

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031519\
 Data File : VL033335.D
 Acq On : 15 Mar 2019 17:41
 Operator : SY/AP
 Sample : VL0315ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 16 03:56:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL031519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 15 14:52:14 2019
 QLast Update : Fri Mar 15 14:52:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	807082	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	1834021	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	2306157	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	1604565	9.39	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.90%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.08	85	1043237	7.350	ppbv 100
3) Chlorodifluoromethane	3.01	51	894851	9.660	ppbv 98
4) Chloromethane	3.17	50	464042	9.251	ppbv 96
5) Vinyl Chloride	3.29	62	471760	9.117	ppbv 96
6) Bromomethane	3.52	94	307558	9.999	ppbv 95
7) Chloroethane	3.60	64	182219	10.077	ppbv 99
8) Dichlorotetrafluoroethane	3.22	85	1161326	9.611	ppbv 98
9) Propene	3.04	41	388956	9.406	ppbv 100
10) Heptane	8.25	43	1028212	10.025	ppbv 100
11) Trichlorofluoromethane	4.01	101	1362065	9.638	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.56	101	870983	9.289	ppbv 98
13) Ethanol	3.65	45	89786	4.554	ppbv 97
14) Bromoethene	3.79	108	383499	9.812	ppbv 100
15) Acetone	3.90	43	881445	7.026	ppbv 100
16) 1,3-Butadiene	3.36	39	378055	9.278	ppbv 96
17) tert-Butyl alcohol	4.36	59	166210	9.414	ppbv 100
18) 1,1-Dichloroethene	4.35	96	399517	9.318	ppbv 99
19) Isopropyl Alcohol	4.03	45	561446	9.408	ppbv 100
20) Methylene Chloride	4.41	84	332386	8.123	ppbv 99
21) Allyl Chloride	4.48	41	608100	9.992	ppbv 100
22) trans-1,2-Dichloroethene	4.97	96	416173	10.016	ppbv 97
23) Vinyl Acetate	5.16	43	1440076	9.920	ppbv 100
24) 1,1-Dichloroethane	5.10	63	1008218	9.617	ppbv 99
25) Ethyl Acetate	5.77	43	1727833	9.474	ppbv 100
26) Hexane	5.79	57	772780	9.478	ppbv 99
27) Carbon Disulfide	4.62	76	995248	10.603	ppbv 100
28) Methyl tert-Butyl Ether	5.12	73	1180560	9.749	ppbv 98
29) Chloroform	5.85	83	1293740	9.691	ppbv 100
30) Cyclohexane	7.25	84	635757	9.726	ppbv 99
31) cis-1,2-Dichloroethene	5.65	61	807948	9.911	ppbv 99
32) 1,1,1-Trichloroethane	6.62	97	1279660	9.763	ppbv 100
34) 2-Butanone	5.33	43	1130111	9.383	ppbv 98
35) Carbon Tetrachloride	7.14	117	1354523	10.476	ppbv 98
36) Benzene	7.01	78	1606728	9.789	ppbv 99
37) 1,2-Dichloroethane	6.42	62	1015426	9.784	ppbv 99
38) Trichloroethene	7.97	130	613200	9.873	ppbv 99
39) 1,2-Dichloropropane	7.74	63	612547	9.965	ppbv 100
40) 1,4-Dioxane	7.96	88	207950	9.607	ppbv 97
41) Tetrahydrofuran	6.15	42	656811	10.219	ppbv 100
42) Bromodichloromethane	7.92	83	1437520	10.331	ppbv 97
43) Methyl Methacrylate	8.14	69	662714	10.370	ppbv 99

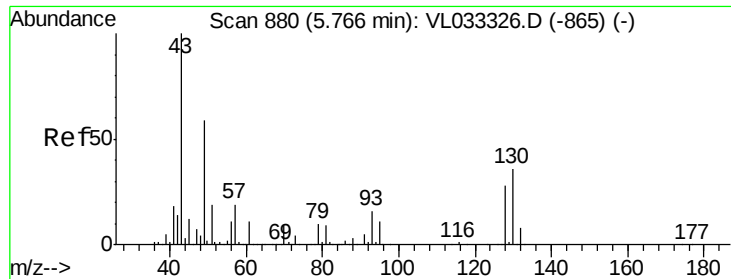
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031519\
 Data File : VL033335.D
 Acq On : 15 Mar 2019 17:41
 Operator : SY/AP
 Sample : VL0315ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 16 03:56:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL031519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 15 14:52:14 2019
 QLast Update : Fri Mar 15 14:52:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	2712960	9.979	ppbv	100
45) t-1,3-Dichloropropene	9.43	75	911579	11.553	ppbv	99
46) cis-1,3-Dichloropropene	8.85	75	1025280	11.035	ppbv	96
47) 1,1,2-Trichloroethane	9.62	97	670956	9.880	ppbv	95
48) Dibromochloromethane	10.46	129	1226355	10.767	ppbv	99
49) Bromoform	13.21	173	1239338	11.471	ppbv	100
50) 4-Methyl-2-Pentanone	8.88	43	1691016	9.939	ppbv	100
51) 2-Hexanone	10.28	43	1338106	10.195	ppbv #	100
52) Tetrachloroethene	11.38	164	689799	10.088	ppbv	97
53) Toluene	9.96	91	1927058	10.333	ppbv	99
54) 1,2-Dibromoethane	10.77	107	1218062	10.610	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.29	131	976073	9.461	ppbv #	93
57) Chlorobenzene	12.31	112	1625056	8.897	ppbv	99
58) Ethyl Benzene	12.87	91	3076527	9.430	ppbv	99
59) m/p-Xylene	13.14	91	2596496	9.261	ppbv #	100
60) o-Xylene	13.86	91	2557654	9.351	ppbv	100
61) Styrene	13.70	104	1895460	9.898	ppbv	99
62) Isopropylbenzene	14.84	105	3545642	9.324	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.85	83	1756813	8.885	ppbv	100
64) n-propylbenzene	15.73	120	899895	9.352	ppbv	98
65) tert-Butylbenzene	16.92	119	3208056	9.371	ppbv	99
66) Benzyl Chloride	17.17	91	1739134	12.293	ppbv	100
67) sec-Butylbenzene	17.47	105	4555104	9.390	ppbv	100
69) p-Isopropyltoluene	17.83	119	3764391	9.498	ppbv	99
70) n-Butylbenzene	18.73	91	3994831	9.453	ppbv	100
71) 2-Chlorotoluene	15.63	91	2762976	9.334	ppbv	100
72) 4-Ethyltoluene	16.01	105	2961476	9.534	ppbv	100
73) 1,3,5-Trimethylbenzene	16.17	105	2827926	9.346	ppbv	97
74) 1,2,4-Trimethylbenzene	16.94	105	2944466	9.188	ppbv	98
75) 1,3-Dichlorobenzene	17.17	146	1693275	8.965	ppbv	99
76) 1,4-Dichlorobenzene	17.32	146	1689388	9.238	ppbv	99
77) 1,2-Dichlorobenzene	18.00	146	1652671	9.239	ppbv	100
78) Hexachloro-1,3-Butadiene	23.55	225	864721	8.062	ppbv	99
79) Naphthalene	22.42	128	2895654	9.376	ppbv	99
80) Naphthalene, 2-methyl-	25.12	142	1487051	10.155	ppbv	99
81) 1,2,4-Trichlorobenzene	22.15	180	1447387	9.191	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 880

Delta R.T. -0.00 min

Lab File: VL033335.D

Acq: 15 Mar 2019 17:41

Instrument :

MSVOA_L

ClientSampleId :

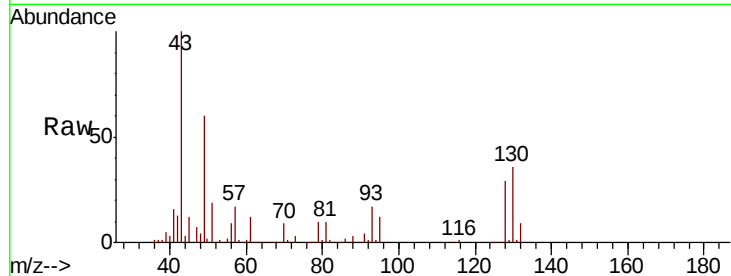
Tot Ion: 49 Resp: 807082

Ion Ratio Lower Upper

49 100

128 46.7 23.5 70.6

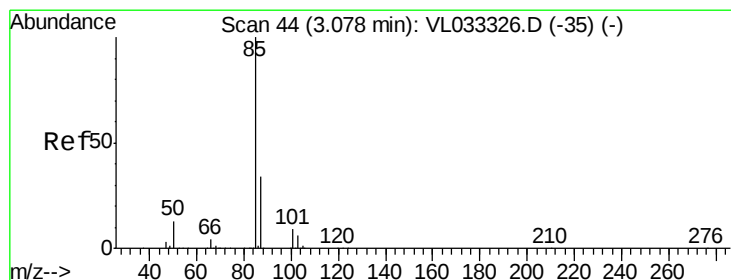
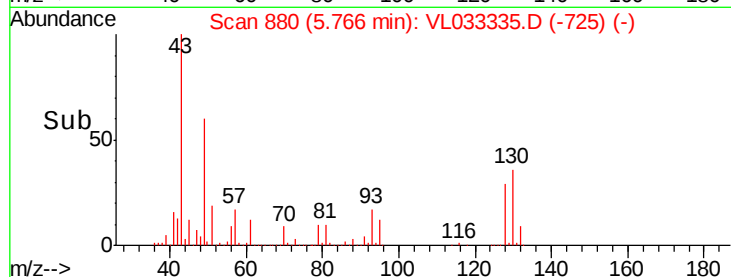
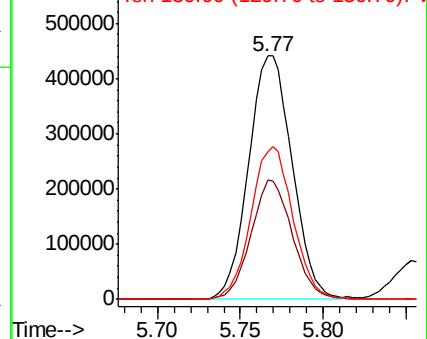
130 60.8 30.1 90.3



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



#2

Dichlorodifluoromethane

Concen: 7.350 ppbv

RT: 3.08 min Scan# 44

Delta R.T. -0.00 min

Lab File: VL033335.D

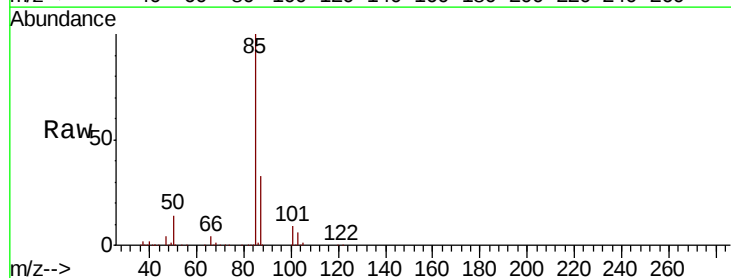
Acq: 15 Mar 2019 17:41

Tgt Ion: 85 Resp: 1043237

Ion Ratio Lower Upper

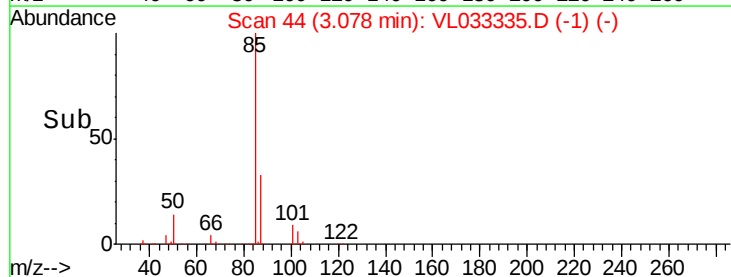
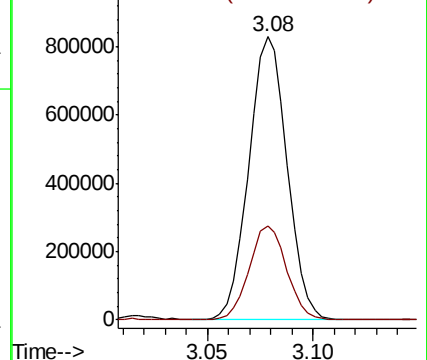
85 100

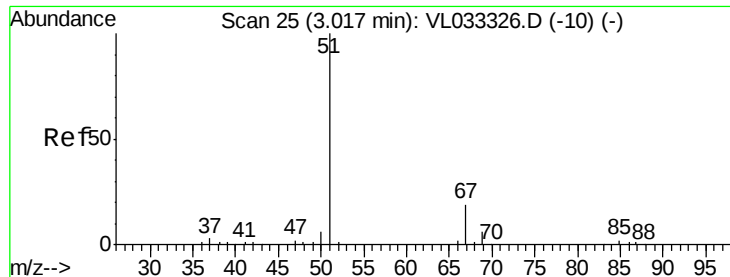
87 33.5 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.660 ppbv

RT: 3.01 min Scan# 24

Delta R.T. -0.00 min

Lab File: VL033335.D

Acq: 15 Mar 2019 17:41

Instrument :

MSVOA_L

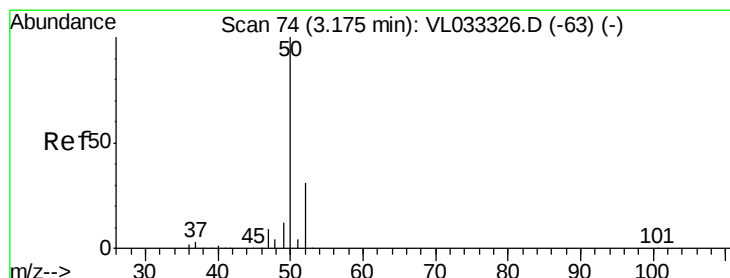
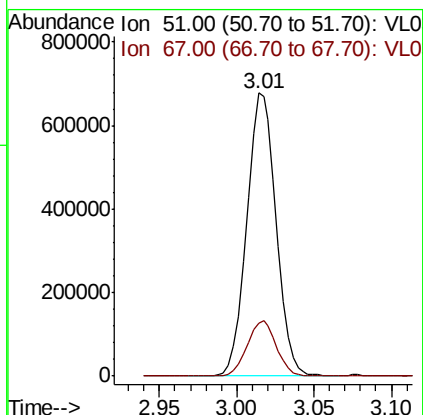
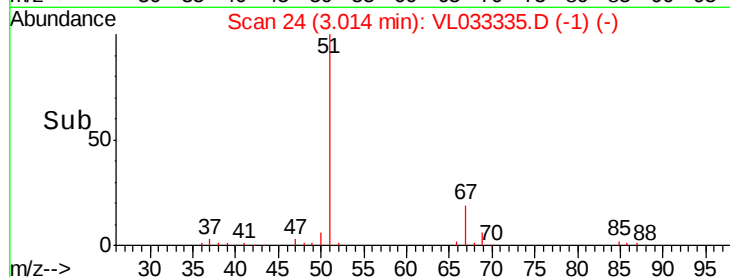
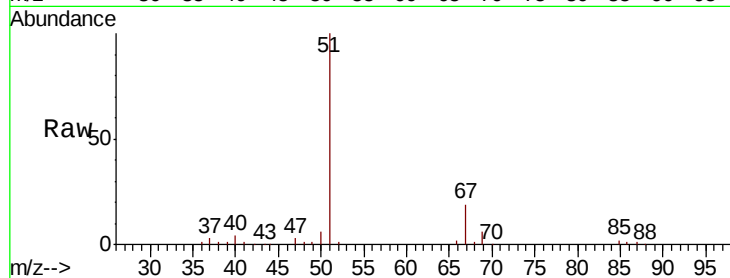
ClientSampleId :

Tot Ion: 51 Resp: 894851

Ion Ratio Lower Upper

51 100

67 19.4 14.9 22.3



#4

Chloromethane

Concen: 9.251 ppbv

RT: 3.17 min Scan# 73

Delta R.T. -0.00 min

Lab File: VL033335.D

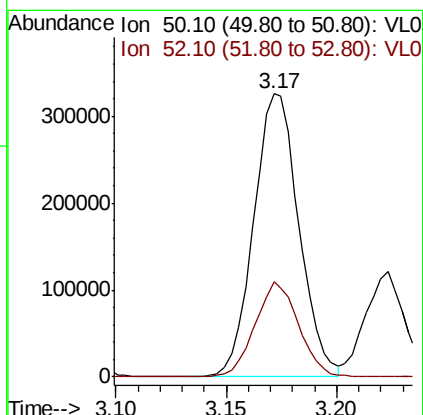
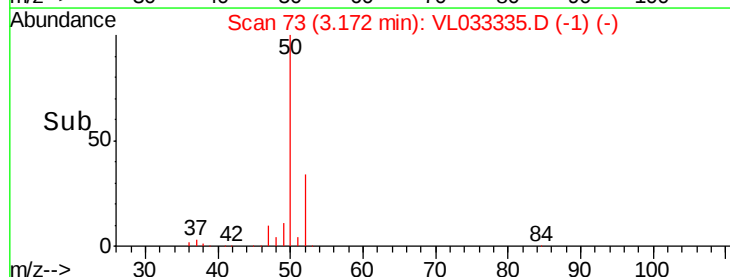
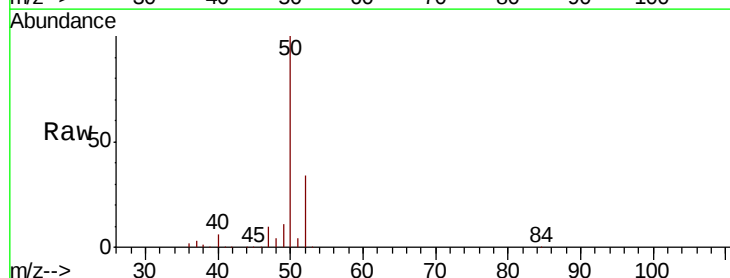
Acq: 15 Mar 2019 17:41

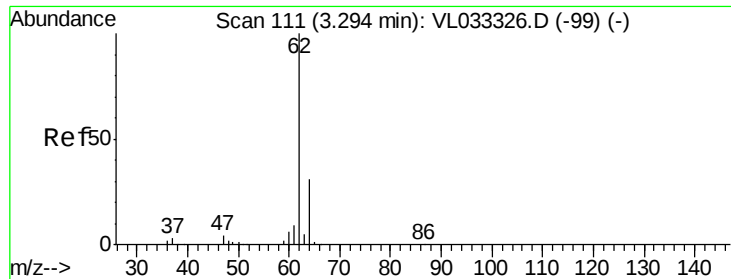
Tgt Ion: 50 Resp: 464042

Ion Ratio Lower Upper

50 100

52 33.8 25.0 37.6





#5

Vinyl Chloride

Concen: 9.117 ppbv

RT: 3.29 min Scan# 111

Delta R.T. -0.00 min

Lab File: VL033335.D

Acq: 15 Mar 2019 17:41

Instrument :

MSVOA_L

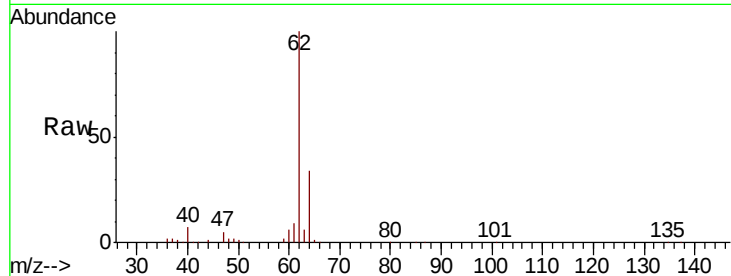
ClientSampleId :

Tot Ion: 62 Resp: 471760

Ion Ratio Lower Upper

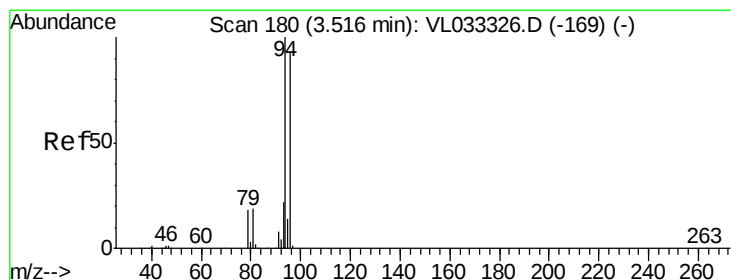
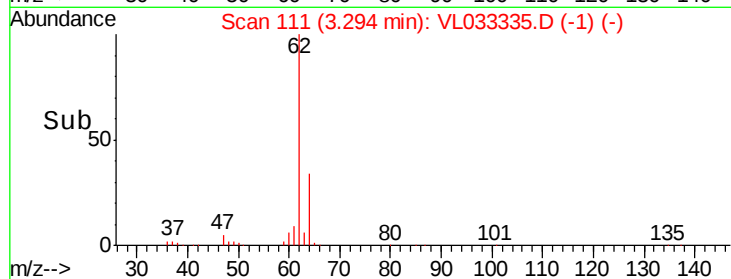
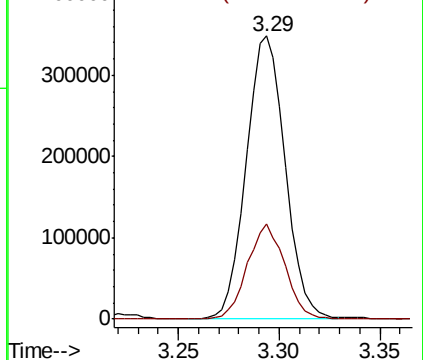
62 100

64 33.5 25.0 37.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.999 ppbv

RT: 3.52 min Scan# 181

Delta R.T. 0.00 min

Lab File: VL033335.D

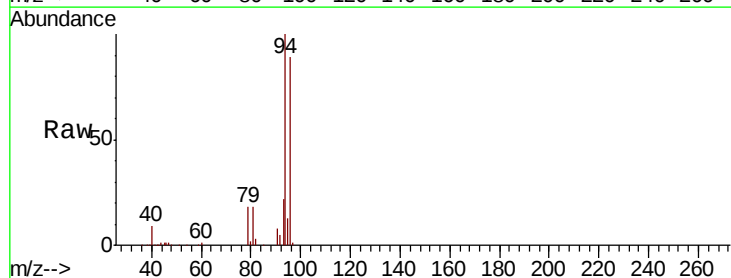
Acq: 15 Mar 2019 17:41

Tgt Ion: 94 Resp: 307558

Ion Ratio Lower Upper

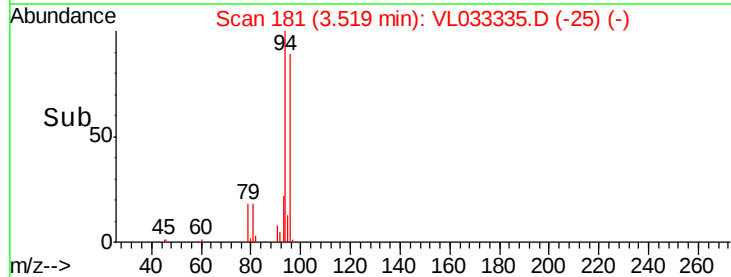
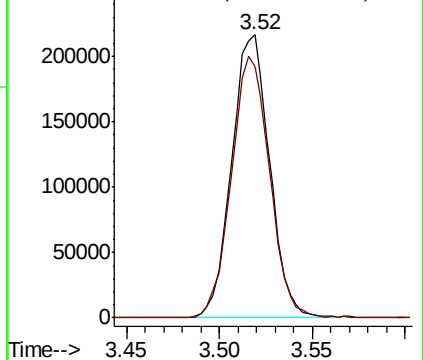
94 100

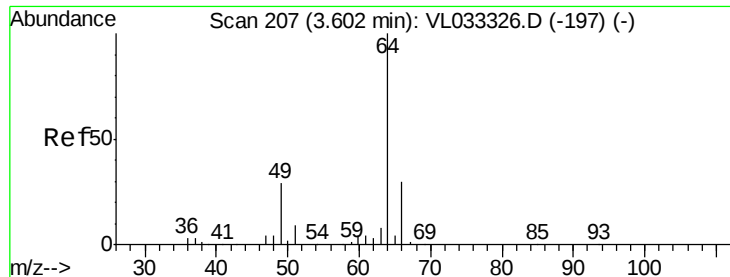
96 88.4 74.6 111.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.077 ppbv

RT: 3.60 min Scan# 207

Delta R.T. -0.00 min

Lab File: VL033335.D

Acq: 15 Mar 2019 17:41

Instrument :

MSVOA_L

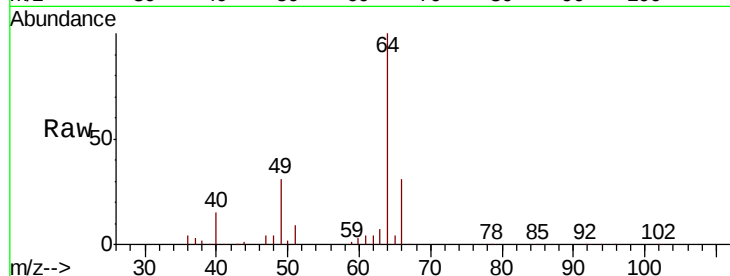
ClientSampleId :

Tot Ion: 64 Resp: 182219

Ion Ratio Lower Upper

64 100

66 30.5 24.0 36.0



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.60

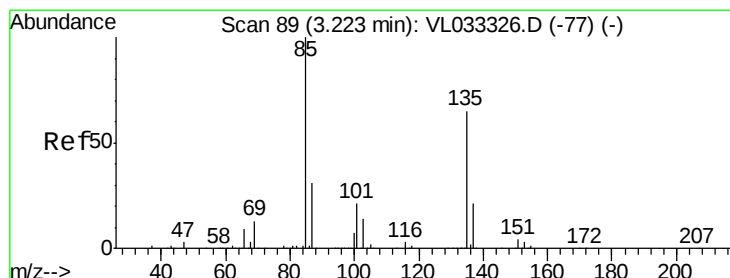
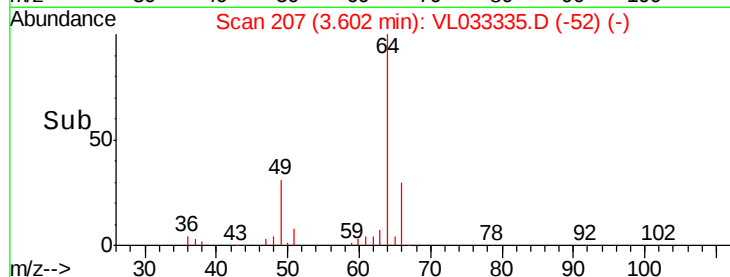
150000

100000

50000

0

Time--> 3.55 3.60 3.65



#8

Dichlorotetrafluoroethane

Concen: 9.611 ppbv

RT: 3.22 min Scan# 89

Delta R.T. -0.00 min

Lab File: VL033335.D

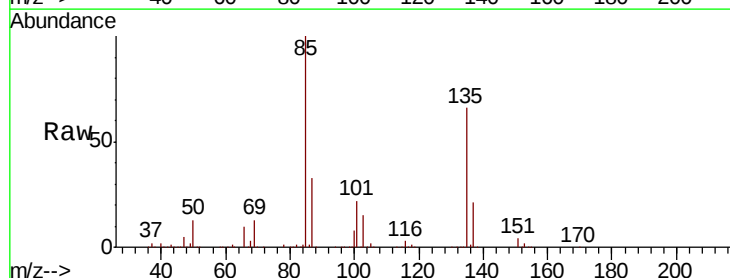
Acq: 15 Mar 2019 17:41

Tgt Ion: 85 Resp: 1161326

Ion Ratio Lower Upper

85 100

135 65.5 53.4 80.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.22

1000000

800000

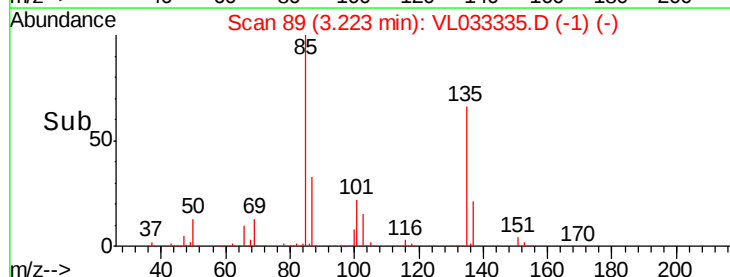
600000

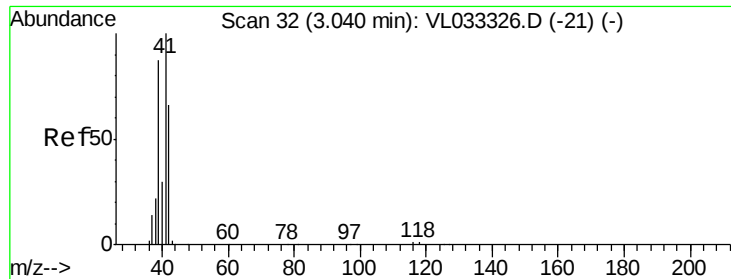
400000

200000

0

Time--> 3.15 3.20 3.25





#9

Propene

Concen: 9.406 ppbv

RT: 3.04 min Scan# 31

Delta R.T. -0.00 min

Lab File: VL033335.D

Acq: 15 Mar 2019 17:41

Instrument :

