

Data File : VL033435.D
Acq On : 25 Mar 2019 11:09
Operator : SY/AP
Sample : VSTDIC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Quant Time: Mar 25 11:44:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.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	5.76	49	769064	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1844603	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1919299	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1490412	10.48	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.80%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.08	85	191392	1.415	ppbv	99
3) Chlorodifluoromethane	3.02	51	180629	2.046	ppbv	98
4) Chloromethane	3.17	50	94781	1.983	ppbv	99
5) Vinyl Chloride	3.29	62	95827	1.943	ppbv	95
6) Bromomethane	3.52	94	61375	2.094	ppbv	95
7) Chloroethane	3.60	64	34341	1.993	ppbv	100
8) Dichlorotetrafluoroethane	3.22	85	242387	2.105	ppbv	98
9) Propene	3.04	41	76518	1.942	ppbv	98
10) Heptane	8.25	43	203778	2.085	ppbv	98
11) Trichlorofluoromethane	4.00	101	274185	2.036	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	185518	2.076	ppbv	98
13) Ethanol	3.65	45	13421	0.714	ppbv #	48
14) Bromoethene	3.79	108	75881	2.037	ppbv	100
15) Acetone	3.90	43	199801	1.671	ppbv	98
16) 1,3-Butadiene	3.36	39	81233	2.092	ppbv	92
17) tert-Butyl alcohol	4.36	59	31463	1.870	ppbv	98
18) 1,1-Dichloroethene	4.35	96	79247	1.940	ppbv	98
19) Isopropyl Alcohol	4.03	45	107839	1.896	ppbv #	95
20) Methylene Chloride	4.41	84	80484	2.064	ppbv	96
21) Allyl Chloride	4.48	41	115789	1.997	ppbv	98
22) trans-1,2-Dichloroethene	4.96	96	84374	2.131	ppbv	97
23) Vinyl Acetate	5.16	43	267257	1.932	ppbv	98
24) 1,1-Dichloroethane	5.09	63	202824	2.030	ppbv	100
25) Ethyl Acetate	5.77	43	356099	2.049	ppbv	99
26) Hexane	5.78	57	162608	2.093	ppbv	98
27) Carbon Disulfide	4.62	76	182998	2.046	ppbv	99
28) Methyl tert-Butyl Ether	5.12	73	229688	1.990	ppbv	100
29) Chloroform	5.85	83	269499	2.118	ppbv	99
30) Cyclohexane	7.25	84	124935	2.006	ppbv	87
31) cis-1,2-Dichloroethene	5.64	61	157313	2.025	ppbv	98
32) 1,1,1-Trichloroethane	6.62	97	262692	2.103	ppbv	100
34) 2-Butanone	5.33	43	225125	1.858	ppbv	98
35) Carbon Tetrachloride	7.14	117	265331	2.040	ppbv	99
36) Benzene	7.00	78	311732	1.888	ppbv	97
37) 1,2-Dichloroethane	6.41	62	204057	1.955	ppbv	100
38) Trichloroethene	7.96	130	125660	2.012	ppbv	93
39) 1,2-Dichloropropane	7.73	63	124715	2.017	ppbv	97
40) 1,4-Dioxane	7.97	88	21543	0.990	ppbv #	1
41) Tetrahydrofuran	6.16	42	122430	1.894	ppbv	98
42) Bromodichloromethane	7.91	83	285294	2.039	ppbv	94
43) Methyl Methacrylate	8.14	69	127229	1.979	ppbv	100

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ClientSampleId :
VSTDICC002

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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	7.99	57	568296	2.078	ppbv	99
45) t-1,3-Dichloropropene	9.42	75	151677	1.911	ppbv	94
46) cis-1,3-Dichloropropene	8.83	75	180305	1.930	ppbv	94
47) 1,1,2-Trichloroethane	9.62	97	68121	0.997	ppbv	95
48) Dibromochloromethane	10.45	129	232870	2.033	ppbv	99
49) Bromoform	13.20	173	207633	1.911	ppbv	100
50) 4-Methyl-2-Pentanone	8.87	43	334796	1.957	ppbv	100
51) 2-Hexanone	10.28	43	247887	1.878	ppbv #	100
52) Tetrachloroethene	11.37	164	124435	1.809	ppbv	97
53) Toluene	9.95	91	371711	1.982	ppbv	99
54) 1,2-Dibromoethane	10.76	107	213983	1.853	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.28	131	176798	2.059	ppbv #	1
57) Chlorobenzene	12.30	112	306212	2.014	ppbv	93
58) Ethyl Benzene	12.86	91	537370	1.979	ppbv	99
59) m/p-Xylene	13.13	91	484290	2.076	ppbv #	100
60) o-Xylene	13.85	91	465392	2.044	ppbv	99
61) Styrene	13.69	104	318203	1.996	ppbv	99
62) Isopropylbenzene	14.82	105	648744	2.050	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.84	83	333123	2.024	ppbv	99
64) n-propylbenzene	15.72	120	161110	2.012	ppbv	99
65) tert-Butylbenzene	16.91	119	576750	2.024	ppbv	100
66) Benzyl Chloride	17.16	91	244983	2.081	ppbv	99
67) sec-Butylbenzene	17.46	105	820434	2.032	ppbv	100
69) p-Isopropyltoluene	17.81	119	668306	2.026	ppbv	98
70) n-Butylbenzene	18.71	91	713225	2.028	ppbv	100
71) 2-Chlorotoluene	15.62	91	487778	1.980	ppbv	100
72) 4-Ethyltoluene	16.00	105	525369	2.032	ppbv	99
73) 1,3,5-Trimethylbenzene	16.16	105	482662	1.917	ppbv	95
74) 1,2,4-Trimethylbenzene	16.93	105	523802	1.964	ppbv	93
75) 1,3-Dichlorobenzene	17.16	146	325759	2.072	ppbv	99
76) 1,4-Dichlorobenzene	17.31	146	311915	2.049	ppbv	99
77) 1,2-Dichlorobenzene	17.99	146	308595	2.073	ppbv	99
78) Hexachloro-1,3-Butadiene	23.54	225	84762	0.950	ppbv #	8
79) Naphthalene	22.42	128	443881	1.727	ppbv	98
80) Naphthalene,2-methyl-	25.12	142	128719	1.056	ppbv	98
81) 1,2,4-Trichlorobenzene	22.13	180	120290	0.918	ppbv #	12

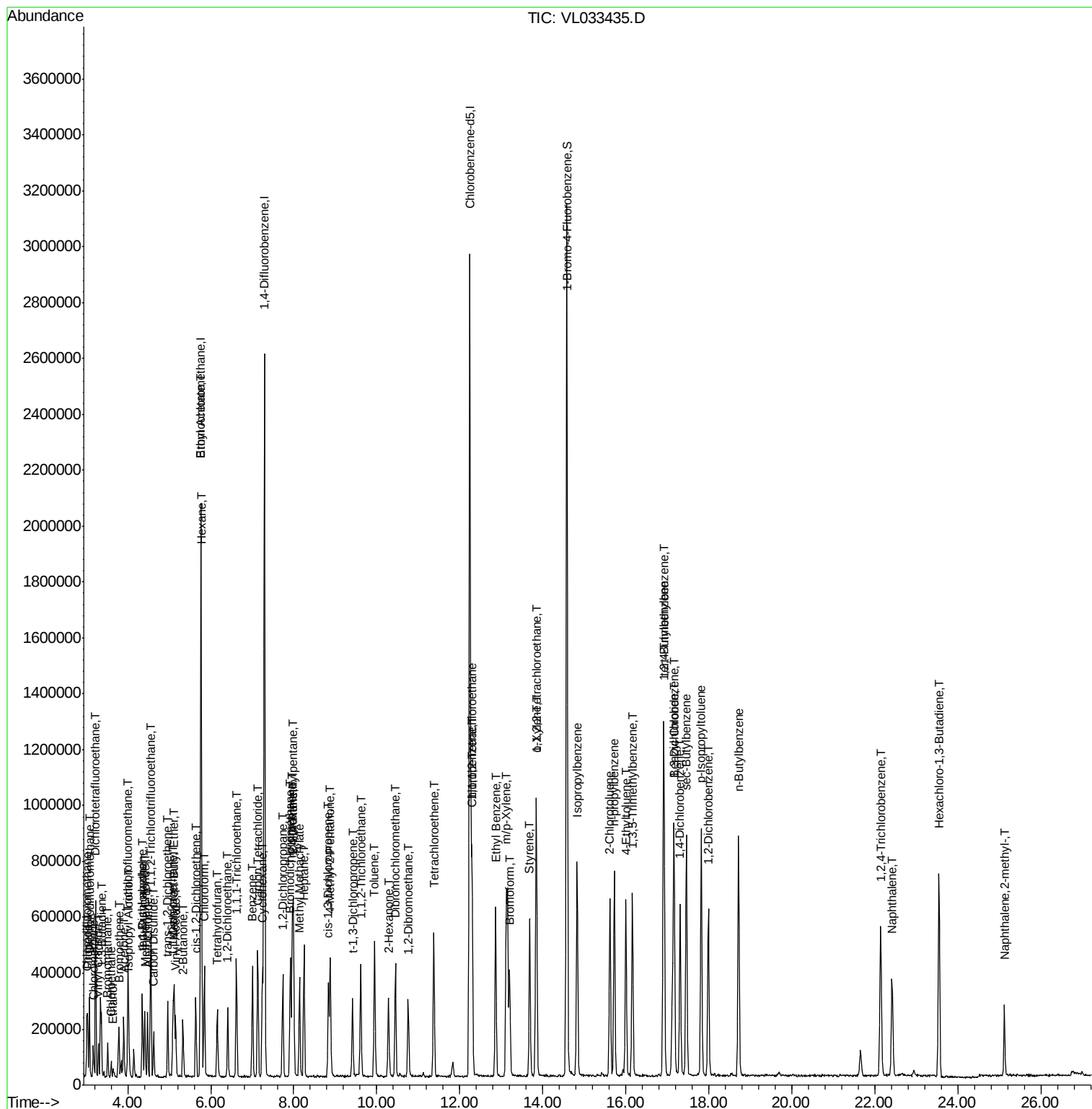
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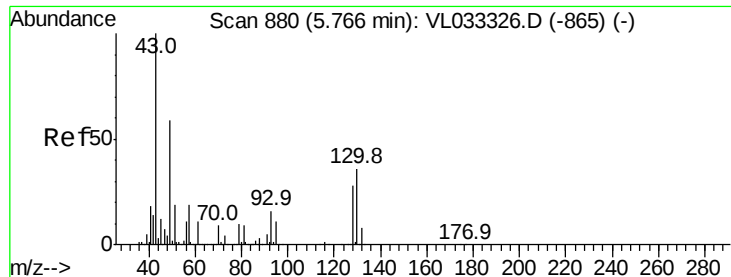
Data File : VL033435.D

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MSVOA_L
ClientSampleId :
VSTDICC002

Quant Time: Mar 25 11:44:51 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar 15 14:52:14 2019
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.01 min

Lab File: VL033435.D

Acq: 25 Mar 2019 11:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

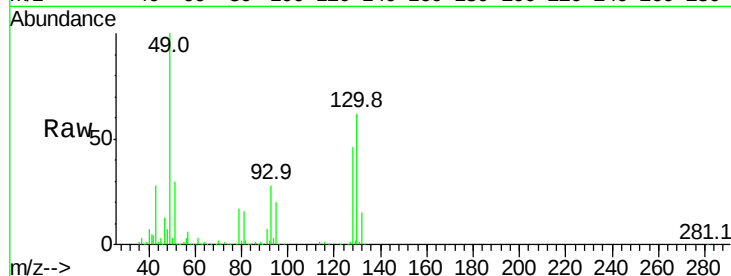
Tgt Ion: 49 Resp: 769064

Ion Ratio Lower Upper

49 100

128 48.7 23.5 70.6

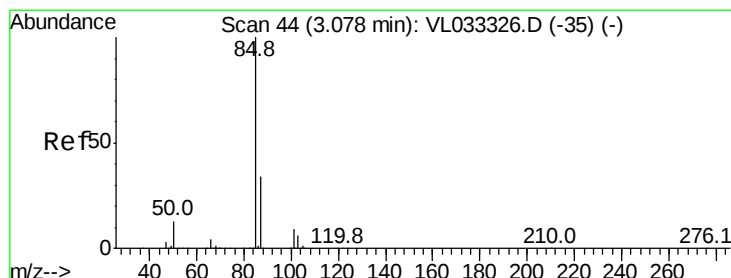
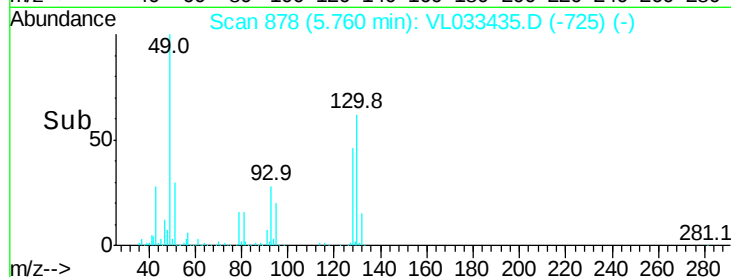
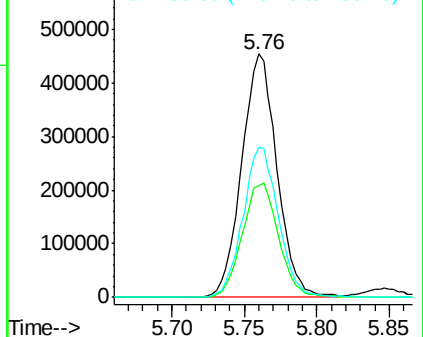
130 62.4 30.1 90.3



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: 1.415 ppbv

RT: 3.08 min Scan# 43

Delta R.T. -0.00 min

Lab File: VL033435.D

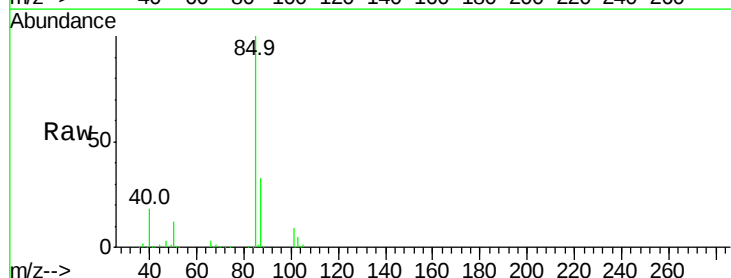
Acq: 25 Mar 2019 11:09

Tgt Ion: 85 Resp: 191392

Ion Ratio Lower Upper

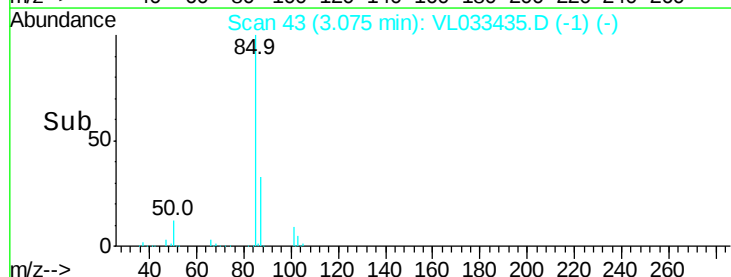
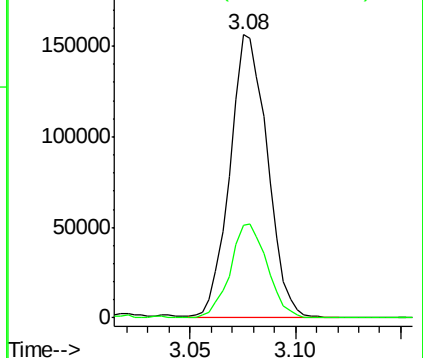
85 100

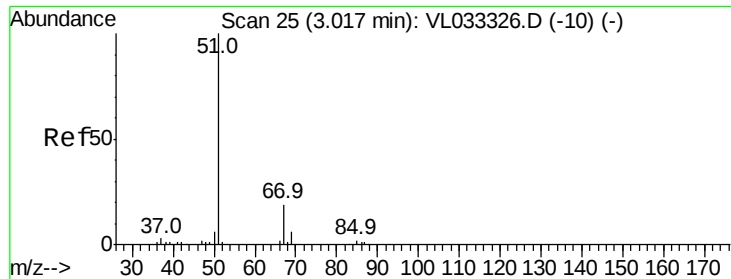
87 32.8 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 2.046 ppbv

RT: 3.02 min Scan# 25

Delta R.T. -0.00 min

Lab File: VL033435.D

Acq: 25 Mar 2019 11:09

Instrument :

MSVOA_L

ClientSampleId :

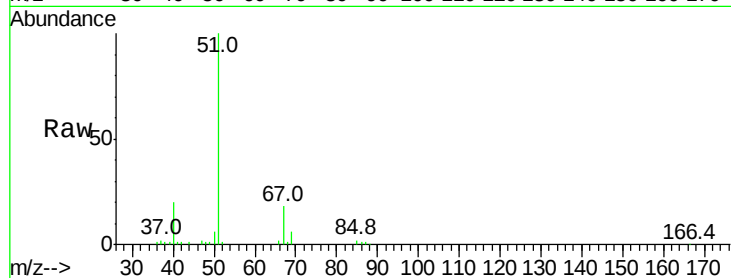
VSTDIC002

Tgt Ion: 51 Resp: 180629

Ion Ratio Lower Upper

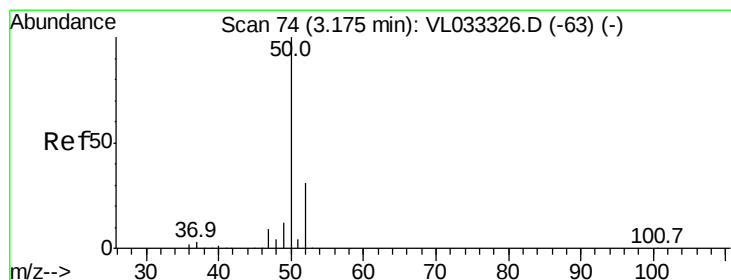
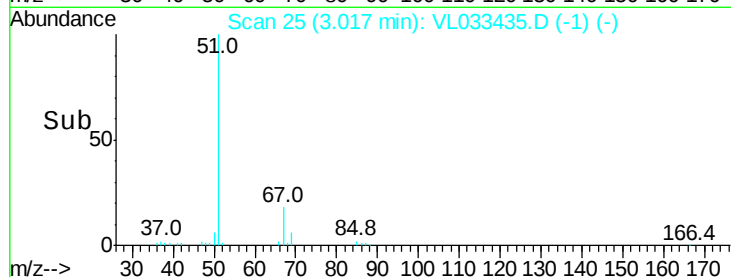
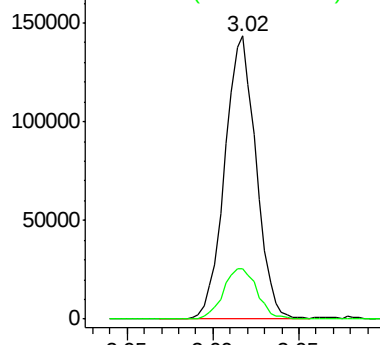
51 100

67 19.3 14.9 22.3



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 1.983 ppbv

RT: 3.17 min Scan# 73

Delta R.T. -0.00 min

Lab File: VL033435.D

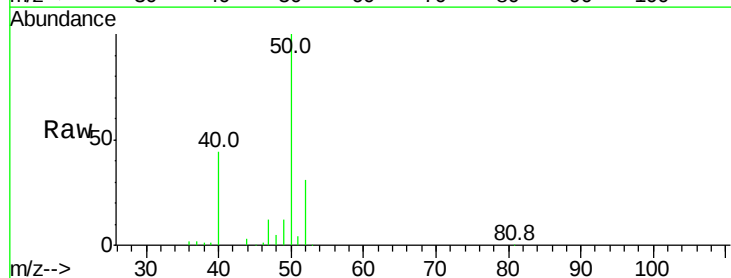
Acq: 25 Mar 2019 11:09

Tgt Ion: 50 Resp: 94781

Ion Ratio Lower Upper

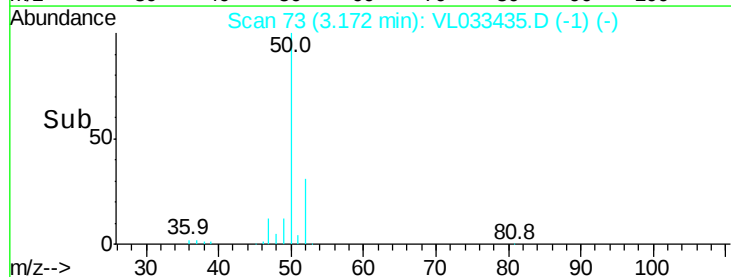
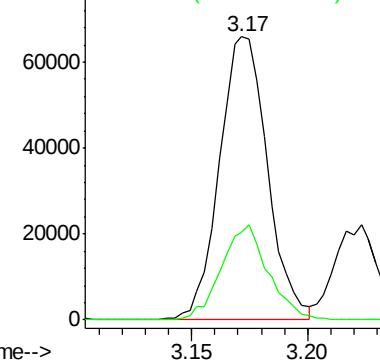
50 100

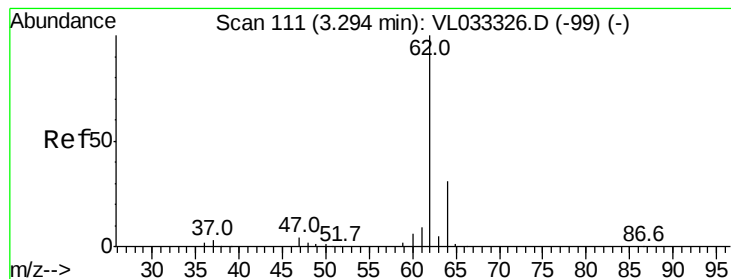
52 30.7 25.0 37.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 1.943 ppbv

RT: 3.29 min Scan# 111

Delta R.T. -0.00 min

Lab File: VL033435.D

Acq: 25 Mar 2019 11:09

Instrument :

MSVOA_L

ClientSampleId :

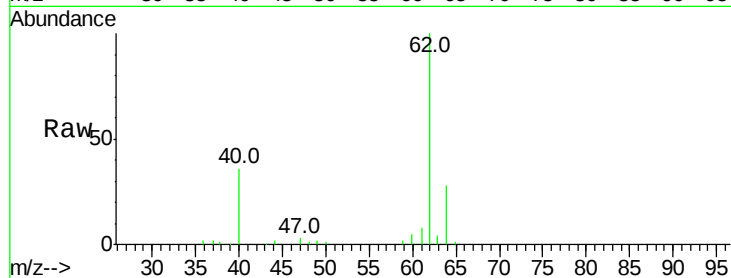
VSTDIC002

Tgt Ion: 62 Resp: 95827

Ion Ratio Lower Upper

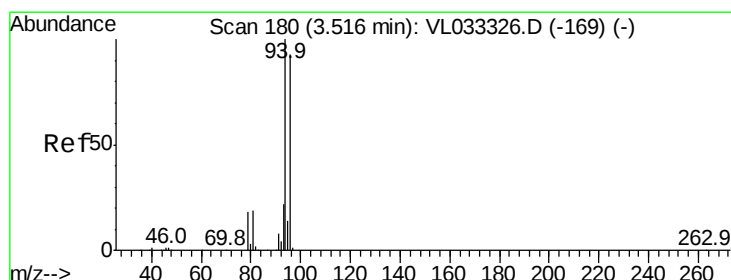
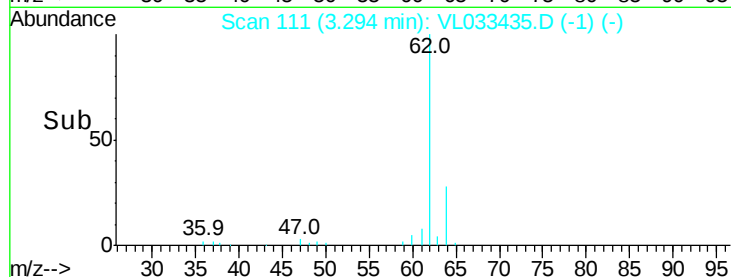
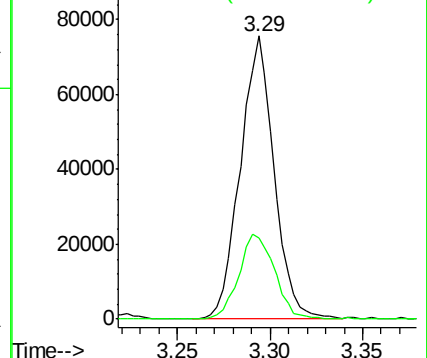
62 100

64 28.5 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: 2.094 ppbv

RT: 3.52 min Scan# 180

Delta R.T. -0.00 min

Lab File: VL033435.D

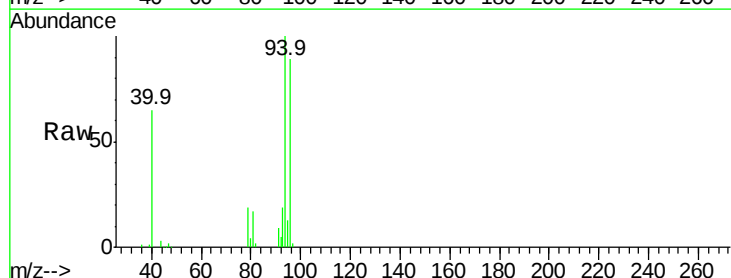
Acq: 25 Mar 2019 11:09

Tgt Ion: 94 Resp: 61375

Ion Ratio Lower Upper

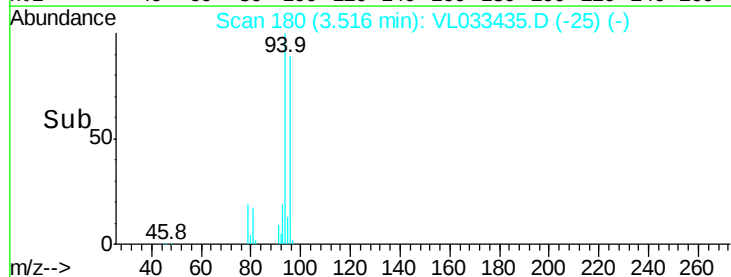
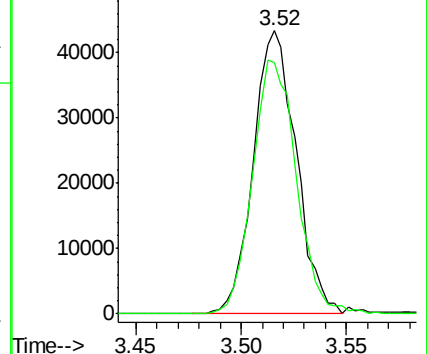
94 100

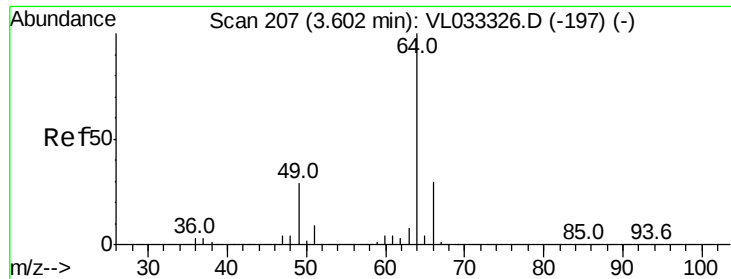
96 88.8 74.6 111.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 1.993 ppbv

RT: 3.60 min Scan# 207

Delta R.T. -0.00 min

Lab File: VL033435.D

Acq: 25 Mar 2019 11:09

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MSVOA_L

ClientSampleId :

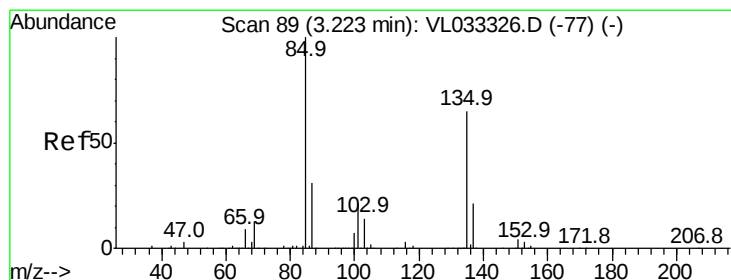
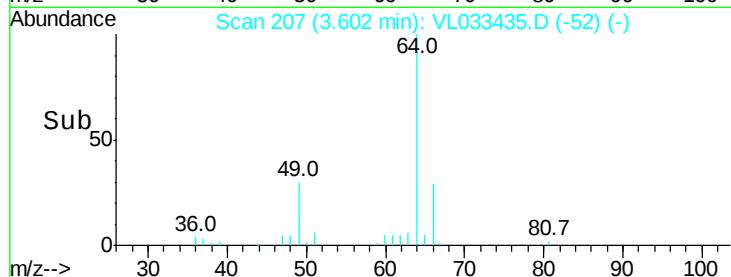
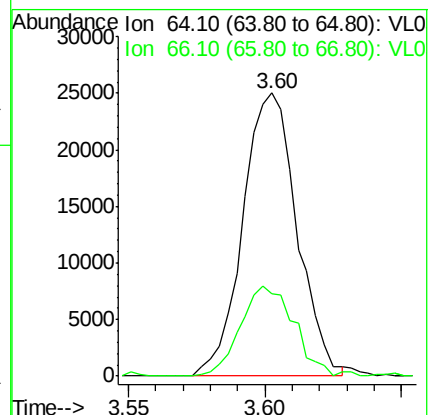
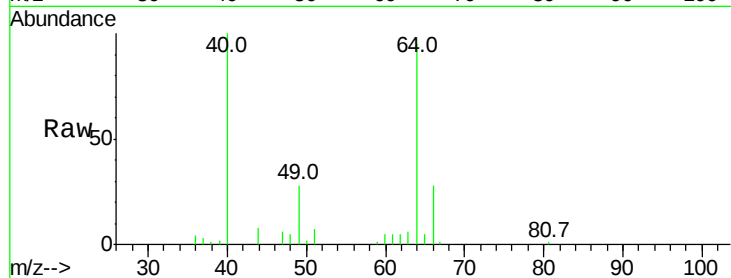
VSTDIC002

