

Data File : VL033170.D
Acq On : 6 Feb 2019 2:31
Operator : SY/AP
Sample : VSTDIC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Quant Time: Feb 20 05:07:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 20 05:04:48 2019
QLast Update : Wed Feb 20 05:04:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1167266	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2734213	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2920195	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	2137811	9.39	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.90%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	371550	1.665	ppbv	96
3) Chlorodifluoromethane	3.01	51	266903	1.899	ppbv	99
4) Chloromethane	3.17	50	139122	1.875	ppbv	97
5) Vinyl Chloride	3.29	62	136570	1.761	ppbv	98
6) Bromomethane	3.52	94	80296	1.885	ppbv	88
7) Chloroethane	3.60	64	48368	1.909	ppbv #	88
8) Dichlorotetrafluoroethane	3.22	85	333135	1.909	ppbv	100
9) Propene	3.04	41	127937	1.884	ppbv	100
10) Heptane	8.25	43	399708	1.946	ppbv	100
11) Trichlorofluoromethane	4.00	101	343389	1.901	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.55	101	232214	1.855	ppbv	99
13) Ethanol	3.65	45	20441	0.903	ppbv #	29
14) Bromoethene	3.79	108	101882	1.887	ppbv	98
15) Acetone	3.90	43	251514	1.913	ppbv	98
16) 1,3-Butadiene	3.36	39	112117	1.796	ppbv	94
17) tert-Butyl alcohol	4.36	59	45967	1.833	ppbv	97
18) 1,1-Dichloroethene	4.35	96	105209	1.877	ppbv	99
19) Isopropyl Alcohol	4.02	45	155736	1.746	ppbv #	99
20) Methylene Chloride	4.41	84	97656	1.867	ppbv	97
21) Allyl Chloride	4.48	41	165295	1.904	ppbv	99
22) trans-1,2-Dichloroethene	4.96	96	100862	1.853	ppbv	95
23) Vinyl Acetate	5.15	43	417632	1.832	ppbv	99
24) 1,1-Dichloroethane	5.09	63	297211	1.844	ppbv	97
25) Ethyl Acetate	5.77	43	630265	2.132	ppbv	99
26) Hexane	5.78	57	298921	2.153	ppbv	97
27) Carbon Disulfide	4.62	76	238089	1.872	ppbv	98
28) Methyl tert-Butyl Ether	5.12	73	355942	1.877	ppbv	99
29) Chloroform	5.85	83	452936	2.129	ppbv	99
30) Cyclohexane	7.25	84	243447	1.890	ppbv	89
31) cis-1,2-Dichloroethene	5.64	61	290344	2.090	ppbv	99
32) 1,1,1-Trichloroethane	6.62	97	425784	1.818	ppbv	99
34) 2-Butanone	5.33	43	366374	2.112	ppbv	99
35) Carbon Tetrachloride	7.14	117	426098	2.041	ppbv	94
36) Benzene	7.00	78	612464	2.210	ppbv	99
37) 1,2-Dichloroethane	6.41	62	337243	2.196	ppbv	100
38) Trichloroethene	7.96	130	231353	1.950	ppbv	92
39) 1,2-Dichloropropane	7.73	63	236997	2.166	ppbv	97
40) 1,4-Dioxane	7.97	88	61002	1.534	ppbv #	1
41) Tetrahydrofuran	6.16	42	248400	2.314	ppbv	97
42) Bromodichloromethane	7.91	83	494314	2.221	ppbv	94
43) Methyl Methacrylate	8.14	69	244244	2.195	ppbv	97

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ClientSampleId :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 20 05:04:48 2019
QLast Update : Wed Feb 20 05:04:48 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	1053378	2.243	ppbv	99
45) t-1,3-Dichloropropene	9.42	75	272832	2.208	ppbv	99
46) cis-1,3-Dichloropropene	8.84	75	345272	2.193	ppbv	97
47) 1,1,2-Trichloroethane	9.61	97	245521	2.162	ppbv	97
48) Dibromochloromethane	10.45	129	391673	2.191	ppbv	99
49) Bromoform	13.20	173	341741	2.222	ppbv	99
50) 4-Methyl-2-Pentanone	8.88	43	616659	2.217	ppbv	99
51) 2-Hexanone	10.28	43	475388	2.168	ppbv #	100
52) Tetrachloroethene	11.37	164	225440	2.118	ppbv	98
53) Toluene	9.95	91	725403	2.211	ppbv	98
54) 1,2-Dibromoethane	10.76	107	383461	2.153	ppbv	94
56) 1,1,1,2-Tetrachloroethane	12.28	131	289203	2.126	ppbv #	1
57) Chlorobenzene	12.30	112	543277	2.101	ppbv	97
58) Ethyl Benzene	12.87	91	1002465	2.091	ppbv	98
59) m/p-Xylene	13.15	91	712084	1.786	ppbv #	31
60) o-Xylene	13.85	91	812324	2.089	ppbv	99
61) Styrene	13.69	104	620688	2.114	ppbv	99
62) Isopropylbenzene	14.83	105	1143792	2.085	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.83	83	576967	1.898	ppbv	98
64) n-propylbenzene	15.73	120	288852	2.071	ppbv	95
65) tert-Butylbenzene	16.91	119	1021480	2.138	ppbv	98
66) Benzyl Chloride	17.16	91	344000	2.015	ppbv	99
67) sec-Butylbenzene	17.46	105	1489211	2.147	ppbv	98
69) p-Isopropyltoluene	17.82	119	1224827	2.121	ppbv	99
70) n-Butylbenzene	18.72	91	1311781	2.105	ppbv	99
71) 2-Chlorotoluene	15.62	91	906082	2.102	ppbv	99
72) 4-Ethyltoluene	16.00	105	939304	2.094	ppbv	99
73) 1,3,5-Trimethylbenzene	16.16	105	906463	2.113	ppbv	99
74) 1,2,4-Trimethylbenzene	16.93	105	950933	2.137	ppbv	94
75) 1,3-Dichlorobenzene	17.17	146	544294	2.121	ppbv	99
76) 1,4-Dichlorobenzene	17.31	146	546655	2.150	ppbv	99
77) 1,2-Dichlorobenzene	17.99	146	538209	2.123	ppbv	100
78) Hexachloro-1,3-Butadiene	23.54	225	136829	1.085	ppbv #	12
79) Naphthalene	22.42	128	1049944	2.196	ppbv	97
80) Naphthalene,2-methyl-	25.12	142	621556	2.570	ppbv	98
81) 1,2,4-Trichlorobenzene	22.14	180	515218	2.122	ppbv	99

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

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MSVOA_L
ClientSampleId :
VSTDICC002

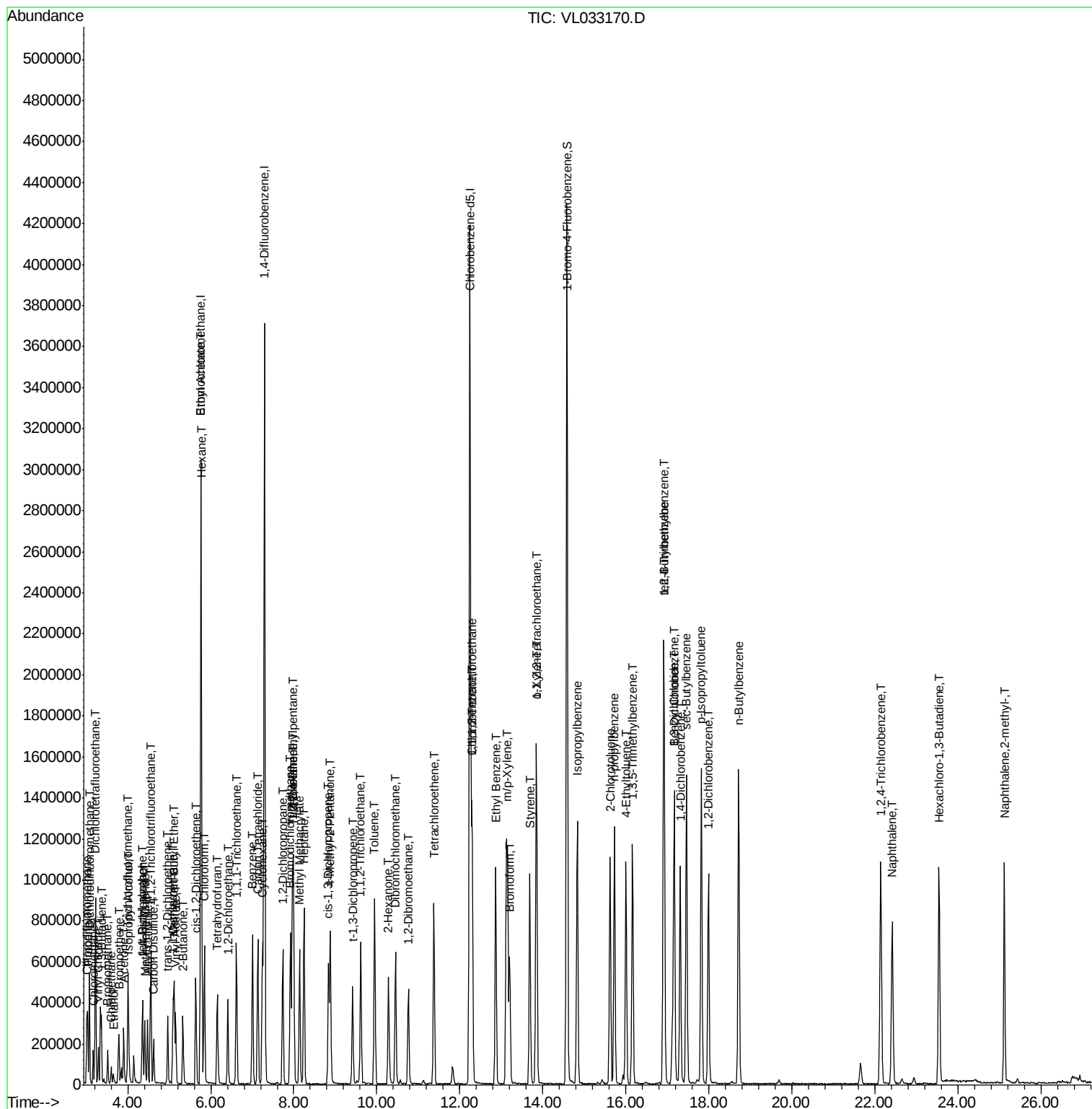
Quant Time: Feb 20 05:07:53 2019

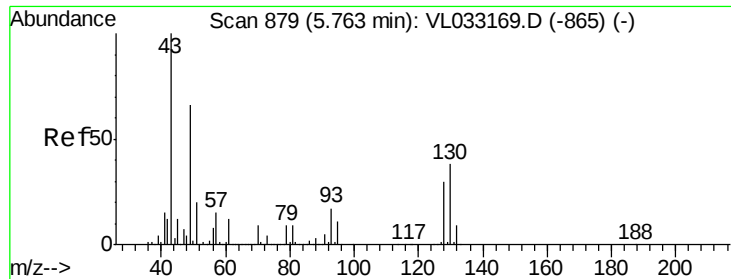
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_L\METHODS\VL020519AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LWed Feb 20 05:04:48 2019

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.00 min

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VSTDIC002

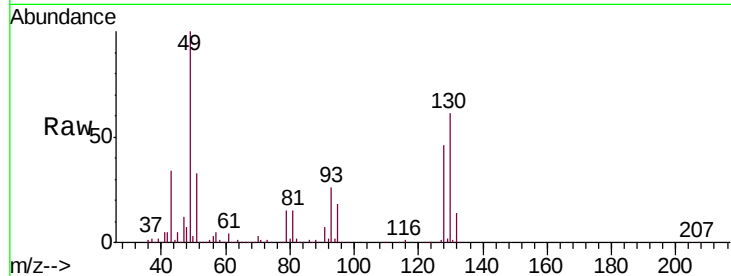
Tgt Ion: 49 Resp: 1167266

Ion Ratio Lower Upper

49 100

128 46.6 23.6 71.0

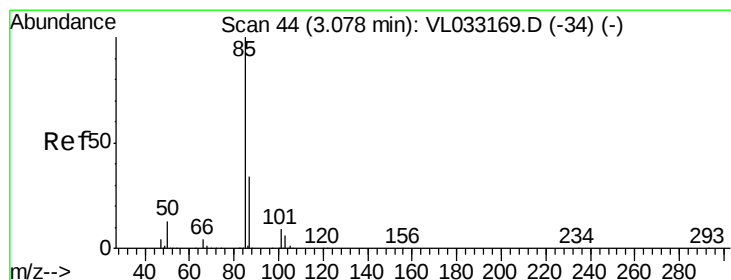
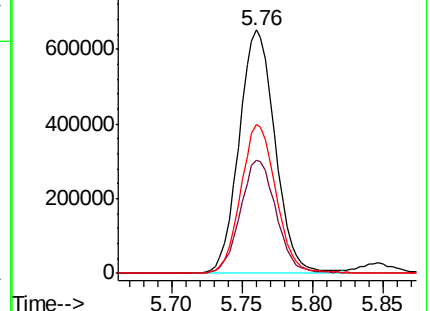
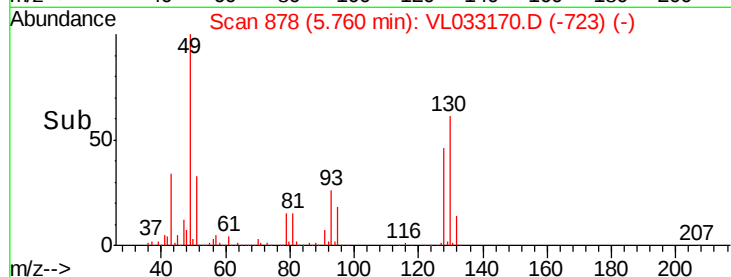
130 60.6 30.3 91.0



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 1.665 ppbv

RT: 3.08 min Scan# 43

Delta R.T. -0.00 min

Lab File: VL033170.D

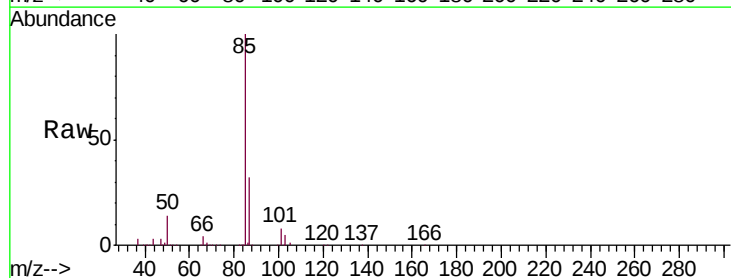
Acq: 6 Feb 2019 2:31

Tgt Ion: 85 Resp: 371550

Ion Ratio Lower Upper

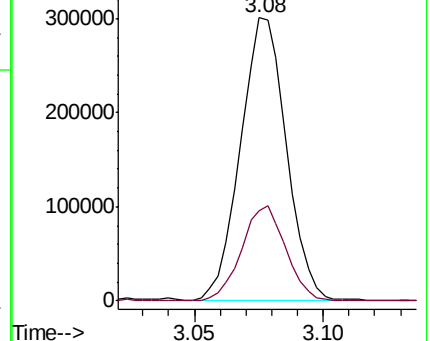
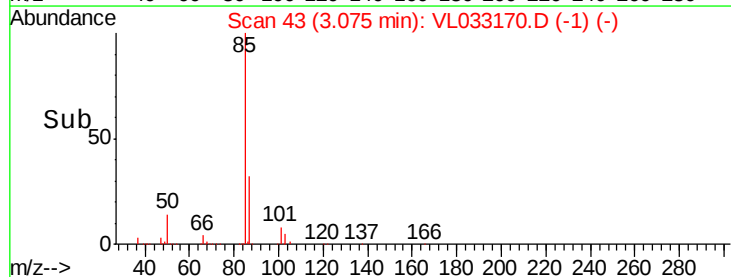
85 100

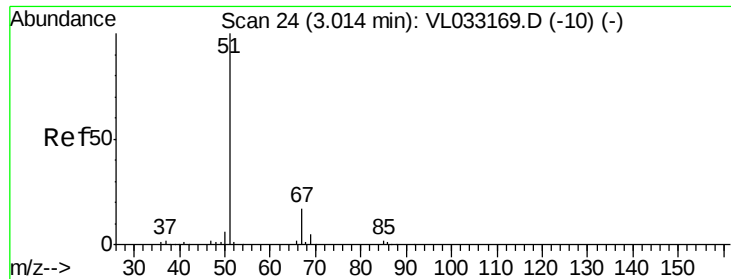
87 31.9 27.4 41.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 1.899 ppbv

RT: 3.01 min Scan# 24

Delta R.T. 0.00 min

Lab File: VL033170.D

Acq: 6 Feb 2019 2:31

Instrument :

MSVOA_L

ClientSampleId :

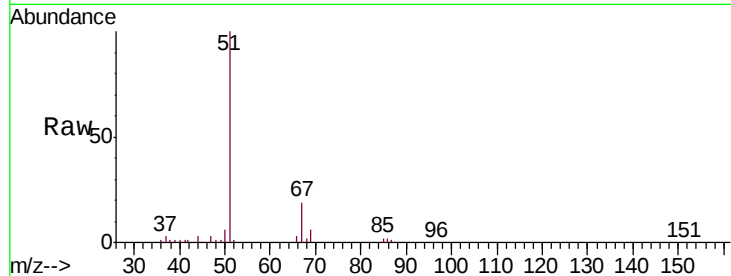
VSTDIC002

Tgt Ion: 51 Resp: 266903

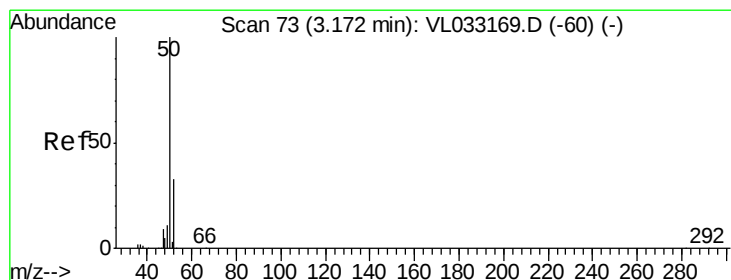
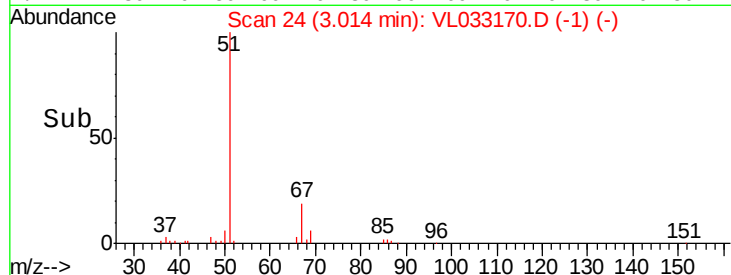
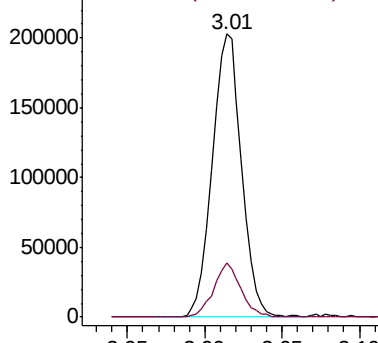
Ion Ratio Lower Upper

51 100

67 17.9 14.0 21.0



Abundance Ion 51.00 (50.70 to 51.70): VL0
Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 1.875 ppbv

RT: 3.17 min Scan# 73

Delta R.T. 0.00 min

Lab File: VL033170.D

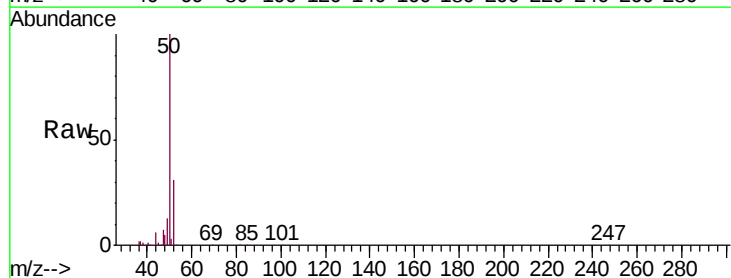
Acq: 6 Feb 2019 2:31

Tgt Ion: 50 Resp: 139122

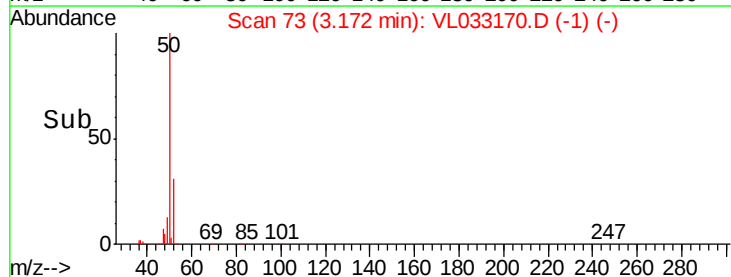
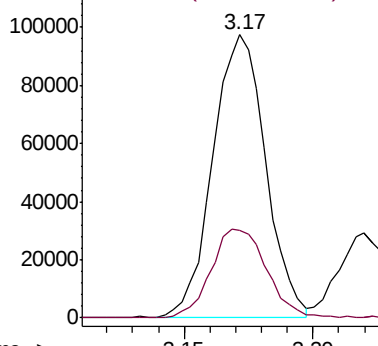
Ion Ratio Lower Upper

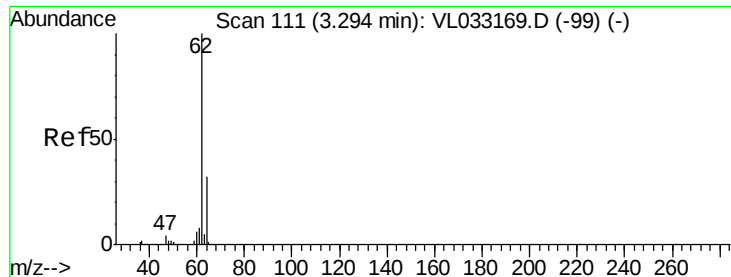
50 100

52 31.1 26.5 39.7



Abundance Ion 50.10 (49.80 to 50.80): VL0
Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 1.761 ppbv

RT: 3.29 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL033170.D

Acq: 6 Feb 2019 2:31

Instrument :

MSVOA_L

ClientSampleId :

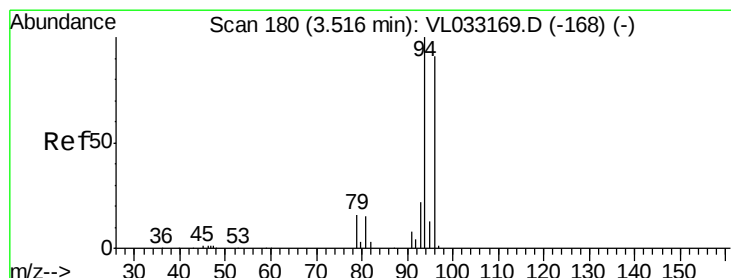
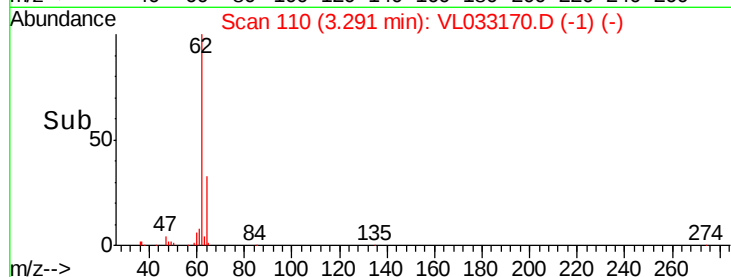
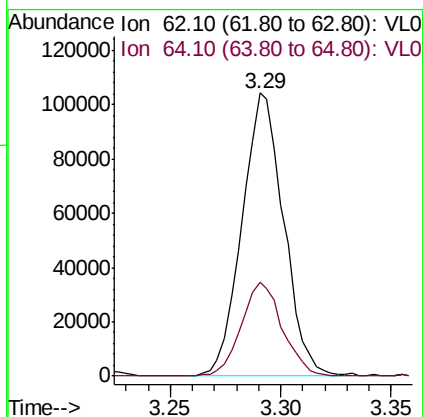
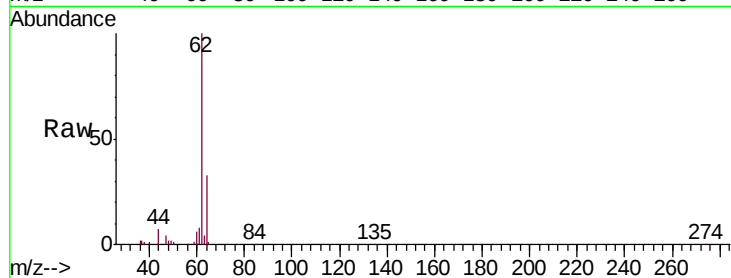
VSTDIC002

Tgt Ion: 62 Resp: 136570

Ion Ratio Lower Upper

62 100

64 33.3 25.6 38.4



#6

Bromomethane

Concen: 1.885 ppbv

RT: 3.52 min Scan# 180

Delta R.T. 0.00 min

Lab File: VL033170.D

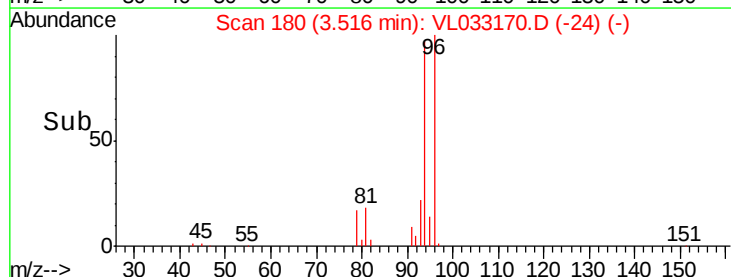
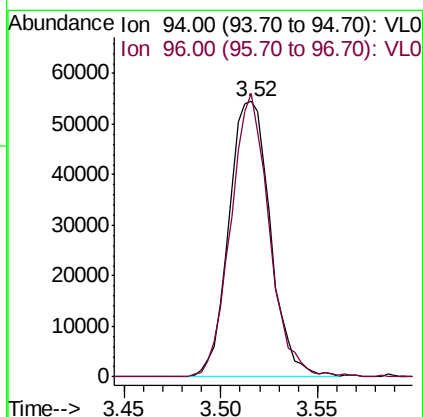
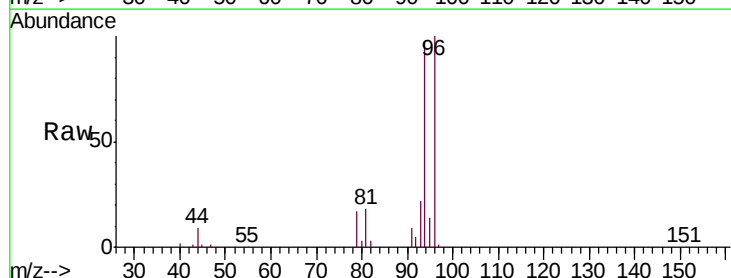
Acq: 6 Feb 2019 2:31

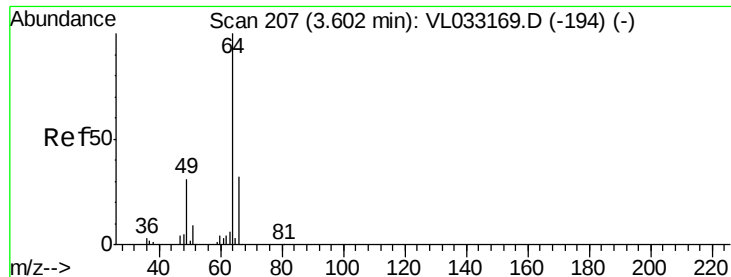
Tgt Ion: 94 Resp: 80296

Ion Ratio Lower Upper

94 100

96 103.1 73.2 109.8





#7

Chloroethane

Concen: 1.909 ppbv

RT: 3.60 min Scan# 206

Delta R.T. -0.00 min

Lab File: VL033170.D

Acq: 6 Feb 2019 2:31

Instrument :

MSVOA_L

ClientSampleId :

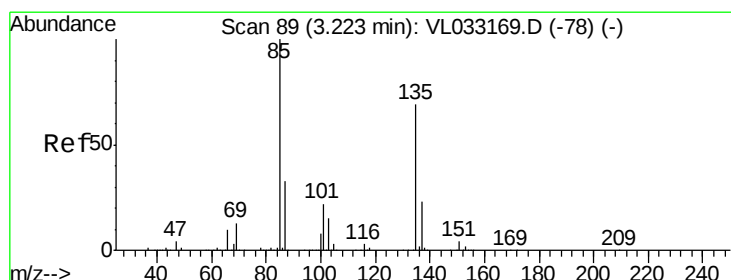
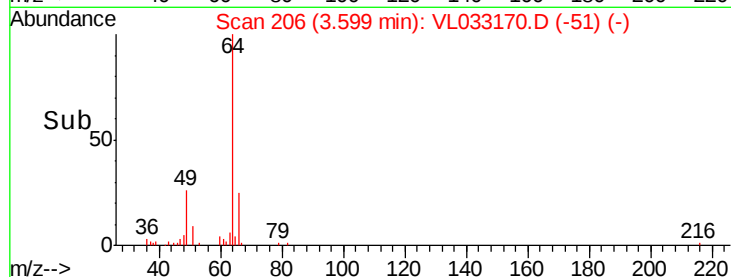
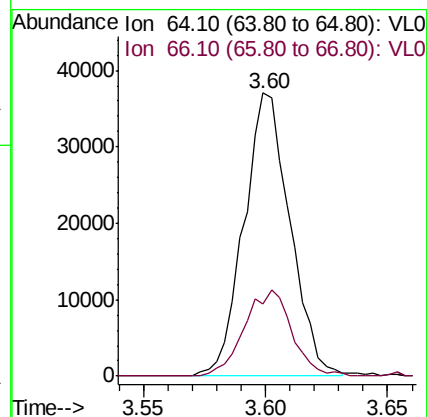
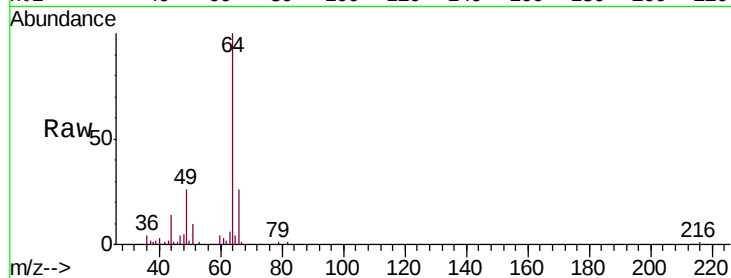
VSTDIC002

