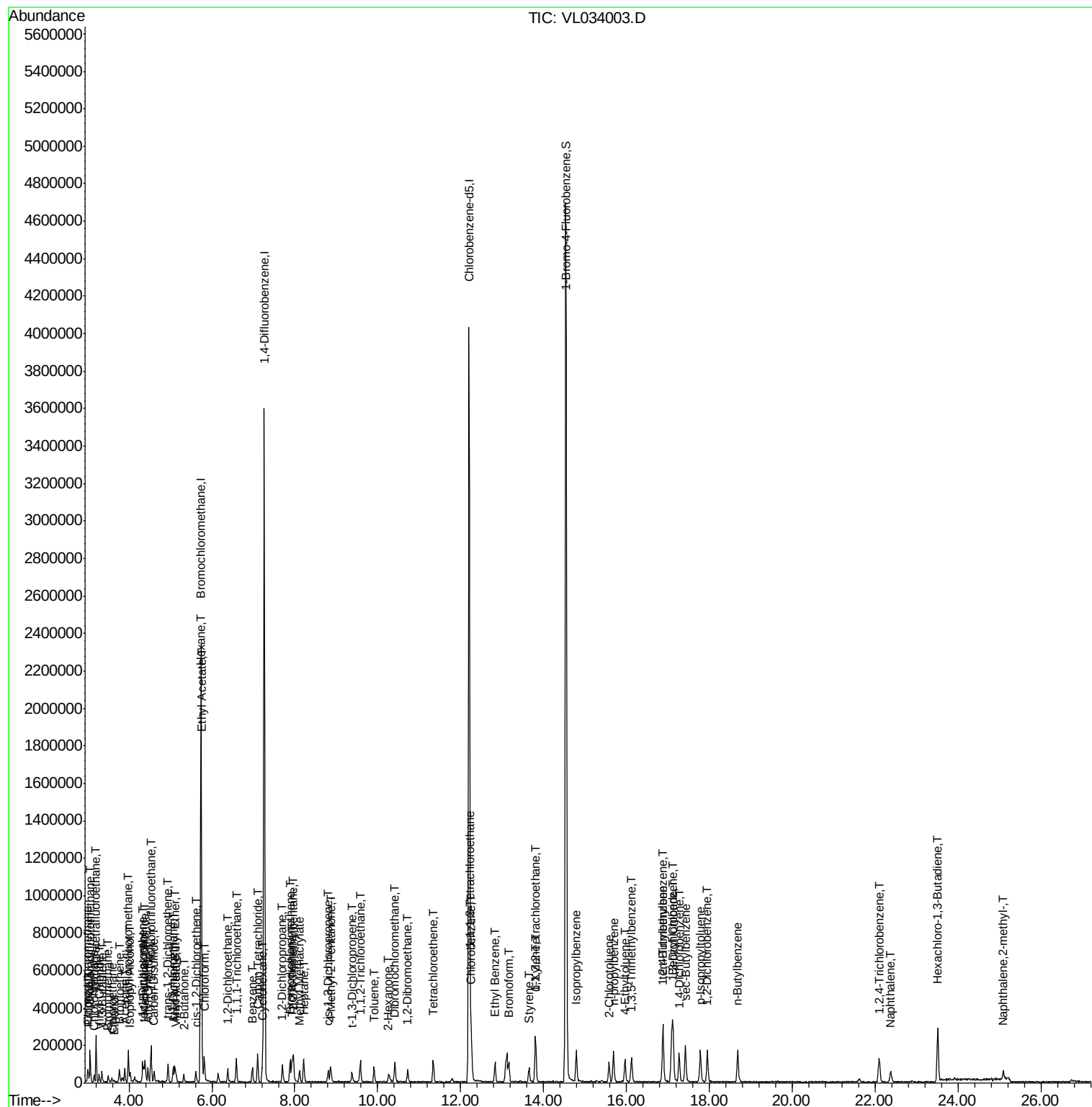
46) cis-1,3-Dichloropropene	8.80	75	26584	0.232	ppbv	92
47) 1,1,2-Trichloroethane	9.59	97	9174	0.099	ppbv	85
48) Dibromochloromethane	10.41	129	33360	0.188	ppbv #	10
49) Bromoform	13.17	173	50141	0.331	ppbv	89
50) 4-Methyl-2-Pentanone	8.87	43	53791	0.269	ppbv	98
51) 2-Hexanone	10.25	43	9064	0.056	ppbv #	27
52) Tetrachloroethene	11.33	164	10733	0.125	ppbv #	79
53) Toluene	9.91	91	31827	0.140	ppbv #	38
54) 1,2-Dibromoethane	10.72	107	46662	0.340	ppbv #	79
56) 1,1,1,2-Tetrachloroethane	12.25	131	22622	0.207	ppbv #	1
57) Chlorobenzene	12.26	112	83939	0.431	ppbv #	81
58) Ethyl Benzene	12.84	91	21405	0.073	ppbv	96
60) o-Xylene	13.81	91	49715	0.187	ppbv #	56
61) Styrene	13.65	104	27077	0.154	ppbv #	56
62) Isopropylbenzene	14.79	105	115141	0.281	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.80	83	78966	0.383	ppbv	96
64) n-propylbenzene	15.69	120	9802	0.092	ppbv #	1
65) tert-Butylbenzene	16.87	119	105065	0.302	ppbv	91
66) Benzyl Chloride	17.12	91	20917	0.117	ppbv #	38
67) sec-Butylbenzene	17.42	105	158958	0.325	ppbv	98
69) p-Isopropyltoluene	17.79	119	111694	0.277	ppbv	97
70) n-Butylbenzene	18.68	91	122763	0.290	ppbv	97
71) 2-Chlorotoluene	15.59	91	69484	0.232	ppbv	94
72) 4-Ethyltoluene	15.97	105	33717	0.099	ppbv #	55
73) 1,3,5-Trimethylbenzene	16.13	105	88964	0.280	ppbv	100
74) 1,2,4-Trimethylbenzene	16.89	105	122816	0.348	ppbv	94
75) 1,3-Dichlorobenzene	17.13	146	38252	0.171	ppbv #	1
76) 1,4-Dichlorobenzene	17.27	146	40490	0.192	ppbv #	27
77) 1,2-Dichlorobenzene	17.94	146	36404	0.176	ppbv #	23
78) Hexachloro-1,3-Butadiene	23.51	225	77068	0.437	ppbv	99
79) Naphthalene	22.36	128	18395	0.062	ppbv #	88
80) Naphthalene,2-methyl-	25.08	142	28980	0.269	ppbv	98
81) 1,2,4-Trichlorobenzene	22.09	180	28067	0.147	ppbv #	3

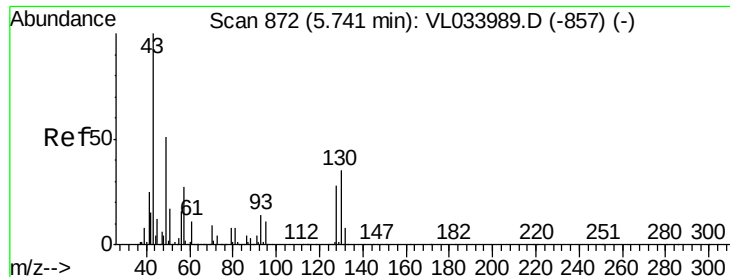
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.73 min Scan# 870

Delta R.T. -0.01 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Instrument :
MSVOA_L
ClientSampleId :

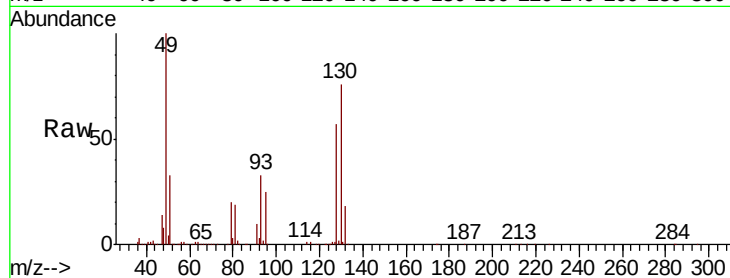
Tot Ion: 49 Resp: 884393

Ion Ratio Lower Upper

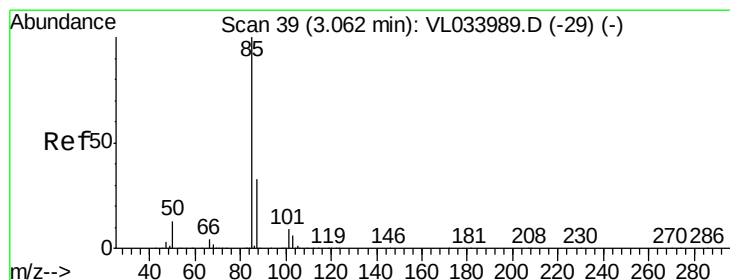
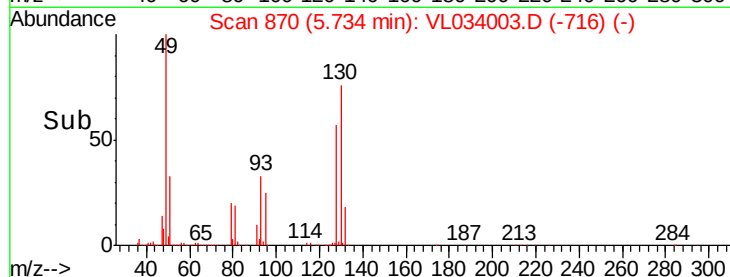
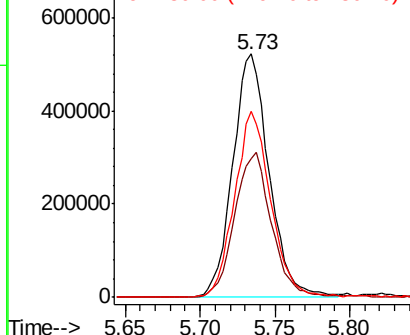
49 100

128 60.9 27.9 83.6

130 76.4 35.8 107.4



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: 0.583 ppbv

RT: 3.06 min Scan# 39

Delta R.T. 0.00 min

Lab File: VL034003.D

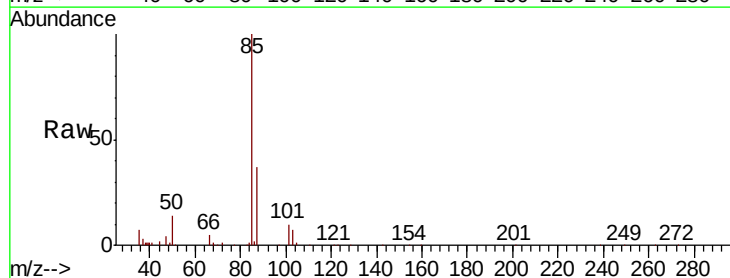
Acq: 3 Jul 2019 3:10

Tgt Ion: 85 Resp: 106320

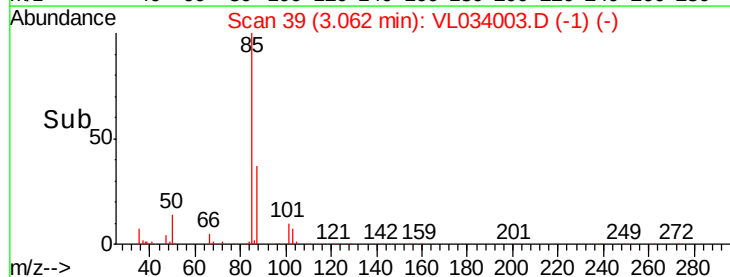
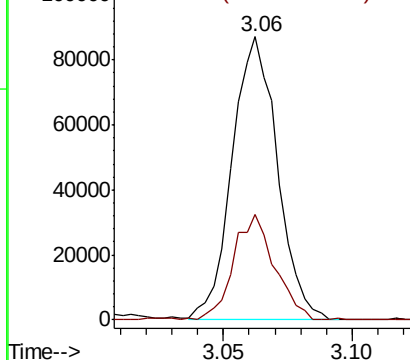
Ion Ratio Lower Upper

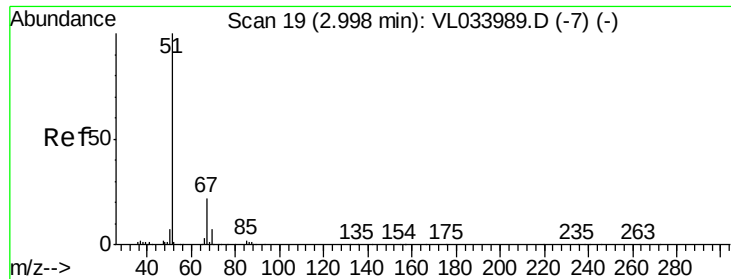
85 100

87 36.9 26.0 39.0



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

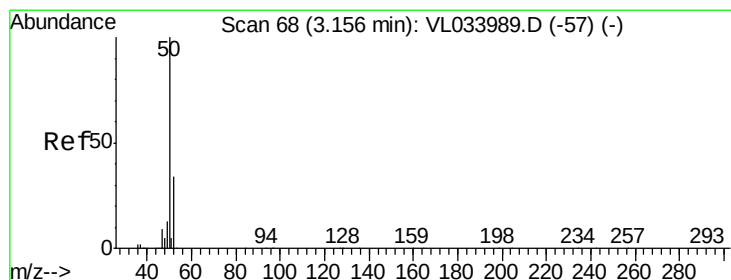
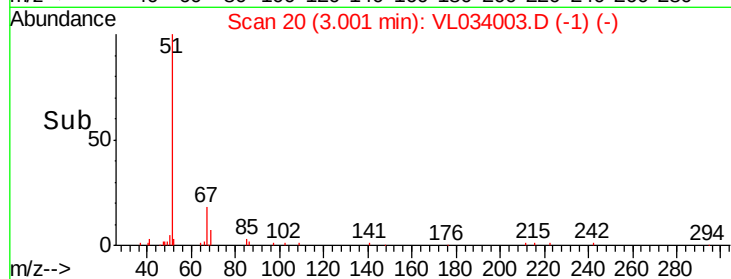
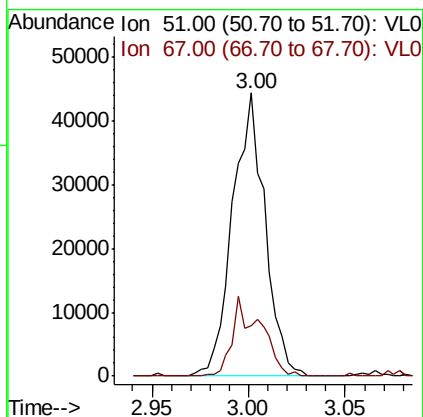
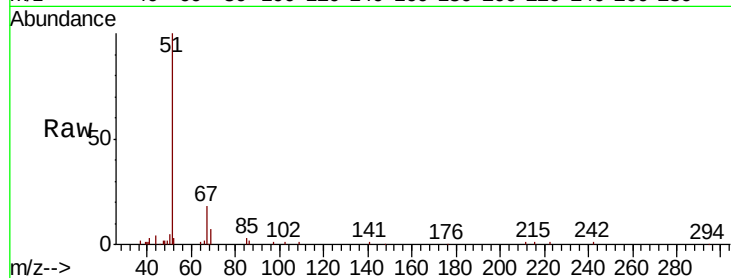




#3
Chlorodifluoromethane
Concen: 0.472 ppbv
RT: 3.00 min Scan# 20
Delta R.T. 0.00 min
Lab File: VL034003.D
Acq: 3 Jul 2019 3:10

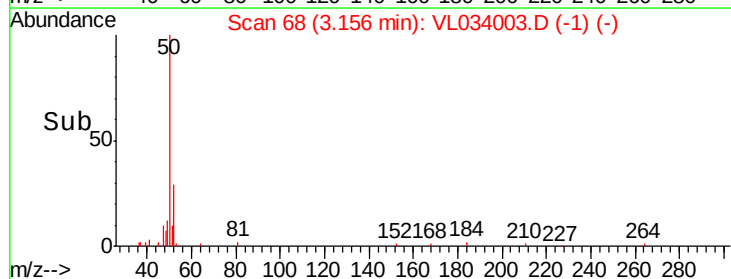
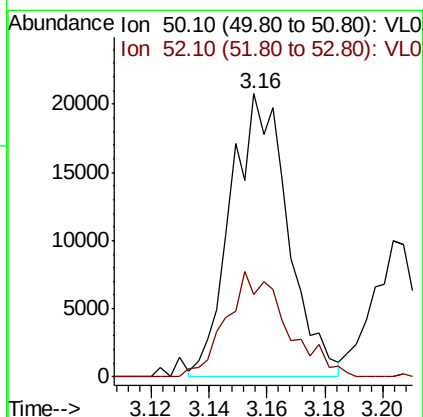
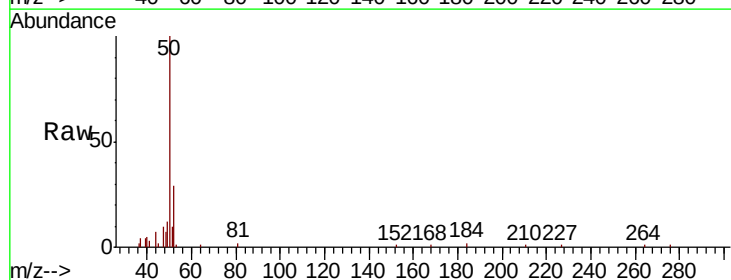
Instrument :
MSVOA_L
ClientSampleId :

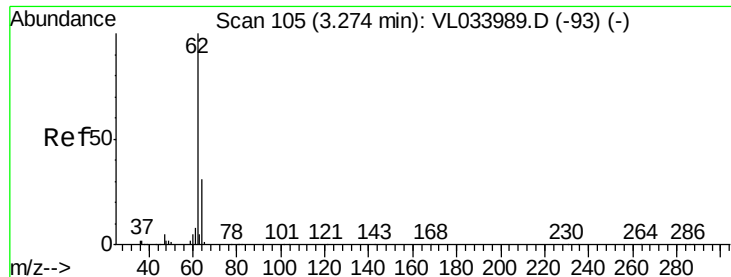
Tot Ion: 51 Resp: 51492
Ion Ratio Lower Upper
51 100
67 24.6 17.3 25.9



#4
Chloromethane
Concen: 0.452 ppbv
RT: 3.16 min Scan# 68
Delta R.T. 0.00 min
Lab File: VL034003.D
Acq: 3 Jul 2019 3:10

Tgt Ion: 50 Resp: 28388
Ion Ratio Lower Upper
50 100
52 26.7 27.4 41.0#





#5

Vinyl Chloride

Concen: 0.423 ppbv

RT: 3.27 min Scan# 105

Delta R.T. 0.00 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Instrument :

MSVOA_L

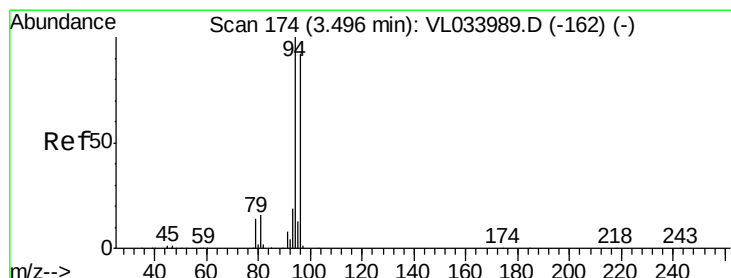
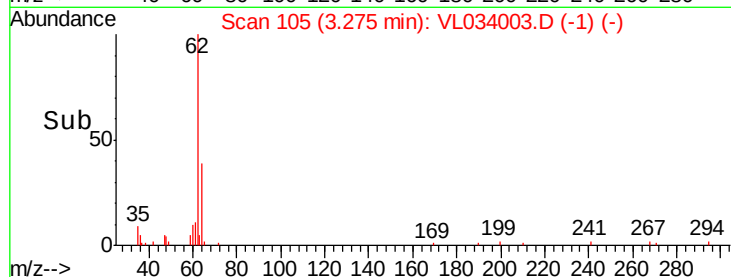
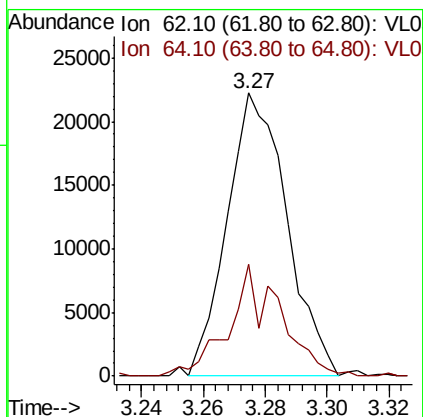
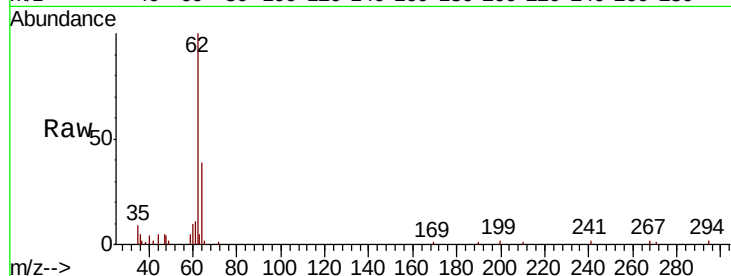
ClientSampleId :

Tot Ion: 62 Resp: 29847

Ion Ratio Lower Upper

62 100

64 38.2 24.4 36.6#



#6

Bromomethane

Concen: 0.239 ppbv

RT: 3.49 min Scan# 173

Delta R.T. -0.00 min

Lab File: VL034003.D

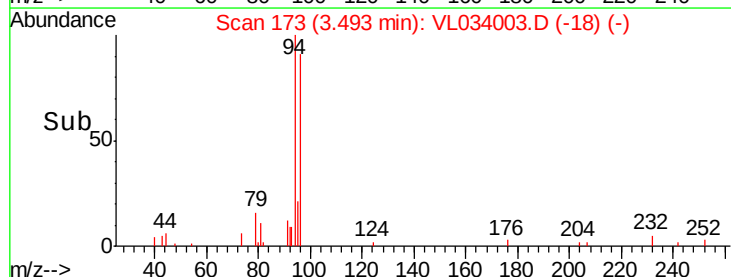
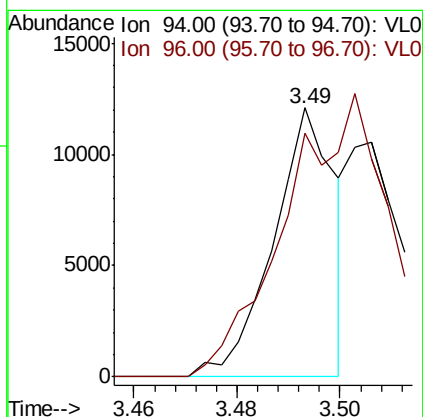
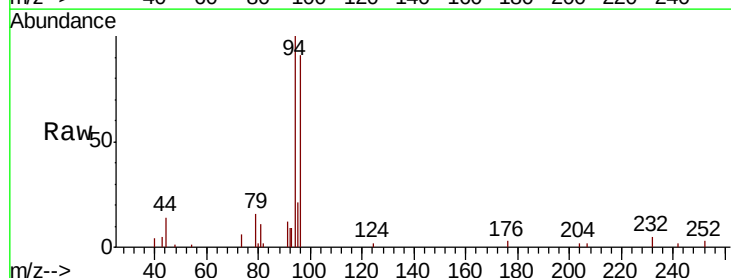
Acq: 3 Jul 2019 3:10

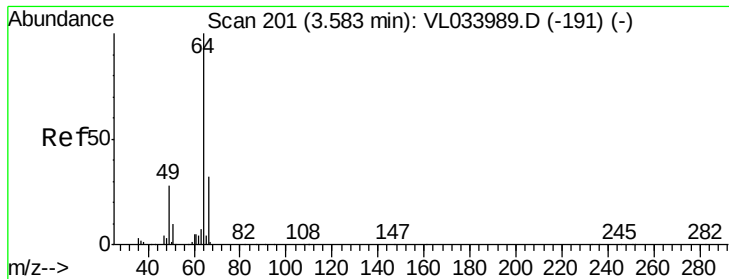
Tgt Ion: 94 Resp: 9972

Ion Ratio Lower Upper

94 100

96 90.7 73.8 110.8





#7

Chloroethane

Concen: 0.471 ppbv

RT: 3.59 min Scan# 202

Delta R.T. 0.00 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Instrument :

MSVOA_L

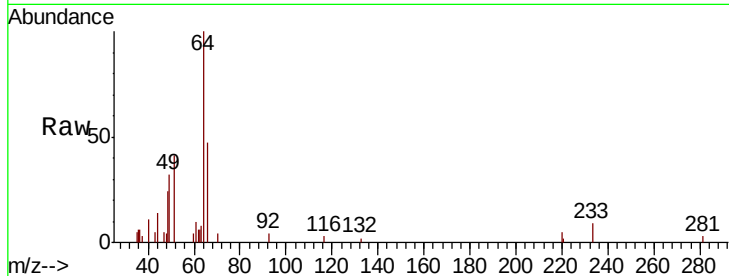
ClientSampleId :

Tot Ion: 64 Resp: 11883

Ion Ratio Lower Upper

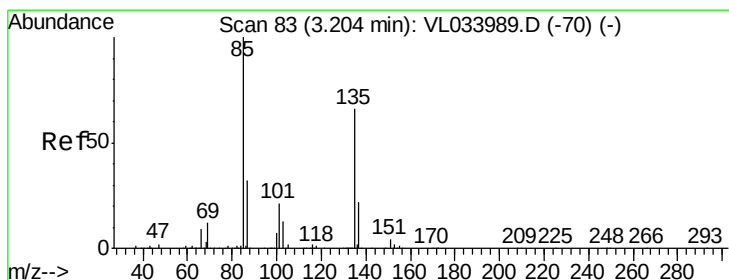
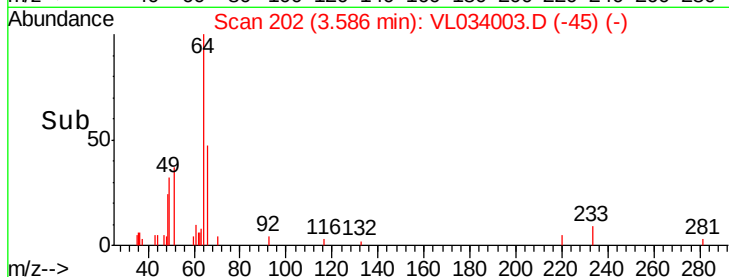
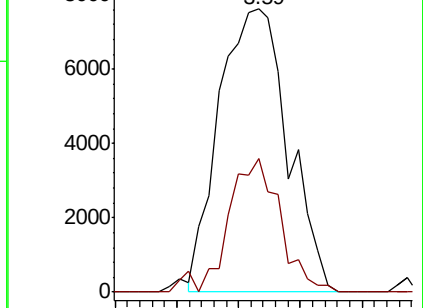
64 100

66 47.1 25.3 37.9#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.518 ppbv

RT: 3.21 min Scan# 84

Delta R.T. 0.00 min

Lab File: VL034003.D

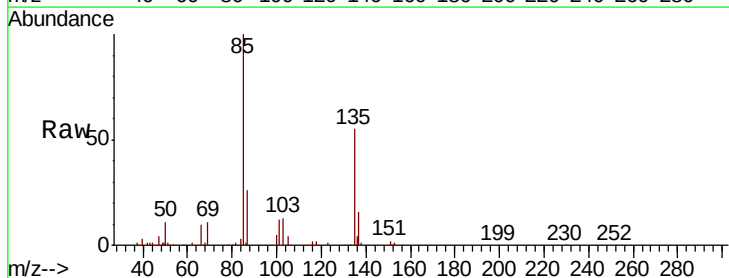
Acq: 3 Jul 2019 3:10

Tgt Ion: 85 Resp: 92106

Ion Ratio Lower Upper

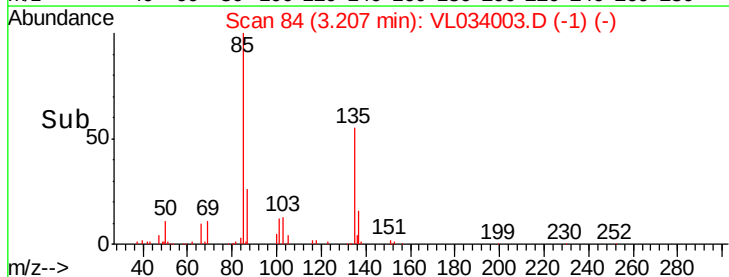
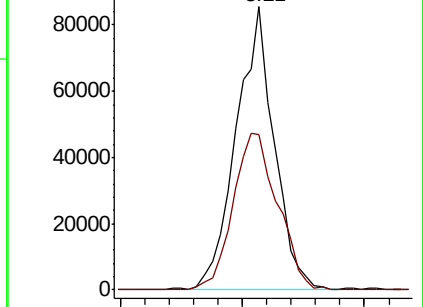
85 100

