

Data File : VL033739.D
Acq On : 22 May 2019 9:56
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: May 23 04:17:48 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 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.75	49	1042342	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2424133	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	3457039	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	2282608	8.14	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.40%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.07	85	1668569	7.596	ppbv	99
3) Chlorodifluoromethane	3.01	51	1149927	9.631	ppbv	99
4) Chloromethane	3.17	50	655201	9.594	ppbv	97
5) Vinyl Chloride	3.29	62	650406	9.350	ppbv	100
6) Bromomethane	3.51	94	419384	9.881	ppbv	99
7) Chloroethane	3.59	64	242878	9.824	ppbv	97
8) Dichlorotetrafluoroethane	3.21	85	1693889	9.565	ppbv	99
9) Propene	3.03	41	491823	9.685	ppbv	100
10) Heptane	8.24	43	1318931	9.171	ppbv	99
11) Trichlorofluoromethane	4.00	101	2024403	9.656	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.54	101	1357903	9.275	ppbv	100
13) Ethanol	3.64	45	53575	3.264	ppbv #	52
14) Bromoethene	3.78	108	543351	10.095	ppbv	100
15) Acetone	3.89	43	1232795	8.524	ppbv	100
16) 1,3-Butadiene	3.36	39	577742	10.032	ppbv	98
17) tert-Butyl alcohol	4.35	59	1136750	9.721	ppbv	100
18) 1,1-Dichloroethene	4.35	96	597143	9.663	ppbv	98
19) Isopropyl Alcohol	4.02	45	794436	8.520	ppbv	99
20) Methylene Chloride	4.40	84	505496	9.078	ppbv	98
21) Allyl Chloride	4.47	41	884201	9.802	ppbv	100
22) trans-1,2-Dichloroethene	4.96	96	614291	9.698	ppbv	97
23) Vinyl Acetate	5.15	43	1921681	10.078	ppbv	99
24) 1,1-Dichloroethane	5.08	63	1353992	9.341	ppbv	98
25) Ethyl Acetate	5.76	43	2325639	9.154	ppbv	99
26) Hexane	5.77	57	1011677	9.263	ppbv	98
27) Carbon Disulfide	4.61	76	1533433	10.234	ppbv	99
28) Methyl tert-Butyl Ether	5.10	73	1765445	9.916	ppbv	99
29) Chloroform	5.84	83	1762148	8.759	ppbv	99
30) Cyclohexane	7.24	84	849567	9.253	ppbv	98
31) cis-1,2-Dichloroethene	5.63	61	1052046	9.715	ppbv	99
32) 1,1,1-Trichloroethane	6.61	97	1837285	9.146	ppbv	100
34) 2-Butanone	5.32	43	1544572	10.279	ppbv	99
35) Carbon Tetrachloride	7.13	117	1943130	10.007	ppbv	98
36) Benzene	7.00	78	2113808	9.586	ppbv	100
37) 1,2-Dichloroethane	6.41	62	1352363	9.507	ppbv	100
38) Trichloroethene	7.95	130	882740	10.788	ppbv	96
39) 1,2-Dichloropropane	7.73	63	796386	9.687	ppbv	99
40) 1,4-Dioxane	7.95	88	294332	8.558	ppbv #	96
41) Tetrahydrofuran	6.14	42	851455	10.114	ppbv	99
42) Bromodichloromethane	7.91	83	1946735	9.997	ppbv	97
43) Methyl Methacrylate	8.13	69	866263	10.675	ppbv	99

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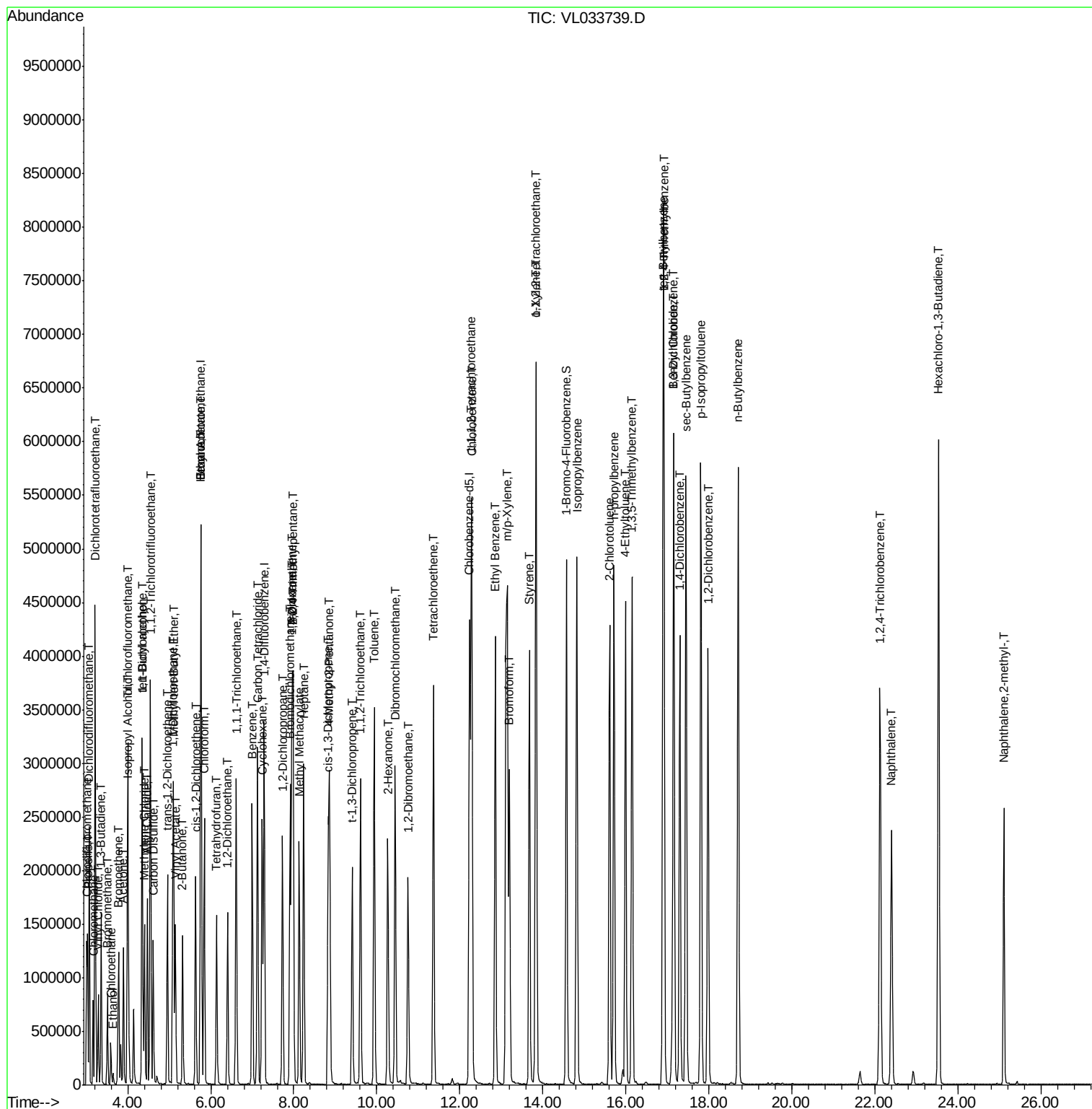
Quant Time: May 23 04:17:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 17 08:15:41 2019
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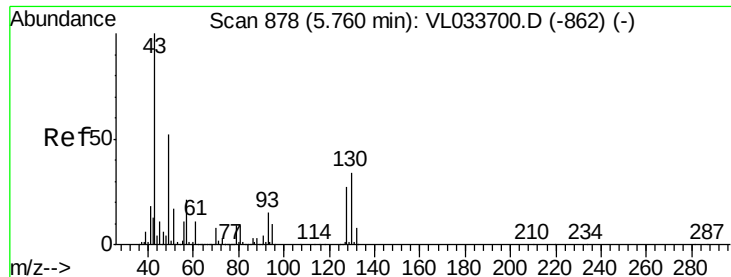
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.98	57	3587055	9.625	ppbv	99
45) t-1,3-Dichloropropene	9.41	75	1191673	11.583	ppbv	98
46) cis-1,3-Dichloropropene	8.83	75	1320550	10.962	ppbv	98
47) 1,1,2-Trichloroethane	9.61	97	1007455	10.787	ppbv	99
48) Dibromochloromethane	10.44	129	1869196	11.551	ppbv	100
49) Bromoform	13.19	173	1673098	12.287	ppbv	99
50) 4-Methyl-2-Pentanone	8.86	43	2320962	10.042	ppbv	99
51) 2-Hexanone	10.26	43	2141802	11.874	ppbv #	99
52) Tetrachloroethene	11.37	164	909336	11.731	ppbv	98
53) Toluene	9.94	91	2786284	11.715	ppbv	100
54) 1,2-Dibromoethane	10.75	107	1586604	11.132	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.27	131	1250859	7.819	ppbv	95
57) Chlorobenzene	12.29	112	2156499	7.578	ppbv	100
58) Ethyl Benzene	12.86	91	3852576	8.415	ppbv	99
59) m/p-Xylene	13.14	91	3030942	7.574	ppbv #	21
60) o-Xylene	13.84	91	3259734	8.080	ppbv	99
61) Styrene	13.68	104	2416221	8.896	ppbv	100
62) Isopropylbenzene	14.82	105	4376530	8.056	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.83	83	2286099	7.793	ppbv	99
64) n-propylbenzene	15.71	120	1159818	8.253	ppbv	98
65) tert-Butylbenzene	16.90	119	4011558	8.087	ppbv	99
66) Benzyl Chloride	17.15	91	2103842	8.905	ppbv	100
67) sec-Butylbenzene	17.45	105	5615031	8.088	ppbv	100
69) p-Isopropyltoluene	17.81	119	4695171	8.182	ppbv	99
70) n-Butylbenzene	18.70	91	4839544	7.865	ppbv	100
71) 2-Chlorotoluene	15.61	91	3326887	8.254	ppbv	100
72) 4-Ethyltoluene	15.99	105	3904477	8.465	ppbv	99
73) 1,3,5-Trimethylbenzene	16.15	105	3719601	8.265	ppbv	97
74) 1,2,4-Trimethylbenzene	16.92	105	3833572	7.827	ppbv	97
75) 1,3-Dichlorobenzene	17.15	146	2213105	7.374	ppbv	100
76) 1,4-Dichlorobenzene	17.30	146	2192874	7.687	ppbv	100
77) 1,2-Dichlorobenzene	17.98	146	2172891	7.705	ppbv	99
78) Hexachloro-1,3-Butadiene	23.53	225	1538988	7.218	ppbv	99
79) Naphthalene	22.40	128	3098433	6.811	ppbv	99
80) Naphthalene,2-methyl-	25.11	142	1379588	7.981	ppbv	99
81) 1,2,4-Trichlorobenzene	22.12	180	1760851	6.610	ppbv	99

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

ALS Vial : 1 Sample Multiplier: 1

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.75 min Scan# 876

Delta R.T. -0.01 min

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VSTDCCC010

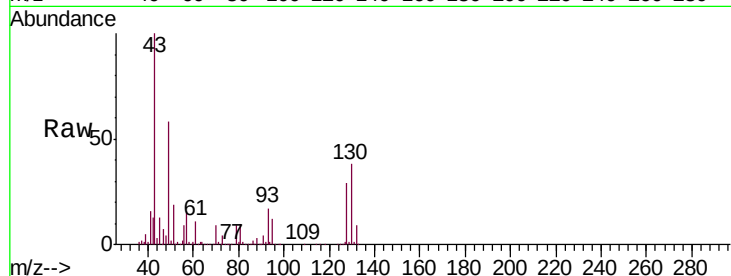
Tgt Ion: 49 Resp: 1042342

Ion Ratio Lower Upper

49 100

128 50.1 25.2 75.6

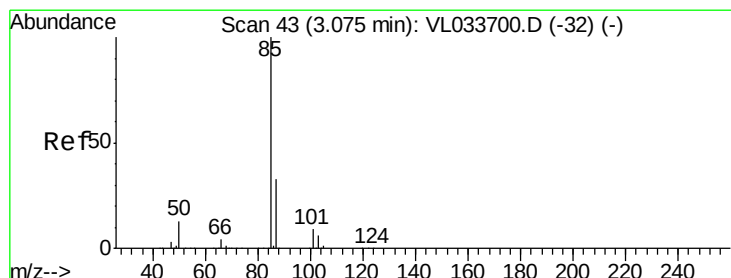
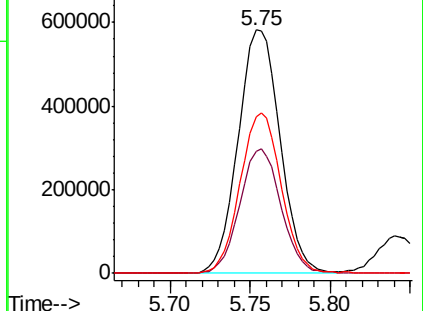
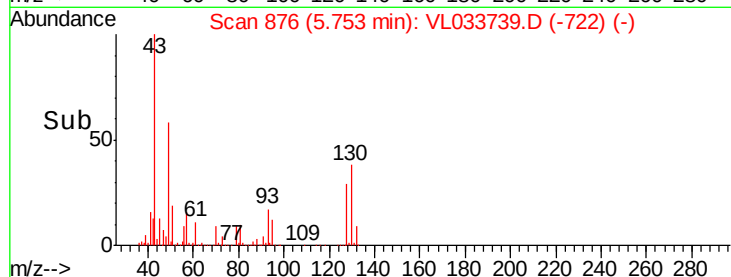
130 64.7 32.5 97.5



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 7.596 ppbv

RT: 3.07 min Scan# 42

Delta R.T. -0.00 min

Lab File: VL033739.D

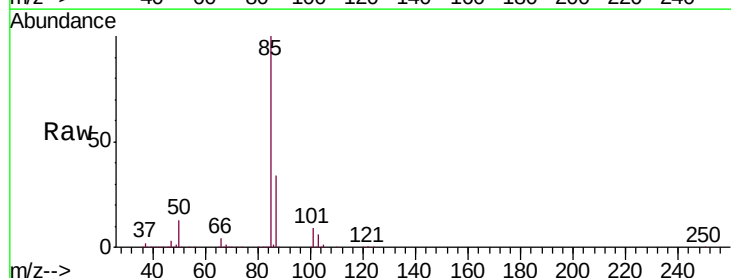
Acq: 22 May 2019 9:56

Tgt Ion: 85 Resp: 1668569

Ion Ratio Lower Upper

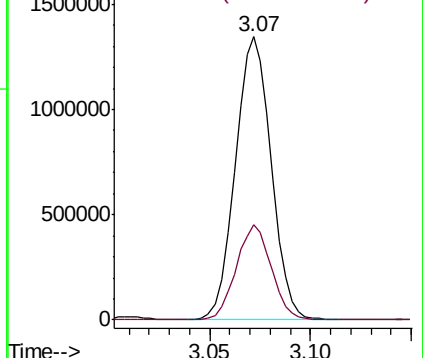
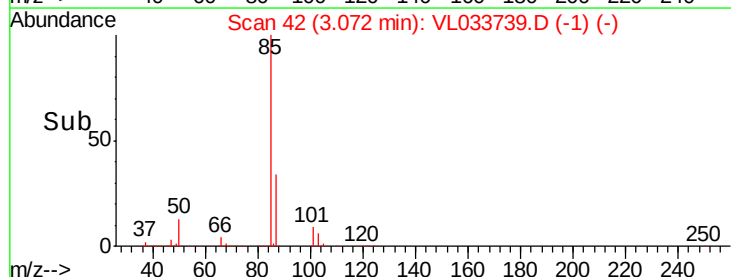
85 100

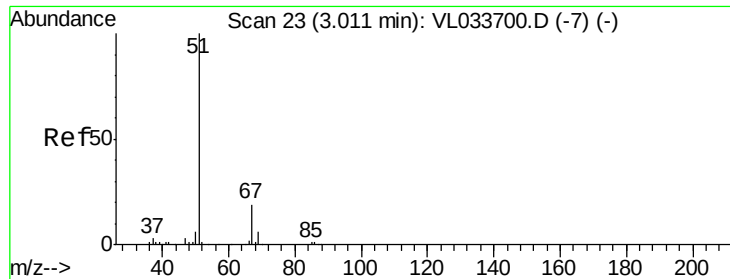
87 33.5 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

