

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL051719\
 Data File : VL033700.D
 Acq On : 17 May 2019 1:59
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Quant Time: May 17 07:10:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 17 07:07:57 2019
 QLast Update : Fri May 17 07:07:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1051280	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2501234	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	3048456	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1983802	7.94	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	79.40%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.07	85	1901781	7.914	ppbv	100
3) Chlorodifluoromethane	3.01	51	1140987	7.564	ppbv	100
4) Chloromethane	3.17	50	660982	8.423	ppbv	100
5) Vinyl Chloride	3.29	62	648170	8.482	ppbv	100
6) Bromomethane	3.51	94	423232	8.700	ppbv	100
7) Chloroethane	3.60	64	241364	8.681	ppbv	100
8) Dichlorotetrafluoroethane	3.22	85	1670183	8.297	ppbv	100
9) Propene	3.03	41	509901	8.831	ppbv	100
10) Heptane	8.24	43	1424737	9.957	ppbv	100
11) Trichlorofluoromethane	4.00	101	2088194	9.027	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1443182	9.250	ppbv	100
13) Ethanol	3.64	45	130589	7.426	ppbv	100
14) Bromoethene	3.78	108	526957	8.750	ppbv	100
15) Acetone	3.90	43	1321766	8.398	ppbv	100
16) 1,3-Butadiene	3.36	39	565787	8.566	ppbv	100
17) tert-Butyl alcohol	4.35	59	1227478	10.136	ppbv	100
18) 1,1-Dichloroethene	4.35	96	630599	9.385	ppbv	100
19) Isopropyl Alcohol	4.02	45	969250	9.863	ppbv	100
20) Methylene Chloride	4.41	84	520218	8.742	ppbv	100
21) Allyl Chloride	4.48	41	940922	9.842	ppbv	100
22) trans-1,2-Dichloroethene	4.96	96	609227	9.142	ppbv	100
23) Vinyl Acetate	5.15	43	1976967	9.744	ppbv	100
24) 1,1-Dichloroethane	5.09	63	1365989	8.912	ppbv	100
25) Ethyl Acetate	5.76	43	2471695	9.642	ppbv	100
26) Hexane	5.78	57	1093223	9.917	ppbv	100
27) Carbon Disulfide	4.62	76	1608504	10.629	ppbv	100
28) Methyl tert-Butyl Ether	5.11	73	1794779	9.747	ppbv	100
29) Chloroform	5.85	83	1856904	9.391	ppbv	100
30) Cyclohexane	7.25	84	948099	10.302	ppbv	100
31) cis-1,2-Dichloroethene	5.64	61	1058458	9.769	ppbv	100
32) 1,1,1-Trichloroethane	6.61	97	1959726	9.630	ppbv	100
34) 2-Butanone	5.33	43	1558459	9.711	ppbv	100
35) Carbon Tetrachloride	7.13	117	2061441	10.016	ppbv	100
36) Benzene	7.00	78	2333922	10.327	ppbv	100
37) 1,2-Dichloroethane	6.41	62	1441332	9.149	ppbv	100
38) Trichloroethene	7.96	130	912645	11.068	ppbv	100
39) 1,2-Dichloropropane	7.73	63	862673	10.241	ppbv	100
40) 1,4-Dioxane	7.95	88	366322	10.748	ppbv #	100
41) Tetrahydrofuran	6.15	42	934508	11.126	ppbv	100
42) Bromodichloromethane	7.92	83	2040565	10.078	ppbv	100
43) Methyl Methacrylate	8.13	69	915319	10.793	ppbv	100

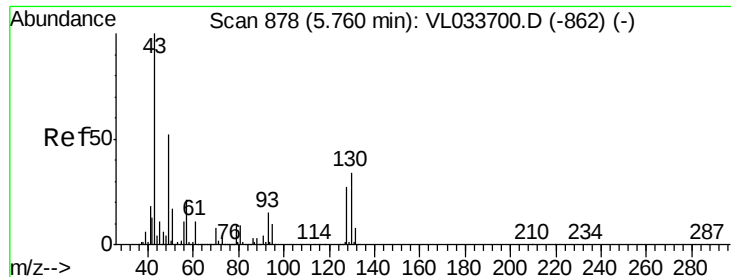
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL051719\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	3899977	10.108	ppbv	100
45) t-1,3-Dichloropropene	9.42	75	1281681	12.234	ppbv	100
46) cis-1,3-Dichloropropene	8.83	75	1461909	11.226	ppbv	100
47) 1,1,2-Trichloroethane	9.61	97	965568	9.982	ppbv	100
48) Dibromochloromethane	10.45	129	1810795	11.015	ppbv	100
49) Bromoform	13.20	173	1514704	10.770	ppbv	100
50) 4-Methyl-2-Pentanone	8.87	43	2538903	10.434	ppbv	100
51) 2-Hexanone	10.27	43	2096794	11.067	ppbv	100
52) Tetrachloroethene	11.37	164	892540	11.134	ppbv	100
53) Toluene	9.95	91	2741546	11.194	ppbv	100
54) 1,2-Dibromoethane	10.76	107	1546099	10.584	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.28	131	1134286	8.001	ppbv	95
57) Chlorobenzene	12.30	112	1983907	7.849	ppbv	100
58) Ethyl Benzene	12.86	91	3569532	8.891	ppbv	100
59) m/p-Xylene	13.15	91	2941358	8.315	ppbv #	30
60) o-Xylene	13.85	91	2979946	8.347	ppbv	100
61) Styrene	13.68	104	2236579	9.385	ppbv	100
62) Isopropylbenzene	14.82	105	4005063	8.200	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.83	83	2042256	7.885	ppbv	100
64) n-propylbenzene	15.72	120	1043780	8.286	ppbv	100
65) tert-Butylbenzene	16.91	119	3703037	8.268	ppbv	100
66) Benzyl Chloride	17.15	91	2062995	10.062	ppbv	100
67) sec-Butylbenzene	17.46	105	5140743	8.245	ppbv	100
69) p-Isopropyltoluene	17.82	119	4367924	8.493	ppbv	100
70) n-Butylbenzene	18.71	91	4577977	8.423	ppbv	100
71) 2-Chlorotoluene	15.61	91	3049177	8.459	ppbv	100
72) 4-Ethyltoluene	16.00	105	3551992	8.473	ppbv	100
73) 1,3,5-Trimethylbenzene	16.16	105	3352990	8.283	ppbv	100
74) 1,2,4-Trimethylbenzene	16.93	105	3571952	7.915	ppbv	100
75) 1,3-Dichlorobenzene	17.16	146	2082590	7.667	ppbv	100
76) 1,4-Dichlorobenzene	17.31	146	2075174	8.050	ppbv	100
77) 1,2-Dichlorobenzene	17.99	146	2011834	7.979	ppbv	100
78) Hexachloro-1,3-Butadiene	23.54	225	1380773	6.906	ppbv	100
79) Naphthalene	22.41	128	3683380	8.933	ppbv	100
80) Naphthalene,2-methyl-	25.11	142	1639755	10.416	ppbv	100
81) 1,2,4-Trichlorobenzene	22.14	180	1995008	8.320	ppbv	100

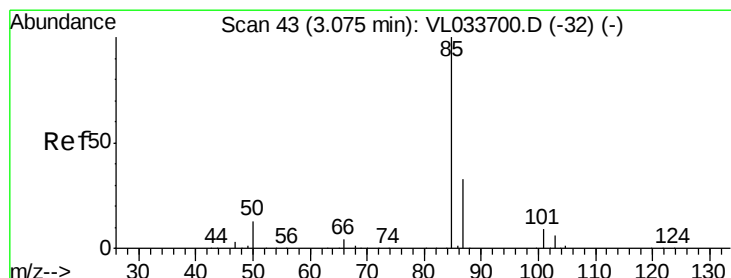
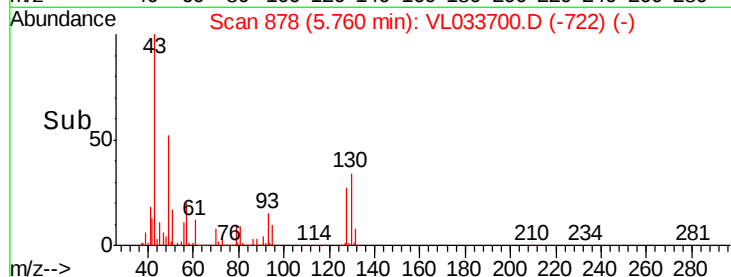
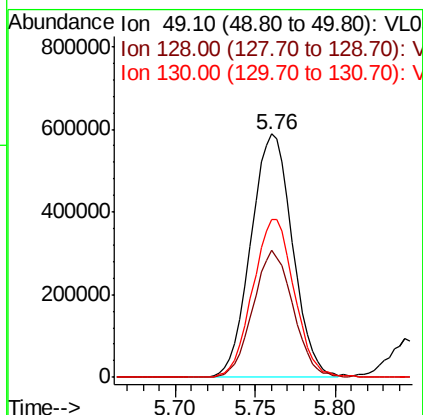
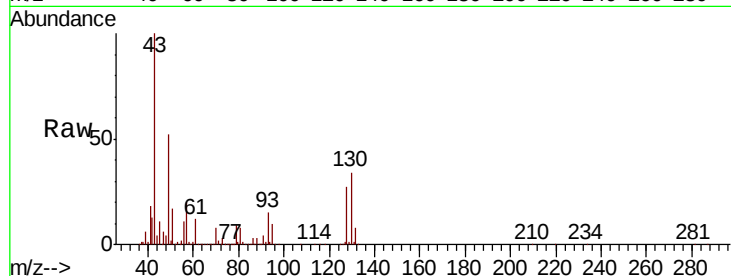
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.76 min Scan# 878
 Delta R.T. 0.00 min
 Lab File: VL033700.D
 Acq: 17 May 2019 1:59

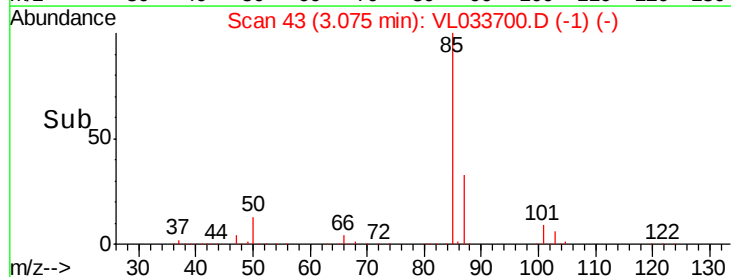
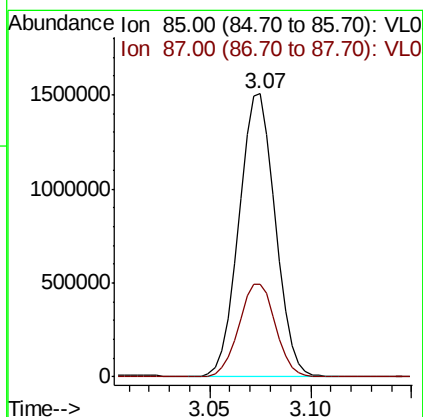
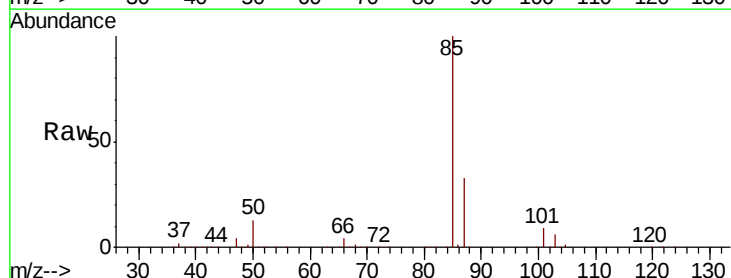
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

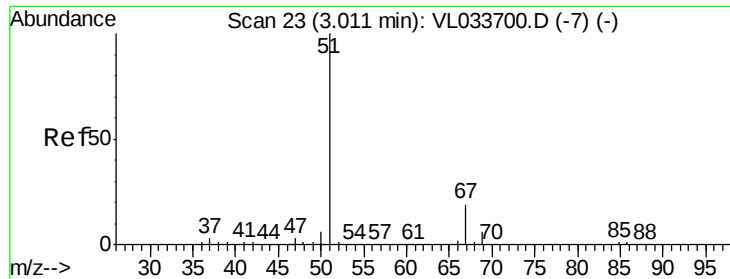
Tgt Ion: 49 Resp: 1051280
 Ion Ratio Lower Upper
 49 100
 128 50.4 25.2 75.6
 130 65.1 32.5 97.5



#2
 Dichlorodifluoromethane
 Concen: 7.914 ppbv
 RT: 3.07 min Scan# 43
 Delta R.T. 0.00 min
 Lab File: VL033700.D
 Acq: 17 May 2019 1:59

Tgt Ion: 85 Resp: 1901781
 Ion Ratio Lower Upper
 85 100
 87 32.9 26.3 39.5

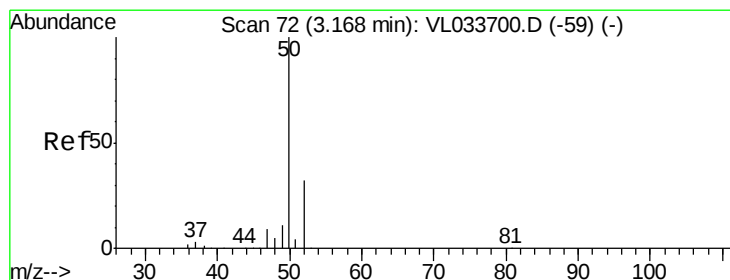
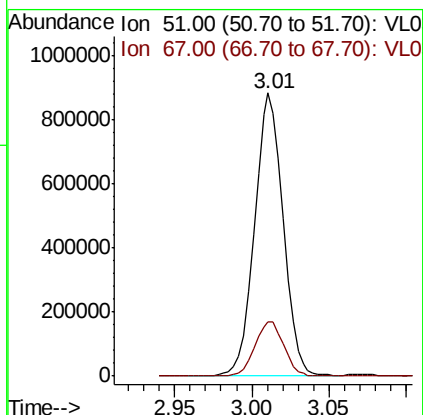
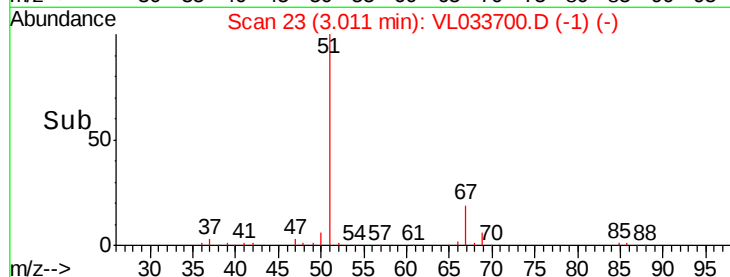
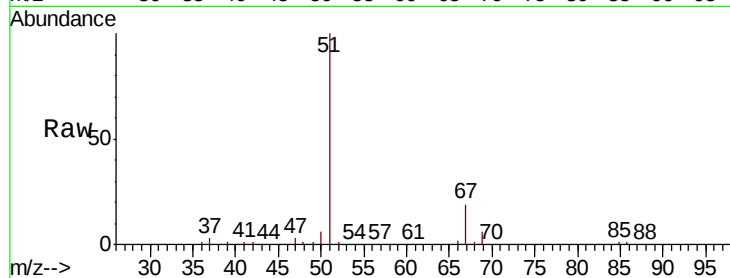




#3
 Chlorodifluoromethane
 Concen: 7.564 ppbv
 RT: 3.01 min Scan# 23
 Delta R.T. 0.00 min
 Lab File: VL033700.D
 Acq: 17 May 2019 1:59

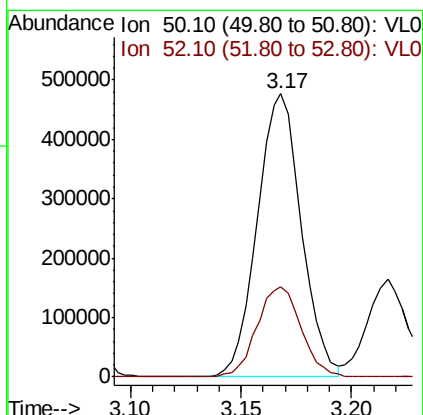
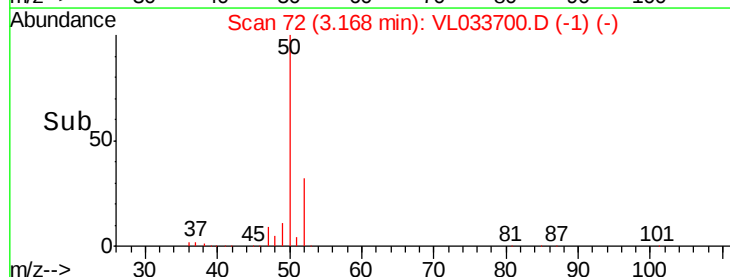
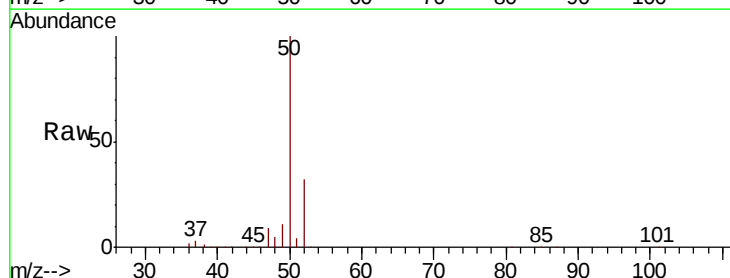
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

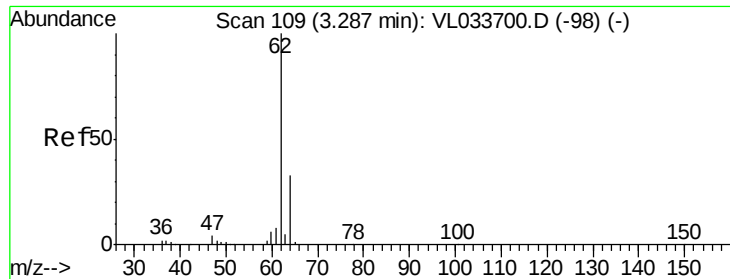
Tgt Ion: 51 Resp: 1140987
 Ion Ratio Lower Upper
 51 100
 67 19.5 15.6 23.4



#4
 Chloromethane
 Concen: 8.423 ppbv
 RT: 3.17 min Scan# 72
 Delta R.T. 0.00 min
 Lab File: VL033700.D
 Acq: 17 May 2019 1:59

Tgt Ion: 50 Resp: 660982
 Ion Ratio Lower Upper
 50 100
 52 32.1 25.7 38.5





#5

Vinyl Chloride

Concen: 8.482 ppbv

RT: 3.29 min Scan# 109

Delta R.T. 0.00 min

Lab File: VL033700.D

Acq: 17 May 2019 1:59

Instrument :

MSVOA_L

ClientSampleId :

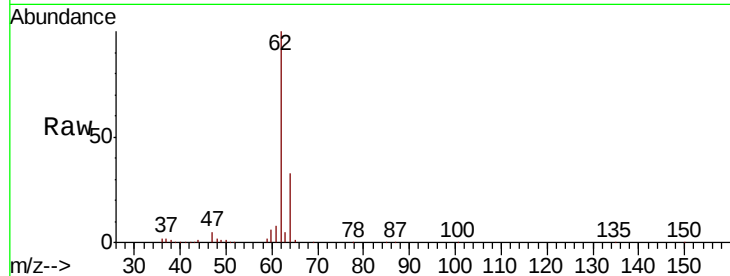
VSTDICCC010

Tgt Ion: 62 Resp: 648170

Ion Ratio Lower Upper

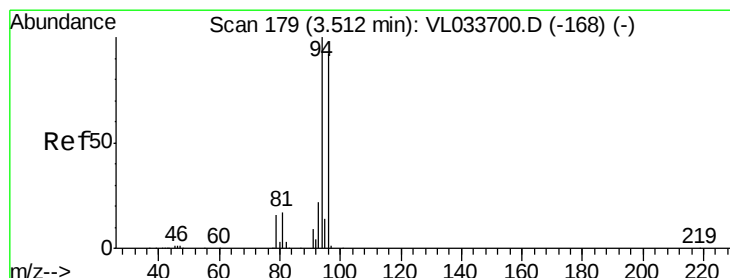
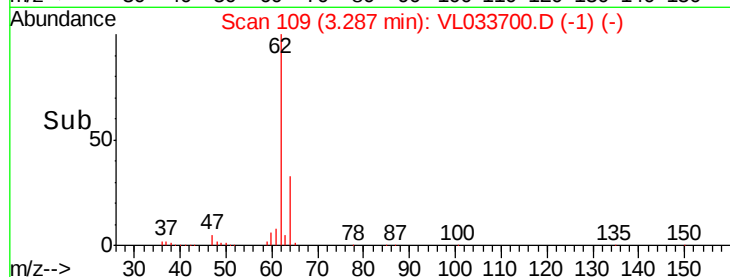
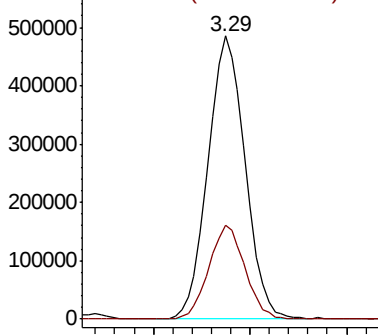
62 100

64 33.0 26.4 39.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 8.700 ppbv

RT: 3.51 min Scan# 179

Delta R.T. 0.00 min

Lab File: VL033700.D

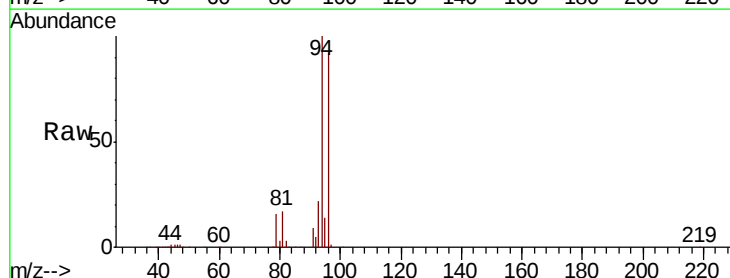
Acq: 17 May 2019 1:59

Tgt Ion: 94 Resp: 423232

Ion Ratio Lower Upper

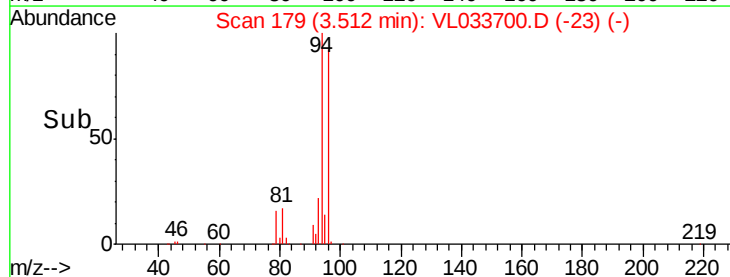
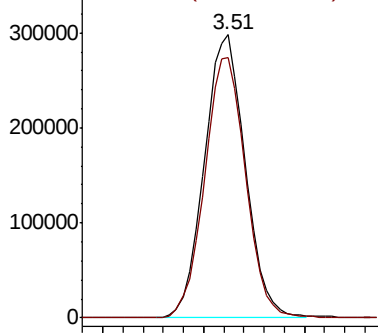
94 100

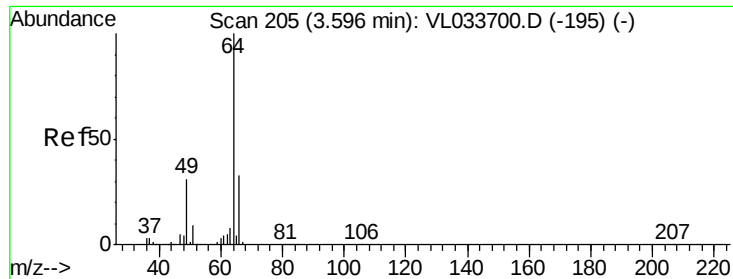
96 92.0 73.6 110.4



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 8.681 ppbv

RT: 3.60 min Scan# 205

Delta R.T. 0.00 min

Lab File: VL033700.D

Acq: 17 May 2019 1:59

Instrument :

MSVOA_L

ClientSampleId :

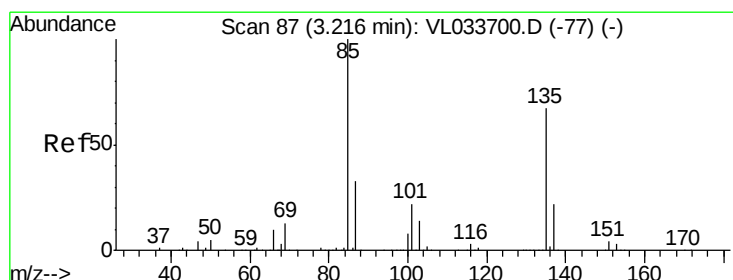
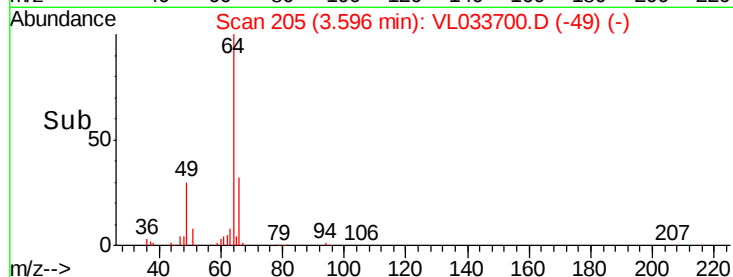
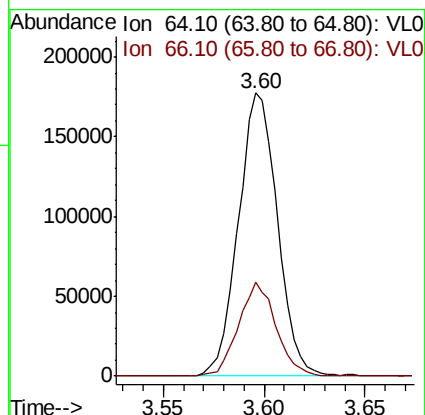
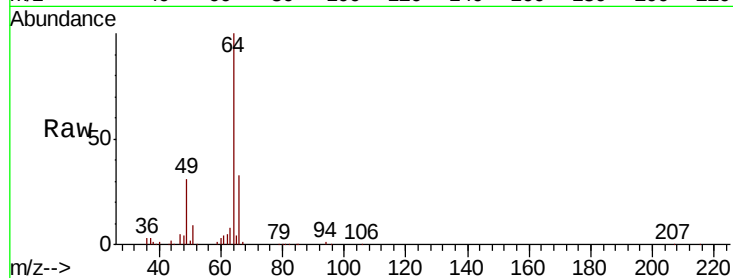
VSTDICCC010

Tgt Ion: 64 Resp: 241364

Ion Ratio Lower Upper

64 100

66 33.3 26.6 40.0



#8

Dichlorotetrafluoroethane

Concen: 8.297 ppbv

RT: 3.22 min Scan# 87

Delta R.T. 0.00 min

Lab File: VL033700.D

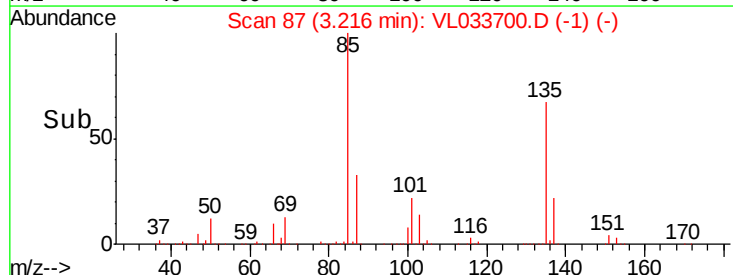
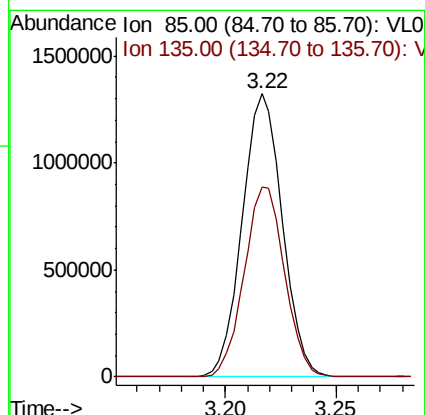
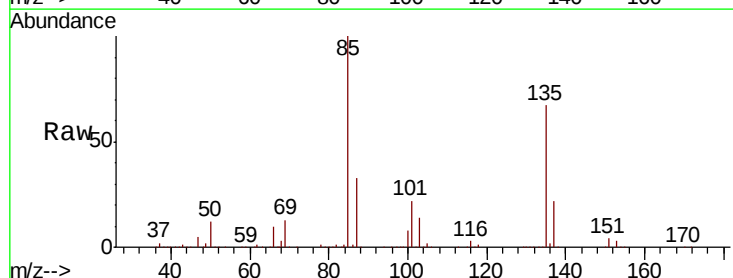
Acq: 17 May 2019 1:59

