

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL010419\
 Data File : VL033084.D
 Acq On : 5 Jan 2019 1:40
 Operator : SY/AP
 Sample : VL0104ABS01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0104ABS01

Quant Time: Jan 05 03:19:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL010419AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jan 04 16:09:05 2019
 QLast Update : Fri Jan 04 16:09:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1074422	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	2650478	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3197108	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2015719	8.22	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.20%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.08	85	2555381	12.780	ppbv	100
3) Chlorodifluoromethane	3.02	51	1375098	11.306	ppbv	99
4) Chloromethane	3.17	50	740101	10.624	ppbv	98
5) Vinyl Chloride	3.29	62	759891	10.801	ppbv	95
6) Bromomethane	3.52	94	494884	10.355	ppbv	99
7) Chloroethane	3.60	64	277110	10.072	ppbv	99
8) Dichlorotetrafluoroethane	3.22	85	1964028	11.403	ppbv	100
9) Propene	3.04	41	527253	11.605	ppbv	100
10) Heptane	8.26	43	1241979	9.601	ppbv	100
11) Trichlorofluoromethane	4.01	101	1903312	8.614	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1275581	9.130	ppbv	99
13) Ethanol	3.65	45	134643	7.431	ppbv	96
14) Bromoethene	3.79	108	582988	9.448	ppbv	99
15) Acetone	3.90	43	1189559	7.999	ppbv	100
16) 1,3-Butadiene	3.36	39	648495	11.564	ppbv	99
17) tert-Butyl alcohol	4.36	59	279480	8.872	ppbv	99
18) 1,1-Dichloroethene	4.35	96	576102	8.952	ppbv	91
19) Isopropyl Alcohol	4.02	45	824224	8.051	ppbv	99
20) Methylene Chloride	4.41	84	500657	8.076	ppbv	98
21) Allyl Chloride	4.48	41	901114	9.778	ppbv	98
22) trans-1,2-Dichloroethene	4.97	96	594214	9.315	ppbv	100
23) Vinyl Acetate	5.16	43	1814250	9.590	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1436970	8.946	ppbv	99
25) Ethyl Acetate	5.77	43	2189889	8.712	ppbv	99
26) Hexane	5.79	57	1022479	8.638	ppbv	99
27) Carbon Disulfide	4.62	76	1467781	10.055	ppbv	99
28) Methyl tert-Butyl Ether	5.12	73	1731063	9.370	ppbv	100
29) Chloroform	5.85	83	1777766	8.813	ppbv	99
30) Cyclohexane	7.26	84	857478	9.716	ppbv	98
31) cis-1,2-Dichloroethene	5.65	61	1070585	9.741	ppbv	99
32) 1,1,1-Trichloroethane	6.63	97	1872573	9.147	ppbv	99
34) 2-Butanone	5.33	43	1389309	9.021	ppbv	99
35) Carbon Tetrachloride	7.14	117	2020447	8.875	ppbv	97
36) Benzene	7.01	78	2025146	9.328	ppbv	99
37) 1,2-Dichloroethane	6.42	62	1381054	9.111	ppbv	99
38) Trichloroethene	7.97	130	866656	9.703	ppbv	94
39) 1,2-Dichloropropane	7.74	63	753933	9.244	ppbv	98
40) 1,4-Dioxane	7.96	88	277875	8.975	ppbv	93
41) Tetrahydrofuran	6.15	42	757632	9.666	ppbv	99
42) Bromodichloromethane	7.92	83	1894344	9.097	ppbv	99
43) Methyl Methacrylate	8.15	69	822153	10.092	ppbv	98

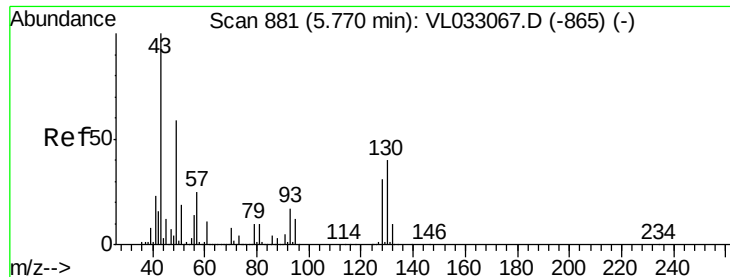
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL010419\
 Data File : VL033084.D
 Acq On : 5 Jan 2019 1:40
 Operator : SY/AP
 Sample : VL0104ABS01
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Quant Time: Jan 05 03:19:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL010419AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jan 04 16:09:05 2019
 QLast Update : Fri Jan 04 16:09:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	3446129	9.373	ppbv	99
45) t-1,3-Dichloropropene	9.43	75	1111521	10.961	ppbv	100
46) cis-1,3-Dichloropropene	8.84	75	1269297	10.966	ppbv	95
47) 1,1,2-Trichloroethane	9.62	97	845772	8.876	ppbv	97
48) Dibromochloromethane	10.46	129	1604869	9.532	ppbv	100
49) Bromoform	13.21	173	1331477	9.052	ppbv	100
50) 4-Methyl-2-Pentanone	8.88	43	1961304	10.051	ppbv	100
51) 2-Hexanone	10.28	43	1481462	10.492	ppbv #	99
52) Tetrachloroethene	11.38	164	726177	9.462	ppbv	97
53) Toluene	9.96	91	2392039	10.281	ppbv	100
54) 1,2-Dibromoethane	10.77	107	1318218	9.601	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.29	131	1154045	6.986	ppbv	99
57) Chlorobenzene	12.31	112	1853040	6.944	ppbv	99
58) Ethyl Benzene	12.88	91	3273307	8.109	ppbv	98
59) m/p-Xylene	13.13	91	2592470	6.943	ppbv #	100
60) o-Xylene	13.86	91	2667015	7.296	ppbv	99
61) Styrene	13.69	104	1954890	8.381	ppbv	99
62) Isopropylbenzene	14.84	105	3734690	7.179	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.85	83	1783615	6.568	ppbv	99
64) n-propylbenzene	15.73	120	959526	7.260	ppbv	99
65) tert-Butylbenzene	16.92	119	3342040	7.252	ppbv	98
66) Benzyl Chloride	17.17	91	1974047	7.516	ppbv	100
67) sec-Butylbenzene	17.47	105	4730934	7.174	ppbv	100
69) p-Isopropyltoluene	17.83	119	4003757	7.480	ppbv	99
70) n-Butylbenzene	18.73	91	4211125	7.826	ppbv	100
71) 2-Chlorotoluene	15.63	91	2796795	7.580	ppbv	98
72) 4-Ethyltoluene	16.01	105	3056063	7.607	ppbv	99
73) 1,3,5-Trimethylbenzene	16.17	105	2943716	7.426	ppbv	100
74) 1,2,4-Trimethylbenzene	16.94	105	3080599	7.017	ppbv	97
75) 1,3-Dichlorobenzene	17.18	146	1781461	6.894	ppbv	99
76) 1,4-Dichlorobenzene	17.32	146	1741578	7.399	ppbv	100
77) 1,2-Dichlorobenzene	18.00	146	1760064	7.563	ppbv	99
78) Hexachloro-1,3-Butadiene	23.56	225	1098134	6.144	ppbv	99
79) Naphthalene	22.42	128	3671899	9.930	ppbv	98
80) Naphthalene,2-methyl-	25.12	142	873609	7.785	ppbv	98
81) 1,2,4-Trichlorobenzene	22.15	180	1713533	9.592	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 880

Delta R.T. 0.00 min

Lab File: VL033084.D

Acq: 5 Jan 2019 1:40

Instrument :

MSVOA_L

ClientSampleId :

VL0104ABS01

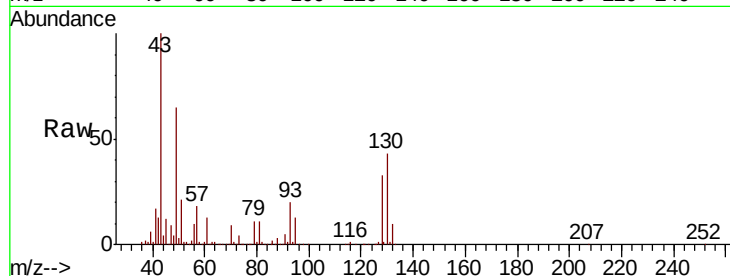
Tgt Ion: 49 Resp: 1074422

Ion Ratio Lower Upper

49 100

128 51.6 26.2 78.5

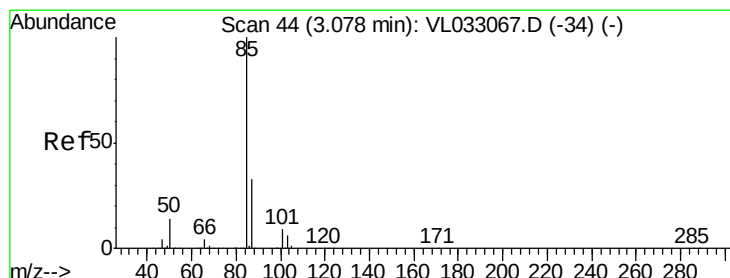
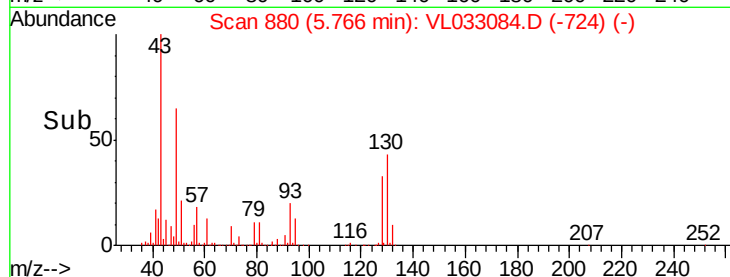
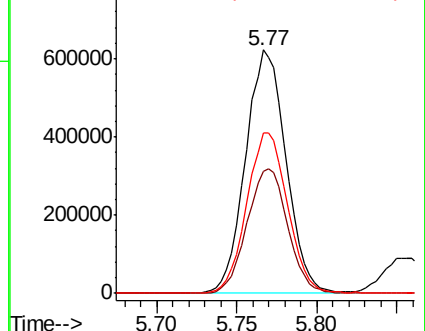
130 67.2 33.6 100.6



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: 12.780 ppbv

RT: 3.08 min Scan# 44

Delta R.T. 0.00 min

Lab File: VL033084.D

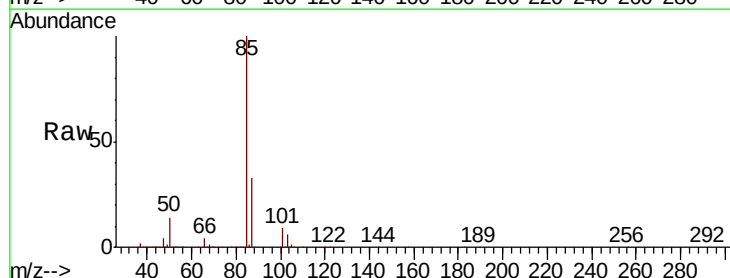
Acq: 5 Jan 2019 1:40

Tgt Ion: 85 Resp: 2555381

Ion Ratio Lower Upper

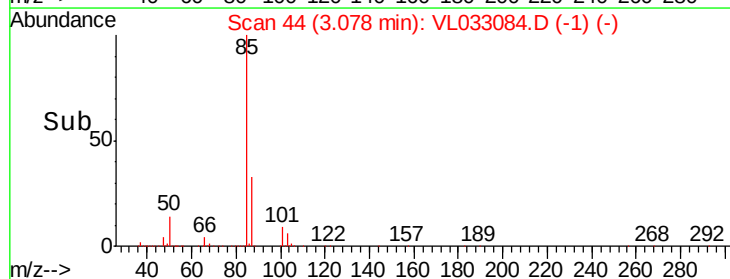
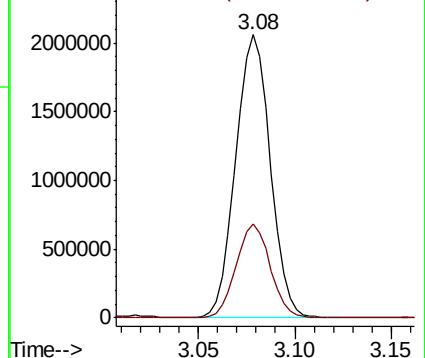
85 100

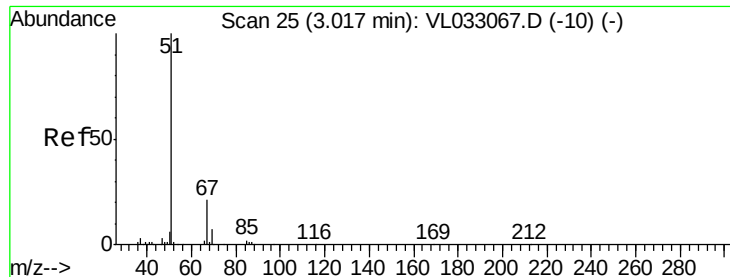
87 33.0 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 11.306 ppbv

RT: 3.02 min Scan# 25

Delta R.T. 0.00 min

Lab File: VL033084.D

Acq: 5 Jan 2019 1:40

Instrument :

MSVOA_L

ClientSampleId :

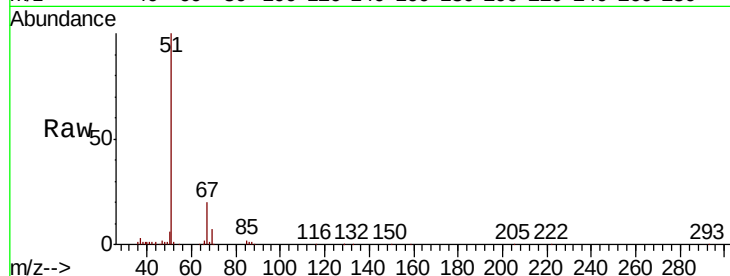
VL0104ABS01

Tgt Ion: 51 Resp: 1375098

Ion Ratio Lower Upper

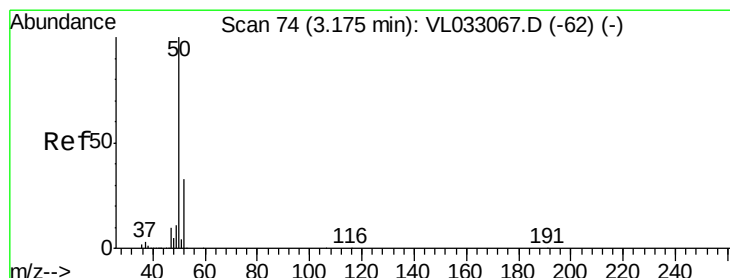
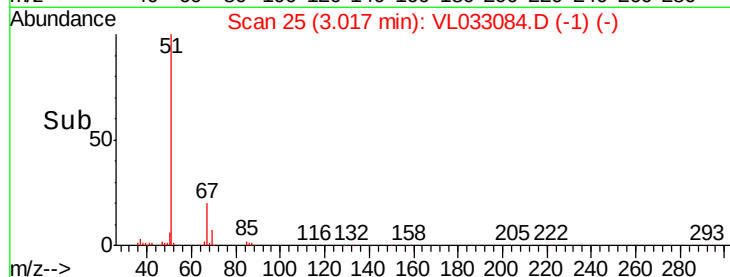
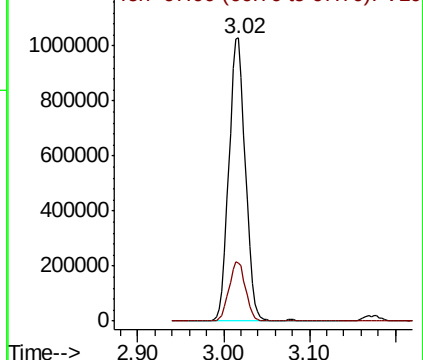
51 100

67 21.1 16.3 24.5



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.624 ppbv

RT: 3.17 min Scan# 73

Delta R.T. 0.00 min

Lab File: VL033084.D

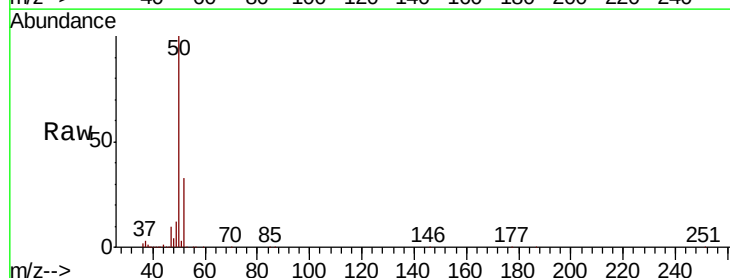
Acq: 5 Jan 2019 1:40

Tgt Ion: 50 Resp: 740101

Ion Ratio Lower Upper

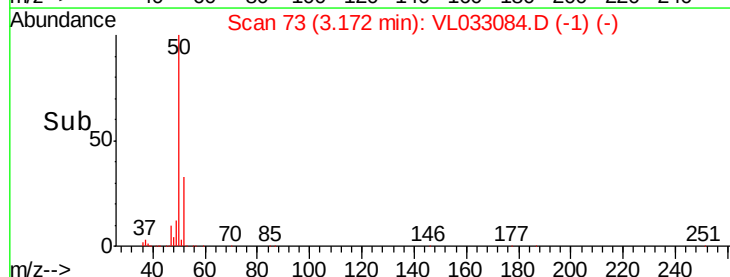
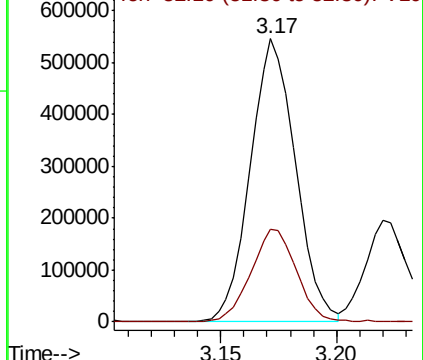
50 100

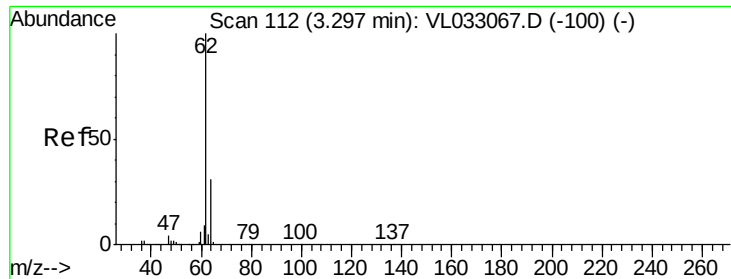
52 32.7 26.9 40.3



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.801 ppbv

RT: 3.29 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL033084.D

Acq: 5 Jan 2019 1:40

Instrument :

MSVOA_L

ClientSampleId :

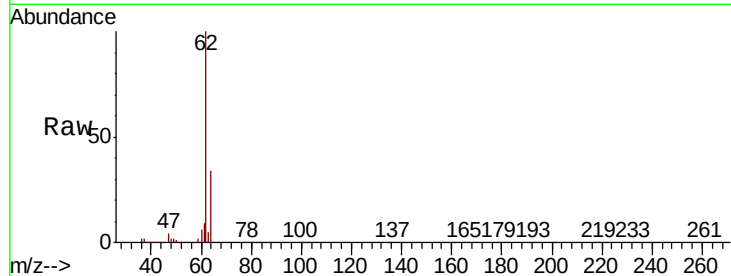
VL0104ABS01

Tgt Ion: 62 Resp: 759891

Ion Ratio Lower Upper

62 100

64 34.2 25.3 37.9



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.29

600000

500000

400000

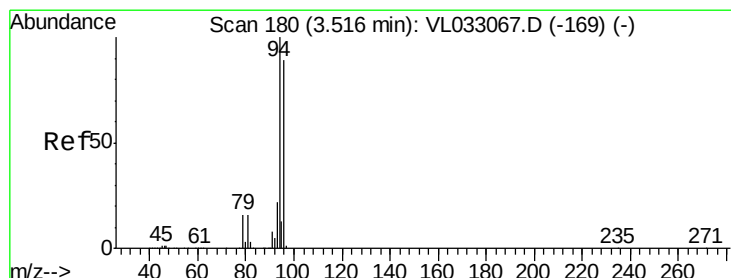
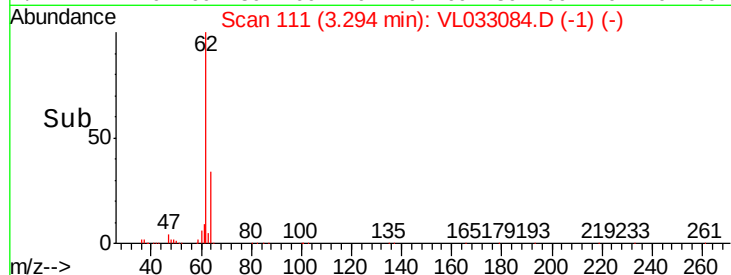
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 10.355 ppbv

RT: 3.52 min Scan# 180

Delta R.T. 0.00 min

Lab File: VL033084.D

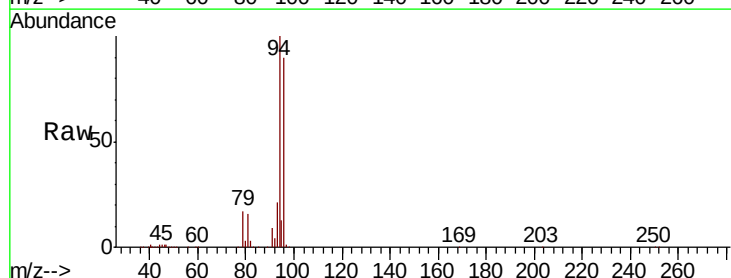
Acq: 5 Jan 2019 1:40

Tgt Ion: 94 Resp: 494884

Ion Ratio Lower Upper

94 100

96 90.3 72.8 109.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.52

400000

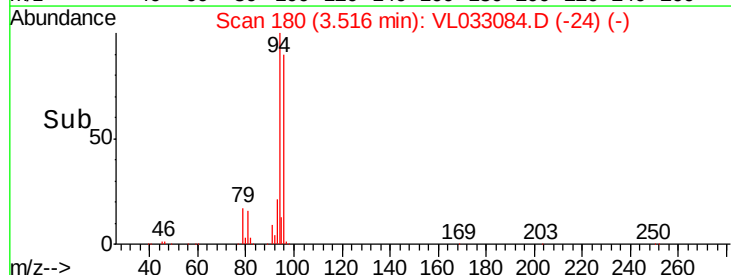
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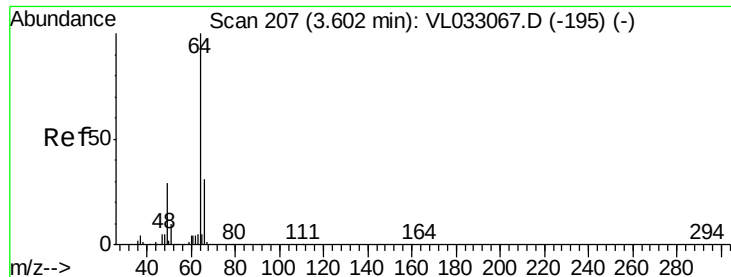
200000

100000

0

Time-->





#7

Chloroethane

Concen: 10.072 ppbv

RT: 3.60 min Scan# 207

Delta R.T. 0.00 min

Lab File: VL033084.D

Acq: 5 Jan 2019 1:40

Instrument :

MSVOA_L

ClientSampleId :

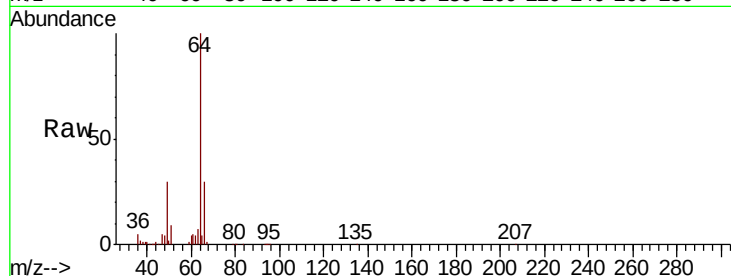
VL0104ABS01

Tgt Ion: 64 Resp: 277110

Ion Ratio Lower Upper

64 100

66 30.1 23.7 35.5



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.60

200000

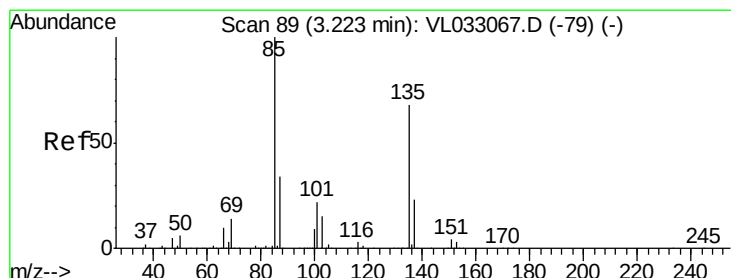
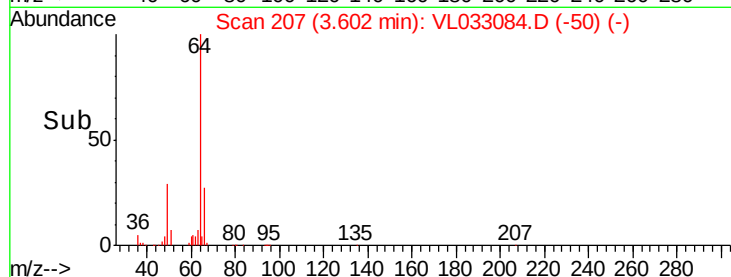
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 11.403 ppbv

RT: 3.22 min Scan# 89

Delta R.T. 0.00 min

Lab File: VL033084.D

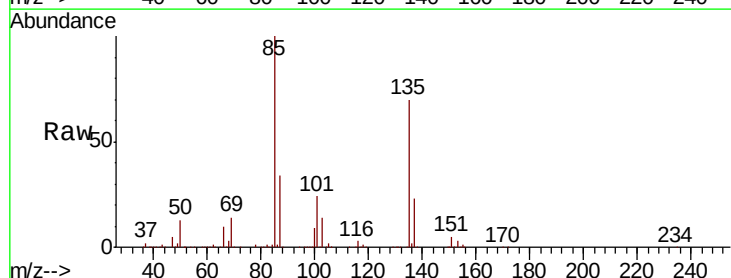
Acq: 5 Jan 2019 1:40

Tgt Ion: 85 Resp: 1964028

Ion Ratio Lower Upper

85 100

135 68.4 54.9 82.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.22

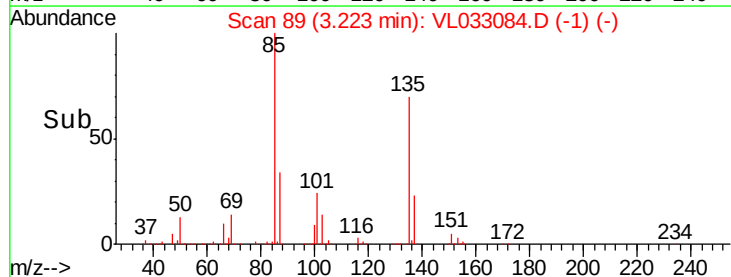
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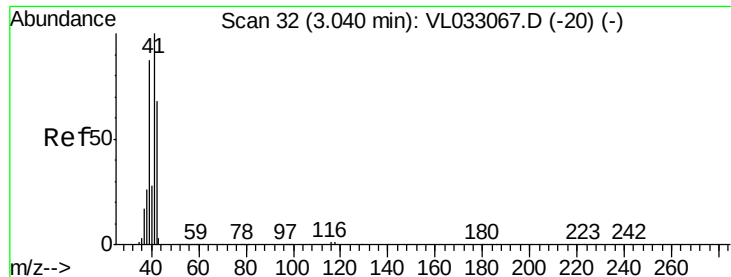
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500000

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Time-->





#9

Propene

Concen: 11.605 ppbv

RT: 3.04 min Scan# 32

Delta R.T. 0.00 min

Lab File: VL033084.D

Acq: 5 Jan 2019 1:40

Instrument :

MSVOA_L

ClientSampleId :

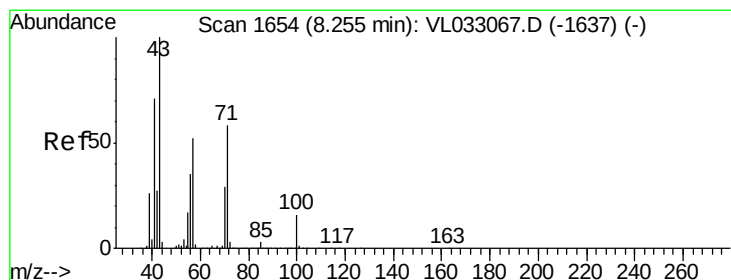
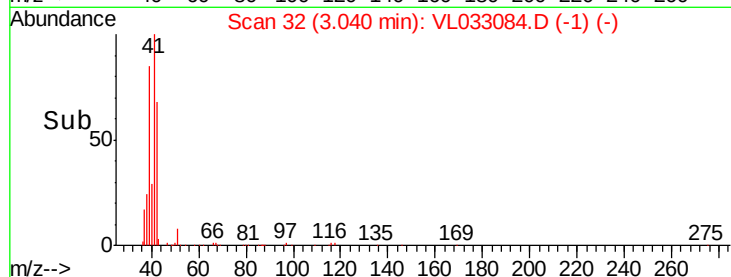
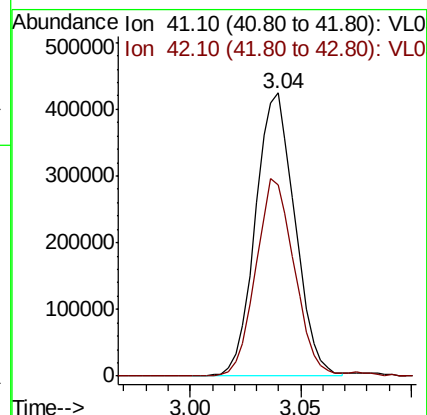
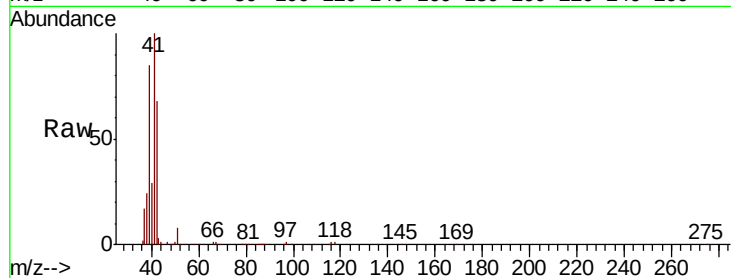
VL0104ABS01

