

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041719\
 Data File : VL033599.D
 Acq On : 17 Apr 2019 12:51
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Apr 18 05:53:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 26 16:00:50 2019
 QLast Update : Tue Mar 26 16:00:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	890599	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2212220	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2470089m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1787245	9.23	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.08	85	931878	7.174	ppbv 98
3) Chlorodifluoromethane	3.01	51	907609	8.852	ppbv 99
4) Chloromethane	3.17	50	502324	9.258	ppbv 98
5) Vinyl Chloride	3.29	62	493342	9.255	ppbv 99
6) Bromomethane	3.51	94	317987	9.282	ppbv 92
7) Chloroethane	3.60	64	188082	9.480	ppbv 100
8) Dichlorotetrafluoroethane	3.22	85	1214105	8.772	ppbv 98
9) Propene	3.04	41	398381	9.252	ppbv 97
10) Heptane	8.24	43	1016990	8.836	ppbv 99
11) Trichlorofluoromethane	4.00	101	1451213	9.065	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	980833	9.122	ppbv 100
13) Ethanol	3.65	45	116318	10.439	ppbv 66
14) Bromoethene	3.79	108	404579	9.434	ppbv 98
15) Acetone	3.90	43	935639	8.737	ppbv 98
16) 1,3-Butadiene	3.36	39	416012	9.794	ppbv 94
17) tert-Butyl alcohol	4.35	59	197929	10.053	ppbv 99
18) 1,1-Dichloroethene	4.35	96	433178	9.379	ppbv 97
19) Isopropyl Alcohol	4.02	45	711931	10.511	ppbv 100
20) Methylene Chloride	4.41	84	386208	8.496	ppbv 97
21) Allyl Chloride	4.48	41	663375	9.800	ppbv 98
22) trans-1,2-Dichloroethene	4.96	96	459087	9.528	ppbv 97
23) Vinyl Acetate	5.15	43	1494413	9.805	ppbv 99
24) 1,1-Dichloroethane	5.09	63	1040778	8.989	ppbv 100
25) Ethyl Acetate	5.76	43	1714578	8.630	ppbv 100
26) Hexane	5.78	57	777938	8.806	ppbv 97
27) Carbon Disulfide	4.62	76	1089875	10.375	ppbv 98
28) Methyl tert-Butyl Ether	5.11	73	1246118	9.794	ppbv 100
29) Chloroform	5.85	83	1297563	8.569	ppbv 99
30) Cyclohexane	7.25	84	676221	9.676	ppbv 98
31) cis-1,2-Dichloroethene	5.64	61	816125	9.292	ppbv 97
32) 1,1,1-Trichloroethane	6.62	97	1333014	9.244	ppbv 99
34) 2-Butanone	5.33	43	1160603	8.732	ppbv 98
35) Carbon Tetrachloride	7.13	117	1402969	8.954	ppbv 99
36) Benzene	7.00	78	1651059	8.895	ppbv 97
37) 1,2-Dichloroethane	6.41	62	1003278	8.064	ppbv 99
38) Trichloroethene	7.96	130	667351	9.553	ppbv 96
39) 1,2-Dichloropropane	7.74	63	634510	8.726	ppbv 95
40) 1,4-Dioxane	7.95	88	242885	9.365	ppbv 87
41) Tetrahydrofuran	6.15	42	645720	8.833	ppbv 97
42) Bromodichloromethane	7.91	83	1481249	8.741	ppbv 100
43) Methyl Methacrylate	8.14	69	683641	9.070	ppbv 99

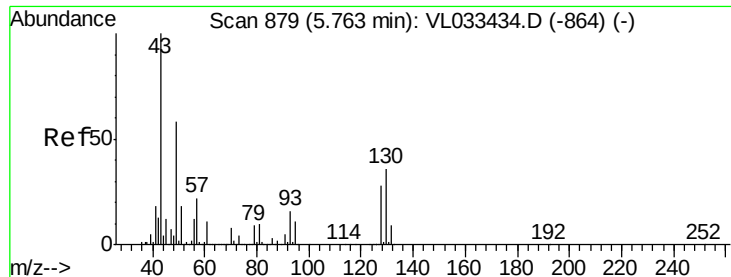
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041719\
 Data File : VL033599.D
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Quant Time: Apr 18 05:53:46 2019
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 26 16:00:50 2019
 QLast Update : Tue Mar 26 16:00:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.98	57	2783028	8.580	ppbv	99
45) t-1,3-Dichloropropene	9.41	75	938864	10.146	ppbv	100
46) cis-1,3-Dichloropropene	8.83	75	1033416	9.563	ppbv	97
47) 1,1,2-Trichloroethane	9.61	97	705612	8.546	ppbv	98
48) Dibromochloromethane	10.45	129	1282267	9.207	ppbv	100
49) Bromoform	13.20	173	1167012	8.771	ppbv	100
50) 4-Methyl-2-Pentanone	8.87	43	1675991	8.612	ppbv	99
51) 2-Hexanone	10.27	43	1330078	9.162	ppbv #	99
52) Tetrachloroethene	11.37	164	656487	9.374	ppbv	98
53) Toluene	9.94	91	2000050	9.272	ppbv	100
54) 1,2-Dibromoethane	10.76	107	1126547	8.723	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.28	131	899343	7.944	ppbv #	57
57) Chlorobenzene	12.30	112	1511782	7.882	ppbv	97
58) Ethyl Benzene	12.86	91	2757300	8.359	ppbv	100
59) m/p-Xylene	13.15	91	4685099m	15.901	ppbv	
60) o-Xylene	13.85	91	2309057	8.104	ppbv	99
61) Styrene	13.68	104	1717605	8.784	ppbv	99
62) Isopropylbenzene	14.82	105	3280888	8.132	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.84	83	1609584	7.672	ppbv	100
64) n-propylbenzene	15.72	120	835880	8.165	ppbv	98
65) tert-Butylbenzene	16.90	119	2957142	8.318	ppbv	98
66) Benzyl Chloride	17.15	91	1672441	10.116	ppbv	99
67) sec-Butylbenzene	17.46	105	4157476	8.223	ppbv	100
69) p-Isopropyltoluene	17.82	119	3489289	8.476	ppbv	99
70) n-Butylbenzene	18.71	91	3595610	8.244	ppbv	100
71) 2-Chlorotoluene	15.61	91	2507169	8.172	ppbv	98
72) 4-Ethyltoluene	16.00	105	2708258	8.456	ppbv	100
73) 1,3,5-Trimethylbenzene	16.16	105	2611143	8.520	ppbv	97
74) 1,2,4-Trimethylbenzene	16.93	105	2704720	8.234	ppbv	95
75) 1,3-Dichlorobenzene	17.16	146	1616520	7.962	ppbv	99
76) 1,4-Dichlorobenzene	17.31	146	1610289	8.140	ppbv	100
77) 1,2-Dichlorobenzene	17.99	146	1587467	8.241	ppbv	99
78) Hexachloro-1,3-Butadiene	23.54	225	1194168	9.365	ppbv	99
79) Naphthalene	22.41	128	2668922	9.491	ppbv	99
80) Naphthalene, 2-methyl-	25.11	142	1271803	13.477	ppbv	98
81) 1,2,4-Trichlorobenzene	22.13	180	1391990	8.924	ppbv	99

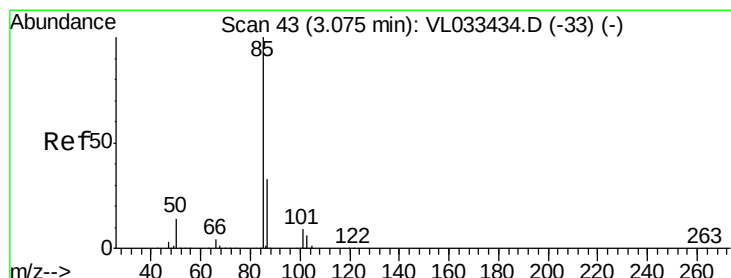
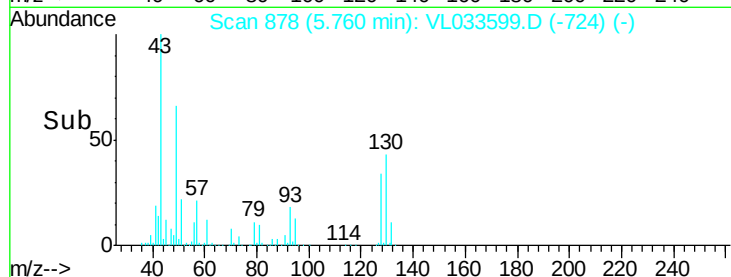
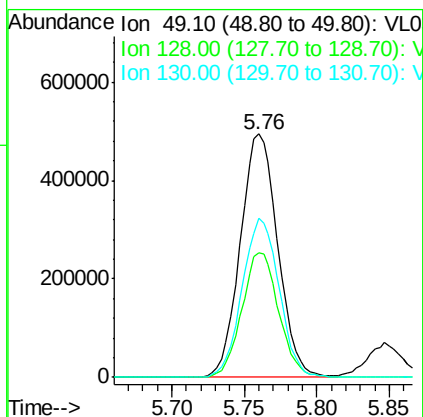
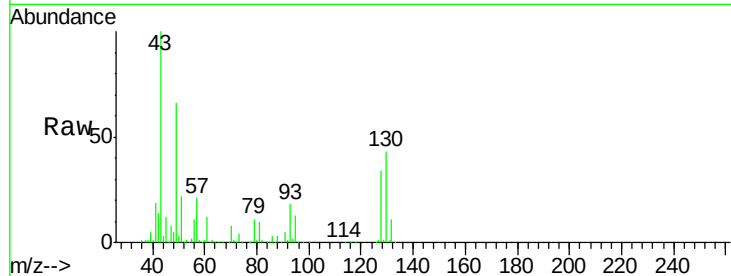
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 878
Delta R.T. -0.00 min
Lab File: VL033599.D
Acq: 17 Apr 2019 12:51

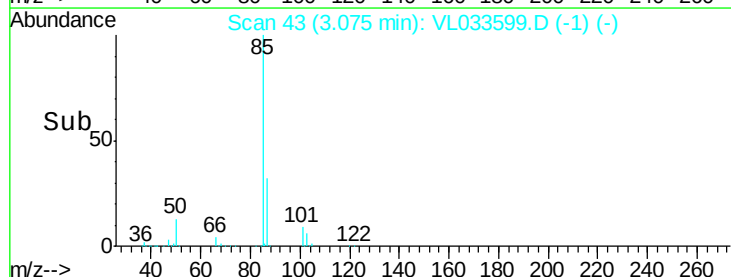
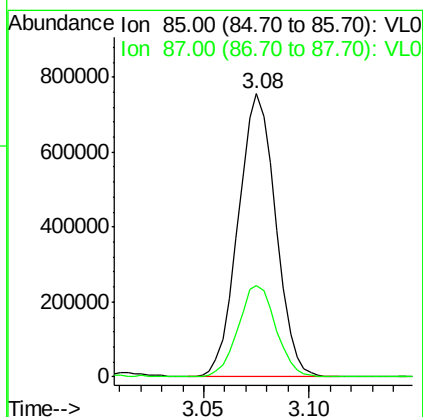
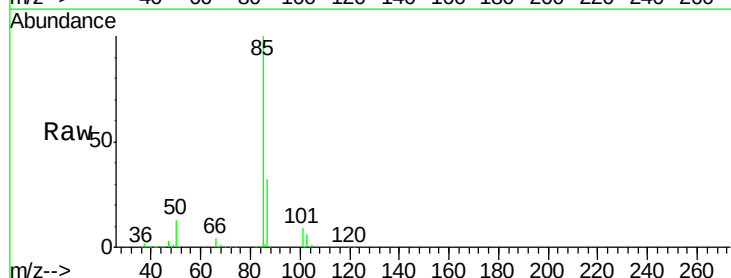
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

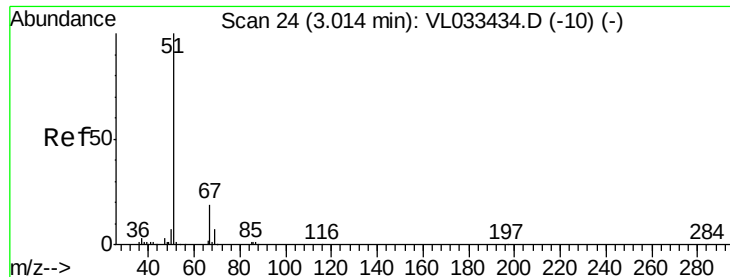
Tot Ion: 49 Resp: 890599
Ion Ratio Lower Upper
49 100
128 50.4 24.0 72.0
130 64.7 31.2 93.6



#2
Dichlorodifluoromethane
Concen: 7.174 ppbv
RT: 3.08 min Scan# 43
Delta R.T. -0.00 min
Lab File: VL033599.D
Acq: 17 Apr 2019 12:51

Tgt Ion: 85 Resp: 931878
Ion Ratio Lower Upper
85 100
87 32.5 26.7 40.1





#3

Chlorodifluoromethane

Concen: 8.852 ppbv

RT: 3.01 min Scan# 24

Delta R.T. -0.00 min

Lab File: VL033599.D

Acq: 17 Apr 2019 12:51

Instrument :

MSVOA_L

ClientSampleId :

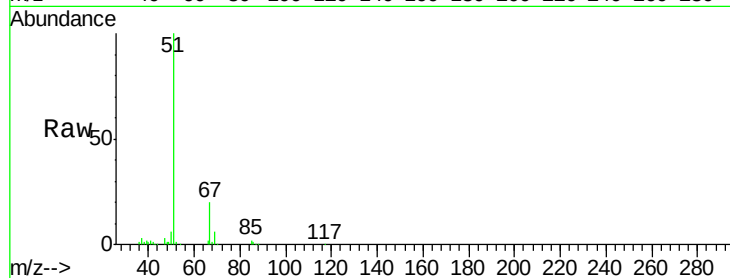
VSTDCCC010

Tot Ion: 51 Resp: 907609

Ion Ratio Lower Upper

51 100

67 19.1 15.7 23.5



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

800000

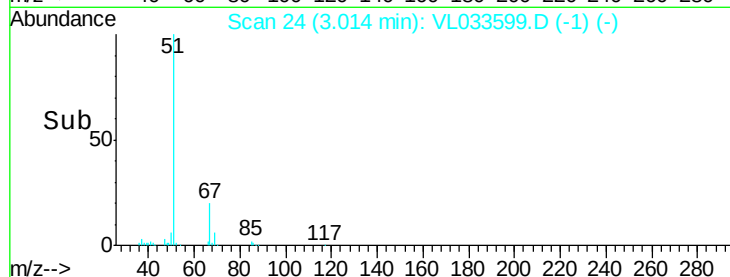
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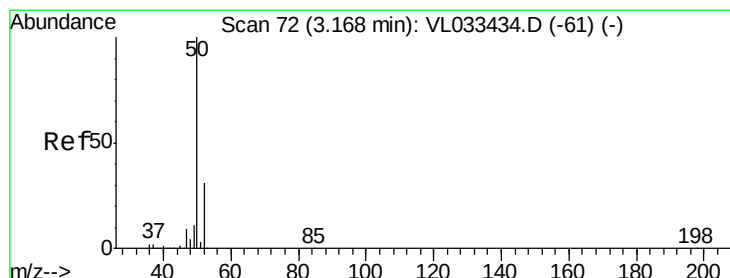
200000

0

Time-->



Time-->



#4

Chloromethane

Concen: 9.258 ppbv

RT: 3.17 min Scan# 72

Delta R.T. -0.00 min

Lab File: VL033599.D

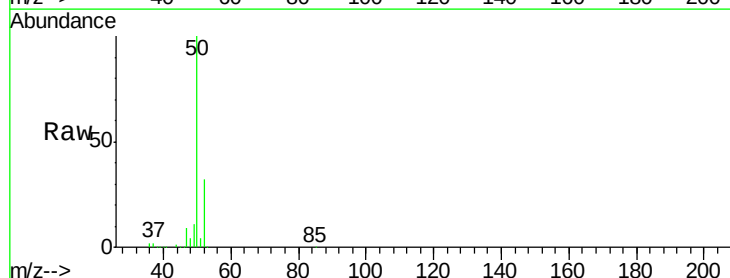
Acq: 17 Apr 2019 12:51

Tgt Ion: 50 Resp: 502324

Ion Ratio Lower Upper

50 100

52 32.2 25.0 37.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

400000

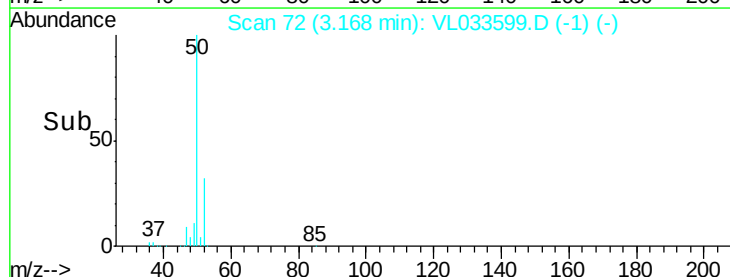
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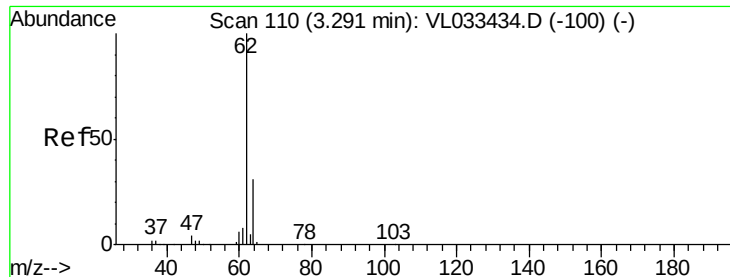
200000

100000

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Time-->





#5

Vinyl Chloride

Concen: 9.255 ppbv

RT: 3.29 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL033599.D

Acq: 17 Apr 2019 12:51

Instrument :

MSVOA_L

ClientSampleId :

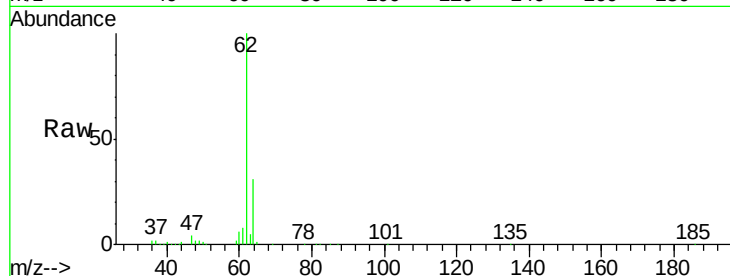
VSTDCCC010

Tot Ion: 62 Resp: 493342

Ion Ratio Lower Upper

62 100

64 30.8 24.9 37.3



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.29

400000

300000

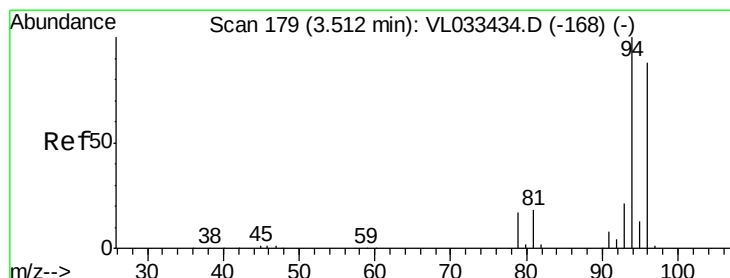
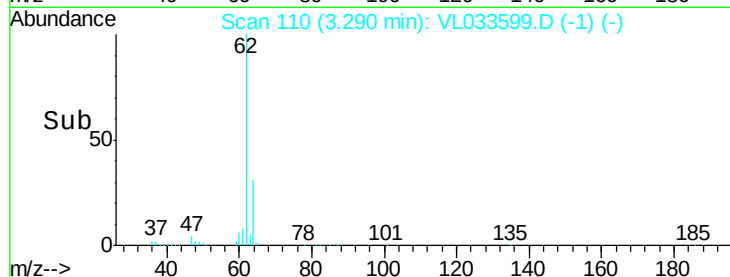
200000

100000

0

3.25 3.30 3.35

Time-->



#6

Bromomethane

Concen: 9.282 ppbv

RT: 3.51 min Scan# 179

Delta R.T. -0.00 min

Lab File: VL033599.D

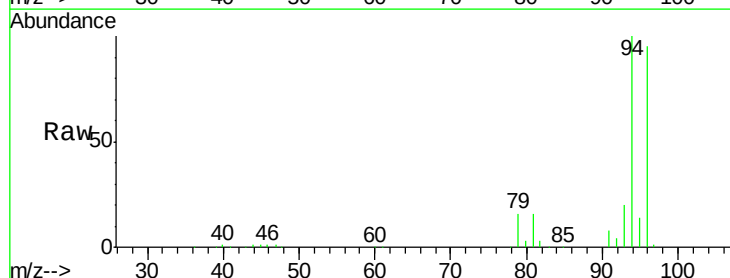
Acq: 17 Apr 2019 12:51

Tgt Ion: 94 Resp: 317987

Ion Ratio Lower Upper

94 100

96 95.0 70.2 105.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.51

250000

200000

150000

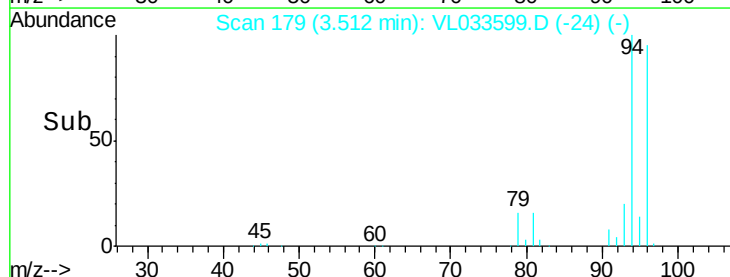
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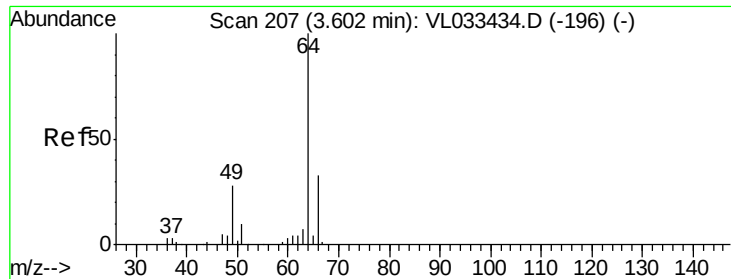
50000

0

3.45 3.50 3.55

Time-->





#7

Chloroethane

Concen: 9.480 ppbv

RT: 3.60 min Scan# 206

Delta R.T. -0.00 min

Lab File: VL033599.D

Acq: 17 Apr 2019 12:51

Instrument :

MSVOA_L

ClientSampleId :

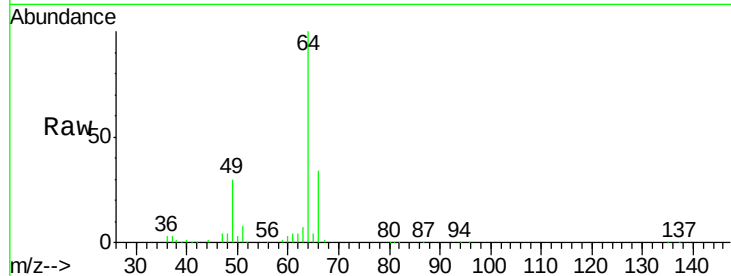
VSTDCCC010

Tot Ion: 64 Resp: 188082

Ion Ratio Lower Upper

64 100

66 33.5 26.7 40.1



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.60

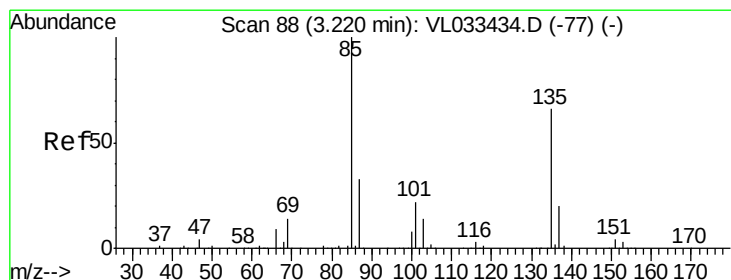
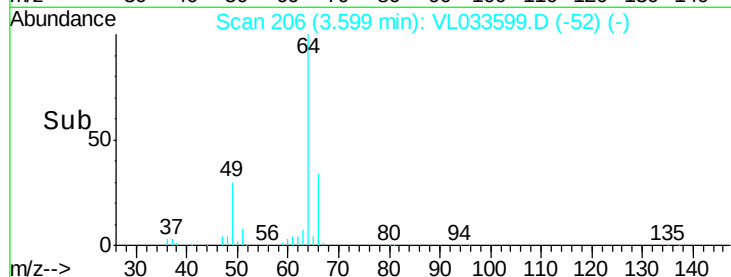
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.772 ppbv

RT: 3.22 min Scan# 88

Delta R.T. -0.00 min

Lab File: VL033599.D

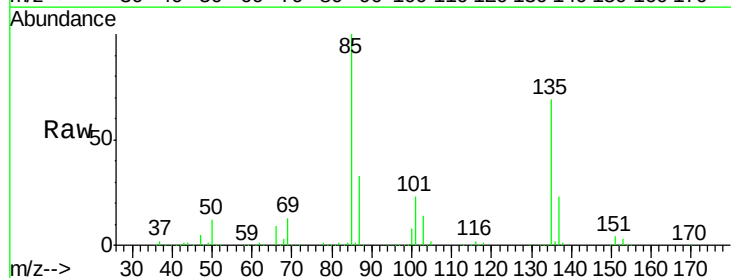
Acq: 17 Apr 2019 12:51

Tgt Ion: 85 Resp: 1214105

Ion Ratio Lower Upper

85 100

135 68.9 54.0 81.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.22

1000000

800000

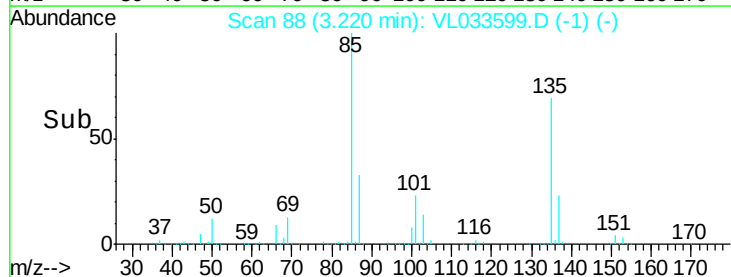
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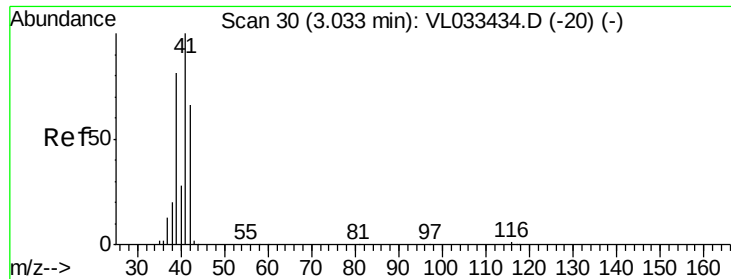
400000

200000

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Time-->





#9

Propene

Concen: 9.252 ppbv

RT: 3.04 min Scan# 31

Delta R.T. 0.00 min

Lab File: VL033599.D

Acq: 17 Apr 2019 12:51

Instrument :

MSVOA_L

ClientSampleId :

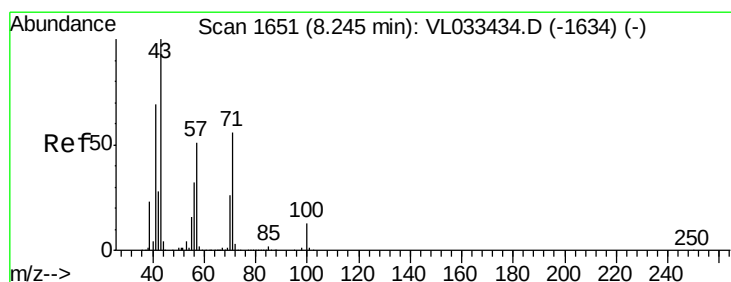
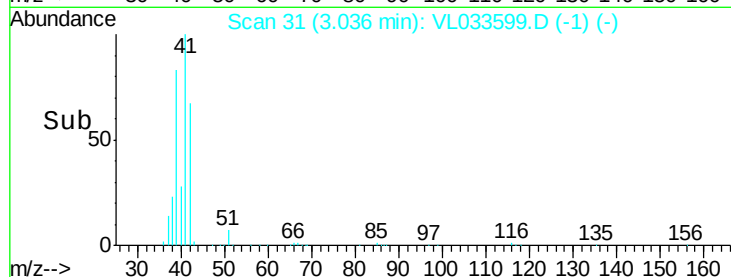
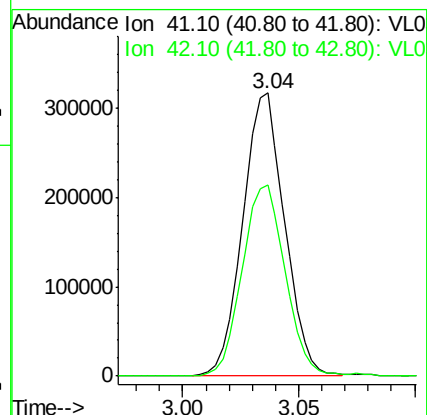
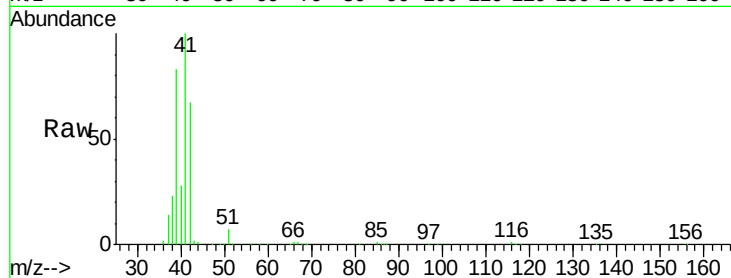
VSTDCCC010

