

Data File : VL032376.D
Acq On : 16 Aug 2018 7:58
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleID :
VSTDCCC010EC

Quant Time: Aug 16 08:21:51 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018
QLast Update : Wed Aug 15 14:58:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.82	49	1461624	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.35	114	3442335	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.31	117	3962707	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.65	95	2540226	8.40	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	84.00%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.11	85	1558901	13.418	ppbv	98
3) Chlorodifluoromethane	3.05	51	1295032	9.564	ppbv	99
4) Chloromethane	3.21	50	767125	9.520	ppbv	98
5) Vinyl Chloride	3.33	62	730866	9.515	ppbv	97
6) Bromomethane	3.55	94	418071	10.152	ppbv	100
7) Chloroethane	3.64	64	262254	9.736	ppbv	99
8) Dichlorotetrafluoroethane	3.26	85	1571937	9.517	ppbv	98
9) Propene	3.07	41	628902	10.853	ppbv	99
10) Heptane	8.31	43	2090369	11.977	ppbv	99
11) Trichlorofluoromethane	4.05	101	1609346	9.845	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.60	101	1059106	9.621	ppbv	99
13) Ethanol	3.69	45	178364	11.985	ppbv	99
14) Bromoethene	3.83	108	490864	10.310	ppbv	100
15) Acetone	3.95	43	1238629	8.919	ppbv	98
16) 1,3-Butadiene	3.40	39	631762	11.019	ppbv	85
17) tert-Butyl alcohol	4.41	59	276186	11.853	ppbv	100
18) 1,1-Dichloroethene	4.40	96	526724	10.269	ppbv	95
19) Isopropyl Alcohol	4.07	45	1054624	11.278	ppbv #	19
20) Methylene Chloride	4.46	84	452694	8.631	ppbv	97
21) Allyl Chloride	4.53	41	937512	10.696	ppbv	96
22) trans-1,2-Dichloroethene	5.02	96	519516	10.044	ppbv	99
23) Vinyl Acetate	5.21	43	2376409	9.910	ppbv	99
24) 1,1-Dichloroethane	5.14	63	1569936	9.067	ppbv	100
25) Ethyl Acetate	5.82	43	2926923	9.835	ppbv	99
26) Hexane	5.84	57	1275347	9.613	ppbv	95
27) Carbon Disulfide	4.67	76	1316803	10.634	ppbv	98
28) Methyl tert-Butyl Ether	5.16	73	1950258	11.077	ppbv	99
29) Chloroform	5.91	83	1839308	9.460	ppbv	99
30) Cyclohexane	7.31	84	1234586	12.216	ppbv	97
31) cis-1,2-Dichloroethene	5.69	61	1482085	11.419	ppbv	98
32) 1,1,1-Trichloroethane	6.68	97	2067799	10.928	ppbv	98
34) 2-Butanone	5.38	43	2184738	9.325	ppbv	100
35) Carbon Tetrachloride	7.20	117	1935459	9.536	ppbv	98
36) Benzene	7.07	78	2769621	9.490	ppbv	99
37) 1,2-Dichloroethane	6.47	62	1634158	9.229	ppbv	99
38) Trichloroethene	8.02	130	986939	9.642	ppbv	98
39) 1,2-Dichloropropane	7.80	63	1135457	9.314	ppbv	98
40) 1,4-Dioxane	8.02	88	408780	11.039	ppbv	92
41) Tetrahydrofuran	6.20	42	1290496	10.260	ppbv	99
42) Bromodichloromethane	7.98	83	2281618	9.841	ppbv	99
43) Methyl Methacrylate	8.20	69	1229957	10.577	ppbv	98

Data File : VL032376.D
Acq On : 16 Aug 2018 7:58
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Quant Time: Aug 16 08:21:51 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018
QLast Update : Wed Aug 15 14:58:02 2018
Response via : Initial Calibration

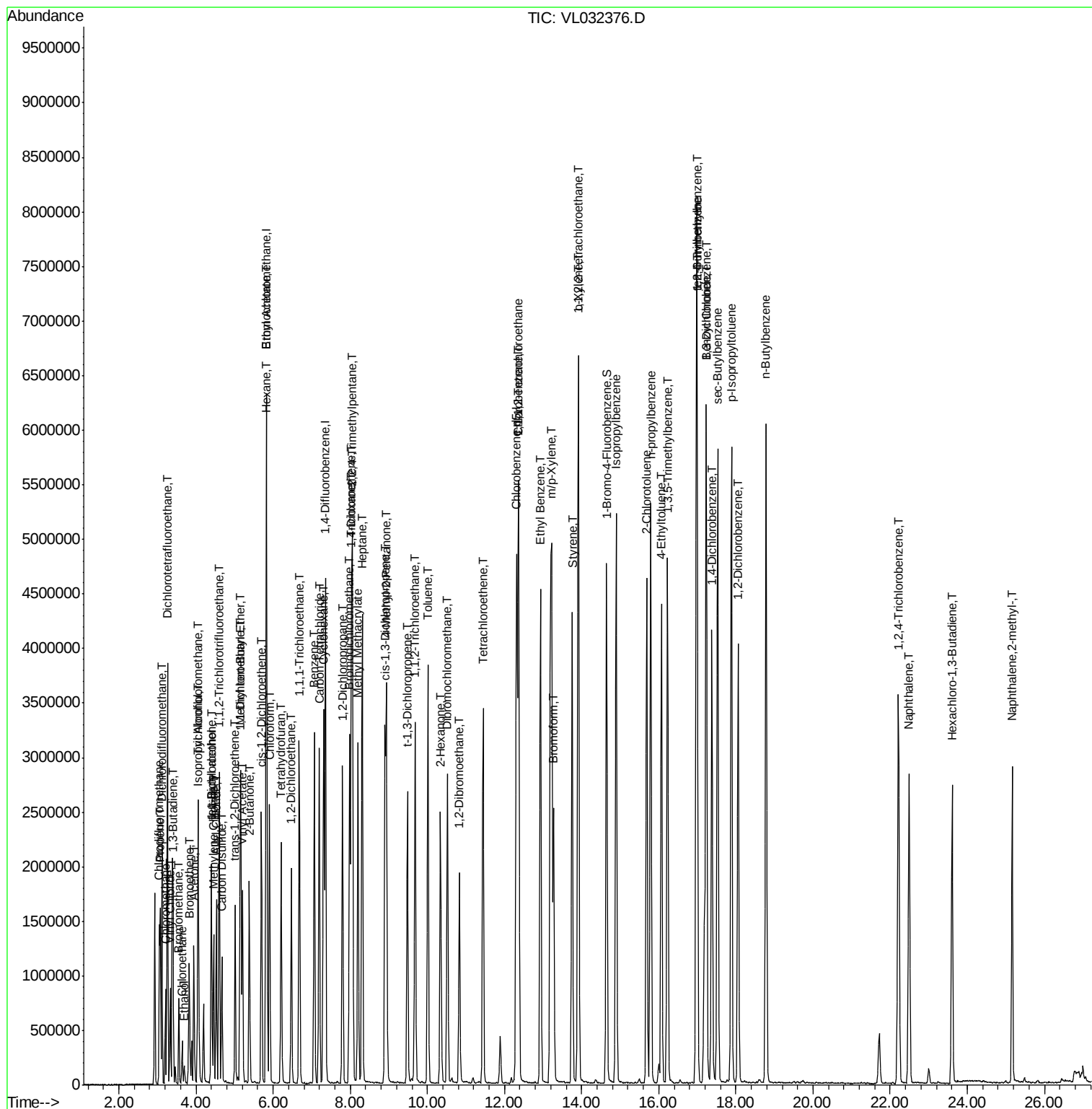
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.06	57	4992566	9.487	ppbv	99
45) t-1,3-Dichloropropene	9.48	75	1702319	11.574	ppbv	99
46) cis-1,3-Dichloropropene	8.90	75	1920181	10.886	ppbv	95
47) 1,1,2-Trichloroethane	9.68	97	1216367	9.066	ppbv	98
48) Dibromochloromethane	10.52	129	1802994	10.051	ppbv	99
49) Bromoform	13.27	173	1468709	9.857	ppbv	100
50) 4-Methyl-2-Pentanone	8.94	43	3070524	9.075	ppbv	99
51) 2-Hexanone	10.34	43	2427749	10.218	ppbv #	100
52) Tetrachloroethene	11.44	164	863520	10.033	ppbv	98
53) Toluene	10.01	91	3197563	9.995	ppbv	99
54) 1,2-Dibromoethane	10.83	107	1678469	9.739	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.35	131	1268486	7.738	ppbv #	59
57) Chlorobenzene	12.37	112	2287780	7.669	ppbv	99
58) Ethyl Benzene	12.93	91	4355134	9.135	ppbv	100
59) m/p-Xylene	13.22	91	3759164	9.282	ppbv #	43
60) o-Xylene	13.92	91	3376753	8.483	ppbv	99
61) Styrene	13.76	104	2675681	9.617	ppbv	99
62) Isopropylbenzene	14.90	105	4898236	8.644	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.90	83	2450009	7.319	ppbv	99
64) n-propylbenzene	15.79	120	1241375	8.464	ppbv	93
65) tert-Butylbenzene	16.98	119	4039286	8.345	ppbv	99
66) Benzyl Chloride	17.22	91	2731424	9.530	ppbv	99
67) sec-Butylbenzene	17.53	105	6076519	8.443	ppbv	99
69) p-Isopropyltoluene	17.88	119	4867748	8.836	ppbv	99
70) n-Butylbenzene	18.78	91	5320742	8.810	ppbv	99
71) 2-Chlorotoluene	15.69	91	3880381	8.848	ppbv	99
72) 4-Ethyltoluene	16.07	105	4067634	9.161	ppbv	99
73) 1,3,5-Trimethylbenzene	16.22	105	3838651	8.989	ppbv	99
74) 1,2,4-Trimethylbenzene	17.00	105	3787995	8.336	ppbv	96
75) 1,3-Dichlorobenzene	17.23	146	2082646	7.627	ppbv	99
76) 1,4-Dichlorobenzene	17.38	146	2131620	8.241	ppbv	99
77) 1,2-Dichlorobenzene	18.06	146	2102298	8.057	ppbv	100
78) Hexachloro-1,3-Butadiene	23.61	225	672426	7.678	ppbv	100
79) Naphthalene	22.49	128	3653996	8.644	ppbv	99
80) Naphthalene,2-methyl-	25.17	142	1581114	17.440	ppbv	99
81) 1,2,4-Trichlorobenzene	22.21	180	1707154	9.715	ppbv	100

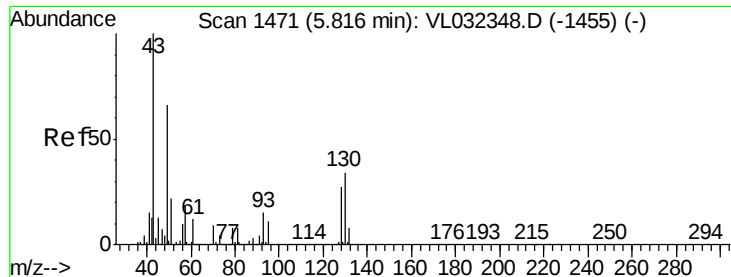
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VL032376.D
Acq On : 16 Aug 2018 7:58
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Quant Time: Aug 16 08:21:51 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed 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# 1472

Delta R.T. 0.00 min

Lab File: VL032376.D

Acq: 16 Aug 2018 7:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

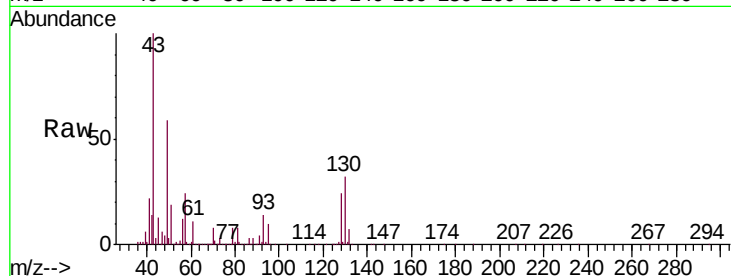
Tgt Ion: 49 Resp: 1461624

Ion Ratio Lower Upper

49 100

128 42.4 20.5 61.6

130 54.9 26.2 78.5

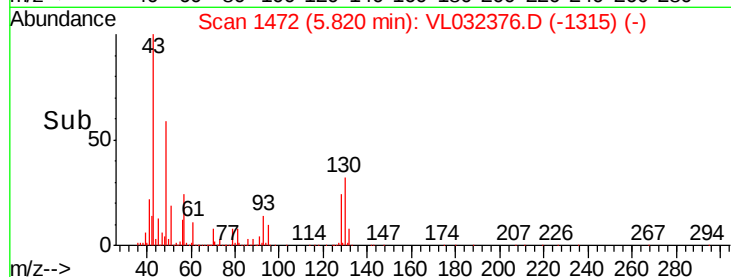


Abundance Ion 49.10 (48.80 to 49.80): VL0

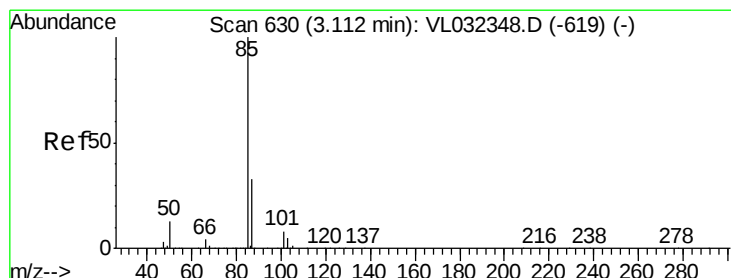
Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

Time-->



Time-->



#2

Dichlorodifluoromethane

Concen: 13.418 ppbv

RT: 3.11 min Scan# 630

Delta R.T. 0.00 min

Lab File: VL032376.D

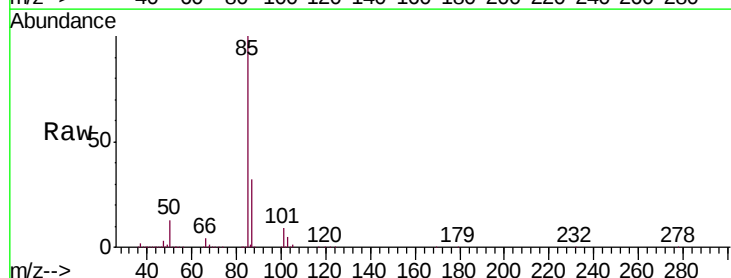
Acq: 16 Aug 2018 7:58

Tgt Ion: 85 Resp: 1558901

Ion Ratio Lower Upper

85 100

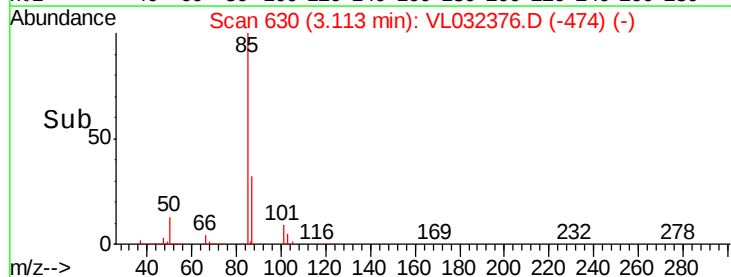
87 31.6 26.3 39.5



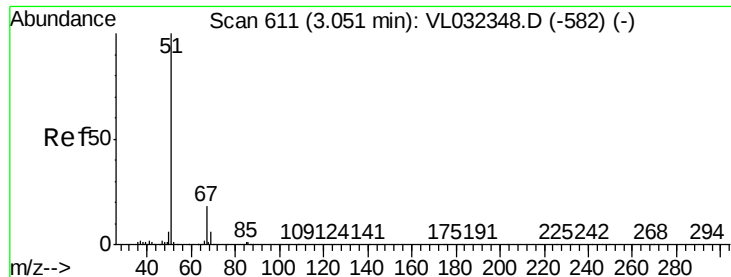
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

Time-->



Time-->



#3

Chlorodifluoromethane

Concen: 9.564 ppbv

RT: 3.05 min Scan# 611

Delta R.T. 0.00 min

Lab File: VL032376.D

Acq: 16 Aug 2018 7:58

Instrument :

MSVOA_L

ClientSampleId :

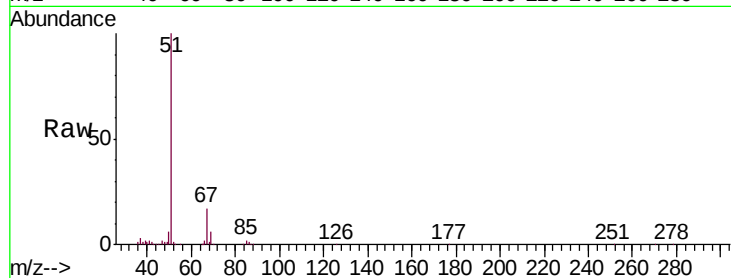
VSTDCCC010EC

Tgt Ion: 51 Resp: 1295032

Ion Ratio Lower Upper

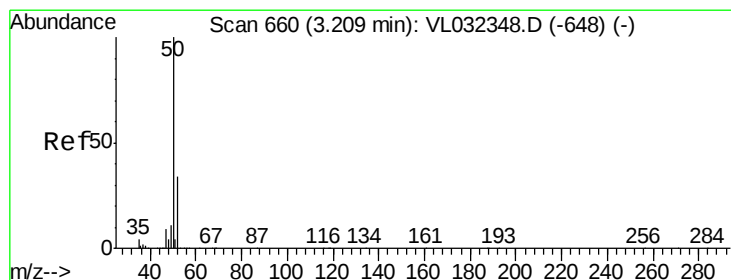
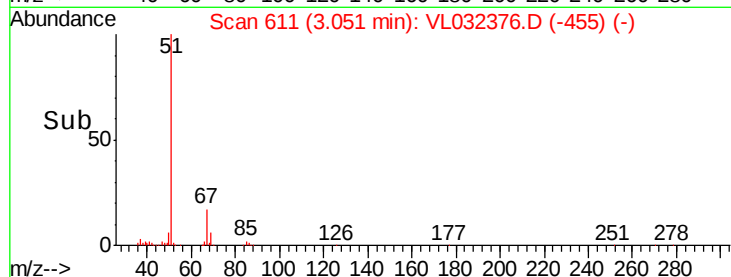
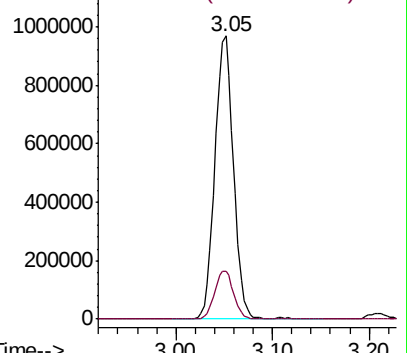
51 100

67 17.4 13.7 20.5



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.520 ppbv

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VL032376.D

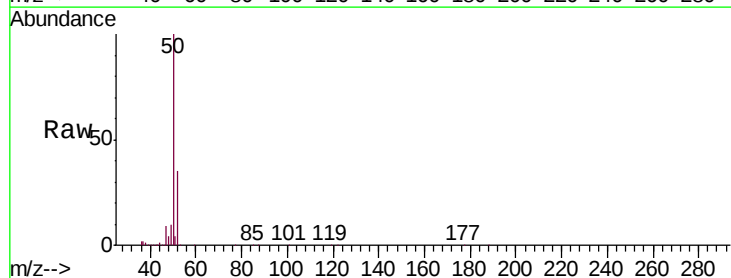
Acq: 16 Aug 2018 7:58

Tgt Ion: 50 Resp: 767125

Ion Ratio Lower Upper

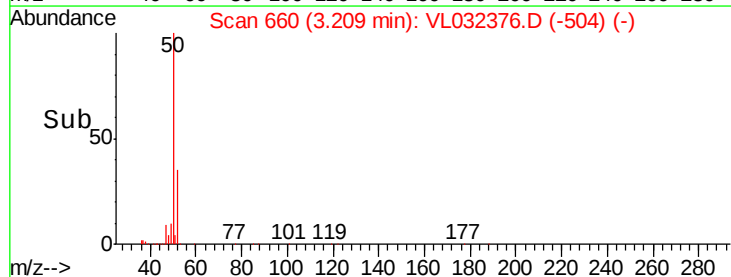
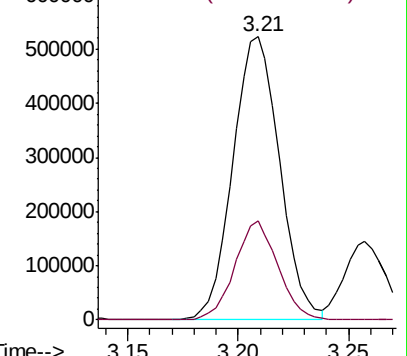
50 100

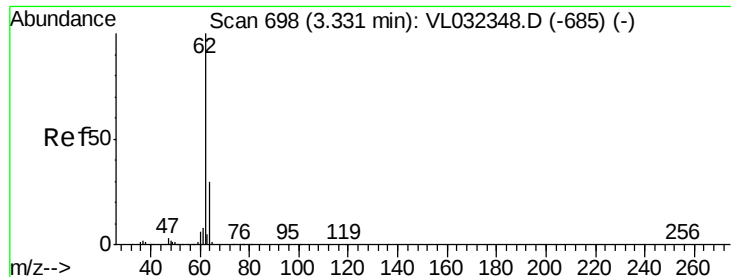
52 34.8 26.8 40.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.515 ppbv

RT: 3.33 min Scan# 698

Delta R.T. 0.00 min

Lab File: VL032376.D

Acq: 16 Aug 2018 7:58

Instrument :

MSVOA_L

ClientSampleId :

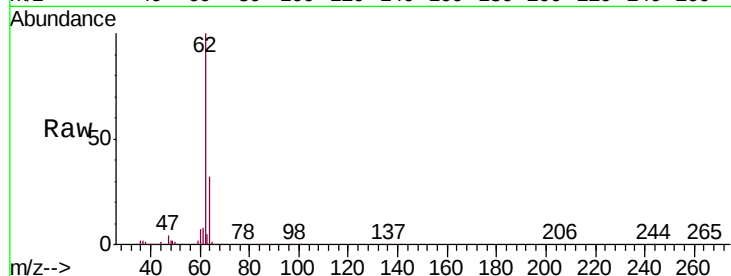
VSTDCCC010EC

Tgt Ion: 62 Resp: 730866

Ion Ratio Lower Upper

62 100

64 31.8 24.2 36.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.33

500000

400000

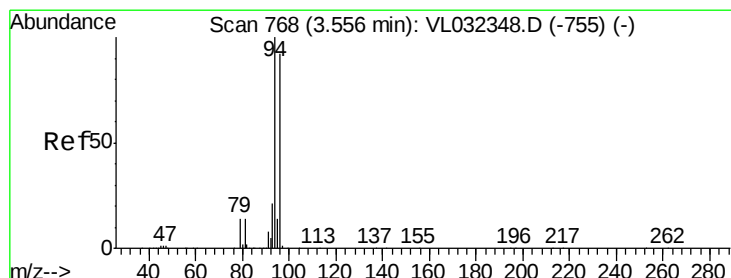
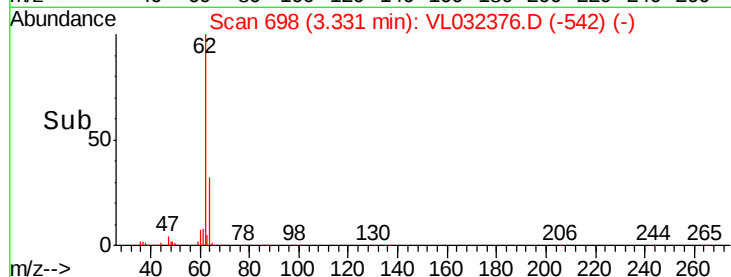
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 10.152 ppbv

RT: 3.55 min Scan# 767

Delta R.T. -0.00 min

Lab File: VL032376.D

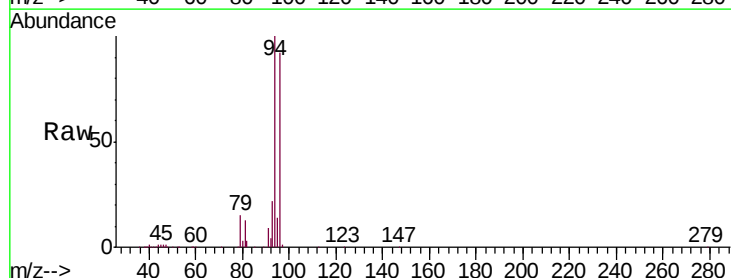
Acq: 16 Aug 2018 7:58

Tgt Ion: 94 Resp: 418071

Ion Ratio Lower Upper

94 100

96 92.0 73.7 110.5



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.55

300000

250000

200000

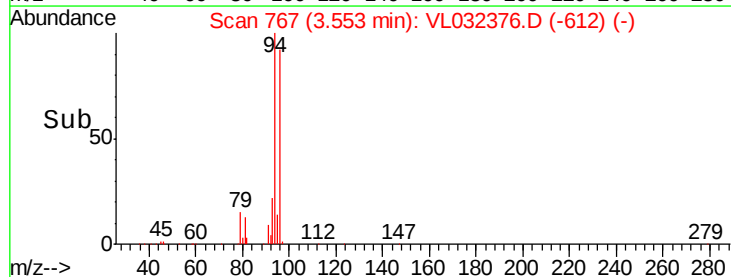
150000

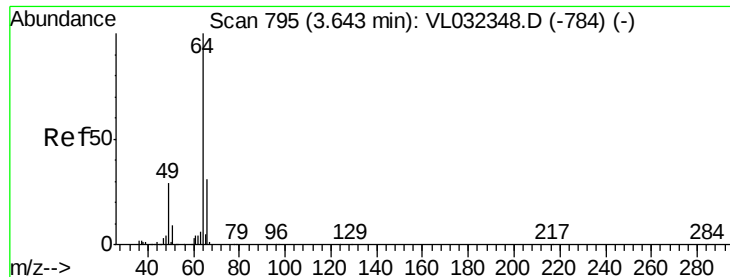
100000

50000

0

Time-->





#7

Chloroethane

Concen: 9.736 ppbv

RT: 3.64 min Scan# 794

Delta R.T. -0.00 min

Lab File: VL032376.D

Acq: 16 Aug 2018 7:58

Instrument :

MSVOA_L

ClientSampleId :

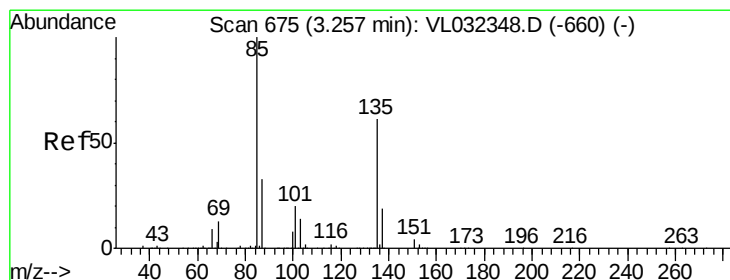
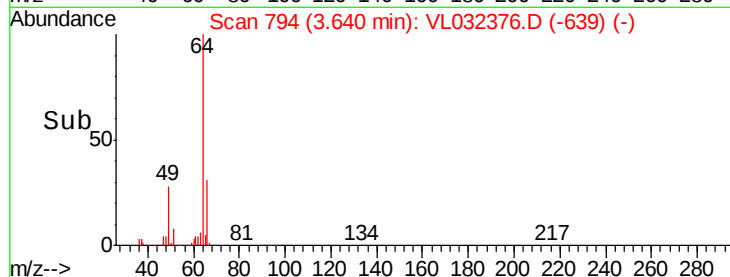
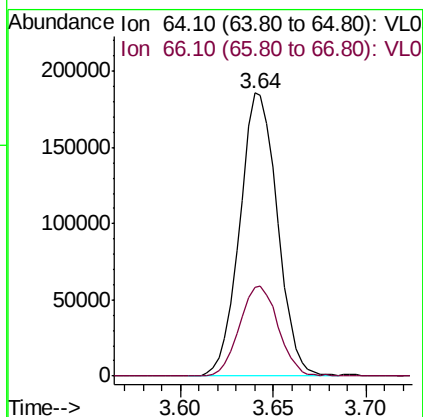
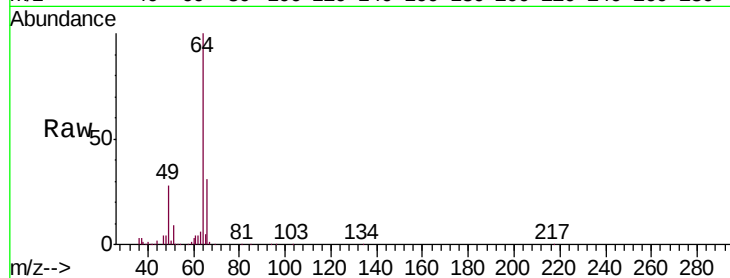
VSTDCCC010EC