Tgt Ion: 64 Resp: 48368

Ion Ratio Lower Upper

64 100

66 25.6 26.0 39.0#



#8

Dichlorotetrafluoroethane

Concen: 1.909 ppbv

RT: 3.22 min Scan# 88

Delta R.T. -0.00 min

Lab File: VL033170.D

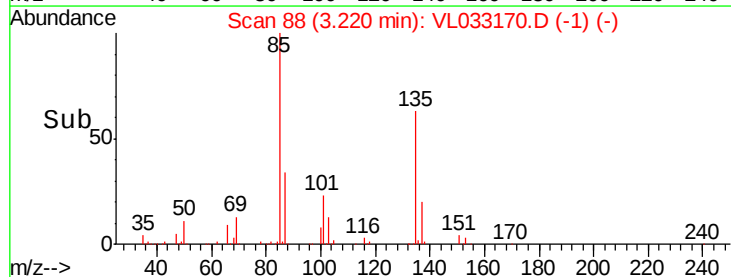
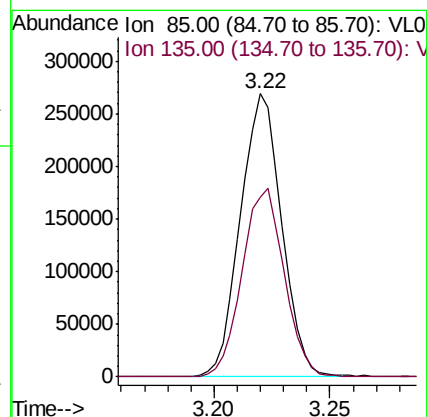
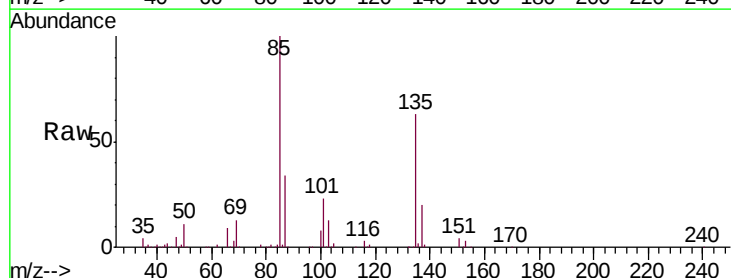
Acq: 6 Feb 2019 2:31

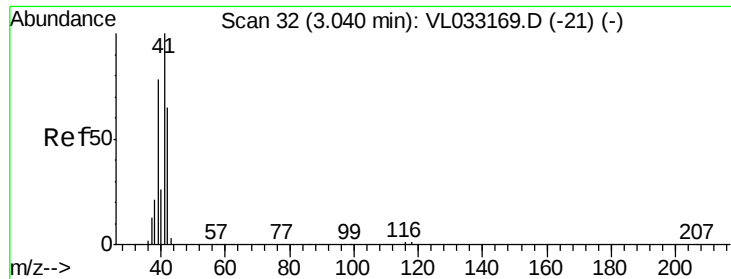
Tgt Ion: 85 Resp: 333135

Ion Ratio Lower Upper

85 100

135 68.0 54.3 81.5





#9

Propene

Concen: 1.884 ppbv

RT: 3.04 min Scan# 31

Delta R.T. -0.00 min

Lab File: VL033170.D

Acq: 6 Feb 2019 2:31

Instrument :

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ClientSampleId :

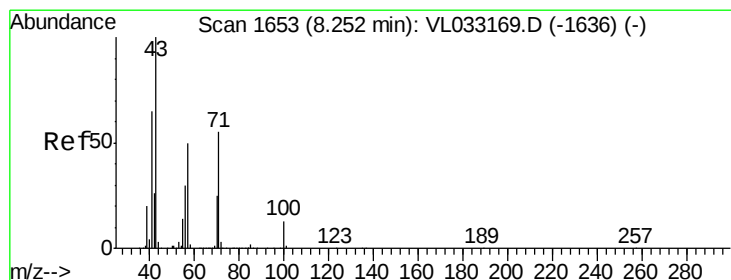
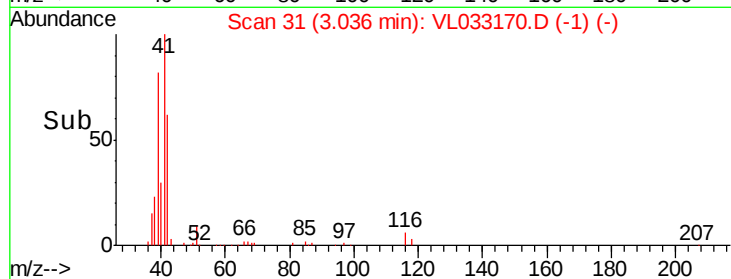
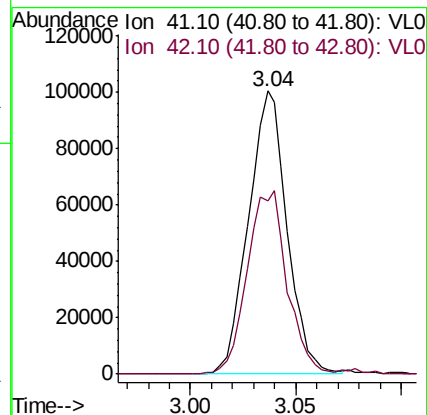
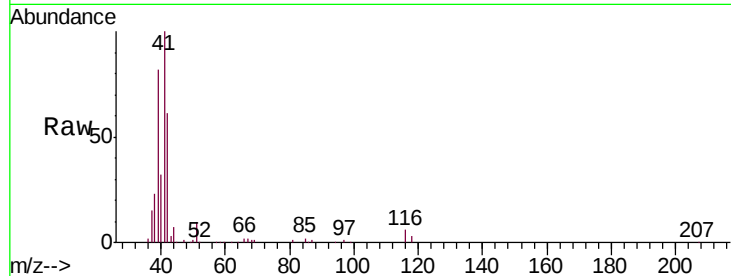
VSTDIC002

Tgt Ion: 41 Resp: 127937

Ion Ratio Lower Upper

41 100

42 68.5 55.0 82.6



#10

Heptane

Concen: 1.946 ppbv

RT: 8.25 min Scan# 1652

Delta R.T. -0.00 min

Lab File: VL033170.D

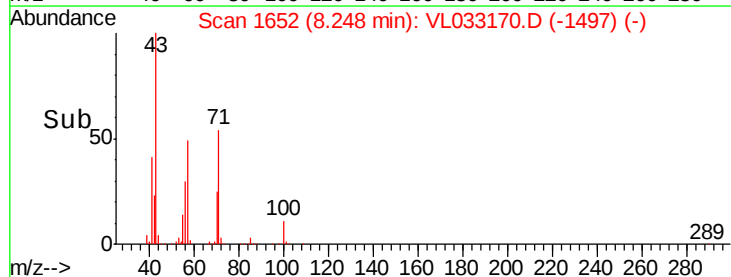
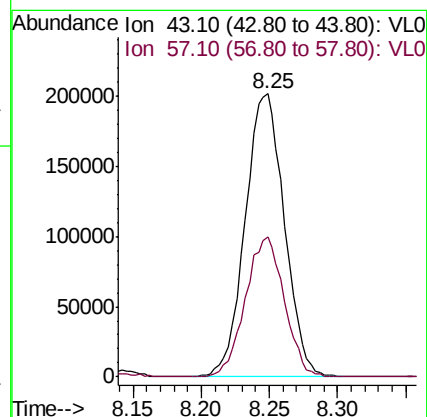
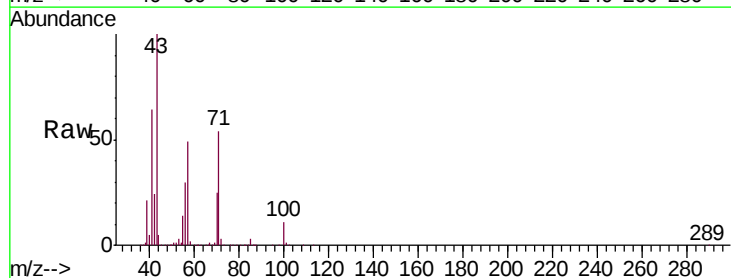
Acq: 6 Feb 2019 2:31

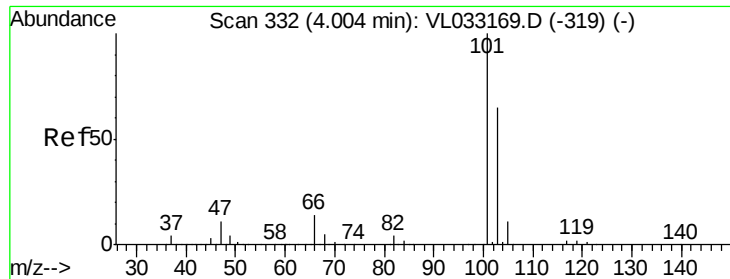
Tgt Ion: 43 Resp: 399708

Ion Ratio Lower Upper

43 100

57 49.6 39.5 59.3

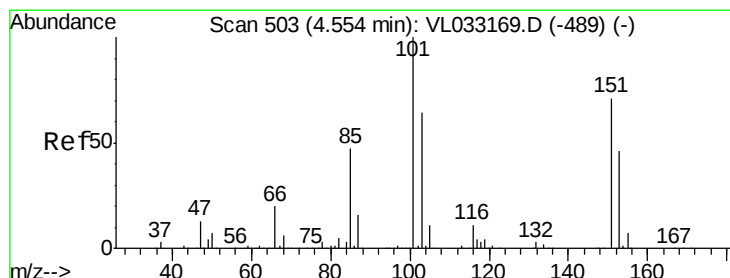
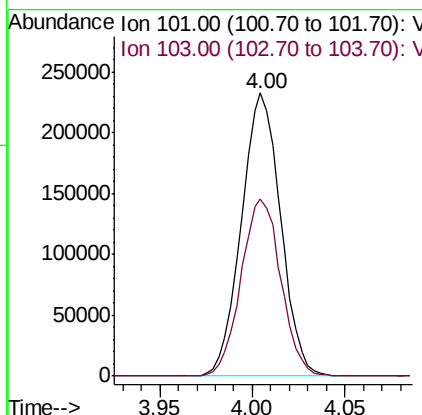
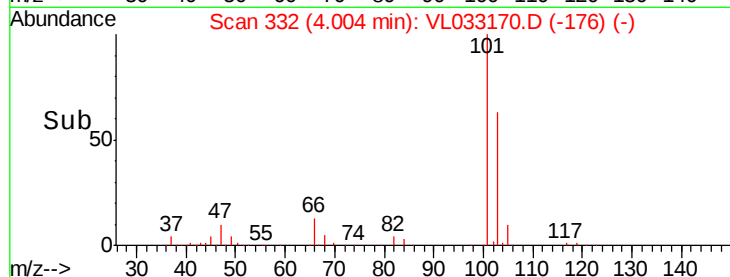
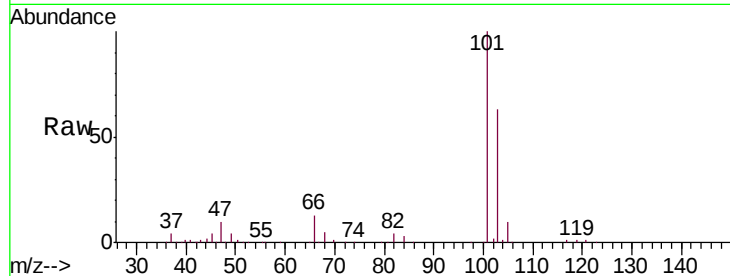




#11
 Trichlorofluoromethane
 Concen: 1.901 ppbv
 RT: 4.00 min Scan# 332
 Delta R.T. 0.00 min
 Lab File: VL033170.D
 Acq: 6 Feb 2019 2:31

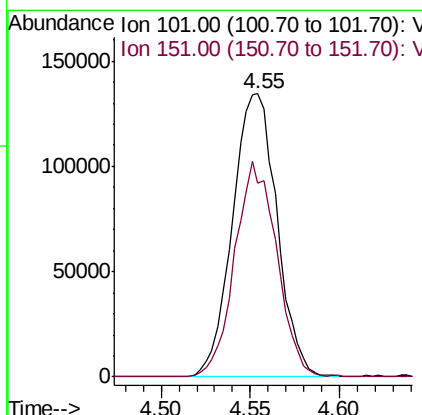
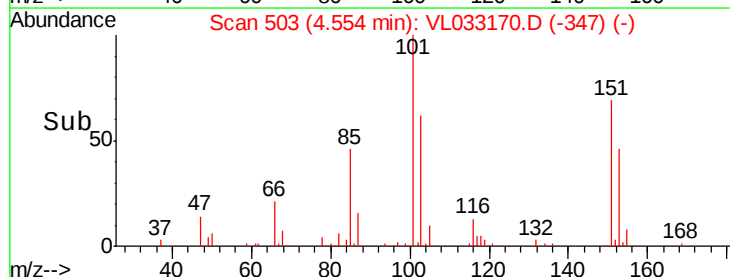
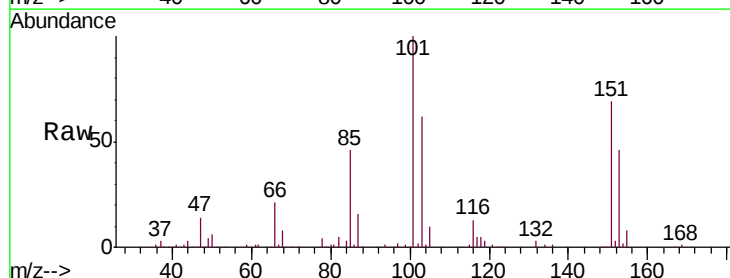
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

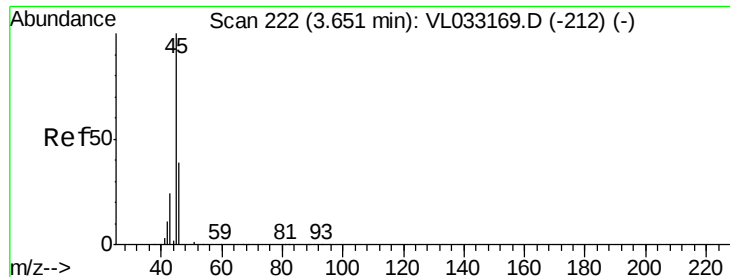
Tgt Ion:101 Resp: 343389
 Ion Ratio Lower Upper
 101 100
 103 62.6 51.7 77.5



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.855 ppbv
 RT: 4.55 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VL033170.D
 Acq: 6 Feb 2019 2:31

Tgt Ion:101 Resp: 232214
 Ion Ratio Lower Upper
 101 100
 151 72.3 57.4 86.0

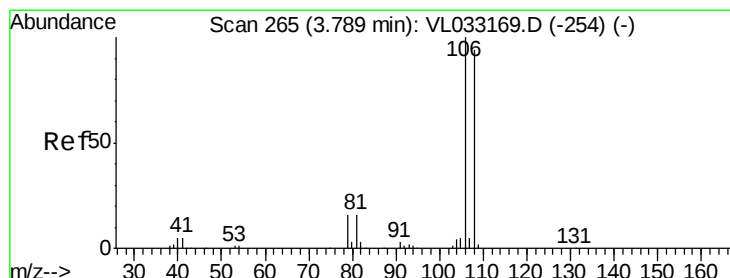
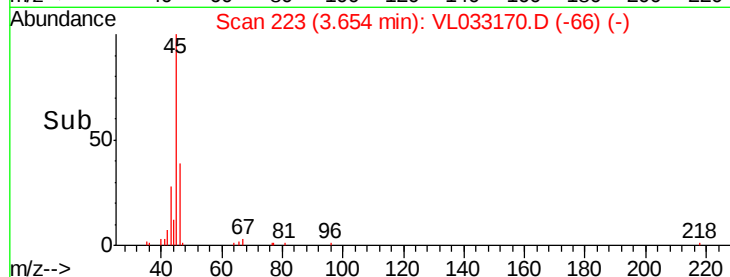
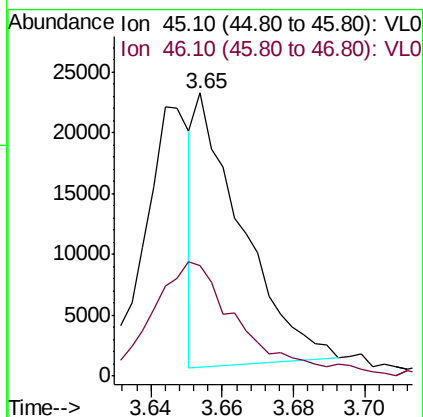
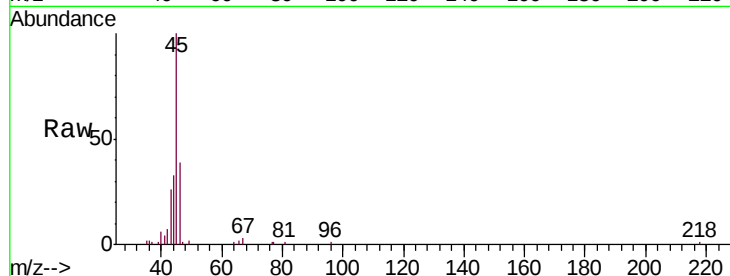




#13
Ethanol
Concen: 0.903 ppbv
RT: 3.65 min Scan# 223
Delta R.T. 0.00 min
Lab File: VL033170.D
Acq: 6 Feb 2019 2:31

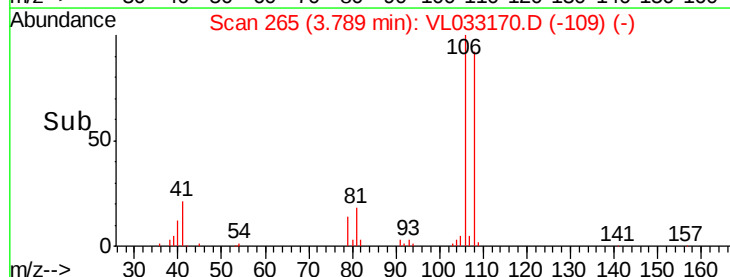
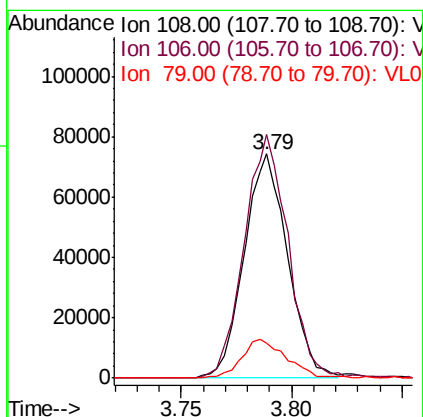
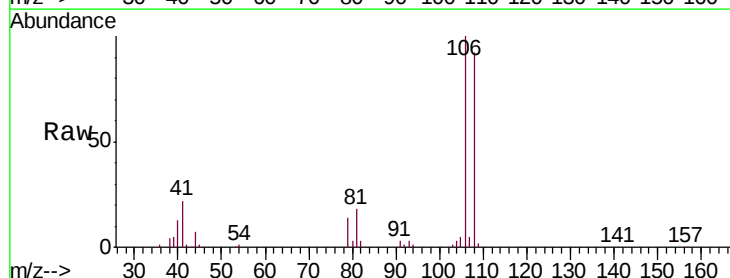
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

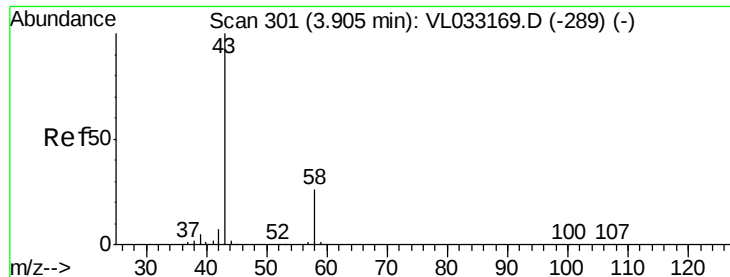
Tgt Ion: 45 Resp: 20441
Ion Ratio Lower Upper
45 100
46 80.0 15.0 60.2#



#14
Bromoethene
Concen: 1.887 ppbv
RT: 3.79 min Scan# 265
Delta R.T. 0.00 min
Lab File: VL033170.D
Acq: 6 Feb 2019 2:31

Tgt Ion: 108 Resp: 101882
Ion Ratio Lower Upper
108 100
106 109.9 86.0 129.0
79 17.8 14.5 21.7





#15

Acetone

Concen: 1.913 ppbv

RT: 3.90 min Scan# 301

Delta R.T. 0.00 min

Lab File: VL033170.D

Acq: 6 Feb 2019 2:31

Instrument :

MSVOA_L

ClientSampleId :

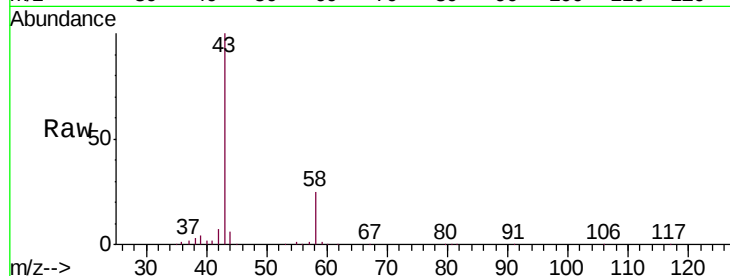
VSTDIC002

Tgt Ion: 43 Resp: 251514

Ion Ratio Lower Upper

43 100

58 25.6 21.1 31.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.90

200000

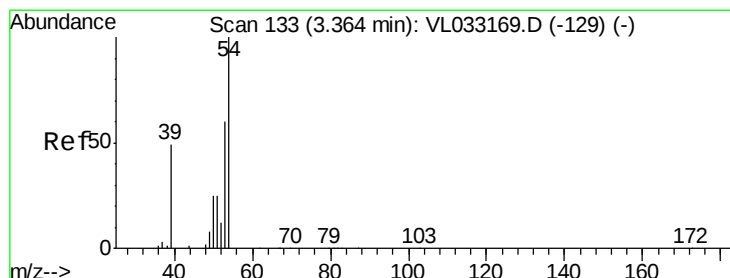
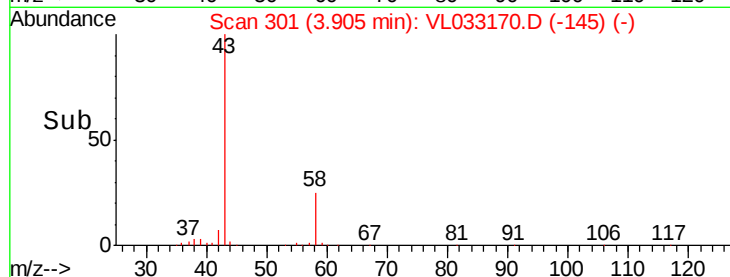
150000

100000

50000

0

Time-->



#16

1,3-Butadiene

Concen: 1.796 ppbv

RT: 3.36 min Scan# 133

Delta R.T. 0.00 min

Lab File: VL033170.D

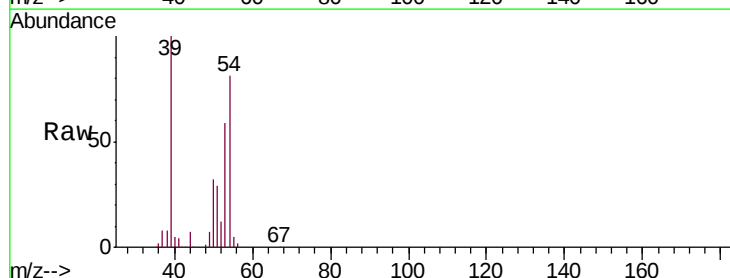
Acq: 6 Feb 2019 2:31

Tgt Ion: 39 Resp: 112117

Ion Ratio Lower Upper

39 100

54 94.3 71.3 106.9



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.36

100000

80000

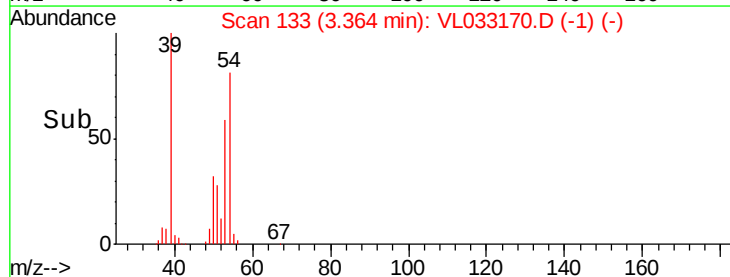
60000

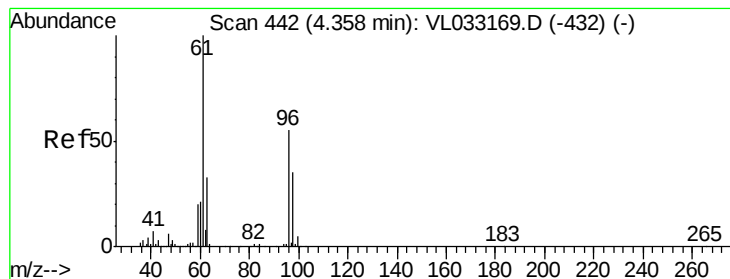
40000

20000

0

Time-->





#17

tert-Butyl alcohol

Concen: 1.833 ppbv

RT: 4.36 min Scan# 443

Delta R.T. 0.00 min

Lab File: VL033170.D

Acq: 6 Feb 2019 2:31

Instrument :

MSVOA_L

ClientSampleId :

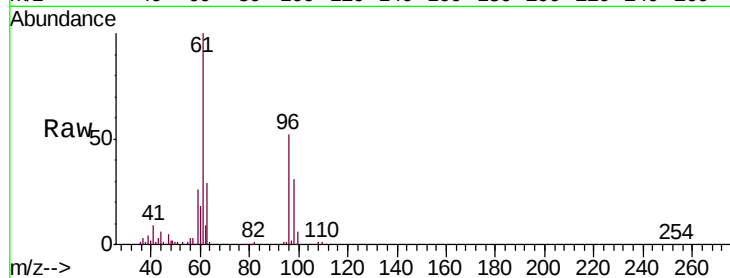
VSTDIC002

Tgt Ion: 59 Resp: 45967

Ion Ratio Lower Upper

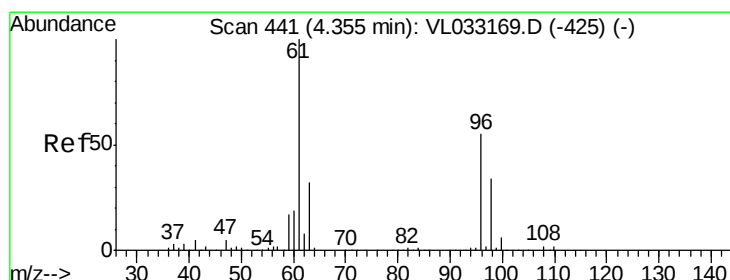
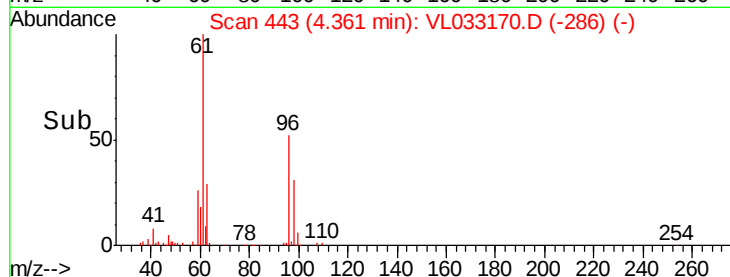
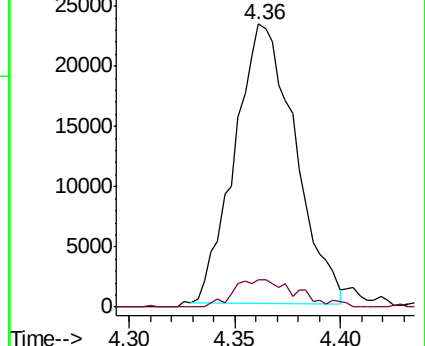
59 100