Tgt Ion: 64 Resp: 34341

Ion Ratio Lower Upper

64 100

66 30.1 24.0 36.0



#8

Dichlorotetrafluoroethane

Concen: 2.105 ppbv

RT: 3.22 min Scan# 88

Delta R.T. -0.00 min

Lab File: VL033435.D

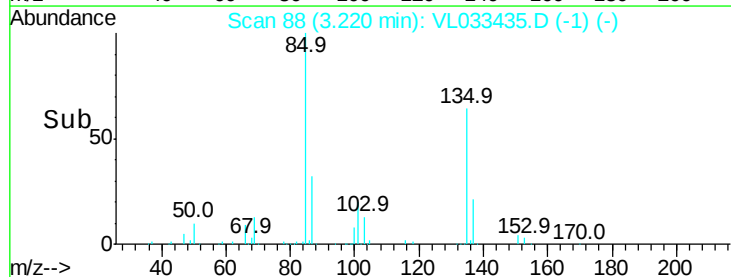
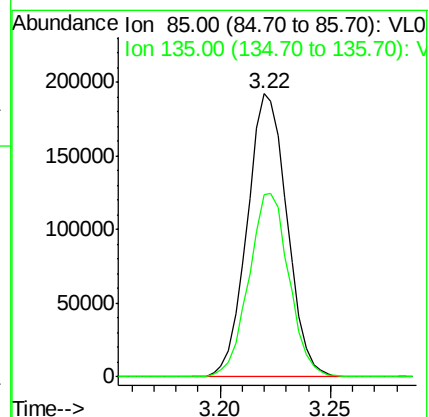
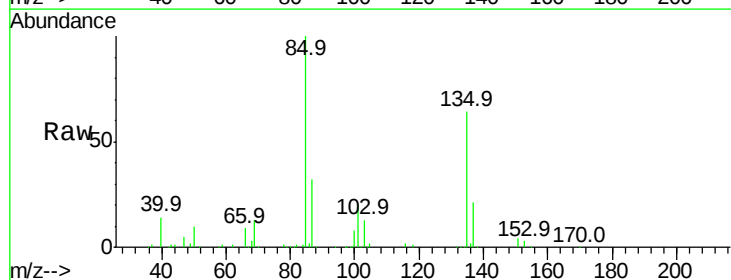
Acq: 25 Mar 2019 11:09

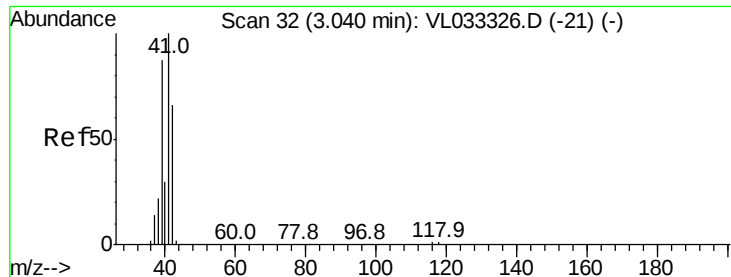
Tgt Ion: 85 Resp: 242387

Ion Ratio Lower Upper

85 100

135 65.3 53.4 80.2





#9

Propene

Concen: 1.942 ppbv

RT: 3.04 min Scan# 31

Delta R.T. -0.00 min

Lab File: VL033435.D

Acq: 25 Mar 2019 11:09

Instrument :

MSVOA_L

ClientSampleId :

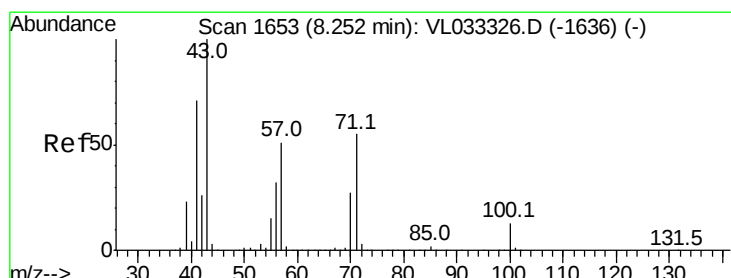
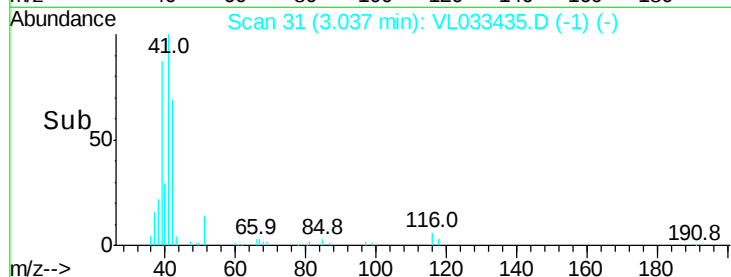
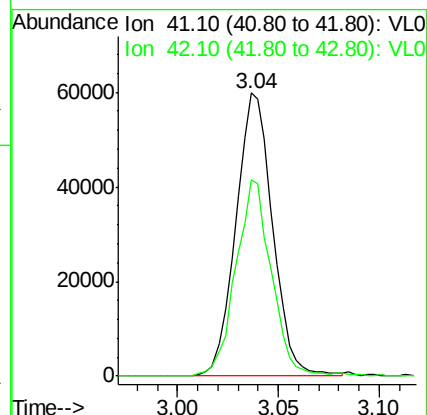
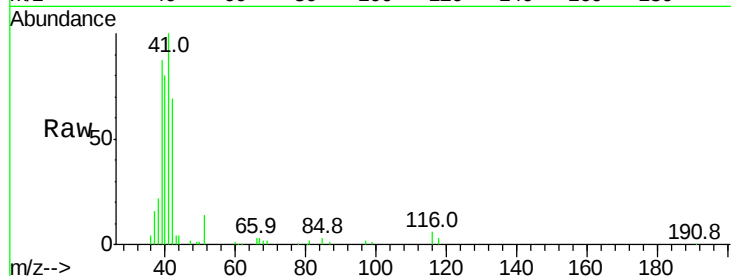
VSTDIC002

Tgt Ion: 41 Resp: 76518

Ion Ratio Lower Upper

41 100

42 67.4 55.2 82.8



#10

Heptane

Concen: 2.085 ppbv

RT: 8.25 min Scan# 1652

Delta R.T. -0.00 min

Lab File: VL033435.D

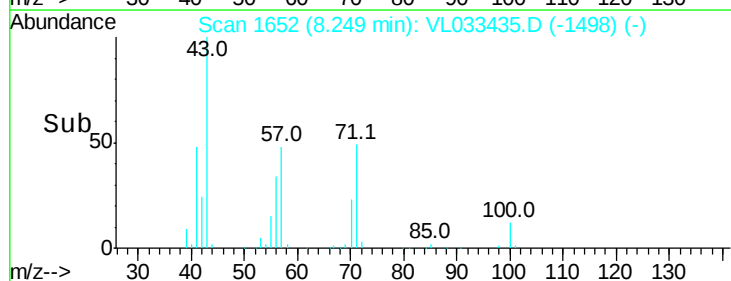
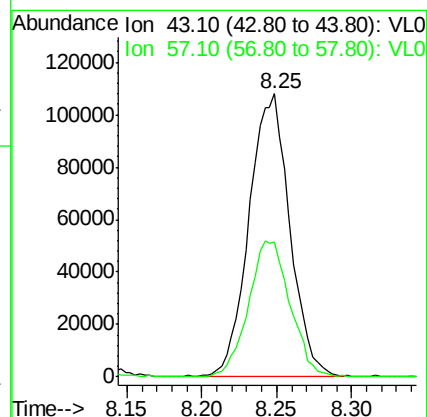
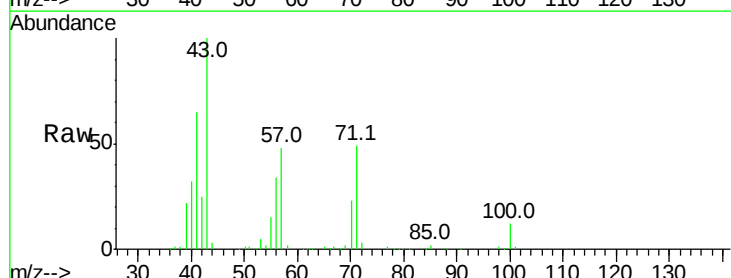
Acq: 25 Mar 2019 11:09

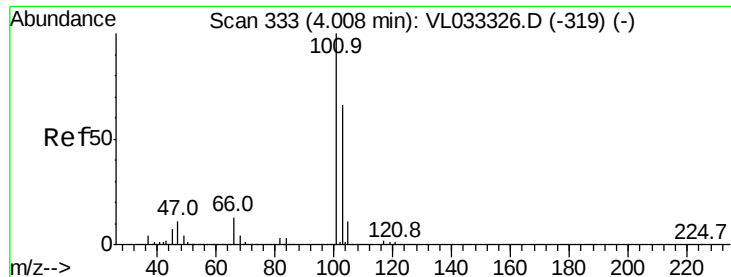
Tgt Ion: 43 Resp: 203778

Ion Ratio Lower Upper

43 100

57 49.4 40.4 60.6

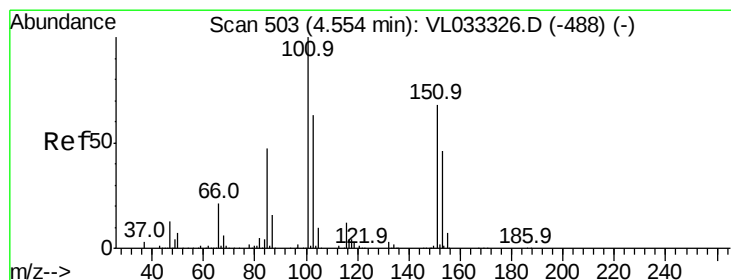
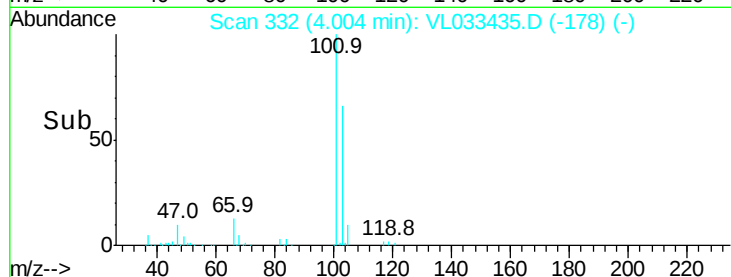
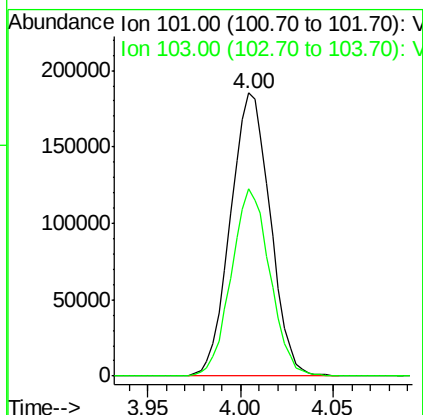
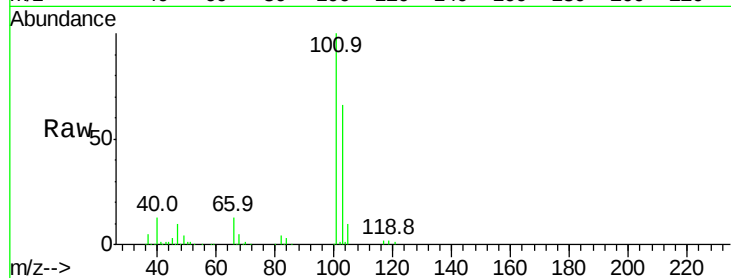




#11
 Trichlorofluoromethane
 Concen: 2.036 ppbv
 RT: 4.00 min Scan# 332
 Delta R.T. -0.00 min
 Lab File: VL033435.D
 Acq: 25 Mar 2019 11:09

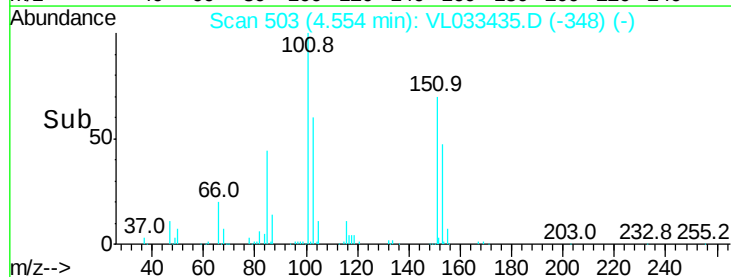
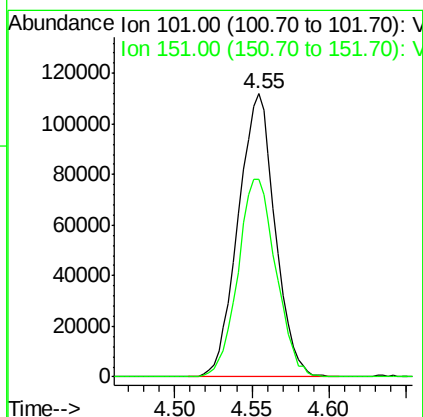
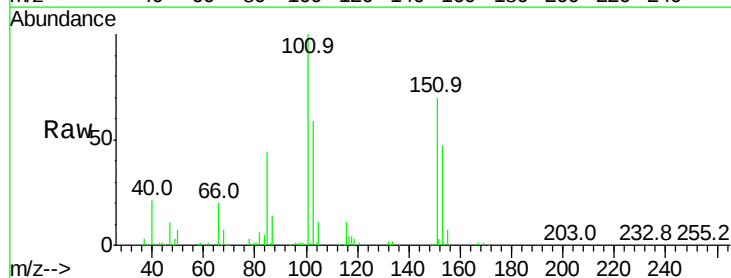
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

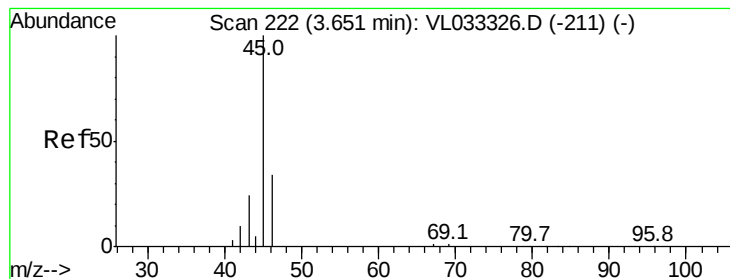
Tgt Ion:101 Resp: 274185
 Ion Ratio Lower Upper
 101 100
 103 66.5 52.9 79.3



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.076 ppbv
 RT: 4.55 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VL033435.D
 Acq: 25 Mar 2019 11:09

Tgt Ion:101 Resp: 185518
 Ion Ratio Lower Upper
 101 100
 151 72.0 56.3 84.5





#13

Ethanol

Concen: 0.714 ppbv

RT: 3.65 min Scan# 221

Delta R.T. -0.00 min

Lab File: VL033435.D

Acq: 25 Mar 2019 11:09

Instrument :

MSVOA_L

ClientSampleId :

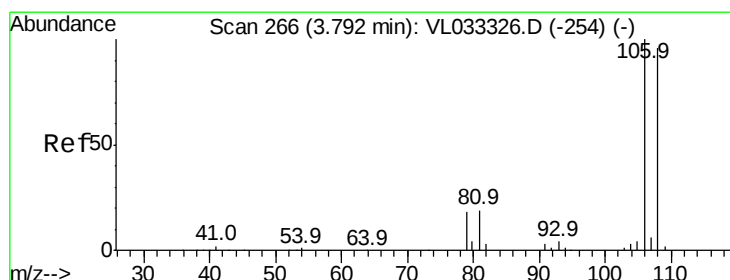
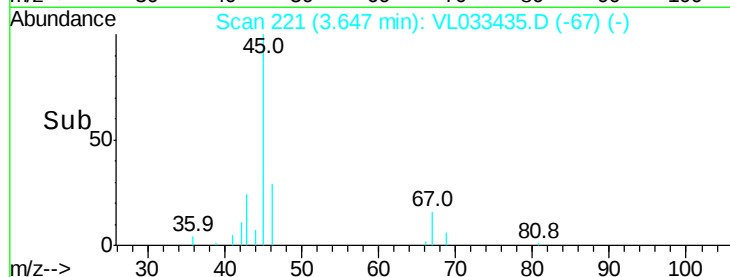
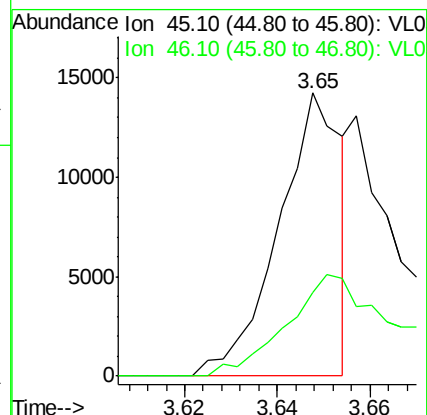
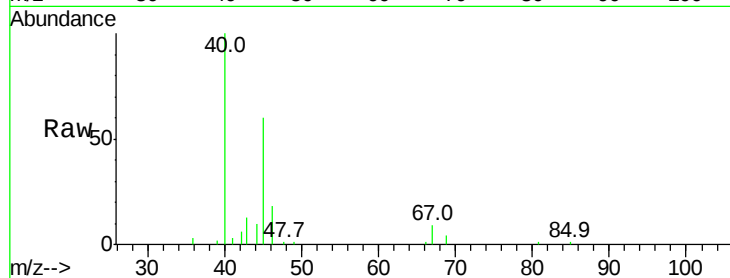
VSTDIC002

Tgt Ion: 45 Resp: 13421

Ion Ratio Lower Upper

45 100

46 68.6 14.9 59.7#



#14

Bromoethene

Concen: 2.037 ppbv

RT: 3.79 min Scan# 265

Delta R.T. -0.00 min

Lab File: VL033435.D

Acq: 25 Mar 2019 11:09

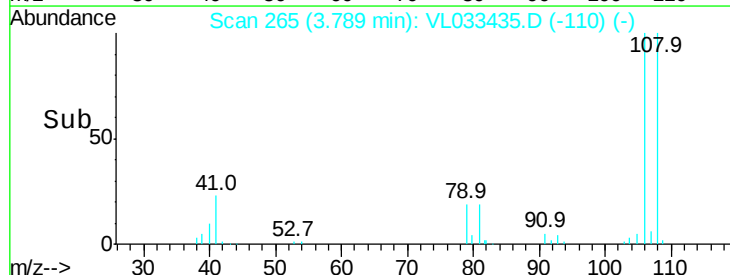
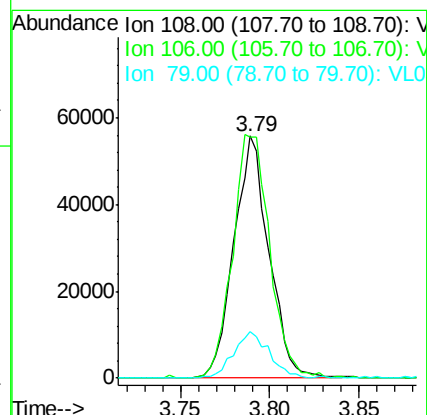
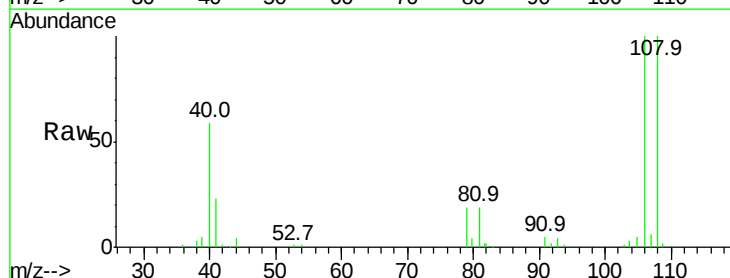
Tgt Ion: 108 Resp: 75881

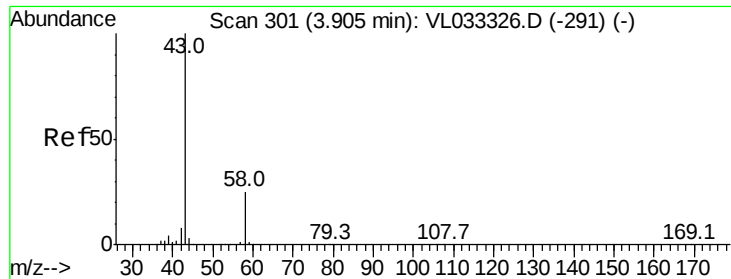
Ion Ratio Lower Upper

108 100

106 107.3 86.2 129.2

79 19.7 15.4 23.2





#15

Acetone

Concen: 1.671 ppbv

RT: 3.90 min Scan# 301

Delta R.T. -0.00 min

Lab File: VL033435.D

Acq: 25 Mar 2019 11:09

Instrument :

MSVOA_L

ClientSampleId :

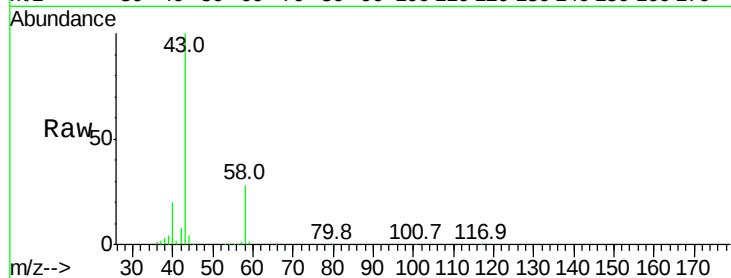
VSTDIC002

Tgt Ion: 43 Resp: 199801

Ion Ratio Lower Upper

43 100

58 26.5 20.4 30.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

150000

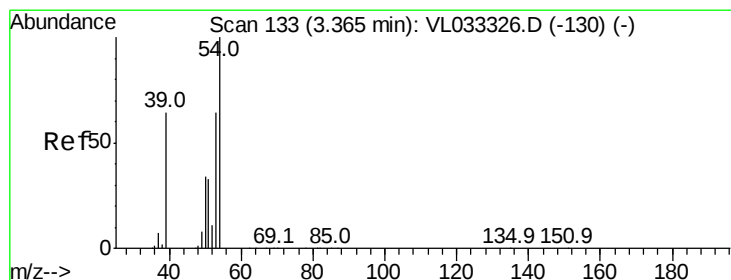
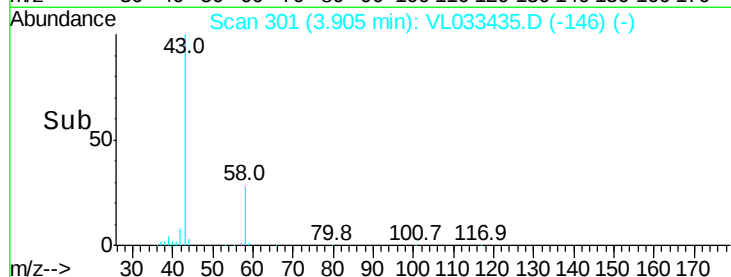
100000

50000

0

3.85 3.90 3.95

Time-->



#16

1,3-Butadiene

Concen: 2.092 ppbv

RT: 3.36 min Scan# 132

Delta R.T. -0.00 min

Lab File: VL033435.D

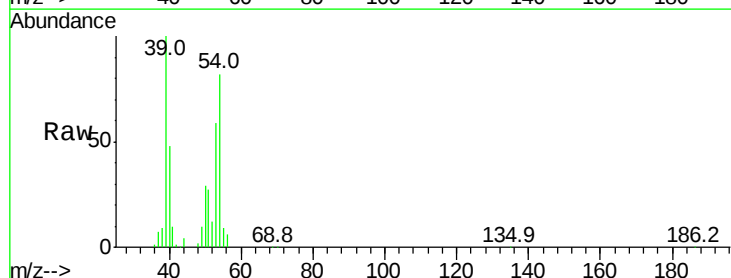
Acq: 25 Mar 2019 11:09

Tgt Ion: 39 Resp: 81233

Ion Ratio Lower Upper

39 100

54 88.1 76.8 115.2



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

60000

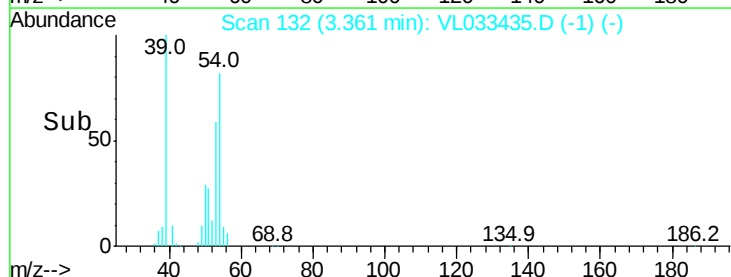
40000

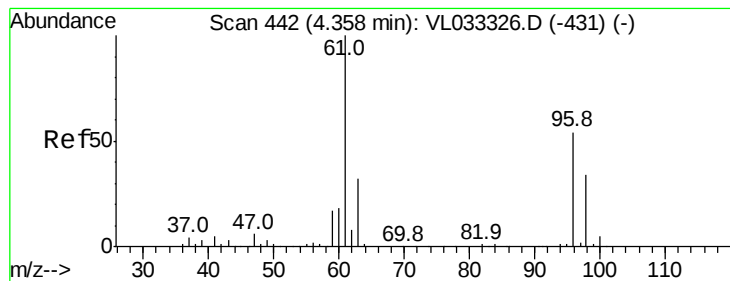
20000

0

3.34 3.36 3.38 3.40

Time-->





#17

tert-Butyl alcohol

Concen: 1.870 ppbv

RT: 4.36 min Scan# 444

Delta R.T. 0.01 min

Lab File: VL033435.D

Acq: 25 Mar 2019 11:09

Instrument :

MSVOA_L

ClientSampleId :

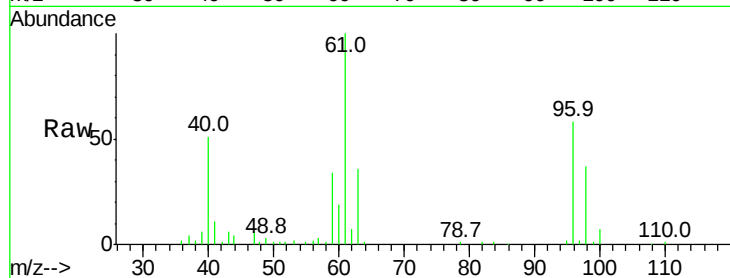
VSTDIC002

Tgt Ion: 59 Resp: 31463

Ion Ratio Lower Upper

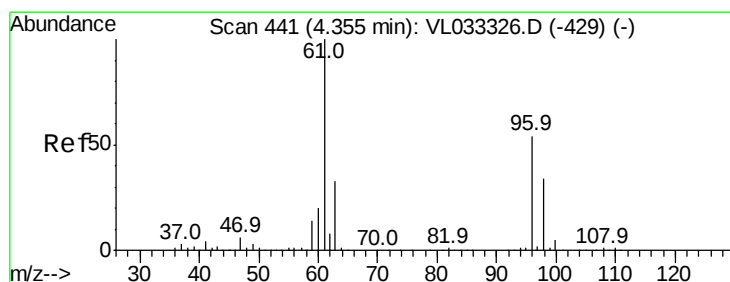
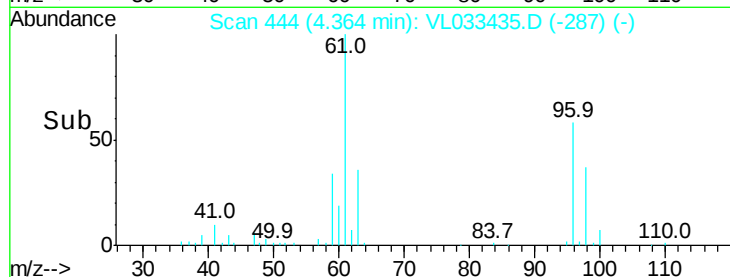
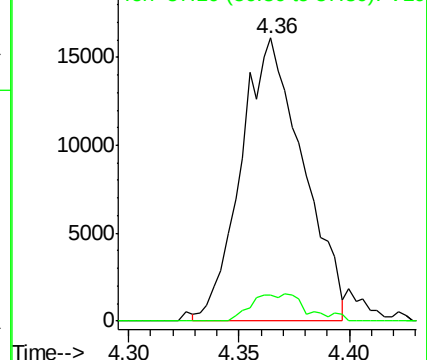
59 100

57 8.7 7.7 11.5



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 1.940 ppbv

RT: 4.35 min Scan# 440

Delta R.T. -0.00 min

Lab File: VL033435.D

Acq: 25 Mar 2019 11:09

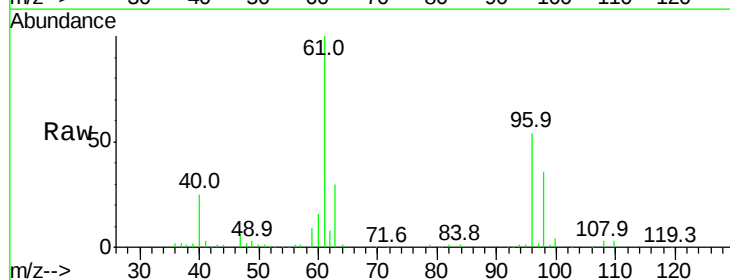
Tgt Ion: 96 Resp: 79247

Ion Ratio Lower Upper

96 100

61 184.7 148.6 222.8

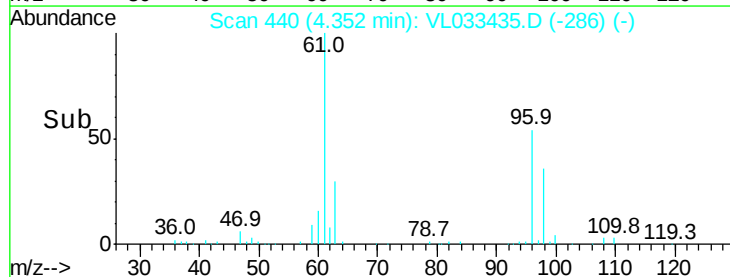
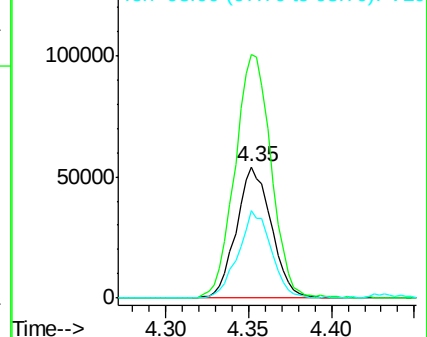
98 66.4 50.3 75.5

