

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071818\
 Data File : VL032288.D
 Acq On : 19 Jul 2018 9:01
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 20 01:30:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL071818AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 18 14:38:53 2018
 QLast Update : Wed Jul 18 14:38:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.84	49	1629487	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.38	114	3607234	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.33	117	5338304	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.67	95	3306548	7.64	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	76.40%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.13	85	1928821	6.962	ppbv	99
3) Chlorodifluoromethane	3.06	51	1814535	9.923	ppbv	98
4) Chloromethane	3.22	50	1115238	10.358	ppbv	98
5) Vinyl Chloride	3.34	62	1017773	9.971	ppbv	98
6) Bromomethane	3.57	94	561612	10.094	ppbv	99
7) Chloroethane	3.66	64	363174	10.034	ppbv	99
8) Dichlorotetrafluoroethane	3.27	85	2126981	9.405	ppbv	100
9) Propene	3.09	41	889470	11.129	ppbv	99
10) Heptane	8.33	43	2720828	10.713	ppbv	98
11) Trichlorofluoromethane	4.06	101	2023936	9.343	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.62	101	1324797	9.590	ppbv	98
13) Ethanol	3.71	45	223366	9.782	ppbv	100
14) Bromoethene	3.85	108	628395	10.089	ppbv	99
15) Acetone	3.96	43	1589827	9.322	ppbv	99
16) 1,3-Butadiene	3.41	39	887450	10.216	ppbv	99
17) tert-Butyl alcohol	4.42	59	564404	10.494	ppbv	100
18) 1,1-Dichloroethene	4.42	96	644178	9.983	ppbv	99
19) Isopropyl Alcohol	4.08	45	1244994	10.793	ppbv	100
20) Methylene Chloride	4.47	84	568485	8.658	ppbv	98
21) Allyl Chloride	4.54	41	1169014	10.407	ppbv	99
22) trans-1,2-Dichloroethene	5.03	96	675692	10.086	ppbv	99
23) Vinyl Acetate	5.22	43	3321762	10.860	ppbv	99
24) 1,1-Dichloroethane	5.16	63	2200501	9.918	ppbv	99
25) Ethyl Acetate	5.84	43	3743724	10.078	ppbv	100
26) Hexane	5.86	57	1705419	9.996	ppbv	100
27) Carbon Disulfide	4.69	76	1660662	10.993	ppbv	100
28) Methyl tert-Butyl Ether	5.18	73	2580763	10.203	ppbv	100
29) Chloroform	5.93	83	2451992	9.748	ppbv	99
30) Cyclohexane	7.33	84	1480982	10.346	ppbv	99
31) cis-1,2-Dichloroethene	5.72	61	1728353	10.567	ppbv	99
32) 1,1,1-Trichloroethane	6.70	97	2441448	9.593	ppbv	98
34) 2-Butanone	5.40	43	2649494	10.704	ppbv	99
35) Carbon Tetrachloride	7.22	117	2351164	9.477	ppbv	100
36) Benzene	7.09	78	3524991	9.927	ppbv	99
37) 1,2-Dichloroethane	6.49	62	2044471	9.747	ppbv	100
38) Trichloroethene	8.05	130	1168279	9.946	ppbv	99
39) 1,2-Dichloropropane	7.82	63	1431162	10.181	ppbv	98
40) 1,4-Dioxane	8.04	88	480099	11.563	ppbv #	23
41) Tetrahydrofuran	6.22	42	1599753	11.079	ppbv	98
42) Bromodichloromethane	8.00	83	2659268	10.070	ppbv	98
43) Methyl Methacrylate	8.22	69	1618364	11.121	ppbv	98

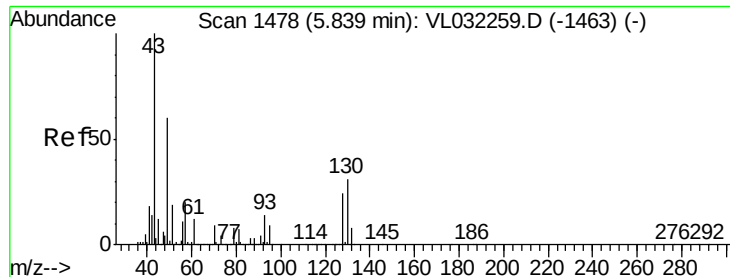
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071818\
 Data File : VL032288.D
 Acq On : 19 Jul 2018 9:01
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 20 01:30:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL071818AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 18 14:38:53 2018
 QLast Update : Wed Jul 18 14:38:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.08	57	6235393	10.076	ppbv	99
45) t-1,3-Dichloropropene	9.50	75	1922067	11.209	ppbv	98
46) cis-1,3-Dichloropropene	8.92	75	2639226	12.068	ppbv	98
47) 1,1,2-Trichloroethane	9.71	97	1422474	9.364	ppbv	97
48) Dibromochloromethane	10.54	129	2167430	9.782	ppbv	100
49) Bromoform	13.30	173	2075950	10.737	ppbv	100
50) 4-Methyl-2-Pentanone	8.96	43	4655968	11.431	ppbv	99
51) 2-Hexanone	10.36	43	3250606	10.469	ppbv #	99
52) Tetrachloroethene	11.47	164	1238201	10.210	ppbv	96
53) Toluene	10.04	91	4670265	10.849	ppbv	100
54) 1,2-Dibromoethane	10.85	107	2364536	10.550	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.37	131	1838155	7.731	ppbv	98
57) Chlorobenzene	12.40	112	3386784	7.734	ppbv	99
58) Ethyl Benzene	12.95	91	6283035	8.352	ppbv	100
59) m/p-Xylene	13.24	91	4971678	7.747	ppbv #	27
60) o-Xylene	13.94	91	4903514	7.672	ppbv	99
61) Styrene	13.77	104	3971778	8.369	ppbv	99
62) Isopropylbenzene	14.92	105	6962966	7.600	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.93	83	3610195	6.625	ppbv	100
64) n-propylbenzene	15.81	120	1796866	7.638	ppbv	97
65) tert-Butylbenzene	17.00	119	5635433	7.219	ppbv	100
66) Benzyl Chloride	17.25	91	3696799	8.411	ppbv	99
67) sec-Butylbenzene	17.55	105	8498933	7.297	ppbv	100
69) p-Isopropyltoluene	17.91	119	6755806	7.509	ppbv	99
70) n-Butylbenzene	18.80	91	7485659	7.459	ppbv	100
71) 2-Chlorotoluene	15.71	91	5544593	7.550	ppbv	99
72) 4-Ethyltoluene	16.09	105	5793881	7.847	ppbv	100
73) 1,3,5-Trimethylbenzene	16.25	105	5485243	7.598	ppbv	99
74) 1,2,4-Trimethylbenzene	17.02	105	5404877	7.152	ppbv	94
75) 1,3-Dichlorobenzene	17.26	146	2955822	7.039	ppbv	99
76) 1,4-Dichlorobenzene	17.40	146	3024181	7.261	ppbv	100
77) 1,2-Dichlorobenzene	18.08	146	2920180	7.194	ppbv	99
78) Hexachloro-1,3-Butadiene	23.63	225	1781354	13.537	ppbv	100
79) Naphthalene	22.52	128	5155182	8.123	ppbv	99
80) Naphthalene, 2-methyl-	25.18	142	2345867	8.701	ppbv	99
81) 1,2,4-Trichlorobenzene	22.24	180	2420634	7.822	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.84 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VL032288.D

Acq: 19 Jul 2018 9:01

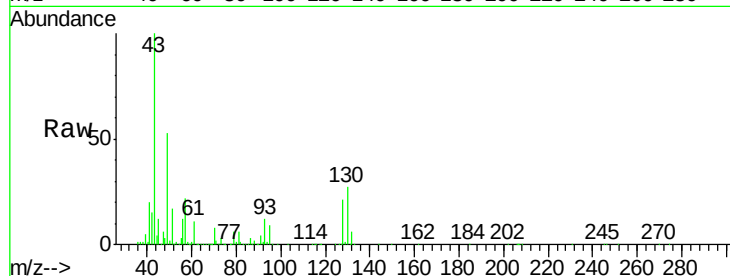
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 49 Resp: 1629487

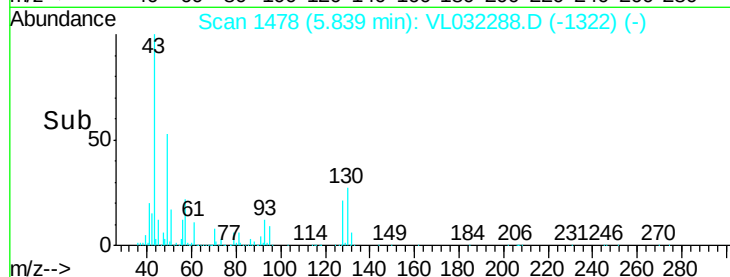
Ion	Ratio	Lower	Upper
49	100		
128	39.6	20.1	60.2
130	51.2	25.9	77.6



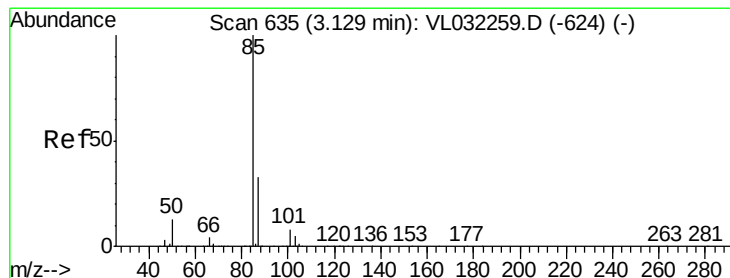
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



Time-->



#2

Dichlorodifluoromethane

Concen: 6.962 ppbv

RT: 3.13 min Scan# 634

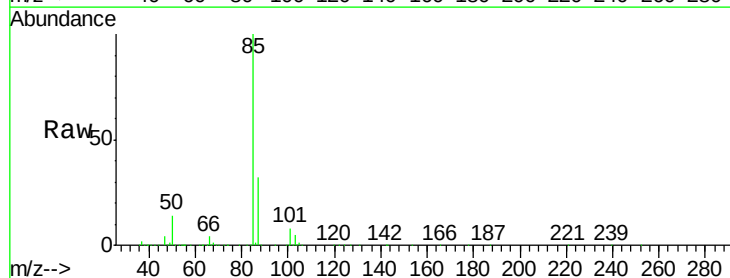
Delta R.T. -0.00 min

Lab File: VL032288.D

Acq: 19 Jul 2018 9:01

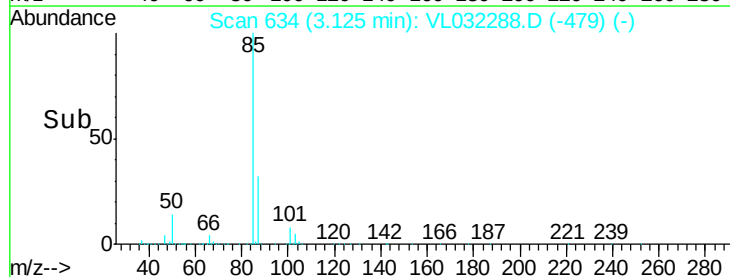
Tgt Ion: 85 Resp: 1928821

Ion	Ratio	Lower	Upper
85	100		
87	32.1	26.2	39.2

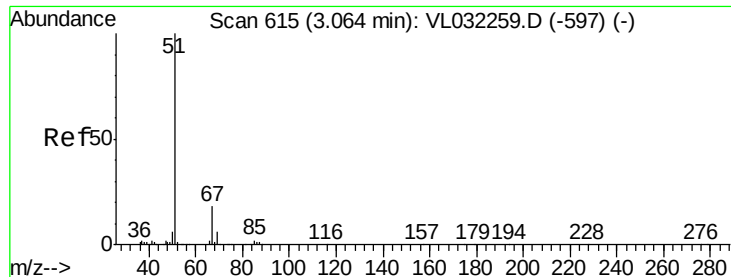


Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0



Time-->



#3

Chlorodifluoromethane

Concen: 9.923 ppbv

RT: 3.06 min Scan# 615

Delta R.T. 0.00 min

Lab File: VL032288.D

Acq: 19 Jul 2018 9:01

Instrument :

MSVOA_L

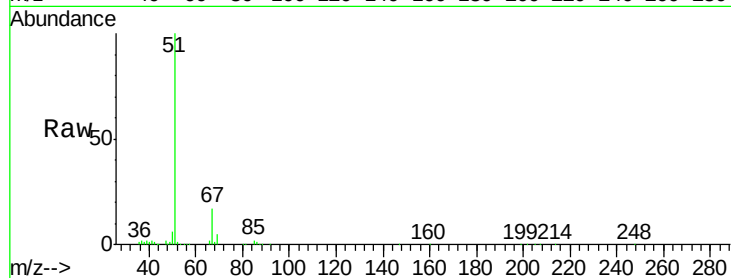
ClientSampleId :

Tot Ion: 51 Resp: 1814535

Ion Ratio Lower Upper

51 100

67 17.1 14.2 21.4



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

3.06

1500000

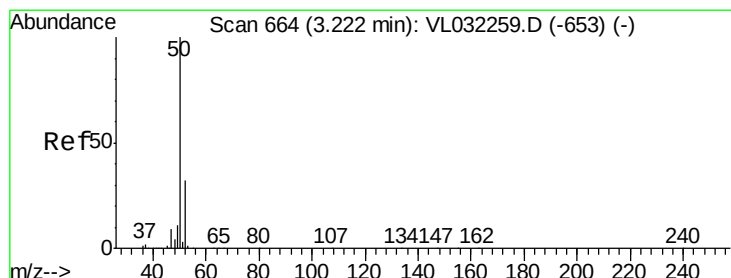
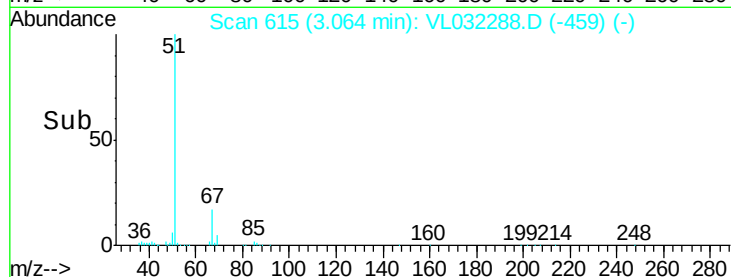
1000000

500000

0

Time-->

3.00 3.10 3.20



#4

Chloromethane

Concen: 10.358 ppbv

RT: 3.22 min Scan# 664

Delta R.T. 0.00 min

Lab File: VL032288.D

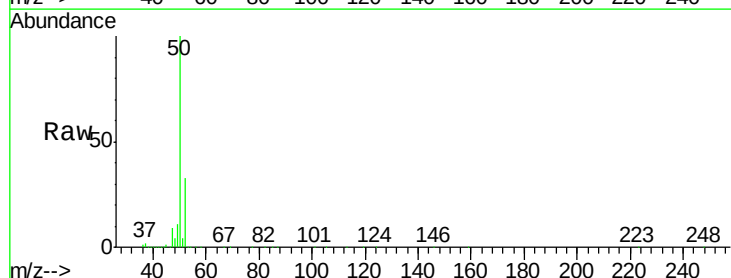
Acq: 19 Jul 2018 9:01

Tgt Ion: 50 Resp: 1115238

Ion Ratio Lower Upper

50 100

52 32.6 25.3 37.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.22

800000

600000

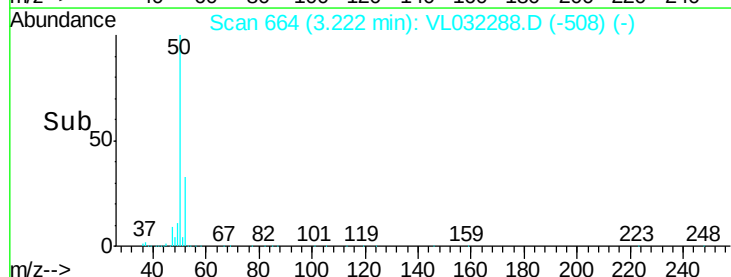
400000

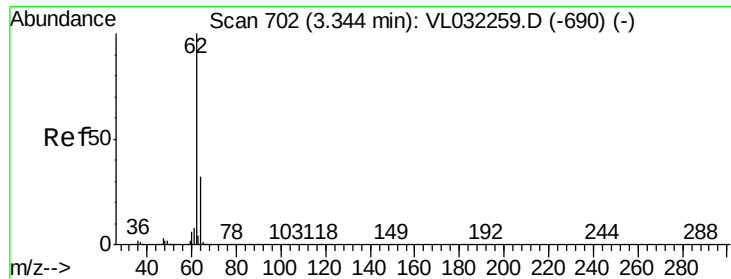
200000

0

Time-->

3.15 3.20 3.25





#5

Vinyl Chloride

Concen: 9.971 ppbv

RT: 3.34 min Scan# 702

Delta R.T. 0.00 min

Lab File: VL032288.D

Acq: 19 Jul 2018 9:01

Instrument :

MSVOA_L

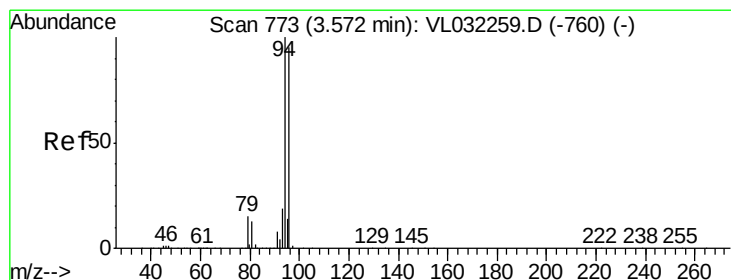
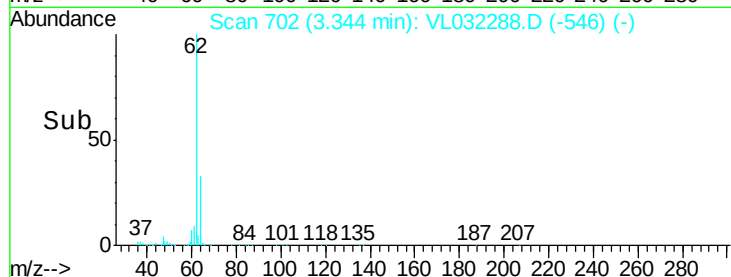
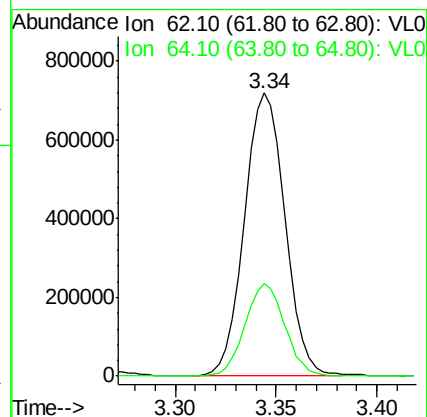
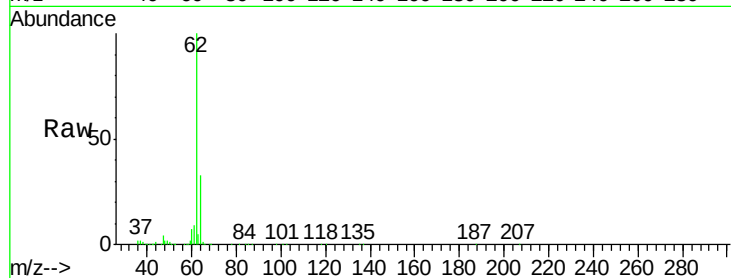
ClientSampleId :

Tot Ion: 62 Resp: 1017773

Ion Ratio Lower Upper

62 100

64 32.5 25.3 37.9



#6

Bromomethane

Concen: 10.094 ppbv

RT: 3.57 min Scan# 772

Delta R.T. -0.00 min

Lab File: VL032288.D

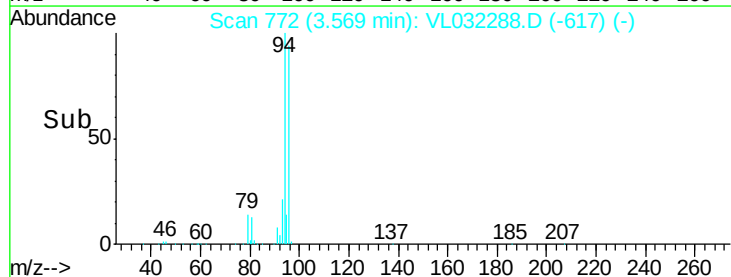
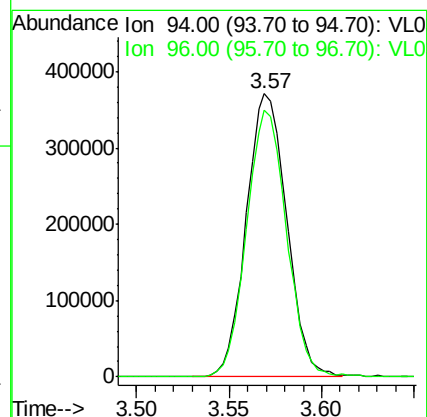
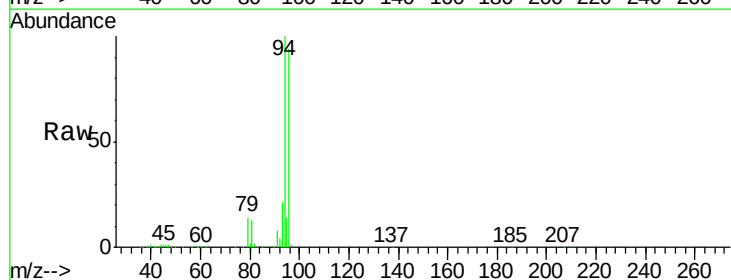
Acq: 19 Jul 2018 9:01

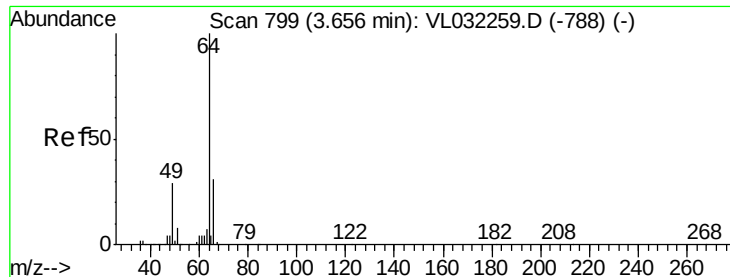
Tgt Ion: 94 Resp: 561612

Ion Ratio Lower Upper

94 100

96 94.3 76.1 114.1





#7

Chloroethane

Concen: 10.034 ppbv

RT: 3.66 min Scan# 800

Delta R.T. 0.00 min

Lab File: VL032288.D

Acq: 19 Jul 2018 9:01

Instrument :

MSVOA_L

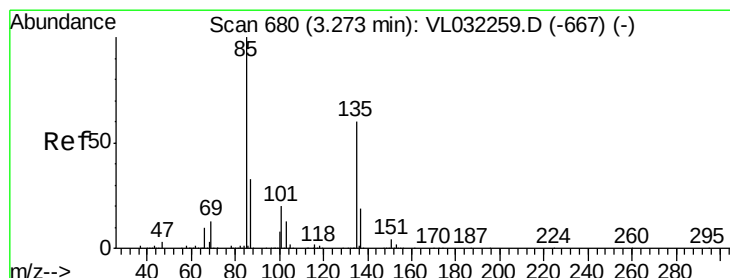
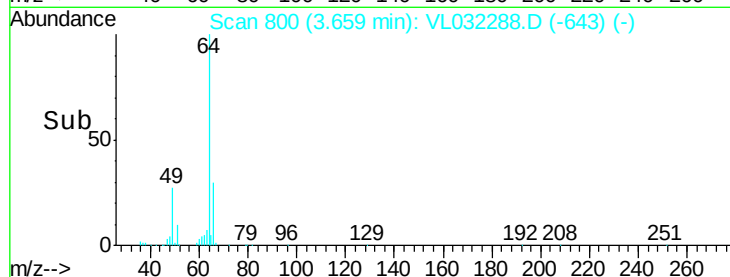
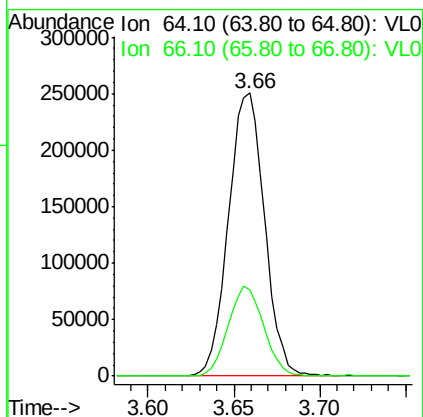
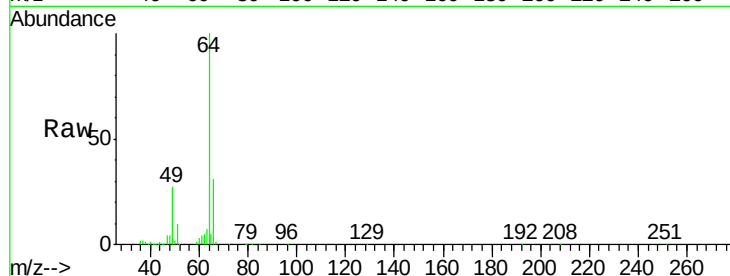
ClientSampleId :

Tot Ion: 64 Resp: 363174

Ion Ratio Lower Upper

64 100

66 30.5 25.0 37.4



#8

Dichlorotetrafluoroethane

Concen: 9.405 ppbv

RT: 3.27 min Scan# 679

Delta R.T. -0.00 min

Lab File: VL032288.D

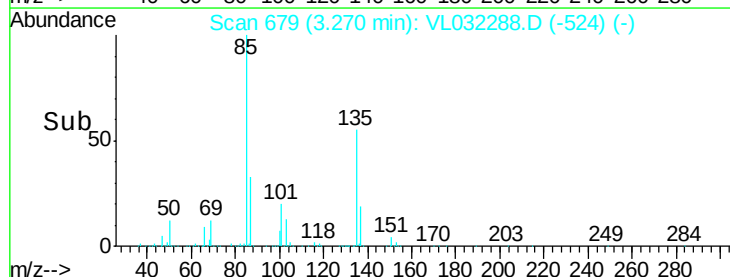
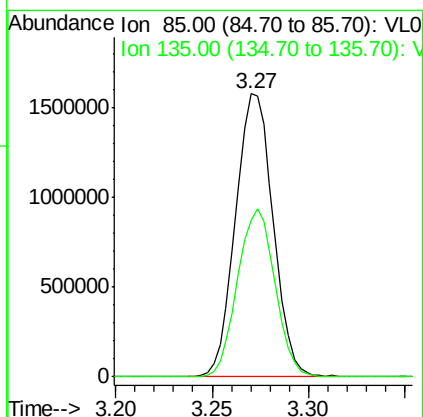
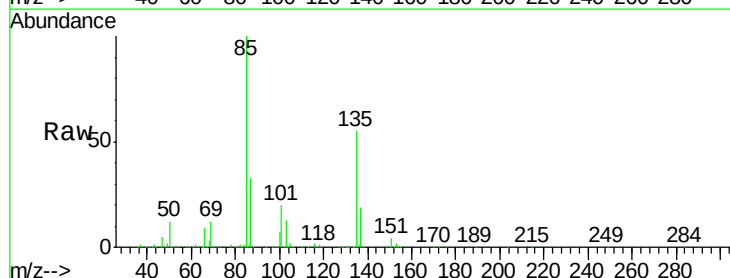
Acq: 19 Jul 2018 9:01

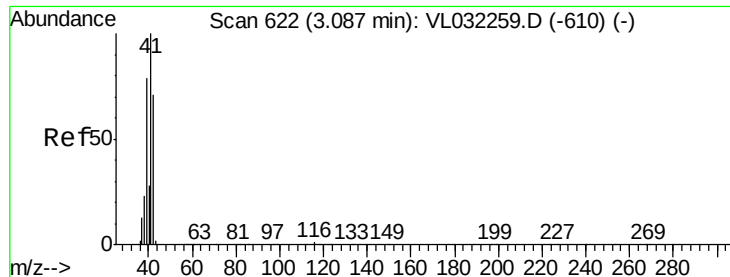
Tgt Ion: 85 Resp: 2126981

Ion Ratio Lower Upper

85 100

135 59.6 47.8 71.8





#9

Propene

Concen: 11.129 ppbv

RT: 3.09 min Scan# 622

Delta R.T. 0.00 min

Lab File: VL032288.D

Acq: 19 Jul 2018 9:01

Instrument :