57 10.5 7.6 11.4



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 1.877 ppbv

RT: 4.35 min Scan# 440

Delta R.T. -0.00 min

Lab File: VL033170.D

Acq: 6 Feb 2019 2:31

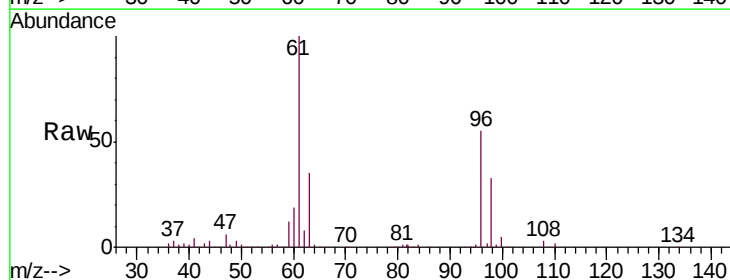
Tgt Ion: 96 Resp: 105209

Ion Ratio Lower Upper

96 100

61 182.7 145.0 217.6

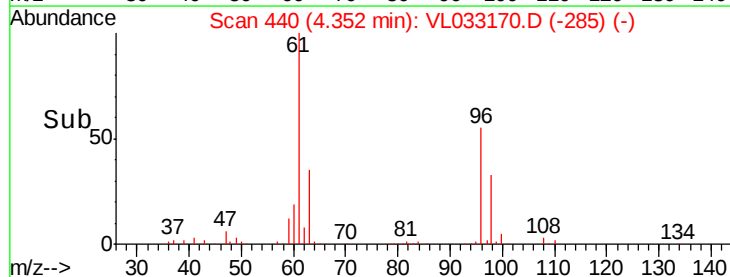
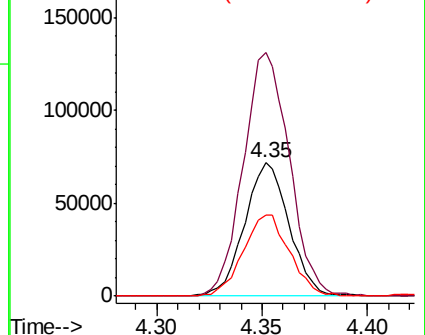
98 60.8 50.0 75.0

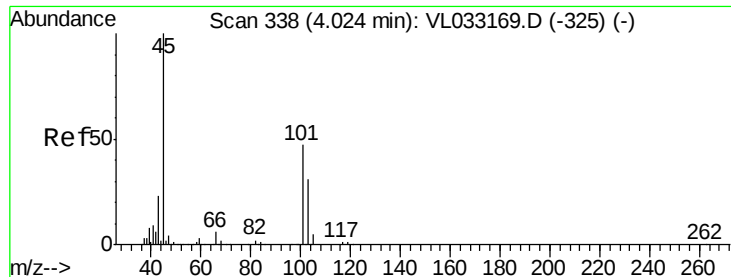


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

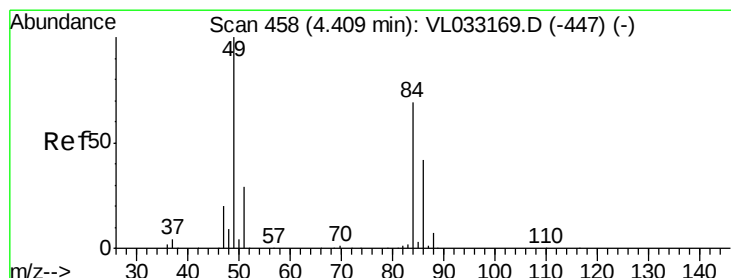
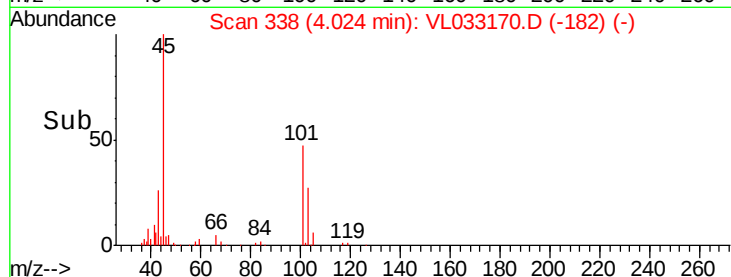
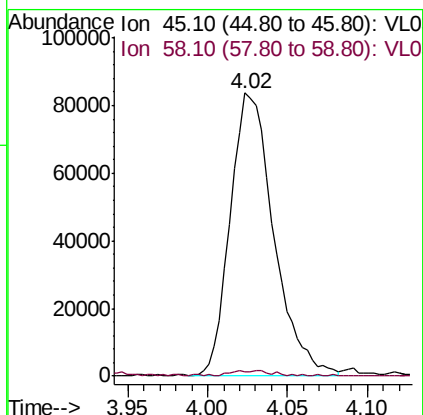
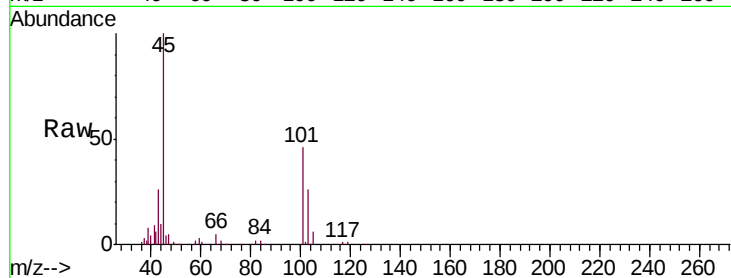




#19
Isopropyl Alcohol
Concen: 1.746 ppbv
RT: 4.02 min Scan# 338
Delta R.T. 0.00 min
Lab File: VL033170.D
Acq: 6 Feb 2019 2:31

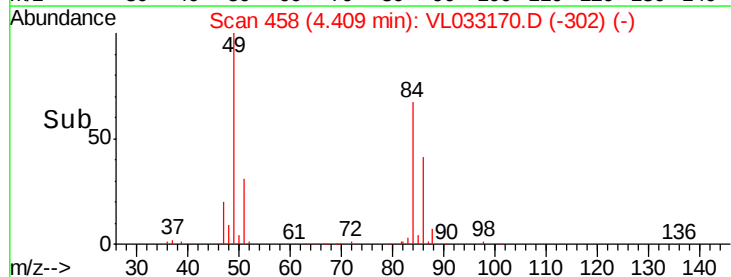
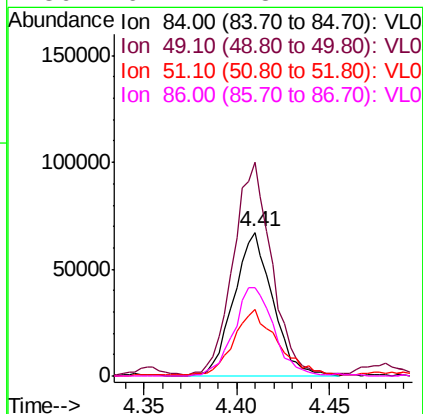
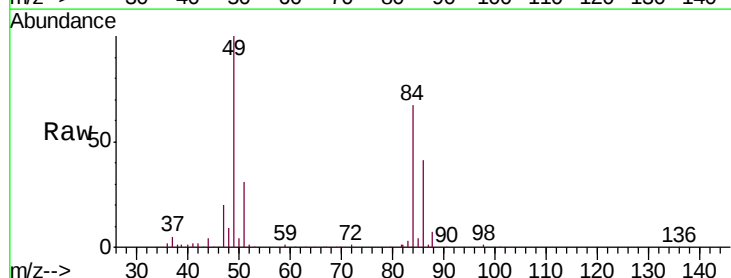
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

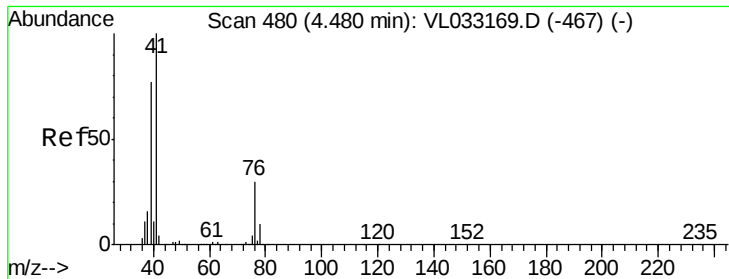
Tgt Ion: 45 Resp: 155736
Ion Ratio Lower Upper
45 100
58 2.4 1.5 2.3#



#20
Methylene Chloride
Concen: 1.867 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033170.D
Acq: 6 Feb 2019 2:31

Tgt Ion: 84 Resp: 97656
Ion Ratio Lower Upper
84 100
49 146.9 115.8 173.8
51 45.5 33.0 49.6
86 61.7 48.2 72.2

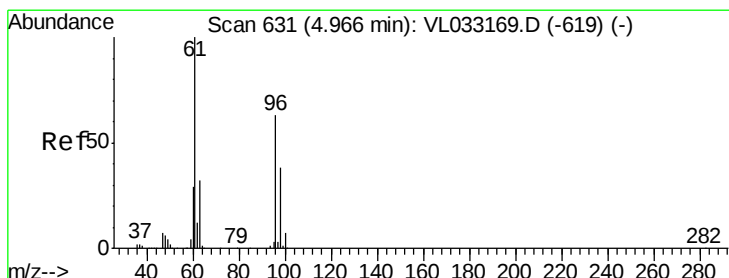
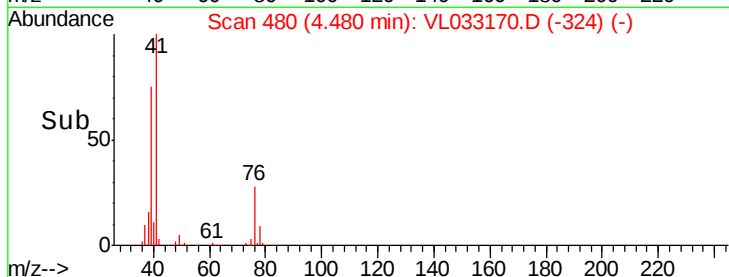
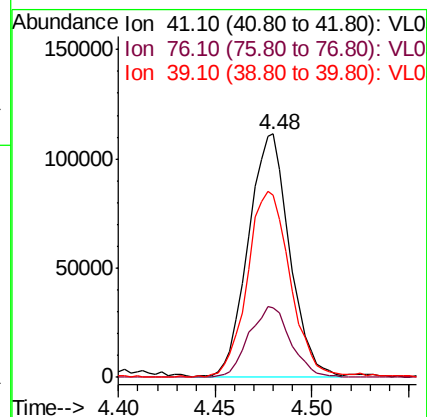
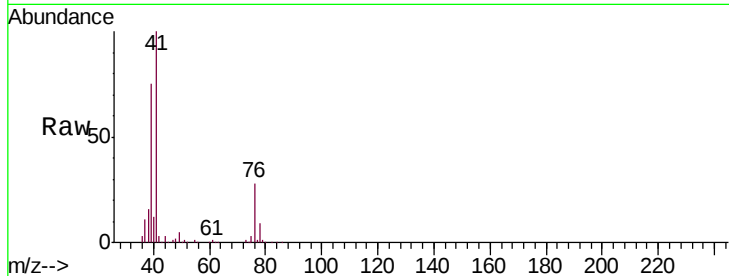




#21
 Allyl Chloride
 Concen: 1.904 ppbv
 RT: 4.48 min Scan# 480
 Delta R.T. 0.00 min
 Lab File: VL033170.D
 Acq: 6 Feb 2019 2:31

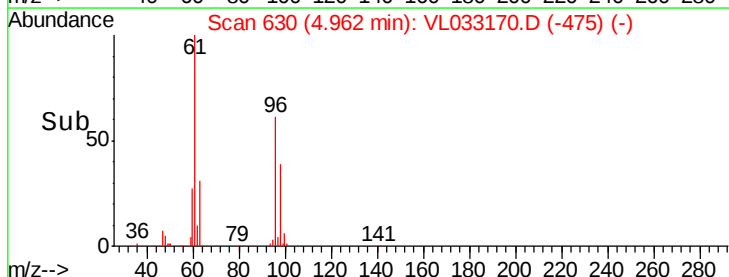
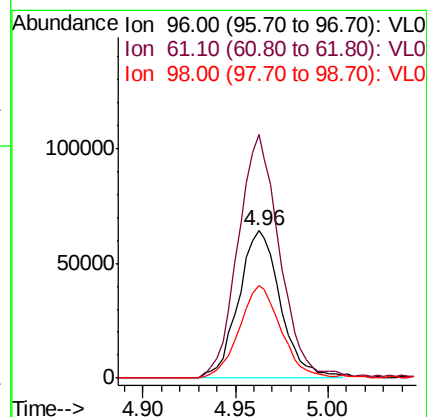
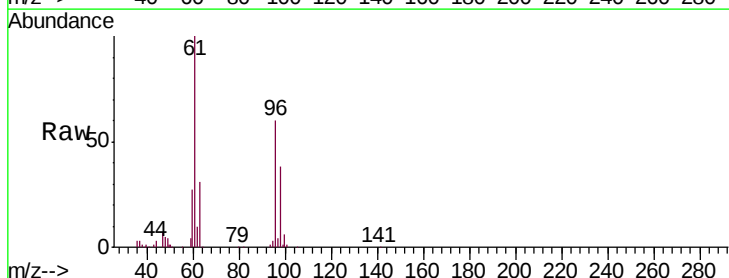
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

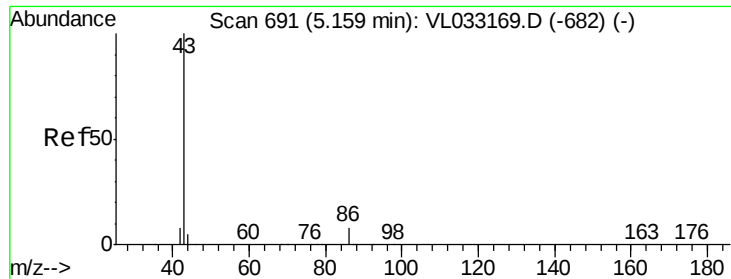
Tgt Ion: 41 Resp: 165295
 Ion Ratio Lower Upper
 41 100
 76 29.3 24.5 36.7
 39 79.8 64.1 96.1



#22
 trans-1,2-Dichloroethene
 Concen: 1.853 ppbv
 RT: 4.96 min Scan# 630
 Delta R.T. -0.00 min
 Lab File: VL033170.D
 Acq: 6 Feb 2019 2:31

Tgt Ion: 96 Resp: 100862
 Ion Ratio Lower Upper
 96 100
 61 165.4 126.4 189.6
 98 62.8 48.4 72.6

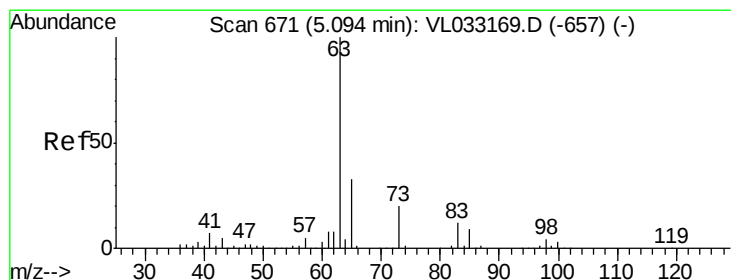
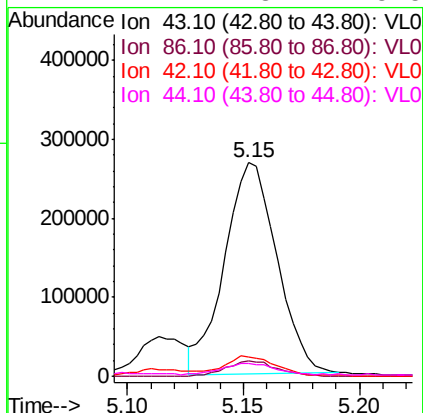
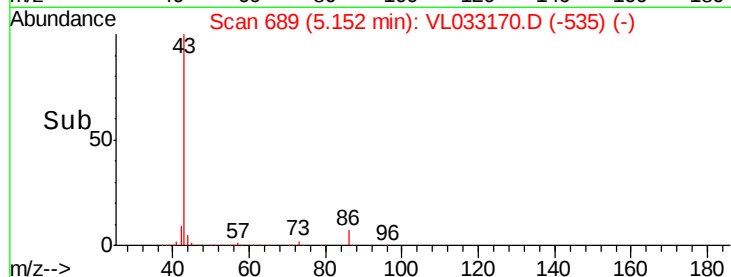
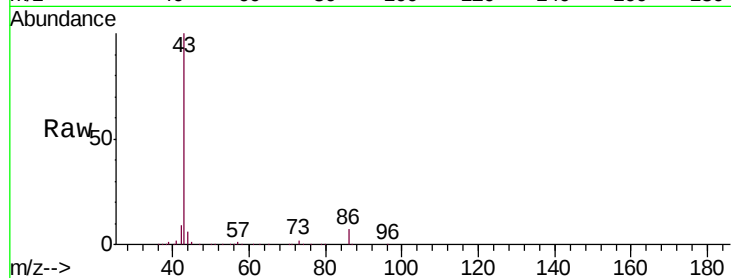




#23
 Vinyl Acetate
 Concen: 1.832 ppbv
 RT: 5.15 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VL033170.D
 Acq: 6 Feb 2019 2:31

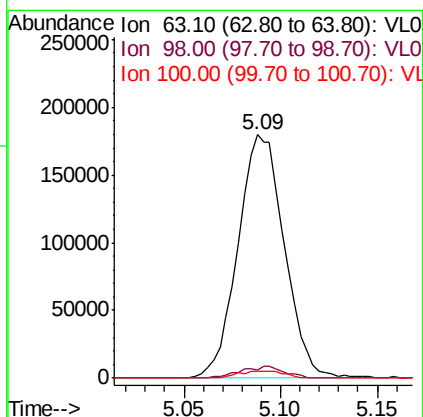
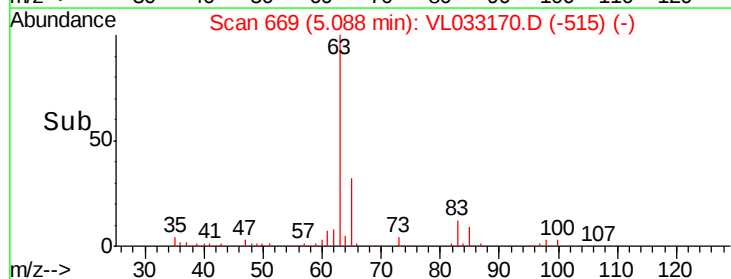
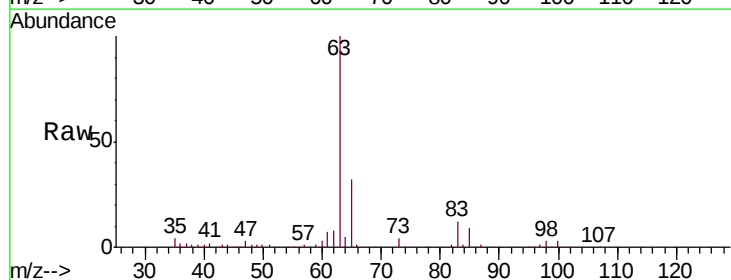
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

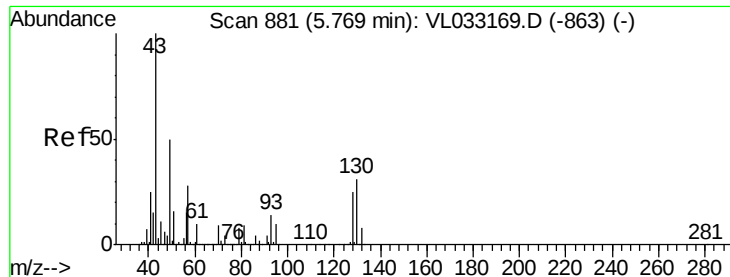
Tgt Ion:	43	Resp:	417632
Ion	Ratio	Lower	Upper
43	100		
86	7.3	5.8	8.8
42	8.5	7.4	11.0
44	4.7	3.7	5.5



#24
 1,1-Dichloroethane
 Concen: 1.844 ppbv
 RT: 5.09 min Scan# 669
 Delta R.T. -0.01 min
 Lab File: VL033170.D
 Acq: 6 Feb 2019 2:31

Tgt Ion:	63	Resp:	297211
Ion	Ratio	Lower	Upper
63	100		
98	3.0	2.1	6.5
100	2.6	1.4	4.2

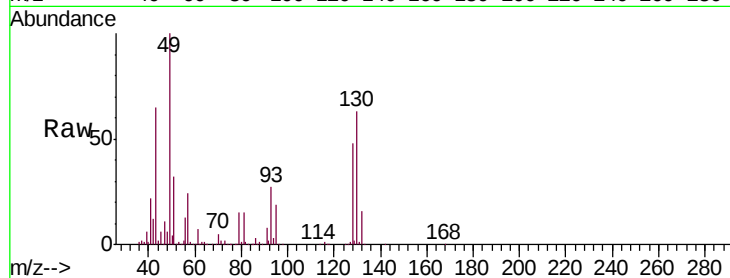




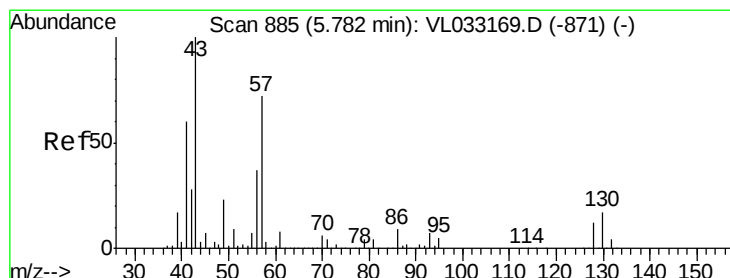
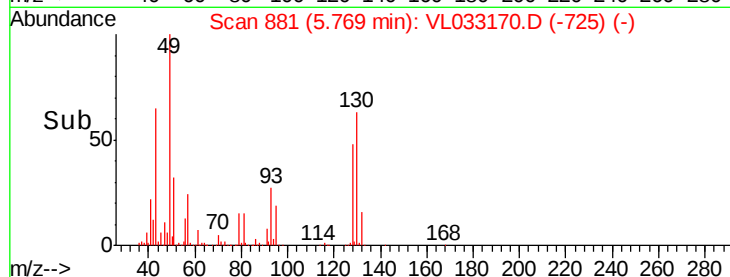
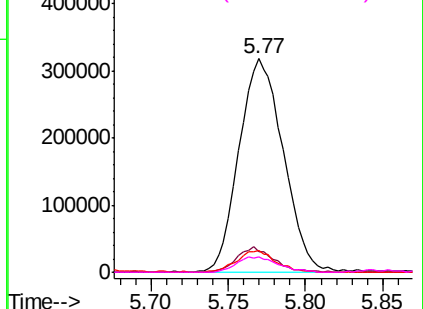
#25
Ethyl Acetate
Concen: 2.132 ppbv
RT: 5.77 min Scan# 881
Delta R.T. 0.00 min
Lab File: VL033170.D
Acq: 6 Feb 2019 2:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion:	43	Resp:	630265
Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.9	11.9
61	8.8	7.5	11.3
70	6.8	5.8	8.8

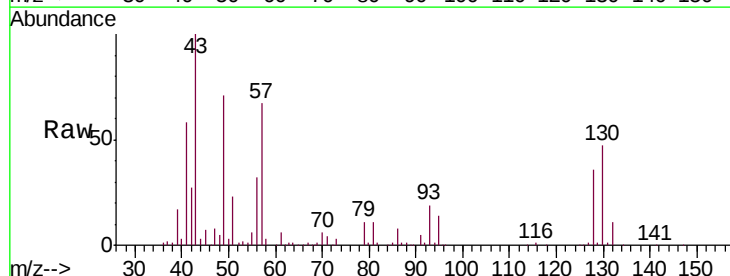


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

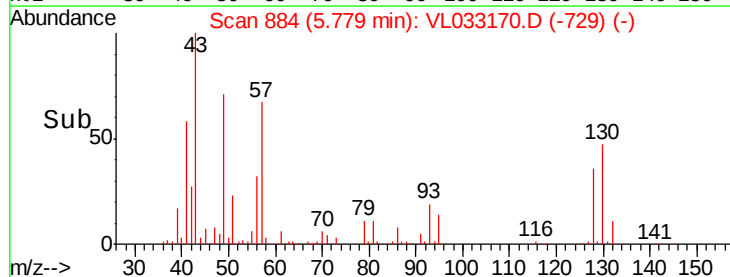
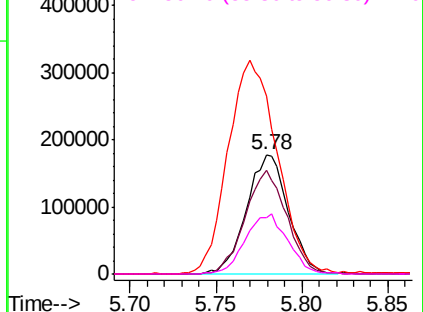


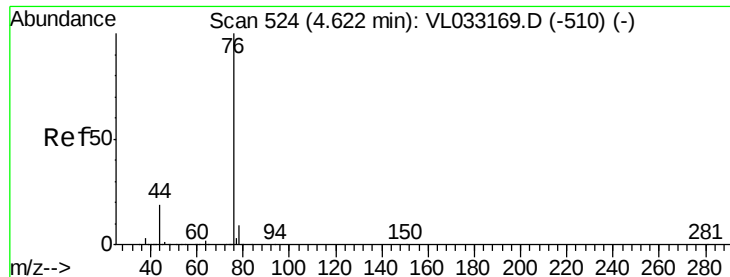
#26
Hexane
Concen: 2.153 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033170.D
Acq: 6 Feb 2019 2:31

Tgt Ion:	57	Resp:	298921
Ion	Ratio	Lower	Upper
57	100		
41	87.2	69.4	104.2
43	212.4	176.7	265.1
56	51.1	41.4	62.0



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: 1.872 ppbv

RT: 4.62 min Scan# 524

Delta R.T. 0.00 min

Lab File: VL033170.D

Acq: 6 Feb 2019 2:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

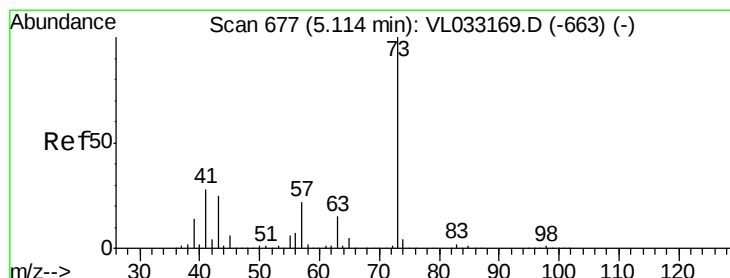
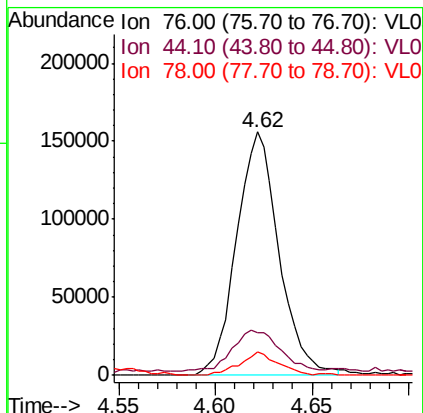
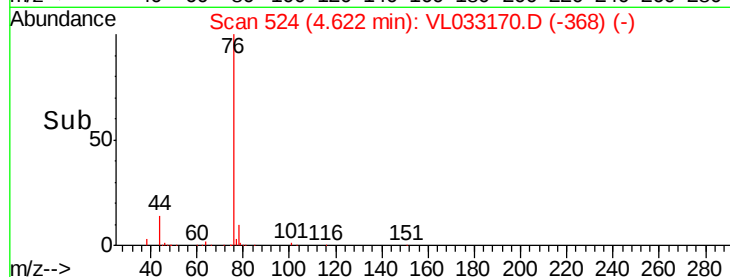
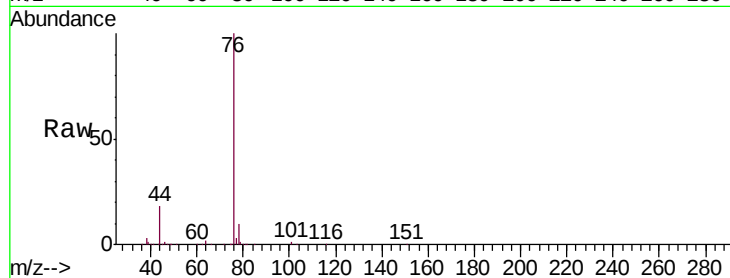
Tgt Ion: 76 Resp: 238089

Ion Ratio Lower Upper

76 100

44 19.8 15.0 22.4

78 9.2 7.4 11.0



#28

Methyl tert-Butyl Ether

Concen: 1.877 ppbv

RT: 5.12 min Scan# 678

Delta R.T. 0.00 min

Lab File: VL033170.D

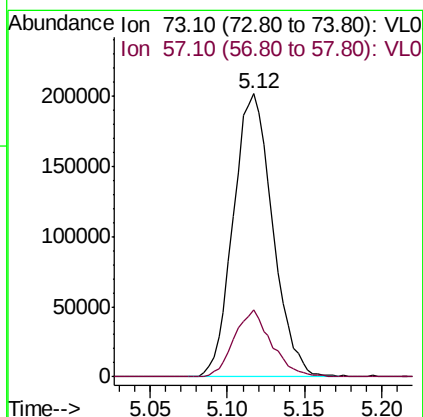
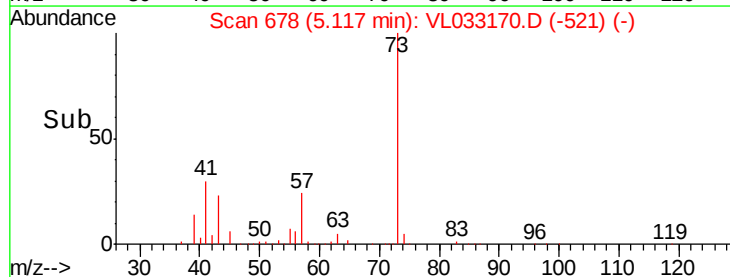
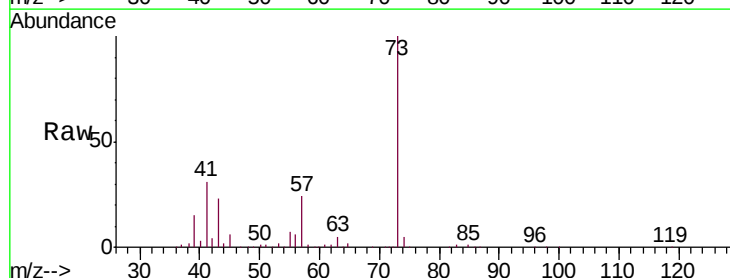
Acq: 6 Feb 2019 2:31

