

Data File : VL033169.D
Acq On : 6 Feb 2019 1:51
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Quant Time: Feb 20 05:07:20 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	991405	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	2828061	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3509415	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2212651	8.09	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.90%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.08	85	1782009	9.402	ppbv 100
3) Chlorodifluoromethane	3.01	51	1108495	9.286	ppbv 100
4) Chloromethane	3.17	50	598012	9.487	ppbv 100
5) Vinyl Chloride	3.29	62	568842	8.636	ppbv 100
6) Bromomethane	3.52	94	343222	9.488	ppbv 100
7) Chloroethane	3.60	64	202611	9.416	ppbv 100
8) Dichlorotetrafluoroethane	3.22	85	1327369	8.954	ppbv 100
9) Propene	3.04	41	520522	9.027	ppbv 100
10) Heptane	8.25	43	1571371	9.007	ppbv 100
11) Trichlorofluoromethane	4.00	101	1414811	9.220	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.55	101	983456	9.247	ppbv 100
13) Ethanol	3.65	45	128383	6.676	ppbv 100
14) Bromoethene	3.79	108	433348	9.450	ppbv 100
15) Acetone	3.90	43	953043	8.533	ppbv 100
16) 1,3-Butadiene	3.36	39	492372	9.287	ppbv 100
17) tert-Butyl alcohol	4.36	59	207225	9.731	ppbv 100
18) 1,1-Dichloroethene	4.35	96	456501	9.589	ppbv 100
19) Isopropyl Alcohol	4.02	45	649520	8.574	ppbv 100
20) Methylene Chloride	4.41	84	384911	8.663	ppbv 100
21) Allyl Chloride	4.48	41	725634	9.839	ppbv 100
22) trans-1,2-Dichloroethene	4.97	96	442191	9.565	ppbv 100
23) Vinyl Acetate	5.16	43	1830215	9.454	ppbv 100
24) 1,1-Dichloroethane	5.09	63	1230489	8.987	ppbv 100
25) Ethyl Acetate	5.77	43	2130812	8.485	ppbv 100
26) Hexane	5.78	57	969994	8.228	ppbv 100
27) Carbon Disulfide	4.62	76	1114845	10.322	ppbv 100
28) Methyl tert-Butyl Ether	5.11	73	1477905	9.174	ppbv 100
29) Chloroform	5.85	83	1578787	8.738	ppbv 100
30) Cyclohexane	7.25	84	1000580	9.147	ppbv 100
31) cis-1,2-Dichloroethene	5.64	61	1041621	8.827	ppbv 100
32) 1,1,1-Trichloroethane	6.62	97	1530386	7.693	ppbv 100
34) 2-Butanone	5.33	43	1487573	8.293	ppbv 100
35) Carbon Tetrachloride	7.14	117	1842830	8.532	ppbv 100
36) Benzene	7.01	78	2218960	7.742	ppbv 100
37) 1,2-Dichloroethane	6.42	62	1198924	7.548	ppbv 100
38) Trichloroethene	7.97	130	887756	7.233	ppbv 100
39) 1,2-Dichloropropane	7.74	63	956695	8.452	ppbv 100
40) 1,4-Dioxane	7.96	88	320935	7.801	ppbv 100
41) Tetrahydrofuran	6.15	42	882307	7.946	ppbv 100
42) Bromodichloromethane	7.92	83	2000389	8.690	ppbv 100
43) Methyl Methacrylate	8.14	69	1010427	8.781	ppbv 100

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QLast Update : Wed Feb 20 05:04:48 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	3979303	8.193	ppbv	100
45) t-1,3-Dichloropropene	9.42	75	1330266	10.406	ppbv	100
46) cis-1,3-Dichloropropene	8.84	75	1525912	9.371	ppbv	100
47) 1,1,2-Trichloroethane	9.62	97	999621	8.509	ppbv	100
48) Dibromochloromethane	10.46	129	1695357	9.167	ppbv	100
49) Bromoform	13.21	173	1488946	9.358	ppbv	100
50) 4-Methyl-2-Pentanone	8.87	43	2475095	8.604	ppbv	100
51) 2-Hexanone	10.28	43	2014253	8.881	ppbv #	100
52) Tetrachloroethene	11.38	164	868988	7.892	ppbv	100
53) Toluene	9.95	91	2908084	8.568	ppbv	100
54) 1,2-Dibromoethane	10.77	107	1584867	8.604	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.29	131	1167690	7.143	ppbv	100
57) Chlorobenzene	12.31	112	2086031	6.714	ppbv	100
58) Ethyl Benzene	12.87	91	3973995	6.898	ppbv	100
59) m/p-Xylene	13.16	91	2945988	6.147	ppbv #	19
60) o-Xylene	13.86	91	3101743	6.637	ppbv	100
61) Styrene	13.69	104	2482060	7.036	ppbv	100
62) Isopropylbenzene	14.83	105	4471171	6.781	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.85	83	2140049	5.859	ppbv	100
64) n-propylbenzene	15.73	120	1155655	6.894	ppbv	100
65) tert-Butylbenzene	16.91	119	3862515	6.728	ppbv	100
66) Benzyl Chloride	17.16	91	2030207	9.894	ppbv	100
67) sec-Butylbenzene	17.47	105	5590525	6.707	ppbv	100
69) p-Isopropyltoluene	17.82	119	4618017	6.653	ppbv	100
70) n-Butylbenzene	18.72	91	4953683	6.615	ppbv	100
71) 2-Chlorotoluene	15.62	91	3516660	6.788	ppbv	100
72) 4-Ethyltoluene	16.01	105	3739951	6.939	ppbv	100
73) 1,3,5-Trimethylbenzene	16.16	105	3566152	6.918	ppbv	100
74) 1,2,4-Trimethylbenzene	16.94	105	3554538	6.648	ppbv	100
75) 1,3-Dichlorobenzene	17.17	146	2070029	6.713	ppbv	100
76) 1,4-Dichlorobenzene	17.32	146	2106331	6.894	ppbv	100
77) 1,2-Dichlorobenzene	17.99	146	2060231	6.761	ppbv	100
78) Hexachloro-1,3-Butadiene	23.55	225	943275	6.226	ppbv	100
79) Naphthalene	22.42	128	3890858	6.772	ppbv	100
80) Naphthalene,2-methyl-	25.12	142	1807999	6.221	ppbv	100
81) 1,2,4-Trichlorobenzene	22.15	180	1932641	6.622	ppbv	100

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

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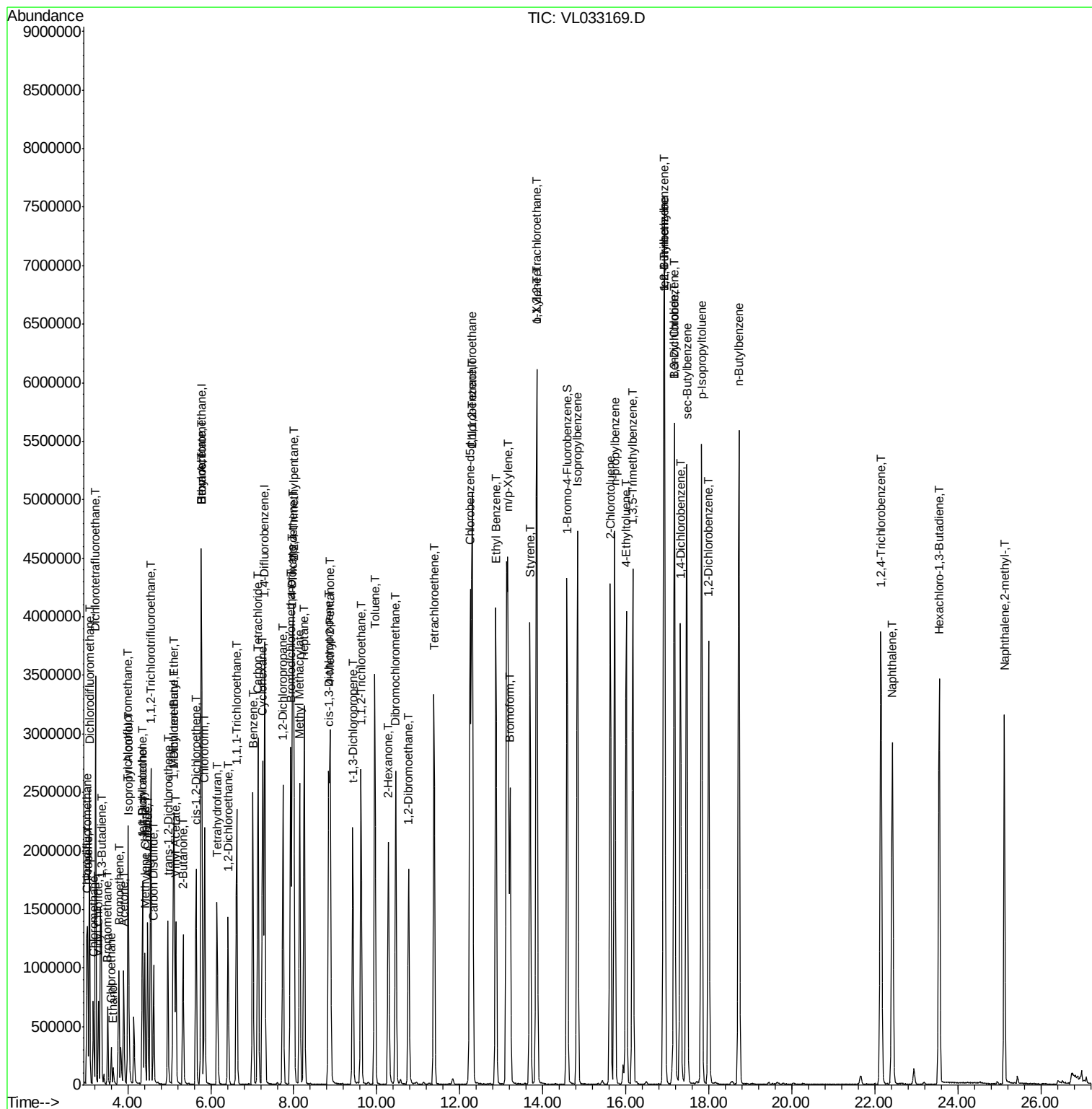
Quant Time: Feb 20 05:07:20 2019

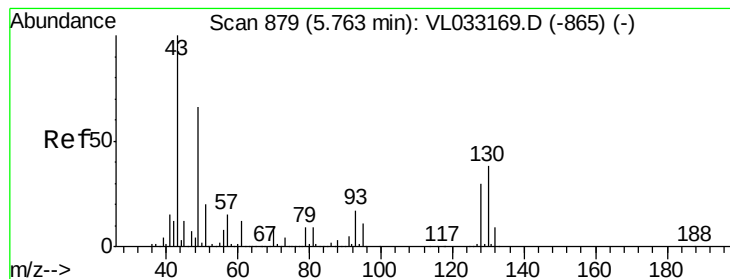
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_L\METHODS\VL020519AIR.M

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. 0.00 min

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ClientSampleId :

VSTDICCC010

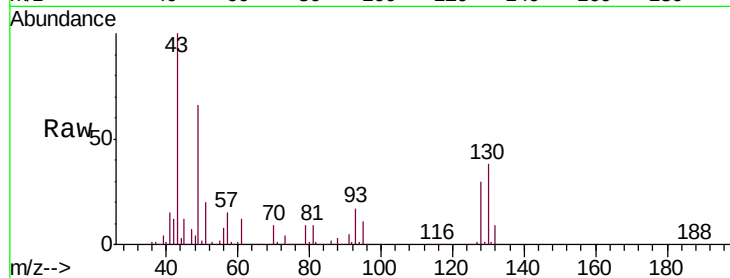
Tgt Ion: 49 Resp: 991405

Ion Ratio Lower Upper

49 100

128 47.3 23.6 71.0

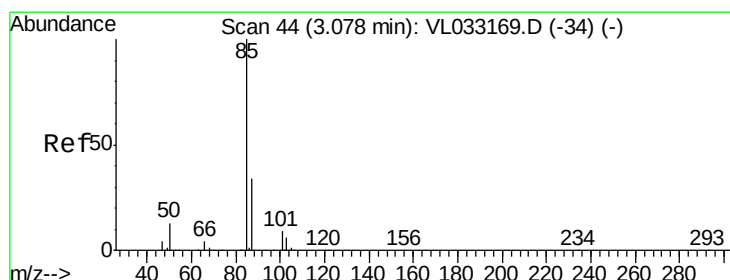
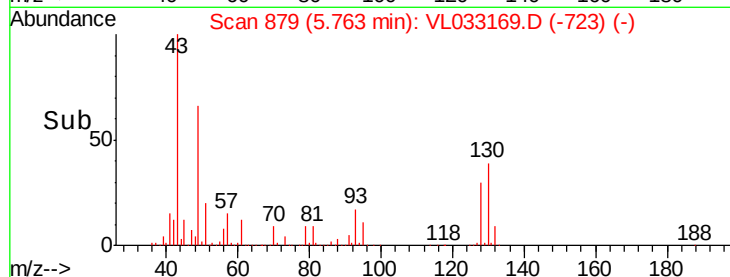
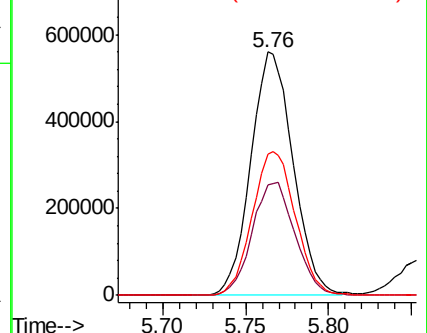
130 60.7 30.3 91.0



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: 9.402 ppbv

RT: 3.08 min Scan# 44

Delta R.T. 0.00 min

Lab File: VL033169.D

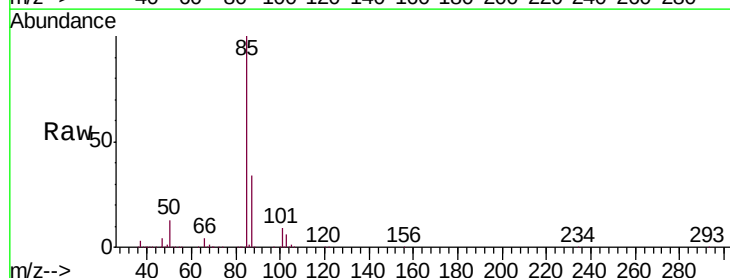
Acq: 6 Feb 2019 1:51

Tgt Ion: 85 Resp: 1782009

Ion Ratio Lower Upper

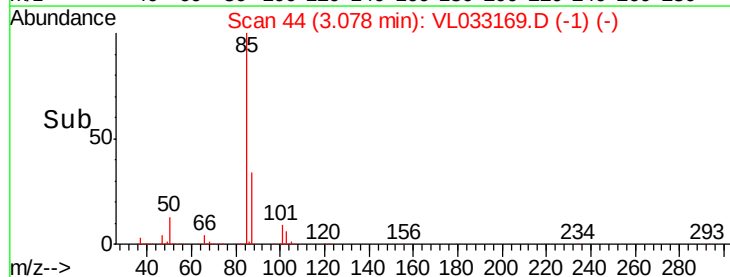
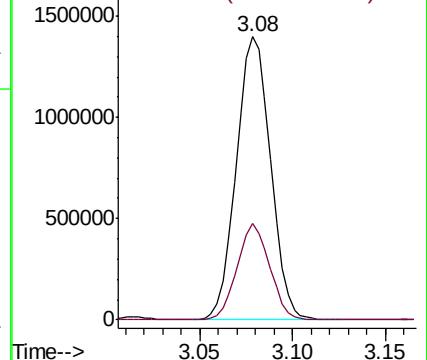
85 100

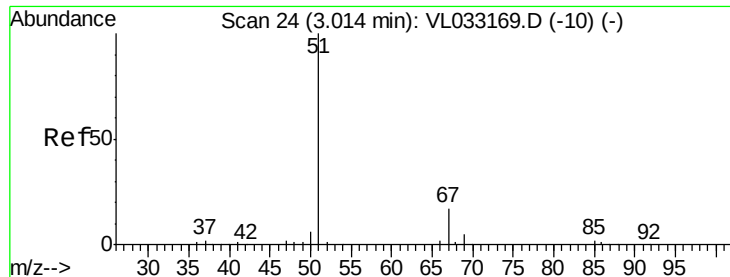
87 34.3 27.4 41.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

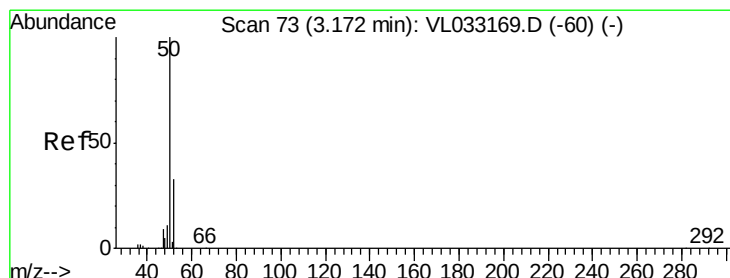
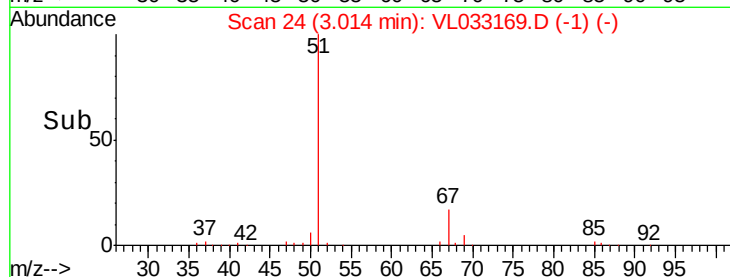
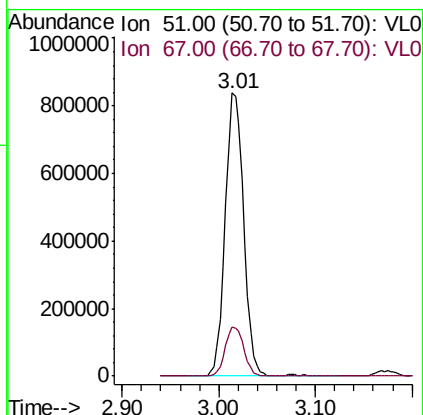
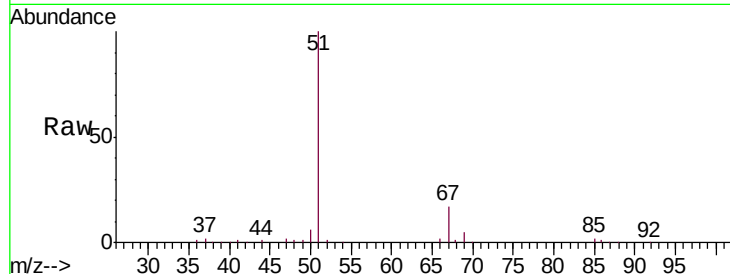




#3
Chlorodifluoromethane
Concen: 9.286 ppbv
RT: 3.01 min Scan# 24
Delta R.T. 0.00 min
Lab File: VL033169.D
Acq: 6 Feb 2019 1:51

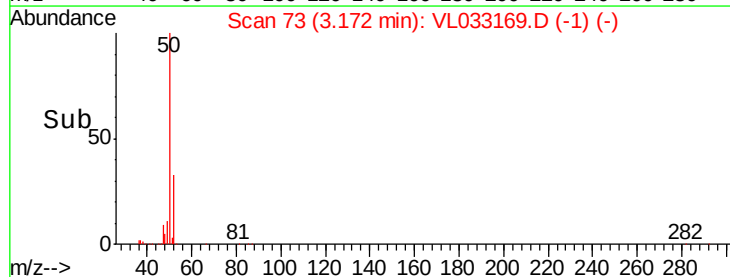
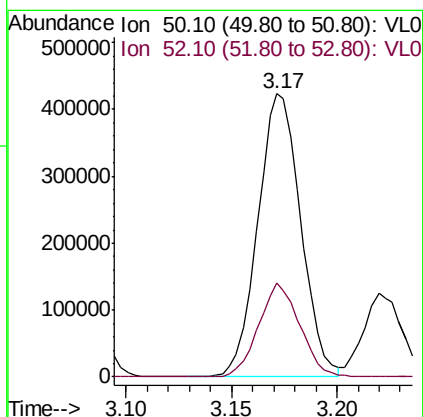
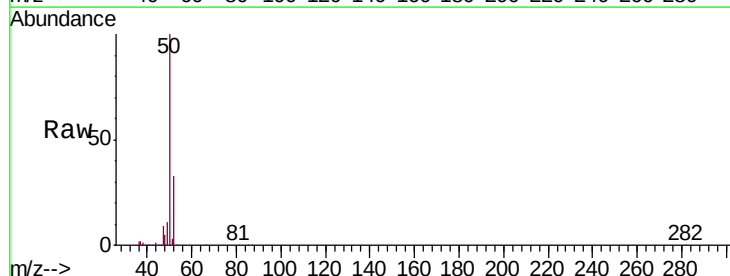
Instrument :
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VSTDICCC010

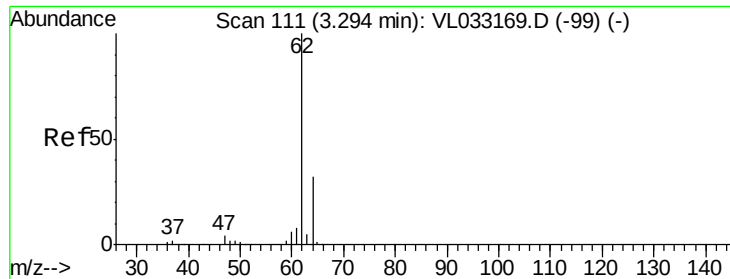
Tgt Ion: 51 Resp: 1108495
Ion Ratio Lower Upper
51 100
67 17.5 14.0 21.0



#4
Chloromethane
Concen: 9.487 ppbv
RT: 3.17 min Scan# 73
Delta R.T. 0.00 min
Lab File: VL033169.D
Acq: 6 Feb 2019 1:51

Tgt Ion: 50 Resp: 598012
Ion Ratio Lower Upper
50 100
52 33.1 26.5 39.7





#5

Vinyl Chloride

Concen: 8.636 ppbv

RT: 3.29 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL033169.D

Acq: 6 Feb 2019 1:51

Instrument :

MSVOA_L

ClientSampleId :

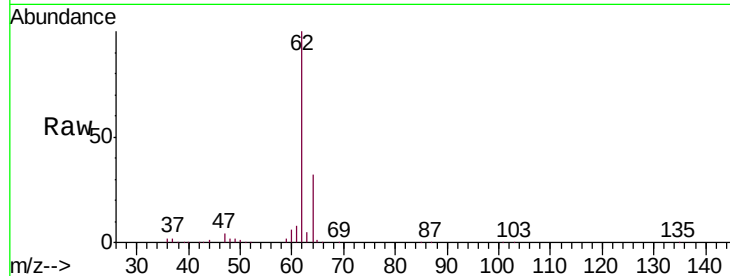
VSTDICCC010

Tgt Ion: 62 Resp: 568842

Ion Ratio Lower Upper

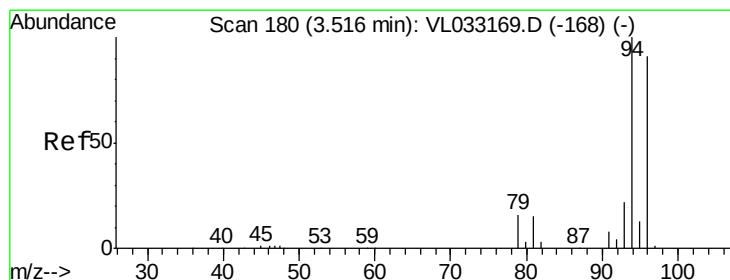
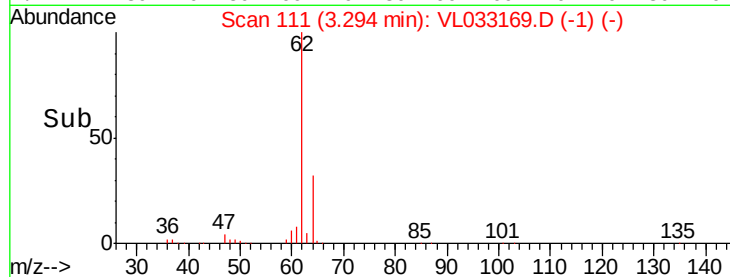
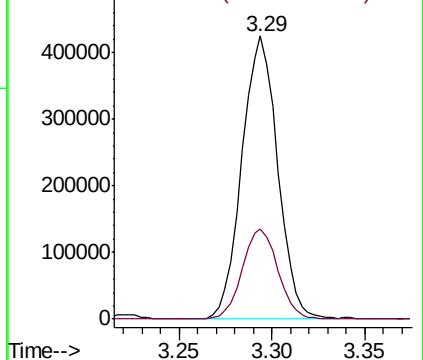
62 100

64 32.0 25.6 38.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.488 ppbv

RT: 3.52 min Scan# 180

Delta R.T. 0.00 min

Lab File: VL033169.D

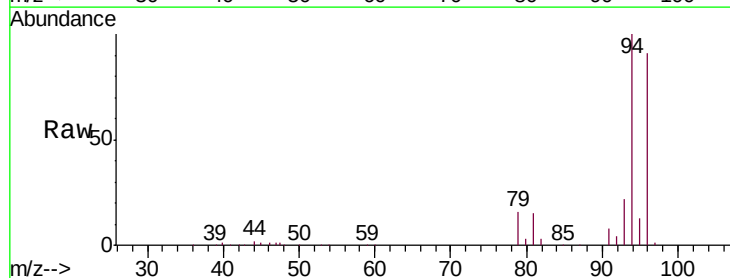
Acq: 6 Feb 2019 1:51

Tgt Ion: 94 Resp: 343222

Ion Ratio Lower Upper

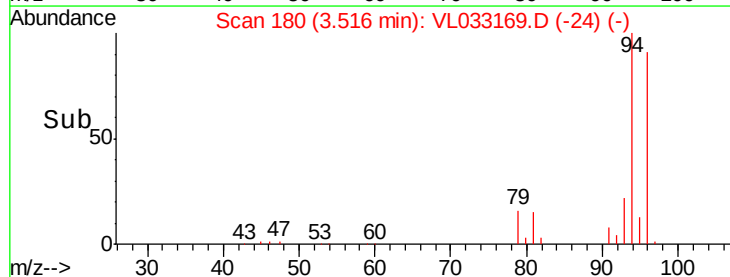
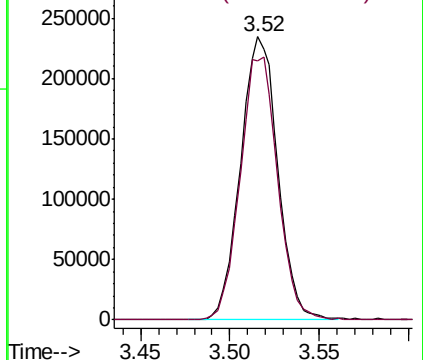
94 100

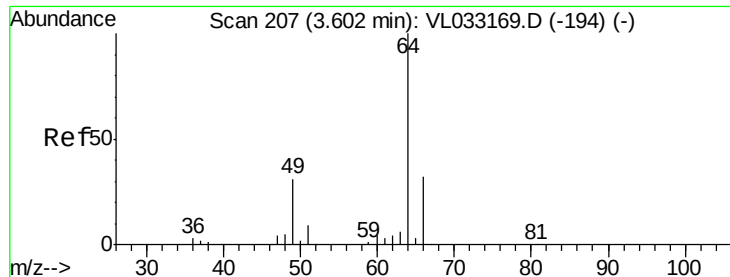
96 91.5 73.2 109.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.416 ppbv

RT: 3.60 min Scan# 207

Delta R.T. 0.00 min

Lab File: VL033169.D

Acq: 6 Feb 2019 1:51

Instrument :

MSVOA_L

ClientSampleId :

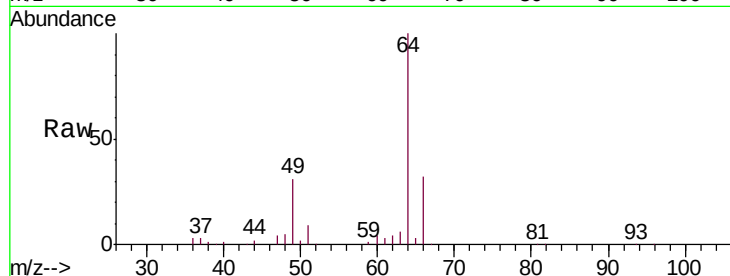
VSTDICCC010

Tgt Ion: 64 Resp: 202611

Ion Ratio Lower Upper

64 100

66 32.5 26.0 39.0



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

150000

100000

50000

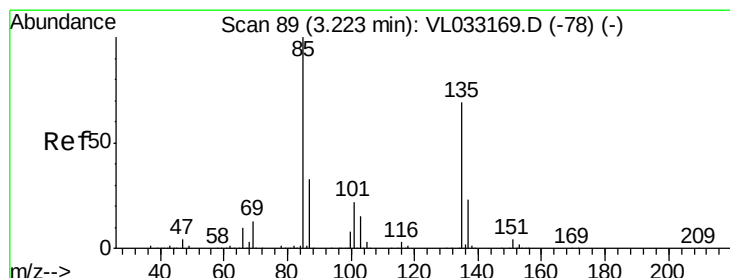
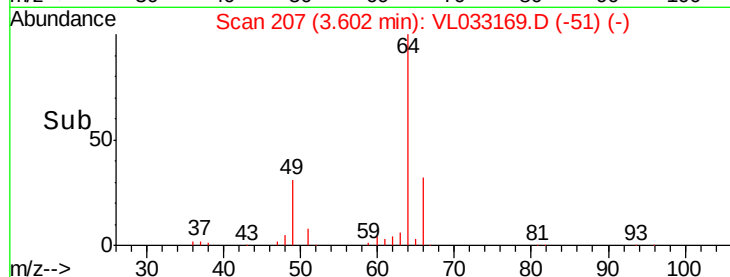
0