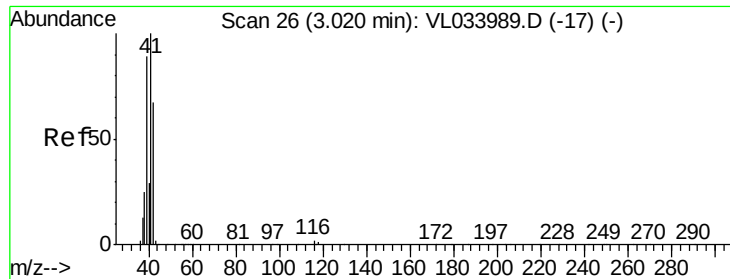
135 65.0 55.0 82.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.341 ppbv

RT: 3.02 min Scan# 27

Delta R.T. 0.00 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Instrument :

MSVOA_L

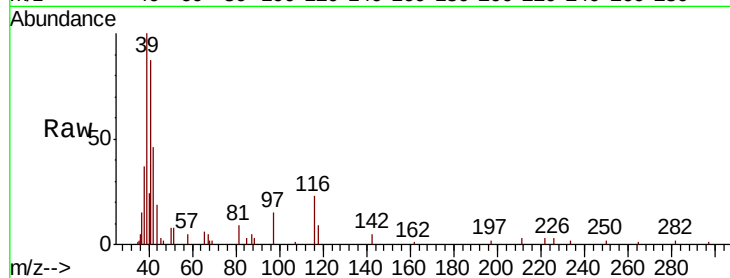
ClientSampleId :

Tot Ion: 41 Resp: 13698

Ion Ratio Lower Upper

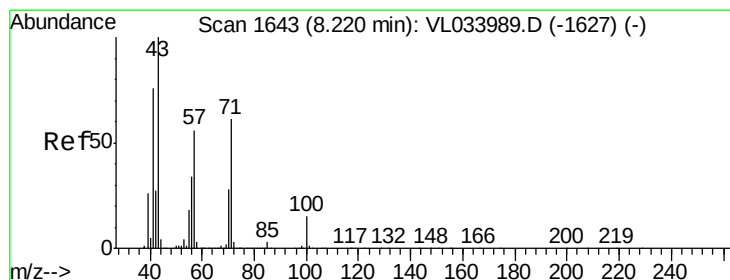
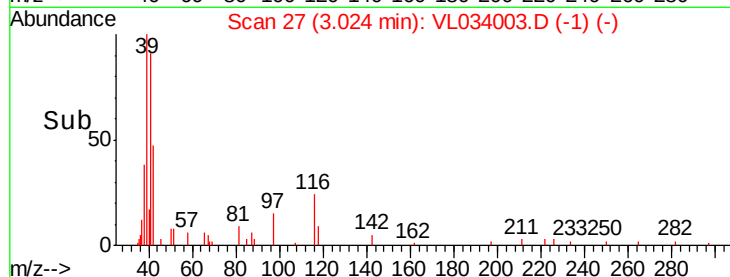
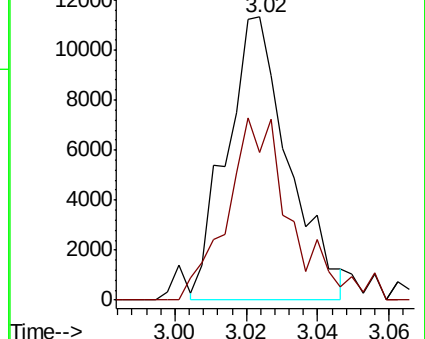
41 100

42 66.6 57.1 85.7



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 0.167 ppbv

RT: 8.21 min Scan# 1640

Delta R.T. -0.01 min

Lab File: VL034003.D

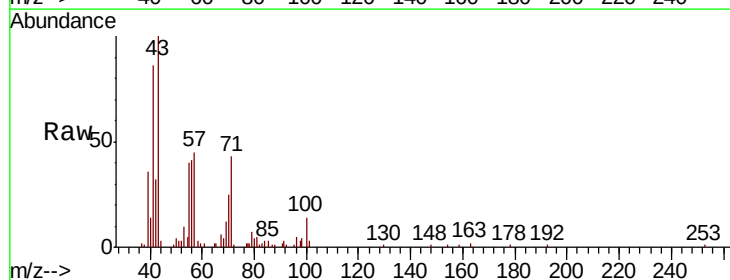
Acq: 3 Jul 2019 3:10

Tgt Ion: 43 Resp: 16788

Ion Ratio Lower Upper

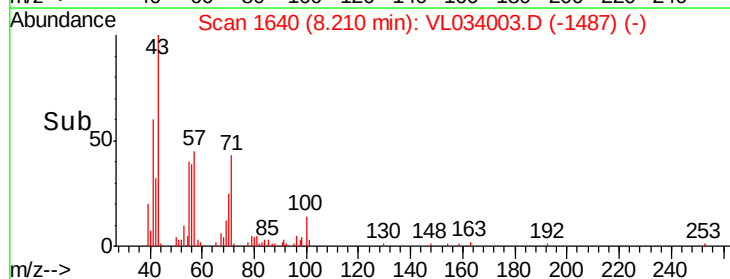
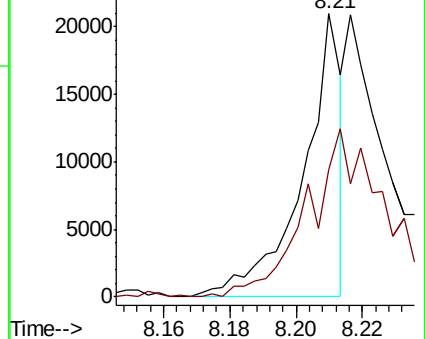
43 100

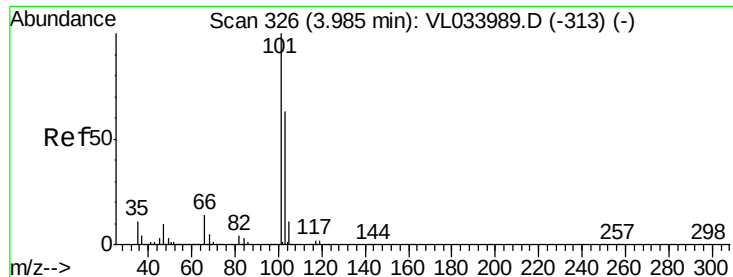
57 0.0 44.6 66.8#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

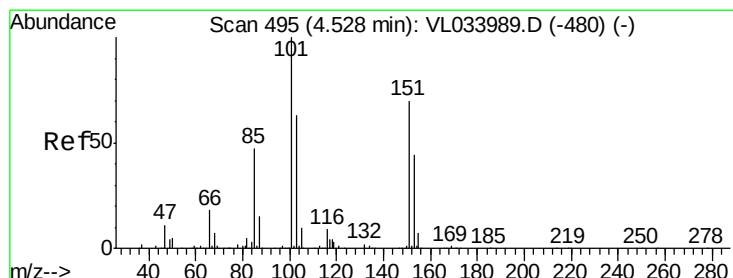
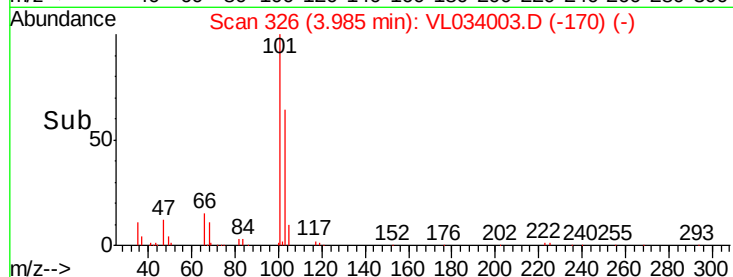
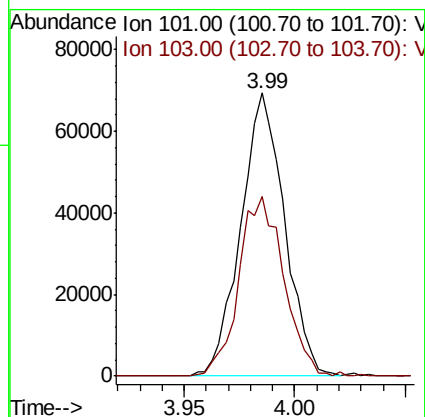
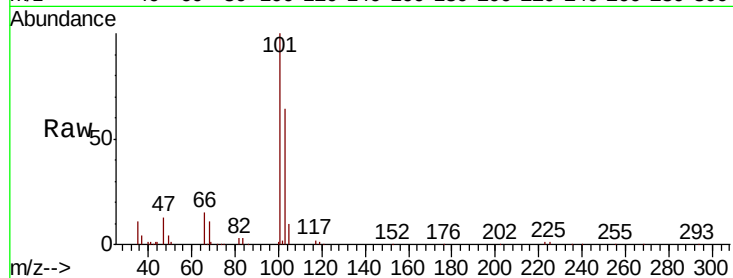




#11
 Trichlorofluoromethane
 Concen: 0.466 ppbv
 RT: 3.99 min Scan# 326
 Delta R.T. 0.00 min
 Lab File: VL034003.D
 Acq: 3 Jul 2019 3:10

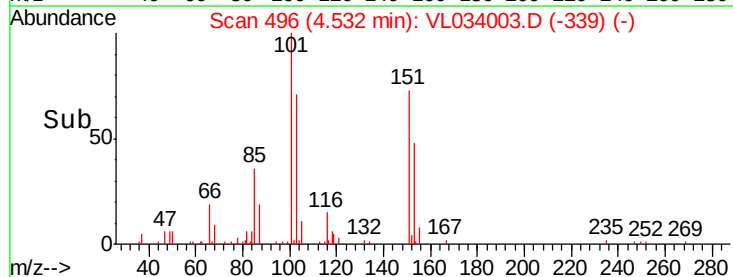
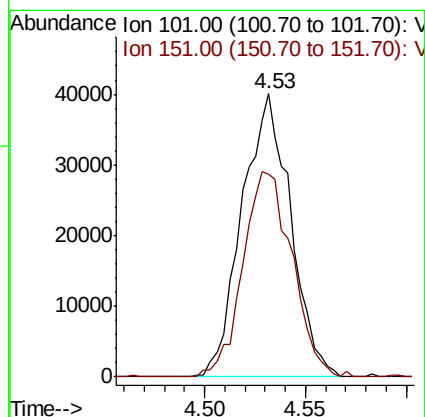
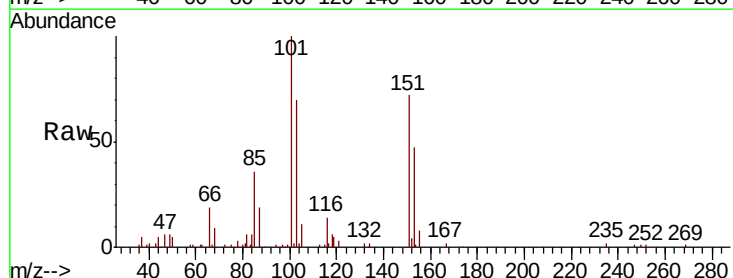
Instrument :
 MSVOA_L
 ClientSampleId :

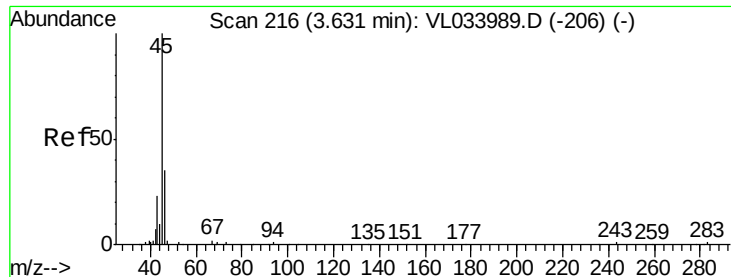
Tot Ion:101 Resp: 95590
 Ion Ratio Lower Upper
 101 100
 103 63.3 50.8 76.2



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.464 ppbv
 RT: 4.53 min Scan# 496
 Delta R.T. 0.00 min
 Lab File: VL034003.D
 Acq: 3 Jul 2019 3:10

Tgt Ion:101 Resp: 67452
 Ion Ratio Lower Upper
 101 100
 151 73.6 59.0 88.4

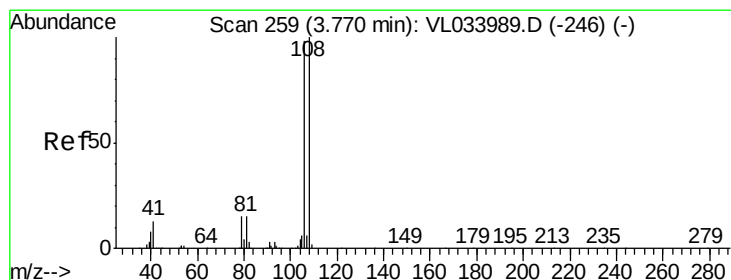
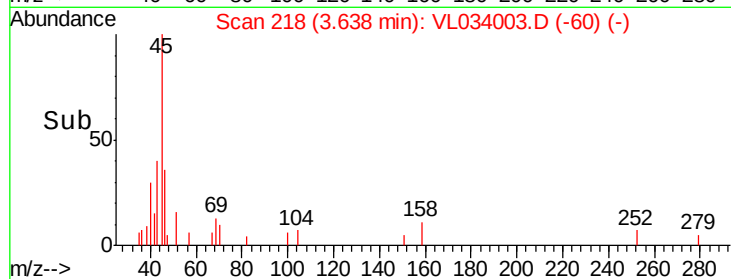
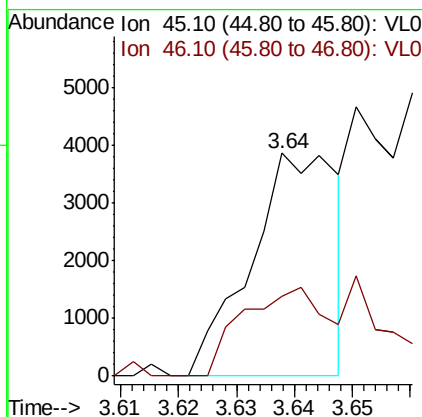
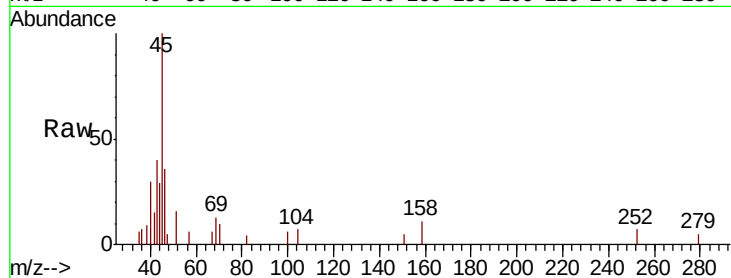




#13
Ethanol
Concen: 0.323 ppbv
RT: 3.64 min Scan# 218
Delta R.T. 0.01 min
Lab File: VL034003.D
Acq: 3 Jul 2019 3:10

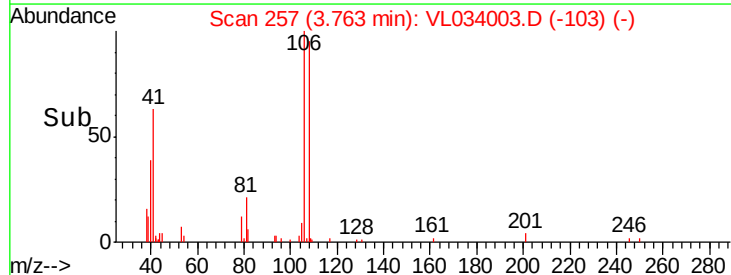
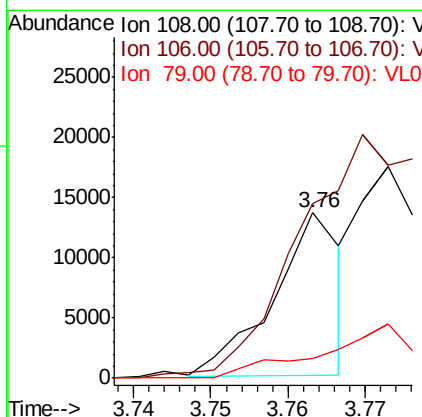
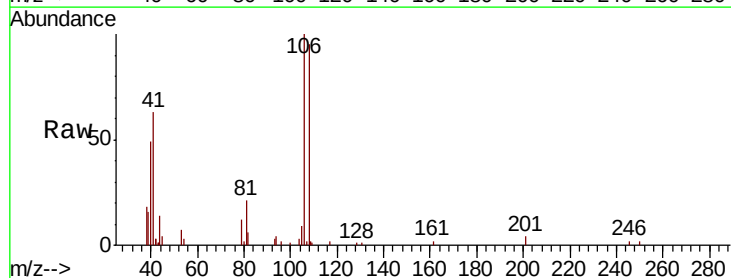
Instrument :
MSVOA_L
ClientSampled :

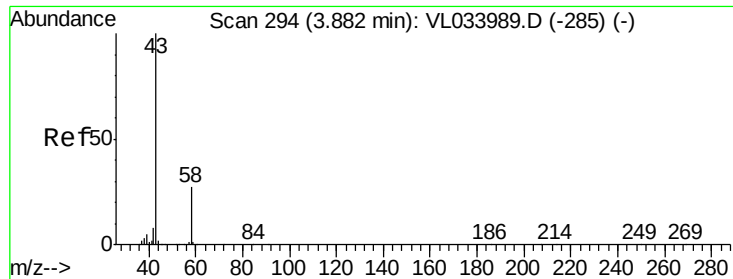
Tot Ion: 45 Resp: 4031
Ion Ratio Lower Upper
45 100
46 0.0 16.2 64.6#



#14
Bromoethene
Concen: 0.152 ppbv
RT: 3.76 min Scan# 257
Delta R.T. -0.01 min
Lab File: VL034003.D
Acq: 3 Jul 2019 3:10

Tgt Ion: 108 Resp: 8264
Ion Ratio Lower Upper
108 100
106 0.0 85.6 128.4#
79 0.0 14.0 21.0#

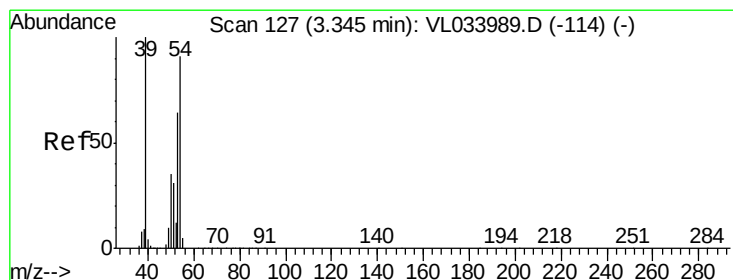
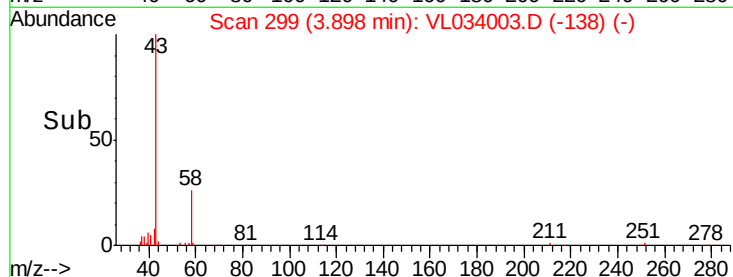
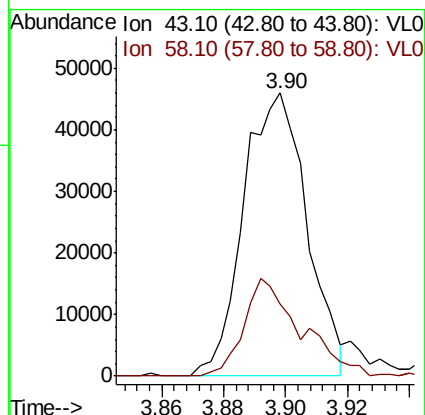
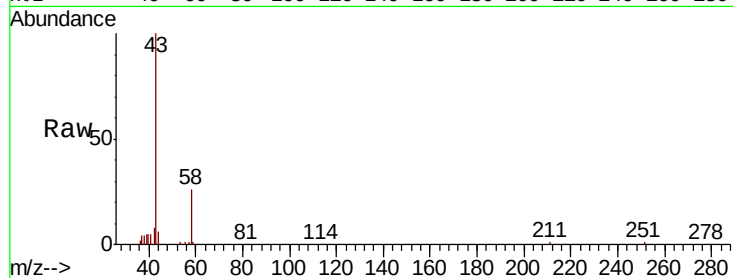




#15
Acetone
Concen: 0.439 ppbv
RT: 3.90 min Scan# 299
Delta R.T. 0.02 min
Lab File: VL034003.D
Acq: 3 Jul 2019 3:10

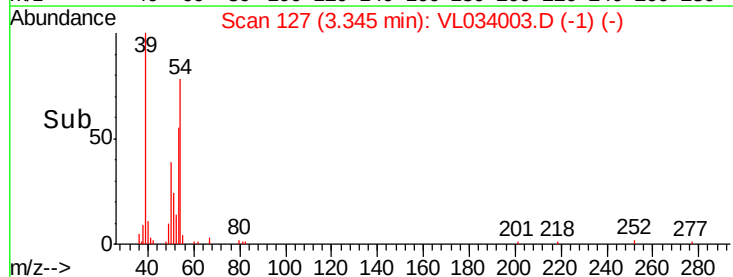
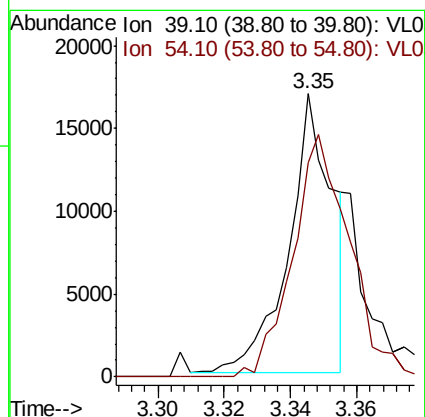
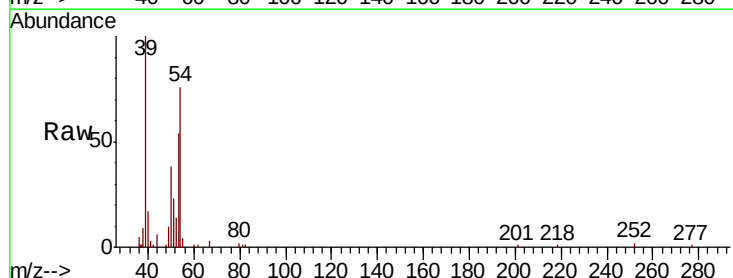
Instrument :
MSVOA_L
ClientSampleId :

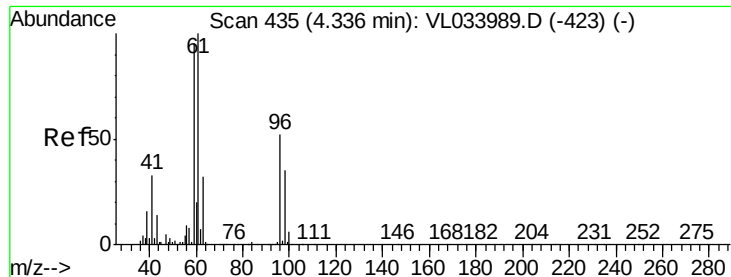
Tot Ion: 43 Resp: 65327
Ion Ratio Lower Upper
43 100
58 31.2 21.4 32.0



#16
1,3-Butadiene
Concen: 0.293 ppbv
RT: 3.35 min Scan# 127
Delta R.T. 0.00 min
Lab File: VL034003.D
Acq: 3 Jul 2019 3:10

Tgt Ion: 39 Resp: 15367
Ion Ratio Lower Upper
39 100
54 114.4 71.4 107.2#





#17

tert-Butyl alcohol

Concen: 0.450 ppbv

RT: 4.36 min Scan# 442

Delta R.T. 0.02 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Instrument :

MSVOA_L

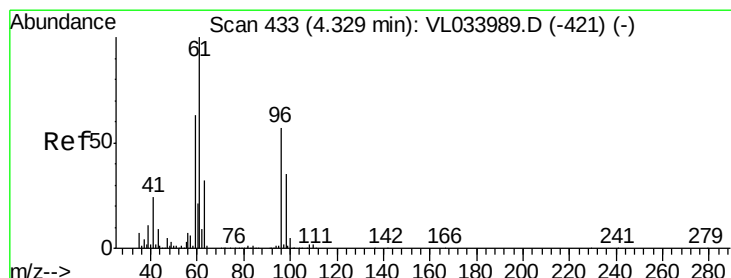
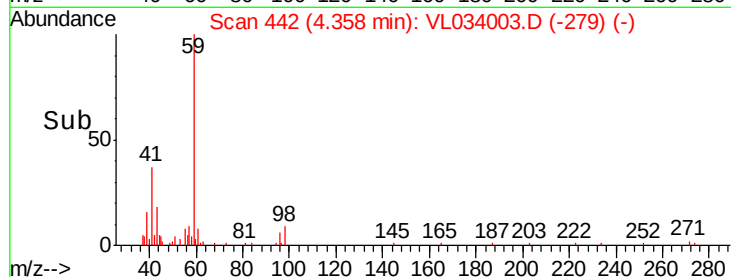
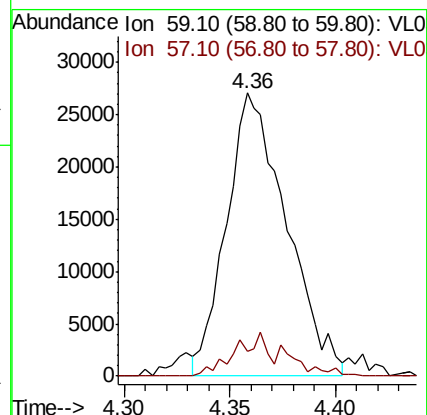
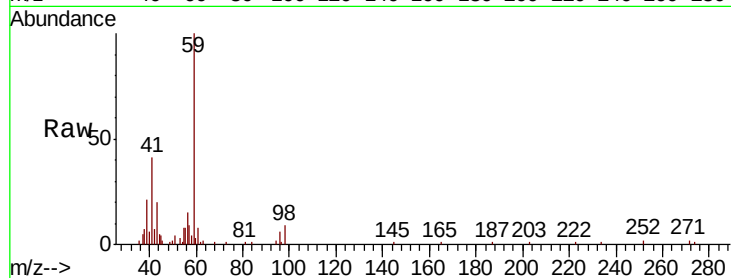
ClientSampleId :

Tot Ion: 59 Resp: 53348

Ion Ratio Lower Upper

59 100

57 12.4 8.2 12.2#



#18

1,1-Dichloroethene

Concen: 0.415 ppbv

RT: 4.33 min Scan# 433

Delta R.T. 0.00 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

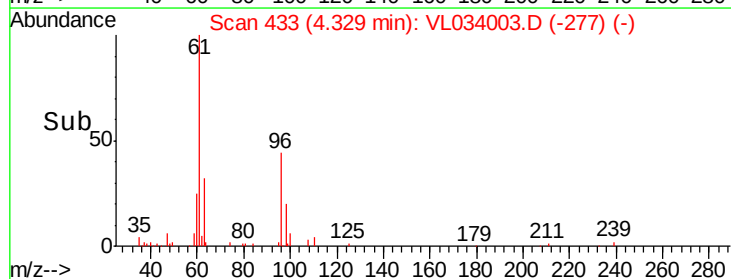
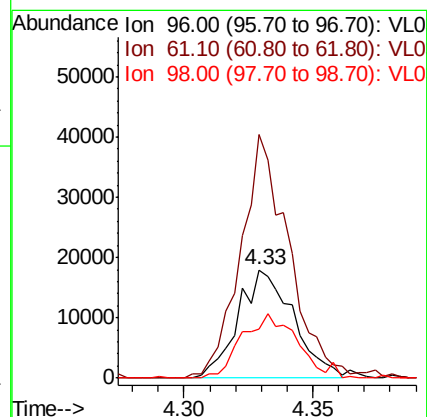
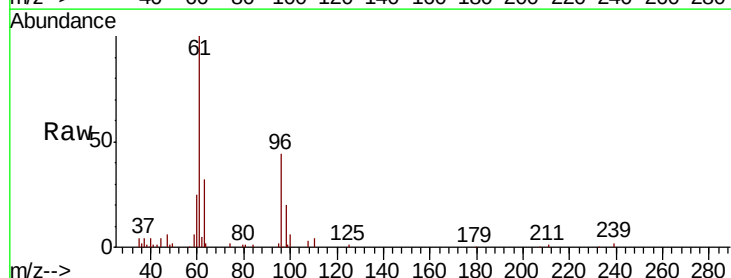
Tgt Ion: 96 Resp: 26832

