

Data File : VL033437.D
Acq On : 25 Mar 2019 12:25
Operator : SY/AP
Sample : VSTDIC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Quant Time: Mar 25 13:44:17 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	756960	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1861900	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.24	117	1775316	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1416133	10.76	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.60%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.08	85	69153	0.519	ppbv	100
3) Chlorodifluoromethane	3.01	51	46352	0.534	ppbv	99
4) Chloromethane	3.17	50	24649	0.524	ppbv	97
5) Vinyl Chloride	3.29	62	23942	0.493	ppbv	91
6) Bromomethane	3.51	94	14756	0.511	ppbv	89
7) Chloroethane	3.60	64	9027	0.532	ppbv	89
8) Dichlorotetrafluoroethane	3.22	85	63119	0.557	ppbv	97
9) Propene	3.04	41	19136	0.493	ppbv	97
10) Heptane	8.25	43	31422	0.327	ppbv #	27
11) Trichlorofluoromethane	4.00	101	71614	0.540	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.55	101	47536	0.541	ppbv	99
13) Ethanol	3.65	45	5178	0.280	ppbv #	38
14) Bromoethene	3.79	108	18190	0.496	ppbv	98
15) Acetone	3.91	43	49820	0.423	ppbv	99
16) 1,3-Butadiene	3.36	39	15266	0.399	ppbv #	79
17) tert-Butyl alcohol	4.35	59	1553	0.094	ppbv #	74
18) 1,1-Dichloroethene	4.35	96	20234	0.503	ppbv	85
19) Isopropyl Alcohol	4.04	45	35476	0.634	ppbv #	93
20) Methylene Chloride	4.41	84	22305	0.581	ppbv	95
21) Allyl Chloride	4.48	41	12551	0.220	ppbv #	1
22) trans-1,2-Dichloroethene	4.96	96	20189	0.518	ppbv	99
23) Vinyl Acetate	5.15	43	28089	0.206	ppbv #	93
24) 1,1-Dichloroethane	5.09	63	51040	0.519	ppbv	96
25) Ethyl Acetate	5.77	43	83741	0.490	ppbv	98
26) Hexane	5.78	57	36849	0.482	ppbv	95
27) Carbon Disulfide	4.62	76	38765	0.440	ppbv #	93
28) Methyl tert-Butyl Ether	5.12	73	50616	0.446	ppbv	96
29) Chloroform	5.84	83	65114	0.520	ppbv	96
30) Cyclohexane	7.25	84	27442	0.448	ppbv	90
31) cis-1,2-Dichloroethene	5.64	61	34960	0.457	ppbv	92
32) 1,1,1-Trichloroethane	6.62	97	65017	0.529	ppbv	98
34) 2-Butanone	5.34	43	49745	0.407	ppbv	99
35) Carbon Tetrachloride	7.13	117	66634	0.508	ppbv	96
36) Benzene	7.00	78	72841	0.437	ppbv	97
37) 1,2-Dichloroethane	6.41	62	51800	0.492	ppbv	99
38) Trichloroethene	7.95	130	11546	0.183	ppbv #	85
39) 1,2-Dichloropropane	7.72	63	11989	0.192	ppbv	90
40) 1,4-Dioxane	7.98	88	1256	0.057	ppbv #	1
42) Bromodichloromethane	7.91	83	65733	0.465	ppbv	93
43) Methyl Methacrylate	8.14	69	26289	0.405	ppbv	95
44) 2,2,4-Trimethylpentane	7.99	57	126517	0.458	ppbv	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) t-1,3-Dichloropropene	9.41	75	26481	0.331	ppbv	92
46) cis-1,3-Dichloropropene	8.83	75	15998	0.170	ppbv	95
47) 1,1,2-Trichloroethane	9.61	97	32599	0.473	ppbv	93
48) Dibromochloromethane	10.45	129	47147	0.408	ppbv	97
49) Bromoform	13.20	173	40154	0.366	ppbv	98
50) 4-Methyl-2-Pentanone	8.88	43	68305	0.395	ppbv	100
51) 2-Hexanone	10.27	43	6435	0.048	ppbv #	29
52) Tetrachloroethene	11.37	164	26979	0.389	ppbv #	87
53) Toluene	9.95	91	70871	0.374	ppbv	98
54) 1,2-Dibromoethane	10.76	107	29673	0.255	ppbv	85
56) 1,1,1,2-Tetrachloroethane	12.28	131	20108	0.253	ppbv #	9
57) Chlorobenzene	12.29	112	33027	0.235	ppbv	92
58) Ethyl Benzene	12.86	91	105578	0.420	ppbv	98
59) m/p-Xylene	13.12	91	62473	0.289	ppbv #	100
60) o-Xylene	13.85	91	95277	0.452	ppbv	98
61) Styrene	13.69	104	56564	0.384	ppbv	98
62) Isopropylbenzene	14.83	105	138468	0.473	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.83	83	77734	0.511	ppbv	99
64) n-propylbenzene	15.72	120	24385	0.329	ppbv #	21
65) tert-Butylbenzene	16.91	119	117032	0.444	ppbv	95
66) Benzyl Chloride	17.16	91	39366	0.361	ppbv #	96
67) sec-Butylbenzene	17.46	105	164098	0.439	ppbv	98
69) p-Isopropyltoluene	17.81	119	74449	0.244	ppbv #	48
70) n-Butylbenzene	18.71	91	65962	0.203	ppbv #	33
71) 2-Chlorotoluene	15.61	91	49973	0.219	ppbv #	46
72) 4-Ethyltoluene	16.00	105	100837	0.422	ppbv	98
73) 1,3,5-Trimethylbenzene	16.16	105	97266	0.418	ppbv	96
74) 1,2,4-Trimethylbenzene	16.93	105	110273	0.447	ppbv #	83
75) 1,3-Dichlorobenzene	17.16	146	38967	0.268	ppbv #	25
76) 1,4-Dichlorobenzene	17.31	146	67690	0.481	ppbv	97
77) 1,2-Dichlorobenzene	17.99	146	45492	0.330	ppbv #	65
78) Hexachloro-1,3-Butadiene	23.55	225	46599	0.564	ppbv	97
79) Naphthalene	22.42	128	67620	0.284	ppbv #	92
80) Naphthalene,2-methyl-	25.12	142	14397	0.128	ppbv	91
81) 1,2,4-Trichlorobenzene	22.14	180	46660	0.385	ppbv	99

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

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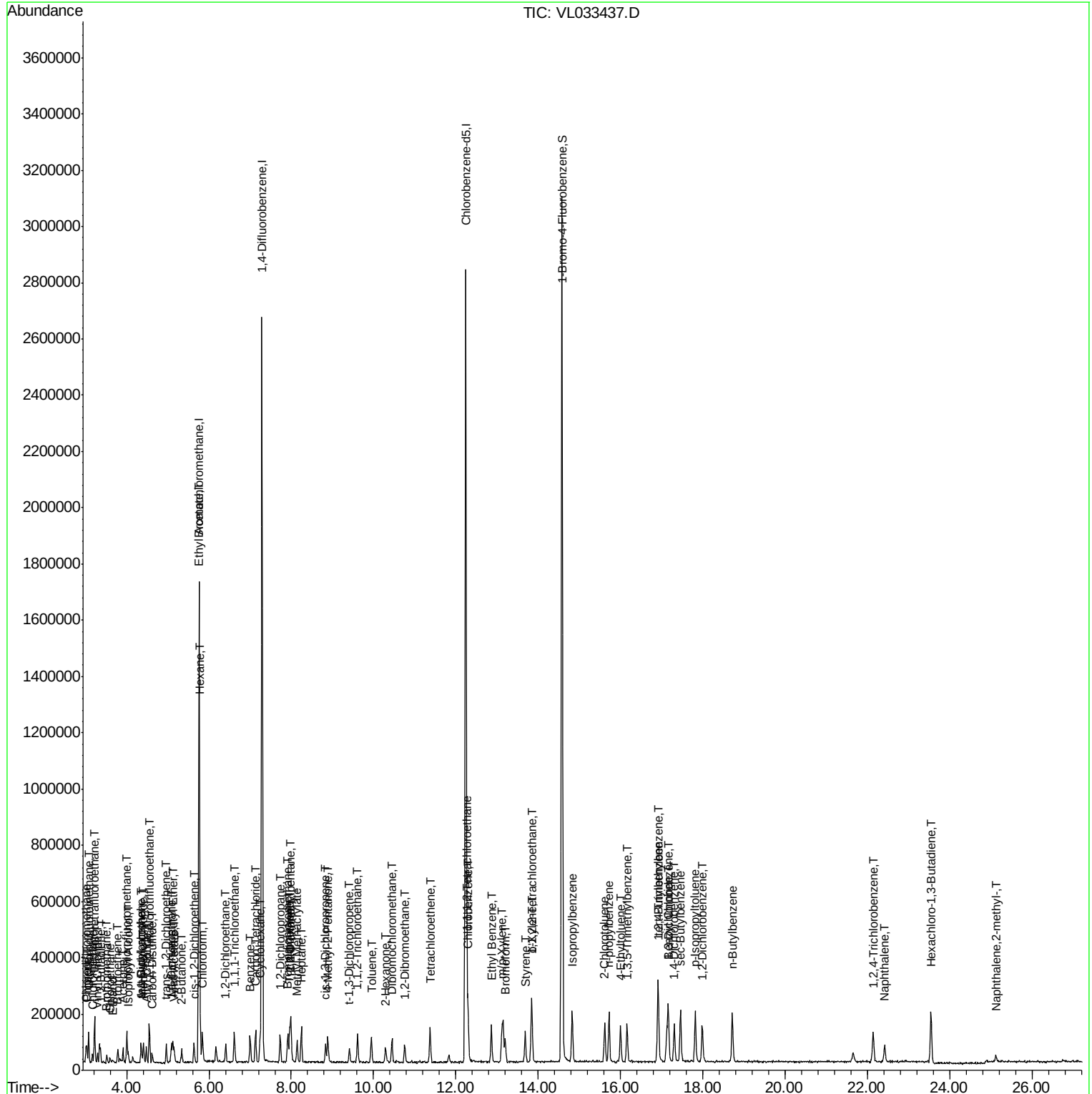
Quant Time: Mar 25 13:44:17 2019

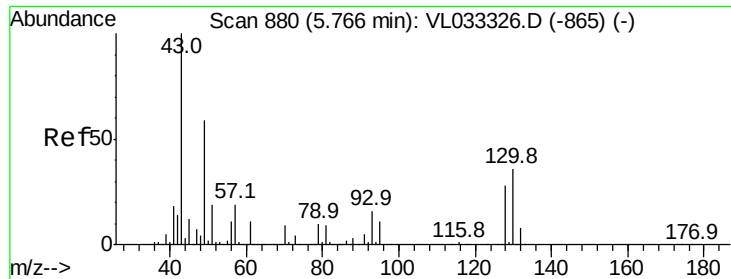
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M

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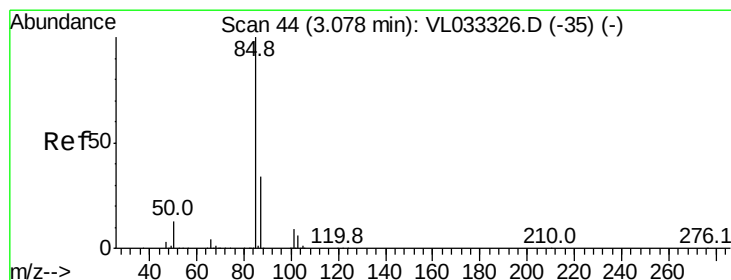
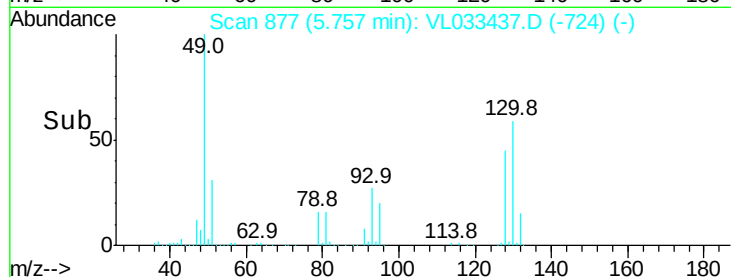
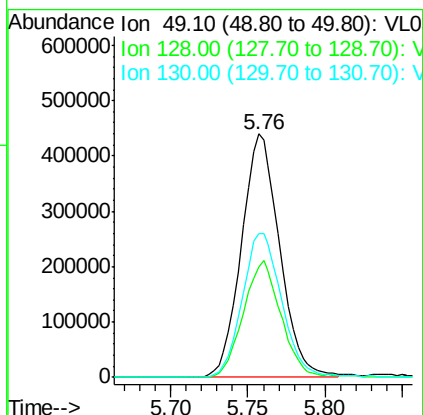
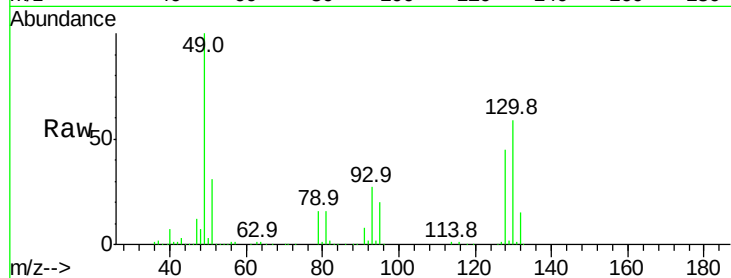




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.76 min Scan# 877
 Delta R.T. -0.01 min
 Lab File: VL033437.D
 Acq: 25 Mar 2019 12:25

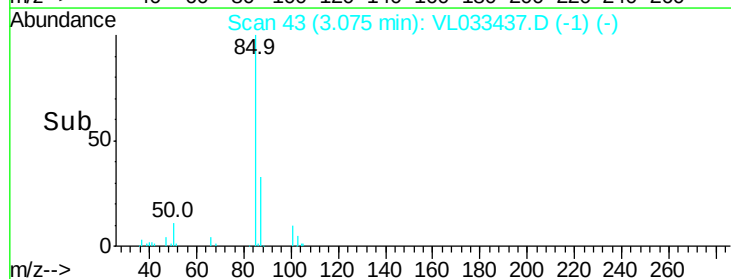
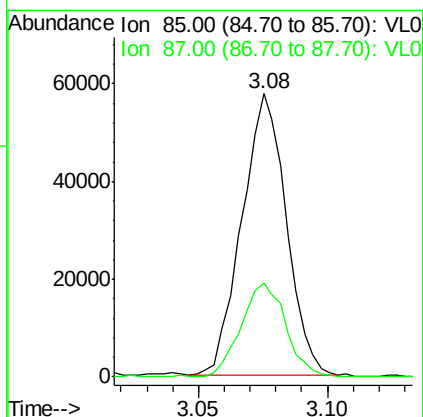
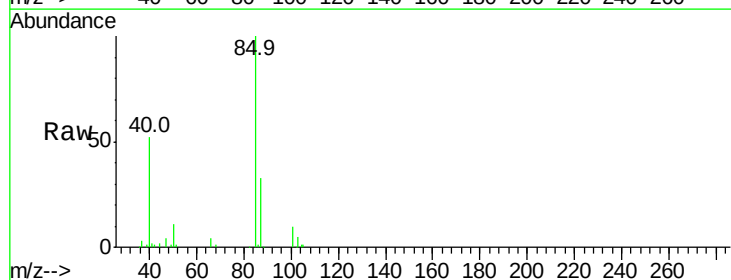
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

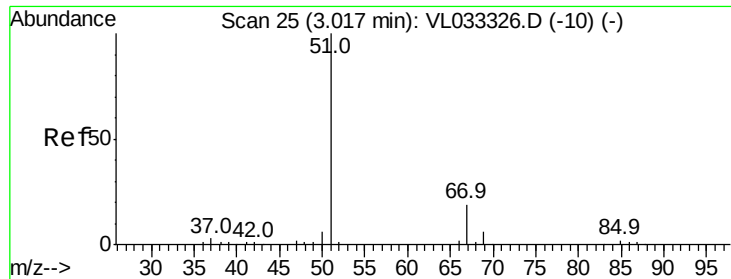
Tgt Ion: 49 Resp: 756960
 Ion Ratio Lower Upper
 49 100
 128 47.9 23.5 70.6
 130 61.4 30.1 90.3



#2
 Dichlorodifluoromethane
 Concen: 0.519 ppbv
 RT: 3.08 min Scan# 43
 Delta R.T. -0.00 min
 Lab File: VL033437.D
 Acq: 25 Mar 2019 12:25

Tgt Ion: 85 Resp: 69153
 Ion Ratio Lower Upper
 85 100
 87 33.4 26.9 40.3





#3

Chlorodifluoromethane

Concen: 0.534 ppbv

RT: 3.01 min Scan# 24

Delta R.T. -0.00 min

Lab File: VL033437.D

Acq: 25 Mar 2019 12:25

Instrument :

MSVOA_L

ClientSampleId :

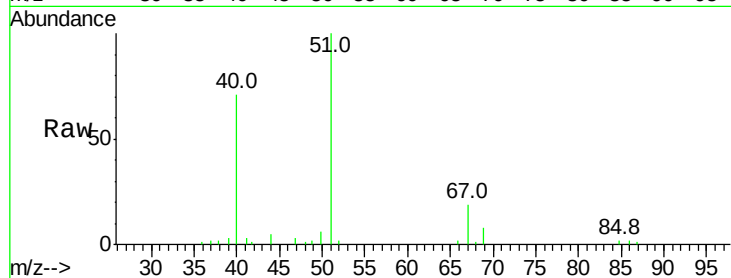
VSTDIC0.5

Tgt Ion: 51 Resp: 46352

Ion Ratio Lower Upper

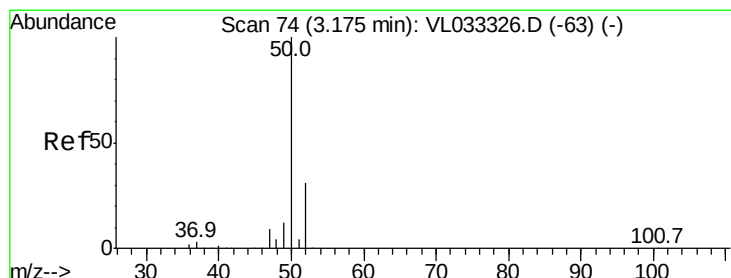
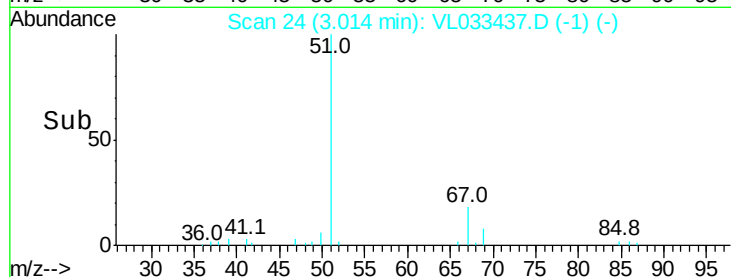
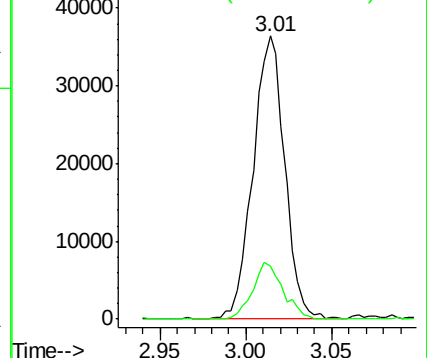
51 100

67 19.2 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: 0.524 ppbv

RT: 3.17 min Scan# 73

Delta R.T. -0.00 min

Lab File: VL033437.D

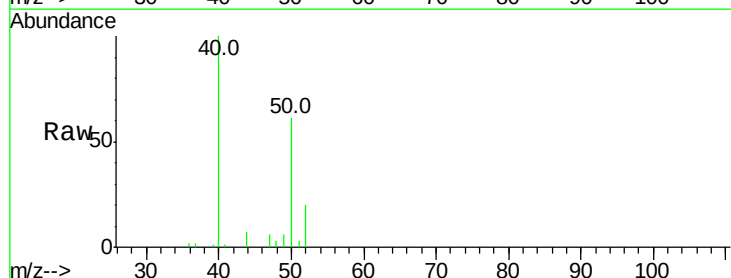
Acq: 25 Mar 2019 12:25

Tgt Ion: 50 Resp: 24649

Ion Ratio Lower Upper

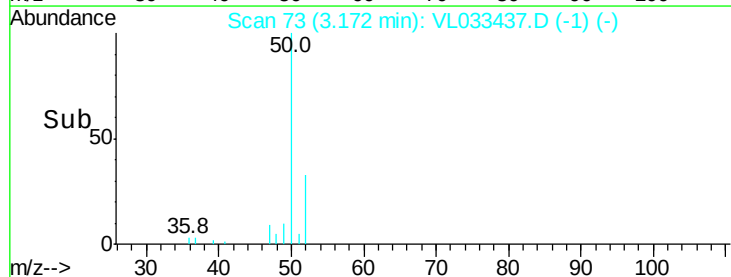
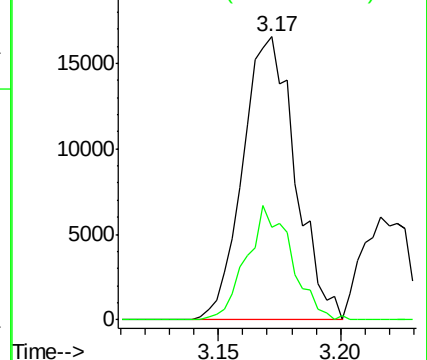
50 100

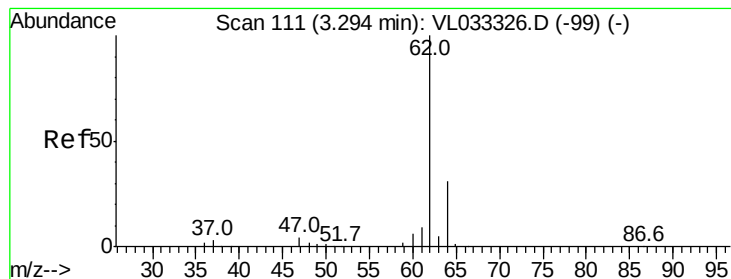
52 32.7 25.0 37.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.493 ppbv

RT: 3.29 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL033437.D

Acq: 25 Mar 2019 12:25

Instrument :

MSVOA_L

ClientSampleId :

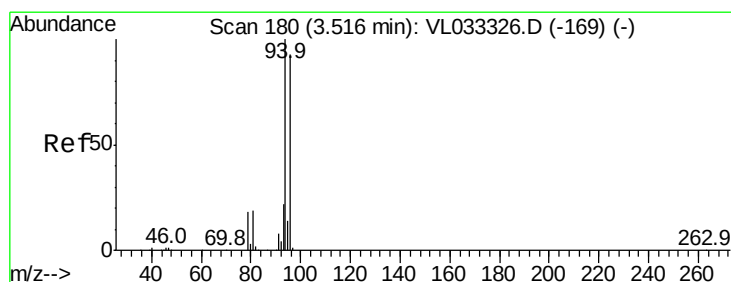
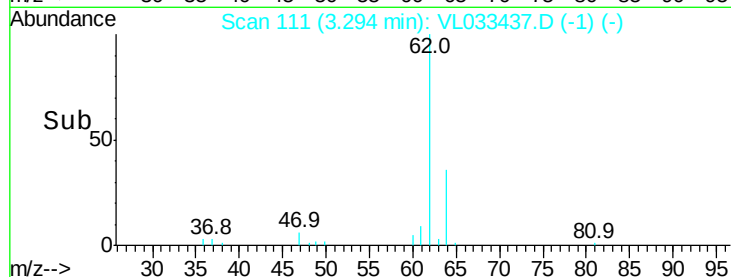
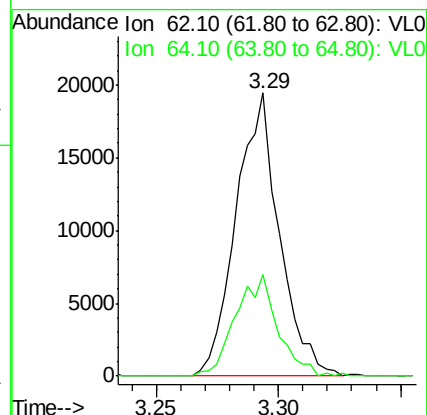
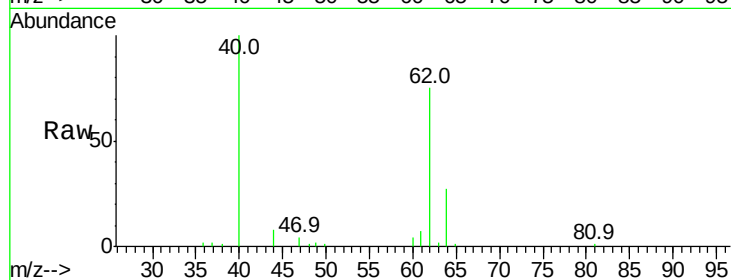
VSTDIC0.5

Tgt Ion: 62 Resp: 23942

Ion Ratio Lower Upper

62 100

64 36.0 25.0 37.6



#6

Bromomethane

Concen: 0.511 ppbv

RT: 3.51 min Scan# 179

Delta R.T. -0.00 min

Lab File: VL033437.D

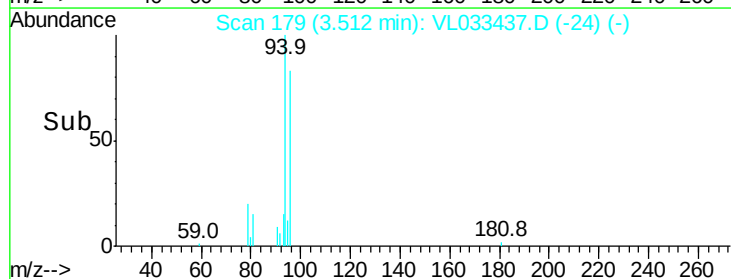
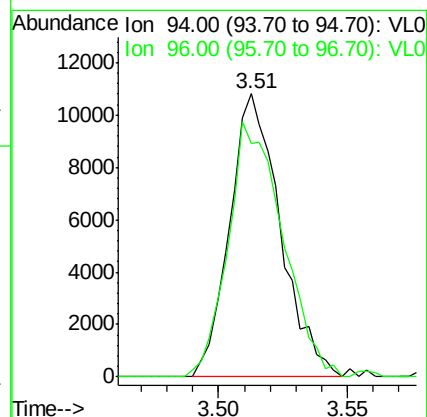
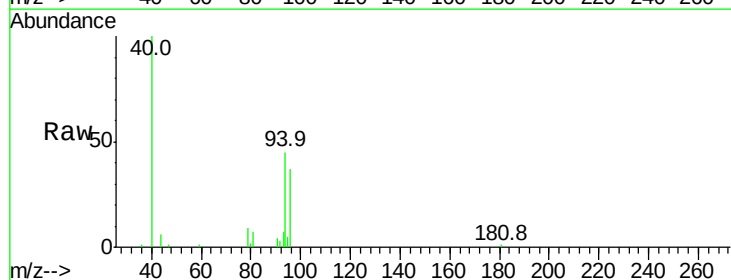
Acq: 25 Mar 2019 12:25

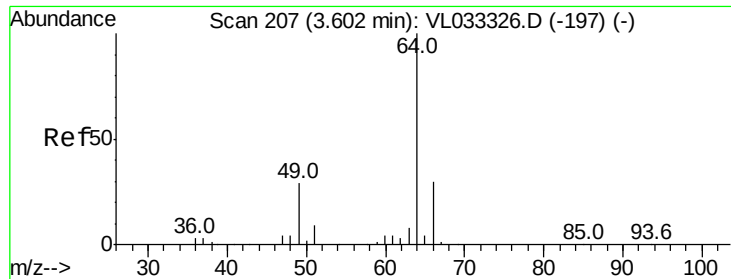
Tgt Ion: 94 Resp: 14756

Ion Ratio Lower Upper

94 100

96 82.5 74.6 111.8





#7

Chloroethane

Concen: 0.532 ppbv

RT: 3.60 min Scan# 206

Delta R.T. -0.00 min

Lab File: VL033437.D

Acq: 25 Mar 2019 12:25

Instrument :

MSVOA_L

ClientSampleId :

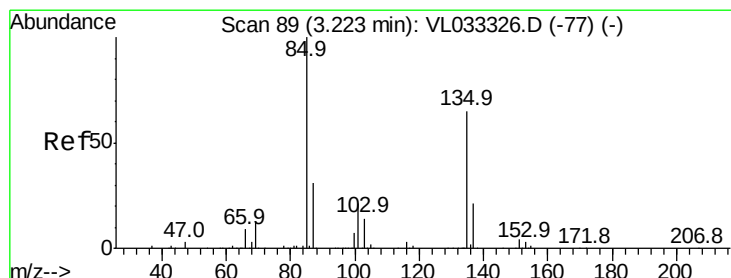
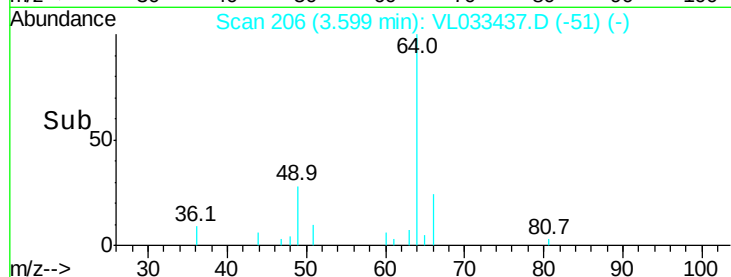
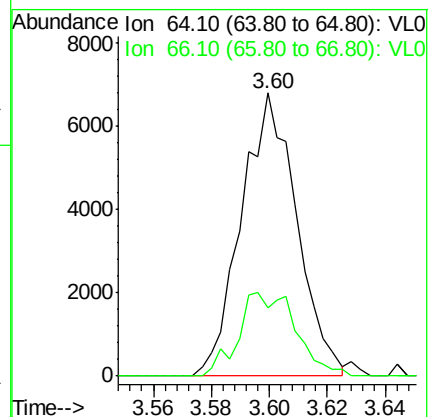
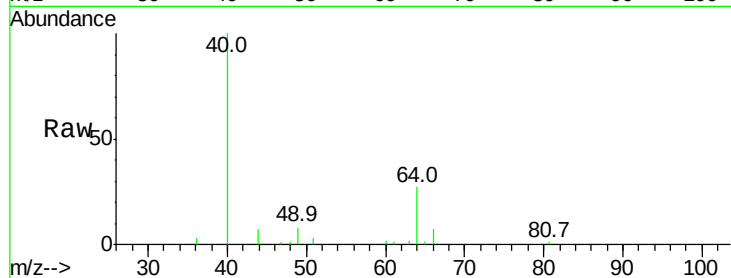
VSTDIC0.5