3.55

3.60

3.65

Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.954 ppbv

RT: 3.22 min Scan# 89

Delta R.T. 0.00 min

Lab File: VL033169.D

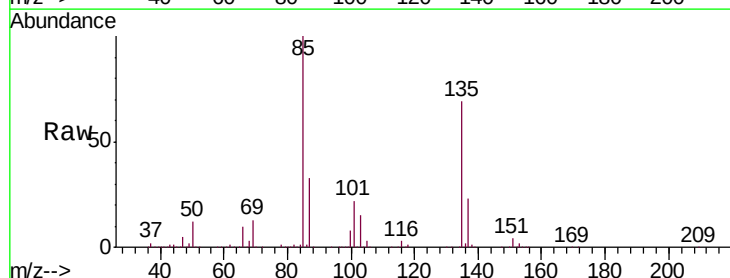
Acq: 6 Feb 2019 1:51

Tgt Ion: 85 Resp: 1327369

Ion Ratio Lower Upper

85 100

135 67.9 54.3 81.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1200000

1000000

800000

600000

400000

200000

0

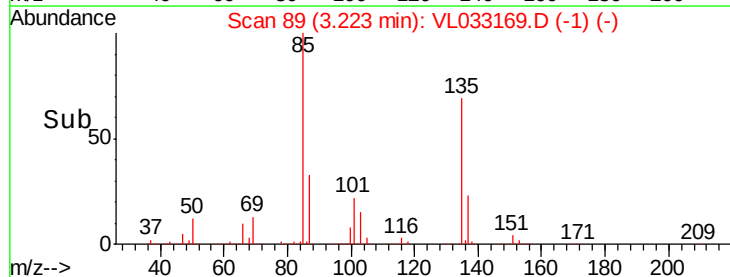
3.15

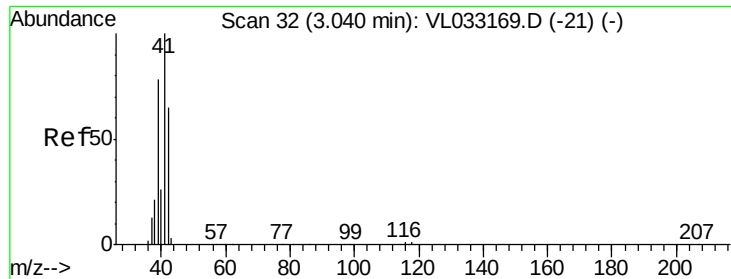
3.20

3.25

3.30

Time-->





#9

Propene

Concen: 9.027 ppbv

RT: 3.04 min Scan# 32

Delta R.T. 0.00 min

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Acq: 6 Feb 2019 1:51

Instrument :

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ClientSampleId :

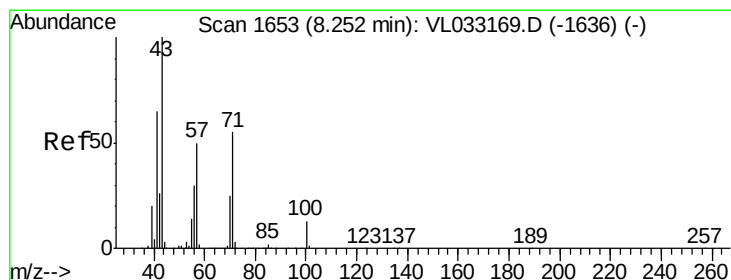
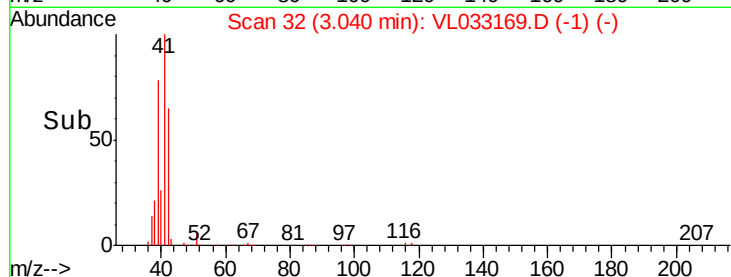
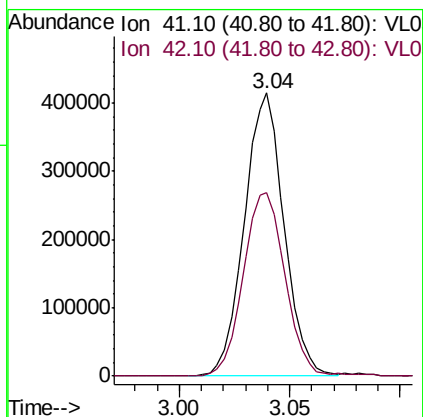
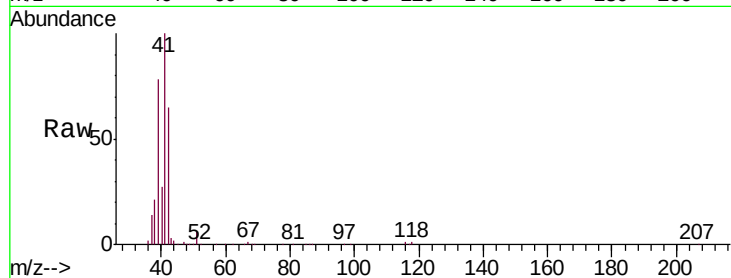
VSTDICCC010

Tgt Ion: 41 Resp: 520522

Ion Ratio Lower Upper

41 100

42 68.8 55.0 82.6



#10

Heptane

Concen: 9.007 ppbv

RT: 8.25 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VL033169.D

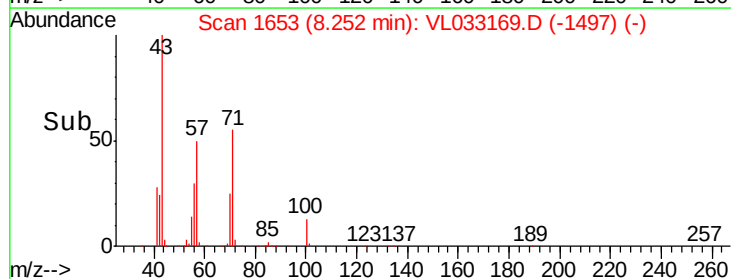
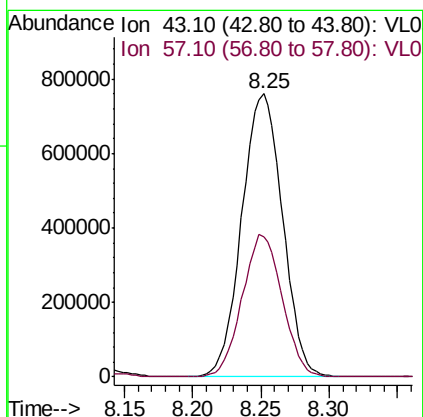
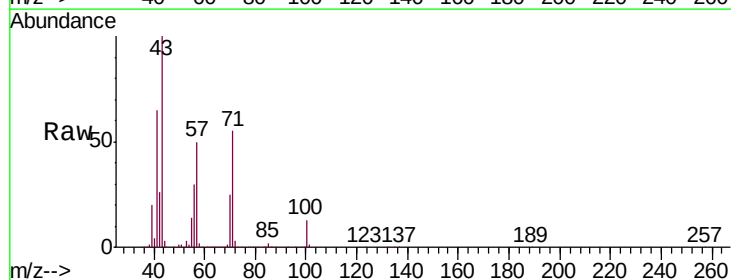
Acq: 6 Feb 2019 1:51

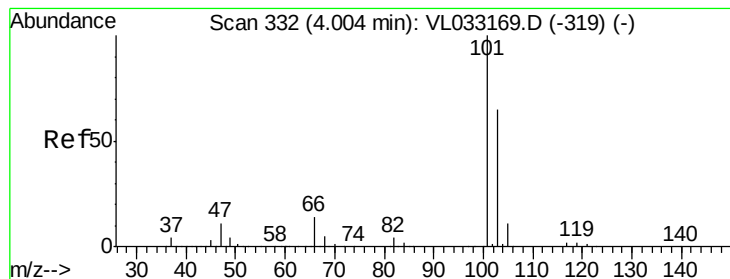
Tgt Ion: 43 Resp: 1571371

Ion Ratio Lower Upper

43 100

57 49.4 39.5 59.3





#11

Trichlorofluoromethane

Concen: 9.220 ppbv

RT: 4.00 min Scan# 332

Delta R.T. 0.00 min

Lab File: VL033169.D

Acq: 6 Feb 2019 1:51

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ClientSampleId :

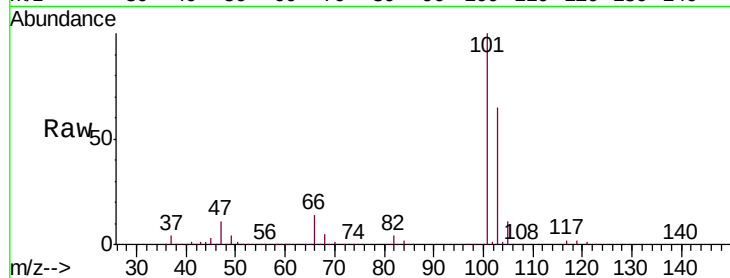
VSTDICCC010

Tgt Ion:101 Resp: 1414811

Ion Ratio Lower Upper

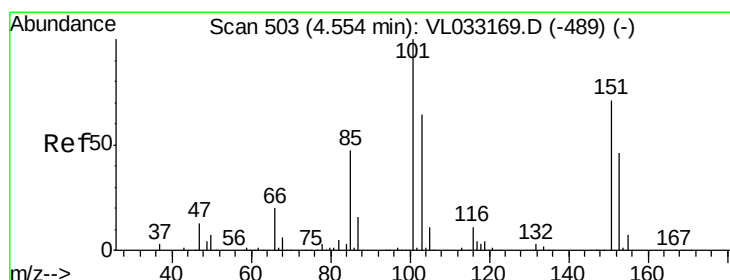
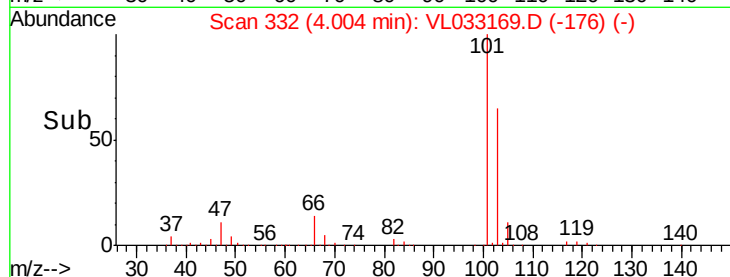
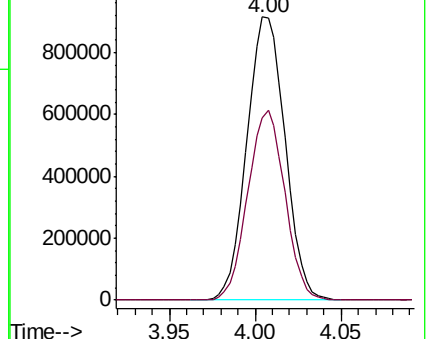
101 100

103 64.6 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.247 ppbv

RT: 4.55 min Scan# 503

Delta R.T. 0.00 min

Lab File: VL033169.D

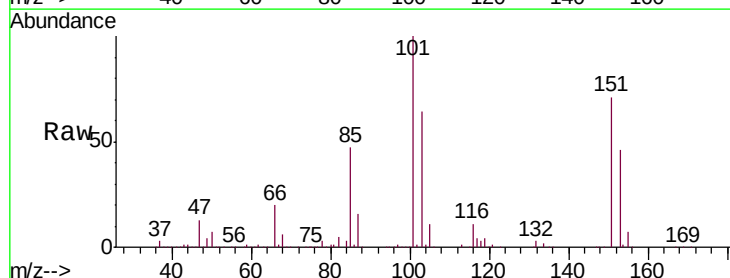
Acq: 6 Feb 2019 1:51

Tgt Ion:101 Resp: 983456

Ion Ratio Lower Upper

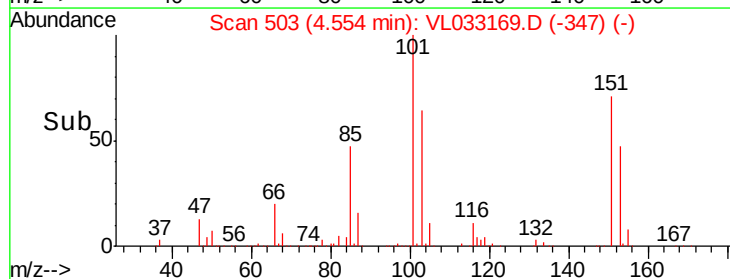
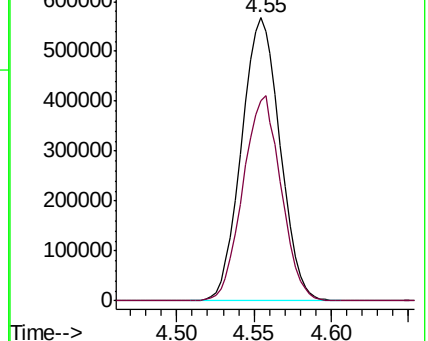
101 100

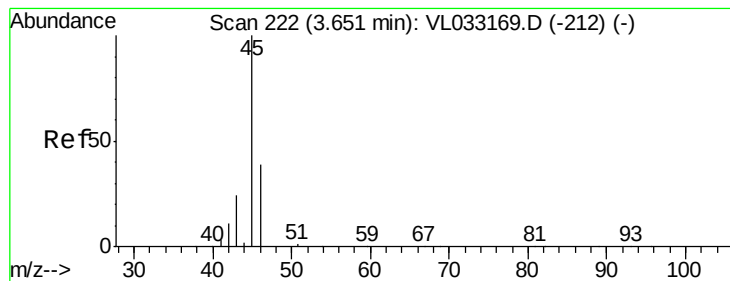
151 71.7 57.4 86.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 6.676 ppbv

RT: 3.65 min Scan# 222

Delta R.T. 0.00 min

Lab File: VL033169.D

Acq: 6 Feb 2019 1:51

Instrument :

MSVOA_L

ClientSampleId :

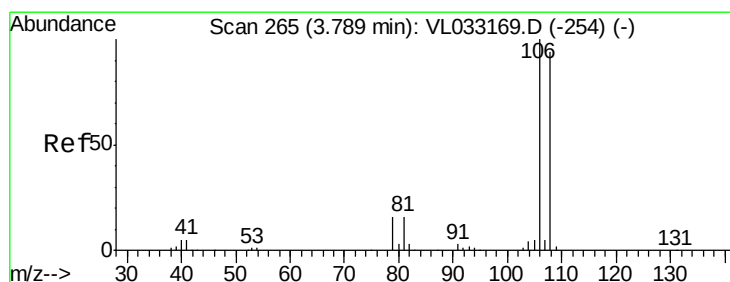
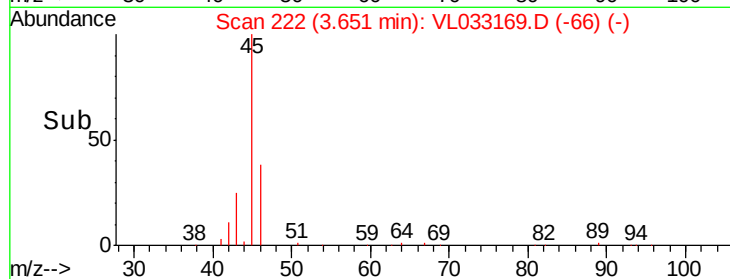
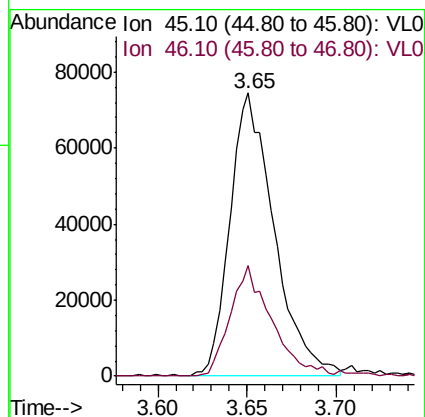
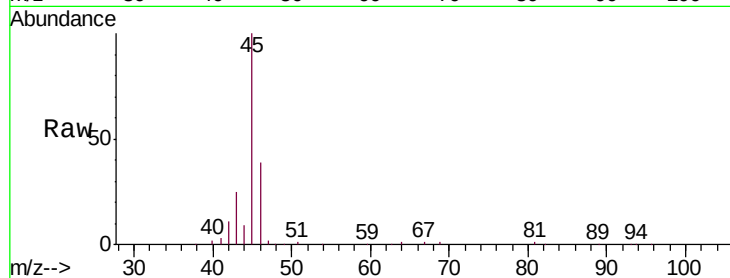
VSTDICCC010

Tgt Ion: 45 Resp: 128383

Ion Ratio Lower Upper

45 100

46 37.6 15.0 60.2



#14

Bromoethene

Concen: 9.450 ppbv

RT: 3.79 min Scan# 265

Delta R.T. 0.00 min

Lab File: VL033169.D

Acq: 6 Feb 2019 1:51

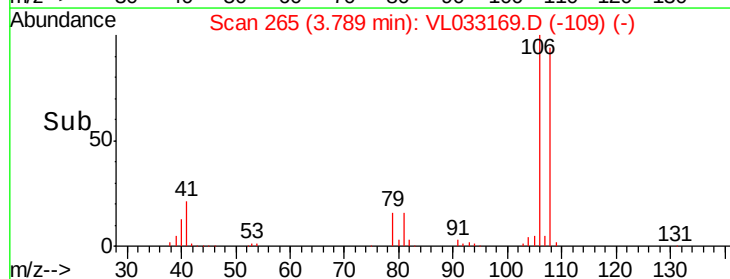
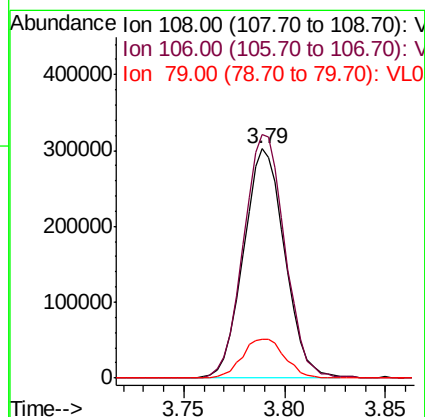
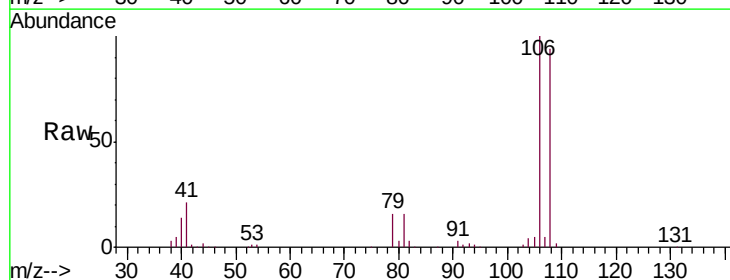
Tgt Ion: 108 Resp: 433348

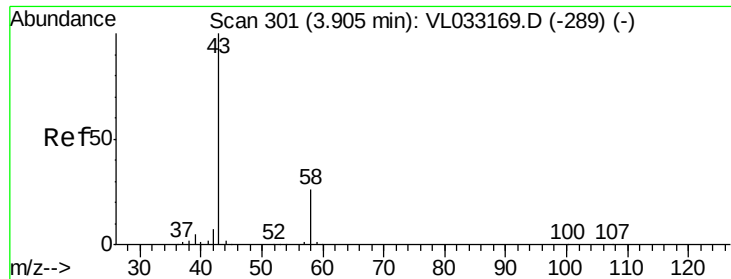
Ion Ratio Lower Upper

108 100

106 107.5 86.0 129.0

79 18.1 14.5 21.7





#15

Acetone

Concen: 8.533 ppbv

RT: 3.90 min Scan# 301

Delta R.T. 0.00 min

Lab File: VL033169.D

Acq: 6 Feb 2019 1:51

Instrument :

MSVOA_L

ClientSampleId :

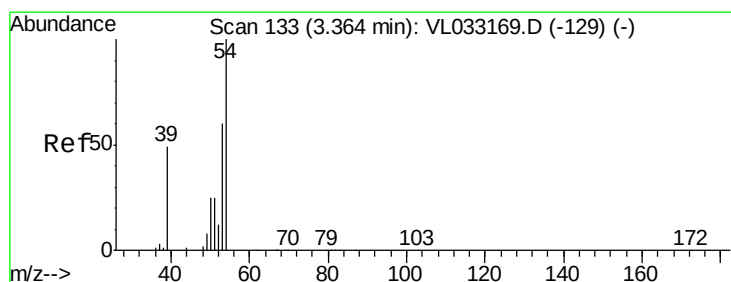
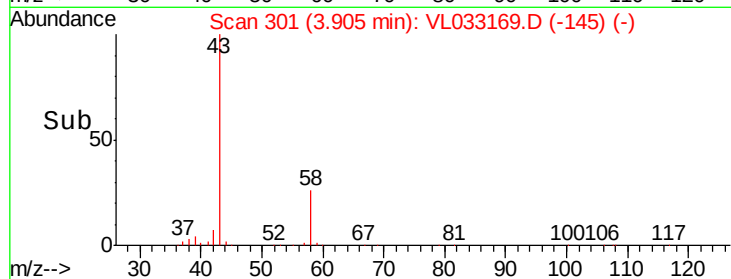
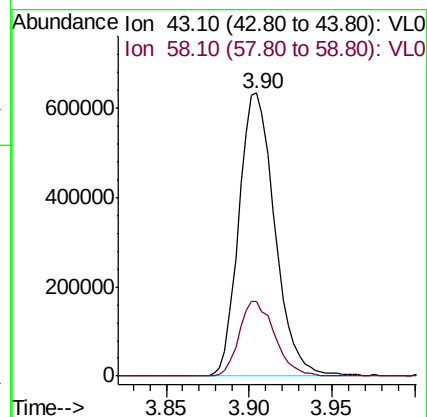
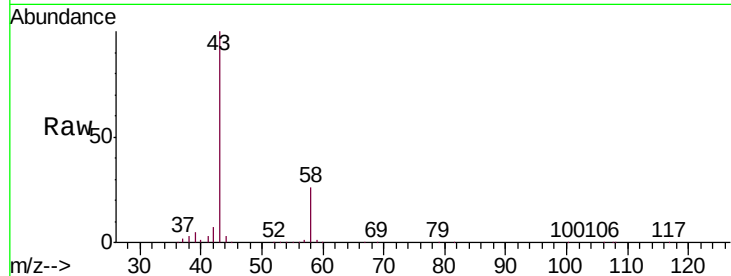
VSTDICCC010

Tgt Ion: 43 Resp: 953043

Ion Ratio Lower Upper

43 100

58 26.4 21.1 31.7



#16

1,3-Butadiene

Concen: 9.287 ppbv

RT: 3.36 min Scan# 133

Delta R.T. 0.00 min

Lab File: VL033169.D

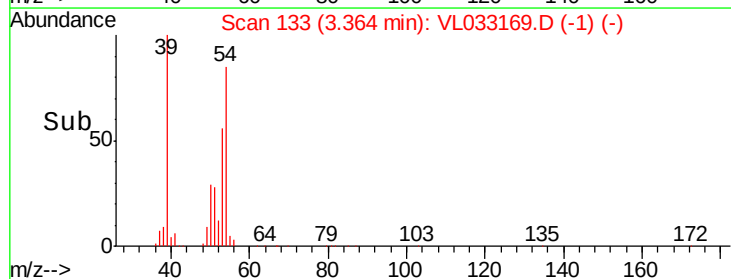
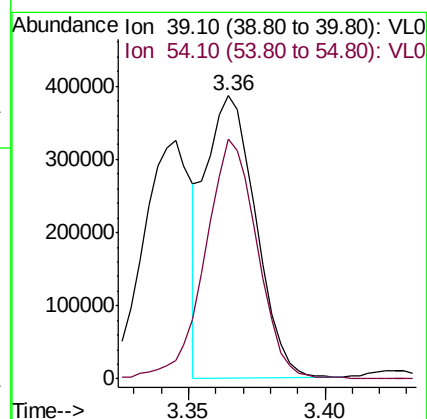
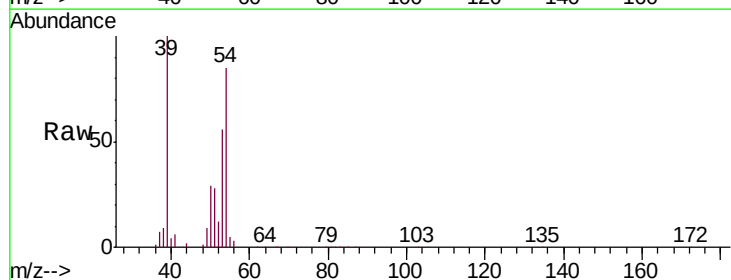
Acq: 6 Feb 2019 1:51

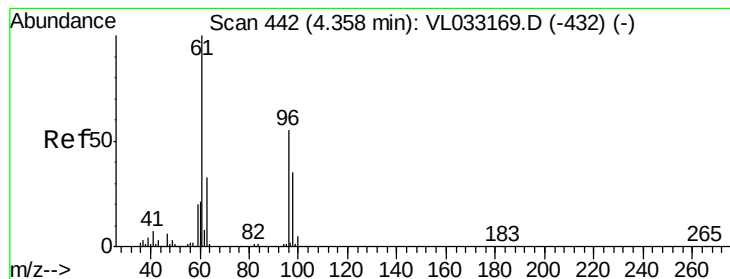
Tgt Ion: 39 Resp: 492372

Ion Ratio Lower Upper

39 100

54 89.1 71.3 106.9



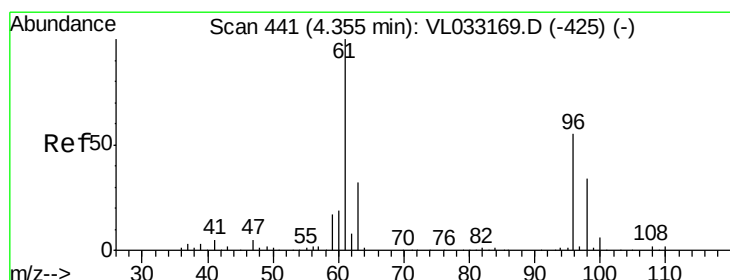
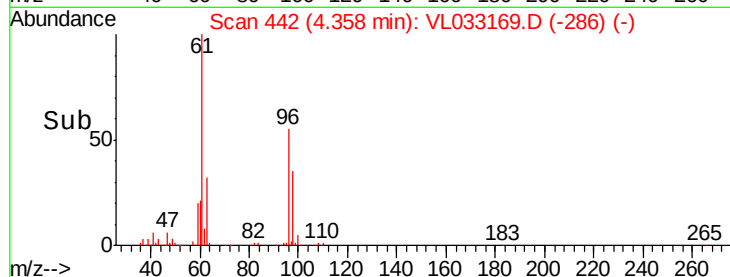
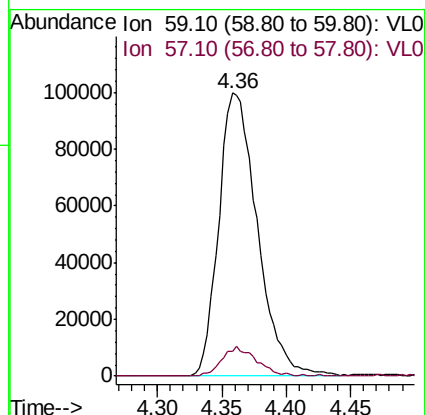
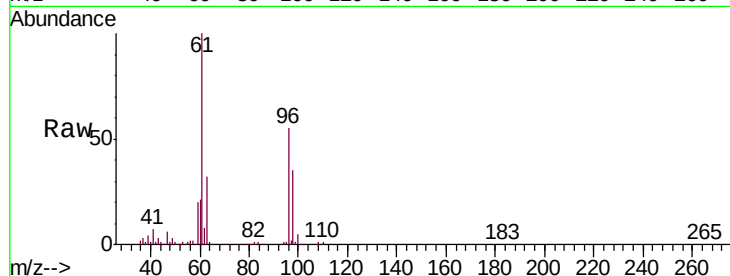


#17

tert-Butyl alcohol
Concen: 9.731 ppbv
RT: 4.36 min Scan# 442
Delta R.T. 0.00 min
Lab File: VL033169.D
Acq: 6 Feb 2019 1:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

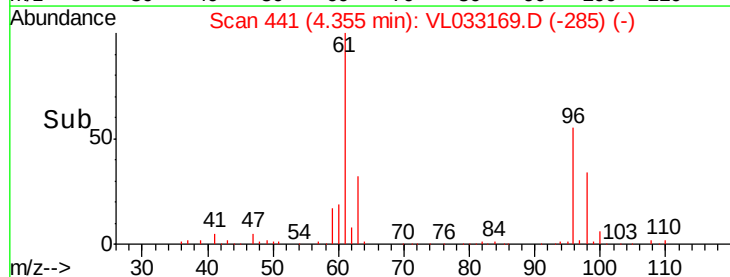
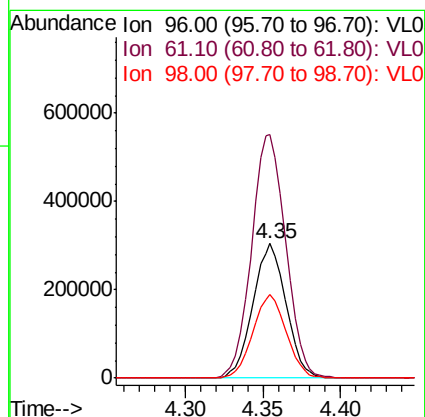
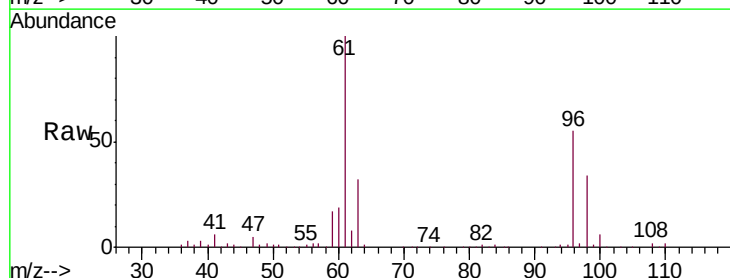
Tgt Ion: 59 Resp: 207225
Ion Ratio Lower Upper
59 100
57 9.5 7.6 11.4

