

Data File : VL033112.D
Acq On : 17 Jan 2019 4:29
Operator : SY/AP
Sample : IDOC
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Quant Time: Jan 17 06:31:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL010419AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jan 04 16:09:05 2019
QLast Update : Fri Jan 04 16:09:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1102977	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2817839	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2767887	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1987756	9.37	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.70%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.08	85	2289122	11.152	ppbv	100
3) Chlorodifluoromethane	3.01	51	1273977	10.204	ppbv	99
4) Chloromethane	3.17	50	722456	10.103	ppbv	97
5) Vinyl Chloride	3.29	62	735575	10.185	ppbv	99
6) Bromomethane	3.51	94	479840	9.780	ppbv	97
7) Chloroethane	3.60	64	278481	9.860	ppbv	99
8) Dichlorotetrafluoroethane	3.22	85	1808369	10.228	ppbv	100
9) Propene	3.04	41	545340	11.692	ppbv	99
10) Heptane	8.25	43	1380751	10.397	ppbv	100
11) Trichlorofluoromethane	4.00	101	1914298	8.440	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1321633	9.215	ppbv	100
13) Ethanol	3.65	45	112237	6.034	ppbv	98
14) Bromoethene	3.79	108	614712	9.704	ppbv	97
15) Acetone	3.90	43	1422286	9.316	ppbv	98
16) 1,3-Butadiene	3.36	39	637503	11.073	ppbv	95
17) tert-Butyl alcohol	4.36	59	310809	9.611	ppbv	100
18) 1,1-Dichloroethene	4.35	96	614372	9.300	ppbv	99
19) Isopropyl Alcohol	4.02	45	752077	7.156	ppbv	100
20) Methylene Chloride	4.41	84	525408	8.255	ppbv	99
21) Allyl Chloride	4.48	41	970463	10.258	ppbv	100
22) trans-1,2-Dichloroethene	4.96	96	616081	9.408	ppbv	99
23) Vinyl Acetate	5.15	43	2063983	10.627	ppbv	98
24) 1,1-Dichloroethane	5.09	63	1527354	9.262	ppbv	99
25) Ethyl Acetate	5.77	43	2433478	9.430	ppbv	100
26) Hexane	5.78	57	1138919	9.373	ppbv	100
27) Carbon Disulfide	4.62	76	1541120	10.284	ppbv	98
28) Methyl tert-Butyl Ether	5.11	73	1943570	10.247	ppbv	100
29) Chloroform	5.85	83	1861512	8.990	ppbv	100
30) Cyclohexane	7.25	84	993945	10.971	ppbv	98
31) cis-1,2-Dichloroethene	5.64	61	1190677	10.553	ppbv	99
32) 1,1,1-Trichloroethane	6.62	97	1975693	9.401	ppbv	99
34) 2-Butanone	5.33	43	1555949	9.503	ppbv	100
35) Carbon Tetrachloride	7.13	117	2144064	8.858	ppbv	99
36) Benzene	7.00	78	2385104	10.333	ppbv	99
37) 1,2-Dichloroethane	6.41	62	1449068	8.992	ppbv	99
38) Trichloroethene	7.96	130	950950	10.015	ppbv	96
39) 1,2-Dichloropropane	7.73	63	864949	9.975	ppbv	100
40) 1,4-Dioxane	7.95	88	314243	9.547	ppbv	97
41) Tetrahydrofuran	6.15	42	872793	10.474	ppbv	98
42) Bromodichloromethane	7.92	83	2014065	9.097	ppbv	99
43) Methyl Methacrylate	8.14	69	922384	10.650	ppbv	100

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Quant Time: Jan 17 06:31:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL010419AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jan 04 16:09:05 2019
QLast Update : Fri Jan 04 16:09:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	3843648	9.833	ppbv	99
45) t-1,3-Dichloropropene	9.41	75	1222267	11.337	ppbv	99
46) cis-1,3-Dichloropropene	8.83	75	1440788	11.709	ppbv	96
47) 1,1,2-Trichloroethane	9.62	97	944103	9.319	ppbv	99
48) Dibromochloromethane	10.45	129	1728192	9.655	ppbv	100
49) Bromoform	13.20	173	1377543	8.809	ppbv	99
50) 4-Methyl-2-Pentanone	8.87	43	2150845	10.368	ppbv	99
51) 2-Hexanone	10.27	43	1618561	10.783	ppbv #	99
52) Tetrachloroethene	11.37	164	825022	10.112	ppbv	97
53) Toluene	9.95	91	2678170	10.827	ppbv	99
54) 1,2-Dibromoethane	10.76	107	1452184	9.949	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.28	131	1198585	8.381	ppbv	99
57) Chlorobenzene	12.30	112	2011303	8.706	ppbv	99
58) Ethyl Benzene	12.87	91	3520034	10.073	ppbv	100
59) m/p-Xylene	13.12	91	2962654	9.164	ppbv #	100
60) o-Xylene	13.85	91	2830580	8.944	ppbv	99
61) Styrene	13.69	104	2118051	10.488	ppbv	99
62) Isopropylbenzene	14.83	105	3983998	8.845	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.84	83	1862734	7.923	ppbv	100
64) n-propylbenzene	15.72	120	1014819	8.869	ppbv	98
65) tert-Butylbenzene	16.91	119	3498115	8.768	ppbv	99
66) Benzyl Chloride	17.16	91	2012473	8.851	ppbv	100
67) sec-Butylbenzene	17.46	105	4952625	8.675	ppbv	100
69) p-Isopropyltoluene	17.82	119	4180308	9.021	ppbv	100
70) n-Butylbenzene	18.71	91	4298702	9.228	ppbv	99
71) 2-Chlorotoluene	15.62	91	2931504	9.178	ppbv	99
72) 4-Ethyltoluene	16.00	105	3226284	9.276	ppbv	100
73) 1,3,5-Trimethylbenzene	16.16	105	3075719	8.963	ppbv	100
74) 1,2,4-Trimethylbenzene	16.93	105	3193799	8.403	ppbv	96
75) 1,3-Dichlorobenzene	17.17	146	1851096	8.274	ppbv	100
76) 1,4-Dichlorobenzene	17.31	146	1808797	8.876	ppbv	99
77) 1,2-Dichlorobenzene	17.99	146	1809863	8.983	ppbv	99
78) Hexachloro-1,3-Butadiene	23.55	225	1579733	10.209	ppbv	100
79) Naphthalene	22.41	128	3792310	11.846	ppbv	99
80) Naphthalene,2-methyl-	25.11	142	939670	9.672	ppbv	98
81) 1,2,4-Trichlorobenzene	22.14	180	1755950	11.354	ppbv	99

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

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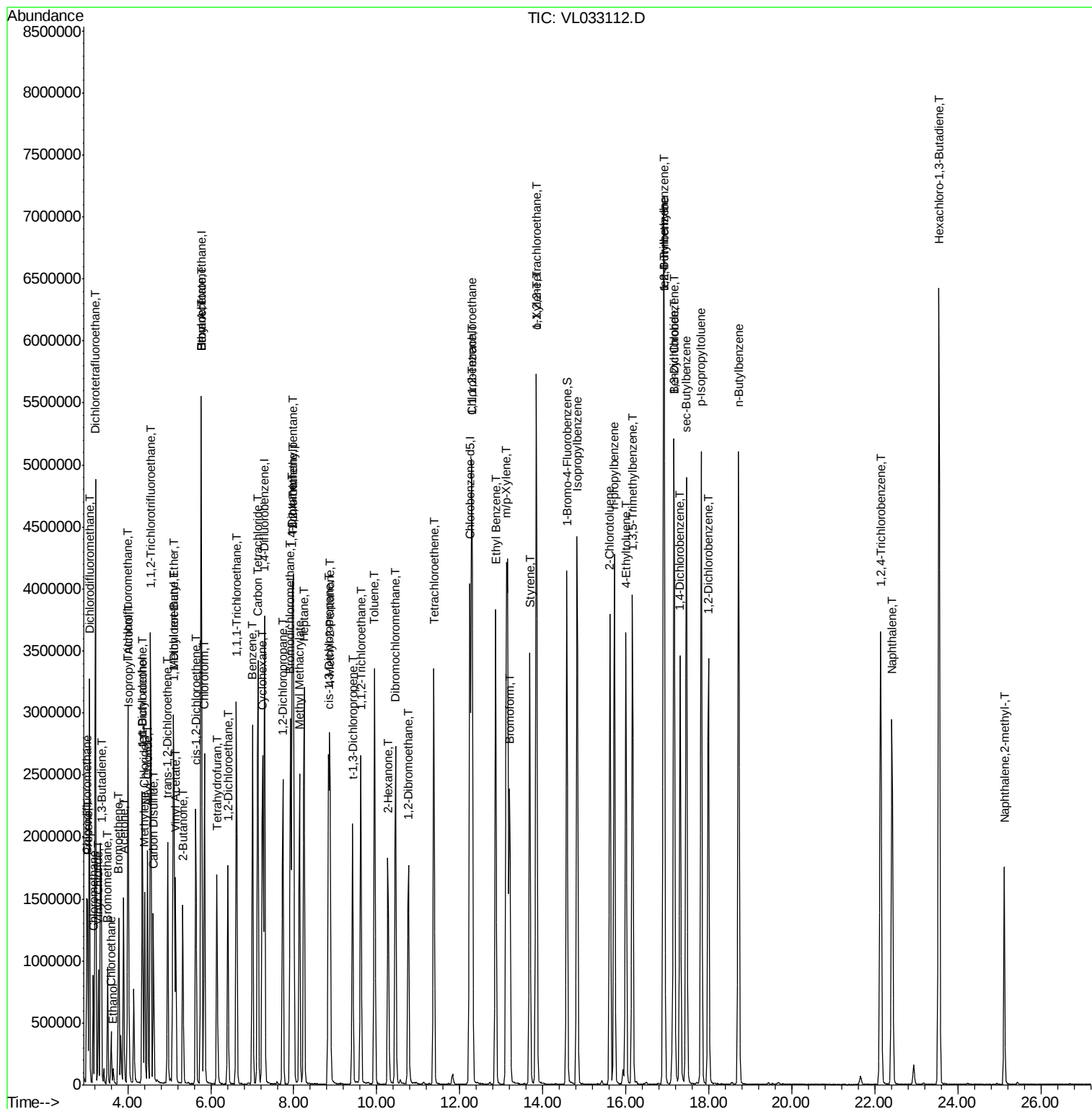
Quant Time: Jan 17 06:31:45 2019

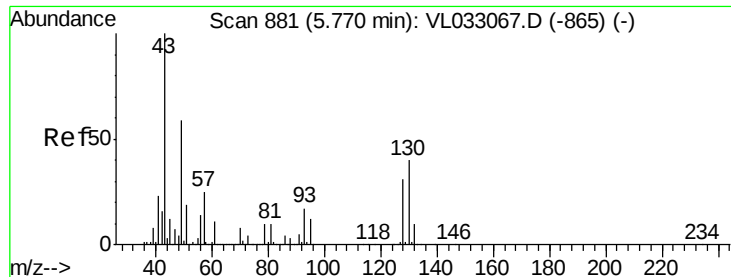
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_L\METHODS\VL010419AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LFri Jan 04 16:09:05 2019

QLast Update : Fri Jan 04 16:09:05 2019

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.01 min

Lab File: VL033112.D

Acq: 17 Jan 2019 4:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

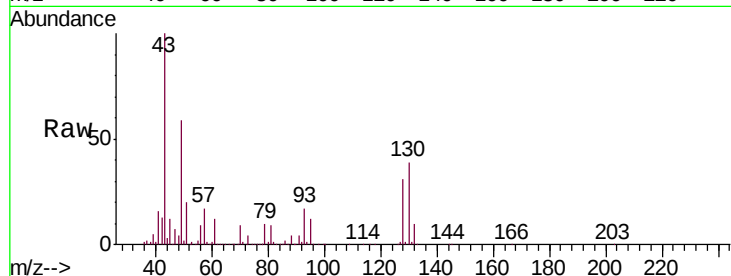
Tgt Ion: 49 Resp: 1102977

Ion Ratio Lower Upper

49 100

128 53.0 26.2 78.5

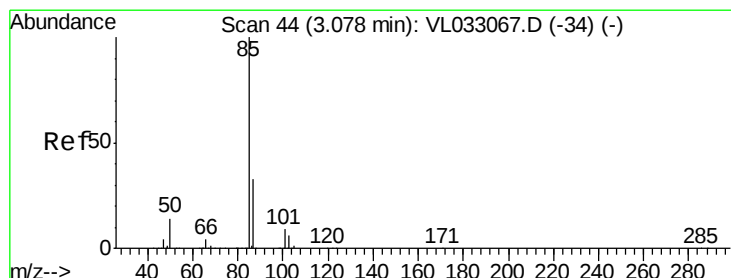
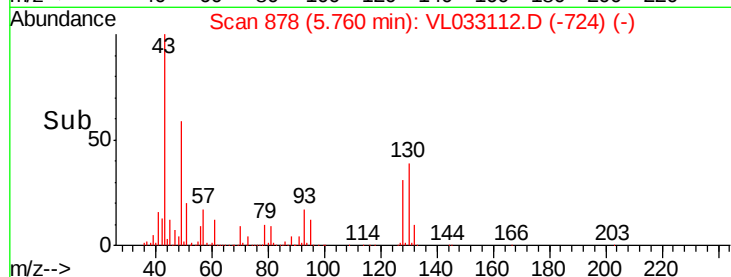
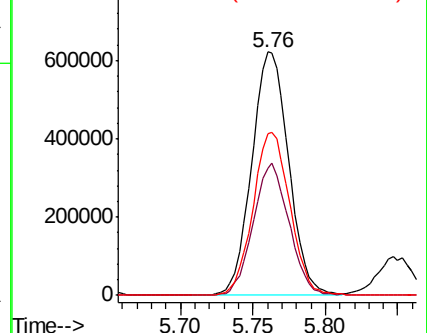
130 67.6 33.6 100.6



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: 11.152 ppbv

RT: 3.08 min Scan# 43

Delta R.T. -0.00 min

Lab File: VL033112.D

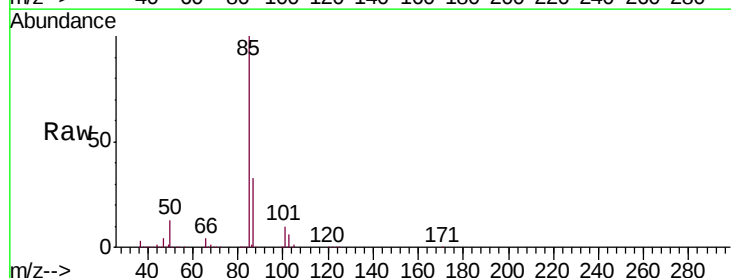
Acq: 17 Jan 2019 4:29

Tgt Ion: 85 Resp: 2289122

Ion Ratio Lower Upper

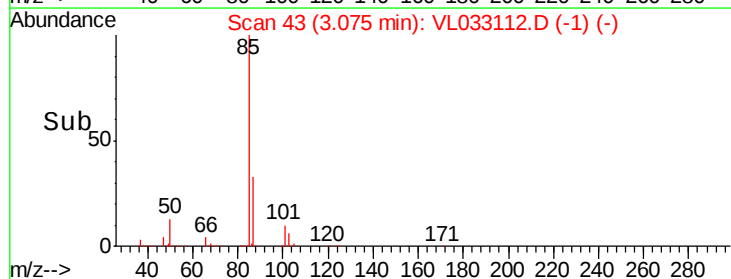
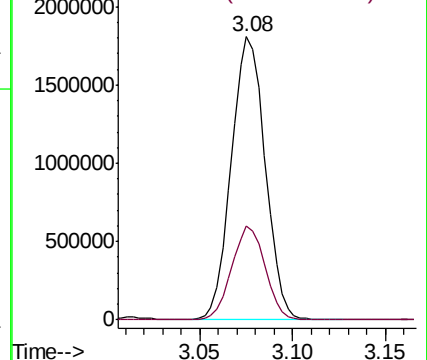
85 100

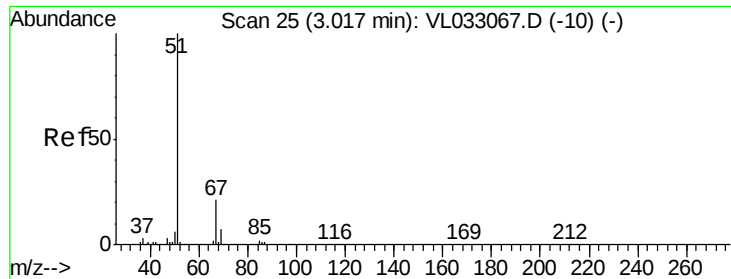
87 33.0 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.204 ppbv

RT: 3.01 min Scan# 24

Delta R.T. 0.00 min

Lab File: VL033112.D

Acq: 17 Jan 2019 4:29

Instrument :

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ClientSampleId :

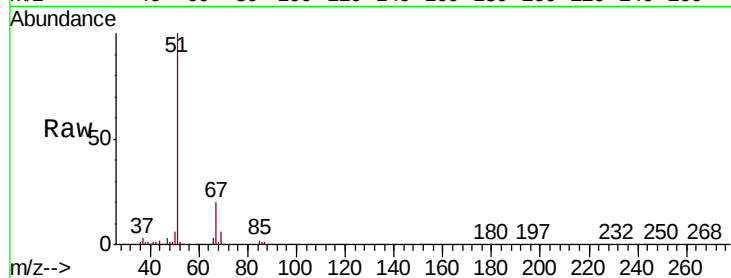
VSTDCCC010EC

Tgt Ion: 51 Resp: 1273977

Ion Ratio Lower Upper

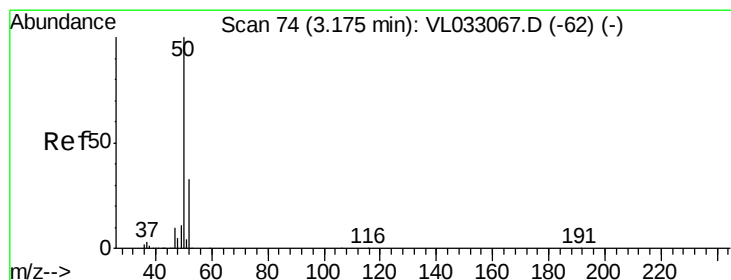
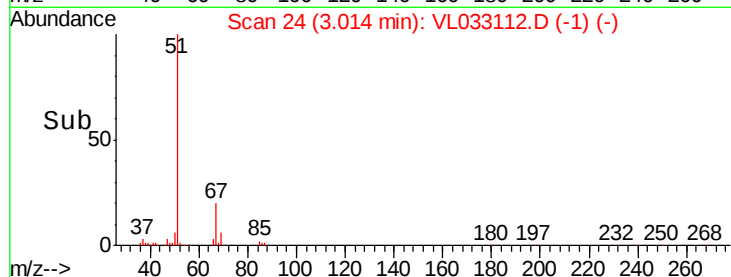
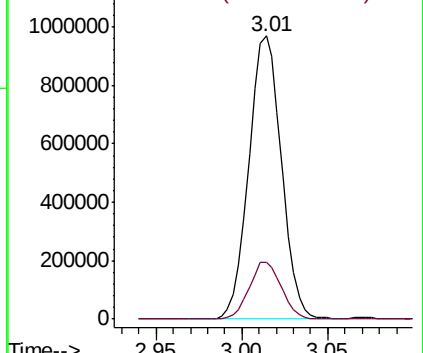
51 100

67 19.9 16.3 24.5



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.103 ppbv

RT: 3.17 min Scan# 72

Delta R.T. -0.00 min

Lab File: VL033112.D

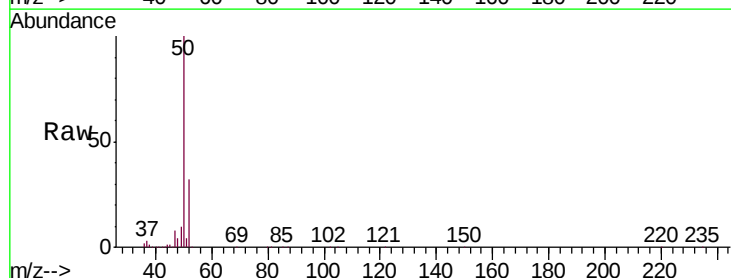
Acq: 17 Jan 2019 4:29

Tgt Ion: 50 Resp: 722456

Ion Ratio Lower Upper

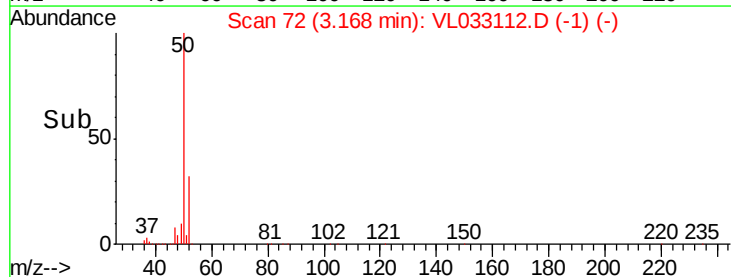
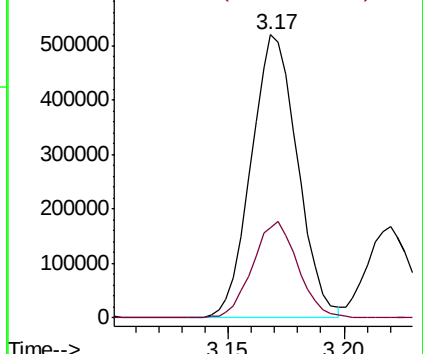
50 100

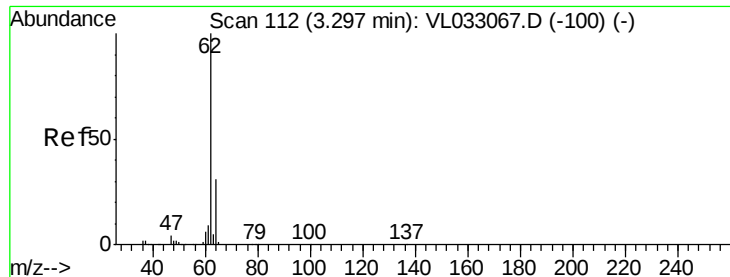
52 32.0 26.9 40.3



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.185 ppbv

RT: 3.29 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL033112.D

Acq: 17 Jan 2019 4:29

Instrument :

MSVOA_L

ClientSampleId :

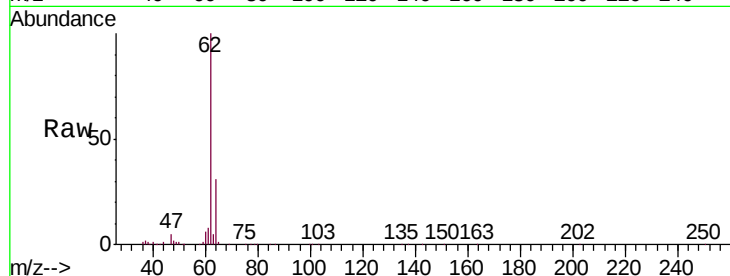
VSTDCCC010EC

Tgt Ion: 62 Resp: 735575

Ion Ratio Lower Upper

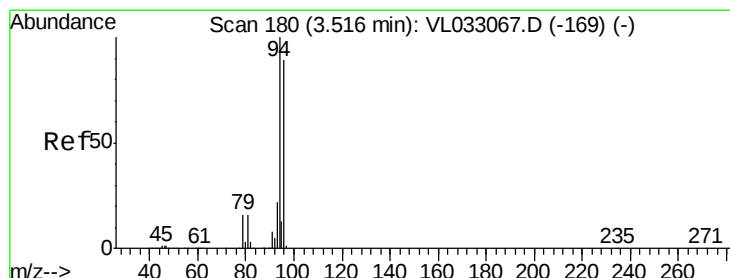
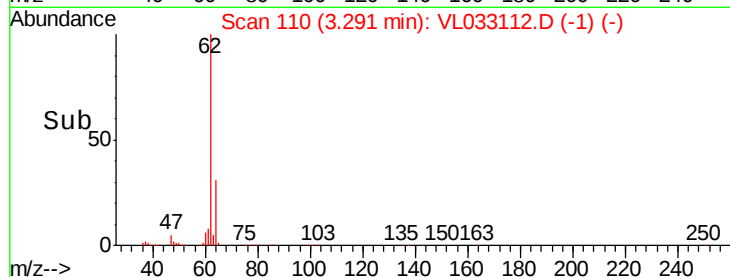
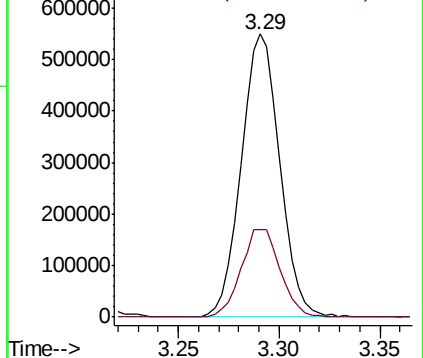
62 100

64 31.2 25.3 37.9



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.780 ppbv

RT: 3.51 min Scan# 179

Delta R.T. -0.00 min

Lab File: VL033112.D

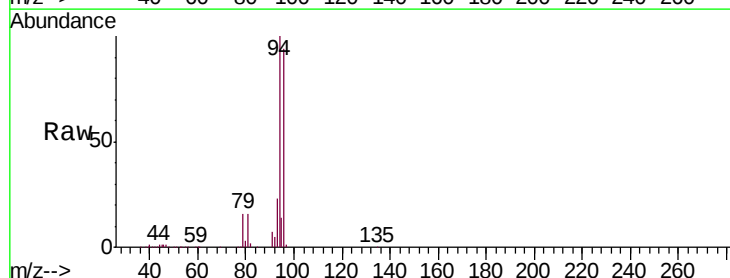
Acq: 17 Jan 2019 4:29

Tgt Ion: 94 Resp: 479840

Ion Ratio Lower Upper

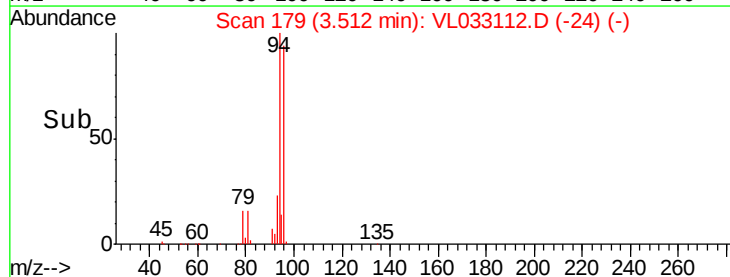
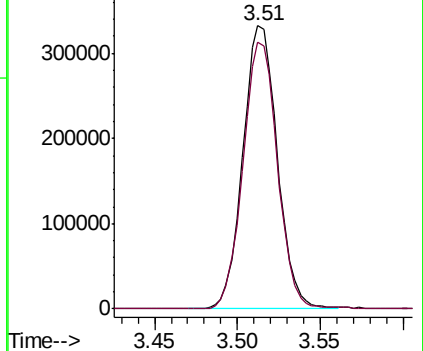
94 100

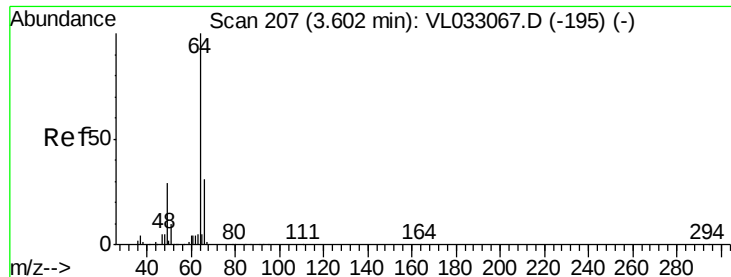
96 94.2 72.8 109.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.860 ppbv

RT: 3.60 min Scan# 206

Delta R.T. 0.00 min

Lab File: VL033112.D

Acq: 17 Jan 2019 4:29

Instrument :

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ClientSampleId :

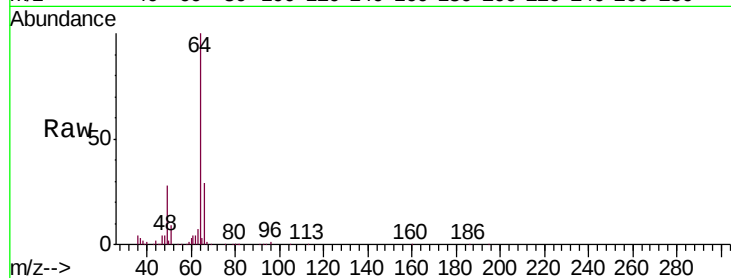
VSTDCCC010EC

Tgt Ion: 64 Resp: 278481

Ion Ratio Lower Upper

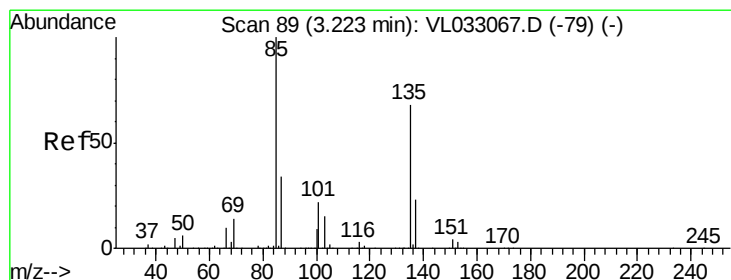
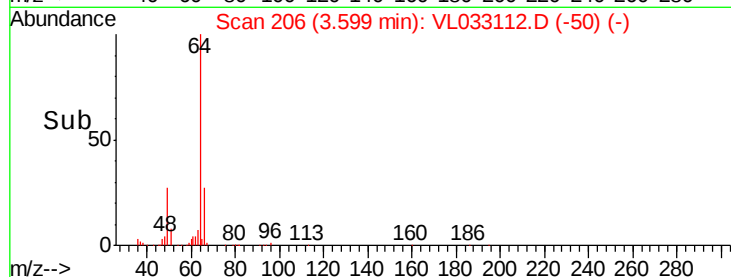
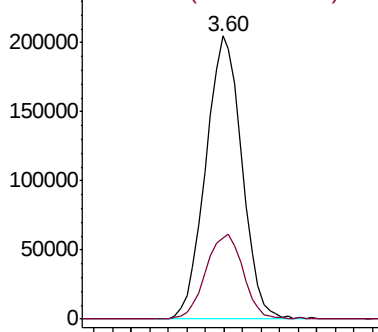
64 100