Tgt Ion: 64 Resp: 262254

Ion Ratio Lower Upper

64 100

66 31.4 24.6 36.8



#8

Dichlorotetrafluoroethane

Concen: 9.517 ppbv

RT: 3.26 min Scan# 675

Delta R.T. 0.00 min

Lab File: VL032376.D

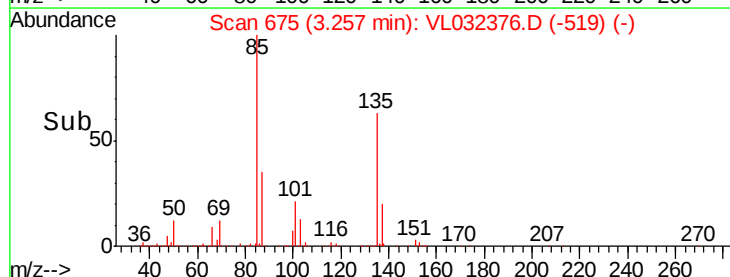
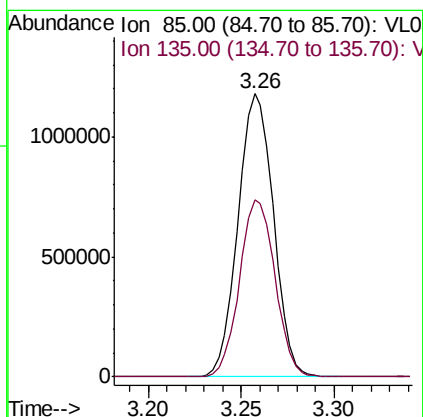
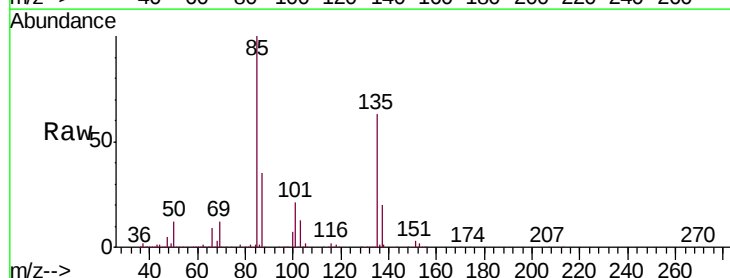
Acq: 16 Aug 2018 7:58

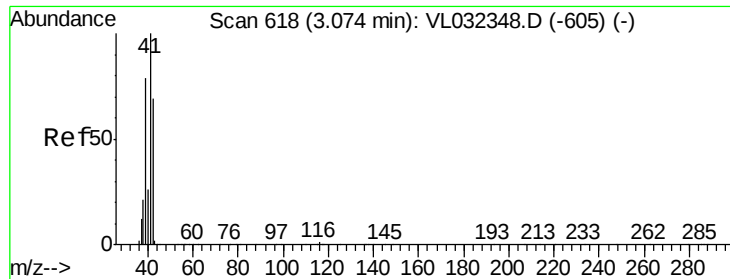
Tgt Ion: 85 Resp: 1571937

Ion Ratio Lower Upper

85 100

135 62.9 49.0 73.6





#9

Propene

Concen: 10.853 ppbv

RT: 3.07 min Scan# 618

Delta R.T. 0.00 min

Lab File: VL032376.D

Acq: 16 Aug 2018 7:58

Instrument :

MSVOA_L

ClientSampleId :

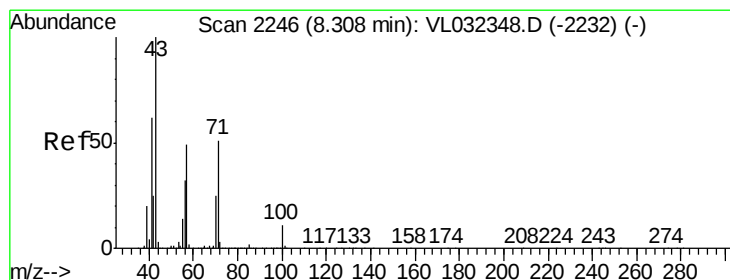
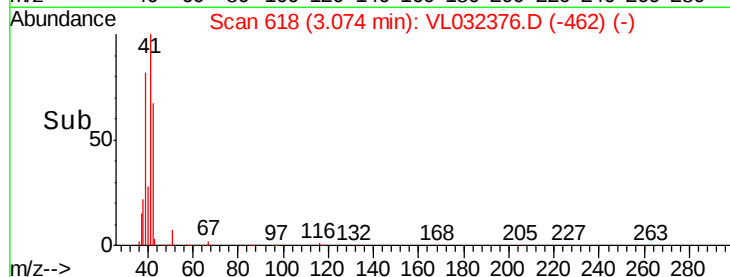
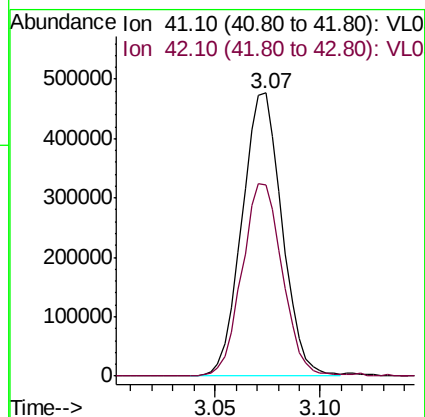
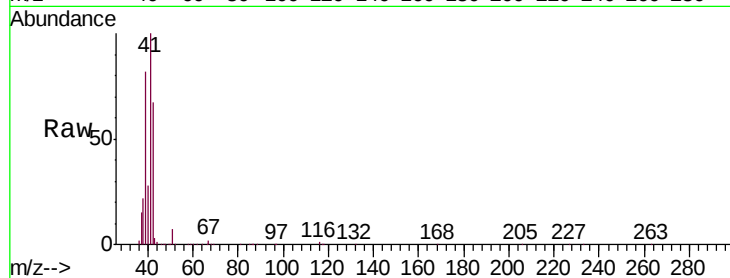
VSTDCCC010EC

Tgt Ion: 41 Resp: 628902

Ion Ratio Lower Upper

41 100

42 69.2 55.9 83.9



#10

Heptane

Concen: 11.977 ppbv

RT: 8.31 min Scan# 2246

Delta R.T. 0.00 min

Lab File: VL032376.D

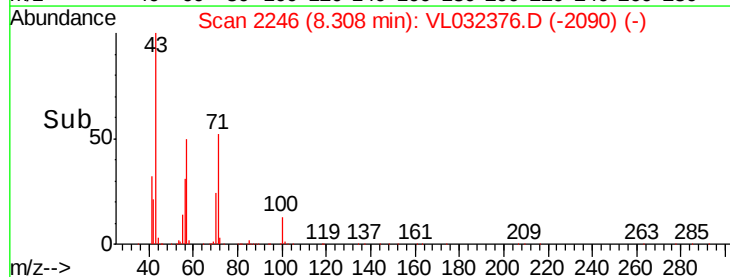
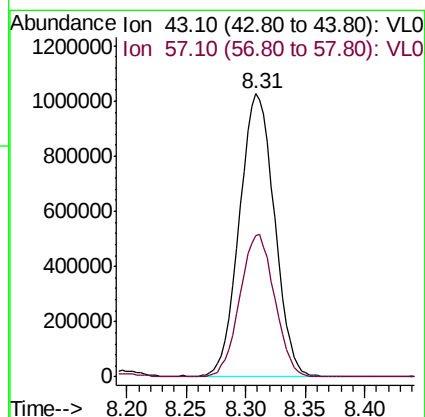
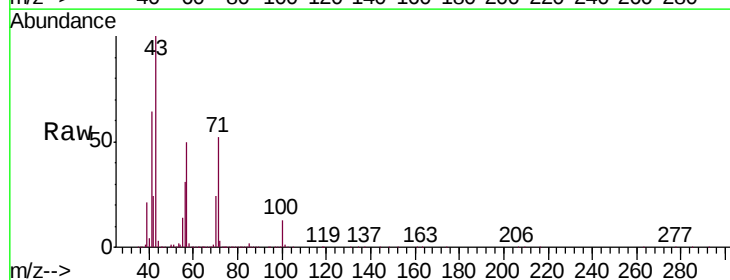
Acq: 16 Aug 2018 7:58

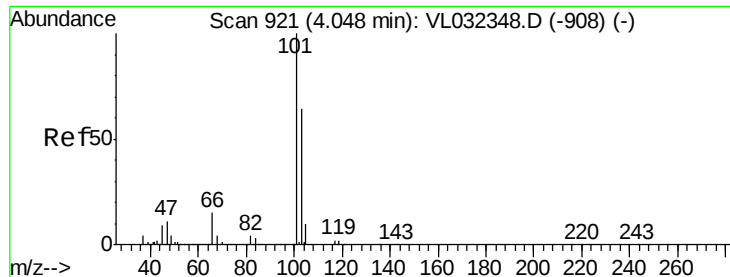
Tgt Ion: 43 Resp: 2090369

Ion Ratio Lower Upper

43 100

57 49.9 39.5 59.3

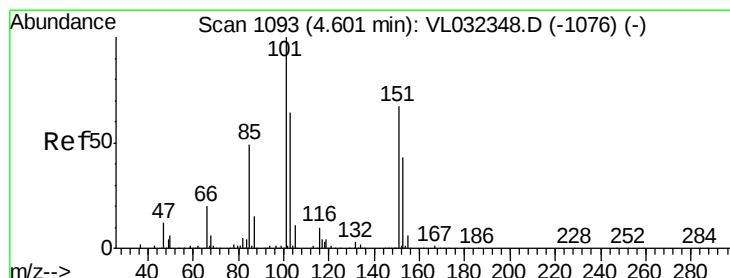
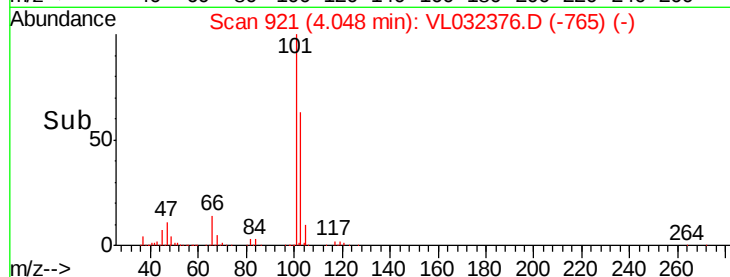
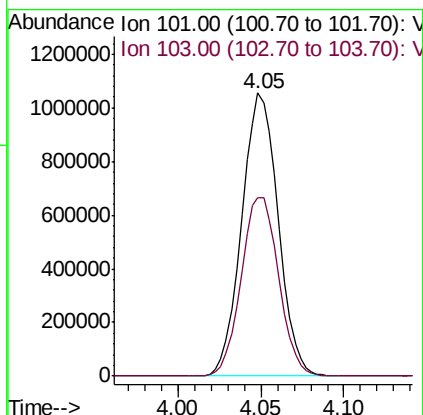
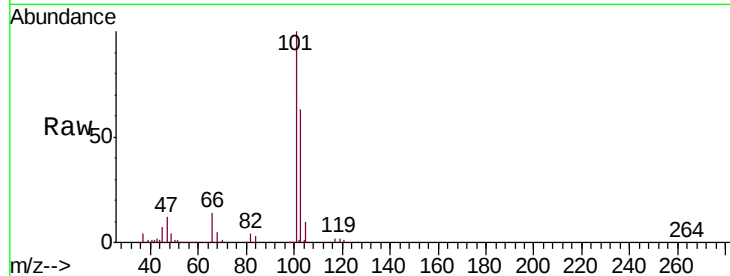




#11
 Trichlorofluoromethane
 Concen: 9.845 ppbv
 RT: 4.05 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VL032376.D
 Acq: 16 Aug 2018 7:58

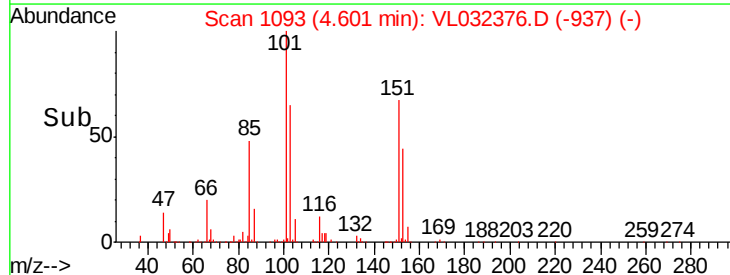
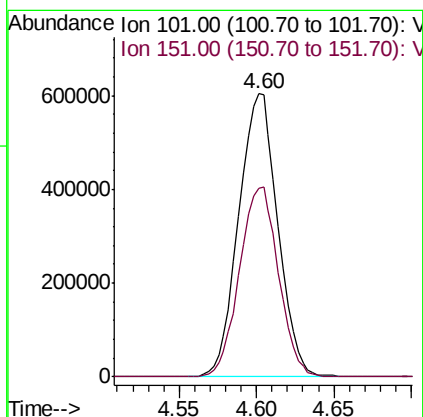
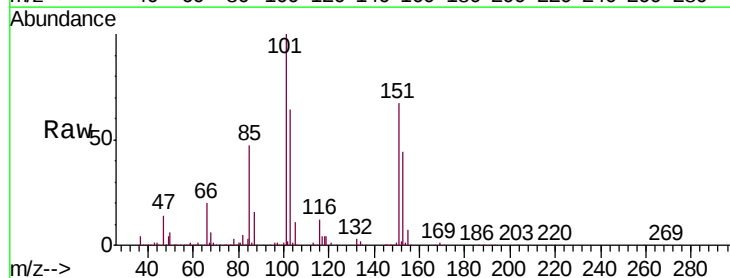
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

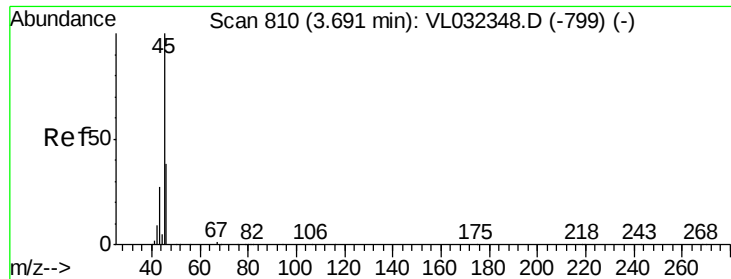
Tgt Ion:101 Resp: 1609346
 Ion Ratio Lower Upper
 101 100
 103 63.0 51.4 77.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.621 ppbv
 RT: 4.60 min Scan# 1093
 Delta R.T. 0.00 min
 Lab File: VL032376.D
 Acq: 16 Aug 2018 7:58

Tgt Ion:101 Resp: 1059106
 Ion Ratio Lower Upper
 101 100
 151 67.3 53.1 79.7





#13

Ethanol

Concen: 11.985 ppbv

RT: 3.69 min Scan# 810

Delta R.T. 0.00 min

Lab File: VL032376.D

Acq: 16 Aug 2018 7:58

Instrument :

MSVOA_L

ClientSampleId :

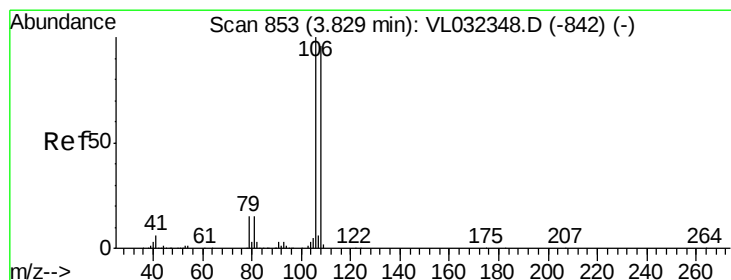
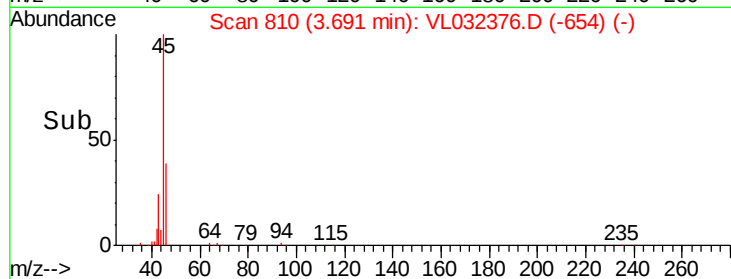
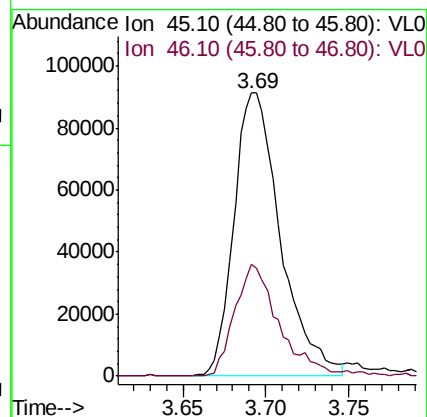
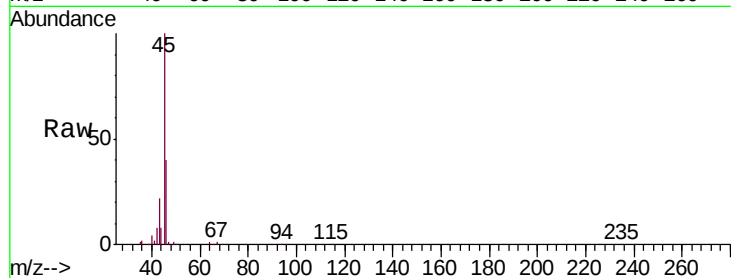
VSTDCCC010EC

Tgt Ion: 45 Resp: 178364

Ion Ratio Lower Upper

45 100

46 38.5 15.6 62.4



#14

Bromoethene

Concen: 10.310 ppbv

RT: 3.83 min Scan# 854

Delta R.T. 0.00 min

Lab File: VL032376.D

Acq: 16 Aug 2018 7:58

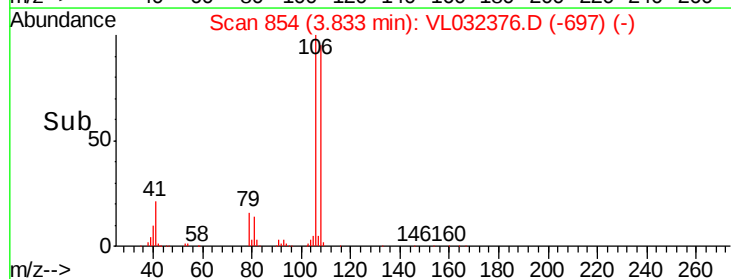
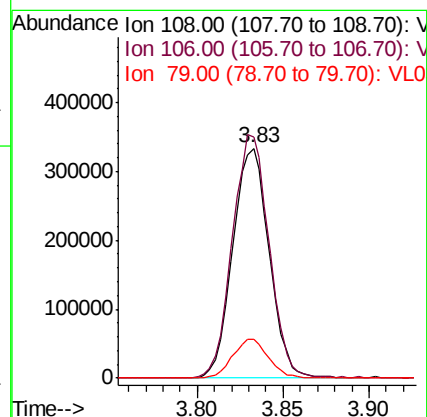
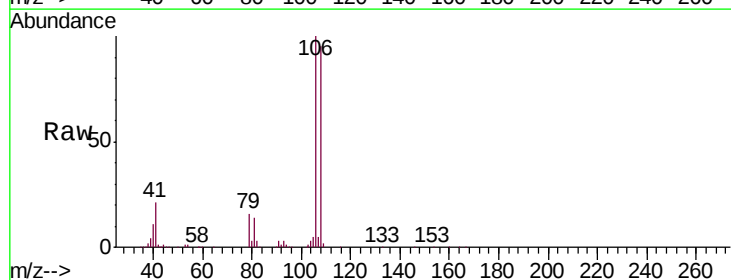
Tgt Ion: 108 Resp: 490864

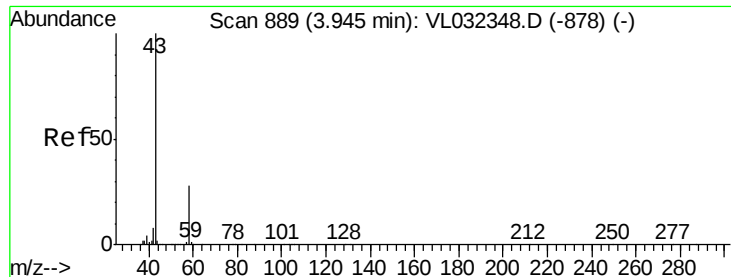
Ion Ratio Lower Upper

108 100

106 106.9 85.7 128.5

79 16.8 13.1 19.7

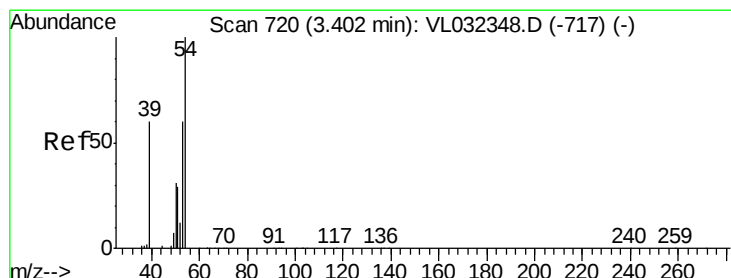
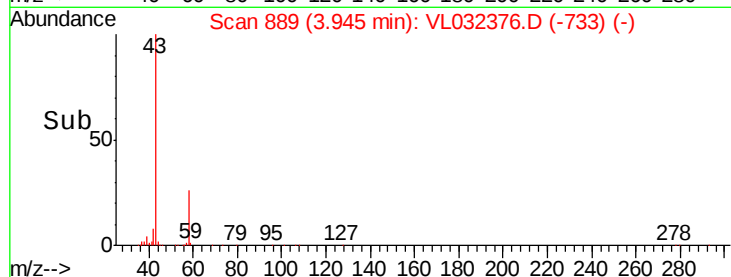
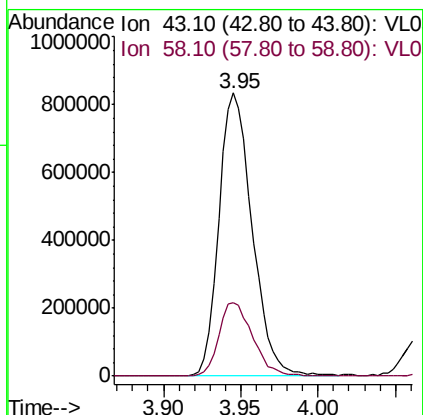
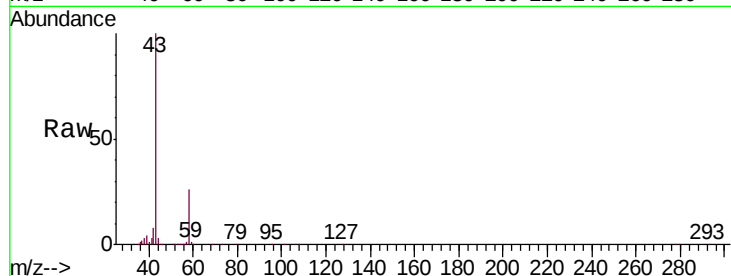




#15
Acetone
Concen: 8.919 ppbv
RT: 3.95 min Scan# 889
Delta R.T. 0.00 min
Lab File: VL032376.D
Acq: 16 Aug 2018 7:58

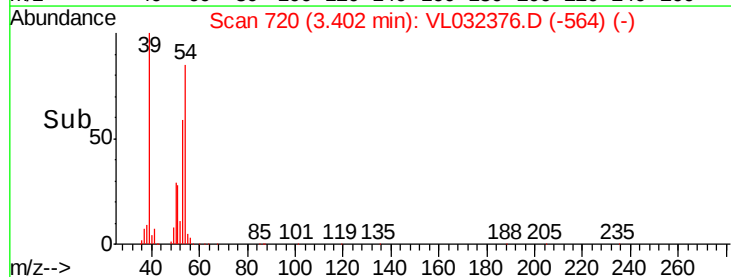
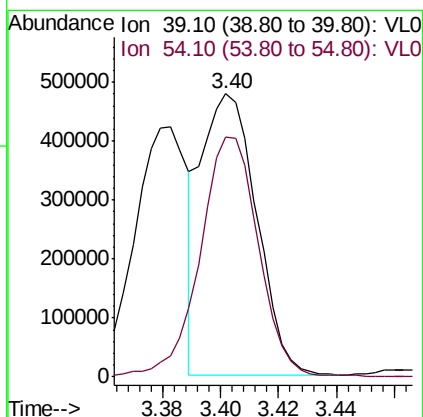
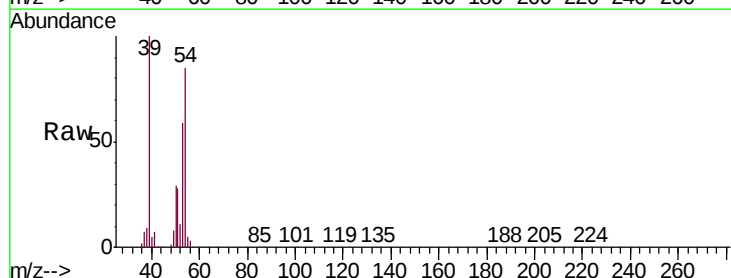
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

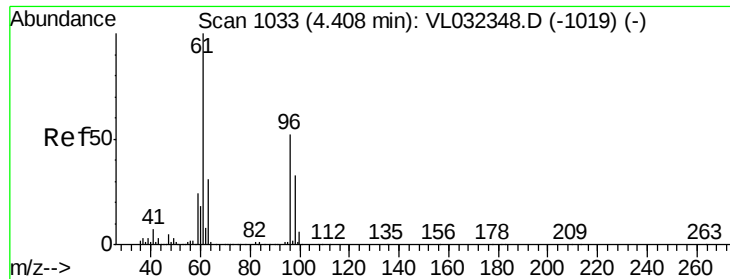
Tgt Ion: 43 Resp: 1238629
Ion Ratio Lower Upper
43 100
58 26.8 22.4 33.6



#16
1,3-Butadiene
Concen: 11.019 ppbv
RT: 3.40 min Scan# 720
Delta R.T. 0.00 min
Lab File: VL032376.D
Acq: 16 Aug 2018 7:58

Tgt Ion: 39 Resp: 631762
Ion Ratio Lower Upper
39 100
54 91.0 85.5 128.3

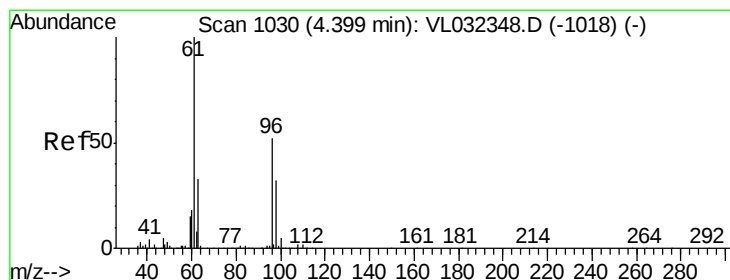
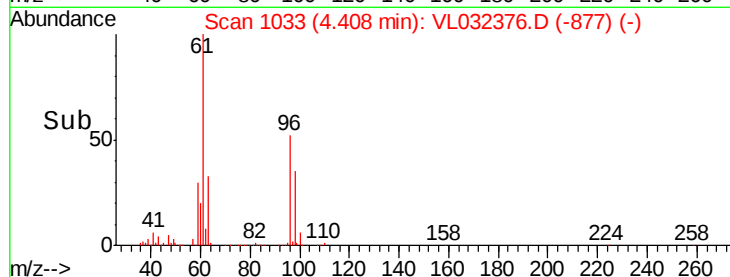
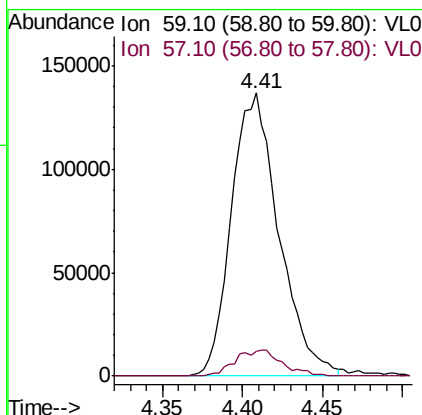
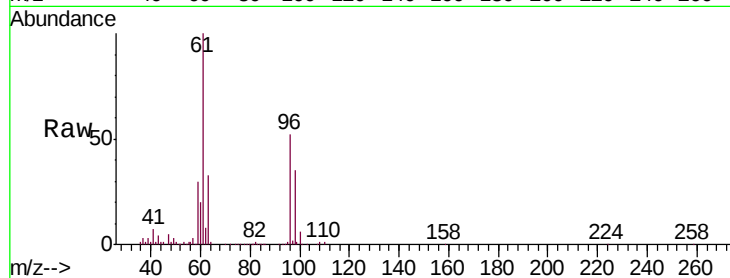




#17
 tert-Butyl alcohol
 Concen: 11.853 ppbv
 RT: 4.41 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VL032376.D
 Acq: 16 Aug 2018 7:58

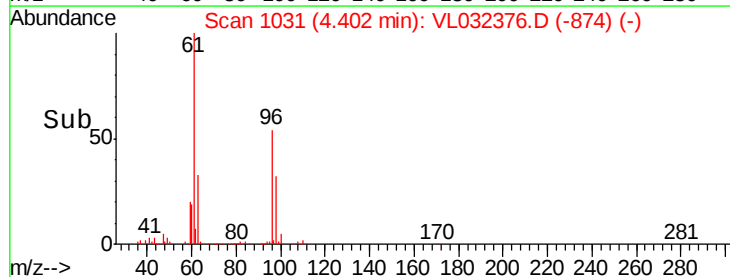
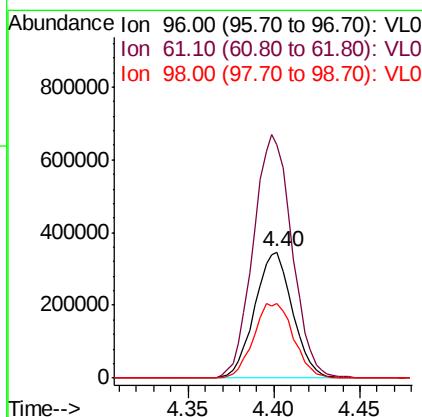
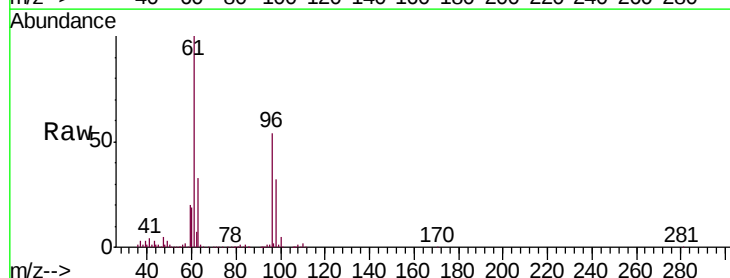
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