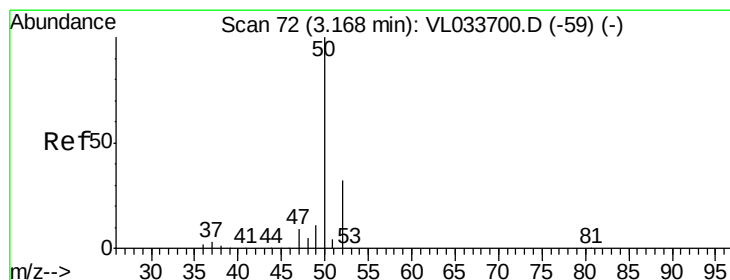
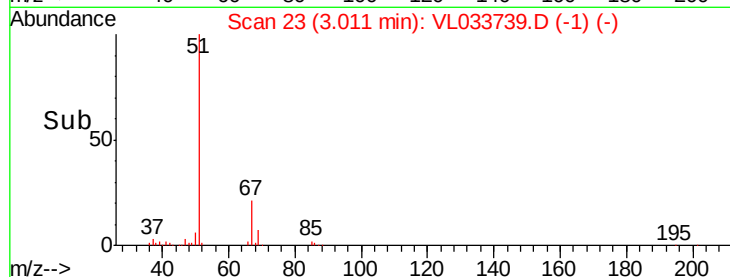
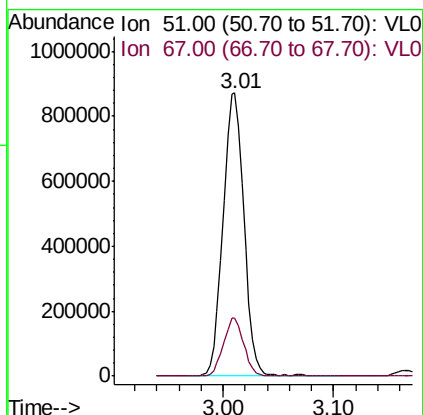
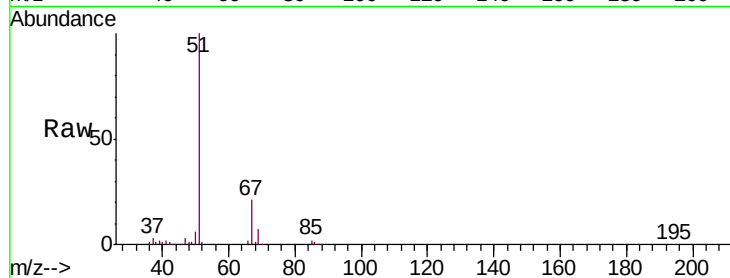




#3
 Chlorodifluoromethane
 Concen: 9.631 ppbv
 RT: 3.01 min Scan# 23
 Delta R.T. 0.00 min
 Lab File: VL033739.D
 Acq: 22 May 2019 9:56

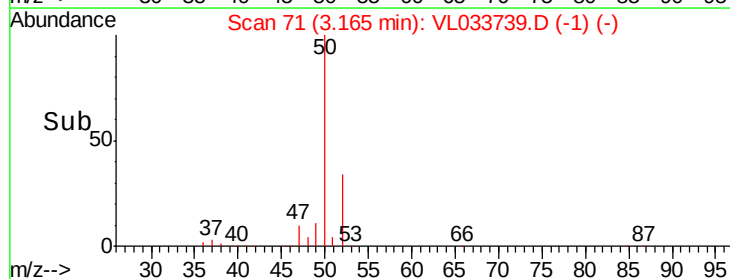
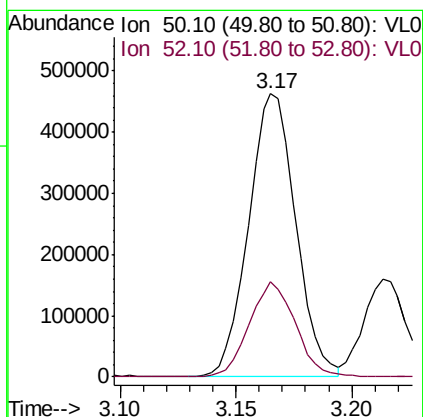
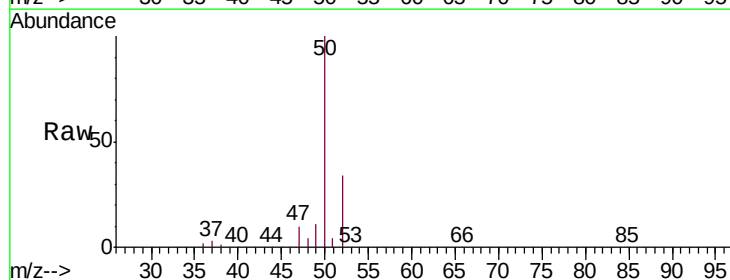
Instrument :
 MSVOA_L
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 VSTDCCC010

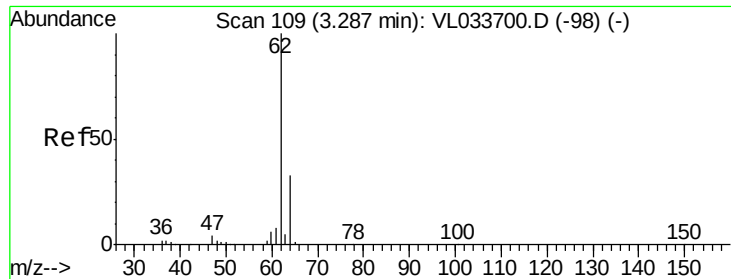
Tgt Ion: 51 Resp: 1149927
 Ion Ratio Lower Upper
 51 100
 67 20.0 15.6 23.4



#4
 Chloromethane
 Concen: 9.594 ppbv
 RT: 3.17 min Scan# 71
 Delta R.T. -0.00 min
 Lab File: VL033739.D
 Acq: 22 May 2019 9:56

Tgt Ion: 50 Resp: 655201
 Ion Ratio Lower Upper
 50 100
 52 33.7 25.7 38.5





#5

Vinyl Chloride

Concen: 9.350 ppbv

RT: 3.29 min Scan# 109

Delta R.T. 0.00 min

Lab File: VL033739.D

Acq: 22 May 2019 9:56

Instrument :

MSVOA_L

ClientSampleId :

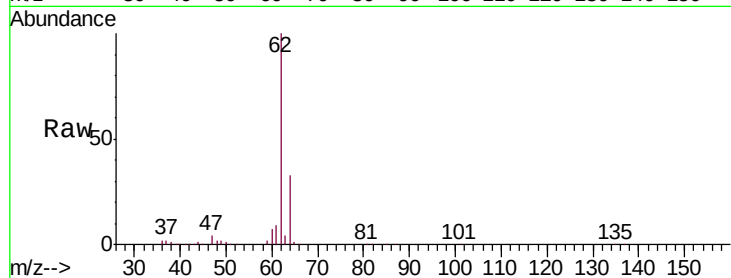
VSTDCCC010

Tgt Ion: 62 Resp: 650406

Ion Ratio Lower Upper

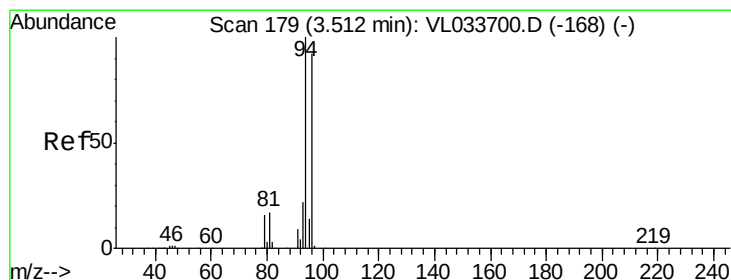
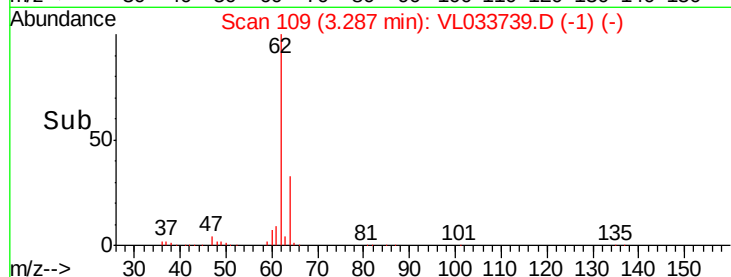
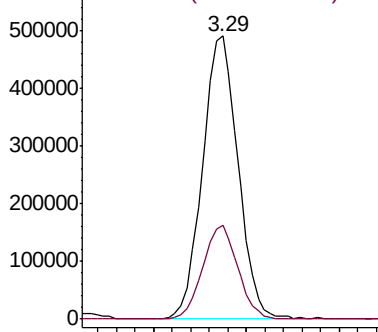
62 100

64 33.1 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: 9.881 ppbv

RT: 3.51 min Scan# 178

Delta R.T. -0.00 min

Lab File: VL033739.D

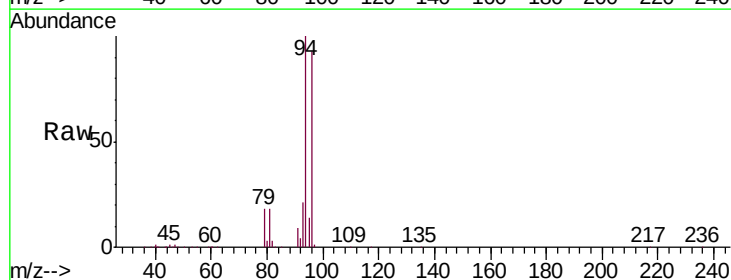
Acq: 22 May 2019 9:56

Tgt Ion: 94 Resp: 419384

Ion Ratio Lower Upper

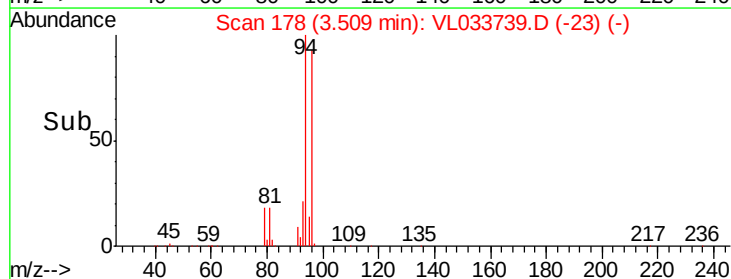
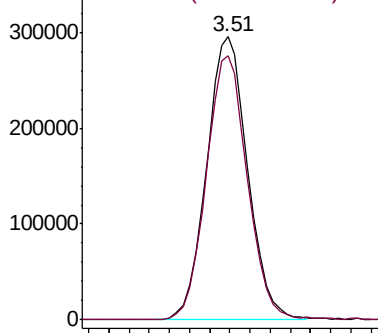
94 100

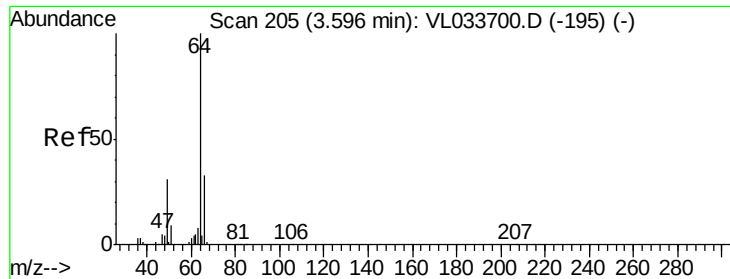
96 93.0 73.6 110.4



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.824 ppbv

RT: 3.59 min Scan# 204

Delta R.T. -0.00 min

Lab File: VL033739.D

Acq: 22 May 2019 9:56

Instrument :

MSVOA_L

ClientSampleId :

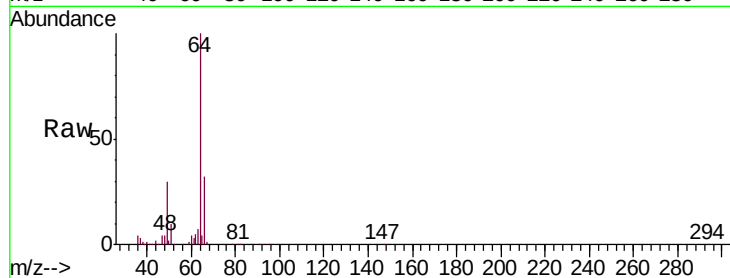
VSTDCCC010

Tgt Ion: 64 Resp: 242878

Ion Ratio Lower Upper

64 100

66 31.5 26.6 40.0



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.59

200000

150000

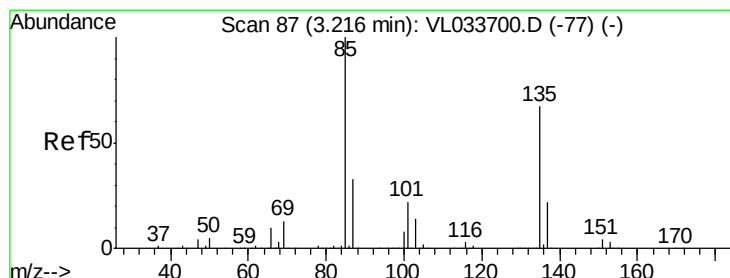
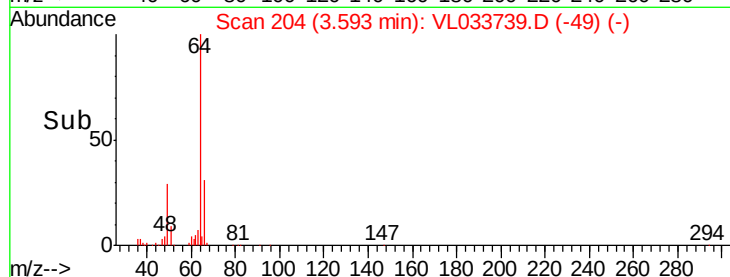
100000

50000

0

Time-->

3.55 3.60



#8

Dichlorotetrafluoroethane

Concen: 9.565 ppbv

RT: 3.21 min Scan# 86

Delta R.T. -0.00 min

Lab File: VL033739.D

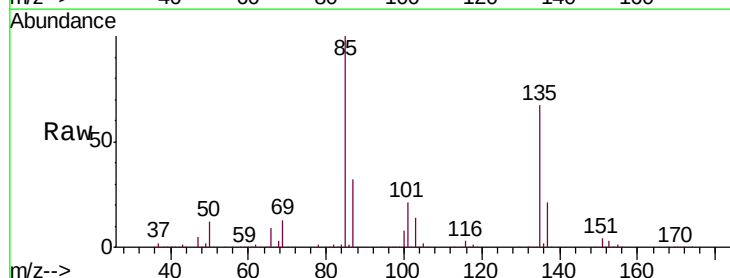
Acq: 22 May 2019 9:56

Tgt Ion: 85 Resp: 1693889

Ion Ratio Lower Upper

85 100

135 68.6 54.5 81.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.21

1500000

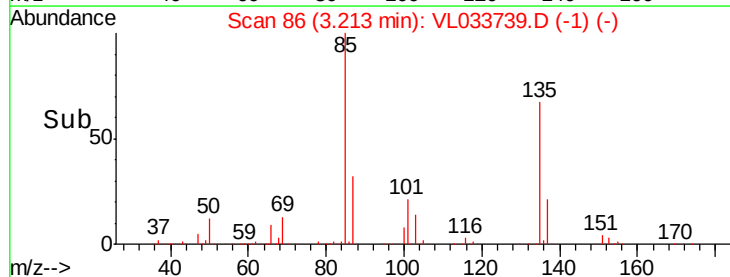
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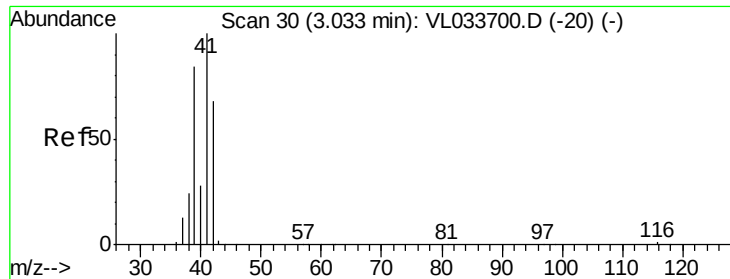
500000

0

Time-->

3.15 3.20 3.25





#9

Propene

Concen: 9.685 ppbv

RT: 3.03 min Scan# 29

Delta R.T. -0.00 min

Lab File: VL033739.D

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ClientSampleId :