66 28.8 23.7 35.5



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 10.228 ppbv

RT: 3.22 min Scan# 88

Delta R.T. 0.00 min

Lab File: VL033112.D

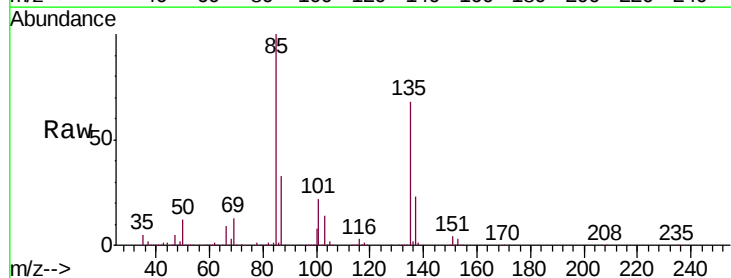
Acq: 17 Jan 2019 4:29

Tgt Ion: 85 Resp: 1808369

Ion Ratio Lower Upper

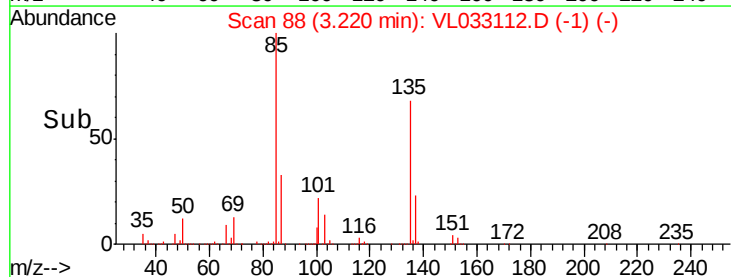
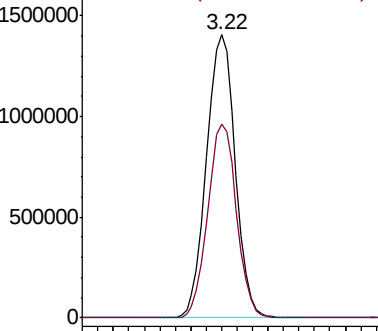
85 100

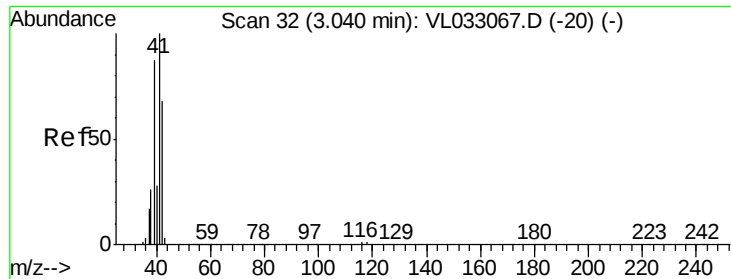
135 69.0 54.9 82.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 11.692 ppbv

RT: 3.04 min Scan# 31

Delta R.T. 0.00 min

Lab File: VL033112.D

Acq: 17 Jan 2019 4:29

Instrument :

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ClientSampleId :

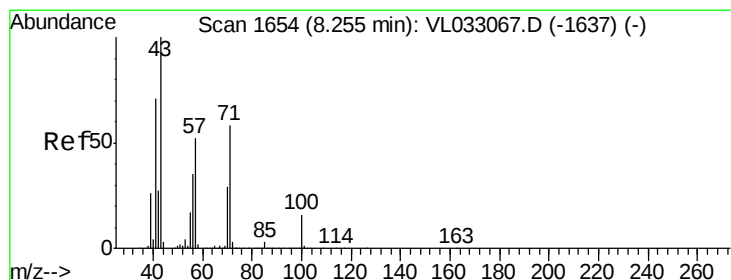
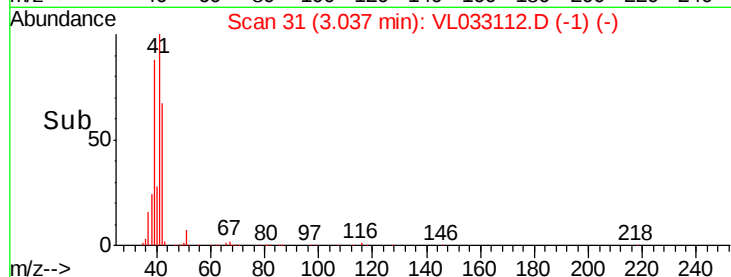
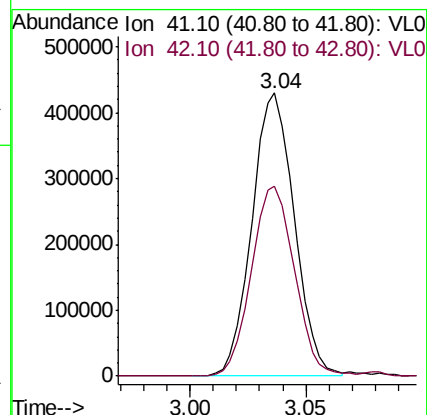
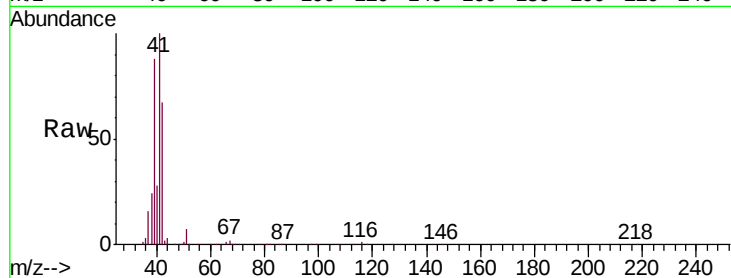
VSTDCCC010EC

Tgt Ion: 41 Resp: 545340

Ion Ratio Lower Upper

41 100

42 69.5 55.3 82.9



#10

Heptane

Concen: 10.397 ppbv

RT: 8.25 min Scan# 1651

Delta R.T. -0.00 min

Lab File: VL033112.D

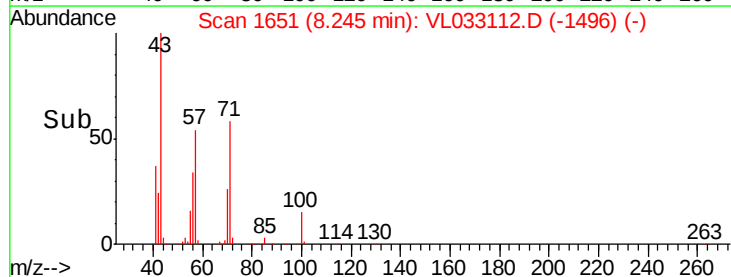
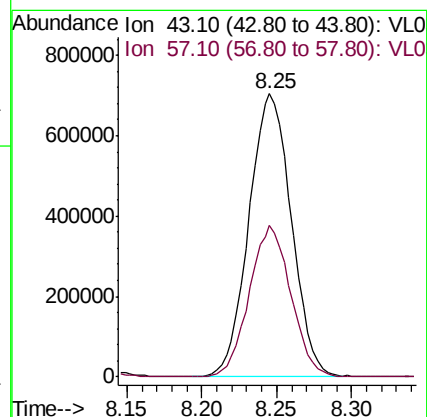
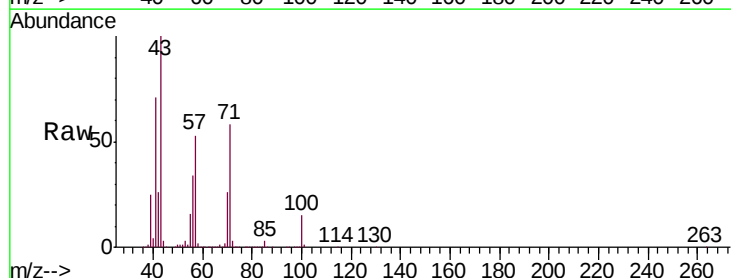
Acq: 17 Jan 2019 4:29

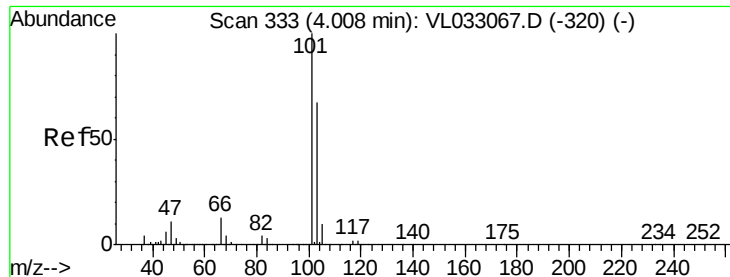
Tgt Ion: 43 Resp: 1380751

Ion Ratio Lower Upper

43 100

57 52.6 41.9 62.9

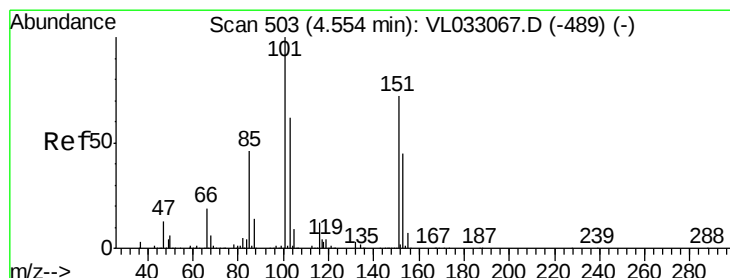
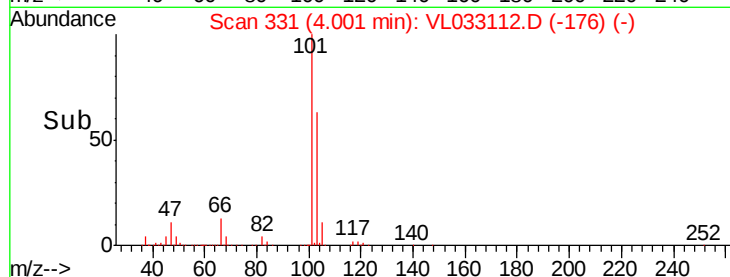
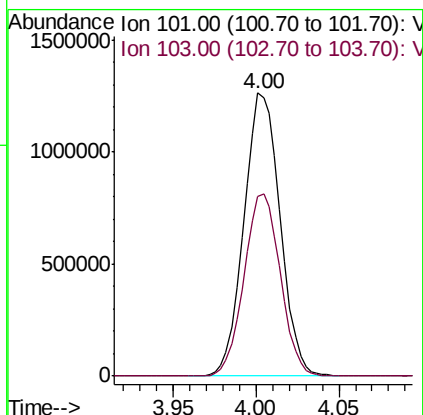
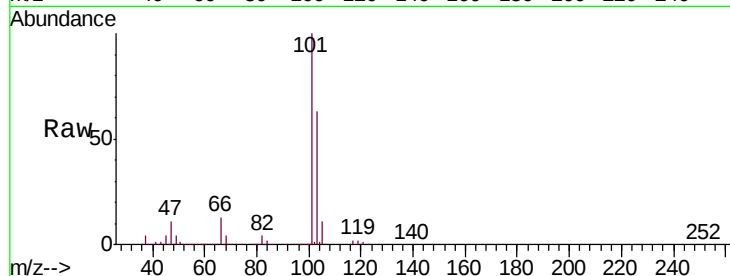




#11
 Trichlorofluoromethane
 Concen: 8.440 ppbv
 RT: 4.00 min Scan# 331
 Delta R.T. -0.00 min
 Lab File: VL033112.D
 Acq: 17 Jan 2019 4:29

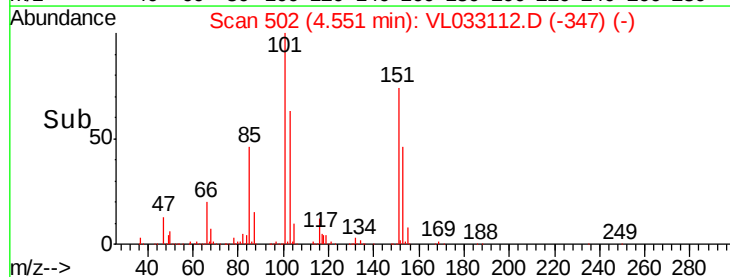
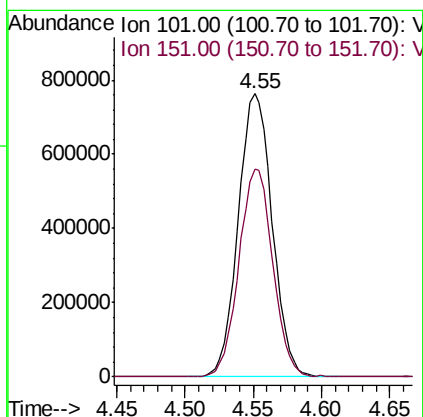
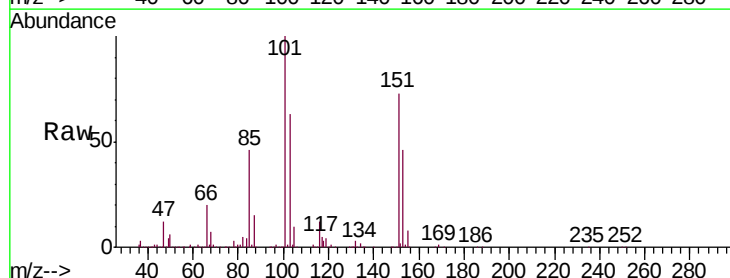
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

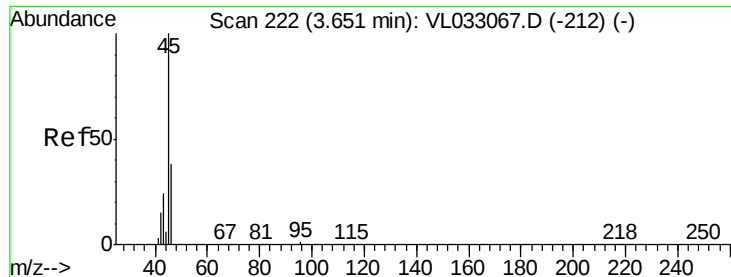
Tgt Ion:101 Resp: 1914298
 Ion Ratio Lower Upper
 101 100
 103 63.4 51.7 77.5



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.215 ppbv
 RT: 4.55 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VL033112.D
 Acq: 17 Jan 2019 4:29

Tgt Ion:101 Resp: 1321633
 Ion Ratio Lower Upper
 101 100
 151 73.2 58.3 87.5





#13

Ethanol

Concen: 6.034 ppbv

RT: 3.65 min Scan# 221

Delta R.T. -0.00 min

Lab File: VL033112.D

Acq: 17 Jan 2019 4:29

Instrument :

MSVOA_L

ClientSampleId :

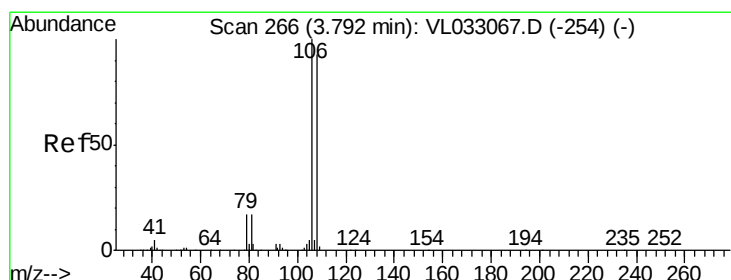
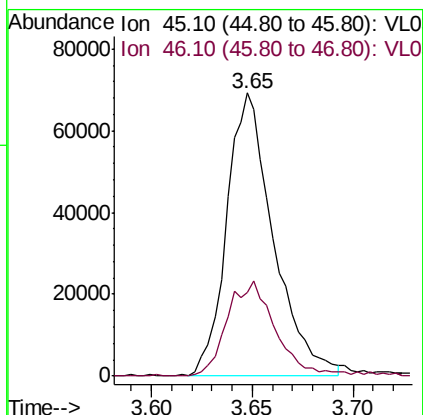
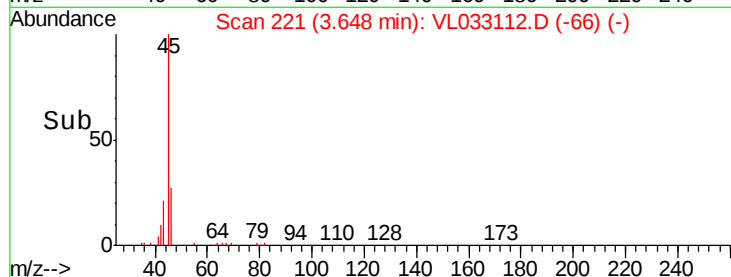
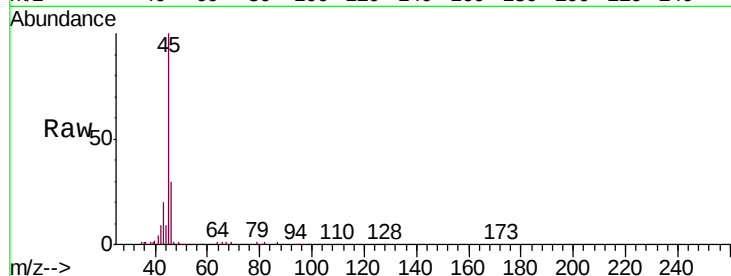
VSTDCCC010EC

Tgt Ion: 45 Resp: 112237

Ion Ratio Lower Upper

45 100

46 35.5 13.8 55.2



#14

Bromoethene

Concen: 9.704 ppbv

RT: 3.79 min Scan# 264

Delta R.T. -0.00 min

Lab File: VL033112.D

Acq: 17 Jan 2019 4:29

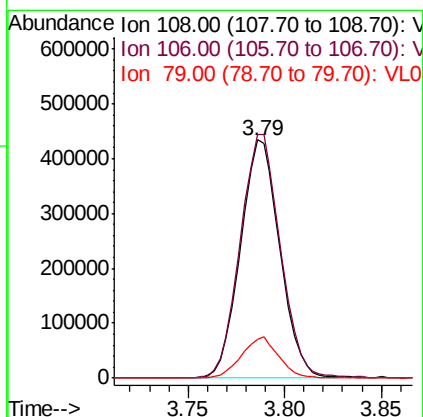
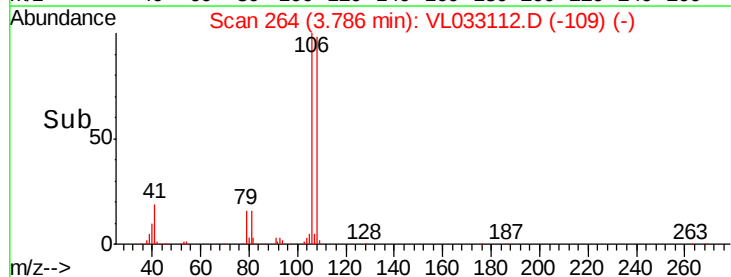
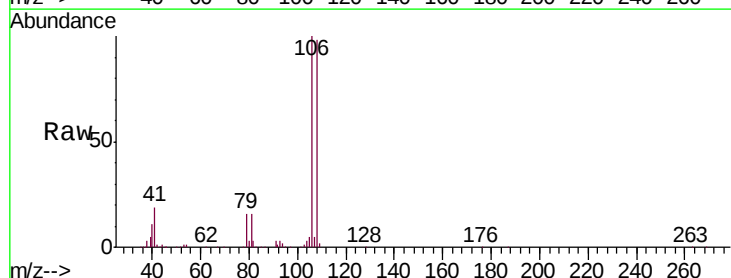
Tgt Ion: 108 Resp: 614712

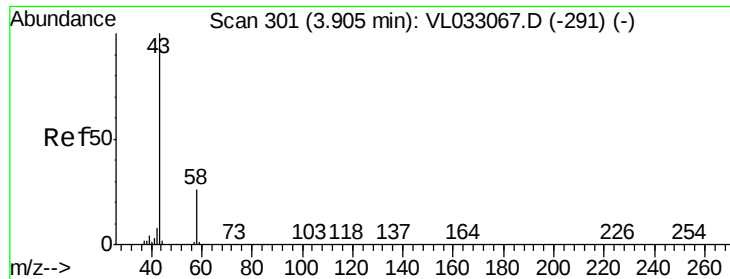
Ion Ratio Lower Upper

108 100

106 105.0 86.4 129.6

79 16.4 14.3 21.5

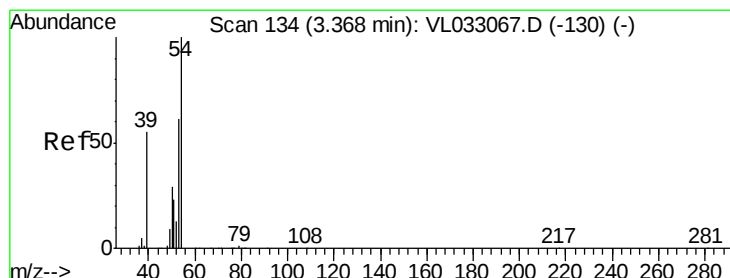
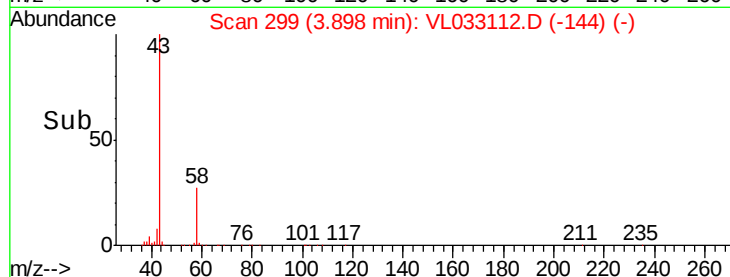
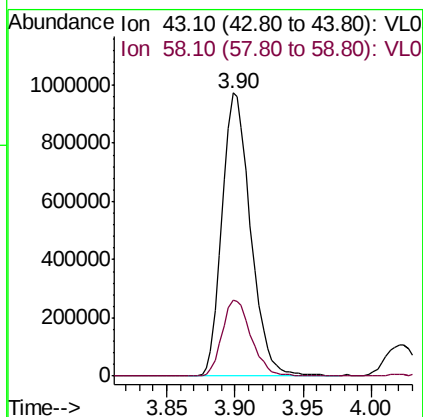
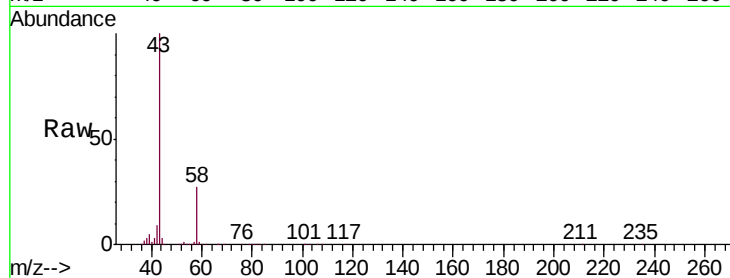




#15
Acetone
Concen: 9.316 ppbv
RT: 3.90 min Scan# 299
Delta R.T. -0.00 min
Lab File: VL033112.D
Acq: 17 Jan 2019 4:29

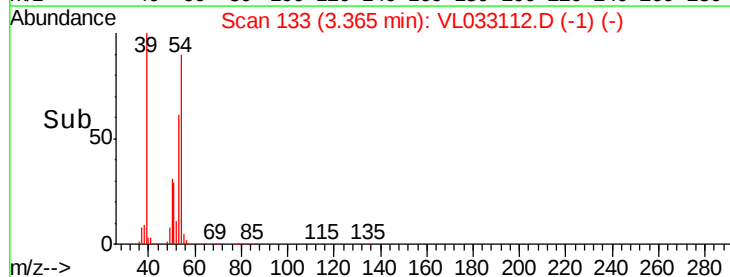
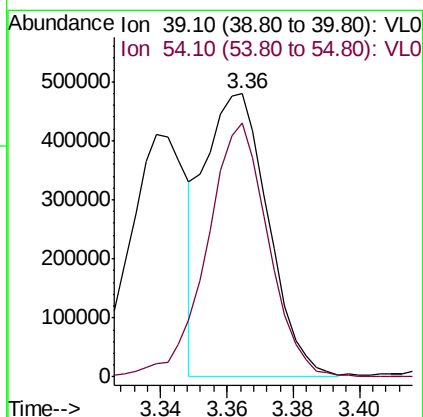
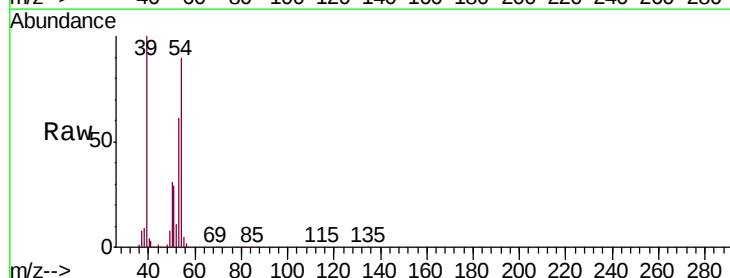
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

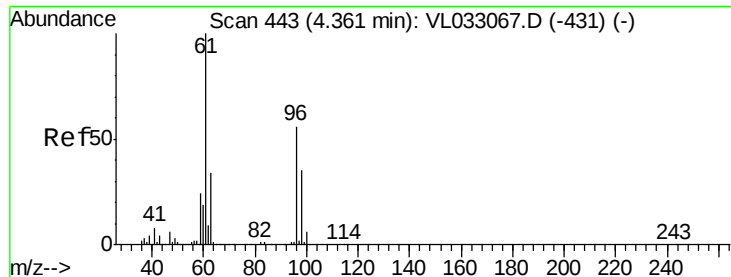
Tgt Ion: 43 Resp: 1422286
Ion Ratio Lower Upper
43 100
58 27.2 21.1 31.7



#16
1,3-Butadiene
Concen: 11.073 ppbv
RT: 3.36 min Scan# 133
Delta R.T. 0.00 min
Lab File: VL033112.D
Acq: 17 Jan 2019 4:29

Tgt Ion: 39 Resp: 637503
Ion Ratio Lower Upper
39 100
54 87.5 73.7 110.5

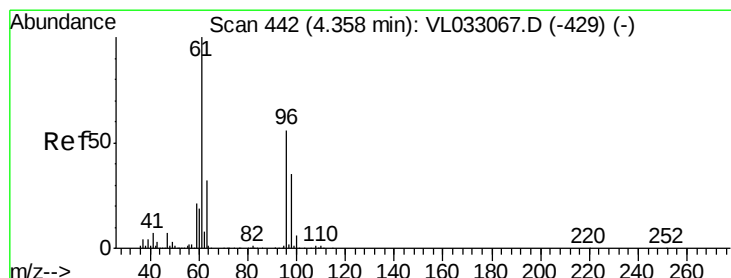
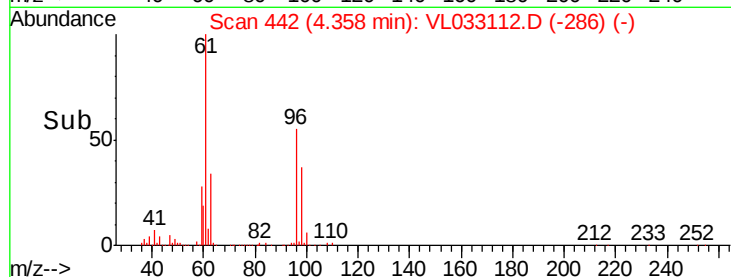
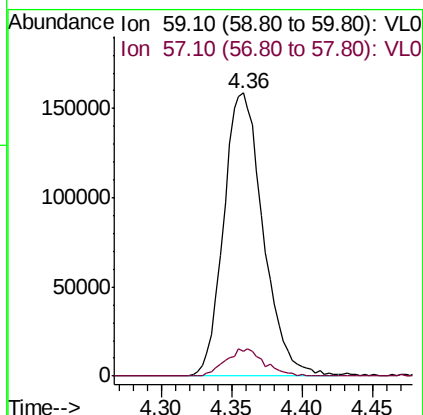
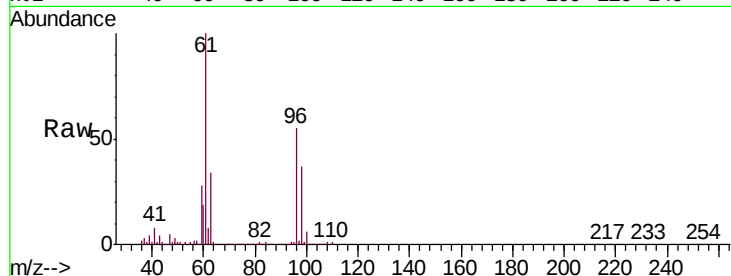




#17
tert-Butyl alcohol
Concen: 9.611 ppbv
RT: 4.36 min Scan# 442
Delta R.T. 0.00 min
Lab File: VL033112.D
Acq: 17 Jan 2019 4:29