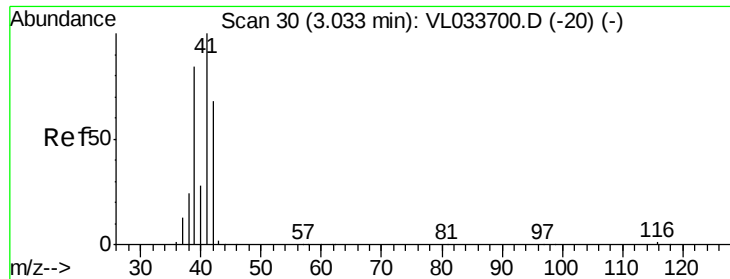
Tgt Ion: 85 Resp: 1670183

Ion Ratio Lower Upper

85 100

135 68.1 54.5 81.7





#9

Propene

Concen: 8.831 ppbv

RT: 3.03 min Scan# 30

Delta R.T. 0.00 min

Lab File: VL033700.D

Acq: 17 May 2019 1:59

Instrument :

MSVOA_L

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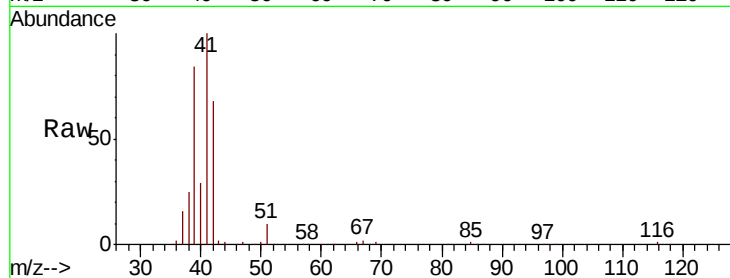
VSTDICCC010

Tgt Ion: 41 Resp: 509901

Ion Ratio Lower Upper

41 100

42 70.1 56.1 84.1



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3.03

400000

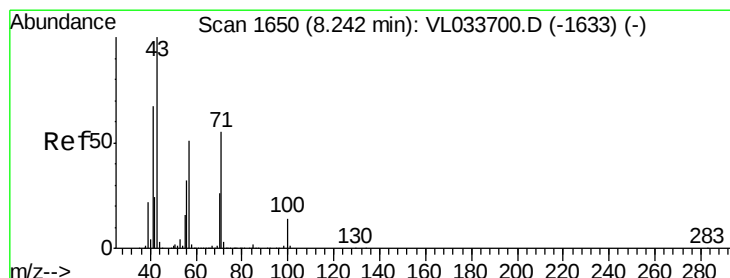
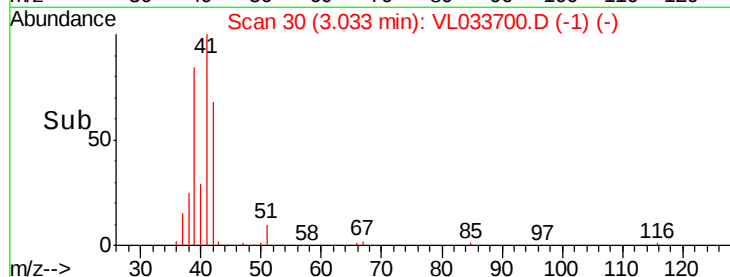
300000

200000

100000

0

Time-->



#10

Heptane

Concen: 9.957 ppbv

RT: 8.24 min Scan# 1650

Delta R.T. 0.00 min

Lab File: VL033700.D

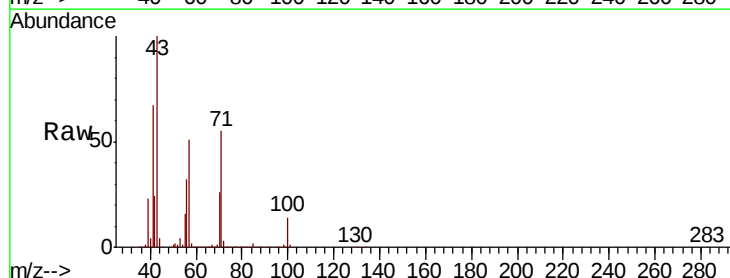
Acq: 17 May 2019 1:59

Tgt Ion: 43 Resp: 1424737

Ion Ratio Lower Upper

43 100

57 51.7 41.4 62.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.24

800000

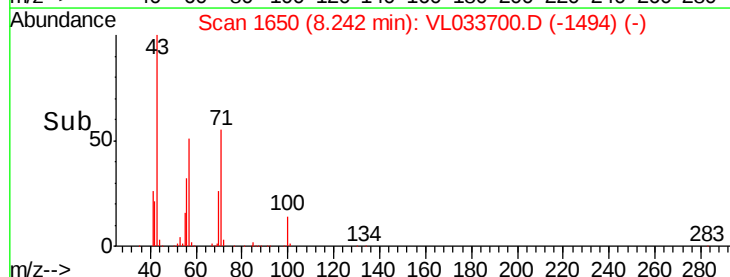
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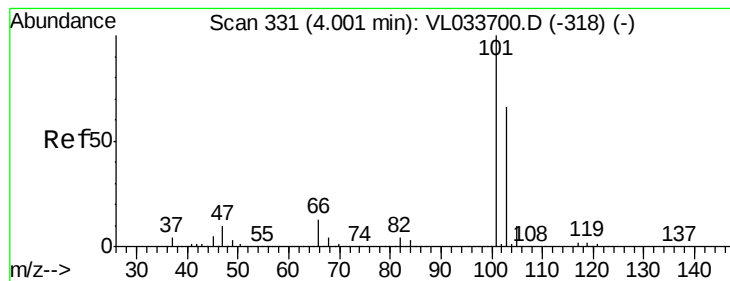
400000

200000

0

Time-->





#11

Trichlorofluoromethane

Concen: 9.027 ppbv

RT: 4.00 min Scan# 331

Delta R.T. 0.00 min

Lab File: VL033700.D

Acq: 17 May 2019 1:59

Instrument :

MSVOA_L

ClientSampleId :

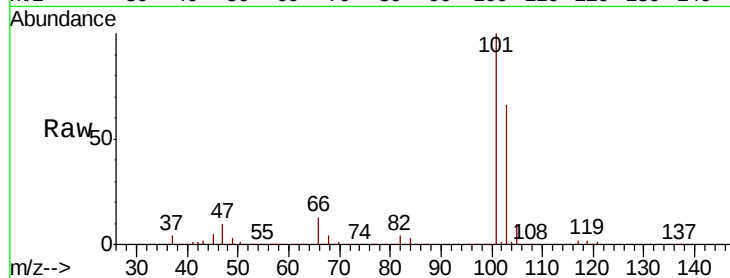
VSTDICCC010

Tgt Ion:101 Resp: 2088194

Ion Ratio Lower Upper

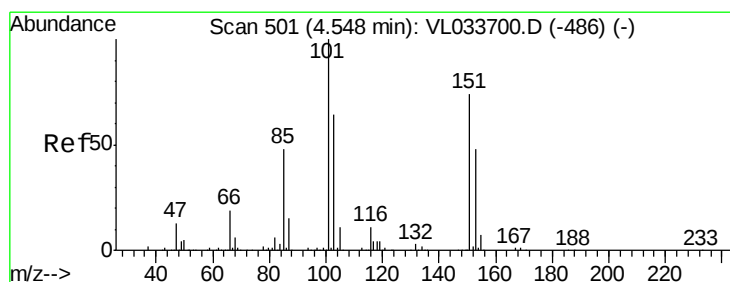
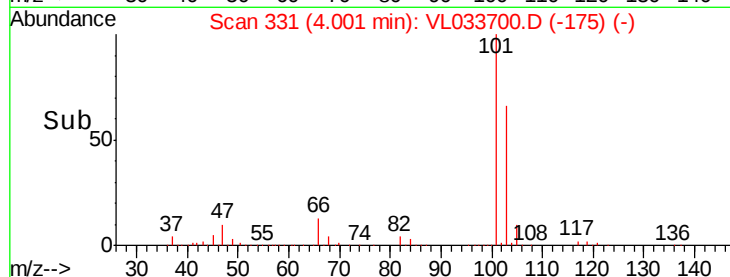
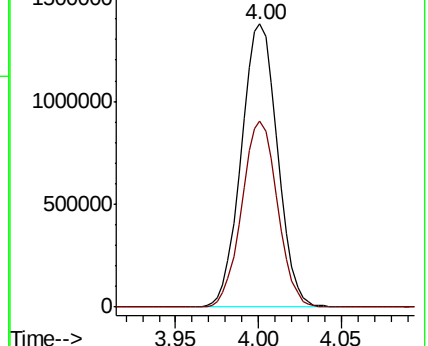
101 100

103 65.7 52.6 78.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.250 ppbv

RT: 4.55 min Scan# 501

Delta R.T. 0.00 min

Lab File: VL033700.D

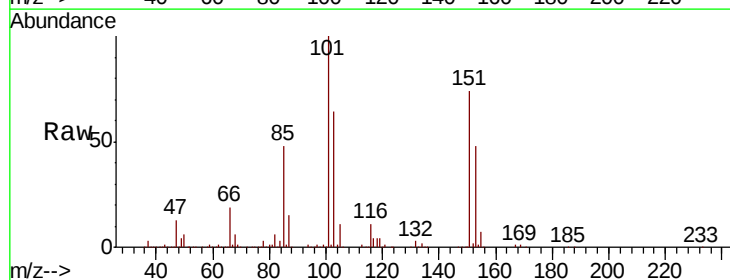
Acq: 17 May 2019 1:59

Tgt Ion:101 Resp: 1443182

Ion Ratio Lower Upper

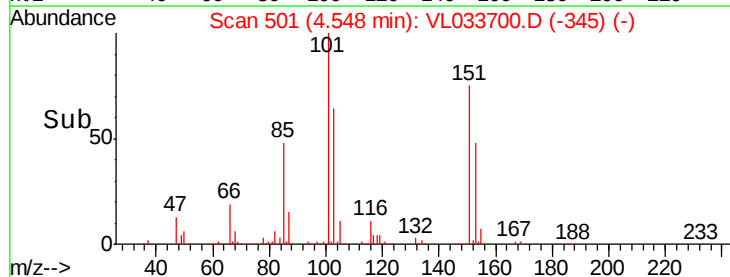
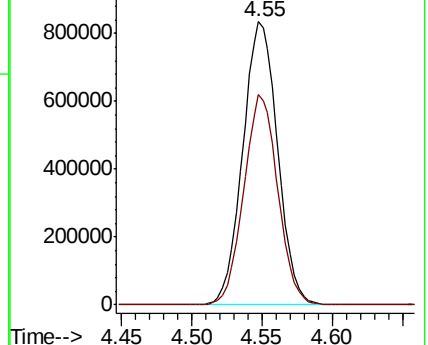
101 100

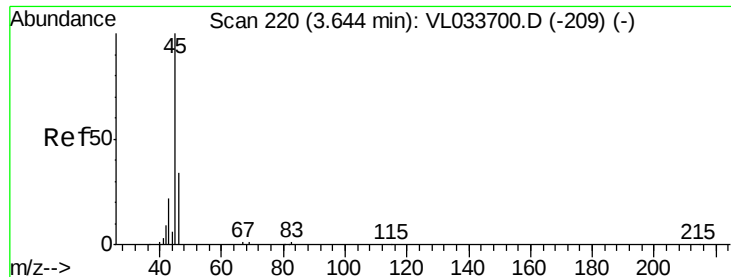
151 72.9 58.2 87.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

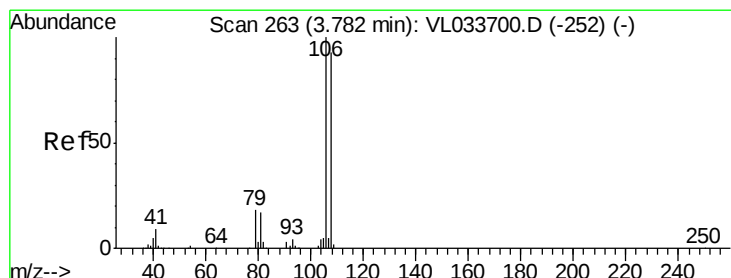
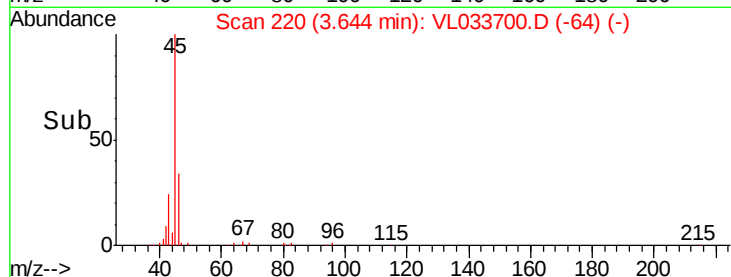
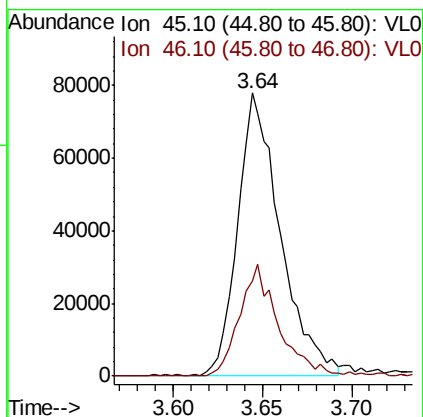
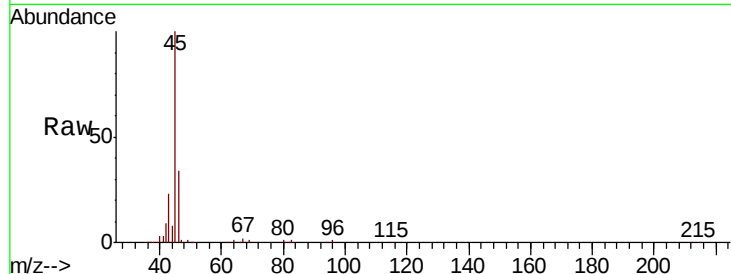




#13
Ethanol
Concen: 7.426 ppbv
RT: 3.64 min Scan# 220
Delta R.T. 0.00 min
Lab File: VL033700.D
Acq: 17 May 2019 1:59

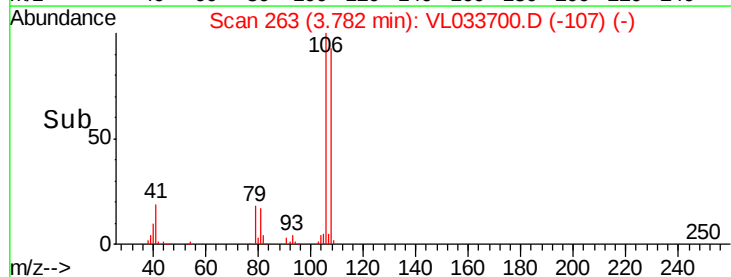
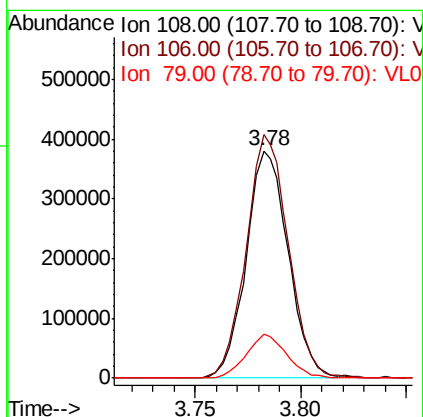
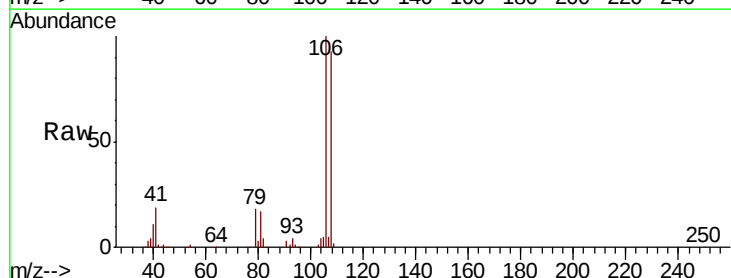
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

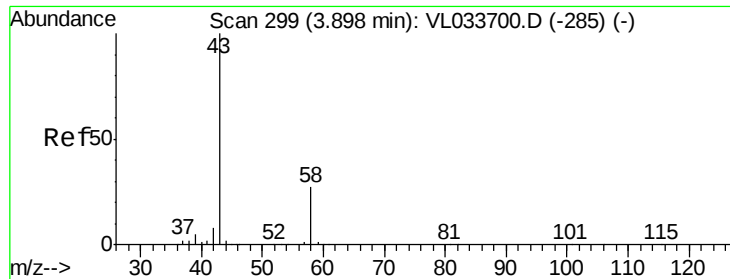
Tgt Ion: 45 Resp: 130589
Ion Ratio Lower Upper
45 100
46 36.9 14.8 59.0



#14
Bromoethene
Concen: 8.750 ppbv
RT: 3.78 min Scan# 263
Delta R.T. 0.00 min
Lab File: VL033700.D
Acq: 17 May 2019 1:59

Tgt Ion: 108 Resp: 526957
Ion Ratio Lower Upper
108 100
106 108.0 86.5 129.7
79 19.1 15.1 22.7





#15

Acetone

Concen: 8.398 ppbv

RT: 3.90 min Scan# 299

Delta R.T. 0.00 min

Lab File: VL033700.D

Acq: 17 May 2019 1:59

Instrument :

MSVOA_L

ClientSampleId :

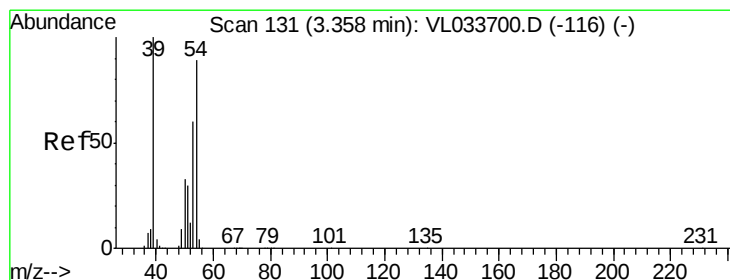
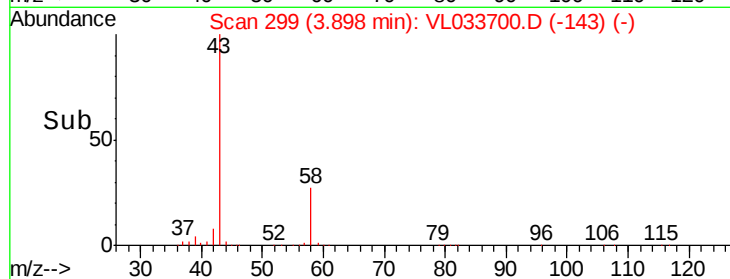
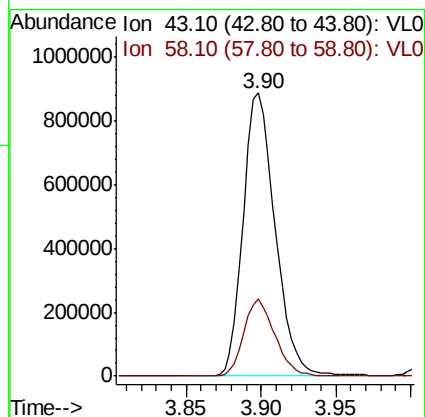
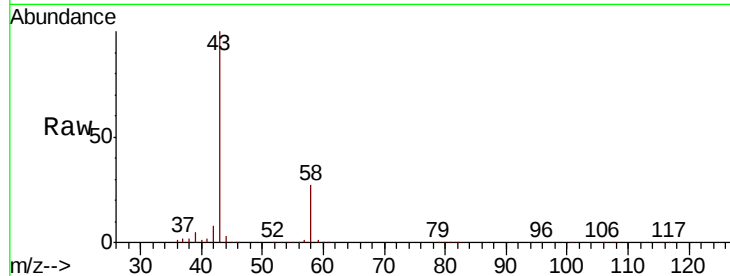
VSTDICCC010

Tgt Ion: 43 Resp: 1321766

Ion Ratio Lower Upper

43 100

58 26.6 21.3 31.9



#16

1,3-Butadiene

Concen: 8.566 ppbv

RT: 3.36 min Scan# 131

Delta R.T. 0.00 min

Lab File: VL033700.D

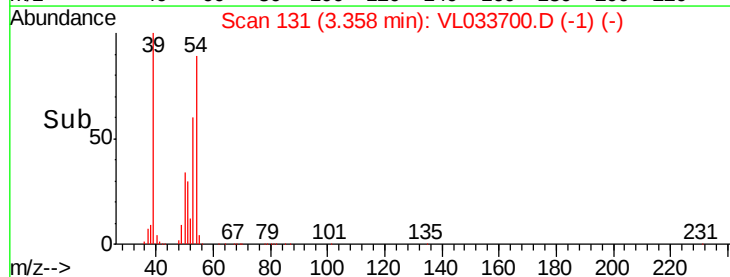
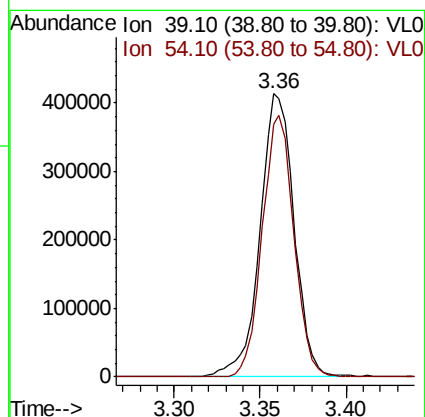
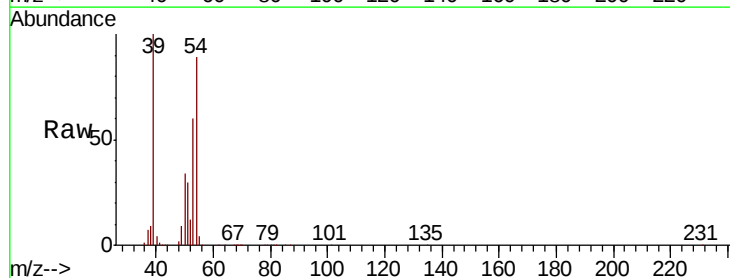
Acq: 17 May 2019 1:59

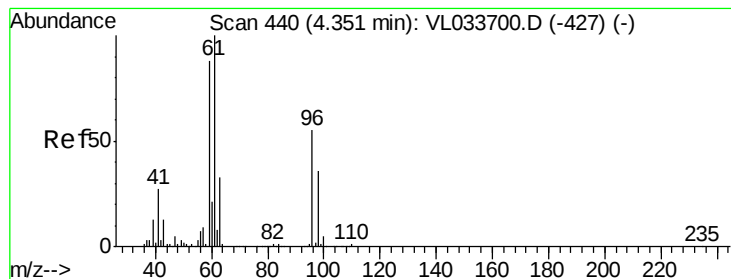
Tgt Ion: 39 Resp: 565787

Ion Ratio Lower Upper

39 100

54 86.3 69.0 103.6





#17

tert-Butyl alcohol

Concen: 10.136 ppbv

RT: 4.35 min Scan# 440

Delta R.T. 0.00 min

Lab File: VL033700.D

Acq: 17 May 2019 1:59

Instrument :

MSVOA_L

ClientSampleId :

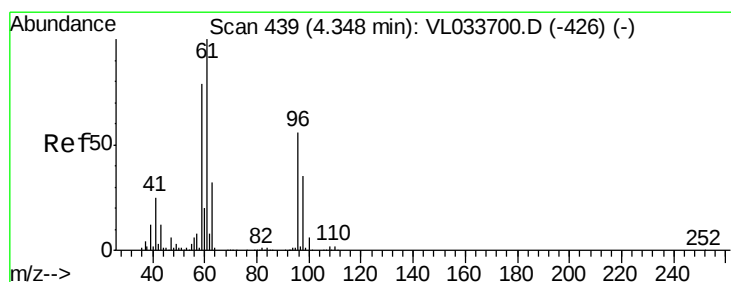
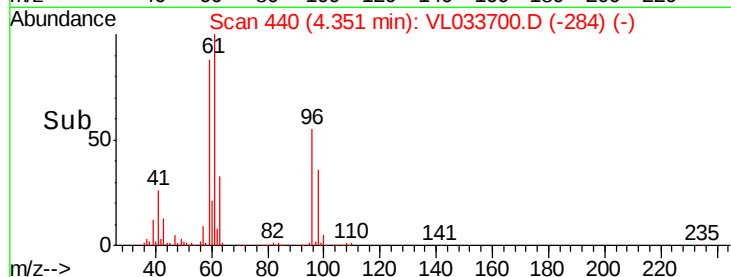
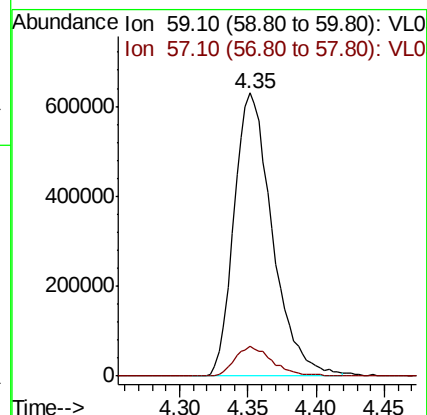
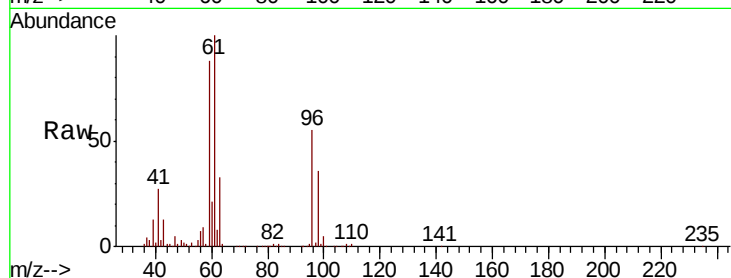
VSTDICCC010

Tgt Ion: 59 Resp: 1227478

Ion Ratio Lower Upper

59 100

57 10.5 8.4 12.6



#18

1,1-Dichloroethene

Concen: 9.385 ppbv

RT: 4.35 min Scan# 439

Delta R.T. 0.00 min

Lab File: VL033700.D

Acq: 17 May 2019 1:59

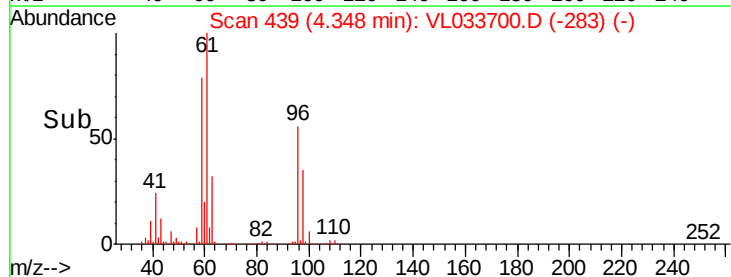
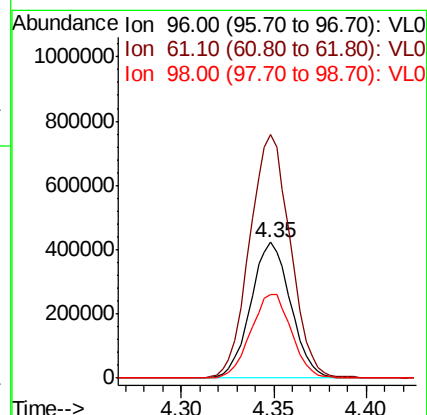
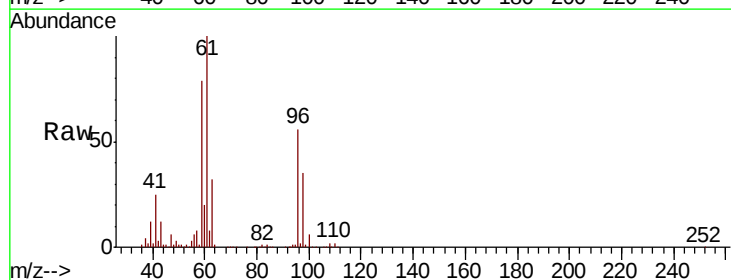
Tgt Ion: 96 Resp: 630599

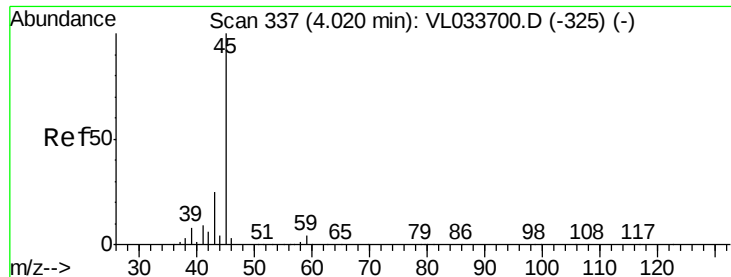
Ion Ratio Lower Upper

96 100

61 178.9 143.1 214.7

98 61.9 49.5 74.3





#19

Isopropyl Alcohol

Concen: 9.863 ppbv

RT: 4.02 min Scan# 337

Delta R.T. 0.00 min

Lab File: VL033700.D

Acq: 17 May 2019 1:59

Instrument :

MSVOA_L

ClientSampleId :