MSVOA_L

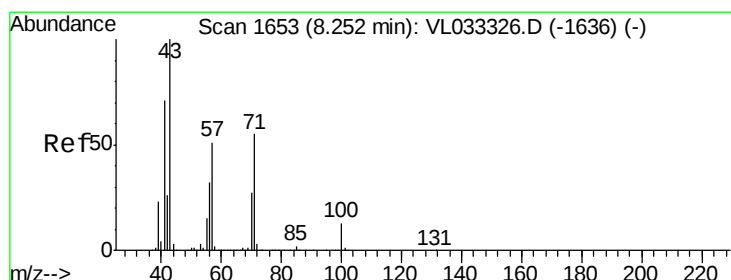
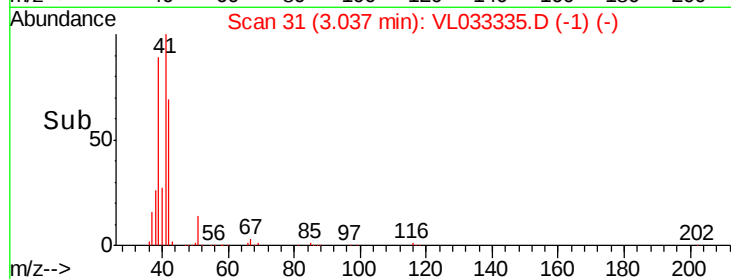
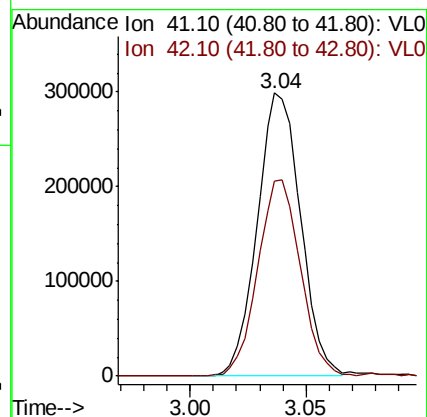
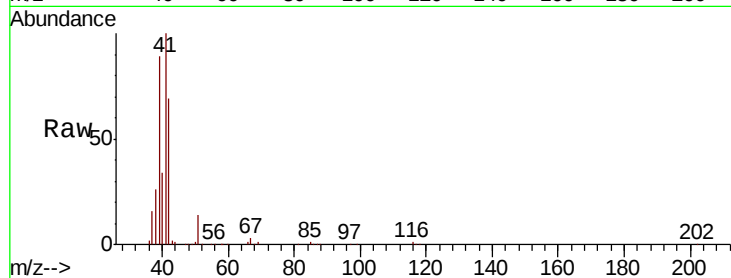
ClientSampleId :

Tot Ion: 41 Resp: 388956

Ion Ratio Lower Upper

41 100

42 69.2 55.2 82.8



#10

Heptane

Concen: 10.025 ppbv

RT: 8.25 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VL033335.D

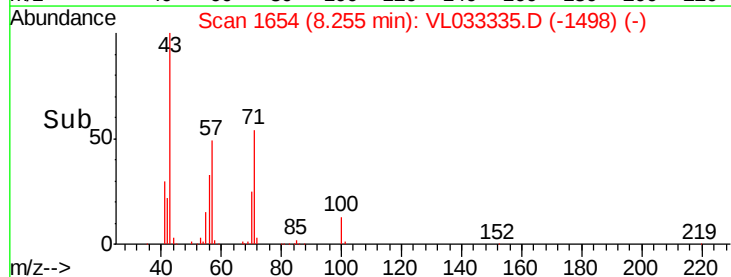
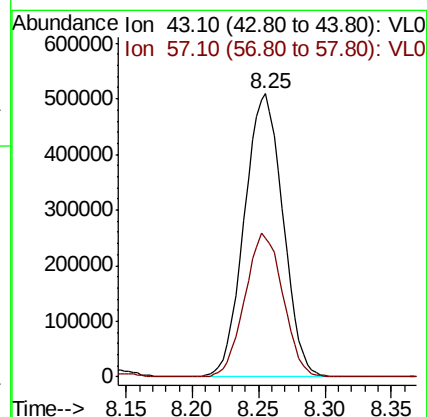
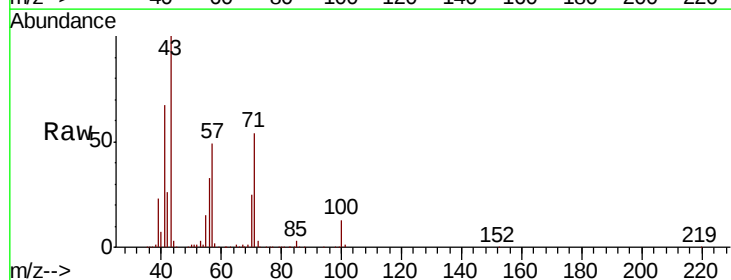
Acq: 15 Mar 2019 17:41

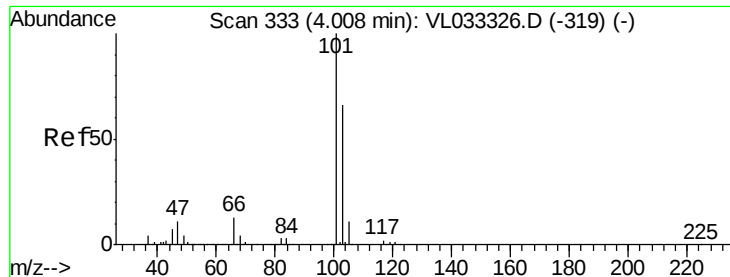
Tgt Ion: 43 Resp: 1028212

Ion Ratio Lower Upper

43 100

57 50.2 40.4 60.6

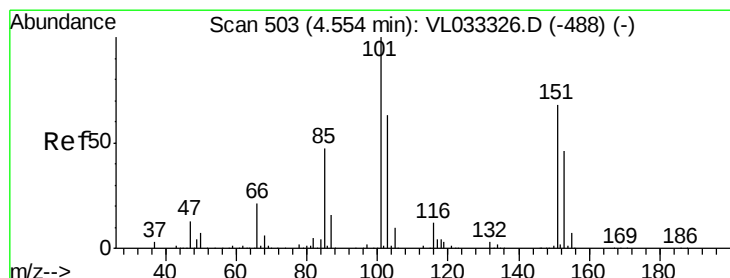
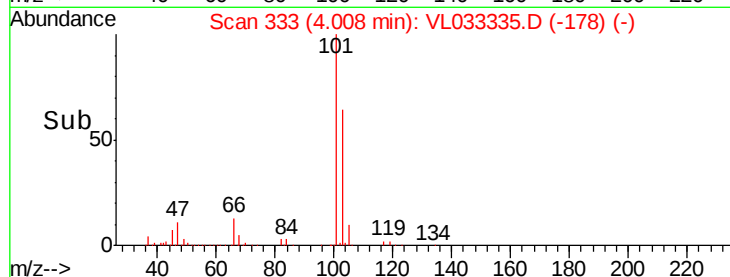
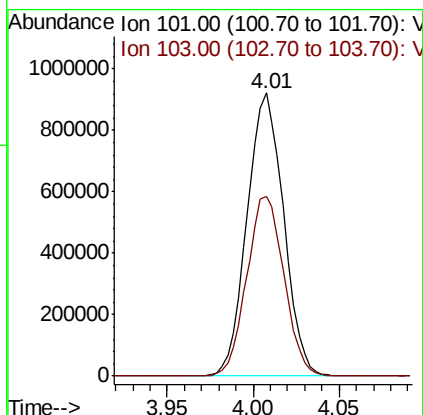
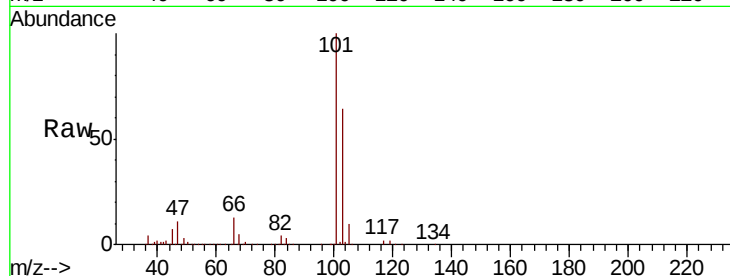




#11
 Trichlorofluoromethane
 Concen: 9.638 ppbv
 RT: 4.01 min Scan# 333
 Delta R.T. -0.00 min
 Lab File: VL033335.D
 Acq: 15 Mar 2019 17:41

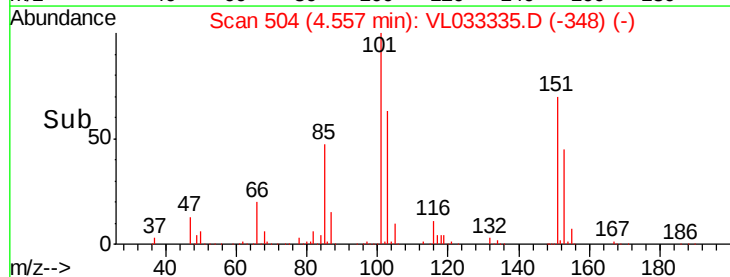
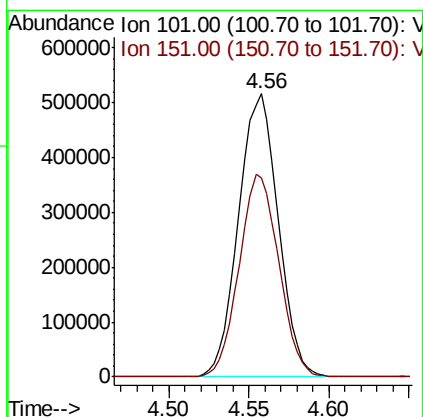
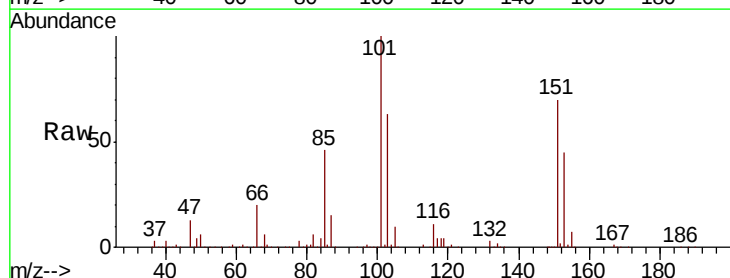
Instrument :
 MSVOA_L
 ClientSampleId :

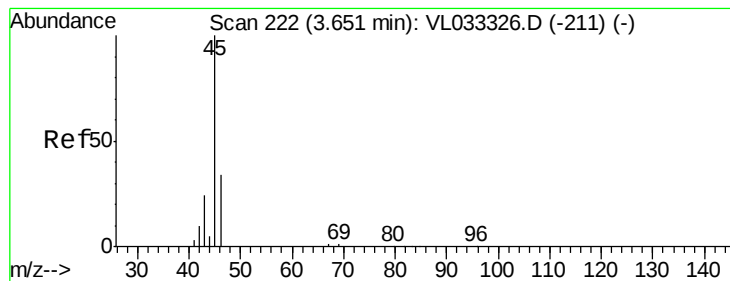
Tot Ion:101 Resp: 1362065
 Ion Ratio Lower Upper
 101 100
 103 63.6 52.9 79.3



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.289 ppbv
 RT: 4.56 min Scan# 504
 Delta R.T. 0.00 min
 Lab File: VL033335.D
 Acq: 15 Mar 2019 17:41

Tgt Ion:101 Resp: 870983
 Ion Ratio Lower Upper
 101 100
 151 71.9 56.3 84.5





#13

Ethanol

Concen: 4.554 ppbv

RT: 3.65 min Scan# 222

Delta R.T. -0.00 min

Lab File: VL033335.D

Acq: 15 Mar 2019 17:41

Instrument :

MSVOA_L

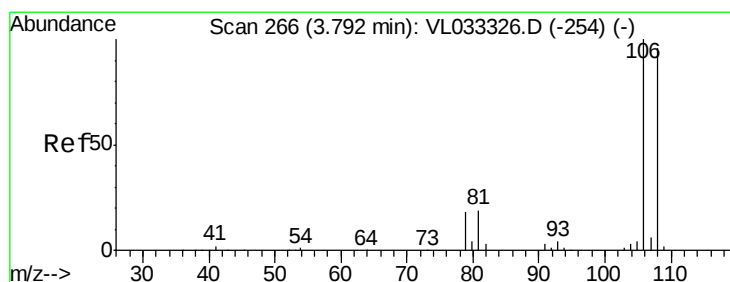
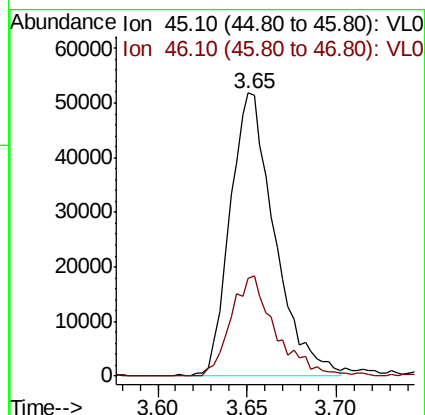
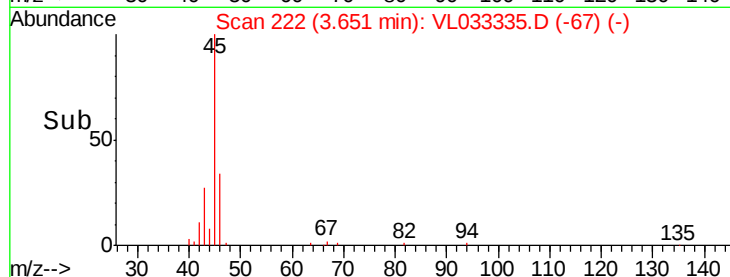
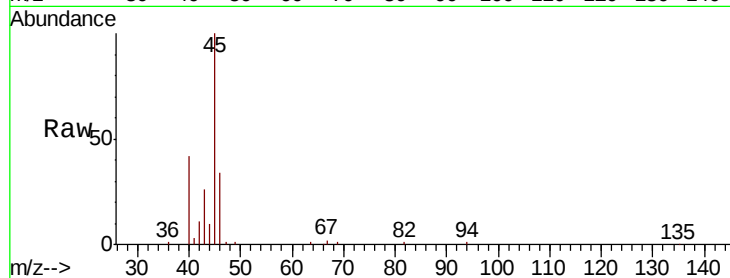
ClientSampled :

Tot Ion: 45 Resp: 89786

Ion Ratio Lower Upper

45 100

46 35.7 14.9 59.7



#14

Bromoethene

Concen: 9.812 ppbv

RT: 3.79 min Scan# 265

Delta R.T. -0.00 min

Lab File: VL033335.D

Acq: 15 Mar 2019 17:41

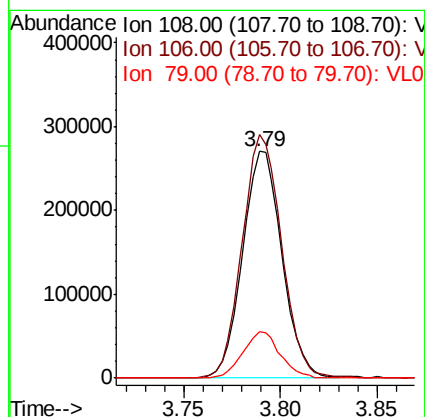
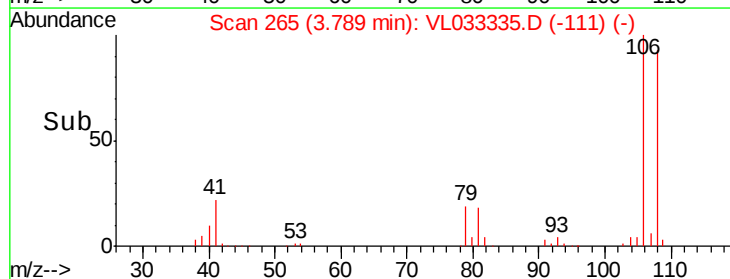
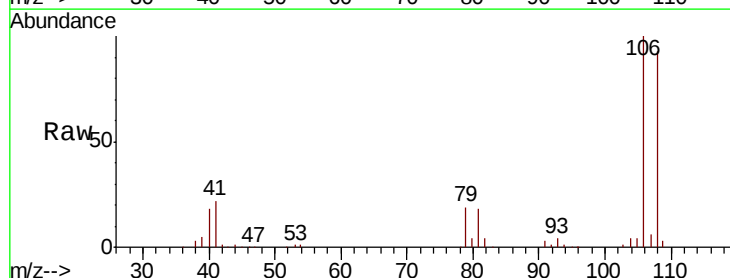
Tgt Ion: 108 Resp: 383499

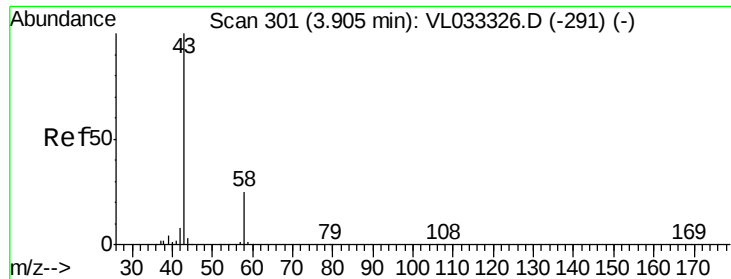
Ion Ratio Lower Upper

108 100

106 107.9 86.2 129.2

79 19.7 15.4 23.2





#15

Acetone

Concen: 7.026 ppbv

RT: 3.90 min Scan# 301

Delta R.T. -0.00 min

Lab File: VL033335.D

Acq: 15 Mar 2019 17:41

Instrument :

MSVOA_L

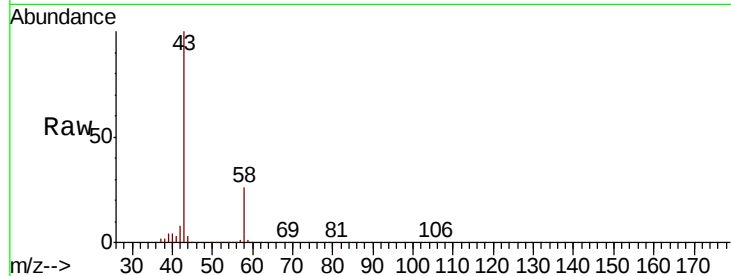
ClientSampleId :

Tot Ion: 43 Resp: 881445

Ion Ratio Lower Upper

43 100

58 25.7 20.4 30.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.90

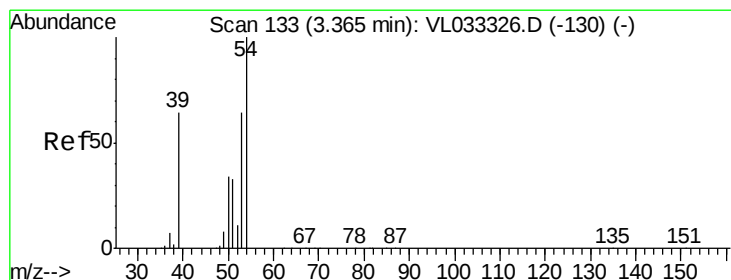
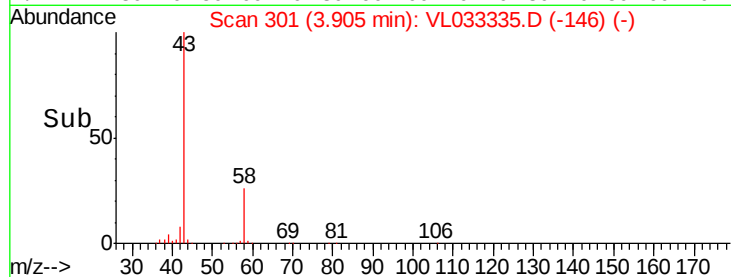
600000

400000

200000

0

Time-->



#16

1,3-Butadiene

Concen: 9.278 ppbv

RT: 3.36 min Scan# 133

Delta R.T. -0.00 min

Lab File: VL033335.D

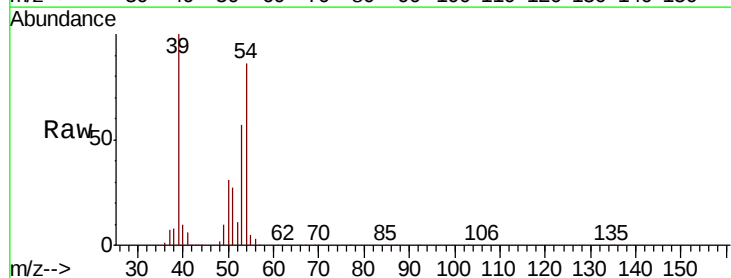
Acq: 15 Mar 2019 17:41

Tgt Ion: 39 Resp: 378055

Ion Ratio Lower Upper

39 100

54 100.4 76.8 115.2



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.36

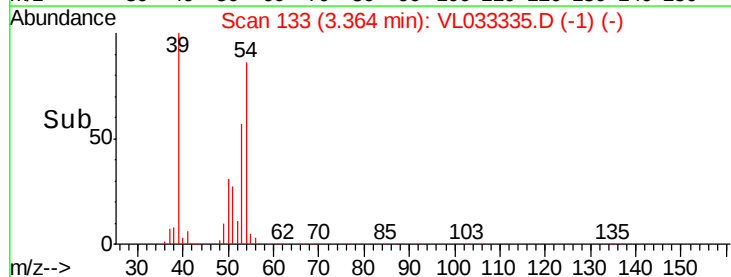
300000

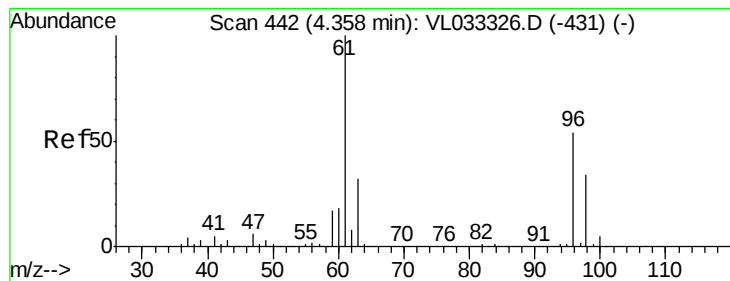
200000

100000

0

Time-->



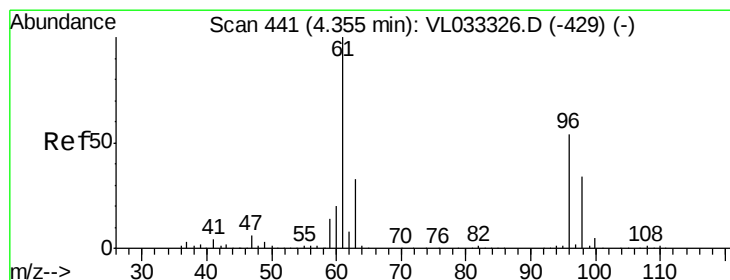
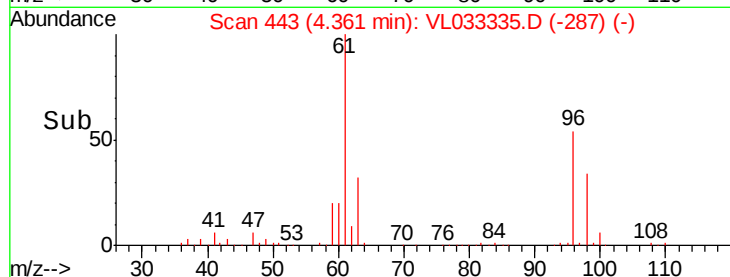
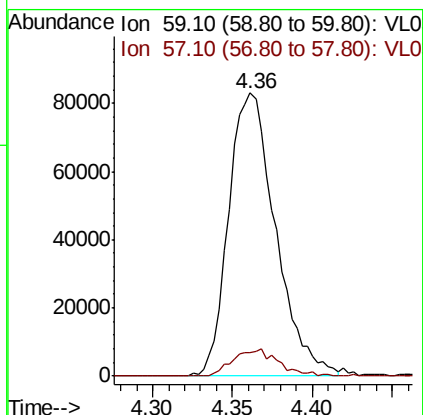
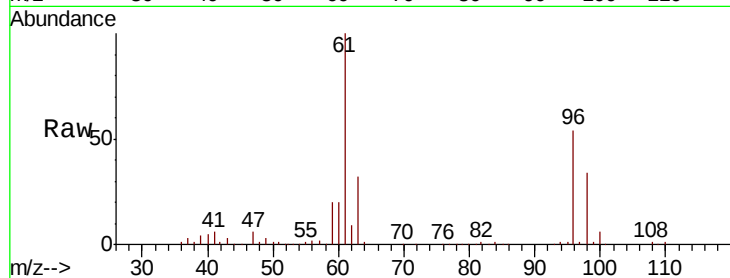


#17

tert-Butyl alcohol
Concen: 9.414 ppbv
RT: 4.36 min Scan# 443
Delta R.T. 0.00 min
Lab File: VL033335.D
Acq: 15 Mar 2019 17:41

Instrument :
MSVOA_L
ClientSampled :

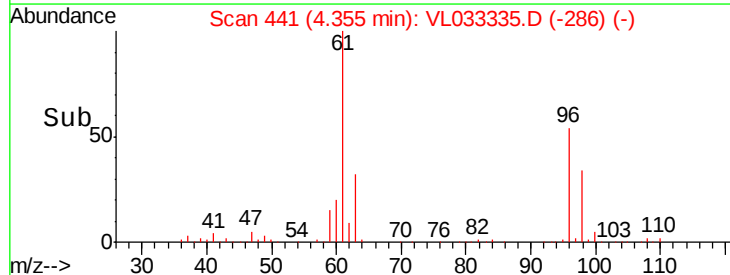
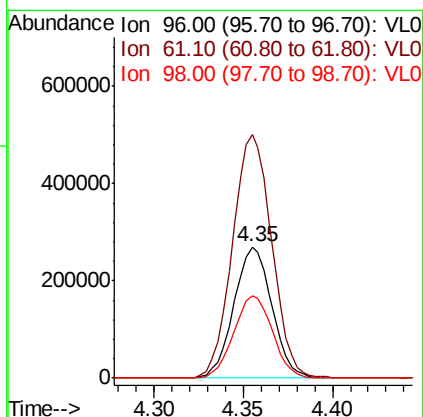
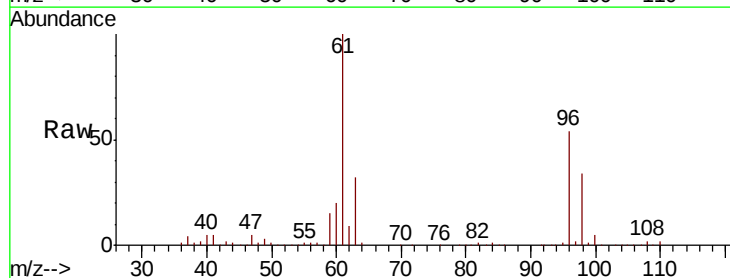
Tot Ion: 59 Resp: 166210
Ion Ratio Lower Upper
59 100
57 9.4 7.7 11.5

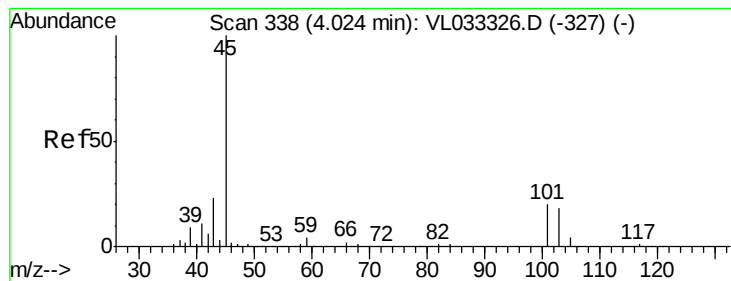


#18

1,1-Dichloroethene
Concen: 9.318 ppbv
RT: 4.35 min Scan# 441
Delta R.T. -0.00 min
Lab File: VL033335.D
Acq: 15 Mar 2019 17:41

Tgt Ion: 96 Resp: 399517
Ion Ratio Lower Upper
96 100
61 184.6 148.6 222.8
98 63.0 50.3 75.5





#19

Isopropyl Alcohol

Concen: 9.408 ppbv

RT: 4.03 min Scan# 339

Delta R.T. 0.00 min

Lab File: VL033335.D

Acq: 15 Mar 2019 17:41

Instrument :