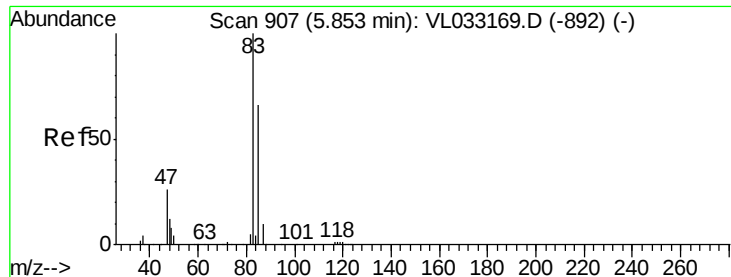
Tgt Ion: 73 Resp: 355942

Ion Ratio Lower Upper

73 100

57 22.7 17.9 26.9





#29

Chloroform

Concen: 2.129 ppbv

RT: 5.85 min Scan# 905

Delta R.T. -0.01 min

Lab File: VL033170.D

Acq: 6 Feb 2019 2:31

Instrument :

MSVOA_L

ClientSampleId :

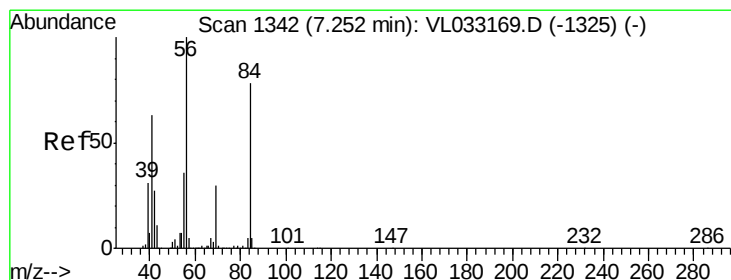
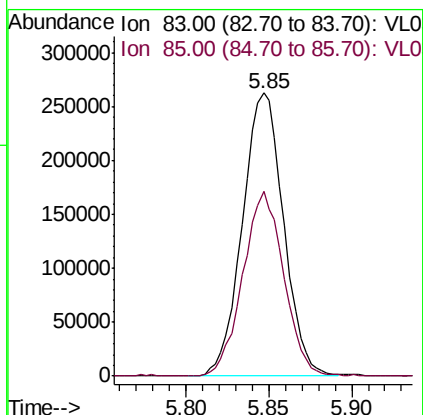
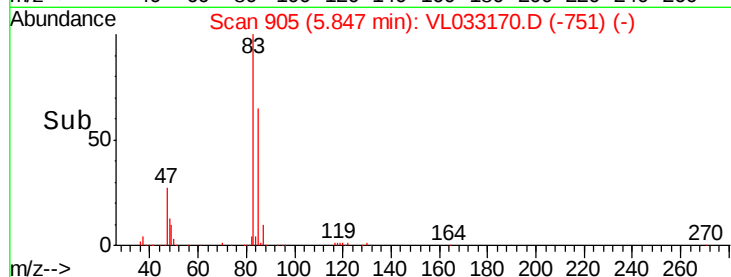
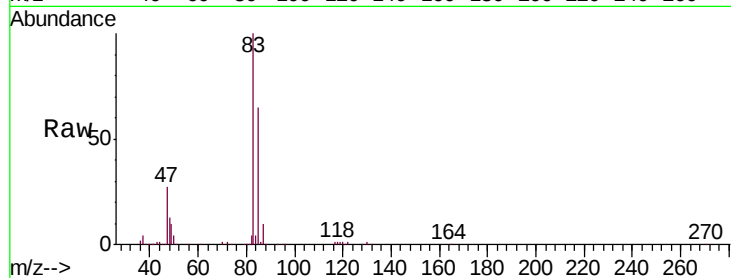
VSTDIC002

Tgt Ion: 83 Resp: 452936

Ion Ratio Lower Upper

83 100

85 65.2 52.6 78.8



#30

Cyclohexane

Concen: 1.890 ppbv

RT: 7.25 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VL033170.D

Acq: 6 Feb 2019 2:31

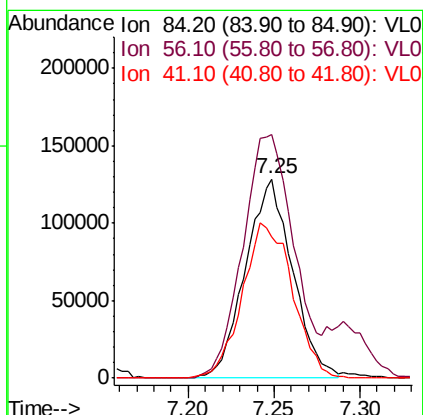
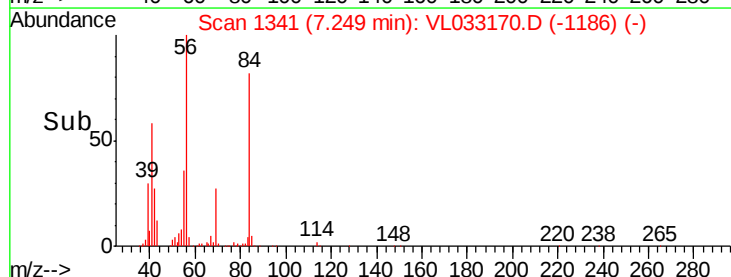
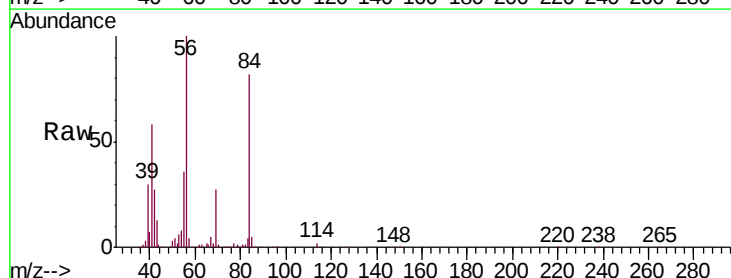
Tgt Ion: 84 Resp: 243447

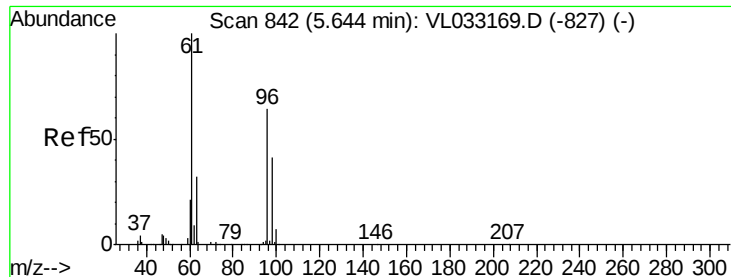
Ion Ratio Lower Upper

84 100

56 157.2 109.5 164.3

41 83.4 66.6 100.0

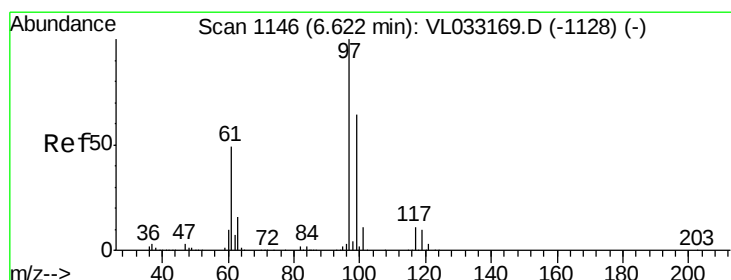
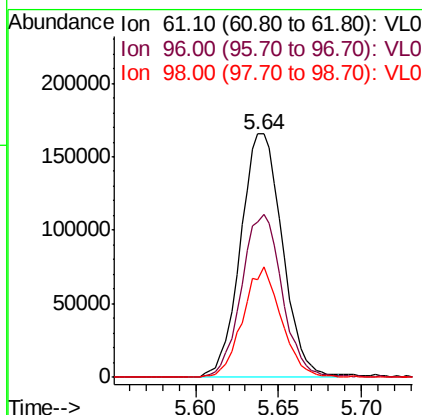
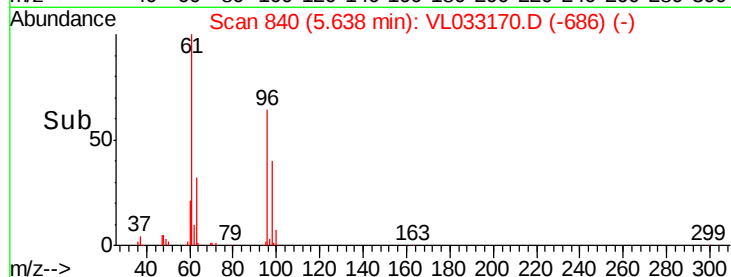
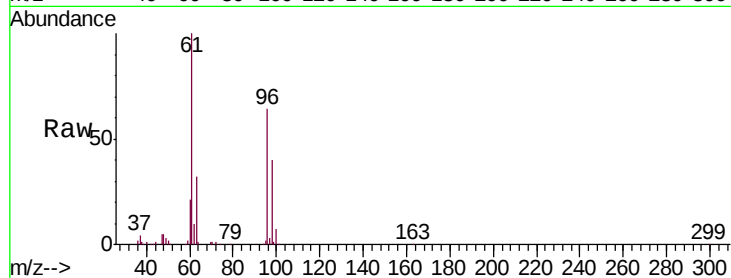




#31
 cis-1,2-Dichloroethene
 Concen: 2.090 ppbv
 RT: 5.64 min Scan# 840
 Delta R.T. -0.01 min
 Lab File: VL033170.D
 Acq: 6 Feb 2019 2:31

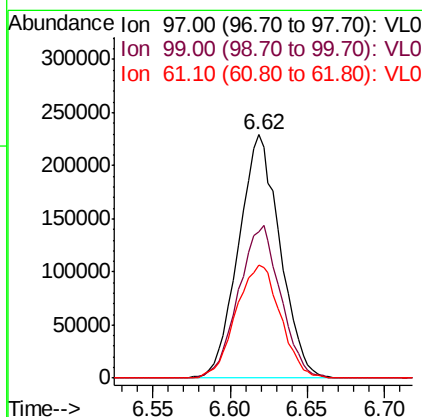
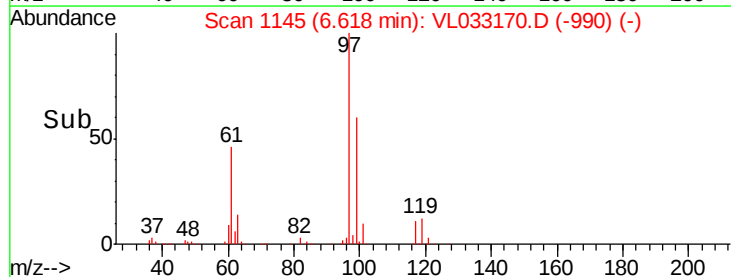
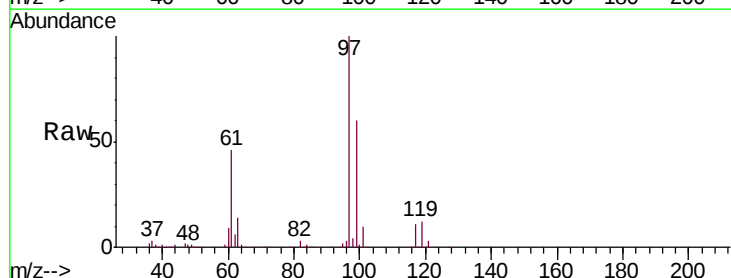
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

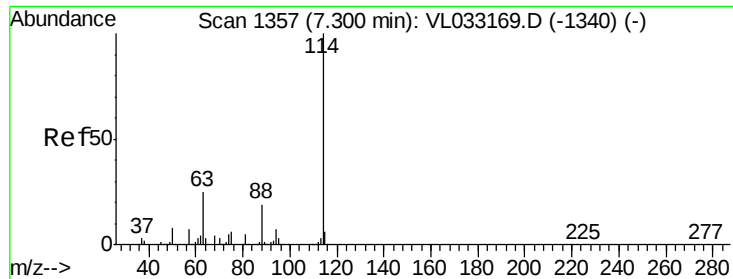
Tgt Ion	Ratio	Lower	Upper
61	100		
96	63.8	51.2	76.8
98	40.1	32.8	49.2



#32
 1,1,1-Trichloroethane
 Concen: 1.818 ppbv
 RT: 6.62 min Scan# 1145
 Delta R.T. -0.00 min
 Lab File: VL033170.D
 Acq: 6 Feb 2019 2:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.4	77.2
61	50.2	38.8	58.2

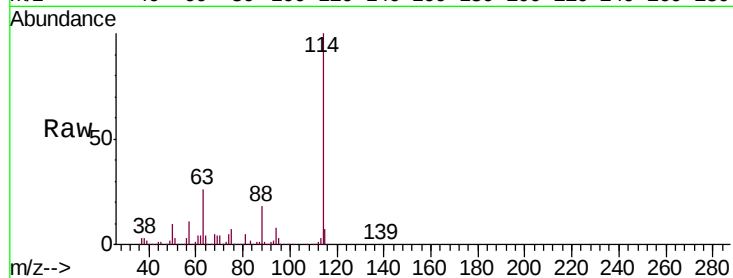




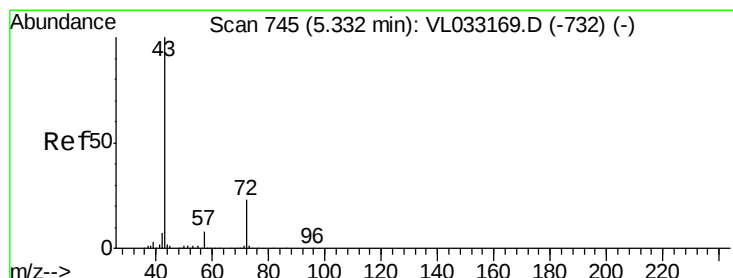
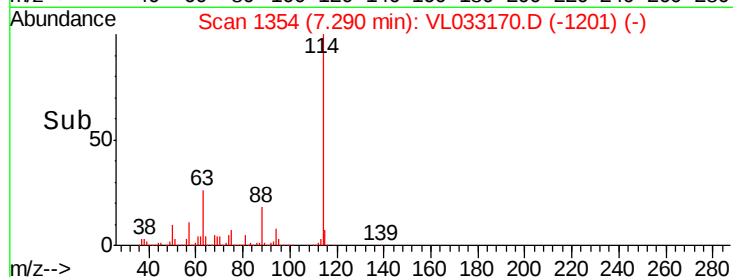
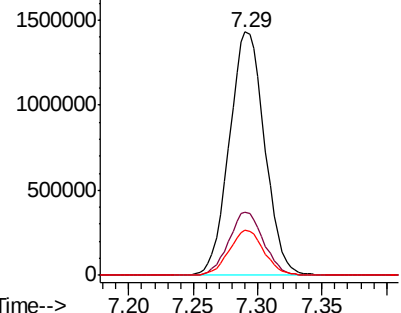
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1354
 Delta R.T. -0.01 min
 Lab File: VL033170.D
 Acq: 6 Feb 2019 2:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion:114 Resp: 2734213
 Ion Ratio Lower Upper
 114 100
 63 25.7 20.8 31.2
 88 18.3 14.6 22.0

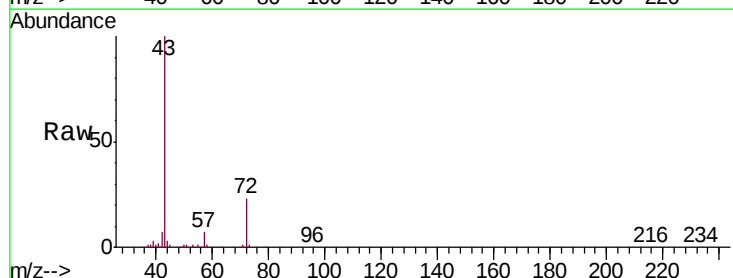


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

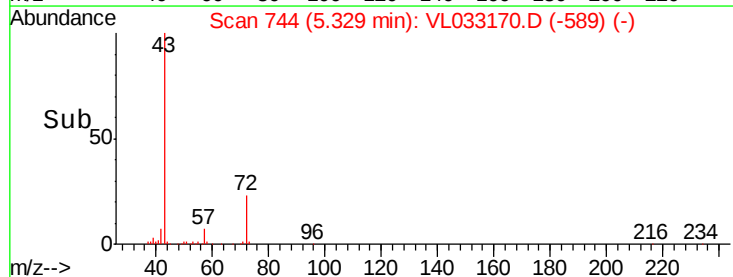
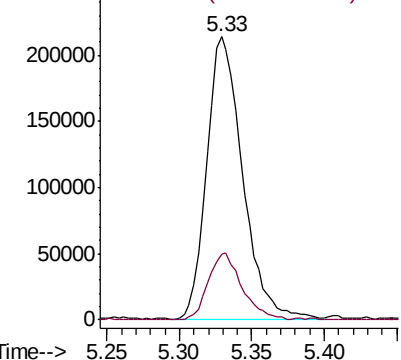


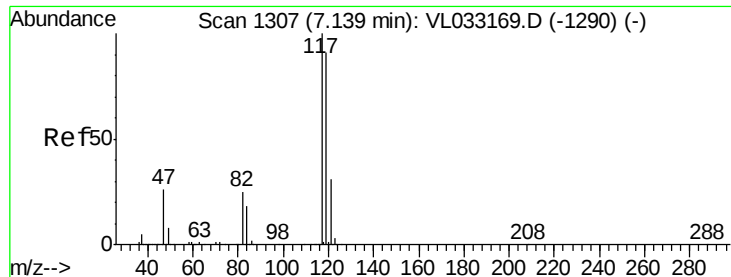
#34
 2-Butanone
 Concen: 2.112 ppbv
 RT: 5.33 min Scan# 744
 Delta R.T. -0.00 min
 Lab File: VL033170.D
 Acq: 6 Feb 2019 2:31

Tgt Ion: 43 Resp: 366374
 Ion Ratio Lower Upper
 43 100
 72 22.7 17.8 26.6



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





#35

Carbon Tetrachloride

Concen: 2.041 ppbv

RT: 7.14 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VL033170.D

Acq: 6 Feb 2019 2:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

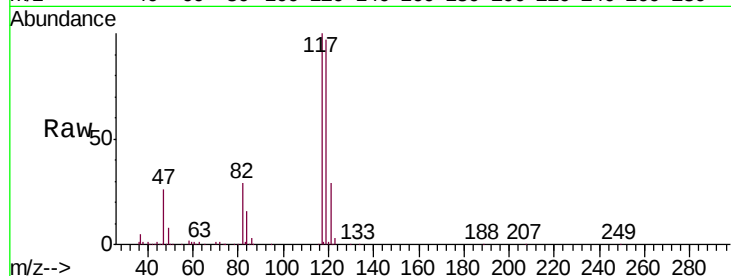
Tgt Ion: 117 Resp: 426098

Ion Ratio Lower Upper

117 100

119 96.9 73.0 109.6

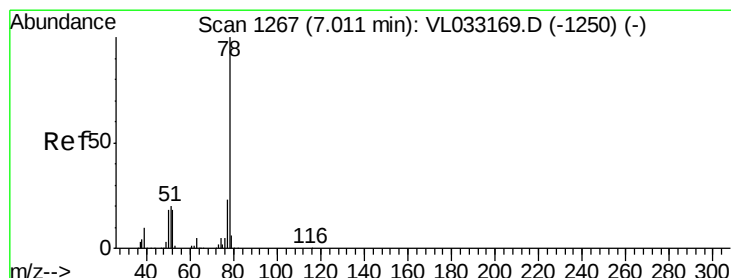
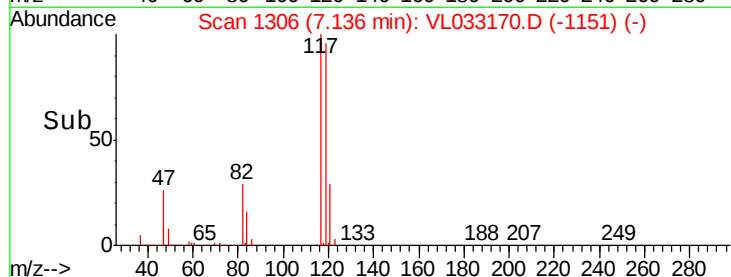
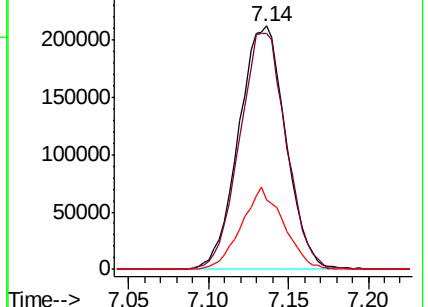
121 28.7 25.1 37.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 2.210 ppbv

RT: 7.00 min Scan# 1265

Delta R.T. -0.01 min

Lab File: VL033170.D

Acq: 6 Feb 2019 2:31

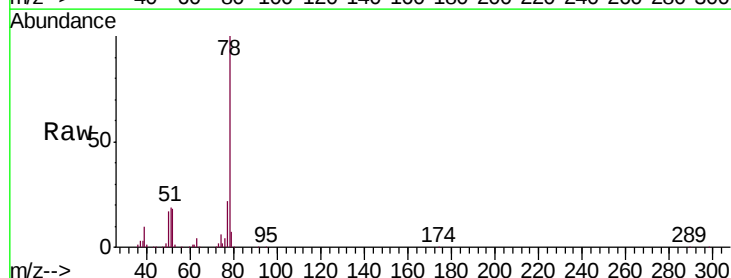
Tgt Ion: 78 Resp: 612464

Ion Ratio Lower Upper

78 100

77 22.1 18.0 27.0

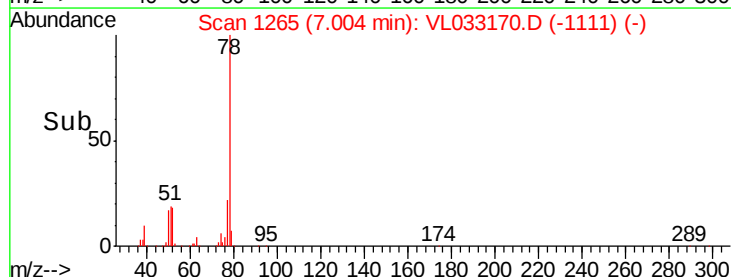
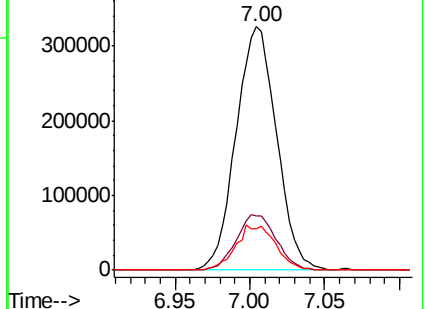
50 17.1 14.2 21.2

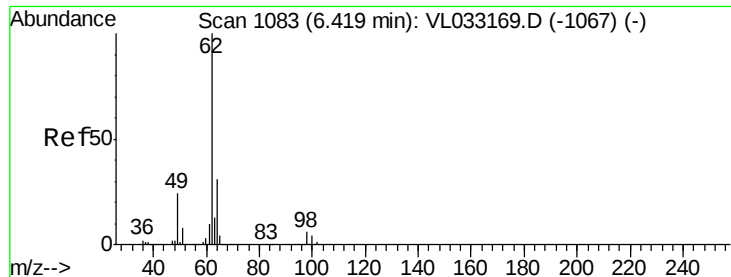


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

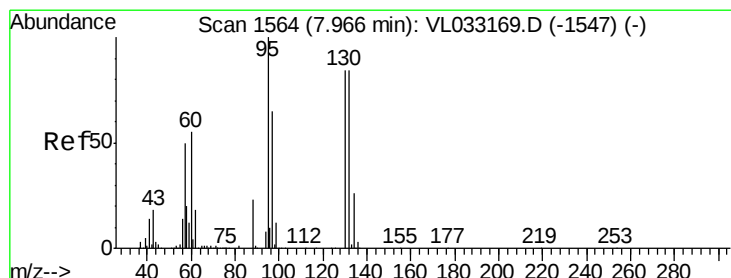
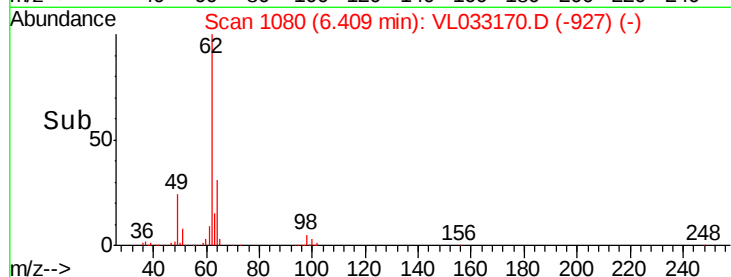
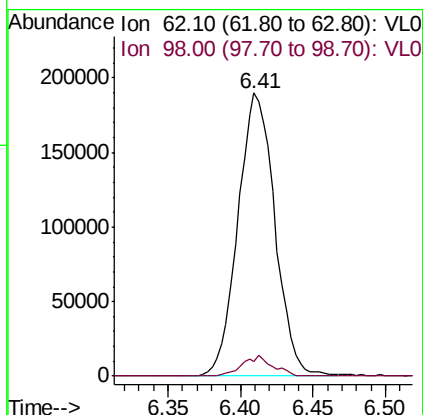
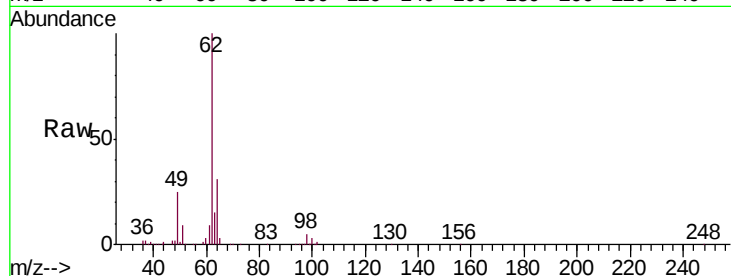




#37
 1,2-Dichloroethane
 Concen: 2.196 ppbv
 RT: 6.41 min Scan# 1080
 Delta R.T. -0.01 min
 Lab File: VL033170.D
 Acq: 6 Feb 2019 2:31

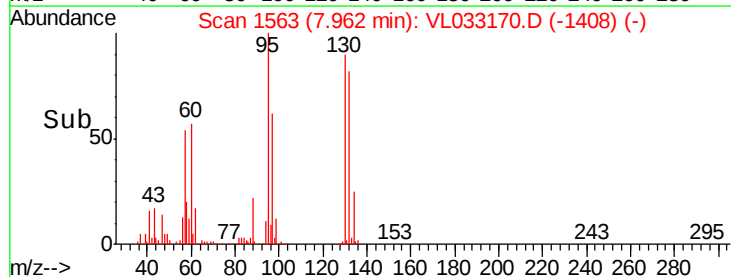
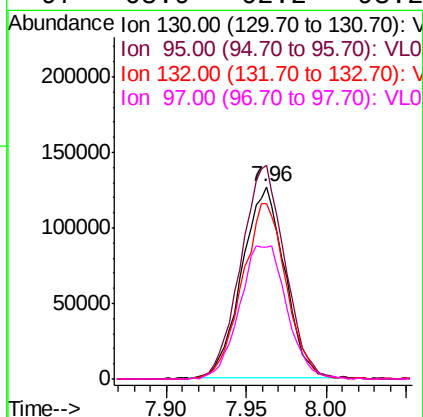
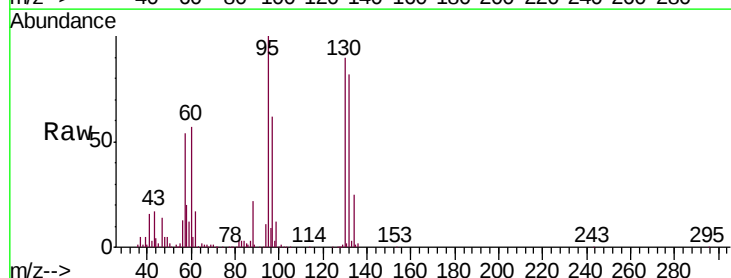
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

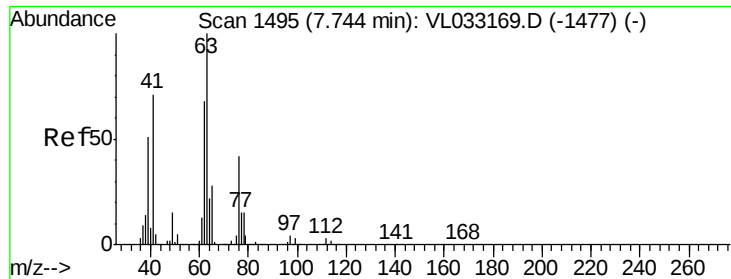
Tgt Ion: 62 Resp: 337243
 Ion Ratio Lower Upper
 62 100
 98 6.1 4.7 7.1



#38
 Trichloroethene
 Concen: 1.950 ppbv
 RT: 7.96 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: VL033170.D
 Acq: 6 Feb 2019 2:31

Tgt Ion: 130 Resp: 231353
 Ion Ratio Lower Upper
 130 100
 95 111.7 95.5 143.3
 132 91.9 80.0 120.0
 97 68.9 62.2 93.2





