

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082018\
 Data File : VL032408.D
 Acq On : 20 Aug 2018 17:20
 Operator : SY/AP
 Sample : VL0820ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 21 01:41:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018
 QLast Update : Wed Aug 15 14:58:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.82	49	1785404	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.35	114	3624063	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.30	117	4588991	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.64	95	2785147	7.96	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	79.60%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.11	85	1916781	13.509	ppbv	99
3) Chlorodifluoromethane	3.05	51	1632880	9.873	ppbv	99
4) Chloromethane	3.21	50	1011694	10.278	ppbv	99
5) Vinyl Chloride	3.32	62	943983	10.061	ppbv	99
6) Bromomethane	3.55	94	536719	10.669	ppbv	97
7) Chloroethane	3.64	64	344196	10.461	ppbv	94
8) Dichlorotetrafluoroethane	3.25	85	2007259	9.949	ppbv	99
9) Propene	3.07	41	746136	10.541	ppbv	98
10) Heptane	8.31	43	2639366	12.380	ppbv	100
11) Trichlorofluoromethane	4.04	101	2058297	10.308	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.60	101	1351050	10.048	ppbv	98
13) Ethanol	3.69	45	200900	11.051	ppbv	97
14) Bromoethene	3.83	108	638464	10.978	ppbv	99
15) Acetone	3.94	43	1631369	9.617	ppbv	100
16) 1,3-Butadiene	3.40	39	729333	10.414	ppbv	96
17) tert-Butyl alcohol	4.40	59	298013	10.470	ppbv	99
18) 1,1-Dichloroethene	4.40	96	647511	10.335	ppbv	98
19) Isopropyl Alcohol	4.06	45	1256266	10.998	ppbv #	98
20) Methylene Chloride	4.45	84	576110	8.992	ppbv	97
21) Allyl Chloride	4.52	41	1153091	10.770	ppbv	99
22) trans-1,2-Dichloroethene	5.01	96	700484	11.087	ppbv	98
23) Vinyl Acetate	5.20	43	3130494	10.687	ppbv	99
24) 1,1-Dichloroethane	5.14	63	2205531	10.428	ppbv	99
25) Ethyl Acetate	5.82	43	3765383	10.358	ppbv	99
26) Hexane	5.83	57	1721415	10.622	ppbv	99
27) Carbon Disulfide	4.67	76	1711173	11.313	ppbv	99
28) Methyl tert-Butyl Ether	5.16	73	2386134	11.095	ppbv	100
29) Chloroform	5.90	83	2531909	10.660	ppbv	99
30) Cyclohexane	7.31	84	1381026	11.187	ppbv	100
31) cis-1,2-Dichloroethene	5.69	61	1736326	10.951	ppbv	99
32) 1,1,1-Trichloroethane	6.67	97	2246448	9.719	ppbv	99
34) 2-Butanone	5.38	43	2701542	10.953	ppbv	98
35) Carbon Tetrachloride	7.19	117	2414708	11.300	ppbv	100
36) Benzene	7.06	78	3413988	11.111	ppbv	99
37) 1,2-Dichloroethane	6.47	62	1971729	10.577	ppbv	99
38) Trichloroethene	8.02	130	1276911	11.849	ppbv	95
39) 1,2-Dichloropropane	7.80	63	1379261	10.747	ppbv	99
40) 1,4-Dioxane	8.02	88	514339	13.193	ppbv	94
41) Tetrahydrofuran	6.20	42	1555890	11.750	ppbv	99
42) Bromodichloromethane	7.98	83	2921692	11.970	ppbv	98
43) Methyl Methacrylate	8.20	69	1594982	13.028	ppbv	99

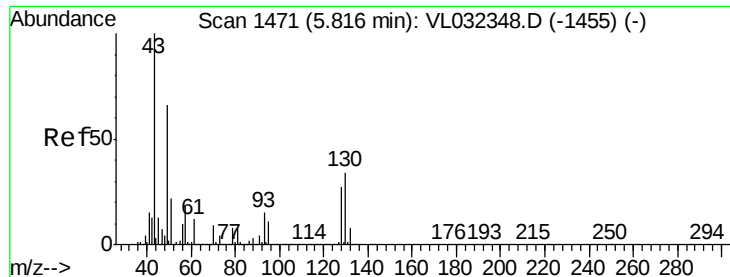
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082018\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.05	57	6697323	12.088	ppbv	100
45) t-1,3-Dichloropropene	9.48	75	1723689	11.132	ppbv	100
46) cis-1,3-Dichloropropene	8.90	75	2319071	12.488	ppbv	97
47) 1,1,2-Trichloroethane	9.68	97	1305425	9.242	ppbv	96
48) Dibromochloromethane	10.51	129	2059520	10.906	ppbv	100
49) Bromoform	13.27	173	1798554	11.466	ppbv	100
50) 4-Methyl-2-Pentanone	8.93	43	4036831	11.333	ppbv	100
51) 2-Hexanone	10.33	43	2894871	11.573	ppbv #	99
52) Tetrachloroethene	11.44	164	986908	10.891	ppbv	97
53) Toluene	10.01	91	3637487	10.800	ppbv	99
54) 1,2-Dibromoethane	10.83	107	1997175	11.008	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.34	131	1570726	8.274	ppbv #	57
57) Chlorobenzene	12.37	112	2817513	8.156	ppbv	98
58) Ethyl Benzene	12.93	91	5020054	9.092	ppbv	99
59) m/p-Xylene	13.21	91	4392874	9.366	ppbv #	41
60) o-Xylene	13.92	91	4014901	8.709	ppbv	99
61) Styrene	13.75	104	3099589	9.621	ppbv	99
62) Isopropylbenzene	14.89	105	5658721	8.624	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.90	83	3057578	7.888	ppbv	100
64) n-propylbenzene	15.79	120	1488718	8.766	ppbv	97
65) tert-Butylbenzene	16.97	119	4784768	8.536	ppbv	100
66) Benzyl Chloride	17.22	91	3298241	9.938	ppbv	99
67) sec-Butylbenzene	17.52	105	7362843	8.834	ppbv	99
69) p-Isopropyltoluene	17.88	119	5692664	8.924	ppbv	99
70) n-Butylbenzene	18.78	91	6328548	9.048	ppbv	99
71) 2-Chlorotoluene	15.68	91	4559962	8.979	ppbv	100
72) 4-Ethyltoluene	16.06	105	4766285	9.270	ppbv	99
73) 1,3,5-Trimethylbenzene	16.22	105	4502505	9.104	ppbv	100
74) 1,2,4-Trimethylbenzene	16.99	105	4558093	8.662	ppbv	97
75) 1,3-Dichlorobenzene	17.23	146	2585414	8.176	ppbv	99
76) 1,4-Dichlorobenzene	17.38	146	2637409	8.805	ppbv	99
77) 1,2-Dichlorobenzene	18.05	146	2537896	8.399	ppbv	99
78) Hexachloro-1,3-Butadiene	23.61	225	781718	7.707	ppbv	99
79) Naphthalene	22.48	128	4246961	8.674	ppbv	99
80) Naphthalene, 2-methyl-	25.16	142	1655149	15.765	ppbv	100
81) 1,2,4-Trichlorobenzene	22.21	180	2016115	9.907	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.82 min Scan# 1471

Delta R.T. 0.00 min

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ClientSampleId :

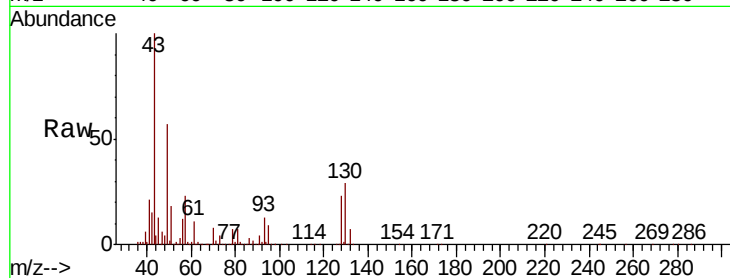
Tot Ion: 49 Resp: 1785404

Ion Ratio Lower Upper

49 100

128 40.8 20.5 61.6

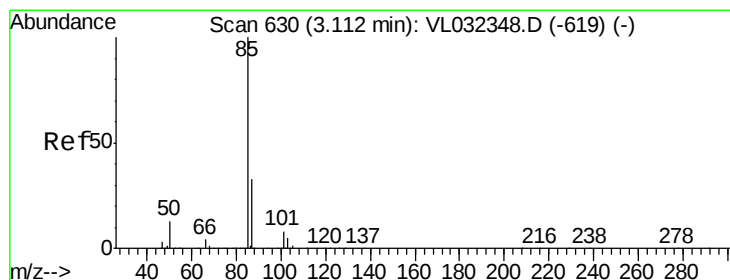
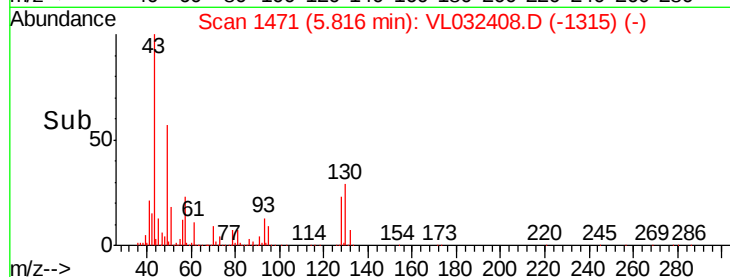
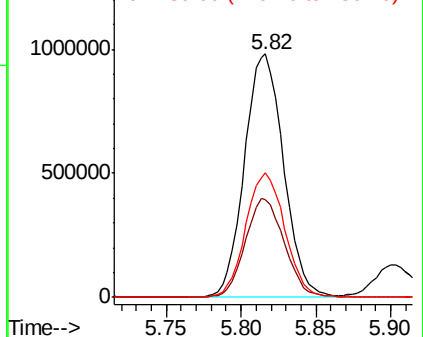
130 51.4 26.2 78.5



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 13.509 ppbv

RT: 3.11 min Scan# 629

Delta R.T. -0.00 min

Lab File: VL032408.D

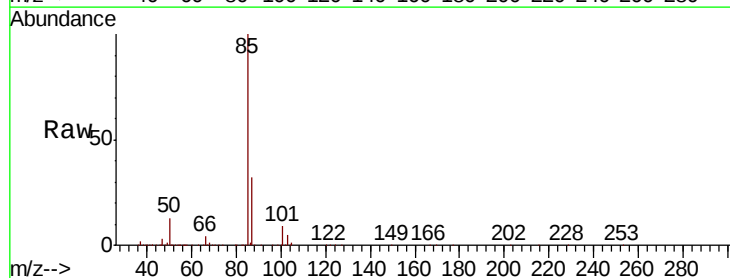
Acq: 20 Aug 2018 17:20

Tgt Ion: 85 Resp: 1916781

Ion Ratio Lower Upper

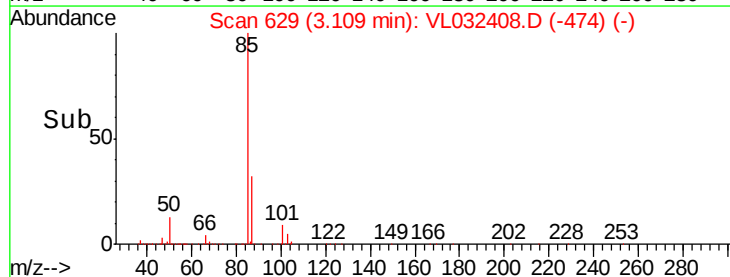
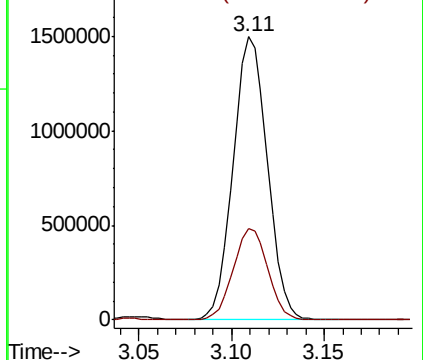
85 100

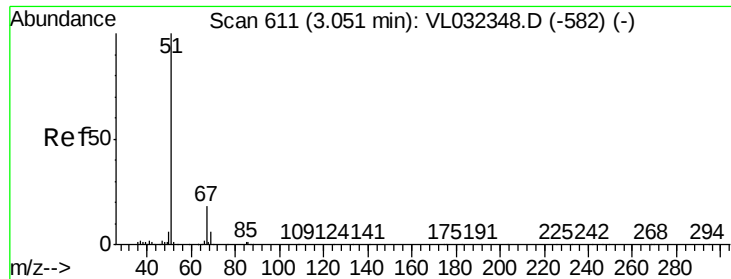
87 32.2 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.873 ppbv

RT: 3.05 min Scan# 610

Delta R.T. -0.00 min

Lab File: VL032408.D

Acq: 20 Aug 2018 17:20

Instrument :

MSVOA_L

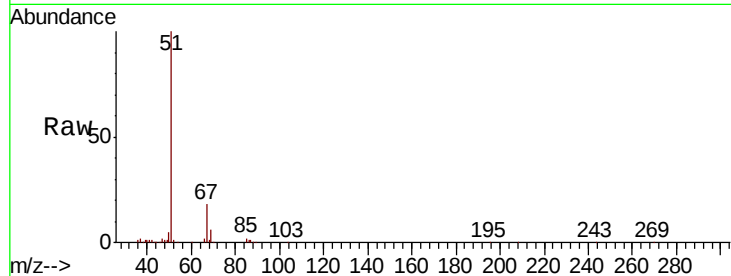
ClientSampleId :

Tot Ion: 51 Resp: 1632880

Ion Ratio Lower Upper

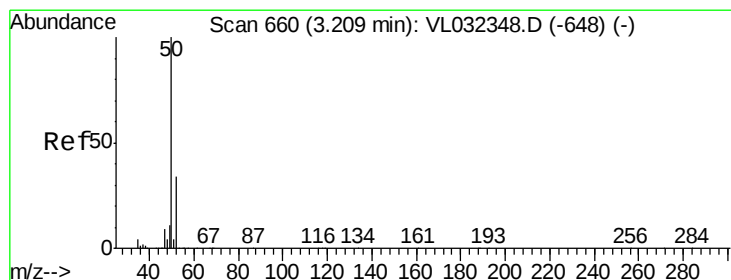
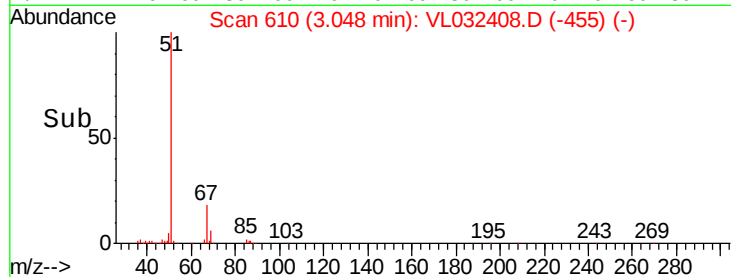
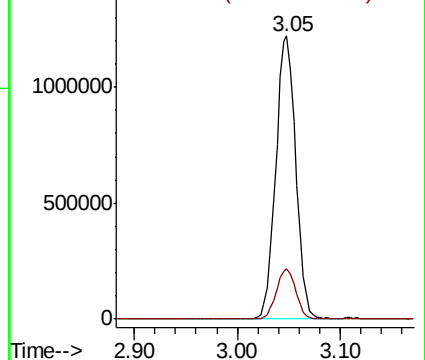
51 100

67 17.4 13.7 20.5



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.278 ppbv

RT: 3.21 min Scan# 659

Delta R.T. -0.00 min

Lab File: VL032408.D

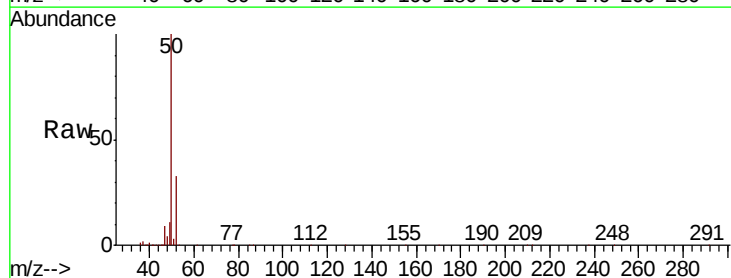
Acq: 20 Aug 2018 17:20

Tgt Ion: 50 Resp: 1011694

Ion Ratio Lower Upper

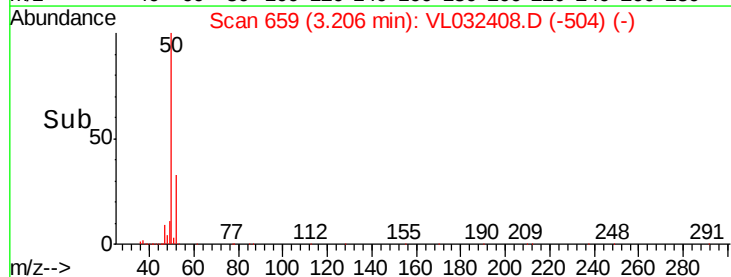
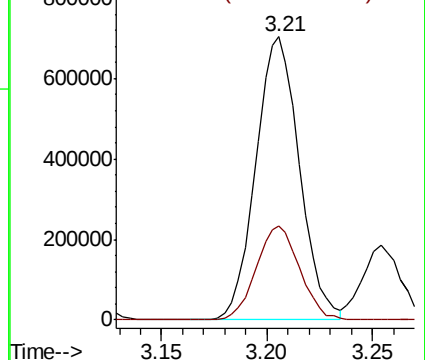
50 100

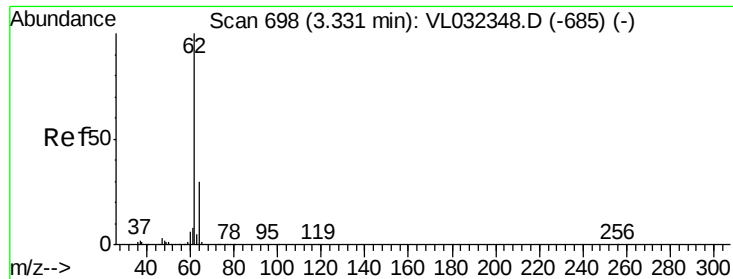
52 33.1 26.8 40.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.061 ppbv

RT: 3.32 min Scan# 696

Delta R.T. -0.01 min

Lab File: VL032408.D

Acq: 20 Aug 2018 17:20

Instrument :

MSVOA_L

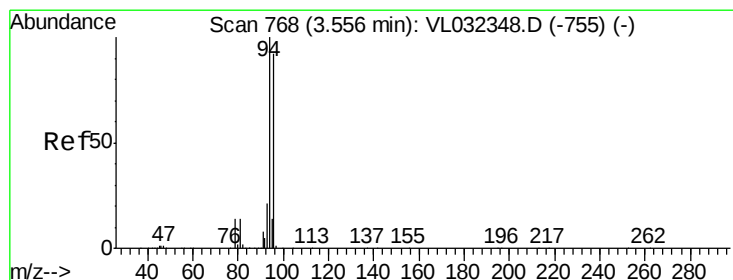
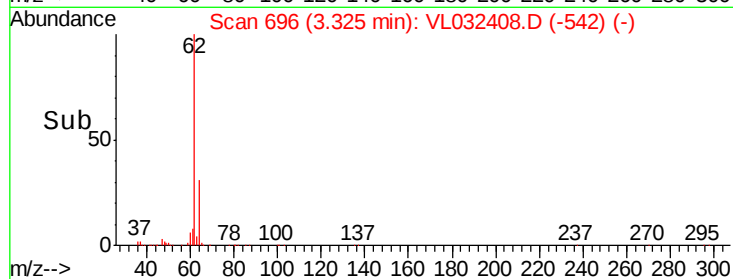
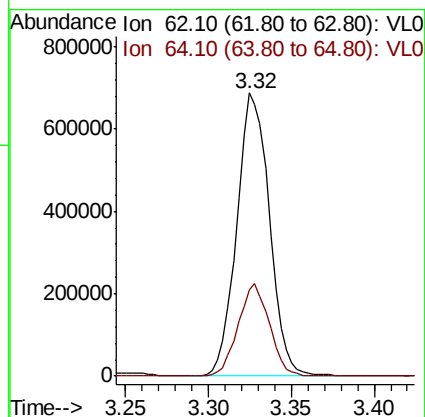
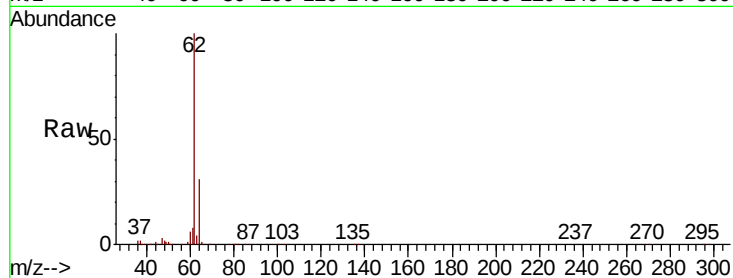
ClientSampleId :

Tot Ion: 62 Resp: 943983

Ion Ratio Lower Upper

62 100

64 30.6 24.2 36.2



#6

Bromomethane

Concen: 10.669 ppbv

RT: 3.55 min Scan# 767

Delta R.T. -0.00 min

Lab File: VL032408.D

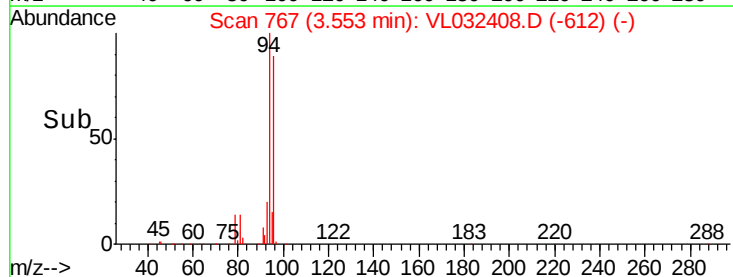
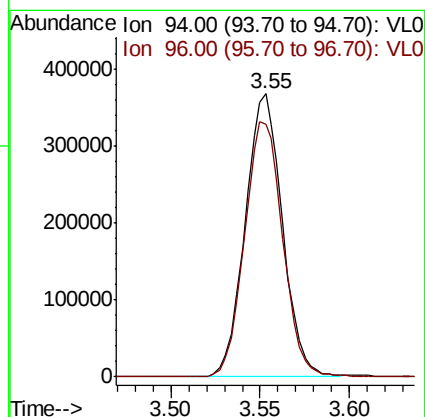
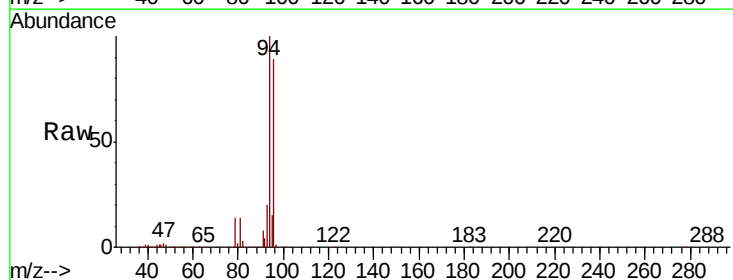
Acq: 20 Aug 2018 17:20

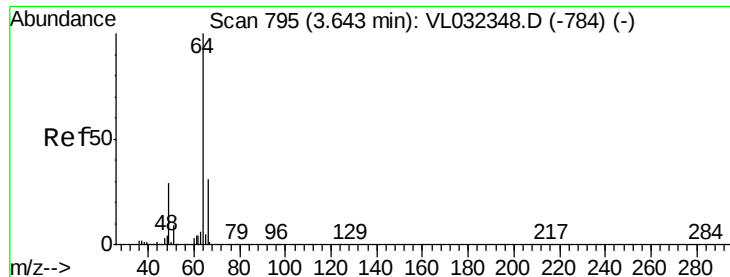
Tgt Ion: 94 Resp: 536719

Ion Ratio Lower Upper

94 100

96 89.0 73.7 110.5





#7

Chloroethane

Concen: 10.461 ppbv

RT: 3.64 min Scan# 794

Delta R.T. -0.00 min

Lab File: VL032408.D

Acq: 20 Aug 2018 17:20

Instrument :

MSVOA_L

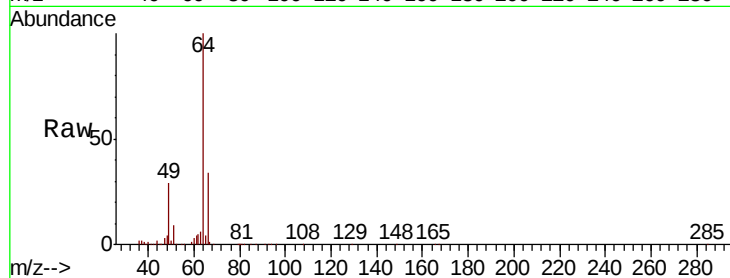
ClientSampled :

Tot Ion: 64 Resp: 344196

Ion Ratio Lower Upper

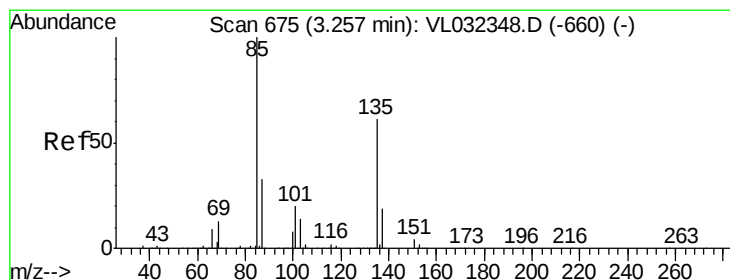
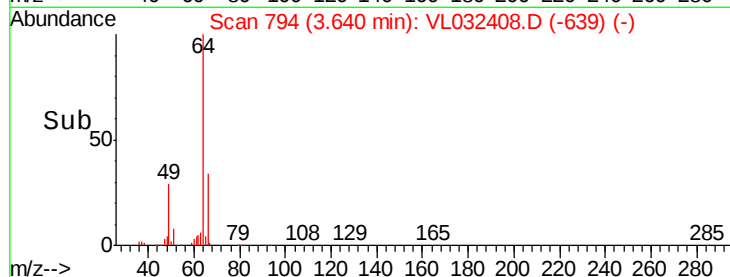
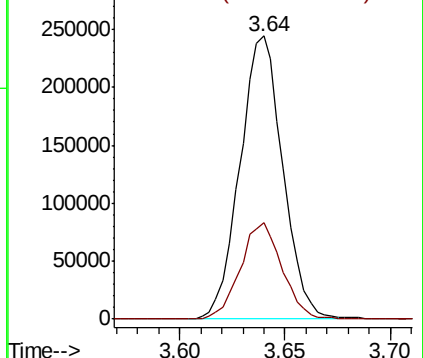
64 100

66 33.9 24.6 36.8



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.949 ppbv

RT: 3.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: VL032408.D

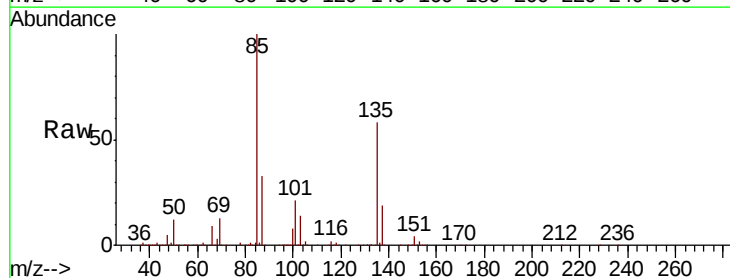
Acq: 20 Aug 2018 17:20

Tgt Ion: 85 Resp: 2007259

Ion Ratio Lower Upper

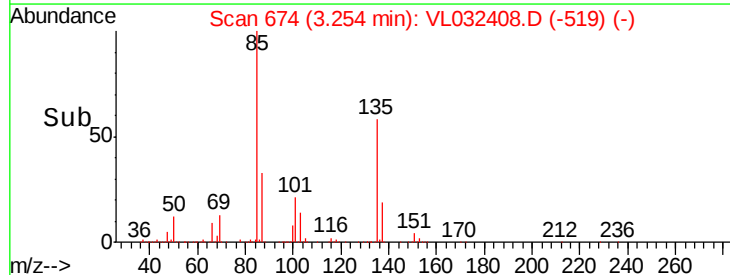
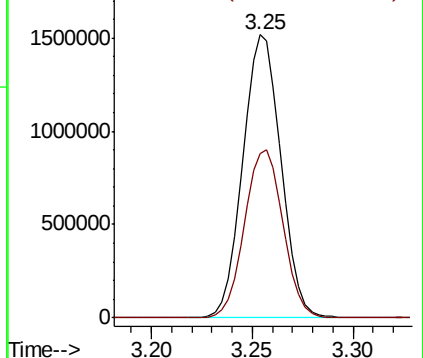
85 100

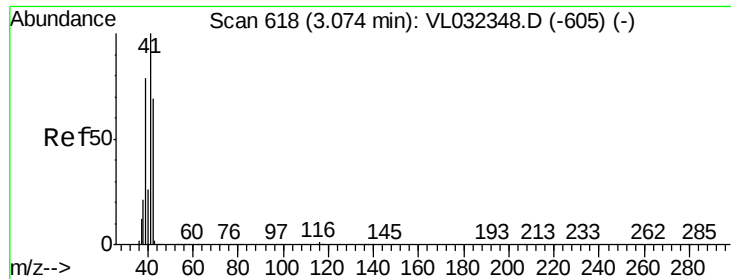
135 60.3 49.0 73.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 10.541 ppbv