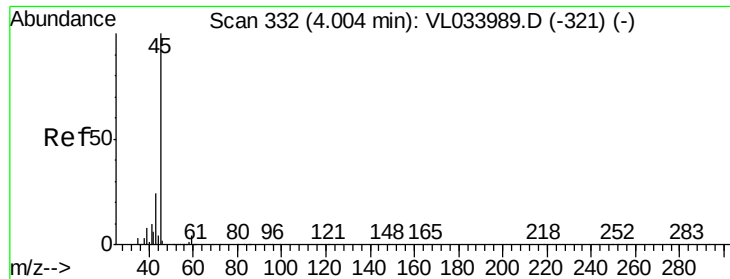
Ion Ratio Lower Upper

96 100

61 220.5 139.4 209.0#

98 45.2 49.4 74.0#





#19

Isopropyl Alcohol

Concen: 0.249 ppbv

RT: 4.02 min Scan# 338

Delta R.T. 0.02 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Instrument :

MSVOA_L

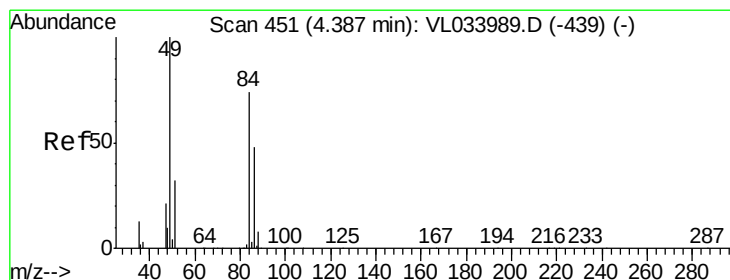
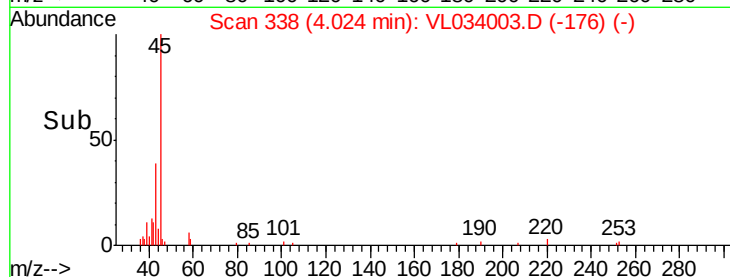
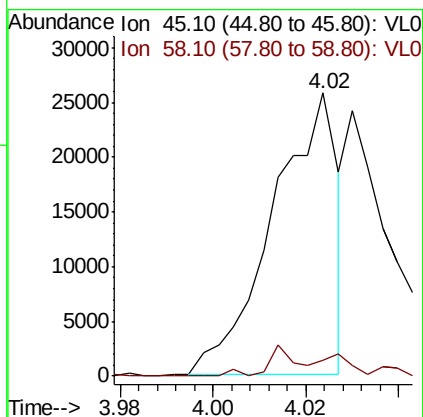
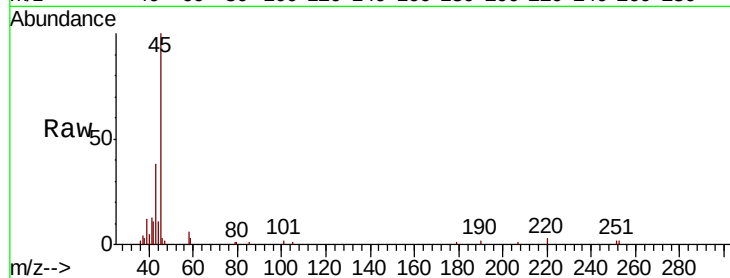
ClientSampleId :

Tot Ion: 45 Resp: 24846

Ion Ratio Lower Upper

45 100

58 10.9 1.7 2.5#



#20

Methylene Chloride

Concen: 0.293 ppbv

RT: 4.38 min Scan# 450

Delta R.T. -0.00 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Tgt Ion: 84 Resp: 18975

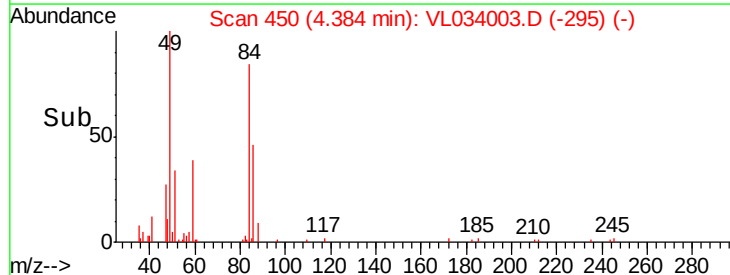
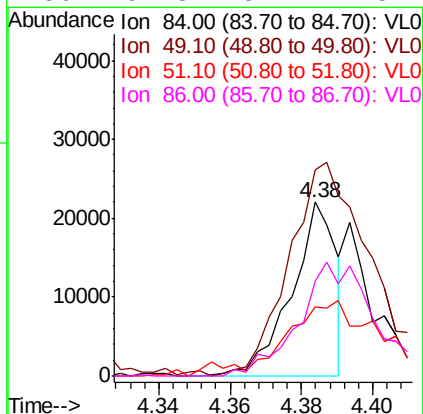
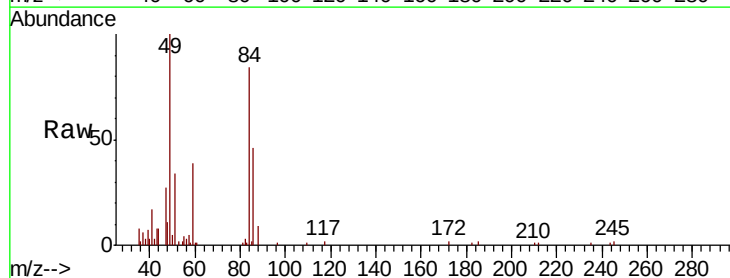
Ion Ratio Lower Upper

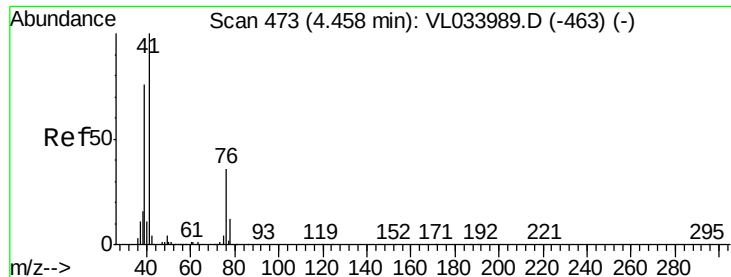
84 100

49 116.1 107.6 161.4

51 40.0 35.0 52.6

86 54.3 52.1 78.1

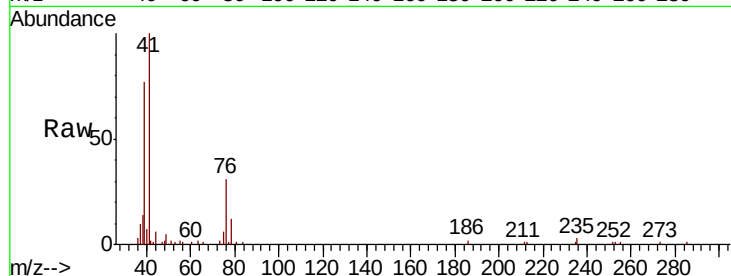




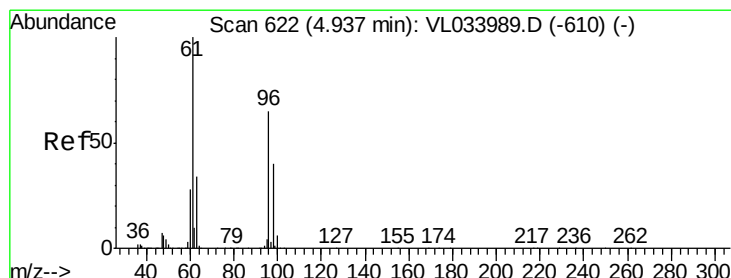
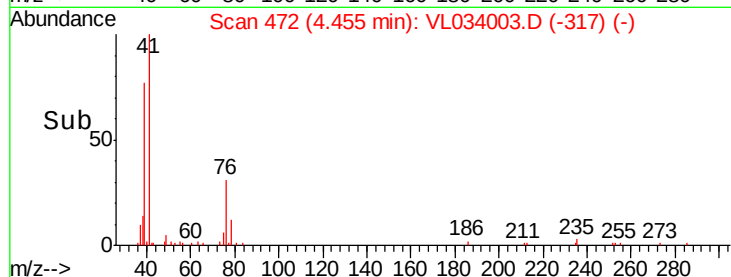
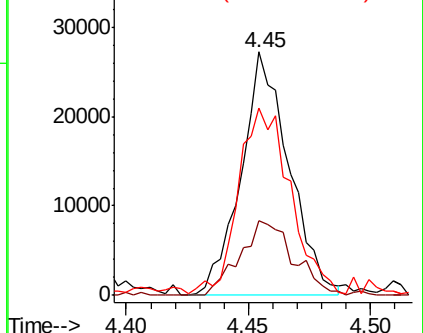
#21
 Allvl Chloride
 Concen: 0.400 ppbv
 RT: 4.45 min Scan# 472
 Delta R.T. -0.00 min
 Lab File: VL034003.D
 Acq: 3 Jul 2019 3:10

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
41	100		
76	35.4	26.8	40.2
39	86.9	63.1	94.7

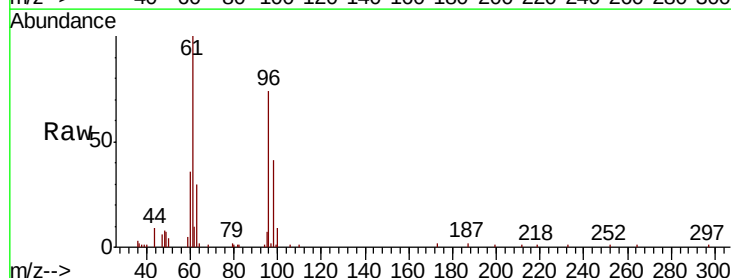


Abundance Ion 41.10 (40.80 to 41.80): VL0
 Ion 76.10 (75.80 to 76.80): VL0
 Ion 39.10 (38.80 to 39.80): VL0

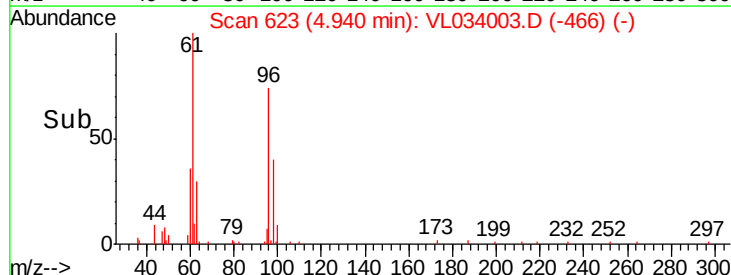
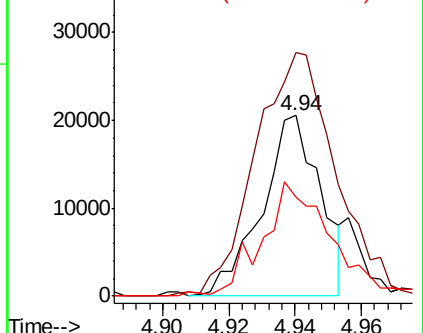


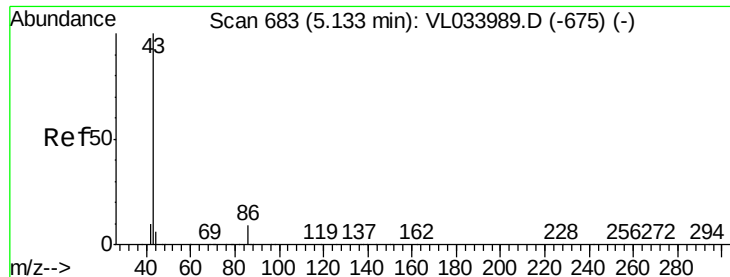
#22
 trans-1,2-Dichloroethene
 Concen: 0.411 ppbv
 RT: 4.94 min Scan# 623
 Delta R.T. 0.00 min
 Lab File: VL034003.D
 Acq: 3 Jul 2019 3:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	127.9	122.9	184.3
98	50.8	49.6	74.4



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





#23

Vinyl Acetate

Concen: 0.340 ppbv

RT: 5.14 min Scan# 684

Delta R.T. 0.00 min

Lab File: VL034003.D

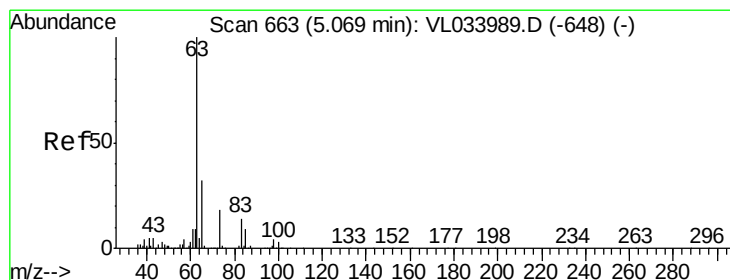
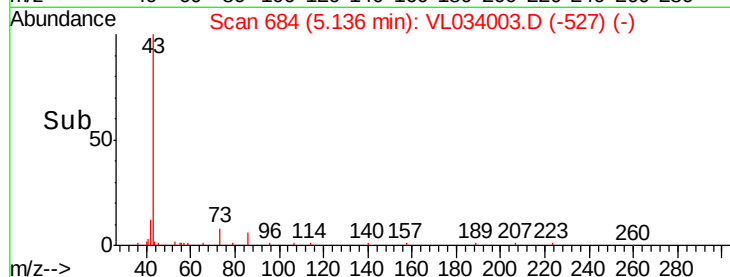
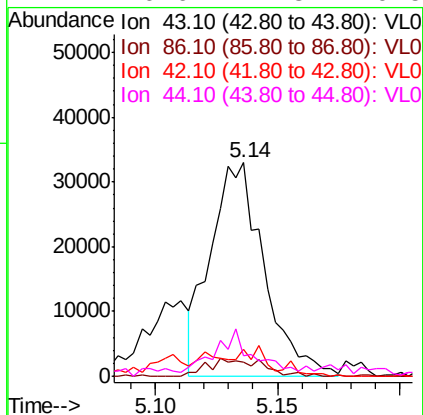
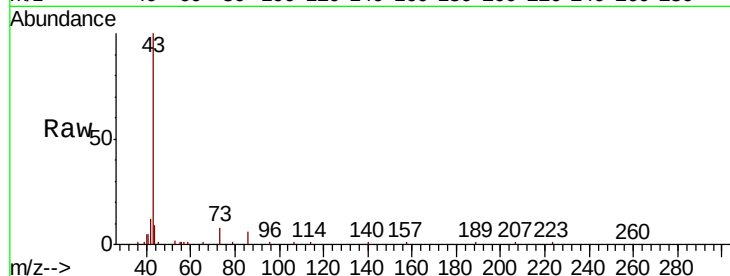
Acq: 3 Jul 2019 3:10

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	43	Resp:	50503
Ion	Ratio	Lower	Upper
43	100		
86	5.9	6.6	9.8#
42	11.8	8.3	12.5
44	6.6	4.3	6.5#



#24

1,1-Dichloroethane

Concen: 0.428 ppbv

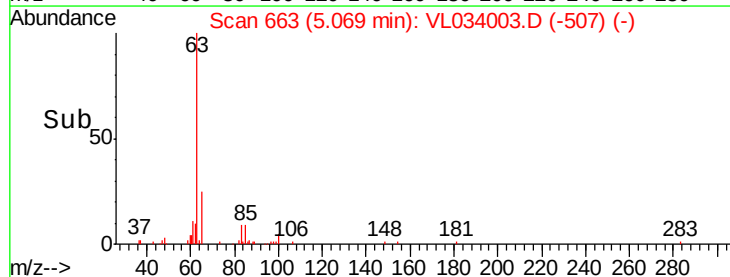
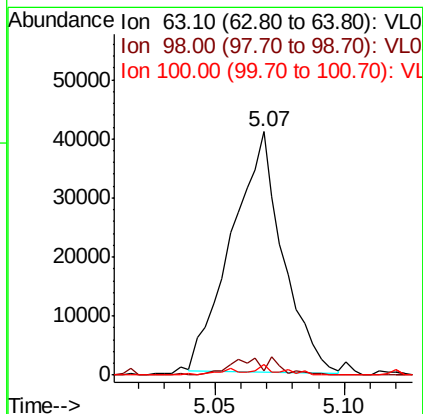
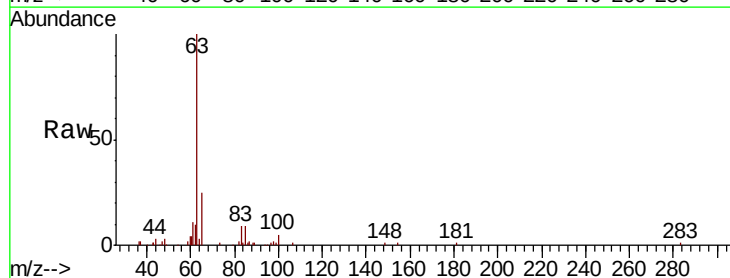
RT: 5.07 min Scan# 663

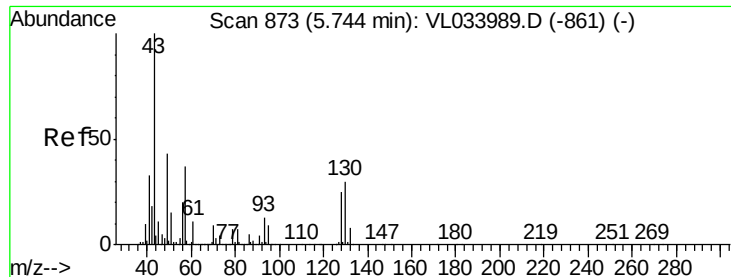
Delta R.T. 0.00 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Tgt Ion:	63	Resp:	56351
Ion	Ratio	Lower	Upper
63	100		
98	1.9	2.2	6.6#
100	4.6	1.4	4.2#





#25

Ethyl Acetate

Concen: 0.387 ppbv

RT: 5.75 min Scan# 876

Delta R.T. 0.01 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 78676

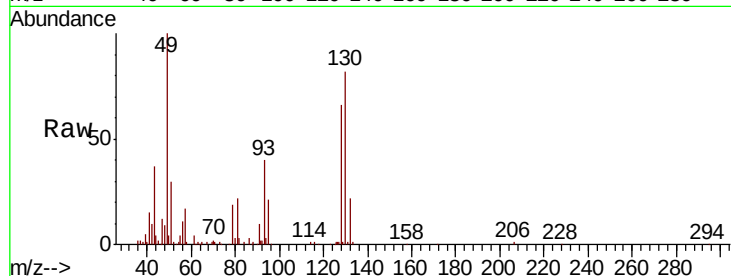
Ion Ratio Lower Upper

43 100

45 10.6 8.1 12.1

61 11.3 8.1 12.1

70 9.1 6.3 9.5

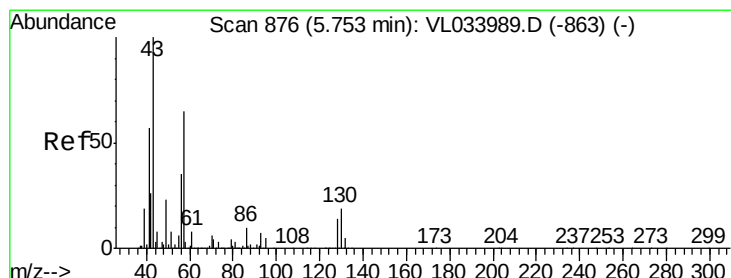
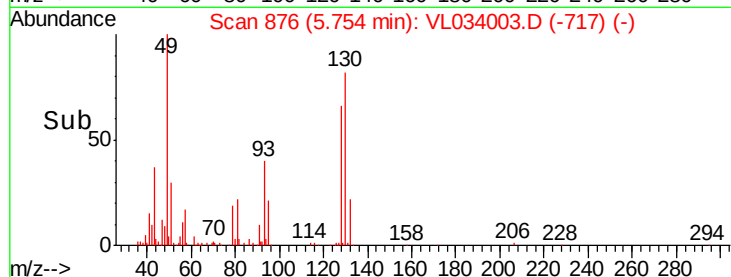
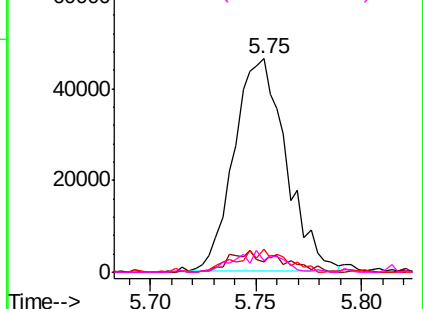


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 0.387 ppbv

RT: 5.75 min Scan# 875

Delta R.T. -0.00 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Tgt Ion: 57 Resp: 36009

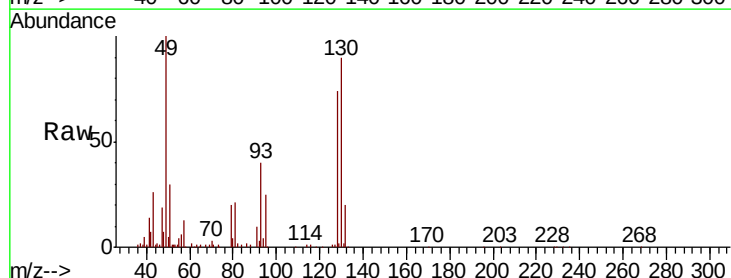
Ion Ratio Lower Upper

57 100

41 102.8 70.6 105.8

43 228.5 177.6 266.4

56 61.0 42.6 64.0

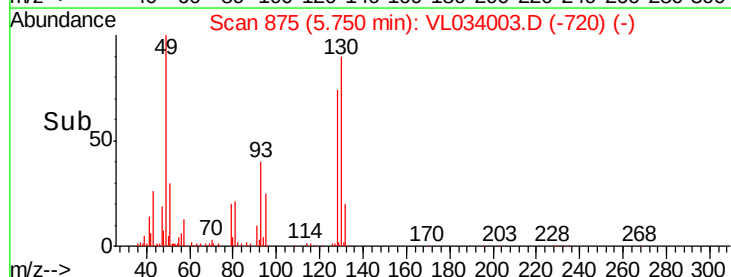
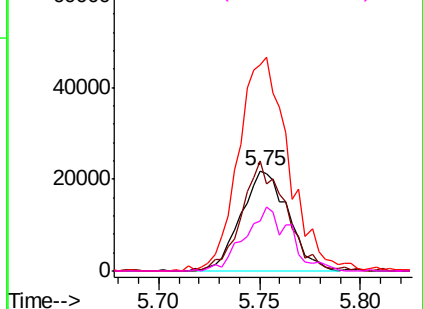


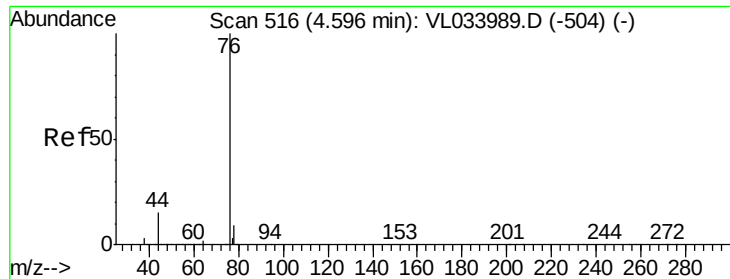
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 0.388 ppbv

RT: 4.61 min Scan# 519

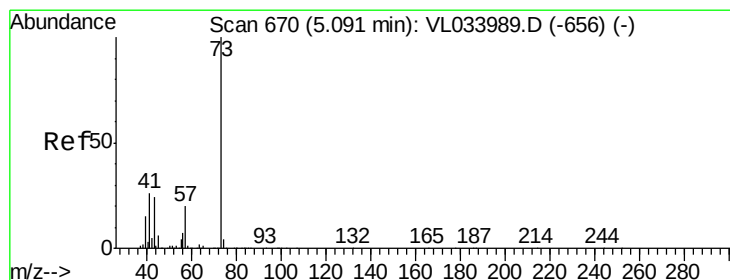
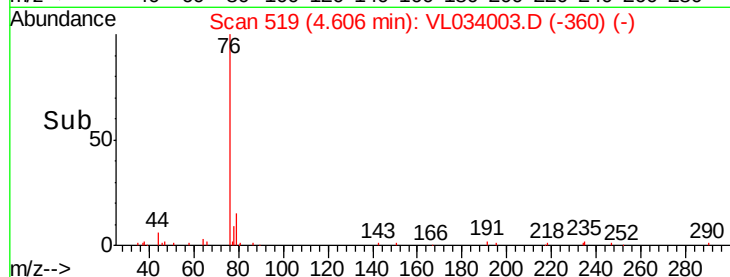
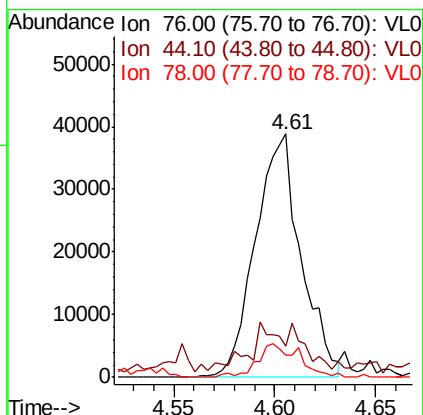
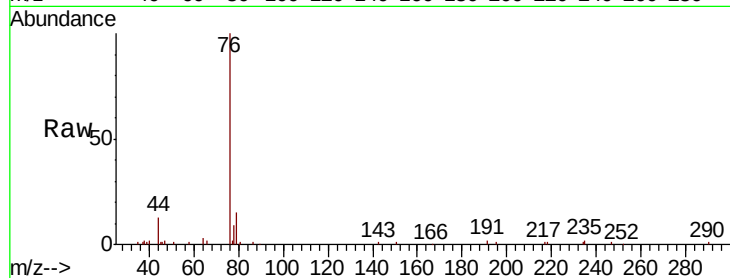
Delta R.T. 0.01 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	76	Resp:	61377
Ion	Ratio	Lower	Upper
76	100		
44	24.0	12.6	18.8#
78	12.7	7.2	10.8#