MSVOA_L

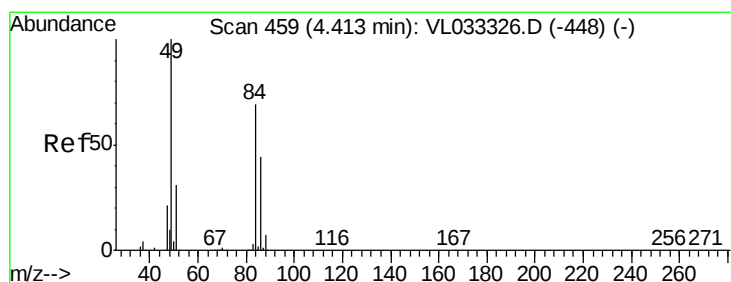
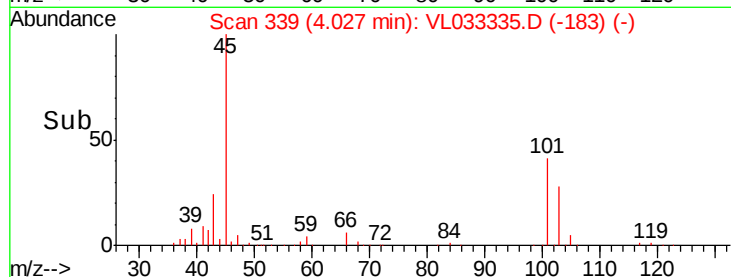
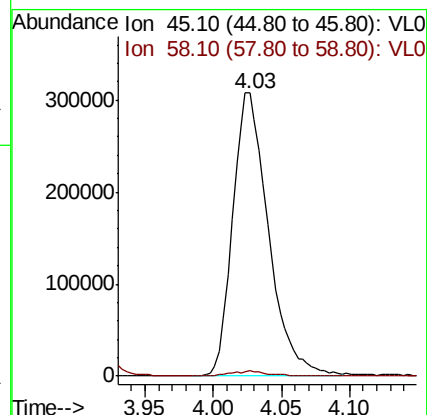
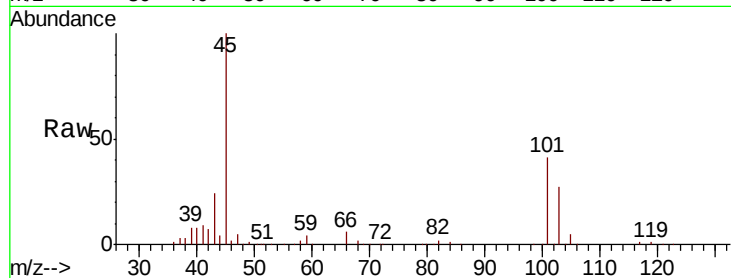
ClientSampled :

Tot Ion: 45 Resp: 561446

Ion Ratio Lower Upper

45 100

58 2.0 1.5 2.3



#20

Methylene Chloride

Concen: 8.123 ppbv

RT: 4.41 min Scan# 459

Delta R.T. -0.00 min

Lab File: VL033335.D

Acq: 15 Mar 2019 17:41

Tgt Ion: 84 Resp: 332386

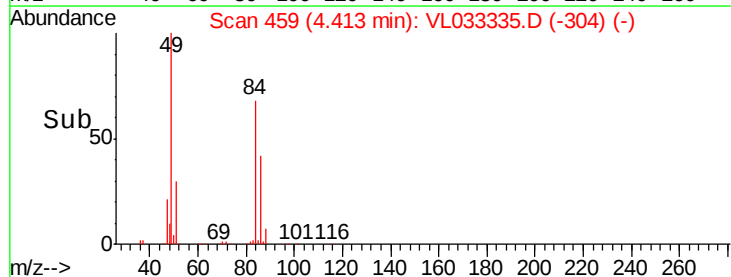
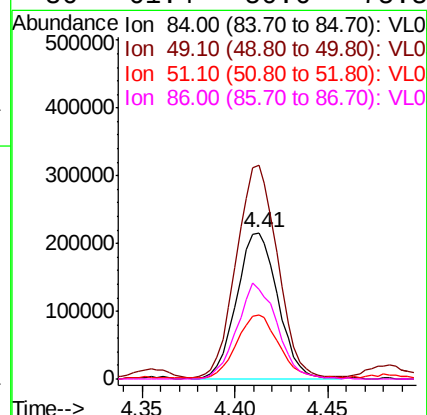
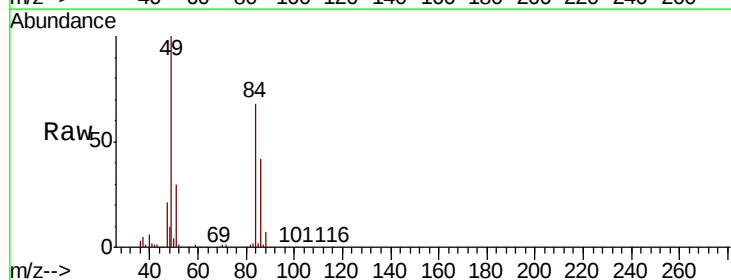
Ion Ratio Lower Upper

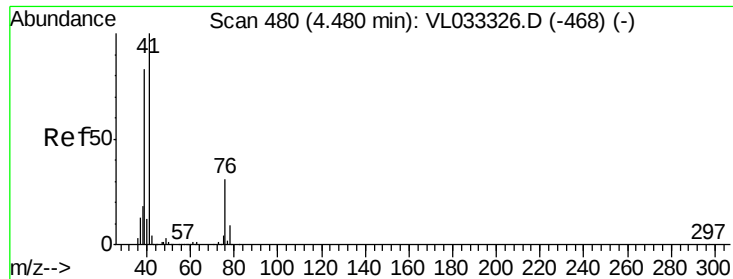
84 100

49 145.1 115.4 173.0

51 43.7 35.8 53.6

86 61.4 50.6 75.8

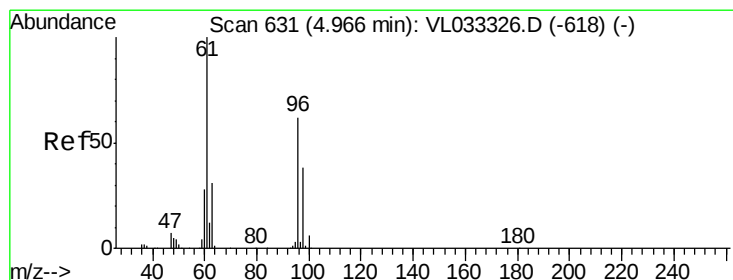
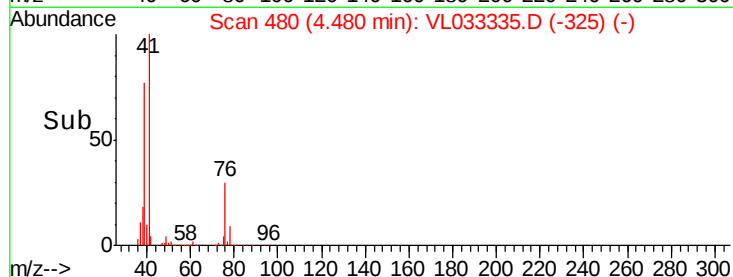
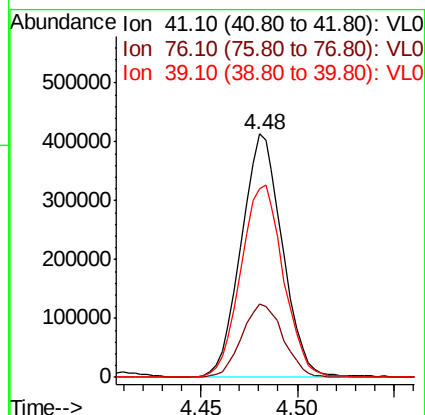
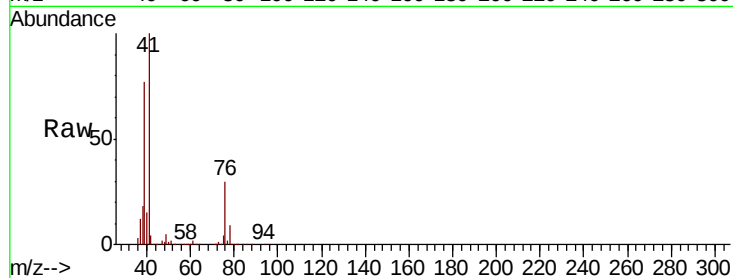




#21
Allvl Chloride
Concen: 9.992 ppbv
RT: 4.48 min Scan# 480
Delta R.T. -0.00 min
Lab File: VL033335.D
Acq: 15 Mar 2019 17:41

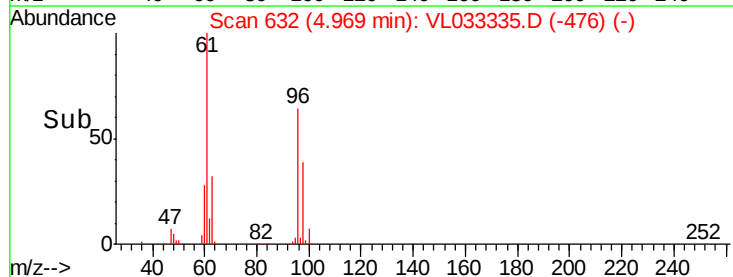
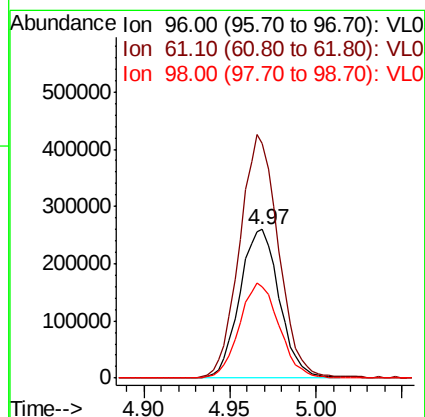
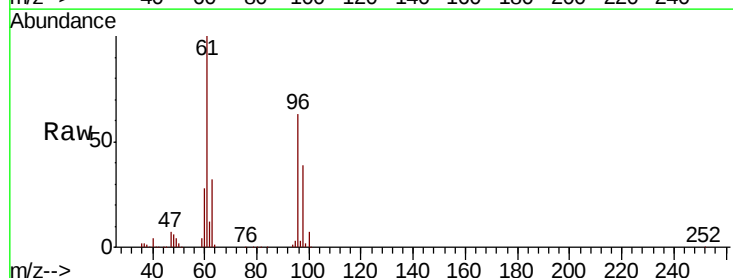
Instrument :
MSVOA_L
ClientSampleId :

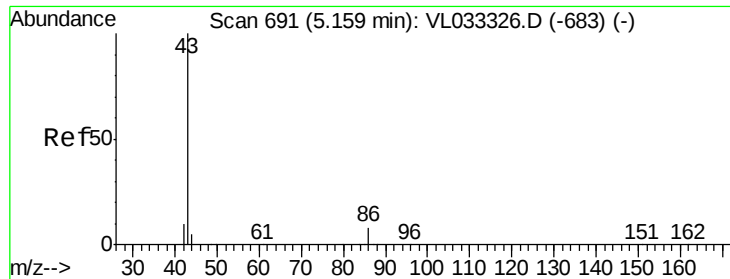
Tot Ion: 41 Resp: 608100
Ion Ratio Lower Upper
41 100
76 30.7 25.0 37.4
39 82.5 65.9 98.9



#22
trans-1,2-Dichloroethene
Concen: 10.016 ppbv
RT: 4.97 min Scan# 632
Delta R.T. 0.00 min
Lab File: VL033335.D
Acq: 15 Mar 2019 17:41

Tgt Ion: 96 Resp: 416173
Ion Ratio Lower Upper
96 100
61 157.9 130.0 195.0
98 61.3 50.0 75.0



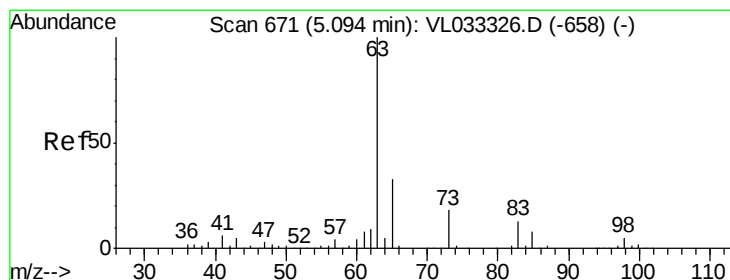
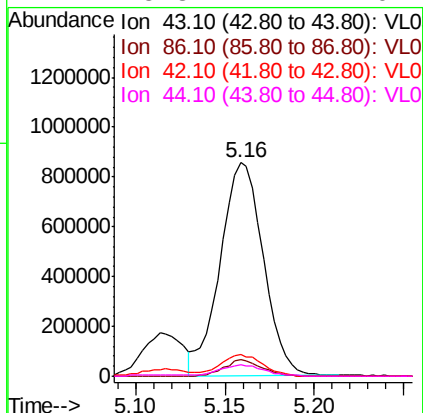
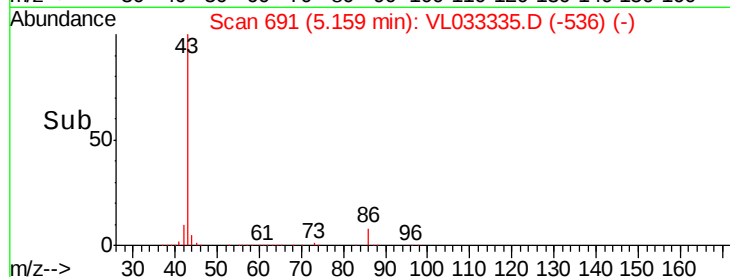
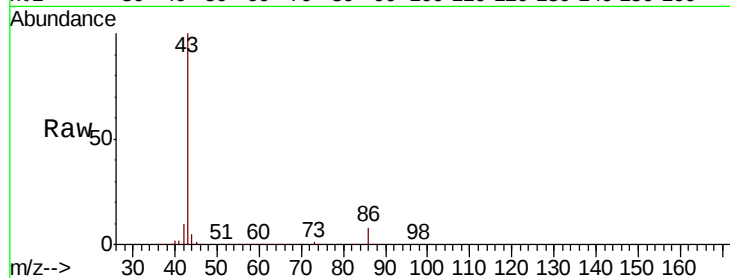


#23
 Vinyl Acetate
 Concen: 9.920 ppbv
 RT: 5.16 min Scan# 691
 Delta R.T. -0.00 min
 Lab File: VL033335.D
 Acq: 15 Mar 2019 17:41

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 43 Resp: 1440076

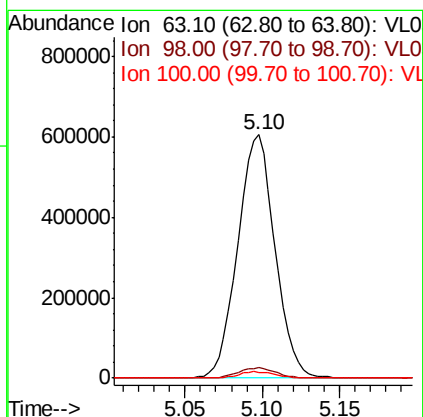
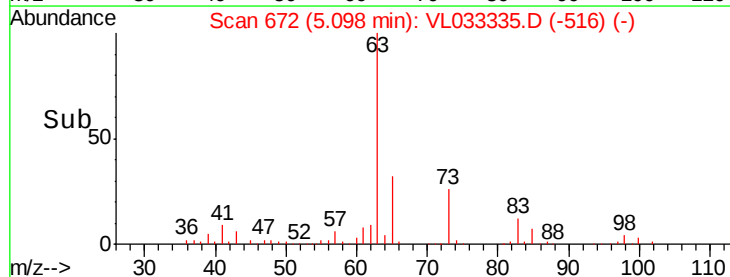
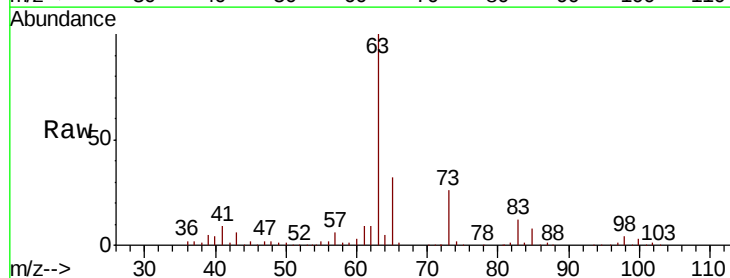
Ion	Ratio	Lower	Upper
43	100		
86	7.5	6.2	9.2
42	10.2	8.1	12.1
44	5.3	4.1	6.1

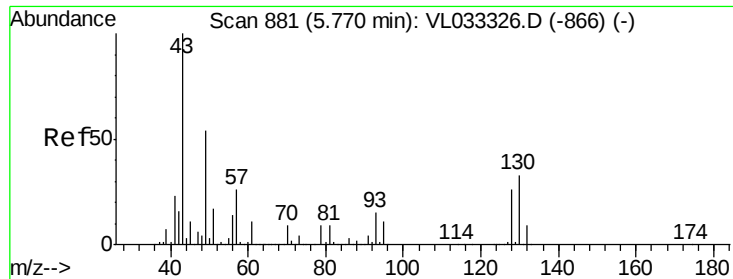


#24
 1,1-Dichloroethane
 Concen: 9.617 ppbv
 RT: 5.10 min Scan# 672
 Delta R.T. 0.00 min
 Lab File: VL033335.D
 Acq: 15 Mar 2019 17:41

Tgt Ion: 63 Resp: 1008218

Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.4	7.1
100	2.5	1.3	3.8



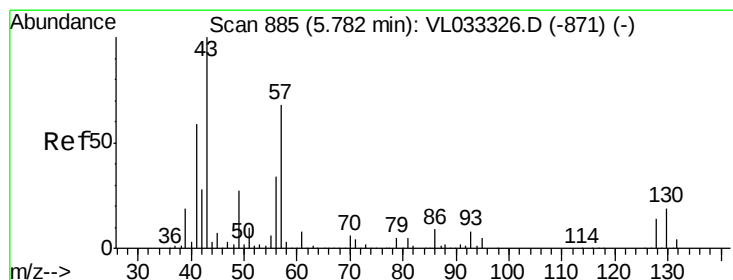
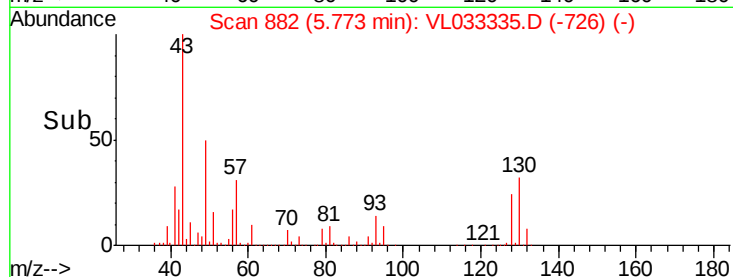
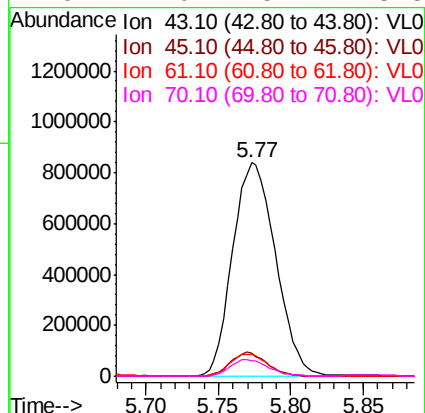
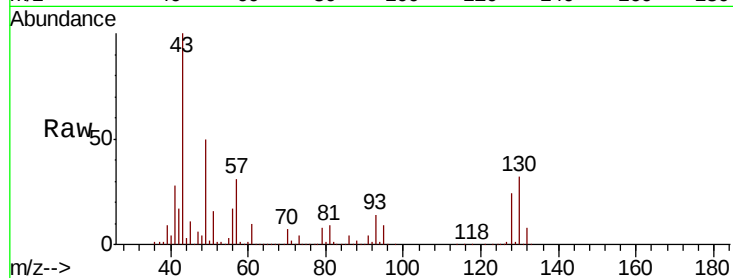


#25
Ethyl Acetate
Concen: 9.474 ppbv
RT: 5.77 min Scan# 882
Delta R.T. 0.00 min
Lab File: VL033335.D
Acq: 15 Mar 2019 17:41

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 1727833

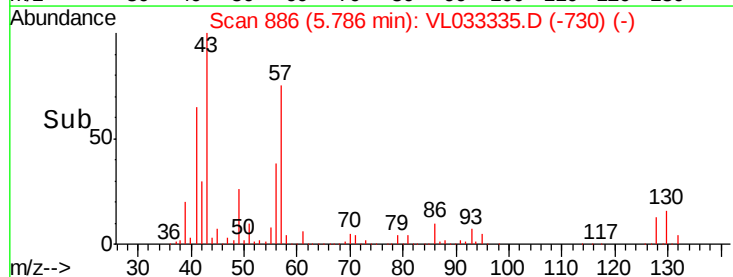
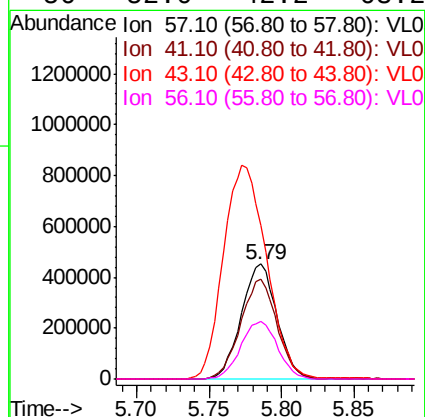
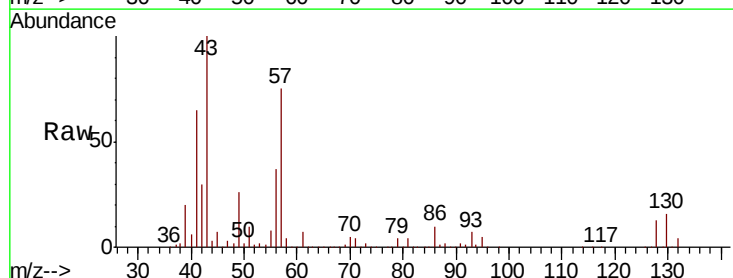
Ion	Ratio	Lower	Upper
43	100		
45	9.6	7.9	11.9
61	9.4	7.4	11.2
70	7.0	5.7	8.5

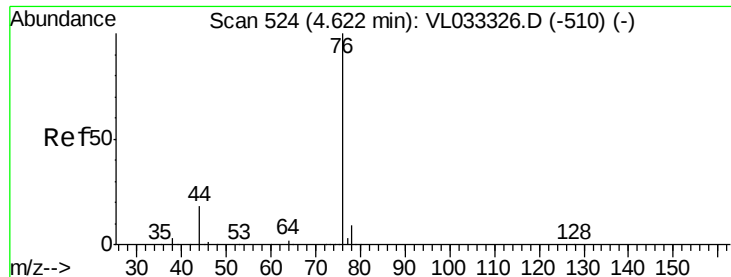


#26
Hexane
Concen: 9.478 ppbv
RT: 5.79 min Scan# 886
Delta R.T. 0.00 min
Lab File: VL033335.D
Acq: 15 Mar 2019 17:41

Tgt Ion: 57 Resp: 772780

Ion	Ratio	Lower	Upper
57	100		
41	88.5	70.5	105.7
43	224.7	181.8	272.8
56	52.0	42.2	63.2





#27

Carbon Disulfide

Concen: 10.603 ppbv

RT: 4.62 min Scan# 524

Delta R.T. -0.00 min

Lab File: VL033335.D

Acq: 15 Mar 2019 17:41

Instrument :

MSVOA_L

ClientSampleId :

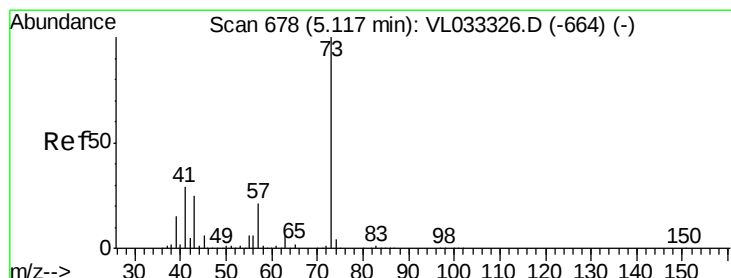
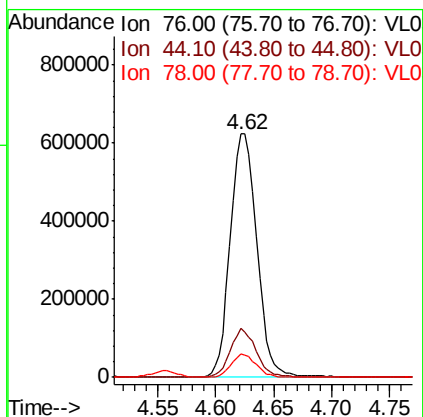
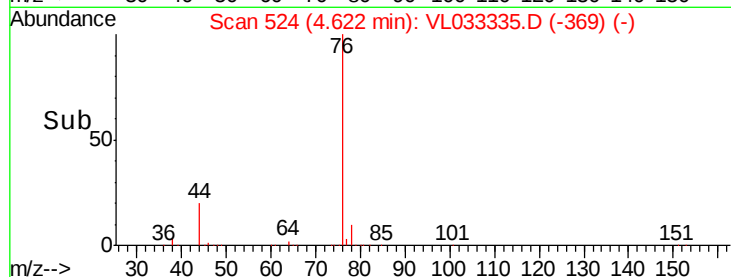
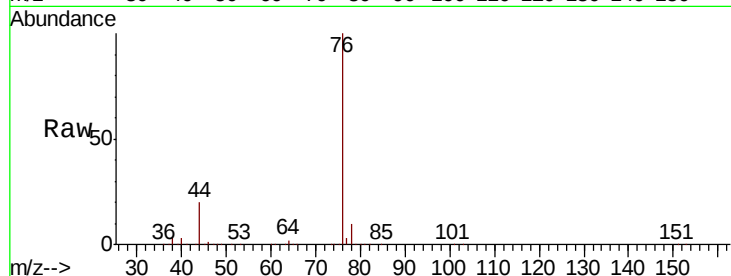
Tot Ion: 76 Resp: 995248

Ion Ratio Lower Upper

76 100

44 19.3 15.2 22.8

78 9.0 7.2 10.8



#28

Methyl tert-Butyl Ether

Concen: 9.749 ppbv

RT: 5.12 min Scan# 678

Delta R.T. -0.00 min

Lab File: VL033335.D

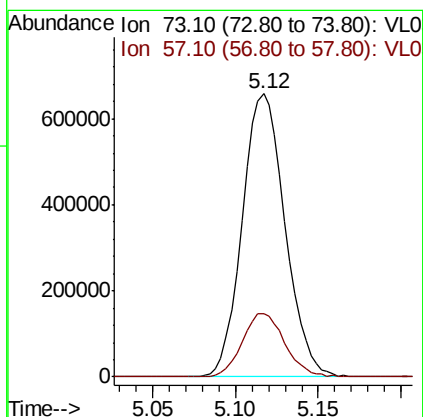
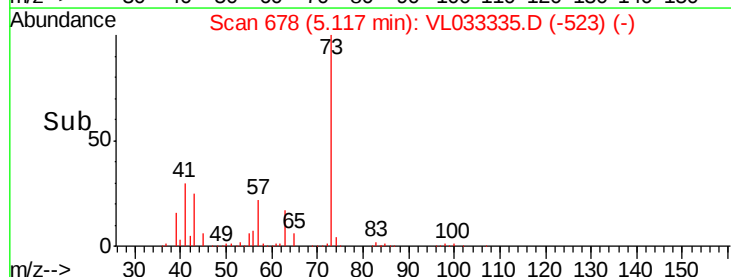
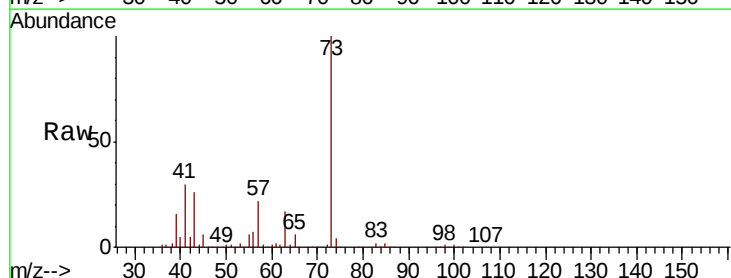
Acq: 15 Mar 2019 17:41

