

Data File : VL033436.D
Acq On : 25 Mar 2019 11:47
Operator : SY/AP
Sample : VSTDIC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Quant Time: Mar 25 12:18:15 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	789926	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1830264	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.24	117	1850609	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1475809	10.76	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.60%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.07	85	116712	0.840	ppbv	98
3) Chlorodifluoromethane	3.01	51	92362	1.019	ppbv	99
4) Chloromethane	3.17	50	48022	0.978	ppbv	95
5) Vinyl Chloride	3.29	62	47220	0.932	ppbv	96
6) Bromomethane	3.51	94	30997	1.030	ppbv	98
7) Chloroethane	3.60	64	16693	0.943	ppbv	100
8) Dichlorotetrafluoroethane	3.22	85	127181	1.075	ppbv	99
9) Propene	3.03	41	37538	0.927	ppbv	99
10) Heptane	8.25	43	101400	1.010	ppbv	100
11) Trichlorofluoromethane	4.00	101	145489	1.052	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.55	101	97406	1.061	ppbv	100
13) Ethanol	3.65	45	9947	0.516	ppbv	75
14) Bromoethene	3.79	108	36841	0.963	ppbv	100
15) Acetone	3.90	43	99581	0.811	ppbv	100
16) 1,3-Butadiene	3.36	39	35031	0.878	ppbv	96
17) tert-Butyl alcohol	4.37	59	18743	1.085	ppbv	99
18) 1,1-Dichloroethene	4.35	96	40052	0.954	ppbv	87
19) Isopropyl Alcohol	4.03	45	68258	1.169	ppbv #	97
20) Methylene Chloride	4.41	84	44217	1.104	ppbv #	85
21) Allyl Chloride	4.47	41	58340	0.979	ppbv	97
22) trans-1,2-Dichloroethene	4.96	96	43441	1.068	ppbv	99
23) Vinyl Acetate	5.15	43	133789	0.942	ppbv #	98
24) 1,1-Dichloroethane	5.09	63	105351	1.027	ppbv	100
25) Ethyl Acetate	5.77	43	179519	1.006	ppbv	100
26) Hexane	5.78	57	79934	1.002	ppbv	97
27) Carbon Disulfide	4.62	76	82927	0.903	ppbv #	92
28) Methyl tert-Butyl Ether	5.12	73	109430	0.923	ppbv	96
29) Chloroform	5.84	83	136577	1.045	ppbv	91
30) Cyclohexane	7.25	84	59813	0.935	ppbv	96
31) cis-1,2-Dichloroethene	5.64	61	74211	0.930	ppbv	96
32) 1,1,1-Trichloroethane	6.62	97	129496	1.009	ppbv	99
34) 2-Butanone	5.33	43	115471	0.961	ppbv	96
35) Carbon Tetrachloride	7.13	117	131205	1.017	ppbv	98
36) Benzene	7.00	78	154867	0.945	ppbv	97
37) 1,2-Dichloroethane	6.41	62	108559	1.048	ppbv	98
38) Trichloroethene	7.96	130	61905	0.999	ppbv	91
39) 1,2-Dichloropropane	7.73	63	59163	0.964	ppbv	93
40) 1,4-Dioxane	7.98	88	20529	0.950	ppbv	96
41) Tetrahydrofuran	6.16	42	58888	0.918	ppbv	98
42) Bromodichloromethane	7.91	83	135161	0.973	ppbv	95
43) Methyl Methacrylate	8.14	69	60812	0.953	ppbv	99

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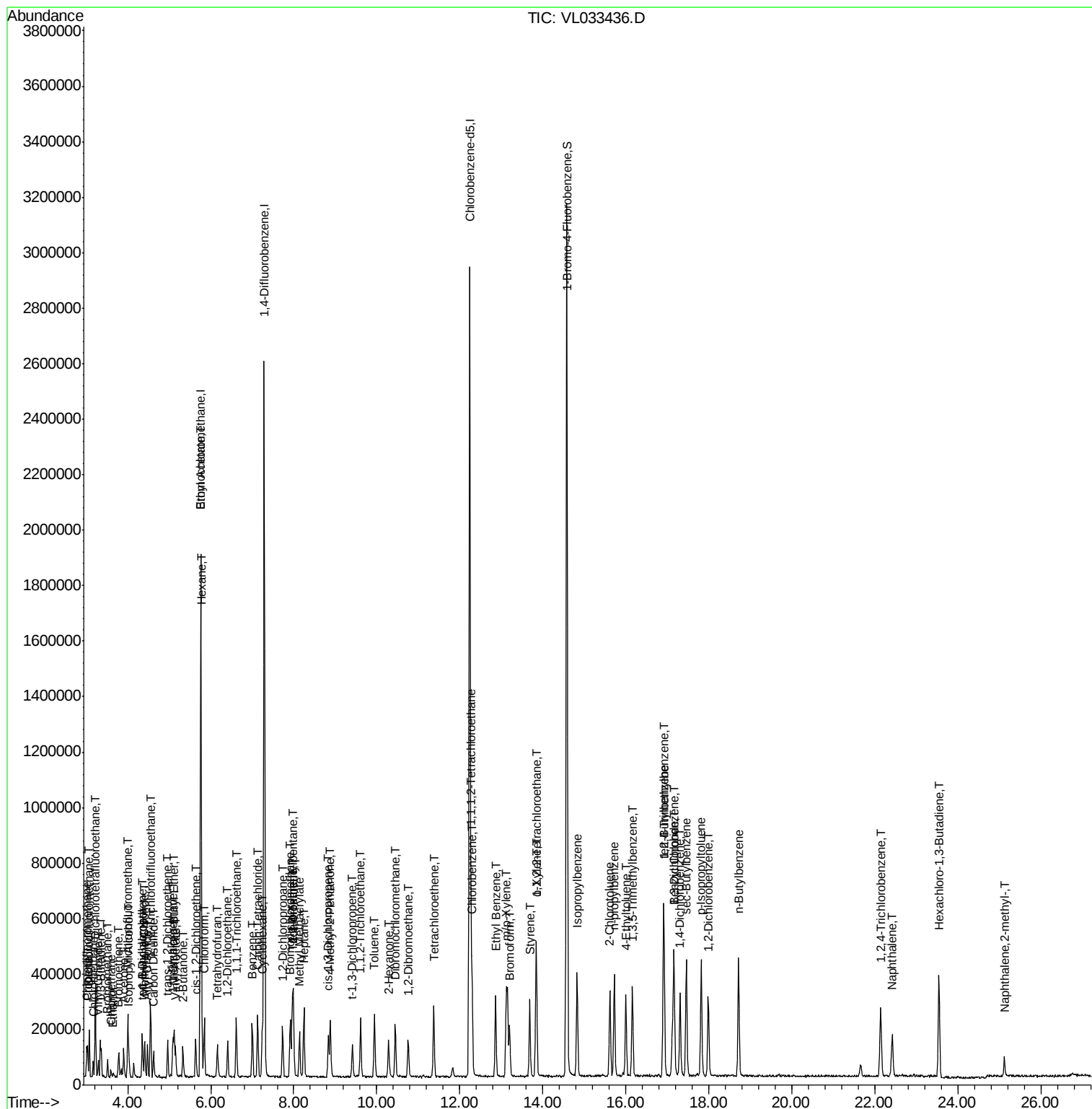
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	269194	0.992	ppbv	97
45) t-1,3-Dichloropropene	9.42	75	63897	0.811	ppbv	99
46) cis-1,3-Dichloropropene	8.83	75	80043	0.863	ppbv	97
47) 1,1,2-Trichloroethane	9.61	97	68808	1.015	ppbv	99
48) Dibromochloromethane	10.44	129	59659	0.525	ppbv #	11
49) Bromoform	13.20	173	93607	0.868	ppbv	100
50) 4-Methyl-2-Pentanone	8.88	43	162234	0.956	ppbv	96
51) 2-Hexanone	10.28	43	108431	0.828	ppbv #	99
52) Tetrachloroethene	11.37	164	59940	0.878	ppbv	94
53) Toluene	9.95	91	170944	0.918	ppbv	98
54) 1,2-Dibromoethane	10.75	107	45559	0.398	ppbv	92
56) 1,1,1,2-Tetrachloroethane	12.27	131	86897	1.050	ppbv #	1
57) Chlorobenzene	12.30	112	147703	1.008	ppbv	95
58) Ethyl Benzene	12.86	91	245426	0.937	ppbv	96
59) m/p-Xylene	13.13	91	61913	0.275	ppbv #	100
60) o-Xylene	13.85	91	219284	0.999	ppbv	98
61) Styrene	13.69	104	142017	0.924	ppbv	99
62) Isopropylbenzene	14.83	105	307115	1.006	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.83	83	164617	1.038	ppbv	99
64) n-propylbenzene	15.72	120	76393	0.989	ppbv	92
65) tert-Butylbenzene	16.91	119	272798	0.993	ppbv	96
66) Benzyl Chloride	17.16	91	102628	0.904	ppbv	97
67) sec-Butylbenzene	17.46	105	390958	1.004	ppbv	99
69) p-Isopropyltoluene	17.81	119	306266	0.963	ppbv	98
70) n-Butylbenzene	18.71	91	330378	0.974	ppbv	97
71) 2-Chlorotoluene	15.61	91	132893	0.559	ppbv #	59
72) 4-Ethyltoluene	16.00	105	235674	0.946	ppbv	98
73) 1,3,5-Trimethylbenzene	16.16	105	236472	0.974	ppbv	89
74) 1,2,4-Trimethylbenzene	16.92	105	253724	0.987	ppbv	91
75) 1,3-Dichlorobenzene	17.16	146	158901	1.048	ppbv	98
76) 1,4-Dichlorobenzene	17.31	146	78346	0.534	ppbv #	32
77) 1,2-Dichlorobenzene	17.99	146	142103	0.990	ppbv	98
78) Hexachloro-1,3-Butadiene	23.54	225	95827	1.113	ppbv	100
79) Naphthalene	22.42	128	185384	0.748	ppbv	98
80) Naphthalene,2-methyl-	25.12	142	35764	0.304	ppbv	96
81) 1,2,4-Trichlorobenzene	22.13	180	45637	0.361	ppbv #	12

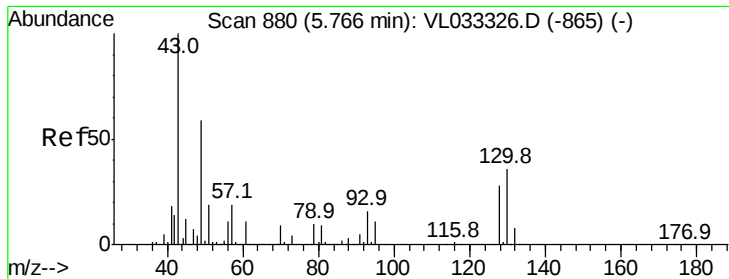
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.01 min

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VSTDIC001

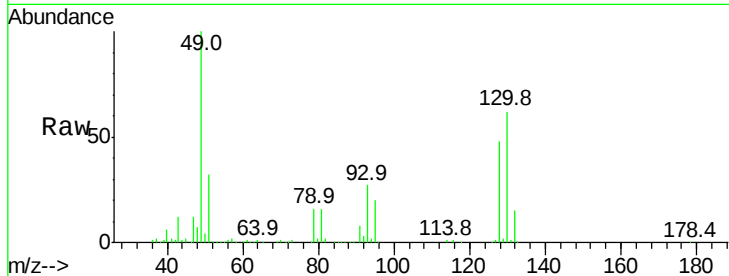
Tgt Ion: 49 Resp: 789926

Ion Ratio Lower Upper

49 100

128 48.1 23.5 70.6

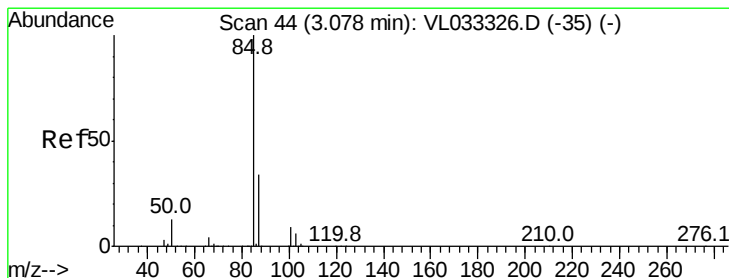
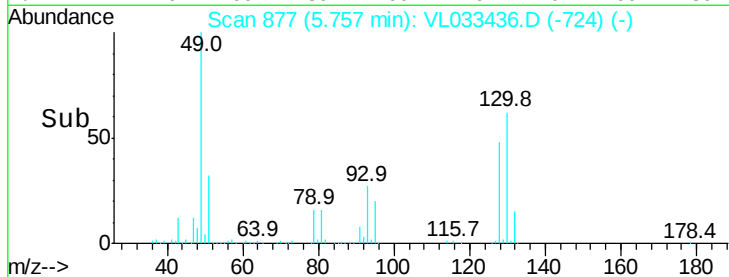
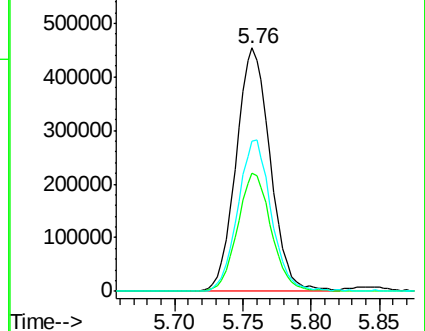
130 61.4 30.1 90.3



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: 0.840 ppbv

RT: 3.07 min Scan# 42

Delta R.T. -0.01 min

Lab File: VL033436.D

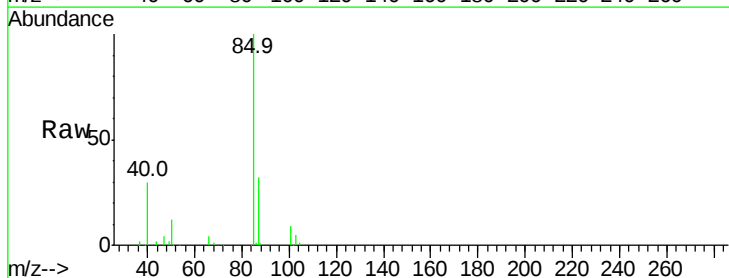
Acq: 25 Mar 2019 11:47

Tgt Ion: 85 Resp: 116712

Ion Ratio Lower Upper

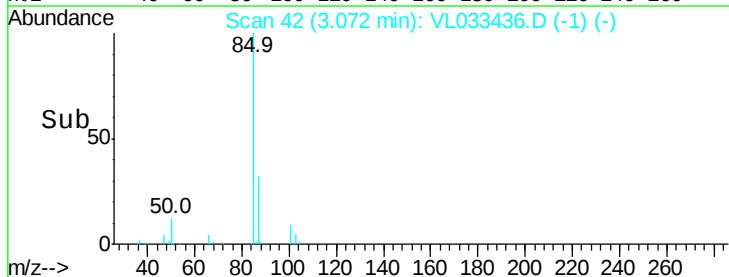
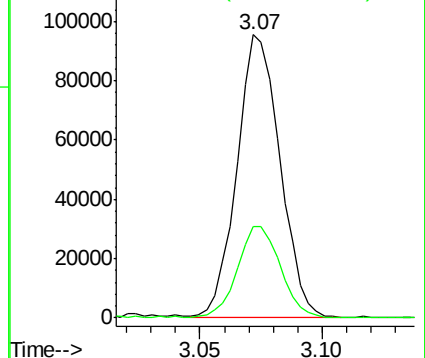
85 100

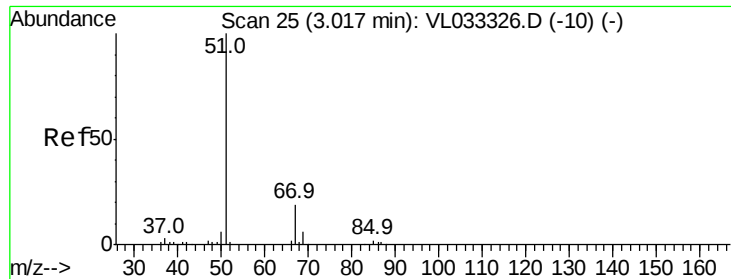
87 32.5 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

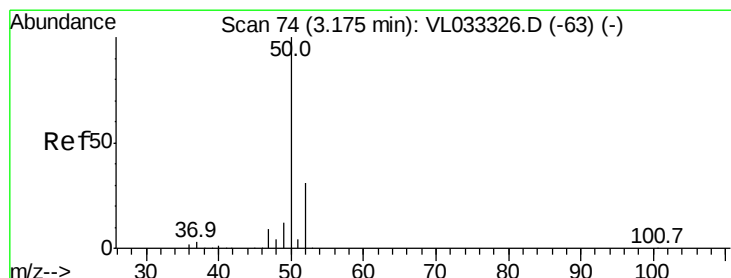
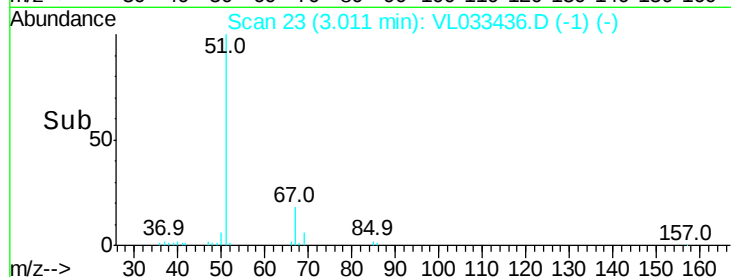
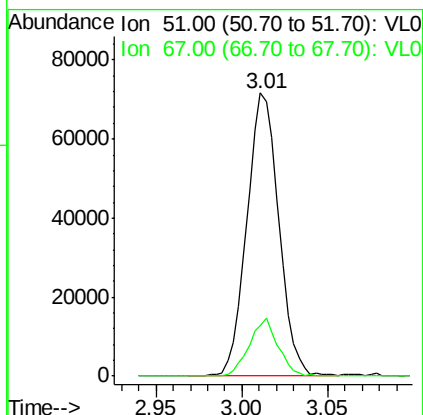
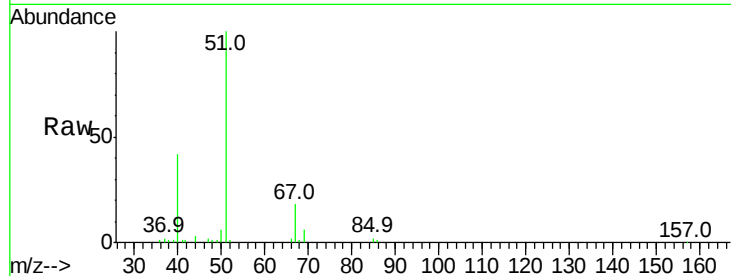




#3
Chlorodifluoromethane
Concen: 1.019 ppbv
RT: 3.01 min Scan# 23
Delta R.T. -0.01 min
Lab File: VL033436.D
Acq: 25 Mar 2019 11:47

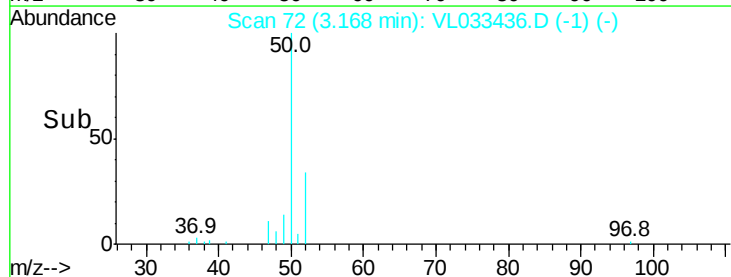
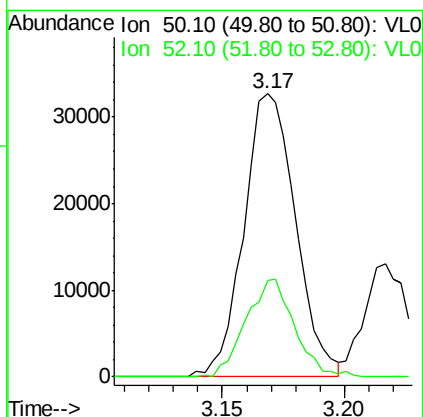
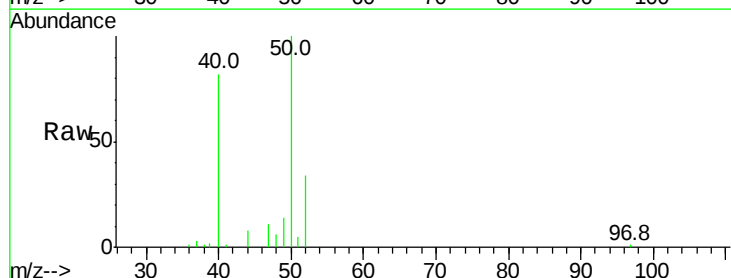
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

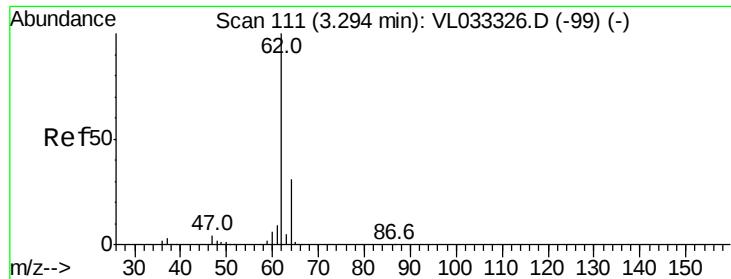
Tgt Ion: 51 Resp: 92362
Ion Ratio Lower Upper
51 100
67 18.3 14.9 22.3



#4
Chloromethane
Concen: 0.978 ppbv
RT: 3.17 min Scan# 72
Delta R.T. -0.01 min
Lab File: VL033436.D
Acq: 25 Mar 2019 11:47

Tgt Ion: 50 Resp: 48022
Ion Ratio Lower Upper
50 100
52 34.0 25.0 37.6





#5

Vinyl Chloride

Concen: 0.932 ppbv

RT: 3.29 min Scan# 109

Delta R.T. -0.01 min

Lab File: VL033436.D

Acq: 25 Mar 2019 11:47

Instrument :

MSVOA_L

ClientSampleId :

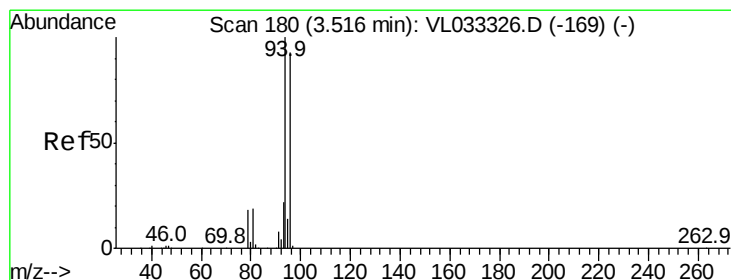
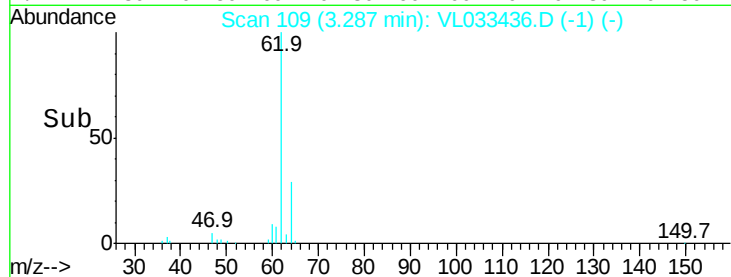
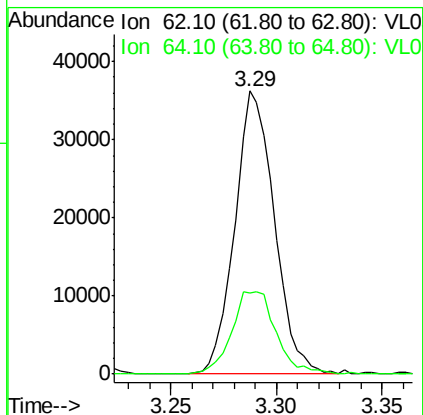
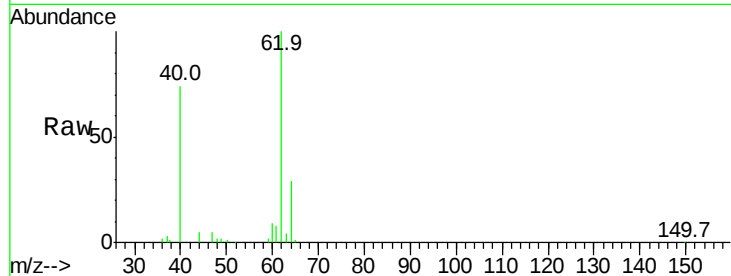
VSTDIC001

Tgt Ion: 62 Resp: 47220

Ion Ratio Lower Upper

62 100

64 28.9 25.0 37.6



#6

Bromomethane

Concen: 1.030 ppbv

RT: 3.51 min Scan# 179

Delta R.T. -0.00 min

Lab File: VL033436.D

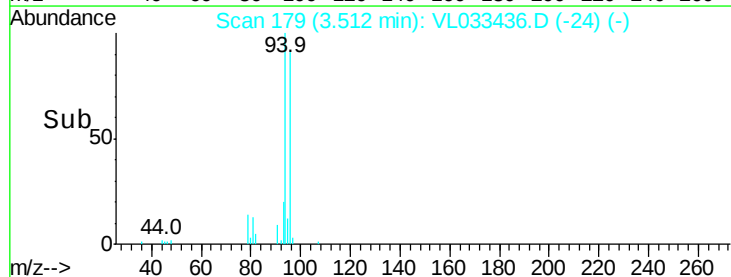
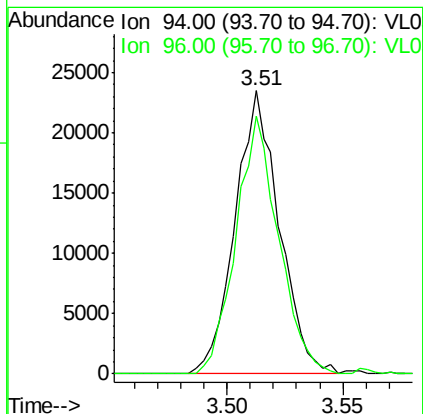
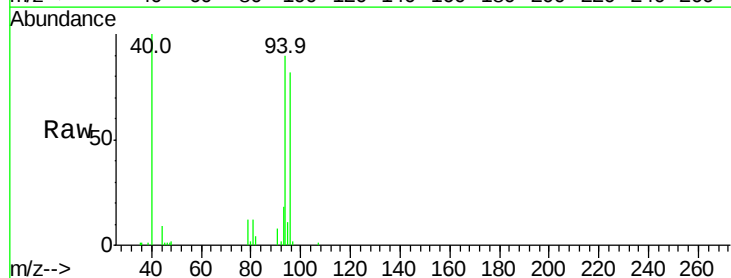
Acq: 25 Mar 2019 11:47

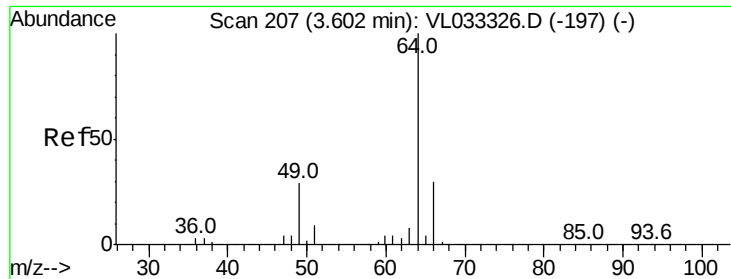
Tgt Ion: 94 Resp: 30997

Ion Ratio Lower Upper

94 100

96 91.1 74.6 111.8





#7

Chloroethane

Concen: 0.943 ppbv

RT: 3.60 min Scan# 207

Delta R.T. 0.00 min

Lab File: VL033436.D

Acq: 25 Mar 2019 11:47

Instrument :

MSVOA_L

ClientSampleId :

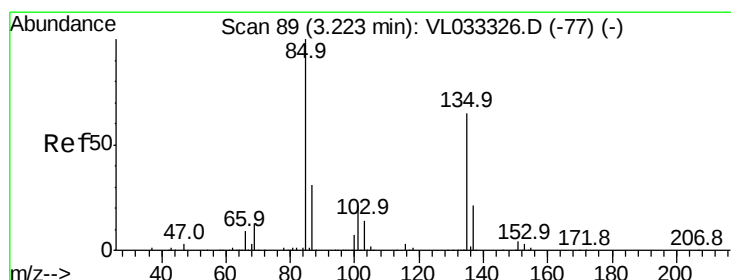
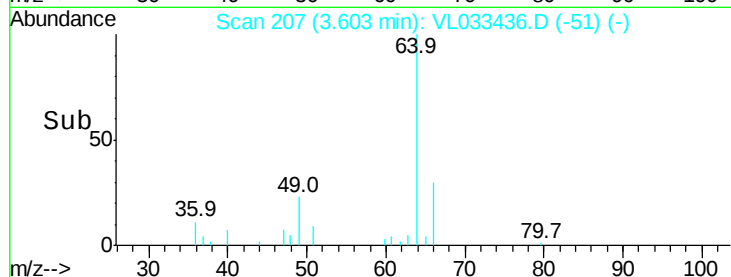
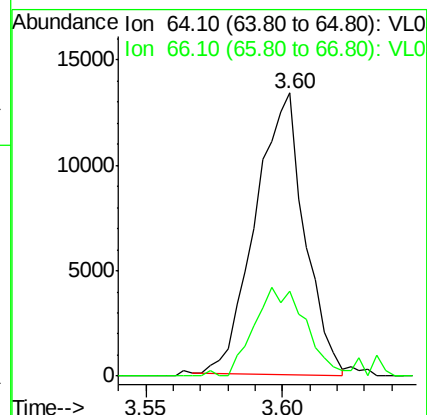
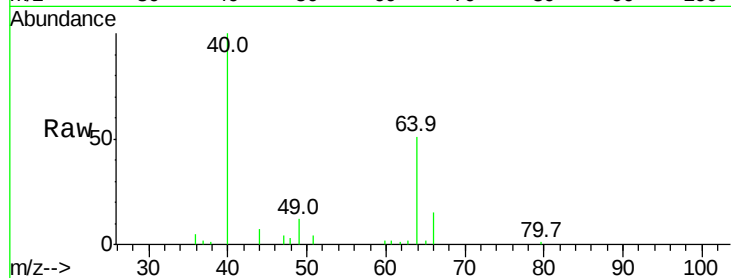
VSTDIC001