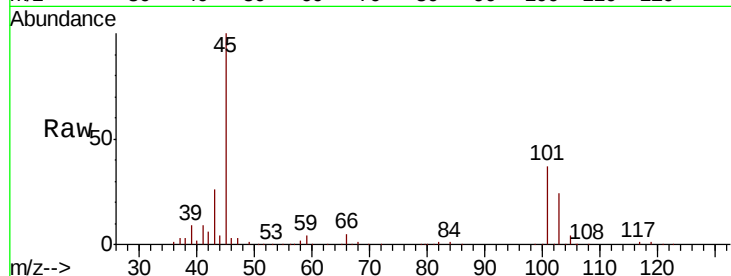
VSTDICCC010

Tgt Ion: 45 Resp: 969250

Ion Ratio Lower Upper

45 100

58 1.9 1.6 2.4



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.02

600000

500000

400000

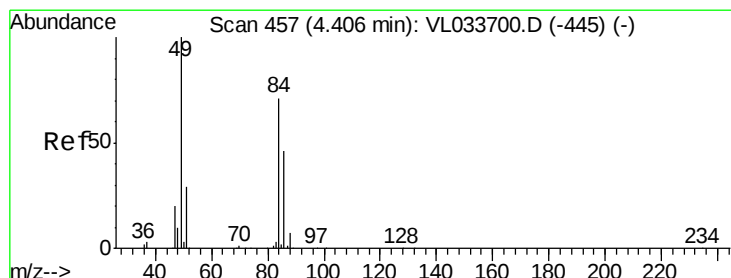
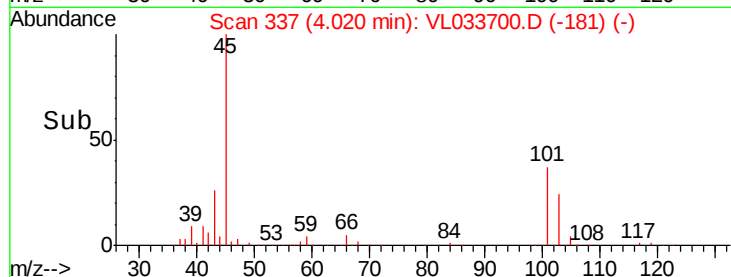
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 8.742 ppbv

RT: 4.41 min Scan# 457

Delta R.T. 0.00 min

Lab File: VL033700.D

Acq: 17 May 2019 1:59

Tgt Ion: 84 Resp: 520218

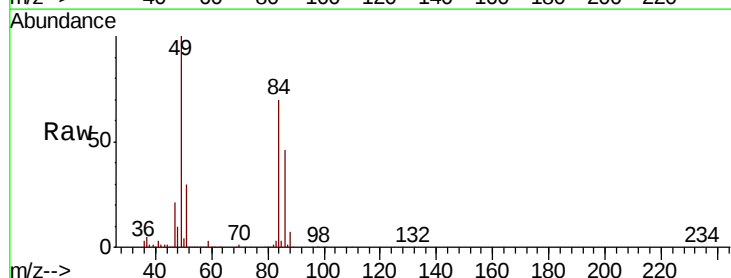
Ion Ratio Lower Upper

84 100

49 141.0 112.8 169.2

51 41.7 33.4 50.0

86 64.6 51.7 77.5



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

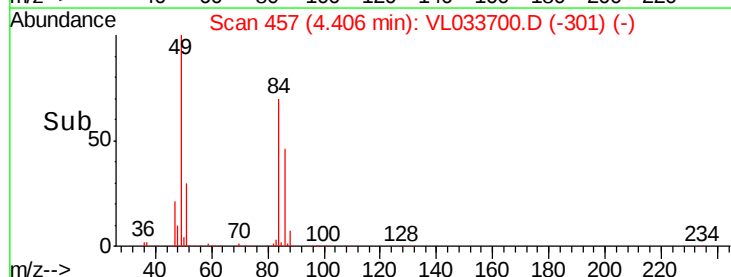
600000

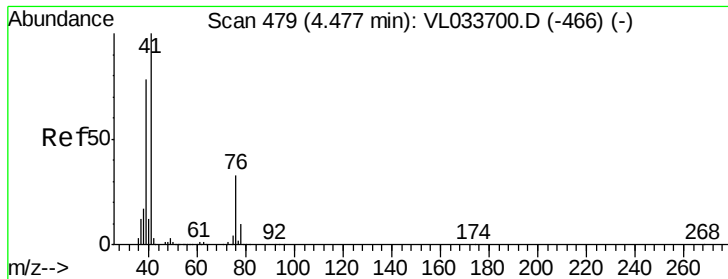
400000

200000

0

Time-->

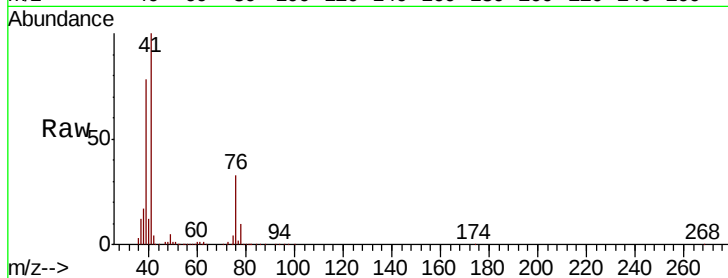




#21
 Allyl Chloride
 Concen: 9.842 ppbv
 RT: 4.48 min Scan# 479
 Delta R.T. 0.00 min
 Lab File: VL033700.D
 Acq: 17 May 2019 1:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion	Ratio	Lower	Upper
41	100		
76	32.4	25.9	38.9
39	80.8	64.6	97.0

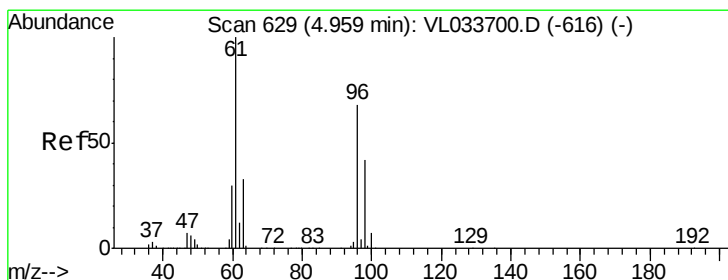
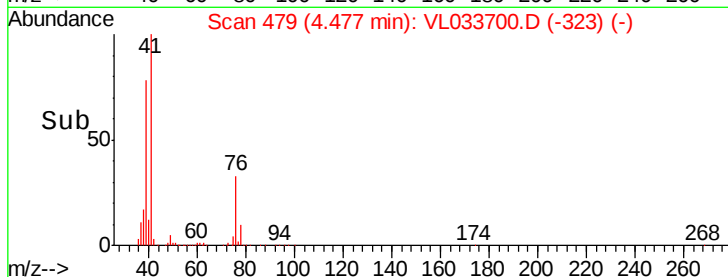
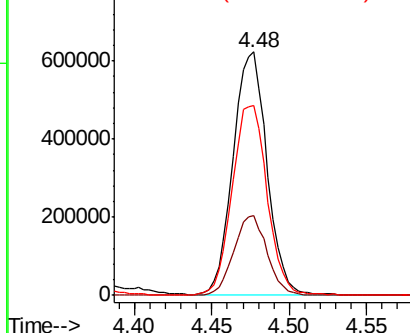


Abundance

Ion 41.10 (40.80 to 41.80): VL0

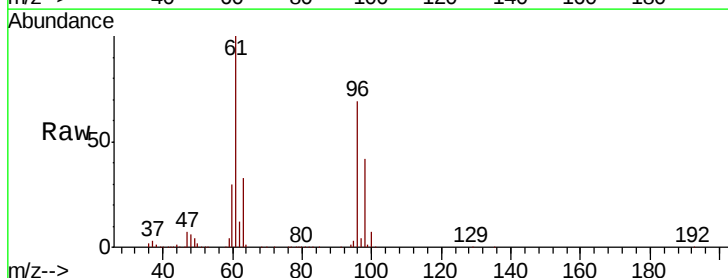
Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#22
 trans-1,2-Dichloroethene
 Concen: 9.142 ppbv
 RT: 4.96 min Scan# 629
 Delta R.T. 0.00 min
 Lab File: VL033700.D
 Acq: 17 May 2019 1:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.0	116.8	175.2
98	61.7	49.4	74.0

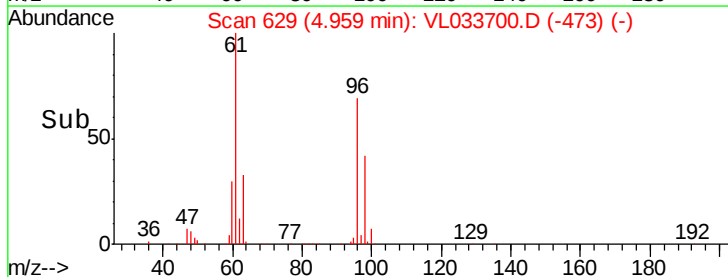
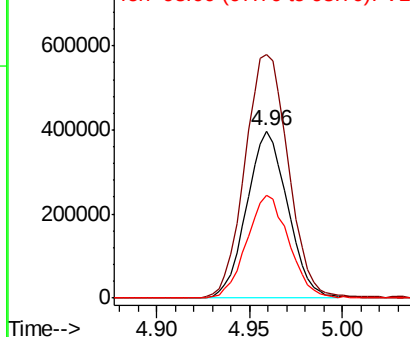


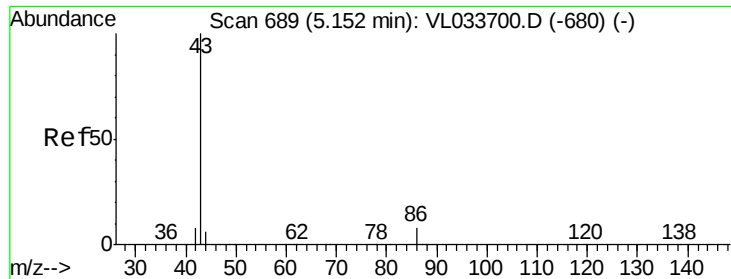
Abundance

Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 9.744 ppbv

RT: 5.15 min Scan# 689

Delta R.T. 0.00 min

Lab File: VL033700.D

Acq: 17 May 2019 1:59

Instrument :

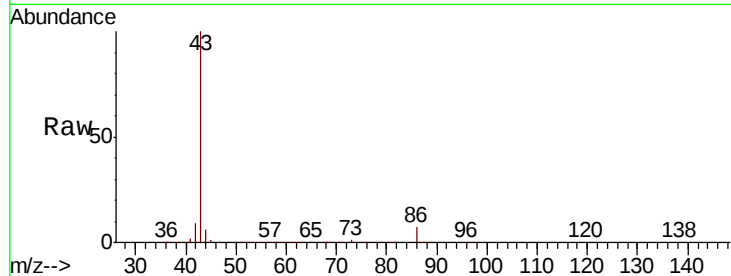
MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 43 Resp: 1976967

Ion	Ratio	Lower	Upper
43	100		
86	7.5	6.0	9.0
42	9.4	7.5	11.3
44	5.5	4.4	6.6

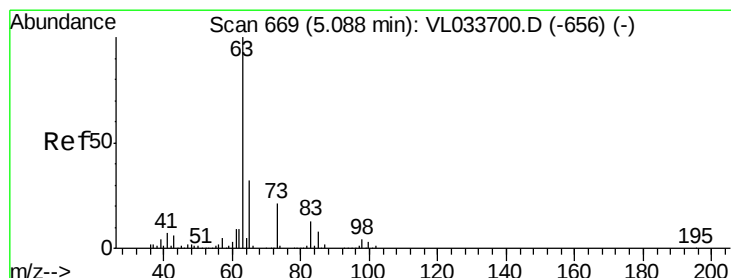
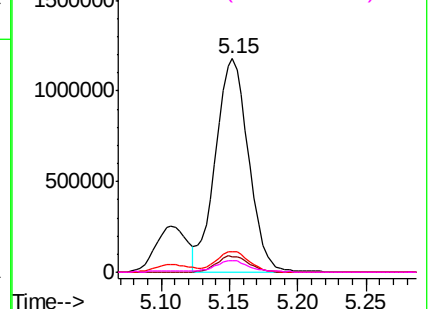
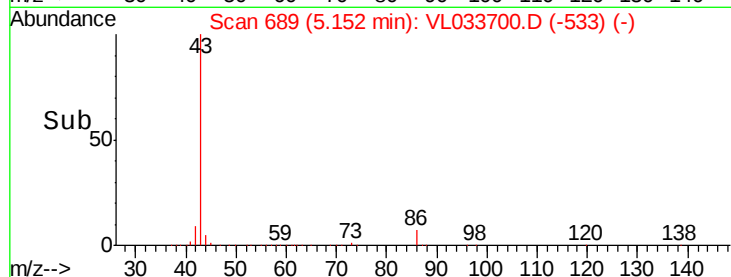


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 8.912 ppbv

RT: 5.09 min Scan# 669

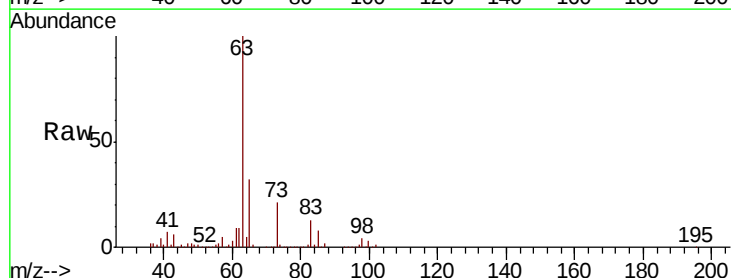
Delta R.T. 0.00 min

Lab File: VL033700.D

Acq: 17 May 2019 1:59

Tgt Ion: 63 Resp: 1365989

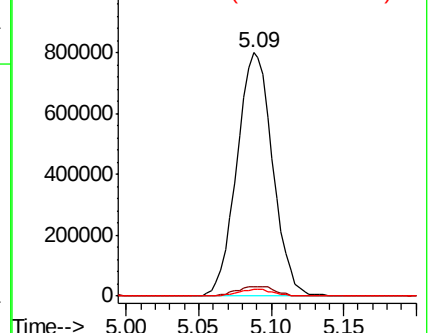
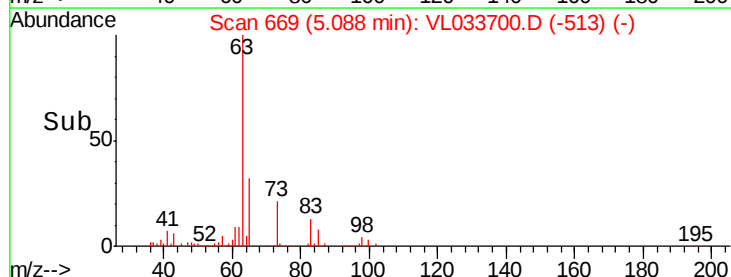
Ion	Ratio	Lower	Upper
63	100		
98	3.7	1.8	5.5
100	2.8	1.4	4.2

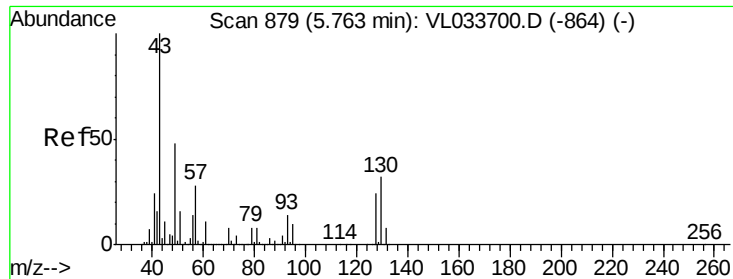


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



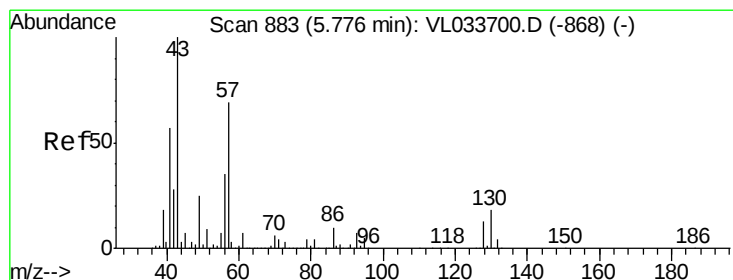
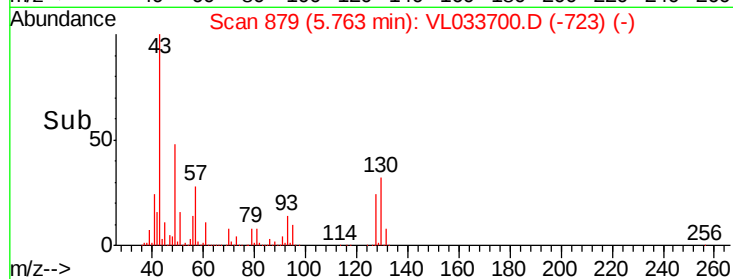
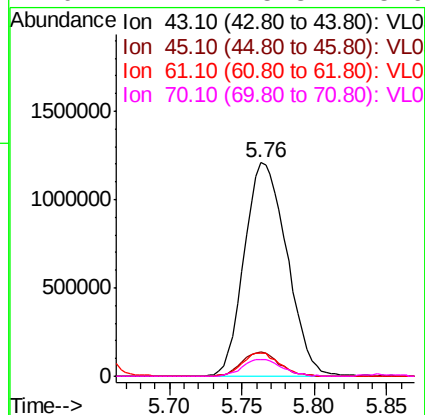
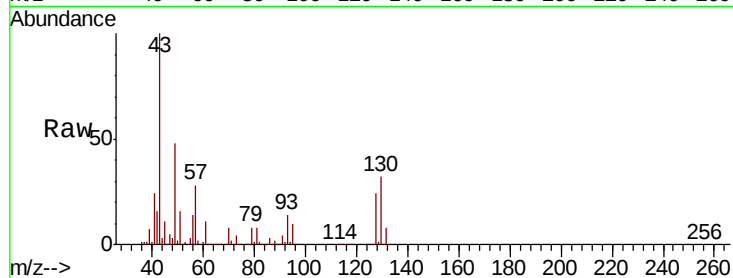


#25
Ethyl Acetate
Concen: 9.642 ppbv
RT: 5.76 min Scan# 879
Delta R.T. 0.00 min
Lab File: VL033700.D
Acq: 17 May 2019 1:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 2471695

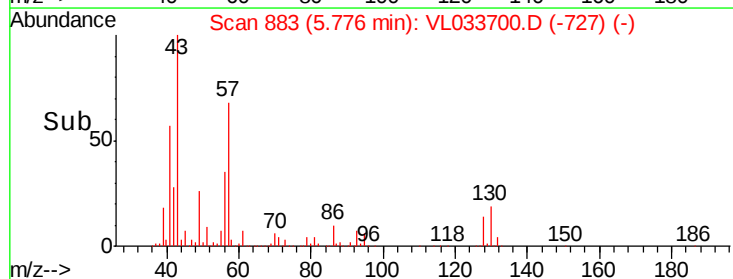
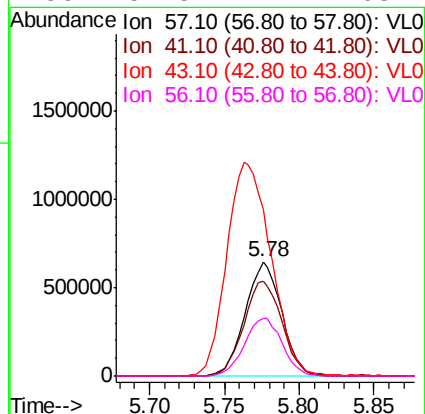
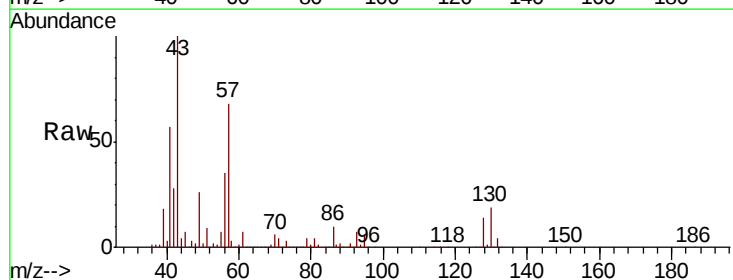
Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.9	11.9
61	9.8	7.7	11.5
70	7.2	5.8	8.6

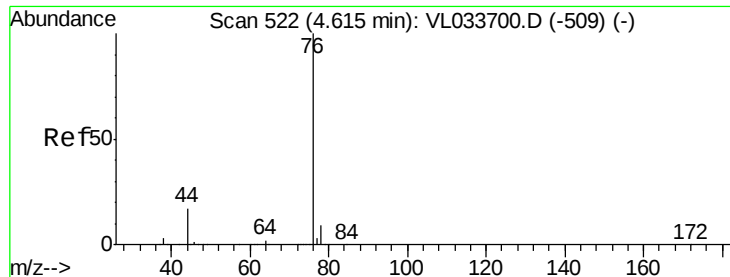


#26
Hexane
Concen: 9.917 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.00 min
Lab File: VL033700.D
Acq: 17 May 2019 1:59

Tgt Ion: 57 Resp: 1093223

Ion	Ratio	Lower	Upper
57	100		
41	87.1	69.8	104.6
43	226.8	181.8	272.6
56	52.5	42.1	63.1

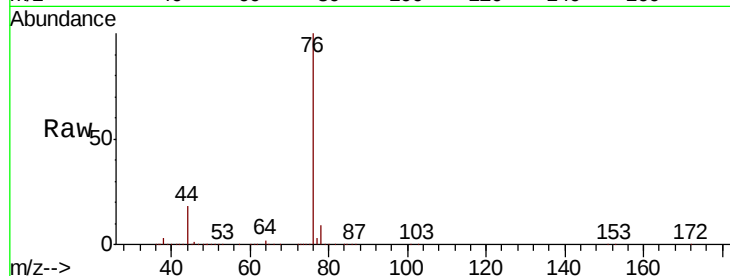




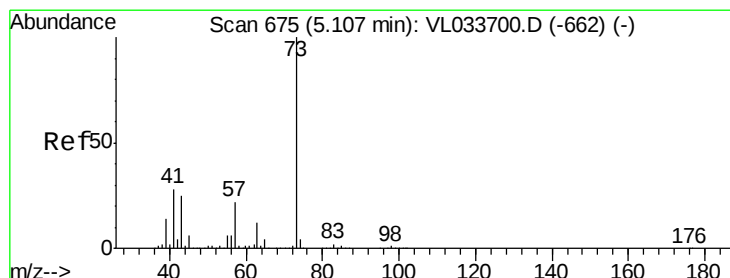
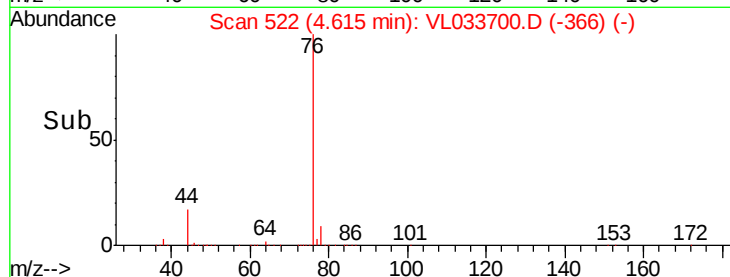
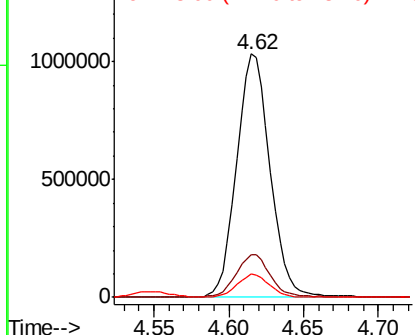
#27
Carbon Disulfide
Concen: 10.629 ppbv
RT: 4.62 min Scan# 522
Delta R.T. 0.00 min
Lab File: VL033700.D
Acq: 17 May 2019 1:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 76 Resp: 1608504
Ion Ratio Lower Upper
76 100
44 17.5 13.8 20.8
78 9.3 7.4 11.0

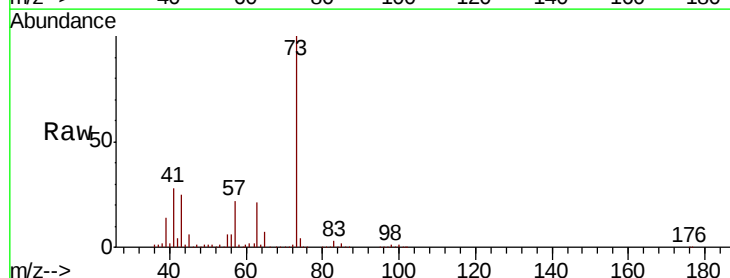


Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0

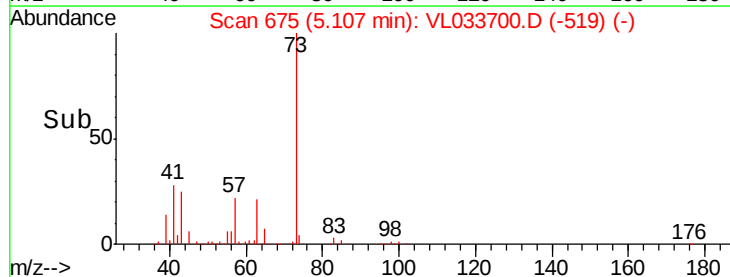
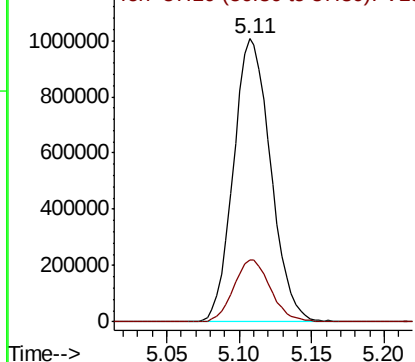


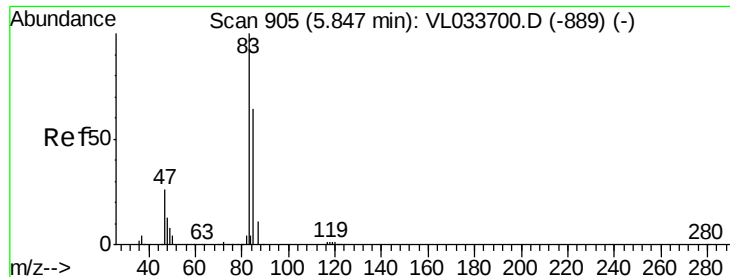
#28
Methyl tert-Butyl Ether
Concen: 9.747 ppbv
RT: 5.11 min Scan# 675
Delta R.T. 0.00 min
Lab File: VL033700.D
Acq: 17 May 2019 1:59

Tgt Ion: 73 Resp: 1794779
Ion Ratio Lower Upper
73 100
57 21.8 17.4 26.2



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

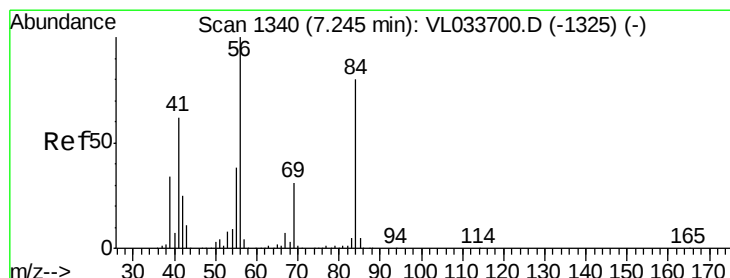
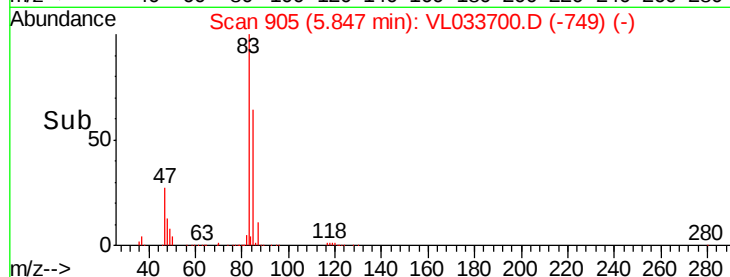
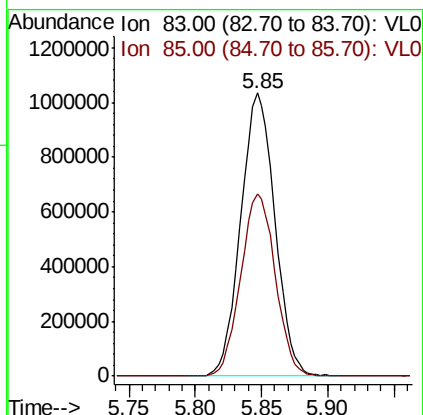
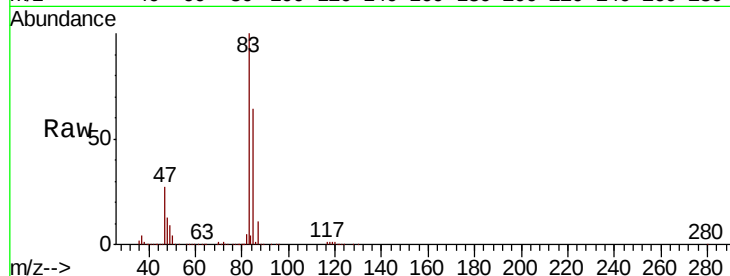