RT: 3.07 min Scan# 617

Delta R.T. -0.00 min

Lab File: VL032408.D

Acq: 20 Aug 2018 17:20

Instrument :

MSVOA_L

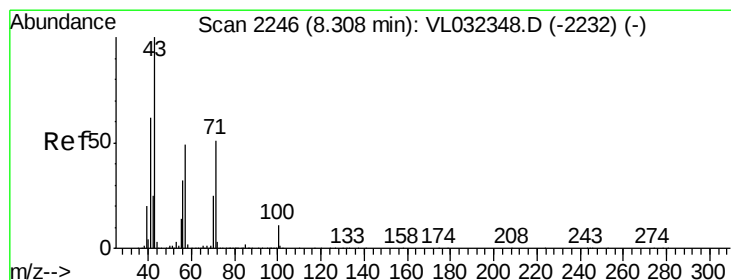
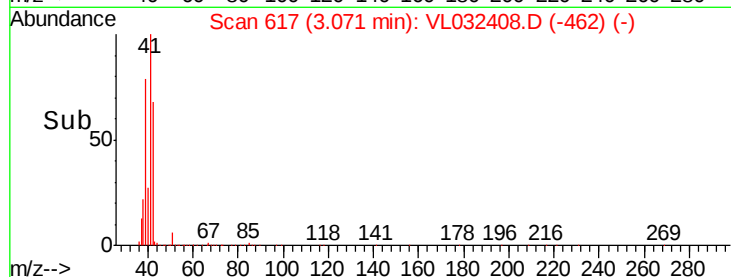
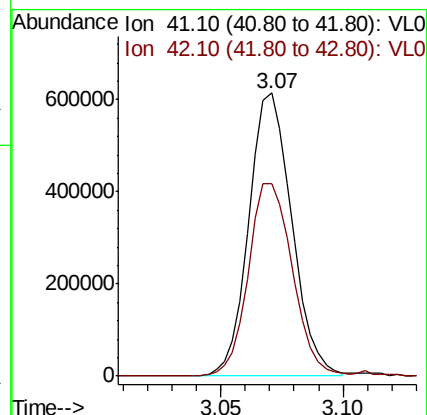
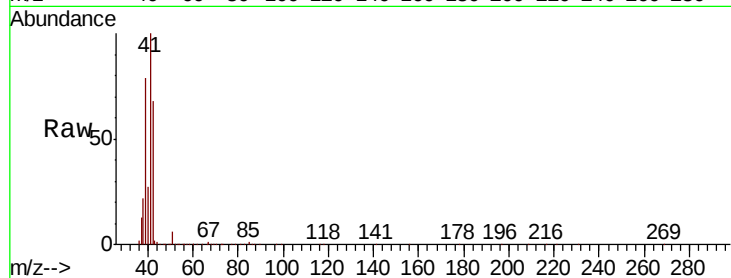
ClientSampleId :

Tot Ion: 41 Resp: 746136

Ion Ratio Lower Upper

41 100

42 71.8 55.9 83.9



#10

Heptane

Concen: 12.380 ppbv

RT: 8.31 min Scan# 2245

Delta R.T. -0.00 min

Lab File: VL032408.D

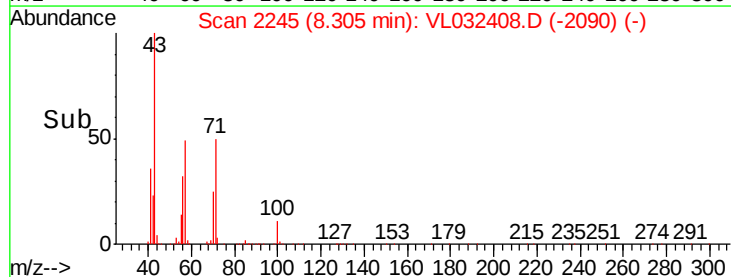
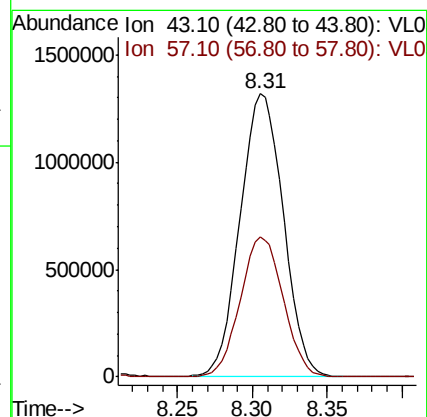
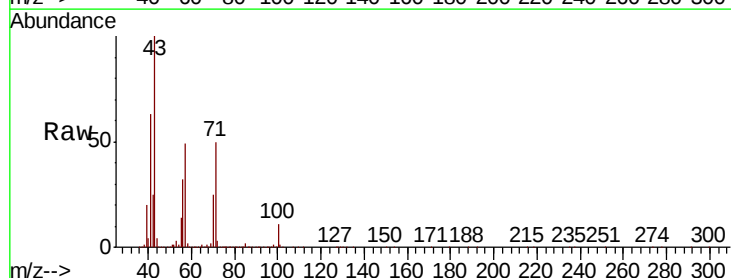
Acq: 20 Aug 2018 17:20

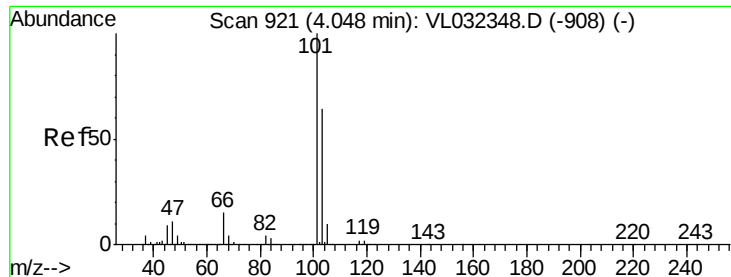
Tgt Ion: 43 Resp: 2639366

Ion Ratio Lower Upper

43 100

57 49.3 39.5 59.3





#11

Trichlorofluoromethane

Concen: 10.308 ppbv

RT: 4.04 min Scan# 920

Delta R.T. -0.00 min

Lab File: VL032408.D

Acq: 20 Aug 2018 17:20

Instrument :

MSVOA_L

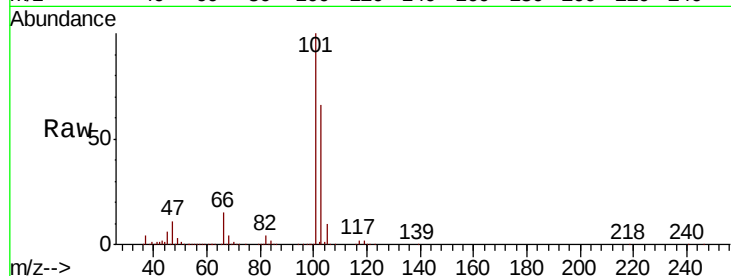
ClientSampleId :

Tot Ion:101 Resp: 2058297

Ion Ratio Lower Upper

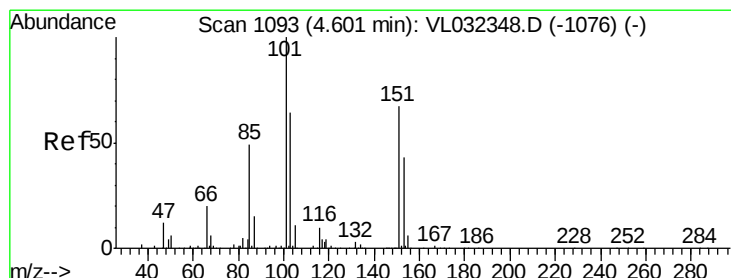
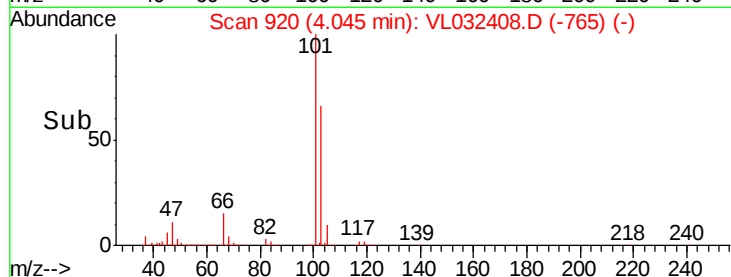
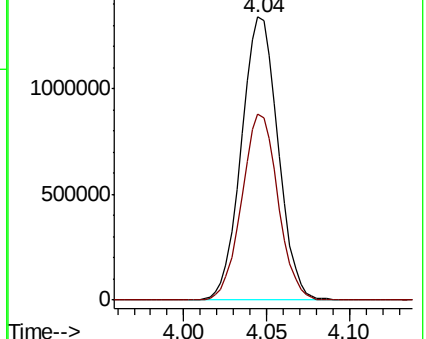
101 100

103 65.6 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.048 ppbv

RT: 4.60 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VL032408.D

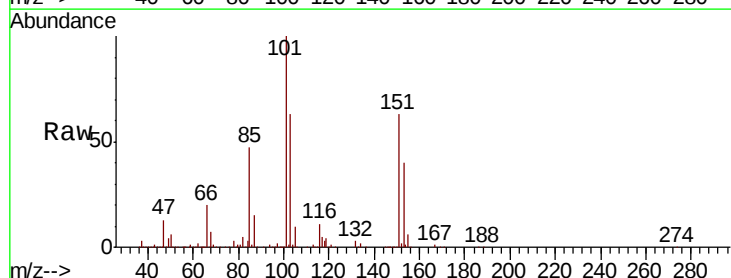
Acq: 20 Aug 2018 17:20

Tgt Ion:101 Resp: 1351050

Ion Ratio Lower Upper

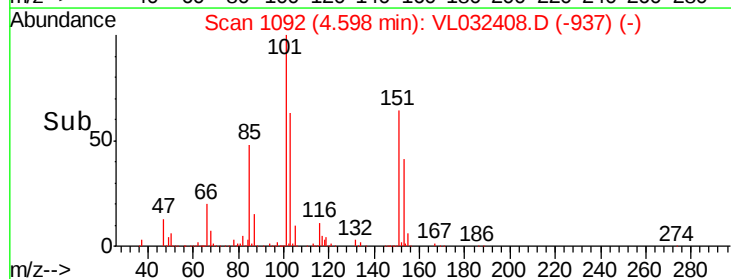
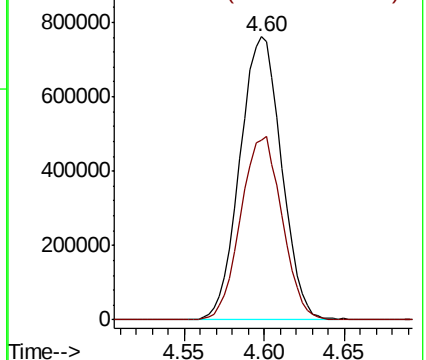
101 100

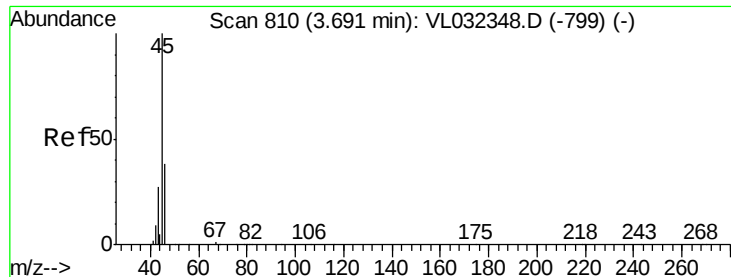
151 64.5 53.1 79.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 11.051 ppbv

RT: 3.69 min Scan# 810

Delta R.T. 0.00 min

Lab File: VL032408.D

Acq: 20 Aug 2018 17:20

Instrument :

MSVOA_L

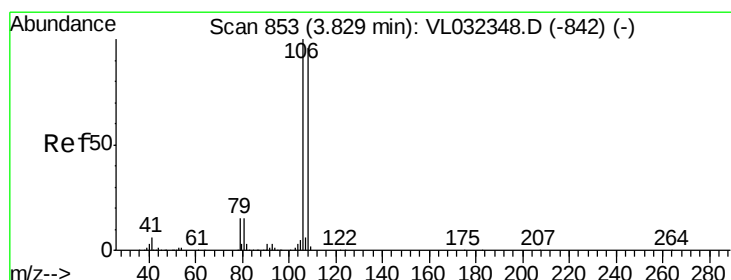
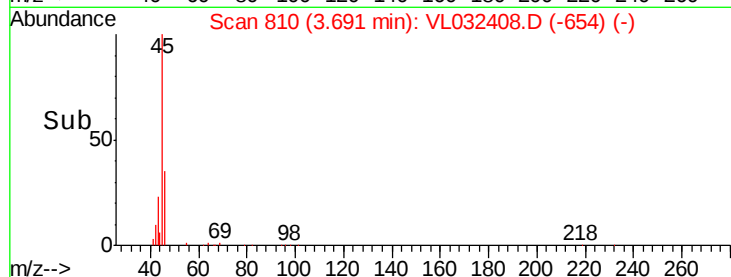
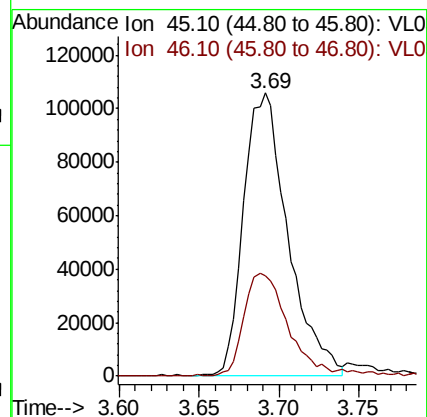
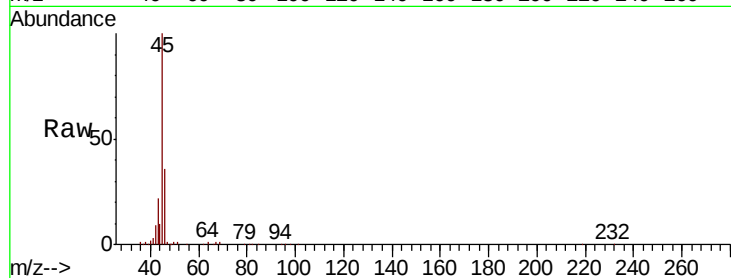
ClientSampleId :

Tot Ion: 45 Resp: 200900

Ion Ratio Lower Upper

45 100

46 37.4 15.6 62.4



#14

Bromoethene

Concen: 10.978 ppbv

RT: 3.83 min Scan# 852

Delta R.T. -0.00 min

Lab File: VL032408.D

Acq: 20 Aug 2018 17:20

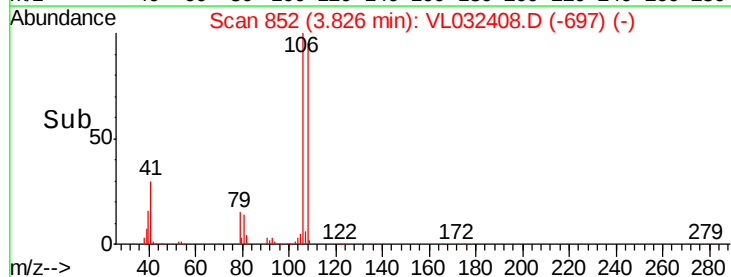
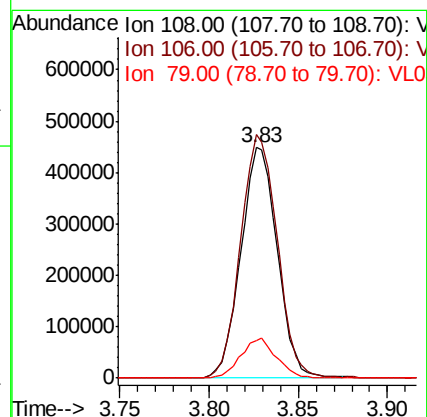
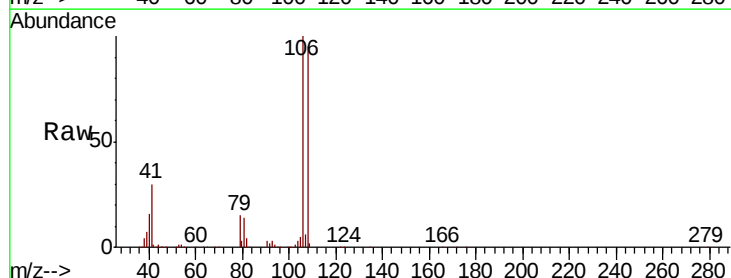
Tgt Ion: 108 Resp: 638464

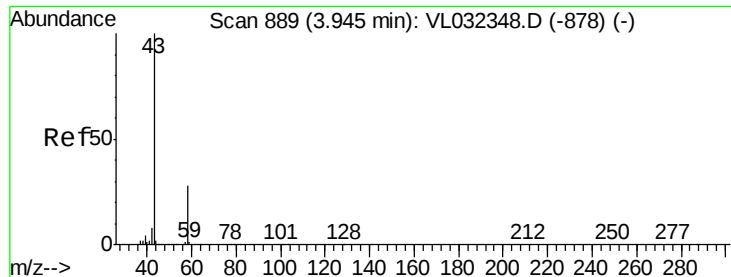
Ion Ratio Lower Upper

108 100

106 106.6 85.7 128.5

79 17.4 13.1 19.7

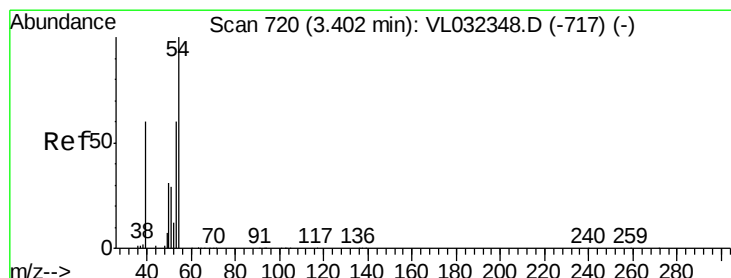
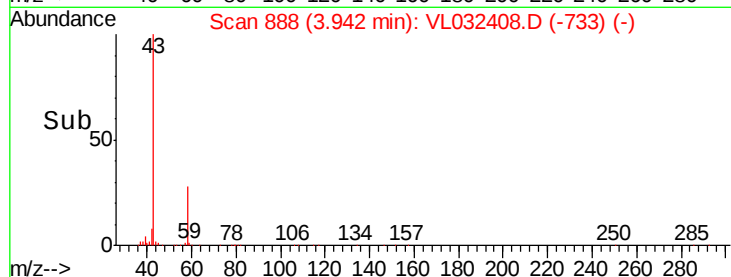
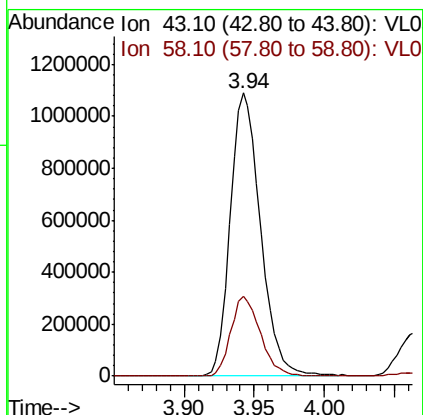
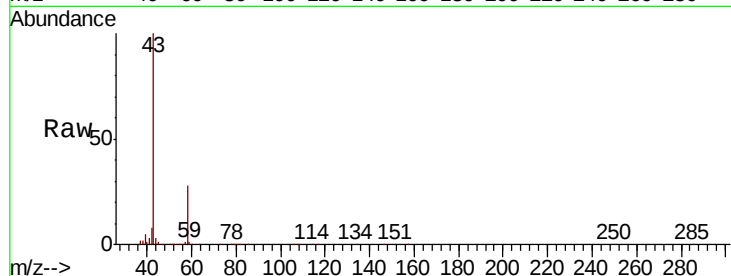




#15
Acetone
Concen: 9.617 ppbv
RT: 3.94 min Scan# 888
Delta R.T. -0.00 min
Lab File: VL032408.D
Acq: 20 Aug 2018 17:20

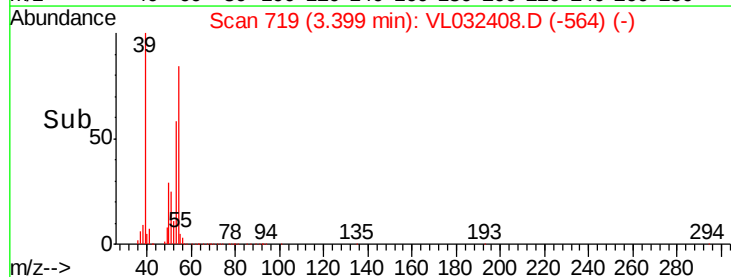
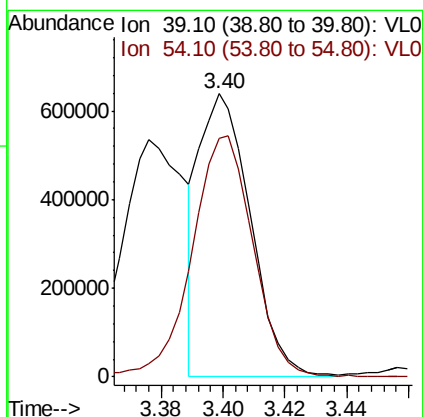
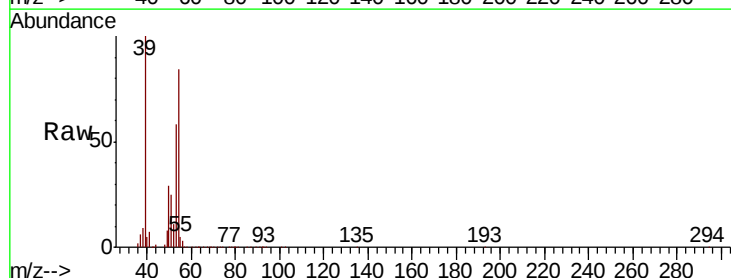
Instrument :
MSVOA_L
ClientSampled :

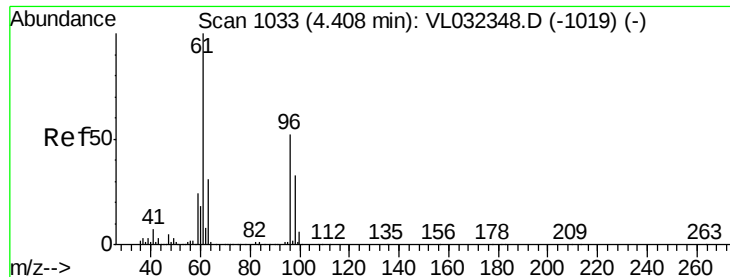
Tot Ion: 43 Resp: 1631369
Ion Ratio Lower Upper
43 100
58 27.8 22.4 33.6



#16
1,3-Butadiene
Concen: 10.414 ppbv
RT: 3.40 min Scan# 719
Delta R.T. -0.00 min
Lab File: VL032408.D
Acq: 20 Aug 2018 17:20

Tgt Ion: 39 Resp: 729333
Ion Ratio Lower Upper
39 100
54 102.9 85.5 128.3

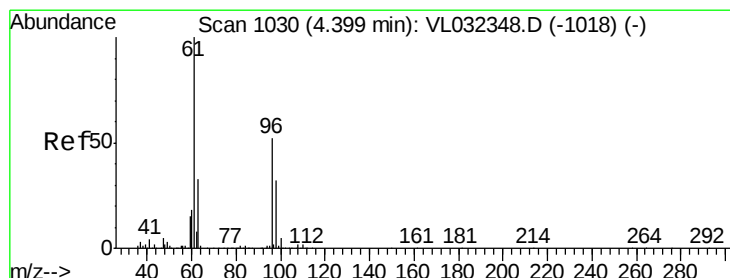
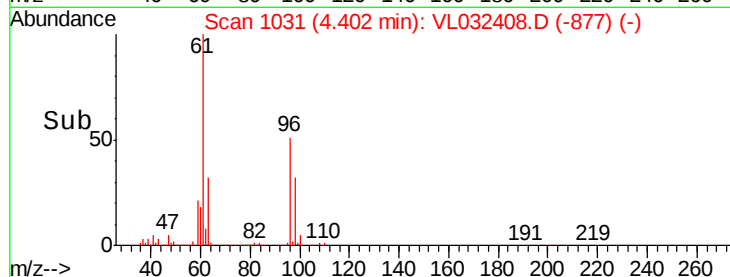
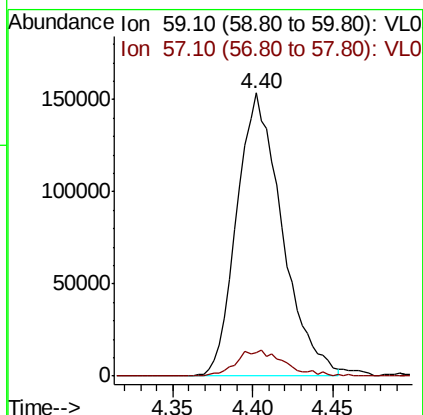
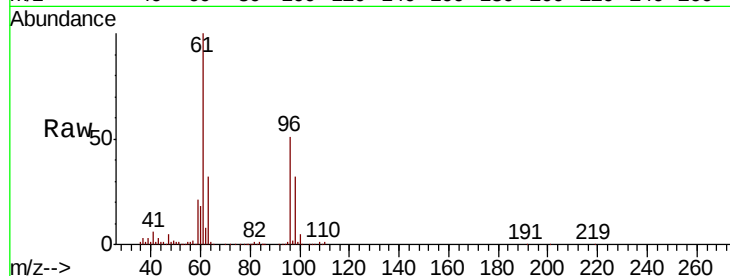




#17
tert-Butyl alcohol
Concen: 10.470 ppbv
RT: 4.40 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VL032408.D
Acq: 20 Aug 2018 17:20

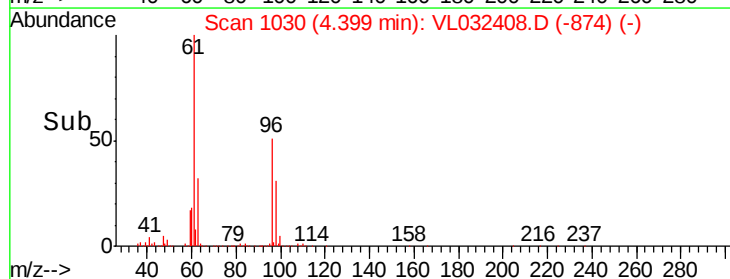
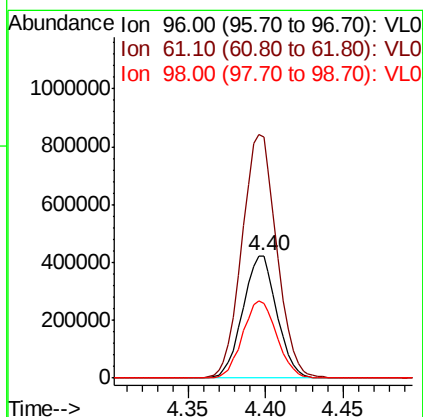
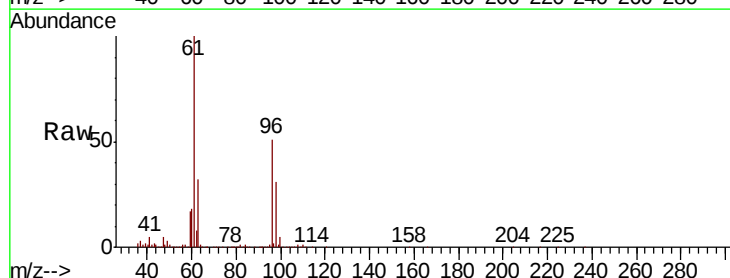
Instrument :
MSVOA_L
ClientSampleId :

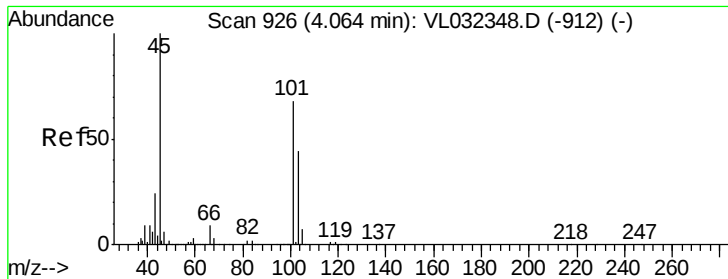
Tot Ion: 59 Resp: 298013
Ion Ratio Lower Upper
59 100
57 9.8 7.6 11.4



#18
1,1-Dichloroethene
Concen: 10.335 ppbv
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VL032408.D
Acq: 20 Aug 2018 17:20

Tgt Ion: 96 Resp: 647511
Ion Ratio Lower Upper
96 100
61 196.9 154.6 231.8
98 60.8 50.1 75.1





#19

Isopropyl Alcohol

Concen: 10.998 ppbv

RT: 4.06 min Scan# 926

Delta R.T. 0.00 min

Lab File: VL032408.D

Acq: 20 Aug 2018 17:20

Instrument :