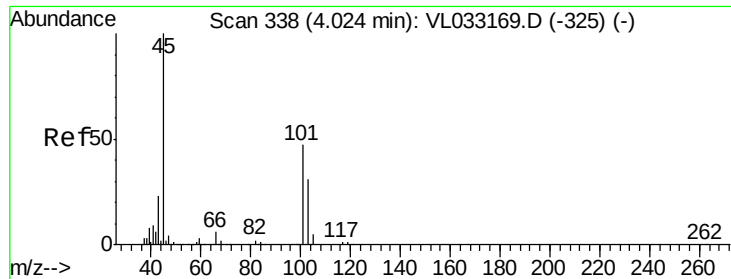


#18

1,1-Dichloroethene
Concen: 9.589 ppbv
RT: 4.35 min Scan# 441
Delta R.T. 0.00 min
Lab File: VL033169.D
Acq: 6 Feb 2019 1:51

Tgt Ion: 96 Resp: 456501
Ion Ratio Lower Upper
96 100
61 181.3 145.0 217.6
98 62.5 50.0 75.0





#19

Isopropyl Alcohol

Concen: 8.574 ppbv

RT: 4.02 min Scan# 338

Delta R.T. 0.00 min

Lab File: VL033169.D

Acq: 6 Feb 2019 1:51

Instrument :

MSVOA_L

ClientSampleId :

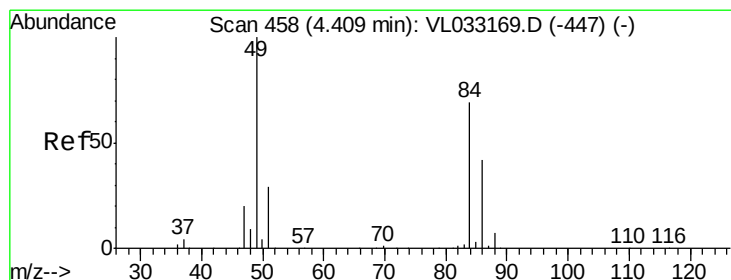
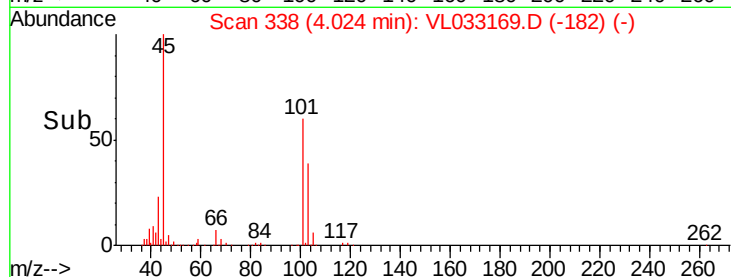
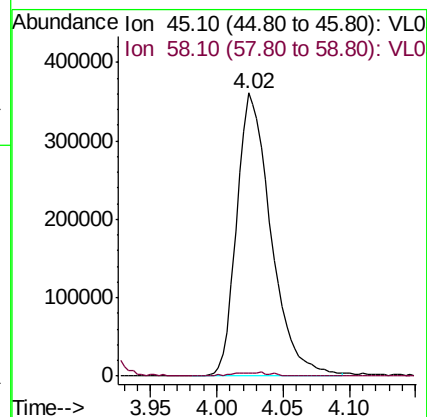
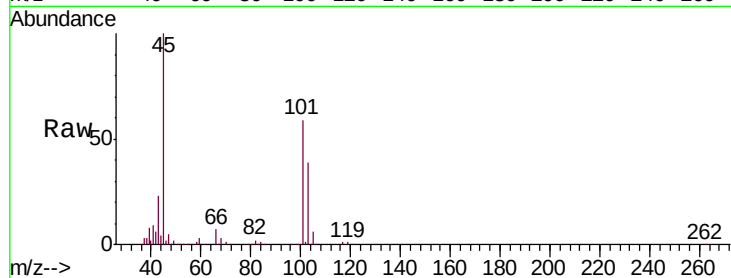
VSTDICCC010

Tgt Ion: 45 Resp: 649520

Ion Ratio Lower Upper

45 100

58 1.9 1.5 2.3



#20

Methylene Chloride

Concen: 8.663 ppbv

RT: 4.41 min Scan# 458

Delta R.T. 0.00 min

Lab File: VL033169.D

Acq: 6 Feb 2019 1:51

Tgt Ion: 84 Resp: 384911

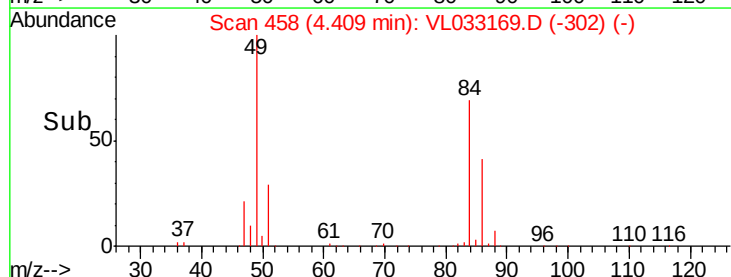
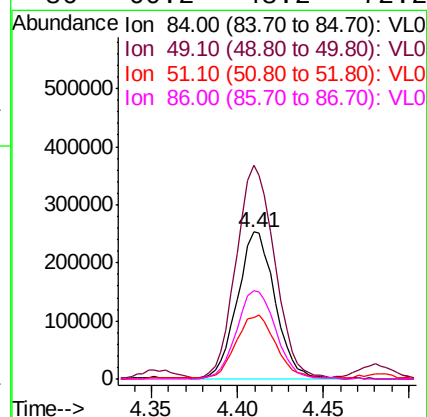
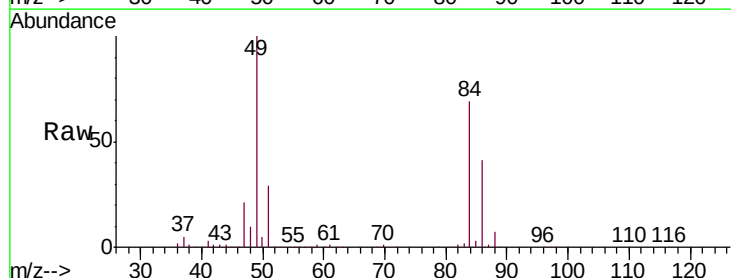
Ion Ratio Lower Upper

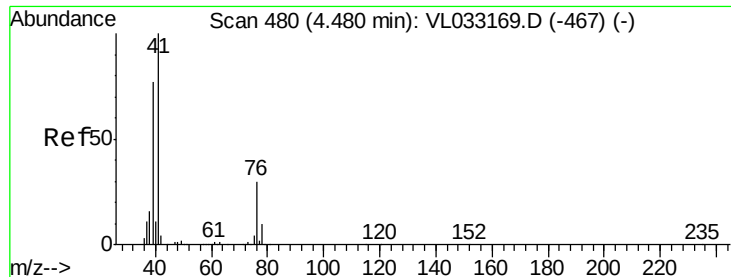
84 100

49 144.8 115.8 173.8

51 41.3 33.0 49.6

86 60.2 48.2 72.2

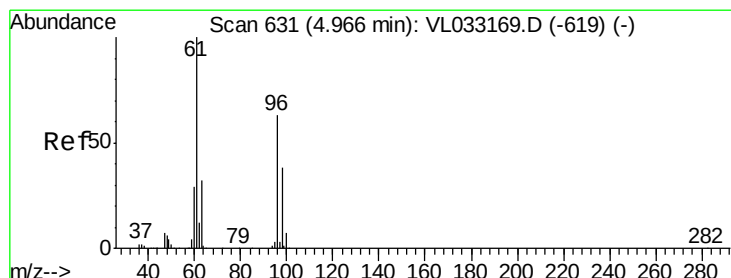
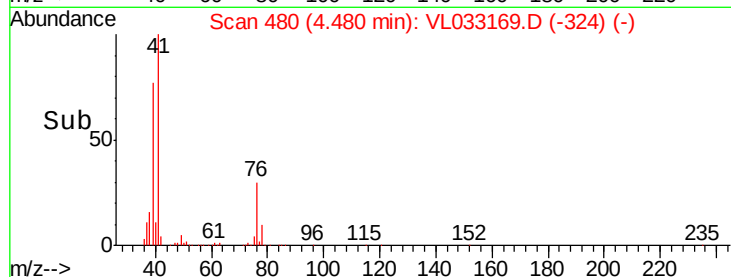
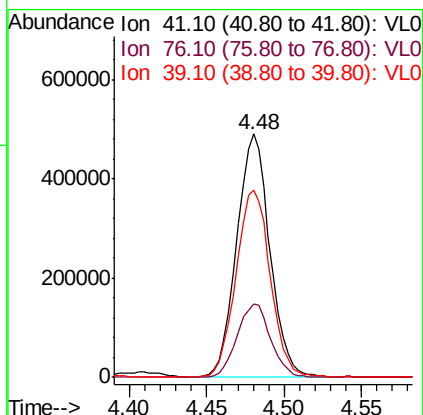
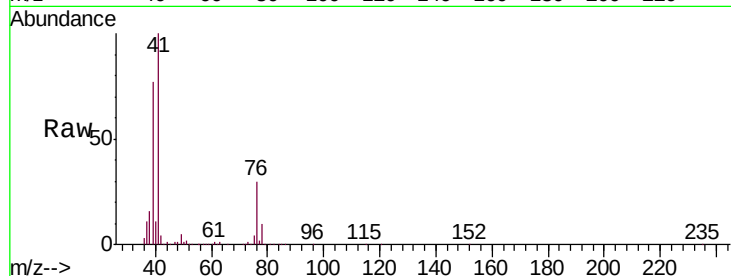




#21
 Allyl Chloride
 Concen: 9.839 ppbv
 RT: 4.48 min Scan# 480
 Delta R.T. 0.00 min
 Lab File: VL033169.D
 Acq: 6 Feb 2019 1:51

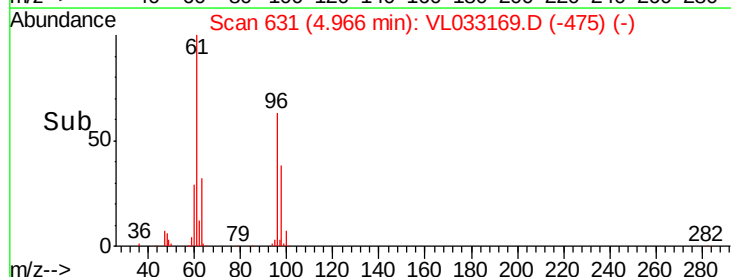
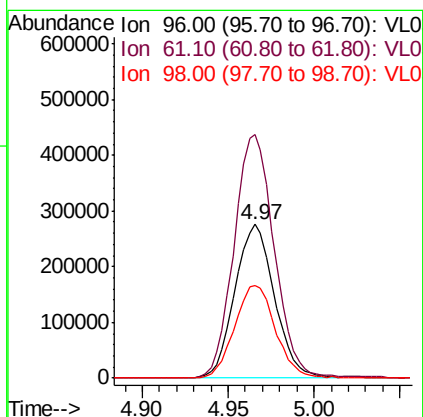
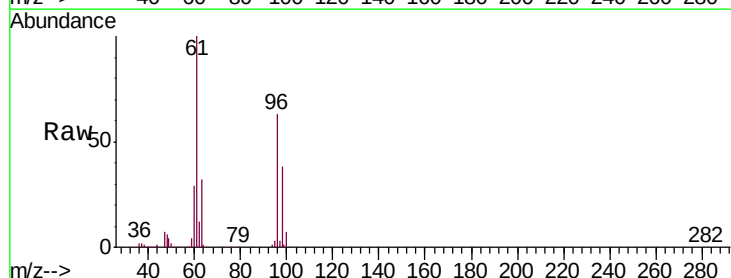
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

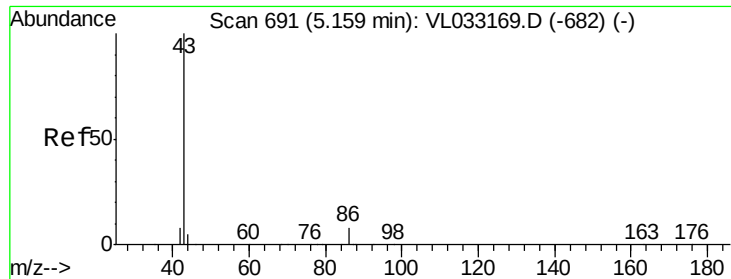
Tgt Ion: 41 Resp: 725634
 Ion Ratio Lower Upper
 41 100
 76 30.6 24.5 36.7
 39 80.1 64.1 96.1



#22
 trans-1,2-Dichloroethene
 Concen: 9.565 ppbv
 RT: 4.97 min Scan# 631
 Delta R.T. 0.00 min
 Lab File: VL033169.D
 Acq: 6 Feb 2019 1:51

Tgt Ion: 96 Resp: 442191
 Ion Ratio Lower Upper
 96 100
 61 158.0 126.4 189.6
 98 60.5 48.4 72.6



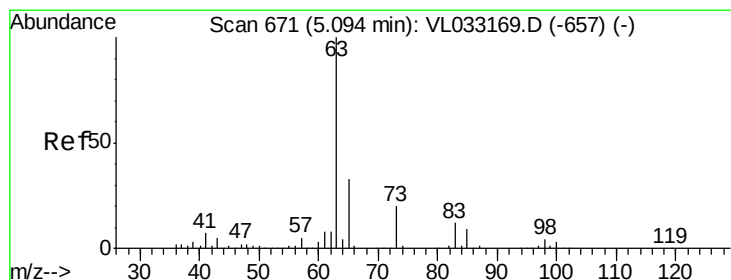
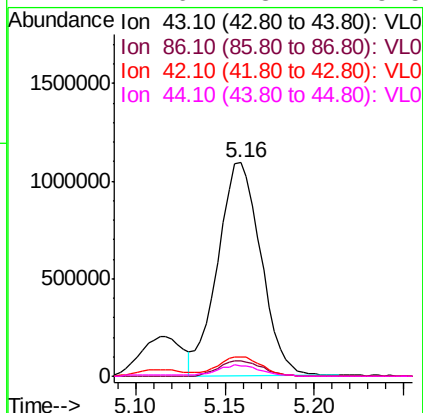
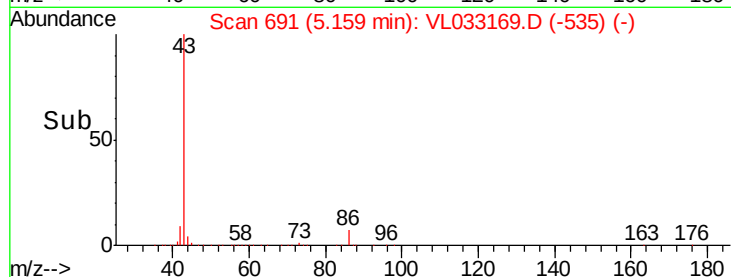
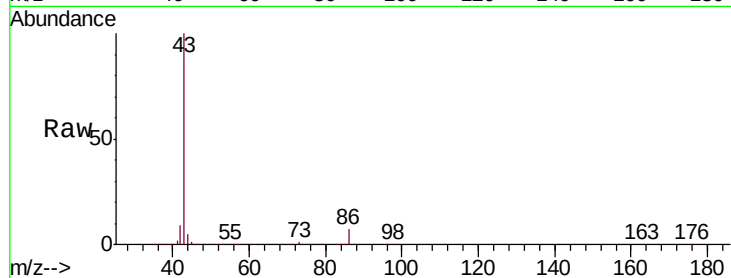


#23
 Vinyl Acetate
 Concen: 9.454 ppbv
 RT: 5.16 min Scan# 691
 Delta R.T. 0.00 min
 Lab File: VL033169.D
 Acq: 6 Feb 2019 1:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 43 Resp: 1830215

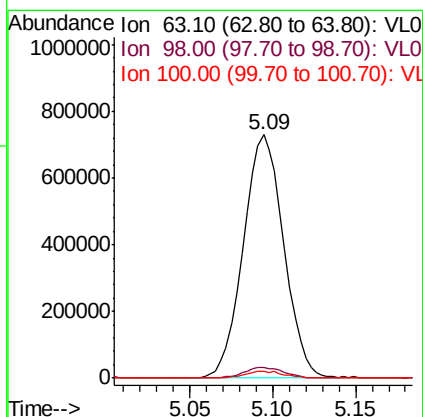
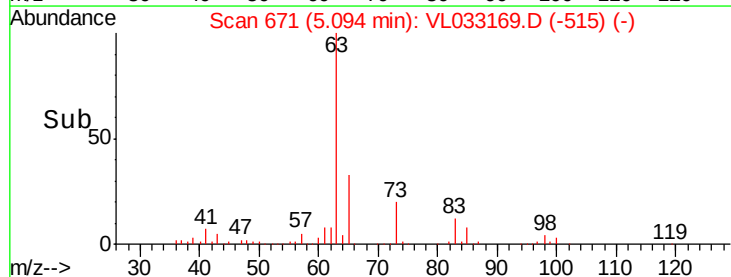
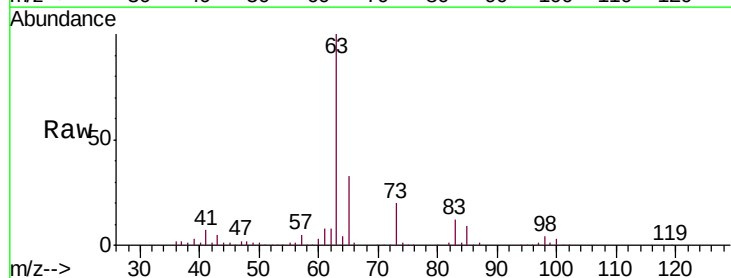
Ion	Ratio	Lower	Upper
43	100		
86	7.3	5.8	8.8
42	9.2	7.4	11.0
44	4.6	3.7	5.5

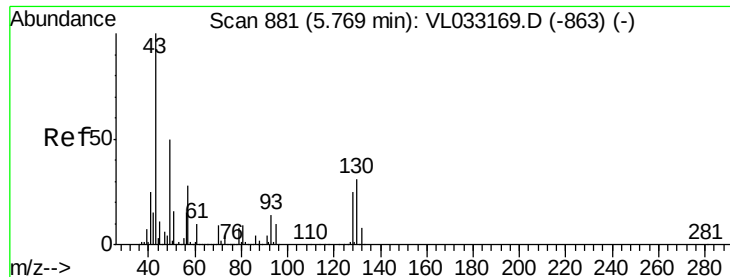


#24
 1,1-Dichloroethane
 Concen: 8.987 ppbv
 RT: 5.09 min Scan# 671
 Delta R.T. 0.00 min
 Lab File: VL033169.D
 Acq: 6 Feb 2019 1:51

Tgt Ion: 63 Resp: 1230489

Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.1	6.5
100	2.8	1.4	4.2



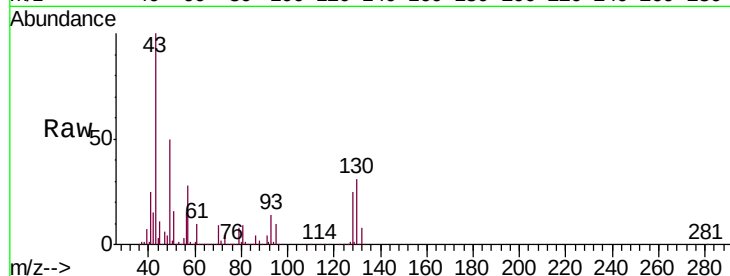


#25
Ethyl Acetate
Concen: 8.485 ppbv
RT: 5.77 min Scan# 881
Delta R.T. 0.00 min
Lab File: VL033169.D
Acq: 6 Feb 2019 1:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 2130812

Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.9	11.9
61	9.4	7.5	11.3
70	7.3	5.8	8.8



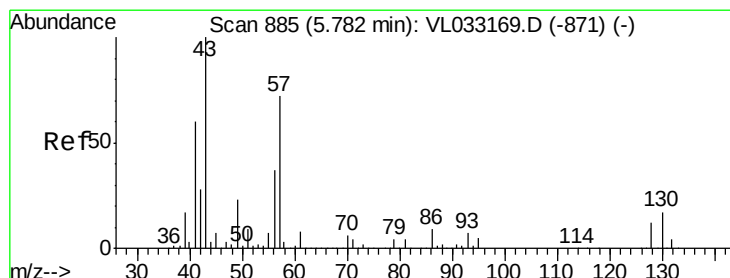
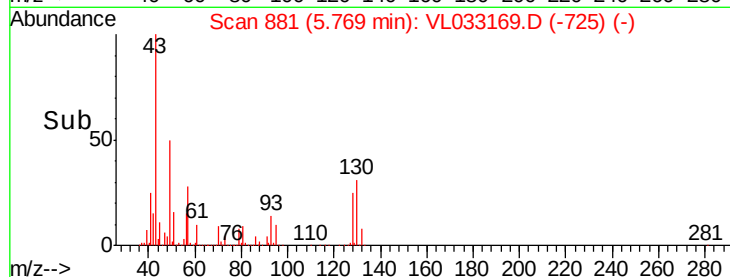
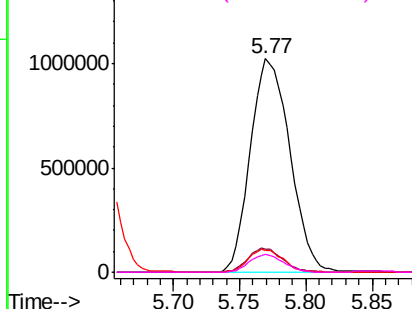
Abundance

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

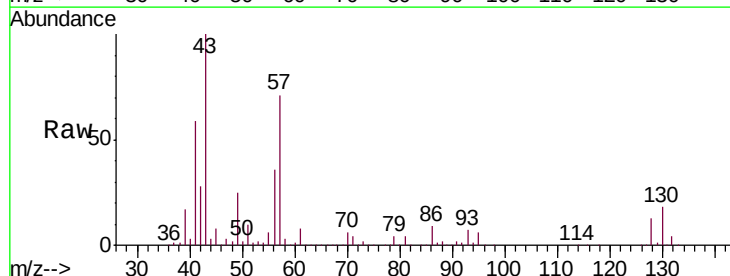
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 8.228 ppbv
RT: 5.78 min Scan# 885
Delta R.T. 0.00 min
Lab File: VL033169.D
Acq: 6 Feb 2019 1:51

Tgt Ion: 57 Resp: 969994

Ion	Ratio	Lower	Upper
57	100		
41	86.8	69.4	104.2
43	220.9	176.7	265.1
56	51.7	41.4	62.0



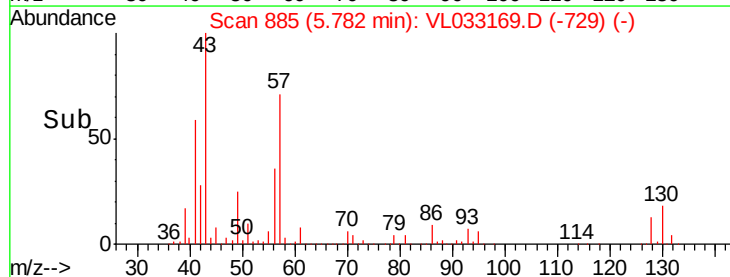
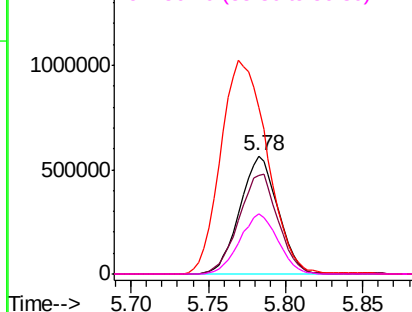
Abundance

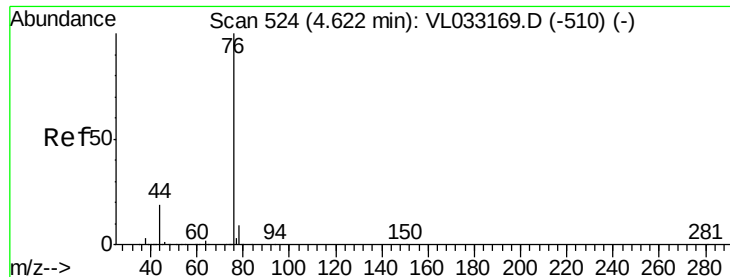
Ion 57.10 (56.80 to 57.80): VL0

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: 10.322 ppbv

RT: 4.62 min Scan# 524

Delta R.T. 0.00 min

Lab File: VL033169.D

Acq: 6 Feb 2019 1:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

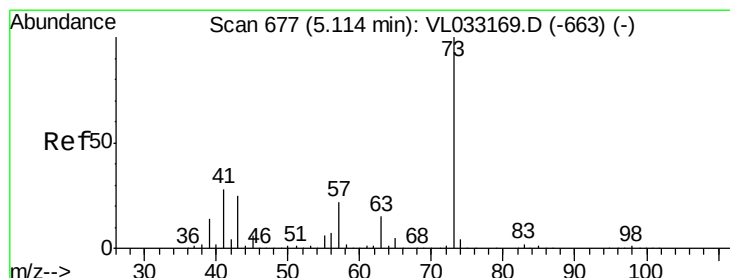
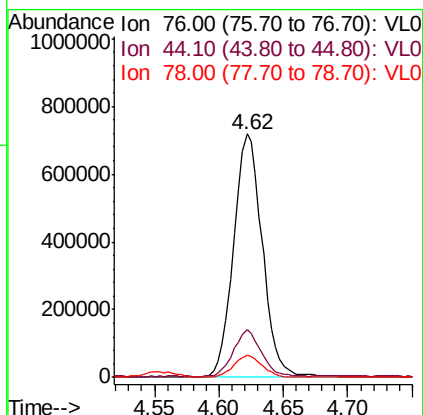
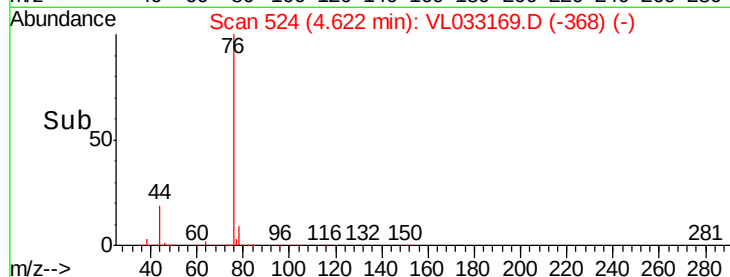
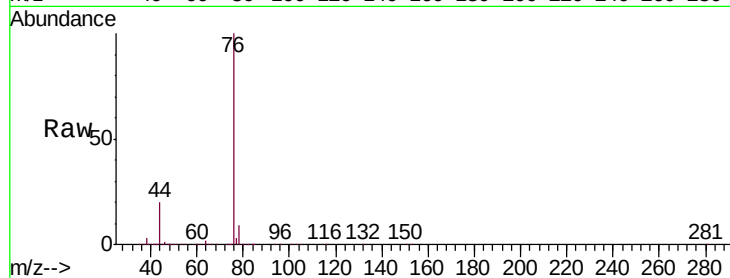
Tgt Ion: 76 Resp: 1114845

Ion Ratio Lower Upper

76 100

44 18.7 15.0 22.4

78 9.2 7.4 11.0



#28

Methyl tert-Butyl Ether

Concen: 9.174 ppbv

RT: 5.11 min Scan# 677

Delta R.T. 0.00 min

Lab File: VL033169.D

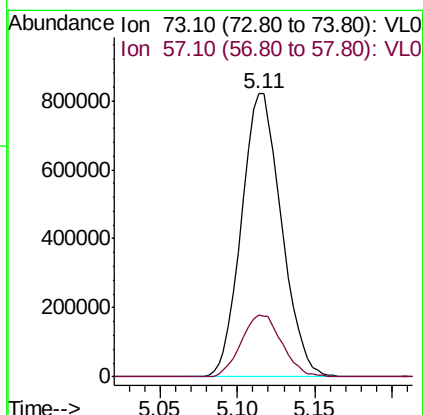
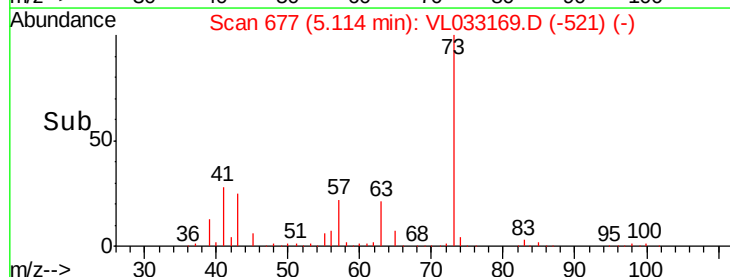
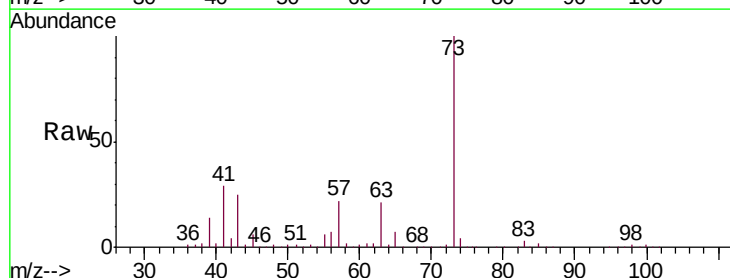
Acq: 6 Feb 2019 1:51

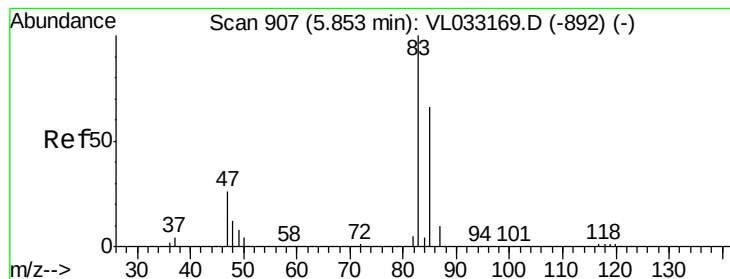
Tgt Ion: 73 Resp: 1477905

Ion Ratio Lower Upper

73 100

57 22.4 17.9 26.9





#29

Chloroform

Concen: 8.738 ppbv

RT: 5.85 min Scan# 907

Delta R.T. 0.00 min

Lab File: VL033169.D

Acq: 6 Feb 2019 1:51

Instrument :