#29
Chloroform
Concen: 9.391 ppbv
RT: 5.85 min Scan# 905
Delta R.T. 0.00 min
Lab File: VL033700.D
Acq: 17 May 2019 1:59

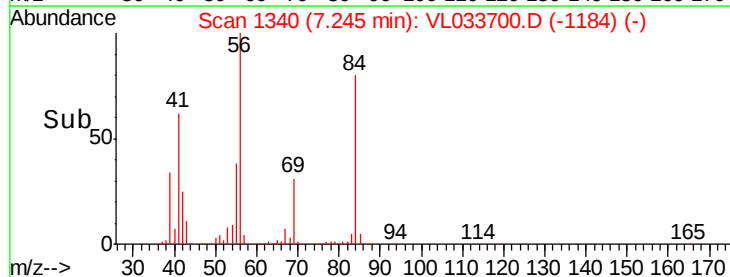
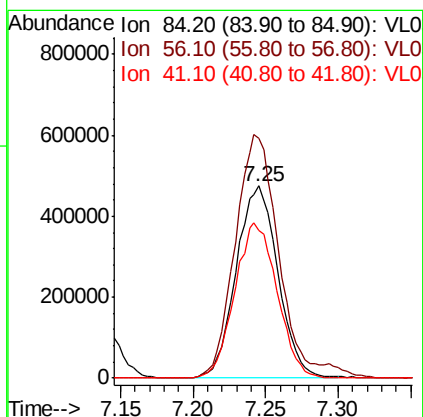
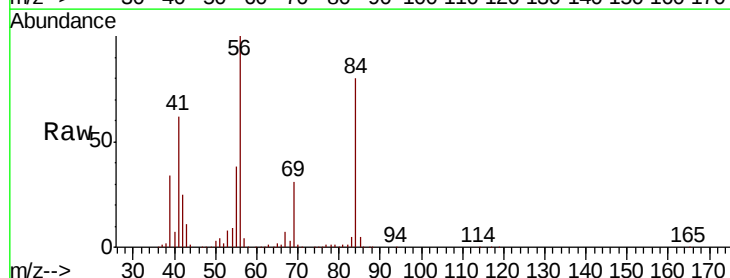
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

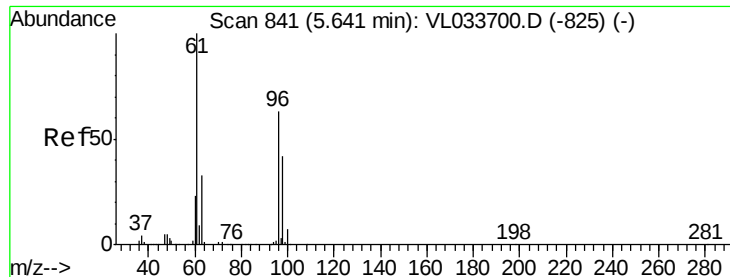
Tgt Ion: 83 Resp: 1856904
Ion Ratio Lower Upper
83 100
85 64.4 51.5 77.3



#30
Cyclohexane
Concen: 10.302 ppbv
RT: 7.25 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VL033700.D
Acq: 17 May 2019 1:59

Tgt Ion: 84 Resp: 948099
Ion Ratio Lower Upper
84 100
56 134.5 107.7 161.5
41 82.2 66.0 99.0



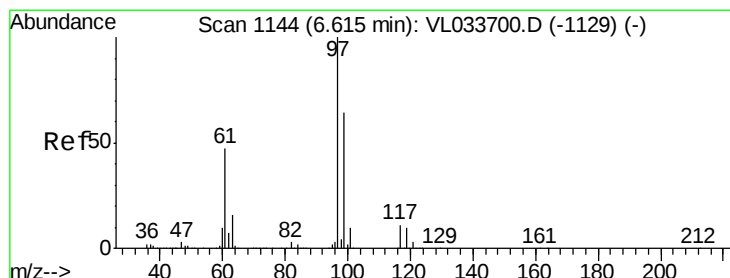
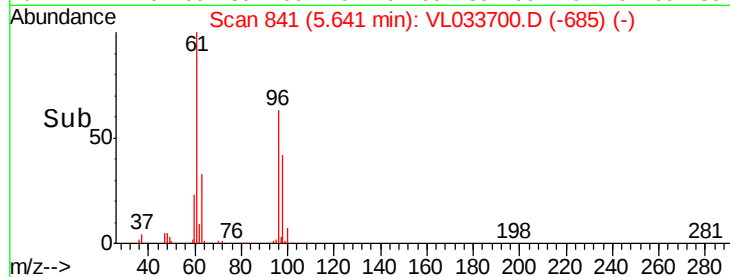
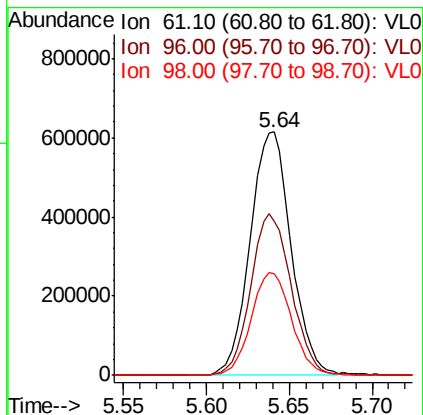
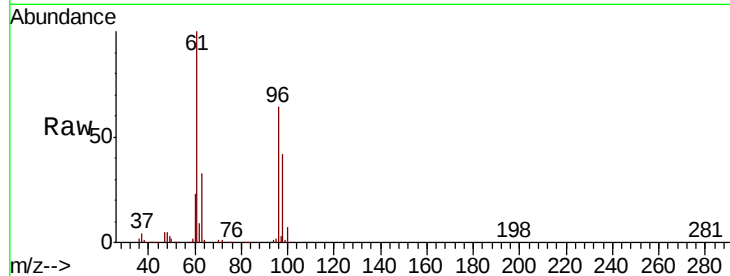


#31

cis-1,2-Dichloroethene
 Concen: 9.769 ppbv
 RT: 5.64 min Scan# 841
 Delta R.T. 0.00 min
 Lab File: VL033700.D
 Acq: 17 May 2019 1:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

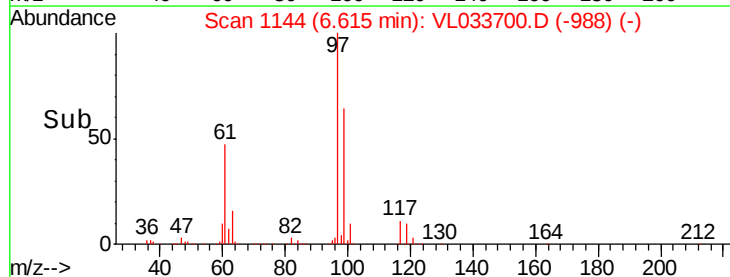
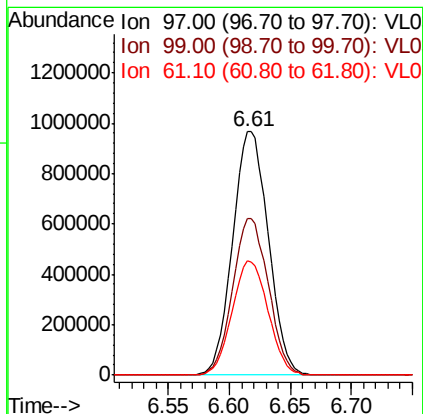
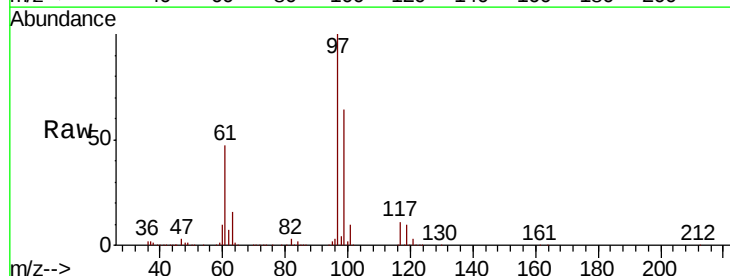
Tgt Ion: 61 Resp: 1058458
 Ion Ratio Lower Upper
 61 100
 96 63.5 50.8 76.2
 98 41.6 33.3 49.9

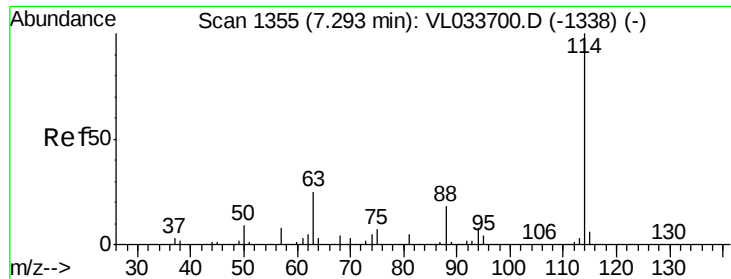


#32

1,1,1-Trichloroethane
 Concen: 9.630 ppbv
 RT: 6.61 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VL033700.D
 Acq: 17 May 2019 1:59

Tgt Ion: 97 Resp: 1959726
 Ion Ratio Lower Upper
 97 100
 99 64.4 51.5 77.3
 61 47.3 37.8 56.8

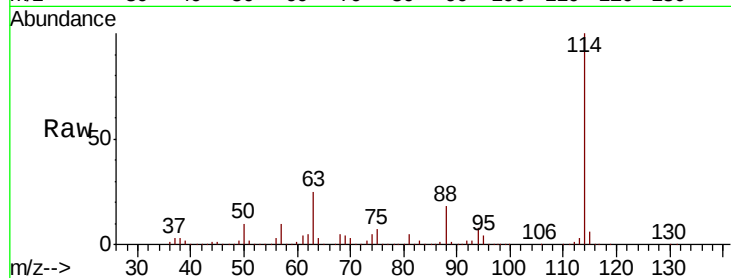




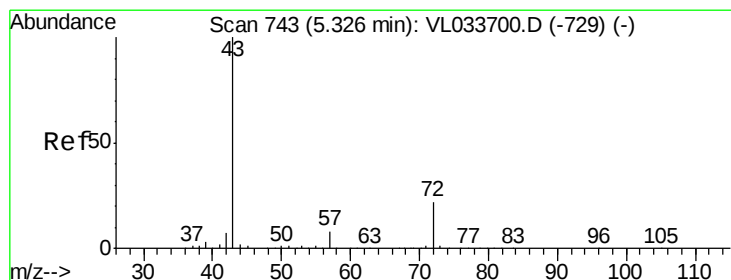
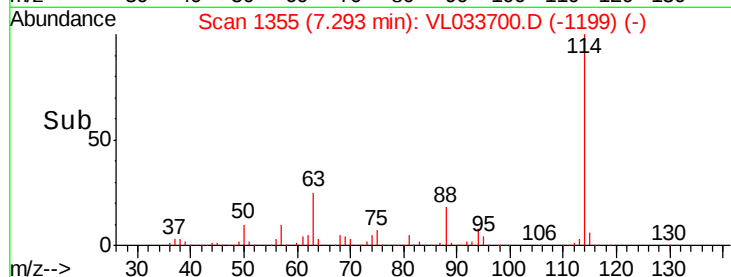
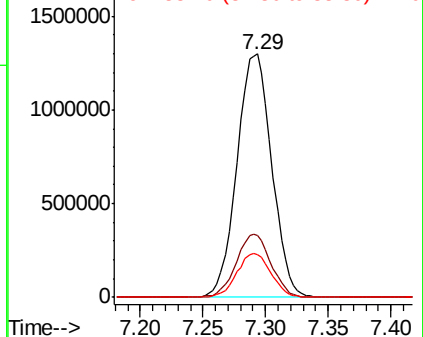
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1355
 Delta R.T. 0.00 min
 Lab File: VL033700.D
 Acq: 17 May 2019 1:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 114 Resp: 2501234
 Ion Ratio Lower Upper
 114 100
 63 26.2 20.9 31.3
 88 17.8 14.3 21.5

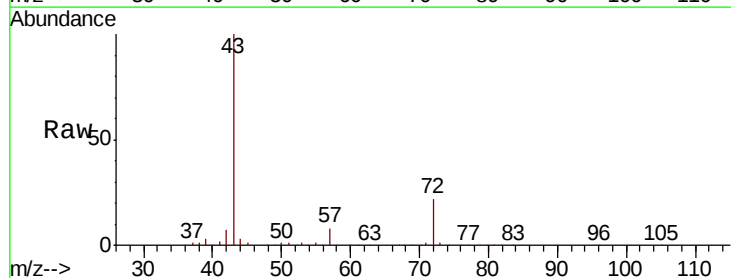


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

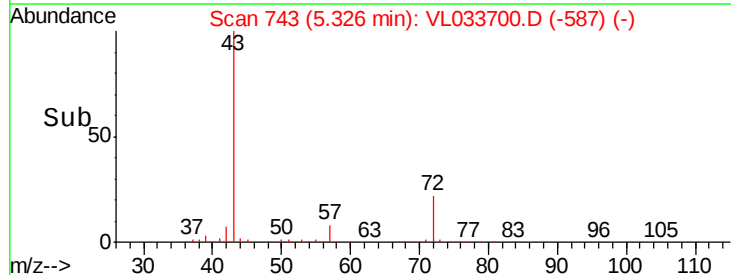
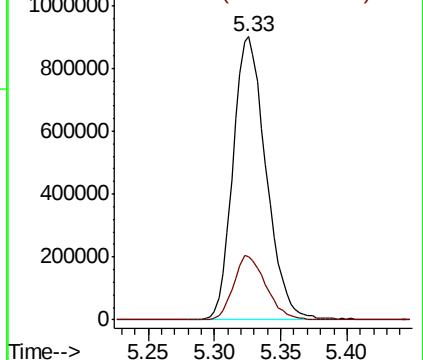


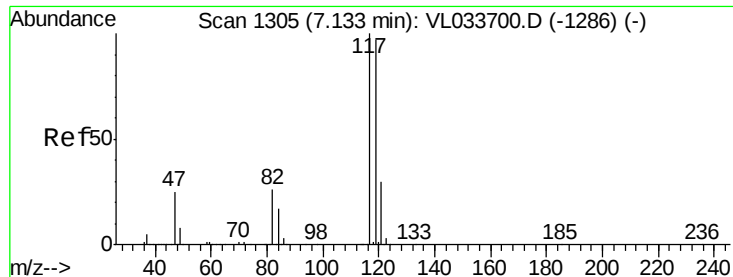
#34
 2-Butanone
 Concen: 9.711 ppbv
 RT: 5.33 min Scan# 743
 Delta R.T. 0.00 min
 Lab File: VL033700.D
 Acq: 17 May 2019 1:59

Tgt Ion: 43 Resp: 1558459
 Ion Ratio Lower Upper
 43 100
 72 22.4 17.8 26.6



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





#35

Carbon Tetrachloride

Concen: 10.016 ppbv

RT: 7.13 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VL033700.D

Acq: 17 May 2019 1:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

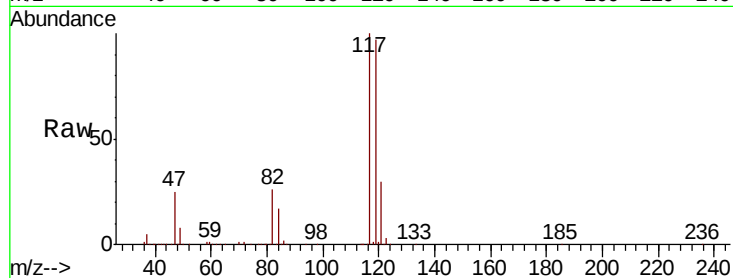
Tgt Ion: 117 Resp: 2061441

Ion Ratio Lower Upper

117 100

119 96.5 77.2 115.8

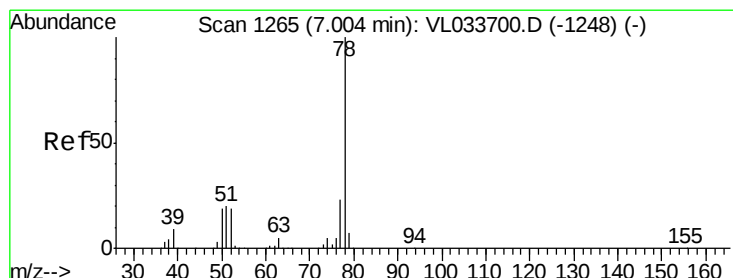
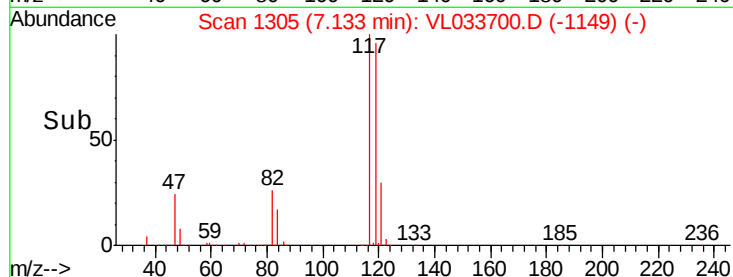
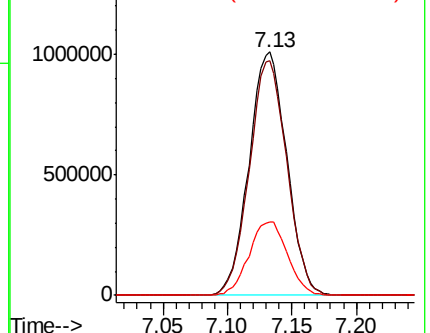
121 30.1 24.1 36.1



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: 10.327 ppbv

RT: 7.00 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VL033700.D

Acq: 17 May 2019 1:59

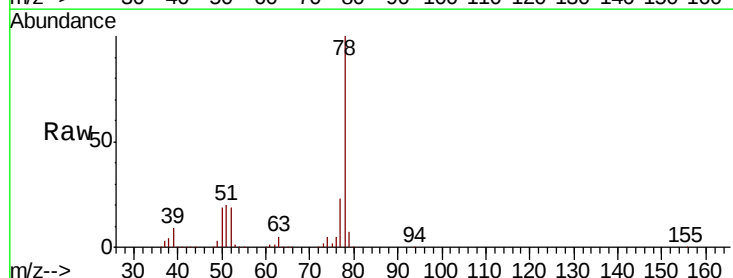
Tgt Ion: 78 Resp: 2333922

Ion Ratio Lower Upper

78 100

77 23.0 18.4 27.6

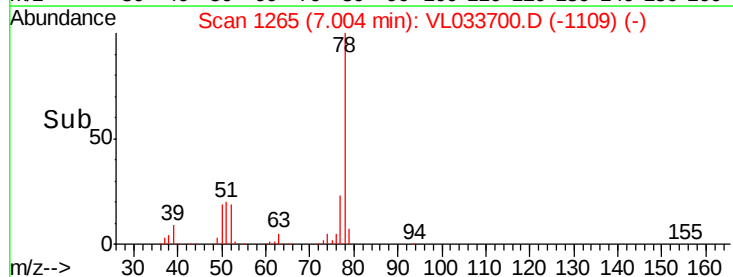
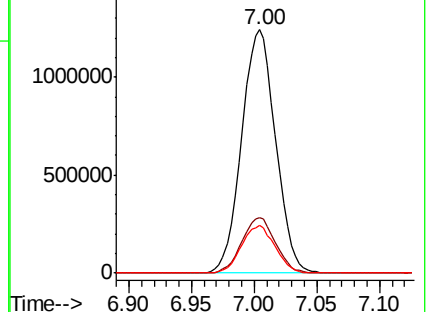
50 19.4 15.5 23.3

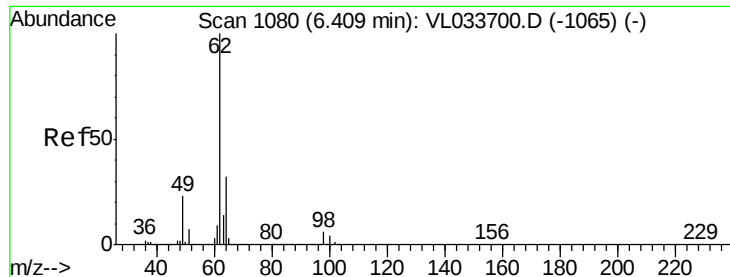


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

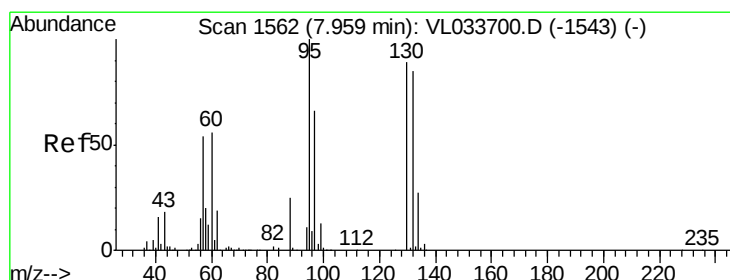
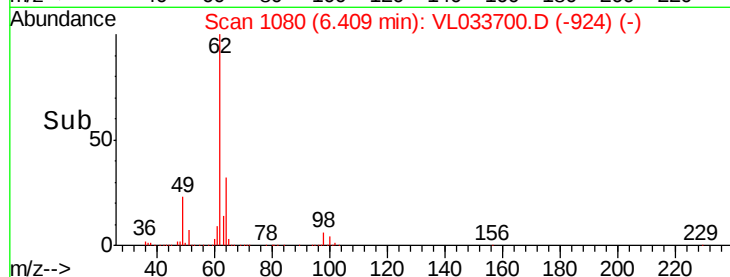
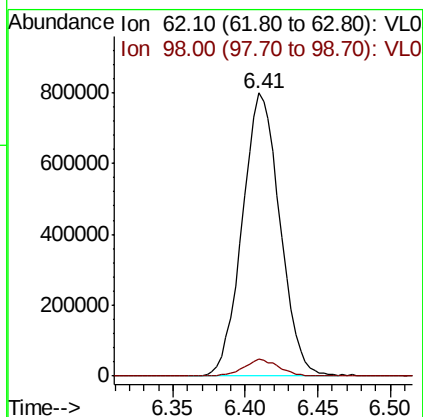
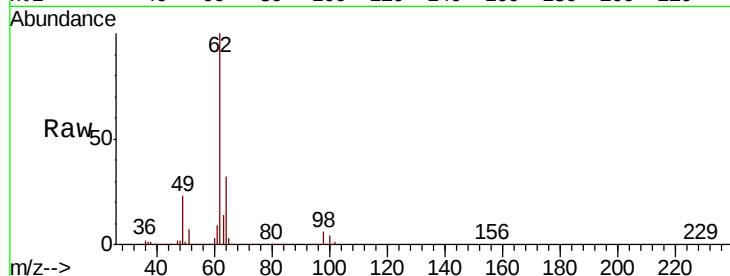




#37
 1,2-Dichloroethane
 Concen: 9.149 ppbv
 RT: 6.41 min Scan# 1080
 Delta R.T. 0.00 min
 Lab File: VL033700.D
 Acq: 17 May 2019 1:59

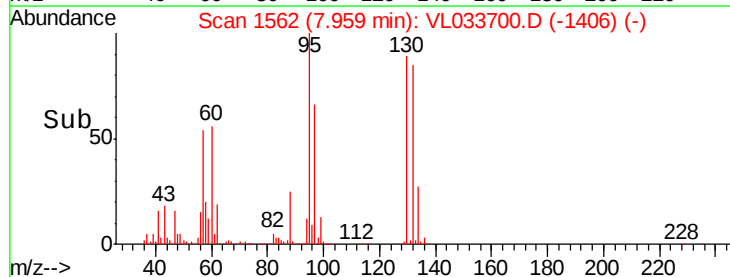
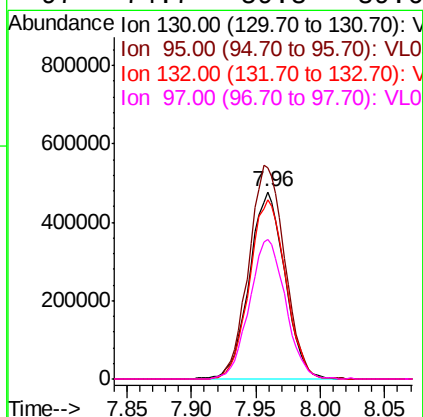
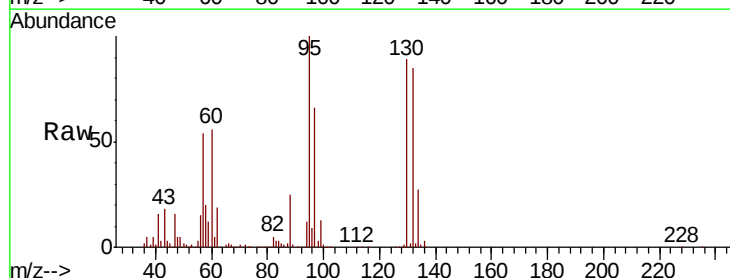
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

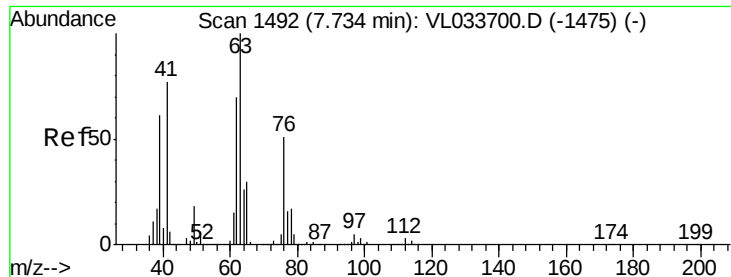
Tgt Ion: 62 Resp: 1441332
 Ion Ratio Lower Upper
 62 100
 98 5.6 4.5 6.7



#38
 Trichloroethene
 Concen: 11.068 ppbv
 RT: 7.96 min Scan# 1562
 Delta R.T. 0.00 min
 Lab File: VL033700.D
 Acq: 17 May 2019 1:59

Tgt Ion: 130 Resp: 912645
 Ion Ratio Lower Upper
 130 100
 95 112.8 90.2 135.4
 132 95.5 76.4 114.6
 97 74.7 59.8 89.6

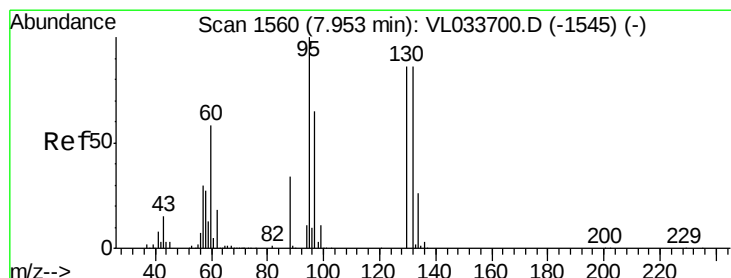
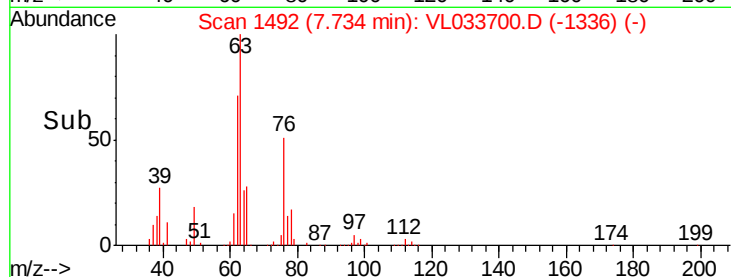
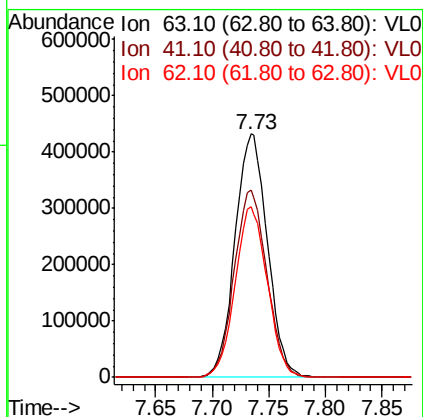
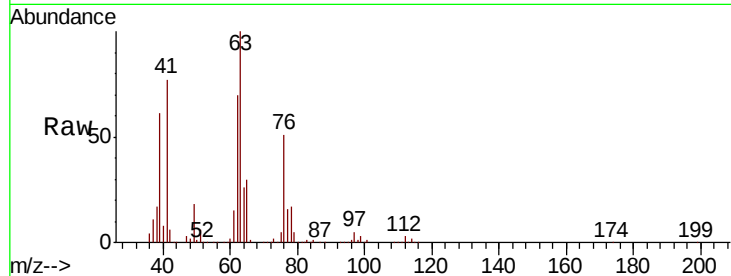




#39
 1,2-Dichloropropane
 Concen: 10.241 ppbv
 RT: 7.73 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: VL033700.D
 Acq: 17 May 2019 1:59