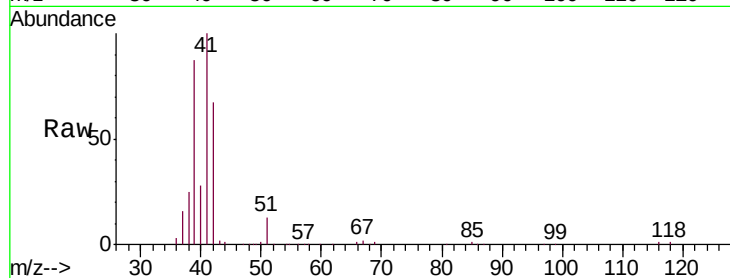
VSTDCCC010

Tgt Ion: 41 Resp: 491823

Ion Ratio Lower Upper

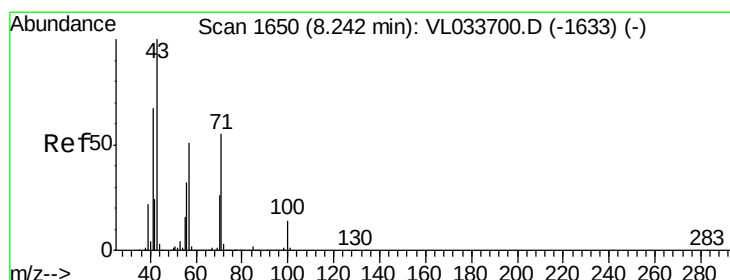
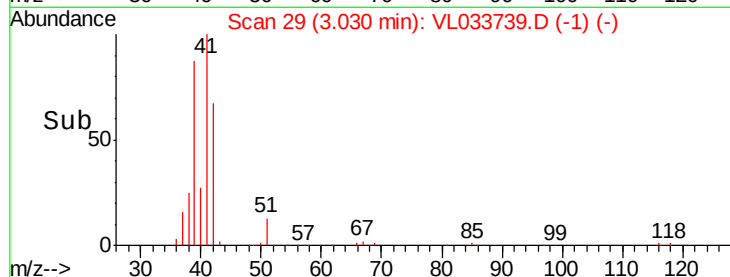
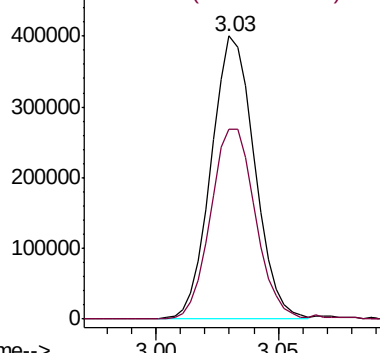
41 100

42 70.3 56.1 84.1



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 9.171 ppbv

RT: 8.24 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VL033739.D

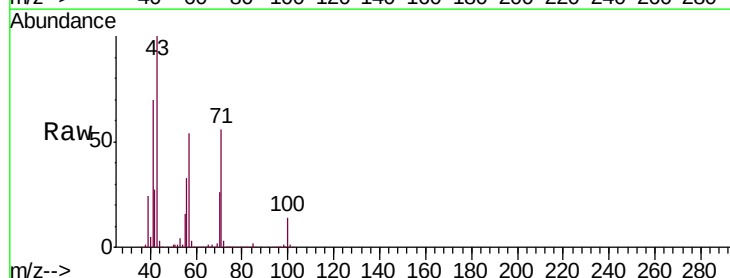
Acq: 22 May 2019 9:56

Tgt Ion: 43 Resp: 1318931

Ion Ratio Lower Upper

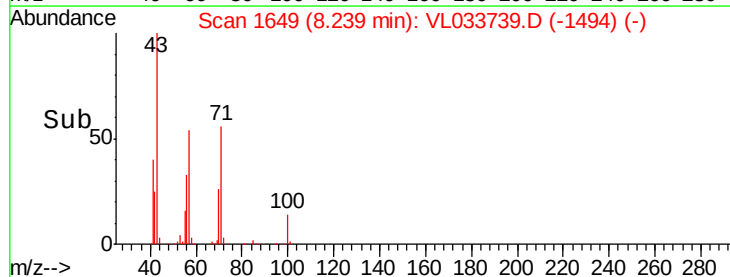
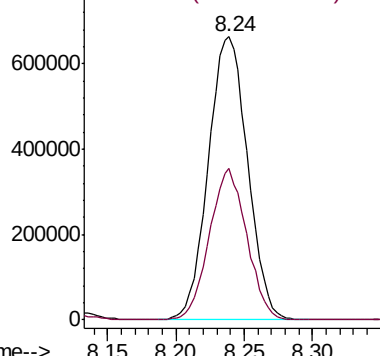
43 100

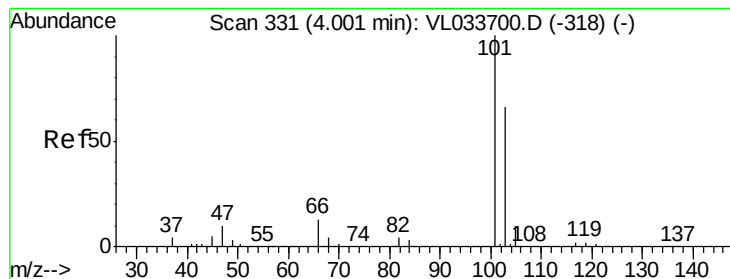
57 51.0 41.4 62.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 9.656 ppbv

RT: 4.00 min Scan# 330

Delta R.T. -0.00 min

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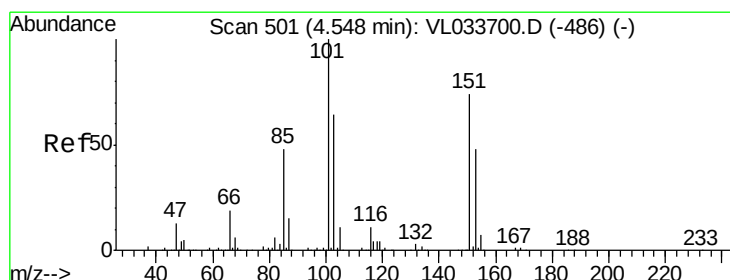
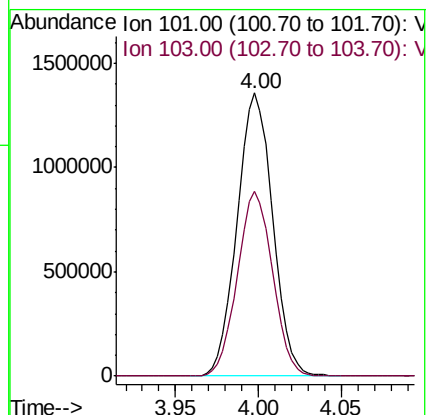
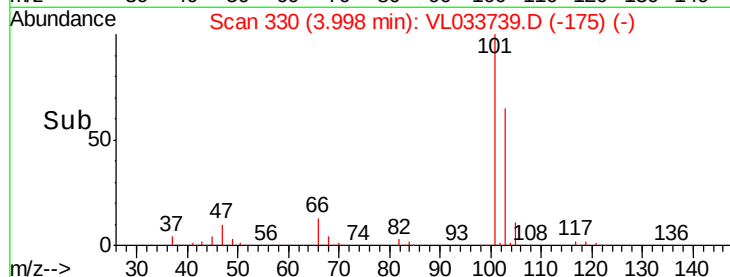
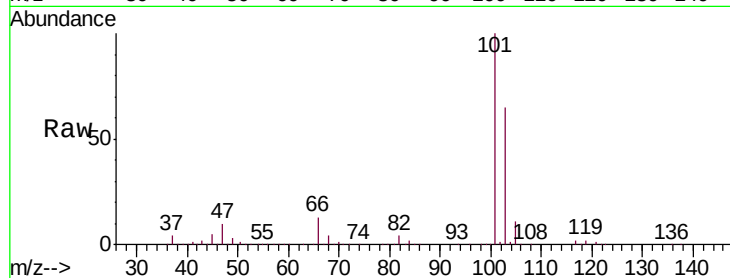
VSTDCCC010

Tgt Ion:101 Resp: 2024403

Ion Ratio Lower Upper

101 100

103 65.3 52.6 78.8



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.275 ppbv

RT: 4.54 min Scan# 500

Delta R.T. -0.00 min

Lab File: VL033739.D

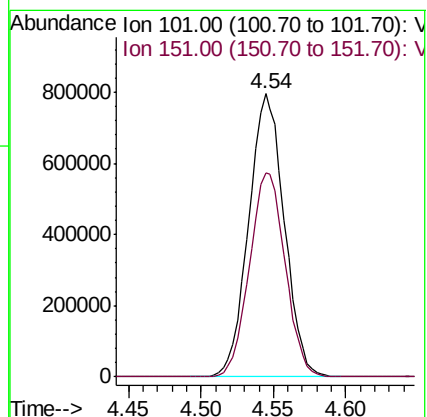
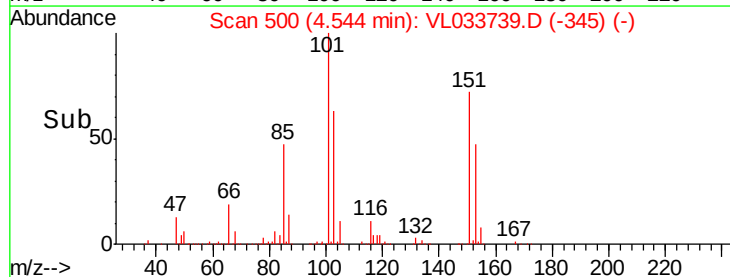
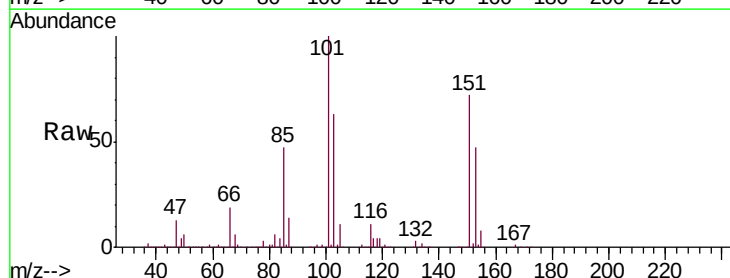
Acq: 22 May 2019 9:56

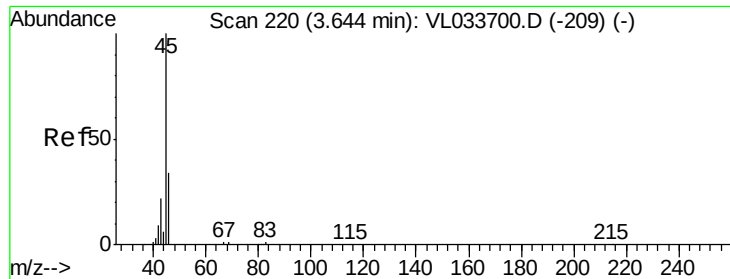
Tgt Ion:101 Resp: 1357903

Ion Ratio Lower Upper

101 100

151 72.6 58.2 87.4





#13

Ethanol

Concen: 3.264 ppbv

RT: 3.64 min Scan# 220

Delta R.T. 0.00 min

Lab File: VL033739.D

Acq: 22 May 2019 9:56

Instrument :

MSVOA_L

ClientSampleId :

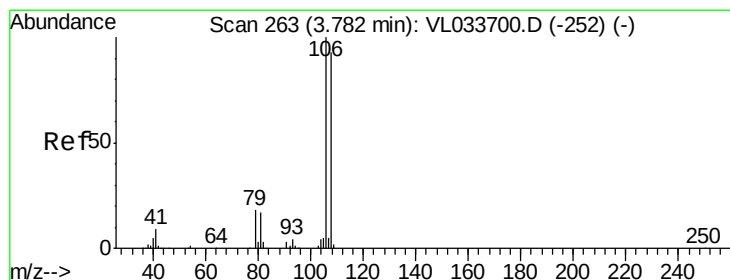
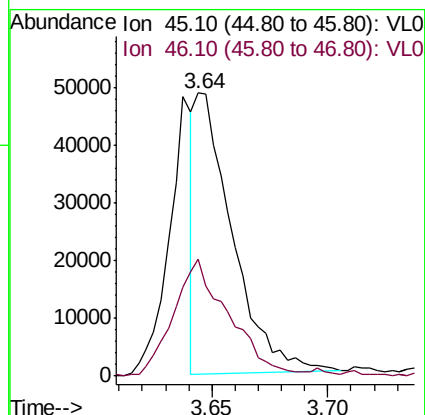
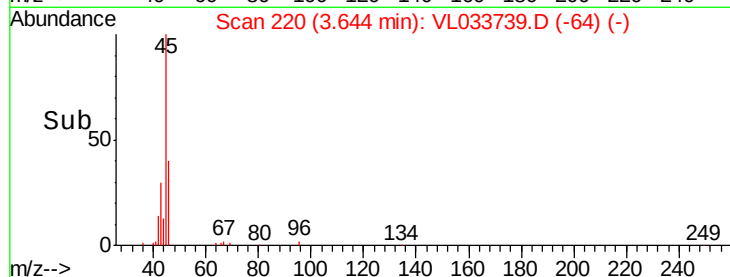
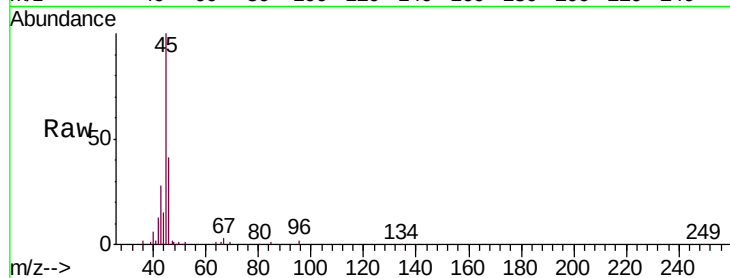
VSTDCCC010

Tgt Ion: 45 Resp: 53575

Ion Ratio Lower Upper

45 100

46 65.2 14.8 59.0#



#14

Bromoethene

Concen: 10.095 ppbv

RT: 3.78 min Scan# 263

Delta R.T. 0.00 min

Lab File: VL033739.D

Acq: 22 May 2019 9:56

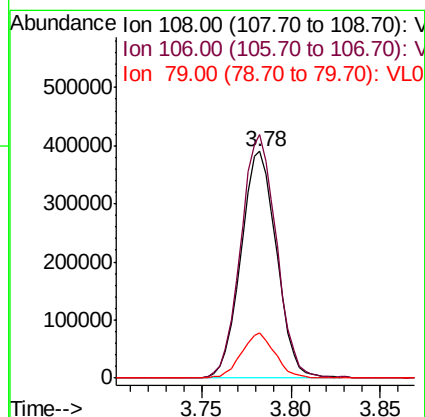
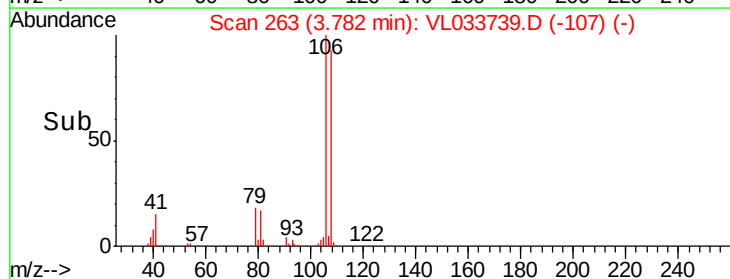
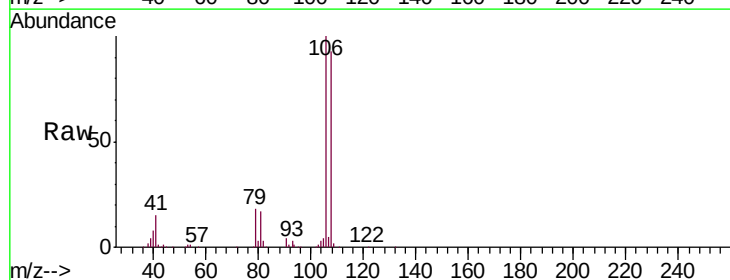
Tgt Ion: 108 Resp: 543351

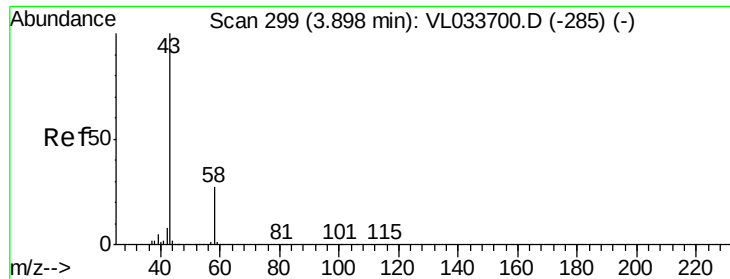
Ion Ratio Lower Upper

108 100

106 107.8 86.5 129.7

79 19.1 15.1 22.7





#15

Acetone

Concen: 8.524 ppbv

RT: 3.89 min Scan# 298

Delta R.T. -0.00 min

Lab File: VL033739.D

Acq: 22 May 2019 9:56

Instrument :

MSVOA_L

ClientSampleId :