Tgt Ion: 41 Resp: 527253

Ion Ratio Lower Upper

41 100

42 69.2 55.3 82.9



#10

Heptane

Concen: 9.601 ppbv

RT: 8.26 min Scan# 1654

Delta R.T. 0.01 min

Lab File: VL033084.D

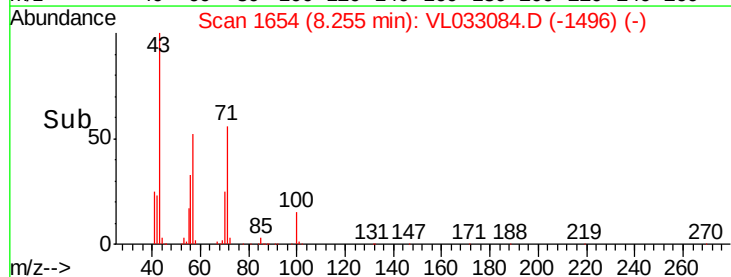
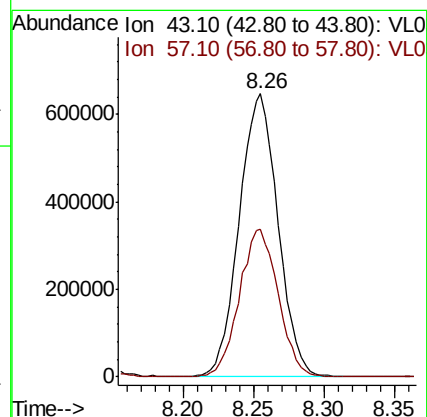
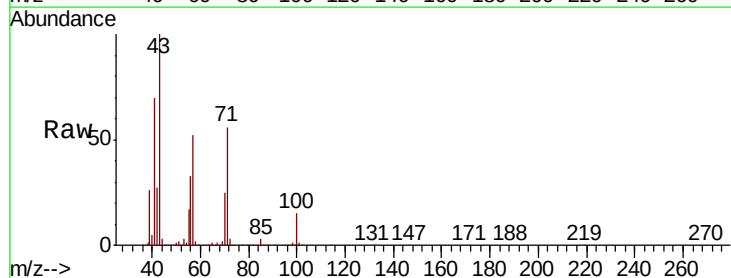
Acq: 5 Jan 2019 1:40

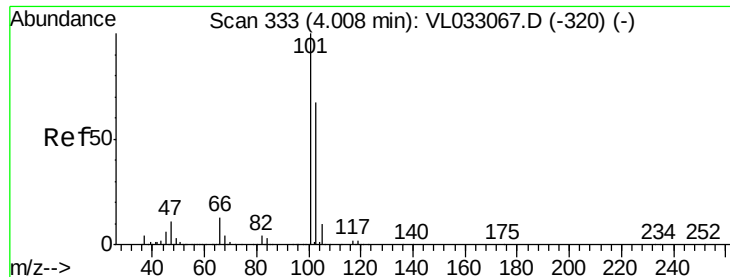
Tgt Ion: 43 Resp: 1241979

Ion Ratio Lower Upper

43 100

57 52.3 41.9 62.9

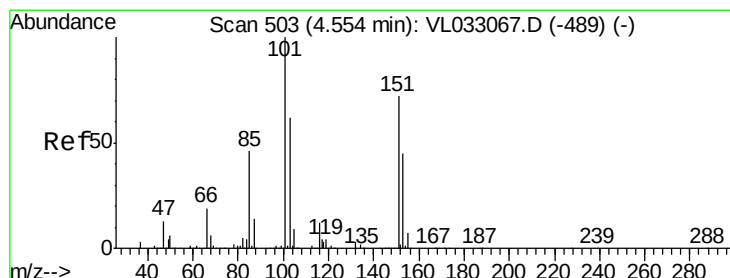
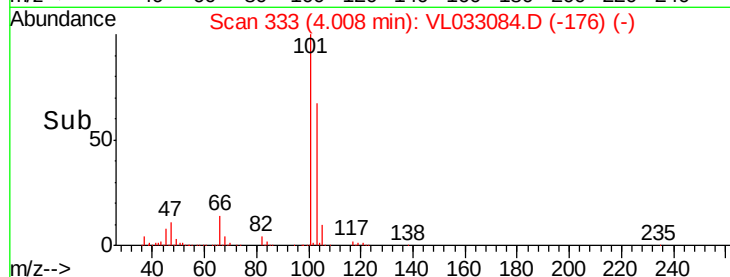
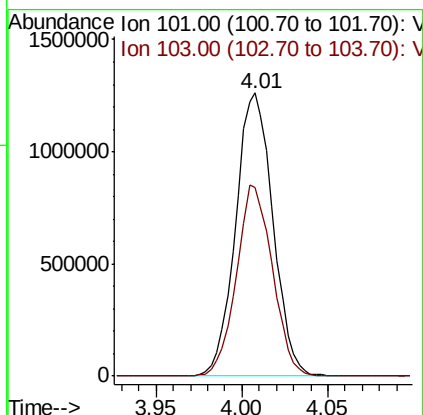
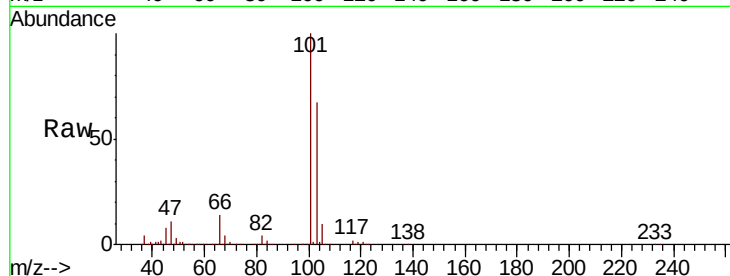




#11
 Trichlorofluoromethane
 Concen: 8.614 ppbv
 RT: 4.01 min Scan# 333
 Delta R.T. 0.00 min
 Lab File: VL033084.D
 Acq: 5 Jan 2019 1:40

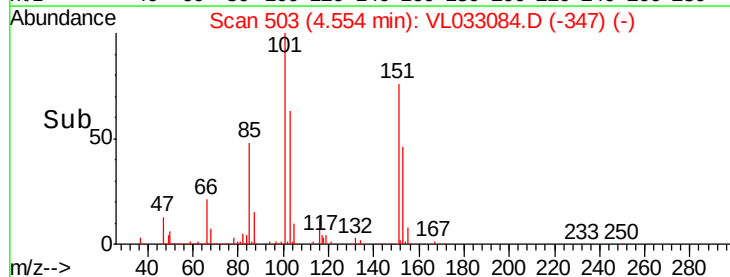
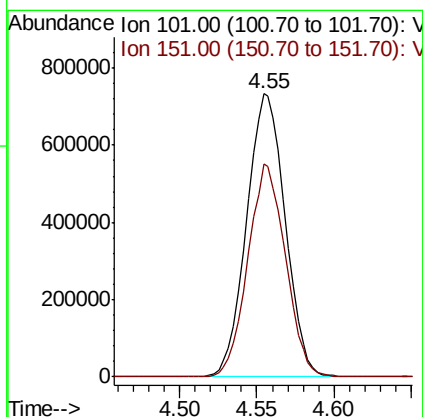
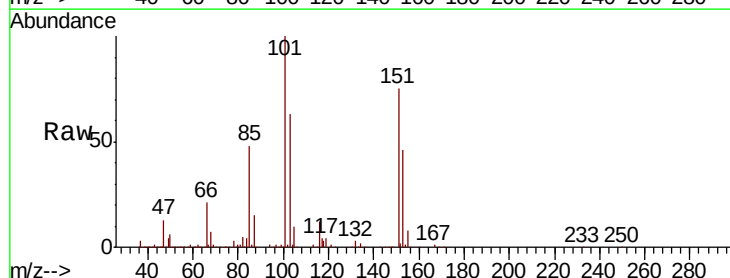
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0104ABS01

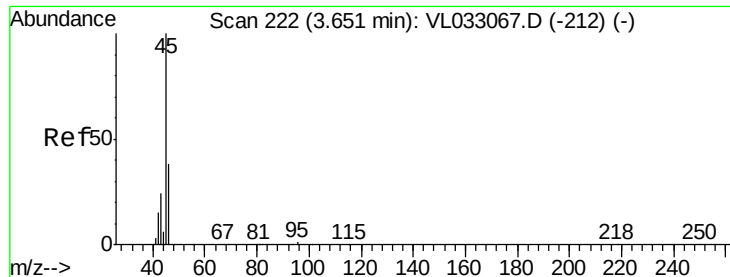
Tgt Ion:101 Resp: 1903312
 Ion Ratio Lower Upper
 101 100
 103 66.7 51.7 77.5



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.130 ppbv
 RT: 4.55 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VL033084.D
 Acq: 5 Jan 2019 1:40

Tgt Ion:101 Resp: 1275581
 Ion Ratio Lower Upper
 101 100
 151 73.4 58.3 87.5





#13

Ethanol

Concen: 7.431 ppbv

RT: 3.65 min Scan# 223

Delta R.T. 0.00 min

Lab File: VL033084.D

Acq: 5 Jan 2019 1:40

Instrument :

MSVOA_L

ClientSampleId :

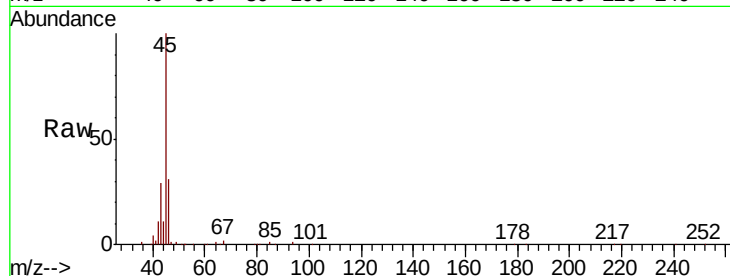
VL0104ABS01

Tgt Ion: 45 Resp: 134643

Ion Ratio Lower Upper

45 100

46 37.0 13.8 55.2



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

3.65

80000

60000

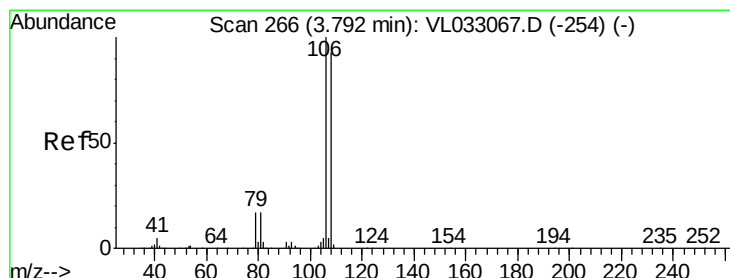
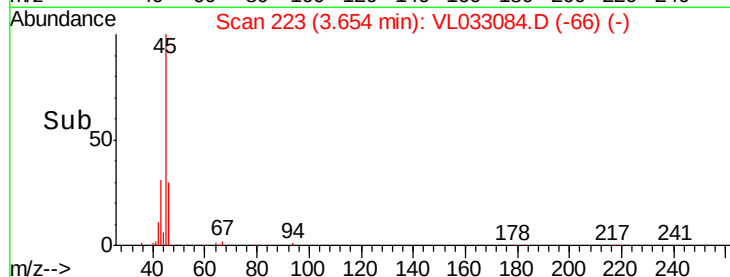
40000

20000

0

Time-->

3.60 3.65 3.70



#14

Bromoethene

Concen: 9.448 ppbv

RT: 3.79 min Scan# 266

Delta R.T. 0.00 min

Lab File: VL033084.D

Acq: 5 Jan 2019 1:40

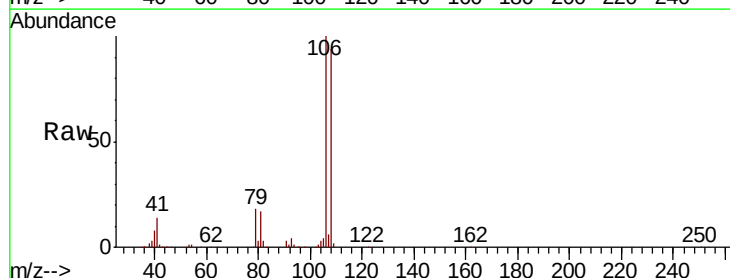
Tgt Ion: 108 Resp: 582988

Ion Ratio Lower Upper

108 100

106 106.4 86.4 129.6

79 17.9 14.3 21.5



Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0

600000

500000

400000

300000

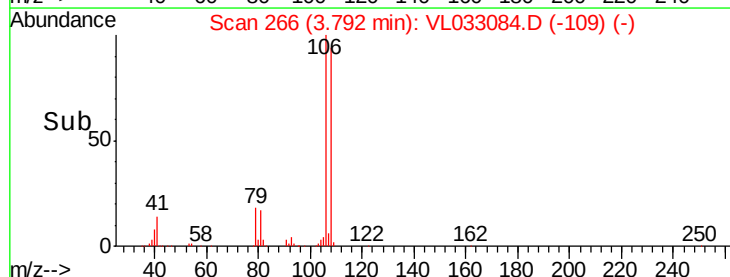
200000

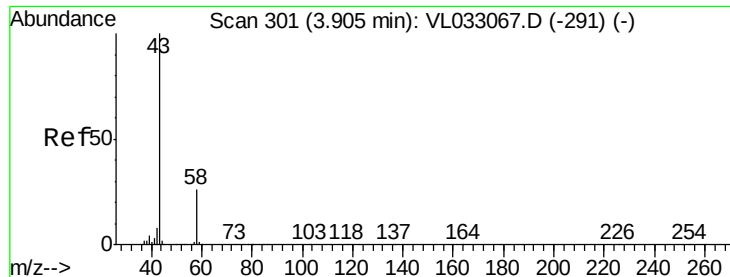
100000

0

Time-->

3.75 3.80 3.85





#15

Acetone

Concen: 7.999 ppbv

RT: 3.90 min Scan# 301

Delta R.T. 0.00 min

Lab File: VL033084.D

Acq: 5 Jan 2019 1:40

Instrument :

MSVOA_L

ClientSampleId :

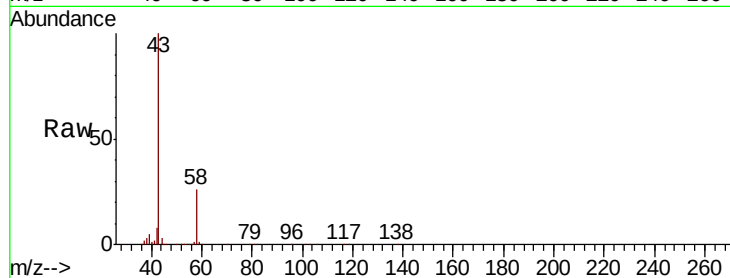
VL0104ABS01

Tgt Ion: 43 Resp: 1189559

Ion Ratio Lower Upper

43 100

58 26.3 21.1 31.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.90

800000

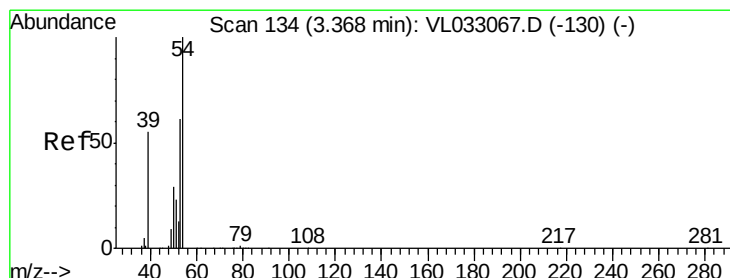
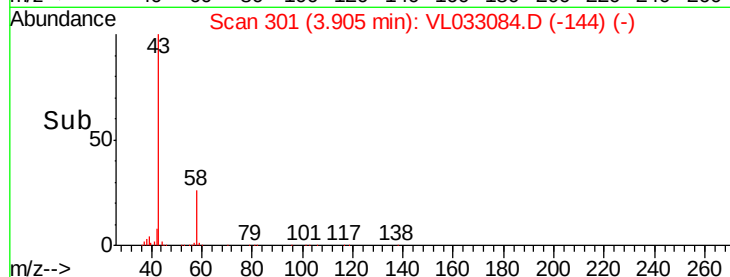
600000

400000

200000

0

Time-->



#16

1,3-Butadiene

Concen: 11.564 ppbv

RT: 3.36 min Scan# 133

Delta R.T. 0.00 min

Lab File: VL033084.D

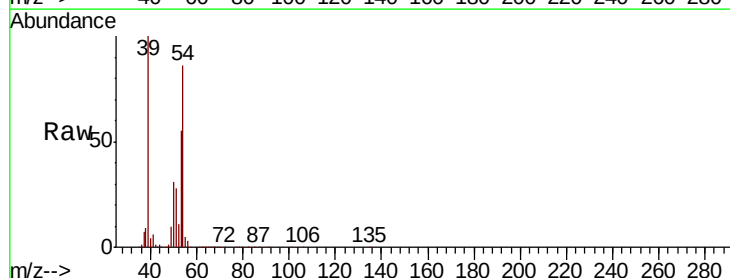
Acq: 5 Jan 2019 1:40

Tgt Ion: 39 Resp: 648495

Ion Ratio Lower Upper

39 100

54 91.3 73.7 110.5



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.36

600000

500000

400000

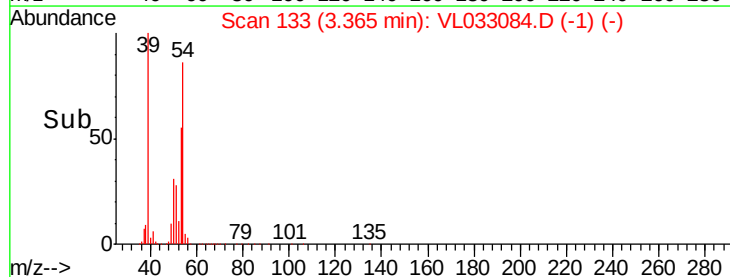
300000

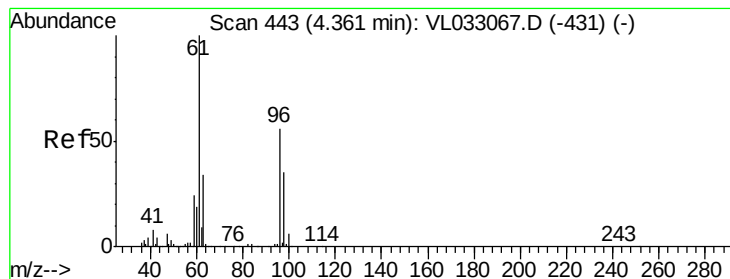
200000

100000

0

Time-->





#17

tert-Butyl alcohol

Concen: 8.872 ppbv

RT: 4.36 min Scan# 443

Delta R.T. 0.00 min

Lab File: VL033084.D

Acq: 5 Jan 2019 1:40

Instrument :

MSVOA_L

ClientSampleId :

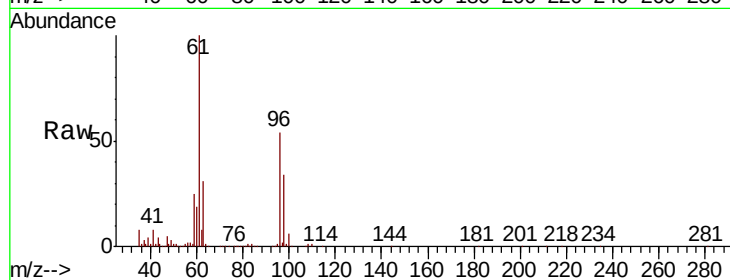
VL0104ABS01

Tgt Ion: 59 Resp: 279480

Ion Ratio Lower Upper

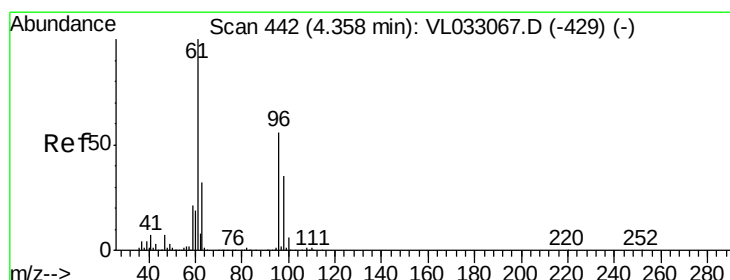
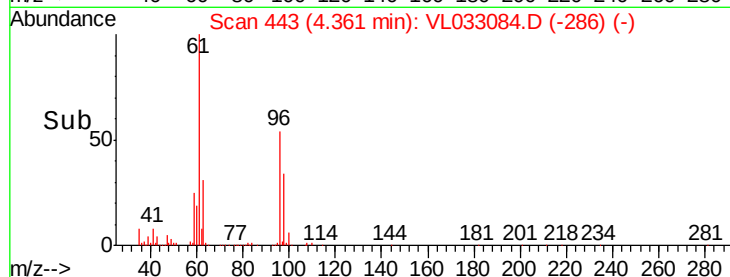
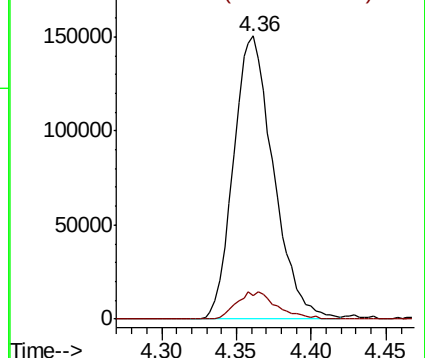
59 100

57 9.8 7.7 11.5



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 8.952 ppbv

RT: 4.35 min Scan# 441

Delta R.T. 0.00 min

Lab File: VL033084.D

Acq: 5 Jan 2019 1:40

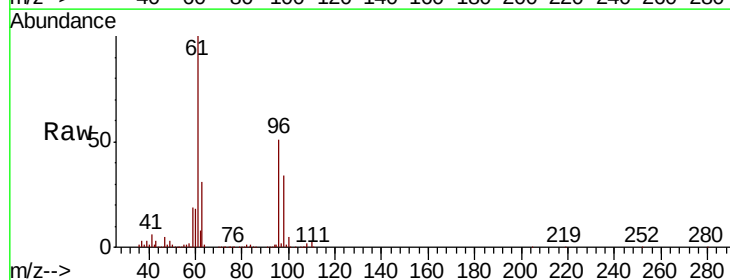
Tgt Ion: 96 Resp: 576102

Ion Ratio Lower Upper

96 100

61 195.4 143.7 215.5

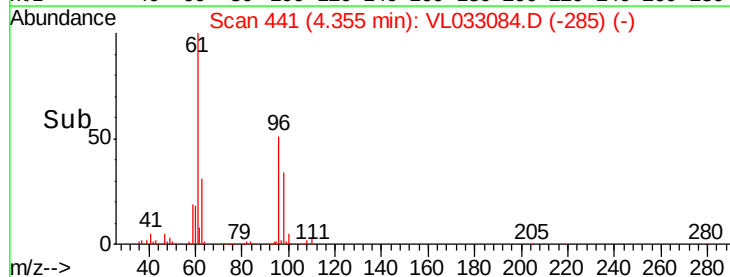
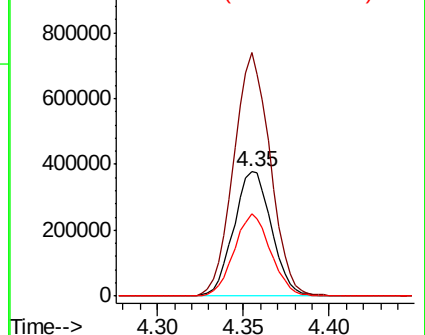
98 66.5 52.1 78.1

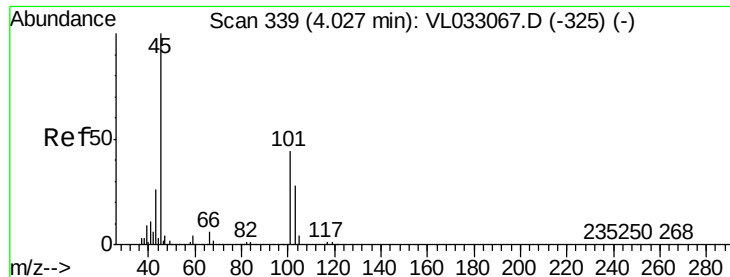


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 8.051 ppbv

RT: 4.02 min Scan# 337

Delta R.T. -0.00 min

Lab File: VL033084.D

Acq: 5 Jan 2019 1:40

Instrument :

MSVOA_L

ClientSampleId :

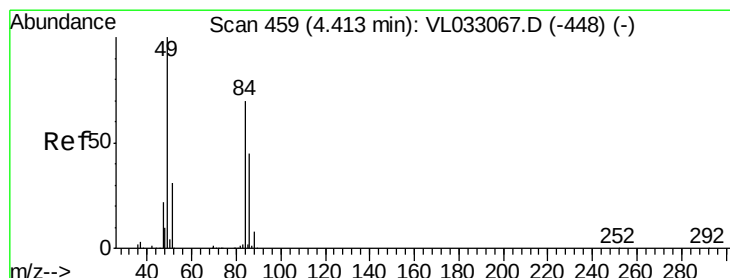
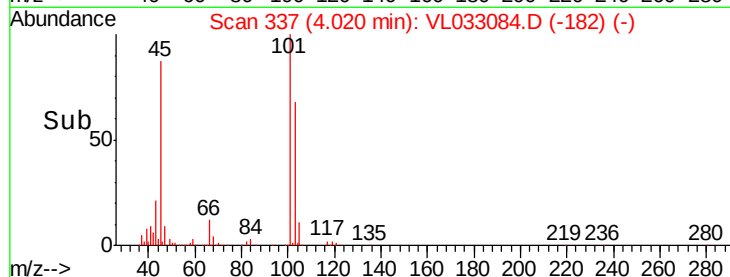
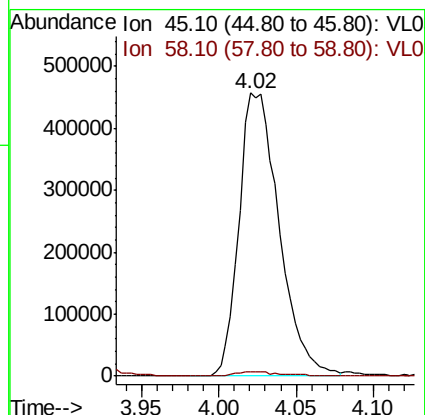
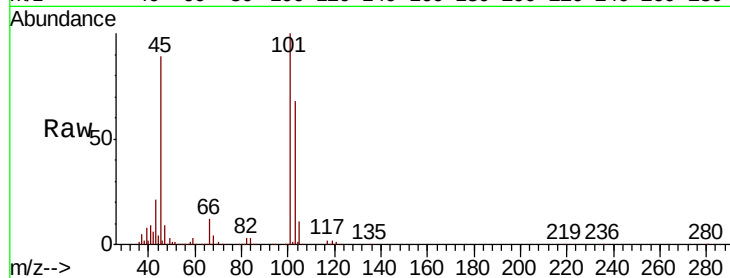
VL0104ABS01

Tgt Ion: 45 Resp: 824224

Ion Ratio Lower Upper

45 100

58 2.0 1.4 2.2



#20

Methylene Chloride

Concen: 8.076 ppbv

RT: 4.41 min Scan# 459

Delta R.T. 0.00 min

Lab File: VL033084.D

Acq: 5 Jan 2019 1:40

Tgt Ion: 84 Resp: 500657

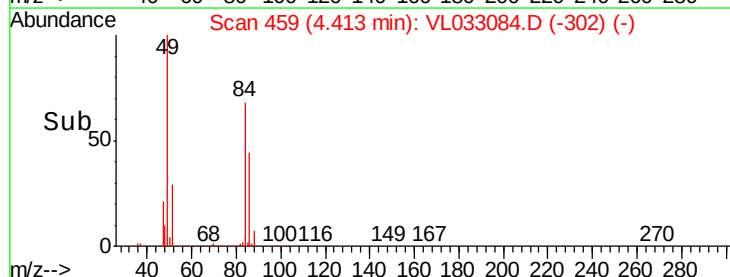
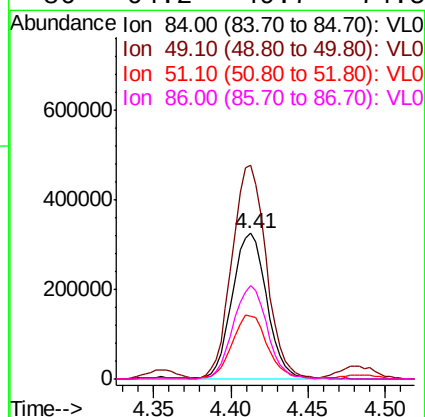
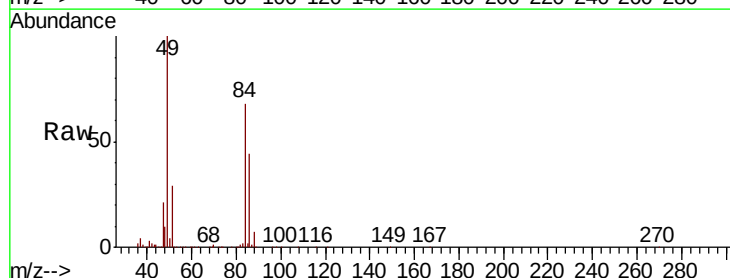
Ion Ratio Lower Upper