Tgt Ion: 64 Resp: 9027

Ion Ratio Lower Upper

64 100

66 24.2 24.0 36.0



#8

Dichlorotetrafluoroethane

Concen: 0.557 ppbv

RT: 3.22 min Scan# 88

Delta R.T. -0.00 min

Lab File: VL033437.D

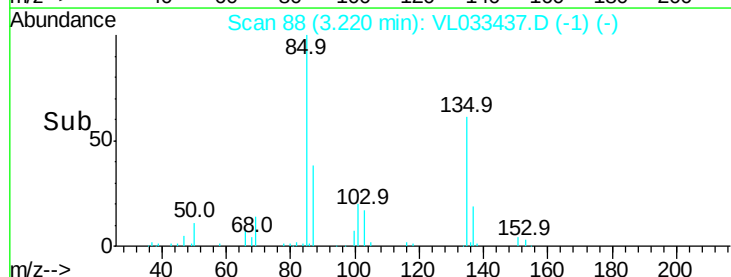
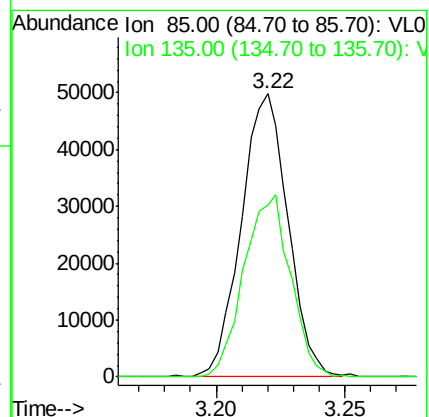
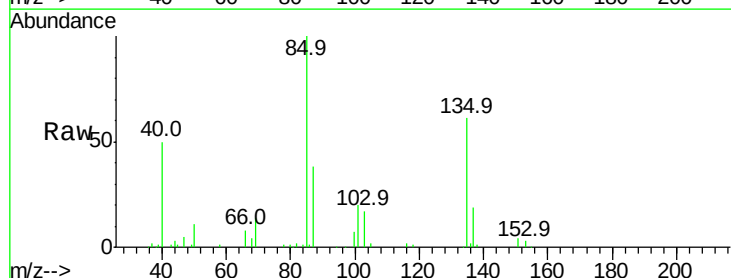
Acq: 25 Mar 2019 12:25

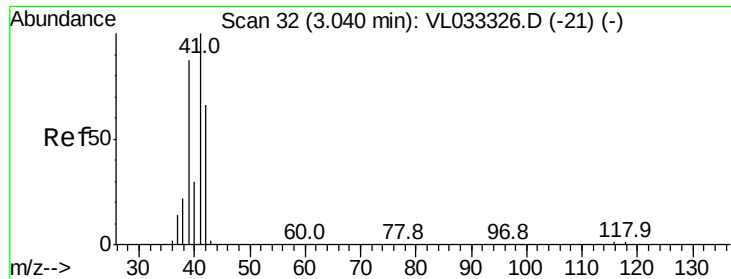
Tgt Ion: 85 Resp: 63119

Ion Ratio Lower Upper

85 100

135 64.1 53.4 80.2





#9

Propene

Concen: 0.493 ppbv

RT: 3.04 min Scan# 31

Delta R.T. -0.00 min

Lab File: VL033437.D

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Instrument :

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ClientSampleId :

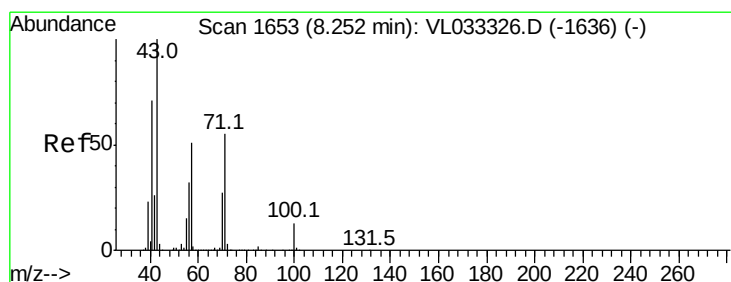
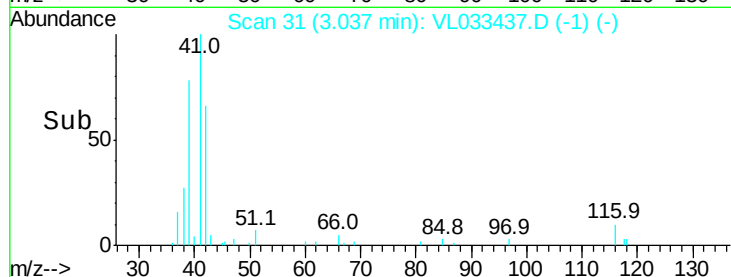
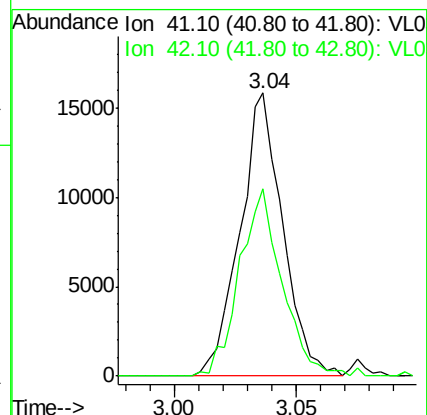
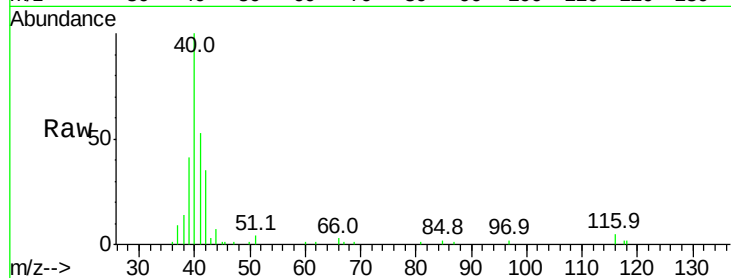
VSTDIC0.5

Tgt Ion: 41 Resp: 19136

Ion Ratio Lower Upper

41 100

42 66.7 55.2 82.8



#10

Heptane

Concen: 0.327 ppbv

RT: 8.25 min Scan# 1651

Delta R.T. -0.01 min

Lab File: VL033437.D

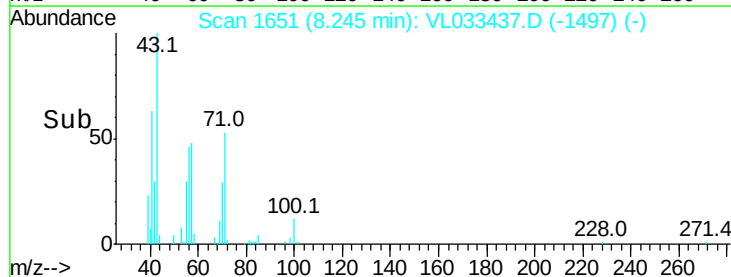
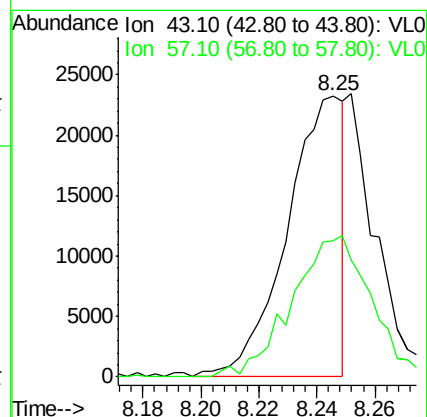
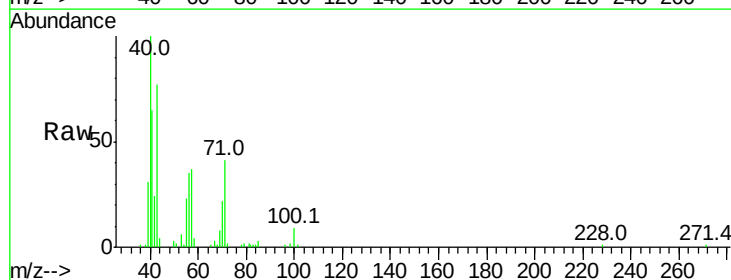
Acq: 25 Mar 2019 12:25

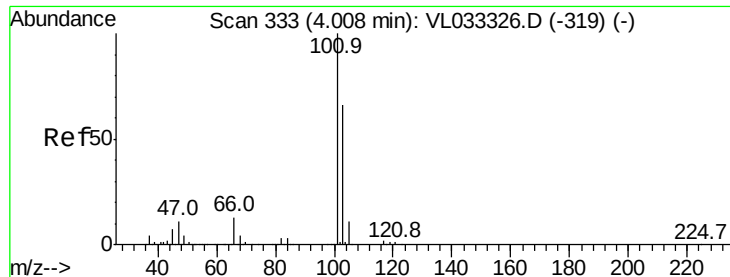
Tgt Ion: 43 Resp: 31422

Ion Ratio Lower Upper

43 100

57 0.0 40.4 60.6#

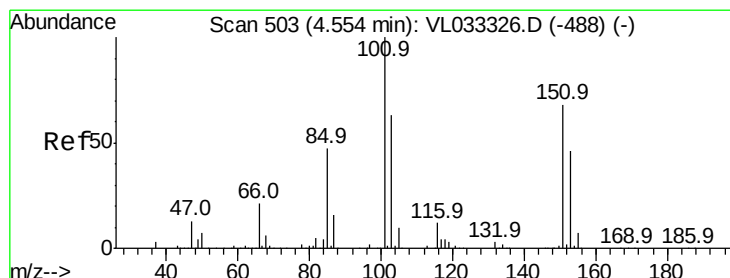
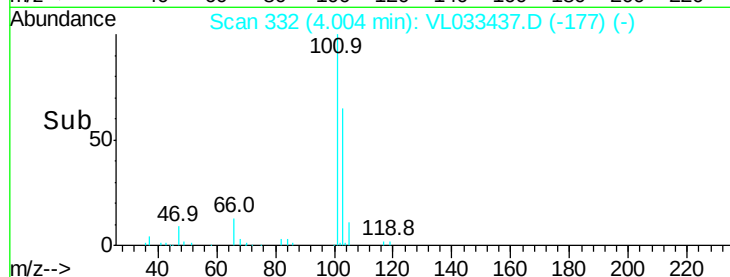
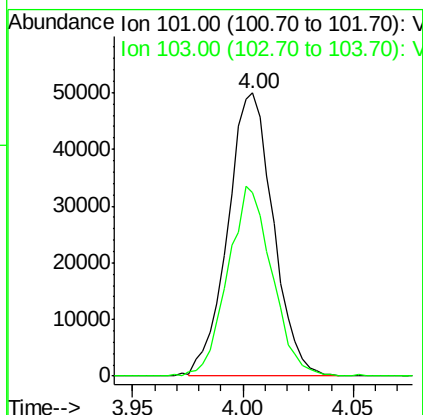
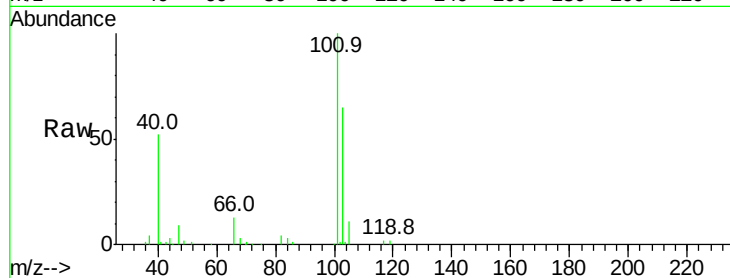




#11
 Trichlorofluoromethane
 Concen: 0.540 ppbv
 RT: 4.00 min Scan# 332
 Delta R.T. -0.00 min
 Lab File: VL033437.D
 Acq: 25 Mar 2019 12:25

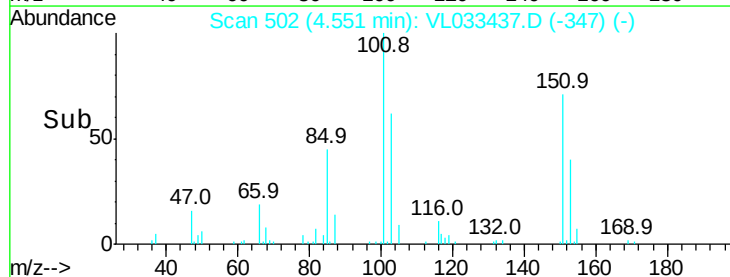
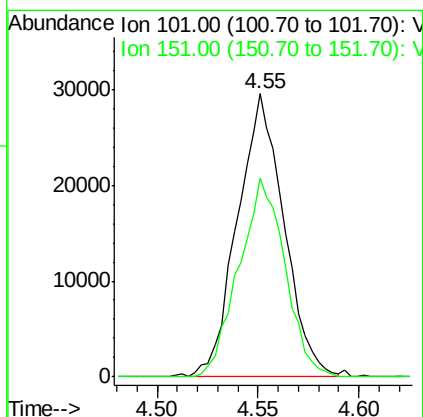
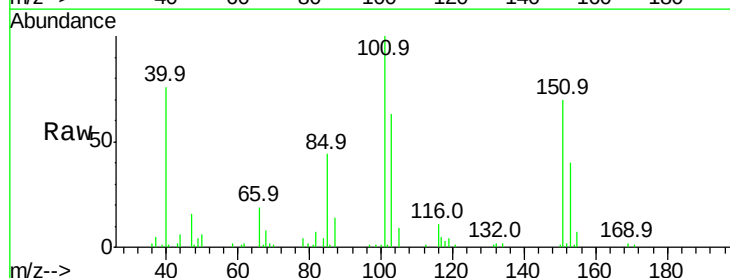
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

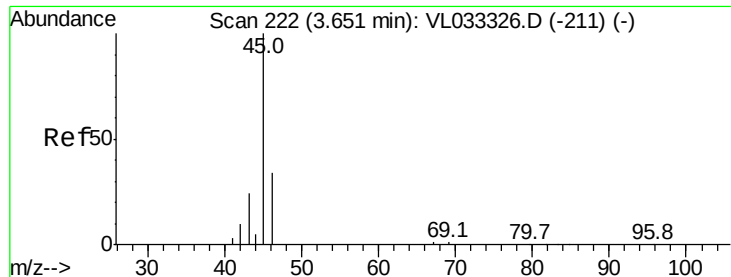
Tgt Ion:101 Resp: 71614
 Ion Ratio Lower Upper
 101 100
 103 64.4 52.9 79.3



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.541 ppbv
 RT: 4.55 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VL033437.D
 Acq: 25 Mar 2019 12:25

Tgt Ion:101 Resp: 47536
 Ion Ratio Lower Upper
 101 100
 151 69.7 56.3 84.5





#13

Ethanol

Concen: 0.280 ppbv

RT: 3.65 min Scan# 223

Delta R.T. 0.00 min

Lab File: VL033437.D

Acq: 25 Mar 2019 12:25

Instrument :

MSVOA_L

ClientSampleId :

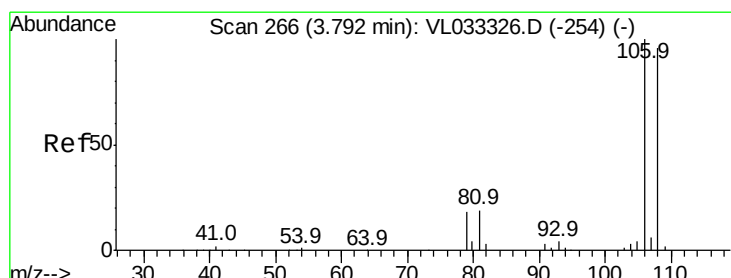
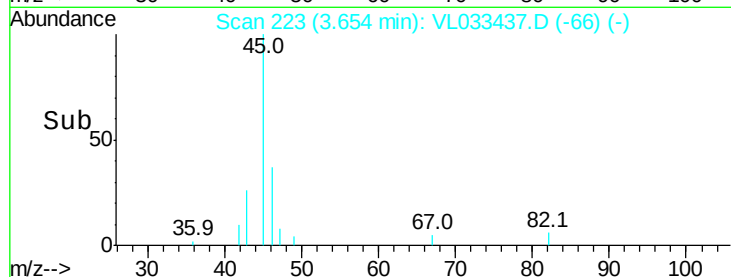
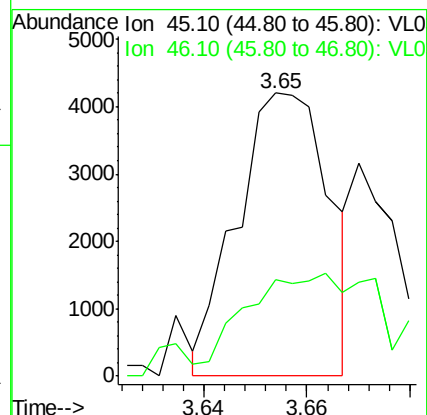
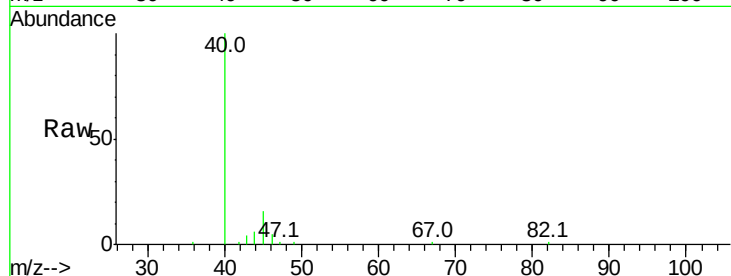
VSTDIC0.5

Tgt Ion: 45 Resp: 5178

Ion Ratio Lower Upper

45 100

46 0.0 14.9 59.7#



#14

Bromoethene

Concen: 0.496 ppbv

RT: 3.79 min Scan# 266

Delta R.T. 0.00 min

Lab File: VL033437.D

Acq: 25 Mar 2019 12:25

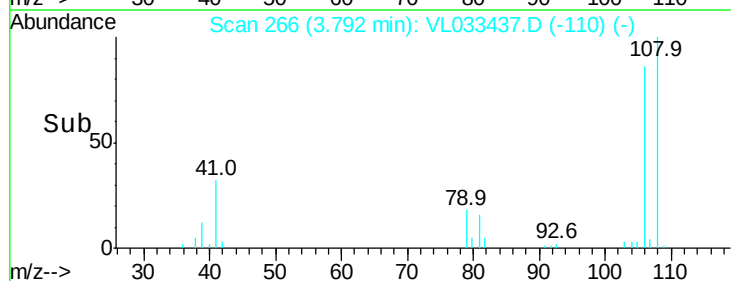
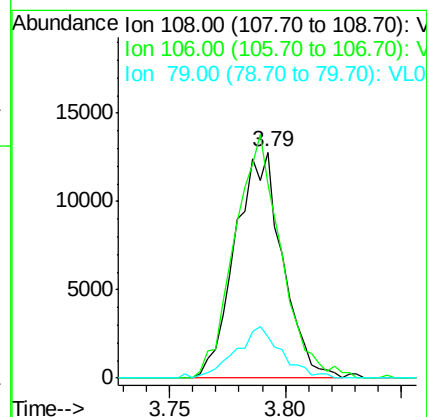
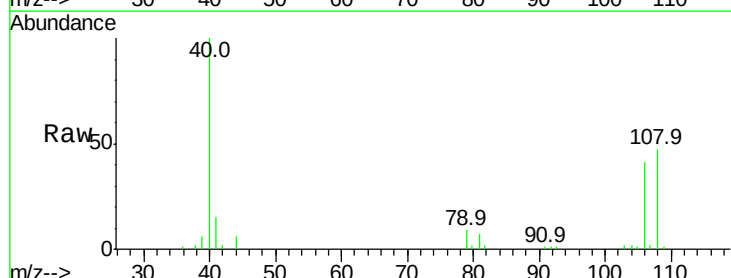
Tgt Ion: 108 Resp: 18190

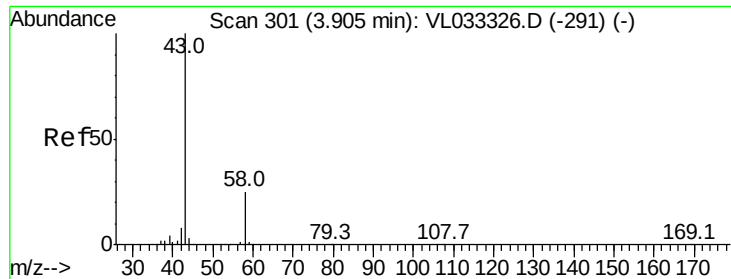
Ion Ratio Lower Upper

108 100

106 106.0 86.2 129.2

79 22.2 15.4 23.2

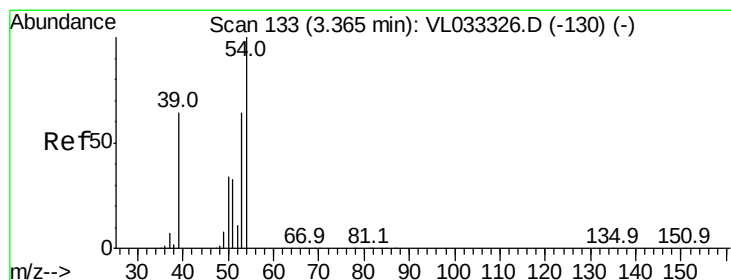
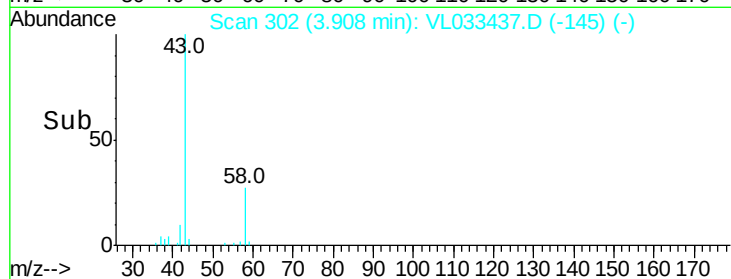
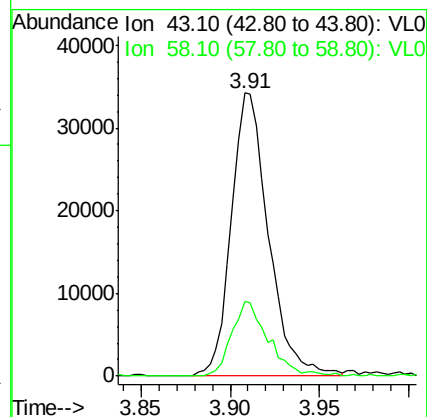
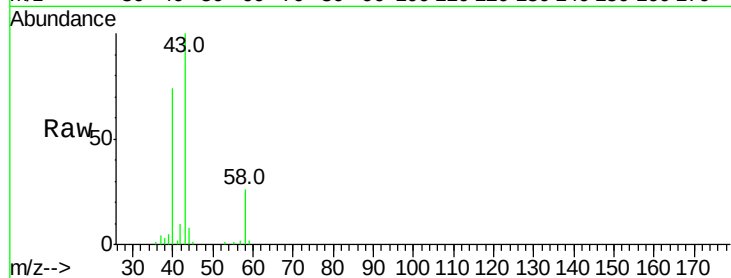




#15
Acetone
Concen: 0.423 ppbv
RT: 3.91 min Scan# 302
Delta R.T. 0.00 min
Lab File: VL033437.D
Acq: 25 Mar 2019 12:25

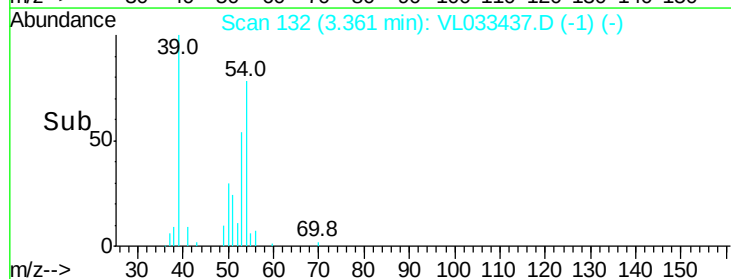
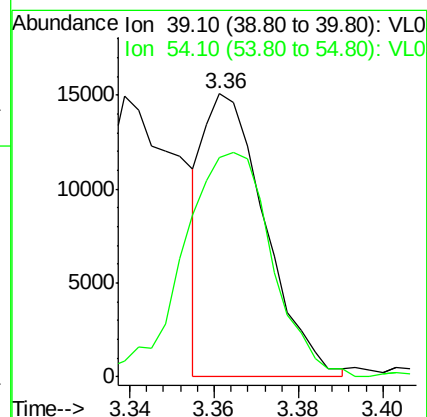
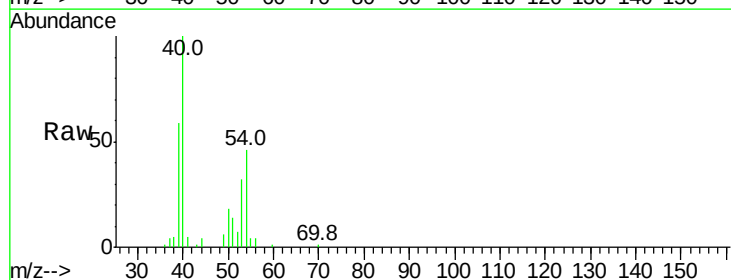
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

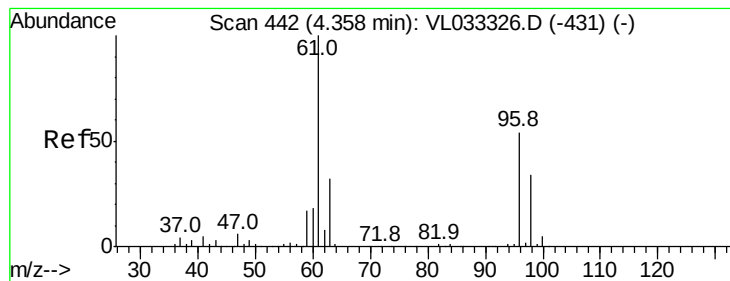
Tgt Ion: 43 Resp: 49820
Ion Ratio Lower Upper
43 100
58 26.2 20.4 30.6



#16
1,3-Butadiene
Concen: 0.399 ppbv
RT: 3.36 min Scan# 132
Delta R.T. -0.00 min
Lab File: VL033437.D
Acq: 25 Mar 2019 12:25

Tgt Ion: 39 Resp: 15266
Ion Ratio Lower Upper
39 100
54 116.7 76.8 115.2#





#17

tert-Butyl alcohol

Concen: 0.094 ppbv

RT: 4.35 min Scan# 438

Delta R.T. -0.01 min

Lab File: VL033437.D

Acq: 25 Mar 2019 12:25

Instrument :

MSVOA_L

ClientSampleId :

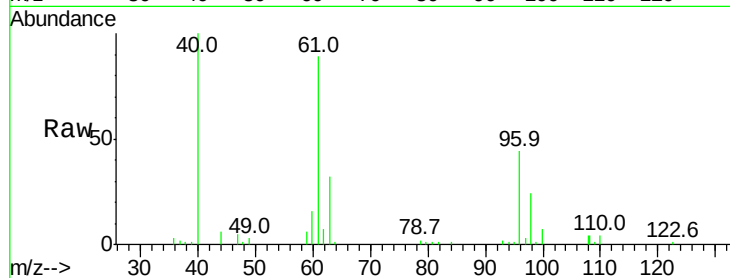
VSTDIC0.5

Tgt Ion: 59 Resp: 1553

Ion Ratio Lower Upper

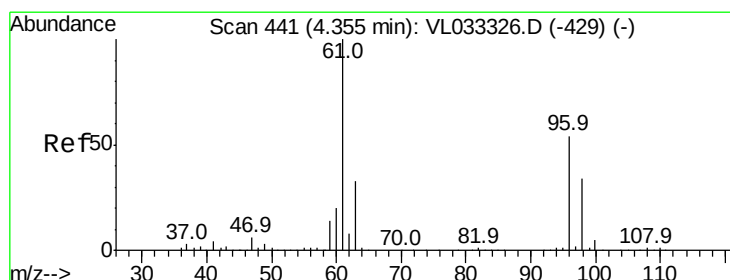
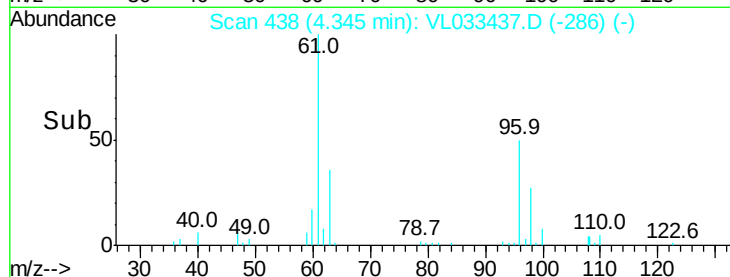
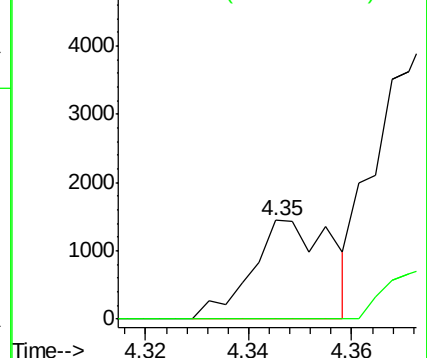
59 100