Tgt Ion: 64 Resp: 16693

Ion Ratio Lower Upper

64 100

66 29.9 24.0 36.0



#8

Dichlorotetrafluoroethane

Concen: 1.075 ppbv

RT: 3.22 min Scan# 87

Delta R.T. -0.01 min

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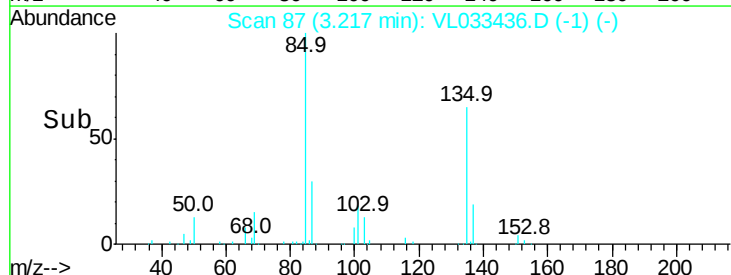
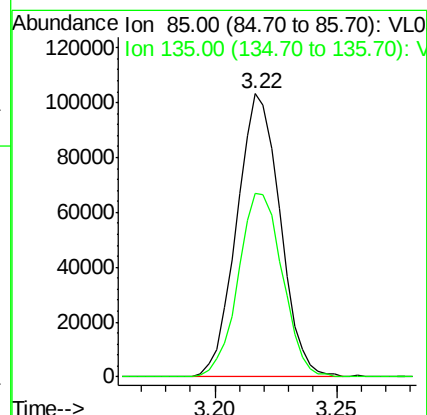
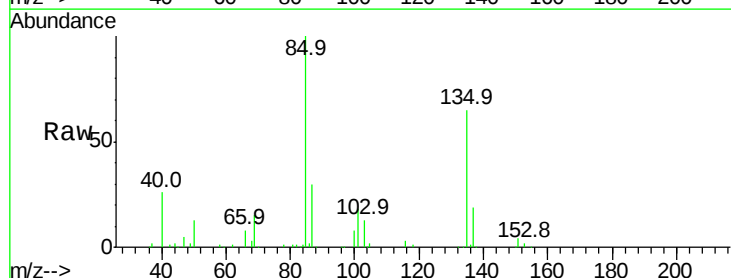
Acq: 25 Mar 2019 11:47

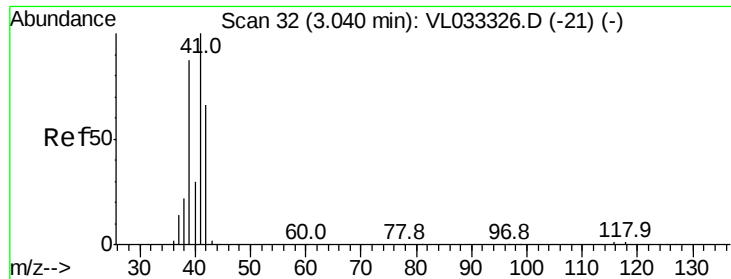
Tgt Ion: 85 Resp: 127181

Ion Ratio Lower Upper

85 100

135 66.1 53.4 80.2





#9

Propene

Concen: 0.927 ppbv

RT: 3.03 min Scan# 30

Delta R.T. -0.01 min

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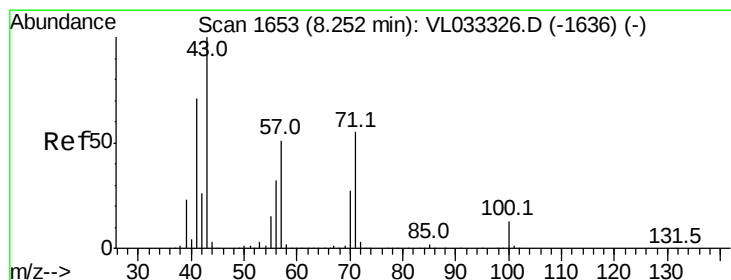
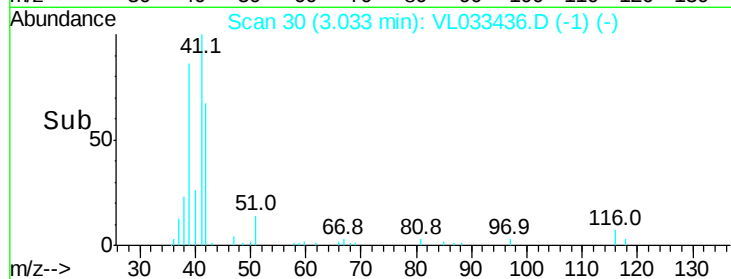
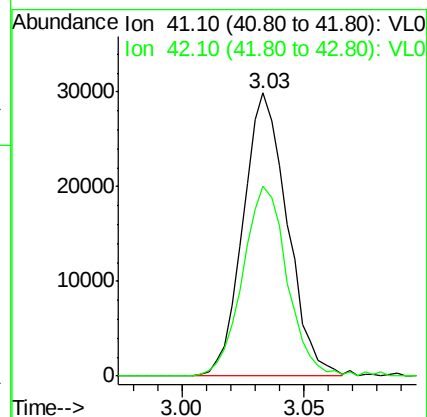
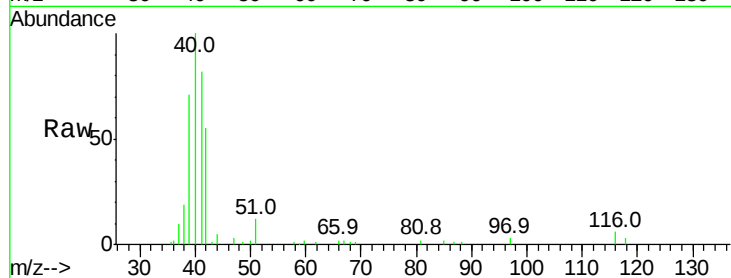
VSTDIC001

Tgt Ion: 41 Resp: 37538

Ion Ratio Lower Upper

41 100

42 67.8 55.2 82.8



#10

Heptane

Concen: 1.010 ppbv

RT: 8.25 min Scan# 1651

Delta R.T. -0.01 min

Lab File: VL033436.D

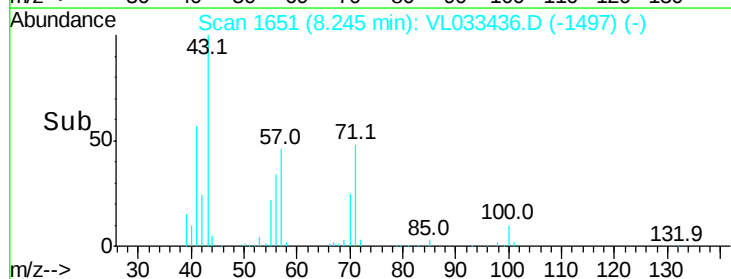
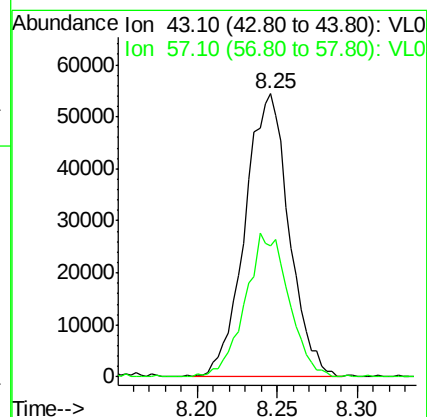
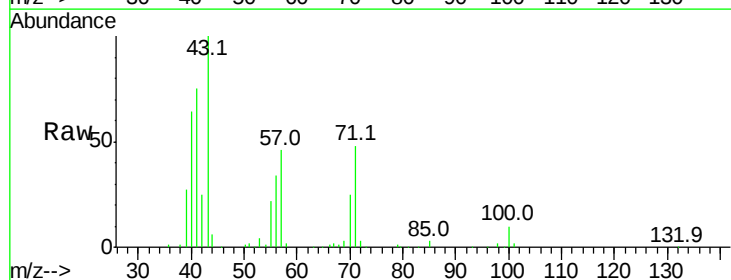
Acq: 25 Mar 2019 11:47

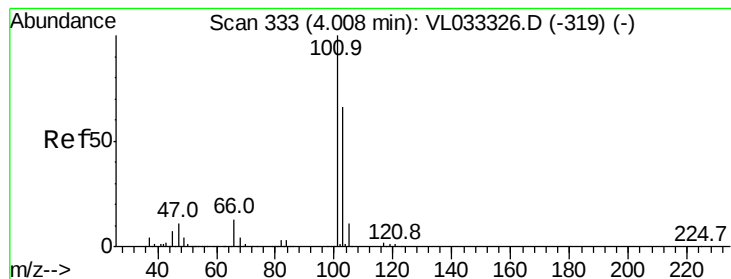
Tgt Ion: 43 Resp: 101400

Ion Ratio Lower Upper

43 100

57 50.6 40.4 60.6





#11

Trichlorofluoromethane

Concen: 1.052 ppbv

RT: 4.00 min Scan# 331

Delta R.T. -0.01 min

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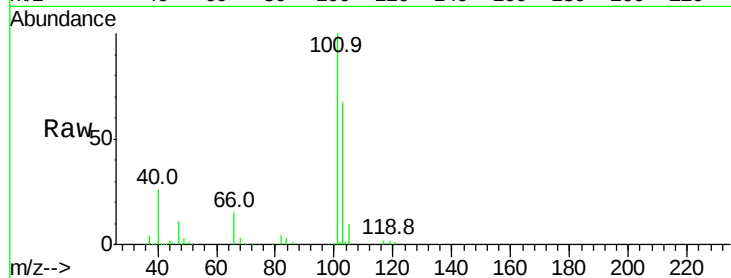
VSTDIC001

Tgt Ion:101 Resp: 145489

Ion Ratio Lower Upper

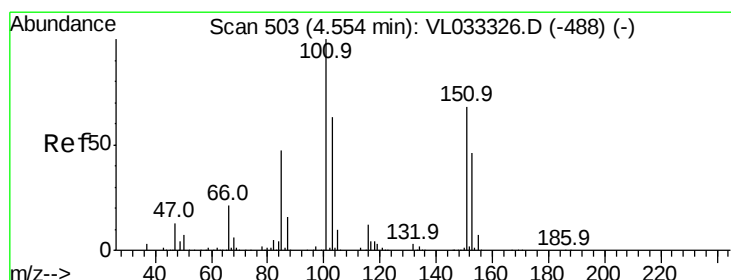
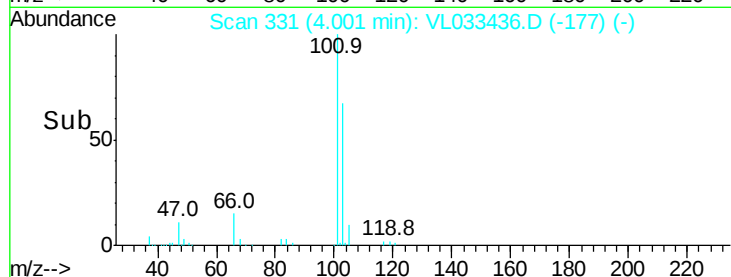
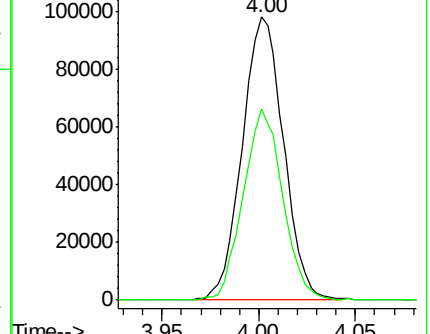
101 100

103 67.4 52.9 79.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 1.061 ppbv

RT: 4.55 min Scan# 501

Delta R.T. -0.01 min

Lab File: VL033436.D

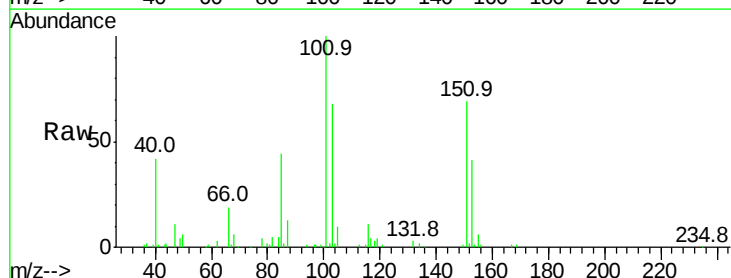
Acq: 25 Mar 2019 11:47

Tgt Ion:101 Resp: 97406

Ion Ratio Lower Upper

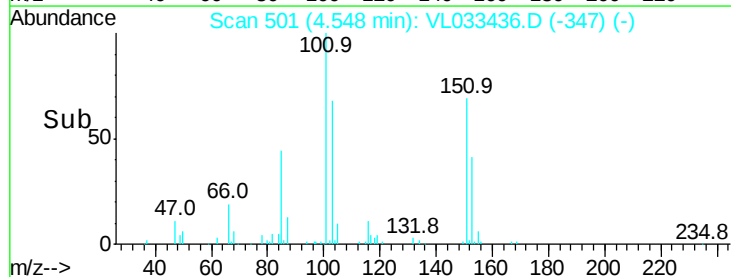
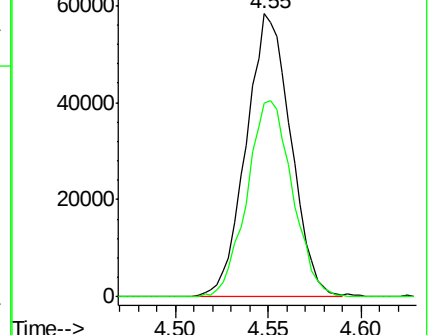
101 100

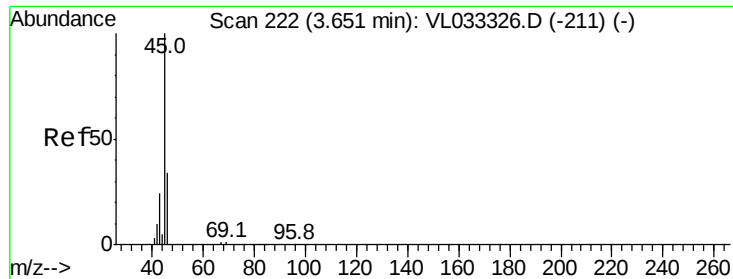
151 70.3 56.3 84.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

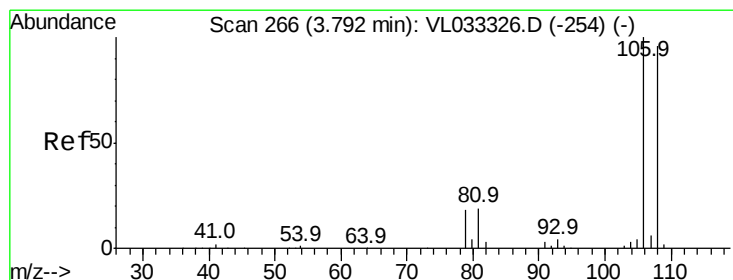
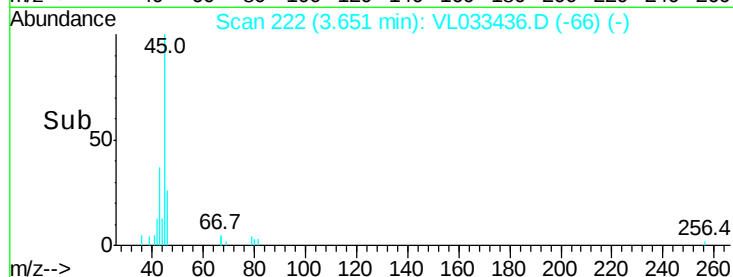
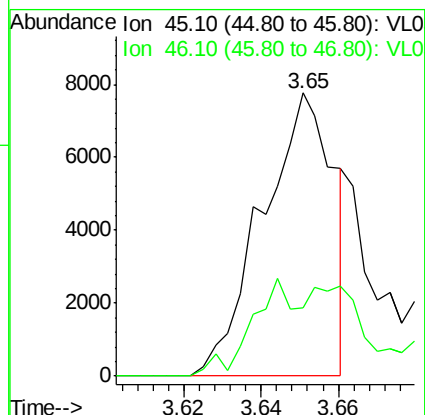
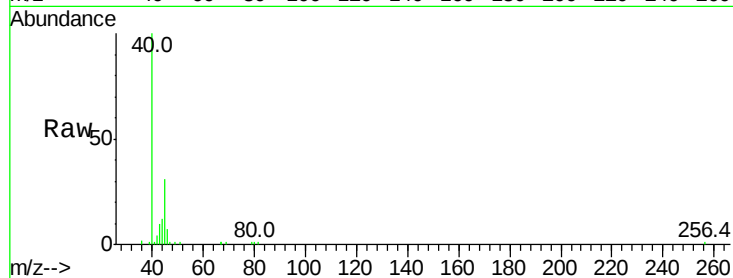




#13
Ethanol
Concen: 0.516 ppbv
RT: 3.65 min Scan# 222
Delta R.T. 0.00 min
Lab File: VL033436.D
Acq: 25 Mar 2019 11:47

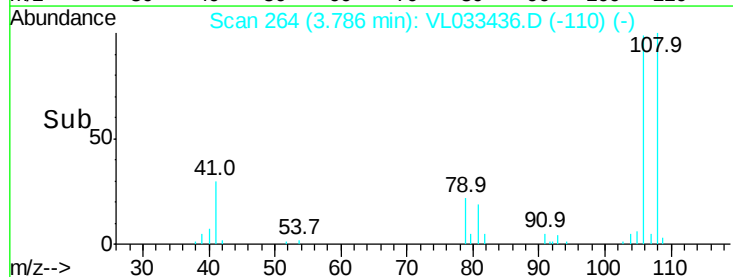
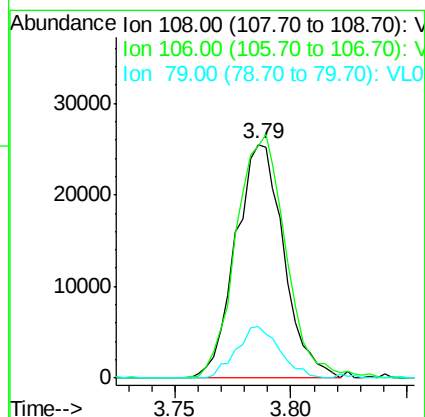
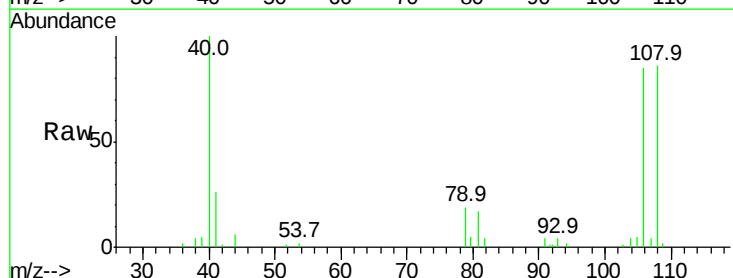
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

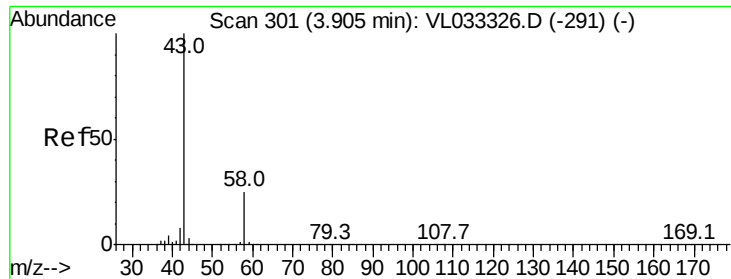
Tgt Ion: 45 Resp: 9947
Ion Ratio Lower Upper
45 100
46 52.3 14.9 59.7



#14
Bromoethene
Concen: 0.963 ppbv
RT: 3.79 min Scan# 264
Delta R.T. -0.01 min
Lab File: VL033436.D
Acq: 25 Mar 2019 11:47

Tgt Ion: 108 Resp: 36841
Ion Ratio Lower Upper
108 100
106 108.0 86.2 129.2
79 19.9 15.4 23.2





#15

Acetone

Concen: 0.811 ppbv

RT: 3.90 min Scan# 300

Delta R.T. -0.00 min

Lab File: VL033436.D

Acq: 25 Mar 2019 11:47

Instrument :

MSVOA_L

ClientSampleId :

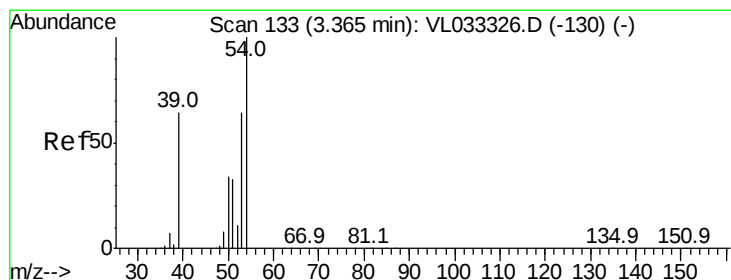
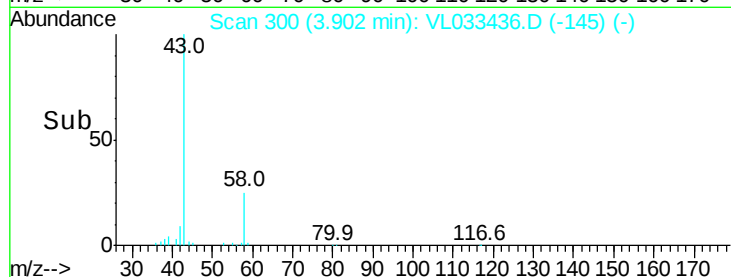
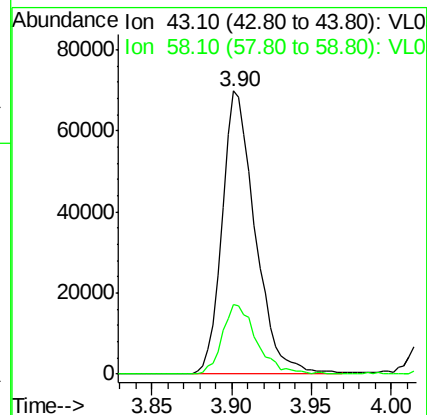
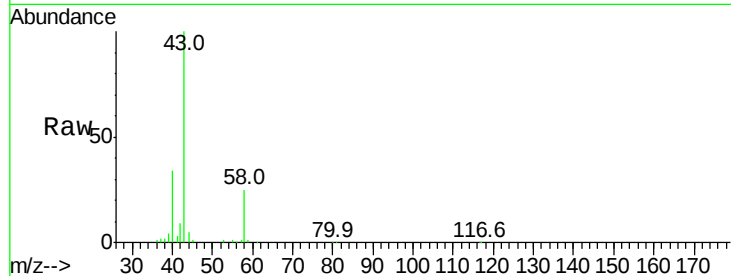
VSTDIC001

Tgt Ion: 43 Resp: 99581

Ion Ratio Lower Upper

43 100

58 25.4 20.4 30.6



#16

1,3-Butadiene

Concen: 0.878 ppbv

RT: 3.36 min Scan# 132

Delta R.T. -0.00 min

Lab File: VL033436.D

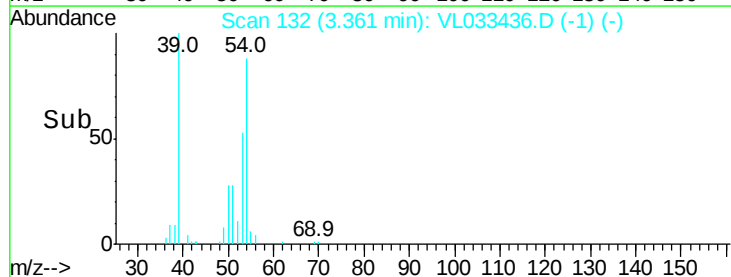
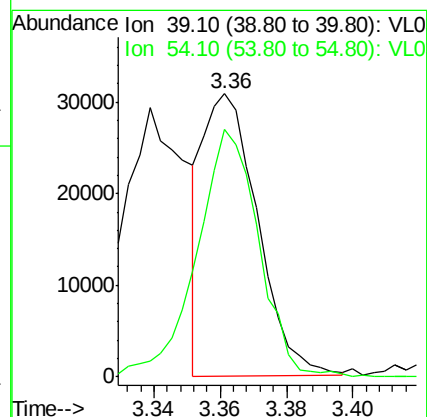
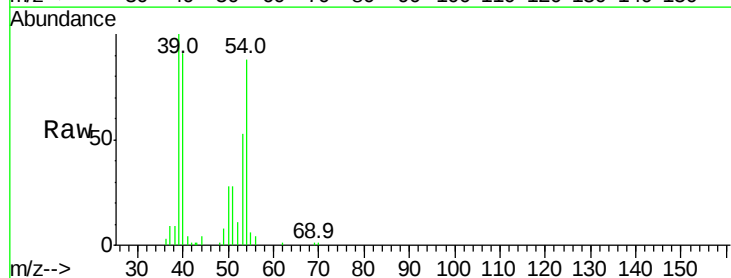
Acq: 25 Mar 2019 11:47

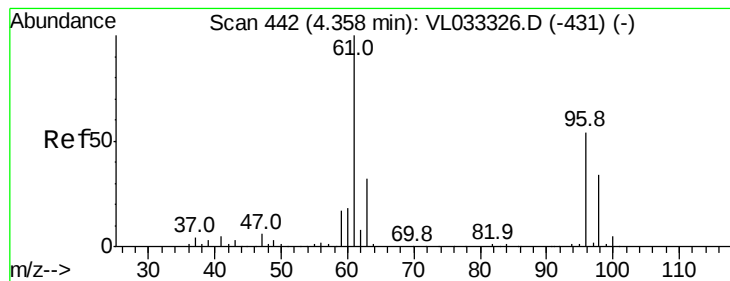
Tgt Ion: 39 Resp: 35031

Ion Ratio Lower Upper

39 100

54 100.4 76.8 115.2



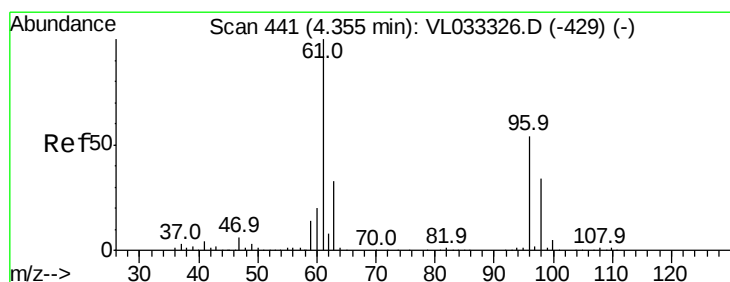
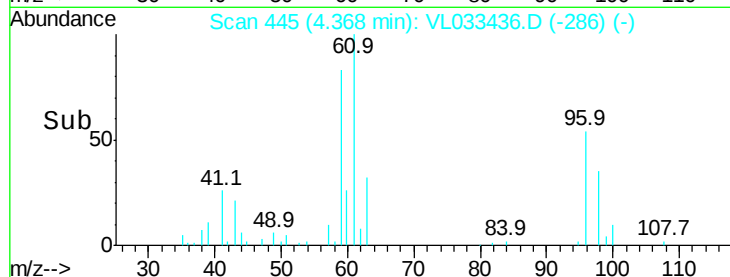
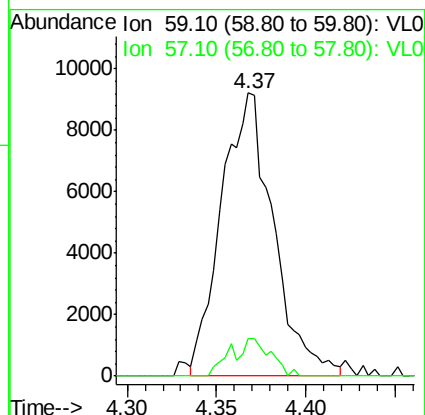
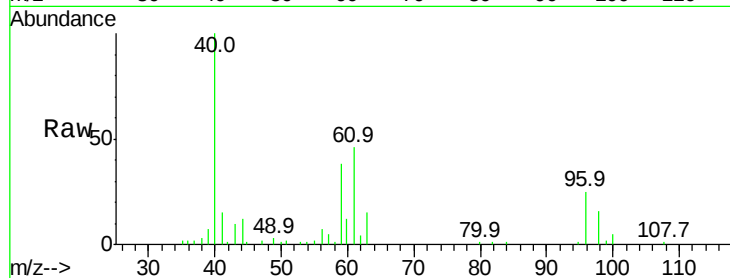


#17

tert-Butyl alcohol
Concen: 1.085 ppbv
RT: 4.37 min Scan# 445
Delta R.T. 0.01 min
Lab File: VL033436.D
Acq: 25 Mar 2019 11:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