MSVOA_L

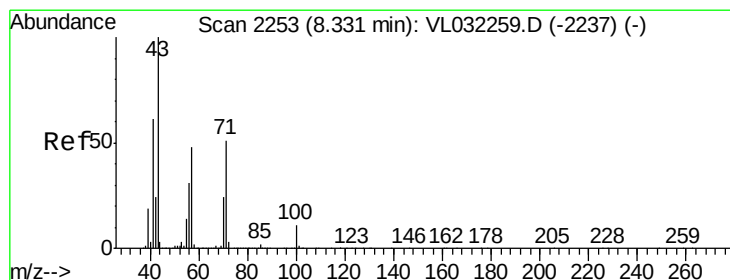
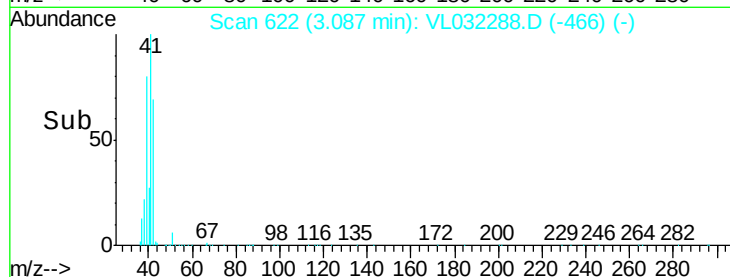
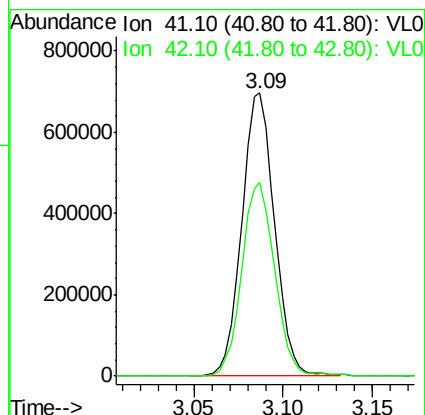
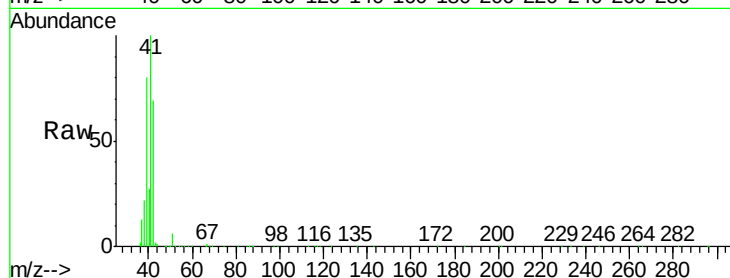
ClientSampleId :

Tot Ion: 41 Resp: 889470

Ion Ratio Lower Upper

41 100

42 69.1 56.2 84.4



#10

Heptane

Concen: 10.713 ppbv

RT: 8.33 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VL032288.D

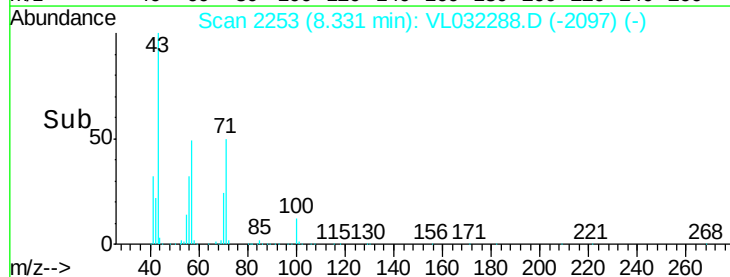
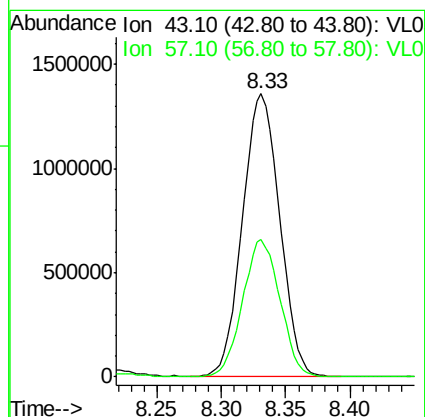
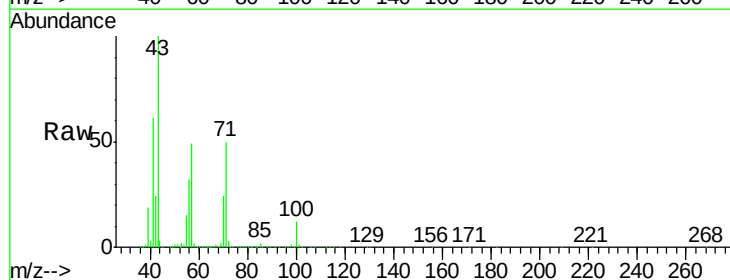
Acq: 19 Jul 2018 9:01

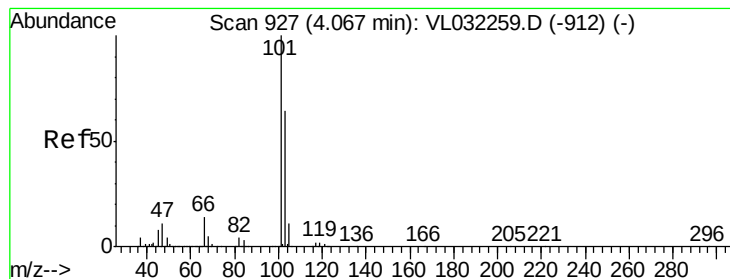
Tgt Ion: 43 Resp: 2720828

Ion Ratio Lower Upper

43 100

57 48.8 39.9 59.9





#11

Trichlorofluoromethane

Concen: 9.343 ppbv

RT: 4.06 min Scan# 926

Delta R.T. -0.00 min

Lab File: VL032288.D

Acq: 19 Jul 2018 9:01

Instrument :

MSVOA_L

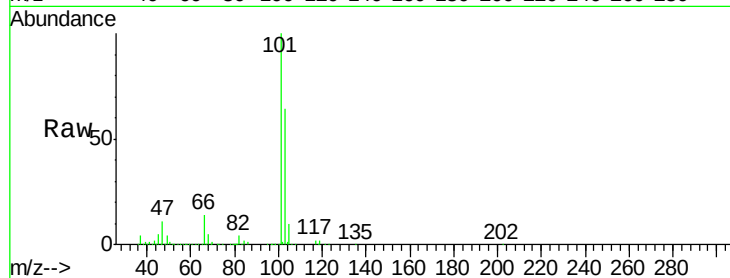
ClientSampled :

Tot Ion:101 Resp: 2023936

Ion Ratio Lower Upper

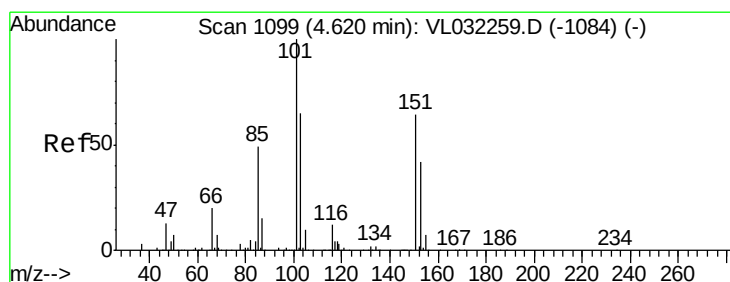
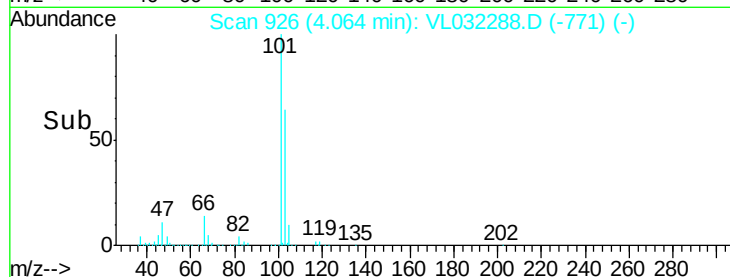
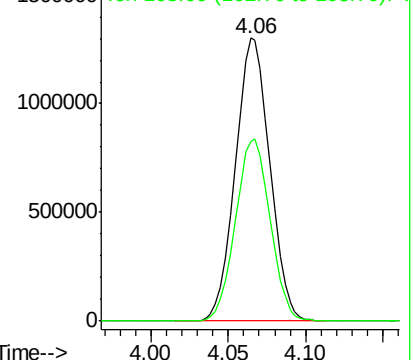
101 100

103 63.6 51.5 77.3



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: 9.590 ppbv

RT: 4.62 min Scan# 1098

Delta R.T. -0.00 min

Lab File: VL032288.D

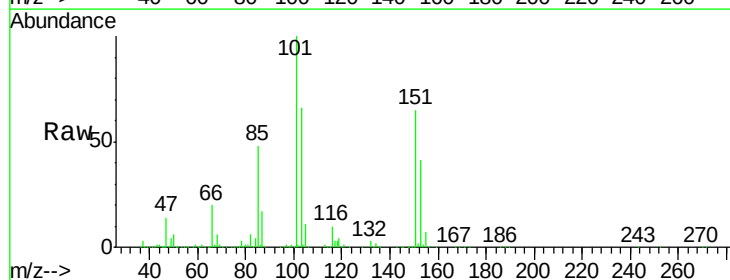
Acq: 19 Jul 2018 9:01

Tgt Ion:101 Resp: 1324797

Ion Ratio Lower Upper

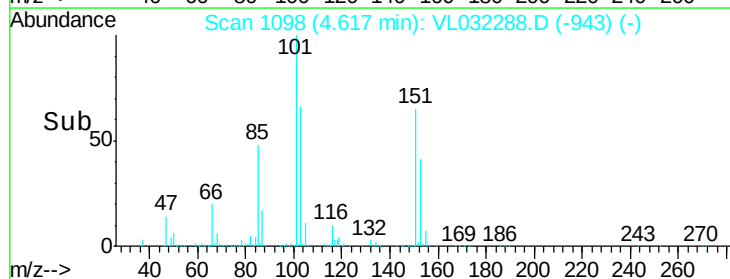
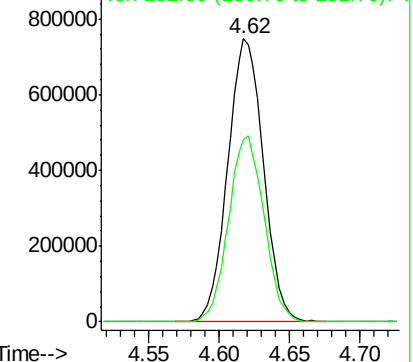
101 100

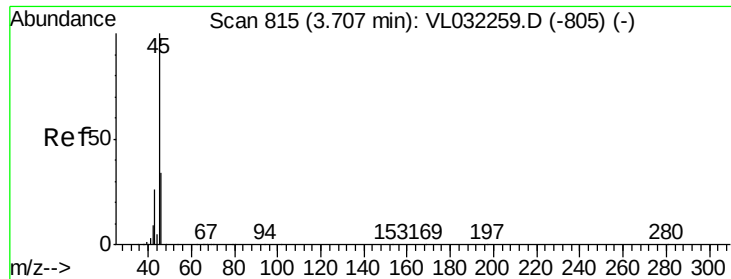
151 65.5 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

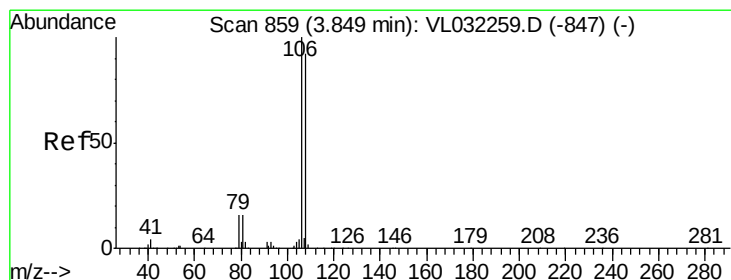
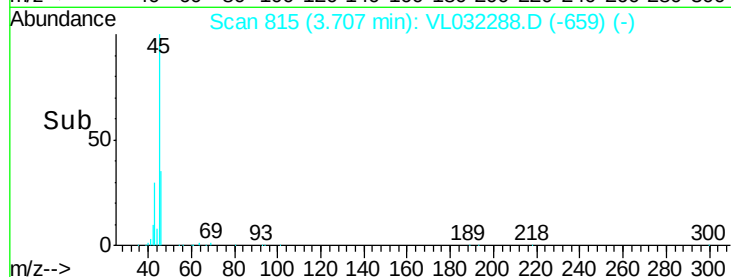
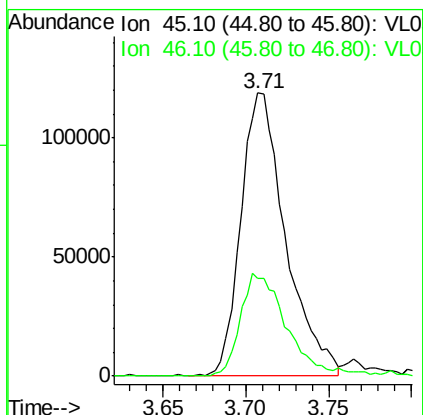
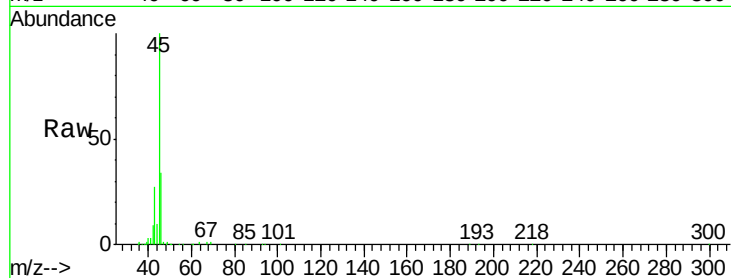




#13
Ethanol
Concen: 9.782 ppbv
RT: 3.71 min Scan# 815
Delta R.T. 0.00 min
Lab File: VL032288.D
Acq: 19 Jul 2018 9:01

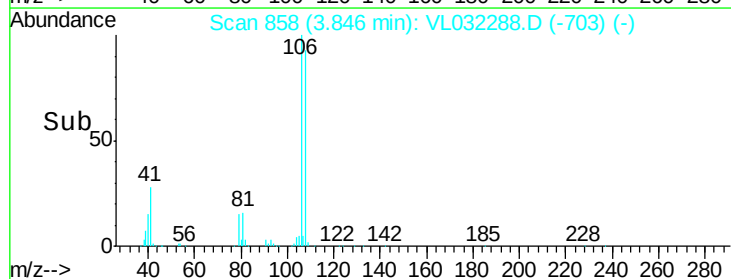
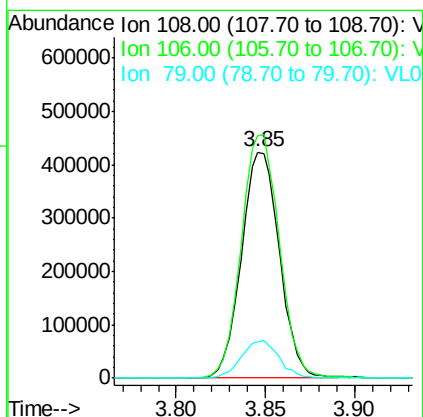
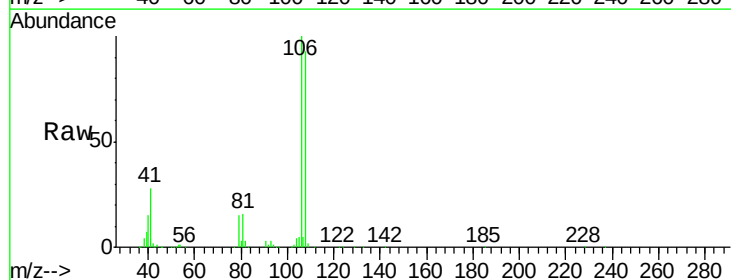
Instrument :
MSVOA_L
ClientSampled :

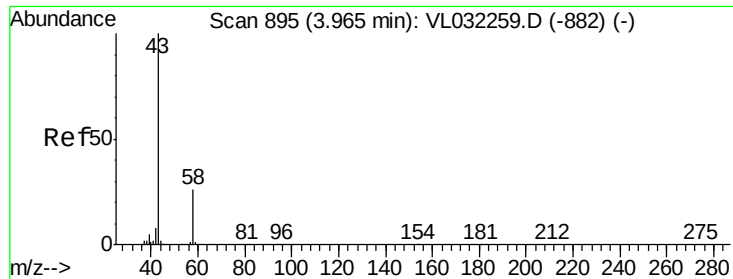
Tot Ion: 45 Resp: 223366
Ion Ratio Lower Upper
45 100
46 38.1 15.2 60.8



#14
Bromoethene
Concen: 10.089 ppbv
RT: 3.85 min Scan# 858
Delta R.T. -0.00 min
Lab File: VL032288.D
Acq: 19 Jul 2018 9:01

Tgt Ion: 108 Resp: 628395
Ion Ratio Lower Upper
108 100
106 108.6 86.2 129.4
79 16.7 14.0 21.0





#15

Acetone

Concen: 9.322 ppbv

RT: 3.96 min Scan# 894

Delta R.T. -0.00 min

Lab File: VL032288.D

Acq: 19 Jul 2018 9:01

Instrument :

MSVOA_L

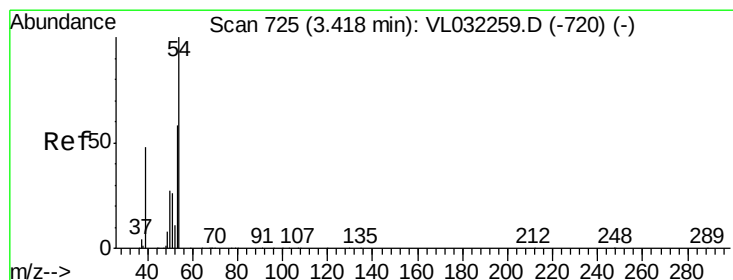
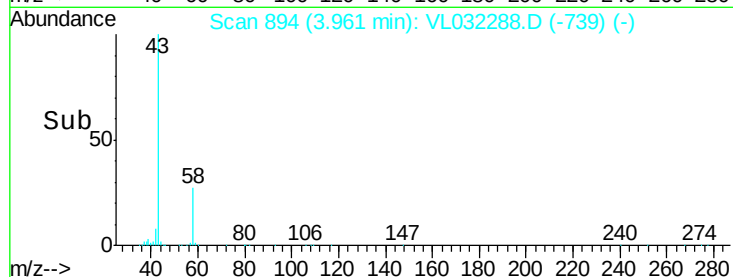
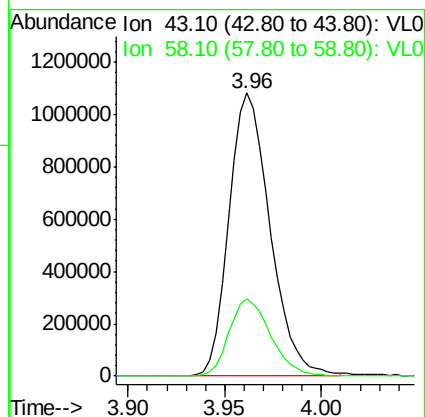
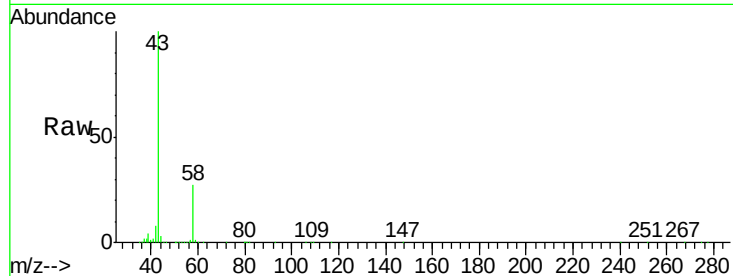
ClientSampleId :

Tot Ion: 43 Resp: 1589827

Ion Ratio Lower Upper

43 100

58 27.9 21.8 32.6



#16

1,3-Butadiene

Concen: 10.216 ppbv

RT: 3.41 min Scan# 724

Delta R.T. -0.00 min

Lab File: VL032288.D

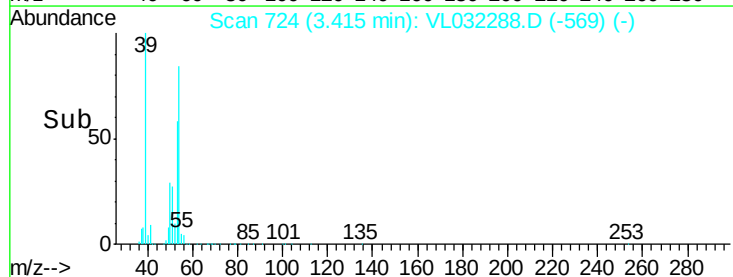
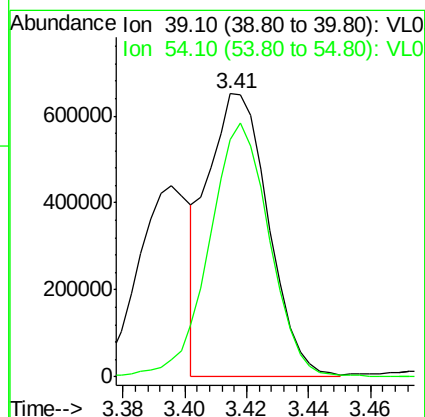
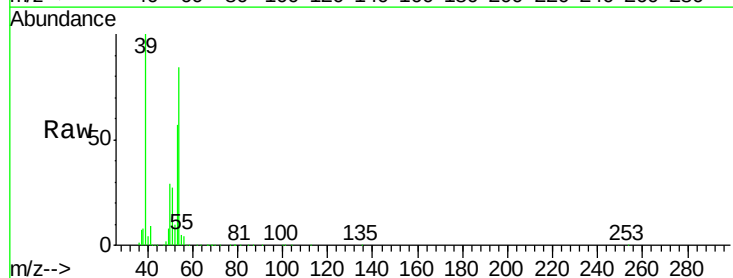
Acq: 19 Jul 2018 9:01

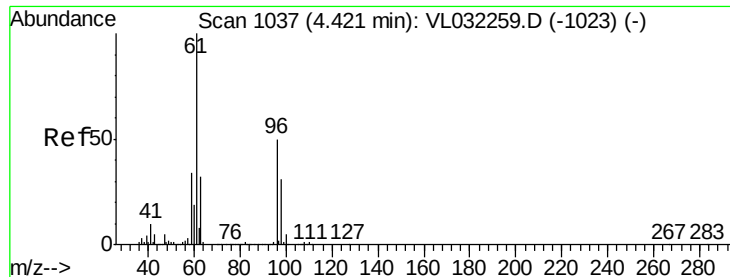
Tgt Ion: 39 Resp: 887450

Ion Ratio Lower Upper

39 100

54 89.4 70.6 105.8





#17

tert-Butyl alcohol

Concen: 10.494 ppbv

RT: 4.42 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VL032288.D

Acq: 19 Jul 2018 9:01

Instrument :

MSVOA_L

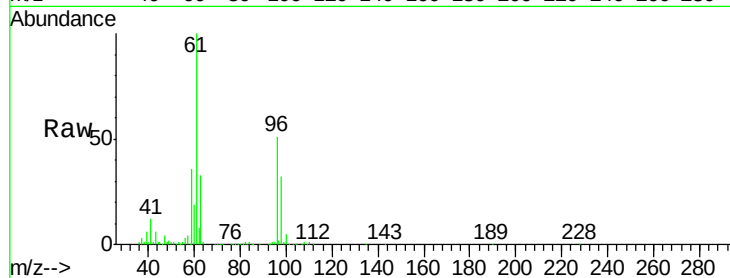
ClientSampleId :

Tot Ion: 59 Resp: 564404

Ion Ratio Lower Upper

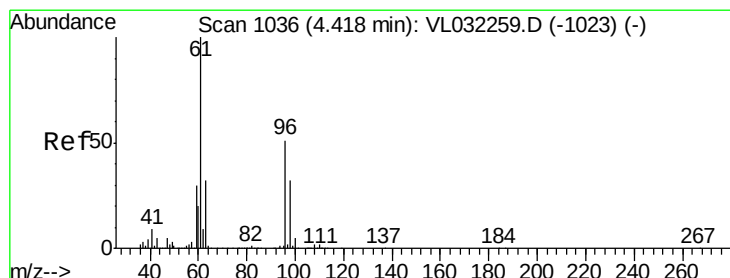
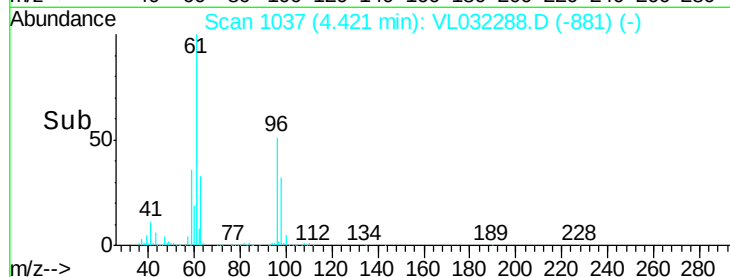
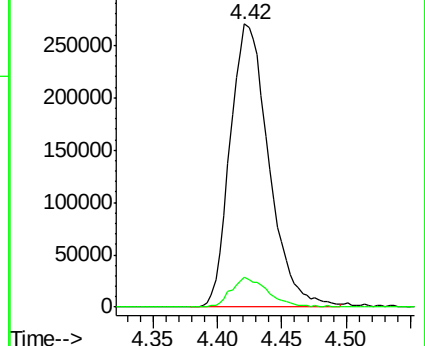
59 100

57 10.2 8.2 12.4



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 9.983 ppbv

RT: 4.42 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VL032288.D

Acq: 19 Jul 2018 9:01

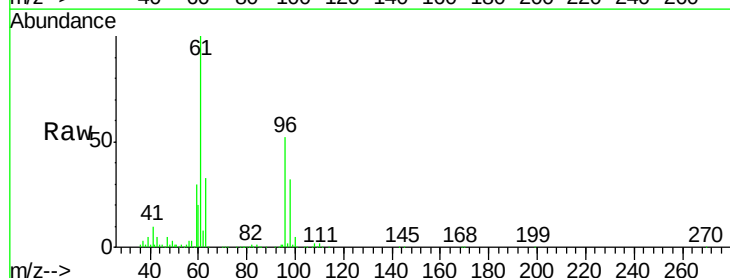
Tgt Ion: 96 Resp: 644178

Ion Ratio Lower Upper

96 100

61 194.0 157.2 235.8

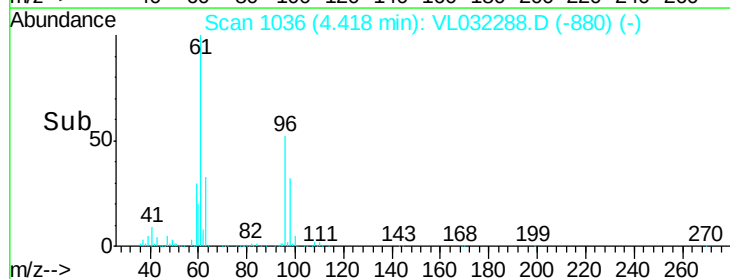
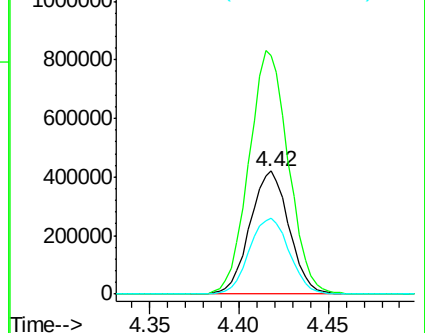
98 61.9 50.1 75.1

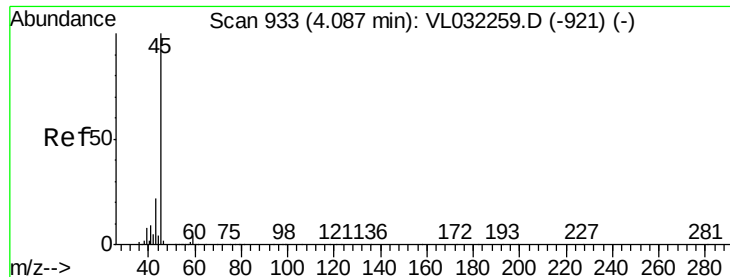


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



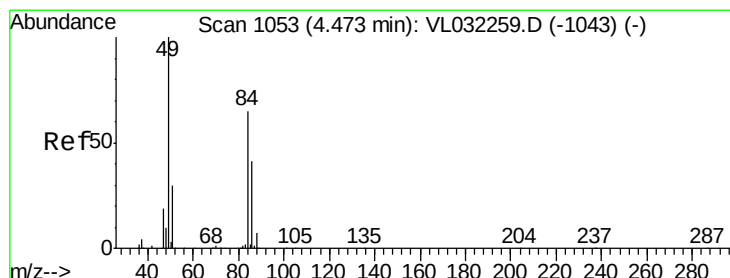
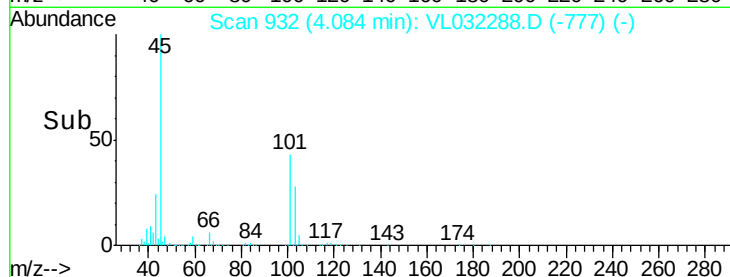
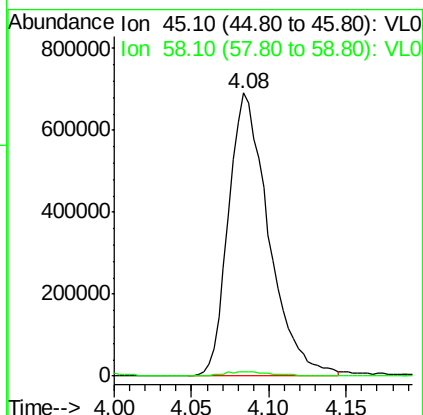
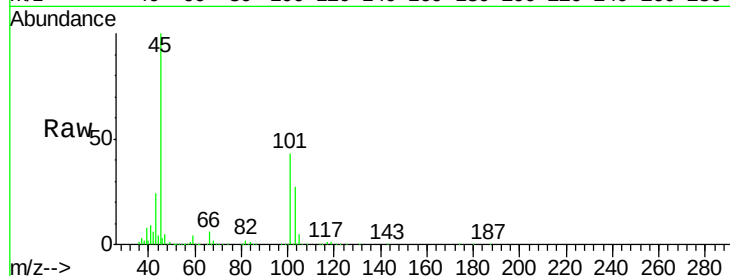