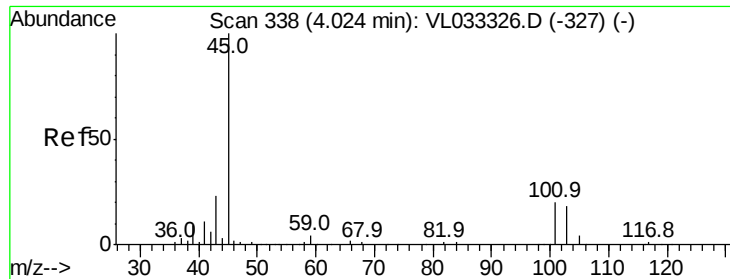


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 1.896 ppbv

RT: 4.03 min Scan# 340

Delta R.T. 0.01 min

Lab File: VL033435.D

Acq: 25 Mar 2019 11:09

Instrument :

MSVOA_L

ClientSampleId :

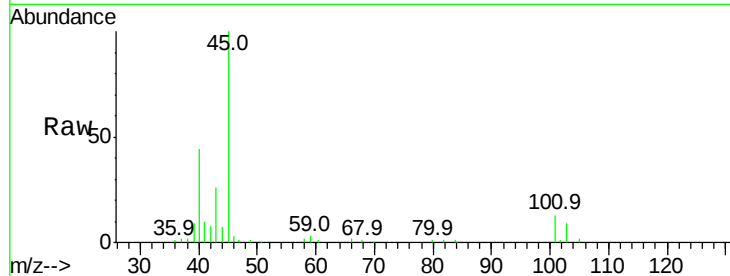
VSTDIC002

Tgt Ion: 45 Resp: 107839

Ion Ratio Lower Upper

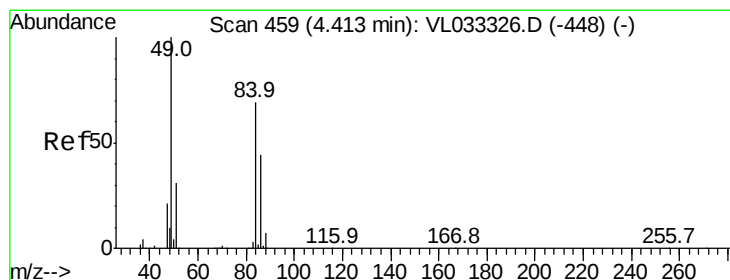
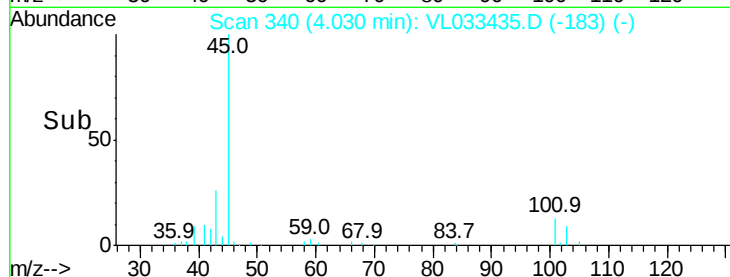
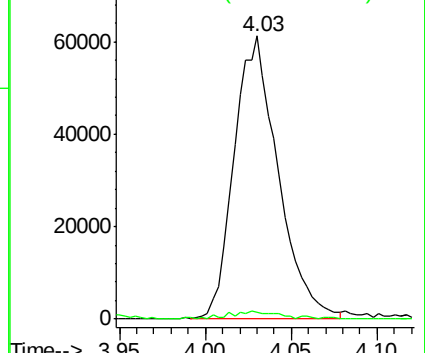
45 100

58 3.6 1.5 2.3#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 2.064 ppbv

RT: 4.41 min Scan# 458

Delta R.T. -0.00 min

Lab File: VL033435.D

Acq: 25 Mar 2019 11:09

Tgt Ion: 84 Resp: 80484

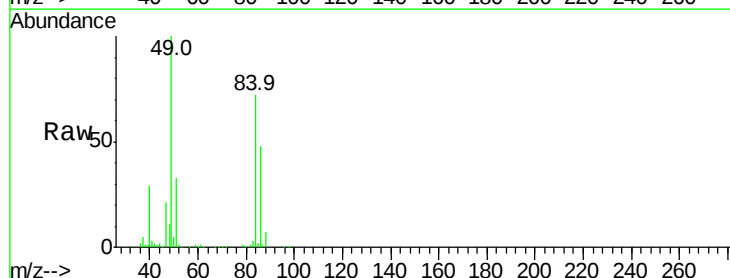
Ion Ratio Lower Upper

84 100

49 138.2 115.4 173.0

51 45.0 35.8 53.6

86 66.8 50.6 75.8

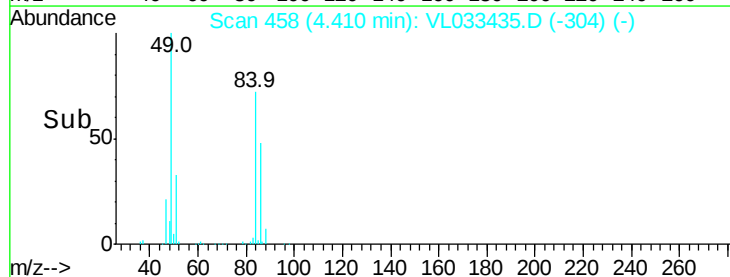
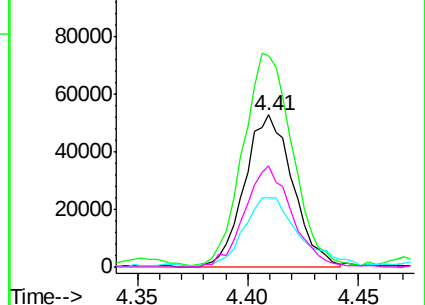


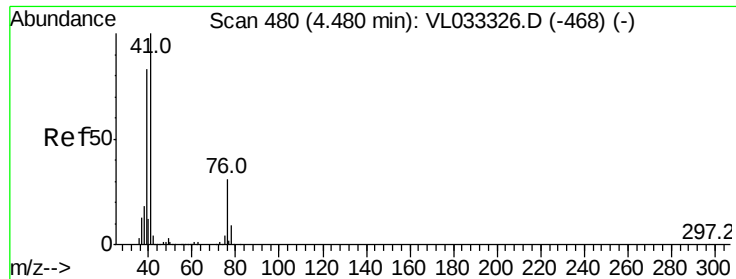
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

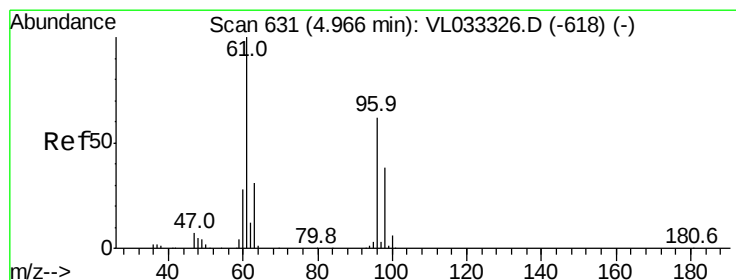
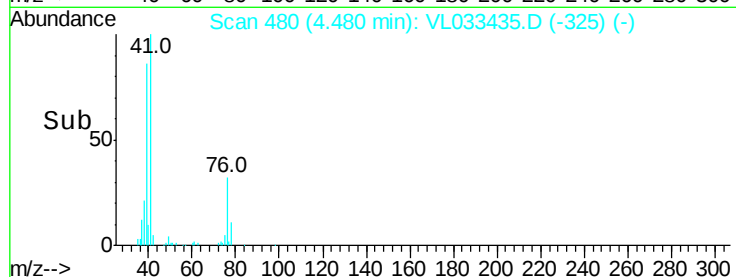
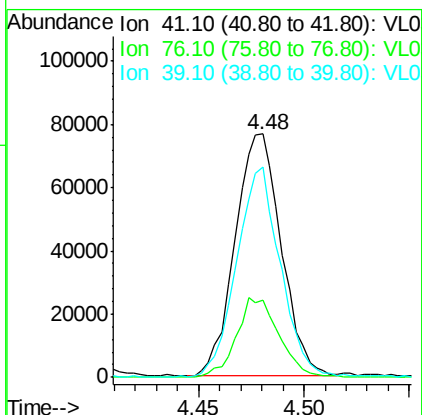
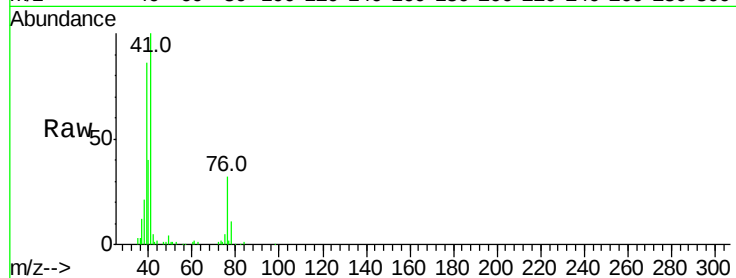




#21
 Allyl Chloride
 Concen: 1.997 ppbv
 RT: 4.48 min Scan# 480
 Delta R.T. -0.00 min
 Lab File: VL033435.D
 Acq: 25 Mar 2019 11:09

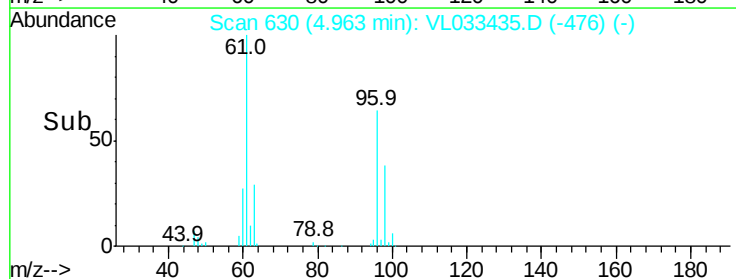
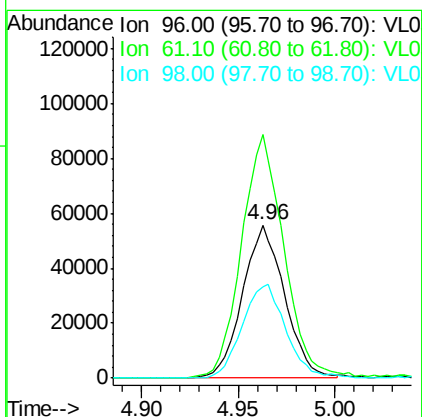
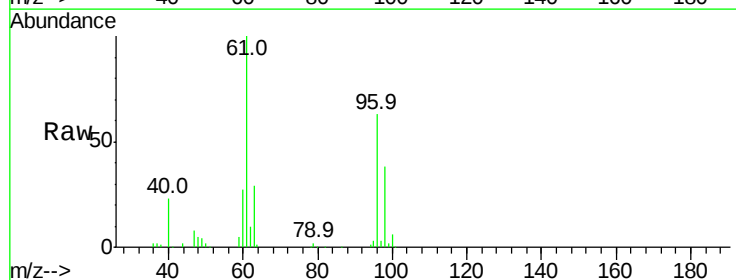
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

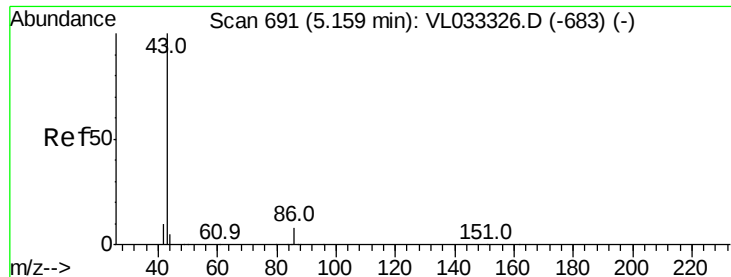
Tgt Ion: 41 Resp: 115789
 Ion Ratio Lower Upper
 41 100
 76 30.4 25.0 37.4
 39 83.9 65.9 98.9



#22
 trans-1,2-Dichloroethene
 Concen: 2.131 ppbv
 RT: 4.96 min Scan# 630
 Delta R.T. -0.00 min
 Lab File: VL033435.D
 Acq: 25 Mar 2019 11:09

Tgt Ion: 96 Resp: 84374
 Ion Ratio Lower Upper
 96 100
 61 158.5 130.0 195.0
 98 59.9 50.0 75.0





#23

Vinyl Acetate

Concen: 1.932 ppbv

RT: 5.16 min Scan# 690

Delta R.T. -0.00 min

Lab File: VL033435.D

Acq: 25 Mar 2019 11:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 43 Resp: 267257

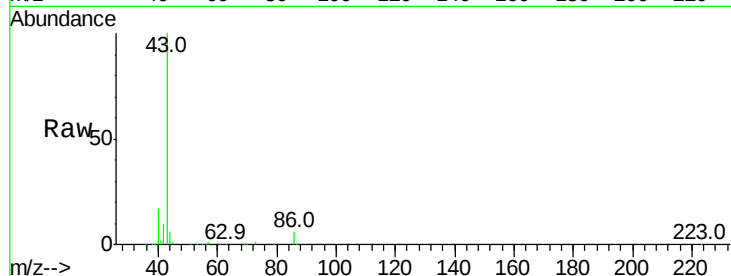
Ion	Ratio	Lower	Upper
43	100		
86	6.4	6.2	9.2
42	9.7	8.1	12.1
44	5.9	4.1	6.1

43 100

86 6.4 6.2 9.2

42 9.7 8.1 12.1

44 5.9 4.1 6.1



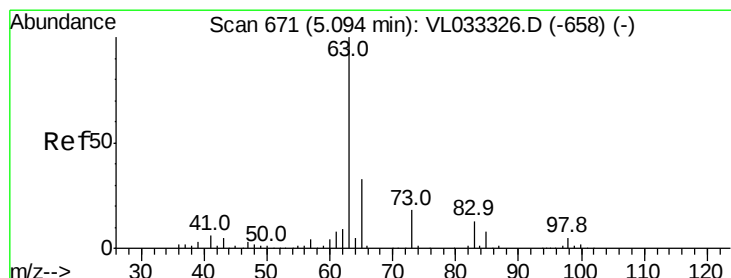
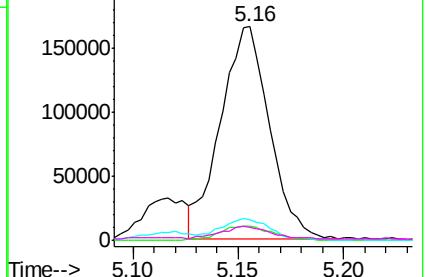
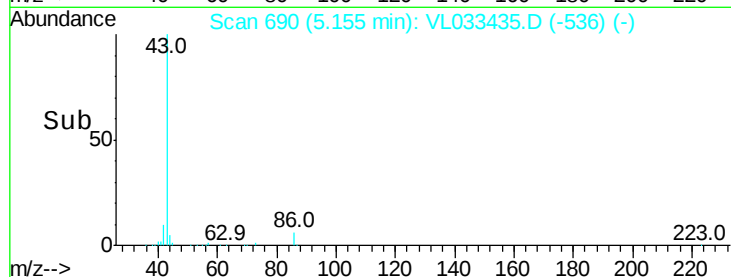
Abundance Ion 43.10 (42.80 to 43.80): VL0

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

Time-->



#24

1,1-Dichloroethane

Concen: 2.030 ppbv

RT: 5.09 min Scan# 669

Delta R.T. -0.01 min

Lab File: VL033435.D

Acq: 25 Mar 2019 11:09

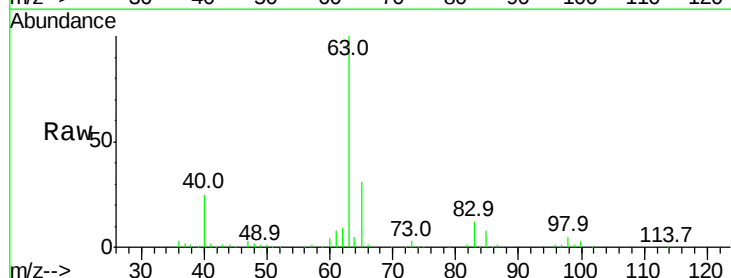
Tgt Ion: 63 Resp: 202824

Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.4	7.1
100	2.6	1.3	3.8

63 100

98 4.5 2.4 7.1

100 2.6 1.3 3.8

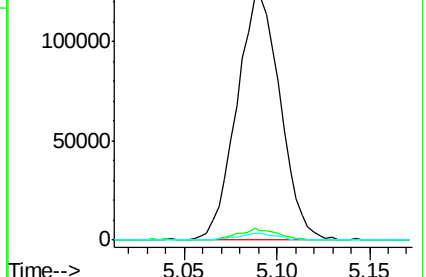
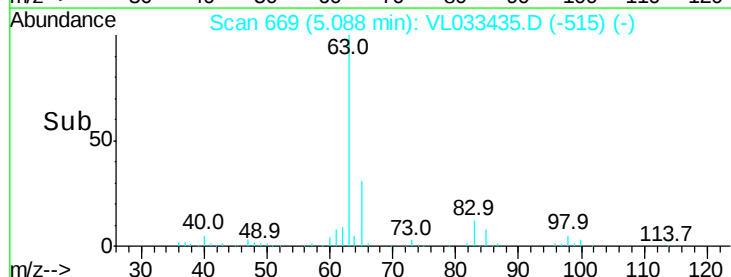


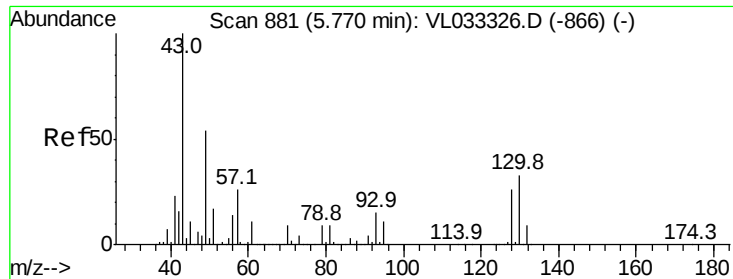
Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

Time-->





#25

Ethyl Acetate

Concen: 2.049 ppbv

RT: 5.77 min Scan# 881

Delta R.T. -0.00 min

Lab File: VL033435.D

Acq: 25 Mar 2019 11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 43 Resp: 356099

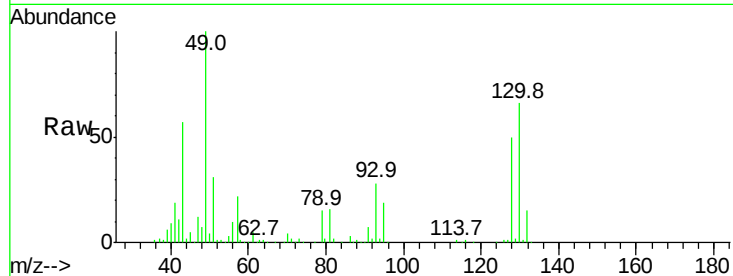
Ion Ratio Lower Upper

43 100

45 9.7 7.9 11.9

61 9.0 7.4 11.2

70 6.9 5.7 8.5

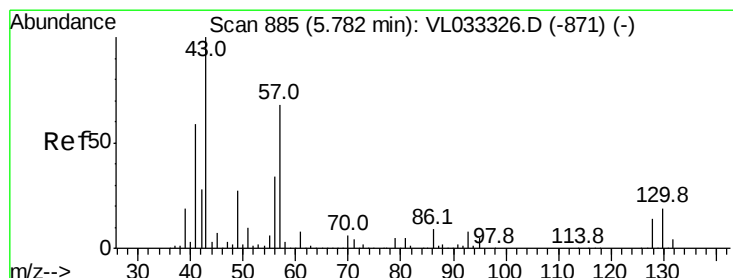
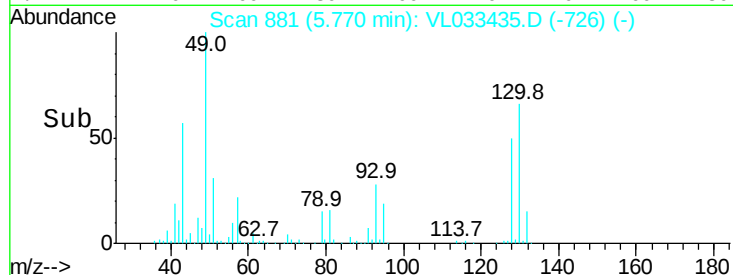
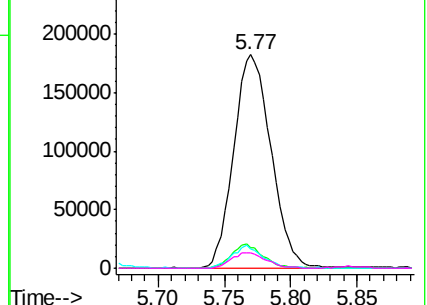


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 2.093 ppbv

RT: 5.78 min Scan# 884

Delta R.T. -0.00 min

Lab File: VL033435.D

Acq: 25 Mar 2019 11:09

Tgt Ion: 57 Resp: 162608

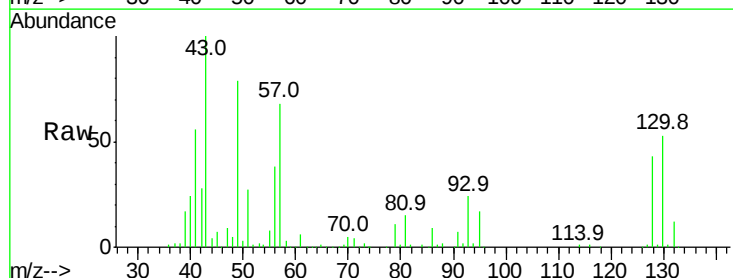
Ion Ratio Lower Upper

57 100

41 90.3 70.5 105.7

43 222.9 181.8 272.8

56 53.7 42.2 63.2

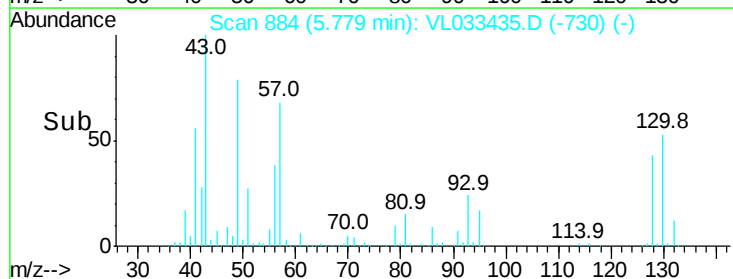
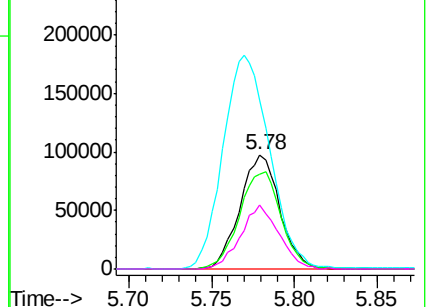


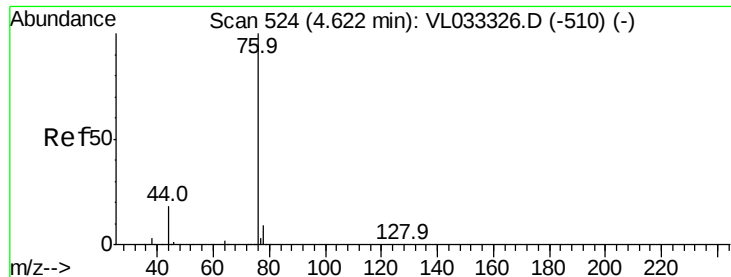
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 2.046 ppbv

RT: 4.62 min Scan# 524

Delta R.T. -0.00 min

Lab File: VL033435.D

Acq: 25 Mar 2019 11:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

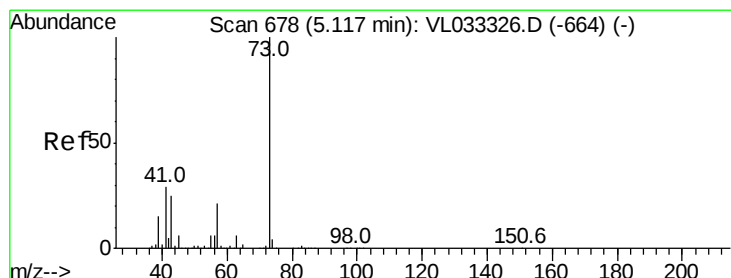
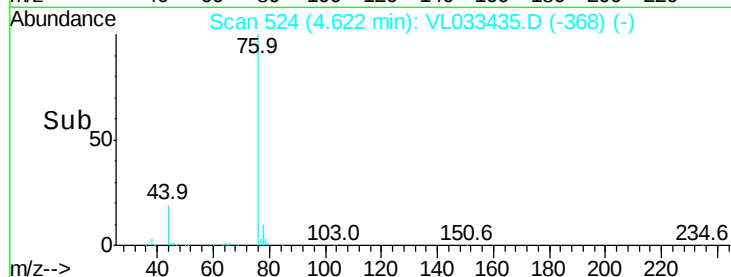
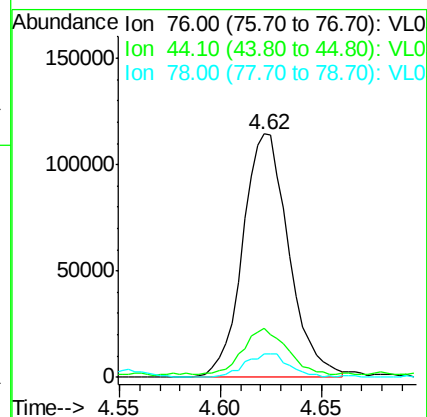
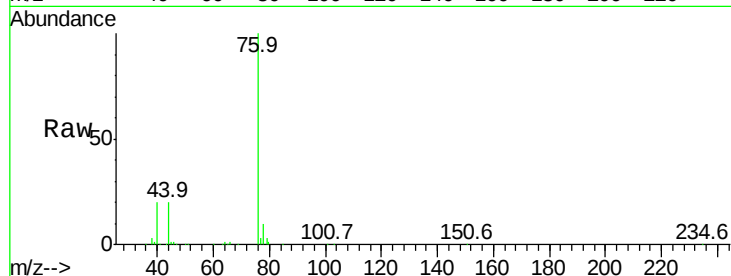
Tgt Ion: 76 Resp: 182998

Ion Ratio Lower Upper

76 100

44 18.9 15.2 22.8

78 10.0 7.2 10.8



#28

Methyl tert-Butyl Ether

Concen: 1.990 ppbv

RT: 5.12 min Scan# 678

Delta R.T. -0.00 min

Lab File: VL033435.D

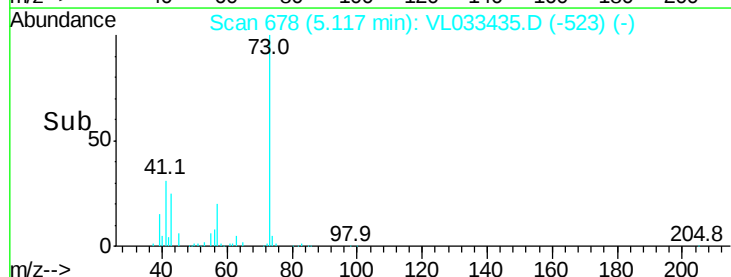
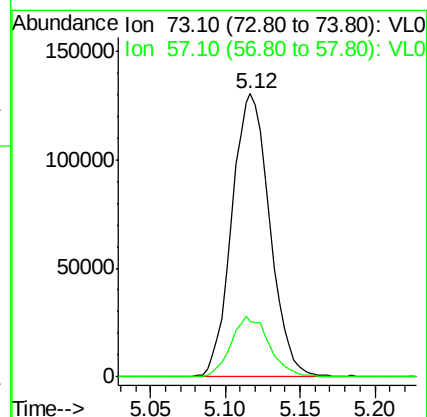
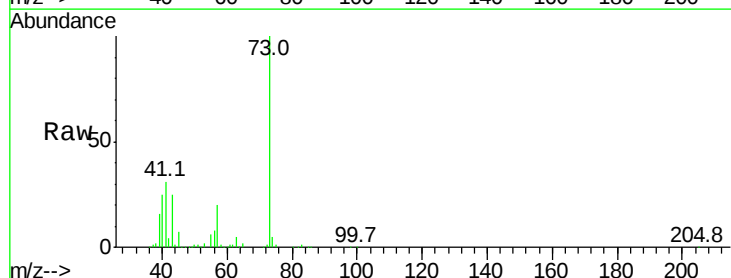
Acq: 25 Mar 2019 11:09

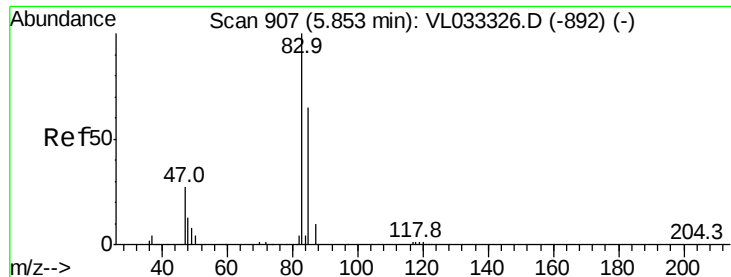
Tgt Ion: 73 Resp: 229688

Ion Ratio Lower Upper

73 100

57 21.6 17.4 26.0





#29

Chloroform

Concen: 2.118 ppbv

RT: 5.85 min Scan# 905

Delta R.T. -0.01 min

Lab File: VL033435.D

Acq: 25 Mar 2019 11:09

Instrument :