#28

Methyl tert-Butyl Ether

Concen: 0.216 ppbv

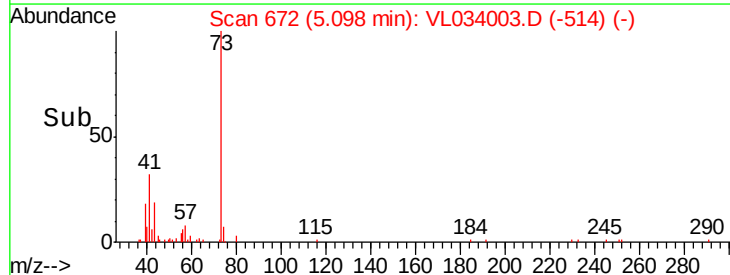
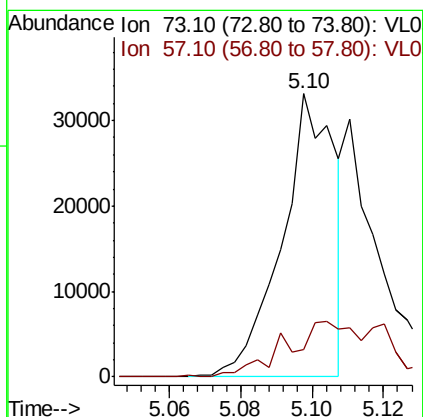
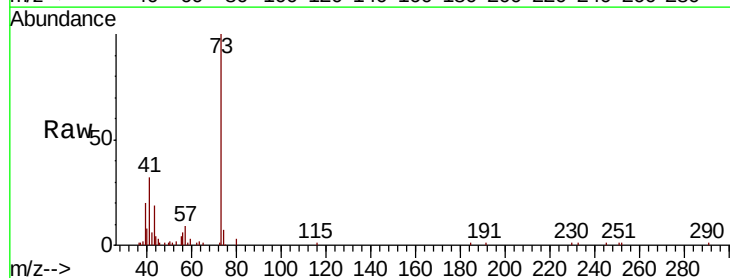
RT: 5.10 min Scan# 672

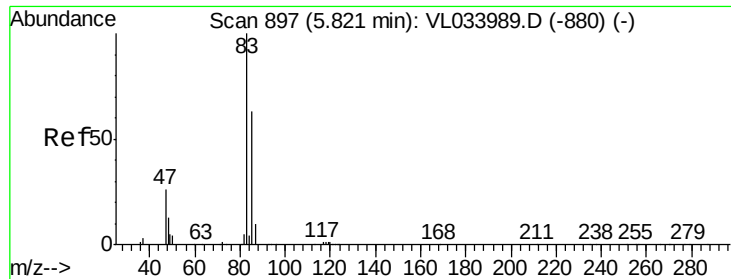
Delta R.T. 0.01 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Tgt Ion:	73	Resp:	33982
Ion	Ratio	Lower	Upper
73	100		
57	0.0	16.9	25.3#

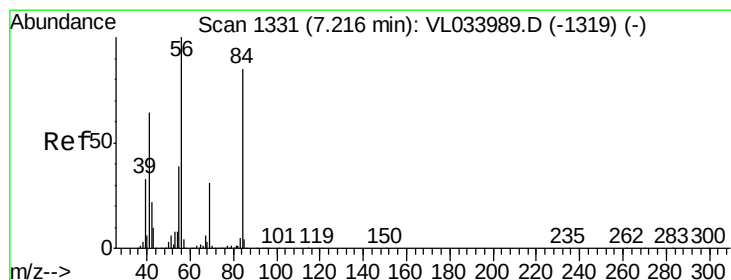
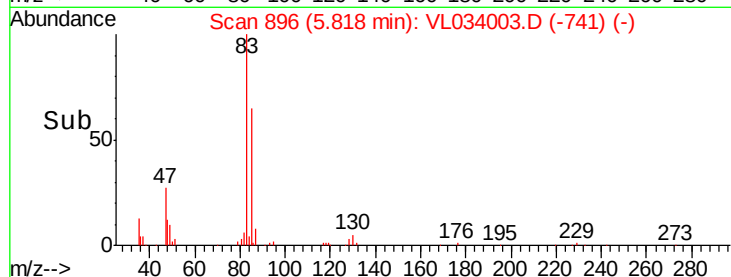
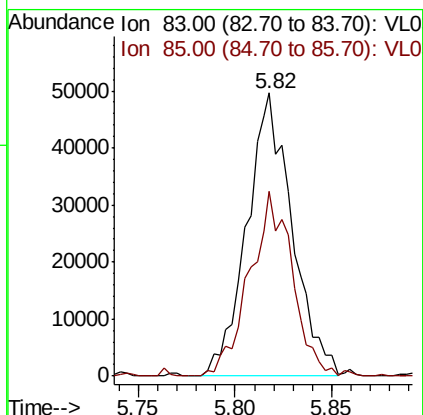
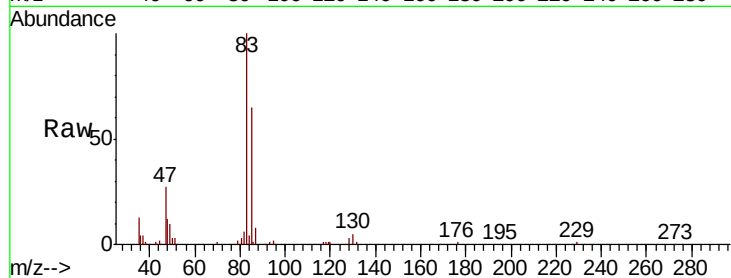




#29
Chloroform
Concen: 0.463 ppbv
RT: 5.82 min Scan# 896
Delta R.T. -0.00 min
Lab File: VL034003.D
Acq: 3 Jul 2019 3:10

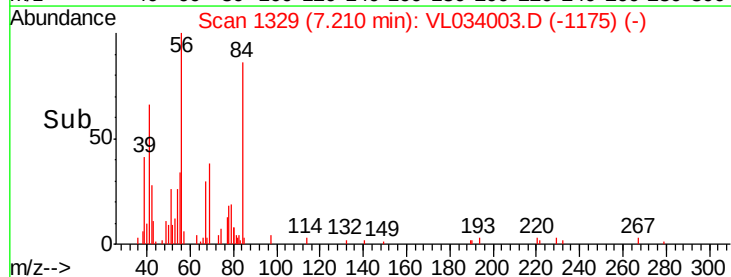
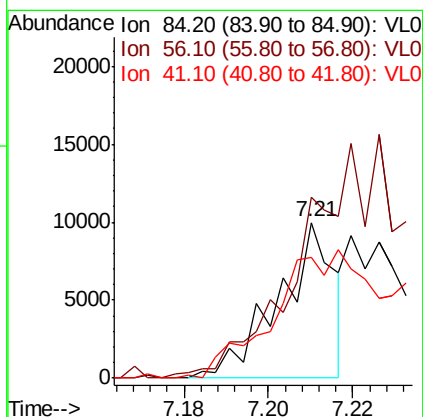
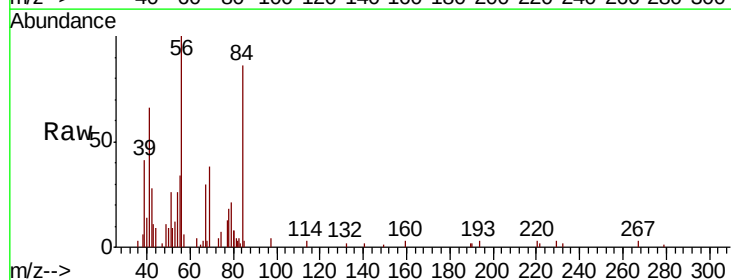
Instrument :
MSVOA_L
ClientSampleId :

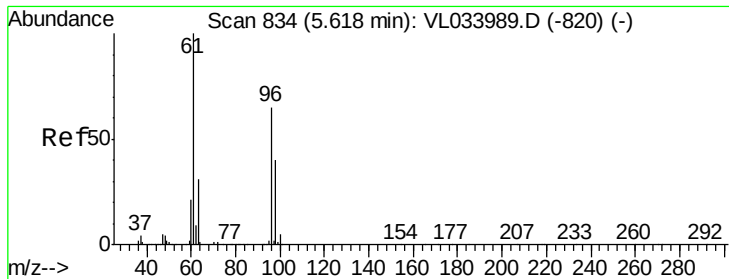
Tot Ion: 83 Resp: 80974
Ion Ratio Lower Upper
83 100
85 65.4 50.6 75.8



#30
Cyclohexane
Concen: 0.127 ppbv
RT: 7.21 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VL034003.D
Acq: 3 Jul 2019 3:10

Tgt Ion: 84 Resp: 9122
Ion Ratio Lower Upper
84 100
56 0.0 103.7 155.5#
41 0.0 62.6 94.0#



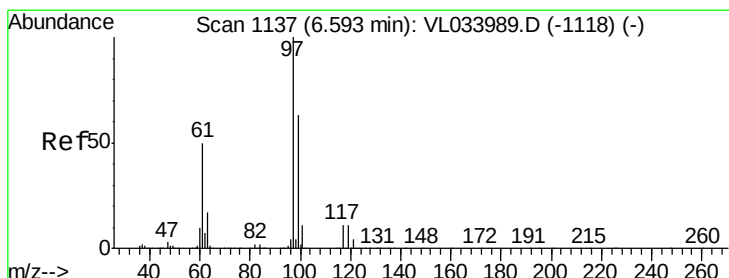
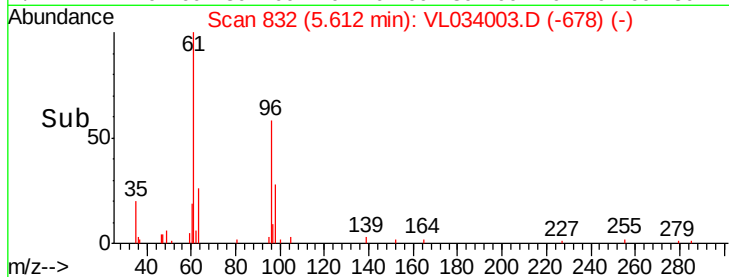
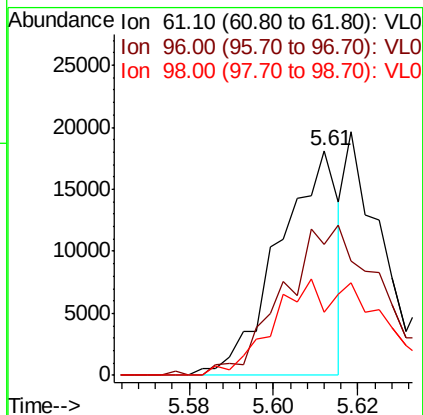
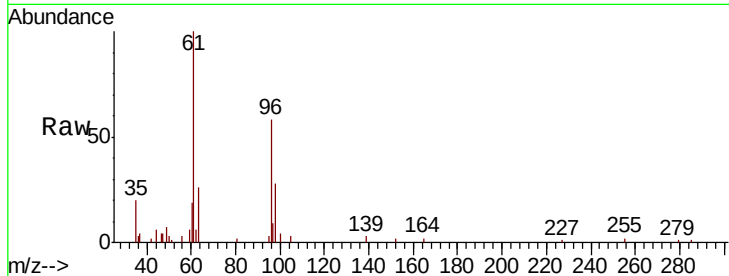


#31

cis-1,2-Dichloroethene
 Concen: 0.197 ppbv
 RT: 5.61 min Scan# 832
 Delta R.T. -0.01 min
 Lab File: VL034003.D
 Acq: 3 Jul 2019 3:10

Instrument :
 MSVOA_L
 ClientSampled :

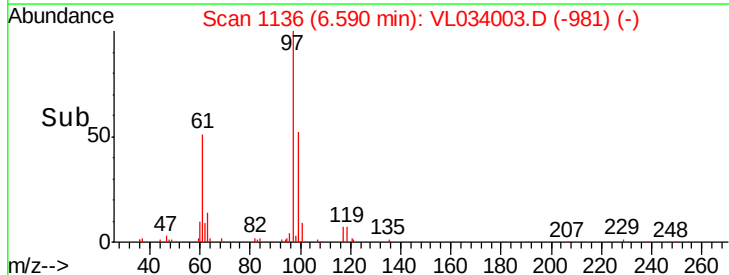
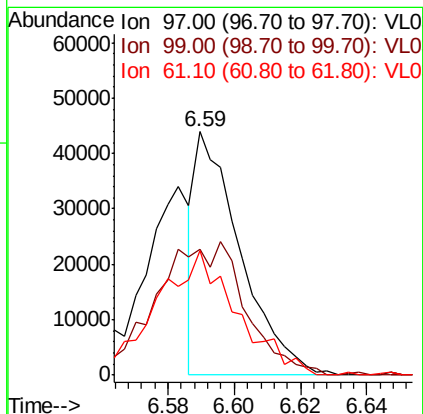
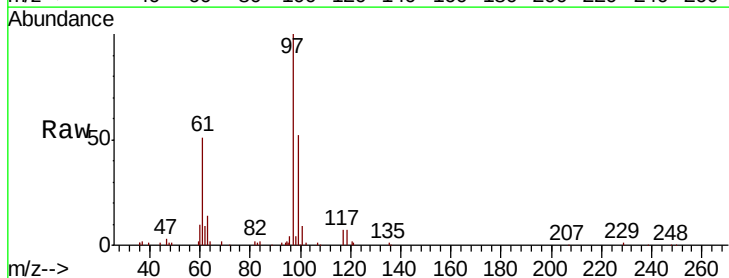
Tot Ion	61	Resp	17709
Ion Ratio	Lower	Upper	
61	100		
96	58.2	51.8	77.6
98	28.2	32.1	48.1#

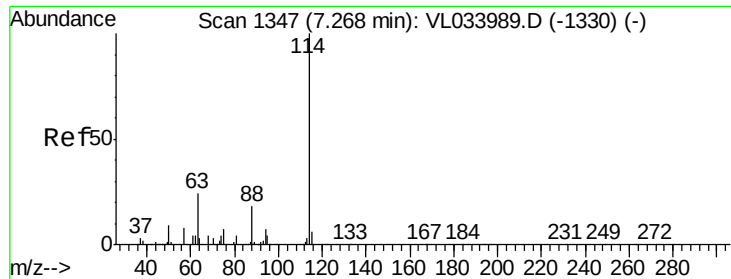


#32

1,1,1-Trichloroethane
 Concen: 0.233 ppbv
 RT: 6.59 min Scan# 1136
 Delta R.T. -0.00 min
 Lab File: VL034003.D
 Acq: 3 Jul 2019 3:10

Tgt Ion	97	Resp	41302
Ion Ratio	Lower	Upper	
97	100		
99	109.5	51.9	77.9#
61	92.4	39.8	59.8#

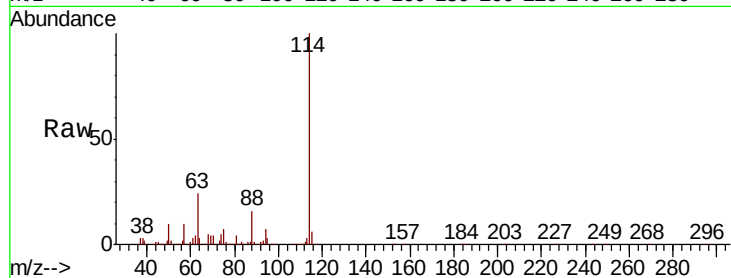




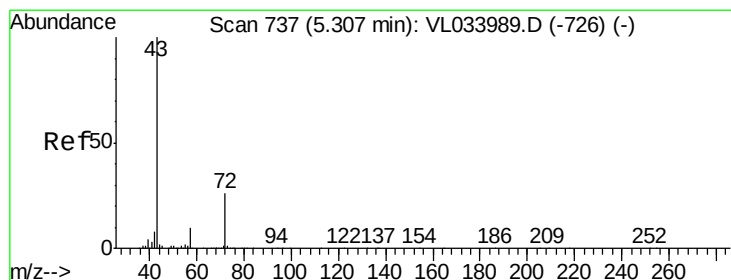
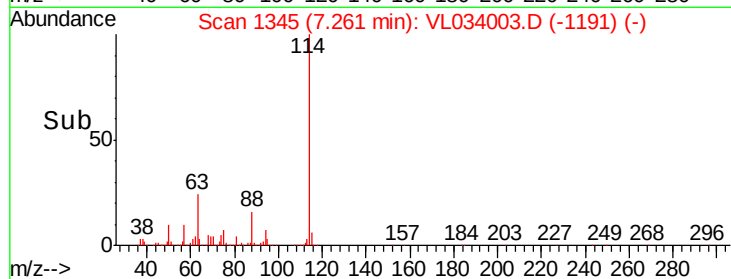
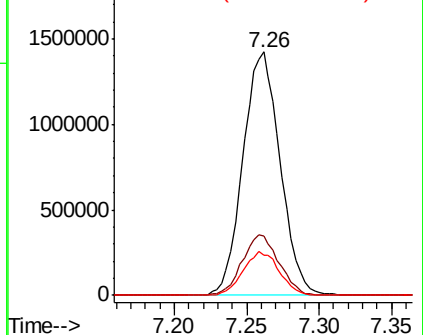
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.26 min Scan# 1345
 Delta R.T. -0.01 min
 Lab File: VL034003.D
 Acq: 3 Jul 2019 3:10

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 2543289
 Ion Ratio Lower Upper
 114 100
 63 24.7 20.2 30.2
 88 17.6 14.1 21.1

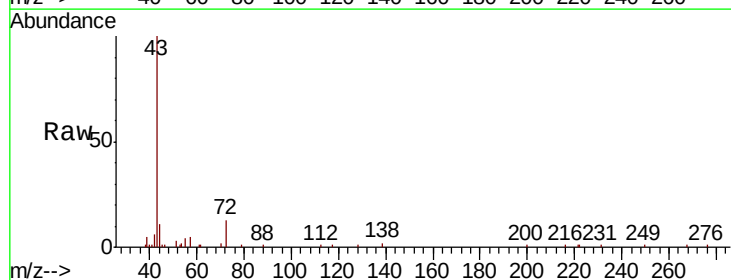


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

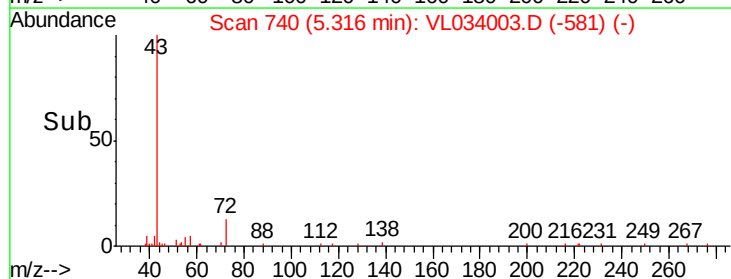
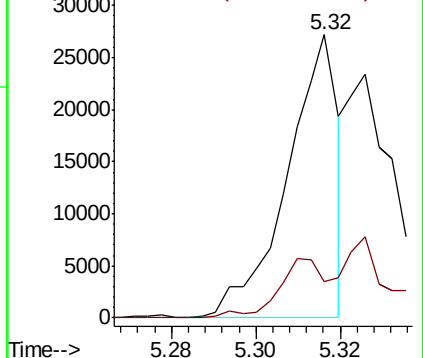


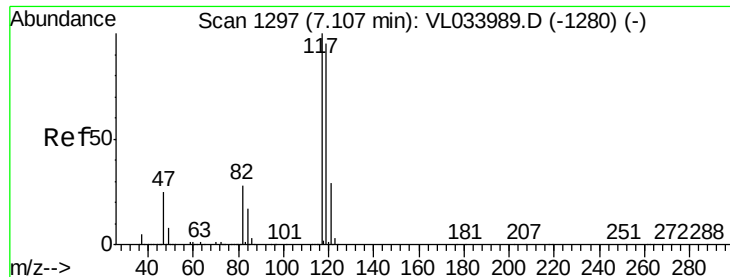
#34
 2-Butanone
 Concen: 0.169 ppbv
 RT: 5.32 min Scan# 740
 Delta R.T. 0.01 min
 Lab File: VL034003.D
 Acq: 3 Jul 2019 3:10

Tgt Ion: 43 Resp: 22695
 Ion Ratio Lower Upper
 43 100
 72 0.0 19.9 29.9#



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





#35

Carbon Tetrachloride

Concen: 0.412 ppbv

RT: 7.10 min Scan# 1296

Delta R.T. -0.00 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Instrument :

MSVOA_L

ClientSampleId :

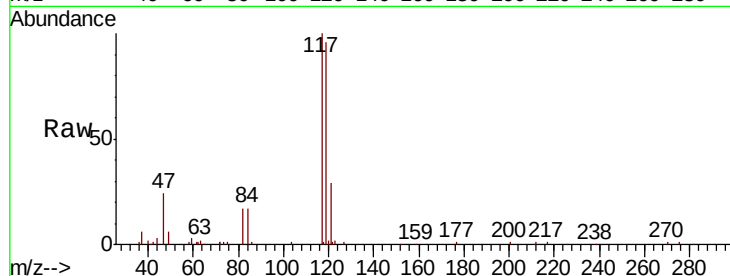
Tot Ion:117 Resp: 82927

Ion Ratio Lower Upper

117 100

119 94.8 75.8 113.6

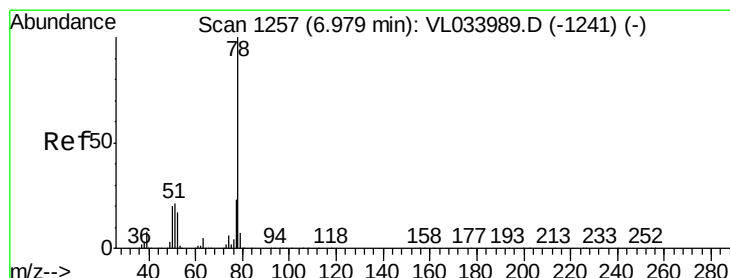
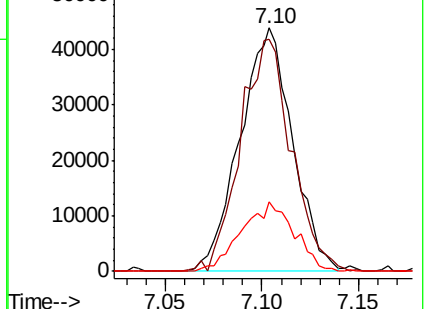
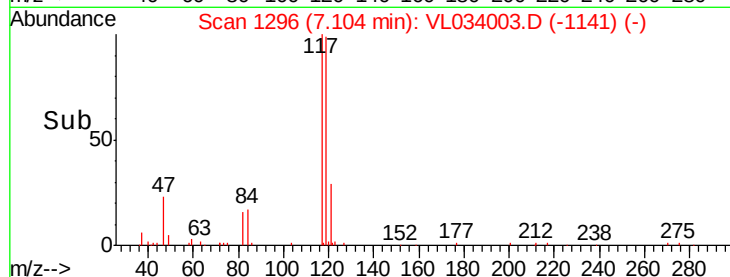
121 28.8 23.4 35.2



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: 0.302 ppbv

RT: 6.98 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

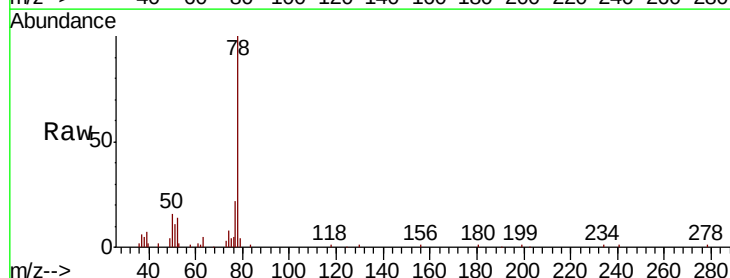
Tgt Ion: 78 Resp: 60133

Ion Ratio Lower Upper

78 100

77 22.3 18.7 28.1

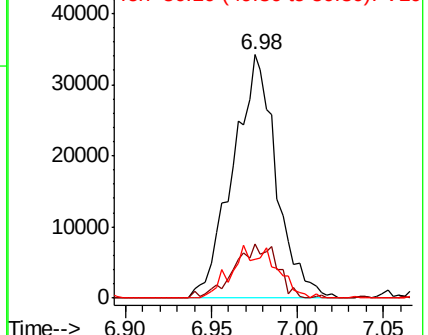
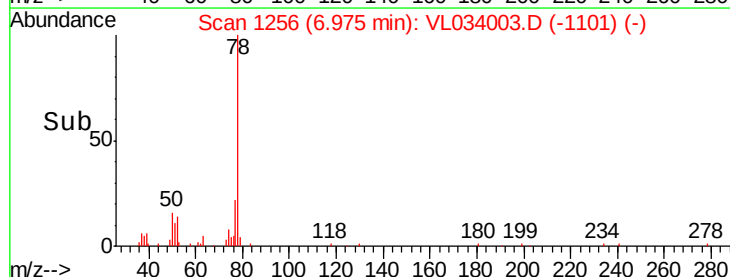
50 16.0 16.2 24.2#

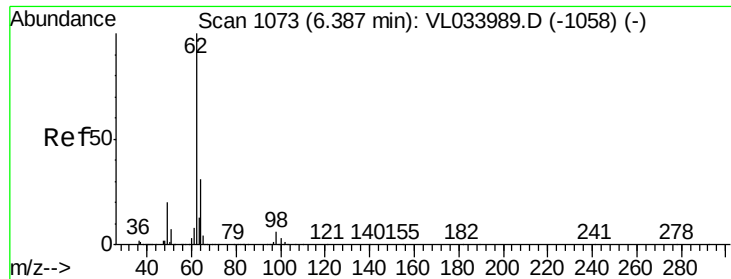


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 0.194 ppbv

RT: 6.38 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Instrument :

MSVOA_L

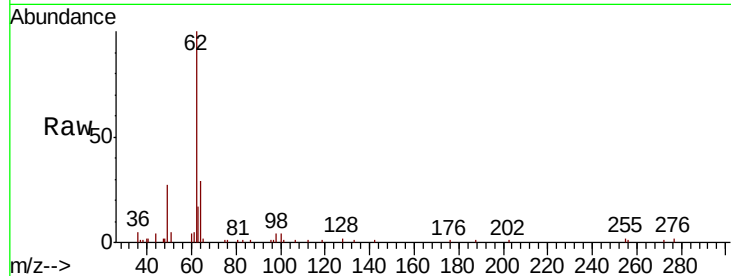
ClientSampled :

Tot Ion: 62 Resp: 28378

Ion Ratio Lower Upper

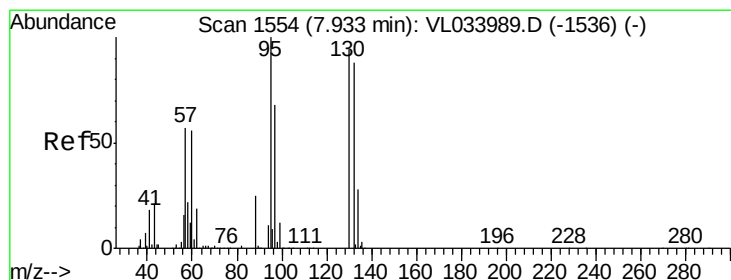
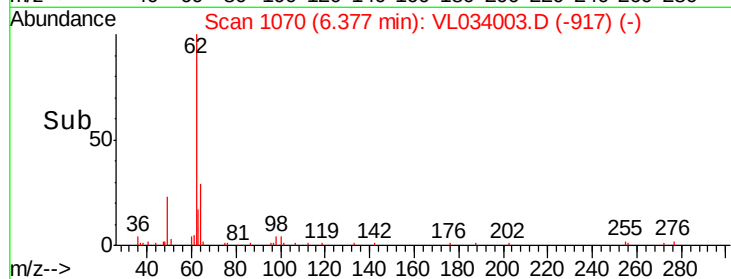
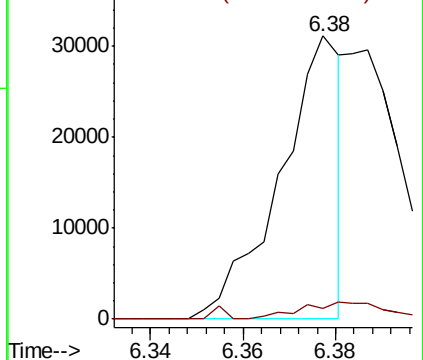
62 100

98 11.5 4.4 6.6#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 0.210 ppbv

RT: 7.93 min Scan# 1552

Delta R.T. -0.01 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Tgt Ion: 130 Resp: 18579