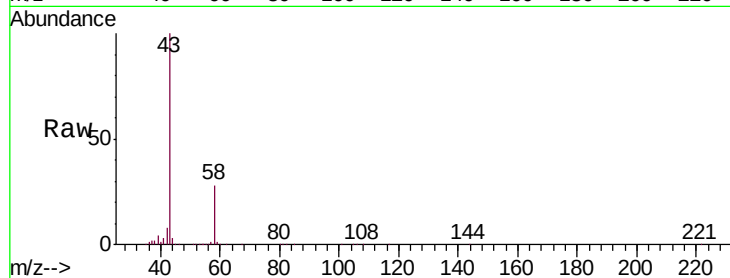
VSTDCCC010

Tgt Ion: 43 Resp: 1232795

Ion Ratio Lower Upper

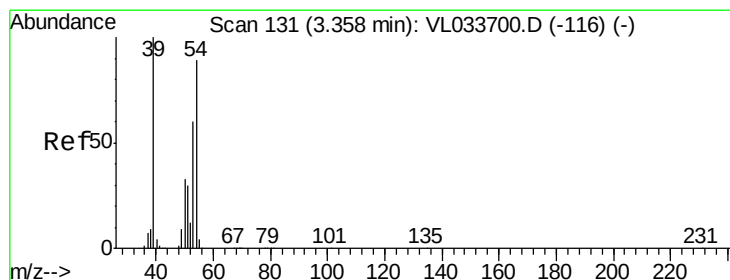
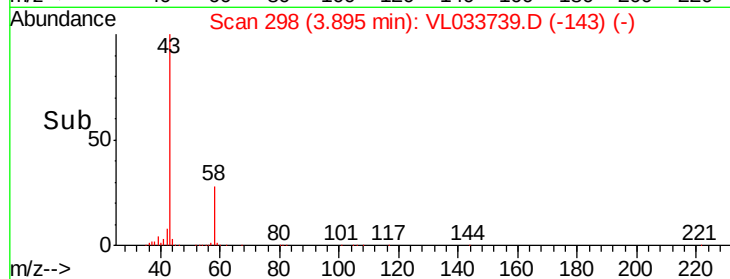
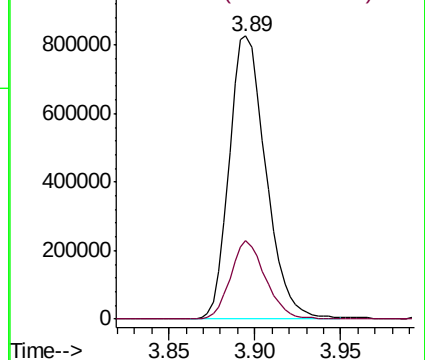
43 100

58 26.7 21.3 31.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 10.032 ppbv

RT: 3.36 min Scan# 131

Delta R.T. 0.00 min

Lab File: VL033739.D

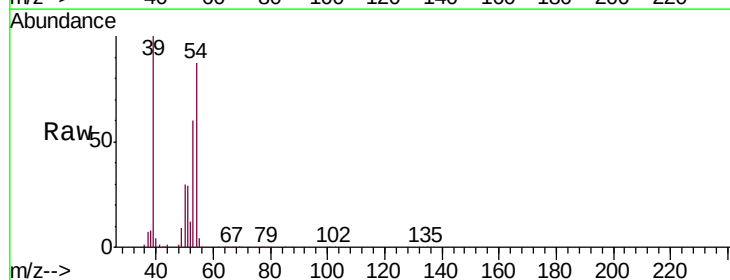
Acq: 22 May 2019 9:56

Tgt Ion: 39 Resp: 577742

Ion Ratio Lower Upper

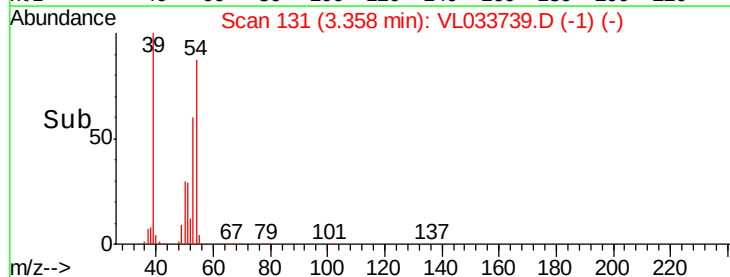
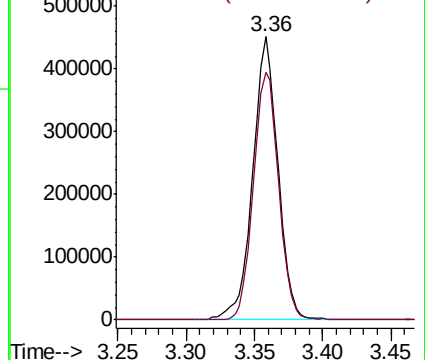
39 100

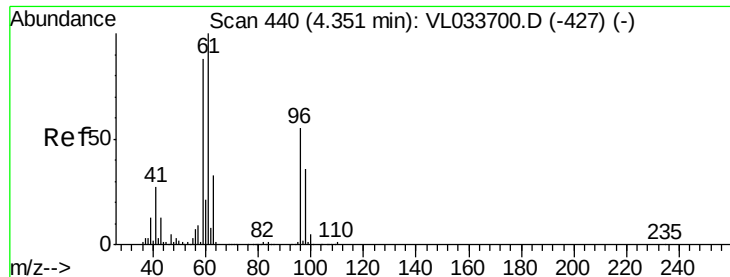
54 88.0 69.0 103.6



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 9.721 ppbv

RT: 4.35 min Scan# 439

Delta R.T. -0.00 min

Lab File: VL033739.D

Acq: 22 May 2019 9:56

Instrument :

MSVOA_L

ClientSampleId :

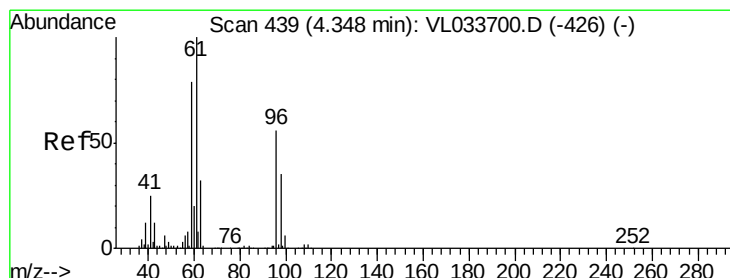
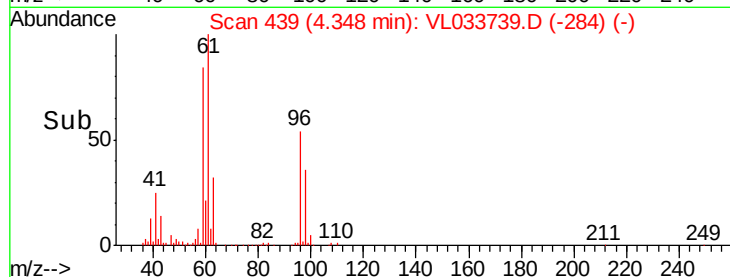
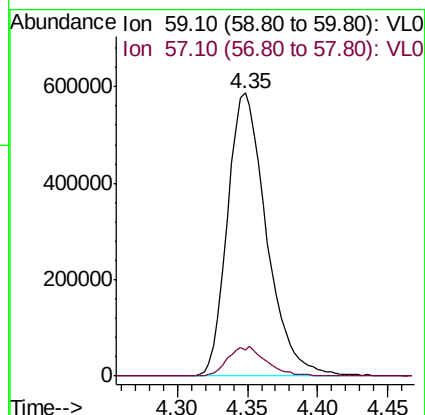
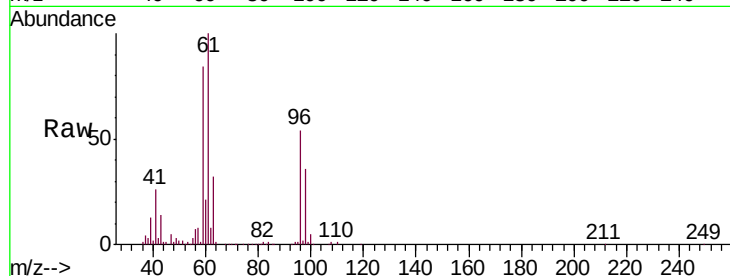
VSTDCCC010

Tgt Ion: 59 Resp: 1136750

Ion Ratio Lower Upper

59 100

57 10.5 8.4 12.6



#18

1,1-Dichloroethene

Concen: 9.663 ppbv

RT: 4.35 min Scan# 438

Delta R.T. -0.00 min

Lab File: VL033739.D

Acq: 22 May 2019 9:56

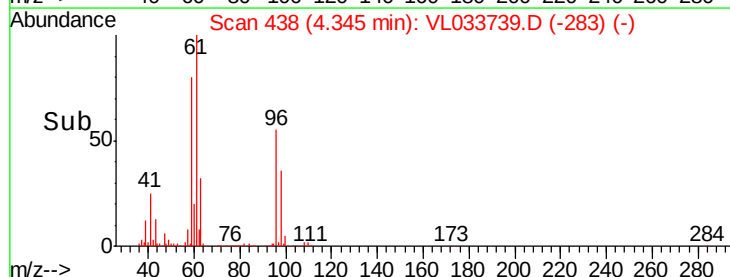
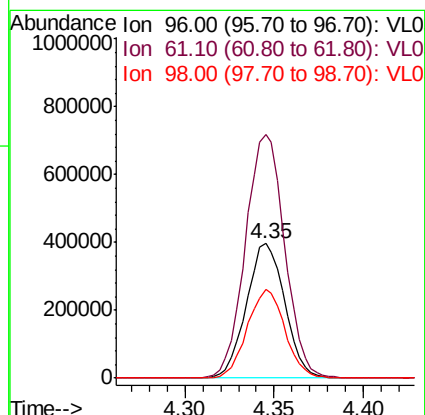
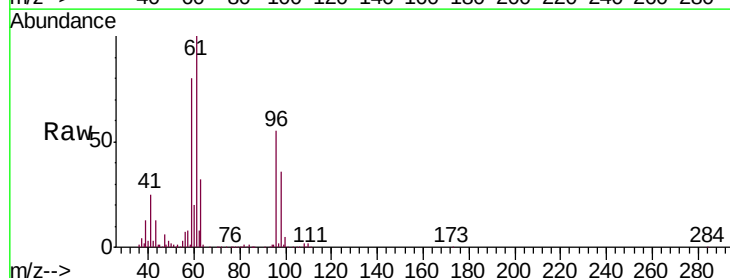
Tgt Ion: 96 Resp: 597143

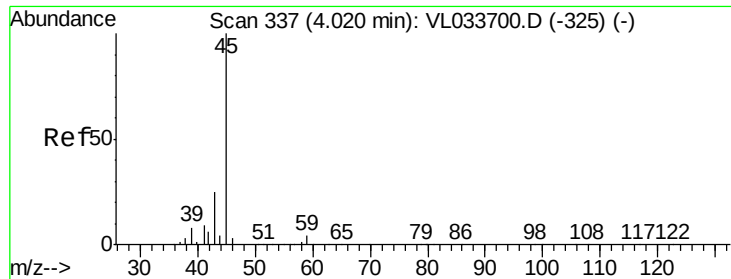
Ion Ratio Lower Upper

96 100

61 181.1 143.1 214.7

98 65.8 49.5 74.3





#19

Isopropyl Alcohol

Concen: 8.520 ppbv

RT: 4.02 min Scan# 336

Delta R.T. -0.00 min

Lab File: VL033739.D

Acq: 22 May 2019 9:56

Instrument :

MSVOA_L

ClientSampleId :

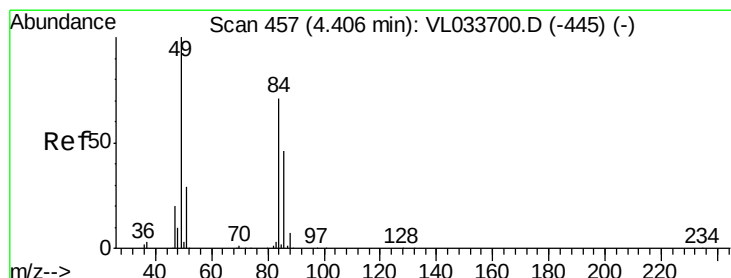
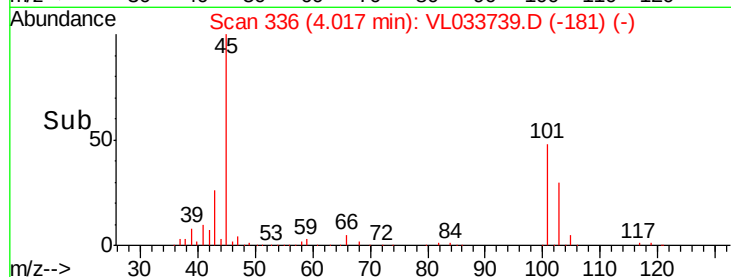
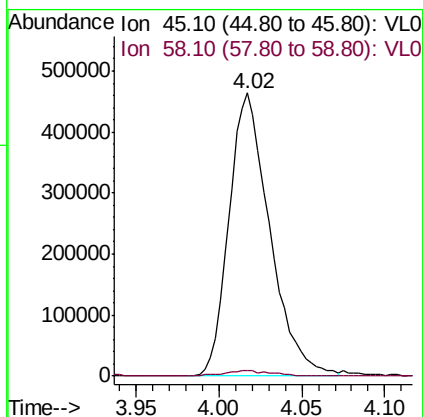
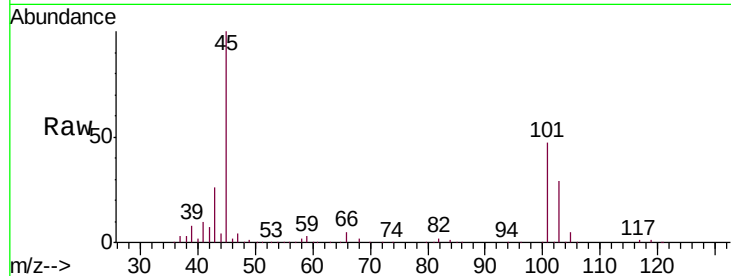
VSTDCCC010

Tgt Ion: 45 Resp: 794436

Ion Ratio Lower Upper

45 100

58 2.2 1.6 2.4



#20

Methylene Chloride

Concen: 9.078 ppbv

RT: 4.40 min Scan# 456

Delta R.T. -0.00 min

Lab File: VL033739.D

Acq: 22 May 2019 9:56

Tgt Ion: 84 Resp: 505496

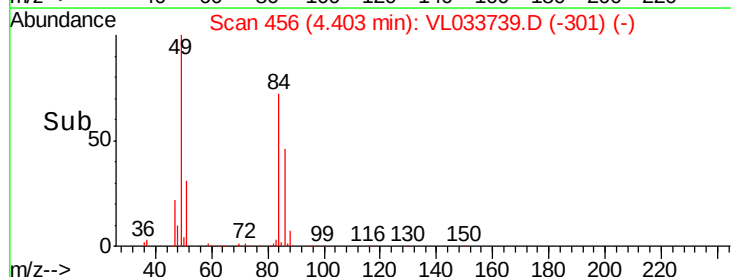
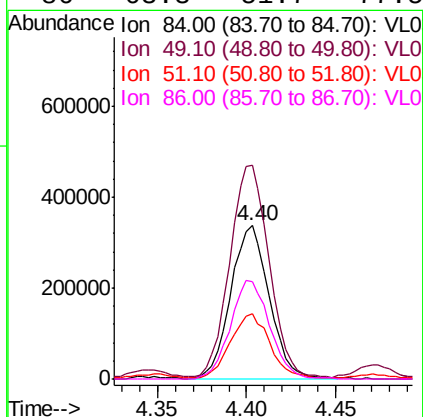
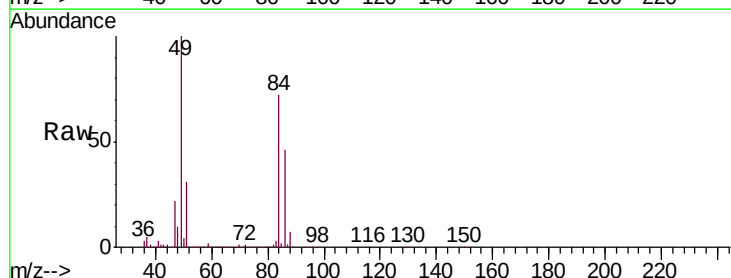
Ion Ratio Lower Upper