57 0.0 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: 0.503 ppbv

RT: 4.35 min Scan# 441

Delta R.T. 0.00 min

Lab File: VL033437.D

Acq: 25 Mar 2019 12:25

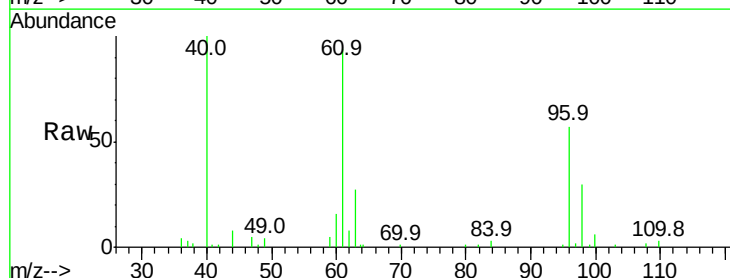
Tgt Ion: 96 Resp: 20234

Ion Ratio Lower Upper

96 100

61 164.3 148.6 222.8

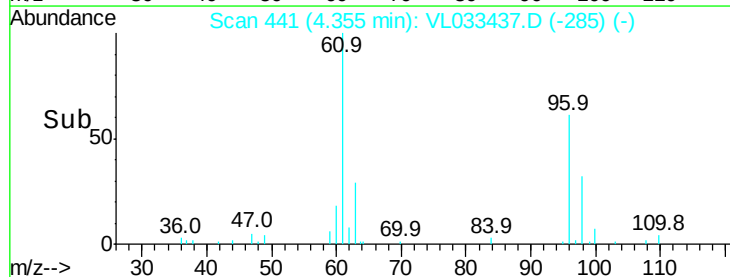
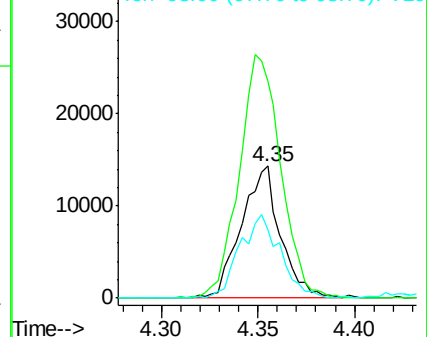
98 52.2 50.3 75.5

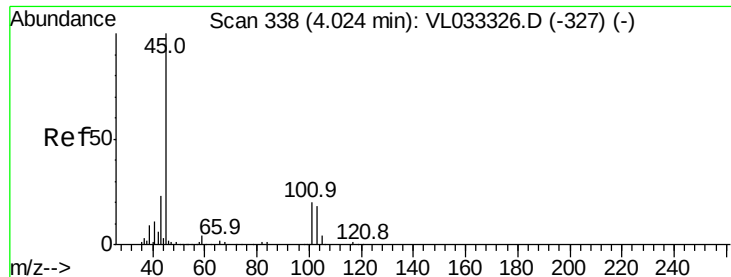


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 0.634 ppbv

RT: 4.04 min Scan# 342

Delta R.T. 0.01 min

Lab File: VL033437.D

Acq: 25 Mar 2019 12:25

Instrument :

MSVOA_L

ClientSampleId :

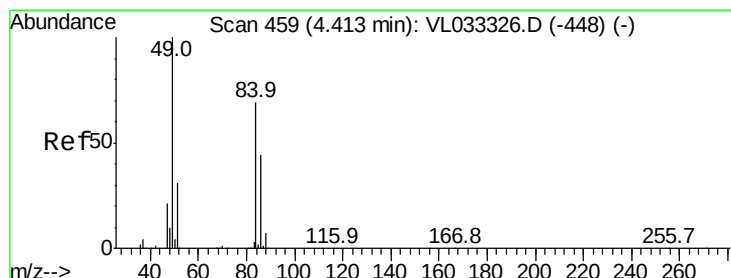
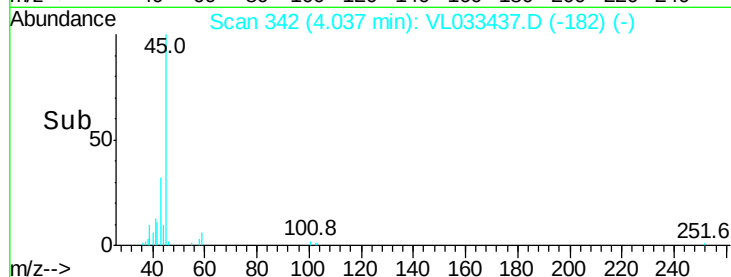
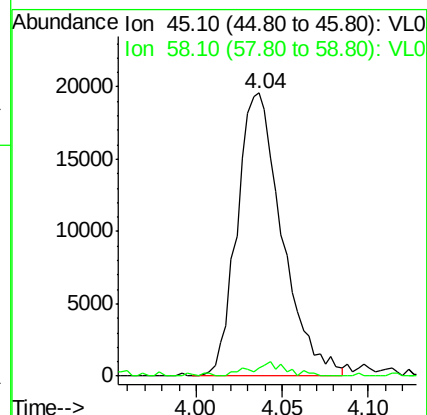
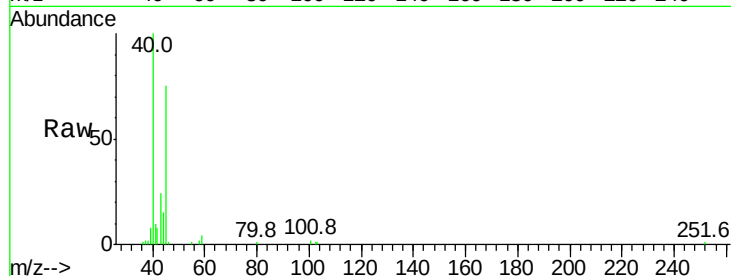
VSTDIC0.5

Tgt Ion: 45 Resp: 35476

Ion Ratio Lower Upper

45 100

58 4.2 1.5 2.3#



#20

Methylene Chloride

Concen: 0.581 ppbv

RT: 4.41 min Scan# 457

Delta R.T. -0.01 min

Lab File: VL033437.D

Acq: 25 Mar 2019 12:25

Tgt Ion: 84 Resp: 22305

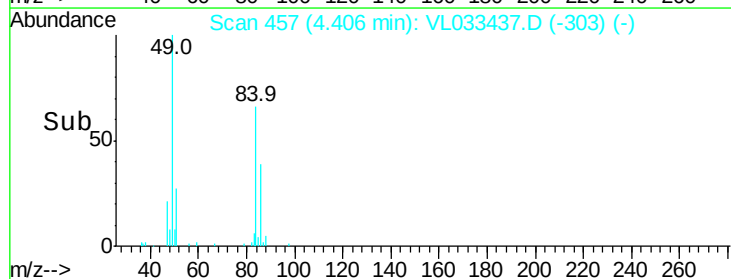
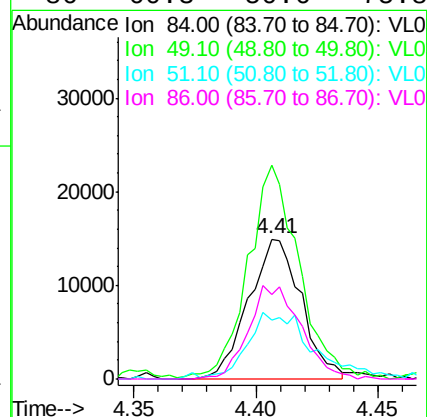
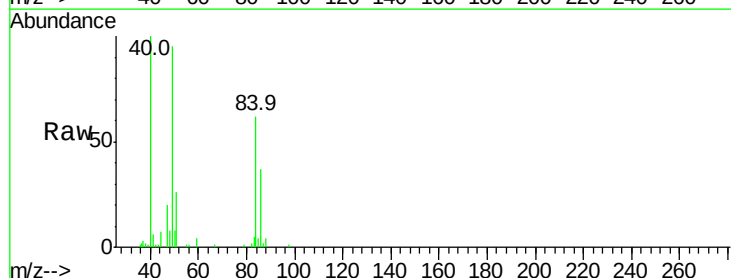
Ion Ratio Lower Upper

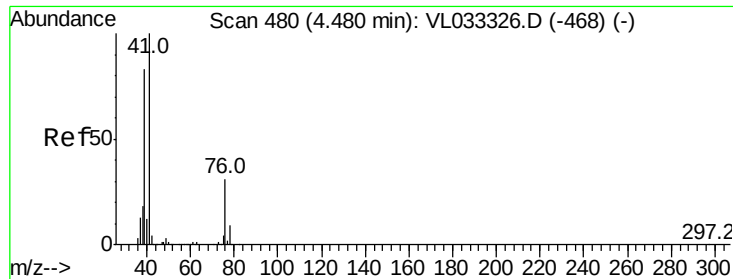
84 100

49 149.3 115.4 173.0

51 37.6 35.8 53.6

86 60.3 50.6 75.8

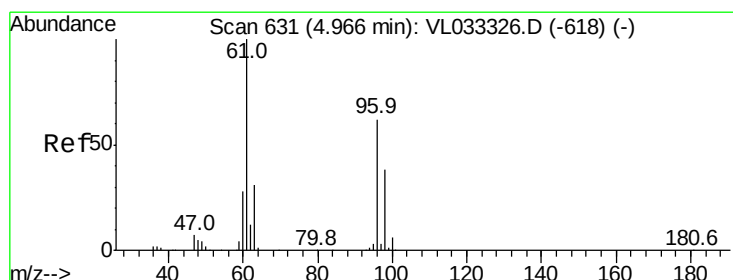
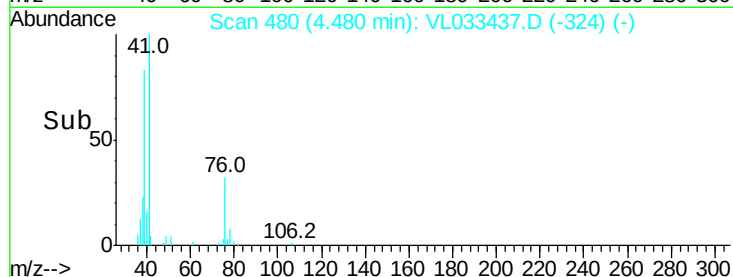
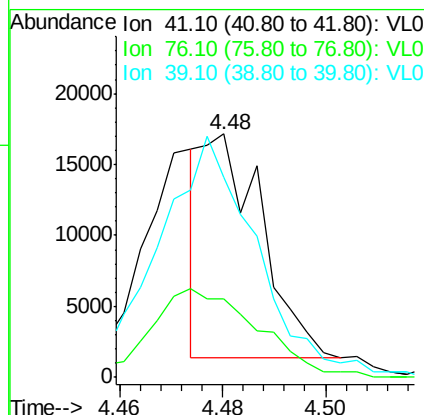
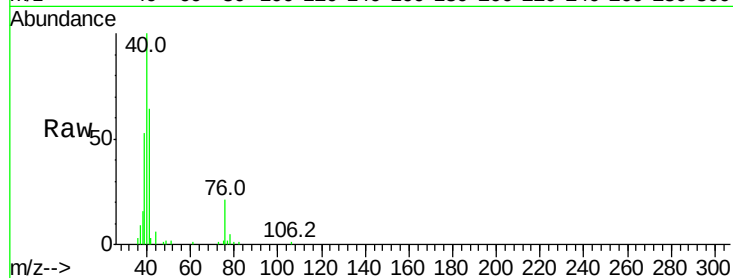




#21
 Allyl Chloride
 Concen: 0.220 ppbv
 RT: 4.48 min Scan# 480
 Delta R.T. 0.00 min
 Lab File: VL033437.D
 Acq: 25 Mar 2019 12:25

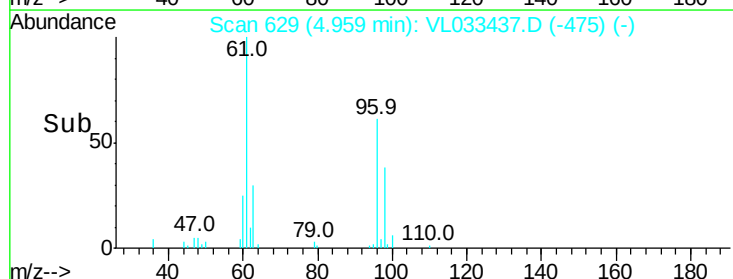
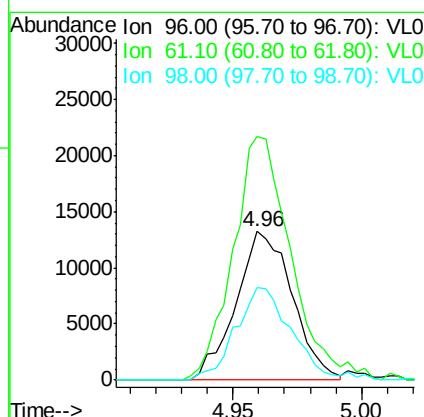
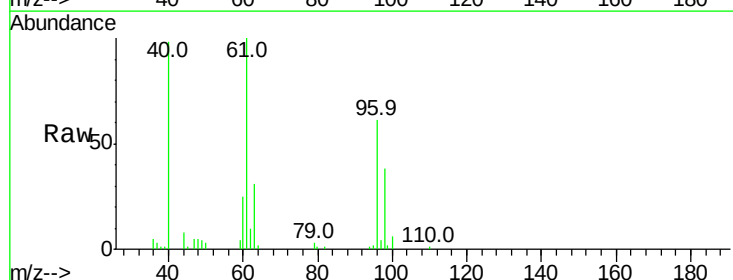
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

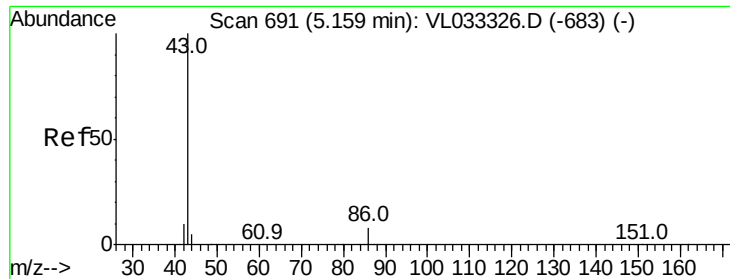
Tgt Ion: 41 Resp: 12551
 Ion Ratio Lower Upper
 41 100
 76 72.0 25.0 37.4#
 39 183.8 65.9 98.9#



#22
 trans-1,2-Dichloroethene
 Concen: 0.518 ppbv
 RT: 4.96 min Scan# 629
 Delta R.T. -0.01 min
 Lab File: VL033437.D
 Acq: 25 Mar 2019 12:25

Tgt Ion: 96 Resp: 20189
 Ion Ratio Lower Upper
 96 100
 61 160.3 130.0 195.0
 98 61.9 50.0 75.0





#23

Vinyl Acetate

Concen: 0.206 ppbv

RT: 5.15 min Scan# 688

Delta R.T. -0.01 min

Lab File: VL033437.D

Acq: 25 Mar 2019 12:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 43 Resp: 28089

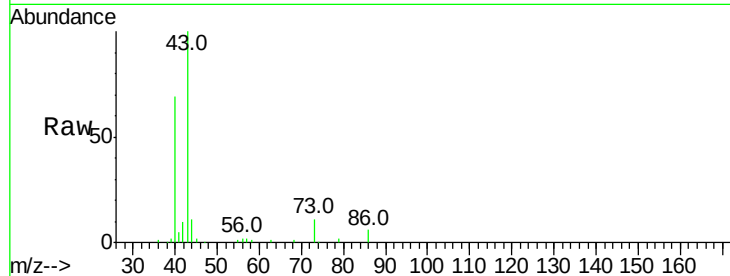
Ion Ratio Lower Upper

43 100

86 7.0 6.2 9.2

42 7.4 8.1 12.1#

44 9.2 4.1 6.1#

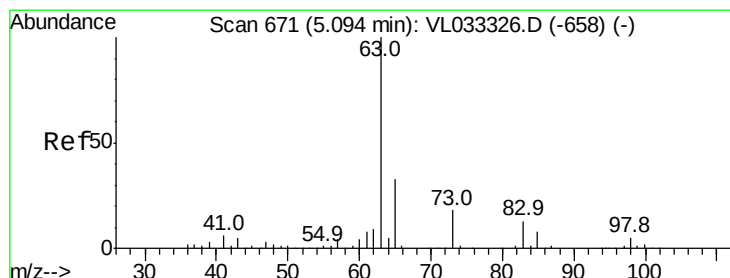
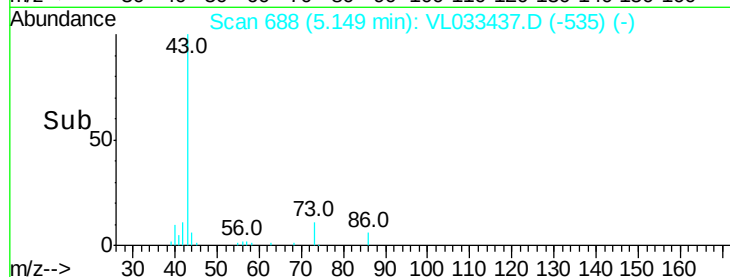
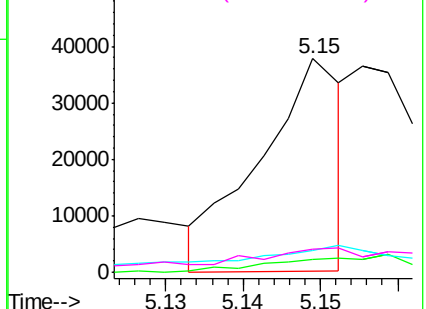


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.519 ppbv

RT: 5.09 min Scan# 669

Delta R.T. -0.01 min

Lab File: VL033437.D

Acq: 25 Mar 2019 12:25

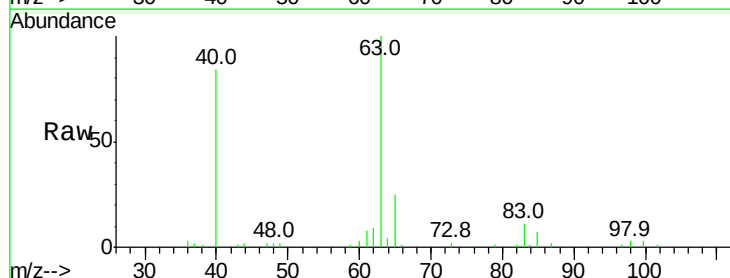
Tgt Ion: 63 Resp: 51040

Ion Ratio Lower Upper

63 100

98 3.0 2.4 7.1

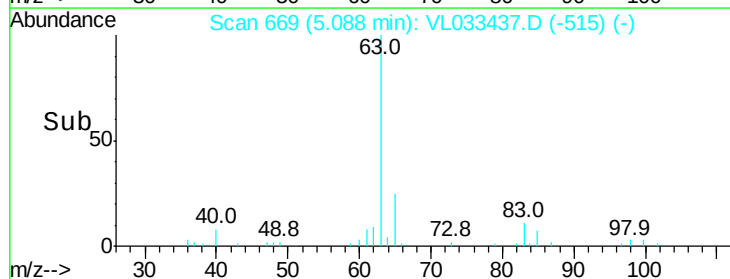
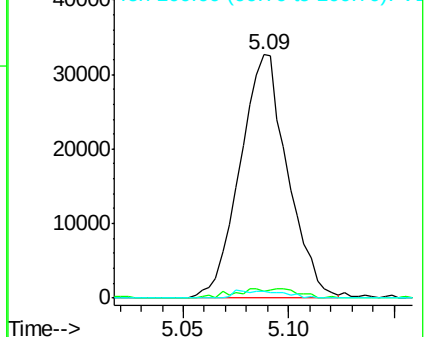
100 2.9 1.3 3.8

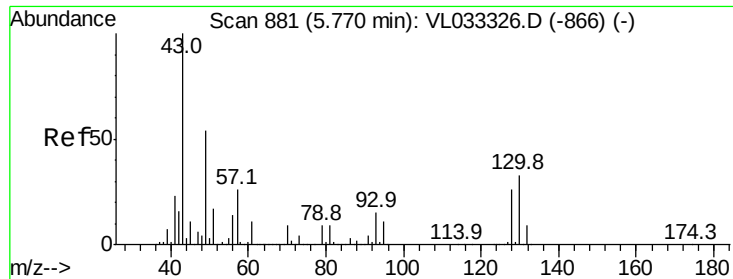


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

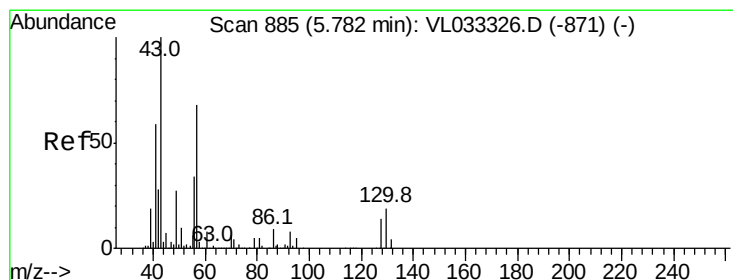
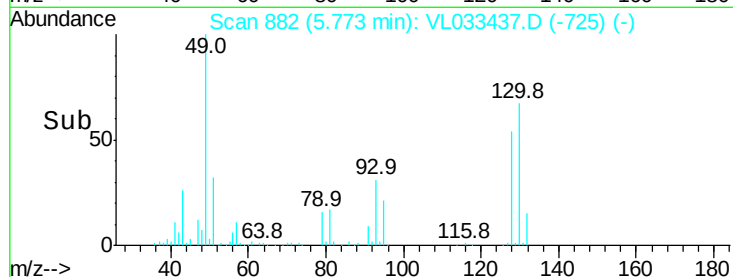
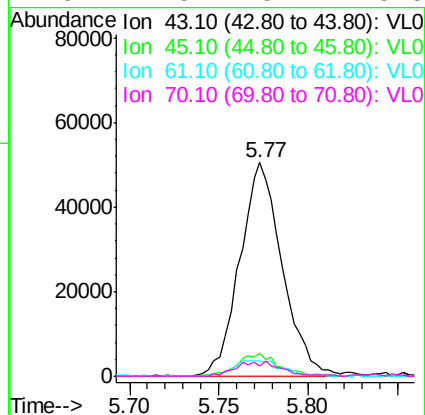
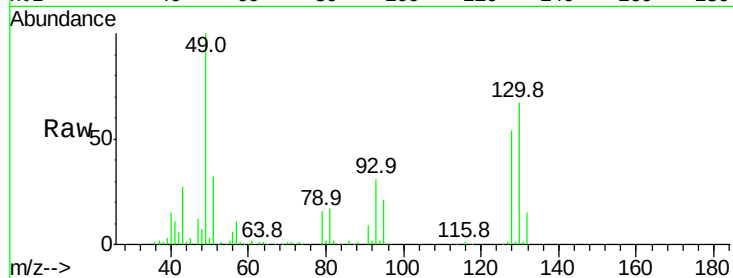




#25
Ethyl Acetate
Concen: 0.490 ppbv
RT: 5.77 min Scan# 882
Delta R.T. 0.00 min
Lab File: VL033437.D
Acq: 25 Mar 2019 12:25

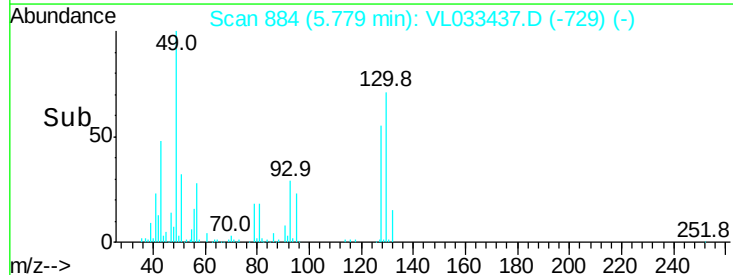
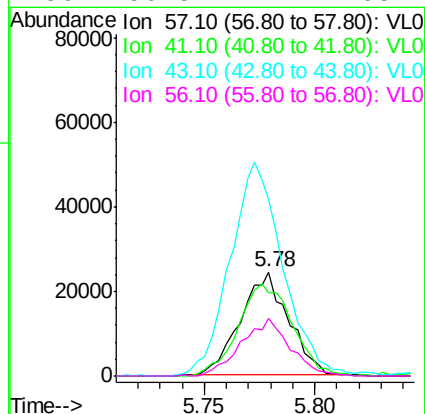
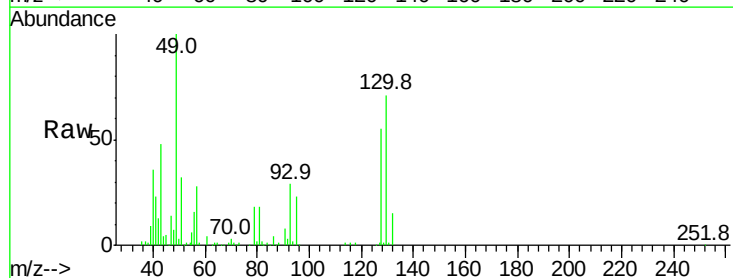
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

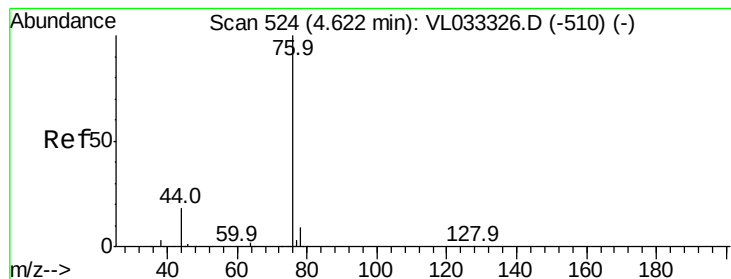
Tgt Ion:	43	Resp:	83741
Ion	Ratio	Lower	Upper
43	100		
45	10.4	7.9	11.9
61	8.5	7.4	11.2
70	7.5	5.7	8.5



#26
Hexane
Concen: 0.482 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033437.D
Acq: 25 Mar 2019 12:25

Tgt Ion:	57	Resp:	36849
Ion	Ratio	Lower	Upper
57	100		
41	101.6	70.5	105.7
43	229.1	181.8	272.8
56	56.5	42.2	63.2





#27

Carbon Disulfide

Concen: 0.440 ppbv

RT: 4.62 min Scan# 525

Delta R.T. 0.00 min

Lab File: VL033437.D

Acq: 25 Mar 2019 12:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

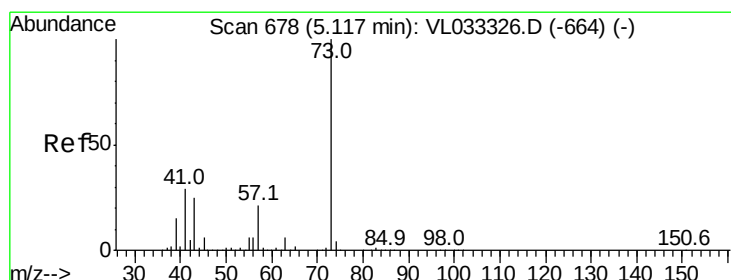
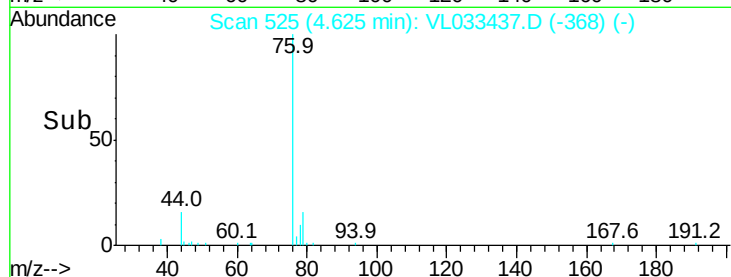
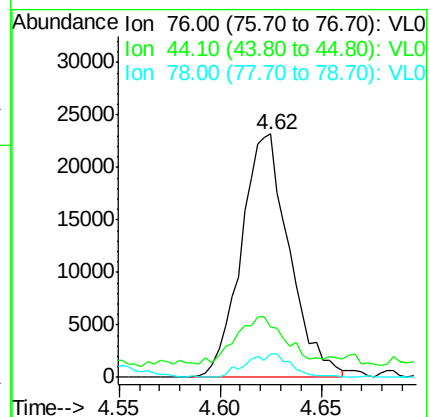
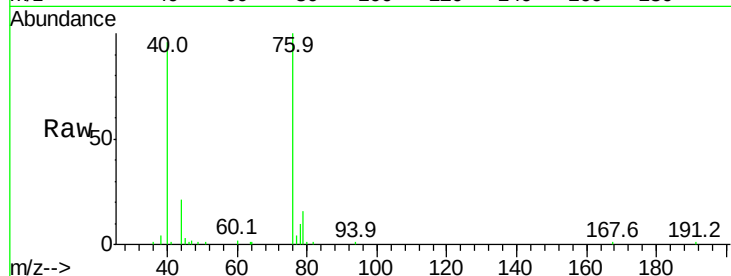
Tgt Ion: 76 Resp: 38765