MSVOA_L

ClientSampleId :

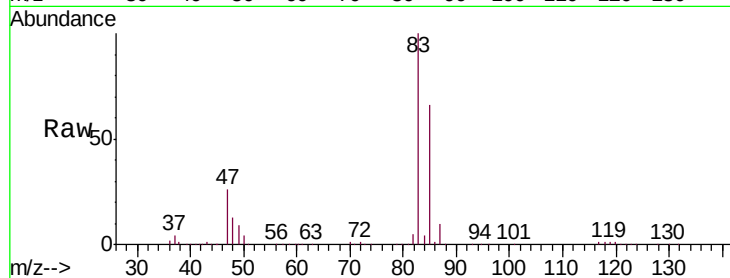
VSTDICCC010

Tgt Ion: 83 Resp: 1578787

Ion Ratio Lower Upper

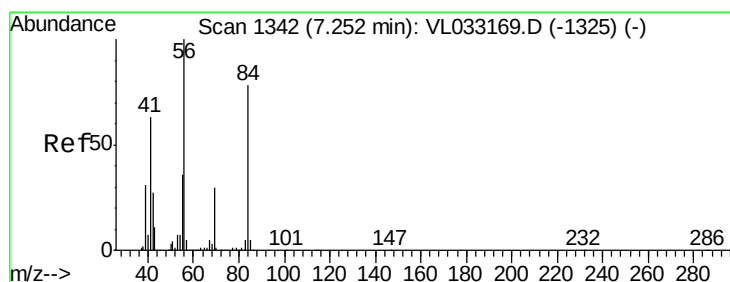
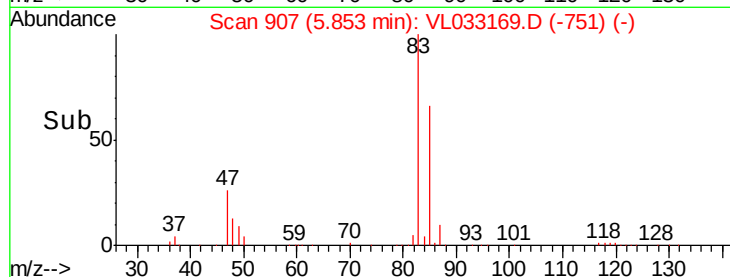
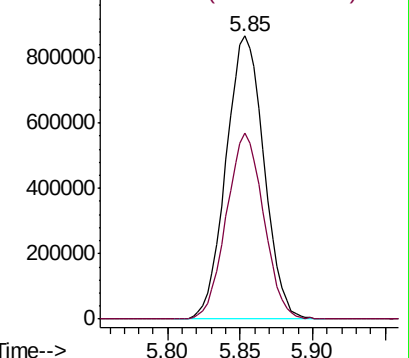
83 100

85 65.7 52.6 78.8



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 9.147 ppbv

RT: 7.25 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VL033169.D

Acq: 6 Feb 2019 1:51

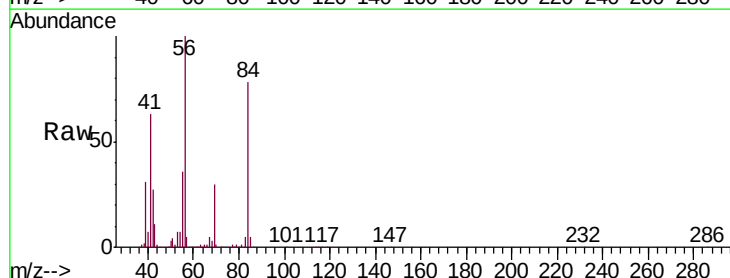
Tgt Ion: 84 Resp: 1000580

Ion Ratio Lower Upper

84 100

56 136.9 109.5 164.3

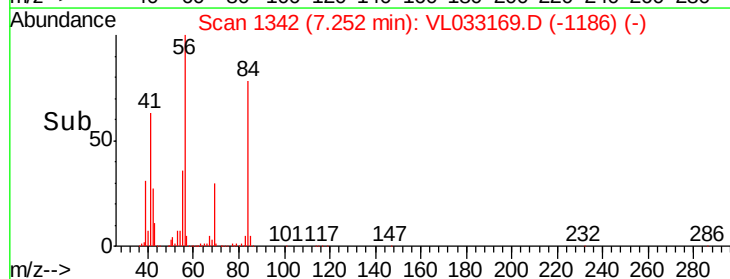
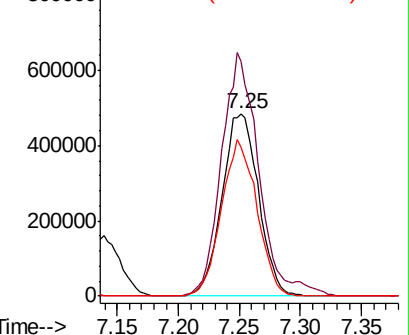
41 83.3 66.6 100.0

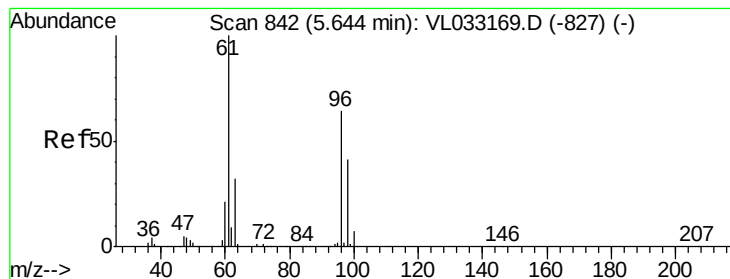


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0





#31

cis-1,2-Dichloroethene

Concen: 8.827 ppbv

RT: 5.64 min Scan# 842

Delta R.T. 0.00 min

Lab File: VL033169.D

Acq: 6 Feb 2019 1:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

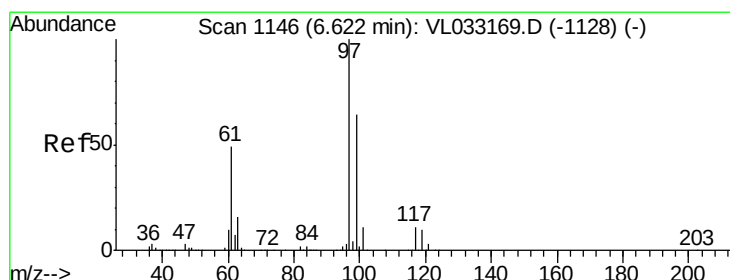
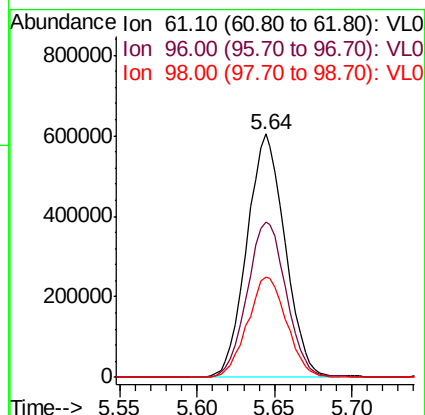
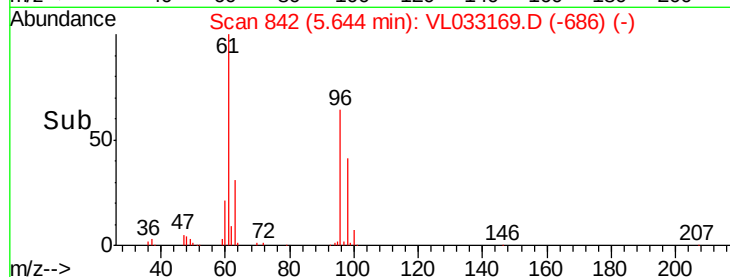
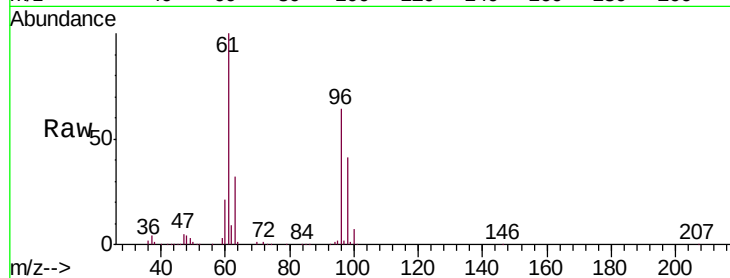
Tgt Ion: 61 Resp: 1041621

Ion Ratio Lower Upper

61 100

96 64.0 51.2 76.8

98 41.0 32.8 49.2



#32

1,1,1-Trichloroethane

Concen: 7.693 ppbv

RT: 6.62 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VL033169.D

Acq: 6 Feb 2019 1:51

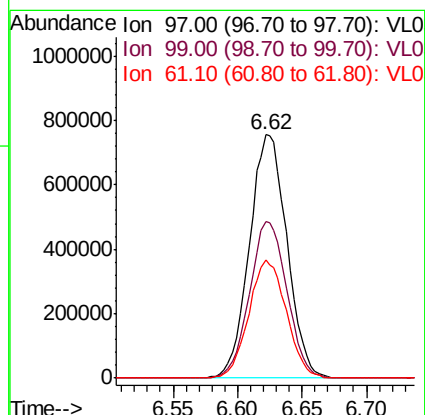
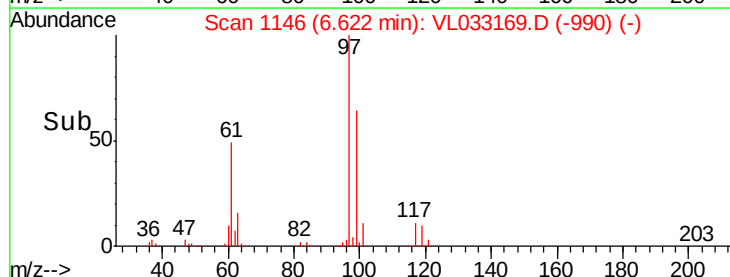
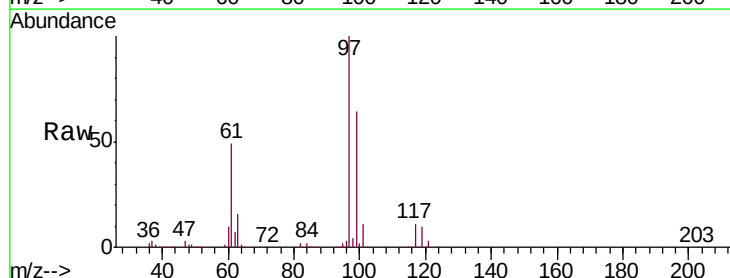
Tgt Ion: 97 Resp: 1530386

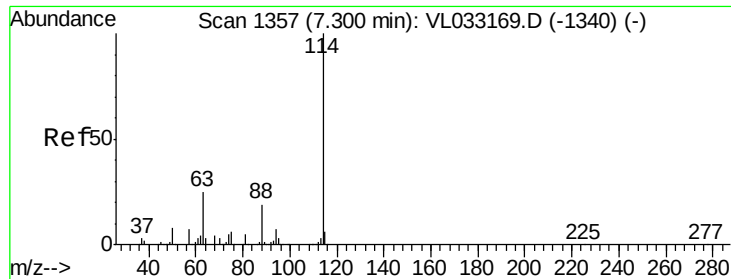
Ion Ratio Lower Upper

97 100

99 64.3 51.4 77.2

61 48.5 38.8 58.2

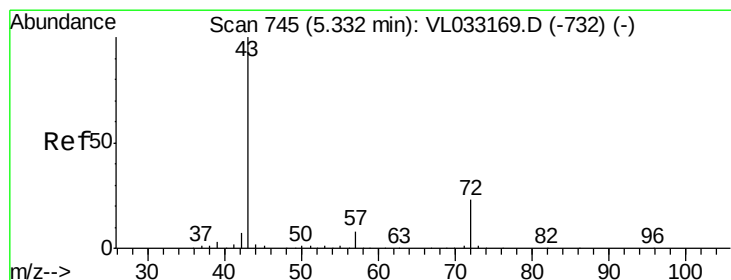
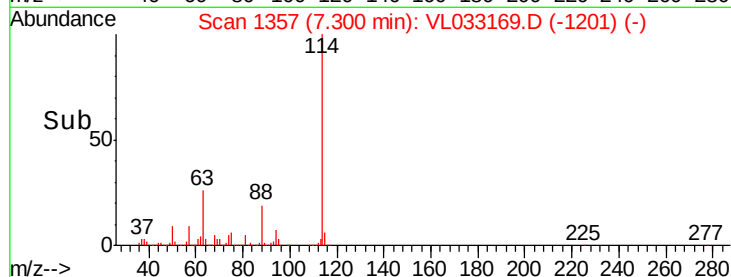
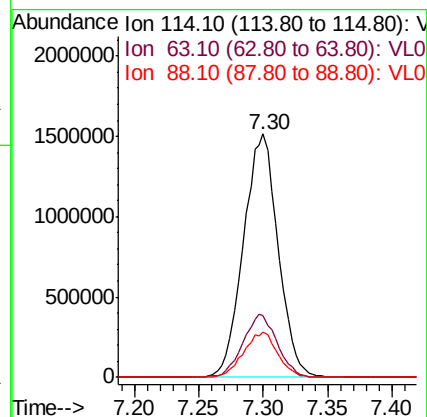
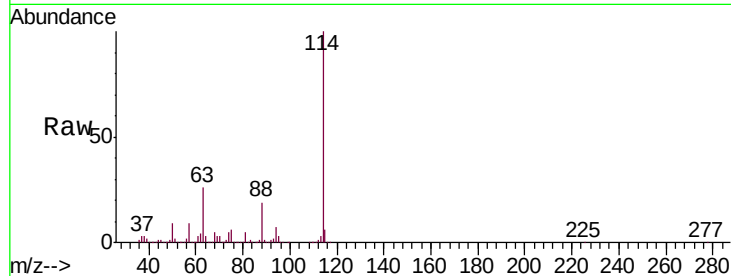




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1357
 Delta R.T. 0.00 min
 Lab File: VL033169.D
 Acq: 6 Feb 2019 1:51

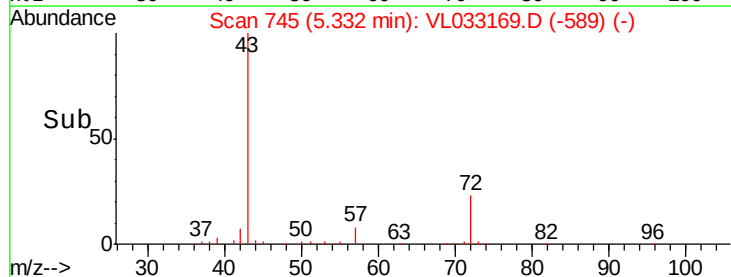
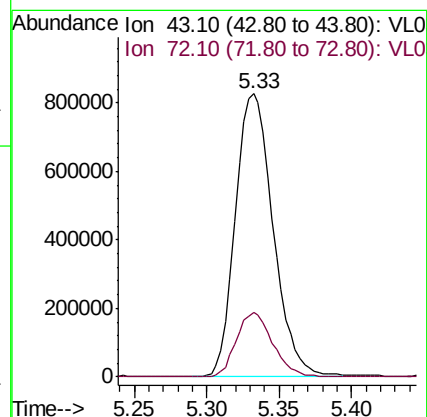
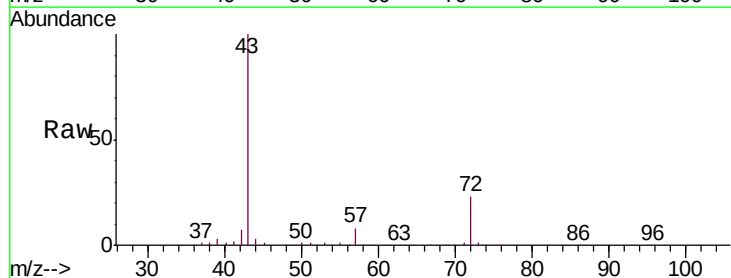
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

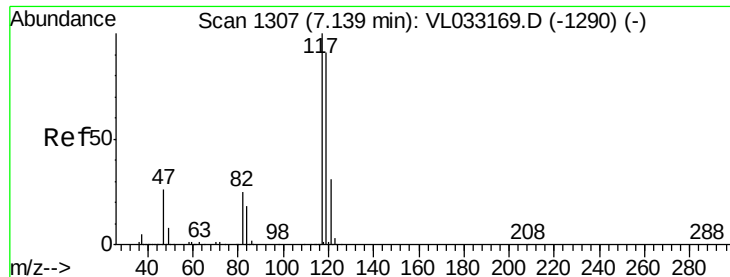
Tgt Ion:114 Resp: 2828061
 Ion Ratio Lower Upper
 114 100
 63 26.0 20.8 31.2
 88 18.3 14.6 22.0



#34
 2-Butanone
 Concen: 8.293 ppbv
 RT: 5.33 min Scan# 745
 Delta R.T. 0.00 min
 Lab File: VL033169.D
 Acq: 6 Feb 2019 1:51

Tgt Ion: 43 Resp: 1487573
 Ion Ratio Lower Upper
 43 100
 72 22.2 17.8 26.6





#35

Carbon Tetrachloride

Concen: 8.532 ppbv

RT: 7.14 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VL033169.D

Acq: 6 Feb 2019 1:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

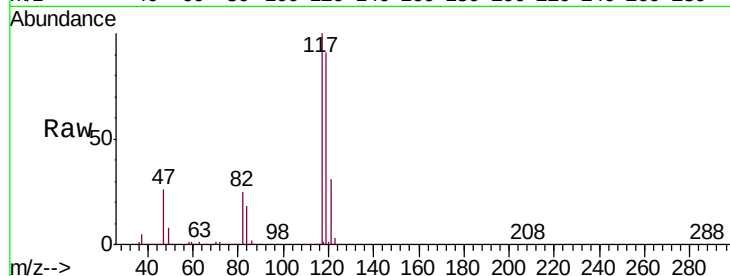
Tgt Ion:117 Resp: 1842830

Ion Ratio Lower Upper

117 100

119 91.3 73.0 109.6

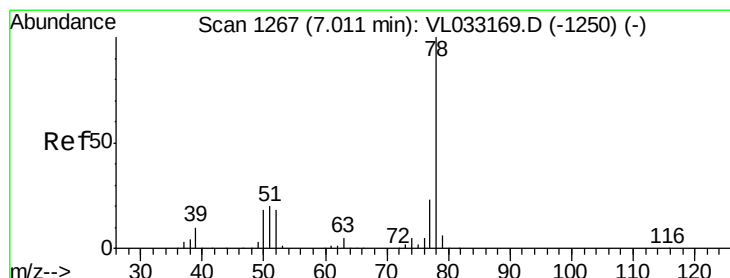
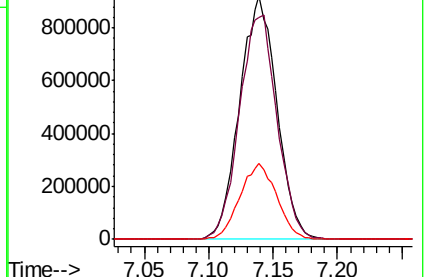
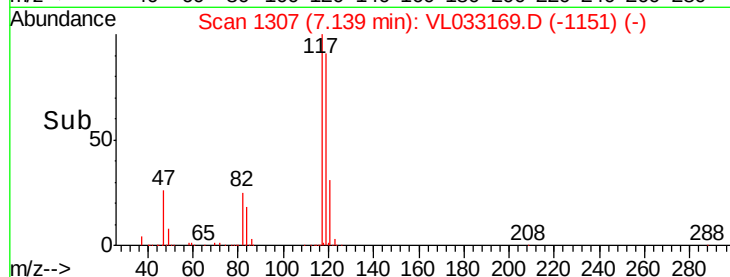
121 31.4 25.1 37.7



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: 7.742 ppbv

RT: 7.01 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VL033169.D

Acq: 6 Feb 2019 1:51

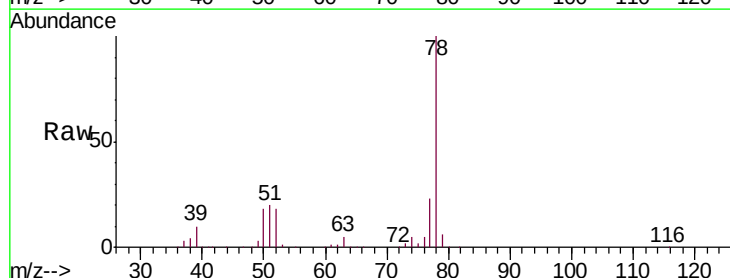
Tgt Ion: 78 Resp: 2218960

Ion Ratio Lower Upper

78 100

77 22.5 18.0 27.0

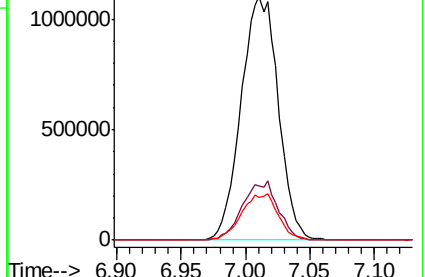
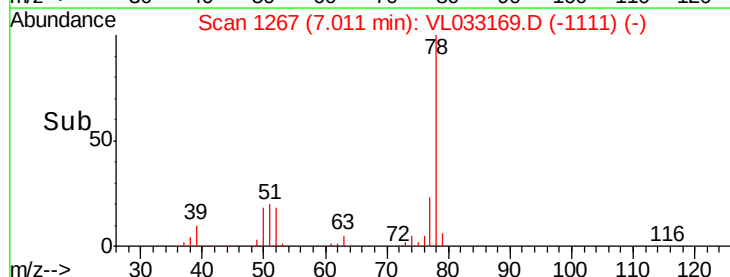
50 17.7 14.2 21.2

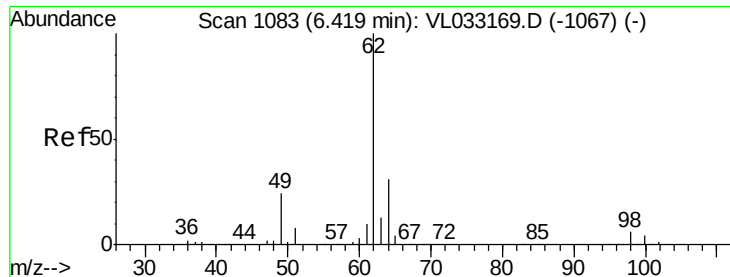


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

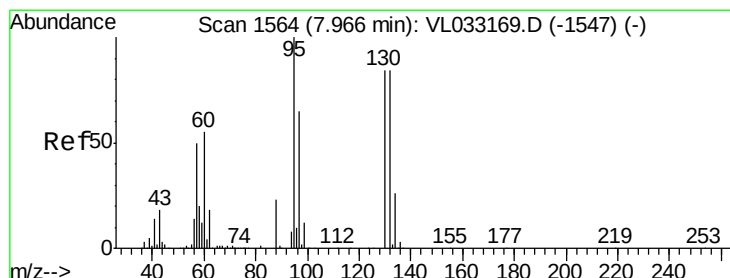
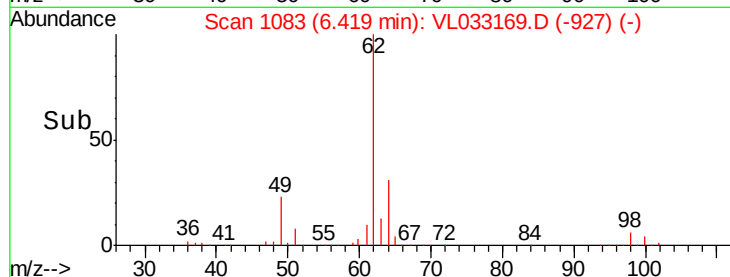
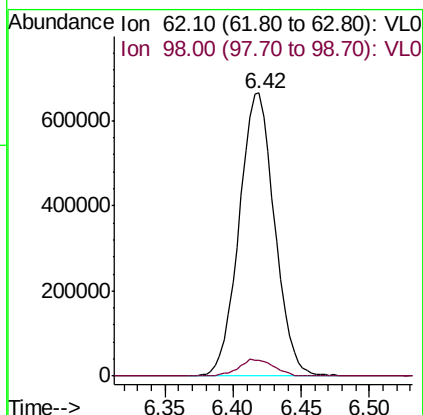
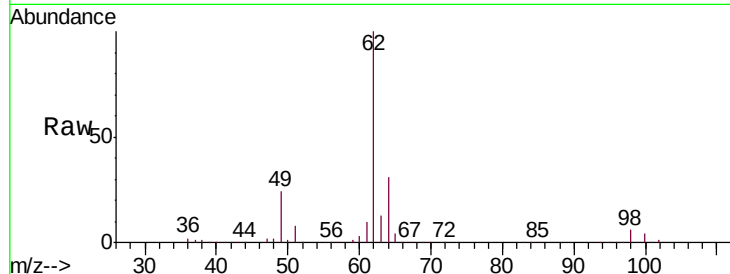




#37
 1,2-Dichloroethane
 Concen: 7.548 ppbv
 RT: 6.42 min Scan# 1083
 Delta R.T. 0.00 min
 Lab File: VL033169.D
 Acq: 6 Feb 2019 1:51

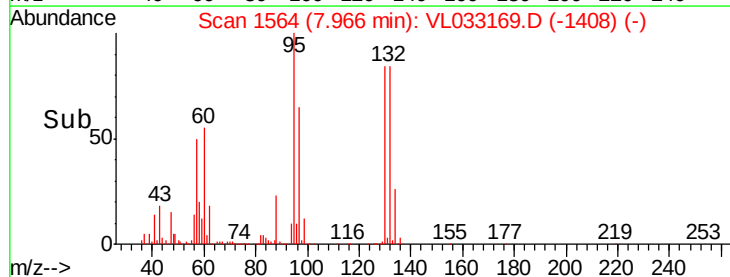
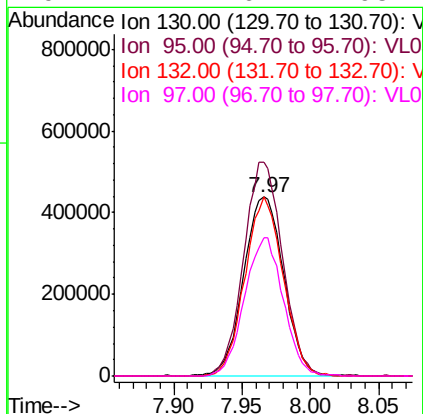
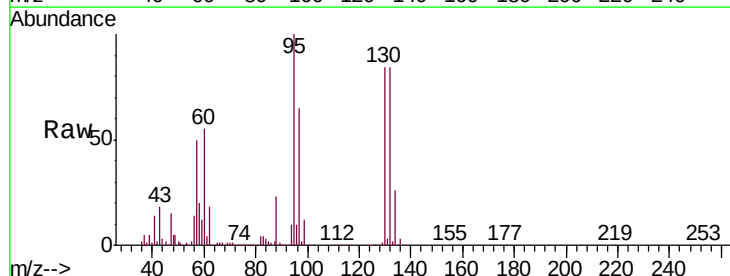
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

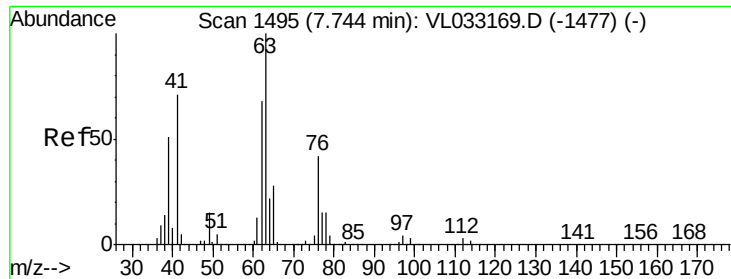
Tgt Ion: 62 Resp: 1198924
 Ion Ratio Lower Upper
 62 100
 98 5.9 4.7 7.1



#38
 Trichloroethene
 Concen: 7.233 ppbv
 RT: 7.97 min Scan# 1564
 Delta R.T. 0.00 min
 Lab File: VL033169.D
 Acq: 6 Feb 2019 1:51

Tgt Ion: 130 Resp: 887756
 Ion Ratio Lower Upper
 130 100
 95 119.4 95.5 143.3
 132 100.0 80.0 120.0
 97 77.7 62.2 93.2