#39

1,2-Dichloropropane

Concen: 2.166 ppbv

RT: 7.73 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VL033170.D

Acq: 6 Feb 2019 2:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

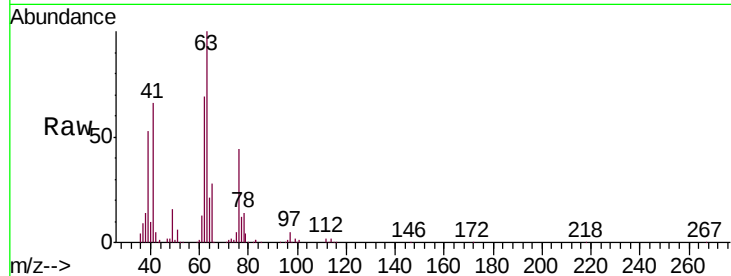
Tgt Ion: 63 Resp: 236997

Ion Ratio Lower Upper

63 100

41 66.0 56.4 84.6

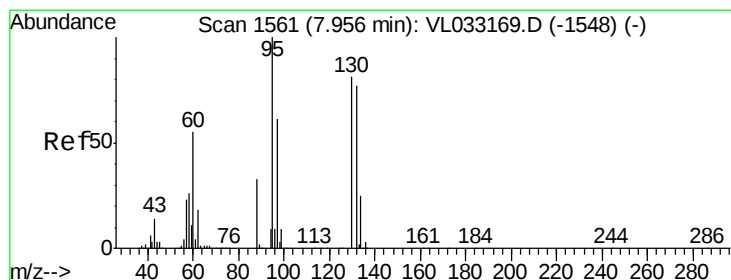
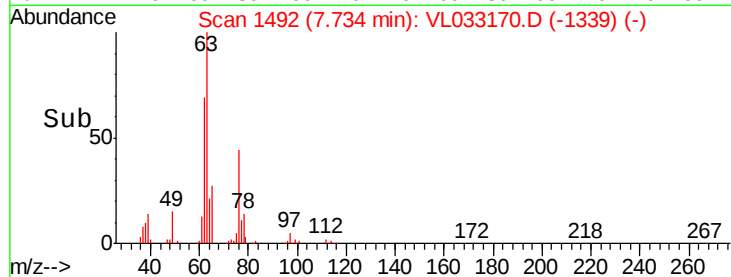
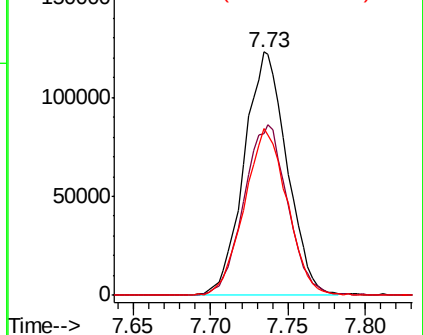
62 68.5 54.2 81.4



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 1.534 ppbv

RT: 7.97 min Scan# 1566

Delta R.T. 0.02 min

Lab File: VL033170.D

Acq: 6 Feb 2019 2:31

Tgt Ion: 88 Resp: 61002

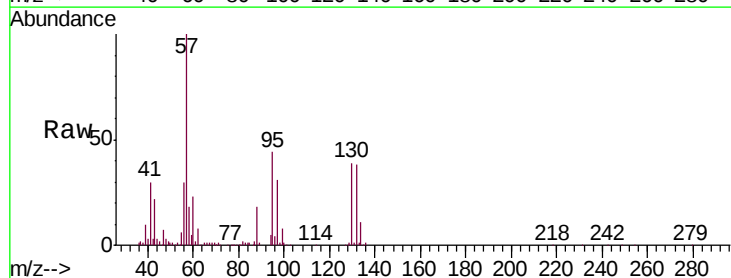
Ion Ratio Lower Upper

88 100

58 188.9 106.4 159.6#

43 0.0 219.6 329.4#

57 0.0 993.3 1489.9#

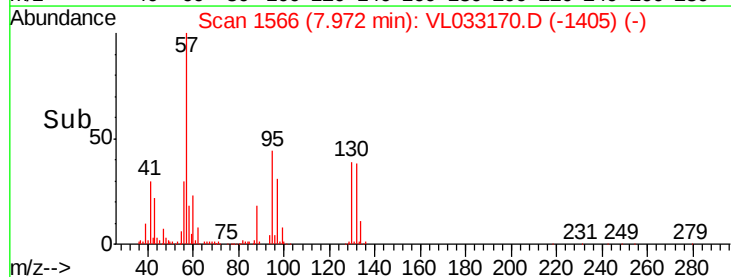
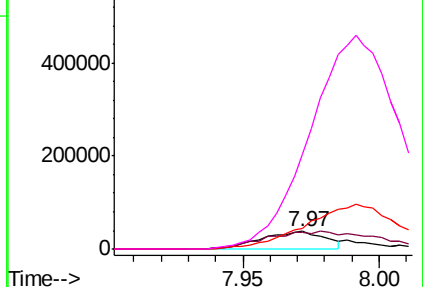


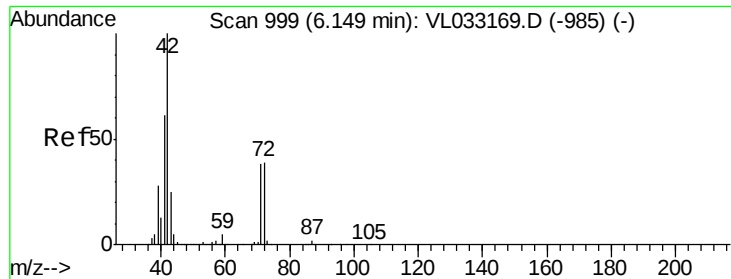
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

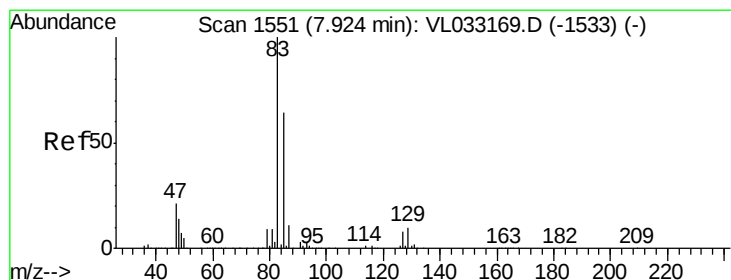
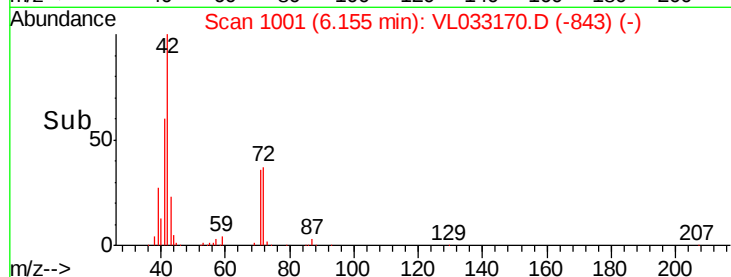
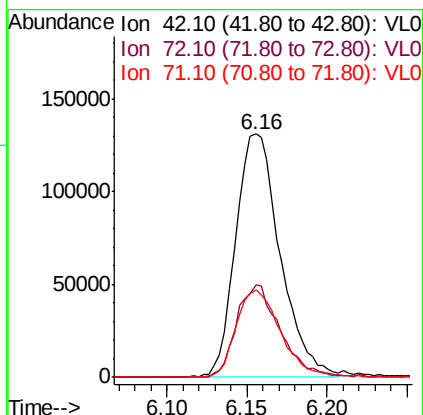
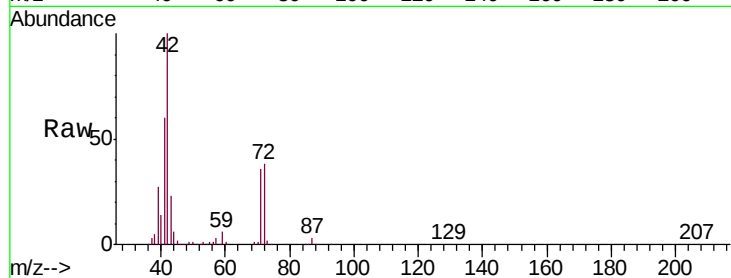




#41
Tetrahydrofuran
Concen: 2.314 ppbv
RT: 6.16 min Scan# 1001
Delta R.T. 0.01 min
Lab File: VL033170.D
Acq: 6 Feb 2019 2:31

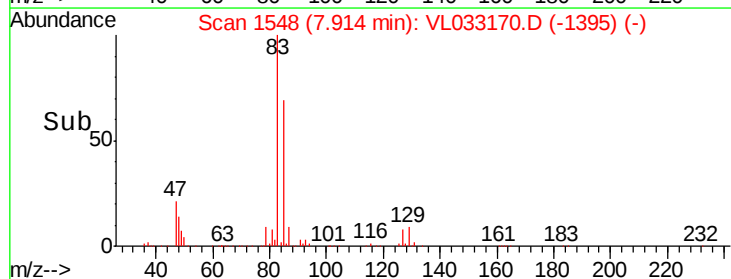
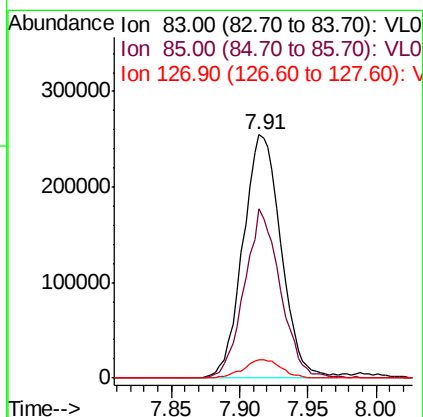
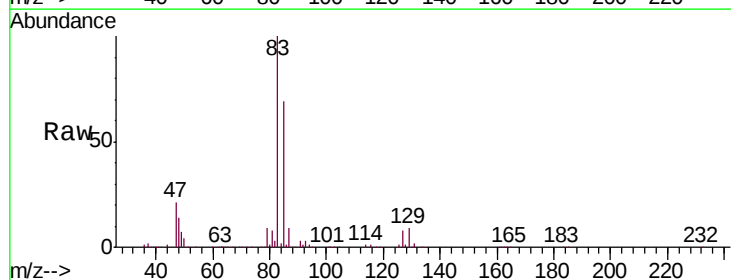
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

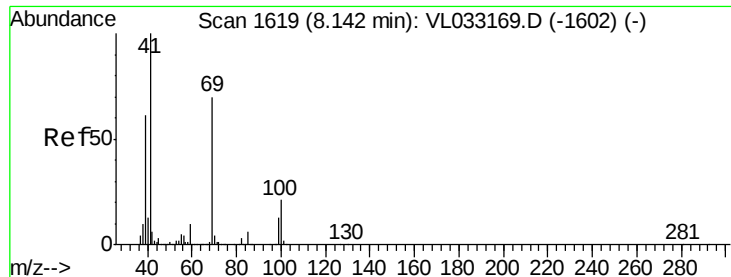
Tgt Ion: 42 Resp: 248400
Ion Ratio Lower Upper
42 100
72 37.7 31.4 47.2
71 36.2 30.2 45.2



#42
Bromodichloromethane
Concen: 2.221 ppbv
RT: 7.91 min Scan# 1548
Delta R.T. -0.01 min
Lab File: VL033170.D
Acq: 6 Feb 2019 2:31

Tgt Ion: 83 Resp: 494314
Ion Ratio Lower Upper
83 100
85 69.4 51.1 76.7
127 7.7 6.4 9.6

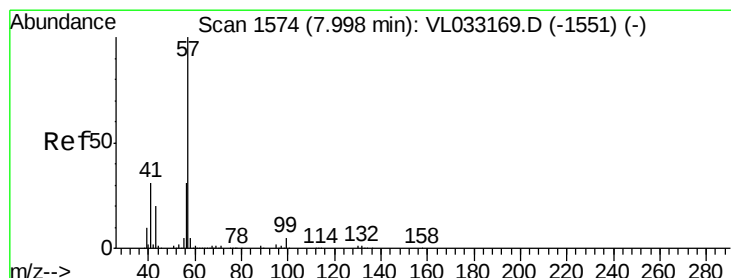
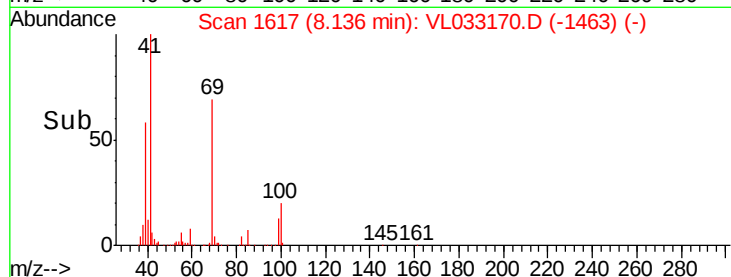
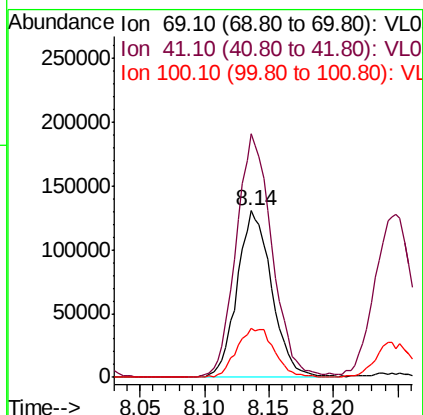
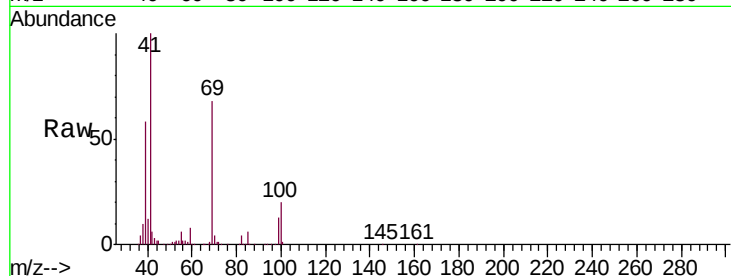




#43
Methyl Methacrylate
Concen: 2.195 ppbv
RT: 8.14 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VL033170.D
Acq: 6 Feb 2019 2:31

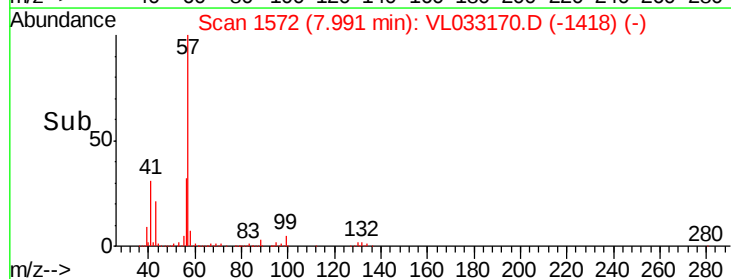
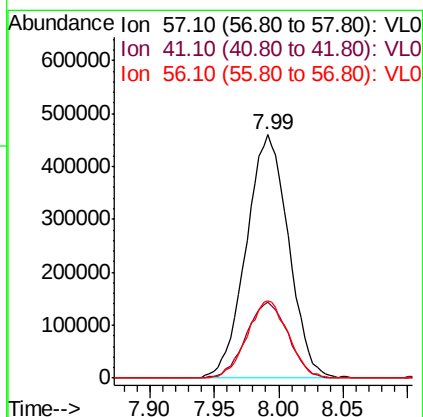
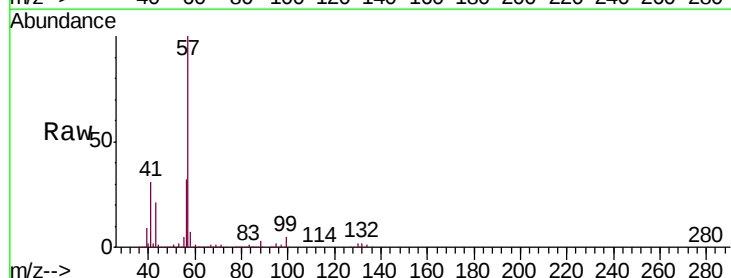
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

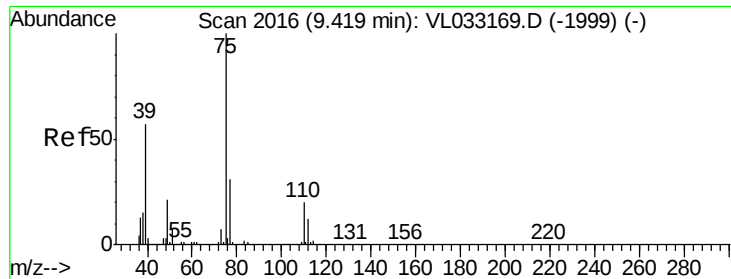
Tgt Ion: 69 Resp: 244244
Ion Ratio Lower Upper
69 100
41 150.0 117.1 175.7
100 31.9 25.0 37.6



#44
2,2,4-Trimethylpentane
Concen: 2.243 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.01 min
Lab File: VL033170.D
Acq: 6 Feb 2019 2:31

Tgt Ion: 57 Resp: 1053378
Ion Ratio Lower Upper
57 100
41 31.1 25.2 37.8
56 30.9 24.5 36.7

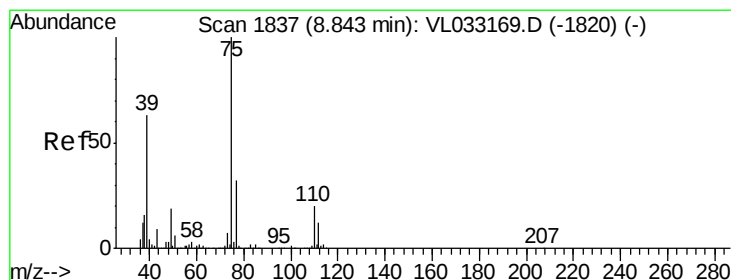
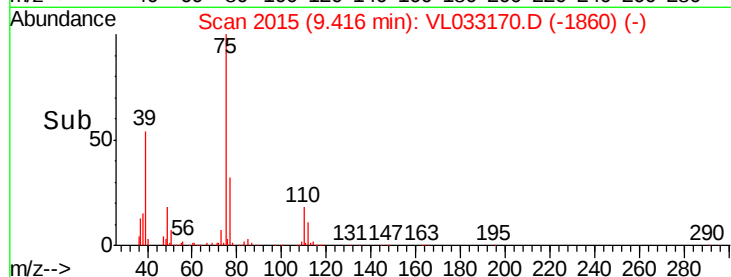
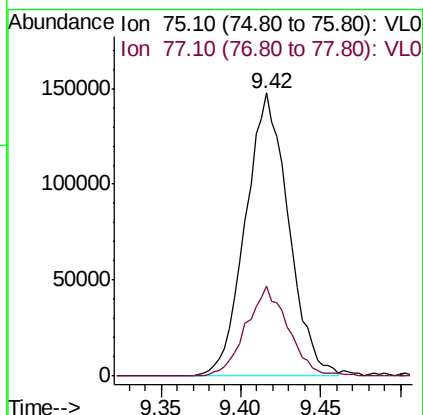
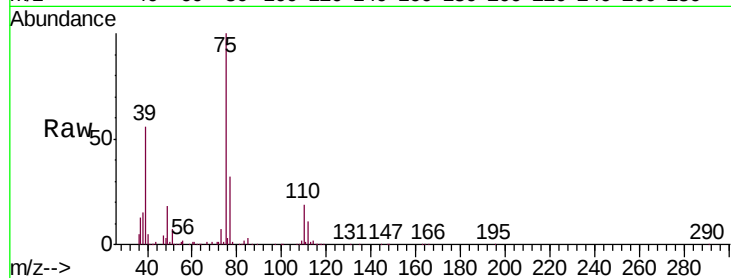




#45
 t-1,3-Dichloropropene
 Concen: 2.208 ppbv
 RT: 9.42 min Scan# 2015
 Delta R.T. -0.00 min
 Lab File: VL033170.D
 Acq: 6 Feb 2019 2:31

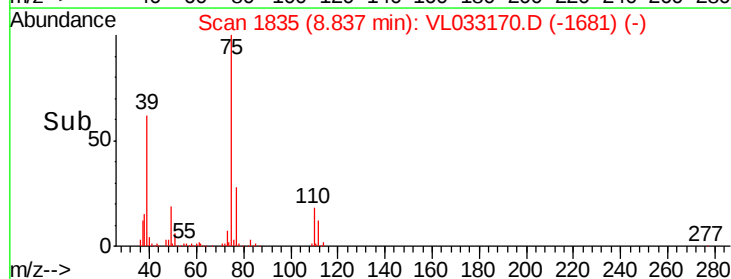
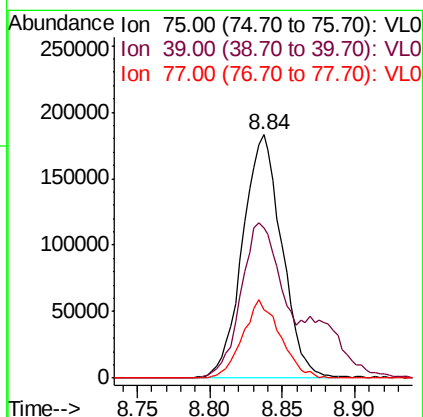
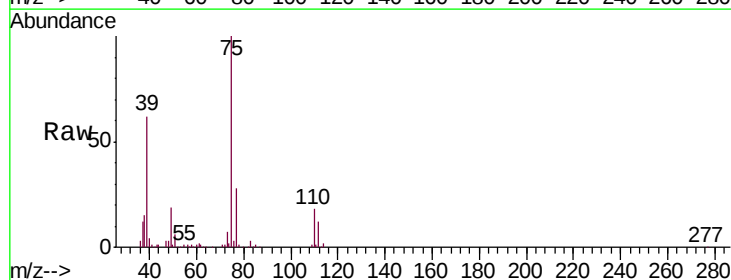
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

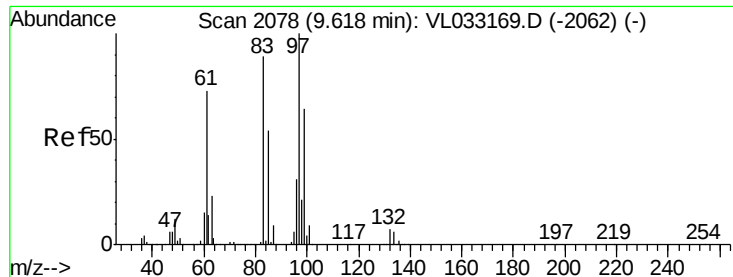
Tgt Ion: 75 Resp: 272832
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.0 37.4



#46
 cis-1,3-Dichloropropene
 Concen: 2.193 ppbv
 RT: 8.84 min Scan# 1835
 Delta R.T. -0.01 min
 Lab File: VL033170.D
 Acq: 6 Feb 2019 2:31

Tgt Ion: 75 Resp: 345272
 Ion Ratio Lower Upper
 75 100
 39 61.7 50.1 75.1
 77 27.9 25.4 38.2





#47

1,1,2-Trichloroethane

Concen: 2.162 ppbv

RT: 9.61 min Scan# 2076

Delta R.T. -0.01 min

Lab File: VL033170.D

Acq: 6 Feb 2019 2:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 97 Resp: 245521

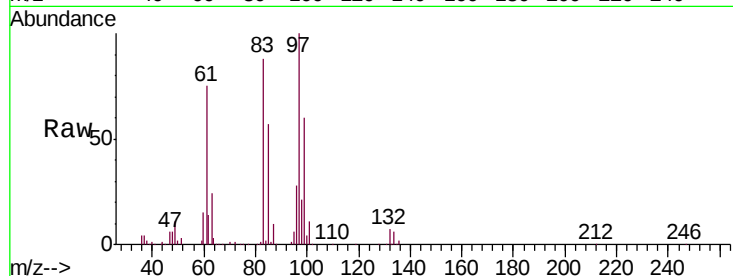
Ion Ratio Lower Upper

97 100

83 88.2 71.4 107.2

85 56.7 43.5 65.3

99 60.2 51.4 77.0

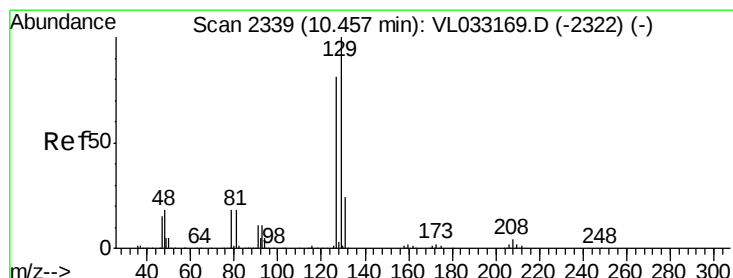
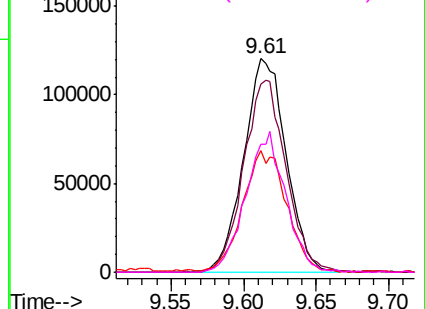
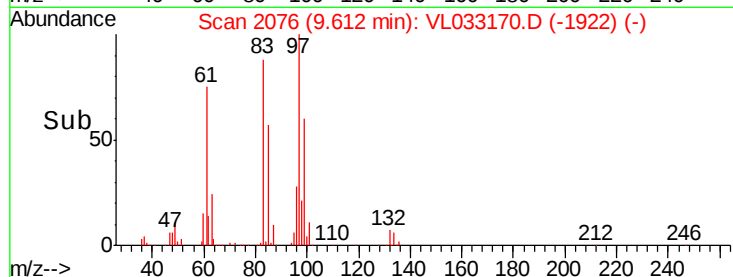


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 2.191 ppbv

RT: 10.45 min Scan# 2338

Delta R.T. -0.00 min

Lab File: VL033170.D

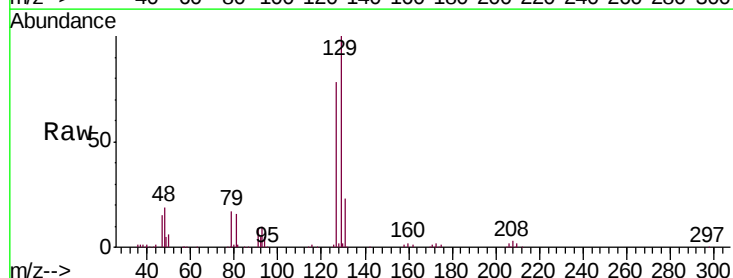
Acq: 6 Feb 2019 2:31

Tgt Ion: 129 Resp: 391673

Ion Ratio Lower Upper

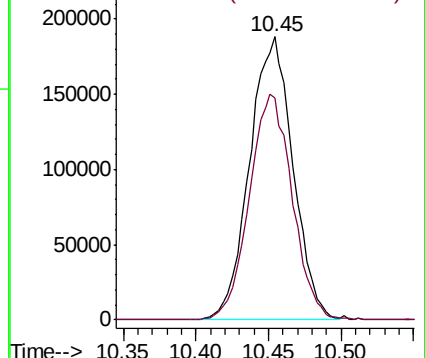
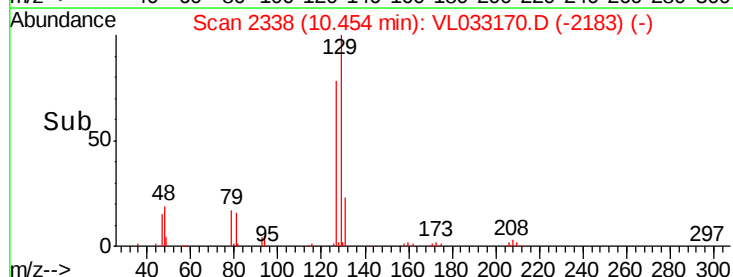
129 100

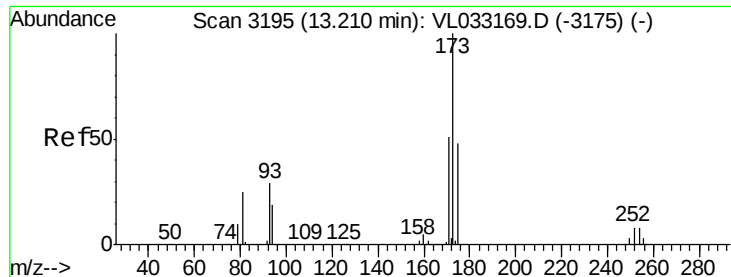
127 78.9 39.1 117.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 2.222 ppbv

RT: 13.20 min Scan# 3193

Delta R.T. -0.01 min

Lab File: VL033170.D

Acq: 6 Feb 2019 2:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

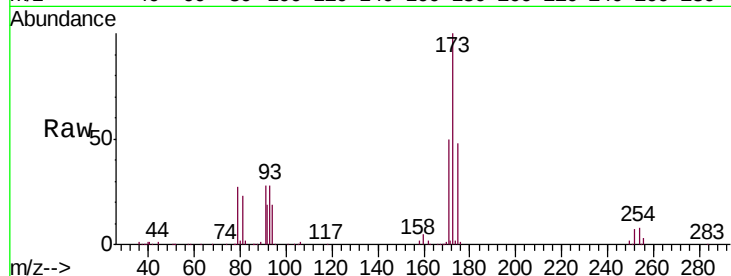
Tgt Ion:173 Resp: 341741

Ion Ratio Lower Upper

173 100

175 48.1 38.6 58.0

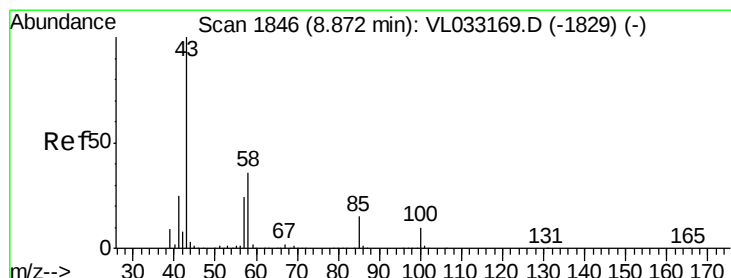
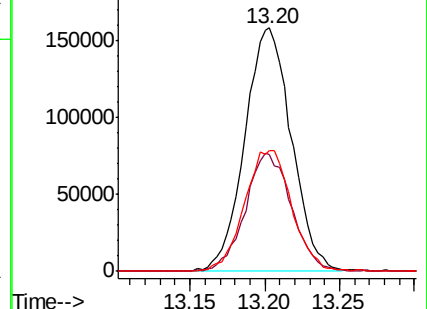
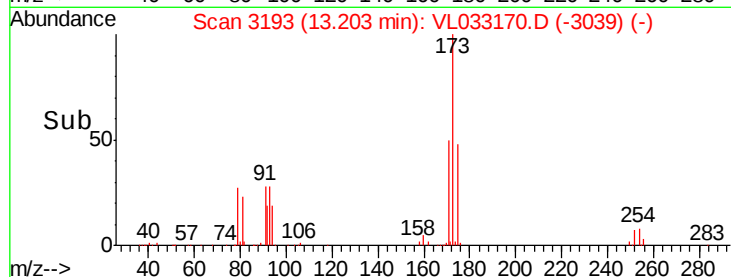
171 50.9 41.6 62.4