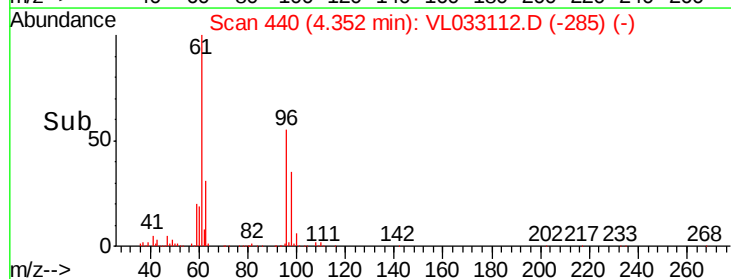
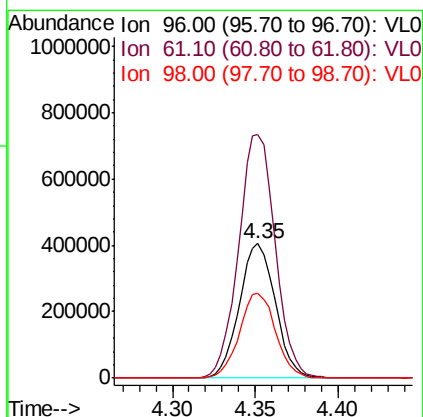
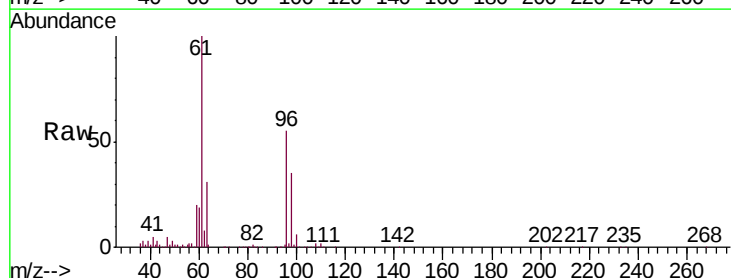
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

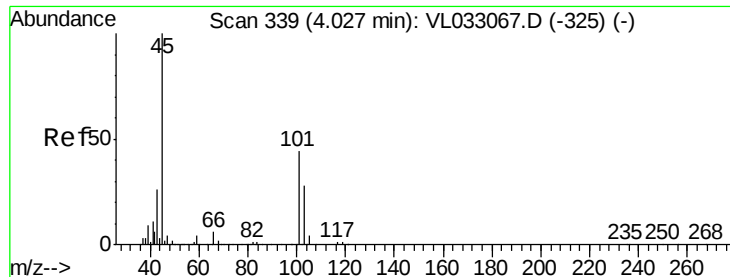
Tgt Ion: 59 Resp: 310809
Ion Ratio Lower Upper
59 100
57 9.6 7.7 11.5



#18
1,1-Dichloroethene
Concen: 9.300 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.00 min
Lab File: VL033112.D
Acq: 17 Jan 2019 4:29

Tgt Ion: 96 Resp: 614372
Ion Ratio Lower Upper
96 100
61 181.0 143.7 215.5
98 63.0 52.1 78.1





#19

Isopropyl Alcohol

Concen: 7.156 ppbv

RT: 4.02 min Scan# 337

Delta R.T. -0.00 min

Lab File: VL033112.D

Acq: 17 Jan 2019 4:29

Instrument :

MSVOA_L

ClientSampleId :

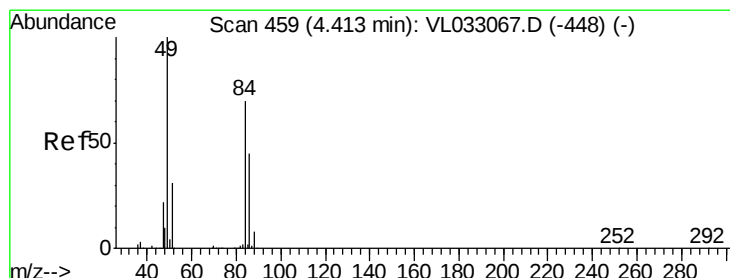
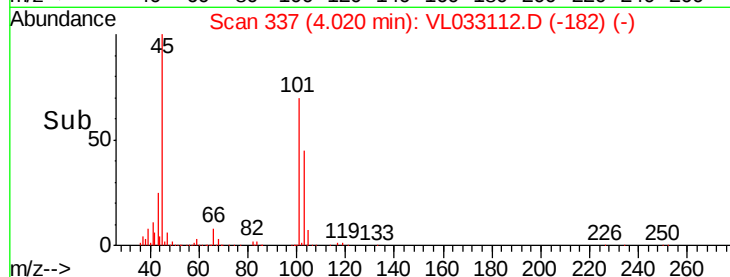
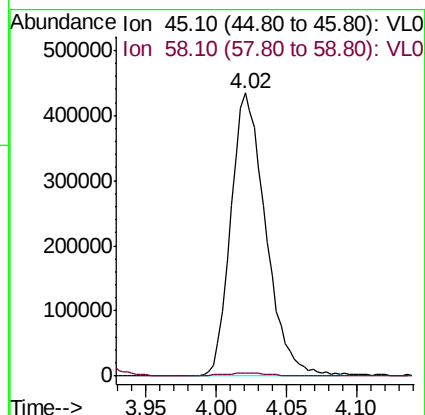
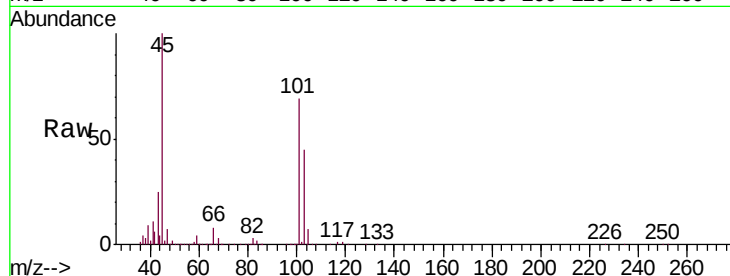
VSTDCCC010EC

Tgt Ion: 45 Resp: 752077

Ion Ratio Lower Upper

45 100

58 1.7 1.4 2.2



#20

Methylene Chloride

Concen: 8.255 ppbv

RT: 4.41 min Scan# 457

Delta R.T. -0.00 min

Lab File: VL033112.D

Acq: 17 Jan 2019 4:29

Tgt Ion: 84 Resp: 525408

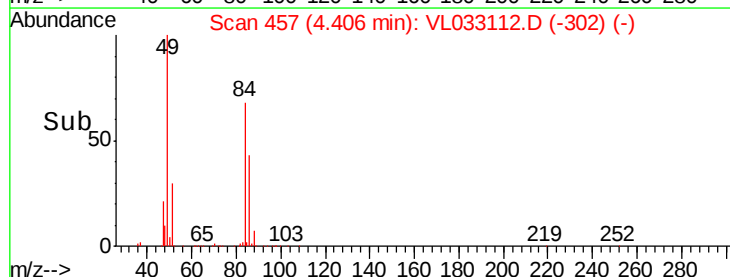
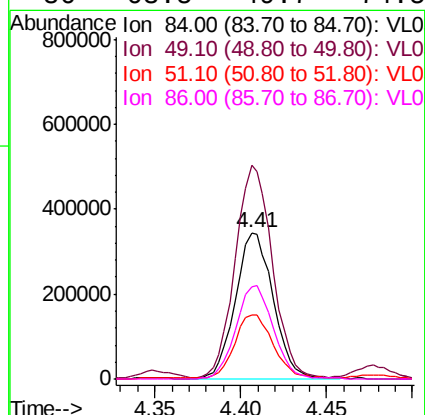
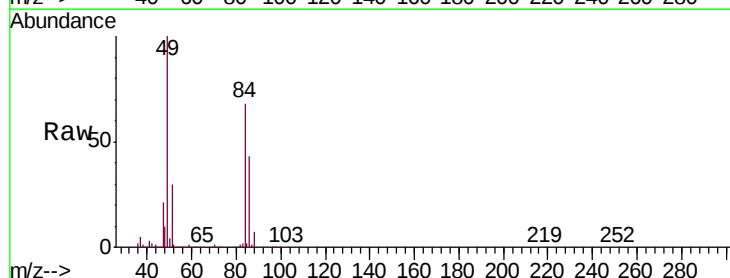
Ion Ratio Lower Upper

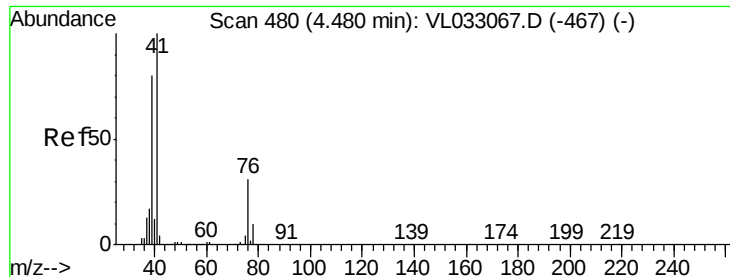
84 100

49 145.5 115.8 173.6

51 43.6 35.7 53.5

86 63.5 49.7 74.5

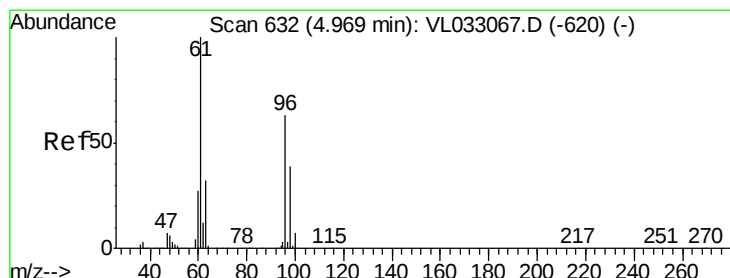
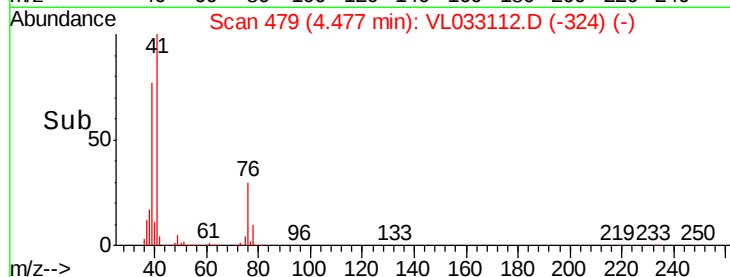
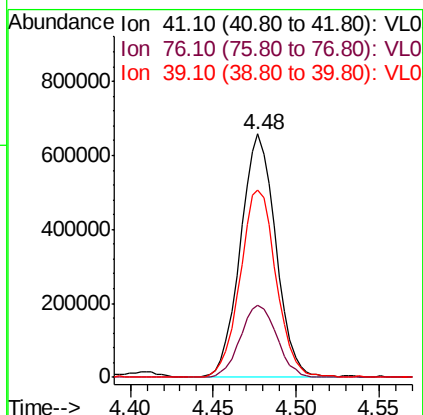
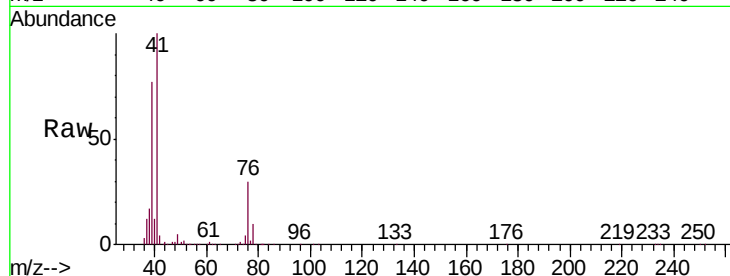




#21
 Allyl Chloride
 Concen: 10.258 ppbv
 RT: 4.48 min Scan# 479
 Delta R.T. -0.00 min
 Lab File: VL033112.D
 Acq: 17 Jan 2019 4:29

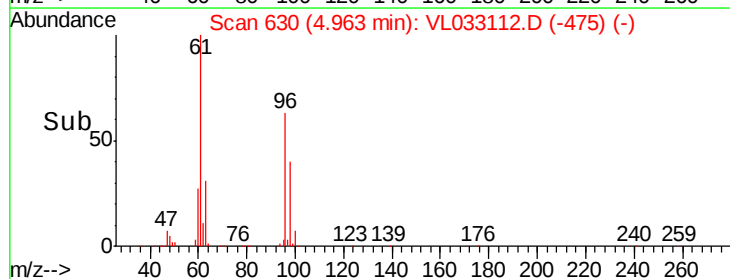
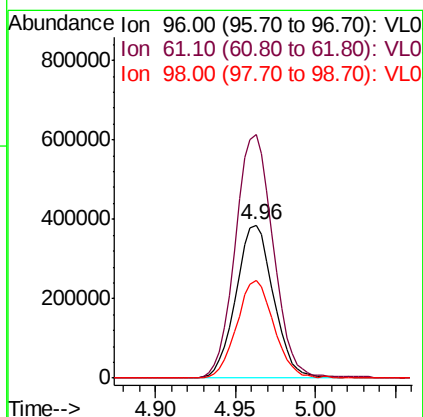
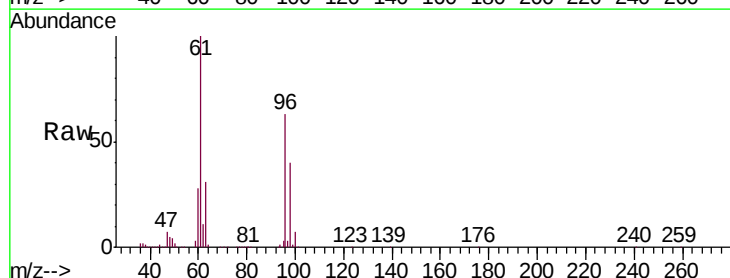
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

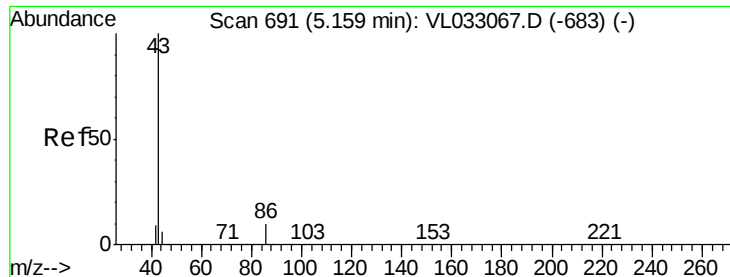
Tgt Ion: 41 Resp: 970463
 Ion Ratio Lower Upper
 41 100
 76 30.7 24.6 36.8
 39 79.0 62.8 94.2



#22
 trans-1,2-Dichloroethene
 Concen: 9.408 ppbv
 RT: 4.96 min Scan# 630
 Delta R.T. -0.00 min
 Lab File: VL033112.D
 Acq: 17 Jan 2019 4:29

Tgt Ion: 96 Resp: 616081
 Ion Ratio Lower Upper
 96 100
 61 158.9 125.2 187.8
 98 63.9 50.9 76.3





#23

Vinyl Acetate

Concen: 10.627 ppbv

RT: 5.15 min Scan# 689

Delta R.T. -0.01 min

Lab File: VL033112.D

Acq: 17 Jan 2019 4:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 2063983

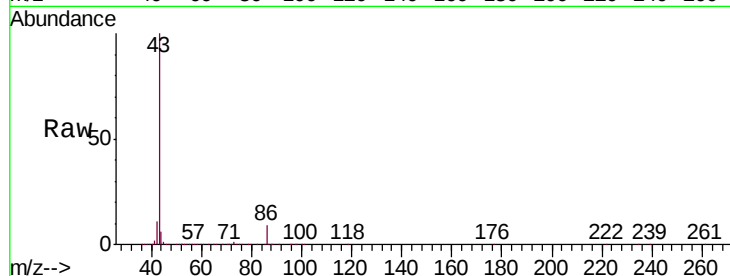
Ion Ratio Lower Upper

43 100

86 9.0 6.2 9.4

42 10.7 8.1 12.1

44 5.6 4.3 6.5

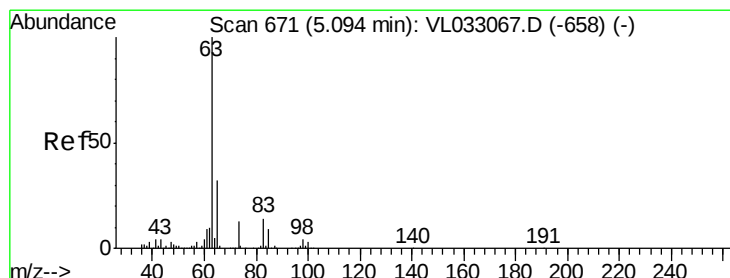
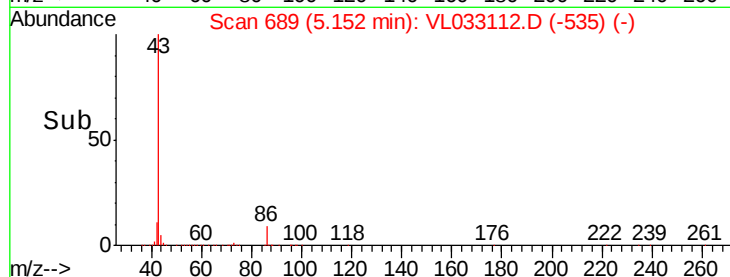
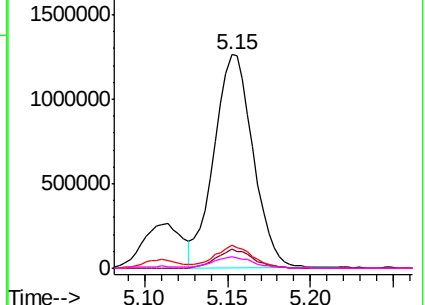


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.262 ppbv

RT: 5.09 min Scan# 670

Delta R.T. -0.00 min

Lab File: VL033112.D

Acq: 17 Jan 2019 4:29

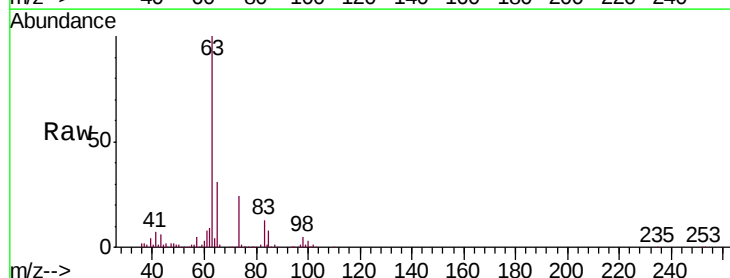
Tgt Ion: 63 Resp: 1527354

Ion Ratio Lower Upper

63 100

98 4.6 2.4 7.2

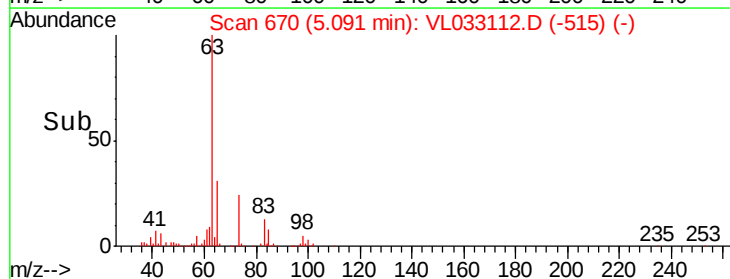
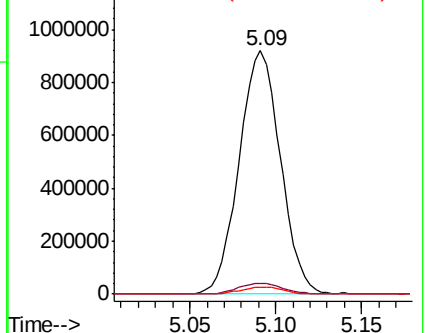
100 2.9 1.4 4.0

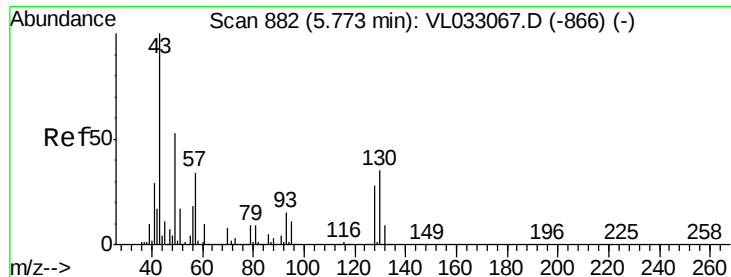


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



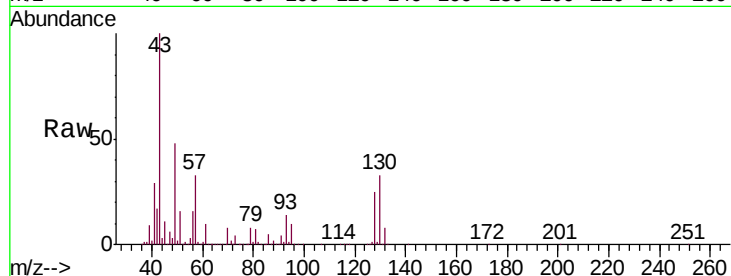


#25
Ethyl Acetate
Concen: 9.430 ppbv
RT: 5.77 min Scan# 880
Delta R.T. -0.00 min
Lab File: VL033112.D
Acq: 17 Jan 2019 4:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 2433478

Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.9	11.9
61	9.6	7.8	11.8
70	7.3	6.0	9.0



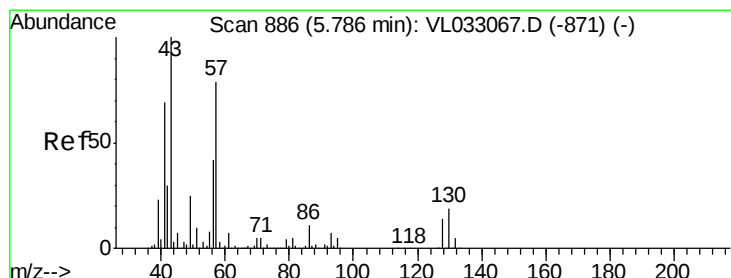
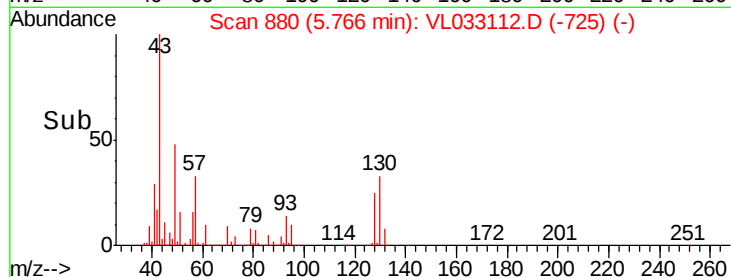
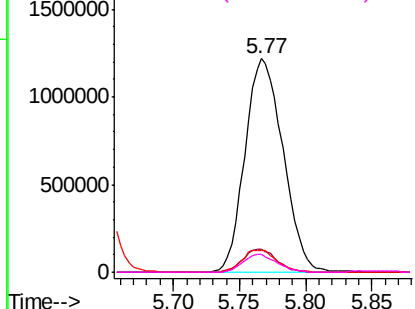
Abundance

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

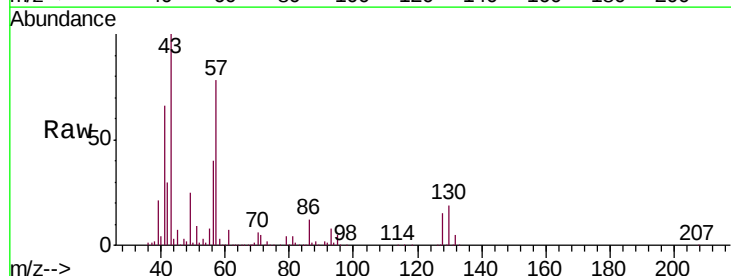
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.373 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033112.D
Acq: 17 Jan 2019 4:29

Tgt Ion: 57 Resp: 1138919

Ion	Ratio	Lower	Upper
57	100		
41	87.3	70.8	106.2
43	214.8	171.8	257.6
56	52.2	41.9	62.9



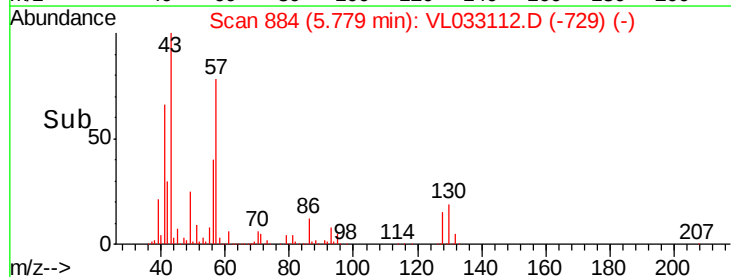
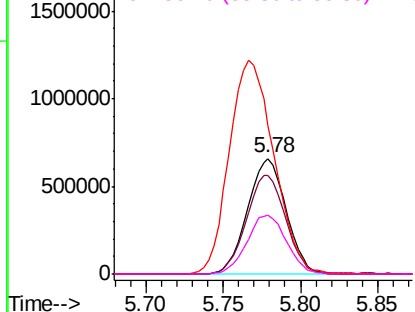
Abundance

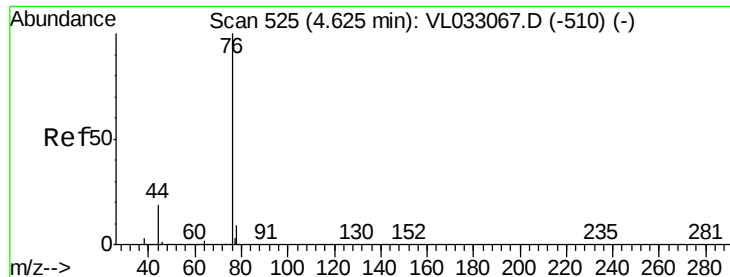
Ion 57.10 (56.80 to 57.80): VL0

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: 10.284 ppbv

RT: 4.62 min Scan# 523

Delta R.T. -0.00 min

Lab File: VL033112.D

Acq: 17 Jan 2019 4:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

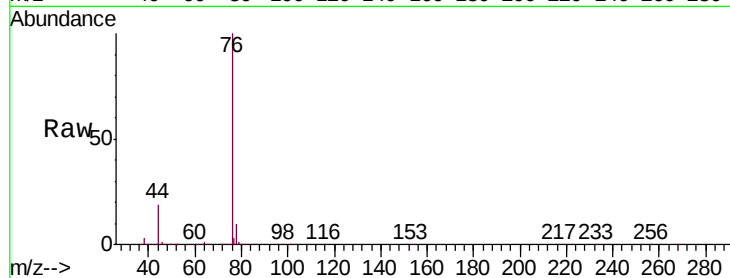
Tgt Ion: 76 Resp: 1541120

Ion Ratio Lower Upper

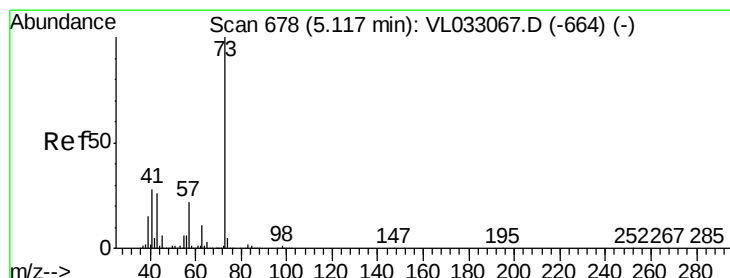
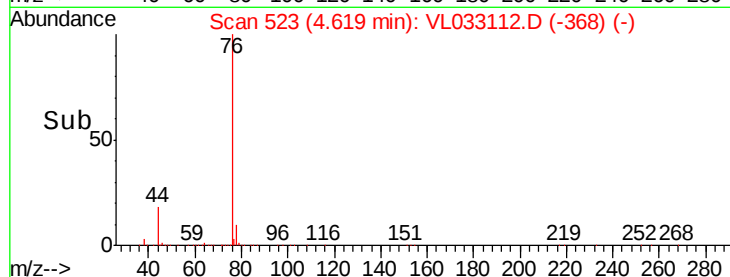
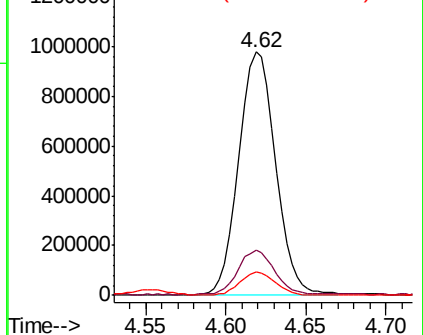
76 100

44 18.2 13.9 20.9

78 9.4 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.247 ppbv

RT: 5.11 min Scan# 676

Delta R.T. -0.00 min

Lab File: VL033112.D

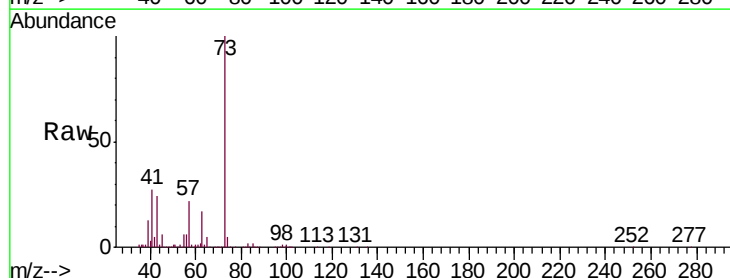
Acq: 17 Jan 2019 4:29

Tgt Ion: 73 Resp: 1943570

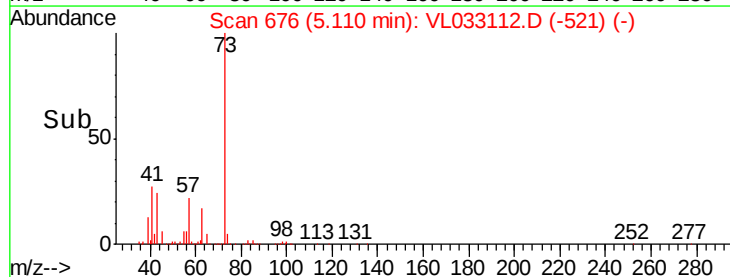
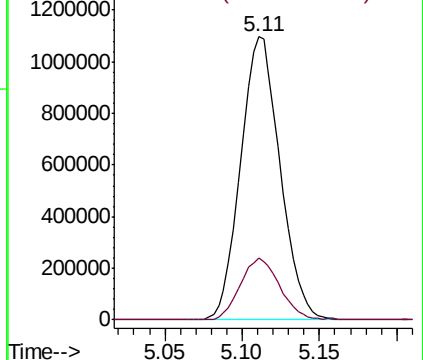
Ion Ratio Lower Upper