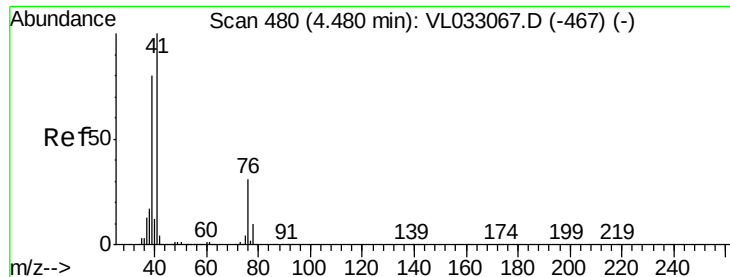
84 100

49 146.4 115.8 173.6

51 42.6 35.7 53.5

86 64.2 49.7 74.5

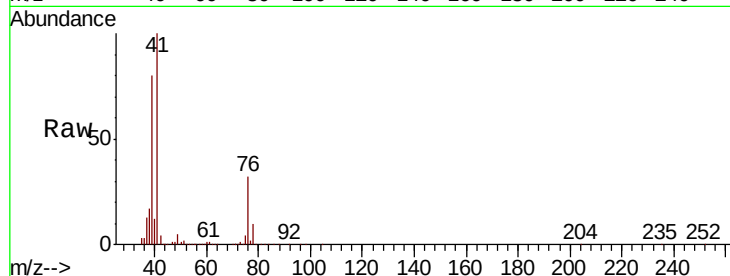




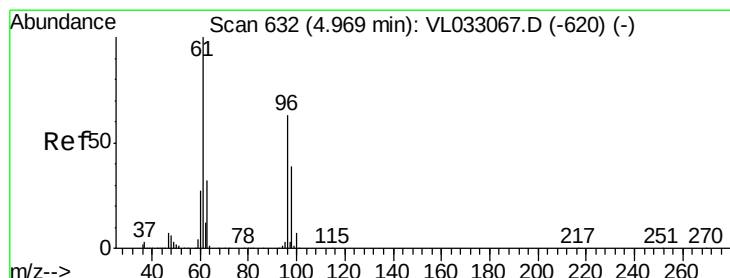
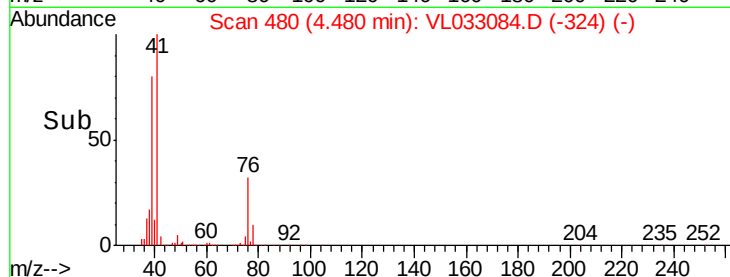
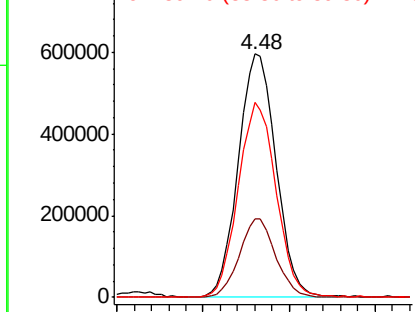
#21
 Allyl Chloride
 Concen: 9.778 ppbv
 RT: 4.48 min Scan# 480
 Delta R.T. 0.00 min
 Lab File: VL033084.D
 Acq: 5 Jan 2019 1:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0104ABS01

Tgt Ion: 41 Resp: 901114
 Ion Ratio Lower Upper
 41 100
 76 31.4 24.6 36.8
 39 80.8 62.8 94.2

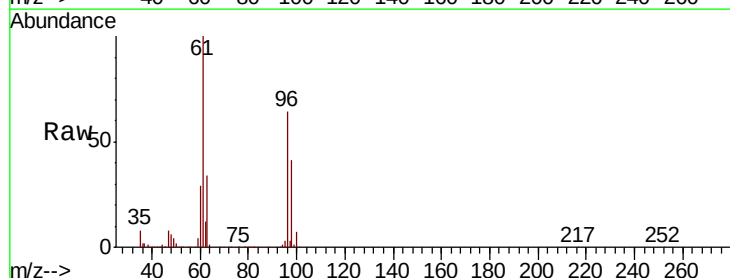


Abundance Ion 41.10 (40.80 to 41.80): VL0
 Ion 76.10 (75.80 to 76.80): VL0
 Ion 39.10 (38.80 to 39.80): VL0

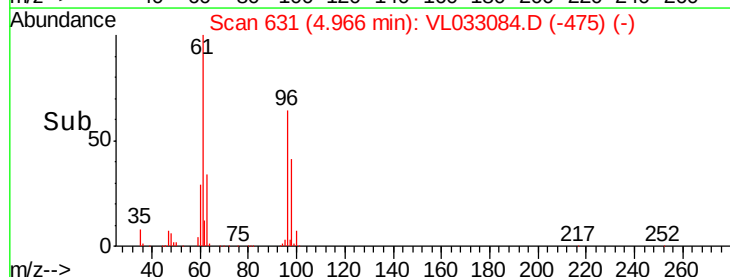
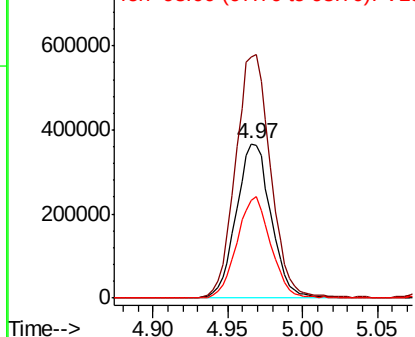


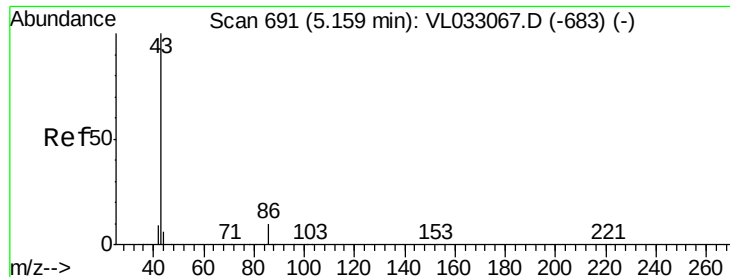
#22
 trans-1,2-Dichloroethene
 Concen: 9.315 ppbv
 RT: 4.97 min Scan# 631
 Delta R.T. 0.00 min
 Lab File: VL033084.D
 Acq: 5 Jan 2019 1:40

Tgt Ion: 96 Resp: 594214
 Ion Ratio Lower Upper
 96 100
 61 155.8 125.2 187.8
 98 63.2 50.9 76.3



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





#23

Vinyl Acetate

Concen: 9.590 ppbv

RT: 5.16 min Scan# 691

Delta R.T. 0.00 min

Lab File: VL033084.D

Acq: 5 Jan 2019 1:40

Instrument :

MSVOA_L

ClientSampleId :

VL0104ABS01

Tgt Ion: 43 Resp: 1814250

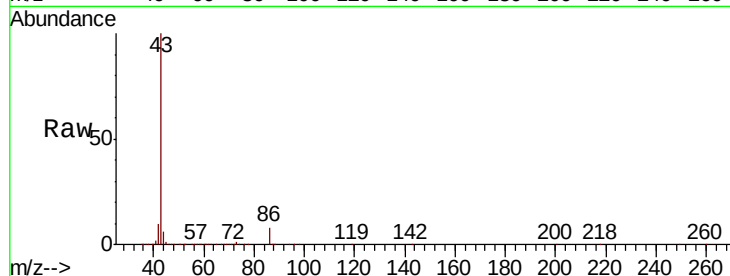
Ion Ratio Lower Upper

43 100

86 8.4 6.2 9.4

42 9.8 8.1 12.1

44 5.6 4.3 6.5

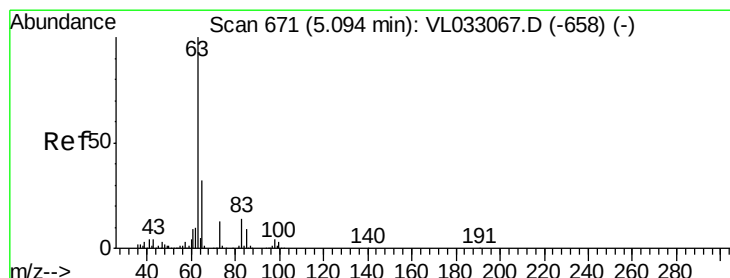
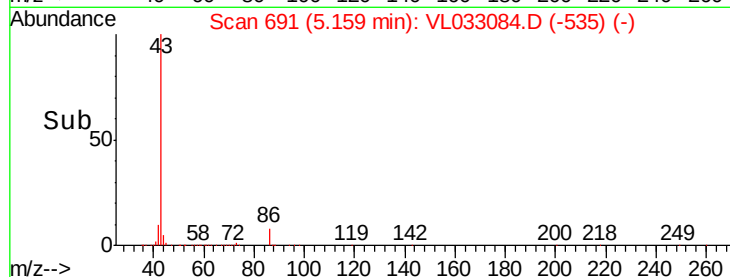
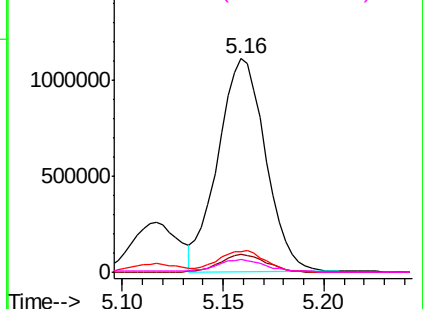


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 8.946 ppbv

RT: 5.09 min Scan# 671

Delta R.T. 0.00 min

Lab File: VL033084.D

Acq: 5 Jan 2019 1:40

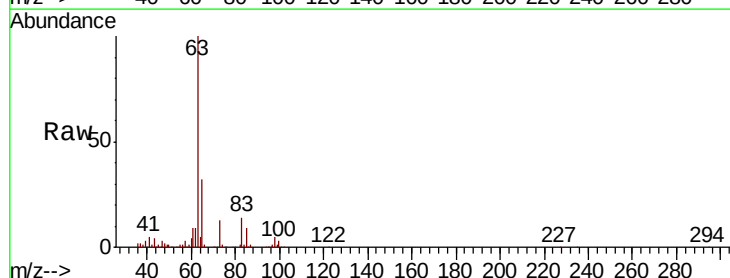
Tgt Ion: 63 Resp: 1436970

Ion Ratio Lower Upper

63 100

98 4.8 2.4 7.2

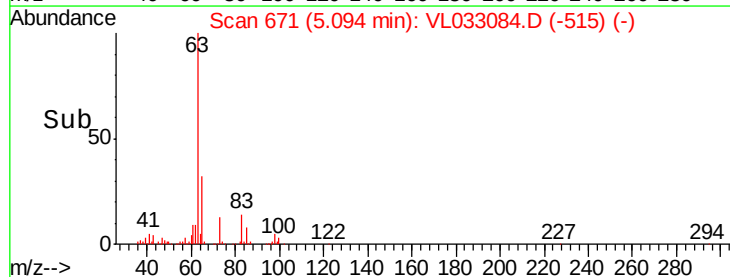
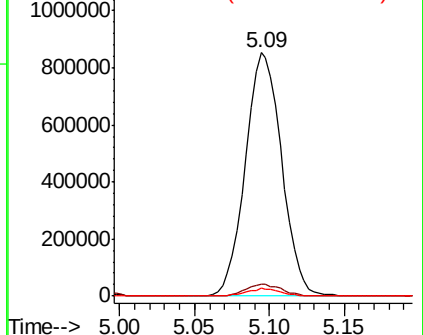
100 3.1 1.4 4.0

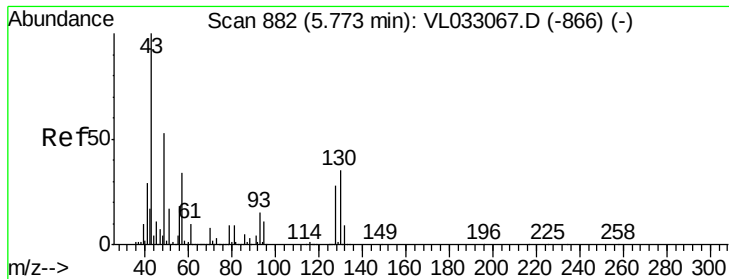


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 8.712 ppbv

RT: 5.77 min Scan# 882

Delta R.T. 0.00 min

Lab File: VL033084.D

Acq: 5 Jan 2019 1:40

Instrument :

MSVOA_L

ClientSampleId :

VL0104ABS01

Tgt Ion: 43 Resp: 2189889

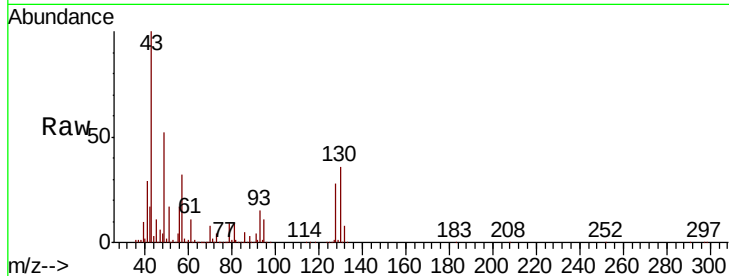
Ion Ratio Lower Upper

43 100

45 9.8 7.9 11.9

61 9.6 7.8 11.8

70 7.2 6.0 9.0

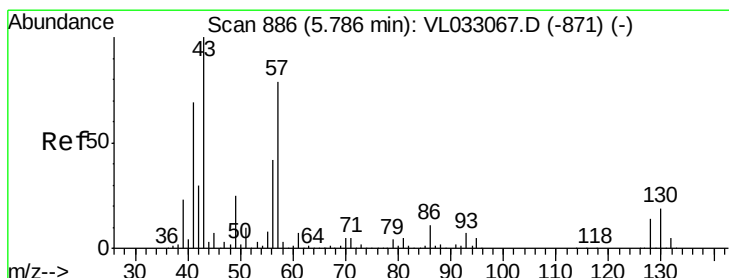
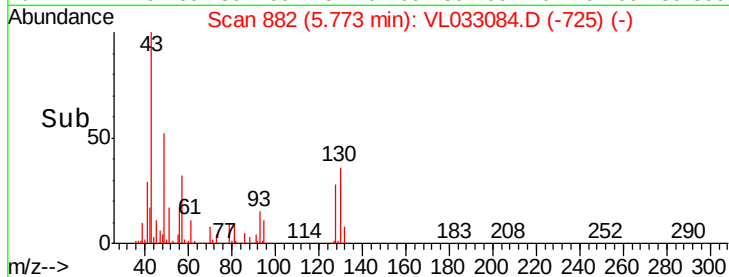
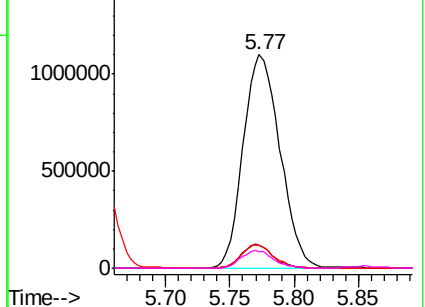


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 8.638 ppbv

RT: 5.79 min Scan# 886

Delta R.T. 0.00 min

Lab File: VL033084.D

Acq: 5 Jan 2019 1:40

Tgt Ion: 57 Resp: 1022479

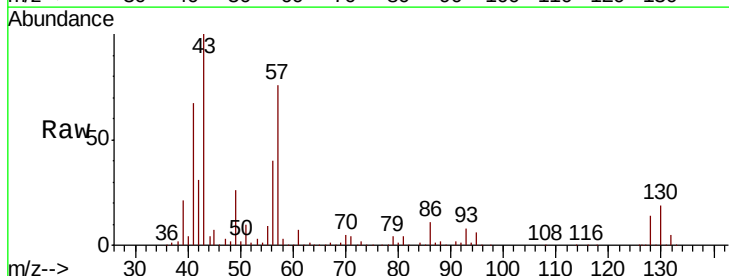
Ion Ratio Lower Upper

57 100

41 90.8 70.8 106.2

43 215.5 171.8 257.6

56 53.1 41.9 62.9

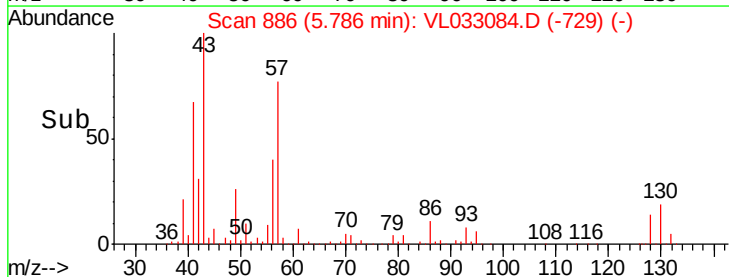
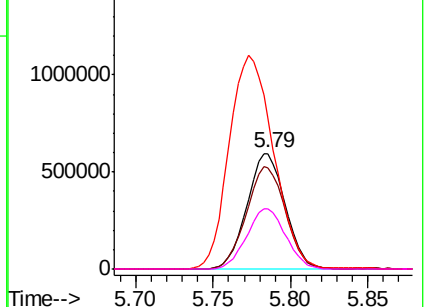


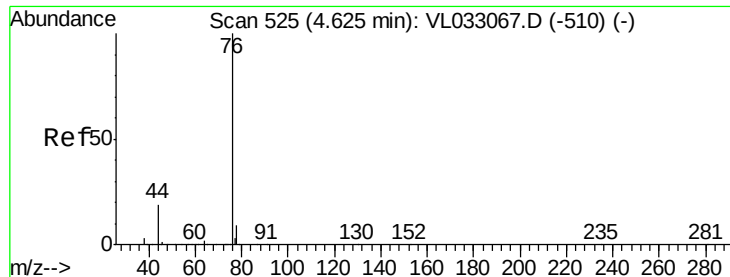
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 10.055 ppbv

RT: 4.62 min Scan# 524

Delta R.T. 0.00 min

Lab File: VL033084.D

Acq: 5 Jan 2019 1:40

Instrument :

MSVOA_L

ClientSampleId :

VL0104ABS01

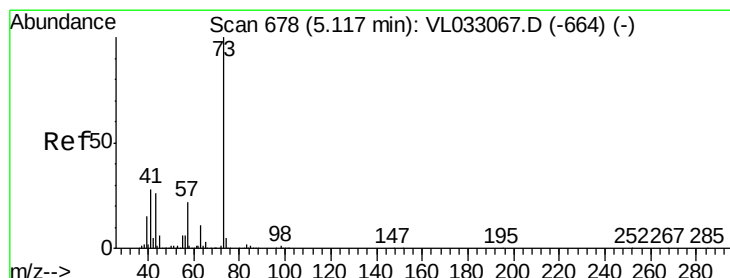
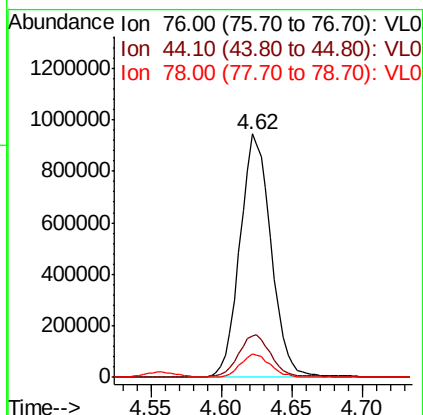
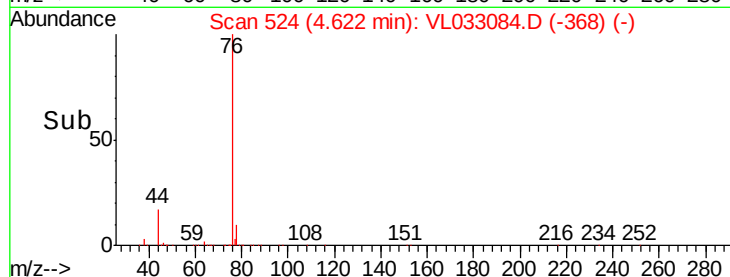
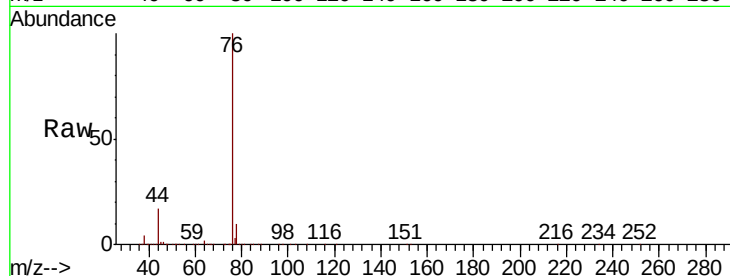
Tgt Ion: 76 Resp: 1467781

Ion Ratio Lower Upper

76 100

44 17.8 13.9 20.9

78 9.2 7.3 10.9



#28

Methyl tert-Butyl Ether

Concen: 9.370 ppbv

RT: 5.12 min Scan# 678

Delta R.T. 0.00 min

Lab File: VL033084.D

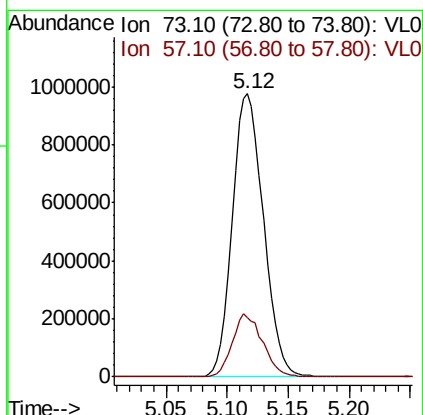
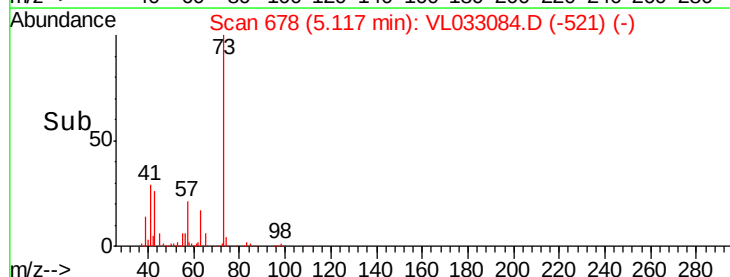
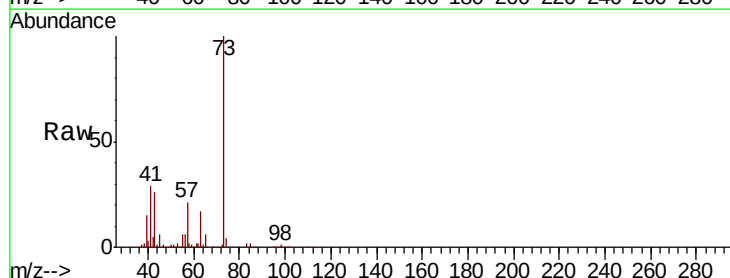
Acq: 5 Jan 2019 1:40

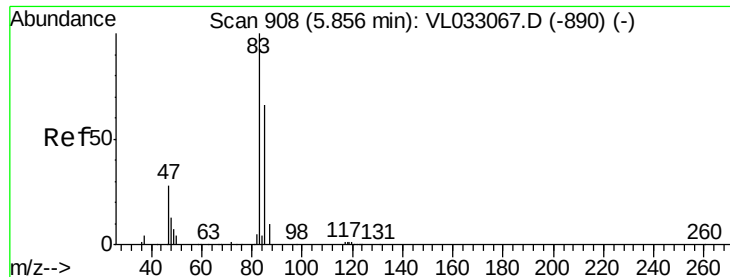
Tgt Ion: 73 Resp: 1731063

Ion Ratio Lower Upper

73 100

57 21.7 17.5 26.3

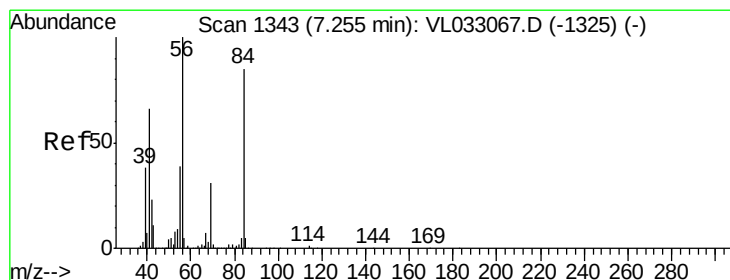
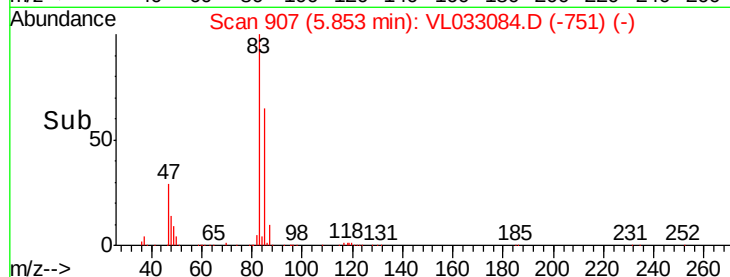
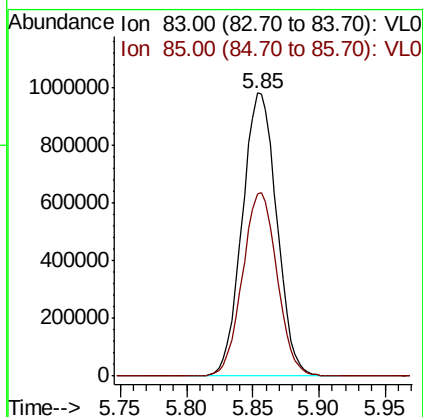
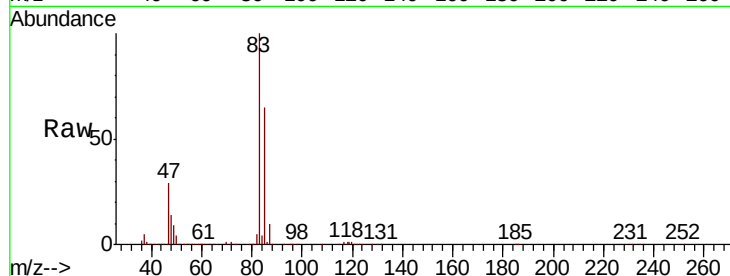




#29
Chloroform
Concen: 8.813 ppbv
RT: 5.85 min Scan# 907
Delta R.T. 0.00 min
Lab File: VL033084.D
Acq: 5 Jan 2019 1:40

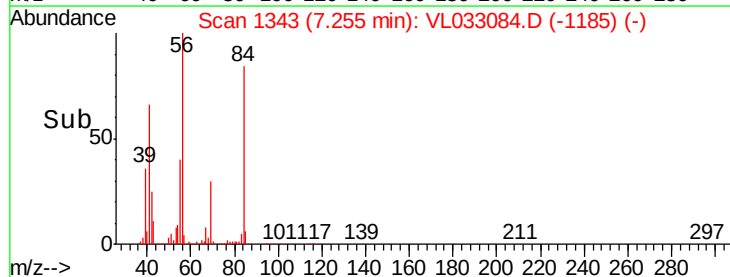
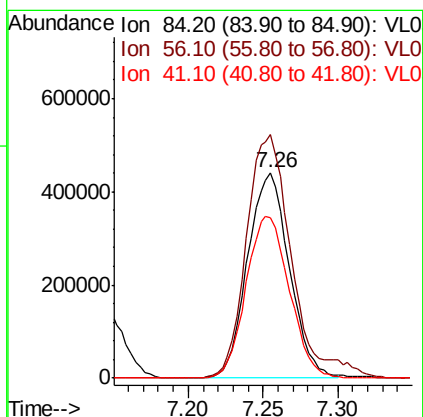
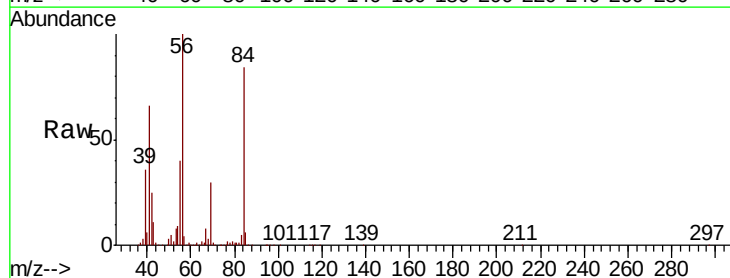
Instrument :
MSVOA_L
ClientSampleId :
VL0104ABS01