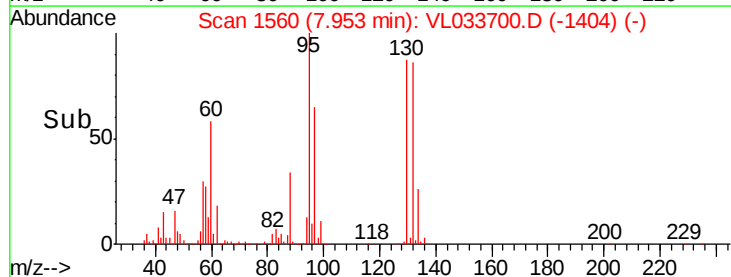
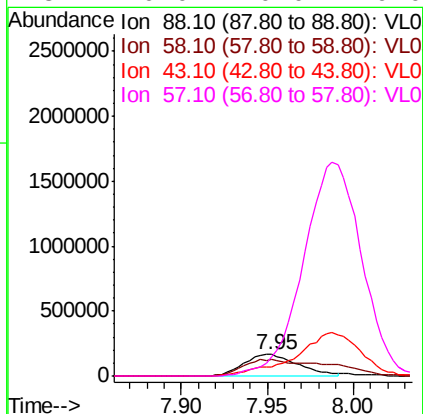
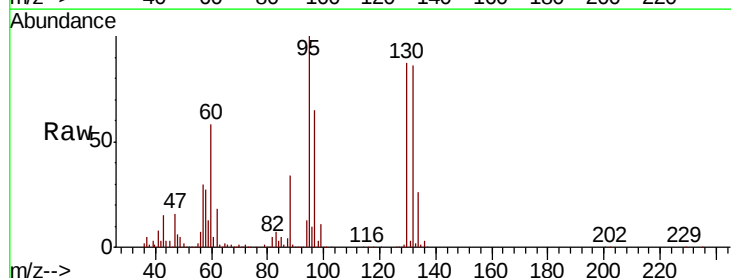
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

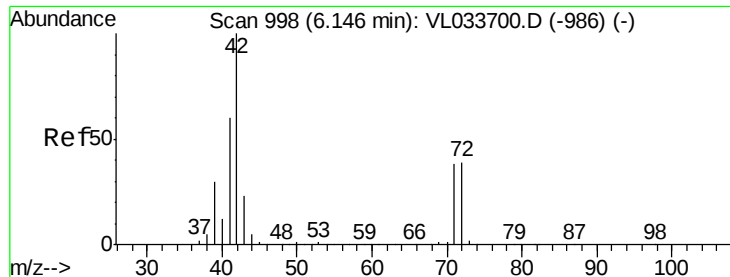
Tgt Ion: 63 Resp: 862673
 Ion Ratio Lower Upper
 63 100
 41 76.9 61.5 92.3
 62 70.3 56.2 84.4



#40
 1,4-Dioxane
 Concen: 10.748 ppbv
 RT: 7.95 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: VL033700.D
 Acq: 17 May 2019 1:59

Tgt Ion: 88 Resp: 366322
 Ion Ratio Lower Upper
 88 100
 58 127.0 101.8 152.6
 43 0.0 0.0 0.0
 57 0.0 0.0 0.0

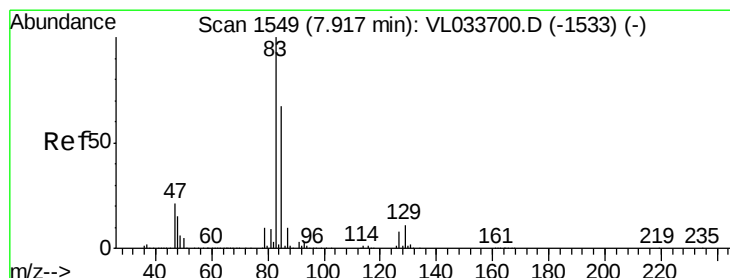
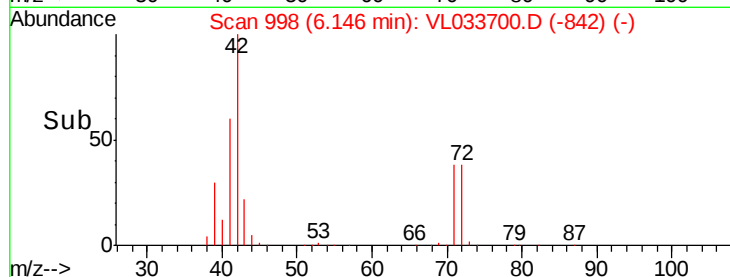
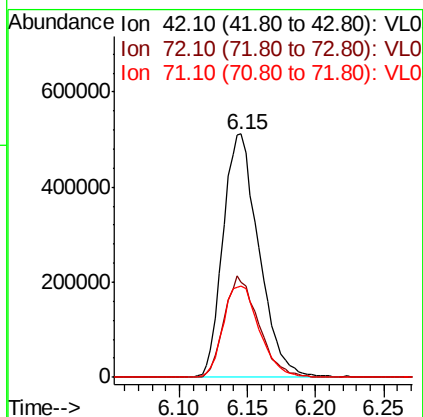
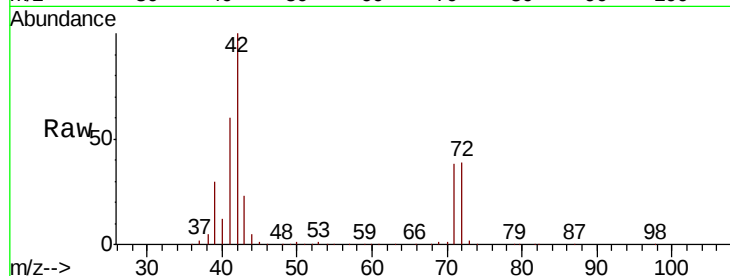




#41
Tetrahydrofuran
Concen: 11.126 ppbv
RT: 6.15 min Scan# 998
Delta R.T. 0.00 min
Lab File: VL033700.D
Acq: 17 May 2019 1:59

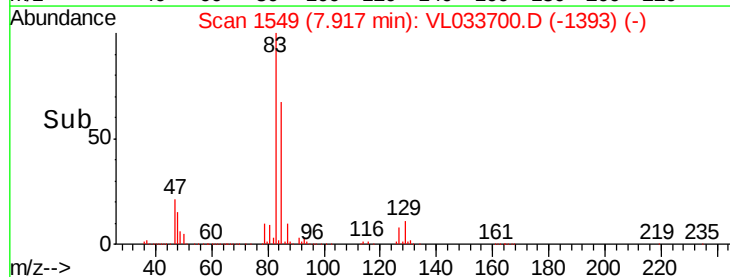
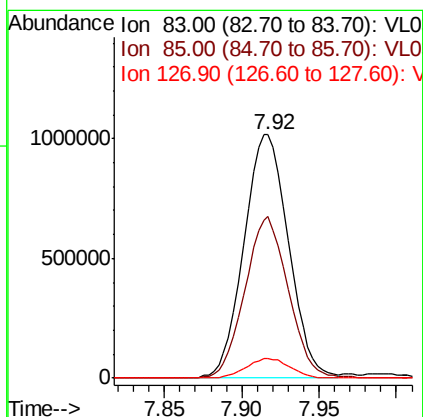
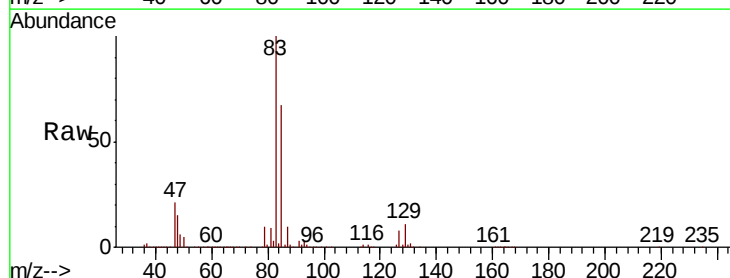
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

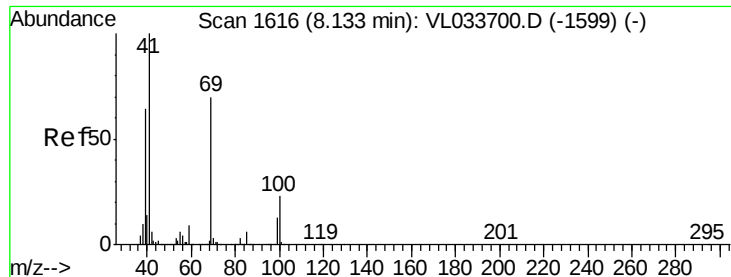
Tgt Ion: 42 Resp: 934508
Ion Ratio Lower Upper
42 100
72 40.1 32.0 48.0
71 38.1 30.4 45.6



#42
Bromodichloromethane
Concen: 10.078 ppbv
RT: 7.92 min Scan# 1549
Delta R.T. 0.00 min
Lab File: VL033700.D
Acq: 17 May 2019 1:59

Tgt Ion: 83 Resp: 2040565
Ion Ratio Lower Upper
83 100
85 66.6 53.3 79.9
127 8.1 6.5 9.7

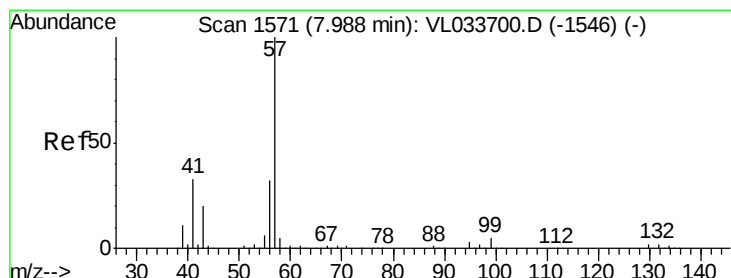
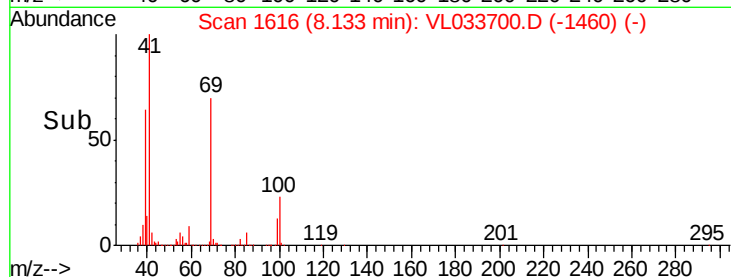
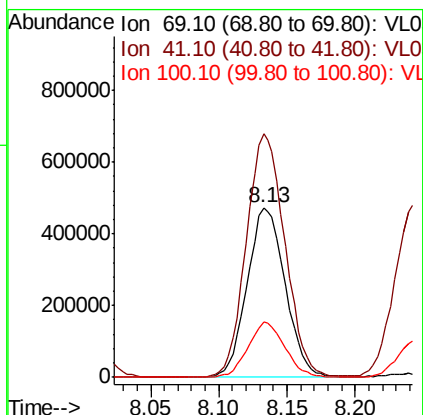
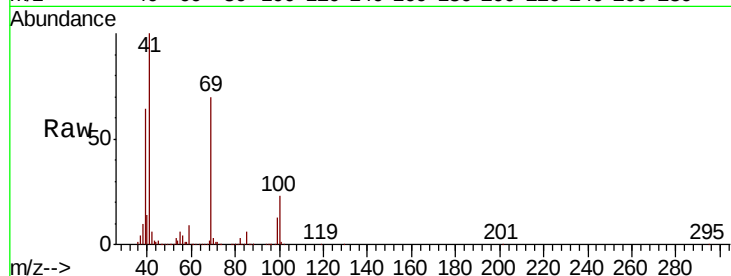




#43
Methyl Methacrylate
Concen: 10.793 ppbv
RT: 8.13 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VL033700.D
Acq: 17 May 2019 1:59

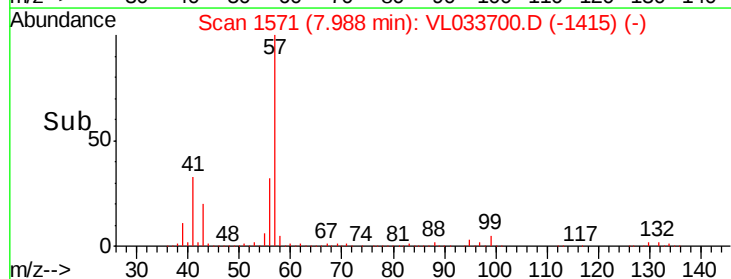
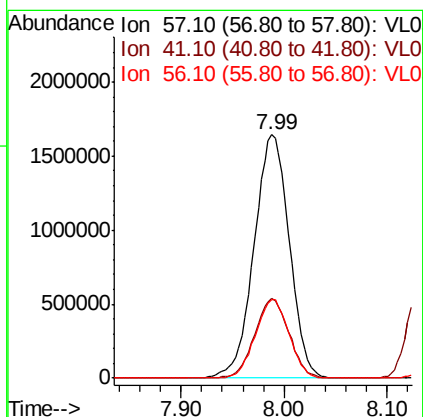
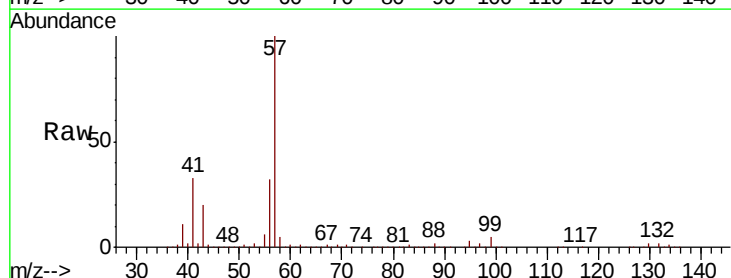
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

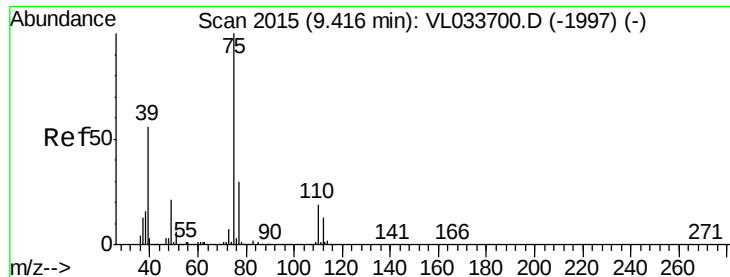
Tgt Ion: 69 Resp: 915319
Ion Ratio Lower Upper
69 100
41 145.3 116.3 174.5
100 31.6 25.3 37.9



#44
2,2,4-Trimethylpentane
Concen: 10.108 ppbv
RT: 7.99 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VL033700.D
Acq: 17 May 2019 1:59

Tgt Ion: 57 Resp: 3899977
Ion Ratio Lower Upper
57 100
41 31.8 25.4 38.0
56 30.9 24.7 37.1





#45

t-1,3-Dichloropropene

Concen: 12.234 ppbv

RT: 9.42 min Scan# 2015

Delta R.T. 0.00 min

Lab File: VL033700.D

Acq: 17 May 2019 1:59

Instrument :

MSVOA_L

ClientSampleId :

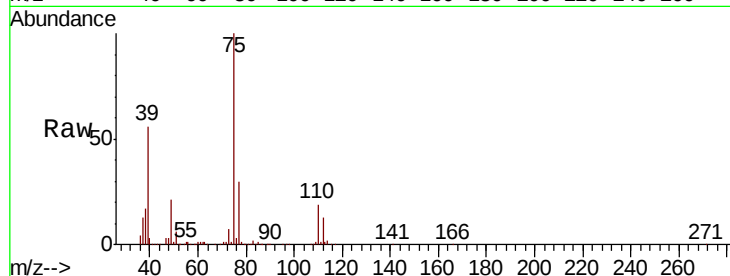
VSTDICCC010

Tgt Ion: 75 Resp: 1281681

Ion Ratio Lower Upper

75 100

77 30.5 24.4 36.6



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.42

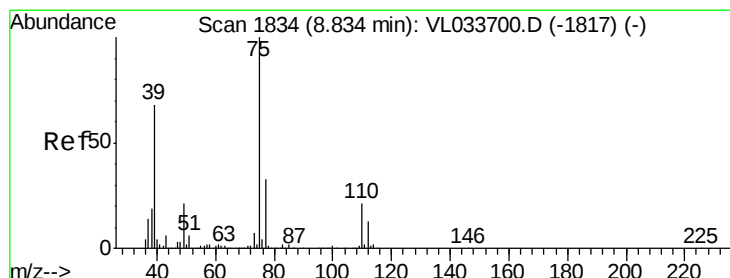
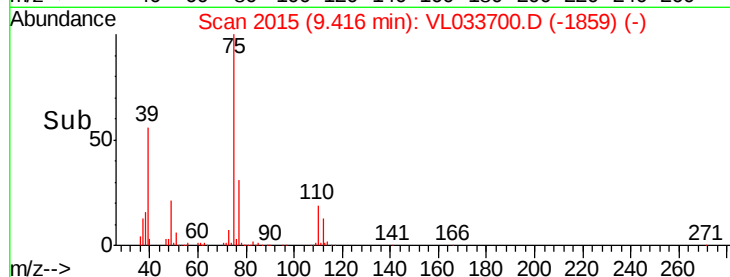
600000

400000

200000

0

Time--> 9.30 9.35 9.40 9.45 9.50



#46

cis-1,3-Dichloropropene

Concen: 11.226 ppbv

RT: 8.83 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VL033700.D

Acq: 17 May 2019 1:59

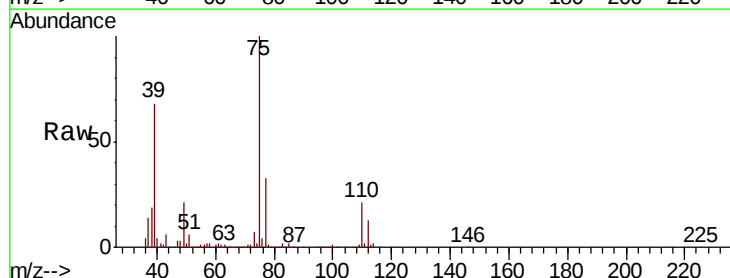
Tgt Ion: 75 Resp: 1461909

Ion Ratio Lower Upper

75 100

39 68.0 54.4 81.6

77 33.2 26.6 39.8



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

8.83

1000000

800000

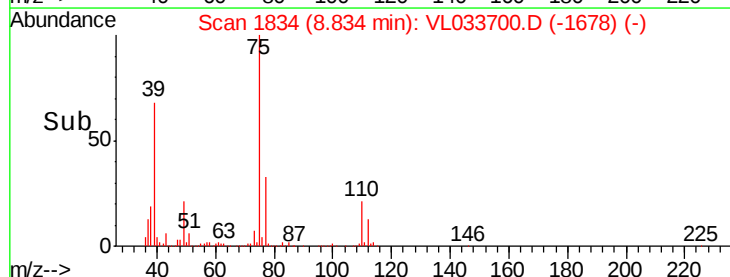
600000

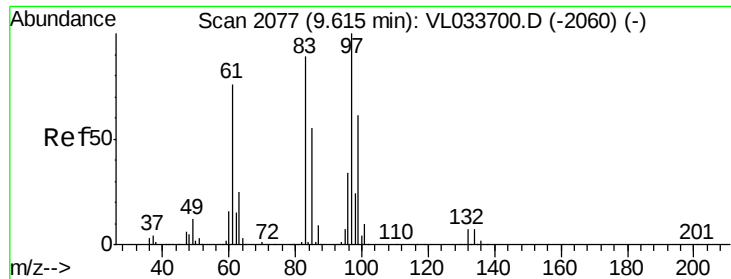
400000

200000

0

Time--> 8.75 8.80 8.85 8.90

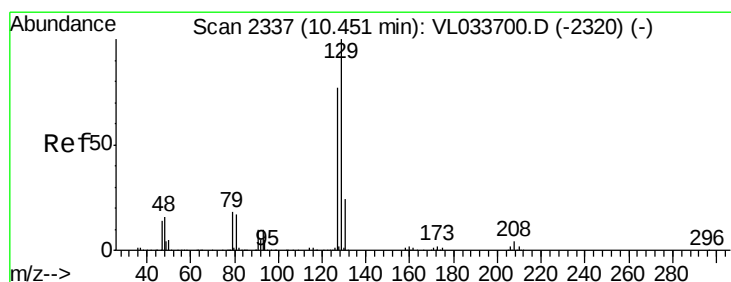
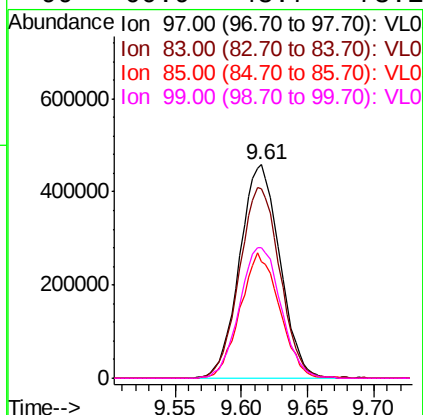
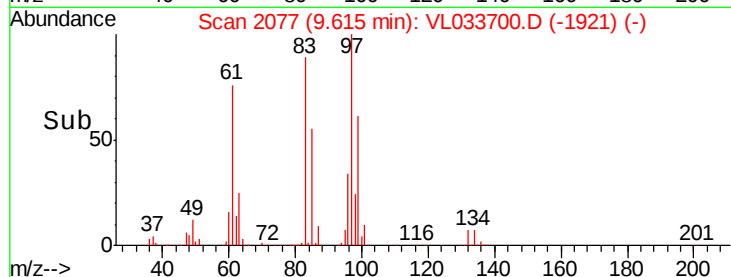
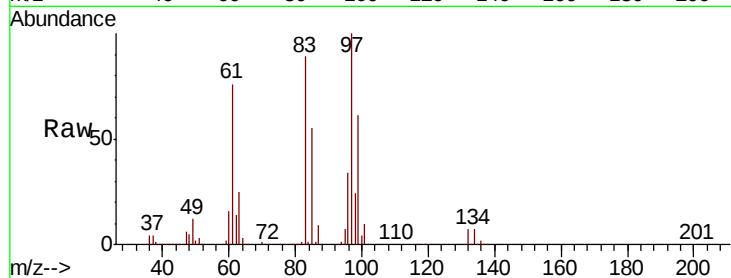




#47
 1,1,2-Trichloroethane
 Concen: 9.982 ppbv
 RT: 9.61 min Scan# 2077
 Delta R.T. 0.00 min
 Lab File: VL033700.D
 Acq: 17 May 2019 1:59

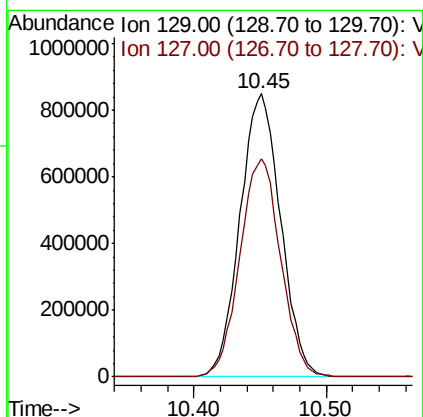
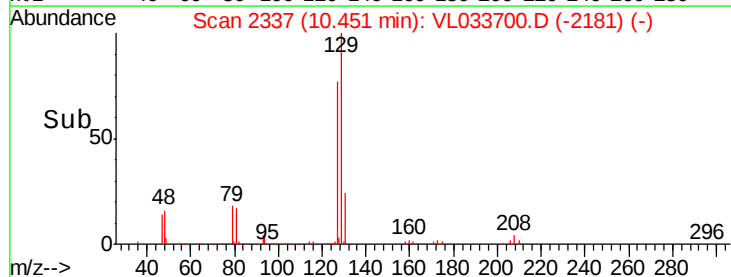
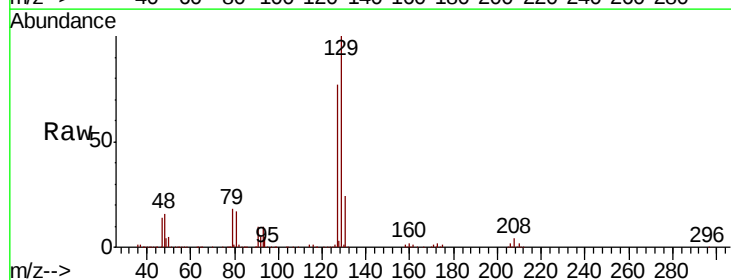
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

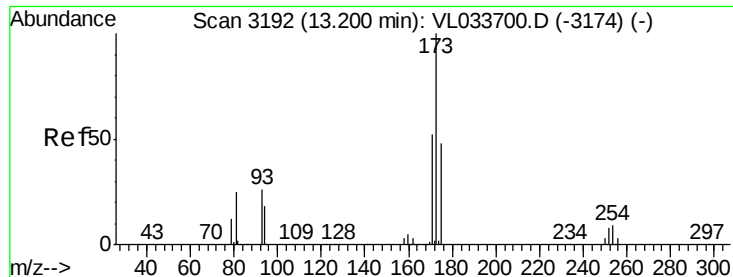
Tgt Ion: 97 Resp: 965568
 Ion Ratio Lower Upper
 97 100
 83 88.5 70.8 106.2
 85 54.6 43.7 65.5
 99 60.9 48.7 73.1



#48
 Dibromochloromethane
 Concen: 11.015 ppbv
 RT: 10.45 min Scan# 2337
 Delta R.T. 0.00 min
 Lab File: VL033700.D
 Acq: 17 May 2019 1:59

Tgt Ion: 129 Resp: 1810795
 Ion Ratio Lower Upper
 129 100
 127 77.3 38.6 116.0





#49

Bromoform

Concen: 10.770 ppbv

RT: 13.20 min Scan# 3192

Delta R.T. 0.00 min

Lab File: VL033700.D

Acq: 17 May 2019 1:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

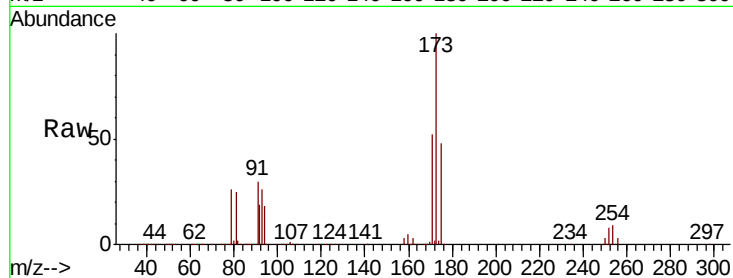
Tgt Ion:173 Resp: 1514704

Ion Ratio Lower Upper

173 100

175 48.3 38.6 58.0

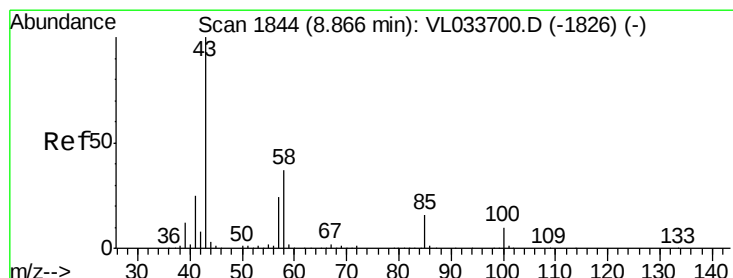
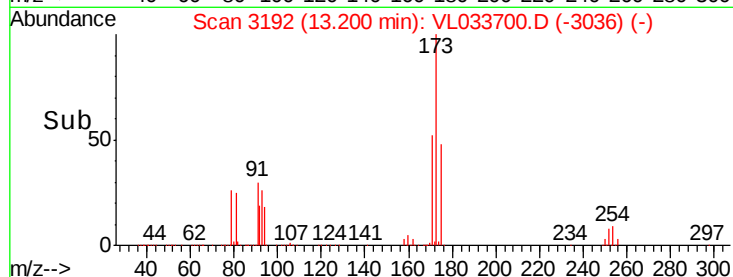
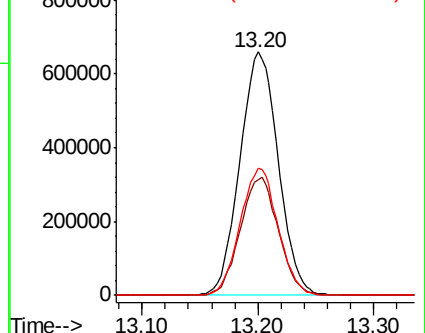
171 51.9 41.5 62.3



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: 10.434 ppbv

RT: 8.87 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VL033700.D

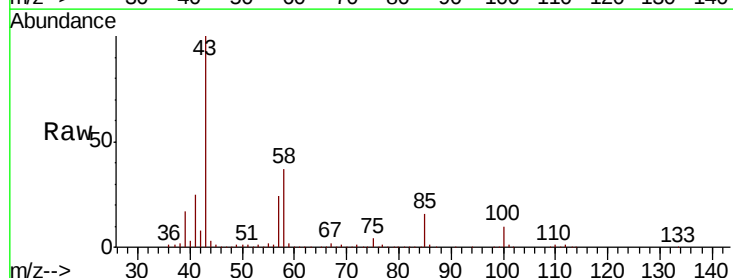
Acq: 17 May 2019 1:59

Tgt Ion: 43 Resp: 2538903

Ion Ratio Lower Upper

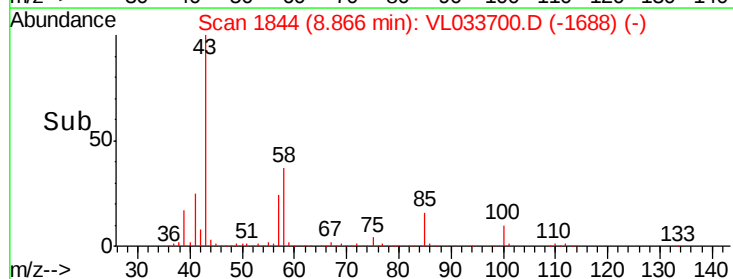
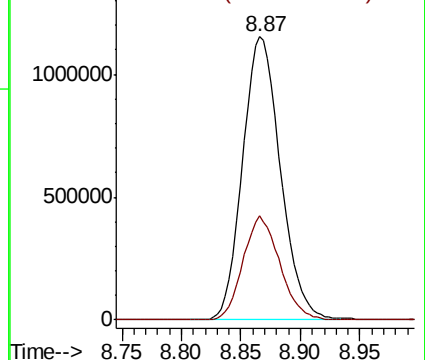
43 100