MSVOA_L

ClientSampleId :

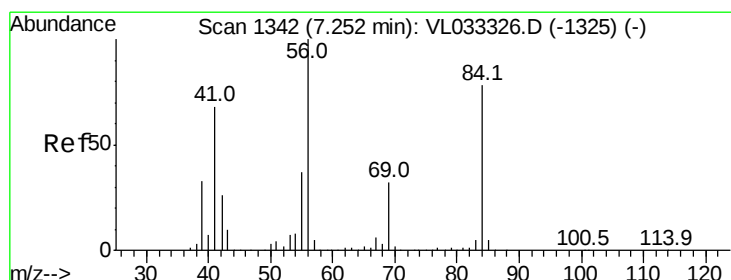
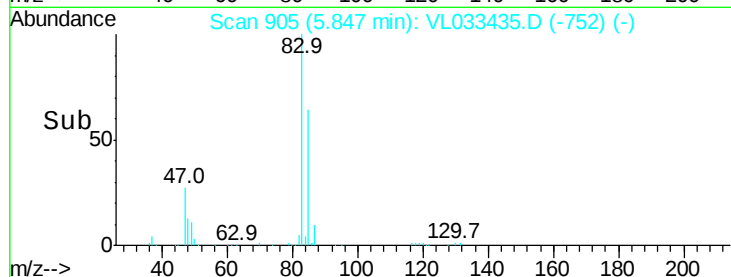
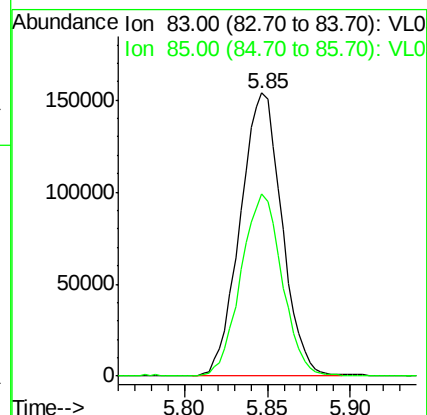
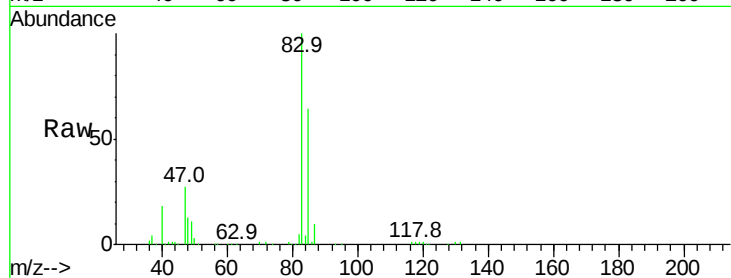
VSTDIC002

Tgt Ion: 83 Resp: 269499

Ion Ratio Lower Upper

83 100

85 64.2 52.0 78.0



#30

Cyclohexane

Concen: 2.006 ppbv

RT: 7.25 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VL033435.D

Acq: 25 Mar 2019 11:09

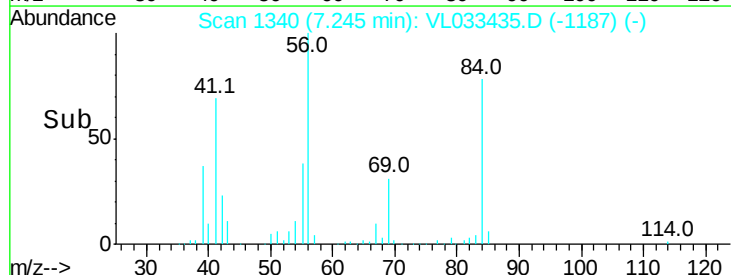
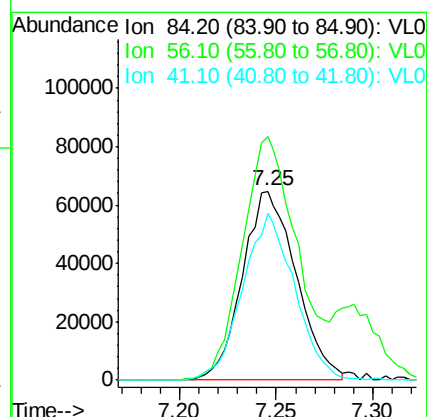
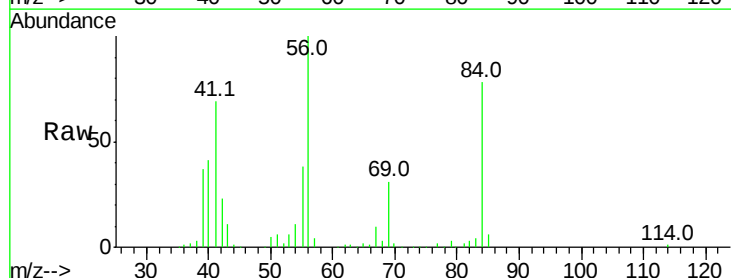
Tgt Ion: 84 Resp: 124935

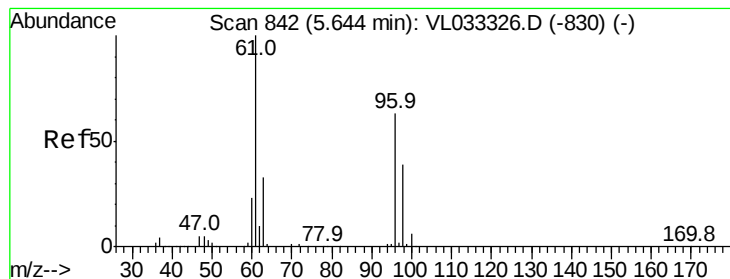
Ion Ratio Lower Upper

84 100

56 164.6 111.3 166.9

41 85.8 69.6 104.4



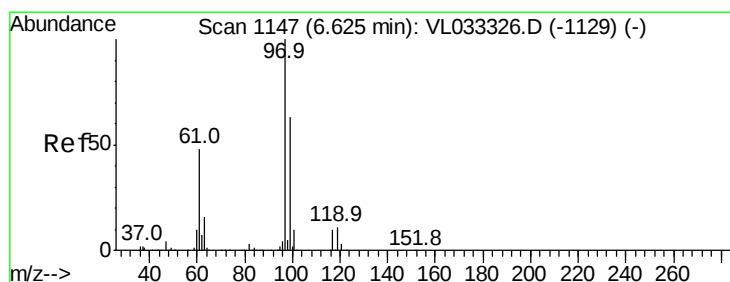
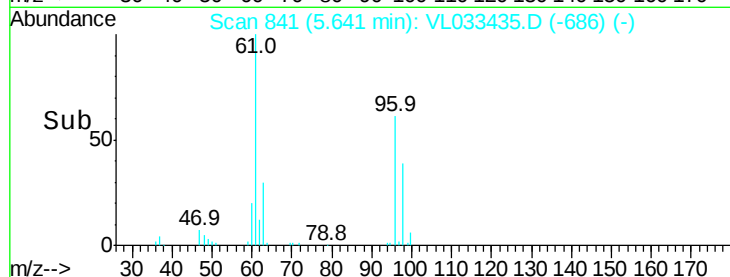
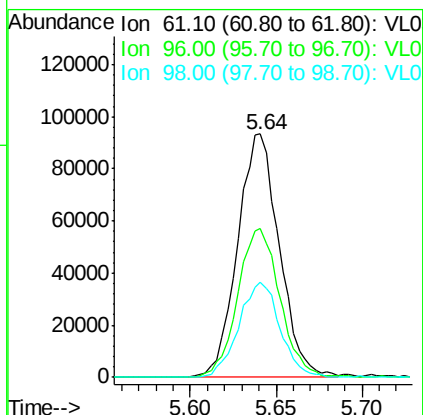
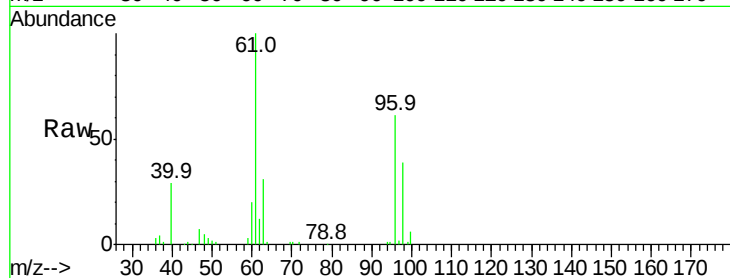


#31

cis-1,2-Dichloroethene
Concen: 2.025 ppbv
RT: 5.64 min Scan# 841
Delta R.T. -0.00 min
Lab File: VL033435.D
Acq: 25 Mar 2019 11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

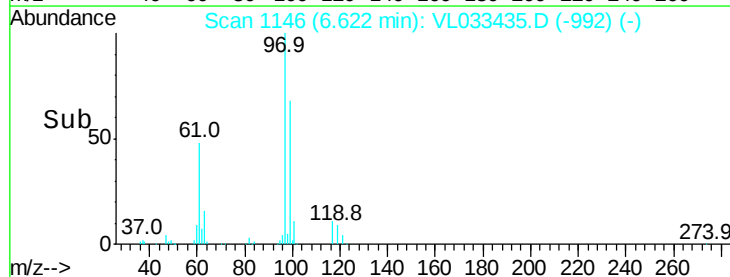
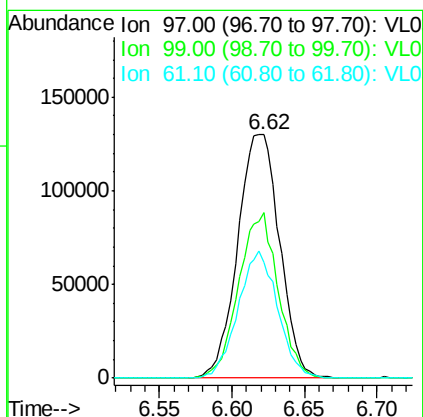
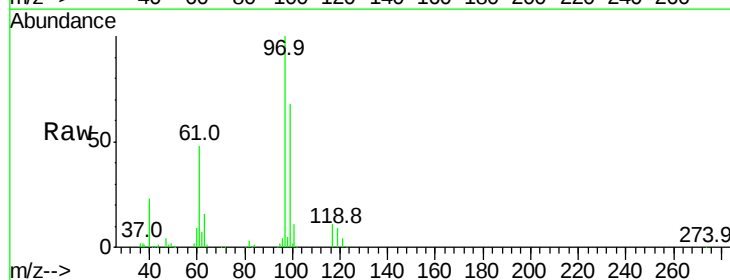
Tgt Ion	Ratio	Lower	Upper
61	100		
96	61.0	50.3	75.5
98	39.1	31.5	47.3

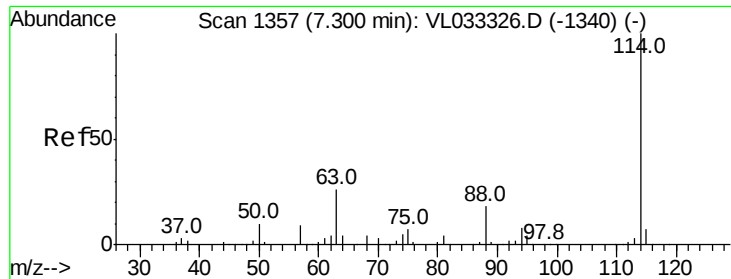


#32

1,1,1-Trichloroethane
Concen: 2.103 ppbv
RT: 6.62 min Scan# 1146
Delta R.T. -0.00 min
Lab File: VL033435.D
Acq: 25 Mar 2019 11:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.0	76.6
61	49.2	39.3	58.9

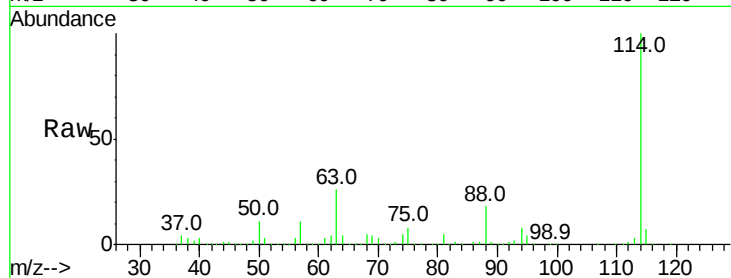




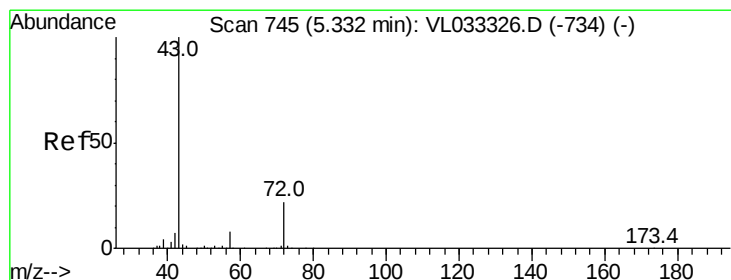
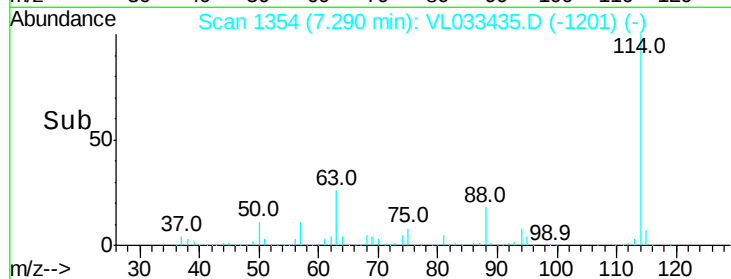
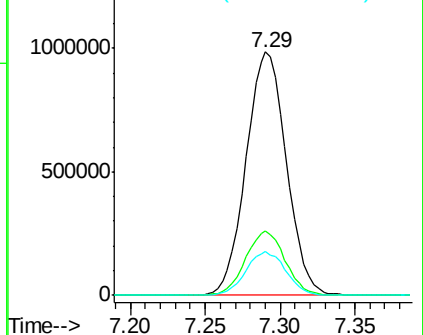
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1354
 Delta R.T. -0.01 min
 Lab File: VL033435.D
 Acq: 25 Mar 2019 11:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion:114 Resp: 1844603
 Ion Ratio Lower Upper
 114 100
 63 26.2 21.4 32.2
 88 18.0 14.5 21.7

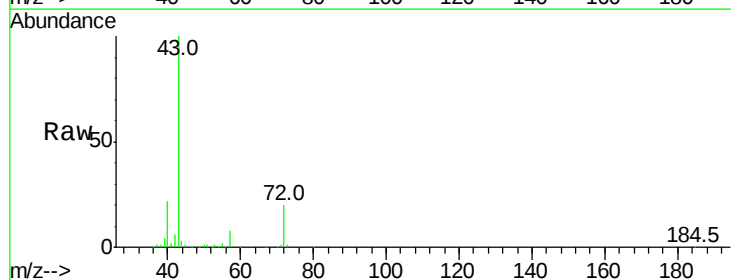


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

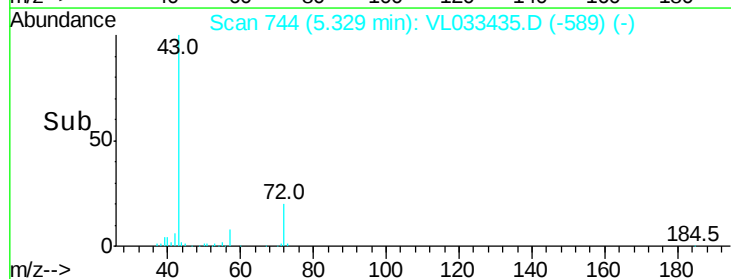
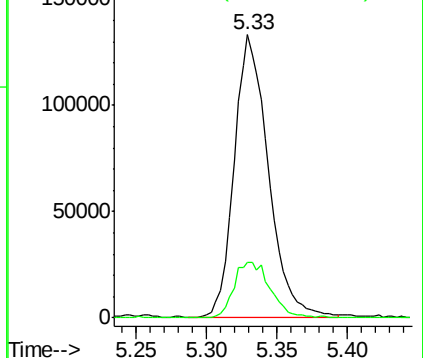


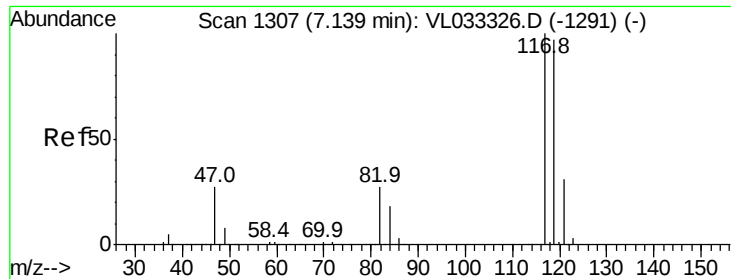
#34
 2-Butanone
 Concen: 1.858 ppbv
 RT: 5.33 min Scan# 744
 Delta R.T. -0.00 min
 Lab File: VL033435.D
 Acq: 25 Mar 2019 11:09

Tgt Ion: 43 Resp: 225125
 Ion Ratio Lower Upper
 43 100
 72 21.1 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: 2.040 ppbv

RT: 7.14 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VL033435.D

Acq: 25 Mar 2019 11:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

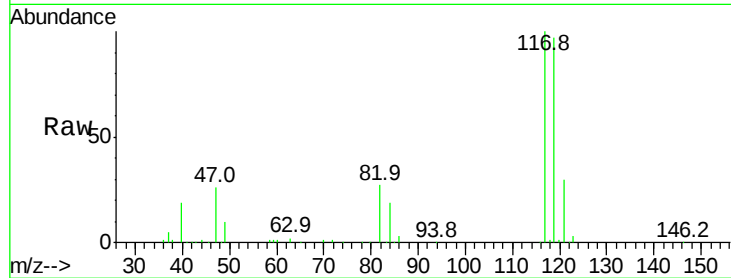
Tgt Ion:117 Resp: 265331

Ion Ratio Lower Upper

117 100

119 96.7 77.4 116.0

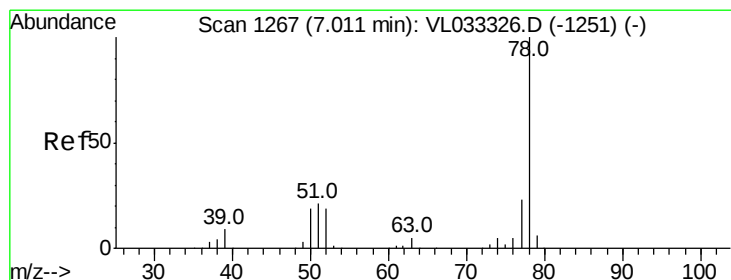
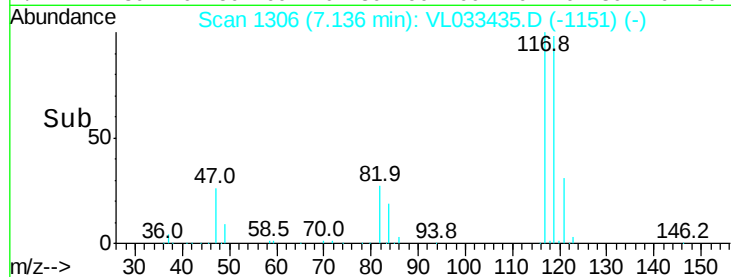
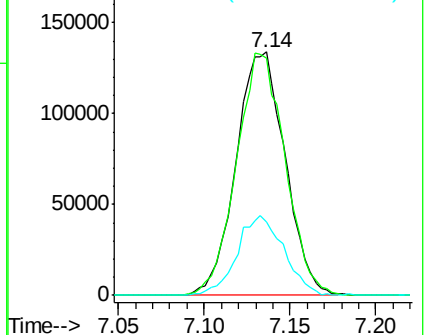
121 30.0 24.9 37.3



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: 1.888 ppbv

RT: 7.00 min Scan# 1265

Delta R.T. -0.01 min

Lab File: VL033435.D

Acq: 25 Mar 2019 11:09

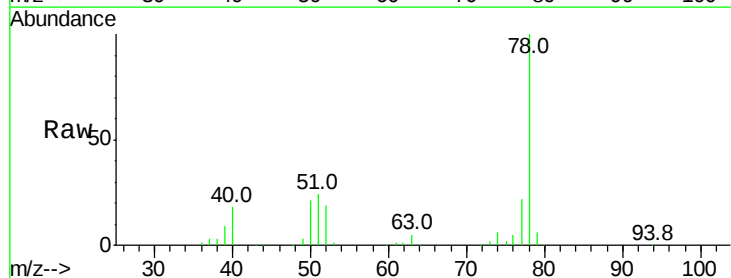
Tgt Ion: 78 Resp: 311732

Ion Ratio Lower Upper

78 100

77 21.7 18.1 27.1

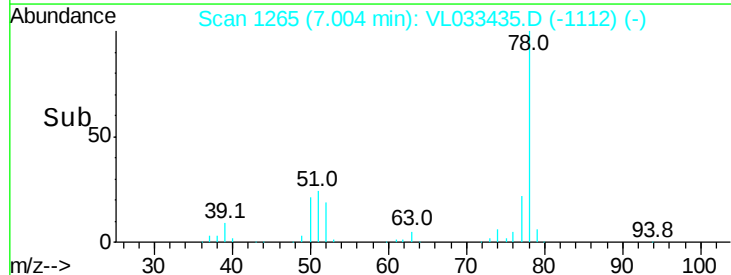
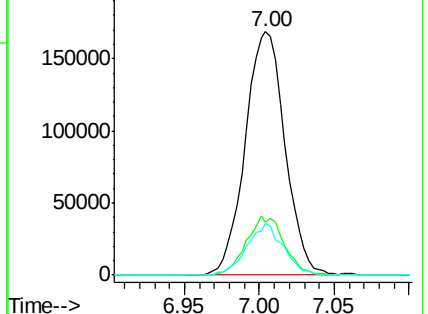
50 21.4 15.2 22.8

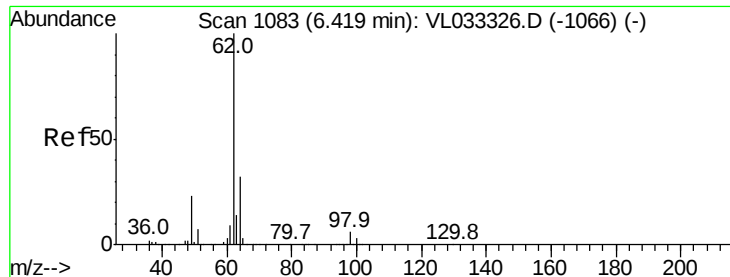


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

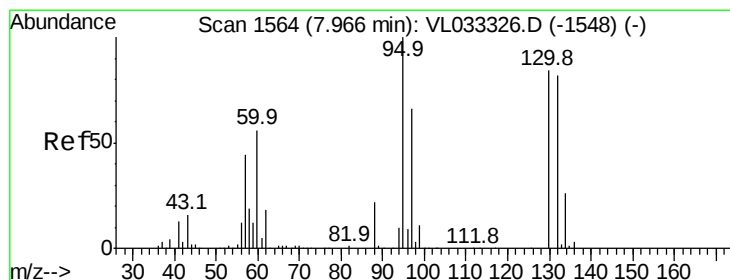
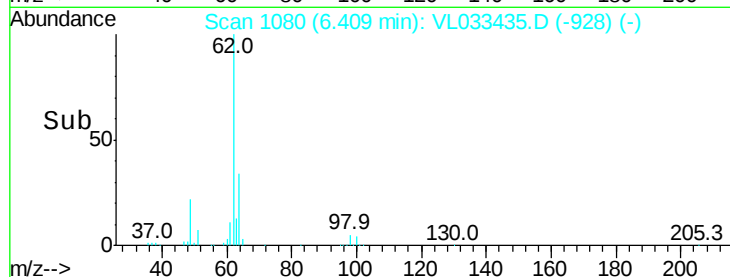
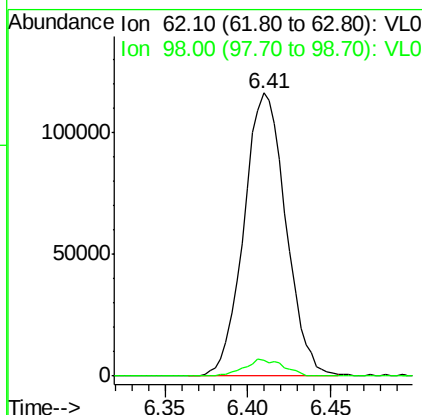
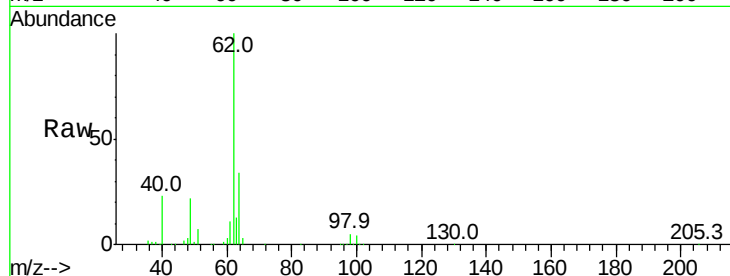




#37
 1,2-Dichloroethane
 Concen: 1.955 ppbv
 RT: 6.41 min Scan# 1080
 Delta R.T. -0.01 min
 Lab File: VL033435.D
 Acq: 25 Mar 2019 11:09

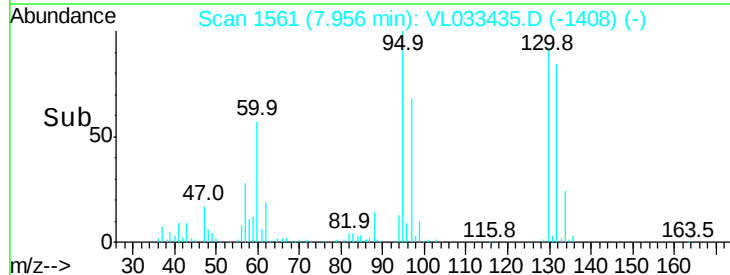
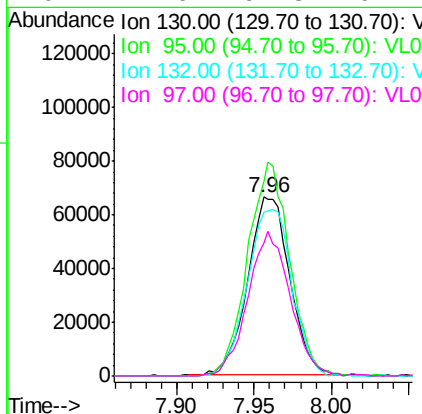
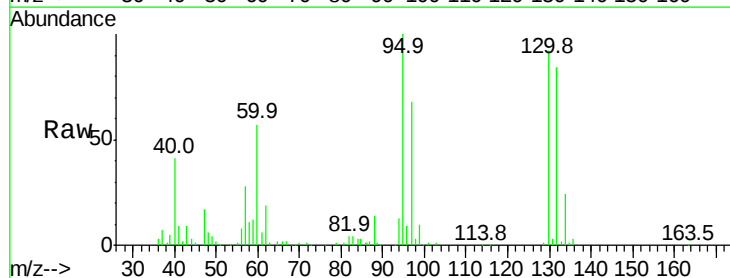
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

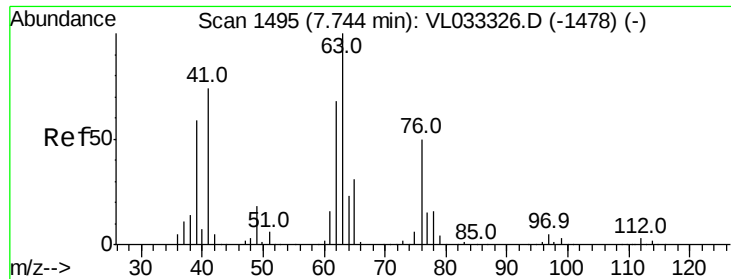
Tgt Ion: 62 Resp: 204057
 Ion Ratio Lower Upper
 62 100
 98 5.7 4.5 6.7



#38
 Trichloroethene
 Concen: 2.012 ppbv
 RT: 7.96 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: VL033435.D
 Acq: 25 Mar 2019 11:09

Tgt Ion: 130 Resp: 125660
 Ion Ratio Lower Upper
 130 100
 95 109.3 95.2 142.8
 132 91.9 77.7 116.5
 97 74.6 62.8 94.2