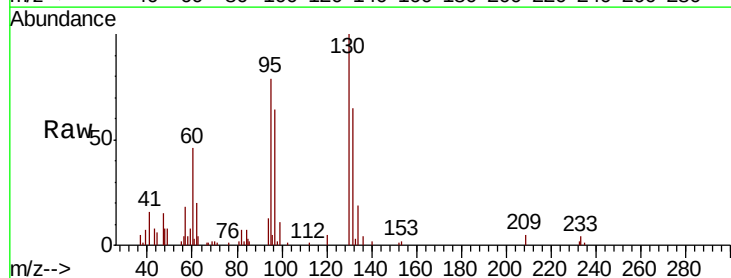
Ion Ratio Lower Upper

130 100

95 78.5 85.5 128.3#

132 62.3 75.1 112.7#

97 66.5 58.1 87.1

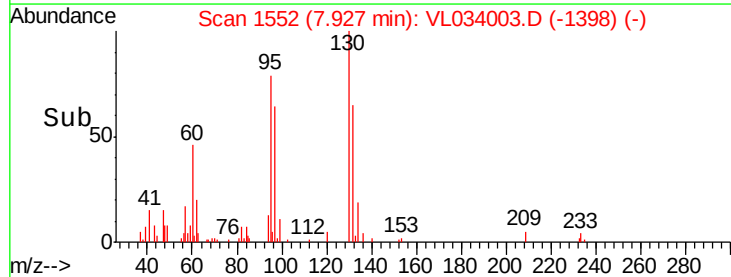
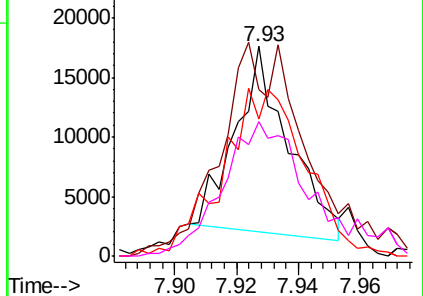


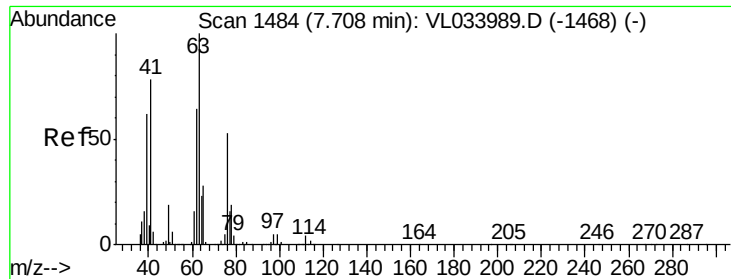
Abundance Ion 130.00 (129.70 to 130.70): VL0

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): VL0

Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 0.149 ppbv

RT: 7.71 min Scan# 1484

Delta R.T. 0.00 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Instrument :

MSVOA_L

ClientSampled :

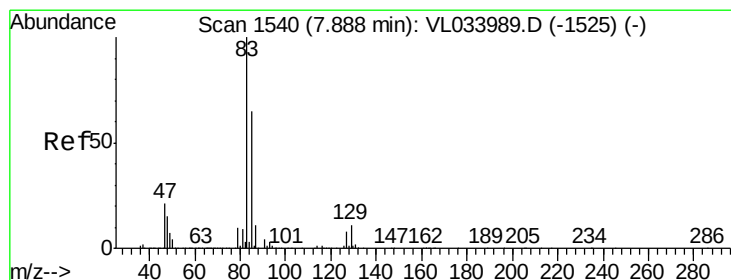
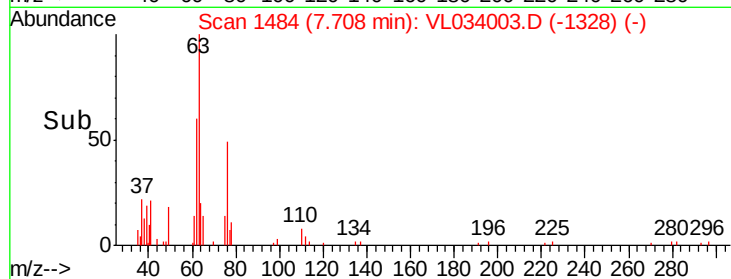
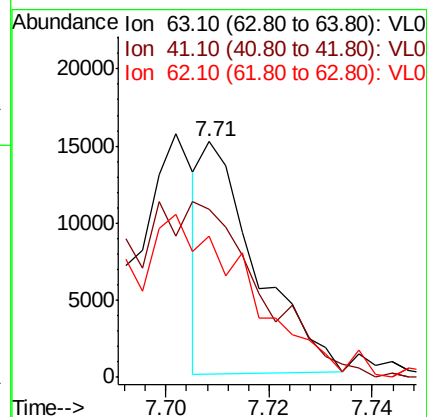
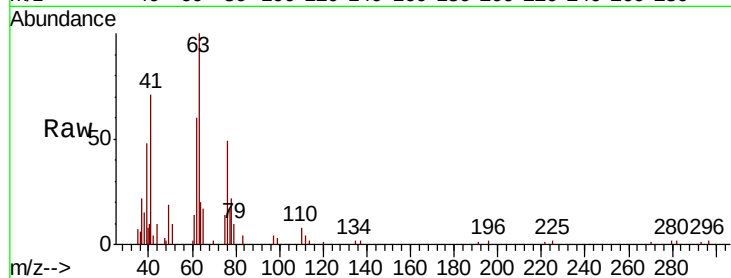
Tot Ion: 63 Resp: 11005

Ion Ratio Lower Upper

63 100

41 67.3 62.3 93.5

62 59.0 51.4 77.2



#42

Bromodichloromethane

Concen: 0.382 ppbv

RT: 7.89 min Scan# 1540

Delta R.T. 0.00 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

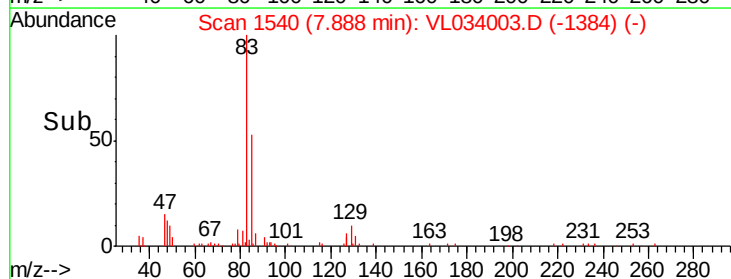
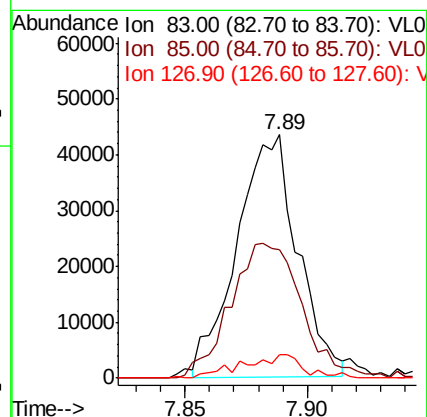
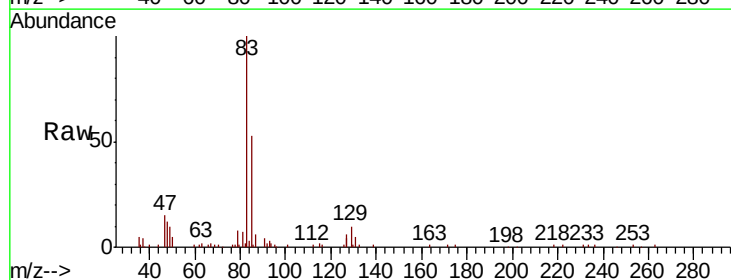
Tgt Ion: 83 Resp: 75100

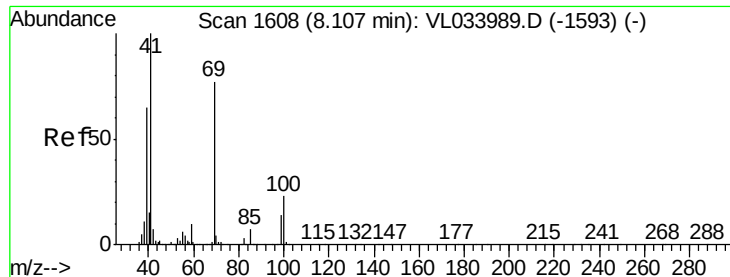
Ion Ratio Lower Upper

83 100

85 50.1 51.8 77.8#

127 10.2 6.5 9.7#





#43

Methyl Methacrylate

Concen: 0.114 ppbv

RT: 8.10 min Scan# 1607

Delta R.T. -0.00 min

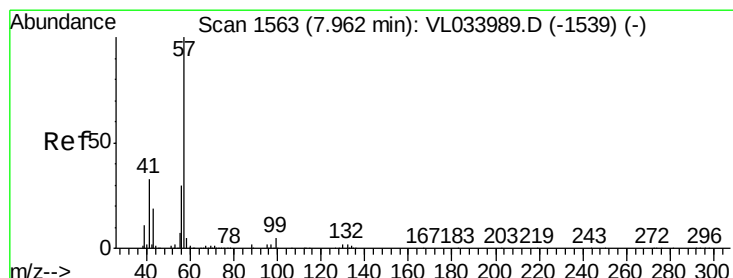
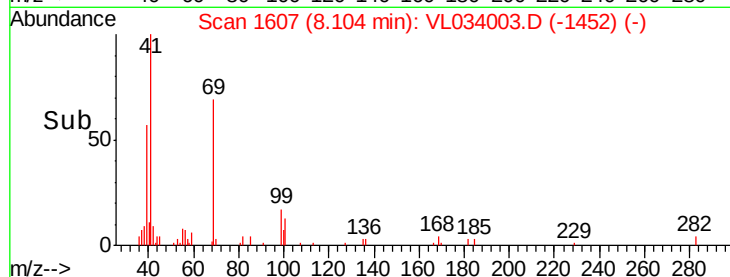
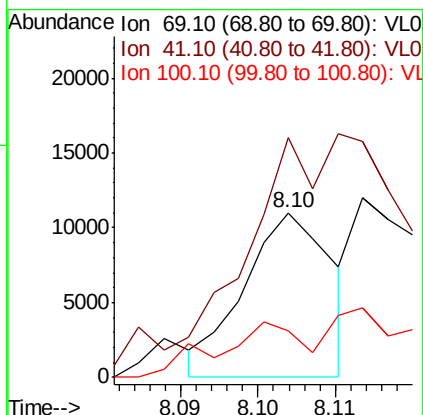
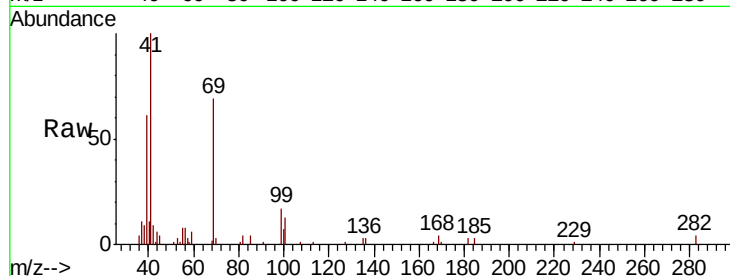
Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 69 Resp: 8643

Ion	Ratio	Lower	Upper
69	100		
41	0.0	109.1	163.7#
100	0.0	25.3	37.9#



#44

2,2,4-Trimethylpentane

Concen: 0.134 ppbv

RT: 7.96 min Scan# 1562

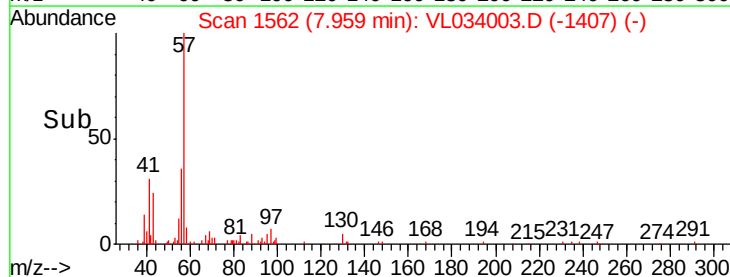
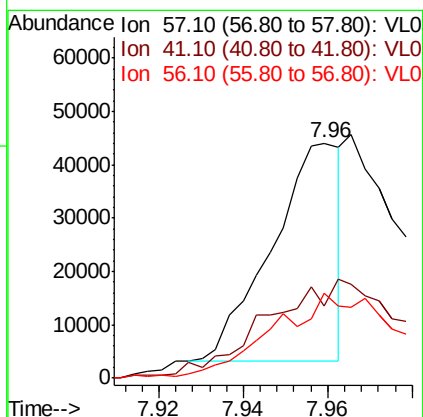
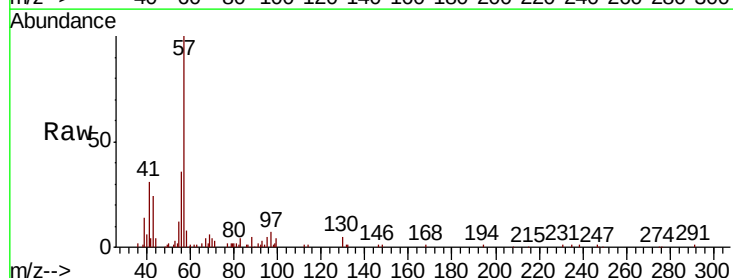
Delta R.T. -0.00 min

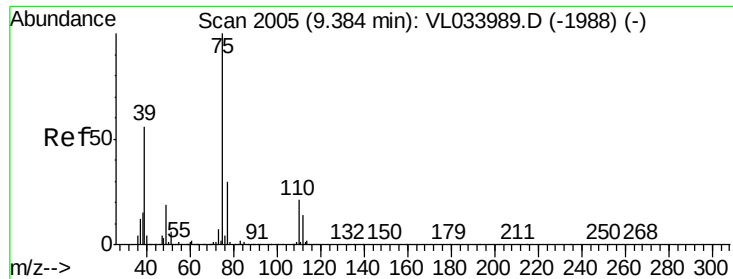
Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Tgt Ion: 57 Resp: 46142

Ion	Ratio	Lower	Upper
57	100		
41	0.0	26.1	39.1#
56	71.6	24.4	36.6#





#45

t-1,3-Dichloropropene

Concen: 0.210 ppbv

RT: 9.38 min Scan# 2003

Delta R.T. -0.01 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Instrument :

MSVOA_L

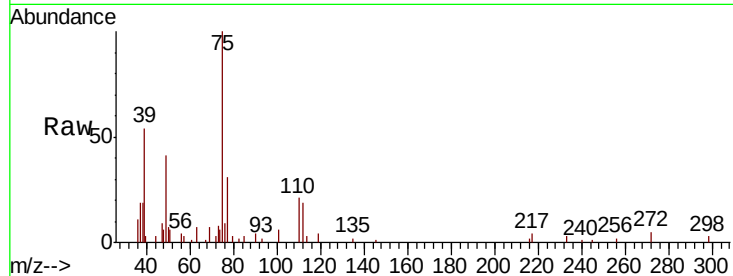
ClientSampleId :

Tot Ion: 75 Resp: 20735

Ion Ratio Lower Upper

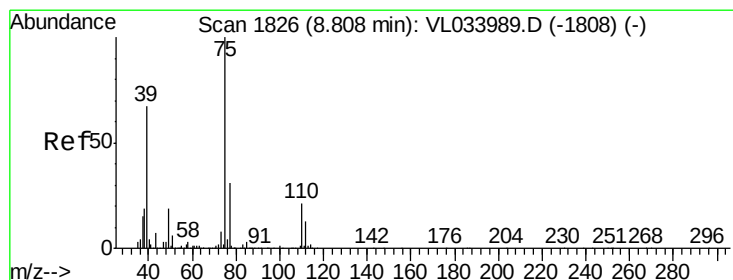
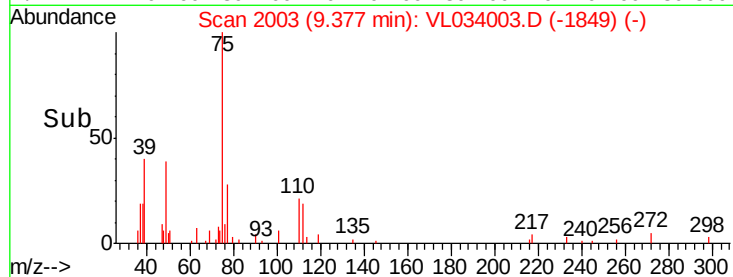
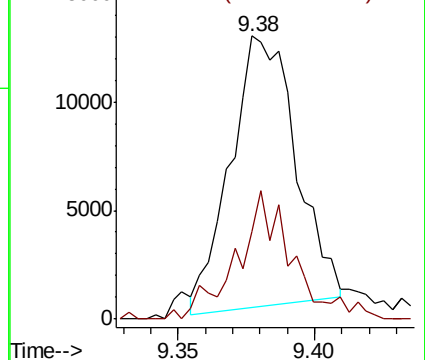
75 100

77 30.7 24.3 36.5



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 0.232 ppbv

RT: 8.80 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

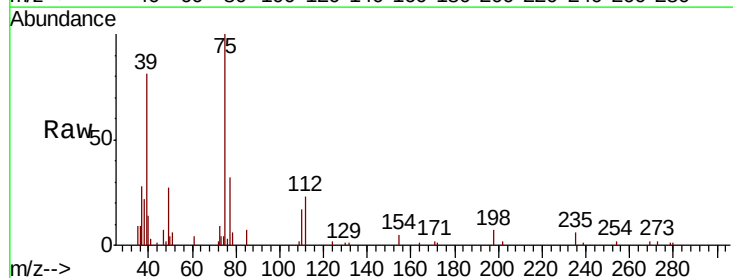
Tgt Ion: 75 Resp: 26584

Ion Ratio Lower Upper

75 100

39 75.2 53.8 80.6

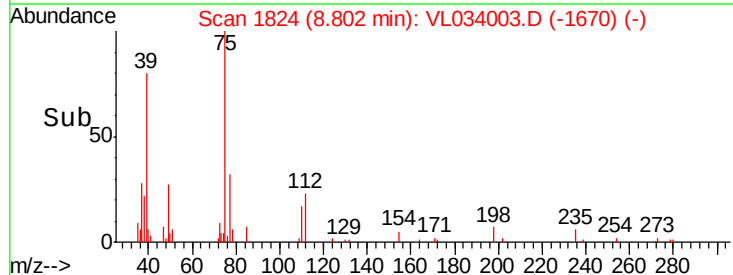
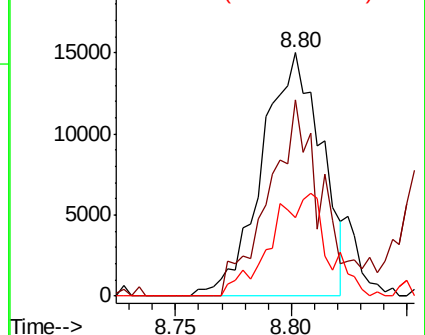
77 32.4 24.5 36.7

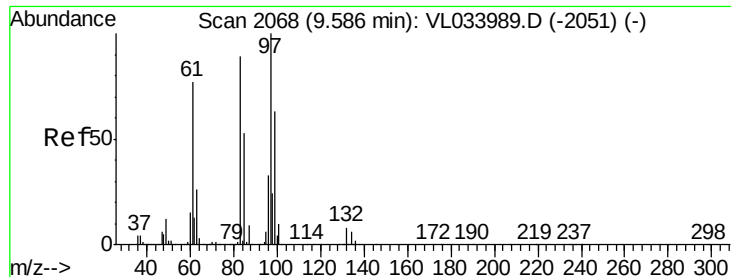


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





#47

1,1,2-Trichloroethane

Concen: 0.099 ppbv

RT: 9.59 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 97 Resp: 9174

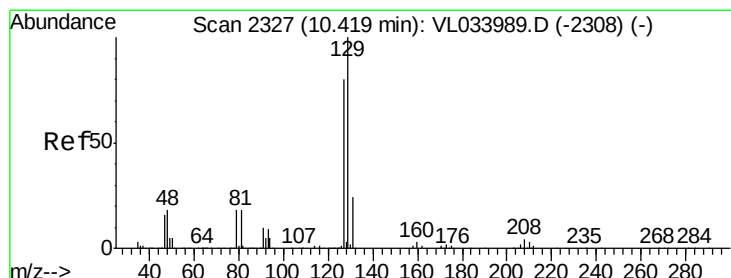
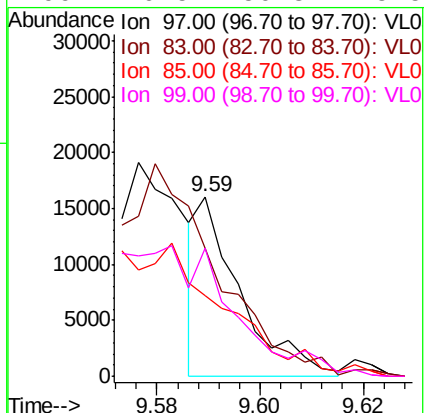
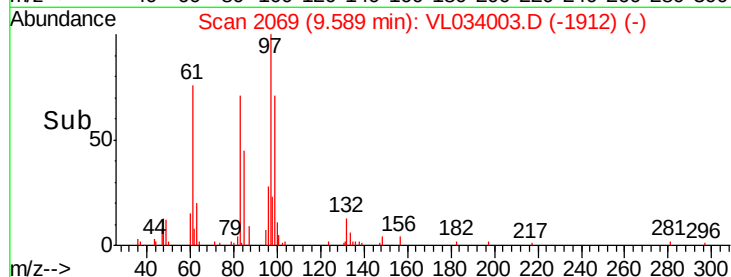
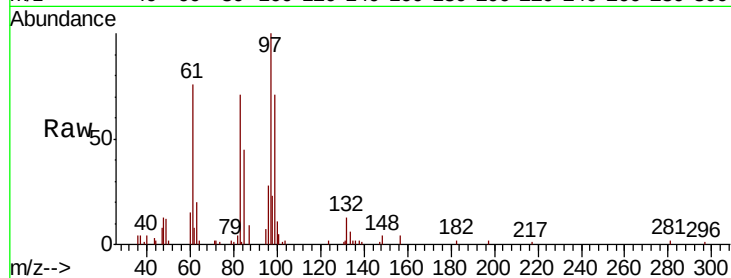
Ion Ratio Lower Upper

97 100

83 72.1 71.1 106.7

85 43.0 42.6 64.0

99 70.5 50.3 75.5



#48

Dibromochloromethane

Concen: 0.188 ppbv

RT: 10.41 min Scan# 2324

Delta R.T. -0.01 min

Lab File: VL034003.D

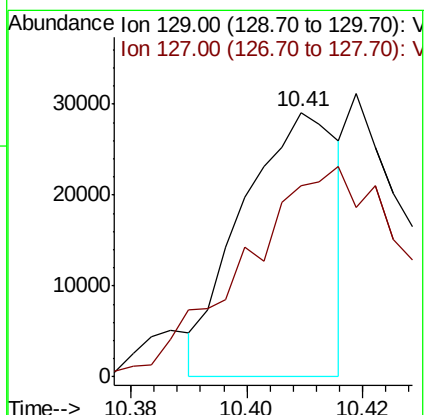
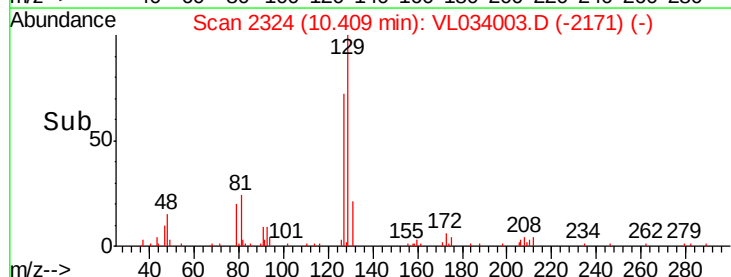
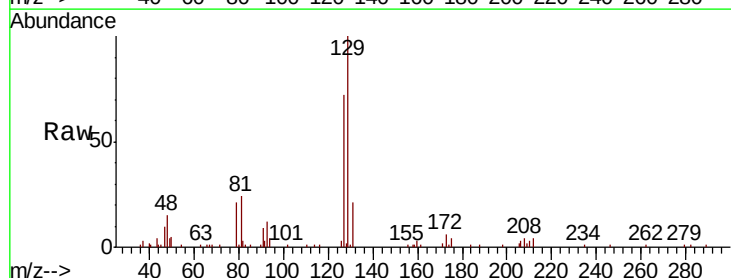
Acq: 3 Jul 2019 3:10

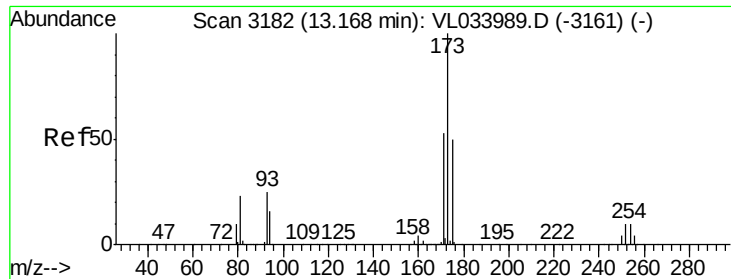
Tgt Ion: 129 Resp: 33360

Ion Ratio Lower Upper

129 100

127 0.0 39.1 117.3#





#49

Bromoform

Concen: 0.331 ppbv

RT: 13.17 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Instrument :

MSVOA_L

ClientSampleId :

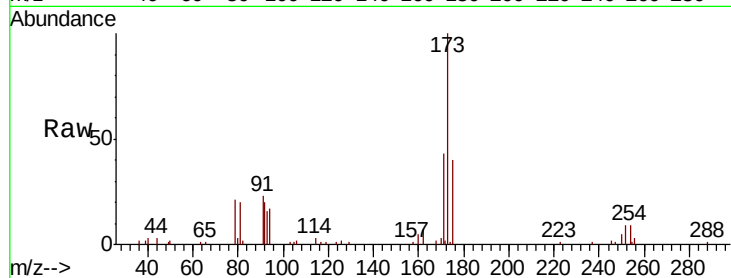
Tot Ion:173 Resp: 50141

Ion Ratio Lower Upper

173 100

175 55.9 39.3 58.9

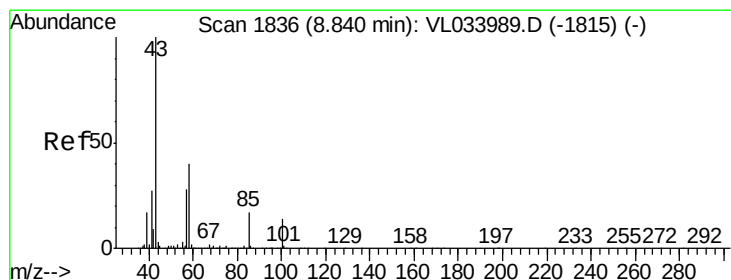
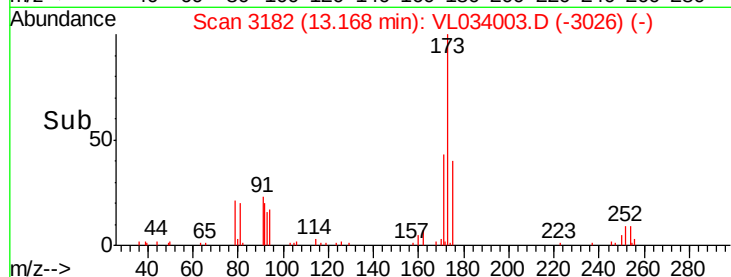
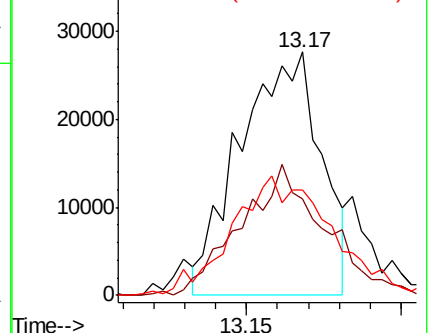
171 60.3 41.4 62.0