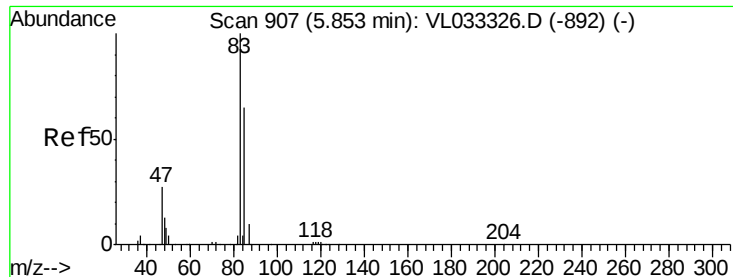
Tgt Ion: 73 Resp: 1180560

Ion Ratio Lower Upper

73 100

57 22.5 17.4 26.0

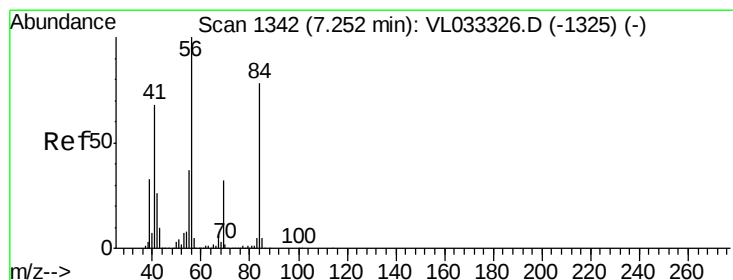
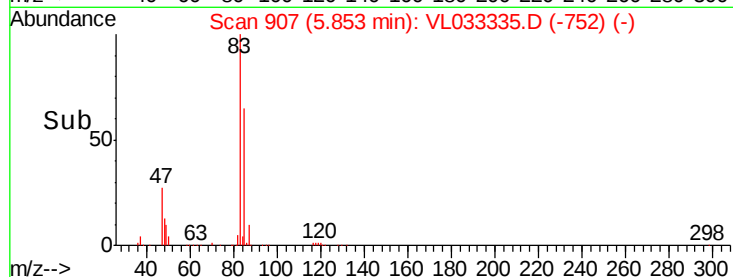
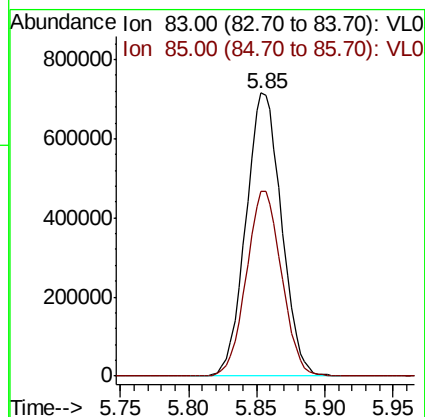
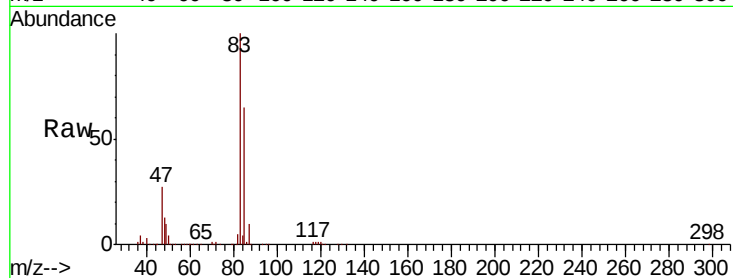




#29
Chloroform
Concen: 9.691 ppbv
RT: 5.85 min Scan# 907
Delta R.T. -0.00 min
Lab File: VL033335.D
Acq: 15 Mar 2019 17:41

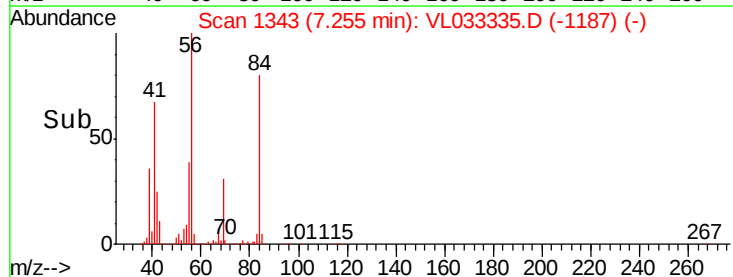
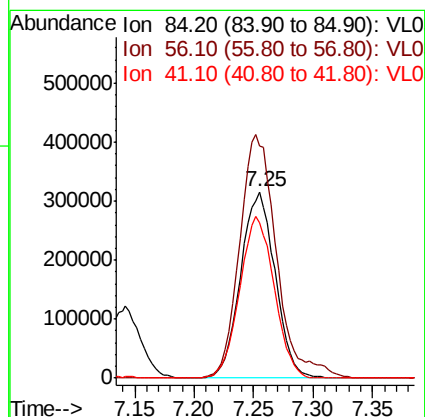
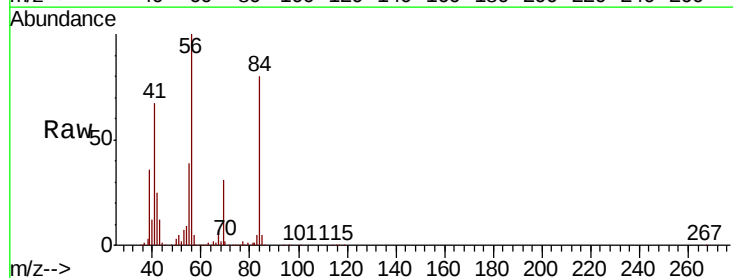
Instrument :
MSVOA_L
ClientSampleId :

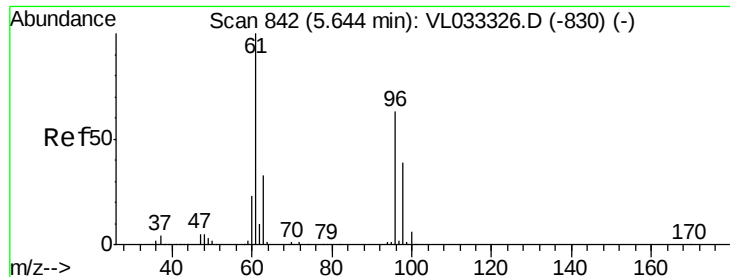
Tot Ion: 83 Resp: 1293740
Ion Ratio Lower Upper
83 100
85 65.1 52.0 78.0



#30
Cyclohexane
Concen: 9.726 ppbv
RT: 7.25 min Scan# 1343
Delta R.T. 0.00 min
Lab File: VL033335.D
Acq: 15 Mar 2019 17:41

Tgt Ion: 84 Resp: 635757
Ion Ratio Lower Upper
84 100
56 140.2 111.3 166.9
41 86.7 69.6 104.4



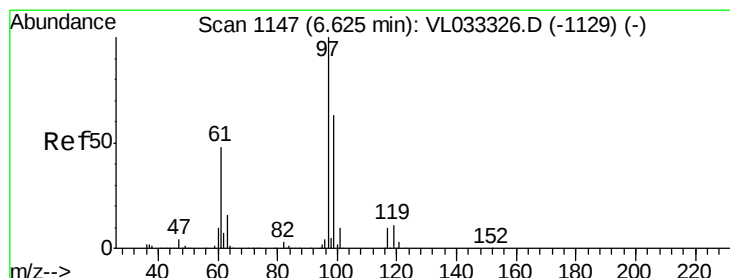
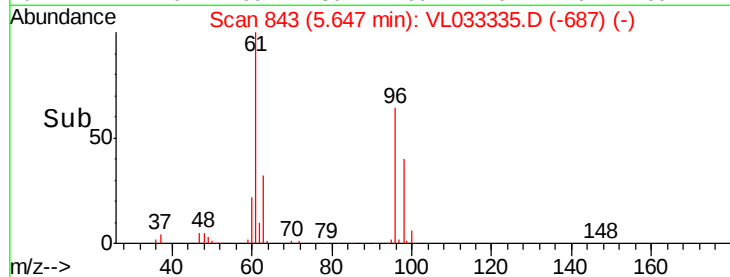
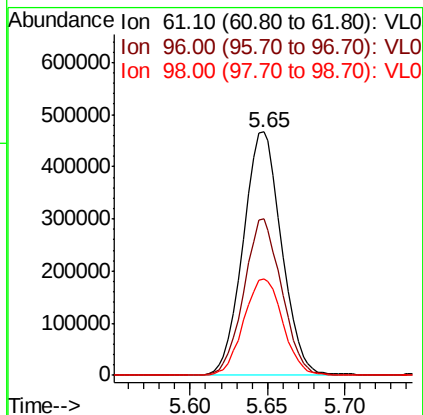
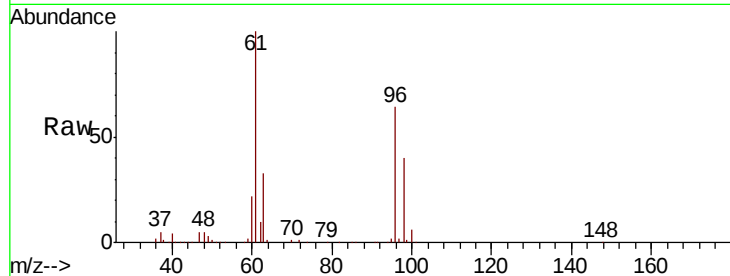


#31

cis-1,2-Dichloroethene
 Concen: 9.911 ppbv
 RT: 5.65 min Scan# 843
 Delta R.T. 0.00 min
 Lab File: VL033335.D
 Acq: 15 Mar 2019 17:41

Instrument :
 MSVOA_L
 ClientSampleId :

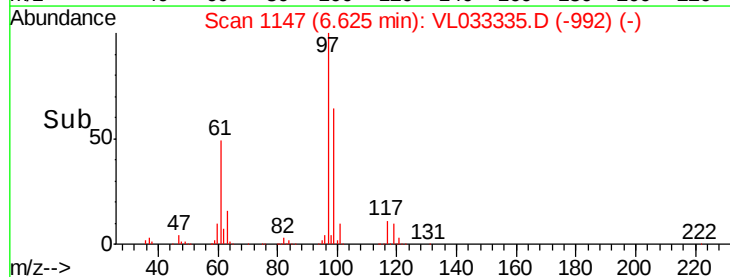
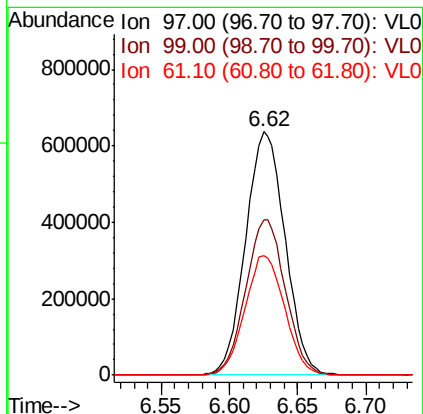
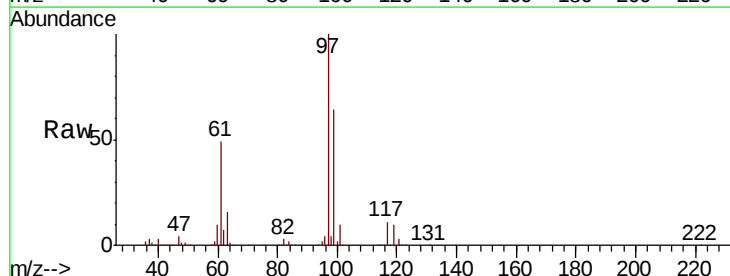
Tot Ion	Ratio	Lower	Upper
61	100		
96	64.1	50.3	75.5
98	39.8	31.5	47.3

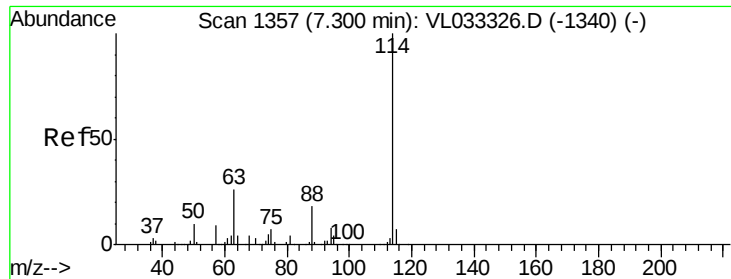


#32

1,1,1-Trichloroethane
 Concen: 9.763 ppbv
 RT: 6.62 min Scan# 1147
 Delta R.T. -0.00 min
 Lab File: VL033335.D
 Acq: 15 Mar 2019 17:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.0	76.6
61	49.5	39.3	58.9

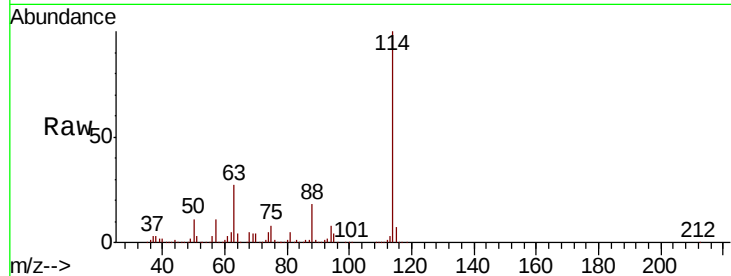




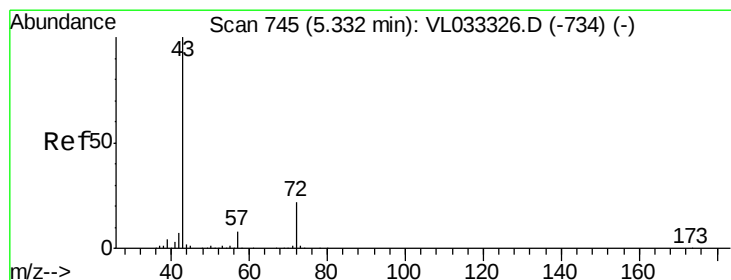
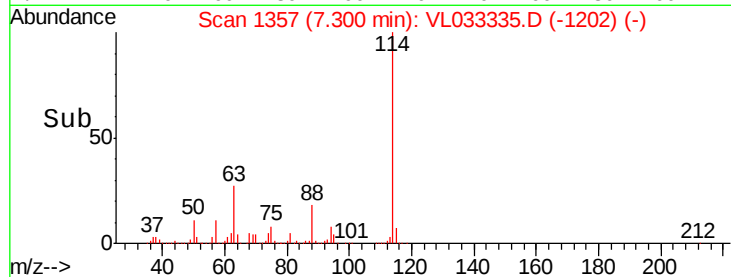
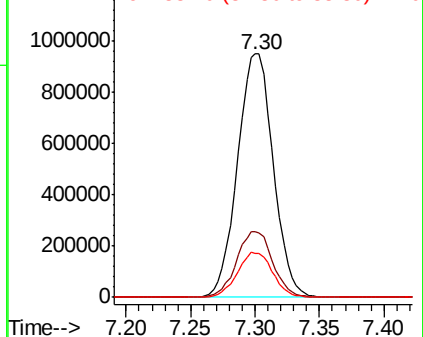
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1357
 Delta R.T. -0.00 min
 Lab File: VL033335.D
 Acq: 15 Mar 2019 17:41

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 1834021
 Ion Ratio Lower Upper
 114 100
 63 27.6 21.4 32.2
 88 18.3 14.5 21.7

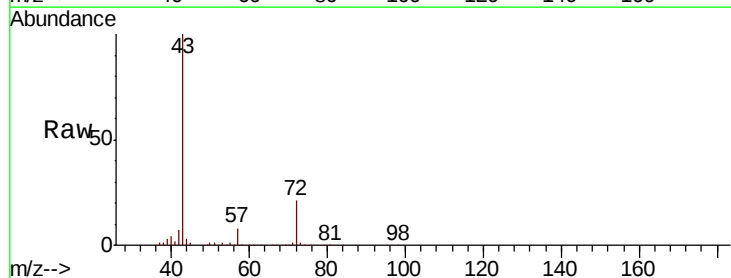


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

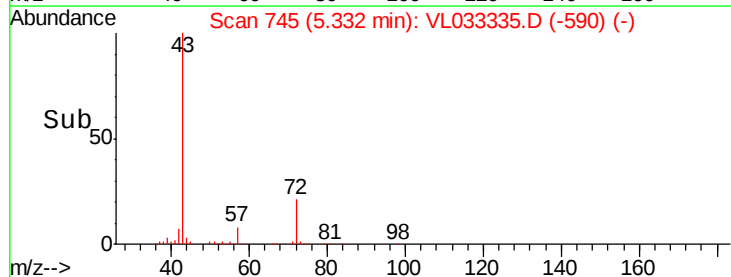
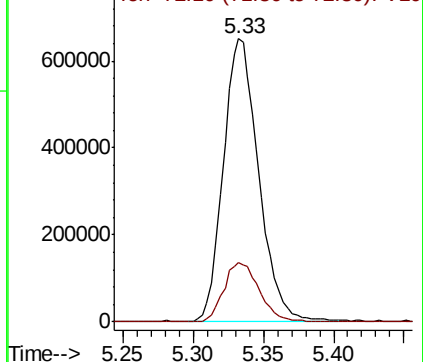


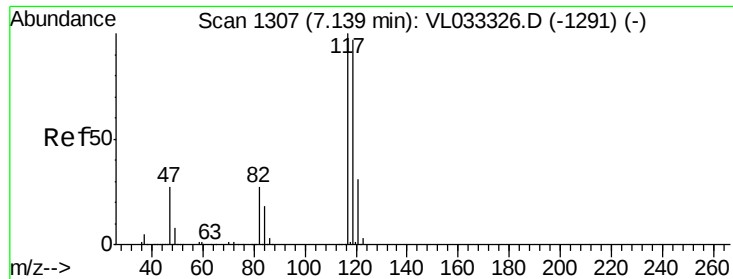
#34
 2-Butanone
 Concen: 9.383 ppbv
 RT: 5.33 min Scan# 745
 Delta R.T. -0.00 min
 Lab File: VL033335.D
 Acq: 15 Mar 2019 17:41

Tgt Ion: 43 Resp: 1130111
 Ion Ratio Lower Upper
 43 100
 72 21.3 17.7 26.5



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

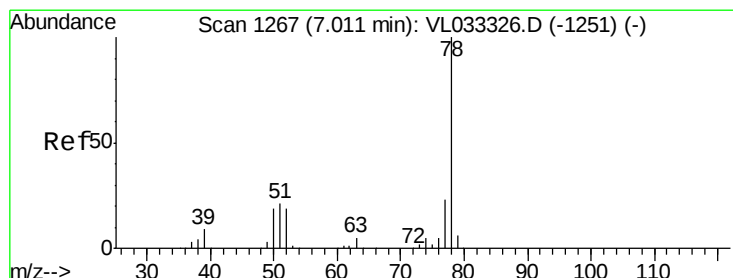
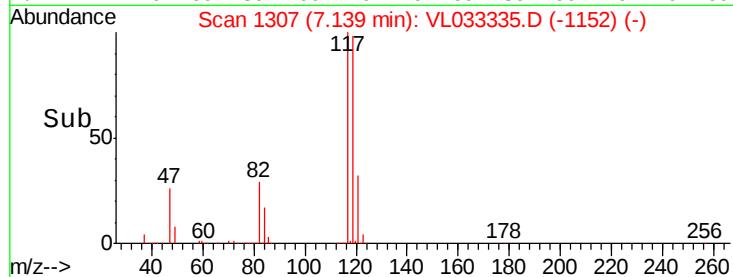
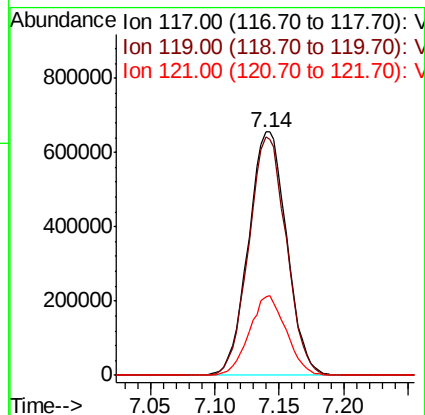
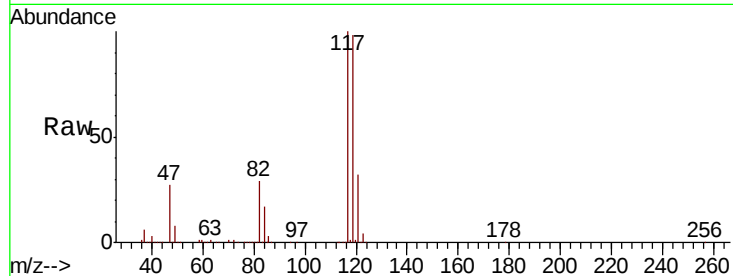




#35
Carbon Tetrachloride
Concen: 10.476 ppbv
RT: 7.14 min Scan# 1307
Delta R.T. -0.00 min
Lab File: VL033335.D
Acq: 15 Mar 2019 17:41

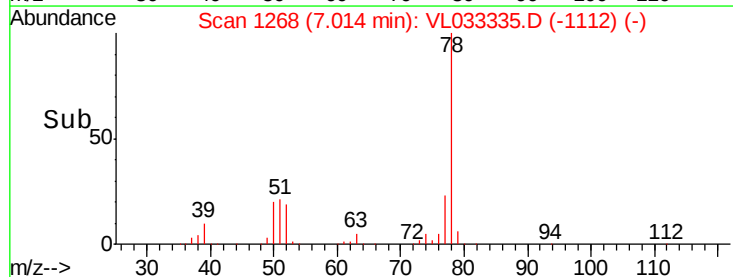
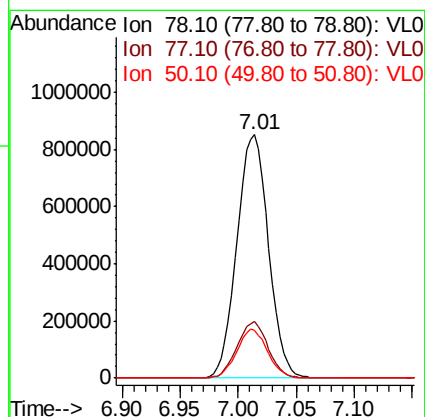
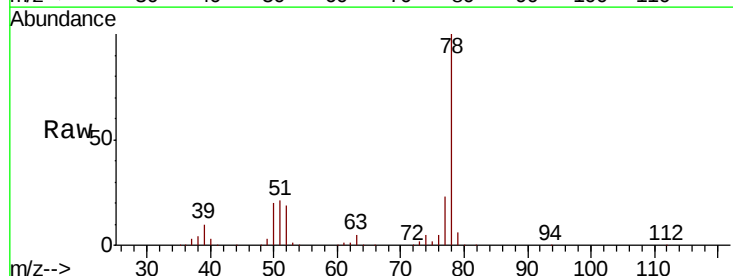
Instrument :
MSVOA_L
ClientSampleId :

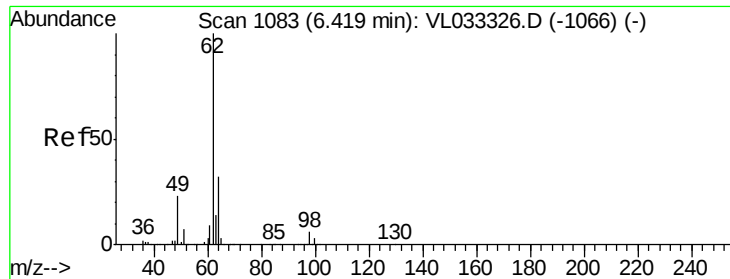
Tot Ion:117 Resp: 1354523
Ion Ratio Lower Upper
117 100
119 98.2 77.4 116.0
121 32.2 24.9 37.3



#36
Benzene
Concen: 9.789 ppbv
RT: 7.01 min Scan# 1268
Delta R.T. 0.00 min
Lab File: VL033335.D
Acq: 15 Mar 2019 17:41

Tgt Ion: 78 Resp: 1606728
Ion Ratio Lower Upper
78 100
77 23.2 18.1 27.1
50 19.5 15.2 22.8

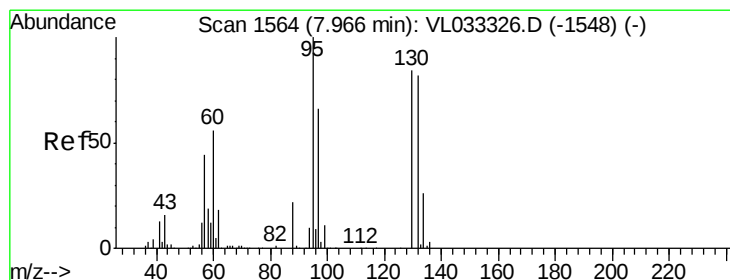
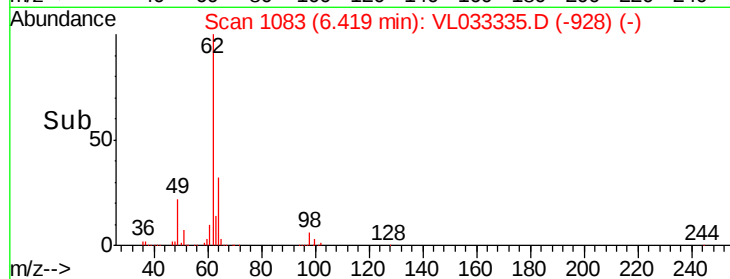
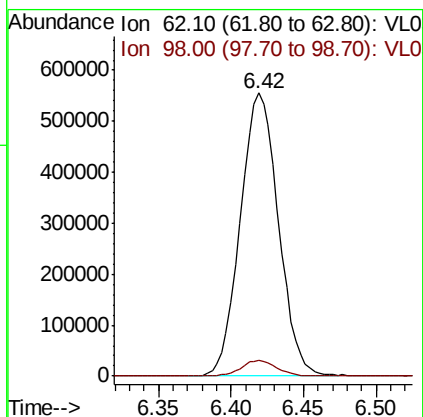
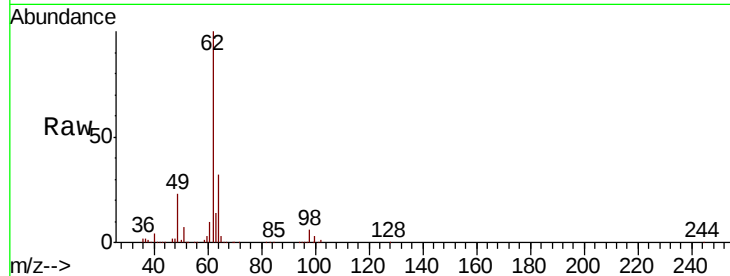




#37
 1,2-Dichloroethane
 Concen: 9.784 ppbv
 RT: 6.42 min Scan# 1083
 Delta R.T. -0.00 min
 Lab File: VL033335.D
 Acq: 15 Mar 2019 17:41

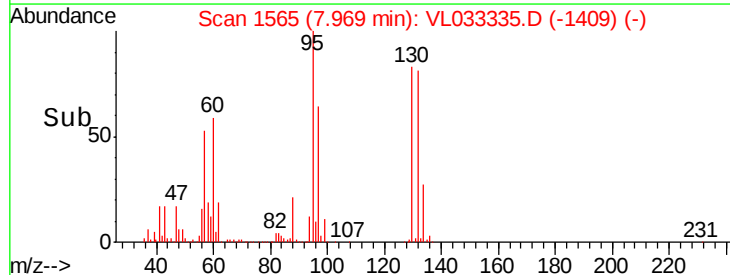
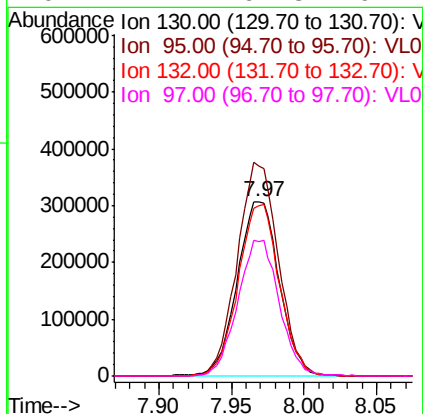
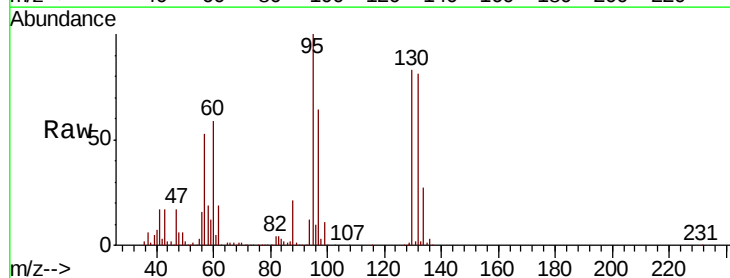
Instrument :
 MSVOA_L
 ClientSampleId :

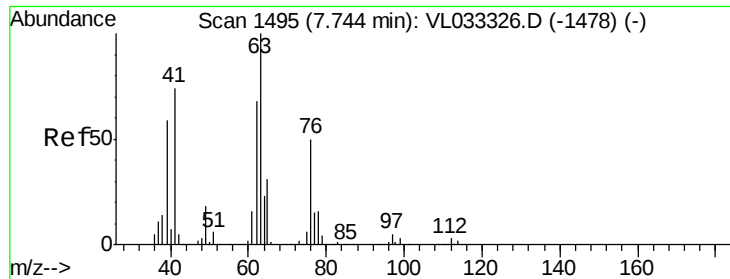
Tot Ion: 62 Resp: 1015426
 Ion Ratio Lower Upper
 62 100
 98 5.3 4.5 6.7



#38
 Trichloroethene
 Concen: 9.873 ppbv
 RT: 7.97 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VL033335.D
 Acq: 15 Mar 2019 17:41

Tgt Ion:130 Resp: 613200
 Ion Ratio Lower Upper
 130 100
 95 120.6 95.2 142.8
 132 97.3 77.7 116.5
 97 77.1 62.8 94.2





#39

1,2-Dichloropropane

Concen: 9.965 ppbv

RT: 7.74 min Scan# 1495

Delta R.T. -0.00 min

Lab File: VL033335.D

Acq: 15 Mar 2019 17:41

Instrument :

MSVOA_L

ClientSampleId :