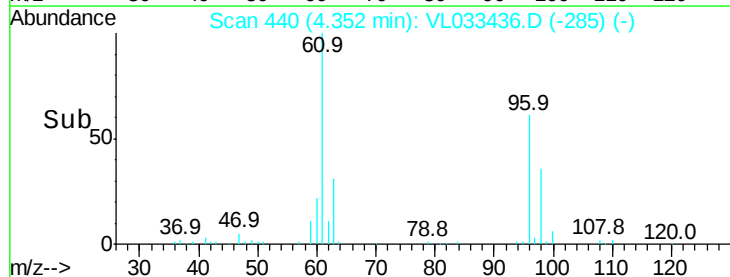
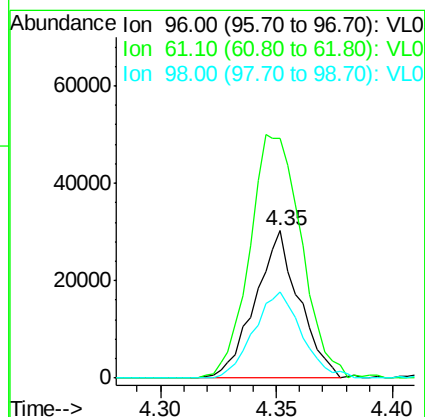
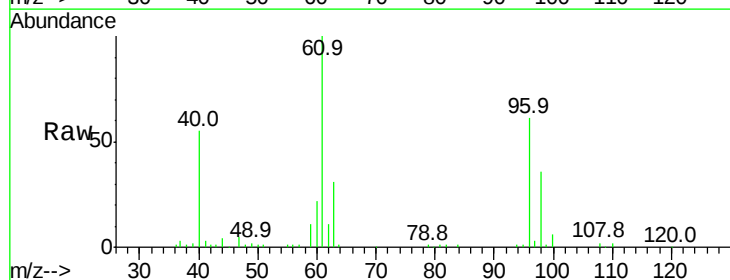
Tgt Ion: 59 Resp: 18743
Ion Ratio Lower Upper
59 100
57 10.0 7.7 11.5

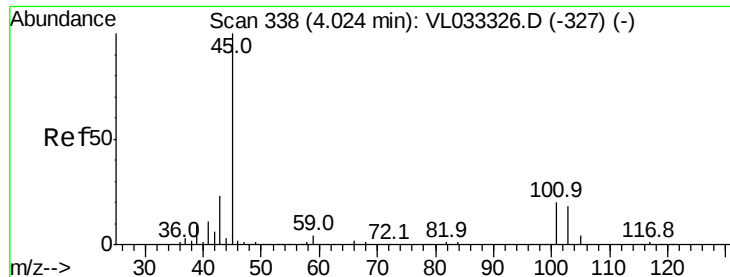


#18

1,1-Dichloroethene
Concen: 0.954 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.00 min
Lab File: VL033436.D
Acq: 25 Mar 2019 11:47

Tgt Ion: 96 Resp: 40052
Ion Ratio Lower Upper
96 100
61 162.8 148.6 222.8
98 58.3 50.3 75.5





#19

Isopropyl Alcohol

Concen: 1.169 ppbv

RT: 4.03 min Scan# 340

Delta R.T. 0.01 min

Lab File: VL033436.D

Acq: 25 Mar 2019 11:47

Instrument :

MSVOA_L

ClientSampleId :

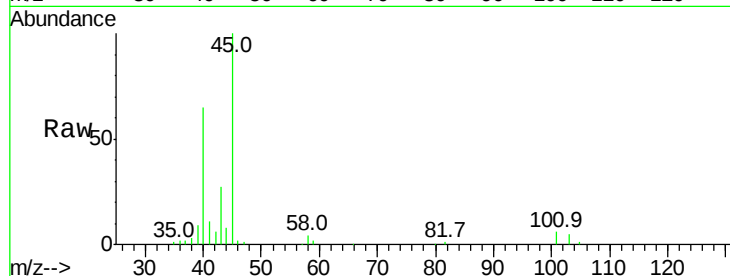
VSTDIC001

Tgt Ion: 45 Resp: 68258

Ion Ratio Lower Upper

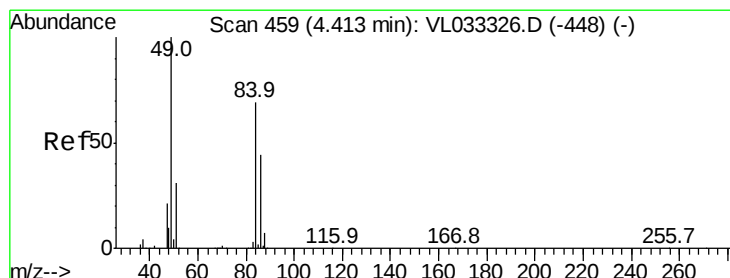
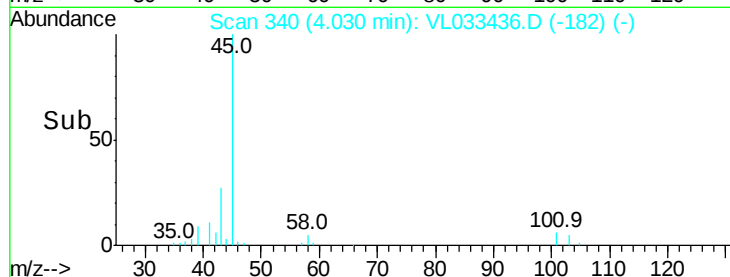
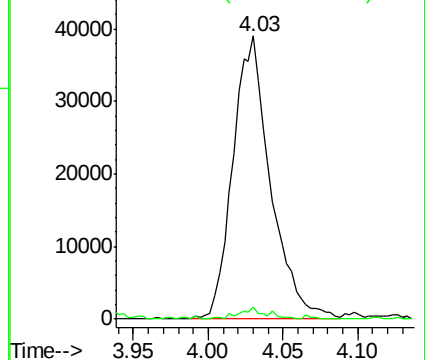
45 100

58 3.1 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: 1.104 ppbv

RT: 4.41 min Scan# 457

Delta R.T. -0.01 min

Lab File: VL033436.D

Acq: 25 Mar 2019 11:47

Tgt Ion: 84 Resp: 44217

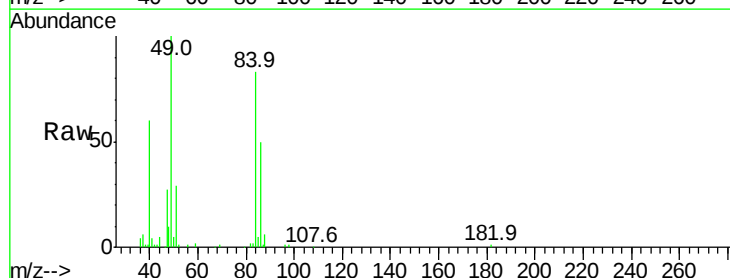
Ion Ratio Lower Upper

84 100

49 119.7 115.4 173.0

51 33.5 35.8 53.6#

86 59.7 50.6 75.8

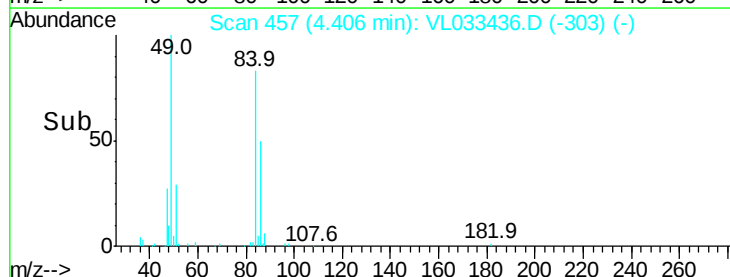
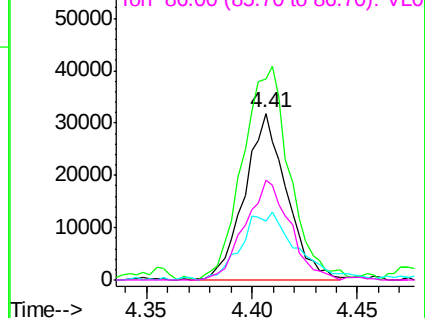


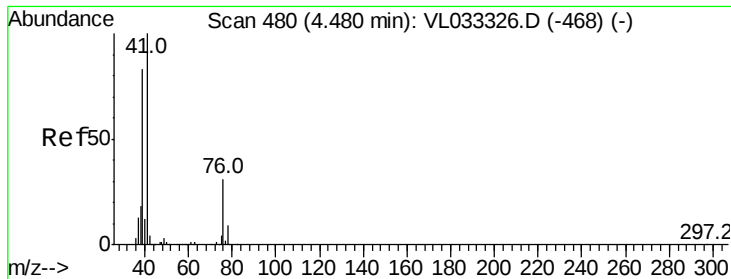
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

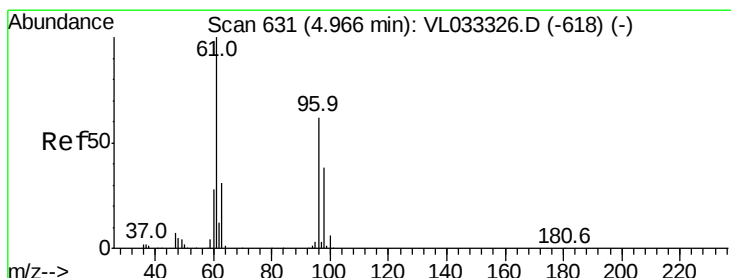
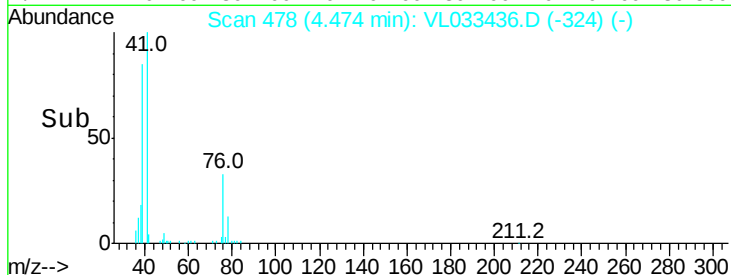
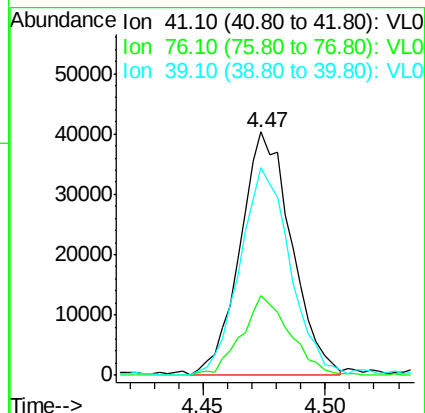
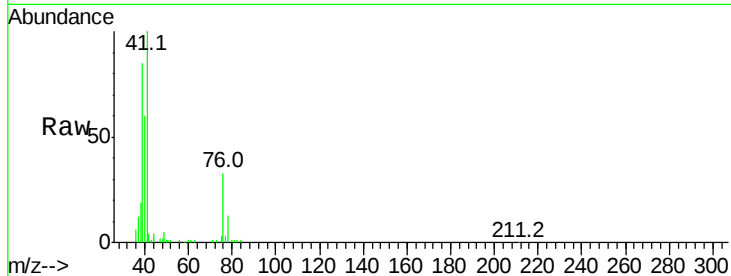




#21
 Allyl Chloride
 Concen: 0.979 ppbv
 RT: 4.47 min Scan# 478
 Delta R.T. -0.01 min
 Lab File: VL033436.D
 Acq: 25 Mar 2019 11:47

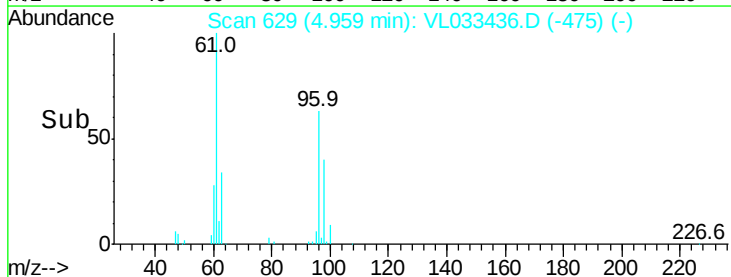
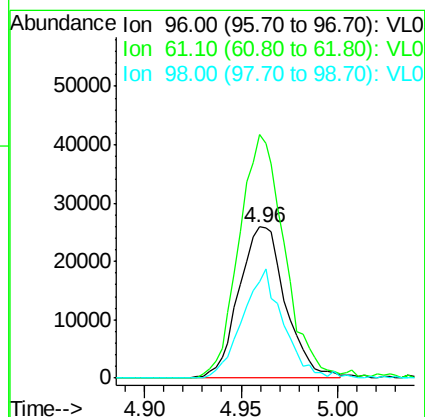
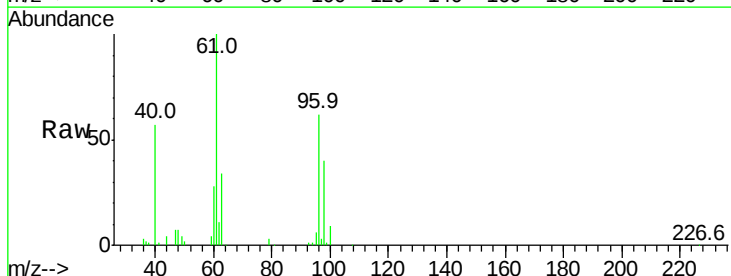
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

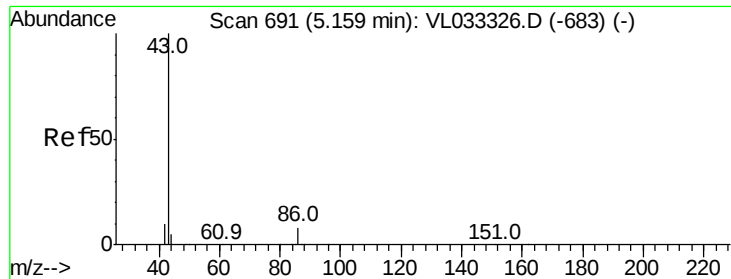
Tgt Ion: 41 Resp: 58340
 Ion Ratio Lower Upper
 41 100
 76 31.2 25.0 37.4
 39 85.7 65.9 98.9



#22
 trans-1,2-Dichloroethene
 Concen: 1.068 ppbv
 RT: 4.96 min Scan# 629
 Delta R.T. -0.01 min
 Lab File: VL033436.D
 Acq: 25 Mar 2019 11:47

Tgt Ion: 96 Resp: 43441
 Ion Ratio Lower Upper
 96 100
 61 161.3 130.0 195.0
 98 63.9 50.0 75.0





#23

Vinyl Acetate

Concen: 0.942 ppbv

RT: 5.15 min Scan# 688

Delta R.T. -0.01 min

Lab File: VL033436.D

Acq: 25 Mar 2019 11:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 43 Resp: 133789

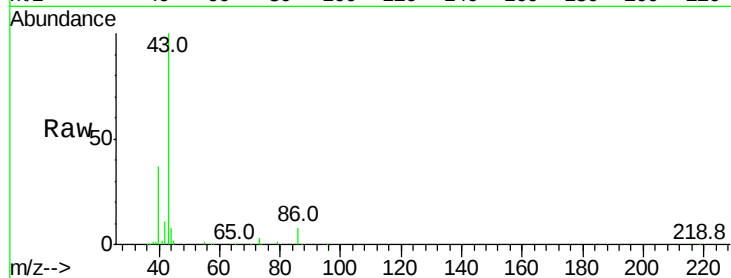
Ion Ratio Lower Upper

43 100

86 7.5 6.2 9.2

42 10.7 8.1 12.1

44 6.7 4.1 6.1#

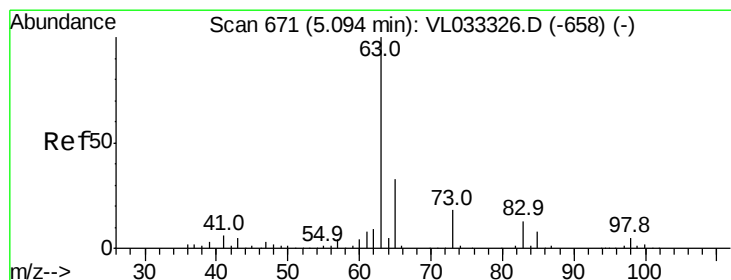
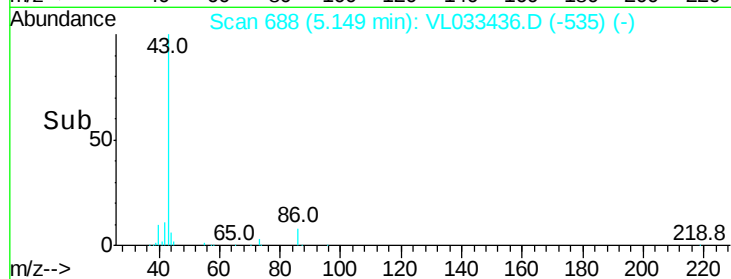
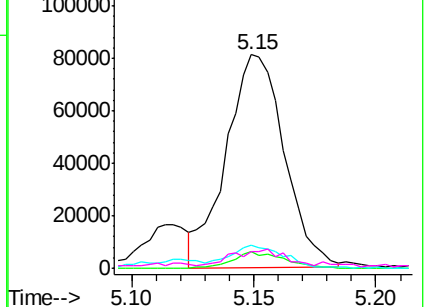


Abundance Ion 43.10 (42.80 to 43.80): VL0

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



#24

1,1-Dichloroethane

Concen: 1.027 ppbv

RT: 5.09 min Scan# 669

Delta R.T. -0.01 min

Lab File: VL033436.D

Acq: 25 Mar 2019 11:47

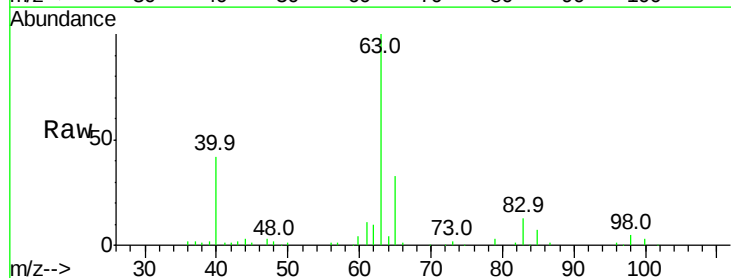
Tgt Ion: 63 Resp: 105351

Ion Ratio Lower Upper

63 100

98 4.7 2.4 7.1

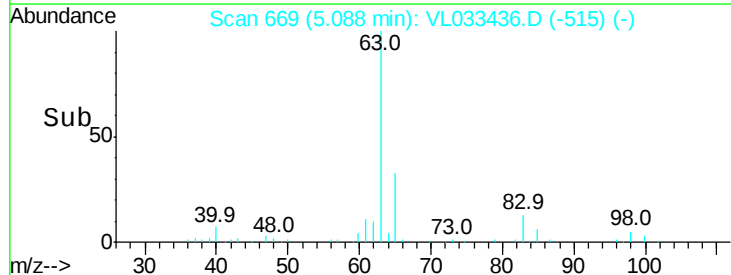
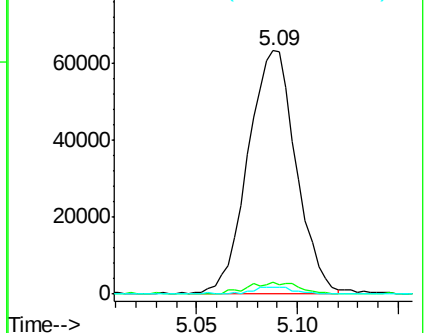
100 2.9 1.3 3.8

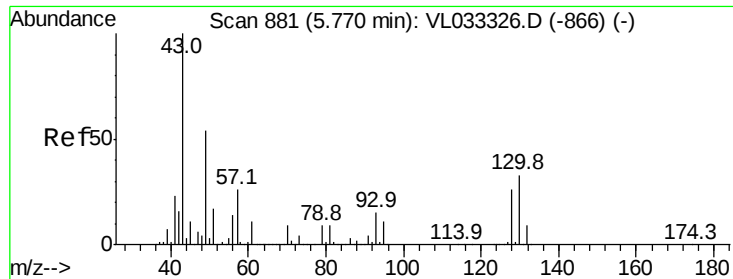


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

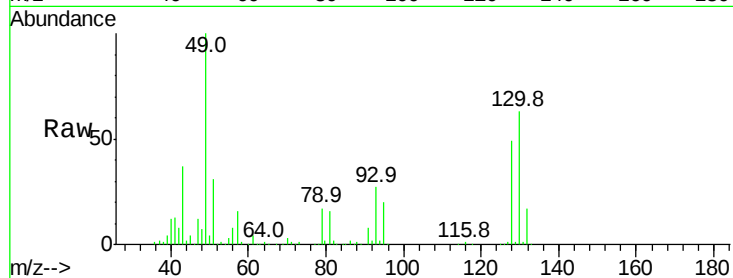




#25
Ethyl Acetate
Concen: 1.006 ppbv
RT: 5.77 min Scan# 881
Delta R.T. 0.00 min
Lab File: VL033436.D
Acq: 25 Mar 2019 11:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion:	43	Resp:	179519
Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.9	11.9
61	9.6	7.4	11.2
70	7.1	5.7	8.5



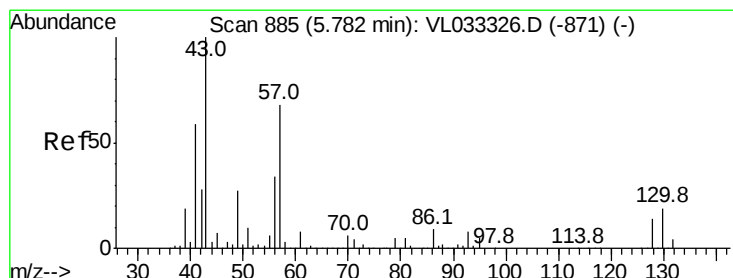
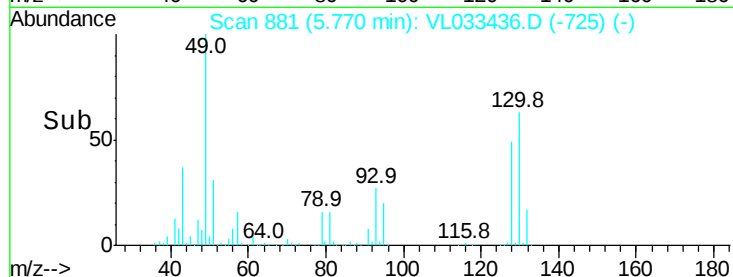
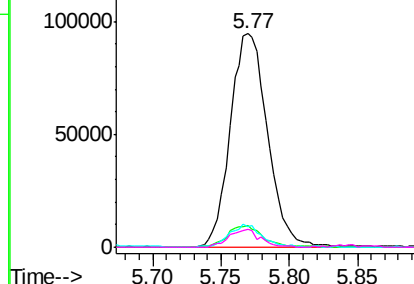
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

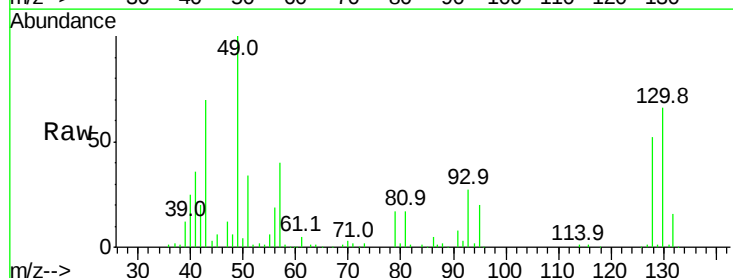
Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 1.002 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.01 min
Lab File: VL033436.D
Acq: 25 Mar 2019 11:47

Tgt Ion:	57	Resp:	79934
Ion	Ratio	Lower	Upper
57	100		
41	95.2	70.5	105.7
43	224.9	181.8	272.8
56	53.9	42.2	63.2



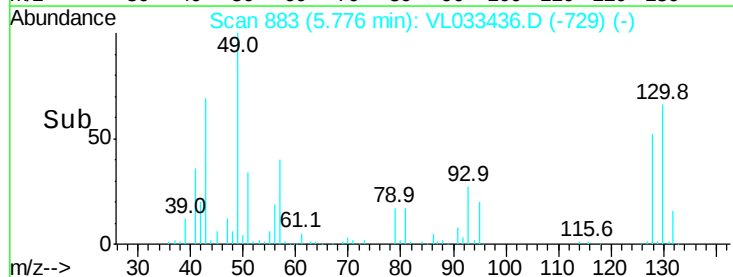
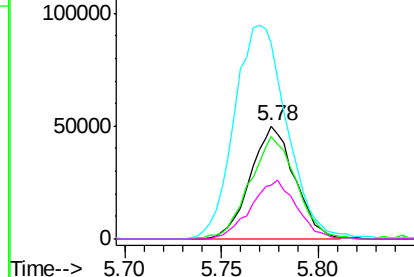
Abundance

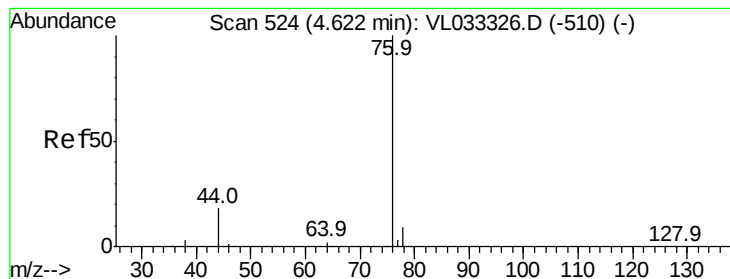
Ion 57.10 (56.80 to 57.80): VL0

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: 0.903 ppbv

RT: 4.62 min Scan# 524

Delta R.T. 0.00 min

Lab File: VL033436.D

Acq: 25 Mar 2019 11:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

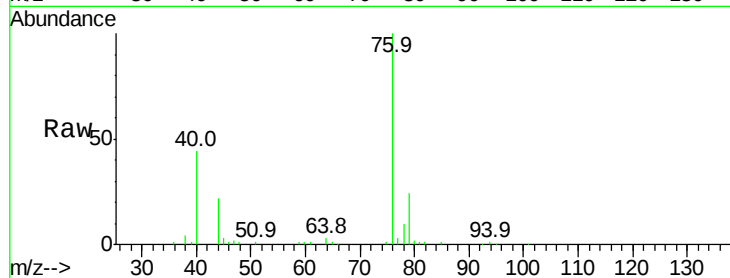
Tgt Ion: 76 Resp: 82927

Ion Ratio Lower Upper

76 100

44 23.2 15.2 22.8#

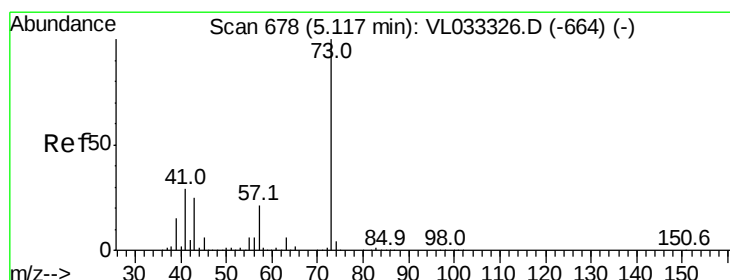
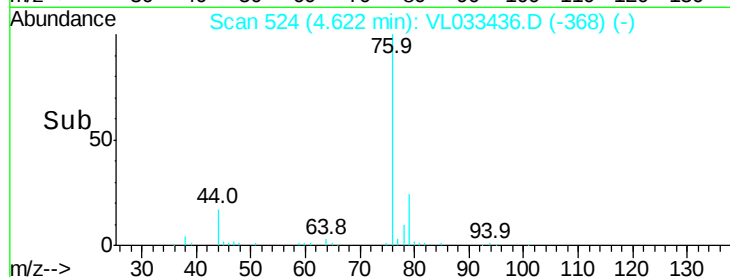
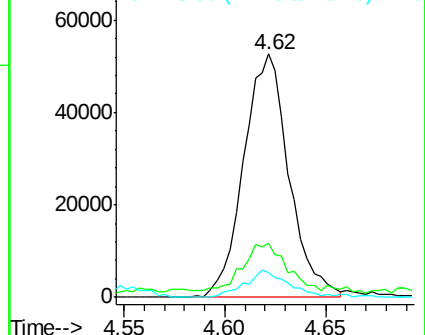
78 10.8 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 0.923 ppbv

RT: 5.12 min Scan# 678

Delta R.T. 0.00 min

Lab File: VL033436.D

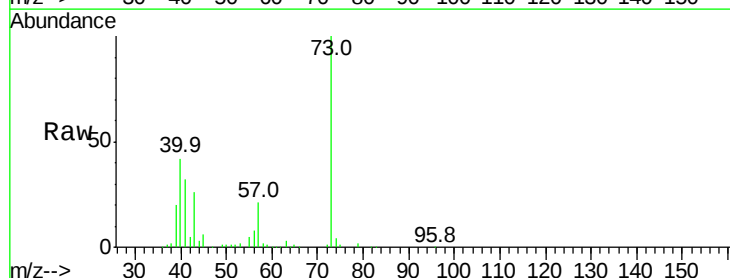
Acq: 25 Mar 2019 11:47

Tgt Ion: 73 Resp: 109430

Ion Ratio Lower Upper

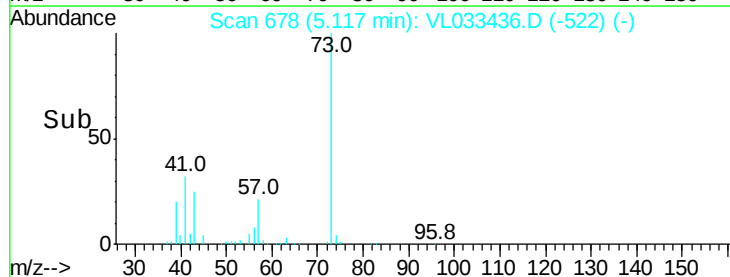
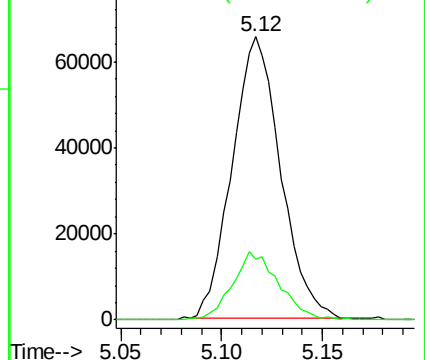
73 100