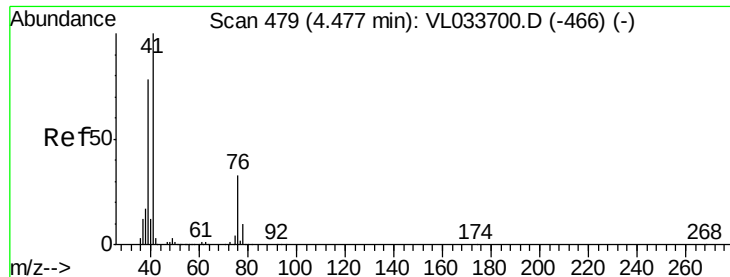
84 100

49 138.2 112.8 169.2

51 42.1 33.4 50.0

86 63.3 51.7 77.5

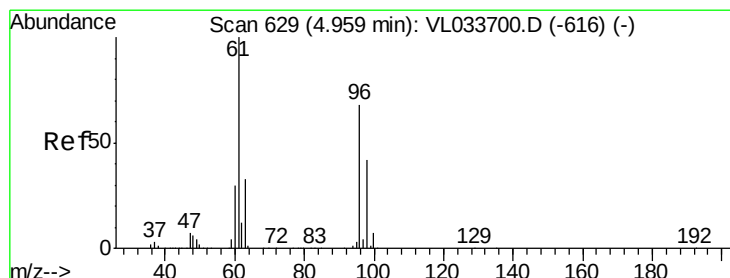
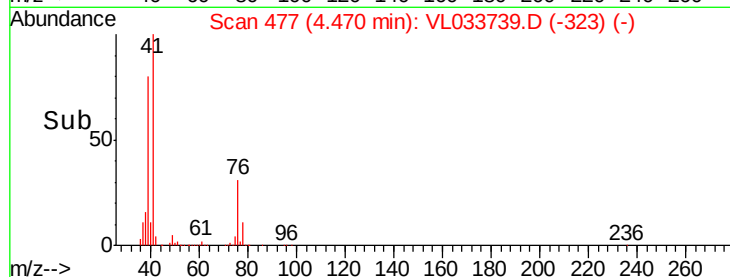
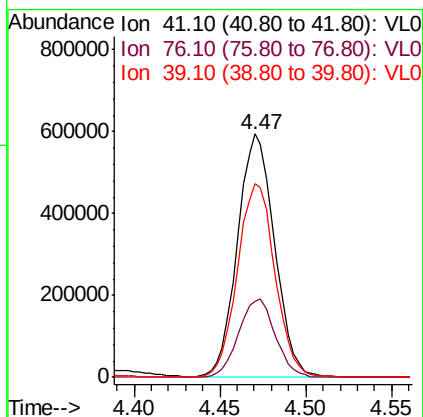
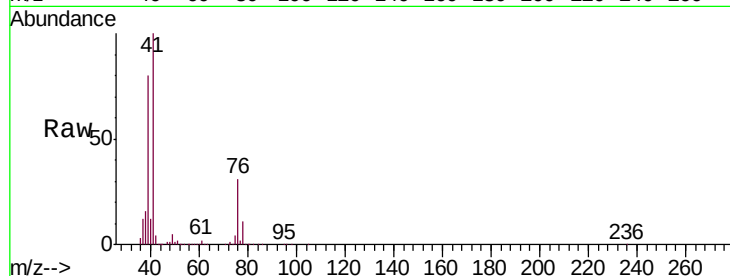




#21
 Allyl Chloride
 Concen: 9.802 ppbv
 RT: 4.47 min Scan# 477
 Delta R.T. -0.01 min
 Lab File: VL033739.D
 Acq: 22 May 2019 9:56

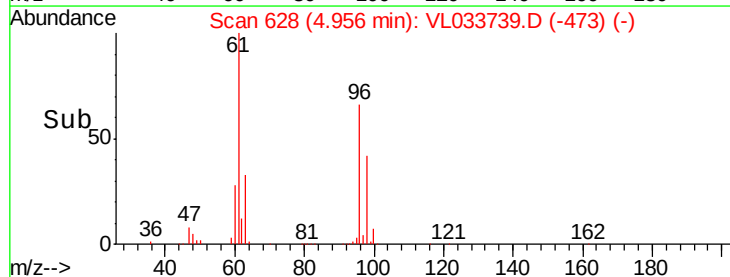
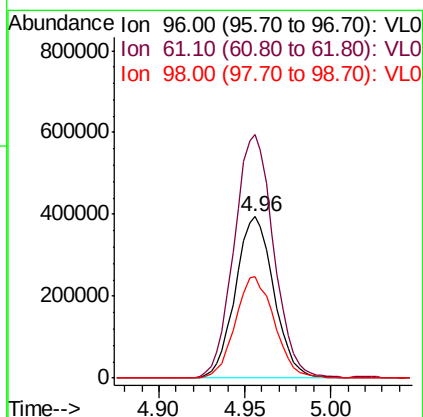
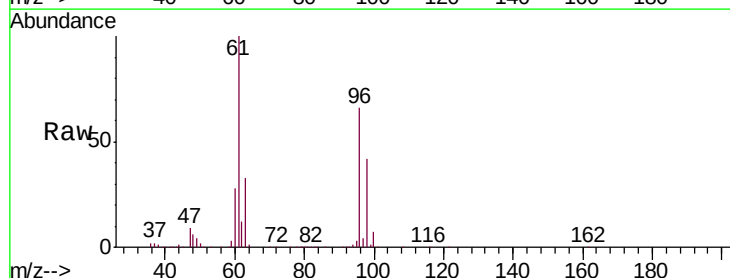
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

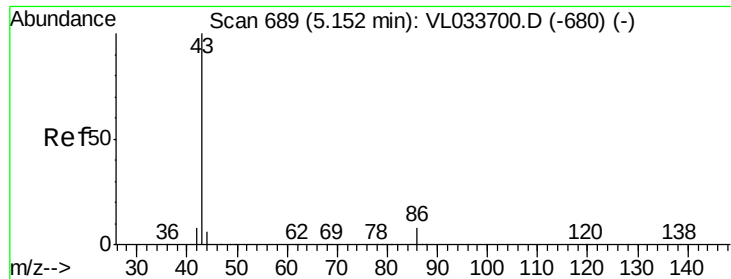
Tgt Ion	Ratio	Lower	Upper
41	100		
76	32.2	25.9	38.9
39	81.3	64.6	97.0



#22
 trans-1,2-Dichloroethene
 Concen: 9.698 ppbv
 RT: 4.96 min Scan# 628
 Delta R.T. -0.00 min
 Lab File: VL033739.D
 Acq: 22 May 2019 9:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.6	116.8	175.2
98	62.8	49.4	74.0





#23

Vinyl Acetate

Concen: 10.078 ppbv

RT: 5.15 min Scan# 687

Delta R.T. -0.01 min

Lab File: VL033739.D

Acq: 22 May 2019 9:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 1921681

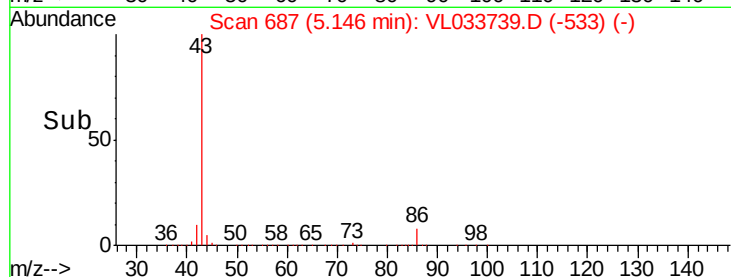
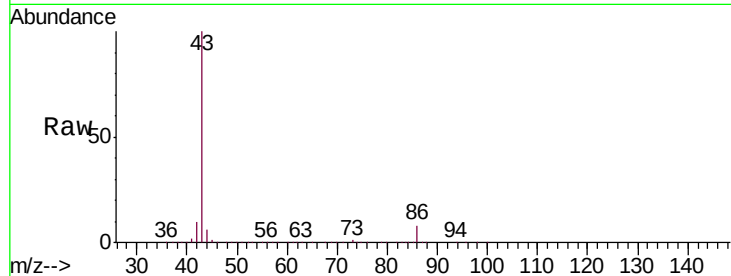
Ion	Ratio	Lower	Upper
43	100		
86	7.5	6.0	9.0
42	10.1	7.5	11.3
44	5.4	4.4	6.6

43 100

86 7.5 6.0 9.0

42 10.1 7.5 11.3

44 5.4 4.4 6.6

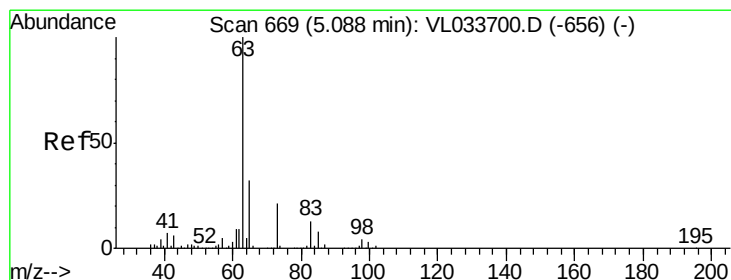
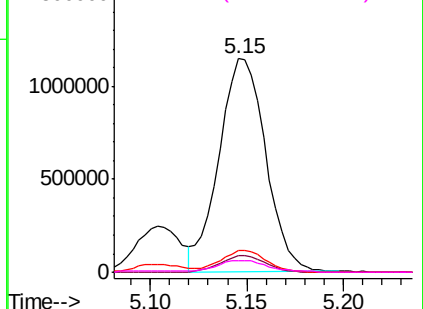


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.341 ppbv

RT: 5.08 min Scan# 668

Delta R.T. -0.00 min

Lab File: VL033739.D

Acq: 22 May 2019 9:56

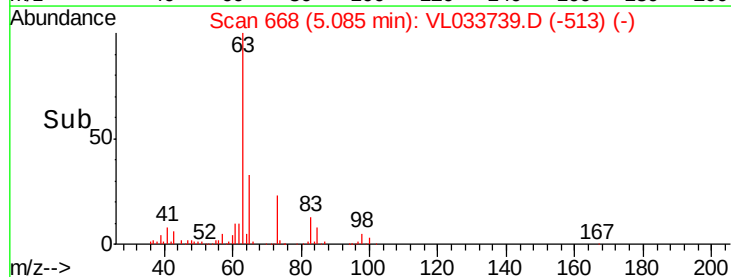
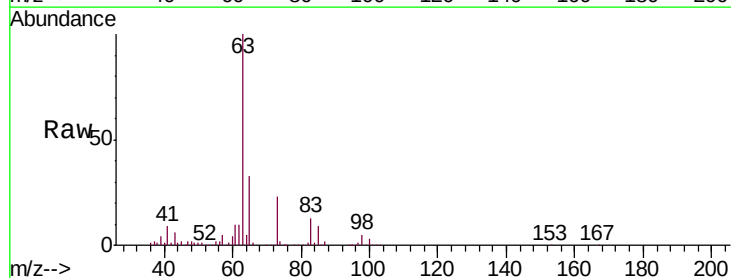
Tgt Ion: 63 Resp: 1353992

Ion	Ratio	Lower	Upper
63	100		
98	4.7	1.8	5.5
100	2.6	1.4	4.2

63 100

98 4.7 1.8 5.5

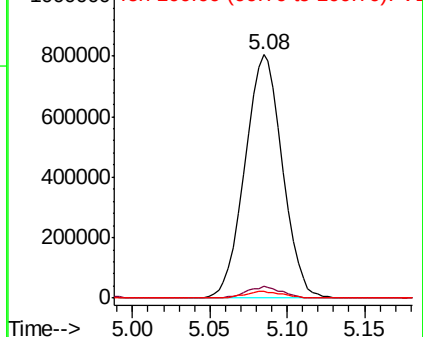
100 2.6 1.4 4.2

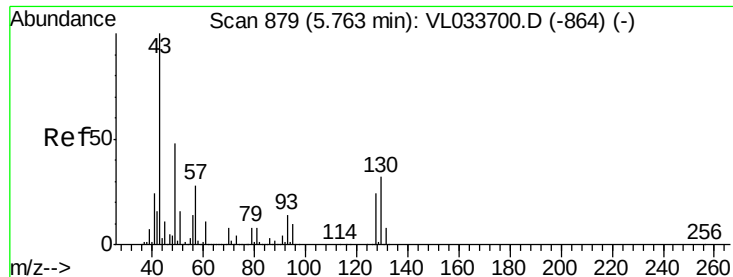


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



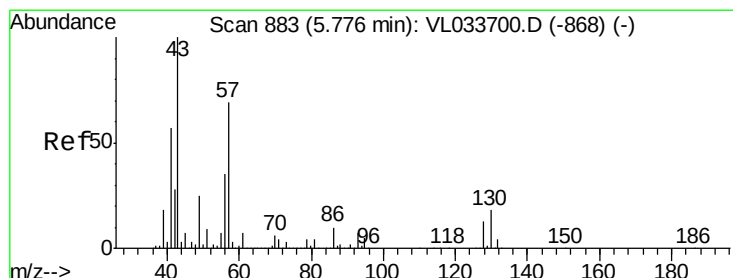
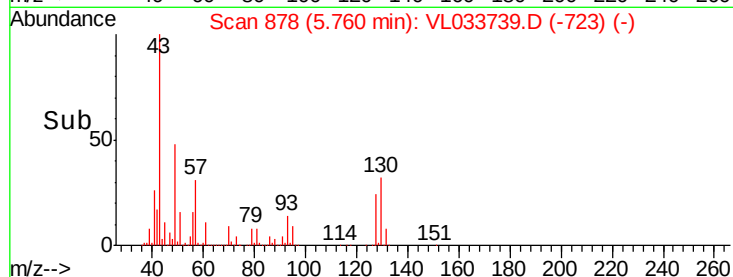
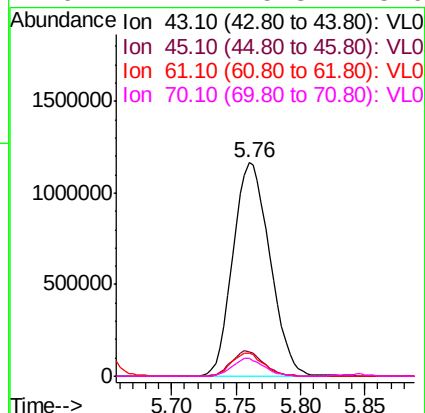
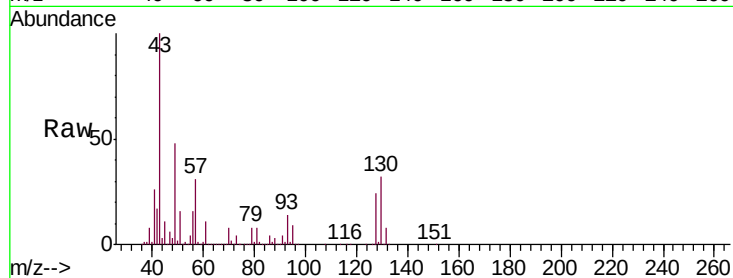


#25
Ethyl Acetate
Concen: 9.154 ppbv
RT: 5.76 min Scan# 878
Delta R.T. -0.00 min
Lab File: VL033739.D
Acq: 22 May 2019 9:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 2325639

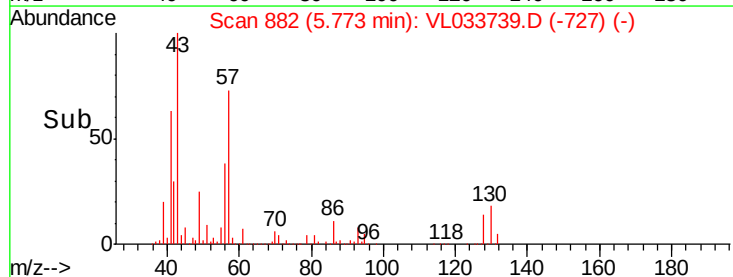
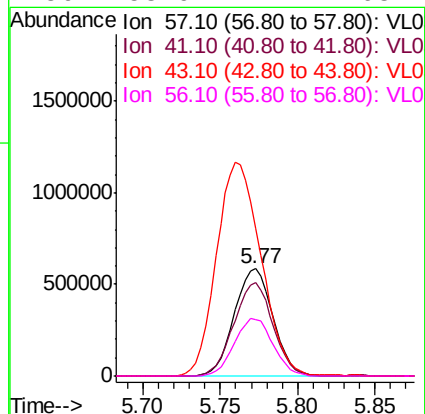
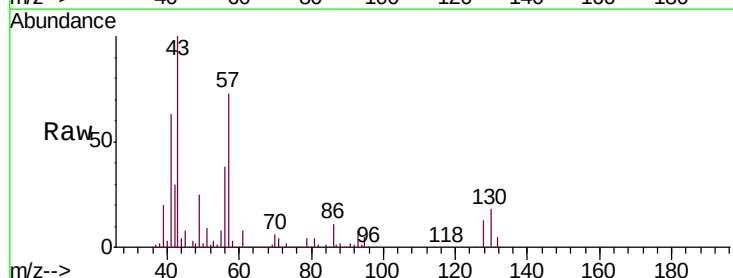
Ion	Ratio	Lower	Upper
43	100		
45	10.4	7.9	11.9
61	9.6	7.7	11.5
70	7.2	5.8	8.6