MSVOA_L

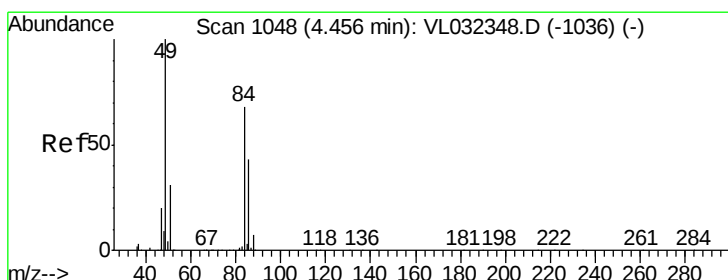
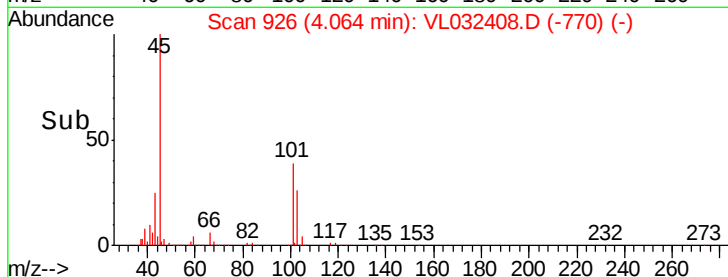
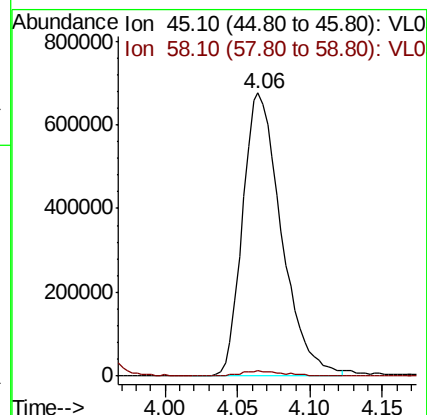
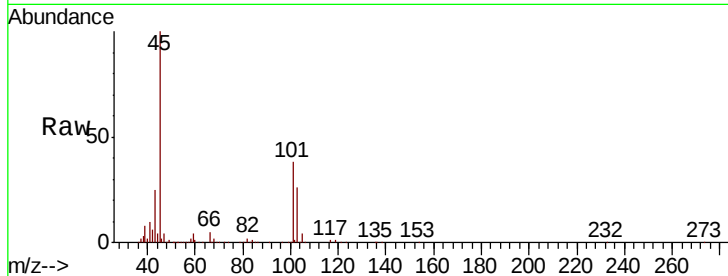
ClientSampleId :

Tot Ion: 45 Resp: 1256266

Ion Ratio Lower Upper

45 100

58 2.3 1.4 2.0#



#20

Methylene Chloride

Concen: 8.992 ppbv

RT: 4.45 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VL032408.D

Acq: 20 Aug 2018 17:20

Tgt Ion: 84 Resp: 576110

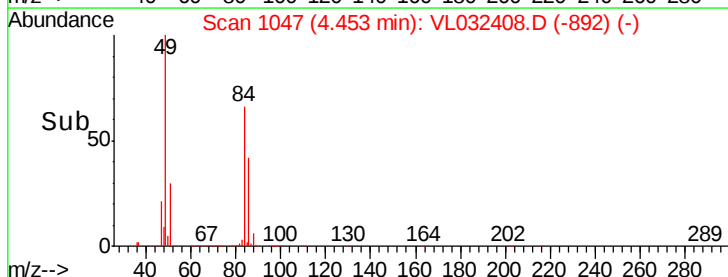
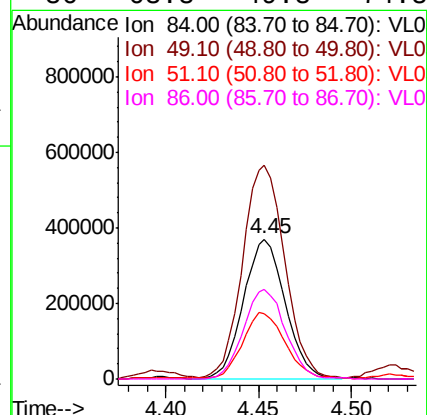
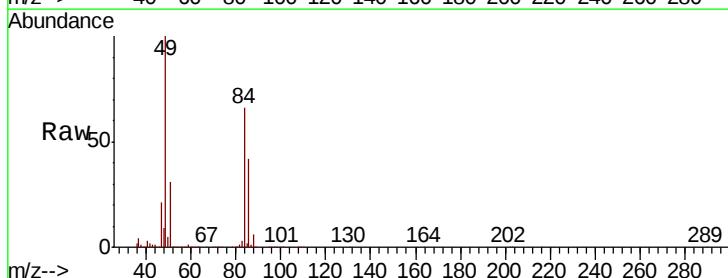
Ion Ratio Lower Upper

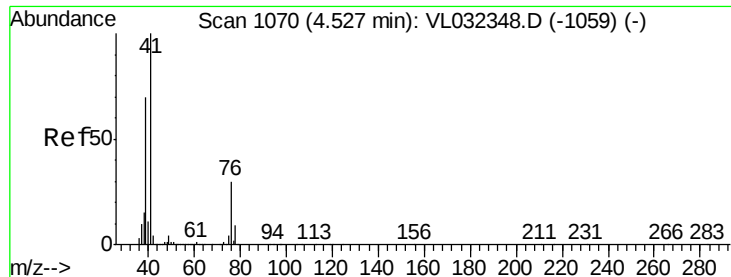
84 100

49 151.7 117.3 175.9

51 46.1 36.6 55.0

86 63.8 49.8 74.8

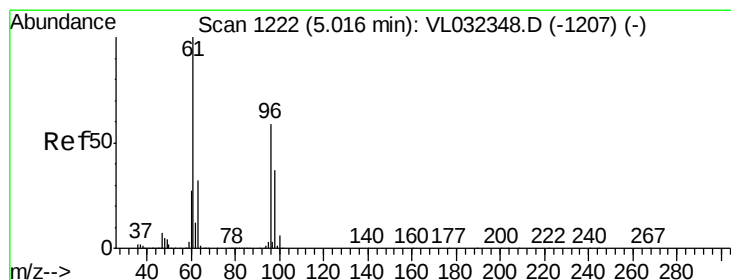
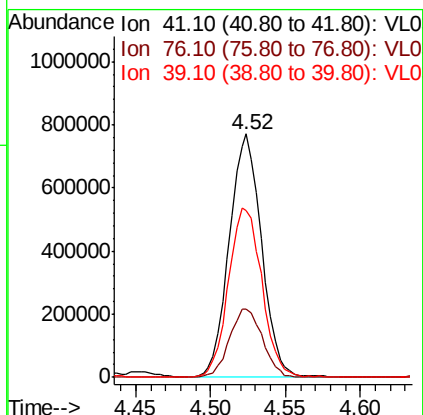
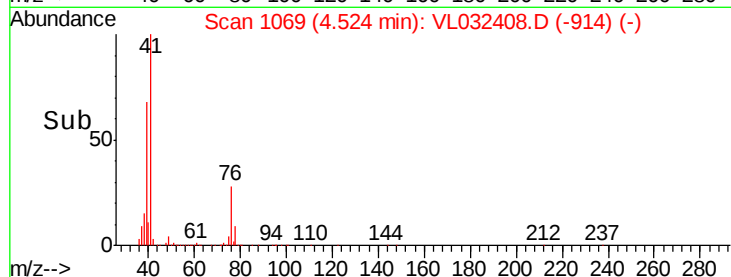
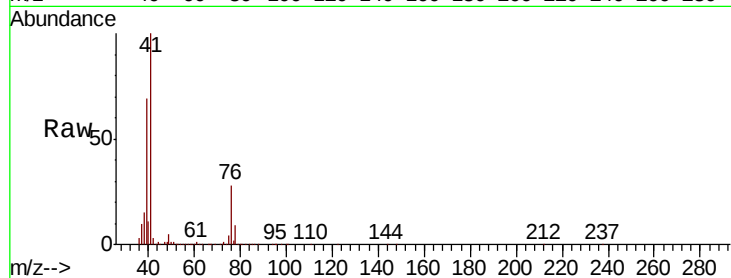




#21
Allvl Chloride
Concen: 10.770 ppbv
RT: 4.52 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VL032408.D
Acq: 20 Aug 2018 17:20

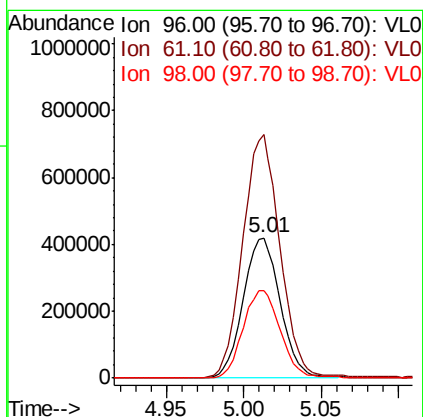
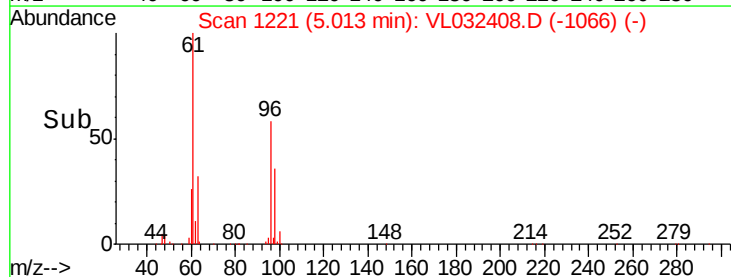
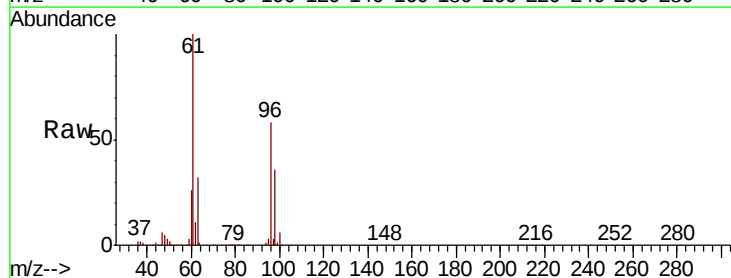
Instrument :
MSVOA_L
ClientSampleId :

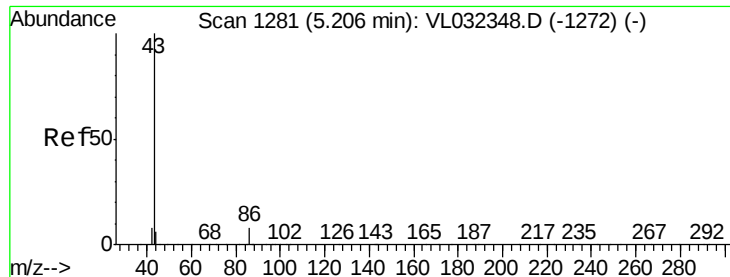
Tot Ion: 41 Resp: 1153091
Ion Ratio Lower Upper
41 100
76 28.9 22.9 34.3
39 72.6 57.6 86.4



#22
trans-1,2-Dichloroethene
Concen: 11.087 ppbv
RT: 5.01 min Scan# 1221
Delta R.T. -0.00 min
Lab File: VL032408.D
Acq: 20 Aug 2018 17:20

Tgt Ion: 96 Resp: 700484
Ion Ratio Lower Upper
96 100
61 173.4 136.6 205.0
98 62.1 50.6 76.0



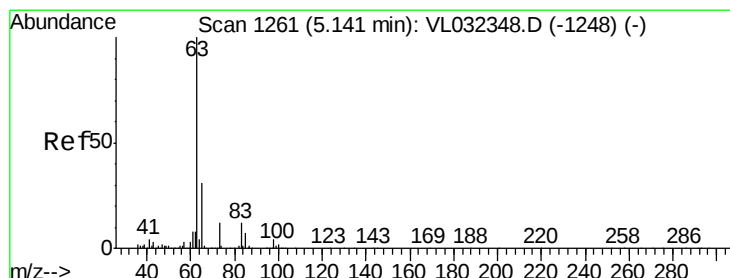
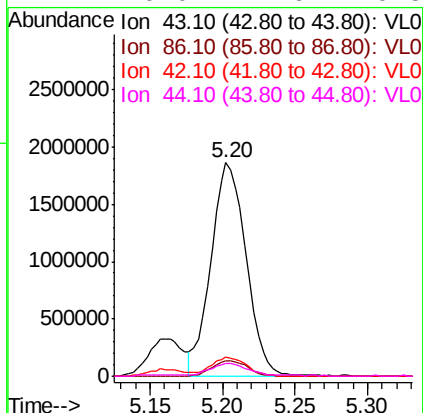
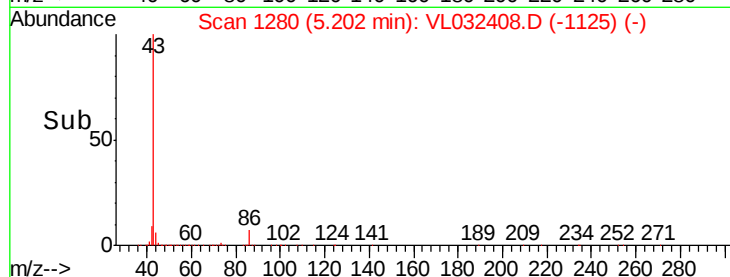
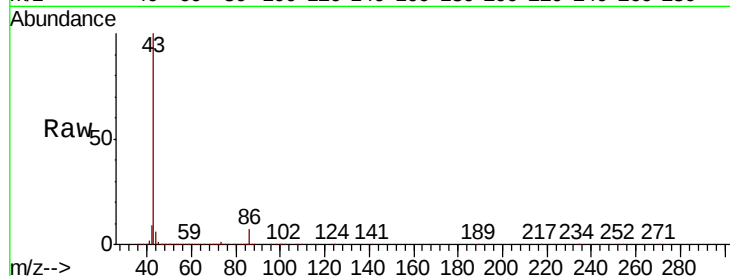


#23
 Vinyl Acetate
 Concen: 10.687 ppbv
 RT: 5.20 min Scan# 1280
 Delta R.T. -0.00 min
 Lab File: VL032408.D
 Acq: 20 Aug 2018 17:20

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion: 43 Resp: 3130494

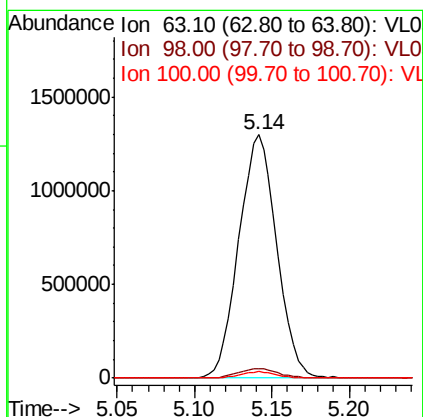
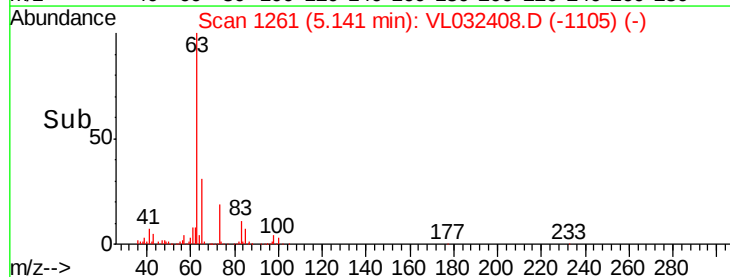
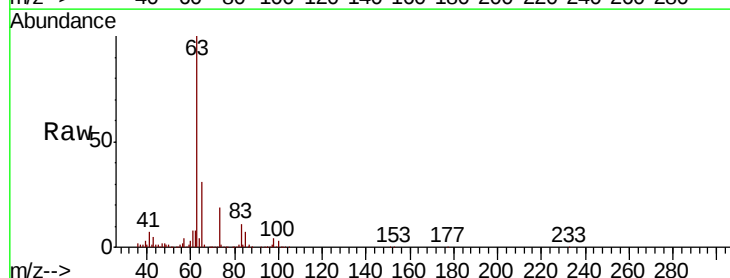
Ion	Ratio	Lower	Upper
43	100		
86	7.0	5.5	8.3
42	9.1	7.0	10.6
44	6.0	4.6	6.8

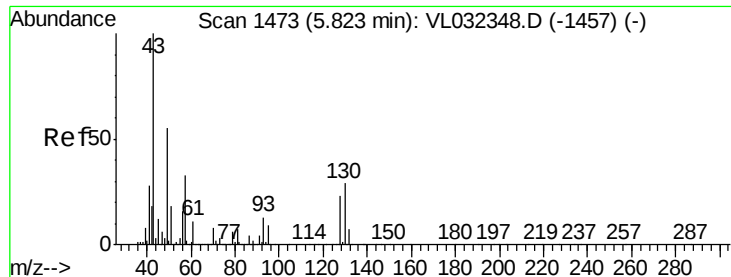


#24
 1,1-Dichloroethane
 Concen: 10.428 ppbv
 RT: 5.14 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VL032408.D
 Acq: 20 Aug 2018 17:20

Tgt Ion: 63 Resp: 2205531

Ion	Ratio	Lower	Upper
63	100		
98	3.9	2.1	6.3
100	2.7	1.2	3.6



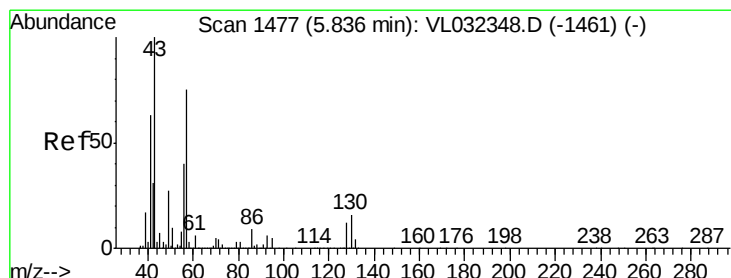
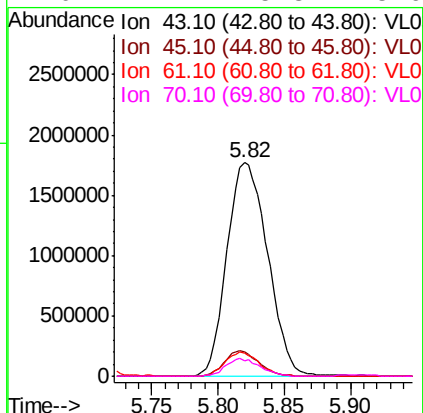
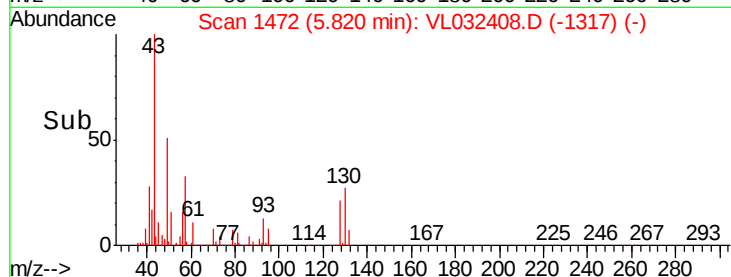
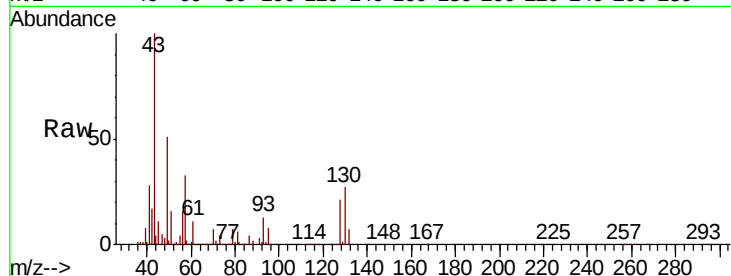


#25
Ethyl Acetate
Concen: 10.358 ppbv
RT: 5.82 min Scan# 1472
Delta R.T. -0.00 min
Lab File: VL032408.D
Acq: 20 Aug 2018 17:20

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 43 Resp: 3765383

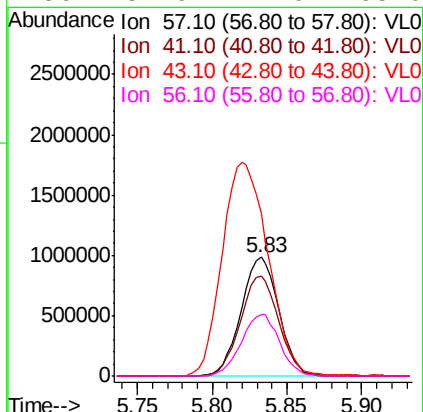
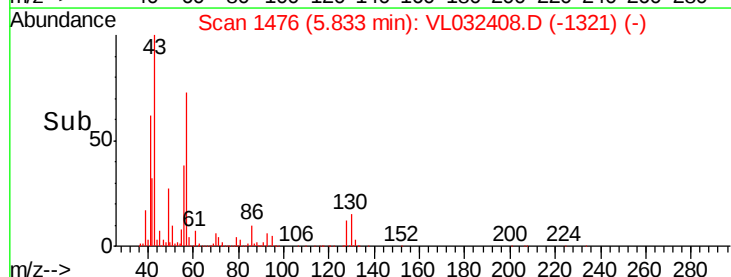
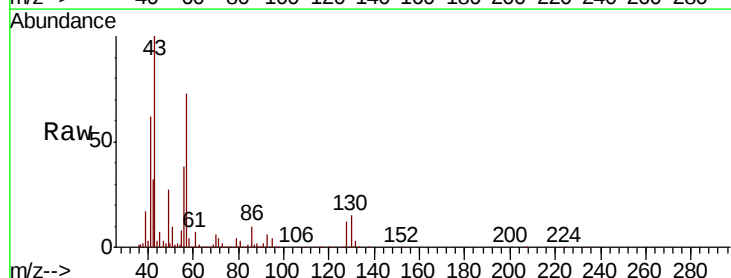
Ion	Ratio	Lower	Upper
43	100		
45	10.2	7.9	11.9
61	9.6	7.4	11.2
70	7.2	5.8	8.6

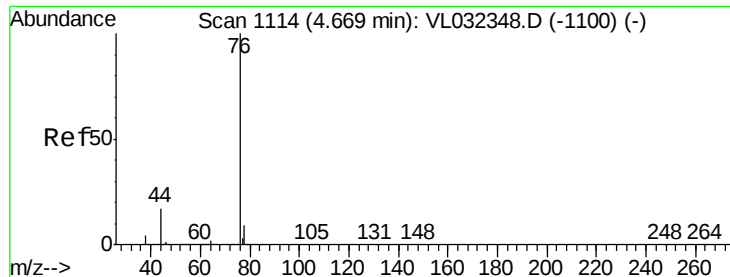


#26
Hexane
Concen: 10.622 ppbv
RT: 5.83 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VL032408.D
Acq: 20 Aug 2018 17:20

Tgt Ion: 57 Resp: 1721415

Ion	Ratio	Lower	Upper
57	100		
41	86.2	68.0	102.0
43	220.0	175.3	262.9
56	52.9	42.0	63.0





#27

Carbon Disulfide

Concen: 11.313 ppbv

RT: 4.67 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VL032408.D

Acq: 20 Aug 2018 17:20

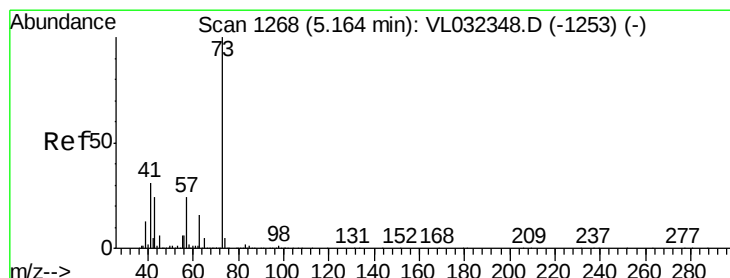
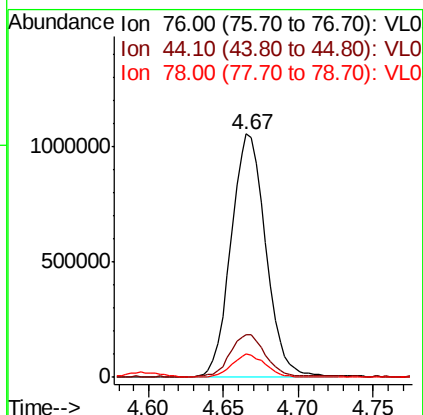
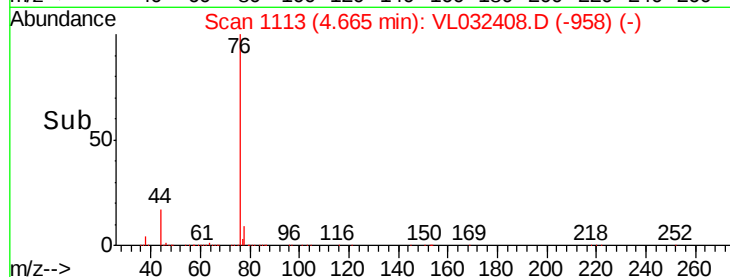
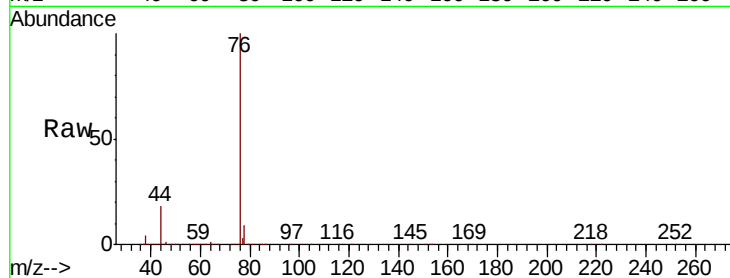
Instrument :

MSVOA_L

ClientSampled :

Tot Ion: 76 Resp: 1711173

Ion	Ratio	Lower	Upper
76	100		
44	17.7	14.4	21.6
78	9.3	7.4	11.0



#28

Methyl tert-Butyl Ether

Concen: 11.095 ppbv

RT: 5.16 min Scan# 1267

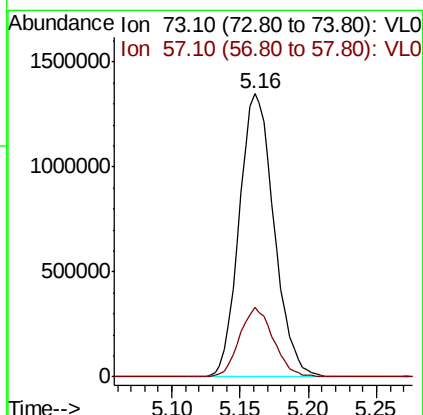
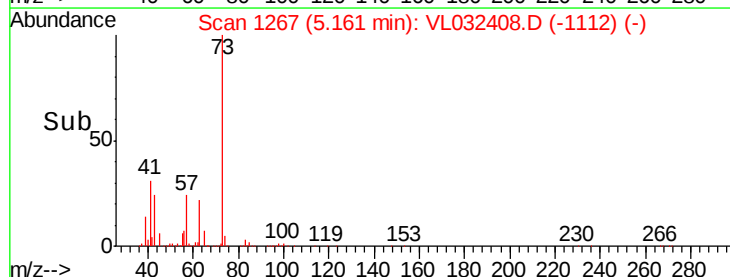
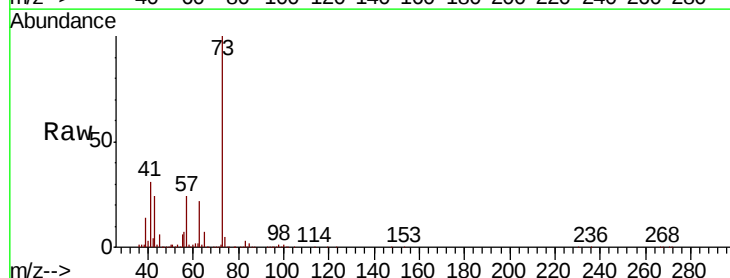
Delta R.T. -0.00 min

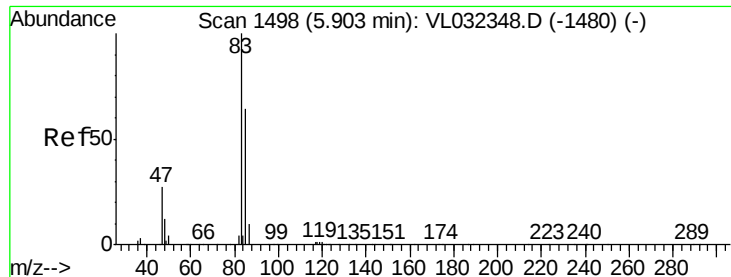
Lab File: VL032408.D

Acq: 20 Aug 2018 17:20

Tgt Ion: 73 Resp: 2386134

Ion	Ratio	Lower	Upper
73	100		
57	24.1	19.3	28.9

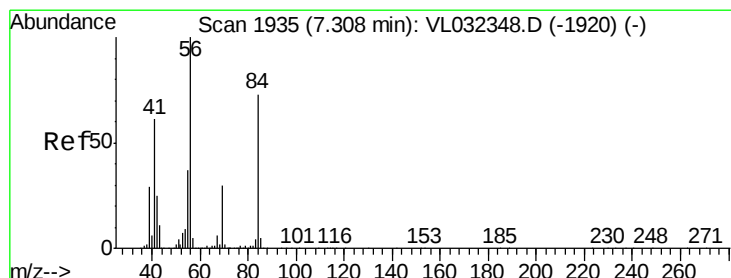
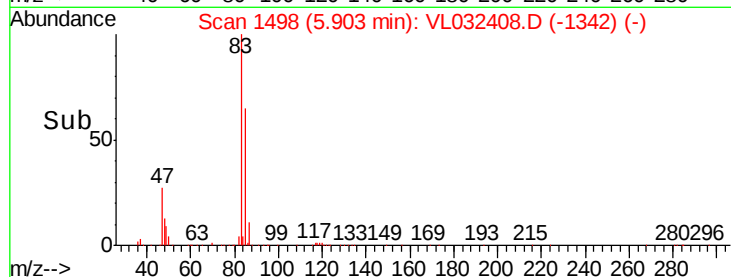
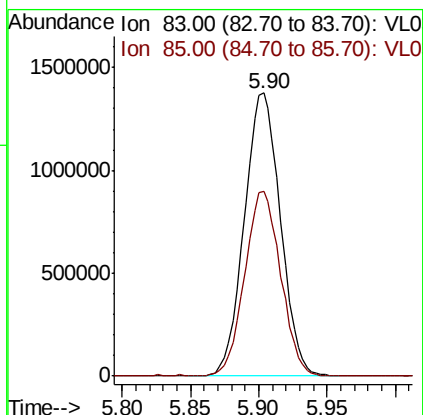
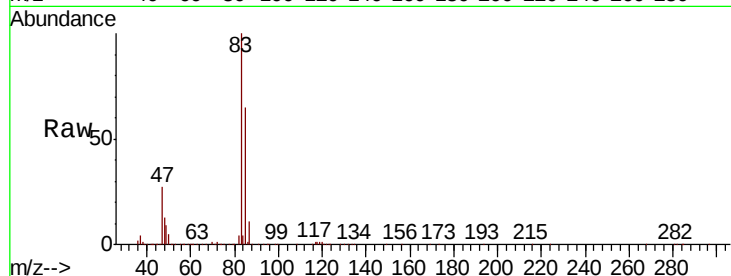