#19

Isopropyl Alcohol
 Concen: 10.793 ppbv
 RT: 4.08 min Scan# 932
 Delta R.T. -0.00 min
 Lab File: VL032288.D
 Acq: 19 Jul 2018 9:01

Instrument :
 MSVOA_L
 ClientSampleId :

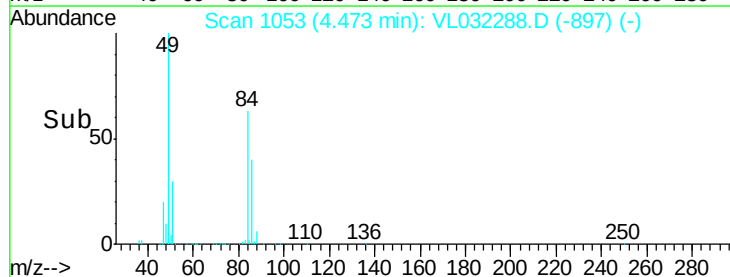
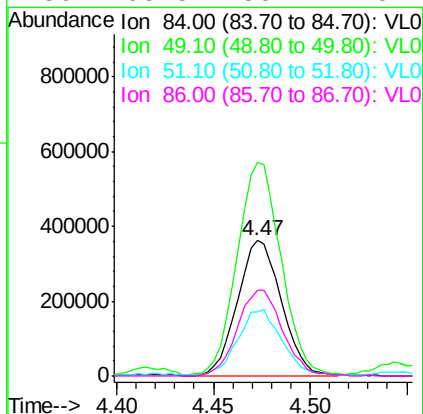
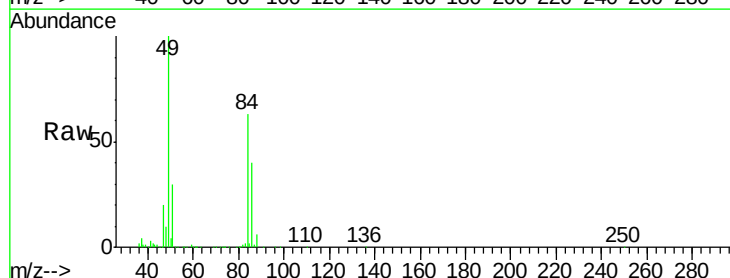
Tot Ion: 45 Resp: 1244994
 Ion Ratio Lower Upper
 45 100
 58 1.9 1.5 2.3

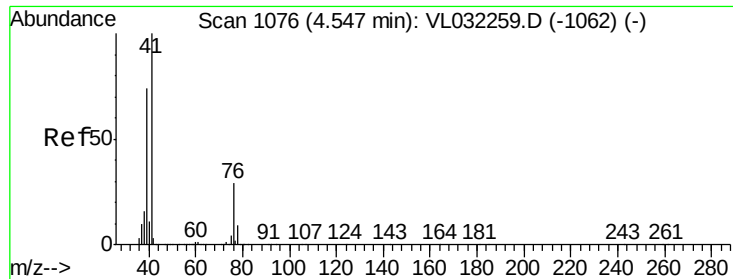


#20

Methylene Chloride
 Concen: 8.658 ppbv
 RT: 4.47 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VL032288.D
 Acq: 19 Jul 2018 9:01

Tgt Ion: 84 Resp: 568485
 Ion Ratio Lower Upper
 84 100
 49 157.3 122.4 183.6
 51 46.4 36.8 55.2
 86 63.5 50.7 76.1

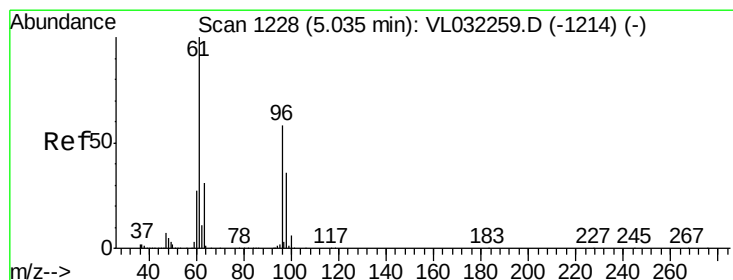
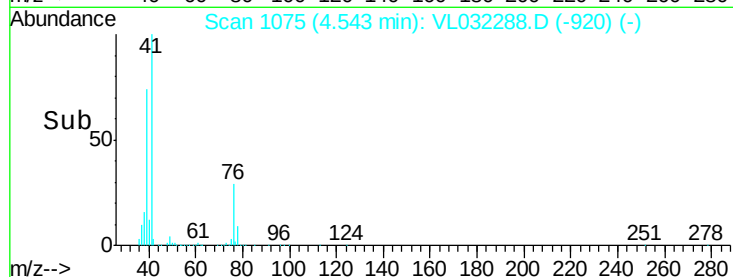
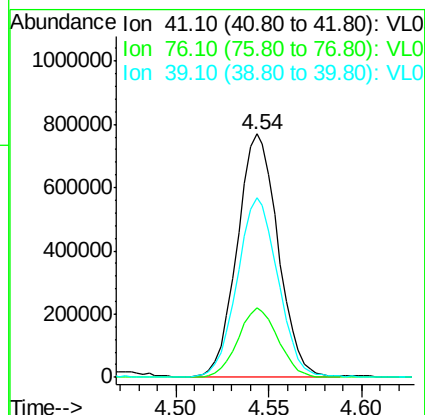
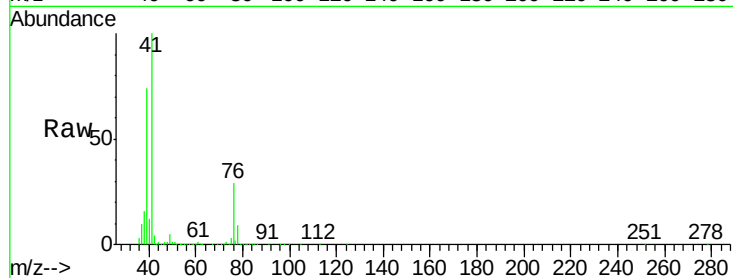




#21
Allvl Chloride
Concen: 10.407 ppbv
RT: 4.54 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VL032288.D
Acq: 19 Jul 2018 9:01

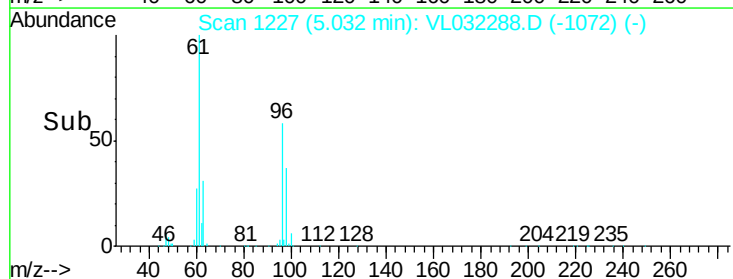
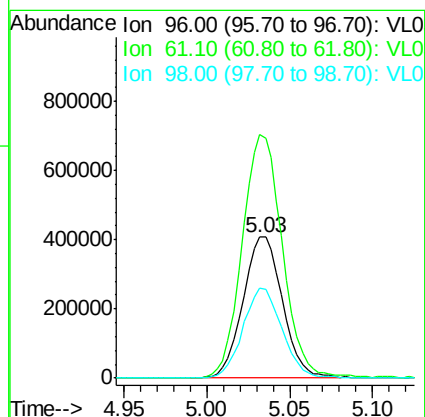
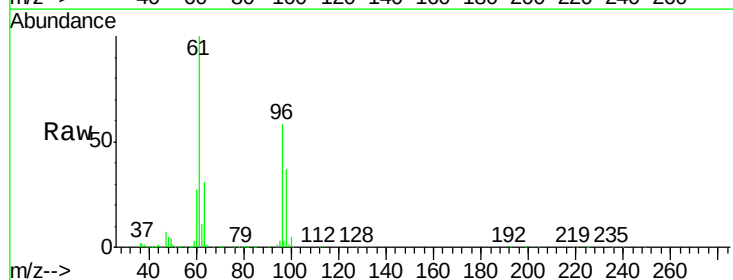
Instrument :
MSVOA_L
ClientSampled :

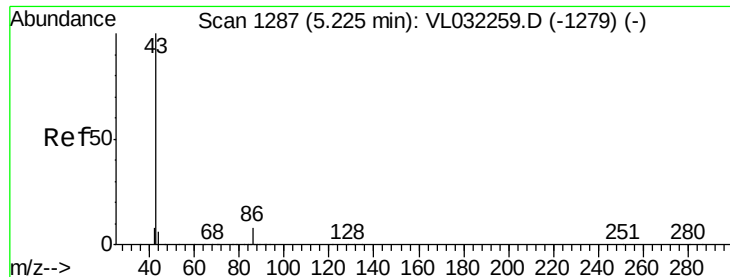
Tot Ion: 41 Resp: 1169014
Ion Ratio Lower Upper
41 100
76 28.3 23.0 34.6
39 74.2 60.2 90.4



#22
trans-1,2-Dichloroethene
Concen: 10.086 ppbv
RT: 5.03 min Scan# 1227
Delta R.T. -0.00 min
Lab File: VL032288.D
Acq: 19 Jul 2018 9:01

Tgt Ion: 96 Resp: 675692
Ion Ratio Lower Upper
96 100
61 172.6 137.4 206.0
98 64.3 49.6 74.4





#23

Vinyl Acetate

Concen: 10.860 ppbv

RT: 5.22 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VL032288.D

Acq: 19 Jul 2018 9:01

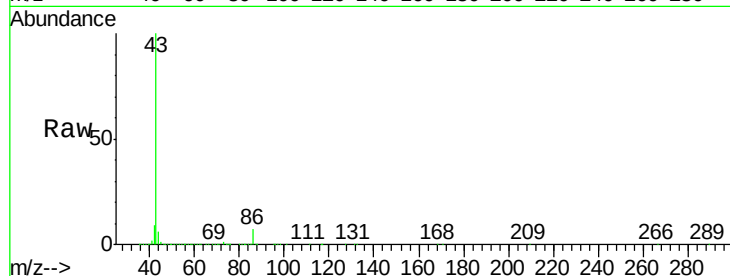
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 3321762

Ion	Ratio	Lower	Upper
43	100		
86	6.9	5.9	8.9
42	9.0	7.3	10.9
44	5.7	4.4	6.6

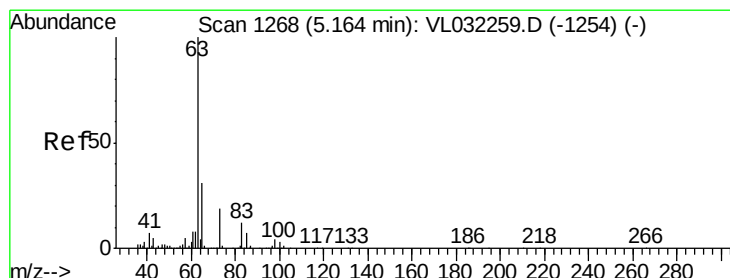
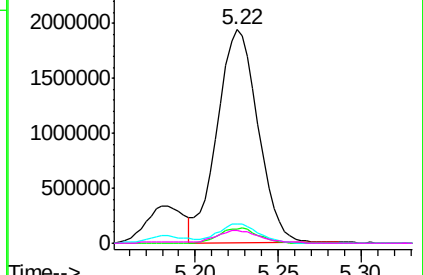
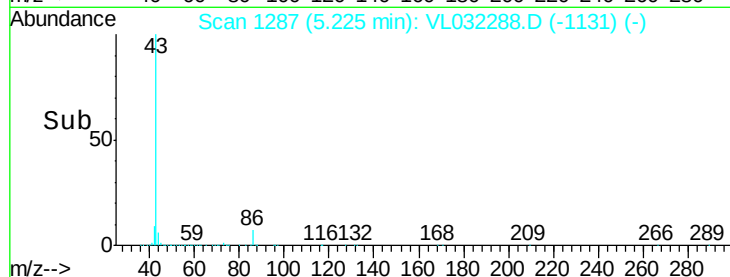


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.918 ppbv

RT: 5.16 min Scan# 1267

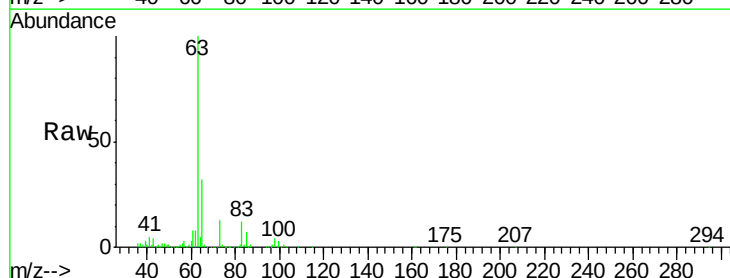
Delta R.T. -0.00 min

Lab File: VL032288.D

Acq: 19 Jul 2018 9:01

Tgt Ion: 63 Resp: 2200501

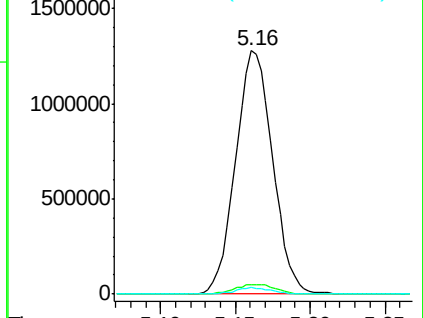
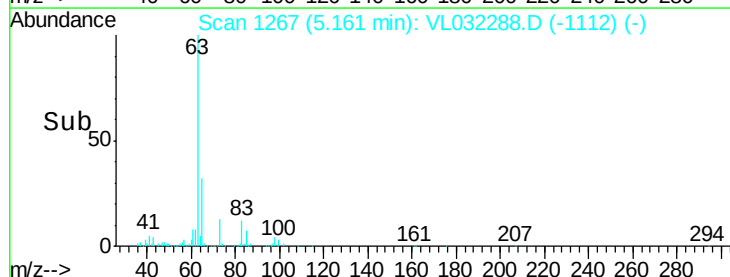
Ion	Ratio	Lower	Upper
63	100		
98	3.8	2.1	6.3
100	2.9	1.3	3.9

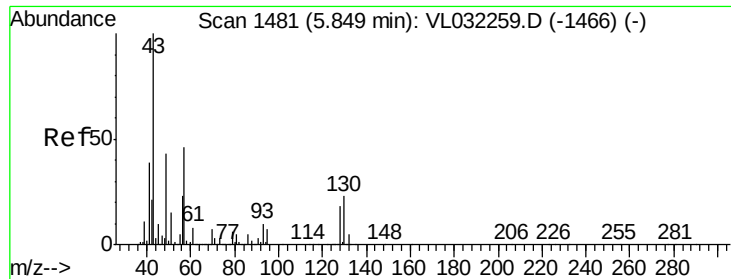


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



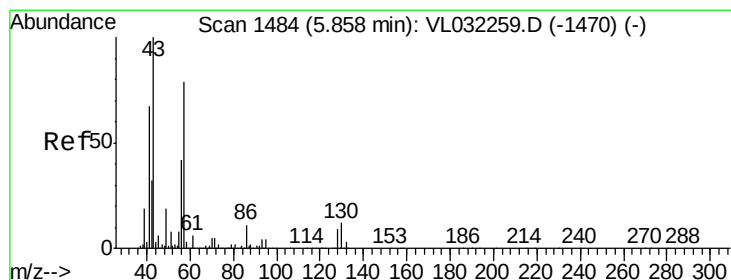
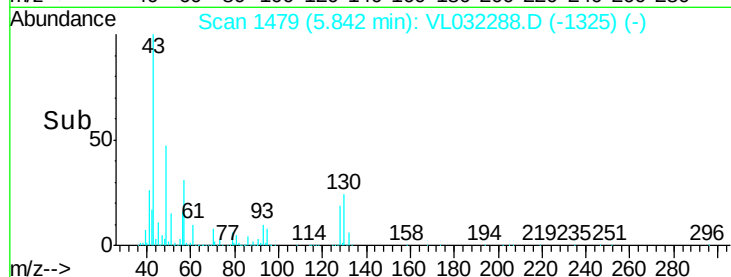
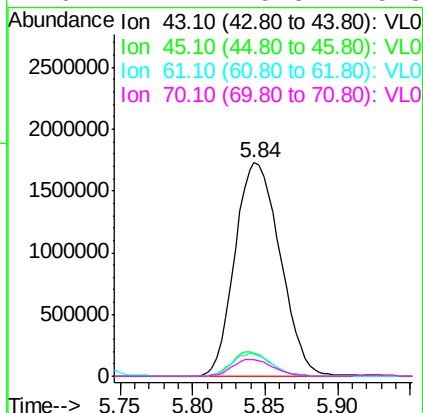
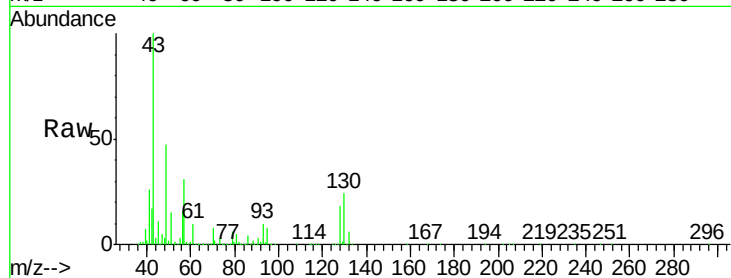


#25
Ethyl Acetate
Concen: 10.078 ppbv
RT: 5.84 min Scan# 1479
Delta R.T. -0.01 min
Lab File: VL032288.D
Acq: 19 Jul 2018 9:01

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 3743724

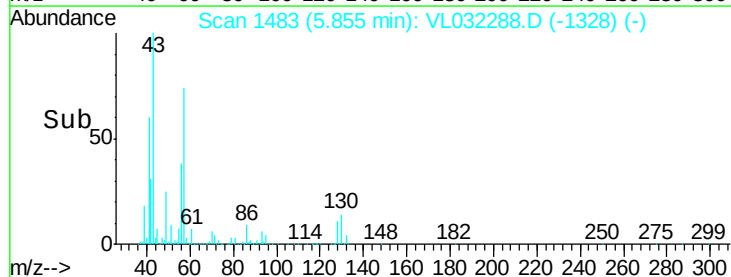
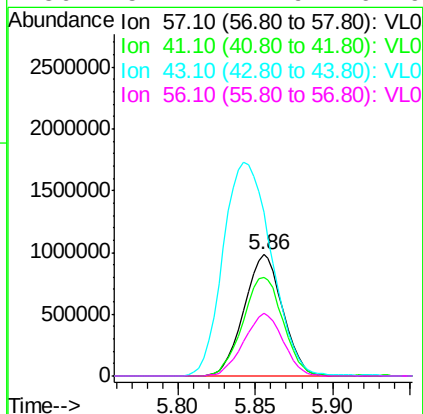
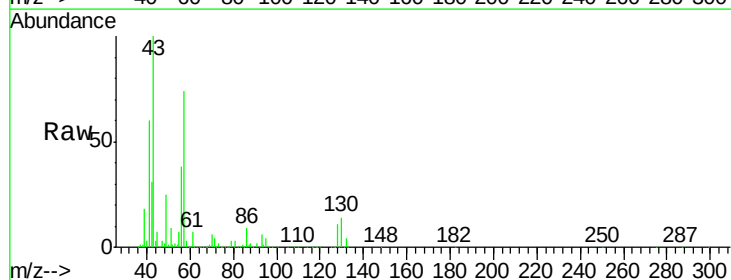
Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.9	11.9
61	9.3	7.6	11.4
70	7.2	5.8	8.8

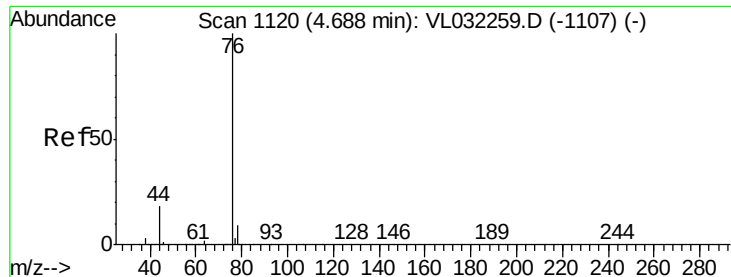


#26
Hexane
Concen: 9.996 ppbv
RT: 5.86 min Scan# 1483
Delta R.T. -0.00 min
Lab File: VL032288.D
Acq: 19 Jul 2018 9:01

Tgt Ion: 57 Resp: 1705419

Ion	Ratio	Lower	Upper
57	100		
41	85.0	67.9	101.9
43	220.7	175.9	263.9
56	52.4	41.9	62.9





#27

Carbon Disulfide

Concen: 10.993 ppbv

RT: 4.69 min Scan# 1120

Delta R.T. 0.00 min

Lab File: VL032288.D

Acq: 19 Jul 2018 9:01

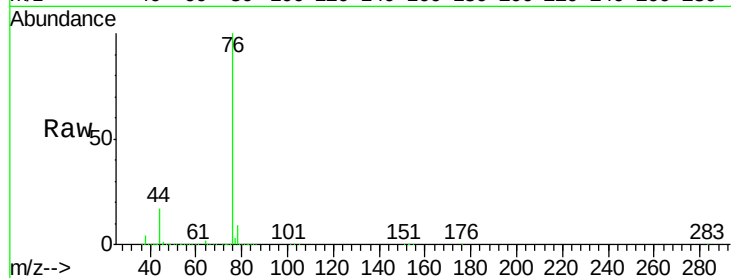
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 76 Resp: 1660662

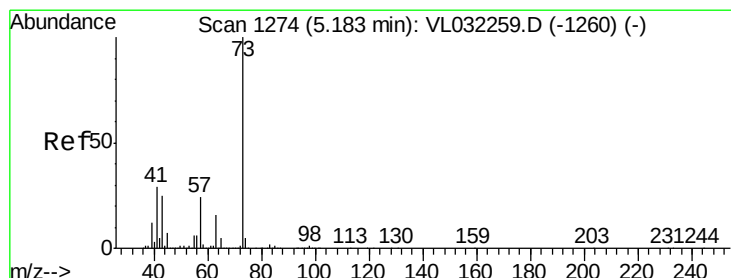
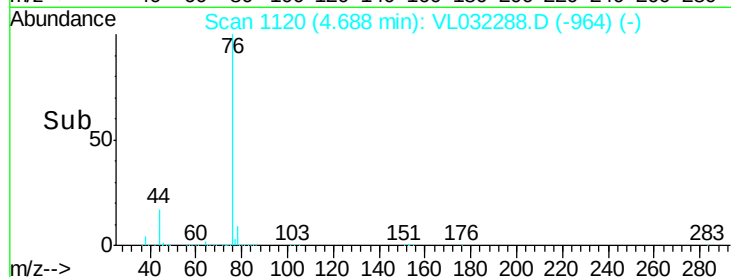
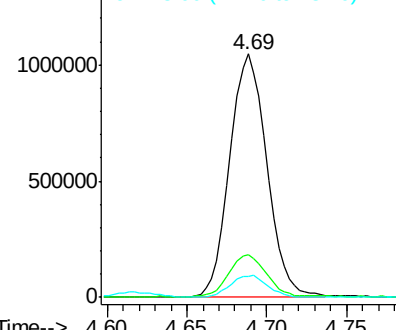
Ion	Ratio	Lower	Upper
76	100		
44	17.9	14.3	21.5
78	9.3	7.4	11.0



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: 10.203 ppbv

RT: 5.18 min Scan# 1274

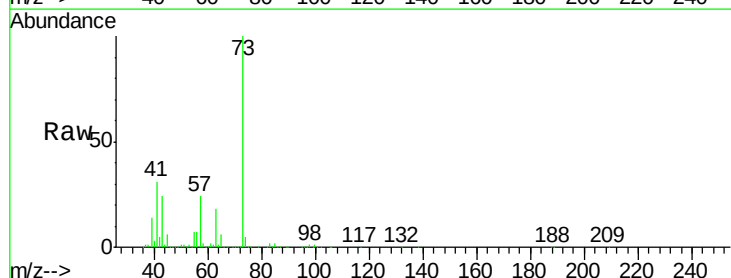
Delta R.T. 0.00 min

Lab File: VL032288.D

Acq: 19 Jul 2018 9:01

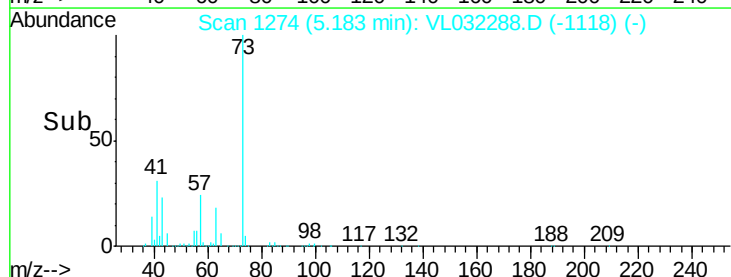
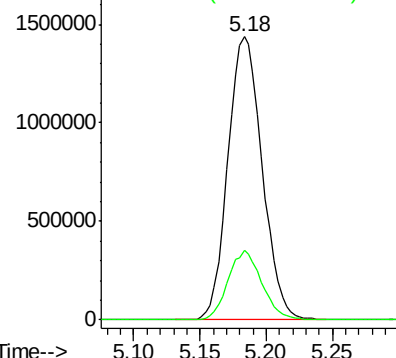
Tgt Ion: 73 Resp: 2580763

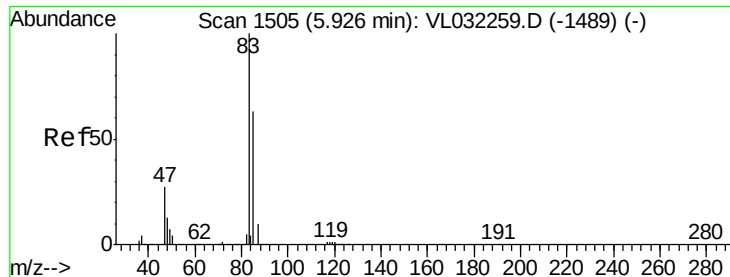
Ion	Ratio	Lower	Upper
73	100		
57	24.2	19.3	28.9



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

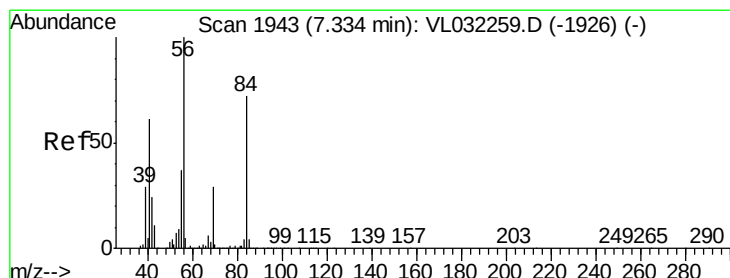
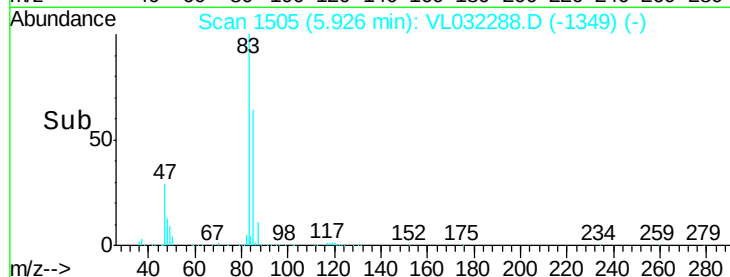
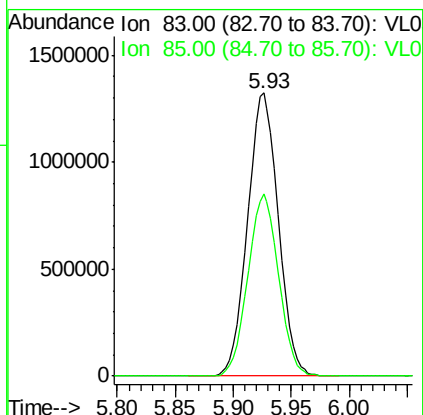
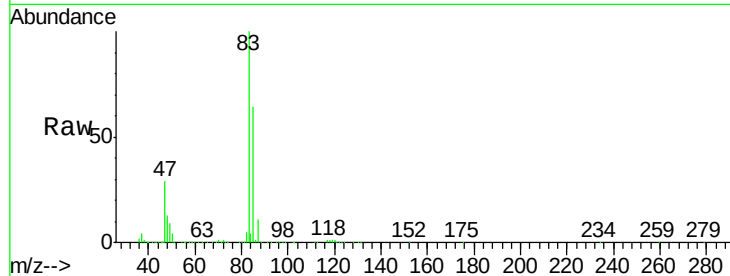