Ion Ratio Lower Upper

76 100

44 23.7 15.2 22.8#

78 9.1 7.2 10.8



#28

Methyl tert-Butyl Ether

Concen: 0.446 ppbv

RT: 5.12 min Scan# 679

Delta R.T. 0.00 min

Lab File: VL033437.D

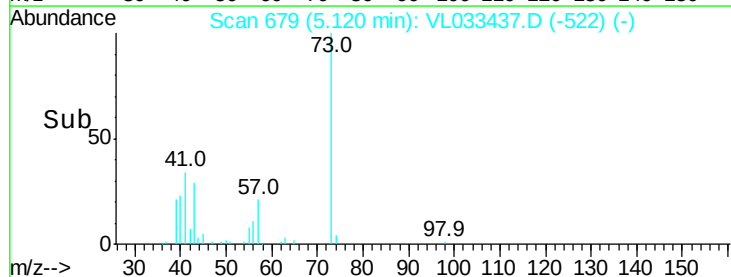
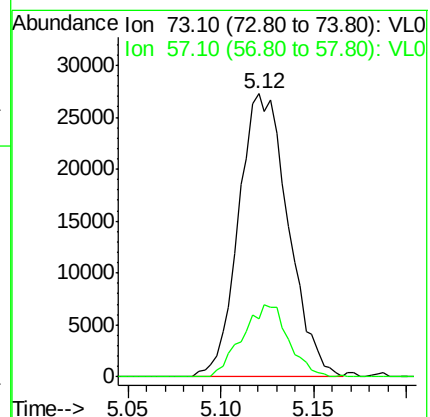
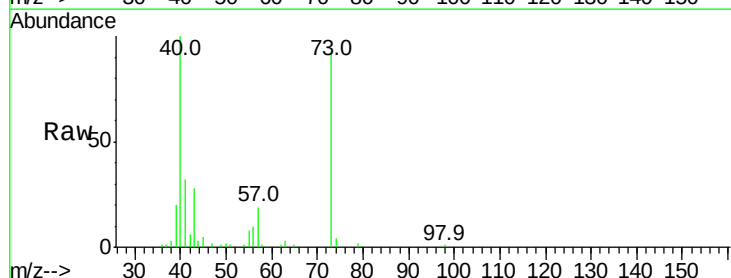
Acq: 25 Mar 2019 12:25

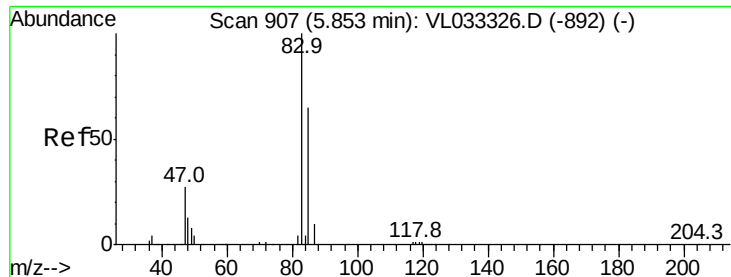
Tgt Ion: 73 Resp: 50616

Ion Ratio Lower Upper

73 100

57 23.7 17.4 26.0





#29

Chloroform

Concen: 0.520 ppbv

RT: 5.84 min Scan# 904

Delta R.T. -0.01 min

Lab File: VL033437.D

Acq: 25 Mar 2019 12:25

Instrument :

MSVOA_L

ClientSampleId :

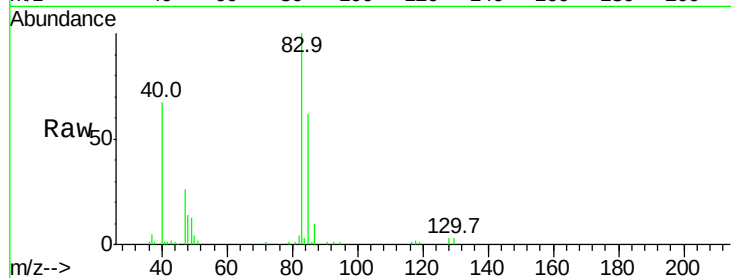
VSTDIC0.5

Tgt Ion: 83 Resp: 65114

Ion Ratio Lower Upper

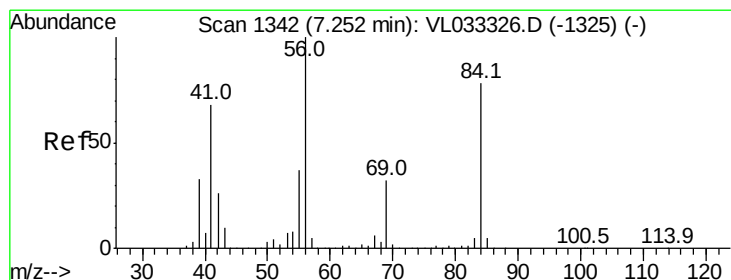
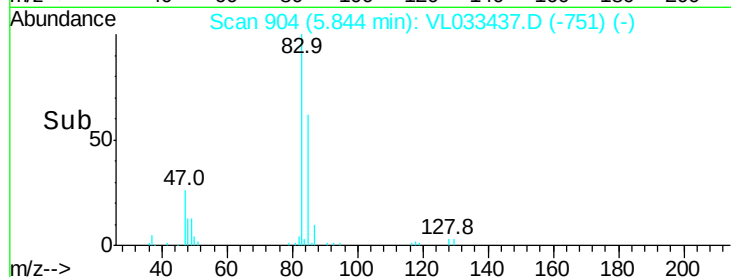
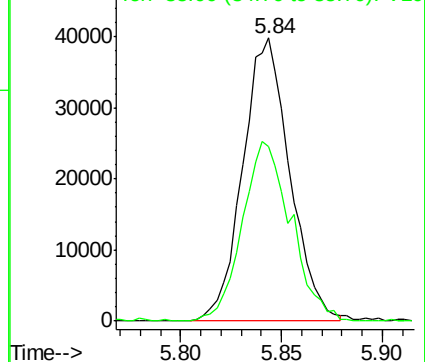
83 100

85 61.8 52.0 78.0



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 0.448 ppbv

RT: 7.25 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VL033437.D

Acq: 25 Mar 2019 12:25

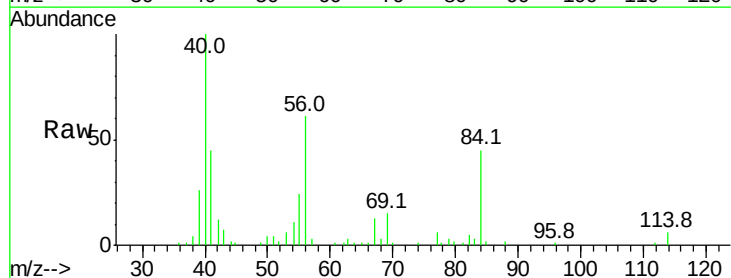
Tgt Ion: 84 Resp: 27442

Ion Ratio Lower Upper

84 100

56 124.4 111.3 166.9

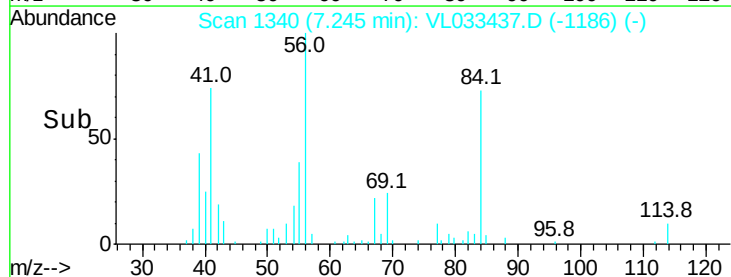
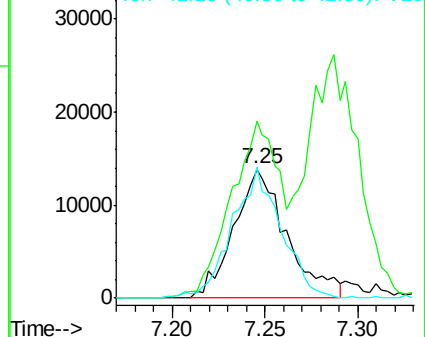
41 93.8 69.6 104.4

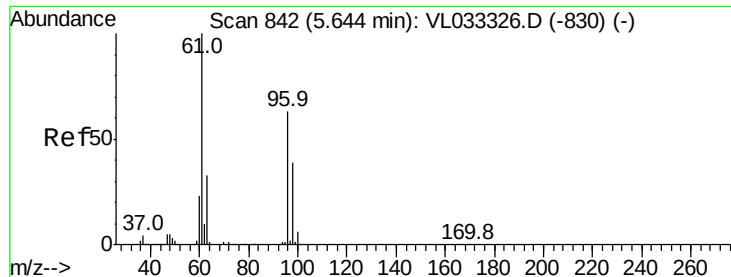


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0



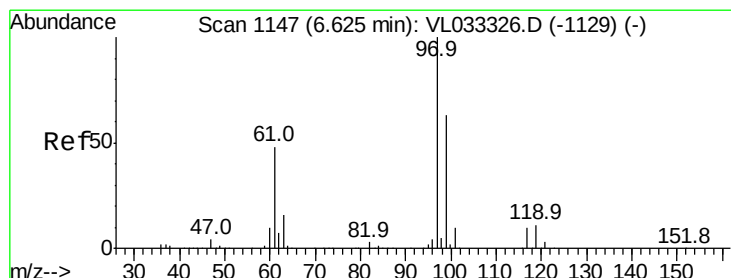
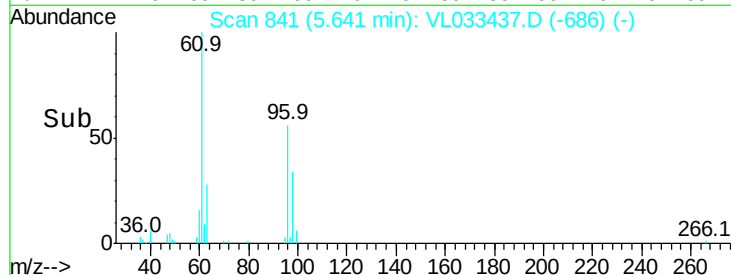
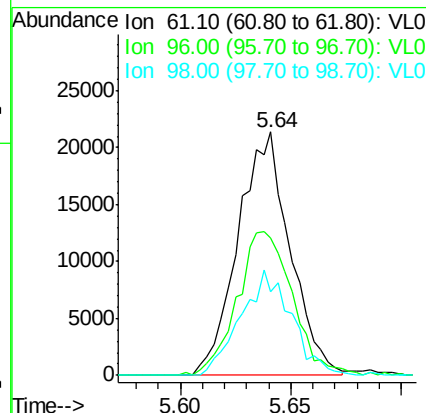
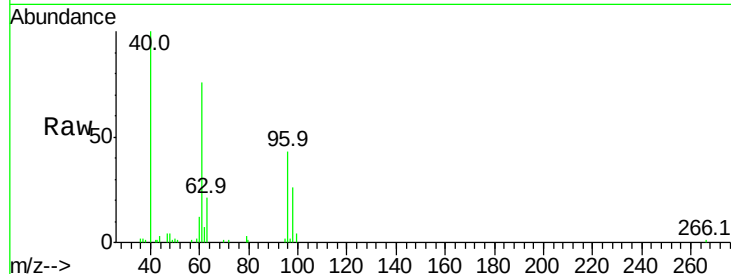


#31

cis-1,2-Dichloroethene
 Concen: 0.457 ppbv
 RT: 5.64 min Scan# 841
 Delta R.T. -0.00 min
 Lab File: VL033437.D
 Acq: 25 Mar 2019 12:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

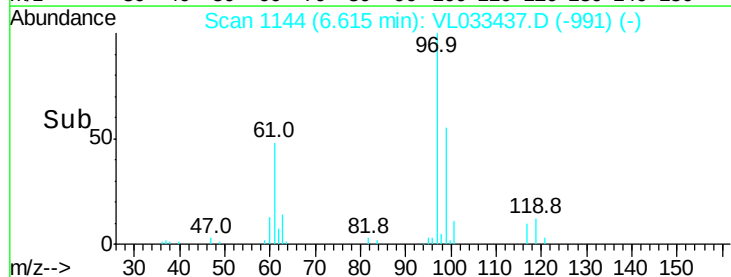
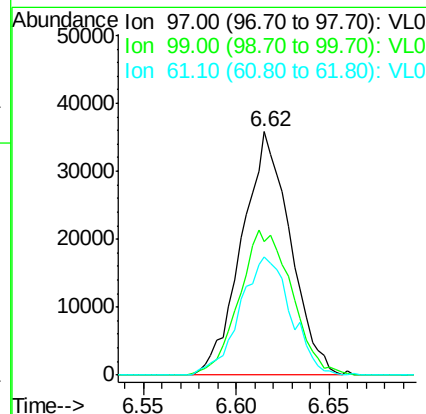
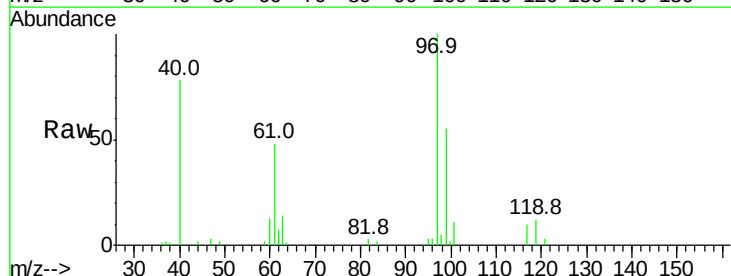
Tgt Ion: 61 Resp: 34960
 Ion Ratio Lower Upper
 61 100
 96 56.4 50.3 75.5
 98 34.4 31.5 47.3

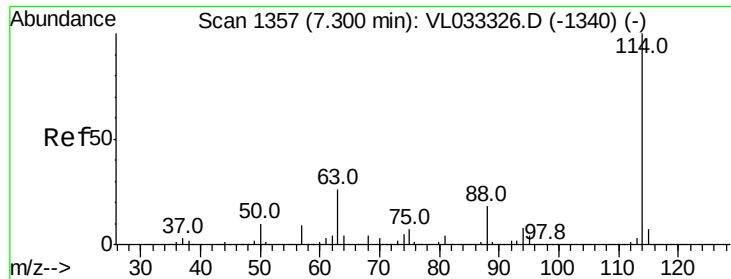


#32

1,1,1-Trichloroethane
 Concen: 0.529 ppbv
 RT: 6.62 min Scan# 1144
 Delta R.T. -0.01 min
 Lab File: VL033437.D
 Acq: 25 Mar 2019 12:25

Tgt Ion: 97 Resp: 65017
 Ion Ratio Lower Upper
 97 100
 99 64.3 51.0 76.6
 61 51.1 39.3 58.9

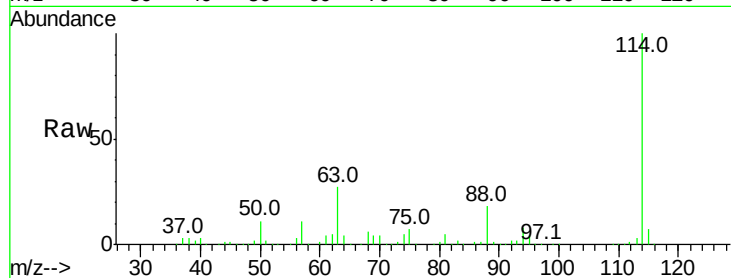




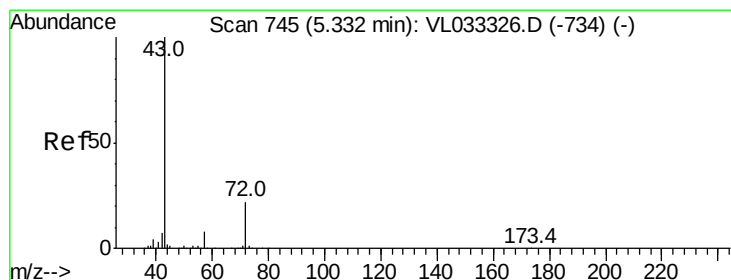
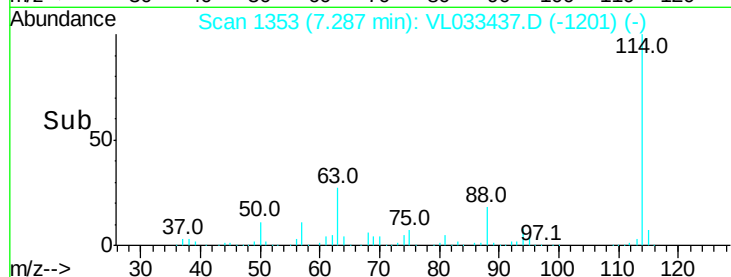
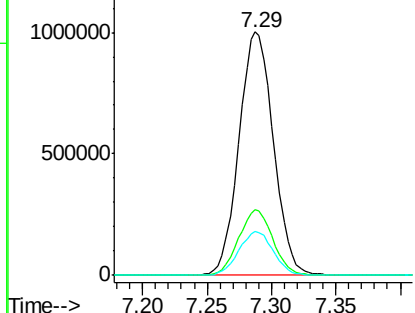
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: VL033437.D
 Acq: 25 Mar 2019 12:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion:114 Resp: 1861900
 Ion Ratio Lower Upper
 114 100
 63 26.8 21.4 32.2
 88 18.2 14.5 21.7

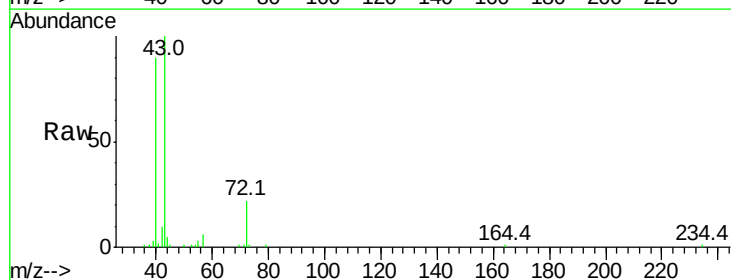


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

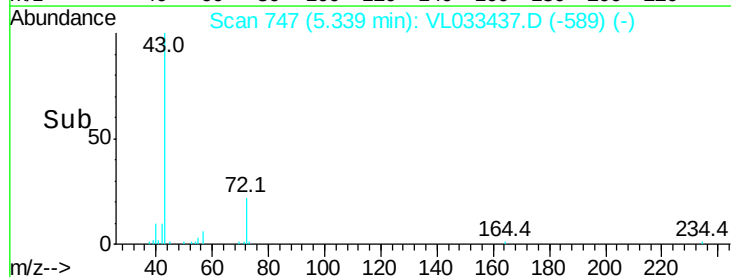
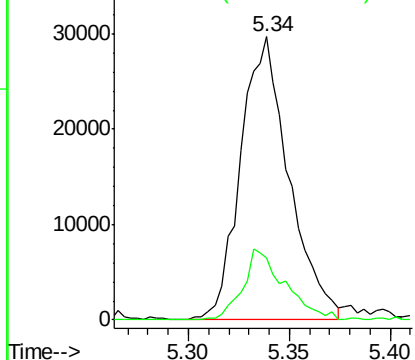


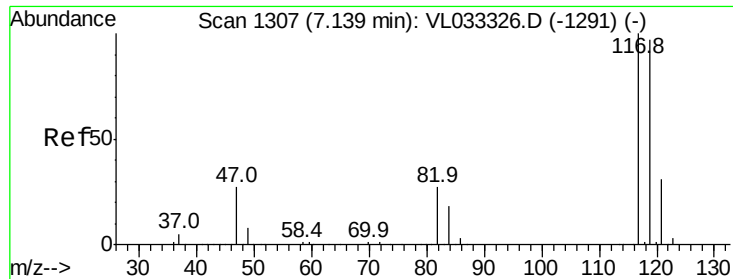
#34
 2-Butanone
 Concen: 0.407 ppbv
 RT: 5.34 min Scan# 747
 Delta R.T. 0.01 min
 Lab File: VL033437.D
 Acq: 25 Mar 2019 12:25

Tgt Ion: 43 Resp: 49745
 Ion Ratio Lower Upper
 43 100
 72 21.7 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: 0.508 ppbv

RT: 7.13 min Scan# 1305

Delta R.T. -0.01 min

Lab File: VL033437.D

Acq: 25 Mar 2019 12:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

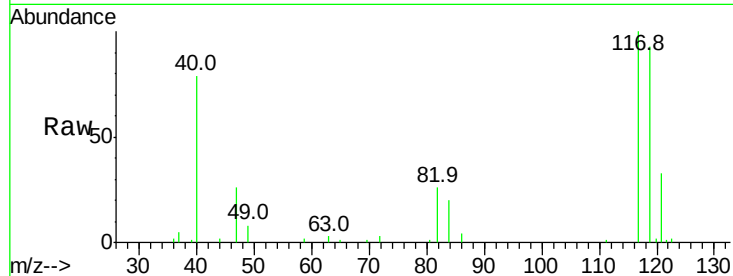
Tgt Ion:117 Resp: 66634

Ion Ratio Lower Upper

117 100

119 93.1 77.4 116.0

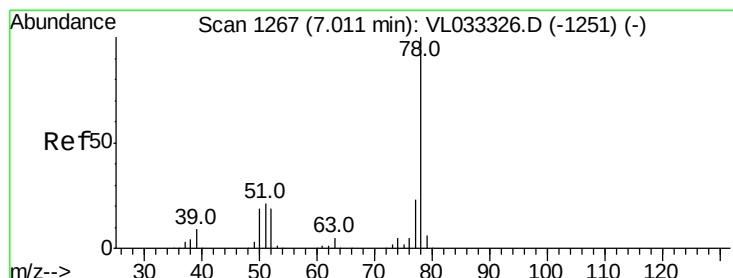
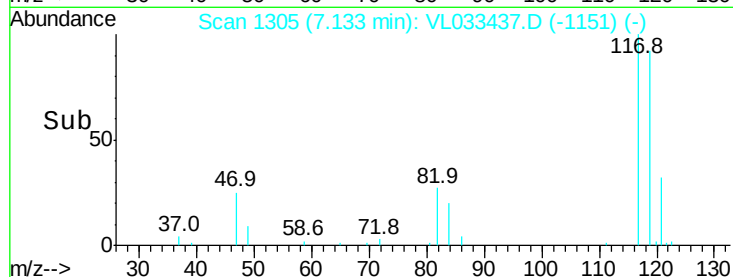
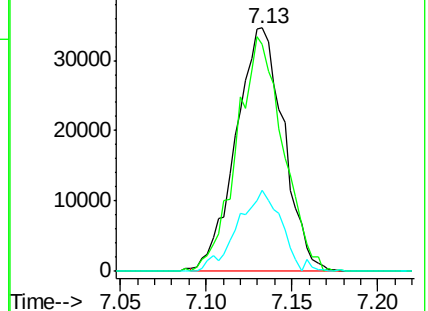
121 34.1 24.9 37.3



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: 0.437 ppbv

RT: 7.00 min Scan# 1265

Delta R.T. -0.01 min

Lab File: VL033437.D

Acq: 25 Mar 2019 12:25

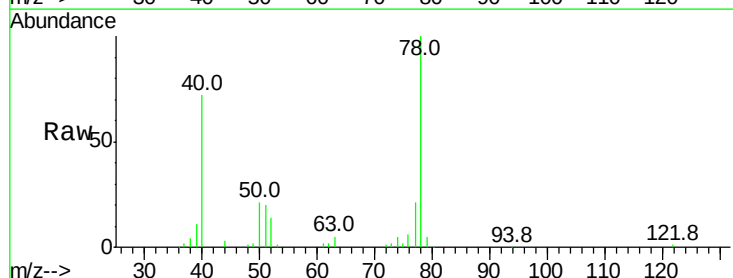
Tgt Ion: 78 Resp: 72841

Ion Ratio Lower Upper

78 100

77 20.9 18.1 27.1

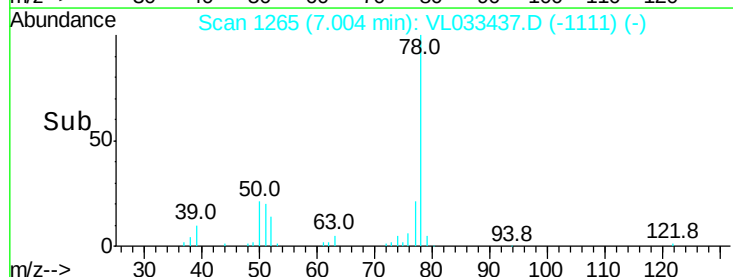
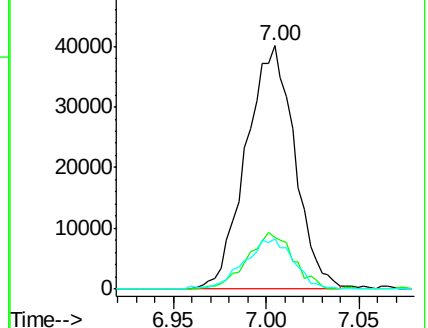
50 20.6 15.2 22.8

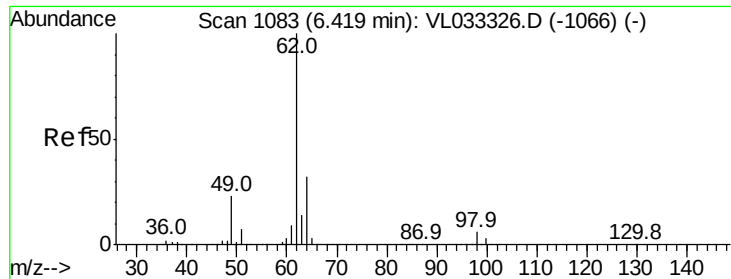


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

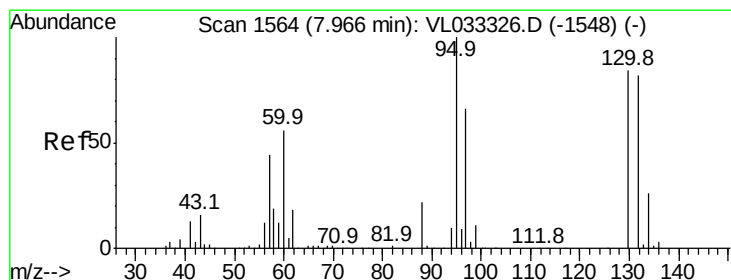
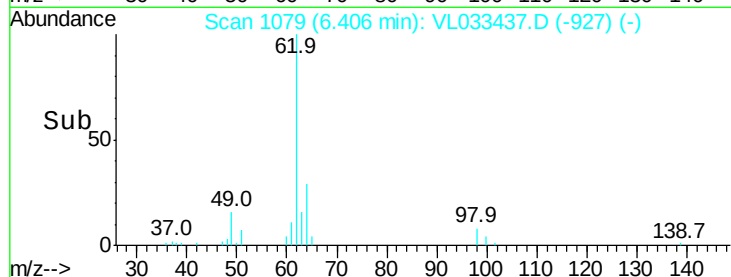
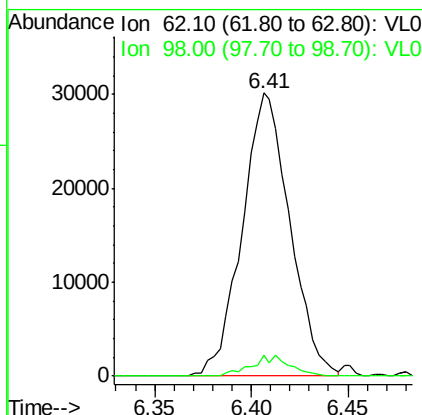
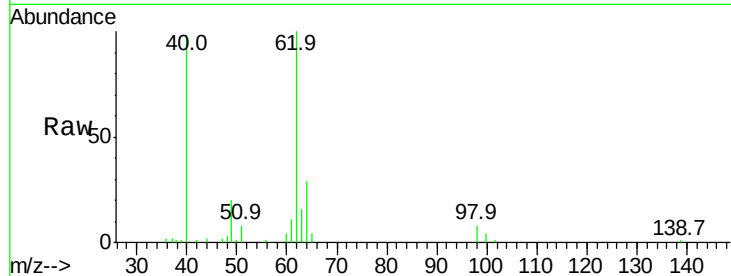




#37
 1,2-Dichloroethane
 Concen: 0.492 ppbv
 RT: 6.41 min Scan# 1079
 Delta R.T. -0.01 min
 Lab File: VL033437.D
 Acq: 25 Mar 2019 12:25

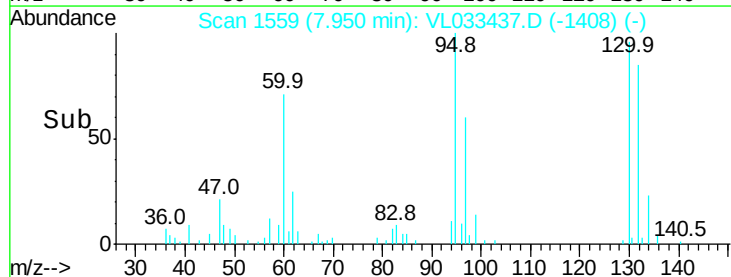
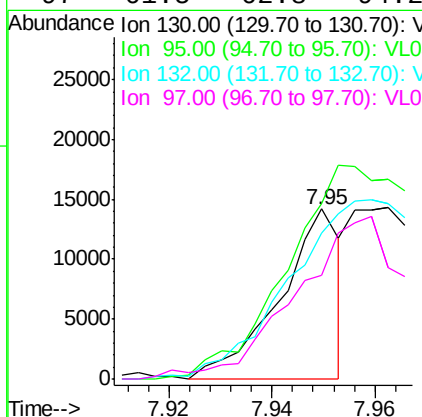
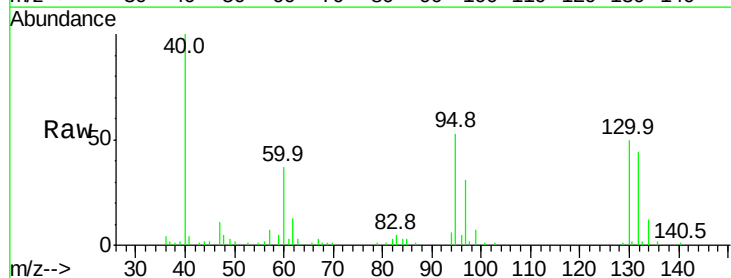
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

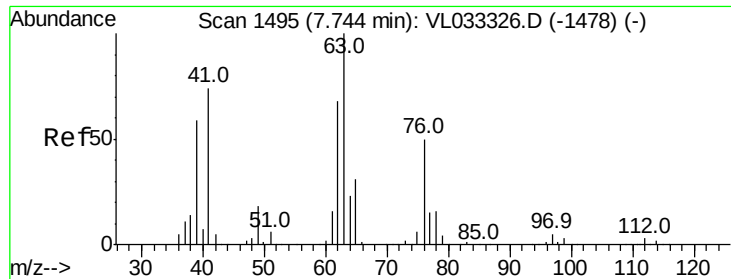
Tgt Ion: 62 Resp: 51800
 Ion Ratio Lower Upper
 62 100
 98 5.9 4.5 6.7