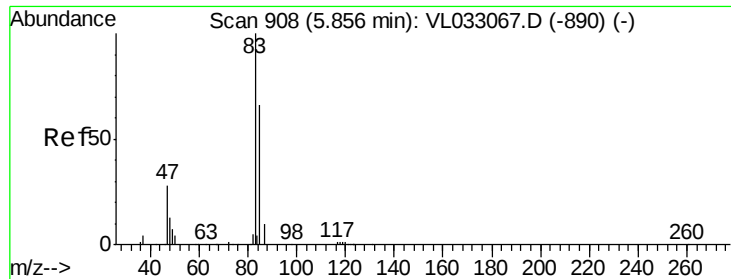
73 100

57 21.9 17.5 26.3



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0

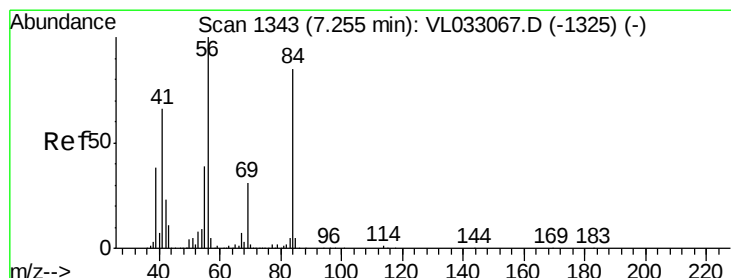
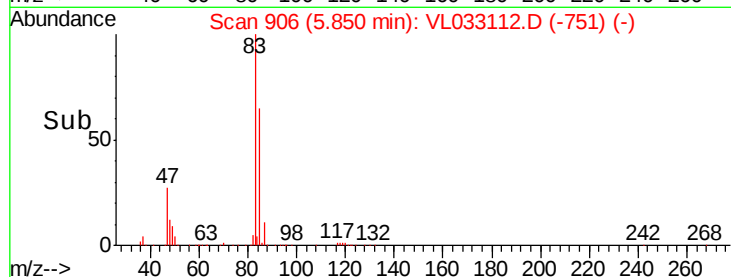
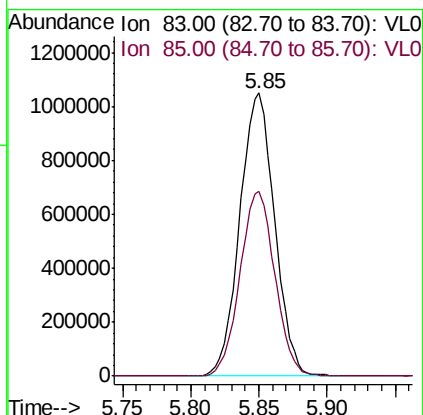
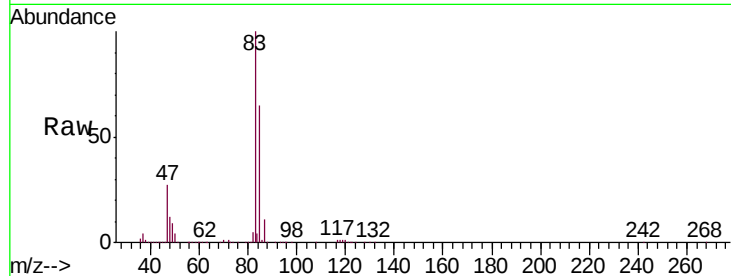




#29
Chloroform
Concen: 8.990 ppbv
RT: 5.85 min Scan# 906
Delta R.T. -0.00 min
Lab File: VL033112.D
Acq: 17 Jan 2019 4:29

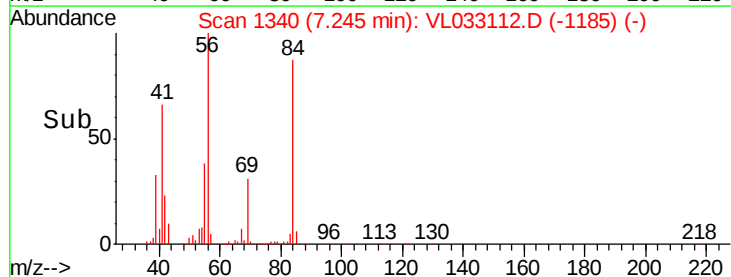
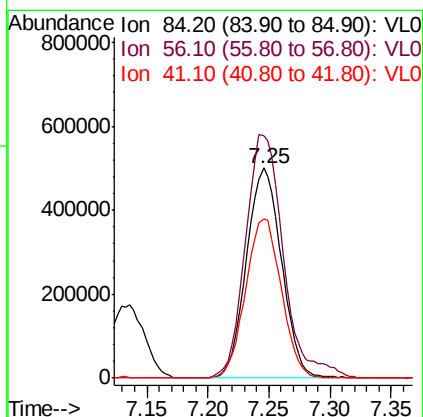
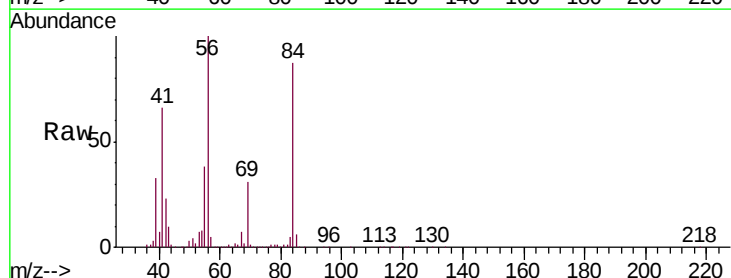
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

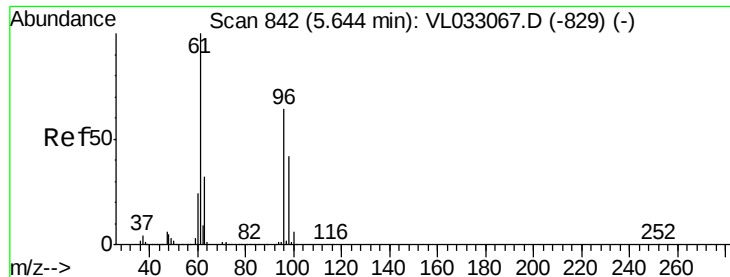
Tgt Ion: 83 Resp: 1861512
Ion Ratio Lower Upper
83 100
85 65.4 52.5 78.7



#30
Cyclohexane
Concen: 10.971 ppbv
RT: 7.25 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VL033112.D
Acq: 17 Jan 2019 4:29

Tgt Ion: 84 Resp: 993945
Ion Ratio Lower Upper
84 100
56 125.6 101.8 152.6
41 76.7 63.2 94.8



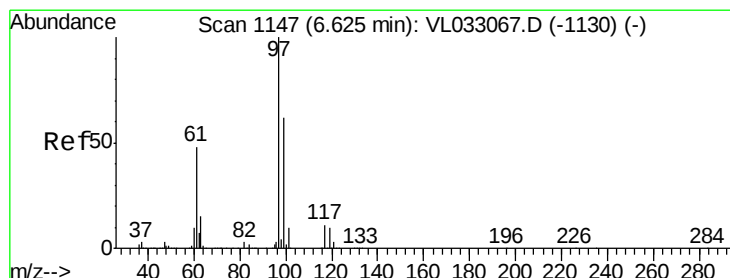
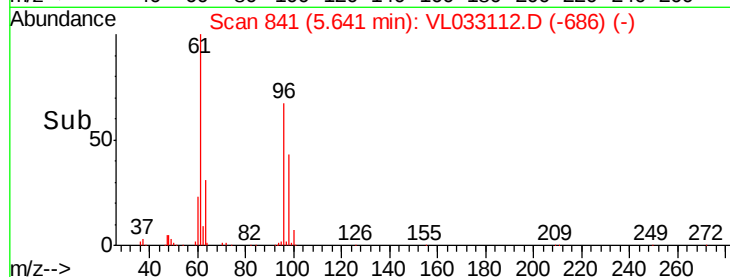
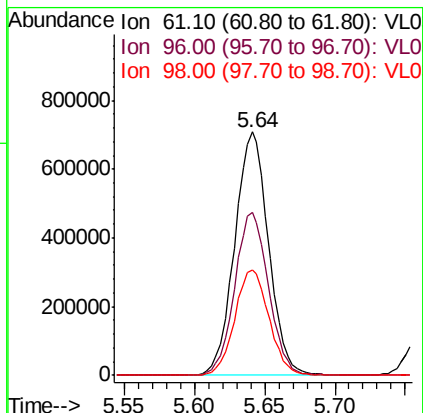
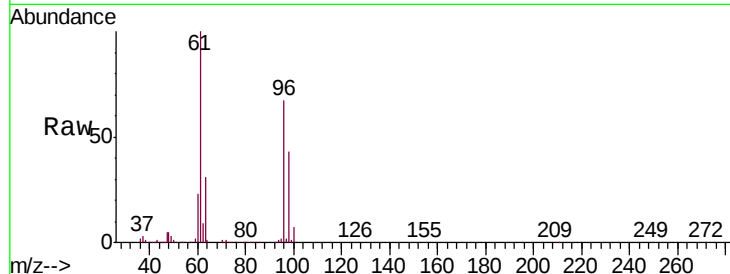


#31

cis-1,2-Dichloroethene
 Concen: 10.553 ppbv
 RT: 5.64 min Scan# 841
 Delta R.T. -0.00 min
 Lab File: VL033112.D
 Acq: 17 Jan 2019 4:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

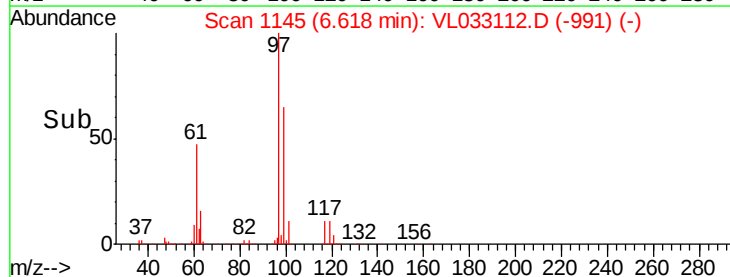
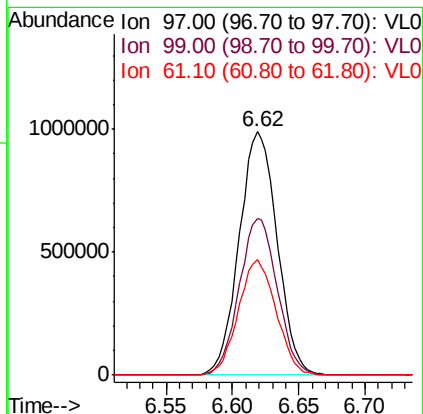
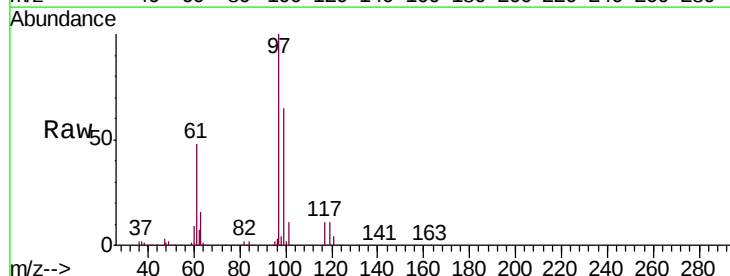
Tgt Ion: 61 Resp: 1190677
 Ion Ratio Lower Upper
 61 100
 96 67.1 52.8 79.2
 98 43.2 33.8 50.6

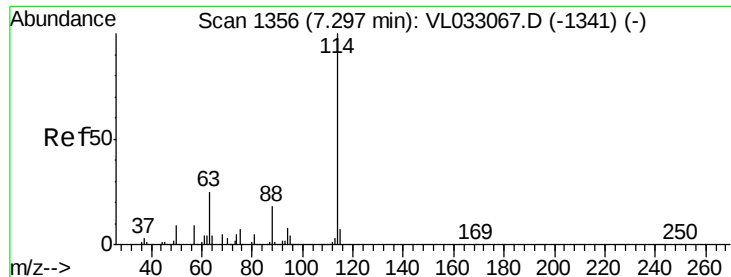


#32

1,1,1-Trichloroethane
 Concen: 9.401 ppbv
 RT: 6.62 min Scan# 1145
 Delta R.T. -0.01 min
 Lab File: VL033112.D
 Acq: 17 Jan 2019 4:29

Tgt Ion: 97 Resp: 1975693
 Ion Ratio Lower Upper
 97 100
 99 64.8 51.1 76.7
 61 47.3 38.3 57.5

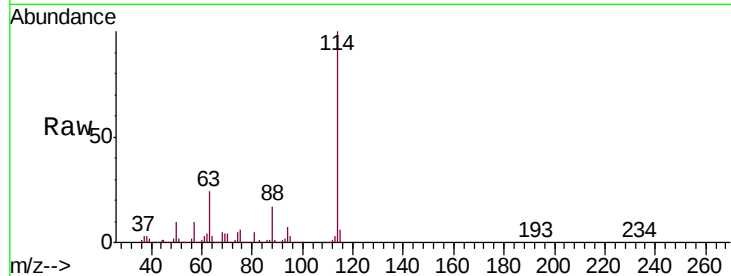




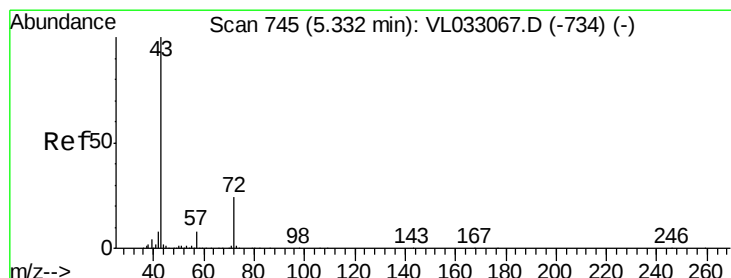
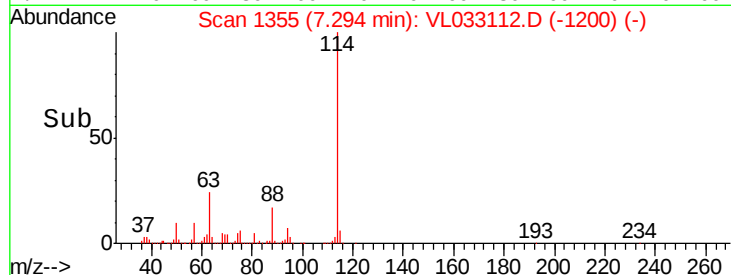
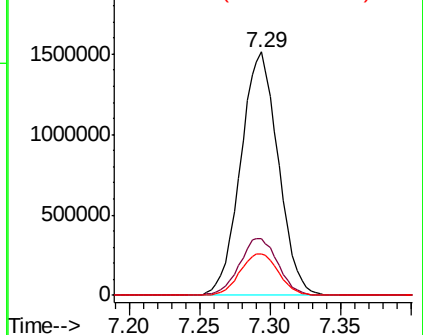
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1355
 Delta R.T. -0.00 min
 Lab File: VL033112.D
 Acq: 17 Jan 2019 4:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:114 Resp: 2817839
 Ion Ratio Lower Upper
 114 100
 63 24.3 20.1 30.1
 88 17.5 14.0 21.0

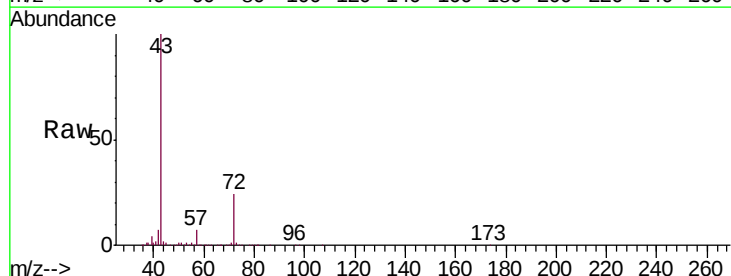


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

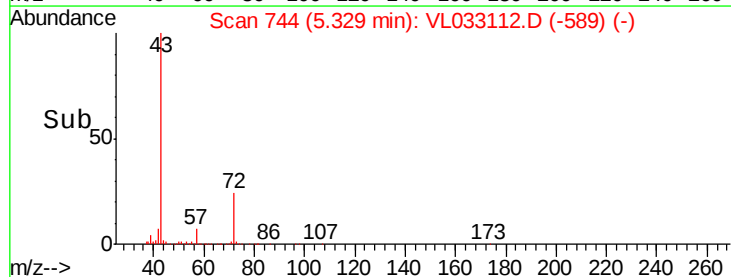
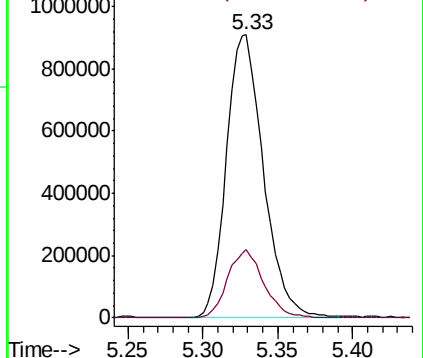


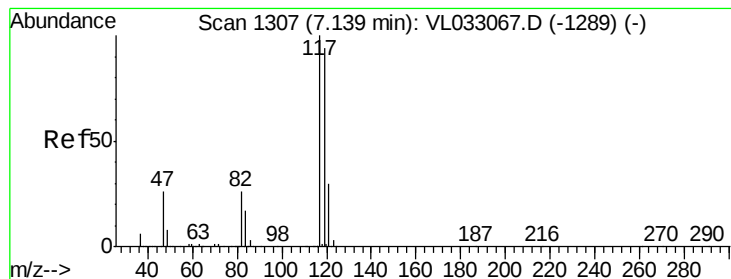
#34
 2-Butanone
 Concen: 9.503 ppbv
 RT: 5.33 min Scan# 744
 Delta R.T. -0.00 min
 Lab File: VL033112.D
 Acq: 17 Jan 2019 4:29

Tgt Ion: 43 Resp: 1555949
 Ion Ratio Lower Upper
 43 100
 72 23.8 18.9 28.3



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





#35

Carbon Tetrachloride

Concen: 8.858 ppbv

RT: 7.13 min Scan# 1305

Delta R.T. -0.01 min

Lab File: VL033112.D

Acq: 17 Jan 2019 4:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

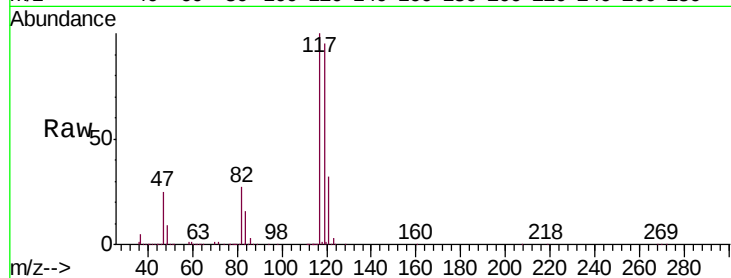
Tgt Ion:117 Resp: 2144064

Ion Ratio Lower Upper

117 100

119 95.0 76.5 114.7

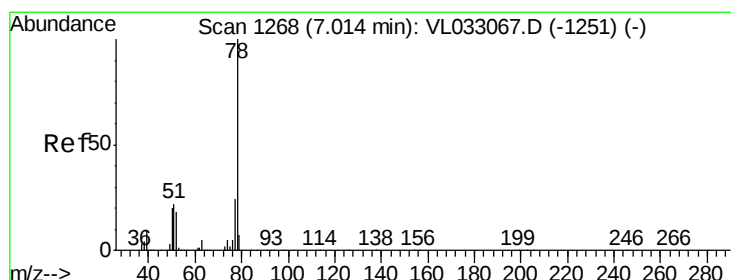
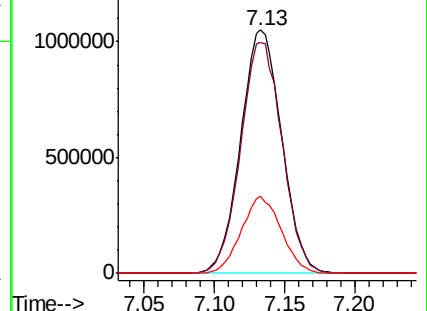
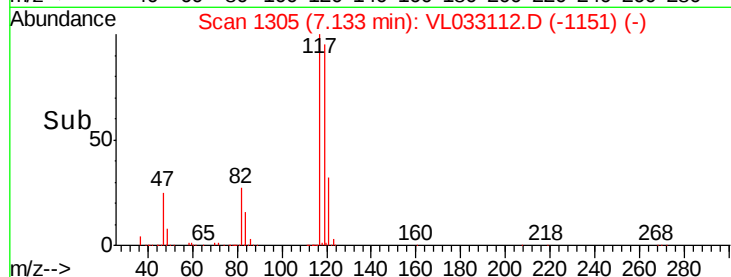
121 31.8 25.2 37.8



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: 10.333 ppbv

RT: 7.00 min Scan# 1265

Delta R.T. -0.01 min

Lab File: VL033112.D

Acq: 17 Jan 2019 4:29

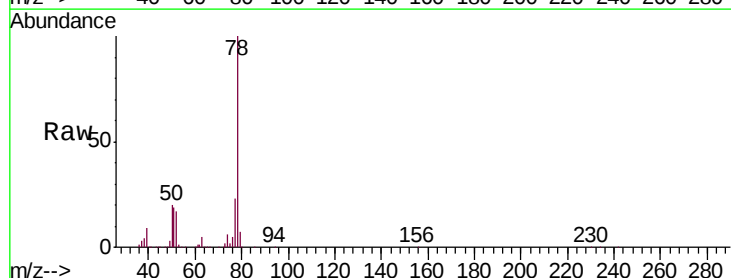
Tgt Ion: 78 Resp: 2385104

Ion Ratio Lower Upper

78 100

77 22.6 18.5 27.7

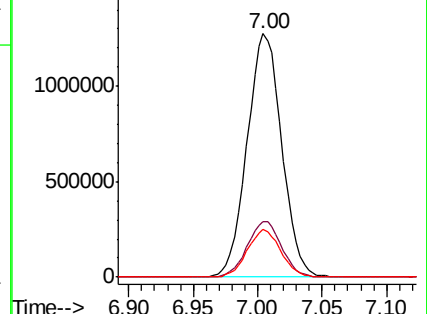
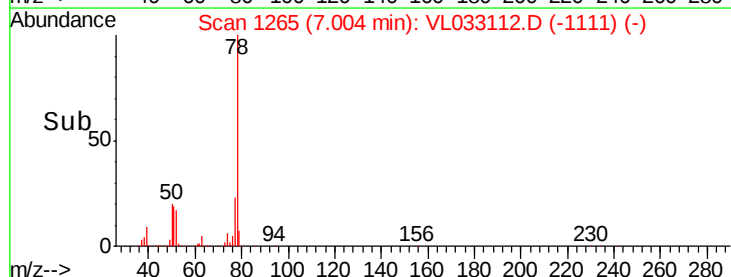
50 19.5 15.7 23.5

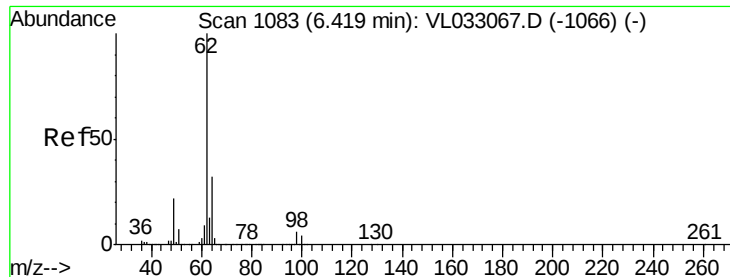


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

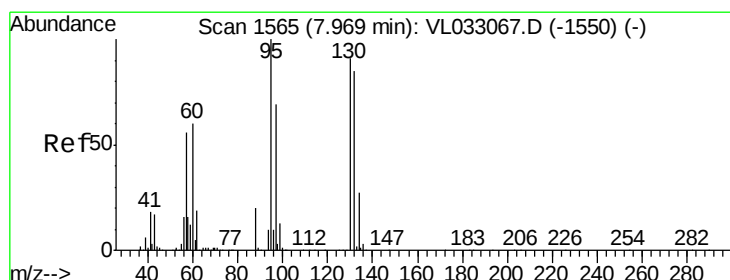
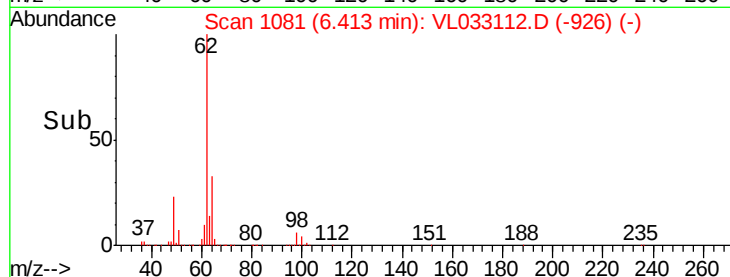
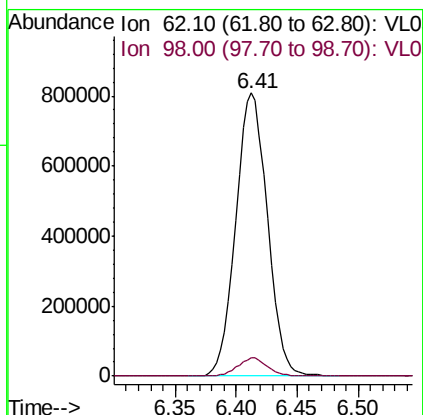
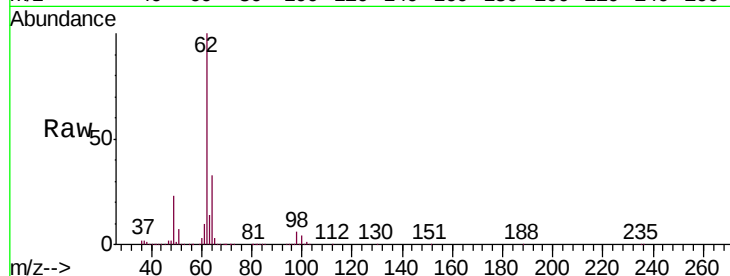




#37
 1,2-Dichloroethane
 Concen: 8.992 ppbv
 RT: 6.41 min Scan# 1081
 Delta R.T. -0.00 min
 Lab File: VL033112.D
 Acq: 17 Jan 2019 4:29

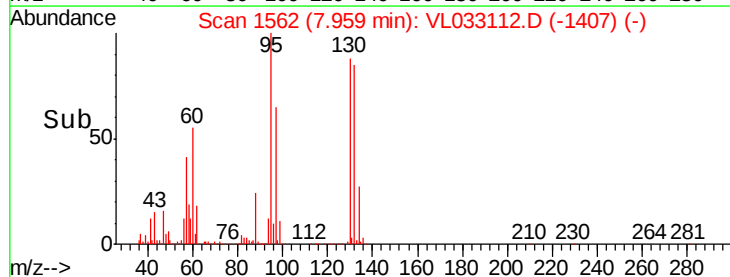
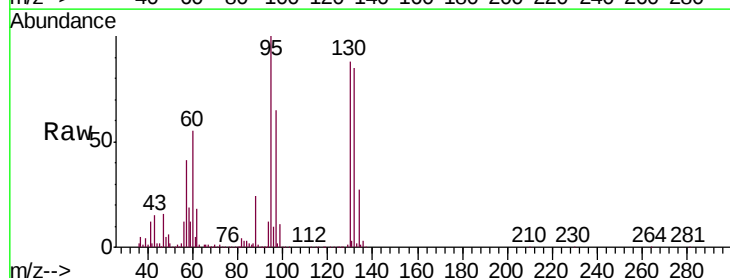
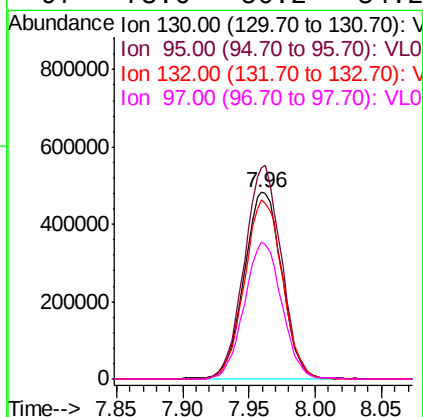
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

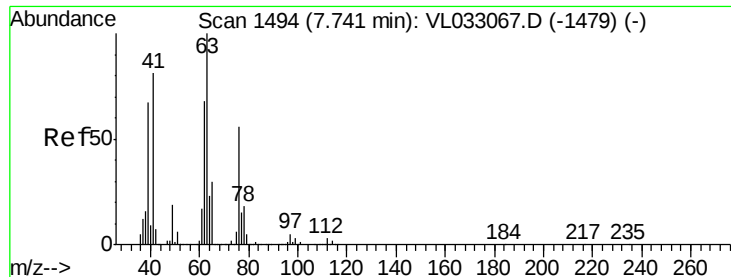
Tgt Ion: 62 Resp: 1449068
 Ion Ratio Lower Upper
 62 100
 98 6.0 4.6 7.0



#38
 Trichloroethene
 Concen: 10.015 ppbv
 RT: 7.96 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: VL033112.D
 Acq: 17 Jan 2019 4:29

Tgt Ion: 130 Resp: 950950
 Ion Ratio Lower Upper
 130 100
 95 113.7 88.6 132.8
 132 96.5 74.2 111.2
 97 73.6 56.2 84.2