#29
Chloroform
Concen: 9.748 ppbv
RT: 5.93 min Scan# 1505
Delta R.T. 0.00 min
Lab File: VL032288.D
Acq: 19 Jul 2018 9:01

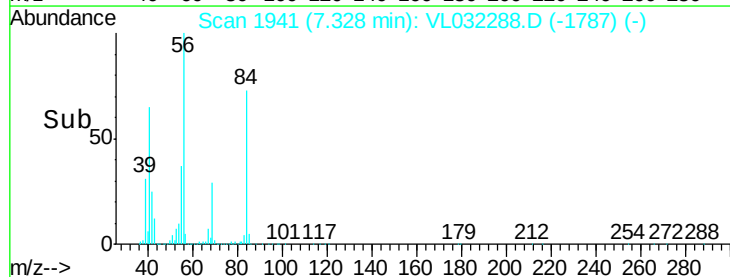
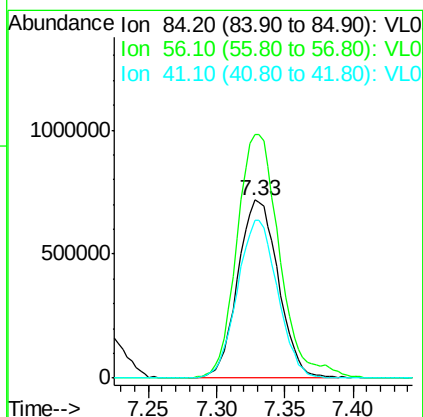
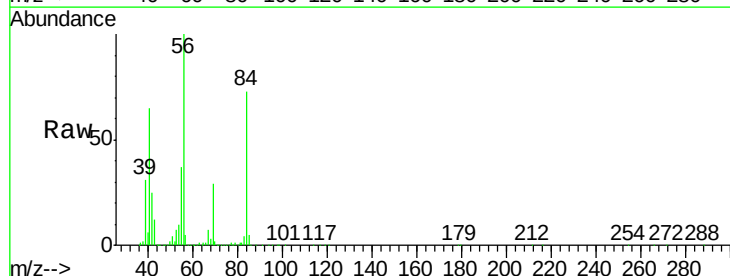
Instrument :
MSVOA_L
ClientSampleId :

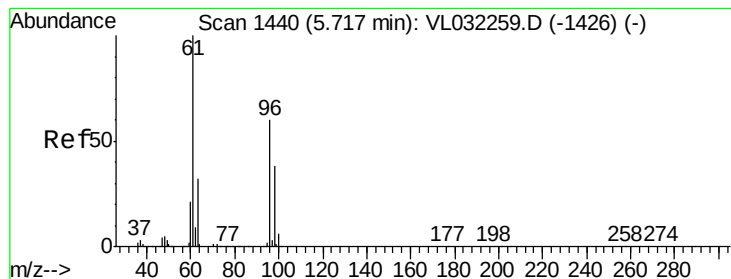
Tot Ion: 83 Resp: 2451992
Ion Ratio Lower Upper
83 100
85 64.2 50.7 76.1



#30
Cyclohexane
Concen: 10.346 ppbv
RT: 7.33 min Scan# 1941
Delta R.T. -0.01 min
Lab File: VL032288.D
Acq: 19 Jul 2018 9:01

Tgt Ion: 84 Resp: 1480982
Ion Ratio Lower Upper
84 100
56 144.4 115.6 173.4
41 88.3 68.7 103.1





#31

cis-1,2-Dichloroethene

Concen: 10.567 ppbv

RT: 5.72 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VL032288.D

Acq: 19 Jul 2018 9:01

Instrument :

MSVOA_L

ClientSampleId :

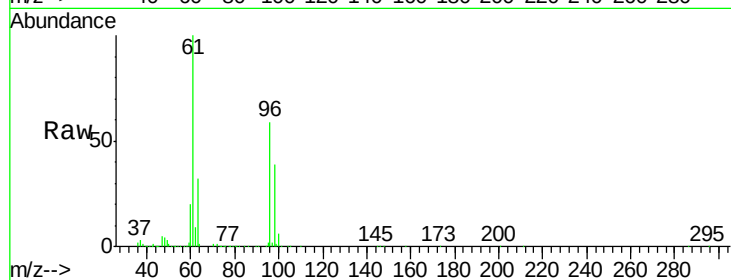
Tot Ion: 61 Resp: 1728353

Ion	Ratio	Lower	Upper
61	100		
96	58.5	47.9	71.9
98	38.7	30.5	45.7

61 100

96 58.5 47.9 71.9

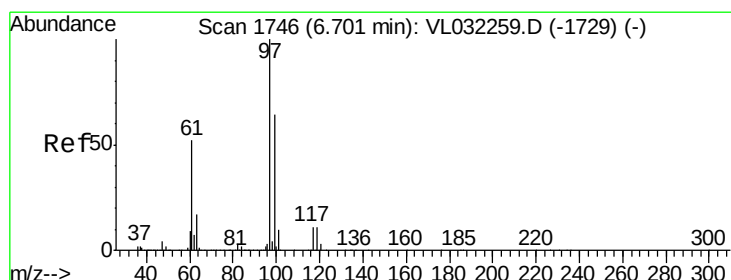
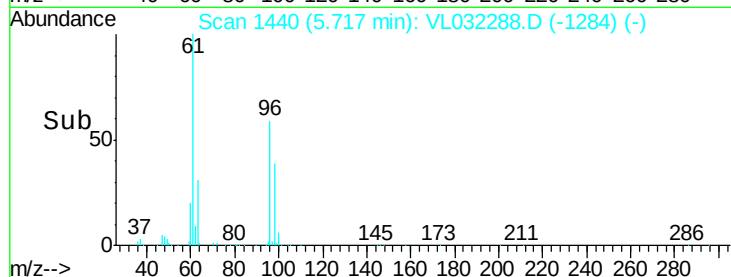
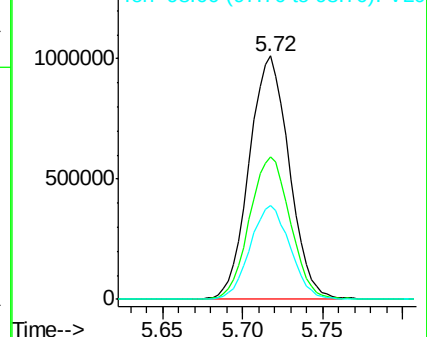
98 38.7 30.5 45.7



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: 9.593 ppbv

RT: 6.70 min Scan# 1746

Delta R.T. 0.00 min

Lab File: VL032288.D

Acq: 19 Jul 2018 9:01

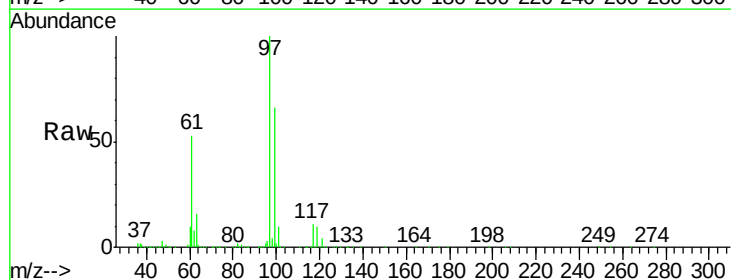
Tgt Ion: 97 Resp: 2441448

Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.0	76.6
61	53.2	41.2	61.8

97 100

99 64.6 51.0 76.6

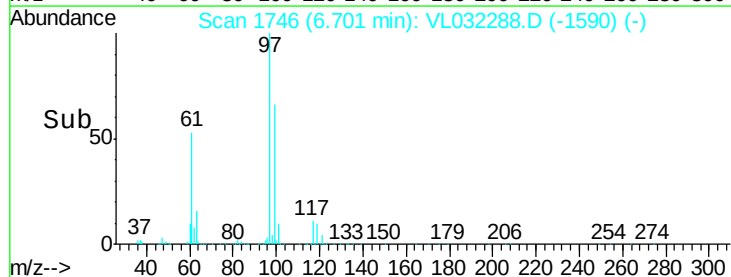
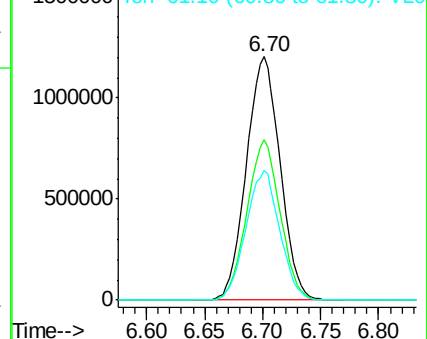
61 53.2 41.2 61.8

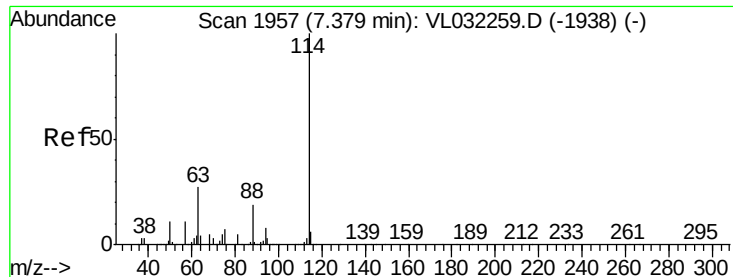


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

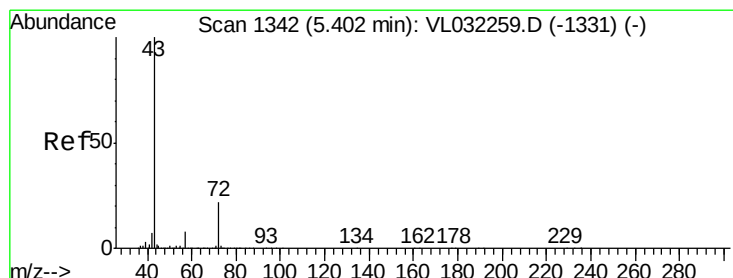
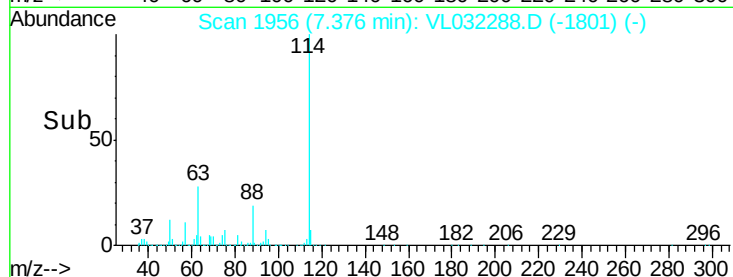
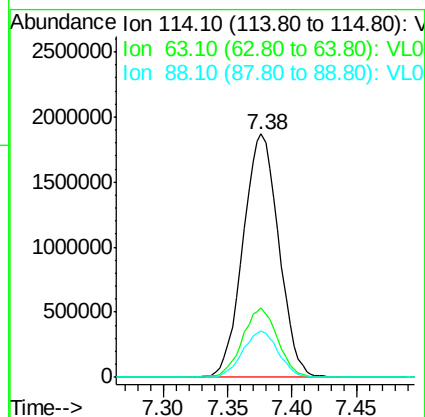
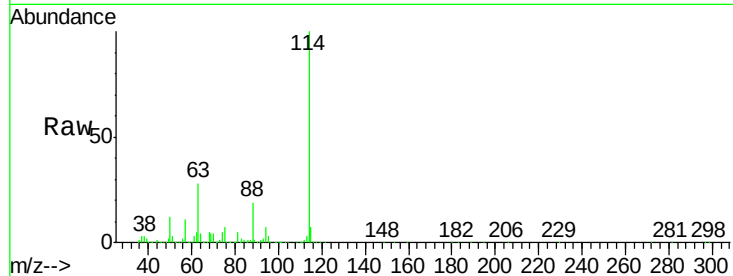




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.38 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VL032288.D
 Acq: 19 Jul 2018 9:01

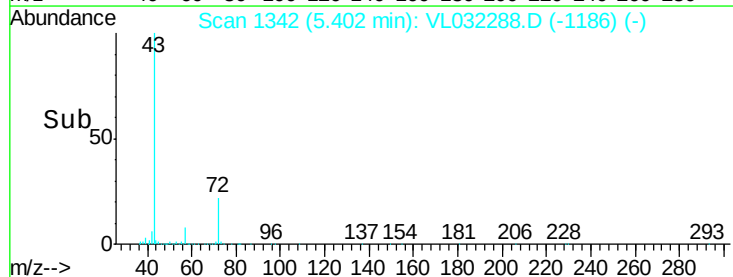
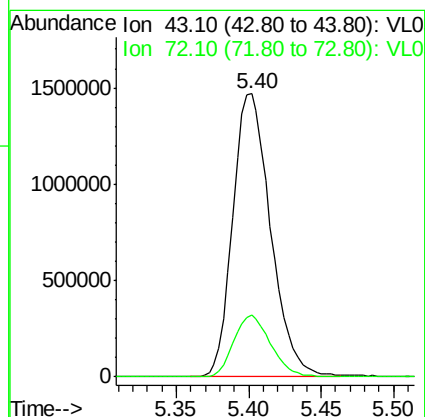
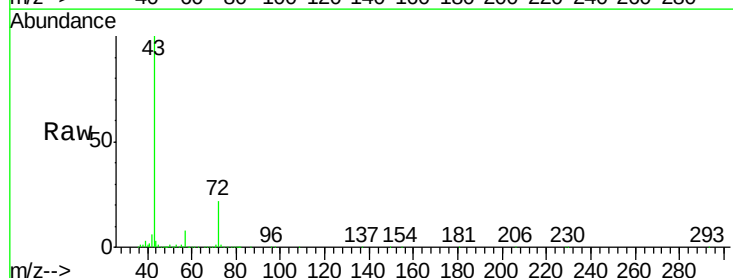
Instrument :
 MSVOA_L
 ClientSampleId :

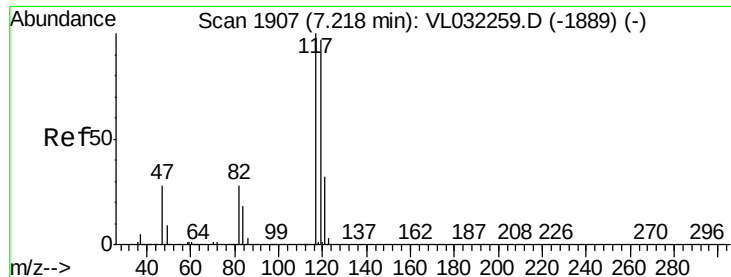
Tot Ion:114 Resp: 3607234
 Ion Ratio Lower Upper
 114 100
 63 28.4 22.6 33.8
 88 19.0 15.2 22.8



#34
 2-Butanone
 Concen: 10.704 ppbv
 RT: 5.40 min Scan# 1342
 Delta R.T. 0.00 min
 Lab File: VL032288.D
 Acq: 19 Jul 2018 9:01

Tgt Ion: 43 Resp: 2649494
 Ion Ratio Lower Upper
 43 100
 72 21.5 17.7 26.5





#35

Carbon Tetrachloride

Concen: 9.477 ppbv

RT: 7.22 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VL032288.D

Acq: 19 Jul 2018 9:01

Instrument :

MSVOA_L

ClientSampled :

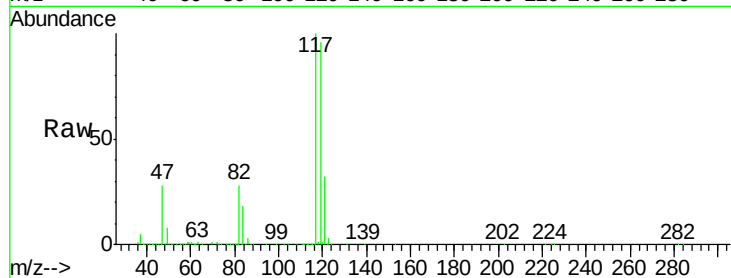
Tot Ion:117 Resp: 2351164

Ion Ratio Lower Upper

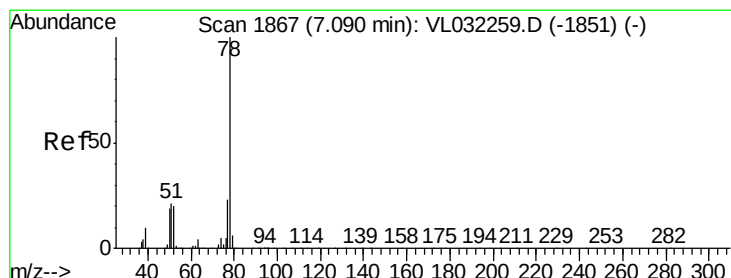
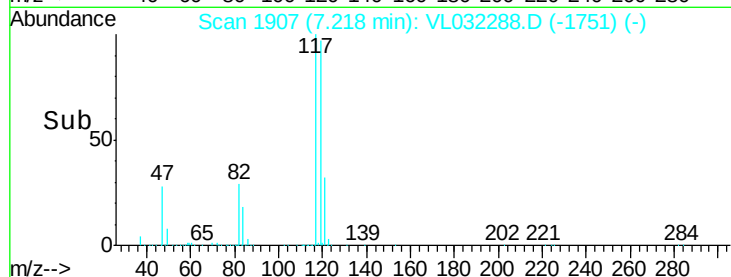
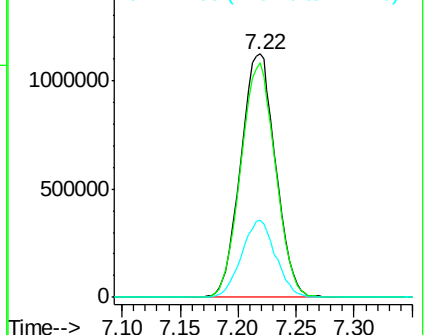
117 100

119 96.4 77.4 116.0

121 31.7 25.4 38.2



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



#36

Benzene

Concen: 9.927 ppbv

RT: 7.09 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VL032288.D

Acq: 19 Jul 2018 9:01

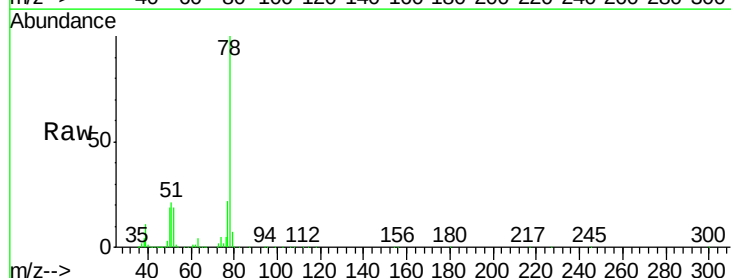
Tgt Ion: 78 Resp: 3524991

Ion Ratio Lower Upper

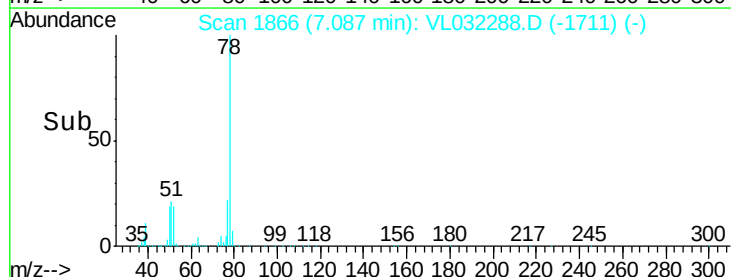
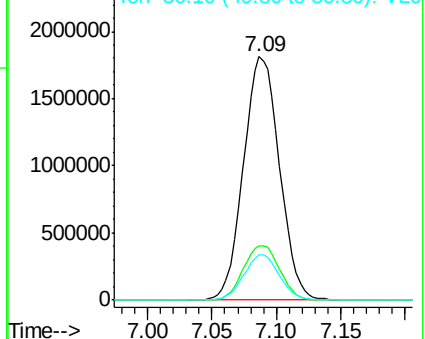
78 100

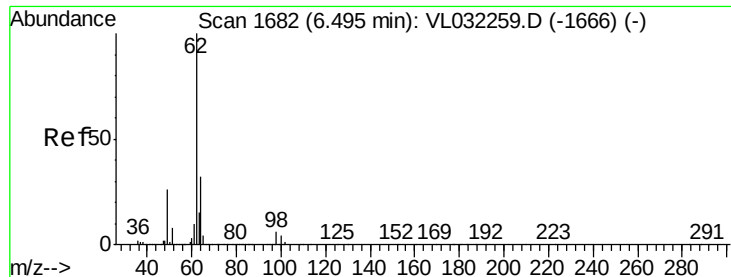
77 22.4 18.6 27.8

50 18.6 15.0 22.6



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 9.747 ppbv

RT: 6.49 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VL032288.D

Acq: 19 Jul 2018 9:01

Instrument :

MSVOA_L

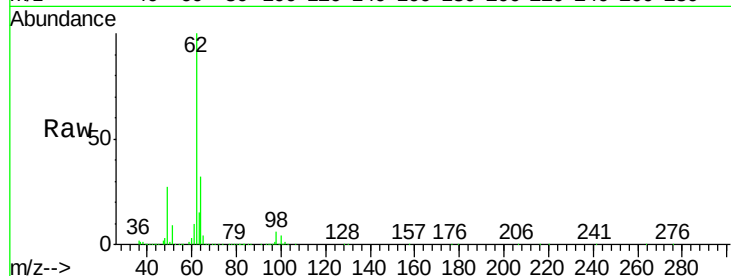
ClientSampleId :

Tot Ion: 62 Resp: 2044471

Ion Ratio Lower Upper

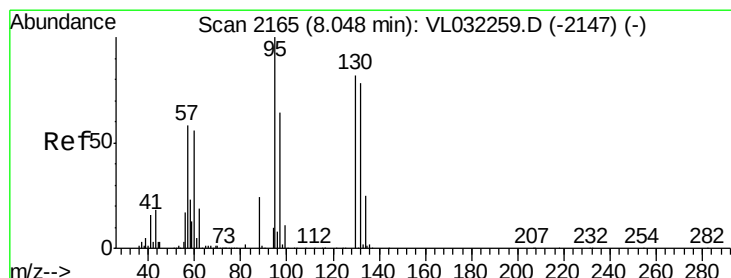
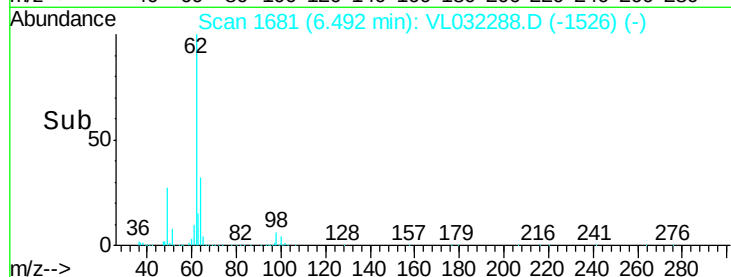
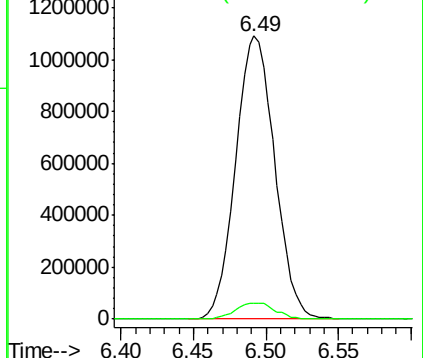
62 100

98 5.9 4.9 7.3



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 9.946 ppbv

RT: 8.05 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VL032288.D

Acq: 19 Jul 2018 9:01

Tgt Ion:130 Resp: 1168279

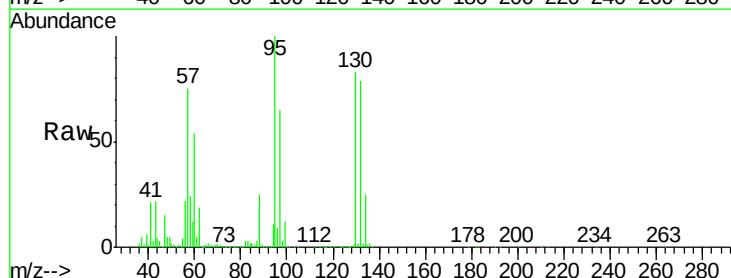
Ion Ratio Lower Upper

130 100

95 120.0 97.1 145.7

132 95.1 75.6 113.4

97 78.4 62.1 93.1

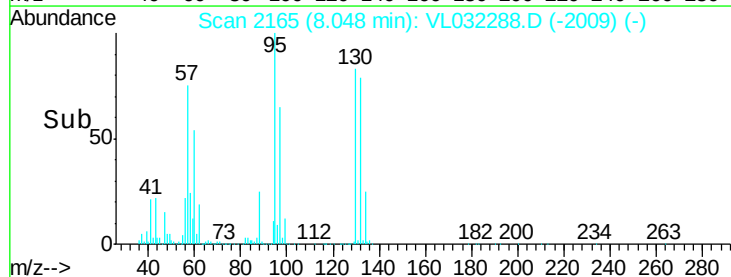
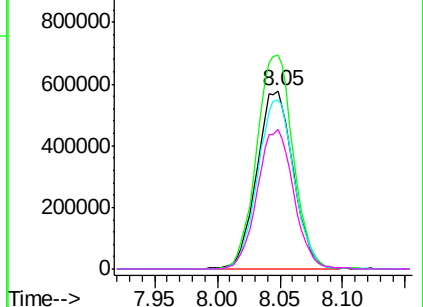


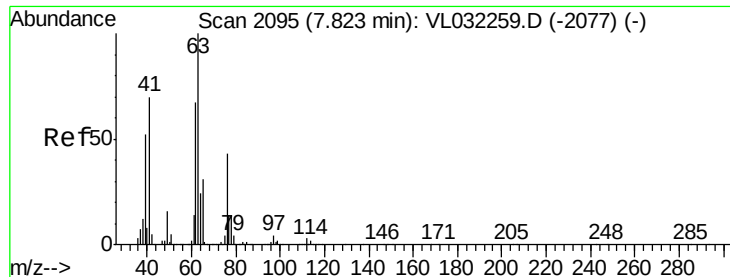
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 10.181 ppbv

RT: 7.82 min Scan# 2094

Delta R.T. -0.00 min

Lab File: VL032288.D

Acq: 19 Jul 2018 9:01

Instrument :

MSVOA_L

ClientSampleId :

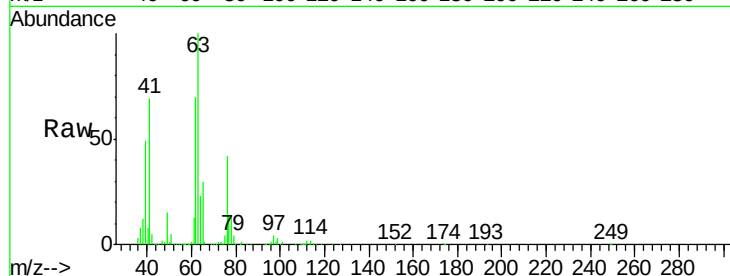
Tot Ion: 63 Resp: 1431162

Ion Ratio Lower Upper

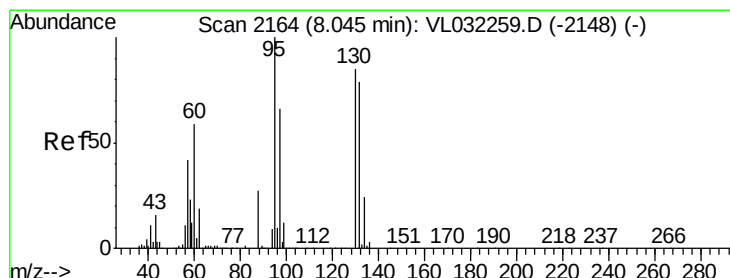
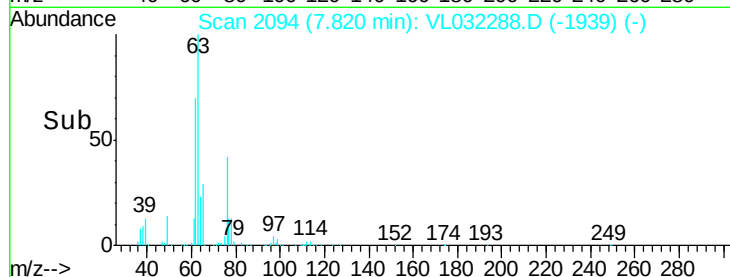
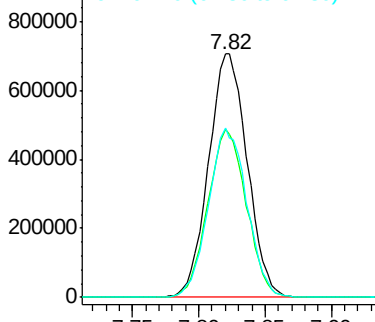
63 100