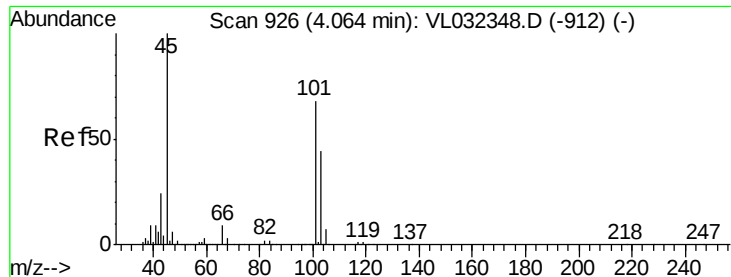
Tgt Ion: 59 Resp: 276186
 Ion Ratio Lower Upper
 59 100
 57 9.6 7.6 11.4



#18
 1,1-Dichloroethene
 Concen: 10.269 ppbv
 RT: 4.40 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: VL032376.D
 Acq: 16 Aug 2018 7:58

Tgt Ion: 96 Resp: 526724
 Ion Ratio Lower Upper
 96 100
 61 185.5 154.6 231.8
 98 59.4 50.1 75.1





#19

Isopropyl Alcohol

Concen: 11.278 ppbv

RT: 4.07 min Scan# 927

Delta R.T. 0.00 min

Lab File: VL032376.D

Acq: 16 Aug 2018 7:58

Instrument :

MSVOA_L

ClientSampleId :

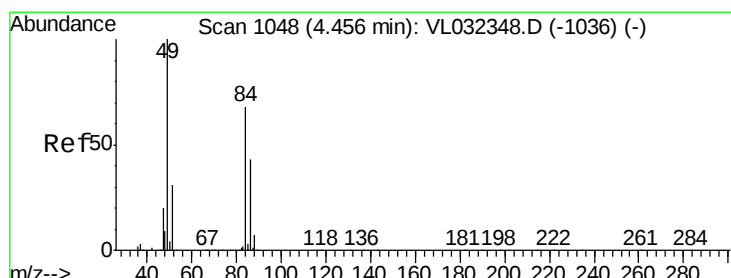
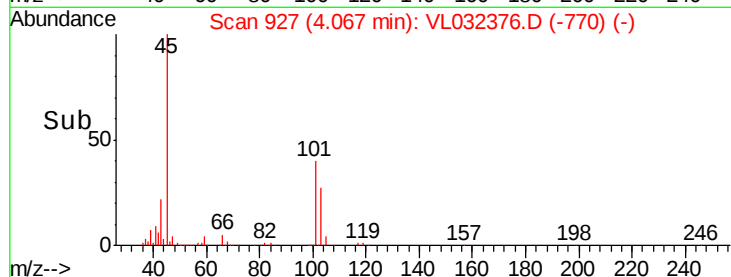
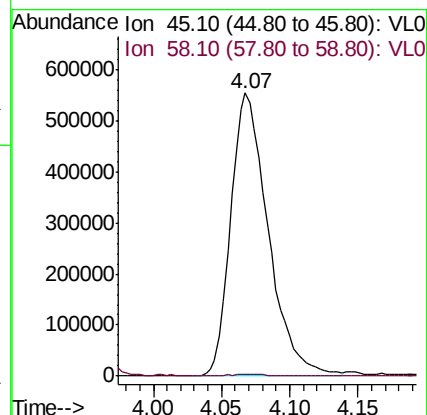
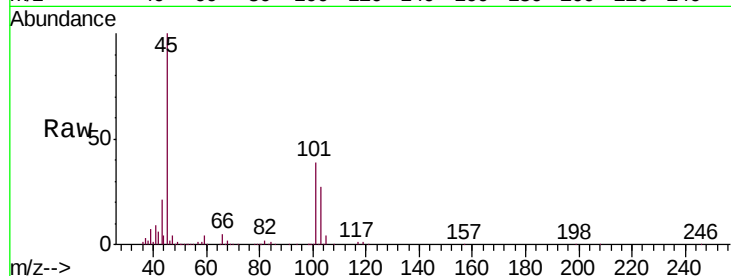
VSTDCCC010EC

Tgt Ion: 45 Resp: 1054624

Ion Ratio Lower Upper

45 100

58 31.3 1.4 2.0#



#20

Methylene Chloride

Concen: 8.631 ppbv

RT: 4.46 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VL032376.D

Acq: 16 Aug 2018 7:58

Tgt Ion: 84 Resp: 452694

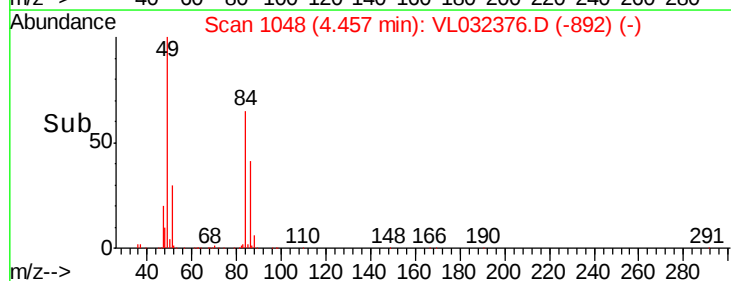
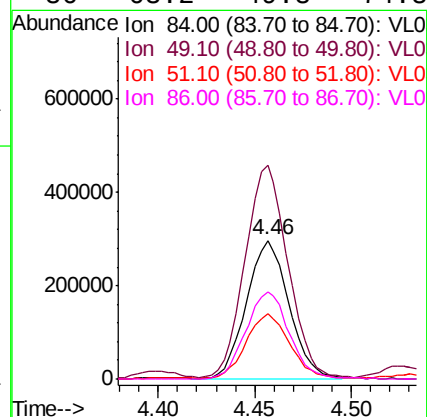
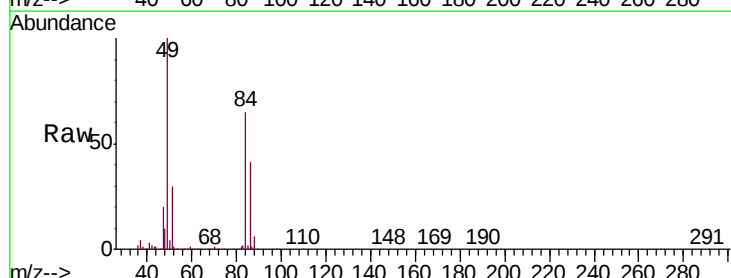
Ion Ratio Lower Upper

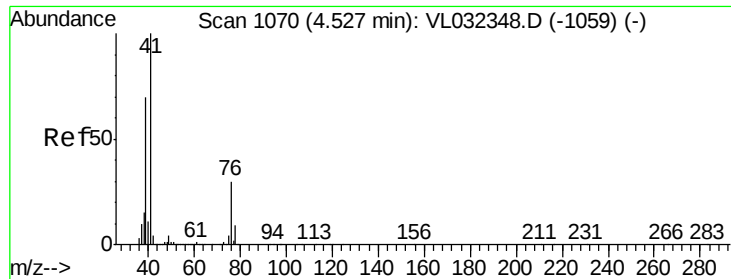
84 100

49 152.7 117.3 175.9

51 46.4 36.6 55.0

86 63.2 49.8 74.8

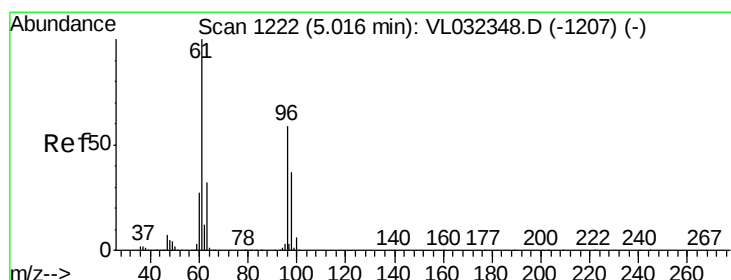
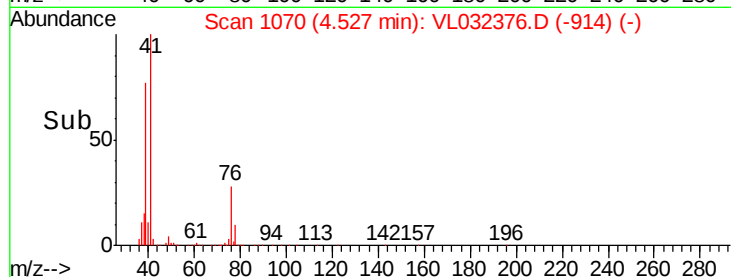
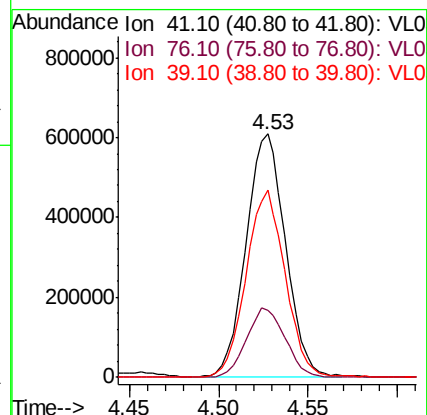
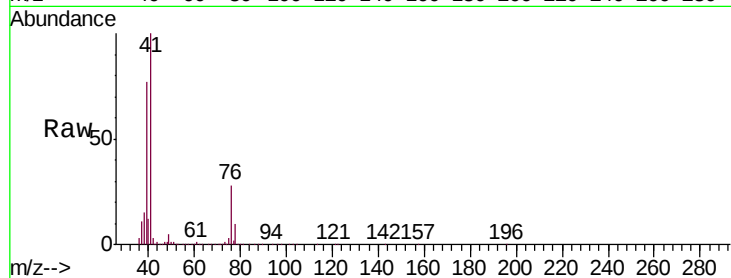




#21
 Allyl Chloride
 Concen: 10.696 ppbv
 RT: 4.53 min Scan# 1070
 Delta R.T. 0.00 min
 Lab File: VL032376.D
 Acq: 16 Aug 2018 7:58

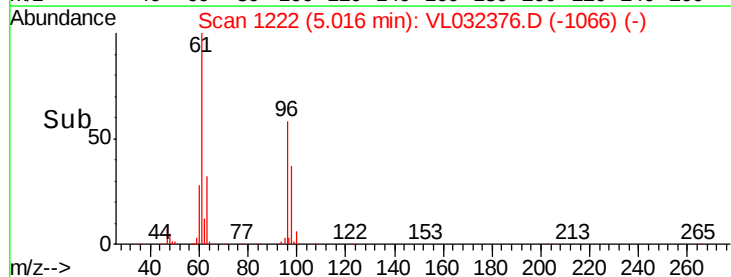
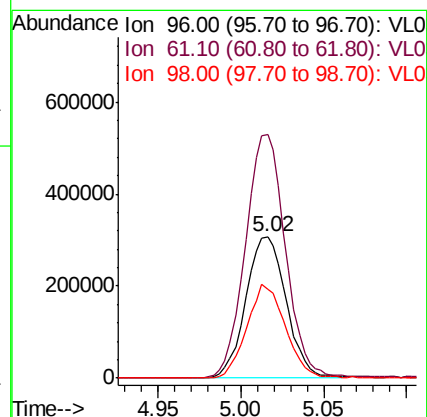
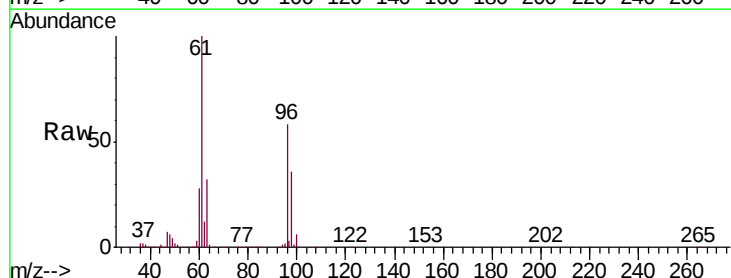
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

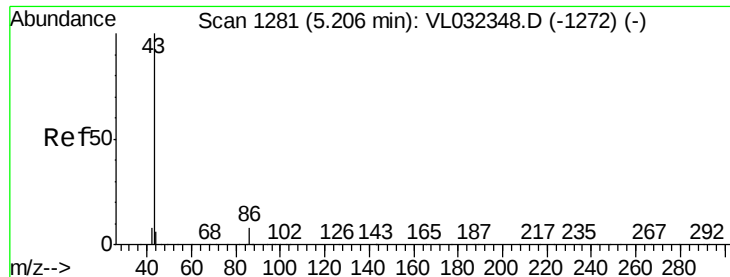
Tgt Ion: 41 Resp: 937512
 Ion Ratio Lower Upper
 41 100
 76 28.3 22.9 34.3
 39 76.7 57.6 86.4



#22
 trans-1,2-Dichloroethene
 Concen: 10.044 ppbv
 RT: 5.02 min Scan# 1222
 Delta R.T. 0.00 min
 Lab File: VL032376.D
 Acq: 16 Aug 2018 7:58

Tgt Ion: 96 Resp: 519516
 Ion Ratio Lower Upper
 96 100
 61 172.3 136.6 205.0
 98 62.9 50.6 76.0





#23

Vinyl Acetate

Concen: 9.910 ppbv

RT: 5.21 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VL032376.D

Acq: 16 Aug 2018 7:58

Instrument :

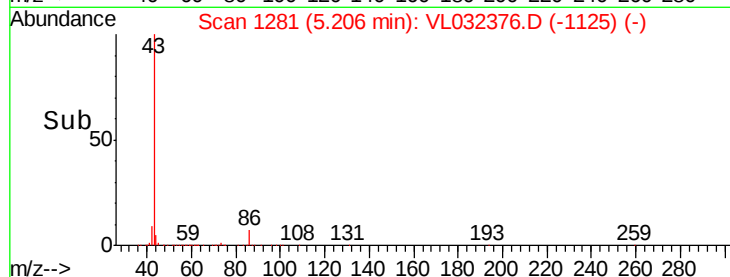
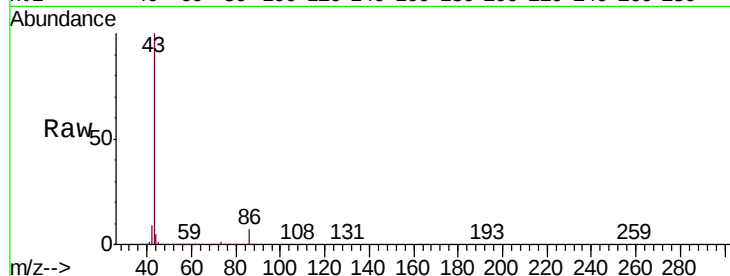
MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 2376409

Ion	Ratio	Lower	Upper
43	100		
86	7.4	5.5	8.3
42	8.9	7.0	10.6
44	5.0	4.6	6.8



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: 9.067 ppbv

RT: 5.14 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VL032376.D

Acq: 16 Aug 2018 7:58

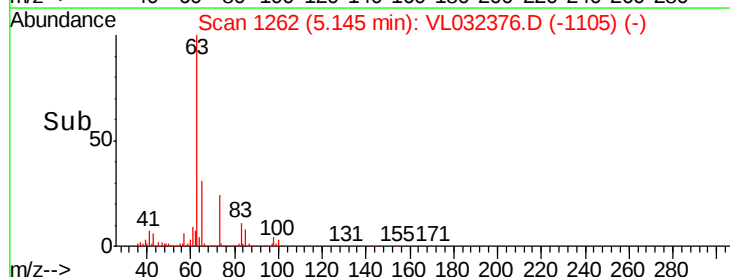
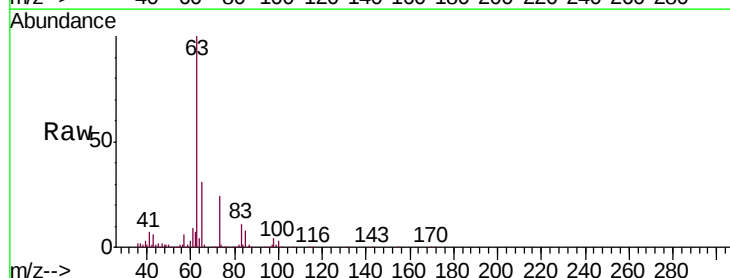
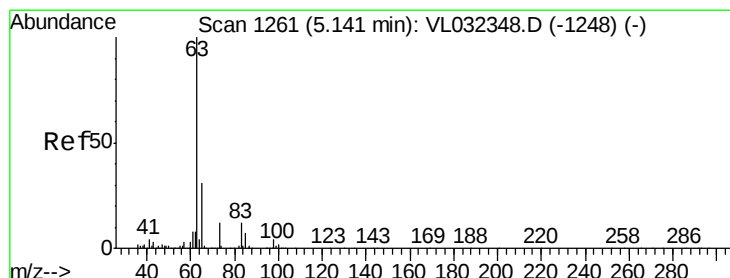
Tgt Ion: 63 Resp: 1569936

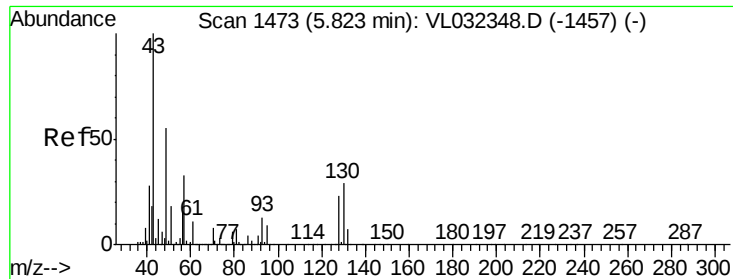
Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.1	6.3
100	2.7	1.2	3.6

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



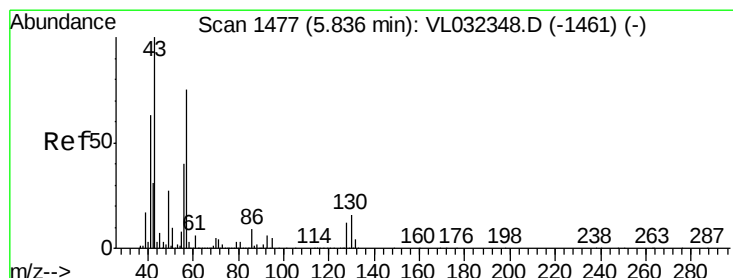
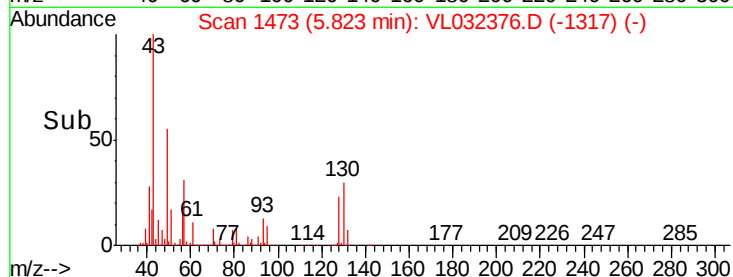
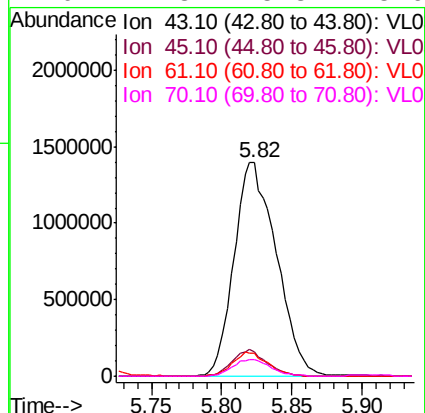
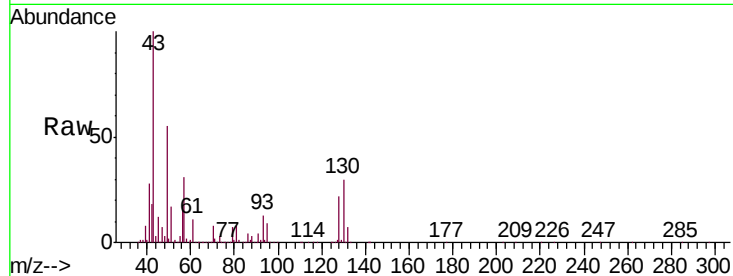


#25
Ethyl Acetate
Concen: 9.835 ppbv
RT: 5.82 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VL032376.D
Acq: 16 Aug 2018 7:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 2926923

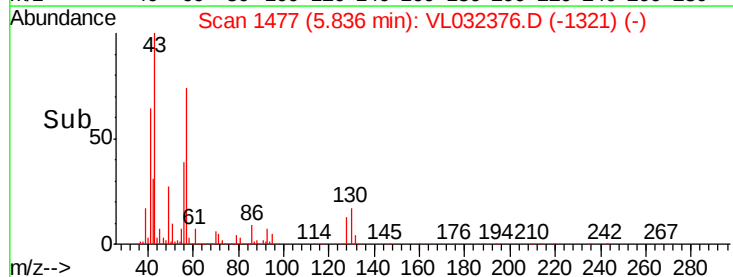
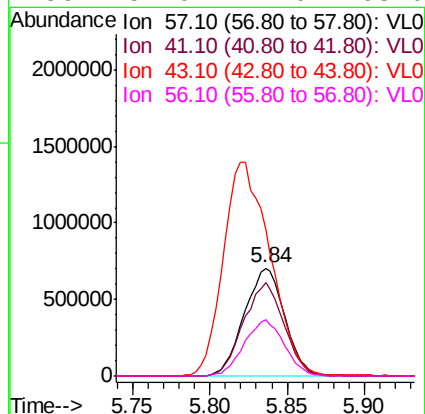
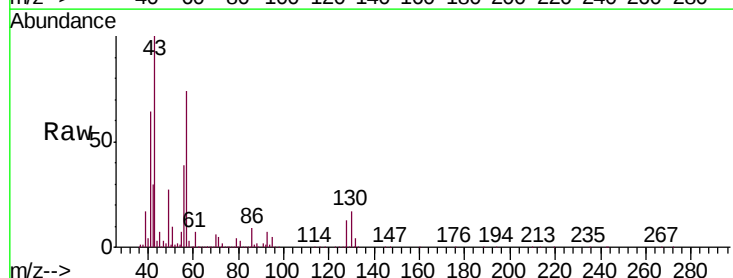
Ion	Ratio	Lower	Upper
43	100		
45	10.3	7.9	11.9
61	9.5	7.4	11.2
70	7.3	5.8	8.6

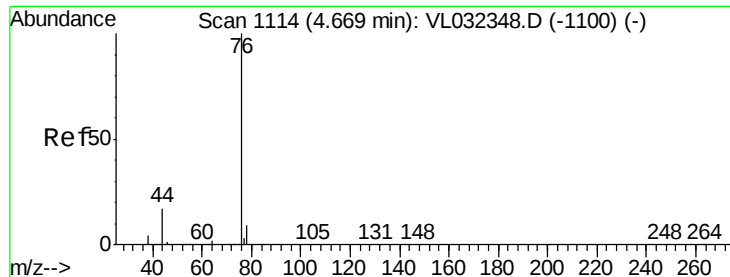


#26
Hexane
Concen: 9.613 ppbv
RT: 5.84 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VL032376.D
Acq: 16 Aug 2018 7:58

Tgt Ion: 57 Resp: 1275347

Ion	Ratio	Lower	Upper
57	100		
41	86.5	68.0	102.0
43	230.5	175.3	262.9
56	52.0	42.0	63.0





#27

Carbon Disulfide

Concen: 10.634 ppbv

RT: 4.67 min Scan# 1115

Delta R.T. 0.00 min

Lab File: VL032376.D

Acq: 16 Aug 2018 7:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

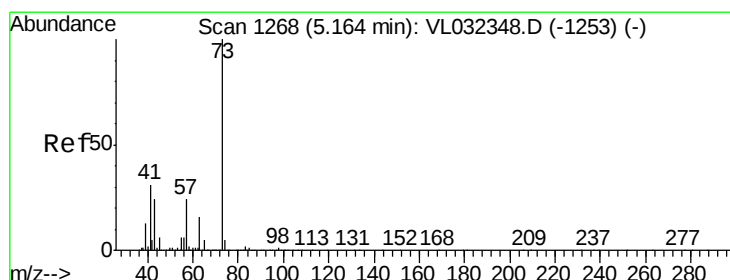
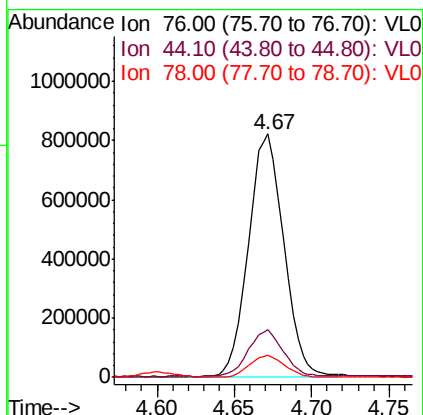
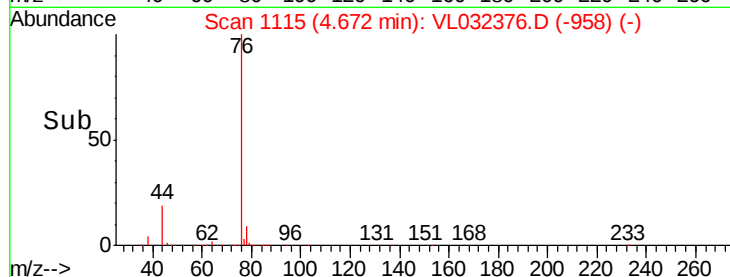
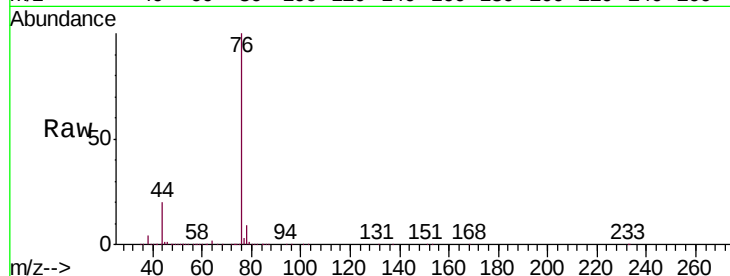
Tgt Ion: 76 Resp: 1316803

Ion Ratio Lower Upper

76 100

44 19.4 14.4 21.6

78 9.3 7.4 11.0



#28

Methyl tert-Butyl Ether

Concen: 11.077 ppbv

RT: 5.16 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VL032376.D

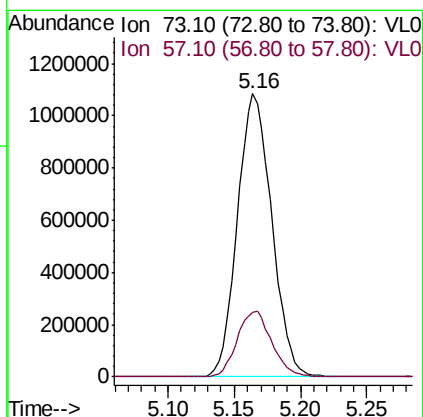
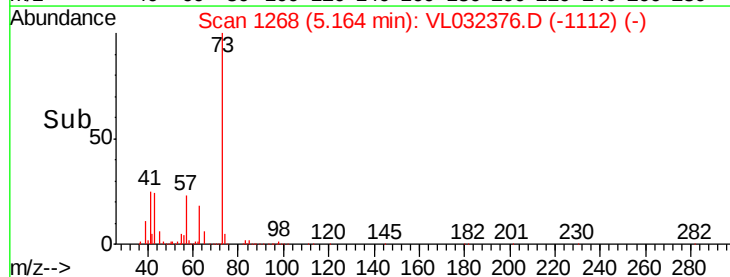
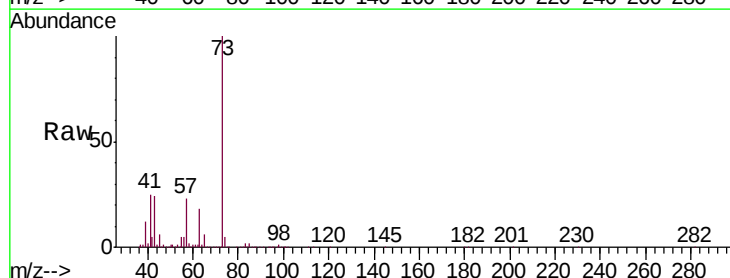
Acq: 16 Aug 2018 7:58

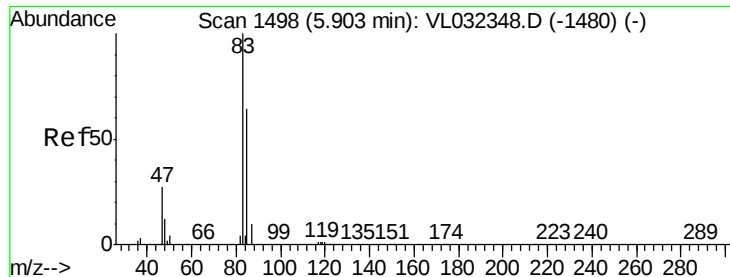
Tgt Ion: 73 Resp: 1950258

Ion Ratio Lower Upper

73 100

57 23.5 19.3 28.9





#29

Chloroform

Concen: 9.460 ppbv

RT: 5.91 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VL032376.D

Acq: 16 Aug 2018 7:58

Instrument :

MSVOA_L

ClientSampleId :