#39

1,2-Dichloropropane

Concen: 8.452 ppbv

RT: 7.74 min Scan# 1495

Delta R.T. 0.00 min

Lab File: VL033169.D

Acq: 6 Feb 2019 1:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

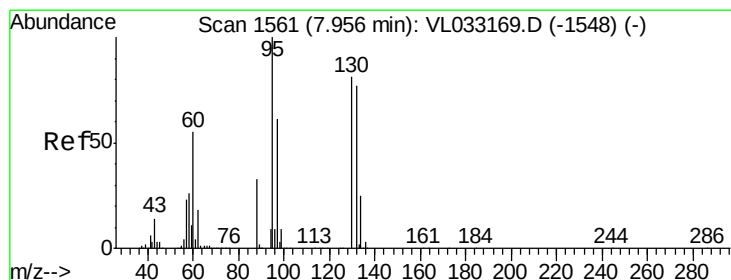
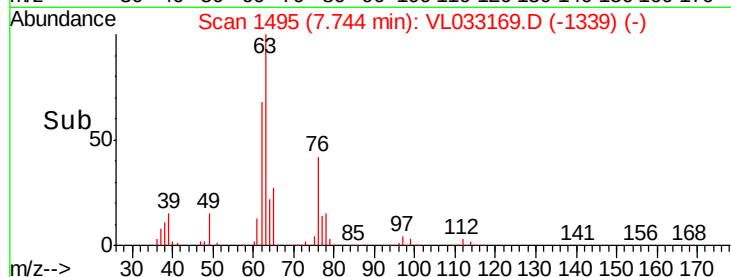
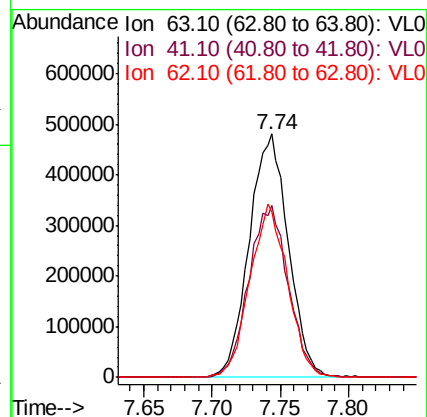
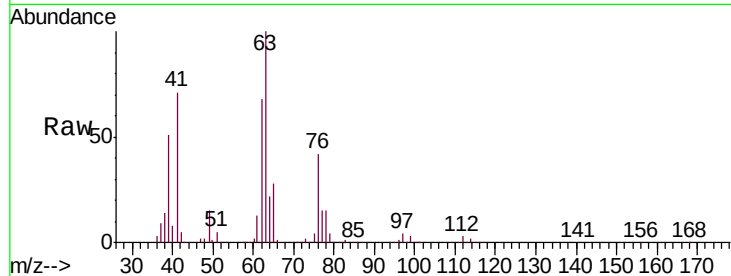
Tgt Ion: 63 Resp: 95695

Ion Ratio Lower Upper

63 100

41 70.5 56.4 84.6

62 67.8 54.2 81.4



#40

1,4-Dioxane

Concen: 7.801 ppbv

RT: 7.96 min Scan# 1561

Delta R.T. 0.00 min

Lab File: VL033169.D

Acq: 6 Feb 2019 1:51

Tgt Ion: 88 Resp: 320935

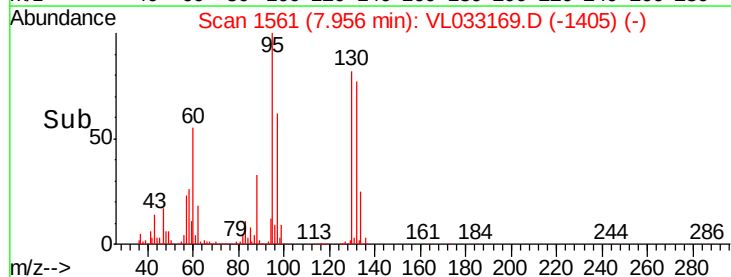
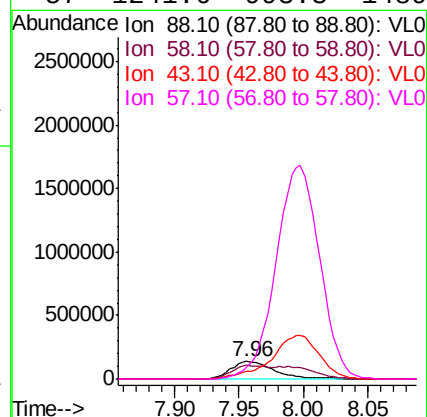
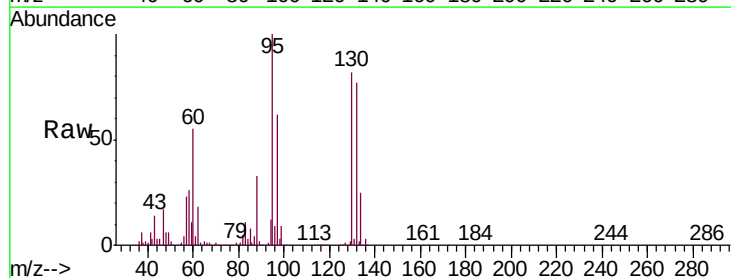
Ion Ratio Lower Upper

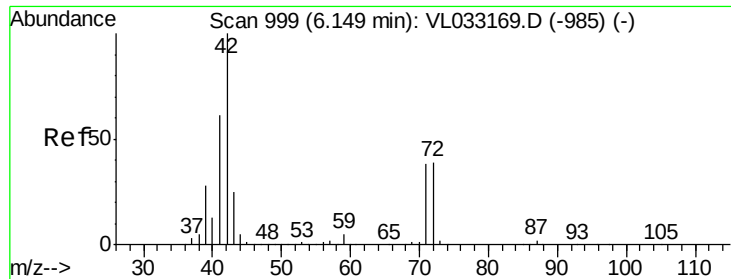
88 100

58 133.0 106.4 159.6

43 274.5 219.6 329.4

57 1241.6 993.3 1489.9

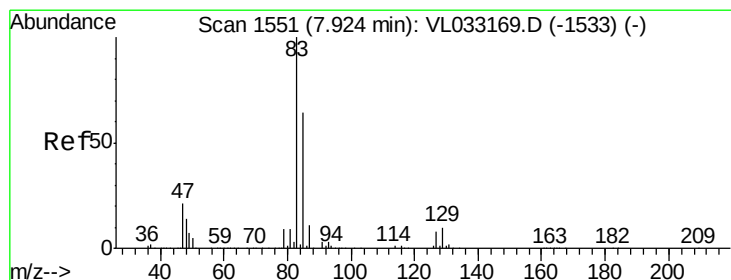
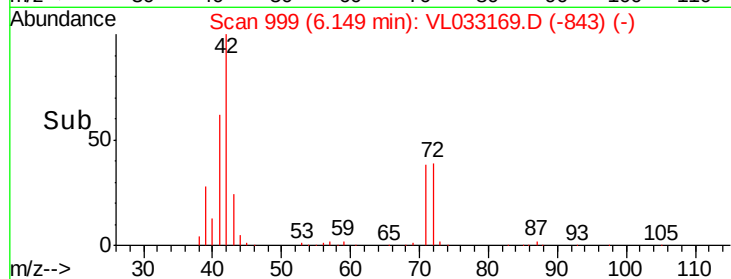
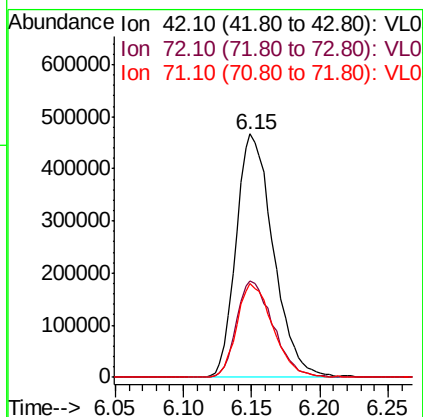
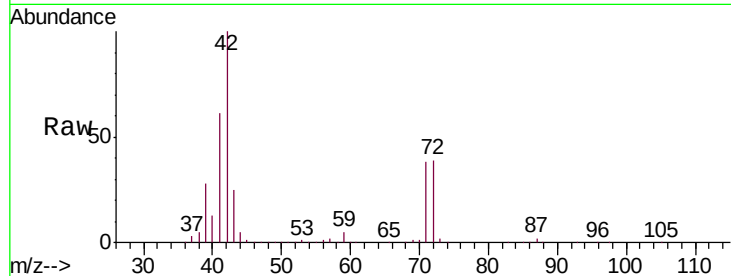




#41
Tetrahydrofuran
Concen: 7.946 ppbv
RT: 6.15 min Scan# 999
Delta R.T. 0.00 min
Lab File: VL033169.D
Acq: 6 Feb 2019 1:51

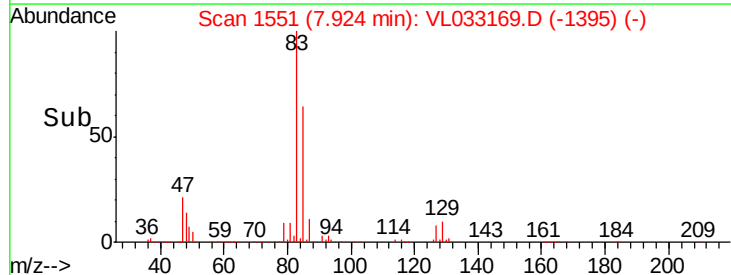
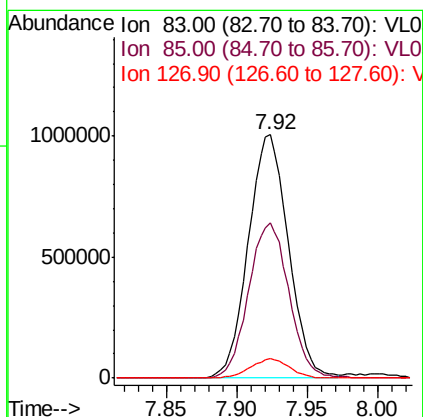
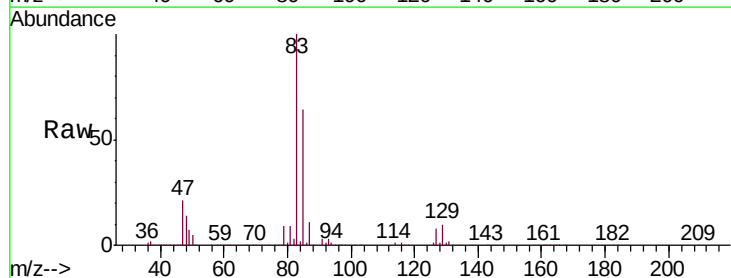
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

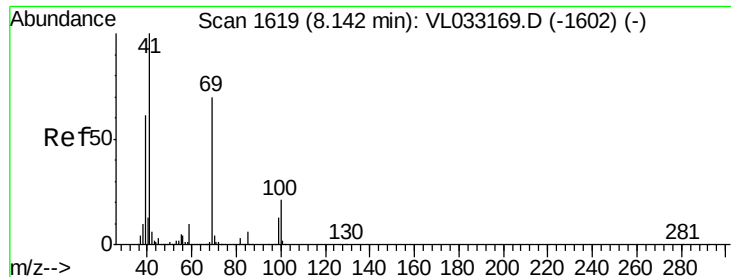
Tgt Ion: 42 Resp: 882307
Ion Ratio Lower Upper
42 100
72 39.3 31.4 47.2
71 37.7 30.2 45.2



#42
Bromodichloromethane
Concen: 8.690 ppbv
RT: 7.92 min Scan# 1551
Delta R.T. 0.00 min
Lab File: VL033169.D
Acq: 6 Feb 2019 1:51

Tgt Ion: 83 Resp: 2000389
Ion Ratio Lower Upper
83 100
85 63.9 51.1 76.7
127 8.0 6.4 9.6

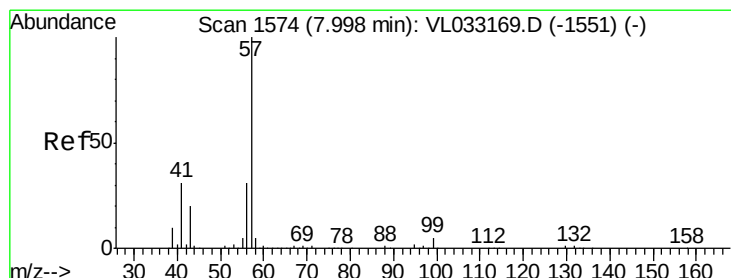
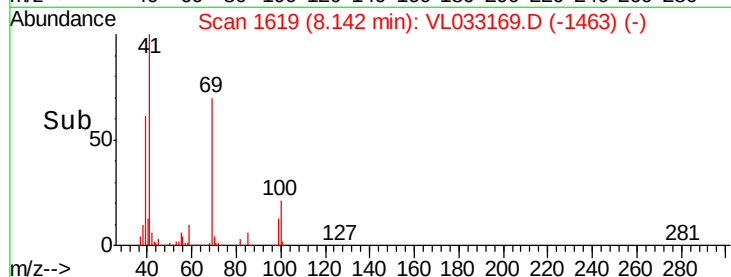
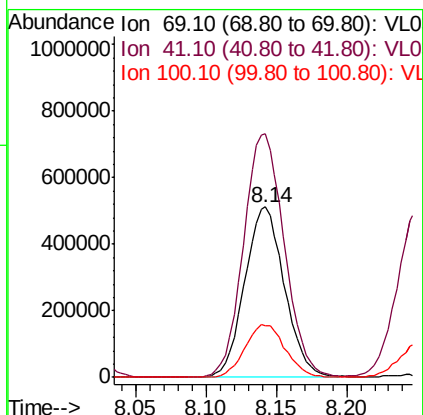
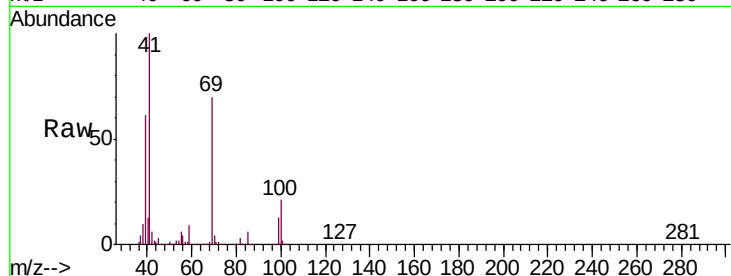




#43
Methyl Methacrylate
Concen: 8.781 ppbv
RT: 8.14 min Scan# 1619
Delta R.T. 0.00 min
Lab File: VL033169.D
Acq: 6 Feb 2019 1:51

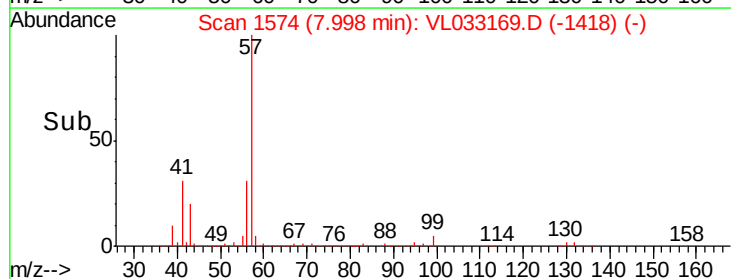
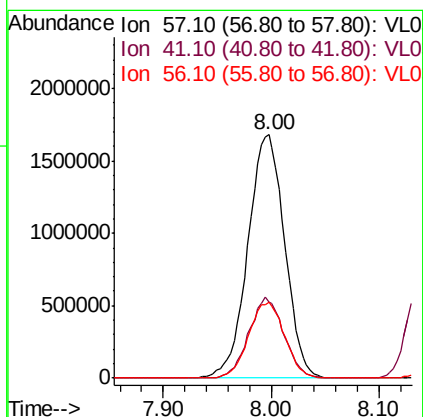
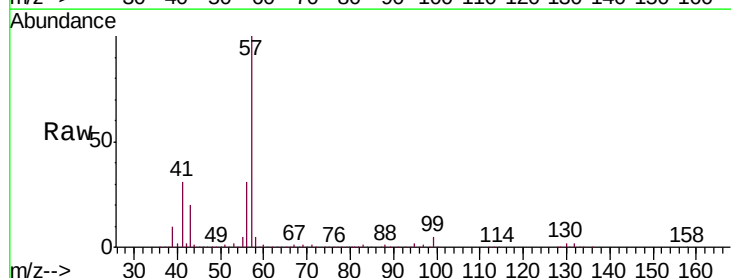
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

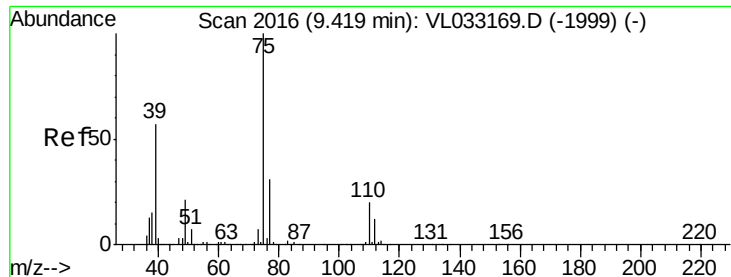
Tgt Ion: 69 Resp: 1010427
Ion Ratio Lower Upper
69 100
41 146.4 117.1 175.7
100 31.3 25.0 37.6



#44
2,2,4-Trimethylpentane
Concen: 8.193 ppbv
RT: 8.00 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VL033169.D
Acq: 6 Feb 2019 1:51

Tgt Ion: 57 Resp: 3979303
Ion Ratio Lower Upper
57 100
41 31.5 25.2 37.8
56 30.6 24.5 36.7

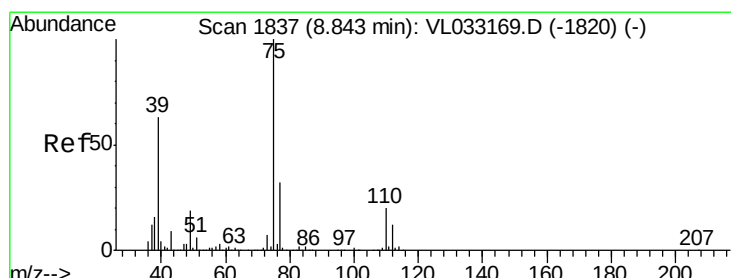
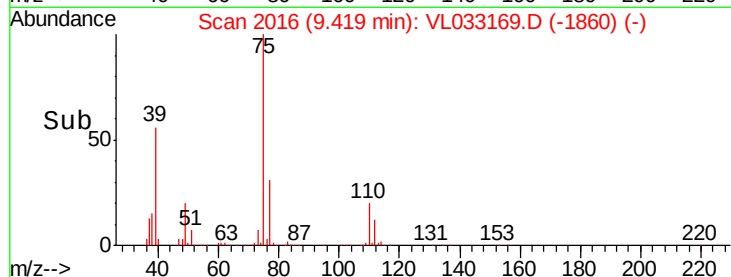
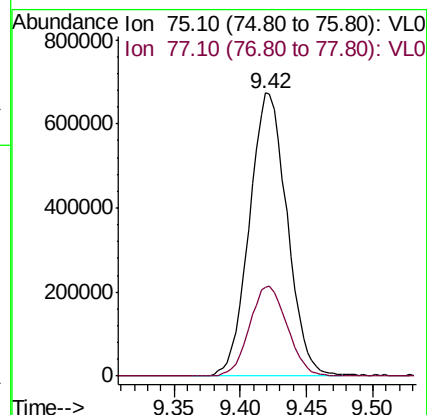
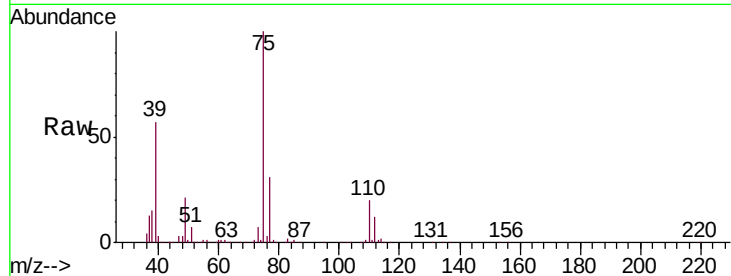




#45
 t-1,3-Dichloropropene
 Concen: 10.406 ppbv
 RT: 9.42 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VL033169.D
 Acq: 6 Feb 2019 1:51

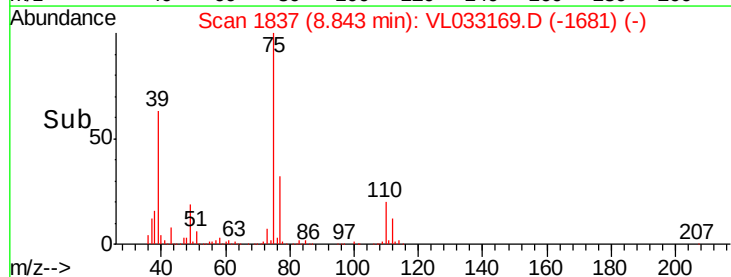
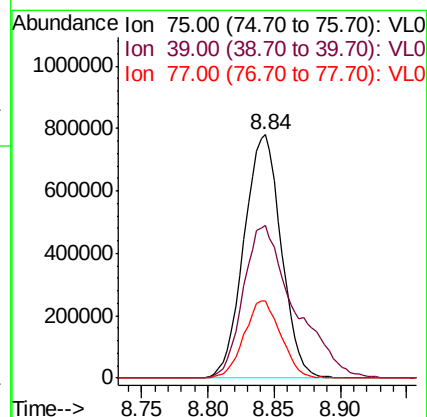
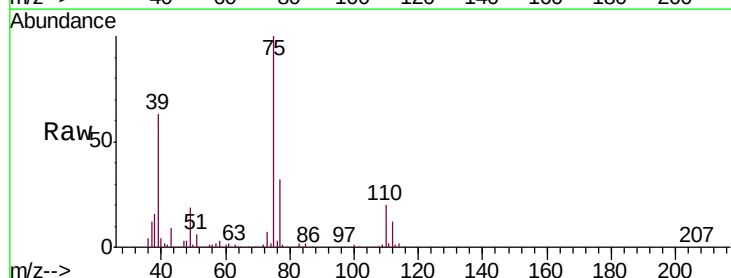
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

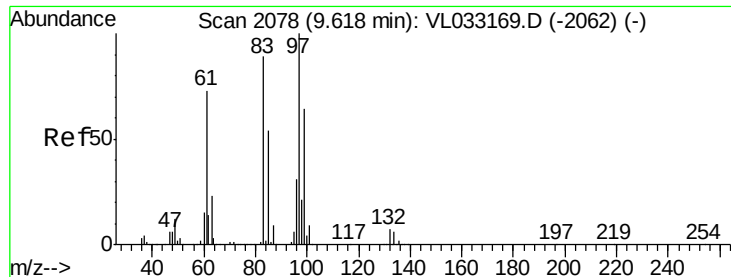
Tgt Ion: 75 Resp: 1330266
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.0 37.4



#46
 cis-1,3-Dichloropropene
 Concen: 9.371 ppbv
 RT: 8.84 min Scan# 1837
 Delta R.T. 0.00 min
 Lab File: VL033169.D
 Acq: 6 Feb 2019 1:51

Tgt Ion: 75 Resp: 1525912
 Ion Ratio Lower Upper
 75 100
 39 62.6 50.1 75.1
 77 31.8 25.4 38.2

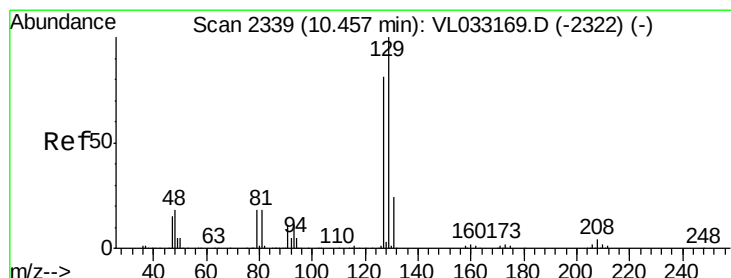
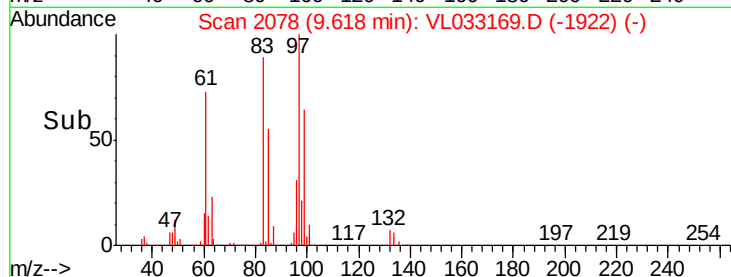
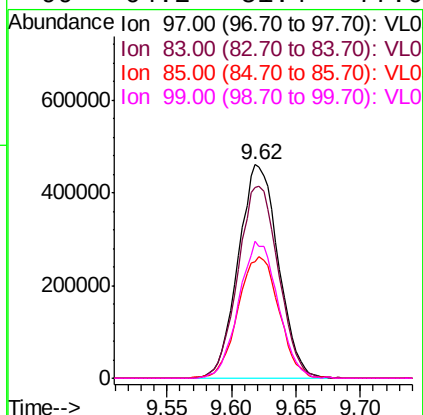
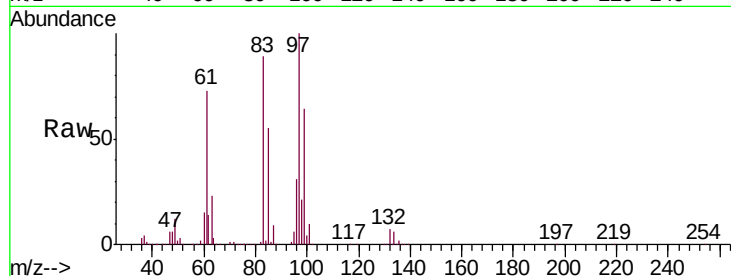




#47
 1,1,2-Trichloroethane
 Concen: 8.509 ppbv
 RT: 9.62 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VL033169.D
 Acq: 6 Feb 2019 1:51

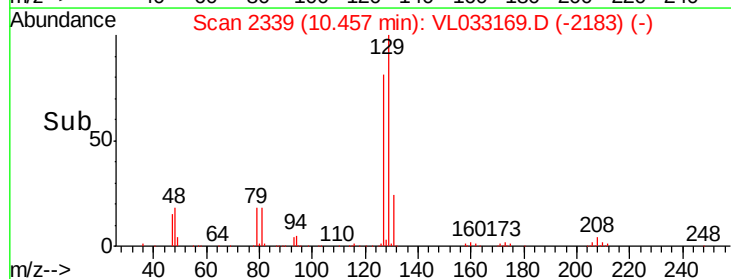
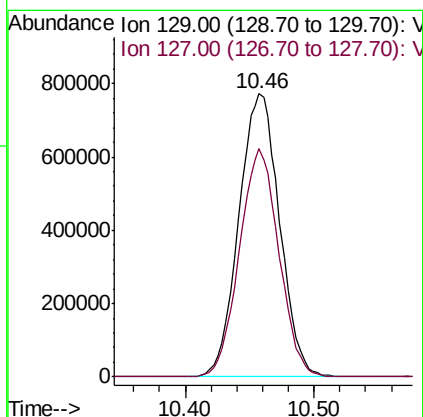
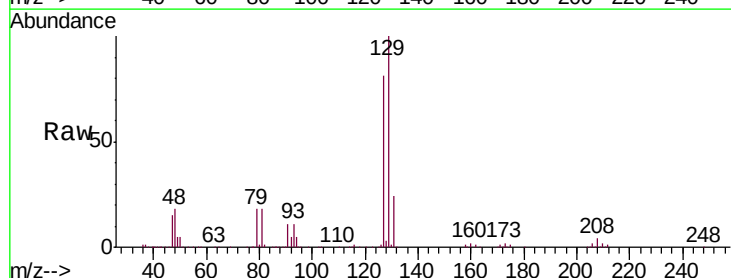
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

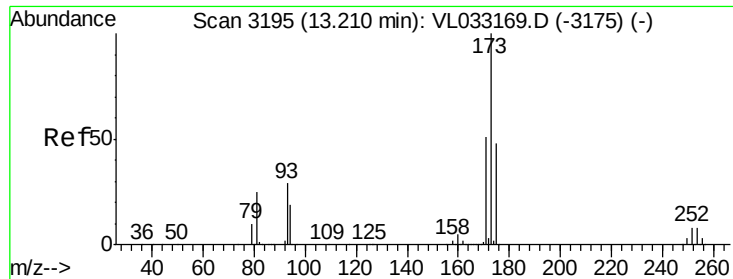
Tgt Ion: 97 Resp: 999621
 Ion Ratio Lower Upper
 97 100
 83 89.3 71.4 107.2
 85 54.4 43.5 65.3
 99 64.2 51.4 77.0



#48
 Dibromochloromethane
 Concen: 9.167 ppbv
 RT: 10.46 min Scan# 2339
 Delta R.T. 0.00 min
 Lab File: VL033169.D
 Acq: 6 Feb 2019 1:51

Tgt Ion: 129 Resp: 1695357
 Ion Ratio Lower Upper
 129 100
 127 78.2 39.1 117.3





#49

Bromoform

Concen: 9.358 ppbv

RT: 13.21 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VL033169.D

Acq: 6 Feb 2019 1:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

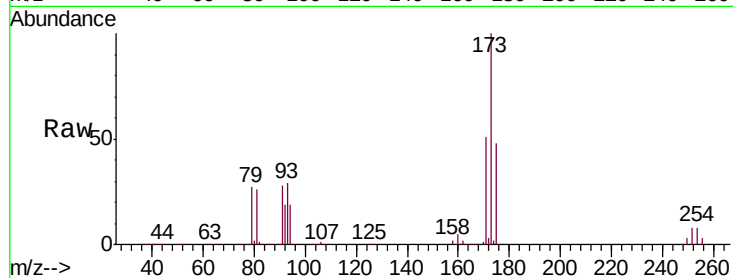
Tgt Ion:173 Resp: 1488946

Ion Ratio Lower Upper

173 100

175 48.3 38.6 58.0

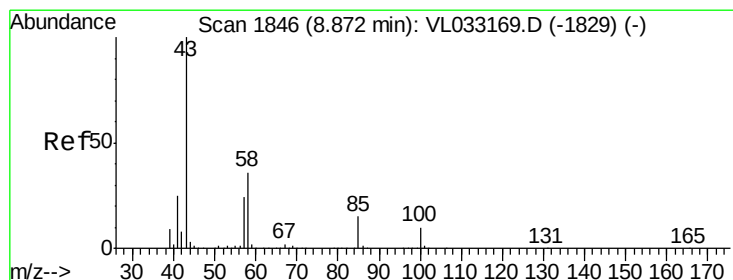
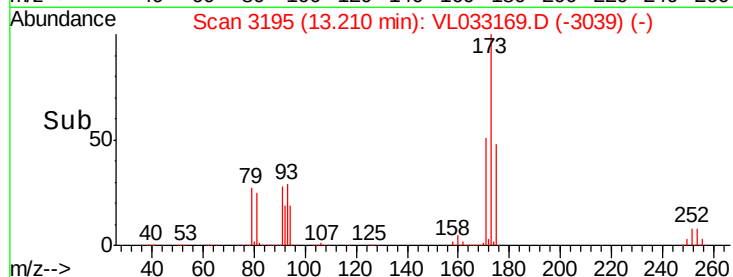
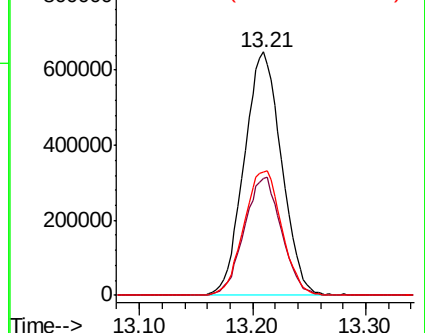
171 52.0 41.6 62.4