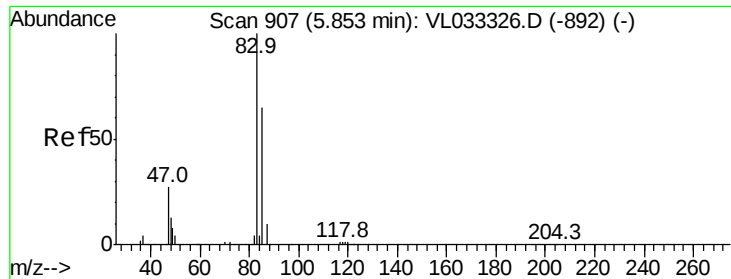
57 23.4 17.4 26.0



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 1.045 ppbv

RT: 5.84 min Scan# 903

Delta R.T. -0.01 min

Lab File: VL033436.D

Acq: 25 Mar 2019 11:47

Instrument :

MSVOA_L

ClientSampleId :

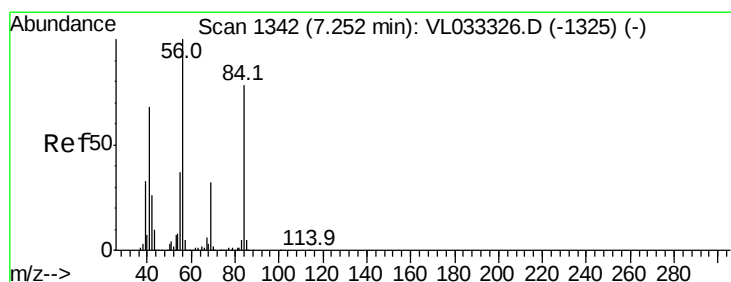
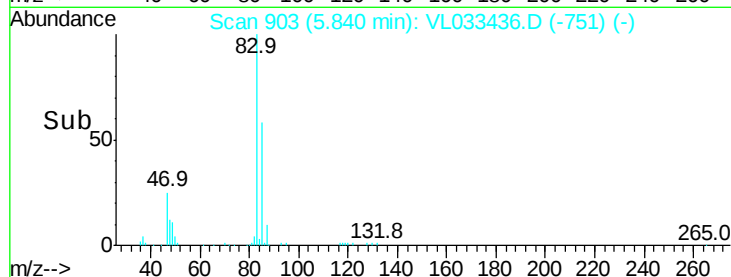
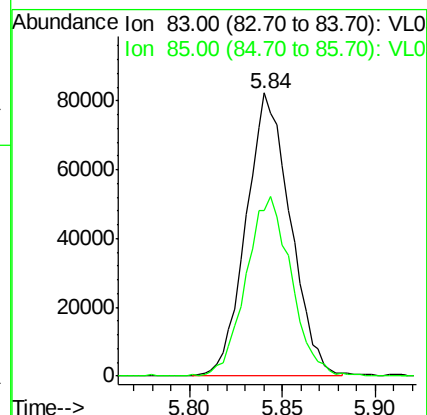
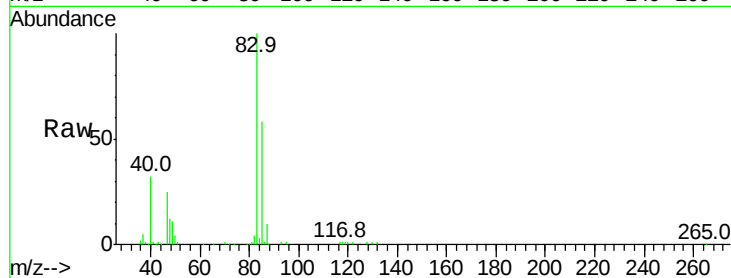
VSTDIC001

Tgt Ion: 83 Resp: 136577

Ion Ratio Lower Upper

83 100

85 58.0 52.0 78.0



#30

Cyclohexane

Concen: 0.935 ppbv

RT: 7.25 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VL033436.D

Acq: 25 Mar 2019 11:47

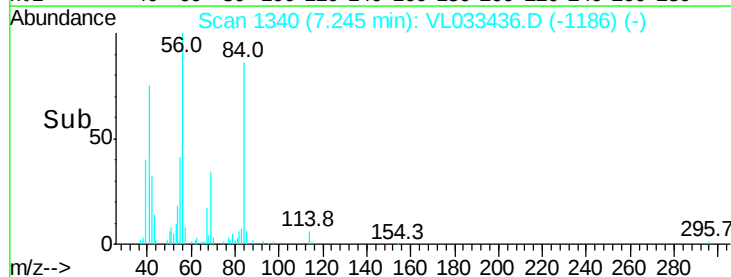
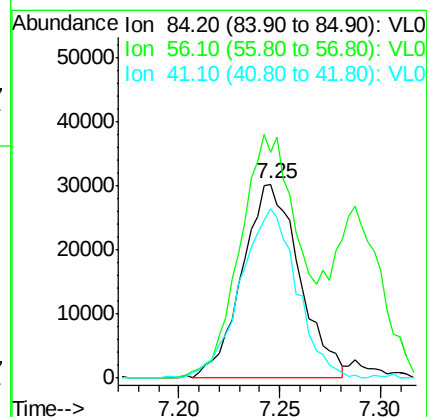
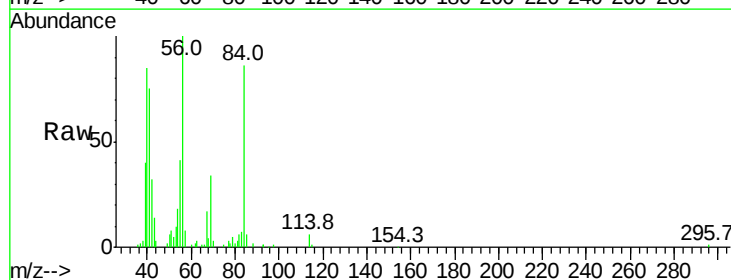
Tgt Ion: 84 Resp: 59813

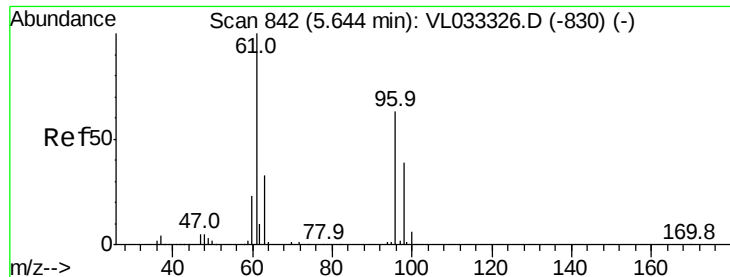
Ion Ratio Lower Upper

84 100

56 131.7 111.3 166.9

41 86.9 69.6 104.4





#31

cis-1,2-Dichloroethene

Concen: 0.930 ppbv

RT: 5.64 min Scan# 840

Delta R.T. -0.01 min

Lab File: VL033436.D

Acq: 25 Mar 2019 11:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

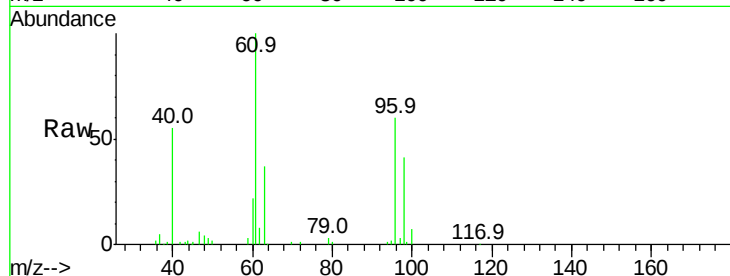
Tgt Ion: 61 Resp: 74211

Ion Ratio Lower Upper

61 100

96 59.2 50.3 75.5

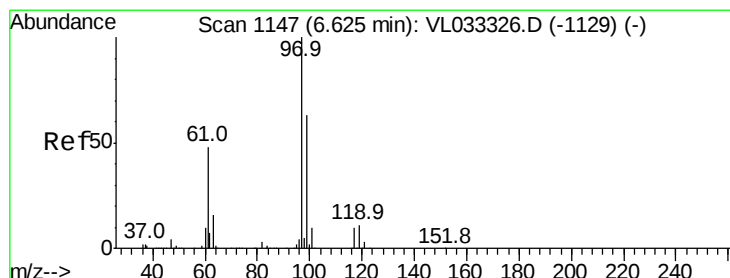
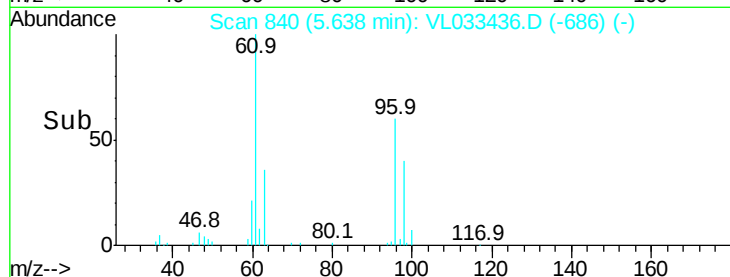
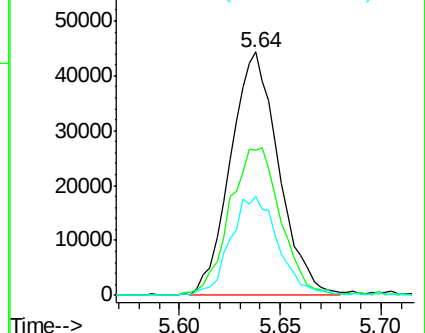
98 41.3 31.5 47.3



Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 1.009 ppbv

RT: 6.62 min Scan# 1145

Delta R.T. -0.01 min

Lab File: VL033436.D

Acq: 25 Mar 2019 11:47

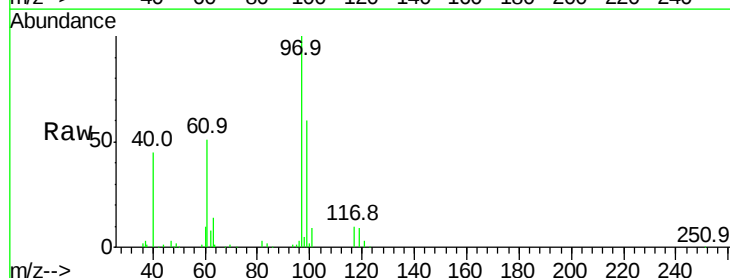
Tgt Ion: 97 Resp: 129496

Ion Ratio Lower Upper

97 100

99 64.7 51.0 76.6

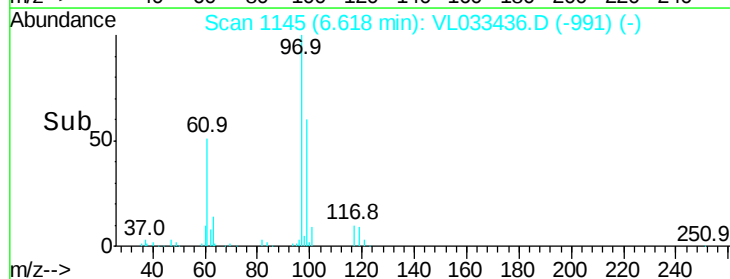
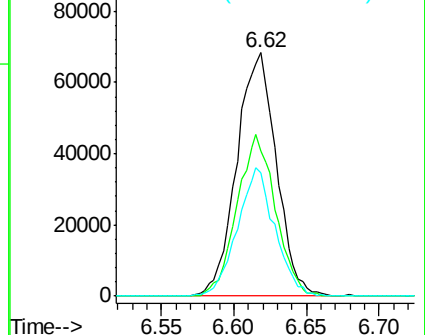
61 50.0 39.3 58.9

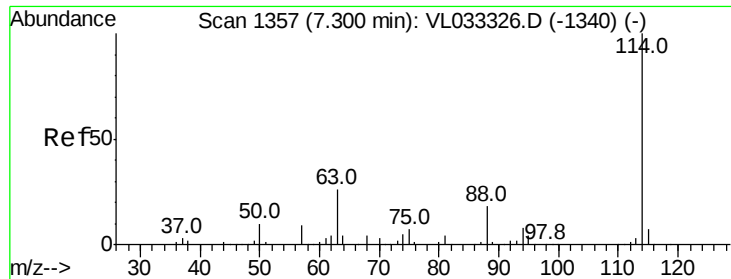


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

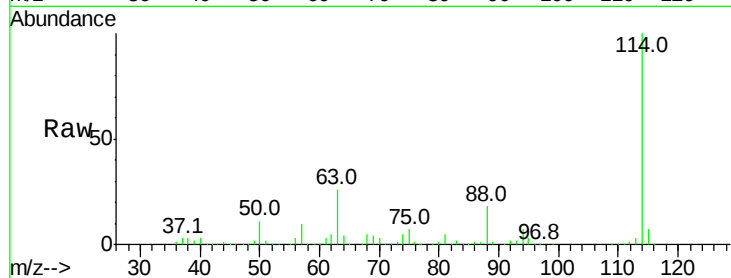




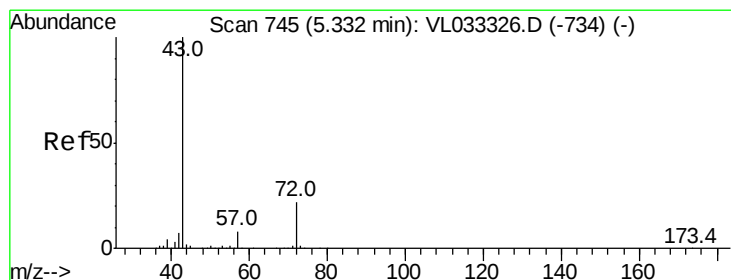
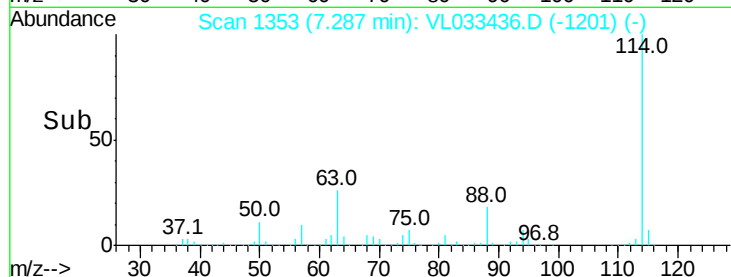
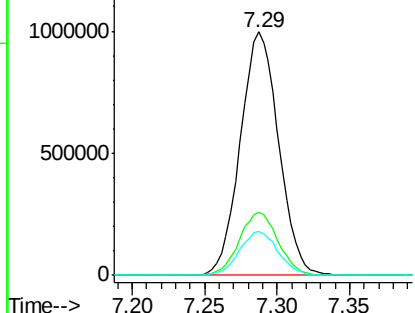
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: VL033436.D
 Acq: 25 Mar 2019 11:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion:114 Resp: 1830264
 Ion Ratio Lower Upper
 114 100
 63 26.5 21.4 32.2
 88 18.2 14.5 21.7

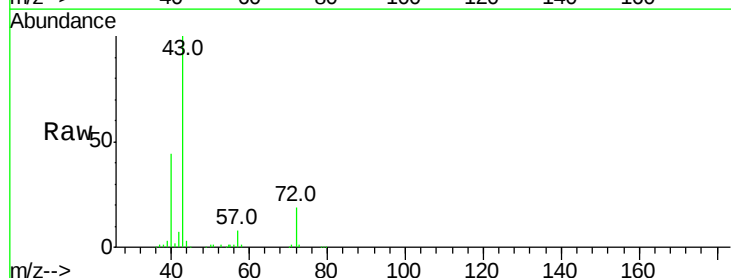


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

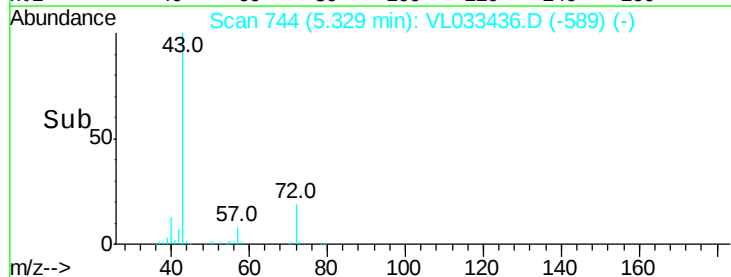
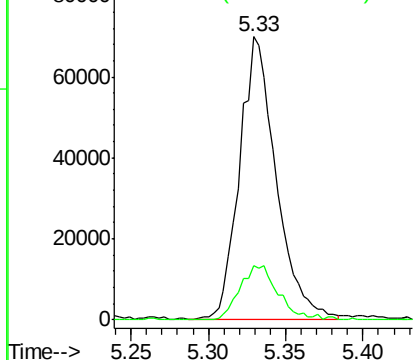


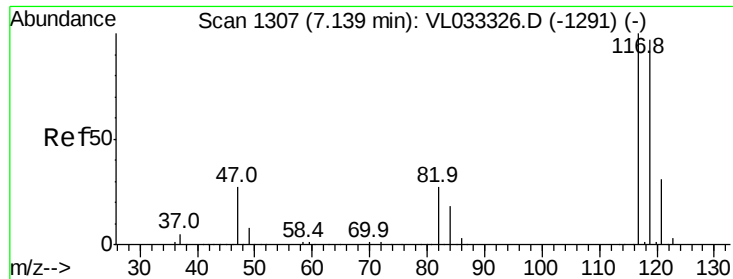
#34
 2-Butanone
 Concen: 0.961 ppbv
 RT: 5.33 min Scan# 744
 Delta R.T. -0.00 min
 Lab File: VL033436.D
 Acq: 25 Mar 2019 11:47

Tgt Ion: 43 Resp: 115471
 Ion Ratio Lower Upper
 43 100
 72 20.3 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: 1.017 ppbv

RT: 7.13 min Scan# 1305

Delta R.T. -0.01 min

Lab File: VL033436.D

Acq: 25 Mar 2019 11:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

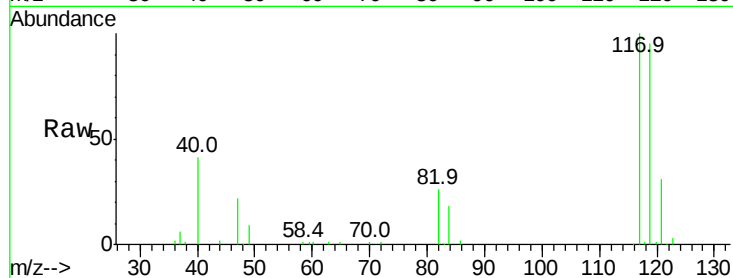
Tgt Ion: 117 Resp: 131205

Ion Ratio Lower Upper

117 100

119 94.6 77.4 116.0

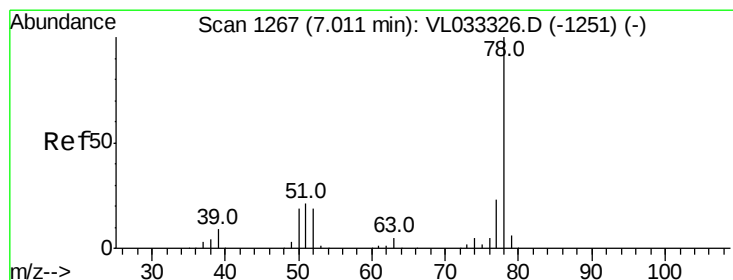
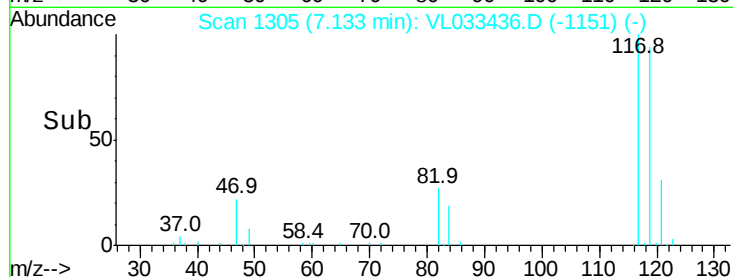
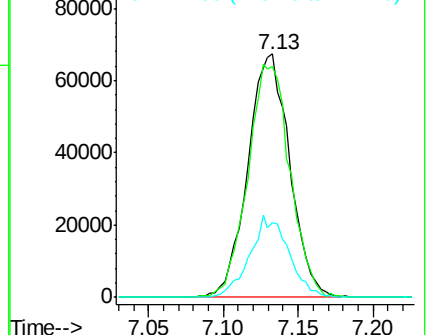
121 31.0 24.9 37.3



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: 0.945 ppbv

RT: 7.00 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VL033436.D

Acq: 25 Mar 2019 11:47

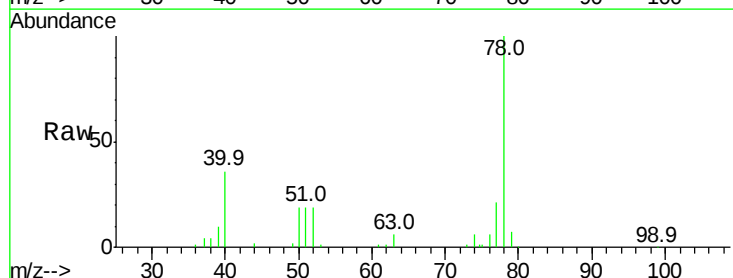
Tgt Ion: 78 Resp: 154867

Ion Ratio Lower Upper

78 100

77 20.4 18.1 27.1

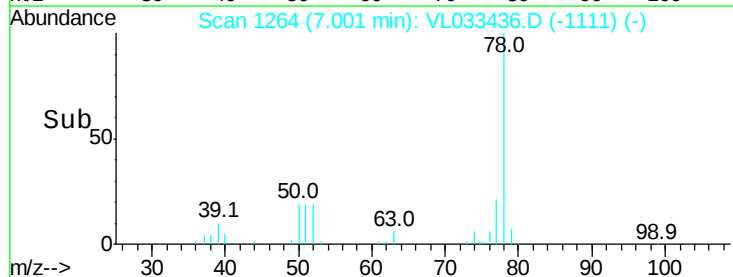
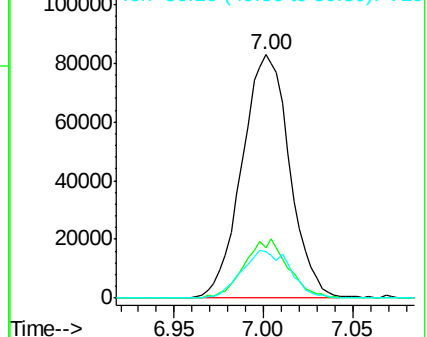
50 18.9 15.2 22.8

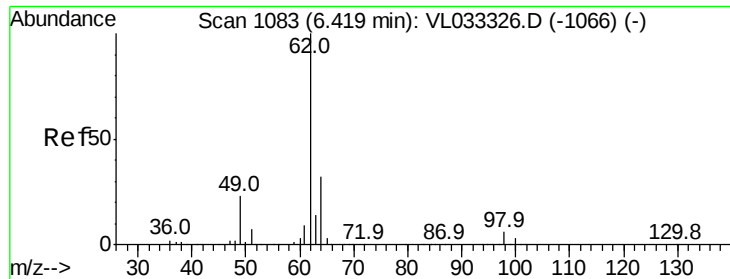


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 1.048 ppbv

RT: 6.41 min Scan# 1079

Delta R.T. -0.01 min

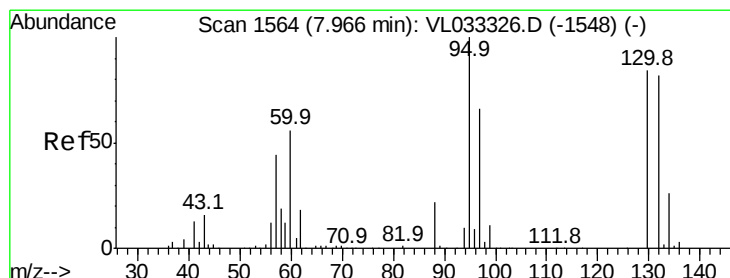
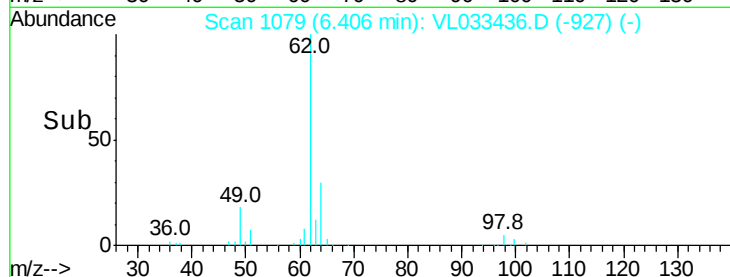
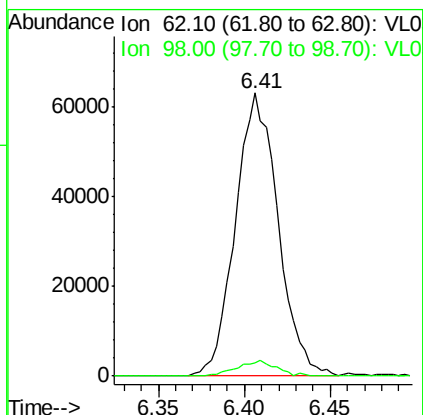
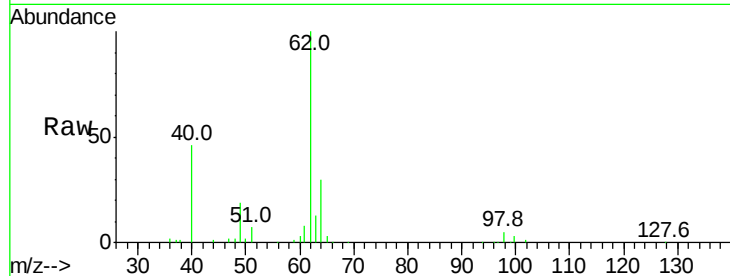
Lab File: VL033436.D

Acq: 25 Mar 2019 11:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 62 Resp: 108559

Ion	Ratio	Lower	Upper
62	100		
98	5.0	4.5	6.7



#38

Trichloroethene

Concen: 0.999 ppbv

RT: 7.96 min Scan# 1562

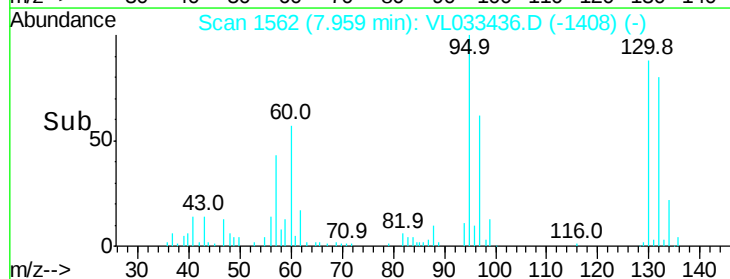
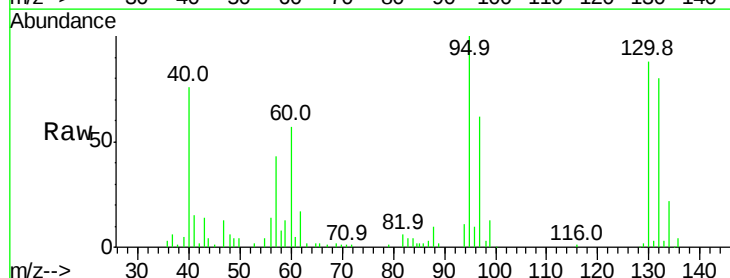
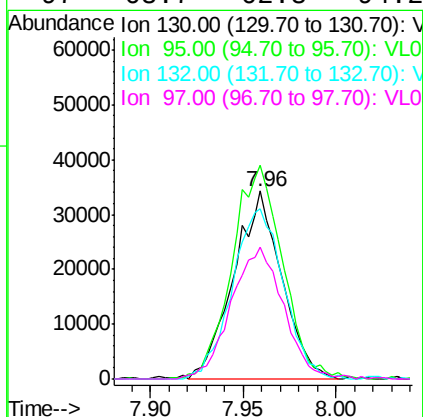
Delta R.T. -0.01 min

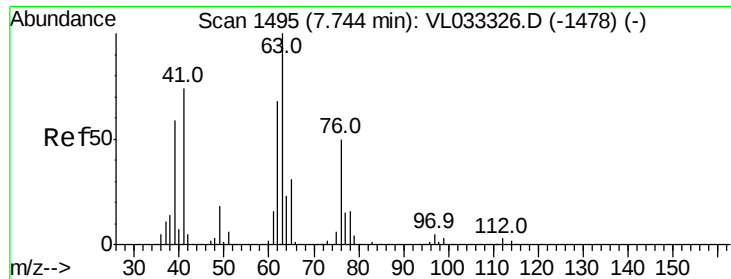
Lab File: VL033436.D

Acq: 25 Mar 2019 11:47

Tgt Ion: 130 Resp: 61905

Ion	Ratio	Lower	Upper
130	100		
95	111.1	95.2	142.8
132	89.2	77.7	116.5
97	68.7	62.8	94.2

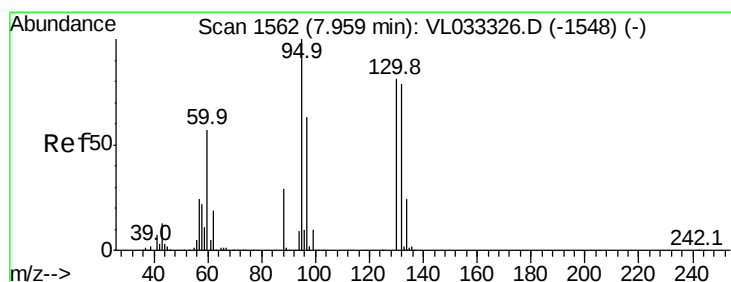
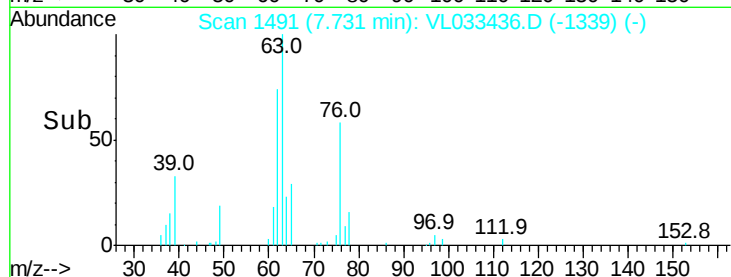
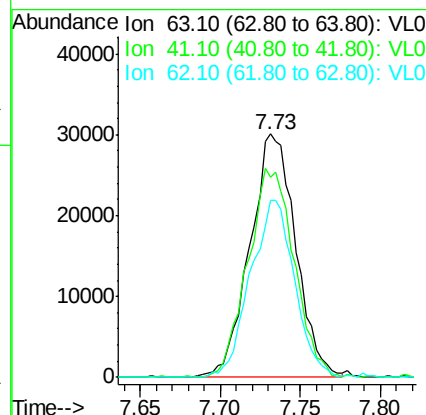
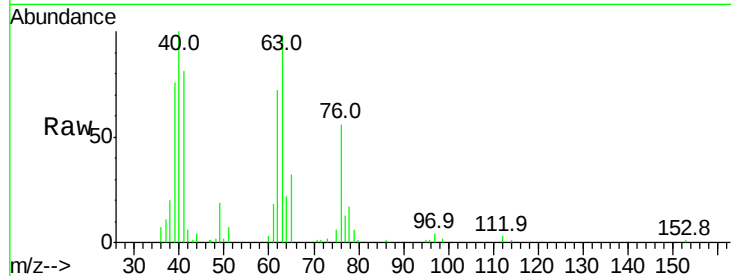