#29
Chloroform
Concen: 10.660 ppbv
RT: 5.90 min Scan# 1498
Delta R.T. 0.00 min
Lab File: VL032408.D
Acq: 20 Aug 2018 17:20

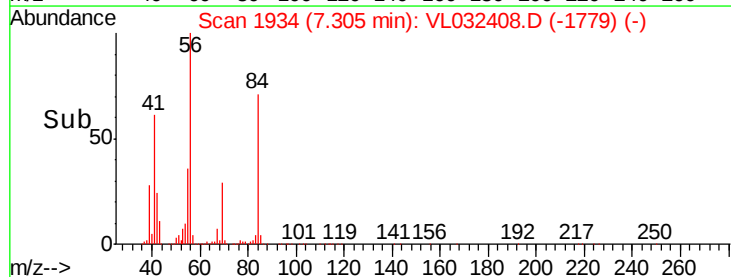
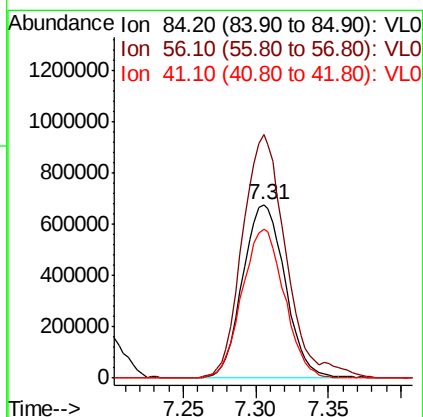
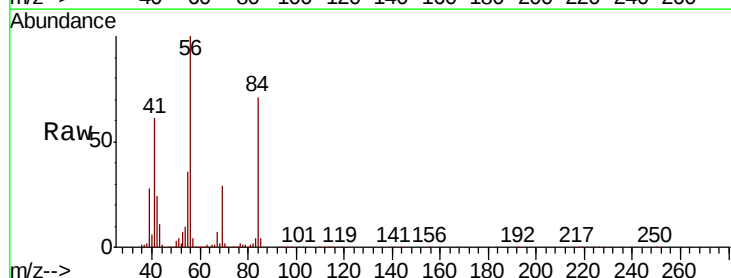
Instrument :
MSVOA_L
ClientSampleId :

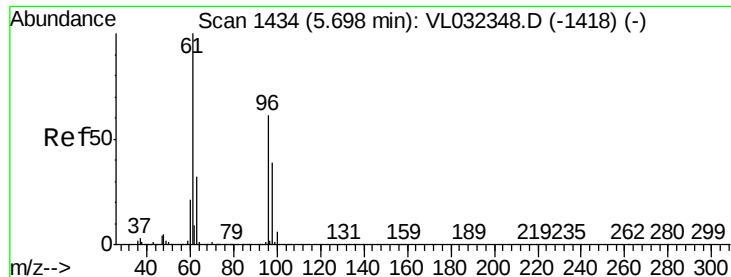
Tot Ion: 83 Resp: 2531909
Ion Ratio Lower Upper
83 100
85 65.1 51.6 77.4



#30
Cyclohexane
Concen: 11.187 ppbv
RT: 7.31 min Scan# 1934
Delta R.T. -0.00 min
Lab File: VL032408.D
Acq: 20 Aug 2018 17:20

Tgt Ion: 84 Resp: 1381026
Ion Ratio Lower Upper
84 100
56 144.2 115.7 173.5
41 85.6 67.9 101.9



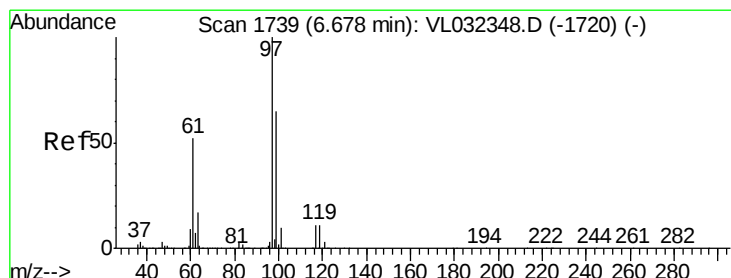
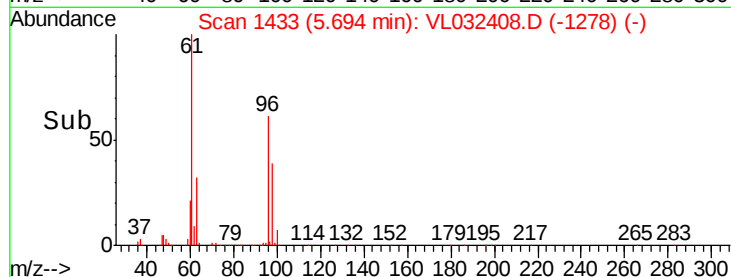
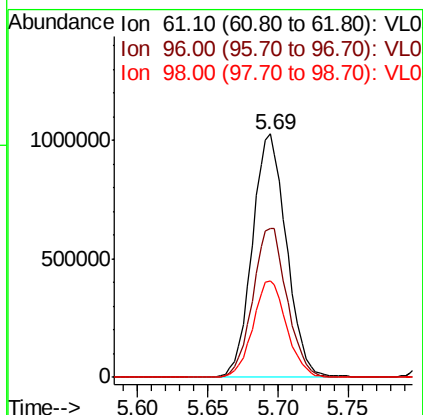
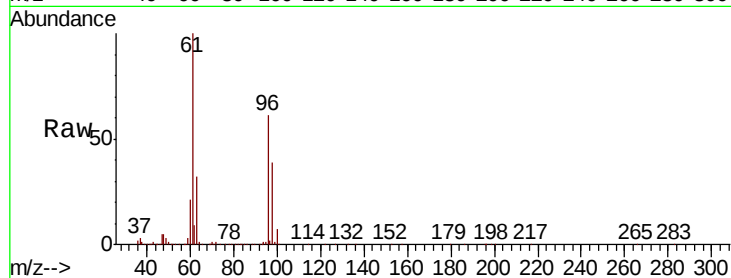


#31
 cis-1,2-Dichloroethene
 Concen: 10.951 ppbv
 RT: 5.69 min Scan# 1433
 Delta R.T. -0.00 min
 Lab File: VL032408.D
 Acq: 20 Aug 2018 17:20

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 61 Resp: 1736326

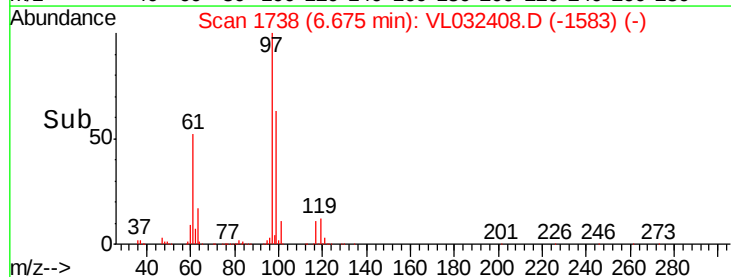
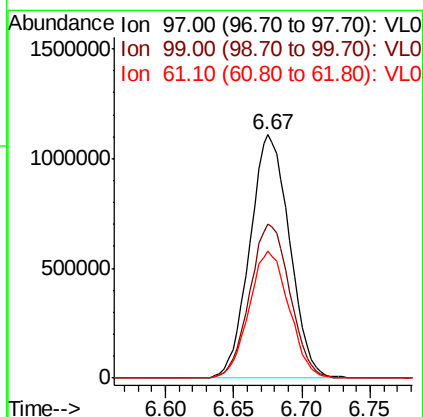
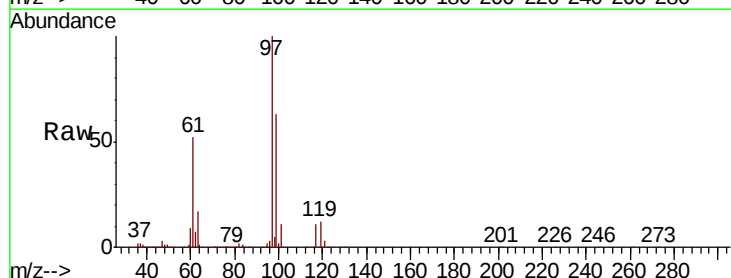
Ion	Ratio	Lower	Upper
61	100		
96	61.2	48.5	72.7
98	39.4	31.0	46.4

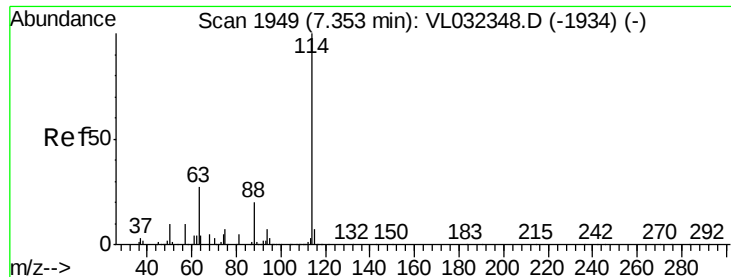


#32
 1,1,1-Trichloroethane
 Concen: 9.719 ppbv
 RT: 6.67 min Scan# 1738
 Delta R.T. -0.00 min
 Lab File: VL032408.D
 Acq: 20 Aug 2018 17:20

Tgt Ion: 97 Resp: 2246448

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.1	76.7
61	52.3	41.1	61.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.35 min Scan# 1948

Delta R.T. -0.00 min

Lab File: VL032408.D

Acq: 20 Aug 2018 17:20

Instrument :

MSVOA_L

ClientSampleId :

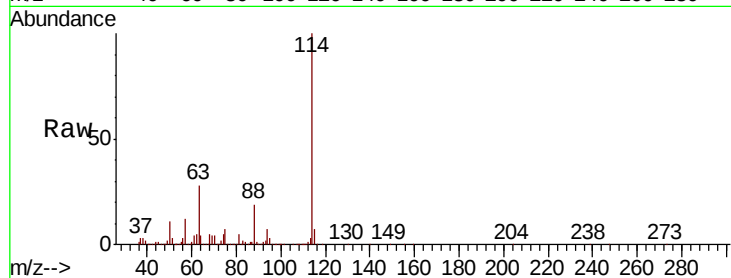
Tot Ion:114 Resp: 3624063

Ion Ratio Lower Upper

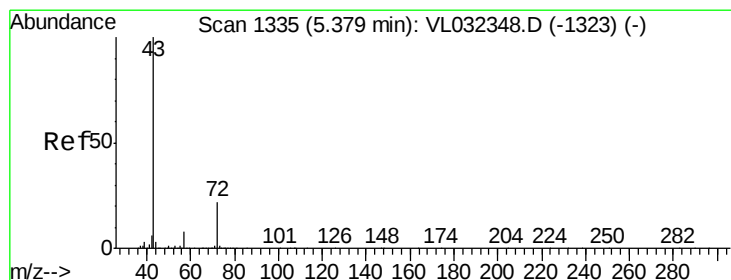
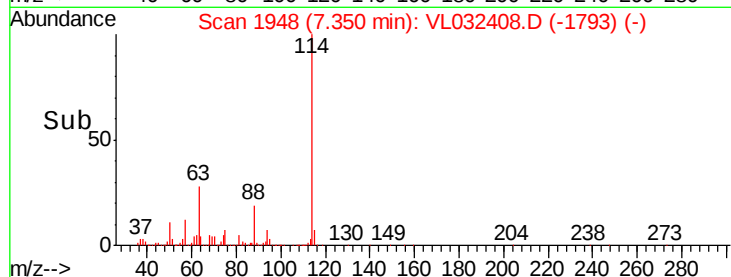
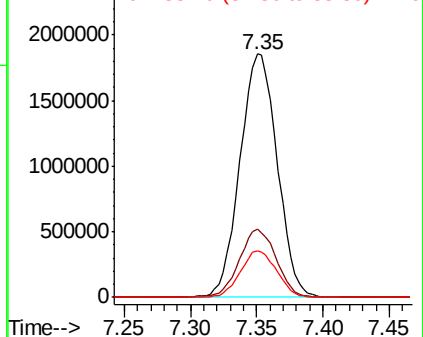
114 100

63 28.0 22.0 33.0

88 18.7 15.3 22.9



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: 10.953 ppbv

RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VL032408.D

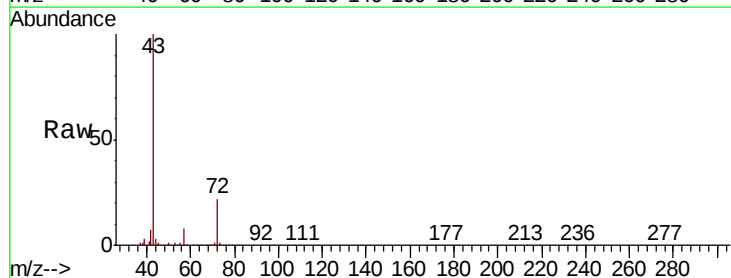
Acq: 20 Aug 2018 17:20

Tgt Ion: 43 Resp: 2701542

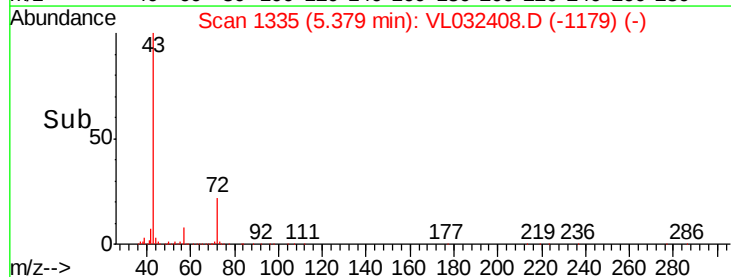
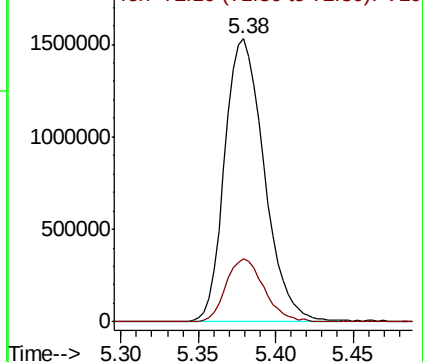
Ion Ratio Lower Upper

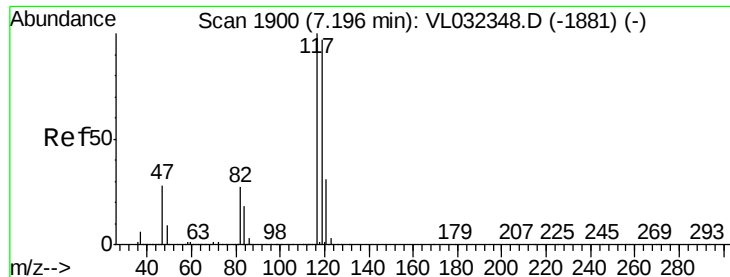
43 100

72 21.7 17.9 26.9



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

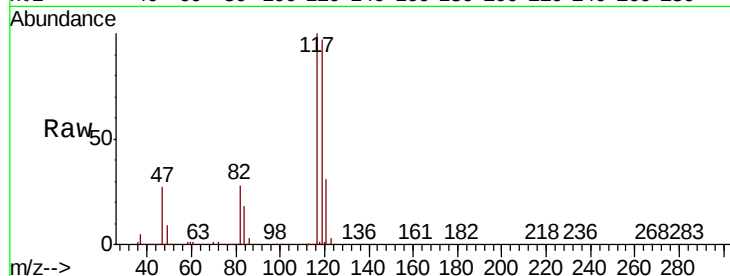




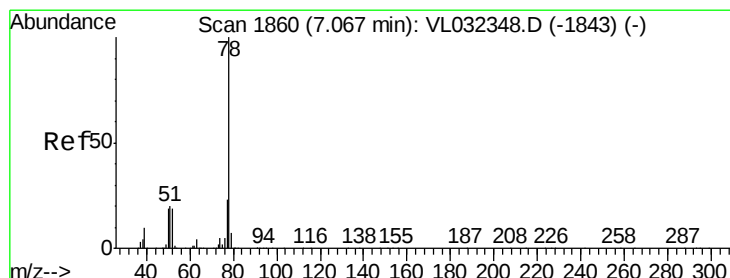
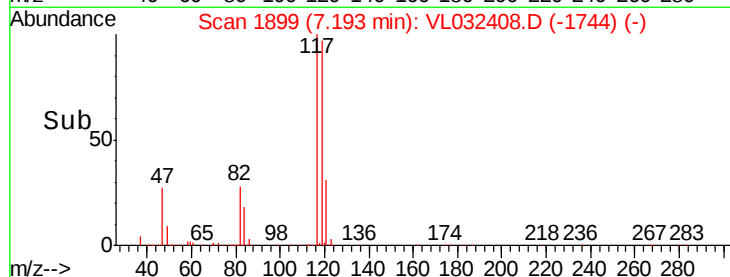
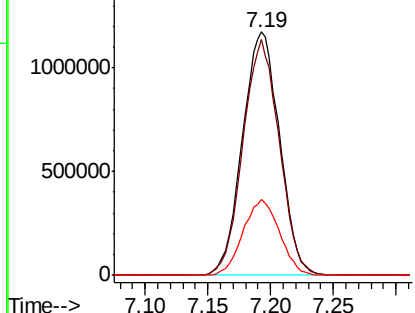
#35
Carbon Tetrachloride
Concen: 11.300 ppbv
RT: 7.19 min Scan# 1899
Delta R.T. -0.00 min
Lab File: VL032408.D
Acq: 20 Aug 2018 17:20

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 2414708
Ion Ratio Lower Upper
117 100
119 96.9 77.2 115.8
121 31.1 25.1 37.7

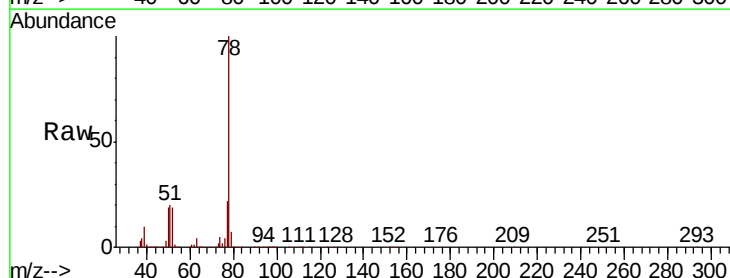


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

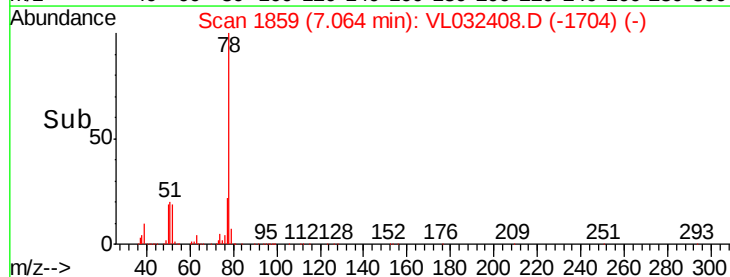
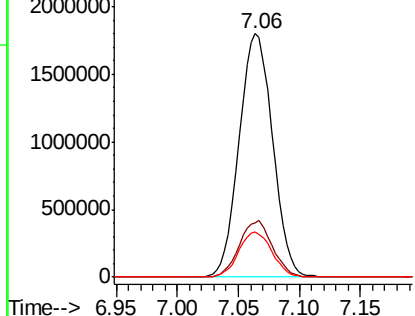


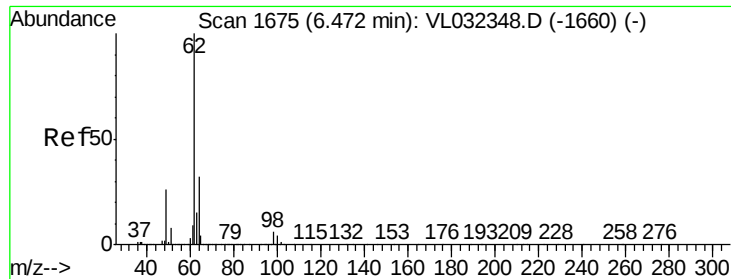
#36
Benzene
Concen: 11.111 ppbv
RT: 7.06 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VL032408.D
Acq: 20 Aug 2018 17:20

Tgt Ion: 78 Resp: 3413988
Ion Ratio Lower Upper
78 100
77 22.0 18.0 27.0
50 18.6 15.1 22.7



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: 10.577 ppbv

RT: 6.47 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VL032408.D

Acq: 20 Aug 2018 17:20

Instrument :

MSVOA_L

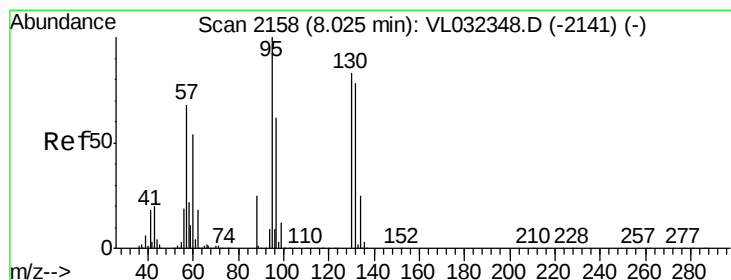
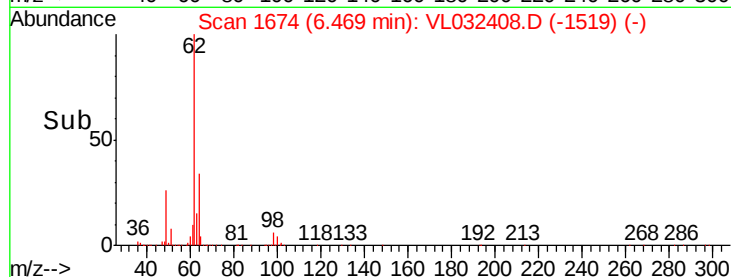
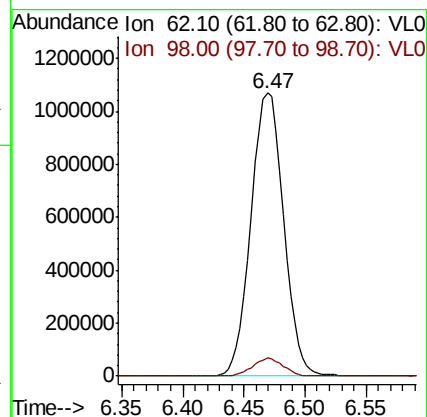
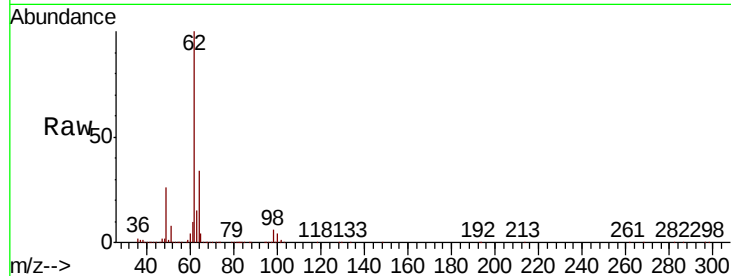
ClientSampleId :

Tot Ion: 62 Resp: 1971729

Ion Ratio Lower Upper

62 100

98 6.0 5.0 7.6



#38

Trichloroethene

Concen: 11.849 ppbv

RT: 8.02 min Scan# 2157

Delta R.T. -0.00 min

Lab File: VL032408.D

Acq: 20 Aug 2018 17:20

Tgt Ion:130 Resp: 1276911

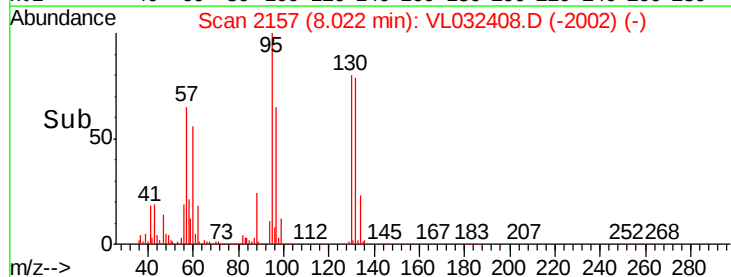
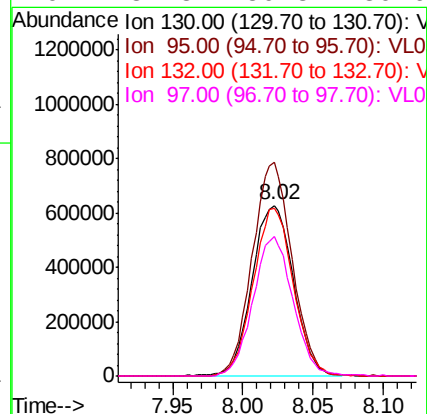
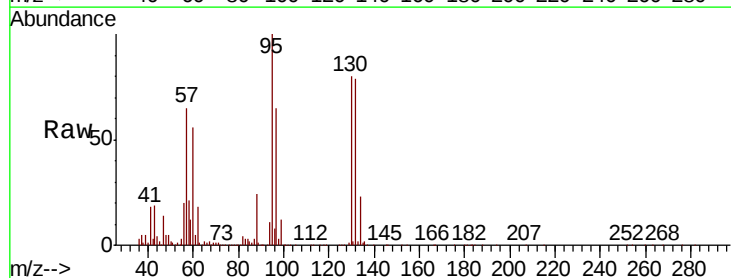
Ion Ratio Lower Upper

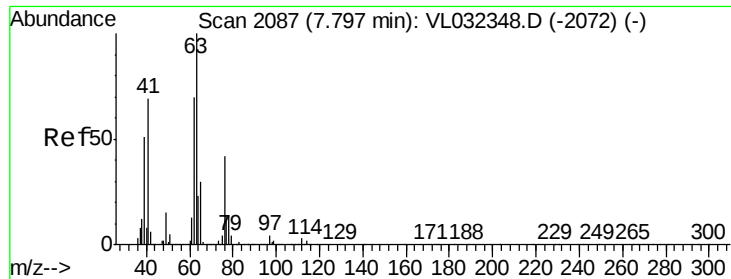
130 100

95 125.3 96.6 144.8

132 98.7 75.5 113.3

97 81.8 59.8 89.6





#39

1,2-Dichloropropane

Concen: 10.747 ppbv

RT: 7.80 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VL032408.D

Acq: 20 Aug 2018 17:20

Instrument :

MSVOA_L

ClientSampleId :

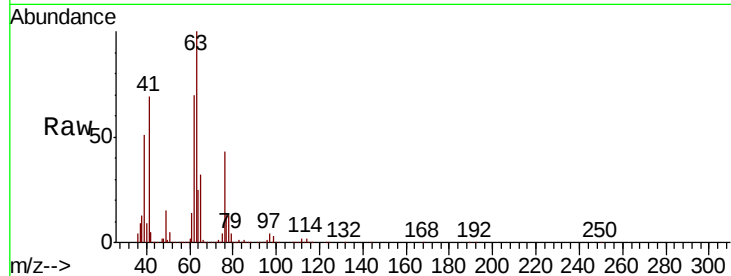
Tot Ion: 63 Resp: 1379261

Ion Ratio Lower Upper

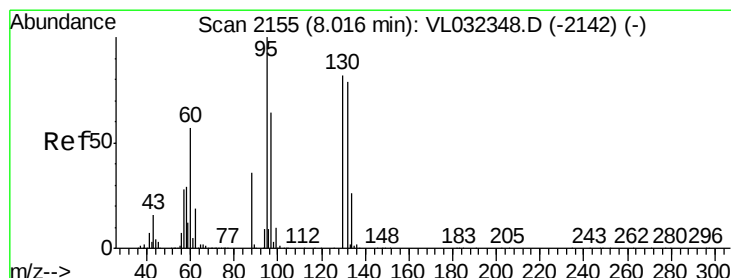
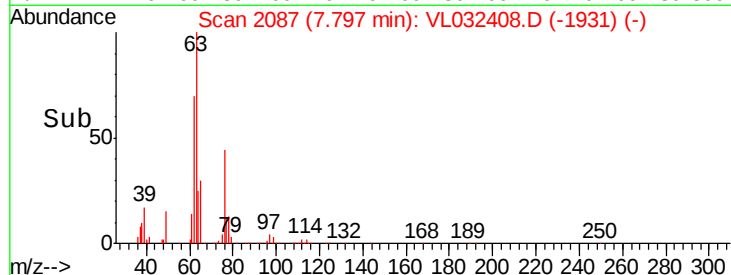
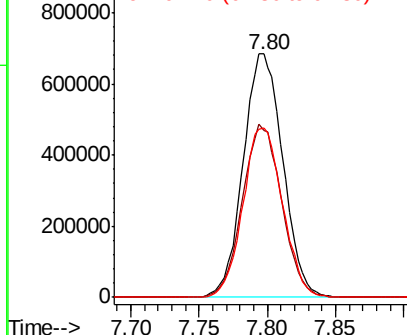
63 100