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: 8.604 ppbv

RT: 8.87 min Scan# 1846

Delta R.T. 0.00 min

Lab File: VL033169.D

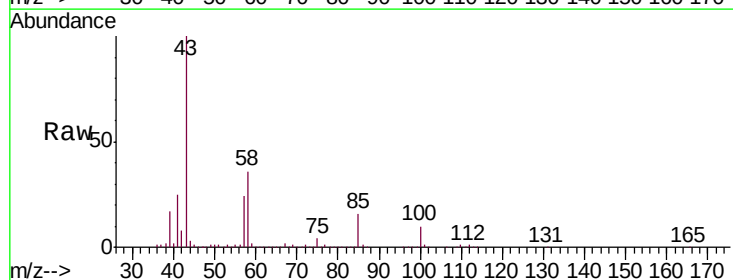
Acq: 6 Feb 2019 1:51

Tgt Ion: 43 Resp: 2475095

Ion Ratio Lower Upper

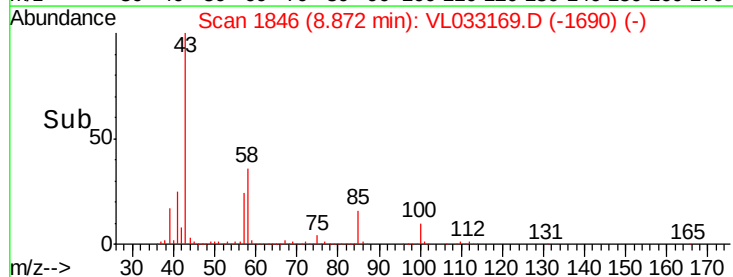
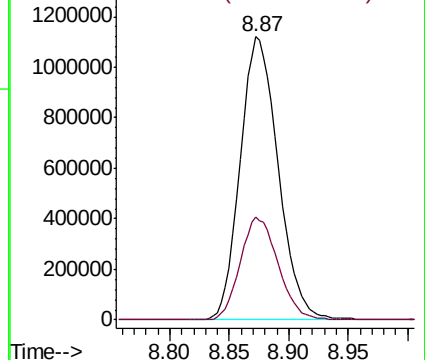
43 100

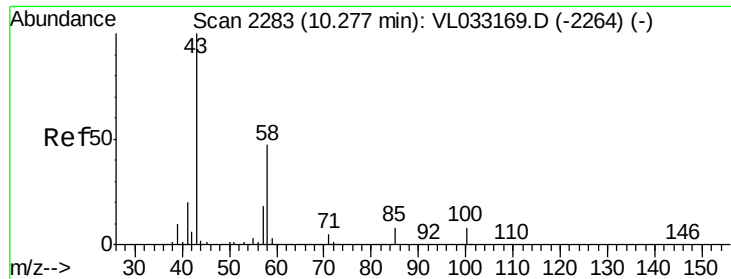
58 36.3 29.0 43.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

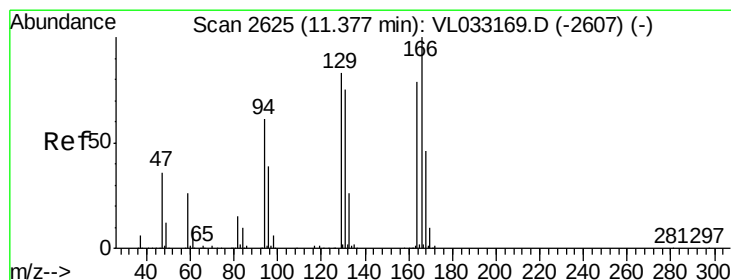
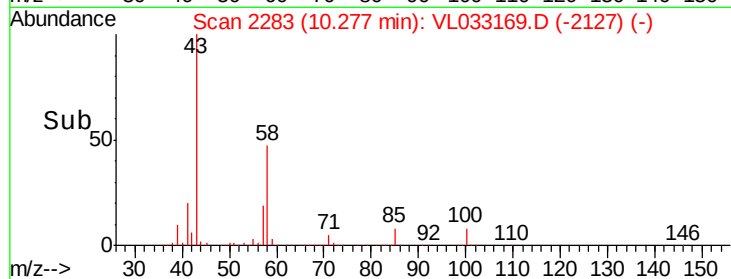
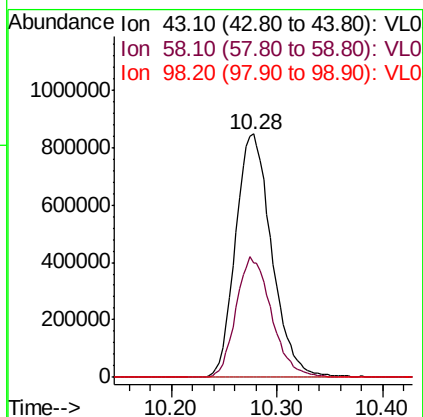
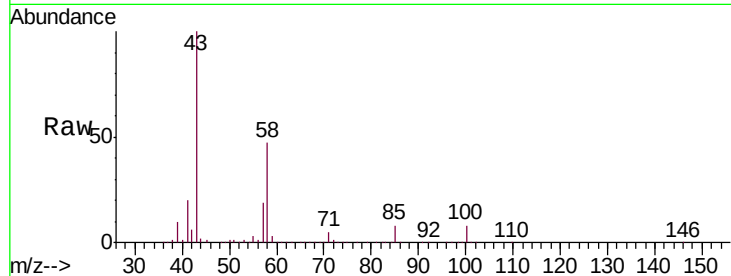




#51
2-Hexanone
Concen: 8.881 ppbv
RT: 10.28 min Scan# 2283
Delta R.T. 0.00 min
Lab File: VL033169.D
Acq: 6 Feb 2019 1:51

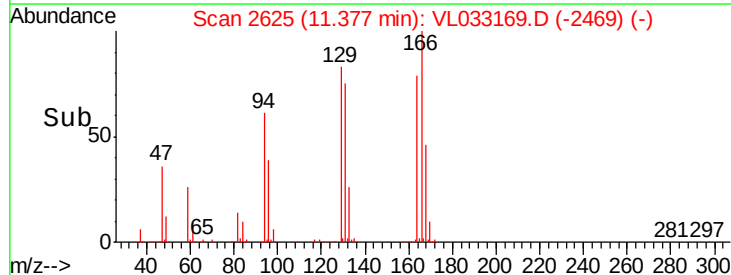
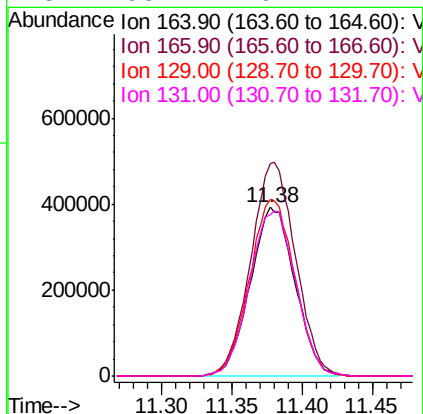
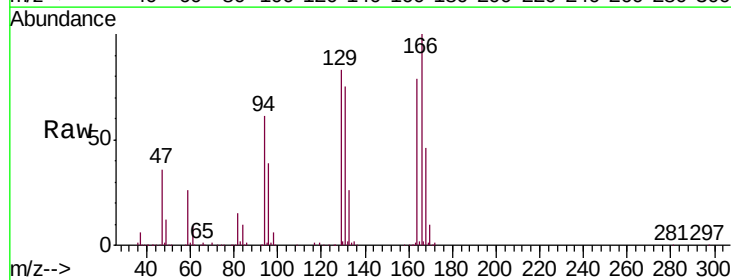
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

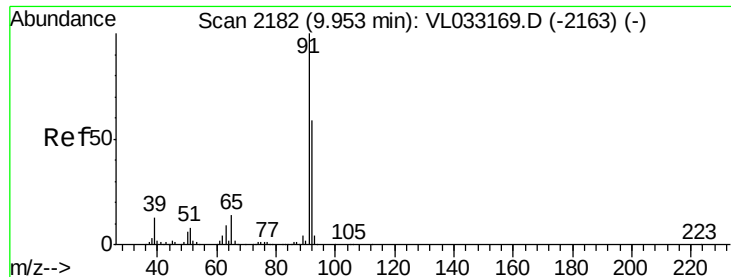
Tgt Ion: 43 Resp: 2014253
Ion Ratio Lower Upper
43 100
58 48.8 39.0 58.6
98 0.1 0.1 0.1#



#52
Tetrachloroethene
Concen: 7.892 ppbv
RT: 11.38 min Scan# 2625
Delta R.T. 0.00 min
Lab File: VL033169.D
Acq: 6 Feb 2019 1:51

Tgt Ion: 164 Resp: 868988
Ion Ratio Lower Upper
164 100
166 126.1 100.9 151.3
129 104.9 83.9 125.9
131 95.2 76.2 114.2





#53

Toluene

Concen: 8.568 ppbv

RT: 9.95 min Scan# 2182

Delta R.T. 0.00 min

Lab File: VL033169.D

Acq: 6 Feb 2019 1:51

Instrument :

MSVOA_L

ClientSampleId :

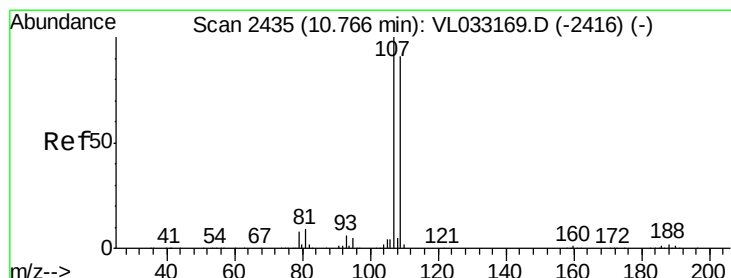
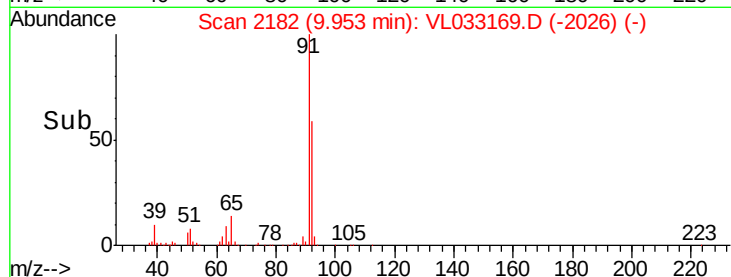
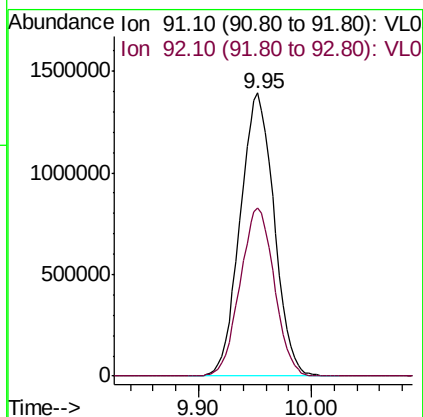
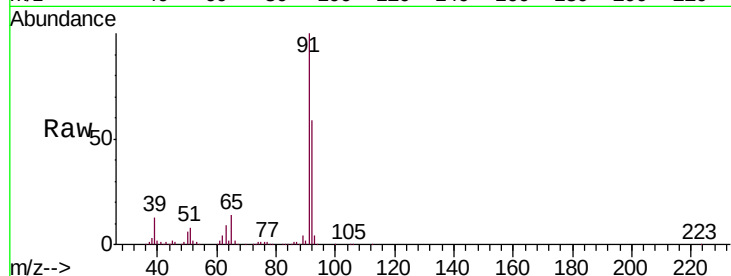
VSTDICCC010

Tgt Ion: 91 Resp: 2908084

Ion Ratio Lower Upper

91 100

92 60.0 48.0 72.0



#54

1,2-Dibromoethane

Concen: 8.604 ppbv

RT: 10.77 min Scan# 2435

Delta R.T. 0.00 min

Lab File: VL033169.D

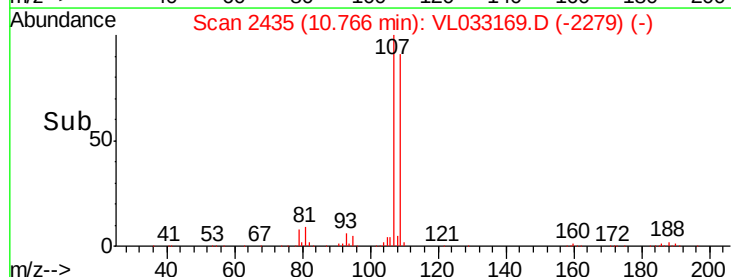
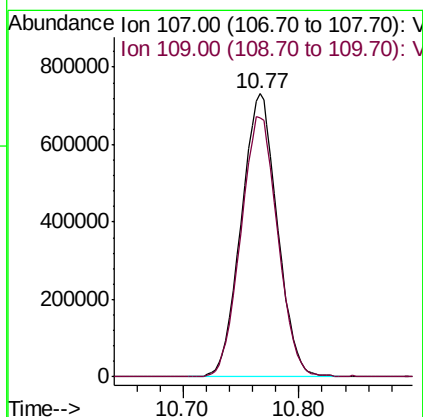
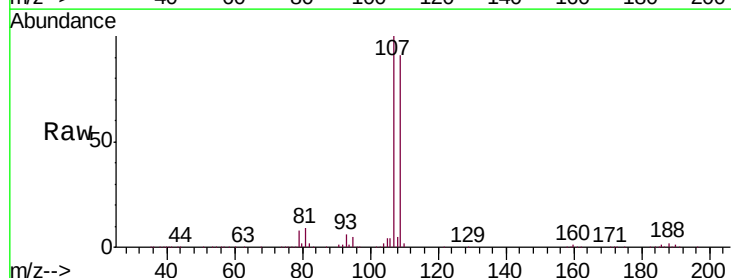
Acq: 6 Feb 2019 1:51

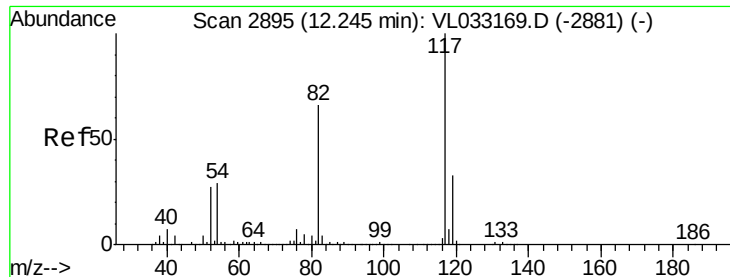
Tgt Ion: 107 Resp: 1584867

Ion Ratio Lower Upper

107 100

109 91.5 73.2 109.8

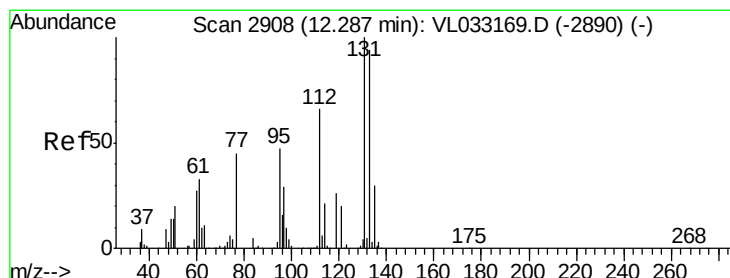
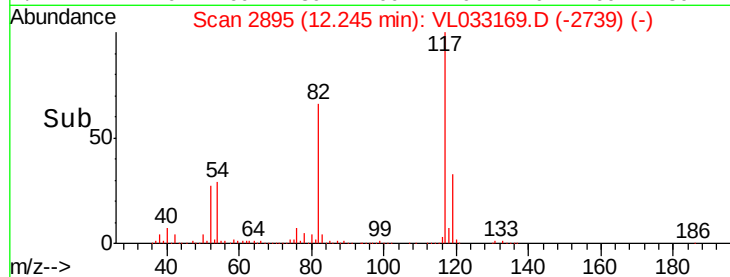
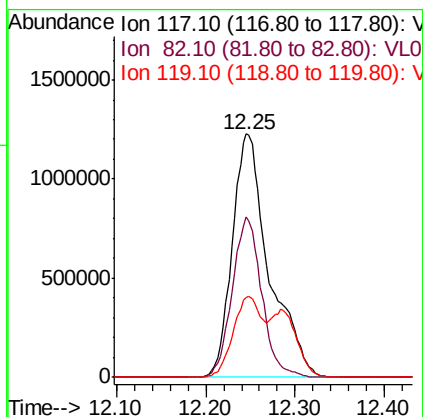
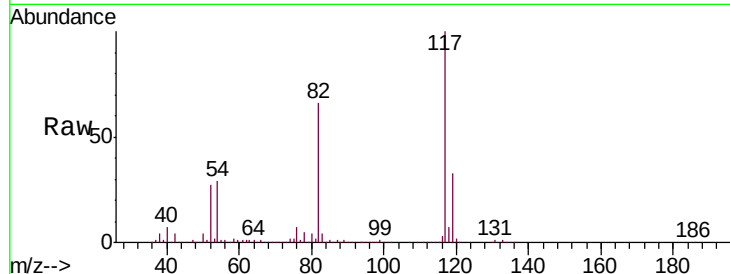




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2895
Delta R.T. 0.00 min
Lab File: VL033169.D
Acq: 6 Feb 2019 1:51

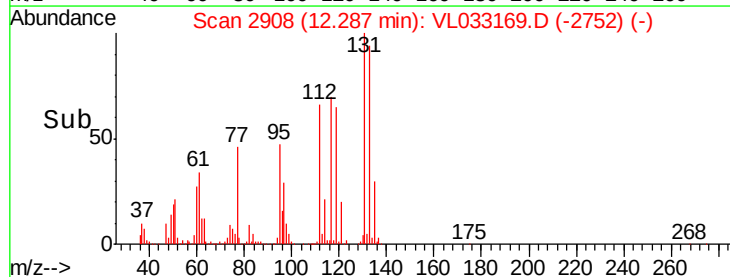
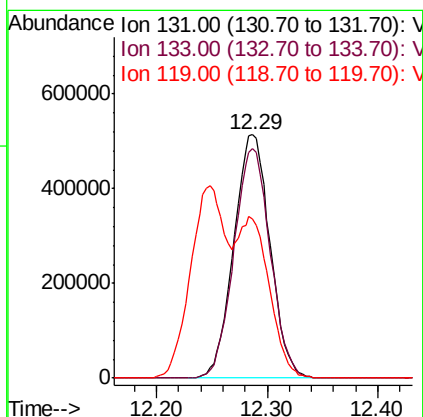
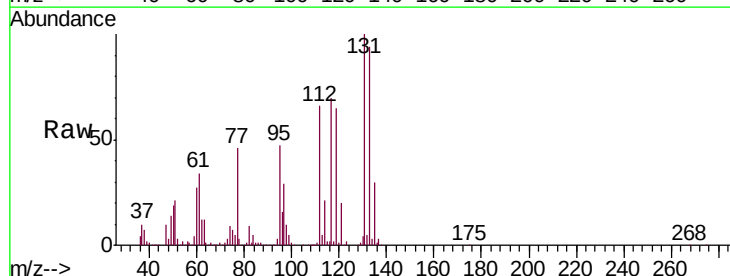
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

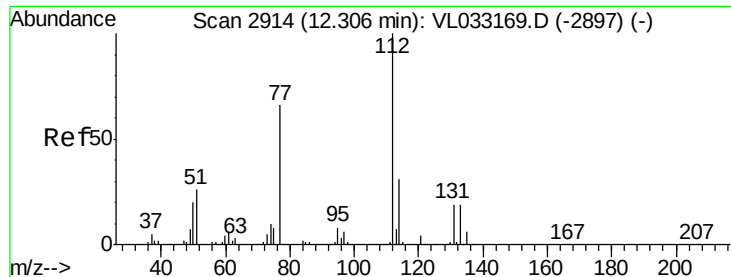
Tgt Ion:117 Resp: 3509415
Ion Ratio Lower Upper
117 100
82 53.0 53.8 80.8#
119 46.1 46.9 70.3#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.143 ppbv
RT: 12.29 min Scan# 2908
Delta R.T. 0.00 min
Lab File: VL033169.D
Acq: 6 Feb 2019 1:51

Tgt Ion:131 Resp: 1167690
Ion Ratio Lower Upper
131 100
133 94.7 75.8 113.6
119 60.1 48.1 72.1

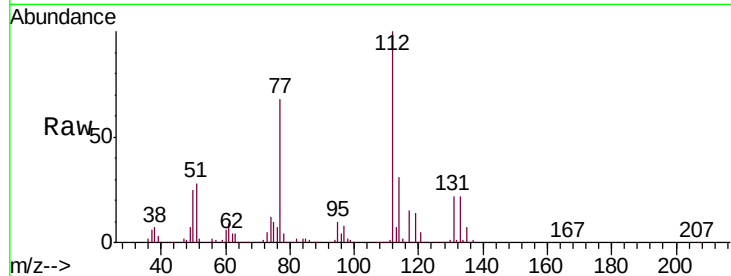




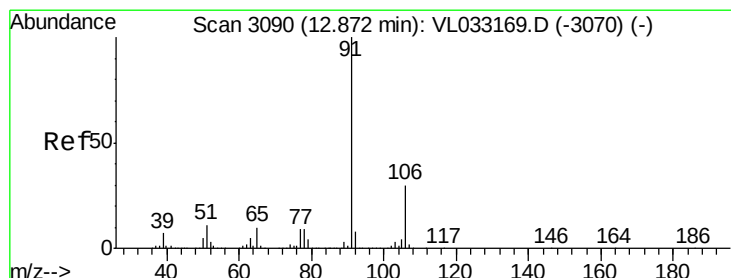
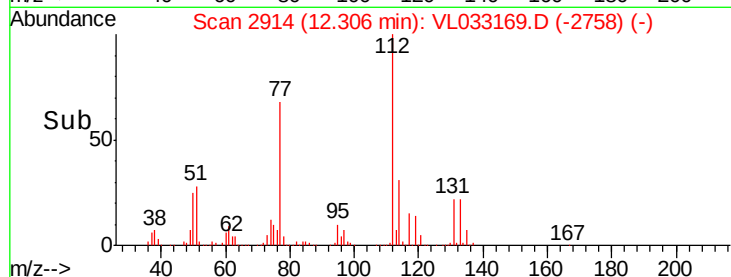
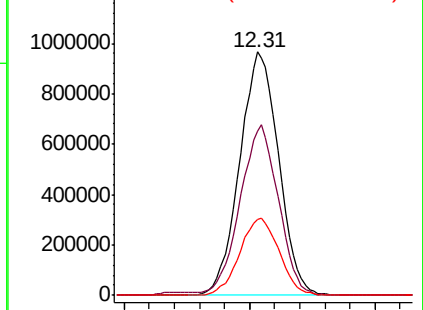
#57
Chlorobenzene
Concen: 6.714 ppbv
RT: 12.31 min Scan# 2914
Delta R.T. 0.00 min
Lab File: VL033169.D
Acq: 6 Feb 2019 1:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 112 Resp: 2086031
Ion Ratio Lower Upper
112 100
77 67.5 54.0 81.0
114 31.0 27.9 34.1

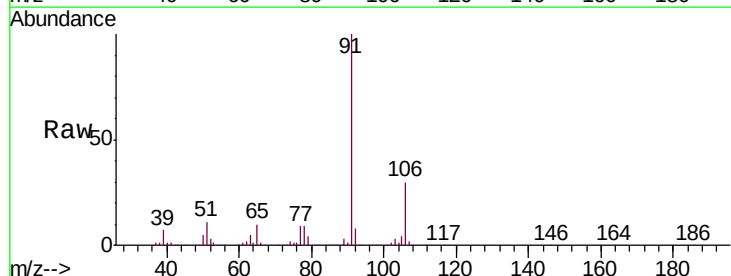


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

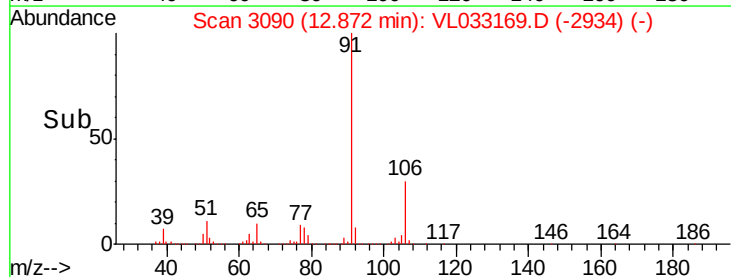
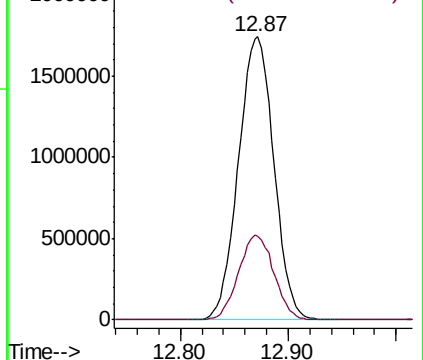


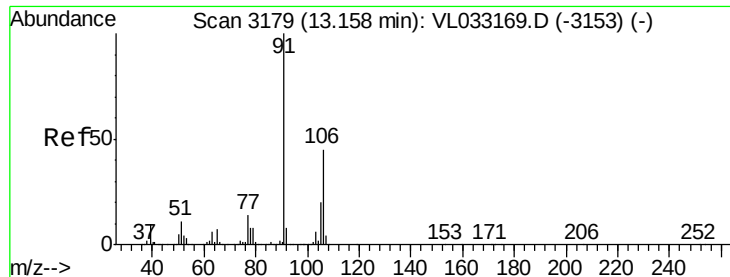
#58
Ethyl Benzene
Concen: 6.898 ppbv
RT: 12.87 min Scan# 3090
Delta R.T. 0.00 min
Lab File: VL033169.D
Acq: 6 Feb 2019 1:51

Tgt Ion: 91 Resp: 3973995
Ion Ratio Lower Upper
91 100
106 29.8 23.8 35.8



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V

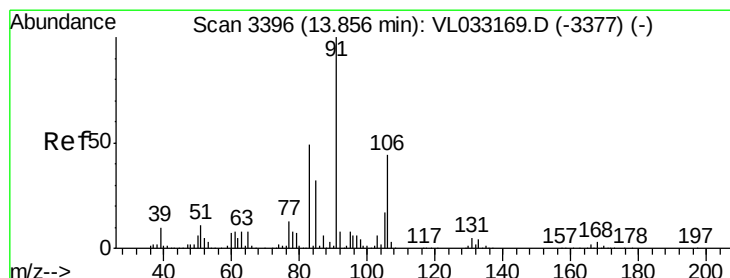
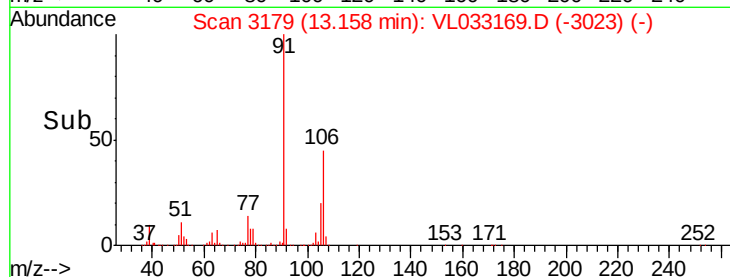
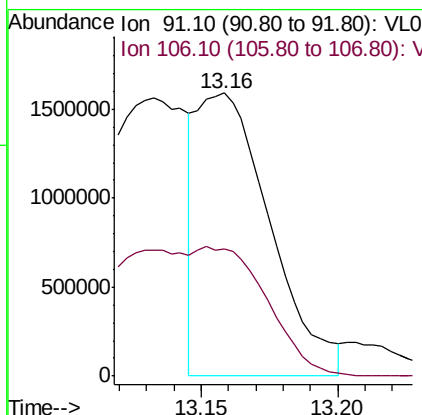
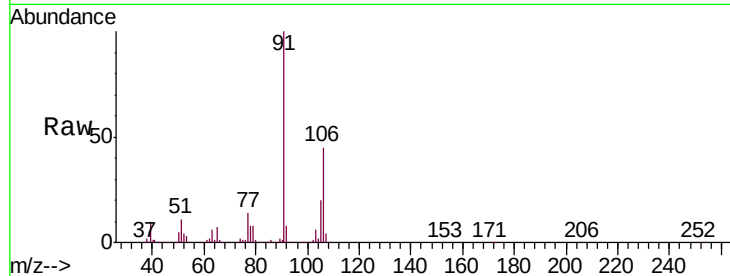




#59
m/p-Xylene
Concen: 6.147 ppbv
RT: 13.16 min Scan# 3179
Delta R.T. 0.00 min
Lab File: VL033169.D
Acq: 6 Feb 2019 1:51

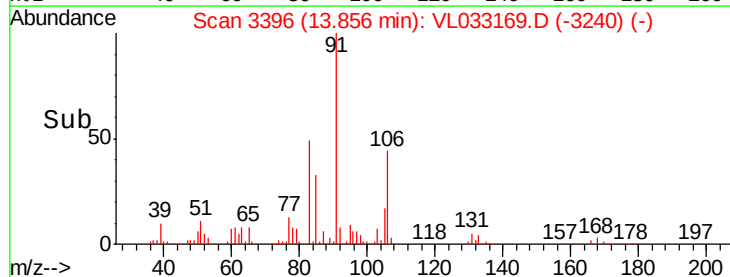
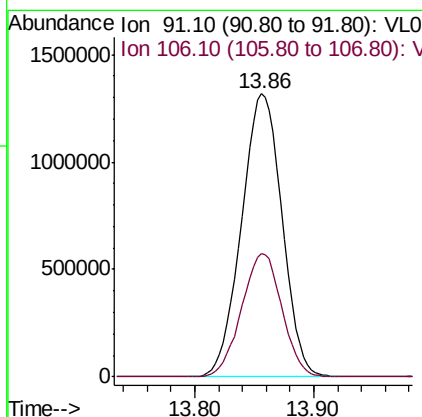
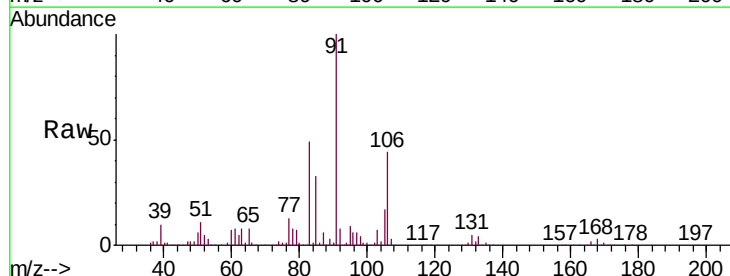
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

