

Data File : VL032380.D
Acq On : 16 Aug 2018 17:02
Operator : SY/AP
Sample : VL0816ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0816ABS01

Quant Time: Aug 17 03:17:17 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	1734887	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.35	114	3637694	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.31	117	4281409	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.65	95	2831850	8.67	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	86.70%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.11	85	1612246	11.645	ppbv	98
3) Chlorodifluoromethane	3.05	51	1450923	9.028	ppbv	96
4) Chloromethane	3.21	50	859281	8.984	ppbv	98
5) Vinyl Chloride	3.33	62	829344	9.096	ppbv	97
6) Bromomethane	3.56	94	470886	9.633	ppbv	99
7) Chloroethane	3.64	64	299365	9.363	ppbv	97
8) Dichlorotetrafluoroethane	3.26	85	1800363	9.184	ppbv	98
9) Propene	3.07	41	635854	9.245	ppbv	99
10) Heptane	8.31	43	2347832	11.333	ppbv	99
11) Trichlorofluoromethane	4.05	101	1863710	9.605	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.60	101	1199436	9.180	ppbv	99
13) Ethanol	3.69	45	181406	10.269	ppbv	99
14) Bromoethene	3.83	108	548563	9.707	ppbv	99
15) Acetone	3.95	43	1415362	8.587	ppbv	98
16) 1,3-Butadiene	3.40	39	690783	10.151	ppbv	89
17) tert-Butyl alcohol	4.40	59	285209	10.312	ppbv	100
18) 1,1-Dichloroethene	4.40	96	575601	9.455	ppbv	96
19) Isopropyl Alcohol	4.07	45	1143341	10.301	ppbv	100
20) Methylene Chloride	4.46	84	501800	8.061	ppbv	96
21) Allyl Chloride	4.52	41	1040400	10.000	ppbv	95
22) trans-1,2-Dichloroethene	5.01	96	570361	9.290	ppbv	98
23) Vinyl Acetate	5.21	43	2560442	8.996	ppbv	99
24) 1,1-Dichloroethane	5.14	63	1809945	8.807	ppbv	100
25) Ethyl Acetate	5.82	43	3455706	9.783	ppbv	100
26) Hexane	5.84	57	1590428	10.099	ppbv	99
27) Carbon Disulfide	4.67	76	1501598	10.216	ppbv	99
28) Methyl tert-Butyl Ether	5.16	73	2081310	9.959	ppbv	99
29) Chloroform	5.91	83	2221869	9.627	ppbv	100
30) Cyclohexane	7.31	84	1309054	10.913	ppbv	99
31) cis-1,2-Dichloroethene	5.70	61	1643031	10.665	ppbv	98
32) 1,1,1-Trichloroethane	6.68	97	2316552	10.315	ppbv	99
34) 2-Butanone	5.38	43	2352591	9.502	ppbv	98
35) Carbon Tetrachloride	7.20	117	2321507	10.823	ppbv	98
36) Benzene	7.07	78	2916314	9.456	ppbv	100
37) 1,2-Dichloroethane	6.47	62	1921896	10.271	ppbv	98
38) Trichloroethene	8.03	130	1067060	9.865	ppbv	97
39) 1,2-Dichloropropane	7.80	63	1232955	9.571	ppbv	98
40) 1,4-Dioxane	8.02	88	428790	10.957	ppbv	95
41) Tetrahydrofuran	6.20	42	1398039	10.519	ppbv	99
42) Bromodichloromethane	7.98	83	2565628	10.472	ppbv	99
43) Methyl Methacrylate	8.20	69	1352156	11.003	ppbv	99

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ClientSampleId :
VL0816ABS01

Quant Time: Aug 17 03:17:17 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)
44) 2,2,4-Trimethylpentane	8.06	57	5560547	9.999	ppbv	99
45) t-1,3-Dichloropropene	9.48	75	1841681	11.849	ppbv	98
46) cis-1,3-Dichloropropene	8.90	75	2156875	11.571	ppbv	97
47) 1,1,2-Trichloroethane	9.68	97	1233357	8.699	ppbv	99
48) Dibromochloromethane	10.52	129	1908675	10.069	ppbv	100
49) Bromoform	13.27	173	1611317	10.234	ppbv	99
50) 4-Methyl-2-Pentanone	8.94	43	3695257	10.335	ppbv	100
51) 2-Hexanone	10.34	43	2762980	11.004	ppbv	99
52) Tetrachloroethene	11.44	164	894545	9.835	ppbv	97
53) Toluene	10.02	91	3450411	10.206	ppbv	99
54) 1,2-Dibromoethane	10.83	107	1820285	9.995	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.35	131	1407883	7.949	ppbv #	57
57) Chlorobenzene	12.37	112	2485452	7.712	ppbv	97
58) Ethyl Benzene	12.94	91	4616944	8.963	ppbv	97
59) m/p-Xylene	13.22	91	3504224	8.008	ppbv #	25
60) o-Xylene	13.92	91	3637131	8.457	ppbv	98
61) Styrene	13.76	104	2808531	9.344	ppbv	99
62) Isopropylbenzene	14.89	105	5315775	8.683	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.91	83	2720709	7.523	ppbv	100
64) n-propylbenzene	15.79	120	1320028	8.331	ppbv	93
65) tert-Butylbenzene	16.98	119	4183422	7.999	ppbv	98
66) Benzyl Chloride	17.23	91	2801149	9.046	ppbv	98
67) sec-Butylbenzene	17.53	105	6373436	8.196	ppbv	99
69) p-Isopropyltoluene	17.88	119	5229041	8.786	ppbv	99
70) n-Butylbenzene	18.78	91	6002424	9.199	ppbv	99
71) 2-Chlorotoluene	15.69	91	4179959	8.822	ppbv	99
72) 4-Ethyltoluene	16.07	105	4269610	8.900	ppbv	98
73) 1,3,5-Trimethylbenzene	16.23	105	4011750	8.695	ppbv	99
74) 1,2,4-Trimethylbenzene	17.00	105	4000937	8.149	ppbv	99
75) 1,3-Dichlorobenzene	17.23	146	2220137	7.525	ppbv	99
76) 1,4-Dichlorobenzene	17.38	146	2255043	8.069	ppbv	99
77) 1,2-Dichlorobenzene	18.06	146	2329700	8.264	ppbv	99
78) Hexachloro-1,3-Butadiene	23.61	225	744578	7.869	ppbv	99
79) Naphthalene	22.49	128	3993606	8.740	ppbv	98
80) Naphthalene,2-methyl-	25.17	142	1608029	16.417	ppbv	98
81) 1,2,4-Trichlorobenzene	22.22	180	1869161	9.845	ppbv	100

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

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Misc         : 400ml/MSVOA_L
ALS Vial     : 1      Sample Multipl
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Instrument :
MSVOA_L
ClientSampleId :
VL0816ABS01

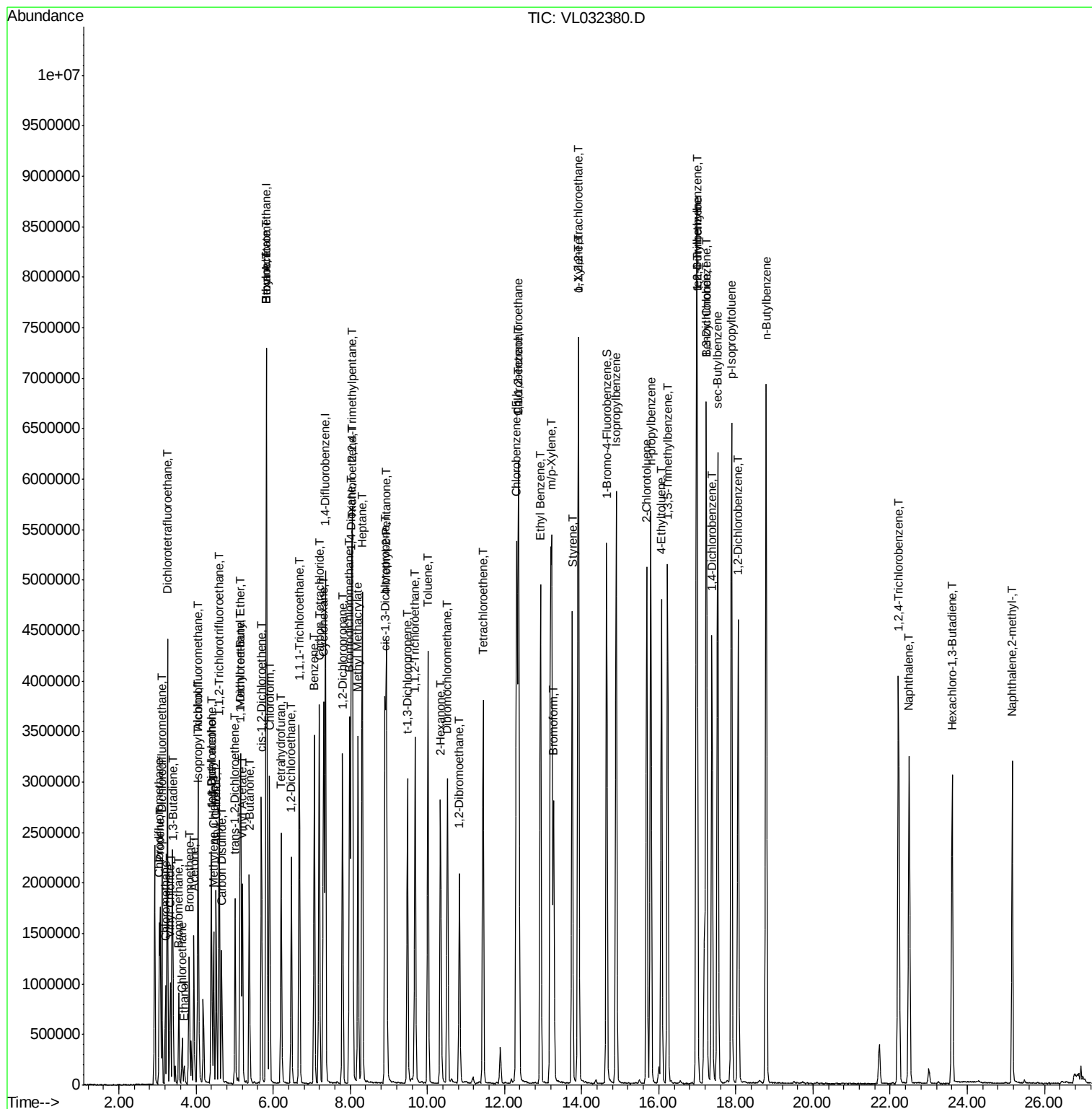
Quant Time: Aug 17 03:17:17 2018

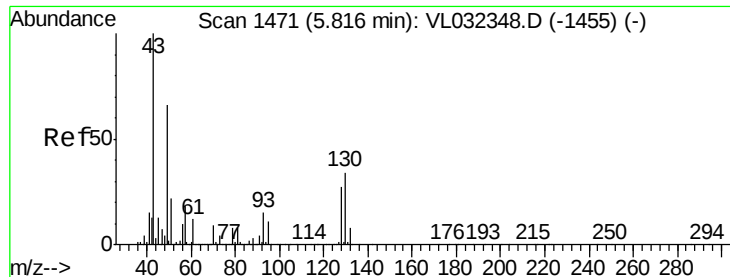
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_L\METHODS\VL081518AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018

QLast Update : Wed Aug 15 14:58:02 2018

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.82 min Scan# 1471

Delta R.T. 0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

Instrument :

MSVOA_L

ClientSampleId :

VL0816ABS01

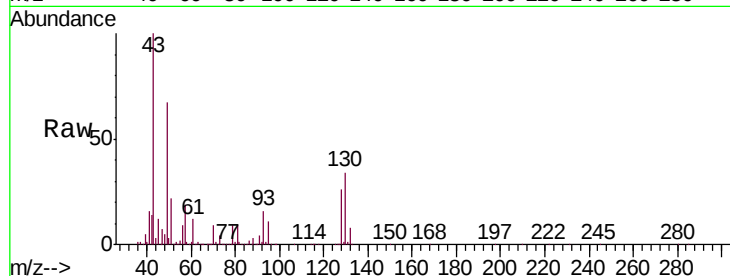
Tgt Ion: 49 Resp: 1734887

Ion Ratio Lower Upper

49 100

128 40.8 20.5 61.6

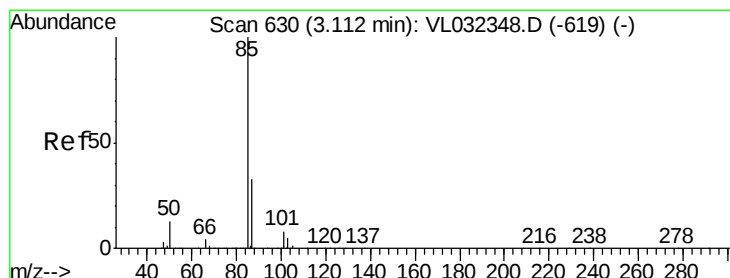
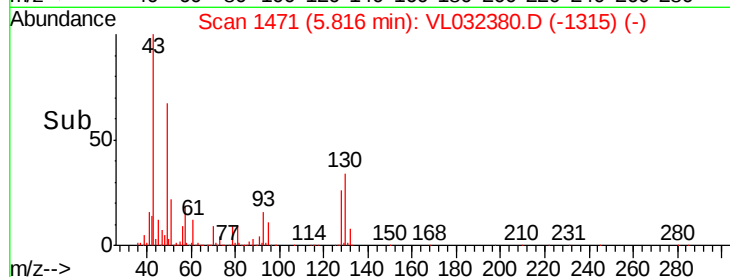
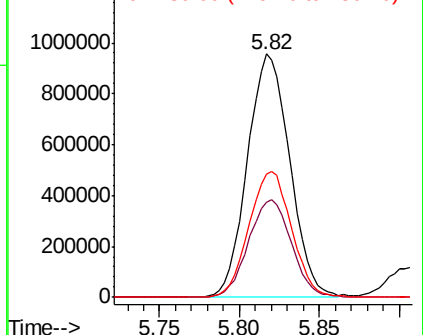
130 52.2 26.2 78.5



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: 11.645 ppbv

RT: 3.11 min Scan# 630

Delta R.T. 0.00 min

Lab File: VL032380.D

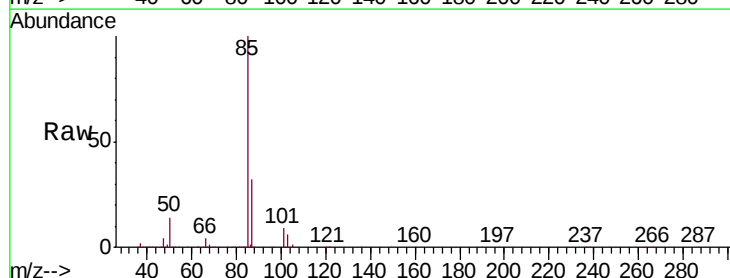
Acq: 16 Aug 2018 17:02

Tgt Ion: 85 Resp: 1612246

Ion Ratio Lower Upper

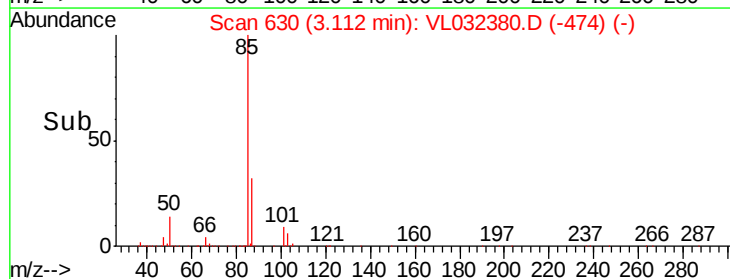
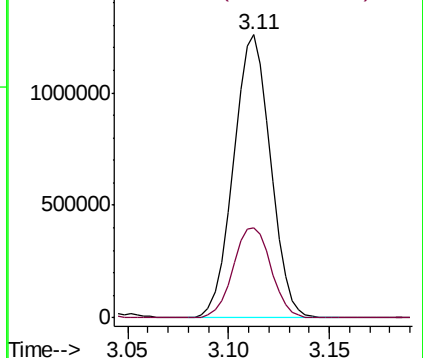
85 100

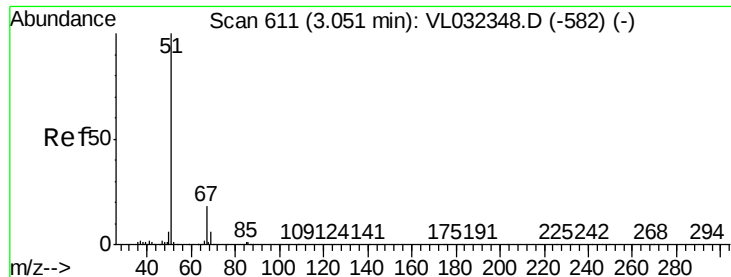
87 31.6 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.028 ppbv

RT: 3.05 min Scan# 610

Delta R.T. -0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

Instrument :

MSVOA_L

ClientSampleId :

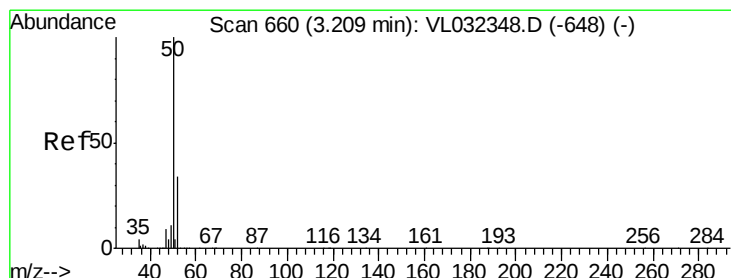
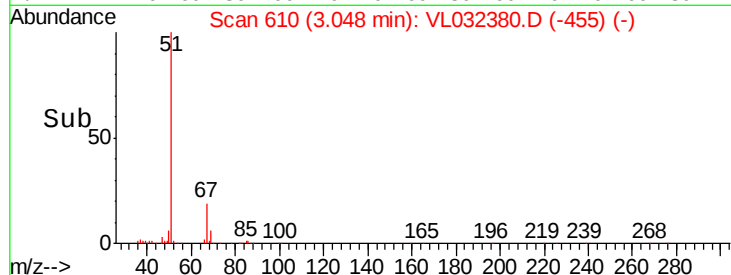
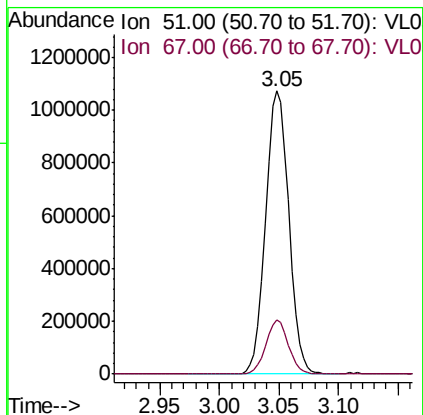
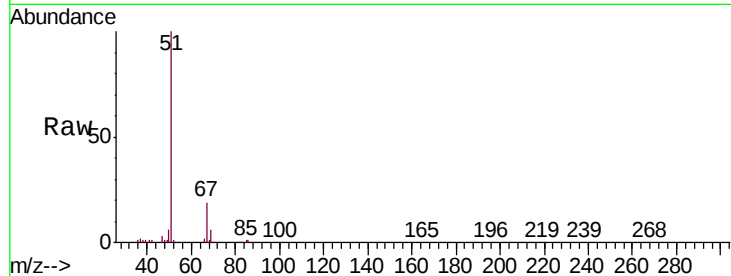
VL0816ABS01

Tgt Ion: 51 Resp: 1450923

Ion Ratio Lower Upper

51 100

67 18.7 13.7 20.5



#4

Chloromethane

Concen: 8.984 ppbv

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VL032380.D

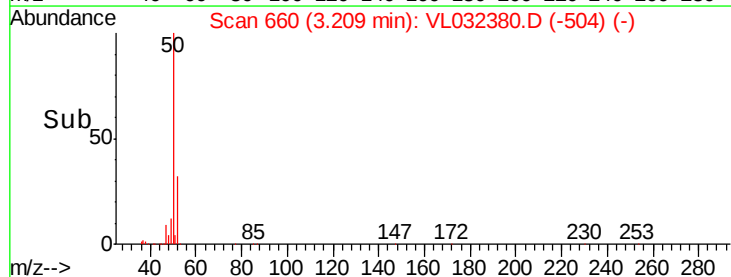
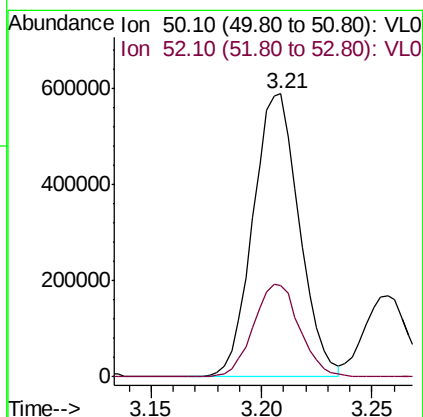
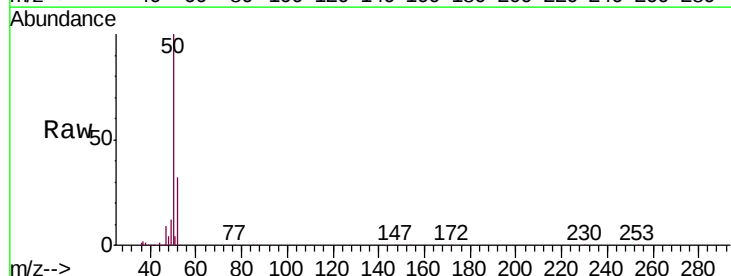
Acq: 16 Aug 2018 17:02

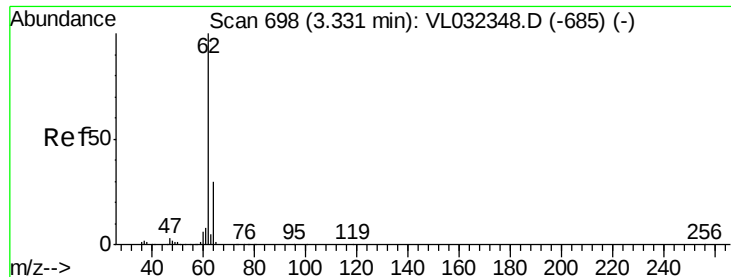
Tgt Ion: 50 Resp: 859281

Ion Ratio Lower Upper

50 100

52 32.2 26.8 40.2





#5

Vinyl Chloride

Concen: 9.096 ppbv

RT: 3.33 min Scan# 697

Delta R.T. -0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

Instrument :

MSVOA_L

ClientSampleId :

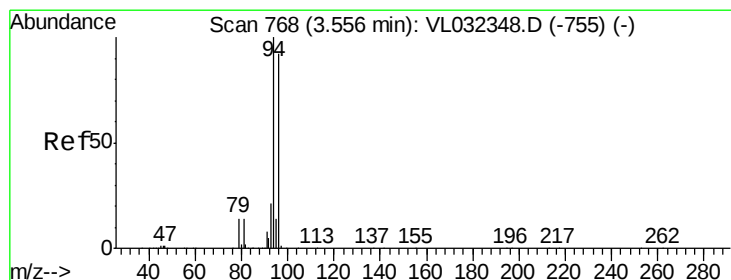
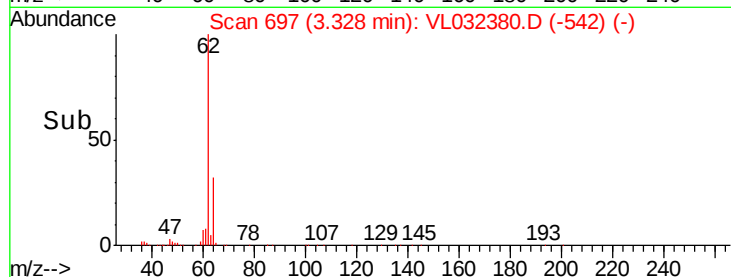
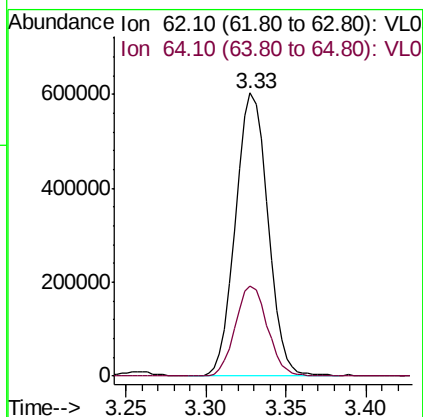
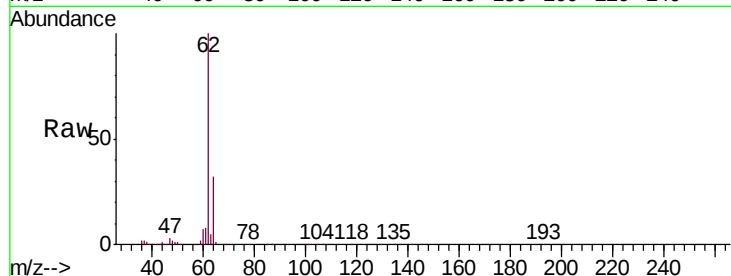
VL0816ABS01

Tgt Ion: 62 Resp: 829344

Ion Ratio Lower Upper

62 100

64 31.8 24.2 36.2



#6

Bromomethane

Concen: 9.633 ppbv

RT: 3.56 min Scan# 768

Delta R.T. 0.00 min

Lab File: VL032380.D

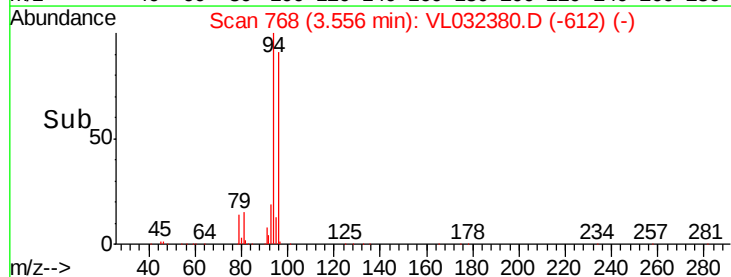
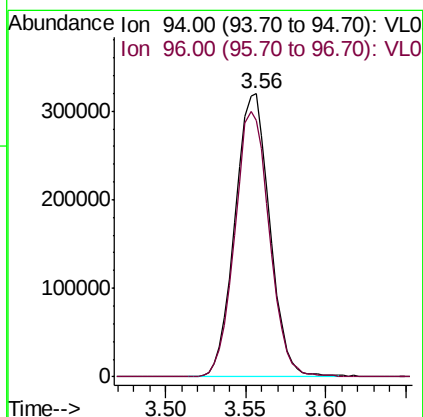
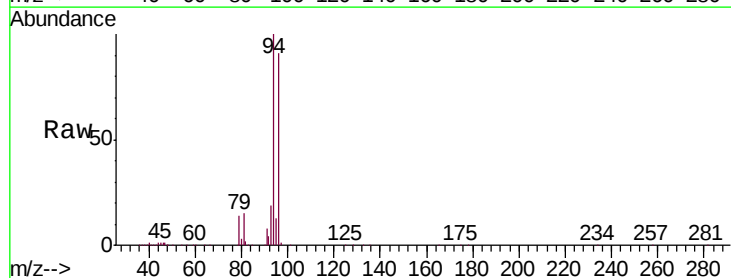
Acq: 16 Aug 2018 17:02

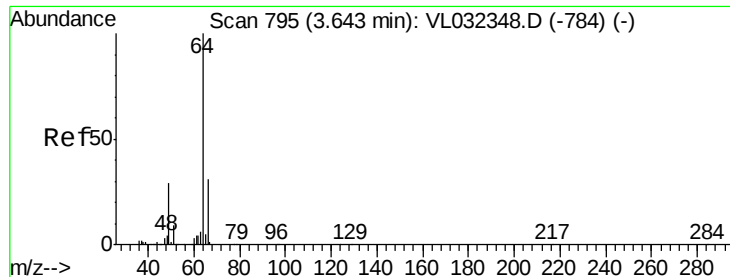
Tgt Ion: 94 Resp: 470886

Ion Ratio Lower Upper

94 100

96 90.8 73.7 110.5





#7

Chloroethane

Concen: 9.363 ppbv

RT: 3.64 min Scan# 794

Delta R.T. -0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

Instrument :

MSVOA_L

ClientSampleId :

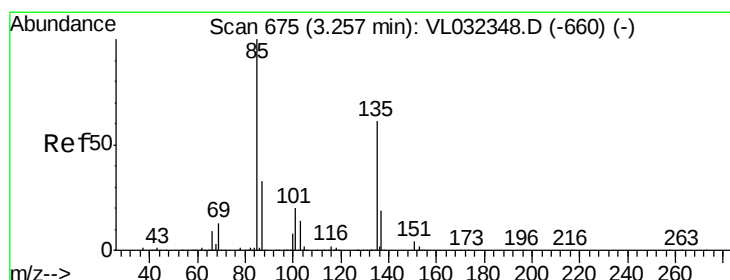
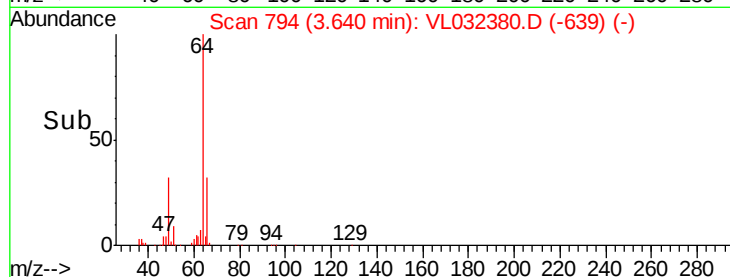
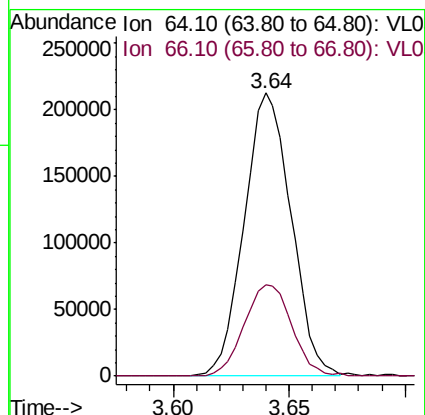
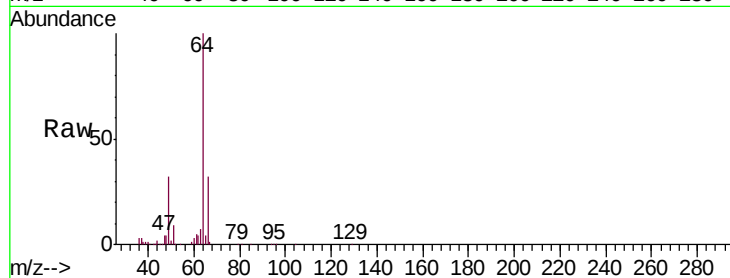
VL0816ABS01