41 68.6 55.5 83.3

62 69.6 56.3 84.5



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: 13.193 ppbv

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VL032408.D

Acq: 20 Aug 2018 17:20

Tgt Ion: 88 Resp: 514339

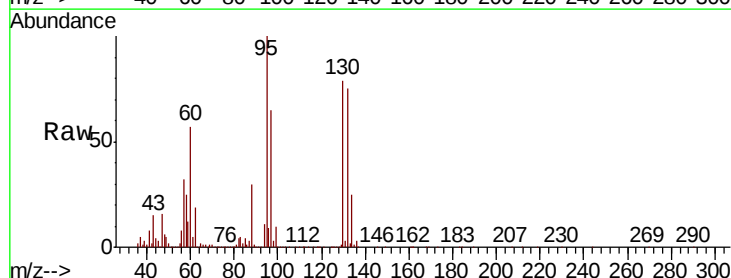
Ion Ratio Lower Upper

88 100

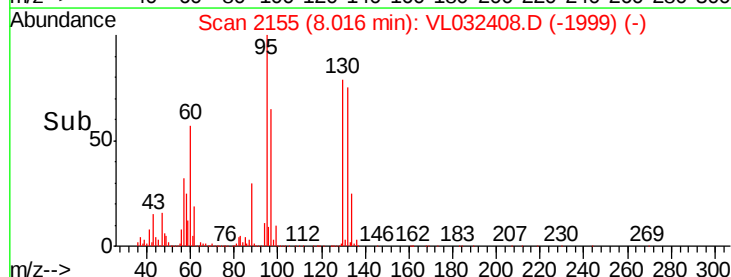
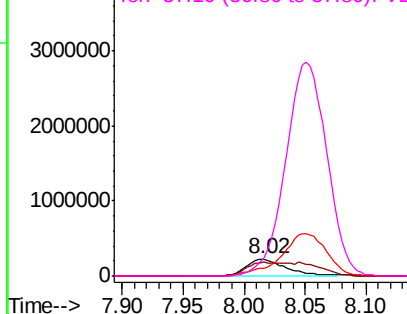
58 141.6 113.7 170.5

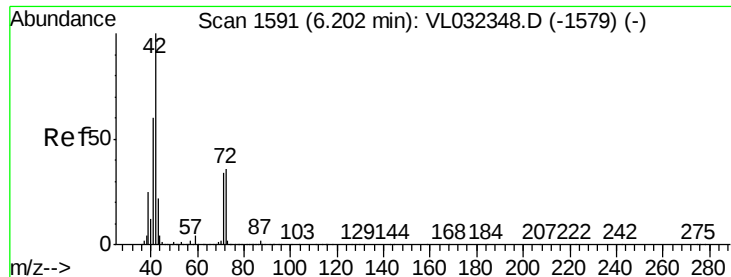
43 284.4 224.0 336.0

57 1303.4 1013.0 1519.6



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

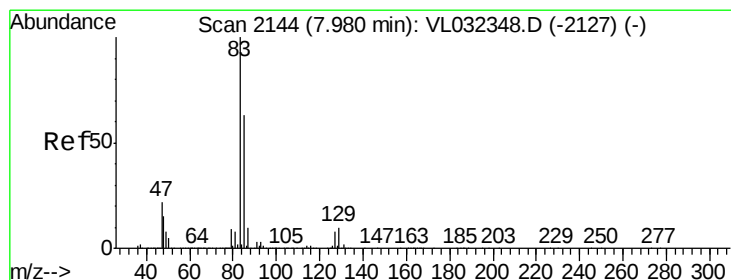
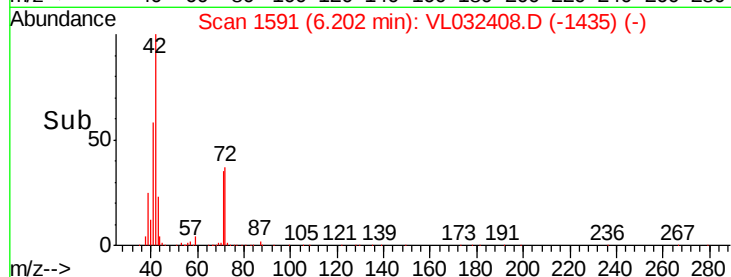
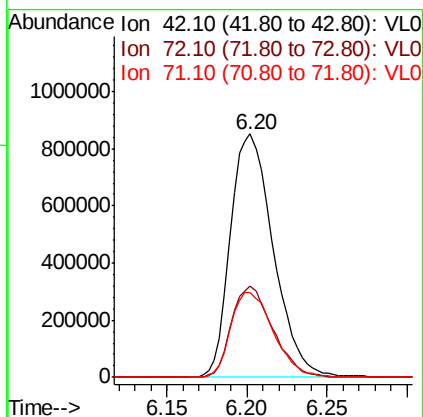
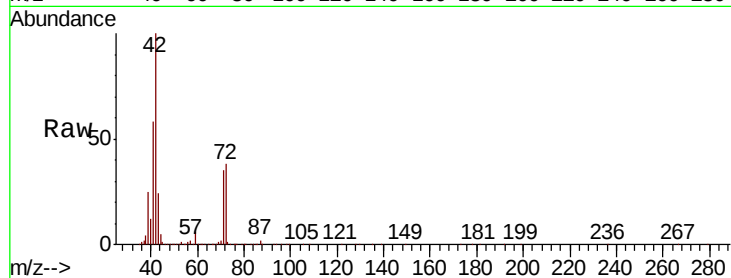




#41
Tetrahydrofuran
Concen: 11.750 ppbv
RT: 6.20 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VL032408.D
Acq: 20 Aug 2018 17:20

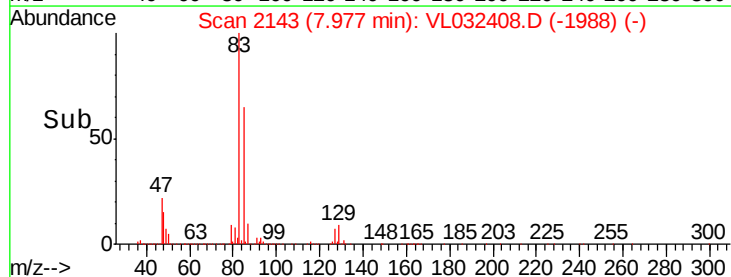
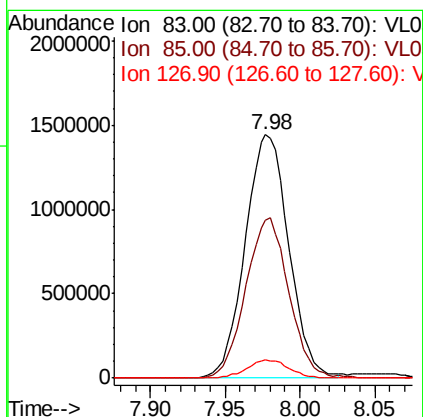
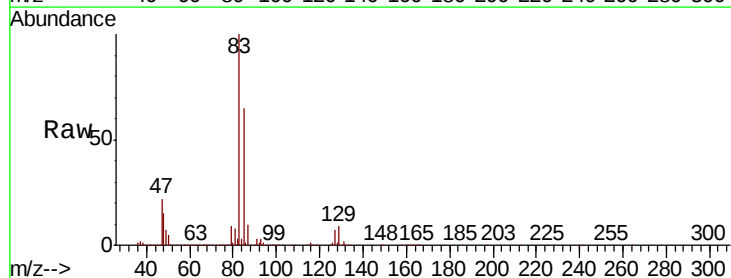
Instrument :
MSVOA_L
ClientSampled :

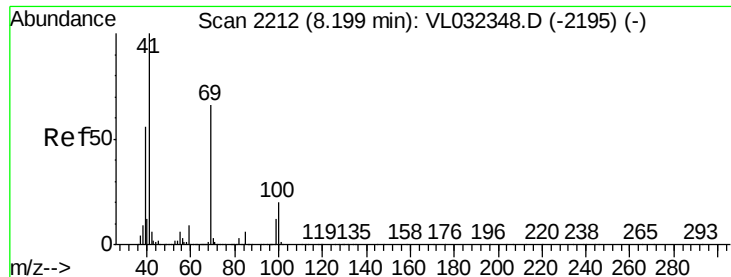
Tot Ion: 42 Resp: 1555890
Ion Ratio Lower Upper
42 100
72 36.7 29.8 44.6
71 35.1 28.2 42.2



#42
Bromodichloromethane
Concen: 11.970 ppbv
RT: 7.98 min Scan# 2143
Delta R.T. -0.00 min
Lab File: VL032408.D
Acq: 20 Aug 2018 17:20

Tgt Ion: 83 Resp: 2921692
Ion Ratio Lower Upper
83 100
85 65.0 50.4 75.6
127 7.3 6.1 9.1

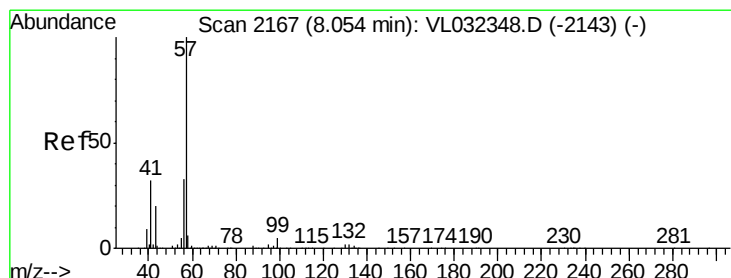
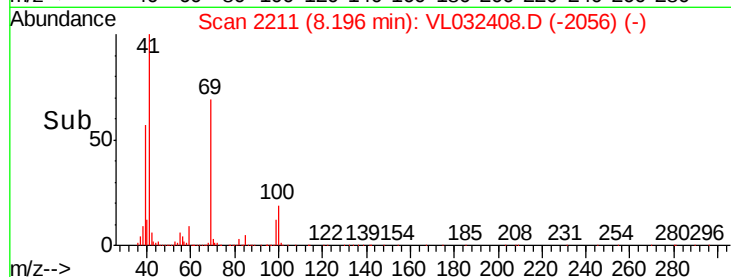
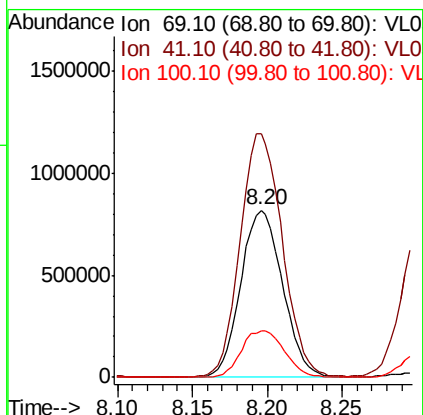
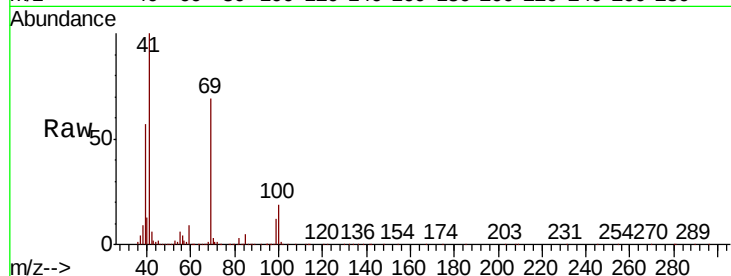




#43
Methvl Methacrylate
Concen: 13.028 ppbv
RT: 8.20 min Scan# 2211
Delta R.T. -0.00 min
Lab File: VL032408.D
Acq: 20 Aug 2018 17:20

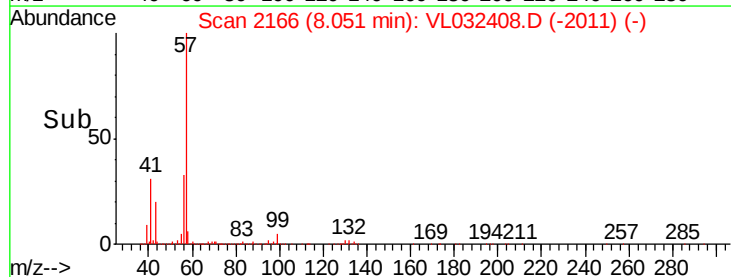
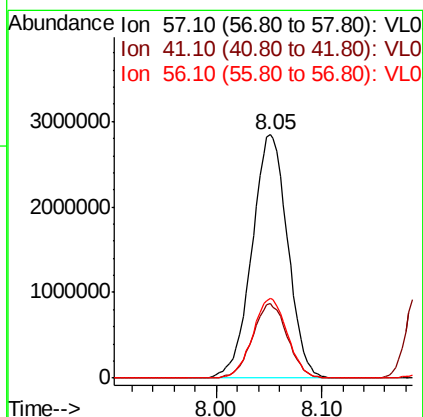
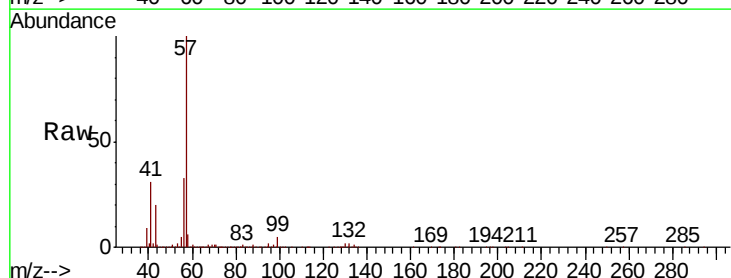
Instrument :
MSVOA_L
ClientSampleId :

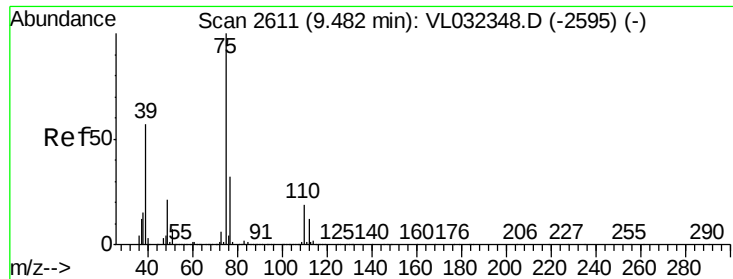
Tot Ion: 69 Resp: 1594982
Ion Ratio Lower Upper
69 100
41 147.4 118.6 177.8
100 29.1 23.4 35.2



#44
2,2,4-Trimethylpentane
Concen: 12.088 ppbv
RT: 8.05 min Scan# 2166
Delta R.T. -0.00 min
Lab File: VL032408.D
Acq: 20 Aug 2018 17:20

Tgt Ion: 57 Resp: 6697323
Ion Ratio Lower Upper
57 100
41 30.1 24.3 36.5
56 31.9 25.7 38.5

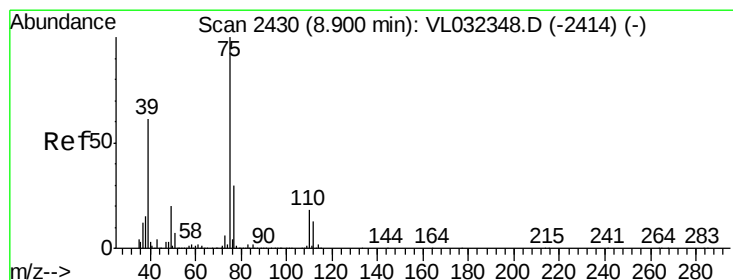
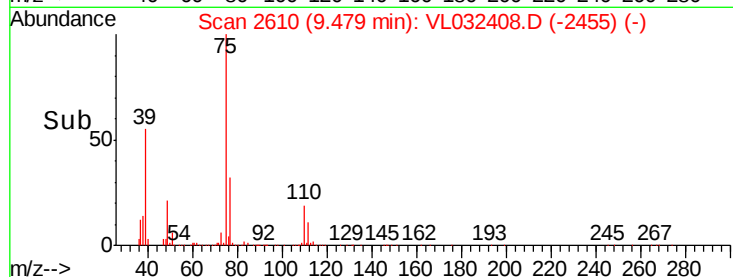
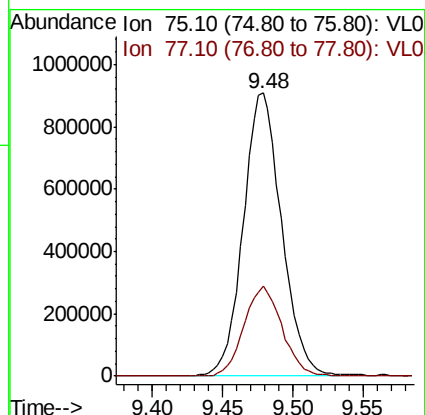
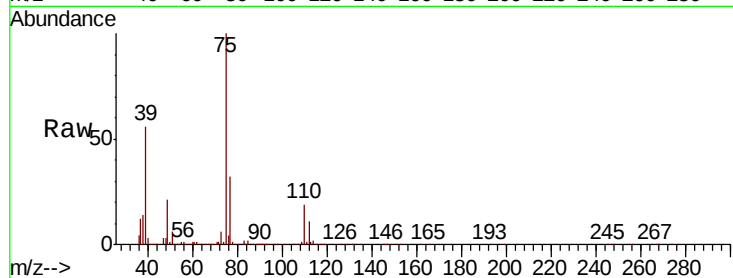




#45
 t-1,3-Dichloropropene
 Concen: 11.132 ppbv
 RT: 9.48 min Scan# 2610
 Delta R.T. -0.00 min
 Lab File: VL032408.D
 Acq: 20 Aug 2018 17:20

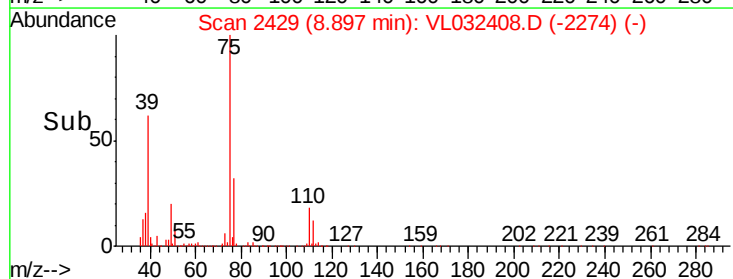
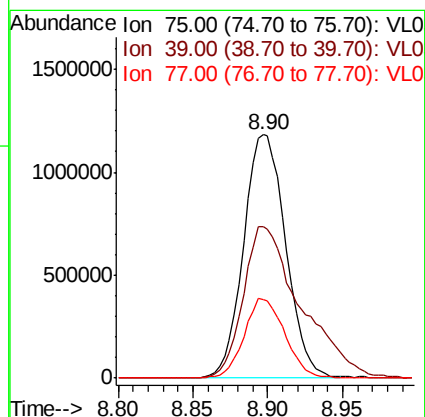
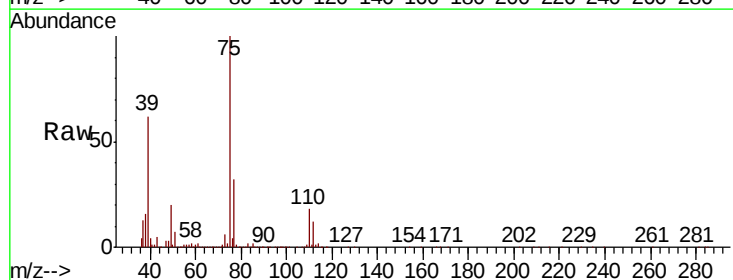
Instrument :
 MSVOA_L
 ClientSampled :

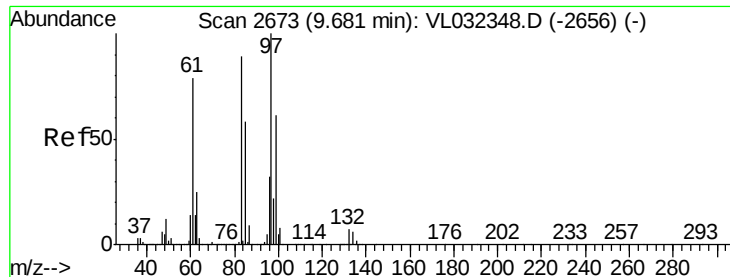
Tot Ion: 75 Resp: 1723689
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.4 38.2



#46
 cis-1,3-Dichloropropene
 Concen: 12.488 ppbv
 RT: 8.90 min Scan# 2429
 Delta R.T. -0.00 min
 Lab File: VL032408.D
 Acq: 20 Aug 2018 17:20

Tgt Ion: 75 Resp: 2319071
 Ion Ratio Lower Upper
 75 100
 39 62.2 48.5 72.7
 77 32.3 24.3 36.5



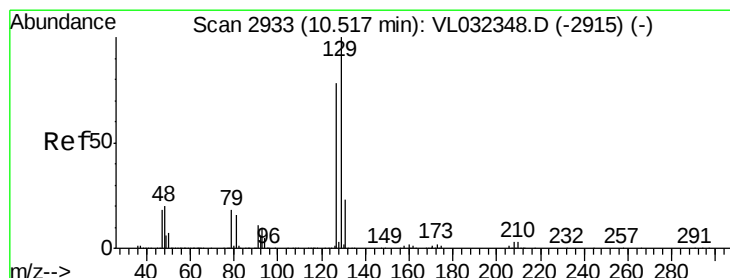
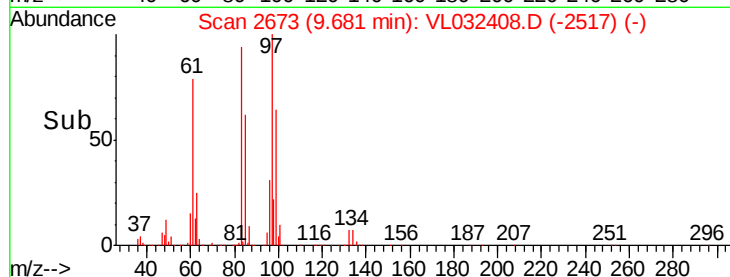
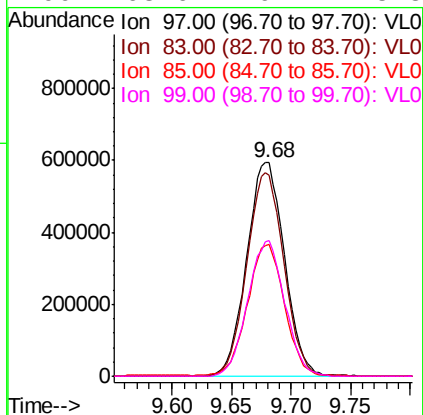
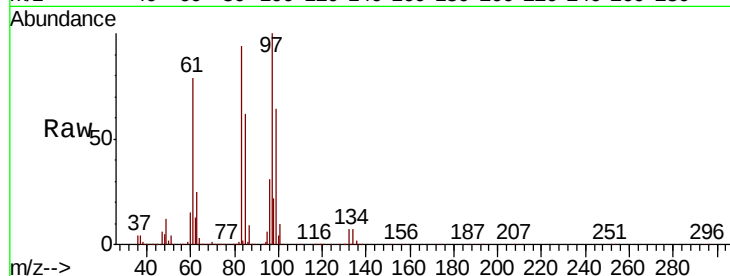


#47
 1,1,2-Trichloroethane
 Concen: 9.242 ppbv
 RT: 9.68 min Scan# 2673
 Delta R.T. 0.00 min
 Lab File: VL032408.D
 Acq: 20 Aug 2018 17:20

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 97 Resp: 1305425

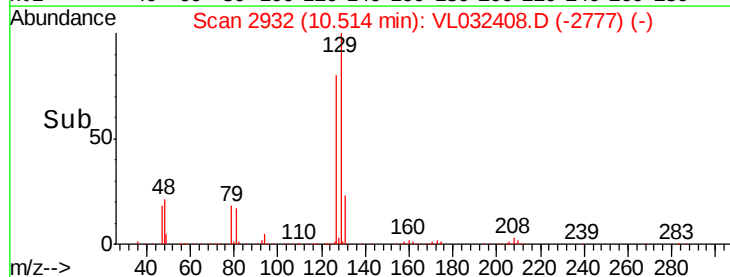
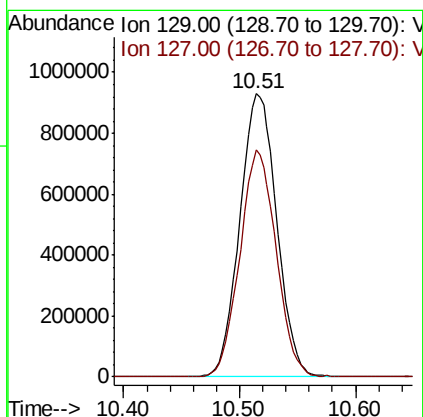
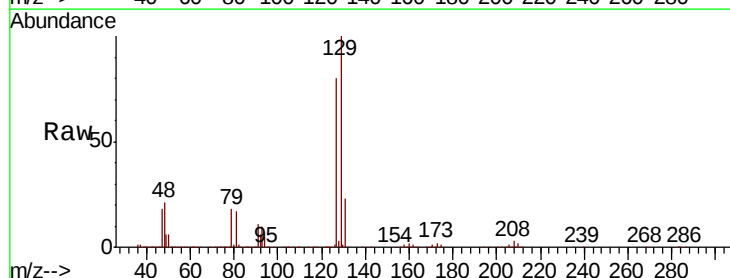
Ion	Ratio	Lower	Upper
97	100		
83	94.0	71.2	106.8
85	61.5	46.6	69.8
99	63.6	49.2	73.8

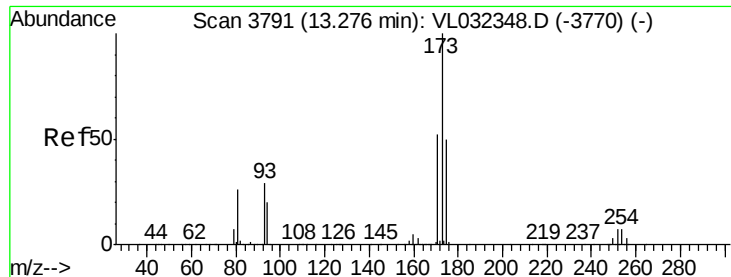


#48
 Dibromochloromethane
 Concen: 10.906 ppbv
 RT: 10.51 min Scan# 2932
 Delta R.T. -0.00 min
 Lab File: VL032408.D
 Acq: 20 Aug 2018 17:20

Tgt Ion: 129 Resp: 2059520

Ion	Ratio	Lower	Upper
129	100		
127	78.7	39.3	117.9





#49

Bromoform

Concen: 11.466 ppbv

RT: 13.27 min Scan# 3788

Delta R.T. -0.01 min

Lab File: VL032408.D

Acq: 20 Aug 2018 17:20

Instrument :

MSVOA_L

ClientSampleId :

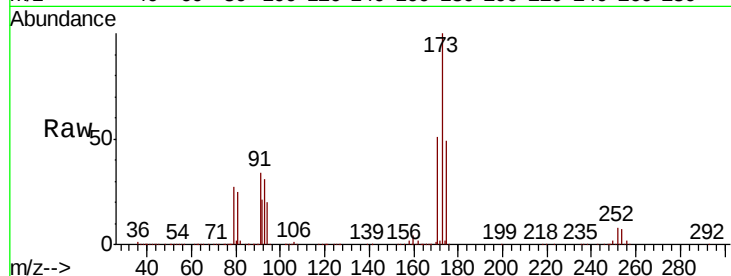
Tot Ion:173 Resp: 1798554

Ion Ratio Lower Upper

173 100

175 48.5 39.3 58.9

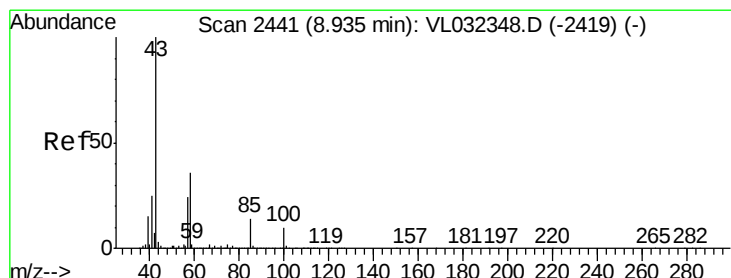
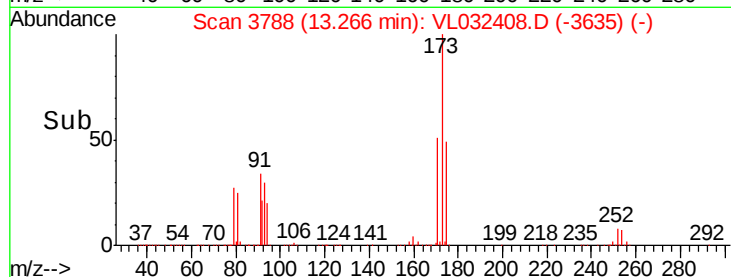
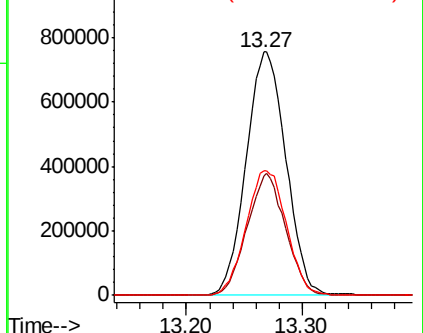
171 52.4 41.9 62.9