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: 0.269 ppbv

RT: 8.87 min Scan# 1844

Delta R.T. 0.03 min

Lab File: VL034003.D

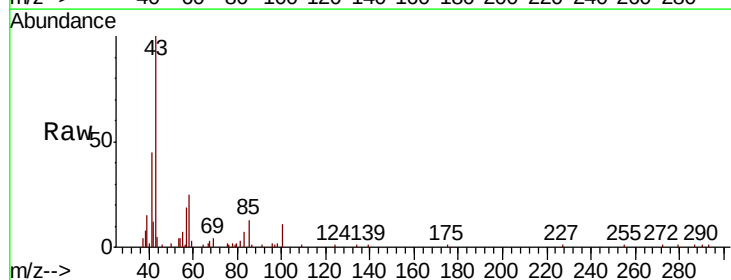
Acq: 3 Jul 2019 3:10

Tgt Ion: 43 Resp: 53791

Ion Ratio Lower Upper

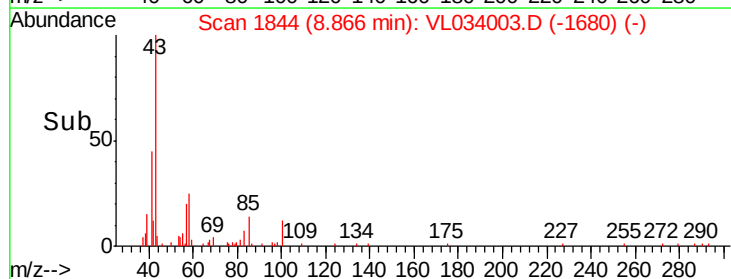
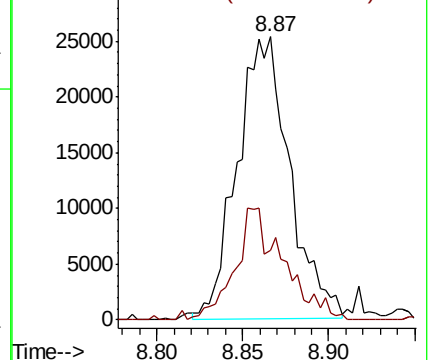
43 100

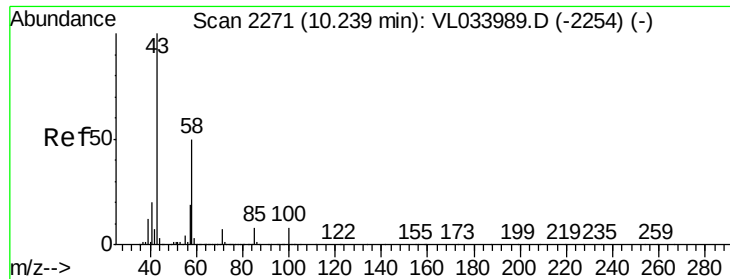
58 37.0 30.3 45.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

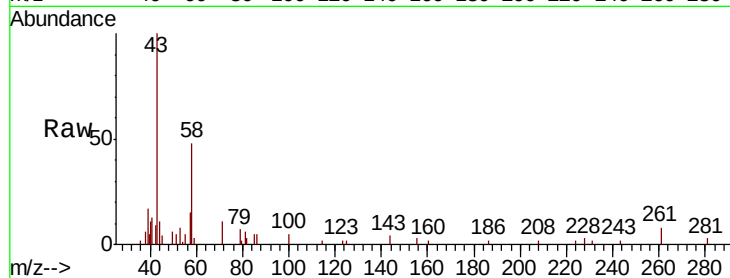




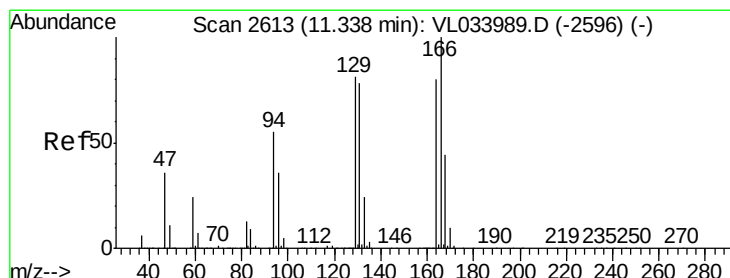
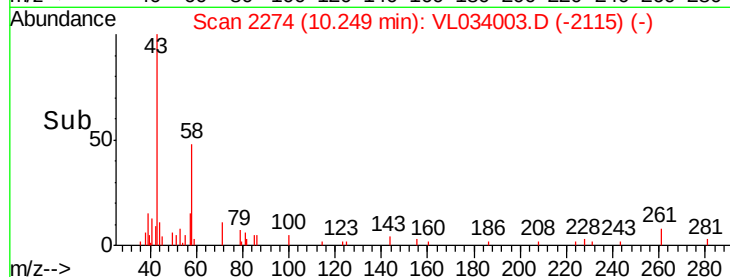
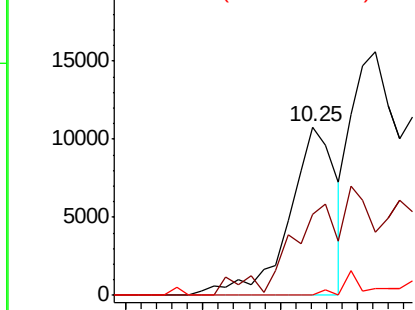
#51
2-Hexanone
Concen: 0.056 ppbv
RT: 10.25 min Scan# 2274
Delta R.T. 0.01 min
Lab File: VL034003.D
Acq: 3 Jul 2019 3:10

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 9064
Ion Ratio Lower Upper
43 100
58 0.0 41.0 61.4#
98 1.2 0.2 0.2#

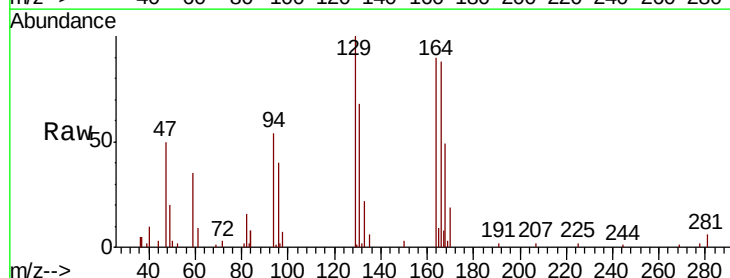


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0

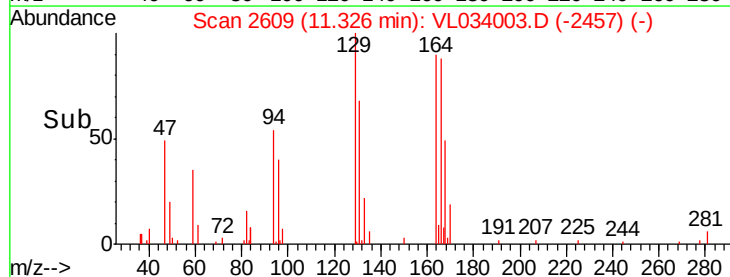
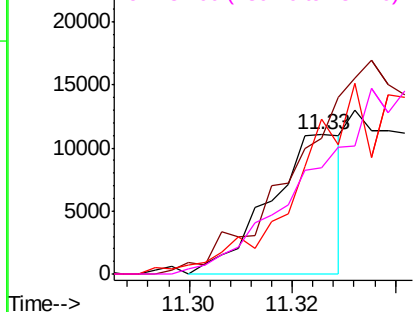


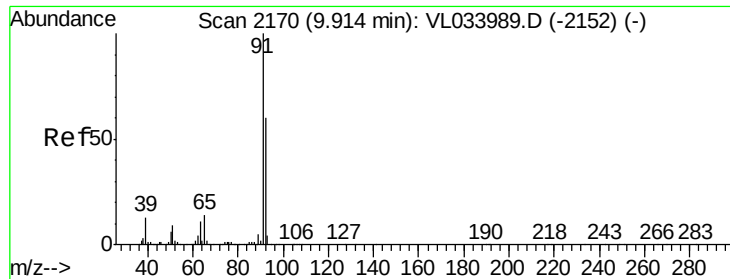
#52
Tetrachloroethene
Concen: 0.125 ppbv
RT: 11.33 min Scan# 2609
Delta R.T. -0.01 min
Lab File: VL034003.D
Acq: 3 Jul 2019 3:10

Tgt Ion: 164 Resp: 10733
Ion Ratio Lower Upper
164 100
166 88.7 100.2 150.2#
129 104.4 81.0 121.6
131 72.3 78.3 117.5#



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 0.140 ppbv

RT: 9.91 min Scan# 2169

Delta R.T. -0.00 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Instrument :

MSVOA_L

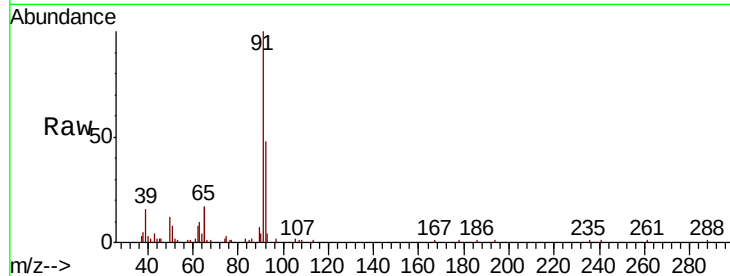
ClientSampleId :

Tot Ion: 91 Resp: 31827

Ion Ratio Lower Upper

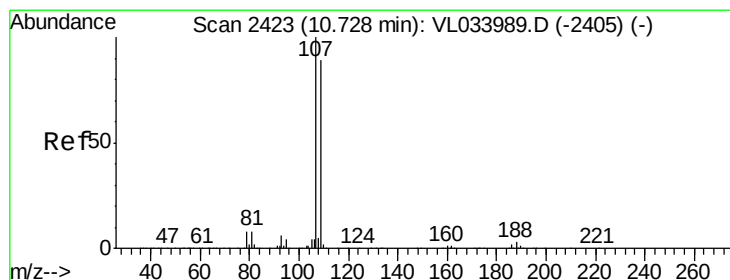
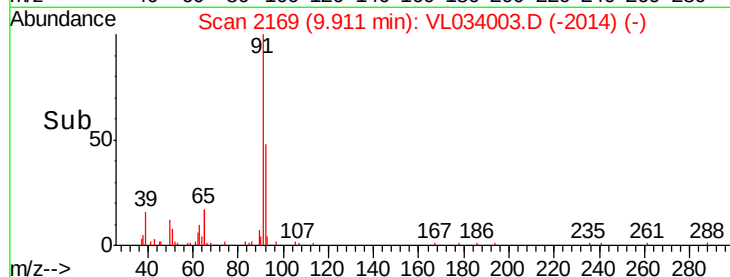
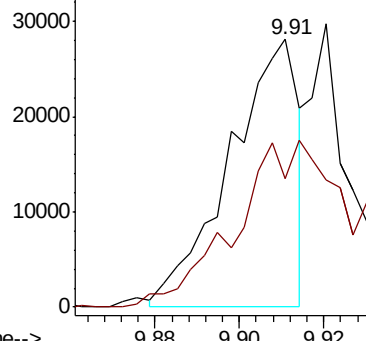
91 100

92 106.3 47.7 71.5#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 0.340 ppbv

RT: 10.72 min Scan# 2421

Delta R.T. -0.01 min

Lab File: VL034003.D

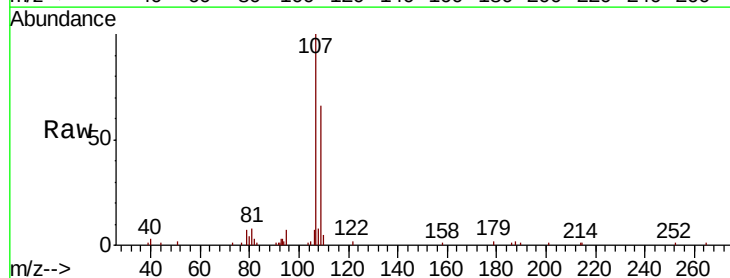
Acq: 3 Jul 2019 3:10

Tgt Ion: 107 Resp: 46662

Ion Ratio Lower Upper

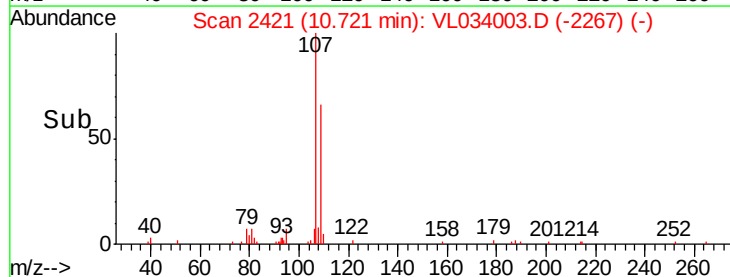
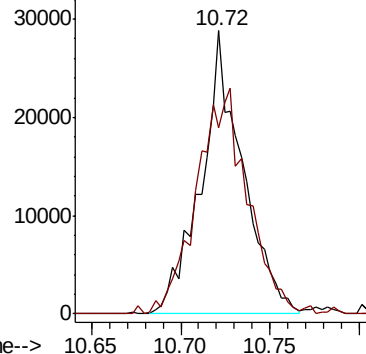
107 100

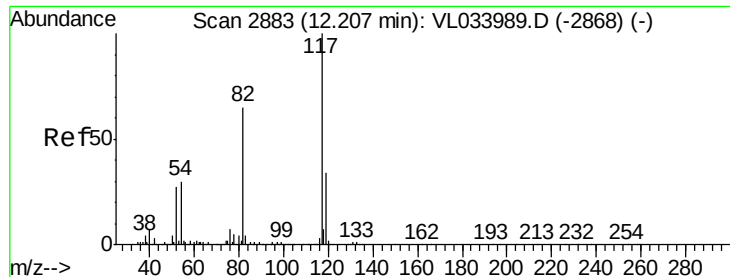
109 69.7 71.5 107.3#



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.20 min Scan# 2882

Delta R.T. -0.00 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Instrument :

MSVOA_L

ClientSampleId :

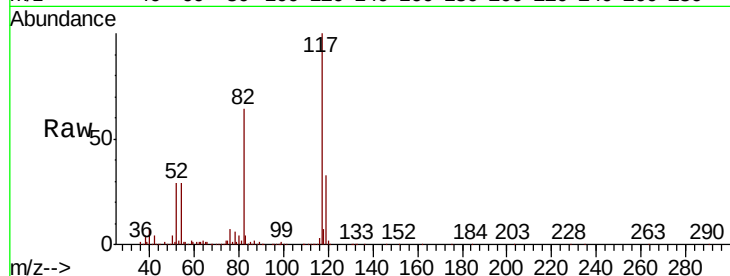
Tot Ion:117 Resp: 2445376

Ion Ratio Lower Upper

117 100

82 65.1 50.8 76.2

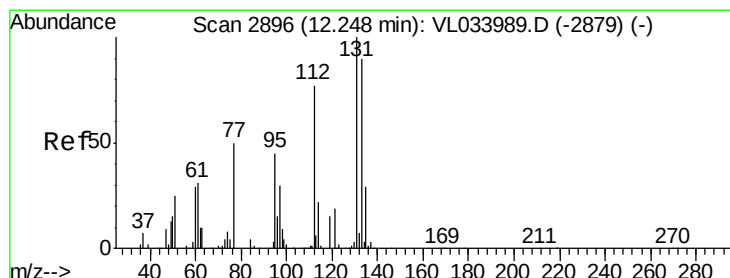
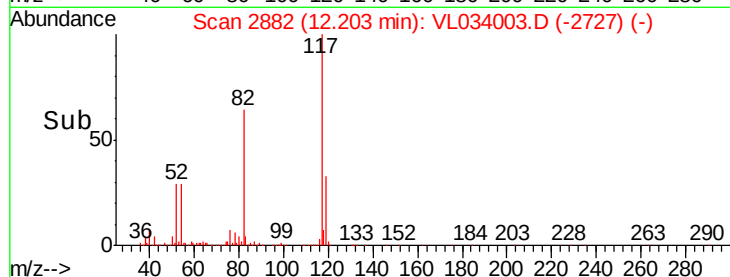
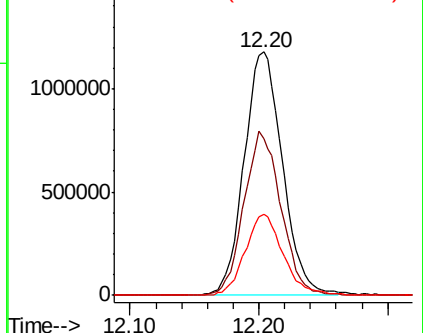
119 33.2 24.0 36.0



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 0.207 ppbv

RT: 12.25 min Scan# 2895

Delta R.T. -0.00 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

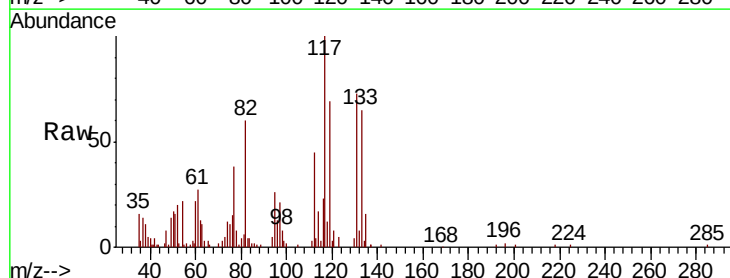
Tgt Ion:131 Resp: 22622

Ion Ratio Lower Upper

131 100

133 212.4 76.2 114.2#

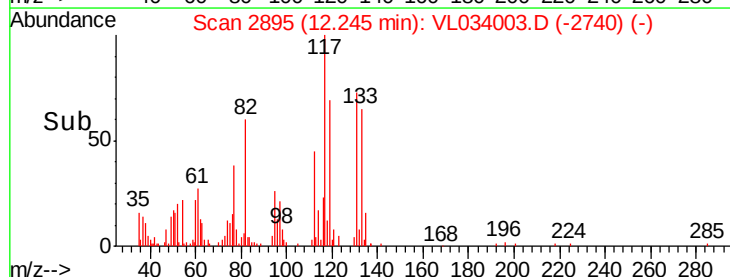
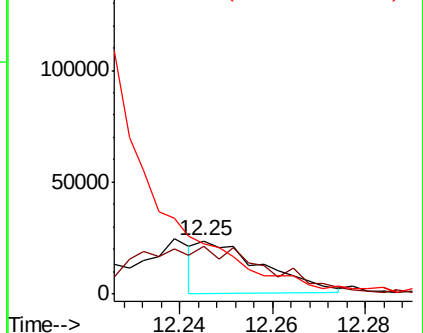
119 0.0 43.1 64.7#

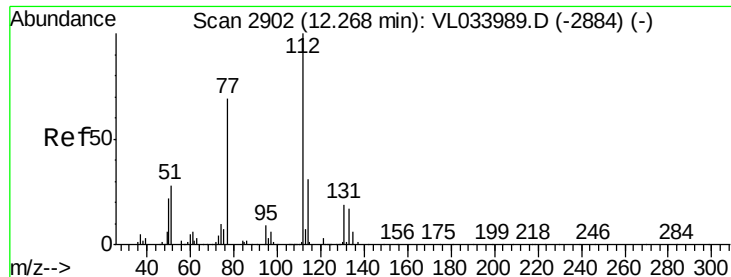


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 0.431 ppbv

RT: 12.26 min Scan# 2900

Delta R.T. -0.01 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Instrument :

MSVOA_L

ClientSampled :

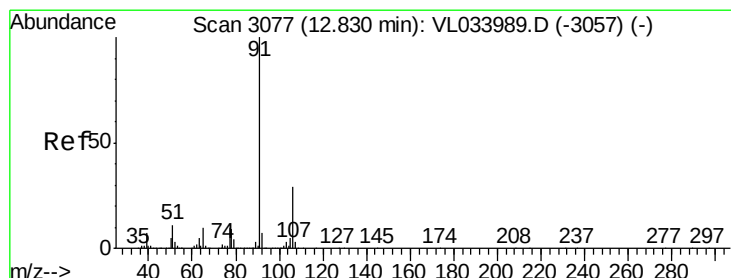
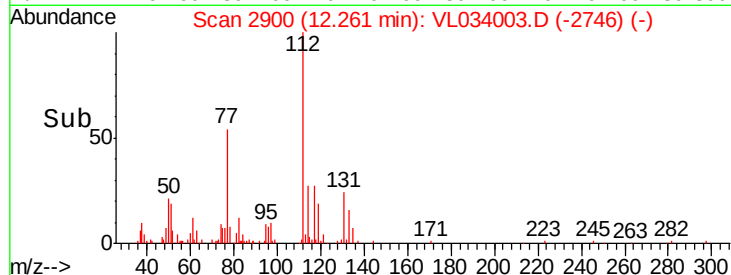
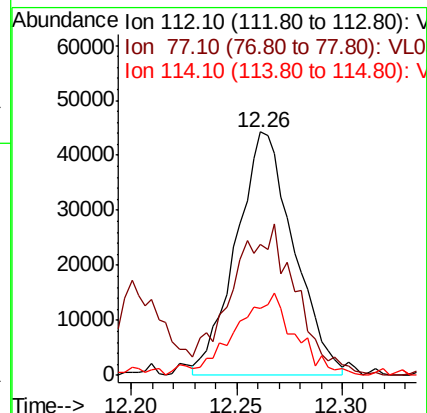
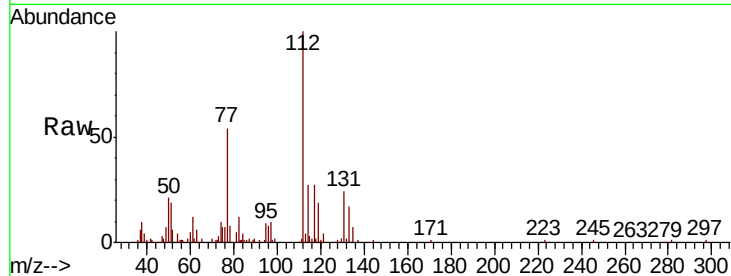
Tot Ion:112 Resp: 83939

Ion Ratio Lower Upper

112 100

77 51.1 55.9 83.9#

114 25.6 27.6 33.8#



#58

Ethyl Benzene

Concen: 0.073 ppbv

RT: 12.84 min Scan# 3080

Delta R.T. 0.01 min

Lab File: VL034003.D

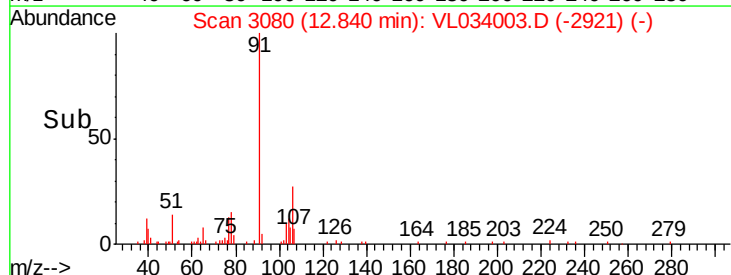
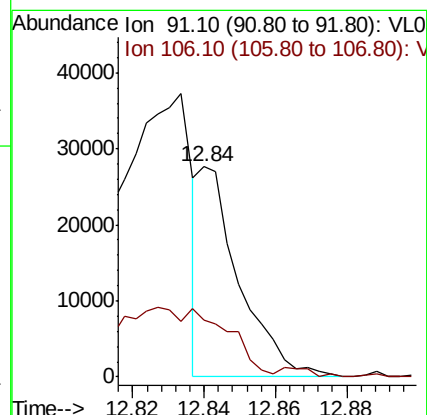
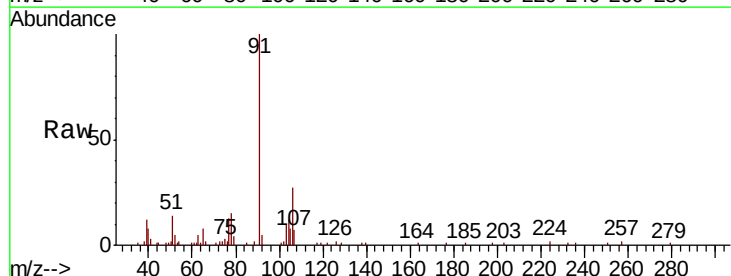
Acq: 3 Jul 2019 3:10

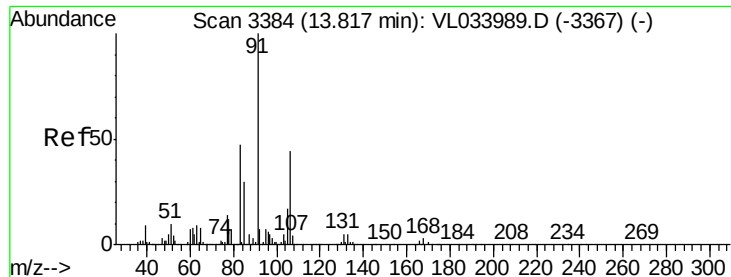
Tgt Ion: 91 Resp: 21405

Ion Ratio Lower Upper

91 100

106 27.1 23.3 34.9

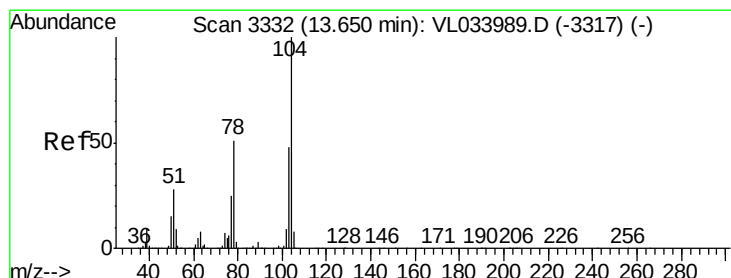
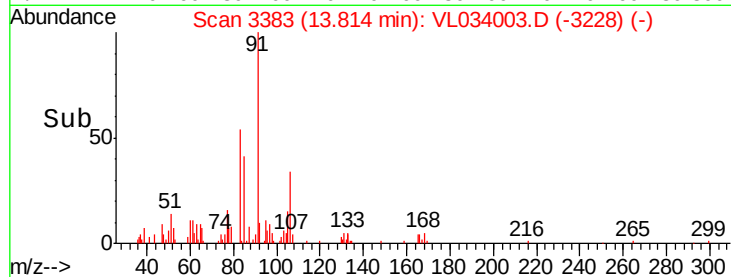
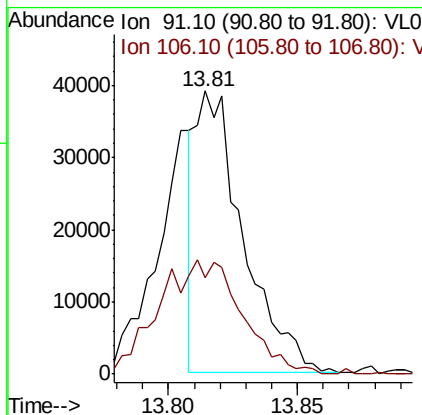
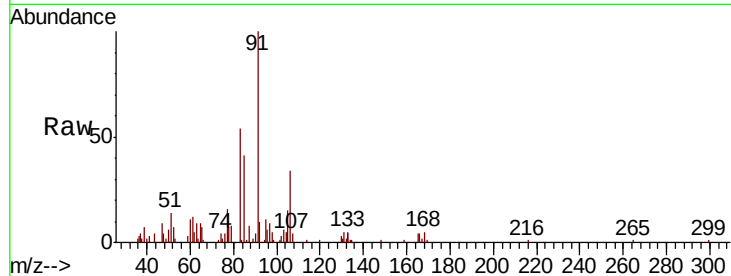




#60
o-Xylene
Concen: 0.187 ppbv
RT: 13.81 min Scan# 3383
Delta R.T. -0.00 min
Lab File: VL034003.D
Acq: 3 Jul 2019 3:10

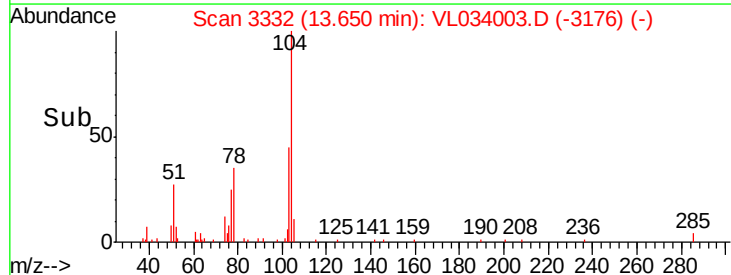
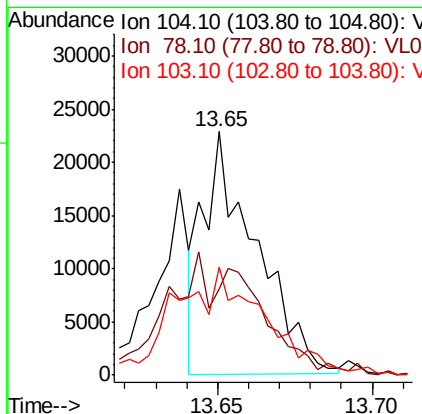
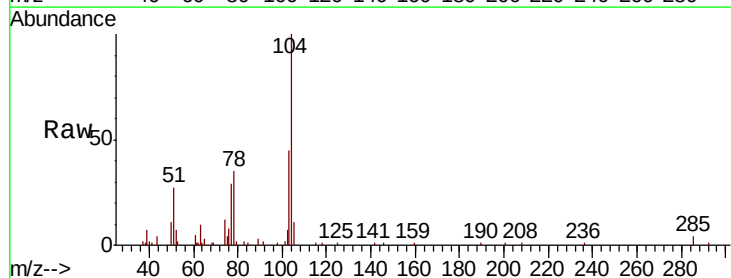
Instrument :
MSVOA_L
ClientSampled :