Tgt Ion: 64 Resp: 299365

Ion Ratio Lower Upper

64 100

66 32.3 24.6 36.8



#8

Dichlorotetrafluoroethane

Concen: 9.184 ppbv

RT: 3.26 min Scan# 675

Delta R.T. 0.00 min

Lab File: VL032380.D

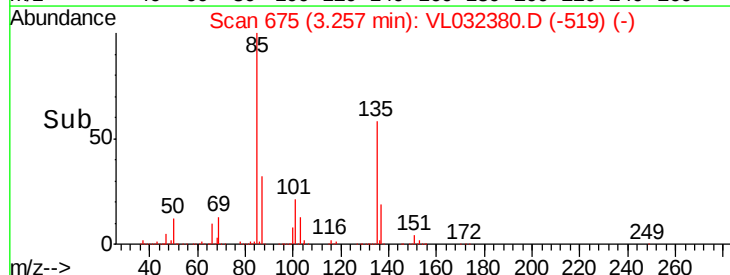
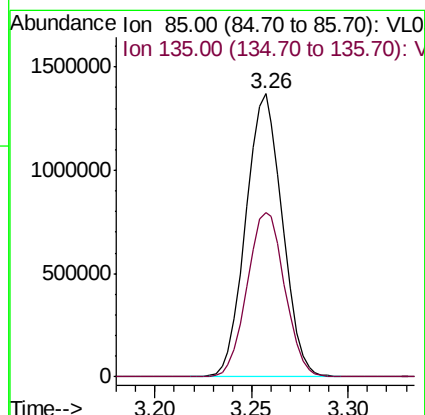
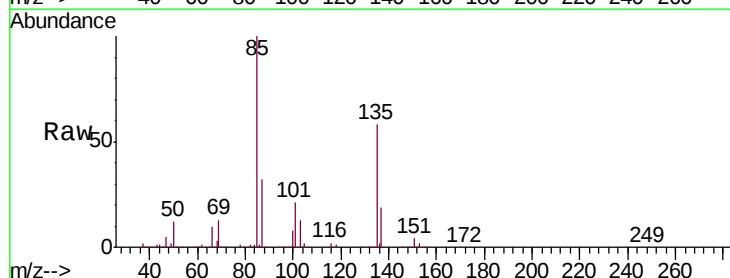
Acq: 16 Aug 2018 17:02

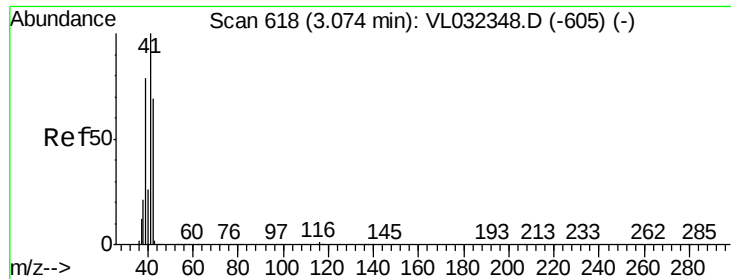
Tgt Ion: 85 Resp: 1800363

Ion Ratio Lower Upper

85 100

135 59.9 49.0 73.6





#9

Propene

Concen: 9.245 ppbv

RT: 3.07 min Scan# 617

Delta R.T. -0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

Instrument :

MSVOA_L

ClientSampleId :

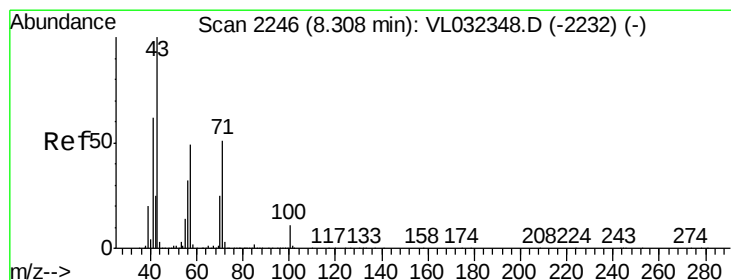
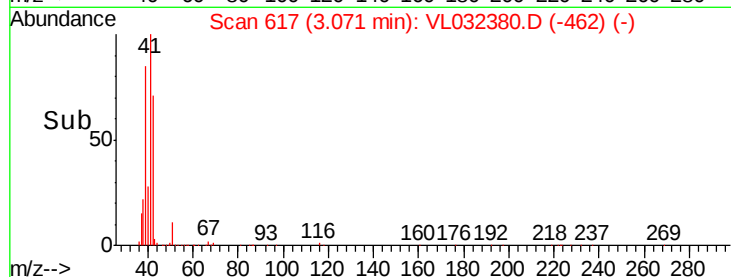
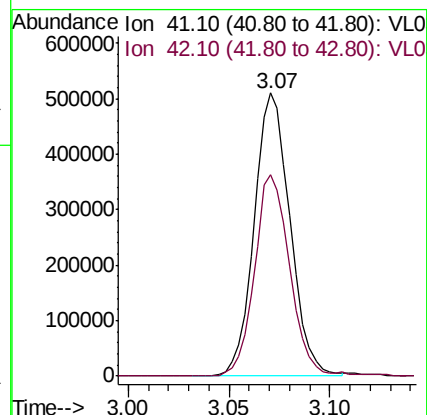
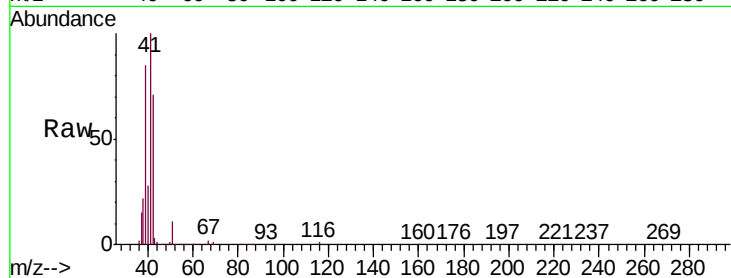
VL0816ABS01

Tgt Ion: 41 Resp: 635854

Ion Ratio Lower Upper

41 100

42 70.4 55.9 83.9



#10

Heptane

Concen: 11.333 ppbv

RT: 8.31 min Scan# 2246

Delta R.T. 0.00 min

Lab File: VL032380.D

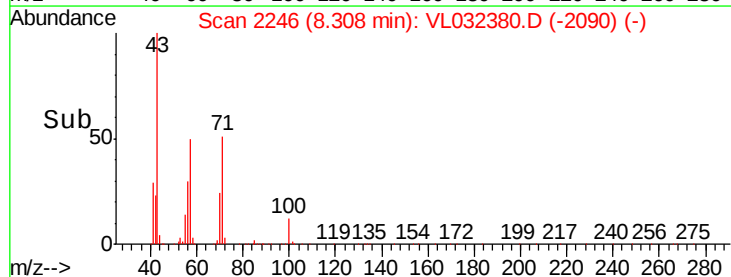
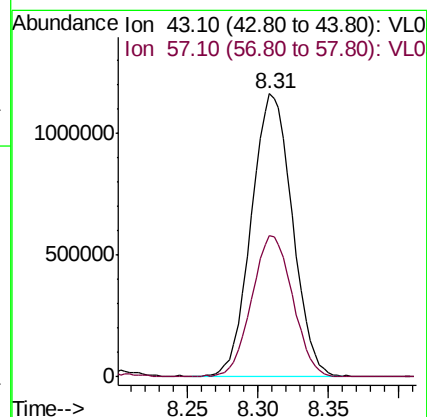
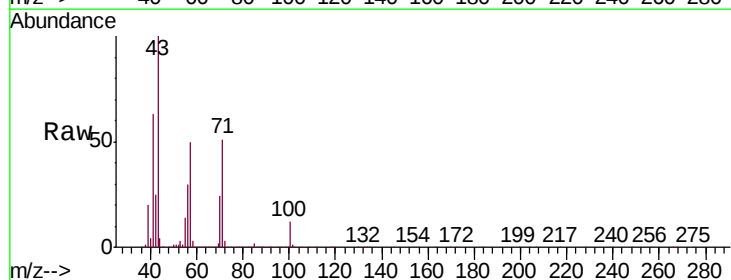
Acq: 16 Aug 2018 17:02

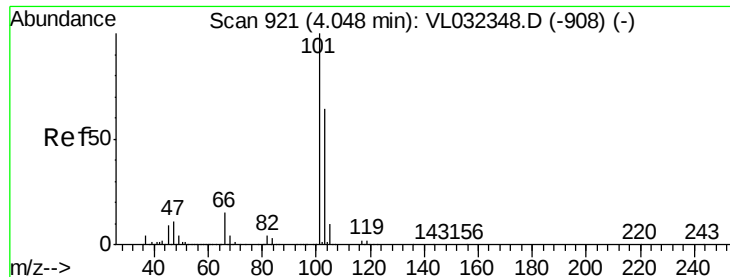
Tgt Ion: 43 Resp: 2347832

Ion Ratio Lower Upper

43 100

57 50.4 39.5 59.3

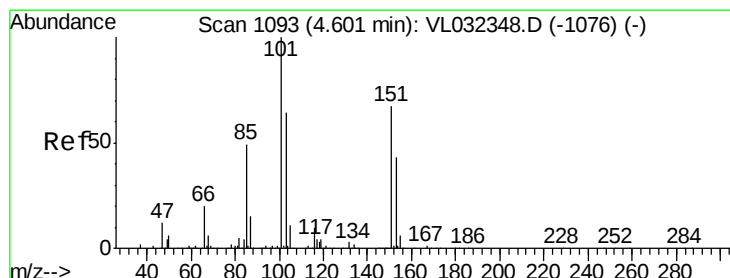
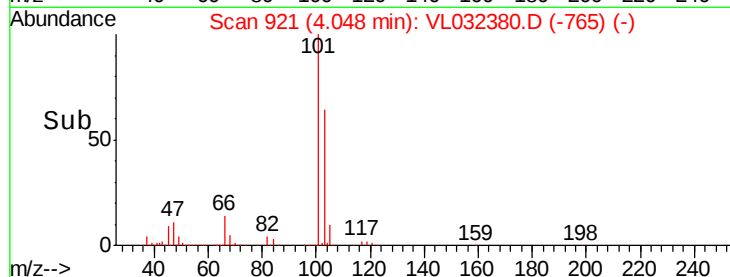
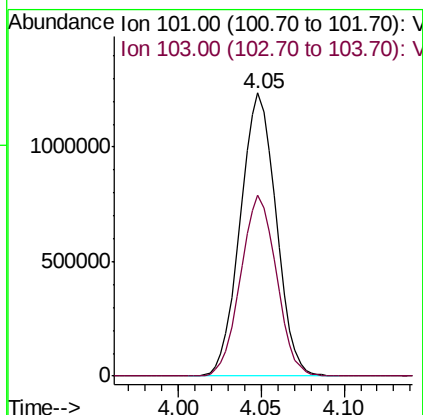
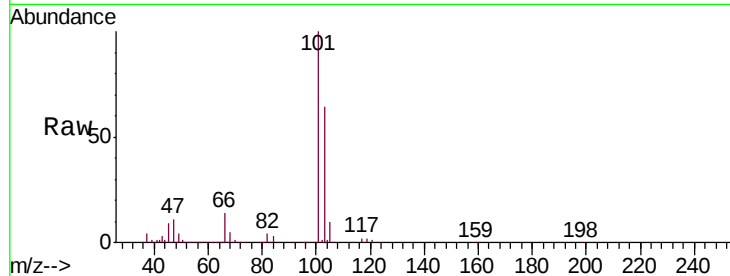




#11
 Trichlorofluoromethane
 Concen: 9.605 ppbv
 RT: 4.05 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VL032380.D
 Acq: 16 Aug 2018 17:02

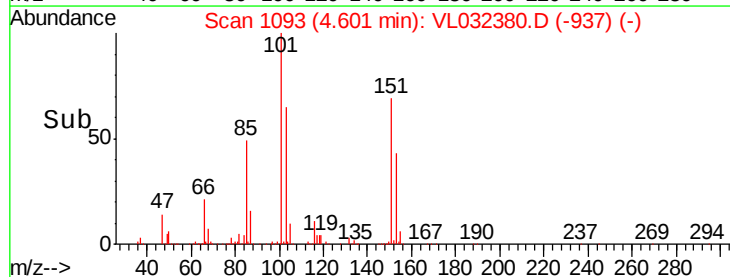
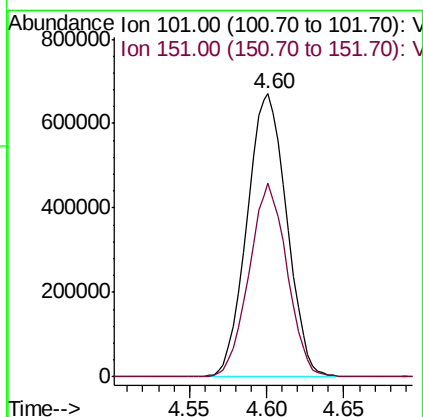
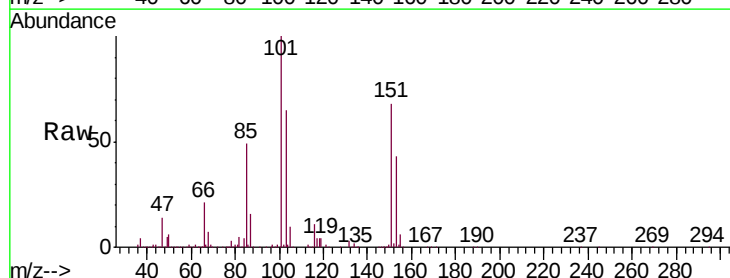
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0816ABS01

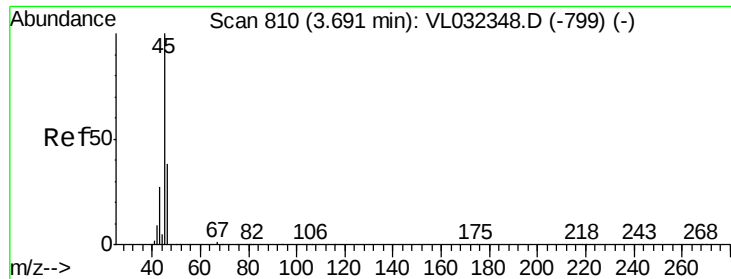
Tgt Ion:101 Resp: 1863710
 Ion Ratio Lower Upper
 101 100
 103 63.8 51.4 77.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.180 ppbv
 RT: 4.60 min Scan# 1093
 Delta R.T. 0.00 min
 Lab File: VL032380.D
 Acq: 16 Aug 2018 17:02

Tgt Ion:101 Resp: 1199436
 Ion Ratio Lower Upper
 101 100
 151 65.4 53.1 79.7





#13

Ethanol

Concen: 10.269 ppbv

RT: 3.69 min Scan# 809

Delta R.T. -0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

Instrument :

MSVOA_L

ClientSampleId :

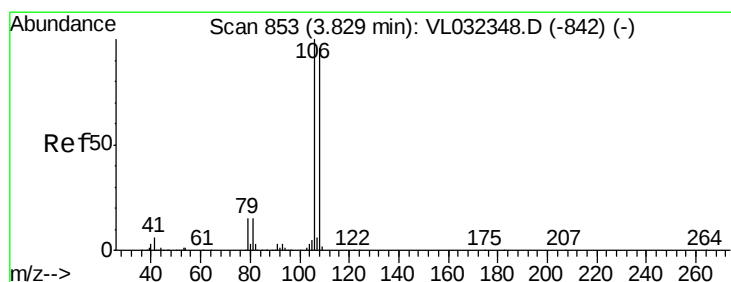
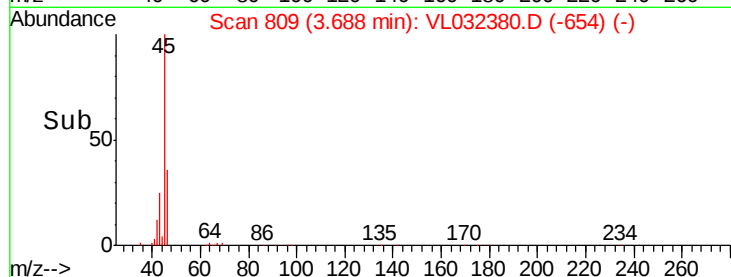
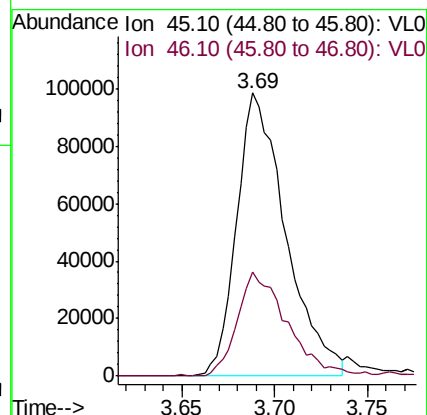
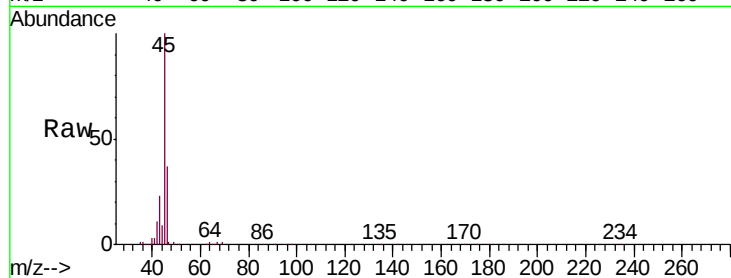
VL0816ABS01

Tgt Ion: 45 Resp: 181406

Ion Ratio Lower Upper

45 100

46 38.2 15.6 62.4



#14

Bromoethene

Concen: 9.707 ppbv

RT: 3.83 min Scan# 853

Delta R.T. 0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

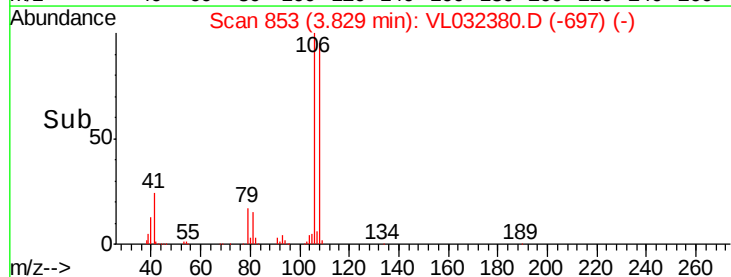
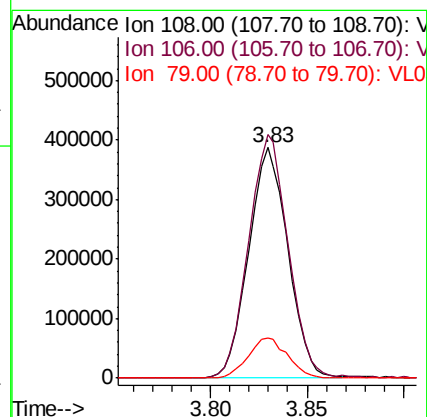
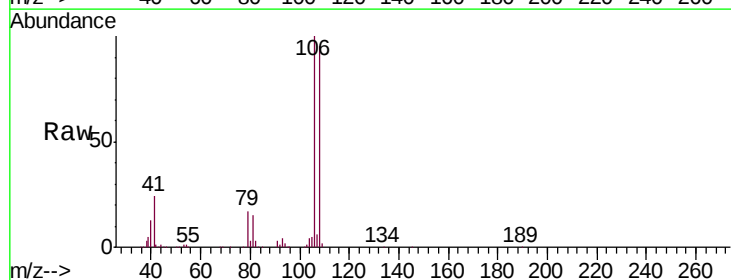
Tgt Ion: 108 Resp: 548563

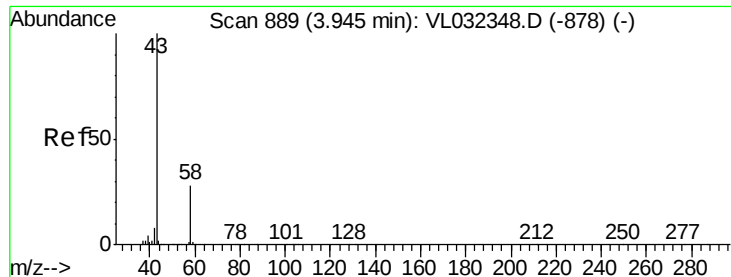
Ion Ratio Lower Upper

108 100

106 106.9 85.7 128.5

79 17.8 13.1 19.7





#15

Acetone

Concen: 8.587 ppbv

RT: 3.95 min Scan# 889

Delta R.T. 0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

Instrument :

MSVOA_L

ClientSampleId :

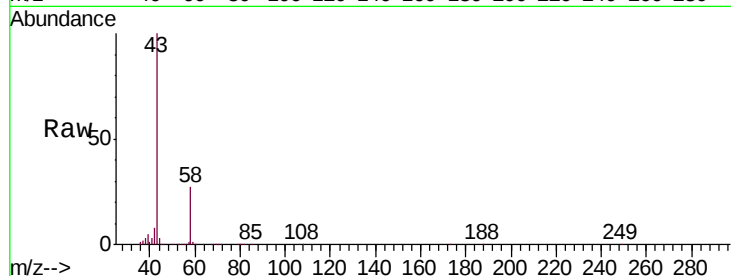
VL0816ABS01

Tgt Ion: 43 Resp: 1415362

Ion Ratio Lower Upper

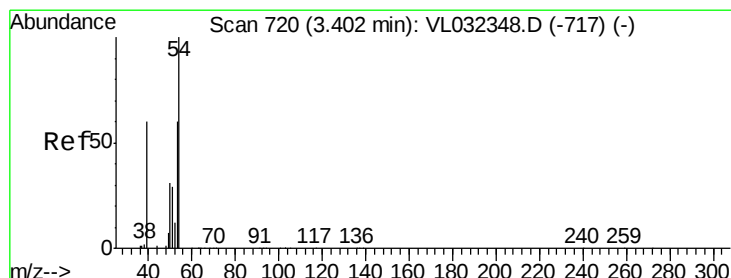
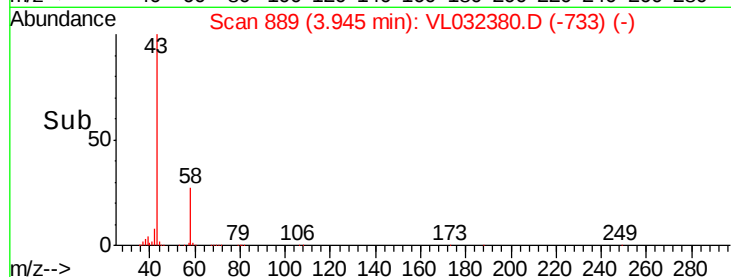
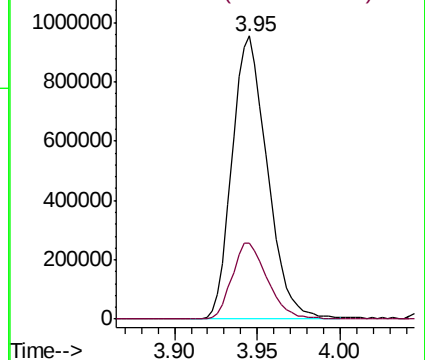
43 100

58 27.0 22.4 33.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 10.151 ppbv

RT: 3.40 min Scan# 720

Delta R.T. 0.00 min

Lab File: VL032380.D

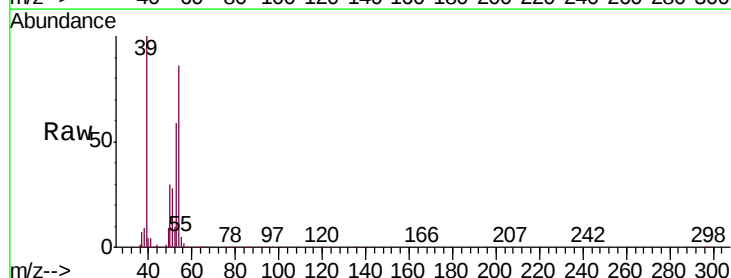
Acq: 16 Aug 2018 17:02

Tgt Ion: 39 Resp: 690783

Ion Ratio Lower Upper

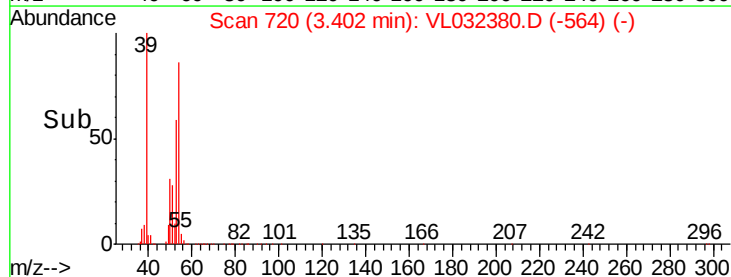
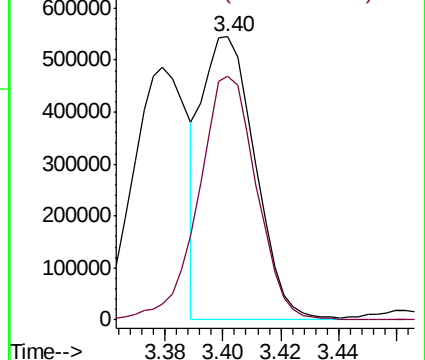
39 100

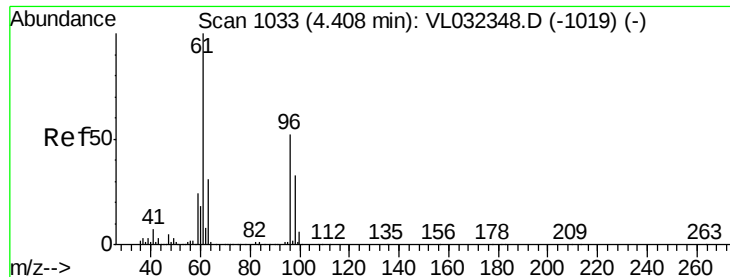
54 95.0 85.5 128.3



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

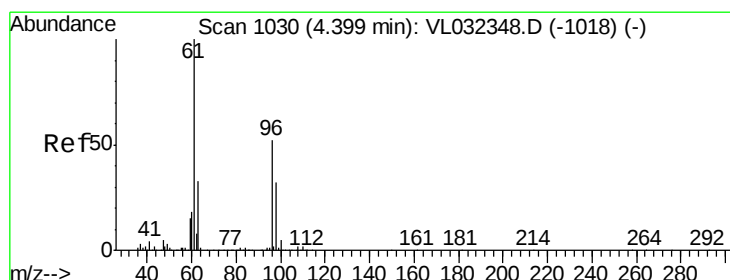
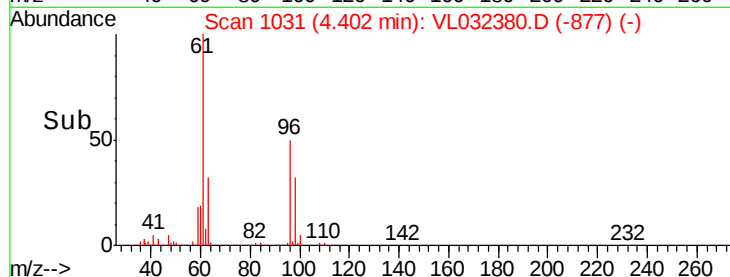
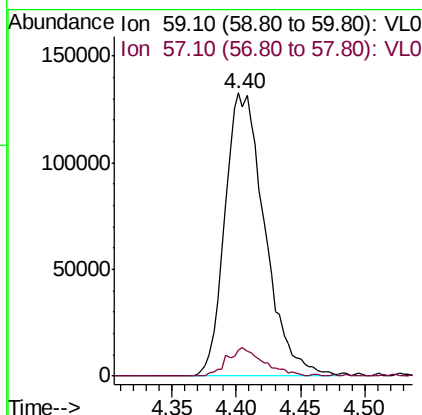
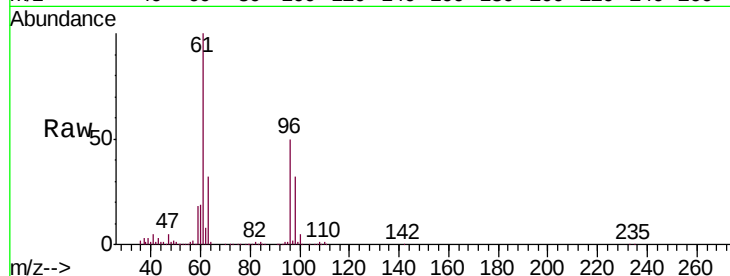




#17
 tert-Butyl alcohol
 Concen: 10.312 ppbv
 RT: 4.40 min Scan# 1031
 Delta R.T. -0.01 min
 Lab File: VL032380.D
 Acq: 16 Aug 2018 17:02