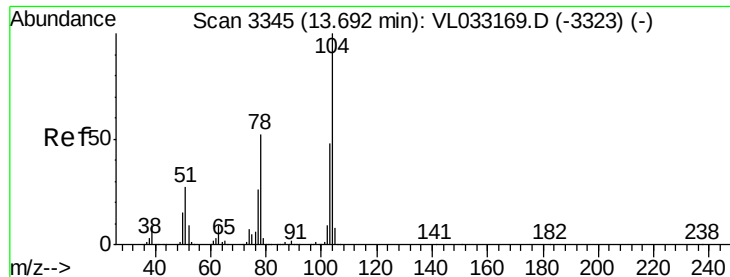
Tgt Ion: 91 Resp: 2945988
Ion Ratio Lower Upper
91 100
106 99.3 36.6 55.0#



#60
o-Xylene
Concen: 6.637 ppbv
RT: 13.86 min Scan# 3396
Delta R.T. 0.00 min
Lab File: VL033169.D
Acq: 6 Feb 2019 1:51

Tgt Ion: 91 Resp: 3101743
Ion Ratio Lower Upper
91 100
106 43.5 21.8 65.3





#61

Styrene

Concen: 7.036 ppbv

RT: 13.69 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VL033169.D

Acq: 6 Feb 2019 1:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

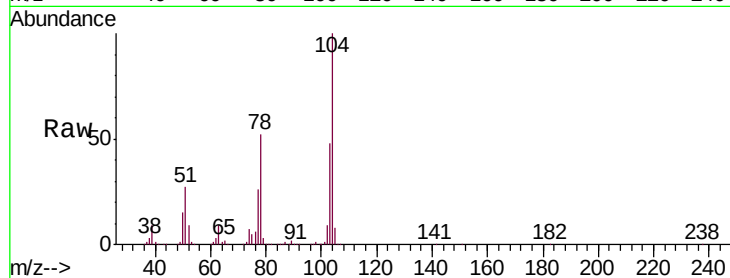
Tgt Ion:104 Resp: 2482060

Ion Ratio Lower Upper

104 100

78 52.4 41.9 62.9

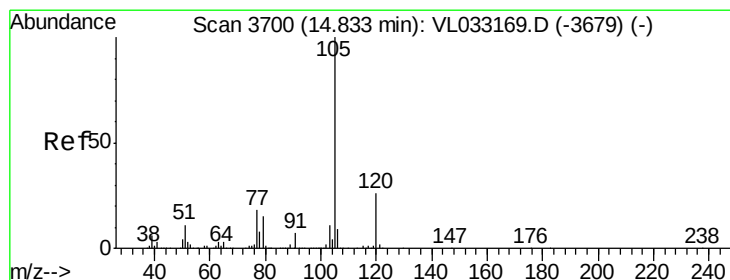
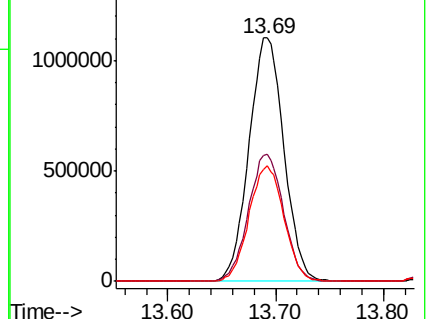
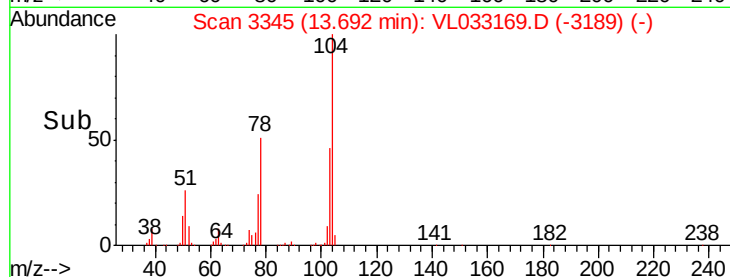
103 47.4 37.9 56.9



Abundance Ion 104.10 (103.80 to 104.80): V

1500000 Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 6.781 ppbv

RT: 14.83 min Scan# 3700

Delta R.T. 0.00 min

Lab File: VL033169.D

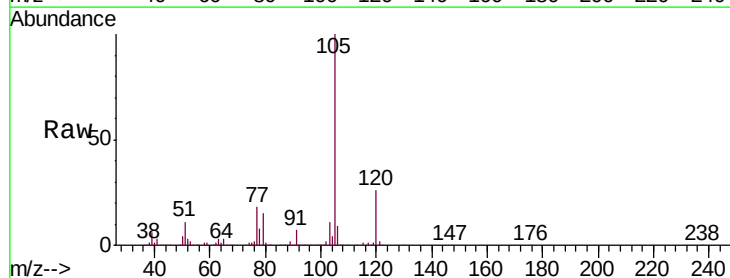
Acq: 6 Feb 2019 1:51

Tgt Ion:105 Resp: 4471171

Ion Ratio Lower Upper

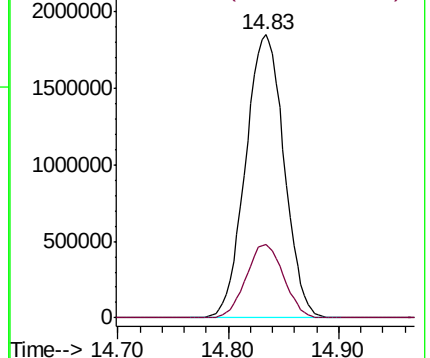
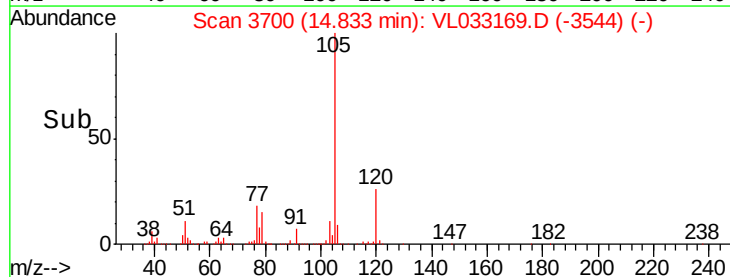
105 100

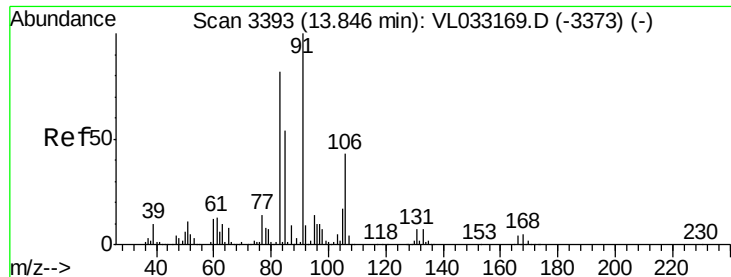
120 25.4 20.3 30.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

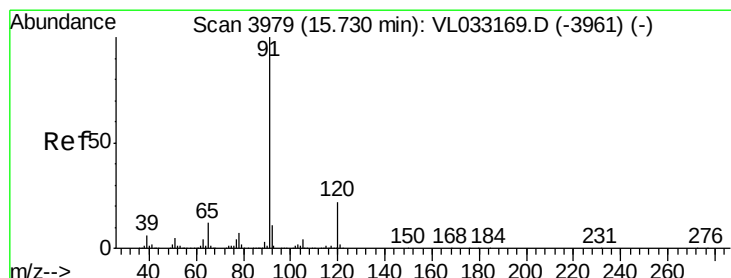
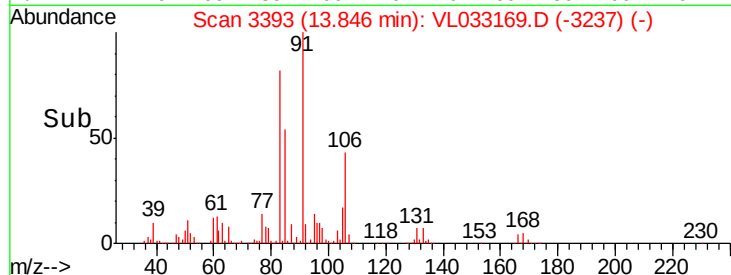
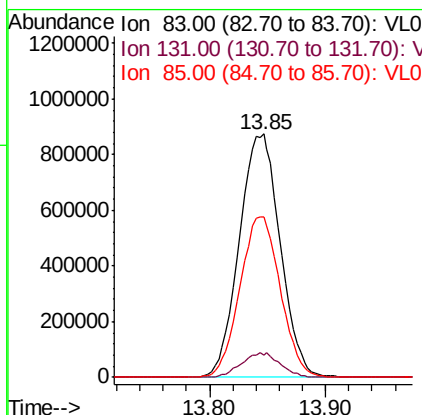
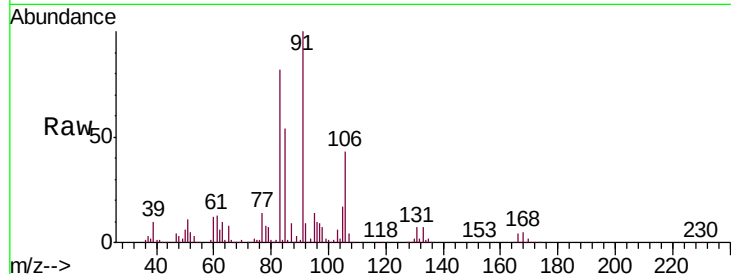




#63
 1,1,2,2-Tetrachloroethane
 Concen: 5.859 ppbv
 RT: 13.85 min Scan# 3393
 Delta R.T. 0.00 min
 Lab File: VL033169.D
 Acq: 6 Feb 2019 1:51

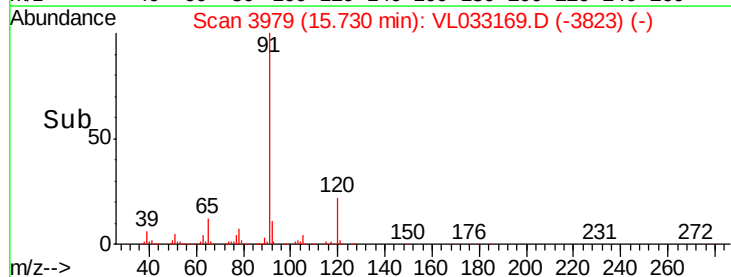
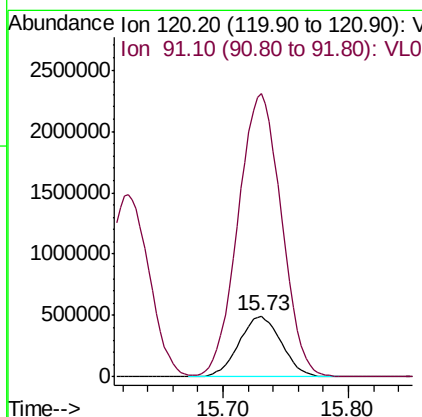
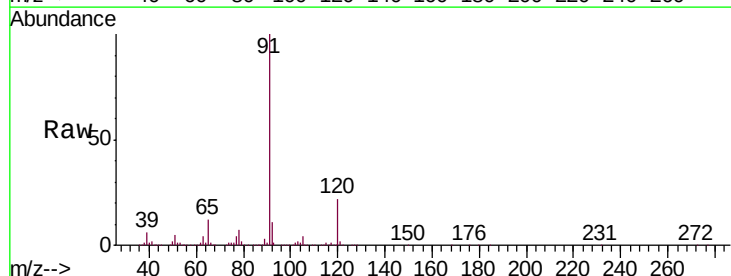
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

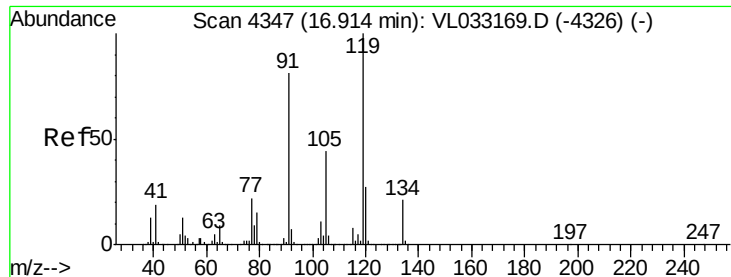
Tgt Ion: 83 Resp: 2140049
 Ion Ratio Lower Upper
 83 100
 131 9.5 4.8 14.3
 85 65.5 32.8 98.3



#64
 n-propylbenzene
 Concen: 6.894 ppbv
 RT: 15.73 min Scan# 3979
 Delta R.T. 0.00 min
 Lab File: VL033169.D
 Acq: 6 Feb 2019 1:51

Tgt Ion: 120 Resp: 1155655
 Ion Ratio Lower Upper
 120 100
 91 479.9 383.9 575.9

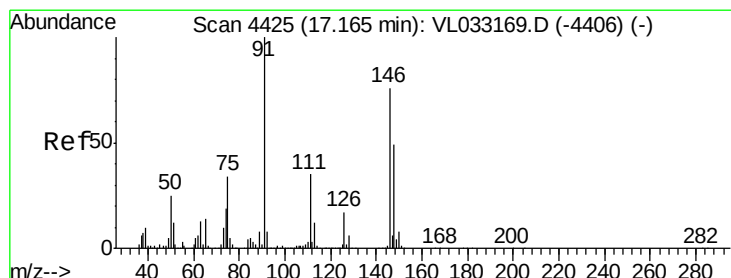
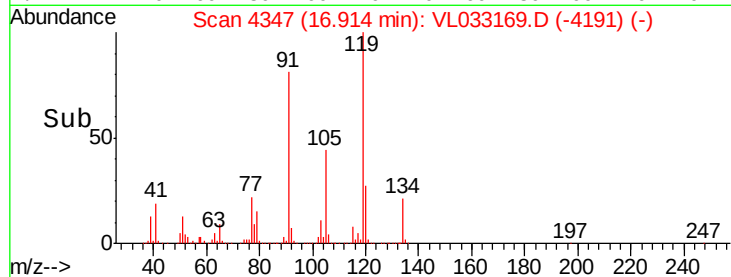
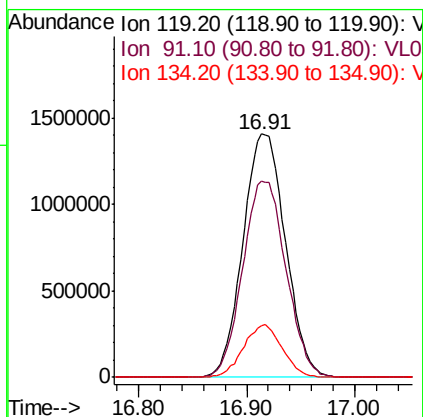
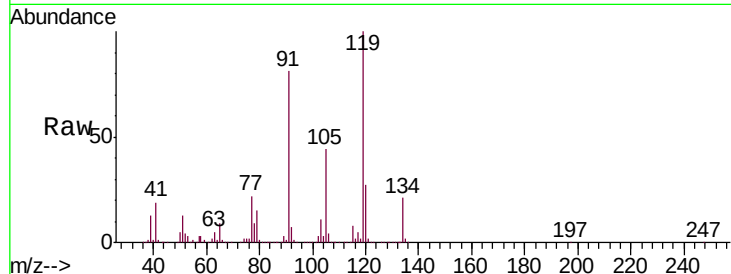




#65
 tert-Butylbenzene
 Concen: 6.728 ppbv
 RT: 16.91 min Scan# 4347
 Delta R.T. 0.00 min
 Lab File: VL033169.D
 Acq: 6 Feb 2019 1:51

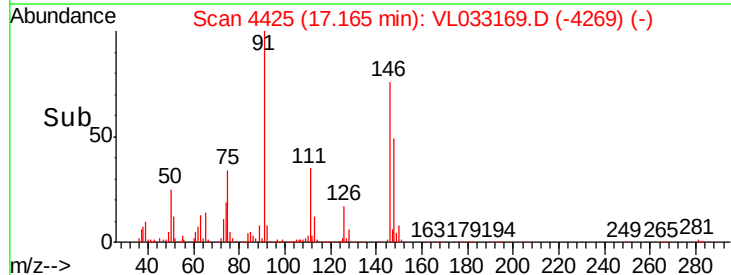
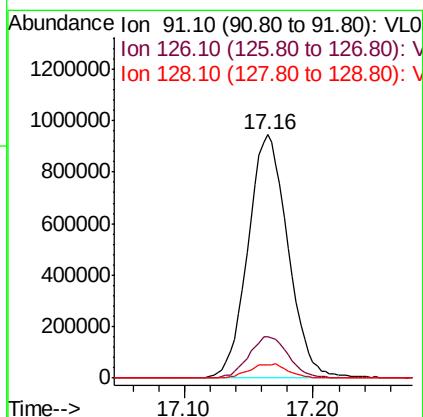
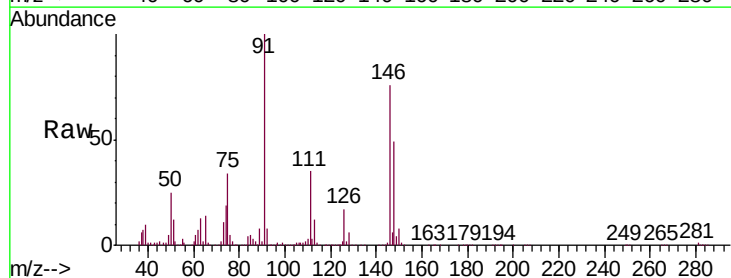
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

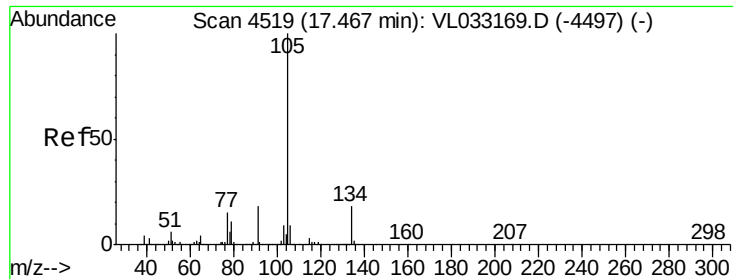
Tgt Ion: 119 Resp: 3862515
 Ion Ratio Lower Upper
 119 100
 91 82.0 65.6 98.4
 134 19.8 15.8 23.8



#66
 Benzyl Chloride
 Concen: 9.894 ppbv
 RT: 17.16 min Scan# 4425
 Delta R.T. 0.00 min
 Lab File: VL033169.D
 Acq: 6 Feb 2019 1:51

Tgt Ion: 91 Resp: 2030207
 Ion Ratio Lower Upper
 91 100
 126 17.2 13.8 20.6
 128 5.6 4.5 6.7





#67

sec-Butylbenzene

Concen: 6.707 ppbv

RT: 17.47 min Scan# 4519

Delta R.T. 0.00 min

Lab File: VL033169.D

Acq: 6 Feb 2019 1:51

Instrument :

MSVOA_L

ClientSampleId :

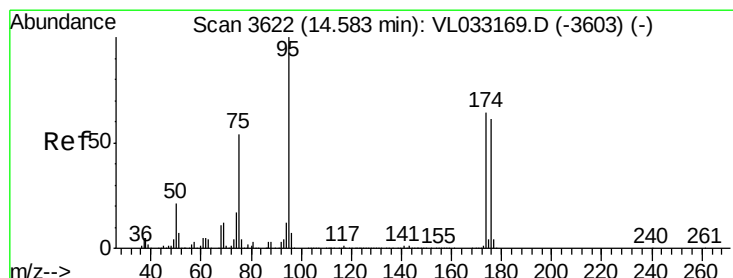
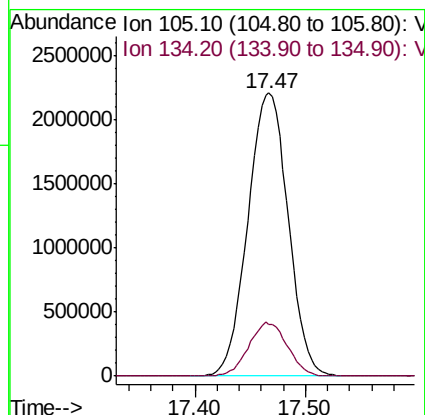
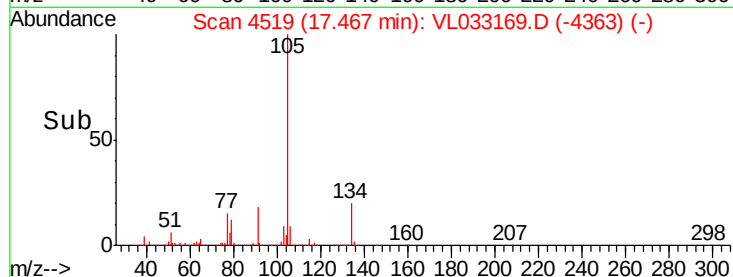
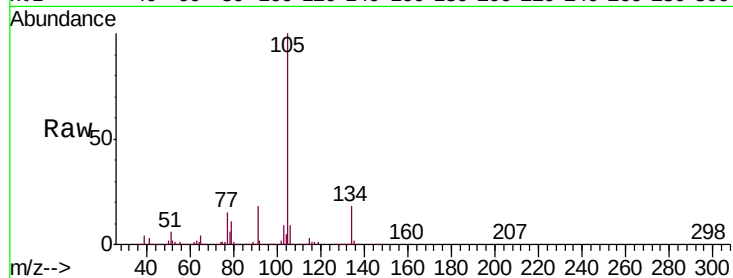
VSTDICCC010

Tgt Ion: 105 Resp: 5590525

Ion Ratio Lower Upper

105 100

134 18.3 14.6 22.0



#68

1-Bromo-4-Fluorobenzene

Concen: 8.089 ppbv

RT: 14.58 min Scan# 3622

Delta R.T. 0.00 min

Lab File: VL033169.D

Acq: 6 Feb 2019 1:51

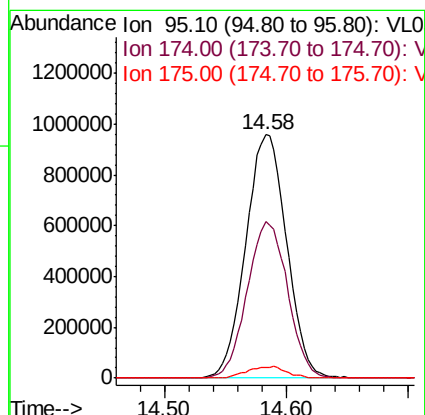
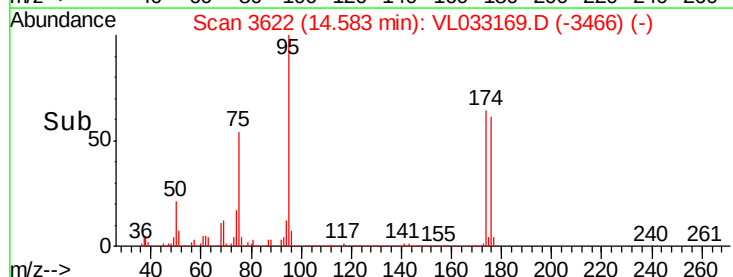
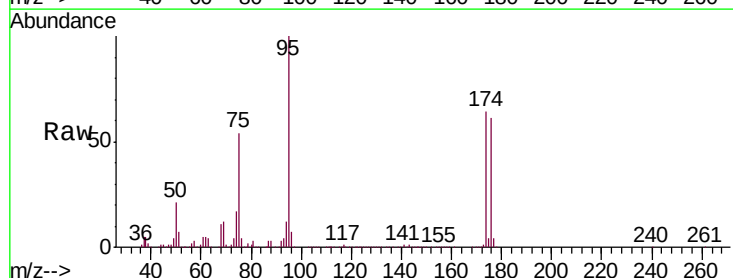
Tgt Ion: 95 Resp: 2212651

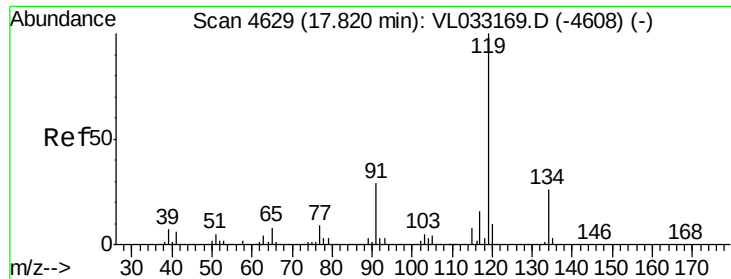
Ion Ratio Lower Upper

95 100

174 63.9 51.1 76.7

175 4.7 3.8 5.6

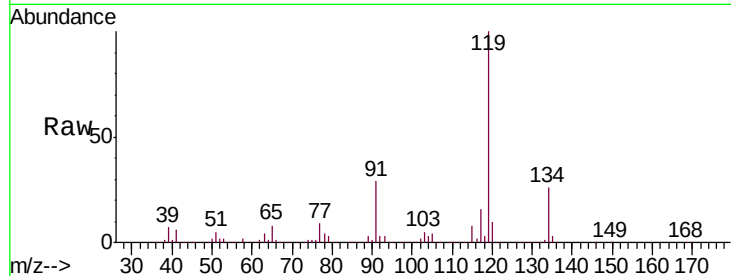




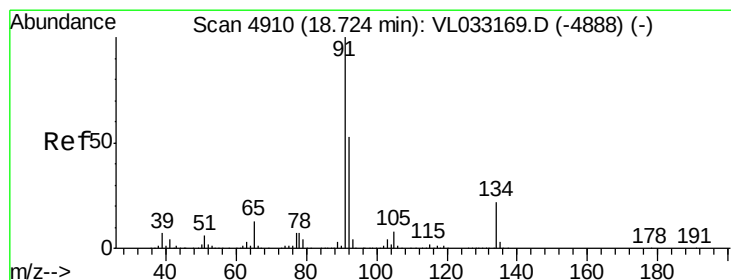
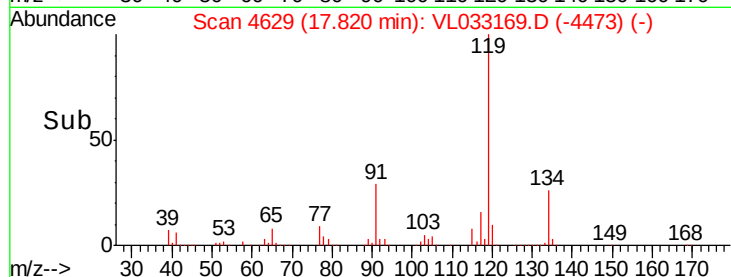
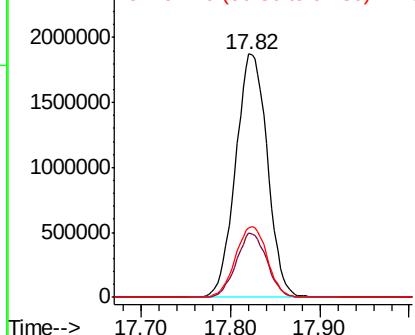
#69
 p-Isopropyltoluene
 Concen: 6.653 ppbv
 RT: 17.82 min Scan# 4629
 Delta R.T. 0.00 min
 Lab File: VL033169.D
 Acq: 6 Feb 2019 1:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 119 Resp: 4618017
 Ion Ratio Lower Upper
 119 100
 134 25.5 20.4 30.6
 91 29.2 23.4 35.0

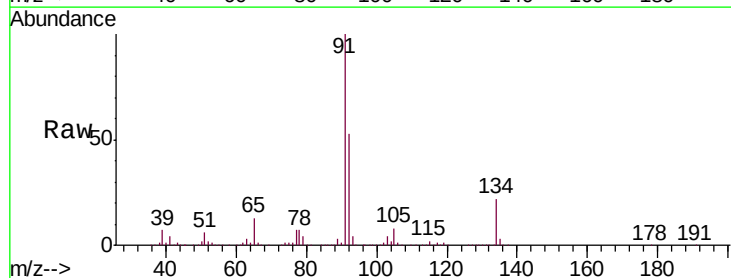


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

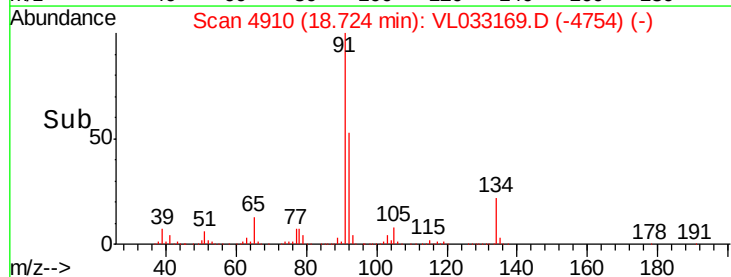
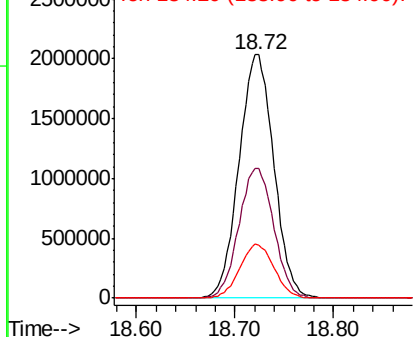