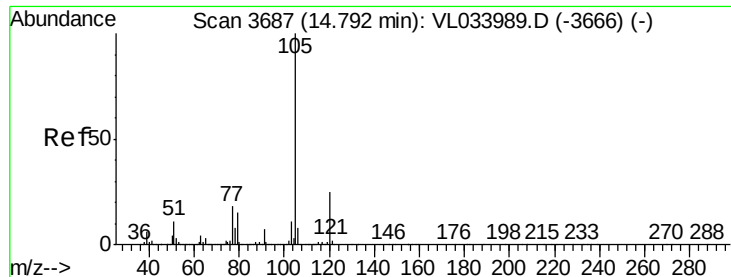
Tot Ion: 91 Resp: 49715
Ion Ratio Lower Upper
91 100
106 72.0 21.9 65.7#



#61
Styrene
Concen: 0.154 ppbv
RT: 13.65 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VL034003.D
Acq: 3 Jul 2019 3:10

Tgt Ion: 104 Resp: 27077
Ion Ratio Lower Upper
104 100
78 86.1 43.9 65.9#
103 77.2 38.1 57.1#





#62

Isopropylbenzene

Concen: 0.281 ppbv

RT: 14.79 min Scan# 3685

Delta R.T. -0.01 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Instrument :

MSVOA_L

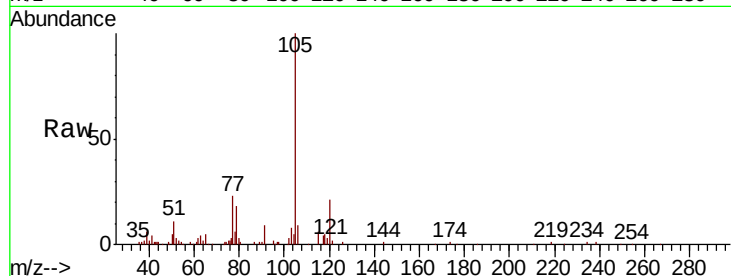
ClientSampled :

Tot Ion:105 Resp: 115141

Ion Ratio Lower Upper

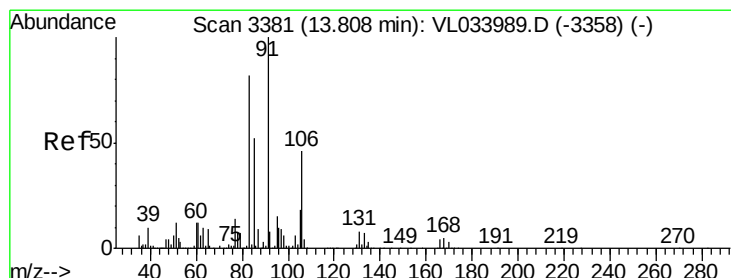
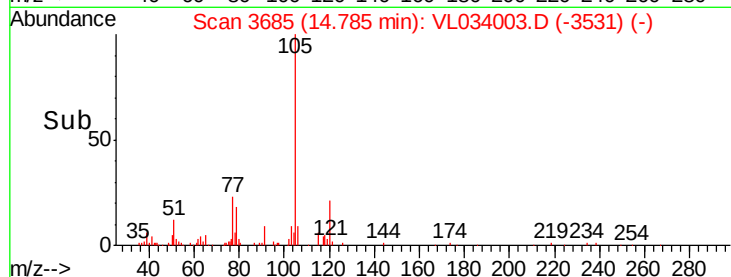
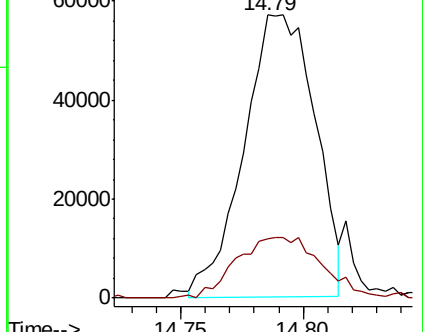
105 100

120 26.2 20.4 30.6



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: 0.383 ppbv

RT: 13.80 min Scan# 3379

Delta R.T. -0.01 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

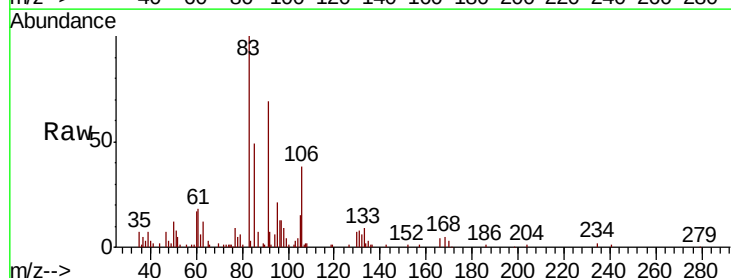
Tgt Ion: 83 Resp: 78966

Ion Ratio Lower Upper

83 100

131 12.2 5.0 14.9

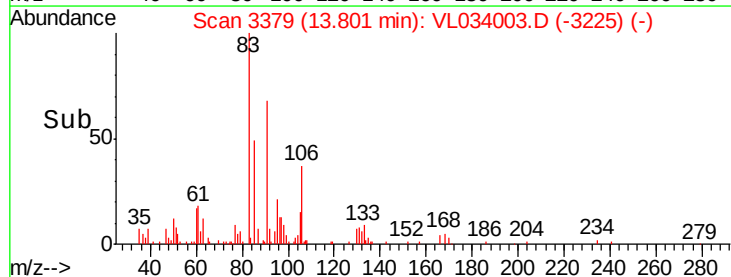
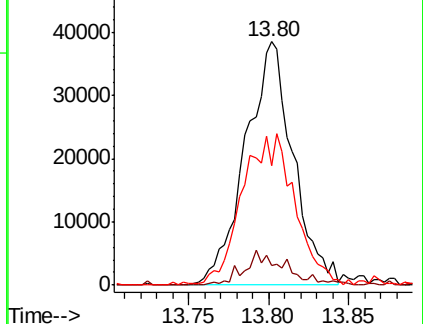
85 68.5 32.8 98.3

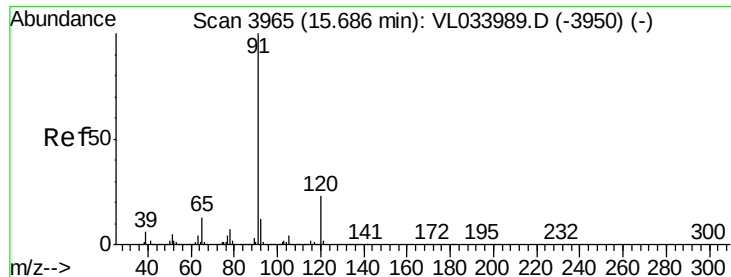


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0





#64

n-propylbenzene

Concen: 0.092 ppbv

RT: 15.69 min Scan# 3965

Delta R.T. 0.00 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Instrument :

MSVOA_L

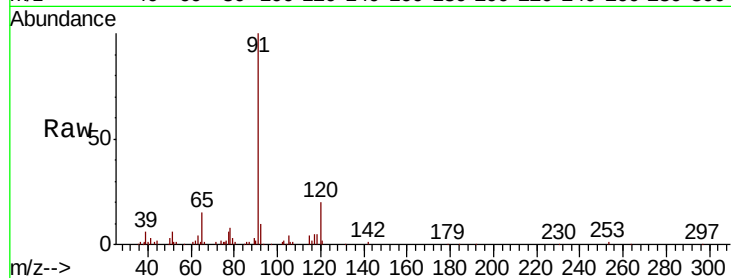
ClientSampleId :

Tot Ion:120 Resp: 9802

Ion Ratio Lower Upper

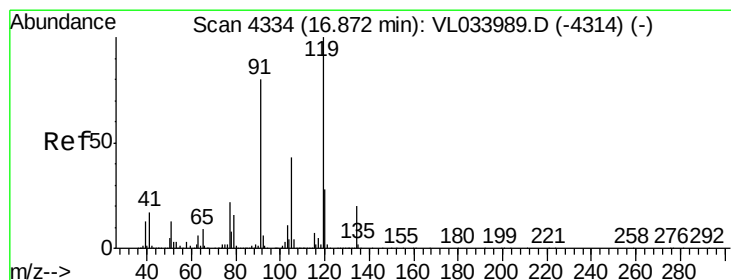
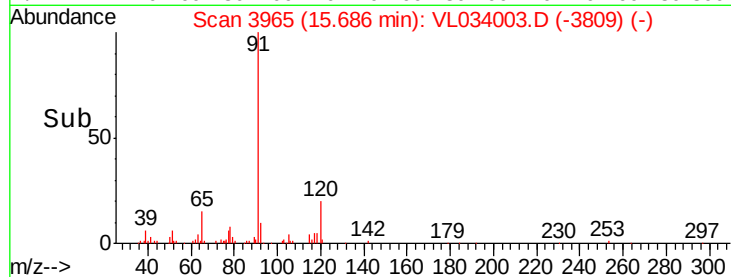
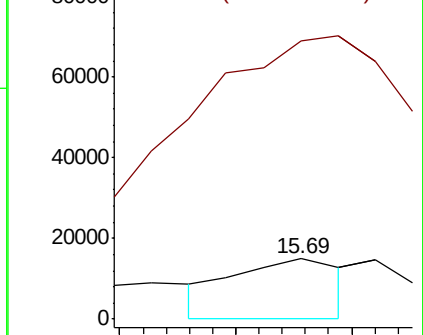
120 100

91 0.0 386.6 579.8#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.302 ppbv

RT: 16.87 min Scan# 4334

Delta R.T. 0.00 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

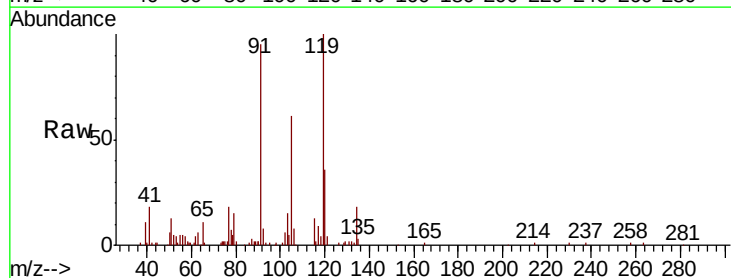
Tgt Ion:119 Resp: 105065

Ion Ratio Lower Upper

119 100

91 93.2 67.0 100.6

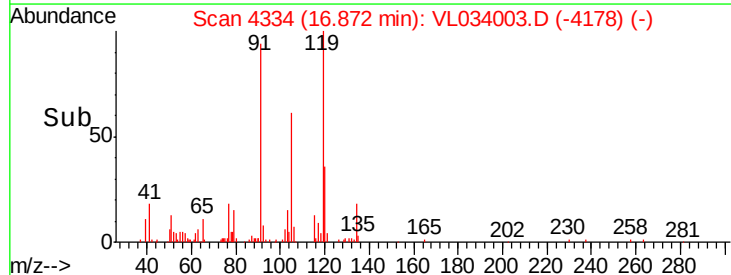
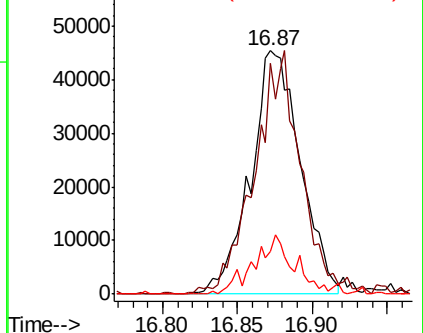
134 20.4 15.8 23.6

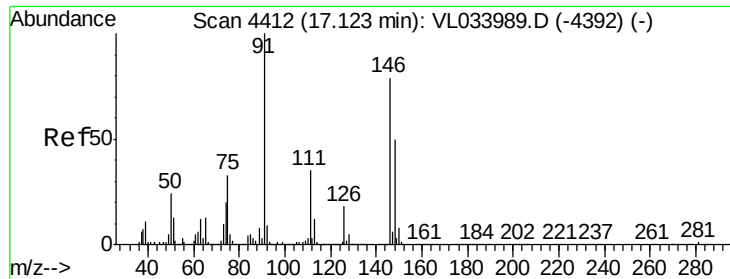


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V

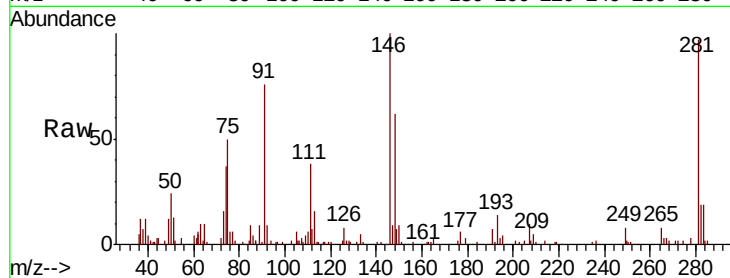




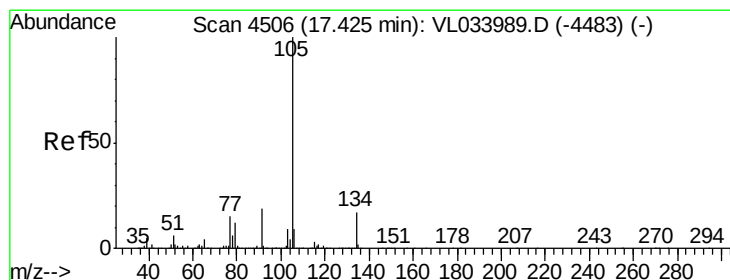
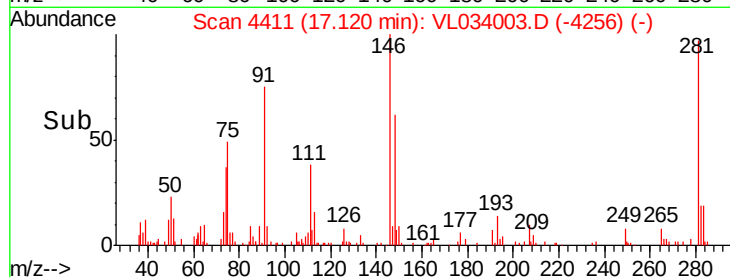
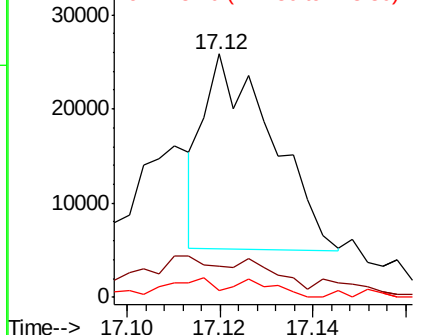
#66
Benzvl Chloride
Concen: 0.117 ppbv
RT: 17.12 min Scan# 4411
Delta R.T. -0.00 min
Lab File: VL034003.D
Acq: 3 Jul 2019 3:10

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 91 Resp: 20917
Ion Ratio Lower Upper
91 100
126 49.4 13.9 20.9#
128 15.3 4.6 7.0#

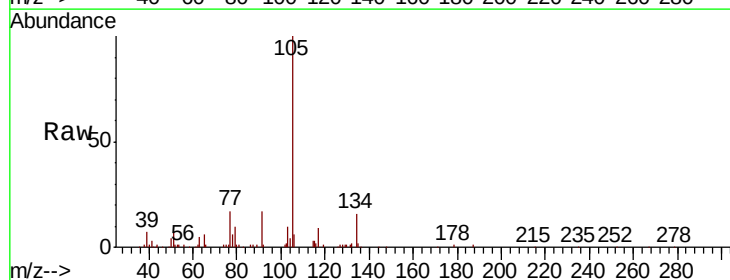


Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 126.10 (125.80 to 126.80): V
Ion 128.10 (127.80 to 128.80): V

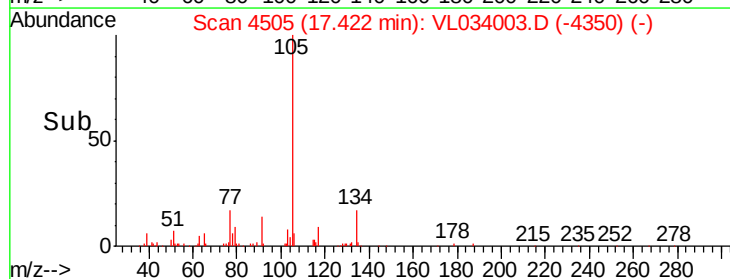
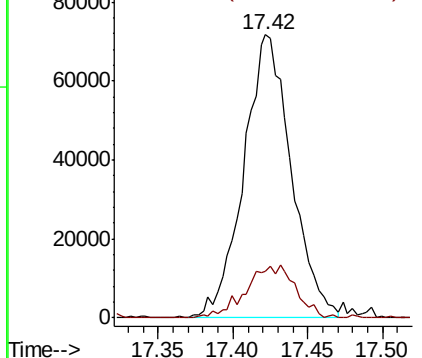


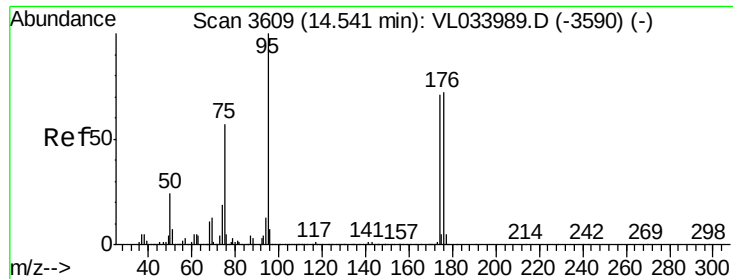
#67
sec-Butylbenzene
Concen: 0.325 ppbv
RT: 17.42 min Scan# 4505
Delta R.T. -0.00 min
Lab File: VL034003.D
Acq: 3 Jul 2019 3:10

Tgt Ion:105 Resp: 158958
Ion Ratio Lower Upper
105 100
134 19.2 14.7 22.1



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 134.20 (133.90 to 134.90): V

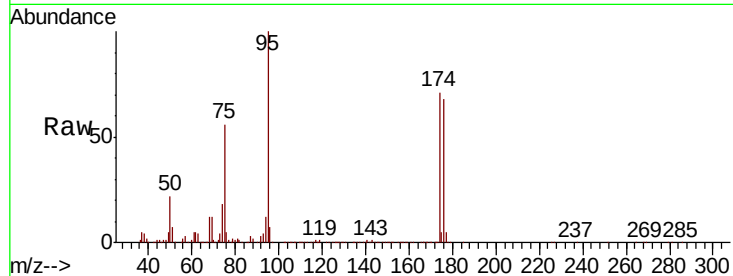




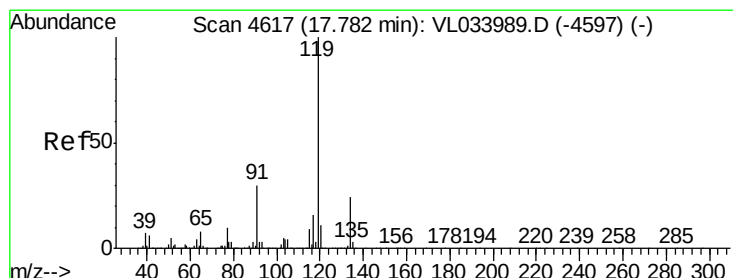
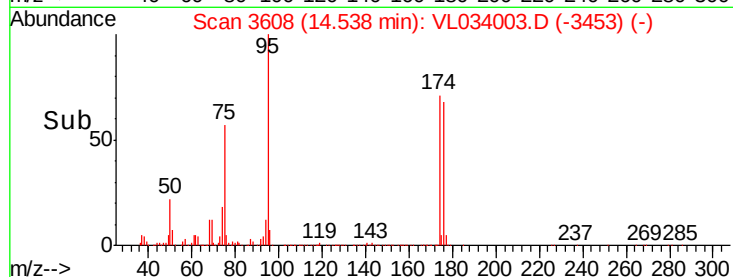
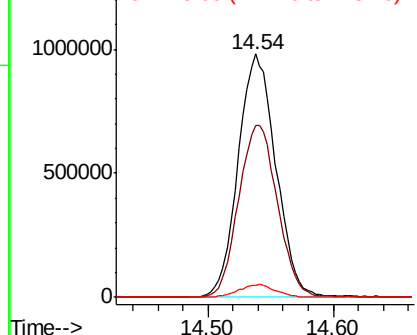
#68
1-Bromo-4-Fluorobenzene
Concen: 9.841 ppbv
RT: 14.54 min Scan# 3608
Delta R.T. -0.00 min
Lab File: VL034003.D
Acq: 3 Jul 2019 3:10

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 95 Resp: 2052577
Ion Ratio Lower Upper
95 100
174 73.5 60.5 90.7
175 5.2 4.0 6.0

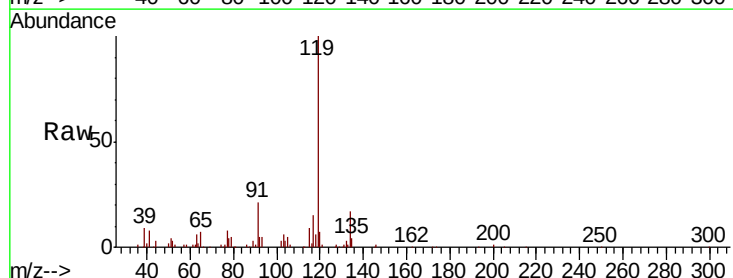


Abundance Ion 95.10 (94.80 to 95.80): VL0
Ion 174.00 (173.70 to 174.70): V
Ion 175.00 (174.70 to 175.70): V

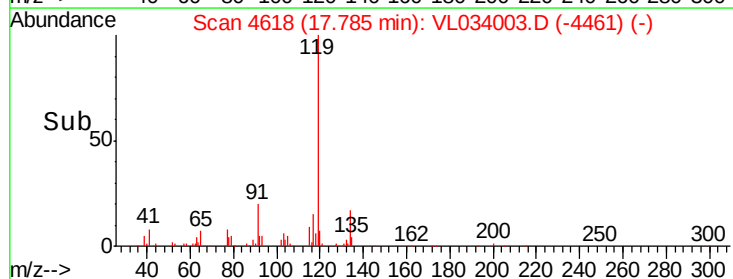
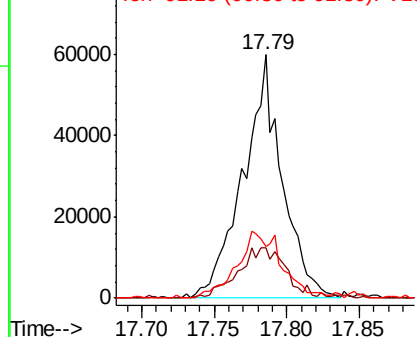


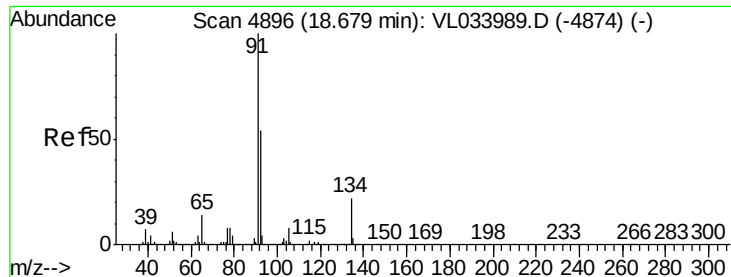
#69
p-Isopropyltoluene
Concen: 0.277 ppbv
RT: 17.79 min Scan# 4618
Delta R.T. 0.00 min
Lab File: VL034003.D
Acq: 3 Jul 2019 3:10

Tgt Ion: 119 Resp: 111694
Ion Ratio Lower Upper
119 100
134 26.1 20.1 30.1
91 31.4 23.6 35.4



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): VL0

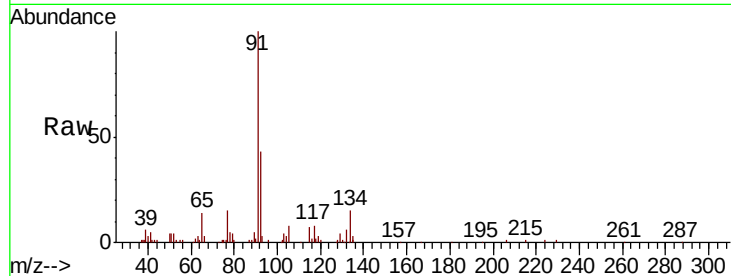




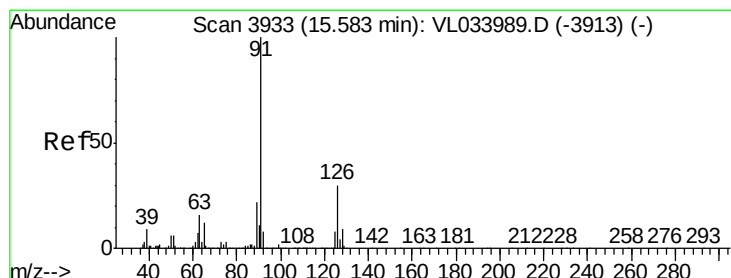
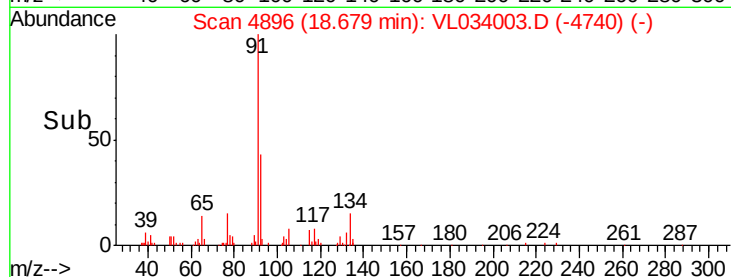
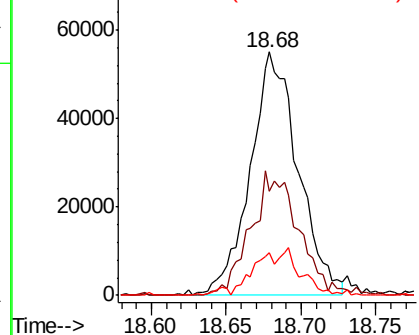
#70
n-Butylbenzene
Concen: 0.290 ppbv
RT: 18.68 min Scan# 4896
Delta R.T. 0.00 min
Lab File: VL034003.D
Acq: 3 Jul 2019 3:10

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	42.0	63.0
134	18.7	17.9	26.9

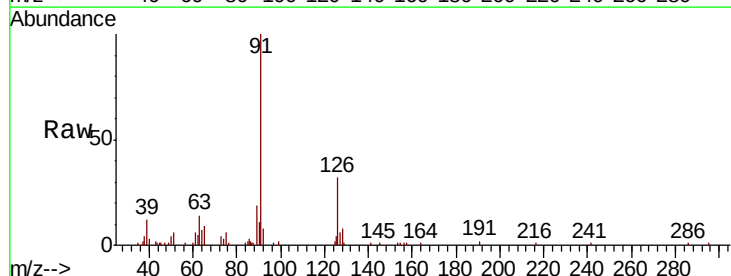


Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 92.10 (91.80 to 92.80): VL0
Ion 134.20 (133.90 to 134.90): V

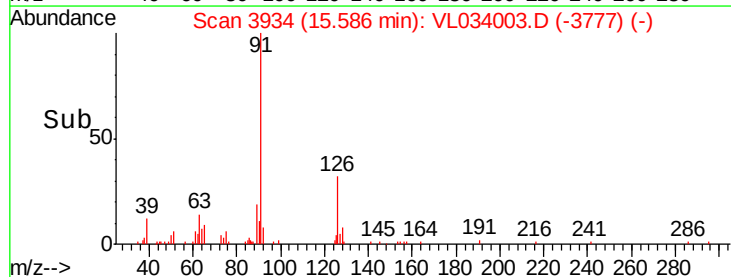
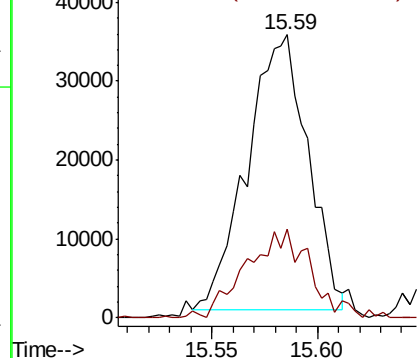