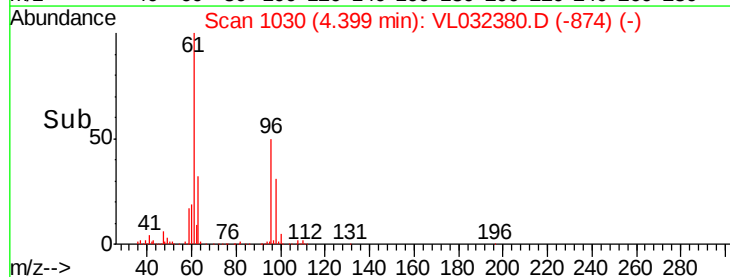
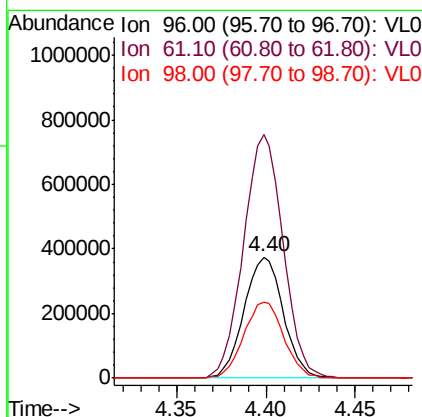
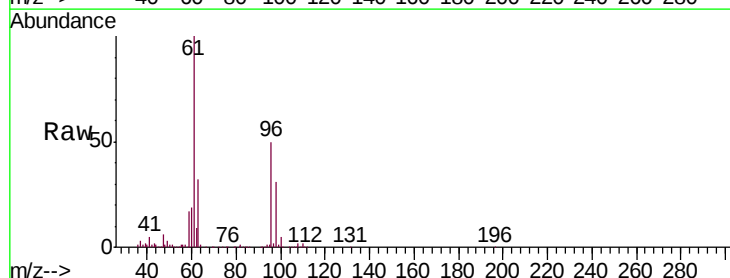
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0816ABS01

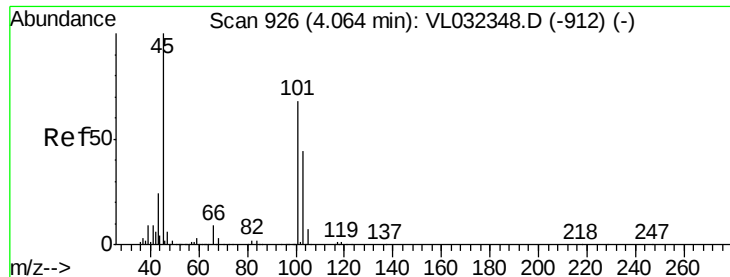
Tgt Ion: 59 Resp: 285209
 Ion Ratio Lower Upper
 59 100
 57 9.4 7.6 11.4



#18
 1,1-Dichloroethene
 Concen: 9.455 ppbv
 RT: 4.40 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VL032380.D
 Acq: 16 Aug 2018 17:02

Tgt Ion: 96 Resp: 575601
 Ion Ratio Lower Upper
 96 100
 61 200.6 154.6 231.8
 98 63.1 50.1 75.1



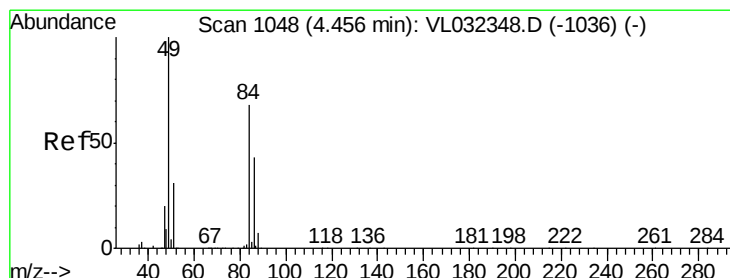
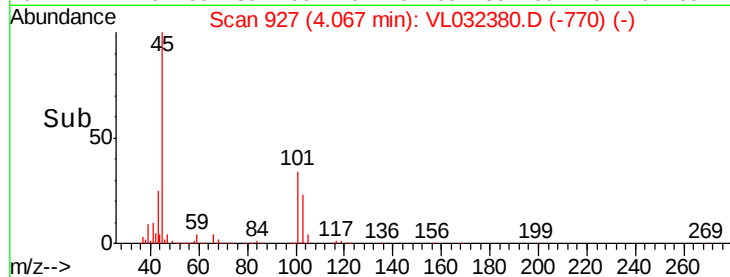
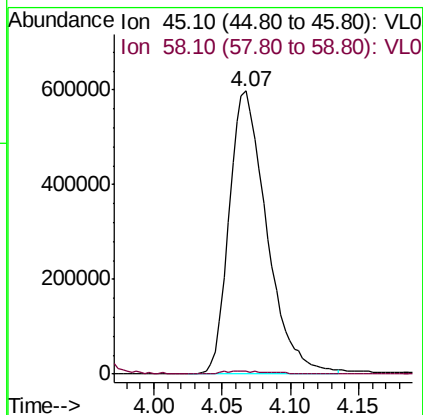
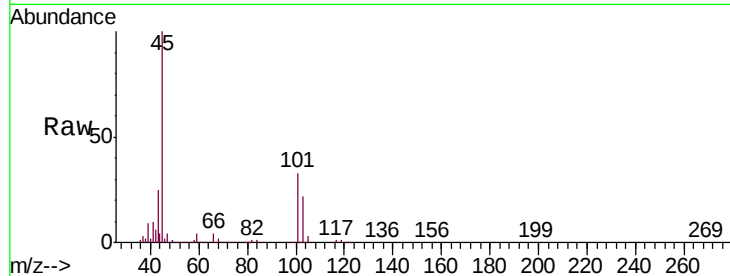


#19

Isopropyl Alcohol
 Concen: 10.301 ppbv
 RT: 4.07 min Scan# 927
 Delta R.T. 0.00 min
 Lab File: VL032380.D
 Acq: 16 Aug 2018 17:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0816ABS01

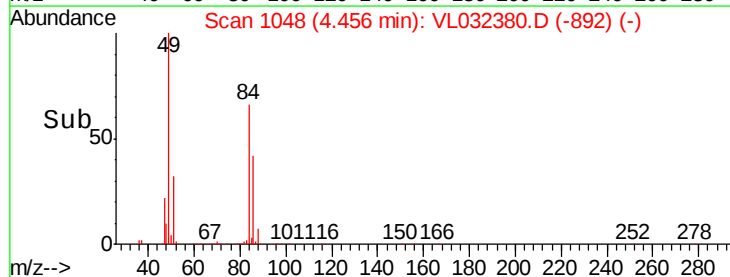
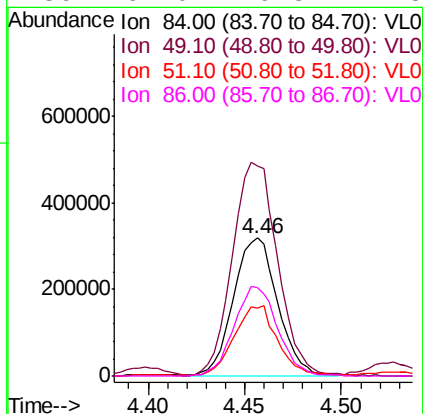
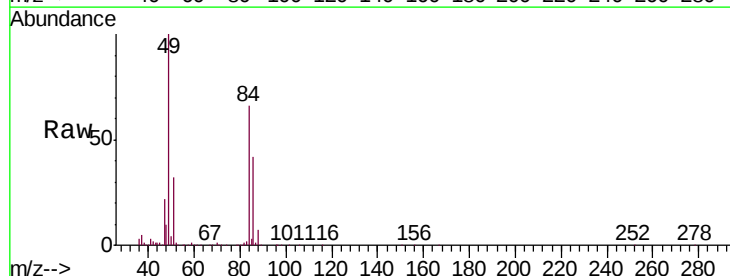
Tgt Ion: 45 Resp: 1143341
 Ion Ratio Lower Upper
 45 100
 58 1.6 1.4 2.0

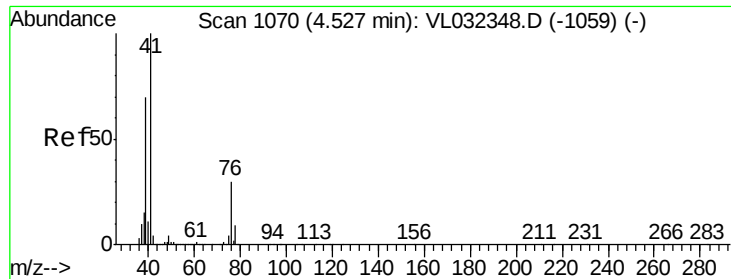


#20

Methylene Chloride
 Concen: 8.061 ppbv
 RT: 4.46 min Scan# 1048
 Delta R.T. 0.00 min
 Lab File: VL032380.D
 Acq: 16 Aug 2018 17:02

Tgt Ion: 84 Resp: 501800
 Ion Ratio Lower Upper
 84 100
 49 151.7 117.3 175.9
 51 48.5 36.6 55.0
 86 64.0 49.8 74.8

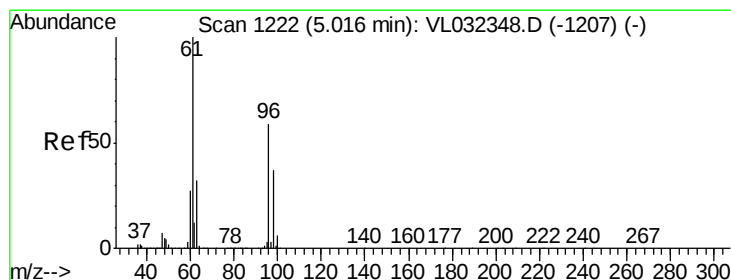
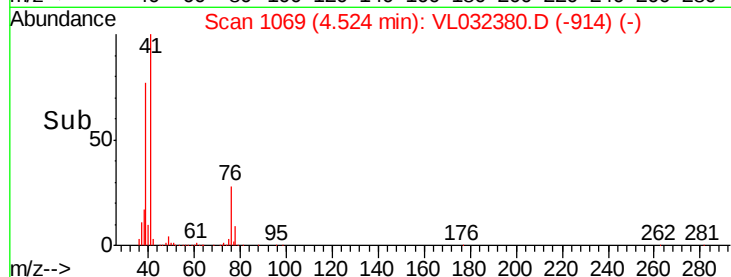
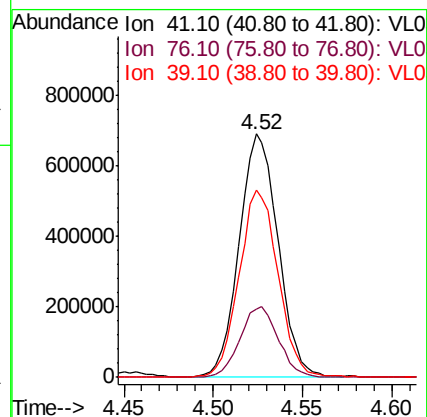
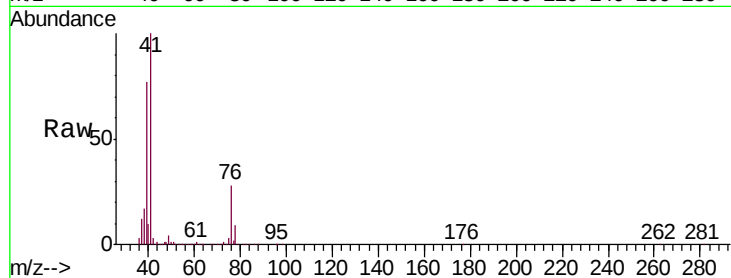




#21
 Allyl Chloride
 Concen: 10.000 ppbv
 RT: 4.52 min Scan# 1069
 Delta R.T. -0.00 min
 Lab File: VL032380.D
 Acq: 16 Aug 2018 17:02

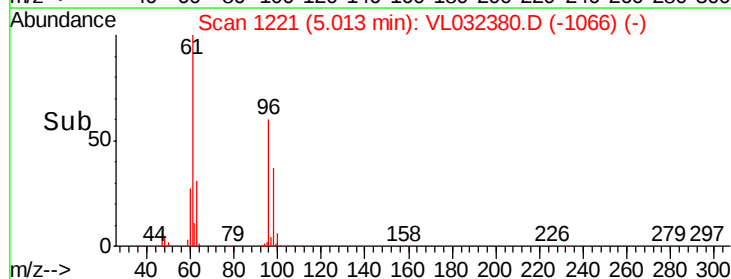
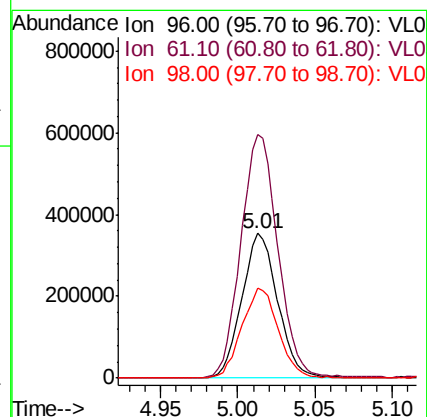
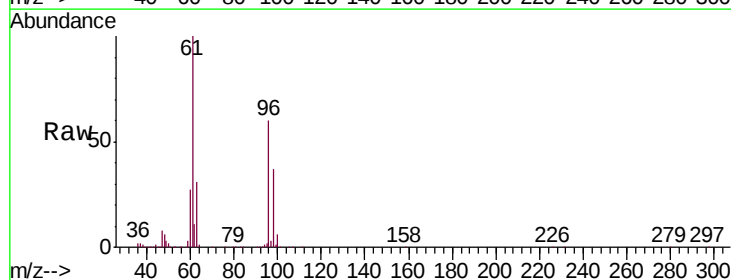
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0816ABS01

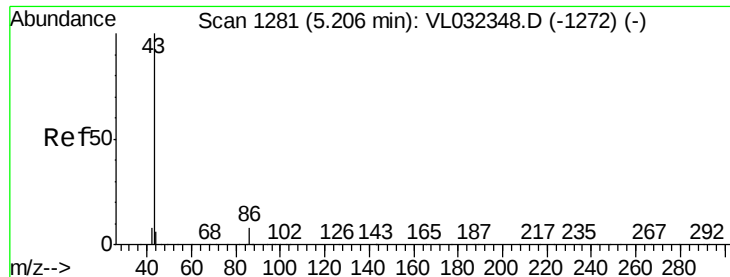
Tgt Ion: 41 Resp: 1040400
 Ion Ratio Lower Upper
 41 100
 76 28.8 22.9 34.3
 39 77.5 57.6 86.4



#22
 trans-1,2-Dichloroethene
 Concen: 9.290 ppbv
 RT: 5.01 min Scan# 1221
 Delta R.T. -0.00 min
 Lab File: VL032380.D
 Acq: 16 Aug 2018 17:02

Tgt Ion: 96 Resp: 570361
 Ion Ratio Lower Upper
 96 100
 61 167.9 136.6 205.0
 98 61.8 50.6 76.0



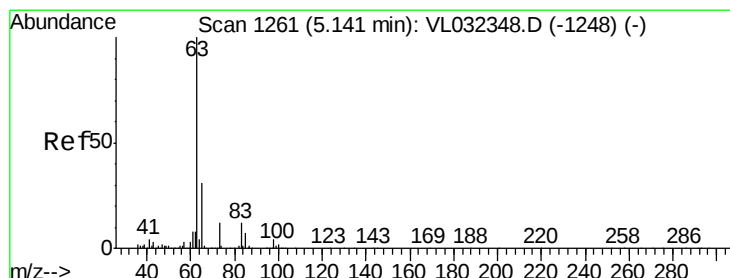
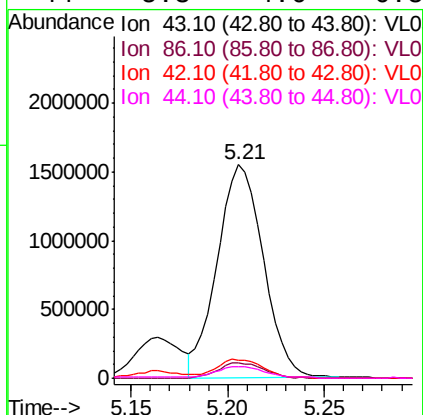
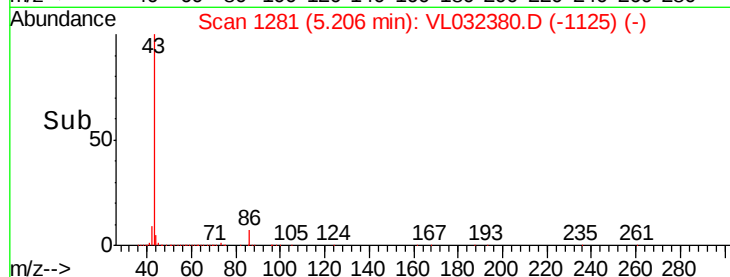
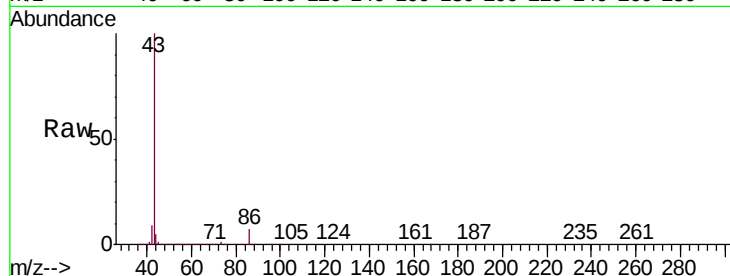


#23
 Vinyl Acetate
 Concen: 8.996 ppbv
 RT: 5.21 min Scan# 1281
 Delta R.T. 0.00 min
 Lab File: VL032380.D
 Acq: 16 Aug 2018 17:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0816ABS01

Tgt Ion: 43 Resp: 2560442

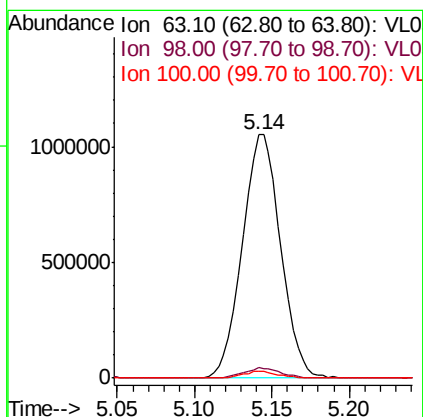
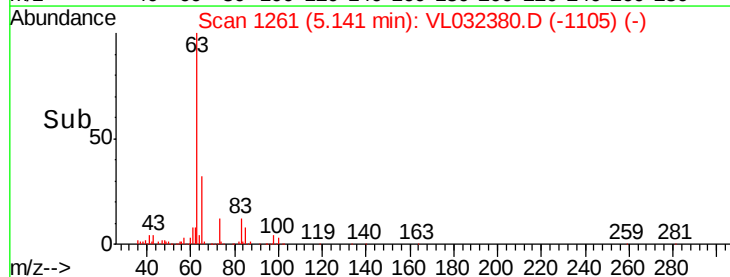
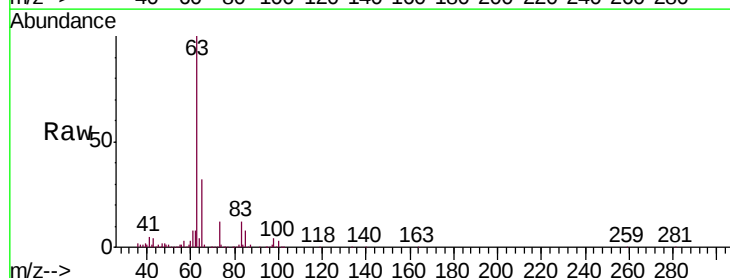
Ion	Ratio	Lower	Upper
43	100		
86	7.2	5.5	8.3
42	8.6	7.0	10.6
44	5.3	4.6	6.8

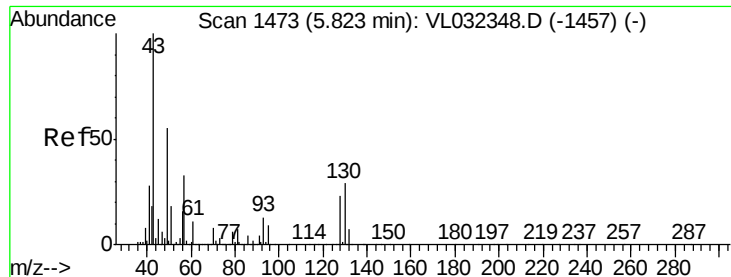


#24
 1,1-Dichloroethane
 Concen: 8.807 ppbv
 RT: 5.14 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VL032380.D
 Acq: 16 Aug 2018 17:02

Tgt Ion: 63 Resp: 1809945

Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.1	6.3
100	2.7	1.2	3.6



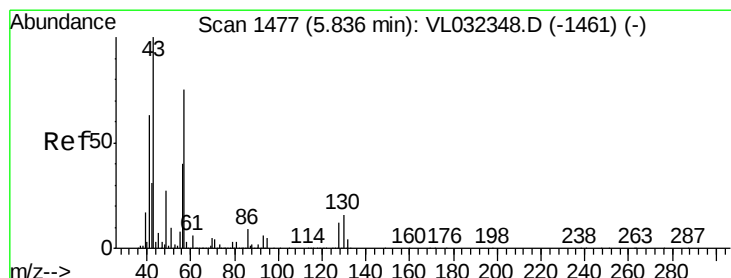
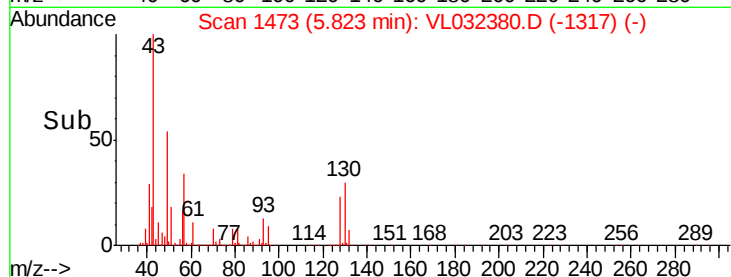
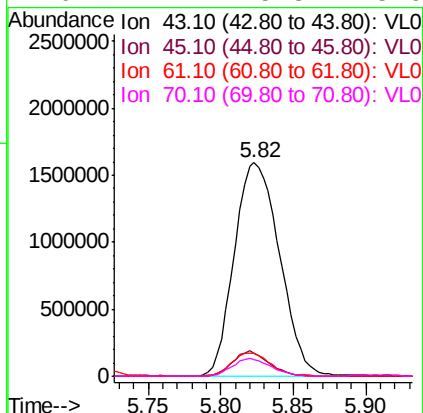
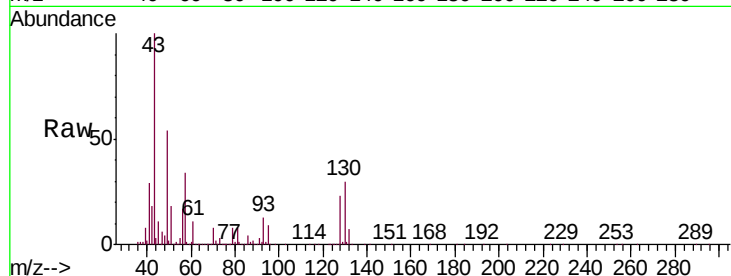


#25
Ethyl Acetate
Concen: 9.783 ppbv
RT: 5.82 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VL032380.D
Acq: 16 Aug 2018 17:02

Instrument :
MSVOA_L
ClientSampleId :
VL0816ABS01

Tgt Ion: 43 Resp: 3455706

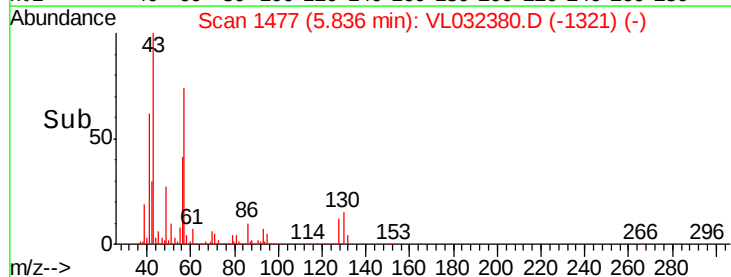
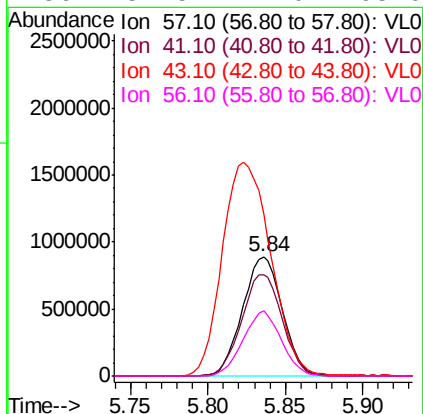
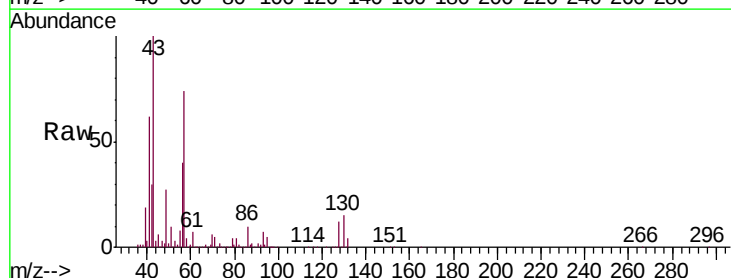
Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.9	11.9
61	9.5	7.4	11.2
70	7.2	5.8	8.6

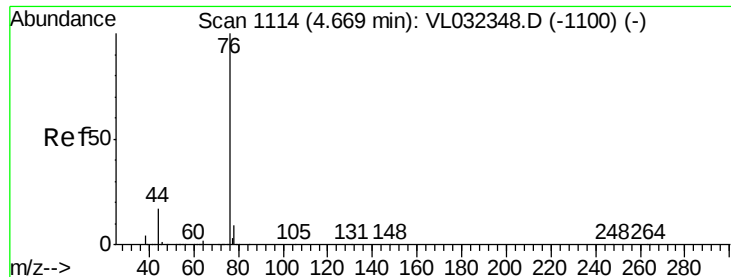


#26
Hexane
Concen: 10.099 ppbv
RT: 5.84 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VL032380.D
Acq: 16 Aug 2018 17:02

Tgt Ion: 57 Resp: 1590428

Ion	Ratio	Lower	Upper
57	100		
41	87.3	68.0	102.0
43	218.4	175.3	262.9
56	52.5	42.0	63.0





#27

Carbon Disulfide

Concen: 10.216 ppbv

RT: 4.67 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

Instrument :

MSVOA_L

ClientSampleId :

VL0816ABS01

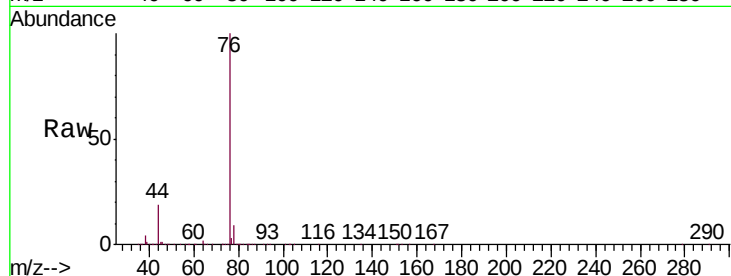
Tgt Ion: 76 Resp: 1501598

Ion Ratio Lower Upper

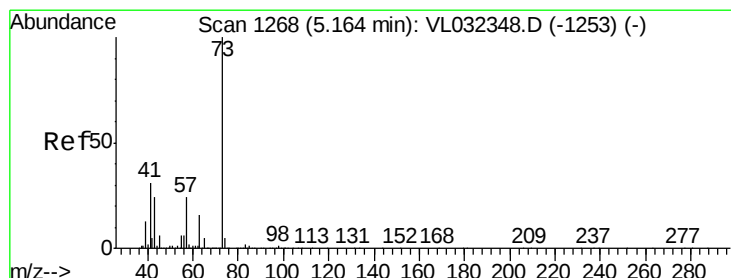
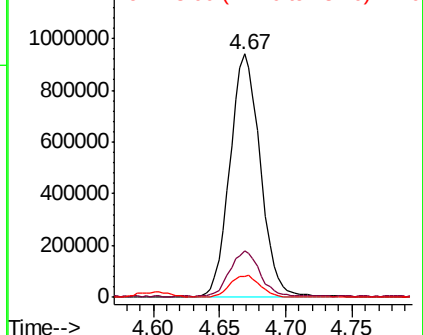
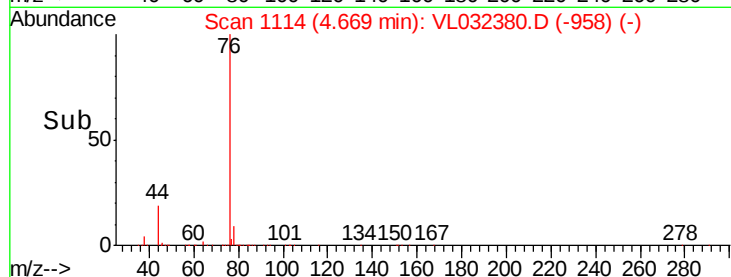
76 100

44 18.7 14.4 21.6

78 9.3 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.959 ppbv

RT: 5.16 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VL032380.D

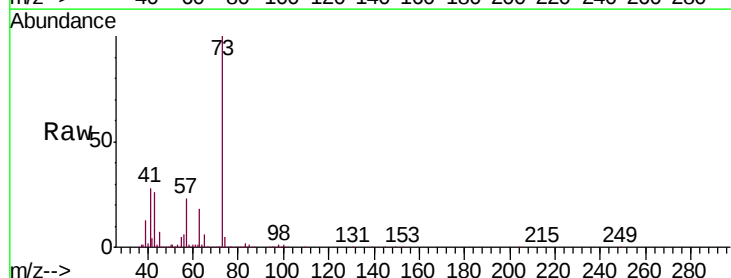
Acq: 16 Aug 2018 17:02

Tgt Ion: 73 Resp: 2081310

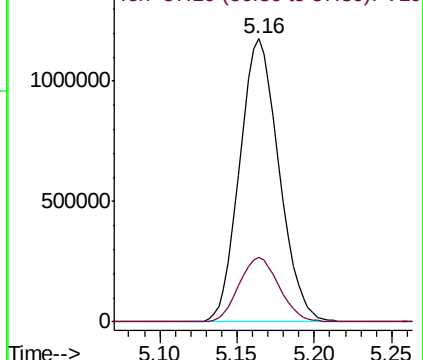
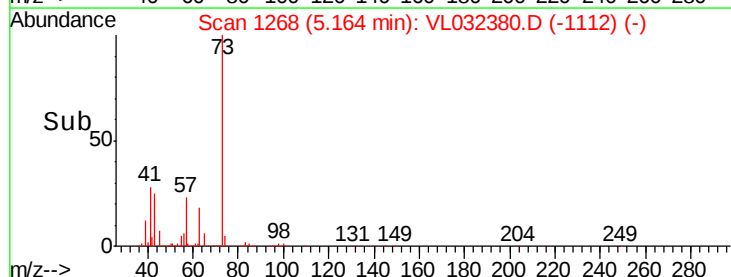
Ion Ratio Lower Upper