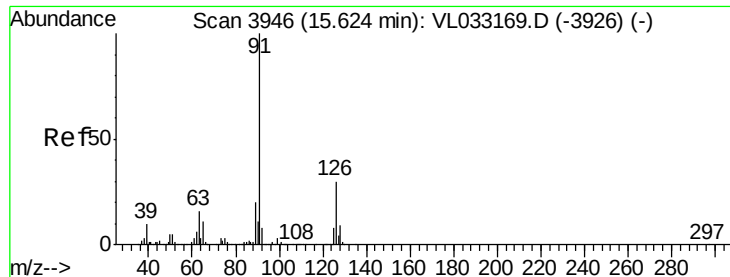
#70
 n-Butylbenzene
 Concen: 6.615 ppbv
 RT: 18.72 min Scan# 4910
 Delta R.T. 0.00 min
 Lab File: VL033169.D
 Acq: 6 Feb 2019 1:51

Tgt Ion: 91 Resp: 4953683
 Ion Ratio Lower Upper
 91 100
 92 53.7 43.0 64.4
 134 21.9 17.5 26.3



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





#71

2-Chlorotoluene

Concen: 6.788 ppbv

RT: 15.62 min Scan# 3946

Delta R.T. 0.00 min

Lab File: VL033169.D

Acq: 6 Feb 2019 1:51

Instrument :

MSVOA_L

ClientSampleId :

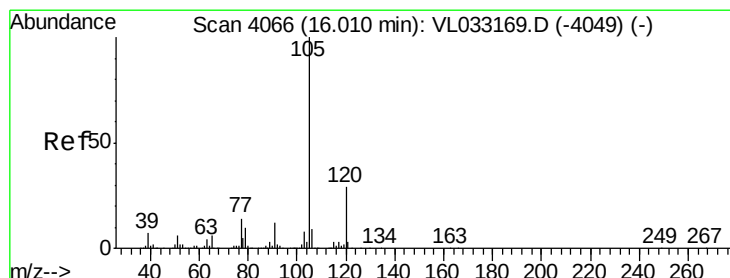
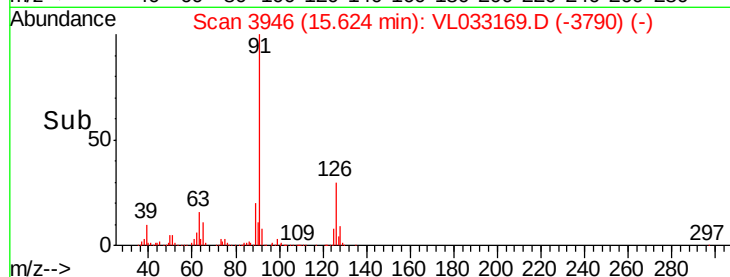
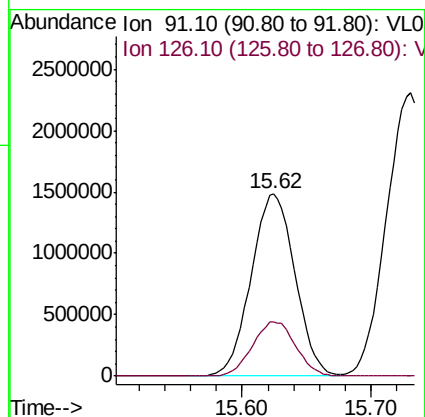
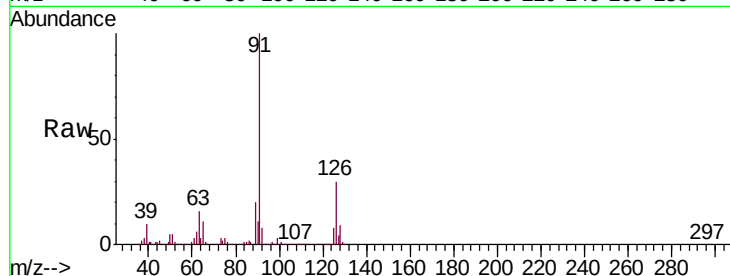
VSTDICCC010

Tgt Ion: 91 Resp: 3516660

Ion Ratio Lower Upper

91 100

126 29.6 11.8 47.4



#72

4-Ethyltoluene

Concen: 6.939 ppbv

RT: 16.01 min Scan# 4066

Delta R.T. 0.00 min

Lab File: VL033169.D

Acq: 6 Feb 2019 1:51

Tgt Ion: 105 Resp: 3739951

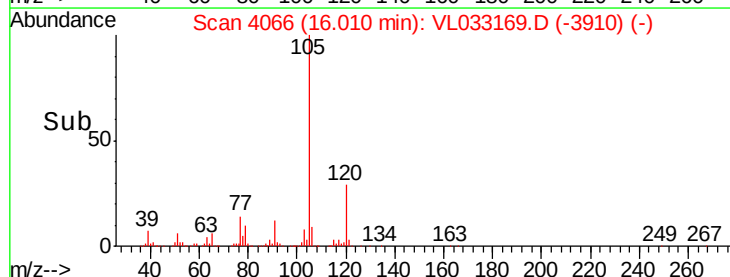
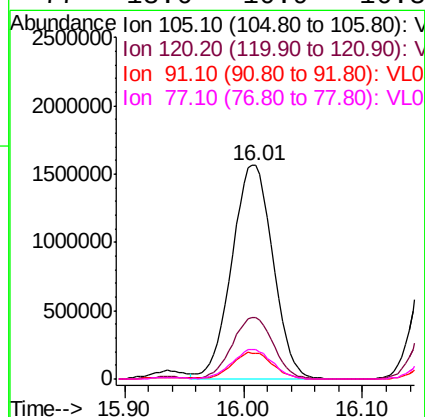
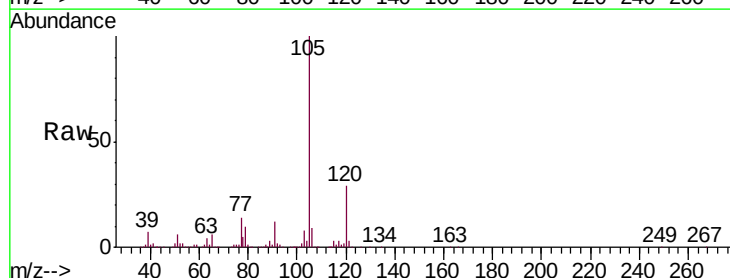
Ion Ratio Lower Upper

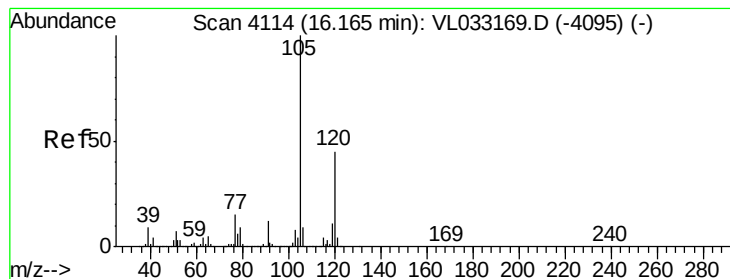
105 100

120 28.9 23.1 34.7

91 12.2 9.8 14.6

77 13.6 10.9 16.3





#73

1,3,5-Trimethylbenzene

Concen: 6.918 ppbv

RT: 16.16 min Scan# 4114

Delta R.T. 0.00 min

Lab File: VL033169.D

Acq: 6 Feb 2019 1:51

Instrument :

MSVOA_L

ClientSampleId :

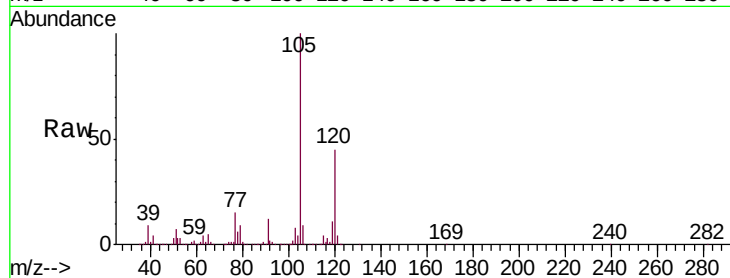
VSTDICCC010

Tgt Ion:105 Resp: 3566152

Ion Ratio Lower Upper

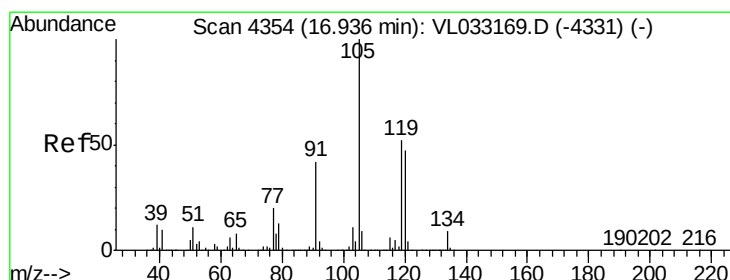
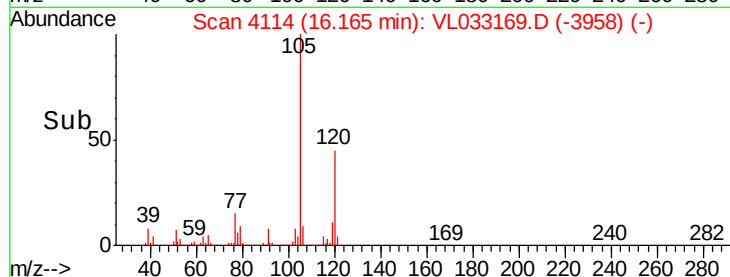
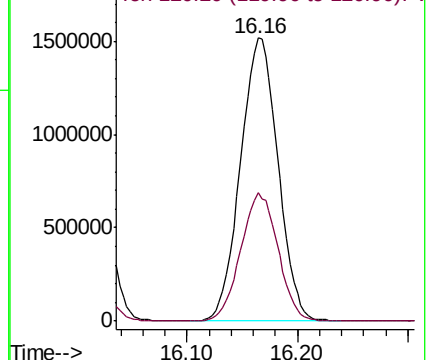
105 100

120 45.3 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: 6.648 ppbv

RT: 16.94 min Scan# 4354

Delta R.T. 0.00 min

Lab File: VL033169.D

Acq: 6 Feb 2019 1:51

Tgt Ion:105 Resp: 3554538

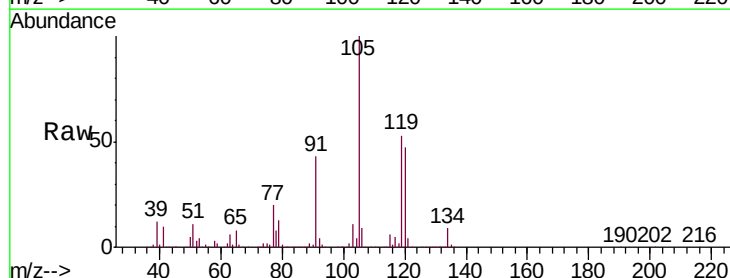
Ion Ratio Lower Upper

105 100

120 47.4 37.9 56.9

91 42.5 34.0 51.0

77 19.6 15.7 23.5

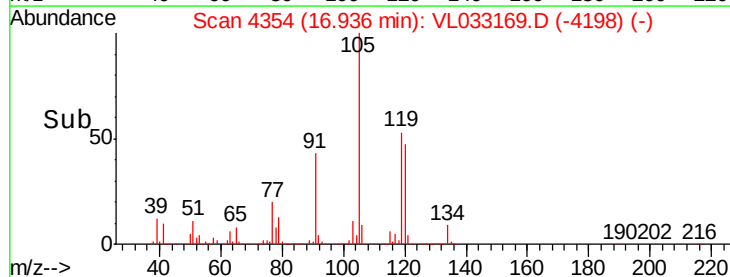
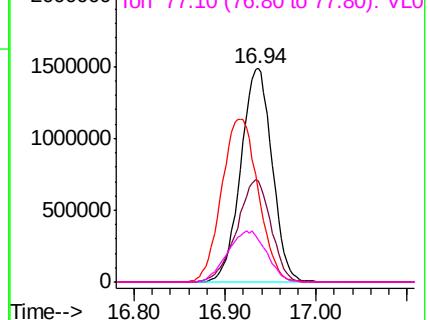


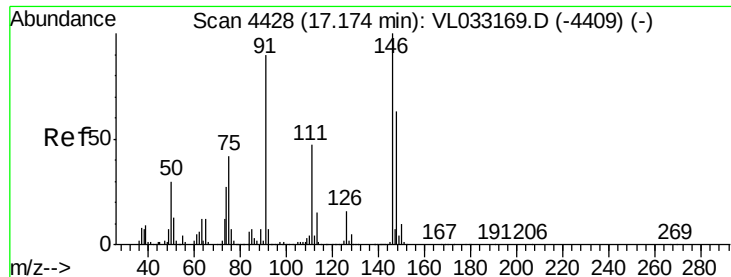
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VLO

Ion 77.10 (76.80 to 77.80): VLO

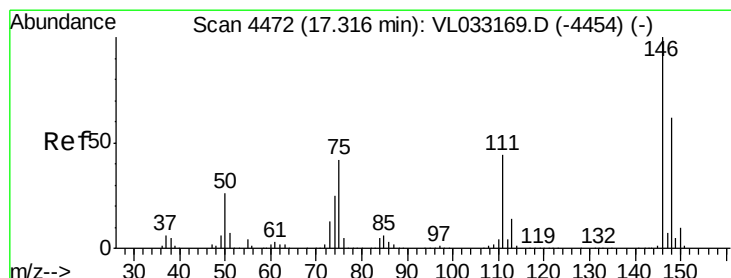
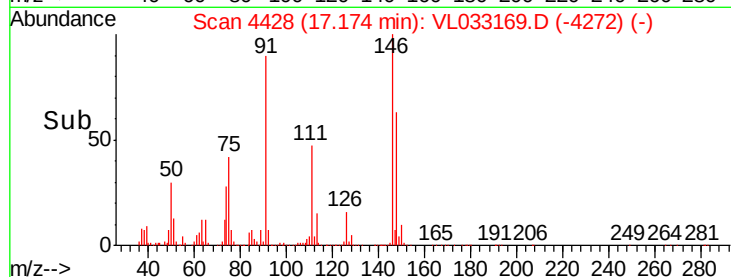
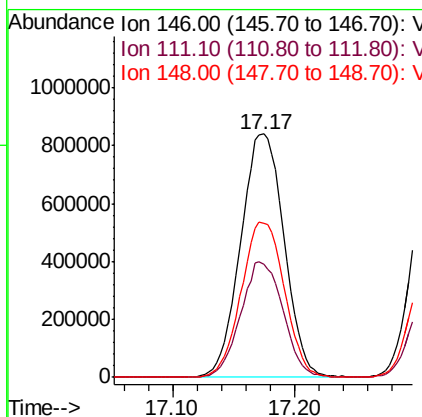
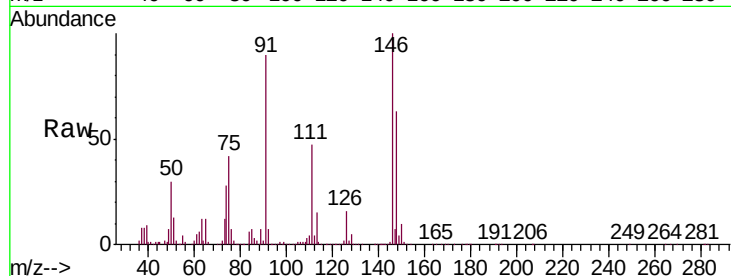




#75
 1,3-Dichlorobenzene
 Concen: 6.713 ppbv
 RT: 17.17 min Scan# 4428
 Delta R.T. 0.00 min
 Lab File: VL033169.D
 Acq: 6 Feb 2019 1:51

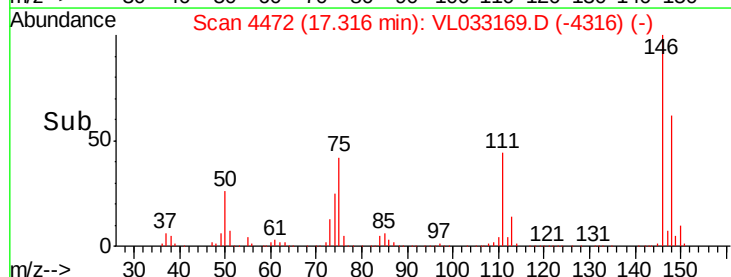
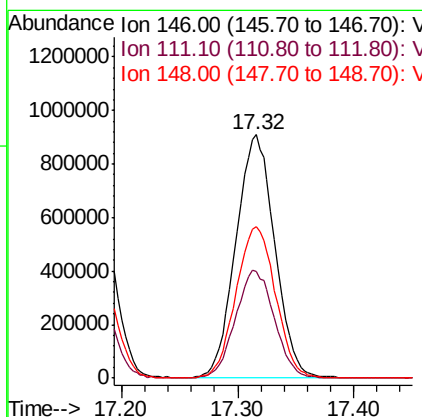
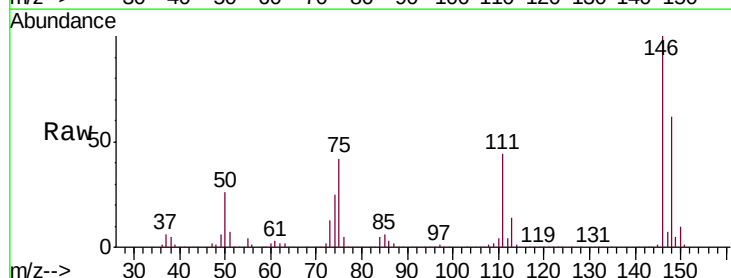
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

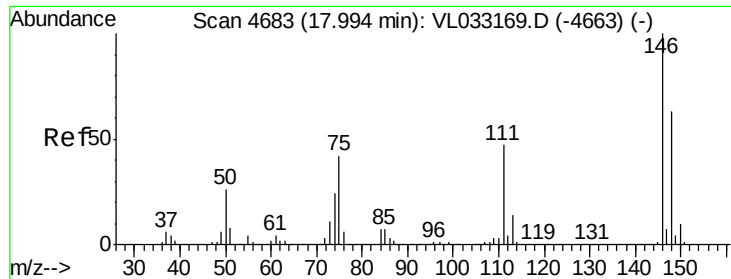
Tgt Ion:146 Resp: 2070029
 Ion Ratio Lower Upper
 146 100
 111 46.4 23.2 69.6
 148 63.6 31.8 95.4



#76
 1,4-Dichlorobenzene
 Concen: 6.894 ppbv
 RT: 17.32 min Scan# 4472
 Delta R.T. 0.00 min
 Lab File: VL033169.D
 Acq: 6 Feb 2019 1:51

Tgt Ion:146 Resp: 2106331
 Ion Ratio Lower Upper
 146 100
 111 44.6 22.3 66.9
 148 64.0 32.0 96.0

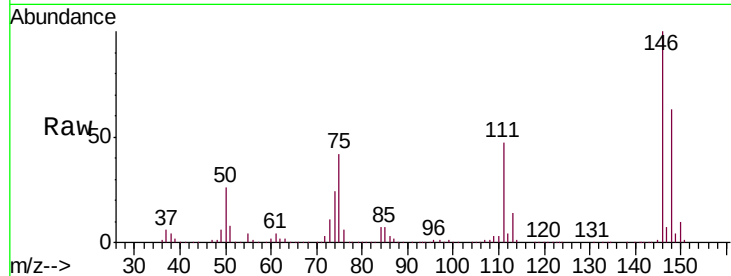




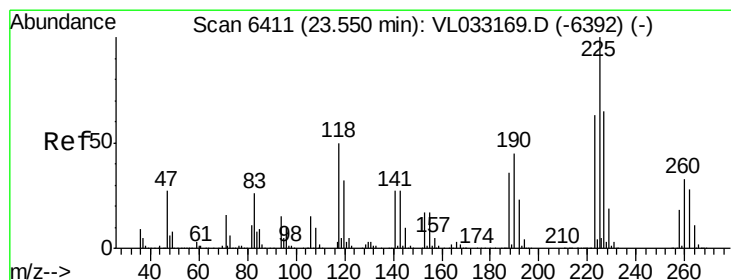
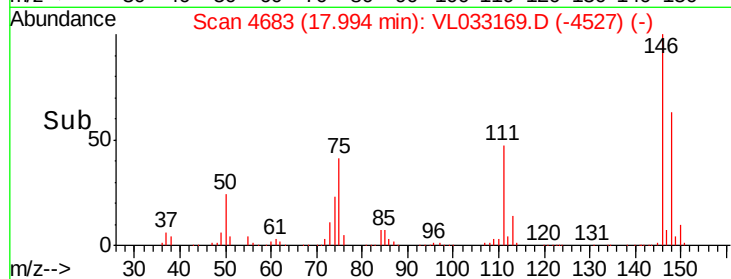
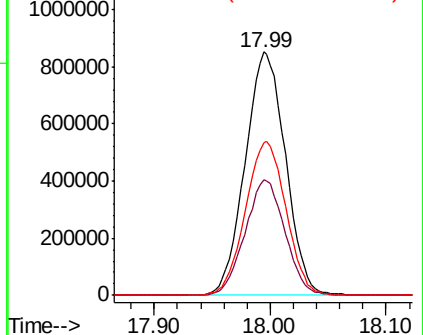
#77
 1,2-Dichlorobenzene
 Concen: 6.761 ppbv
 RT: 17.99 min Scan# 4683
 Delta R.T. 0.00 min
 Lab File: VL033169.D
 Acq: 6 Feb 2019 1:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion:146 Resp: 2060231
 Ion Ratio Lower Upper
 146 100
 111 47.1 23.5 70.6
 148 63.8 31.9 95.7

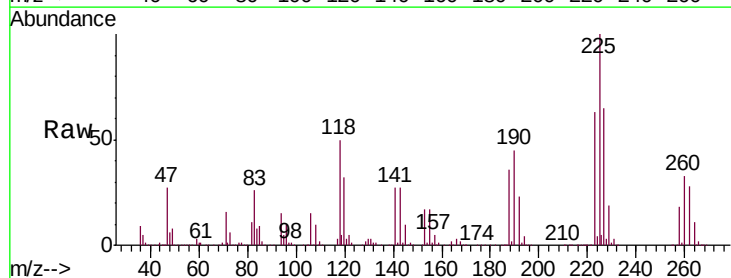


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

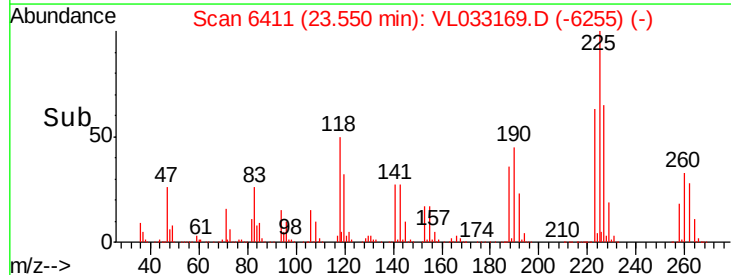
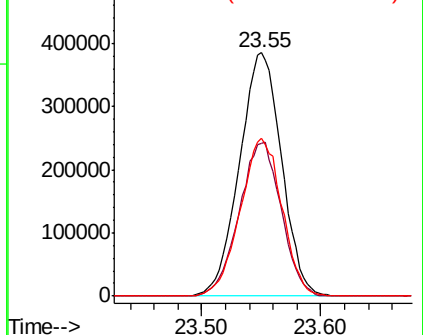


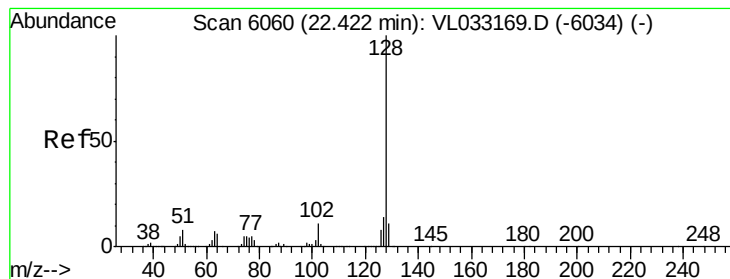
#78
 Hexachloro-1,3-Butadiene
 Concen: 6.226 ppbv
 RT: 23.55 min Scan# 6411
 Delta R.T. 0.00 min
 Lab File: VL033169.D
 Acq: 6 Feb 2019 1:51

Tgt Ion:225 Resp: 943275
 Ion Ratio Lower Upper
 225 100
 223 63.2 50.6 75.8
 227 64.3 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: 6.772 ppbv

RT: 22.42 min Scan# 6060

Delta R.T. 0.00 min

Lab File: VL033169.D

Acq: 6 Feb 2019 1:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

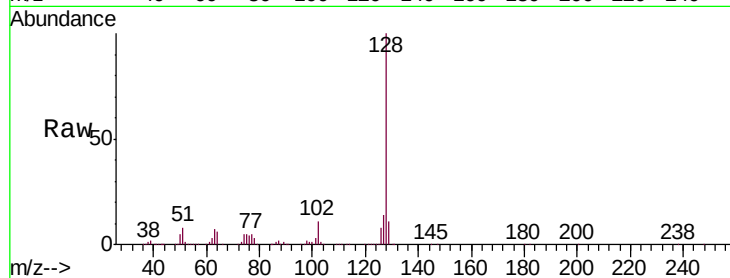
Tgt Ion:128 Resp: 3890858

Ion Ratio Lower Upper

128 100

127 13.7 11.0 16.4

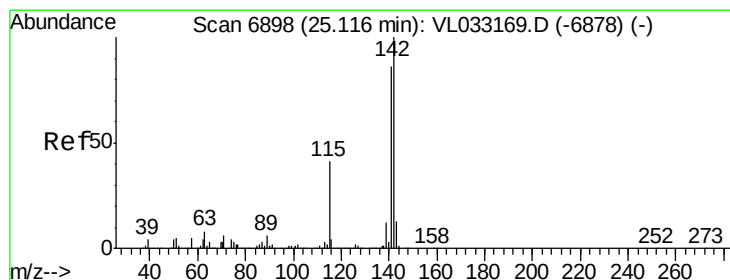
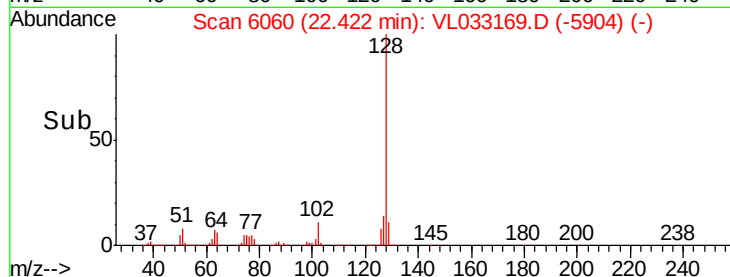
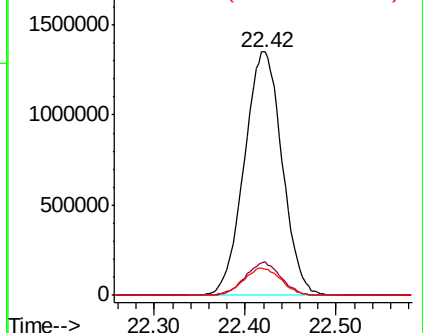
129 10.7 8.6 12.8



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: 6.221 ppbv

RT: 25.12 min Scan# 6898

Delta R.T. 0.00 min

Lab File: VL033169.D

Acq: 6 Feb 2019 1:51

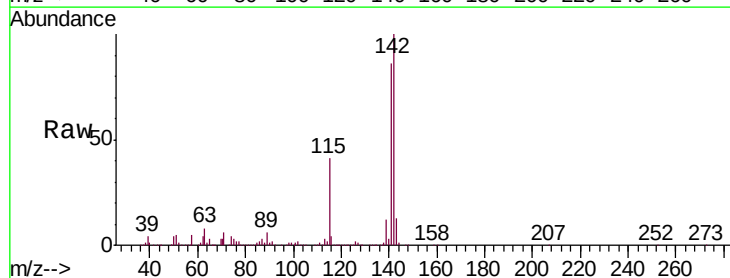
Tgt Ion:142 Resp: 1807999

Ion Ratio Lower Upper

142 100

141 84.6 67.7 101.5

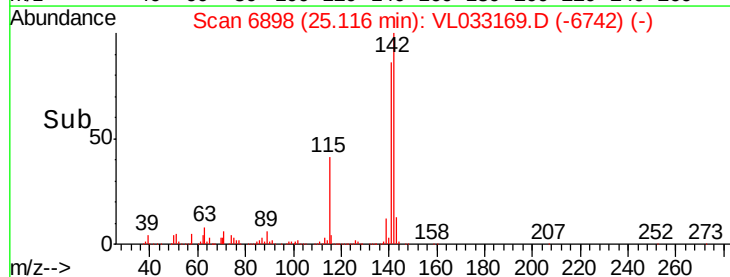
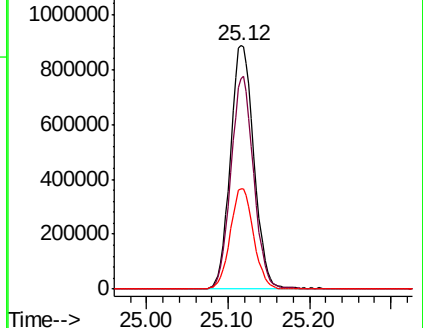
115 40.9 32.7 49.1

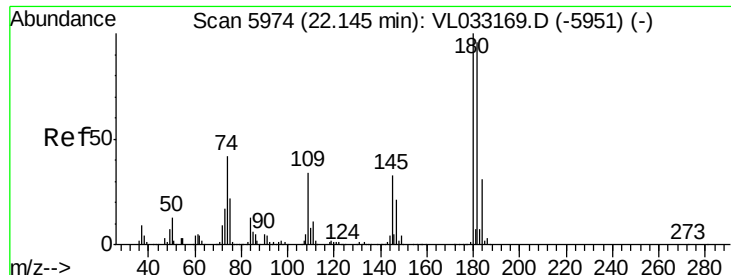


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 6.622 ppbv
 RT: 22.15 min Scan# 5974
 Delta R.T. 0.00 min
 Lab File: VL033169.D
 Acq: 6 Feb 2019 1:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion:180 Resp: 1932641
 Ion Ratio Lower Upper
 180 100
 182 94.8 75.8 113.8
 184 30.4 24.3 36.5