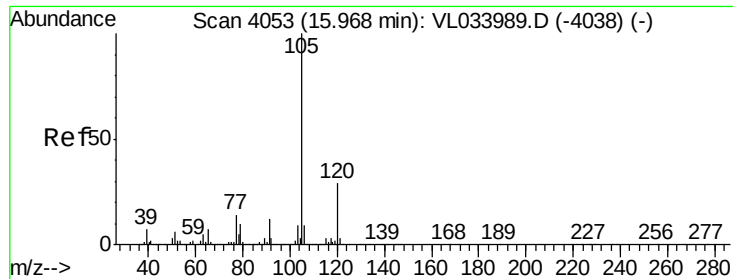
#71
2-Chlorotoluene
Concen: 0.232 ppbv
RT: 15.59 min Scan# 3934
Delta R.T. 0.00 min
Lab File: VL034003.D
Acq: 3 Jul 2019 3:10

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.1	12.3	49.3



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 126.10 (125.80 to 126.80): V





#72

4-Ethyltoluene

Concen: 0.099 ppbv

RT: 15.97 min Scan# 4053

Delta R.T. 0.00 min

Lab File: VL034003.D

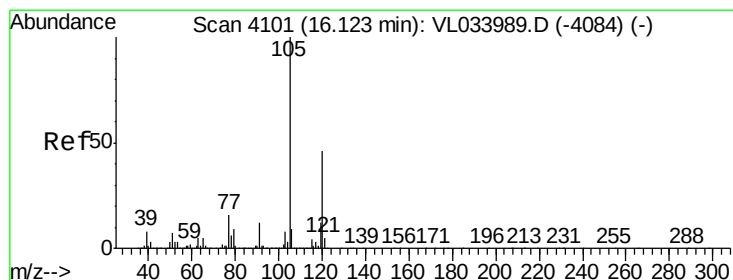
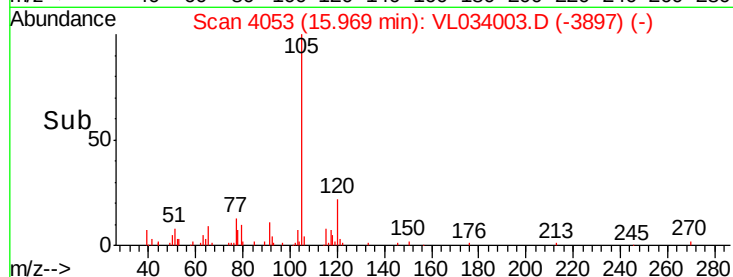
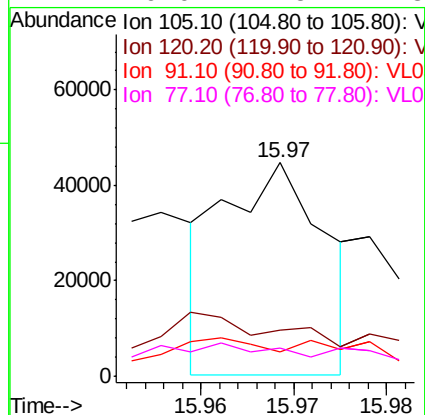
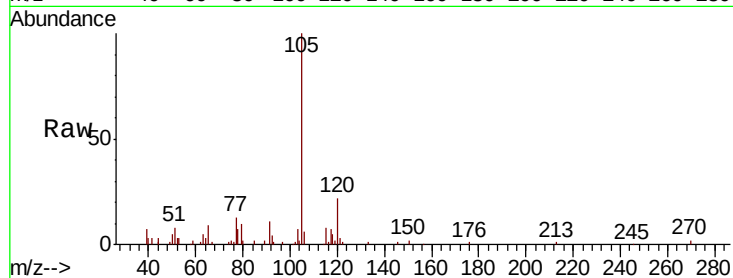
Acq: 3 Jul 2019 3:10

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:105	Resp:	33717
Ion Ratio	Lower	Upper
105	100	
120	0.0	24.1 36.1#
91	0.0	10.6 16.0#
77	0.0	11.5 17.3#



#73

1,3,5-Trimethylbenzene

Concen: 0.280 ppbv

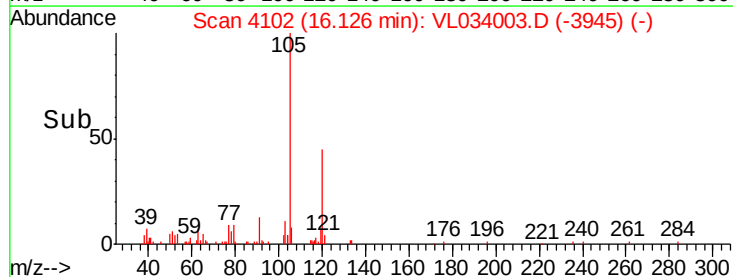
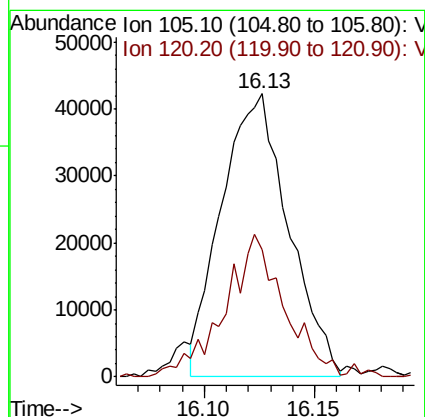
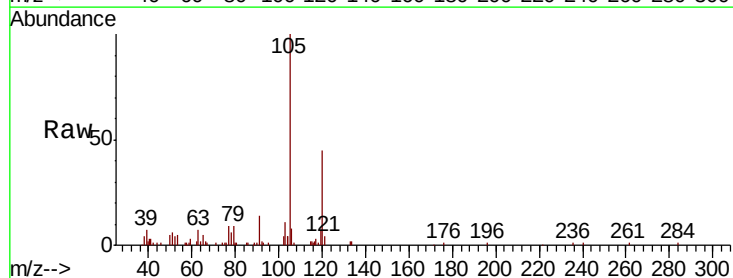
RT: 16.13 min Scan# 4102

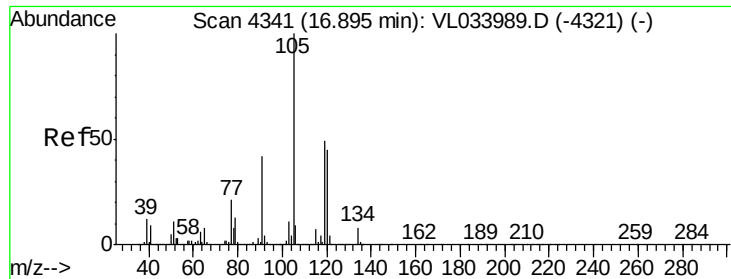
Delta R.T. 0.00 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Tgt Ion:105	Resp:	88964
Ion Ratio	Lower	Upper
105	100	
120	45.2	36.4 54.6

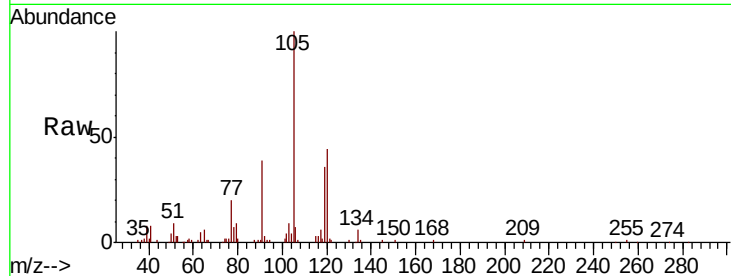




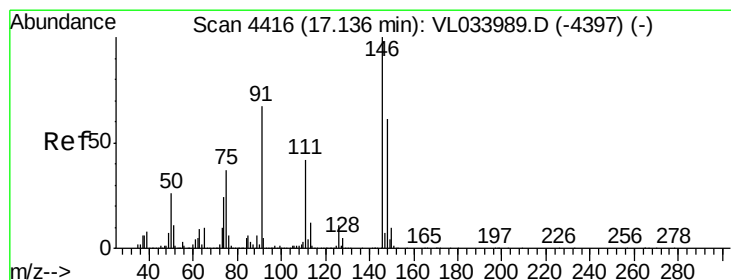
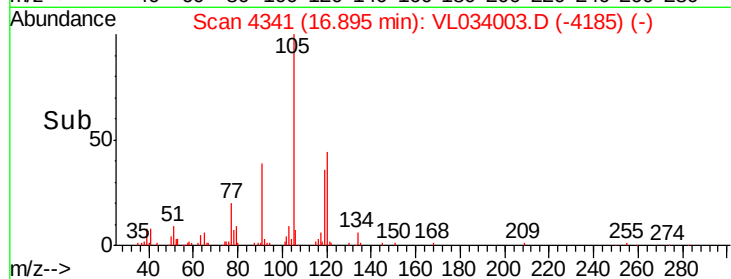
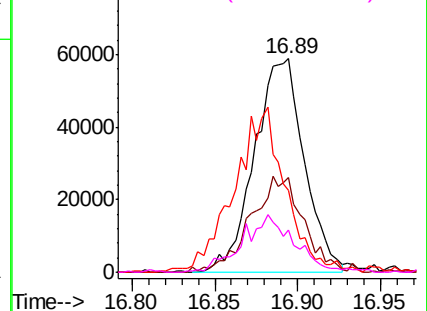
#74
 1,2,4-Trimethylbenzene
 Concen: 0.348 ppbv
 RT: 16.89 min Scan# 4341
 Delta R.T. 0.00 min
 Lab File: VL034003.D
 Acq: 3 Jul 2019 3:10

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:105	Resp:	122816
Ion Ratio	Lower	Upper
105	100	
120	43.2	36.2 54.2
91	37.0	34.3 51.5
77	19.2	17.1 25.7

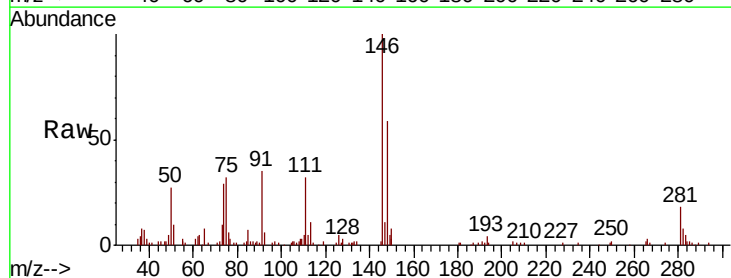


Abundance Ion 105.10 (104.80 to 105.80): V
 Ion 120.20 (119.90 to 120.90): V
 Ion 91.10 (90.80 to 91.80): VL0
 Ion 77.10 (76.80 to 77.80): VL0

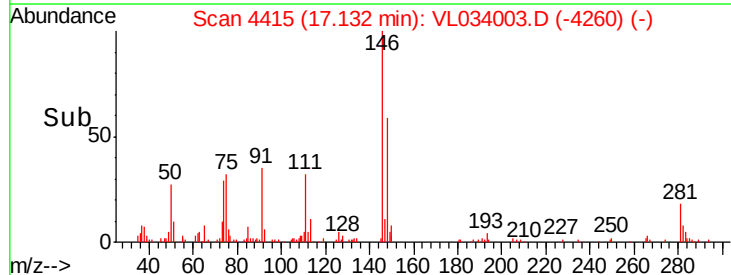
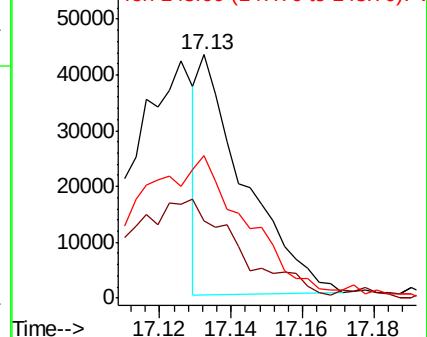


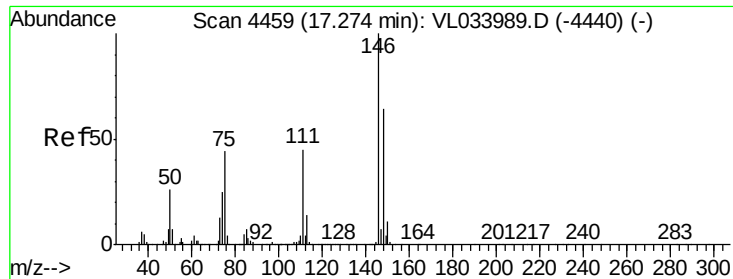
#75
 1,3-Dichlorobenzene
 Concen: 0.171 ppbv
 RT: 17.13 min Scan# 4415
 Delta R.T. -0.00 min
 Lab File: VL034003.D
 Acq: 3 Jul 2019 3:10

Tgt Ion:146	Resp:	38252
Ion Ratio	Lower	Upper
146	100	
111	111.2	22.3 66.9#
148	158.0	32.0 96.2#



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

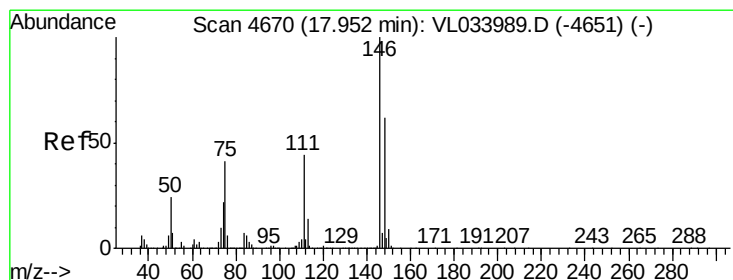
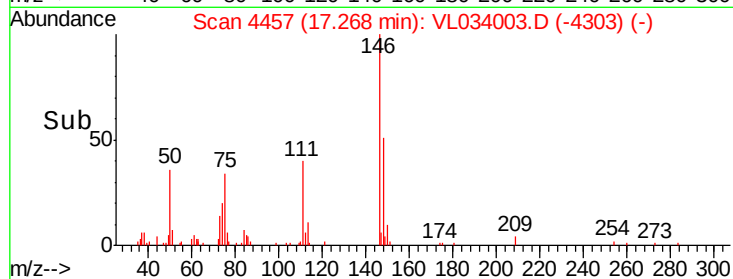
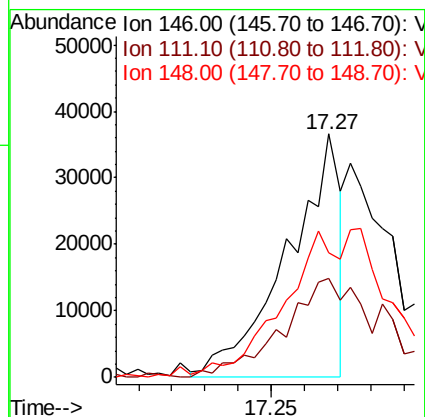
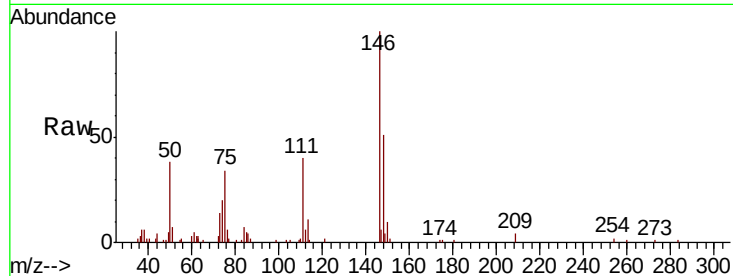




#76
 1,4-Dichlorobenzene
 Concen: 0.192 ppbv
 RT: 17.27 min Scan# 4457
 Delta R.T. -0.01 min
 Lab File: VL034003.D
 Acq: 3 Jul 2019 3:10

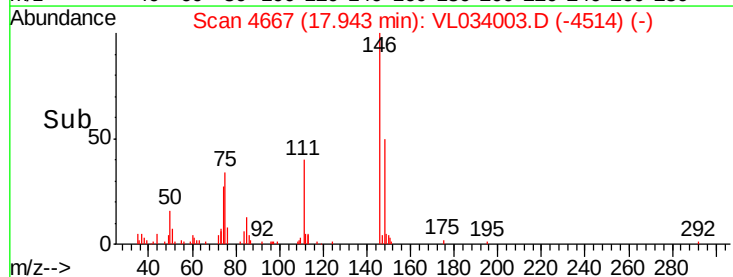
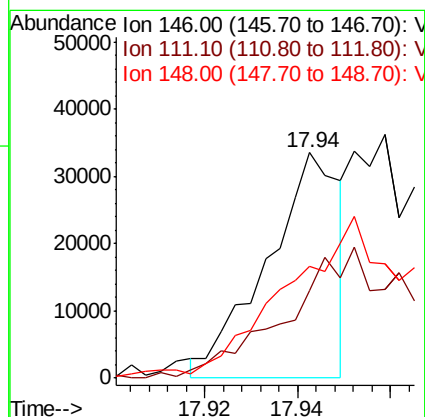
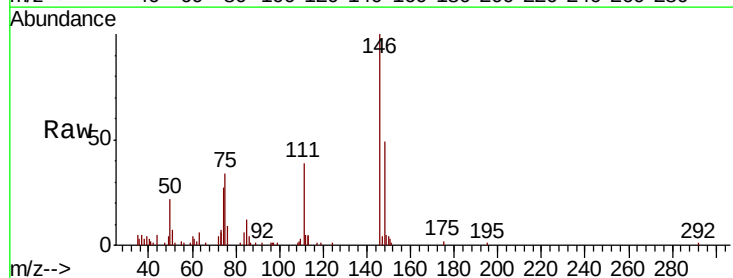
Instrument :
 MSVOA_L
 ClientSampled :

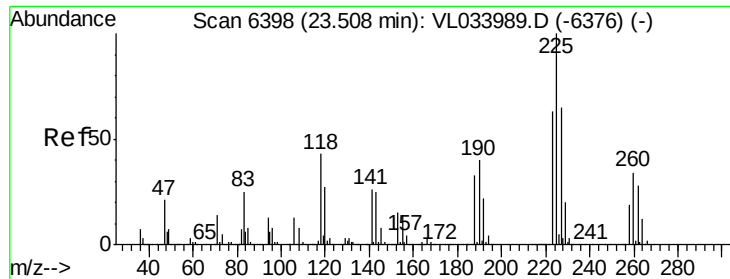
Tot Ion:146 Resp: 40490
 Ion Ratio Lower Upper
 146 100
 111 82.0 21.9 65.5#
 148 0.0 32.5 97.5#



#77
 1,2-Dichlorobenzene
 Concen: 0.176 ppbv
 RT: 17.94 min Scan# 4667
 Delta R.T. -0.01 min
 Lab File: VL034003.D
 Acq: 3 Jul 2019 3:10

Tgt Ion:146 Resp: 36404
 Ion Ratio Lower Upper
 146 100
 111 0.0 22.7 68.1#
 148 0.0 32.1 96.3#





#78

Hexachloro-1,3-Butadiene

Concen: 0.437 ppbv

RT: 23.51 min Scan# 6399

Delta R.T. 0.00 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Instrument :

MSVOA_L

ClientSampleId :

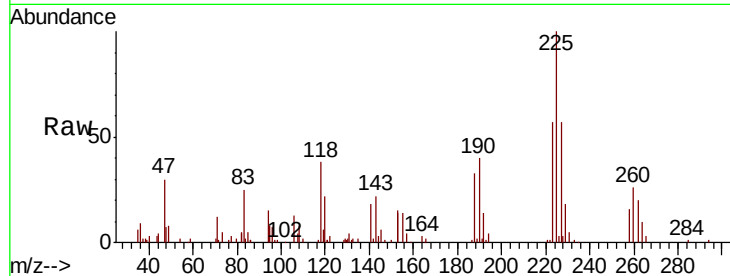
Tot Ion:225 Resp: 77068

Ion Ratio Lower Upper

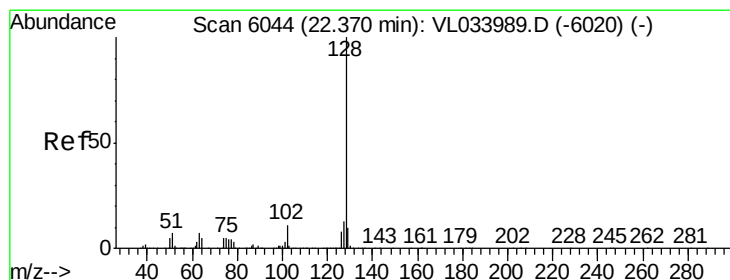
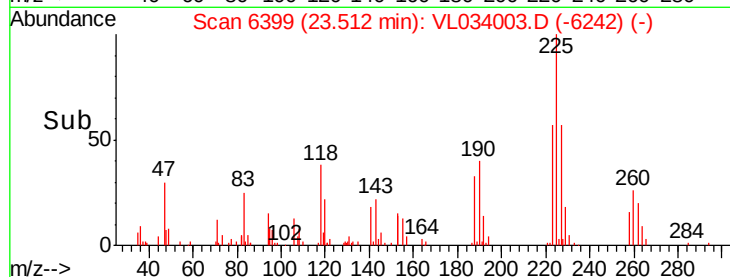
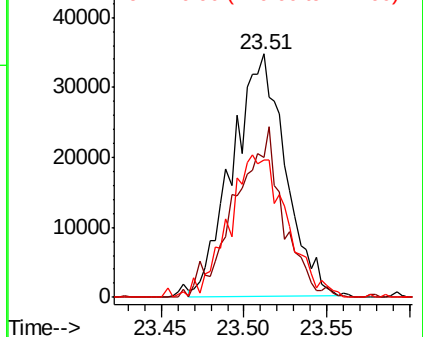
225 100

223 63.2 51.5 77.3

227 64.7 52.1 78.1



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: 0.062 ppbv

RT: 22.36 min Scan# 6041

Delta R.T. -0.01 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

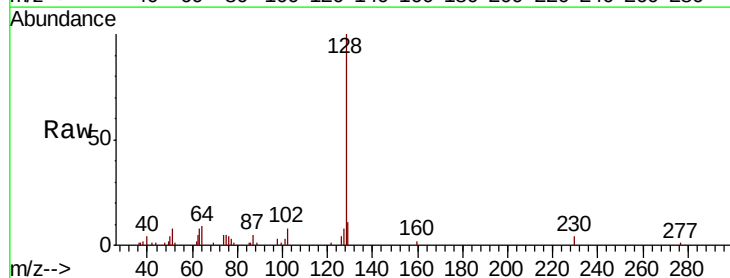
Tgt Ion:128 Resp: 18395

Ion Ratio Lower Upper

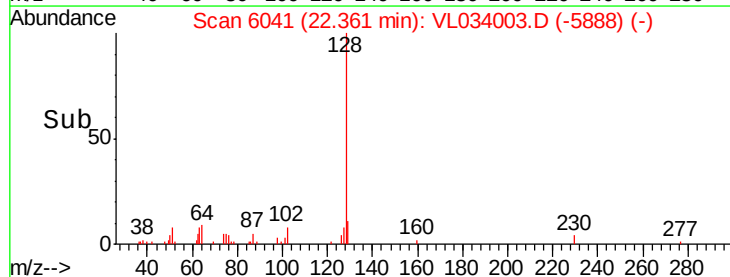
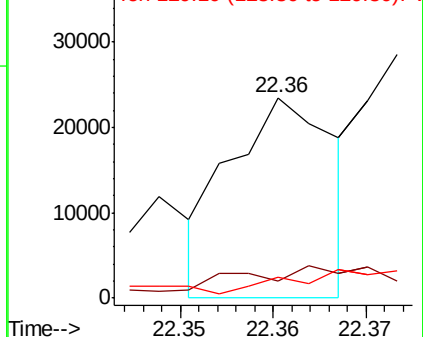
128 100

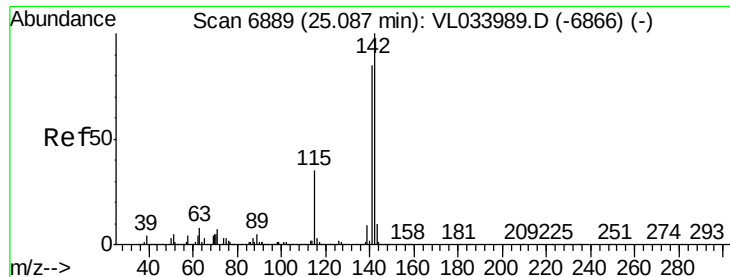
127 7.2 10.6 15.8#

129 7.5 8.3 12.5#



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: 0.269 ppbv

RT: 25.08 min Scan# 6887

Delta R.T. -0.01 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Instrument :

MSVOA_L

ClientSampleId :

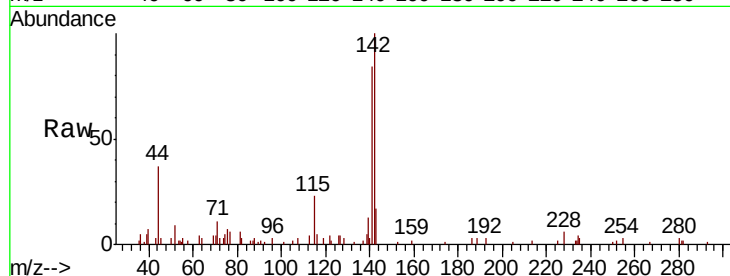
Tot Ion:142 Resp: 28980

Ion Ratio Lower Upper

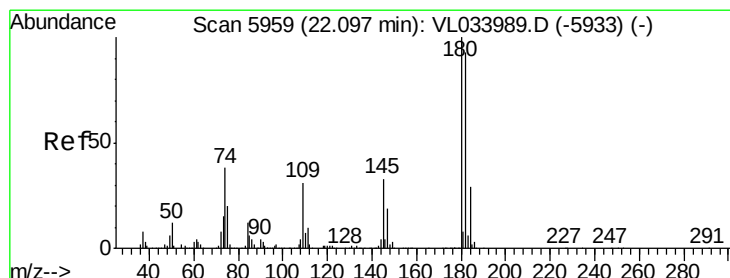
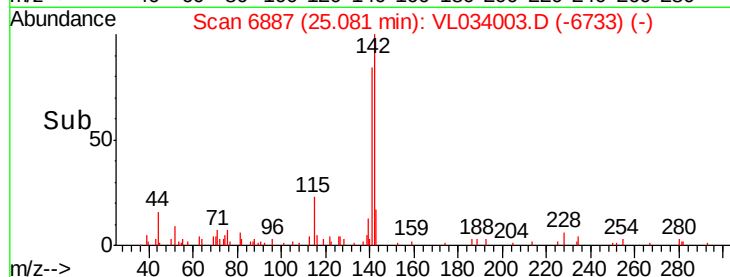
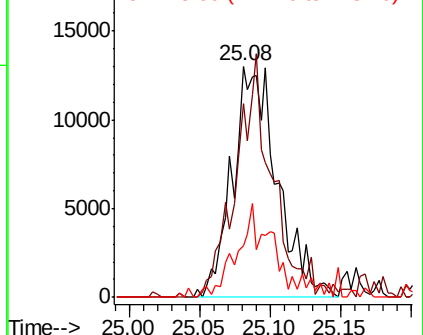
142 100

141 84.9 68.2 102.2

115 33.9 29.9 44.9



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: 0.147 ppbv

RT: 22.09 min Scan# 5958

Delta R.T. -0.00 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

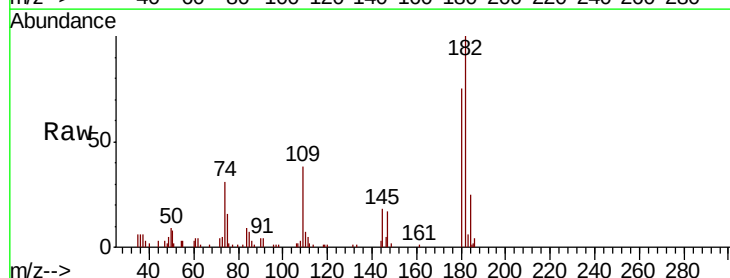
Tgt Ion:180 Resp: 28067

Ion Ratio Lower Upper

180 100

182 201.5 76.6 114.8#

184 64.3 24.6 36.8#



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 184.00 (183.70 to 184.70): V