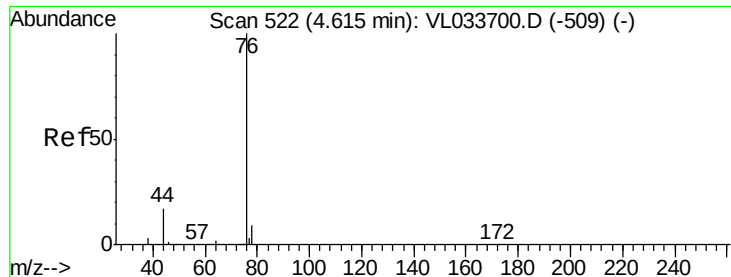


#26
Hexane
Concen: 9.263 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.00 min
Lab File: VL033739.D
Acq: 22 May 2019 9:56

Tgt Ion: 57 Resp: 1011677

Ion	Ratio	Lower	Upper
57	100		
41	88.5	69.8	104.6
43	230.8	181.8	272.6
56	53.9	42.1	63.1





#27

Carbon Disulfide

Concen: 10.234 ppbv

RT: 4.61 min Scan# 521

Delta R.T. -0.00 min

Lab File: VL033739.D

Acq: 22 May 2019 9:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

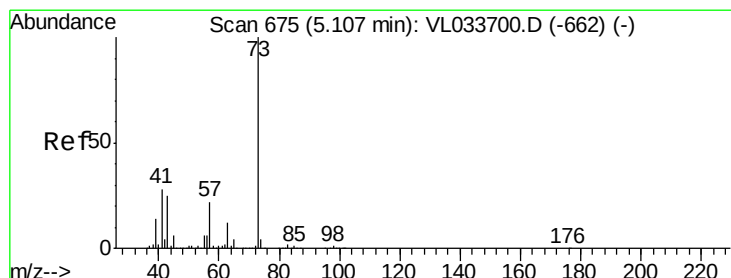
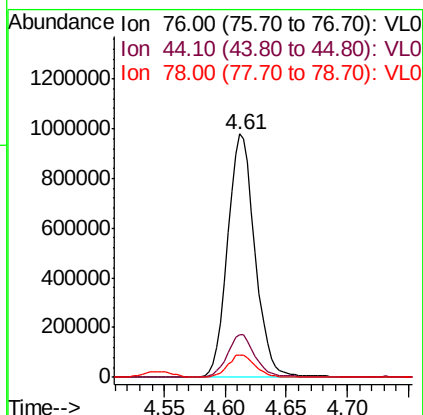
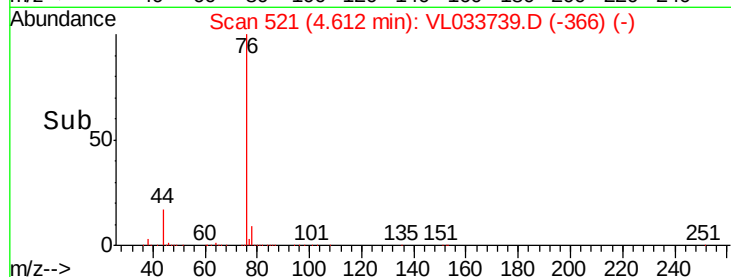
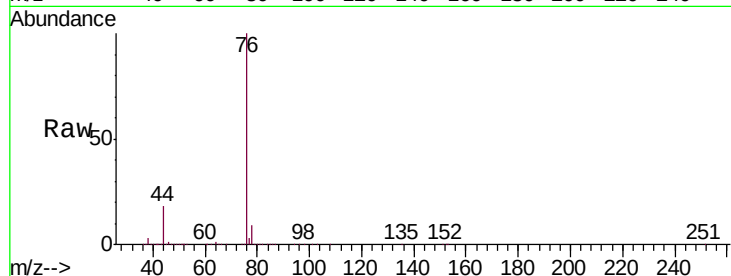
Tgt Ion: 76 Resp: 1533433

Ion Ratio Lower Upper

76 100

44 17.7 13.8 20.8

78 9.3 7.4 11.0



#28

Methyl tert-Butyl Ether

Concen: 9.916 ppbv

RT: 5.10 min Scan# 674

Delta R.T. -0.00 min

Lab File: VL033739.D

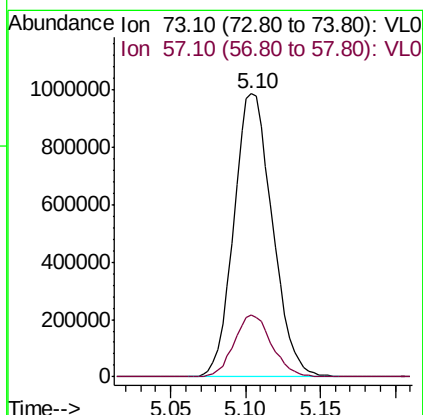
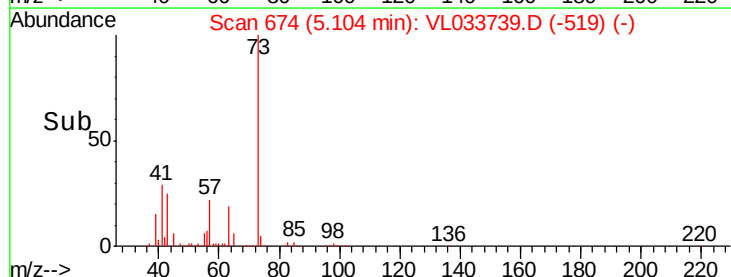
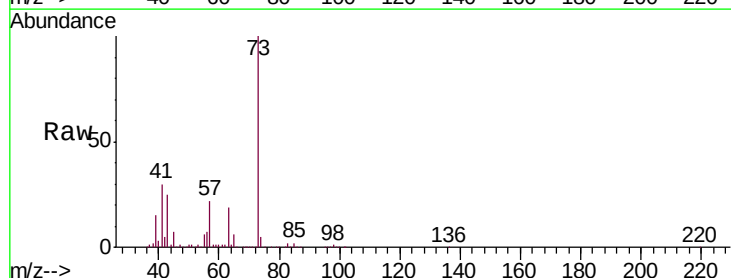
Acq: 22 May 2019 9:56

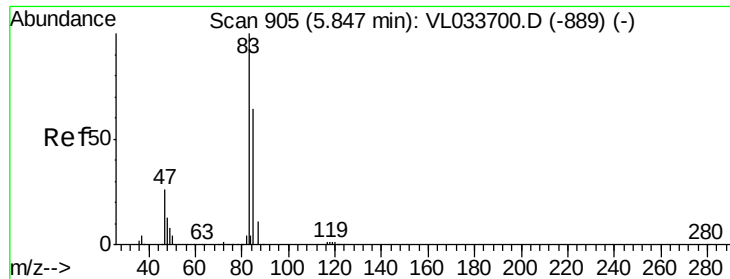
Tgt Ion: 73 Resp: 1765445

Ion Ratio Lower Upper

73 100

57 21.5 17.4 26.2

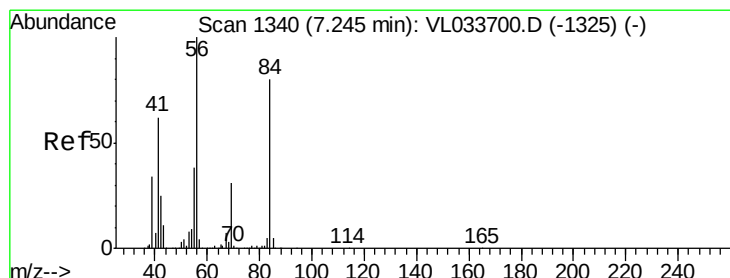
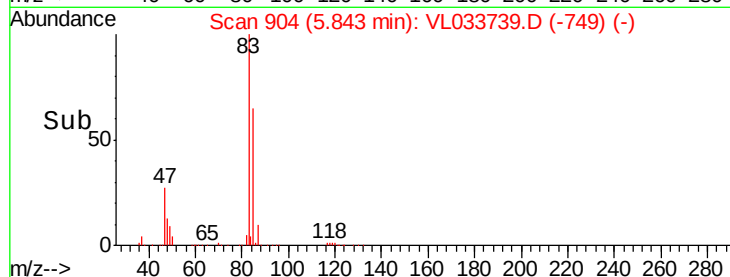
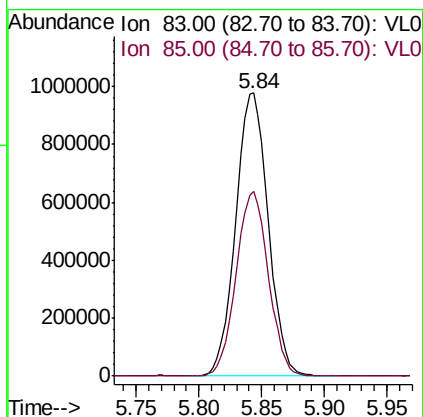
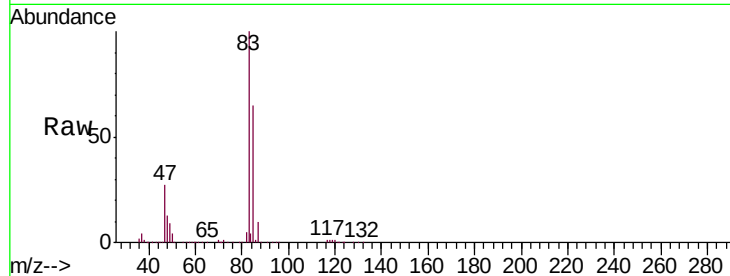




#29
Chloroform
Concen: 8.759 ppbv
RT: 5.84 min Scan# 904
Delta R.T. -0.00 min
Lab File: VL033739.D
Acq: 22 May 2019 9:56

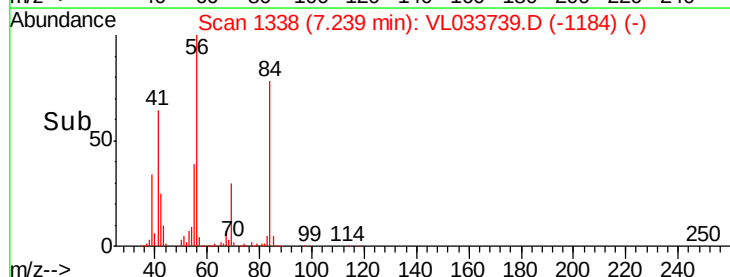
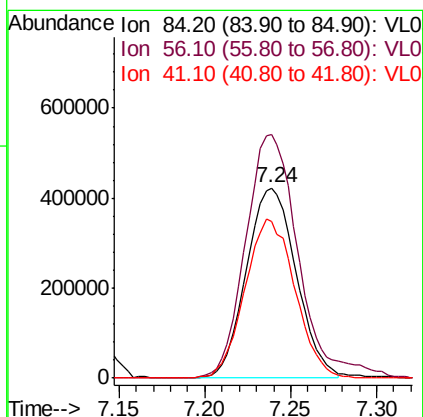
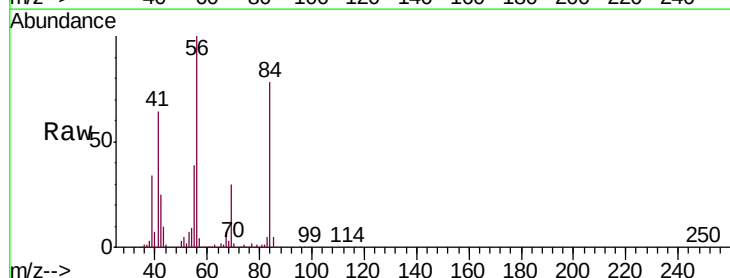
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

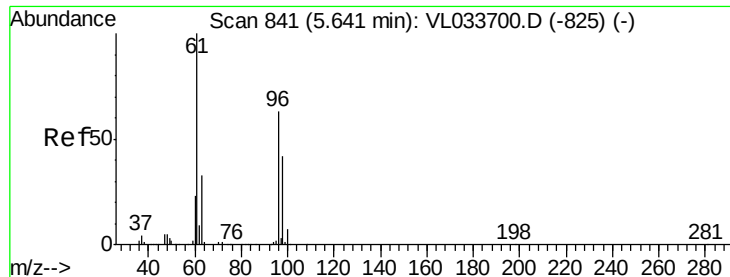
Tgt Ion: 83 Resp: 1762148
Ion Ratio Lower Upper
83 100
85 65.1 51.5 77.3



#30
Cyclohexane
Concen: 9.253 ppbv
RT: 7.24 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VL033739.D
Acq: 22 May 2019 9:56

Tgt Ion: 84 Resp: 849567
Ion Ratio Lower Upper
84 100
56 136.2 107.7 161.5
41 84.3 66.0 99.0





#31

cis-1,2-Dichloroethene

Concen: 9.715 ppbv

RT: 5.63 min Scan# 839

Delta R.T. -0.01 min

Lab File: VL033739.D

Acq: 22 May 2019 9:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

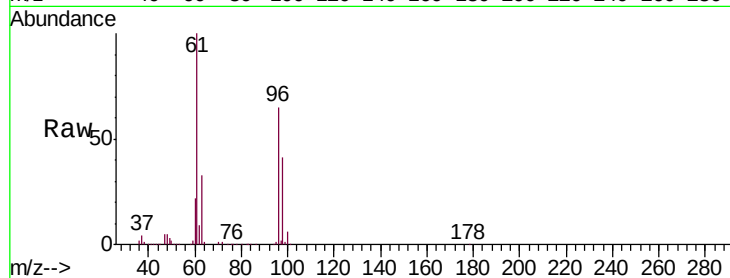
Tgt Ion: 61 Resp: 1052046

Ion Ratio Lower Upper

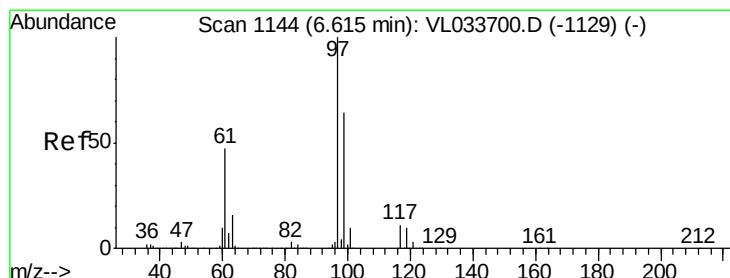
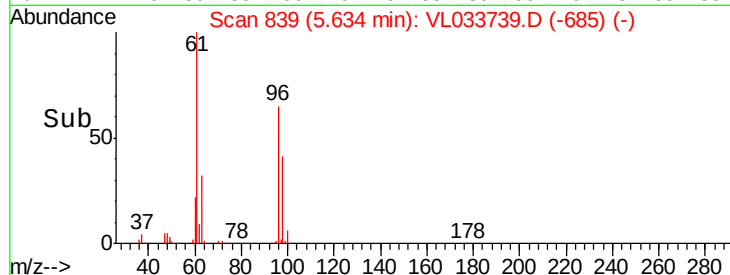
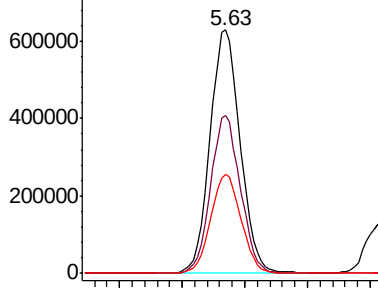
61 100

96 64.8 50.8 76.2

98 40.8 33.3 49.9



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



#32

1,1,1-Trichloroethane

Concen: 9.146 ppbv

RT: 6.61 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VL033739.D

Acq: 22 May 2019 9:56

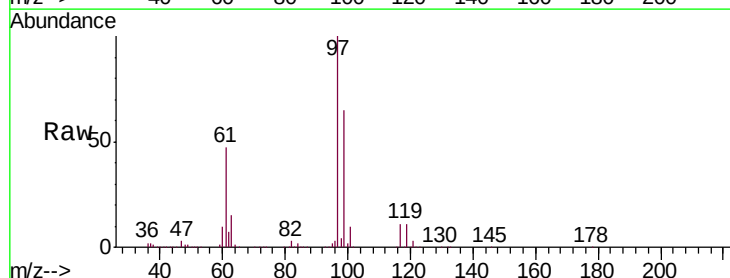
Tgt Ion: 97 Resp: 1837285

Ion Ratio Lower Upper

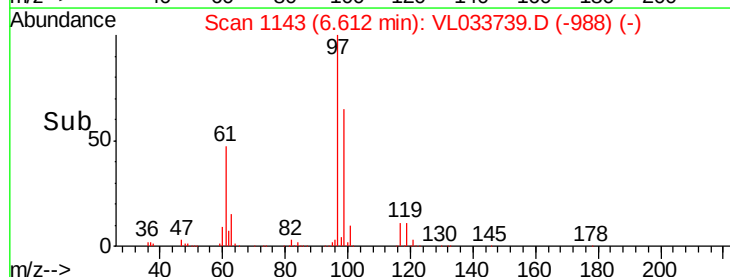
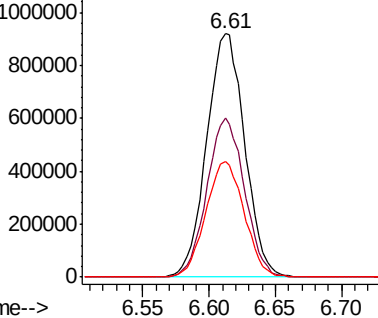
97 100