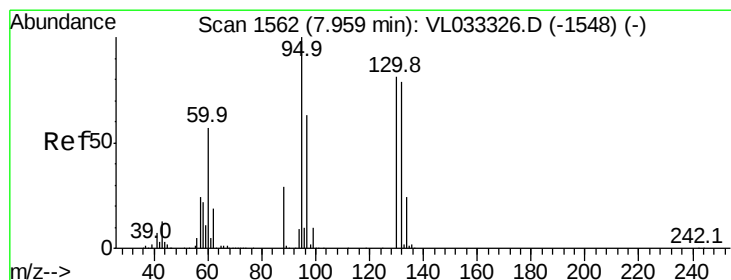
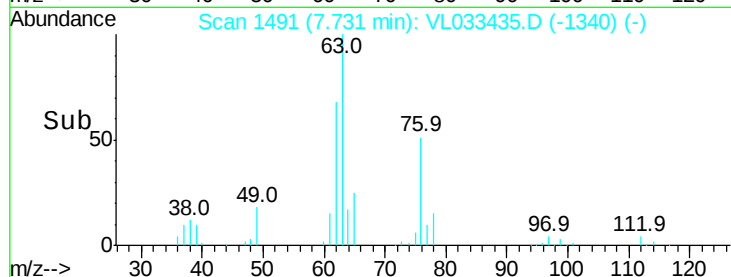
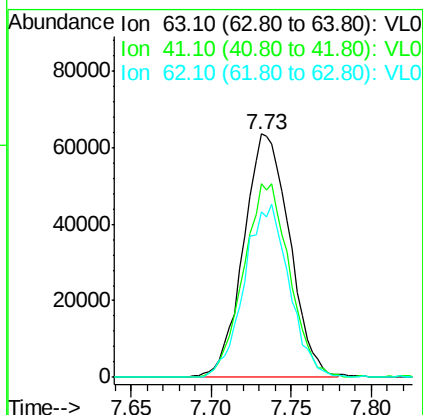
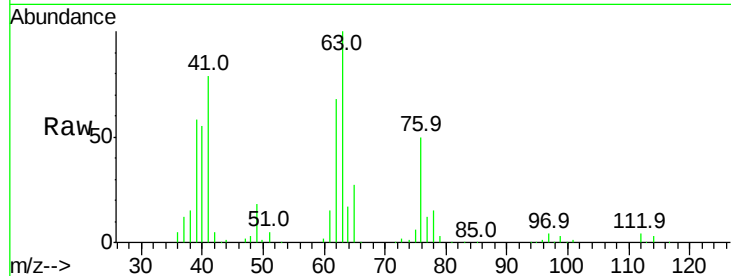




#39
 1,2-Dichloropropane
 Concen: 2.017 ppbv
 RT: 7.73 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: VL033435.D
 Acq: 25 Mar 2019 11:09

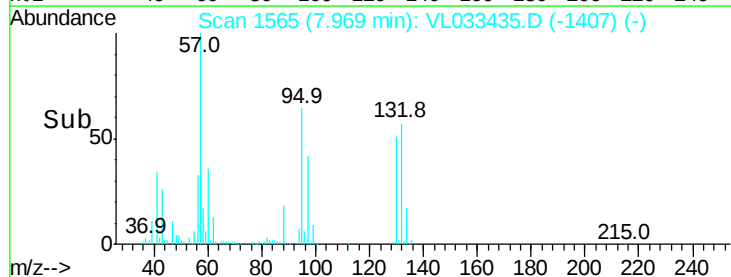
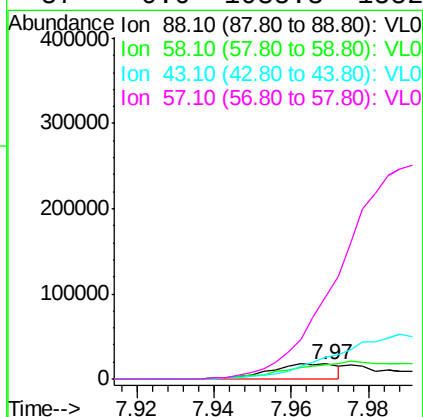
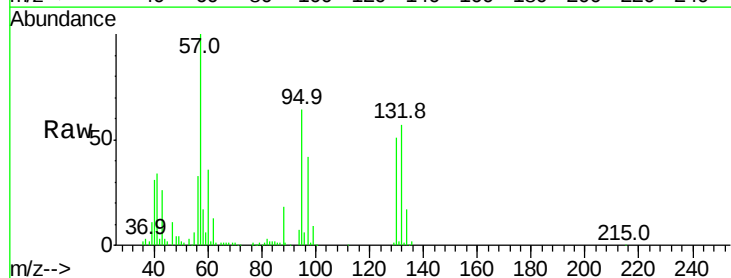
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

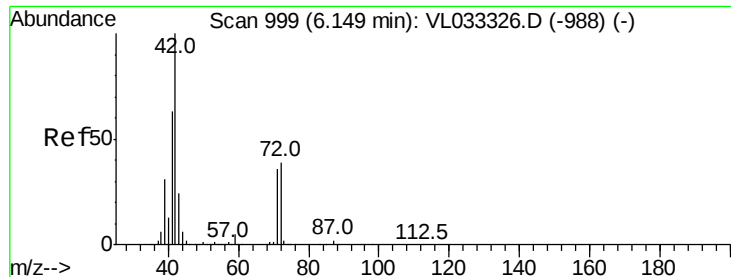
Tgt Ion: 63 Resp: 124715
 Ion Ratio Lower Upper
 63 100
 41 79.5 59.5 89.3
 62 67.9 54.7 82.1



#40
 1,4-Dioxane
 Concen: 0.990 ppbv
 RT: 7.97 min Scan# 1565
 Delta R.T. 0.01 min
 Lab File: VL033435.D
 Acq: 25 Mar 2019 11:09

Tgt Ion: 88 Resp: 21543
 Ion Ratio Lower Upper
 88 100
 58 0.0 107.9 161.9#
 43 0.0 230.8 346.2#
 57 0.0 1035.3 1552.9#

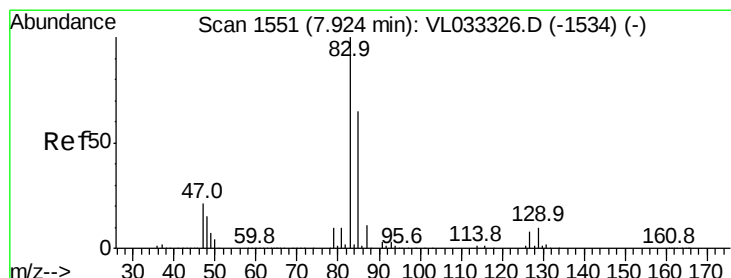
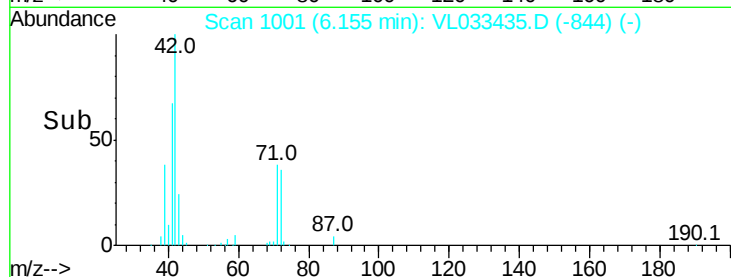
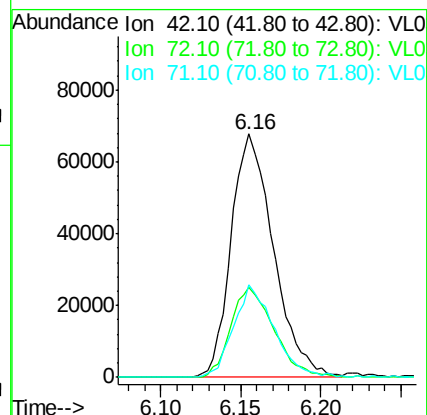
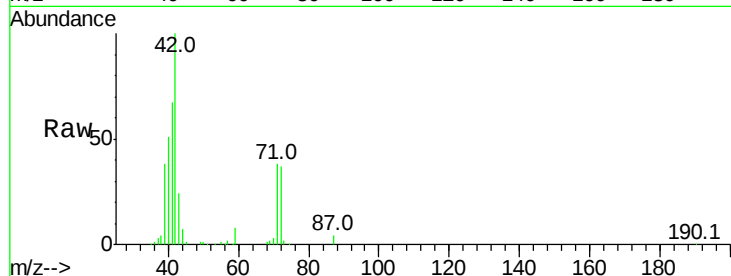




#41
Tetrahydrofuran
Concen: 1.894 ppbv
RT: 6.16 min Scan# 1001
Delta R.T. 0.01 min
Lab File: VL033435.D
Acq: 25 Mar 2019 11:09

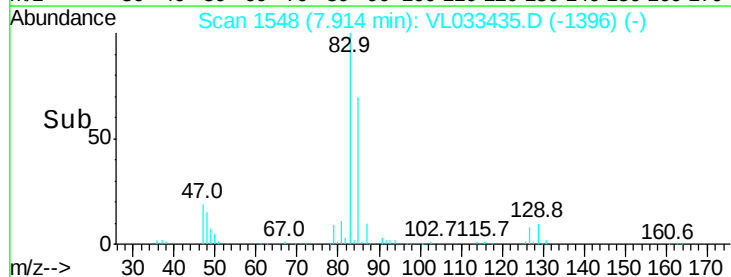
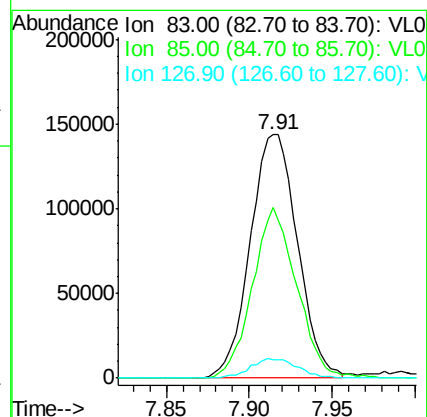
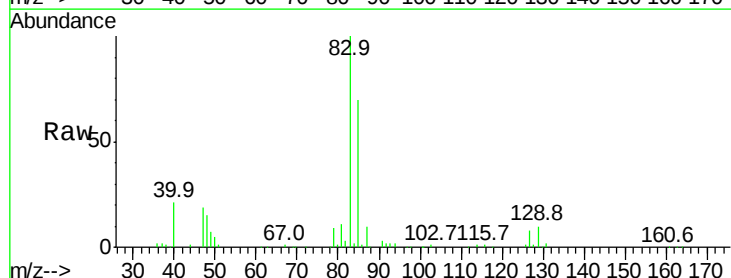
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

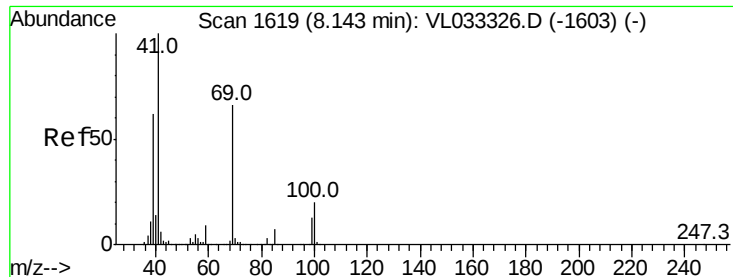
Tgt Ion: 42 Resp: 122430
Ion Ratio Lower Upper
42 100
72 37.9 31.6 47.4
71 36.4 29.9 44.9



#42
Bromodichloromethane
Concen: 2.039 ppbv
RT: 7.91 min Scan# 1548
Delta R.T. -0.01 min
Lab File: VL033435.D
Acq: 25 Mar 2019 11:09

Tgt Ion: 83 Resp: 285294
Ion Ratio Lower Upper
83 100
85 70.3 51.8 77.6
127 7.7 6.2 9.2

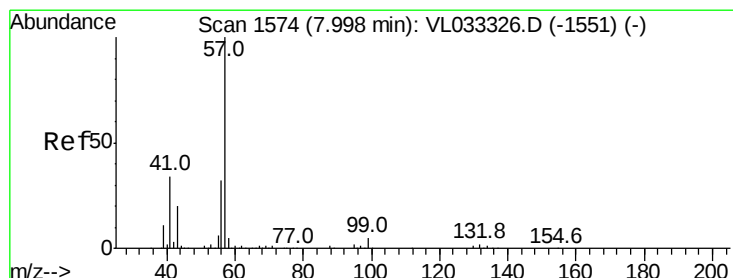
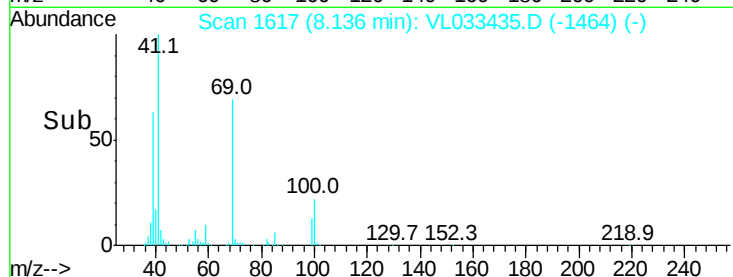
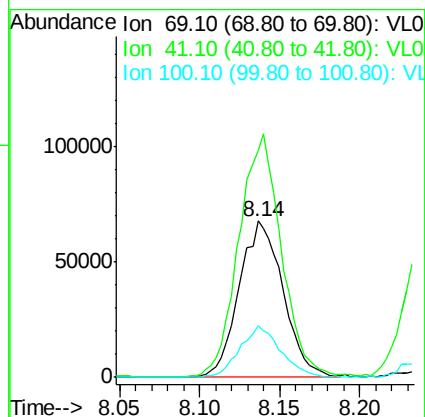
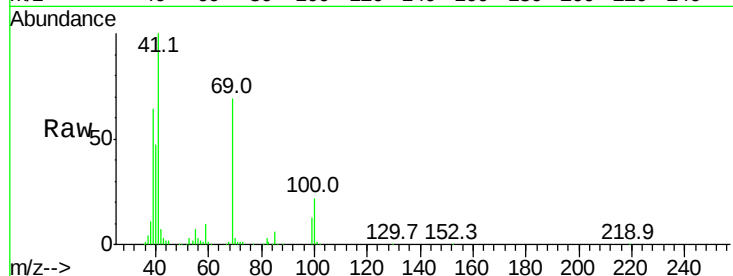




#43
Methyl Methacrylate
Concen: 1.979 ppbv
RT: 8.14 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VL033435.D
Acq: 25 Mar 2019 11:09

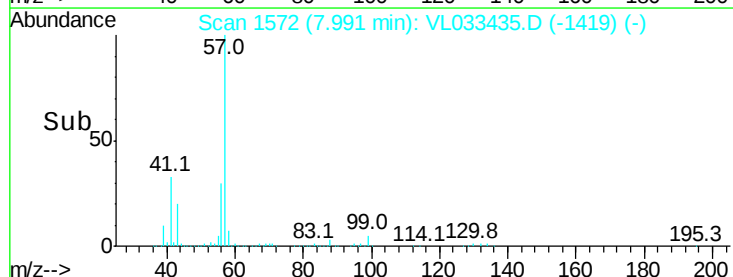
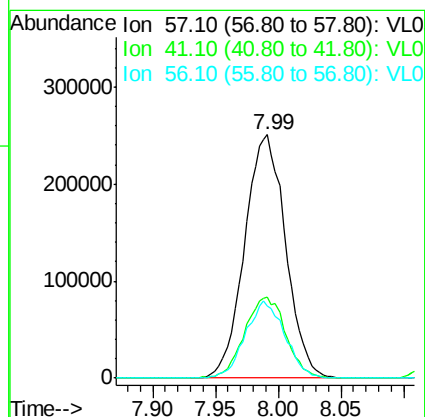
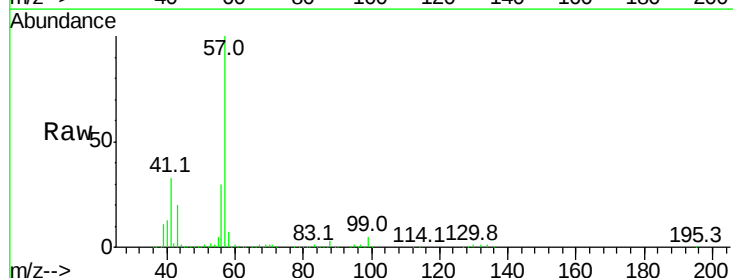
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

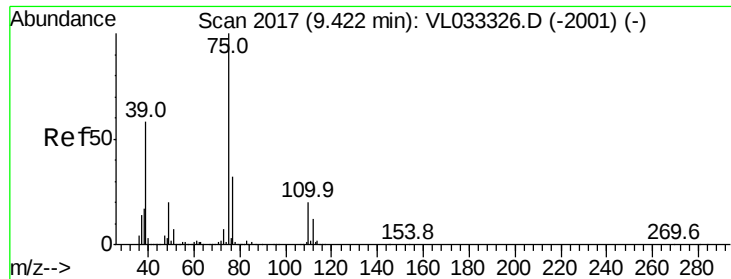
Tgt Ion: 69 Resp: 127229
Ion Ratio Lower Upper
69 100
41 149.9 119.5 179.3
100 30.6 24.4 36.6



#44
2,2,4-Trimethylpentane
Concen: 2.078 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.01 min
Lab File: VL033435.D
Acq: 25 Mar 2019 11:09

Tgt Ion: 57 Resp: 568296
Ion Ratio Lower Upper
57 100
41 33.5 26.0 39.0
56 30.5 24.6 36.8





#45

t-1,3-Dichloropropene

Concen: 1.911 ppbv

RT: 9.42 min Scan# 2015

Delta R.T. -0.01 min

Lab File: VL033435.D

Acq: 25 Mar 2019 11:09

Instrument :

MSVOA_L

ClientSampleId :

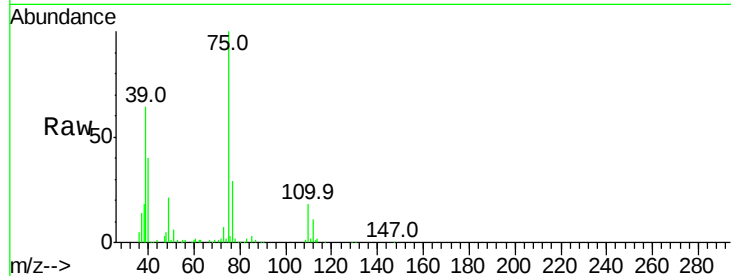
VSTDIC002

Tgt Ion: 75 Resp: 151677

Ion Ratio Lower Upper

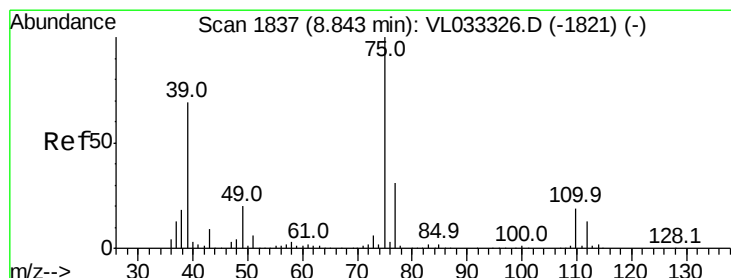
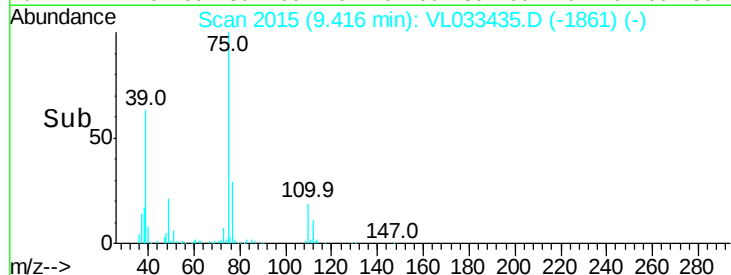
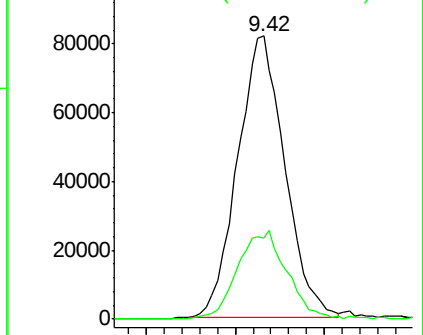
75 100

77 28.7 25.5 38.3



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 1.930 ppbv

RT: 8.83 min Scan# 1833

Delta R.T. -0.01 min

Lab File: VL033435.D

Acq: 25 Mar 2019 11:09

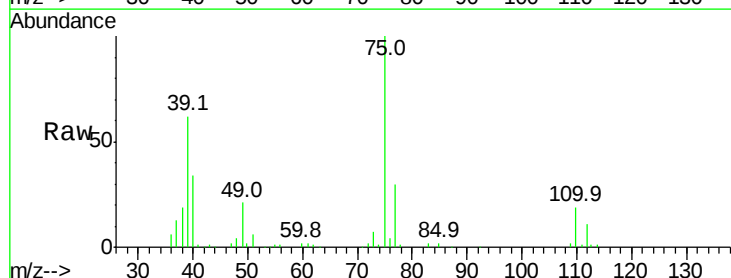
Tgt Ion: 75 Resp: 180305

Ion Ratio Lower Upper

75 100

39 62.4 55.0 82.6

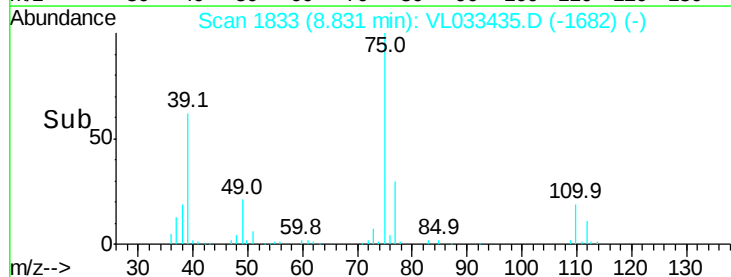
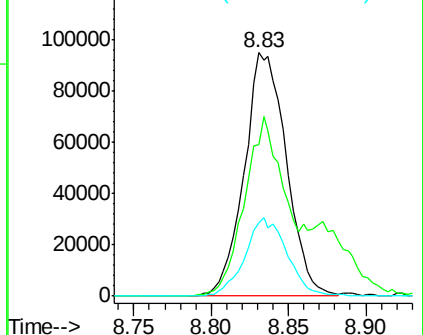
77 30.3 24.5 36.7

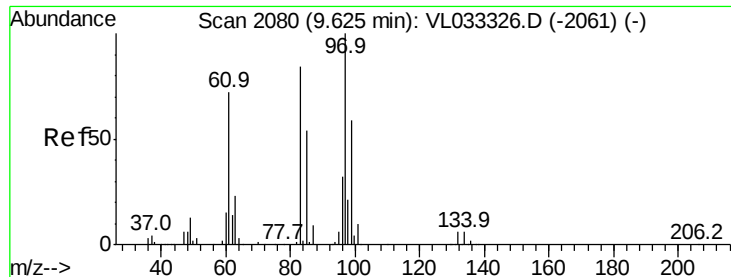


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

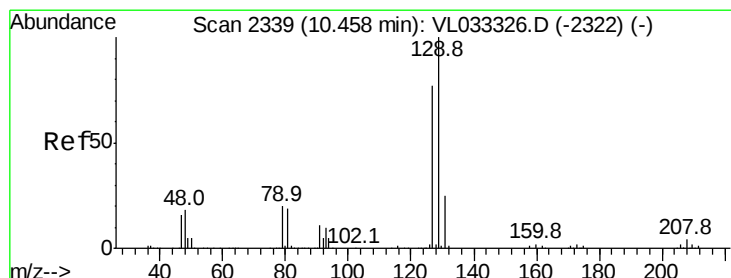
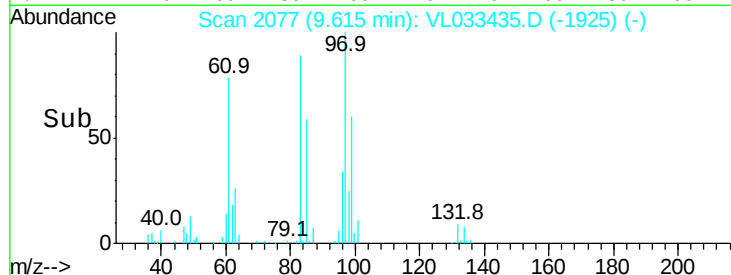
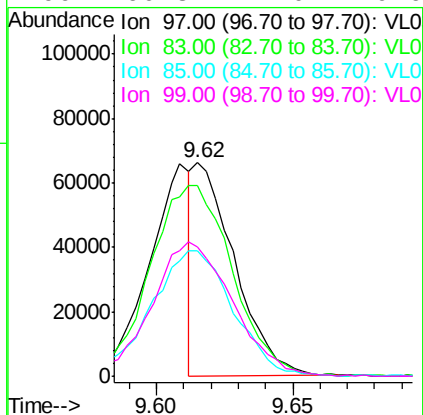
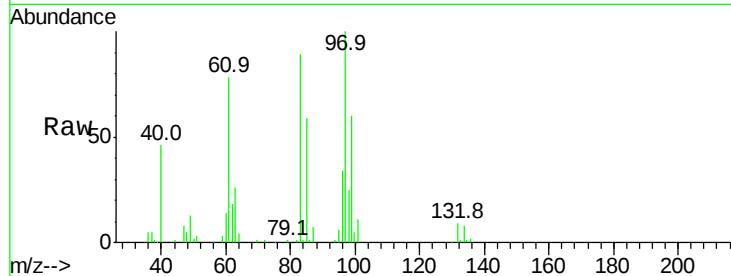




#47
 1,1,2-Trichloroethane
 Concen: 0.997 ppbv
 RT: 9.62 min Scan# 2077
 Delta R.T. -0.01 min
 Lab File: VL033435.D
 Acq: 25 Mar 2019 11:09

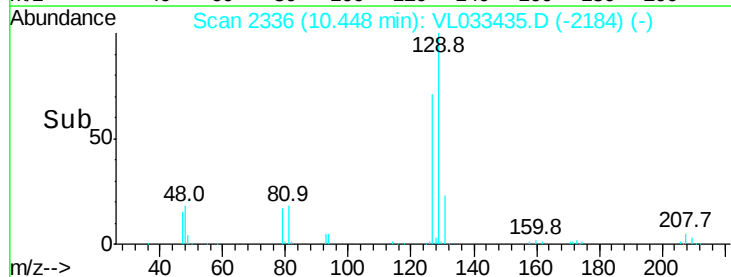
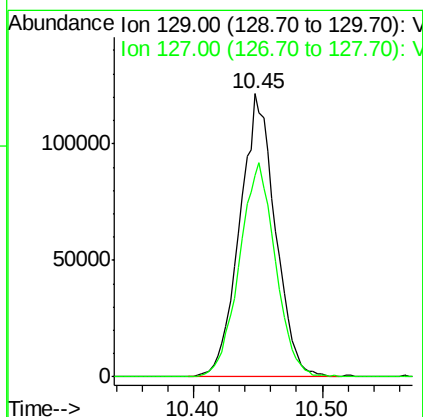
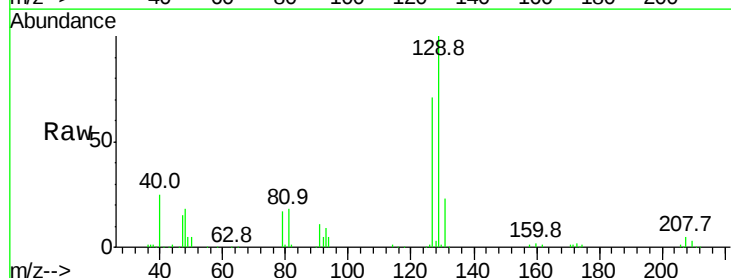
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

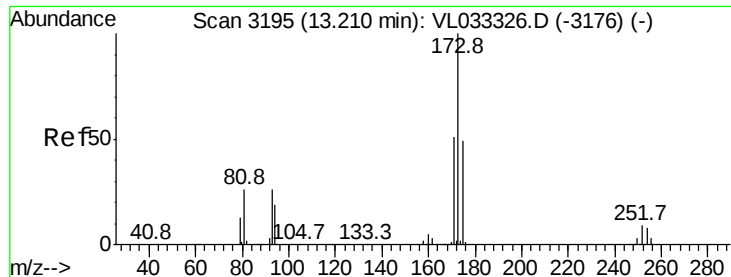
Tgt Ion: 97 Resp: 68121
 Ion Ratio Lower Upper
 97 100
 83 89.9 67.4 101.0
 85 59.3 43.0 64.4
 99 60.3 47.0 70.6



#48
 Dibromochloromethane
 Concen: 2.033 ppbv
 RT: 10.45 min Scan# 2336
 Delta R.T. -0.01 min
 Lab File: VL033435.D
 Acq: 25 Mar 2019 11:09

Tgt Ion: 129 Resp: 232870
 Ion Ratio Lower Upper
 129 100
 127 76.7 38.9 116.6





#49

Bromoform

Concen: 1.911 ppbv

RT: 13.20 min Scan# 3191

Delta R.T. -0.01 min

Lab File: VL033435.D

Acq: 25 Mar 2019 11:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

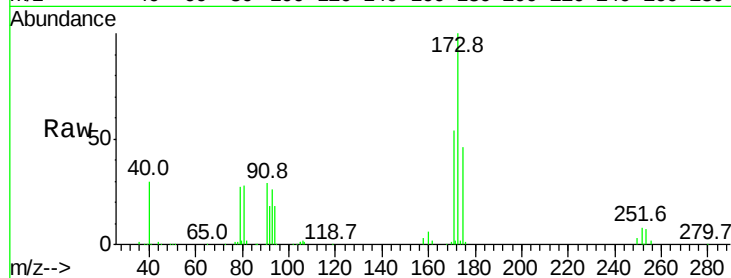
Tgt Ion: 173 Resp: 207633

Ion Ratio Lower Upper

173 100

175 48.7 39.0 58.6

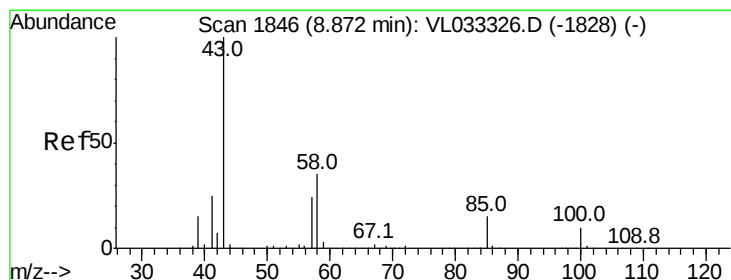
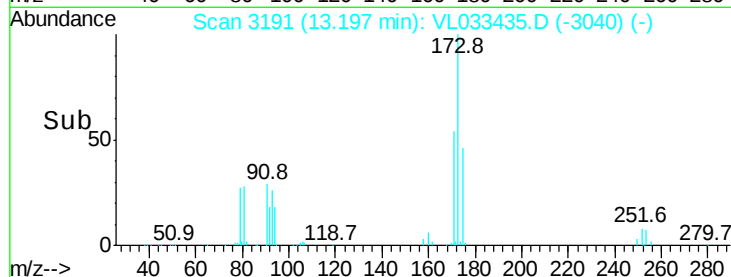
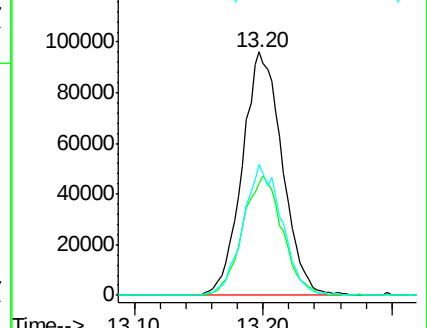
171 52.2 41.7 62.5