#38
 Trichloroethene
 Concen: 0.183 ppbv
 RT: 7.95 min Scan# 1559
 Delta R.T. -0.02 min
 Lab File: VL033437.D
 Acq: 25 Mar 2019 12:25

Tgt Ion: 130 Resp: 11546
 Ion Ratio Lower Upper
 130 100
 95 100.5 95.2 142.8
 132 87.5 77.7 116.5
 97 61.5 62.8 94.2#





#39

1,2-Dichloropropane

Concen: 0.192 ppbv

RT: 7.72 min Scan# 1489

Delta R.T. -0.02 min

Lab File: VL033437.D

Acq: 25 Mar 2019 12:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

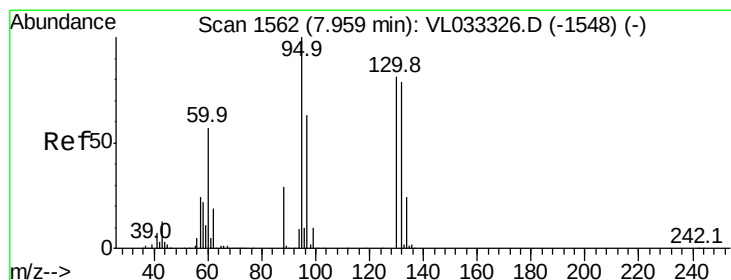
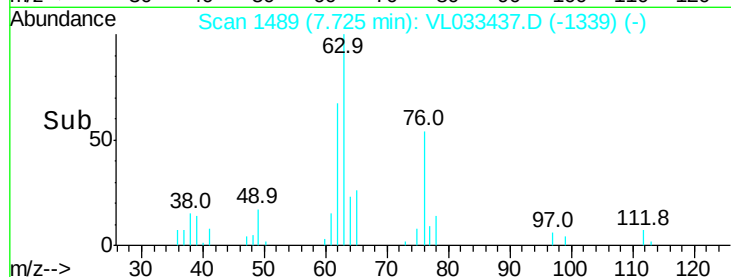
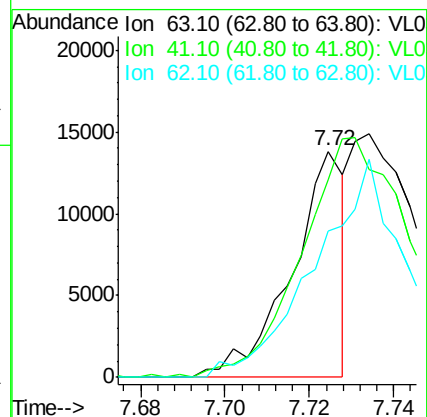
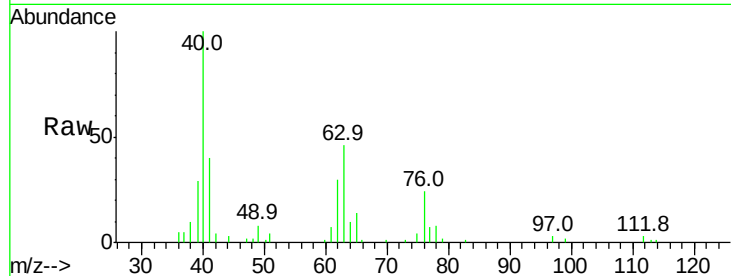
Tgt Ion: 63 Resp: 11989

Ion Ratio Lower Upper

63 100

41 87.7 59.5 89.3

62 64.7 54.7 82.1



#40

1,4-Dioxane

Concen: 0.057 ppbv

RT: 7.98 min Scan# 1569

Delta R.T. 0.02 min

Lab File: VL033437.D

Acq: 25 Mar 2019 12:25

Tgt Ion: 88 Resp: 1256

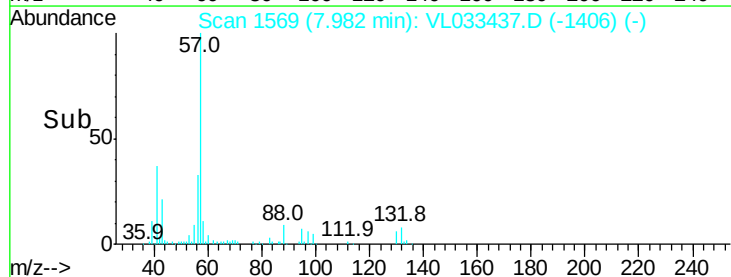
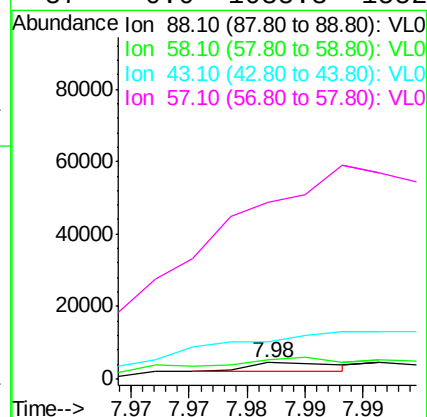
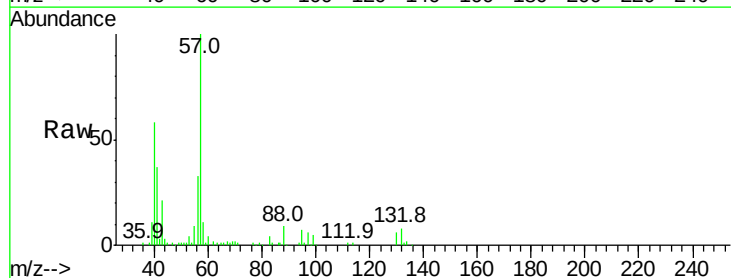
Ion Ratio Lower Upper

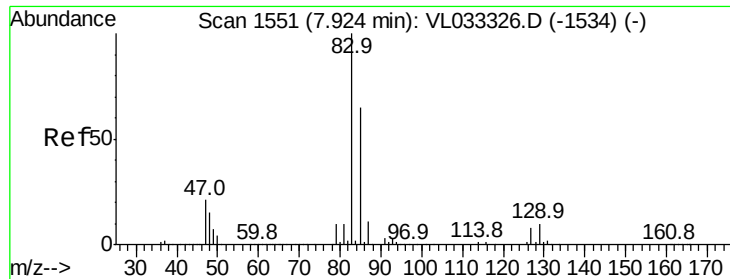
88 100

58 1168.6 107.9 161.9#

43 0.0 230.8 346.2#

57 0.0 1035.3 1552.9#





#42

Bromodichloromethane

Concen: 0.465 ppbv

RT: 7.91 min Scan# 1547

Delta R.T. -0.01 min

Lab File: VL033437.D

Acq: 25 Mar 2019 12:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

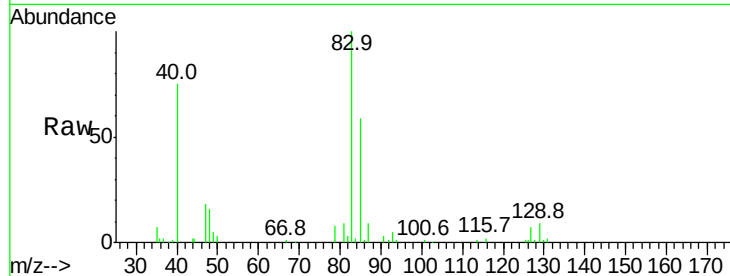
Tgt Ion: 83 Resp: 65733

Ion Ratio Lower Upper

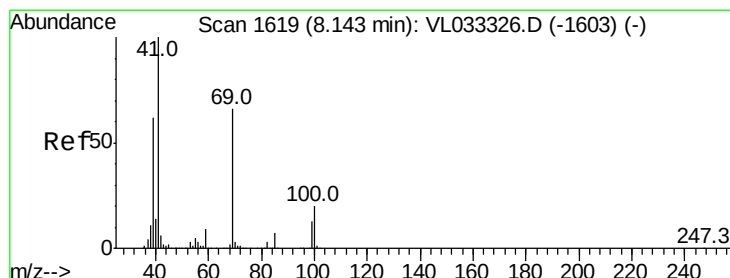
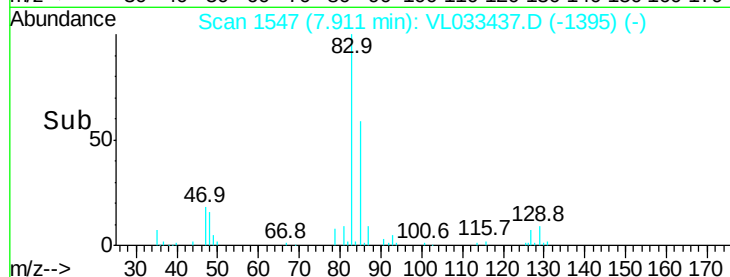
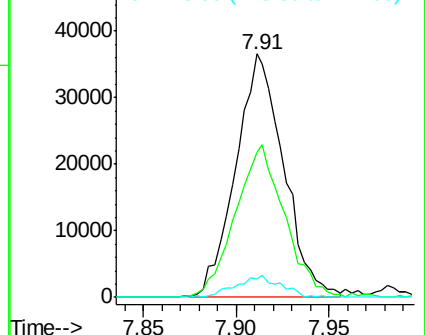
83 100

85 58.6 51.8 77.6

127 7.3 6.2 9.2



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): VL0



#43

Methyl Methacrylate

Concen: 0.405 ppbv

RT: 8.14 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VL033437.D

Acq: 25 Mar 2019 12:25

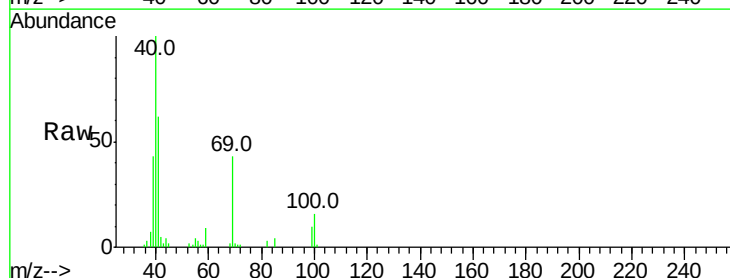
Tgt Ion: 69 Resp: 26289

Ion Ratio Lower Upper

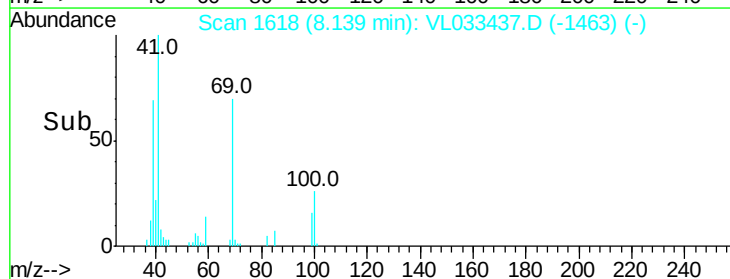
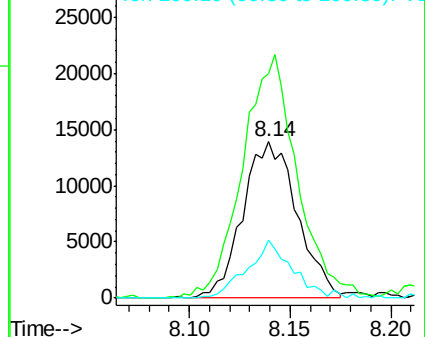
69 100

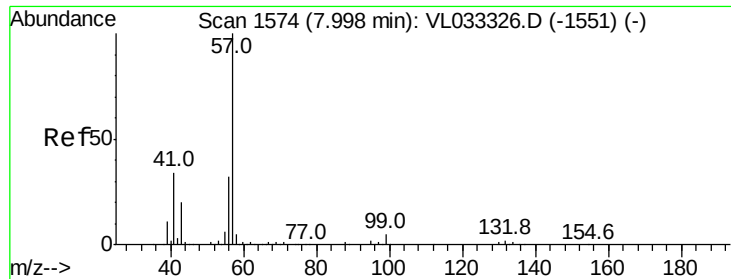
41 156.0 119.5 179.3

100 31.2 24.4 36.6



Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0

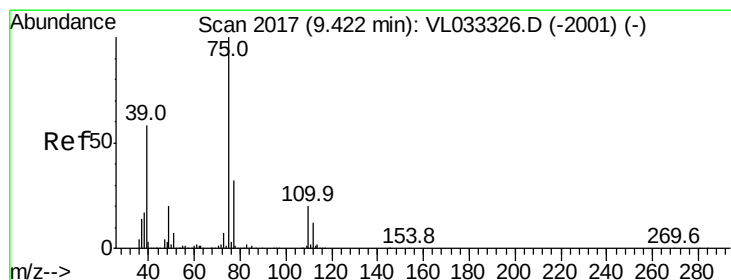
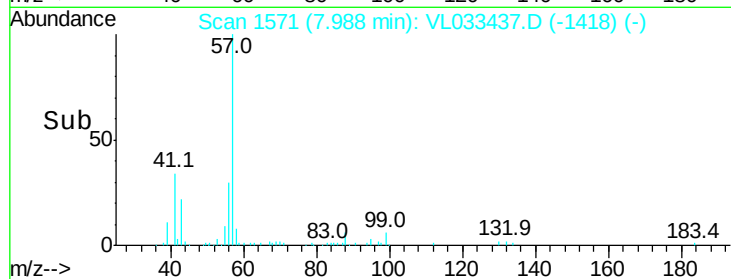
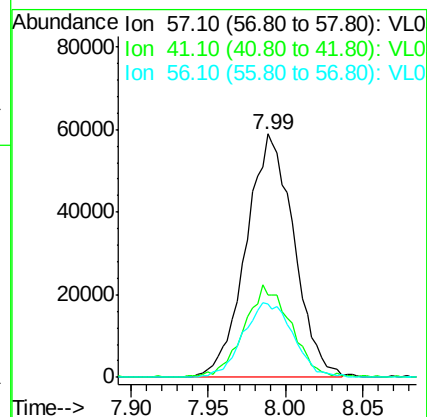
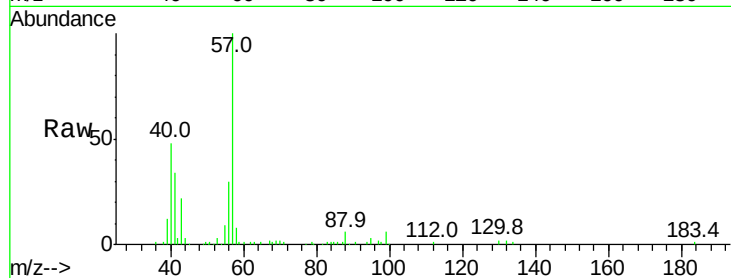




#44
 2,2,4-Trimethylpentane
 Concen: 0.458 ppbv
 RT: 7.99 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: VL033437.D
 Acq: 25 Mar 2019 12:25

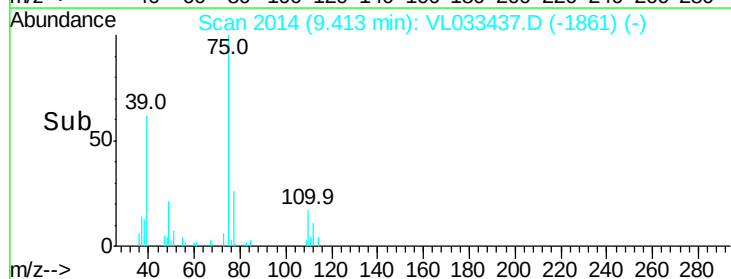
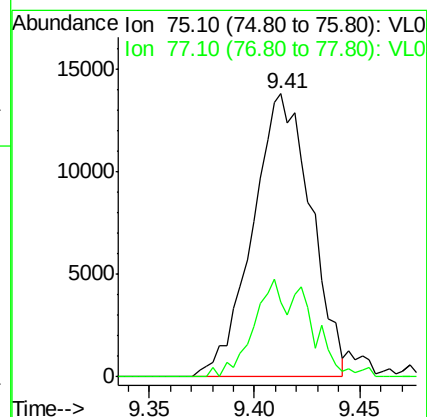
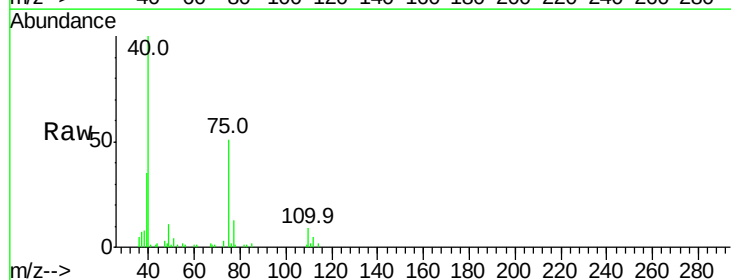
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

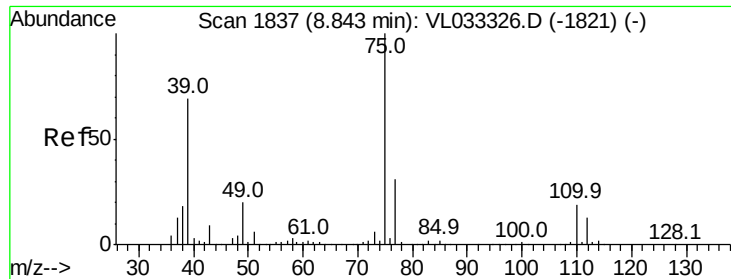
Tgt Ion: 57 Resp: 126517
 Ion Ratio Lower Upper
 57 100
 41 37.7 26.0 39.0
 56 32.3 24.6 36.8



#45
 t-1,3-Dichloropropene
 Concen: 0.331 ppbv
 RT: 9.41 min Scan# 2014
 Delta R.T. -0.01 min
 Lab File: VL033437.D
 Acq: 25 Mar 2019 12:25

Tgt Ion: 75 Resp: 26481
 Ion Ratio Lower Upper
 75 100
 77 27.6 25.5 38.3





#46

cis-1,3-Dichloropropene

Concen: 0.170 ppbv

RT: 8.83 min Scan# 1832

Delta R.T. -0.02 min

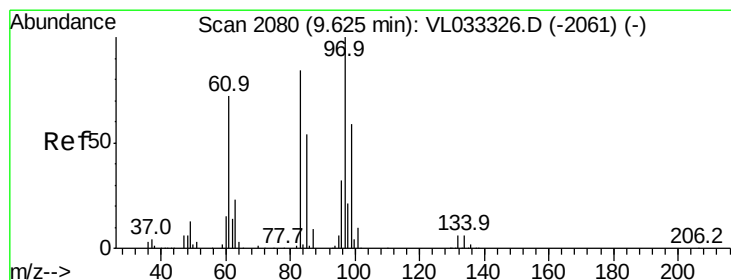
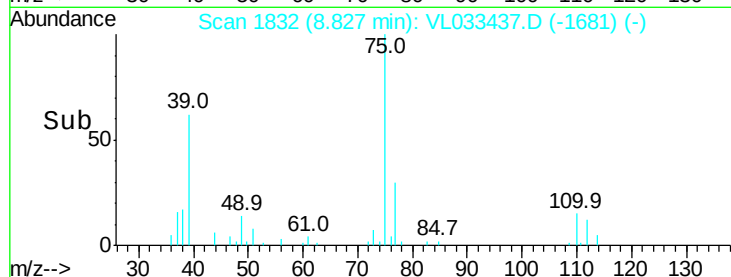
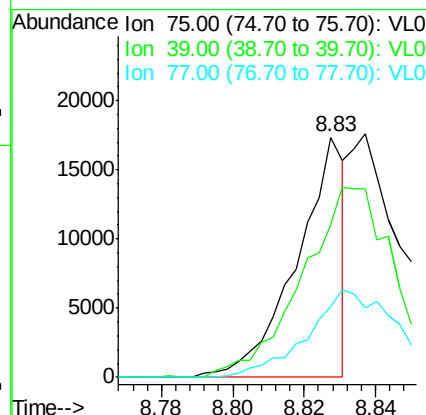
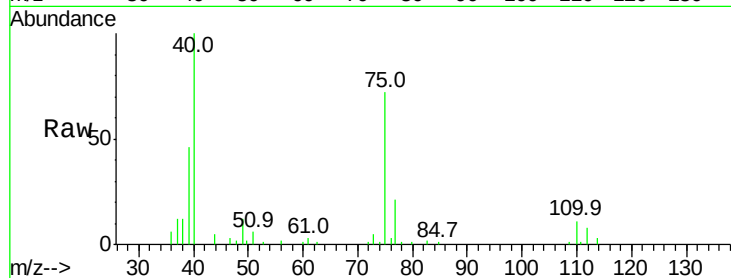
Lab File: VL033437.D

Acq: 25 Mar 2019 12:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 75 Resp: 15998

Ion	Ratio	Lower	Upper
75	100		
39	63.7	55.0	82.6
77	29.6	24.5	36.7



#47

1,1,2-Trichloroethane

Concen: 0.473 ppbv

RT: 9.61 min Scan# 2075

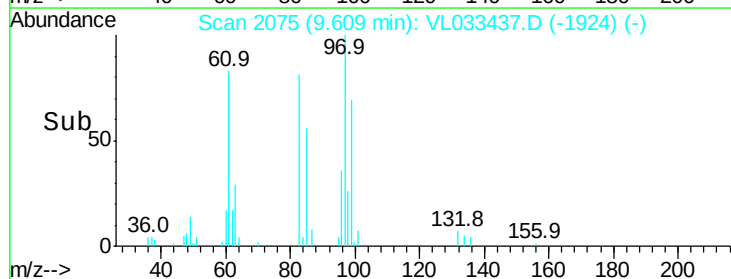
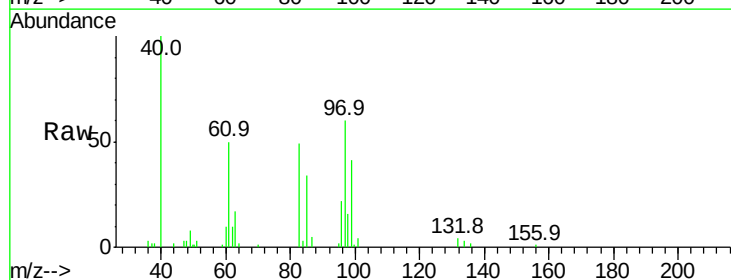
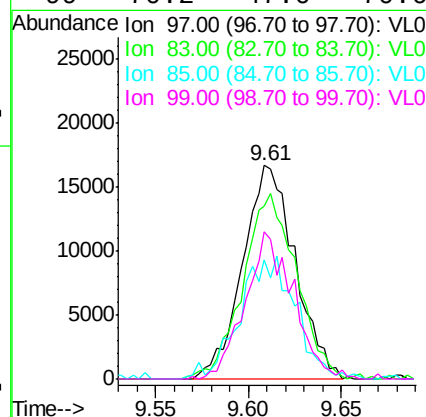
Delta R.T. -0.02 min

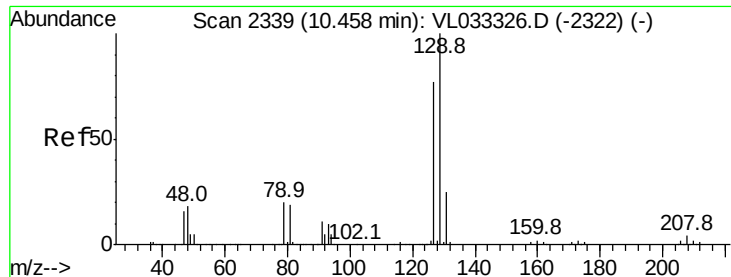
Lab File: VL033437.D

Acq: 25 Mar 2019 12:25

Tgt Ion: 97 Resp: 32599

Ion	Ratio	Lower	Upper
97	100		
83	79.8	67.4	101.0
85	54.1	43.0	64.4
99	70.2	47.0	70.6





#48

Dibromochloromethane

Concen: 0.408 ppbv

RT: 10.45 min Scan# 2337

Delta R.T. -0.01 min

Lab File: VL033437.D

Acq: 25 Mar 2019 12:25

Instrument :

MSVOA_L

ClientSampleId :

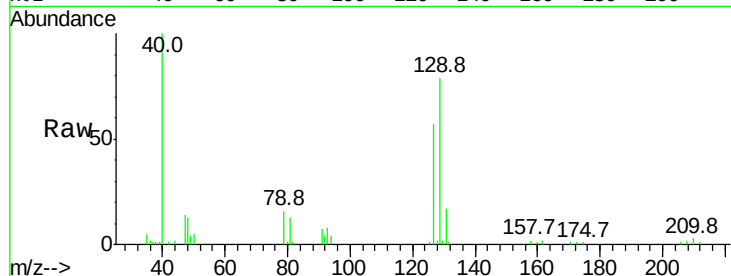
VSTDIC0.5

Tgt Ion:129 Resp: 47147

Ion Ratio Lower Upper

129 100

127 80.6 38.9 116.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

10.45

25000

20000

15000

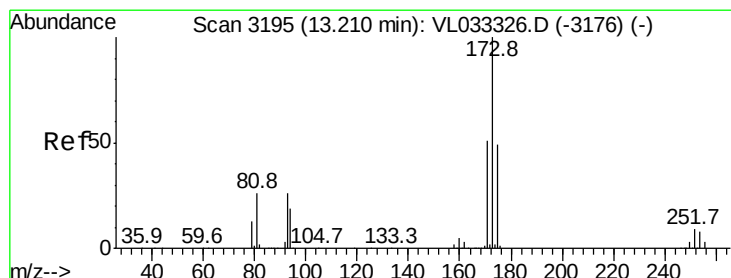
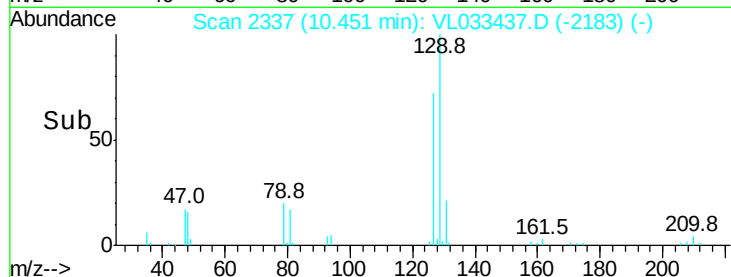
10000

5000

0

Time-->

10.40 10.45 10.50



#49

Bromoform

Concen: 0.366 ppbv

RT: 13.20 min Scan# 3192

Delta R.T. -0.01 min

Lab File: VL033437.D

Acq: 25 Mar 2019 12:25

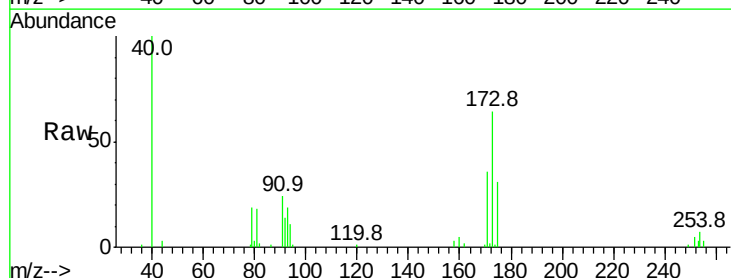
Tgt Ion:173 Resp: 40154

Ion Ratio Lower Upper

173 100

175 50.5 39.0 58.6

171 53.1 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

25000

20000

15000

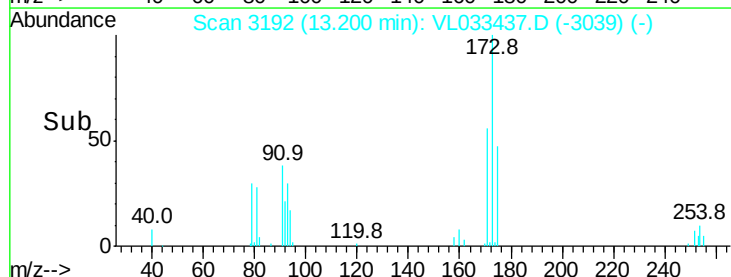
10000

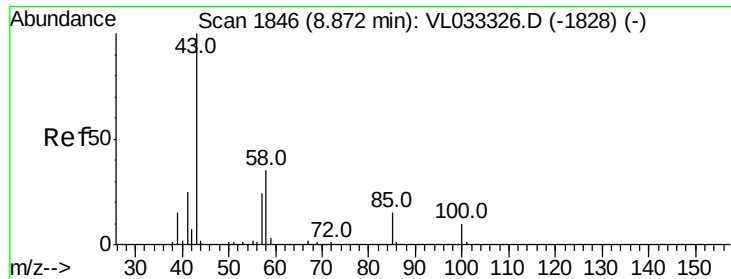
5000

0

Time-->

13.15 13.20 13.25

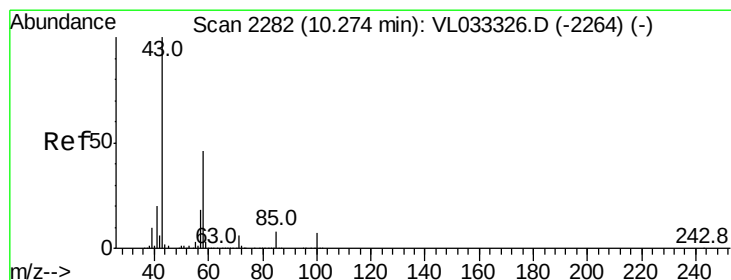
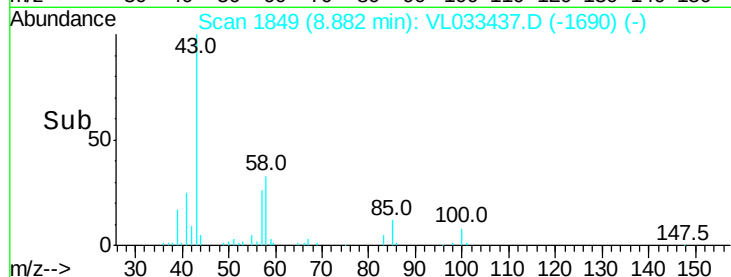
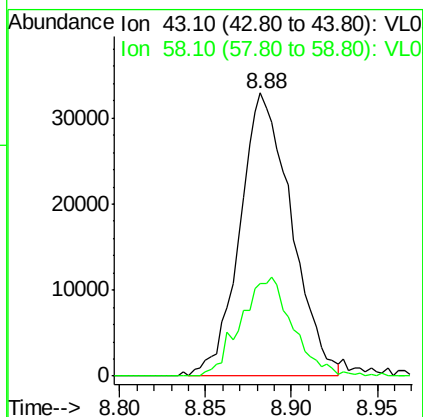
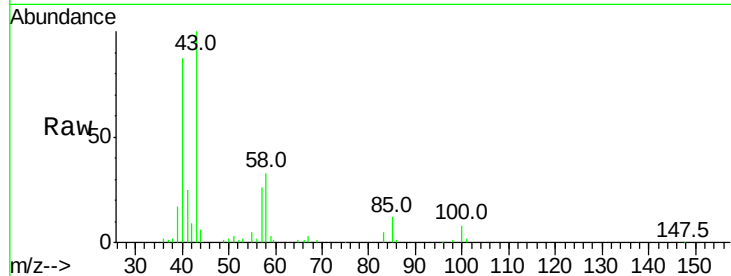