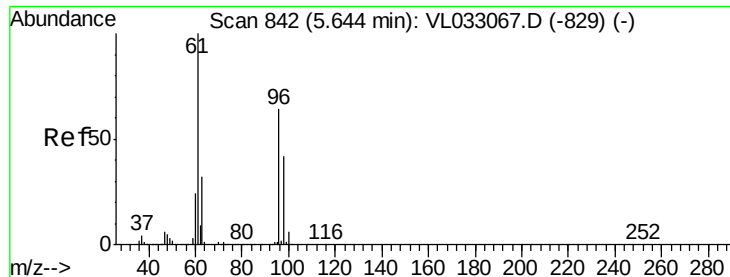
Tgt Ion: 83 Resp: 1777766
Ion Ratio Lower Upper
83 100
85 64.4 52.5 78.7



#30
Cyclohexane
Concen: 9.716 ppbv
RT: 7.26 min Scan# 1343
Delta R.T. 0.01 min
Lab File: VL033084.D
Acq: 5 Jan 2019 1:40

Tgt Ion: 84 Resp: 857478
Ion Ratio Lower Upper
84 100
56 128.2 101.8 152.6
41 81.4 63.2 94.8



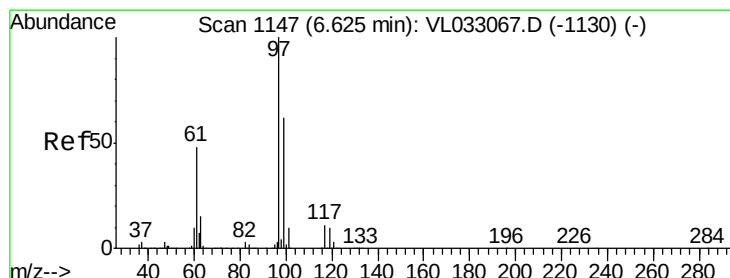
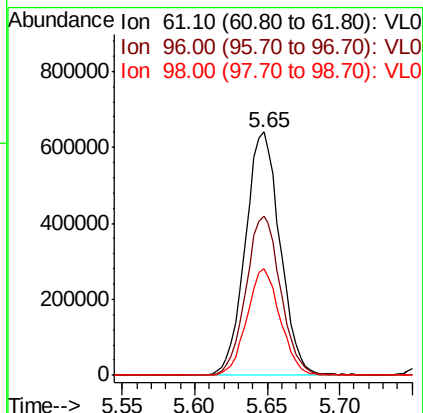
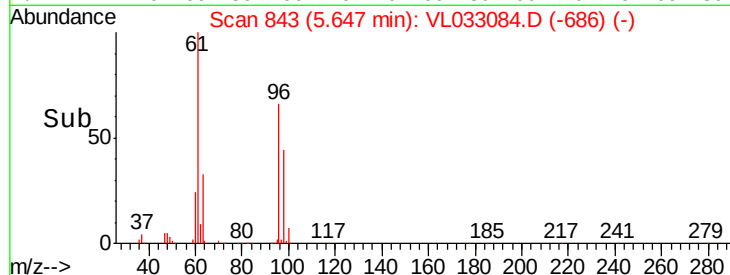
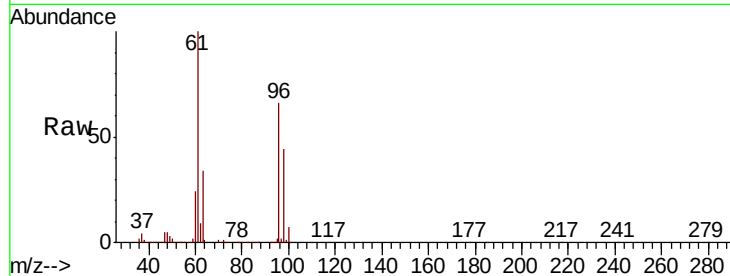


#31

cis-1,2-Dichloroethene
 Concen: 9.741 ppbv
 RT: 5.65 min Scan# 843
 Delta R.T. 0.00 min
 Lab File: VL033084.D
 Acq: 5 Jan 2019 1:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0104ABS01

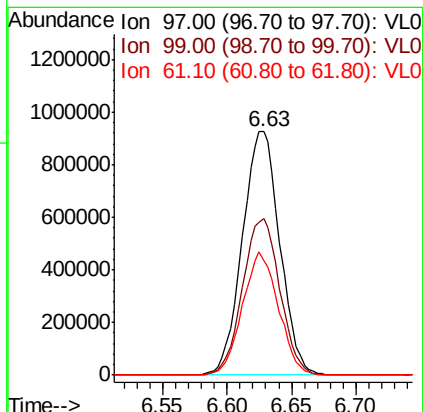
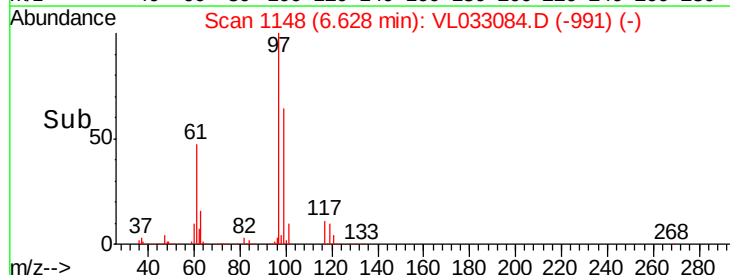
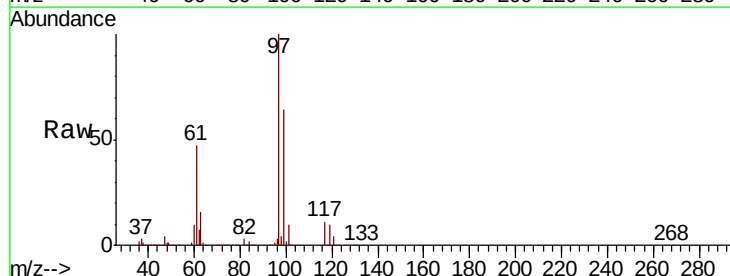
Tgt Ion: 61 Resp: 1070585
 Ion Ratio Lower Upper
 61 100
 96 65.6 52.8 79.2
 98 43.8 33.8 50.6

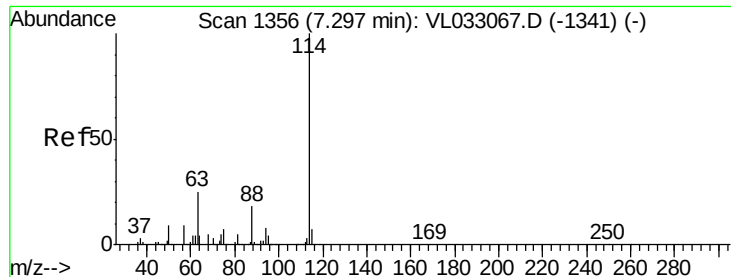


#32

1,1,1-Trichloroethane
 Concen: 9.147 ppbv
 RT: 6.63 min Scan# 1148
 Delta R.T. 0.00 min
 Lab File: VL033084.D
 Acq: 5 Jan 2019 1:40

Tgt Ion: 97 Resp: 1872573
 Ion Ratio Lower Upper
 97 100
 99 64.2 51.1 76.7
 61 48.6 38.3 57.5

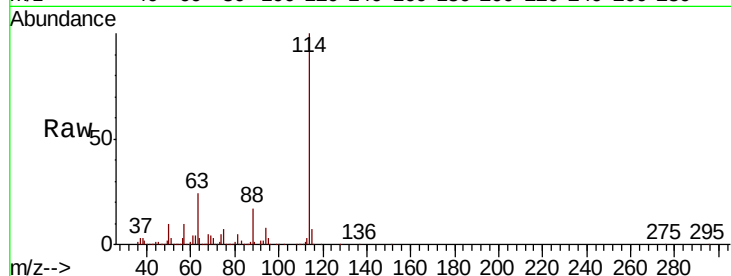




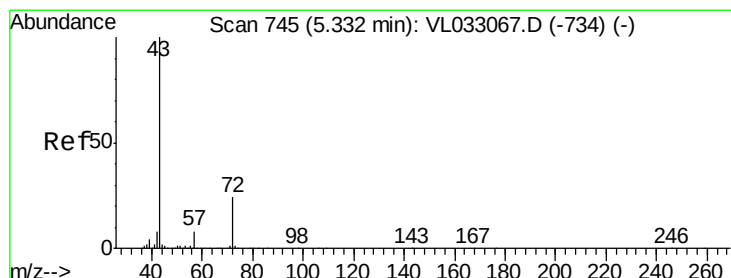
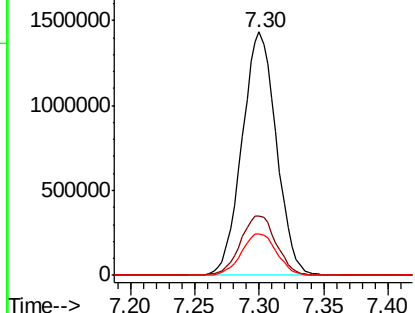
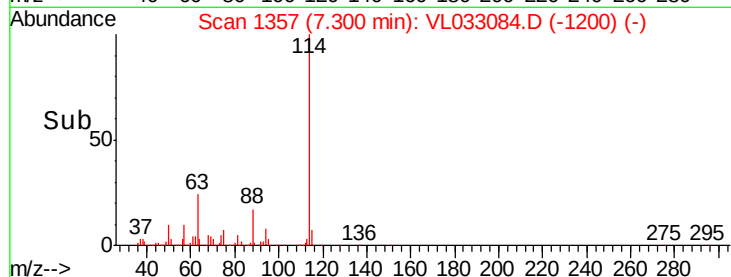
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1357
 Delta R.T. 0.00 min
 Lab File: VL033084.D
 Acq: 5 Jan 2019 1:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0104ABS01

Tgt Ion:114 Resp: 2650478
 Ion Ratio Lower Upper
 114 100
 63 25.7 20.1 30.1
 88 17.7 14.0 21.0

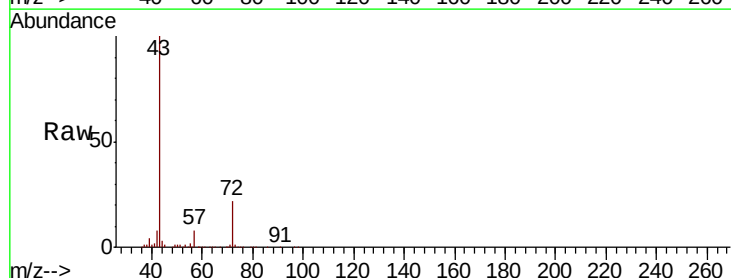


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

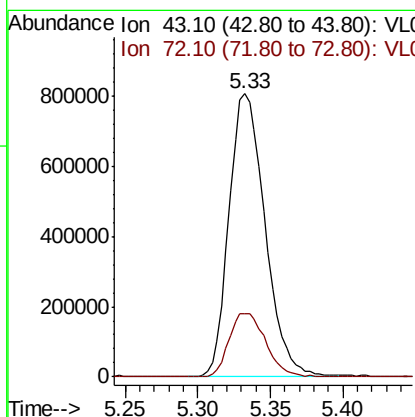
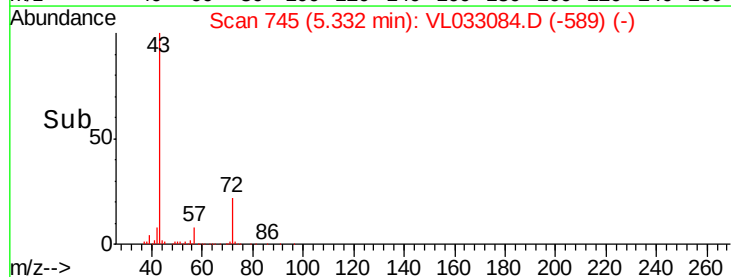


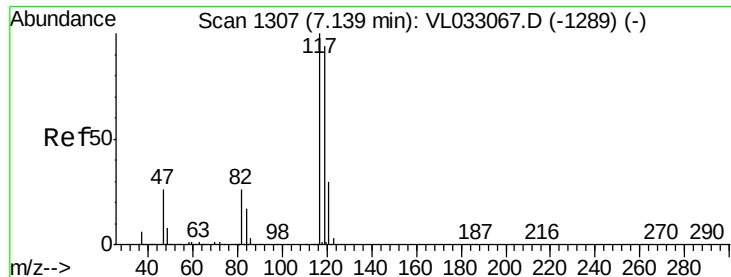
#34
 2-Butanone
 Concen: 9.021 ppbv
 RT: 5.33 min Scan# 745
 Delta R.T. 0.00 min
 Lab File: VL033084.D
 Acq: 5 Jan 2019 1:40

Tgt Ion: 43 Resp: 1389309
 Ion Ratio Lower Upper
 43 100
 72 23.3 18.9 28.3



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





#35

Carbon Tetrachloride

Concen: 8.875 ppbv

RT: 7.14 min Scan# 1308

Delta R.T. 0.00 min

Lab File: VL033084.D

Acq: 5 Jan 2019 1:40

Instrument :

MSVOA_L

ClientSampleId :

VL0104ABS01

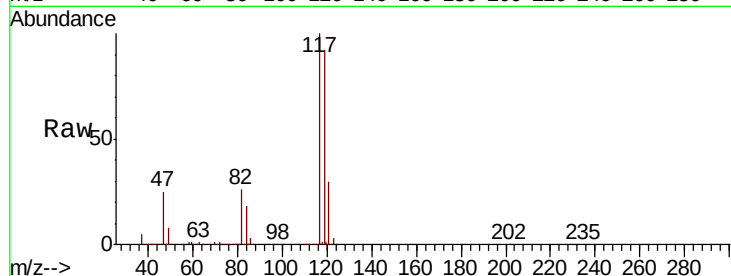
Tgt Ion:117 Resp: 2020447

Ion Ratio Lower Upper

117 100

119 92.2 76.5 114.7

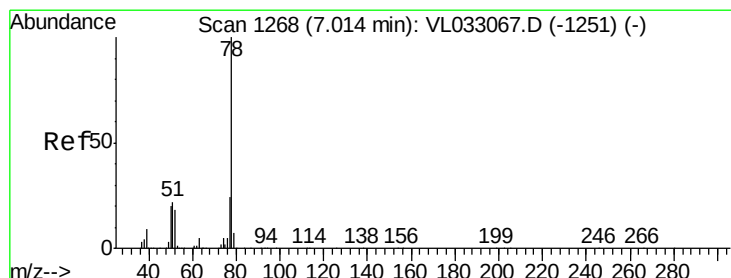
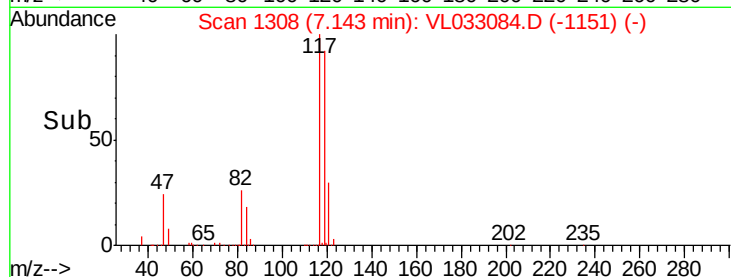
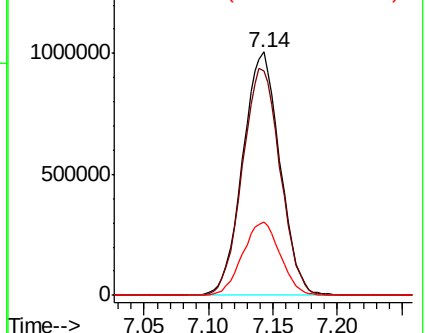
121 30.4 25.2 37.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.328 ppbv

RT: 7.01 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VL033084.D

Acq: 5 Jan 2019 1:40

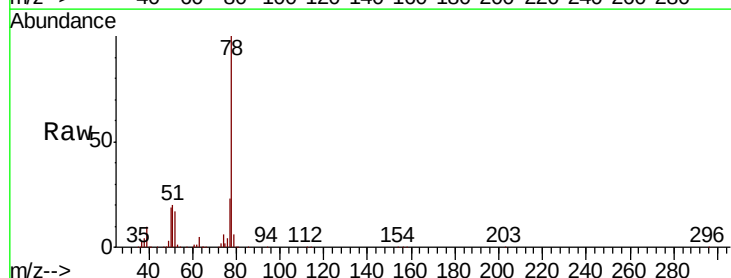
Tgt Ion: 78 Resp: 2025146

Ion Ratio Lower Upper

78 100

77 23.3 18.5 27.7

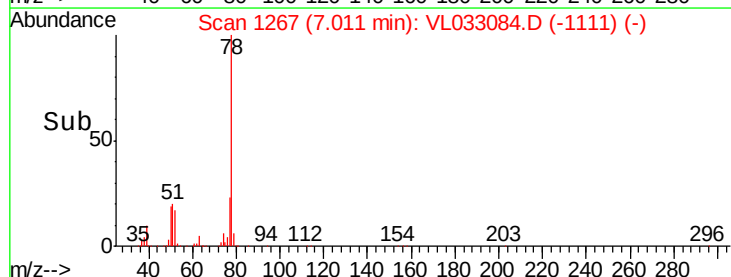
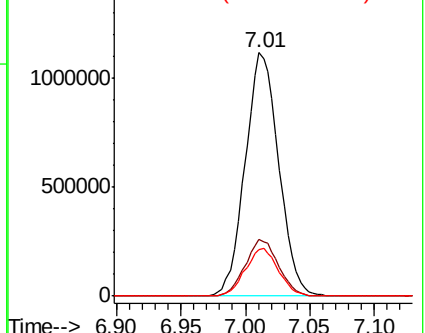
50 19.1 15.7 23.5

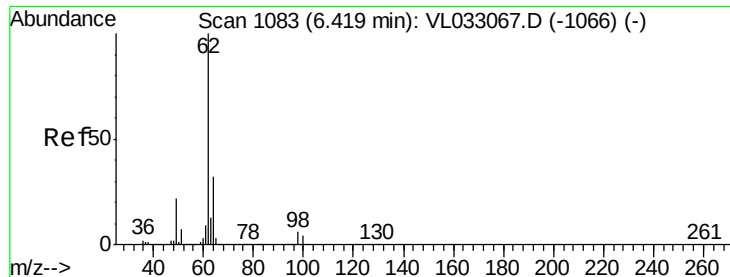


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

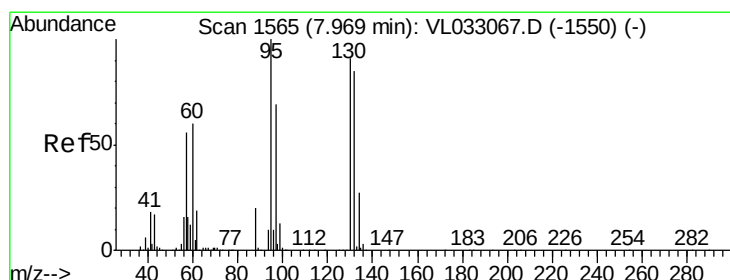
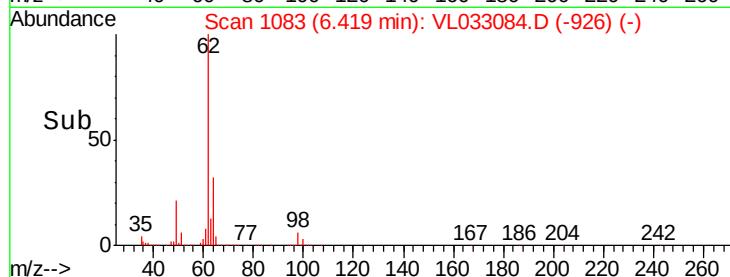
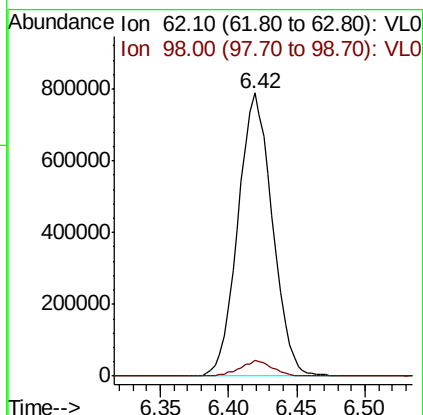
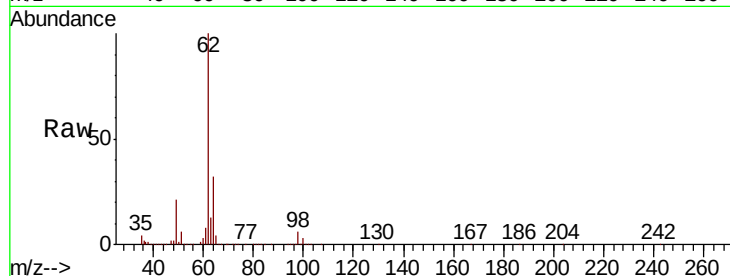




#37
 1,2-Dichloroethane
 Concen: 9.111 ppbv
 RT: 6.42 min Scan# 1083
 Delta R.T. 0.00 min
 Lab File: VL033084.D
 Acq: 5 Jan 2019 1:40

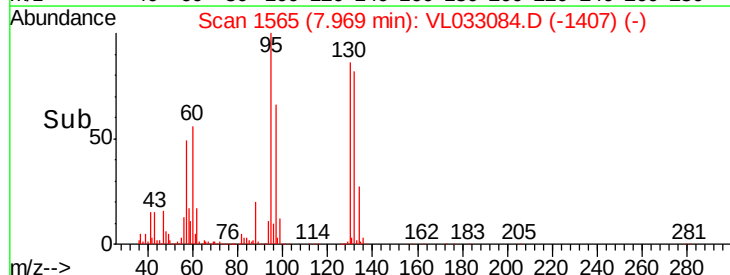
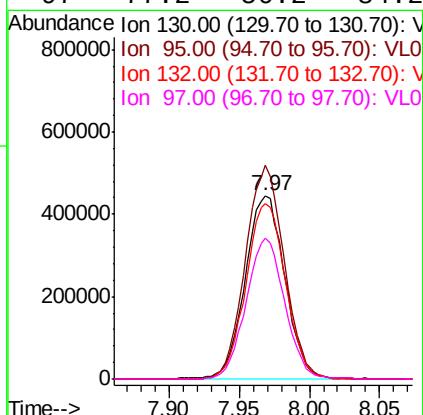
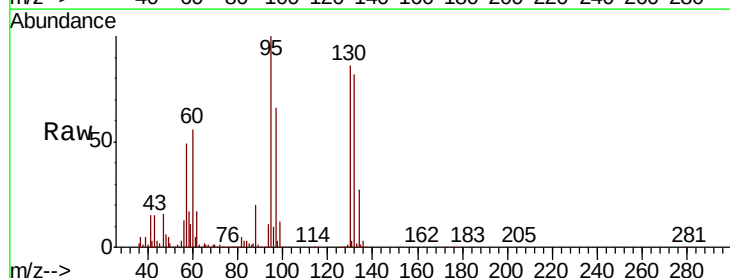
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0104ABS01

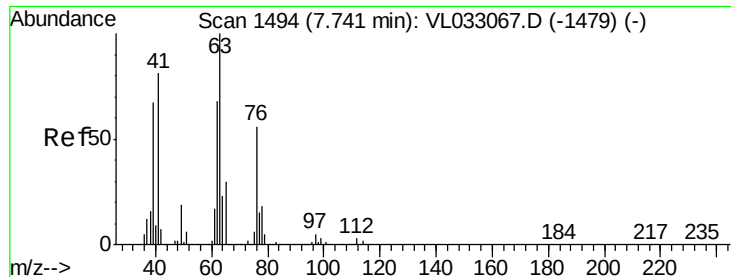
Tgt Ion: 62 Resp: 1381054
 Ion Ratio Lower Upper
 62 100
 98 5.3 4.6 7.0



#38
 Trichloroethene
 Concen: 9.703 ppbv
 RT: 7.97 min Scan# 1565
 Delta R.T. 0.01 min
 Lab File: VL033084.D
 Acq: 5 Jan 2019 1:40

Tgt Ion: 130 Resp: 866656
 Ion Ratio Lower Upper
 130 100
 95 116.6 88.6 132.8
 132 95.9 74.2 111.2
 97 77.2 56.2 84.2





#39

1,2-Dichloropropane

Concen: 9.244 ppbv

RT: 7.74 min Scan# 1494

Delta R.T. -0.00 min

Lab File: VL033084.D

Acq: 5 Jan 2019 1:40

Instrument :

MSVOA_L

ClientSampleId :

VL0104ABS01

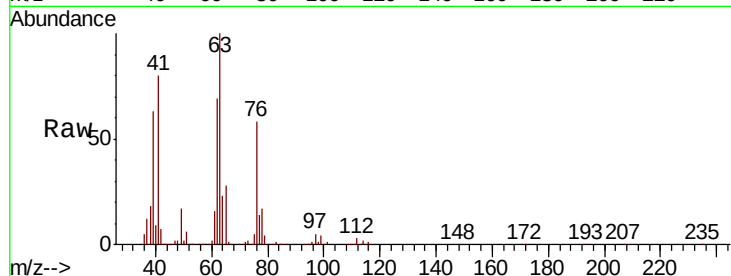
Tgt Ion: 63 Resp: 753933

Ion Ratio Lower Upper

63 100

41 80.4 61.9 92.9

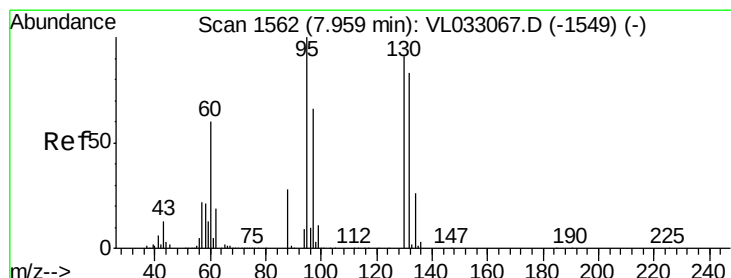
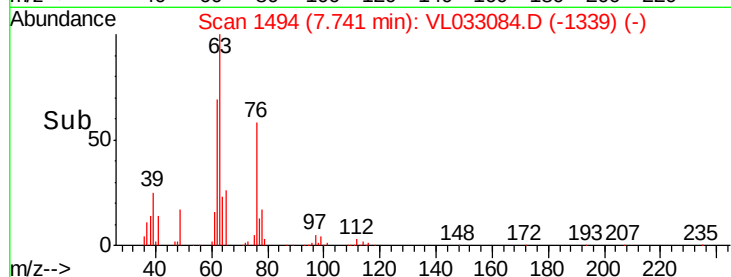
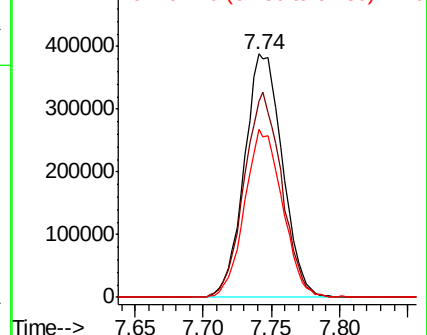
62 69.0 55.8 83.6



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



#40

1,4-Dioxane

Concen: 8.975 ppbv

RT: 7.96 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VL033084.D

Acq: 5 Jan 2019 1:40

Tgt Ion: 88 Resp: 277875

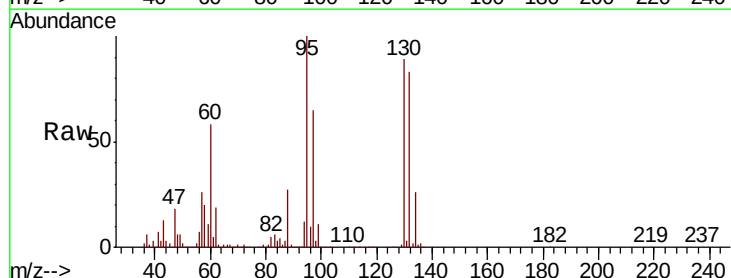
Ion Ratio Lower Upper

88 100

58 130.2 101.9 152.9

43 274.9 212.6 319.0

57 1241.7 963.8 1445.6

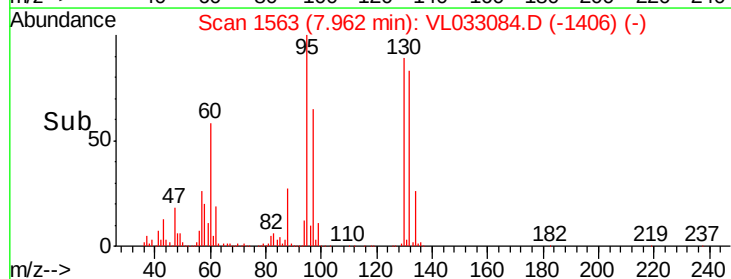
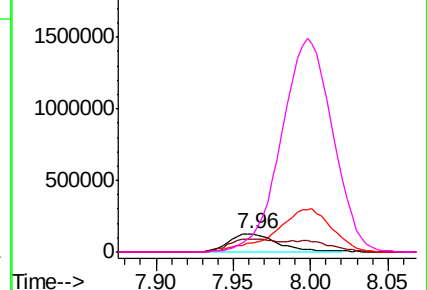