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: 11.333 ppbv

RT: 8.93 min Scan# 2440

Delta R.T. -0.00 min

Lab File: VL032408.D

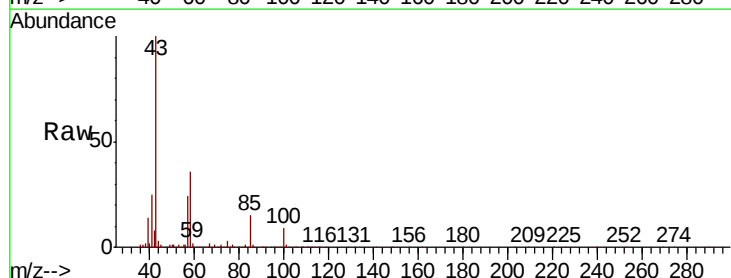
Acq: 20 Aug 2018 17:20

Tgt Ion: 43 Resp: 4036831

Ion Ratio Lower Upper

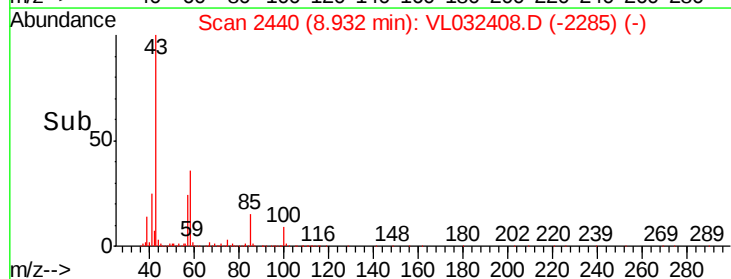
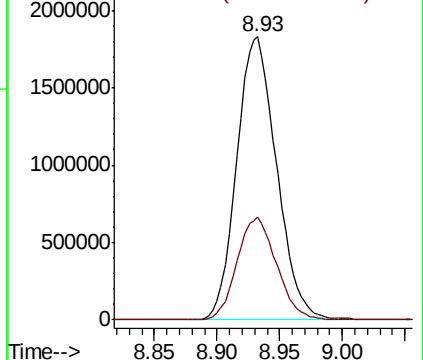
43 100

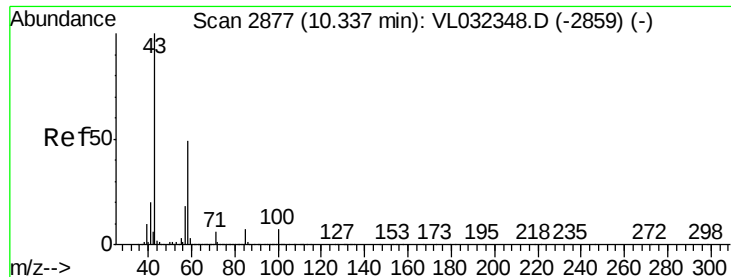
58 36.0 28.9 43.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

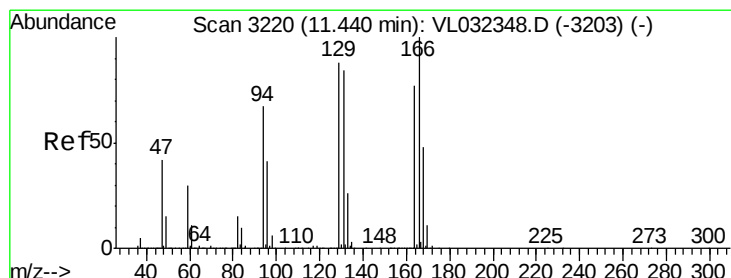
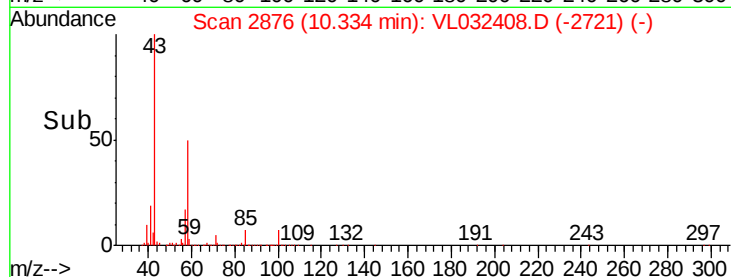
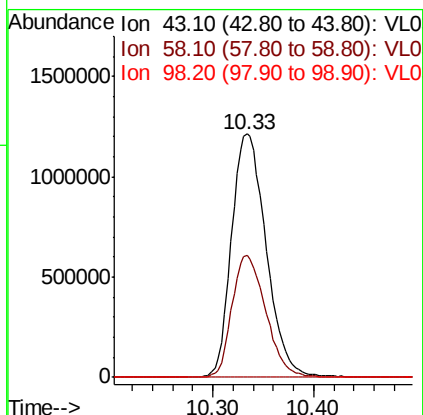
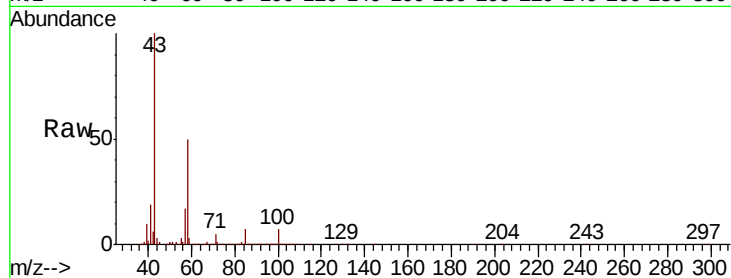




#51
2-Hexanone
Concen: 11.573 ppbv
RT: 10.33 min Scan# 2876
Delta R.T. -0.00 min
Lab File: VL032408.D
Acq: 20 Aug 2018 17:20

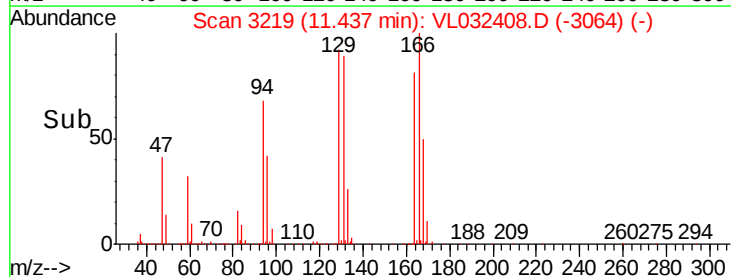
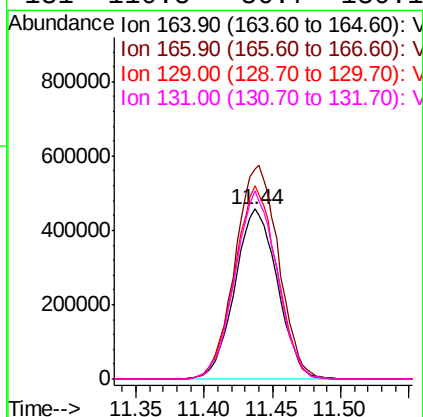
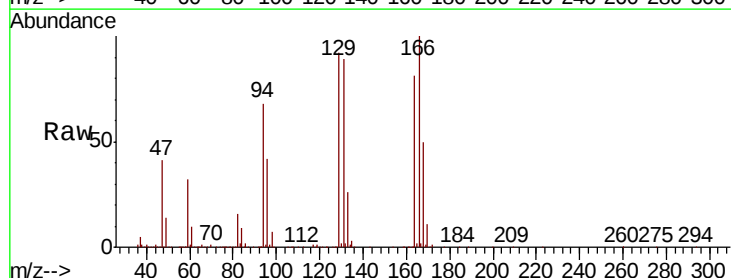
Instrument :
MSVOA_L
ClientSampleId :

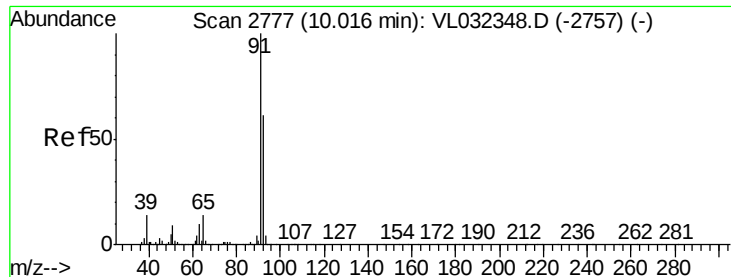
Tot Ion: 43 Resp: 2894871
Ion Ratio Lower Upper
43 100
58 49.0 39.5 59.3
98 0.5 0.3 0.5#



#52
Tetrachloroethene
Concen: 10.891 ppbv
RT: 11.44 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VL032408.D
Acq: 20 Aug 2018 17:20

Tgt Ion:164 Resp: 986908
Ion Ratio Lower Upper
164 100
166 123.5 103.5 155.3
129 114.1 90.9 136.3
131 110.5 86.7 130.1





#53

Toluene

Concen: 10.800 ppbv

RT: 10.01 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VL032408.D

Acq: 20 Aug 2018 17:20

Instrument :

MSVOA_L

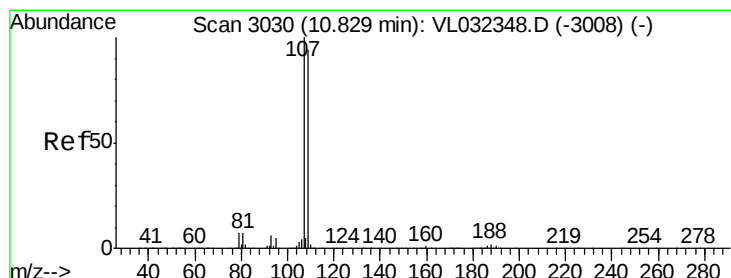
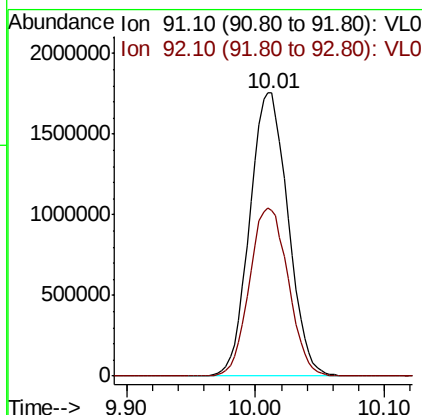
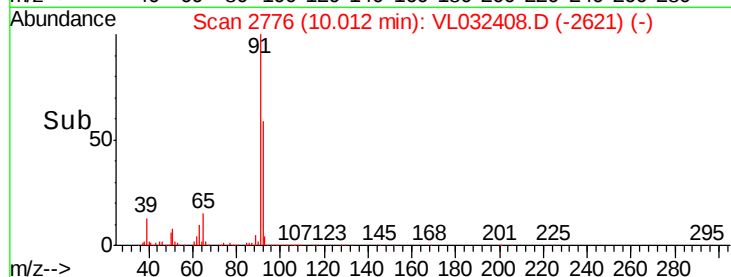
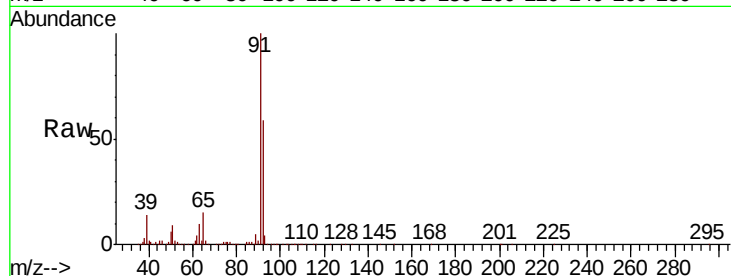
ClientSampleId :

Tot Ion: 91 Resp: 3637487

Ion Ratio Lower Upper

91 100

92 60.3 48.7 73.1



#54

1,2-Dibromoethane

Concen: 11.008 ppbv

RT: 10.83 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VL032408.D

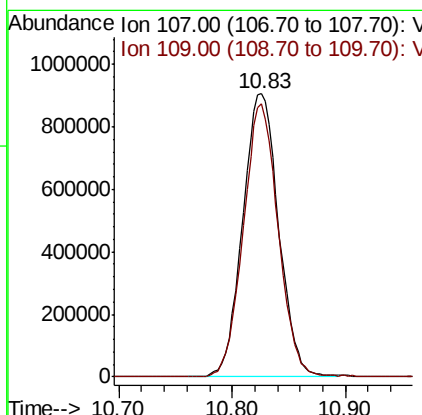
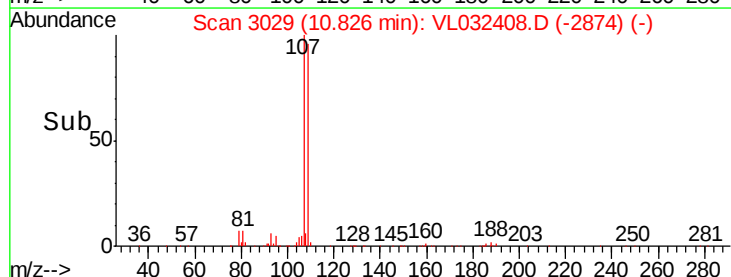
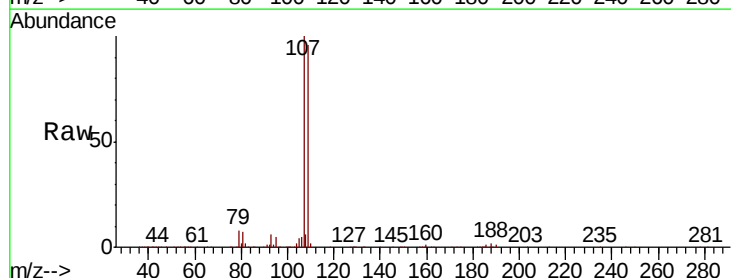
Acq: 20 Aug 2018 17:20

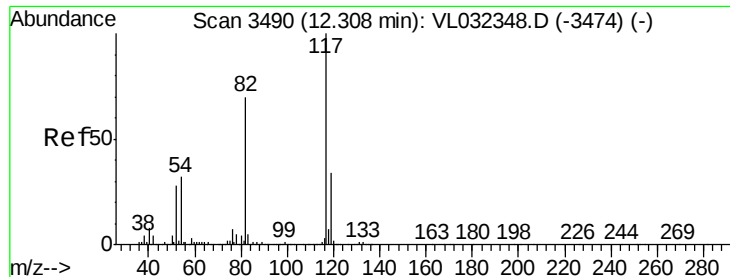
Tgt Ion: 107 Resp: 1997175

Ion Ratio Lower Upper

107 100

109 96.4 74.9 112.3





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.30 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VL032408.D

Acq: 20 Aug 2018 17:20

Instrument :

MSVOA_L

ClientSampleId :

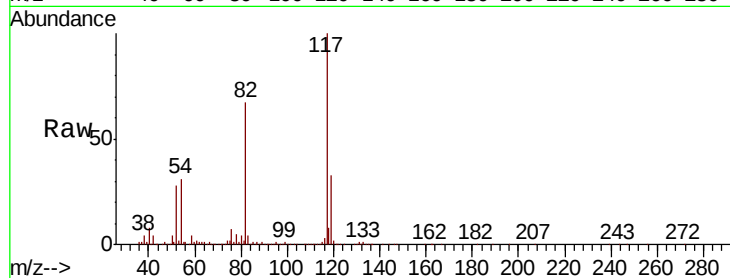
Tot Ion:117 Resp: 4588991

Ion Ratio Lower Upper

117 100

82 54.1 55.1 82.7#

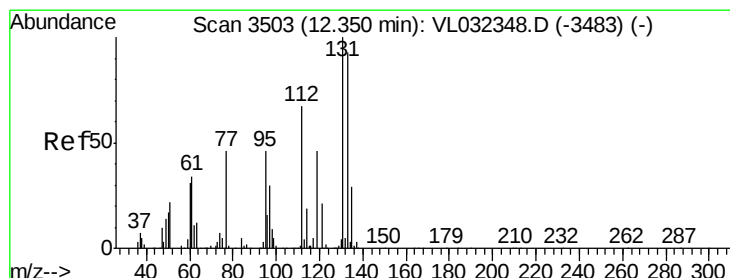
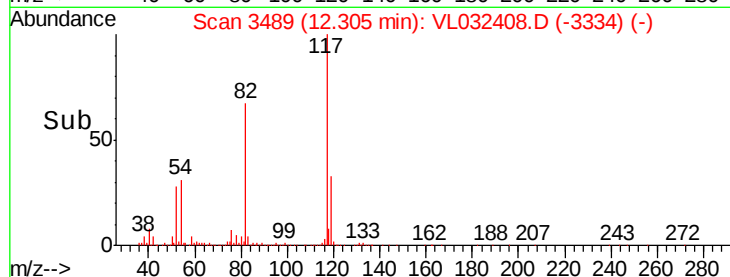
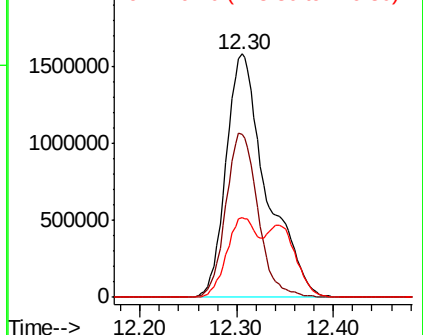
119 24.6 46.0 69.0#



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: 8.274 ppbv

RT: 12.34 min Scan# 3501

Delta R.T. -0.01 min

Lab File: VL032408.D

Acq: 20 Aug 2018 17:20

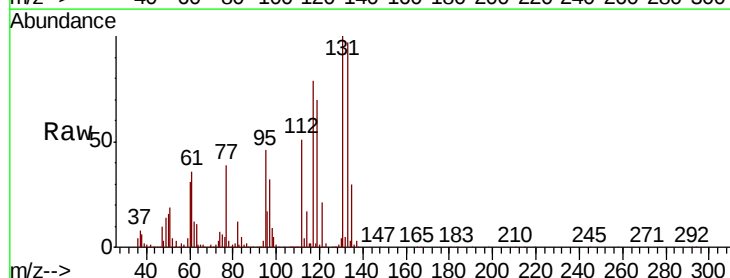
Tgt Ion:131 Resp: 1570726

Ion Ratio Lower Upper

131 100

133 94.4 75.7 113.5

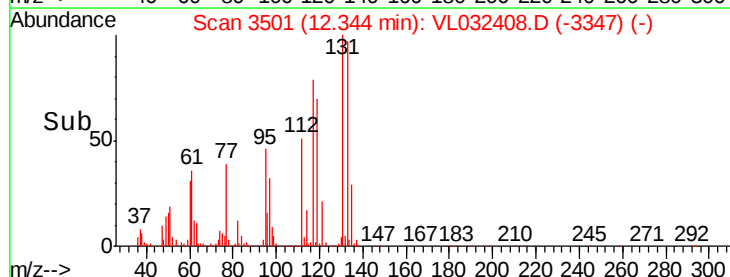
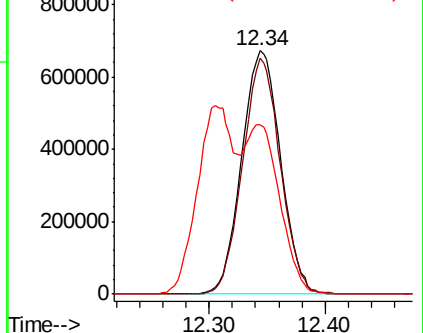
119 56.2 116.0 174.0#

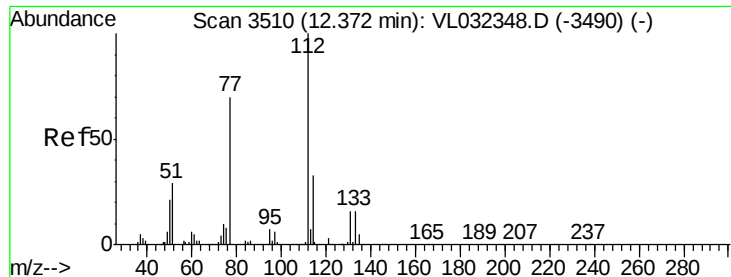


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

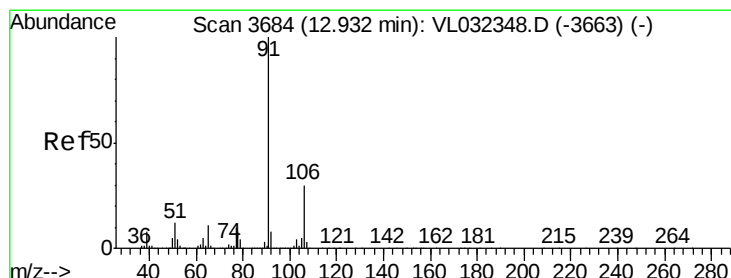
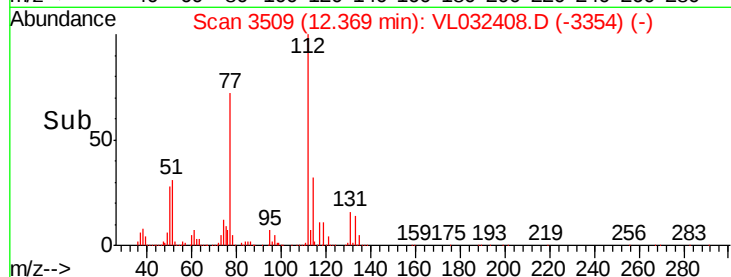
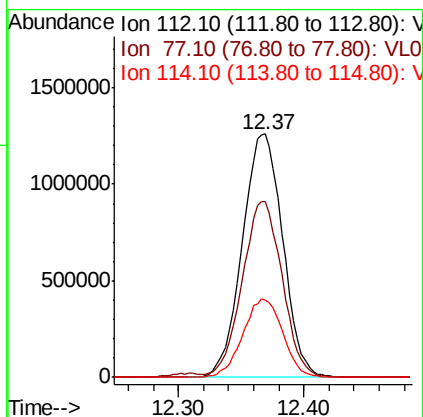
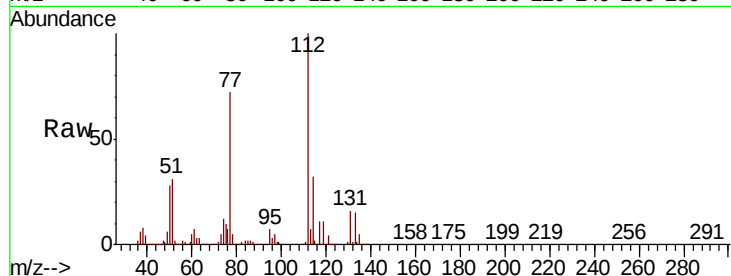




#57
Chlorobenzene
Concen: 8.156 ppbv
RT: 12.37 min Scan# 3509
Delta R.T. -0.00 min
Lab File: VL032408.D
Acq: 20 Aug 2018 17:20

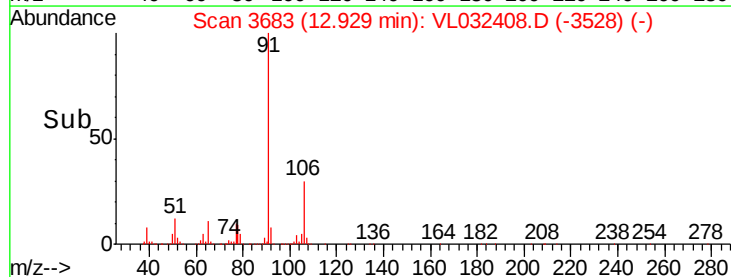
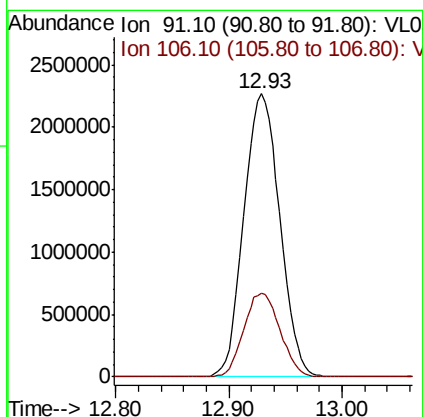
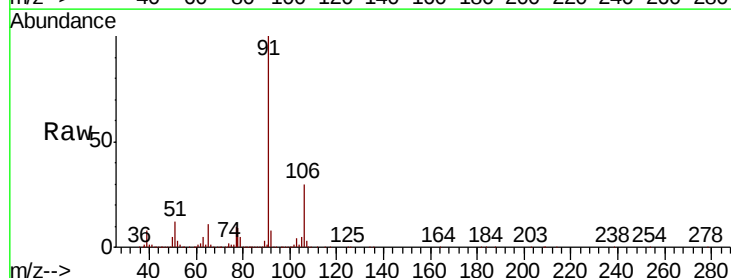
Instrument :
MSVOA_L
ClientSampleId :

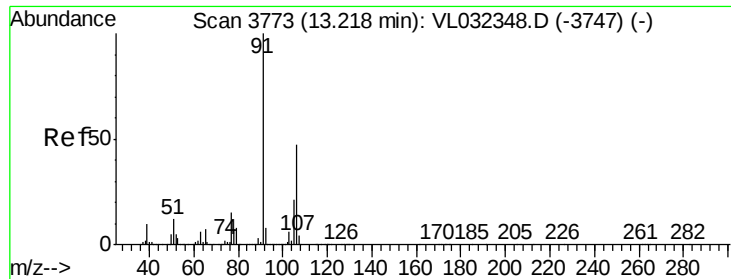
Tot Ion:112 Resp: 2817513
Ion Ratio Lower Upper
112 100
77 72.1 56.6 84.8
114 32.0 29.4 36.0



#58
Ethyl Benzene
Concen: 9.092 ppbv
RT: 12.93 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VL032408.D
Acq: 20 Aug 2018 17:20

Tgt Ion: 91 Resp: 5020054
Ion Ratio Lower Upper
91 100
106 29.8 24.3 36.5





#59

m/p-Xylene

Concen: 9.366 ppbv

RT: 13.21 min Scan# 3771

Delta R.T. -0.01 min

Lab File: VL032408.D

Acq: 20 Aug 2018 17:20

Instrument :

MSVOA_L

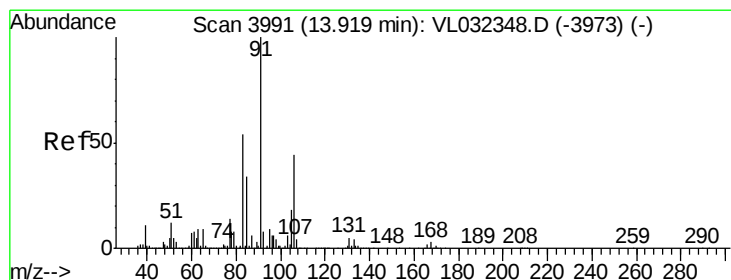
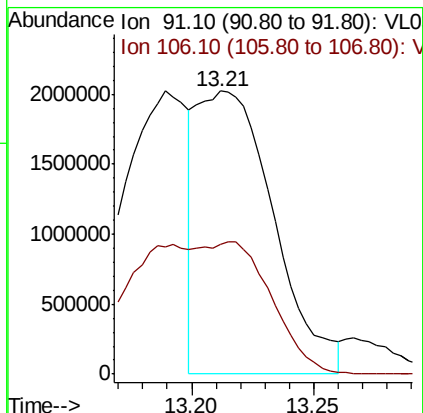
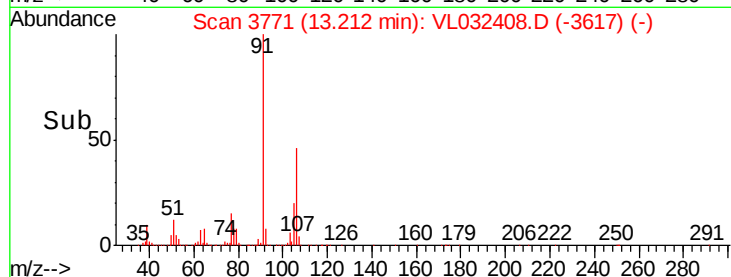
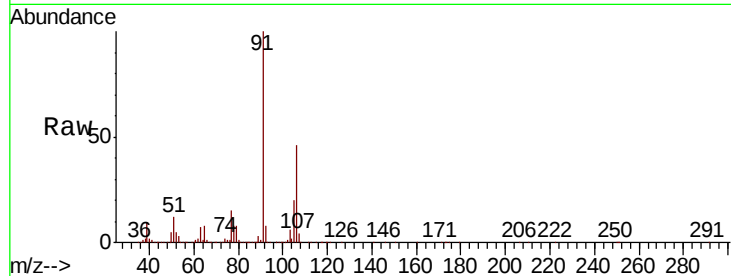
ClientSampleId :