#50
 4-Methyl-2-Pentanone
 Concen: 0.395 ppbv
 RT: 8.88 min Scan# 1849
 Delta R.T. 0.01 min
 Lab File: VL033437.D
 Acq: 25 Mar 2019 12:25

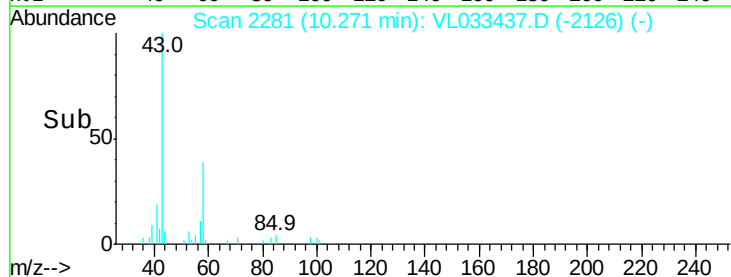
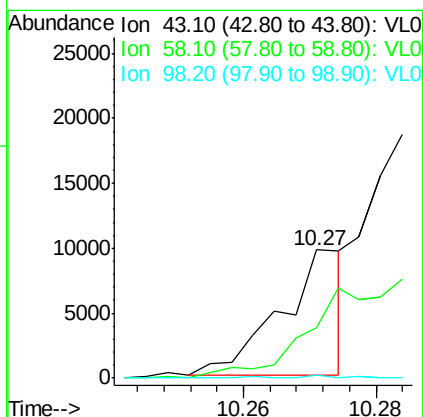
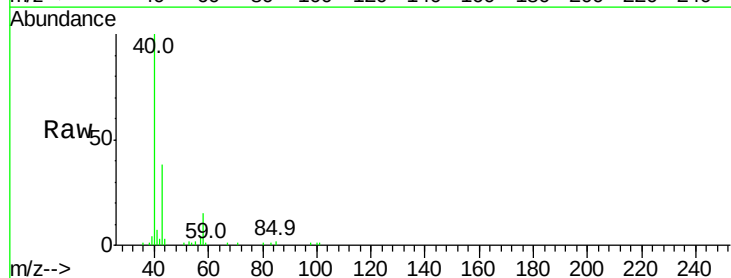
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

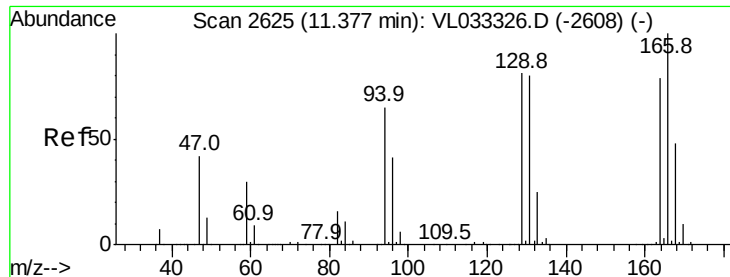
Tgt Ion: 43 Resp: 68305
 Ion Ratio Lower Upper
 43 100
 58 35.4 28.4 42.6



#51
 2-Hexanone
 Concen: 0.048 ppbv
 RT: 10.27 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VL033437.D
 Acq: 25 Mar 2019 12:25

Tgt Ion: 43 Resp: 6435
 Ion Ratio Lower Upper
 43 100
 58 0.0 38.0 57.0#
 98 0.0 0.1 0.1#





#52

Tetrachloroethene

Concen: 0.389 ppbv

RT: 11.37 min Scan# 2623

Delta R.T. -0.01 min

Lab File: VL033437.D

Acq: 25 Mar 2019 12:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:164 Resp: 26979

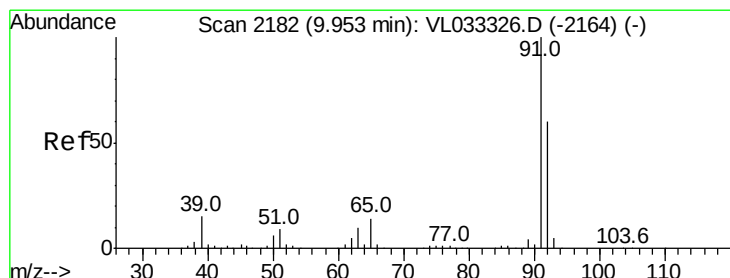
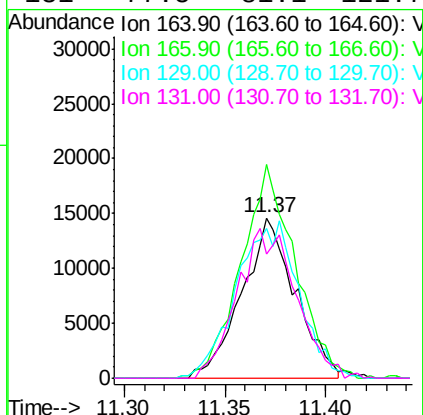
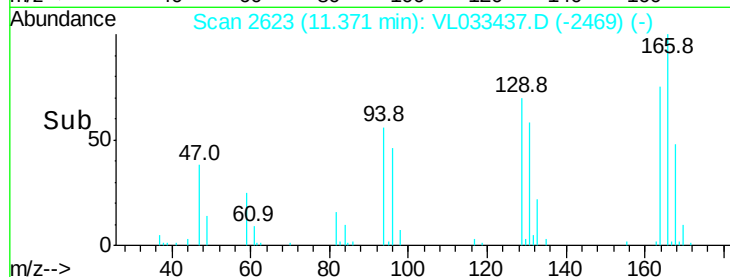
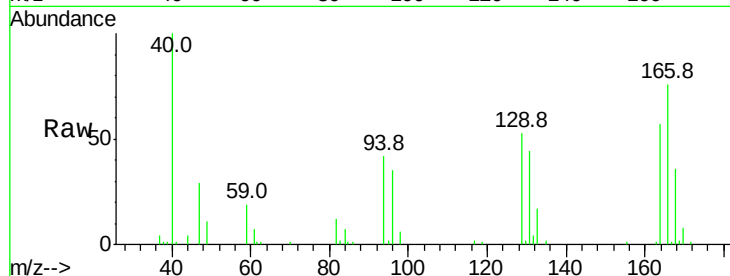
Ion Ratio Lower Upper

164 100

166 133.6 101.5 152.3

129 91.7 82.2 123.2

131 77.5 81.1 121.7#



#53

Toluene

Concen: 0.374 ppbv

RT: 9.95 min Scan# 2181

Delta R.T. -0.00 min

Lab File: VL033437.D

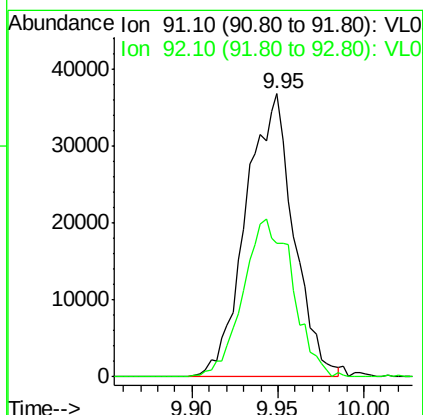
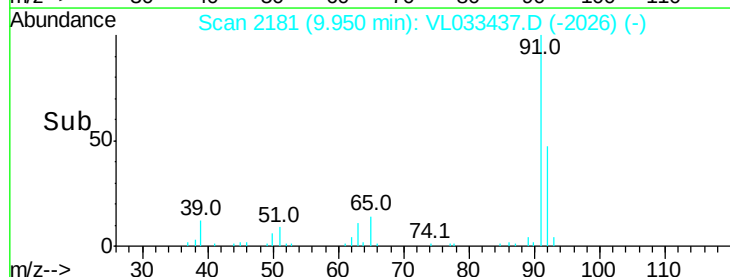
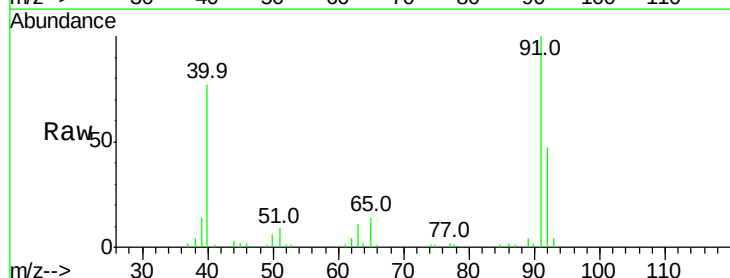
Acq: 25 Mar 2019 12:25

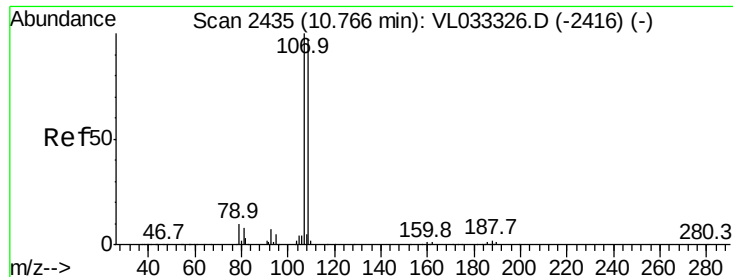
Tgt Ion: 91 Resp: 70871

Ion Ratio Lower Upper

91 100

92 57.9 47.4 71.0





#54

1,2-Dibromoethane

Concen: 0.255 ppbv

RT: 10.76 min Scan# 2432

Delta R.T. -0.01 min

Lab File: VL033437.D

Acq: 25 Mar 2019 12:25

Instrument :

MSVOA_L

ClientSampleId :

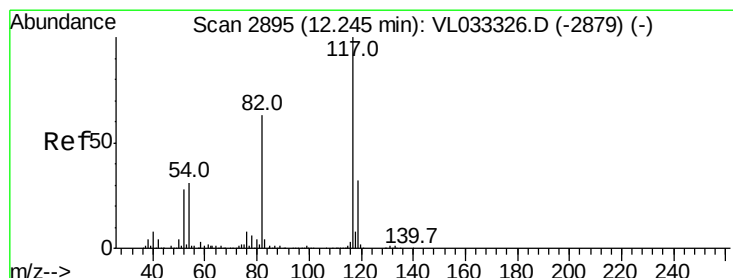
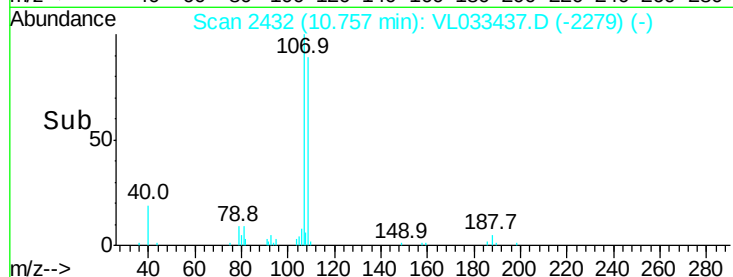
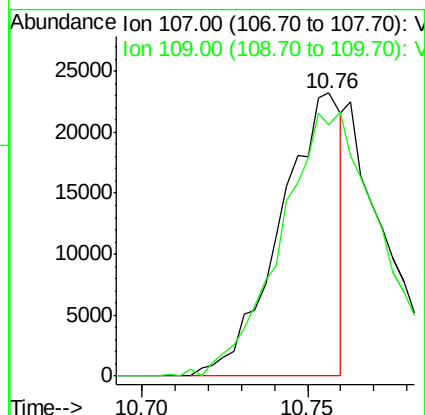
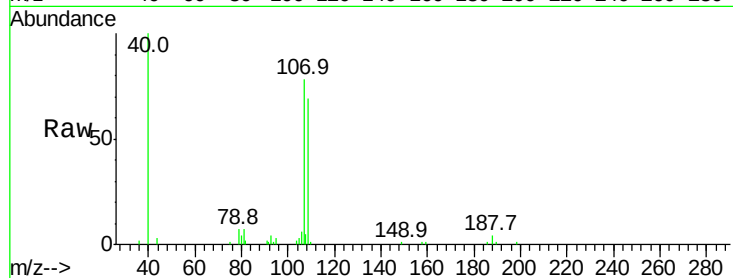
VSTDIC0.5

Tgt Ion:107 Resp: 29673

Ion Ratio Lower Upper

107 100

109 81.6 77.2 115.8



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.24 min Scan# 2892

Delta R.T. -0.01 min

Lab File: VL033437.D

Acq: 25 Mar 2019 12:25

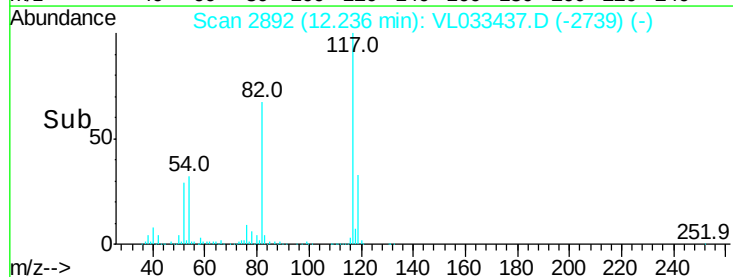
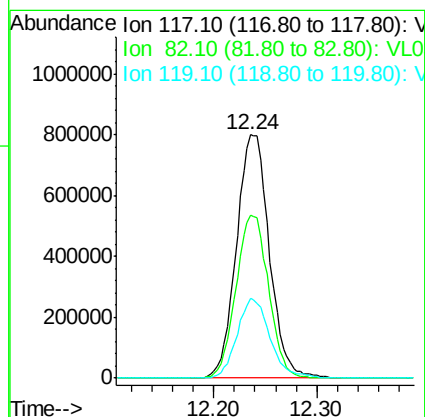
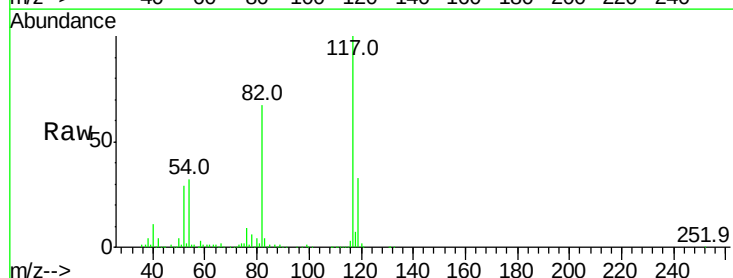
Tgt Ion:117 Resp: 1775316

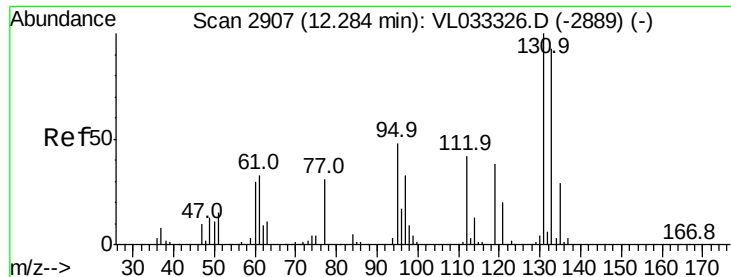
Ion Ratio Lower Upper

117 100

82 66.5 53.4 80.2

119 32.7 27.3 40.9

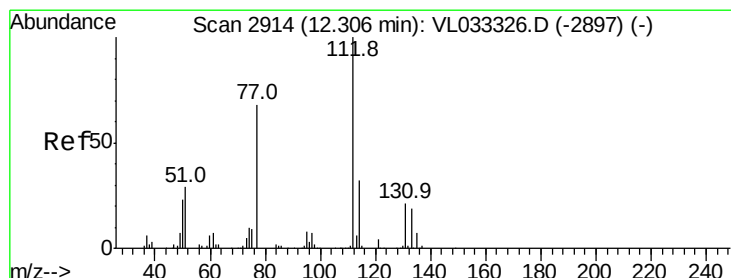
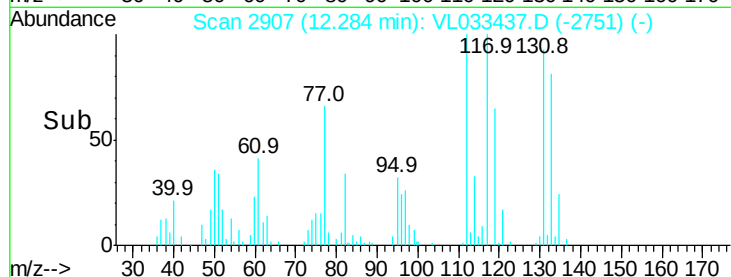
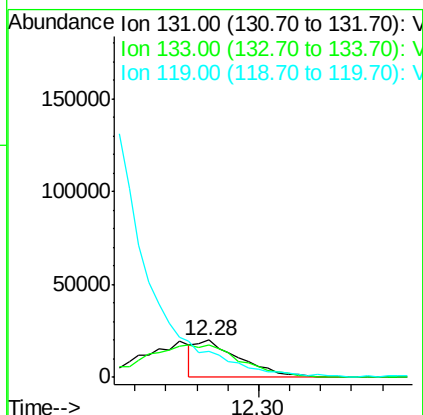
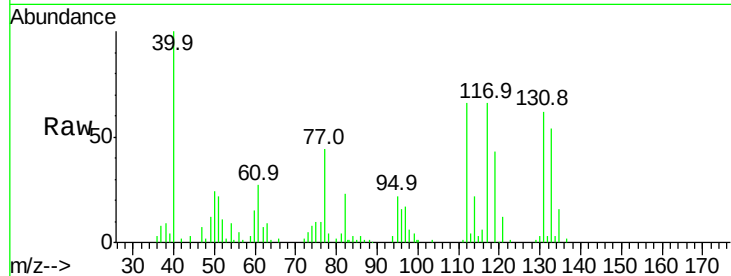




#56
 1,1,1,2-Tetrachloroethane
 Concen: 0.253 ppbv
 RT: 12.28 min Scan# 2907
 Delta R.T. 0.00 min
 Lab File: VL033437.D
 Acq: 25 Mar 2019 12:25

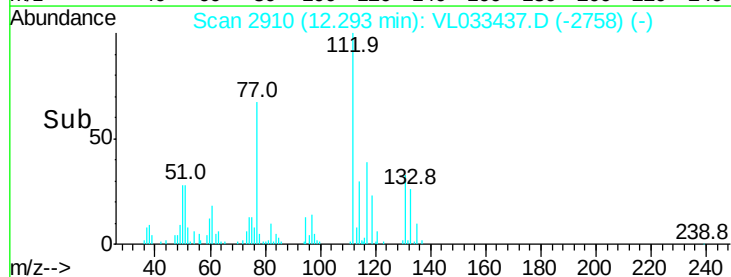
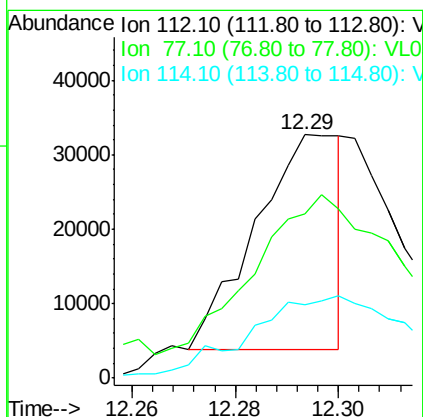
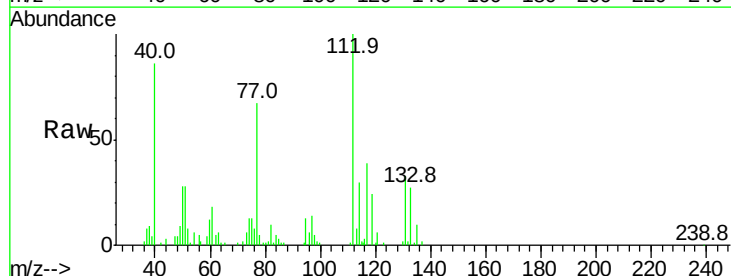
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

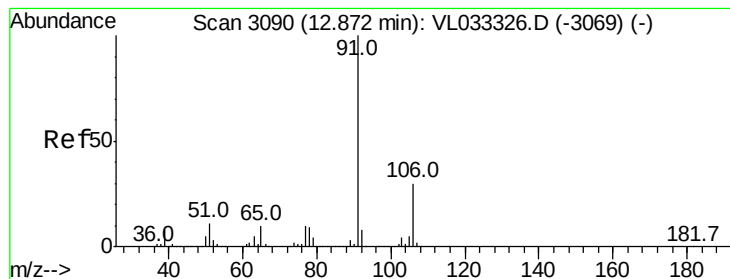
Tgt Ion:131 Resp: 20108
 Ion Ratio Lower Upper
 131 100
 133 194.0 76.7 115.1#
 119 0.0 40.3 60.5#



#57
 Chlorobenzene
 Concen: 0.235 ppbv
 RT: 12.29 min Scan# 2910
 Delta R.T. -0.01 min
 Lab File: VL033437.D
 Acq: 25 Mar 2019 12:25

Tgt Ion:112 Resp: 33027
 Ion Ratio Lower Upper
 112 100
 77 61.4 55.8 83.6
 114 30.9 28.6 35.0





#58

Ethyl Benzene

Concen: 0.420 ppbv

RT: 12.86 min Scan# 3087

Delta R.T. -0.01 min

Lab File: VL033437.D

Acq: 25 Mar 2019 12:25

Instrument :

MSVOA_L

ClientSampleId :

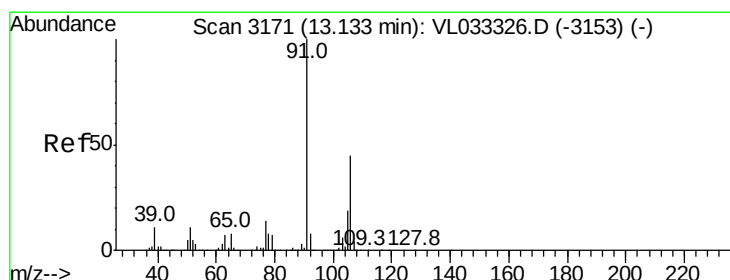
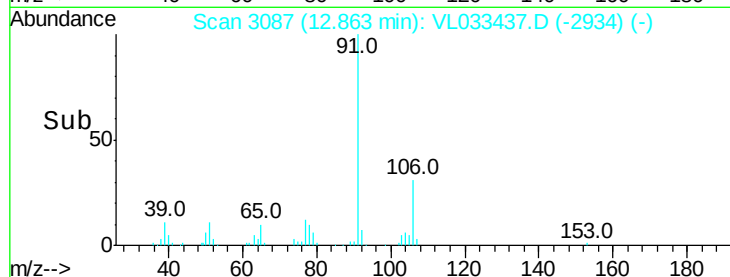
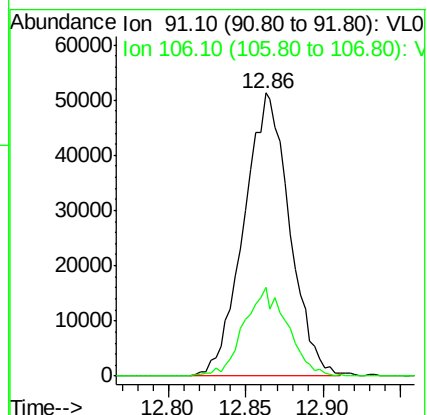
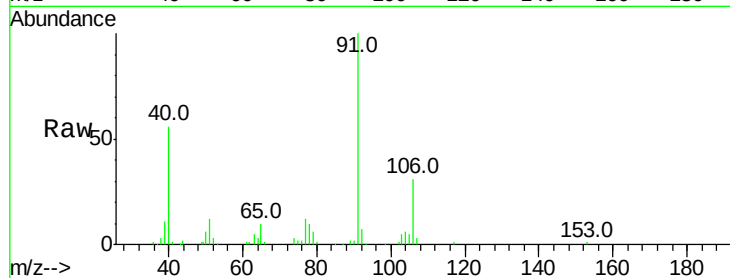
VSTDIC0.5

Tgt Ion: 91 Resp: 105578

Ion Ratio Lower Upper

91 100

106 31.4 24.2 36.2



#59

m/p-Xylene

Concen: 0.289 ppbv

RT: 13.12 min Scan# 3167

Delta R.T. -0.01 min

Lab File: VL033437.D

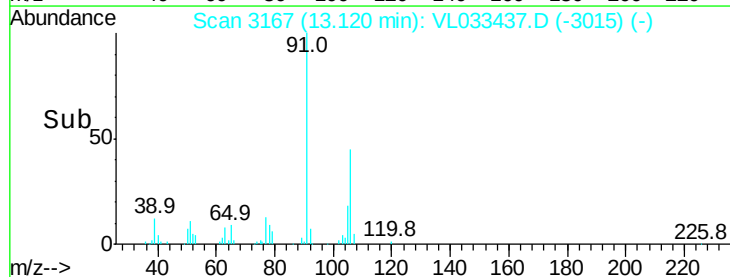
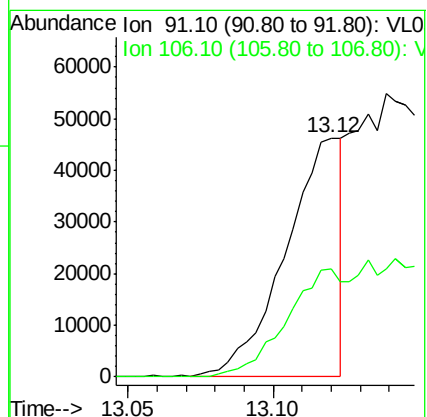
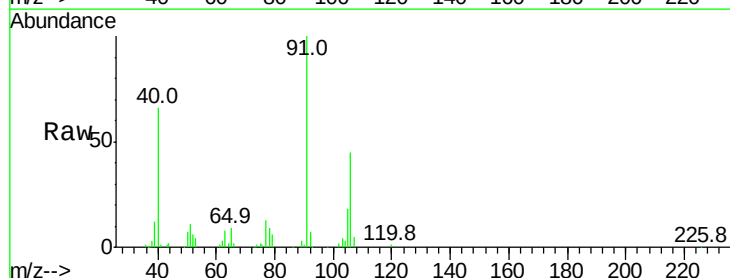
Acq: 25 Mar 2019 12:25

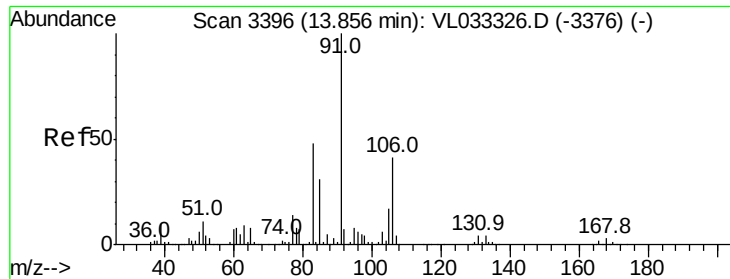
Tgt Ion: 91 Resp: 62473

Ion Ratio Lower Upper

91 100

106 0.0 0.0 0.0

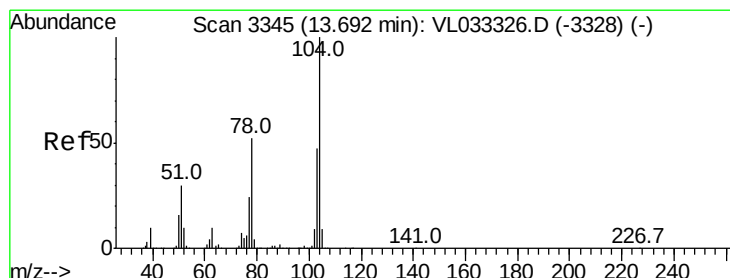
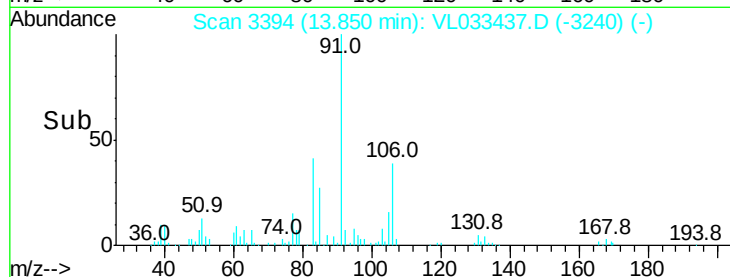
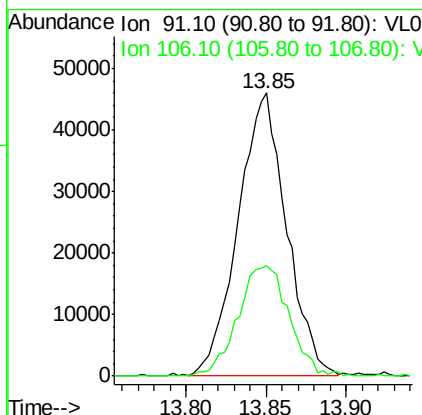
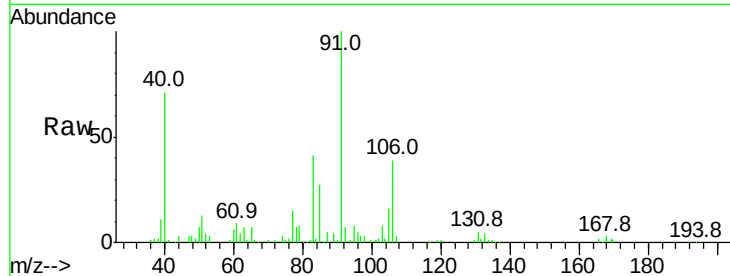