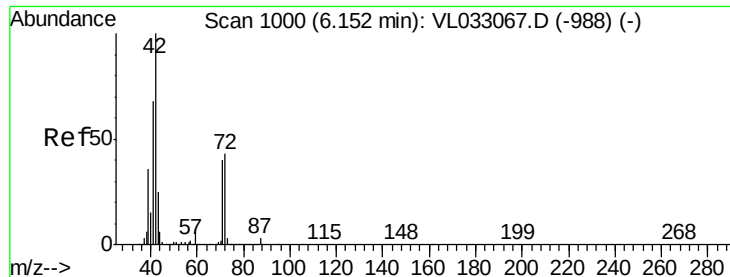
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

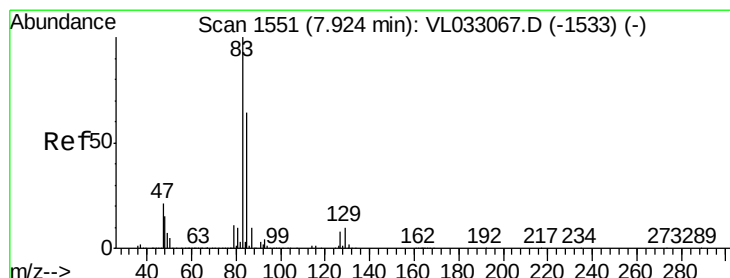
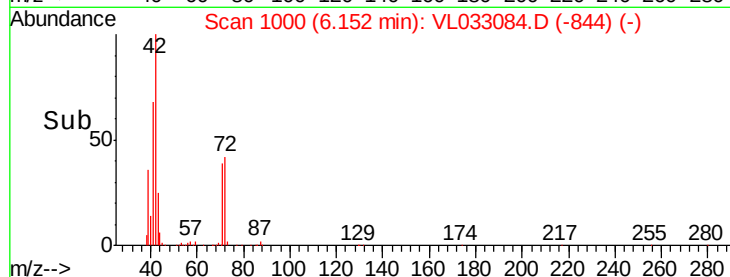
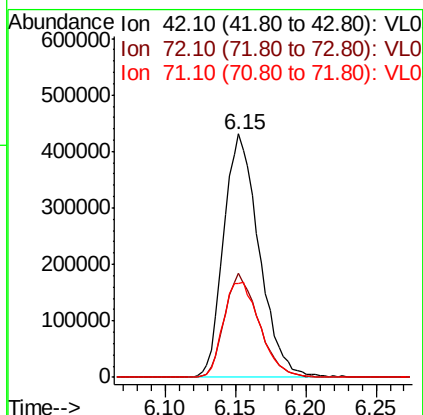
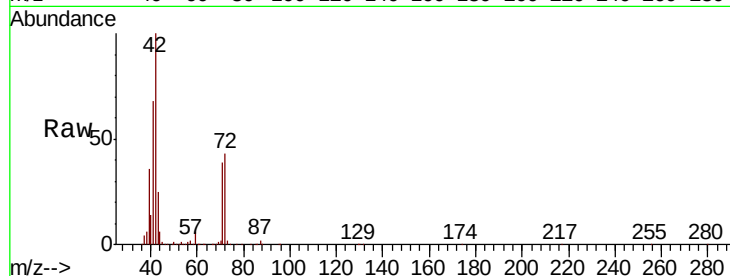




#41
Tetrahydrofuran
Concen: 9.666 ppbv
RT: 6.15 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VL033084.D
Acq: 5 Jan 2019 1:40

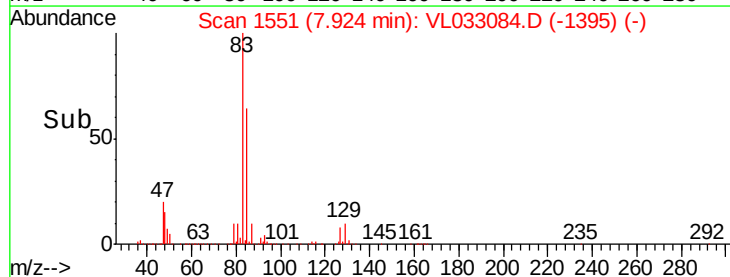
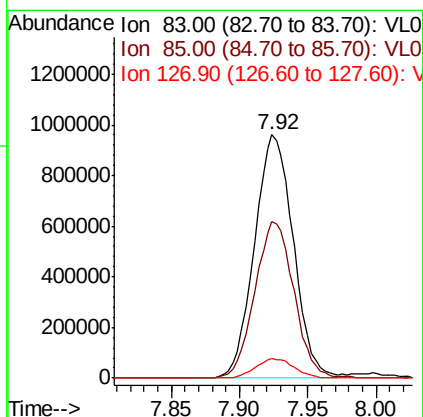
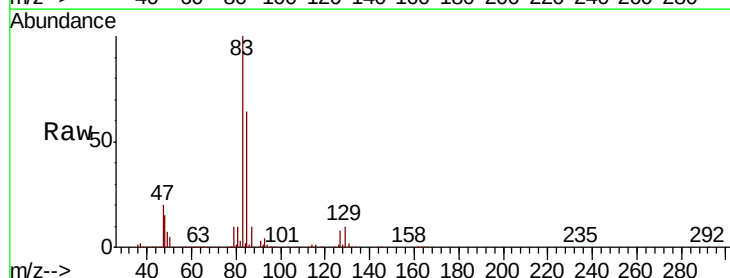
Instrument :
MSVOA_L
ClientSampleId :
VL0104ABS01

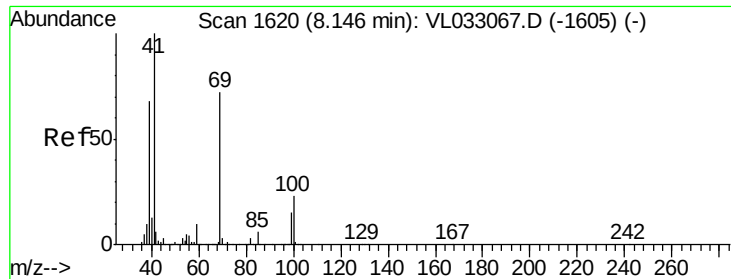
Tgt Ion: 42 Resp: 757632
Ion Ratio Lower Upper
42 100
72 41.4 32.9 49.3
71 40.4 31.8 47.6



#42
Bromodichloromethane
Concen: 9.097 ppbv
RT: 7.92 min Scan# 1551
Delta R.T. 0.00 min
Lab File: VL033084.D
Acq: 5 Jan 2019 1:40

Tgt Ion: 83 Resp: 1894344
Ion Ratio Lower Upper
83 100
85 64.3 51.0 76.4
127 7.9 6.5 9.7

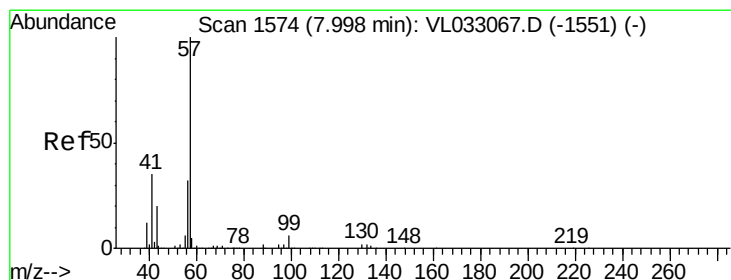
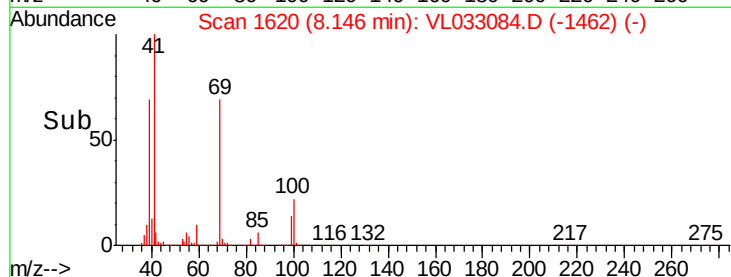
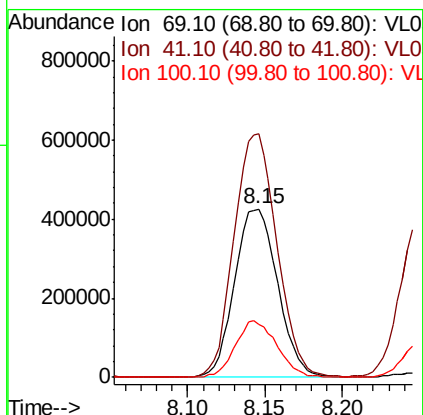
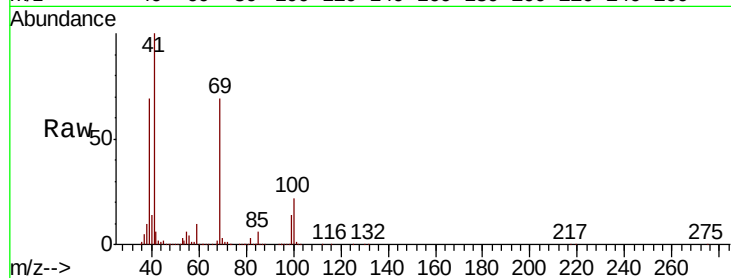




#43
Methyl Methacrylate
Concen: 10.092 ppbv
RT: 8.15 min Scan# 1620
Delta R.T. 0.01 min
Lab File: VL033084.D
Acq: 5 Jan 2019 1:40

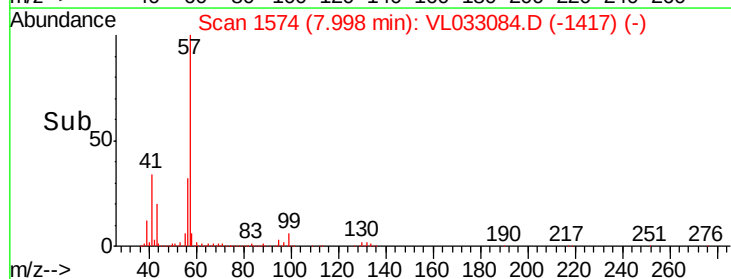
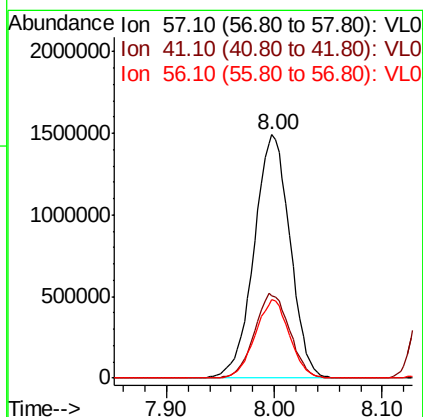
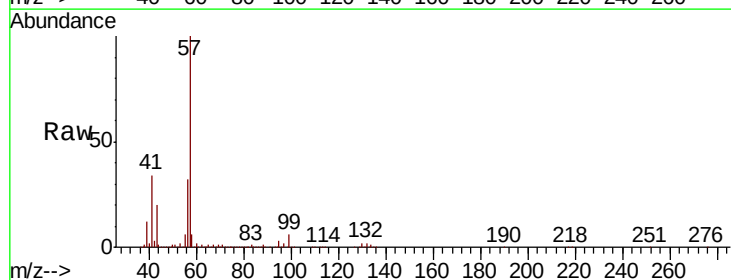
Instrument :
MSVOA_L
ClientSampleId :
VL0104ABS01

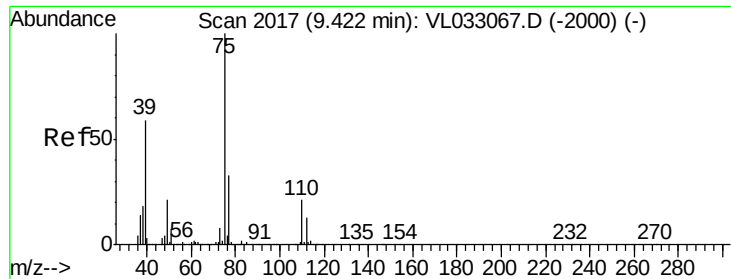
Tgt Ion: 69 Resp: 822153
Ion Ratio Lower Upper
69 100
41 144.5 114.0 171.0
100 32.4 26.3 39.5



#44
2,2,4-Trimethylpentane
Concen: 9.373 ppbv
RT: 8.00 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VL033084.D
Acq: 5 Jan 2019 1:40

Tgt Ion: 57 Resp: 3446129
Ion Ratio Lower Upper
57 100
41 34.0 26.2 39.2
56 30.9 24.9 37.3





#45

t-1,3-Dichloropropene

Concen: 10.961 ppbv

RT: 9.43 min Scan# 2018

Delta R.T. 0.00 min

Lab File: VL033084.D

Acq: 5 Jan 2019 1:40

Instrument :

MSVOA_L

ClientSampleId :

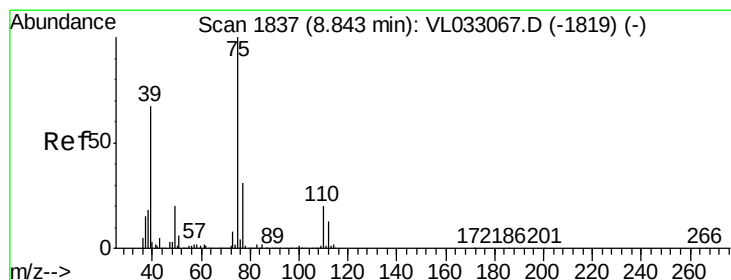
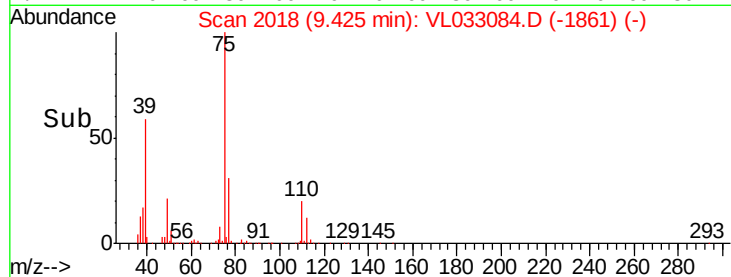
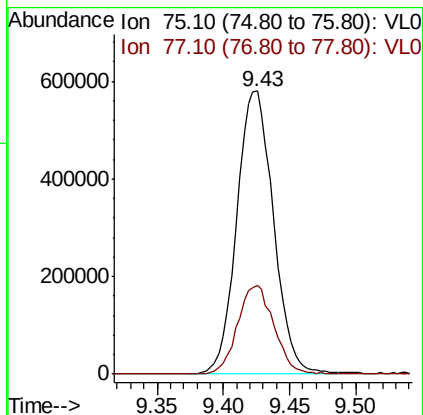
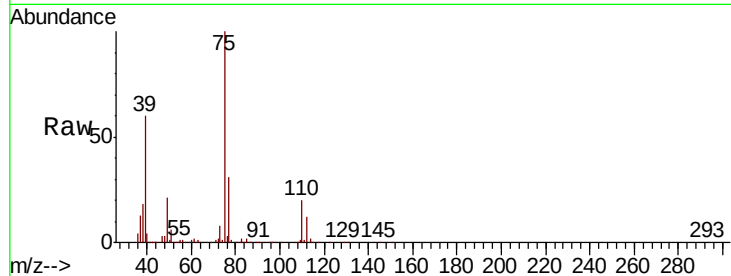
VL0104ABS01

Tgt Ion: 75 Resp: 1111521

Ion Ratio Lower Upper

75 100

77 31.2 24.8 37.2



#46

cis-1,3-Dichloropropene

Concen: 10.966 ppbv

RT: 8.84 min Scan# 1837

Delta R.T. 0.00 min

Lab File: VL033084.D

Acq: 5 Jan 2019 1:40

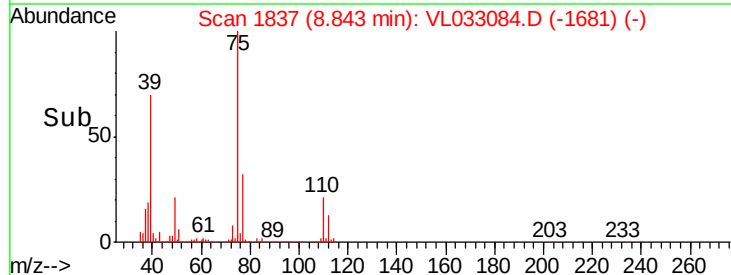
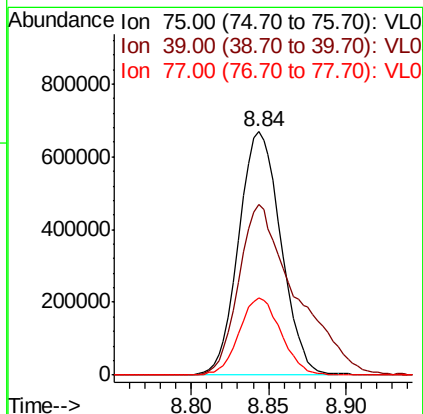
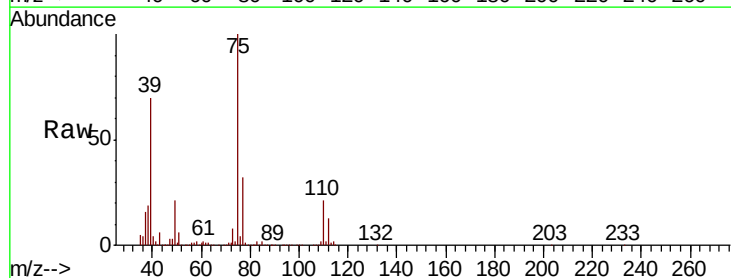
Tgt Ion: 75 Resp: 1269297

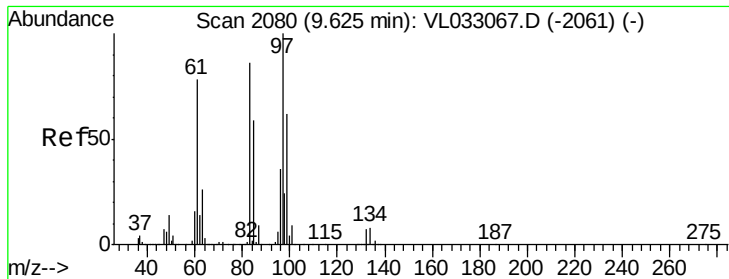
Ion Ratio Lower Upper

75 100

39 69.9 51.3 76.9

77 31.6 25.5 38.3

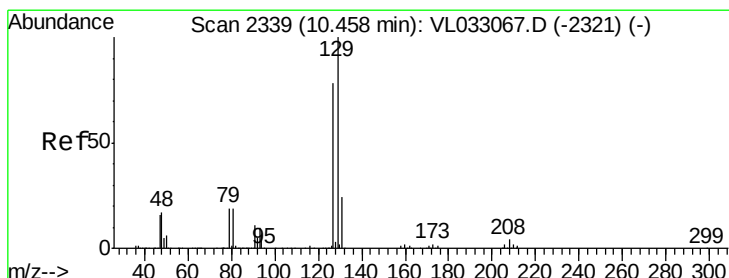
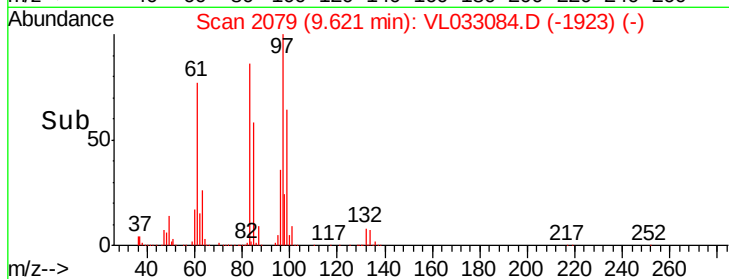
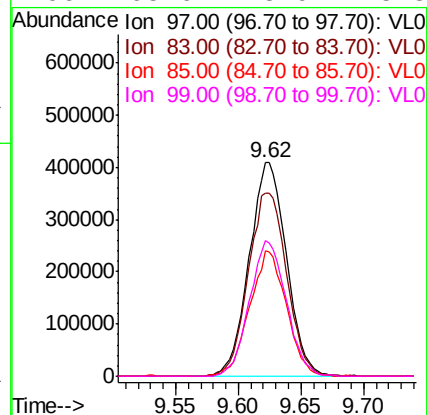
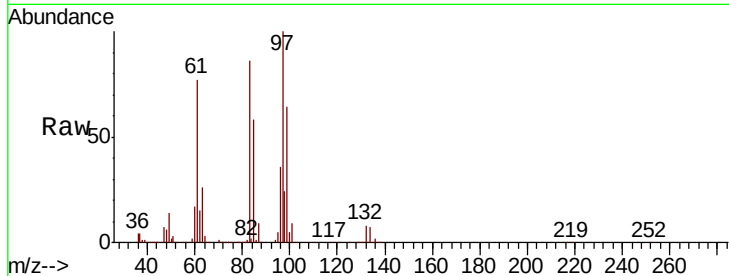




#47
 1,1,2-Trichloroethane
 Concen: 8.876 ppbv
 RT: 9.62 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VL033084.D
 Acq: 5 Jan 2019 1:40

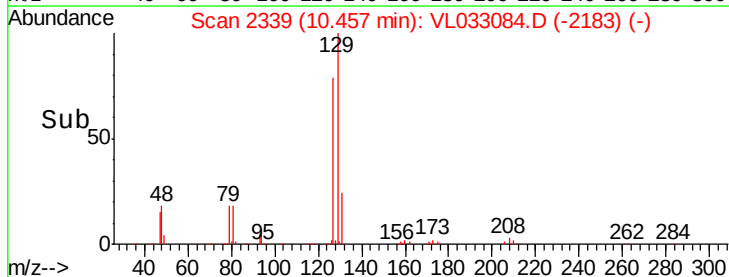
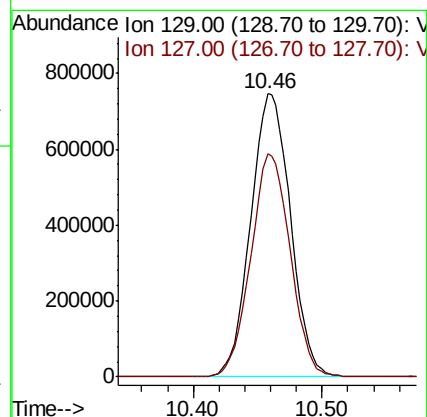
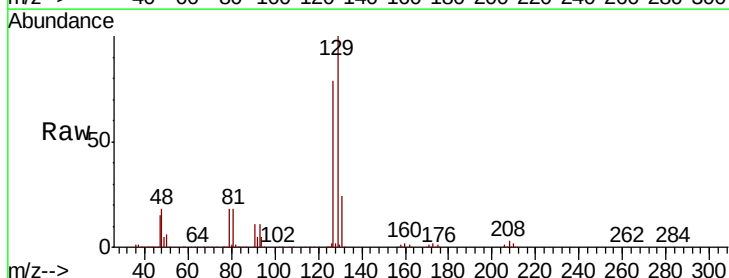
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0104ABS01

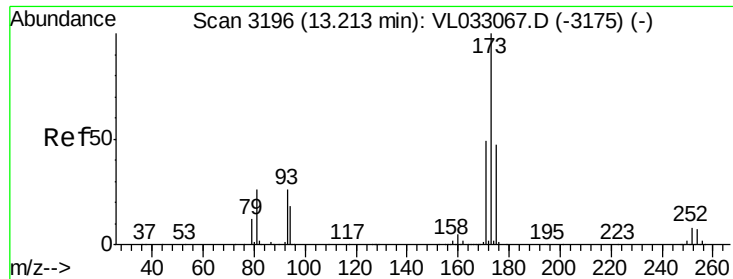
Tgt Ion: 97 Resp: 845772
 Ion Ratio Lower Upper
 97 100
 83 85.4 69.4 104.2
 85 58.4 44.2 66.2
 99 63.6 48.9 73.3



#48
 Dibromochloromethane
 Concen: 9.532 ppbv
 RT: 10.46 min Scan# 2339
 Delta R.T. 0.00 min
 Lab File: VL033084.D
 Acq: 5 Jan 2019 1:40

Tgt Ion: 129 Resp: 1604869
 Ion Ratio Lower Upper
 129 100
 127 78.2 39.1 117.3





#49

Bromoform

Concen: 9.052 ppbv

RT: 13.21 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VL033084.D

Acq: 5 Jan 2019 1:40

Instrument :

MSVOA_L

ClientSampleId :

VL0104ABS01

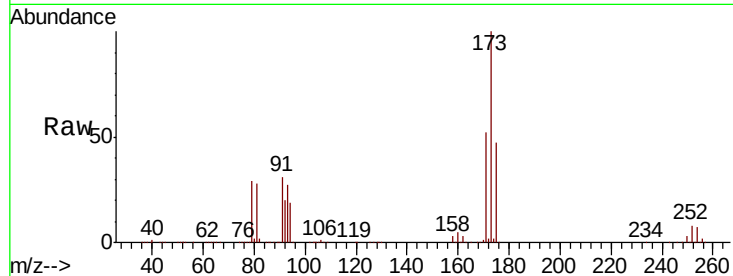
Tgt Ion:173 Resp: 1331477

Ion Ratio Lower Upper

173 100

175 48.8 39.4 59.2

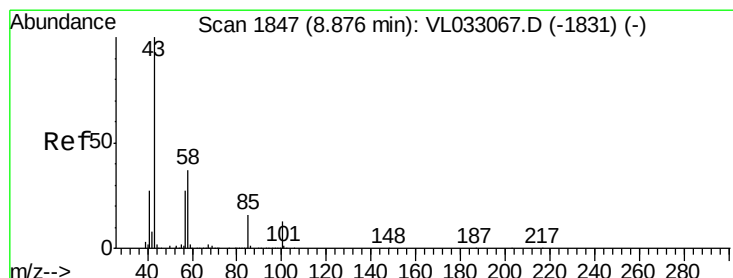
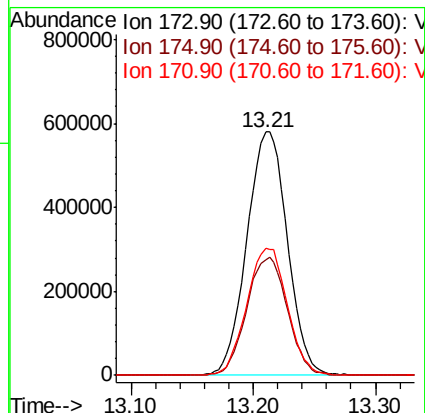
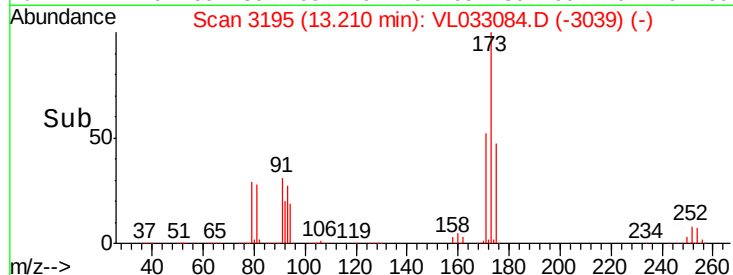
171 52.4 42.1 63.1



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.051 ppbv

RT: 8.88 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VL033084.D

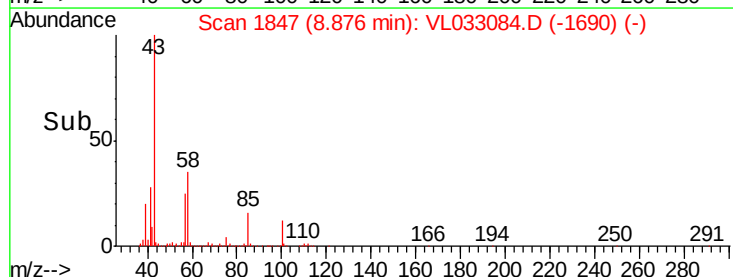
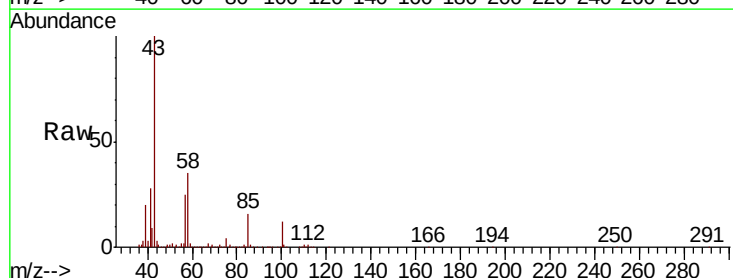
Acq: 5 Jan 2019 1:40

Tgt Ion: 43 Resp: 1961304

Ion Ratio Lower Upper

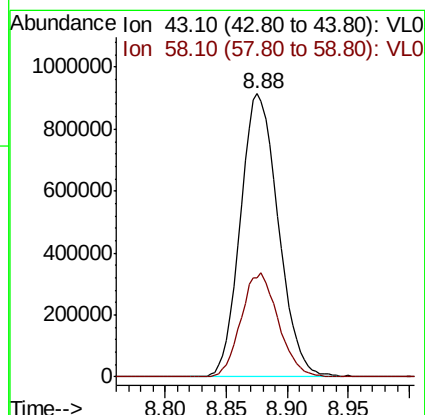
43 100

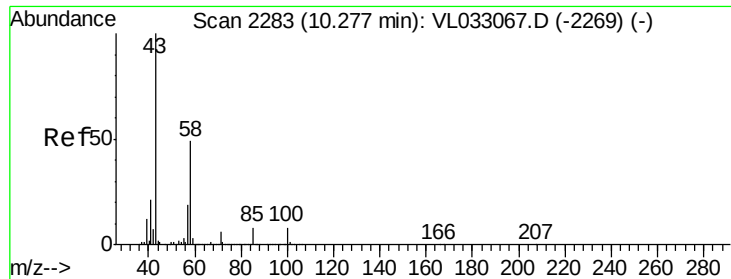
58 36.1 28.9 43.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