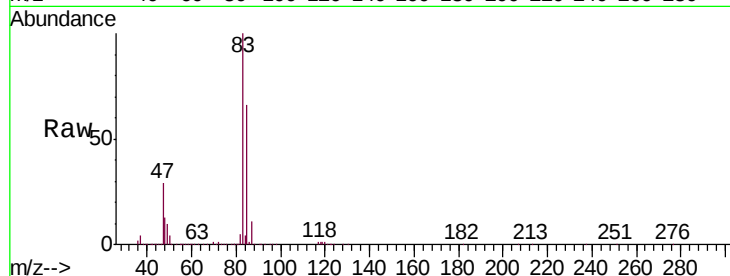
VSTDCCC010EC

Tgt Ion: 83 Resp: 1839308

Ion Ratio Lower Upper

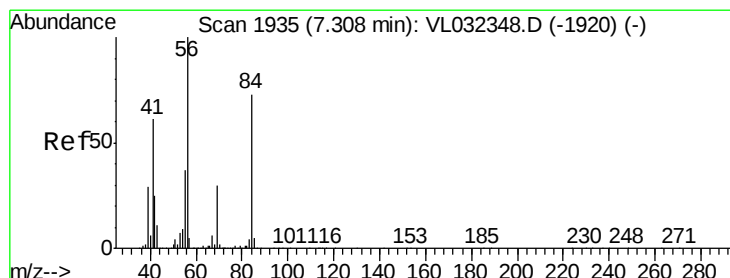
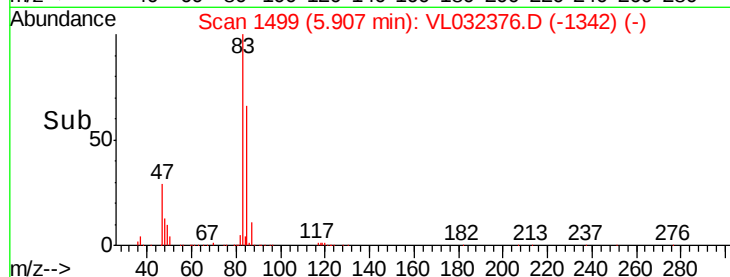
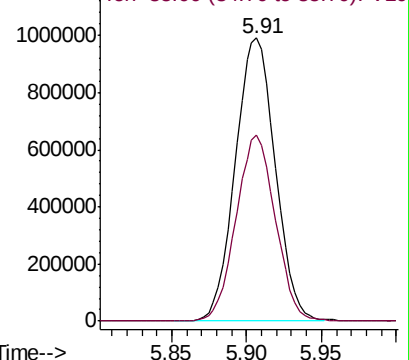
83 100

85 65.5 51.6 77.4



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 12.216 ppbv

RT: 7.31 min Scan# 1935

Delta R.T. 0.00 min

Lab File: VL032376.D

Acq: 16 Aug 2018 7:58

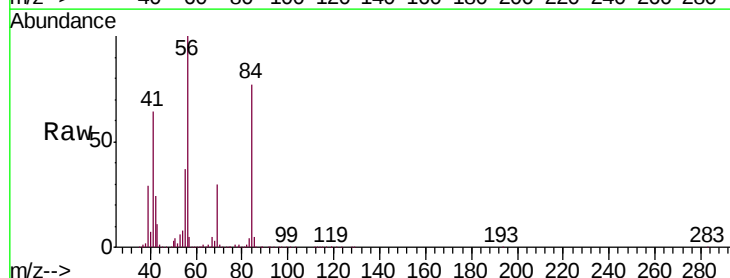
Tgt Ion: 84 Resp: 1234586

Ion Ratio Lower Upper

84 100

56 139.0 115.7 173.5

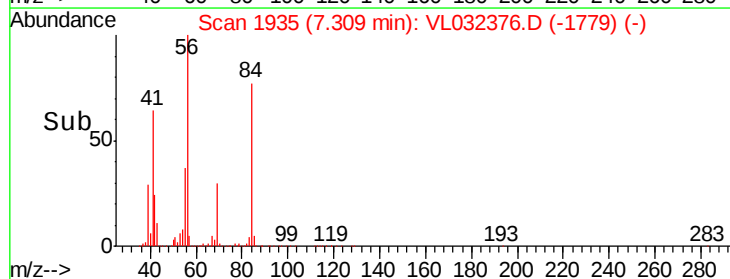
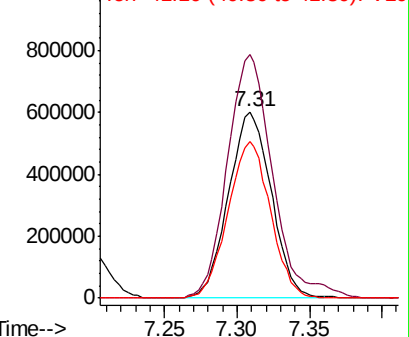
41 83.7 67.9 101.9

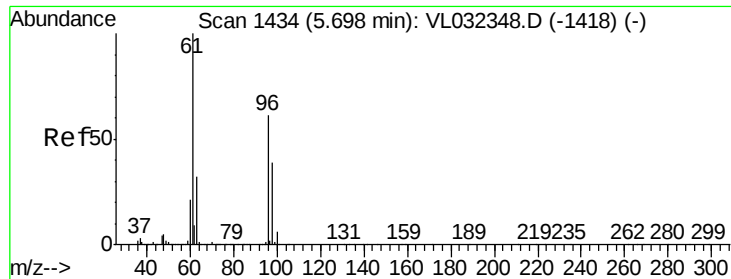


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

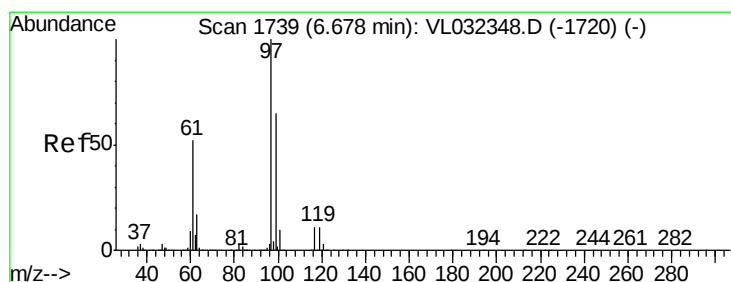
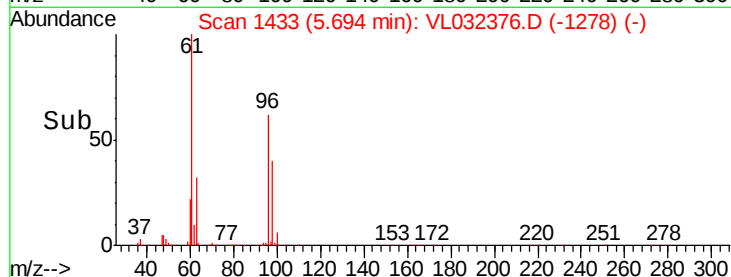
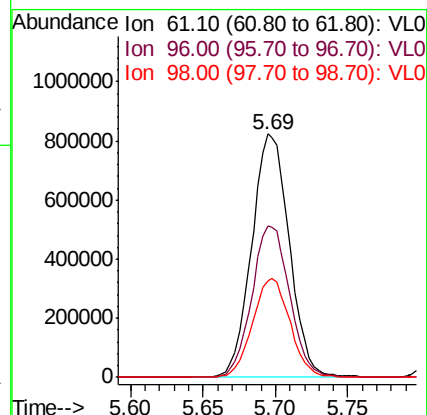
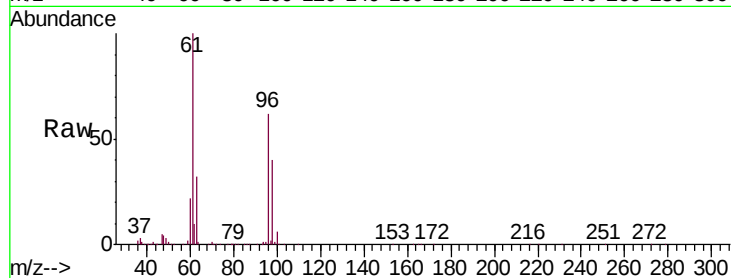




#31
 cis-1,2-Dichloroethene
 Concen: 11.419 ppbv
 RT: 5.69 min Scan# 1433
 Delta R.T. -0.00 min
 Lab File: VL032376.D
 Acq: 16 Aug 2018 7:58

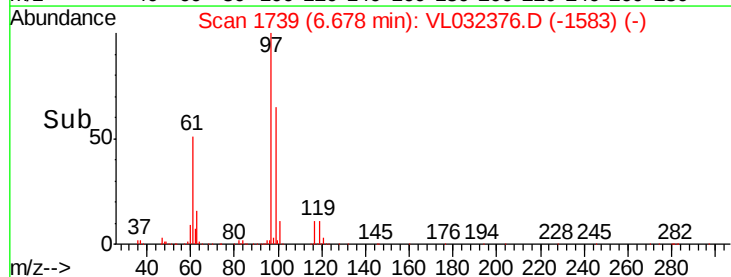
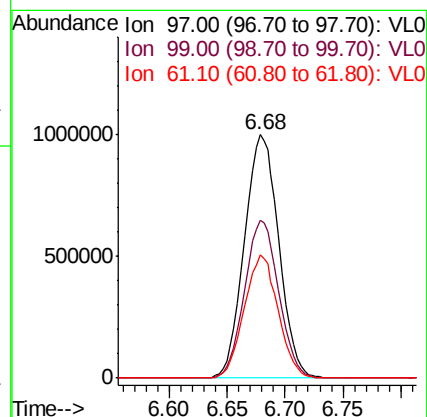
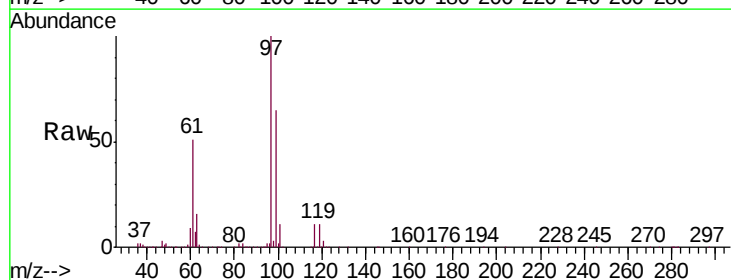
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

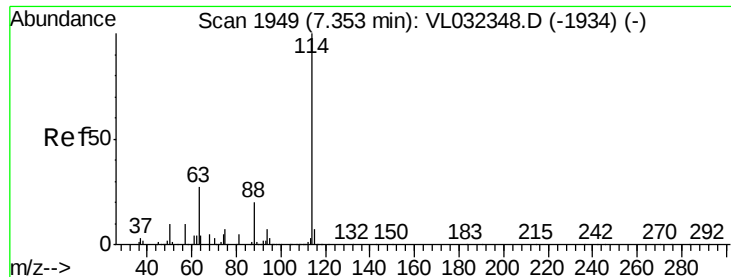
Tgt Ion: 61 Resp: 1482085
 Ion Ratio Lower Upper
 61 100
 96 61.9 48.5 72.7
 98 39.6 31.0 46.4



#32
 1,1,1-Trichloroethane
 Concen: 10.928 ppbv
 RT: 6.68 min Scan# 1739
 Delta R.T. 0.00 min
 Lab File: VL032376.D
 Acq: 16 Aug 2018 7:58

Tgt Ion: 97 Resp: 2067799
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.1 76.7
 61 49.6 41.1 61.7

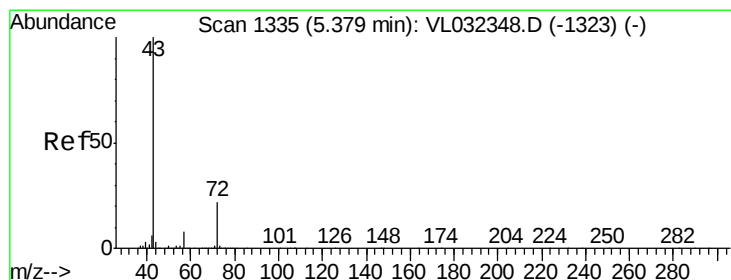
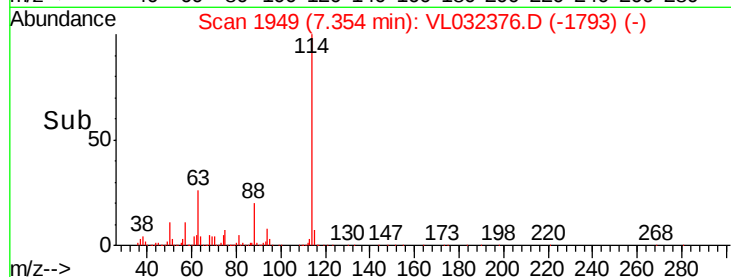
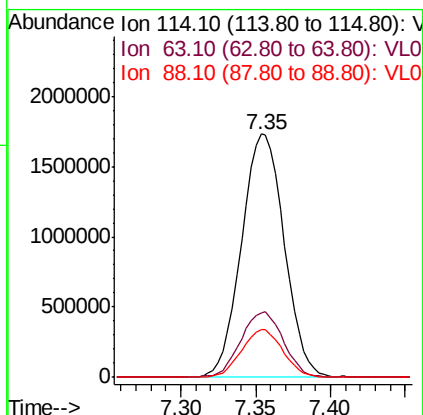
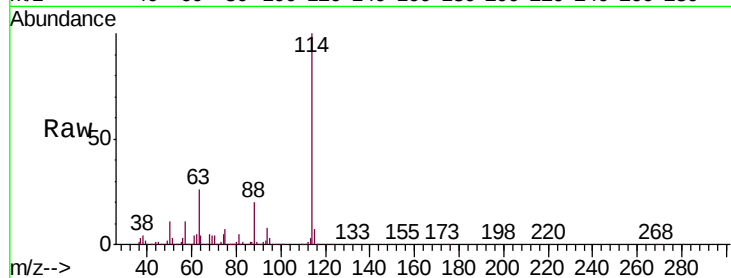




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.35 min Scan# 1949
 Delta R.T. 0.00 min
 Lab File: VL032376.D
 Acq: 16 Aug 2018 7:58

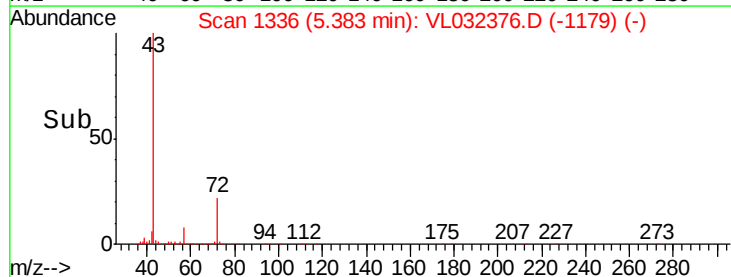
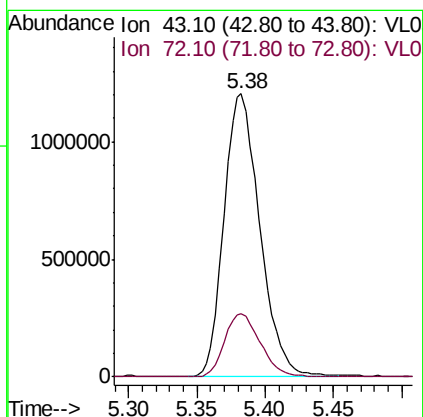
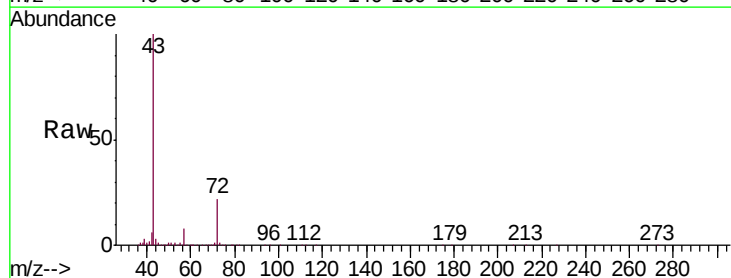
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

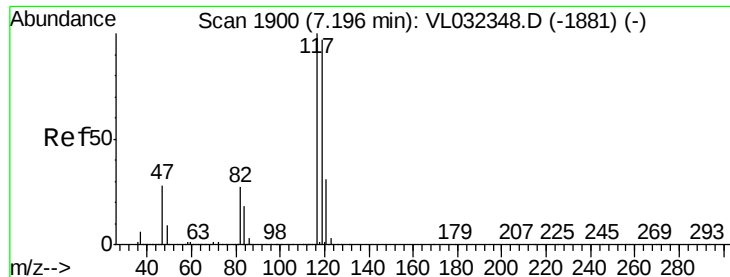
Tgt Ion: 114 Resp: 3442335
 Ion Ratio Lower Upper
 114 100
 63 27.1 22.0 33.0
 88 19.0 15.3 22.9



#34
 2-Butanone
 Concen: 9.325 ppbv
 RT: 5.38 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VL032376.D
 Acq: 16 Aug 2018 7:58

Tgt Ion: 43 Resp: 2184738
 Ion Ratio Lower Upper
 43 100
 72 22.5 17.9 26.9





#35

Carbon Tetrachloride

Concen: 9.536 ppbv

RT: 7.20 min Scan# 1900

Delta R.T. 0.00 min

Lab File: VL032376.D

Acq: 16 Aug 2018 7:58

Instrument :

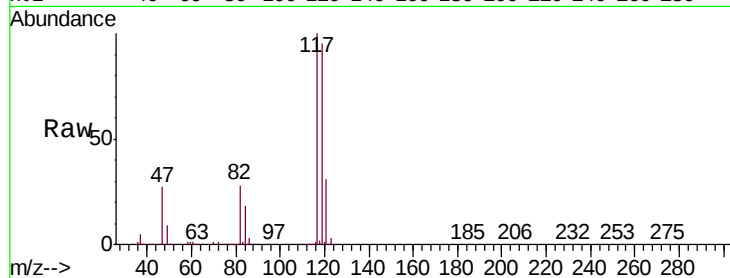
MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 117 Resp: 1935459

Ion	Ratio	Lower	Upper
117	100		
119	94.9	77.2	115.8
121	30.6	25.1	37.7

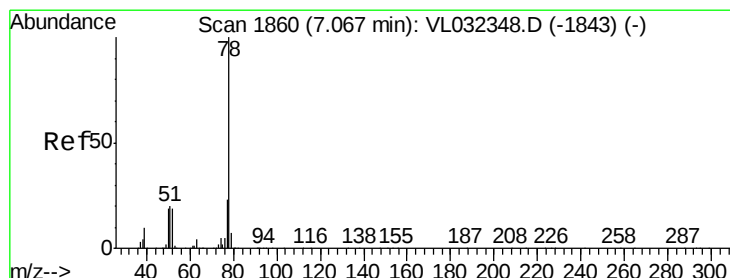
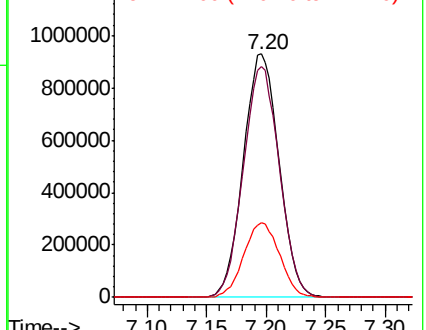
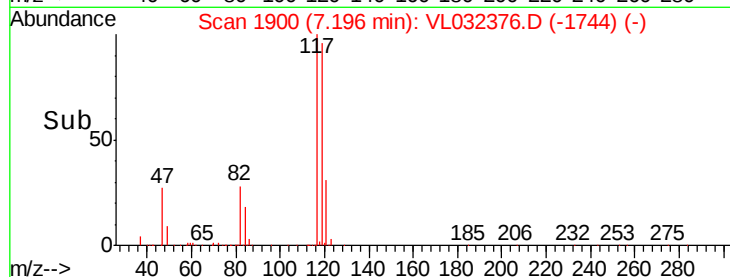


Abundance

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: 9.490 ppbv

RT: 7.07 min Scan# 1860

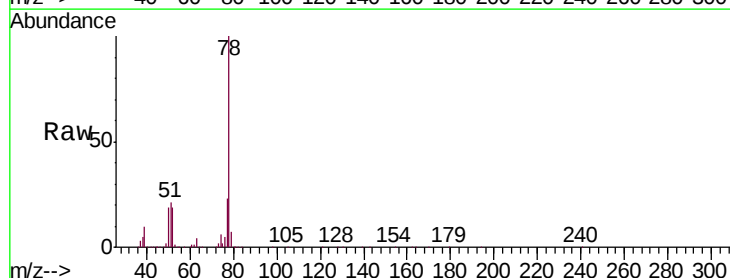
Delta R.T. 0.00 min

Lab File: VL032376.D

Acq: 16 Aug 2018 7:58

Tgt Ion: 78 Resp: 2769621

Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.0	27.0
50	18.9	15.1	22.7

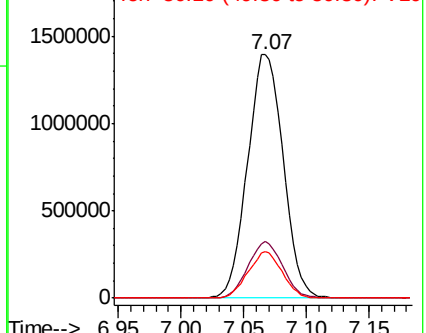
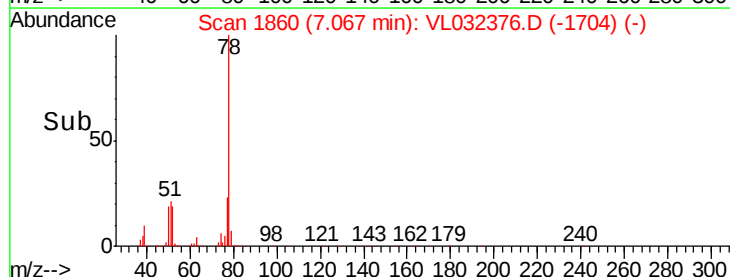


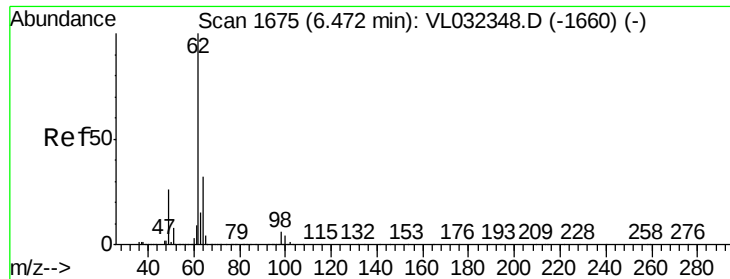
Abundance

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

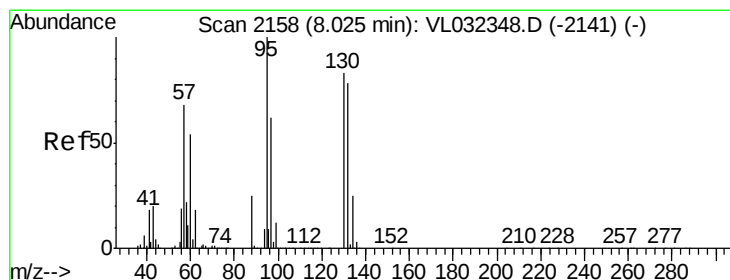
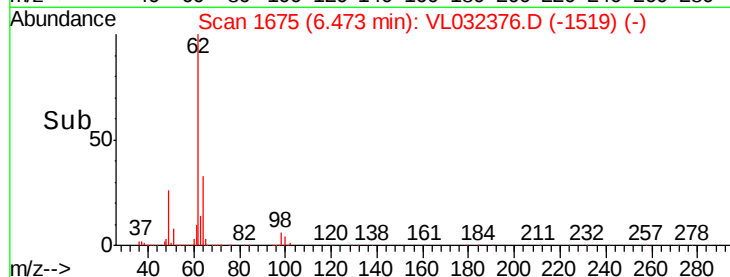
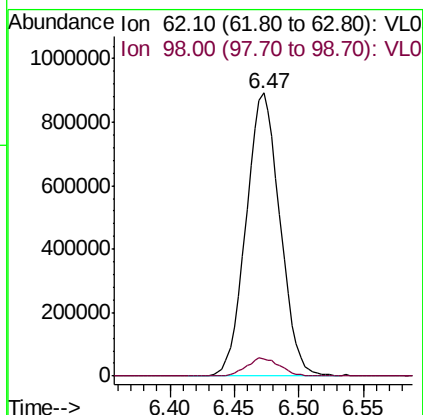
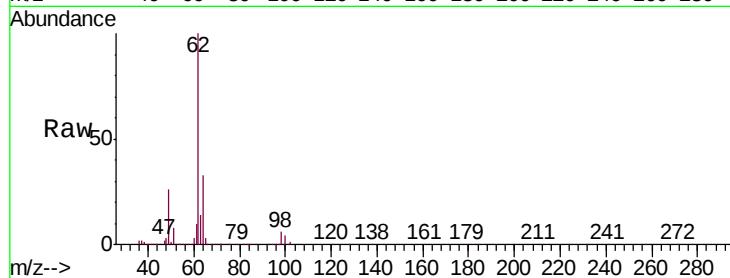




#37
 1,2-Dichloroethane
 Concen: 9.229 ppbv
 RT: 6.47 min Scan# 1675
 Delta R.T. 0.00 min
 Lab File: VL032376.D
 Acq: 16 Aug 2018 7:58

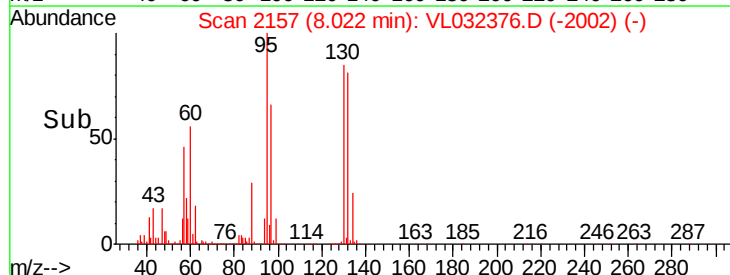
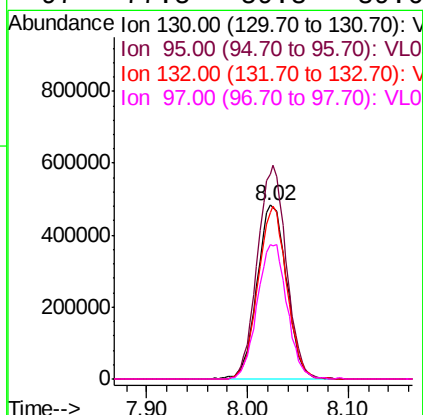
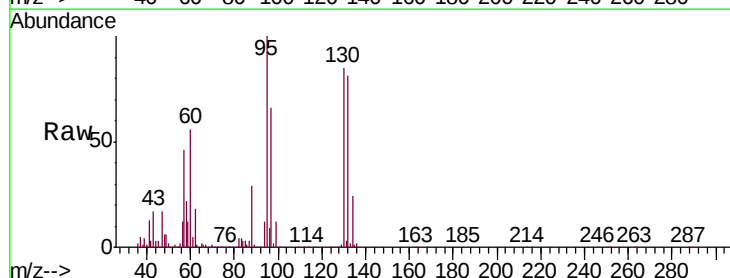
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

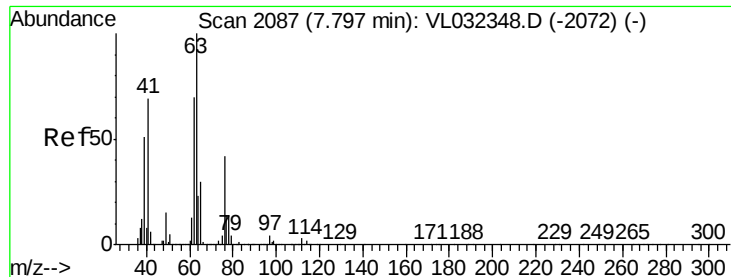
Tgt Ion: 62 Resp: 1634158
 Ion Ratio Lower Upper
 62 100
 98 6.5 5.0 7.6



#38
 Trichloroethene
 Concen: 9.642 ppbv
 RT: 8.02 min Scan# 2157
 Delta R.T. -0.00 min
 Lab File: VL032376.D
 Acq: 16 Aug 2018 7:58

Tgt Ion: 130 Resp: 986939
 Ion Ratio Lower Upper
 130 100
 95 117.6 96.6 144.8
 132 95.6 75.5 113.3
 97 77.5 59.8 89.6





#39

1,2-Dichloropropane

Concen: 9.314 ppbv

RT: 7.80 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VL032376.D

Acq: 16 Aug 2018 7:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

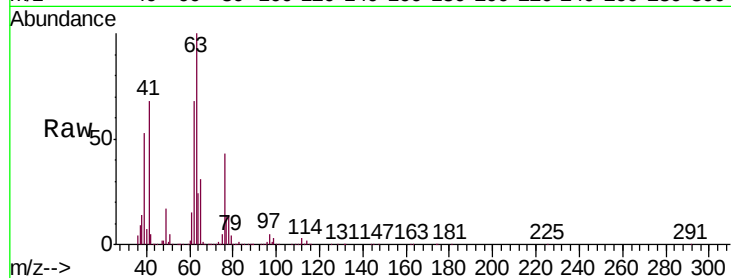
Tgt Ion: 63 Resp: 1135457

Ion Ratio Lower Upper

63 100

41 67.7 55.5 83.3

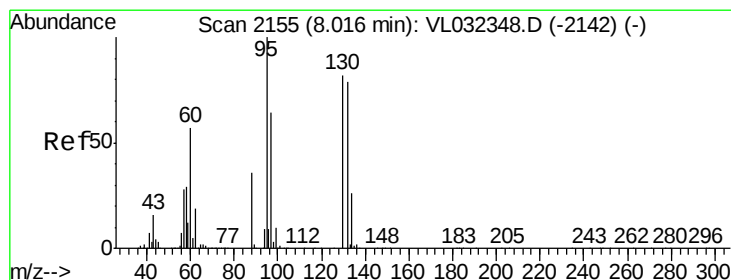
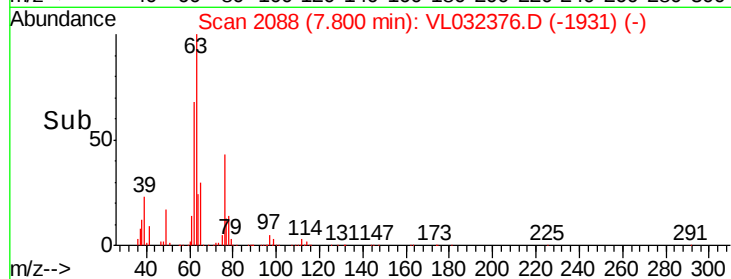
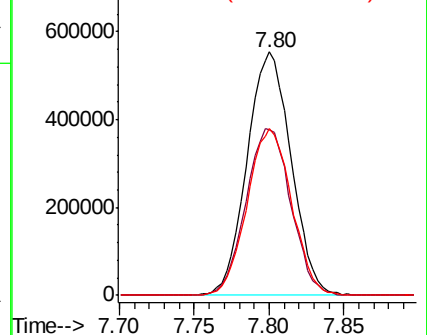
62 68.2 56.3 84.5