#60
o-Xylene
Concen: 0.452 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. -0.01 min
Lab File: VL033437.D
Acq: 25 Mar 2019 12:25

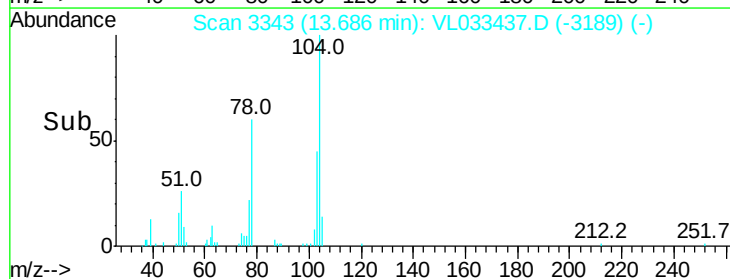
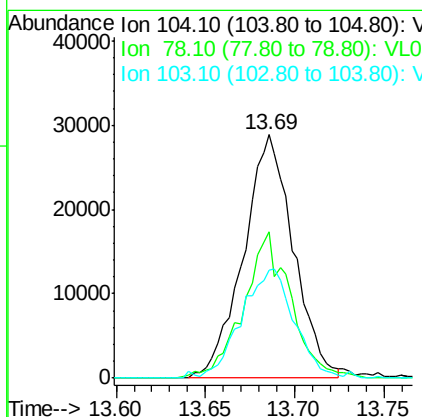
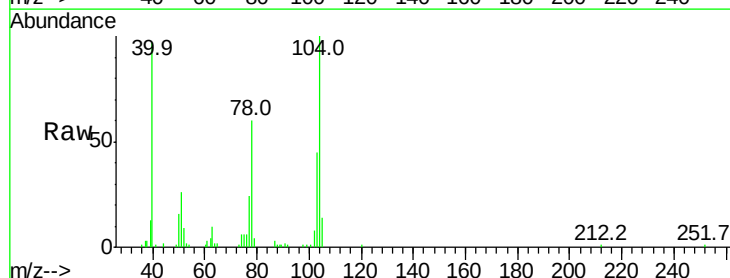
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

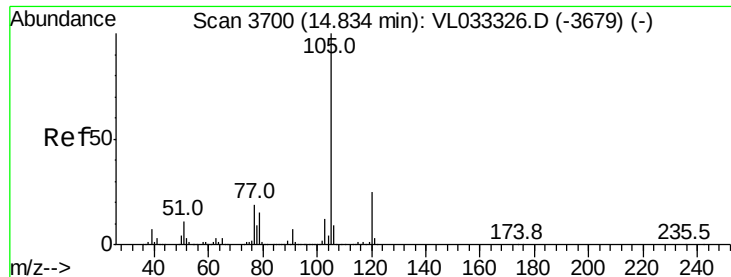
Tgt Ion: 91 Resp: 95277
Ion Ratio Lower Upper
91 100
106 41.2 21.3 63.9



#61
Styrene
Concen: 0.384 ppbv
RT: 13.69 min Scan# 3343
Delta R.T. -0.01 min
Lab File: VL033437.D
Acq: 25 Mar 2019 12:25

Tgt Ion: 104 Resp: 56564
Ion Ratio Lower Upper
104 100
78 56.6 42.7 64.1
103 47.7 38.0 57.0





#62

Isopropylbenzene

Concen: 0.473 ppbv

RT: 14.83 min Scan# 3698

Delta R.T. -0.01 min

Lab File: VL033437.D

Acq: 25 Mar 2019 12:25

Instrument :

MSVOA_L

ClientSampleId :

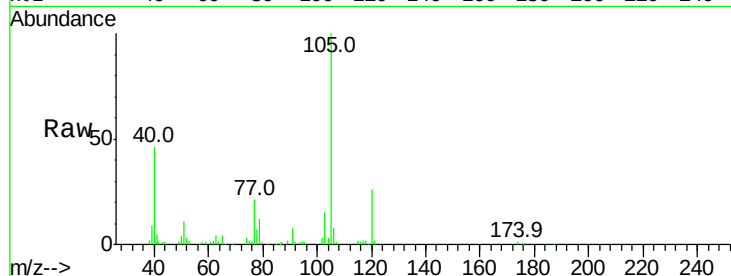
VSTDIC0.5

Tgt Ion: 105 Resp: 138468

Ion Ratio Lower Upper

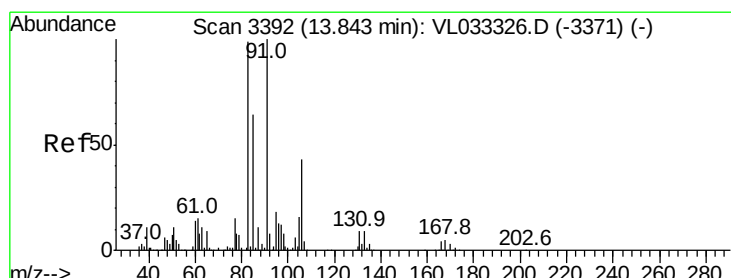
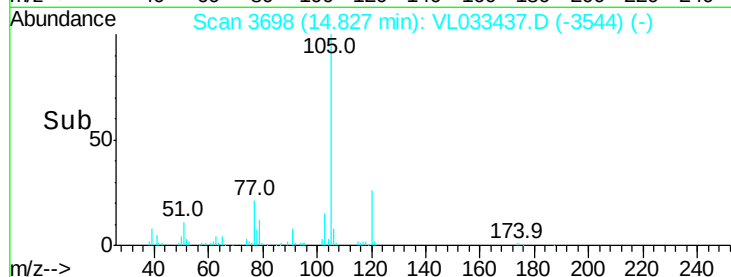
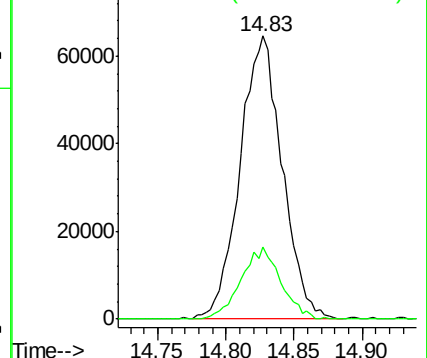
105 100

120 24.0 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: 0.511 ppbv

RT: 13.83 min Scan# 3388

Delta R.T. -0.01 min

Lab File: VL033437.D

Acq: 25 Mar 2019 12:25

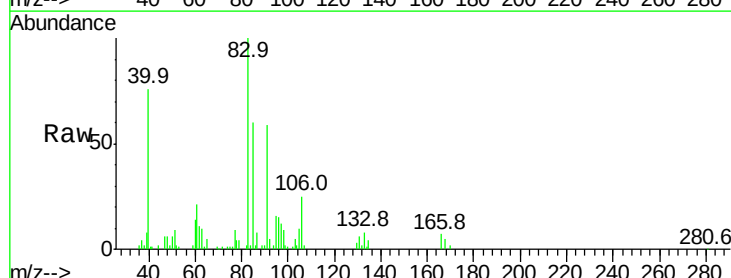
Tgt Ion: 83 Resp: 77734

Ion Ratio Lower Upper

83 100

131 10.5 4.7 14.0

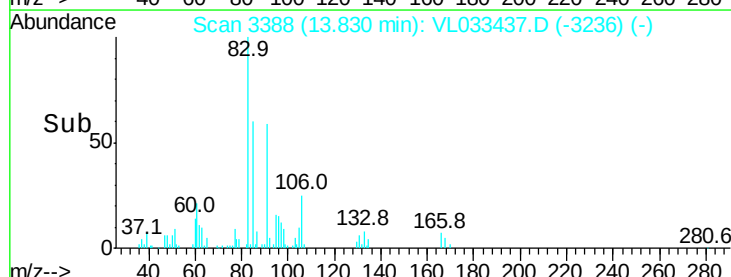
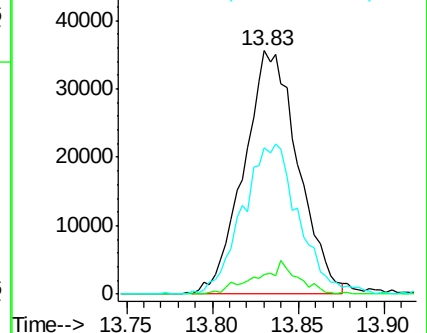
85 64.3 32.5 97.4

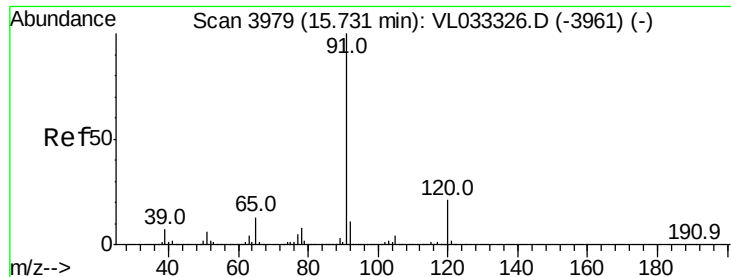


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0

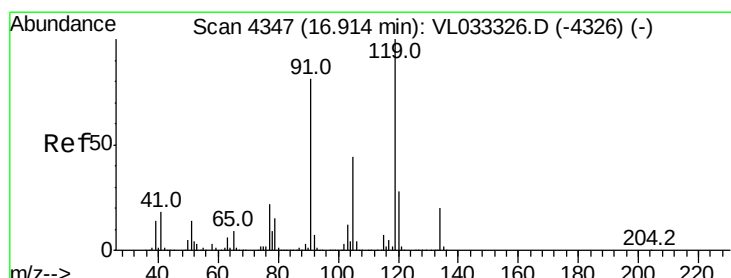
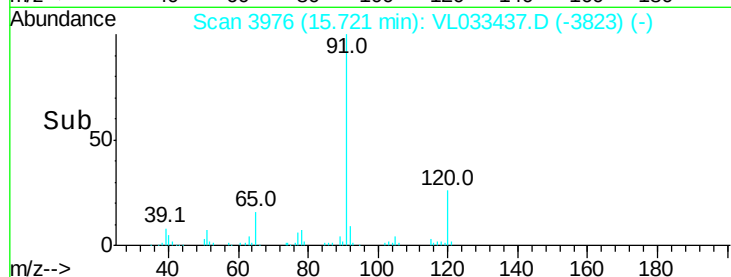
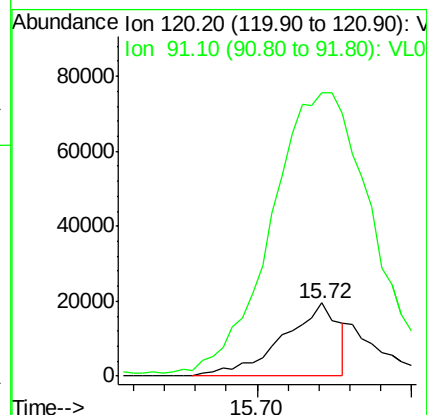
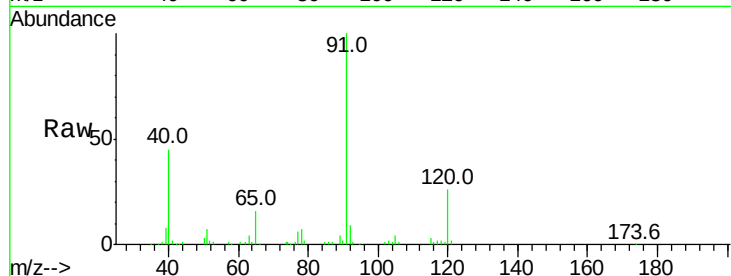




#64
n-propylbenzene
Concen: 0.329 ppbv
RT: 15.72 min Scan# 3976
Delta R.T. -0.01 min
Lab File: VL033437.D
Acq: 25 Mar 2019 12:25

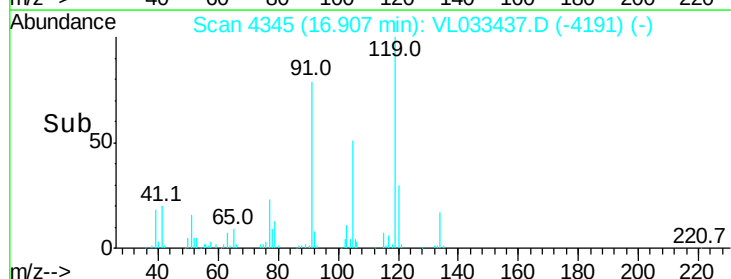
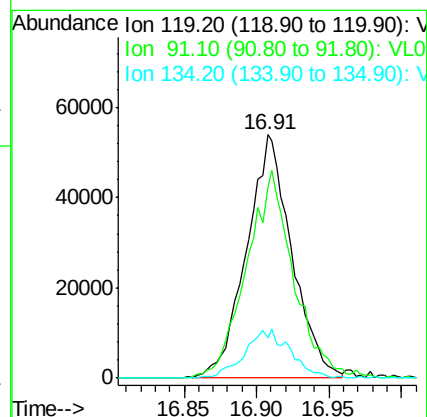
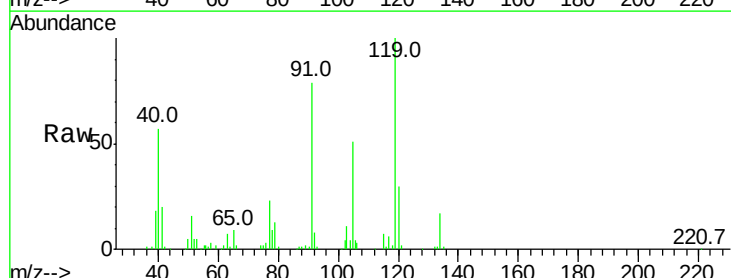
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

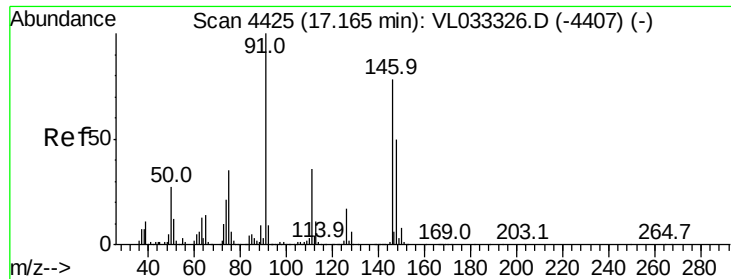
Tgt Ion:120 Resp: 24385
Ion Ratio Lower Upper
120 100
91 701.3 389.8 584.6#



#65
tert-Butylbenzene
Concen: 0.444 ppbv
RT: 16.91 min Scan# 4345
Delta R.T. -0.01 min
Lab File: VL033437.D
Acq: 25 Mar 2019 12:25

Tgt Ion:119 Resp: 117032
Ion Ratio Lower Upper
119 100
91 88.8 67.2 100.8
134 20.0 15.4 23.2

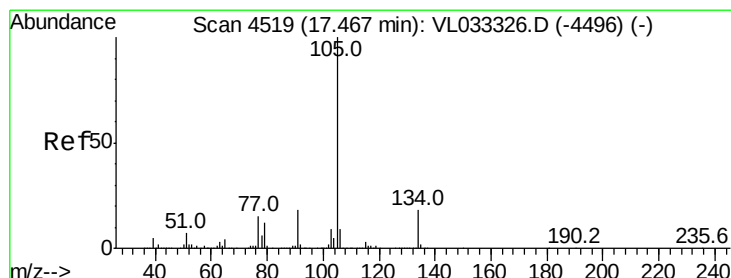
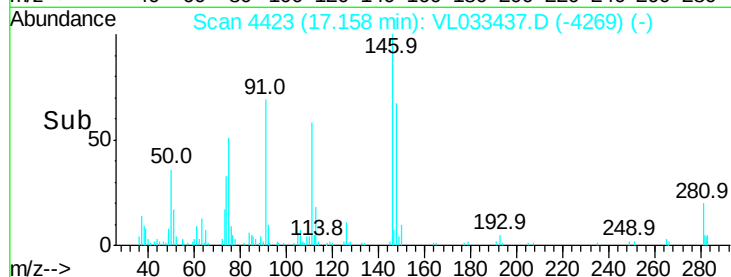
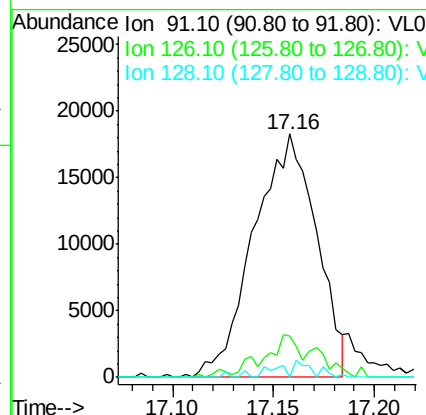
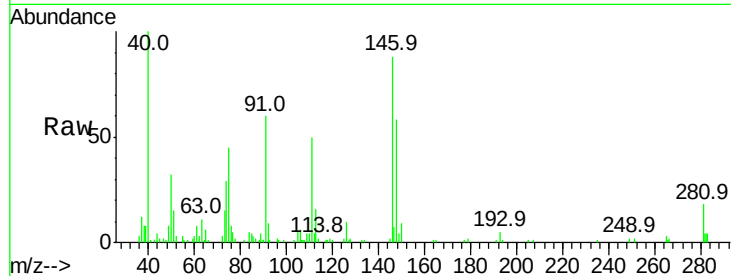




#66
Benzyl Chloride
Concen: 0.361 ppbv
RT: 17.16 min Scan# 4423
Delta R.T. -0.01 min
Lab File: VL033437.D
Acq: 25 Mar 2019 12:25

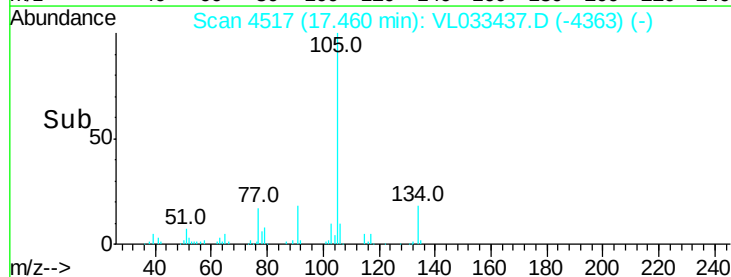
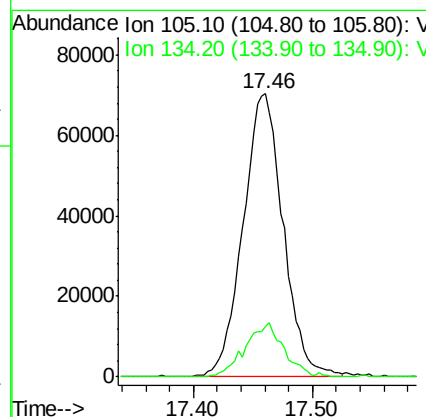
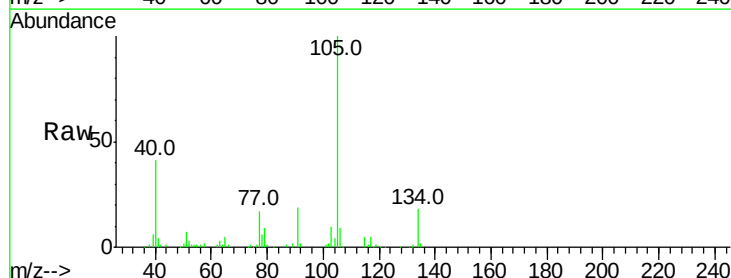
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

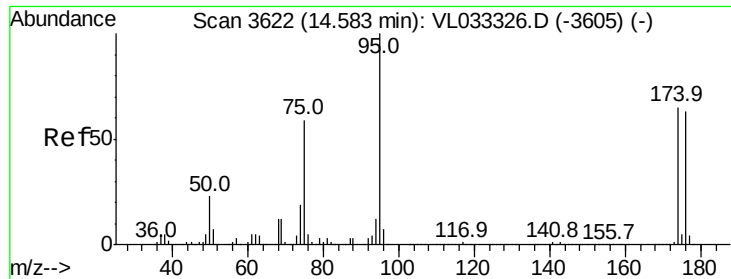
Tgt Ion: 91 Resp: 39366
Ion Ratio Lower Upper
91 100
126 14.8 13.2 19.8
128 3.7 4.2 6.4#



#67
sec-Butylbenzene
Concen: 0.439 ppbv
RT: 17.46 min Scan# 4517
Delta R.T. -0.01 min
Lab File: VL033437.D
Acq: 25 Mar 2019 12:25

Tgt Ion: 105 Resp: 164098
Ion Ratio Lower Upper
105 100
134 18.5 14.2 21.4

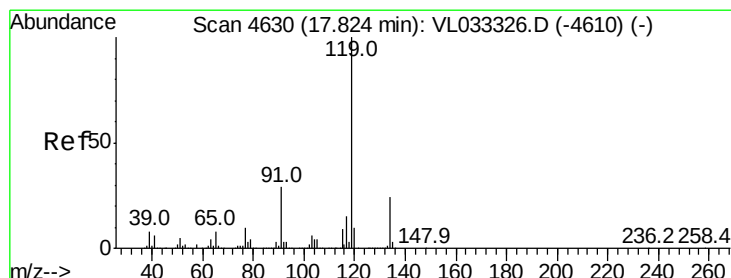
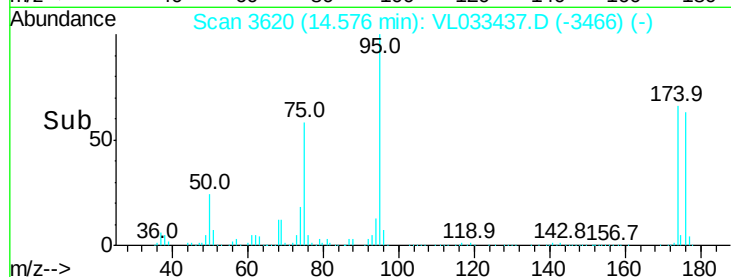
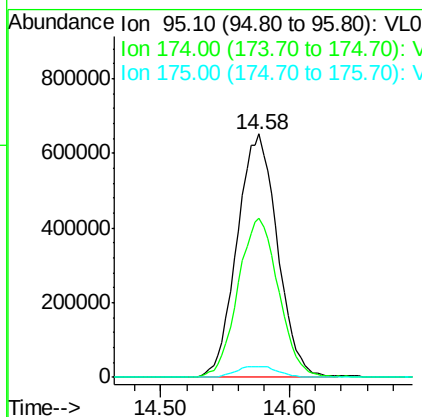
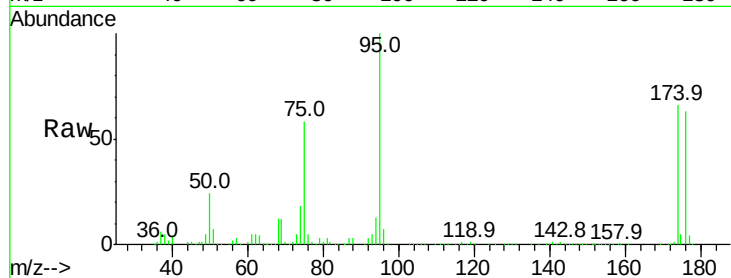




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.765 ppbv
 RT: 14.58 min Scan# 3620
 Delta R.T. -0.01 min
 Lab File: VL033437.D
 Acq: 25 Mar 2019 12:25

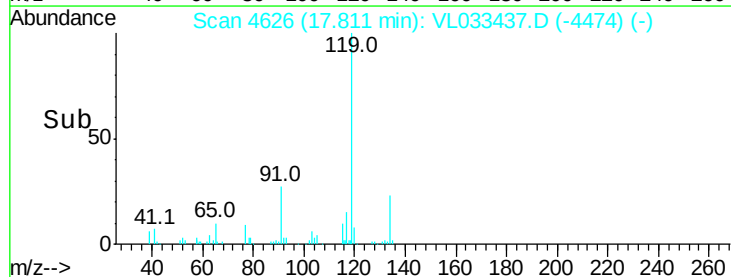
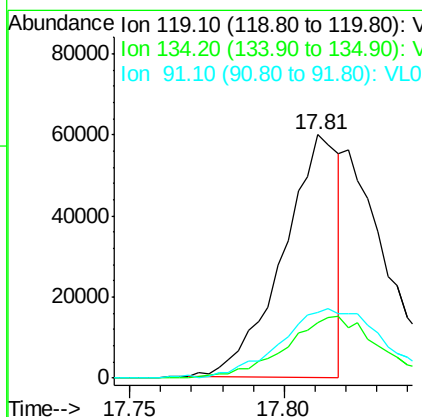
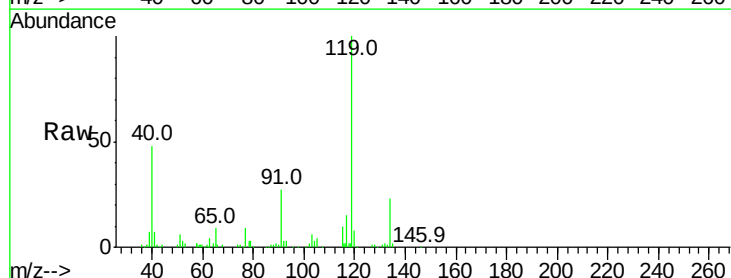
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

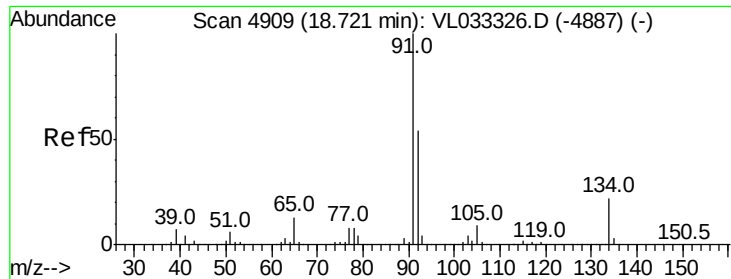
Tgt Ion: 95 Resp: 1416133
 Ion Ratio Lower Upper
 95 100
 174 66.1 51.5 77.3
 175 4.8 3.8 5.6



#69
 p-Isopropyltoluene
 Concen: 0.244 ppbv
 RT: 17.81 min Scan# 4626
 Delta R.T. -0.01 min
 Lab File: VL033437.D
 Acq: 25 Mar 2019 12:25

Tgt Ion: 119 Resp: 74449
 Ion Ratio Lower Upper
 119 100
 134 0.0 19.8 29.6#
 91 0.0 23.4 35.2#





#70

n-Butylbenzene

Concen: 0.203 ppbv

RT: 18.71 min Scan# 4906

Delta R.T. -0.01 min

Lab File: VL033437.D

Acq: 25 Mar 2019 12:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

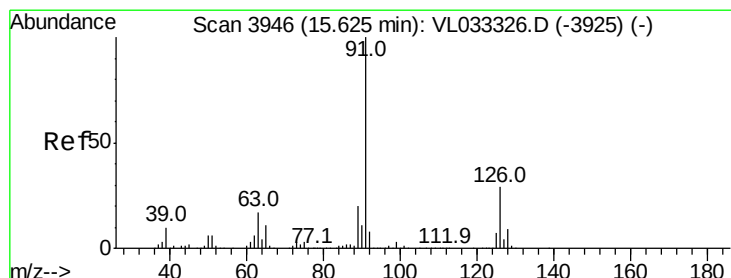
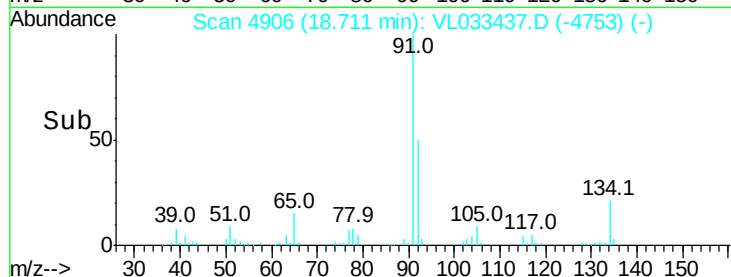
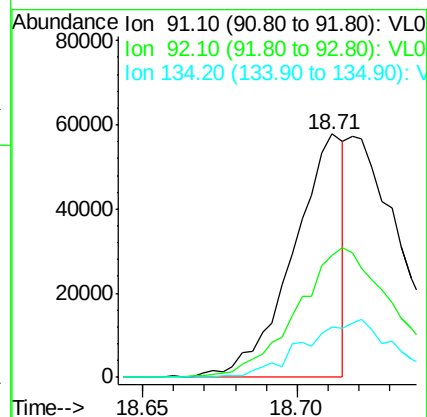
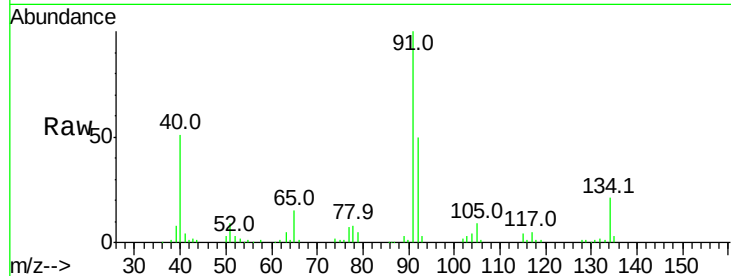
Tgt Ion: 91 Resp: 65962