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: 2.217 ppbv

RT: 8.88 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VL033170.D

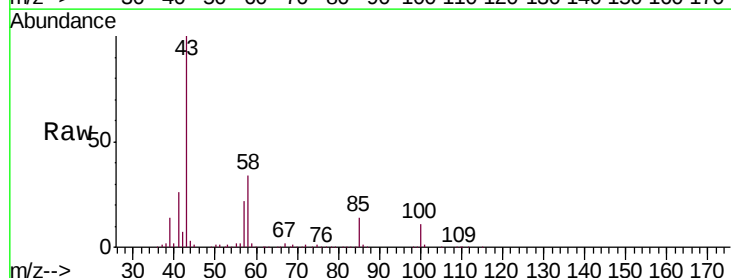
Acq: 6 Feb 2019 2:31

Tgt Ion: 43 Resp: 616659

Ion Ratio Lower Upper

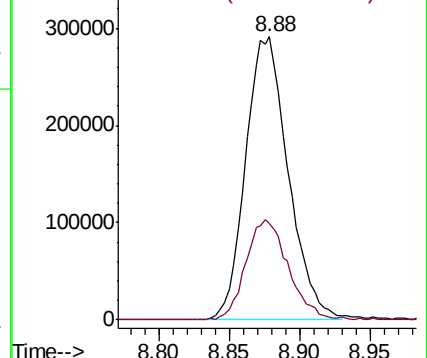
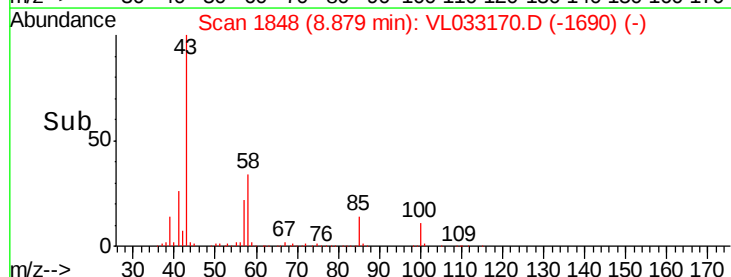
43 100

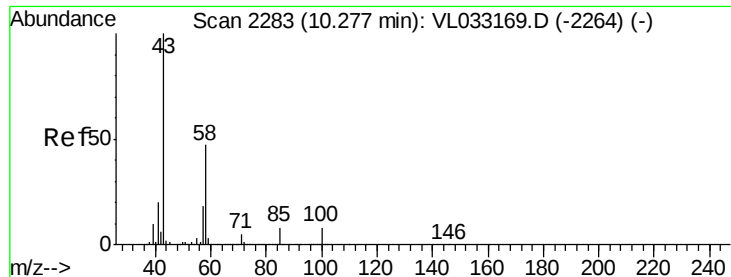
58 35.4 29.0 43.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

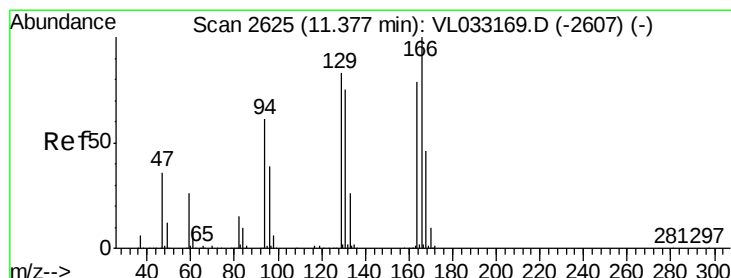
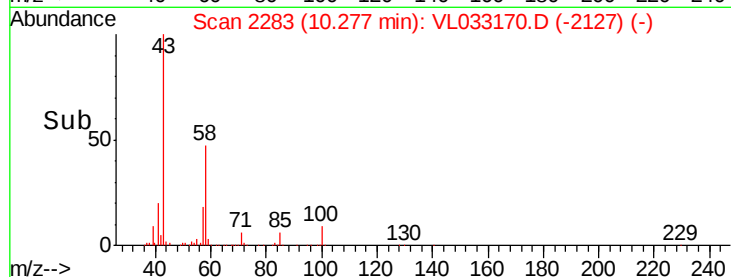
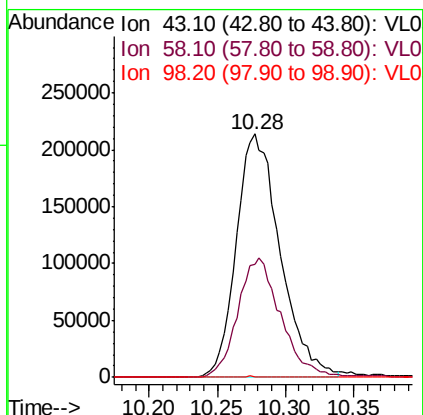
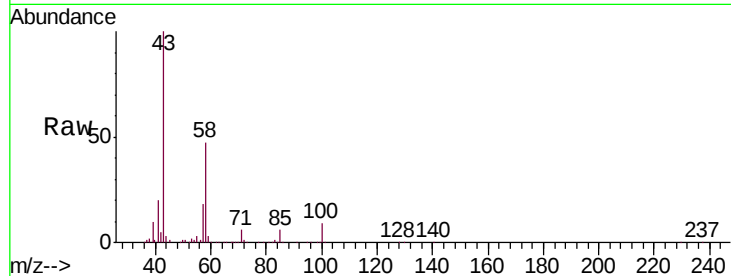




#51
2-Hexanone
Concen: 2.168 ppbv
RT: 10.28 min Scan# 2283
Delta R.T. 0.00 min
Lab File: VL033170.D
Acq: 6 Feb 2019 2:31

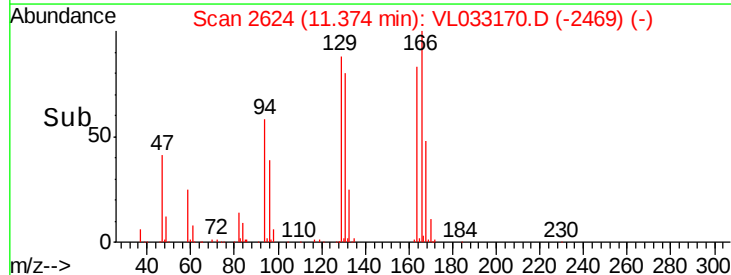
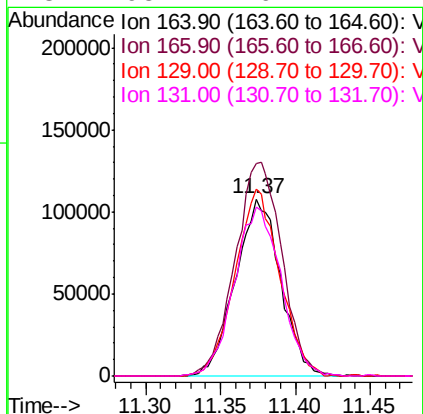
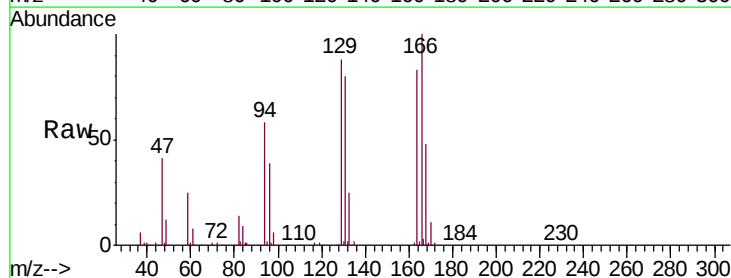
Instrument :
MSVOA_L
ClientSampled :
VSTDIC002

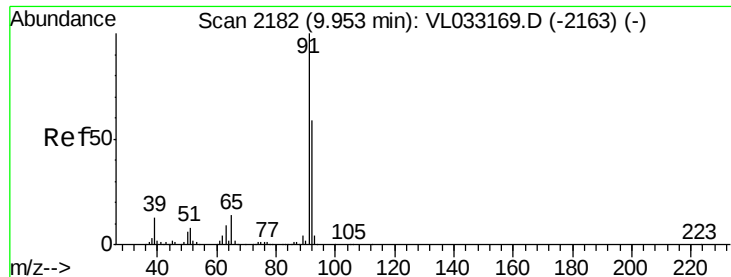
Tgt Ion: 43 Resp: 475388
Ion Ratio Lower Upper
43 100
58 48.7 39.0 58.6
98 0.2 0.1 0.1#



#52
Tetrachloroethene
Concen: 2.118 ppbv
RT: 11.37 min Scan# 2624
Delta R.T. -0.00 min
Lab File: VL033170.D
Acq: 6 Feb 2019 2:31

Tgt Ion: 164 Resp: 225440
Ion Ratio Lower Upper
164 100
166 119.4 100.9 151.3
129 105.5 83.9 125.9
131 95.2 76.2 114.2





#53

Toluene

Concen: 2.211 ppbv

RT: 9.95 min Scan# 2180

Delta R.T. -0.01 min

Lab File: VL033170.D

Acq: 6 Feb 2019 2:31

Instrument :

MSVOA_L

ClientSampleId :

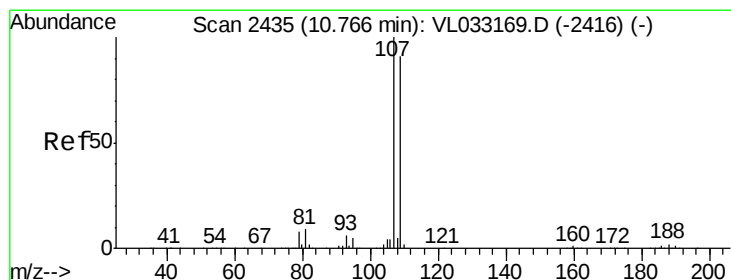
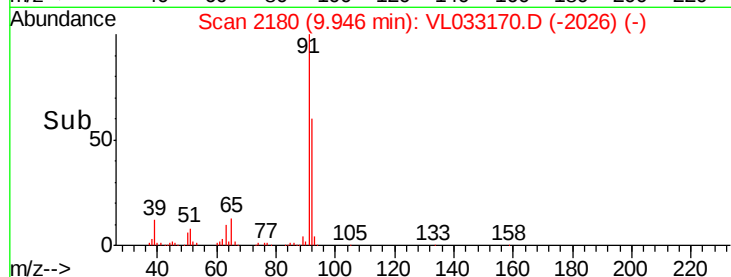
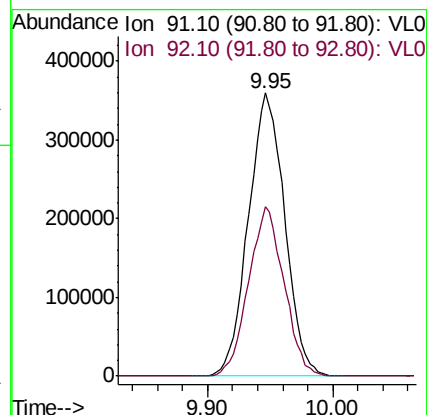
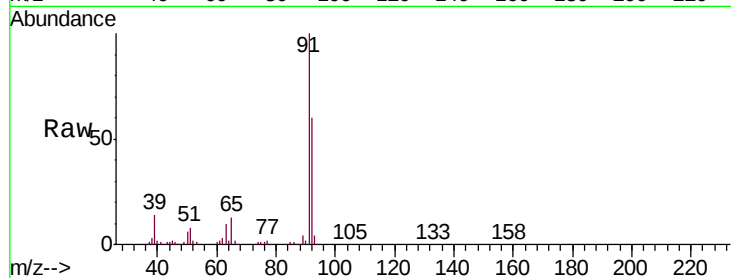
VSTDIC002

Tgt Ion: 91 Resp: 725403

Ion Ratio Lower Upper

91 100

92 58.5 48.0 72.0



#54

1,2-Dibromoethane

Concen: 2.153 ppbv

RT: 10.76 min Scan# 2433

Delta R.T. -0.01 min

Lab File: VL033170.D

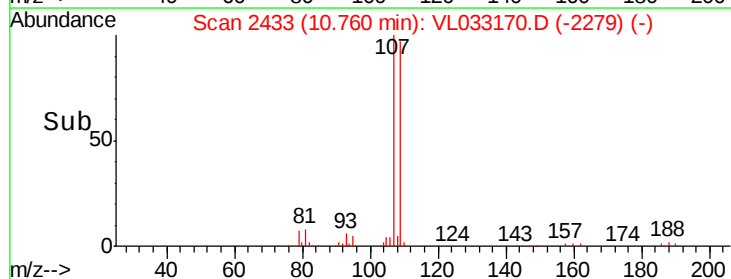
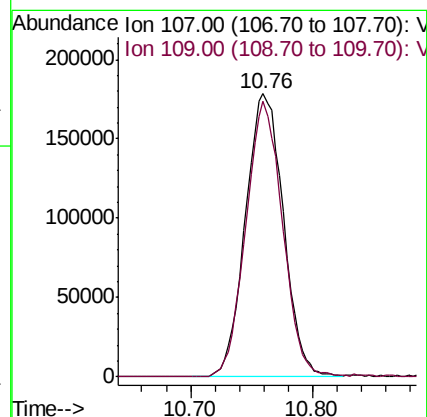
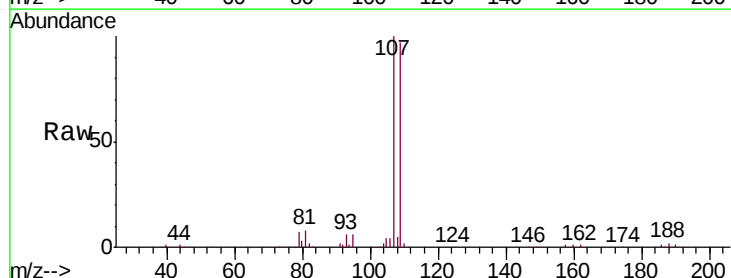
Acq: 6 Feb 2019 2:31

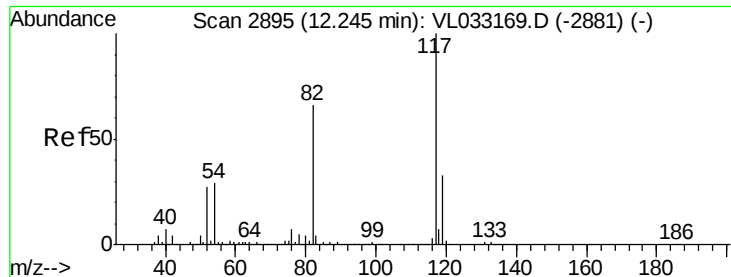
Tgt Ion: 107 Resp: 383461

Ion Ratio Lower Upper

107 100

109 97.3 73.2 109.8

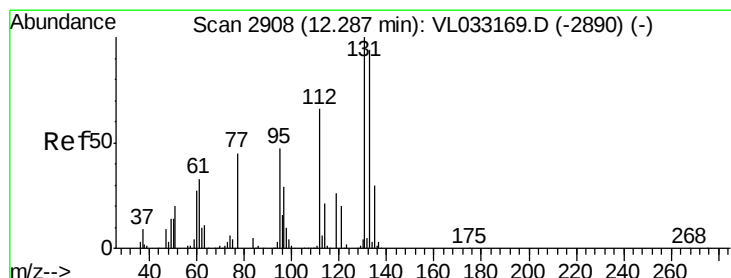
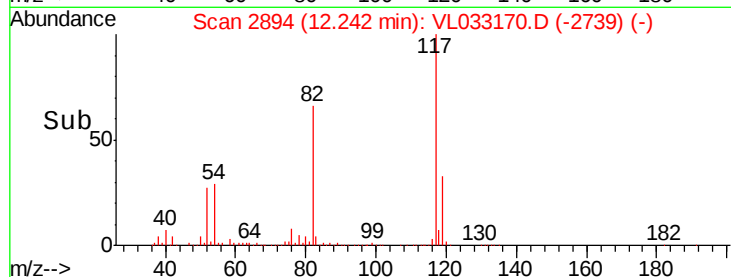
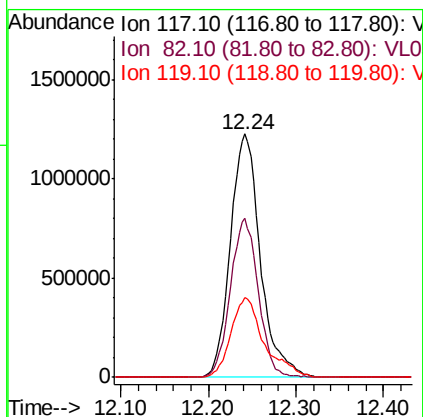
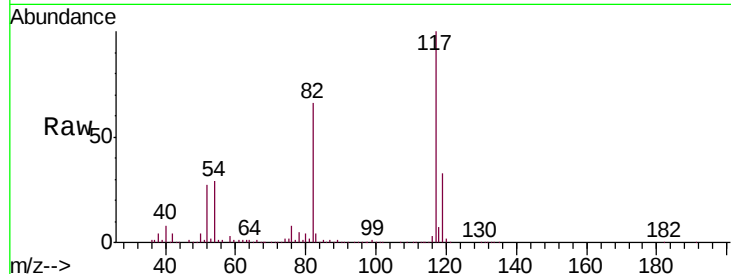




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL033170.D
Acq: 6 Feb 2019 2:31

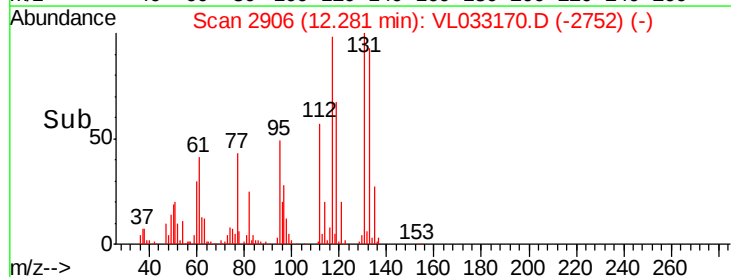
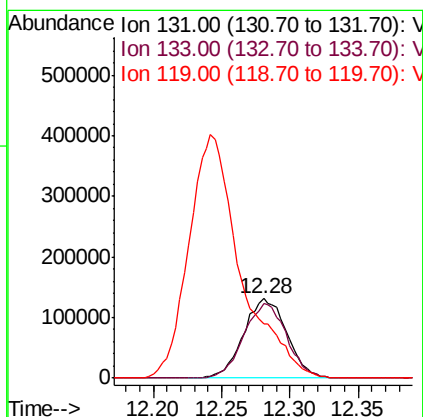
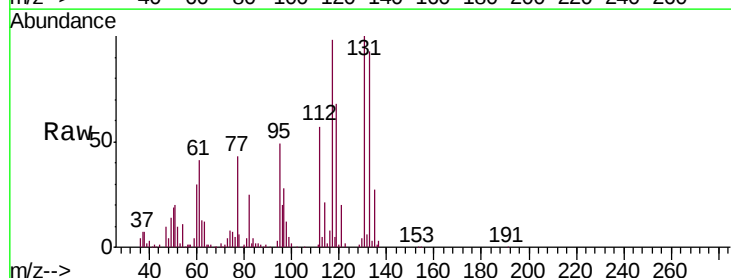
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

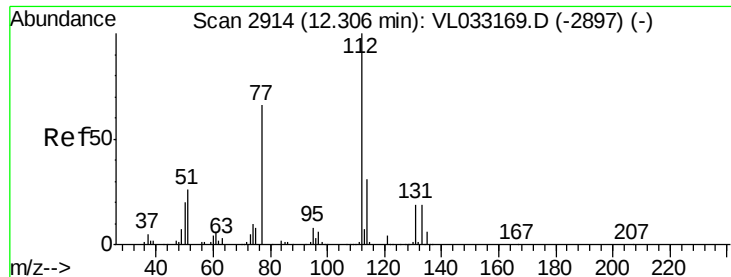
Tgt Ion:117 Resp: 2920195
Ion Ratio Lower Upper
117 100
82 60.9 53.8 80.8
119 36.3 46.9 70.3#



#56
1,1,1,2-Tetrachloroethane
Concen: 2.126 ppbv
RT: 12.28 min Scan# 2906
Delta R.T. -0.01 min
Lab File: VL033170.D
Acq: 6 Feb 2019 2:31

Tgt Ion:131 Resp: 289203
Ion Ratio Lower Upper
131 100
133 93.4 75.8 113.6
119 366.1 48.1 72.1#





#57

Chlorobenzene

Concen: 2.101 ppbv

RT: 12.30 min Scan# 2912

Delta R.T. -0.01 min

Lab File: VL033170.D

Acq: 6 Feb 2019 2:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

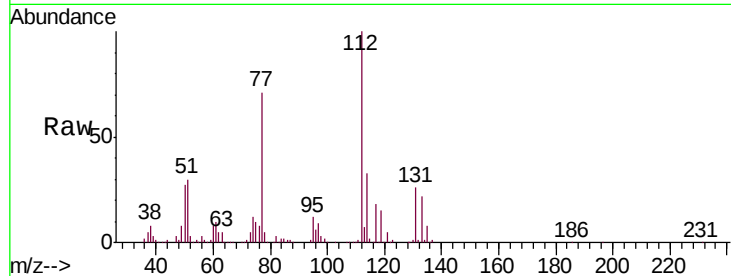
Tgt Ion: 112 Resp: 543277

Ion Ratio Lower Upper

112 100

77 70.5 54.0 81.0

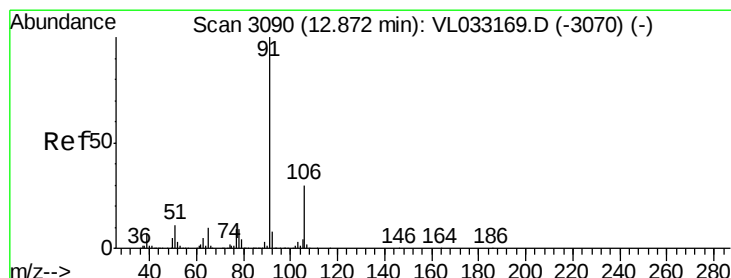
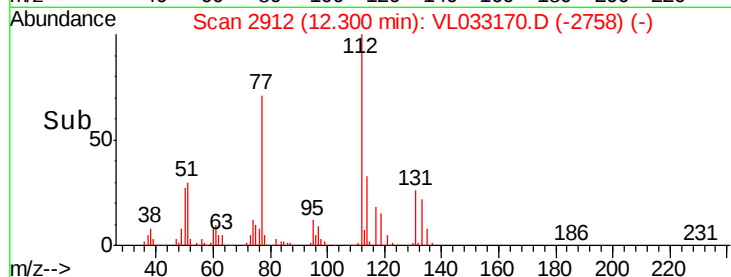
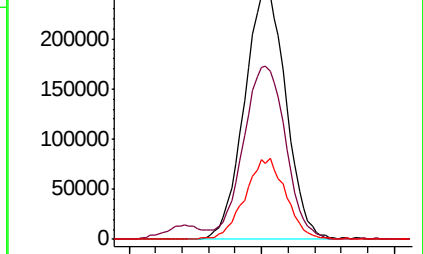
114 32.7 27.9 34.1



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: 2.091 ppbv

RT: 12.87 min Scan# 3089

Delta R.T. -0.00 min

Lab File: VL033170.D

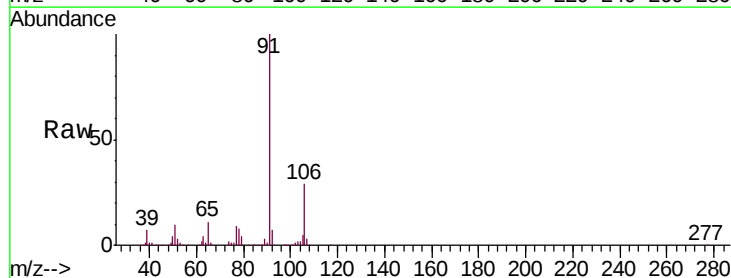
Acq: 6 Feb 2019 2:31

Tgt Ion: 91 Resp: 1002465

Ion Ratio Lower Upper

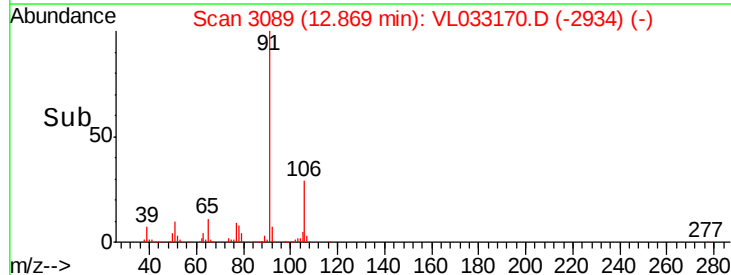
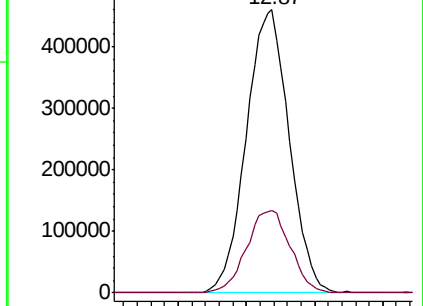
91 100

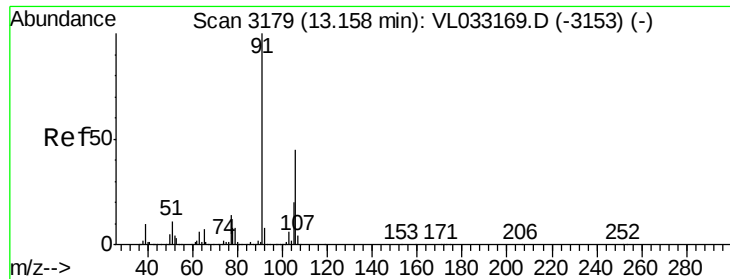
106 28.9 23.8 35.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

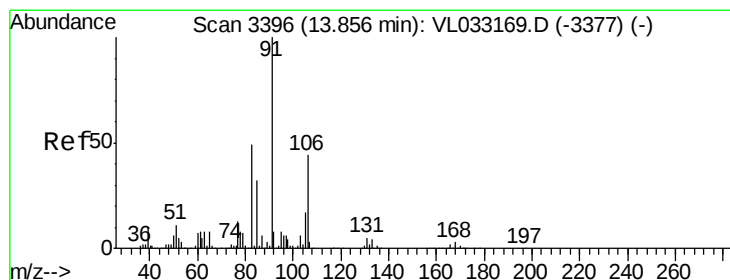
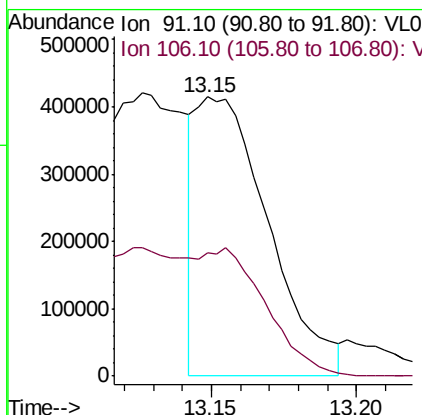
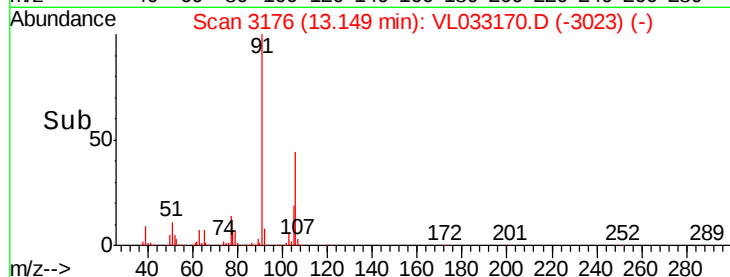
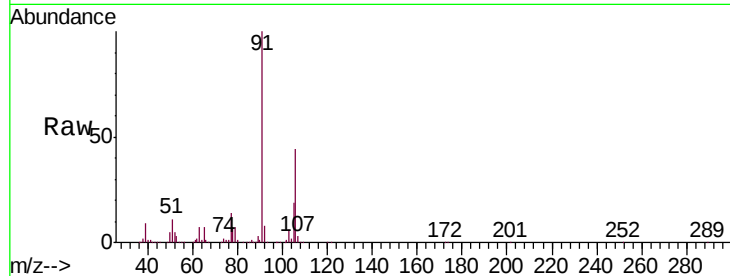




#59
m/p-Xylene
Concen: 1.786 ppbv
RT: 13.15 min Scan# 3176
Delta R.T. -0.01 min
Lab File: VL033170.D
Acq: 6 Feb 2019 2:31