Tot Ion: 41 Resp: 398381

Ion Ratio Lower Upper

41 100

42 69.8 53.9 80.9



#10

Heptane

Concen: 8.836 ppbv

RT: 8.24 min Scan# 1650

Delta R.T. -0.00 min

Lab File: VL033599.D

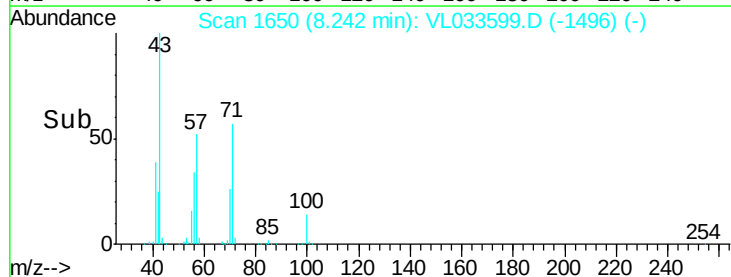
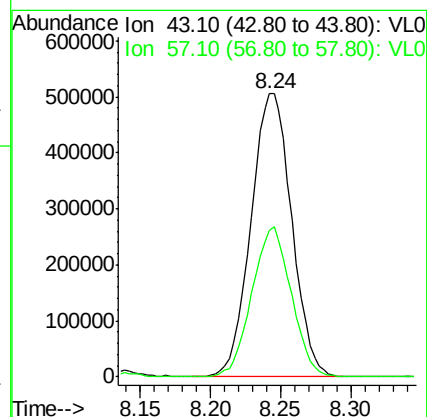
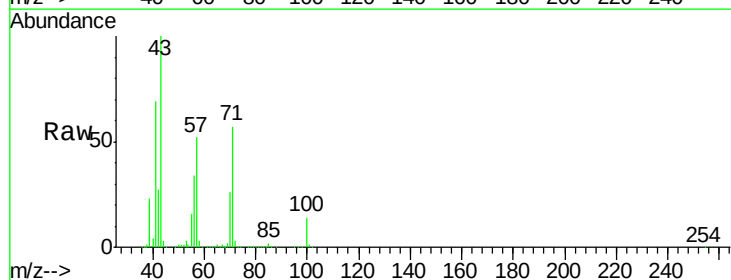
Acq: 17 Apr 2019 12:51

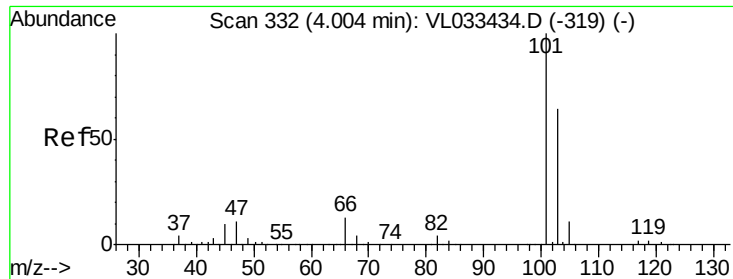
Tgt Ion: 43 Resp: 1016990

Ion Ratio Lower Upper

43 100

57 51.5 40.6 60.8

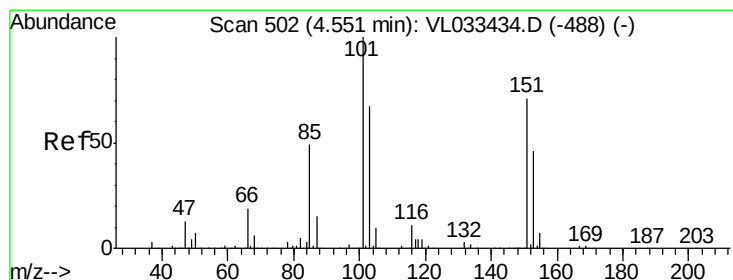
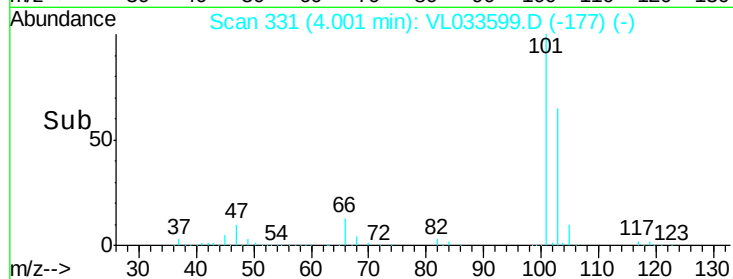
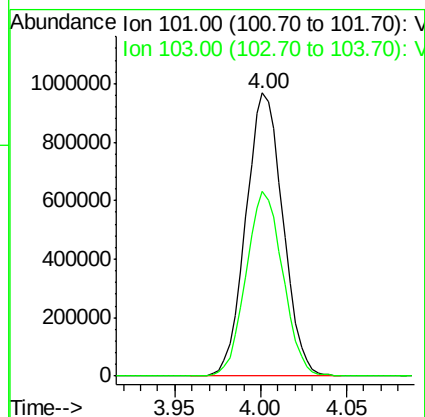
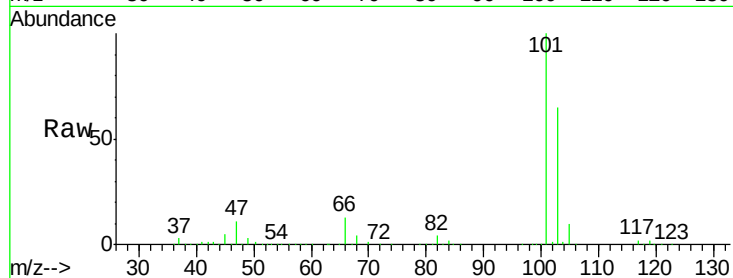




#11
 Trichlorofluoromethane
 Concen: 9.065 ppbv
 RT: 4.00 min Scan# 331
 Delta R.T. -0.00 min
 Lab File: VL033599.D
 Acq: 17 Apr 2019 12:51

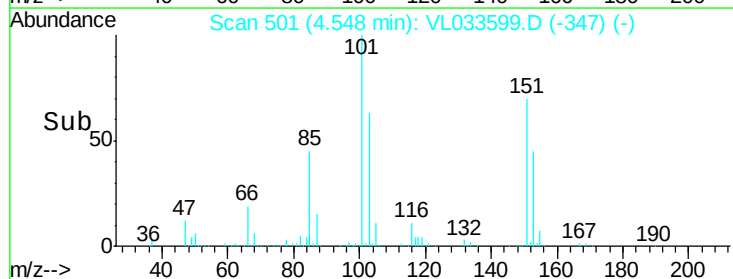
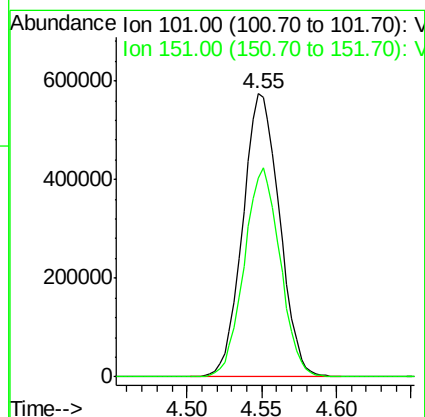
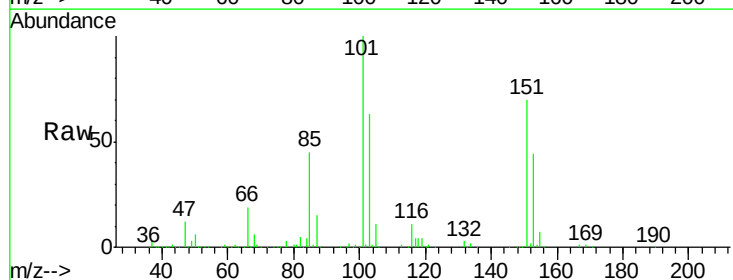
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

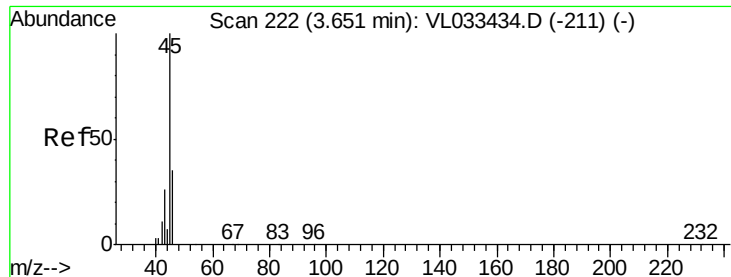
Tot Ion:101 Resp: 1451213
 Ion Ratio Lower Upper
 101 100
 103 65.3 51.3 76.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.122 ppbv
 RT: 4.55 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VL033599.D
 Acq: 17 Apr 2019 12:51

Tgt Ion:101 Resp: 980833
 Ion Ratio Lower Upper
 101 100
 151 72.4 57.7 86.5





#13

Ethanol

Concen: 10.439 ppbv

RT: 3.65 min Scan# 221

Delta R.T. -0.00 min

Lab File: VL033599.D

Acq: 17 Apr 2019 12:51

Instrument :

MSVOA_L

ClientSampleId :

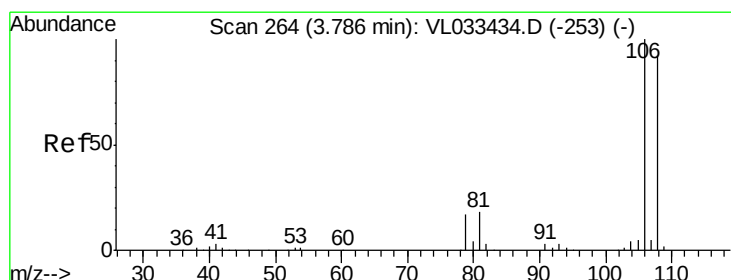
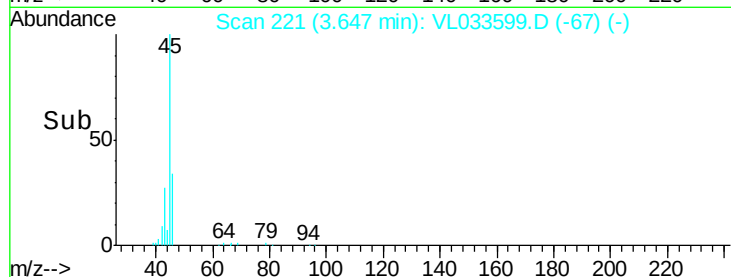
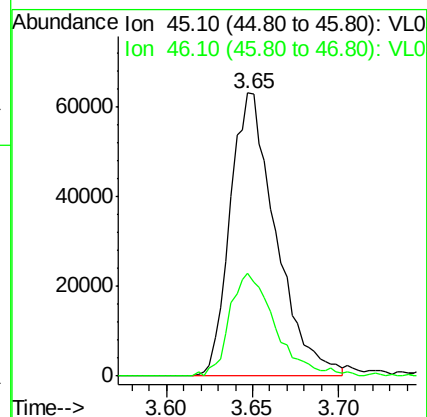
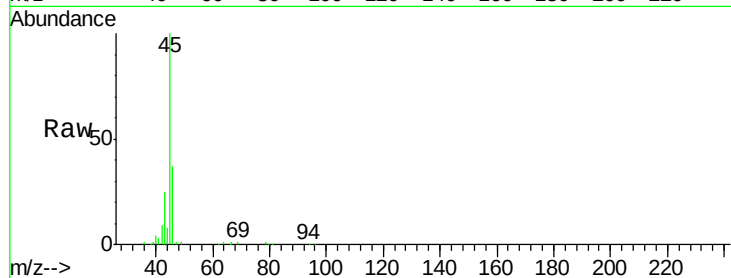
VSTDCCC010

Tot Ion: 45 Resp: 116318

Ion Ratio Lower Upper

45 100

46 37.1 25.4 101.8



#14

Bromoethene

Concen: 9.434 ppbv

RT: 3.79 min Scan# 264

Delta R.T. -0.00 min

Lab File: VL033599.D

Acq: 17 Apr 2019 12:51

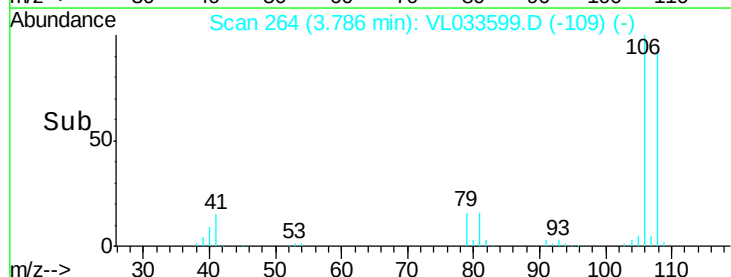
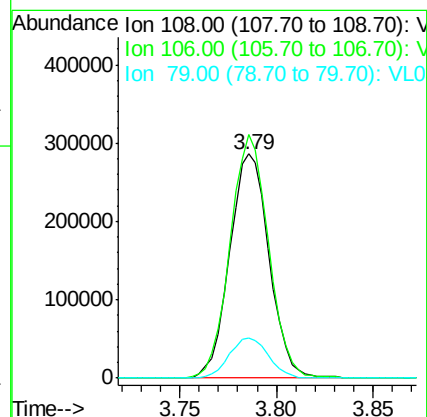
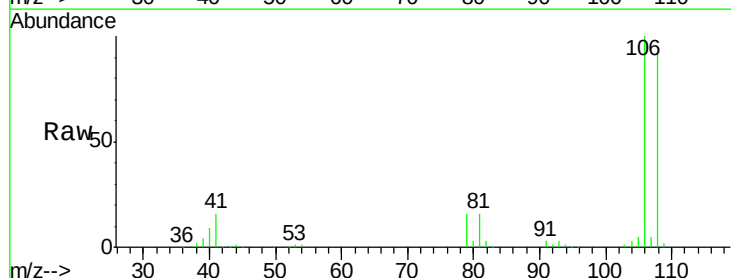
Tgt Ion: 108 Resp: 404579

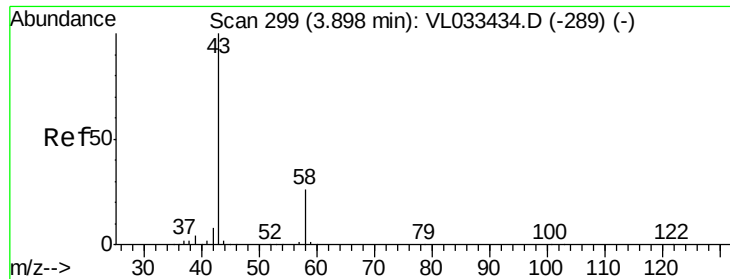
Ion Ratio Lower Upper

108 100

106 105.9 86.4 129.6

79 18.1 15.8 23.8





#15

Acetone

Concen: 8.737 ppbv

RT: 3.90 min Scan# 299

Delta R.T. -0.00 min

Lab File: VL033599.D

Acq: 17 Apr 2019 12:51

Instrument :

MSVOA_L

ClientSampleId :

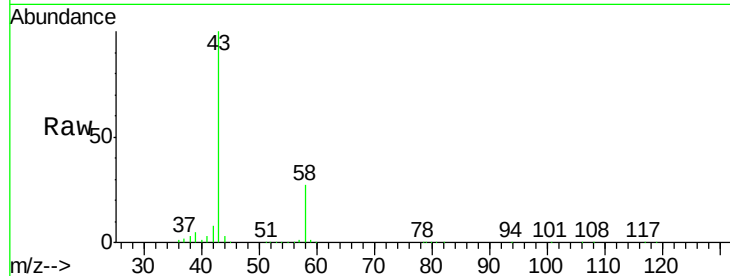
VSTDCCC010

Tot Ion: 43 Resp: 935639

Ion Ratio Lower Upper

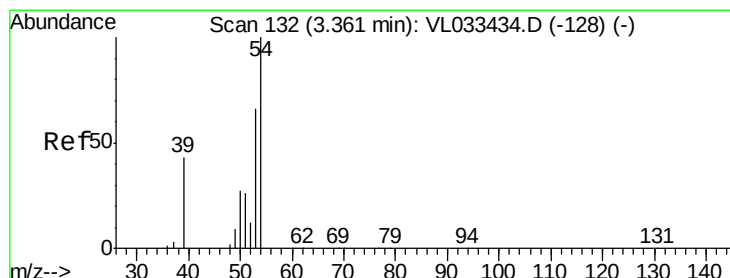
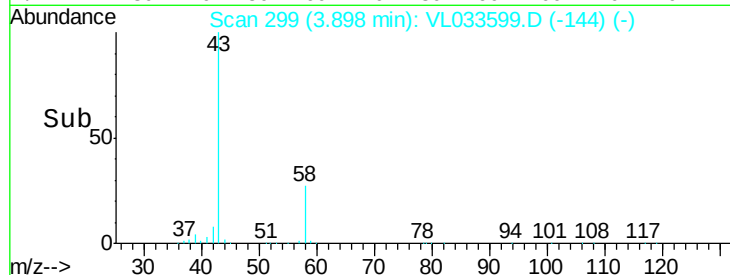
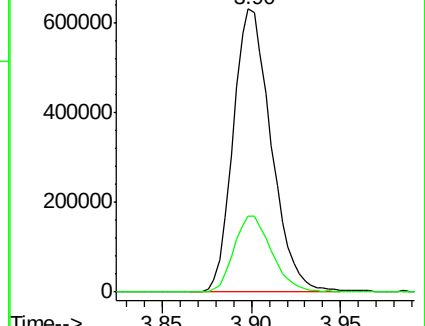
43 100

58 26.8 20.5 30.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 9.794 ppbv

RT: 3.36 min Scan# 132

Delta R.T. -0.00 min

Lab File: VL033599.D

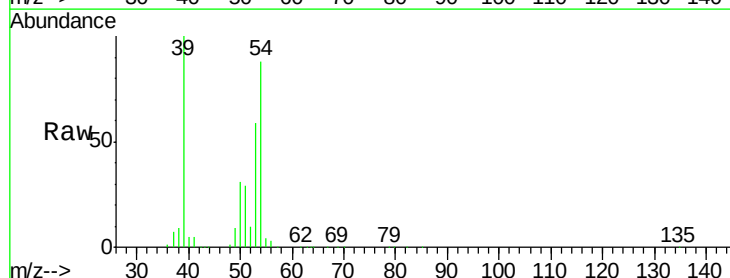
Acq: 17 Apr 2019 12:51

Tgt Ion: 39 Resp: 416012

Ion Ratio Lower Upper

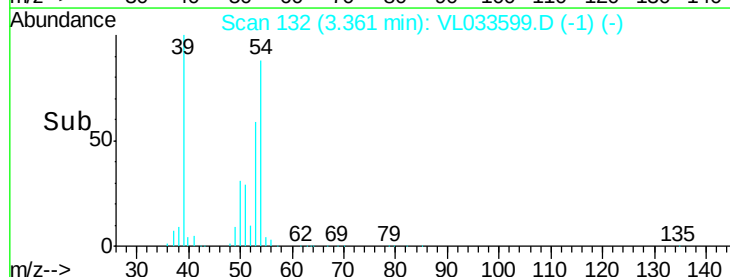
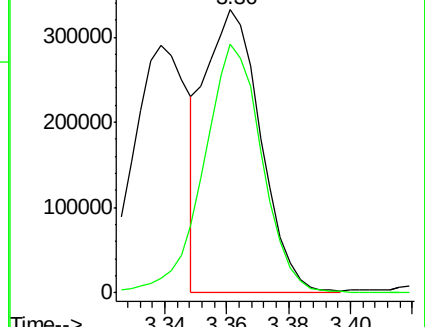
39 100

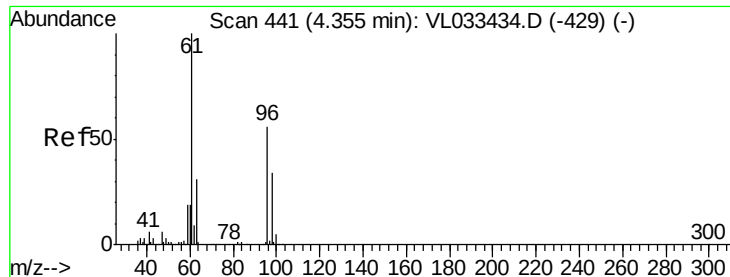
54 92.6 69.4 104.2



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0



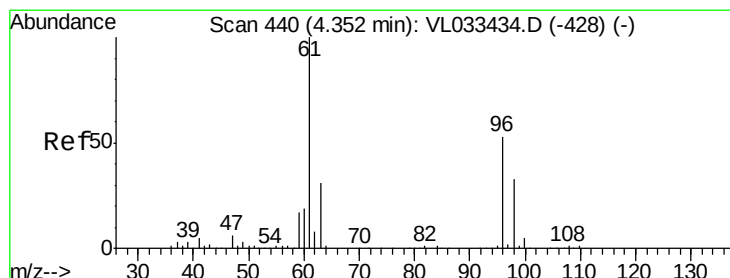
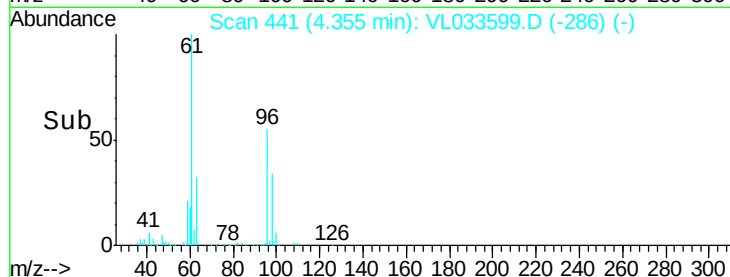
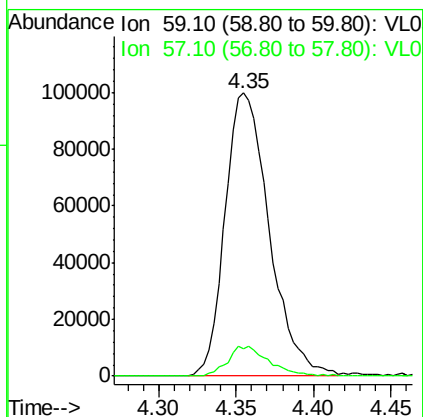
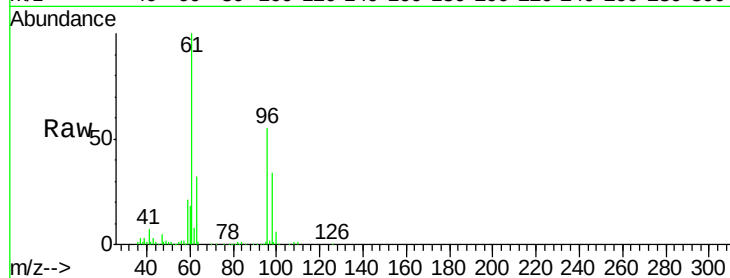


#17

tert-Butyl alcohol
Concen: 10.053 ppbv
RT: 4.35 min Scan# 441
Delta R.T. -0.00 min
Lab File: VL033599.D
Acq: 17 Apr 2019 12:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

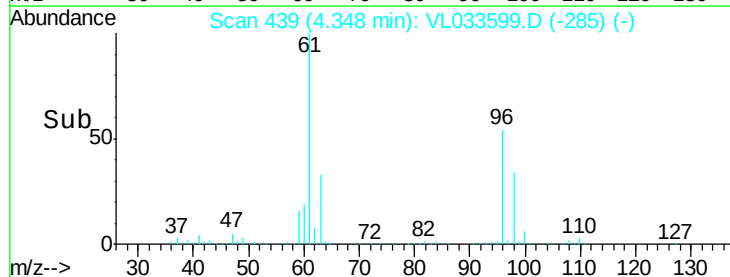
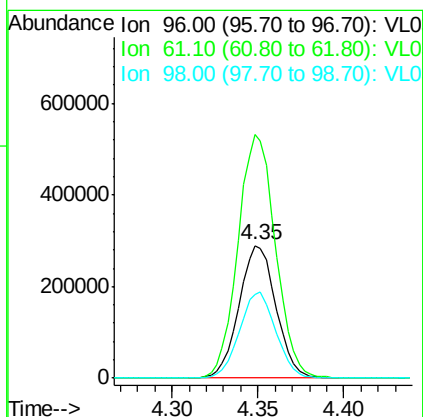
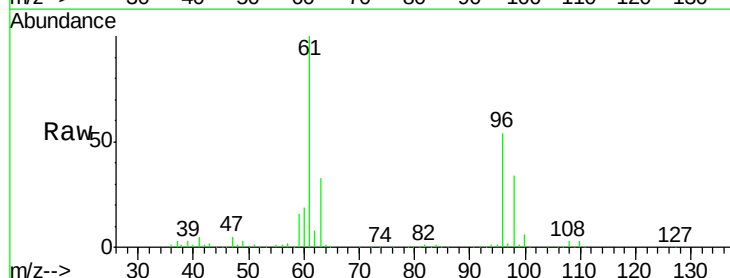
Tot Ion: 59 Resp: 197929
Ion Ratio Lower Upper
59 100
57 10.1 7.8 11.8

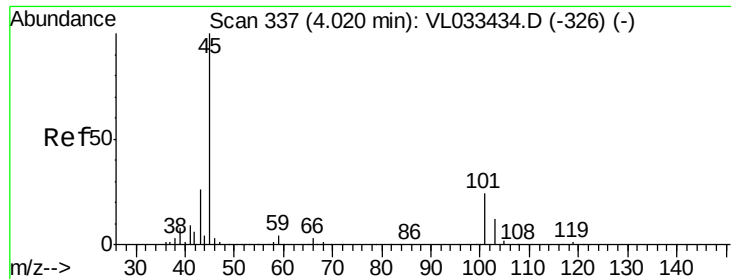


#18

1,1-Dichloroethene
Concen: 9.379 ppbv
RT: 4.35 min Scan# 439
Delta R.T. -0.00 min
Lab File: VL033599.D
Acq: 17 Apr 2019 12:51

Tgt Ion: 96 Resp: 433178
Ion Ratio Lower Upper
96 100
61 183.5 149.8 224.6
98 62.7 48.7 73.1





#19

Isopropyl Alcohol

Concen: 10.511 ppbv

RT: 4.02 min Scan# 337

Delta R.T. -0.00 min

Lab File: VL033599.D

Acq: 17 Apr 2019 12:51

Instrument :

MSVOA_L

ClientSampleId :

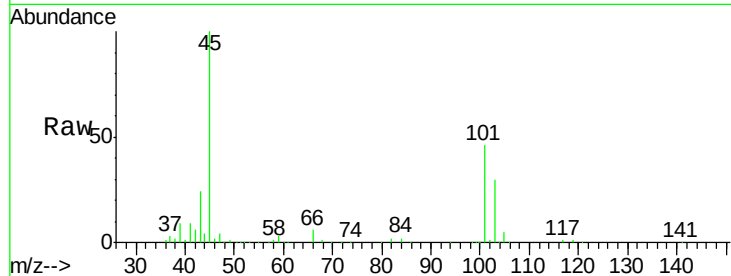
VSTDCCC010

Tot Ion: 45 Resp: 711931

Ion Ratio Lower Upper

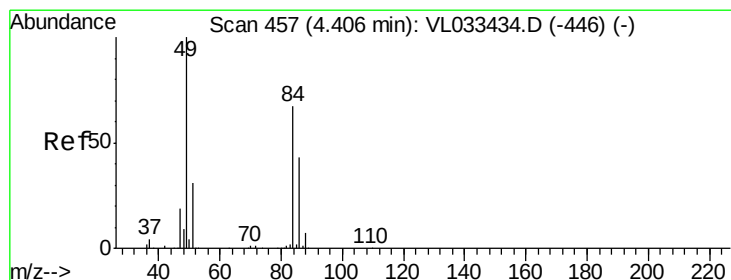
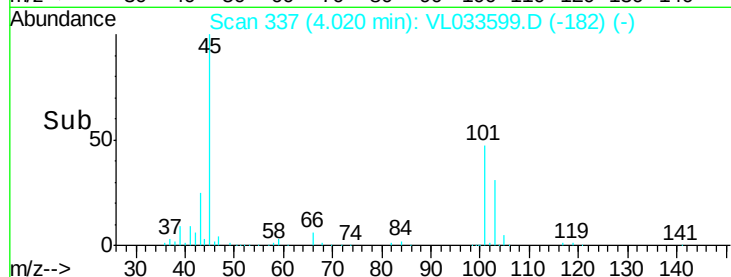
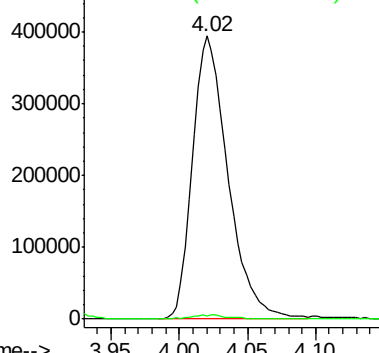
45 100