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 11.039 ppbv

RT: 8.02 min Scan# 2156

Delta R.T. 0.00 min

Lab File: VL032376.D

Acq: 16 Aug 2018 7:58

Tgt Ion: 88 Resp: 408780

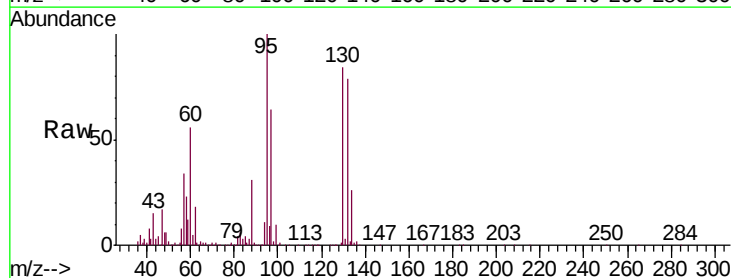
Ion Ratio Lower Upper

88 100

58 132.4 113.7 170.5

43 270.9 224.0 336.0

57 1222.5 1013.0 1519.6

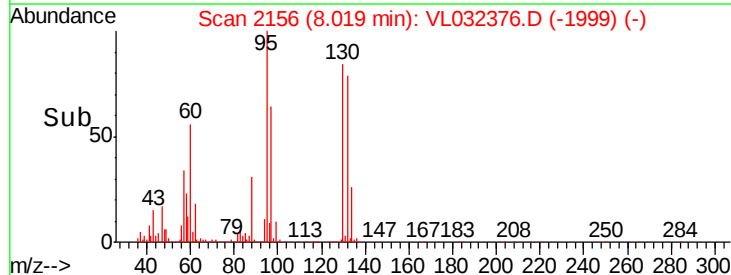
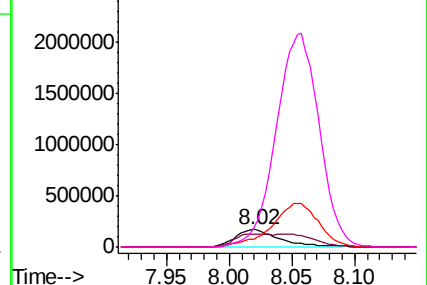


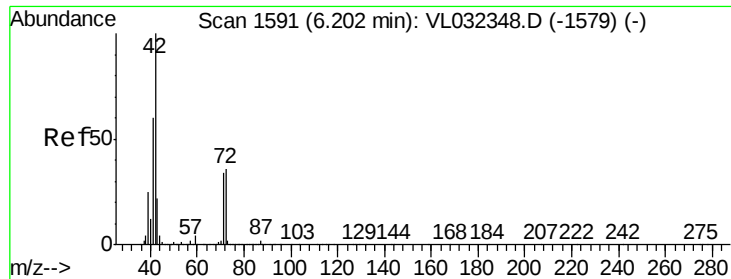
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

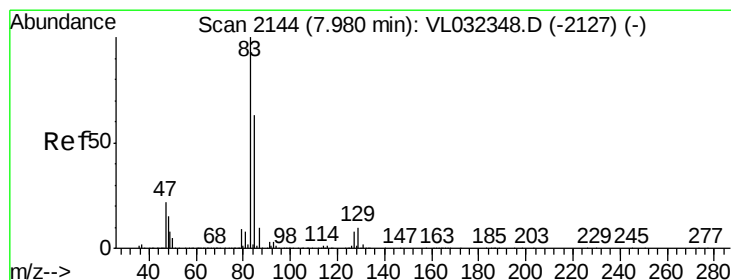
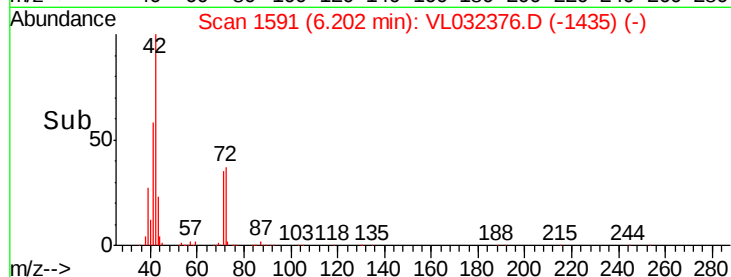
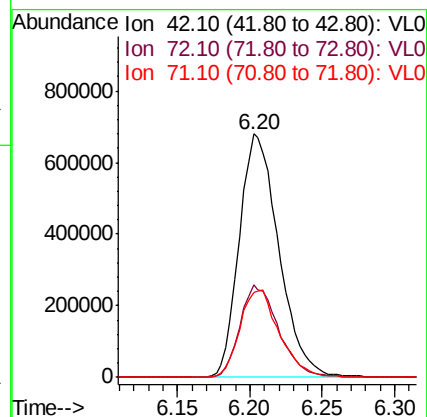
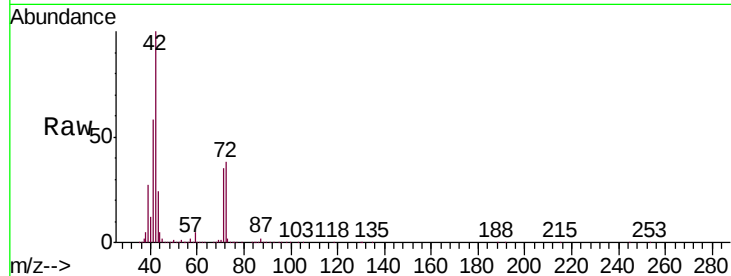




#41
Tetrahydrofuran
Concen: 10.260 ppbv
RT: 6.20 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VL032376.D
Acq: 16 Aug 2018 7:58

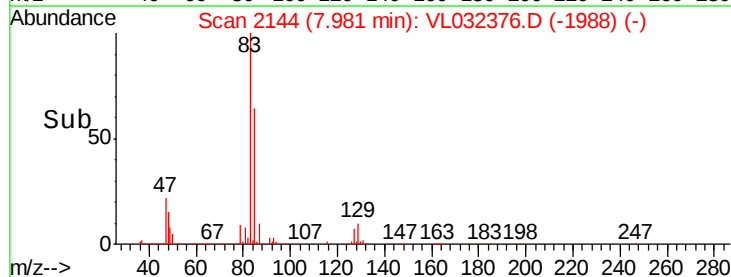
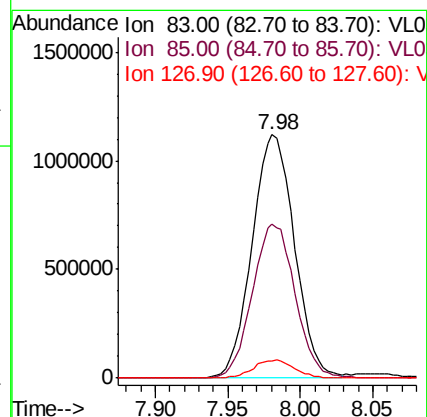
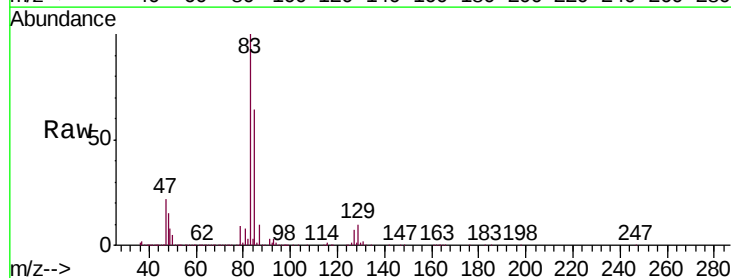
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

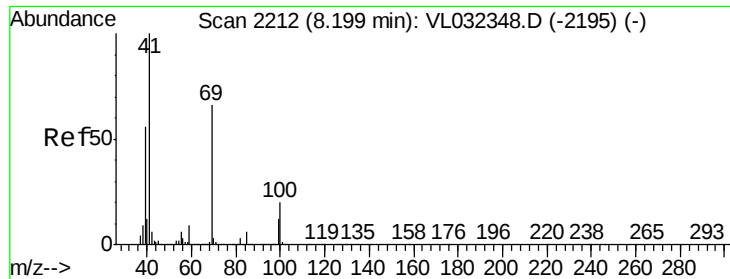
Tgt Ion: 42 Resp: 1290496
Ion Ratio Lower Upper
42 100
72 37.2 29.8 44.6
71 36.0 28.2 42.2



#42
Bromodichloromethane
Concen: 9.841 ppbv
RT: 7.98 min Scan# 2144
Delta R.T. 0.00 min
Lab File: VL032376.D
Acq: 16 Aug 2018 7:58

Tgt Ion: 83 Resp: 2281618
Ion Ratio Lower Upper
83 100
85 63.5 50.4 75.6
127 7.2 6.1 9.1

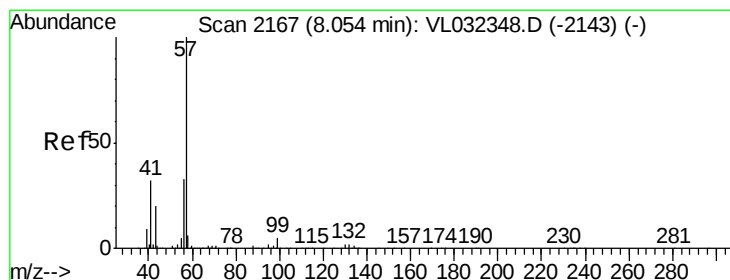
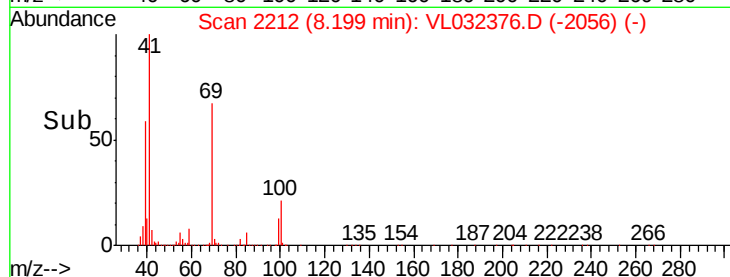
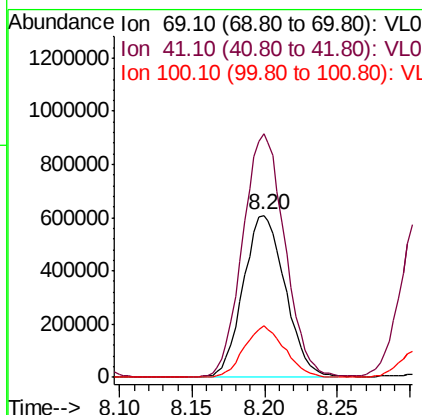
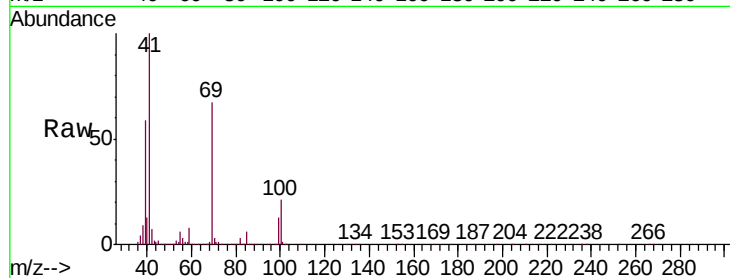




#43
Methyl Methacrylate
Concen: 10.577 ppbv
RT: 8.20 min Scan# 2212
Delta R.T. 0.00 min
Lab File: VL032376.D
Acq: 16 Aug 2018 7:58

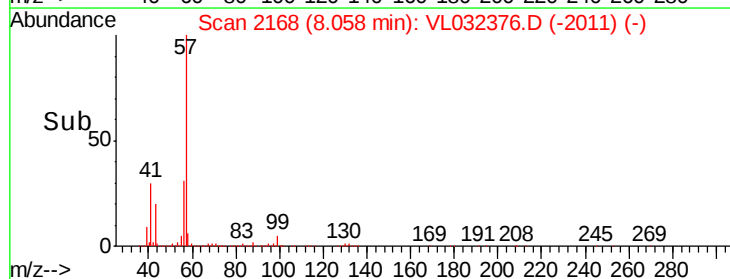
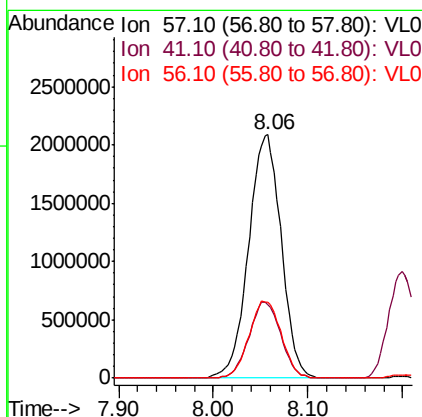
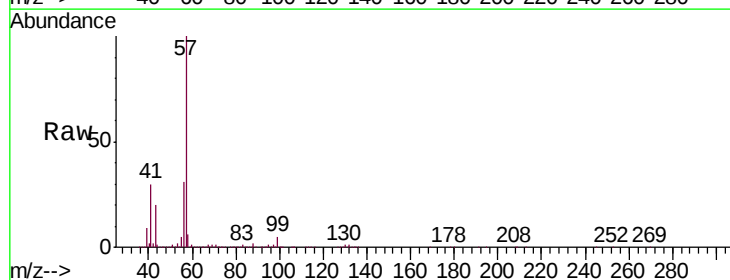
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

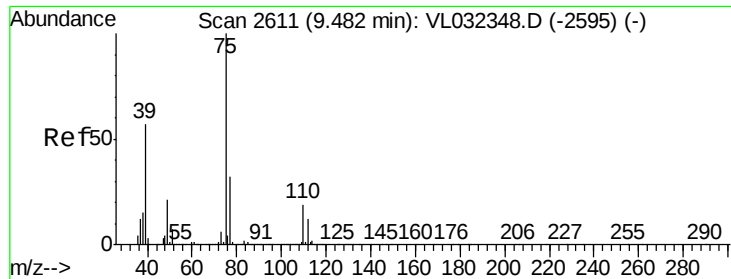
Tgt Ion: 69 Resp: 1229957
Ion Ratio Lower Upper
69 100
41 150.7 118.6 177.8
100 30.8 23.4 35.2



#44
2,2,4-Trimethylpentane
Concen: 9.487 ppbv
RT: 8.06 min Scan# 2168
Delta R.T. 0.00 min
Lab File: VL032376.D
Acq: 16 Aug 2018 7:58

Tgt Ion: 57 Resp: 4992566
Ion Ratio Lower Upper
57 100
41 30.8 24.3 36.5
56 31.2 25.7 38.5





#45

t-1,3-Dichloropropene

Concen: 11.574 ppbv

RT: 9.48 min Scan# 2610

Delta R.T. -0.00 min

Lab File: VL032376.D

Acq: 16 Aug 2018 7:58

Instrument :

MSVOA_L

ClientSampleId :

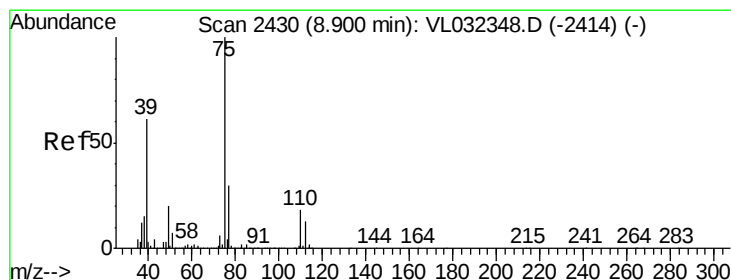
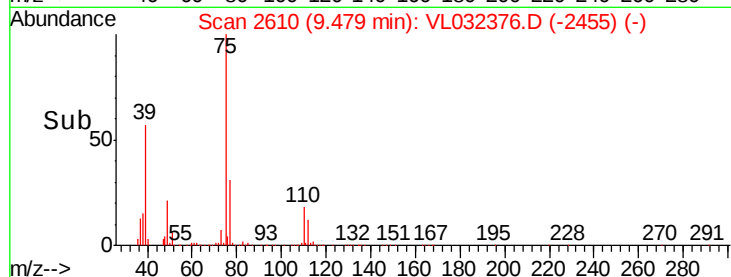
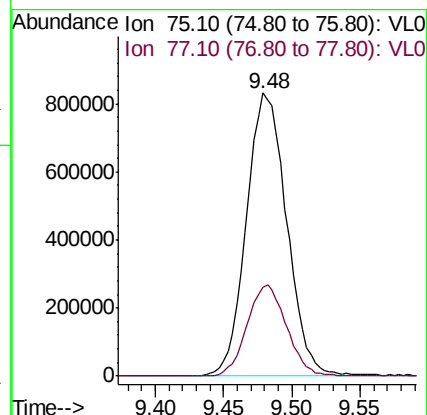
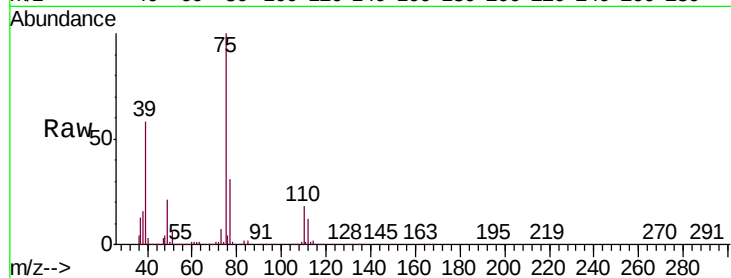
VSTDCCC010EC

Tgt Ion: 75 Resp: 1702319

Ion Ratio Lower Upper

75 100

77 31.3 25.4 38.2



#46

cis-1,3-Dichloropropene

Concen: 10.886 ppbv

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VL032376.D

Acq: 16 Aug 2018 7:58

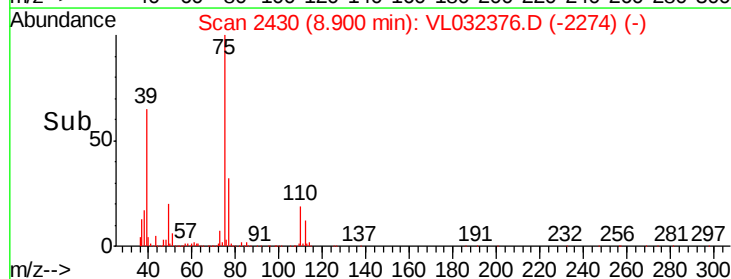
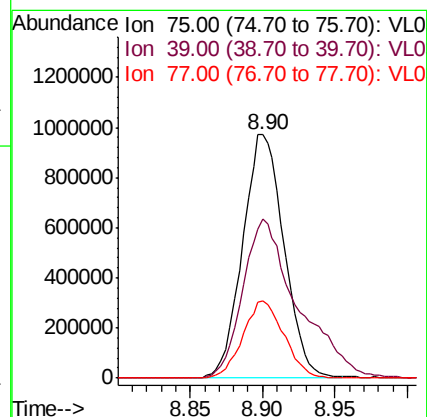
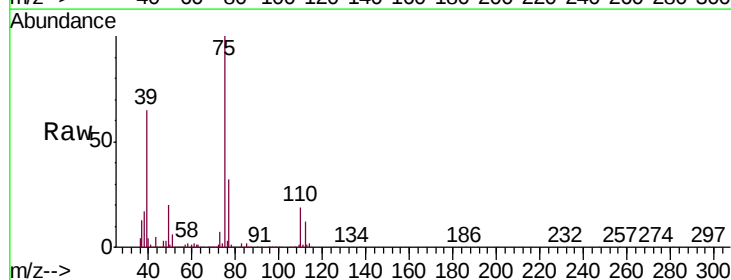
Tgt Ion: 75 Resp: 1920181

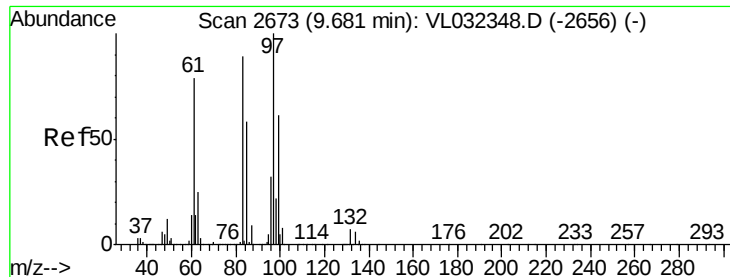
Ion Ratio Lower Upper

75 100

39 65.2 48.5 72.7

77 31.7 24.3 36.5





#47

1,1,2-Trichloroethane

Concen: 9.066 ppbv

RT: 9.68 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VL032376.D

Acq: 16 Aug 2018 7:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 97 Resp: 1216367

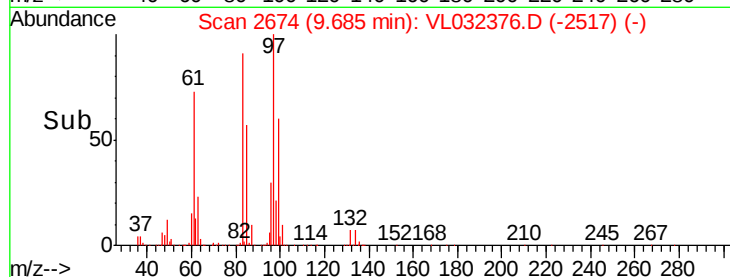
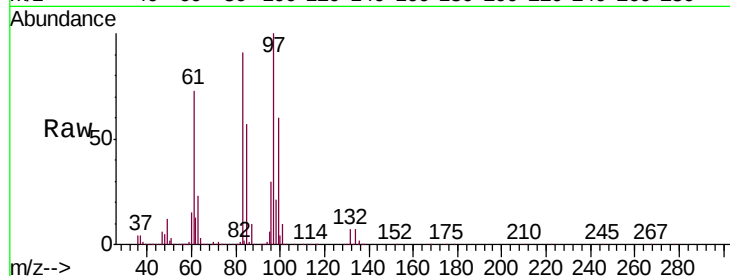
Ion Ratio Lower Upper

97 100

83 90.8 71.2 106.8

85 56.7 46.6 69.8

99 60.2 49.2 73.8

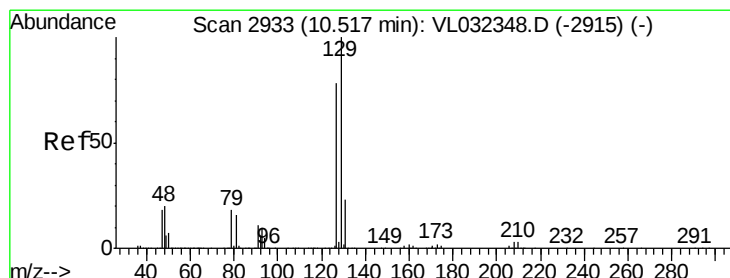
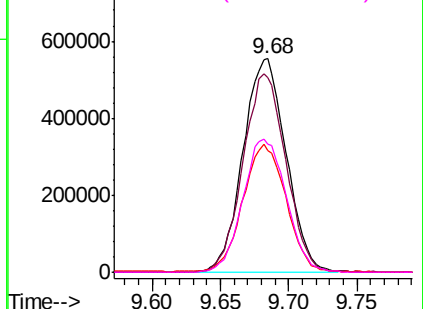


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 10.051 ppbv

RT: 10.52 min Scan# 2934

Delta R.T. 0.00 min

Lab File: VL032376.D

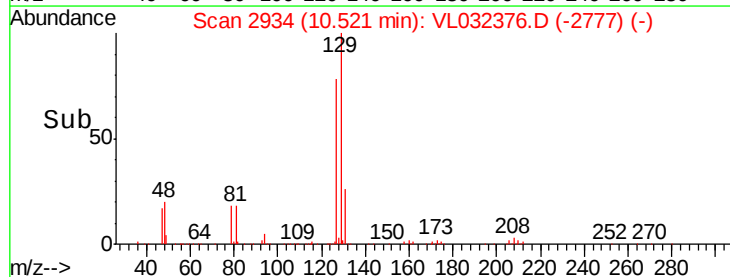
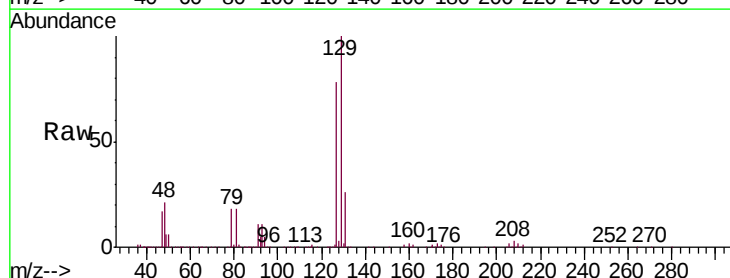
Acq: 16 Aug 2018 7:58

Tgt Ion: 129 Resp: 1802994

Ion Ratio Lower Upper

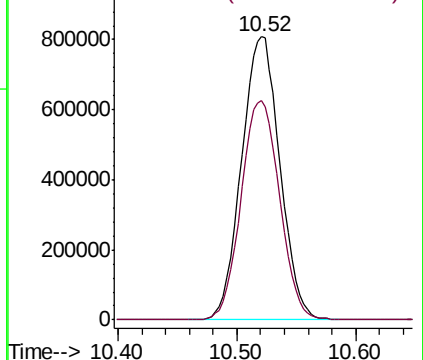
129 100

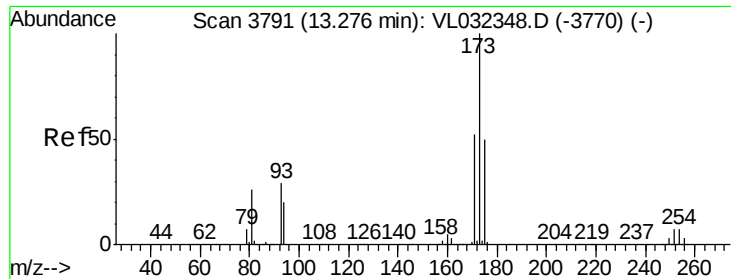
127 78.1 39.3 117.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 9.857 ppbv

RT: 13.27 min Scan# 3790

Delta R.T. -0.00 min

Lab File: VL032376.D

Acq: 16 Aug 2018 7:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

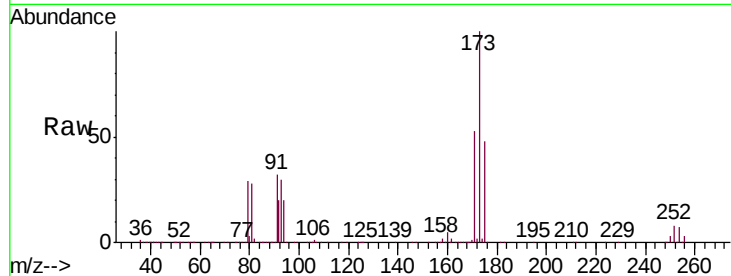
Tgt Ion:173 Resp: 1468709

Ion Ratio Lower Upper

173 100

175 48.7 39.3 58.9

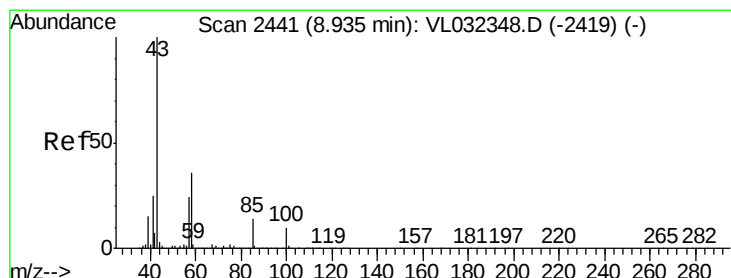
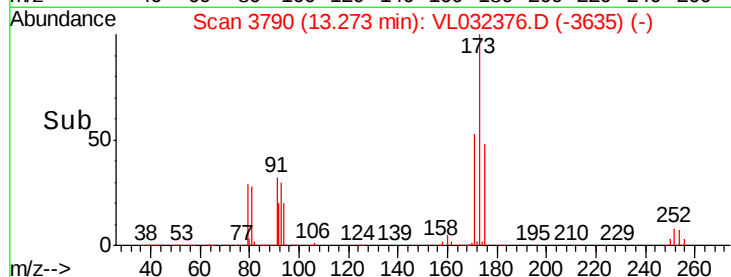
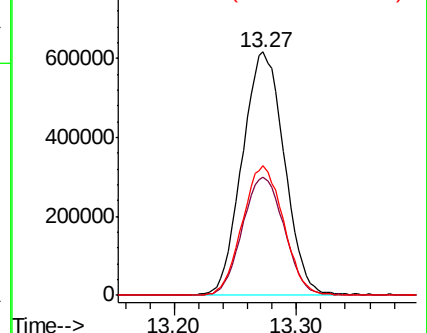
171 52.4 41.9 62.9