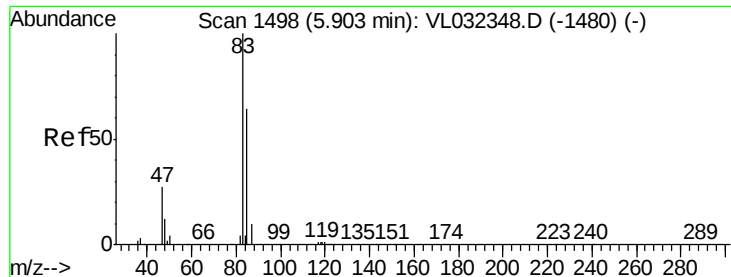
73 100

57 23.5 19.3 28.9



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





#29

Chloroform

Concen: 9.627 ppbv

RT: 5.91 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

Instrument :

MSVOA_L

ClientSampleId :

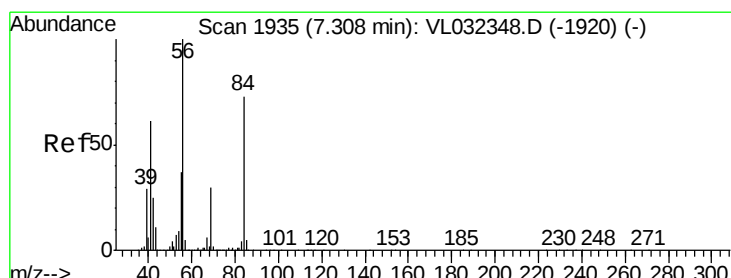
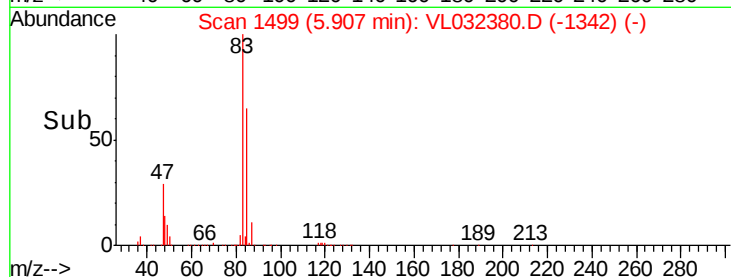
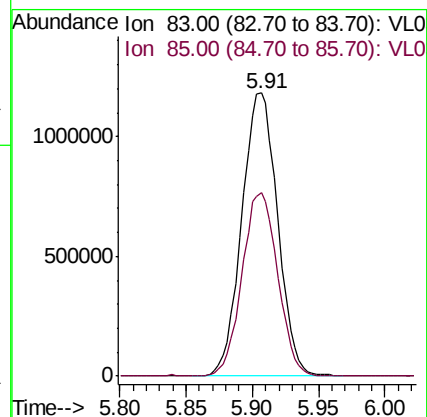
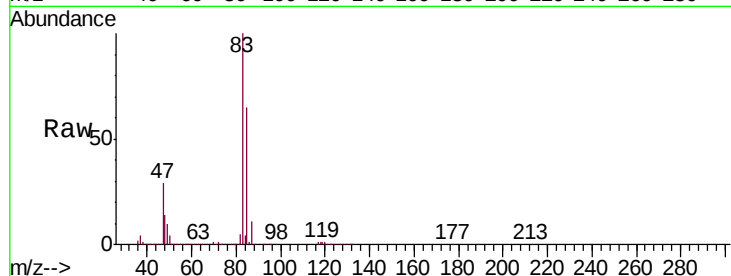
VL0816ABS01

Tgt Ion: 83 Resp: 2221869

Ion Ratio Lower Upper

83 100

85 64.8 51.6 77.4



#30

Cyclohexane

Concen: 10.913 ppbv

RT: 7.31 min Scan# 1935

Delta R.T. 0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

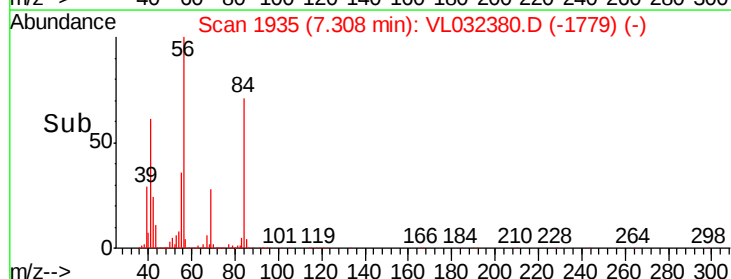
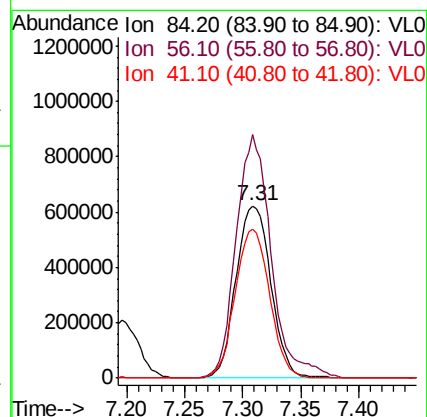
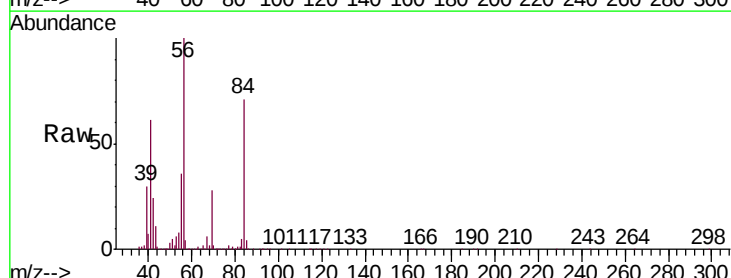
Tgt Ion: 84 Resp: 1309054

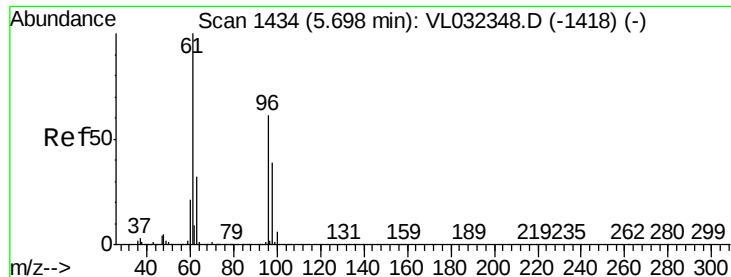
Ion Ratio Lower Upper

84 100

56 142.0 115.7 173.5

41 85.0 67.9 101.9





#31

cis-1,2-Dichloroethene

Concen: 10.665 ppbv

RT: 5.70 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

Instrument :

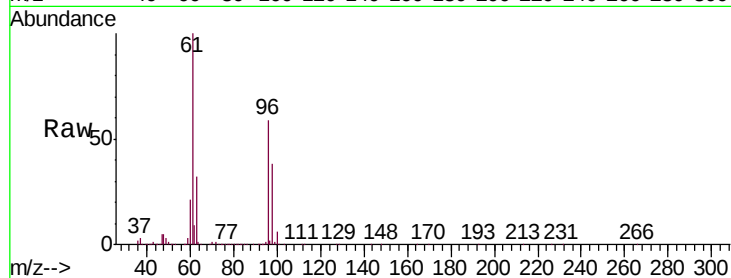
MSVOA_L

ClientSampleId :

VL0816ABS01

Tgt Ion: 61 Resp: 1643031

Ion	Ratio	Lower	Upper
61	100		
96	58.8	48.5	72.7
98	37.5	31.0	46.4

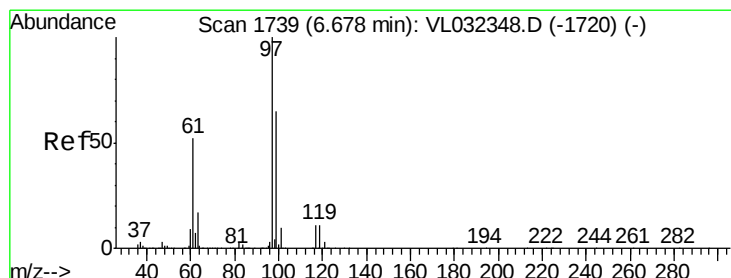
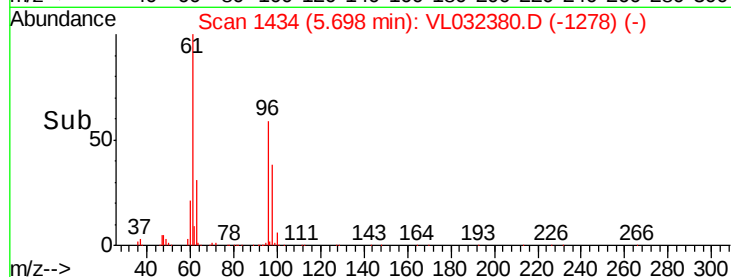
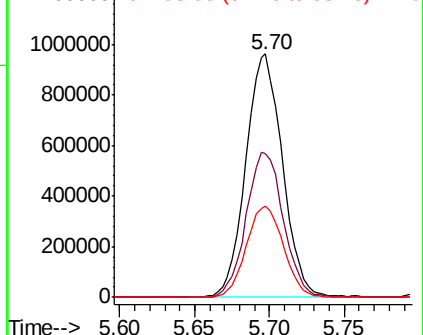


Abundance

Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 10.315 ppbv

RT: 6.68 min Scan# 1740

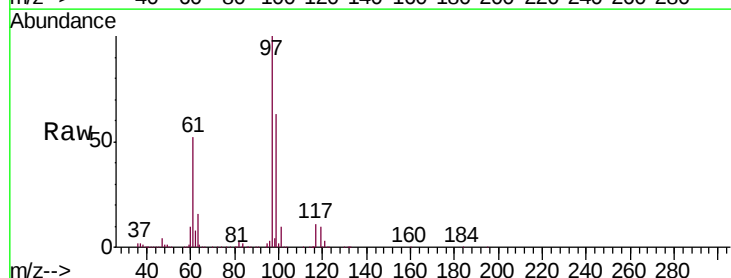
Delta R.T. 0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

Tgt Ion: 97 Resp: 2316552

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.1	76.7
61	52.1	41.1	61.7

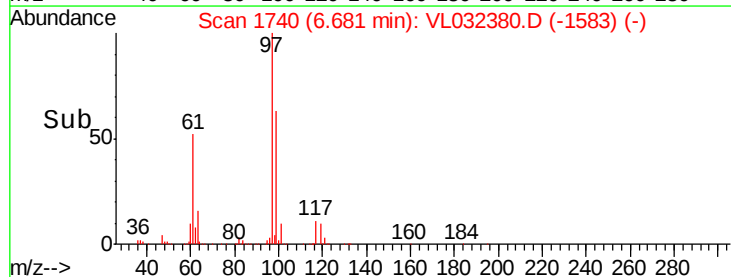
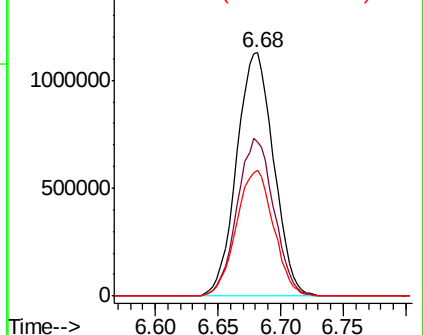


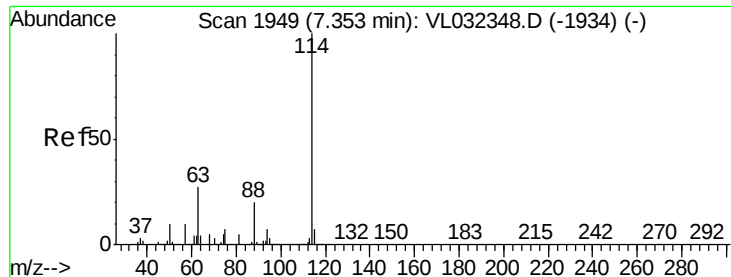
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

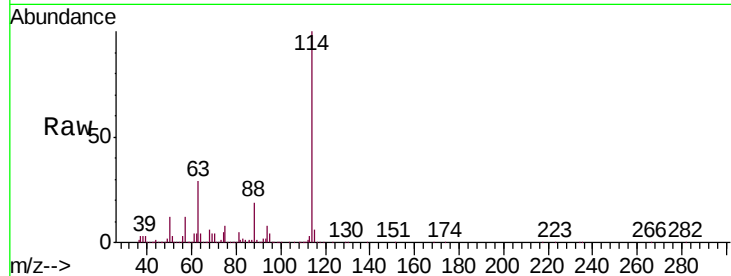




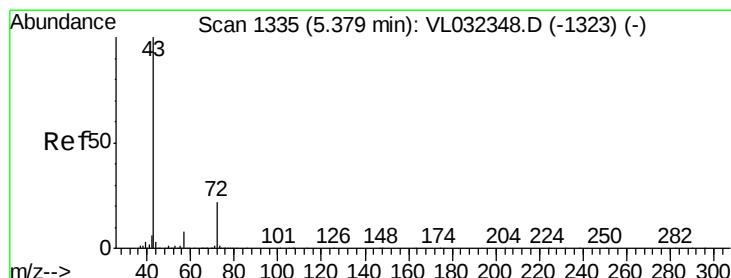
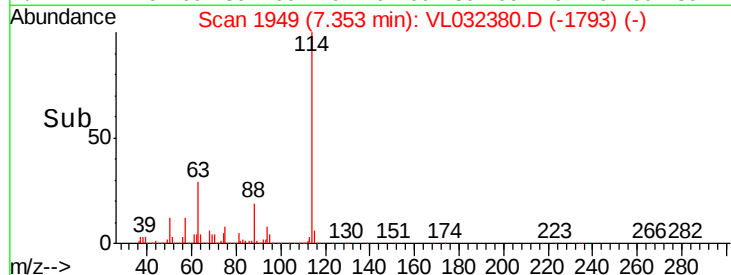
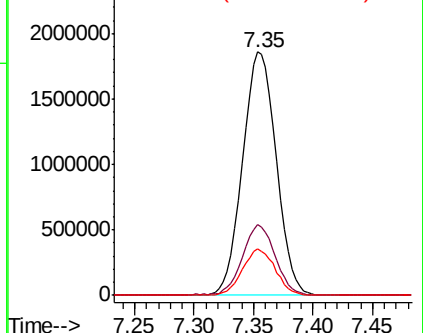
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.35 min Scan# 1949
 Delta R.T. 0.00 min
 Lab File: VL032380.D
 Acq: 16 Aug 2018 17:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0816ABS01

Tgt Ion: 114 Resp: 3637694
 Ion Ratio Lower Upper
 114 100
 63 28.4 22.0 33.0
 88 18.7 15.3 22.9

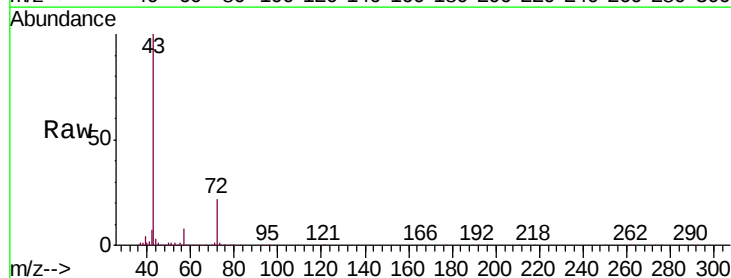


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

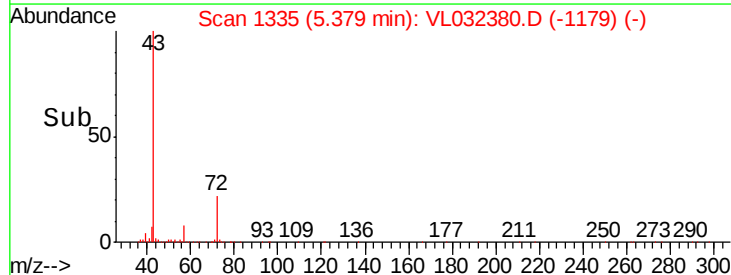
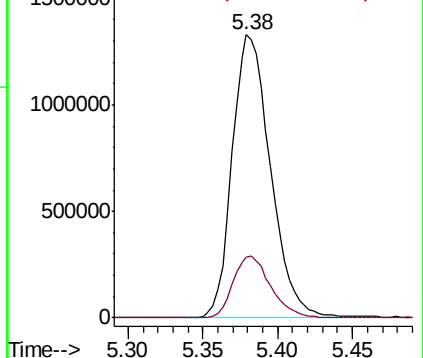


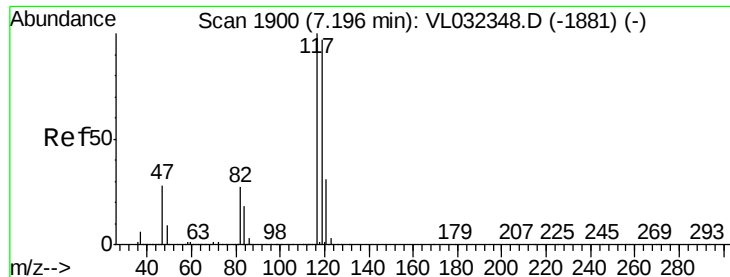
#34
 2-Butanone
 Concen: 9.502 ppbv
 RT: 5.38 min Scan# 1335
 Delta R.T. 0.00 min
 Lab File: VL032380.D
 Acq: 16 Aug 2018 17:02

Tgt Ion: 43 Resp: 2352591
 Ion Ratio Lower Upper
 43 100
 72 21.6 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: 10.823 ppbv

RT: 7.20 min Scan# 1900

Delta R.T. 0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

Instrument :

MSVOA_L

ClientSampleId :

VL0816ABS01

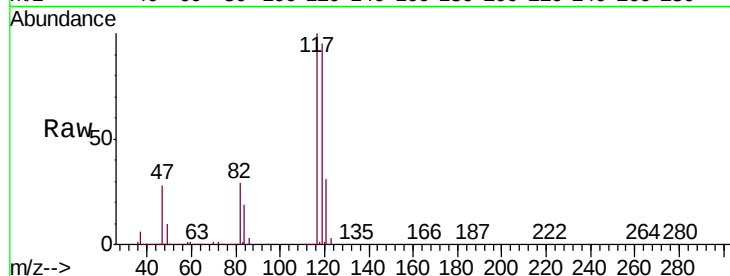
Tgt Ion:117 Resp: 2321507

Ion Ratio Lower Upper

117 100

119 94.6 77.2 115.8

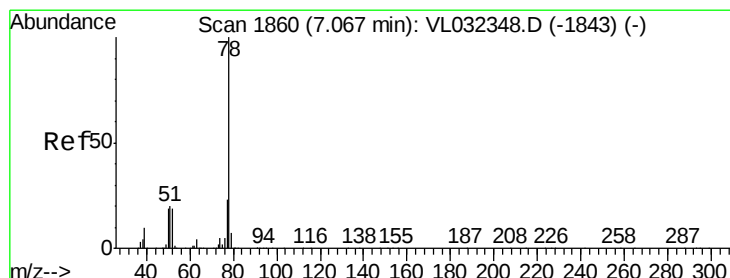
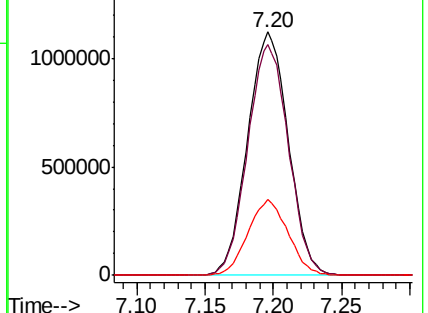
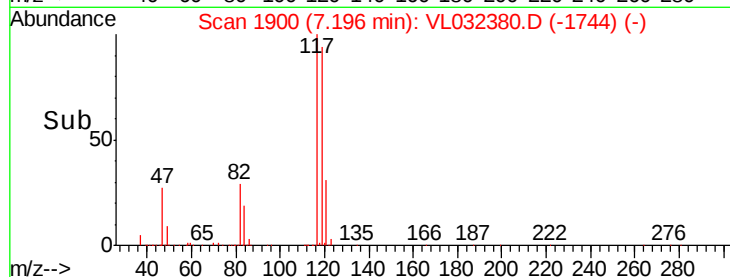
121 30.9 25.1 37.7



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: 9.456 ppbv

RT: 7.07 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

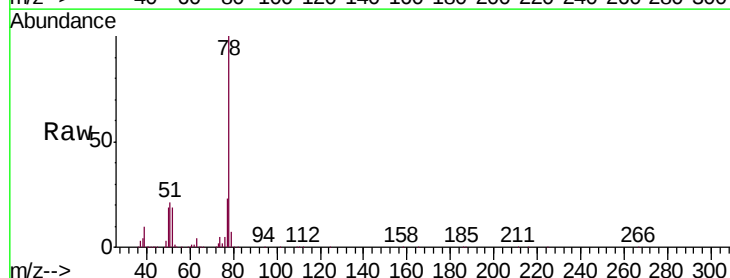
Tgt Ion: 78 Resp: 2916314

Ion Ratio Lower Upper

78 100

77 22.5 18.0 27.0

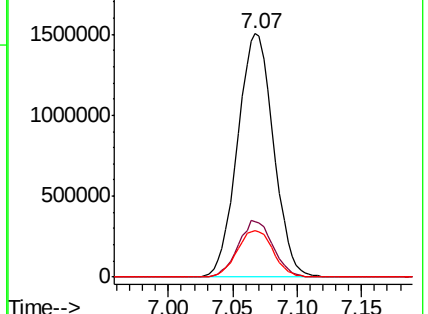
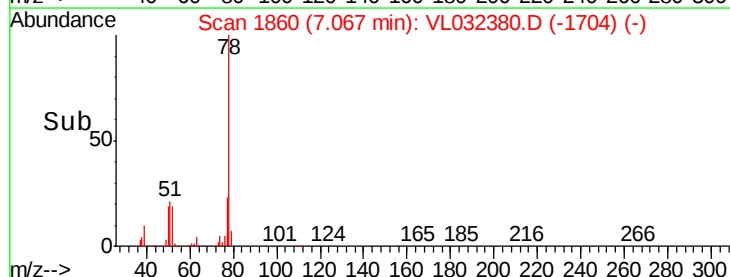
50 19.1 15.1 22.7

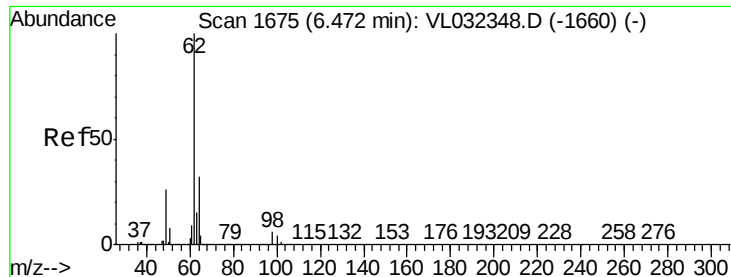


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

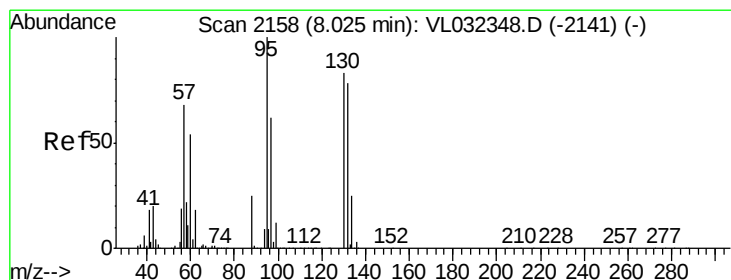
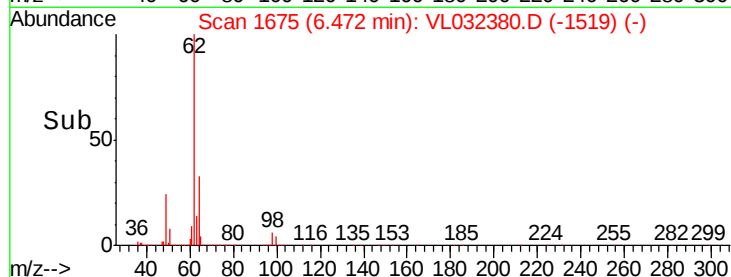
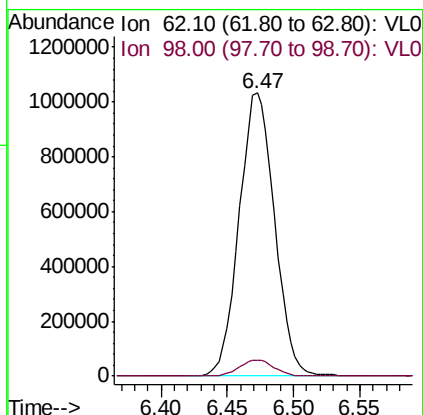
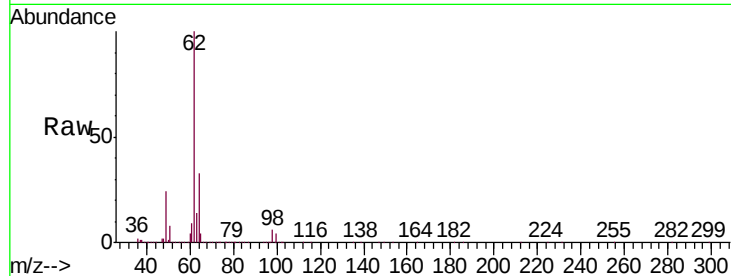




#37
 1,2-Dichloroethane
 Concen: 10.271 ppbv
 RT: 6.47 min Scan# 1675
 Delta R.T. 0.00 min
 Lab File: VL032380.D
 Acq: 16 Aug 2018 17:02

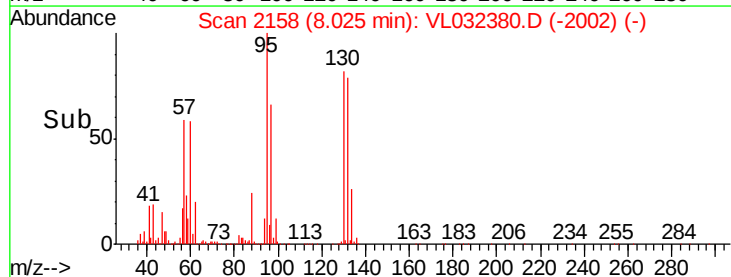
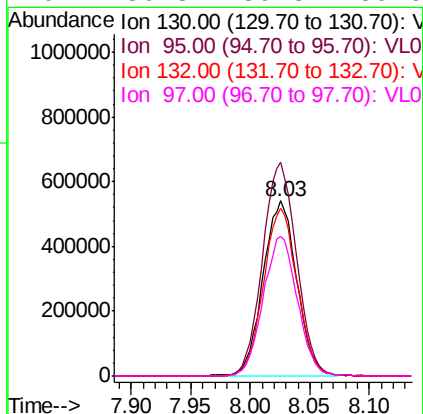
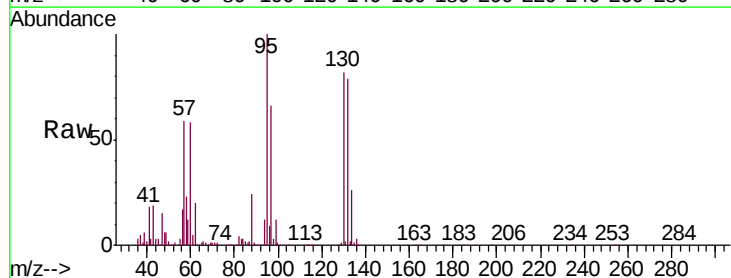
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0816ABS01

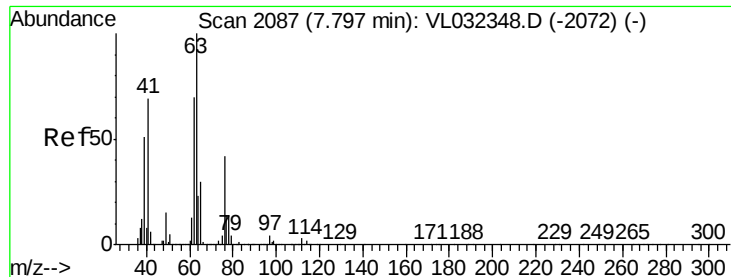
Tgt Ion: 62 Resp: 1921896
 Ion Ratio Lower Upper
 62 100
 98 5.7 5.0 7.6



#38
 Trichloroethene
 Concen: 9.865 ppbv
 RT: 8.03 min Scan# 2158
 Delta R.T. 0.00 min
 Lab File: VL032380.D
 Acq: 16 Aug 2018 17:02

Tgt Ion: 130 Resp: 1067060
 Ion Ratio Lower Upper
 130 100
 95 122.4 96.6 144.8
 132 96.3 75.5 113.3
 97 80.3 59.8 89.6





#39

1,2-Dichloropropane

Concen: 9.571 ppbv

RT: 7.80 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

Instrument :

MSVOA_L

ClientSampleId :