58 1.9 1.4 2.2



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 8.496 ppbv

RT: 4.41 min Scan# 457

Delta R.T. -0.00 min

Lab File: VL033599.D

Acq: 17 Apr 2019 12:51

Tgt Ion: 84 Resp: 386208

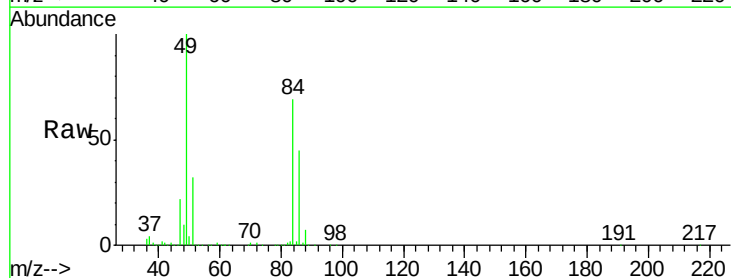
Ion Ratio Lower Upper

84 100

49 143.6 120.0 180.0

51 45.2 36.7 55.1

86 65.1 51.9 77.9

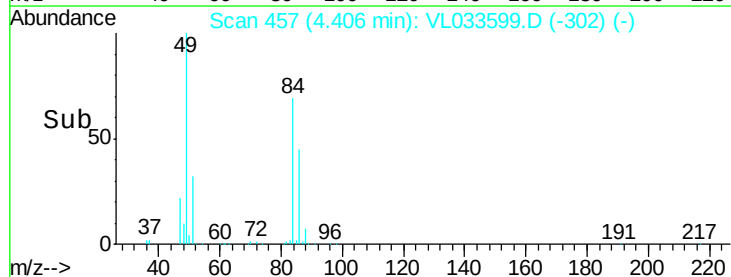
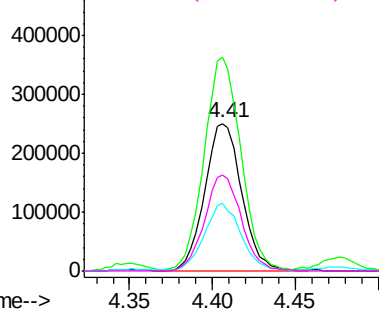


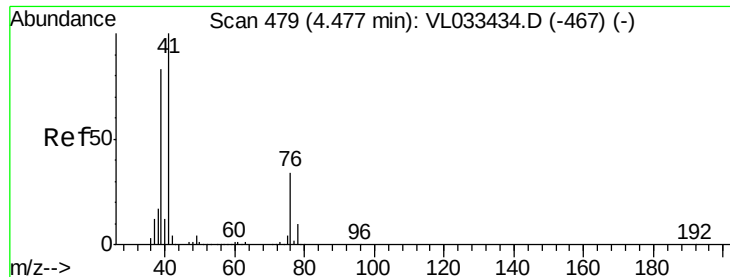
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





#21

Allvl Chloride

Concen: 9.800 ppbv

RT: 4.48 min Scan# 479

Delta R.T. -0.00 min

Lab File: VL033599.D

Acq: 17 Apr 2019 12:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

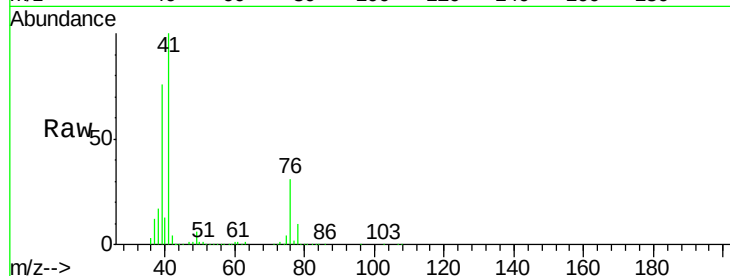
Tot Ion: 41 Resp: 663375

Ion Ratio Lower Upper

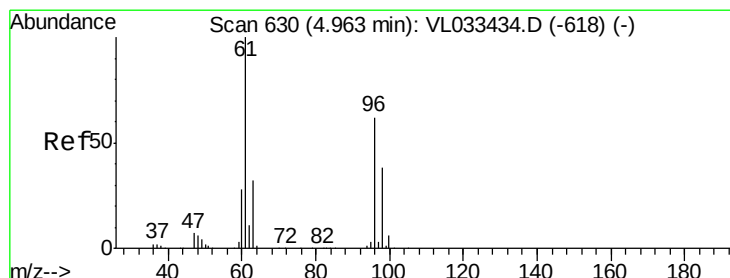
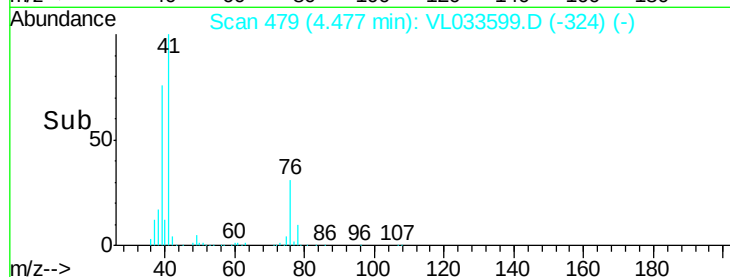
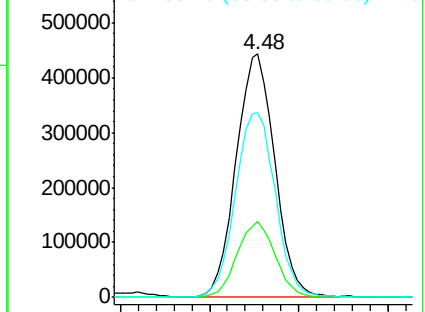
41 100

76 30.9 25.4 38.2

39 79.5 65.3 97.9



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 9.528 ppbv

RT: 4.96 min Scan# 629

Delta R.T. -0.00 min

Lab File: VL033599.D

Acq: 17 Apr 2019 12:51

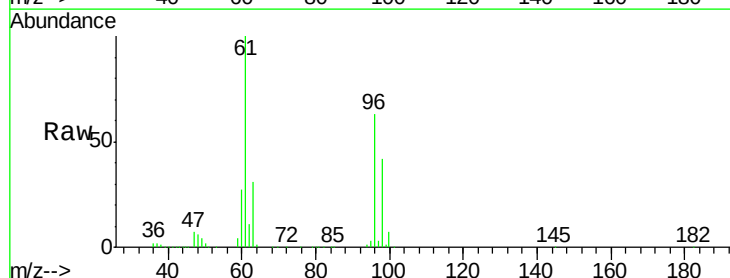
Tgt Ion: 96 Resp: 459087

Ion Ratio Lower Upper

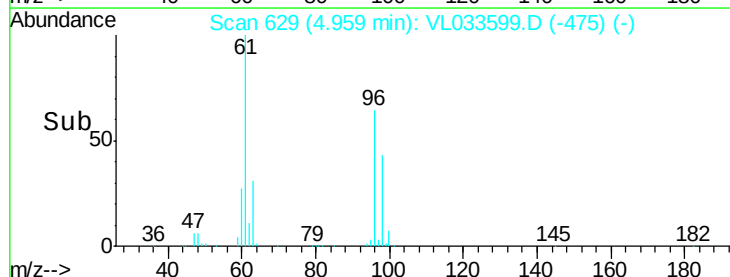
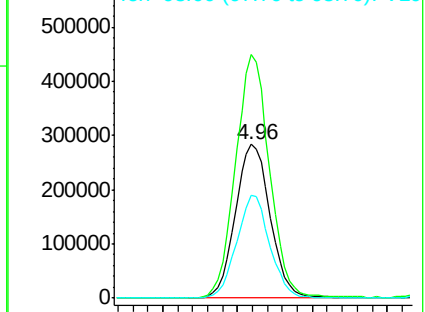
96 100

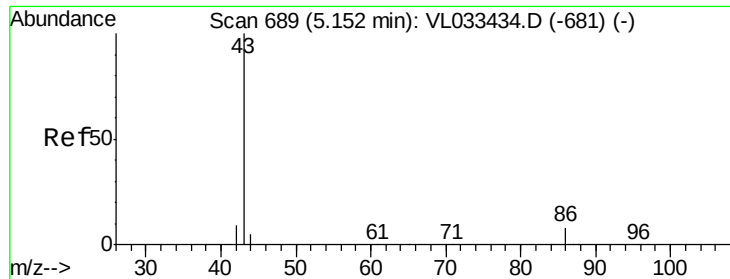
61 158.3 128.9 193.3

98 66.8 49.5 74.3



Abundance Ion 96.00 (95.70 to 96.70): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 9.805 ppbv

RT: 5.15 min Scan# 689

Delta R.T. -0.00 min

Lab File: VL033599.D

Acq: 17 Apr 2019 12:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1494413

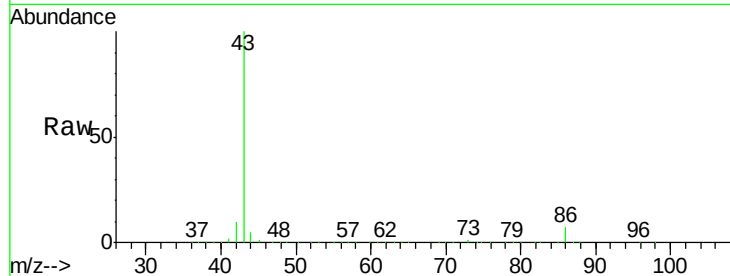
Ion Ratio Lower Upper

43 100

86 7.4 5.6 8.4

42 9.7 8.0 12.0

44 5.1 3.9 5.9

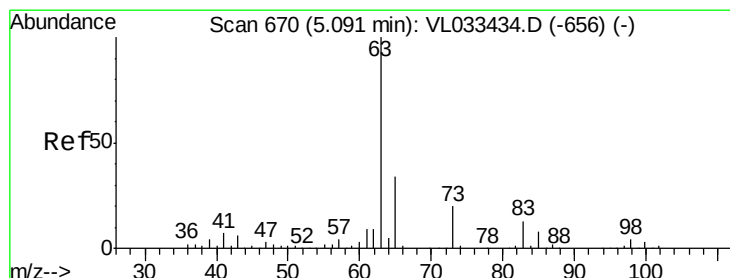
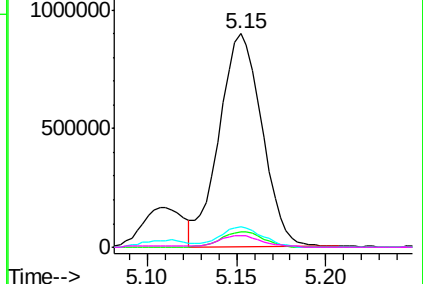
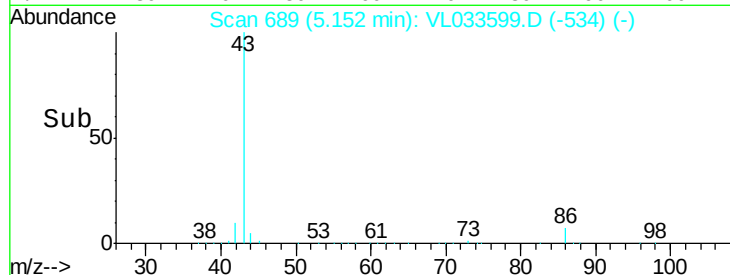


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 8.989 ppbv

RT: 5.09 min Scan# 669

Delta R.T. -0.00 min

Lab File: VL033599.D

Acq: 17 Apr 2019 12:51

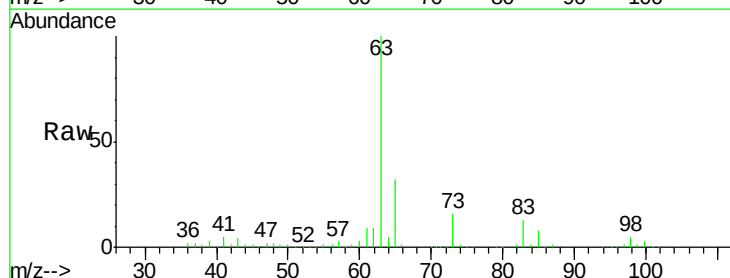
Tgt Ion: 63 Resp: 1040778

Ion Ratio Lower Upper

63 100

98 4.5 2.2 6.6

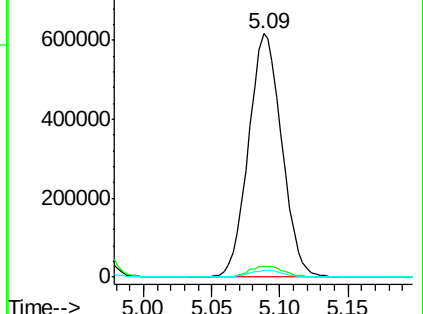
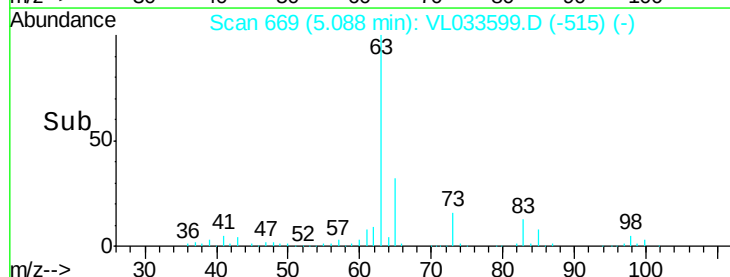
100 2.9 1.5 4.4

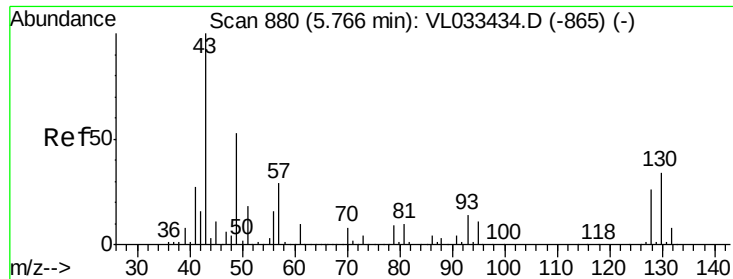


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



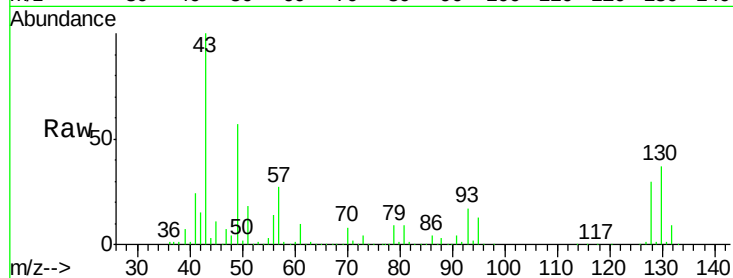


#25
Ethyl Acetate
Concen: 8.630 ppbv
RT: 5.76 min Scan# 879
Delta R.T. -0.00 min
Lab File: VL033599.D
Acq: 17 Apr 2019 12:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1714578

Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.8	11.6
61	9.2	7.3	10.9
70	7.2	5.6	8.4



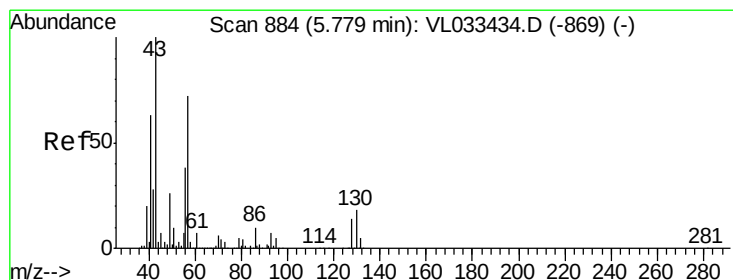
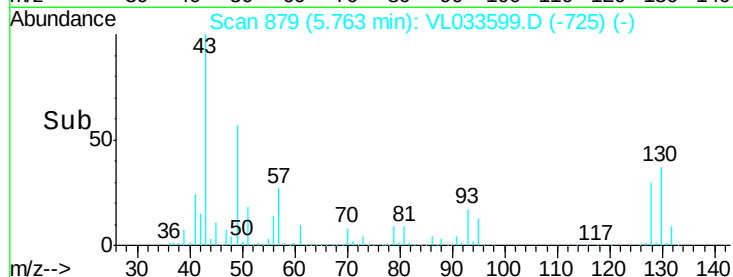
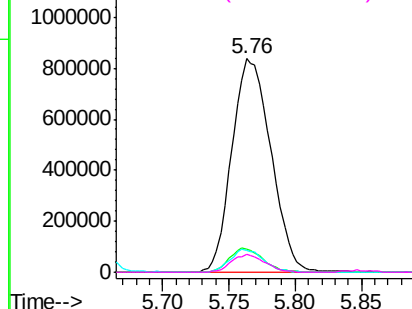
Abundance

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

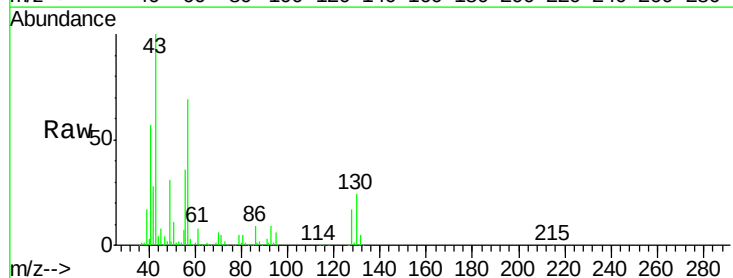
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 8.806 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.00 min
Lab File: VL033599.D
Acq: 17 Apr 2019 12:51

Tgt Ion: 57 Resp: 777938

Ion	Ratio	Lower	Upper
57	100		
41	86.5	70.7	106.1
43	221.7	182.6	274.0
56	52.3	42.0	63.0



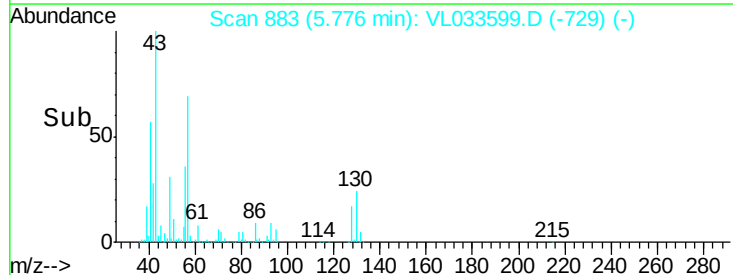
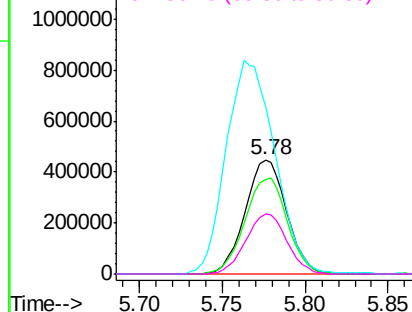
Abundance

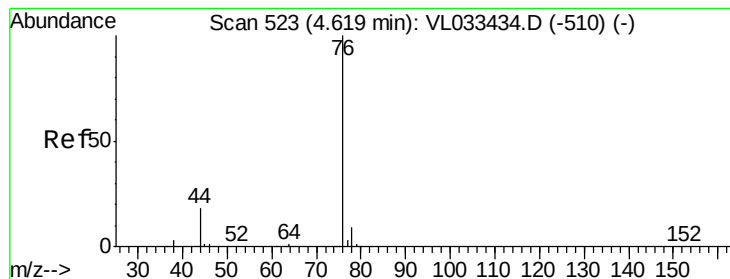
Ion 57.10 (56.80 to 57.80): VL0

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: 10.375 ppbv

RT: 4.62 min Scan# 523

Delta R.T. -0.00 min

Lab File: VL033599.D

Acq: 17 Apr 2019 12:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

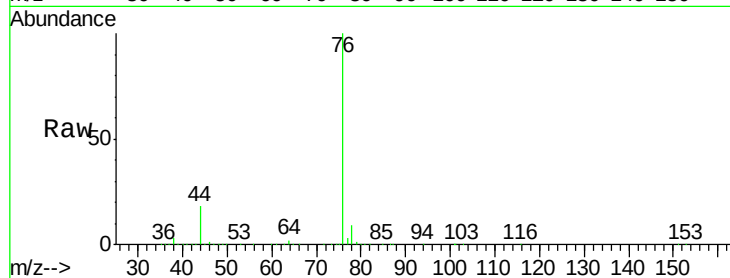
Tot Ion: 76 Resp: 1089875

Ion Ratio Lower Upper

76 100

44 17.6 14.8 22.2

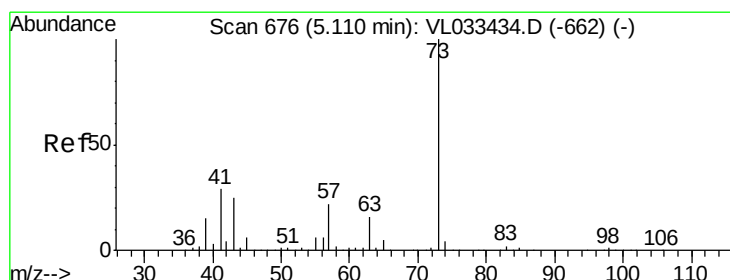
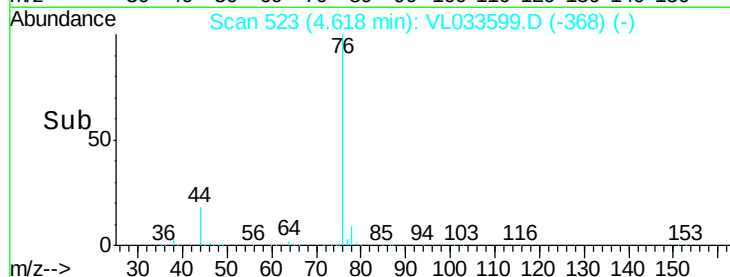
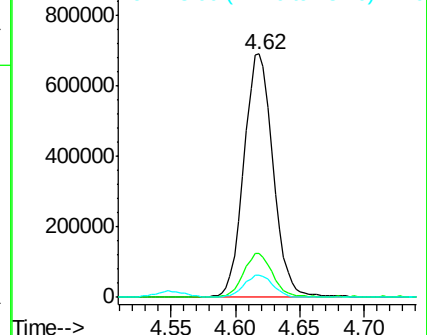
78 9.0 7.6 11.4



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: 9.794 ppbv

RT: 5.11 min Scan# 675

Delta R.T. -0.00 min

Lab File: VL033599.D

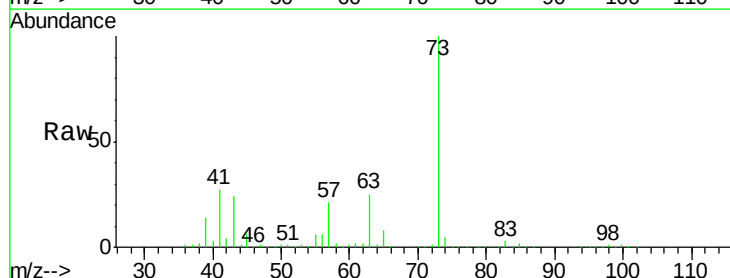
Acq: 17 Apr 2019 12:51

Tgt Ion: 73 Resp: 1246118

Ion Ratio Lower Upper

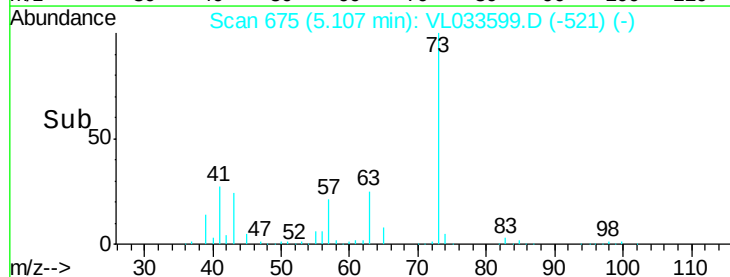
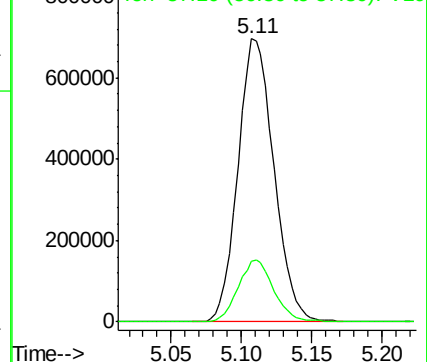
73 100

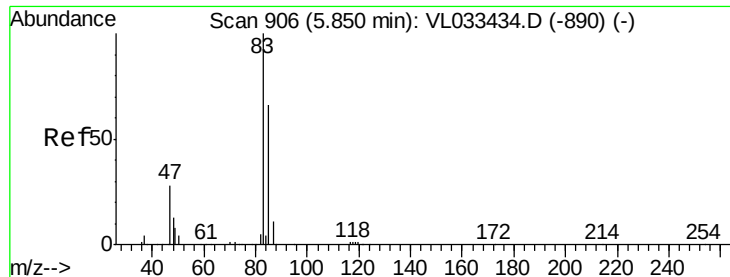
57 21.7 17.4 26.2



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

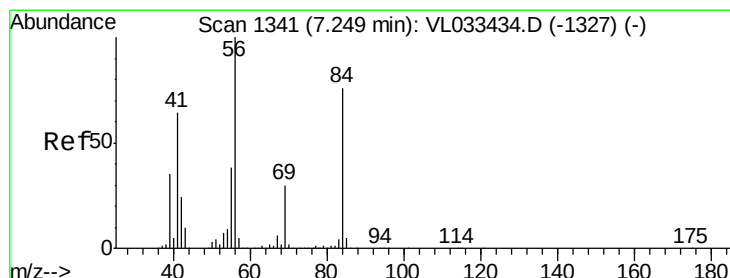
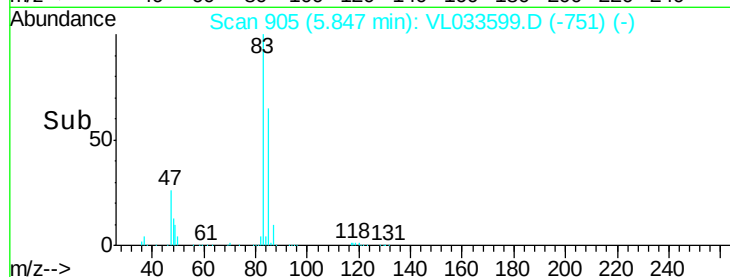
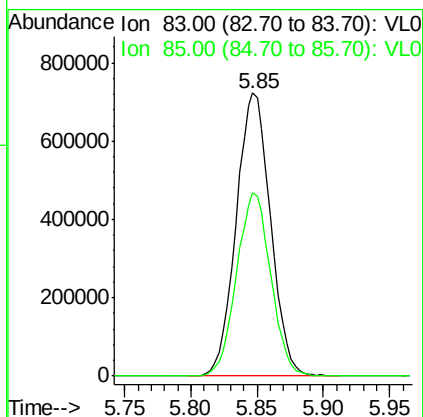
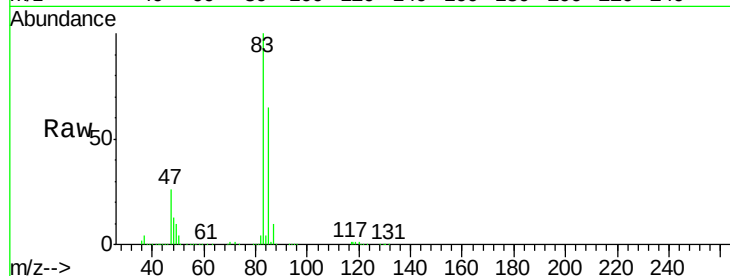




#29
Chloroform
Concen: 8.569 ppbv
RT: 5.85 min Scan# 905
Delta R.T. -0.00 min
Lab File: VL033599.D
Acq: 17 Apr 2019 12:51