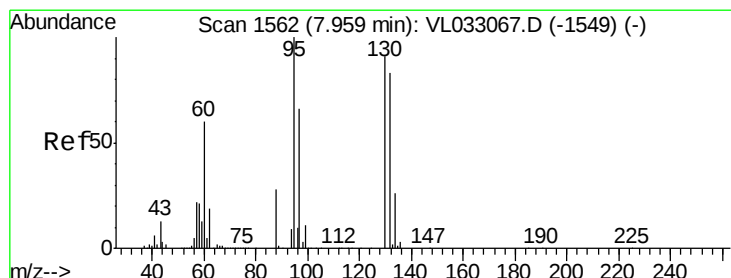
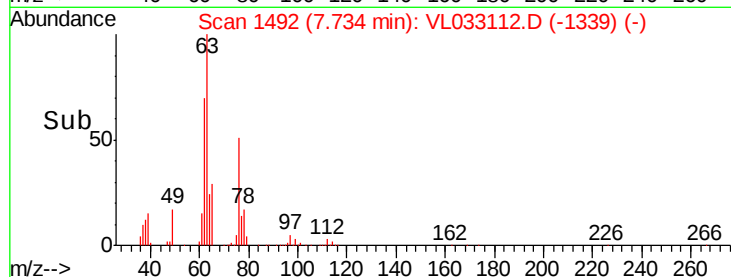
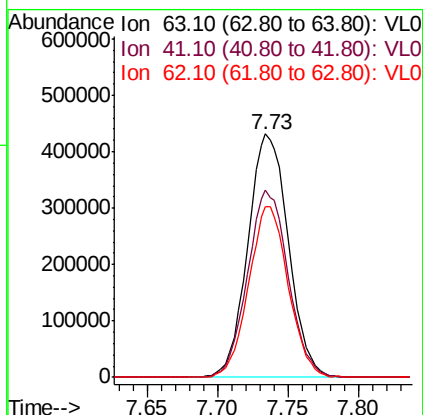
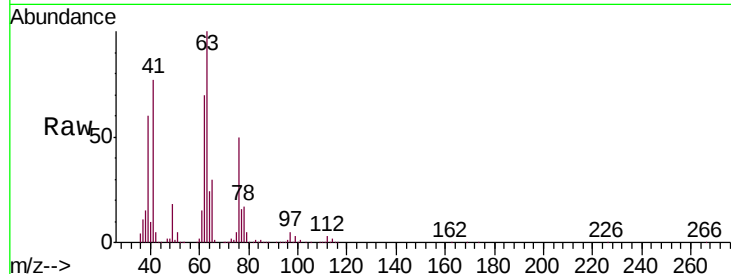




#39
 1,2-Dichloropropane
 Concen: 9.975 ppbv
 RT: 7.73 min Scan# 1492
 Delta R.T. -0.01 min
 Lab File: VL033112.D
 Acq: 17 Jan 2019 4:29

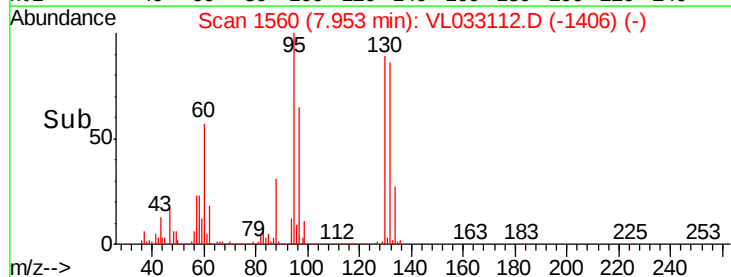
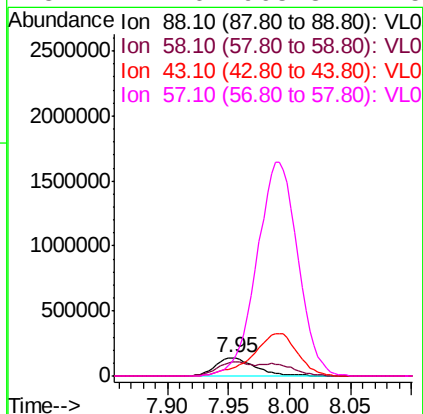
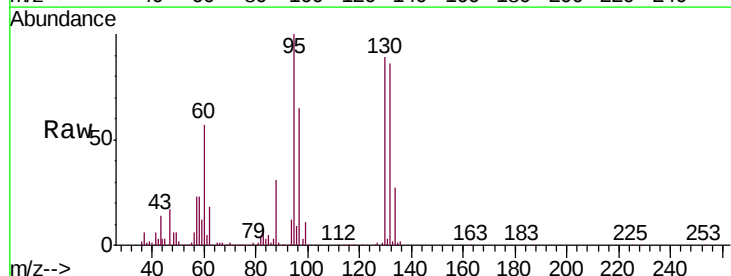
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

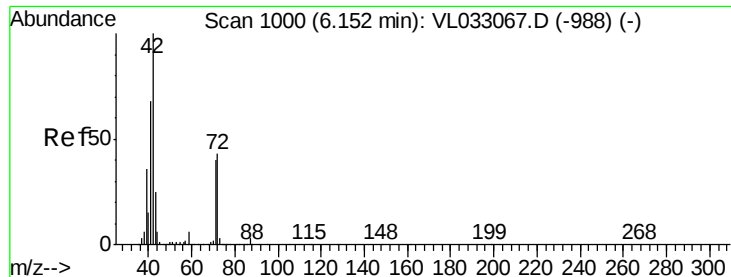
Tgt Ion	Ratio	Lower	Upper
63	100		
41	77.1	61.9	92.9
62	70.2	55.8	83.6



#40
 1,4-Dioxane
 Concen: 9.547 ppbv
 RT: 7.95 min Scan# 1560
 Delta R.T. -0.01 min
 Lab File: VL033112.D
 Acq: 17 Jan 2019 4:29

Tgt Ion	Ratio	Lower	Upper
88	100		
58	128.0	101.9	152.9
43	267.9	212.6	319.0
57	1224.6	963.8	1445.6





#41

Tetrahydrofuran

Concen: 10.474 ppbv

RT: 6.15 min Scan# 998

Delta R.T. -0.01 min

Lab File: VL033112.D

Acq: 17 Jan 2019 4:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

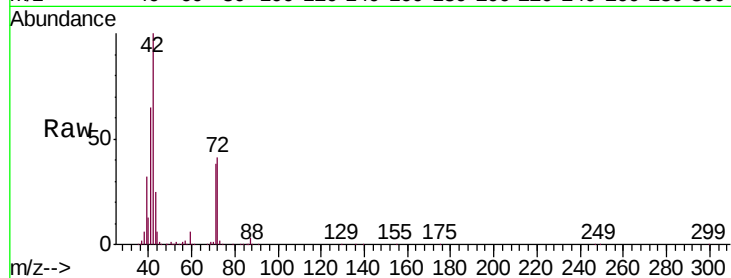
Tgt Ion: 42 Resp: 872793

Ion Ratio Lower Upper

42 100

72 42.2 32.9 49.3

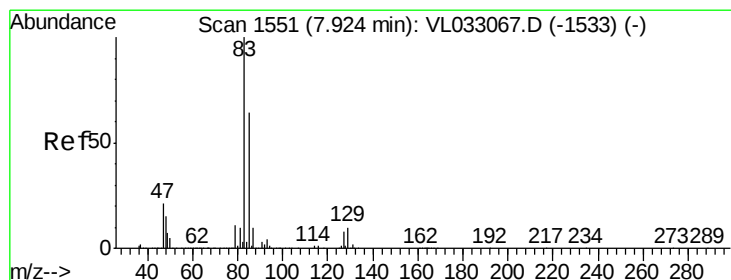
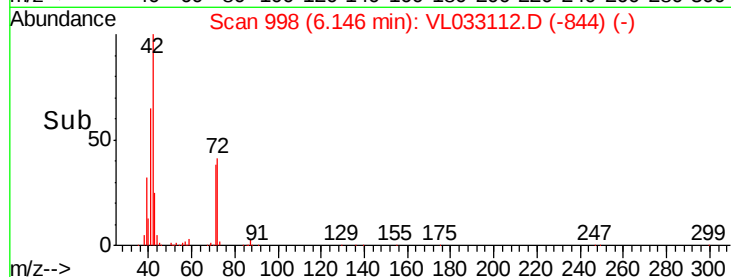
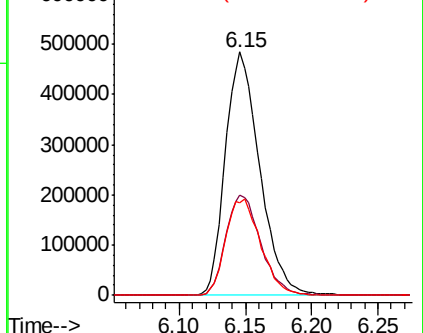
71 40.7 31.8 47.6



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 9.097 ppbv

RT: 7.92 min Scan# 1549

Delta R.T. -0.01 min

Lab File: VL033112.D

Acq: 17 Jan 2019 4:29

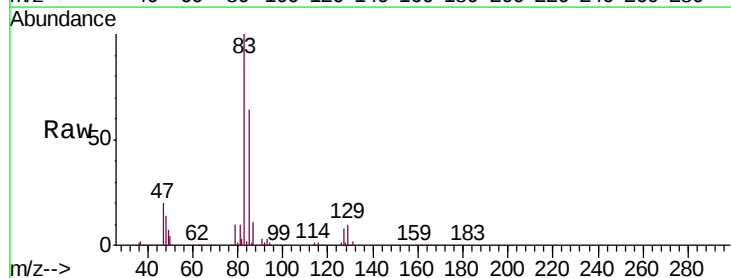
Tgt Ion: 83 Resp: 2014065

Ion Ratio Lower Upper

83 100

85 64.2 51.0 76.4

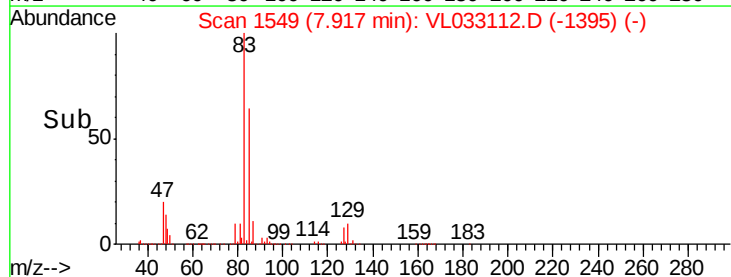
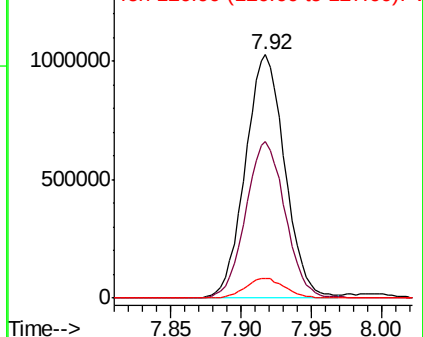
127 8.1 6.5 9.7

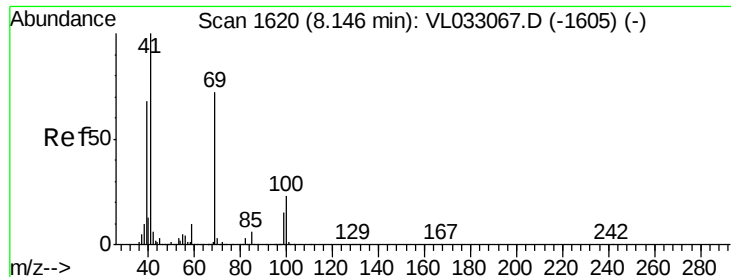


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 10.650 ppbv

RT: 8.14 min Scan# 1617

Delta R.T. -0.00 min

Lab File: VL033112.D

Acq: 17 Jan 2019 4:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

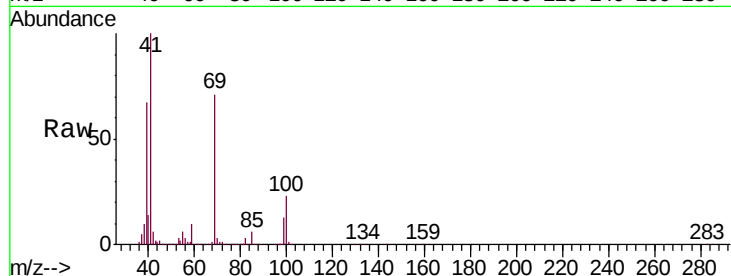
Tgt Ion: 69 Resp: 922384

Ion Ratio Lower Upper

69 100

41 142.7 114.0 171.0

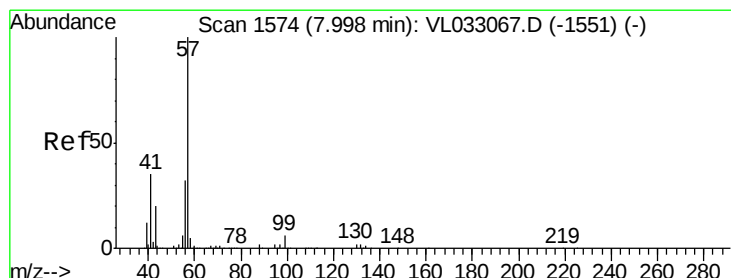
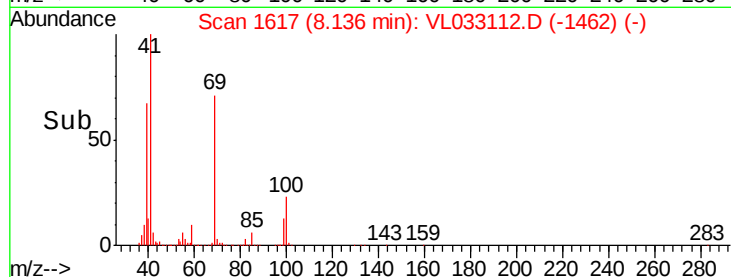
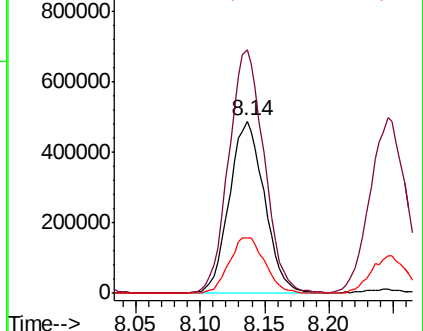
100 33.0 26.3 39.5



Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 9.833 ppbv

RT: 7.99 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VL033112.D

Acq: 17 Jan 2019 4:29

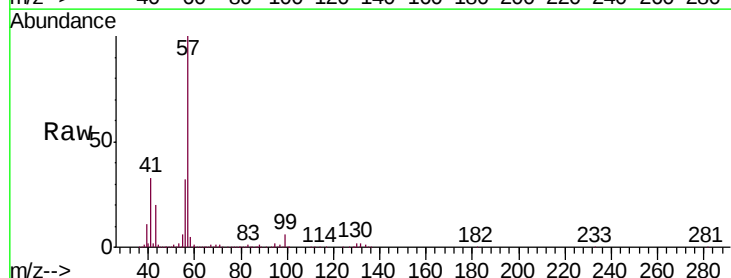
Tgt Ion: 57 Resp: 3843648

Ion Ratio Lower Upper

57 100

41 32.3 26.2 39.2

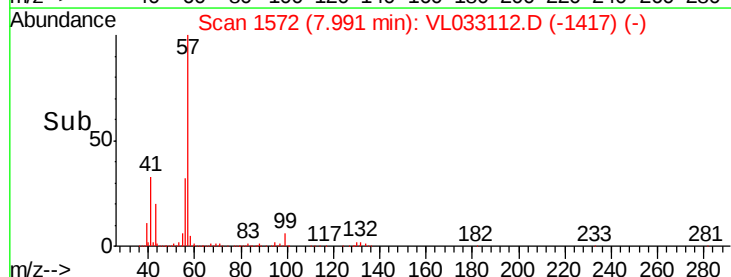
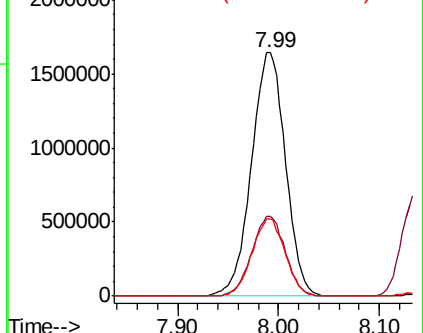
56 30.9 24.9 37.3

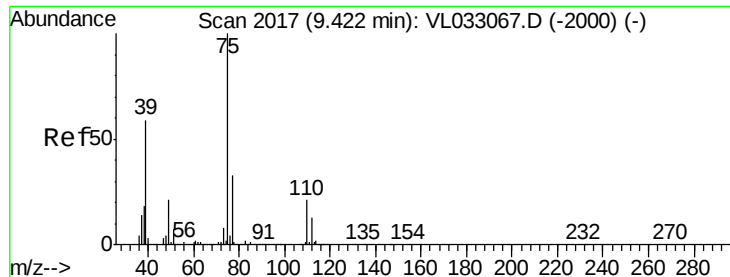


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 11.337 ppbv

RT: 9.41 min Scan# 2014

Delta R.T. -0.01 min

Lab File: VL033112.D

Acq: 17 Jan 2019 4:29

Instrument :

MSVOA_L

ClientSampleId :

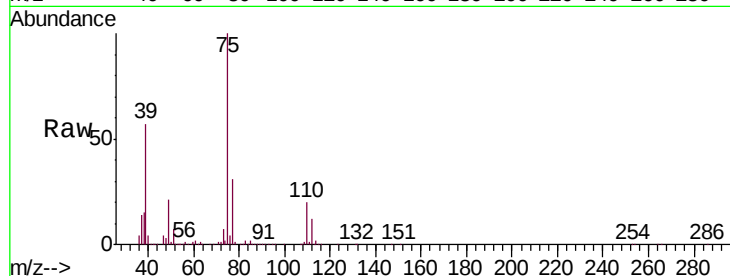
VSTDCCC010EC

Tgt Ion: 75 Resp: 1222267

Ion Ratio Lower Upper

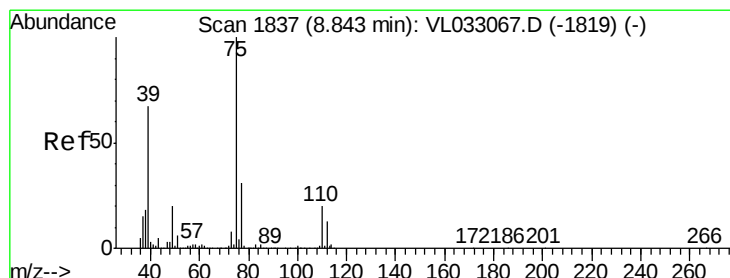
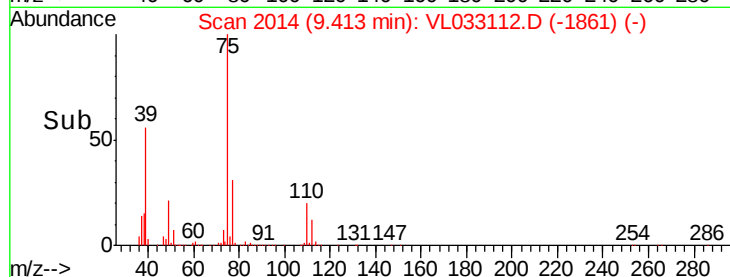
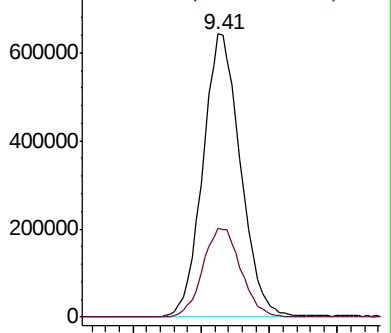
75 100

77 31.5 24.8 37.2



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 11.709 ppbv

RT: 8.83 min Scan# 1834

Delta R.T. -0.01 min

Lab File: VL033112.D

Acq: 17 Jan 2019 4:29

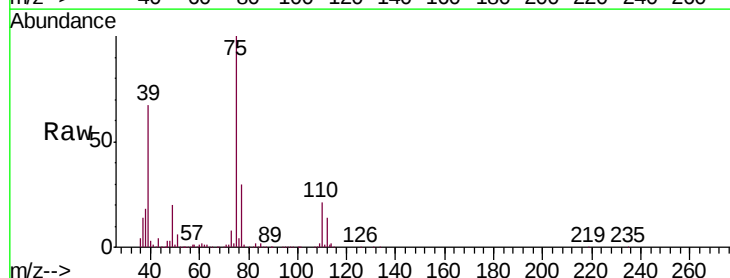
Tgt Ion: 75 Resp: 1440788

Ion Ratio Lower Upper

75 100

39 67.1 51.3 76.9

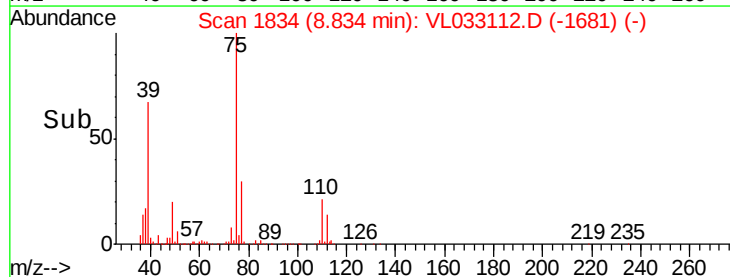
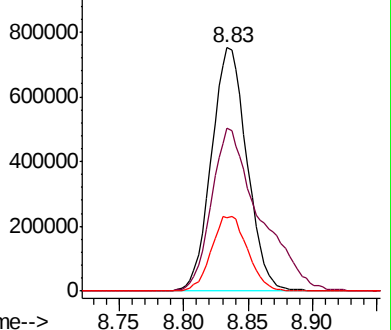
77 30.0 25.5 38.3

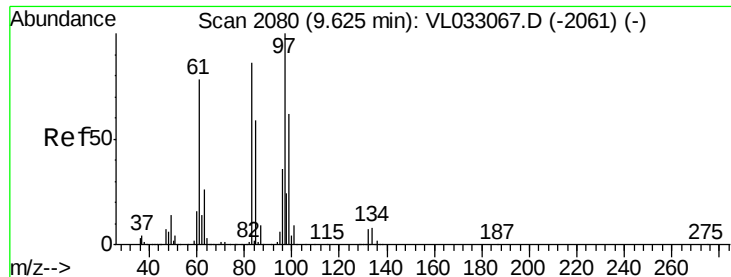


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

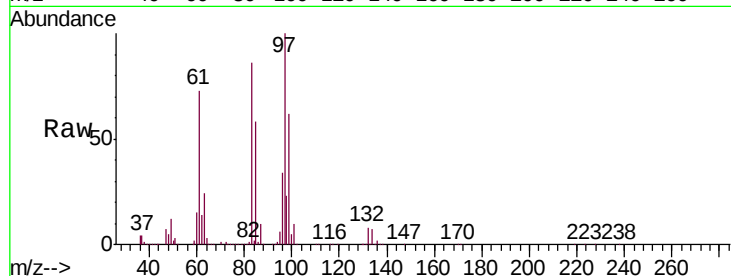




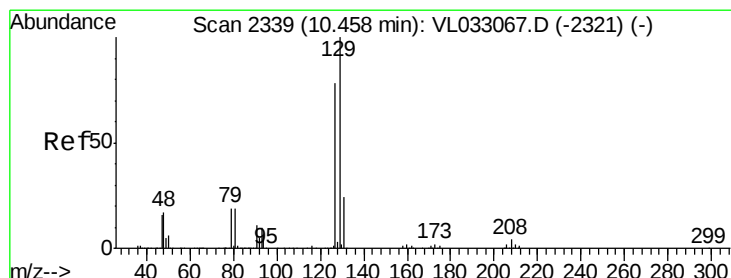
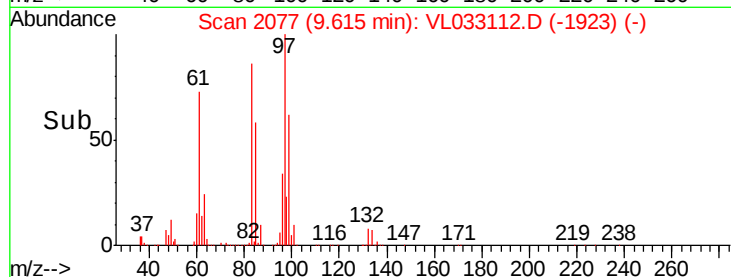
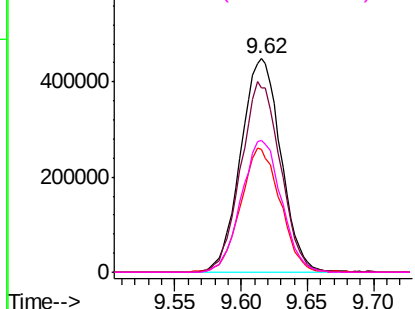
#47
 1,1,2-Trichloroethane
 Concen: 9.319 ppbv
 RT: 9.62 min Scan# 2077
 Delta R.T. -0.01 min
 Lab File: VL033112.D
 Acq: 17 Jan 2019 4:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 97 Resp: 944103
 Ion Ratio Lower Upper
 97 100
 83 86.3 69.4 104.2
 85 57.4 44.2 66.2
 99 61.9 48.9 73.3

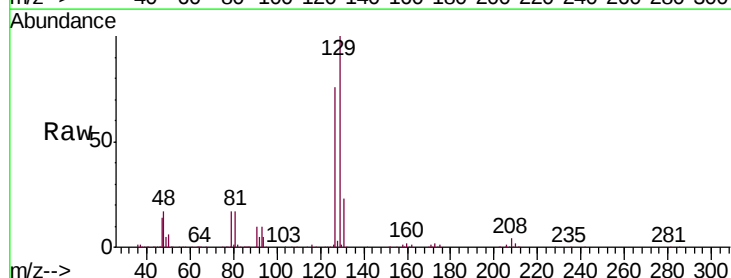


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

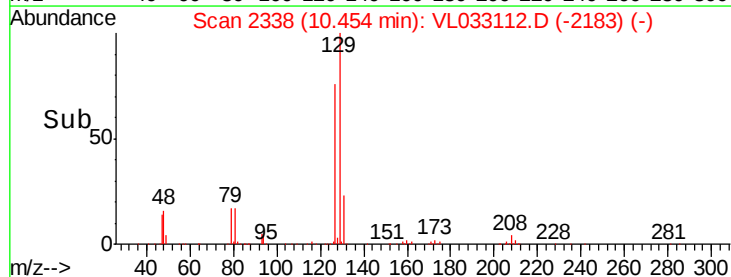
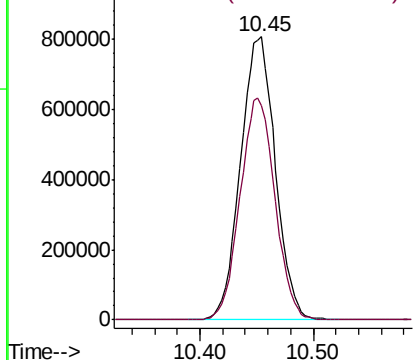


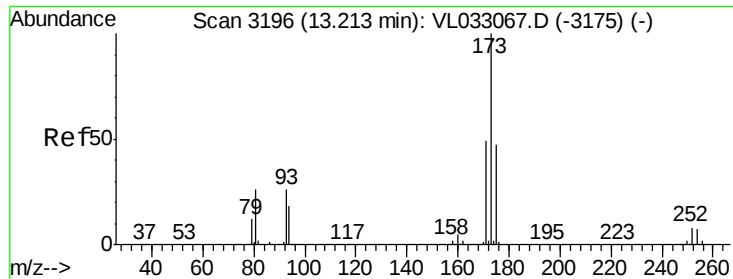
#48
 Dibromochloromethane
 Concen: 9.655 ppbv
 RT: 10.45 min Scan# 2338
 Delta R.T. -0.00 min
 Lab File: VL033112.D
 Acq: 17 Jan 2019 4:29

Tgt Ion: 129 Resp: 1728192
 Ion Ratio Lower Upper
 129 100
 127 78.4 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: 8.809 ppbv

RT: 13.20 min Scan# 3192

Delta R.T. -0.01 min

Lab File: VL033112.D

Acq: 17 Jan 2019 4:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

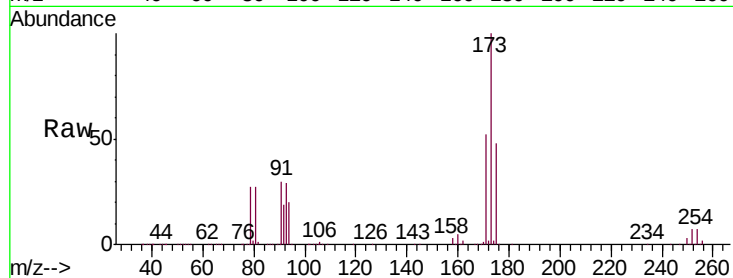
Tgt Ion:173 Resp: 1377543

Ion Ratio Lower Upper

173 100

175 48.8 39.4 59.2

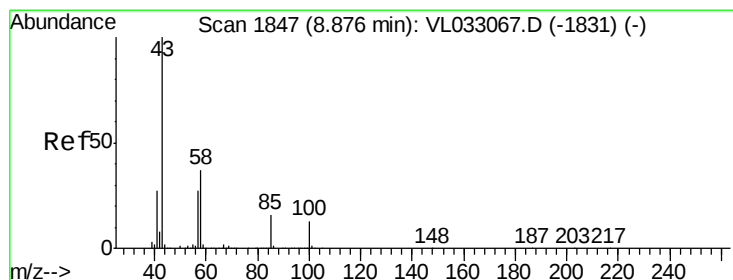
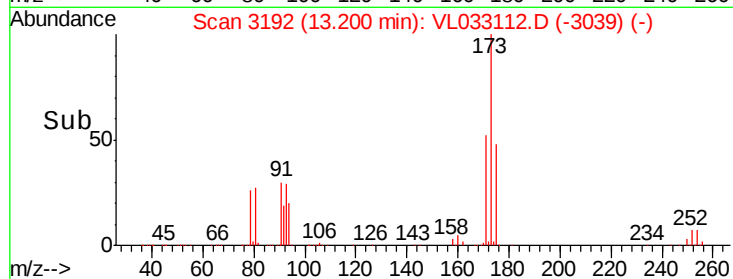
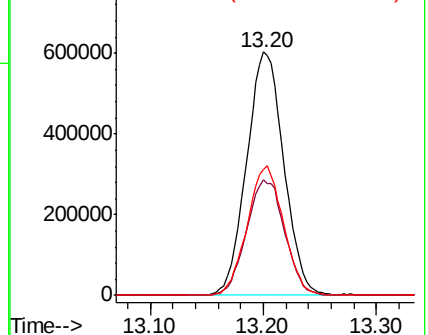
171 52.1 42.1 63.1