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: 1.957 ppbv

RT: 8.87 min Scan# 1846

Delta R.T. -0.00 min

Lab File: VL033435.D

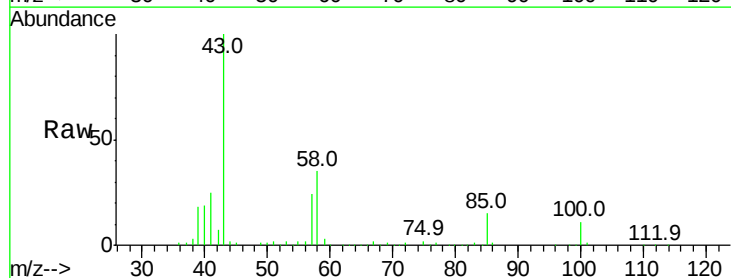
Acq: 25 Mar 2019 11:09

Tgt Ion: 43 Resp: 334796

Ion Ratio Lower Upper

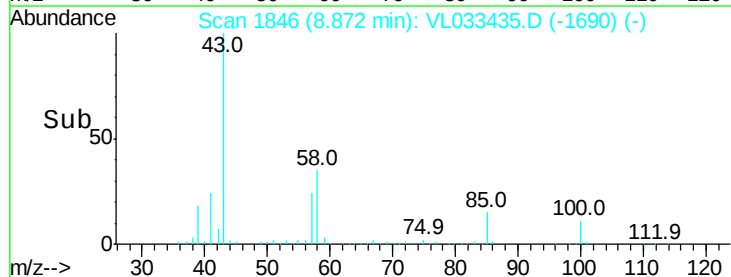
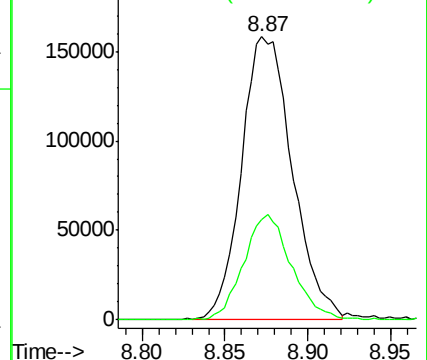
43 100

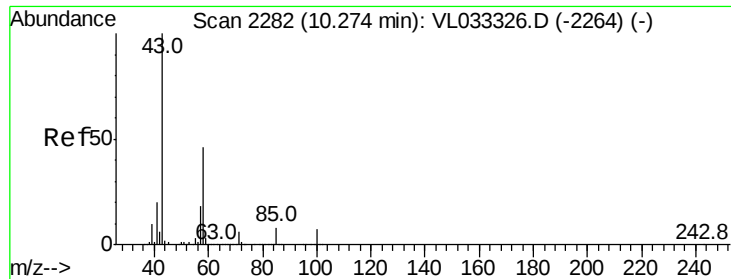
58 35.6 28.4 42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

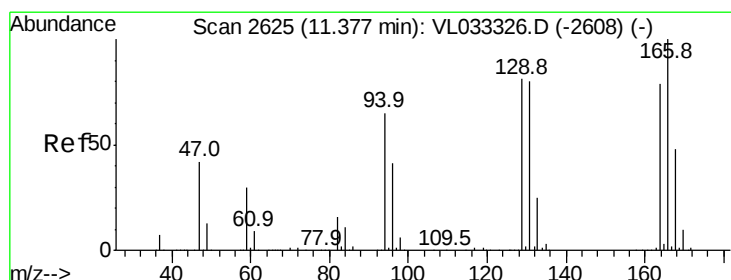
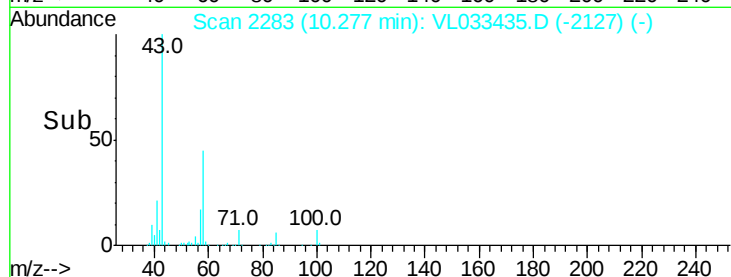
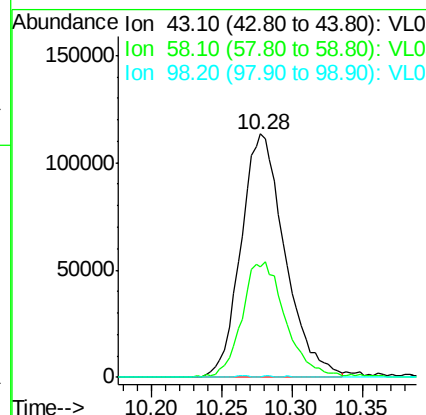
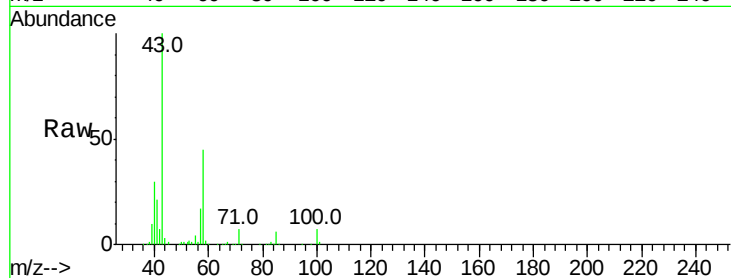




#51
2-Hexanone
Concen: 1.878 ppbv
RT: 10.28 min Scan# 2283
Delta R.T. 0.00 min
Lab File: VL033435.D
Acq: 25 Mar 2019 11:09

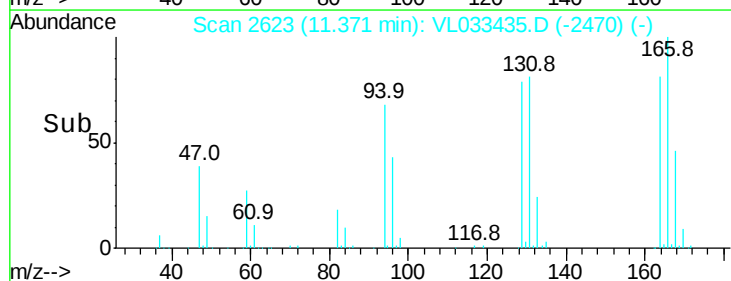
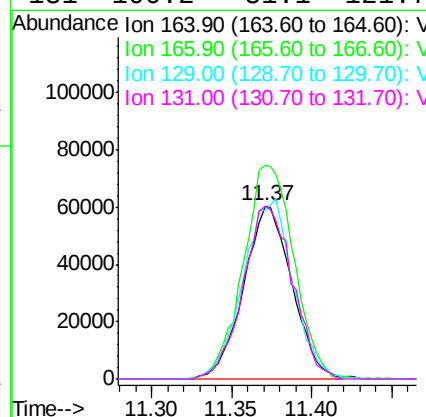
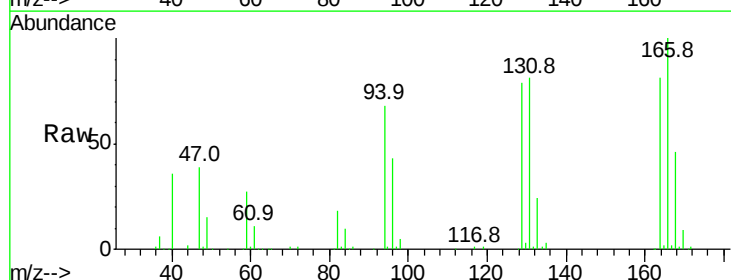
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

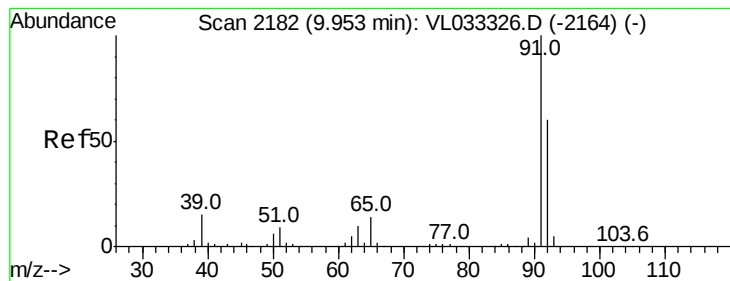
Tgt Ion: 43 Resp: 247887
Ion Ratio Lower Upper
43 100
58 47.7 38.0 57.0
98 0.7 0.1 0.1#



#52
Tetrachloroethene
Concen: 1.809 ppbv
RT: 11.37 min Scan# 2623
Delta R.T. -0.01 min
Lab File: VL033435.D
Acq: 25 Mar 2019 11:09

Tgt Ion: 164 Resp: 124435
Ion Ratio Lower Upper
164 100
166 123.0 101.5 152.3
129 97.0 82.2 123.2
131 100.2 81.1 121.7





#53

Toluene

Concen: 1.982 ppbv

RT: 9.95 min Scan# 2180

Delta R.T. -0.01 min

Lab File: VL033435.D

Acq: 25 Mar 2019 11:09

Instrument :

MSVOA_L

ClientSampleId :

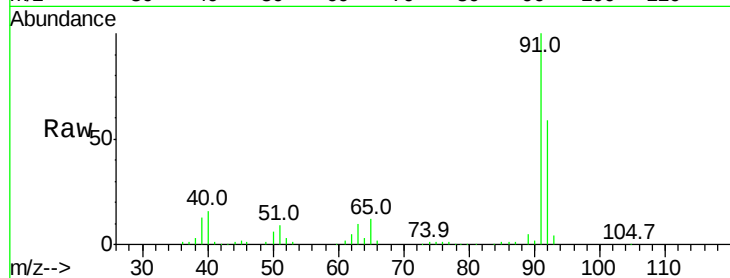
VSTDIC002

Tgt Ion: 91 Resp: 371711

Ion Ratio Lower Upper

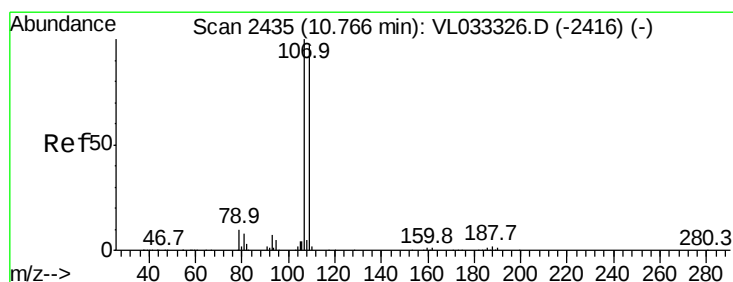
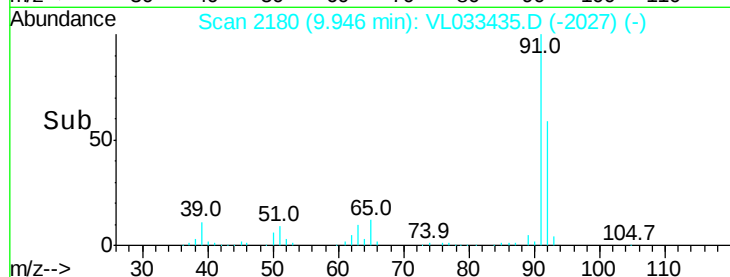
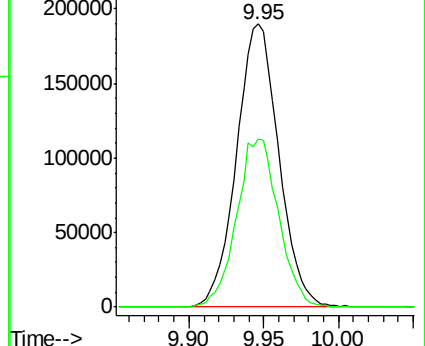
91 100

92 59.7 47.4 71.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 1.853 ppbv

RT: 10.76 min Scan# 2432

Delta R.T. -0.01 min

Lab File: VL033435.D

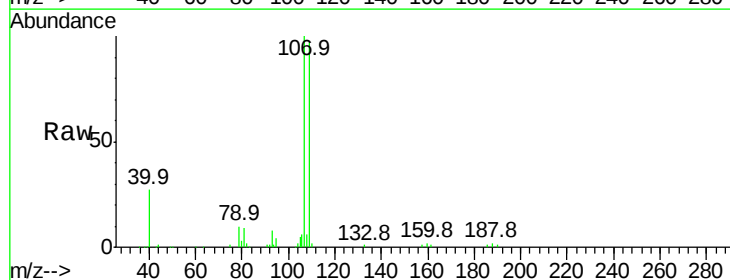
Acq: 25 Mar 2019 11:09

Tgt Ion: 107 Resp: 213983

Ion Ratio Lower Upper

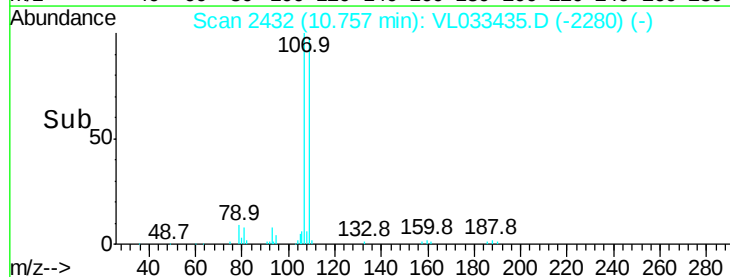
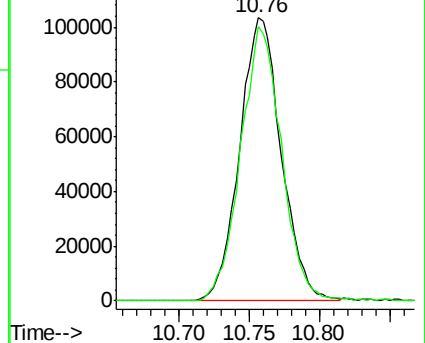
107 100

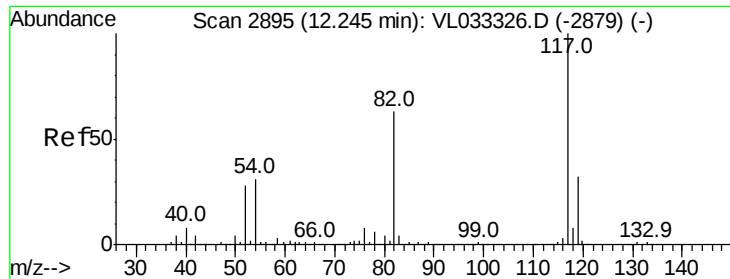
109 97.0 77.2 115.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

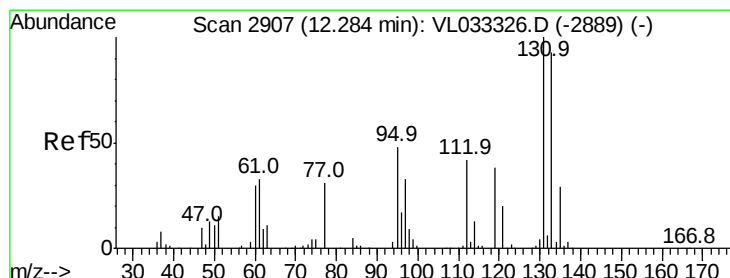
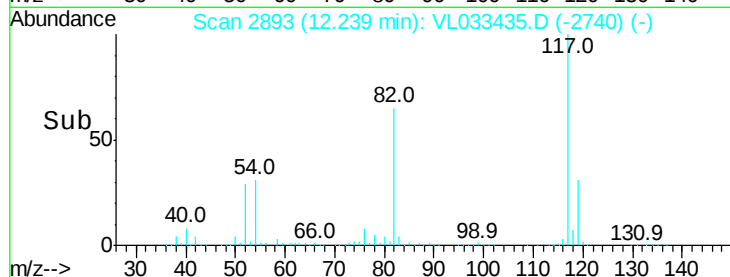
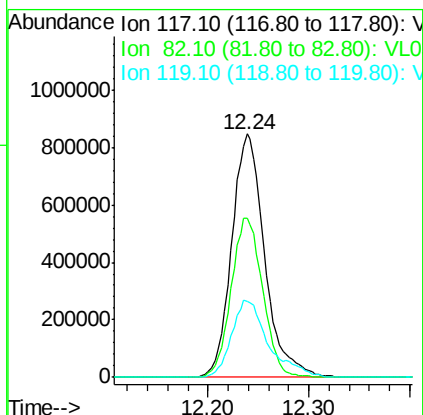
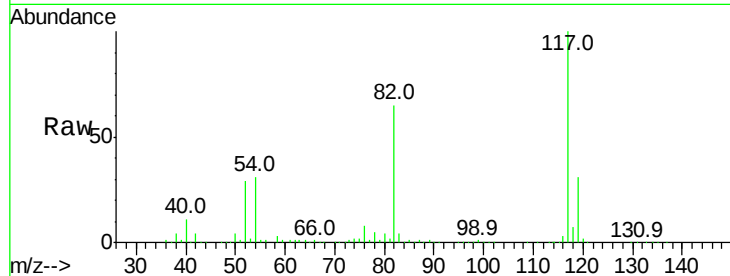




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL033435.D
Acq: 25 Mar 2019 11:09

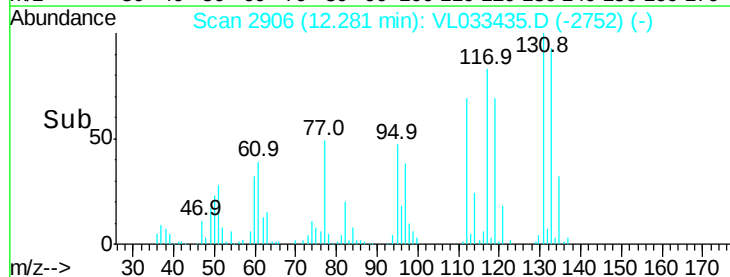
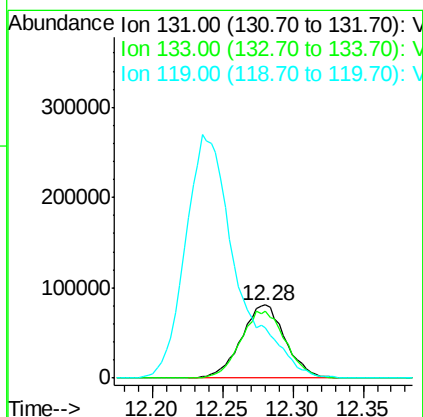
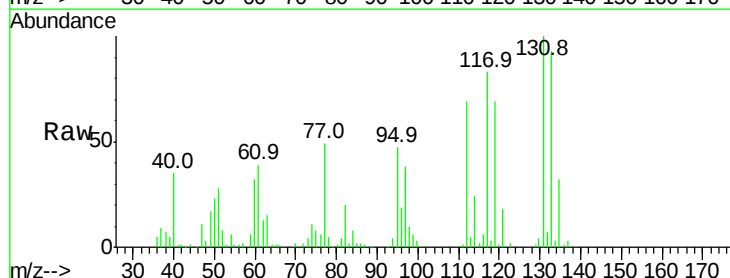
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

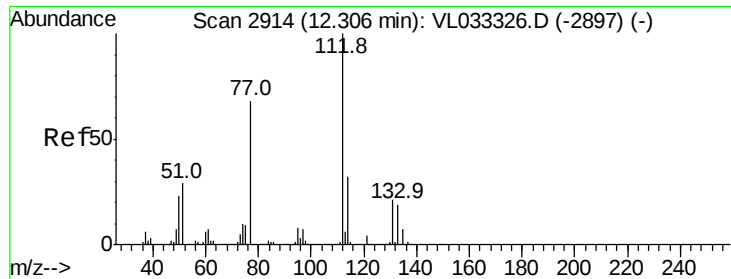
Tgt Ion:117 Resp: 1919299
Ion Ratio Lower Upper
117 100
82 62.9 53.4 80.2
119 35.7 27.3 40.9



#56
1,1,1,2-Tetrachloroethane
Concen: 2.059 ppbv
RT: 12.28 min Scan# 2906
Delta R.T. -0.00 min
Lab File: VL033435.D
Acq: 25 Mar 2019 11:09

Tgt Ion:131 Resp: 176798
Ion Ratio Lower Upper
131 100
133 93.6 76.7 115.1
119 387.2 40.3 60.5#

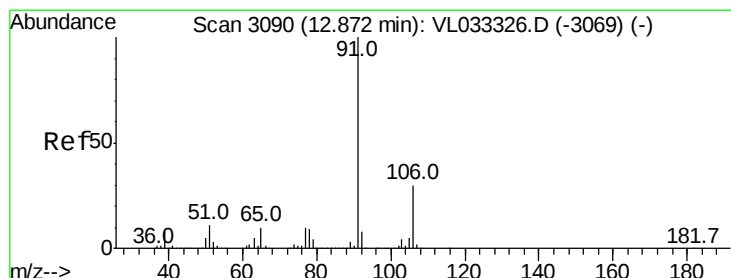
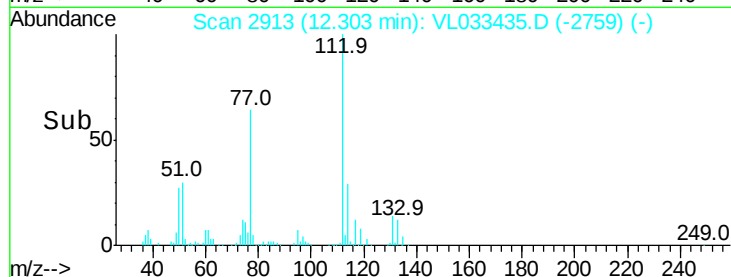
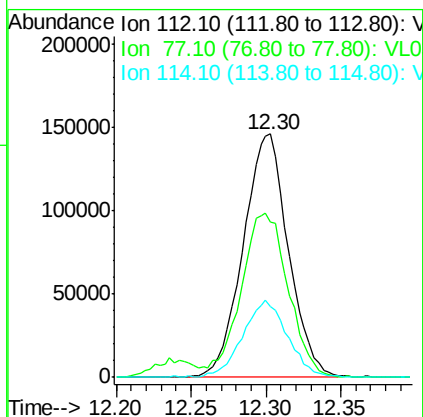
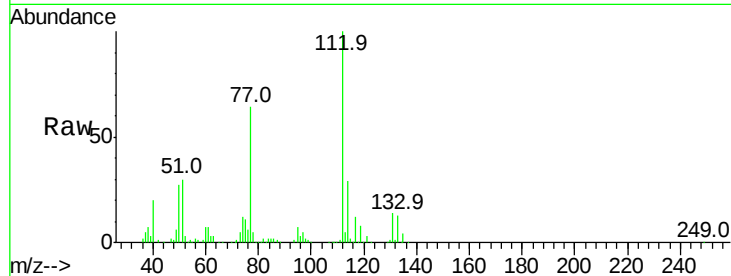




#57
Chlorobenzene
Concen: 2.014 ppbv
RT: 12.30 min Scan# 2913
Delta R.T. -0.00 min
Lab File: VL033435.D
Acq: 25 Mar 2019 11:09

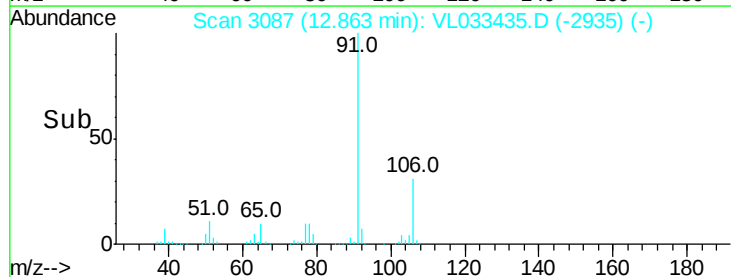
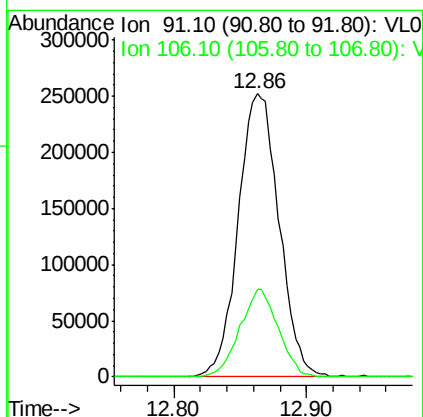
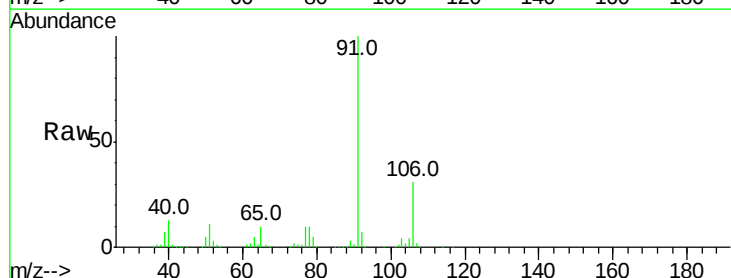
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

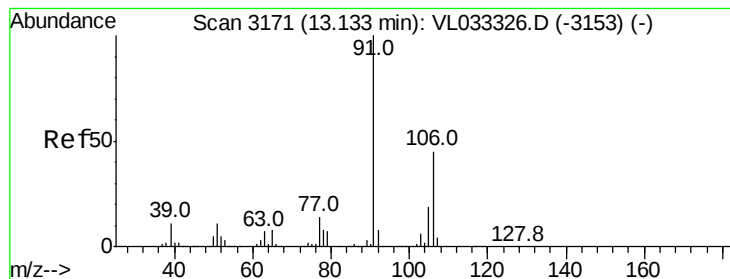
Tgt Ion: 112 Resp: 306212
Ion Ratio Lower Upper
112 100
77 63.5 55.8 83.6
114 28.9 28.6 35.0



#58
Ethyl Benzene
Concen: 1.979 ppbv
RT: 12.86 min Scan# 3087
Delta R.T. -0.01 min
Lab File: VL033435.D
Acq: 25 Mar 2019 11:09

Tgt Ion: 91 Resp: 537370
Ion Ratio Lower Upper
91 100
106 30.8 24.2 36.2





#59

m/p-Xylene

Concen: 2.076 ppbv

RT: 13.13 min Scan# 3169

Delta R.T. -0.01 min

Lab File: VL033435.D

Acq: 25 Mar 2019 11:09

Instrument :

MSVOA_L

ClientSampleId :

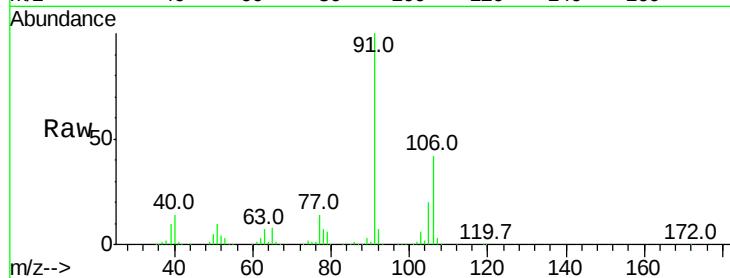
VSTDIC002

Tgt Ion: 91 Resp: 484290

Ion Ratio Lower Upper

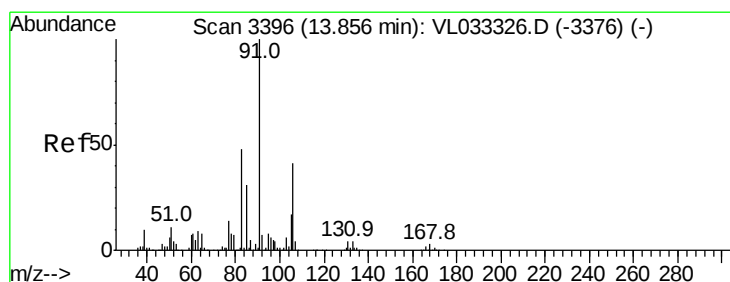
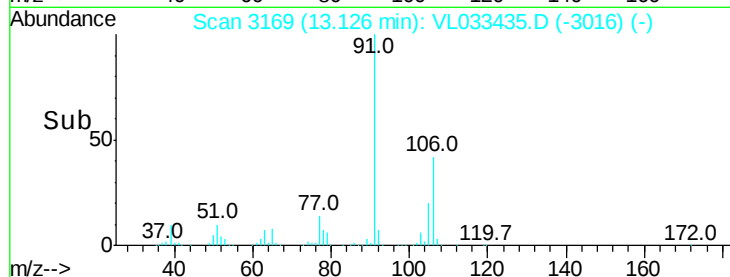
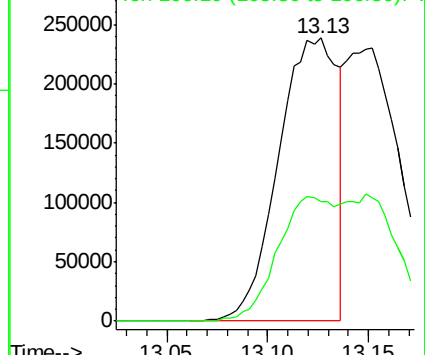
91 100