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.075 ppbv

RT: 8.94 min Scan# 2441

Delta R.T. 0.00 min

Lab File: VL032376.D

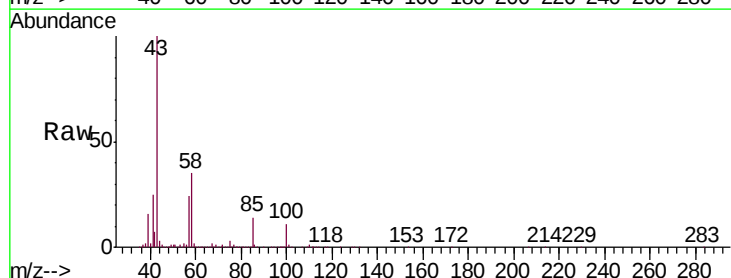
Acq: 16 Aug 2018 7:58

Tgt Ion: 43 Resp: 3070524

Ion Ratio Lower Upper

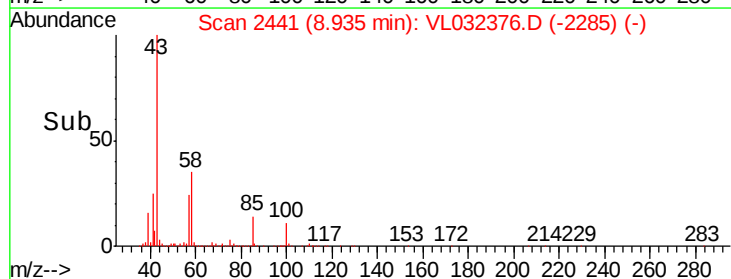
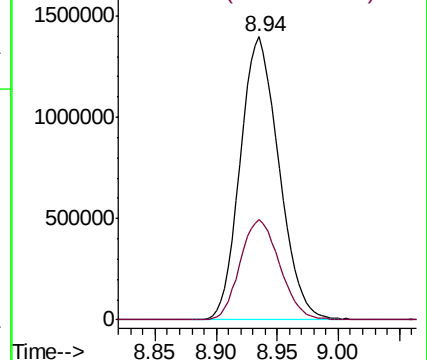
43 100

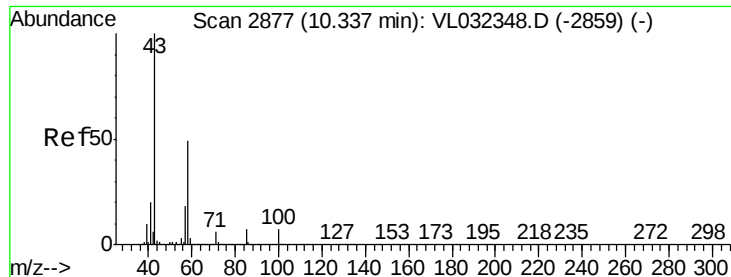
58 36.5 28.9 43.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

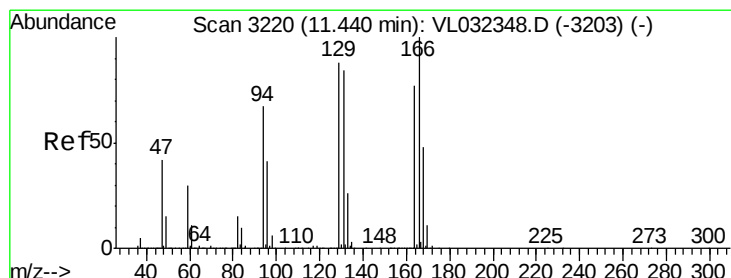
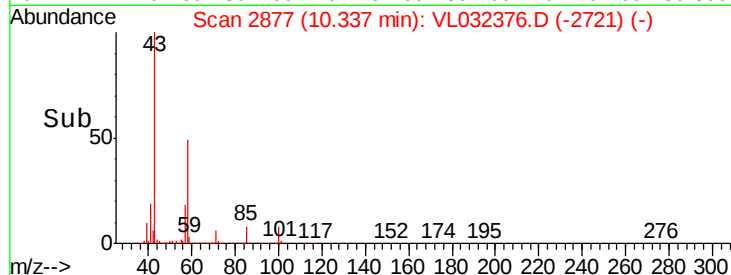
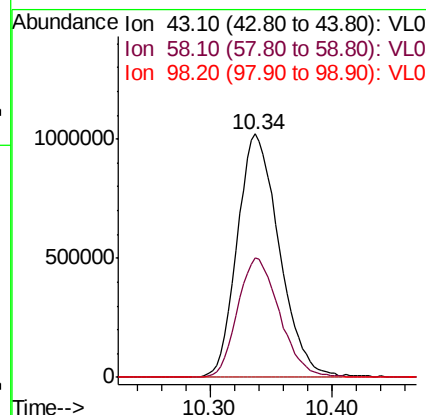
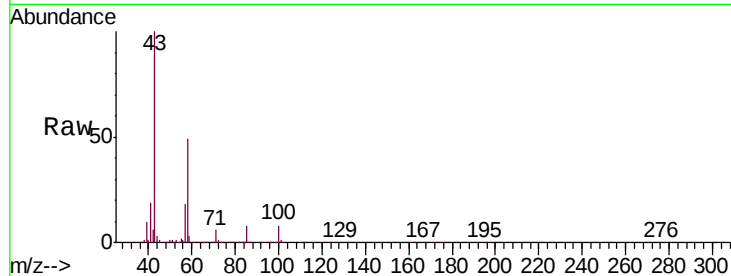




#51
2-Hexanone
Concen: 10.218 ppbv
RT: 10.34 min Scan# 2877
Delta R.T. 0.00 min
Lab File: VL032376.D
Acq: 16 Aug 2018 7:58

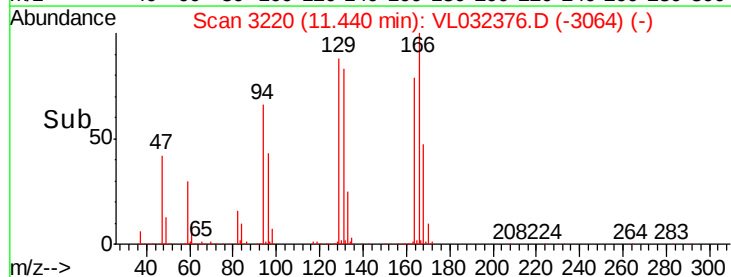
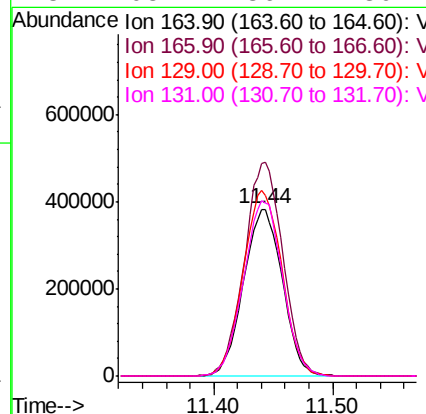
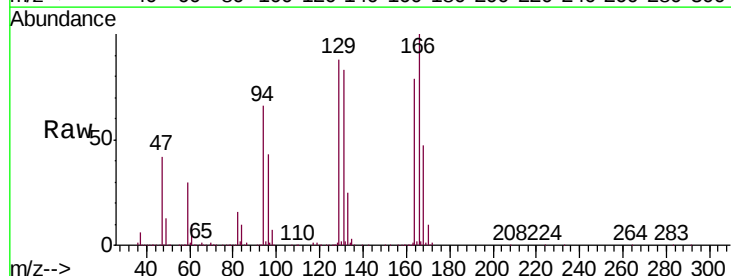
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

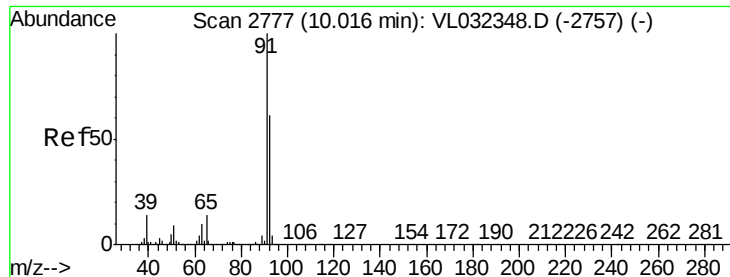
Tgt Ion: 43 Resp: 2427749
Ion Ratio Lower Upper
43 100
58 49.4 39.5 59.3
98 0.1 0.3 0.5#



#52
Tetrachloroethene
Concen: 10.033 ppbv
RT: 11.44 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VL032376.D
Acq: 16 Aug 2018 7:58

Tgt Ion: 164 Resp: 863520
Ion Ratio Lower Upper
164 100
166 127.2 103.5 155.3
129 111.5 90.9 136.3
131 105.1 86.7 130.1





#53

Toluene

Concen: 9.995 ppbv

RT: 10.01 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VL032376.D

Acq: 16 Aug 2018 7:58

Instrument :

MSVOA_L

ClientSampleId :

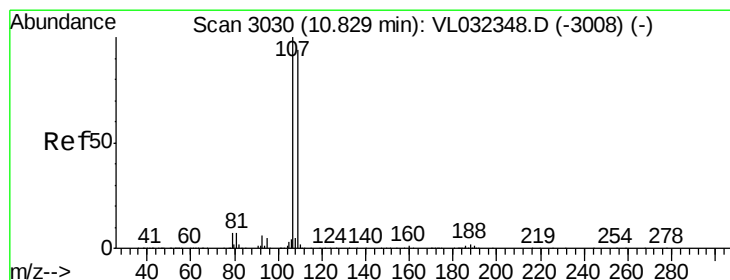
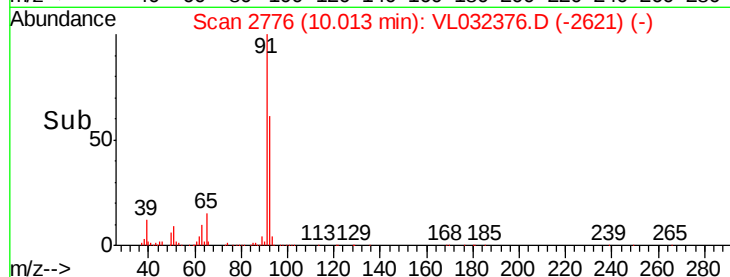
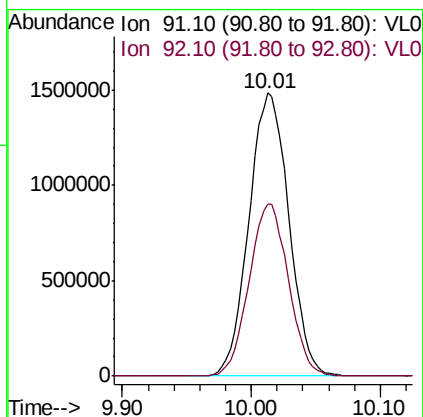
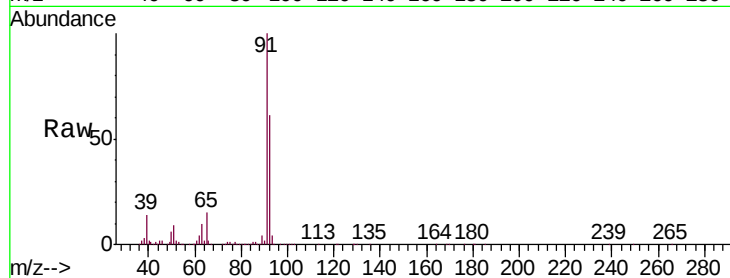
VSTDCCC010EC

Tgt Ion: 91 Resp: 3197563

Ion Ratio Lower Upper

91 100

92 60.3 48.7 73.1



#54

1,2-Dibromoethane

Concen: 9.739 ppbv

RT: 10.83 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VL032376.D

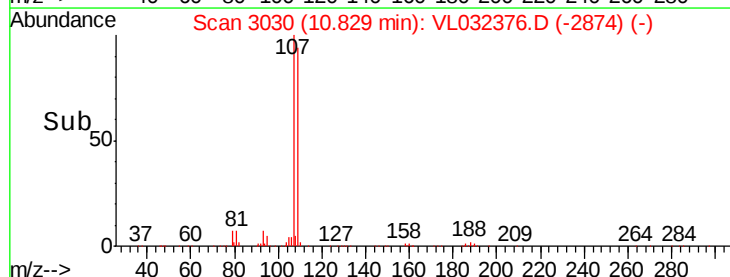
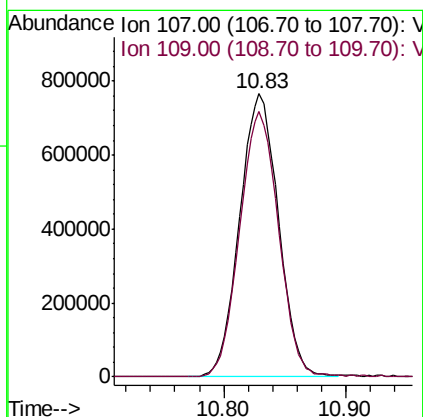
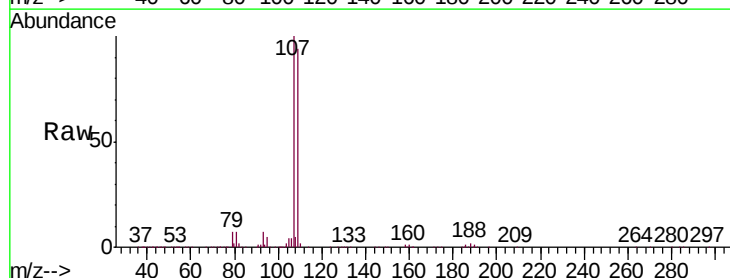
Acq: 16 Aug 2018 7:58

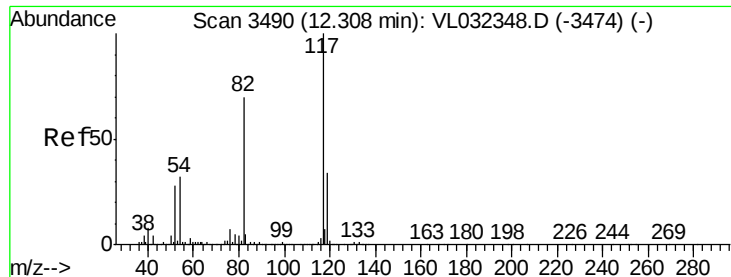
Tgt Ion: 107 Resp: 1678469

Ion Ratio Lower Upper

107 100

109 93.5 74.9 112.3





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.31 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VL032376.D

Acq: 16 Aug 2018 7:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

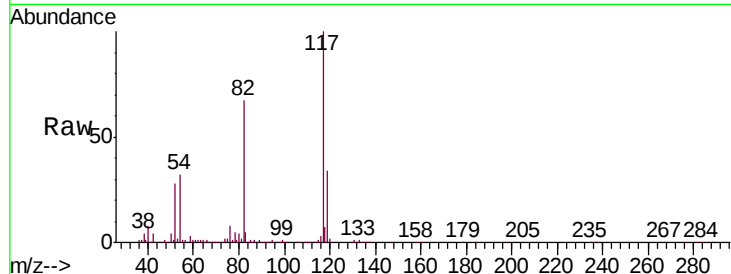
Tgt Ion:117 Resp: 3962707

Ion Ratio Lower Upper

117 100

82 55.7 55.1 82.7

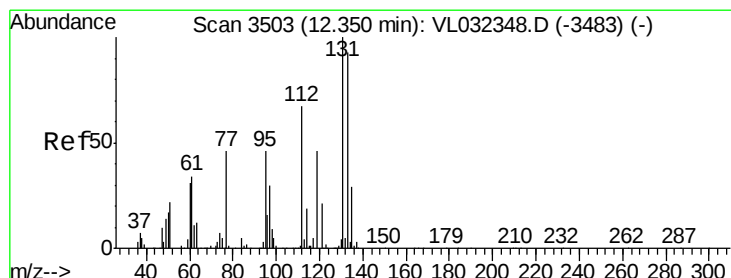
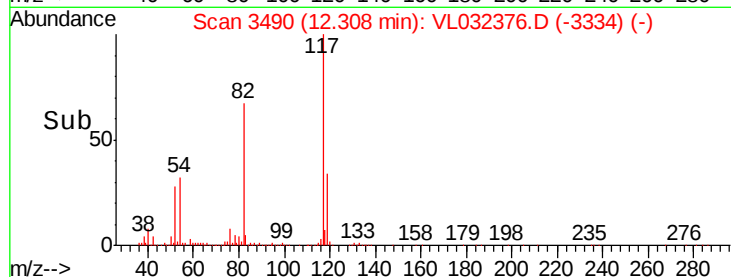
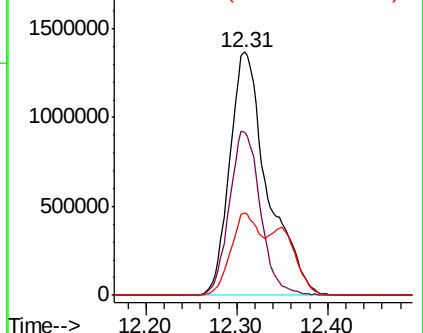
119 26.3 46.0 69.0#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 7.738 ppbv

RT: 12.35 min Scan# 3503

Delta R.T. 0.00 min

Lab File: VL032376.D

Acq: 16 Aug 2018 7:58

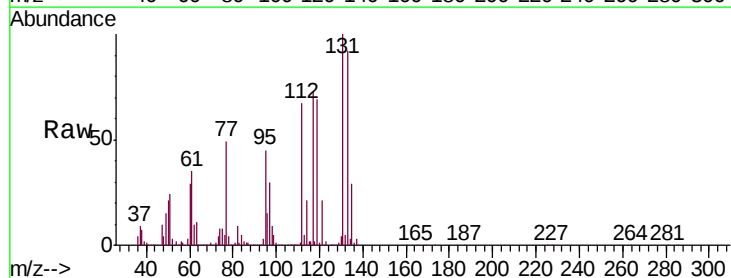
Tgt Ion:131 Resp: 1268486

Ion Ratio Lower Upper

131 100

133 93.6 75.7 113.5

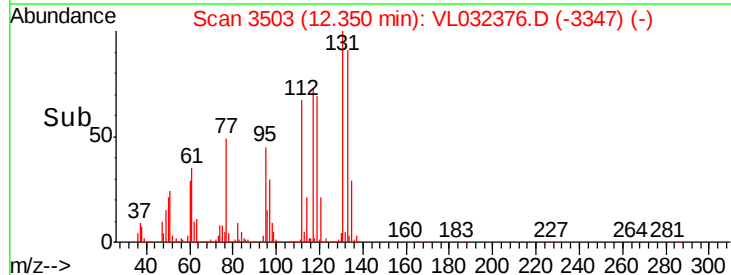
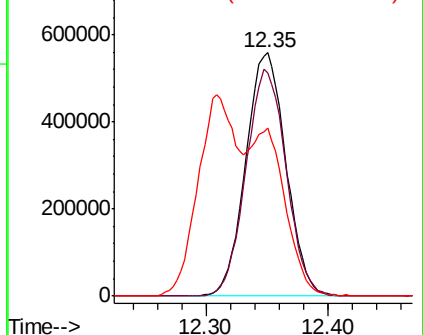
119 61.8 116.0 174.0#

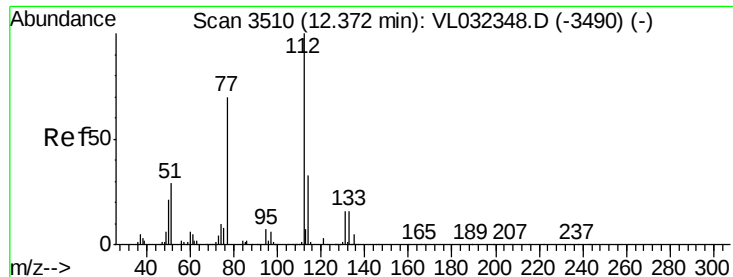


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 7.669 ppbv

RT: 12.37 min Scan# 3510

Delta R.T. 0.00 min

Lab File: VL032376.D

Acq: 16 Aug 2018 7:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

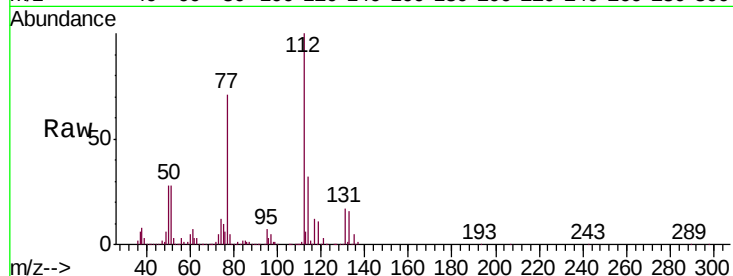
Tgt Ion: 112 Resp: 2287780

Ion Ratio Lower Upper

112 100

77 70.3 56.6 84.8

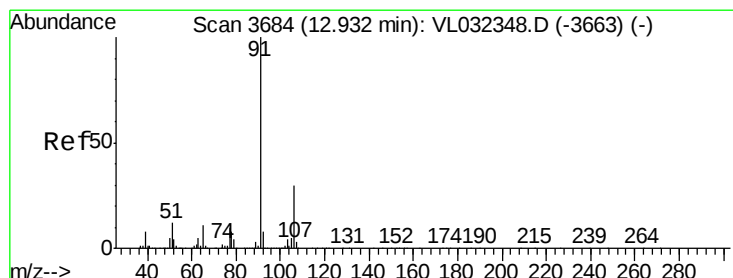
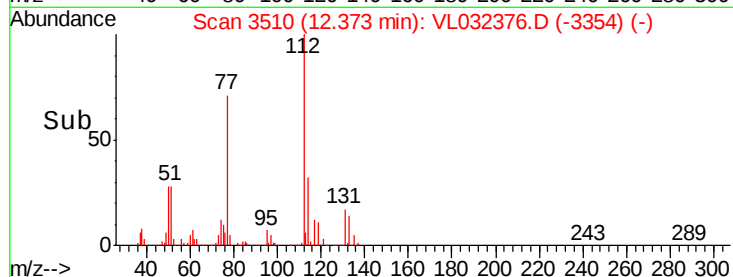
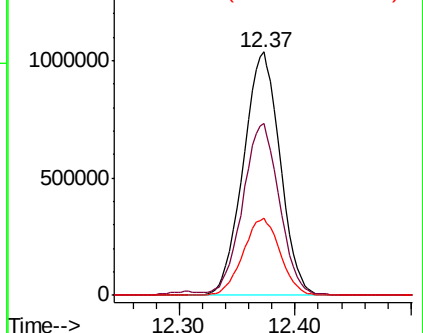
114 31.5 29.4 36.0



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: 9.135 ppbv

RT: 12.93 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VL032376.D

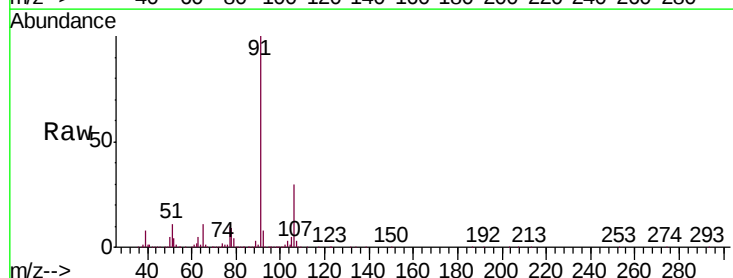
Acq: 16 Aug 2018 7:58

Tgt Ion: 91 Resp: 4355134

Ion Ratio Lower Upper

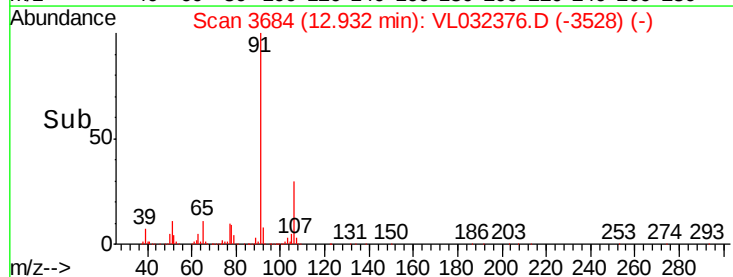
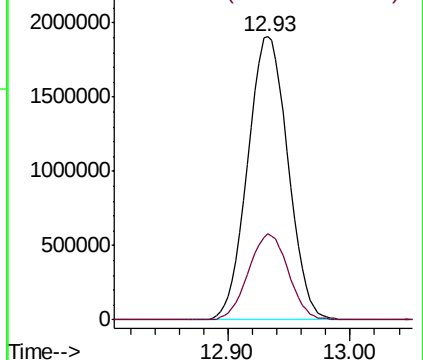
91 100

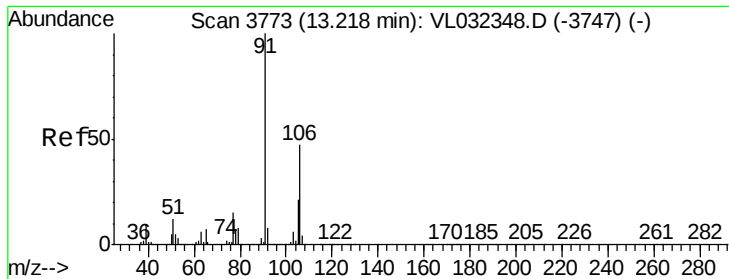
106 30.3 24.3 36.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

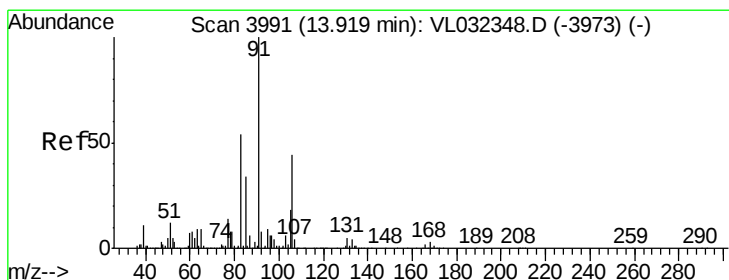
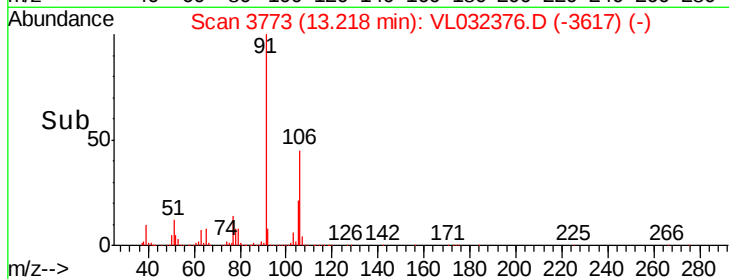
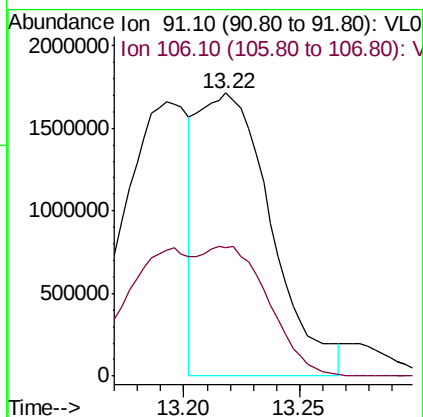
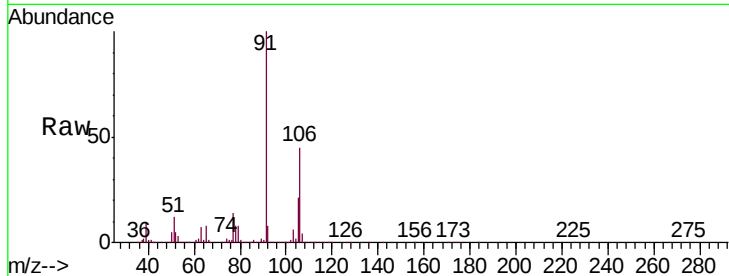




#59
m/p-Xylene
Concen: 9.282 ppbv
RT: 13.22 min Scan# 3773
Delta R.T. 0.00 min
Lab File: VL032376.D
Acq: 16 Aug 2018 7:58

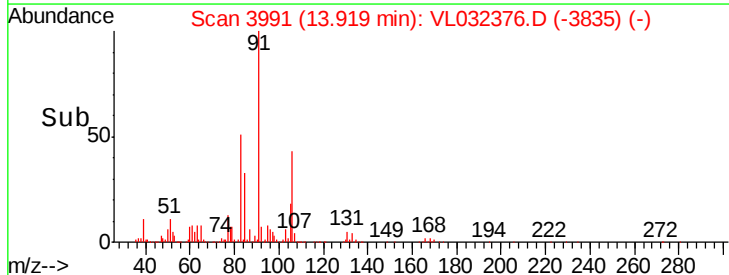
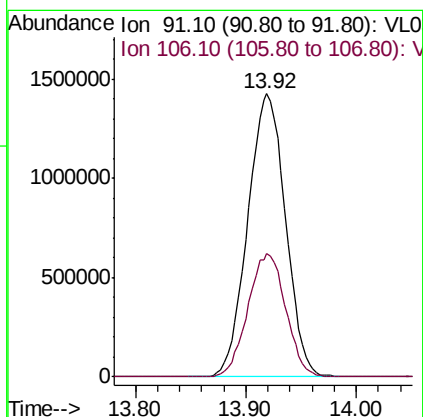
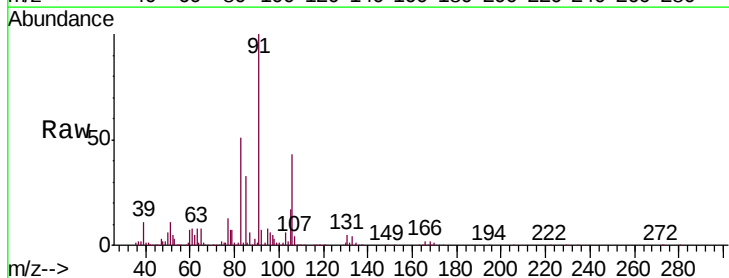
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