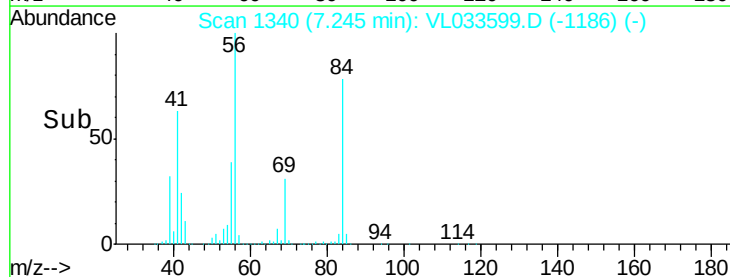
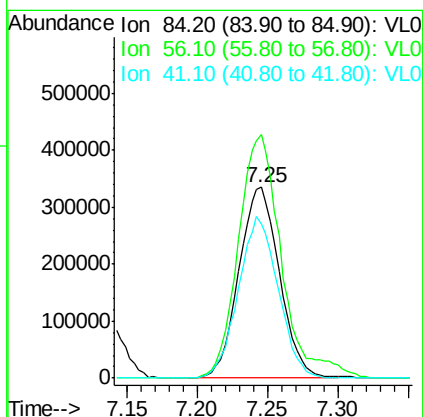
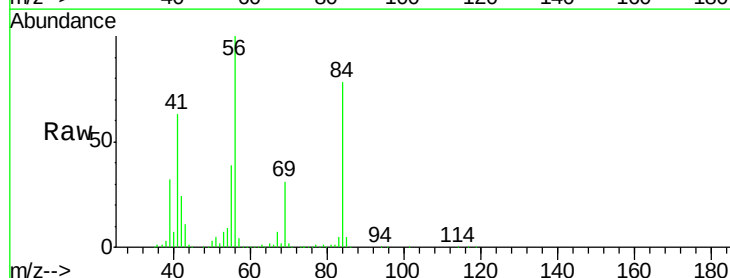
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

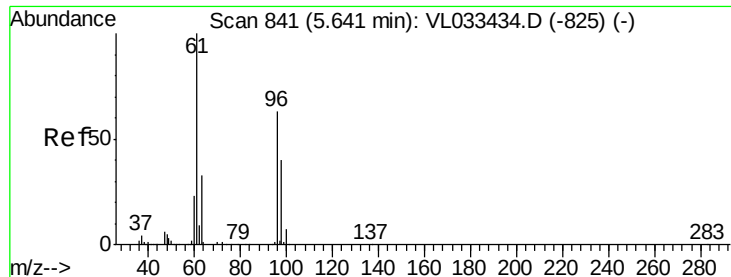
Tot Ion: 83 Resp: 1297563
Ion Ratio Lower Upper
83 100
85 64.9 52.6 79.0



#30
Cyclohexane
Concen: 9.676 ppbv
RT: 7.25 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VL033599.D
Acq: 17 Apr 2019 12:51

Tgt Ion: 84 Resp: 676221
Ion Ratio Lower Upper
84 100
56 135.6 109.7 164.5
41 82.9 68.2 102.2



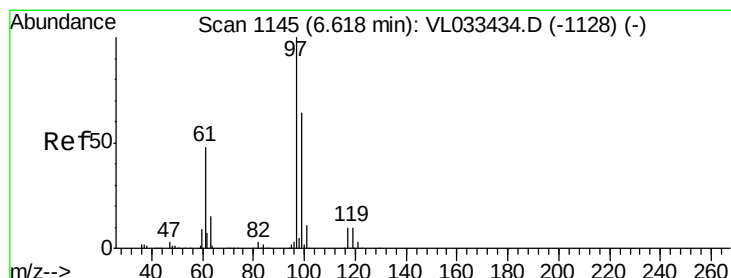
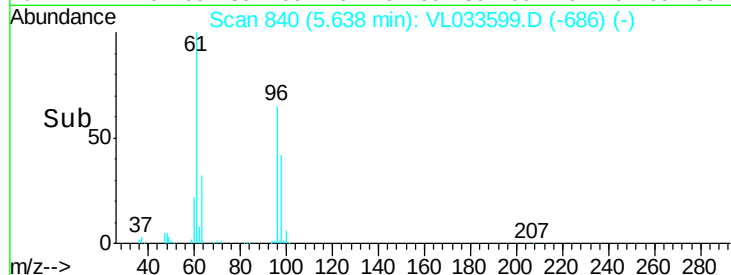
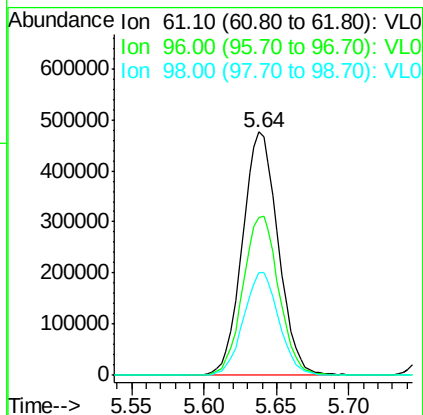
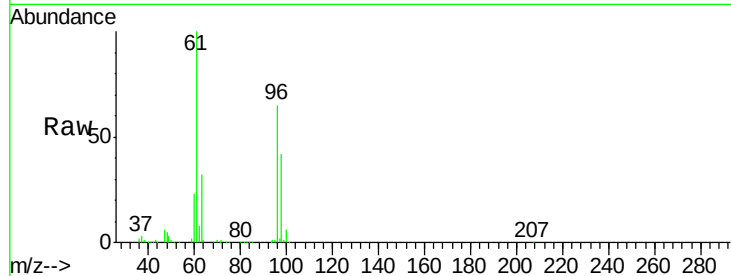


#31

cis-1,2-Dichloroethene
 Concen: 9.292 ppbv
 RT: 5.64 min Scan# 840
 Delta R.T. -0.00 min
 Lab File: VL033599.D
 Acq: 17 Apr 2019 12:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

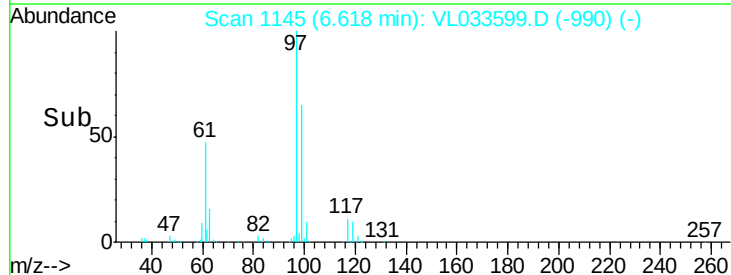
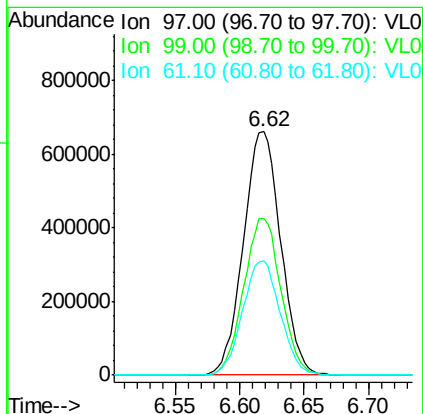
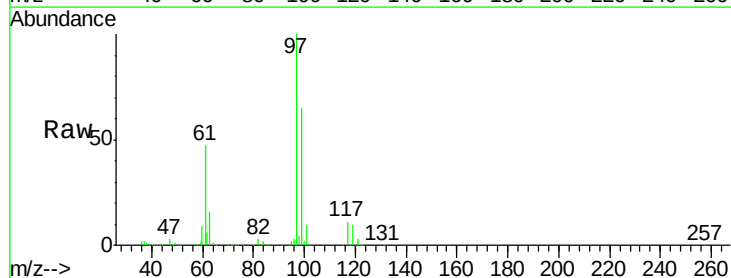
Tot Ion	61.10	Resp	816125
Ion	Ratio	Lower	Upper
61	100		
96	64.9	50.6	76.0
98	42.3	32.2	48.2

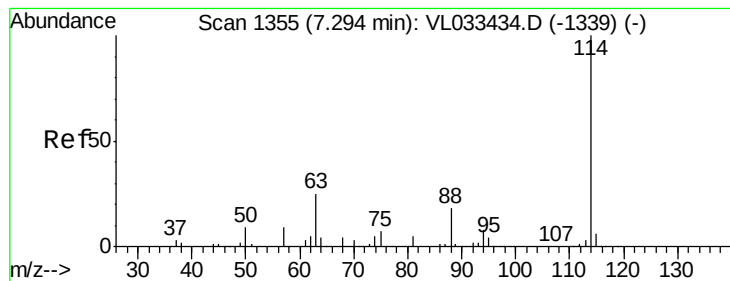


#32

1,1,1-Trichloroethane
 Concen: 9.244 ppbv
 RT: 6.62 min Scan# 1145
 Delta R.T. -0.00 min
 Lab File: VL033599.D
 Acq: 17 Apr 2019 12:51

Tgt Ion	97	Resp	1333014
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.5	77.3
61	47.3	38.8	58.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1354

Delta R.T. -0.00 min

Lab File: VL033599.D

Acq: 17 Apr 2019 12:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

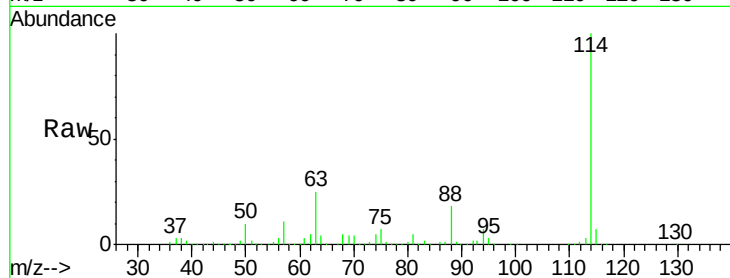
Tot Ion:114 Resp: 2212220

Ion Ratio Lower Upper

114 100

63 26.1 21.5 32.3

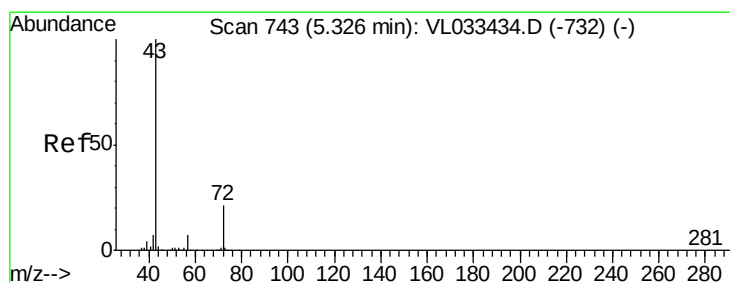
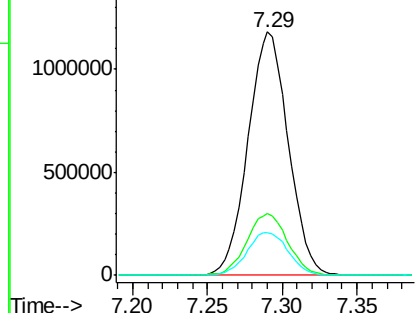
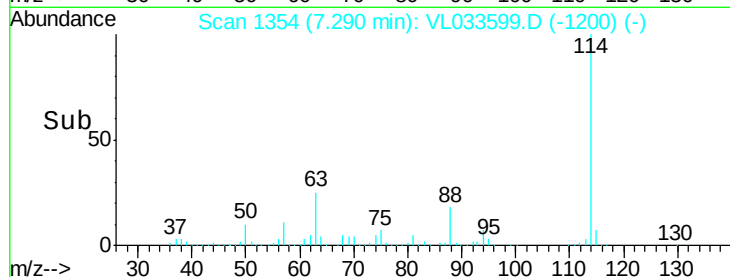
88 18.1 14.5 21.7



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 8.732 ppbv

RT: 5.33 min Scan# 743

Delta R.T. -0.00 min

Lab File: VL033599.D

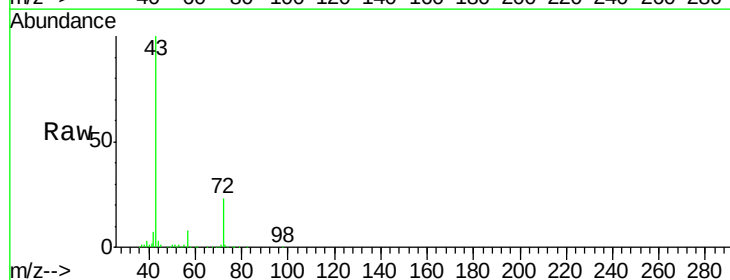
Acq: 17 Apr 2019 12:51

Tgt Ion: 43 Resp: 1160603

Ion Ratio Lower Upper

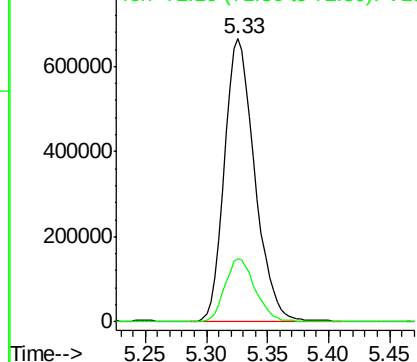
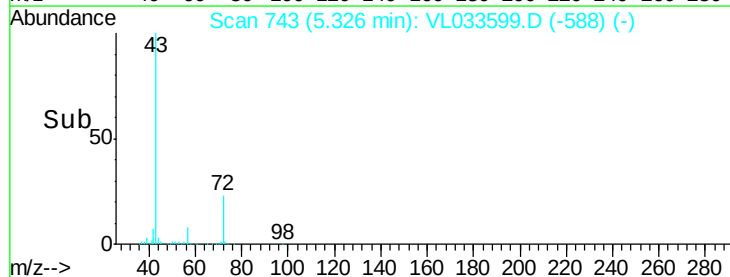
43 100

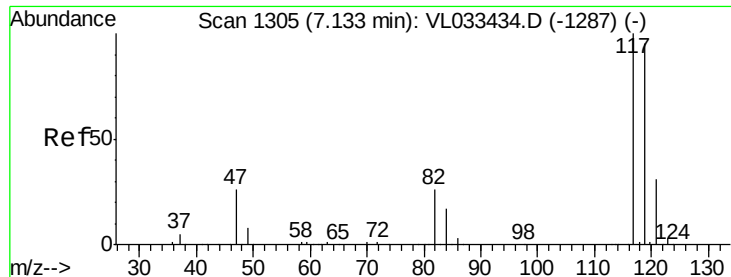
72 22.5 17.4 26.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 8.954 ppbv

RT: 7.13 min Scan# 1305

Delta R.T. -0.00 min

Lab File: VL033599.D

Acq: 17 Apr 2019 12:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

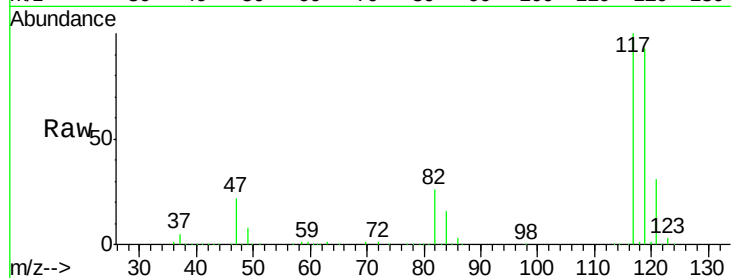
Tot Ion:117 Resp: 1402969

Ion Ratio Lower Upper

117 100

119 93.2 75.8 113.8

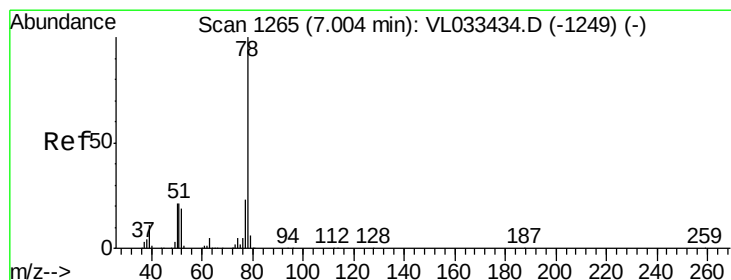
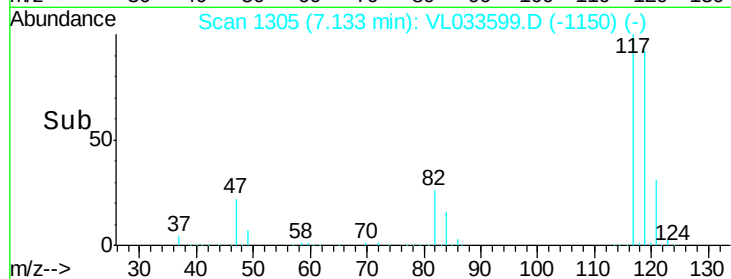
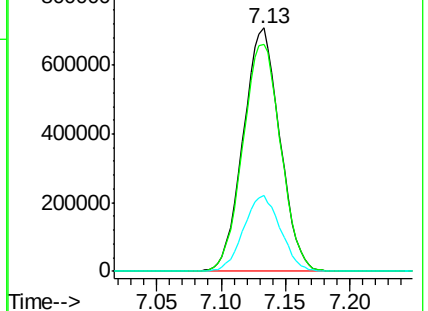
121 31.3 24.7 37.1



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: 8.895 ppbv

RT: 7.00 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VL033599.D

Acq: 17 Apr 2019 12:51

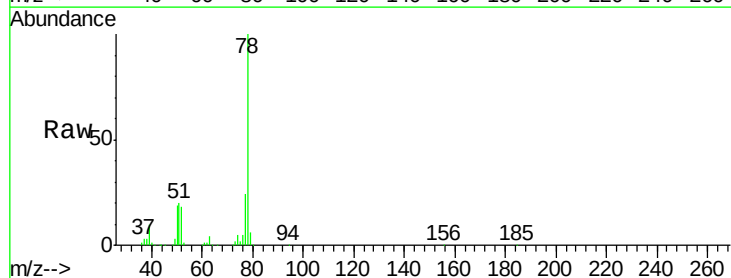
Tgt Ion: 78 Resp: 1651059

Ion Ratio Lower Upper

78 100

77 23.6 18.1 27.1

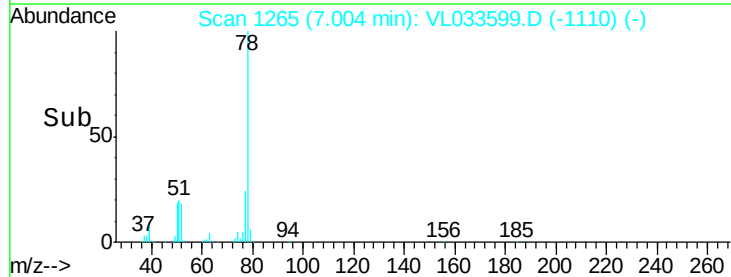
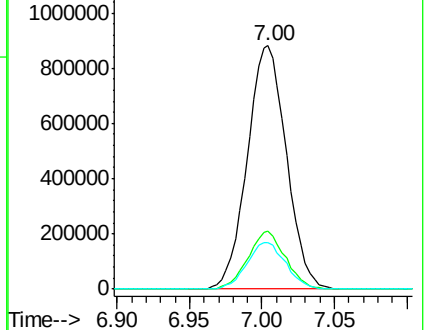
50 19.0 16.7 25.1

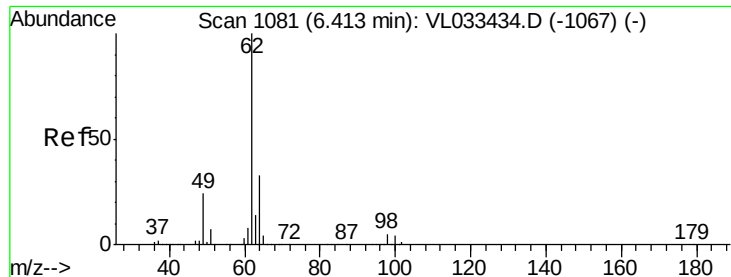


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

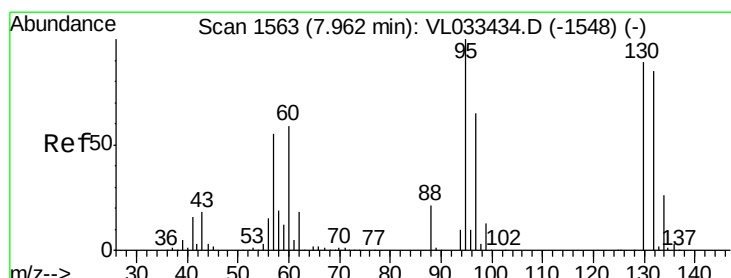
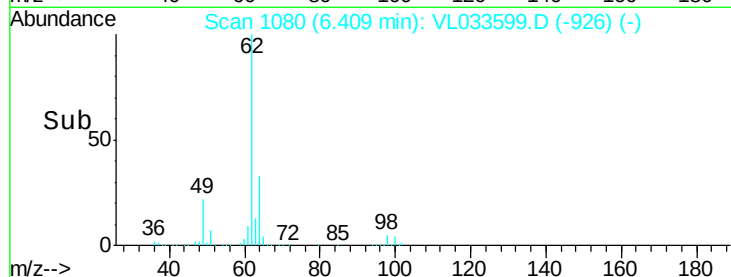
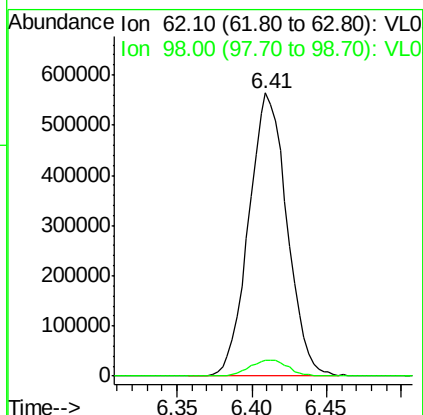
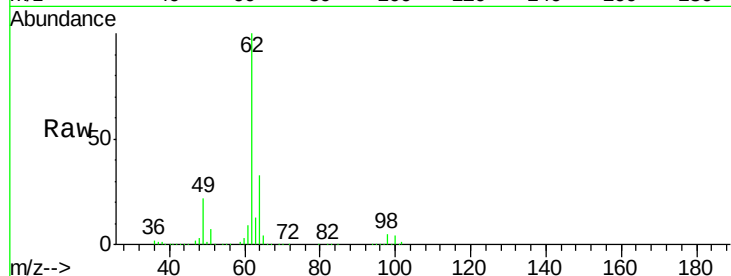




#37
 1,2-Dichloroethane
 Concen: 8.064 ppbv
 RT: 6.41 min Scan# 1080
 Delta R.T. -0.00 min
 Lab File: VL033599.D
 Acq: 17 Apr 2019 12:51

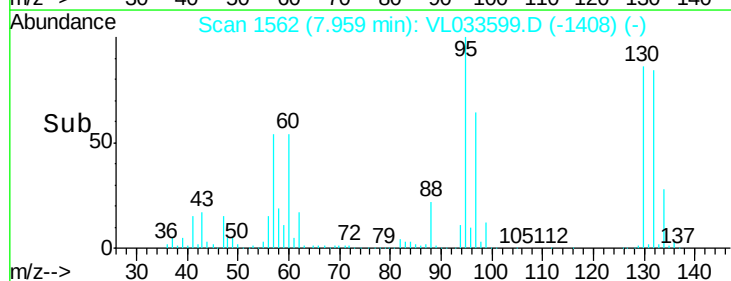
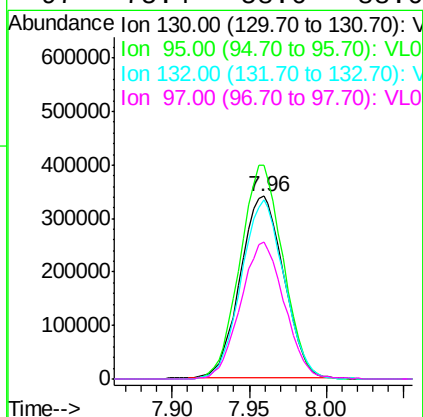
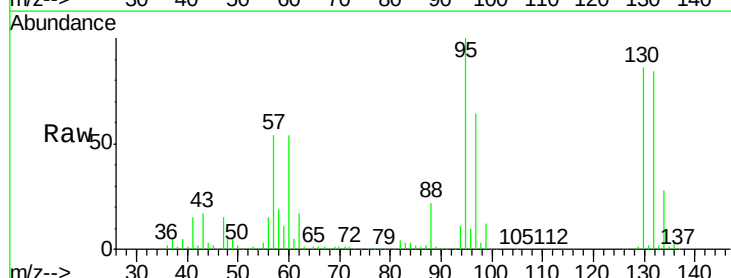
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

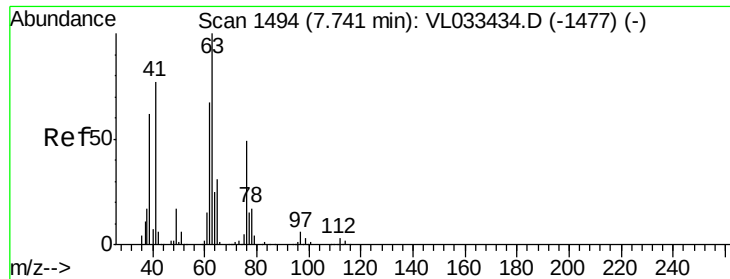
Tot Ion: 62 Resp: 1003278
 Ion Ratio Lower Upper
 62 100
 98 5.9 4.4 6.6



#38
 Trichloroethene
 Concen: 9.553 ppbv
 RT: 7.96 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: VL033599.D
 Acq: 17 Apr 2019 12:51

Tgt Ion: 130 Resp: 667351
 Ion Ratio Lower Upper
 130 100
 95 117.3 89.8 134.8
 132 98.7 76.6 115.0
 97 75.4 58.6 88.0





#39

1,2-Dichloropropane

Concen: 8.726 ppbv

RT: 7.74 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VL033599.D

Acq: 17 Apr 2019 12:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

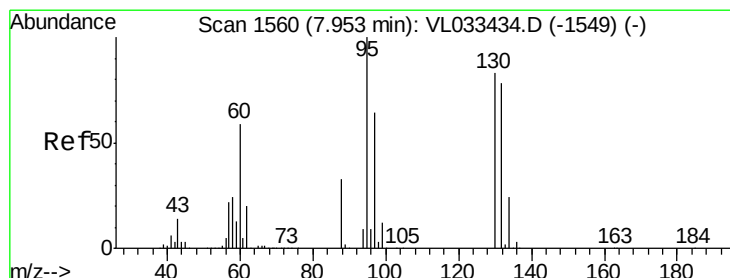
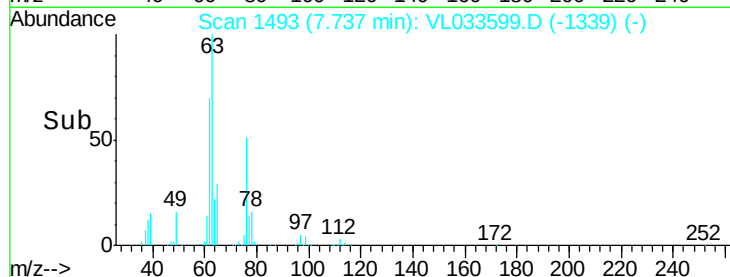
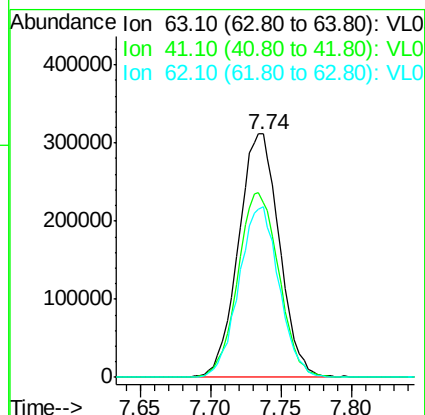
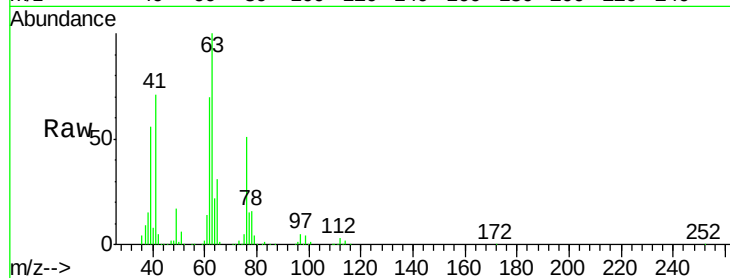
Tot Ion: 63 Resp: 634510