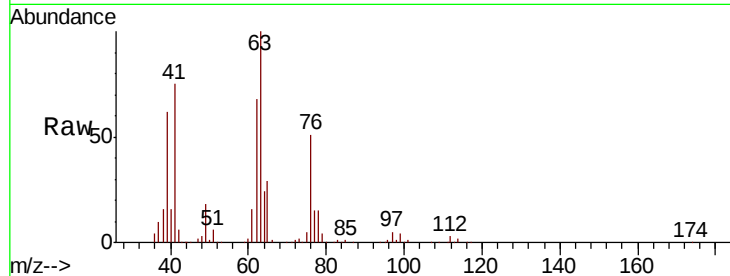
Tot Ion: 63 Resp: 612547

Ion Ratio Lower Upper

63 100

41 74.6 59.5 89.3

62 68.4 54.7 82.1

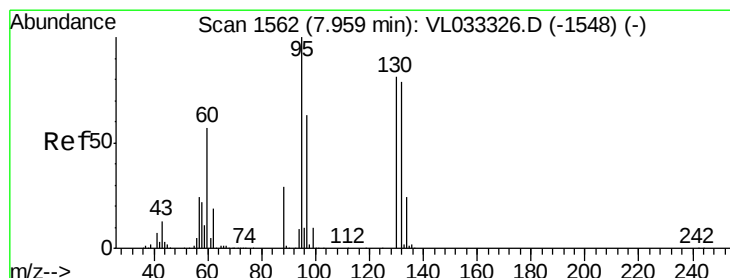
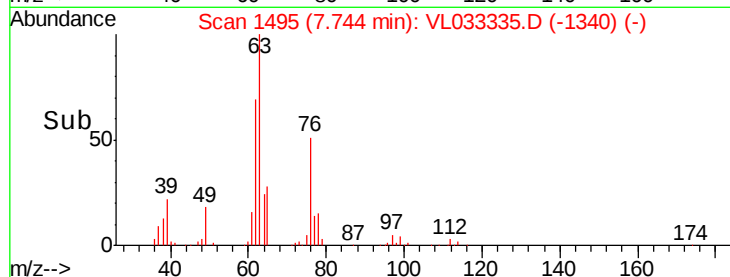
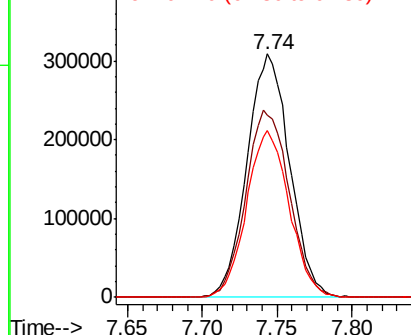


Abundance

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: 9.607 ppbv

RT: 7.96 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VL033335.D

Acq: 15 Mar 2019 17:41

Tgt Ion: 88 Resp: 207950

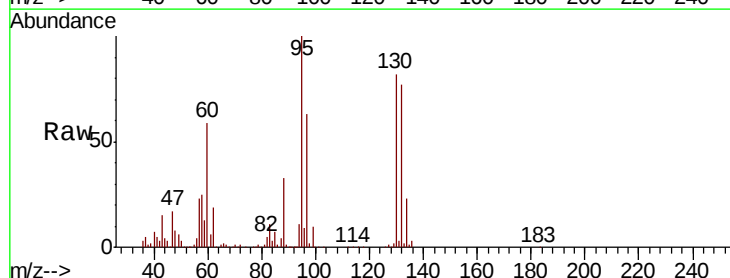
Ion Ratio Lower Upper

88 100

58 138.5 107.9 161.9

43 294.7 230.8 346.2

57 1306.4 1035.3 1552.9



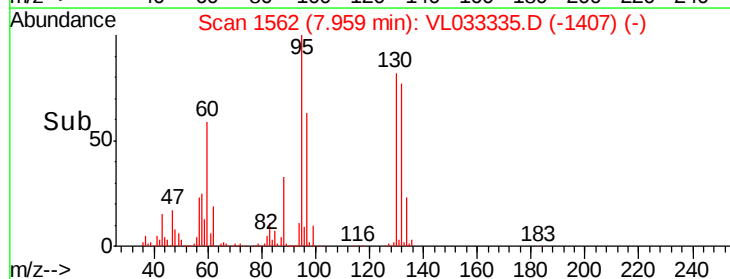
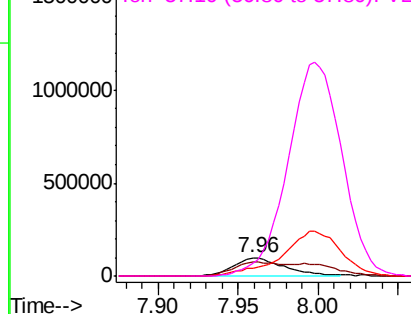
Abundance

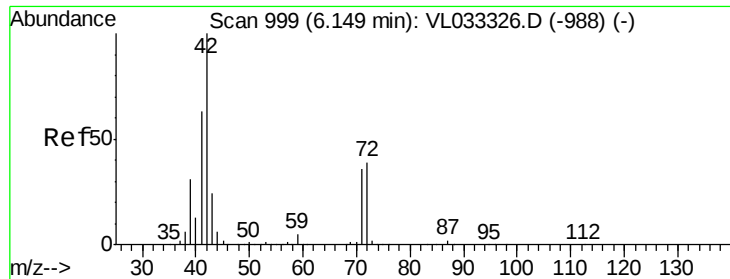
Ion 88.10 (87.80 to 88.80): VL0

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: 10.219 ppbv

RT: 6.15 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VL033335.D

Acq: 15 Mar 2019 17:41

Instrument :

MSVOA_L

ClientSampleId :

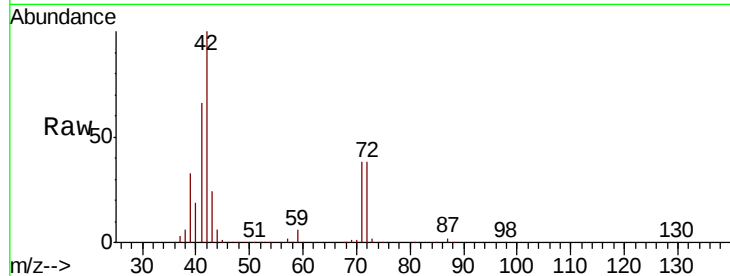
Tot Ion: 42 Resp: 656811

Ion Ratio Lower Upper

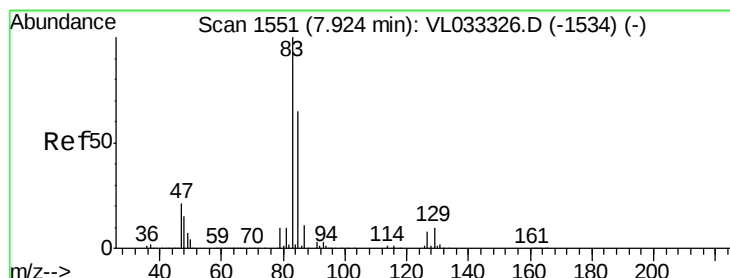
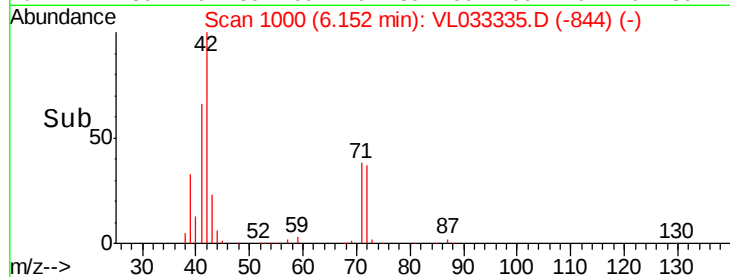
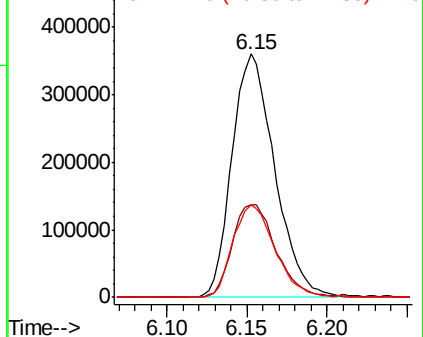
42 100

72 39.3 31.6 47.4

71 37.7 29.9 44.9



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: 10.331 ppbv

RT: 7.92 min Scan# 1551

Delta R.T. -0.00 min

Lab File: VL033335.D

Acq: 15 Mar 2019 17:41

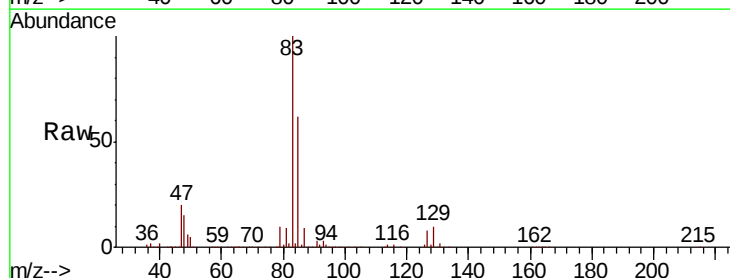
Tgt Ion: 83 Resp: 1437520

Ion Ratio Lower Upper

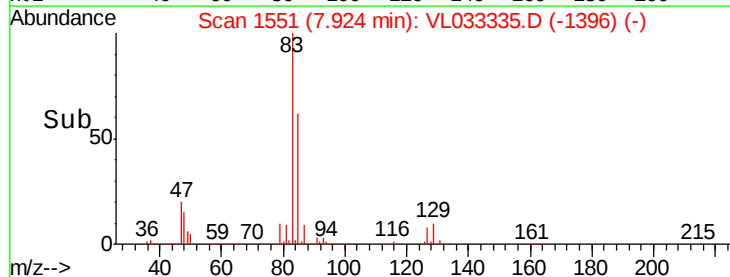
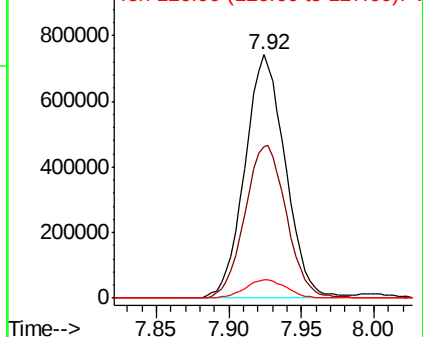
83 100

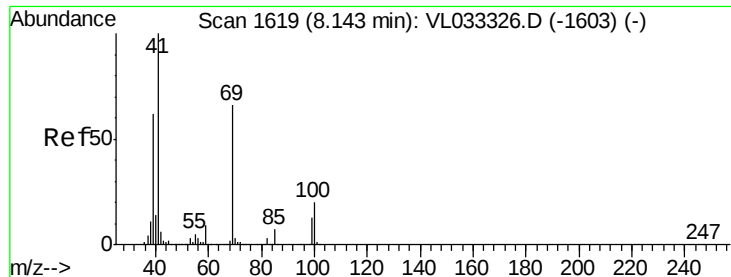
85 62.0 51.8 77.6

127 7.5 6.2 9.2



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

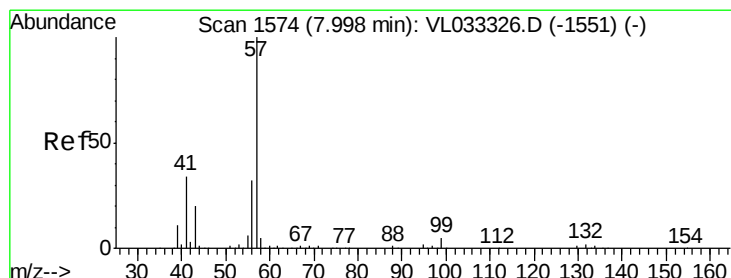
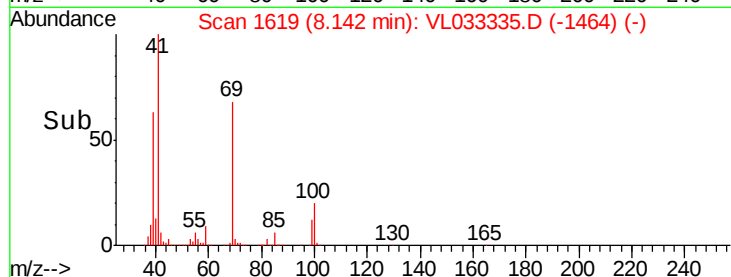
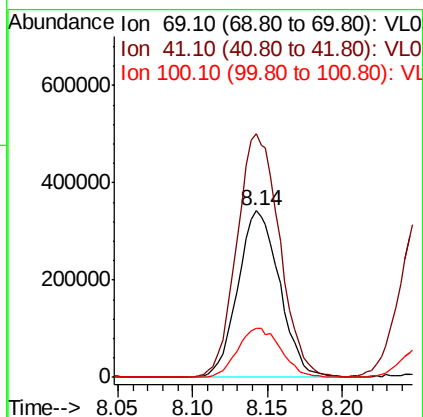
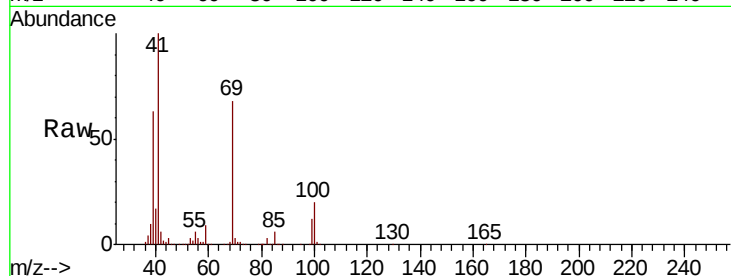




#43
Methvl Methacrylate
Concen: 10.370 ppbv
RT: 8.14 min Scan# 1619
Delta R.T. -0.00 min
Lab File: VL033335.D
Acq: 15 Mar 2019 17:41

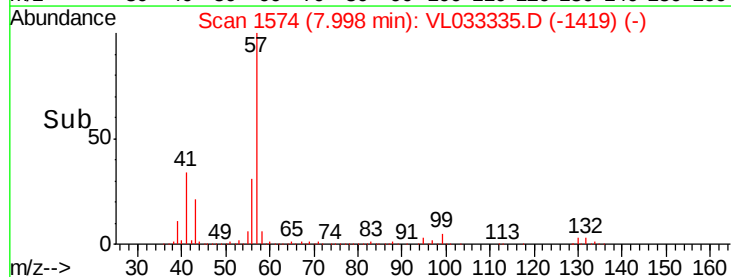
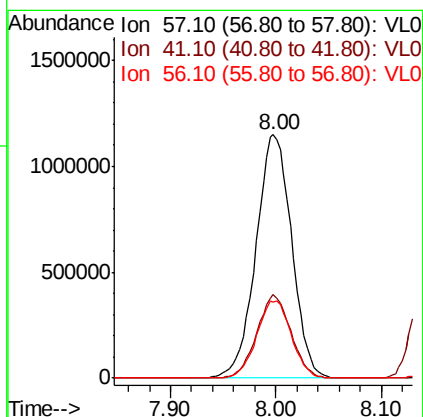
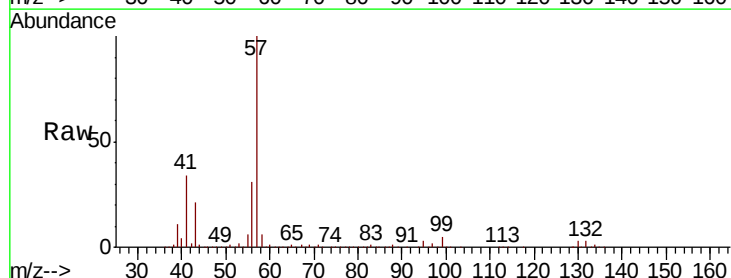
Instrument :
MSVOA_L
ClientSampleId :

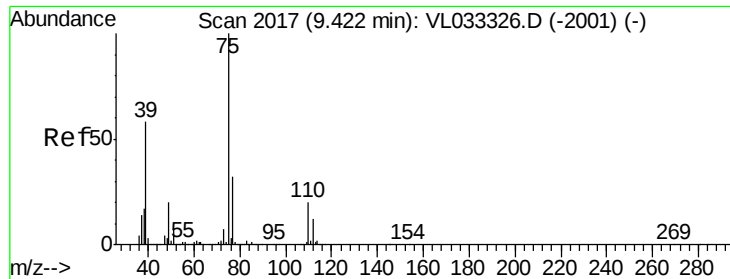
Tot Ion: 69 Resp: 662714
Ion Ratio Lower Upper
69 100
41 150.3 119.5 179.3
100 30.9 24.4 36.6



#44
2,2,4-Trimethylpentane
Concen: 9.979 ppbv
RT: 8.00 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VL033335.D
Acq: 15 Mar 2019 17:41

Tgt Ion: 57 Resp: 2712960
Ion Ratio Lower Upper
57 100
41 32.7 26.0 39.0
56 30.9 24.6 36.8





#45

t-1,3-Dichloropropene

Concen: 11.553 ppbv

RT: 9.43 min Scan# 2018

Delta R.T. 0.00 min

Lab File: VL033335.D

Acq: 15 Mar 2019 17:41

Instrument :

MSVOA_L

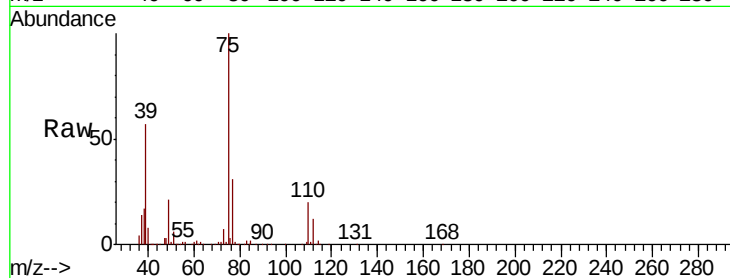
ClientSampled :

Tot Ion: 75 Resp: 911579

Ion Ratio Lower Upper

75 100

77 31.3 25.5 38.3



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.43

500000

400000

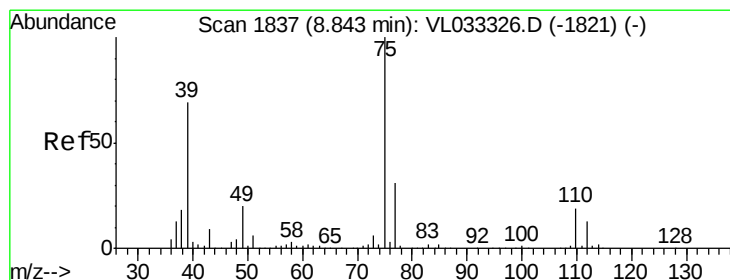
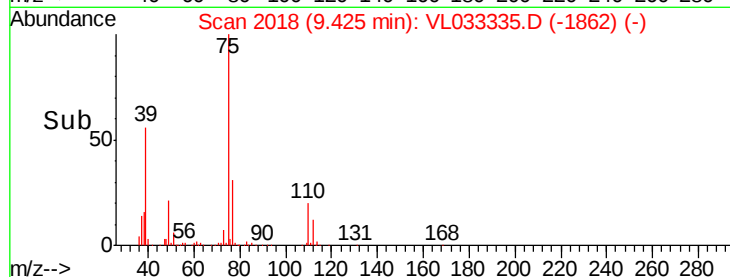
300000

200000

100000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 11.035 ppbv

RT: 8.85 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VL033335.D

Acq: 15 Mar 2019 17:41

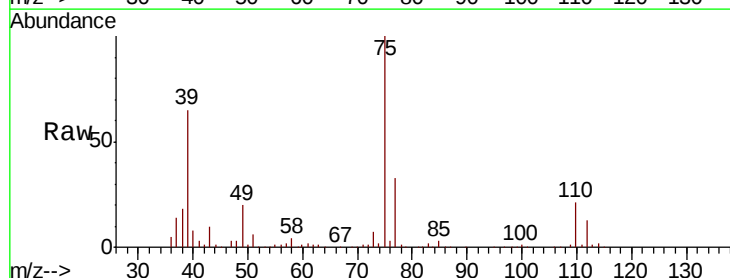
Tgt Ion: 75 Resp: 1025280

Ion Ratio Lower Upper

75 100

39 65.4 55.0 82.6

77 32.7 24.5 36.7



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

8.85

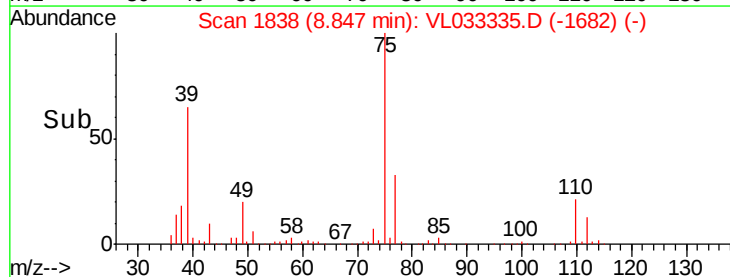
600000

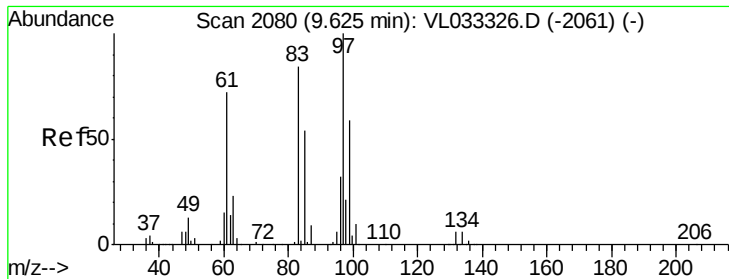
400000

200000

0

Time-->





#47

1,1,2-Trichloroethane

Concen: 9.880 ppbv

RT: 9.62 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VL033335.D

Acq: 15 Mar 2019 17:41

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 97 Resp: 670956

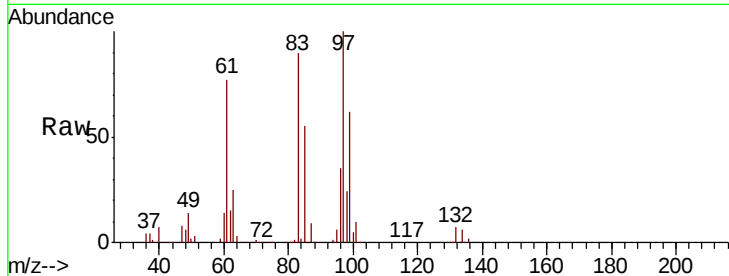
Ion Ratio Lower Upper

97 100

83 89.9 67.4 101.0

85 55.3 43.0 64.4

99 62.4 47.0 70.6

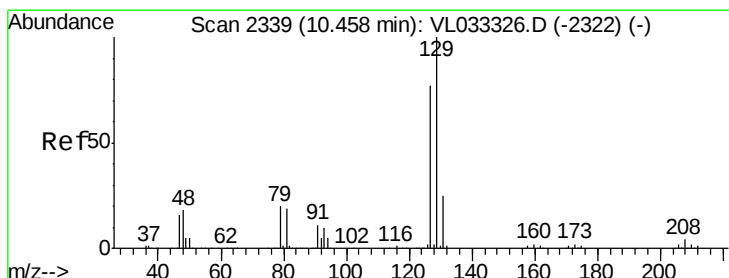
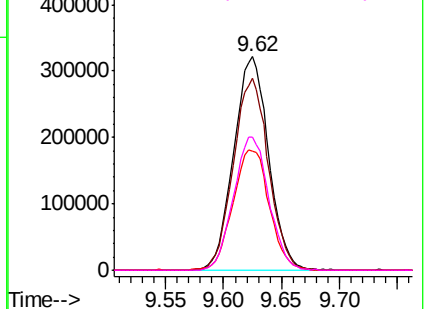
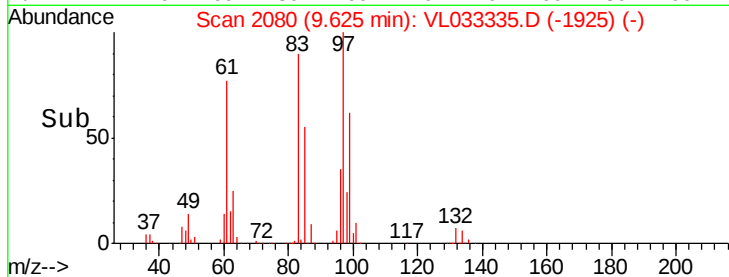


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 10.767 ppbv

RT: 10.46 min Scan# 2340

Delta R.T. 0.00 min

Lab File: VL033335.D

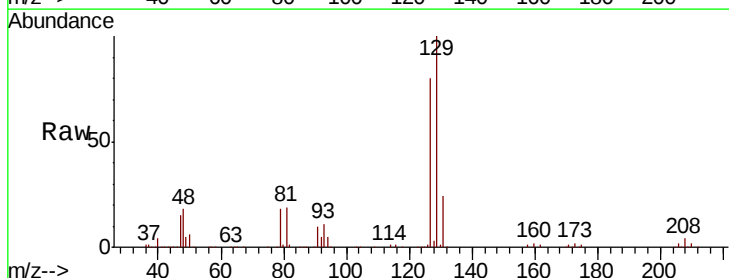
Acq: 15 Mar 2019 17:41

Tgt Ion: 129 Resp: 1226355

Ion Ratio Lower Upper

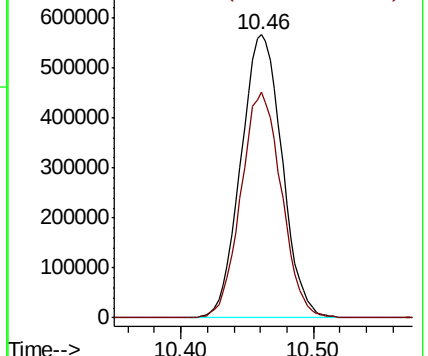
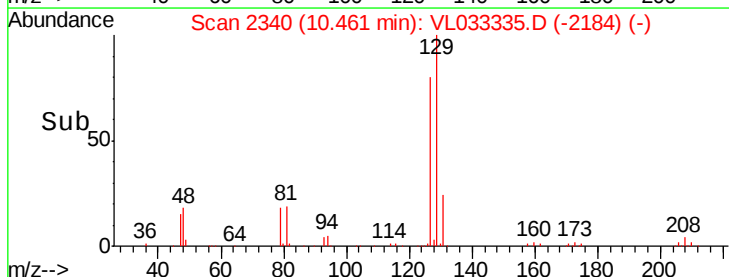
129 100

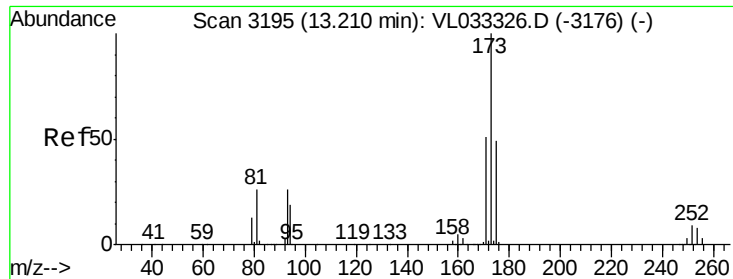
127 78.5 38.9 116.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.471 ppbv

RT: 13.21 min Scan# 3196

Delta R.T. 0.00 min

Lab File: VL033335.D

Acq: 15 Mar 2019 17:41

Instrument :

MSVOA_L

ClientSampleId :

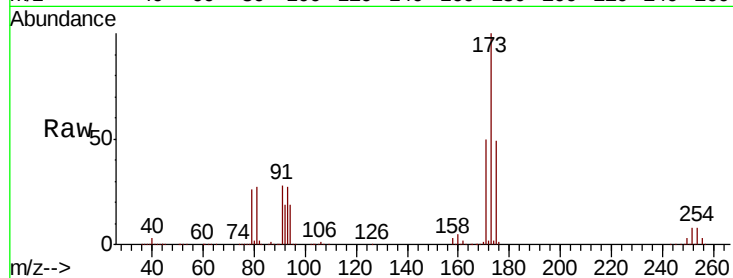
Tot Ion:173 Resp: 1239338

Ion Ratio Lower Upper

173 100

175 48.6 39.0 58.6

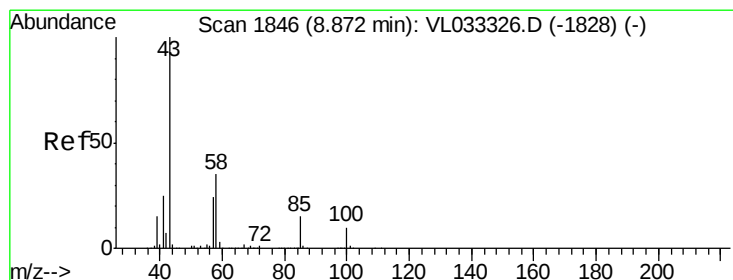
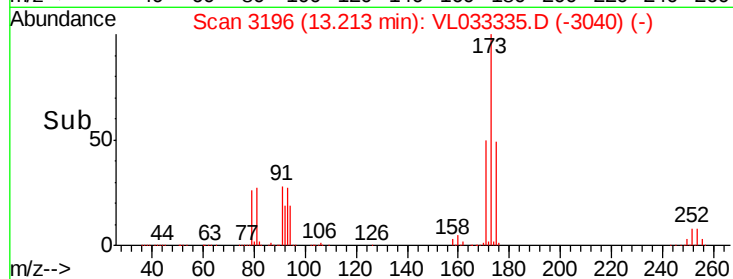
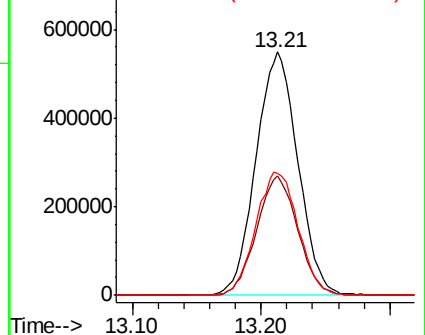
171 51.7 41.7 62.5