106 0.0 0.0 0.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 2.044 ppbv

RT: 13.85 min Scan# 3393

Delta R.T. -0.01 min

Lab File: VL033435.D

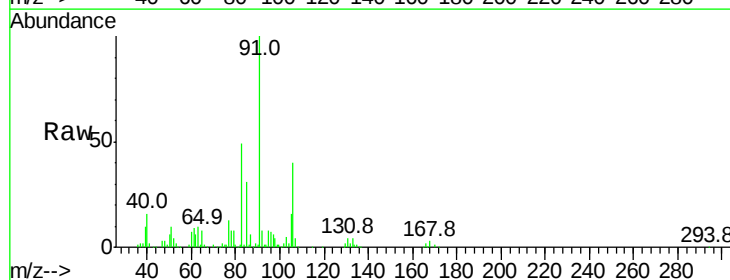
Acq: 25 Mar 2019 11:09

Tgt Ion: 91 Resp: 465392

Ion Ratio Lower Upper

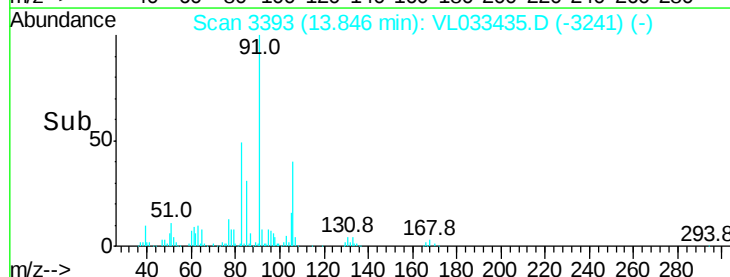
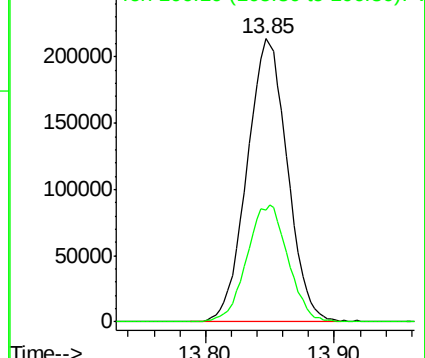
91 100

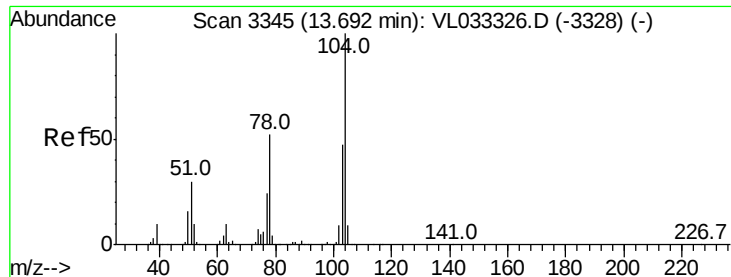
106 42.2 21.3 63.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

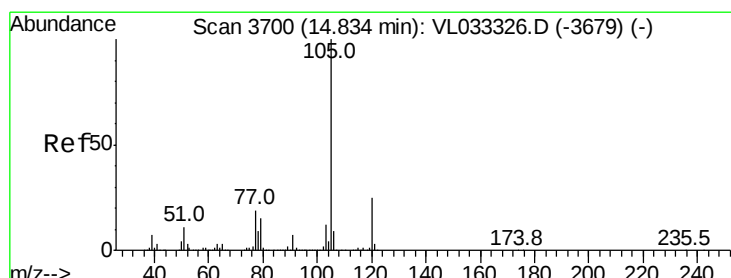
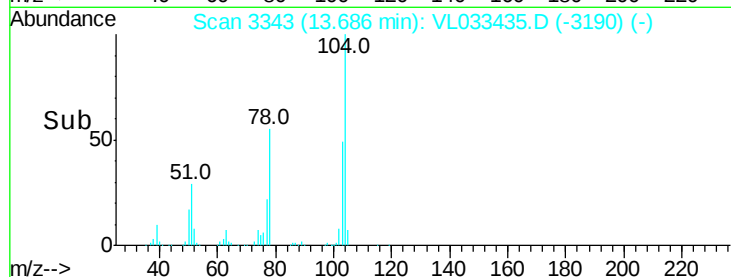
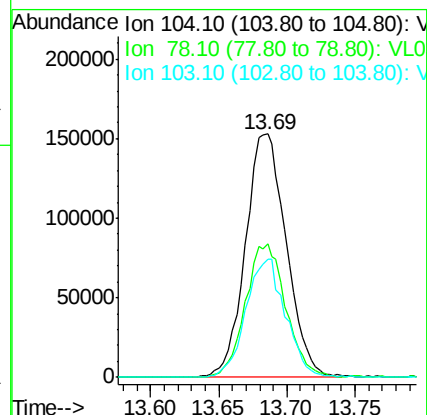
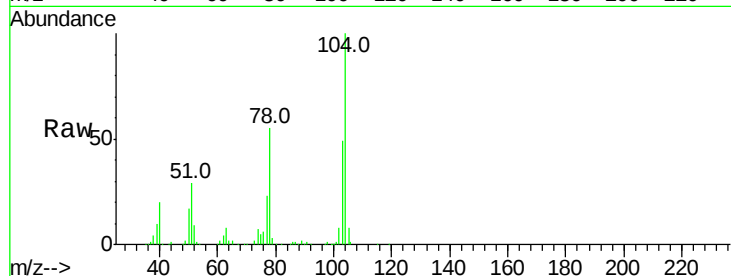




#61
Styrene
Concen: 1.996 ppbv
RT: 13.69 min Scan# 3343
Delta R.T. -0.01 min
Lab File: VL033435.D
Acq: 25 Mar 2019 11:09

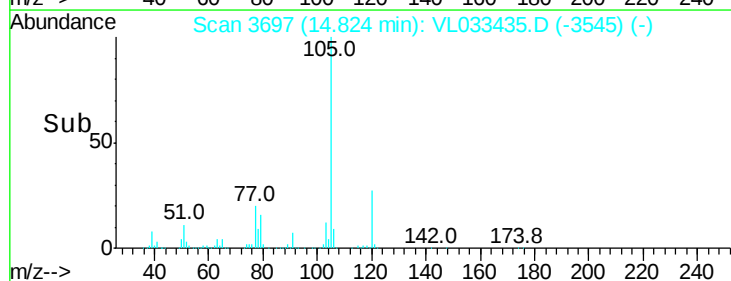
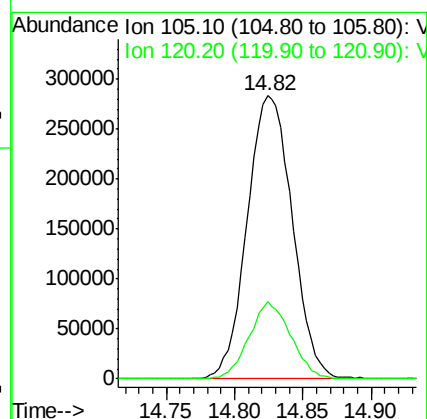
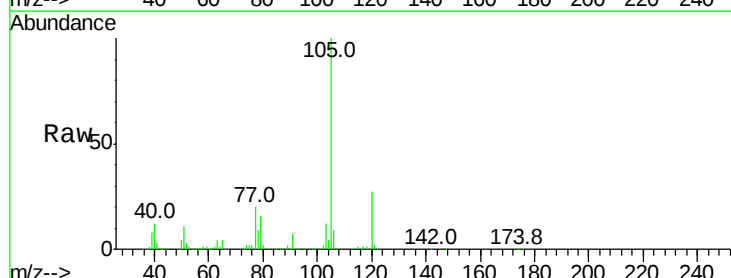
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

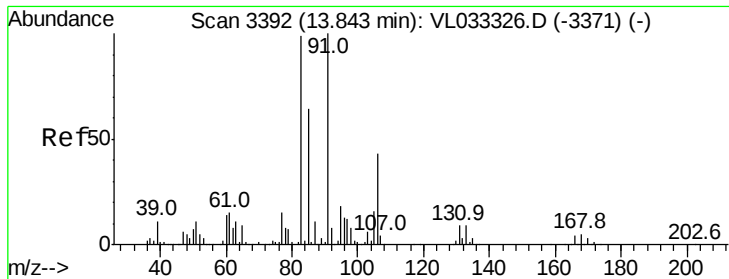
Tgt Ion:104 Resp: 318203
Ion Ratio Lower Upper
104 100
78 54.2 42.7 64.1
103 47.5 38.0 57.0



#62
Isopropylbenzene
Concen: 2.050 ppbv
RT: 14.82 min Scan# 3697
Delta R.T. -0.01 min
Lab File: VL033435.D
Acq: 25 Mar 2019 11:09

Tgt Ion:105 Resp: 648744
Ion Ratio Lower Upper
105 100
120 25.3 19.9 29.9

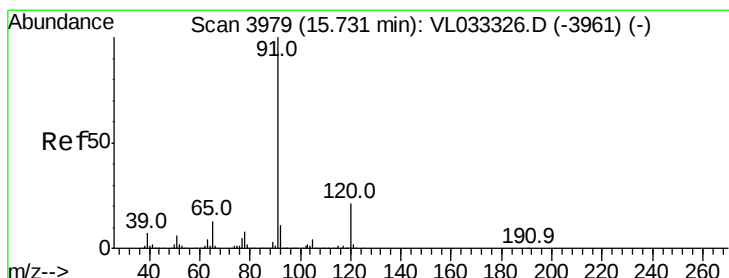
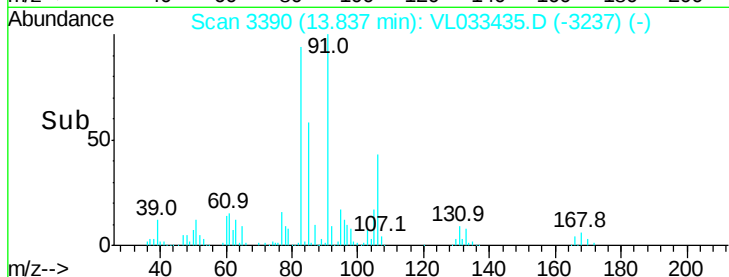
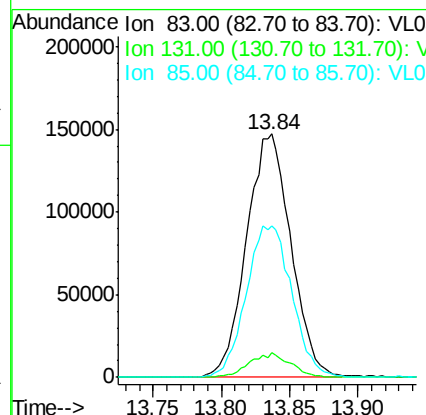
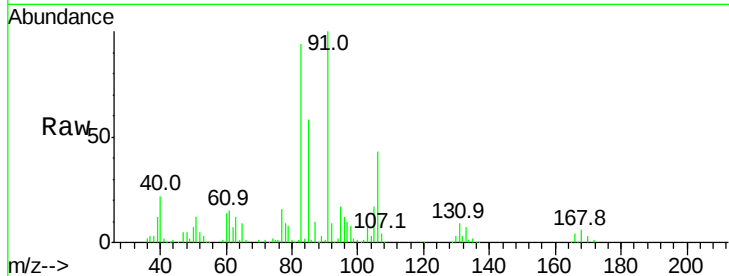




#63
 1,1,2,2-Tetrachloroethane
 Concen: 2.024 ppbv
 RT: 13.84 min Scan# 3390
 Delta R.T. -0.01 min
 Lab File: VL033435.D
 Acq: 25 Mar 2019 11:09

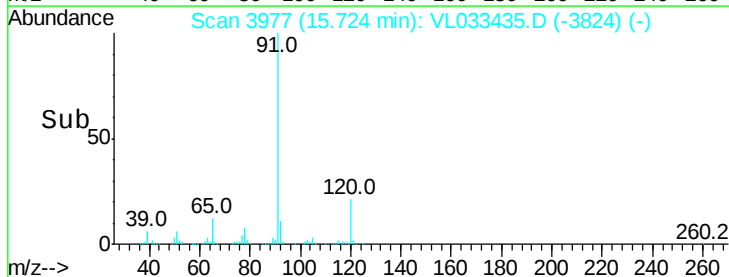
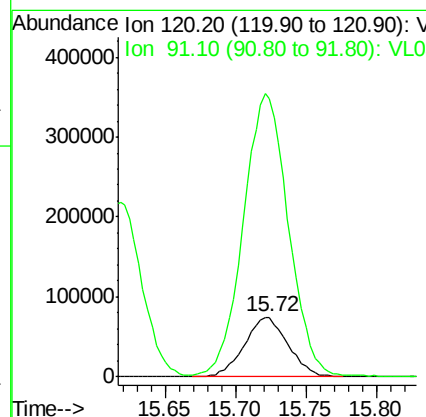
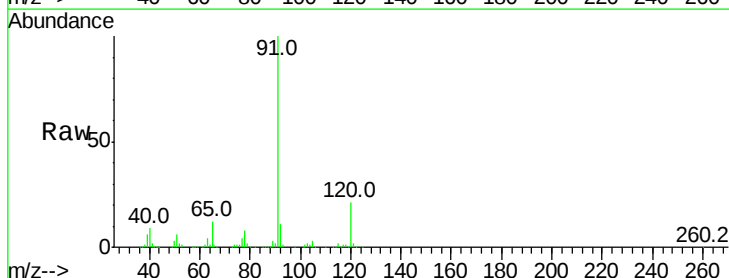
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

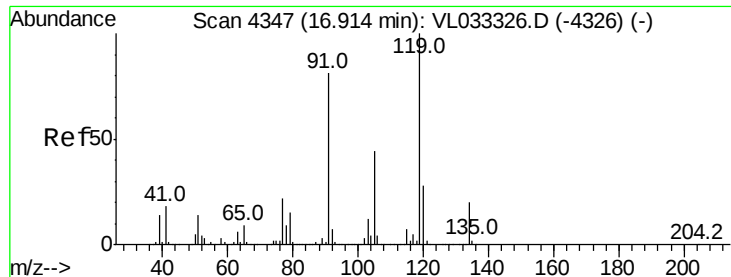
Tgt Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.7	14.0
85	64.0	32.5	97.4



#64
 n-propylbenzene
 Concen: 2.012 ppbv
 RT: 15.72 min Scan# 3977
 Delta R.T. -0.01 min
 Lab File: VL033435.D
 Acq: 25 Mar 2019 11:09

Tgt Ion	Ratio	Lower	Upper
120	100		
91	491.1	389.8	584.6

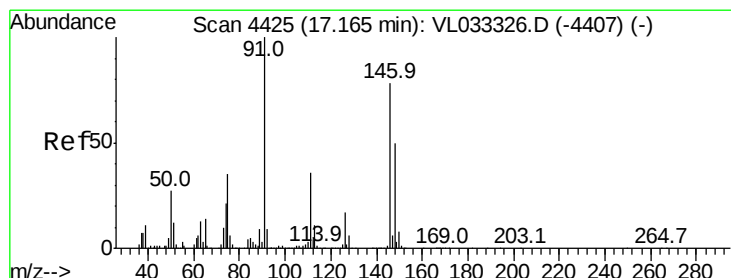
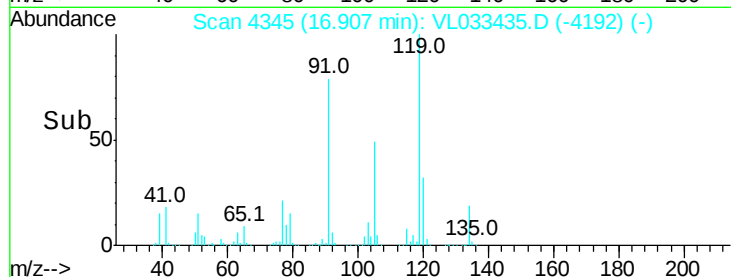
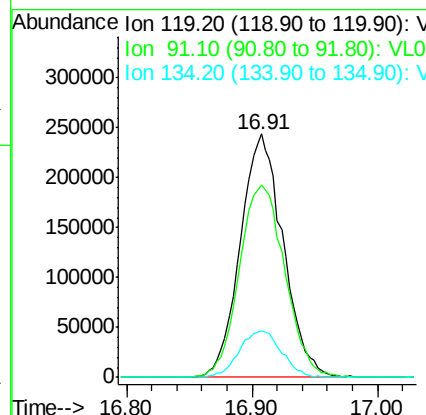
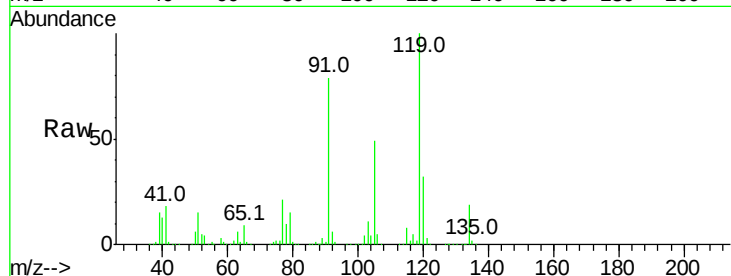




#65
 tert-Butylbenzene
 Concen: 2.024 ppbv
 RT: 16.91 min Scan# 4345
 Delta R.T. -0.01 min
 Lab File: VL033435.D
 Acq: 25 Mar 2019 11:09

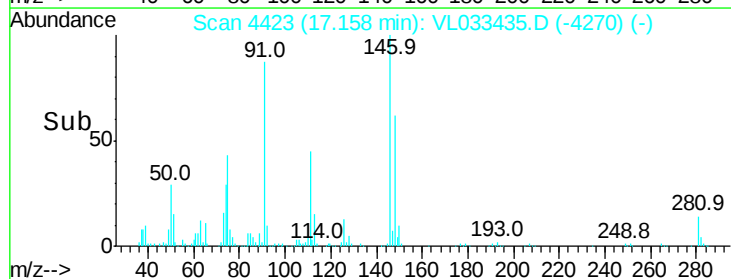
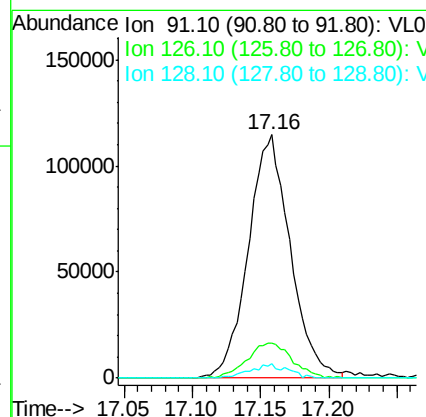
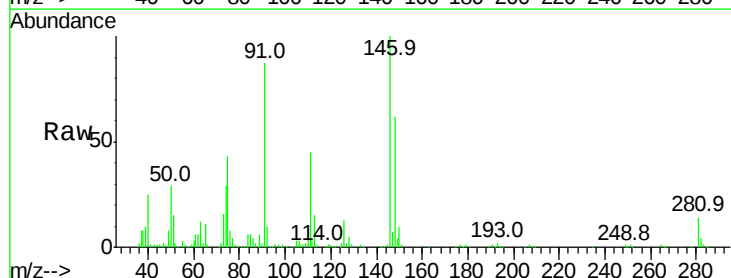
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

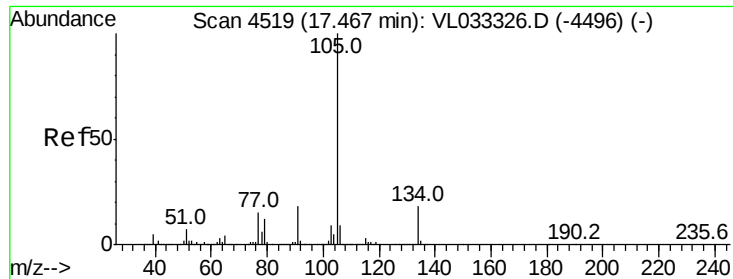
Tgt Ion: 119 Resp: 576750
 Ion Ratio Lower Upper
 119 100
 91 84.5 67.2 100.8
 134 19.1 15.4 23.2



#66
 Benzyl Chloride
 Concen: 2.081 ppbv
 RT: 17.16 min Scan# 4423
 Delta R.T. -0.01 min
 Lab File: VL033435.D
 Acq: 25 Mar 2019 11:09

Tgt Ion: 91 Resp: 244983
 Ion Ratio Lower Upper
 91 100
 126 15.7 13.2 19.8
 128 5.2 4.2 6.4

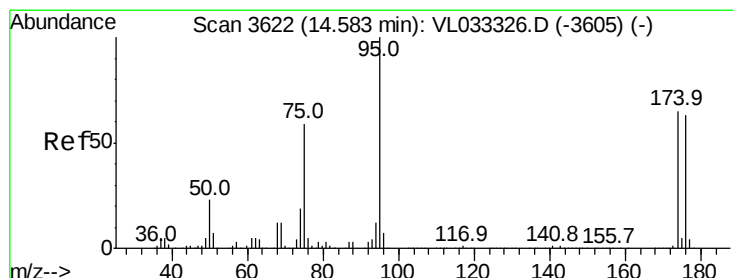
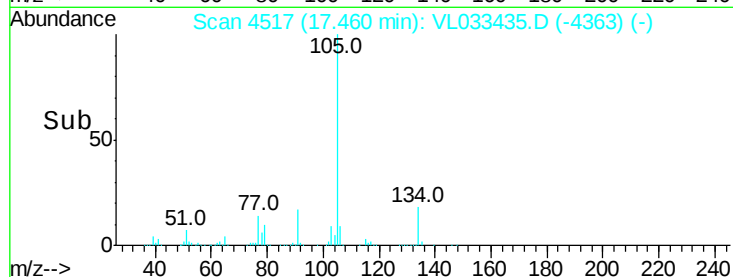
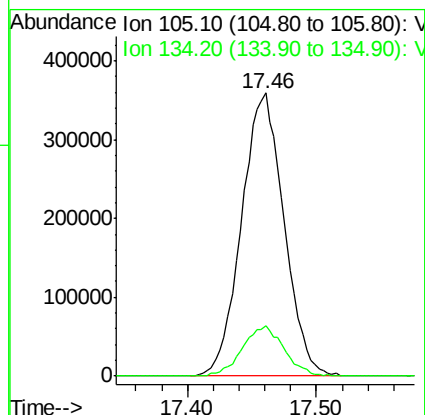
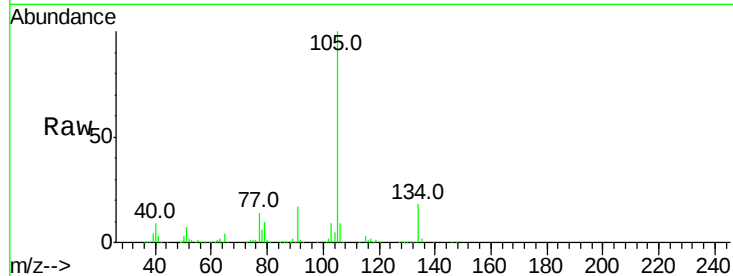




#67
 sec-Butylbenzene
 Concen: 2.032 ppbv
 RT: 17.46 min Scan# 4517
 Delta R.T. -0.01 min
 Lab File: VL033435.D
 Acq: 25 Mar 2019 11:09

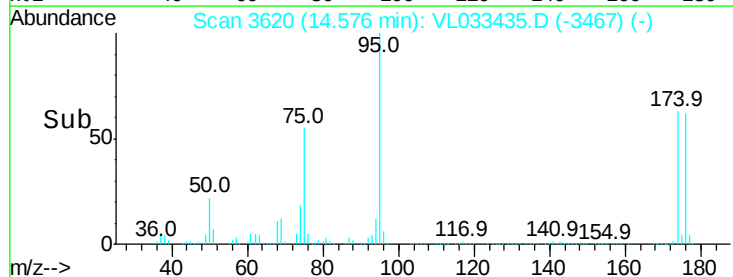
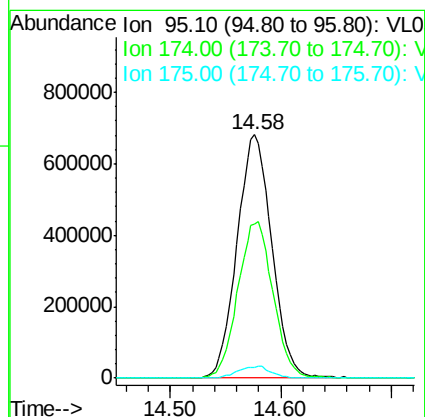
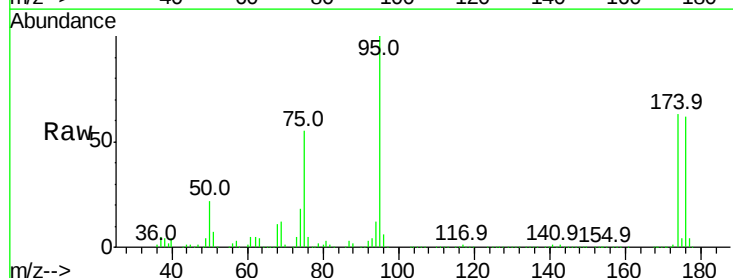
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

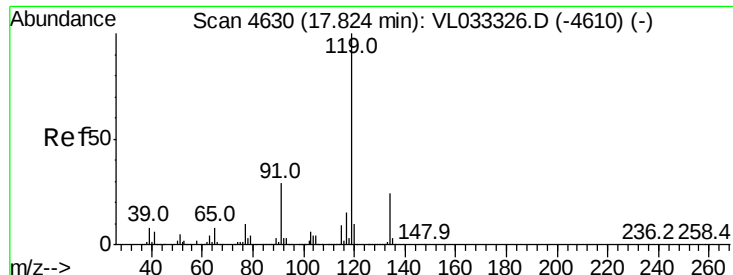
Tgt Ion: 105 Resp: 820434
 Ion Ratio Lower Upper
 105 100
 134 17.6 14.2 21.4



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.480 ppbv
 RT: 14.58 min Scan# 3620
 Delta R.T. -0.01 min
 Lab File: VL033435.D
 Acq: 25 Mar 2019 11:09

Tgt Ion: 95 Resp: 1490412
 Ion Ratio Lower Upper
 95 100
 174 64.9 51.5 77.3
 175 4.7 3.8 5.6

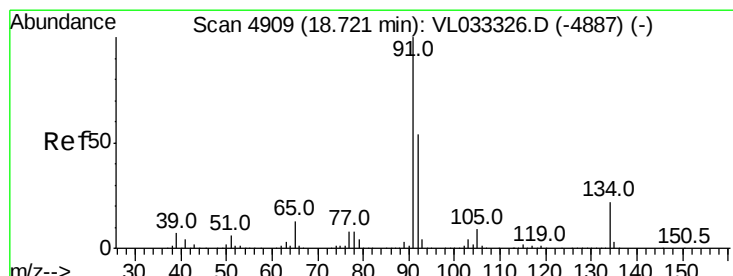
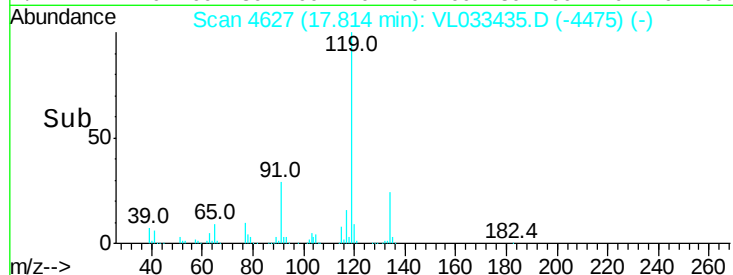
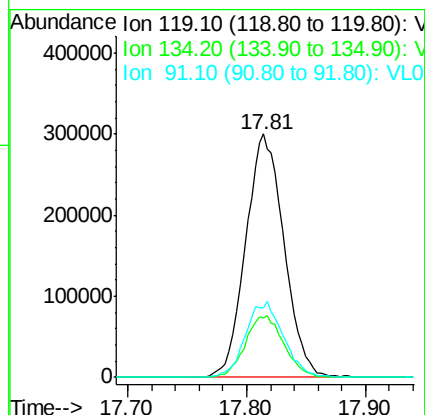
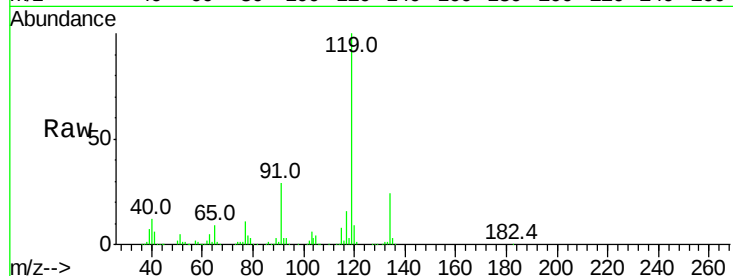




#69
p-Isopropyltoluene
Concen: 2.026 ppbv
RT: 17.81 min Scan# 4627
Delta R.T. -0.01 min
Lab File: VL033435.D
Acq: 25 Mar 2019 11:09

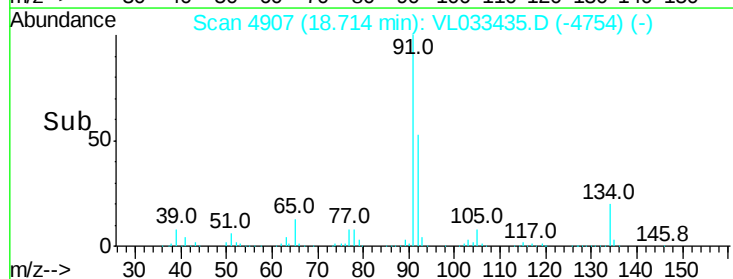
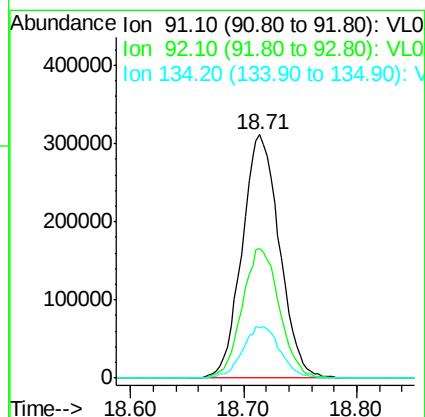
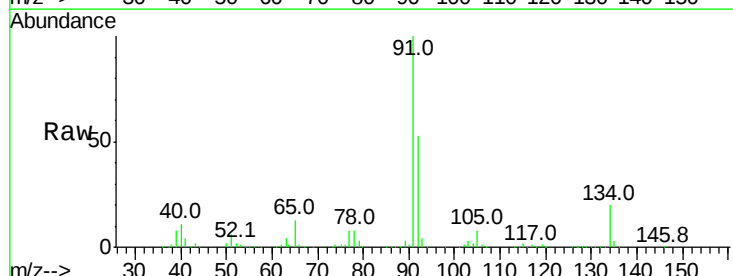
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