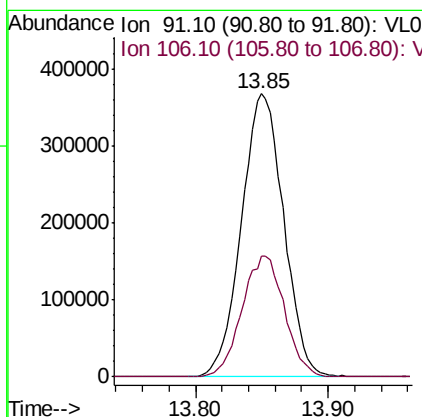
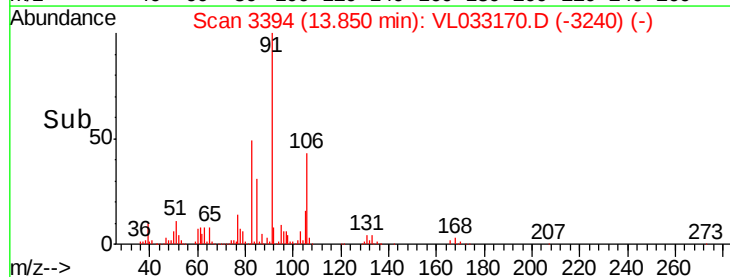
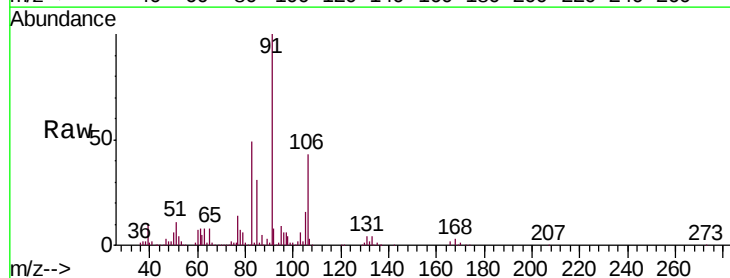
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

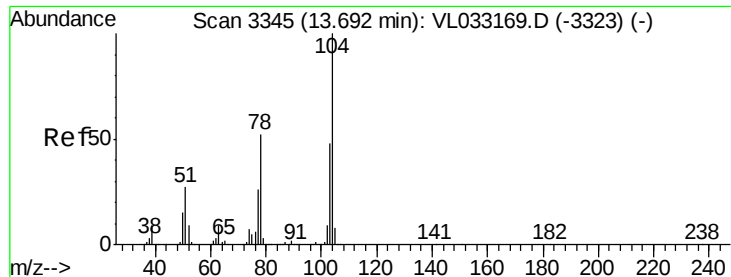
Tgt Ion: 91 Resp: 712084
Ion Ratio Lower Upper
91 100
106 0.0 36.6 55.0#



#60
o-Xylene
Concen: 2.089 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. -0.01 min
Lab File: VL033170.D
Acq: 6 Feb 2019 2:31

Tgt Ion: 91 Resp: 812324
Ion Ratio Lower Upper
91 100
106 43.2 21.8 65.3

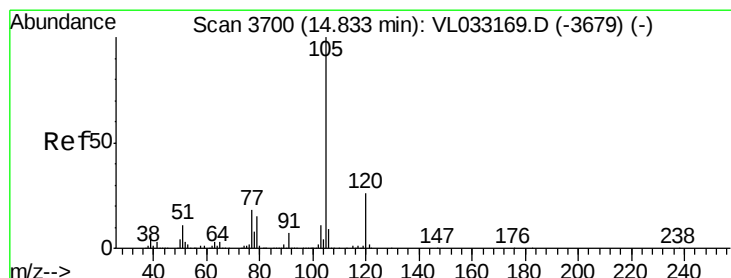
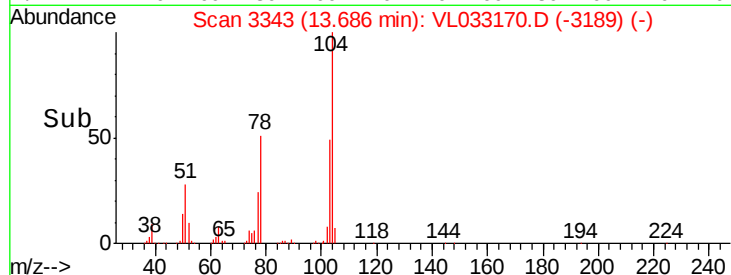
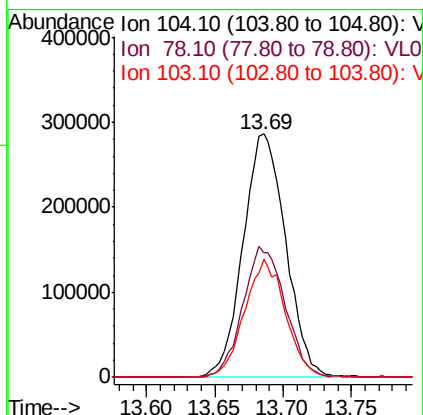
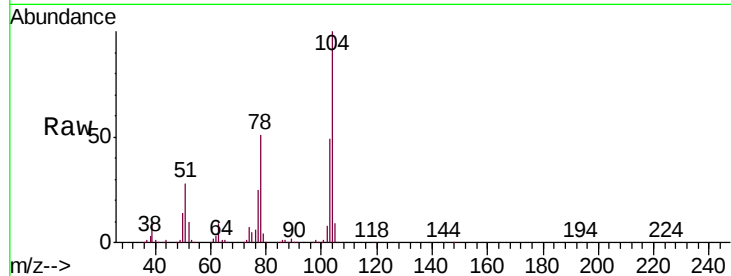




#61
Styrene
Concen: 2.114 ppbv
RT: 13.69 min Scan# 3343
Delta R.T. -0.01 min
Lab File: VL033170.D
Acq: 6 Feb 2019 2:31

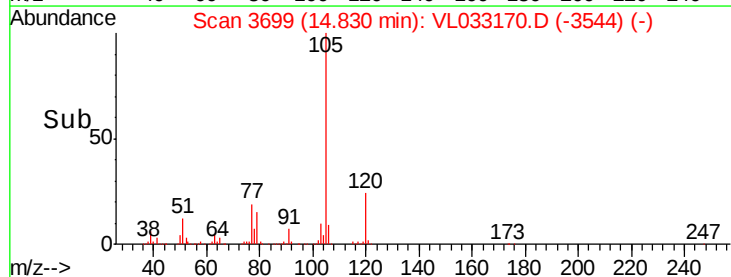
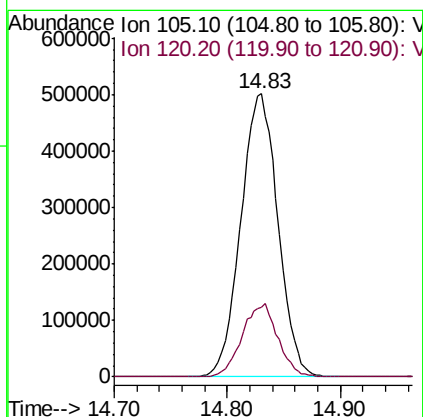
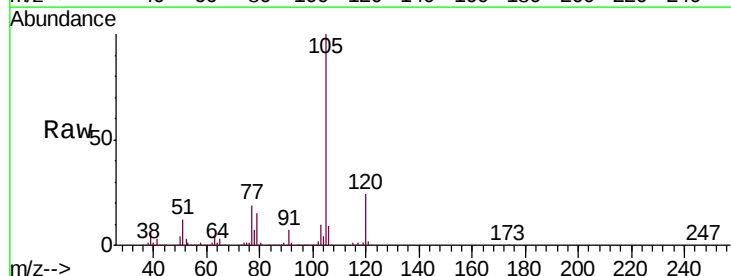
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

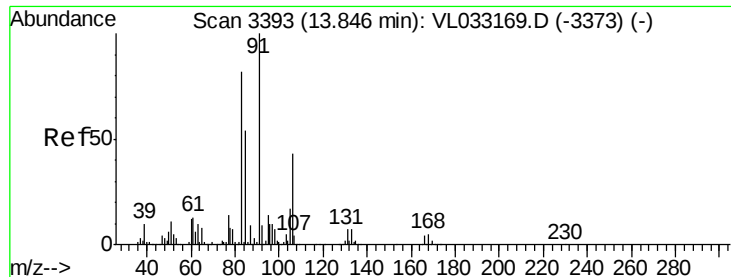
Tgt Ion:104 Resp: 620688
Ion Ratio Lower Upper
104 100
78 53.4 41.9 62.9
103 46.6 37.9 56.9



#62
Isopropylbenzene
Concen: 2.085 ppbv
RT: 14.83 min Scan# 3699
Delta R.T. -0.00 min
Lab File: VL033170.D
Acq: 6 Feb 2019 2:31

Tgt Ion:105 Resp: 1143792
Ion Ratio Lower Upper
105 100
120 24.8 20.3 30.5





#63

1,1,2,2-Tetrachloroethane

Concen: 1.898 ppbv

RT: 13.83 min Scan# 3389

Delta R.T. -0.01 min

Lab File: VL033170.D

Acq: 6 Feb 2019 2:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

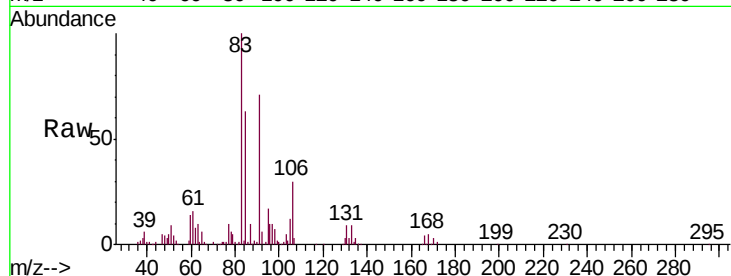
Tgt Ion: 83 Resp: 576967

Ion Ratio Lower Upper

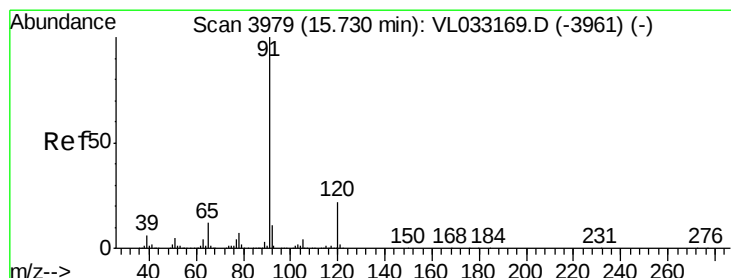
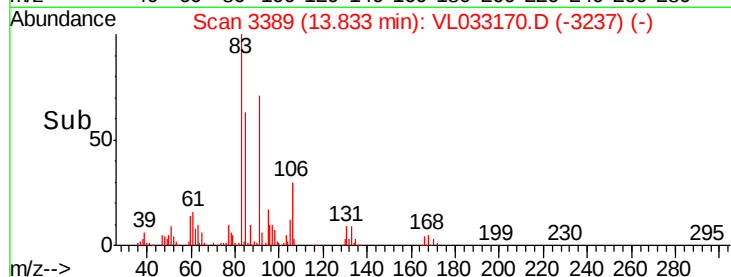
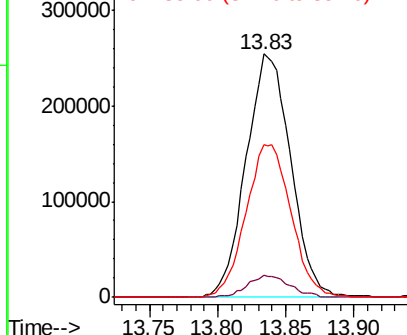
83 100

131 8.6 4.8 14.3

85 63.6 32.8 98.3



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: 2.071 ppbv

RT: 15.73 min Scan# 3978

Delta R.T. -0.00 min

Lab File: VL033170.D

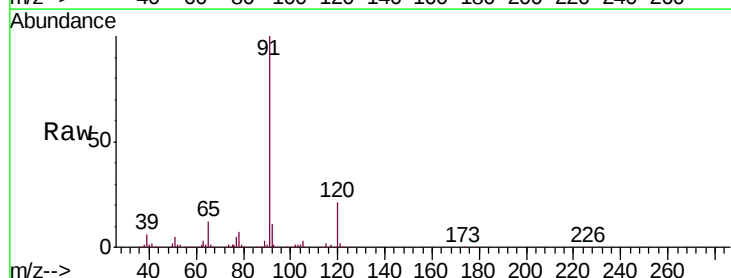
Acq: 6 Feb 2019 2:31

Tgt Ion: 120 Resp: 288852

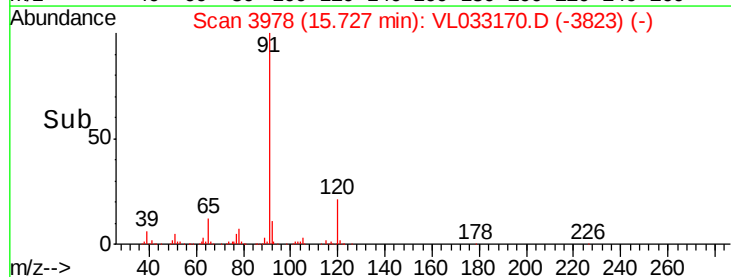
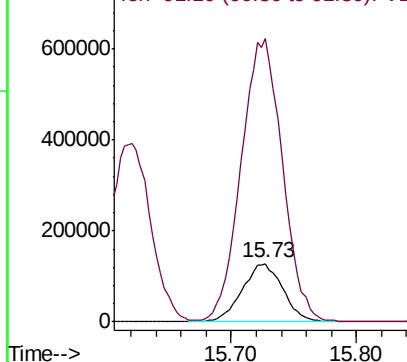
Ion Ratio Lower Upper

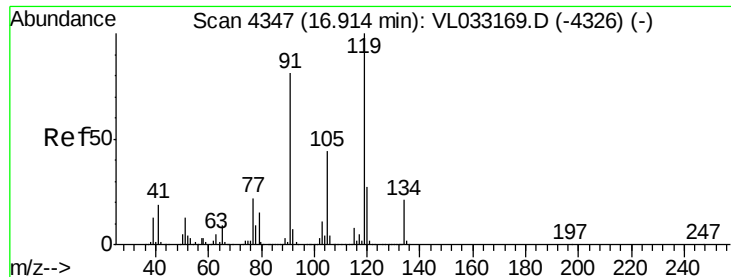
120 100

91 494.5 383.9 575.9



Abundance Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0

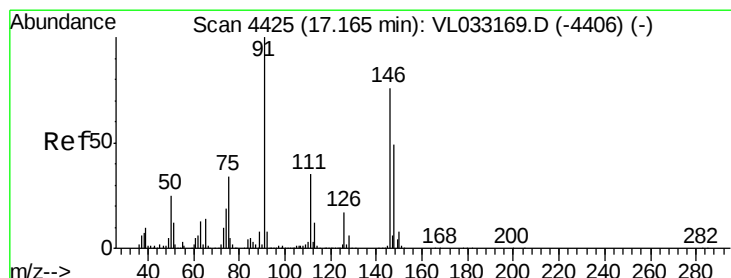
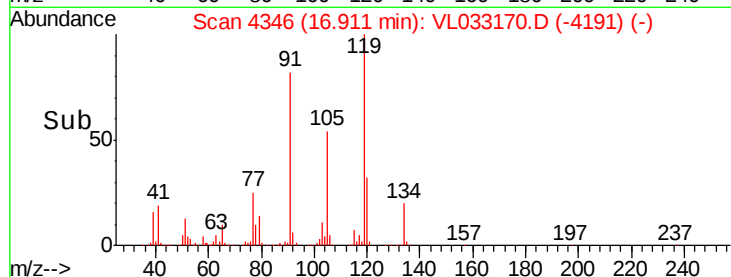
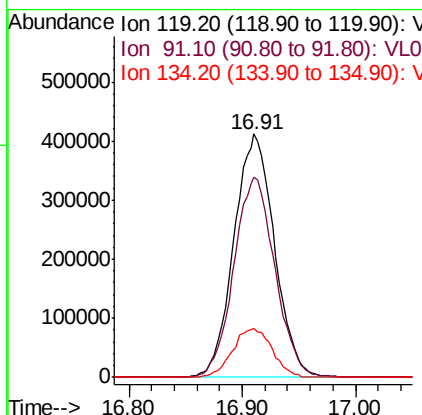
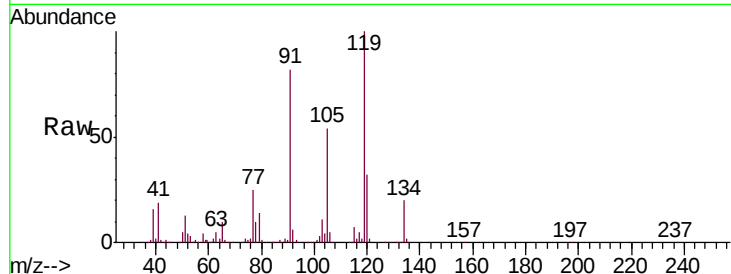




#65
 tert-Butylbenzene
 Concen: 2.138 ppbv
 RT: 16.91 min Scan# 4346
 Delta R.T. -0.00 min
 Lab File: VL033170.D
 Acq: 6 Feb 2019 2:31

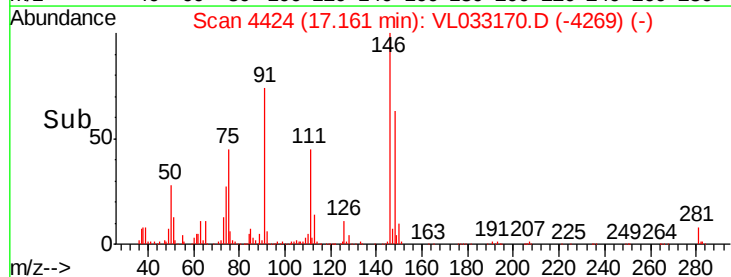
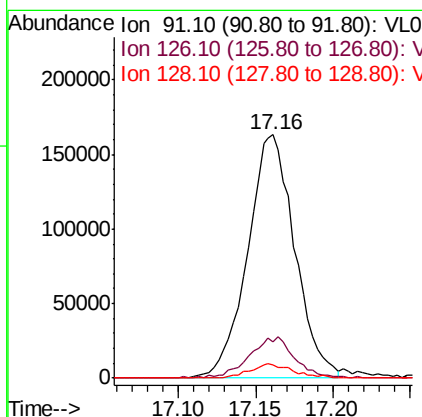
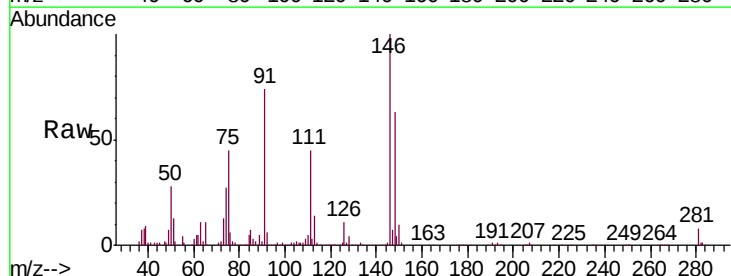
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

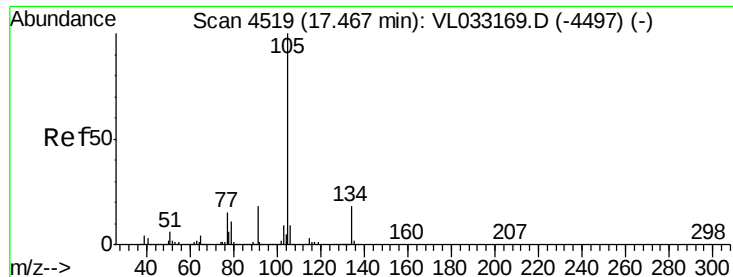
Tgt Ion: 119 Resp: 1021480
 Ion Ratio Lower Upper
 119 100
 91 83.9 65.6 98.4
 134 19.7 15.8 23.8



#66
 Benzyl Chloride
 Concen: 2.015 ppbv
 RT: 17.16 min Scan# 4424
 Delta R.T. -0.00 min
 Lab File: VL033170.D
 Acq: 6 Feb 2019 2:31

Tgt Ion: 91 Resp: 344000
 Ion Ratio Lower Upper
 91 100
 126 16.5 13.8 20.6
 128 5.4 4.5 6.7

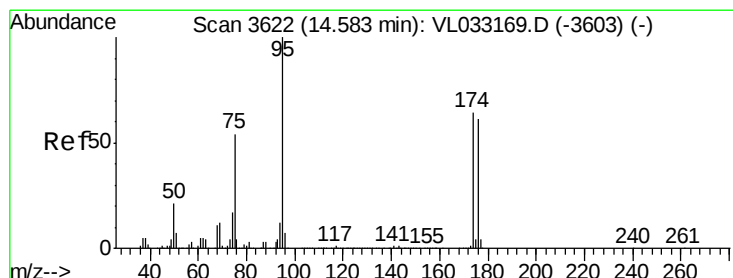
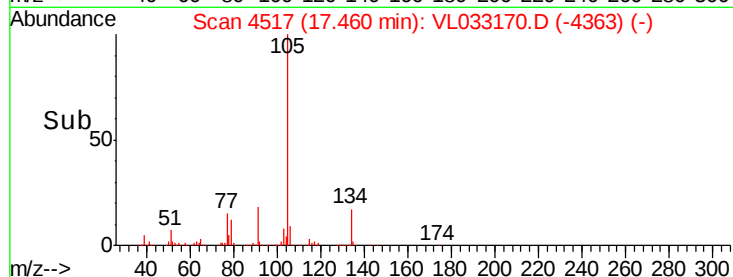
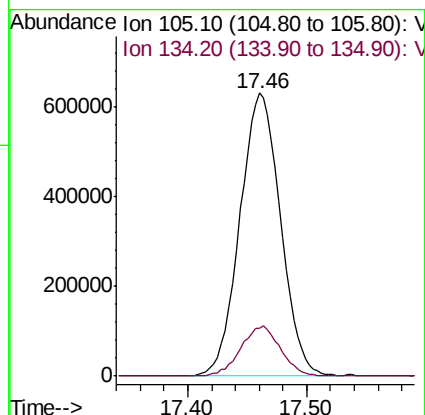
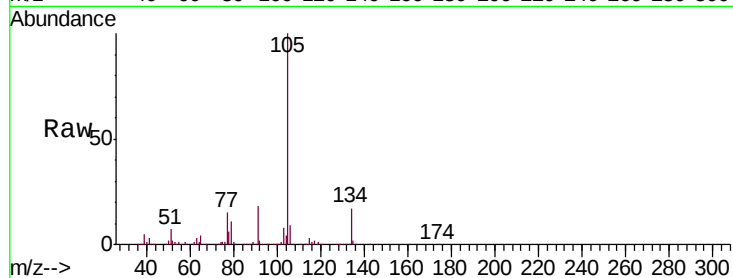




#67
 sec-Butylbenzene
 Concen: 2.147 ppbv
 RT: 17.46 min Scan# 4517
 Delta R.T. -0.01 min
 Lab File: VL033170.D
 Acq: 6 Feb 2019 2:31

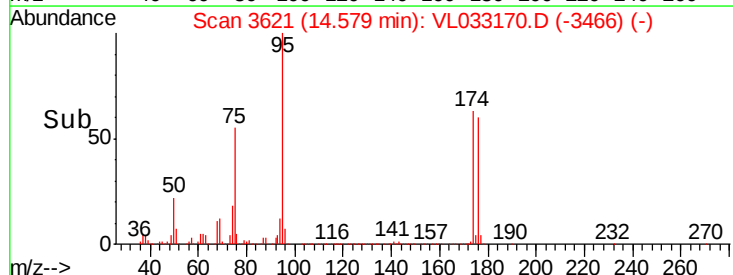
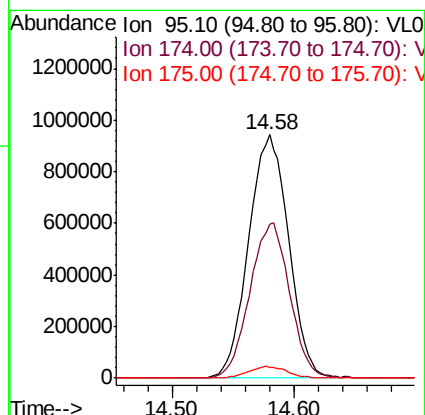
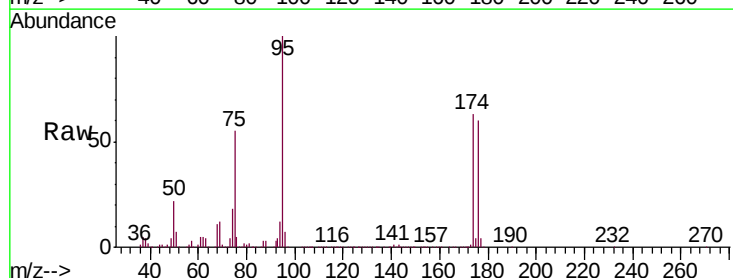
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

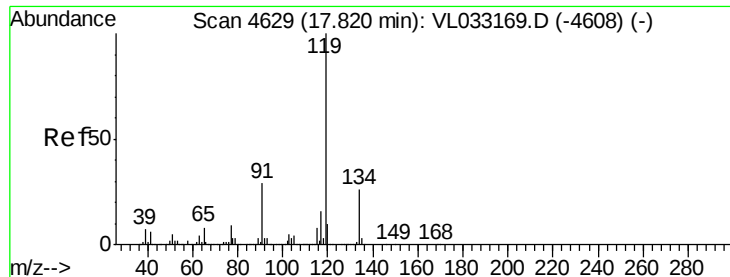
Tgt Ion: 105 Resp: 1489211
 Ion Ratio Lower Upper
 105 100
 134 17.5 14.6 22.0



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.393 ppbv
 RT: 14.58 min Scan# 3621
 Delta R.T. -0.00 min
 Lab File: VL033170.D
 Acq: 6 Feb 2019 2:31

Tgt Ion: 95 Resp: 2137811
 Ion Ratio Lower Upper
 95 100
 174 63.7 51.1 76.7
 175 4.7 3.8 5.6





#69

p-Isopropyltoluene

Concen: 2.121 ppbv

RT: 17.82 min Scan# 4628

Delta R.T. -0.00 min

Lab File: VL033170.D

Acq: 6 Feb 2019 2:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

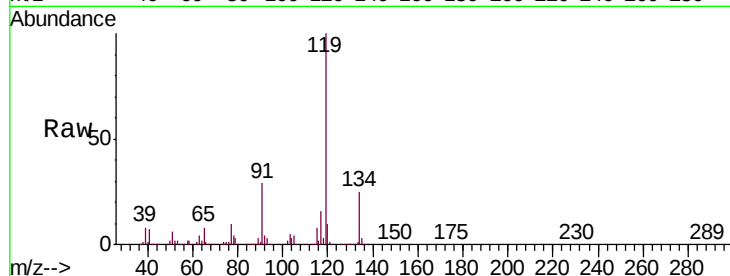
Tgt Ion: 119 Resp: 1224827

Ion Ratio Lower Upper

119 100

134 24.9 20.4 30.6

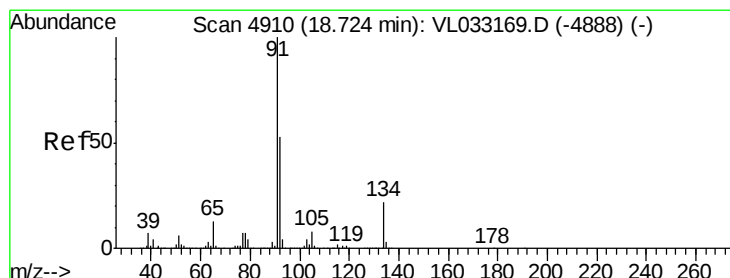
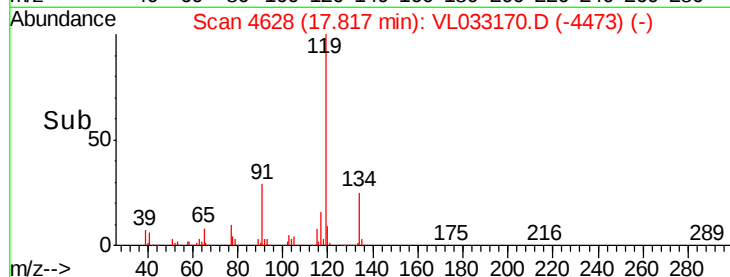
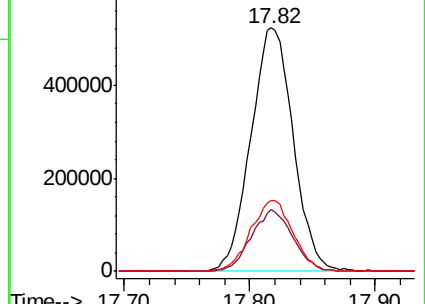
91 28.8 23.4 35.0



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: 2.105 ppbv

RT: 18.72 min Scan# 4908

Delta R.T. -0.01 min

Lab File: VL033170.D

Acq: 6 Feb 2019 2:31

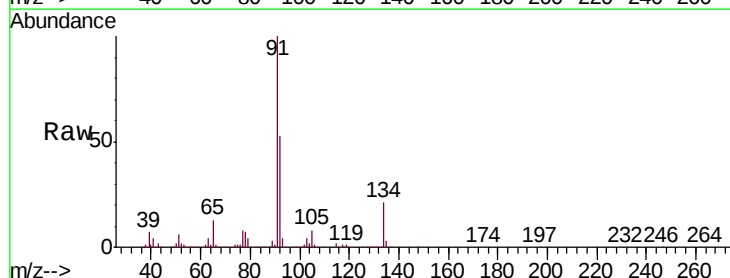
Tgt Ion: 91 Resp: 1311781

Ion Ratio Lower Upper

91 100

92 53.2 43.0 64.4

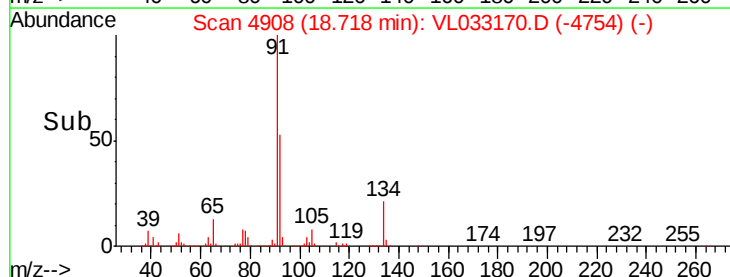
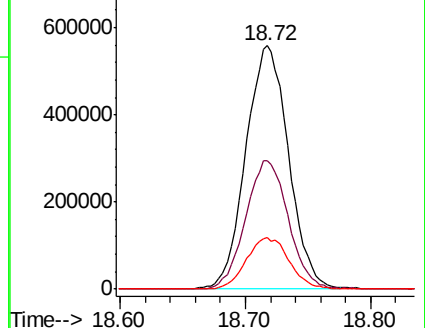
134 21.2 17.5 26.3