Ion Ratio Lower Upper

91 100

92 0.0 42.8 64.2#

134 0.0 17.4 26.0#



#71

2-Chlorotoluene

Concen: 0.219 ppbv

RT: 15.61 min Scan# 3942

Delta R.T. -0.01 min

Lab File: VL033437.D

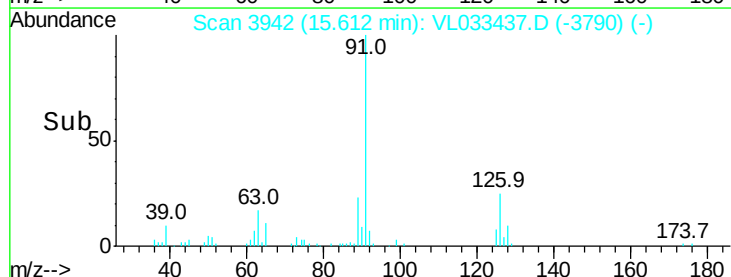
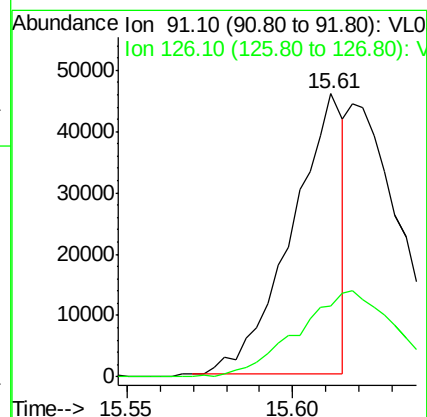
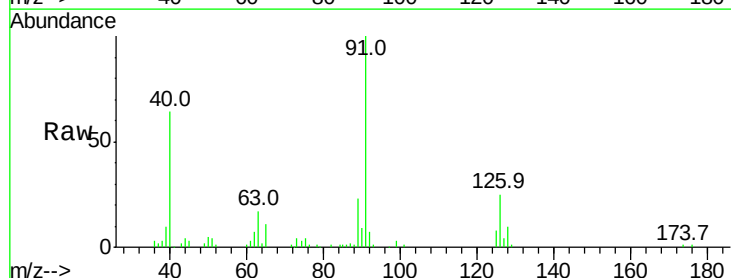
Acq: 25 Mar 2019 12:25

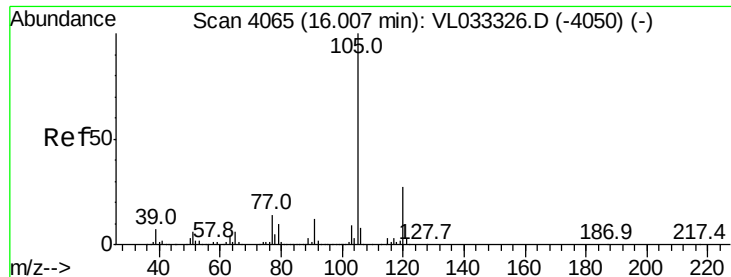
Tgt Ion: 91 Resp: 49973

Ion Ratio Lower Upper

91 100

126 0.0 11.6 46.6#





#72

4-Ethyltoluene

Concen: 0.422 ppbv

RT: 16.00 min Scan# 4063

Delta R.T. -0.01 min

Lab File: VL033437.D

Acq: 25 Mar 2019 12:25

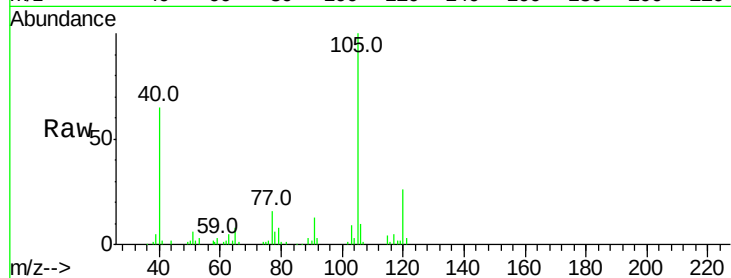
Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:	105	Resp:	100837
Ion	Ratio	Lower	Upper
105	100		
120	28.4	22.9	34.3
91	14.2	10.2	15.2
77	15.0	11.1	16.7

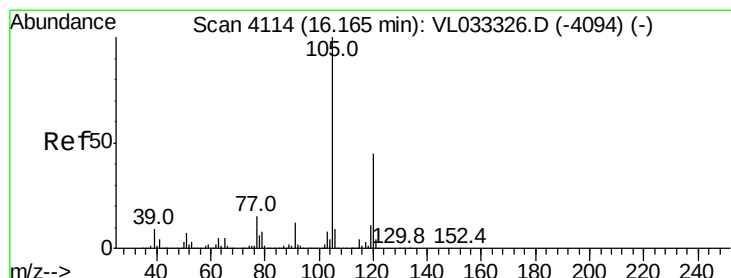
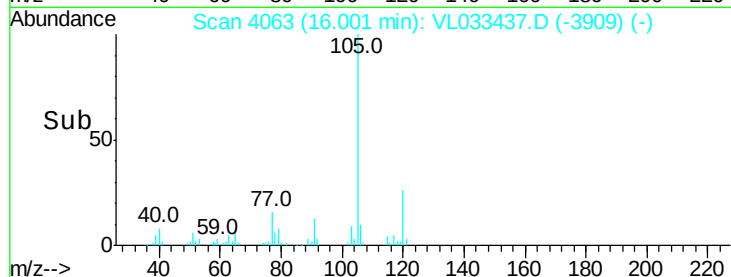
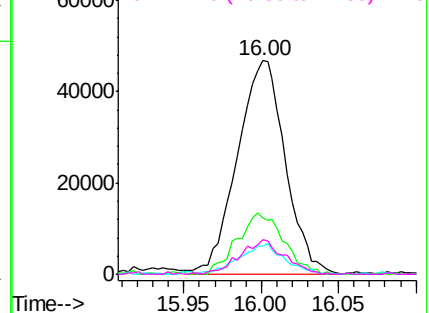


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.418 ppbv

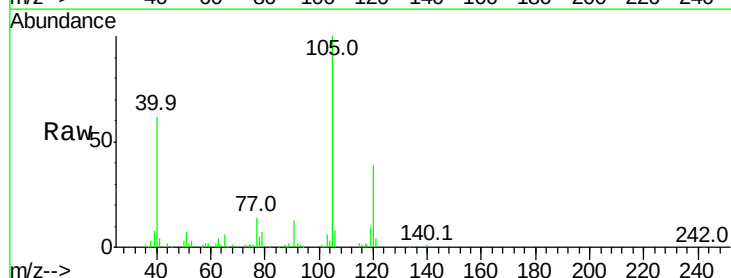
RT: 16.16 min Scan# 4111

Delta R.T. -0.01 min

Lab File: VL033437.D

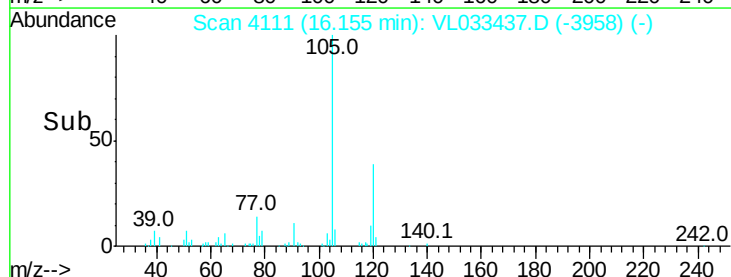
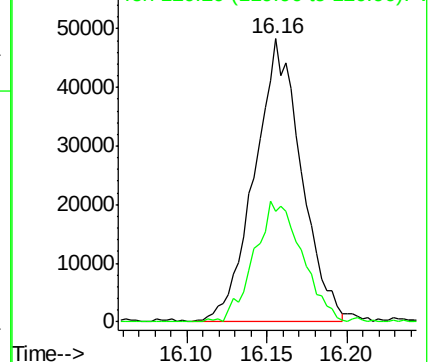
Acq: 25 Mar 2019 12:25

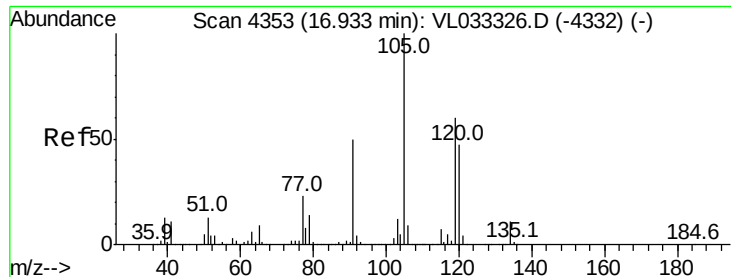
Tgt Ion:	105	Resp:	97266
Ion	Ratio	Lower	Upper
105	100		
120	42.6	36.2	54.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#74

1,2,4-Trimethylbenzene

Concen: 0.447 ppbv

RT: 16.93 min Scan# 4351

Delta R.T. -0.01 min

Lab File: VL033437.D

Acq: 25 Mar 2019 12:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:105 Resp: 110273

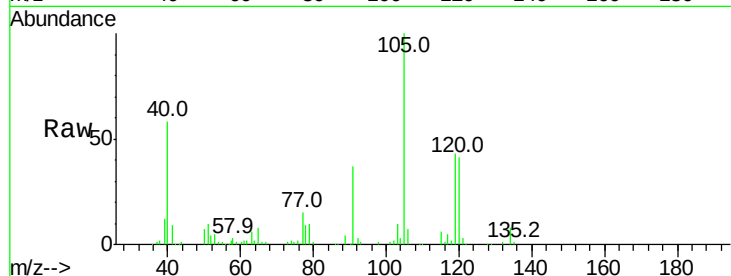
Ion Ratio Lower Upper

105 100

120 40.4 37.4 56.2

91 35.4 41.0 61.4#

77 14.1 18.5 27.7#



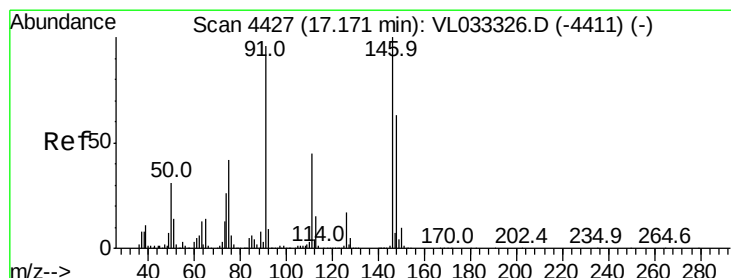
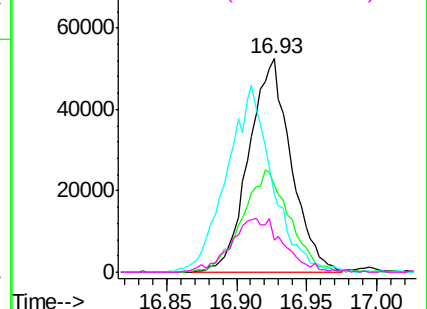
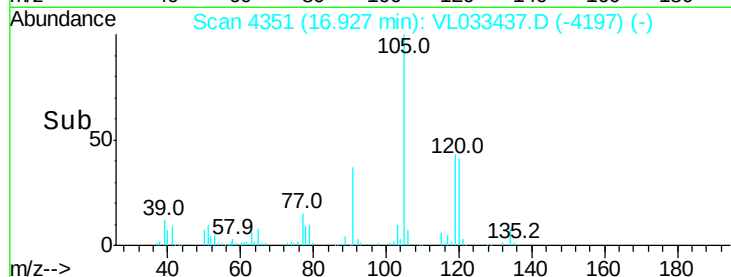
Abundance

Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#75

1,3-Dichlorobenzene

Concen: 0.268 ppbv

RT: 17.16 min Scan# 4424

Delta R.T. -0.01 min

Lab File: VL033437.D

Acq: 25 Mar 2019 12:25

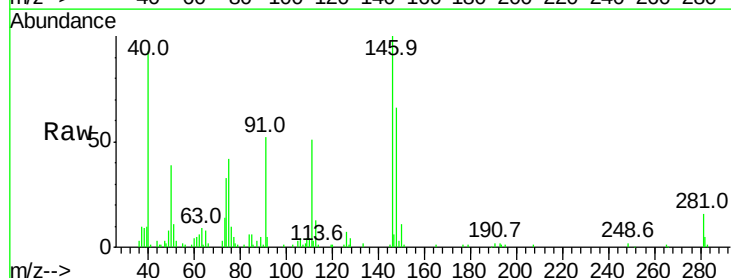
Tgt Ion:146 Resp: 38967

Ion Ratio Lower Upper

146 100

111 93.3 22.8 68.3#

148 123.2 31.9 95.7#

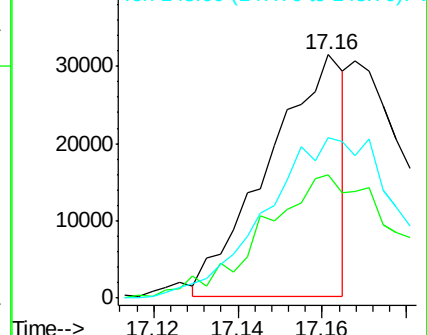
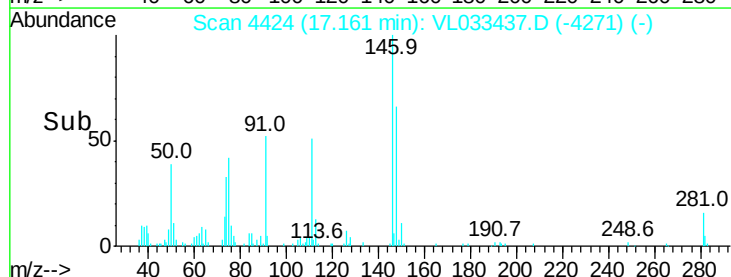


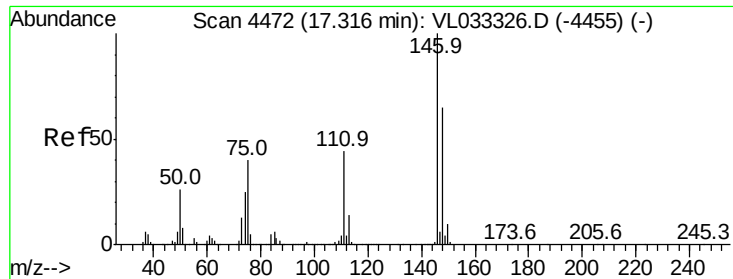
Abundance

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

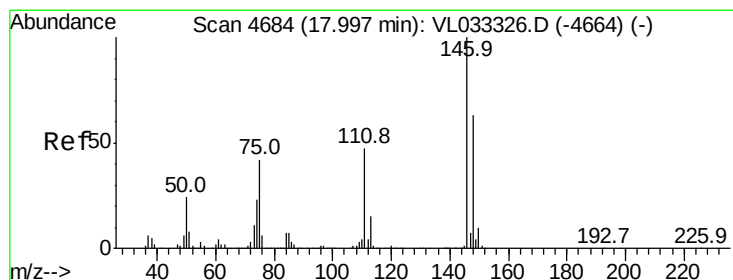
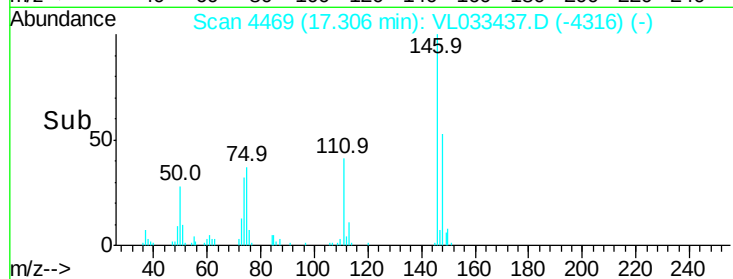
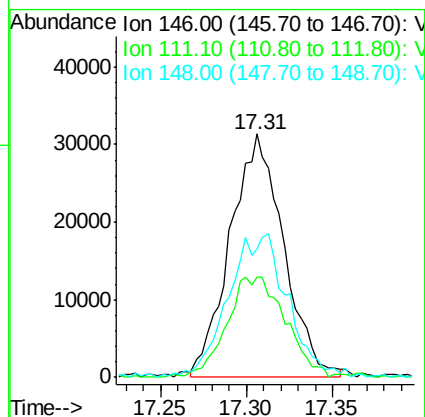
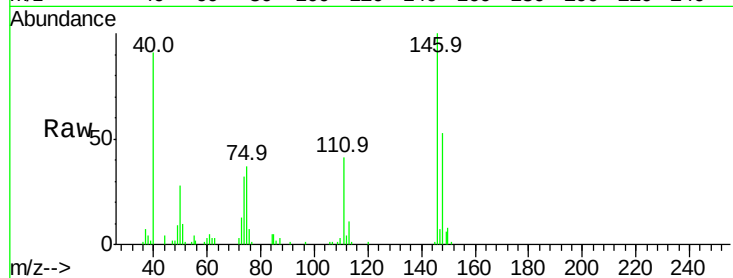




#76
 1,4-Dichlorobenzene
 Concen: 0.481 ppbv
 RT: 17.31 min Scan# 4469
 Delta R.T. -0.01 min
 Lab File: VL033437.D
 Acq: 25 Mar 2019 12:25

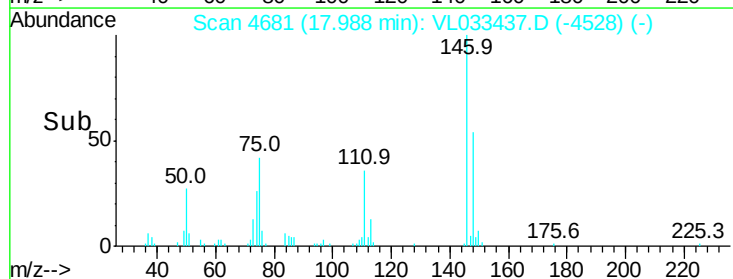
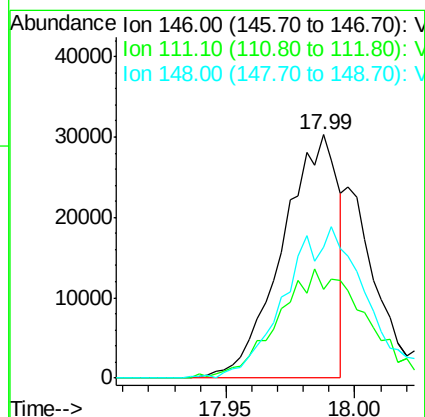
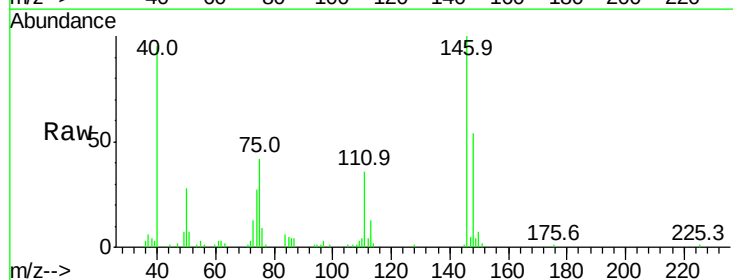
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

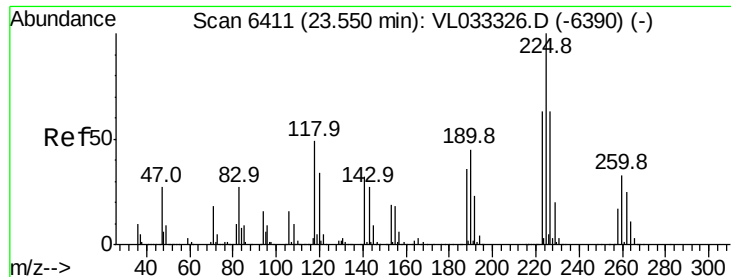
Tgt Ion:146 Resp: 67690
 Ion Ratio Lower Upper
 146 100
 111 46.3 21.9 65.7
 148 66.4 32.1 96.5



#77
 1,2-Dichlorobenzene
 Concen: 0.330 ppbv
 RT: 17.99 min Scan# 4681
 Delta R.T. -0.01 min
 Lab File: VL033437.D
 Acq: 25 Mar 2019 12:25

Tgt Ion:146 Resp: 45492
 Ion Ratio Lower Upper
 146 100
 111 71.6 23.5 70.6#
 148 90.8 31.9 95.9





#78

Hexachloro-1,3-Butadiene

Concen: 0.564 ppbv

RT: 23.55 min Scan# 6410

Delta R.T. -0.00 min

Lab File: VL033437.D

Acq: 25 Mar 2019 12:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

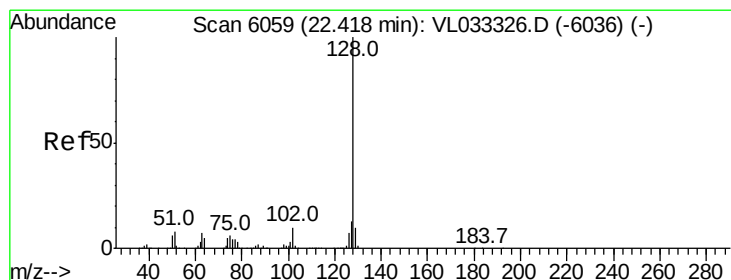
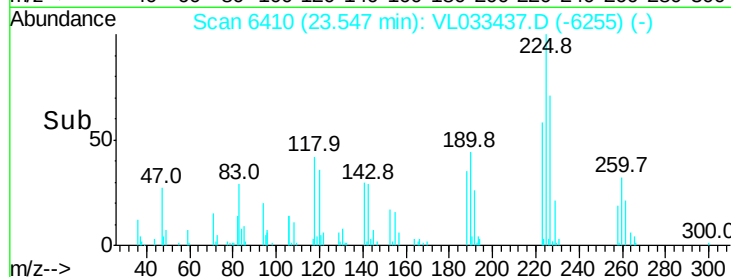
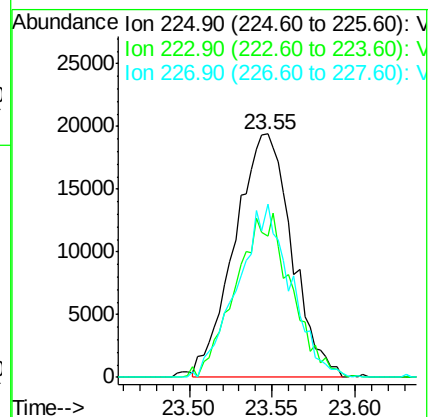
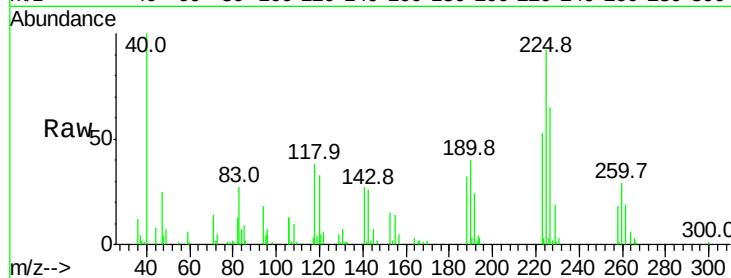
Tgt Ion:225 Resp: 46599

Ion Ratio Lower Upper

225 100

223 65.3 50.4 75.6

227 65.8 50.5 75.7



#79

Naphthalene

Concen: 0.284 ppbv

RT: 22.42 min Scan# 6059

Delta R.T. 0.00 min

Lab File: VL033437.D

Acq: 25 Mar 2019 12:25

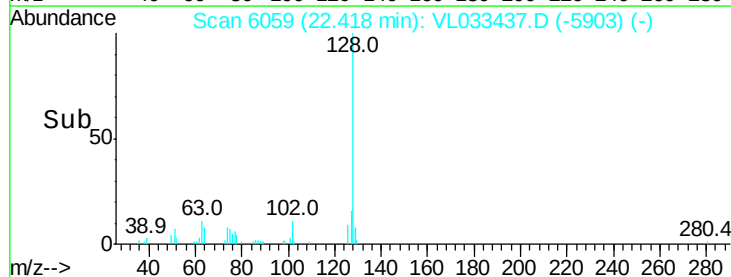
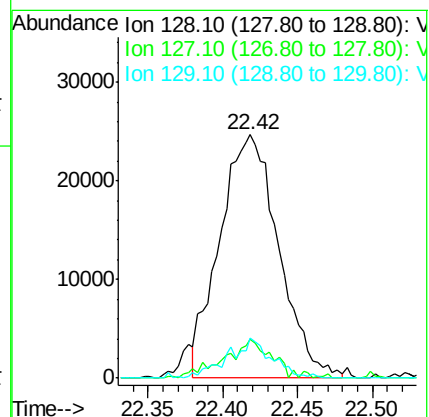
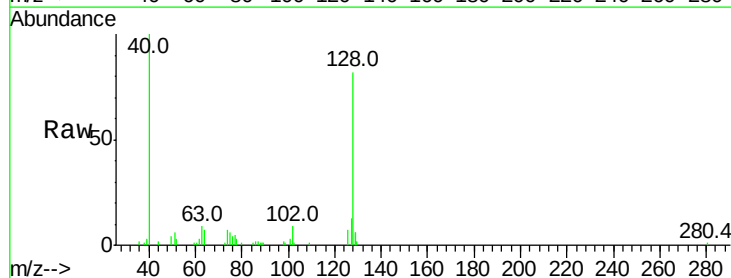
Tgt Ion:128 Resp: 67620

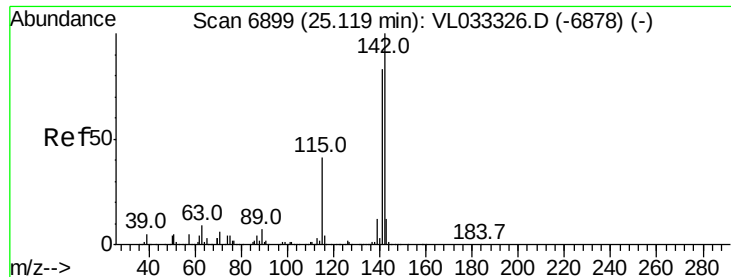
Ion Ratio Lower Upper

128 100

127 13.1 10.1 15.1

129 15.8 8.2 12.2#





#80

Naphthalene, 2-methyl-

Concen: 0.128 ppbv

RT: 25.12 min Scan# 6900

Delta R.T. 0.00 min

Lab File: VL033437.D

Acq: 25 Mar 2019 12:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

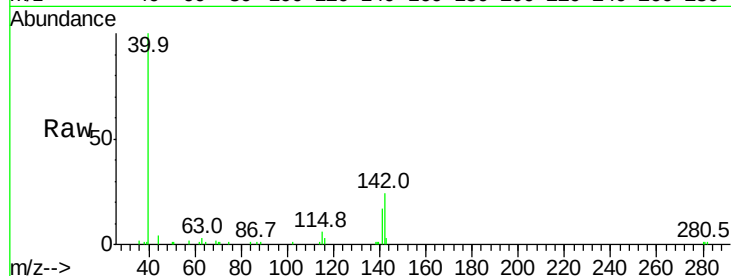
Tgt Ion:142 Resp: 14397

Ion Ratio Lower Upper

142 100

141 73.7 67.1 100.7

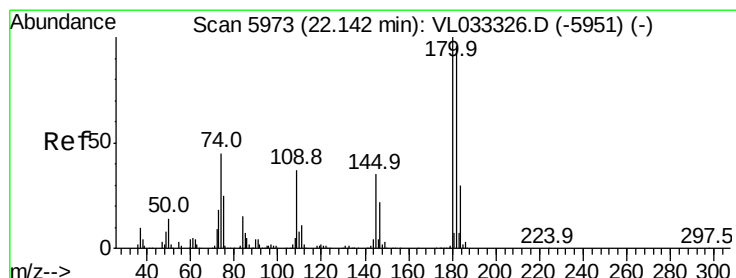
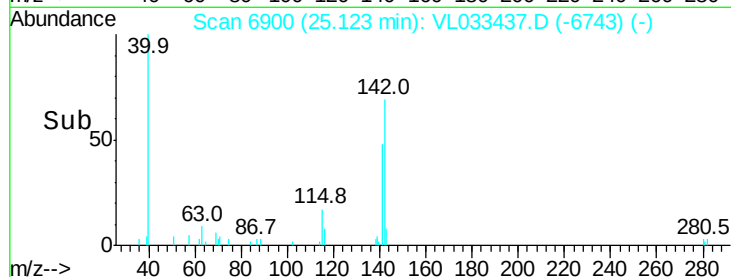
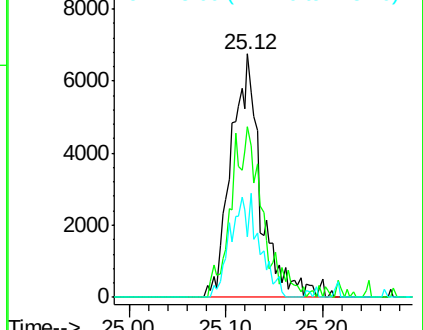
115 40.2 33.8 50.6



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: 0.385 ppbv

RT: 22.14 min Scan# 5971

Delta R.T. -0.01 min

Lab File: VL033437.D

Acq: 25 Mar 2019 12:25

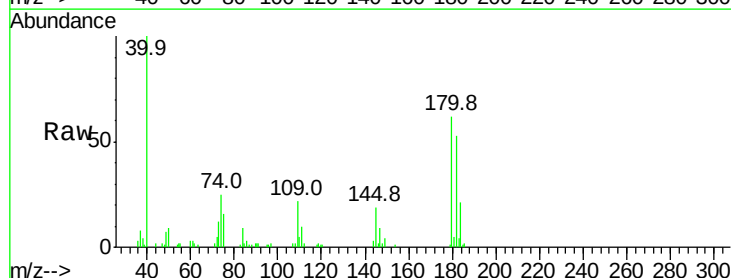
Tgt Ion:180 Resp: 46660

Ion Ratio Lower Upper

180 100

182 94.6 76.1 114.1

184 31.4 24.6 37.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