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: 9.939 ppbv

RT: 8.88 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VL033335.D

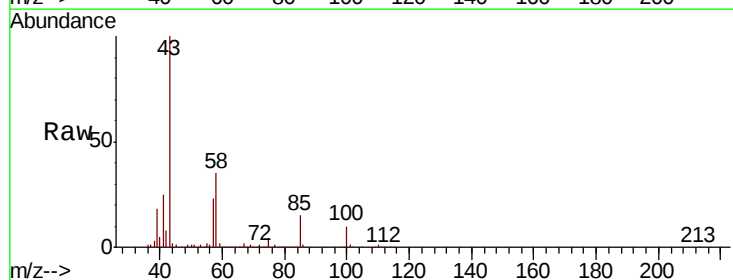
Acq: 15 Mar 2019 17:41

Tgt Ion: 43 Resp: 1691016

Ion Ratio Lower Upper

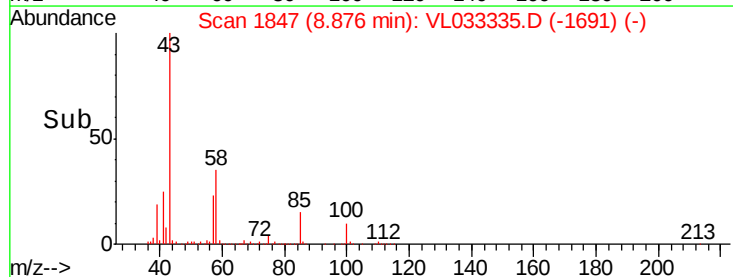
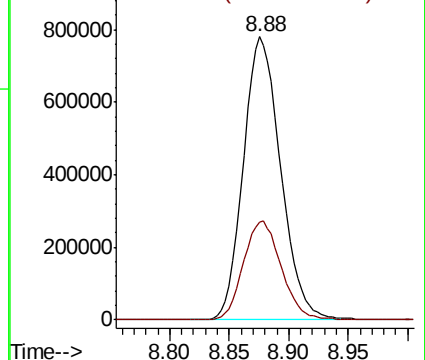
43 100

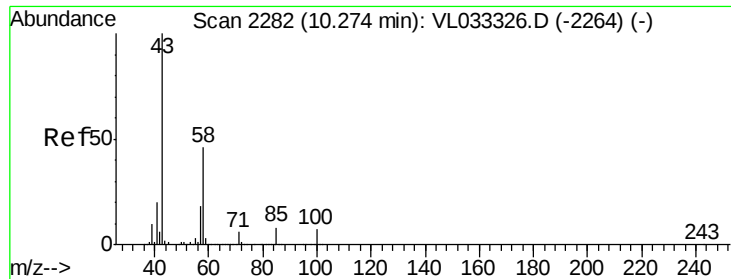
58 35.5 28.4 42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

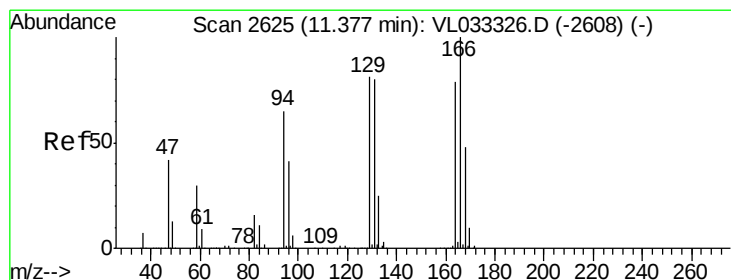
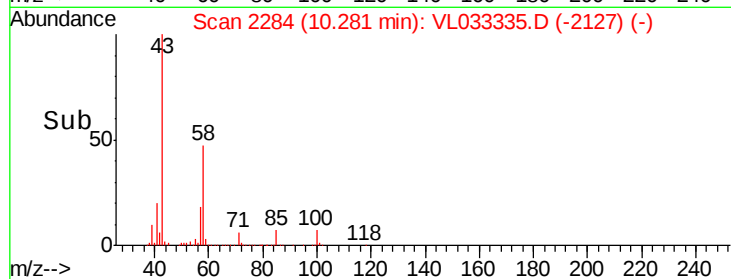
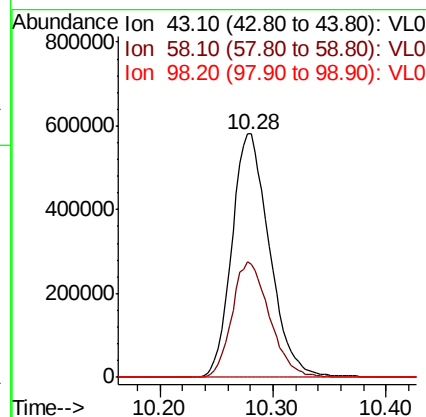
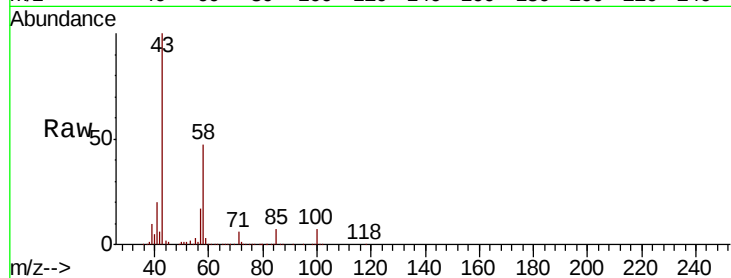




#51
2-Hexanone
Concen: 10.195 ppbv
RT: 10.28 min Scan# 2284
Delta R.T. 0.01 min
Lab File: VL033335.D
Acq: 15 Mar 2019 17:41

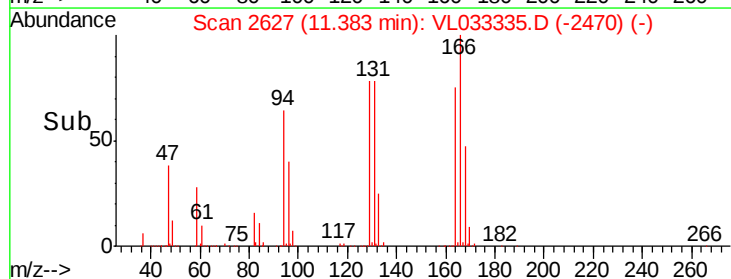
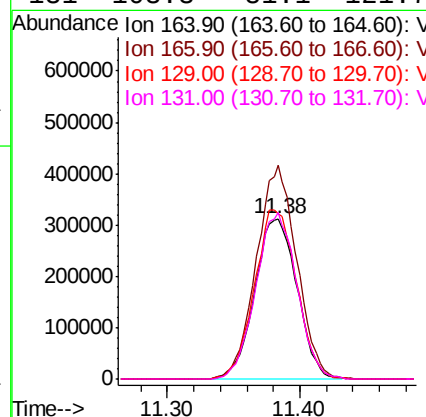
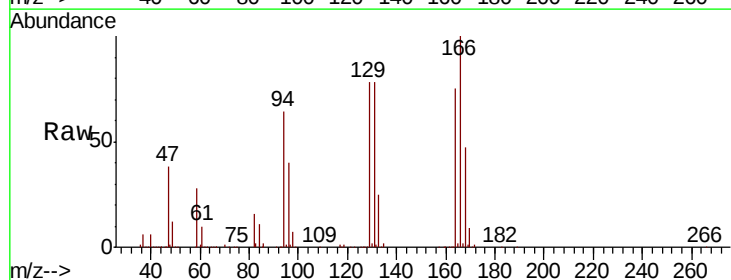
Instrument :
MSVOA_L
ClientSampled :

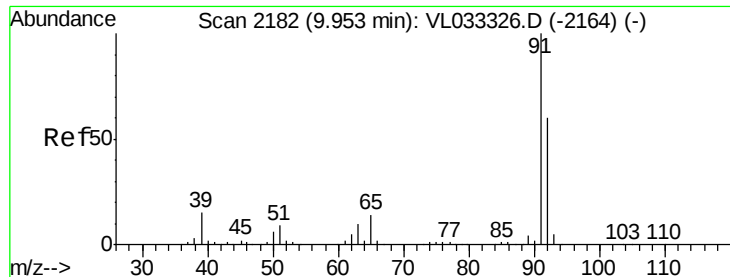
Tot Ion: 43 Resp: 1338106
Ion Ratio Lower Upper
43 100
58 47.6 38.0 57.0
98 0.3 0.1 0.1#



#52
Tetrachloroethene
Concen: 10.088 ppbv
RT: 11.38 min Scan# 2627
Delta R.T. 0.01 min
Lab File: VL033335.D
Acq: 15 Mar 2019 17:41

Tgt Ion:164 Resp: 689799
Ion Ratio Lower Upper
164 100
166 133.0 101.5 152.3
129 103.2 82.2 123.2
131 103.3 81.1 121.7





#53

Toluene

Concen: 10.333 ppbv

RT: 9.96 min Scan# 2183

Delta R.T. 0.00 min

Lab File: VL033335.D

Acq: 15 Mar 2019 17:41

Instrument :

MSVOA_L

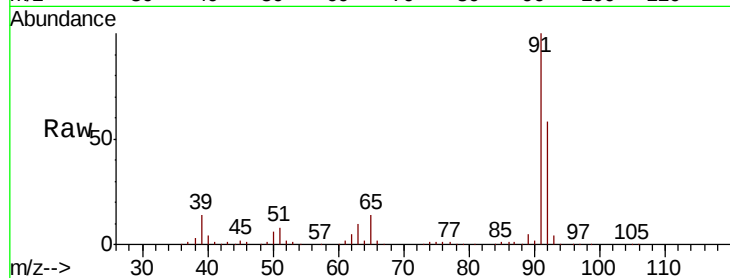
ClientSampleId :

Tot Ion: 91 Resp: 1927058

Ion Ratio Lower Upper

91 100

92 59.6 47.4 71.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

9.96

1000000

800000

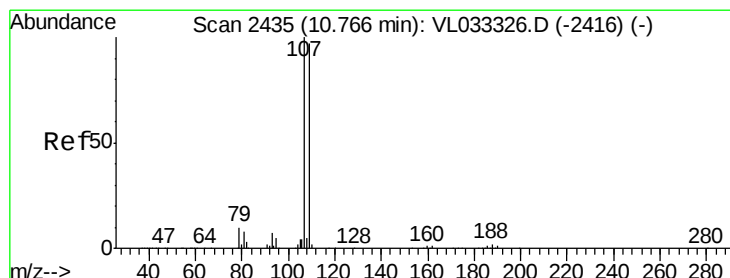
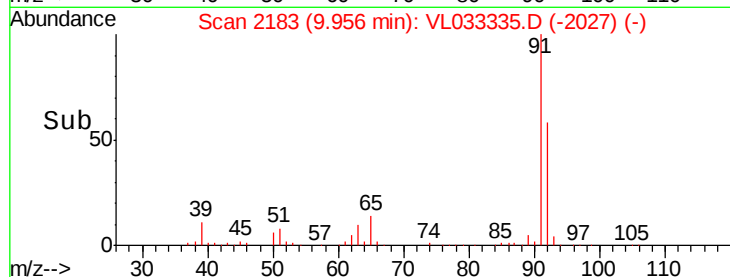
600000

400000

200000

0

Time-->



#54

1,2-Dibromoethane

Concen: 10.610 ppbv

RT: 10.77 min Scan# 2435

Delta R.T. -0.00 min

Lab File: VL033335.D

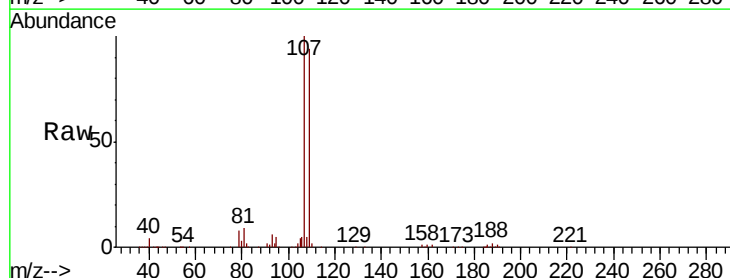
Acq: 15 Mar 2019 17:41

Tgt Ion:107 Resp: 1218062

Ion Ratio Lower Upper

107 100

109 94.2 77.2 115.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

10.77

600000

500000

400000

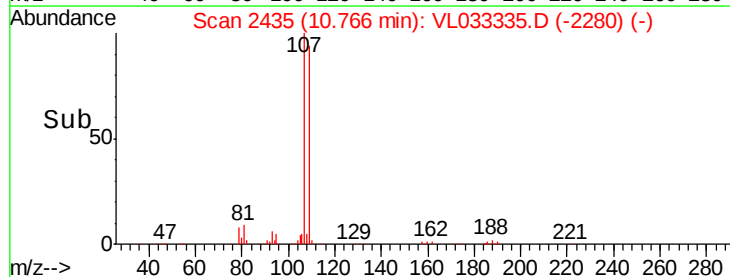
300000

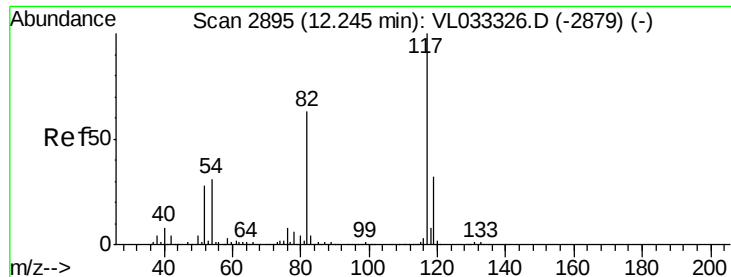
200000

100000

0

Time-->

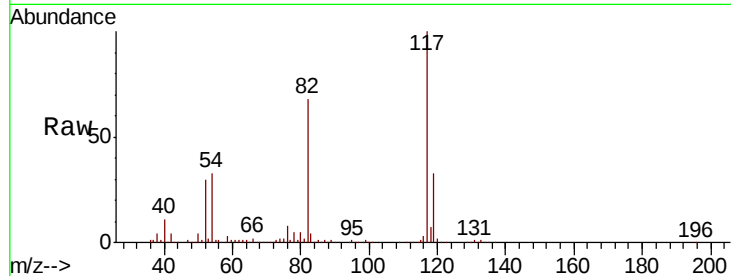




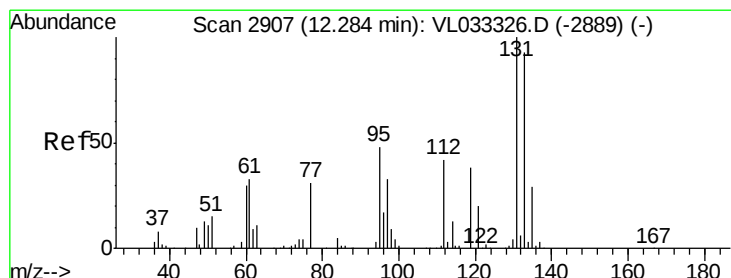
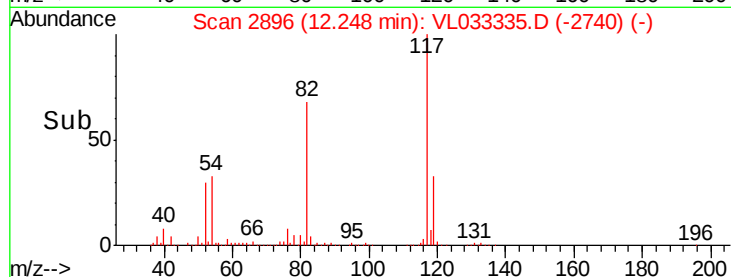
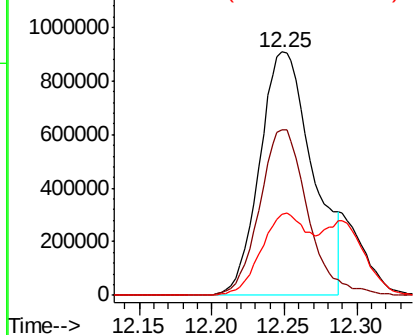
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VL033335.D
Acq: 15 Mar 2019 17:41

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 2306157
Ion Ratio Lower Upper
117 100
82 62.1 53.4 80.2
119 31.8 27.3 40.9

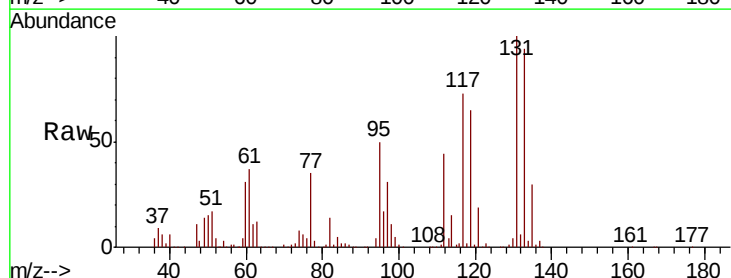


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): V
Ion 119.10 (118.80 to 119.80): V

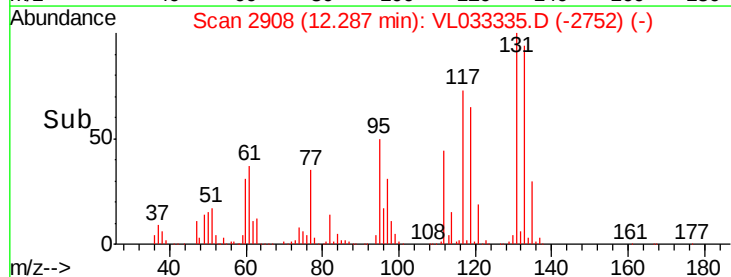
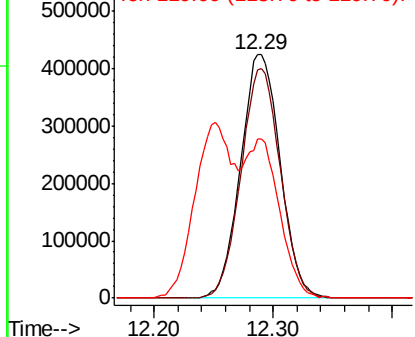


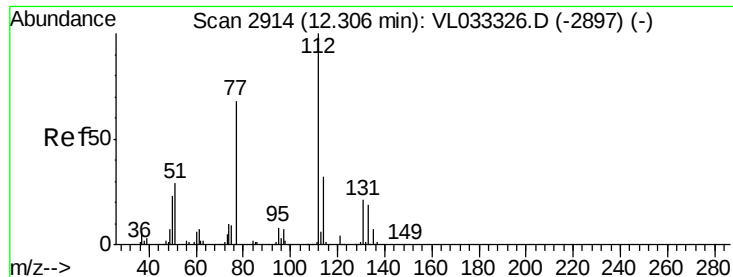
#56
1,1,1,2-Tetrachloroethane
Concen: 9.461 ppbv
RT: 12.29 min Scan# 2908
Delta R.T. 0.00 min
Lab File: VL033335.D
Acq: 15 Mar 2019 17:41

Tgt Ion:131 Resp: 976073
Ion Ratio Lower Upper
131 100
133 94.0 76.7 115.1
119 62.8 40.3 60.5#



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





#57

Chlorobenzene

Concen: 8.897 ppbv

RT: 12.31 min Scan# 2916

Delta R.T. 0.01 min

Lab File: VL033335.D

Acq: 15 Mar 2019 17:41

Instrument :

MSVOA_L

ClientSampleId :

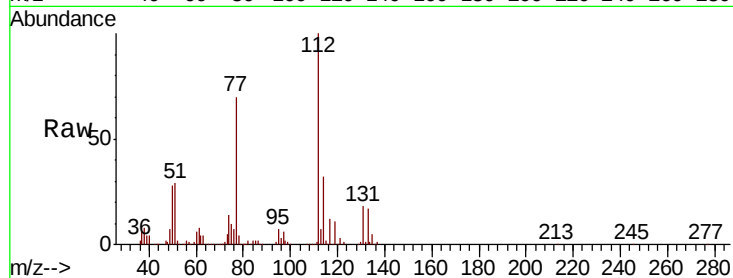
Tot Ion:112 Resp: 1625056

Ion Ratio Lower Upper

112 100

77 70.0 55.8 83.6

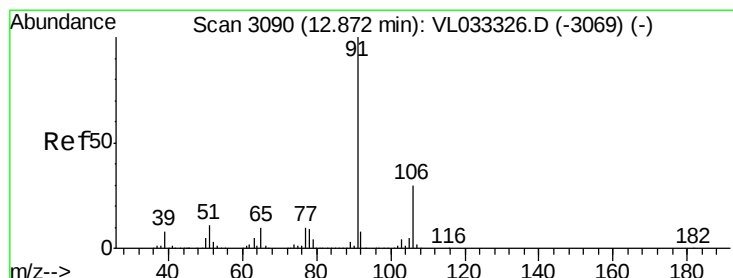
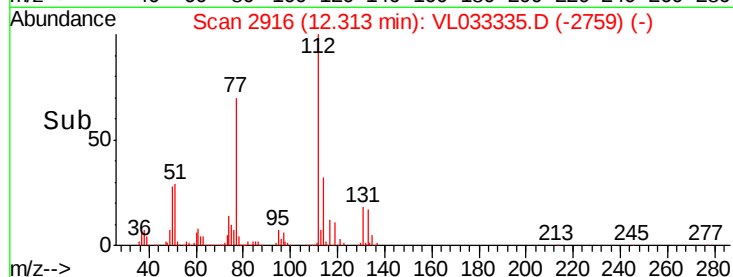
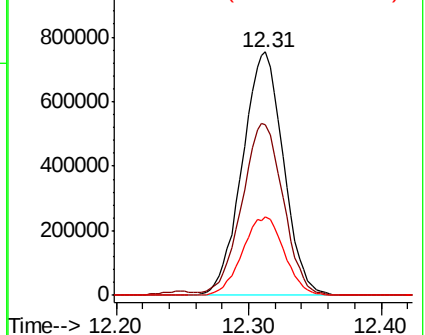
114 32.2 28.6 35.0



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: 9.430 ppbv

RT: 12.87 min Scan# 3090

Delta R.T. -0.00 min

Lab File: VL033335.D

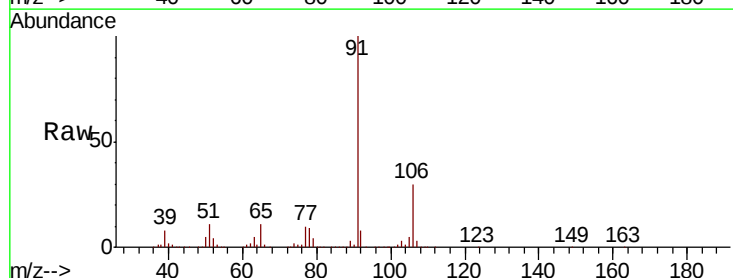
Acq: 15 Mar 2019 17:41

Tgt Ion: 91 Resp: 3076527

Ion Ratio Lower Upper

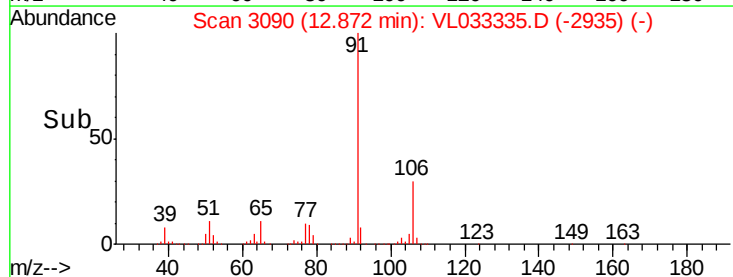
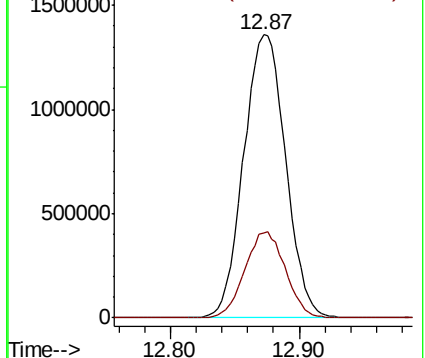
91 100

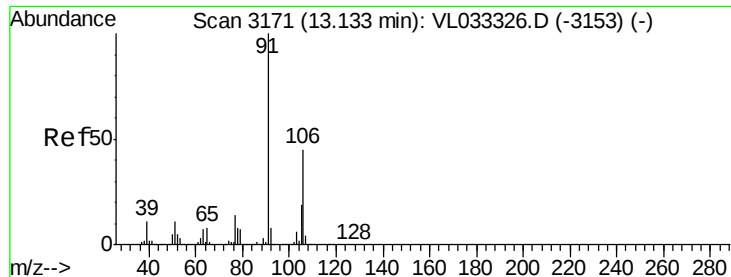
106 29.8 24.2 36.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

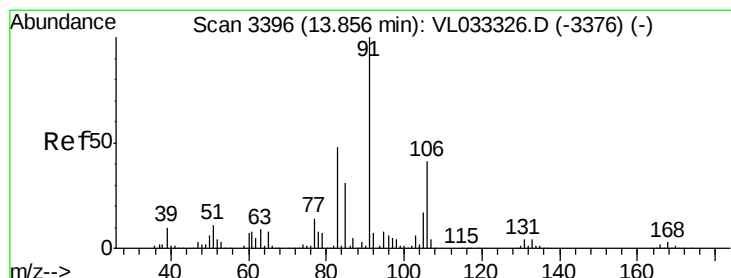
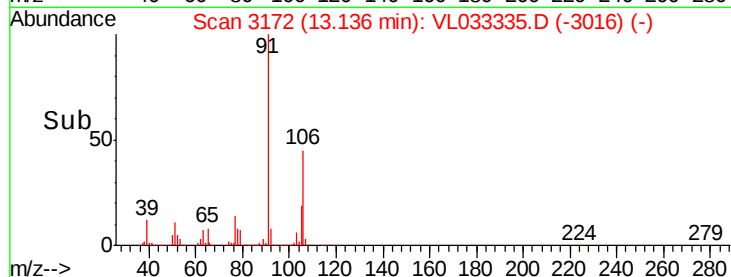
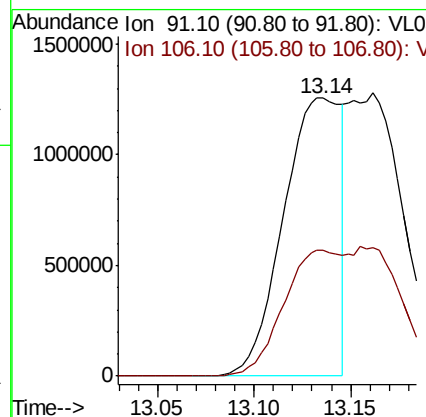
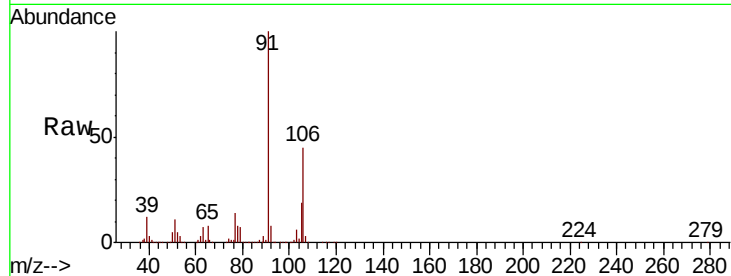




#59
m/p-Xylene
Concen: 9.261 ppbv
RT: 13.14 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VL033335.D
Acq: 15 Mar 2019 17:41

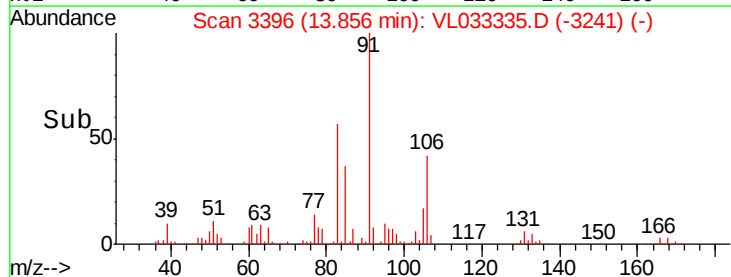
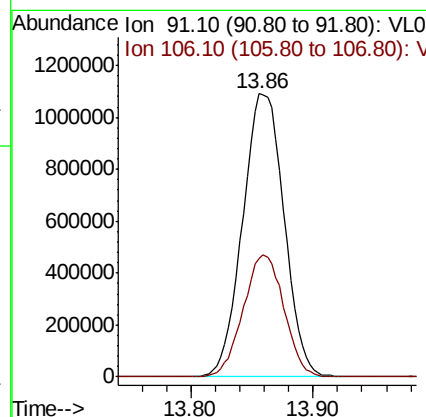
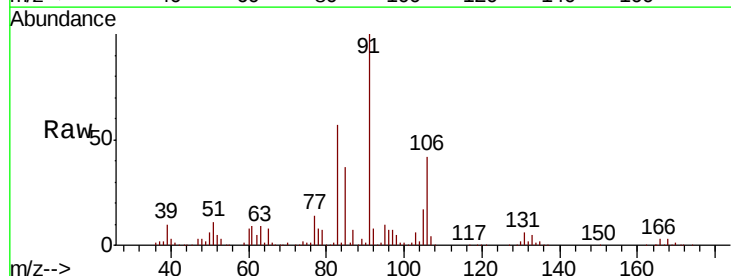
Instrument :
MSVOA_L
ClientSampled :