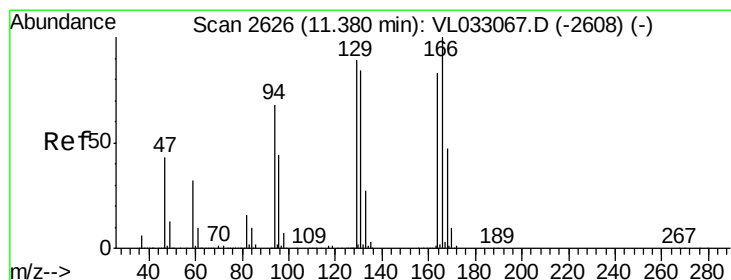
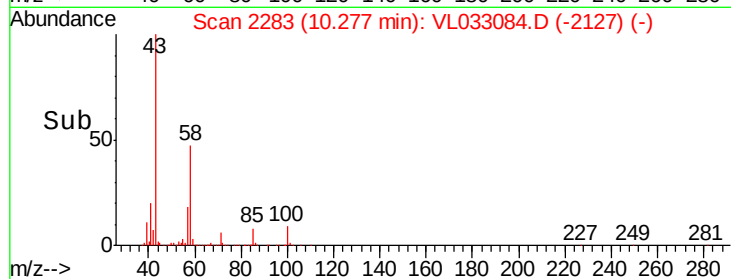
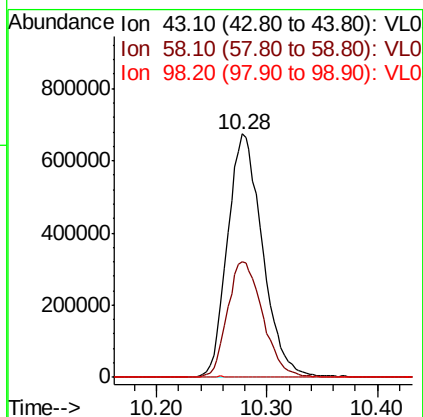
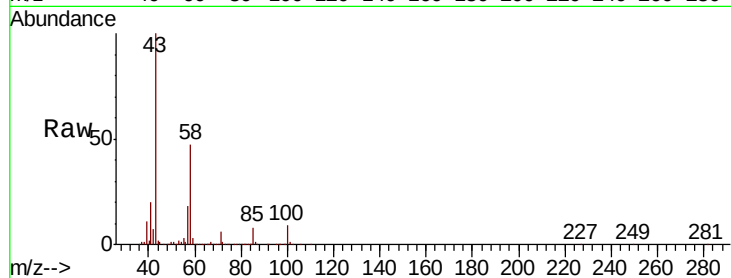




#51
2-Hexanone
Concen: 10.492 ppbv
RT: 10.28 min Scan# 2283
Delta R.T. 0.00 min
Lab File: VL033084.D
Acq: 5 Jan 2019 1:40

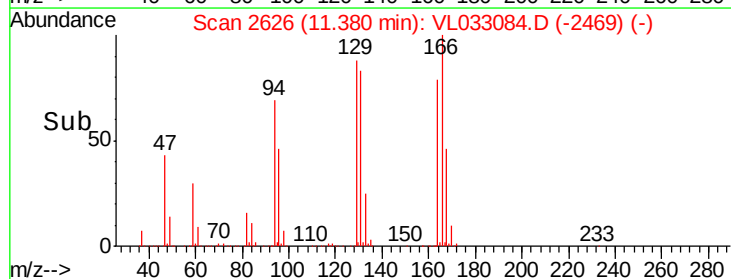
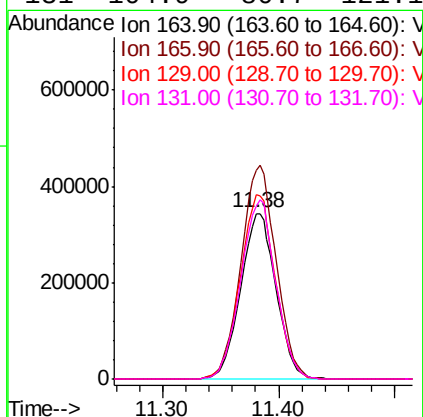
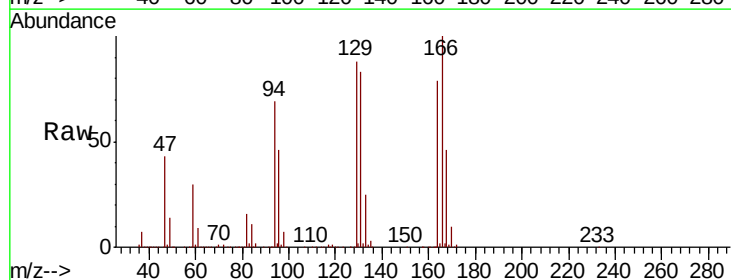
Instrument :
MSVOA_L
ClientSampleId :
VL0104ABS01

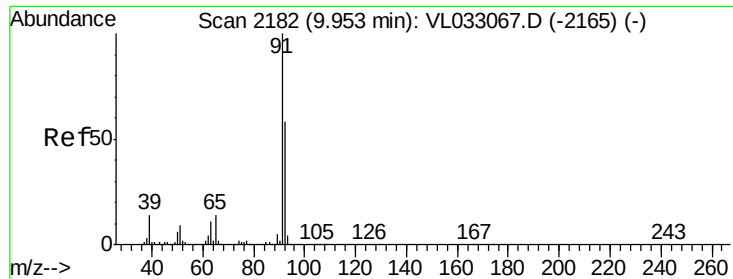
Tgt Ion: 43 Resp: 1481462
Ion Ratio Lower Upper
43 100
58 48.1 39.0 58.6
98 0.3 0.4 0.6#



#52
Tetrachloroethene
Concen: 9.462 ppbv
RT: 11.38 min Scan# 2626
Delta R.T. 0.00 min
Lab File: VL033084.D
Acq: 5 Jan 2019 1:40

Tgt Ion: 164 Resp: 726177
Ion Ratio Lower Upper
164 100
166 126.5 100.8 151.2
129 111.9 84.6 126.8
131 104.9 80.7 121.1





#53

Toluene

Concen: 10.281 ppbv

RT: 9.96 min Scan# 2183

Delta R.T. 0.00 min

Lab File: VL033084.D

Acq: 5 Jan 2019 1:40

Instrument :

MSVOA_L

ClientSampleId :

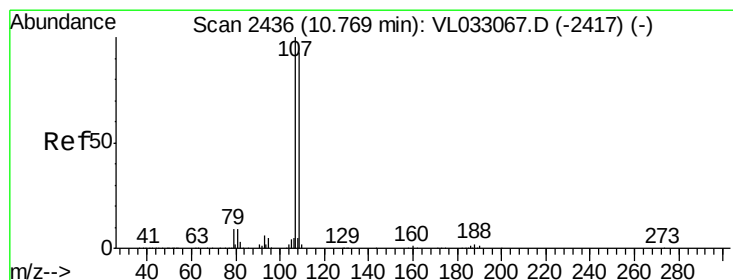
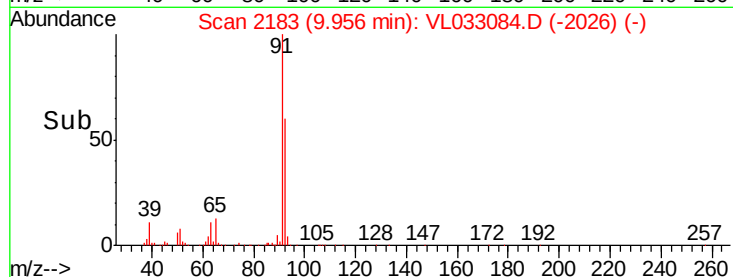
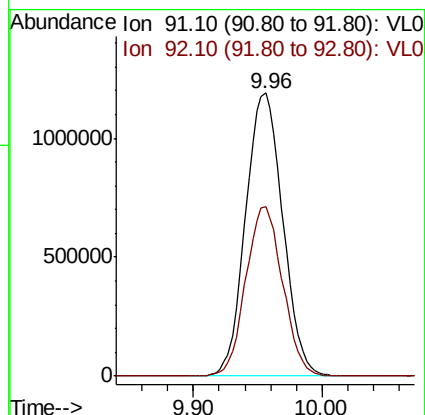
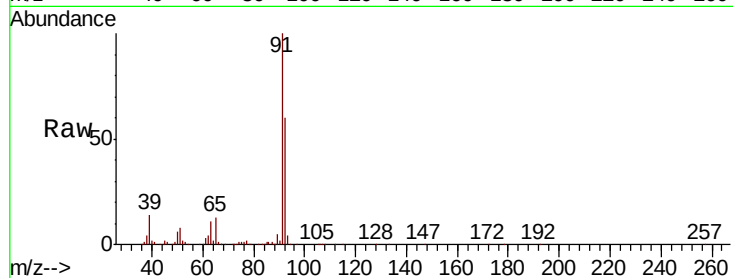
VL0104ABS01

Tgt Ion: 91 Resp: 2392039

Ion Ratio Lower Upper

91 100

92 59.3 47.7 71.5



#54

1,2-Dibromoethane

Concen: 9.601 ppbv

RT: 10.77 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VL033084.D

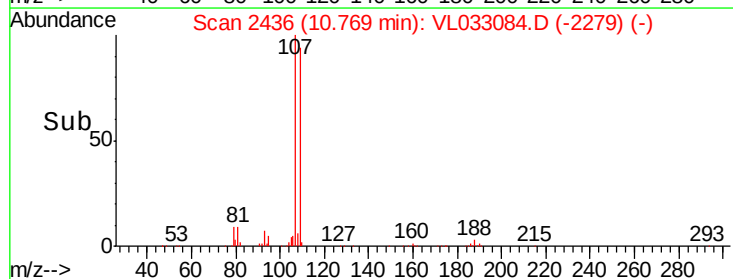
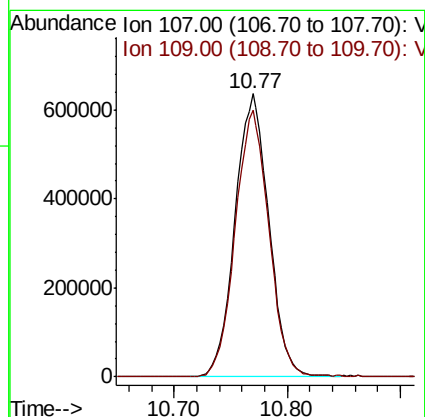
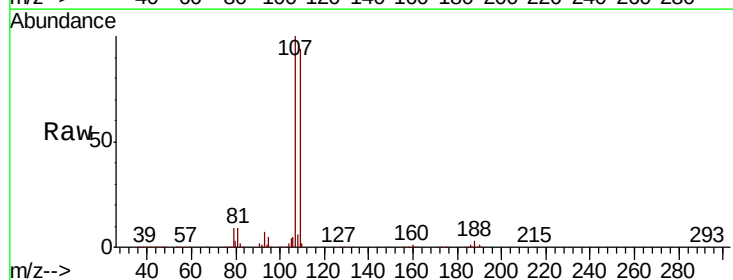
Acq: 5 Jan 2019 1:40

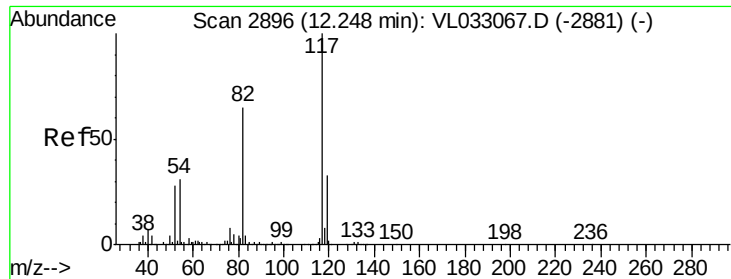
Tgt Ion: 107 Resp: 1318218

Ion Ratio Lower Upper

107 100

109 94.3 74.9 112.3

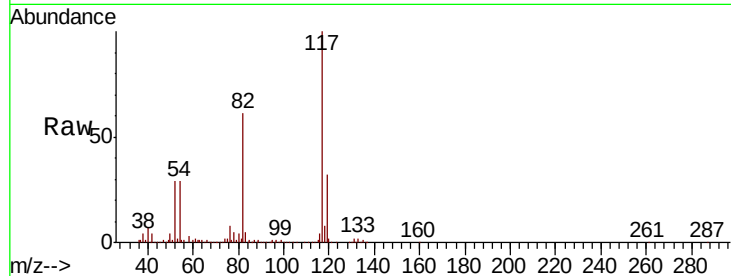




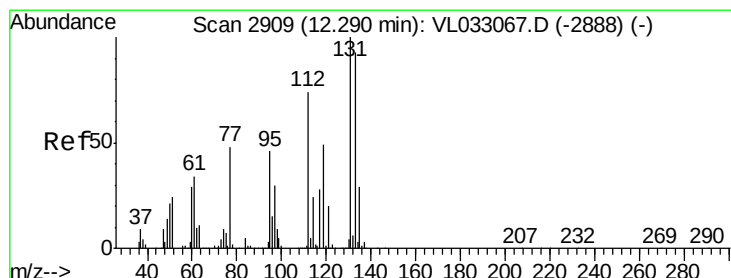
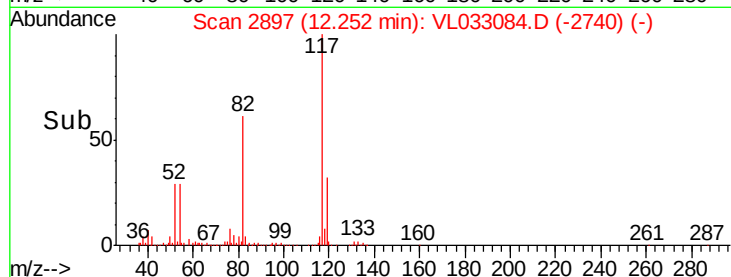
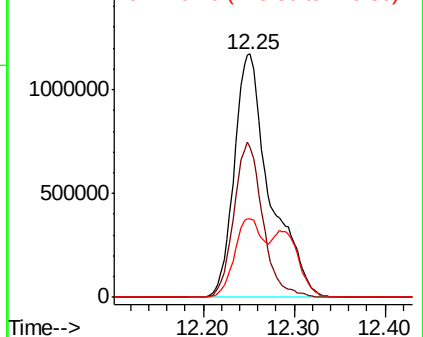
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VL033084.D
Acq: 5 Jan 2019 1:40

Instrument :
MSVOA_L
ClientSampleId :
VL0104ABS01

Tgt Ion:117 Resp: 3197108
Ion Ratio Lower Upper
117 100
82 51.4 48.9 73.3
119 27.8 24.6 37.0

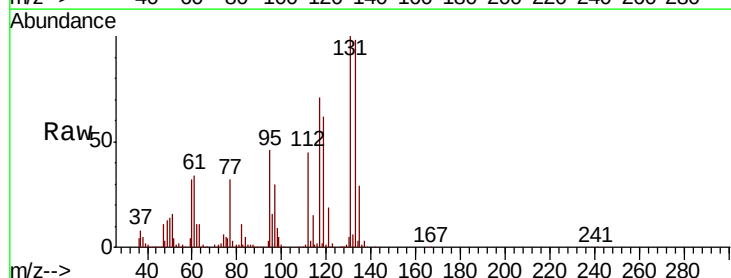


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

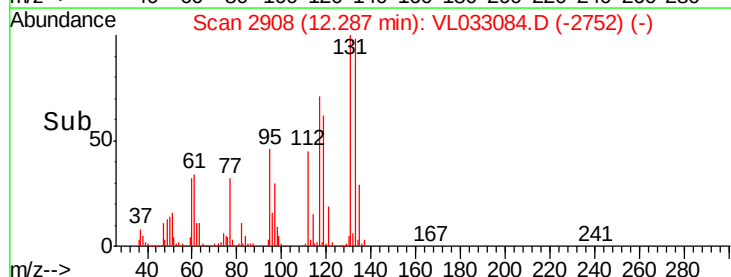
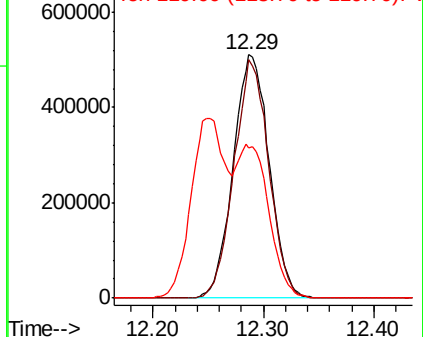


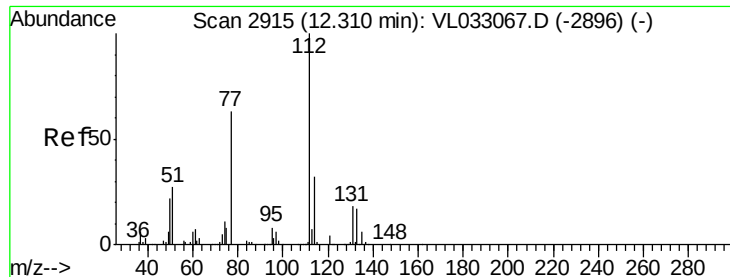
#56
1,1,1,2-Tetrachloroethane
Concen: 6.986 ppbv
RT: 12.29 min Scan# 2908
Delta R.T. 0.00 min
Lab File: VL033084.D
Acq: 5 Jan 2019 1:40

Tgt Ion:131 Resp: 1154045
Ion Ratio Lower Upper
131 100
133 94.8 76.0 114.0
119 57.3 44.2 66.2



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

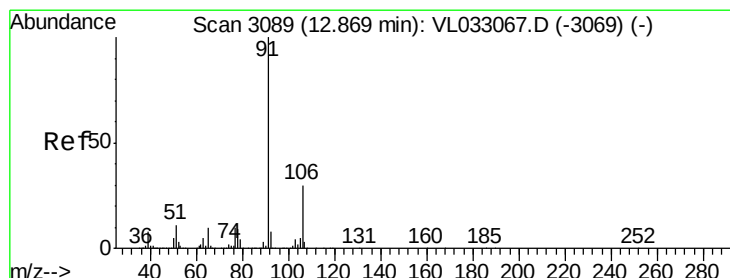
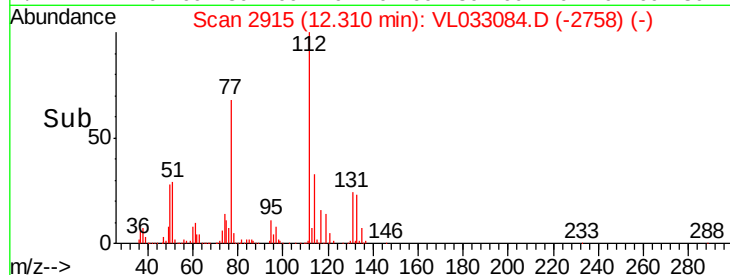
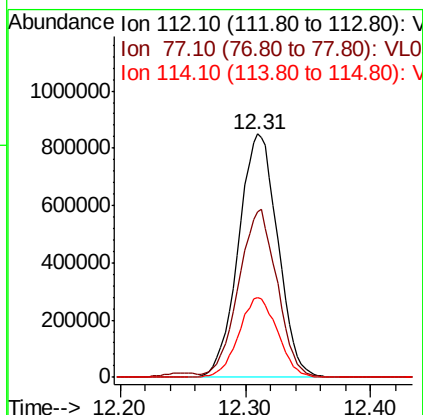
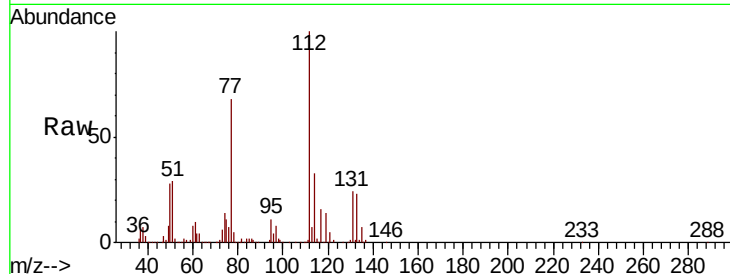




#57
Chlorobenzene
Concen: 6.944 ppbv
RT: 12.31 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VL033084.D
Acq: 5 Jan 2019 1:40

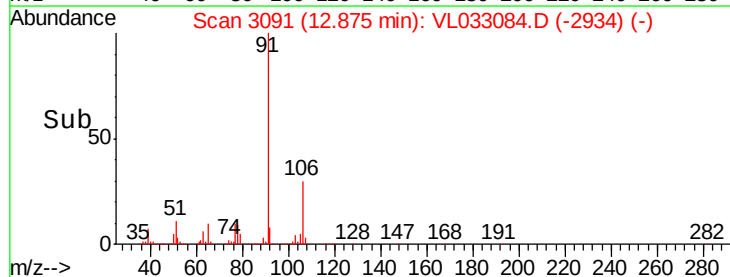
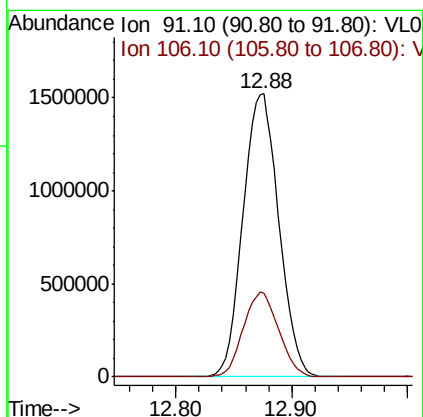
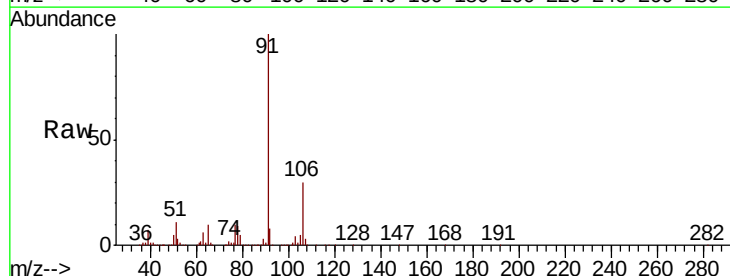
Instrument :
MSVOA_L
ClientSampleId :
VL0104ABS01

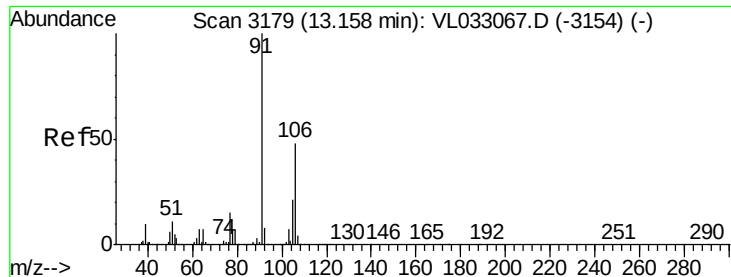
Tgt Ion: 112 Resp: 1853040
Ion Ratio Lower Upper
112 100
77 67.7 53.4 80.0
114 32.6 30.0 36.6



#58
Ethyl Benzene
Concen: 8.109 ppbv
RT: 12.88 min Scan# 3091
Delta R.T. 0.00 min
Lab File: VL033084.D
Acq: 5 Jan 2019 1:40

Tgt Ion: 91 Resp: 3273307
Ion Ratio Lower Upper
91 100
106 29.6 24.3 36.5





#59

m/p-Xylene

Concen: 6.943 ppbv

RT: 13.13 min Scan# 3171

Delta R.T. 0.00 min

Lab File: VL033084.D

Acq: 5 Jan 2019 1:40

Instrument :

MSVOA_L

ClientSampleId :

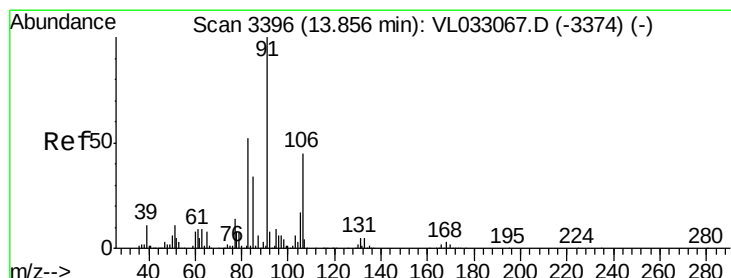
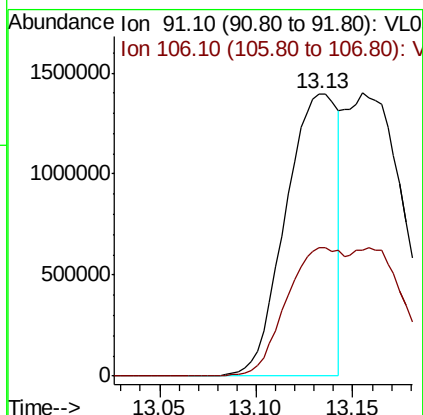
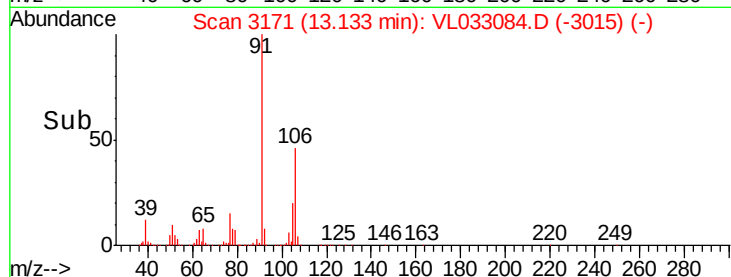
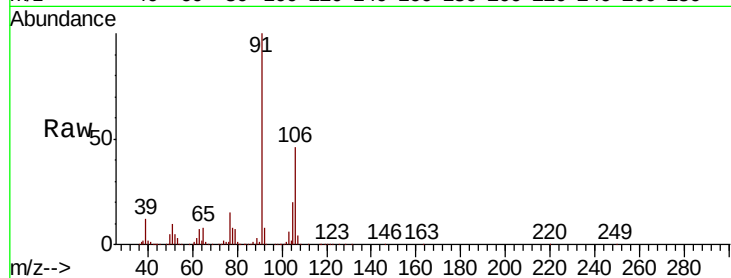
VL0104ABS01

Tgt Ion: 91 Resp: 2592470

Ion Ratio Lower Upper

91 100

106 97.0 0.0 0.0#



#60

o-Xylene

Concen: 7.296 ppbv

RT: 13.86 min Scan# 3398

Delta R.T. 0.00 min

Lab File: VL033084.D

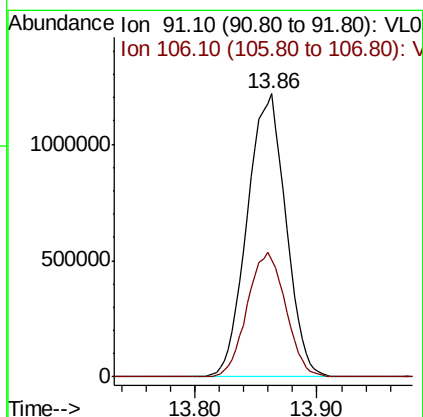
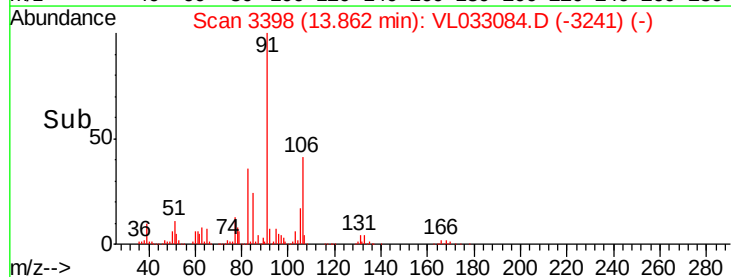
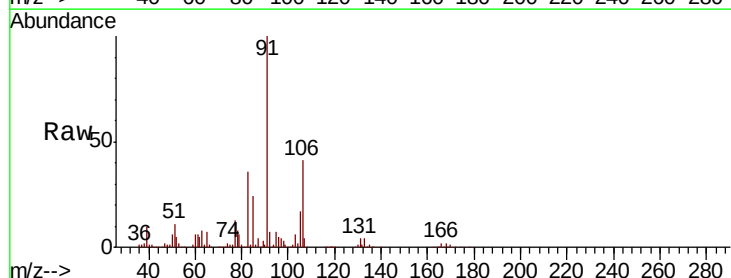
Acq: 5 Jan 2019 1:40

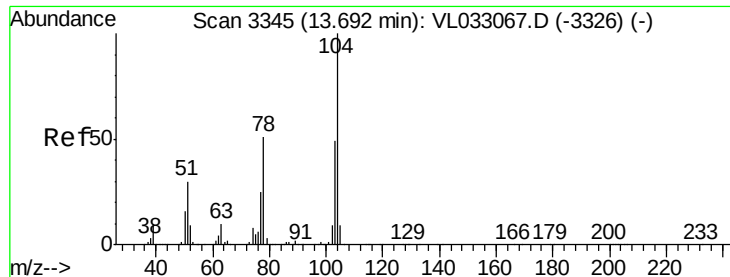
Tgt Ion: 91 Resp: 2667015

Ion Ratio Lower Upper

91 100

106 43.7 22.1 66.5





#61

Styrene

Concen: 8.381 ppbv

RT: 13.69 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VL033084.D

Acq: 5 Jan 2019 1:40

Instrument :