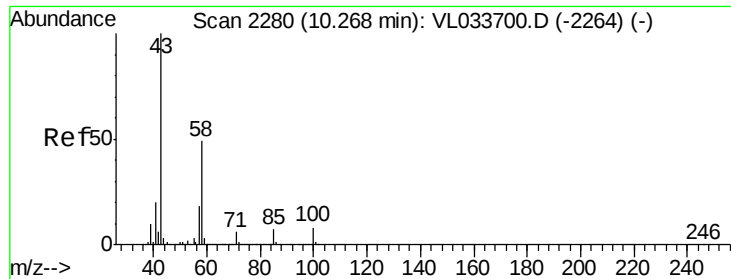
58 35.7 28.6 43.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

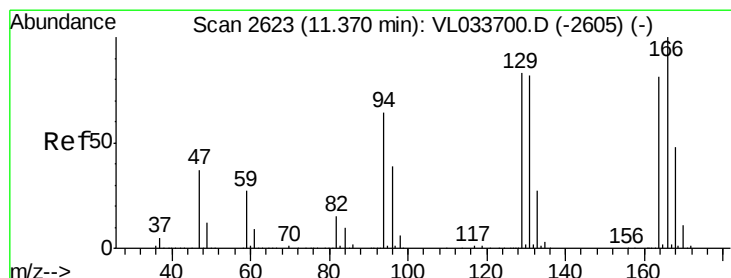
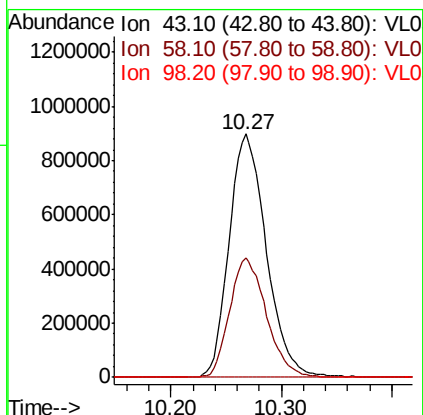
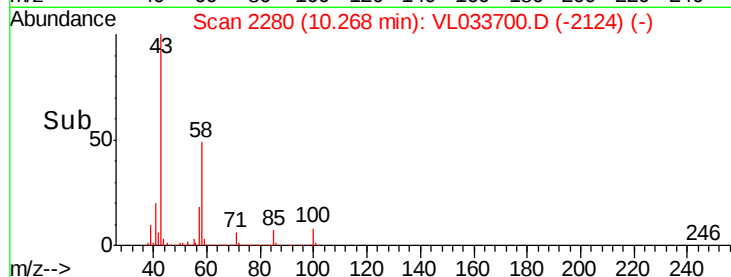
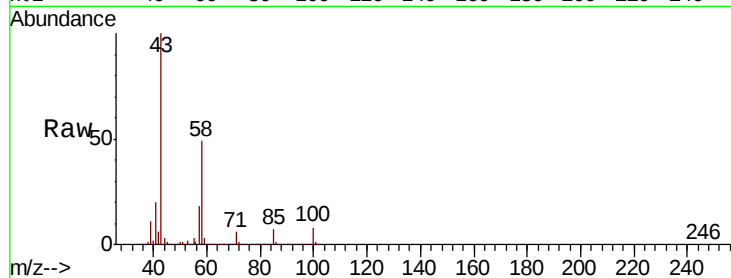




#51
2-Hexanone
Concen: 11.067 ppbv
RT: 10.27 min Scan# 2280
Delta R.T. 0.00 min
Lab File: VL033700.D
Acq: 17 May 2019 1:59

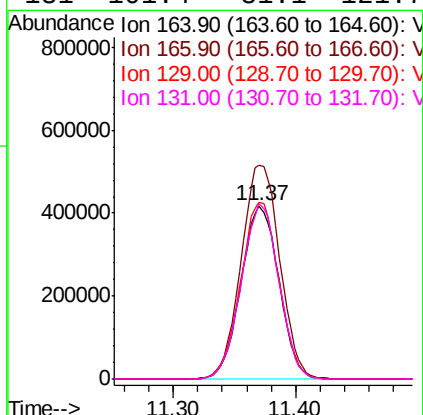
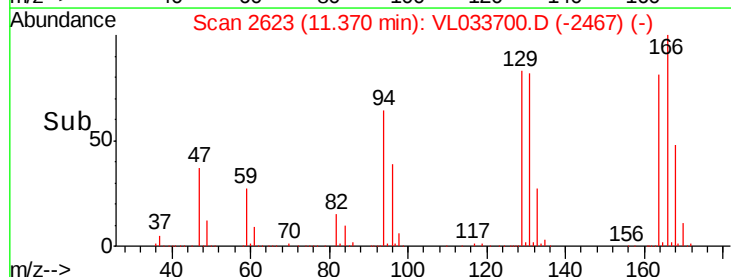
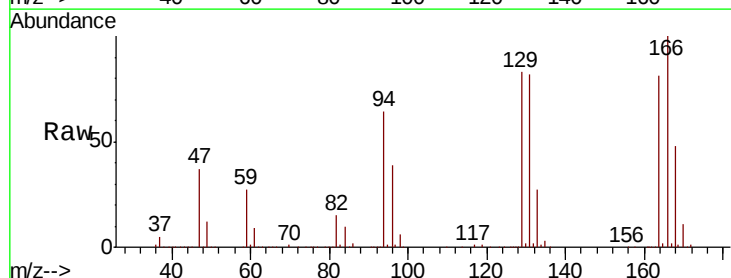
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

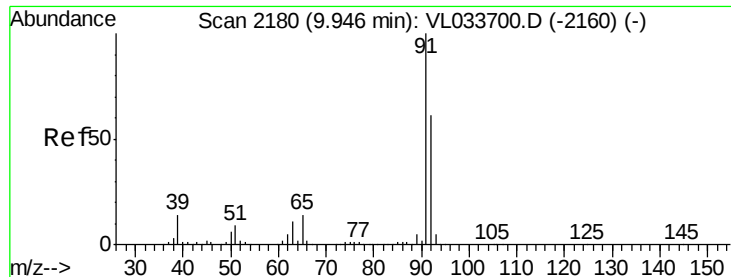
Tgt Ion: 43 Resp: 2096794
Ion Ratio Lower Upper
43 100
58 48.4 38.7 58.1
98 0.3 0.2 0.4



#52
Tetrachloroethene
Concen: 11.134 ppbv
RT: 11.37 min Scan# 2623
Delta R.T. 0.00 min
Lab File: VL033700.D
Acq: 17 May 2019 1:59

Tgt Ion: 164 Resp: 892540
Ion Ratio Lower Upper
164 100
166 123.6 98.9 148.3
129 102.2 81.8 122.6
131 101.4 81.1 121.7





#53

Toluene

Concen: 11.194 ppbv

RT: 9.95 min Scan# 2180

Delta R.T. 0.00 min

Lab File: VL033700.D

Acq: 17 May 2019 1:59

Instrument :

MSVOA_L

ClientSampleId :

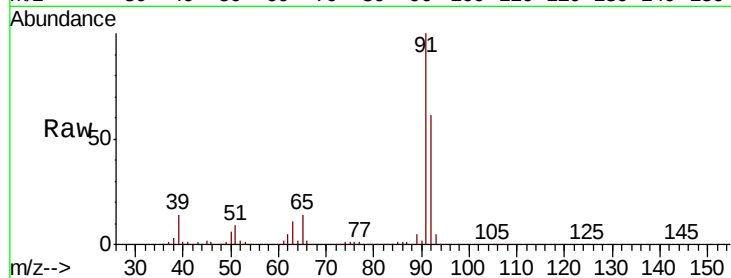
VSTDICCC010

Tgt Ion: 91 Resp: 2741546

Ion Ratio Lower Upper

91 100

92 59.5 47.6 71.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

1500000

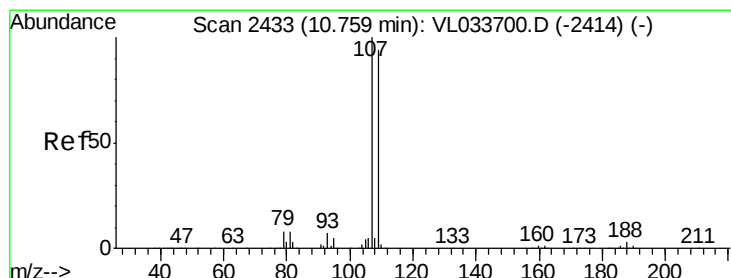
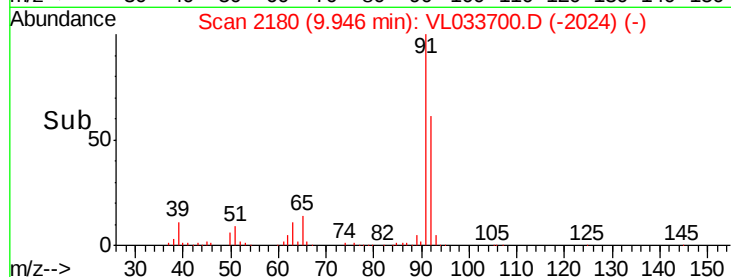
9.95

1000000

500000

0

Time-->



#54

1,2-Dibromoethane

Concen: 10.584 ppbv

RT: 10.76 min Scan# 2433

Delta R.T. 0.00 min

Lab File: VL033700.D

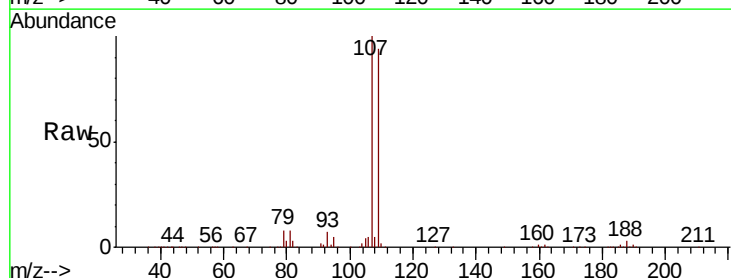
Acq: 17 May 2019 1:59

Tgt Ion: 107 Resp: 1546099

Ion Ratio Lower Upper

107 100

109 94.0 75.2 112.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

800000

10.76

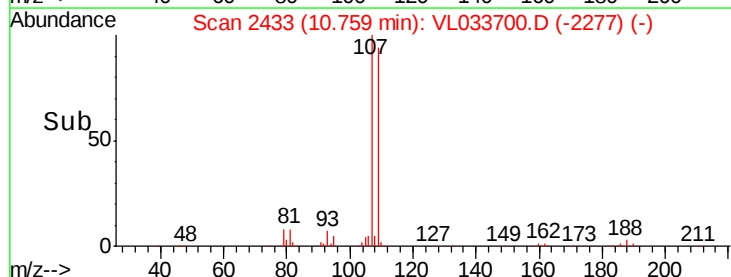
600000

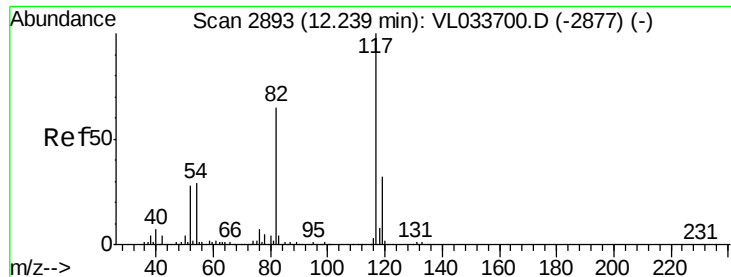
400000

200000

0

Time-->

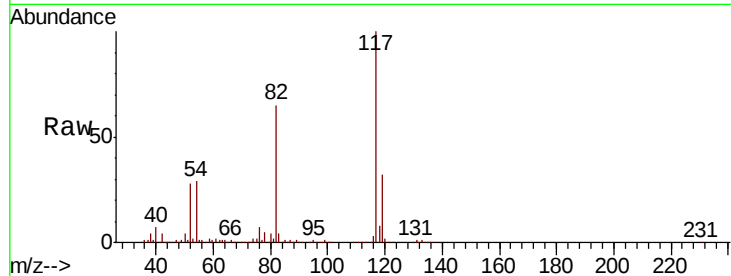




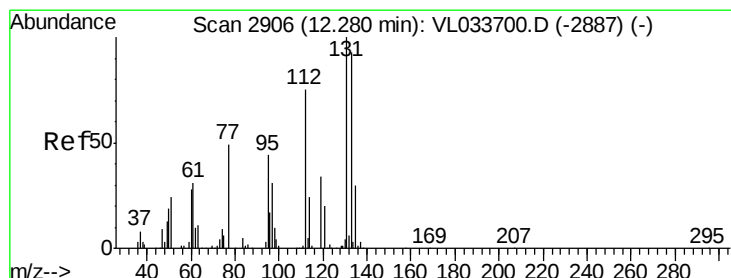
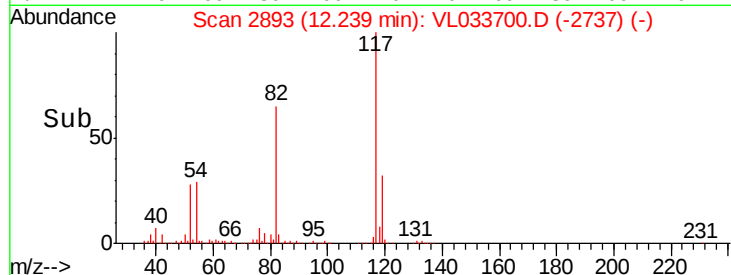
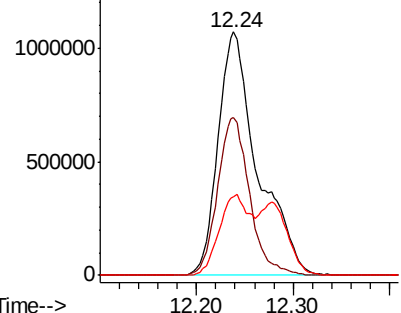
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. 0.00 min
Lab File: VL033700.D
Acq: 17 May 2019 1:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:117 Resp: 3048456
Ion Ratio Lower Upper
117 100
82 52.5 49.4 74.0
119 26.4 24.9 37.3

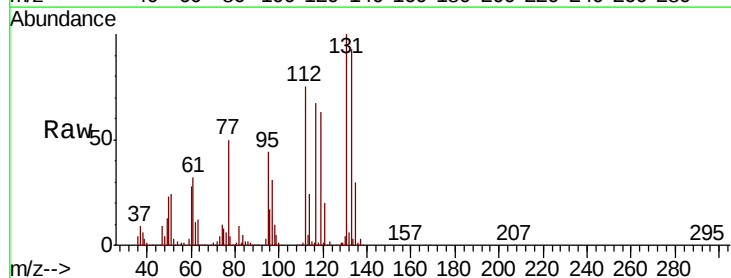


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

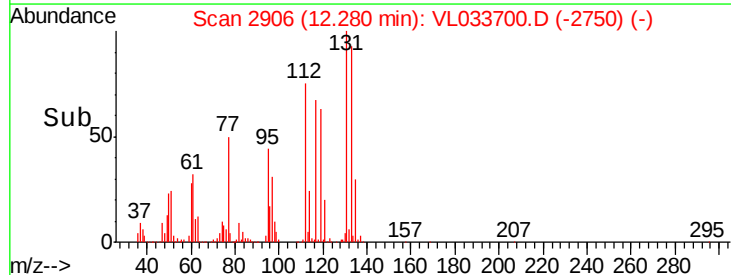
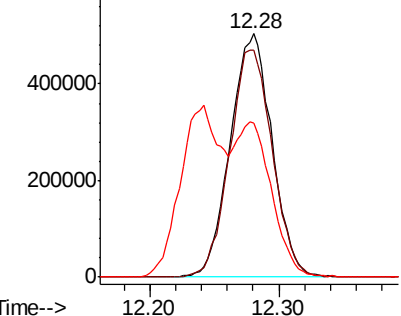


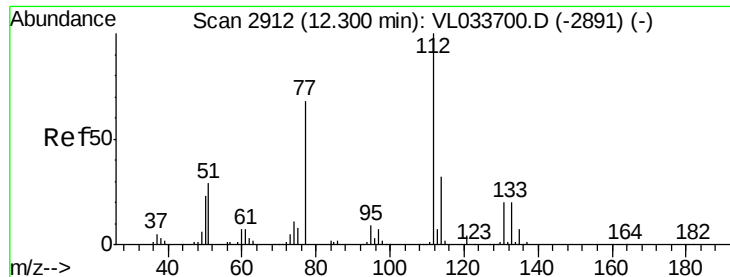
#56
1,1,1,2-Tetrachloroethane
Concen: 8.001 ppbv
RT: 12.28 min Scan# 2906
Delta R.T. 0.00 min
Lab File: VL033700.D
Acq: 17 May 2019 1:59

Tgt Ion:131 Resp: 1134286
Ion Ratio Lower Upper
131 100
133 95.9 76.6 114.8
119 52.3 49.0 73.4



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V

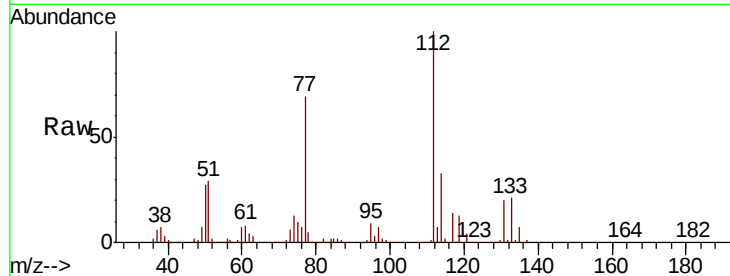




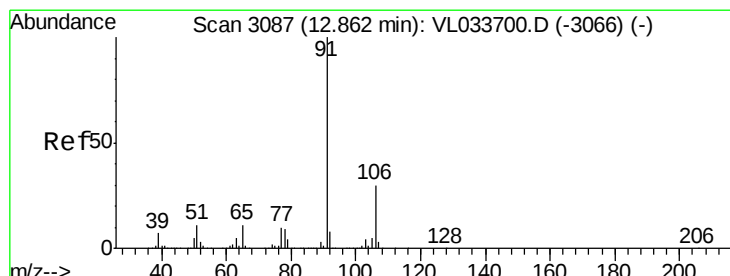
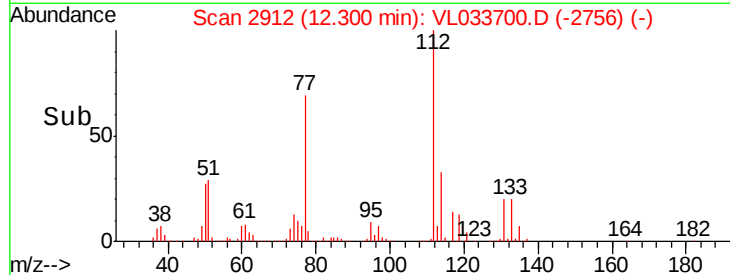
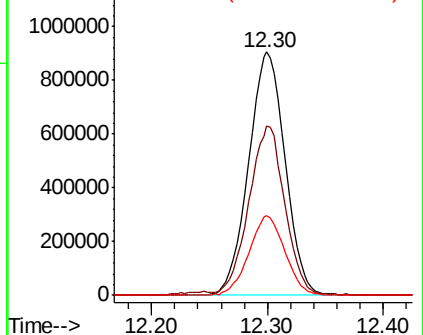
#57
Chlorobenzene
Concen: 7.849 ppbv
RT: 12.30 min Scan# 2912
Delta R.T. 0.00 min
Lab File: VL033700.D
Acq: 17 May 2019 1:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:112 Resp: 1983907
Ion Ratio Lower Upper
112 100
77 69.2 55.4 83.0
114 32.5 29.3 35.8

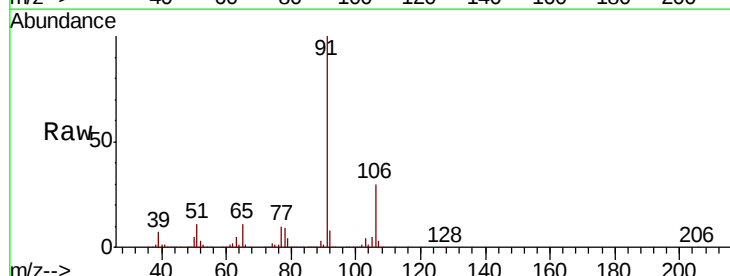


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

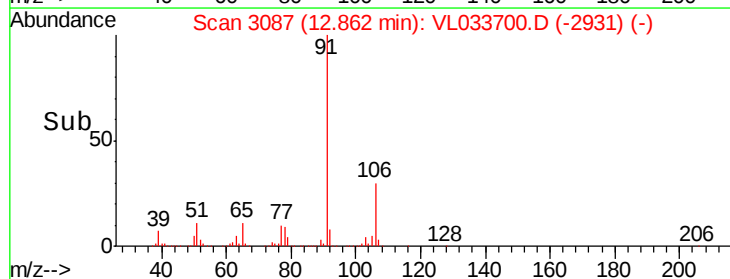
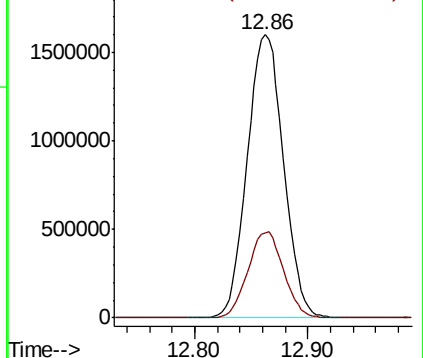


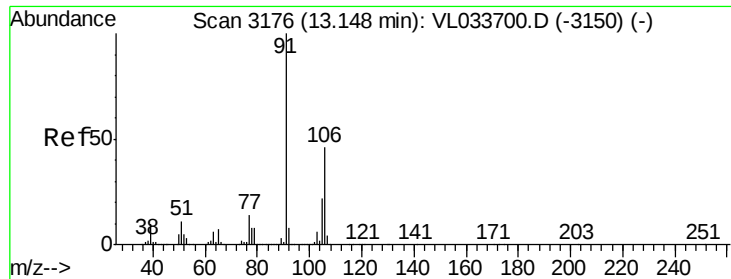
#58
Ethyl Benzene
Concen: 8.891 ppbv
RT: 12.86 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VL033700.D
Acq: 17 May 2019 1:59

Tgt Ion: 91 Resp: 3569532
Ion Ratio Lower Upper
91 100
106 29.9 23.9 35.9



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

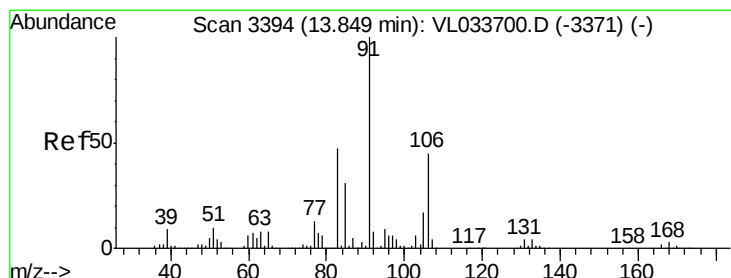
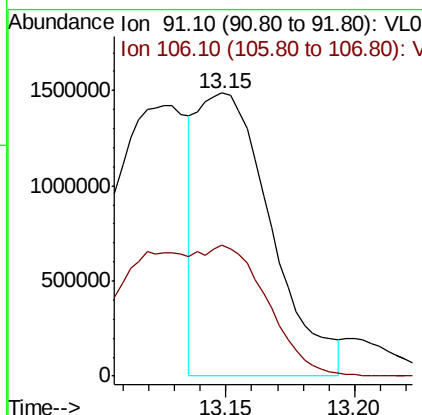
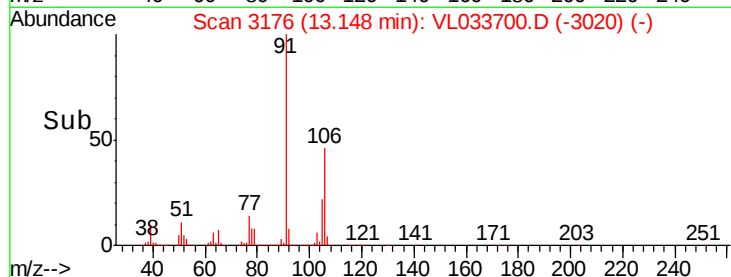
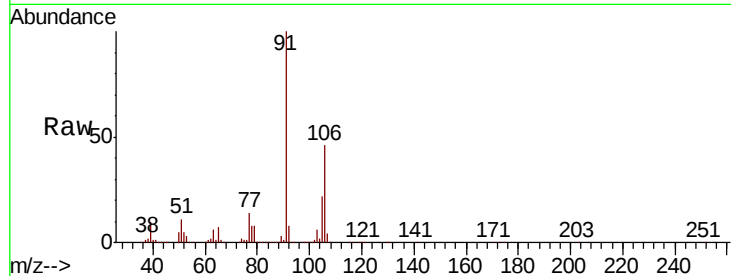




#59
m/p-Xylene
Concen: 8.315 ppbv
RT: 13.15 min Scan# 3176
Delta R.T. 0.00 min
Lab File: VL033700.D
Acq: 17 May 2019 1:59

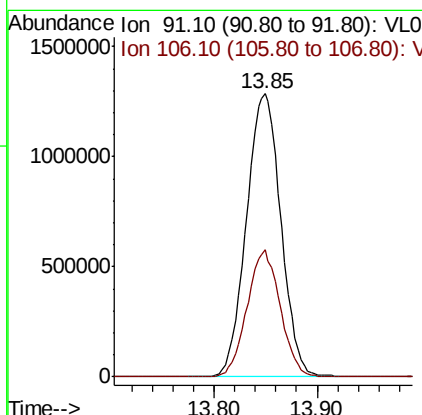
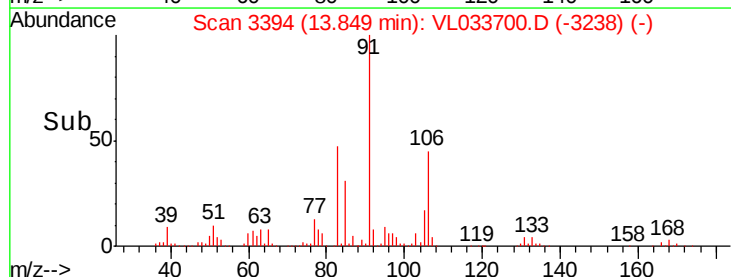
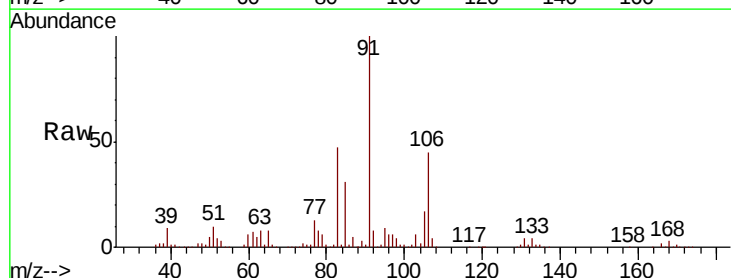
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

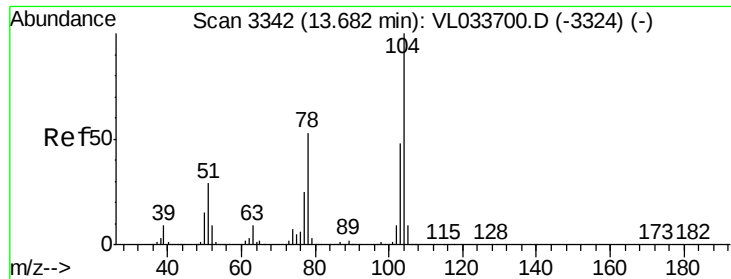
Tgt Ion: 91 Resp: 2941358
Ion Ratio Lower Upper
91 100
106 90.6 35.8 53.6#



#60
o-Xylene
Concen: 8.347 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. 0.00 min
Lab File: VL033700.D
Acq: 17 May 2019 1:59