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: 10.368 ppbv

RT: 8.87 min Scan# 1844

Delta R.T. -0.01 min

Lab File: VL033112.D

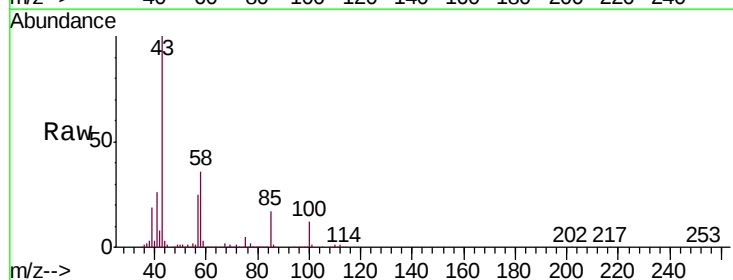
Acq: 17 Jan 2019 4:29

Tgt Ion: 43 Resp: 2150845

Ion Ratio Lower Upper

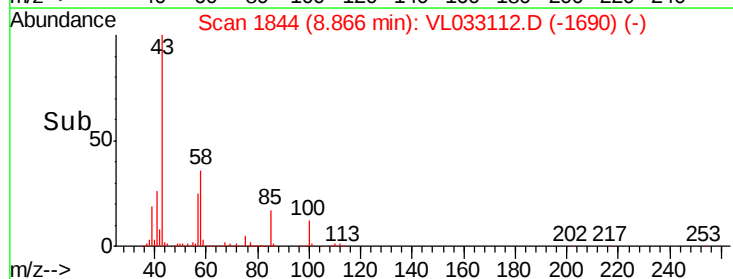
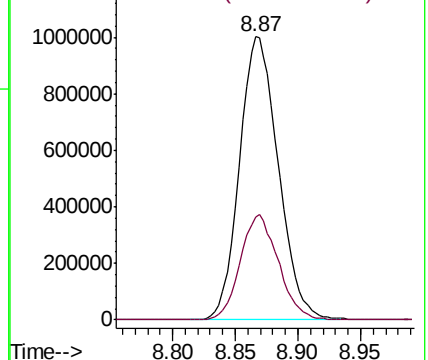
43 100

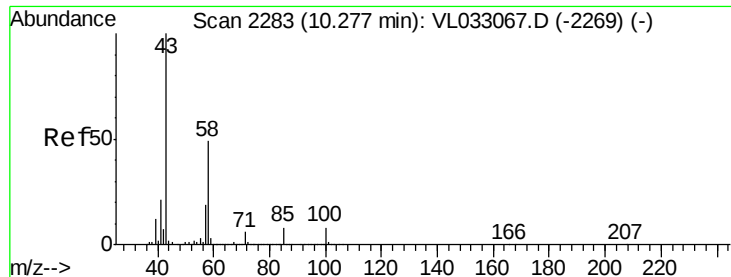
58 36.6 28.9 43.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

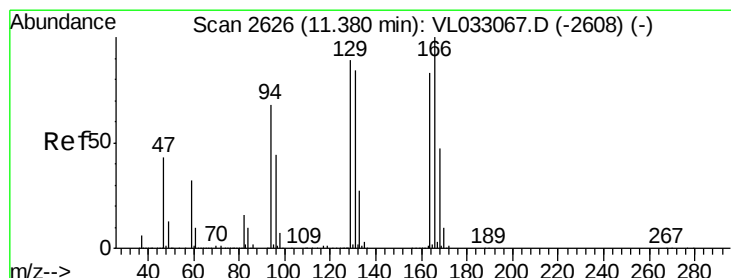
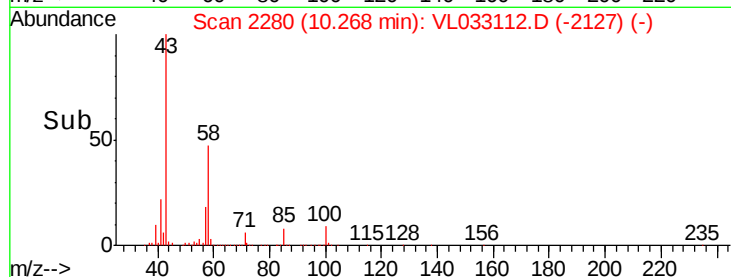
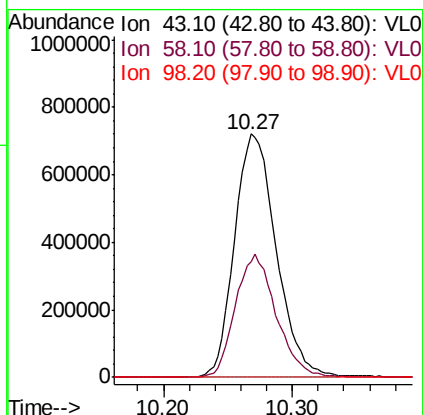
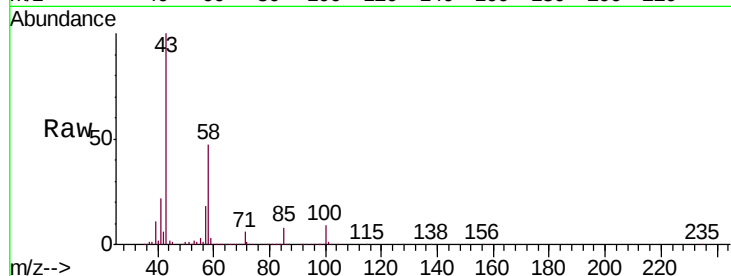




#51
2-Hexanone
Concen: 10.783 ppbv
RT: 10.27 min Scan# 2280
Delta R.T. -0.01 min
Lab File: VL033112.D
Acq: 17 Jan 2019 4:29

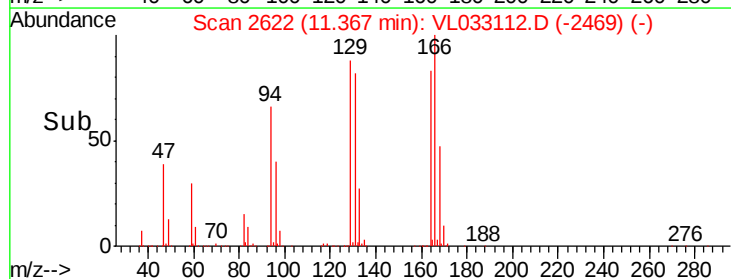
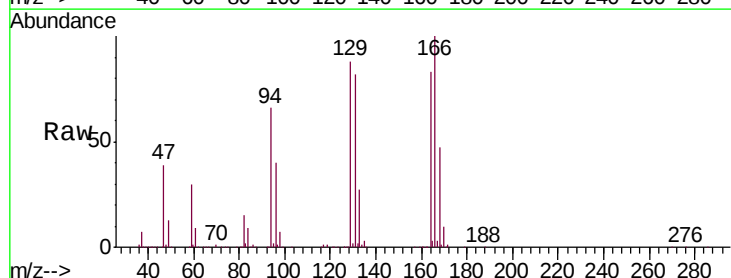
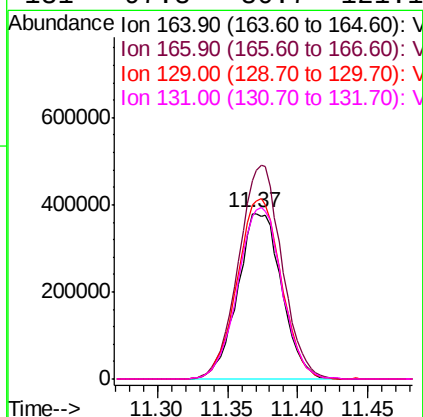
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

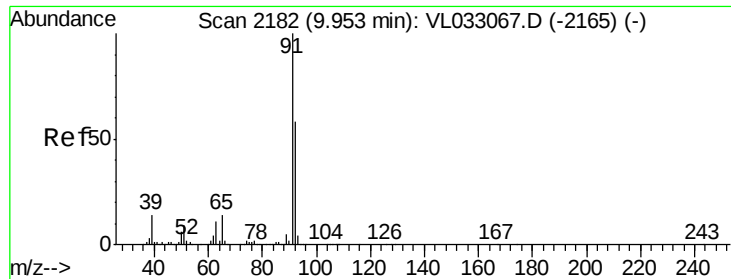
Tgt Ion: 43 Resp: 1618561
Ion Ratio Lower Upper
43 100
58 49.5 39.0 58.6
98 0.3 0.4 0.6#



#52
Tetrachloroethene
Concen: 10.112 ppbv
RT: 11.37 min Scan# 2622
Delta R.T. -0.01 min
Lab File: VL033112.D
Acq: 17 Jan 2019 4:29

Tgt Ion: 164 Resp: 825022
Ion Ratio Lower Upper
164 100
166 119.9 100.8 151.2
129 105.1 84.6 126.8
131 97.8 80.7 121.1





#53

Toluene

Concen: 10.827 ppbv

RT: 9.95 min Scan# 2180

Delta R.T. -0.01 min

Lab File: VL033112.D

Acq: 17 Jan 2019 4:29

Instrument :

MSVOA_L

ClientSampleId :

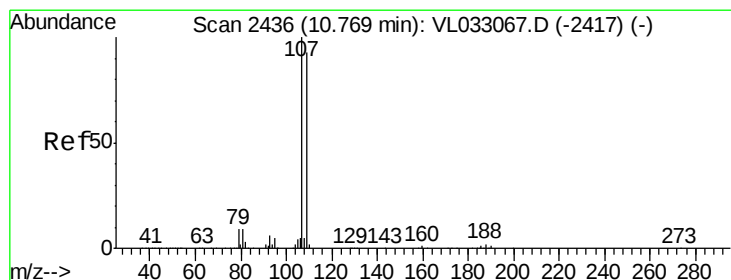
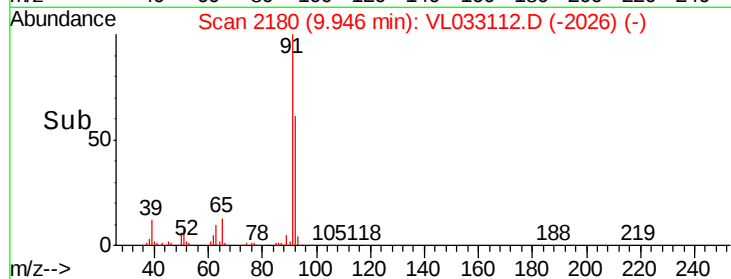
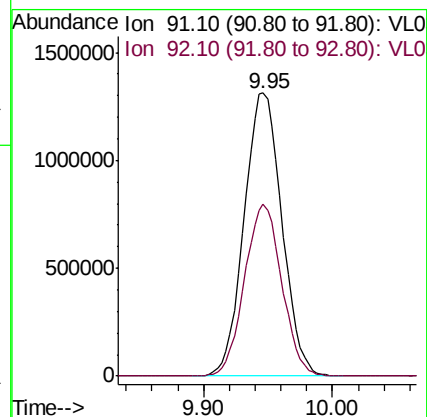
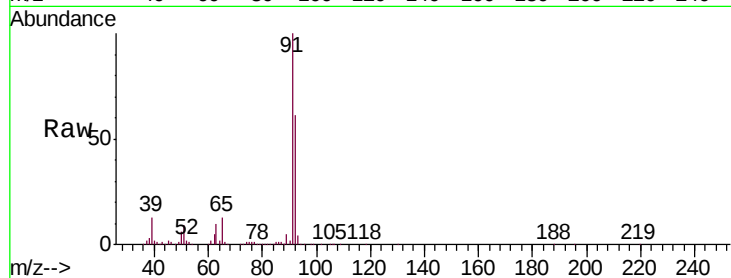
VSTDCCC010EC

Tgt Ion: 91 Resp: 2678170

Ion Ratio Lower Upper

91 100

92 60.0 47.7 71.5



#54

1,2-Dibromoethane

Concen: 9.949 ppbv

RT: 10.76 min Scan# 2433

Delta R.T. -0.01 min

Lab File: VL033112.D

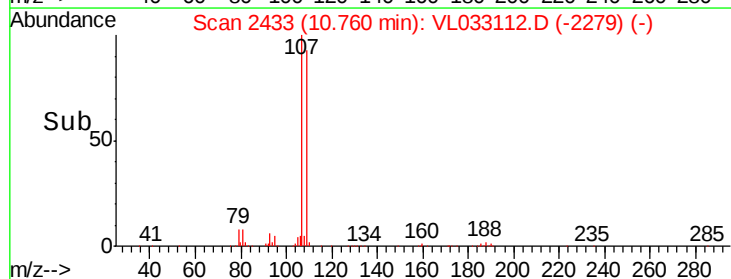
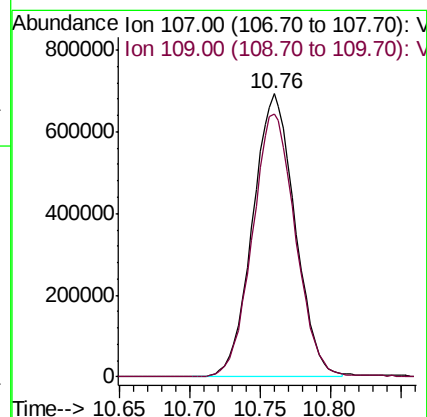
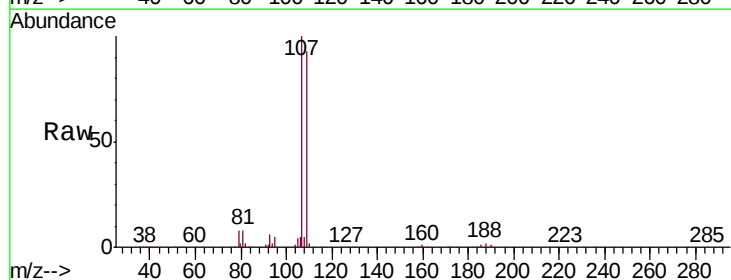
Acq: 17 Jan 2019 4:29

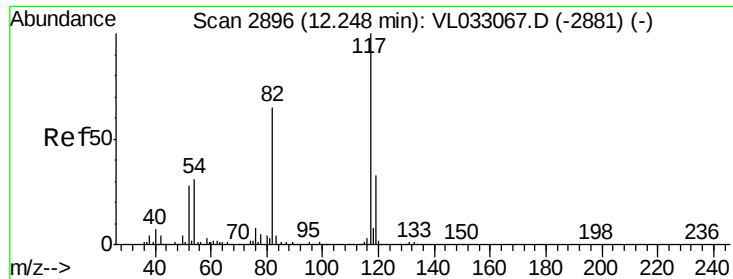
Tgt Ion: 107 Resp: 1452184

Ion Ratio Lower Upper

107 100

109 92.8 74.9 112.3

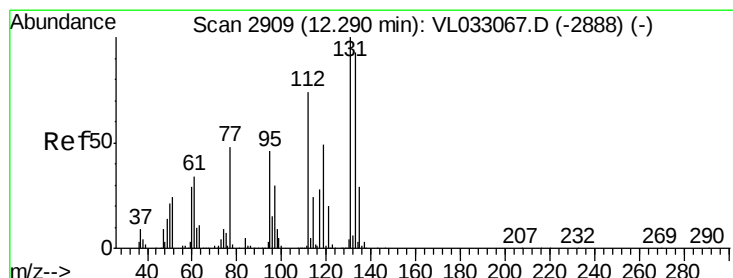
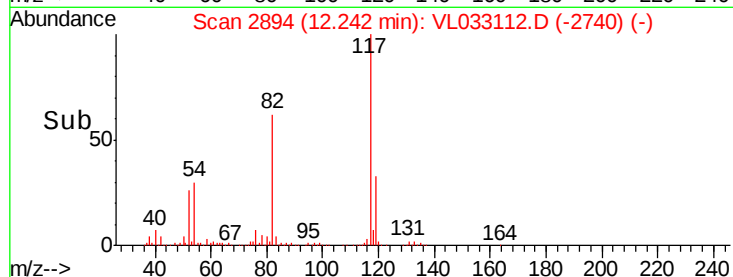
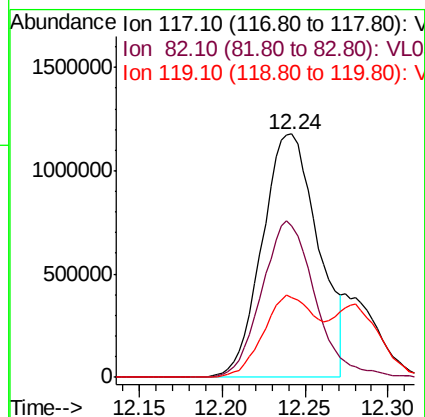
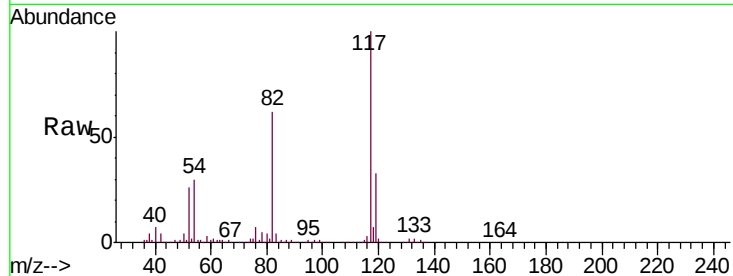




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.01 min
Lab File: VL033112.D
Acq: 17 Jan 2019 4:29

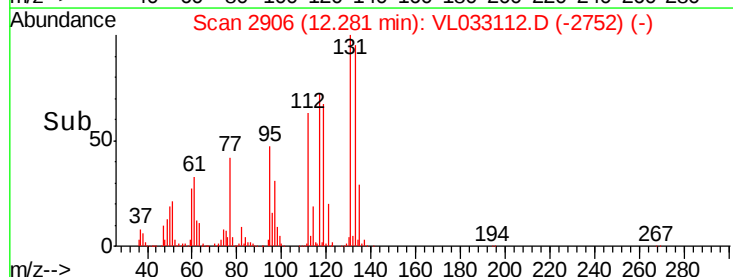
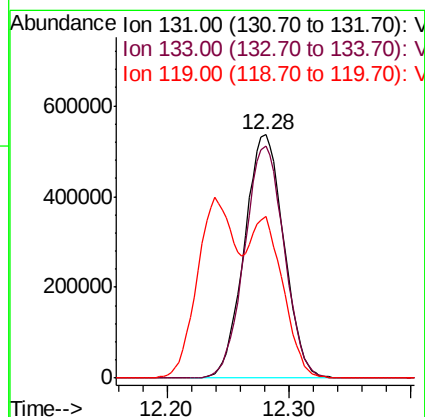
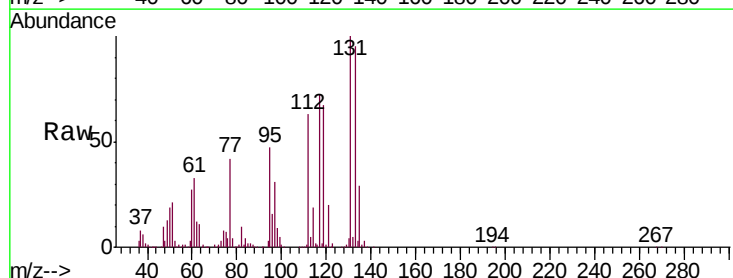
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

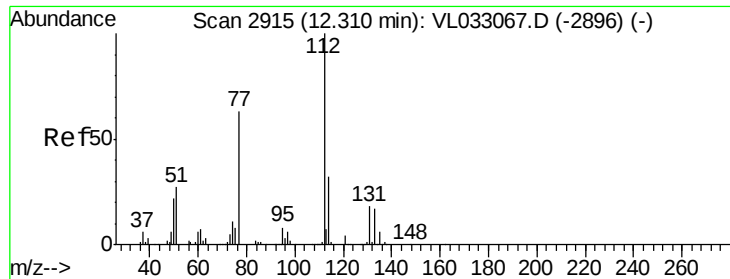
Tgt Ion:117 Resp: 2767887
Ion Ratio Lower Upper
117 100
82 61.6 48.9 73.3
119 33.3 24.6 37.0



#56
1,1,1,2-Tetrachloroethane
Concen: 8.381 ppbv
RT: 12.28 min Scan# 2906
Delta R.T. -0.01 min
Lab File: VL033112.D
Acq: 17 Jan 2019 4:29

Tgt Ion:131 Resp: 1198585
Ion Ratio Lower Upper
131 100
133 95.6 76.0 114.0
119 54.5 44.2 66.2

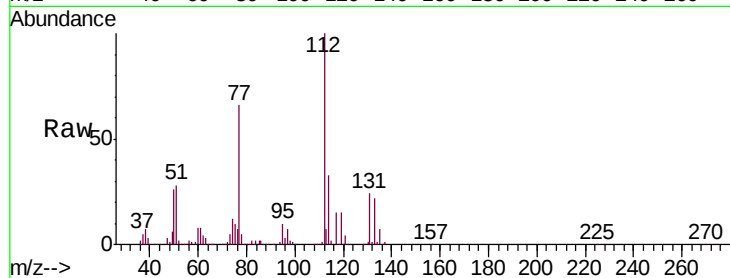




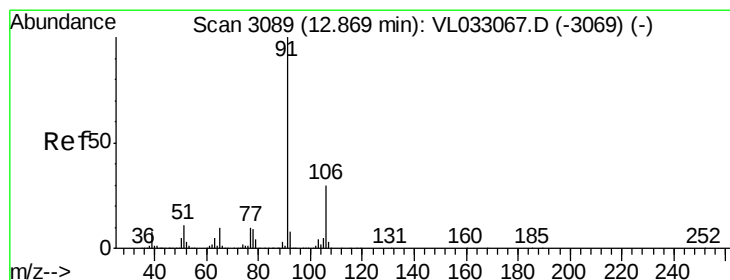
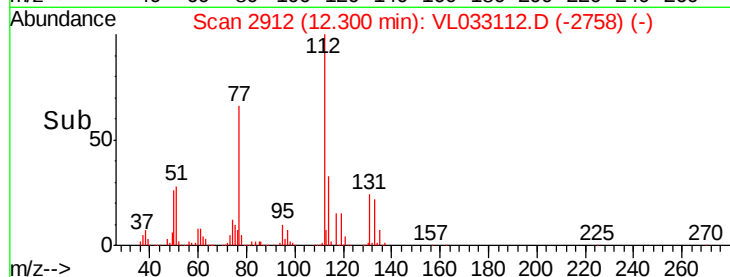
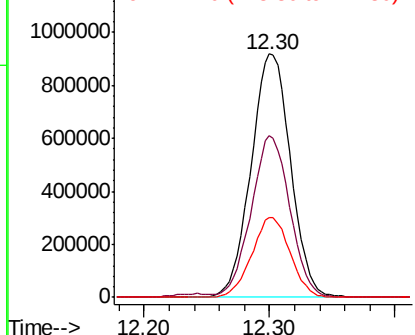
#57
Chlorobenzene
Concen: 8.706 ppbv
RT: 12.30 min Scan# 2912
Delta R.T. -0.01 min
Lab File: VL033112.D
Acq: 17 Jan 2019 4:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 112 Resp: 2011303
Ion Ratio Lower Upper
112 100
77 65.9 53.4 80.0
114 32.6 30.0 36.6

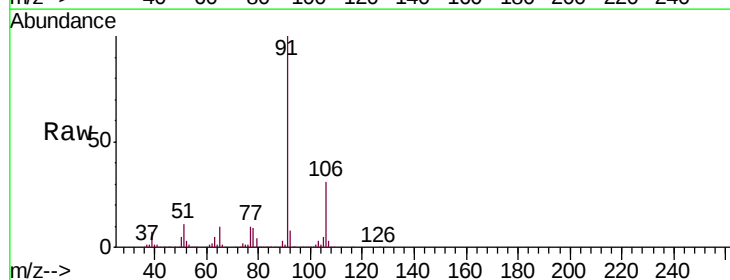


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

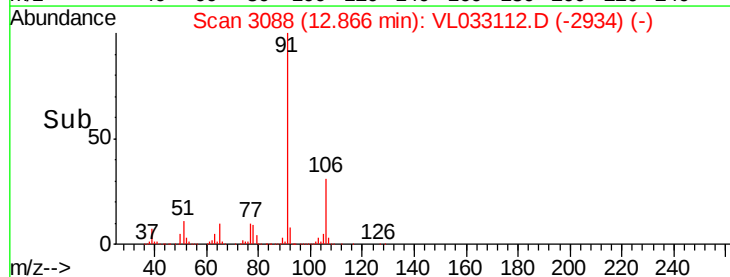
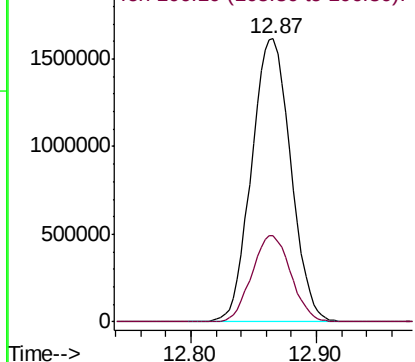


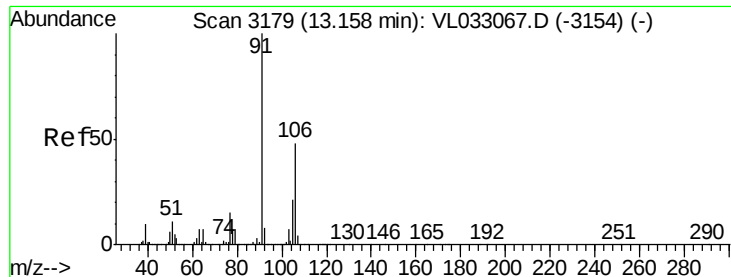
#58
Ethyl Benzene
Concen: 10.073 ppbv
RT: 12.87 min Scan# 3088
Delta R.T. -0.01 min
Lab File: VL033112.D
Acq: 17 Jan 2019 4:29

Tgt Ion: 91 Resp: 3520034
Ion Ratio Lower Upper
91 100
106 30.6 24.3 36.5



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





#59

m/p-Xylene

Concen: 9.164 ppbv

RT: 13.12 min Scan# 3168

Delta R.T. -0.01 min

Lab File: VL033112.D

Acq: 17 Jan 2019 4:29

Instrument :

MSVOA_L

ClientSampleId :

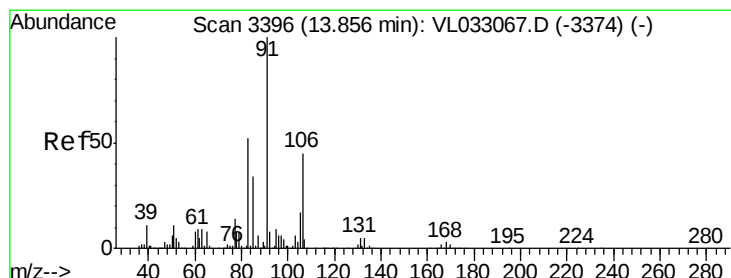
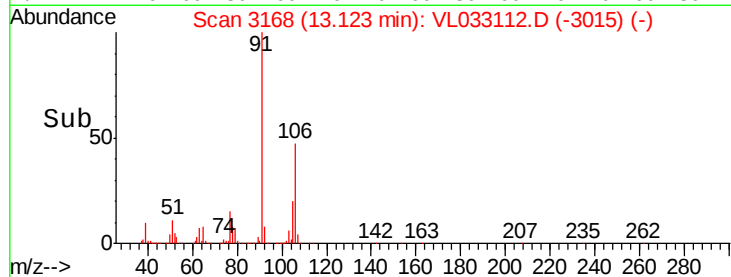
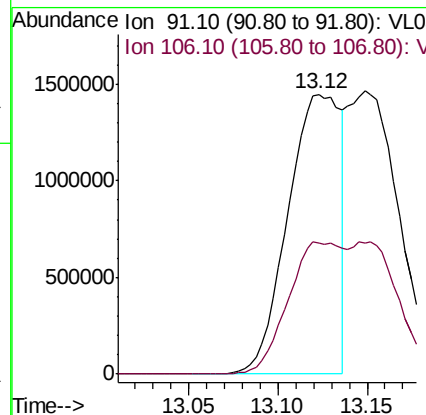
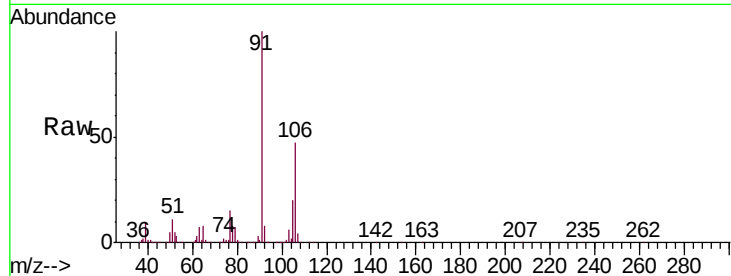
VSTDCCC010EC