Ion Ratio Lower Upper

63 100

41 71.3 61.2 91.8

62 69.8 54.0 81.0



#40

1,4-Dioxane

Concen: 9.365 ppbv

RT: 7.95 min Scan# 1560

Delta R.T. -0.00 min

Lab File: VL033599.D

Acq: 17 Apr 2019 12:51

Tgt Ion: 88 Resp: 242885

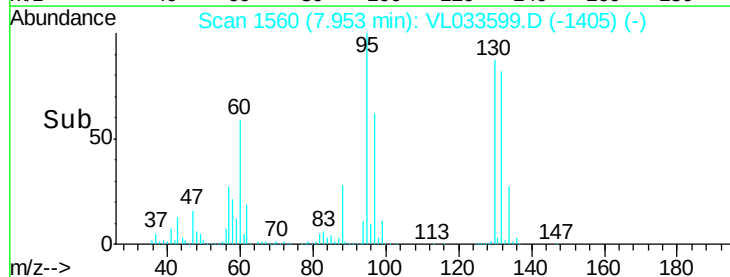
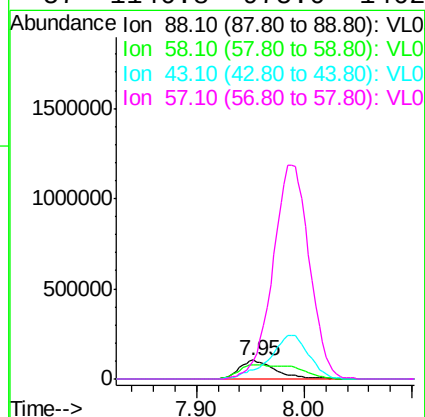
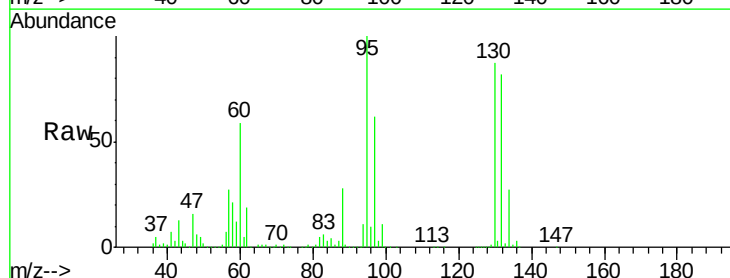
Ion Ratio Lower Upper

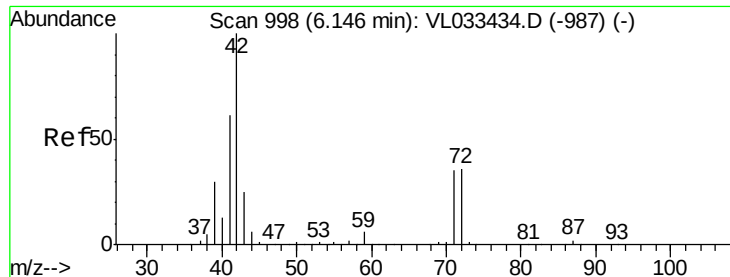
88 100

58 126.3 105.6 158.4

43 252.8 216.7 325.1

57 1146.8 975.0 1462.4





#41

Tetrahydrofuran

Concen: 8.833 ppbv

RT: 6.15 min Scan# 998

Delta R.T. -0.00 min

Lab File: VL033599.D

Acq: 17 Apr 2019 12:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

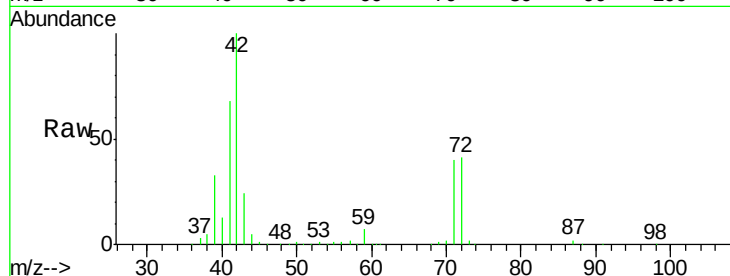
Tot Ion: 42 Resp: 645720

Ion Ratio Lower Upper

42 100

72 39.8 30.2 45.2

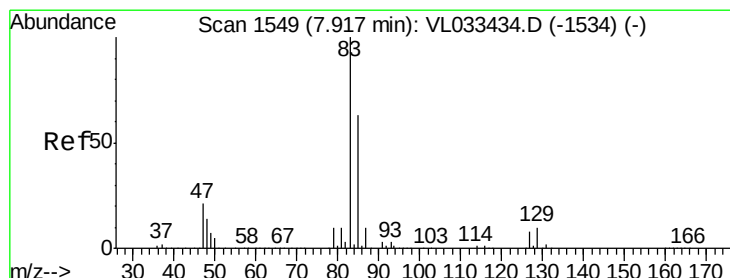
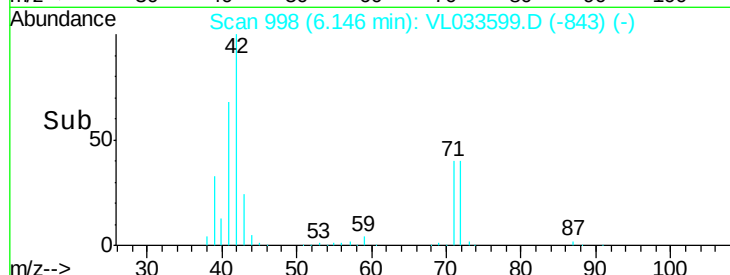
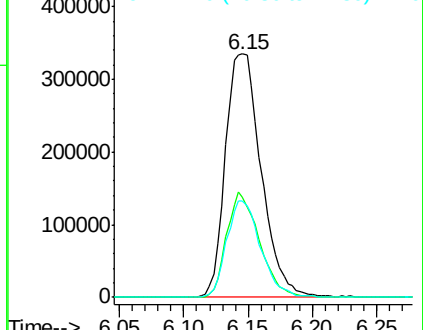
71 38.0 29.4 44.2



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: 8.741 ppbv

RT: 7.91 min Scan# 1548

Delta R.T. -0.00 min

Lab File: VL033599.D

Acq: 17 Apr 2019 12:51

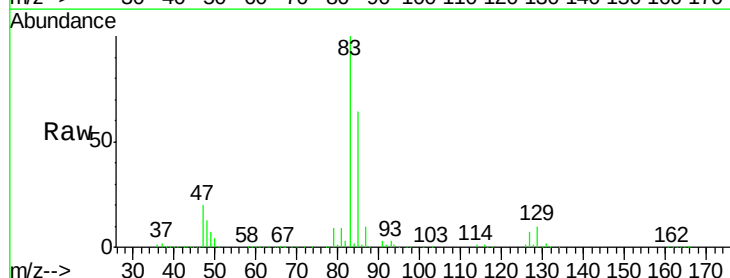
Tgt Ion: 83 Resp: 1481249

Ion Ratio Lower Upper

83 100

85 63.6 50.7 76.1

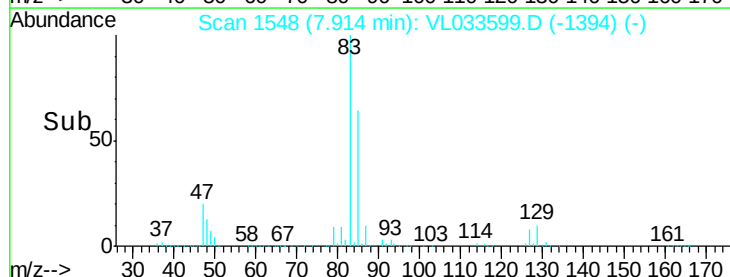
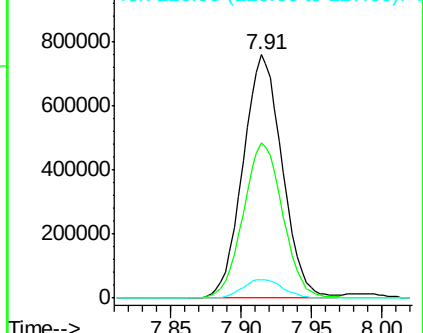
127 7.5 6.6 9.8

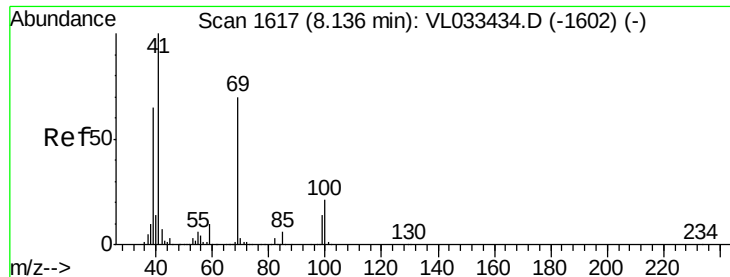


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

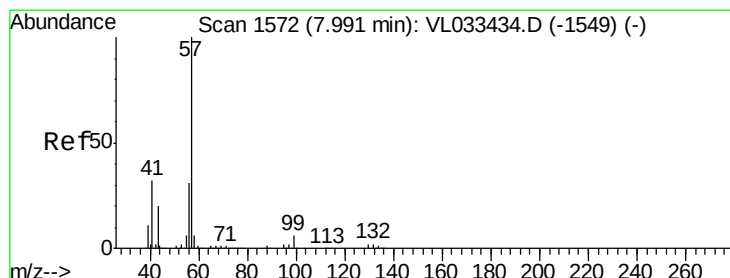
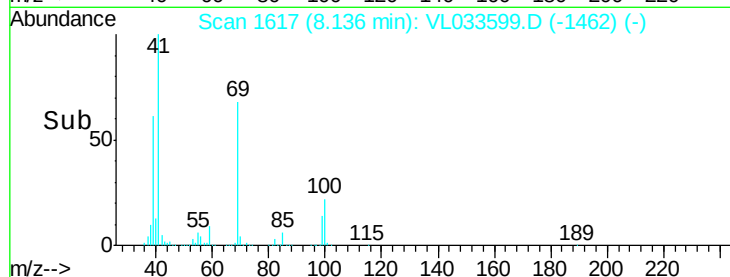
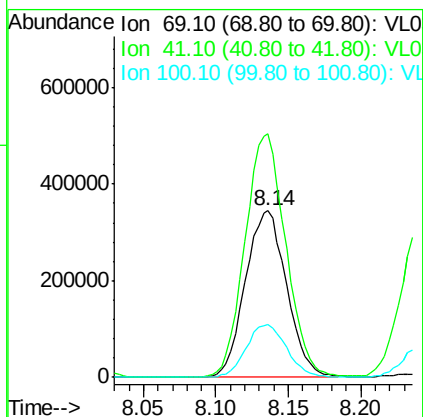
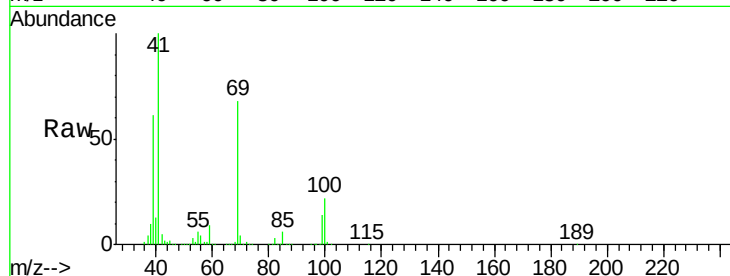




#43
Methyl Methacrylate
Concen: 9.070 ppbv
RT: 8.14 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VL033599.D
Acq: 17 Apr 2019 12:51

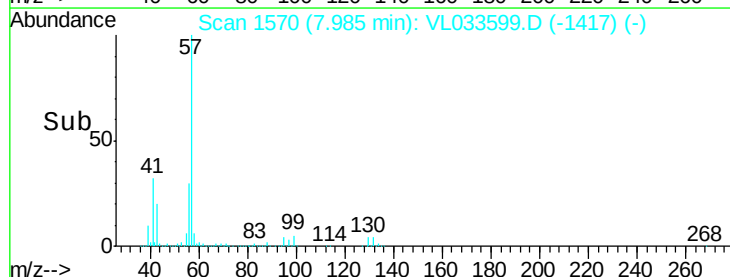
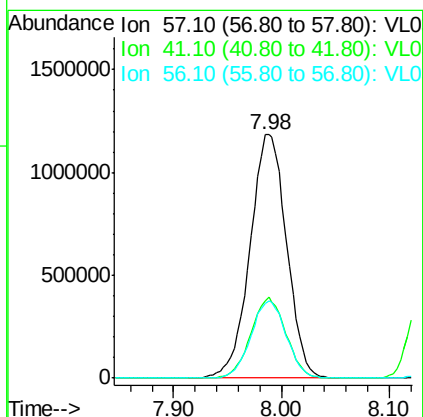
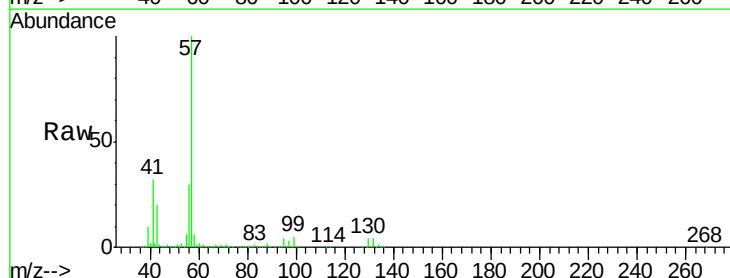
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

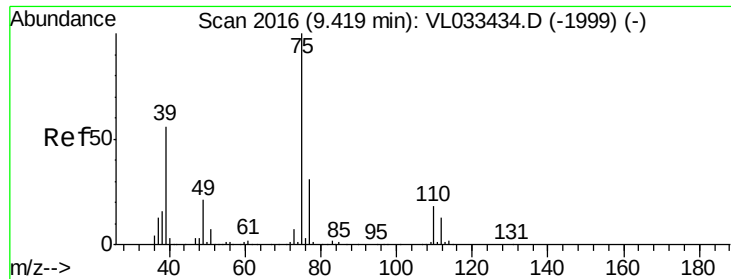
Tot Ion: 69 Resp: 683641
Ion Ratio Lower Upper
69 100
41 144.0 116.6 174.8
100 31.3 24.4 36.6



#44
2,2,4-Trimethylpentane
Concen: 8.580 ppbv
RT: 7.98 min Scan# 1570
Delta R.T. -0.01 min
Lab File: VL033599.D
Acq: 17 Apr 2019 12:51

Tgt Ion: 57 Resp: 2783028
Ion Ratio Lower Upper
57 100
41 31.7 26.0 39.0
56 30.7 24.6 37.0





#45

t-1,3-Dichloropropene

Concen: 10.146 ppbv

RT: 9.41 min Scan# 2014

Delta R.T. -0.01 min

Lab File: VL033599.D

Acq: 17 Apr 2019 12:51

Instrument :

MSVOA_L

ClientSampleId :

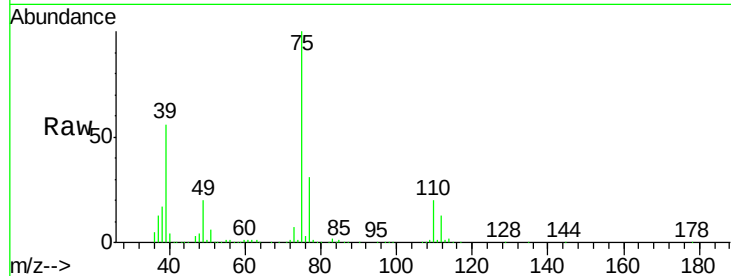
VSTDCCC010

Tot Ion: 75 Resp: 938864

Ion Ratio Lower Upper

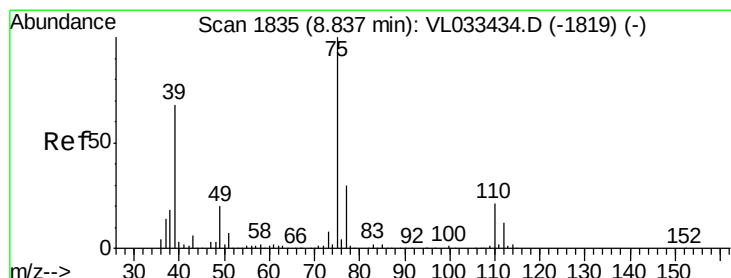
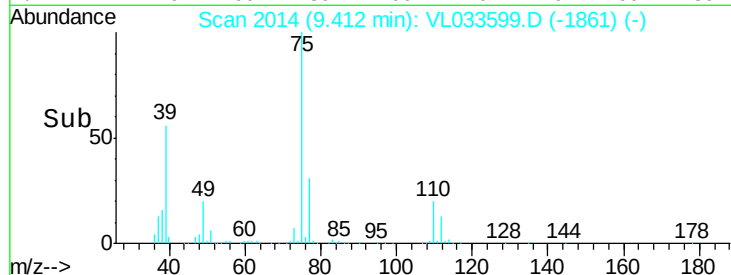
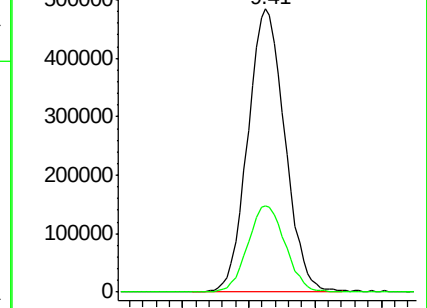
75 100

77 30.5 24.5 36.7



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: 9.563 ppbv

RT: 8.83 min Scan# 1834

Delta R.T. -0.00 min

Lab File: VL033599.D

Acq: 17 Apr 2019 12:51

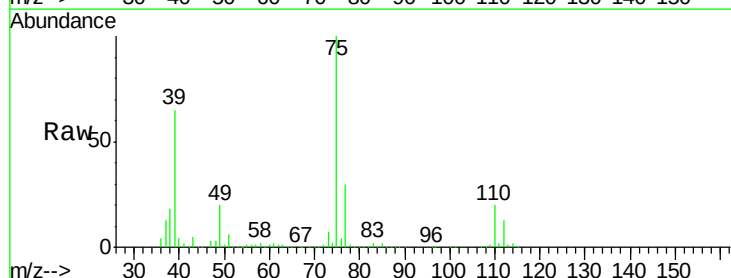
Tgt Ion: 75 Resp: 1033416

Ion Ratio Lower Upper

75 100

39 64.5 54.1 81.1

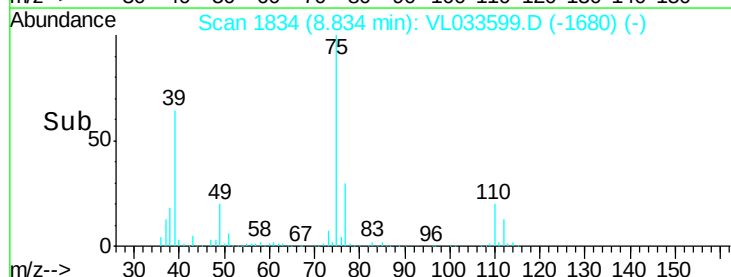
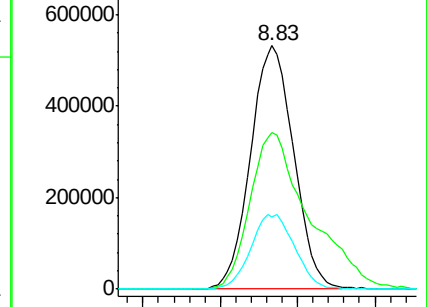
77 29.7 23.9 35.9

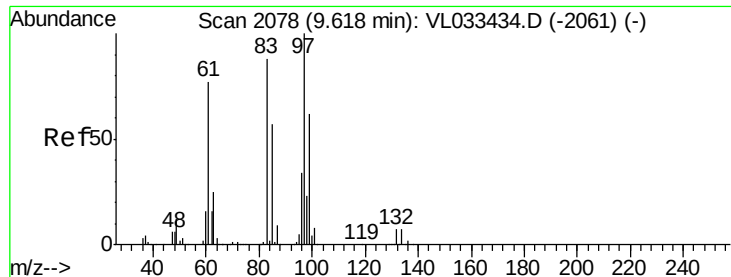


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





#47

1,1,2-Trichloroethane

Concen: 8.546 ppbv

RT: 9.61 min Scan# 2077

Delta R.T. -0.00 min

Lab File: VL033599.D

Acq: 17 Apr 2019 12:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 97 Resp: 705612

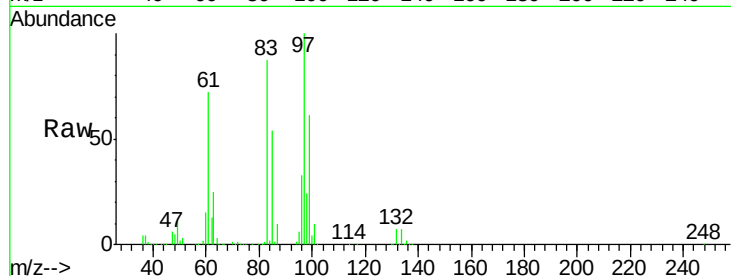
Ion Ratio Lower Upper

97 100

83 86.9 70.5 105.7

85 54.4 45.6 68.4

99 61.4 49.4 74.0

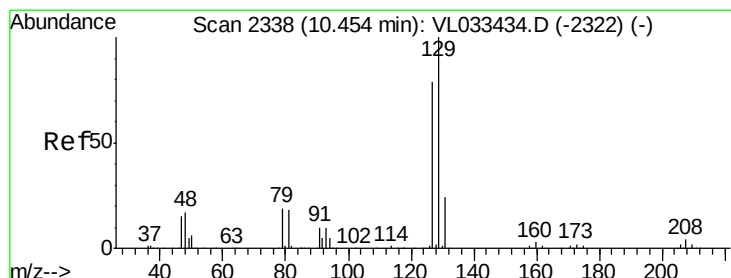
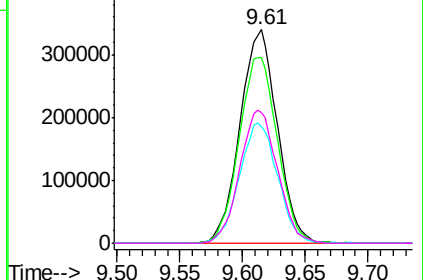
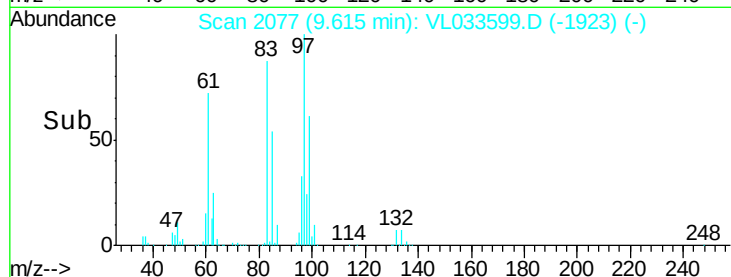


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 9.207 ppbv

RT: 10.45 min Scan# 2337

Delta R.T. -0.00 min

Lab File: VL033599.D

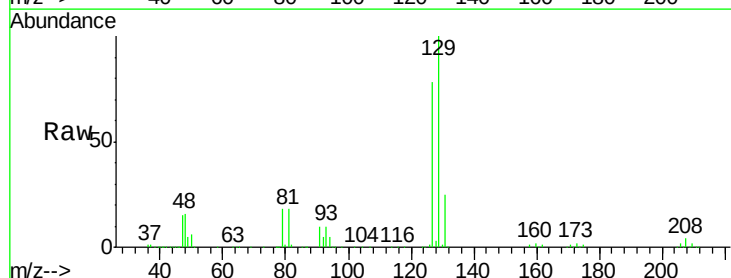
Acq: 17 Apr 2019 12:51

Tgt Ion: 129 Resp: 1282267

Ion Ratio Lower Upper

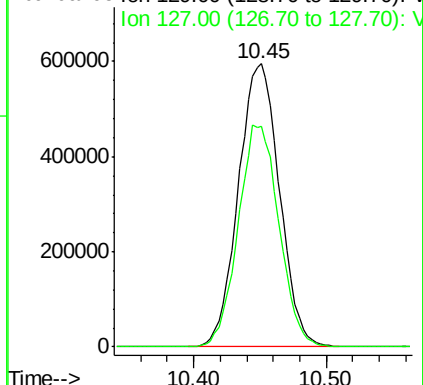
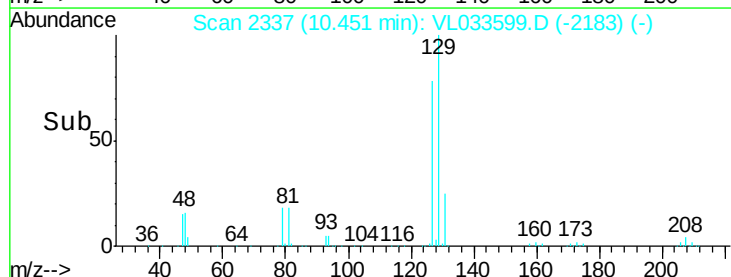
129 100

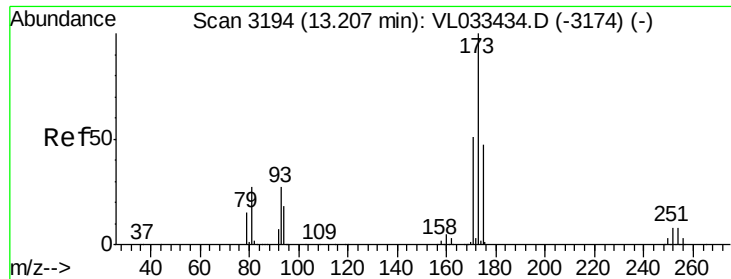
127 77.8 39.1 117.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 8.771 ppbv

RT: 13.20 min Scan# 3192

Delta R.T. -0.01 min

Lab File: VL033599.D

Acq: 17 Apr 2019 12:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

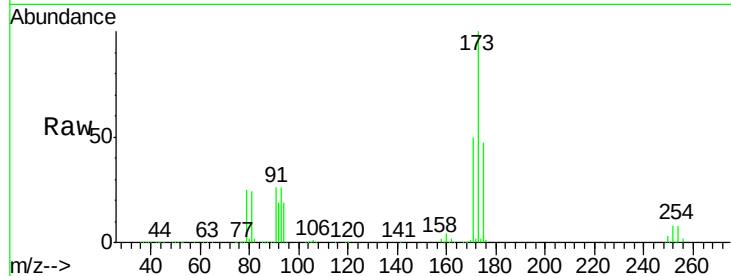
Tot Ion:173 Resp: 1167012

Ion Ratio Lower Upper

173 100

175 49.1 39.3 58.9

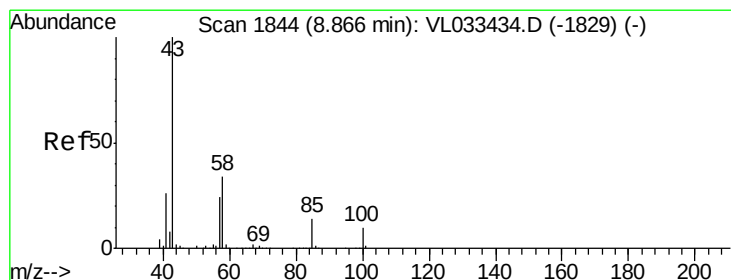
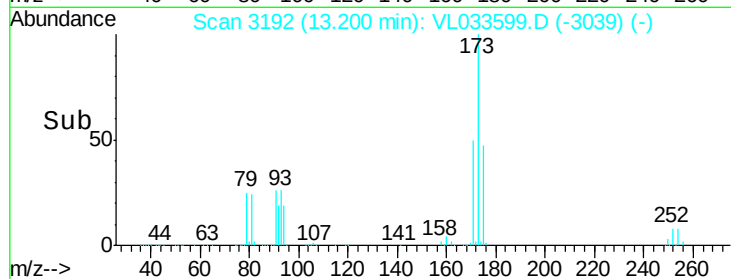
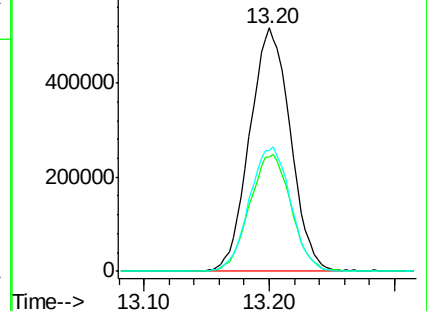
171 51.8 41.2 61.8



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: 8.612 ppbv

RT: 8.87 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VL033599.D

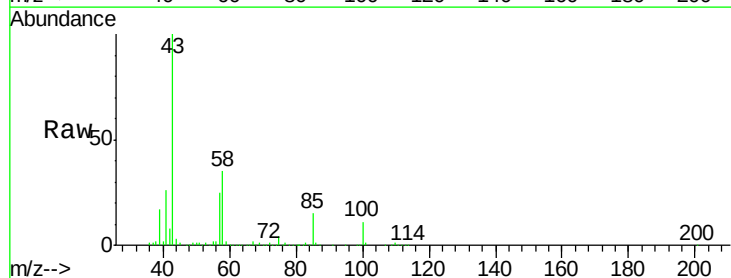
Acq: 17 Apr 2019 12:51

Tgt Ion: 43 Resp: 1675991

Ion Ratio Lower Upper

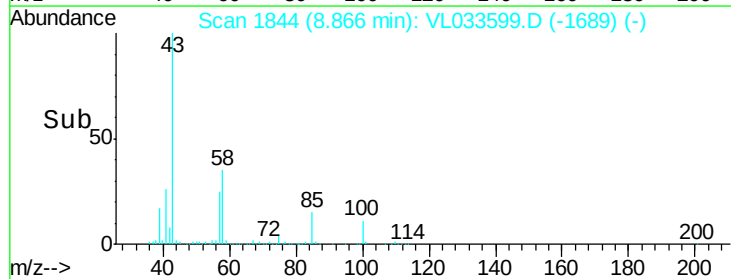
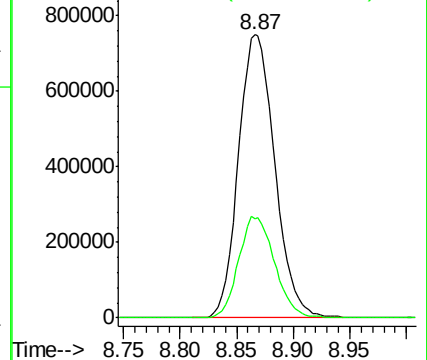
43 100