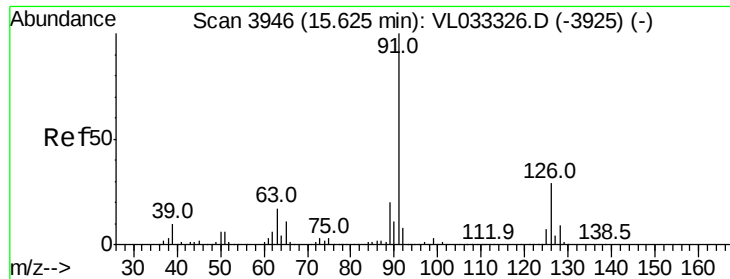
Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.4	19.8	29.6
91	30.9	23.4	35.2



#70
n-Butylbenzene
Concen: 2.028 ppbv
RT: 18.71 min Scan# 4907
Delta R.T. -0.01 min
Lab File: VL033435.D
Acq: 25 Mar 2019 11:09

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.3	42.8	64.2
134	21.3	17.4	26.0





#71

2-Chlorotoluene

Concen: 1.980 ppbv

RT: 15.62 min Scan# 3944

Delta R.T. -0.01 min

Lab File: VL033435.D

Acq: 25 Mar 2019 11:09

Instrument :

MSVOA_L

ClientSampleId :

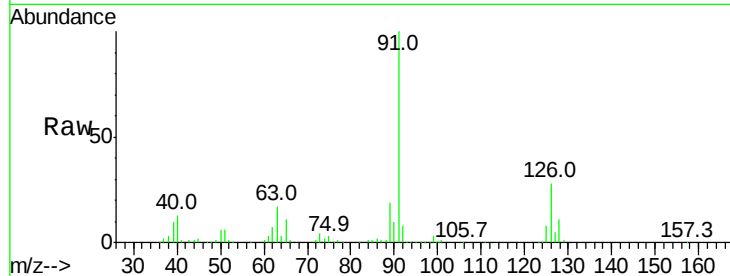
VSTDIC002

Tgt Ion: 91 Resp: 487778

Ion Ratio Lower Upper

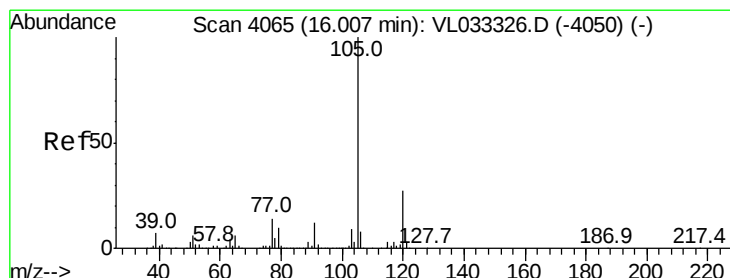
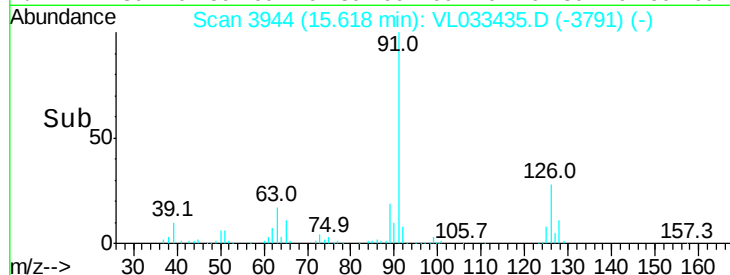
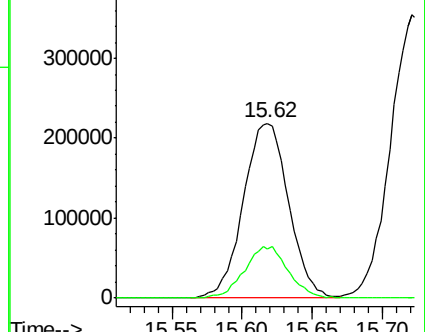
91 100

126 28.9 11.6 46.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 2.032 ppbv

RT: 16.00 min Scan# 4063

Delta R.T. -0.01 min

Lab File: VL033435.D

Acq: 25 Mar 2019 11:09

Tgt Ion: 105 Resp: 525369

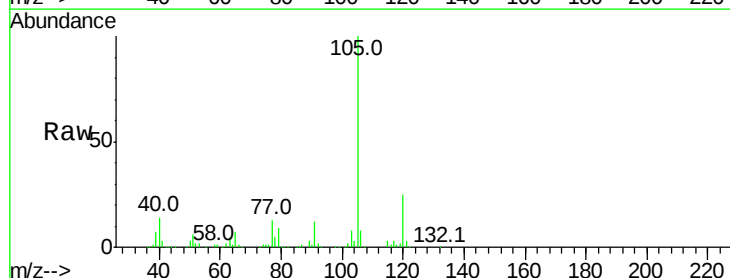
Ion Ratio Lower Upper

105 100

120 28.3 22.9 34.3

91 13.2 10.2 15.2

77 14.4 11.1 16.7

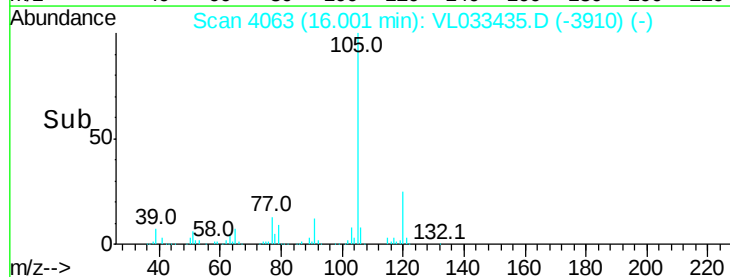
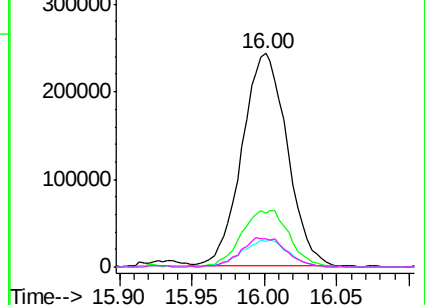


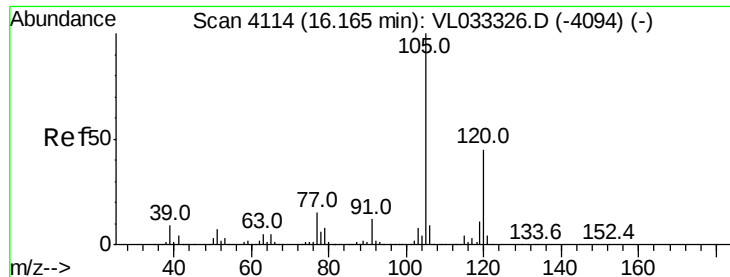
Abundance Ion 105.10 (104.80 to 105.80): V

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





#73

1,3,5-Trimethylbenzene

Concen: 1.917 ppbv

RT: 16.16 min Scan# 4112

Delta R.T. -0.01 min

Lab File: VL033435.D

Acq: 25 Mar 2019 11:09

Instrument :

MSVOA_L

ClientSampleId :

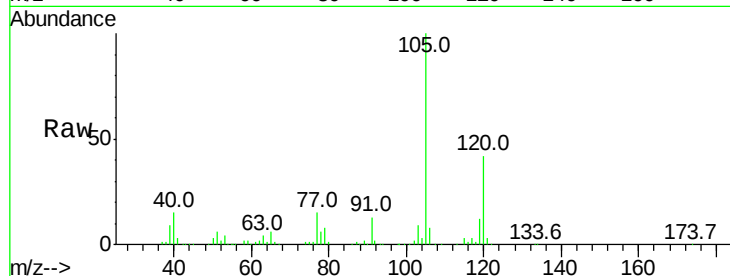
VSTDIC002

Tgt Ion:105 Resp: 482662

Ion Ratio Lower Upper

105 100

120 42.3 36.2 54.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

250000

200000

150000

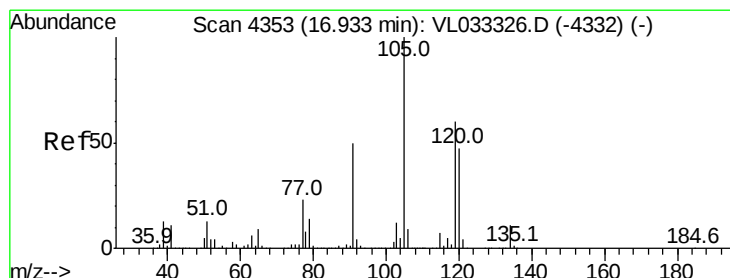
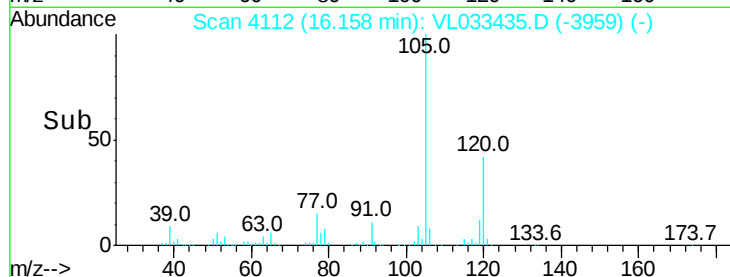
100000

50000

0

16.10 16.15 16.20

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 1.964 ppbv

RT: 16.93 min Scan# 4351

Delta R.T. -0.01 min

Lab File: VL033435.D

Acq: 25 Mar 2019 11:09

Tgt Ion:105 Resp: 523802

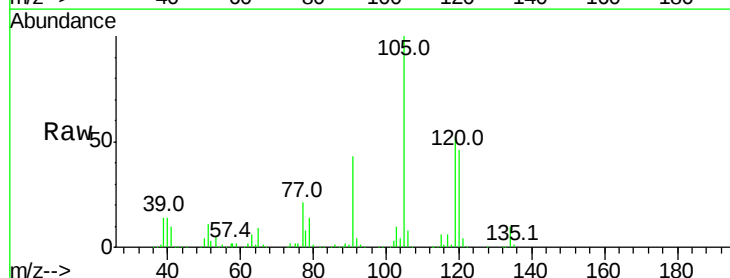
Ion Ratio Lower Upper

105 100

120 45.5 37.4 56.2

91 42.9 41.0 61.4

77 20.9 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): V

Ion 77.10 (76.80 to 77.80): V

300000

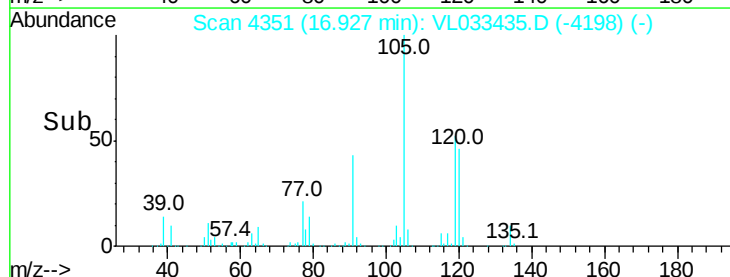
200000

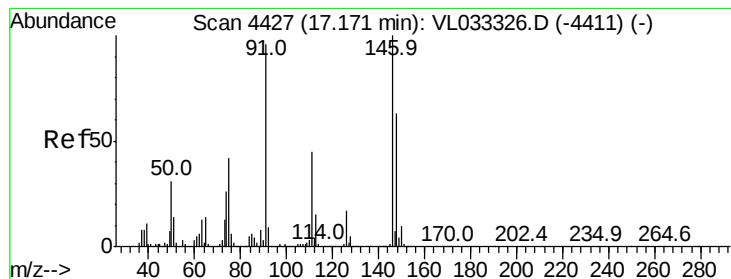
100000

0

16.90 16.93 17.00

Time-->





#75

1,3-Dichlorobenzene

Concen: 2.072 ppbv

RT: 17.16 min Scan# 4425

Delta R.T. -0.01 min

Lab File: VL033435.D

Acq: 25 Mar 2019 11:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

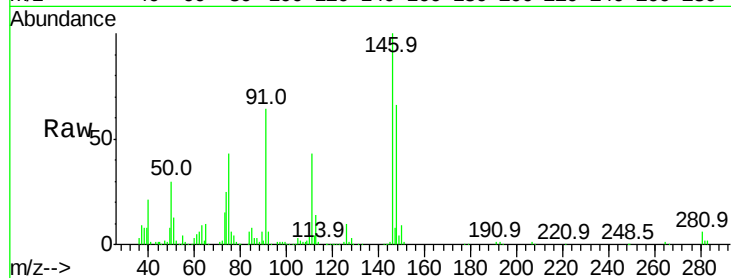
Tgt Ion:146 Resp: 325759

Ion Ratio Lower Upper

146 100

111 44.7 22.8 68.3

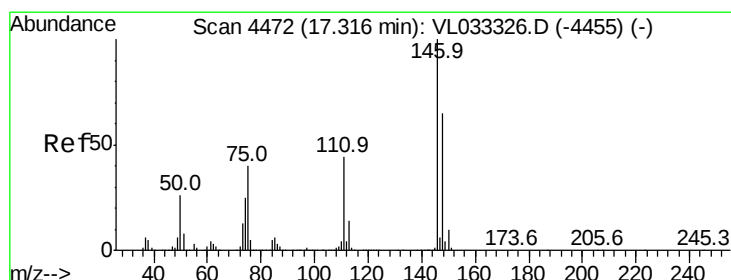
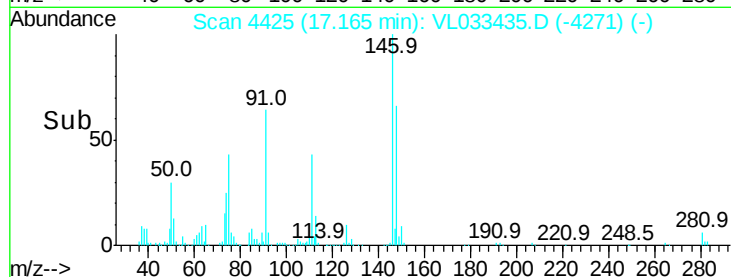
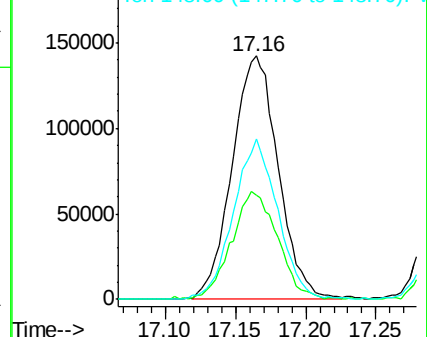
148 63.4 31.9 95.7



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: 2.049 ppbv

RT: 17.31 min Scan# 4469

Delta R.T. -0.01 min

Lab File: VL033435.D

Acq: 25 Mar 2019 11:09

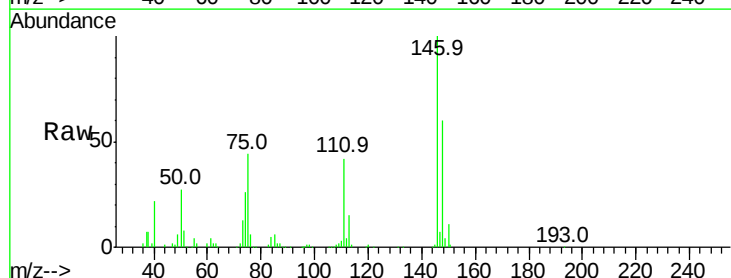
Tgt Ion:146 Resp: 311915

Ion Ratio Lower Upper

146 100

111 44.5 21.9 65.7

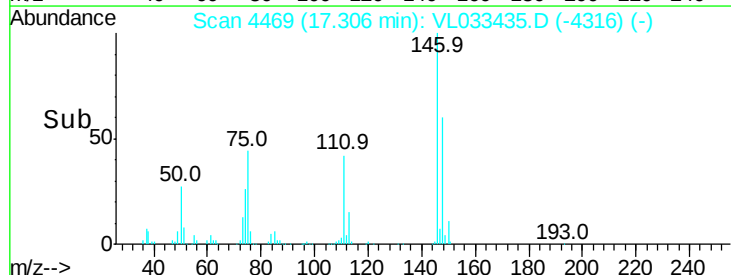
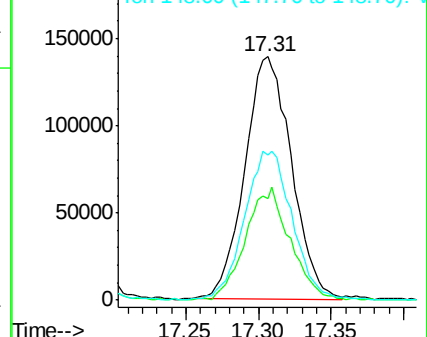
148 63.3 32.1 96.5

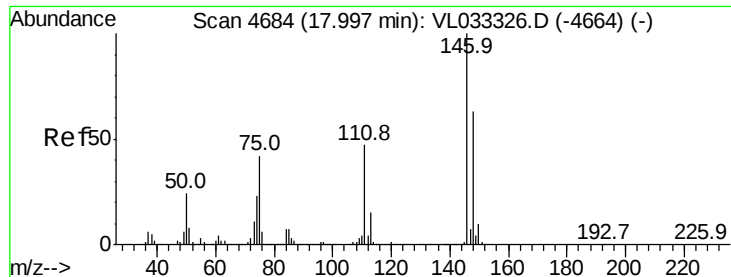


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

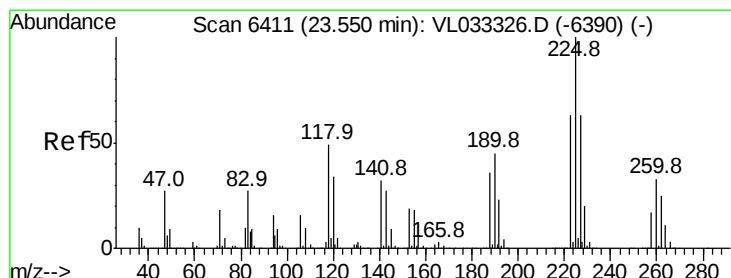
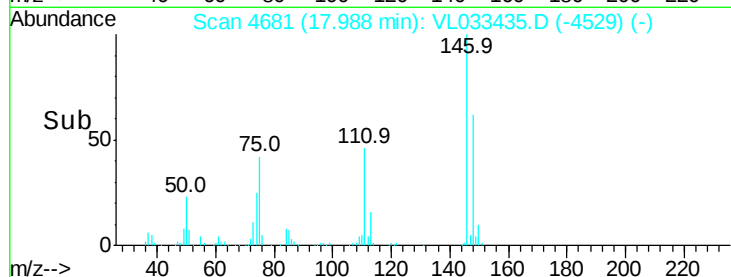
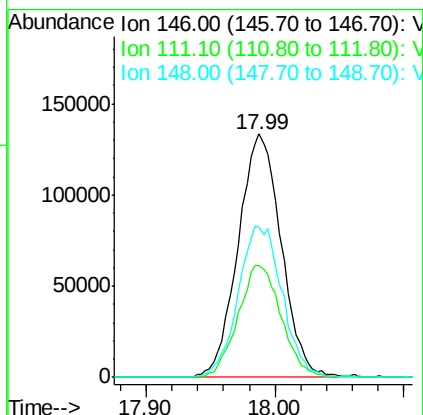
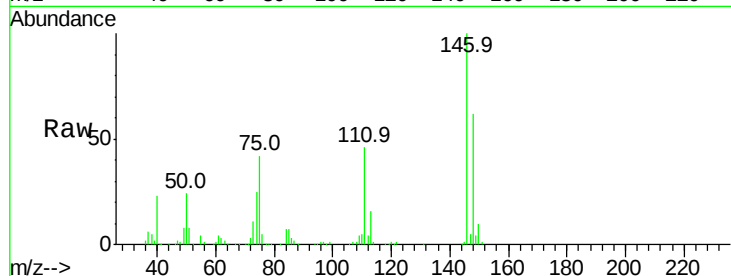




#77
 1,2-Dichlorobenzene
 Concen: 2.073 ppbv
 RT: 17.99 min Scan# 4681
 Delta R.T. -0.01 min
 Lab File: VL033435.D
 Acq: 25 Mar 2019 11:09

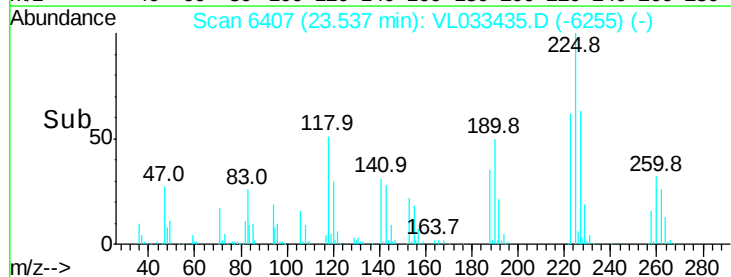
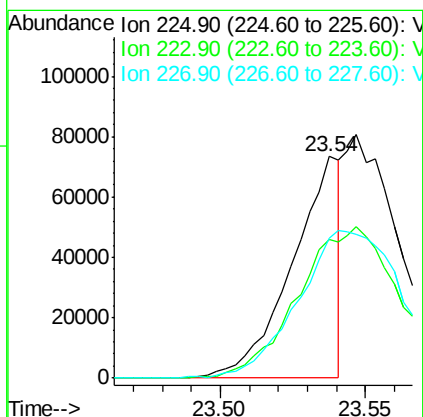
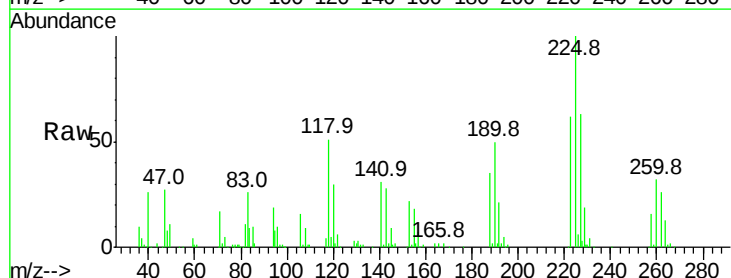
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

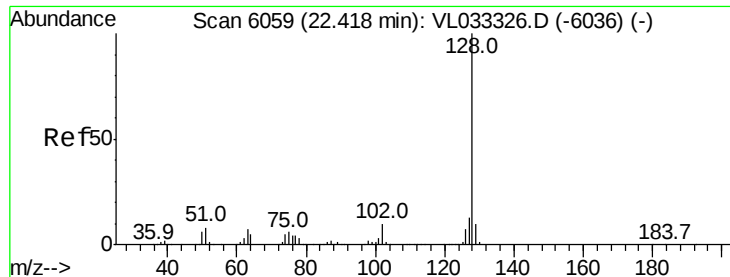
Tgt Ion:146 Resp: 308595
 Ion Ratio Lower Upper
 146 100
 111 46.5 23.5 70.6
 148 63.7 31.9 95.9



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.950 ppbv
 RT: 23.54 min Scan# 6407
 Delta R.T. -0.01 min
 Lab File: VL033435.D
 Acq: 25 Mar 2019 11:09

Tgt Ion:225 Resp: 84762
 Ion Ratio Lower Upper
 225 100
 223 0.0 50.4 75.6#
 227 143.6 50.5 75.7#





#79

Naphthalene

Concen: 1.727 ppbv

RT: 22.42 min Scan# 6059

Delta R.T. -0.00 min

Lab File: VL033435.D

Acq: 25 Mar 2019 11:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

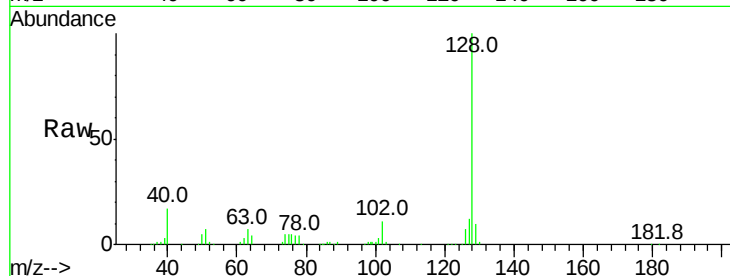
Tgt Ion:128 Resp: 443881

Ion Ratio Lower Upper

128 100

127 11.6 10.1 15.1

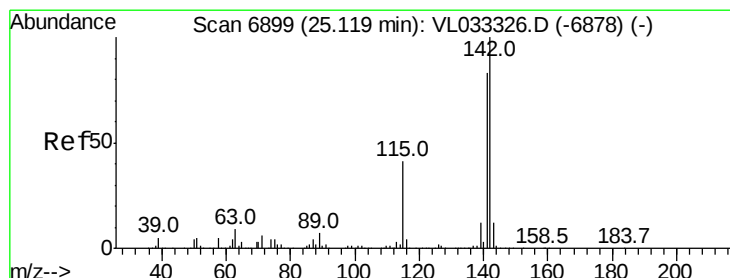
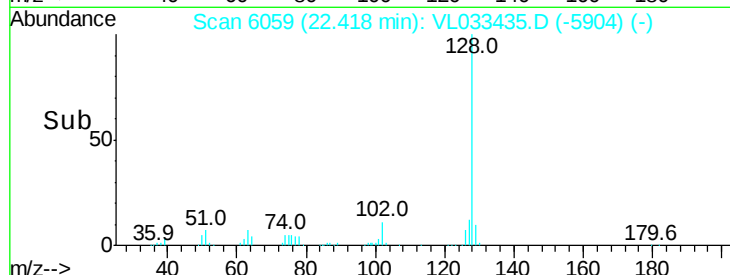
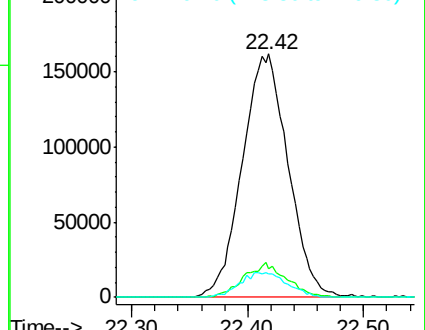
129 9.6 8.2 12.2



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: 1.056 ppbv

RT: 25.12 min Scan# 6899

Delta R.T. -0.00 min

Lab File: VL033435.D

Acq: 25 Mar 2019 11:09

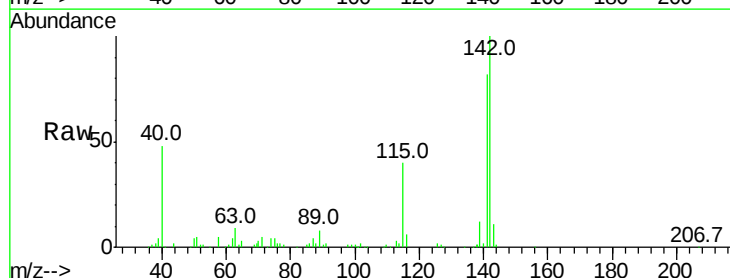
Tgt Ion:142 Resp: 128719

Ion Ratio Lower Upper

142 100

141 85.9 67.1 100.7

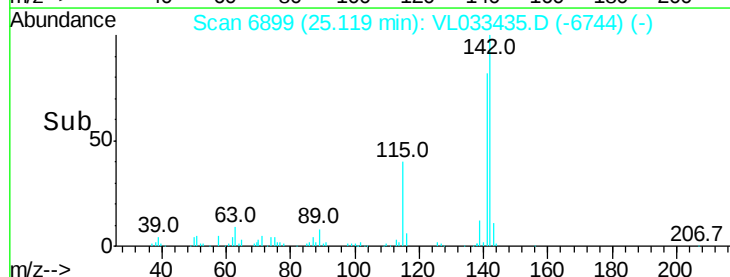
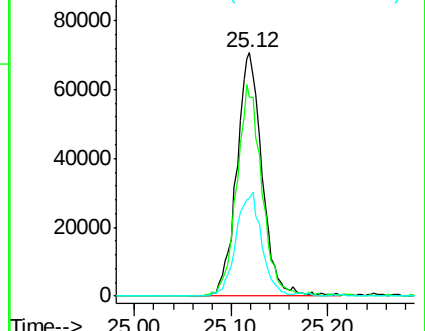
115 43.6 33.8 50.6

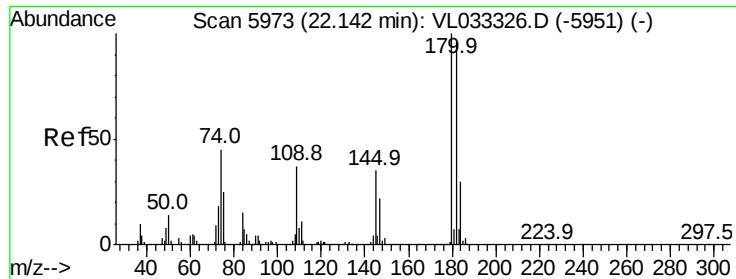


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 0.918 ppbv
 RT: 22.13 min Scan# 5970
 Delta R.T. -0.01 min
 Lab File: VL033435.D
 Acq: 25 Mar 2019 11:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion	Ratio	Lower	Upper
180	100		
182	0.0	76.1	114.1#
184	0.0	24.6	37.0#