#39
 1,2-Dichloropropane
 Concen: 0.964 ppbv
 RT: 7.73 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: VL033436.D
 Acq: 25 Mar 2019 11:47

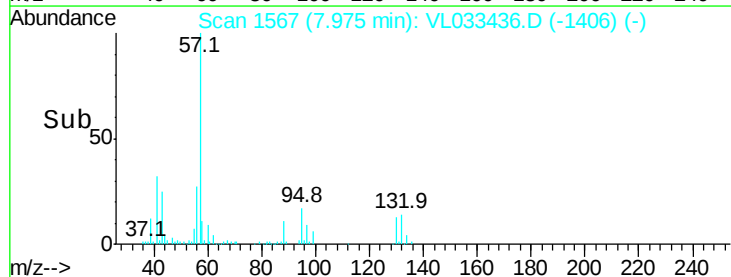
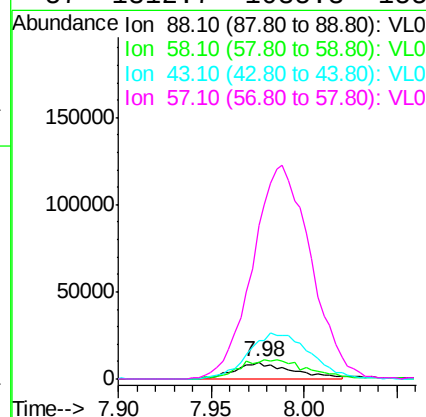
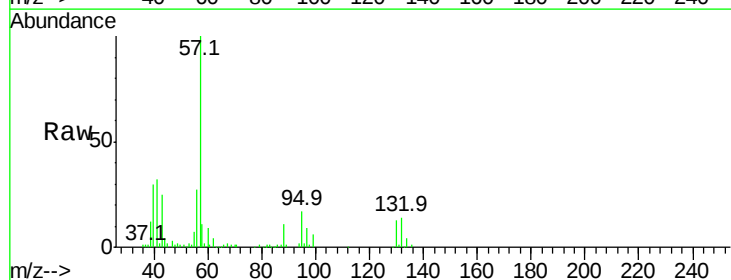
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

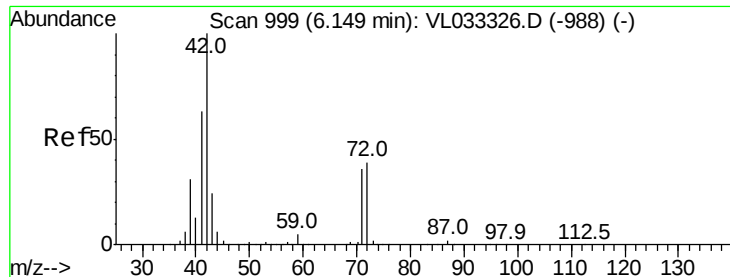
Tgt Ion: 63 Resp: 59163
 Ion Ratio Lower Upper
 63 100
 41 82.3 59.5 89.3
 62 72.8 54.7 82.1



#40
 1,4-Dioxane
 Concen: 0.950 ppbv
 RT: 7.98 min Scan# 1567
 Delta R.T. 0.02 min
 Lab File: VL033436.D
 Acq: 25 Mar 2019 11:47

Tgt Ion: 88 Resp: 20529
 Ion Ratio Lower Upper
 88 100
 58 144.0 107.9 161.9
 43 300.9 230.8 346.2
 57 1312.7 1035.3 1552.9





#41

Tetrahydrofuran

Concen: 0.918 ppbv

RT: 6.16 min Scan# 1003

Delta R.T. 0.01 min

Lab File: VL033436.D

Acq: 25 Mar 2019 11:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

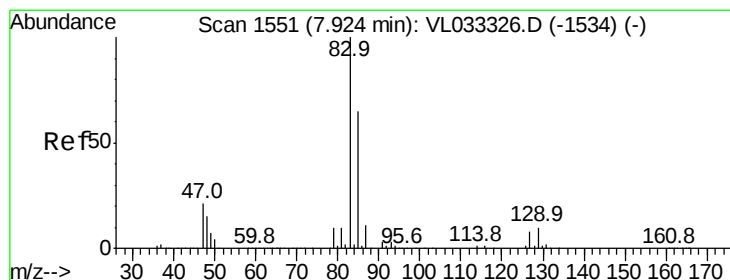
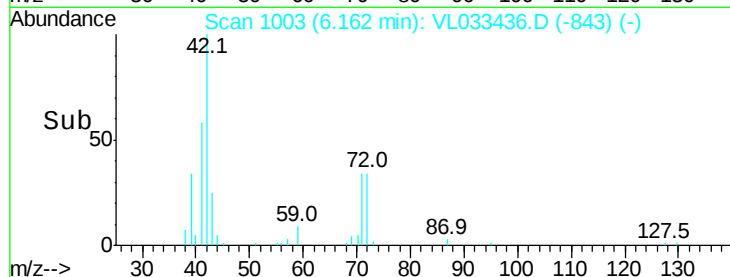
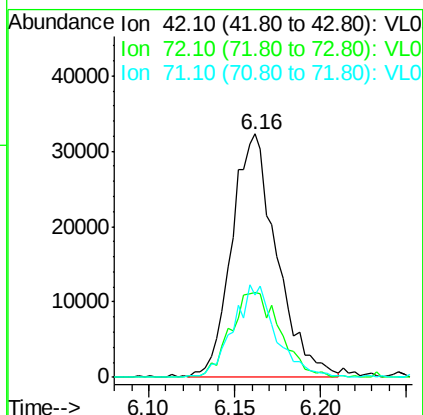
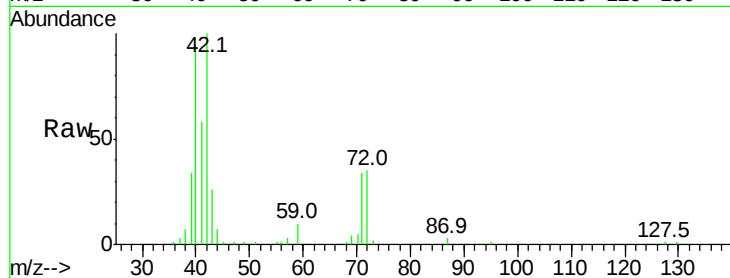
Tgt Ion: 42 Resp: 58888

Ion Ratio Lower Upper

42 100

72 38.5 31.6 47.4

71 36.3 29.9 44.9



#42

Bromodichloromethane

Concen: 0.973 ppbv

RT: 7.91 min Scan# 1547

Delta R.T. -0.01 min

Lab File: VL033436.D

Acq: 25 Mar 2019 11:47

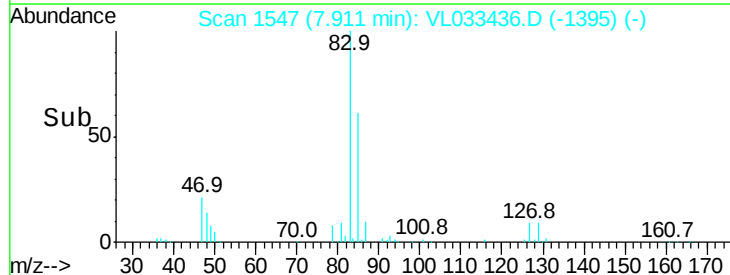
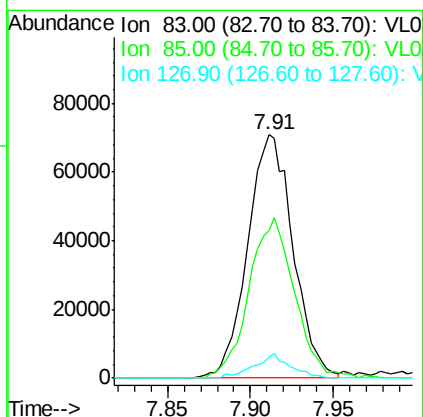
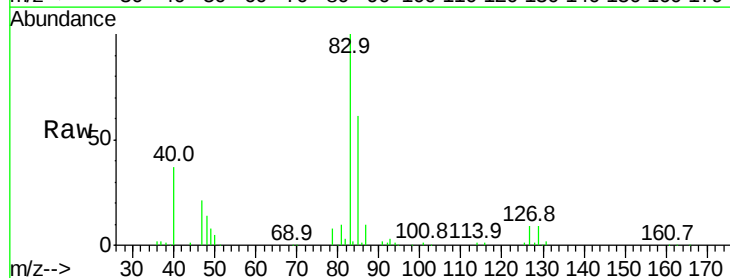
Tgt Ion: 83 Resp: 135161

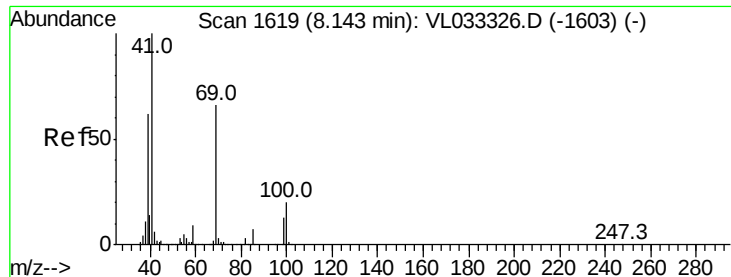
Ion Ratio Lower Upper

83 100

85 60.6 51.8 77.6

127 8.7 6.2 9.2





#43

Methyl Methacrylate

Concen: 0.953 ppbv

RT: 8.14 min Scan# 1617

Delta R.T. -0.01 min

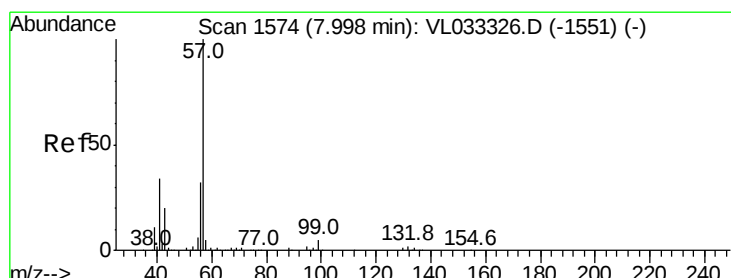
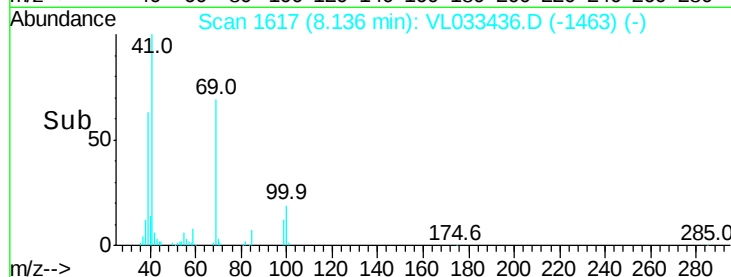
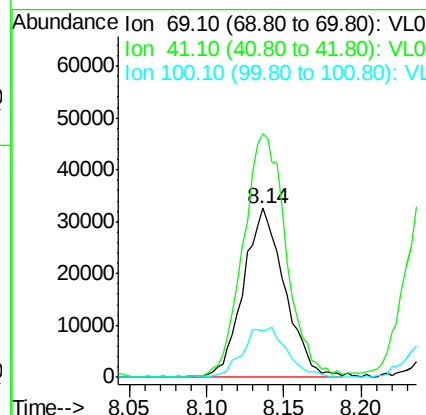
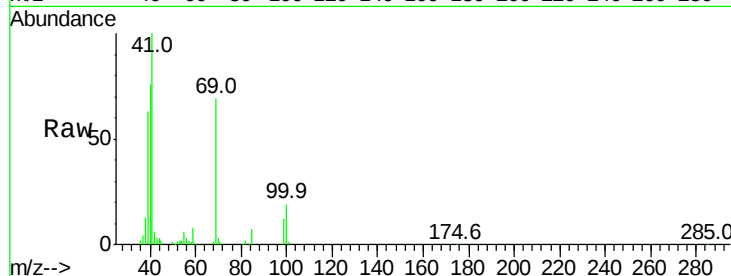
Lab File: VL033436.D

Acq: 25 Mar 2019 11:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 69 Resp: 60812

Ion	Ratio	Lower	Upper
69	100		
41	150.3	119.5	179.3
100	31.1	24.4	36.6



#44

2,2,4-Trimethylpentane

Concen: 0.992 ppbv

RT: 7.99 min Scan# 1571

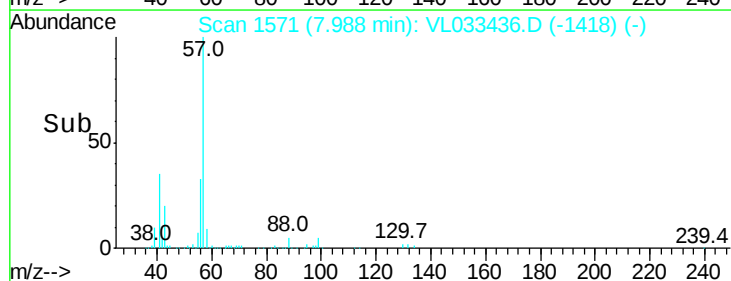
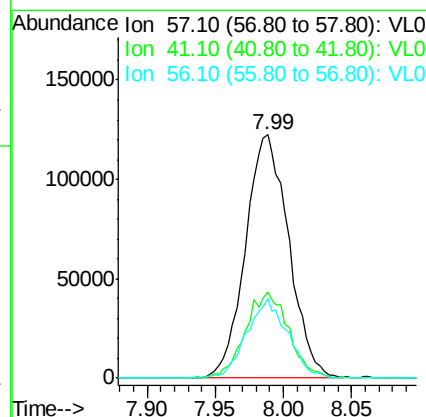
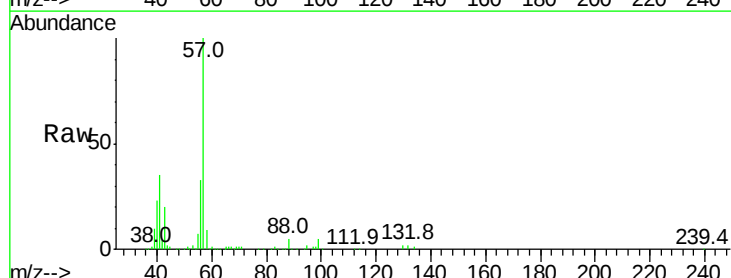
Delta R.T. -0.01 min

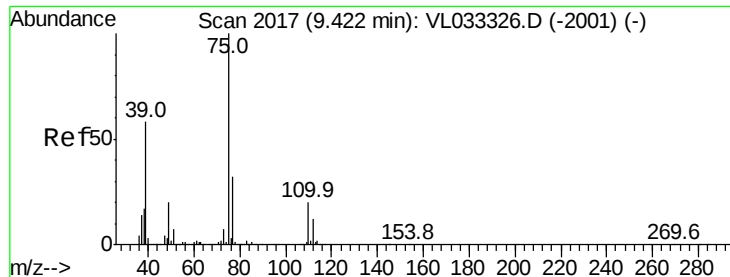
Lab File: VL033436.D

Acq: 25 Mar 2019 11:47

Tgt Ion: 57 Resp: 269194

Ion	Ratio	Lower	Upper
57	100		
41	35.2	26.0	39.0
56	30.9	24.6	36.8





#45

t-1,3-Dichloropropene

Concen: 0.811 ppbv

RT: 9.42 min Scan# 2015

Delta R.T. -0.01 min

Lab File: VL033436.D

Acq: 25 Mar 2019 11:47

Instrument :

MSVOA_L

ClientSampleId :

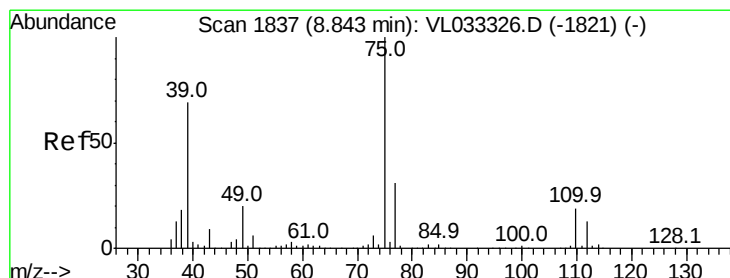
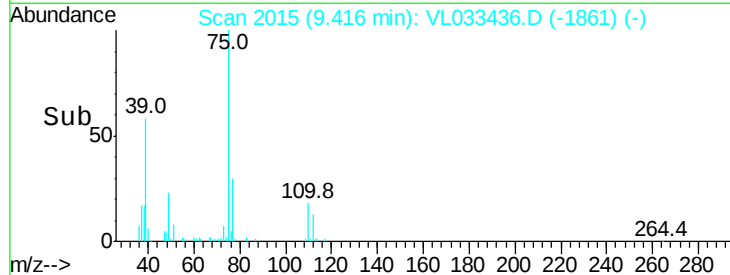
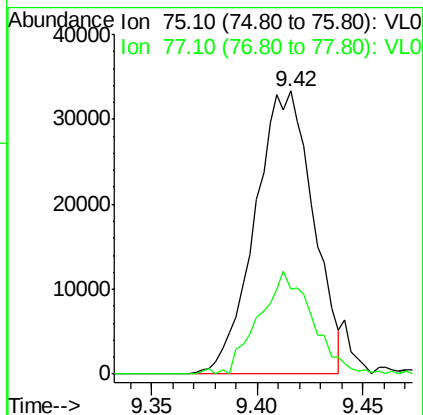
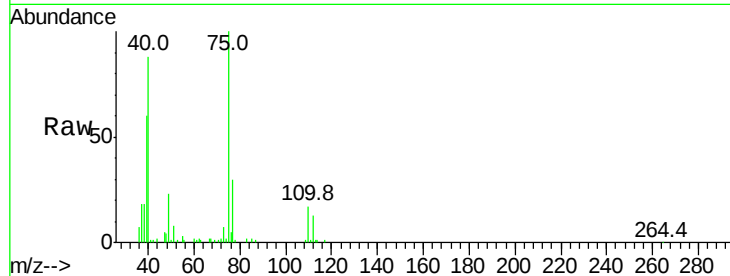
VSTDIC001

Tgt Ion: 75 Resp: 63897

Ion Ratio Lower Upper

75 100

77 31.4 25.5 38.3



#46

cis-1,3-Dichloropropene

Concen: 0.863 ppbv

RT: 8.83 min Scan# 1834

Delta R.T. -0.01 min

Lab File: VL033436.D

Acq: 25 Mar 2019 11:47

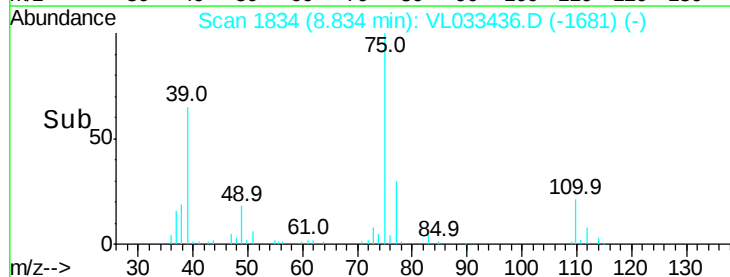
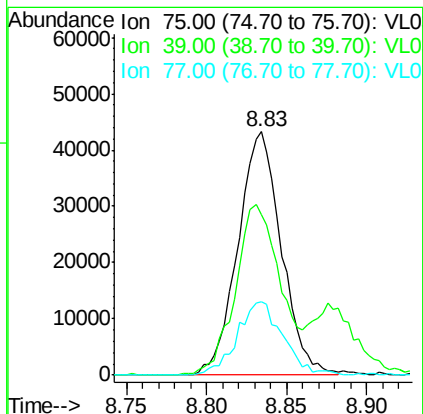
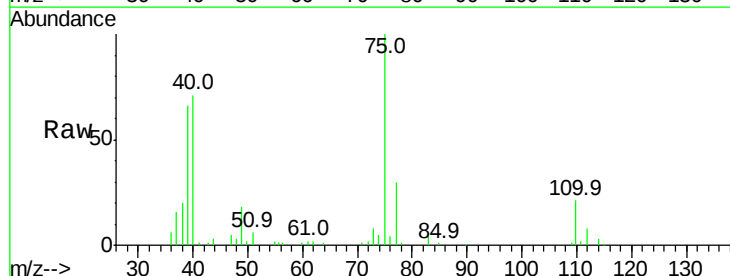
Tgt Ion: 75 Resp: 80043

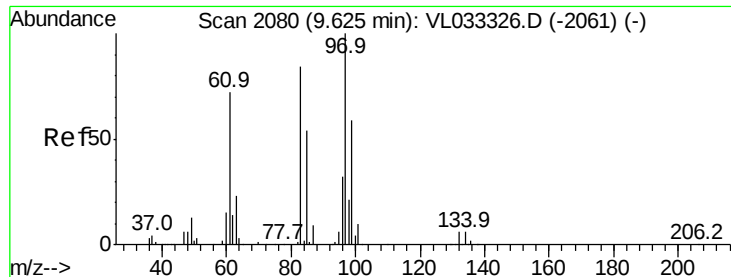
Ion Ratio Lower Upper

75 100

39 65.1 55.0 82.6

77 30.1 24.5 36.7

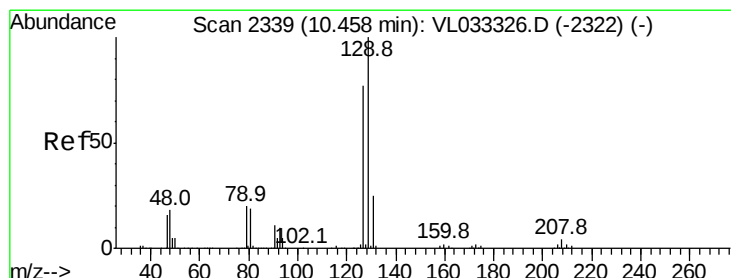
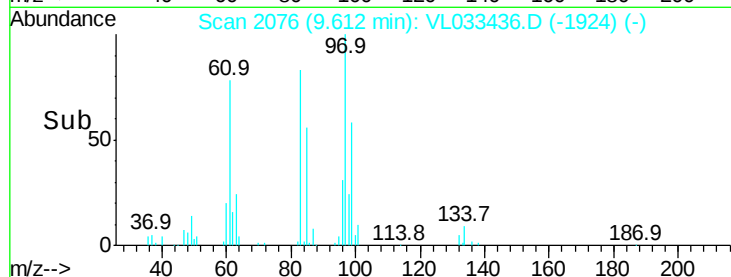
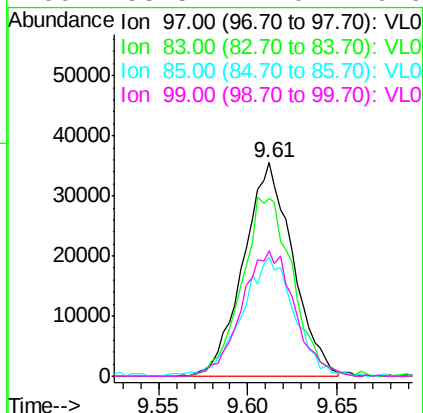
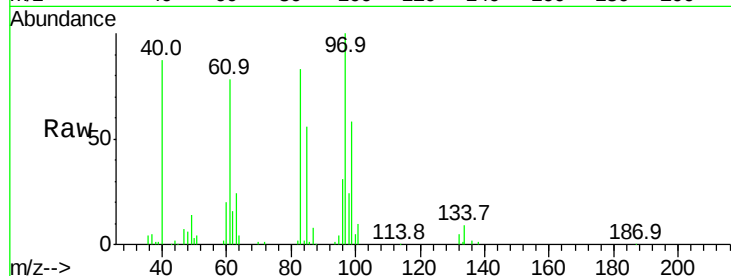




#47
 1,1,2-Trichloroethane
 Concen: 1.015 ppbv
 RT: 9.61 min Scan# 2076
 Delta R.T. -0.01 min
 Lab File: VL033436.D
 Acq: 25 Mar 2019 11:47

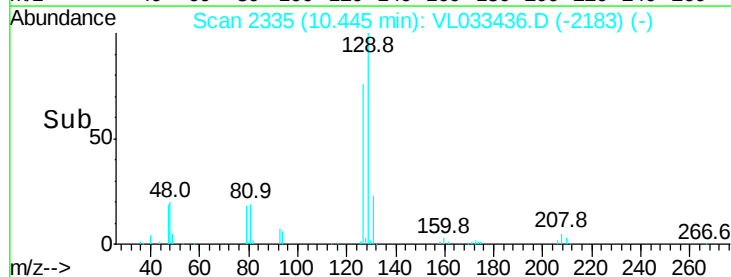
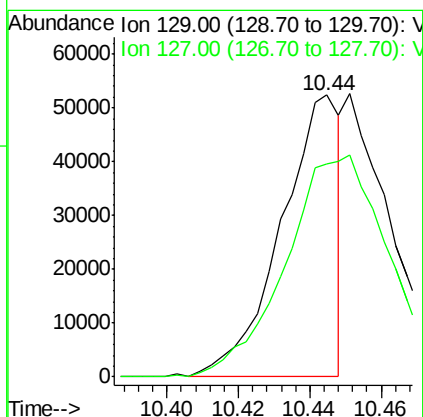
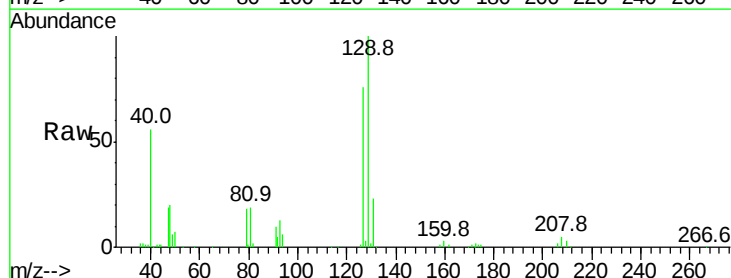
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

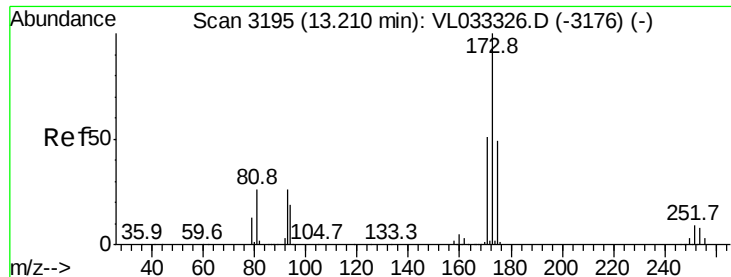
Tgt Ion: 97 Resp: 68808
 Ion Ratio Lower Upper
 97 100
 83 83.4 67.4 101.0
 85 54.3 43.0 64.4
 99 58.5 47.0 70.6



#48
 Dibromochloromethane
 Concen: 0.525 ppbv
 RT: 10.44 min Scan# 2335
 Delta R.T. -0.01 min
 Lab File: VL033436.D
 Acq: 25 Mar 2019 11:47

Tgt Ion: 129 Resp: 59659
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.9 116.6#





#49

Bromoform

Concen: 0.868 ppbv

RT: 13.20 min Scan# 3191

Delta R.T. -0.01 min

Lab File: VL033436.D

Acq: 25 Mar 2019 11:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

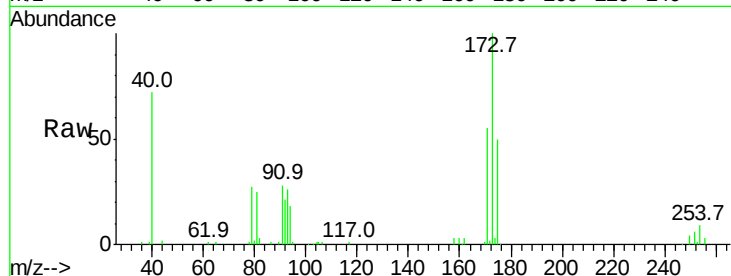
Tgt Ion:173 Resp: 93607

Ion Ratio Lower Upper

173 100

175 49.1 39.0 58.6

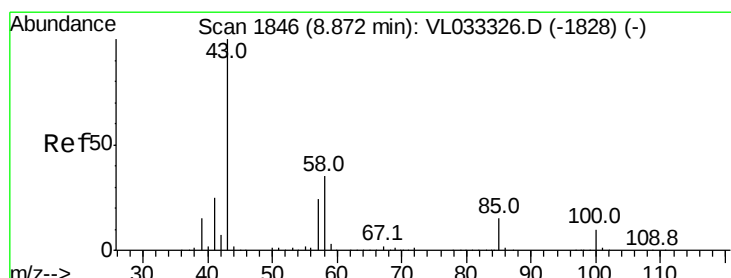
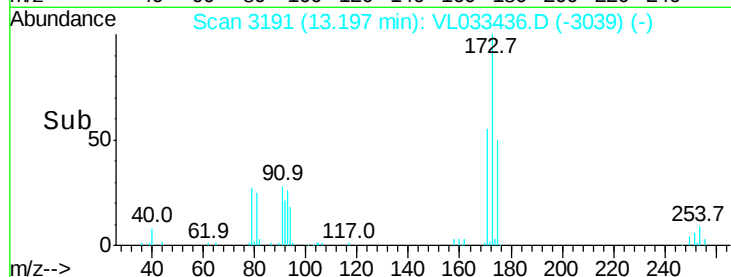
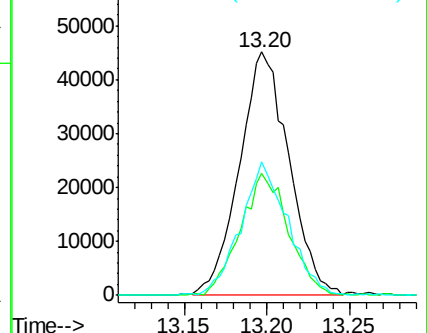
171 52.0 41.7 62.5