41 68.8 55.8 83.6

62 69.7 53.8 80.8



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: 11.563 ppbv

RT: 8.04 min Scan# 2162

Delta R.T. -0.01 min

Lab File: VL032288.D

Acq: 19 Jul 2018 9:01

Tgt Ion: 88 Resp: 480099

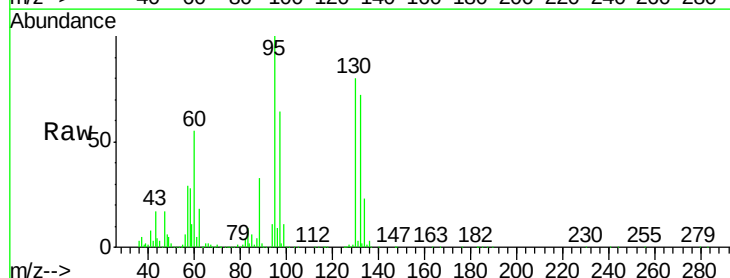
Ion Ratio Lower Upper

88 100

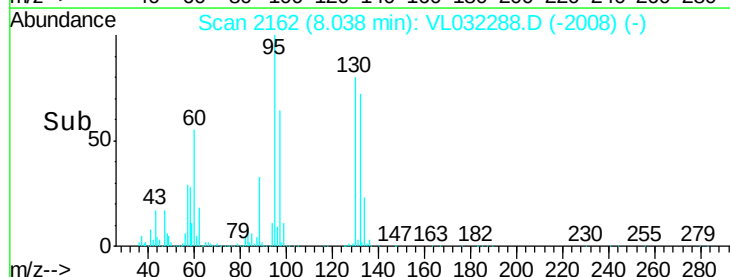
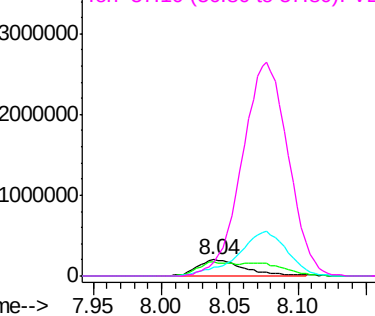
58 142.2 60.9 91.3#

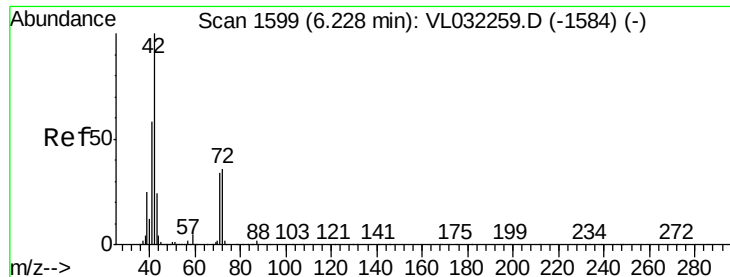
43 289.5 0.0 0.0#

57 1300.3 0.0 0.0#



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: 11.079 ppbv

RT: 6.22 min Scan# 1598

Delta R.T. -0.00 min

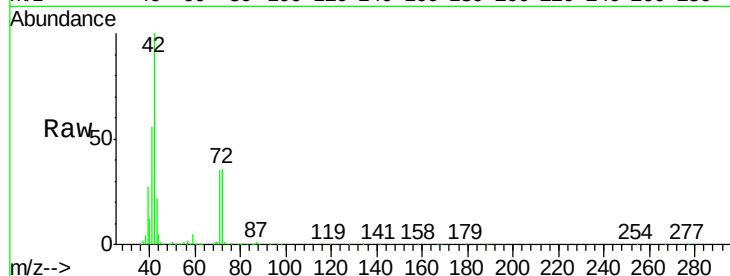
Lab File: VL032288.D

Acq: 19 Jul 2018 9:01

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 42 Resp: 1599753

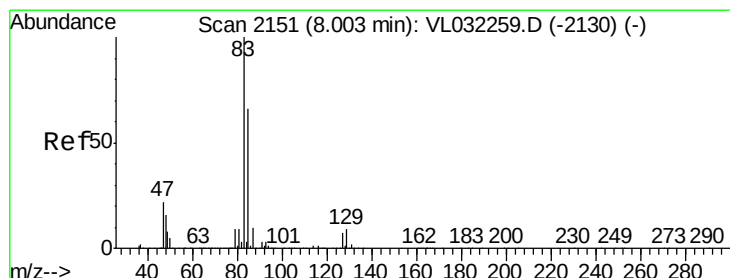
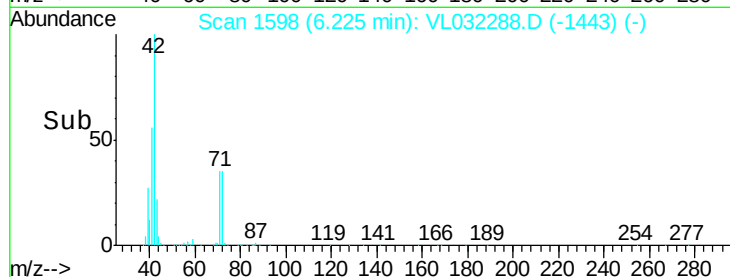
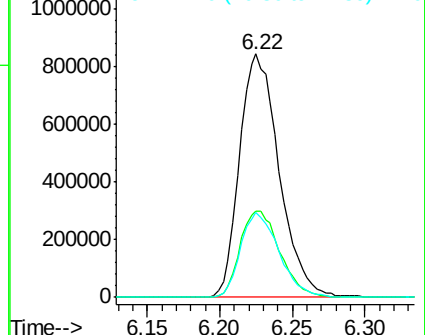
Ion	Ratio	Lower	Upper
42	100		
72	35.8	29.4	44.0
71	34.2	28.2	42.4



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: 10.070 ppbv

RT: 8.00 min Scan# 2151

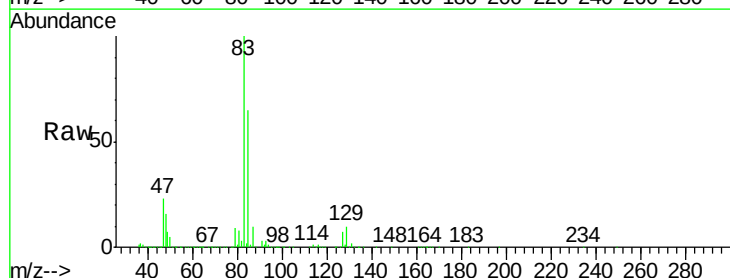
Delta R.T. 0.00 min

Lab File: VL032288.D

Acq: 19 Jul 2018 9:01

Tgt Ion: 83 Resp: 2659268

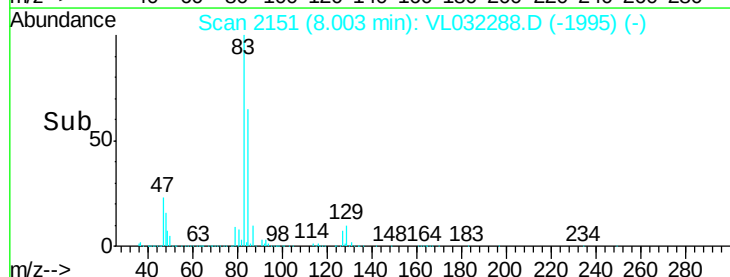
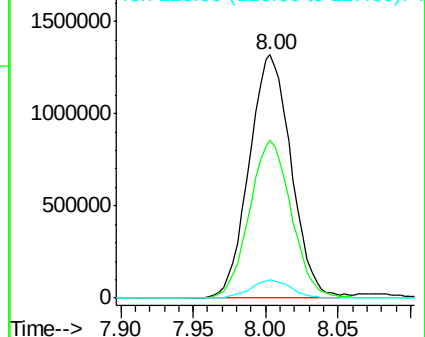
Ion	Ratio	Lower	Upper
83	100		
85	64.8	53.0	79.4
127	7.3	5.7	8.5

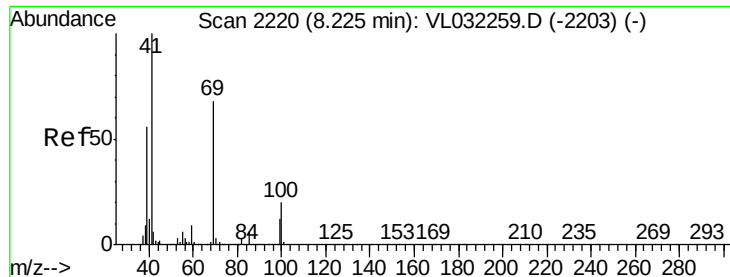


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

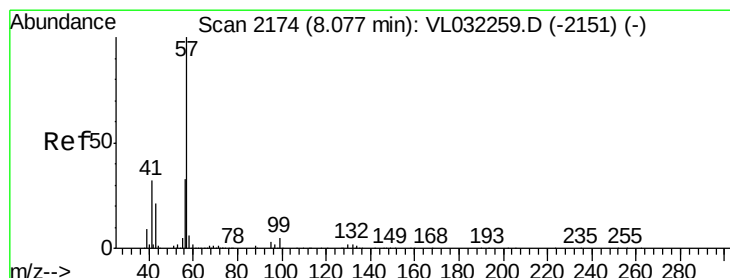
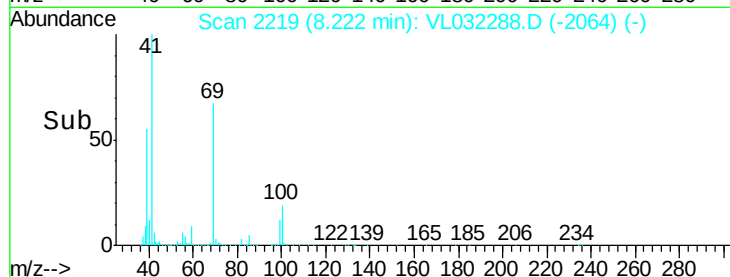
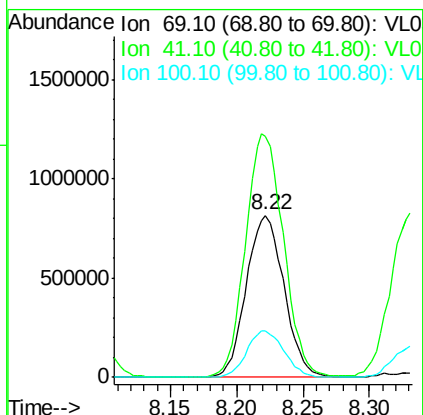
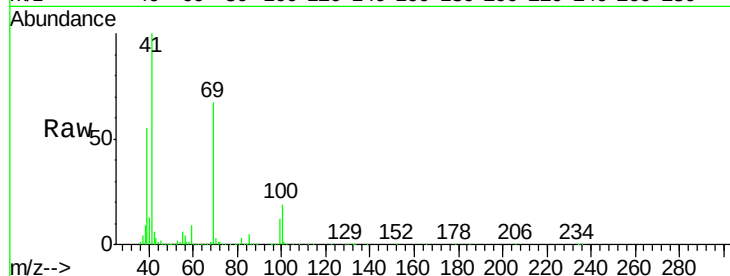




#43
Methyl Methacrylate
Concen: 11.121 ppbv
RT: 8.22 min Scan# 2219
Delta R.T. -0.00 min
Lab File: VL032288.D
Acq: 19 Jul 2018 9:01

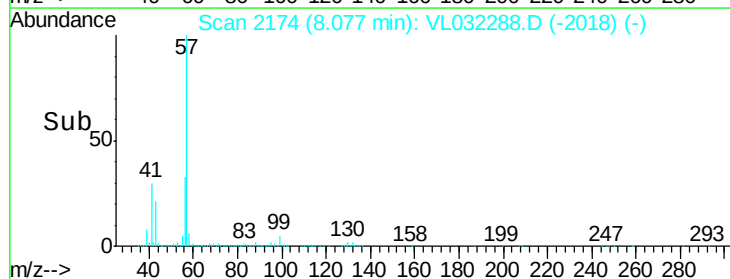
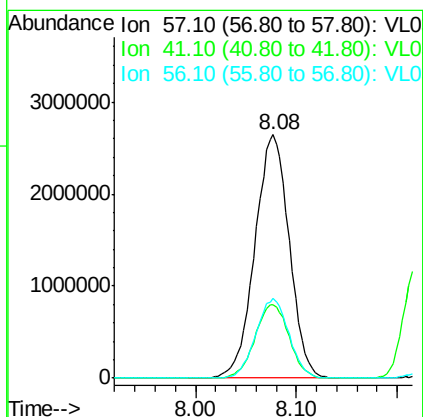
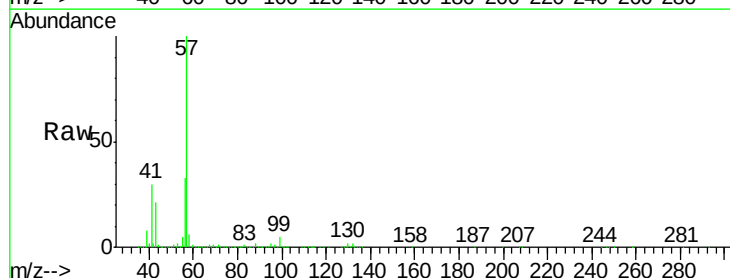
Instrument :
MSVOA_L
ClientSampleId :

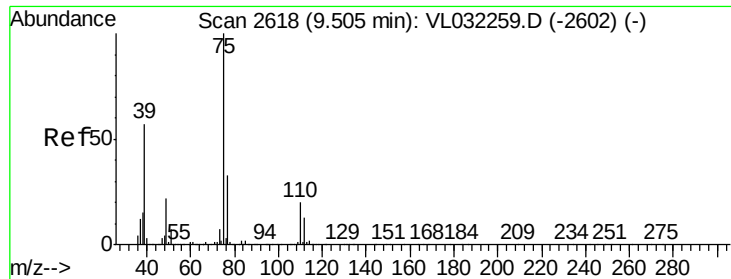
Tot Ion: 69 Resp: 1618364
Ion Ratio Lower Upper
69 100
41 150.8 118.6 177.8
100 28.8 23.3 34.9



#44
2,2,4-Trimethylpentane
Concen: 10.076 ppbv
RT: 8.08 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VL032288.D
Acq: 19 Jul 2018 9:01

Tgt Ion: 57 Resp: 6235393
Ion Ratio Lower Upper
57 100
41 30.2 24.4 36.6
56 31.5 25.7 38.5





#45

t-1,3-Dichloropropene

Concen: 11.209 ppbv

RT: 9.50 min Scan# 2617

Delta R.T. -0.00 min

Lab File: VL032288.D

Acq: 19 Jul 2018 9:01

Instrument :

MSVOA_L

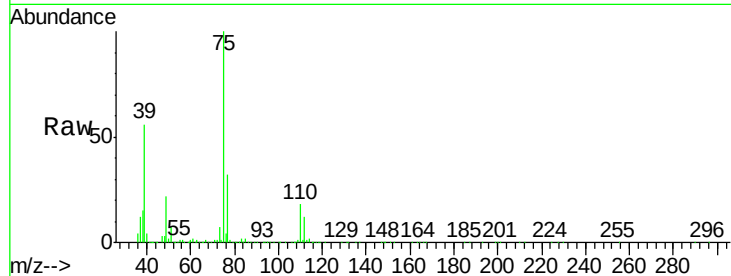
ClientSampled :

Tot Ion: 75 Resp: 1922067

Ion Ratio Lower Upper

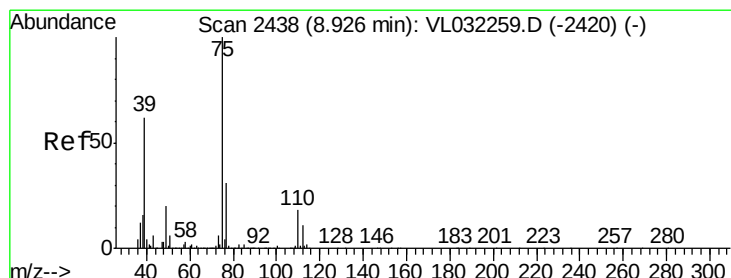
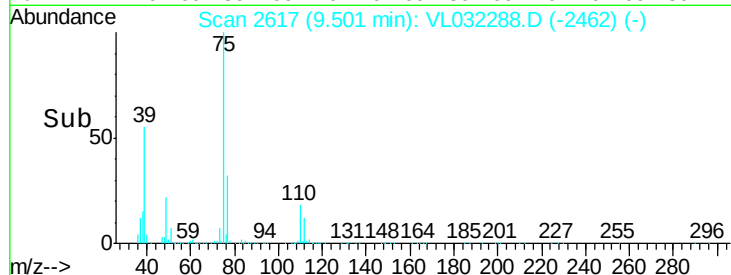
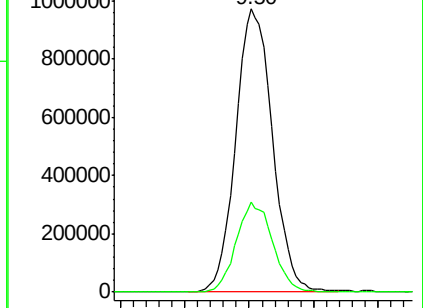
75 100

77 31.6 26.2 39.4



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 12.068 ppbv

RT: 8.92 min Scan# 2437

Delta R.T. -0.00 min

Lab File: VL032288.D

Acq: 19 Jul 2018 9:01

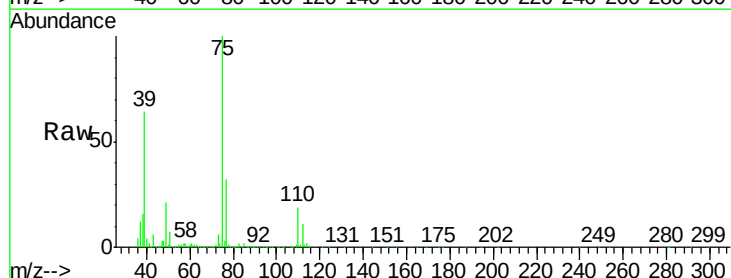
Tgt Ion: 75 Resp: 2639226

Ion Ratio Lower Upper

75 100

39 64.2 49.9 74.9

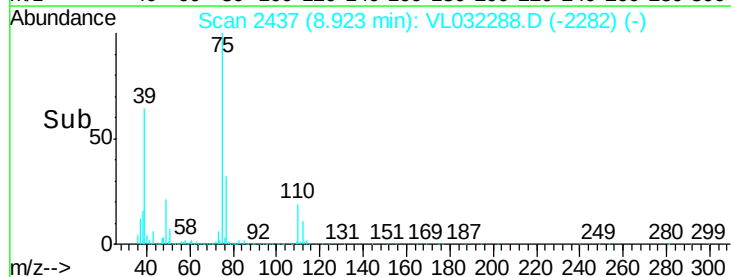
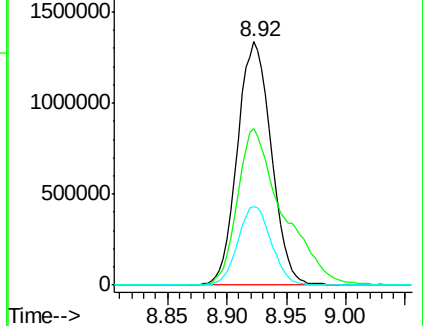
77 32.2 25.0 37.4

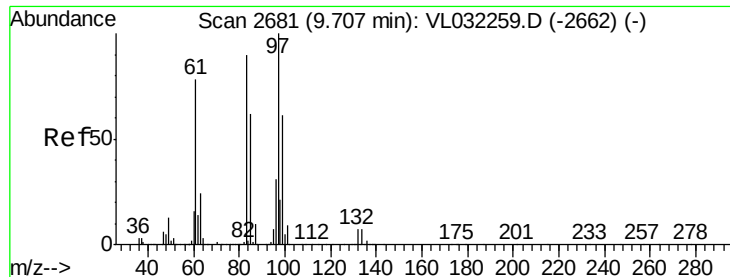


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0



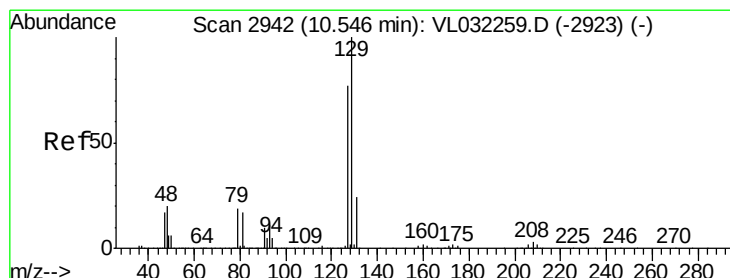
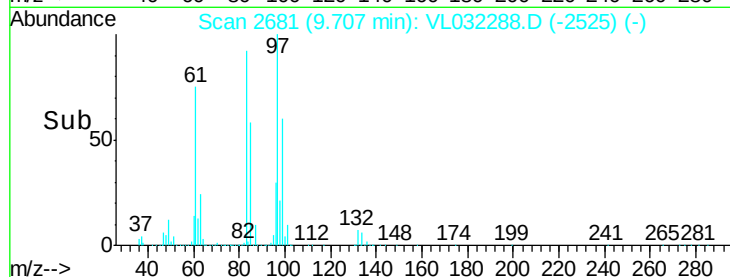
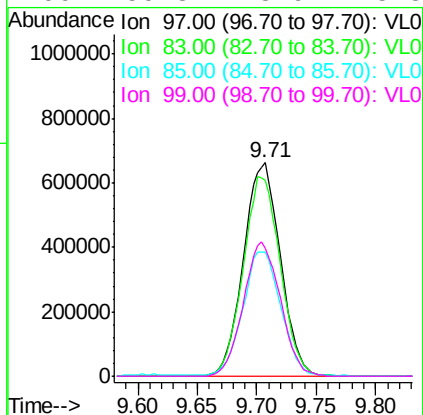
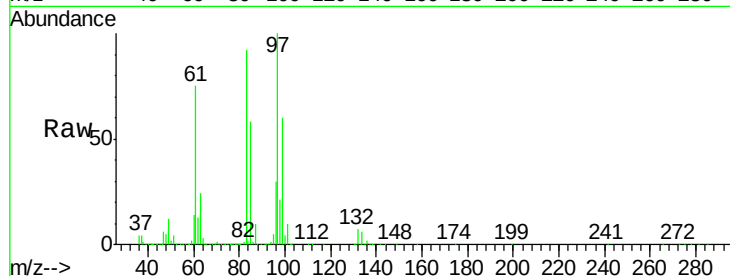


#47
 1,1,2-Trichloroethane
 Concen: 9.364 ppbv
 RT: 9.71 min Scan# 2681
 Delta R.T. 0.00 min
 Lab File: VL032288.D
 Acq: 19 Jul 2018 9:01

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 97 Resp: 1422474

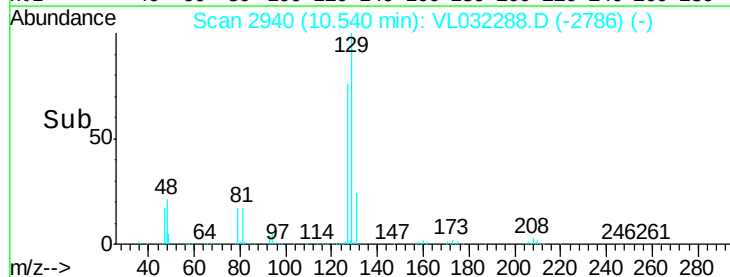
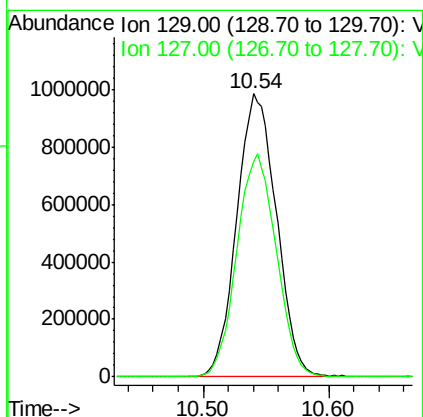
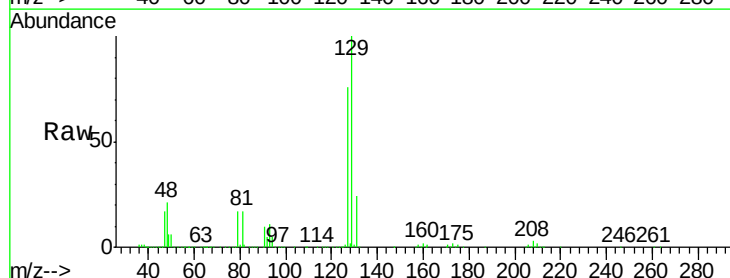
Ion	Ratio	Lower	Upper
97	100		
83	91.5	72.3	108.5
85	57.7	49.5	74.3
99	59.8	48.9	73.3

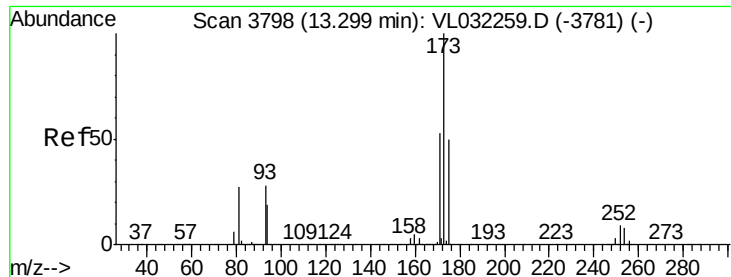


#48
 Dibromochloromethane
 Concen: 9.782 ppbv
 RT: 10.54 min Scan# 2940
 Delta R.T. -0.01 min
 Lab File: VL032288.D
 Acq: 19 Jul 2018 9:01

Tgt Ion: 129 Resp: 2167430

Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.1	117.3





#49

Bromoform

Concen: 10.737 ppbv

RT: 13.30 min Scan# 3797

Delta R.T. -0.00 min

Lab File: VL032288.D

Acq: 19 Jul 2018 9:01

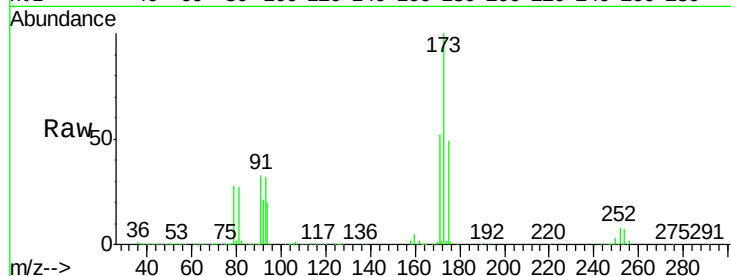
Instrument :

MSVOA_L

ClientSampled :

Tot Ion:173 Resp: 2075950

Ion	Ratio	Lower	Upper
173	100		
175	48.5	39.0	58.6
171	51.9	41.6	62.4

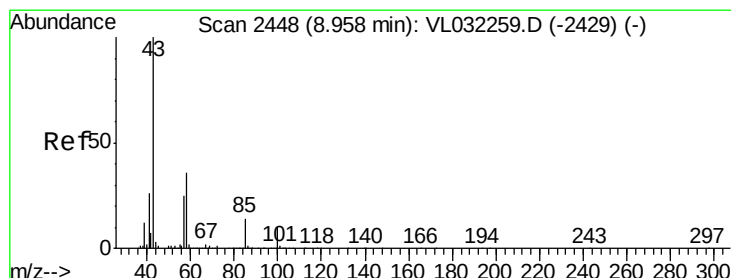
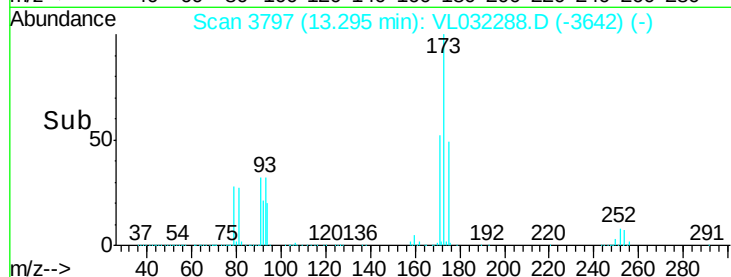
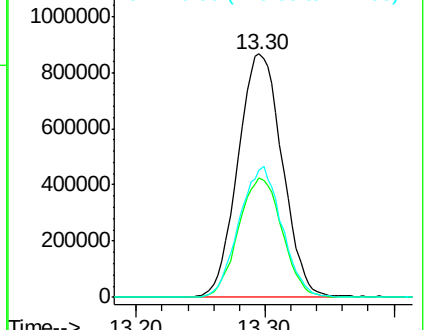


Abundance

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: 11.431 ppbv

RT: 8.96 min Scan# 2448

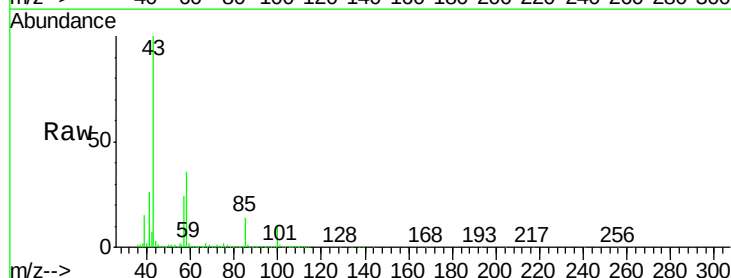
Delta R.T. 0.00 min

Lab File: VL032288.D

Acq: 19 Jul 2018 9:01

Tgt Ion: 43 Resp: 4655968

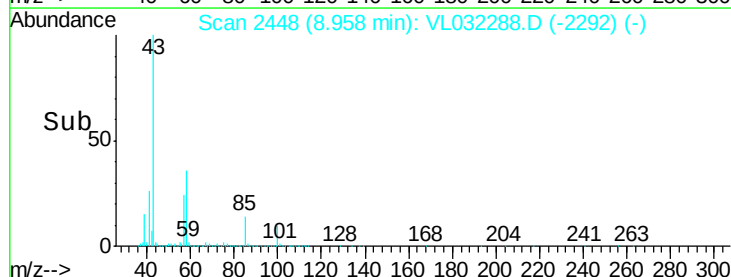
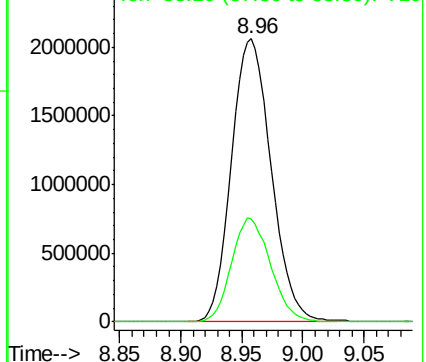
Ion	Ratio	Lower	Upper
43	100		
58	36.2	29.2	43.8