VL0816ABS01

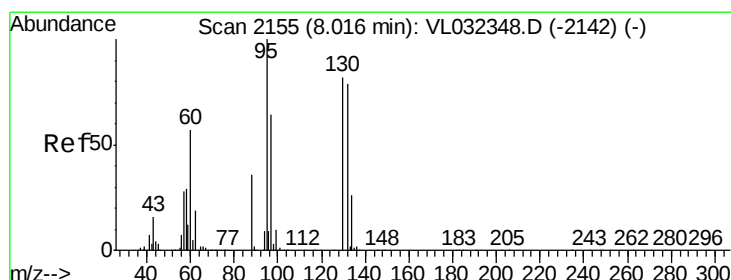
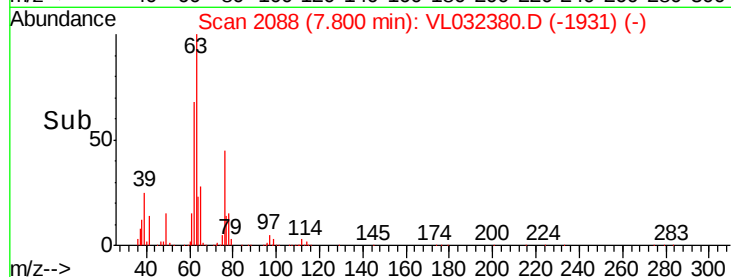
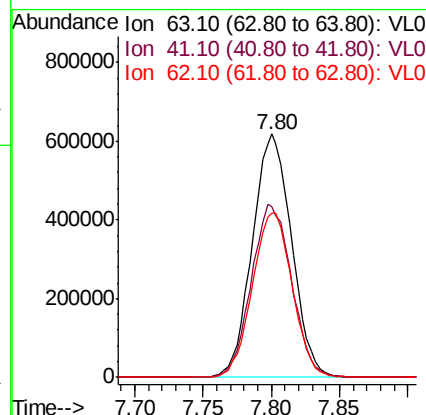
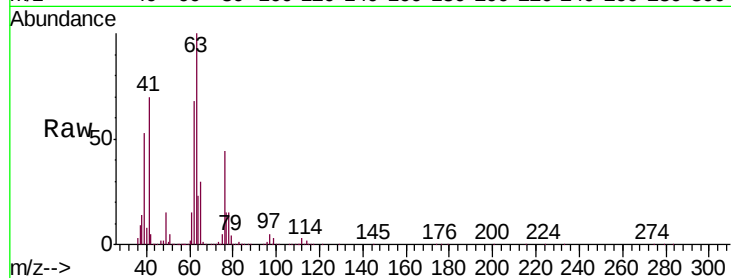
Tgt Ion: 63 Resp: 1232955

Ion Ratio Lower Upper

63 100

41 70.1 55.5 83.3

62 67.6 56.3 84.5



#40

1,4-Dioxane

Concen: 10.957 ppbv

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

Tgt Ion: 88 Resp: 428790

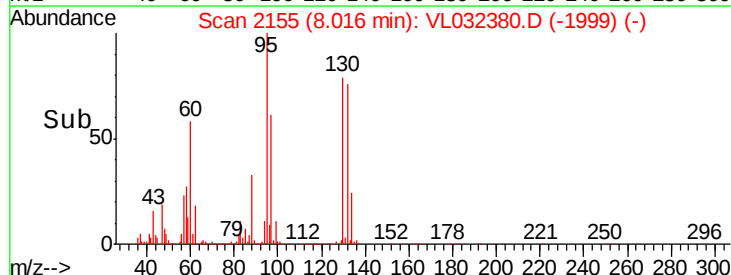
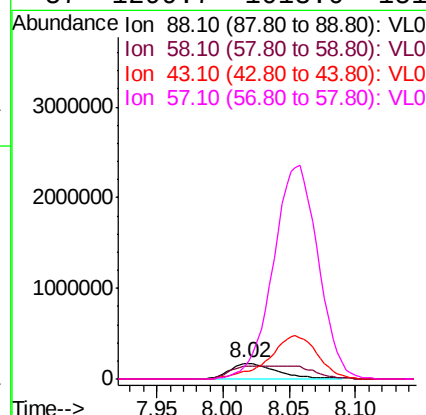
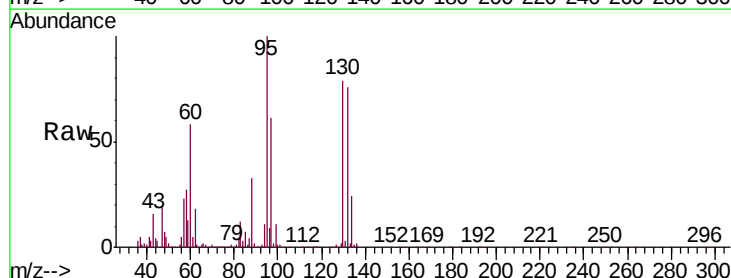
Ion Ratio Lower Upper

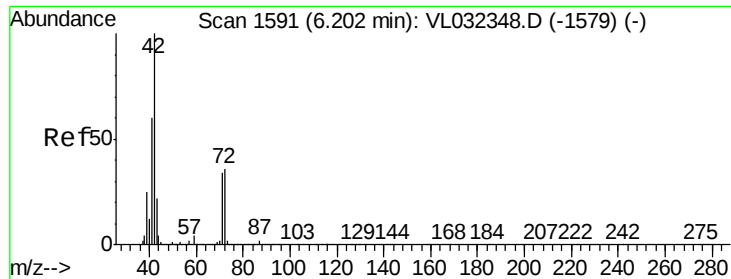
88 100

58 141.5 113.7 170.5

43 287.5 224.0 336.0

57 1299.7 1013.0 1519.6





#41

Tetrahydrofuran

Concen: 10.519 ppbv

RT: 6.20 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

Instrument :

MSVOA_L

ClientSampleId :

VL0816ABS01

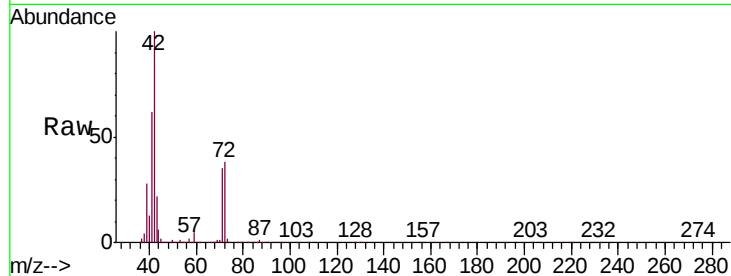
Tgt Ion: 42 Resp: 1398039

Ion Ratio Lower Upper

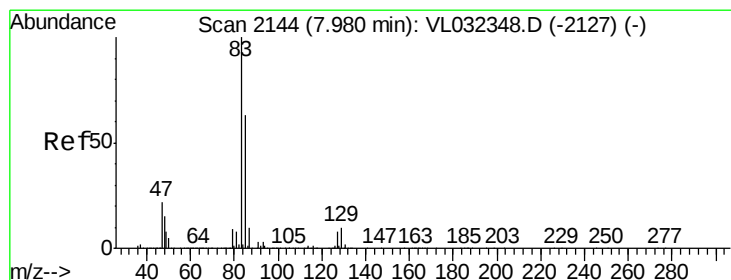
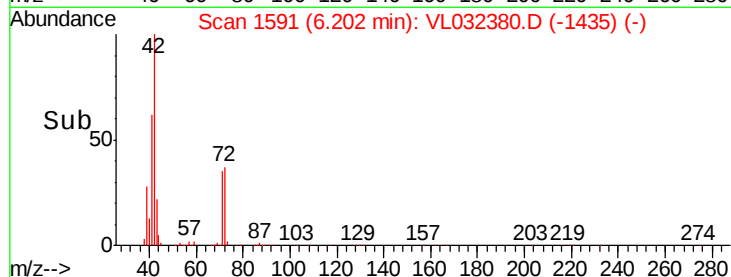
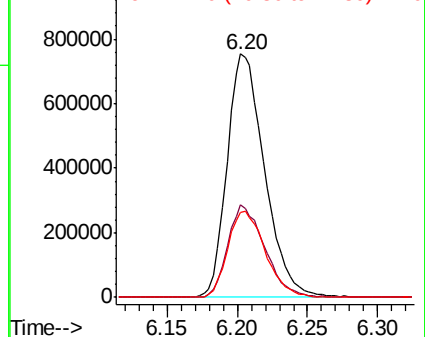
42 100

72 37.6 29.8 44.6

71 35.8 28.2 42.2



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 10.472 ppbv

RT: 7.98 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

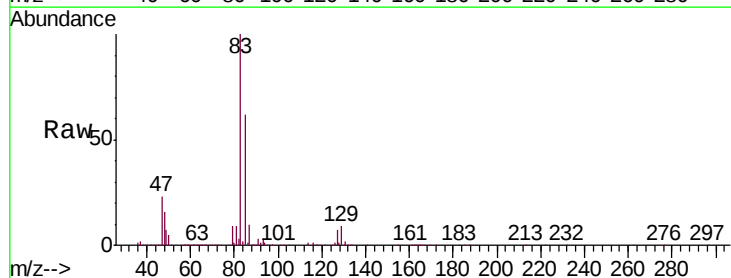
Tgt Ion: 83 Resp: 2565628

Ion Ratio Lower Upper

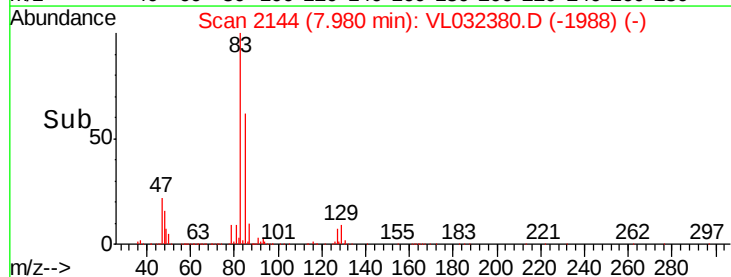
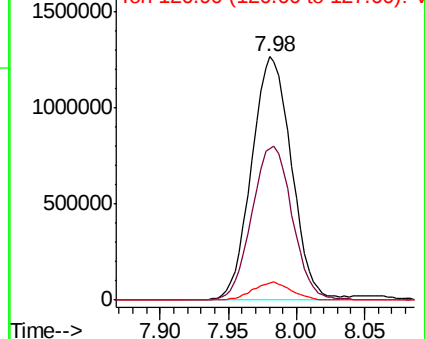
83 100

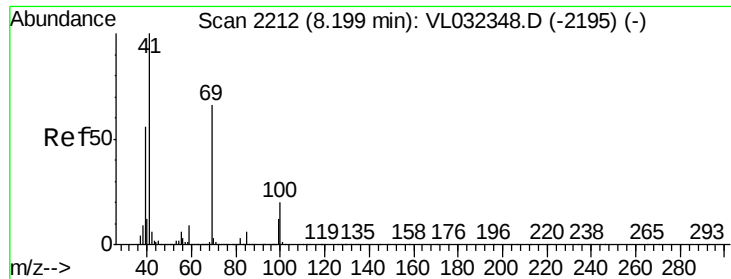
85 62.4 50.4 75.6

127 6.8 6.1 9.1



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V

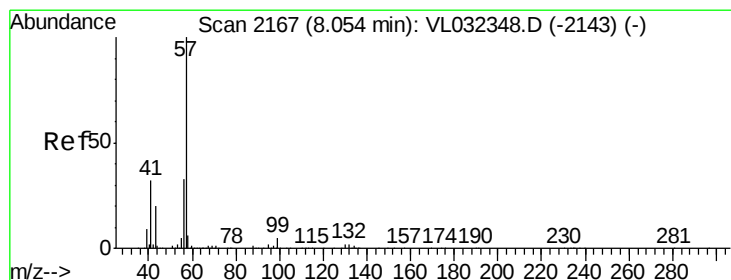
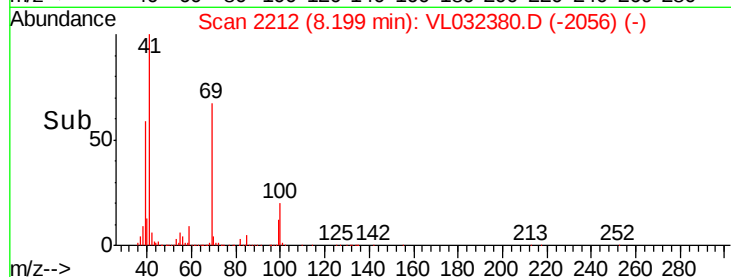
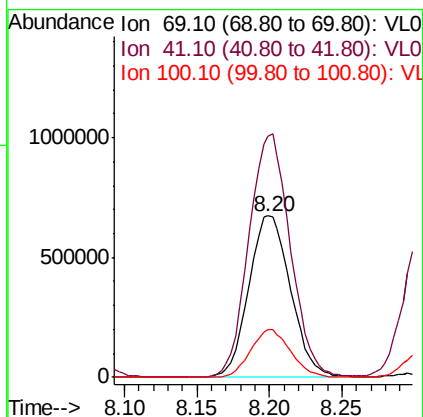
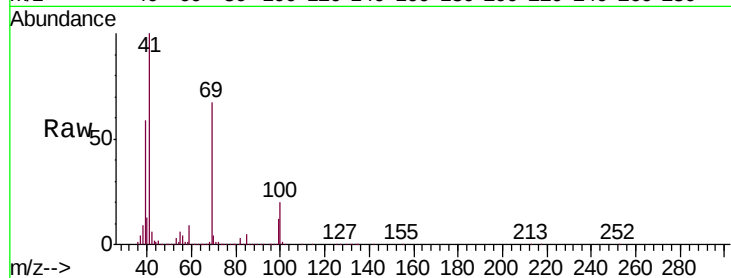




#43
Methyl Methacrylate
Concen: 11.003 ppbv
RT: 8.20 min Scan# 2212
Delta R.T. 0.00 min
Lab File: VL032380.D
Acq: 16 Aug 2018 17:02

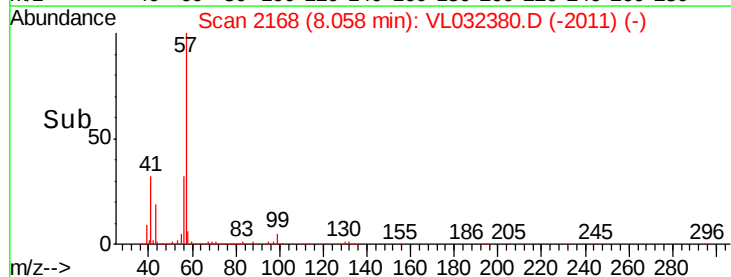
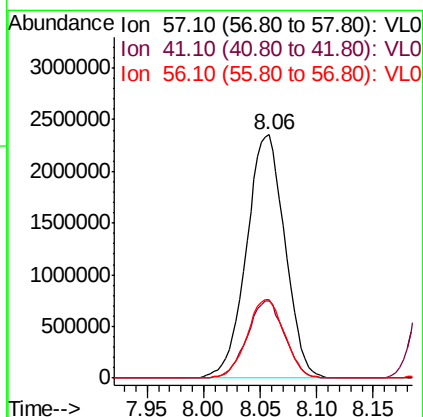
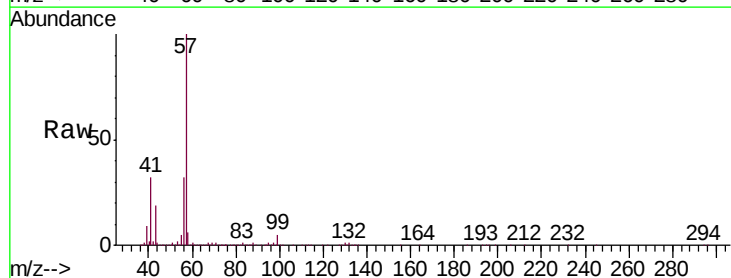
Instrument :
MSVOA_L
ClientSampleId :
VL0816ABS01

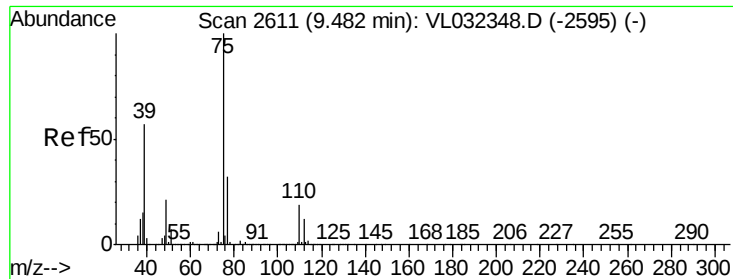
Tgt Ion: 69 Resp: 1352156
Ion Ratio Lower Upper
69 100
41 149.3 118.6 177.8
100 28.5 23.4 35.2



#44
2,2,4-Trimethylpentane
Concen: 9.999 ppbv
RT: 8.06 min Scan# 2168
Delta R.T. 0.00 min
Lab File: VL032380.D
Acq: 16 Aug 2018 17:02

Tgt Ion: 57 Resp: 5560547
Ion Ratio Lower Upper
57 100
41 31.1 24.3 36.5
56 31.7 25.7 38.5

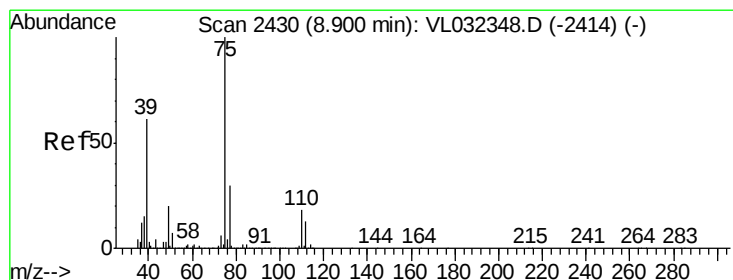
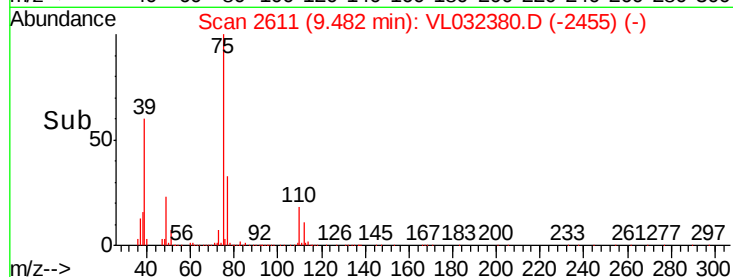
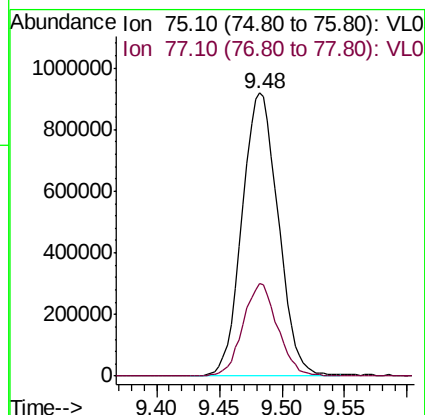
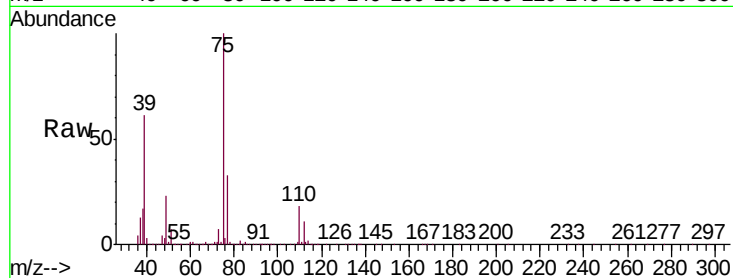




#45
 t-1,3-Dichloropropene
 Concen: 11.849 ppbv
 RT: 9.48 min Scan# 2611
 Delta R.T. 0.00 min
 Lab File: VL032380.D
 Acq: 16 Aug 2018 17:02

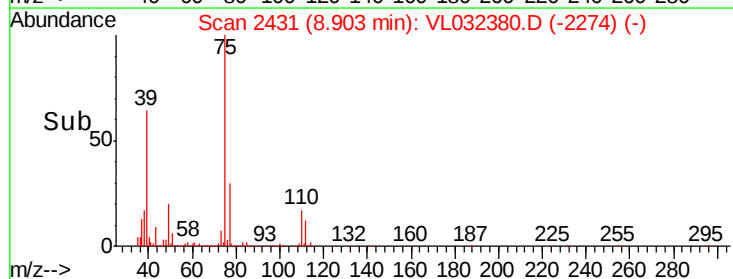
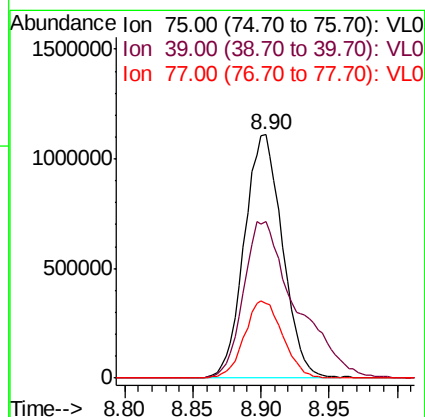
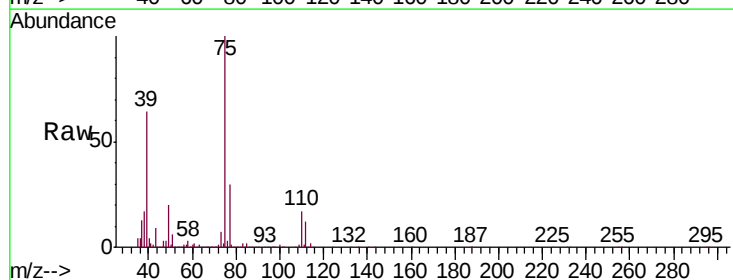
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0816ABS01

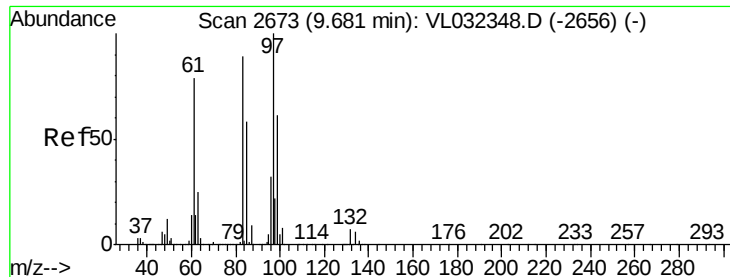
Tgt Ion: 75 Resp: 1841681
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.4 38.2



#46
 cis-1,3-Dichloropropene
 Concen: 11.571 ppbv
 RT: 8.90 min Scan# 2431
 Delta R.T. 0.00 min
 Lab File: VL032380.D
 Acq: 16 Aug 2018 17:02

Tgt Ion: 75 Resp: 2156875
 Ion Ratio Lower Upper
 75 100
 39 64.2 48.5 72.7
 77 30.4 24.3 36.5





#47

1,1,2-Trichloroethane

Concen: 8.699 ppbv

RT: 9.68 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

Instrument :

MSVOA_L

ClientSampleId :

VL0816ABS01

Tgt Ion: 97 Resp: 1233357

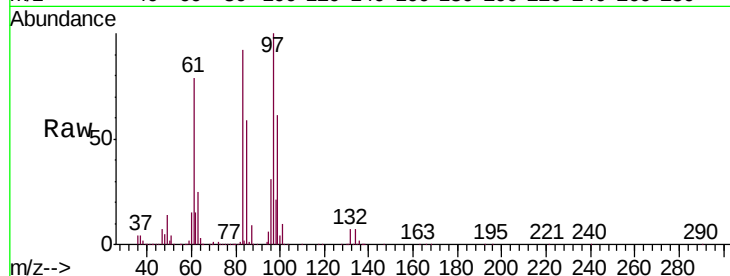
Ion Ratio Lower Upper

97 100

83 91.5 71.2 106.8

85 58.7 46.6 69.8

99 61.1 49.2 73.8

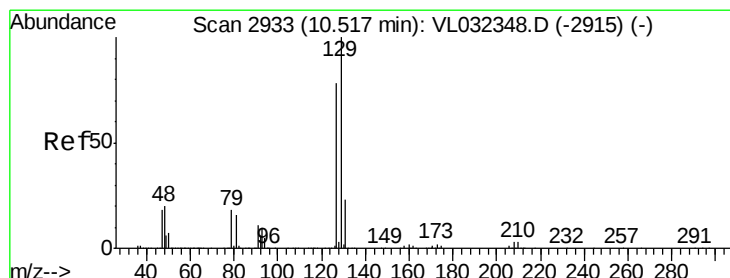
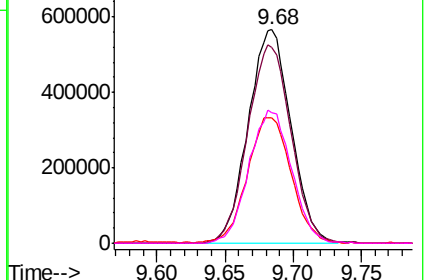
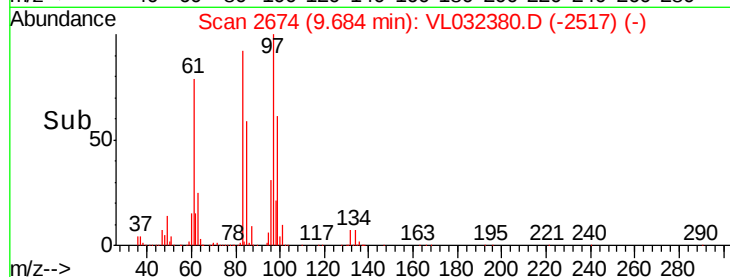


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 10.069 ppbv

RT: 10.52 min Scan# 2934

Delta R.T. 0.00 min

Lab File: VL032380.D

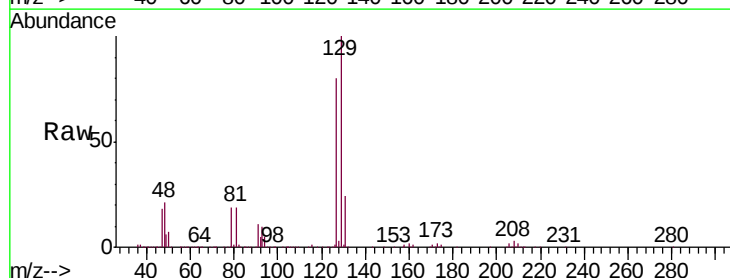
Acq: 16 Aug 2018 17:02

Tgt Ion: 129 Resp: 1908675

Ion Ratio Lower Upper

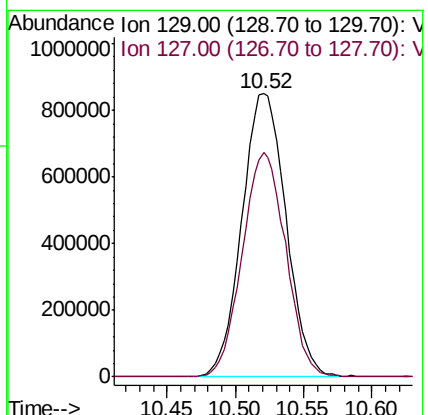
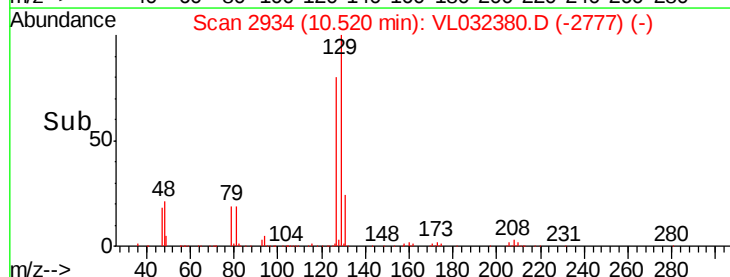
129 100

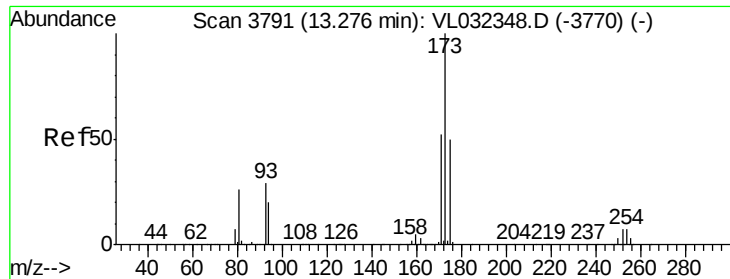
127 78.2 39.3 117.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.234 ppbv

RT: 13.27 min Scan# 3790

Delta R.T. -0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

Instrument :

MSVOA_L

ClientSampleId :

VL0816ABS01

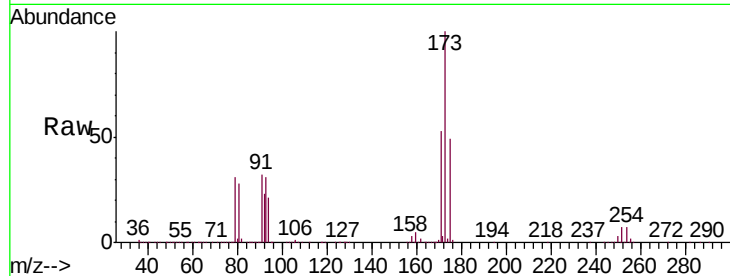
Tgt Ion:173 Resp: 1611317

Ion Ratio Lower Upper

173 100

175 48.5 39.3 58.9

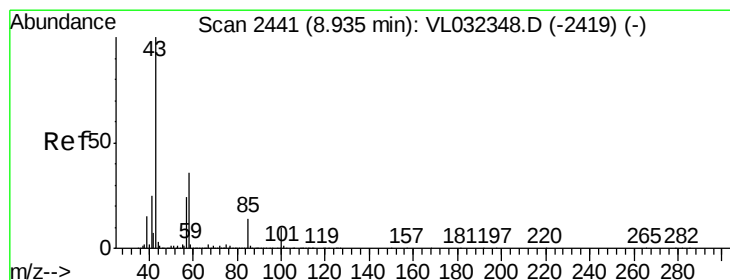
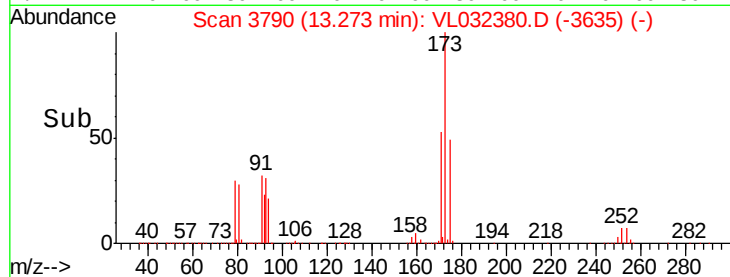
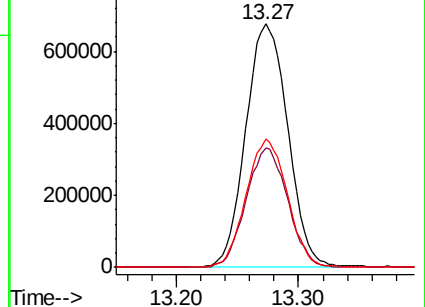
171 52.0 41.9 62.9