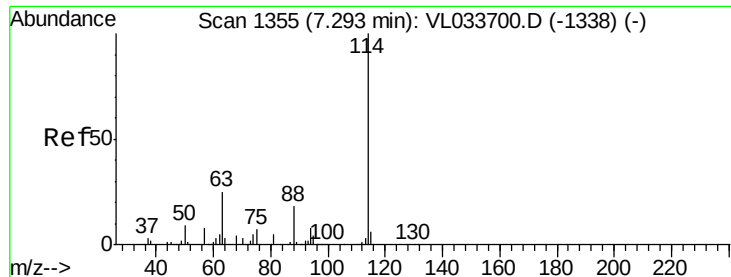
99 64.5 51.5 77.3

61 48.0 37.8 56.8



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0

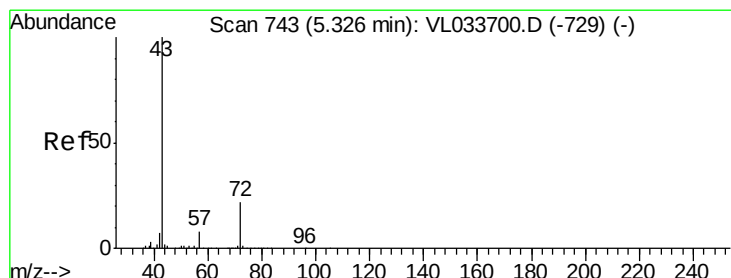
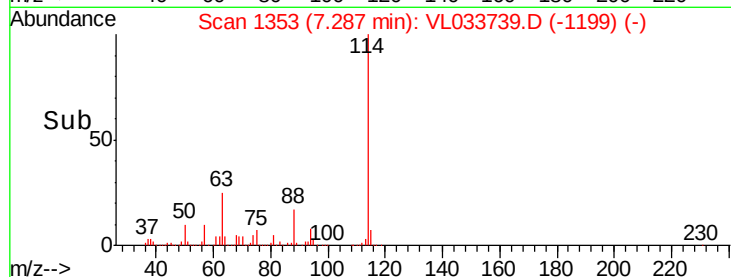
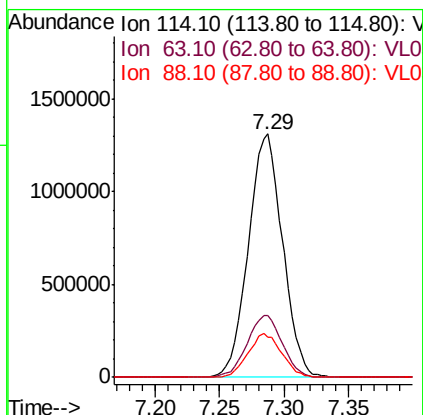
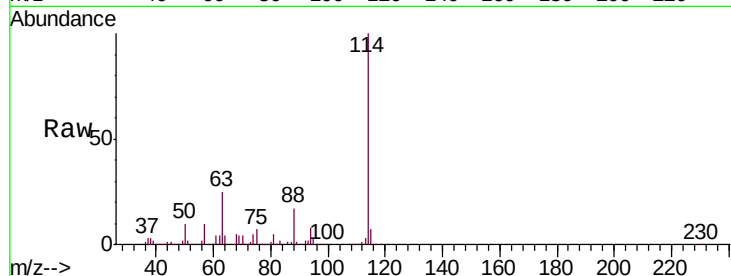




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: VL033739.D
 Acq: 22 May 2019 9:56

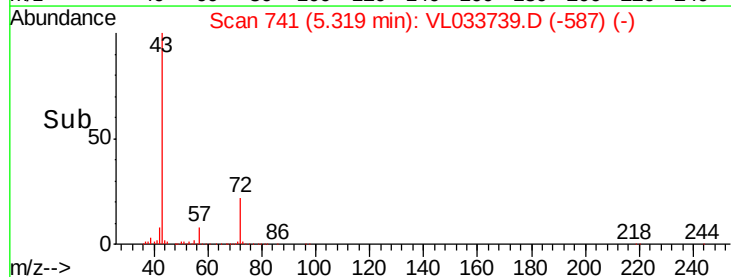
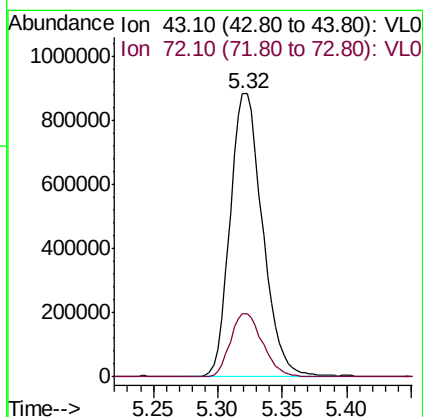
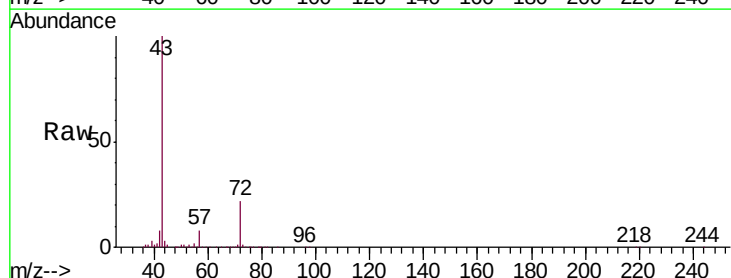
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

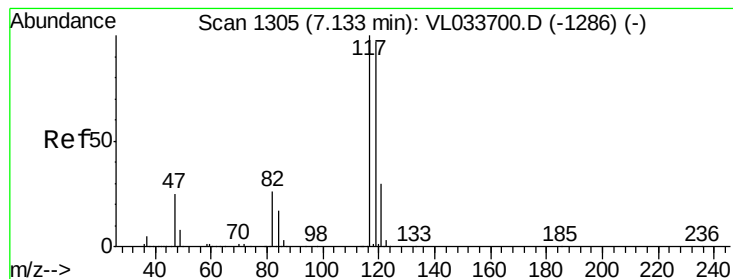
Tgt Ion:114 Resp: 2424133
 Ion Ratio Lower Upper
 114 100
 63 26.4 20.9 31.3
 88 17.8 14.3 21.5



#34
 2-Butanone
 Concen: 10.279 ppbv
 RT: 5.32 min Scan# 741
 Delta R.T. -0.01 min
 Lab File: VL033739.D
 Acq: 22 May 2019 9:56

Tgt Ion: 43 Resp: 1544572
 Ion Ratio Lower Upper
 43 100
 72 22.5 17.8 26.6





#35

Carbon Tetrachloride

Concen: 10.007 ppbv

RT: 7.13 min Scan# 1303

Delta R.T. -0.01 min

Lab File: VL033739.D

Acq: 22 May 2019 9:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

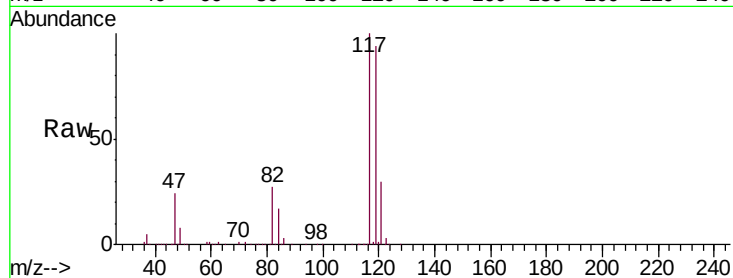
Tgt Ion:117 Resp: 1943130

Ion Ratio Lower Upper

117 100

119 93.6 77.2 115.8

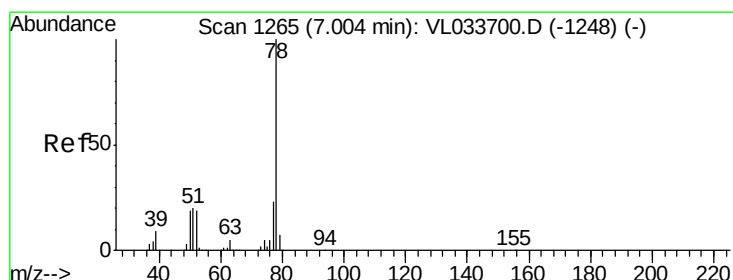
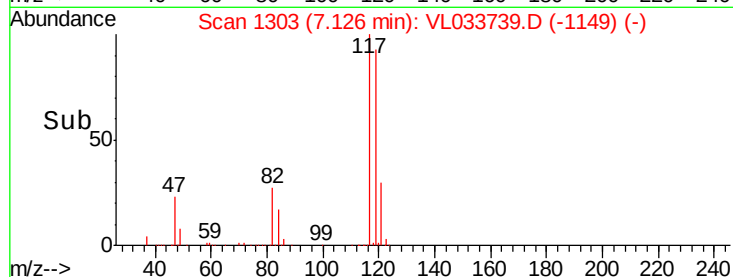
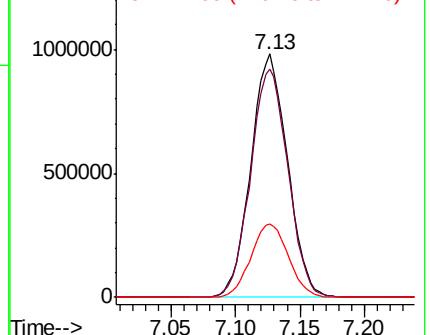
121 30.0 24.1 36.1



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: 9.586 ppbv

RT: 7.00 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VL033739.D

Acq: 22 May 2019 9:56

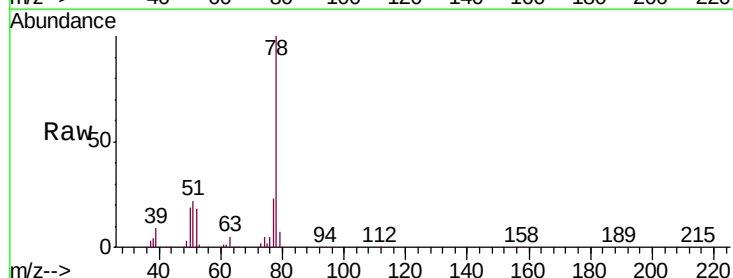
Tgt Ion: 78 Resp: 2113808

Ion Ratio Lower Upper

78 100

77 23.2 18.4 27.6

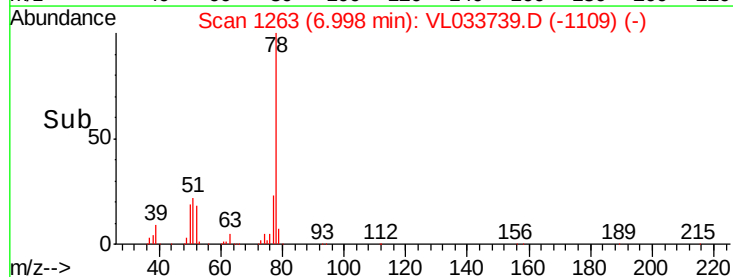
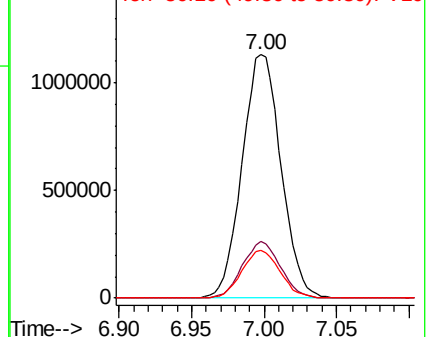
50 19.4 15.5 23.3

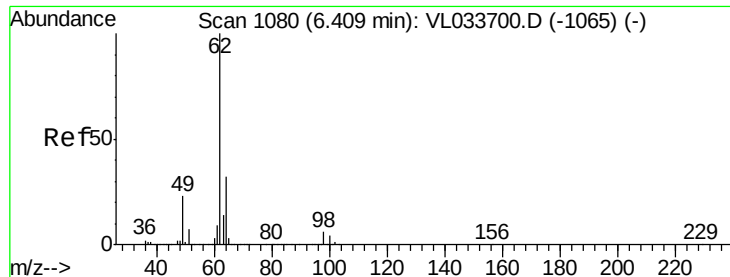


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

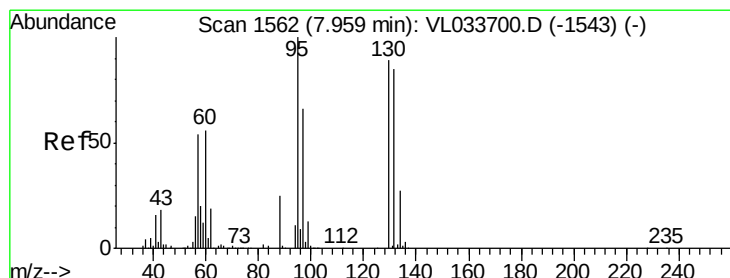
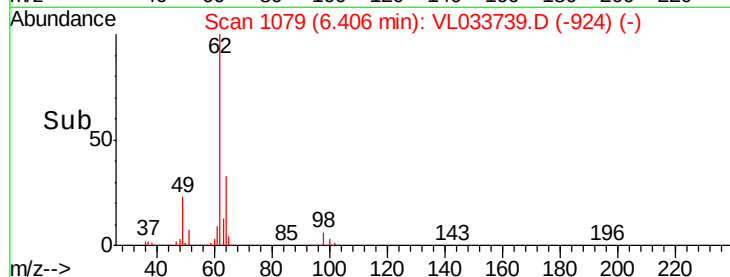
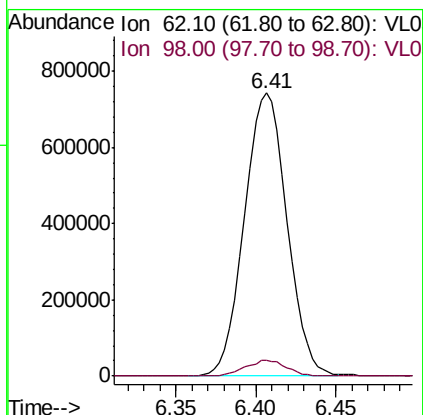
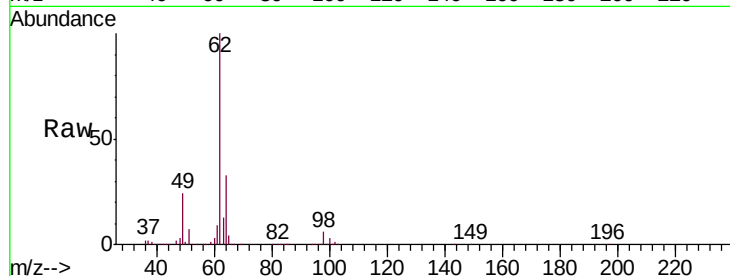




#37
 1,2-Dichloroethane
 Concen: 9.507 ppbv
 RT: 6.41 min Scan# 1079
 Delta R.T. -0.00 min
 Lab File: VL033739.D
 Acq: 22 May 2019 9:56

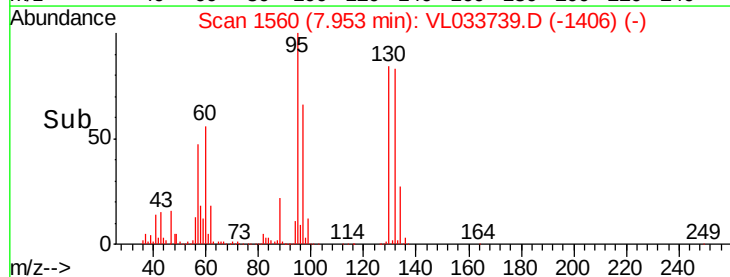
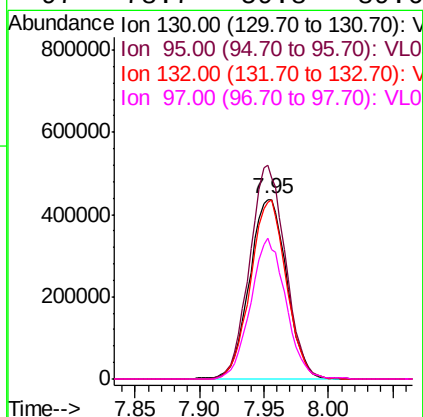
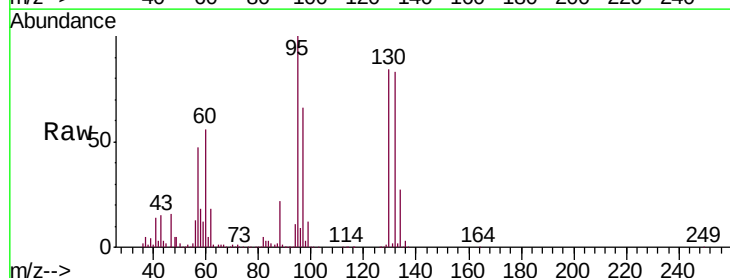
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