Tgt Ion: 91 Resp: 2962654

Ion Ratio Lower Upper

91 100

106 92.1 0.0 0.0#



#60

o-Xylene

Concen: 8.944 ppbv

RT: 13.85 min Scan# 3394

Delta R.T. -0.01 min

Lab File: VL033112.D

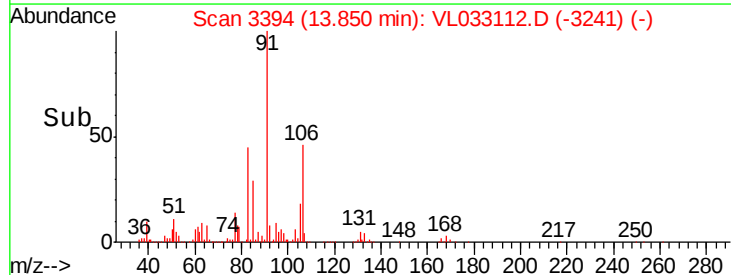
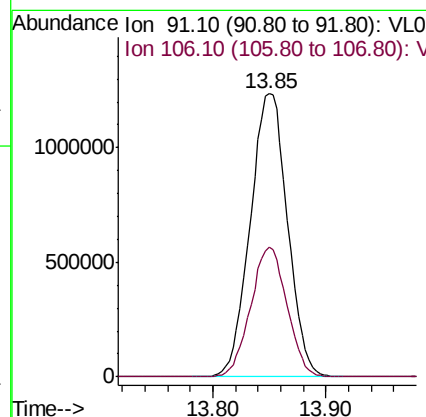
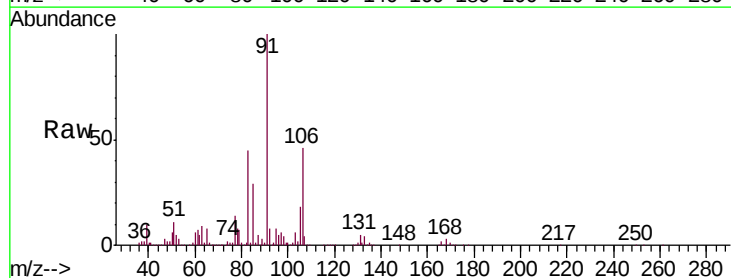
Acq: 17 Jan 2019 4:29

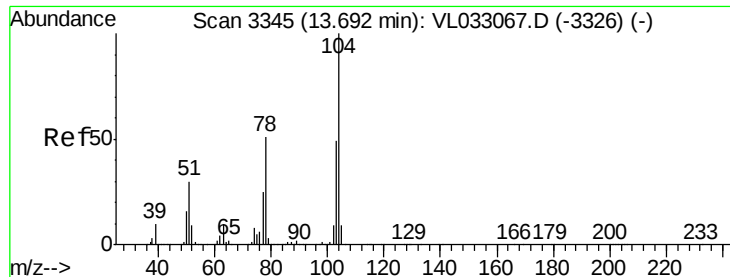
Tgt Ion: 91 Resp: 2830580

Ion Ratio Lower Upper

91 100

106 44.7 22.1 66.5





#61

Styrene

Concen: 10.488 ppbv

RT: 13.69 min Scan# 3343

Delta R.T. -0.01 min

Lab File: VL033112.D

Acq: 17 Jan 2019 4:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

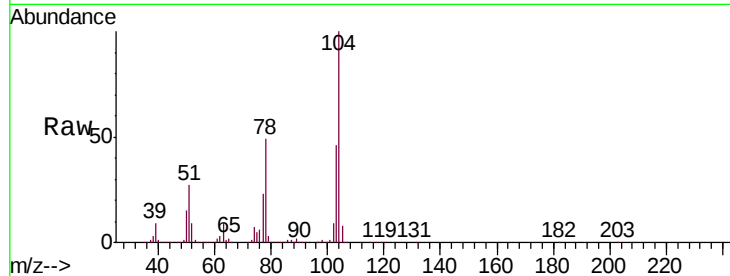
Tgt Ion:104 Resp: 2118051

Ion Ratio Lower Upper

104 100

78 51.0 41.6 62.4

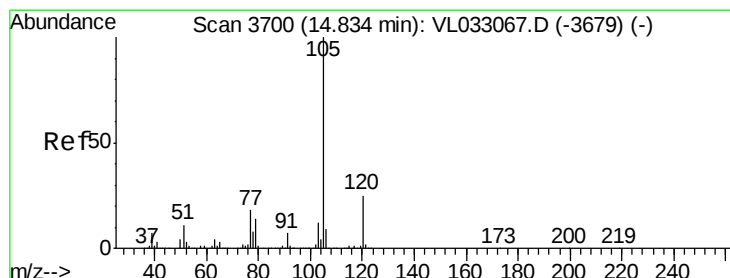
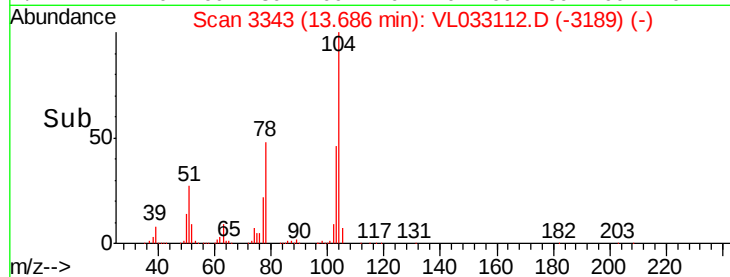
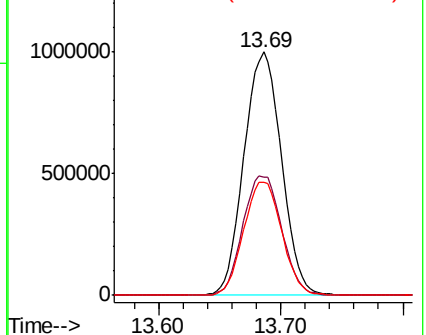
103 47.4 38.1 57.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.845 ppbv

RT: 14.83 min Scan# 3698

Delta R.T. -0.01 min

Lab File: VL033112.D

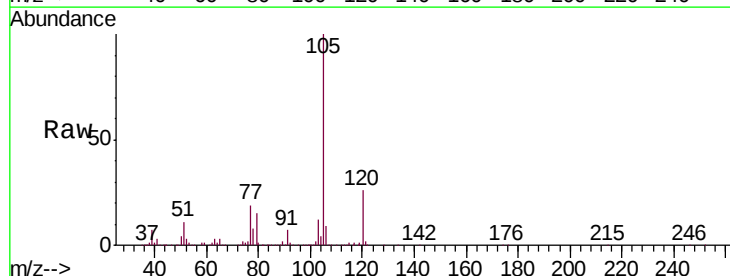
Acq: 17 Jan 2019 4:29

Tgt Ion:105 Resp: 3983998

Ion Ratio Lower Upper

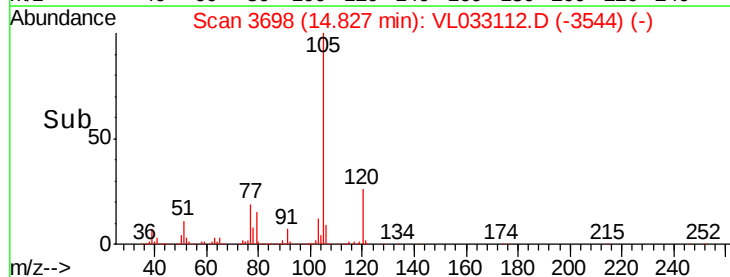
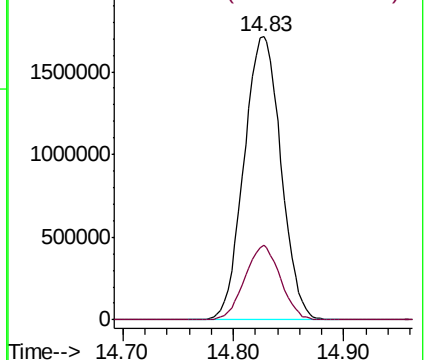
105 100

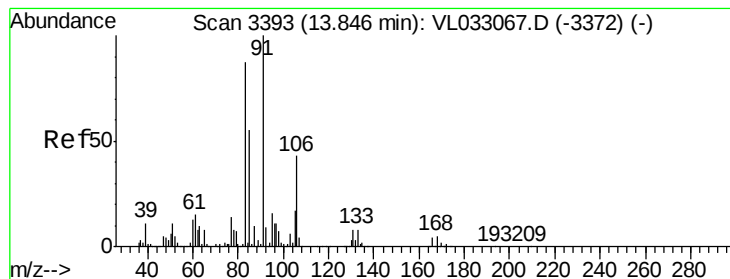
120 25.3 20.4 30.6



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: 7.923 ppbv

RT: 13.84 min Scan# 3390

Delta R.T. -0.01 min

Lab File: VL033112.D

Acq: 17 Jan 2019 4:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

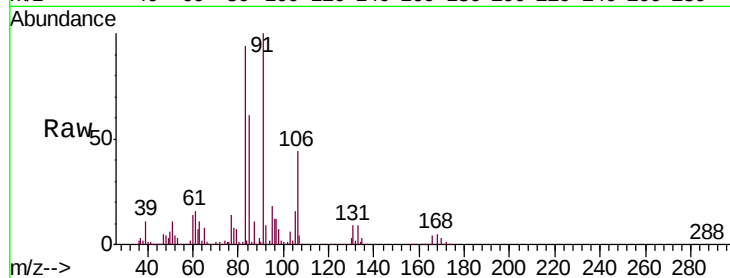
Tgt Ion: 83 Resp: 1862734

Ion Ratio Lower Upper

83 100

131 9.9 4.8 14.4

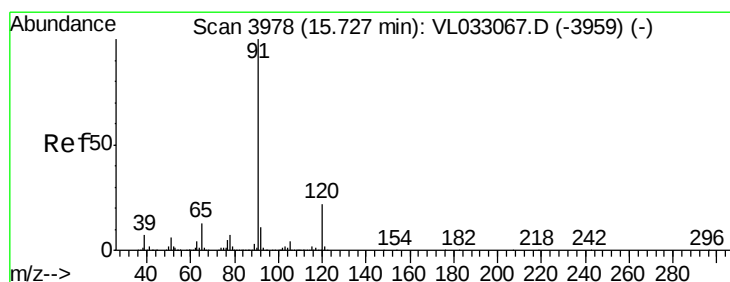
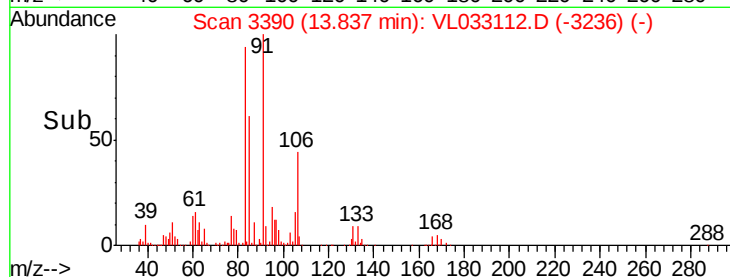
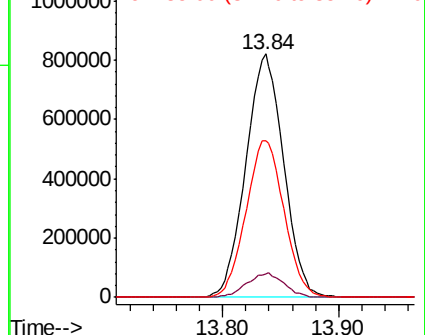
85 65.2 32.6 97.8



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 8.869 ppbv

RT: 15.72 min Scan# 3977

Delta R.T. -0.00 min

Lab File: VL033112.D

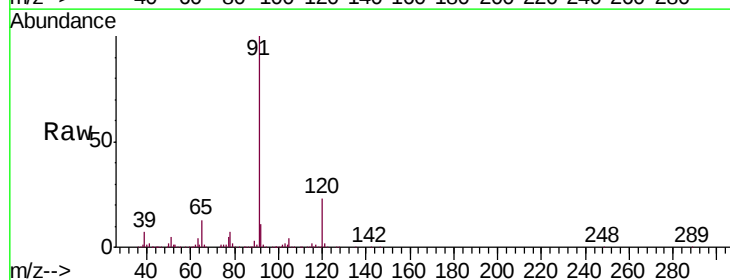
Acq: 17 Jan 2019 4:29

Tgt Ion: 120 Resp: 1014819

Ion Ratio Lower Upper

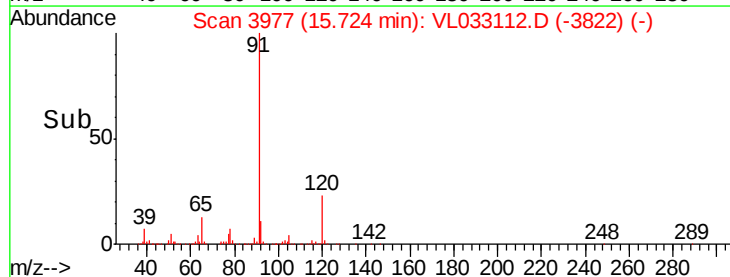
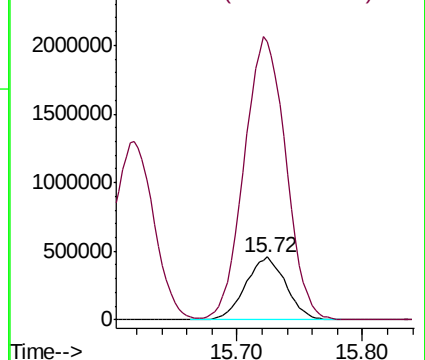
120 100

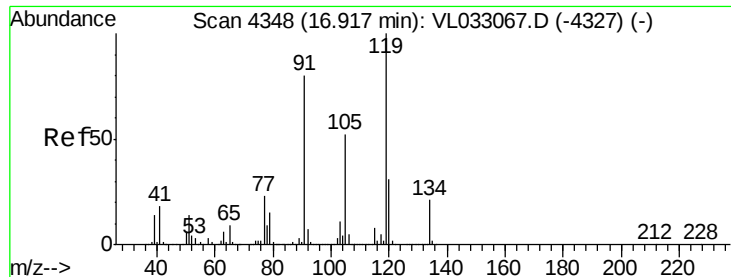
91 468.5 378.7 568.1



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

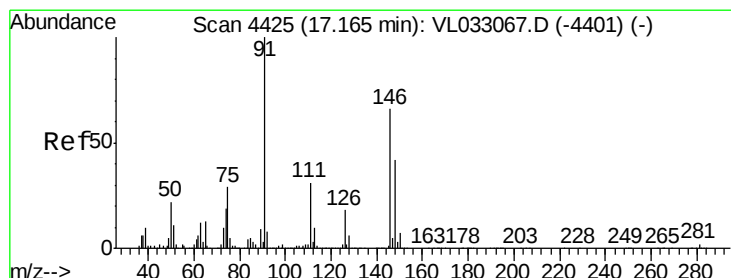
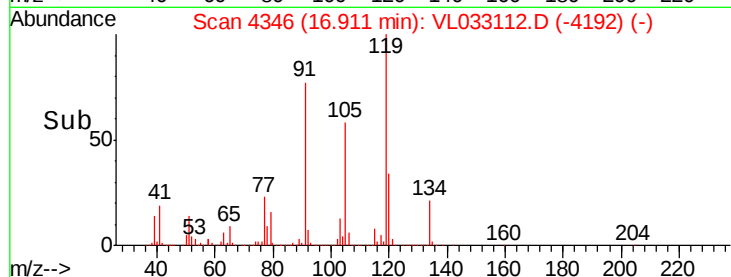
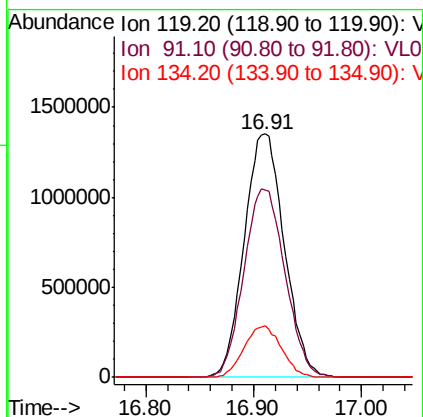
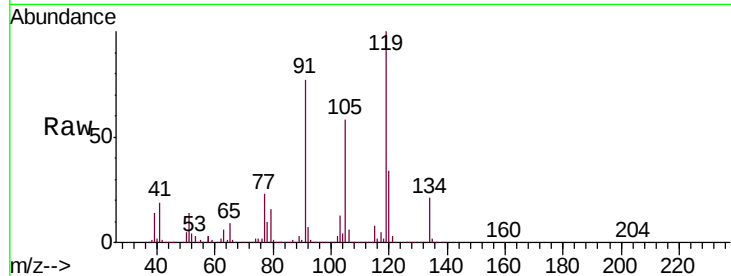




#65
tert-Butylbenzene
Concen: 8.768 ppbv
RT: 16.91 min Scan# 4346
Delta R.T. -0.01 min
Lab File: VL033112.D
Acq: 17 Jan 2019 4:29

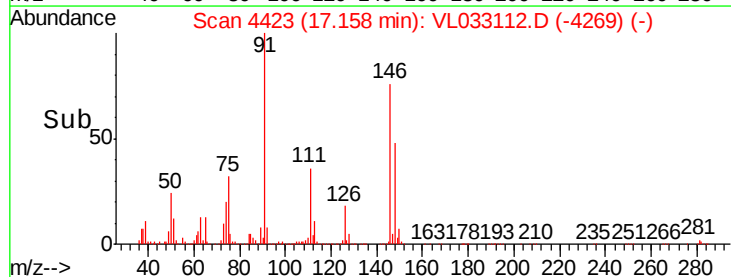
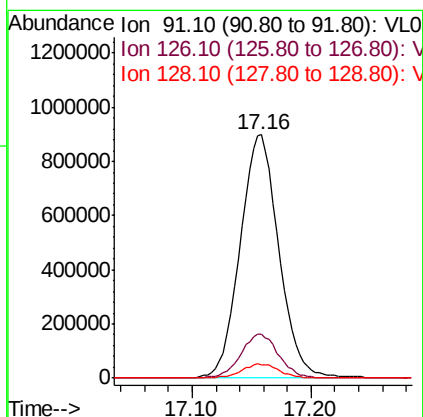
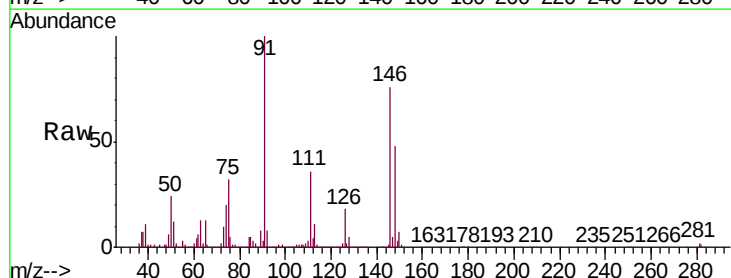
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

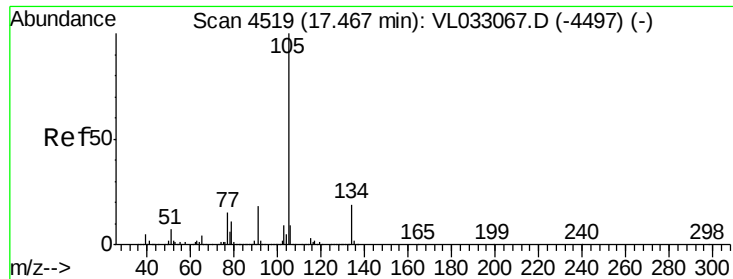
Tgt Ion: 119 Resp: 3498115
Ion Ratio Lower Upper
119 100
91 79.6 64.6 97.0
134 19.8 15.8 23.8



#66
Benzyl Chloride
Concen: 8.851 ppbv
RT: 17.16 min Scan# 4423
Delta R.T. -0.01 min
Lab File: VL033112.D
Acq: 17 Jan 2019 4:29

Tgt Ion: 91 Resp: 2012473
Ion Ratio Lower Upper
91 100
126 17.9 14.4 21.6
128 5.7 4.5 6.7

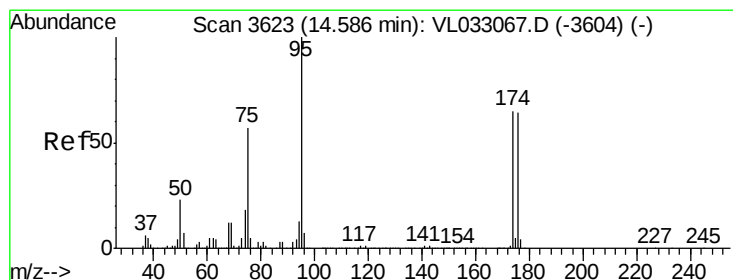
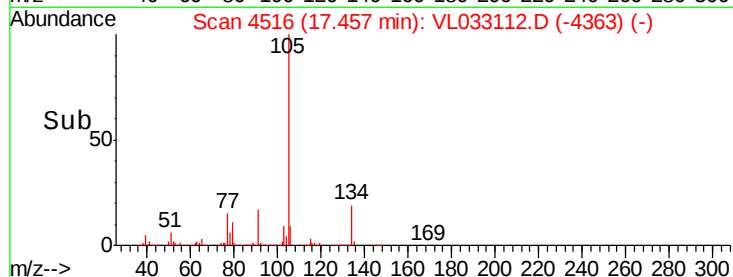
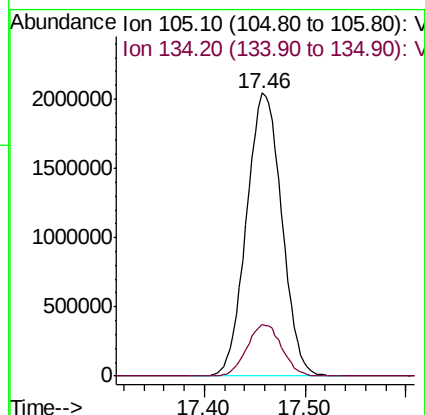
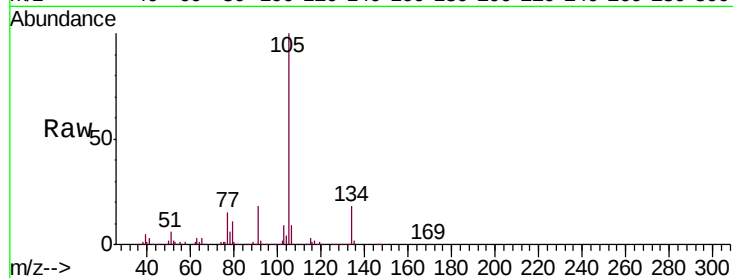




#67
 sec-Butylbenzene
 Concen: 8.675 ppbv
 RT: 17.46 min Scan# 4516
 Delta R.T. -0.01 min
 Lab File: VL033112.D
 Acq: 17 Jan 2019 4:29

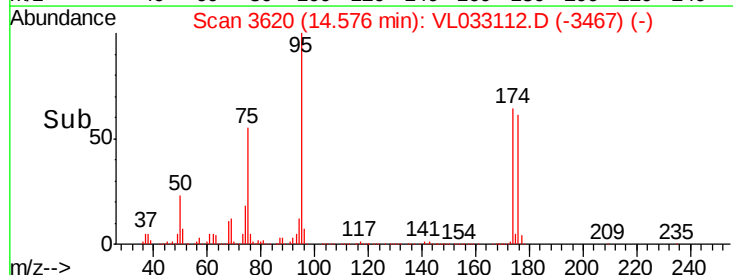
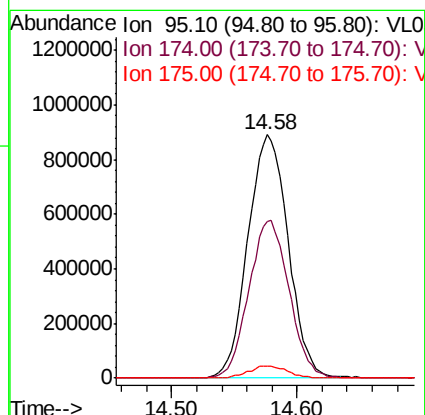
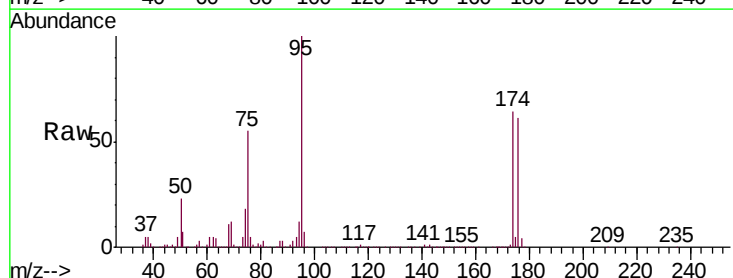
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

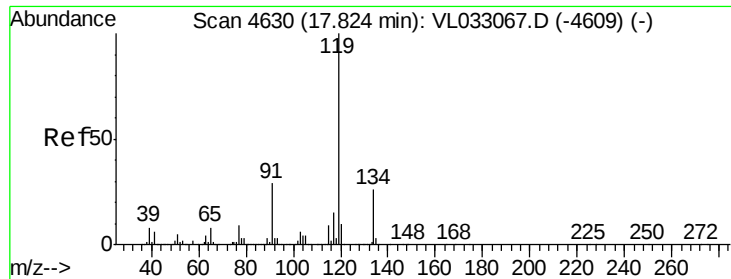
Tgt Ion: 105 Resp: 4952625
 Ion Ratio Lower Upper
 105 100
 134 18.0 14.6 21.8



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.369 ppbv
 RT: 14.58 min Scan# 3620
 Delta R.T. -0.01 min
 Lab File: VL033112.D
 Acq: 17 Jan 2019 4:29

Tgt Ion: 95 Resp: 1987756
 Ion Ratio Lower Upper
 95 100
 174 65.2 51.9 77.9
 175 4.9 3.9 5.9

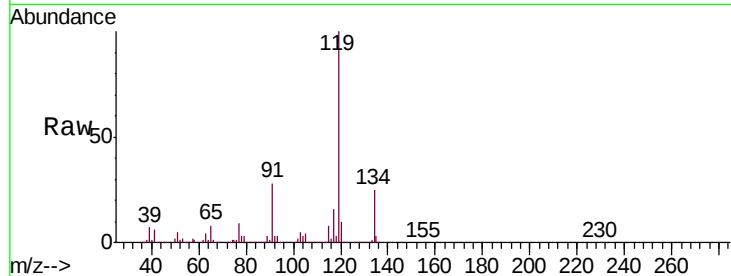




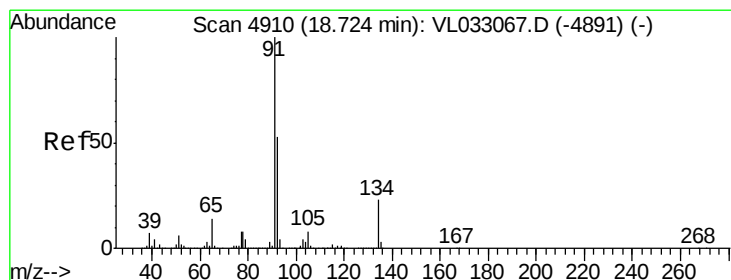
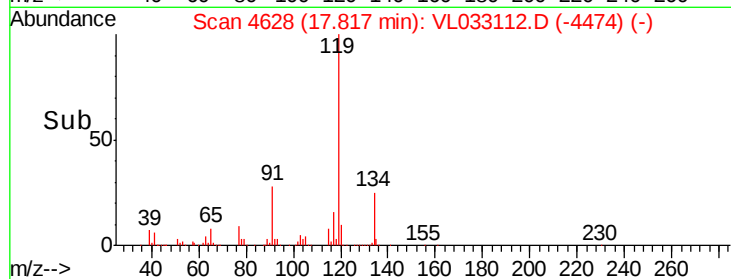
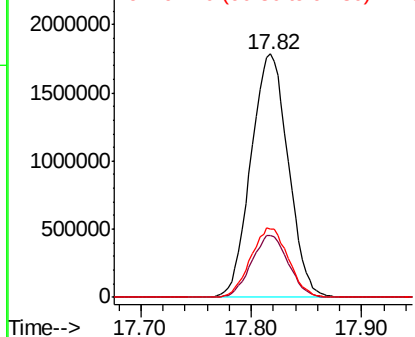
#69
p-Isopropyltoluene
Concen: 9.021 ppbv
RT: 17.82 min Scan# 4628
Delta R.T. -0.01 min
Lab File: VL033112.D
Acq: 17 Jan 2019 4:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 119 Resp: 4180308
Ion Ratio Lower Upper
119 100
134 25.2 20.1 30.1
91 28.7 23.0 34.4

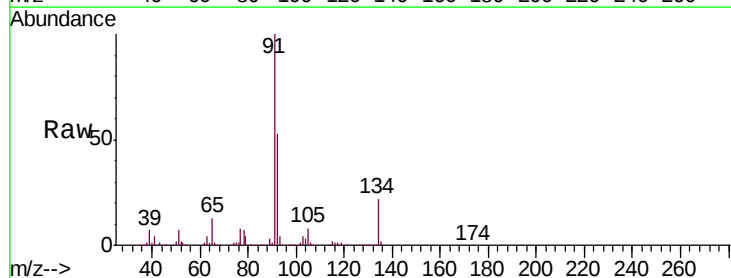


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

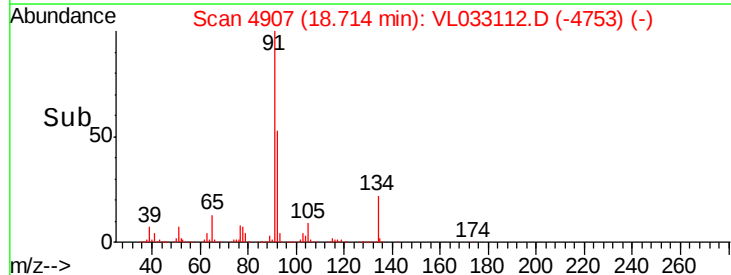
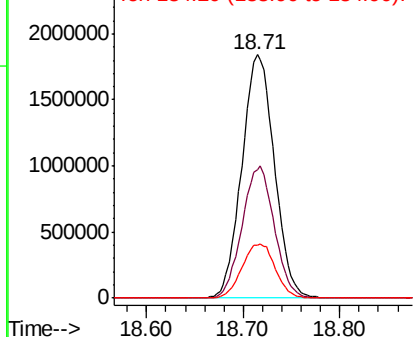