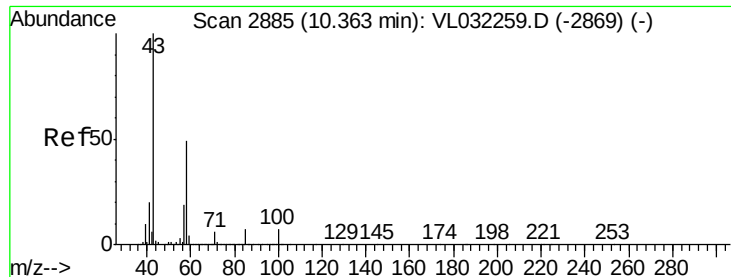


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

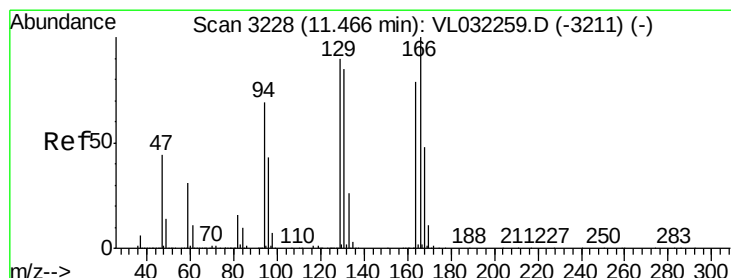
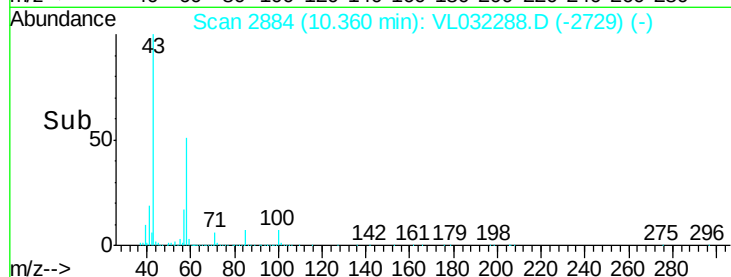
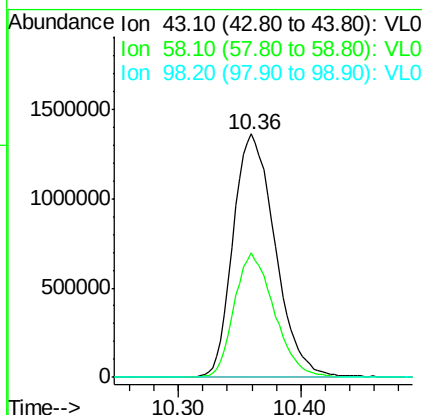
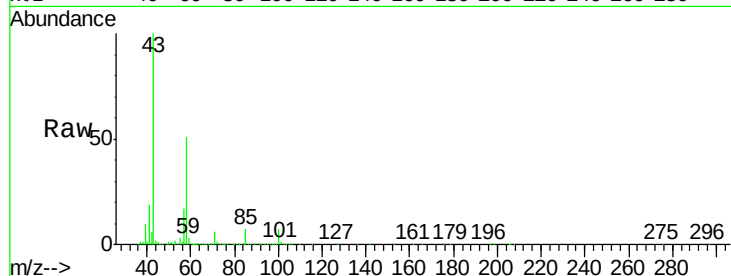




#51
2-Hexanone
Concen: 10.469 ppbv
RT: 10.36 min Scan# 2884
Delta R.T. -0.00 min
Lab File: VL032288.D
Acq: 19 Jul 2018 9:01

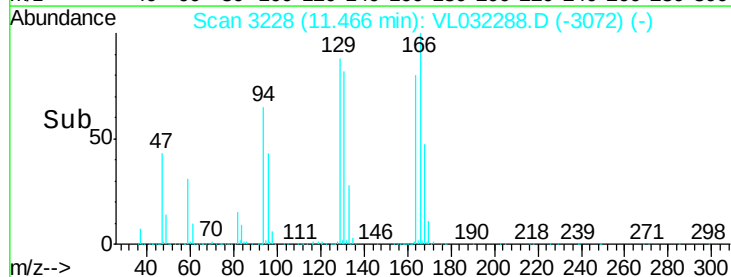
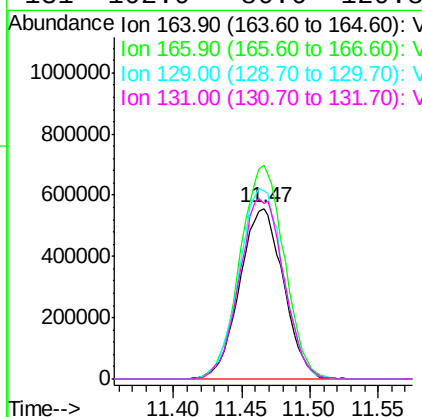
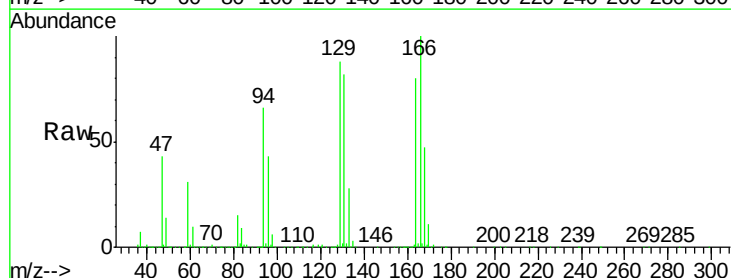
Instrument :
MSVOA_L
ClientSampleId :

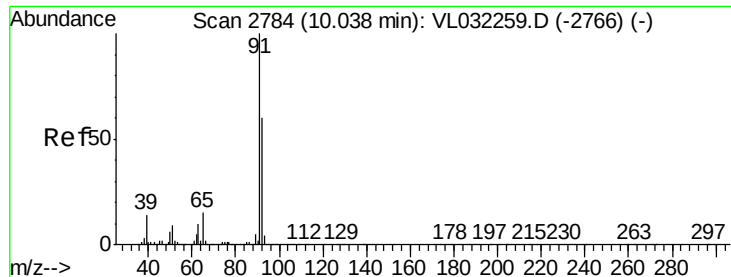
Tot Ion: 43 Resp: 3250606
Ion Ratio Lower Upper
43 100
58 48.9 39.4 59.2
98 0.2 0.2 0.2#



#52
Tetrachloroethene
Concen: 10.210 ppbv
RT: 11.47 min Scan# 3228
Delta R.T. 0.00 min
Lab File: VL032288.D
Acq: 19 Jul 2018 9:01

Tgt Ion:164 Resp: 1238201
Ion Ratio Lower Upper
164 100
166 124.9 101.7 152.5
129 110.2 91.5 137.3
131 102.9 86.6 129.8





#53

Toluene

Concen: 10.849 ppbv

RT: 10.04 min Scan# 2783

Delta R.T. -0.00 min

Lab File: VL032288.D

Acq: 19 Jul 2018 9:01

Instrument :

MSVOA_L

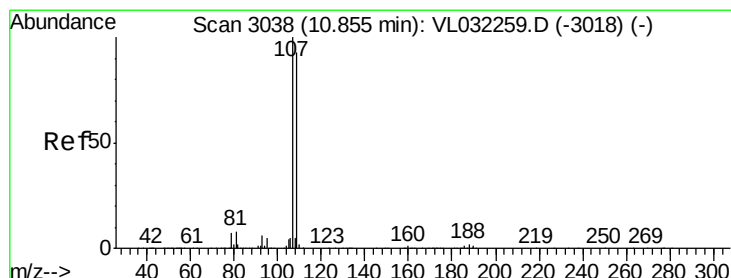
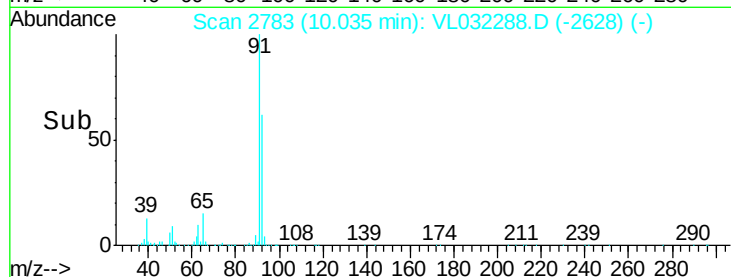
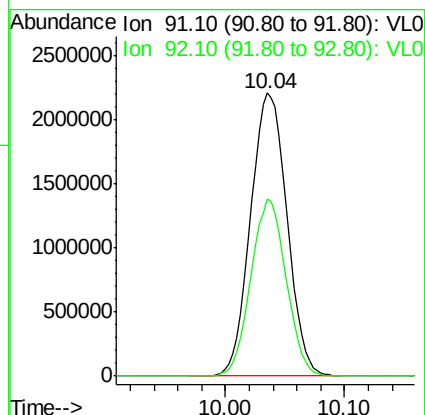
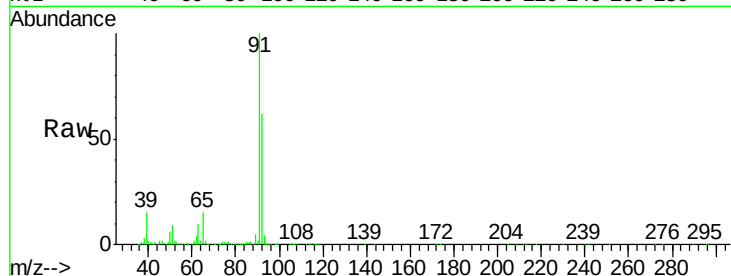
ClientSampleId :

Tot Ion: 91 Resp: 4670265

Ion Ratio Lower Upper

91 100

92 60.7 48.6 72.8



#54

1,2-Dibromoethane

Concen: 10.550 ppbv

RT: 10.85 min Scan# 3037

Delta R.T. -0.00 min

Lab File: VL032288.D

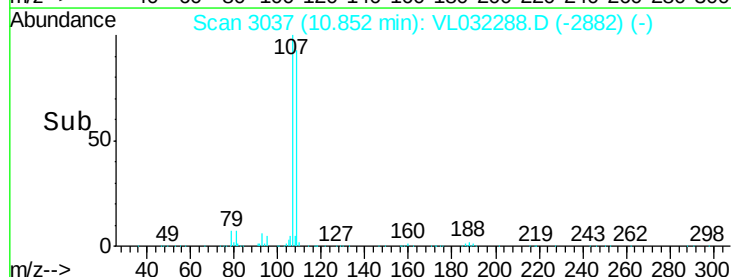
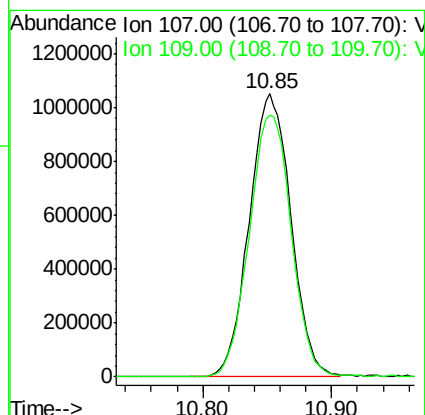
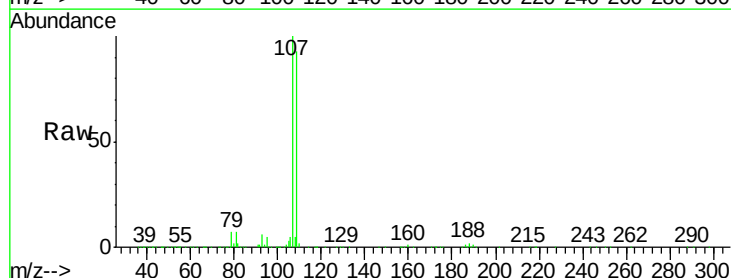
Acq: 19 Jul 2018 9:01

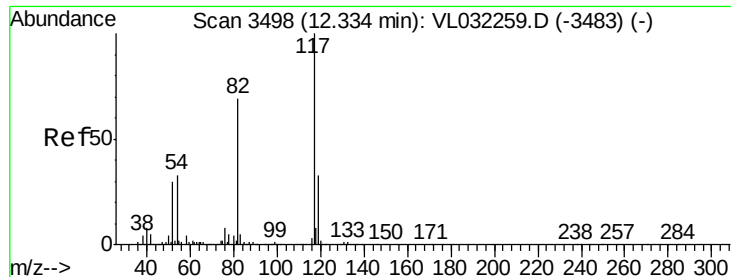
Tgt Ion:107 Resp: 2364536

Ion Ratio Lower Upper

107 100

109 92.5 74.8 112.2

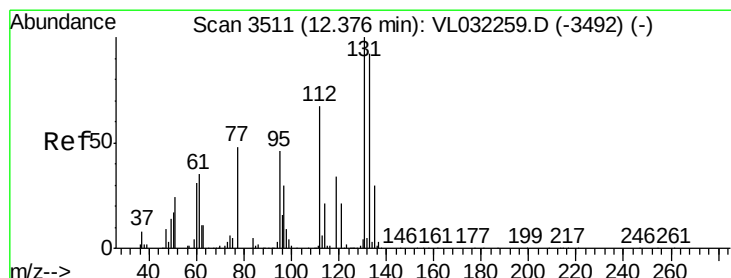
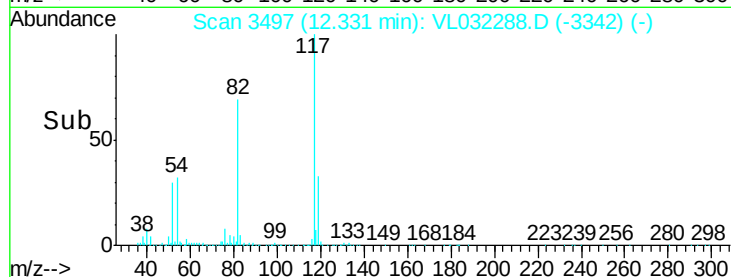
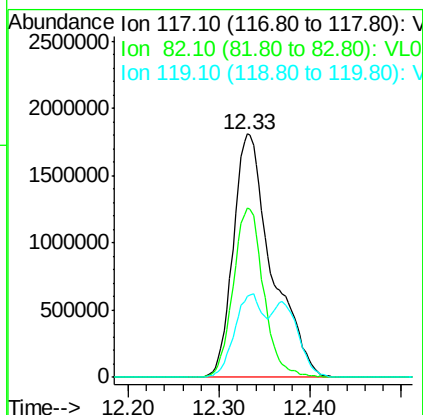
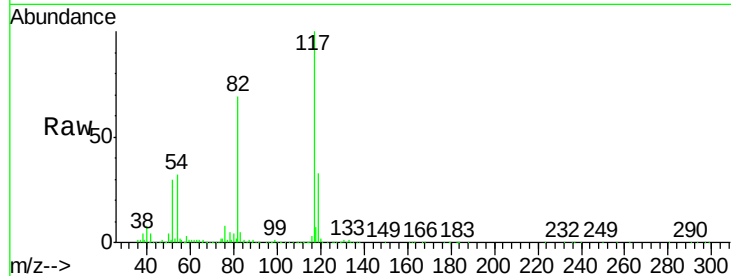




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.33 min Scan# 3497
Delta R.T. -0.00 min
Lab File: VL032288.D
Acq: 19 Jul 2018 9:01

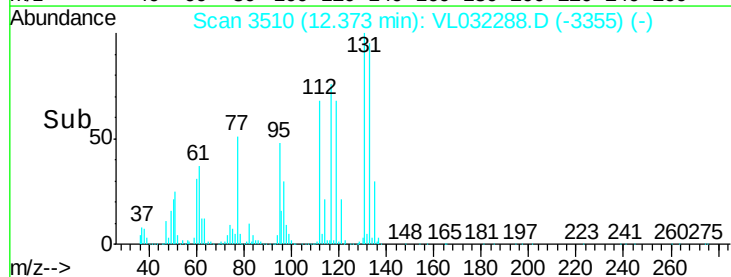
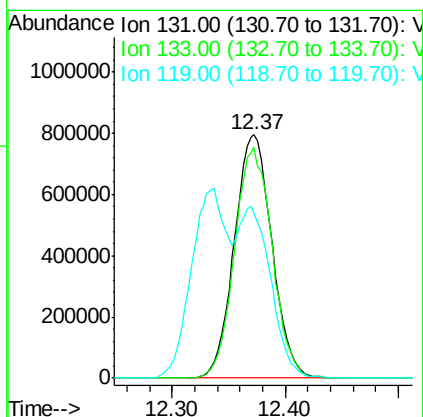
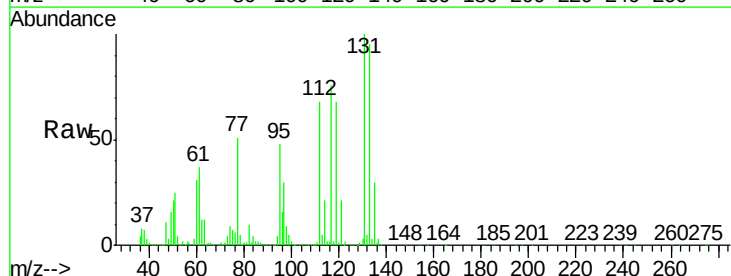
Instrument :
MSVOA_L
ClientSampleId :

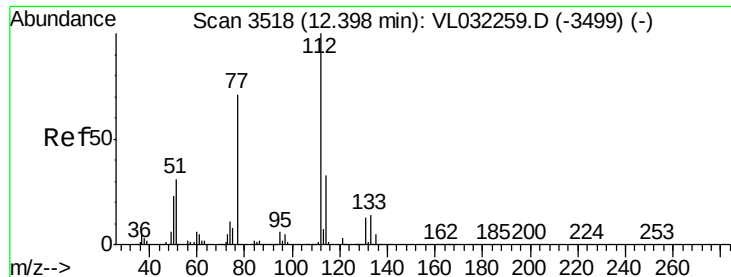
Tot Ion:117 Resp: 5338304
Ion Ratio Lower Upper
117 100
82 55.0 53.9 80.9
119 24.4 25.5 38.3#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.731 ppbv
RT: 12.37 min Scan# 3510
Delta R.T. -0.00 min
Lab File: VL032288.D
Acq: 19 Jul 2018 9:01

Tgt Ion:131 Resp: 1838155
Ion Ratio Lower Upper
131 100
133 94.7 75.4 113.0
119 57.8 49.4 74.2





#57

Chlorobenzene

Concen: 7.734 ppbv

RT: 12.40 min Scan# 3517

Delta R.T. -0.00 min

Lab File: VL032288.D

Acq: 19 Jul 2018 9:01

Instrument :

MSVOA_L

ClientSampleId :

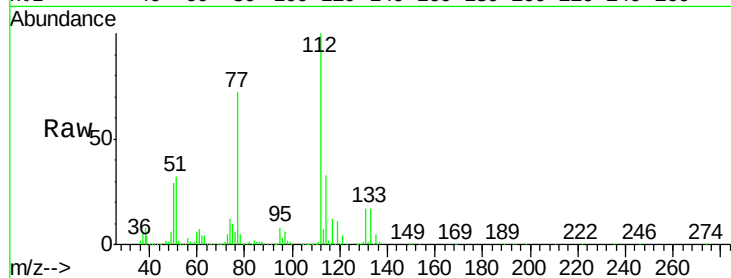
Tot Ion:112 Resp: 3386784

Ion Ratio Lower Upper

112 100

77 71.8 58.2 87.4

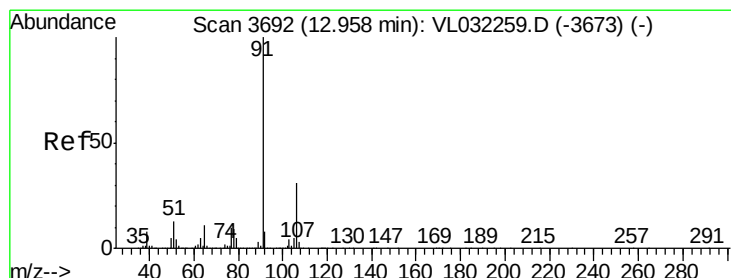
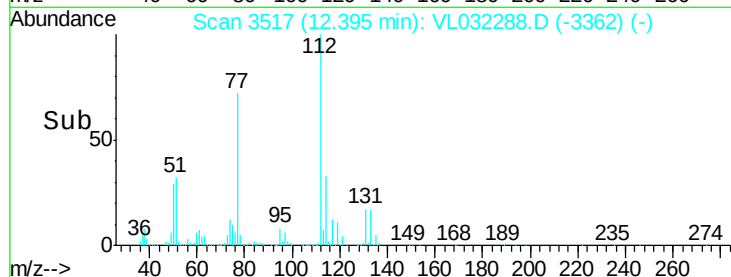
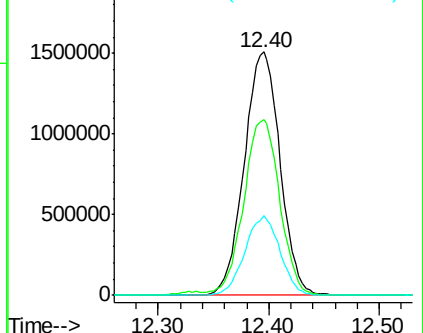
114 32.7 29.5 36.1



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: 8.352 ppbv

RT: 12.95 min Scan# 3691

Delta R.T. -0.00 min

Lab File: VL032288.D

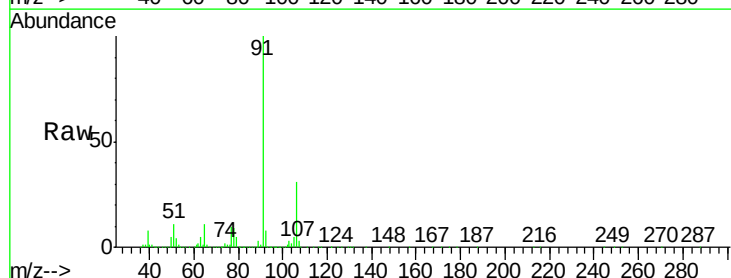
Acq: 19 Jul 2018 9:01

Tgt Ion: 91 Resp: 6283035

Ion Ratio Lower Upper

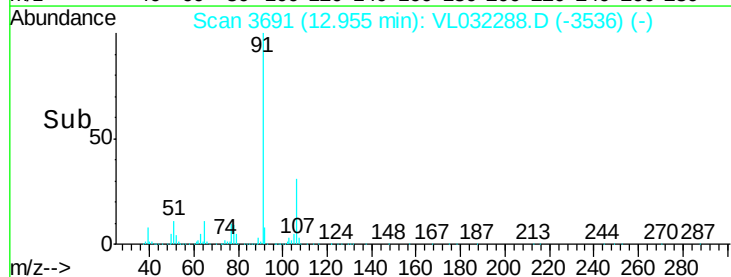
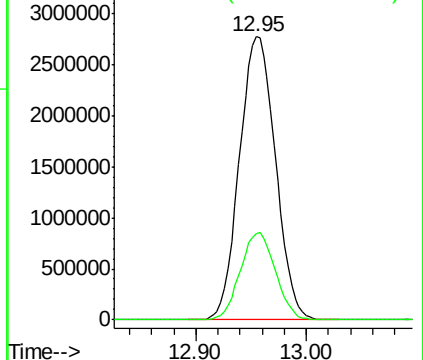
91 100

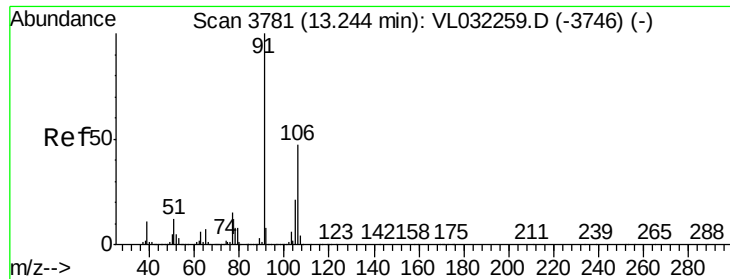
106 30.6 24.5 36.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

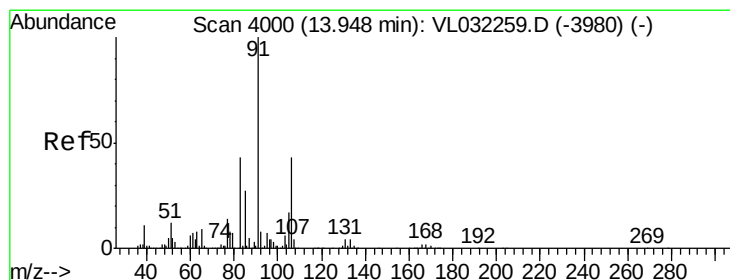
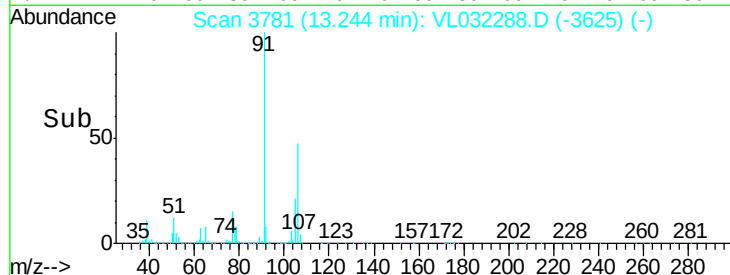
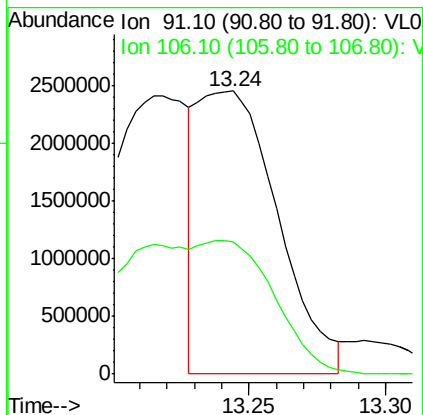
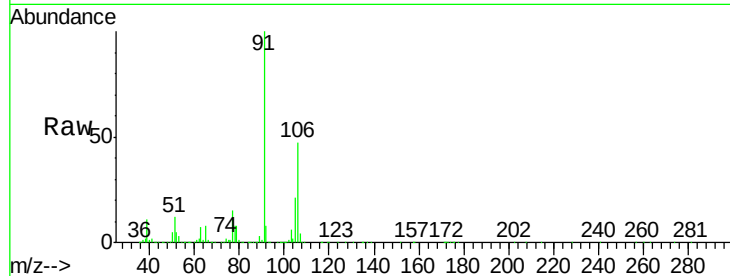




#59
m/p-Xylene
Concen: 7.747 ppbv
RT: 13.24 min Scan# 3781
Delta R.T. 0.00 min
Lab File: VL032288.D
Acq: 19 Jul 2018 9:01

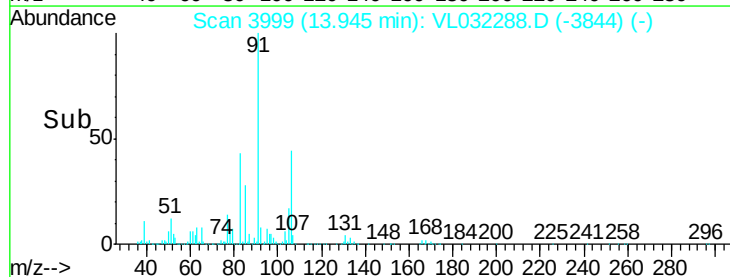
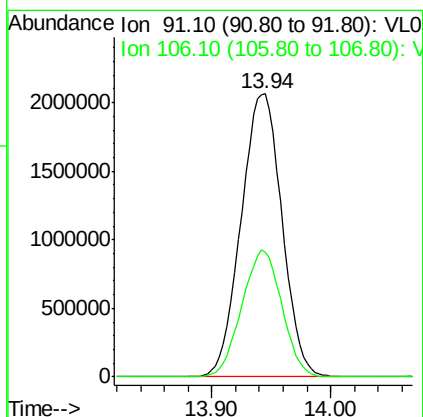
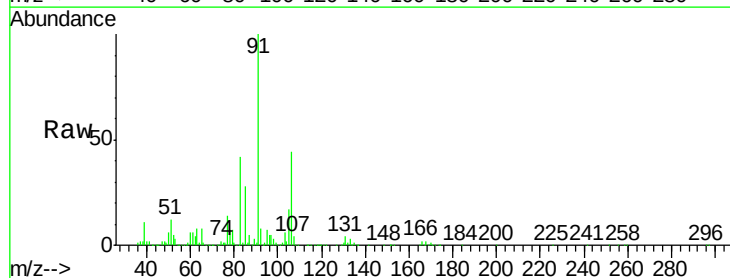
Instrument :
MSVOA_L
ClientSampled :