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: 0.956 ppbv

RT: 8.88 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VL033436.D

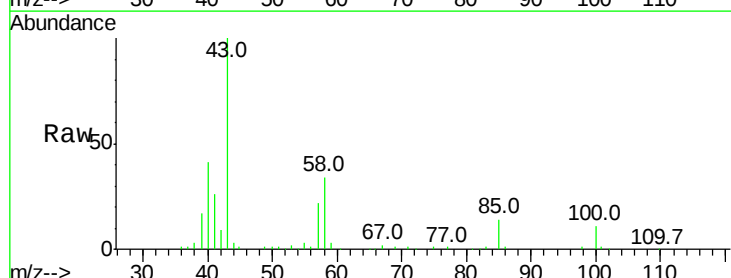
Acq: 25 Mar 2019 11:47

Tgt Ion: 43 Resp: 162234

Ion Ratio Lower Upper

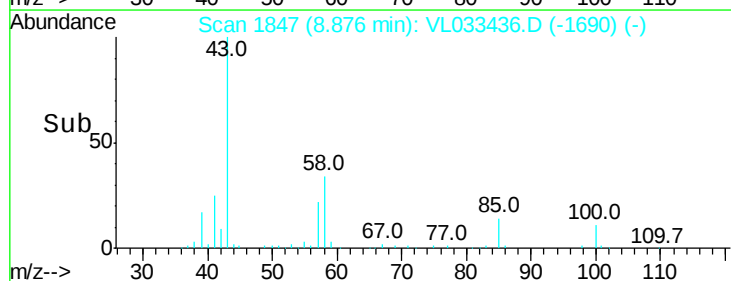
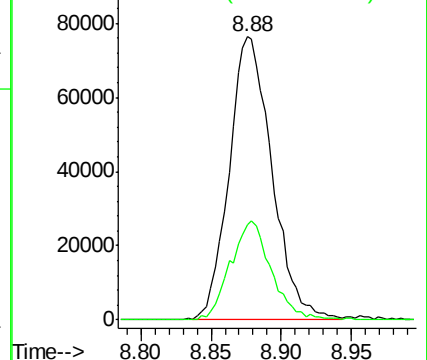
43 100

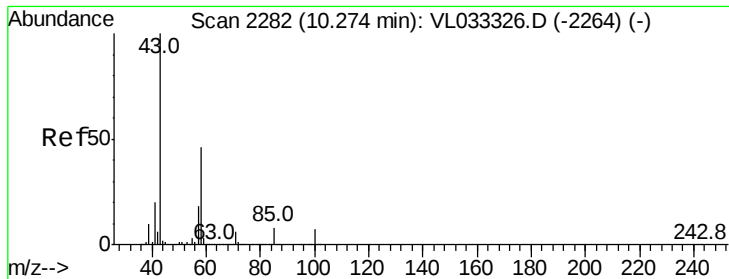
58 33.2 28.4 42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 0.828 ppbv

RT: 10.28 min Scan# 2284

Delta R.T. 0.01 min

Lab File: VL033436.D

Acq: 25 Mar 2019 11:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

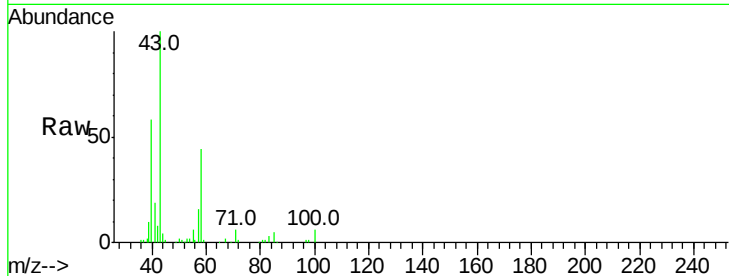
Tgt Ion: 43 Resp: 108431

Ion Ratio Lower Upper

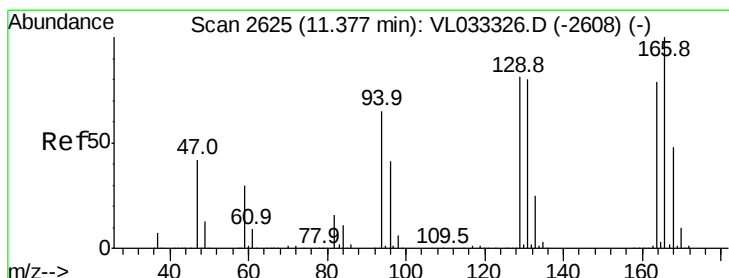
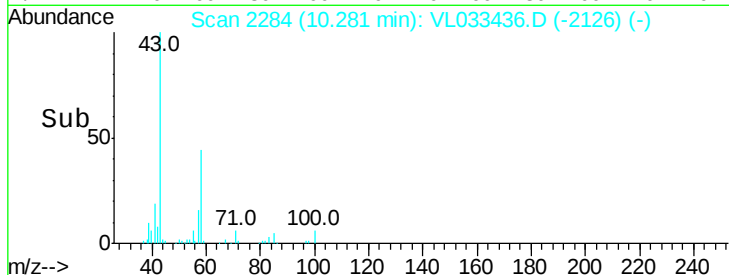
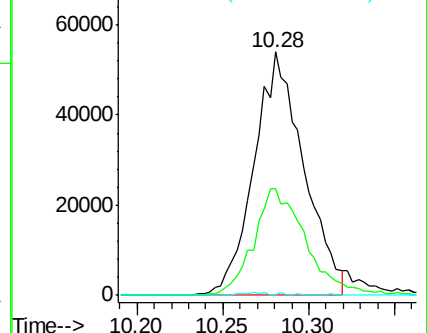
43 100

58 46.6 38.0 57.0

98 0.8 0.1 0.1#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 0.878 ppbv

RT: 11.37 min Scan# 2624

Delta R.T. -0.00 min

Lab File: VL033436.D

Acq: 25 Mar 2019 11:47

Tgt Ion: 164 Resp: 59940

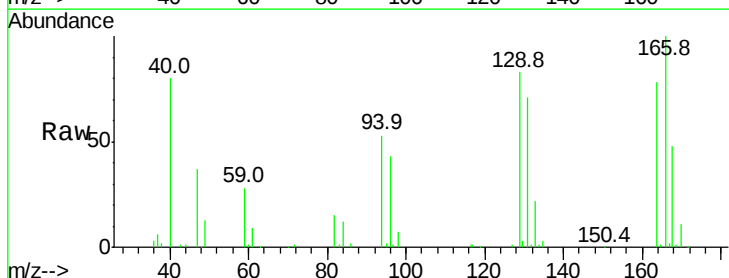
Ion Ratio Lower Upper

164 100

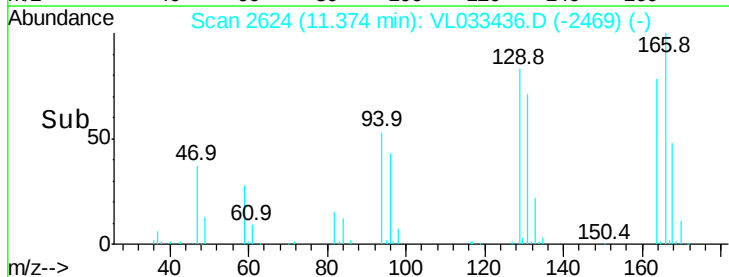
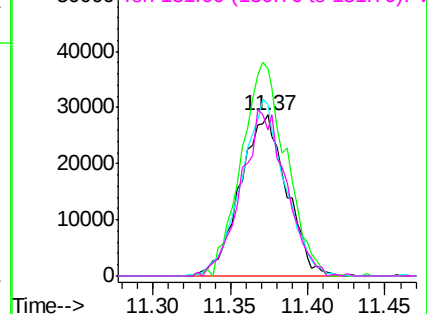
166 128.1 101.5 152.3

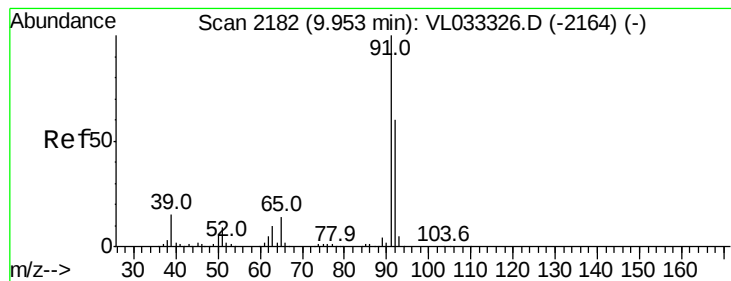
129 109.6 82.2 123.2

131 90.8 81.1 121.7



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 0.918 ppbv

RT: 9.95 min Scan# 2180

Delta R.T. -0.01 min

Lab File: VL033436.D

Acq: 25 Mar 2019 11:47

Instrument :

MSVOA_L

ClientSampleId :

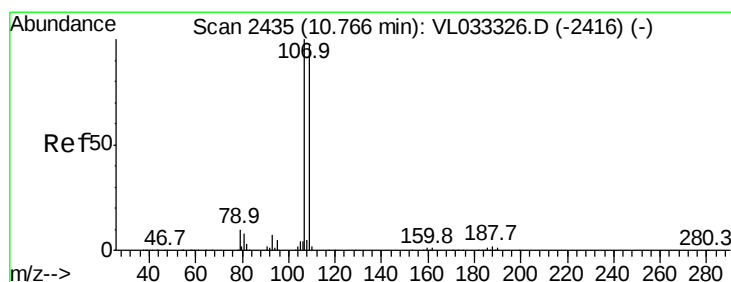
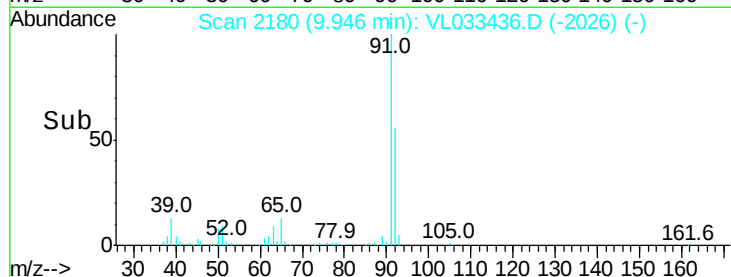
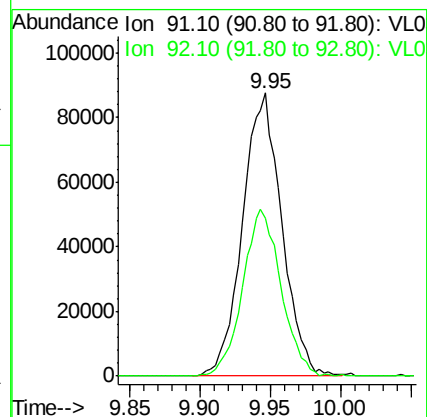
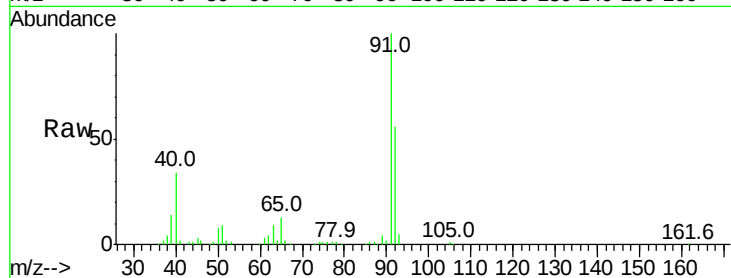
VSTDIC001

Tgt Ion: 91 Resp: 170944

Ion Ratio Lower Upper

91 100

92 57.5 47.4 71.0



#54

1,2-Dibromoethane

Concen: 0.398 ppbv

RT: 10.75 min Scan# 2430

Delta R.T. -0.02 min

Lab File: VL033436.D

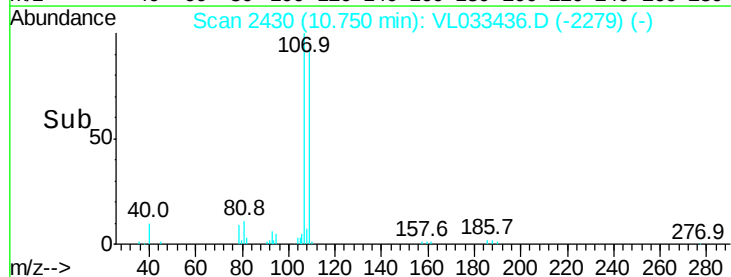
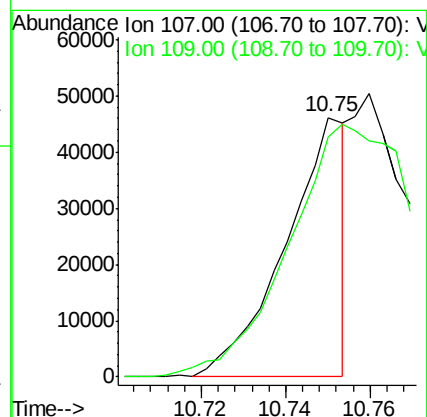
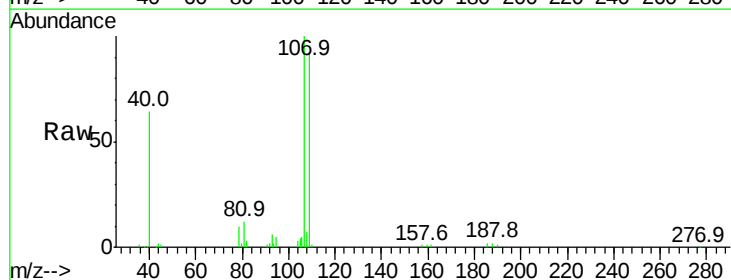
Acq: 25 Mar 2019 11:47

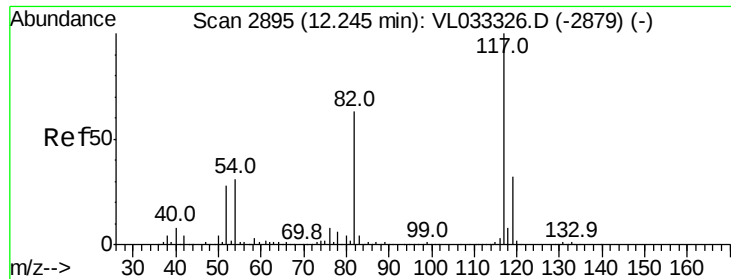
Tgt Ion: 107 Resp: 45559

Ion Ratio Lower Upper

107 100

109 88.8 77.2 115.8

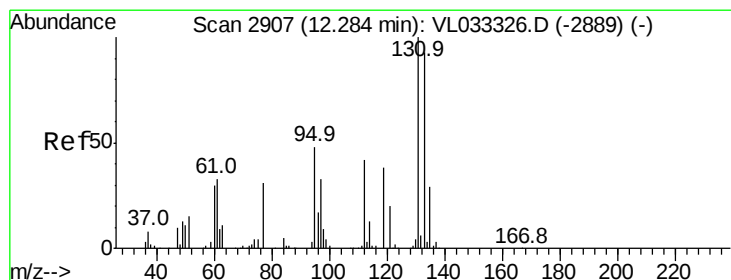
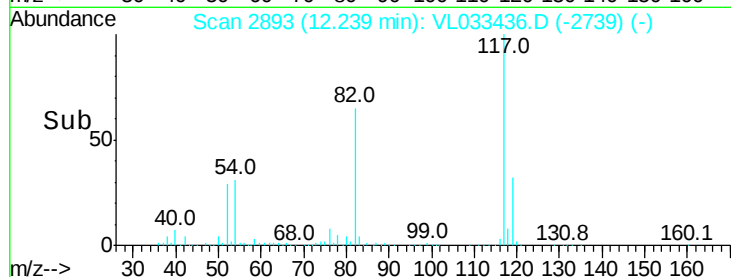
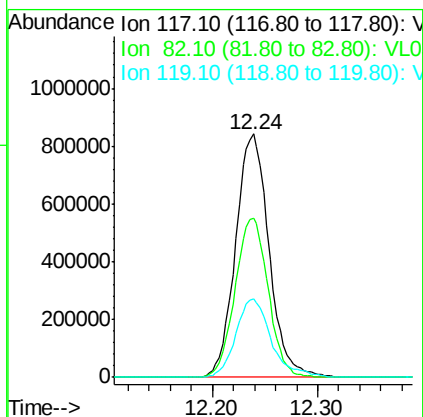
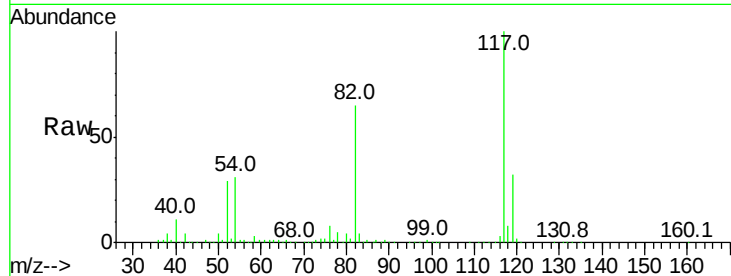




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL033436.D
Acq: 25 Mar 2019 11:47

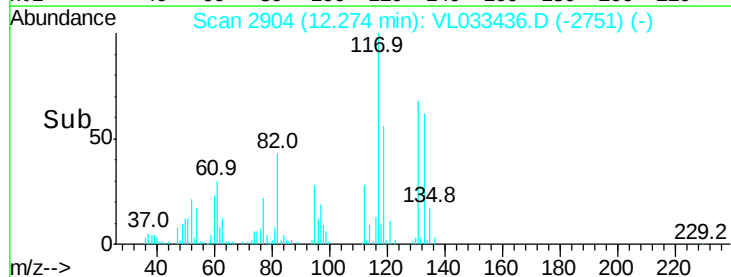
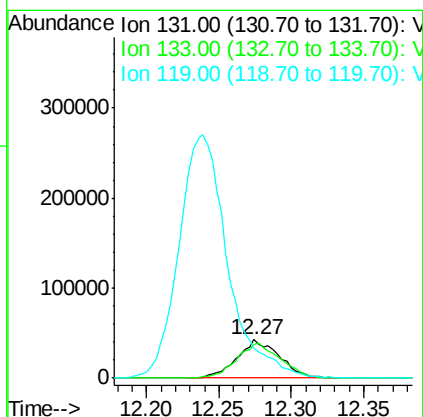
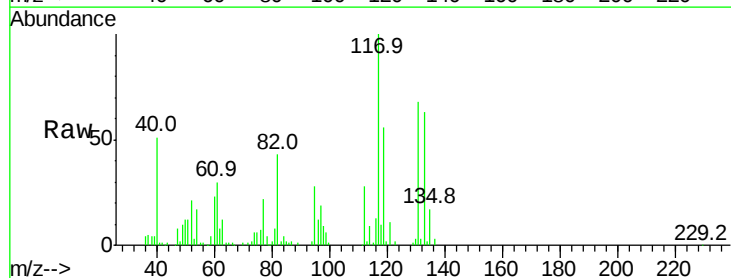
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

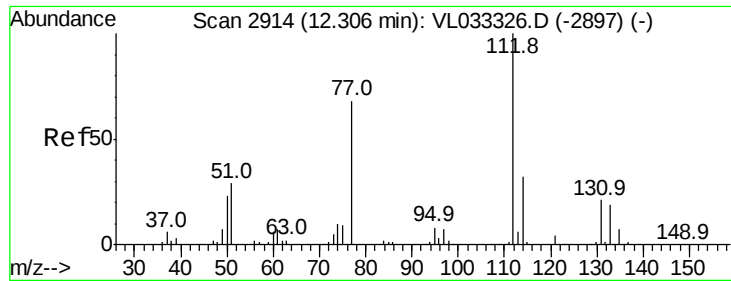
Tgt Ion:117 Resp: 1850609
Ion Ratio Lower Upper
117 100
82 65.1 53.4 80.2
119 34.3 27.3 40.9



#56
1,1,1,2-Tetrachloroethane
Concen: 1.050 ppbv
RT: 12.27 min Scan# 2904
Delta R.T. -0.01 min
Lab File: VL033436.D
Acq: 25 Mar 2019 11:47

Tgt Ion:131 Resp: 86897
Ion Ratio Lower Upper
131 100
133 93.8 76.7 115.1
119 731.4 40.3 60.5#





#57

Chlorobenzene

Concen: 1.008 ppbv

RT: 12.30 min Scan# 2911

Delta R.T. -0.01 min

Lab File: VL033436.D

Acq: 25 Mar 2019 11:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

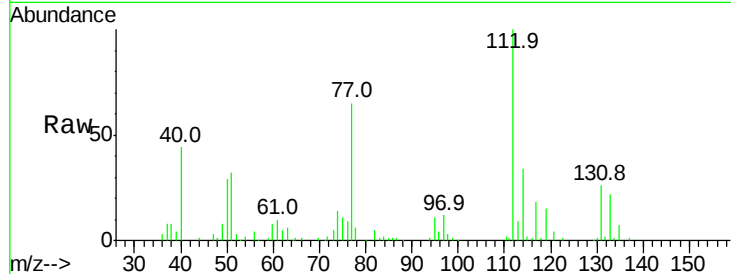
Tgt Ion: 112 Resp: 147703

Ion Ratio Lower Upper

112 100

77 64.8 55.8 83.6

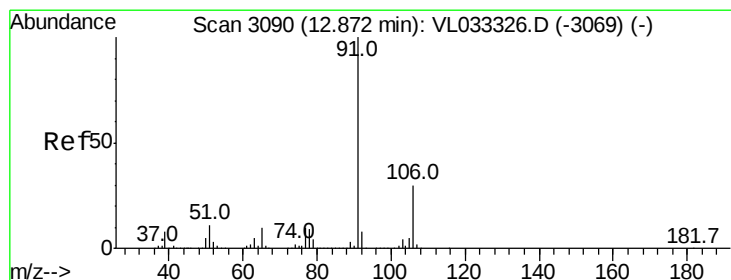
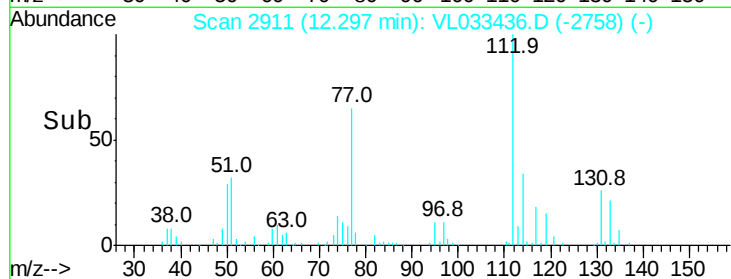
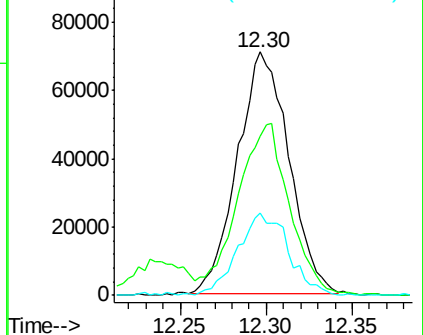
114 33.5 28.6 35.0



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: 0.937 ppbv

RT: 12.86 min Scan# 3086

Delta R.T. -0.01 min

Lab File: VL033436.D

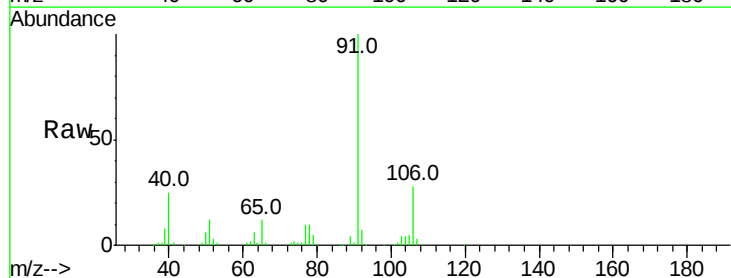
Acq: 25 Mar 2019 11:47

Tgt Ion: 91 Resp: 245426

Ion Ratio Lower Upper

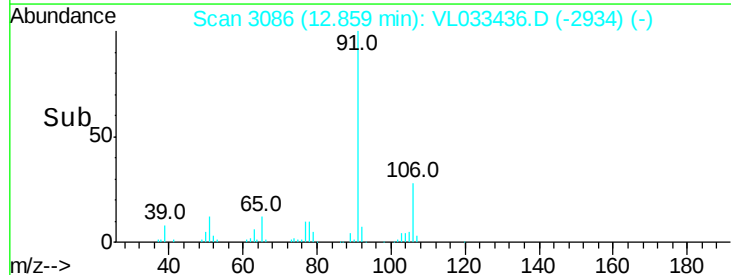
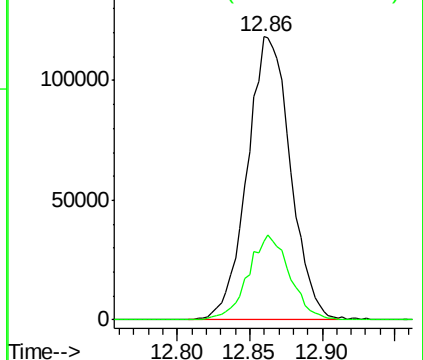
91 100

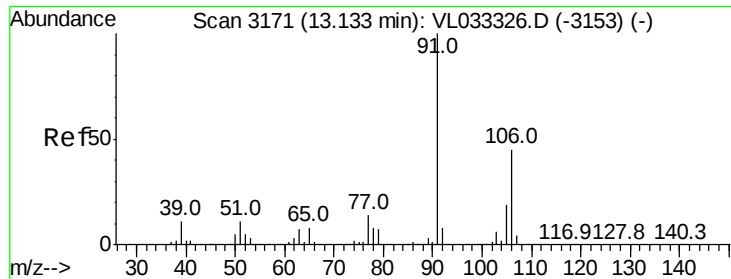
106 28.0 24.2 36.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

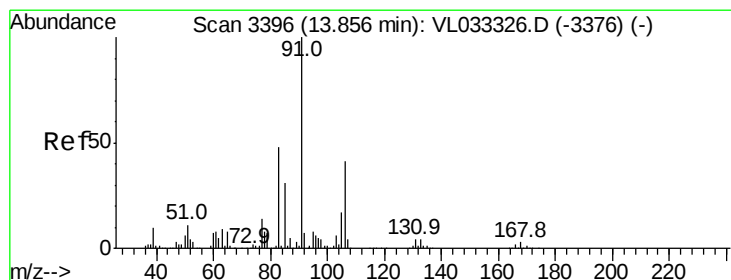
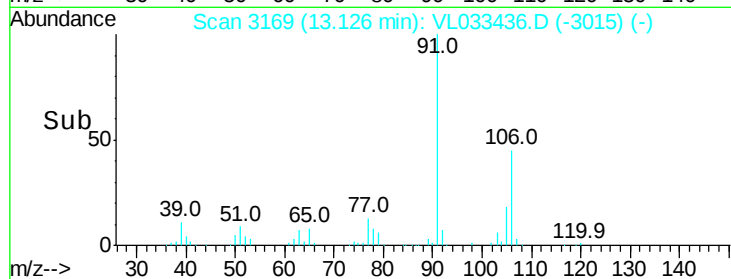
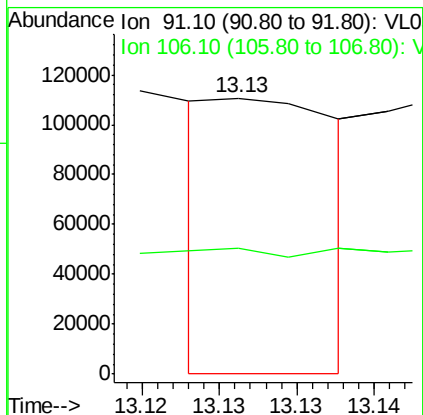
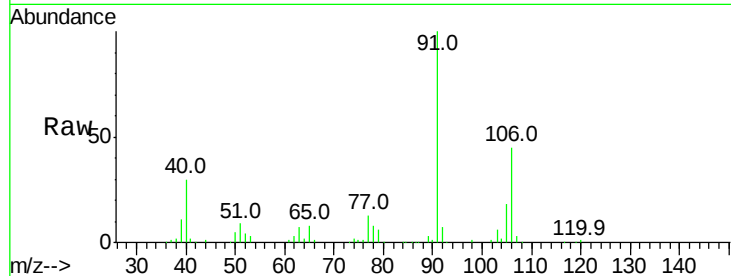




#59
m/p-Xylene
Concen: 0.275 ppbv
RT: 13.13 min Scan# 3169
Delta R.T. -0.01 min
Lab File: VL033436.D
Acq: 25 Mar 2019 11:47