Tot Ion: 91 Resp: 4392874

Ion Ratio Lower Upper

91 100

106 85.3 37.0 55.4#



#60

o-Xylene

Concen: 8.709 ppbv

RT: 13.92 min Scan# 3990

Delta R.T. -0.00 min

Lab File: VL032408.D

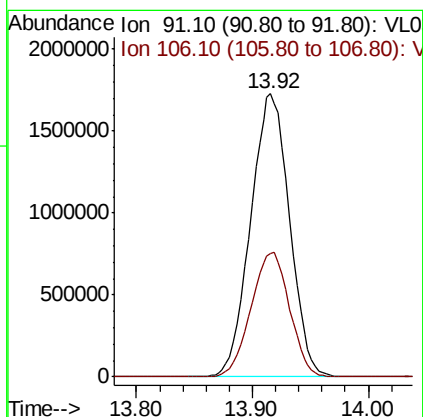
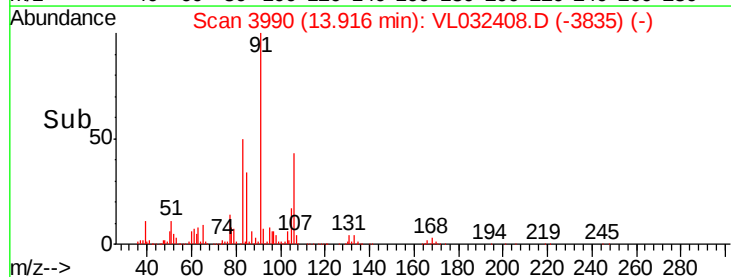
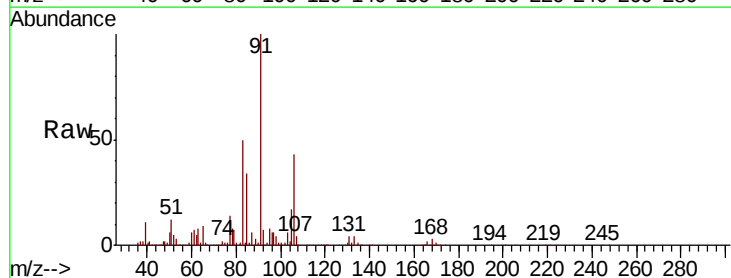
Acq: 20 Aug 2018 17:20

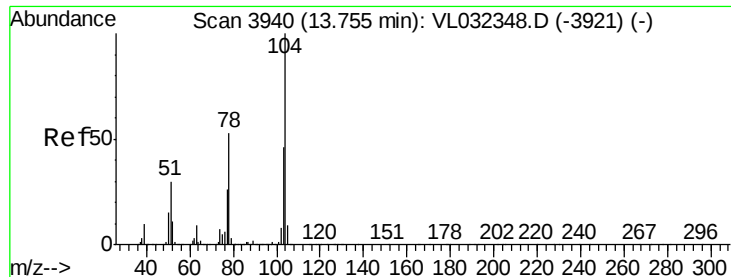
Tgt Ion: 91 Resp: 4014901

Ion Ratio Lower Upper

91 100

106 43.8 22.3 66.8

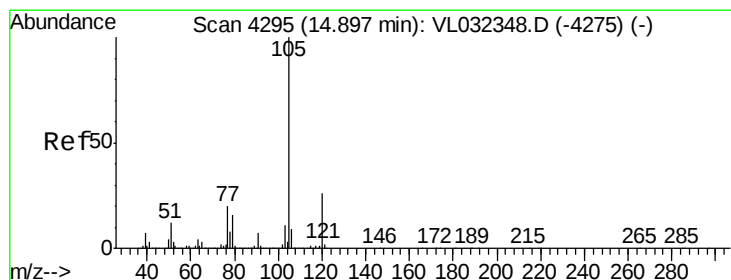
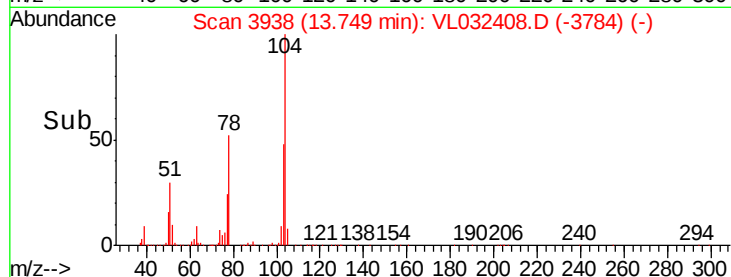
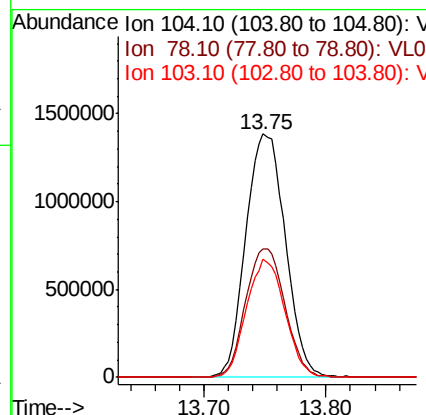
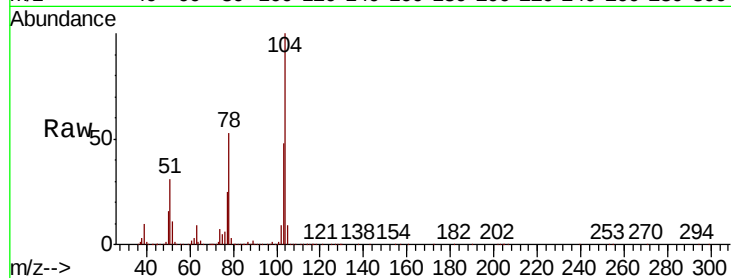




#61
Stvrene
Concen: 9.621 ppbv
RT: 13.75 min Scan# 3938
Delta R.T. -0.01 min
Lab File: VL032408.D
Acq: 20 Aug 2018 17:20

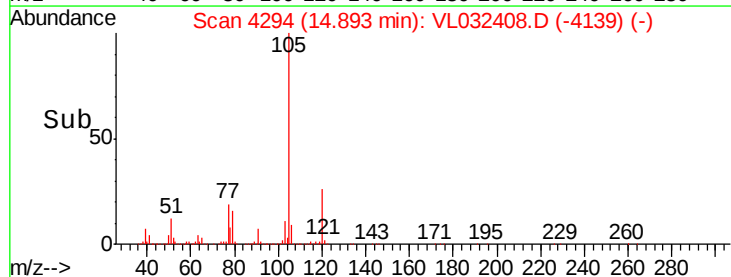
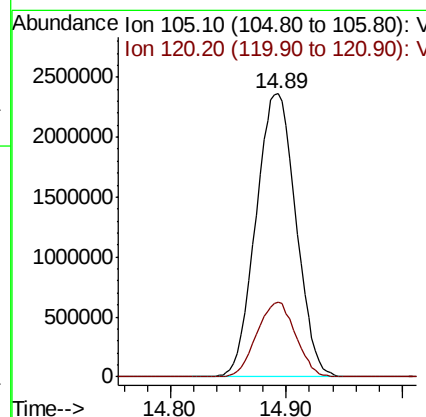
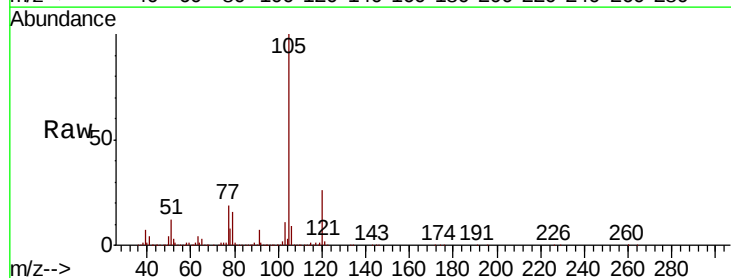
Instrument :
MSVOA_L
ClientSampleId :

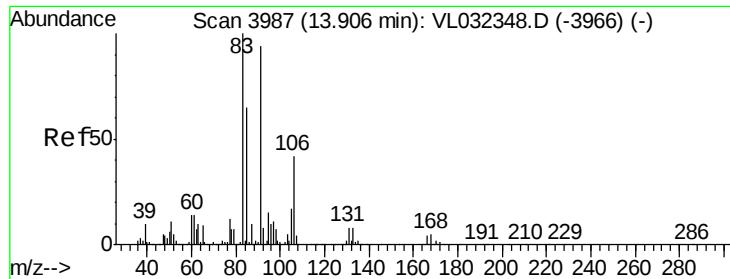
Tot Ion:104 Resp: 3099589
Ion Ratio Lower Upper
104 100
78 52.7 42.6 64.0
103 47.2 38.0 57.0



#62
Isopropylbenzene
Concen: 8.624 ppbv
RT: 14.89 min Scan# 4294
Delta R.T. -0.00 min
Lab File: VL032408.D
Acq: 20 Aug 2018 17:20

Tgt Ion:105 Resp: 5658721
Ion Ratio Lower Upper
105 100
120 25.7 20.6 30.8

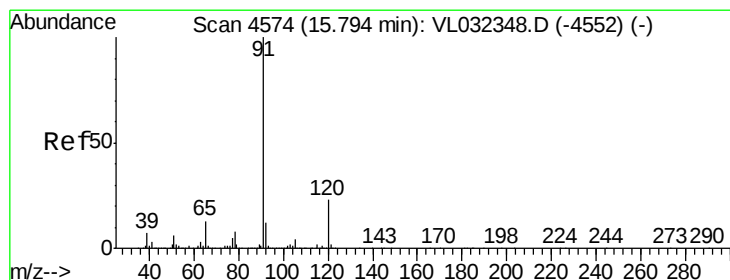
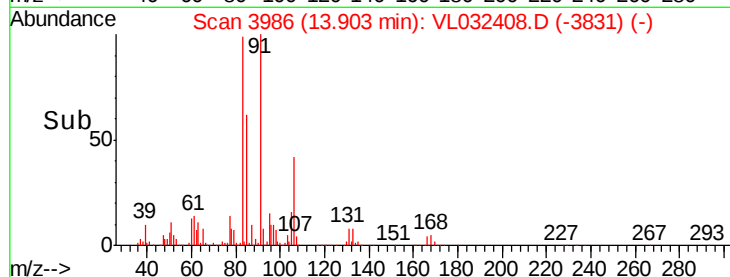
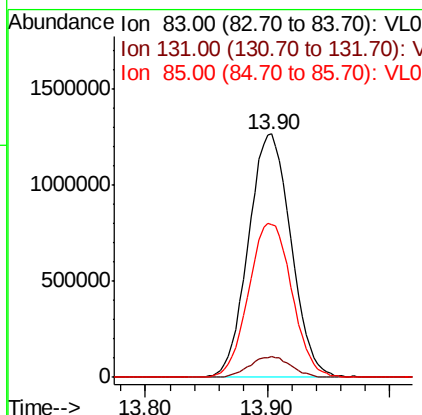
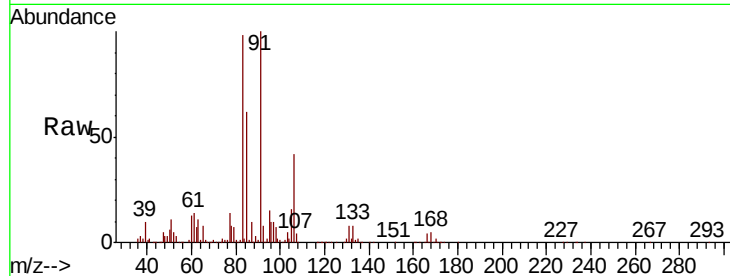




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.888 ppbv
 RT: 13.90 min Scan# 3986
 Delta R.T. -0.00 min
 Lab File: VL032408.D
 Acq: 20 Aug 2018 17:20

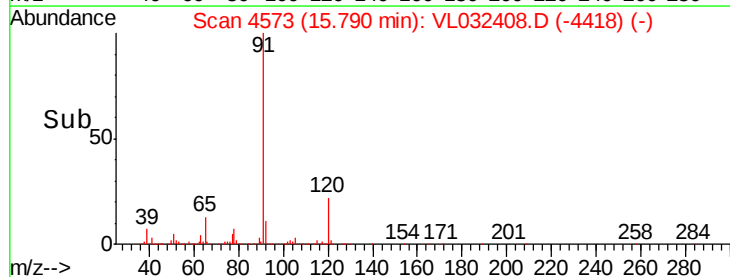
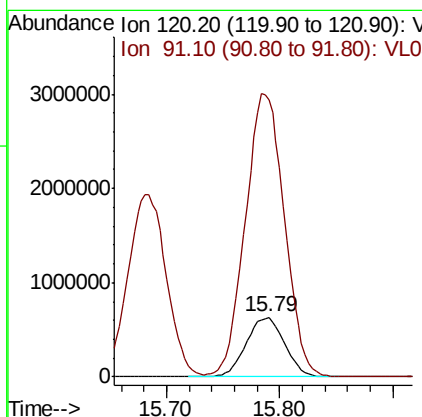
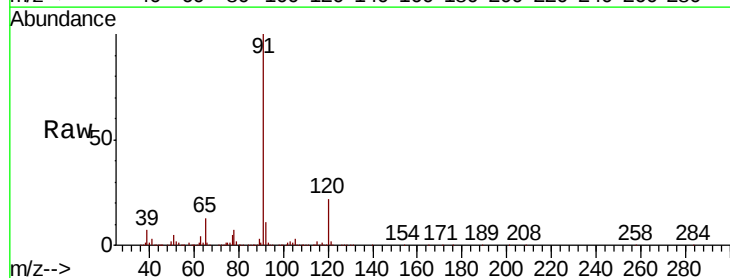
Instrument :
 MSVOA_L
 ClientSampleId :

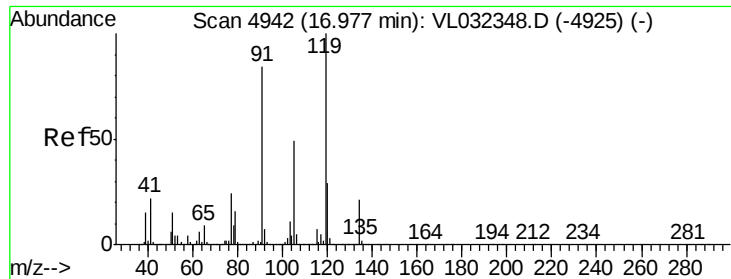
Tot Ion: 83 Resp: 3057578
 Ion Ratio Lower Upper
 83 100
 131 8.4 4.3 12.8
 85 64.5 32.4 97.2



#64
 n-propylbenzene
 Concen: 8.766 ppbv
 RT: 15.79 min Scan# 4573
 Delta R.T. -0.00 min
 Lab File: VL032408.D
 Acq: 20 Aug 2018 17:20

Tgt Ion:120 Resp: 1488718
 Ion Ratio Lower Upper
 120 100
 91 485.8 382.2 573.2





#65

tert-Butylbenzene

Concen: 8.536 ppbv

RT: 16.97 min Scan# 4940

Delta R.T. -0.01 min

Lab File: VL032408.D

Acq: 20 Aug 2018 17:20

Instrument :

MSVOA_L

ClientSampleId :

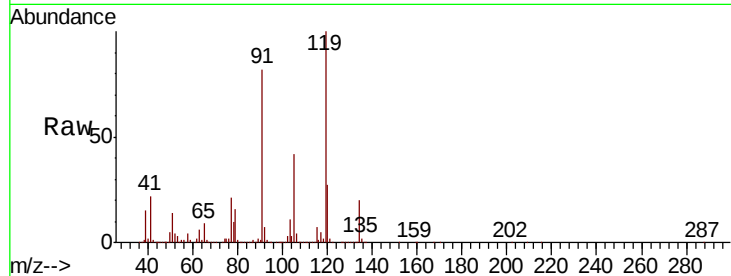
Tot Ion:119 Resp: 4784768

Ion Ratio Lower Upper

119 100

91 83.8 67.4 101.0

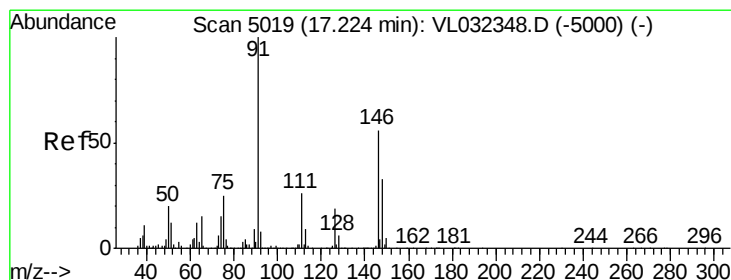
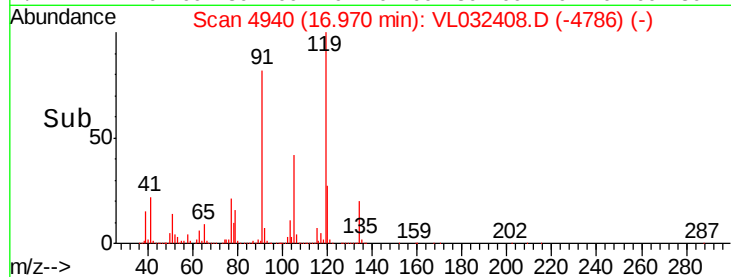
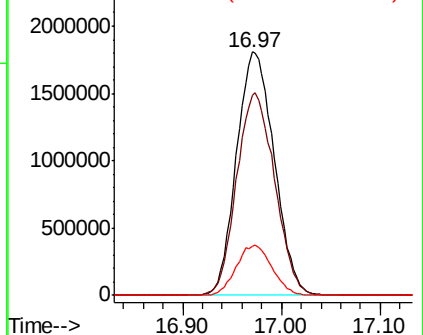
134 19.6 15.8 23.6



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

Benzyl Chloride

Concen: 9.938 ppbv

RT: 17.22 min Scan# 5018

Delta R.T. -0.00 min

Lab File: VL032408.D

Acq: 20 Aug 2018 17:20

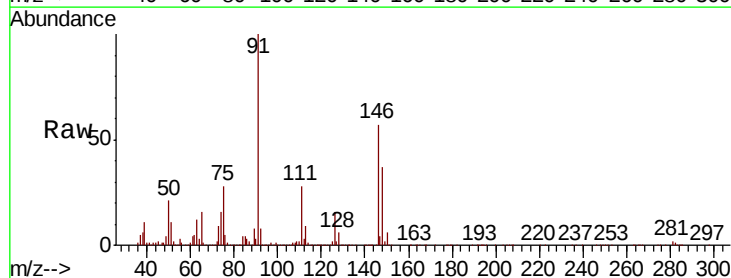
Tgt Ion: 91 Resp: 3298241

Ion Ratio Lower Upper

91 100

126 17.3 14.2 21.4

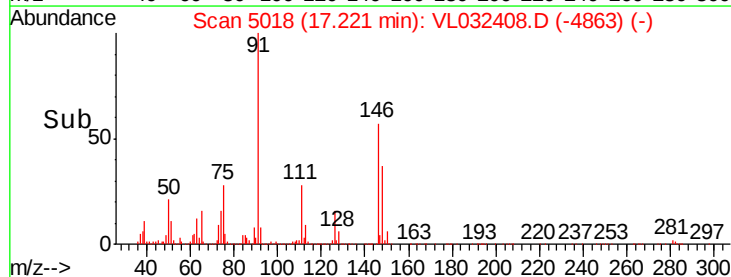
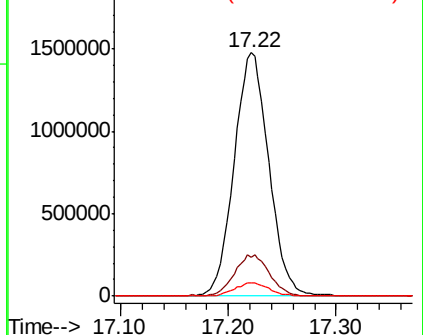
128 5.5 4.5 6.7

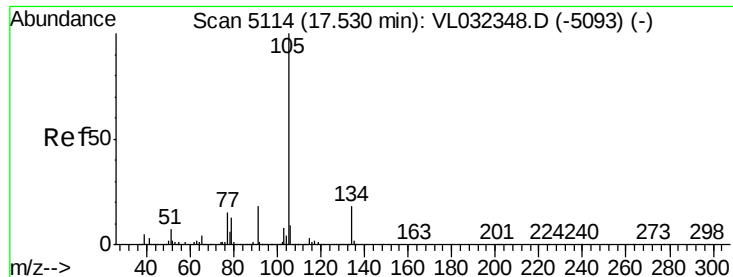


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.834 ppbv

RT: 17.52 min Scan# 5112

Delta R.T. -0.01 min

Lab File: VL032408.D

Acq: 20 Aug 2018 17:20

Instrument :

MSVOA_L

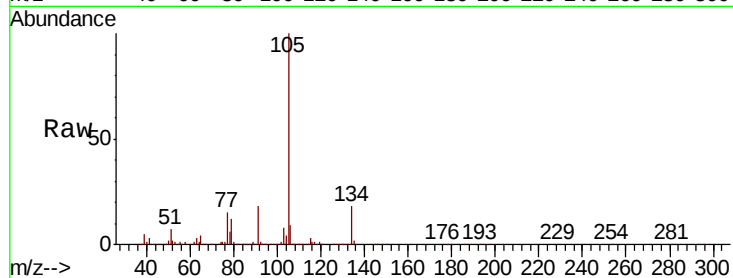
ClientSampleId :

Tot Ion:105 Resp: 7362843

Ion Ratio Lower Upper

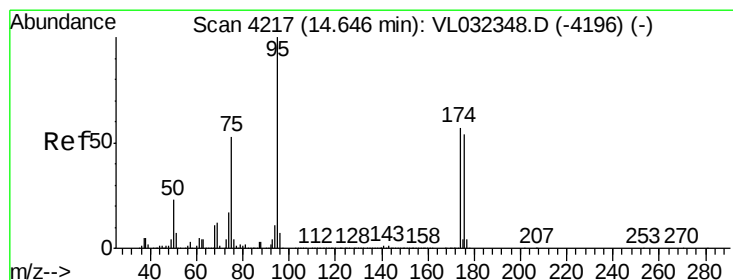
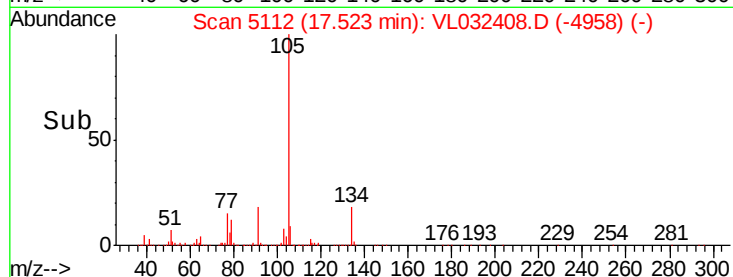
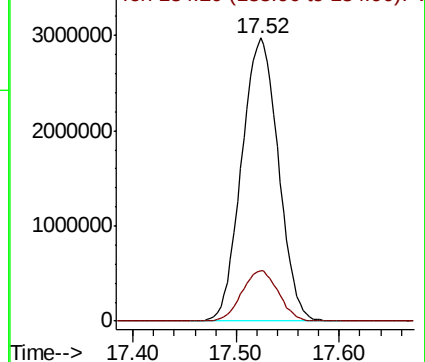
105 100

134 17.7 14.4 21.6



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: 7.955 ppbv

RT: 14.64 min Scan# 4216

Delta R.T. -0.00 min

Lab File: VL032408.D

Acq: 20 Aug 2018 17:20

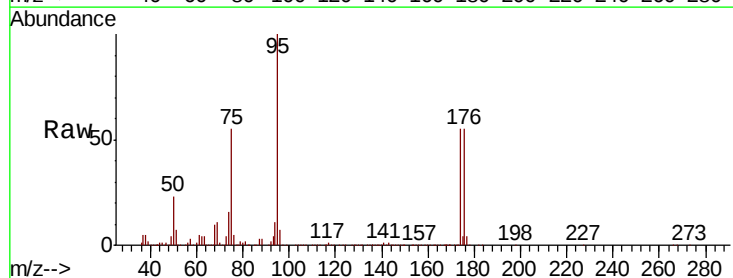
Tgt Ion: 95 Resp: 2785147

Ion Ratio Lower Upper

95 100

174 56.4 46.2 69.4

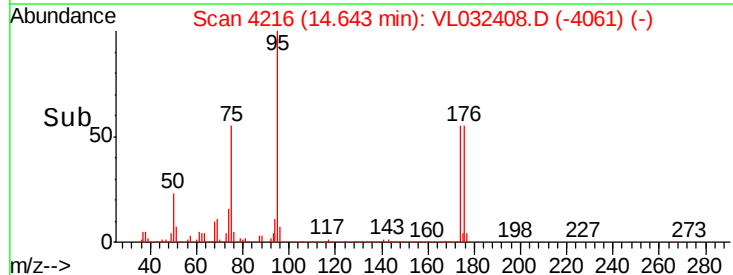
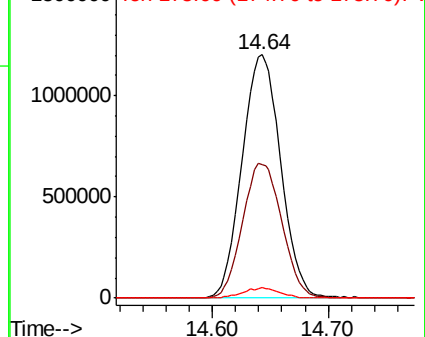
175 4.1 3.4 5.0

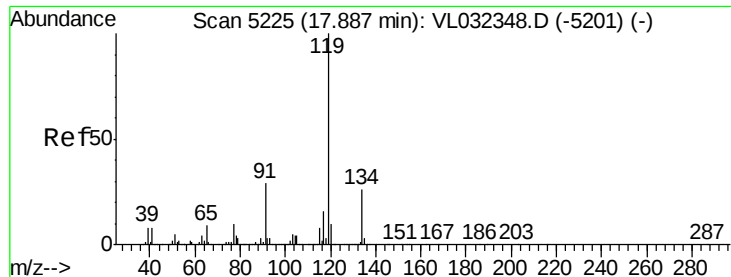


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

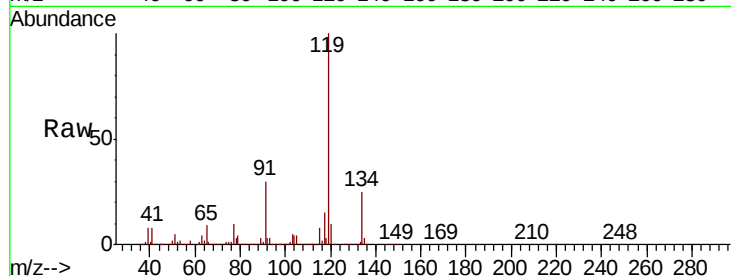




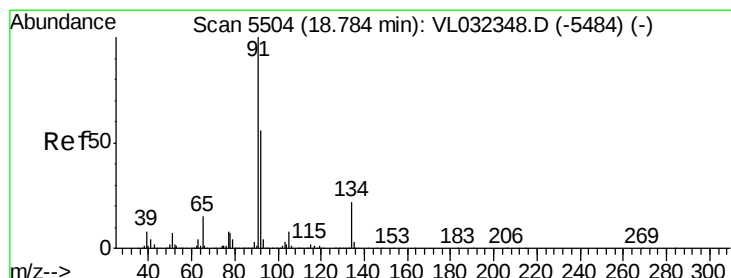
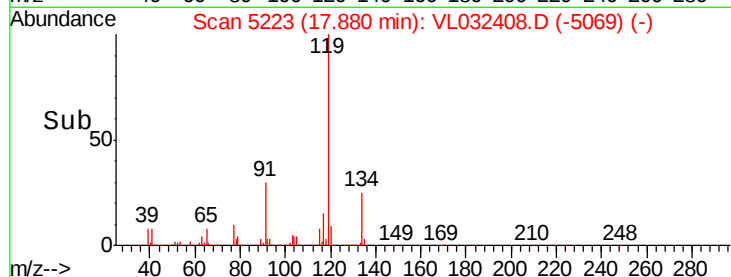
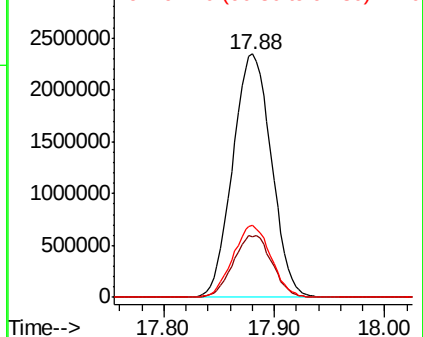
#69
 p-Isopropyltoluene
 Concen: 8.924 ppbv
 RT: 17.88 min Scan# 5223
 Delta R.T. -0.01 min
 Lab File: VL032408.D
 Acq: 20 Aug 2018 17:20

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:119 Resp: 5692664
 Ion Ratio Lower Upper
 119 100
 134 25.4 20.4 30.6
 91 29.0 23.6 35.4