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: 10.335 ppbv

RT: 8.94 min Scan# 2441

Delta R.T. 0.00 min

Lab File: VL032380.D

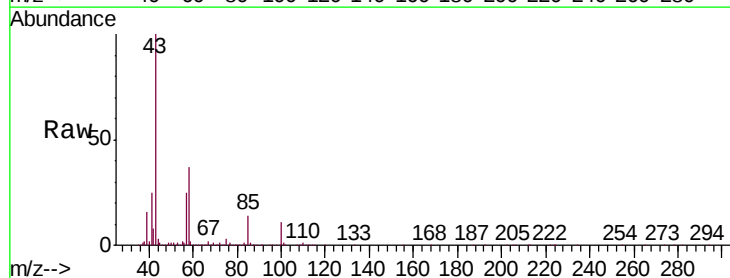
Acq: 16 Aug 2018 17:02

Tgt Ion: 43 Resp: 3695257

Ion Ratio Lower Upper

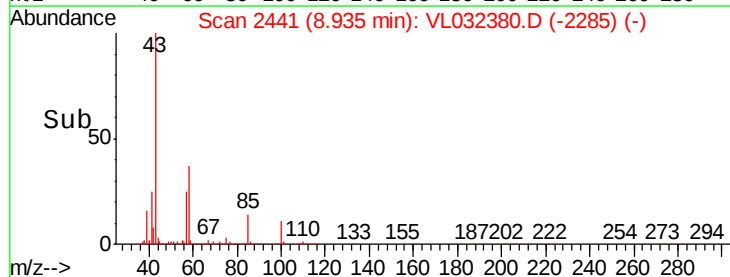
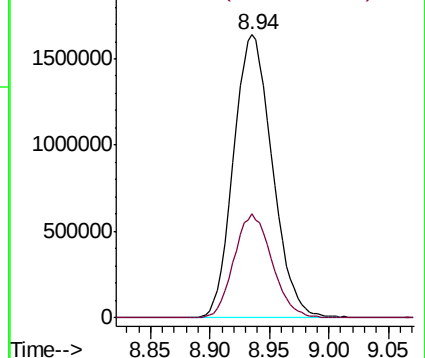
43 100

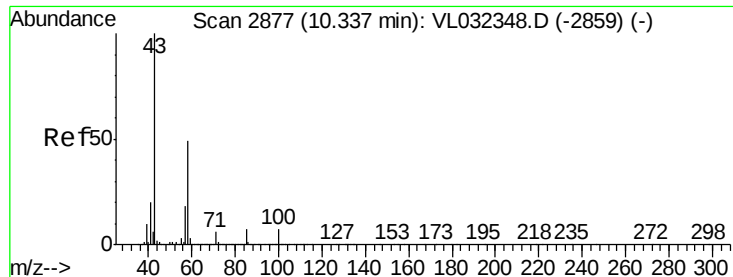
58 36.2 28.9 43.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

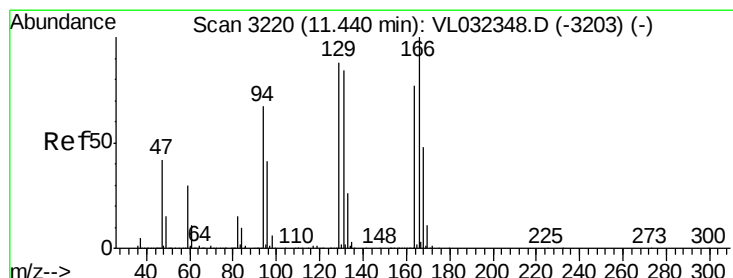
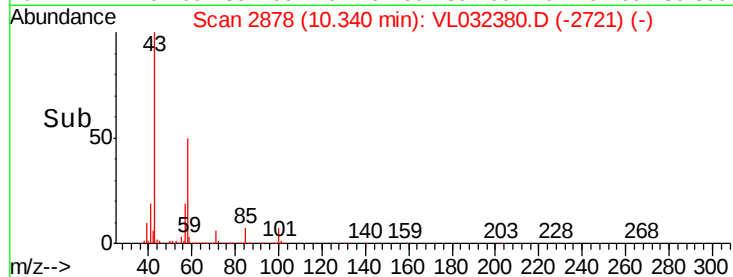
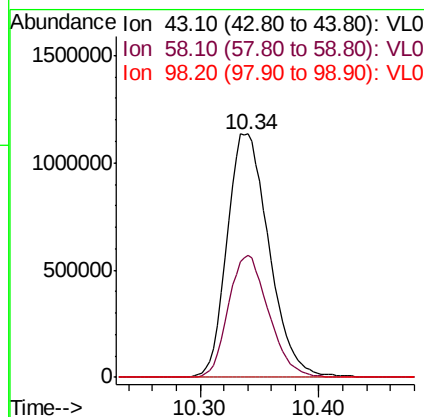
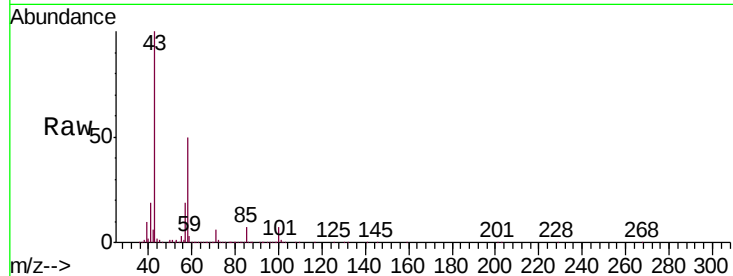




#51
2-Hexanone
Concen: 11.004 ppbv
RT: 10.34 min Scan# 2878
Delta R.T. 0.00 min
Lab File: VL032380.D
Acq: 16 Aug 2018 17:02

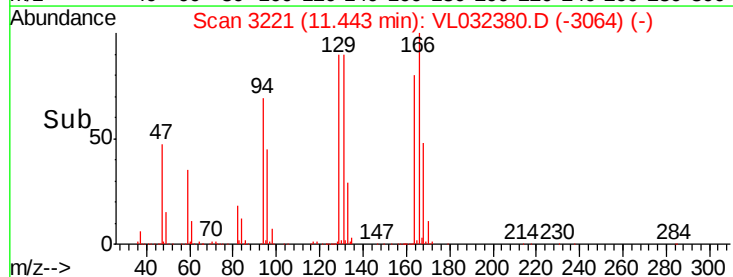
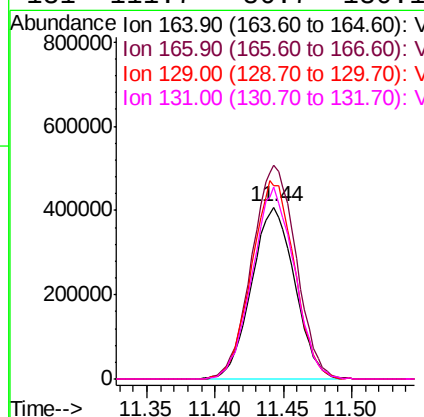
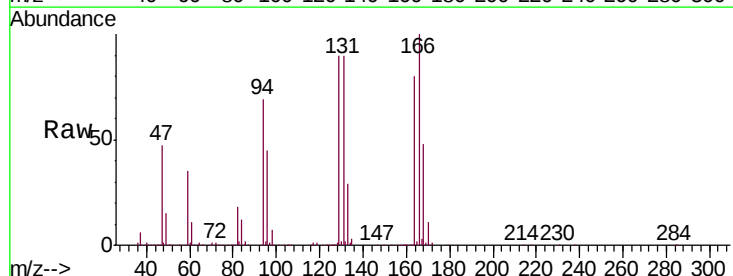
Instrument :
MSVOA_L
ClientSampleId :
VL0816ABS01

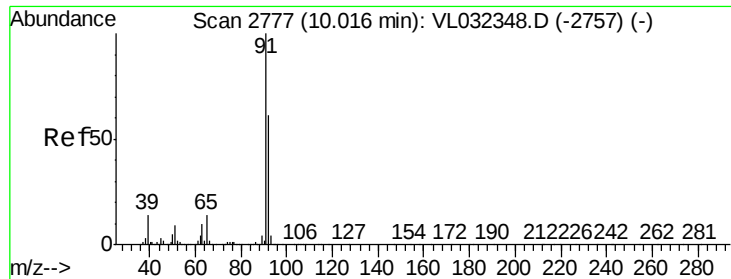
Tgt Ion: 43 Resp: 2762980
Ion Ratio Lower Upper
43 100
58 48.5 39.5 59.3
98 0.4 0.3 0.5



#52
Tetrachloroethene
Concen: 9.835 ppbv
RT: 11.44 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VL032380.D
Acq: 16 Aug 2018 17:02

Tgt Ion: 164 Resp: 894545
Ion Ratio Lower Upper
164 100
166 124.5 103.5 155.3
129 112.4 90.9 136.3
131 111.7 86.7 130.1





#53

Toluene

Concen: 10.206 ppbv

RT: 10.02 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

Instrument :

MSVOA_L

ClientSampleId :

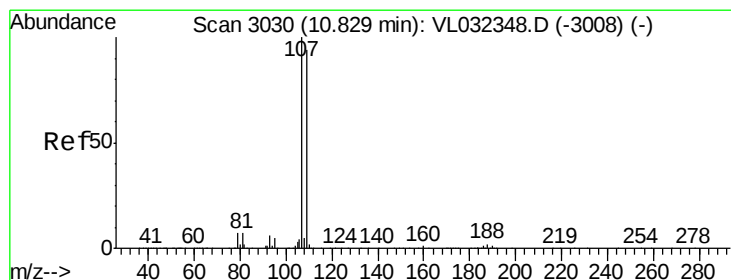
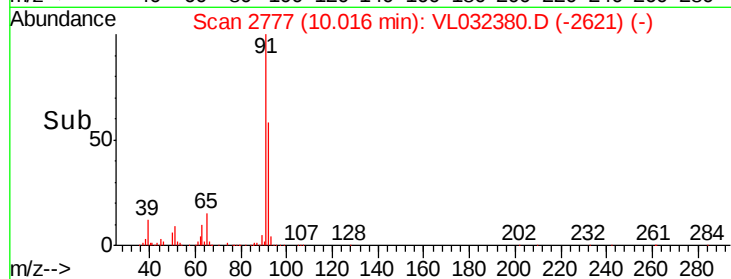
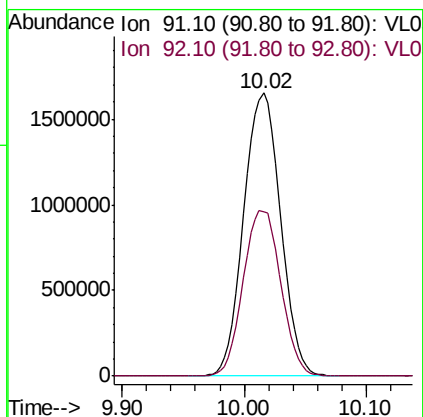
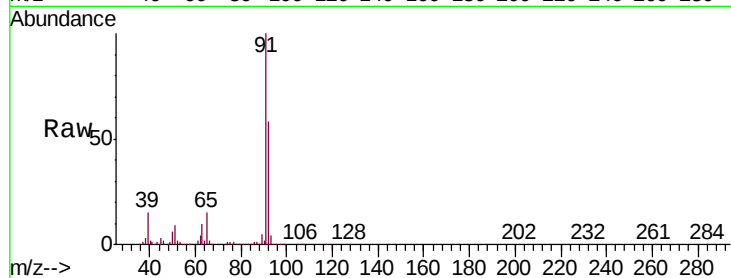
VL0816ABS01

Tgt Ion: 91 Resp: 3450411

Ion Ratio Lower Upper

91 100

92 60.0 48.7 73.1



#54

1,2-Dibromoethane

Concen: 9.995 ppbv

RT: 10.83 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VL032380.D

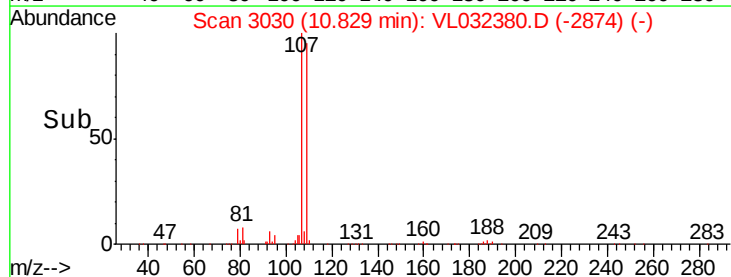
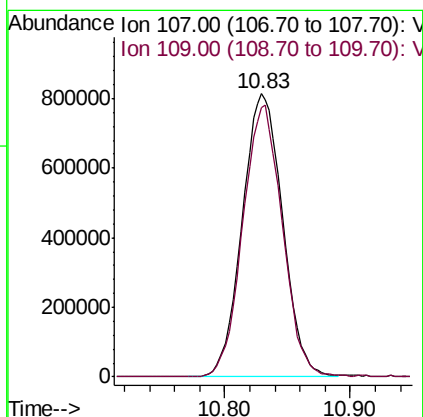
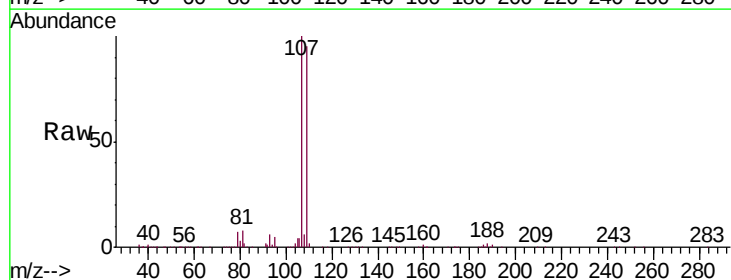
Acq: 16 Aug 2018 17:02

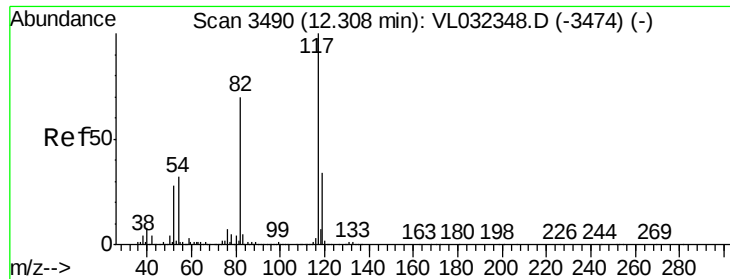
Tgt Ion: 107 Resp: 1820285

Ion Ratio Lower Upper

107 100

109 95.0 74.9 112.3

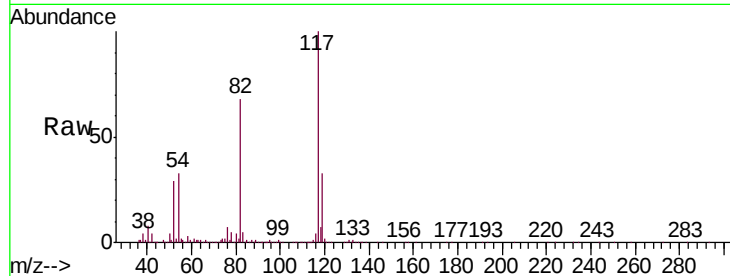




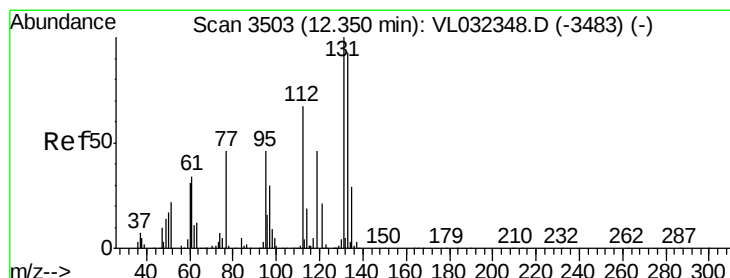
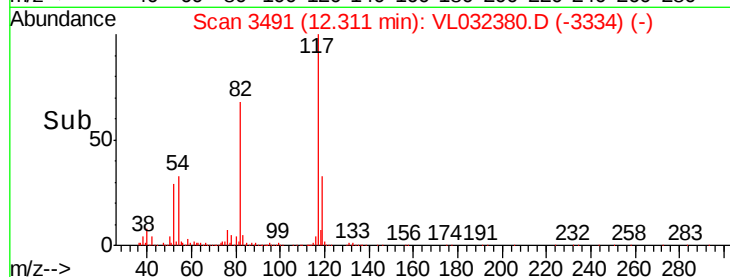
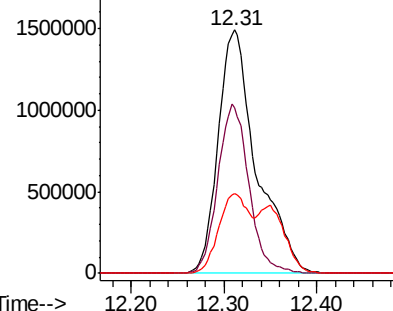
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.31 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VL032380.D
Acq: 16 Aug 2018 17:02

Instrument :
MSVOA_L
ClientSampleId :
VL0816ABS01

Tgt Ion:117 Resp: 4281409
Ion Ratio Lower Upper
117 100
82 56.6 55.1 82.7
119 46.4 46.0 69.0

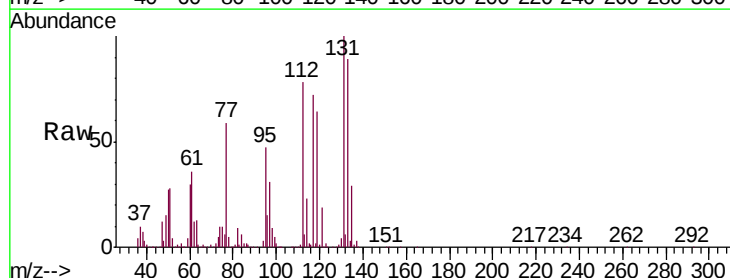


Abundance Ion 117.10 (116.80 to 117.80): V
2000000 Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

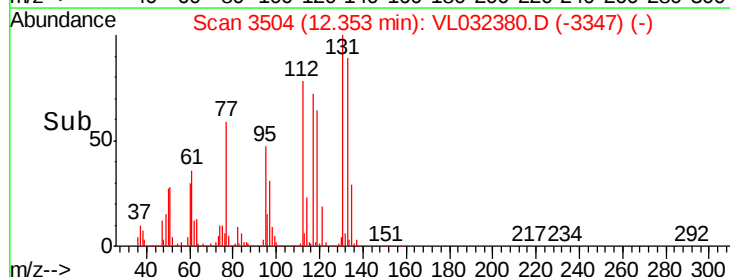
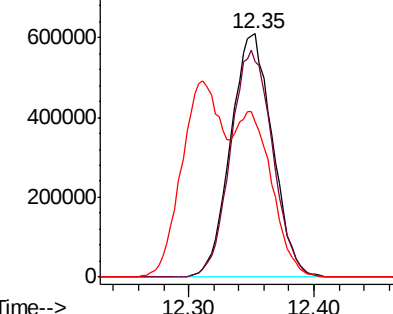


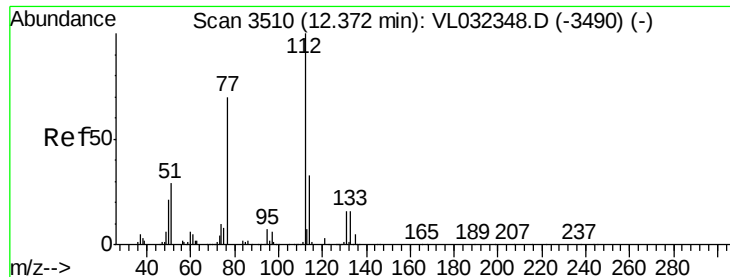
#56
1,1,1,2-Tetrachloroethane
Concen: 7.949 ppbv
RT: 12.35 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VL032380.D
Acq: 16 Aug 2018 17:02

Tgt Ion:131 Resp: 1407883
Ion Ratio Lower Upper
131 100
133 94.0 75.7 113.5
119 58.1 116.0 174.0#



Abundance Ion 131.00 (130.70 to 131.70): V
800000 Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 7.712 ppbv

RT: 12.37 min Scan# 3510

Delta R.T. 0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

Instrument :

MSVOA_L

ClientSampleId :

VL0816ABS01

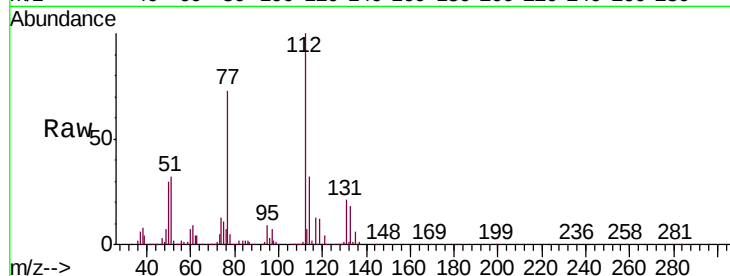
Tgt Ion: 112 Resp: 2485452

Ion Ratio Lower Upper

112 100

77 73.2 56.6 84.8

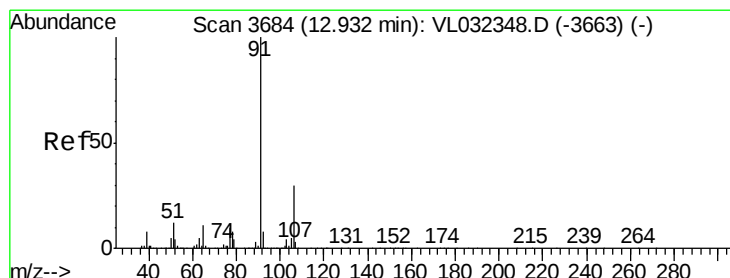
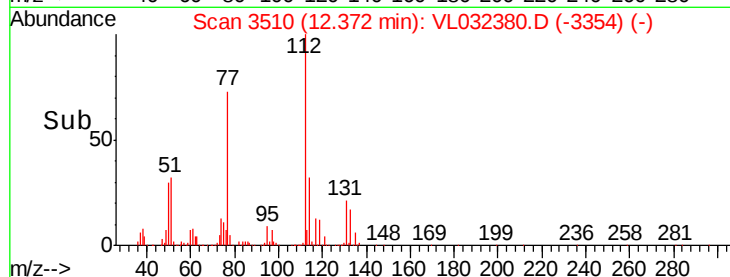
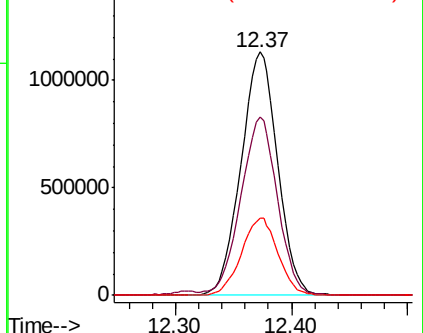
114 31.6 29.4 36.0



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 8.963 ppbv

RT: 12.94 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VL032380.D

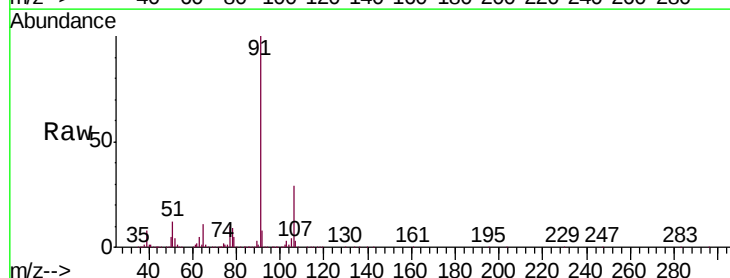
Acq: 16 Aug 2018 17:02

Tgt Ion: 91 Resp: 4616944

Ion Ratio Lower Upper

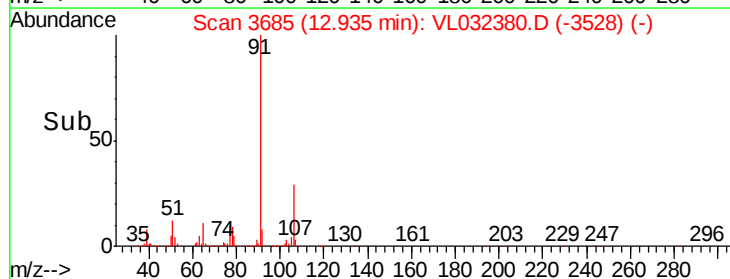
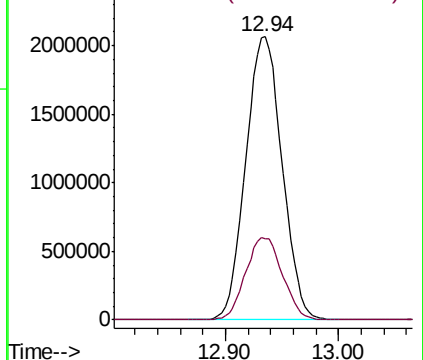
91 100

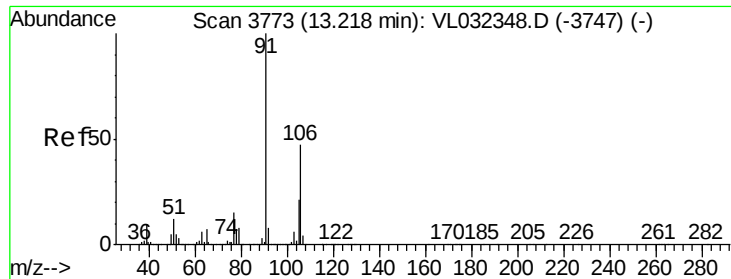
106 28.7 24.3 36.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

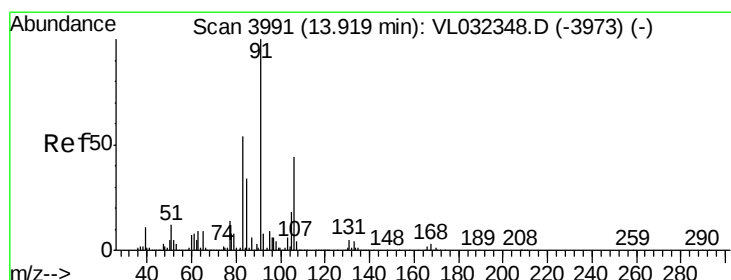
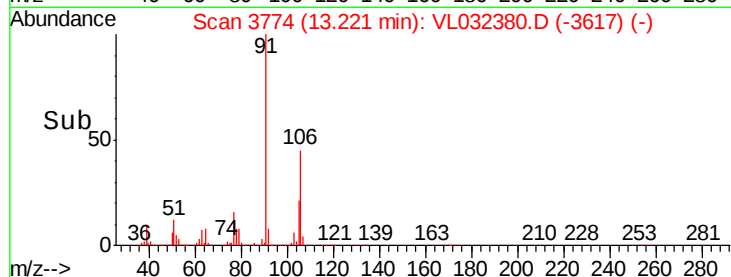
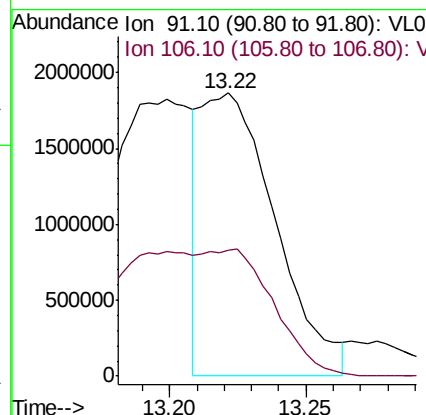
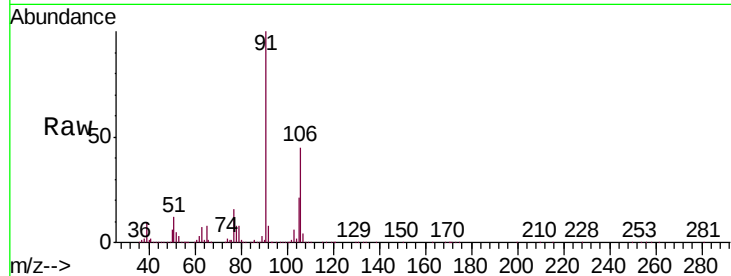




#59
m/p-Xylene
Concen: 8.008 ppbv
RT: 13.22 min Scan# 3774
Delta R.T. 0.00 min
Lab File: VL032380.D
Acq: 16 Aug 2018 17:02