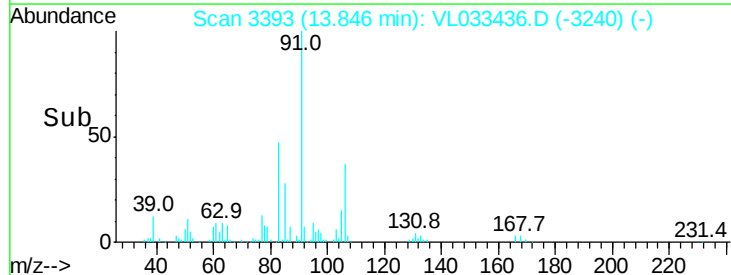
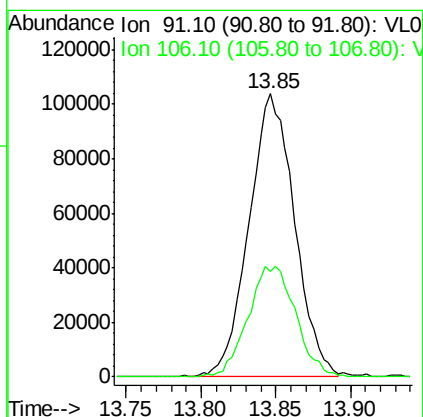
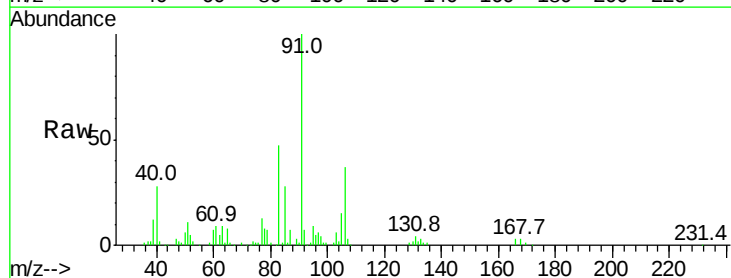
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

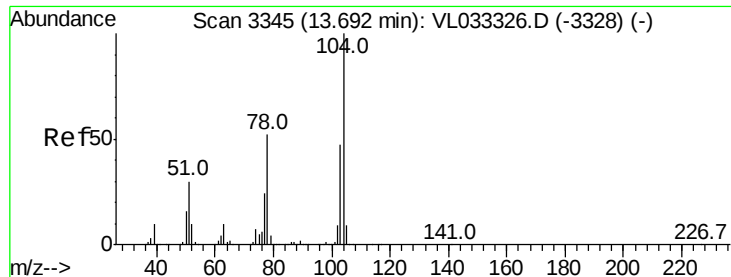
Tgt Ion: 91 Resp: 61913
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0



#60
o-Xylene
Concen: 0.999 ppbv
RT: 13.85 min Scan# 3393
Delta R.T. -0.01 min
Lab File: VL033436.D
Acq: 25 Mar 2019 11:47

Tgt Ion: 91 Resp: 219284
Ion Ratio Lower Upper
91 100
106 41.2 21.3 63.9





#61

Styrene

Concen: 0.924 ppbv

RT: 13.69 min Scan# 3343

Delta R.T. -0.01 min

Lab File: VL033436.D

Acq: 25 Mar 2019 11:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

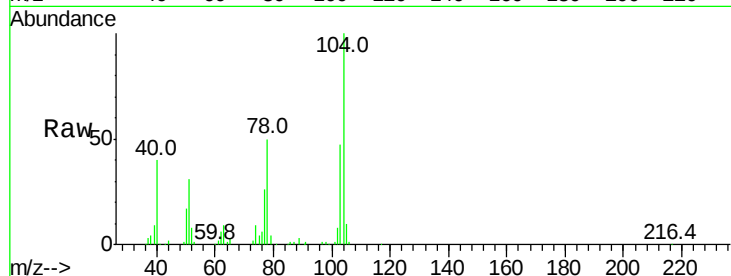
Tgt Ion:104 Resp: 142017

Ion Ratio Lower Upper

104 100

78 54.5 42.7 64.1

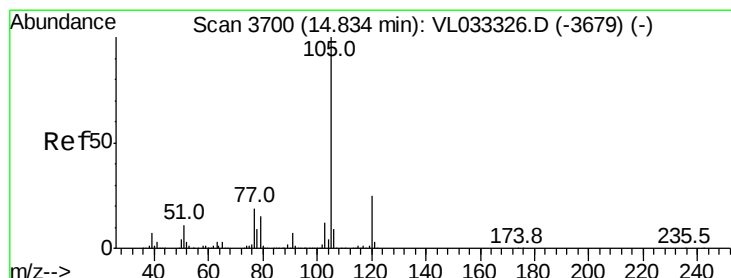
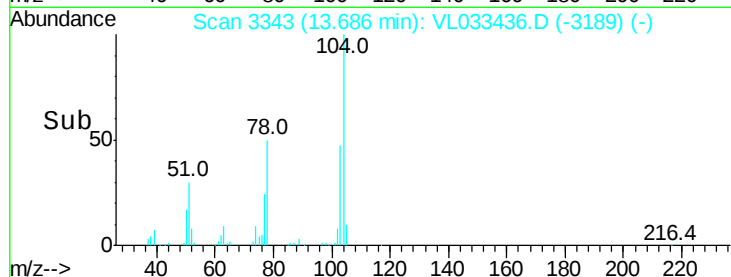
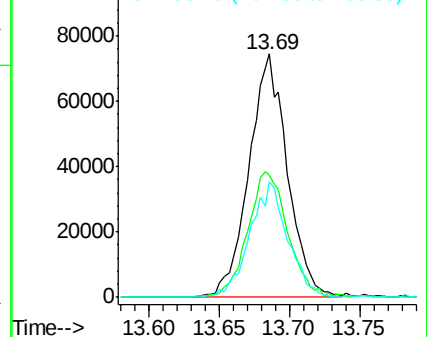
103 47.2 38.0 57.0



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: 1.006 ppbv

RT: 14.83 min Scan# 3698

Delta R.T. -0.01 min

Lab File: VL033436.D

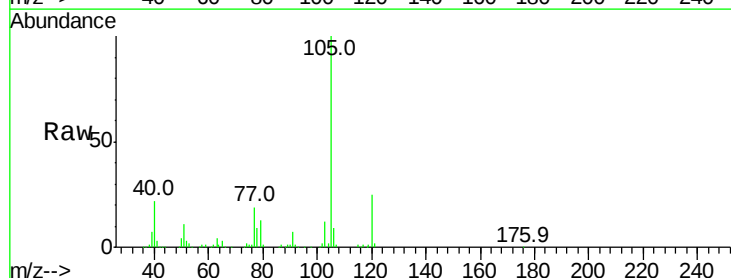
Acq: 25 Mar 2019 11:47

Tgt Ion:105 Resp: 307115

Ion Ratio Lower Upper

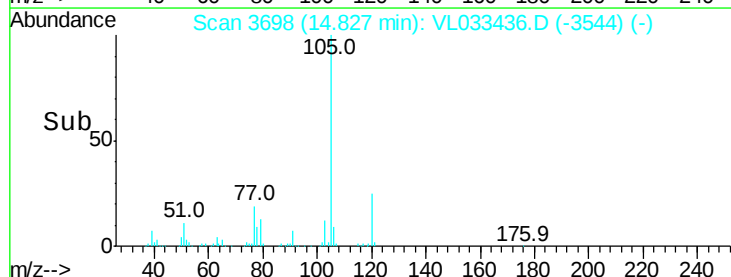
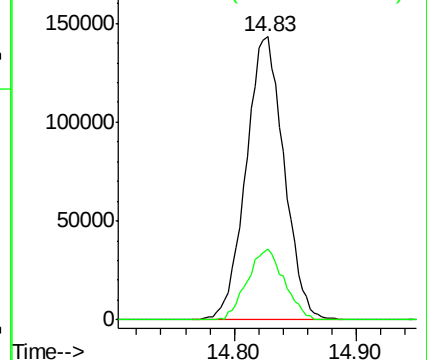
105 100

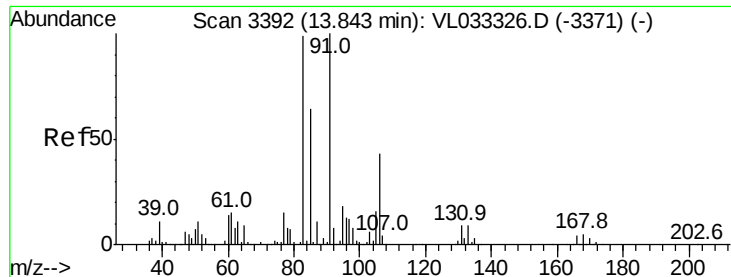
120 24.4 19.9 29.9



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

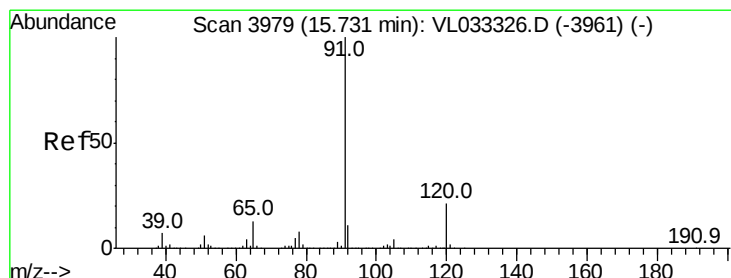
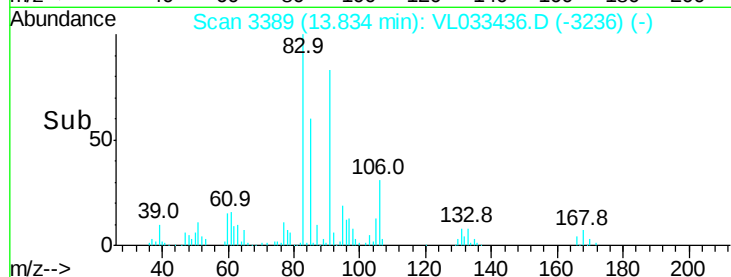
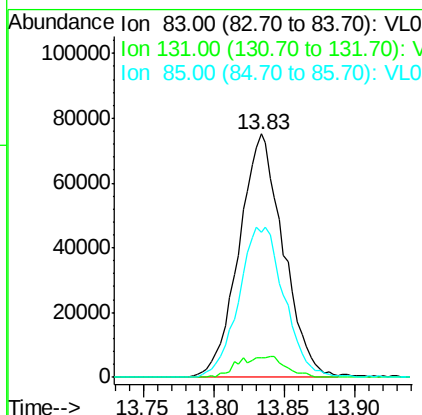
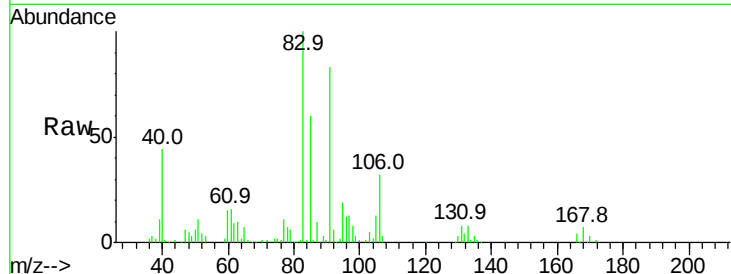




#63
 1,1,2,2-Tetrachloroethane
 Concen: 1.038 ppbv
 RT: 13.83 min Scan# 3389
 Delta R.T. -0.01 min
 Lab File: VL033436.D
 Acq: 25 Mar 2019 11:47

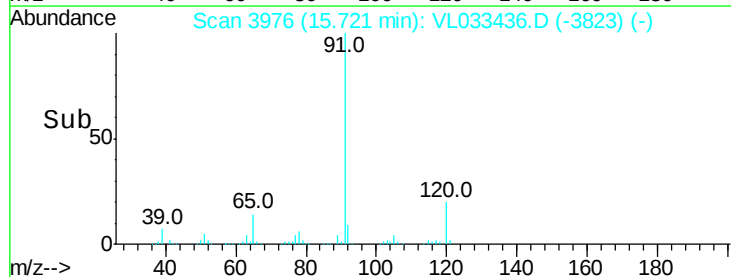
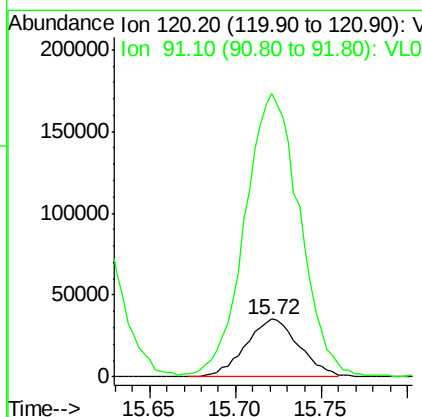
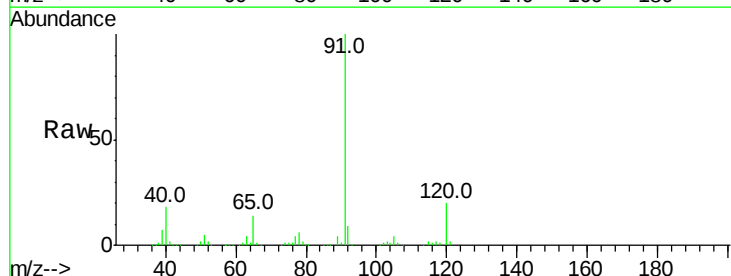
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

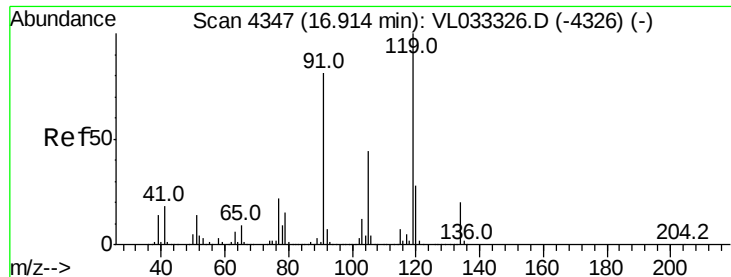
Tgt Ion	Resp	Lower	Upper
83	164617		
131	9.3	4.7	14.0
85	63.7	32.5	97.4



#64
 n-propylbenzene
 Concen: 0.989 ppbv
 RT: 15.72 min Scan# 3976
 Delta R.T. -0.01 min
 Lab File: VL033436.D
 Acq: 25 Mar 2019 11:47

Tgt Ion	Resp	Lower	Upper
120	76393		
91	507.7	389.8	584.6

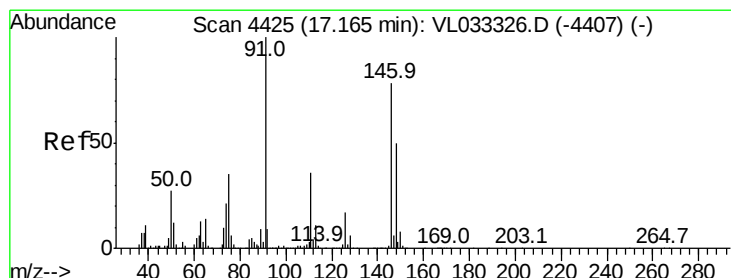
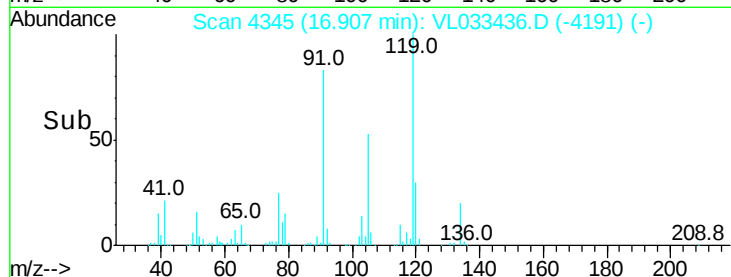
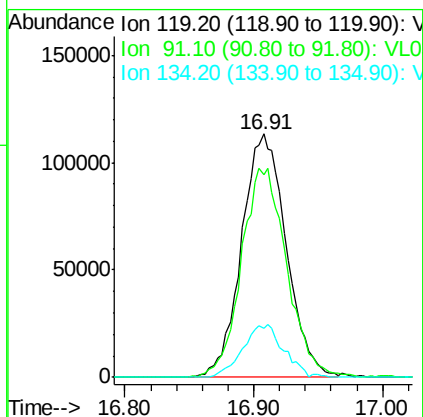
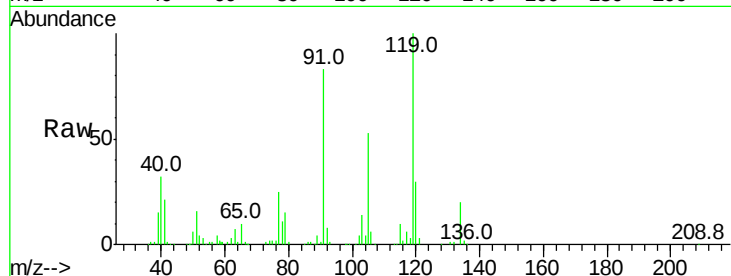




#65
tert-Butylbenzene
Concen: 0.993 ppbv
RT: 16.91 min Scan# 4345
Delta R.T. -0.01 min
Lab File: VL033436.D
Acq: 25 Mar 2019 11:47

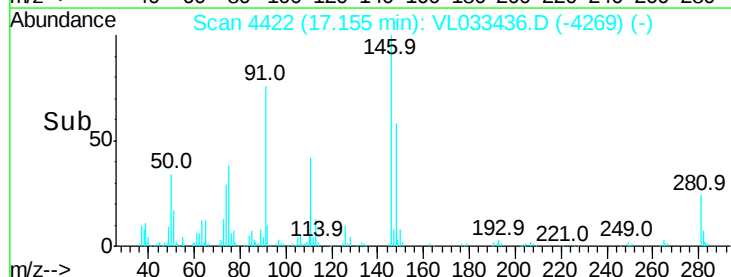
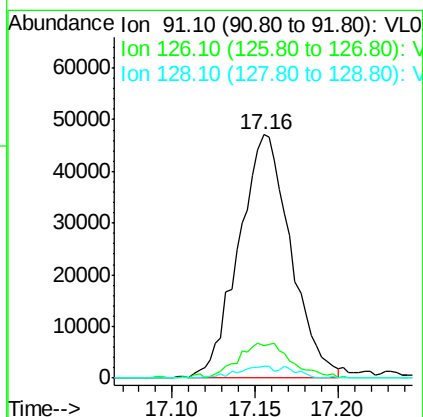
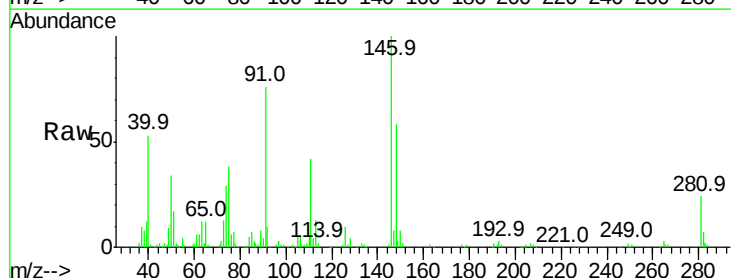
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

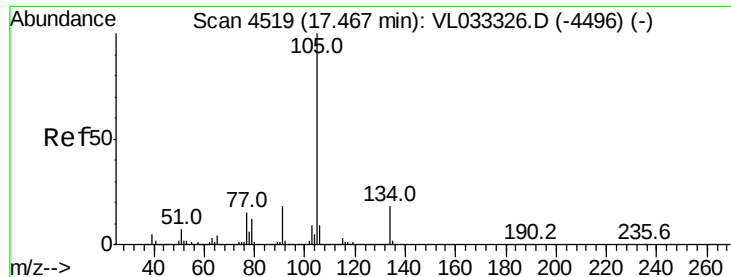
Tgt Ion: 119 Resp: 272798
Ion Ratio Lower Upper
119 100
91 87.6 67.2 100.8
134 20.1 15.4 23.2



#66
Benzyl Chloride
Concen: 0.904 ppbv
RT: 17.16 min Scan# 4422
Delta R.T. -0.01 min
Lab File: VL033436.D
Acq: 25 Mar 2019 11:47

Tgt Ion: 91 Resp: 102628
Ion Ratio Lower Upper
91 100
126 14.9 13.2 19.8
128 5.2 4.2 6.4

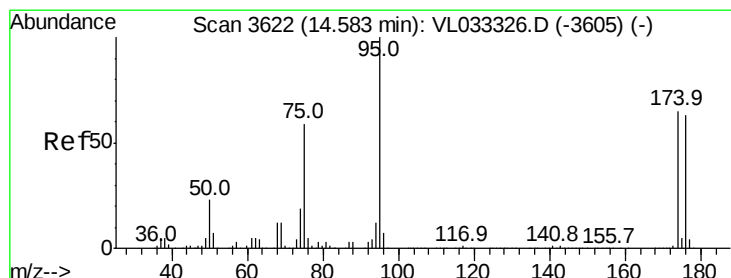
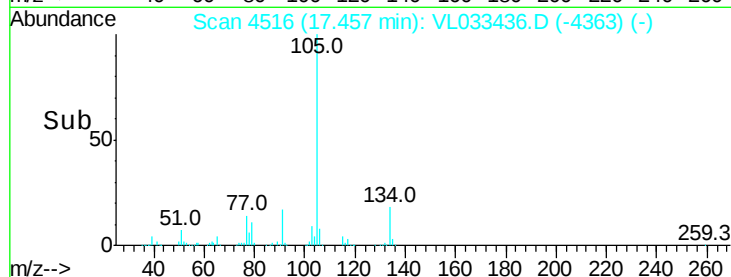
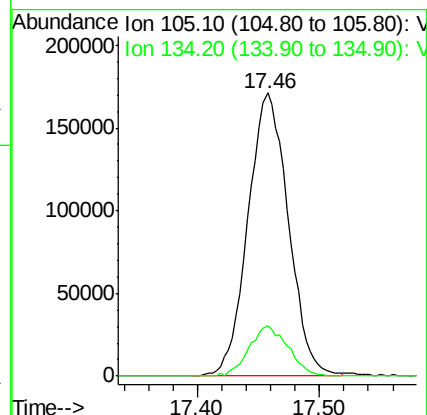
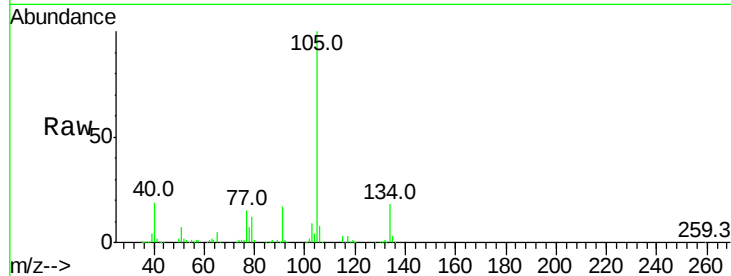




#67
 sec-Butylbenzene
 Concen: 1.004 ppbv
 RT: 17.46 min Scan# 4516
 Delta R.T. -0.01 min
 Lab File: VL033436.D
 Acq: 25 Mar 2019 11:47

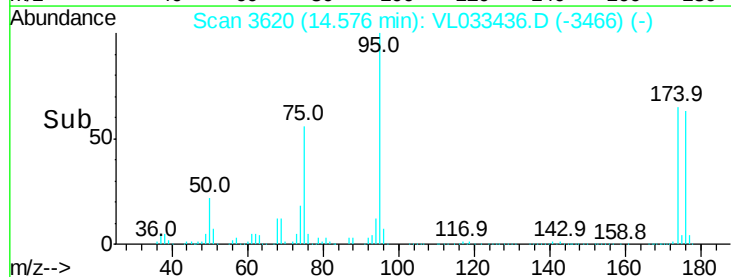
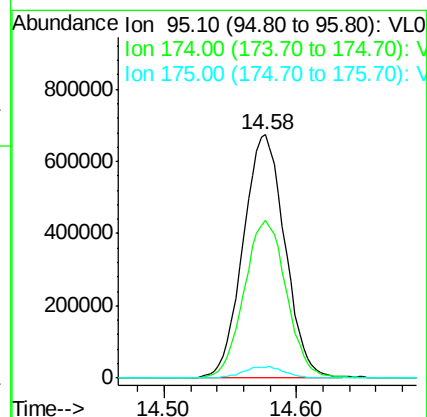
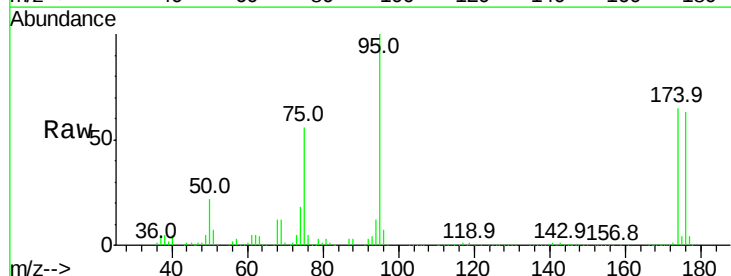
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

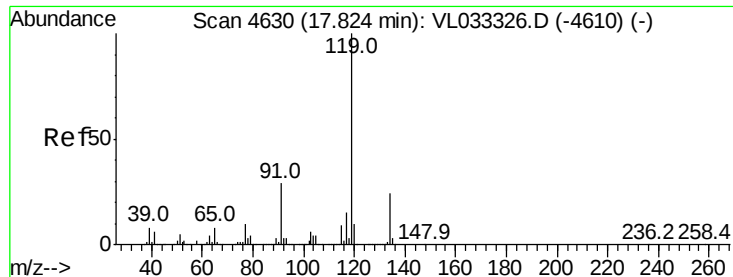
Tgt Ion: 105 Resp: 390958
 Ion Ratio Lower Upper
 105 100
 134 17.2 14.2 21.4



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.762 ppbv
 RT: 14.58 min Scan# 3620
 Delta R.T. -0.01 min
 Lab File: VL033436.D
 Acq: 25 Mar 2019 11:47

Tgt Ion: 95 Resp: 1475809
 Ion Ratio Lower Upper
 95 100
 174 65.9 51.5 77.3
 175 4.8 3.8 5.6





#69

p-Isopropyltoluene

Concen: 0.963 ppbv

RT: 17.81 min Scan# 4627

Delta R.T. -0.01 min

Lab File: VL033436.D

Acq: 25 Mar 2019 11:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

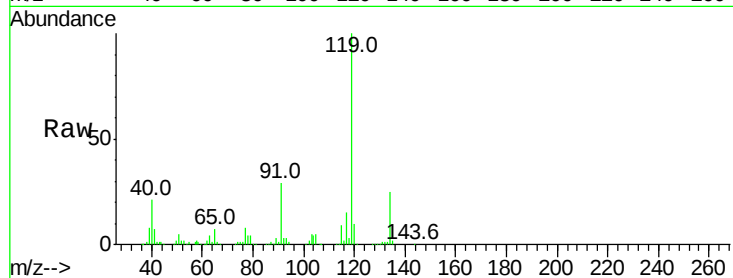
Tgt Ion: 119 Resp: 306266

Ion Ratio Lower Upper

119 100

134 24.8 19.8 29.6

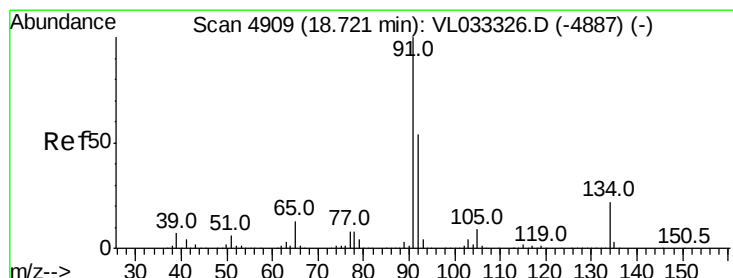
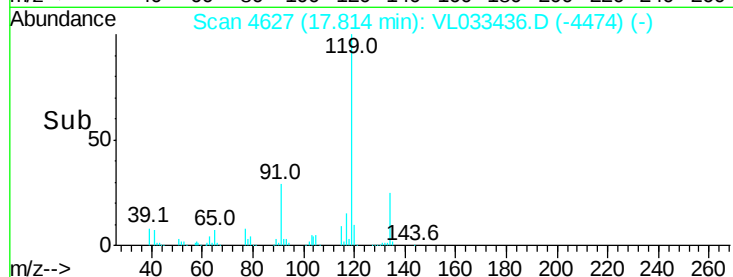
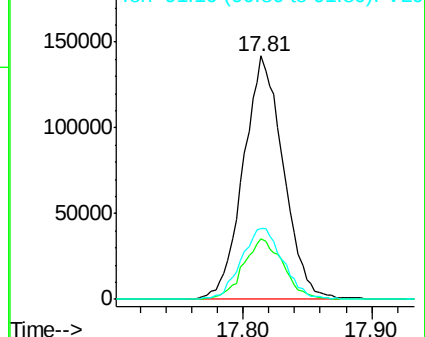
91 30.8 23.4 35.2



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: 0.974 ppbv

RT: 18.71 min Scan# 4907

Delta R.T. -0.01 min

Lab File: VL033436.D

Acq: 25 Mar 2019 11:47

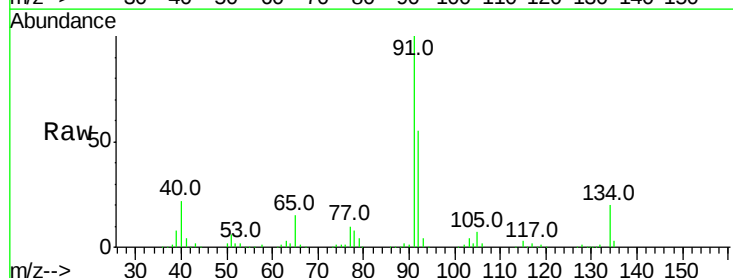
Tgt Ion: 91 Resp: 330378

Ion Ratio Lower Upper

91 100

92 51.3 42.8 64.2

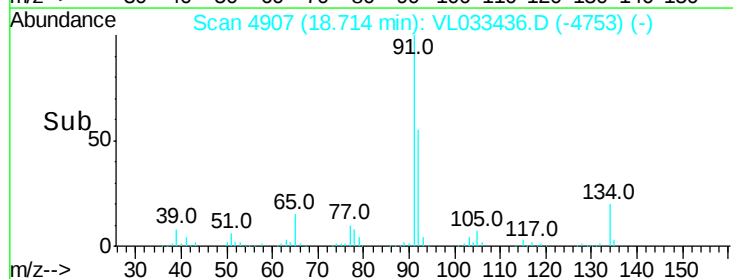
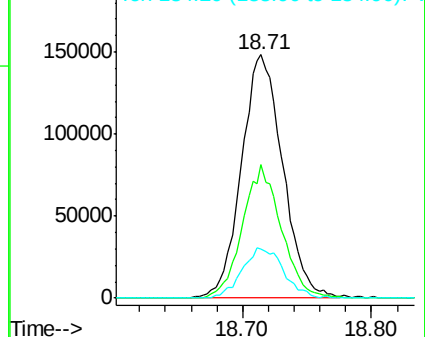
134 21.0 17.4 26.0