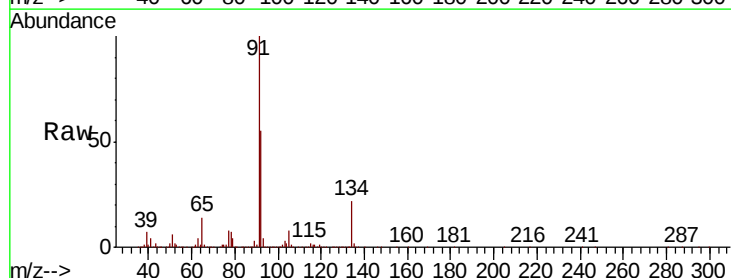


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

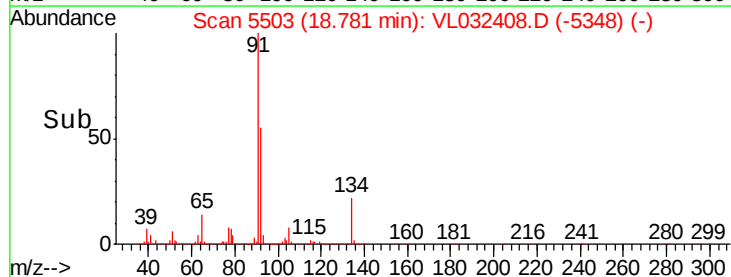
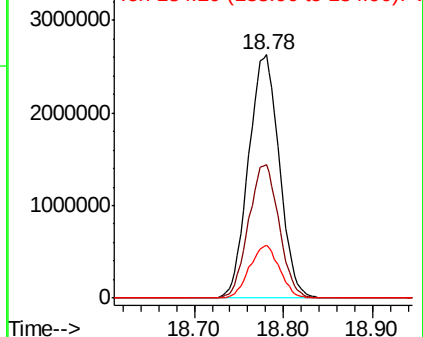


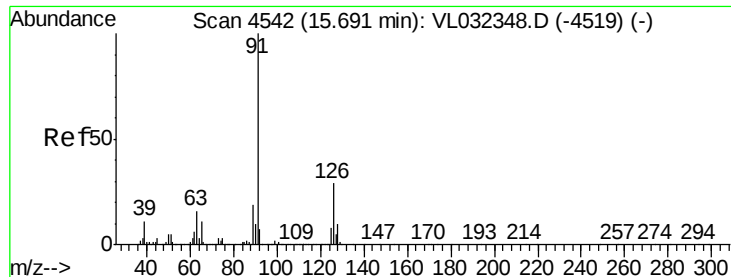
#70
 n-Butylbenzene
 Concen: 9.048 ppbv
 RT: 18.78 min Scan# 5503
 Delta R.T. -0.00 min
 Lab File: VL032408.D
 Acq: 20 Aug 2018 17:20

Tgt Ion: 91 Resp: 6328548
 Ion Ratio Lower Upper
 91 100
 92 54.3 43.9 65.9
 134 21.3 17.3 25.9



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: 8.979 ppbv

RT: 15.68 min Scan# 4539

Delta R.T. -0.01 min

Lab File: VL032408.D

Acq: 20 Aug 2018 17:20

Instrument :

MSVOA_L

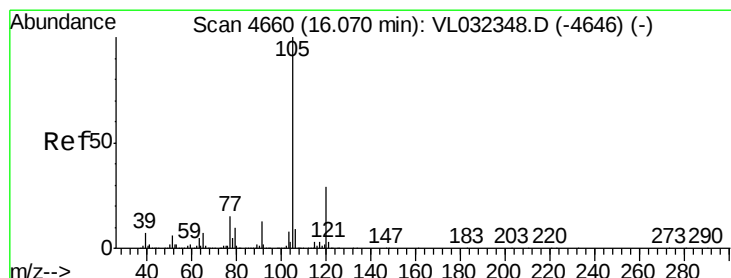
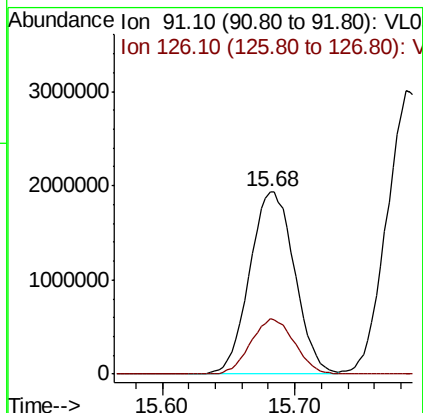
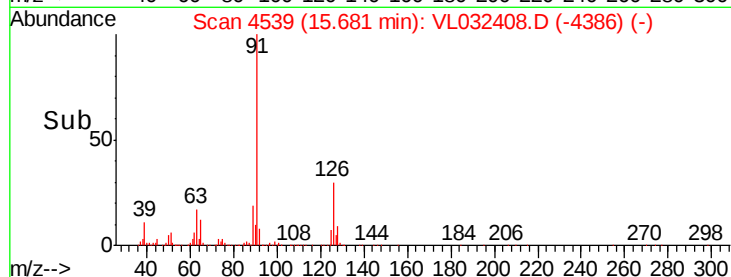
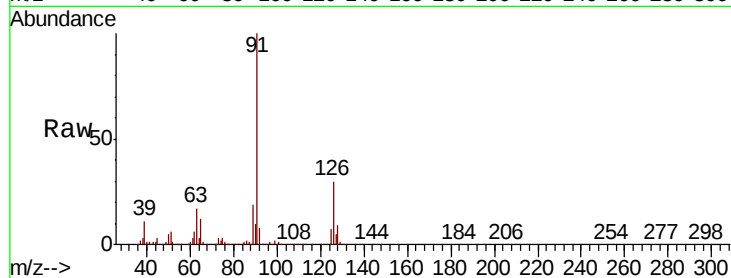
ClientSampleId :

Tot Ion: 91 Resp: 4559962

Ion Ratio Lower Upper

91 100

126 29.6 11.8 47.2



#72

4-Ethyltoluene

Concen: 9.270 ppbv

RT: 16.06 min Scan# 4658

Delta R.T. -0.01 min

Lab File: VL032408.D

Acq: 20 Aug 2018 17:20

Tgt Ion:105 Resp: 4766285

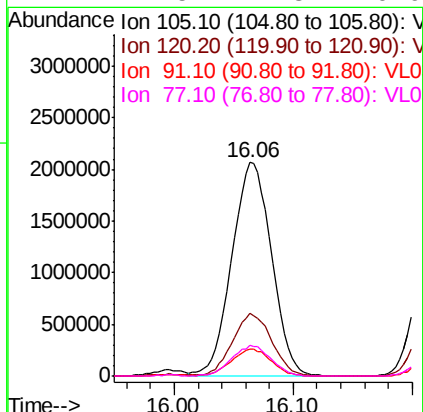
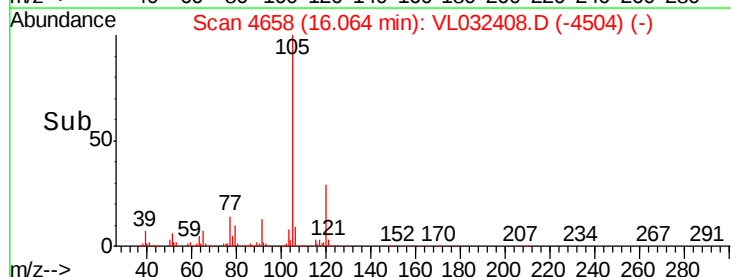
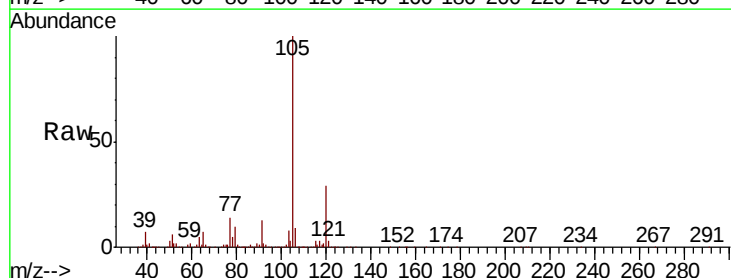
Ion Ratio Lower Upper

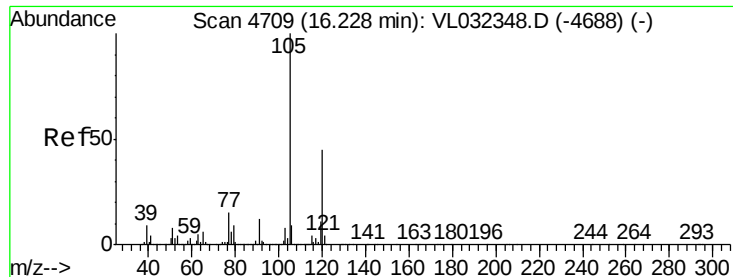
105 100

120 28.9 23.4 35.0

91 12.5 10.0 15.0

77 14.5 11.3 16.9





#73

1,3,5-Trimethylbenzene

Concen: 9.104 ppbv

RT: 16.22 min Scan# 4707

Delta R.T. -0.01 min

Lab File: VL032408.D

Acq: 20 Aug 2018 17:20

Instrument :

MSVOA_L

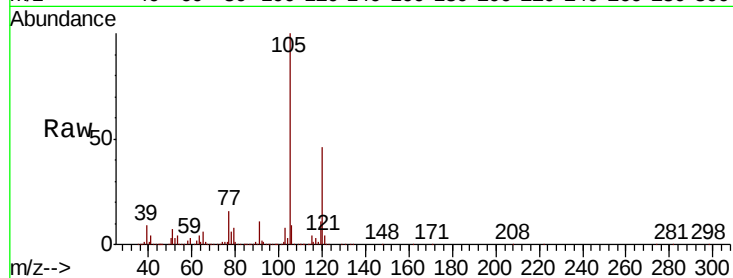
ClientSampled :

Tot Ion:105 Resp: 4502505

Ion Ratio Lower Upper

105 100

120 45.6 36.3 54.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.22

2000000

1500000

1000000

500000

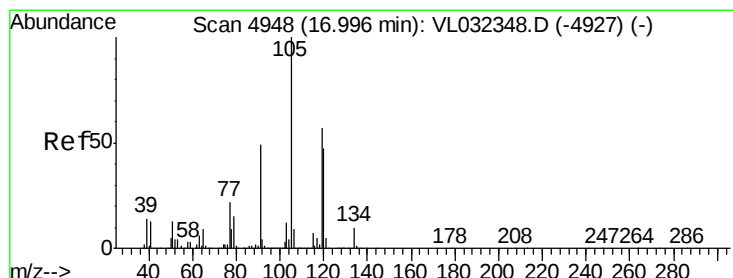
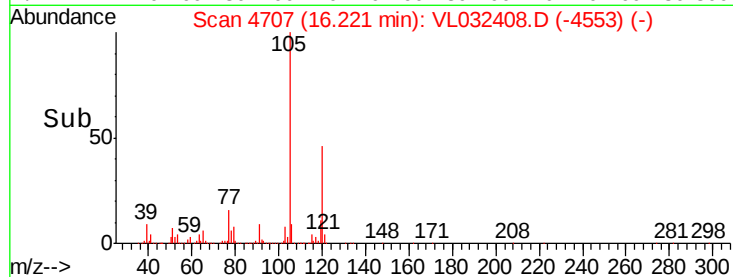
0

Time-->

16.10

16.20

16.30



#74

1,2,4-Trimethylbenzene

Concen: 8.662 ppbv

RT: 16.99 min Scan# 4947

Delta R.T. -0.00 min

Lab File: VL032408.D

Acq: 20 Aug 2018 17:20

Tgt Ion:105 Resp: 4558093

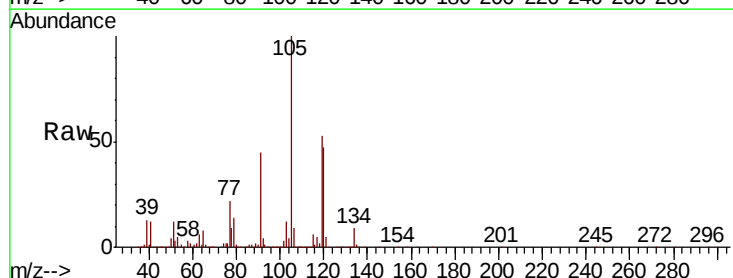
Ion Ratio Lower Upper

105 100

120 47.2 37.6 56.4

91 44.5 39.9 59.9

77 22.2 17.8 26.8



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

3000000

2500000

2000000

1500000

1000000

500000

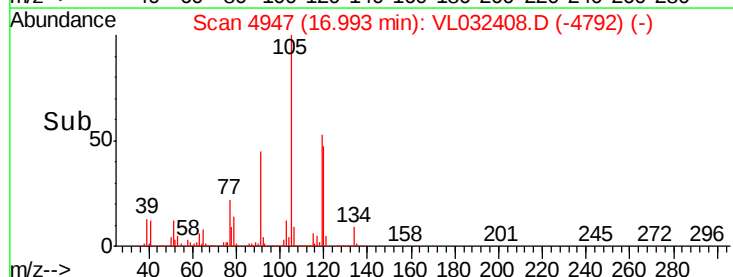
0

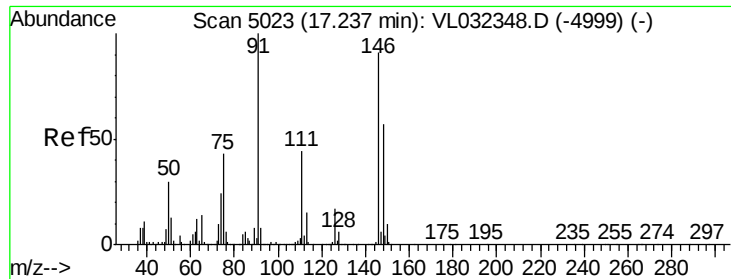
Time-->

16.90

17.00

17.10





#75

1,3-Dichlorobenzene

Concen: 8.176 ppbv

RT: 17.23 min Scan# 5021

Delta R.T. -0.01 min

Lab File: VL032408.D

Acq: 20 Aug 2018 17:20

Instrument :

MSVOA_L

ClientSampleId :

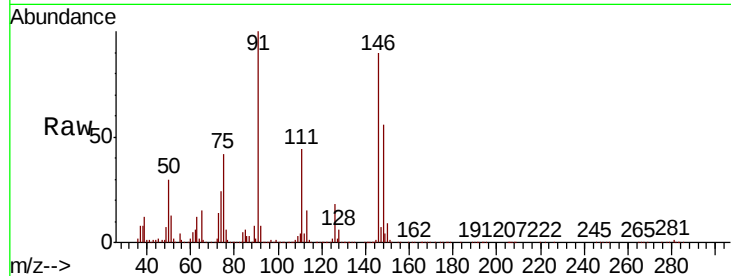
Tot Ion:146 Resp: 2585414

Ion Ratio Lower Upper

146 100

111 49.0 24.6 73.8

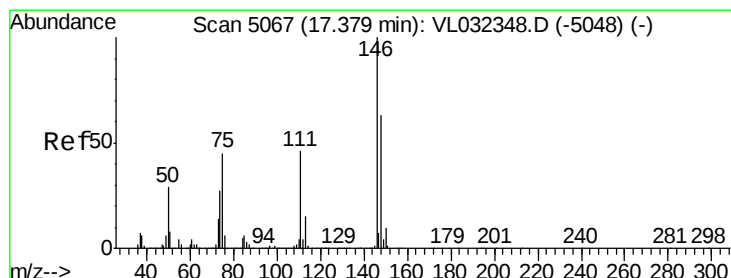
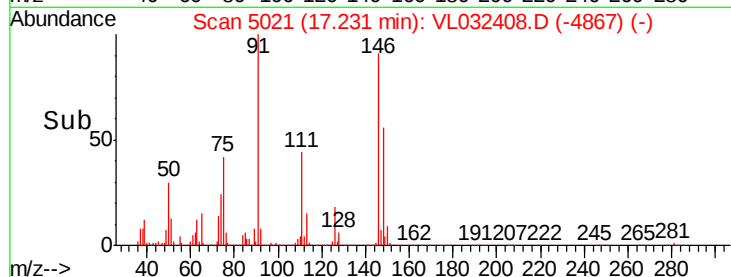
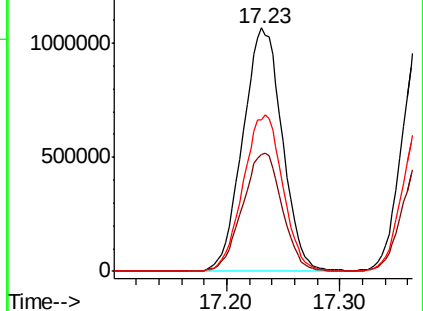
148 64.6 32.0 96.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 8.805 ppbv

RT: 17.38 min Scan# 5066

Delta R.T. -0.00 min

Lab File: VL032408.D

Acq: 20 Aug 2018 17:20

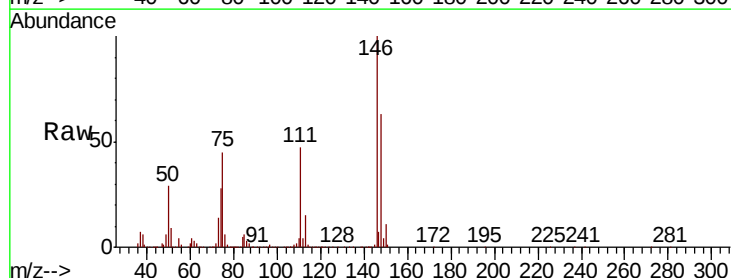
Tgt Ion:146 Resp: 2637409

Ion Ratio Lower Upper

146 100

111 46.9 23.8 71.4

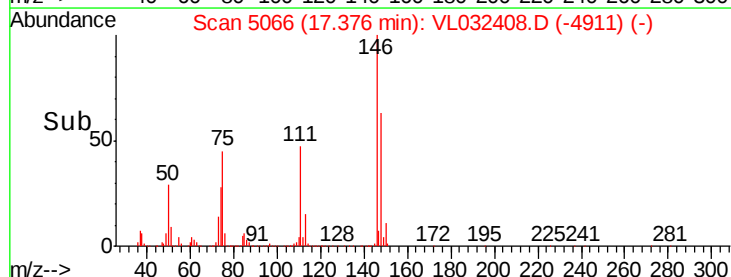
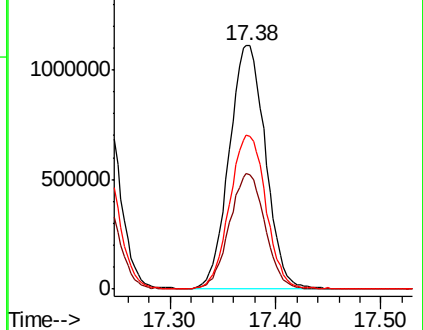
148 63.7 32.2 96.6

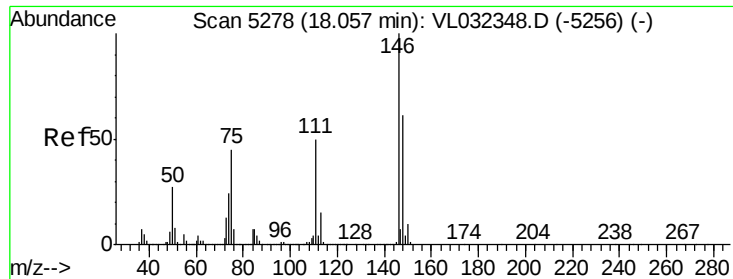


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

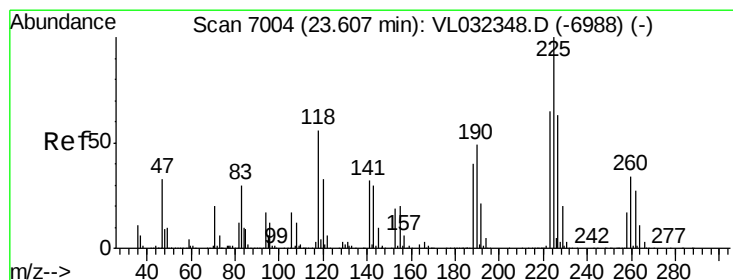
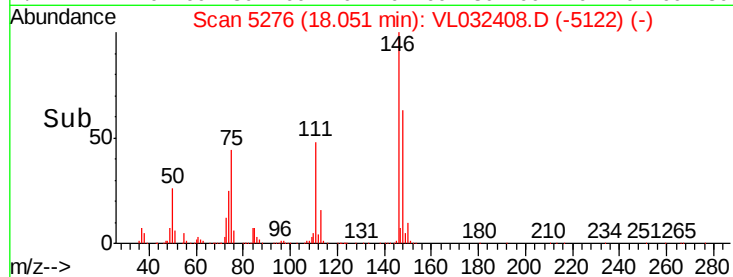
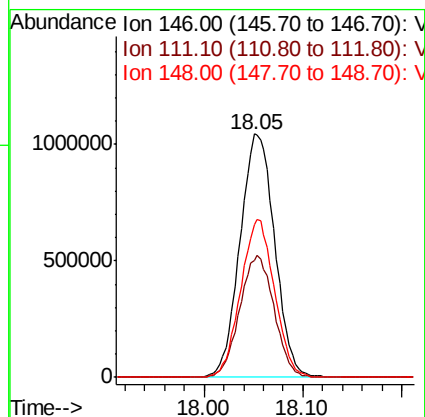
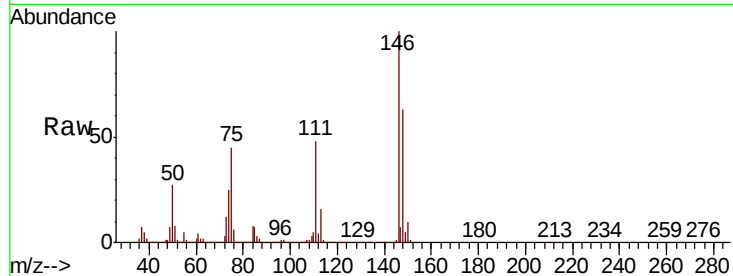




#77
 1,2-Dichlorobenzene
 Concen: 8.399 ppbv
 RT: 18.05 min Scan# 5276
 Delta R.T. -0.01 min
 Lab File: VL032408.D
 Acq: 20 Aug 2018 17:20

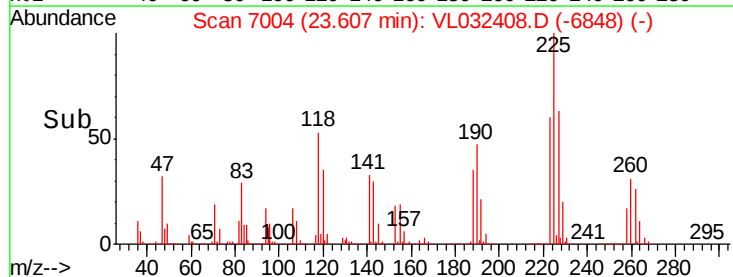
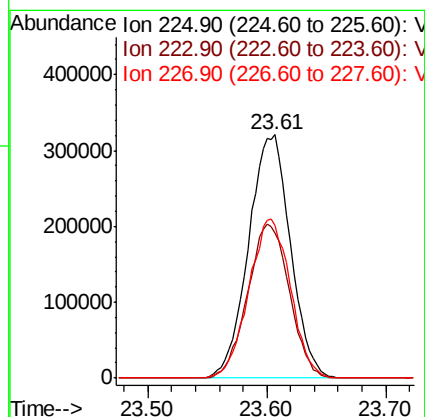
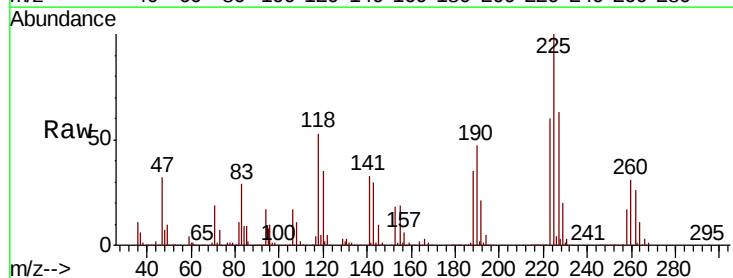
Instrument :
 MSVOA_L
 ClientSampled :

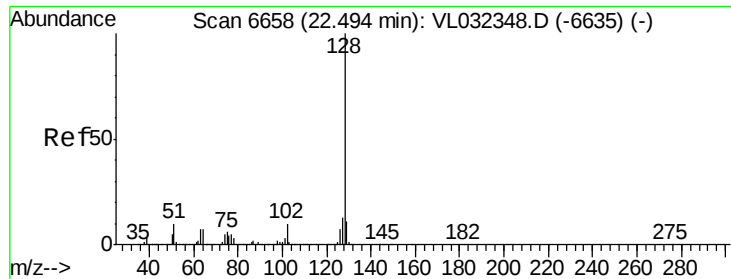
Tot Ion:146 Resp: 2537896
 Ion Ratio Lower Upper
 146 100
 111 49.8 25.2 75.6
 148 63.2 31.8 95.4



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.707 ppbv
 RT: 23.61 min Scan# 7004
 Delta R.T. 0.00 min
 Lab File: VL032408.D
 Acq: 20 Aug 2018 17:20

Tgt Ion:225 Resp: 781718
 Ion Ratio Lower Upper
 225 100
 223 63.2 50.6 76.0
 227 65.1 51.0 76.6





#79

Naphthalene

Concen: 8.674 ppbv

RT: 22.48 min Scan# 6655

Delta R.T. -0.01 min

Lab File: VL032408.D

Acq: 20 Aug 2018 17:20

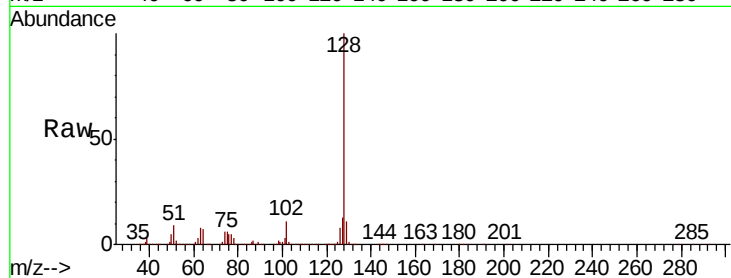
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:128 Resp: 4246961

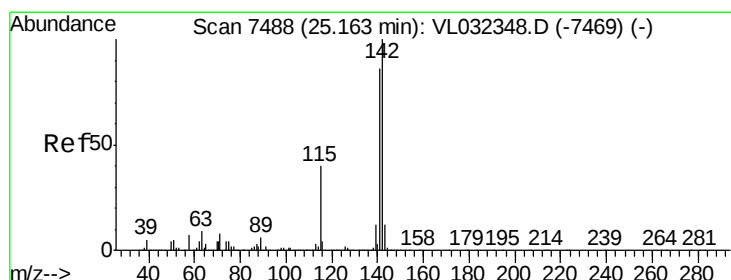
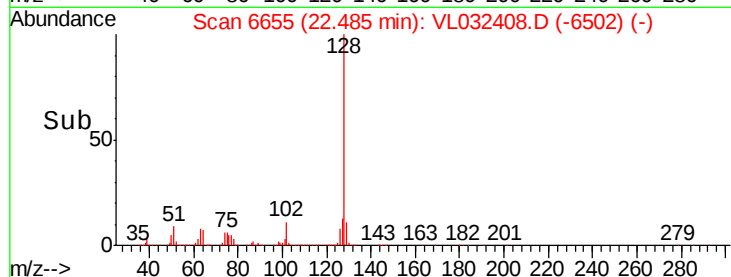
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	11.4	8.6	13.0



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: 15.765 ppbv

RT: 25.16 min Scan# 7488

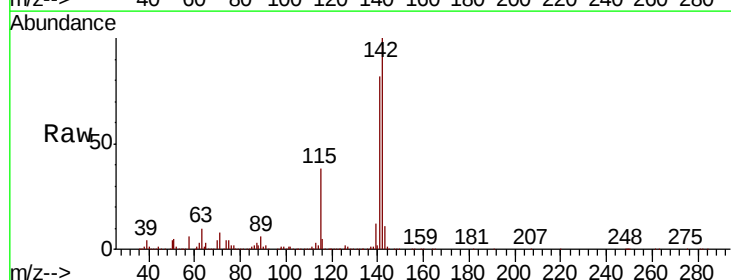
Delta R.T. 0.00 min

Lab File: VL032408.D

Acq: 20 Aug 2018 17:20

Tgt Ion:142 Resp: 1655149

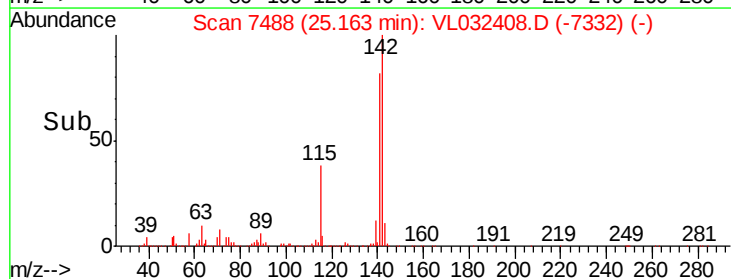
Ion	Ratio	Lower	Upper
142	100		
141	83.2	66.7	100.1
115	38.3	31.0	46.6

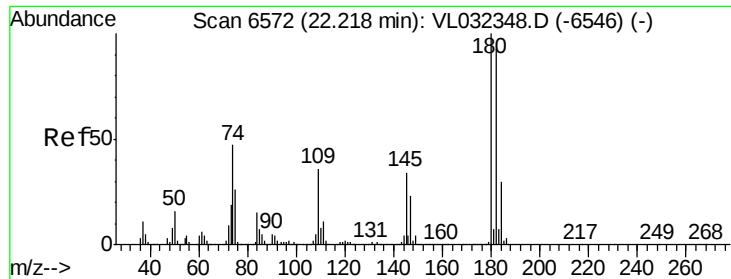


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 9.907 ppbv
 RT: 22.21 min Scan# 6570
 Delta R.T. -0.01 min
 Lab File: VL032408.D
 Acq: 20 Aug 2018 17:20

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 2016115
 Ion Ratio Lower Upper
 180 100
 182 94.5 76.1 114.1
 184 29.9 24.2 36.2