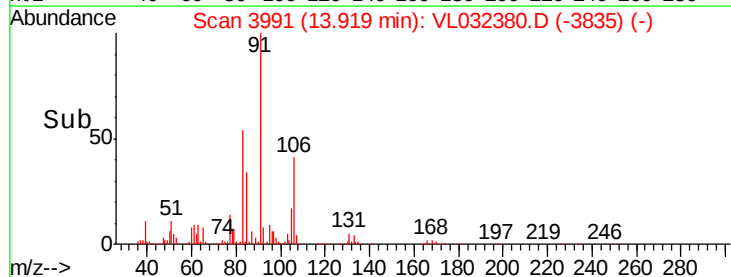
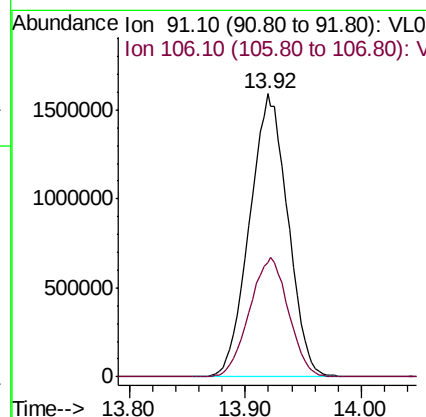
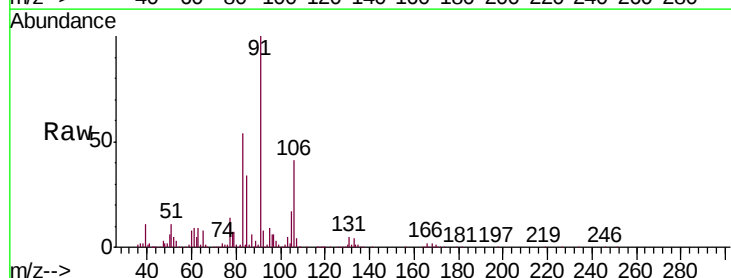
Instrument :
MSVOA_L
ClientSampleId :
VL0816ABS01

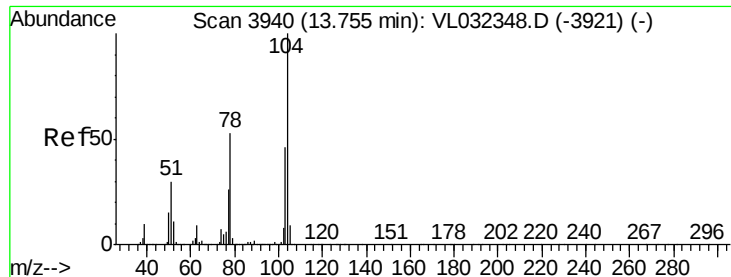
Tgt Ion: 91 Resp: 3504224
Ion Ratio Lower Upper
91 100
106 95.7 37.0 55.4#



#60
o-Xylene
Concen: 8.457 ppbv
RT: 13.92 min Scan# 3991
Delta R.T. 0.00 min
Lab File: VL032380.D
Acq: 16 Aug 2018 17:02

Tgt Ion: 91 Resp: 3637131
Ion Ratio Lower Upper
91 100
106 42.9 22.3 66.8





#61

Styrene

Concen: 9.344 ppbv

RT: 13.76 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

Instrument :

MSVOA_L

ClientSampleId :

VL0816ABS01

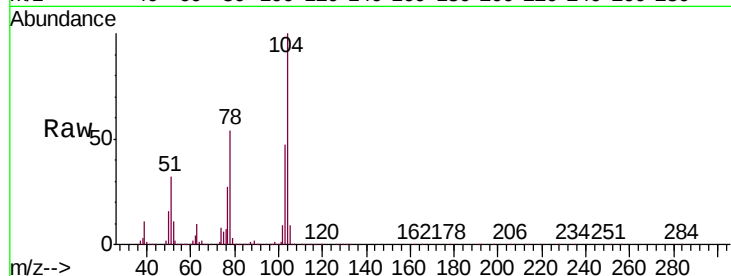
Tgt Ion:104 Resp: 2808531

Ion Ratio Lower Upper

104 100

78 55.0 42.6 64.0

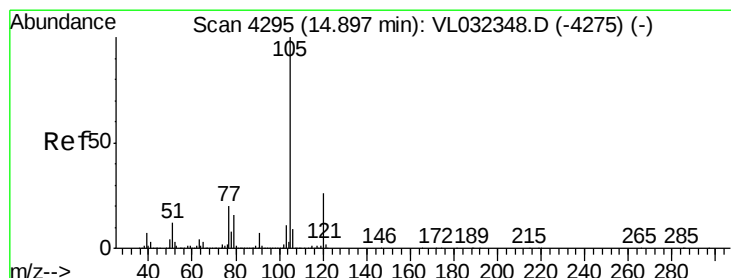
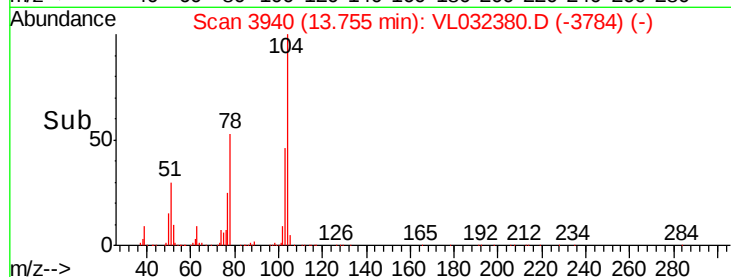
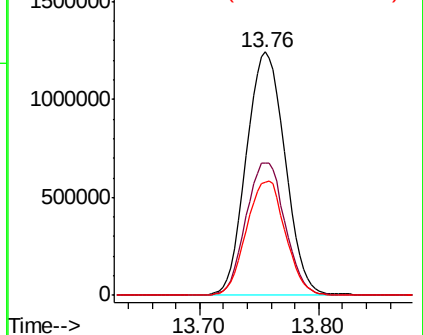
103 47.3 38.0 57.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.683 ppbv

RT: 14.89 min Scan# 4294

Delta R.T. -0.00 min

Lab File: VL032380.D

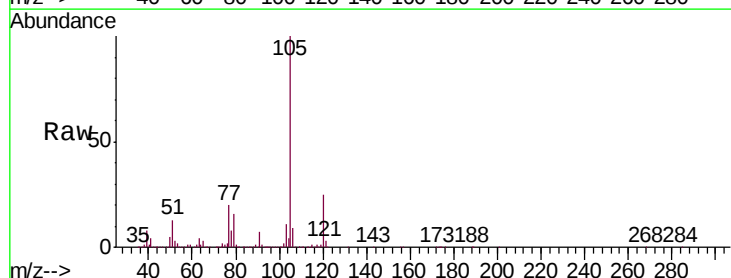
Acq: 16 Aug 2018 17:02

Tgt Ion:105 Resp: 5315775

Ion Ratio Lower Upper

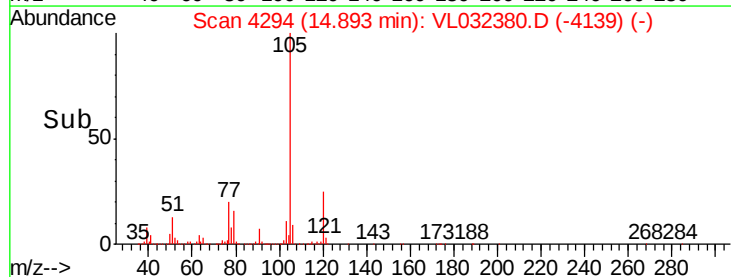
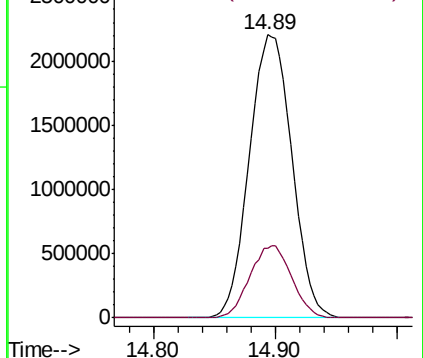
105 100

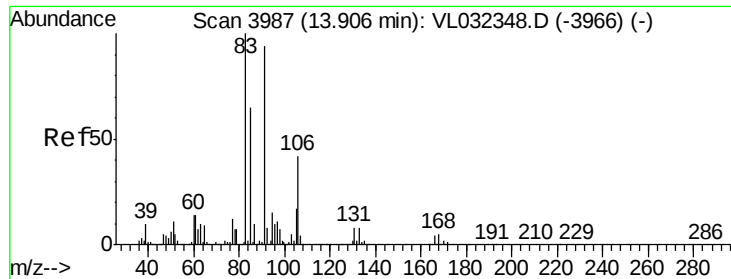
120 25.1 20.6 30.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

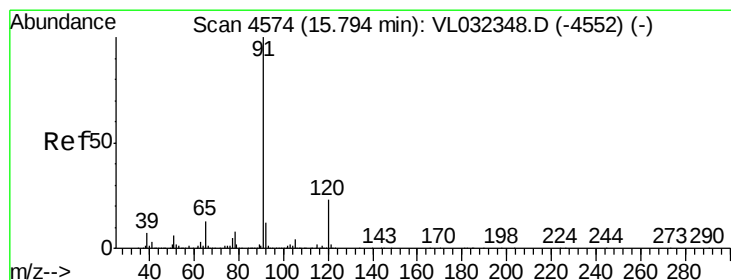
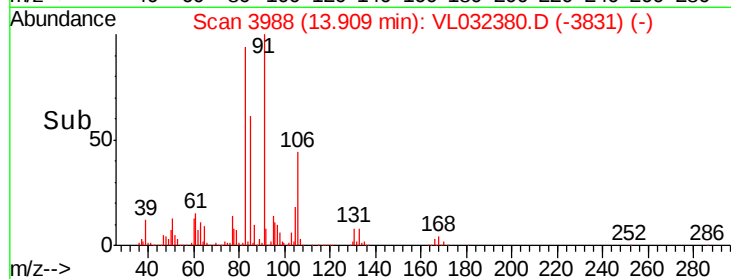
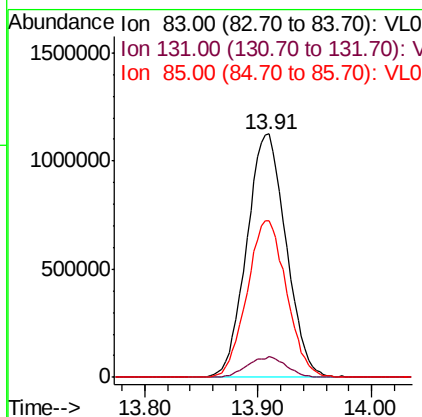
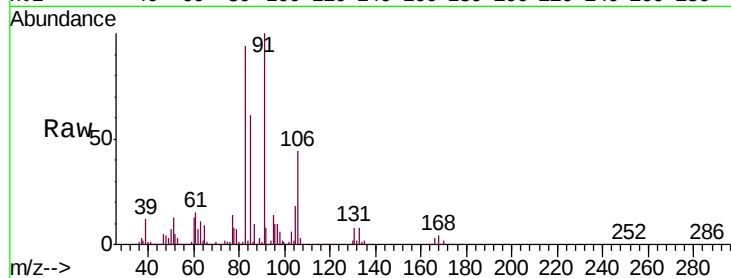




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.523 ppbv
 RT: 13.91 min Scan# 3988
 Delta R.T. 0.00 min
 Lab File: VL032380.D
 Acq: 16 Aug 2018 17:02

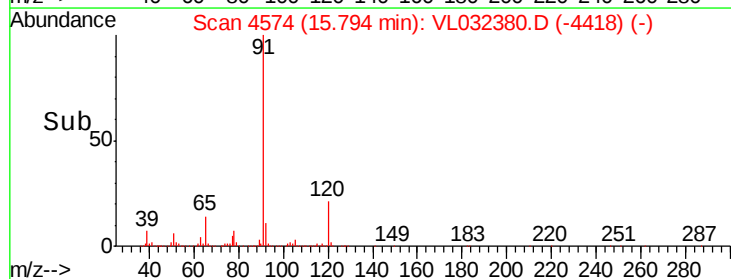
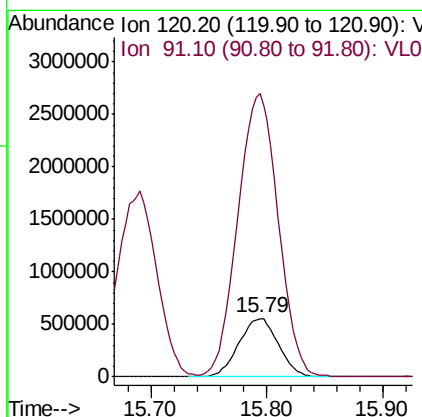
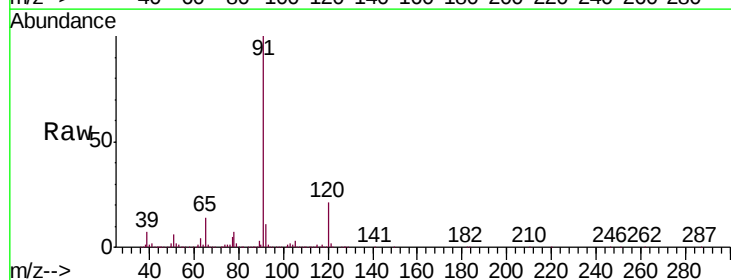
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0816ABS01

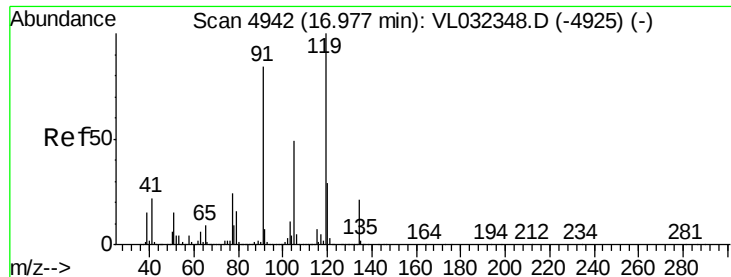
Tgt Ion: 83 Resp: 2720709
 Ion Ratio Lower Upper
 83 100
 131 8.4 4.3 12.8
 85 64.8 32.4 97.2



#64
 n-propylbenzene
 Concen: 8.331 ppbv
 RT: 15.79 min Scan# 4574
 Delta R.T. 0.00 min
 Lab File: VL032380.D
 Acq: 16 Aug 2018 17:02

Tgt Ion: 120 Resp: 1320028
 Ion Ratio Lower Upper
 120 100
 91 496.3 382.2 573.2

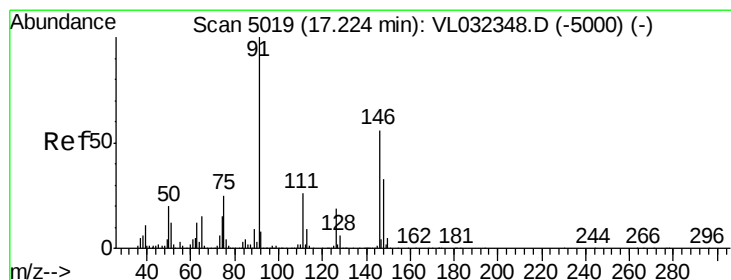
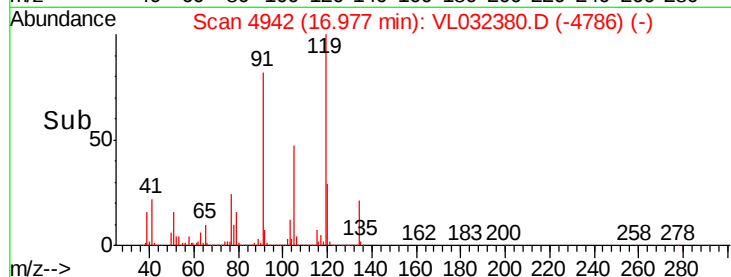
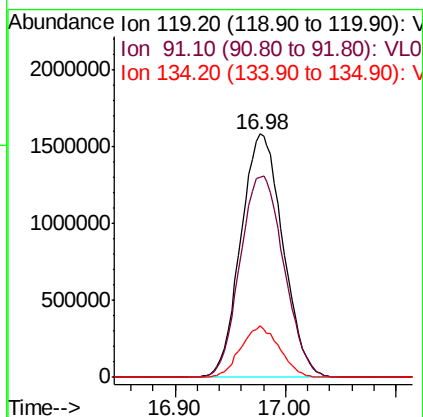
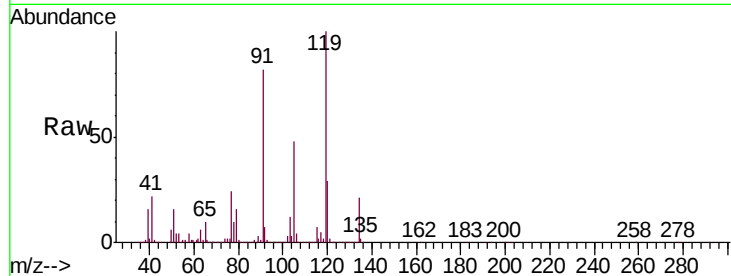




#65
 tert-Butylbenzene
 Concen: 7.999 ppbv
 RT: 16.98 min Scan# 4942
 Delta R.T. 0.00 min
 Lab File: VL032380.D
 Acq: 16 Aug 2018 17:02

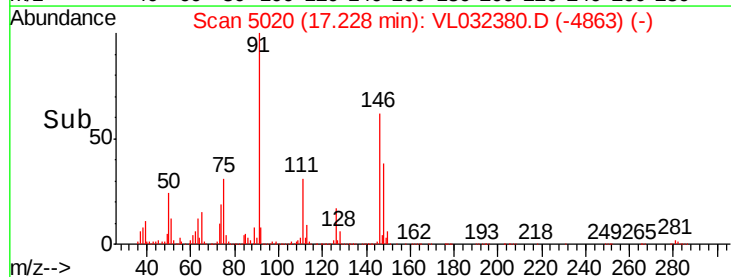
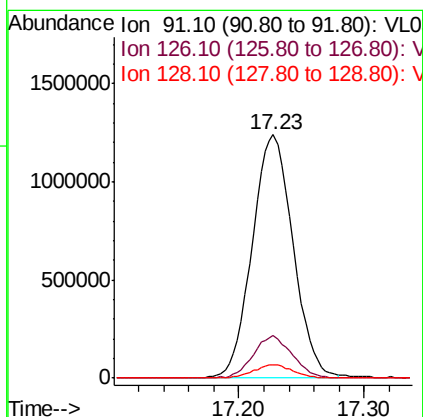
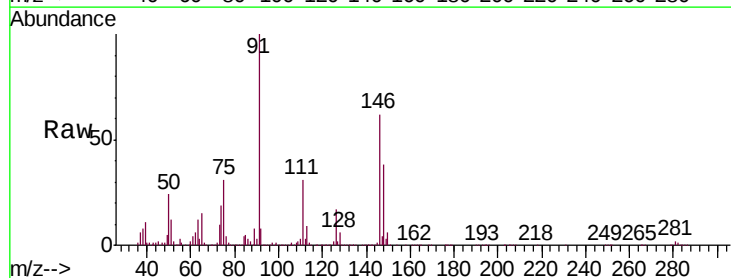
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0816ABS01

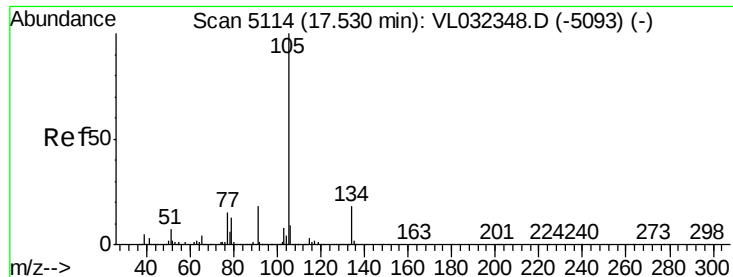
Tgt Ion: 119 Resp: 4183422
 Ion Ratio Lower Upper
 119 100
 91 86.4 67.4 101.0
 134 19.4 15.8 23.6



#66
 Benzyl Chloride
 Concen: 9.046 ppbv
 RT: 17.23 min Scan# 5020
 Delta R.T. 0.00 min
 Lab File: VL032380.D
 Acq: 16 Aug 2018 17:02

Tgt Ion: 91 Resp: 2801149
 Ion Ratio Lower Upper
 91 100
 126 16.9 14.2 21.4
 128 5.3 4.5 6.7

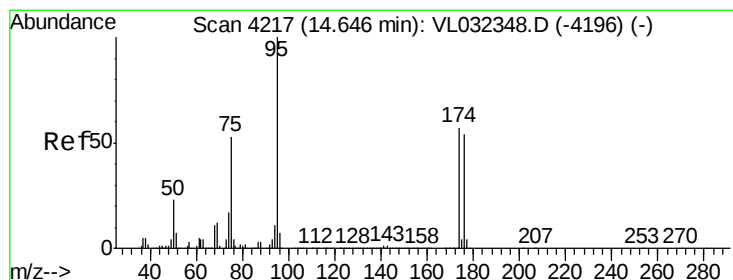
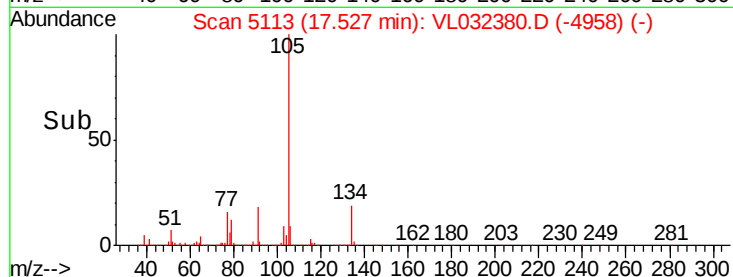
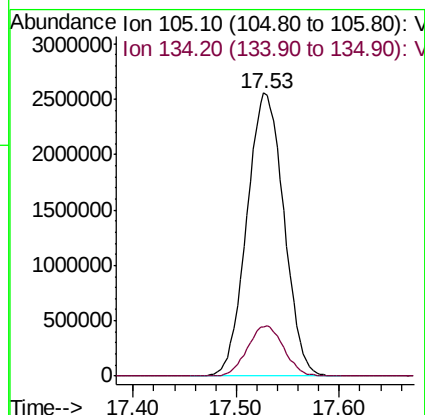
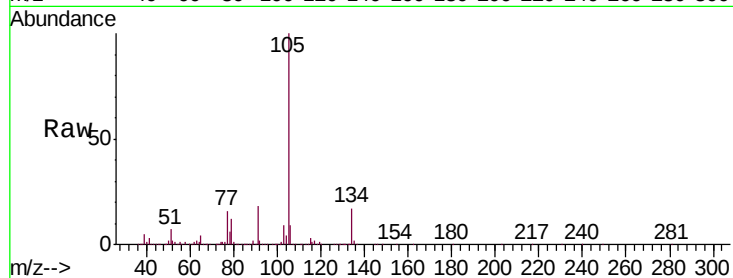




#67
 sec-Butylbenzene
 Concen: 8.196 ppbv
 RT: 17.53 min Scan# 5113
 Delta R.T. -0.00 min
 Lab File: VL032380.D
 Acq: 16 Aug 2018 17:02

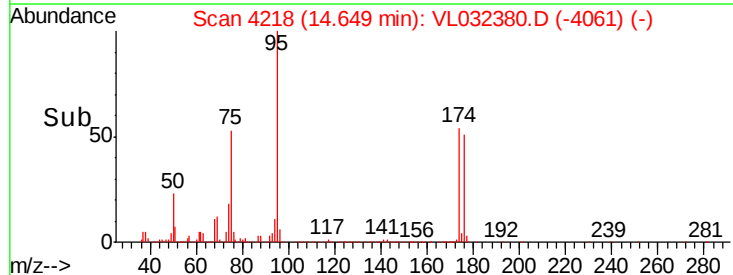
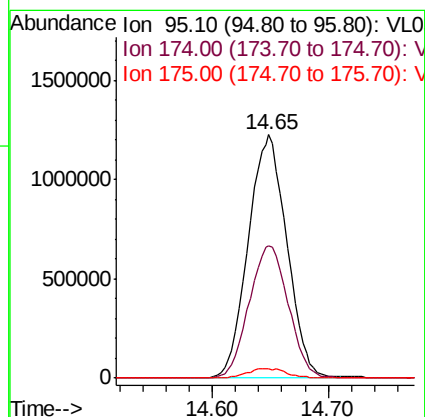
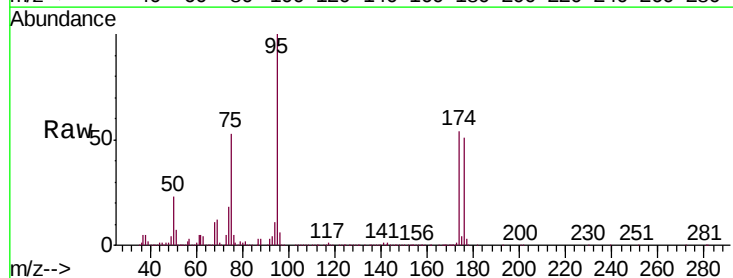
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0816ABS01

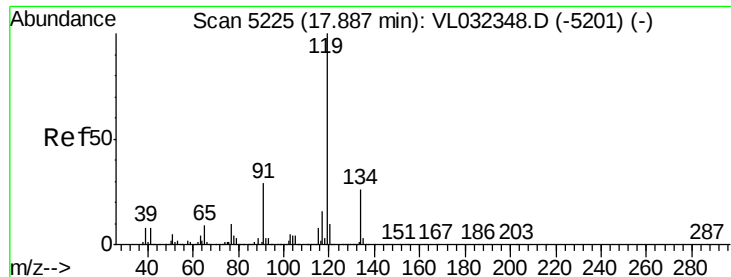
Tgt Ion: 105 Resp: 6373436
 Ion Ratio Lower Upper
 105 100
 134 17.4 14.4 21.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.670 ppbv
 RT: 14.65 min Scan# 4218
 Delta R.T. 0.00 min
 Lab File: VL032380.D
 Acq: 16 Aug 2018 17:02

Tgt Ion: 95 Resp: 2831850
 Ion Ratio Lower Upper
 95 100
 174 55.8 46.2 69.4
 175 4.1 3.4 5.0

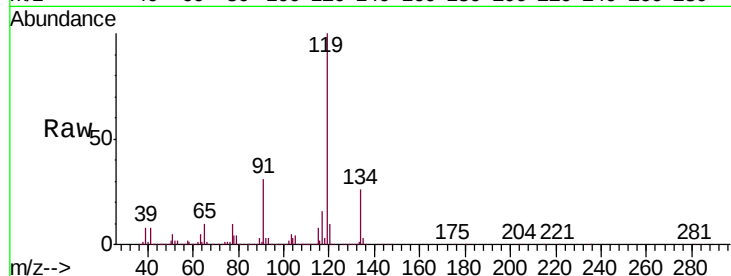




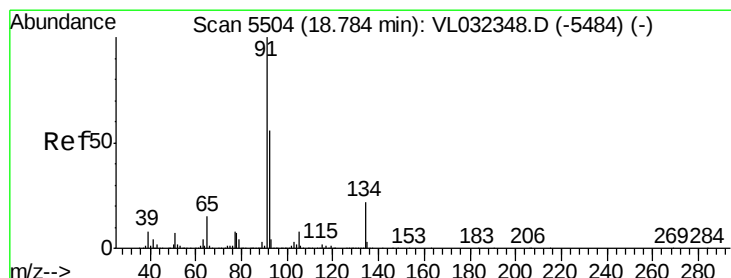
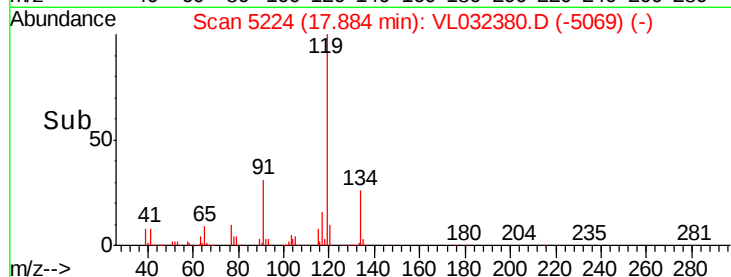
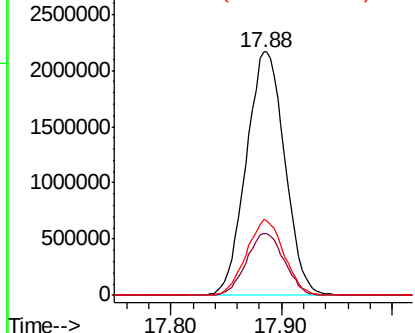
#69
p-Isopropyltoluene
Concen: 8.786 ppbv
RT: 17.88 min Scan# 5224
Delta R.T. -0.00 min
Lab File: VL032380.D
Acq: 16 Aug 2018 17:02

Instrument :
MSVOA_L
ClientSampleId :
VL0816ABS01

Tgt Ion: 119 Resp: 5229041
Ion Ratio Lower Upper
119 100
134 25.1 20.4 30.6
91 30.3 23.6 35.4

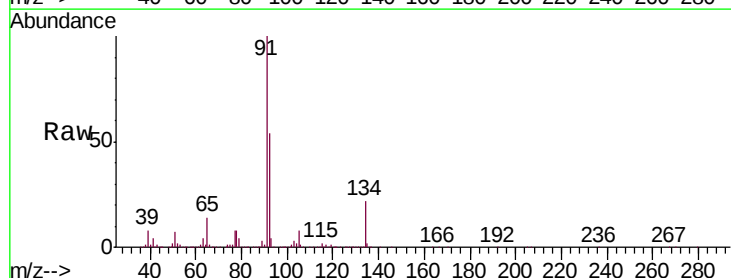


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

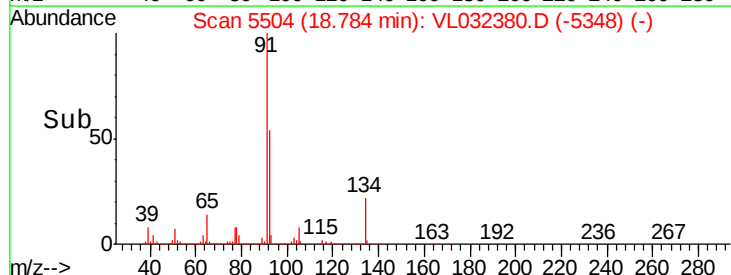
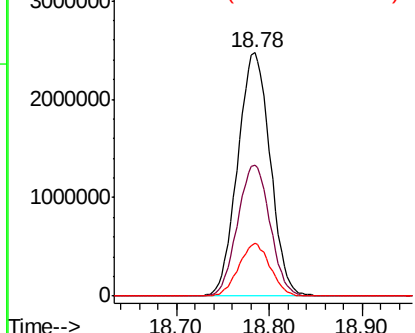