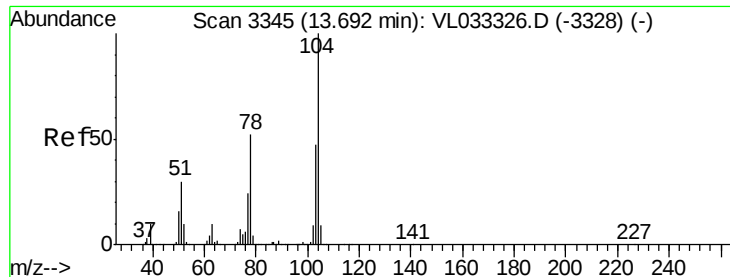
Tot Ion: 91 Resp: 2596496
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0



#60
o-Xylene
Concen: 9.351 ppbv
RT: 13.86 min Scan# 3396
Delta R.T. -0.00 min
Lab File: VL033335.D
Acq: 15 Mar 2019 17:41

Tgt Ion: 91 Resp: 2557654
Ion Ratio Lower Upper
91 100
106 42.6 21.3 63.9

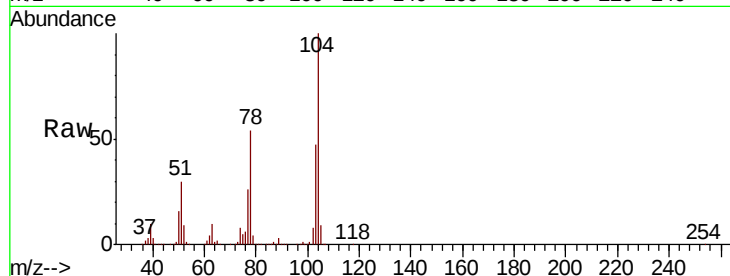




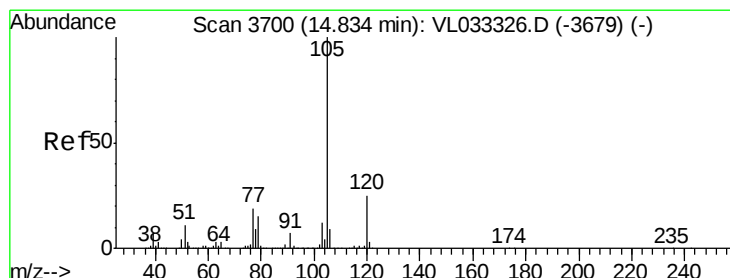
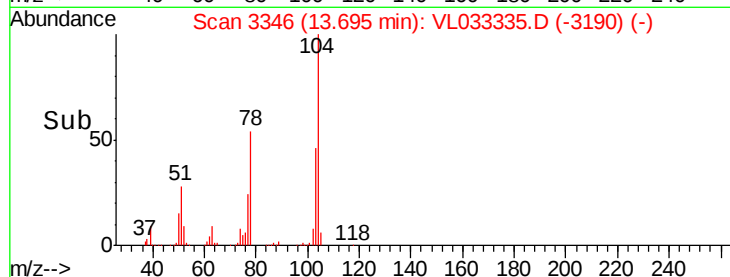
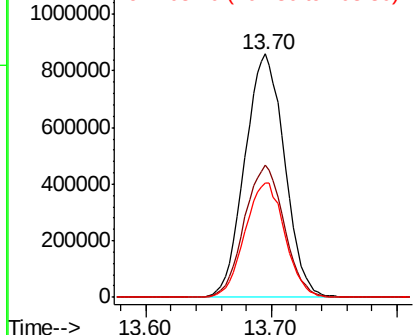
#61
Stvrene
Concen: 9.898 ppbv
RT: 13.70 min Scan# 3346
Delta R.T. 0.00 min
Lab File: VL033335.D
Acq: 15 Mar 2019 17:41

Instrument :
MSVOA_L
ClientSampled :

Tot Ion:104 Resp: 1895460
Ion Ratio Lower Upper
104 100
78 54.1 42.7 64.1
103 47.4 38.0 57.0

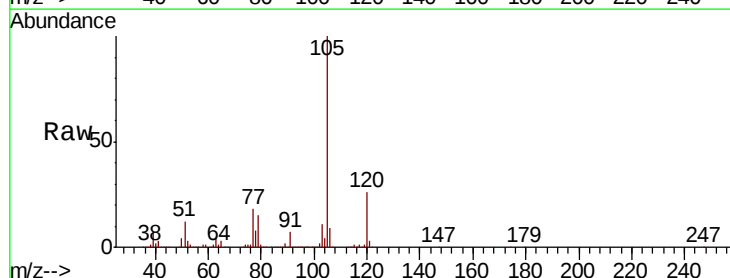


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V

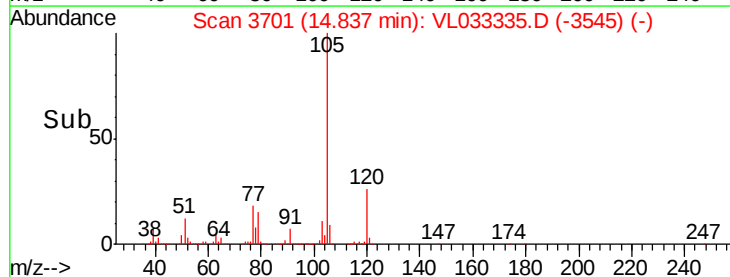
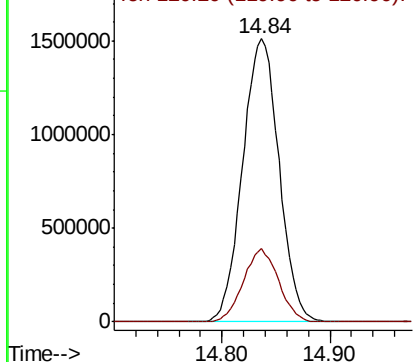


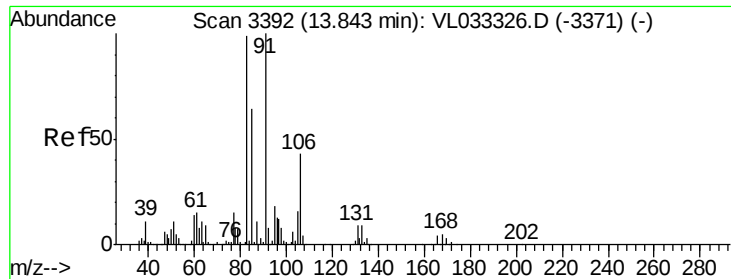
#62
Isopropylbenzene
Concen: 9.324 ppbv
RT: 14.84 min Scan# 3701
Delta R.T. 0.00 min
Lab File: VL033335.D
Acq: 15 Mar 2019 17:41

Tgt Ion:105 Resp: 3545642
Ion Ratio Lower Upper
105 100
120 25.1 19.9 29.9



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V

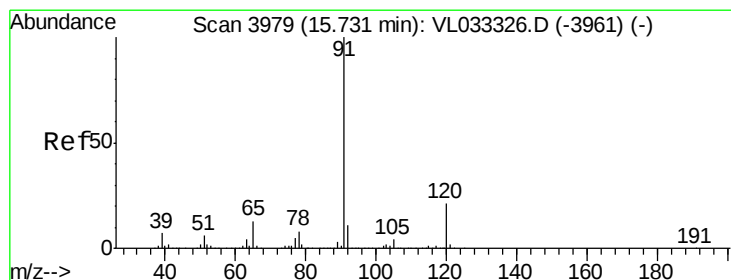
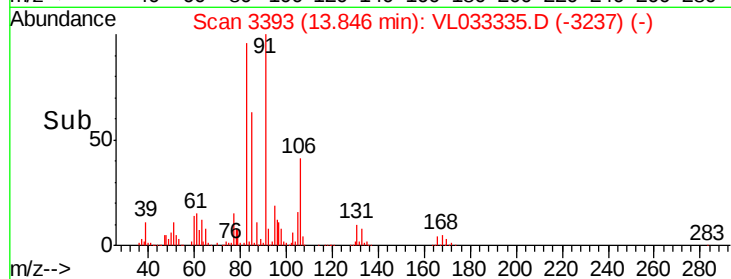
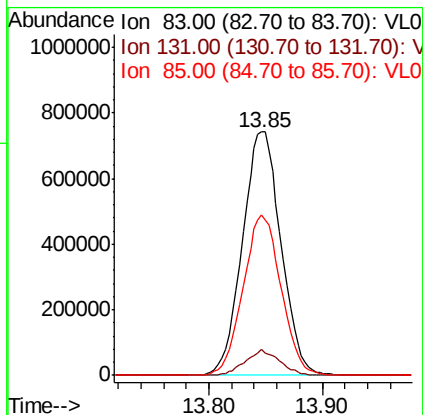
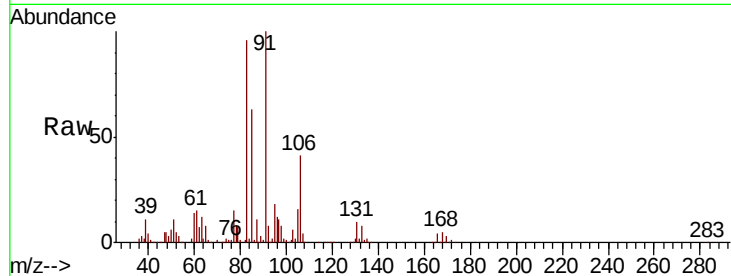




#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.885 ppbv
 RT: 13.85 min Scan# 3393
 Delta R.T. 0.00 min
 Lab File: VL033335.D
 Acq: 15 Mar 2019 17:41

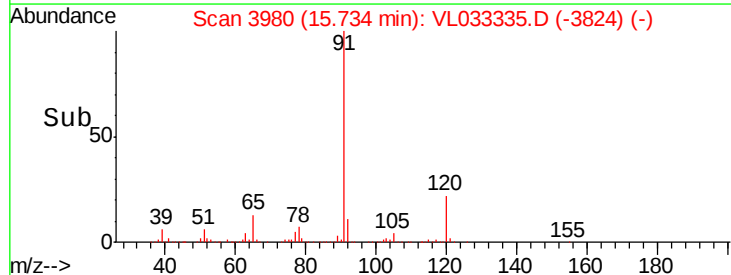
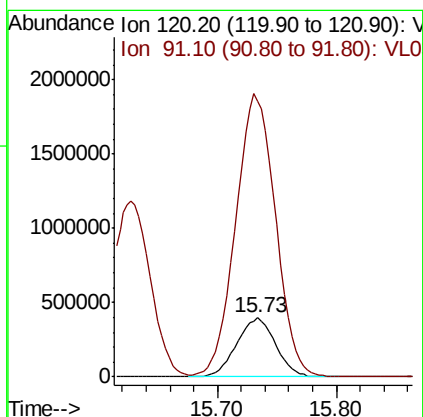
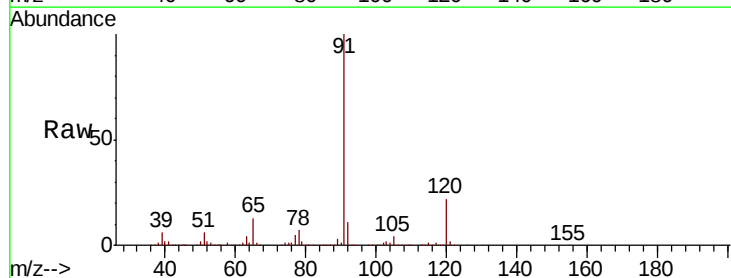
Instrument :
 MSVOA_L
 ClientSampleId :

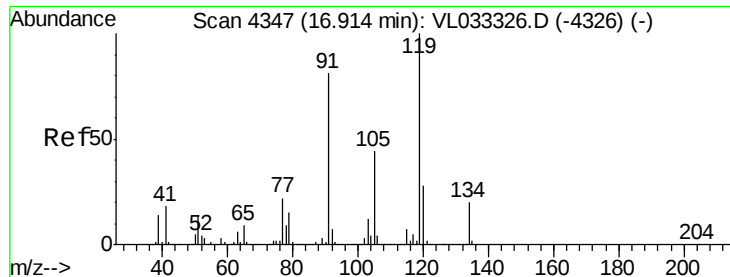
Tot Ion: 83 Resp: 1756813
 Ion Ratio Lower Upper
 83 100
 131 9.4 4.7 14.0
 85 65.0 32.5 97.4



#64
 n-propylbenzene
 Concen: 9.352 ppbv
 RT: 15.73 min Scan# 3980
 Delta R.T. 0.00 min
 Lab File: VL033335.D
 Acq: 15 Mar 2019 17:41

Tgt Ion:120 Resp: 899895
 Ion Ratio Lower Upper
 120 100
 91 491.8 389.8 584.6

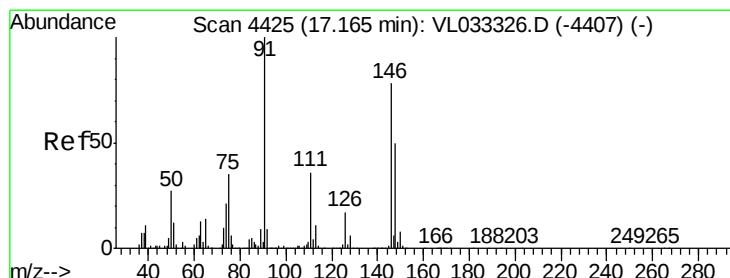
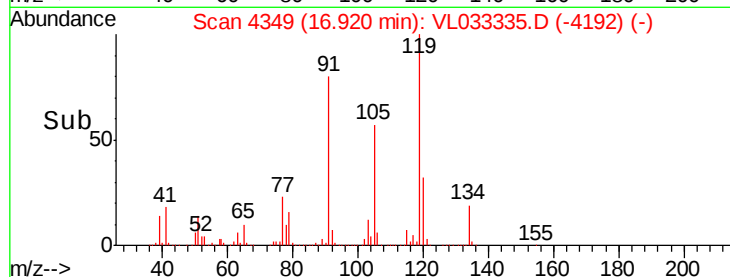
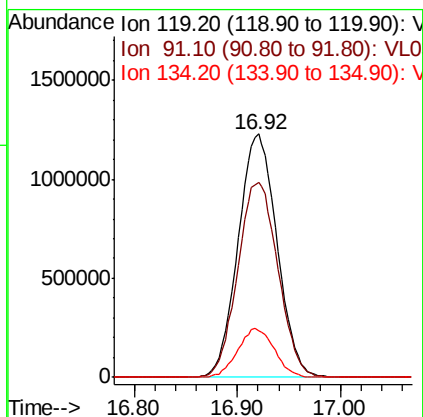
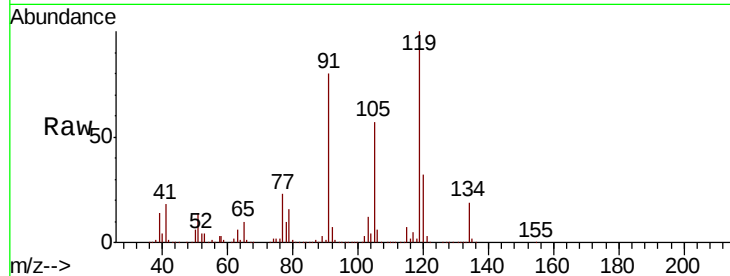




#65
tert-Butylbenzene
Concen: 9.371 ppbv
RT: 16.92 min Scan# 4349
Delta R.T. 0.01 min
Lab File: VL033335.D
Acq: 15 Mar 2019 17:41

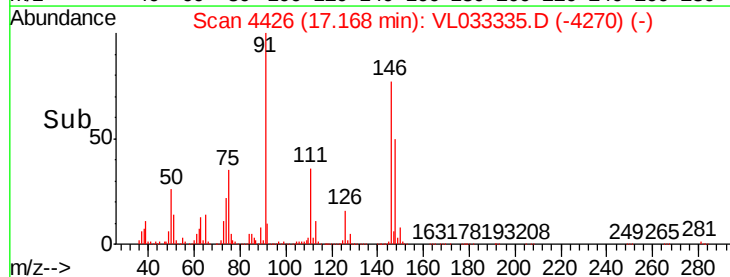
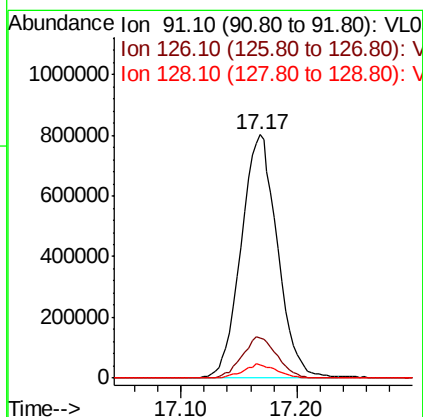
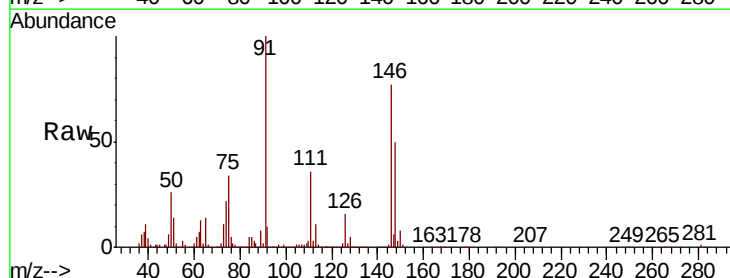
Instrument :
MSVOA_L
ClientSampleId :

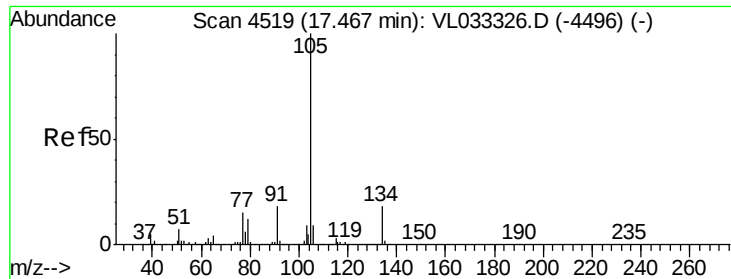
Tot Ion:119 Resp: 3208056
Ion Ratio Lower Upper
119 100
91 83.1 67.2 100.8
134 19.0 15.4 23.2



#66
Benzyl Chloride
Concen: 12.293 ppbv
RT: 17.17 min Scan# 4426
Delta R.T. 0.00 min
Lab File: VL033335.D
Acq: 15 Mar 2019 17:41

Tgt Ion: 91 Resp: 1739134
Ion Ratio Lower Upper
91 100
126 16.4 13.2 19.8
128 5.3 4.2 6.4





#67

sec-Butylbenzene

Concen: 9.390 ppbv

RT: 17.47 min Scan# 4519

Delta R.T. -0.00 min

Lab File: VL033335.D

Acq: 15 Mar 2019 17:41

Instrument :

MSVOA_L

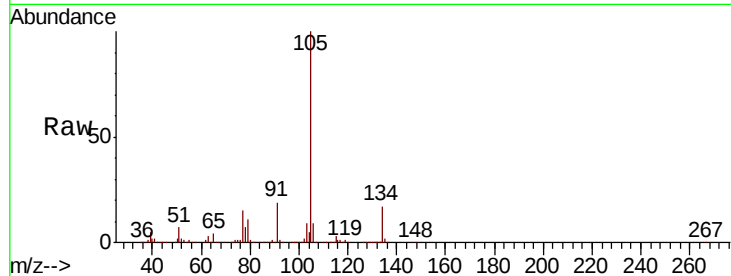
ClientSampleId :

Tot Ion:105 Resp: 4555104

Ion Ratio Lower Upper

105 100

134 17.8 14.2 21.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.47

2000000

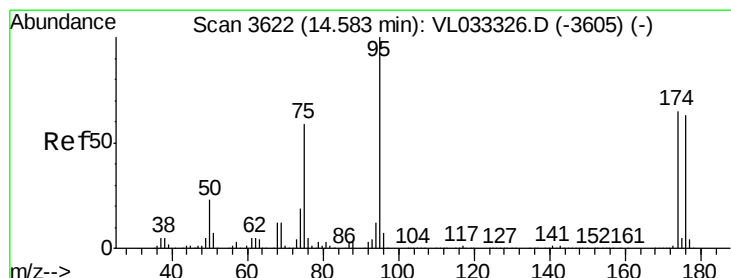
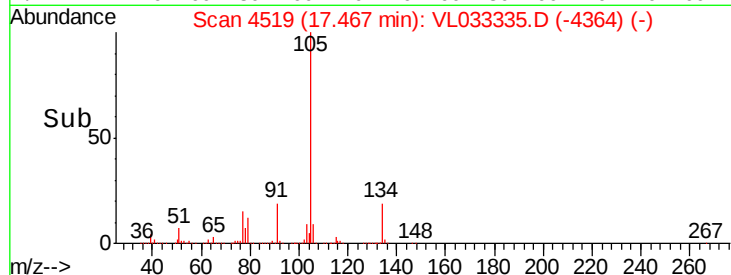
1500000

1000000

500000

0

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 9.390 ppbv

RT: 14.59 min Scan# 3624

Delta R.T. 0.01 min

Lab File: VL033335.D

Acq: 15 Mar 2019 17:41

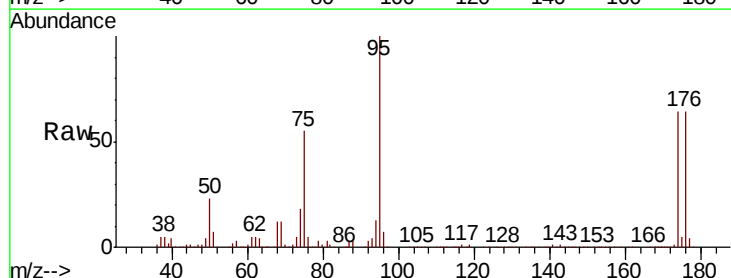
Tgt Ion: 95 Resp: 1604565

Ion Ratio Lower Upper

95 100

174 64.7 51.5 77.3

175 4.6 3.8 5.6



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

800000

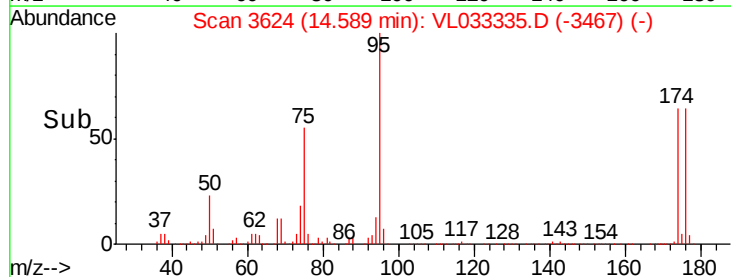
600000

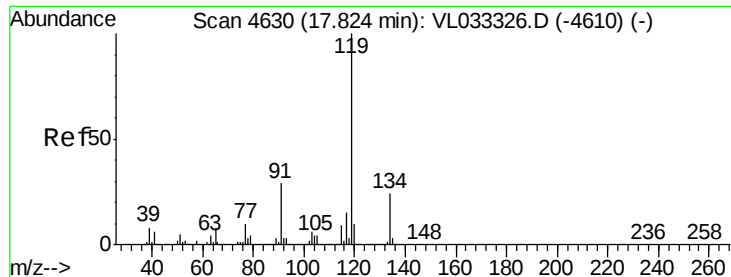
400000

200000

0

Time-->

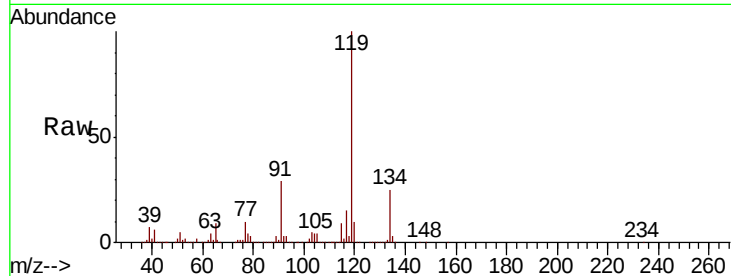




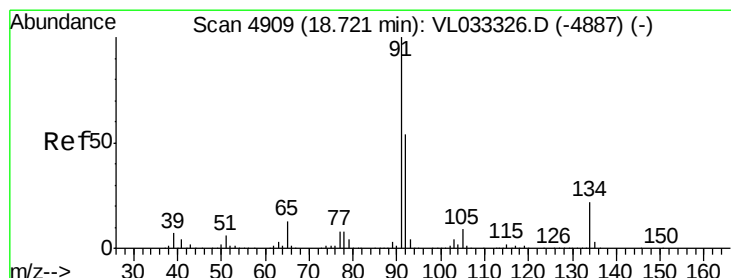
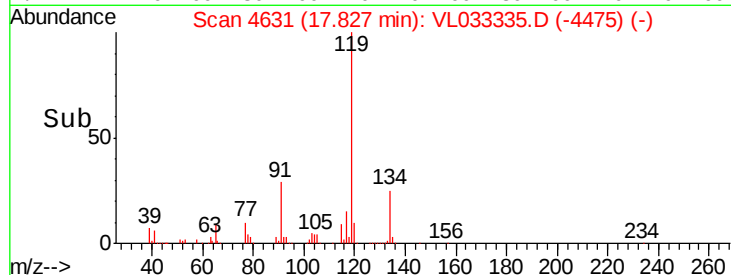
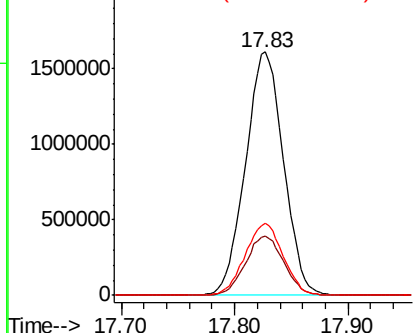
#69
 p-Isopropyltoluene
 Concen: 9.498 ppbv
 RT: 17.83 min Scan# 4631
 Delta R.T. 0.00 min
 Lab File: VL033335.D
 Acq: 15 Mar 2019 17:41

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 119 Resp: 3764391
 Ion Ratio Lower Upper
 119 100
 134 24.6 19.8 29.6
 91 29.7 23.4 35.2

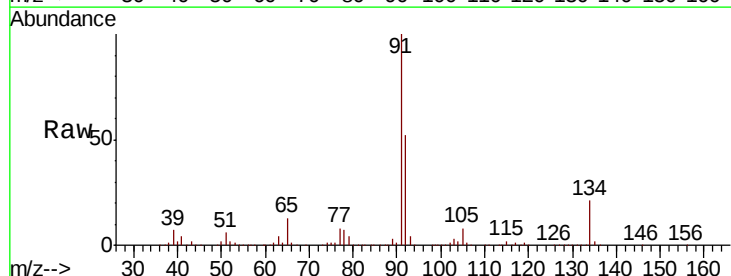


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

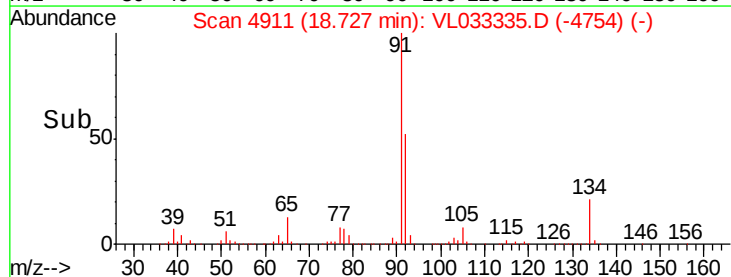
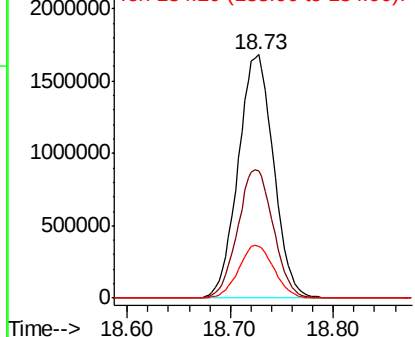


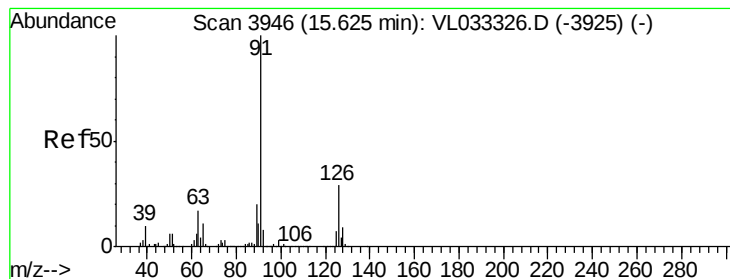
#70
 n-Butylbenzene
 Concen: 9.453 ppbv
 RT: 18.73 min Scan# 4911
 Delta R.T. 0.01 min
 Lab File: VL033335.D
 Acq: 15 Mar 2019 17:41