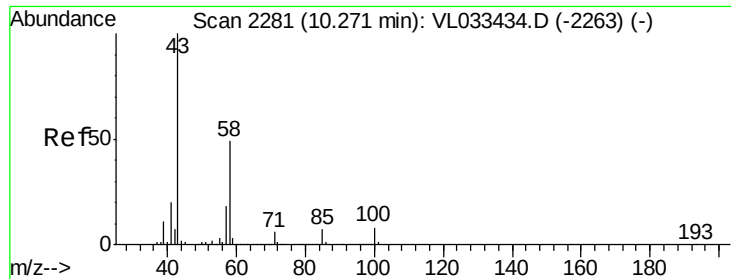
58 35.6 28.0 42.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

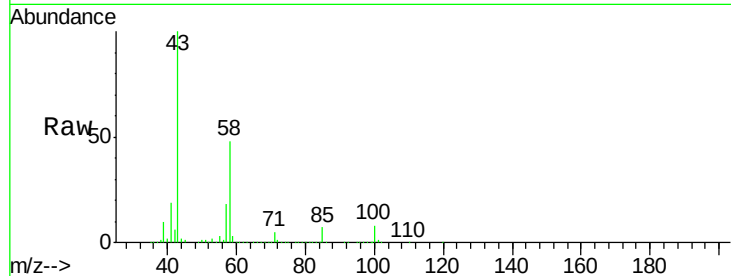




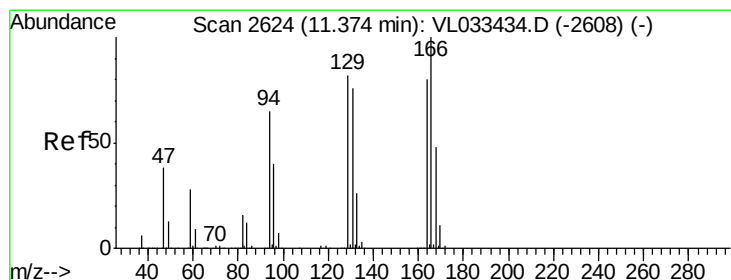
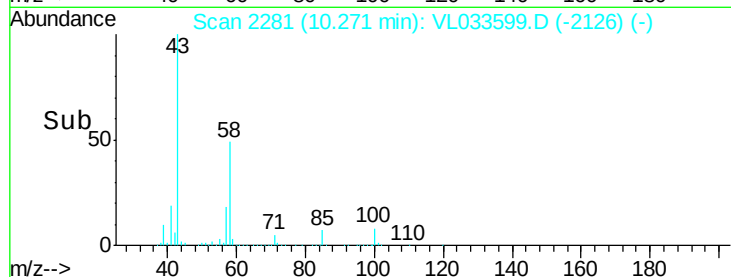
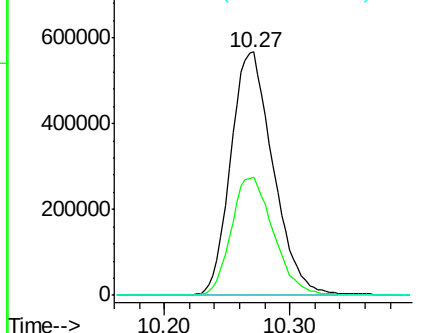
#51
2-Hexanone
Concen: 9.162 ppbv
RT: 10.27 min Scan# 2281
Delta R.T. -0.00 min
Lab File: VL033599.D
Acq: 17 Apr 2019 12:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1330078
Ion Ratio Lower Upper
43 100
58 48.6 38.2 57.2
98 0.3 0.2 0.2#

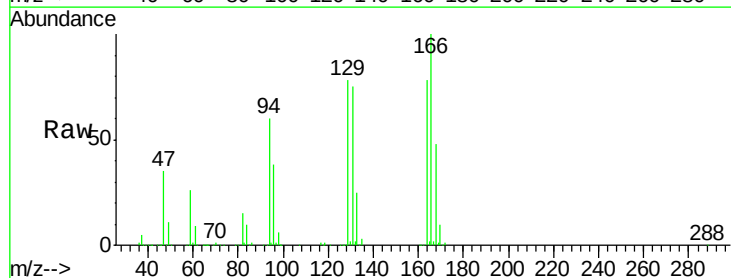


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0

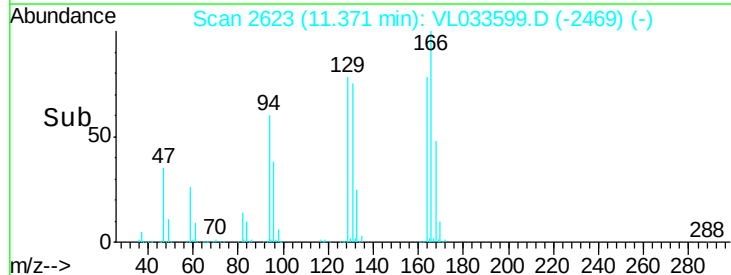
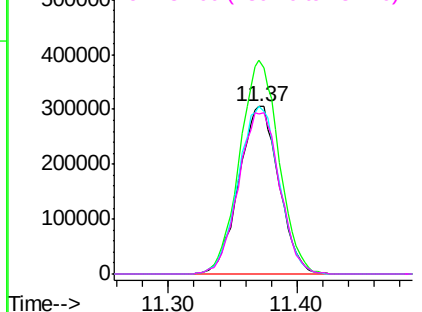


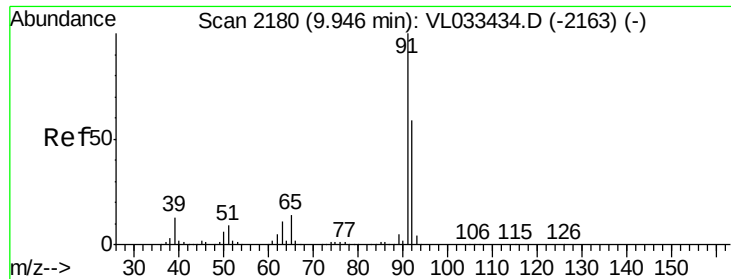
#52
Tetrachloroethene
Concen: 9.374 ppbv
RT: 11.37 min Scan# 2623
Delta R.T. -0.00 min
Lab File: VL033599.D
Acq: 17 Apr 2019 12:51

Tgt Ion: 164 Resp: 656487
Ion Ratio Lower Upper
164 100
166 127.3 99.5 149.3
129 99.8 81.4 122.2
131 95.6 75.6 113.4



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





#53

Toluene

Concen: 9.272 ppbv

RT: 9.94 min Scan# 2179

Delta R.T. -0.00 min

Lab File: VL033599.D

Acq: 17 Apr 2019 12:51

Instrument :

MSVOA_L

ClientSampleId :

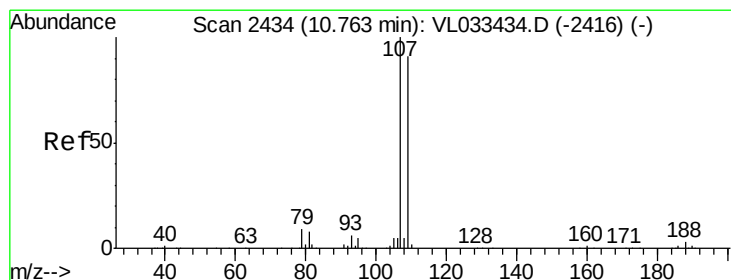
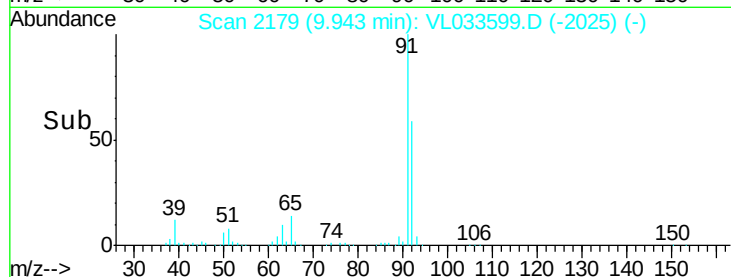
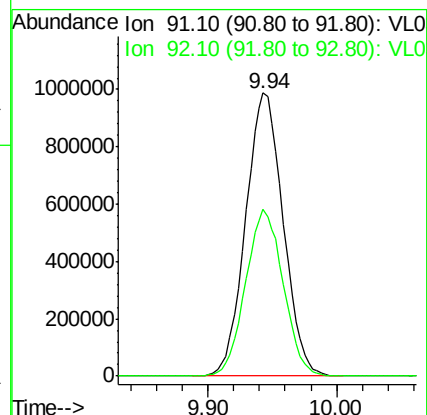
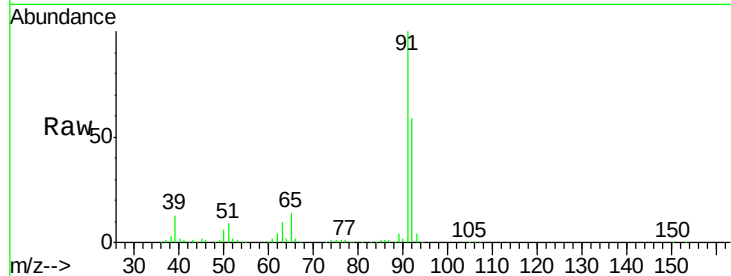
VSTDCCC010

Tot Ion: 91 Resp: 2000050

Ion Ratio Lower Upper

91 100

92 59.0 47.4 71.0



#54

1,2-Dibromoethane

Concen: 8.723 ppbv

RT: 10.76 min Scan# 2432

Delta R.T. -0.01 min

Lab File: VL033599.D

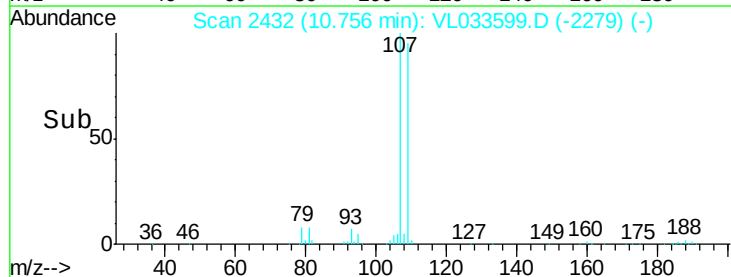
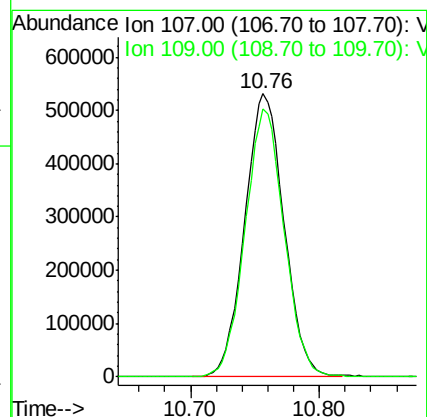
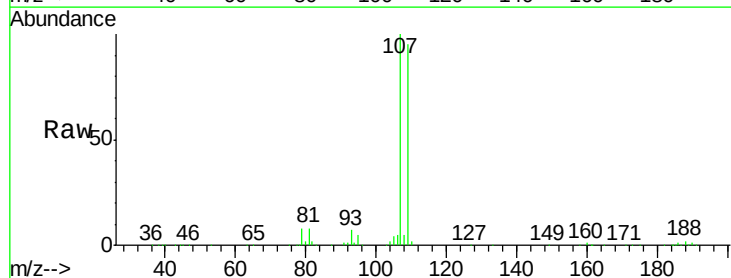
Acq: 17 Apr 2019 12:51

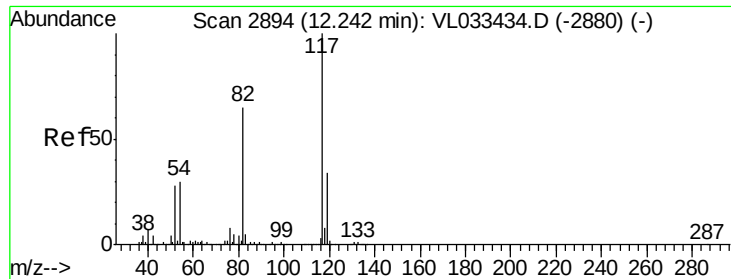
Tgt Ion: 107 Resp: 1126547

Ion Ratio Lower Upper

107 100

109 94.7 72.7 109.1

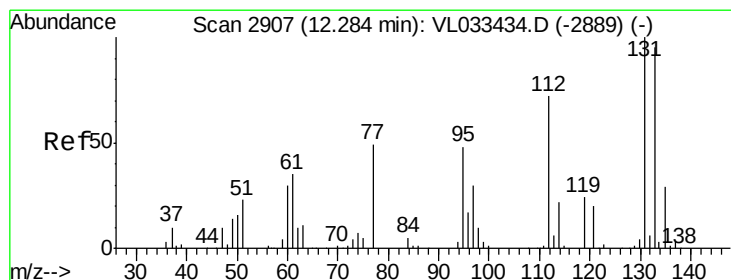
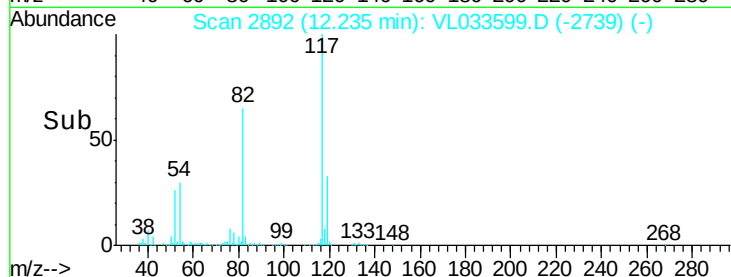
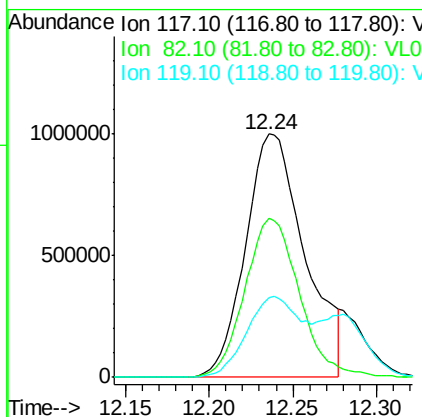
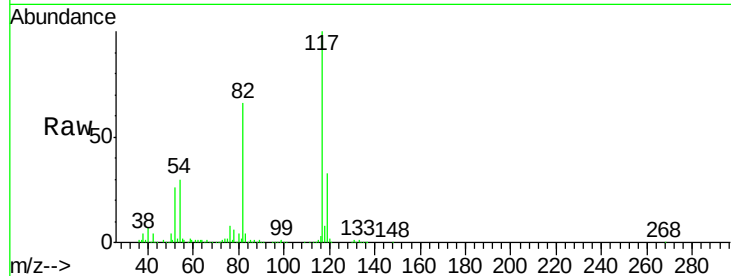




#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.24 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL033599.D
Acq: 17 Apr 2019 12:51

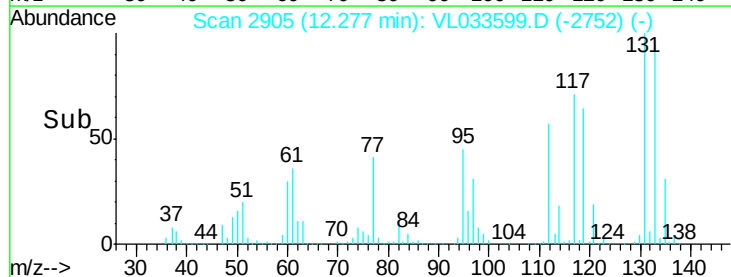
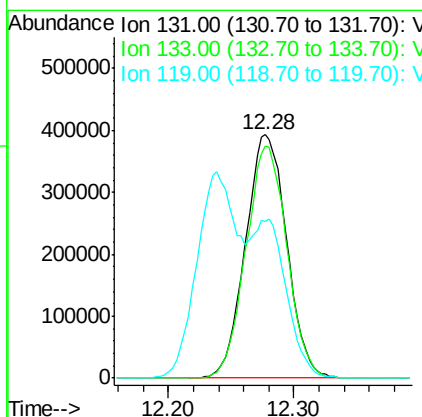
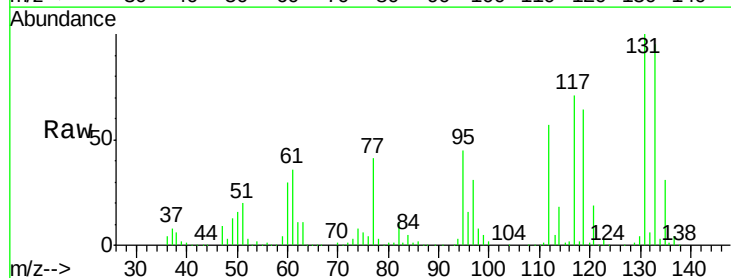
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

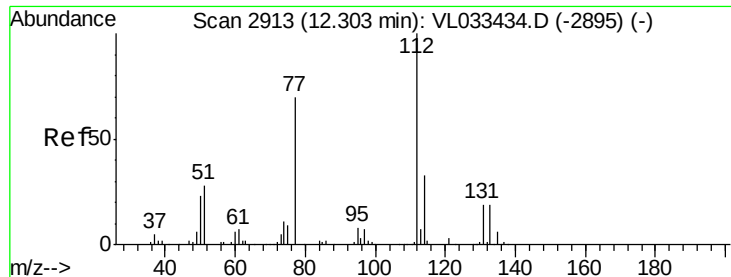
Tot Ion:117 Resp: 2470089
Ion Ratio Lower Upper
117 100
82 60.3 51.5 77.3
119 51.4 25.5 38.3#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.944 ppbv
RT: 12.28 min Scan# 2905
Delta R.T. -0.01 min
Lab File: VL033599.D
Acq: 17 Apr 2019 12:51

Tgt Ion:131 Resp: 899343
Ion Ratio Lower Upper
131 100
133 95.2 76.2 114.4
119 141.2 45.0 67.6#





#57

Chlorobenzene

Concen: 7.882 ppbv

RT: 12.30 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VL033599.D

Acq: 17 Apr 2019 12:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

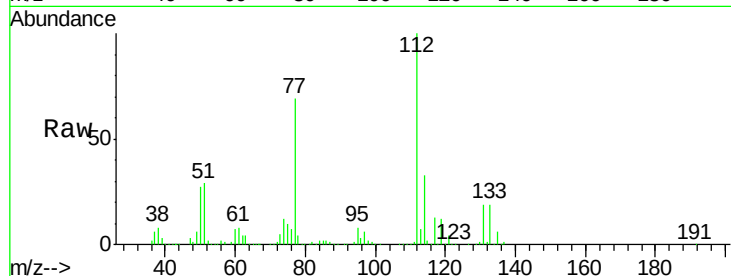
Tot Ion:112 Resp: 1511782

Ion Ratio Lower Upper

112 100

77 68.5 57.3 85.9

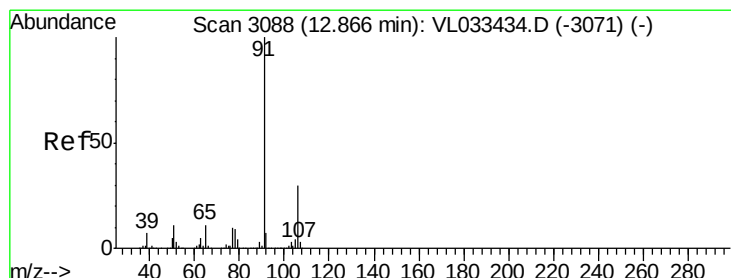
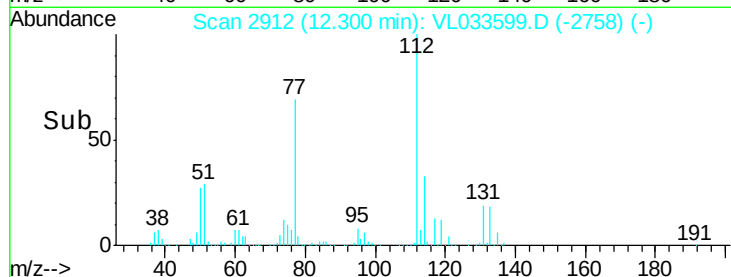
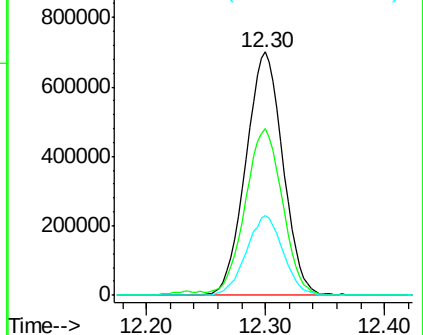
114 32.5 29.8 36.4



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: 8.359 ppbv

RT: 12.86 min Scan# 3087

Delta R.T. -0.00 min

Lab File: VL033599.D

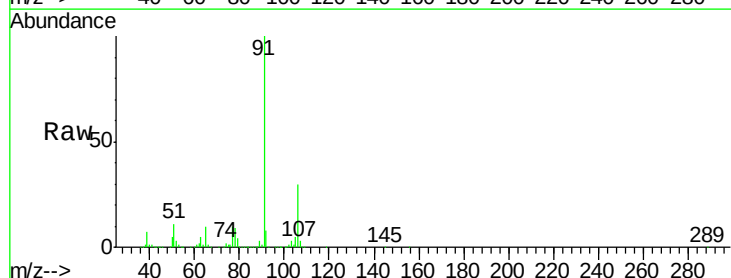
Acq: 17 Apr 2019 12:51

Tgt Ion: 91 Resp: 2757300

Ion Ratio Lower Upper

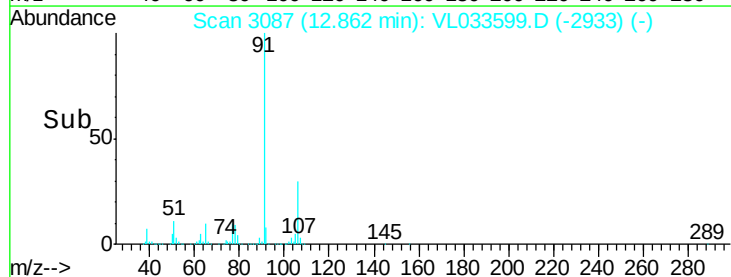
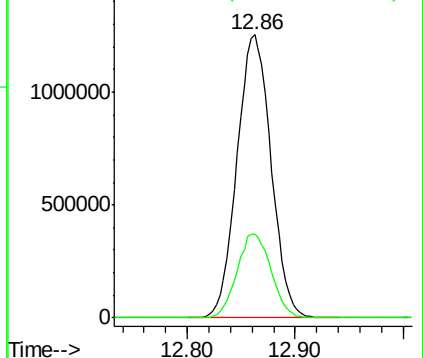
91 100

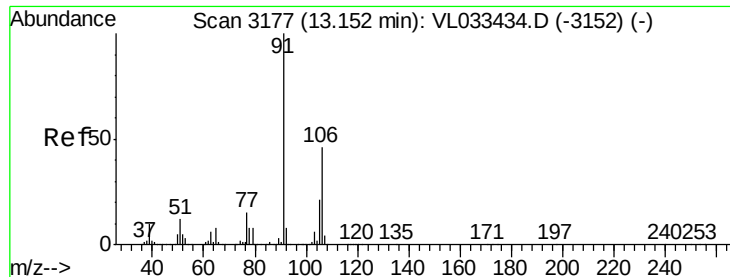
106 29.7 23.8 35.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

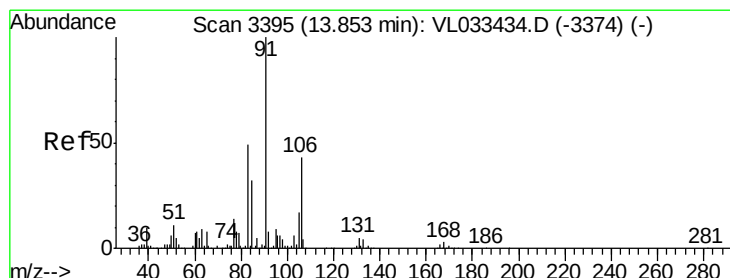
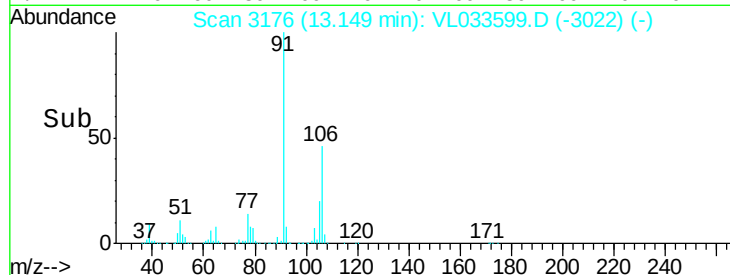
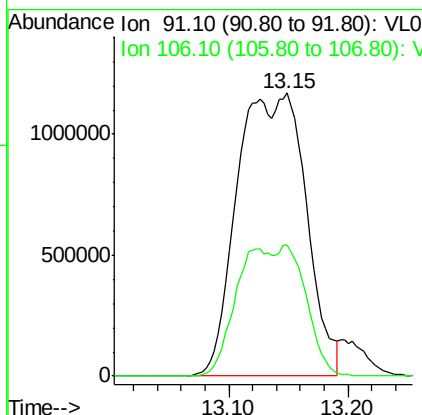
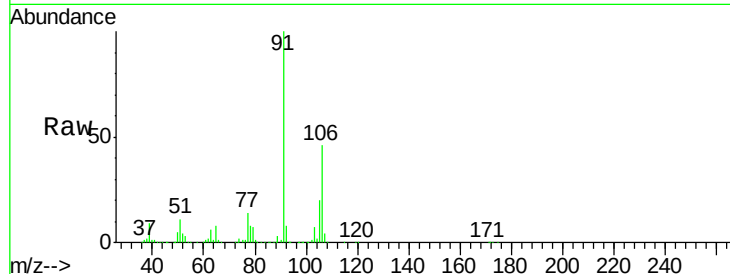




#59
m/p-Xylene
Concen: 15.901 ppbv m
RT: 13.15 min Scan# 3176
Delta R.T. -0.00 min
Lab File: VL033599.D
Acq: 17 Apr 2019 12:51

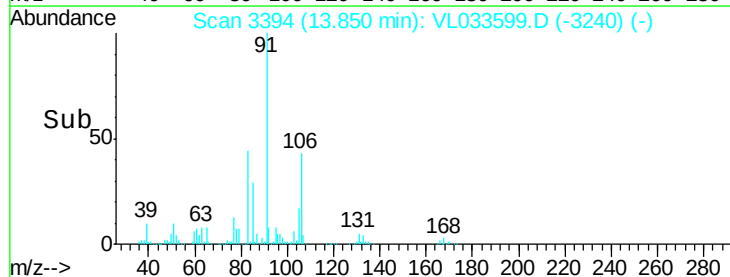
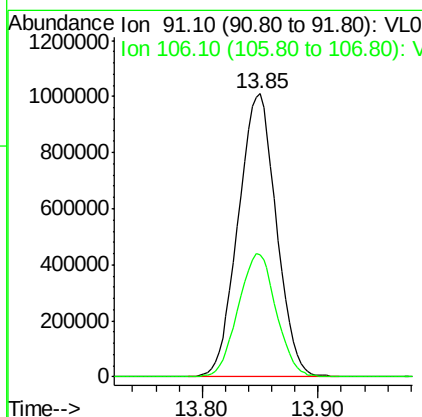
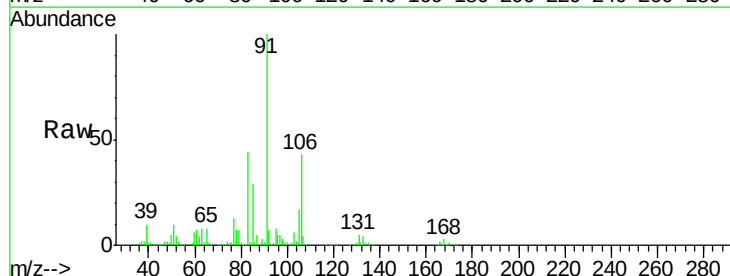
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