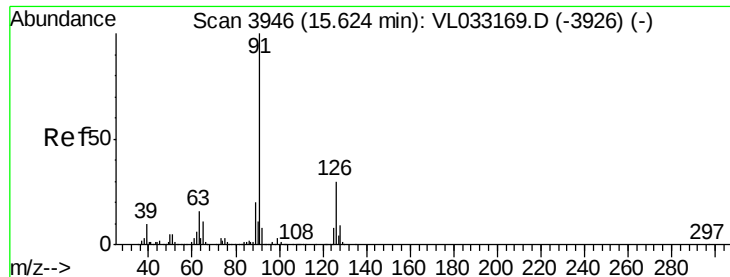


Abundance Ion 91.10 (90.80 to 91.80): V

Ion 92.10 (91.80 to 92.80): V

Ion 134.20 (133.90 to 134.90): V

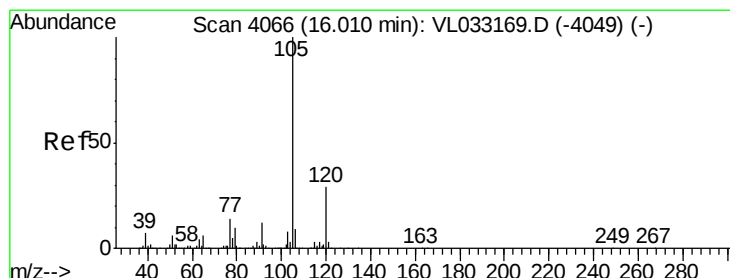
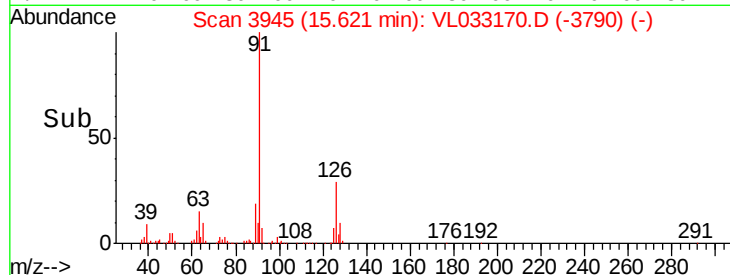
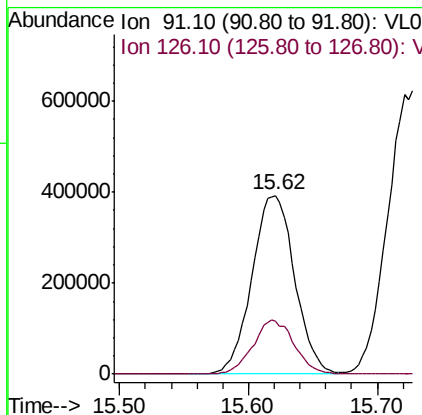
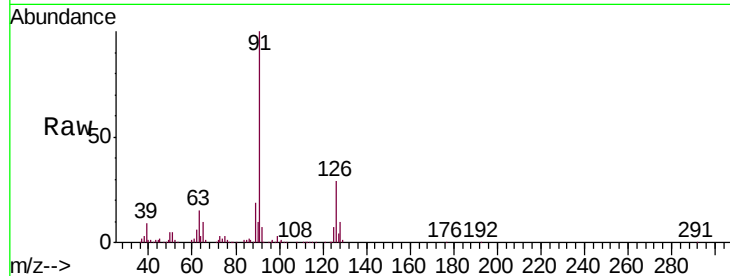




#71
 2-Chlorotoluene
 Concen: 2.102 ppbv
 RT: 15.62 min Scan# 3945
 Delta R.T. -0.00 min
 Lab File: VL033170.D
 Acq: 6 Feb 2019 2:31

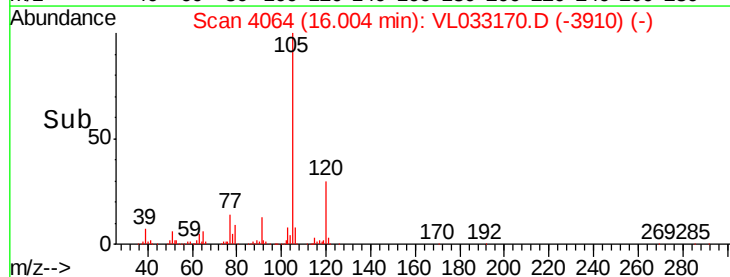
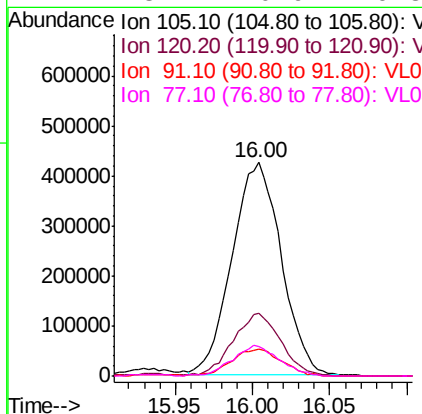
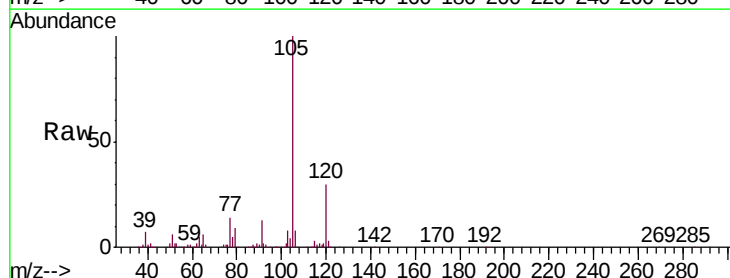
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

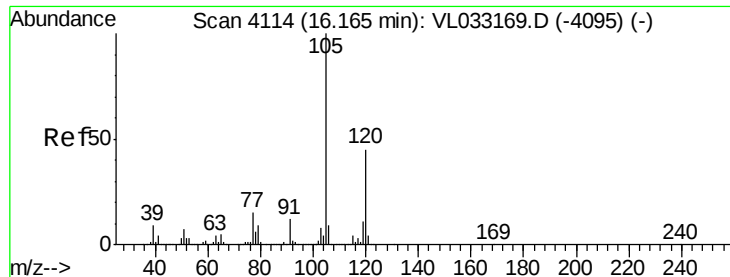
Tgt Ion: 91 Resp: 906082
 Ion Ratio Lower Upper
 91 100
 126 29.2 11.8 47.4



#72
 4-Ethyltoluene
 Concen: 2.094 ppbv
 RT: 16.00 min Scan# 4064
 Delta R.T. -0.01 min
 Lab File: VL033170.D
 Acq: 6 Feb 2019 2:31

Tgt Ion: 105 Resp: 939304
 Ion Ratio Lower Upper
 105 100
 120 28.8 23.1 34.7
 91 13.6 9.8 14.6
 77 13.7 10.9 16.3





#73

1,3,5-Trimethylbenzene

Concen: 2.113 ppbv

RT: 16.16 min Scan# 4113

Delta R.T. -0.00 min

Lab File: VL033170.D

Acq: 6 Feb 2019 2:31

Instrument :

MSVOA_L

ClientSampleId :

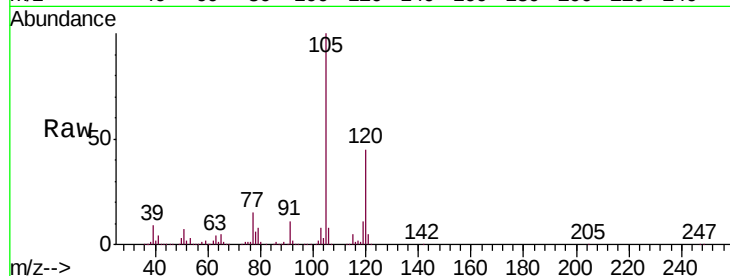
VSTDIC002

Tgt Ion:105 Resp: 906463

Ion Ratio Lower Upper

105 100

120 44.9 36.2 54.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.16

400000

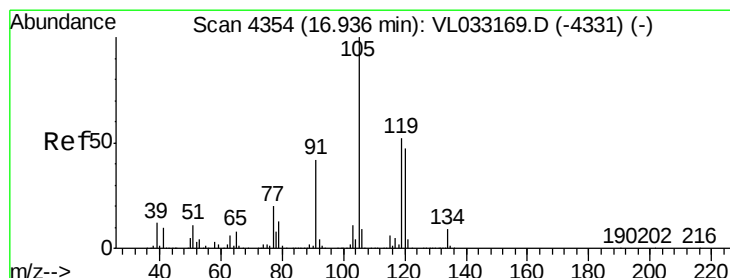
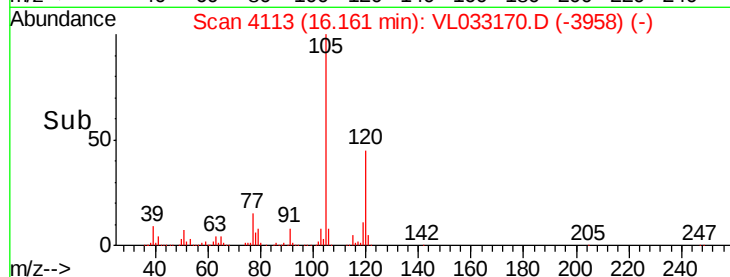
300000

200000

100000

0

Time--> 16.05 16.10 16.15 16.20



#74

1,2,4-Trimethylbenzene

Concen: 2.137 ppbv

RT: 16.93 min Scan# 4351

Delta R.T. -0.01 min

Lab File: VL033170.D

Acq: 6 Feb 2019 2:31

Tgt Ion:105 Resp: 950933

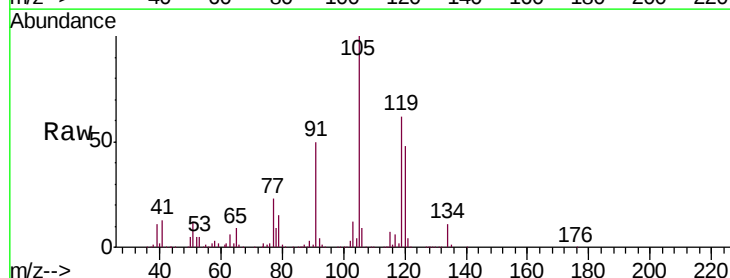
Ion Ratio Lower Upper

105 100

120 47.5 37.9 56.9

91 49.9 34.0 51.0

77 22.7 15.7 23.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): V

Ion 77.10 (76.80 to 77.80): V

16.93

600000

500000

400000

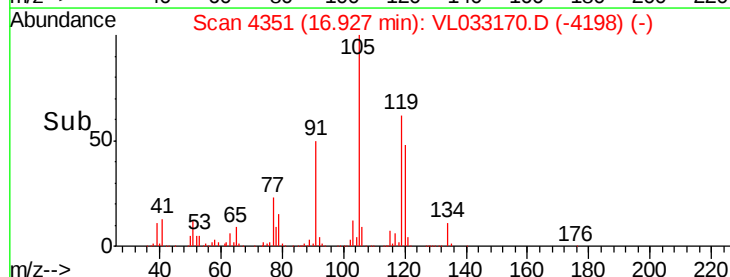
300000

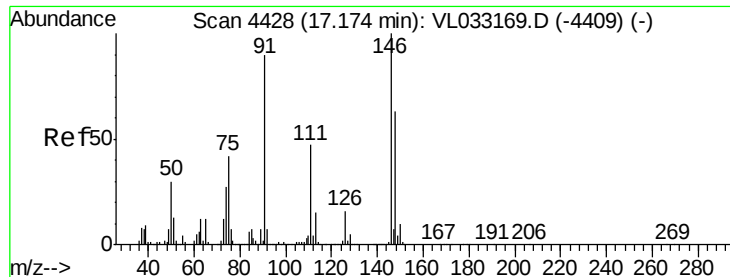
200000

100000

0

Time--> 16.90 16.93 17.00

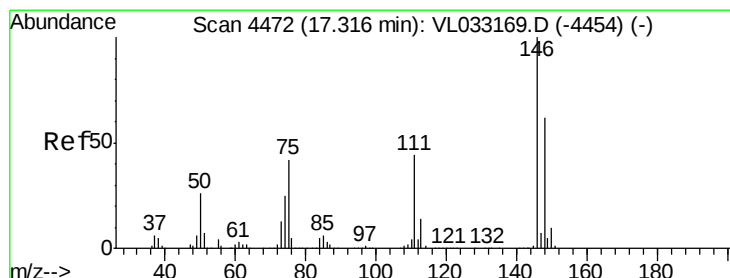
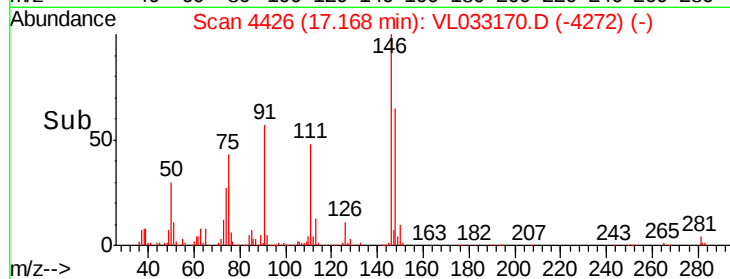
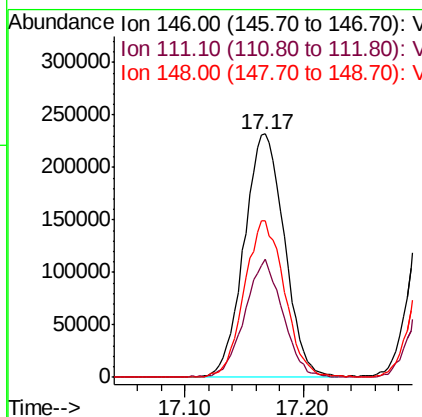
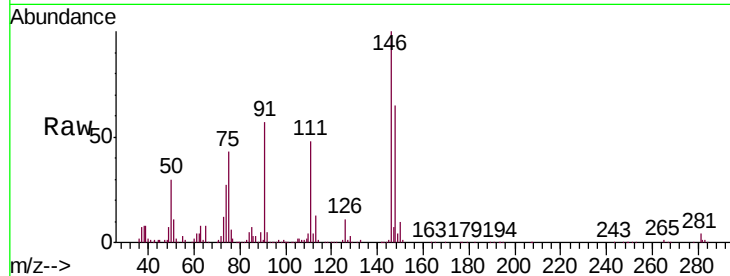




#75
 1,3-Dichlorobenzene
 Concen: 2.121 ppbv
 RT: 17.17 min Scan# 4426
 Delta R.T. -0.01 min
 Lab File: VL033170.D
 Acq: 6 Feb 2019 2:31

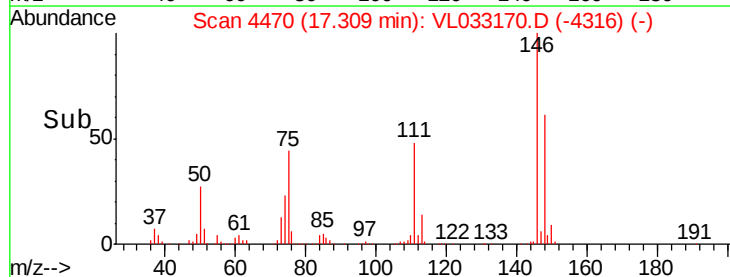
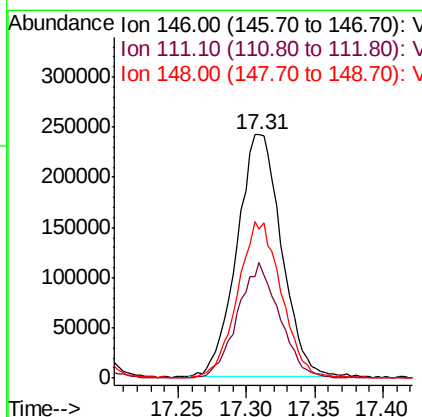
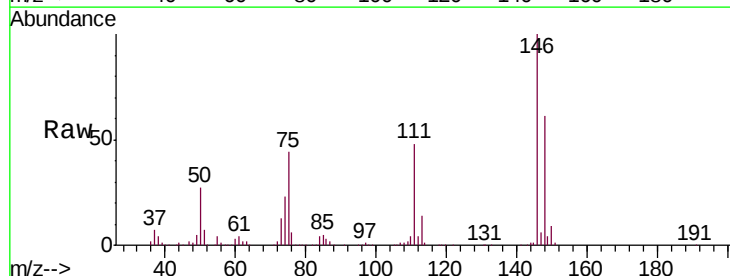
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

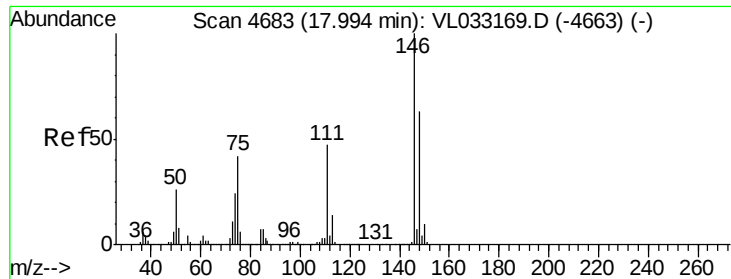
Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.8	23.2	69.6
148	64.3	31.8	95.4



#76
 1,4-Dichlorobenzene
 Concen: 2.150 ppbv
 RT: 17.31 min Scan# 4470
 Delta R.T. -0.01 min
 Lab File: VL033170.D
 Acq: 6 Feb 2019 2:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.2	22.3	66.9
148	63.7	32.0	96.0





#77

1,2-Dichlorobenzene

Concen: 2.123 ppbv

RT: 17.99 min Scan# 4682

Delta R.T. -0.00 min

Lab File: VL033170.D

Acq: 6 Feb 2019 2:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

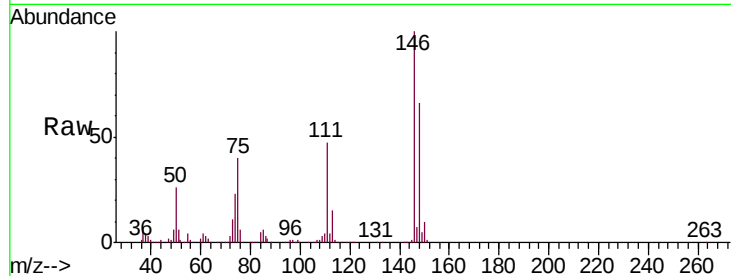
Tgt Ion:146 Resp: 538209

Ion Ratio Lower Upper

146 100

111 46.7 23.5 70.6

148 64.1 31.9 95.7

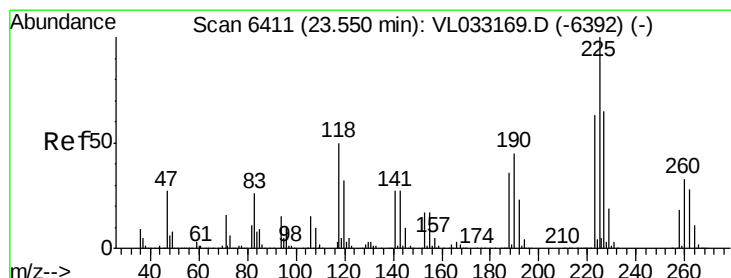
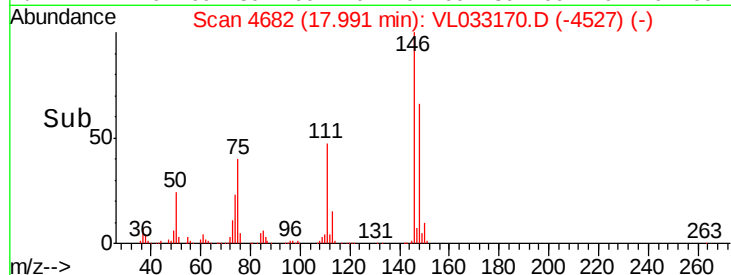
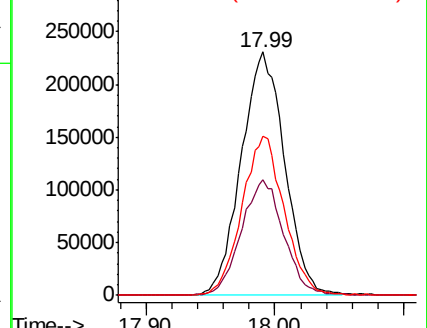


Abundance

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



#78

Hexachloro-1,3-Butadiene

Concen: 1.085 ppbv

RT: 23.54 min Scan# 6407

Delta R.T. -0.01 min

Lab File: VL033170.D

Acq: 6 Feb 2019 2:31

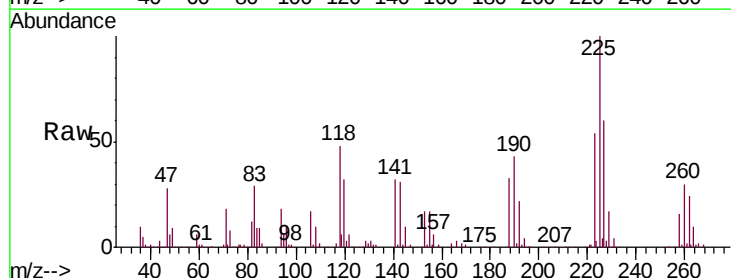
Tgt Ion:225 Resp: 136829

Ion Ratio Lower Upper

225 100

223 130.2 50.6 75.8#

227 134.1 51.4 77.2#

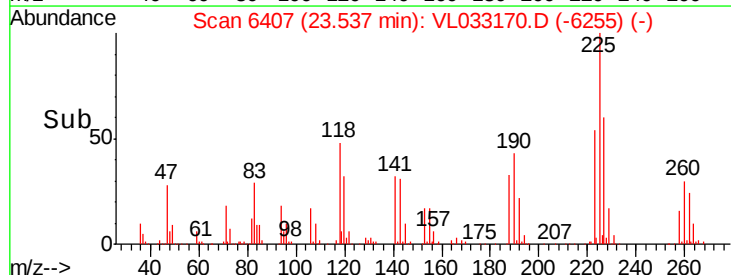
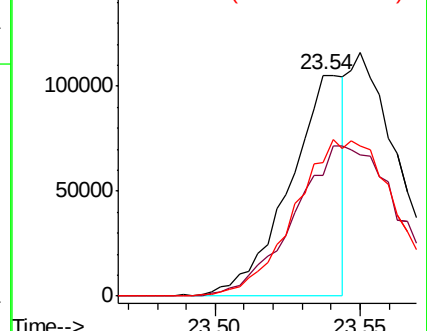


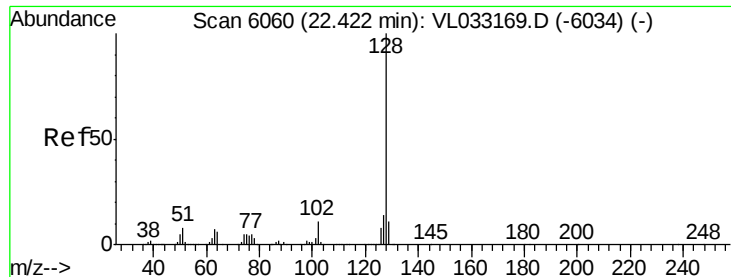
Abundance

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: 2.196 ppbv

RT: 22.42 min Scan# 6058

Delta R.T. -0.01 min

Lab File: VL033170.D

Acq: 6 Feb 2019 2:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

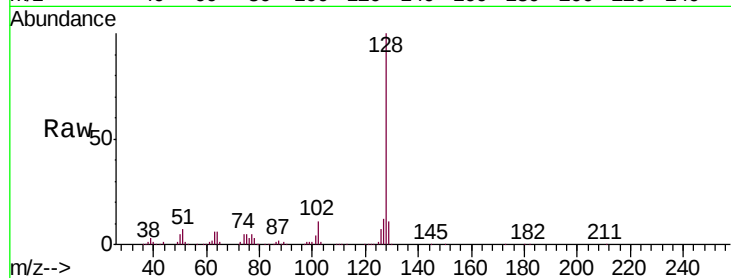
Tgt Ion:128 Resp: 1049944

Ion Ratio Lower Upper

128 100

127 11.7 11.0 16.4

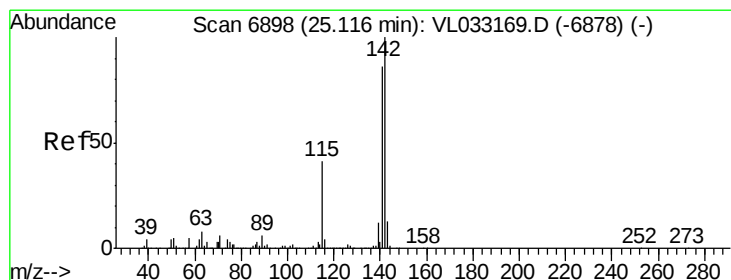
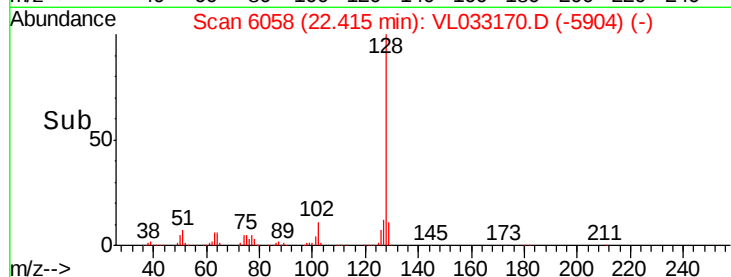
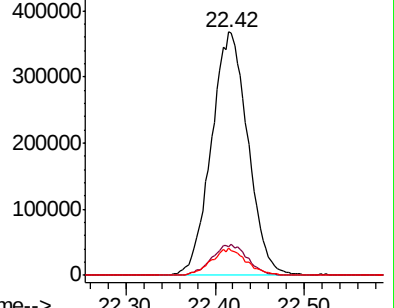
129 11.2 8.6 12.8



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: 2.570 ppbv

RT: 25.12 min Scan# 6898

Delta R.T. 0.00 min

Lab File: VL033170.D

Acq: 6 Feb 2019 2:31

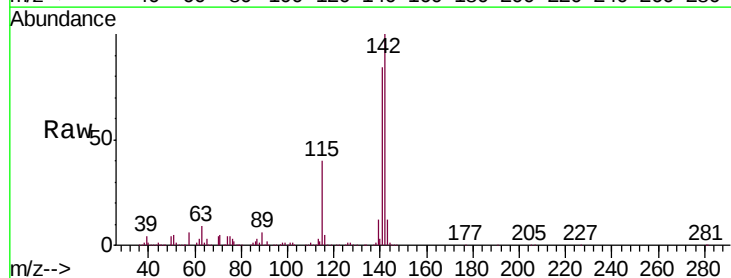
Tgt Ion:142 Resp: 621556

Ion Ratio Lower Upper

142 100

141 83.6 67.7 101.5

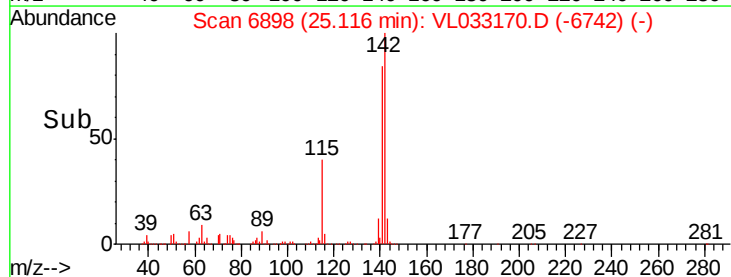
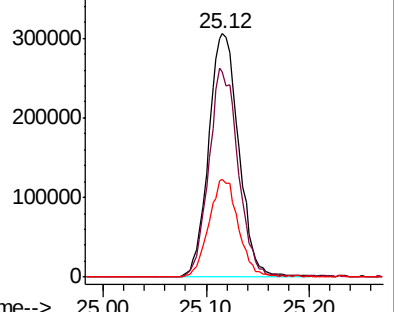
115 39.1 32.7 49.1

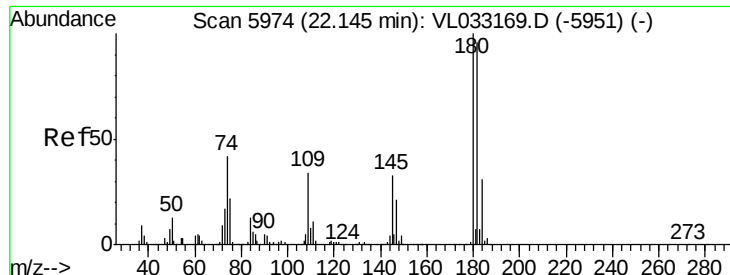


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 2.122 ppbv
 RT: 22.14 min Scan# 5973
 Delta R.T. -0.00 min
 Lab File: VL033170.D
 Acq: 6 Feb 2019 2:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	75.8	113.8
184	30.5	24.3	36.5