MSVOA_L

ClientSampleId :

VL0104ABS01

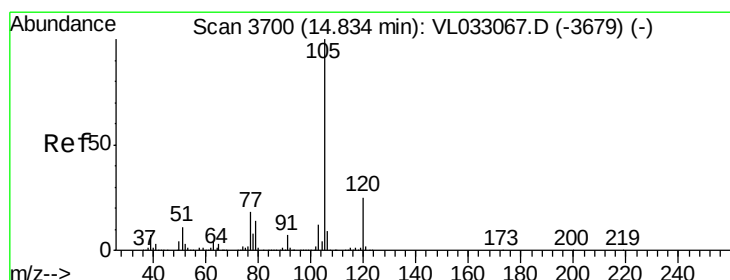
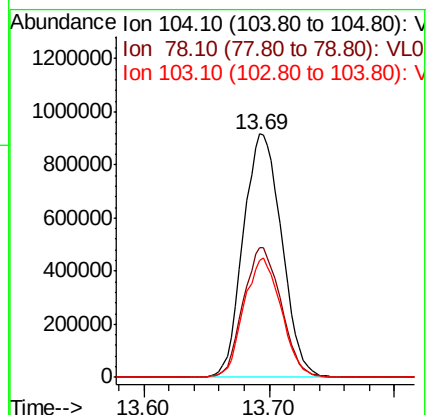
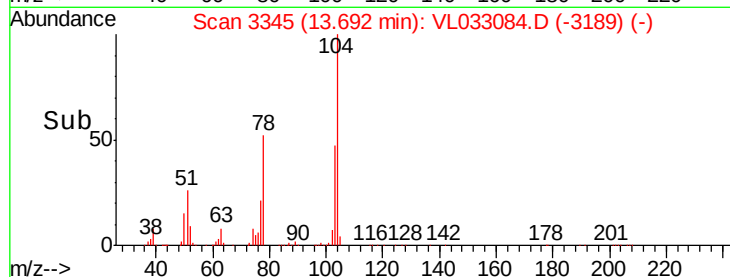
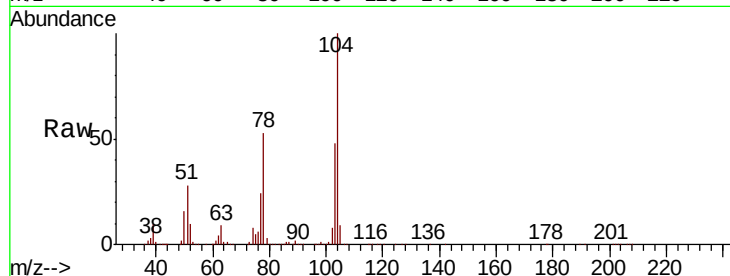
Tgt Ion:104 Resp: 1954890

Ion Ratio Lower Upper

104 100

78 52.6 41.6 62.4

103 47.7 38.1 57.1



#62

Isopropylbenzene

Concen: 7.179 ppbv

RT: 14.84 min Scan# 3701

Delta R.T. 0.00 min

Lab File: VL033084.D

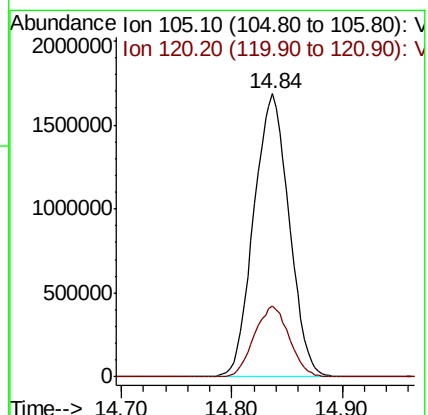
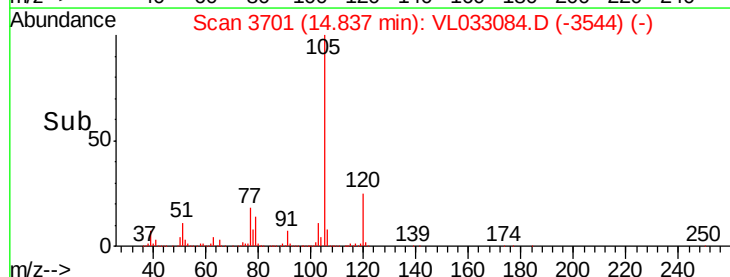
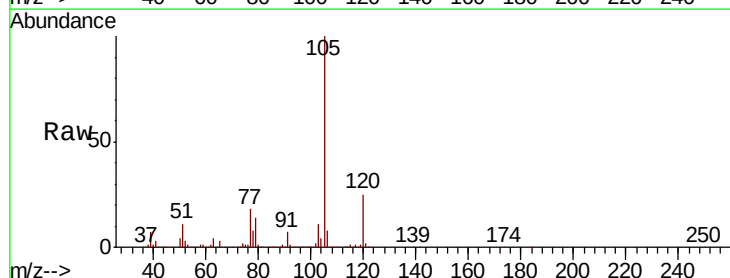
Acq: 5 Jan 2019 1:40

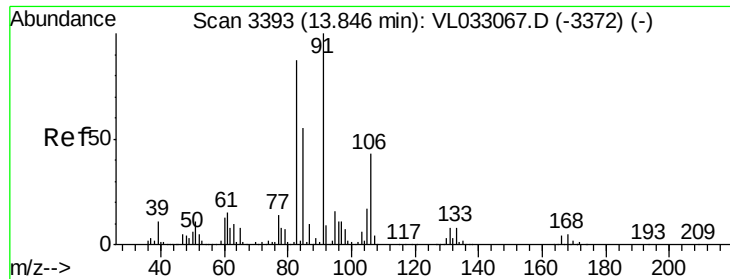
Tgt Ion:105 Resp: 3734690

Ion Ratio Lower Upper

105 100

120 24.9 20.4 30.6

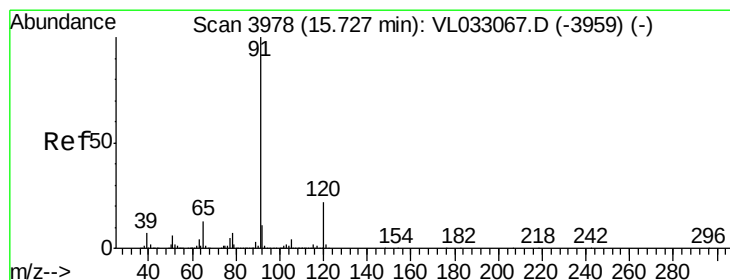
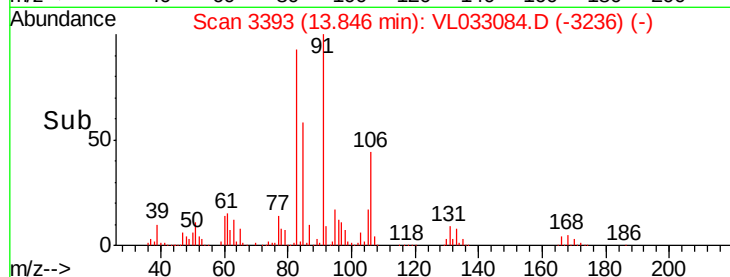
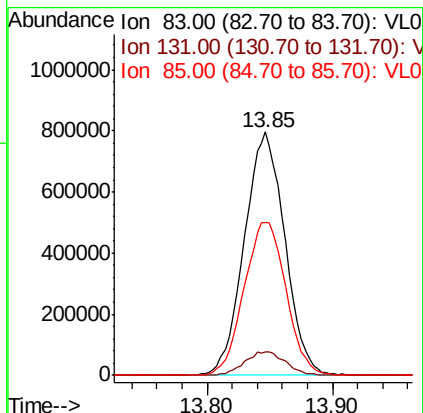
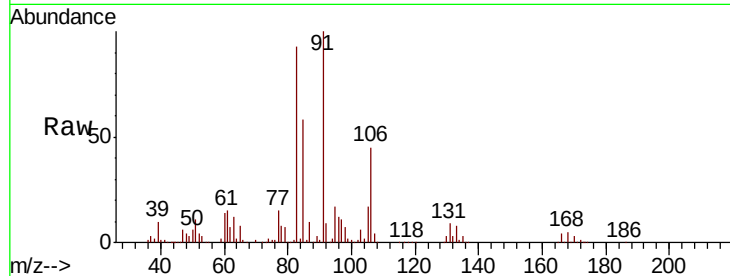




#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.568 ppbv
 RT: 13.85 min Scan# 3393
 Delta R.T. 0.00 min
 Lab File: VL033084.D
 Acq: 5 Jan 2019 1:40

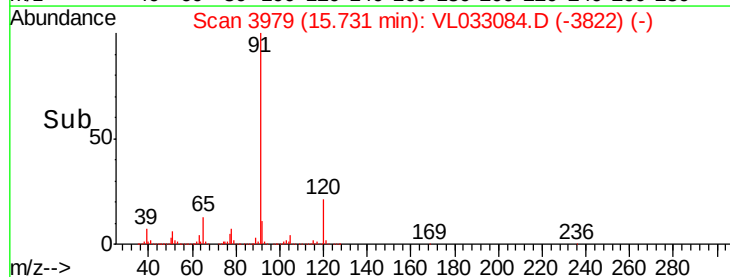
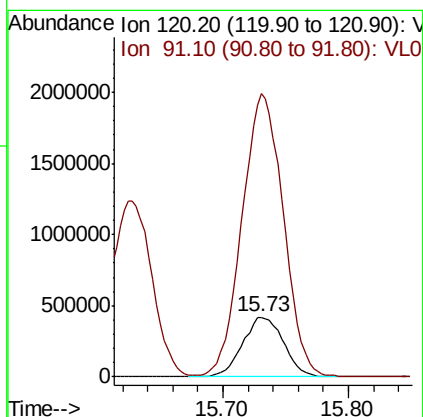
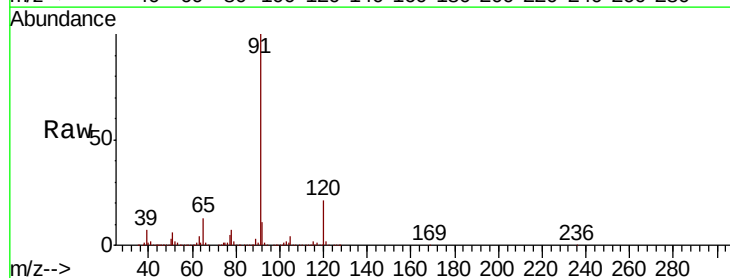
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0104ABS01

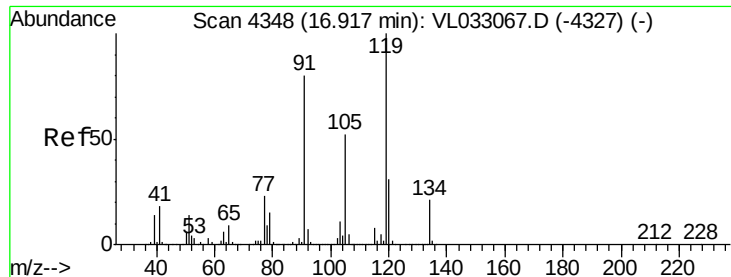
Tgt Ion: 83 Resp: 1783615
 Ion Ratio Lower Upper
 83 100
 131 9.8 4.8 14.4
 85 65.6 32.6 97.8



#64
 n-propylbenzene
 Concen: 7.260 ppbv
 RT: 15.73 min Scan# 3979
 Delta R.T. 0.00 min
 Lab File: VL033084.D
 Acq: 5 Jan 2019 1:40

Tgt Ion: 120 Resp: 959526
 Ion Ratio Lower Upper
 120 100
 91 476.3 378.7 568.1

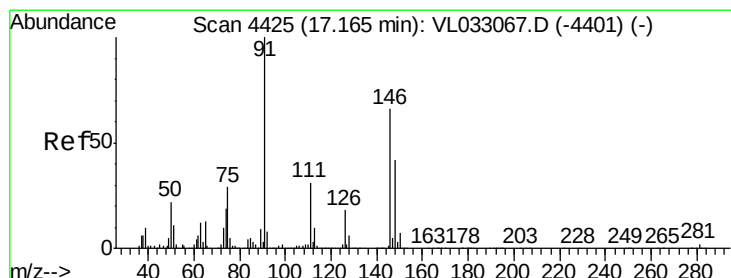
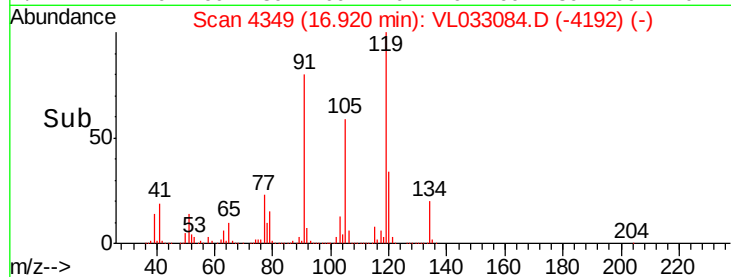
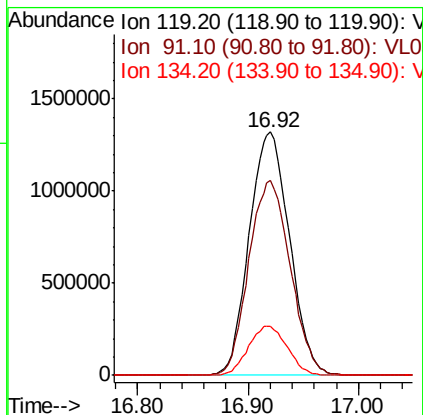
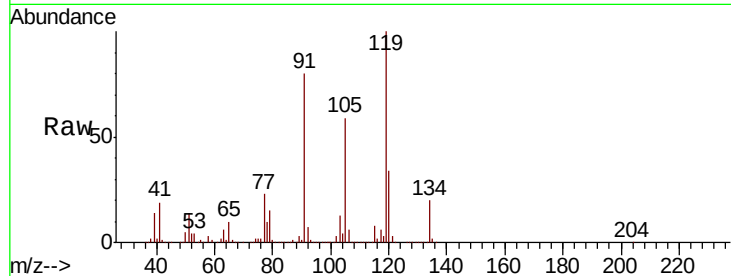




#65
 tert-Butylbenzene
 Concen: 7.252 ppbv
 RT: 16.92 min Scan# 4349
 Delta R.T. 0.00 min
 Lab File: VL033084.D
 Acq: 5 Jan 2019 1:40

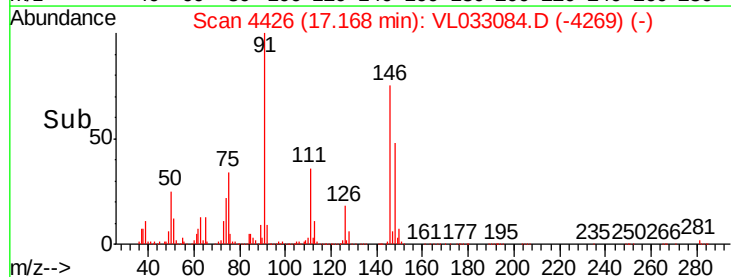
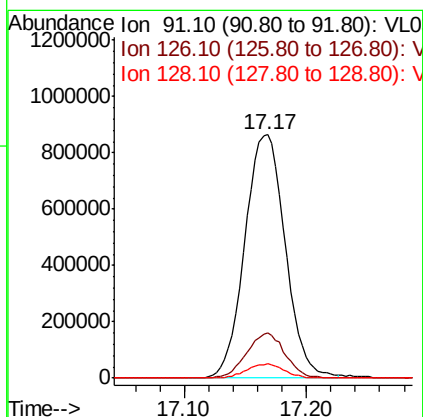
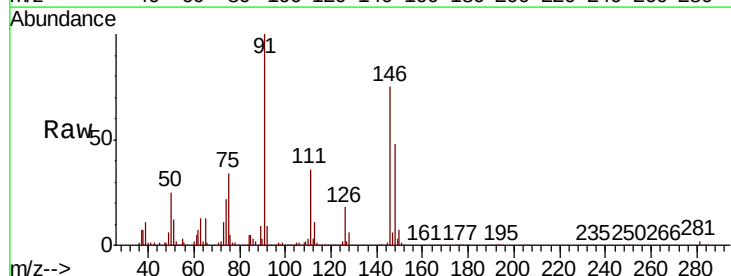
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0104ABS01

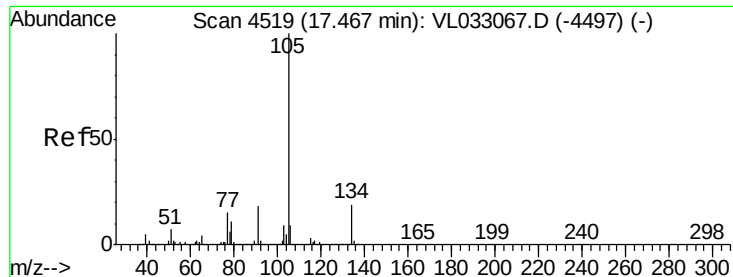
Tgt Ion: 119 Resp: 3342040
 Ion Ratio Lower Upper
 119 100
 91 82.5 64.6 97.0
 134 19.6 15.8 23.8



#66
 Benzyl Chloride
 Concen: 7.516 ppbv
 RT: 17.17 min Scan# 4426
 Delta R.T. 0.00 min
 Lab File: VL033084.D
 Acq: 5 Jan 2019 1:40

Tgt Ion: 91 Resp: 1974047
 Ion Ratio Lower Upper
 91 100
 126 17.8 14.4 21.6
 128 5.6 4.5 6.7





#67

sec-Butylbenzene

Concen: 7.174 ppbv

RT: 17.47 min Scan# 4520

Delta R.T. 0.00 min

Lab File: VL033084.D

Acq: 5 Jan 2019 1:40

Instrument :

MSVOA_L

ClientSampleId :

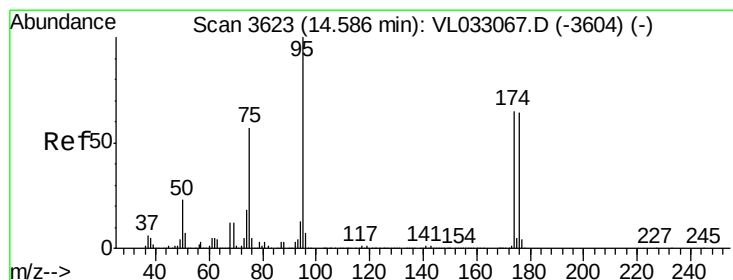
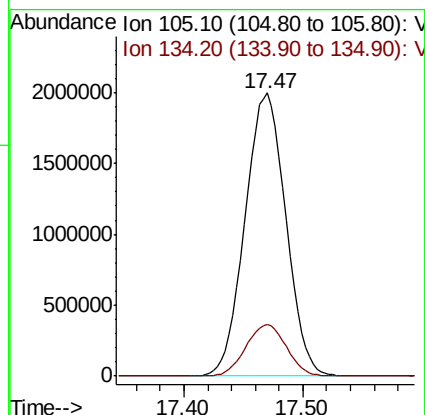
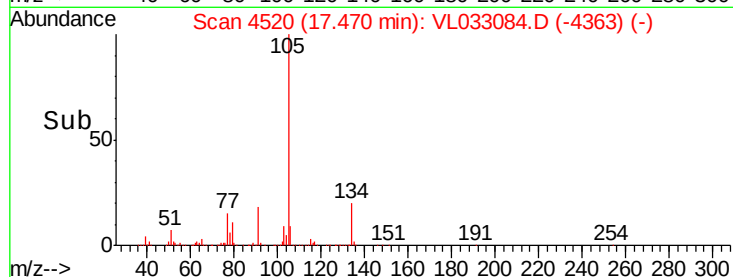
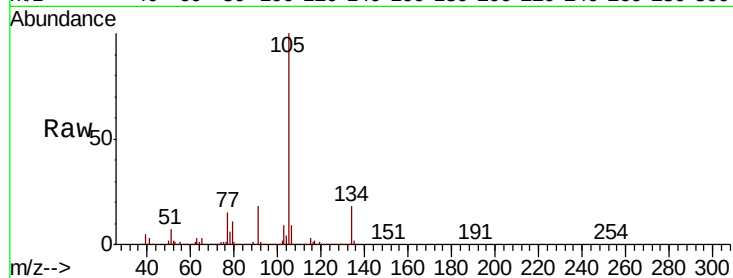
VL0104ABS01

Tgt Ion: 105 Resp: 4730934

Ion Ratio Lower Upper

105 100

134 18.2 14.6 21.8



#68

1-Bromo-4-Fluorobenzene

Concen: 8.225 ppbv

RT: 14.59 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VL033084.D

Acq: 5 Jan 2019 1:40

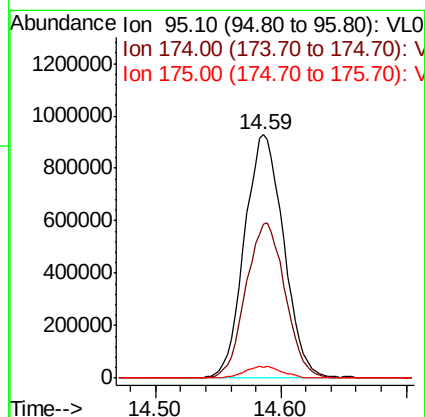
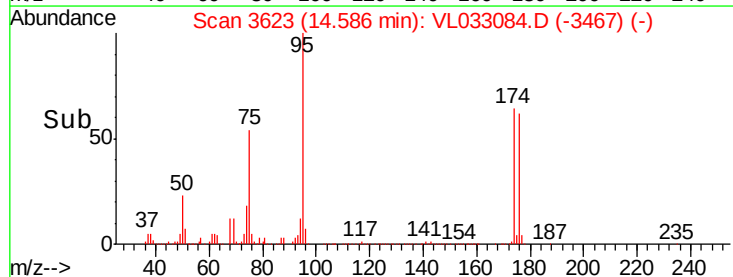
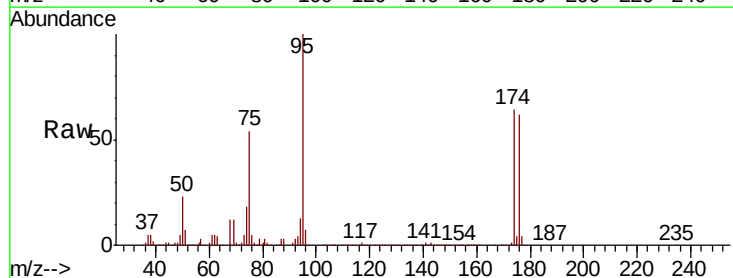
Tgt Ion: 95 Resp: 2015719

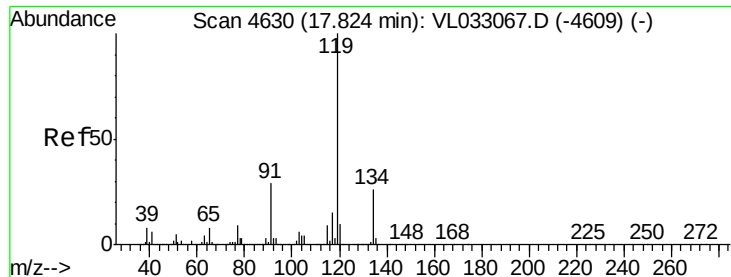
Ion Ratio Lower Upper

95 100

174 64.4 51.9 77.9

175 4.7 3.9 5.9



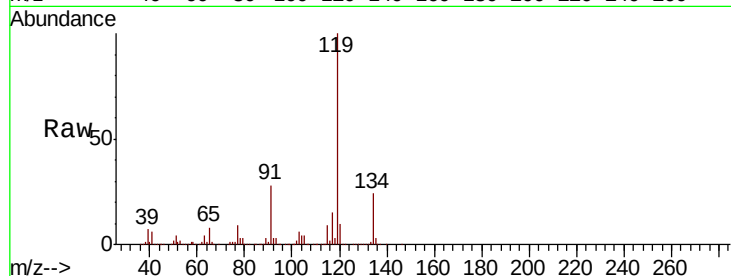


#69
 p-Isopropyltoluene
 Concen: 7.480 ppbv
 RT: 17.83 min Scan# 4631
 Delta R.T. 0.00 min
 Lab File: VL033084.D
 Acq: 5 Jan 2019 1:40

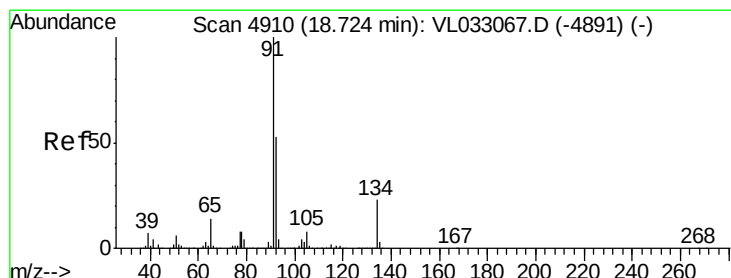
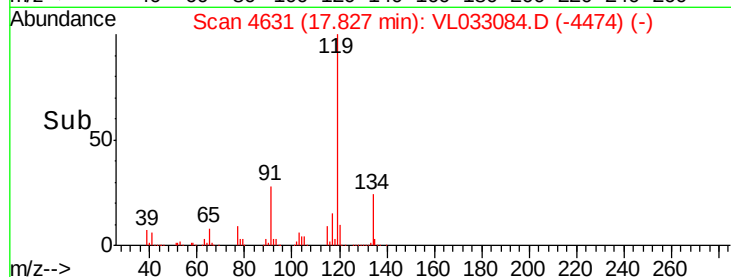
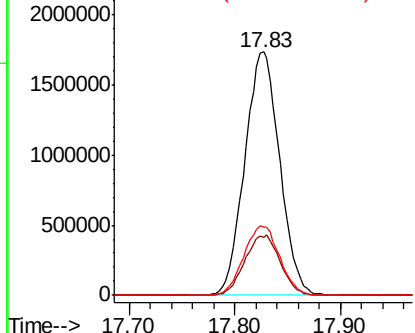
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0104ABS01

Tgt Ion: 119 Resp: 4003757

Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.1	30.1
91	29.4	23.0	34.4



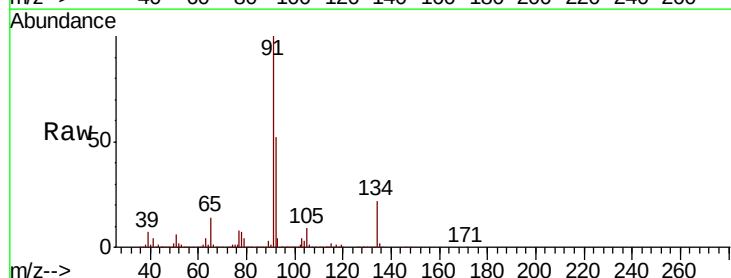
Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V



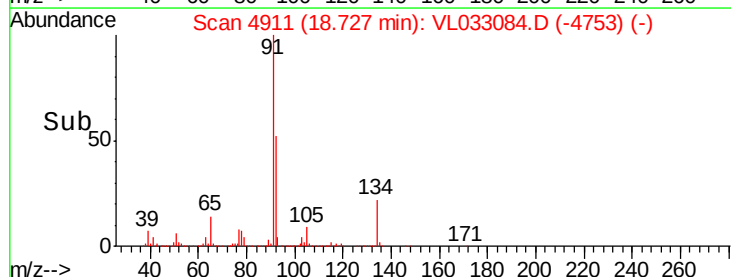
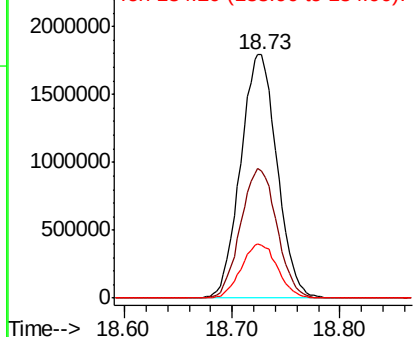
#70
 n-Butylbenzene
 Concen: 7.826 ppbv
 RT: 18.73 min Scan# 4911
 Delta R.T. 0.01 min
 Lab File: VL033084.D
 Acq: 5 Jan 2019 1:40

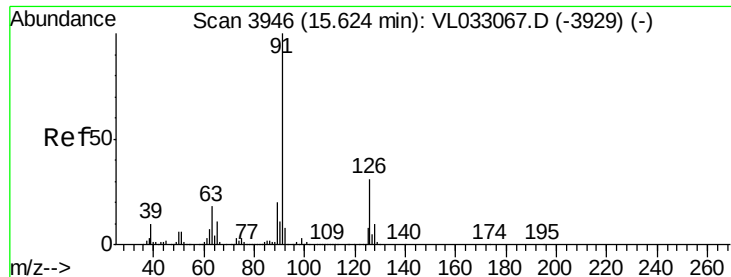
Tgt Ion: 91 Resp: 4211125

Ion	Ratio	Lower	Upper
91	100		
92	53.0	42.4	63.6
134	22.2	18.0	27.0



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





#71

2-Chlorotoluene

Concen: 7.580 ppbv

RT: 15.63 min Scan# 3947

Delta R.T. 0.00 min

Lab File: VL033084.D

Acq: 5 Jan 2019 1:40

Instrument :