Tgt Ion: 91 Resp: 3994831
 Ion Ratio Lower Upper
 91 100
 92 53.3 42.8 64.2
 134 21.8 17.4 26.0



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

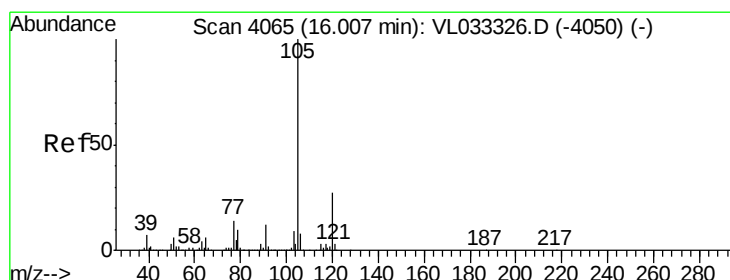
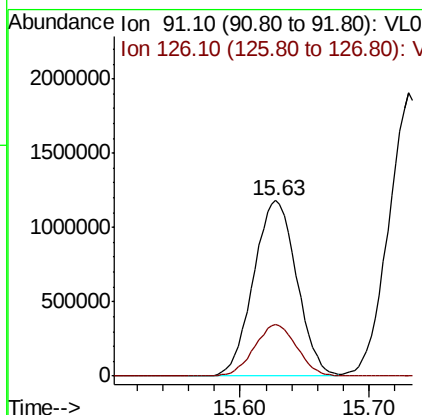
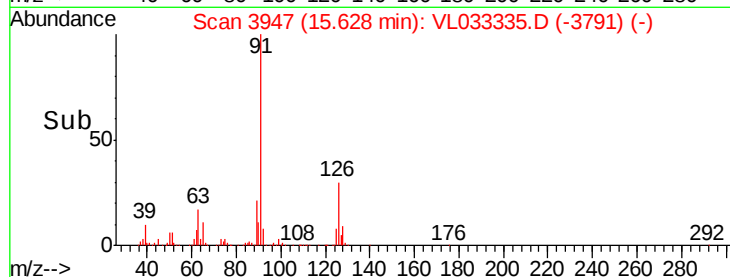
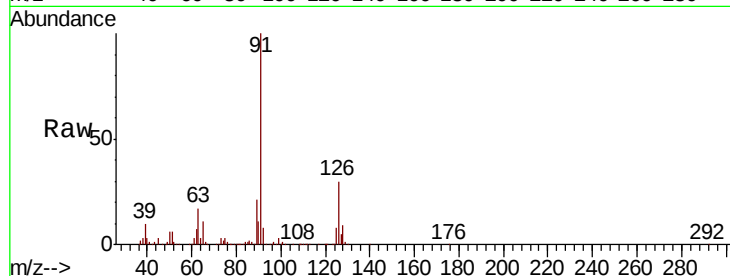




#71
 2-Chlorotoluene
 Concen: 9.334 ppbv
 RT: 15.63 min Scan# 3947
 Delta R.T. 0.00 min
 Lab File: VL033335.D
 Acq: 15 Mar 2019 17:41

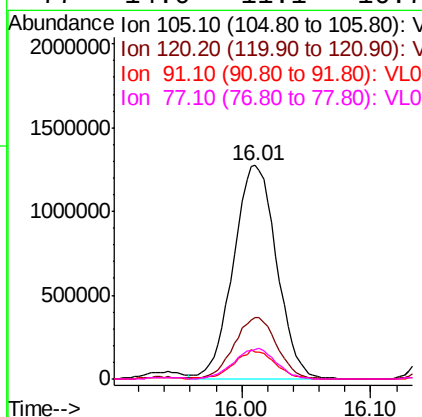
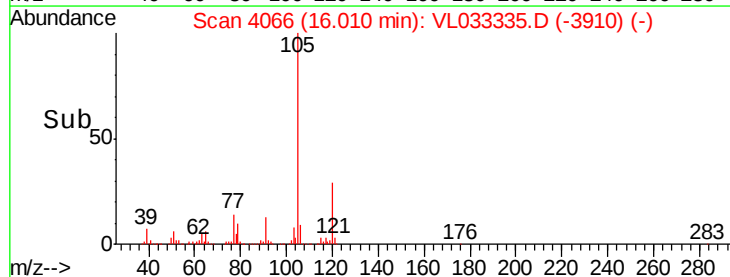
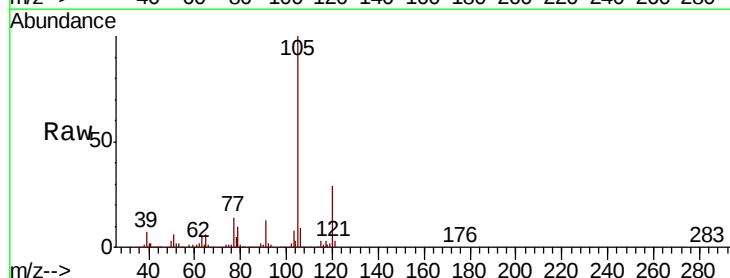
Instrument :
 MSVOA_L
 ClientSampleId :

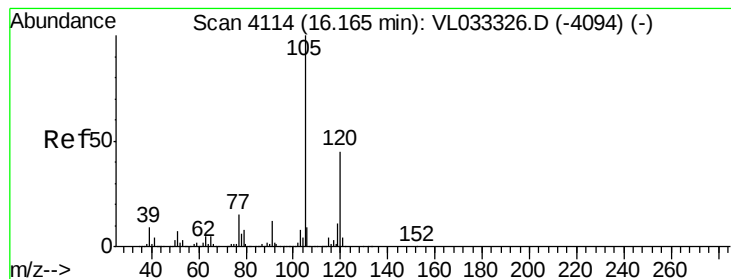
Tot Ion: 91 Resp: 2762976
 Ion Ratio Lower Upper
 91 100
 126 29.0 11.6 46.6



#72
 4-Ethyltoluene
 Concen: 9.534 ppbv
 RT: 16.01 min Scan# 4066
 Delta R.T. 0.00 min
 Lab File: VL033335.D
 Acq: 15 Mar 2019 17:41

Tgt Ion:105 Resp: 2961476
 Ion Ratio Lower Upper
 105 100
 120 28.5 22.9 34.3
 91 12.8 10.2 15.2
 77 14.0 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 9.346 ppbv

RT: 16.17 min Scan# 4115

Delta R.T. 0.00 min

Lab File: VL033335.D

Acq: 15 Mar 2019 17:41

Instrument :

MSVOA_L

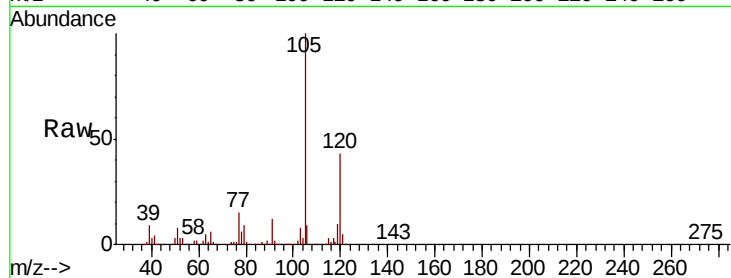
ClientSampled :

Tot Ion:105 Resp: 2827926

Ion Ratio Lower Upper

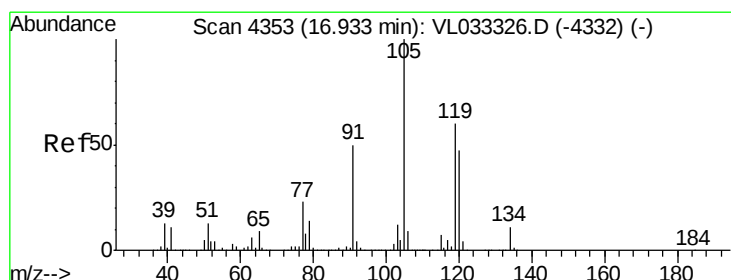
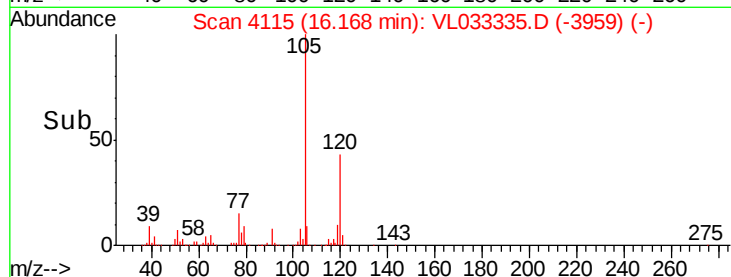
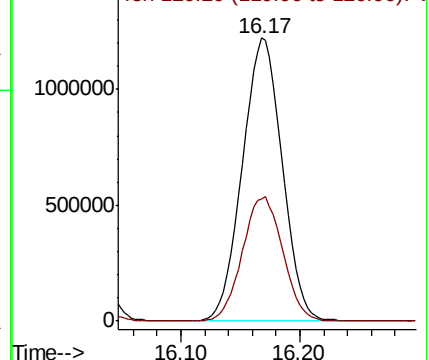
105 100

120 43.2 36.2 54.4



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: 9.188 ppbv

RT: 16.94 min Scan# 4354

Delta R.T. 0.00 min

Lab File: VL033335.D

Acq: 15 Mar 2019 17:41

Tgt Ion:105 Resp: 2944466

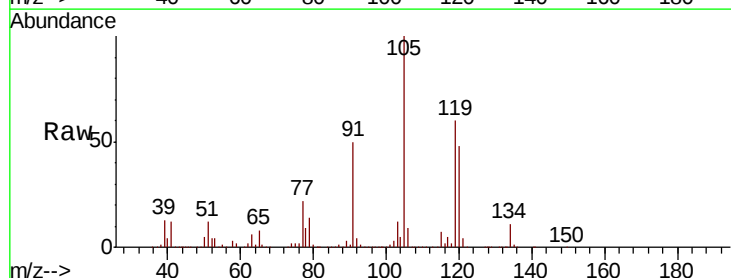
Ion Ratio Lower Upper

105 100

120 47.7 37.4 56.2

91 49.5 41.0 61.4

77 22.1 18.5 27.7

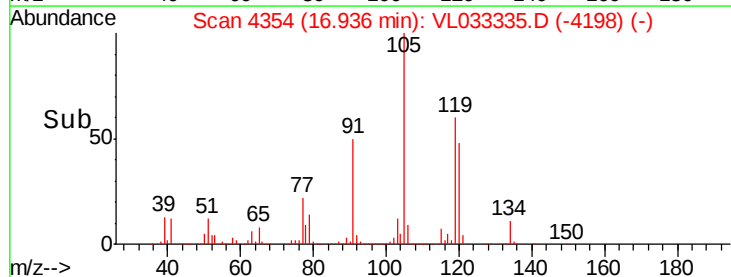
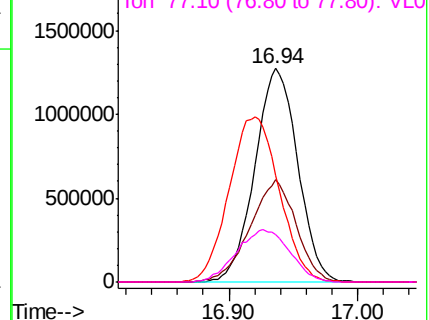


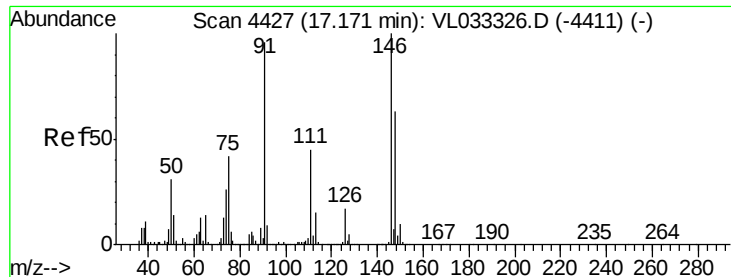
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 8.965 ppbv

RT: 17.17 min Scan# 4428

Delta R.T. 0.00 min

Lab File: VL033335.D

Acq: 15 Mar 2019 17:41

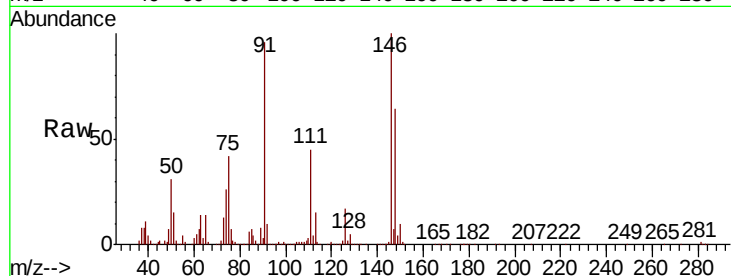
Instrument :

MSVOA_L

ClientSampled :

Tot Ion:146 Resp: 1693275

Ion	Ratio	Lower	Upper
146	100		
111	46.2	22.8	68.3
148	64.5	31.9	95.7

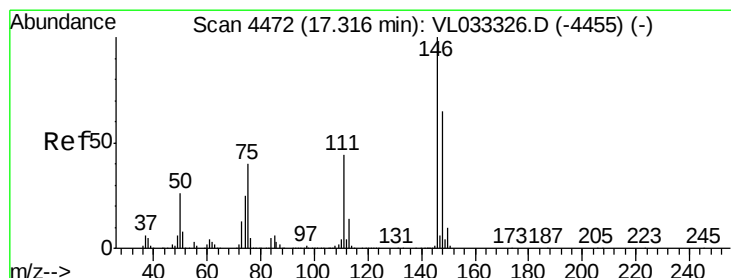
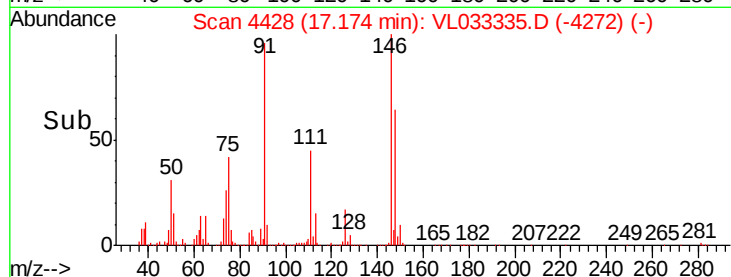
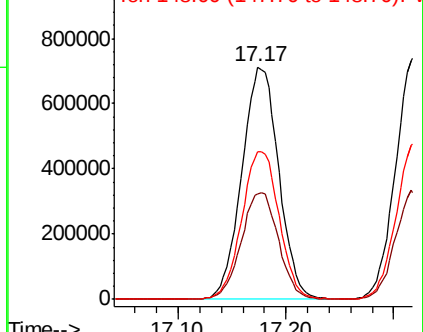


Abundance

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: 9.238 ppbv

RT: 17.32 min Scan# 4473

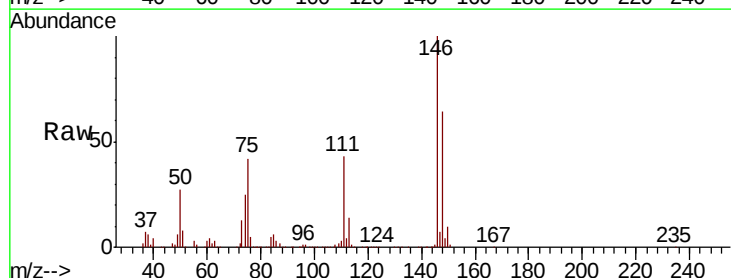
Delta R.T. 0.00 min

Lab File: VL033335.D

Acq: 15 Mar 2019 17:41

Tgt Ion:146 Resp: 1689388

Ion	Ratio	Lower	Upper
146	100		
111	45.3	21.9	65.7
148	64.7	32.1	96.5

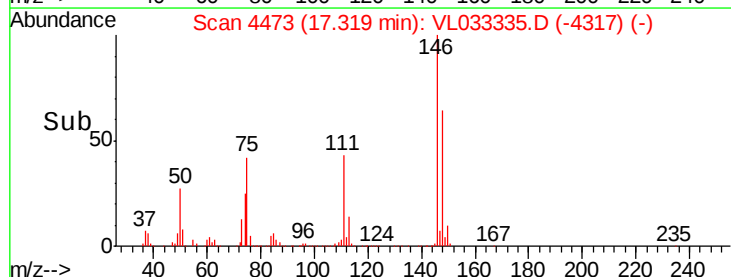
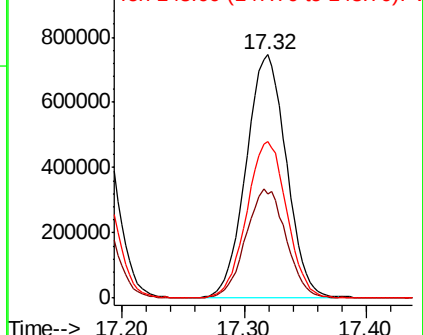


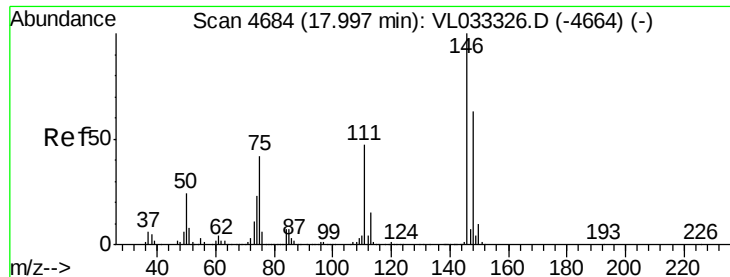
Abundance

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: 9.239 ppbv

RT: 18.00 min Scan# 4685

Delta R.T. 0.00 min

Lab File: VL033335.D

Acq: 15 Mar 2019 17:41

Instrument :

MSVOA_L

ClientSampled :

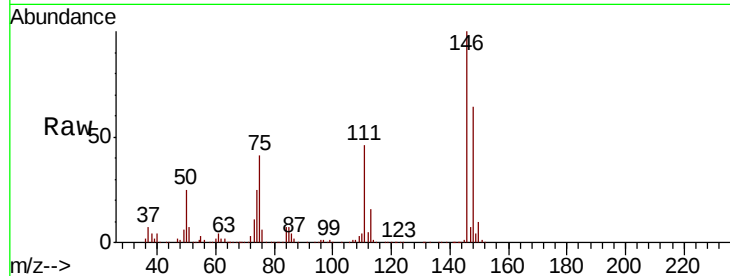
Tot Ion:146 Resp: 1652671

Ion Ratio Lower Upper

146 100

111 47.6 23.5 70.6

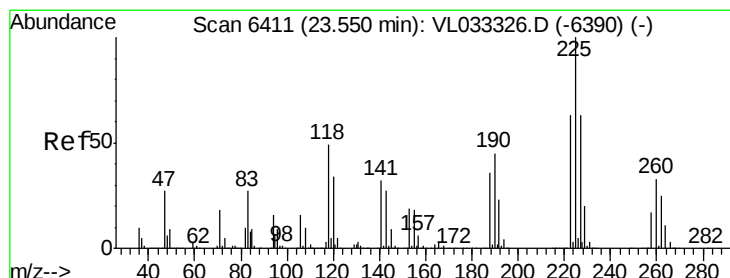
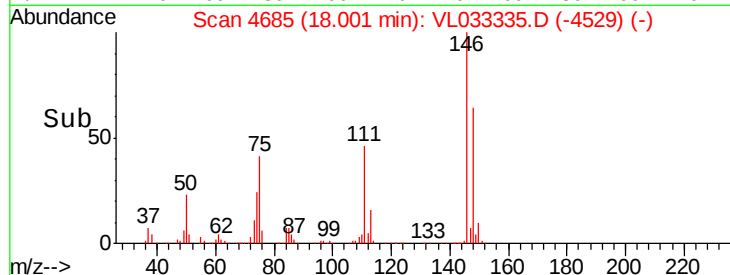
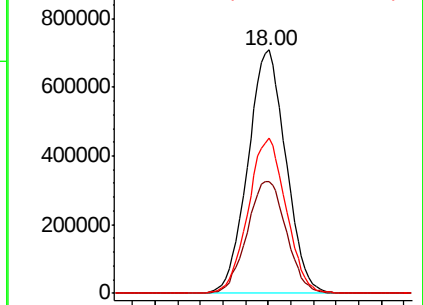
148 63.7 31.9 95.9



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



#78

Hexachloro-1,3-Butadiene

Concen: 8.062 ppbv

RT: 23.55 min Scan# 6411

Delta R.T. -0.00 min

Lab File: VL033335.D

Acq: 15 Mar 2019 17:41

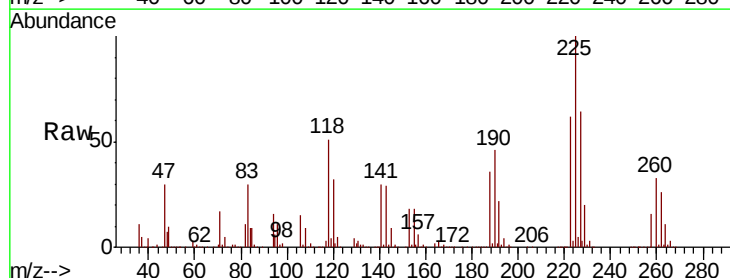
Tgt Ion:225 Resp: 864721

Ion Ratio Lower Upper

225 100

223 62.9 50.4 75.6

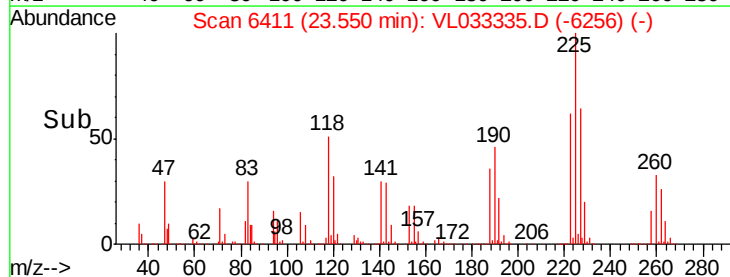
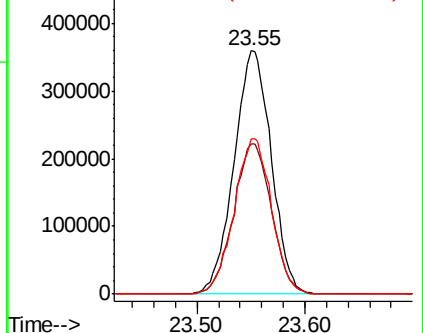
227 64.1 50.5 75.7

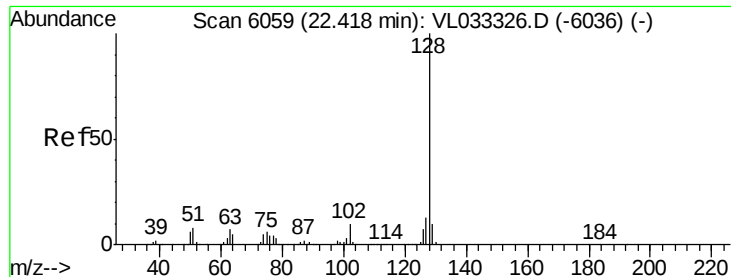


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V

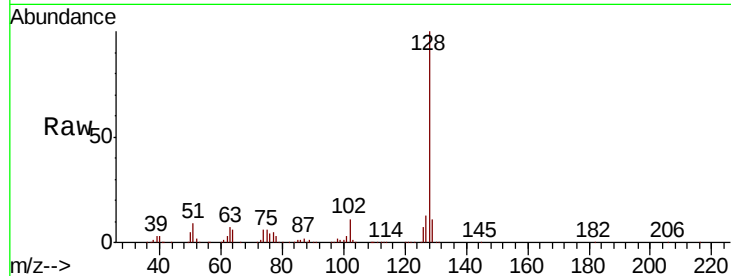




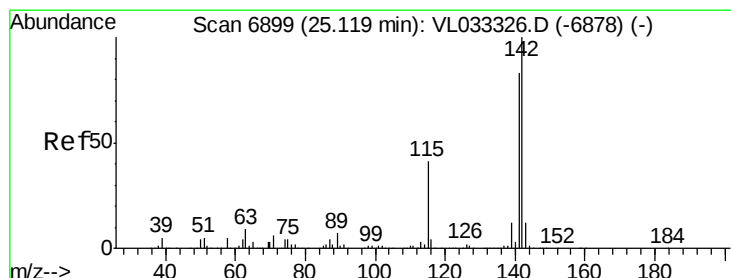
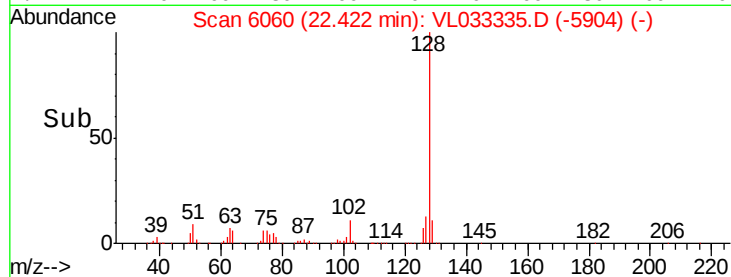
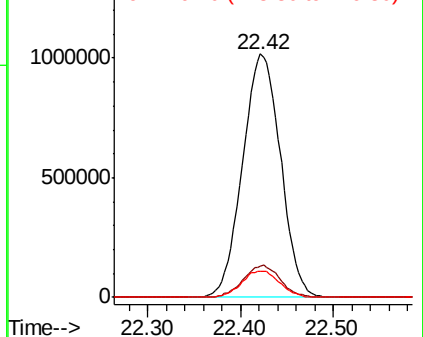
#79
Naphthalene
Concen: 9.376 ppbv
RT: 22.42 min Scan# 6060
Delta R.T. 0.00 min
Lab File: VL033335.D
Acq: 15 Mar 2019 17:41

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:128 Resp: 2895654
Ion Ratio Lower Upper
128 100
127 13.0 10.1 15.1
129 10.7 8.2 12.2

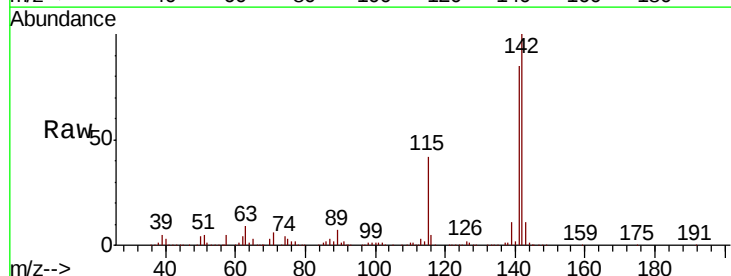


Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V

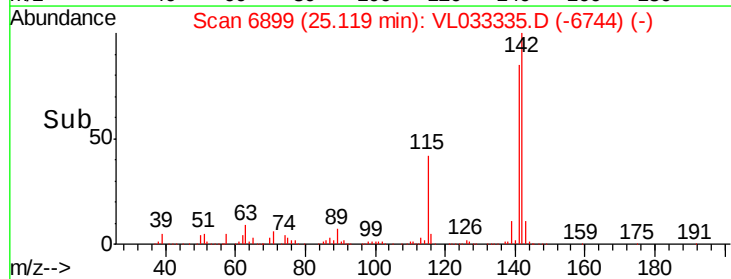
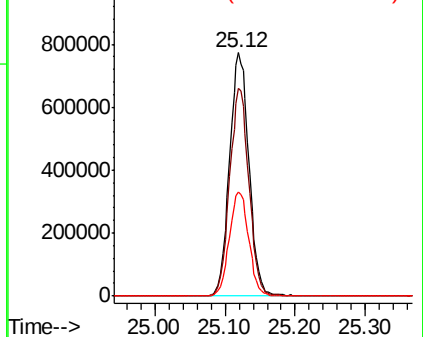


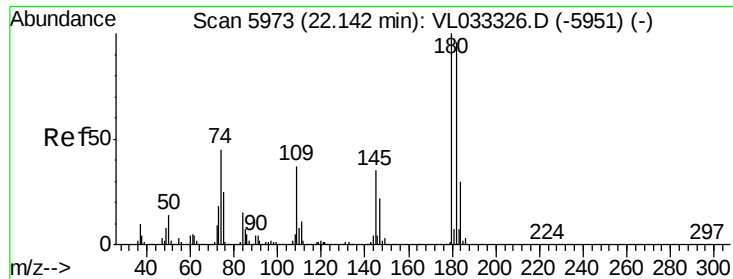
#80
Naphthalene, 2-methyl-
Concen: 10.155 ppbv
RT: 25.12 min Scan# 6899
Delta R.T. -0.00 min
Lab File: VL033335.D
Acq: 15 Mar 2019 17:41

Tgt Ion:142 Resp: 1487051
Ion Ratio Lower Upper
142 100
141 85.0 67.1 100.7
115 43.3 33.8 50.6



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: 9.191 ppbv
 RT: 22.15 min Scan# 5974
 Delta R.T. 0.00 min
 Lab File: VL033335.D
 Acq: 15 Mar 2019 17:41

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 1447387
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.1 114.1
 184 30.5 24.6 37.0