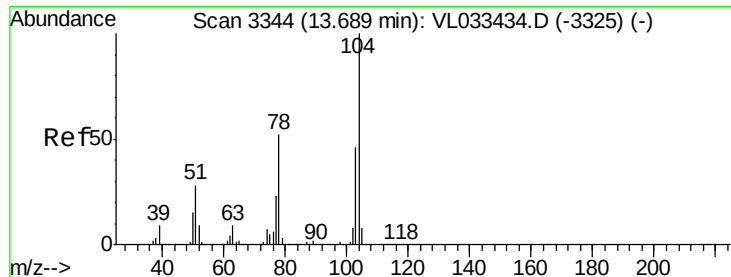
Tot Ion: 91 Resp: 4685099
Ion Ratio Lower Upper
91 100
106 45.2 0.0 0.0#



#60
o-Xylene
Concen: 8.104 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. -0.00 min
Lab File: VL033599.D
Acq: 17 Apr 2019 12:51

Tgt Ion: 91 Resp: 2309057
Ion Ratio Lower Upper
91 100
106 43.5 21.4 64.3





#61

Stvrene

Concen: 8.784 ppbv

RT: 13.68 min Scan# 3342

Delta R.T. -0.01 min

Lab File: VL033599.D

Acq: 17 Apr 2019 12:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

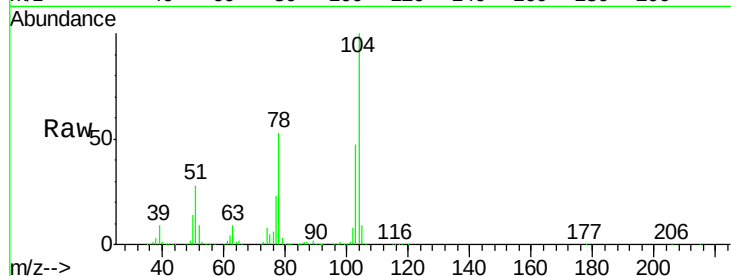
Tot Ion:104 Resp: 1717605

Ion Ratio Lower Upper

104 100

78 52.8 43.2 64.8

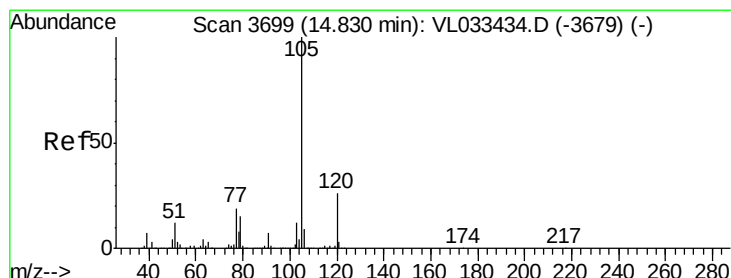
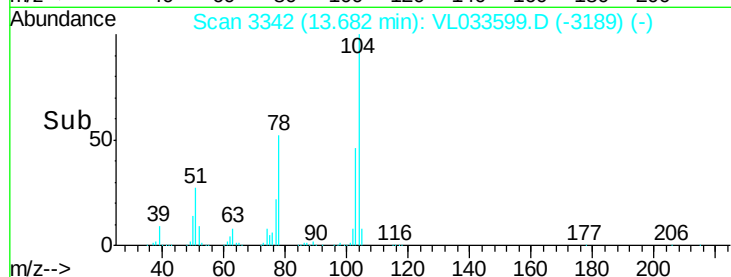
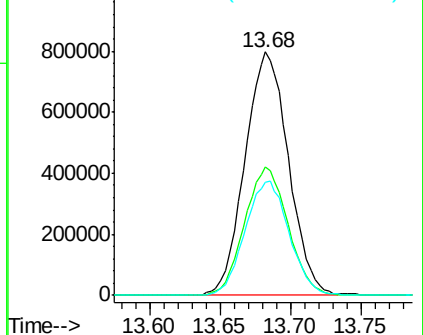
103 47.7 37.8 56.8



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: 8.132 ppbv

RT: 14.82 min Scan# 3697

Delta R.T. -0.01 min

Lab File: VL033599.D

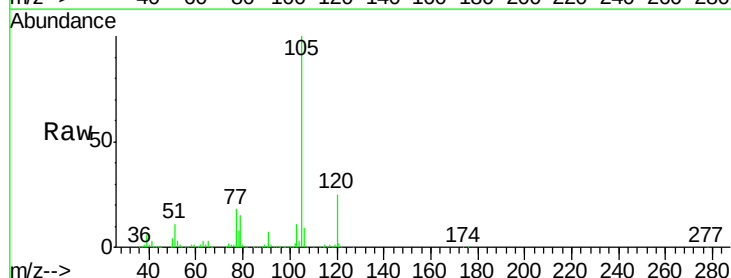
Acq: 17 Apr 2019 12:51

Tgt Ion:105 Resp: 3280888

Ion Ratio Lower Upper

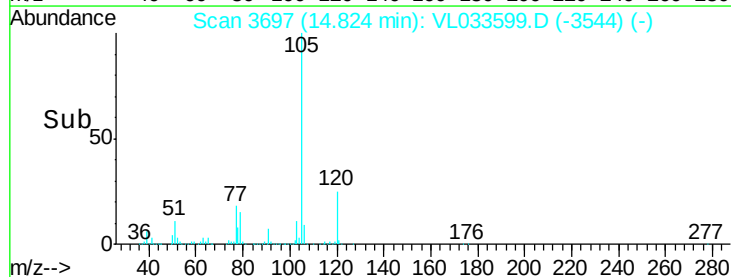
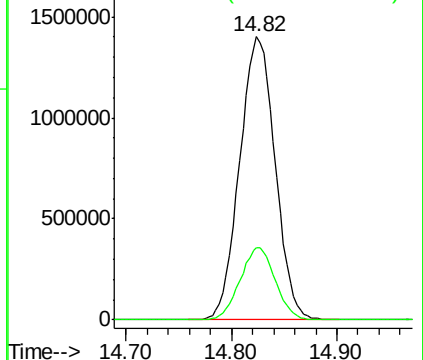
105 100

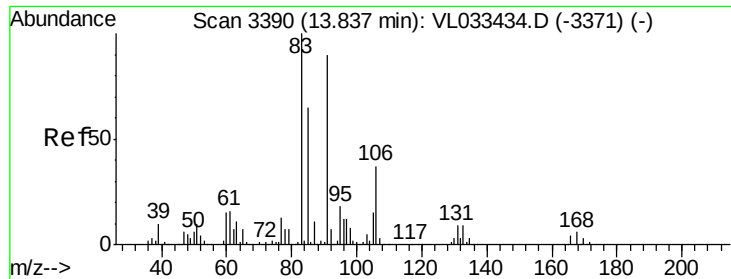
120 25.3 20.2 30.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

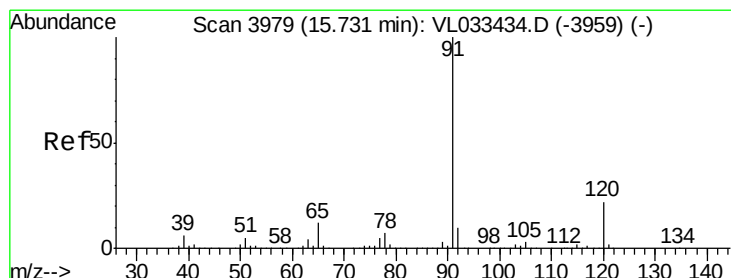
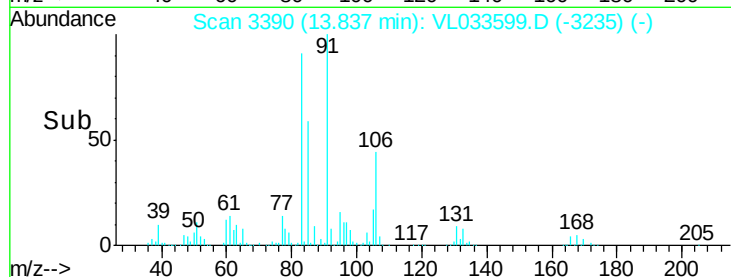
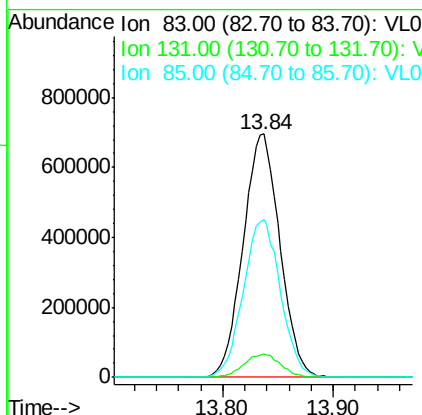
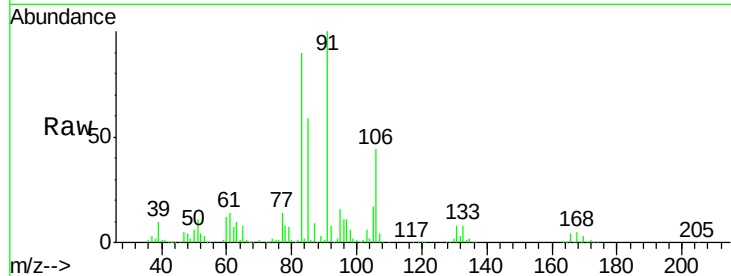




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.672 ppbv
 RT: 13.84 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VL033599.D
 Acq: 17 Apr 2019 12:51

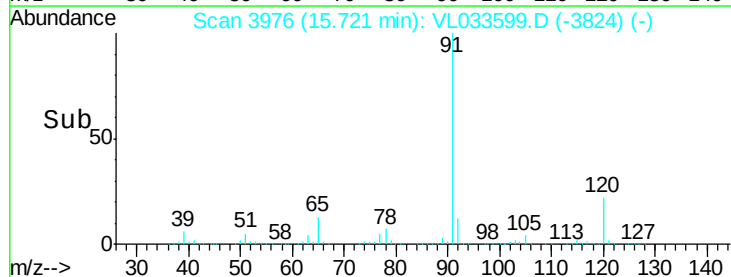
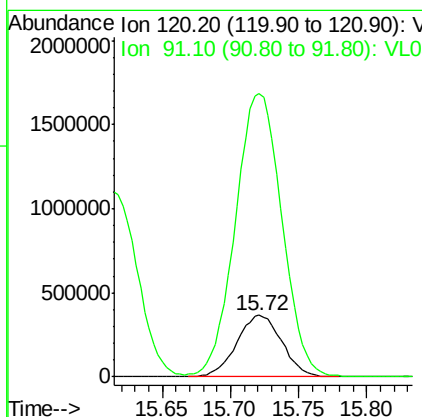
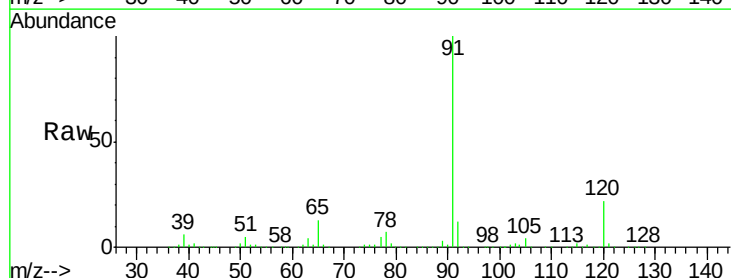
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

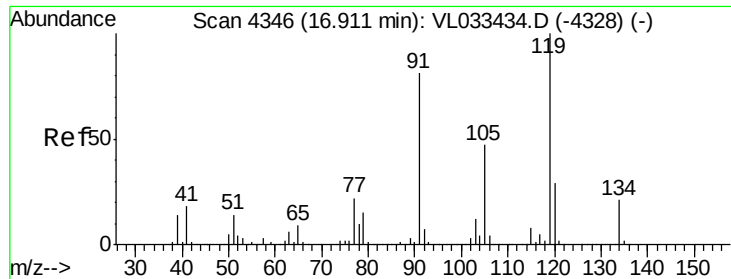
Tot Ion: 83 Resp: 1609584
 Ion Ratio Lower Upper
 83 100
 131 9.6 4.7 14.0
 85 65.5 32.7 98.1



#64
 n-propylbenzene
 Concen: 8.165 ppbv
 RT: 15.72 min Scan# 3976
 Delta R.T. -0.01 min
 Lab File: VL033599.D
 Acq: 17 Apr 2019 12:51

Tgt Ion: 120 Resp: 835880
 Ion Ratio Lower Upper
 120 100
 91 479.3 387.4 581.2

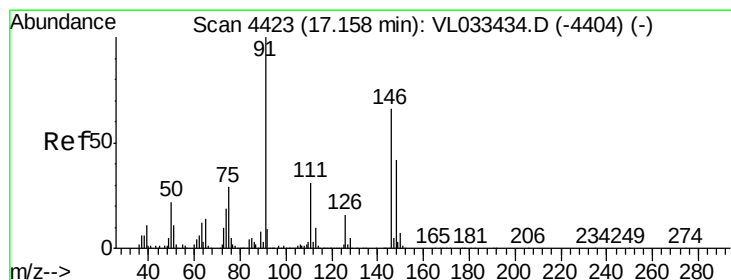
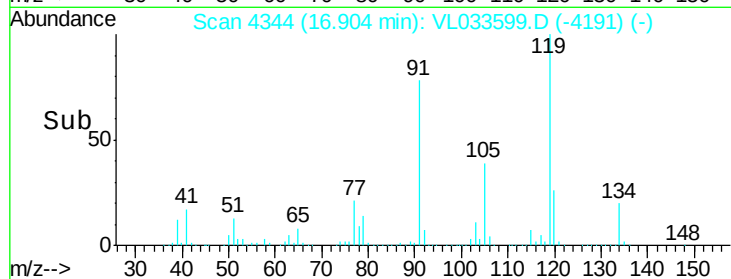
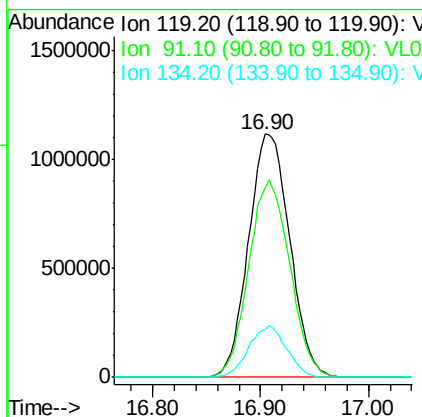
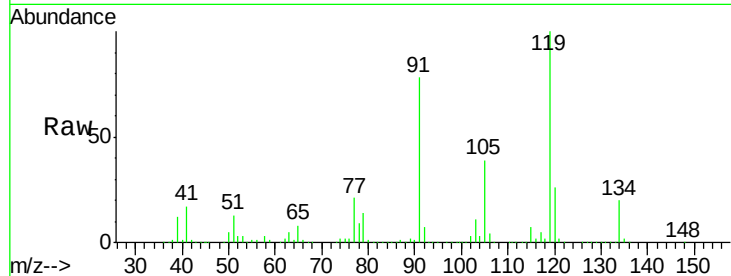




#65
tert-Butylbenzene
Concen: 8.318 ppbv
RT: 16.90 min Scan# 4344
Delta R.T. -0.01 min
Lab File: VL033599.D
Acq: 17 Apr 2019 12:51

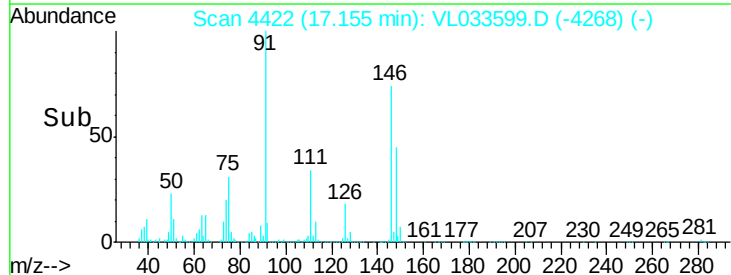
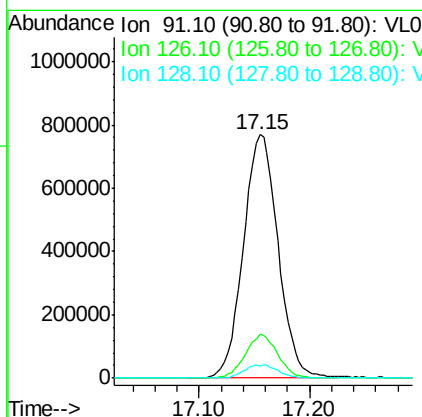
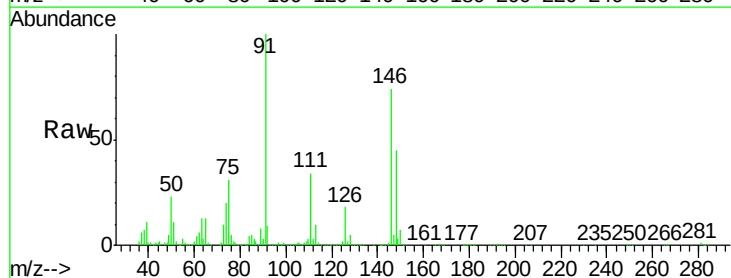
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

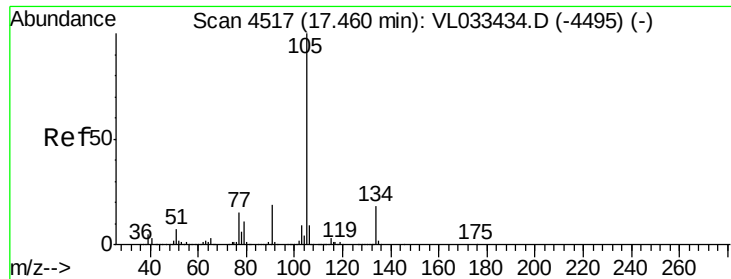
Tot Ion:119 Resp: 2957142
Ion Ratio Lower Upper
119 100
91 81.0 66.4 99.6
134 19.6 15.5 23.3



#66
Benzyl Chloride
Concen: 10.116 ppbv
RT: 17.15 min Scan# 4422
Delta R.T. -0.00 min
Lab File: VL033599.D
Acq: 17 Apr 2019 12:51

Tgt Ion: 91 Resp: 1672441
Ion Ratio Lower Upper
91 100
126 16.8 13.0 19.6
128 5.5 4.2 6.2





#67

sec-Butylbenzene

Concen: 8.223 ppbv

RT: 17.46 min Scan# 4516

Delta R.T. -0.00 min

Lab File: VL033599.D

Acq: 17 Apr 2019 12:51

Instrument :

MSVOA_L

ClientSampleId :

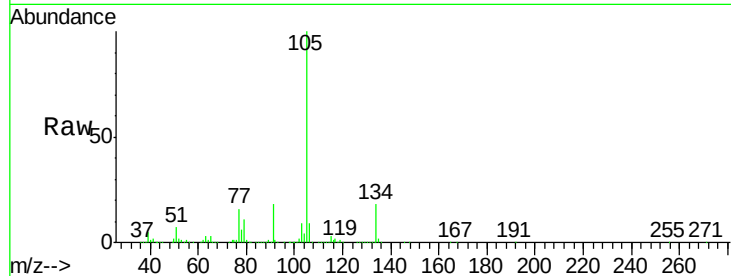
VSTDCCC010

Tot Ion:105 Resp: 4157476

Ion Ratio Lower Upper

105 100

134 18.3 14.6 21.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

2000000

1500000

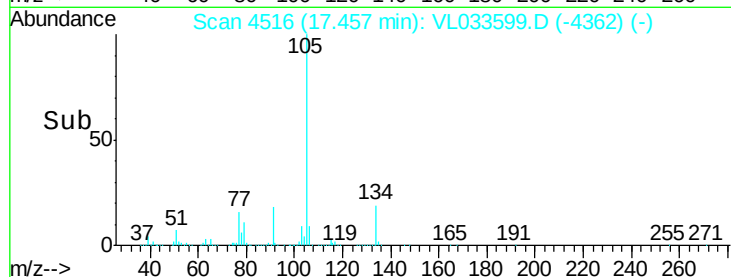
1000000

500000

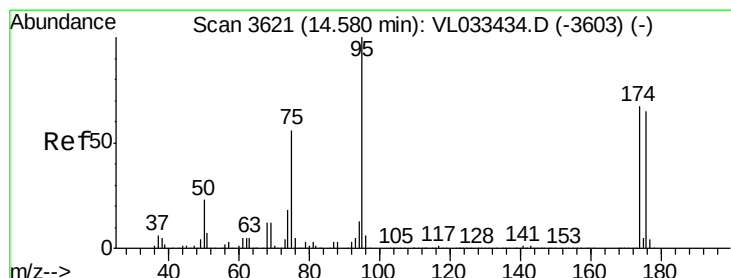
0

17.46

17.40 17.50



Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 9.229 ppbv

RT: 14.57 min Scan# 3619

Delta R.T. -0.01 min

Lab File: VL033599.D

Acq: 17 Apr 2019 12:51

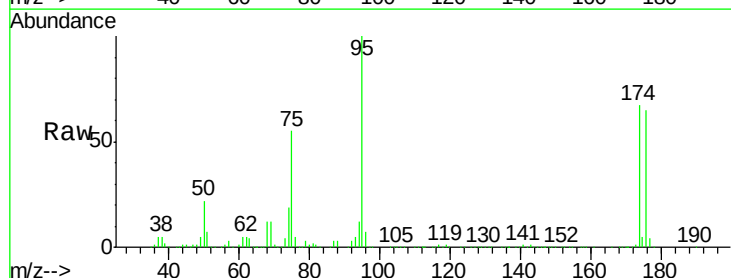
Tgt Ion: 95 Resp: 1787245

Ion Ratio Lower Upper

95 100

174 68.5 52.9 79.3

175 4.9 3.8 5.6



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

1000000

800000

600000

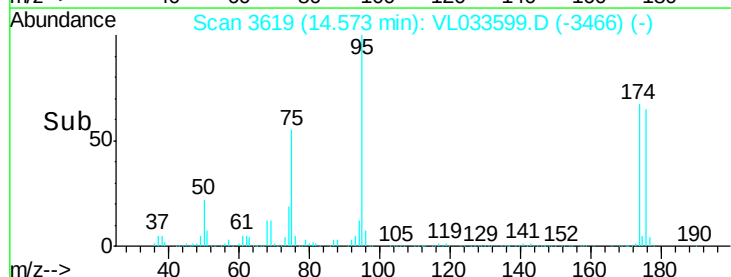
400000

200000

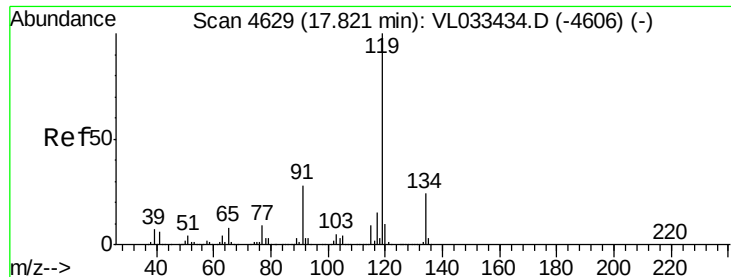
0

14.57

14.50 14.60



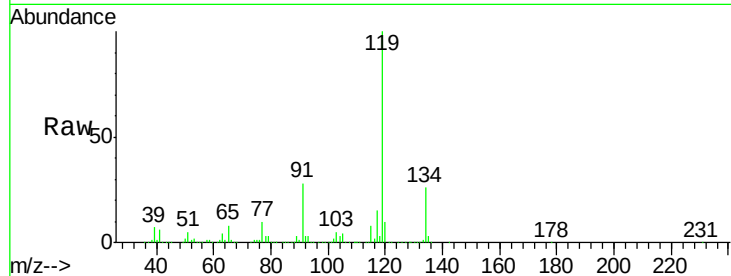
Time-->



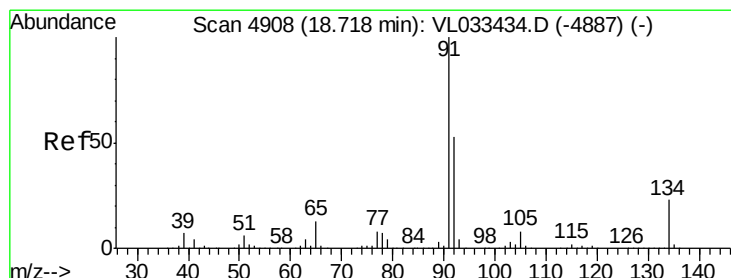
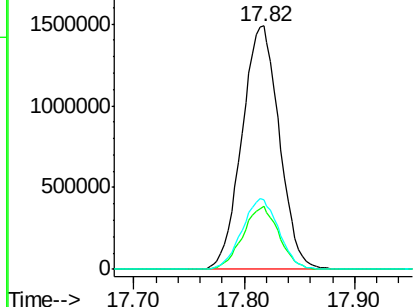
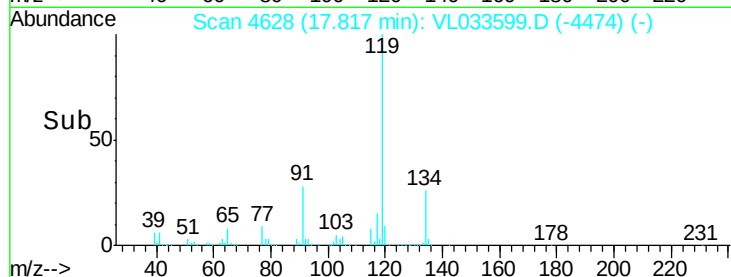
#69
 p-Isopropyltoluene
 Concen: 8.476 ppbv
 RT: 17.82 min Scan# 4628
 Delta R.T. -0.00 min
 Lab File: VL033599.D
 Acq: 17 Apr 2019 12:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:119 Resp: 3489289
 Ion Ratio Lower Upper
 119 100
 134 25.1 19.9 29.9
 91 28.7 23.4 35.0

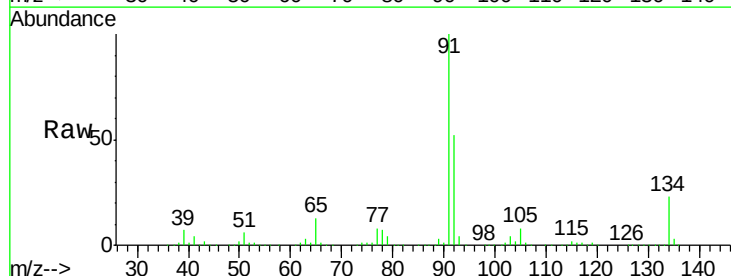


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

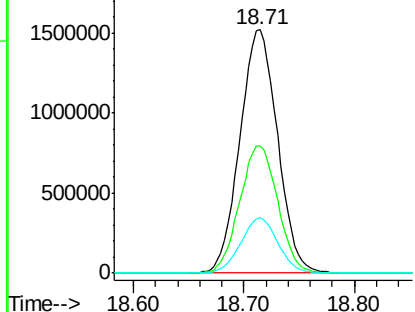
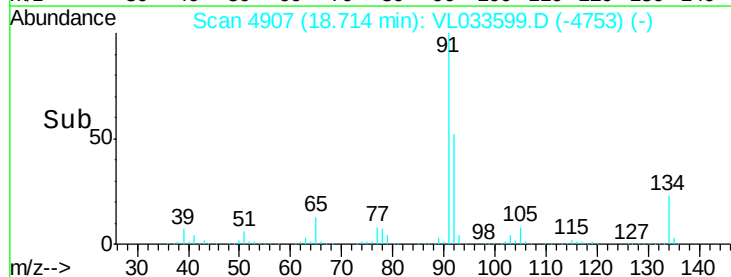


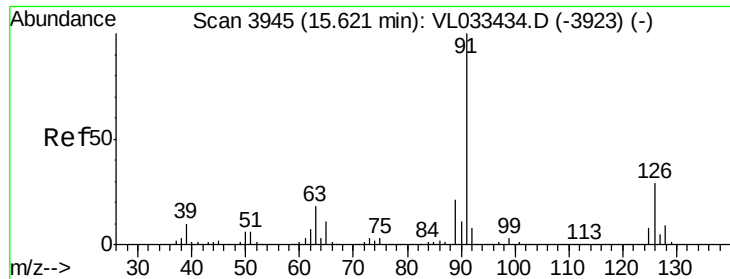
#70
 n-Butylbenzene
 Concen: 8.244 ppbv
 RT: 18.71 min Scan# 4907
 Delta R.T. -0.00 min
 Lab File: VL033599.D
 Acq: 17 Apr 2019 12:51

Tgt Ion: 91 Resp: 3595610
 Ion Ratio Lower Upper
 91 100
 92 53.2 42.6 64.0
 134 22.4 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: 8.172 ppbv

RT: 15.61 min Scan# 3943

Delta R.T. -0.01 min

Lab File: VL033599.D

Acq: 17 Apr 2019 12:51

Instrument :

MSVOA_L

ClientSampleId :