Tgt Ion: 91 Resp: 2979946
Ion Ratio Lower Upper
91 100
106 43.3 21.6 64.8





#61

Styrene

Concen: 9.385 ppbv

RT: 13.68 min Scan# 3342

Delta R.T. 0.00 min

Lab File: VL033700.D

Acq: 17 May 2019 1:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

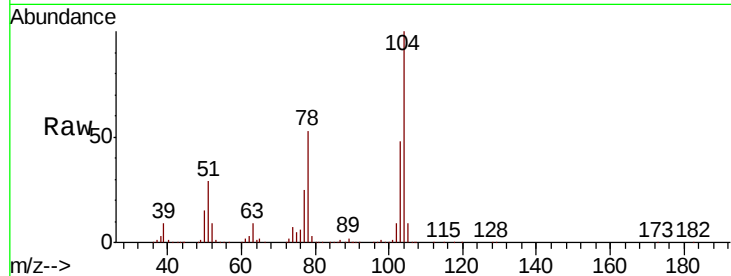
Tgt Ion:104 Resp: 2236579

Ion Ratio Lower Upper

104 100

78 53.4 42.6 64.0

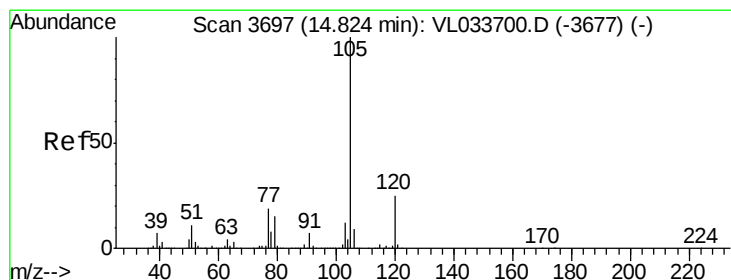
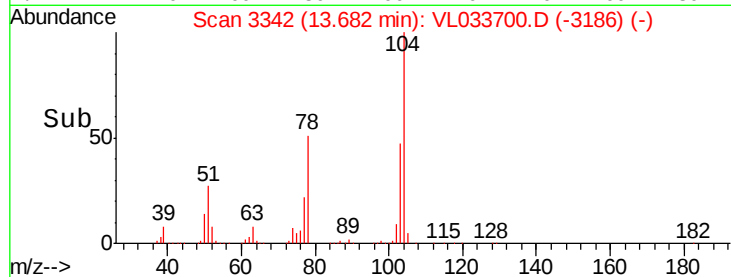
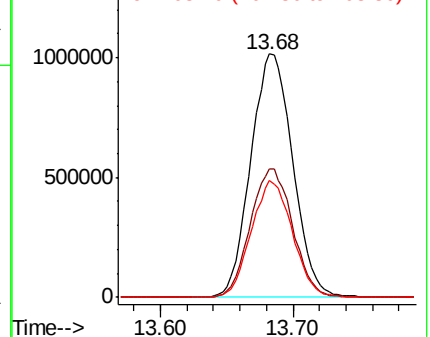
103 47.2 37.8 56.6



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: 8.200 ppbv

RT: 14.82 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VL033700.D

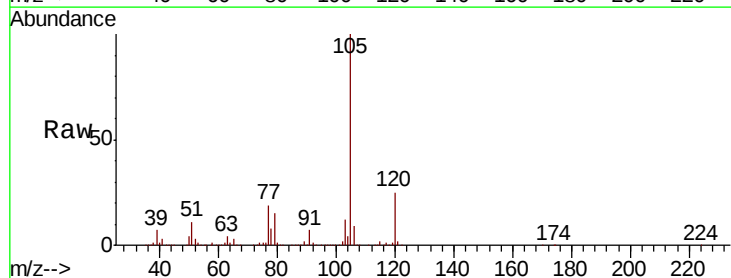
Acq: 17 May 2019 1:59

Tgt Ion:105 Resp: 4005063

Ion Ratio Lower Upper

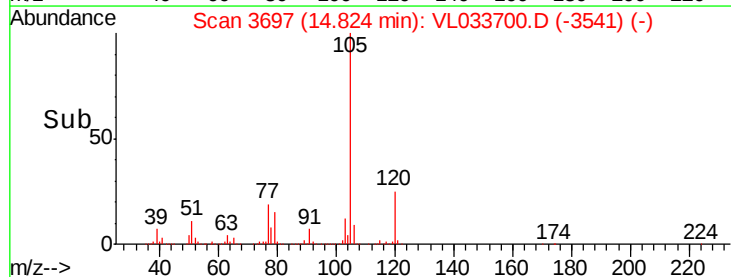
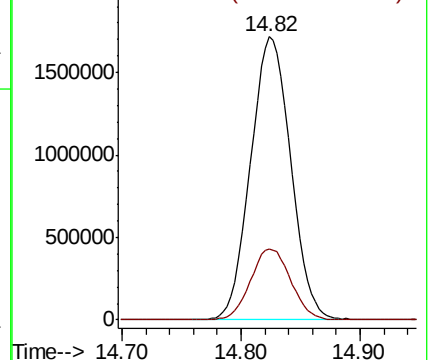
105 100

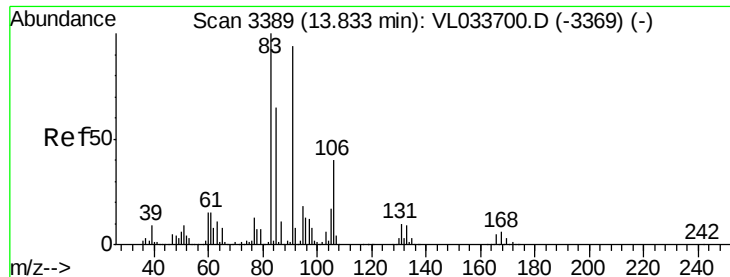
120 25.2 20.1 30.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

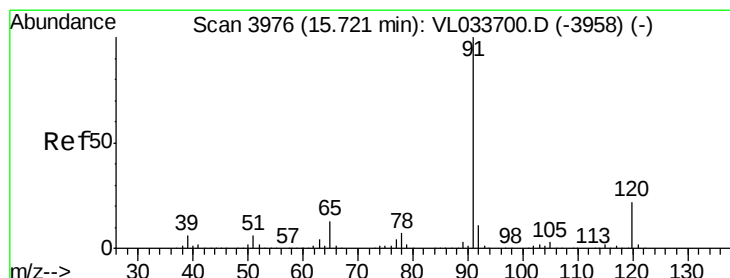
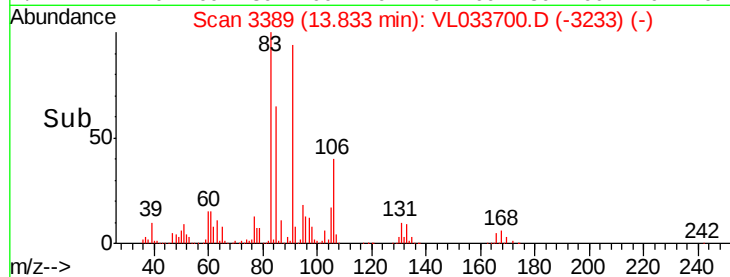
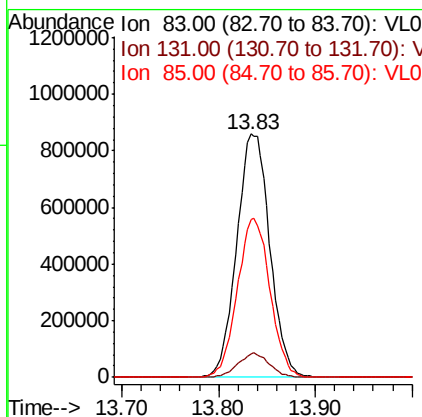
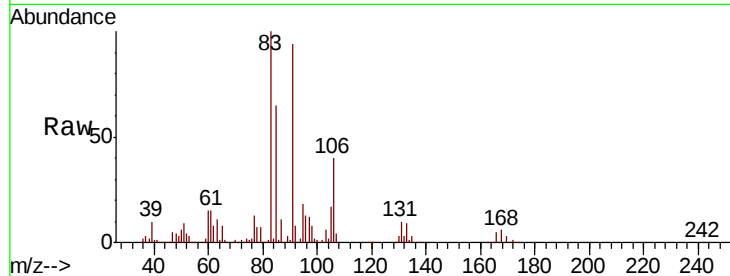




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.885 ppbv
 RT: 13.83 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VL033700.D
 Acq: 17 May 2019 1:59

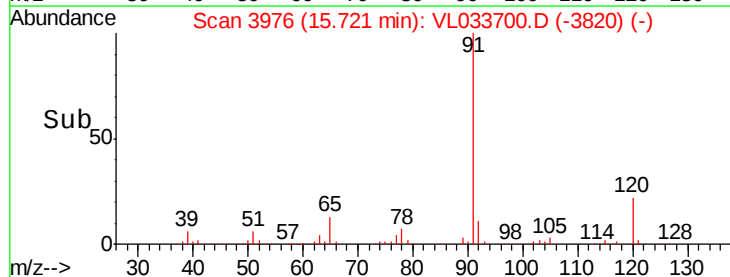
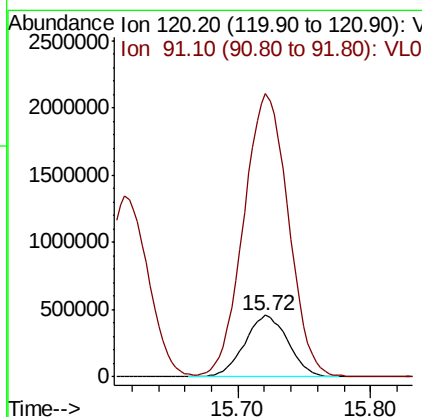
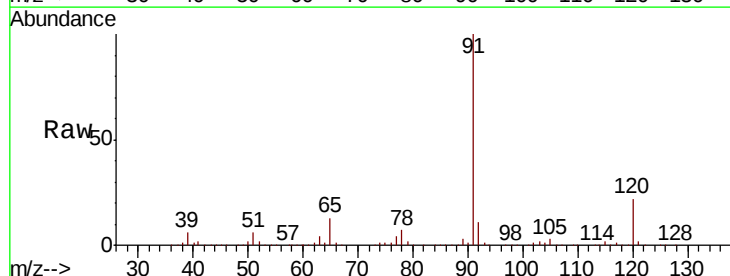
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

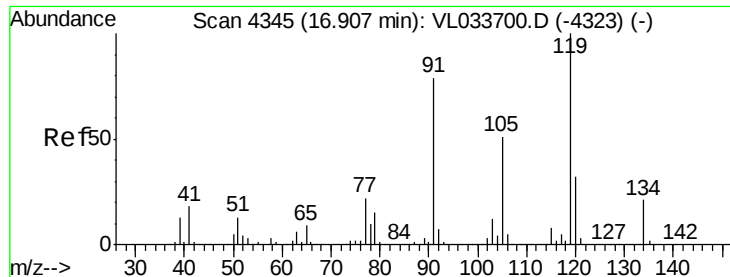
Tgt Ion: 83 Resp: 2042256
 Ion Ratio Lower Upper
 83 100
 131 9.5 4.8 14.3
 85 64.5 32.3 96.9



#64
 n-propylbenzene
 Concen: 8.286 ppbv
 RT: 15.72 min Scan# 3976
 Delta R.T. 0.00 min
 Lab File: VL033700.D
 Acq: 17 May 2019 1:59

Tgt Ion: 120 Resp: 1043780
 Ion Ratio Lower Upper
 120 100
 91 473.5 379.1 568.7

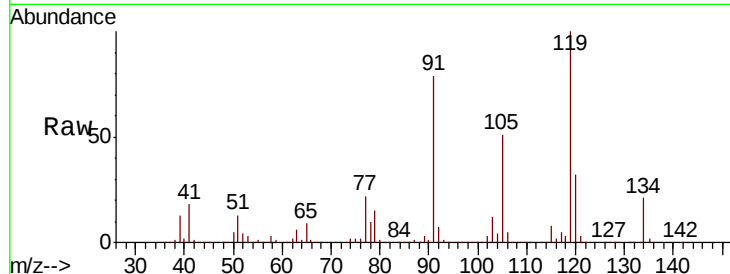




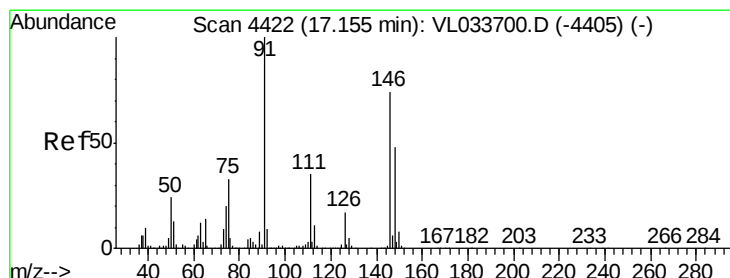
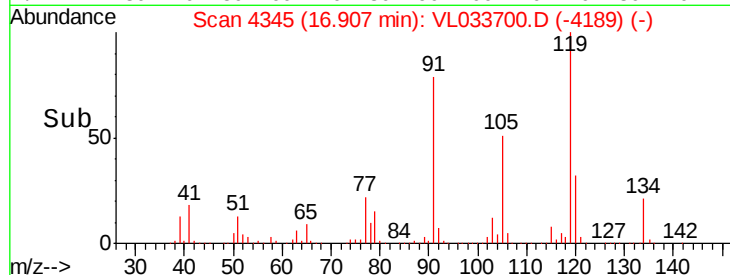
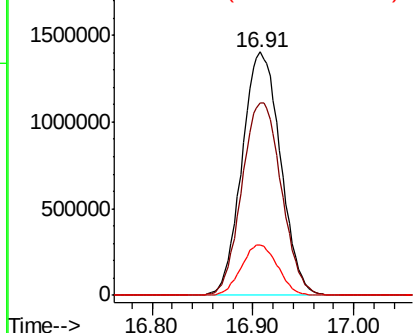
#65
 tert-Butylbenzene
 Concen: 8.268 ppbv
 RT: 16.91 min Scan# 4345
 Delta R.T. 0.00 min
 Lab File: VL033700.D
 Acq: 17 May 2019 1:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 119 Resp: 3703037
 Ion Ratio Lower Upper
 119 100
 91 81.6 65.3 97.9
 134 19.6 15.7 23.5

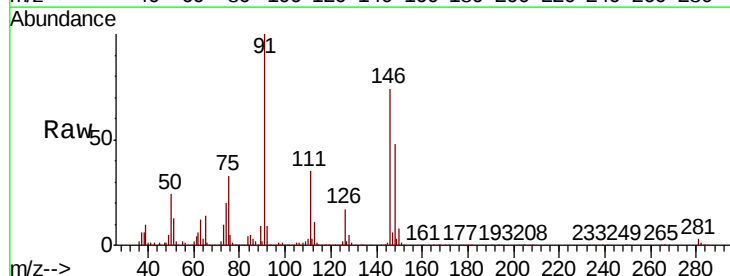


Abundance Ion 119.20 (118.90 to 119.90): V
 Ion 91.10 (90.80 to 91.80): VL0
 Ion 134.20 (133.90 to 134.90): V

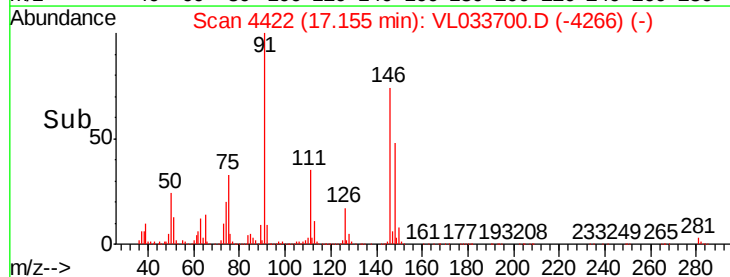
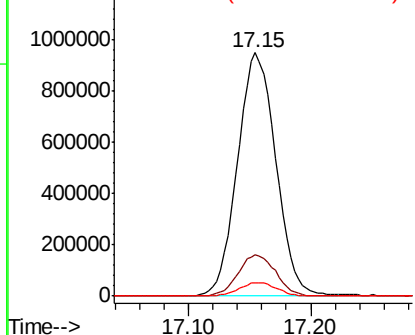


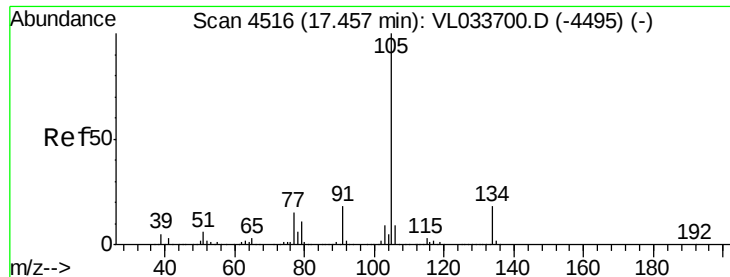
#66
 Benzyl Chloride
 Concen: 10.062 ppbv
 RT: 17.15 min Scan# 4422
 Delta R.T. 0.00 min
 Lab File: VL033700.D
 Acq: 17 May 2019 1:59

Tgt Ion: 91 Resp: 2062995
 Ion Ratio Lower Upper
 91 100
 126 16.8 13.5 20.3
 128 5.5 4.3 6.5



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 126.10 (125.80 to 126.80): V
 Ion 128.10 (127.80 to 128.80): V

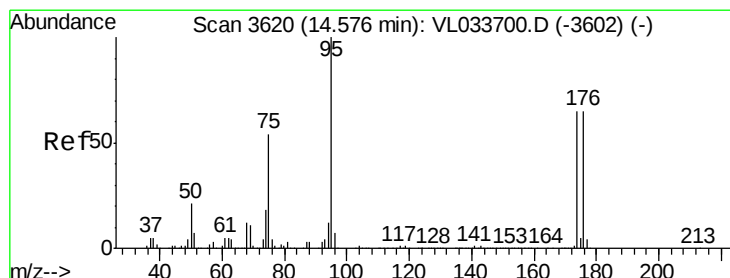
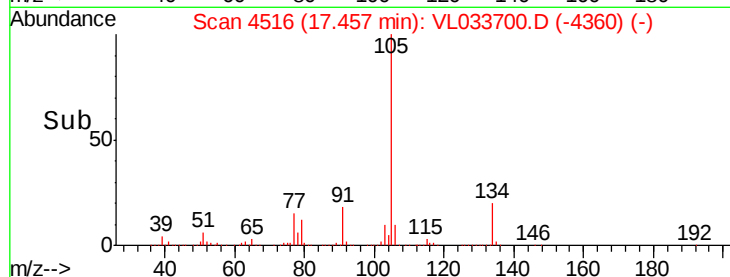
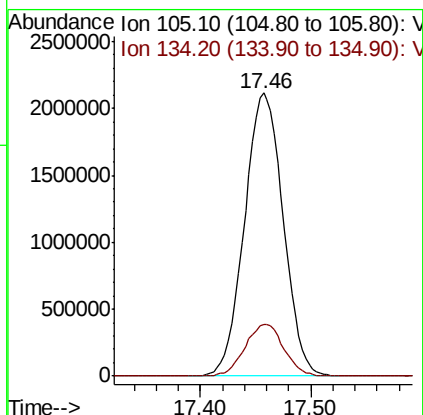
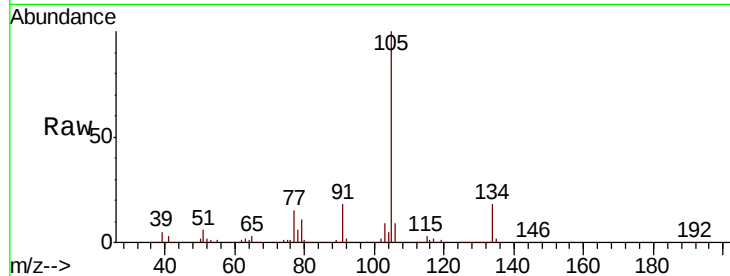




#67
 sec-Butylbenzene
 Concen: 8.245 ppbv
 RT: 17.46 min Scan# 4516
 Delta R.T. 0.00 min
 Lab File: VL033700.D
 Acq: 17 May 2019 1:59

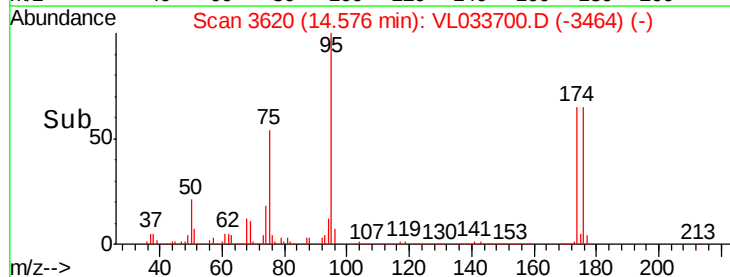
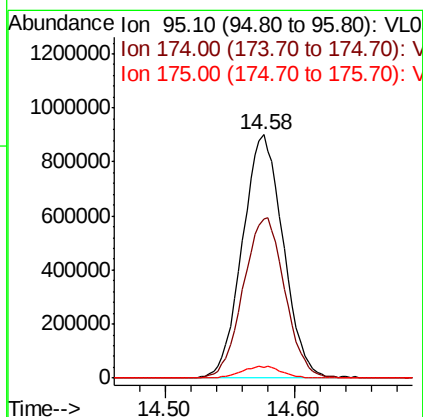
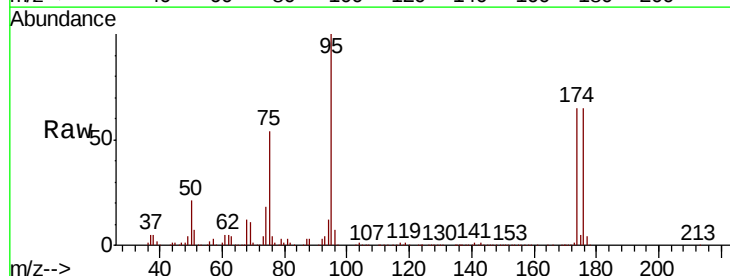
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

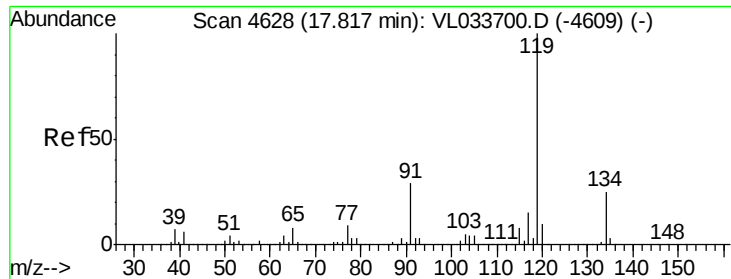
Tgt Ion: 105 Resp: 5140743
 Ion Ratio Lower Upper
 105 100
 134 18.3 14.6 22.0



#68
 1-Bromo-4-Fluorobenzene
 Concen: 7.938 ppbv
 RT: 14.58 min Scan# 3620
 Delta R.T. 0.00 min
 Lab File: VL033700.D
 Acq: 17 May 2019 1:59

Tgt Ion: 95 Resp: 1983802
 Ion Ratio Lower Upper
 95 100
 174 67.2 53.9 80.9
 175 4.8 3.8 5.8

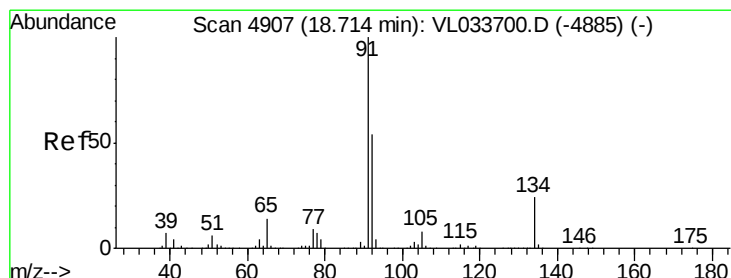
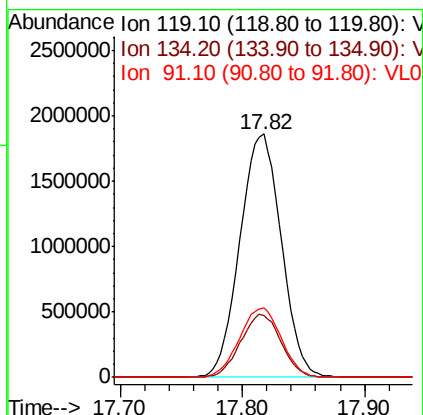
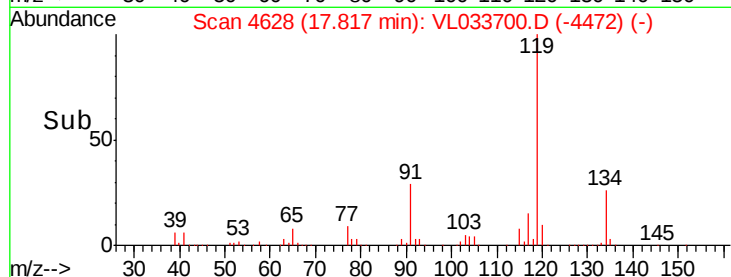
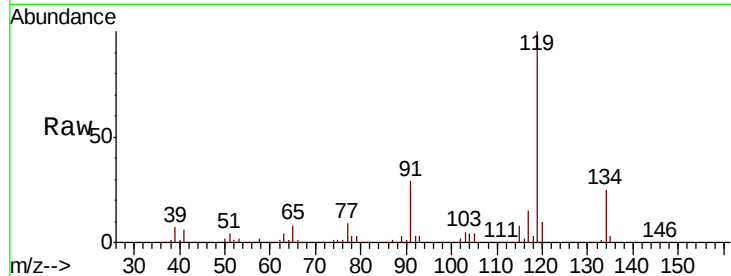




#69
p-Isopropyltoluene
Concen: 8.493 ppbv
RT: 17.82 min Scan# 4628
Delta R.T. 0.00 min
Lab File: VL033700.D
Acq: 17 May 2019 1:59

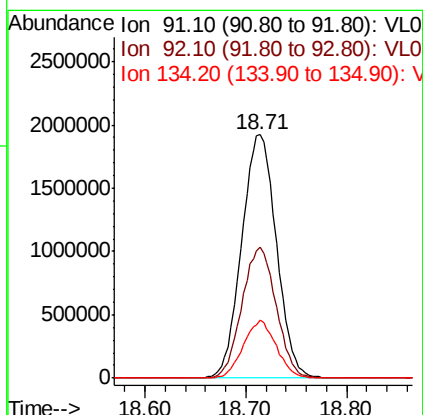
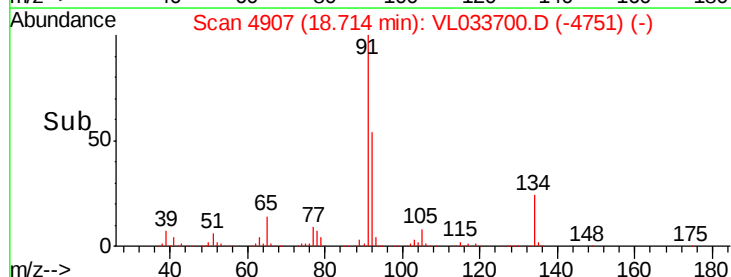
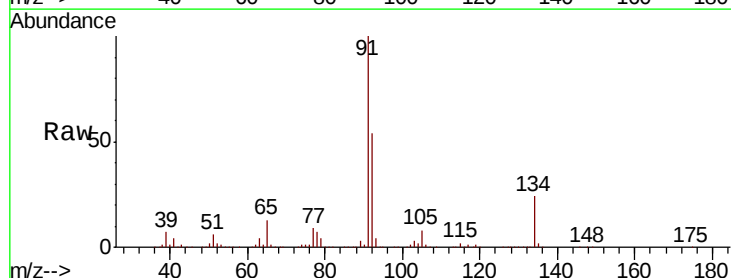
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

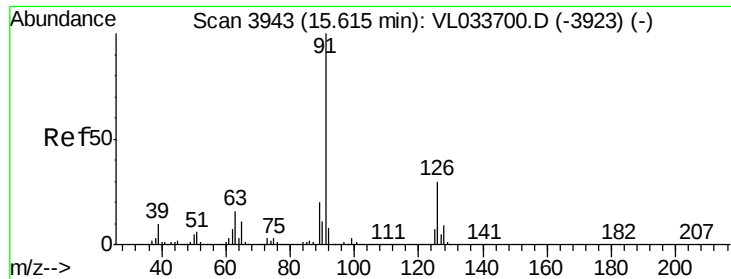
Tgt Ion: 119 Resp: 4367924
Ion Ratio Lower Upper
119 100
134 25.4 20.3 30.5
91 29.1 23.1 34.7



#70
n-Butylbenzene
Concen: 8.423 ppbv
RT: 18.71 min Scan# 4907
Delta R.T. 0.00 min
Lab File: VL033700.D
Acq: 17 May 2019 1:59

Tgt Ion: 91 Resp: 4577977
Ion Ratio Lower Upper
91 100
92 53.2 42.6 63.8
134 22.6 18.1 27.1





#71

2-Chlorotoluene

Concen: 8.459 ppbv

RT: 15.61 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VL033700.D

Acq: 17 May 2019 1:59

Instrument :

MSVOA_L

ClientSampleId :