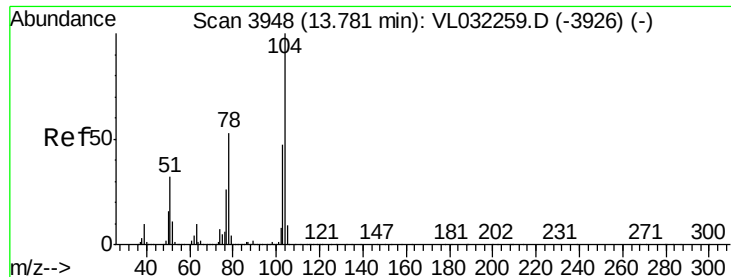
Tot Ion: 91 Resp: 4971678
Ion Ratio Lower Upper
91 100
106 93.2 36.2 54.2#



#60
o-Xylene
Concen: 7.672 ppbv
RT: 13.94 min Scan# 3999
Delta R.T. -0.00 min
Lab File: VL032288.D
Acq: 19 Jul 2018 9:01

Tgt Ion: 91 Resp: 4903514
Ion Ratio Lower Upper
91 100
106 44.0 21.7 65.1

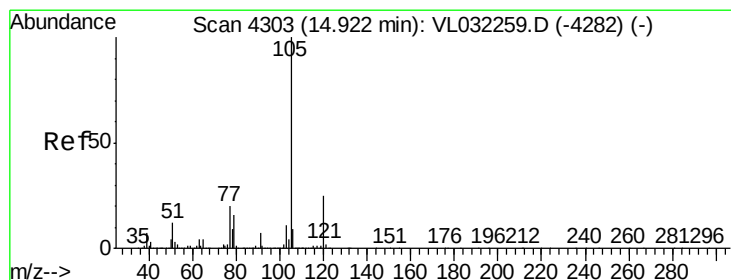
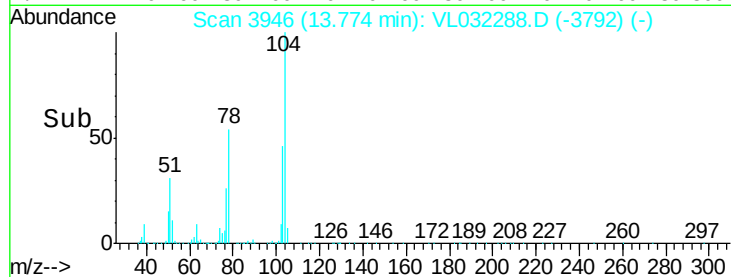
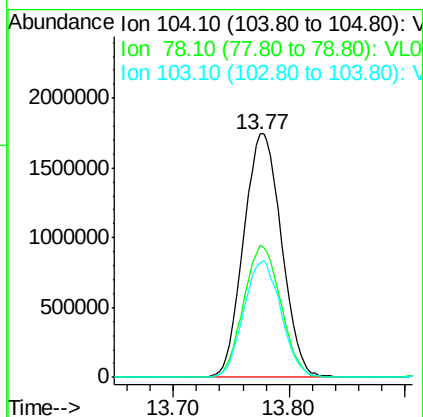
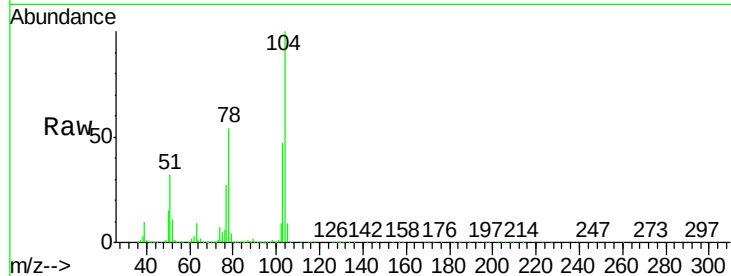




#61
Stvrene
Concen: 8.369 ppbv
RT: 13.77 min Scan# 3946
Delta R.T. -0.01 min
Lab File: VL032288.D
Acq: 19 Jul 2018 9:01

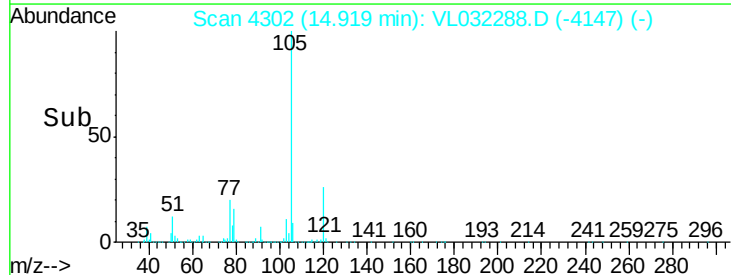
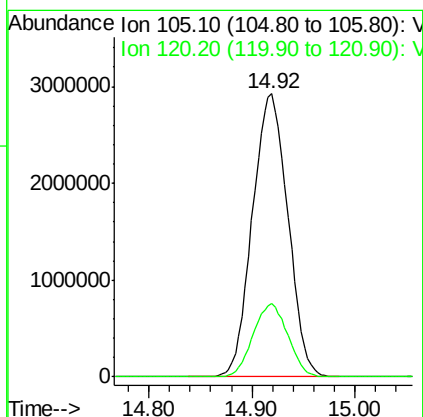
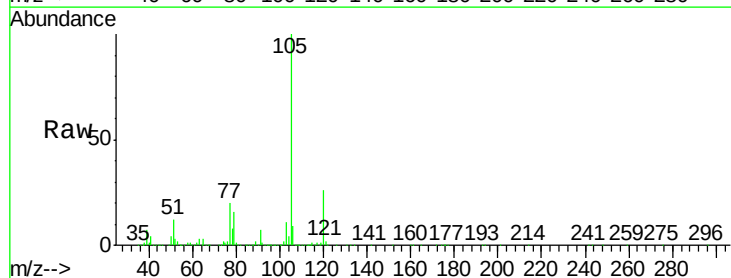
Instrument :
MSVOA_L
ClientSampled :

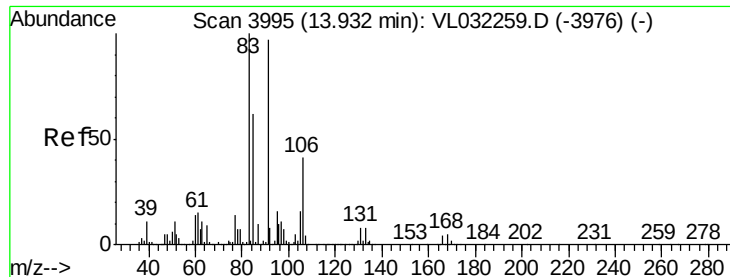
Tot Ion:104 Resp: 3971778
Ion Ratio Lower Upper
104 100
78 53.1 43.2 64.8
103 47.2 37.8 56.6



#62
Isopropylbenzene
Concen: 7.600 ppbv
RT: 14.92 min Scan# 4302
Delta R.T. -0.00 min
Lab File: VL032288.D
Acq: 19 Jul 2018 9:01

Tgt Ion:105 Resp: 6962966
Ion Ratio Lower Upper
105 100
120 25.5 20.2 30.4





#63

1,1,2,2-Tetrachloroethane

Concen: 6.625 ppbv

RT: 13.93 min Scan# 3994

Delta R.T. -0.00 min

Lab File: VL032288.D

Acq: 19 Jul 2018 9:01

Instrument :

MSVOA_L

ClientSampleId :

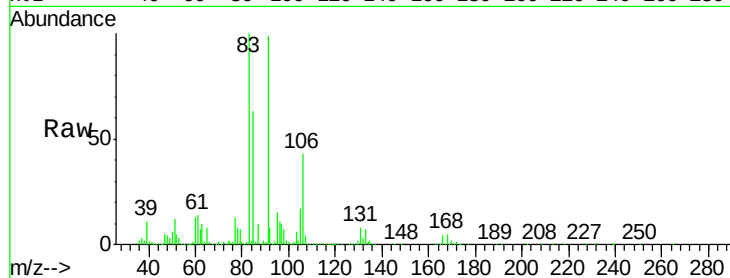
Tot Ion: 83 Resp: 3610195

Ion	Ratio	Lower	Upper
83	100		
131	8.2	4.2	12.6
85	64.7	32.2	96.6

83 100

131 8.2 4.2 12.6

85 64.7 32.2 96.6



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

13.93

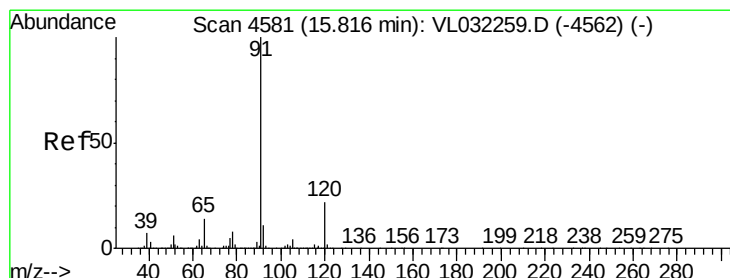
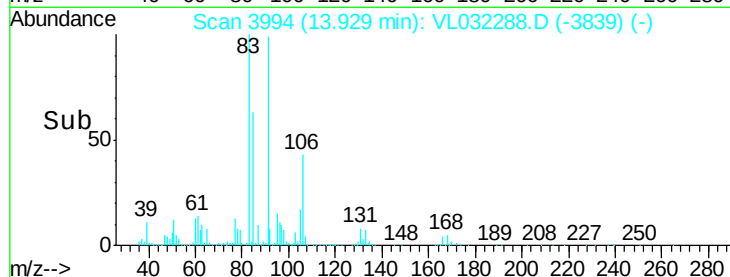
1500000

1000000

500000

0

Time--> 13.80 13.90 14.00



#64

n-propylbenzene

Concen: 7.638 ppbv

RT: 15.81 min Scan# 4579

Delta R.T. -0.01 min

Lab File: VL032288.D

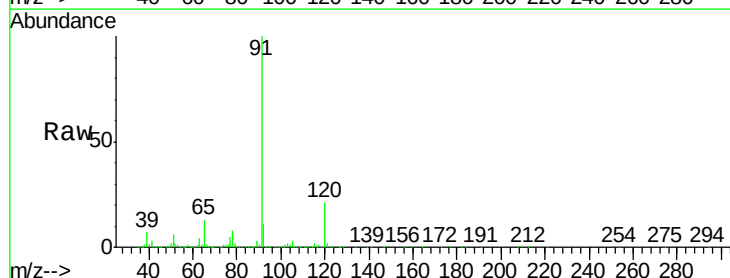
Acq: 19 Jul 2018 9:01

Tgt Ion: 120 Resp: 1796866

Ion	Ratio	Lower	Upper
120	100		
91	487.9	384.4	576.6

120 100

91 487.9 384.4 576.6



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

4000000

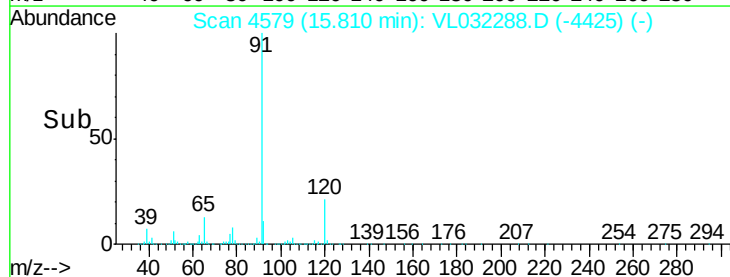
3000000

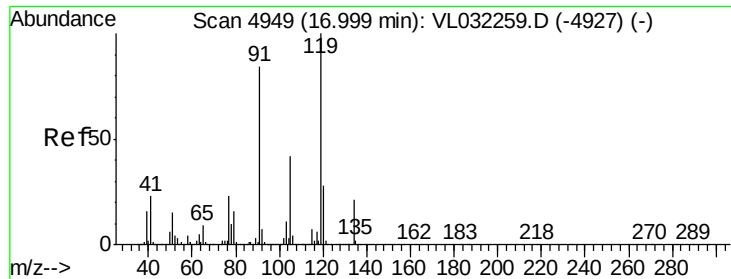
2000000

1000000

0

Time--> 15.70 15.80 15.90

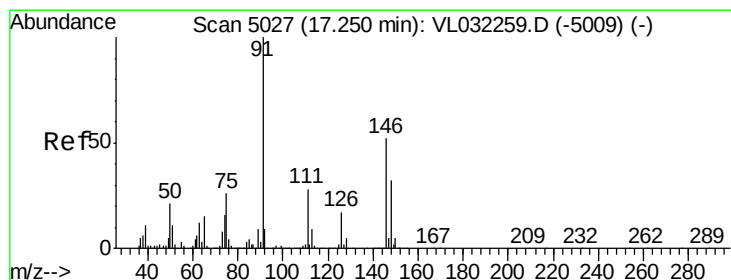
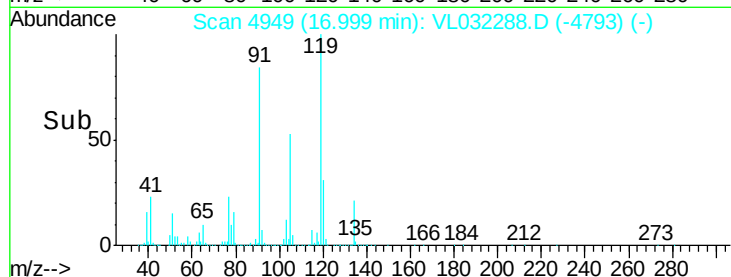
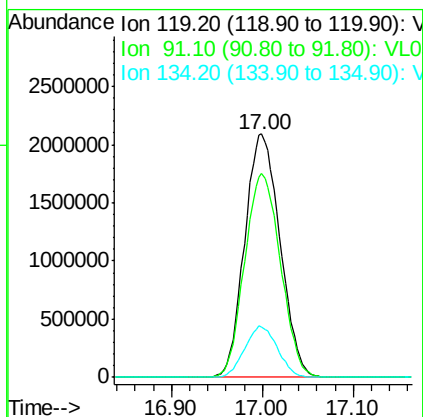
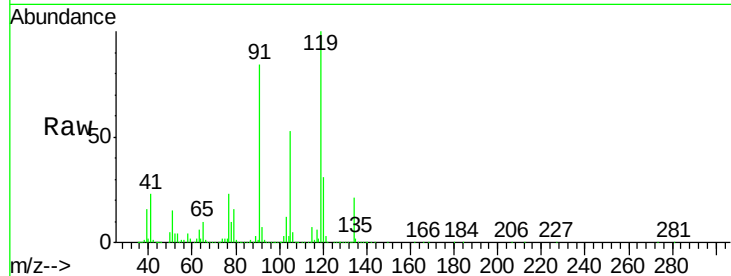




#65
tert-Butylbenzene
Concen: 7.219 ppbv
RT: 17.00 min Scan# 4949
Delta R.T. 0.00 min
Lab File: VL032288.D
Acq: 19 Jul 2018 9:01

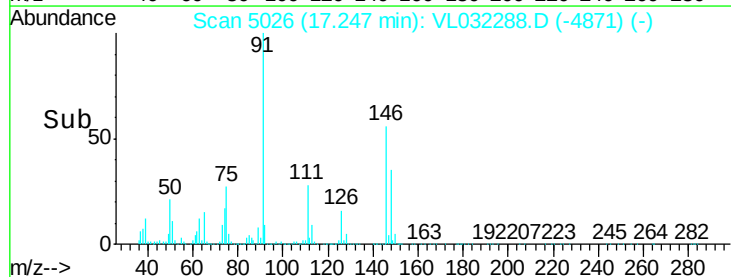
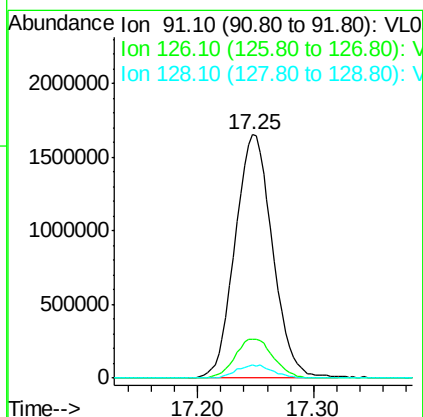
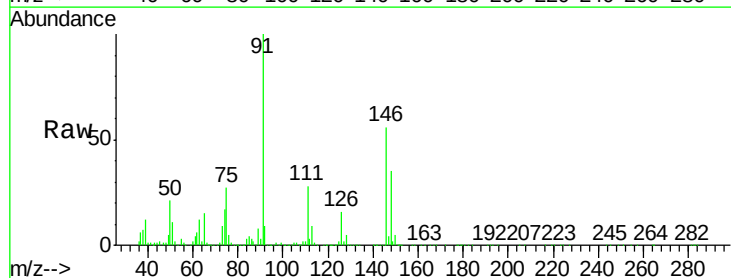
Instrument :
MSVOA_L
ClientSampleId :

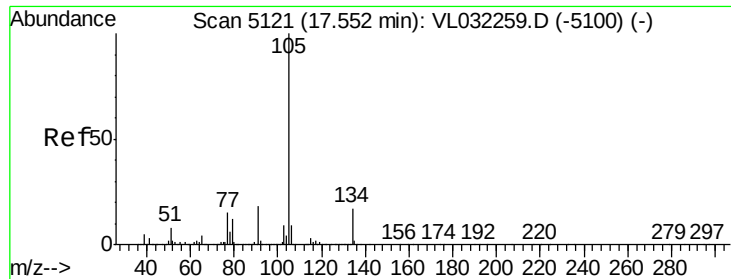
Tot Ion:119 Resp: 5635433
Ion Ratio Lower Upper
119 100
91 84.9 68.2 102.4
134 19.5 15.6 23.4



#66
Benzyl Chloride
Concen: 8.411 ppbv
RT: 17.25 min Scan# 5026
Delta R.T. -0.00 min
Lab File: VL032288.D
Acq: 19 Jul 2018 9:01

Tgt Ion: 91 Resp: 3696799
Ion Ratio Lower Upper
91 100
126 16.4 13.4 20.2
128 5.2 4.3 6.5





#67

sec-Butylbenzene

Concen: 7.297 ppbv

RT: 17.55 min Scan# 5120

Delta R.T. -0.00 min

Lab File: VL032288.D

Acq: 19 Jul 2018 9:01

Instrument :

MSVOA_L

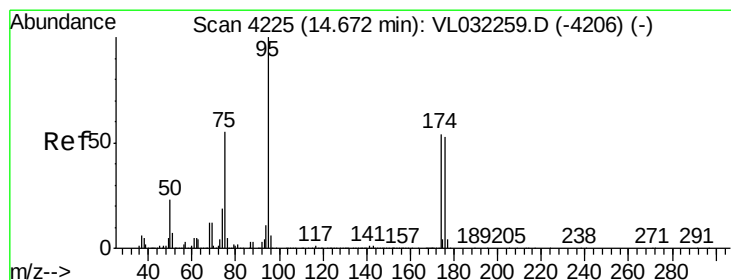
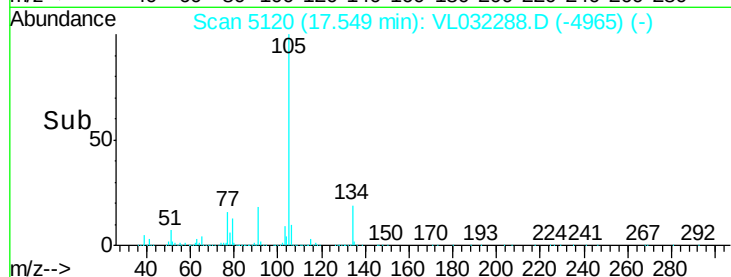
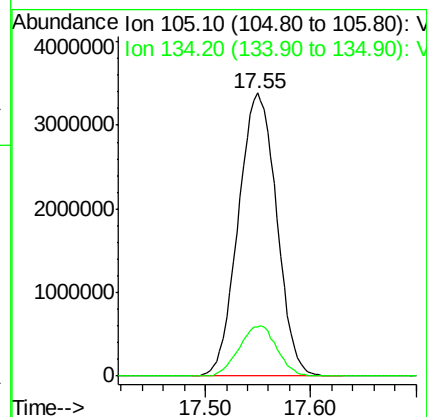
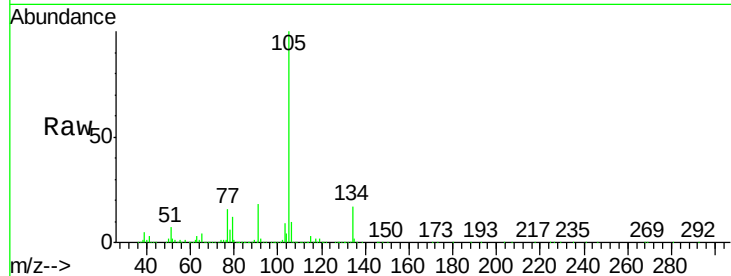
ClientSampleId :

Tot Ion:105 Resp: 8498933

Ion Ratio Lower Upper

105 100

134 17.6 14.0 21.0



#68

1-Bromo-4-Fluorobenzene

Concen: 7.640 ppbv

RT: 14.67 min Scan# 4224

Delta R.T. -0.00 min

Lab File: VL032288.D

Acq: 19 Jul 2018 9:01

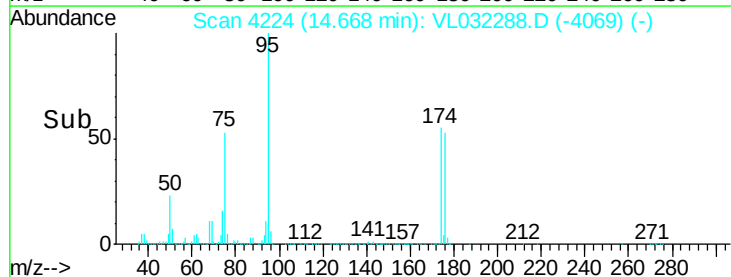
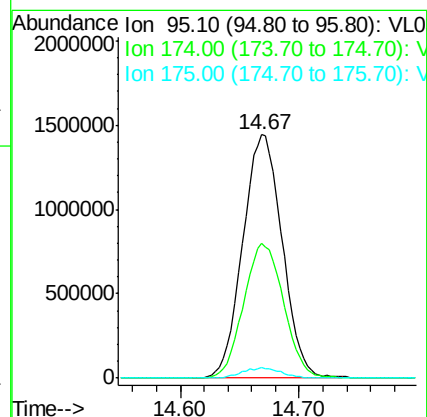
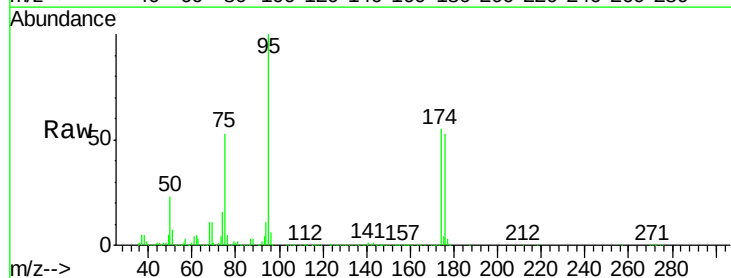
Tgt Ion: 95 Resp: 3306548

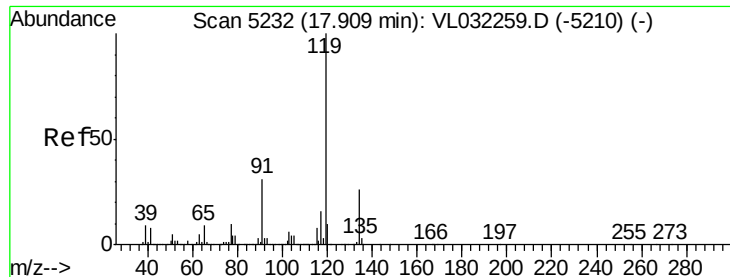
Ion Ratio Lower Upper

95 100

174 56.6 44.3 66.5

175 4.2 3.3 4.9

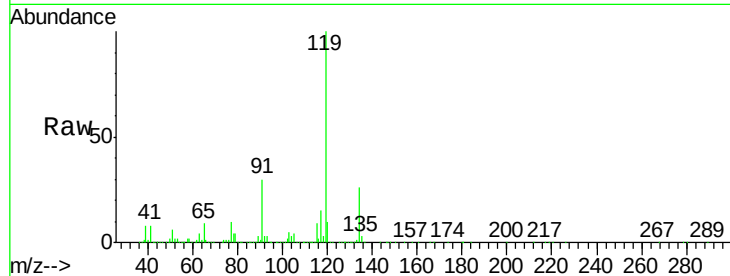




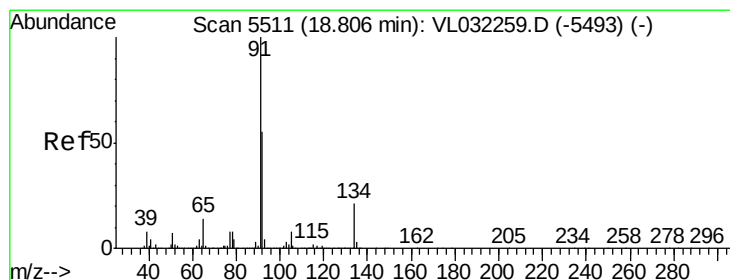
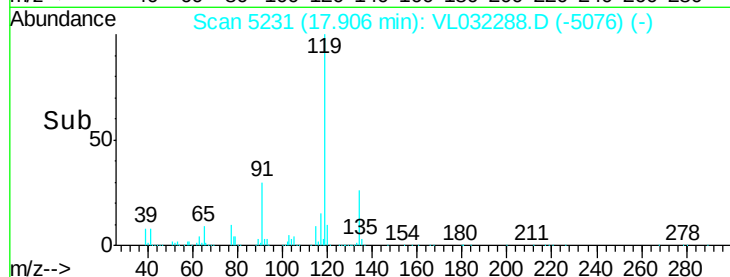
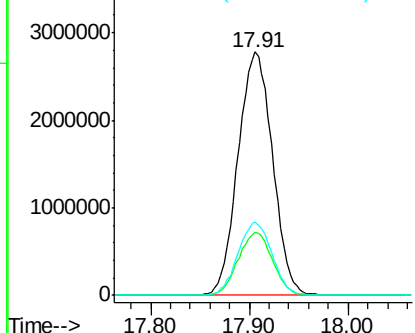
#69
 p-Isopropyltoluene
 Concen: 7.509 ppbv
 RT: 17.91 min Scan# 5231
 Delta R.T. -0.00 min
 Lab File: VL032288.D
 Acq: 19 Jul 2018 9:01

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:119 Resp: 6755806
 Ion Ratio Lower Upper
 119 100
 134 25.5 20.3 30.5
 91 29.7 24.1 36.1

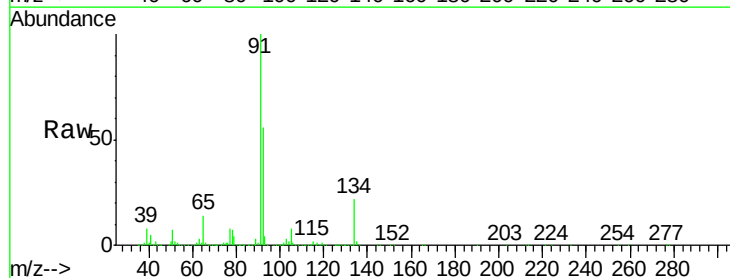


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

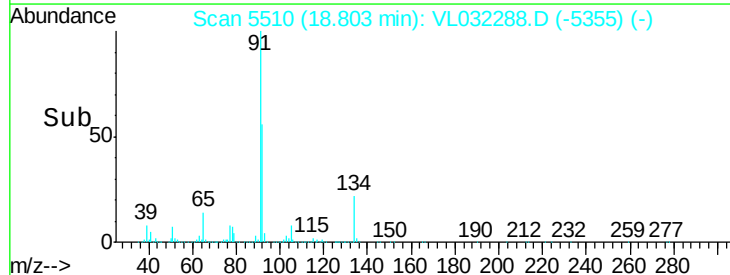
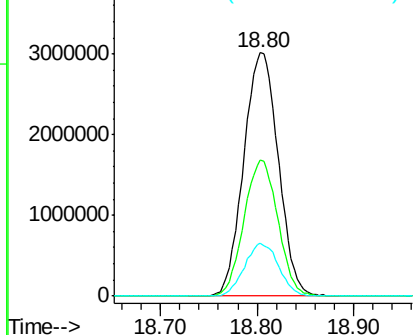


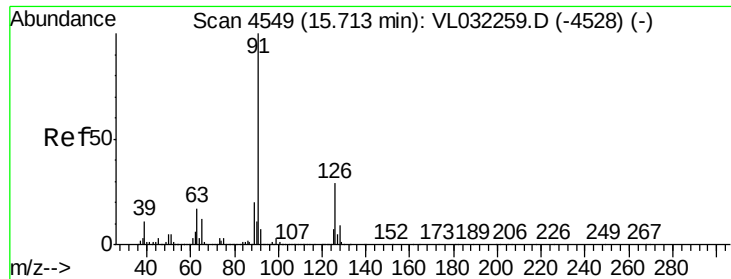
#70
 n-Butylbenzene
 Concen: 7.459 ppbv
 RT: 18.80 min Scan# 5510
 Delta R.T. -0.00 min
 Lab File: VL032288.D
 Acq: 19 Jul 2018 9:01