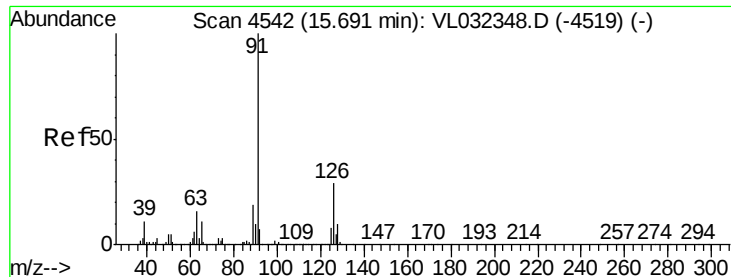
#70
n-Butylbenzene
Concen: 9.199 ppbv
RT: 18.78 min Scan# 5504
Delta R.T. 0.00 min
Lab File: VL032380.D
Acq: 16 Aug 2018 17:02

Tgt Ion: 91 Resp: 6002424
Ion Ratio Lower Upper
91 100
92 53.9 43.9 65.9
134 21.0 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: 8.822 ppbv

RT: 15.69 min Scan# 4542

Delta R.T. 0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

Instrument :

MSVOA_L

ClientSampleId :

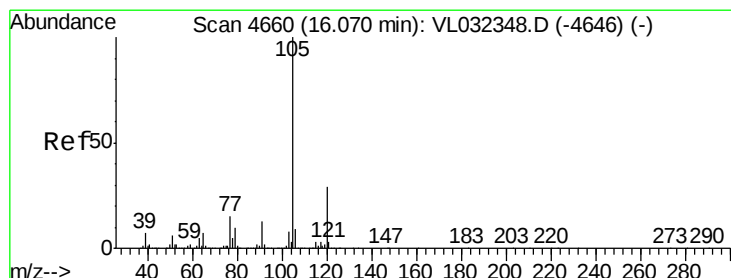
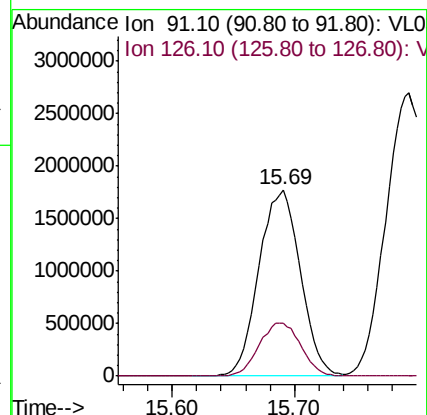
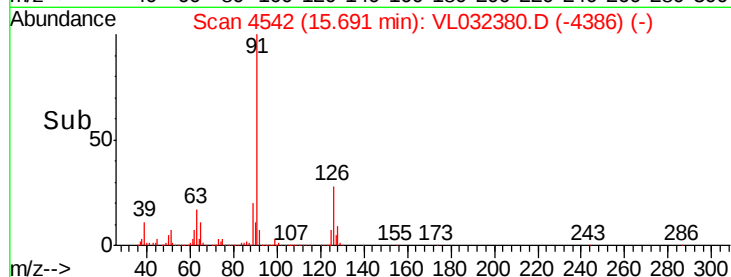
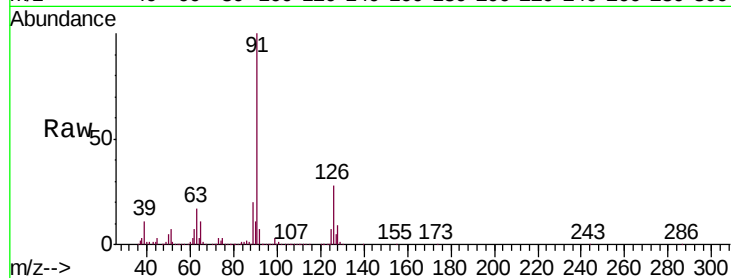
VL0816ABS01

Tgt Ion: 91 Resp: 4179959

Ion Ratio Lower Upper

91 100

126 28.9 11.8 47.2



#72

4-Ethyltoluene

Concen: 8.900 ppbv

RT: 16.07 min Scan# 4660

Delta R.T. 0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

Tgt Ion: 105 Resp: 4269610

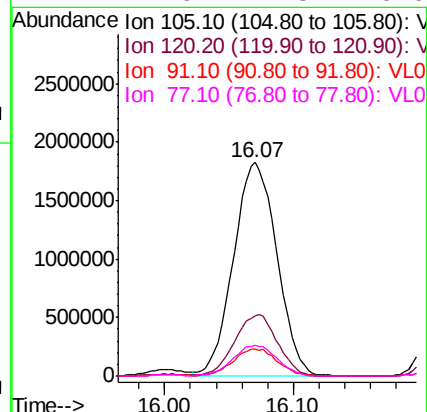
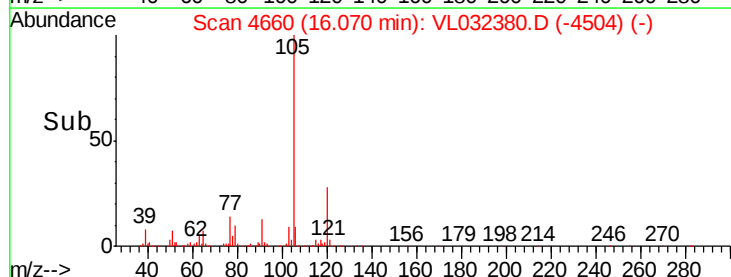
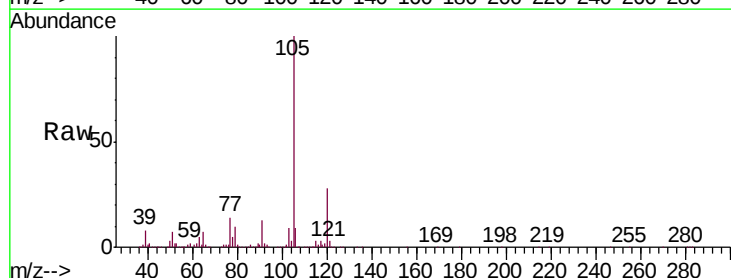
Ion Ratio Lower Upper

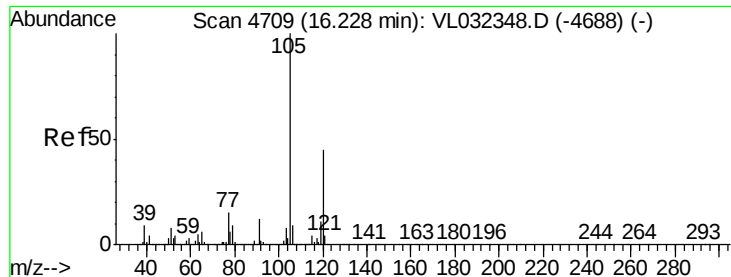
105 100

120 28.5 23.4 35.0

91 13.5 10.0 15.0

77 14.6 11.3 16.9





#73

1,3,5-Trimethylbenzene

Concen: 8.695 ppbv

RT: 16.23 min Scan# 4710

Delta R.T. 0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

Instrument :

MSVOA_L

ClientSampleId :

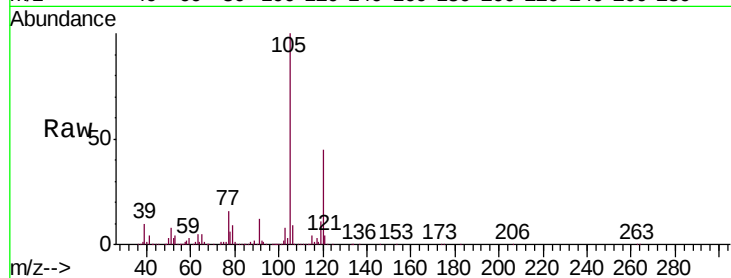
VL0816ABS01

Tgt Ion:105 Resp: 4011750

Ion Ratio Lower Upper

105 100

120 44.8 36.3 54.5



Abundance Ion 105.10 (104.80 to 105.80): V

2000000 Ion 120.20 (119.90 to 120.90): V

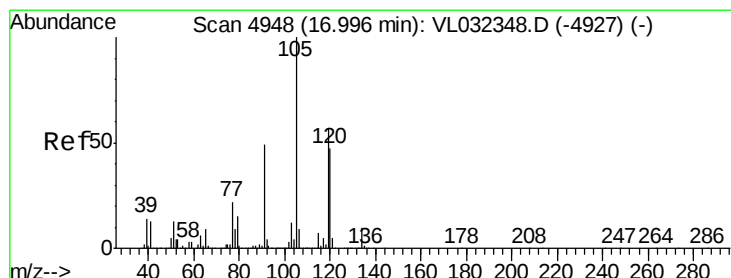
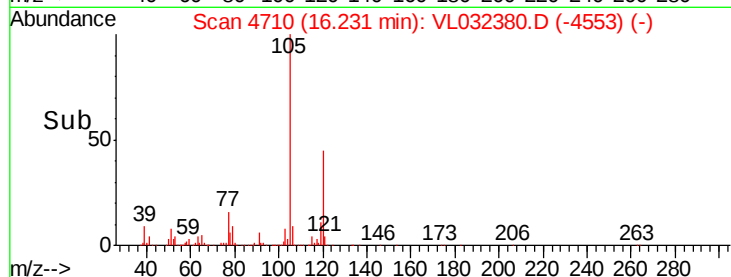
1500000

1000000

500000

0

Time--> 16.10 16.20 16.30



#74

1,2,4-Trimethylbenzene

Concen: 8.149 ppbv

RT: 17.00 min Scan# 4948

Delta R.T. 0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

Tgt Ion:105 Resp: 4000937

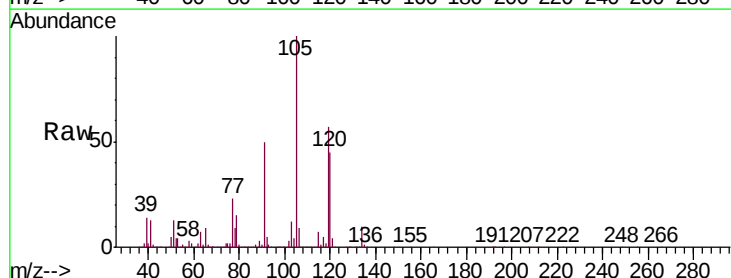
Ion Ratio Lower Upper

105 100

120 45.4 37.6 56.4

91 49.6 39.9 59.9

77 22.6 17.8 26.8



Abundance Ion 105.10 (104.80 to 105.80): V

2500000 Ion 120.20 (119.90 to 120.90): V

2000000 Ion 91.10 (90.80 to 91.80): VLO

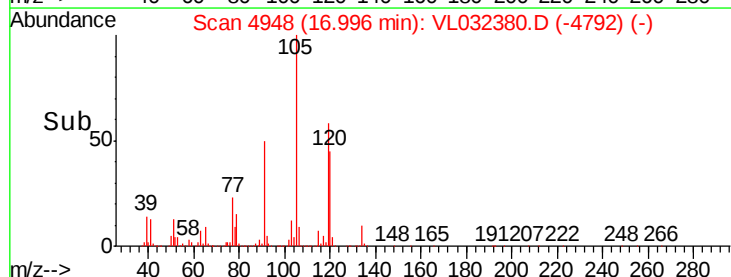
1500000 Ion 77.10 (76.80 to 77.80): VLO

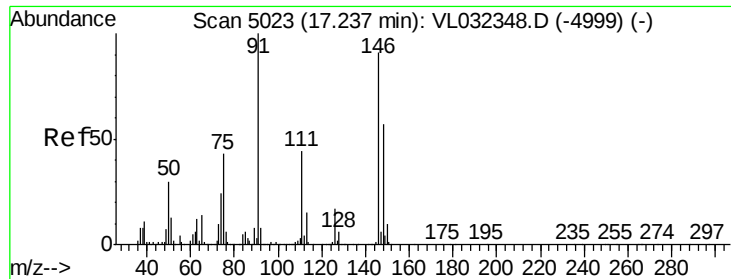
1000000

500000

0

Time--> 16.90 17.00 17.10





#75

1,3-Dichlorobenzene

Concen: 7.525 ppbv

RT: 17.23 min Scan# 5022

Delta R.T. -0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

Instrument :

MSVOA_L

ClientSampleId :

VL0816ABS01

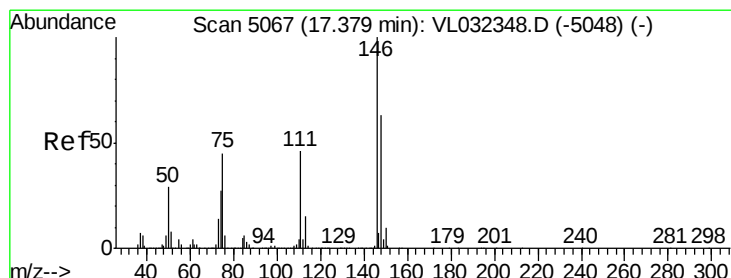
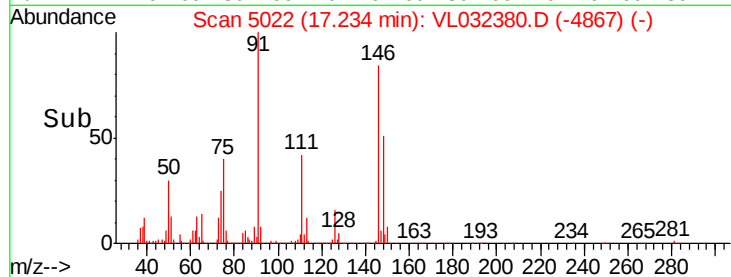
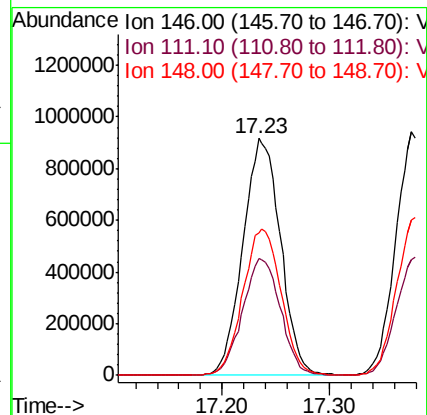
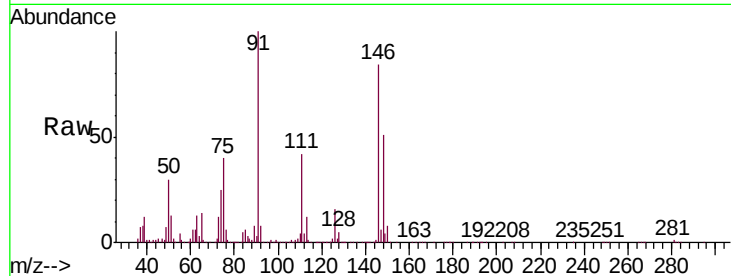
Tgt Ion:146 Resp: 2220137

Ion Ratio Lower Upper

146 100

111 50.1 24.6 73.8

148 63.1 32.0 96.0



#76

1,4-Dichlorobenzene

Concen: 8.069 ppbv

RT: 17.38 min Scan# 5066

Delta R.T. -0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

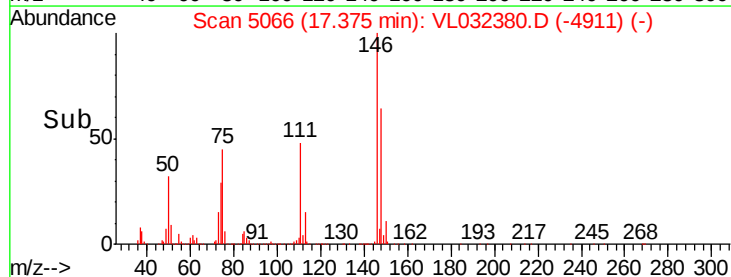
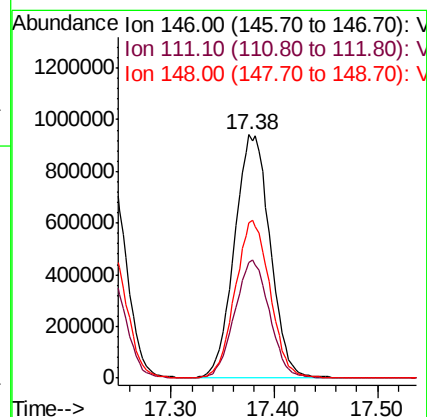
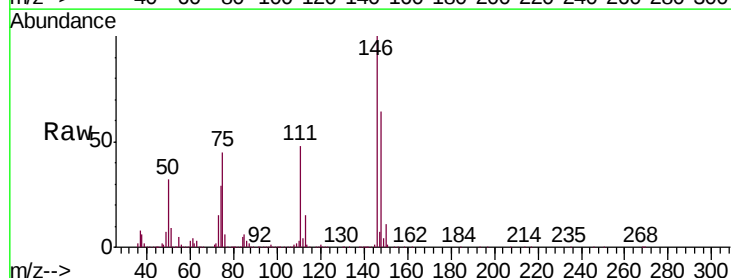
Tgt Ion:146 Resp: 2255043

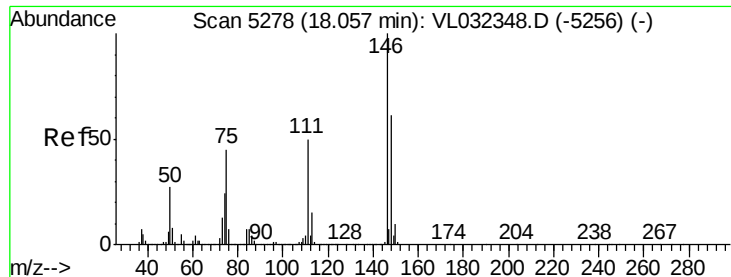
Ion Ratio Lower Upper

146 100

111 47.5 23.8 71.4

148 63.7 32.2 96.6

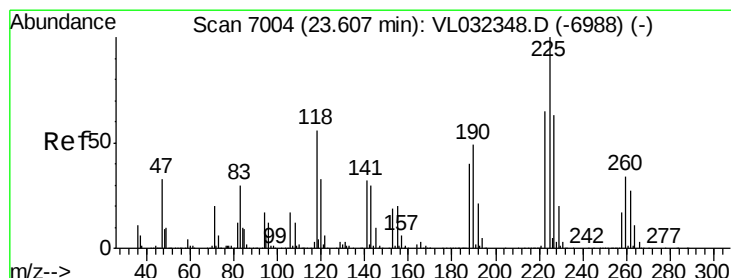
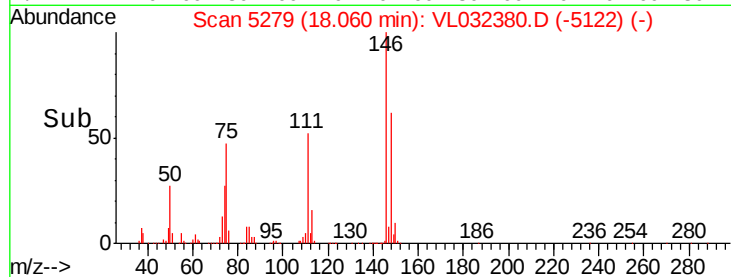
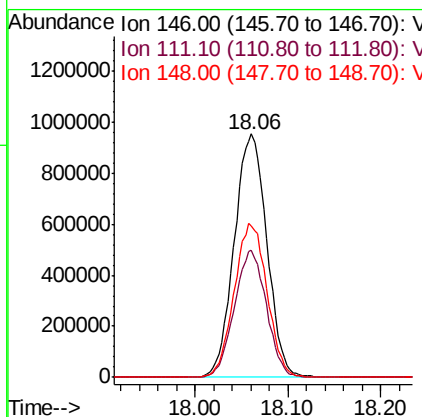
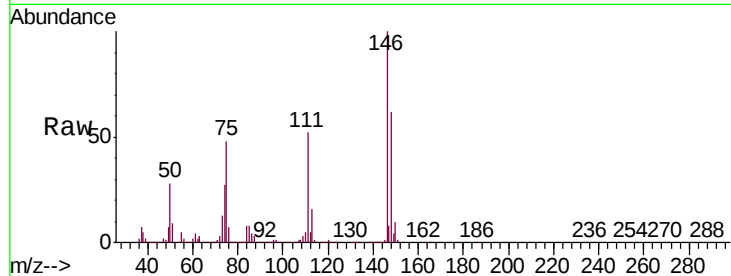




#77
 1,2-Dichlorobenzene
 Concen: 8.264 ppbv
 RT: 18.06 min Scan# 5279
 Delta R.T. 0.00 min
 Lab File: VL032380.D
 Acq: 16 Aug 2018 17:02

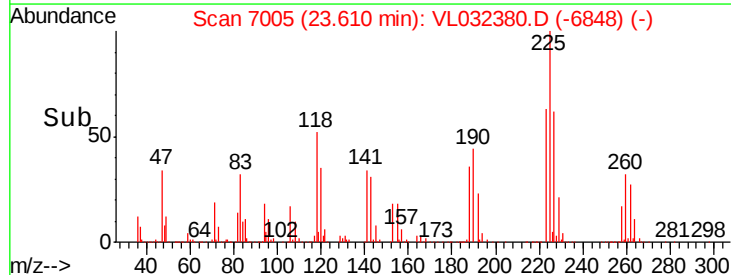
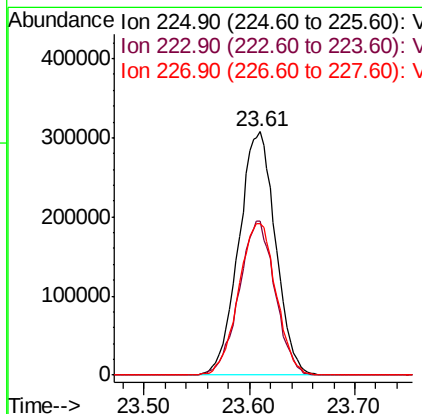
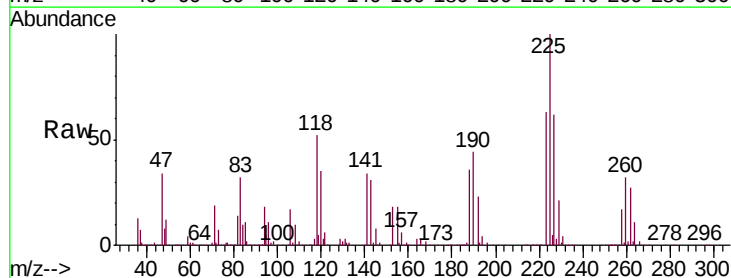
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0816ABS01

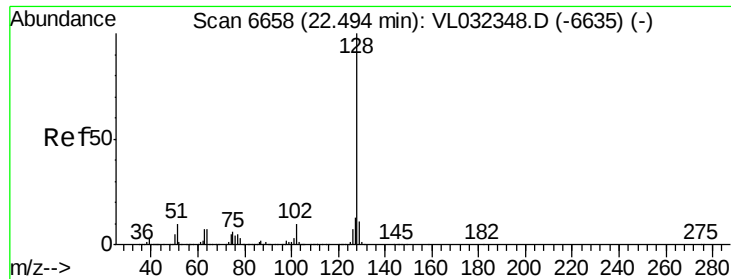
Tgt Ion:146 Resp: 2329700
 Ion Ratio Lower Upper
 146 100
 111 51.4 25.2 75.6
 148 63.7 31.8 95.4



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.869 ppbv
 RT: 23.61 min Scan# 7005
 Delta R.T. 0.00 min
 Lab File: VL032380.D
 Acq: 16 Aug 2018 17:02

Tgt Ion:225 Resp: 744578
 Ion Ratio Lower Upper
 225 100
 223 61.9 50.6 76.0
 227 63.5 51.0 76.6





#79

Naphthalene

Concen: 8.740 ppbv

RT: 22.49 min Scan# 6657

Delta R.T. -0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

Instrument :

MSVOA_L

ClientSampleId :

VL0816ABS01

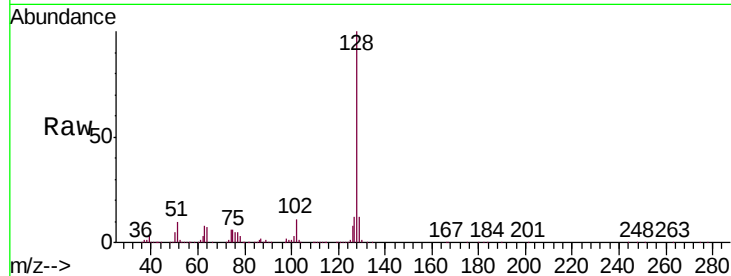
Tgt Ion:128 Resp: 3993606

Ion Ratio Lower Upper

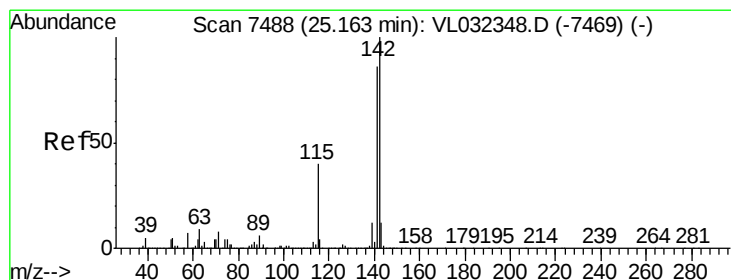
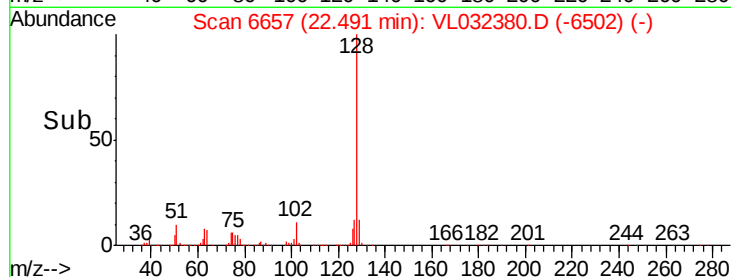
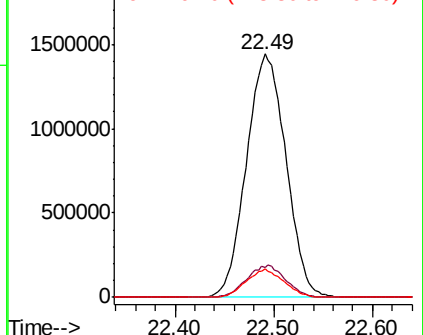
128 100

127 12.4 10.3 15.5

129 11.8 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: 16.417 ppbv

RT: 25.17 min Scan# 7489

Delta R.T. 0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

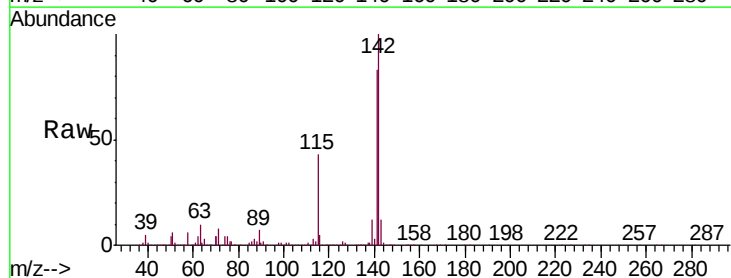
Tgt Ion:142 Resp: 1608029

Ion Ratio Lower Upper

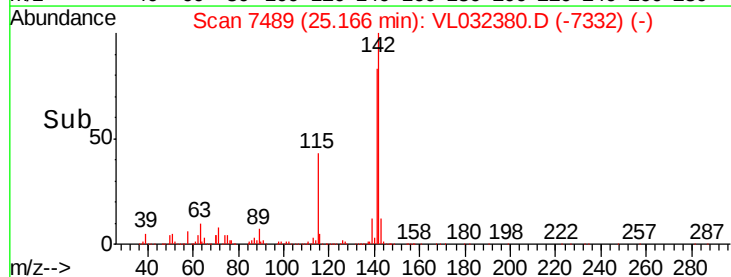
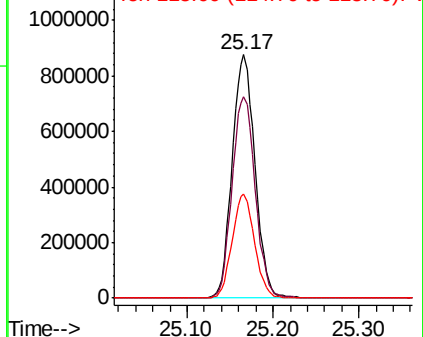
142 100

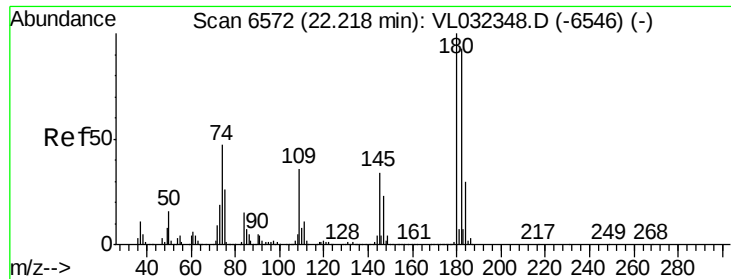
141 84.3 66.7 100.1

115 42.1 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

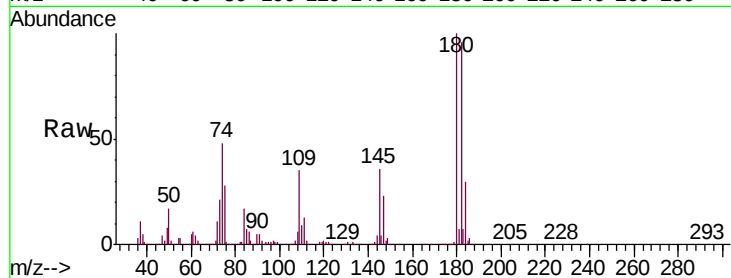




#81
 1,2,4-Trichlorobenzene
 Concen: 9.845 ppbv
 RT: 22.22 min Scan# 6573
 Delta R.T. 0.00 min
 Lab File: VL032380.D
 Acq: 16 Aug 2018 17:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0816ABS01

Tgt Ion:180 Resp: 1869161
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.1 114.1
 184 30.2 24.2 36.2



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