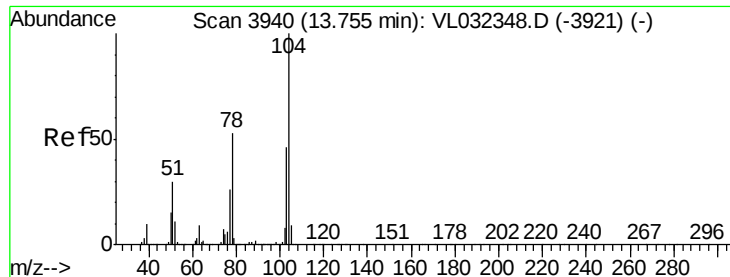
Tgt Ion: 91 Resp: 3759164
Ion Ratio Lower Upper
91 100
106 83.9 37.0 55.4#



#60
o-Xylene
Concen: 8.483 ppbv
RT: 13.92 min Scan# 3991
Delta R.T. 0.00 min
Lab File: VL032376.D
Acq: 16 Aug 2018 7:58

Tgt Ion: 91 Resp: 3376753
Ion Ratio Lower Upper
91 100
106 43.8 22.3 66.8

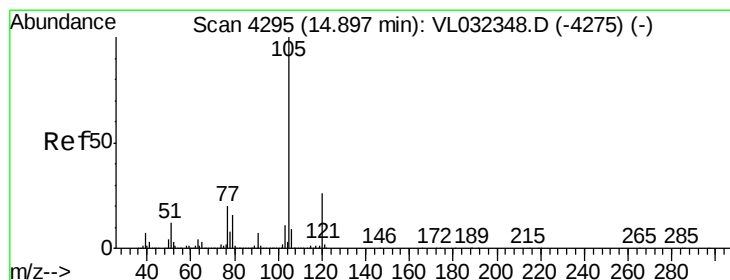
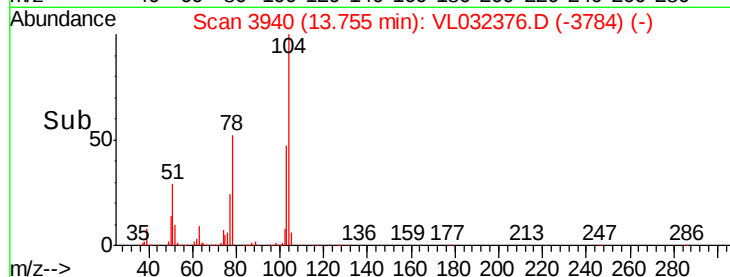
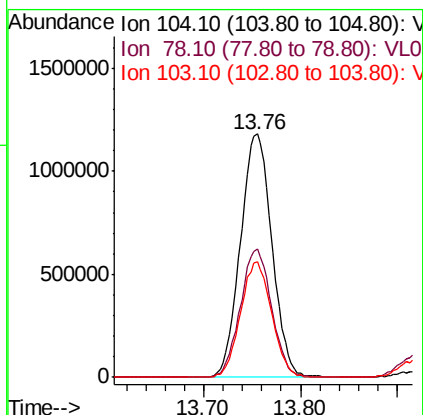
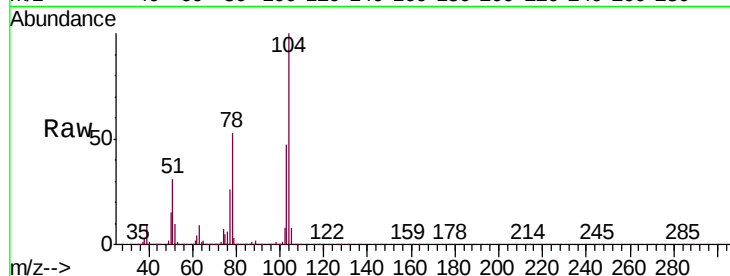




#61
Styrene
Concen: 9.617 ppbv
RT: 13.76 min Scan# 3940
Delta R.T. 0.00 min
Lab File: VL032376.D
Acq: 16 Aug 2018 7:58

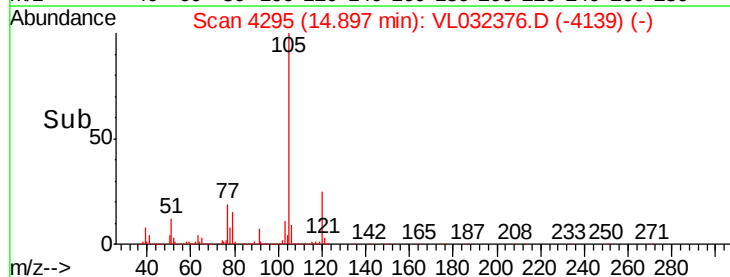
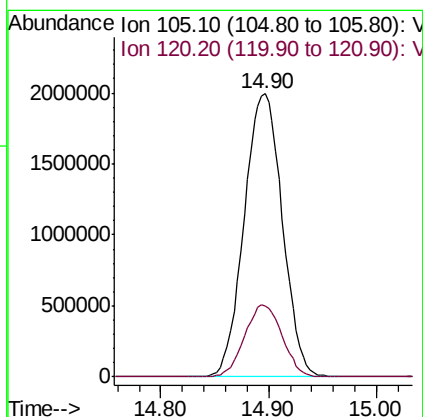
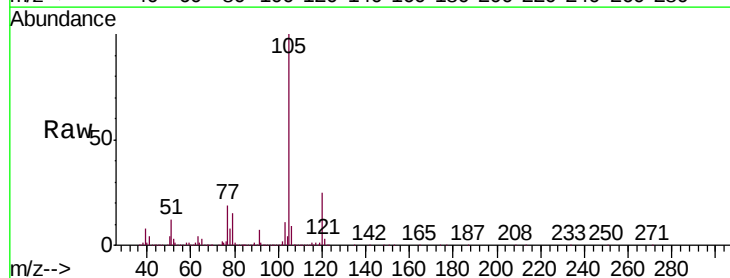
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

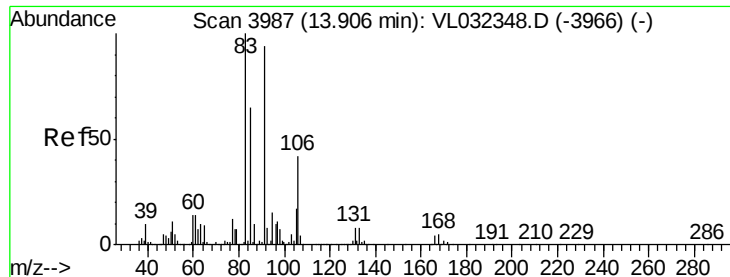
Tgt Ion:104 Resp: 2675681
Ion Ratio Lower Upper
104 100
78 52.5 42.6 64.0
103 46.8 38.0 57.0



#62
Isopropylbenzene
Concen: 8.644 ppbv
RT: 14.90 min Scan# 4295
Delta R.T. 0.00 min
Lab File: VL032376.D
Acq: 16 Aug 2018 7:58

Tgt Ion:105 Resp: 4898236
Ion Ratio Lower Upper
105 100
120 25.1 20.6 30.8





#63

1,1,2,2-Tetrachloroethane

Concen: 7.319 ppbv

RT: 13.90 min Scan# 3986

Delta R.T. -0.00 min

Lab File: VL032376.D

Acq: 16 Aug 2018 7:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

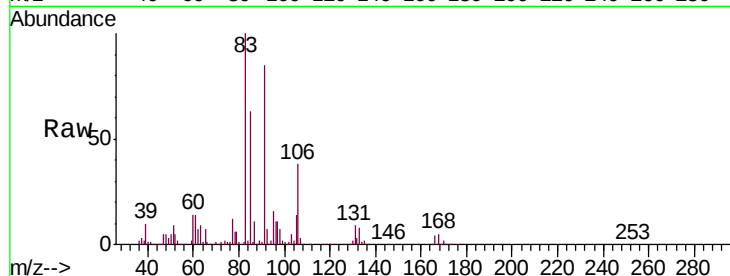
Tgt Ion: 83 Resp: 2450009

Ion Ratio Lower Upper

83 100

131 8.6 4.3 12.8

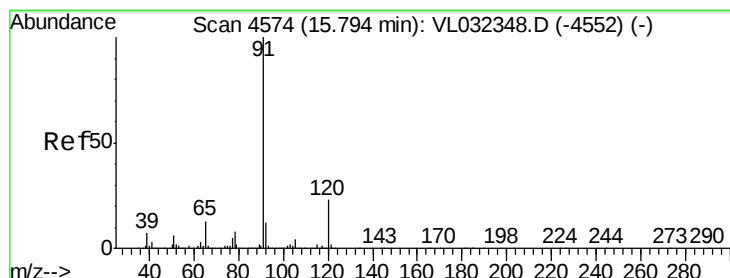
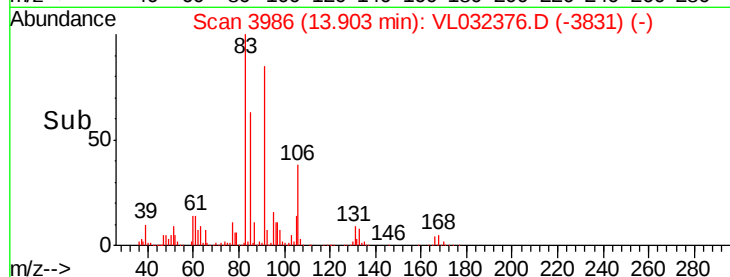
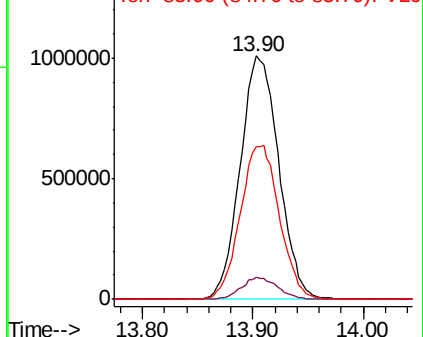
85 64.3 32.4 97.2



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



#64

n-propylbenzene

Concen: 8.464 ppbv

RT: 15.79 min Scan# 4573

Delta R.T. -0.00 min

Lab File: VL032376.D

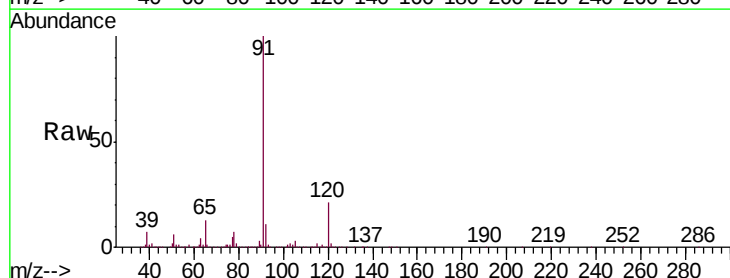
Acq: 16 Aug 2018 7:58

Tgt Ion: 120 Resp: 1241375

Ion Ratio Lower Upper

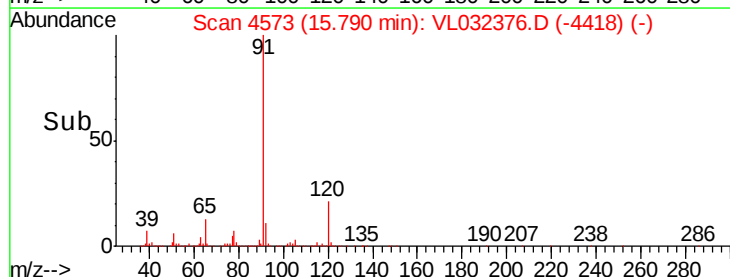
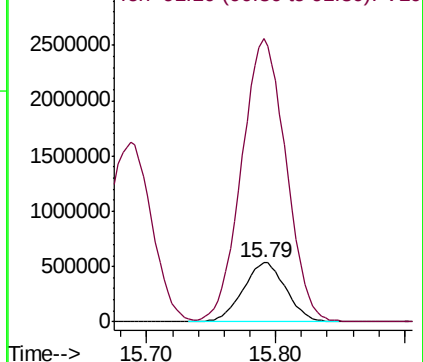
120 100

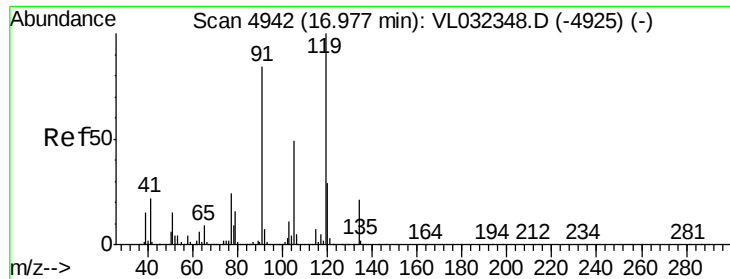
91 495.1 382.2 573.2



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

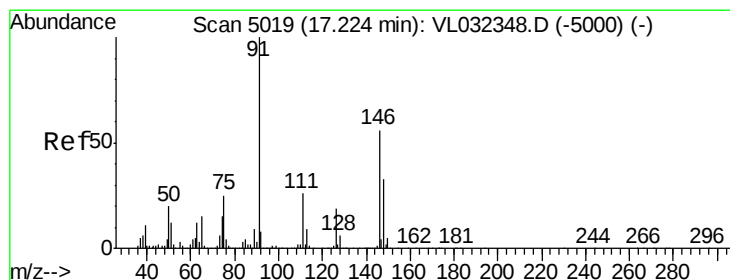
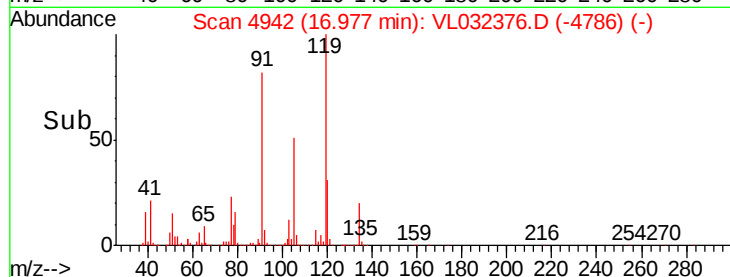
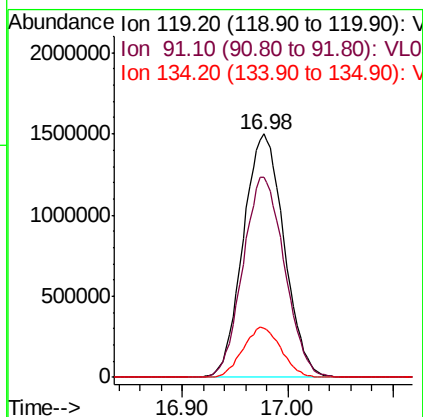
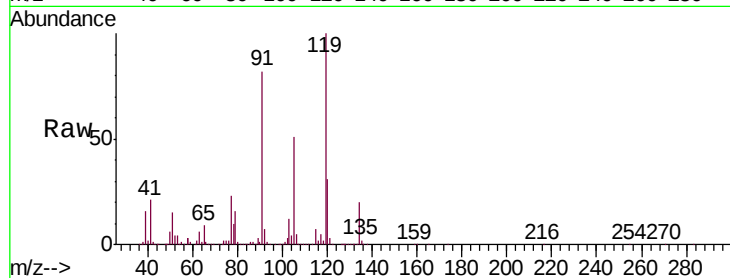




#65
 tert-Butylbenzene
 Concen: 8.345 ppbv
 RT: 16.98 min Scan# 4942
 Delta R.T. 0.00 min
 Lab File: VL032376.D
 Acq: 16 Aug 2018 7:58

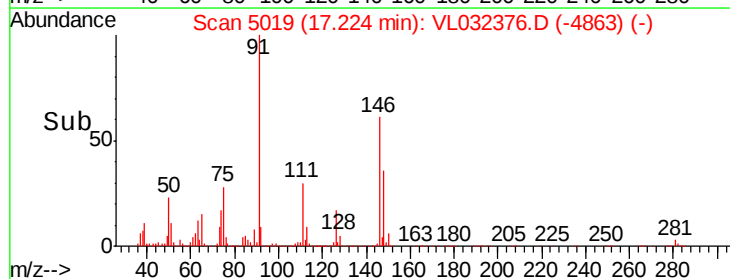
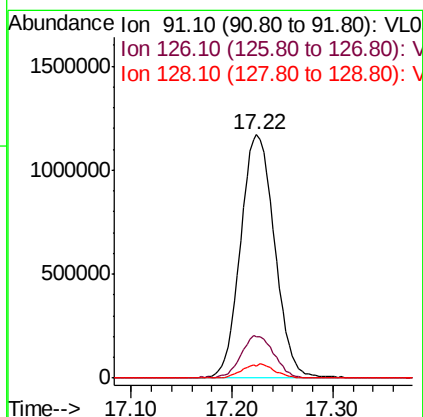
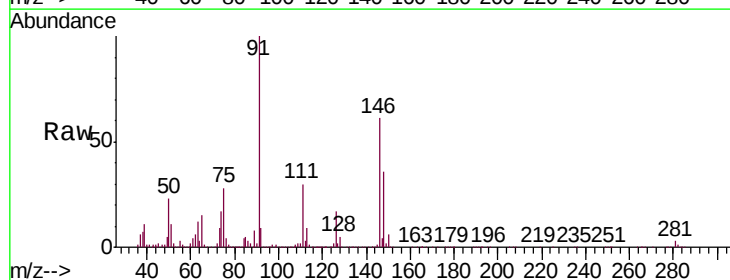
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

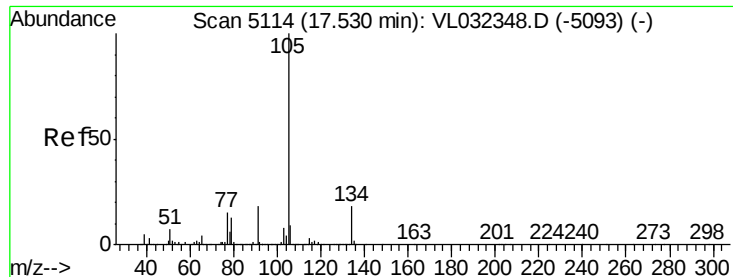
Tgt Ion: 119 Resp: 4039286
 Ion Ratio Lower Upper
 119 100
 91 83.7 67.4 101.0
 134 19.3 15.8 23.6



#66
 Benzyl Chloride
 Concen: 9.530 ppbv
 RT: 17.22 min Scan# 5019
 Delta R.T. 0.00 min
 Lab File: VL032376.D
 Acq: 16 Aug 2018 7:58

Tgt Ion: 91 Resp: 2731424
 Ion Ratio Lower Upper
 91 100
 126 17.2 14.2 21.4
 128 5.6 4.5 6.7

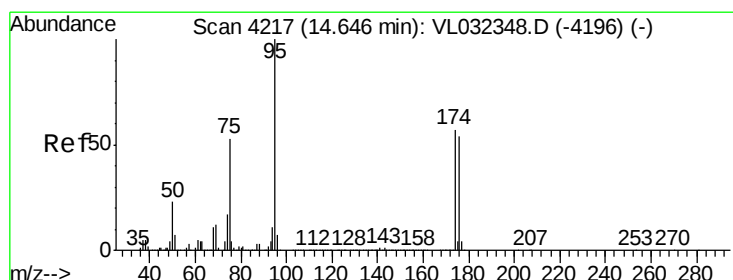
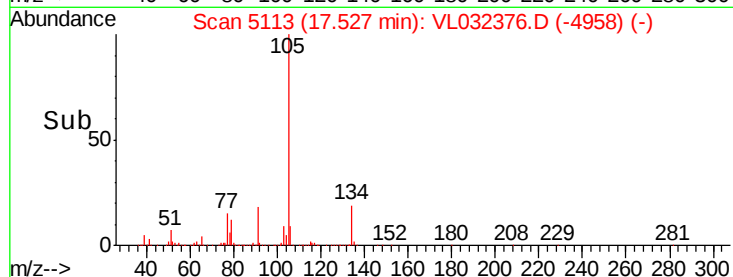
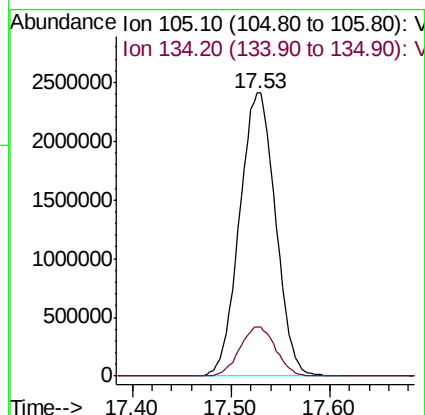
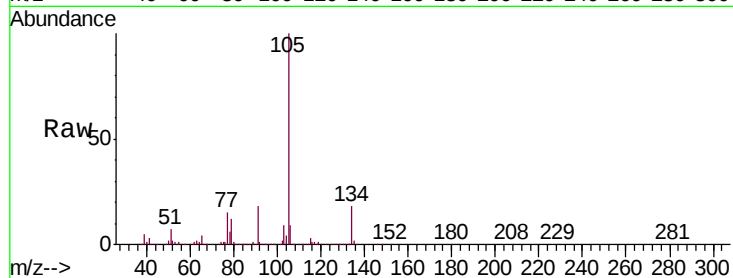




#67
 sec-Butylbenzene
 Concen: 8.443 ppbv
 RT: 17.53 min Scan# 5113
 Delta R.T. -0.00 min
 Lab File: VL032376.D
 Acq: 16 Aug 2018 7:58

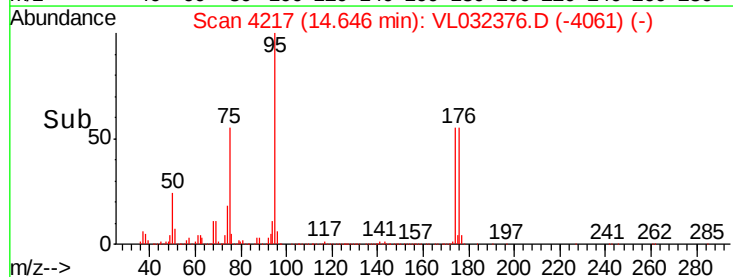
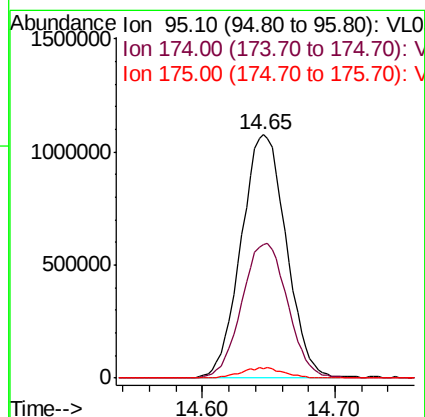
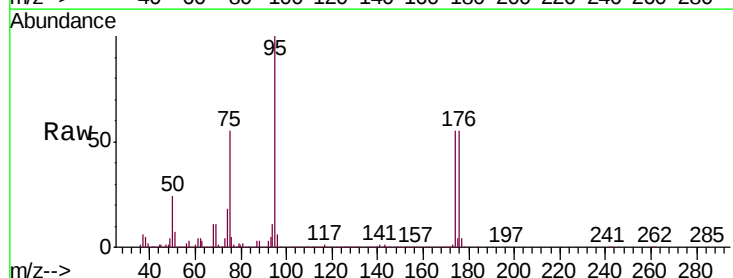
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

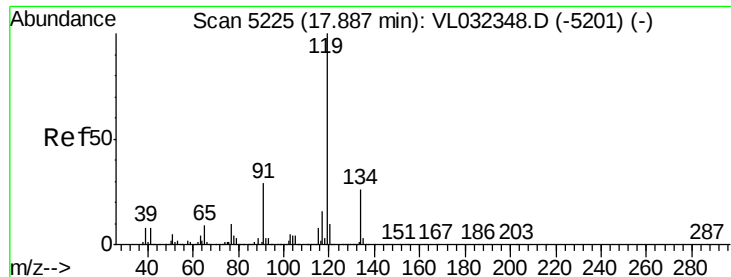
Tgt Ion: 105 Resp: 6076519
 Ion Ratio Lower Upper
 105 100
 134 17.5 14.4 21.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.402 ppbv
 RT: 14.65 min Scan# 4217
 Delta R.T. 0.00 min
 Lab File: VL032376.D
 Acq: 16 Aug 2018 7:58

Tgt Ion: 95 Resp: 2540226
 Ion Ratio Lower Upper
 95 100
 174 56.5 46.2 69.4
 175 4.2 3.4 5.0

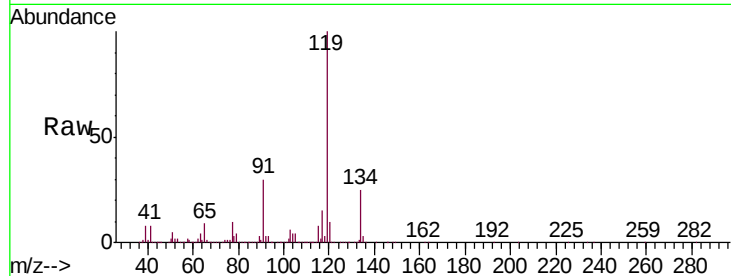




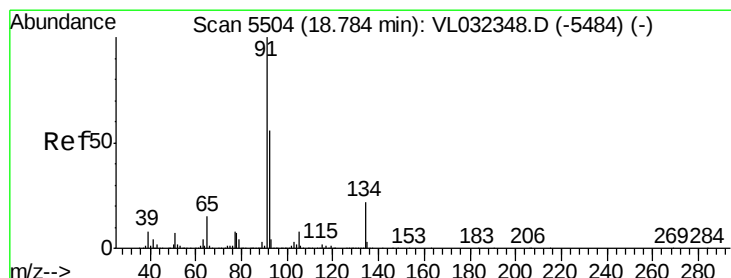
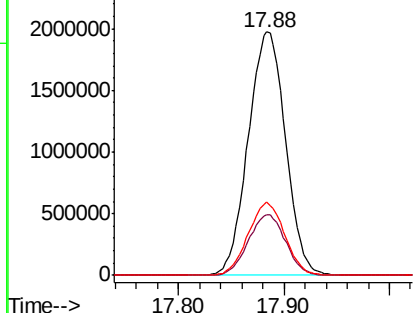
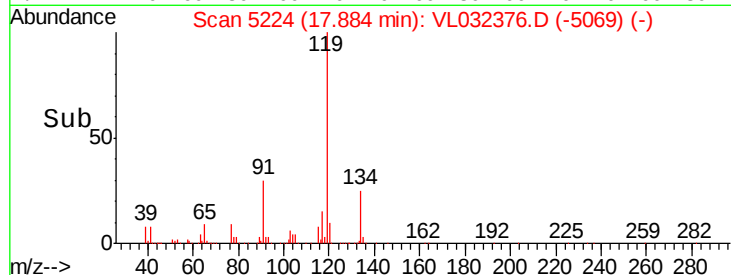
#69
 p-Isopropyltoluene
 Concen: 8.836 ppbv
 RT: 17.88 min Scan# 5224
 Delta R.T. -0.00 min
 Lab File: VL032376.D
 Acq: 16 Aug 2018 7:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 119 Resp: 4867748
 Ion Ratio Lower Upper
 119 100
 134 25.0 20.4 30.6
 91 29.3 23.6 35.4

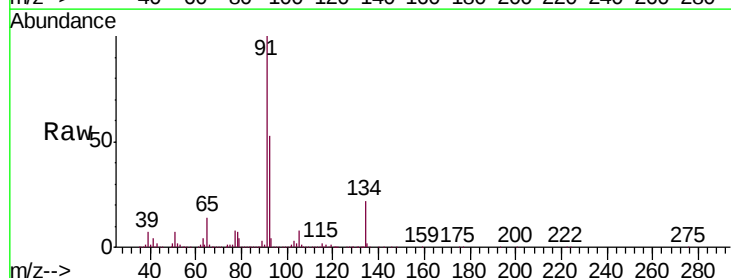


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

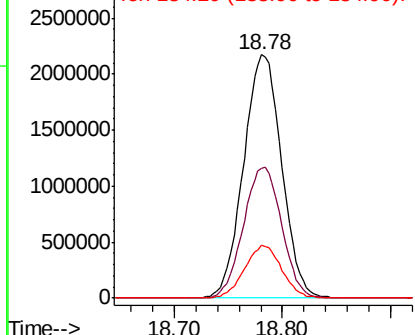
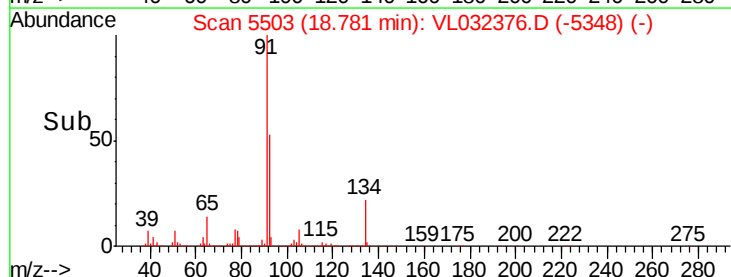


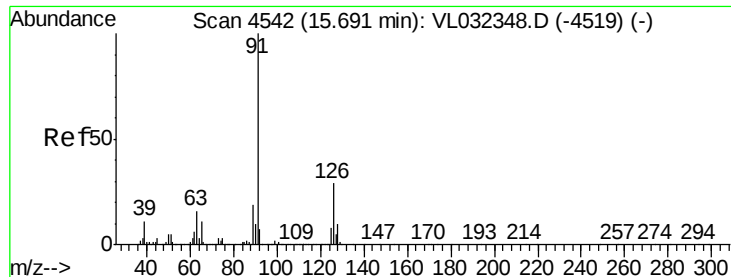
#70
 n-Butylbenzene
 Concen: 8.810 ppbv
 RT: 18.78 min Scan# 5503
 Delta R.T. -0.00 min
 Lab File: VL032376.D
 Acq: 16 Aug 2018 7:58