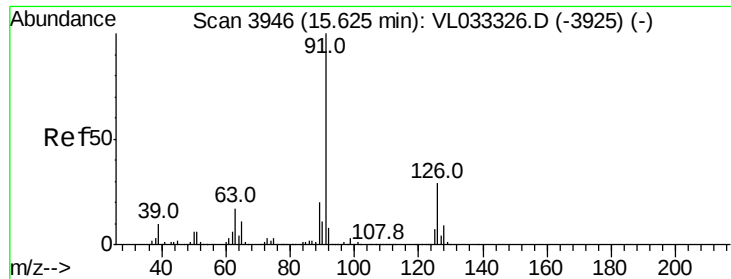


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V

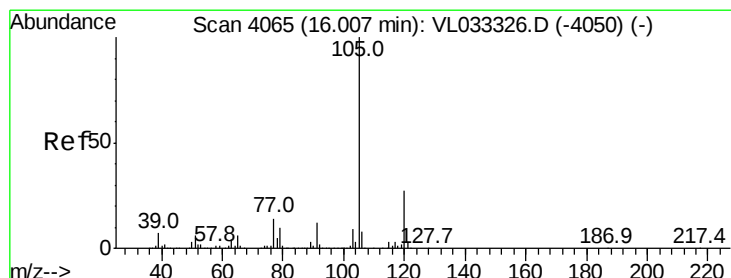
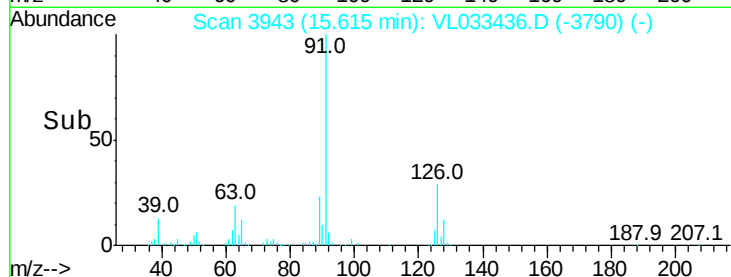
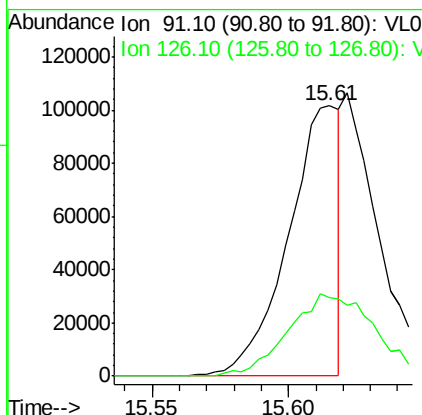
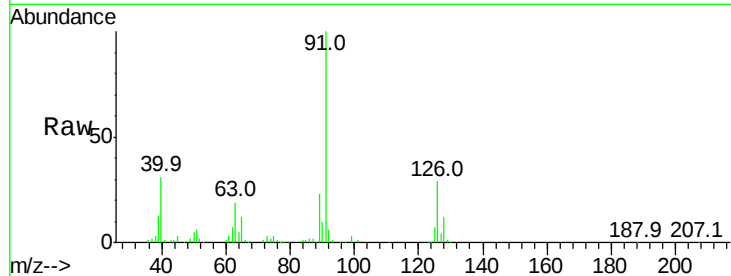




#71
 2-Chlorotoluene
 Concen: 0.559 ppbv
 RT: 15.61 min Scan# 3943
 Delta R.T. -0.01 min
 Lab File: VL033436.D
 Acq: 25 Mar 2019 11:47

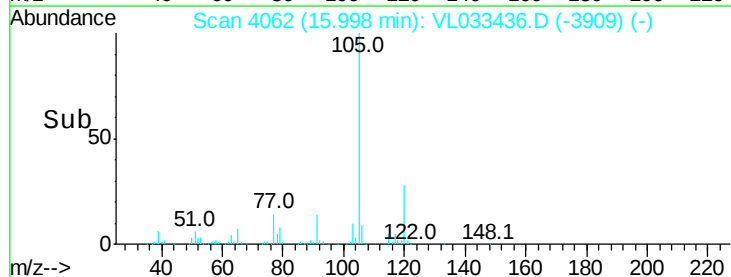
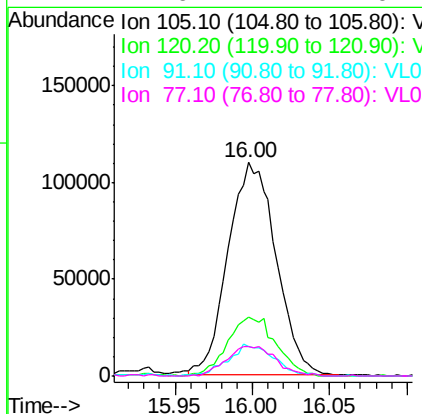
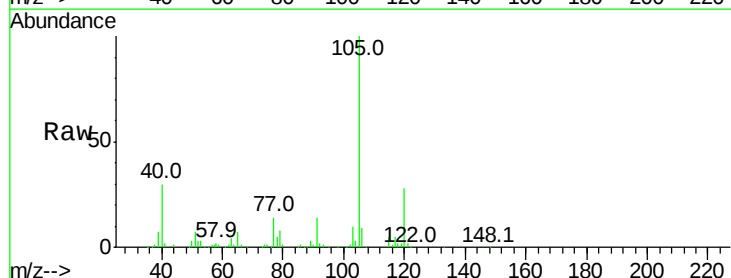
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

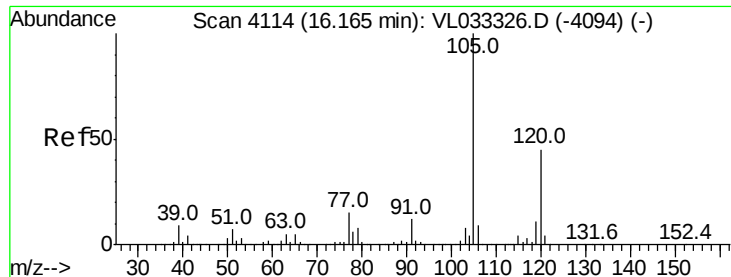
Tgt Ion: 91 Resp: 132893
 Ion Ratio Lower Upper
 91 100
 126 51.3 11.6 46.6#



#72
 4-Ethyltoluene
 Concen: 0.946 ppbv
 RT: 16.00 min Scan# 4062
 Delta R.T. -0.01 min
 Lab File: VL033436.D
 Acq: 25 Mar 2019 11:47

Tgt Ion: 105 Resp: 235674
 Ion Ratio Lower Upper
 105 100
 120 28.3 22.9 34.3
 91 14.6 10.2 15.2
 77 14.6 11.1 16.7

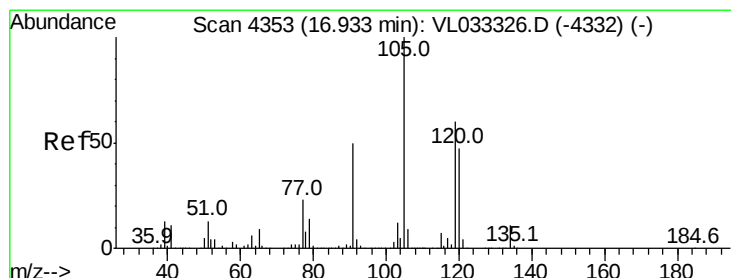
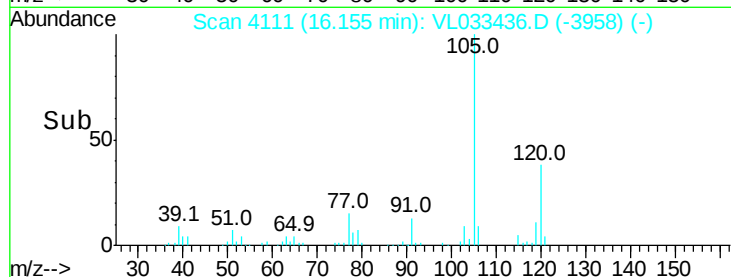
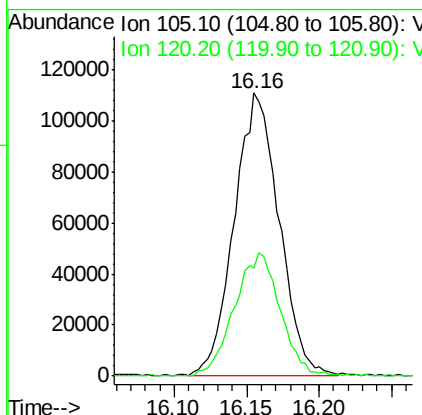
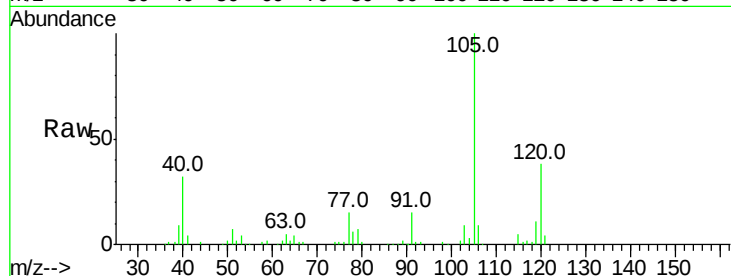




#73
 1,3,5-Trimethylbenzene
 Concen: 0.974 ppbv
 RT: 16.16 min Scan# 4111
 Delta R.T. -0.01 min
 Lab File: VL033436.D
 Acq: 25 Mar 2019 11:47

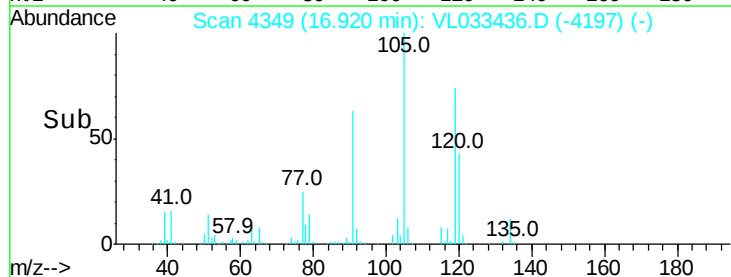
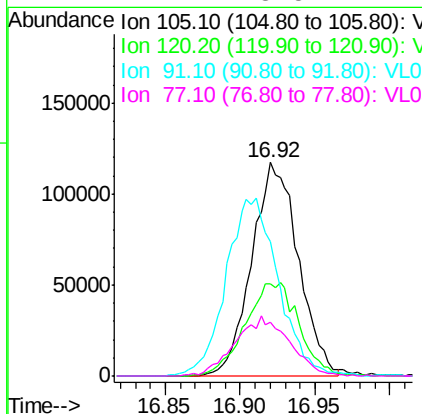
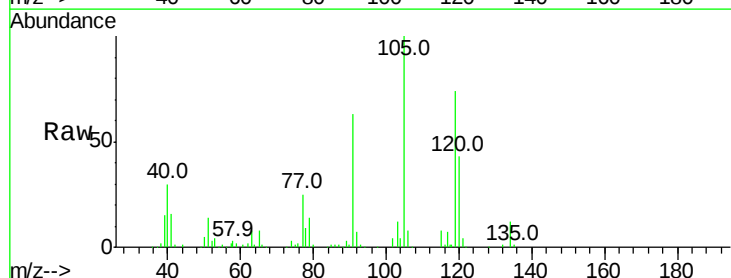
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

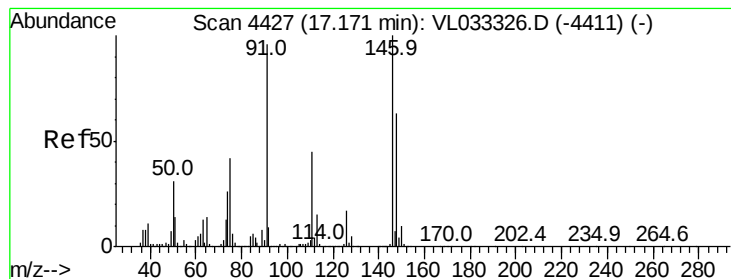
Tgt Ion:105 Resp: 236472
 Ion Ratio Lower Upper
 105 100
 120 38.2 36.2 54.4



#74
 1,2,4-Trimethylbenzene
 Concen: 0.987 ppbv
 RT: 16.92 min Scan# 4349
 Delta R.T. -0.01 min
 Lab File: VL033436.D
 Acq: 25 Mar 2019 11:47

Tgt Ion:105 Resp: 253724
 Ion Ratio Lower Upper
 105 100
 120 43.4 37.4 56.2
 91 61.2 41.0 61.4
 77 24.4 18.5 27.7





#75

1,3-Dichlorobenzene

Concen: 1.048 ppbv

RT: 17.16 min Scan# 4425

Delta R.T. -0.01 min

Lab File: VL033436.D

Acq: 25 Mar 2019 11:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

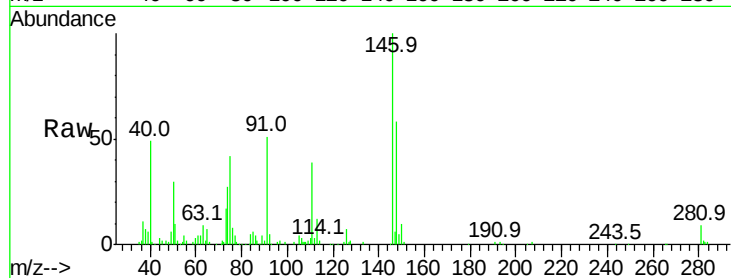
Tgt Ion:146 Resp: 158901

Ion Ratio Lower Upper

146 100

111 44.2 22.8 68.3

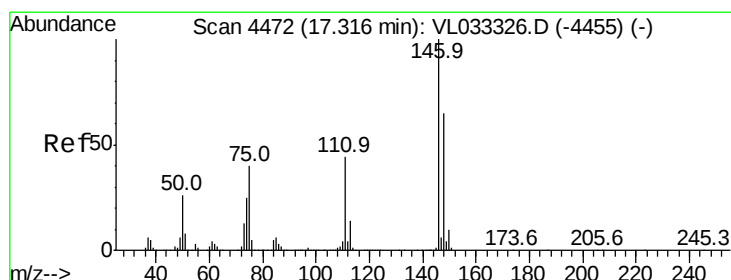
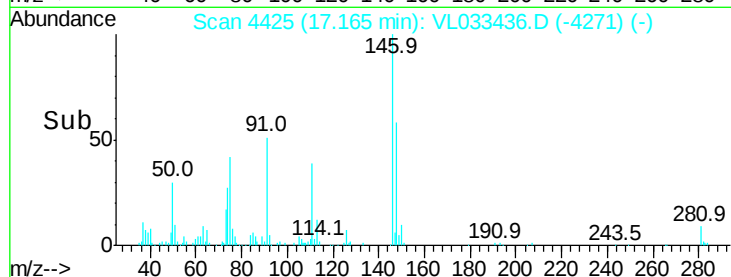
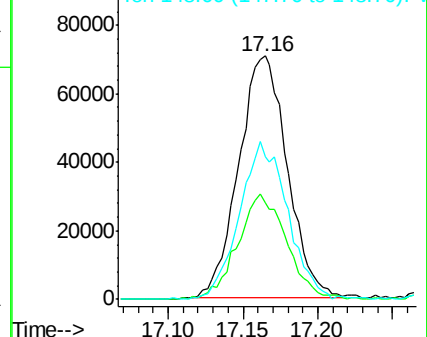
148 65.6 31.9 95.7



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: 0.534 ppbv

RT: 17.31 min Scan# 4470

Delta R.T. -0.01 min

Lab File: VL033436.D

Acq: 25 Mar 2019 11:47

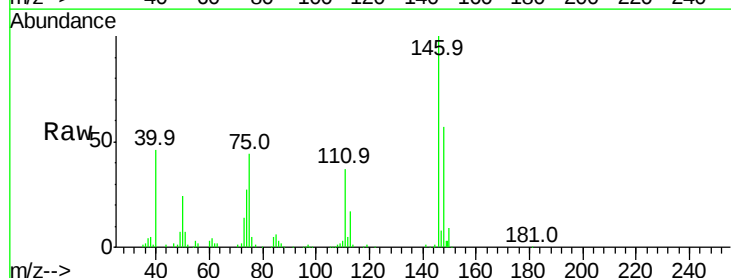
Tgt Ion:146 Resp: 78346

Ion Ratio Lower Upper

146 100

111 83.0 21.9 65.7#

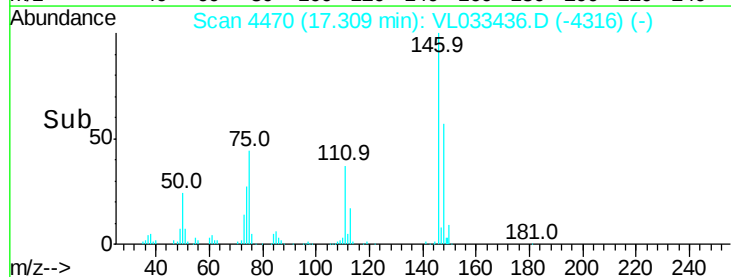
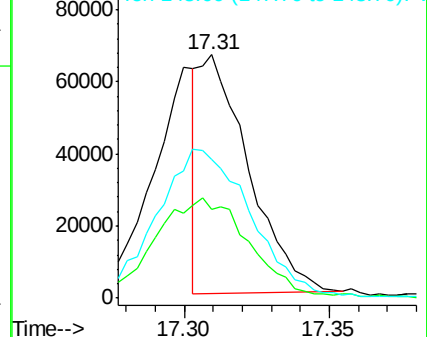
148 122.0 32.1 96.5#

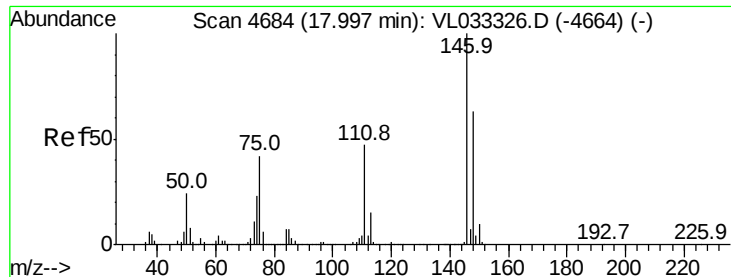


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 0.990 ppbv

RT: 17.99 min Scan# 4681

Delta R.T. -0.01 min

Lab File: VL033436.D

Acq: 25 Mar 2019 11:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

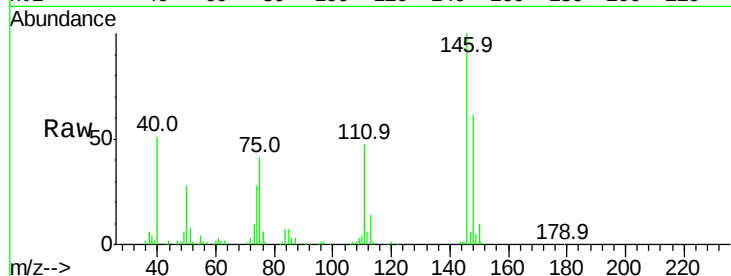
Tgt Ion:146 Resp: 142103

Ion Ratio Lower Upper

146 100

111 47.7 23.5 70.6

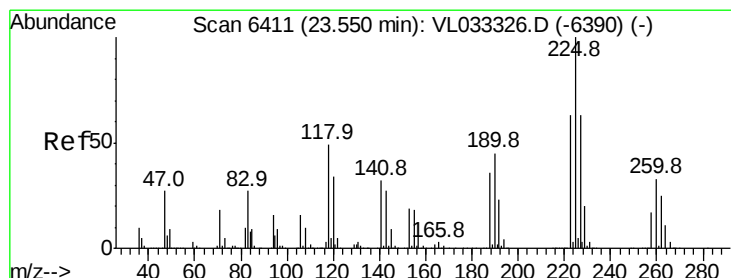
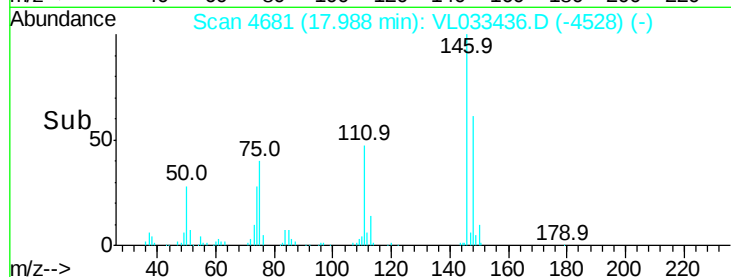
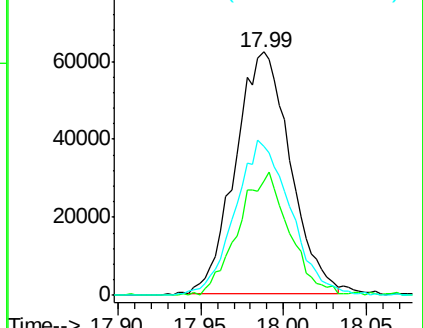
148 65.6 31.9 95.9



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: 1.113 ppbv

RT: 23.54 min Scan# 6408

Delta R.T. -0.01 min

Lab File: VL033436.D

Acq: 25 Mar 2019 11:47

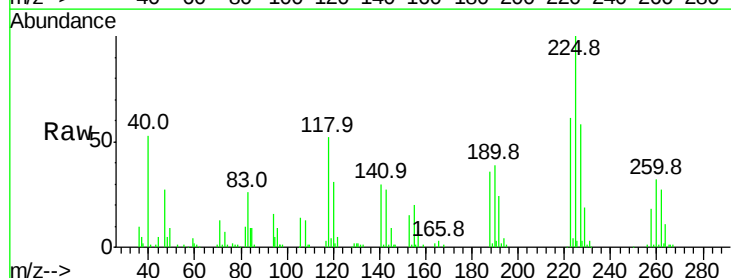
Tgt Ion:225 Resp: 95827

Ion Ratio Lower Upper

225 100

223 63.7 50.4 75.6

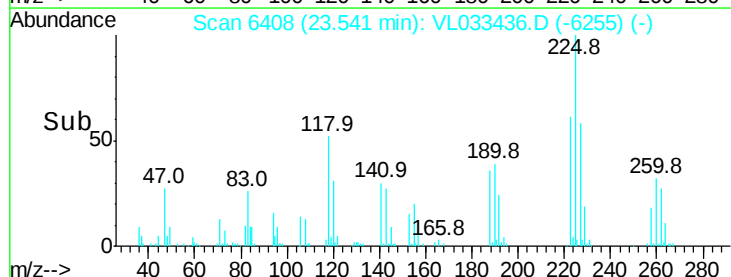
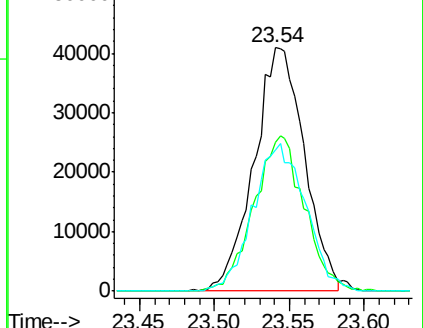
227 63.1 50.5 75.7

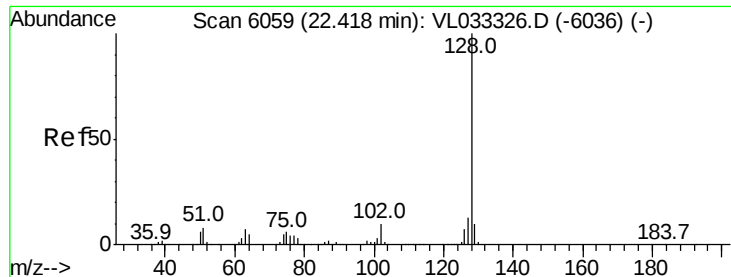


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 0.748 ppbv

RT: 22.42 min Scan# 6059

Delta R.T. 0.00 min

Lab File: VL033436.D

Acq: 25 Mar 2019 11:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

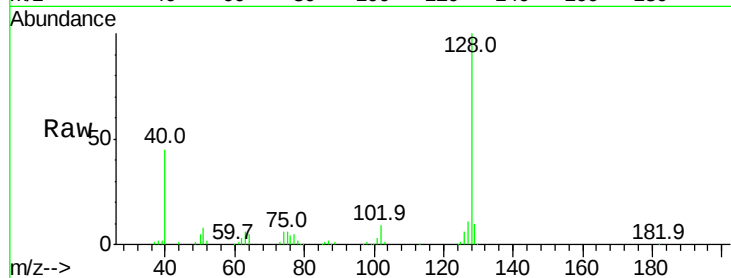
Tgt Ion:128 Resp: 185384

Ion Ratio Lower Upper

128 100

127 11.3 10.1 15.1

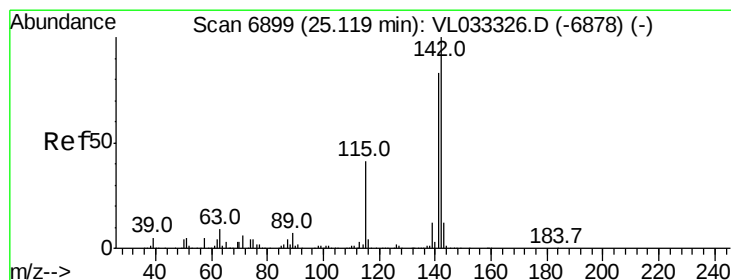
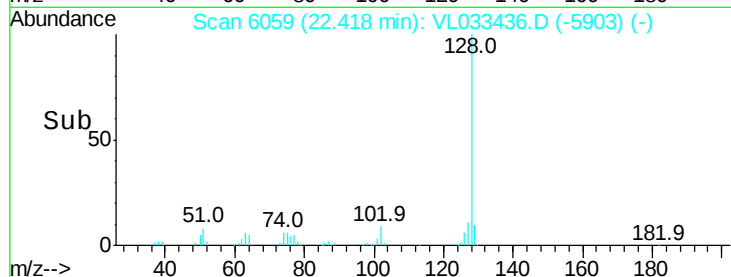
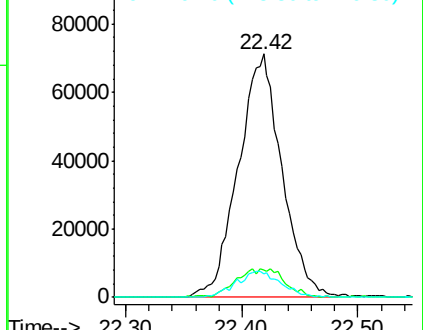
129 10.2 8.2 12.2



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: 0.304 ppbv

RT: 25.12 min Scan# 6898

Delta R.T. -0.00 min

Lab File: VL033436.D

Acq: 25 Mar 2019 11:47

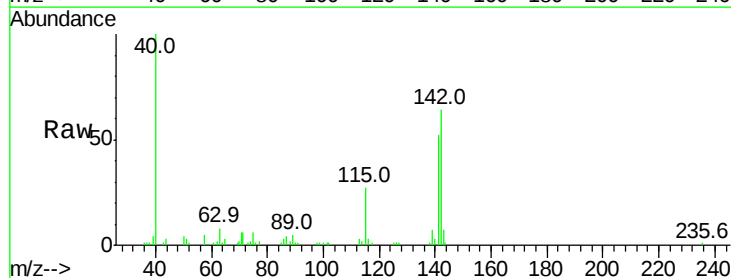
Tgt Ion:142 Resp: 35764

Ion Ratio Lower Upper

142 100

141 85.7 67.1 100.7

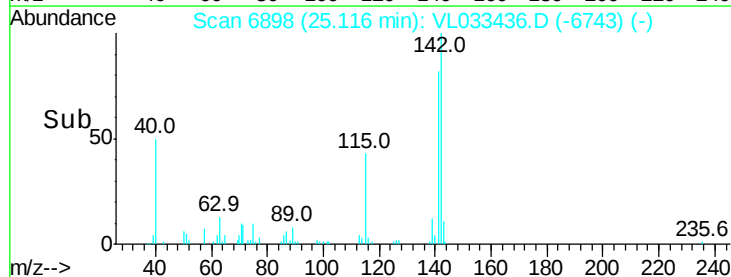
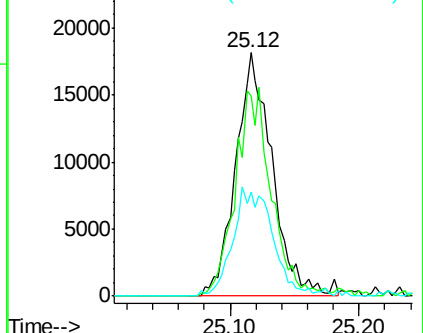
115 47.5 33.8 50.6

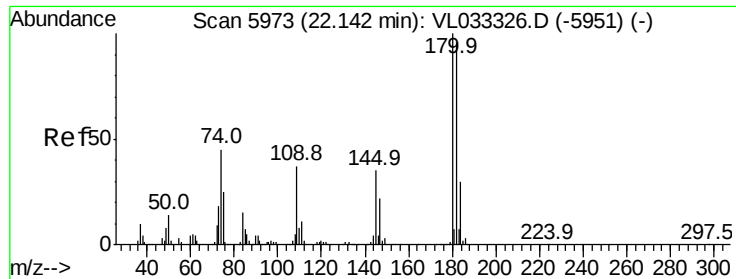


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 0.361 ppbv
 RT: 22.13 min Scan# 5969
 Delta R.T. -0.01 min
 Lab File: VL033436.D
 Acq: 25 Mar 2019 11:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion:180 Resp: 45637
 Ion Ratio Lower Upper
 180 100
 182 0.0 76.1 114.1#
 184 0.0 24.6 37.0#