Tgt Ion: 91 Resp: 7485659
 Ion Ratio Lower Upper
 91 100
 92 54.8 43.8 65.6
 134 21.4 17.1 25.7



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





#71

2-Chlorotoluene

Concen: 7.550 ppbv

RT: 15.71 min Scan# 4548

Delta R.T. -0.00 min

Lab File: VL032288.D

Acq: 19 Jul 2018 9:01

Instrument :

MSVOA_L

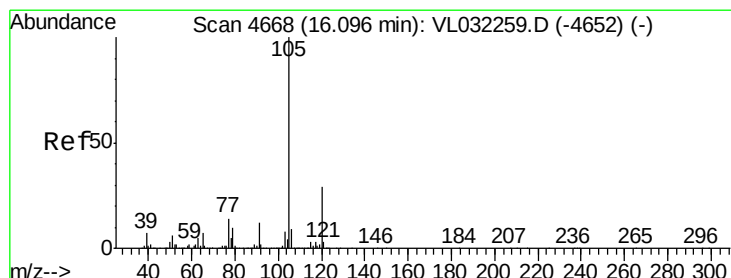
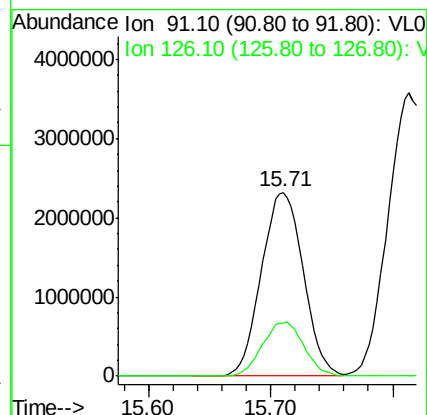
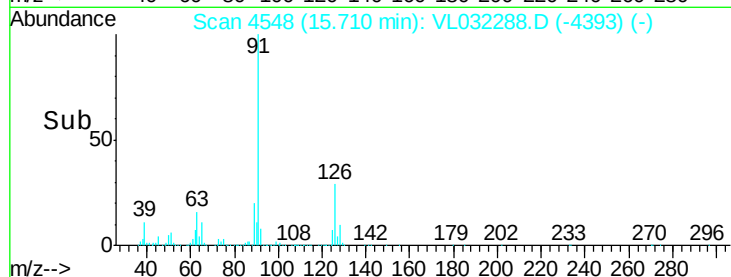
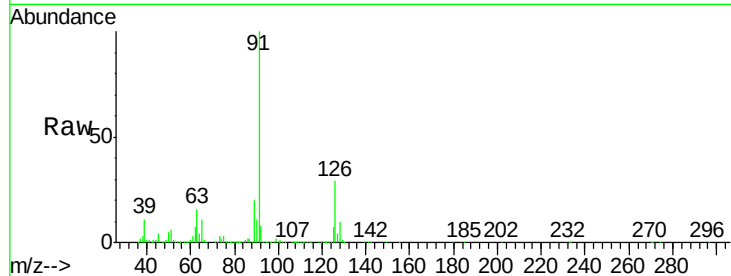
ClientSampleId :

Tot Ion: 91 Resp: 5544593

Ion Ratio Lower Upper

91 100

126 29.2 11.6 46.2



#72

4-Ethyltoluene

Concen: 7.847 ppbv

RT: 16.09 min Scan# 4667

Delta R.T. -0.00 min

Lab File: VL032288.D

Acq: 19 Jul 2018 9:01

Tgt Ion: 105 Resp: 5793881

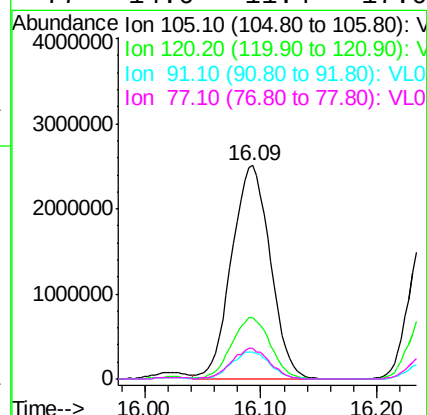
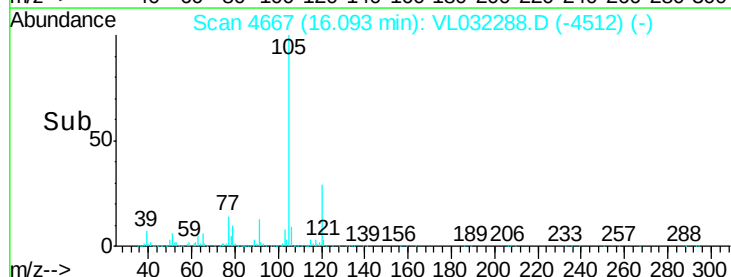
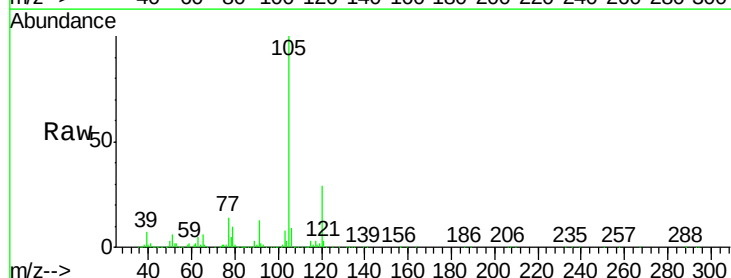
Ion Ratio Lower Upper

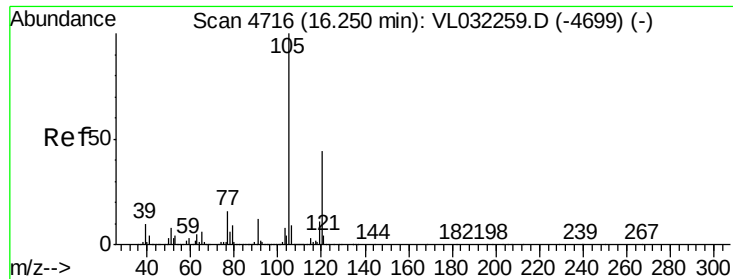
105 100

120 28.9 23.0 34.6

91 12.6 10.1 15.1

77 14.0 11.4 17.0





#73

1,3,5-Trimethylbenzene

Concen: 7.598 ppbv

RT: 16.25 min Scan# 4715

Delta R.T. -0.00 min

Lab File: VL032288.D

Acq: 19 Jul 2018 9:01

Instrument :

MSVOA_L

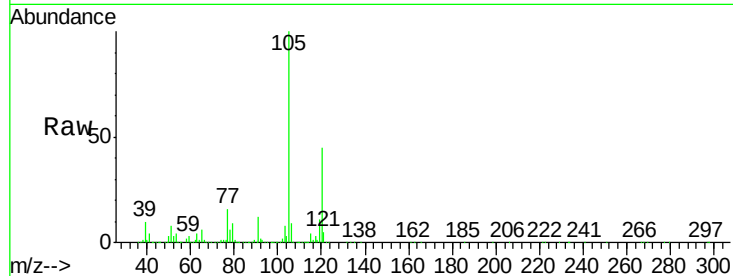
ClientSampleId :

Tot Ion:105 Resp: 5485243

Ion Ratio Lower Upper

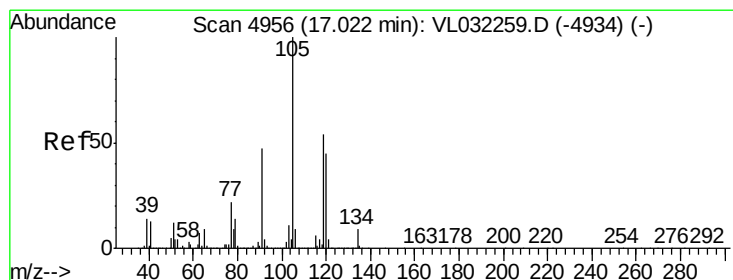
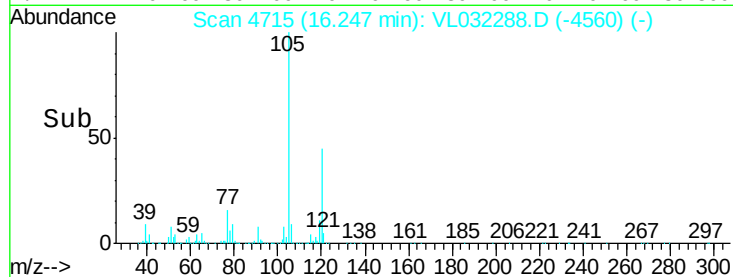
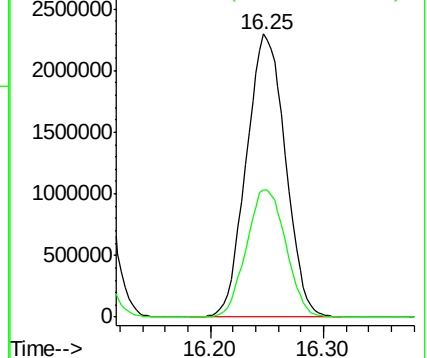
105 100

120 45.0 35.5 53.3



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 7.152 ppbv

RT: 17.02 min Scan# 4956

Delta R.T. 0.00 min

Lab File: VL032288.D

Acq: 19 Jul 2018 9:01

Tgt Ion:105 Resp: 5404877

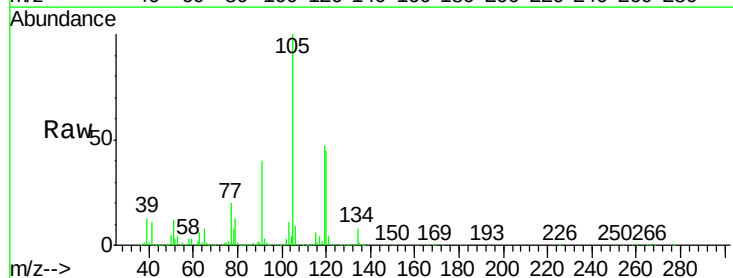
Ion Ratio Lower Upper

105 100

120 44.9 35.8 53.6

91 39.7 38.2 57.4

77 19.9 17.5 26.3

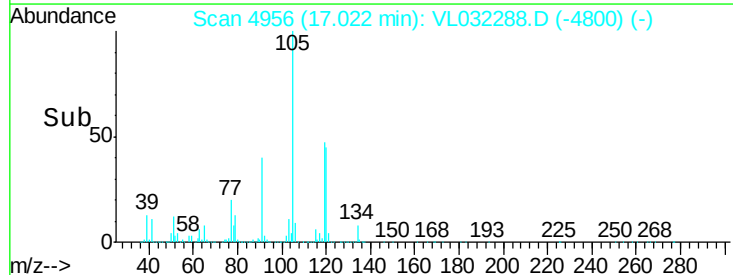
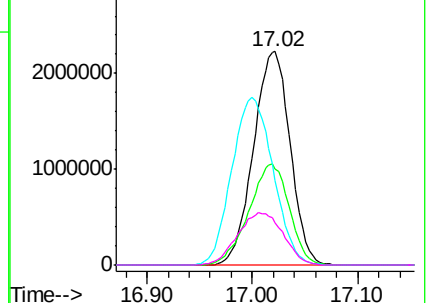


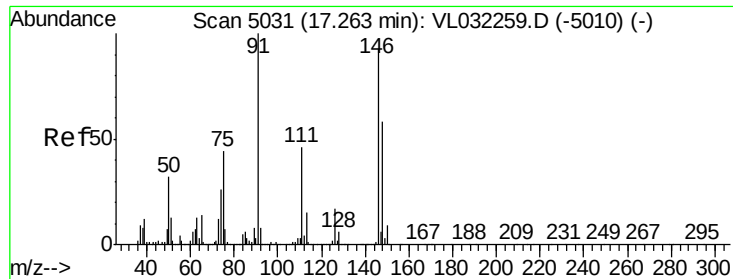
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

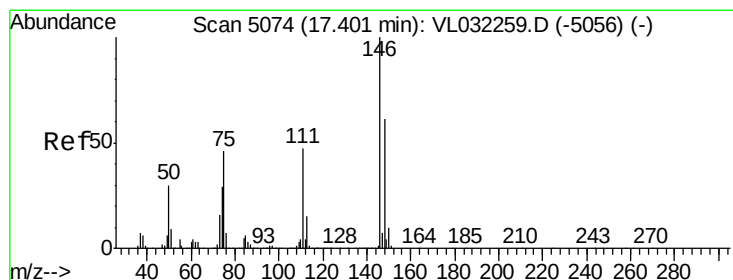
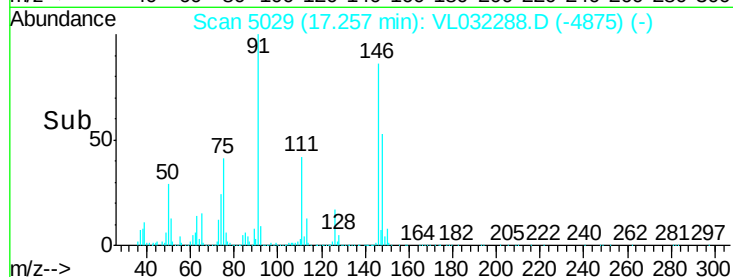
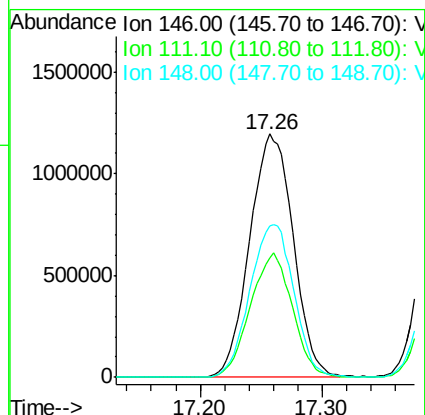
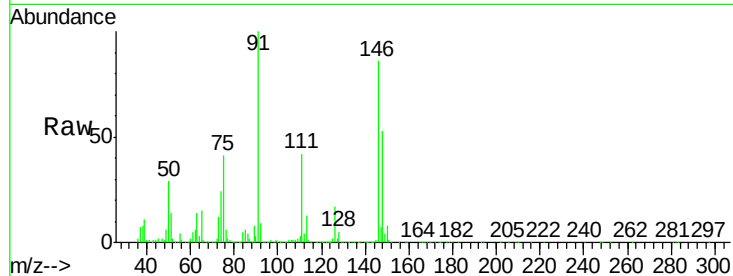




#75
 1,3-Dichlorobenzene
 Concen: 7.039 ppbv
 RT: 17.26 min Scan# 5029
 Delta R.T. -0.01 min
 Lab File: VL032288.D
 Acq: 19 Jul 2018 9:01

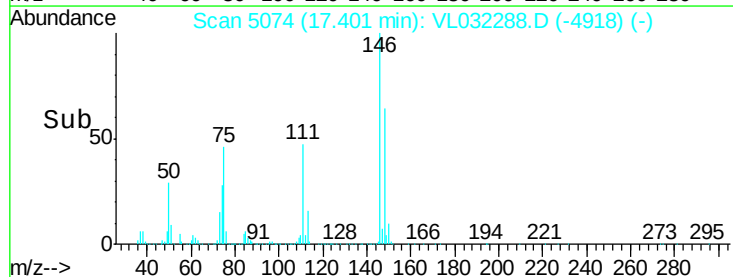
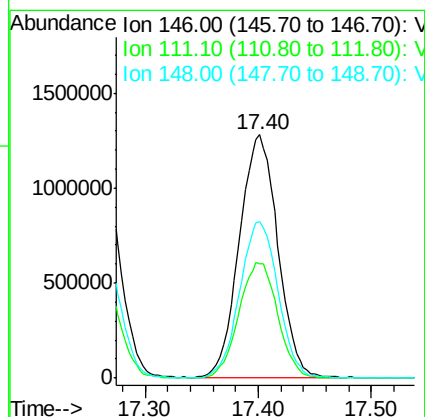
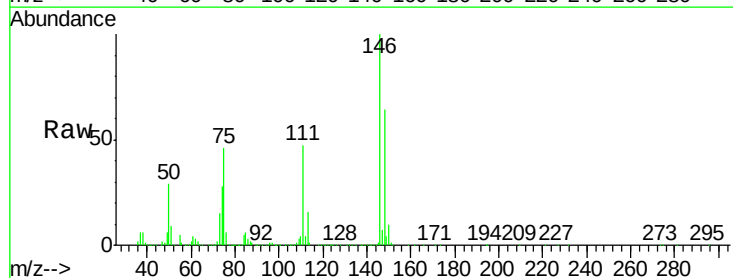
Instrument :
 MSVOA_L
 ClientSampleId :

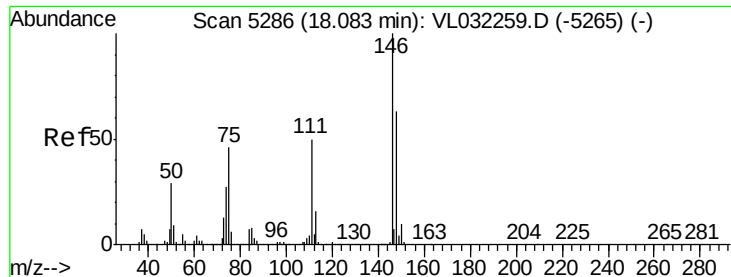
Tot Ion:146 Resp: 2955822
 Ion Ratio Lower Upper
 146 100
 111 49.4 25.1 75.4
 148 63.4 31.8 95.3



#76
 1,4-Dichlorobenzene
 Concen: 7.261 ppbv
 RT: 17.40 min Scan# 5074
 Delta R.T. 0.00 min
 Lab File: VL032288.D
 Acq: 19 Jul 2018 9:01

Tgt Ion:146 Resp: 3024181
 Ion Ratio Lower Upper
 146 100
 111 48.0 24.1 72.2
 148 64.1 31.9 95.9

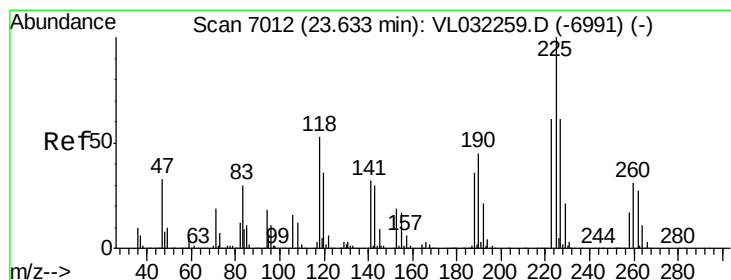
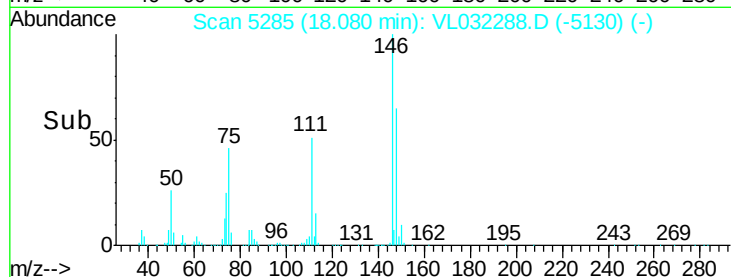
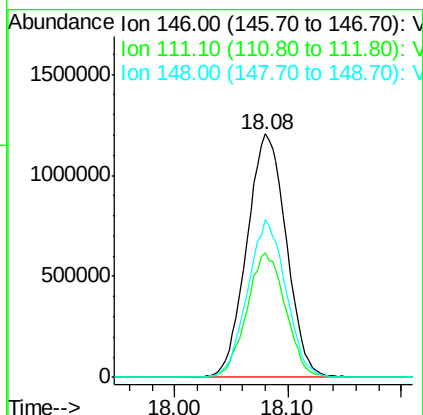
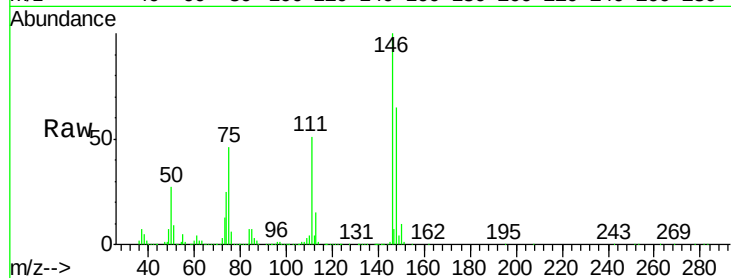




#77
 1,2-Dichlorobenzene
 Concen: 7.194 ppbv
 RT: 18.08 min Scan# 5285
 Delta R.T. -0.00 min
 Lab File: VL032288.D
 Acq: 19 Jul 2018 9:01

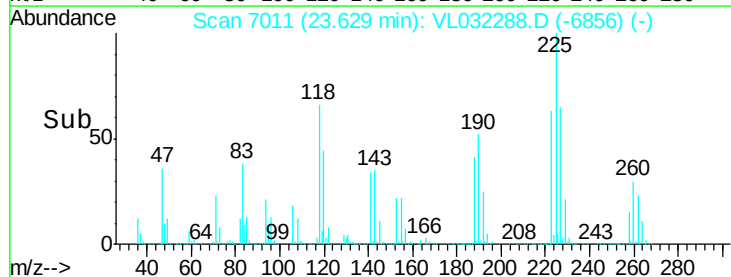
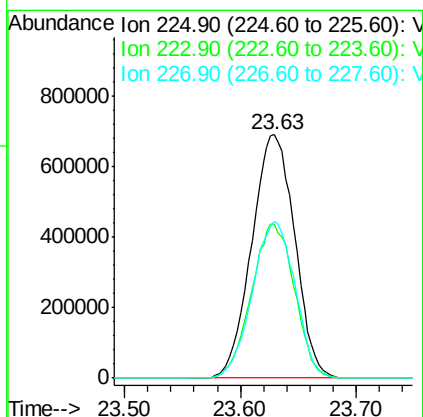
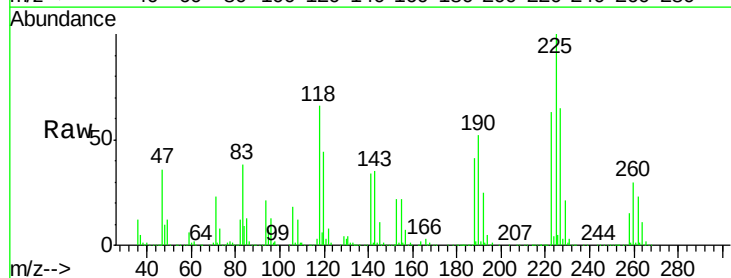
Instrument :
 MSVOA_L
 ClientSampleId :

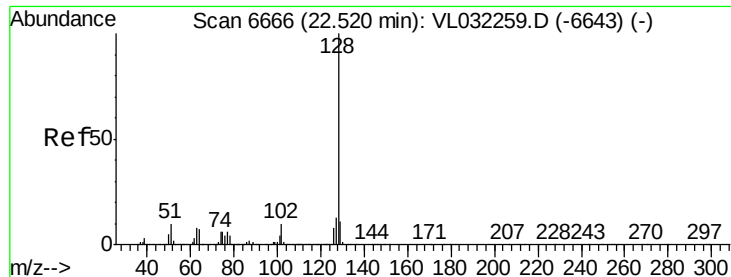
Tot Ion:146 Resp: 2920180
 Ion Ratio Lower Upper
 146 100
 111 50.3 25.6 76.8
 148 63.0 31.9 95.5



#78
 Hexachloro-1,3-Butadiene
 Concen: 13.537 ppbv
 RT: 23.63 min Scan# 7011
 Delta R.T. -0.00 min
 Lab File: VL032288.D
 Acq: 19 Jul 2018 9:01

Tgt Ion:225 Resp: 1781354
 Ion Ratio Lower Upper
 225 100
 223 63.3 50.6 75.8
 227 63.9 51.5 77.3





#79

Naphthalene

Concen: 8.123 ppbv

RT: 22.52 min Scan# 6665

Delta R.T. -0.00 min

Lab File: VL032288.D

Acq: 19 Jul 2018 9:01

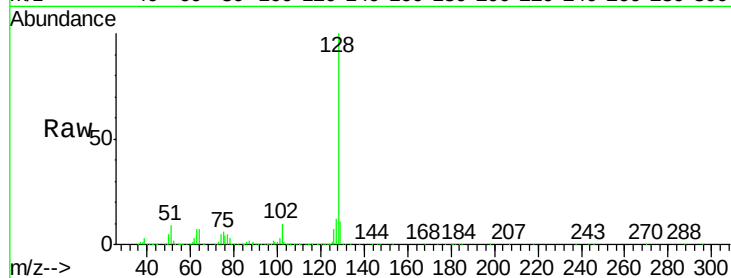
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:128 Resp: 5155182

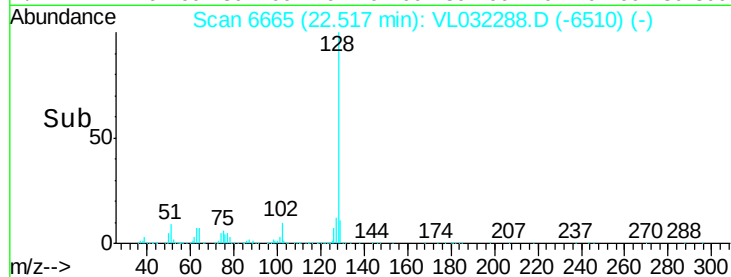
Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.5	15.7
129	10.8	8.6	12.8



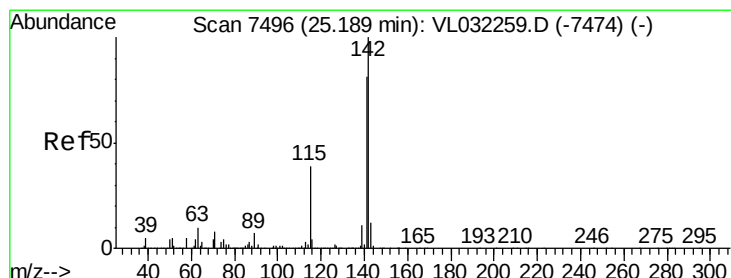
Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



Time-->



#80

Naphthalene, 2-methyl-

Concen: 8.701 ppbv

RT: 25.18 min Scan# 7494

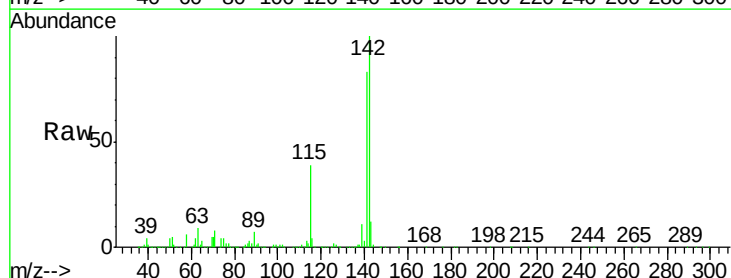
Delta R.T. -0.01 min

Lab File: VL032288.D

Acq: 19 Jul 2018 9:01

Tgt Ion:142 Resp: 2345867

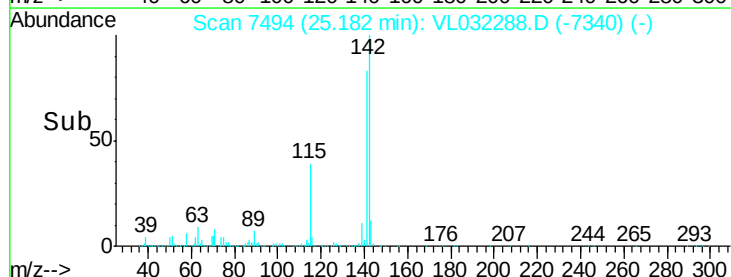
Ion	Ratio	Lower	Upper
142	100		
141	83.8	67.1	100.7
115	39.8	32.5	48.7



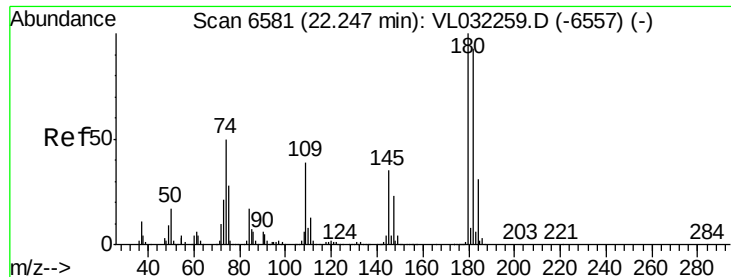
Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V



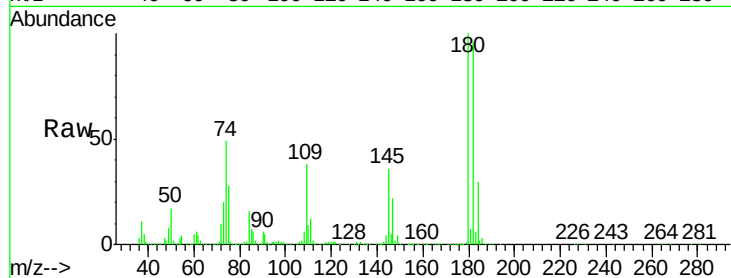
Time-->



#81
 1,2,4-Trichlorobenzene
 Concen: 7.822 ppbv
 RT: 22.24 min Scan# 6579
 Delta R.T. -0.01 min
 Lab File: VL032288.D
 Acq: 19 Jul 2018 9:01

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 2420634
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.6 114.8
 184 30.4 24.4 36.6



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