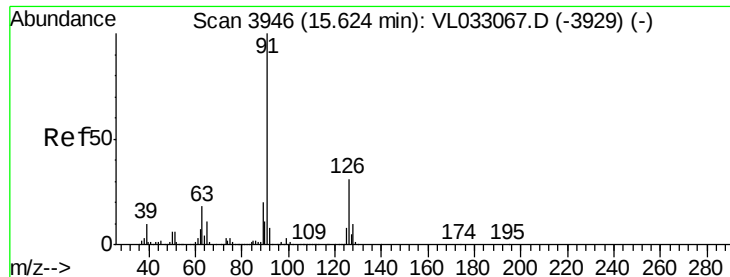
#70
n-Butylbenzene
Concen: 9.228 ppbv
RT: 18.71 min Scan# 4907
Delta R.T. -0.01 min
Lab File: VL033112.D
Acq: 17 Jan 2019 4:29

Tgt Ion: 91 Resp: 4298702
Ion Ratio Lower Upper
91 100
92 53.6 42.4 63.6
134 22.8 18.0 27.0



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





#71

2-Chlorotoluene

Concen: 9.178 ppbv

RT: 15.62 min Scan# 3944

Delta R.T. -0.01 min

Lab File: VL033112.D

Acq: 17 Jan 2019 4:29

Instrument :

MSVOA_L

ClientSampleId :

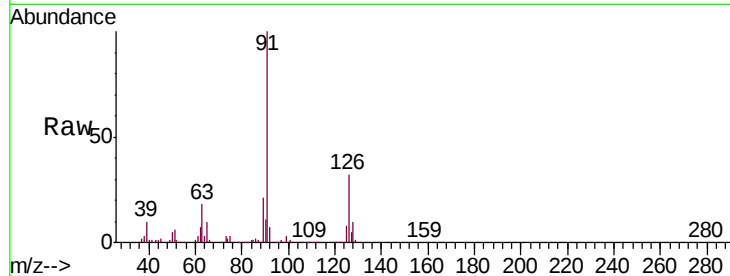
VSTDCCC010EC

Tgt Ion: 91 Resp: 2931504

Ion Ratio Lower Upper

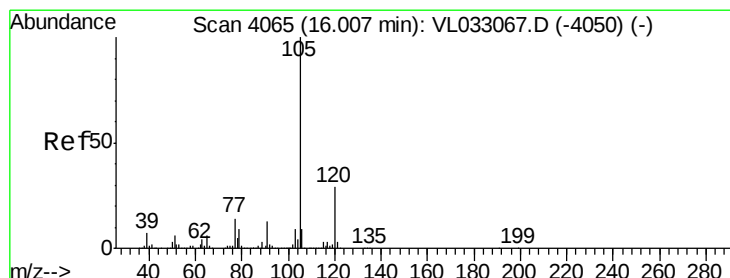
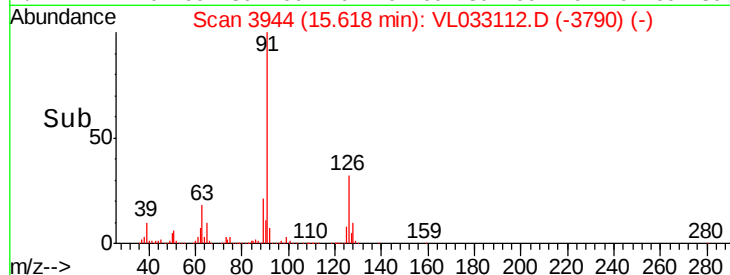
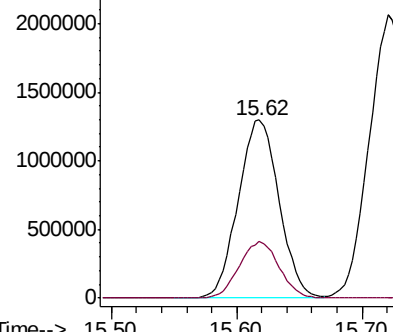
91 100

126 31.3 12.4 49.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 9.276 ppbv

RT: 16.00 min Scan# 4063

Delta R.T. -0.01 min

Lab File: VL033112.D

Acq: 17 Jan 2019 4:29

Tgt Ion: 105 Resp: 3226284

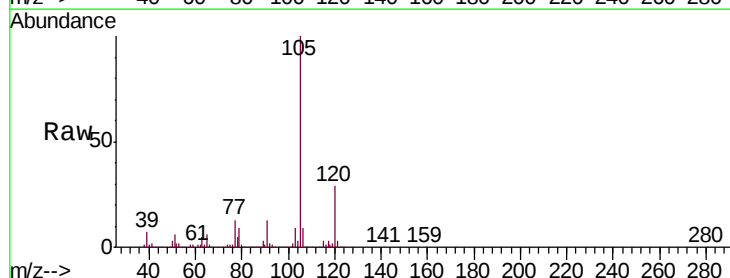
Ion Ratio Lower Upper

105 100

120 28.6 23.0 34.6

91 12.9 10.3 15.5

77 13.6 11.1 16.7

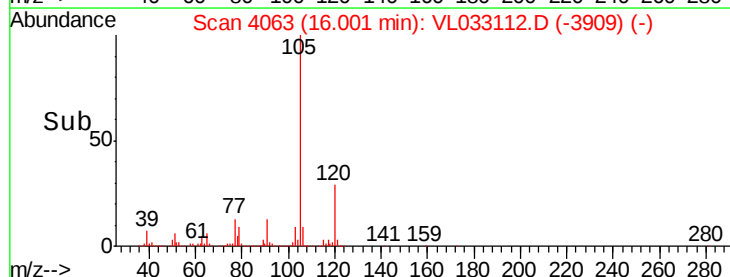
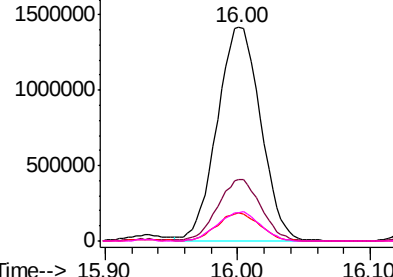


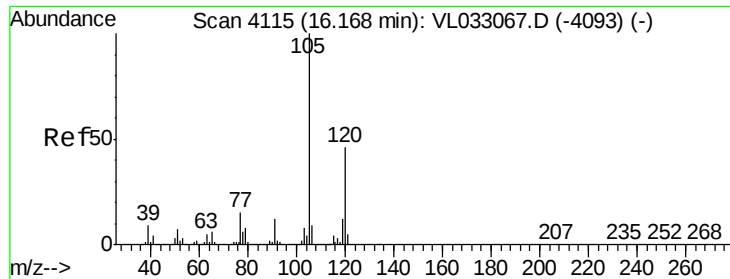
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

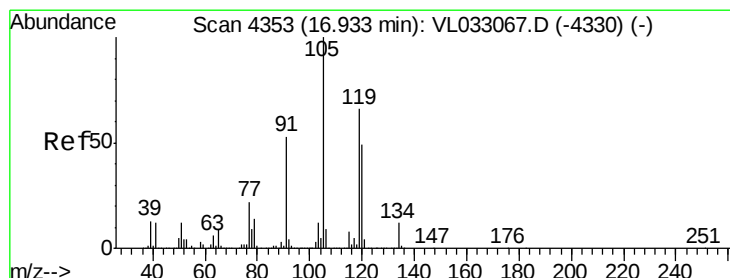
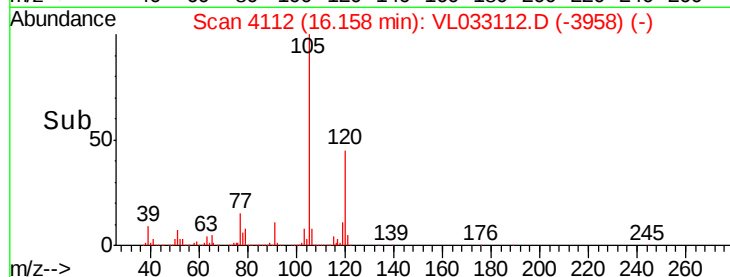
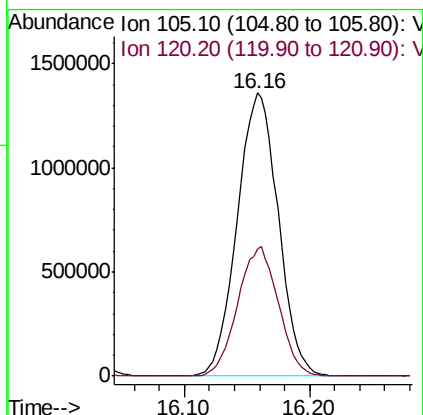
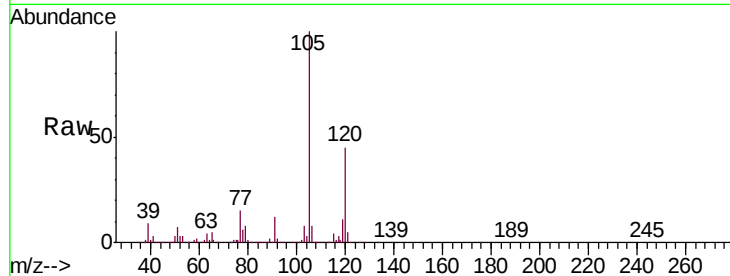




#73
 1,3,5-Trimethylbenzene
 Concen: 8.963 ppbv
 RT: 16.16 min Scan# 4112
 Delta R.T. -0.01 min
 Lab File: VL033112.D
 Acq: 17 Jan 2019 4:29

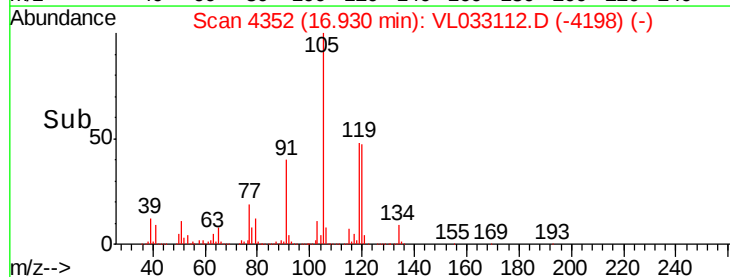
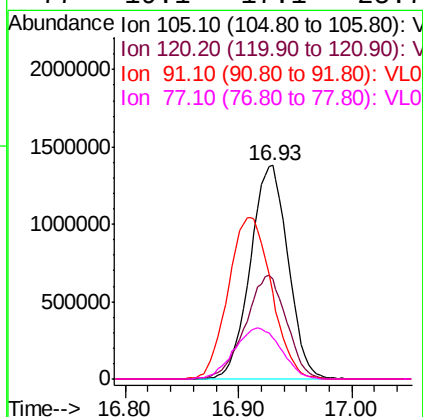
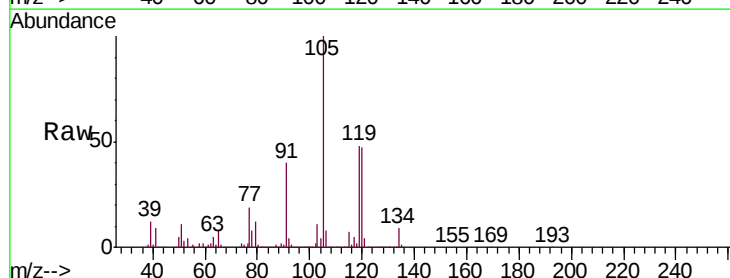
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

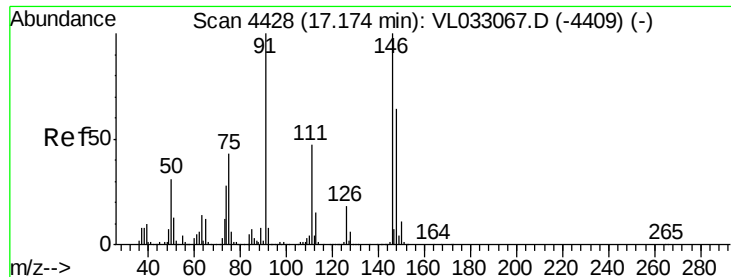
Tgt Ion:105 Resp: 3075719
 Ion Ratio Lower Upper
 105 100
 120 44.9 36.1 54.1



#74
 1,2,4-Trimethylbenzene
 Concen: 8.403 ppbv
 RT: 16.93 min Scan# 4352
 Delta R.T. -0.01 min
 Lab File: VL033112.D
 Acq: 17 Jan 2019 4:29

Tgt Ion:105 Resp: 3193799
 Ion Ratio Lower Upper
 105 100
 120 46.6 37.0 55.4
 91 40.0 35.4 53.0
 77 19.1 17.1 25.7





#75

1,3-Dichlorobenzene

Concen: 8.274 ppbv

RT: 17.17 min Scan# 4426

Delta R.T. -0.01 min

Lab File: VL033112.D

Acq: 17 Jan 2019 4:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

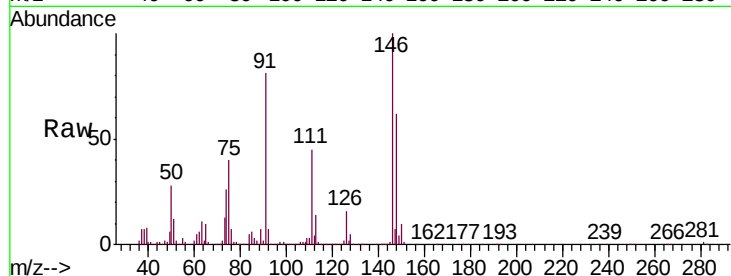
Tgt Ion:146 Resp: 1851096

Ion Ratio Lower Upper

146 100

111 47.0 23.4 70.2

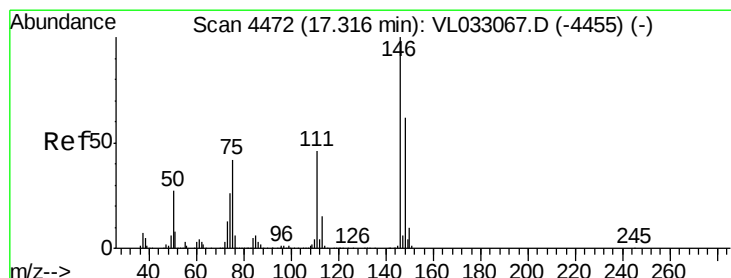
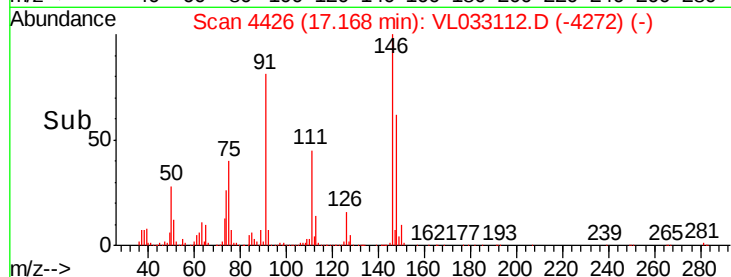
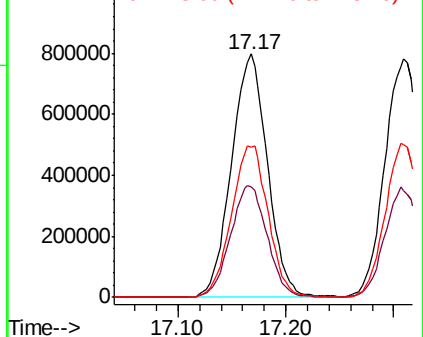
148 63.7 32.1 96.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 8.876 ppbv

RT: 17.31 min Scan# 4470

Delta R.T. -0.01 min

Lab File: VL033112.D

Acq: 17 Jan 2019 4:29

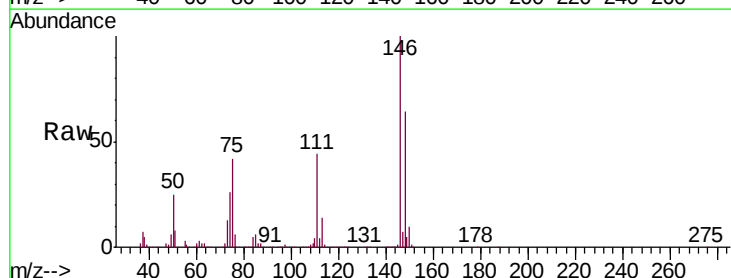
Tgt Ion:146 Resp: 1808797

Ion Ratio Lower Upper

146 100

111 45.8 22.7 68.1

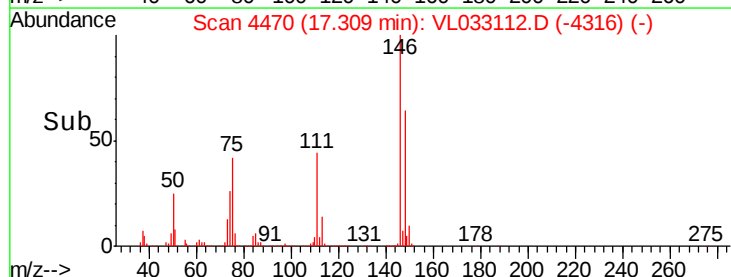
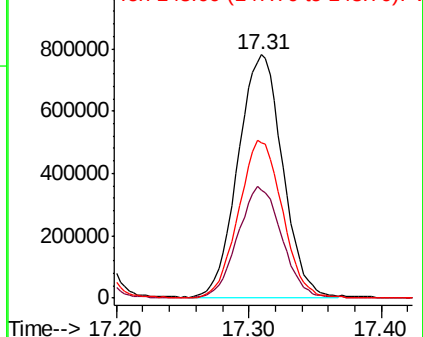
148 64.4 32.4 97.2

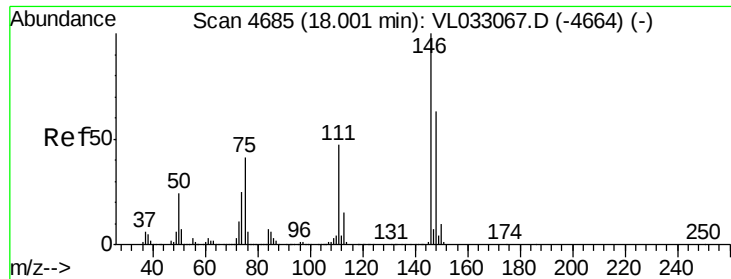


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

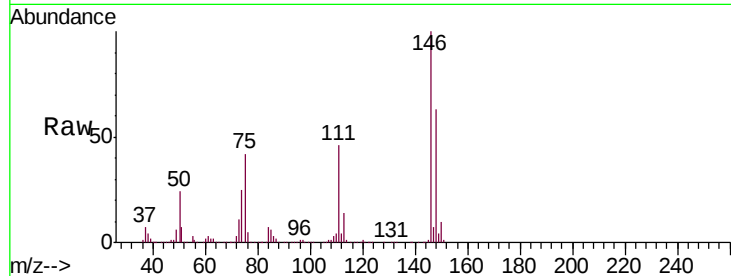




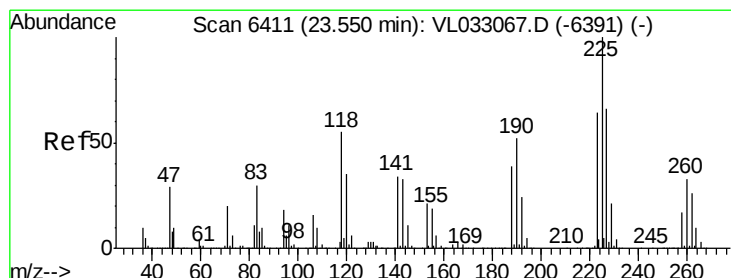
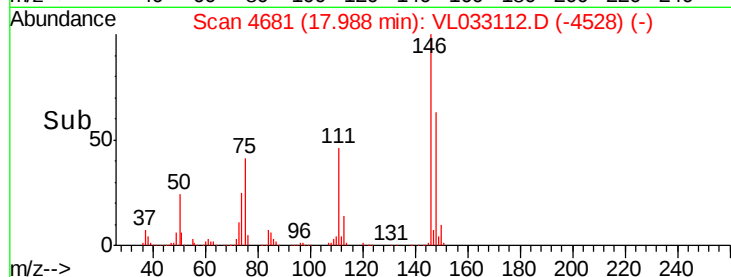
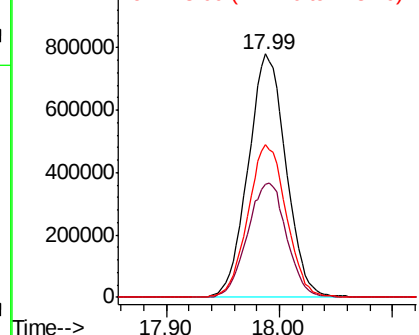
#77
 1,2-Dichlorobenzene
 Concen: 8.983 ppbv
 RT: 17.99 min Scan# 4681
 Delta R.T. -0.01 min
 Lab File: VL033112.D
 Acq: 17 Jan 2019 4:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:146 Resp: 1809863
 Ion Ratio Lower Upper
 146 100
 111 48.7 24.4 73.2
 148 64.0 32.3 96.9

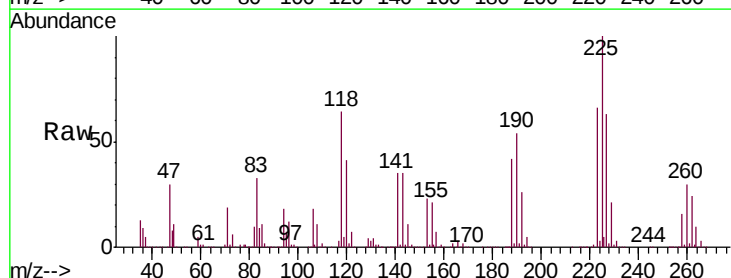


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

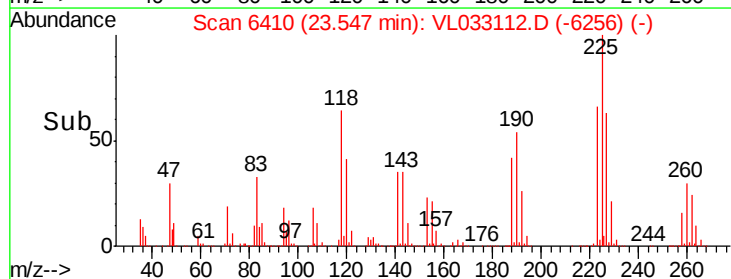
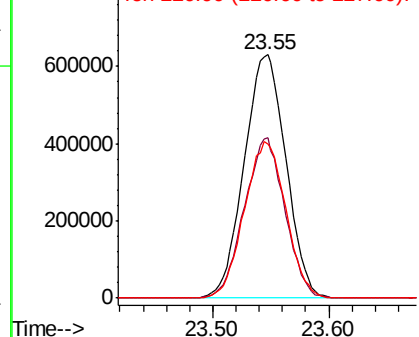


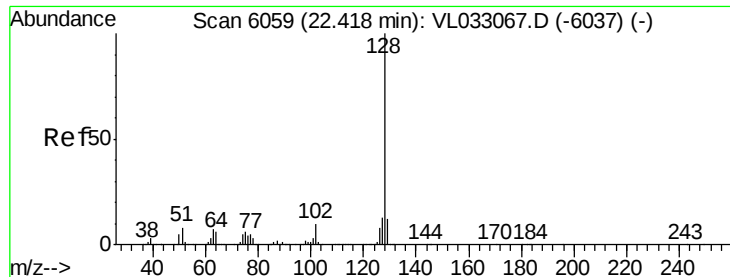
#78
 Hexachloro-1,3-Butadiene
 Concen: 10.209 ppbv
 RT: 23.55 min Scan# 6410
 Delta R.T. -0.01 min
 Lab File: VL033112.D
 Acq: 17 Jan 2019 4:29

Tgt Ion:225 Resp: 1579733
 Ion Ratio Lower Upper
 225 100
 223 63.9 51.0 76.6
 227 63.9 51.0 76.4



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: 11.846 ppbv

RT: 22.41 min Scan# 6057

Delta R.T. -0.01 min

Lab File: VL033112.D

Acq: 17 Jan 2019 4:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

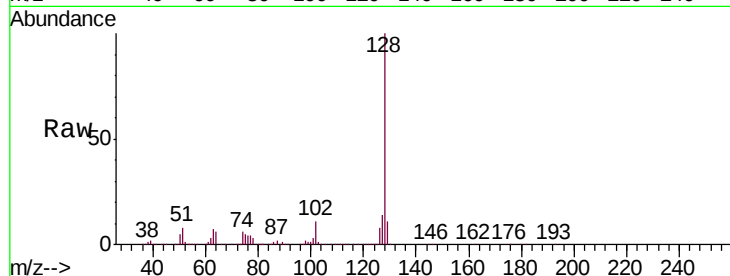
Tgt Ion:128 Resp: 3792310

Ion Ratio Lower Upper

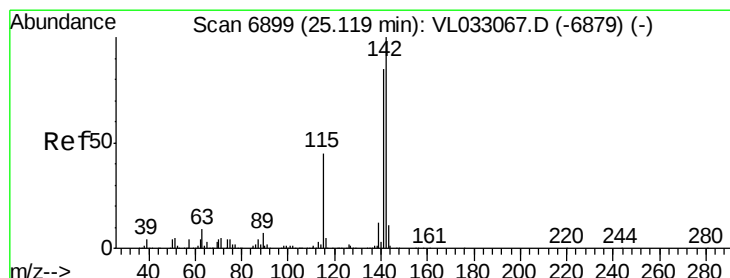
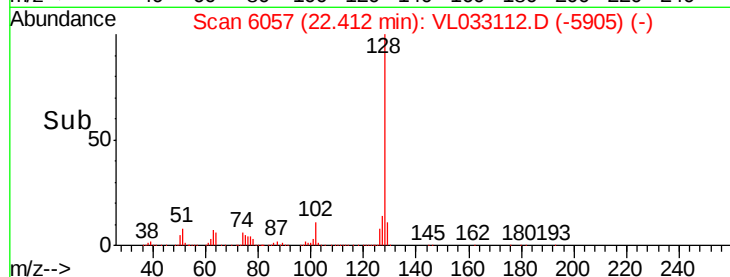
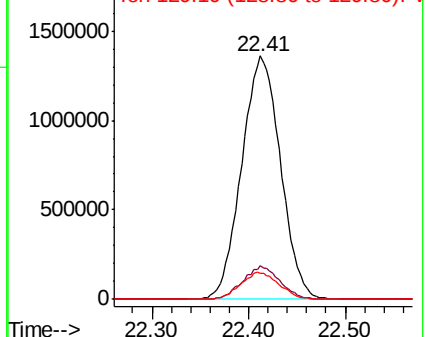
128 100

127 13.8 11.0 16.6

129 10.8 9.4 14.0



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: 9.672 ppbv

RT: 25.11 min Scan# 6897

Delta R.T. -0.01 min

Lab File: VL033112.D

Acq: 17 Jan 2019 4:29

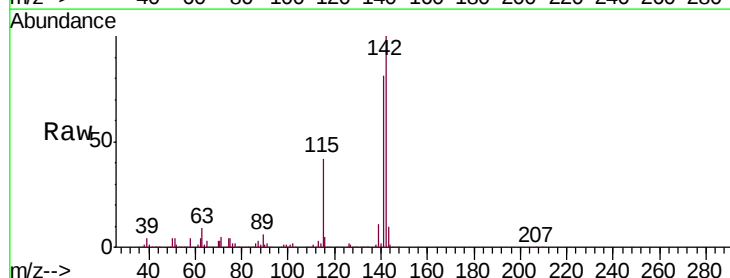
Tgt Ion:142 Resp: 939670

Ion Ratio Lower Upper

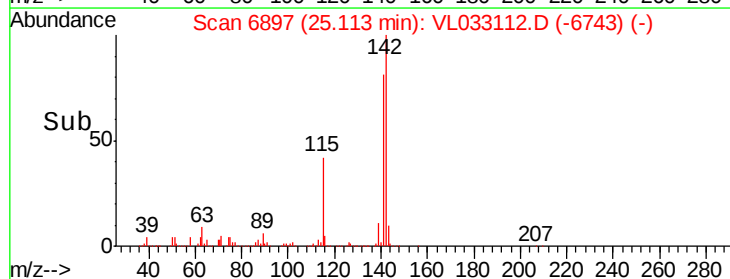
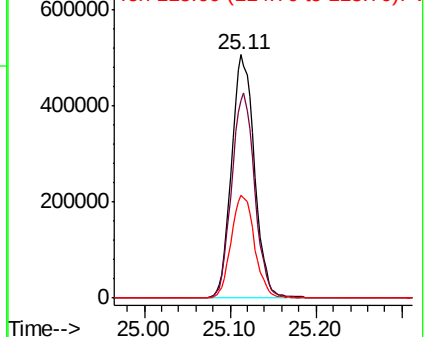
142 100

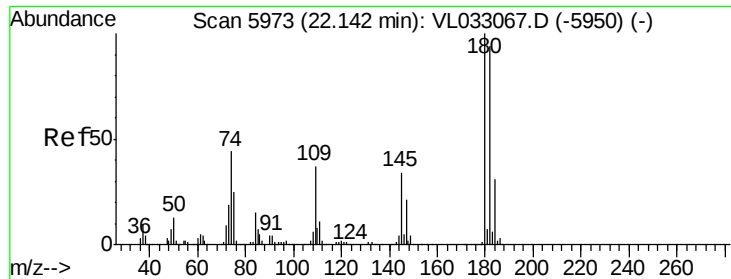
141 84.6 68.6 103.0

115 43.2 35.6 53.4



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: 11.354 ppbv
 RT: 22.14 min Scan# 5972
 Delta R.T. -0.01 min
 Lab File: VL033112.D
 Acq: 17 Jan 2019 4:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:180 Resp: 1755950
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.1 114.1
 184 30.2 24.6 37.0