Tgt Ion: 91 Resp: 5320742
 Ion Ratio Lower Upper
 91 100
 92 54.2 43.9 65.9
 134 21.2 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: 8.848 ppbv

RT: 15.69 min Scan# 4541

Delta R.T. -0.00 min

Lab File: VL032376.D

Acq: 16 Aug 2018 7:58

Instrument :

MSVOA_L

ClientSampleId :

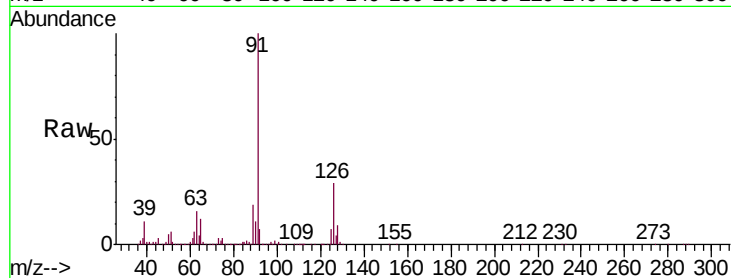
VSTDCCC010EC

Tgt Ion: 91 Resp: 3880381

Ion Ratio Lower Upper

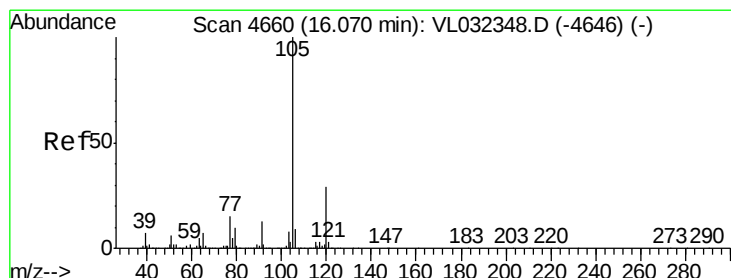
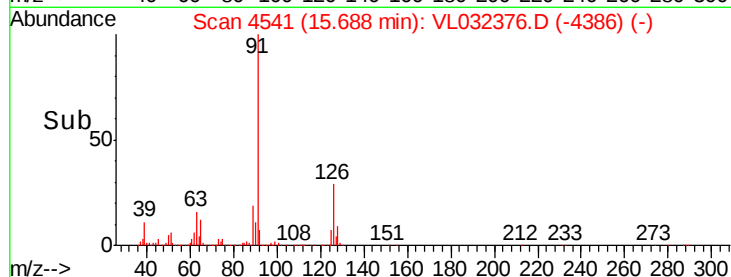
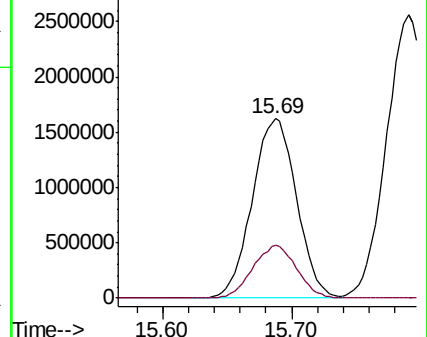
91 100

126 29.2 11.8 47.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 9.161 ppbv

RT: 16.07 min Scan# 4660

Delta R.T. 0.00 min

Lab File: VL032376.D

Acq: 16 Aug 2018 7:58

Tgt Ion: 105 Resp: 4067634

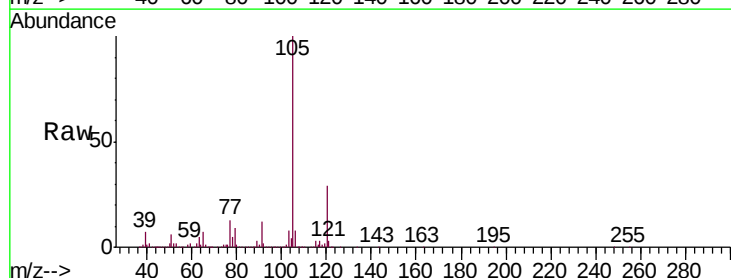
Ion Ratio Lower Upper

105 100

120 28.6 23.4 35.0

91 13.2 10.0 15.0

77 14.0 11.3 16.9

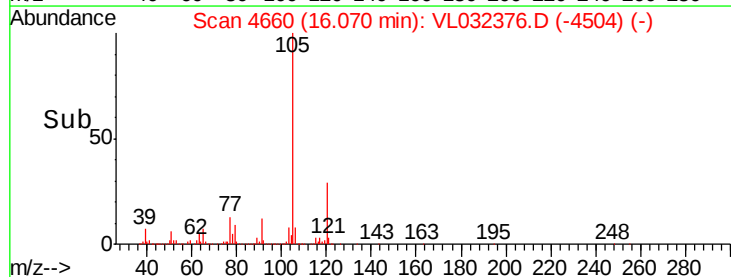
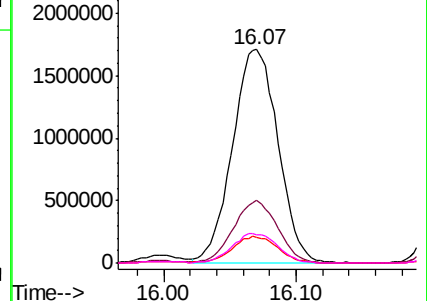


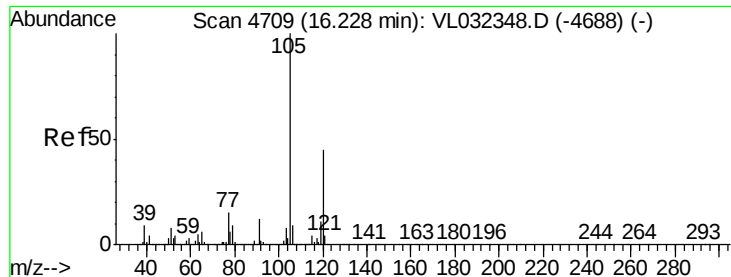
Abundance Ion 105.10 (104.80 to 105.80): V

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





#73

1,3,5-Trimethylbenzene

Concen: 8.989 ppbv

RT: 16.22 min Scan# 4708

Delta R.T. -0.00 min

Lab File: VL032376.D

Acq: 16 Aug 2018 7:58

Instrument :

MSVOA_L

ClientSampleId :

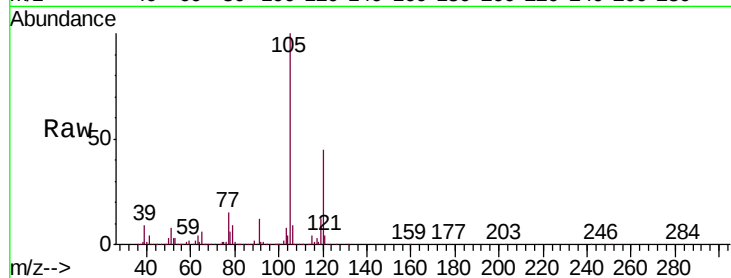
VSTDCCC010EC

Tgt Ion:105 Resp: 3838651

Ion Ratio Lower Upper

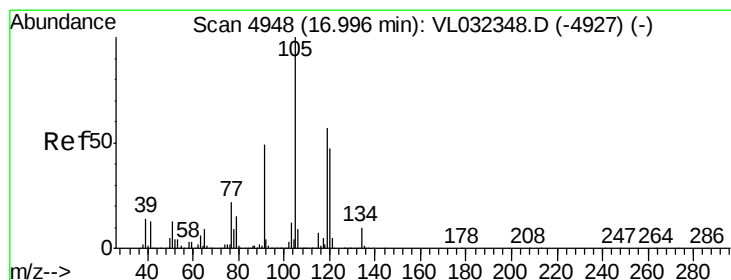
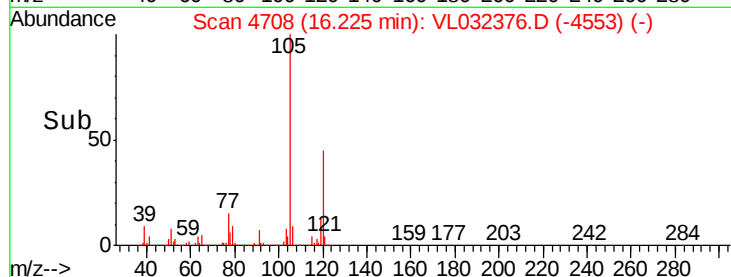
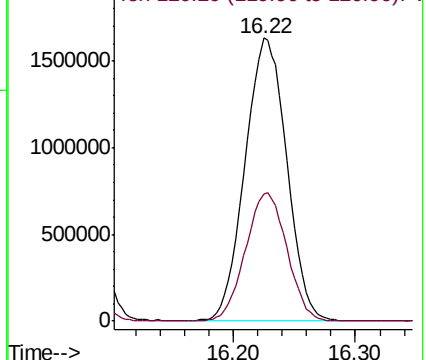
105 100

120 44.8 36.3 54.5



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: 8.336 ppbv

RT: 17.00 min Scan# 4948

Delta R.T. 0.00 min

Lab File: VL032376.D

Acq: 16 Aug 2018 7:58

Tgt Ion:105 Resp: 3787995

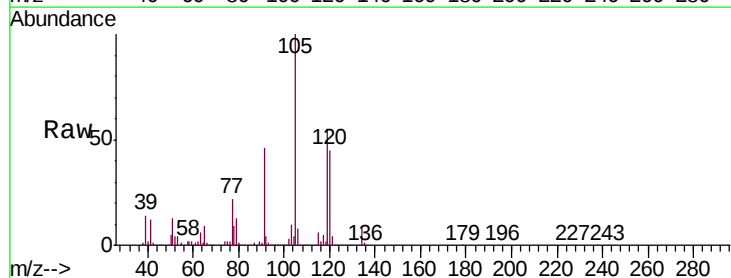
Ion Ratio Lower Upper

105 100

120 45.1 37.6 56.4

91 45.8 39.9 59.9

77 21.8 17.8 26.8

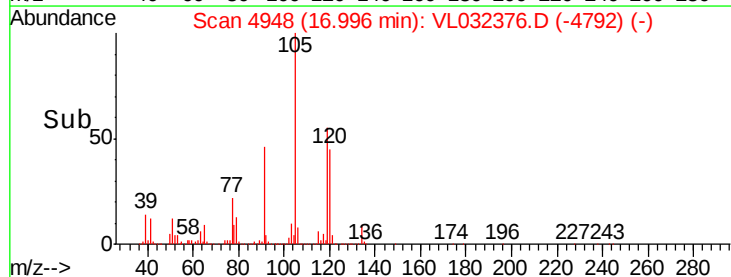
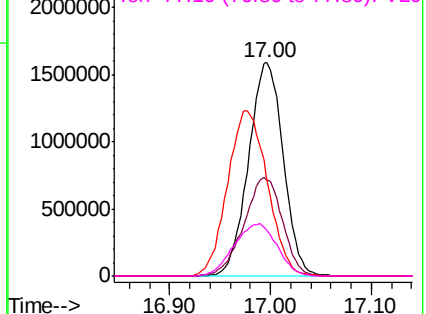


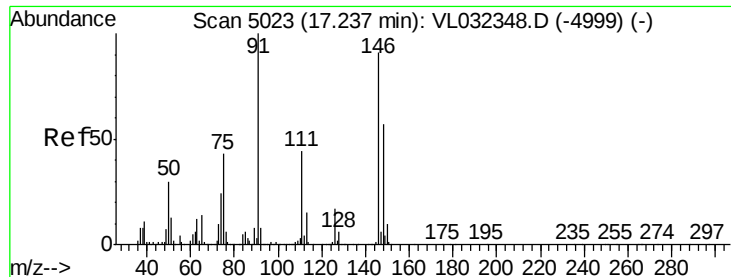
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 7.627 ppbv

RT: 17.23 min Scan# 5022

Delta R.T. -0.00 min

Lab File: VL032376.D

Acq: 16 Aug 2018 7:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

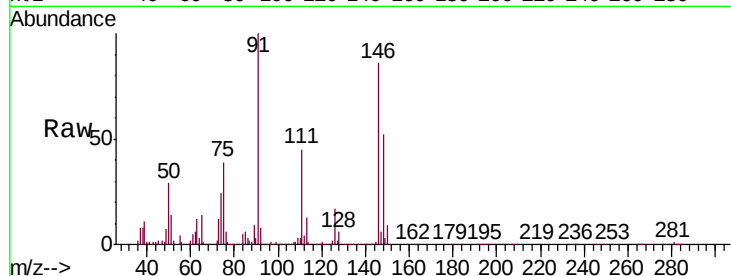
Tgt Ion:146 Resp: 2082646

Ion Ratio Lower Upper

146 100

111 49.9 24.6 73.8

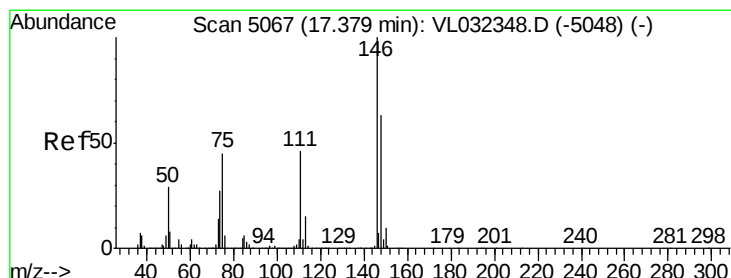
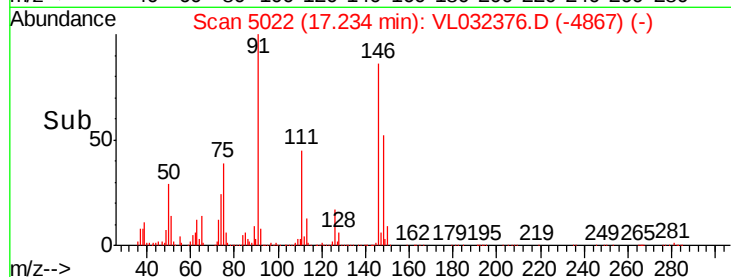
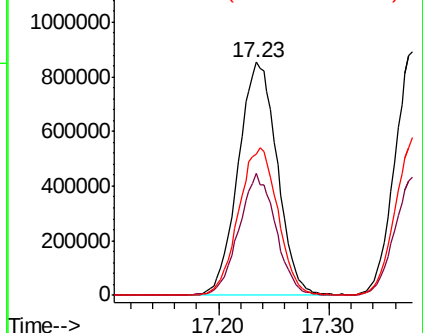
148 64.2 32.0 96.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 8.241 ppbv

RT: 17.38 min Scan# 5067

Delta R.T. 0.00 min

Lab File: VL032376.D

Acq: 16 Aug 2018 7:58

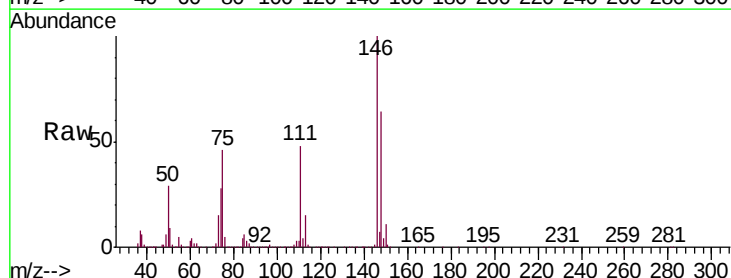
Tgt Ion:146 Resp: 2131620

Ion Ratio Lower Upper

146 100

111 48.2 23.8 71.4

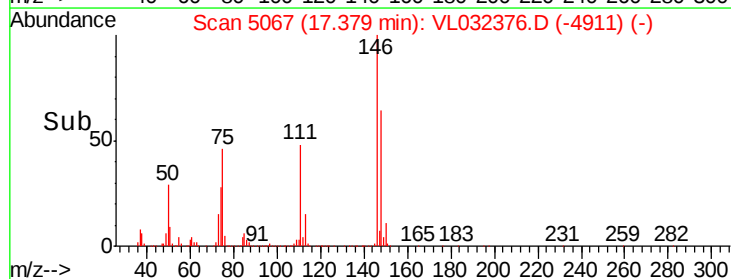
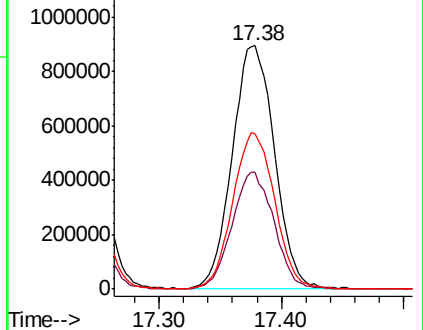
148 64.7 32.2 96.6

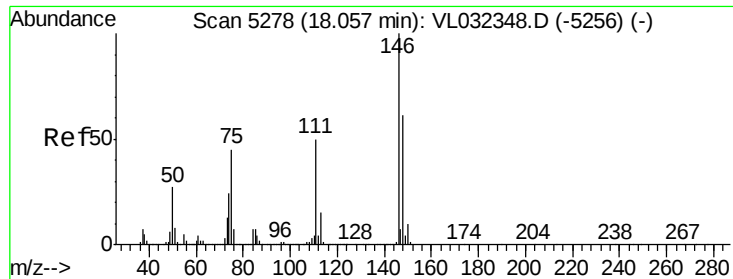


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

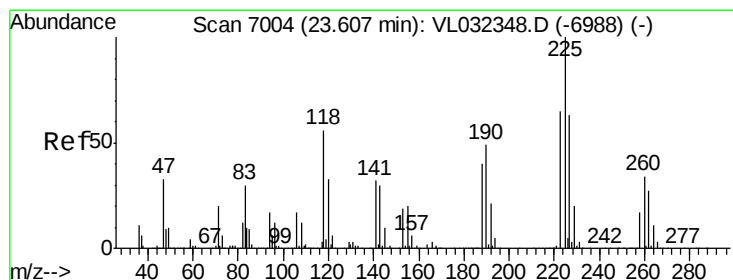
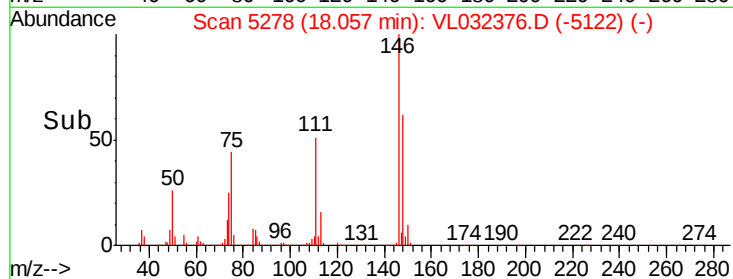
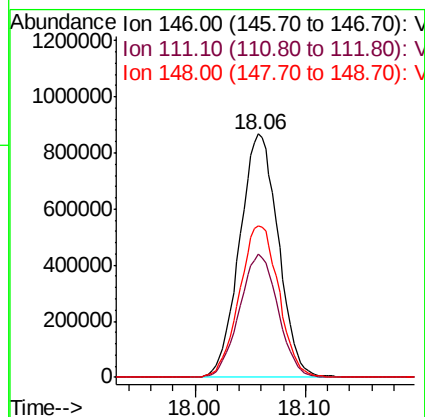
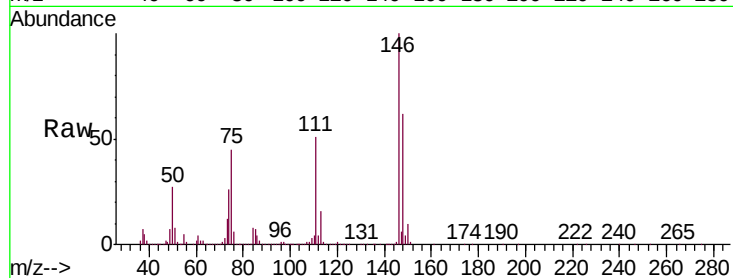




#77
 1,2-Dichlorobenzene
 Concen: 8.057 ppbv
 RT: 18.06 min Scan# 5278
 Delta R.T. 0.00 min
 Lab File: VL032376.D
 Acq: 16 Aug 2018 7:58

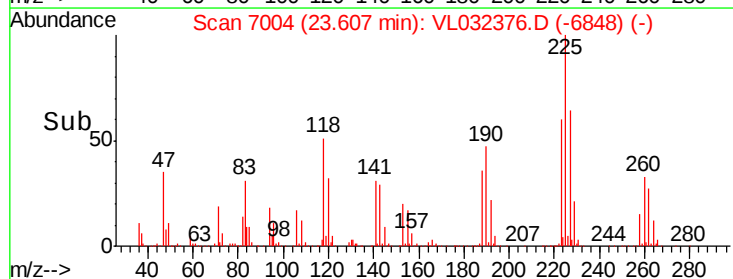
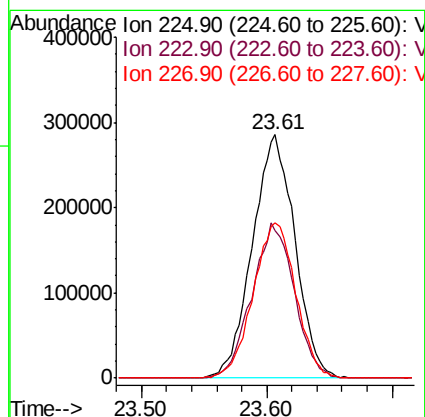
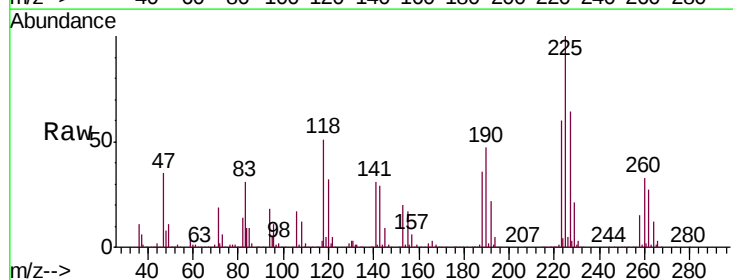
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

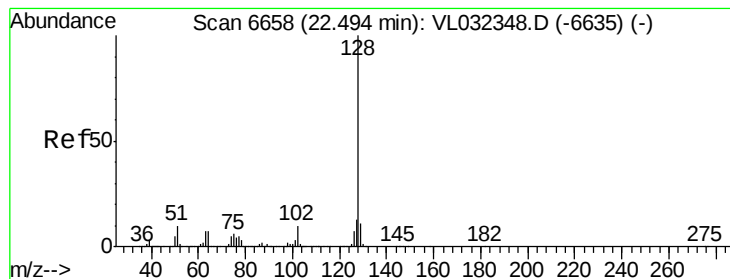
Tgt Ion:146 Resp: 2102298
 Ion Ratio Lower Upper
 146 100
 111 50.5 25.2 75.6
 148 63.7 31.8 95.4



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.678 ppbv
 RT: 23.61 min Scan# 7004
 Delta R.T. 0.00 min
 Lab File: VL032376.D
 Acq: 16 Aug 2018 7:58

Tgt Ion:225 Resp: 672426
 Ion Ratio Lower Upper
 225 100
 223 63.5 50.6 76.0
 227 64.1 51.0 76.6





#79

Naphthalene

Concen: 8.644 ppbv

RT: 22.49 min Scan# 6657

Delta R.T. -0.00 min

Lab File: VL032376.D

Acq: 16 Aug 2018 7:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

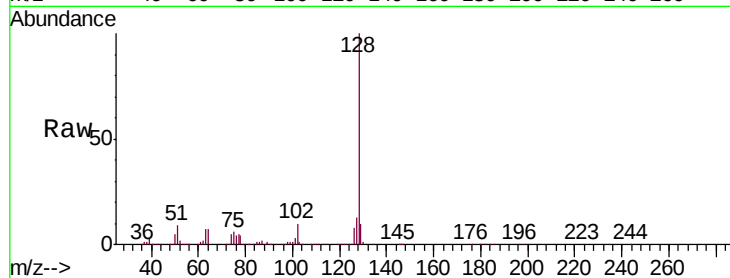
Tgt Ion:128 Resp: 3653996

Ion Ratio Lower Upper

128 100

127 13.2 10.3 15.5

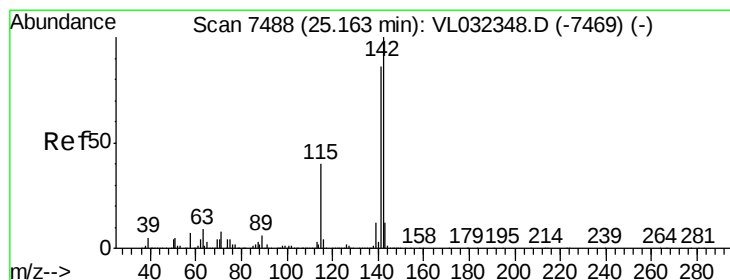
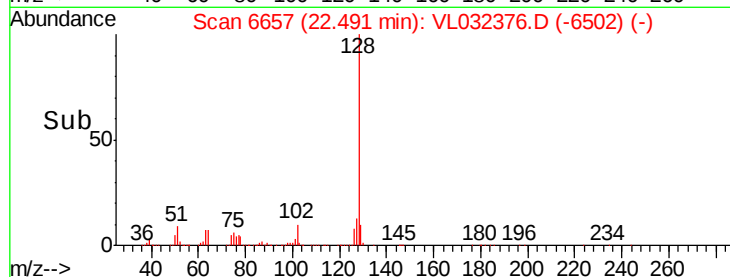
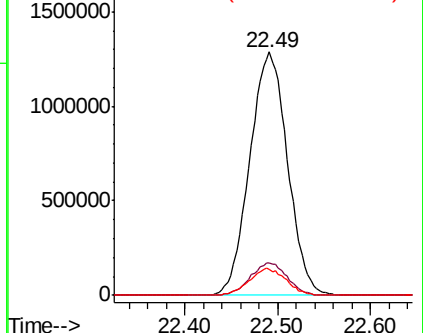
129 10.5 8.6 13.0



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: 17.440 ppbv

RT: 25.17 min Scan# 7489

Delta R.T. 0.00 min

Lab File: VL032376.D

Acq: 16 Aug 2018 7:58

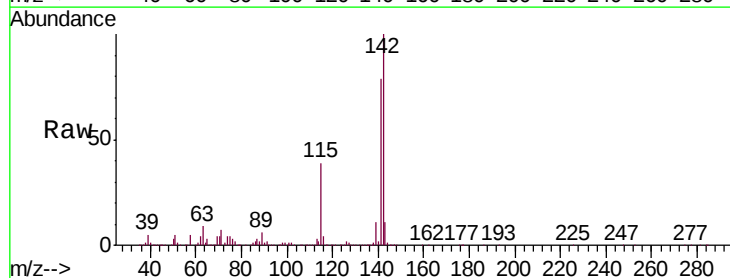
Tgt Ion:142 Resp: 1581114

Ion Ratio Lower Upper

142 100

141 83.1 66.7 100.1

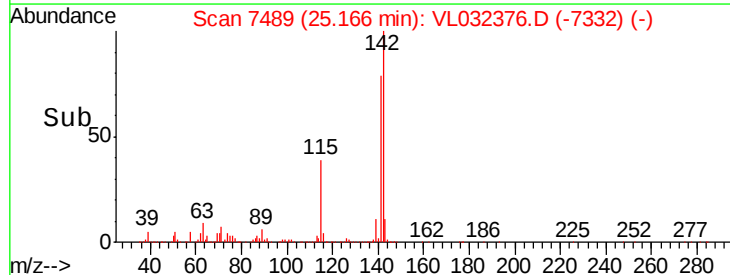
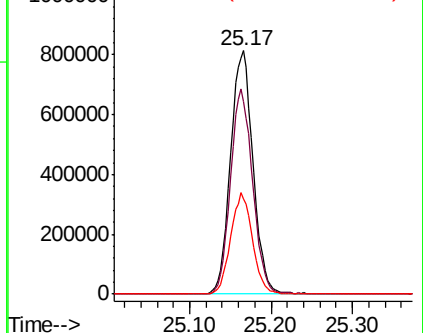
115 40.4 31.0 46.6

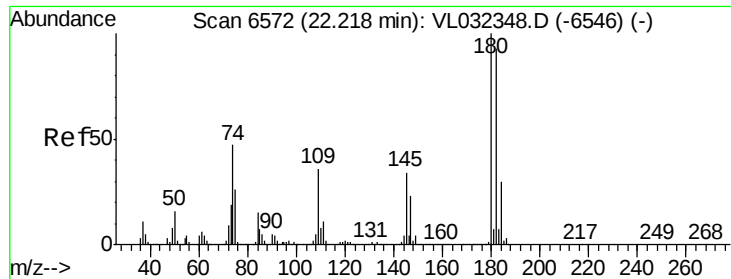


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

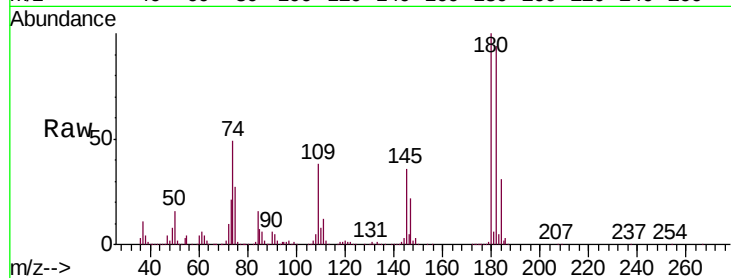




#81
 1,2,4-Trichlorobenzene
 Concen: 9.715 ppbv
 RT: 22.21 min Scan# 6571
 Delta R.T. -0.00 min
 Lab File: VL032376.D
 Acq: 16 Aug 2018 7:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:180 Resp: 1707154
 Ion Ratio Lower Upper
 180 100
 182 95.5 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