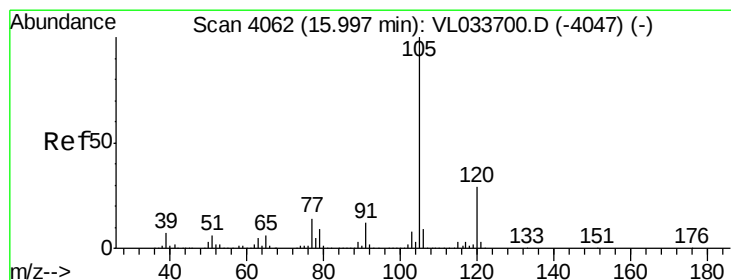
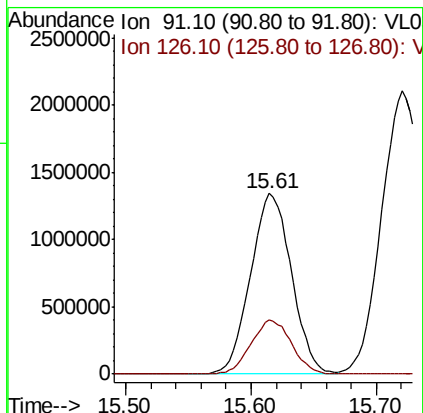
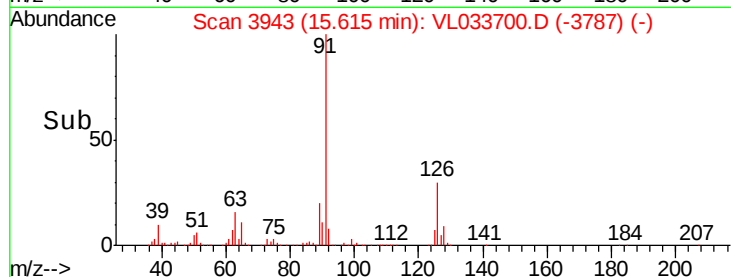
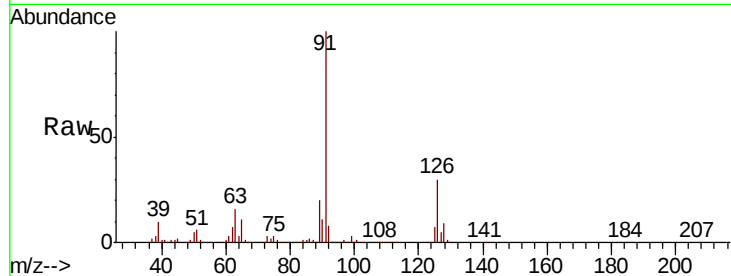
VSTDICCC010

Tgt Ion: 91 Resp: 3049177

Ion Ratio Lower Upper

91 100

126 29.9 12.0 47.8



#72

4-Ethyltoluene

Concen: 8.473 ppbv

RT: 16.00 min Scan# 4062

Delta R.T. 0.00 min

Lab File: VL033700.D

Acq: 17 May 2019 1:59

Tgt Ion: 105 Resp: 3551992

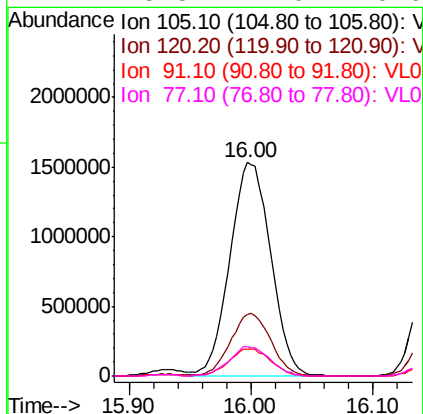
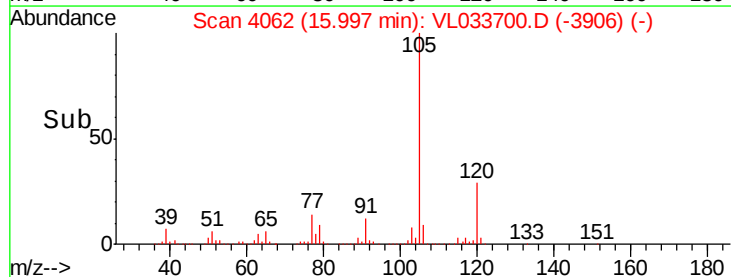
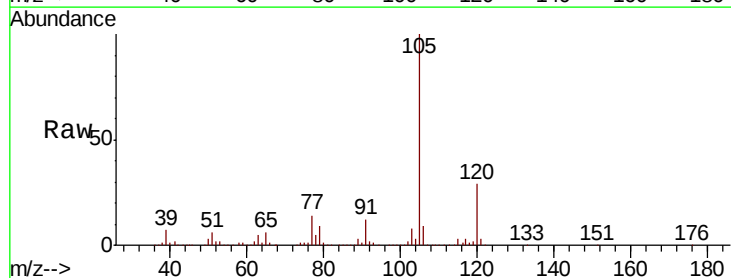
Ion Ratio Lower Upper

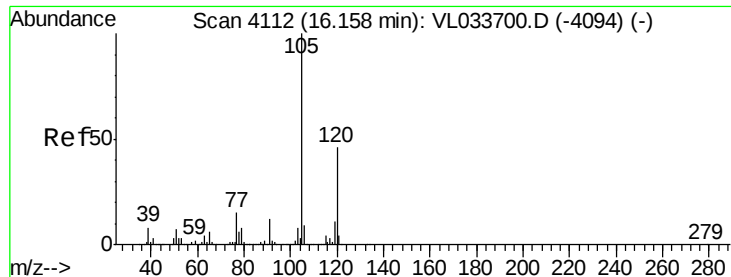
105 100

120 28.9 23.1 34.7

91 13.0 10.4 15.6

77 13.8 11.0 16.6





#73

1,3,5-Trimethylbenzene

Concen: 8.283 ppbv

RT: 16.16 min Scan# 4112

Delta R.T. 0.00 min

Lab File: VL033700.D

Acq: 17 May 2019 1:59

Instrument :

MSVOA_L

ClientSampleId :

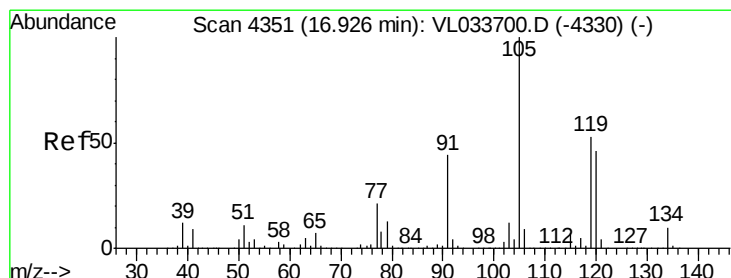
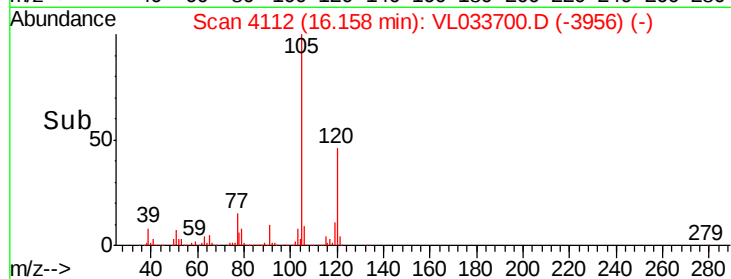
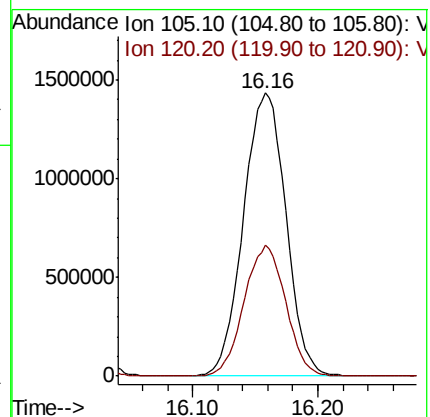
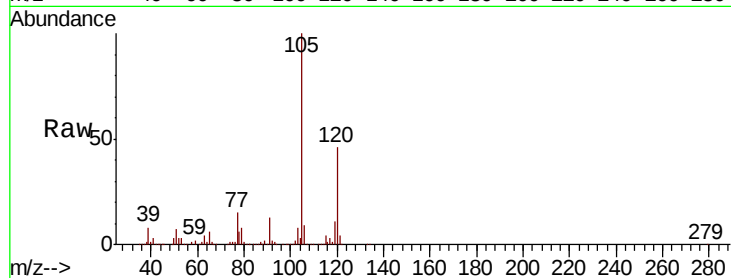
VSTDICCC010

Tgt Ion:105 Resp: 3352990

Ion Ratio Lower Upper

105 100

120 46.2 37.0 55.4



#74

1,2,4-Trimethylbenzene

Concen: 7.915 ppbv

RT: 16.93 min Scan# 4351

Delta R.T. 0.00 min

Lab File: VL033700.D

Acq: 17 May 2019 1:59

Tgt Ion:105 Resp: 3571952

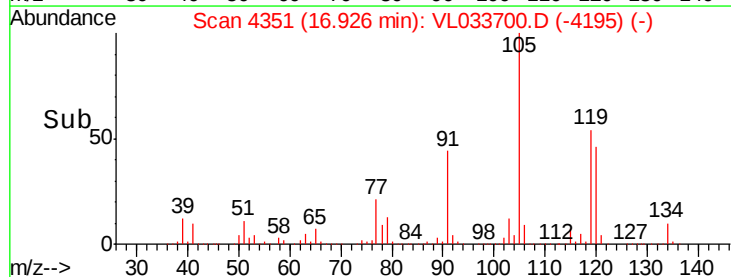
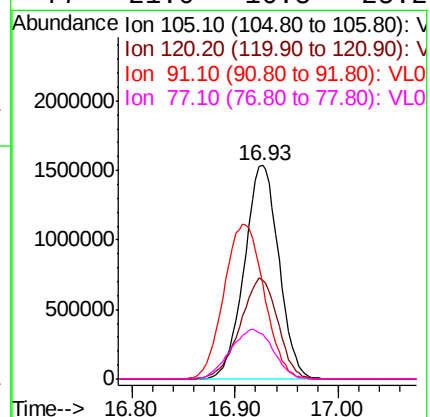
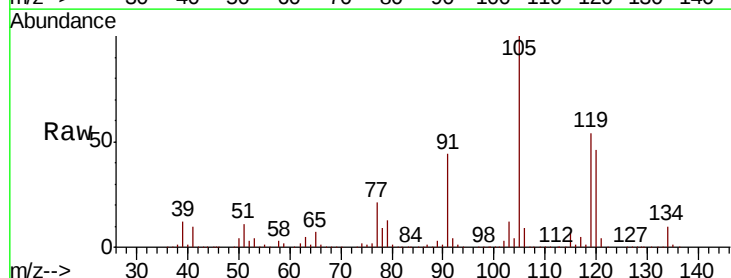
Ion Ratio Lower Upper

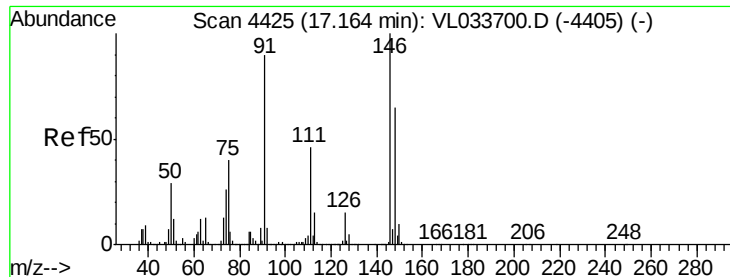
105 100

120 46.0 36.8 55.2

91 44.2 35.4 53.0

77 21.0 16.8 25.2





#75

1,3-Dichlorobenzene

Concen: 7.667 ppbv

RT: 17.16 min Scan# 4425

Delta R.T. 0.00 min

Lab File: VL033700.D

Acq: 17 May 2019 1:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

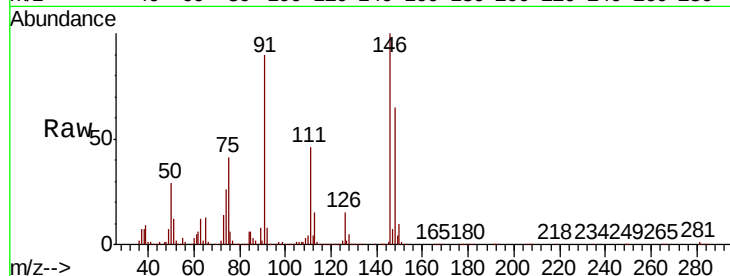
Tgt Ion:146 Resp: 2082590

Ion Ratio Lower Upper

146 100

111 45.9 22.9 68.8

148 64.1 32.0 96.2

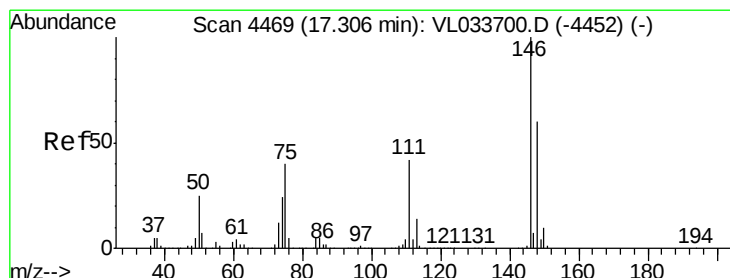
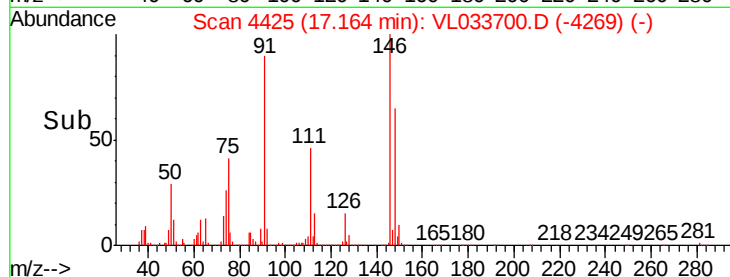
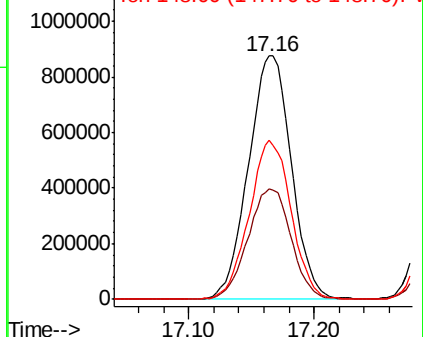


Abundance

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



#76

1,4-Dichlorobenzene

Concen: 8.050 ppbv

RT: 17.31 min Scan# 4469

Delta R.T. 0.00 min

Lab File: VL033700.D

Acq: 17 May 2019 1:59

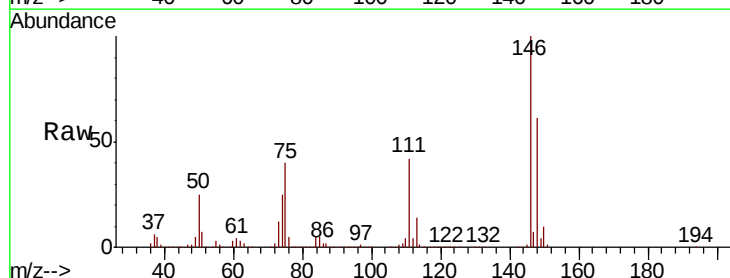
Tgt Ion:146 Resp: 2075174

Ion Ratio Lower Upper

146 100

111 43.9 21.9 65.8

148 64.2 32.1 96.3

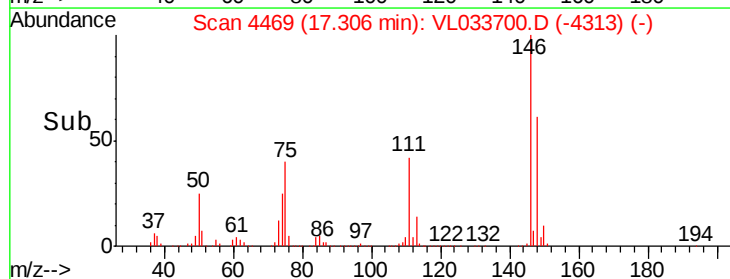
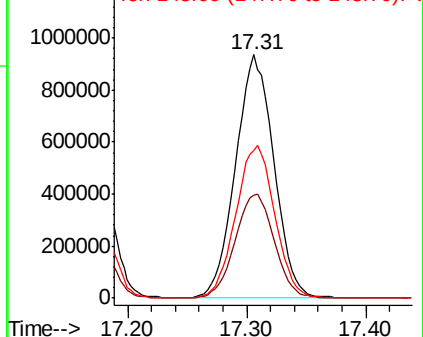


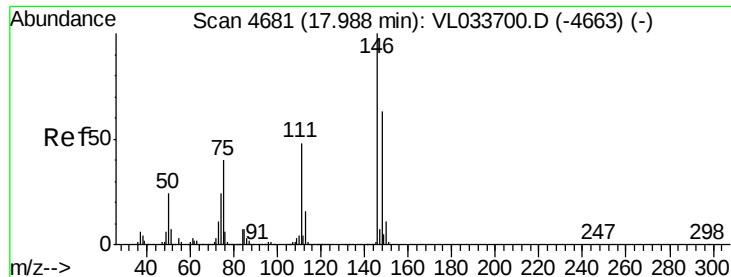
Abundance

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

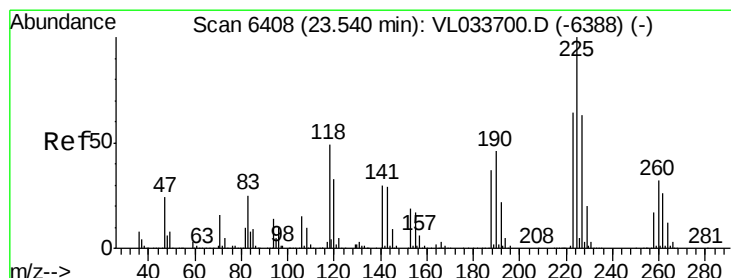
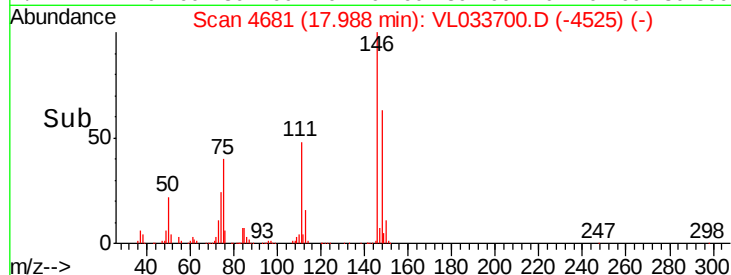
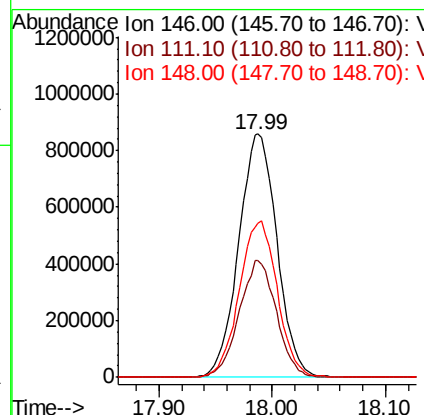
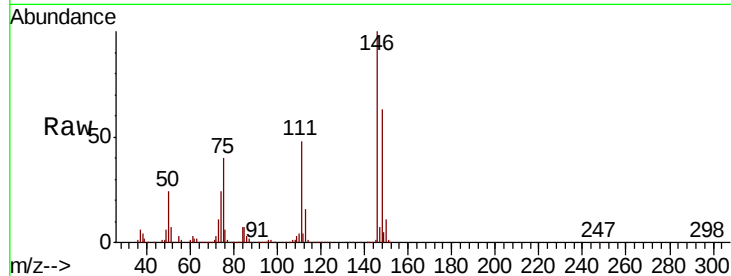




#77
 1,2-Dichlorobenzene
 Concen: 7.979 ppbv
 RT: 17.99 min Scan# 4681
 Delta R.T. 0.00 min
 Lab File: VL033700.D
 Acq: 17 May 2019 1:59

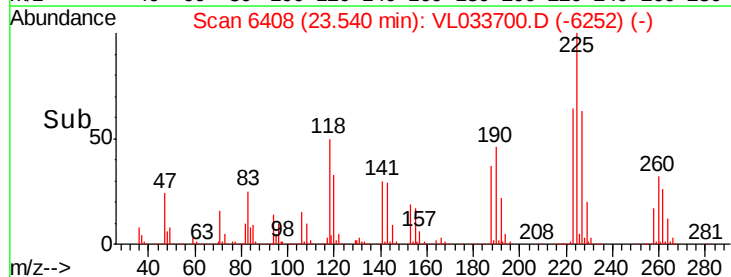
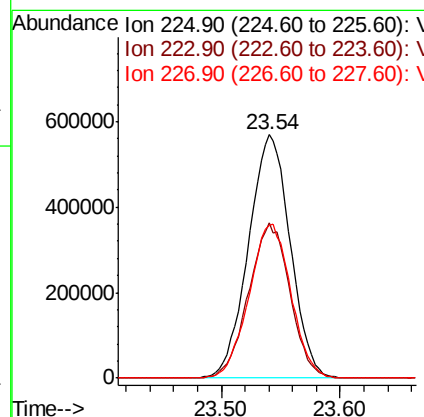
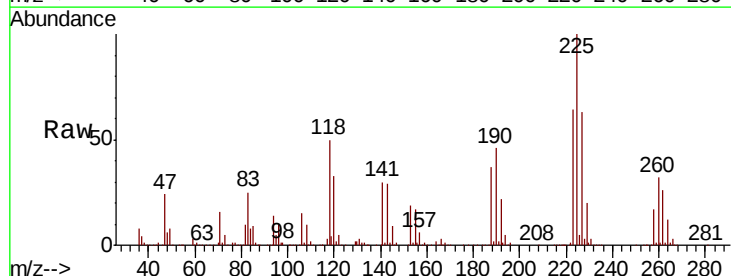
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

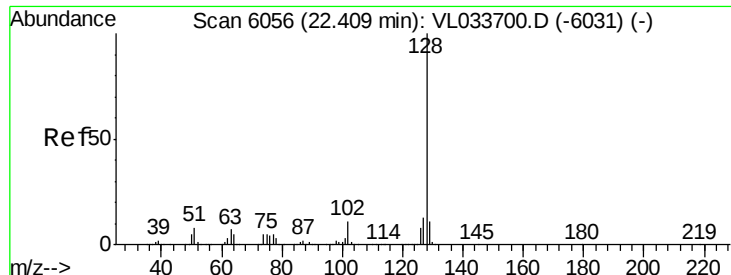
Tgt Ion:146 Resp: 2011834
 Ion Ratio Lower Upper
 146 100
 111 47.0 23.5 70.5
 148 64.2 32.1 96.3



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.906 ppbv
 RT: 23.54 min Scan# 6408
 Delta R.T. 0.00 min
 Lab File: VL033700.D
 Acq: 17 May 2019 1:59

Tgt Ion:225 Resp: 1380773
 Ion Ratio Lower Upper
 225 100
 223 62.8 50.2 75.4
 227 63.4 50.7 76.1

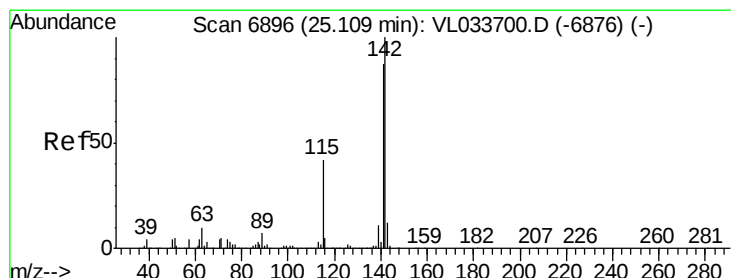
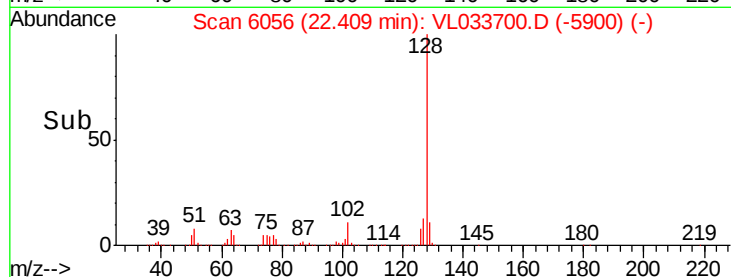
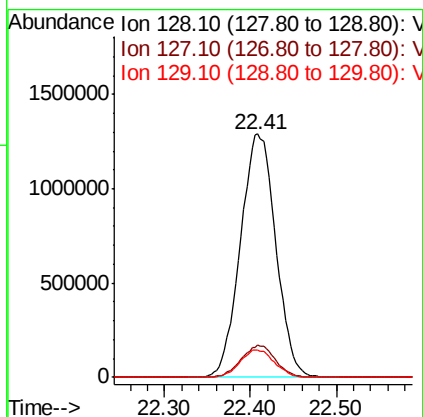
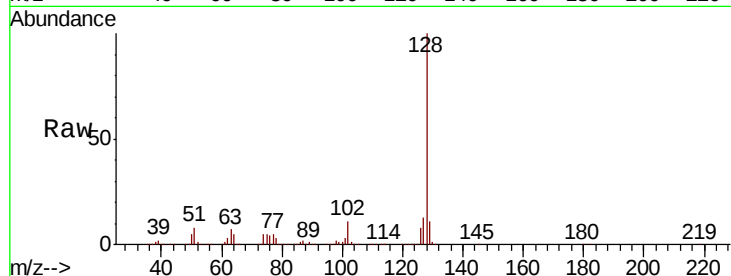




#79
Naphthalene
Concen: 8.933 ppbv
RT: 22.41 min Scan# 6056
Delta R.T. 0.00 min
Lab File: VL033700.D
Acq: 17 May 2019 1:59

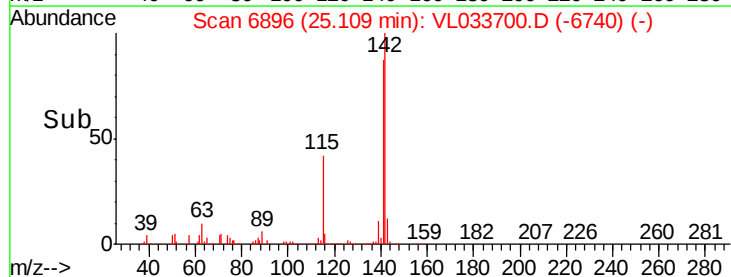
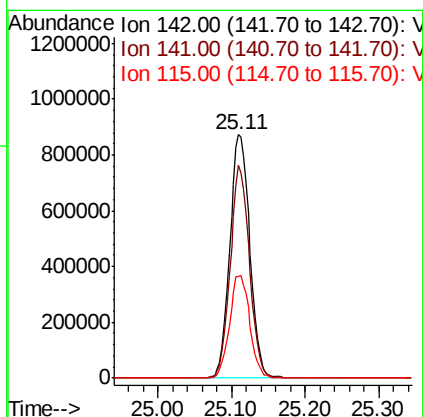
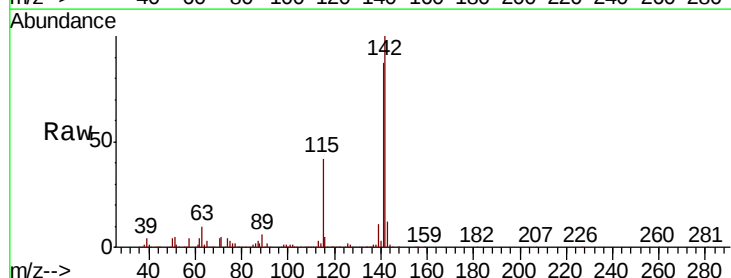
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

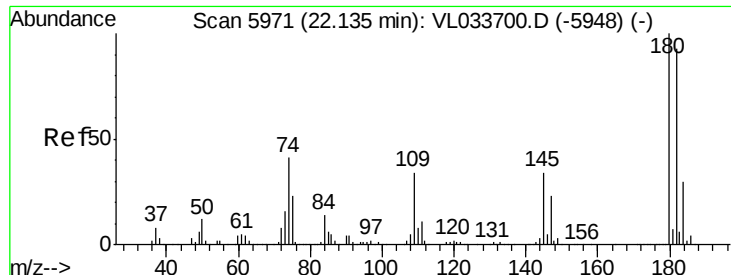
Tgt Ion:128 Resp: 3683380
Ion Ratio Lower Upper
128 100
127 13.3 10.6 16.0
129 11.1 8.9 13.3



#80
Naphthalene, 2-methyl-
Concen: 10.416 ppbv
RT: 25.11 min Scan# 6896
Delta R.T. 0.00 min
Lab File: VL033700.D
Acq: 17 May 2019 1:59

Tgt Ion:142 Resp: 1639755
Ion Ratio Lower Upper
142 100
141 83.9 67.2 100.8
115 42.7 34.1 51.1





#81
 1,2,4-Trichlorobenzene
 Concen: 8.320 ppbv
 RT: 22.14 min Scan# 5971
 Delta R.T. 0.00 min
 Lab File: VL033700.D
 Acq: 17 May 2019 1:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion:180 Resp: 1995008
 Ion Ratio Lower Upper
 180 100
 182 95.1 76.1 114.1
 184 30.8 24.6 37.0