MSVOA_L

ClientSampleId :

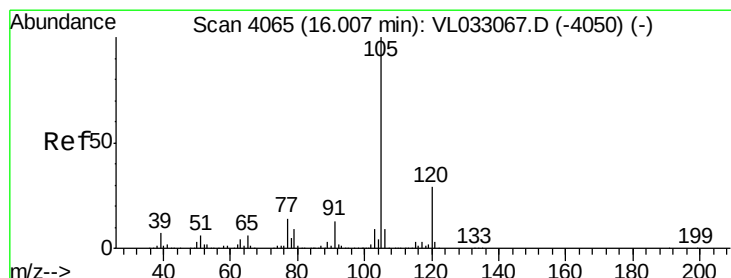
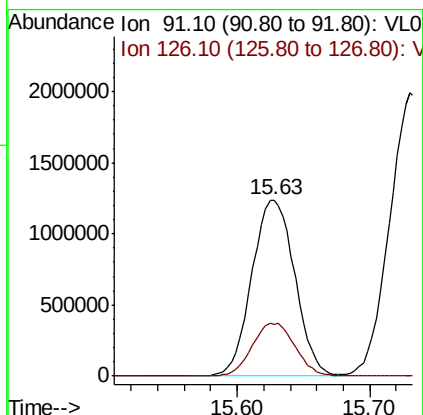
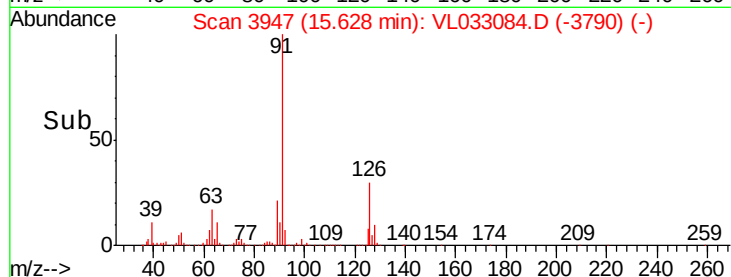
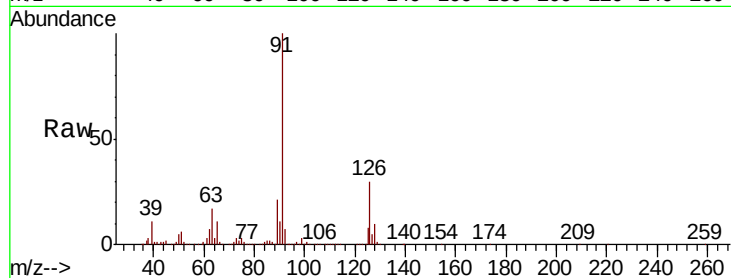
VL0104ABS01

Tgt Ion: 91 Resp: 2796795

Ion Ratio Lower Upper

91 100

126 29.9 12.4 49.6



#72

4-Ethyltoluene

Concen: 7.607 ppbv

RT: 16.01 min Scan# 4066

Delta R.T. 0.00 min

Lab File: VL033084.D

Acq: 5 Jan 2019 1:40

Tgt Ion: 105 Resp: 3056063

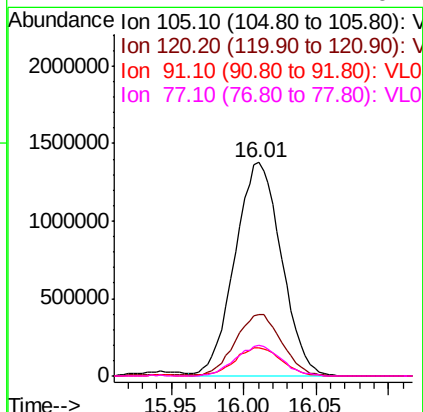
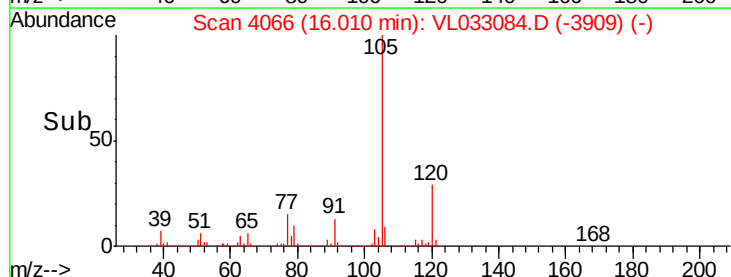
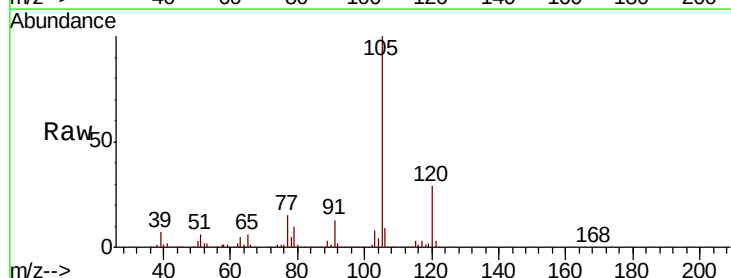
Ion Ratio Lower Upper

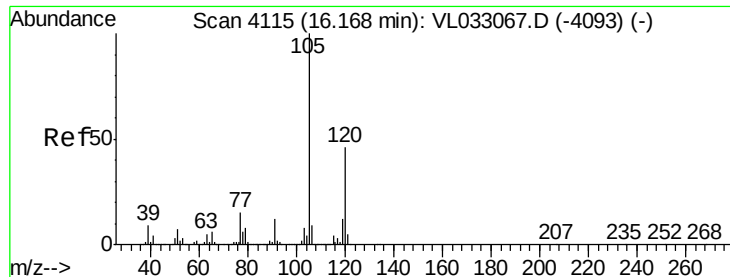
105 100

120 29.7 23.0 34.6

91 13.4 10.3 15.5

77 14.2 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 7.426 ppbv

RT: 16.17 min Scan# 4115

Delta R.T. 0.00 min

Lab File: VL033084.D

Acq: 5 Jan 2019 1:40

Instrument :

MSVOA_L

ClientSampleId :

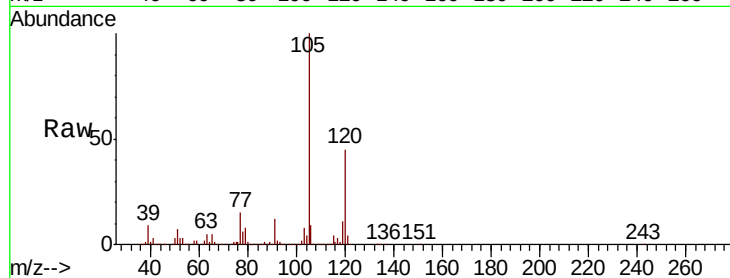
VL0104ABS01

Tgt Ion:105 Resp: 2943716

Ion Ratio Lower Upper

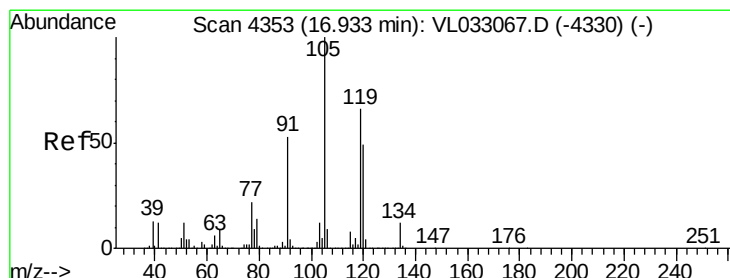
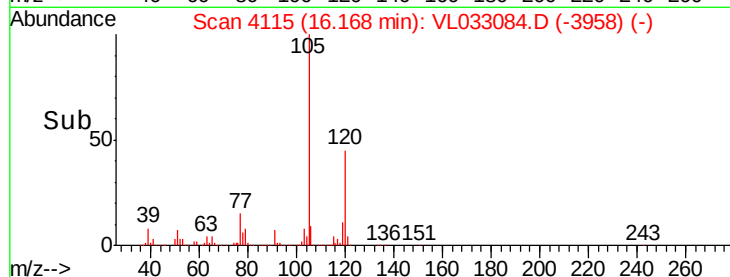
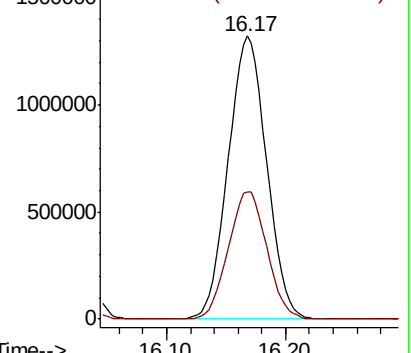
105 100

120 45.1 36.1 54.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 7.017 ppbv

RT: 16.94 min Scan# 4354

Delta R.T. 0.00 min

Lab File: VL033084.D

Acq: 5 Jan 2019 1:40

Tgt Ion:105 Resp: 3080599

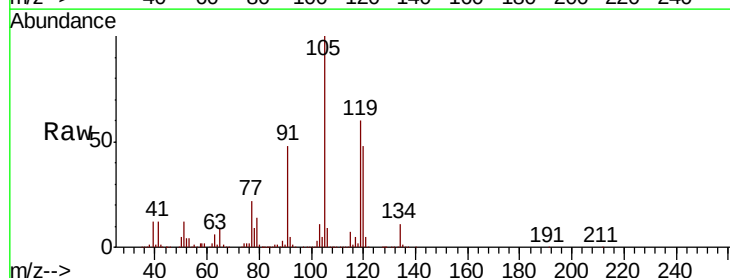
Ion Ratio Lower Upper

105 100

120 47.7 37.0 55.4

91 48.0 35.4 53.0

77 21.7 17.1 25.7

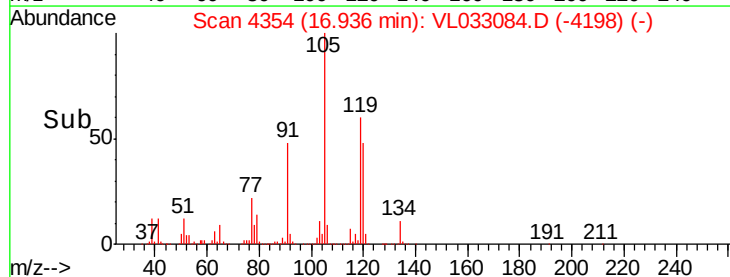
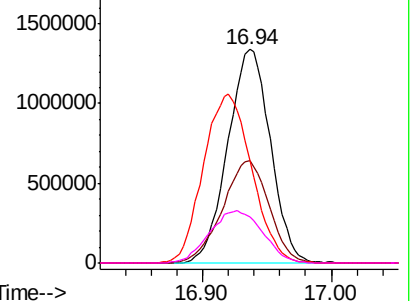


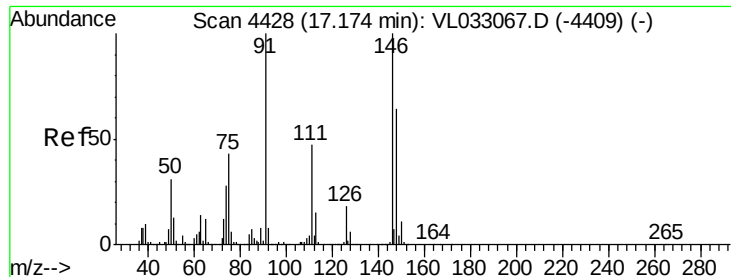
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): V

Ion 77.10 (76.80 to 77.80): V

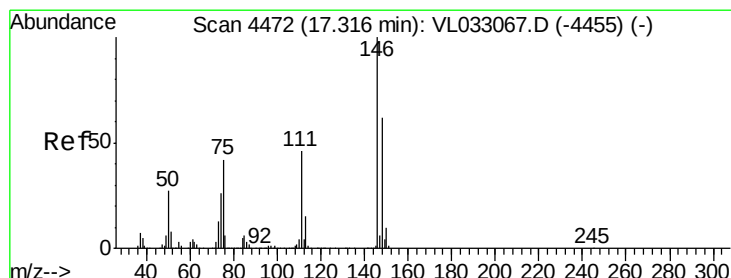
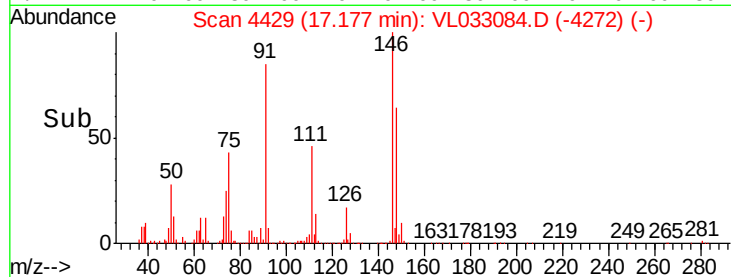
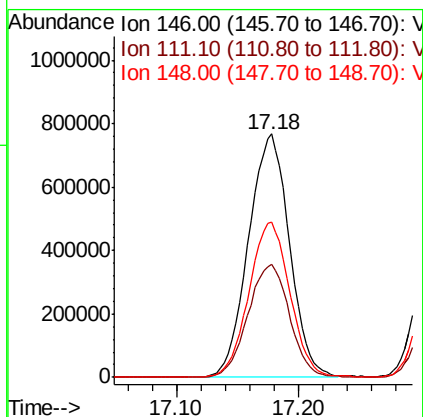
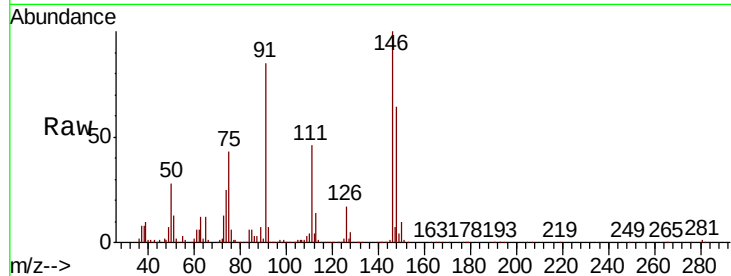




#75
 1,3-Dichlorobenzene
 Concen: 6.894 ppbv
 RT: 17.18 min Scan# 4429
 Delta R.T. 0.00 min
 Lab File: VL033084.D
 Acq: 5 Jan 2019 1:40

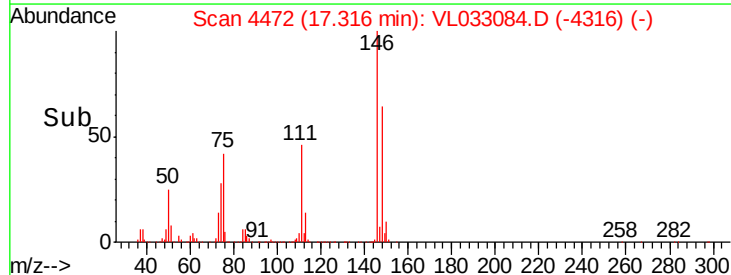
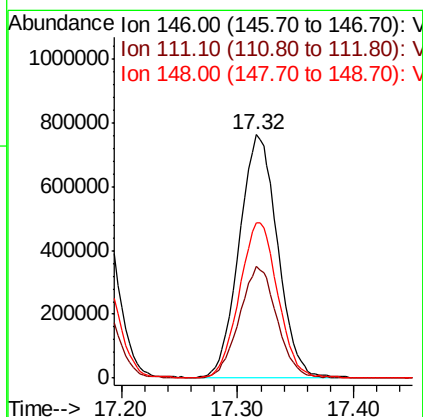
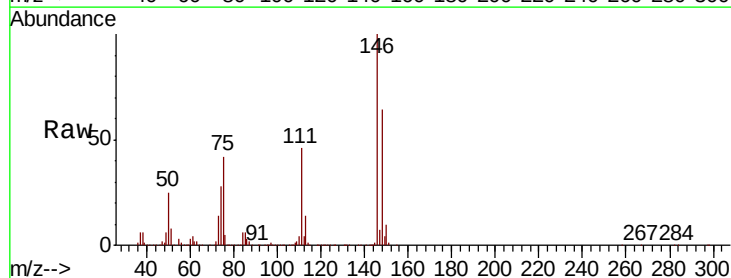
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0104ABS01

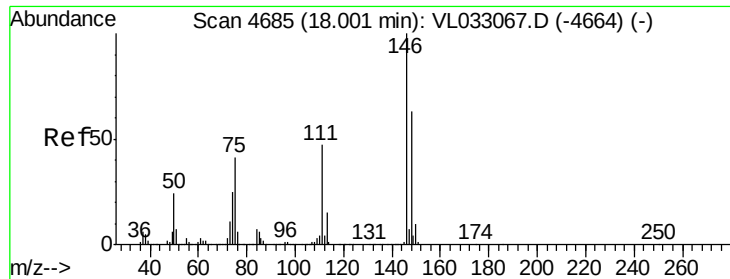
Tgt Ion:146 Resp: 1781461
 Ion Ratio Lower Upper
 146 100
 111 47.3 23.4 70.2
 148 63.9 32.1 96.3



#76
 1,4-Dichlorobenzene
 Concen: 7.399 ppbv
 RT: 17.32 min Scan# 4472
 Delta R.T. 0.00 min
 Lab File: VL033084.D
 Acq: 5 Jan 2019 1:40

Tgt Ion:146 Resp: 1741578
 Ion Ratio Lower Upper
 146 100
 111 45.3 22.7 68.1
 148 64.5 32.4 97.2

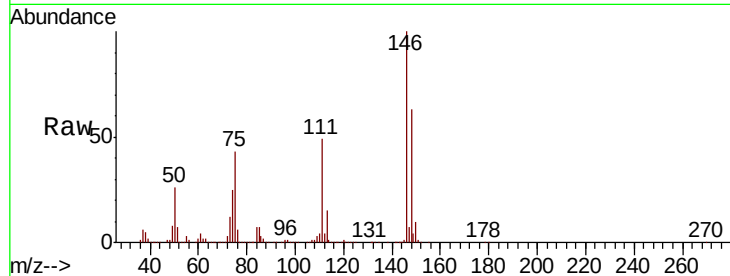




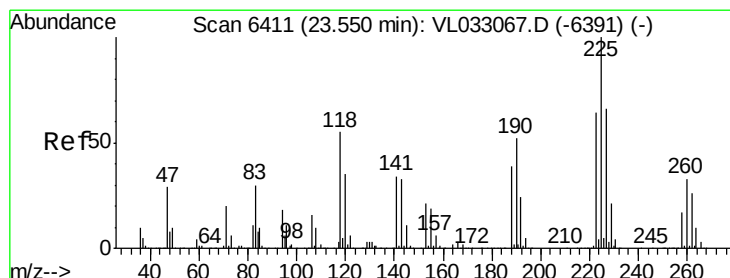
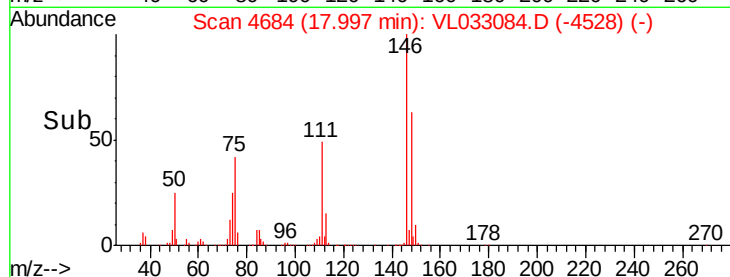
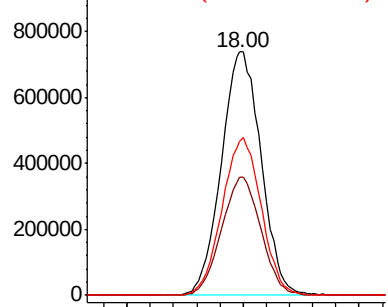
#77
 1,2-Dichlorobenzene
 Concen: 7.563 ppbv
 RT: 18.00 min Scan# 4684
 Delta R.T. 0.00 min
 Lab File: VL033084.D
 Acq: 5 Jan 2019 1:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0104ABS01

Tgt Ion:146 Resp: 1760064
 Ion Ratio Lower Upper
 146 100
 111 48.3 24.4 73.2
 148 64.0 32.3 96.9

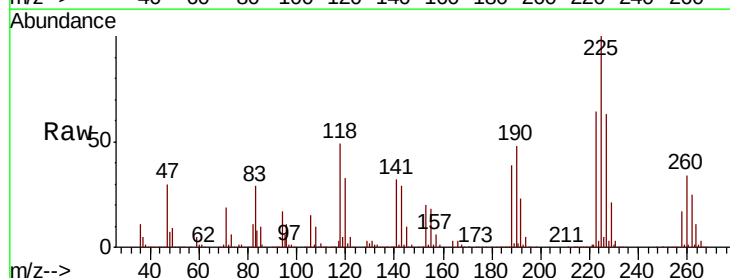


Abundance Ion 146.00 (145.70 to 146.70): V
 1000000 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

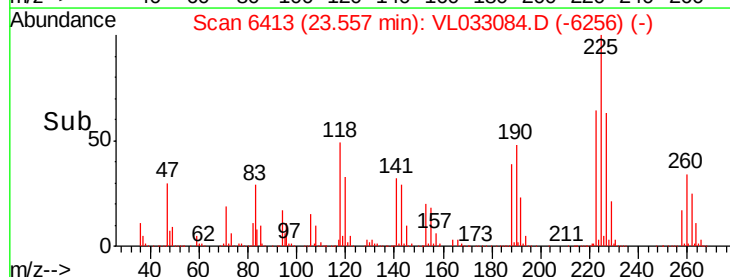
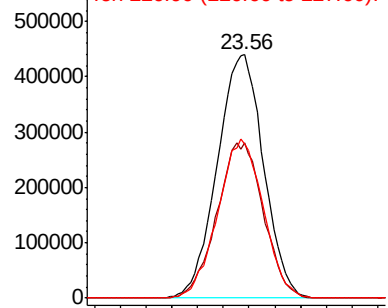


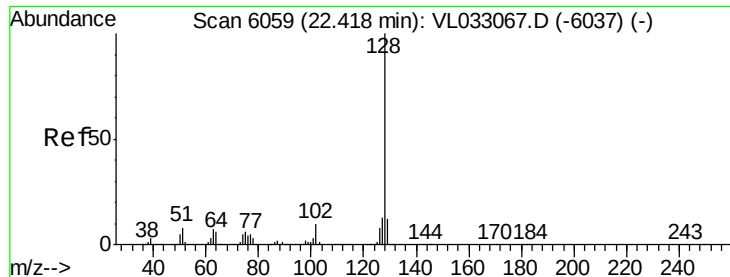
#78
 Hexachloro-1,3-Butadiene
 Concen: 6.144 ppbv
 RT: 23.56 min Scan# 6413
 Delta R.T. 0.00 min
 Lab File: VL033084.D
 Acq: 5 Jan 2019 1:40

Tgt Ion:225 Resp: 1098134
 Ion Ratio Lower Upper
 225 100
 223 64.2 51.0 76.6
 227 64.2 51.0 76.4



Abundance Ion 224.90 (224.60 to 225.60): V
 600000 Ion 222.90 (222.60 to 223.60): V
 Ion 226.90 (226.60 to 227.60): V

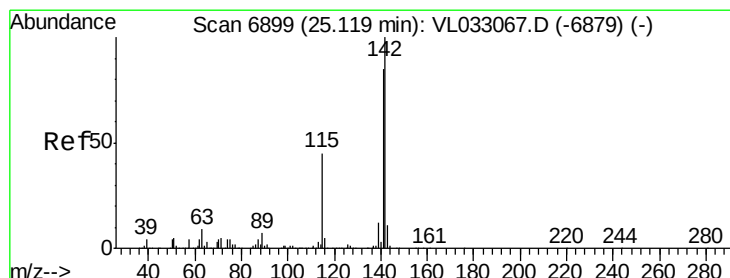
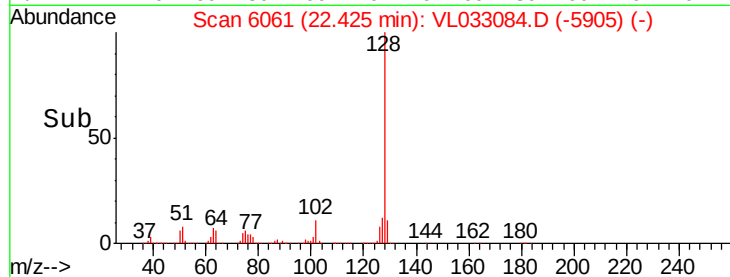
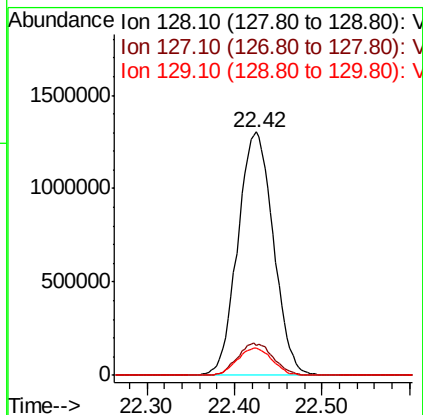
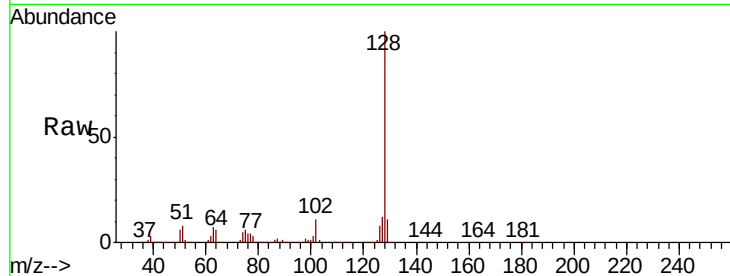




#79
Naphthalene
Concen: 9.930 ppbv
RT: 22.42 min Scan# 6061
Delta R.T. 0.00 min
Lab File: VL033084.D
Acq: 5 Jan 2019 1:40

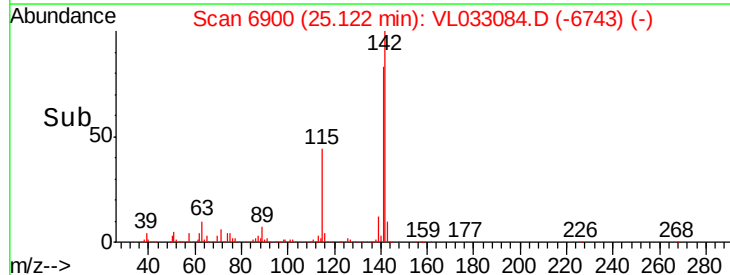
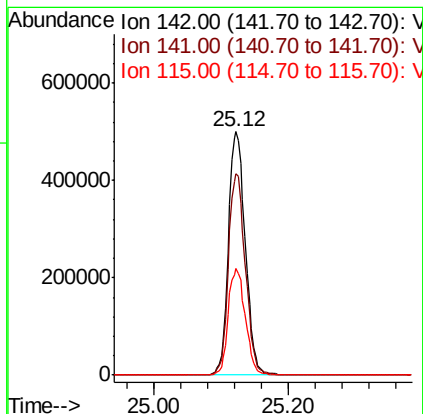
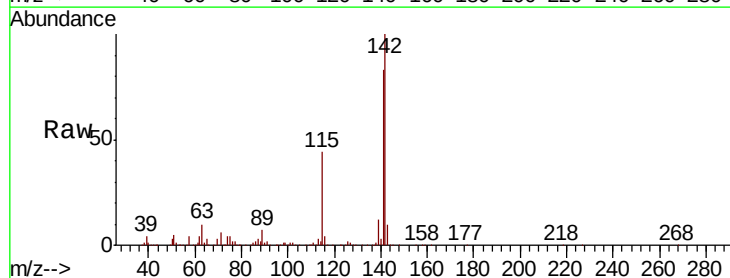
Instrument :
MSVOA_L
ClientSampleId :
VL0104ABS01

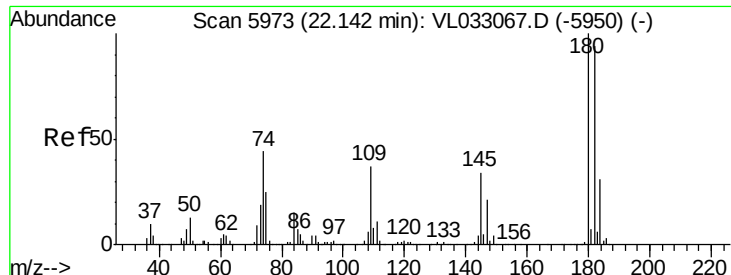
Tgt Ion:128 Resp: 3671899
Ion Ratio Lower Upper
128 100
127 12.5 11.0 16.6
129 11.2 9.4 14.0



#80
Naphthalene, 2-methyl-
Concen: 7.785 ppbv
RT: 25.12 min Scan# 6900
Delta R.T. 0.00 min
Lab File: VL033084.D
Acq: 5 Jan 2019 1:40

Tgt Ion:142 Resp: 873609
Ion Ratio Lower Upper
142 100
141 83.5 68.6 103.0
115 44.6 35.6 53.4





#81
 1,2,4-Trichlorobenzene
 Concen: 9.592 ppbv
 RT: 22.15 min Scan# 5976
 Delta R.T. 0.01 min
 Lab File: VL033084.D
 Acq: 5 Jan 2019 1:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0104ABS01

Tgt Ion:180 Resp: 1713533
 Ion Ratio Lower Upper
 180 100
 182 94.3 76.1 114.1
 184 30.2 24.6 37.0