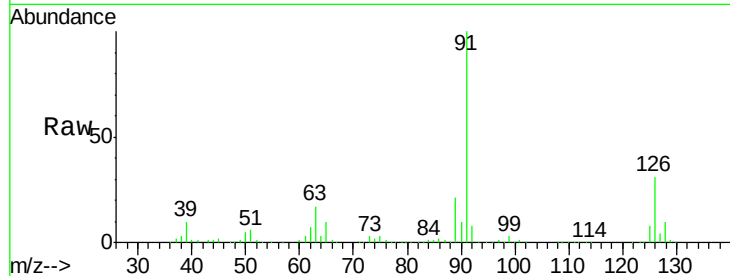
VSTDCCC010

Tot Ion: 91 Resp: 2507169

Ion Ratio Lower Upper

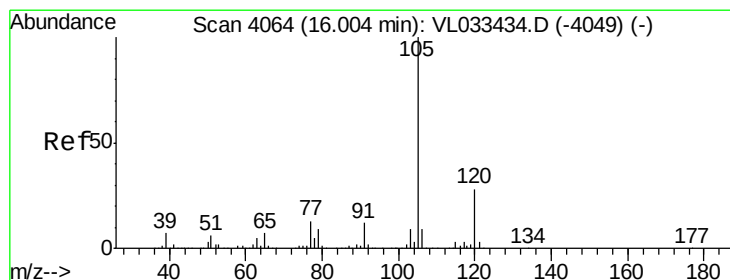
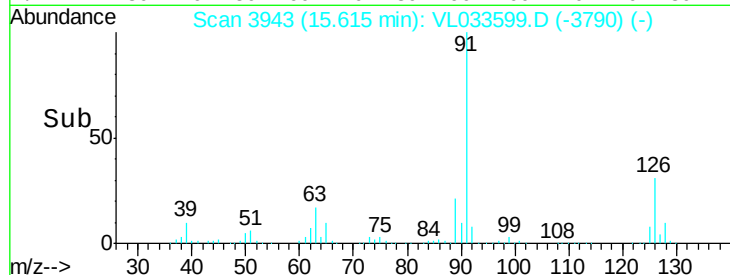
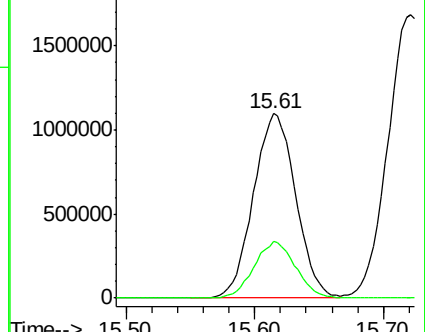
91 100

126 30.2 11.7 46.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 8.456 ppbv

RT: 16.00 min Scan# 4062

Delta R.T. -0.01 min

Lab File: VL033599.D

Acq: 17 Apr 2019 12:51

Tgt Ion:105 Resp: 2708258

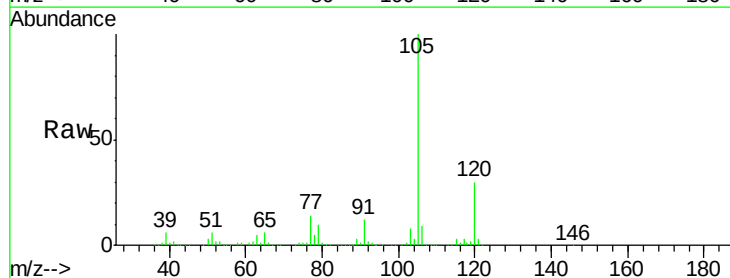
Ion Ratio Lower Upper

105 100

120 29.0 23.2 34.8

91 13.0 10.4 15.6

77 13.6 11.3 16.9

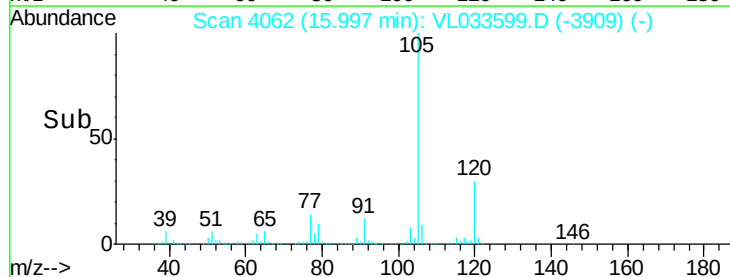
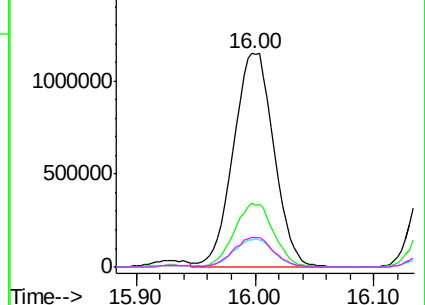


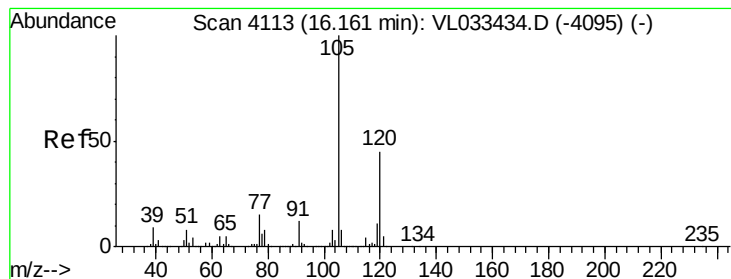
Abundance Ion 105.10 (104.80 to 105.80): V

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: 8.520 ppbv

RT: 16.16 min Scan# 4112

Delta R.T. -0.00 min

Lab File: VL033599.D

Acq: 17 Apr 2019 12:51

Instrument :

MSVOA_L

ClientSampleId :

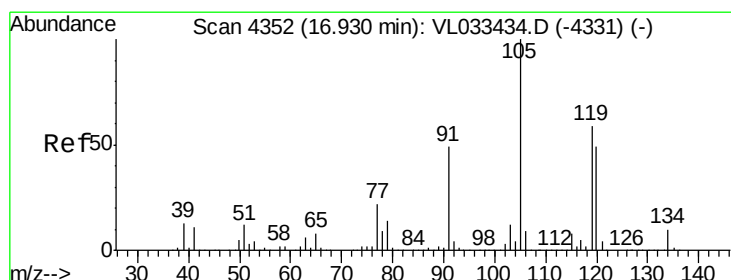
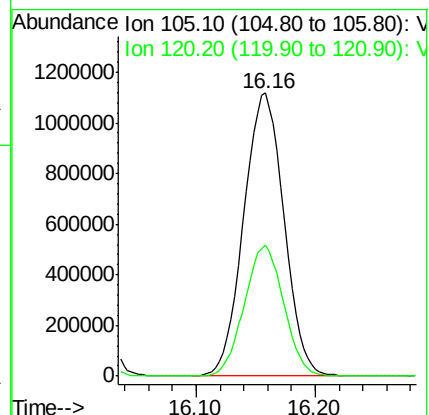
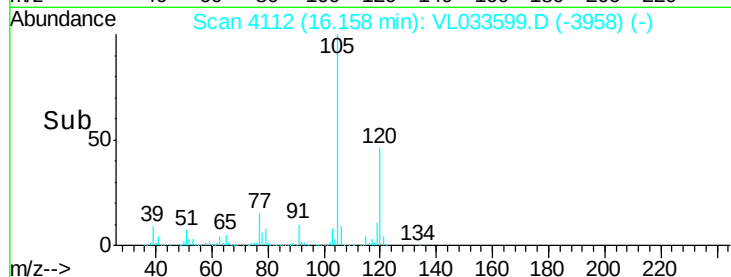
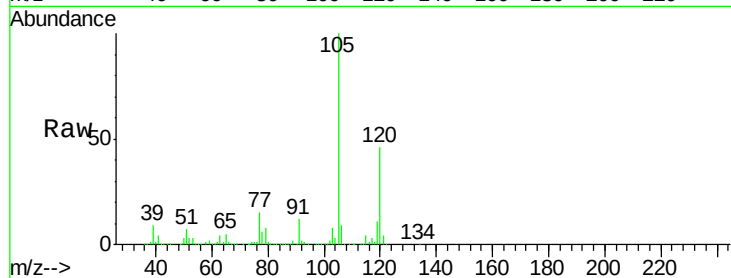
VSTDCCC010

Tot Ion:105 Resp: 2611143

Ion Ratio Lower Upper

105 100

120 46.3 35.7 53.5



#74

1,2,4-Trimethylbenzene

Concen: 8.234 ppbv

RT: 16.93 min Scan# 4351

Delta R.T. -0.00 min

Lab File: VL033599.D

Acq: 17 Apr 2019 12:51

Tgt Ion:105 Resp: 2704720

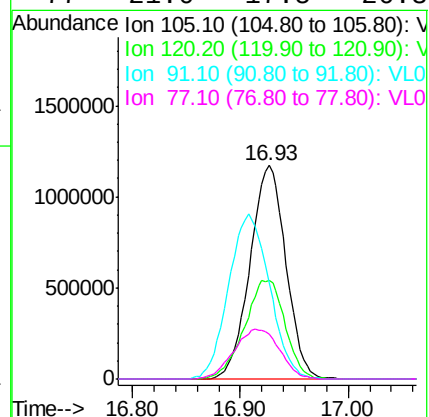
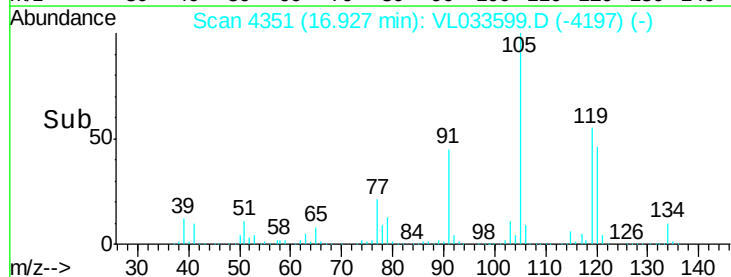
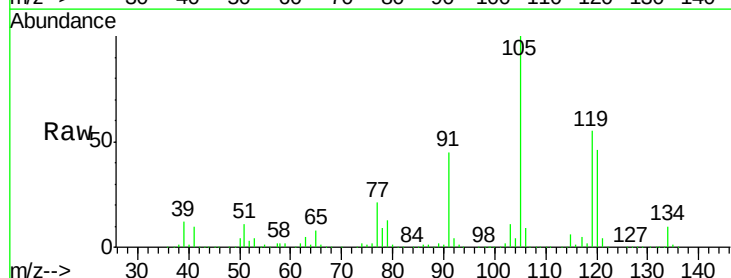
Ion Ratio Lower Upper

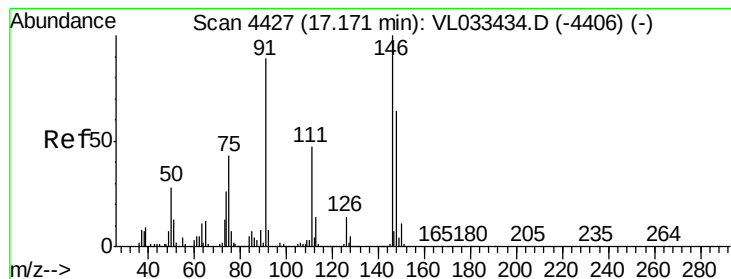
105 100

120 46.2 39.0 58.6

91 44.6 40.0 60.0

77 21.0 17.5 26.3





#75

1,3-Dichlorobenzene

Concen: 7.962 ppbv

RT: 17.16 min Scan# 4424

Delta R.T. -0.01 min

Lab File: VL033599.D

Acq: 17 Apr 2019 12:51

Instrument :

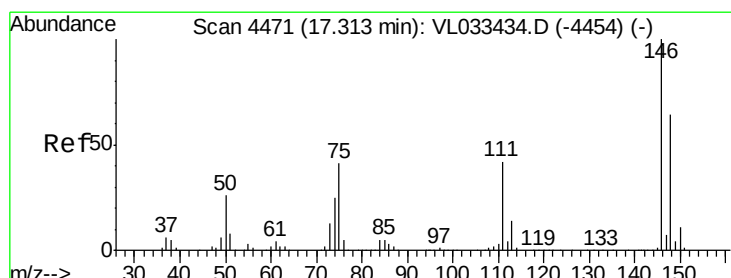
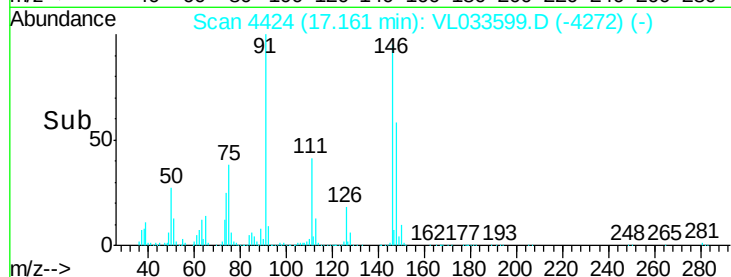
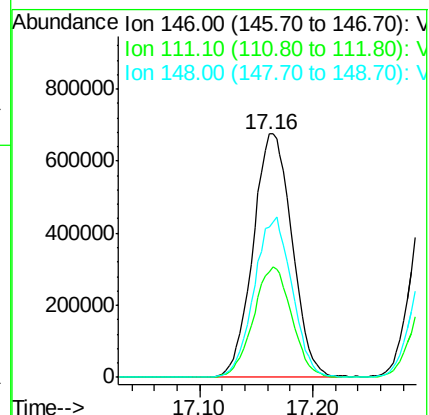
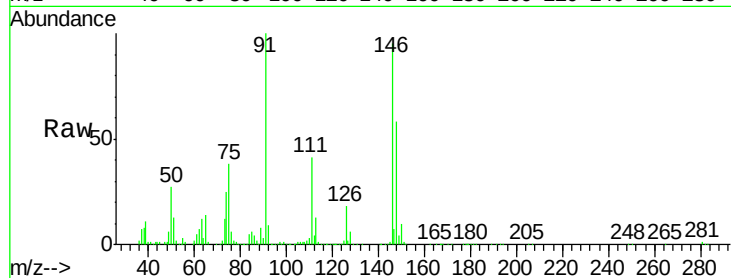
MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:146 Resp: 1616520

Ion	Ratio	Lower	Upper
146	100		
111	44.5	22.9	68.8
148	64.0	32.0	96.2



#76

1,4-Dichlorobenzene

Concen: 8.140 ppbv

RT: 17.31 min Scan# 4469

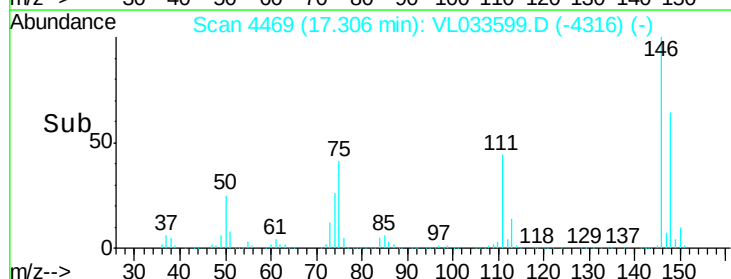
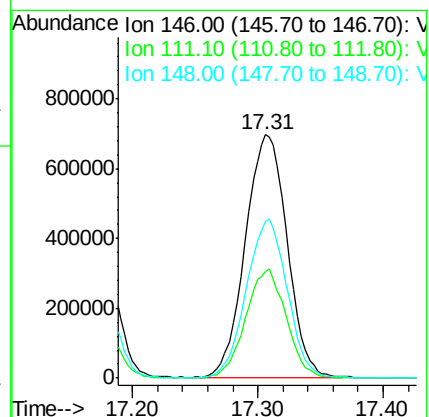
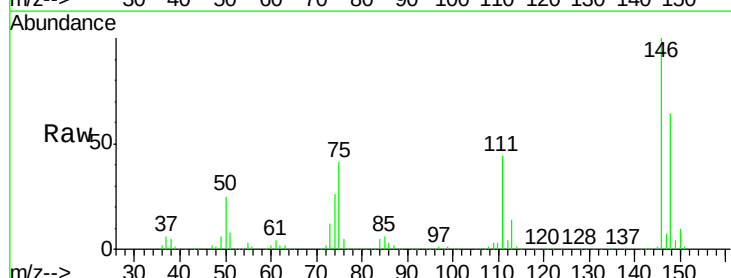
Delta R.T. -0.01 min

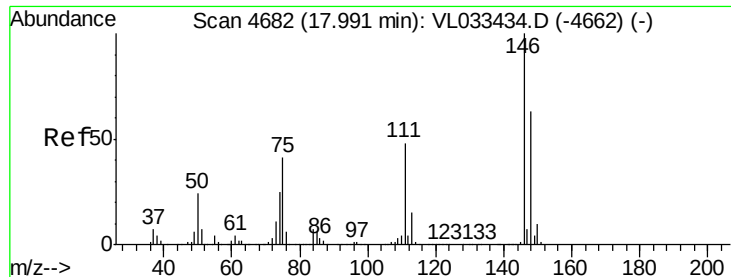
Lab File: VL033599.D

Acq: 17 Apr 2019 12:51

Tgt Ion:146 Resp: 1610289

Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.7	65.1
148	64.4	32.0	96.2





#77

1,2-Dichlorobenzene

Concen: 8.241 ppbv

RT: 17.99 min Scan# 4682

Delta R.T. -0.00 min

Lab File: VL033599.D

Acq: 17 Apr 2019 12:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

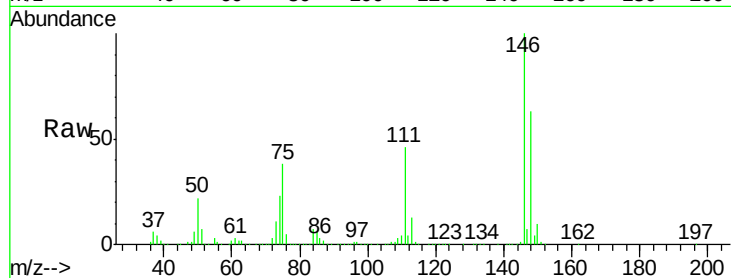
Tot Ion:146 Resp: 1587467

Ion Ratio Lower Upper

146 100

111 46.0 23.5 70.5

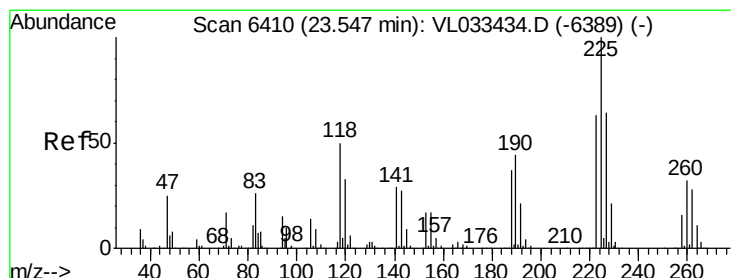
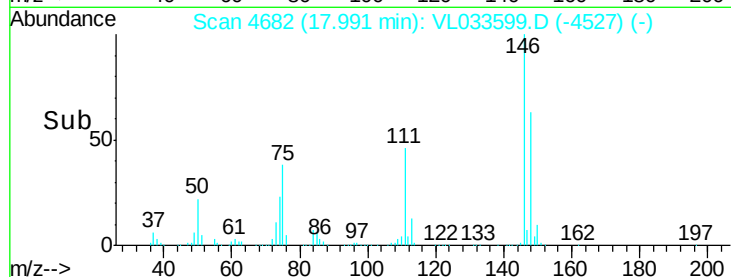
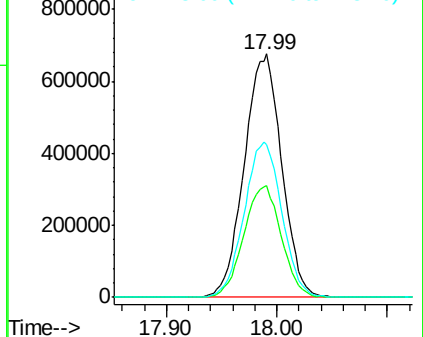
148 64.0 32.0 96.0



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: 9.365 ppbv

RT: 23.54 min Scan# 6408

Delta R.T. -0.01 min

Lab File: VL033599.D

Acq: 17 Apr 2019 12:51

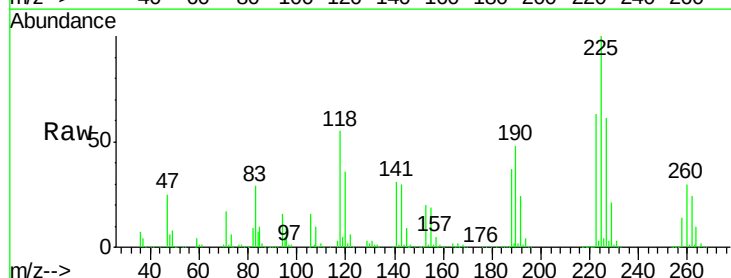
Tgt Ion:225 Resp: 1194168

Ion Ratio Lower Upper

225 100

223 63.4 50.0 75.0

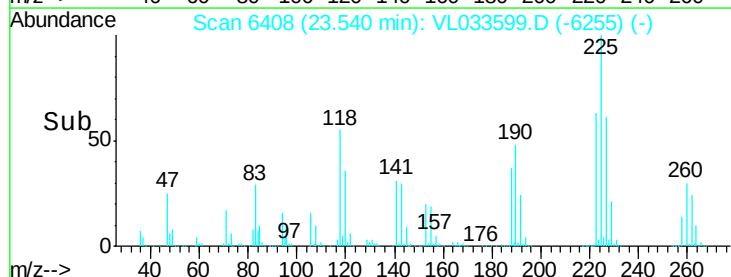
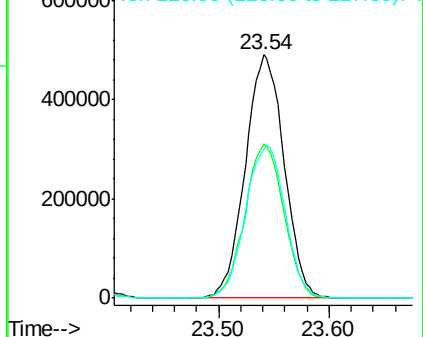
227 64.0 51.1 76.7

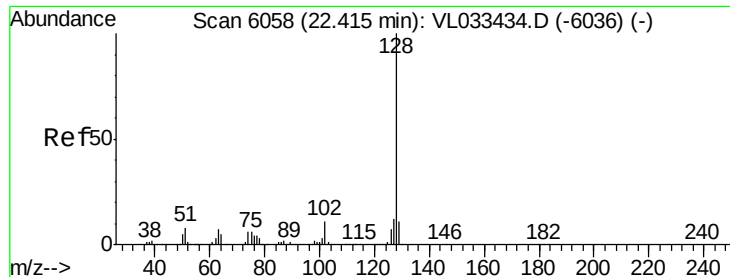


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 9.491 ppbv

RT: 22.41 min Scan# 6056

Delta R.T. -0.01 min

Lab File: VL033599.D

Acq: 17 Apr 2019 12:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

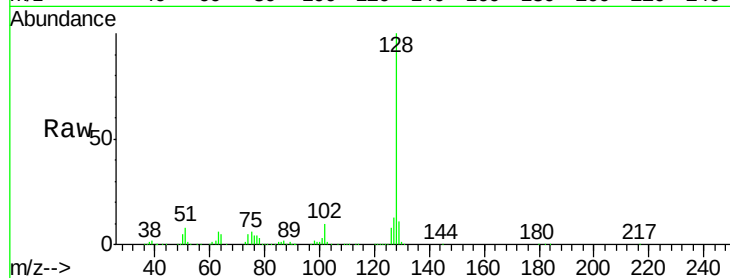
Tot Ion:128 Resp: 2668922

Ion Ratio Lower Upper

128 100

127 12.6 9.8 14.8

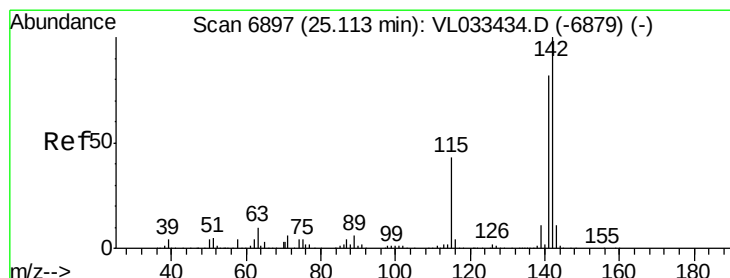
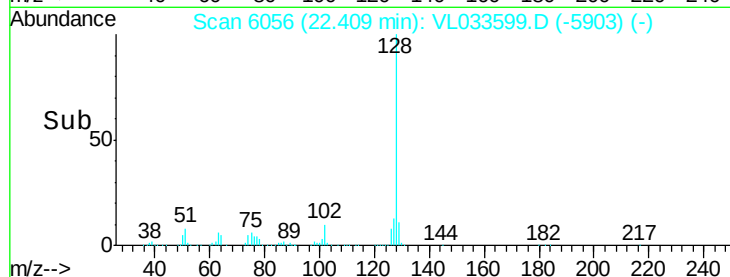
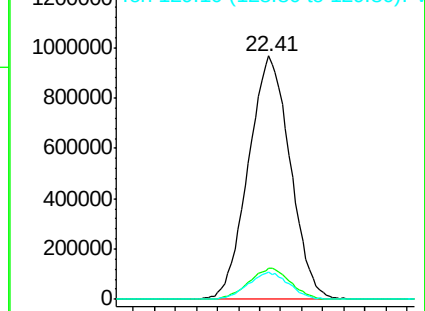
129 11.2 8.6 12.8



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 13.477 ppbv

RT: 25.11 min Scan# 6897

Delta R.T. -0.00 min

Lab File: VL033599.D

Acq: 17 Apr 2019 12:51

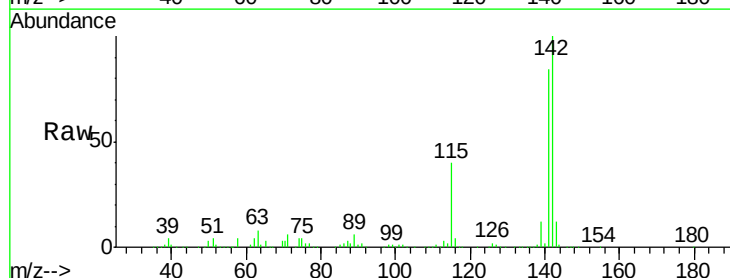
Tgt Ion:142 Resp: 1271803

Ion Ratio Lower Upper

142 100

141 85.0 66.6 99.8

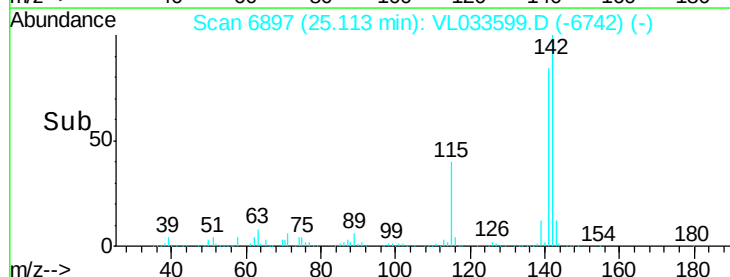
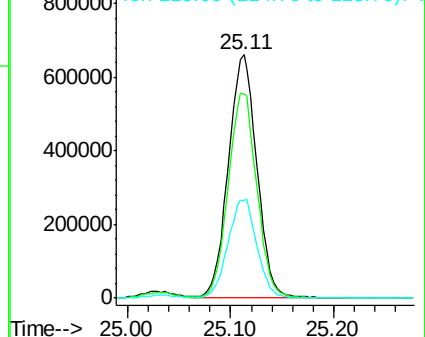
115 41.6 34.4 51.6

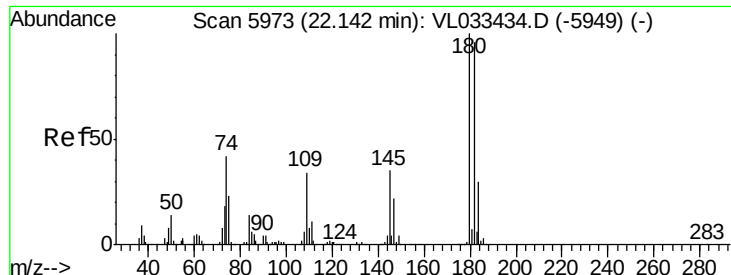


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

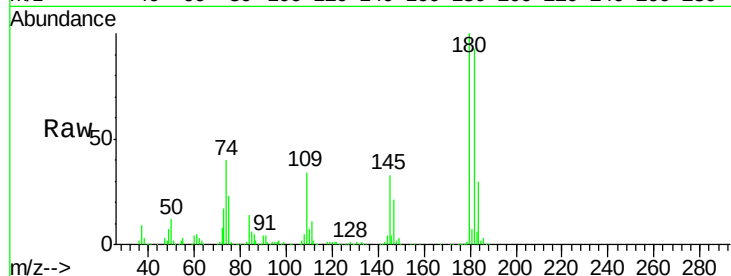




#81
 1,2,4-Trichlorobenzene
 Concen: 8.924 ppbv
 RT: 22.13 min Scan# 5970
 Delta R.T. -0.01 min
 Lab File: VL033599.D
 Acq: 17 Apr 2019 12:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:180 Resp: 1391990
 Ion Ratio Lower Upper
 180 100
 182 95.4 77.0 115.4
 184 30.7 24.6 36.8



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