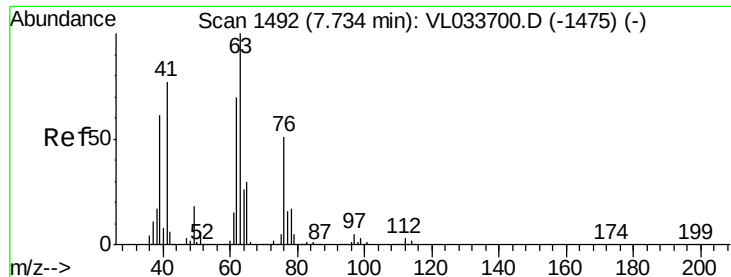
Tgt Ion: 62 Resp: 1352363
 Ion Ratio Lower Upper
 62 100
 98 5.5 4.5 6.7



#38
 Trichloroethene
 Concen: 10.788 ppbv
 RT: 7.95 min Scan# 1560
 Delta R.T. -0.01 min
 Lab File: VL033739.D
 Acq: 22 May 2019 9:56

Tgt Ion: 130 Resp: 882740
 Ion Ratio Lower Upper
 130 100
 95 118.9 90.2 135.4
 132 98.4 76.4 114.6
 97 78.7 59.8 89.6





#39

1,2-Dichloropropane

Concen: 9.687 ppbv

RT: 7.73 min Scan# 1490

Delta R.T. -0.01 min

Lab File: VL033739.D

Acq: 22 May 2019 9:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

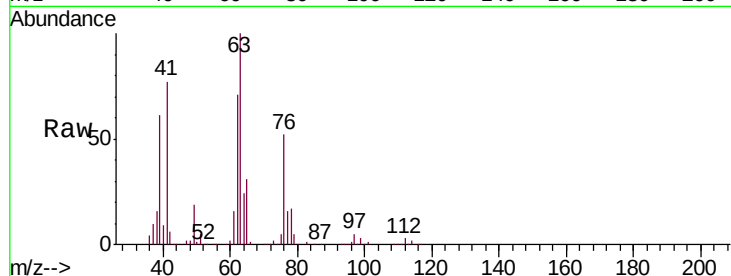
Tgt Ion: 63 Resp: 796386

Ion Ratio Lower Upper

63 100

41 76.6 61.5 92.3

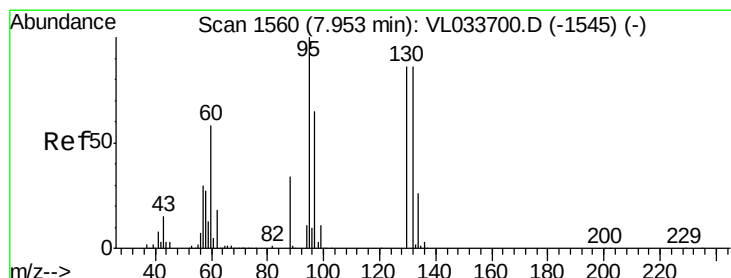
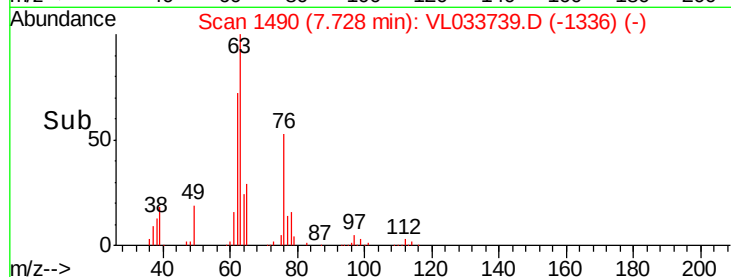
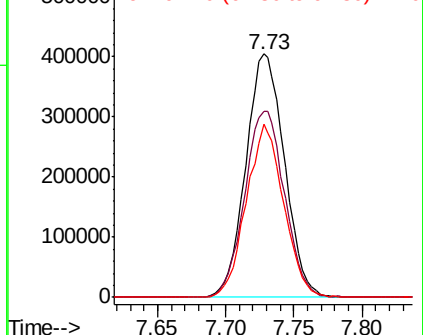
62 71.0 56.2 84.4



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 8.558 ppbv

RT: 7.95 min Scan# 1558

Delta R.T. -0.01 min

Lab File: VL033739.D

Acq: 22 May 2019 9:56

Tgt Ion: 88 Resp: 294332

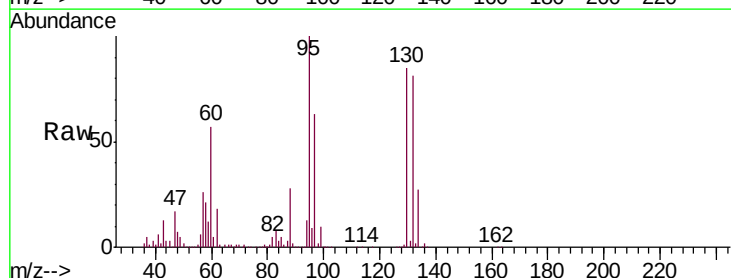
Ion Ratio Lower Upper

88 100

58 131.9 101.8 152.6

43 269.5 0.0 0.0#

57 1219.8 0.0 0.0#

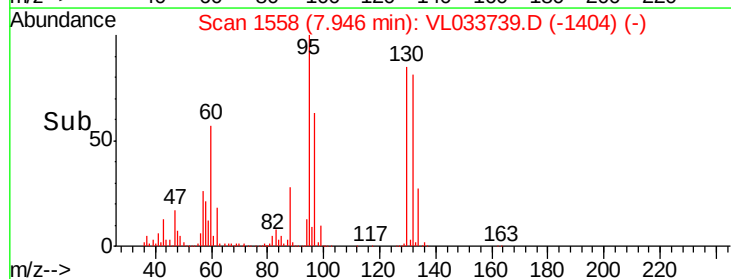
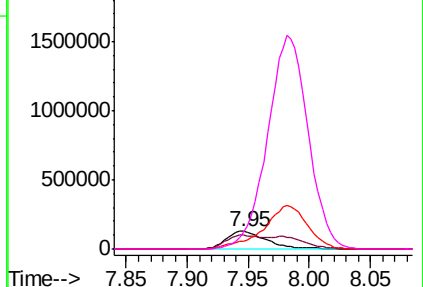


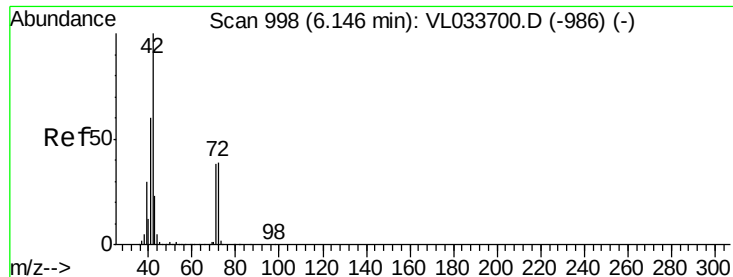
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 10.114 ppbv

RT: 6.14 min Scan# 995

Delta R.T. -0.01 min

Lab File: VL033739.D

Acq: 22 May 2019 9:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

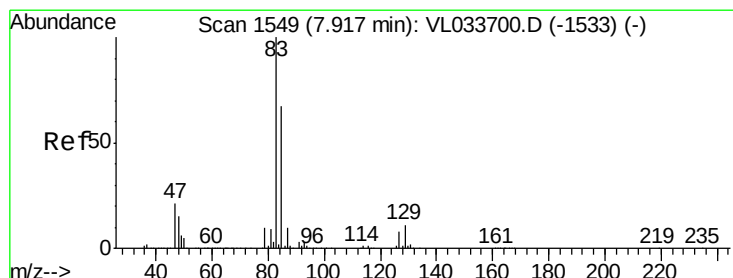
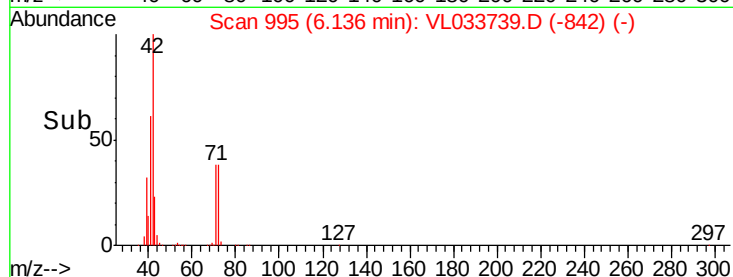
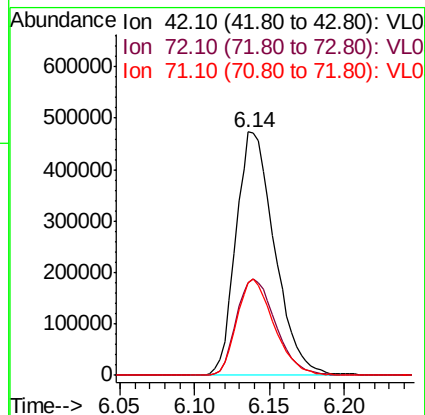
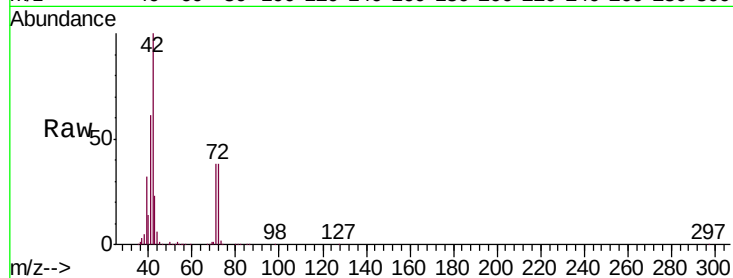
Tgt Ion: 42 Resp: 851455

Ion Ratio Lower Upper

42 100

72 40.3 32.0 48.0

71 38.4 30.4 45.6



#42

Bromodichloromethane

Concen: 9.997 ppbv

RT: 7.91 min Scan# 1547

Delta R.T. -0.01 min

Lab File: VL033739.D

Acq: 22 May 2019 9:56

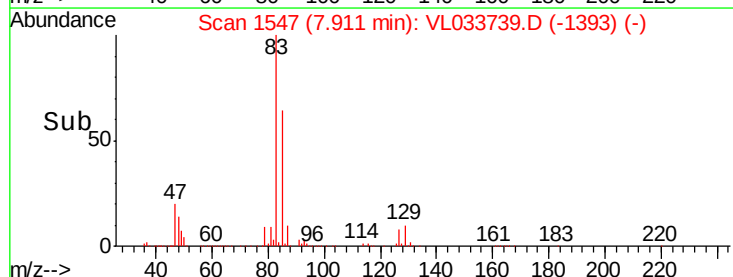
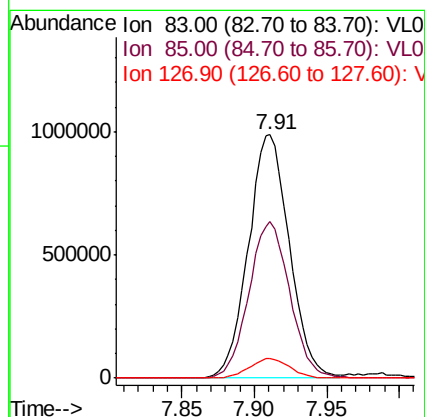
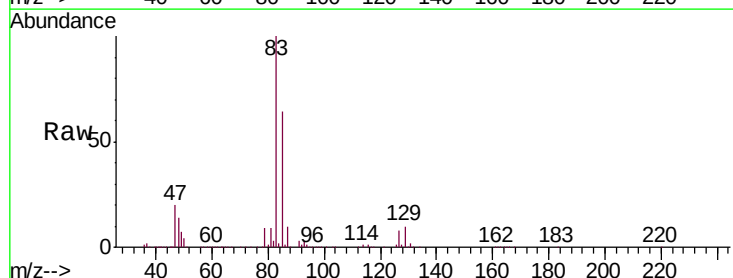
Tgt Ion: 83 Resp: 1946735

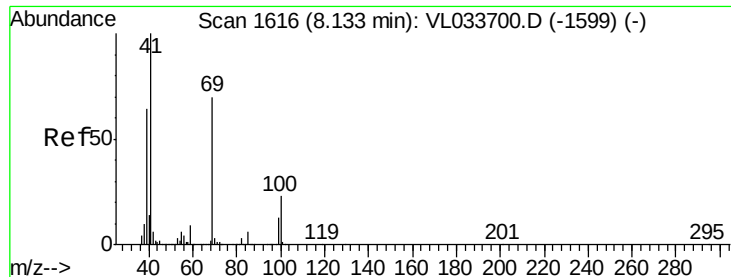
Ion Ratio Lower Upper

83 100

85 64.2 53.3 79.9

127 7.8 6.5 9.7

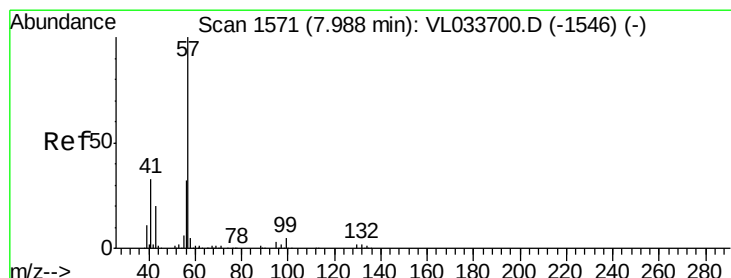
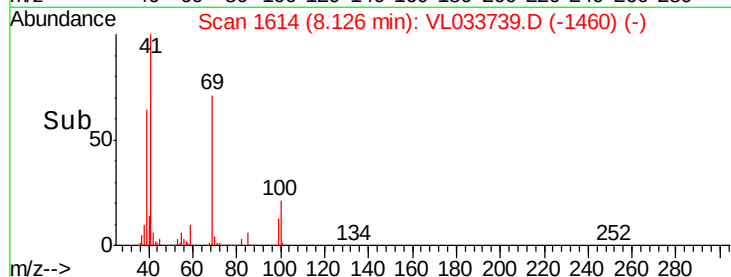
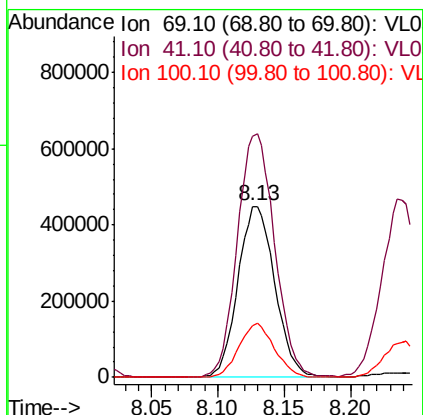
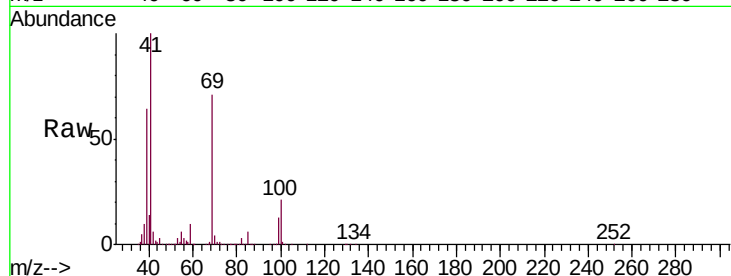




#43
Methyl Methacrylate
Concen: 10.675 ppbv
RT: 8.13 min Scan# 1614
Delta R.T. -0.01 min
Lab File: VL033739.D
Acq: 22 May 2019 9:56

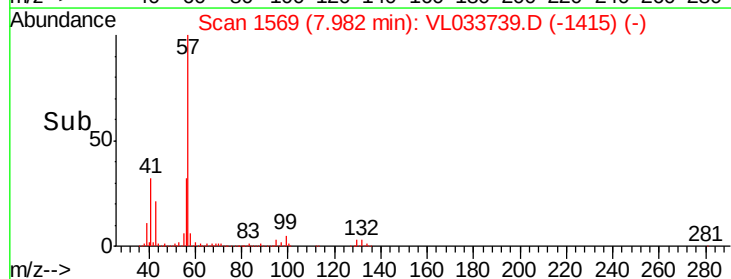
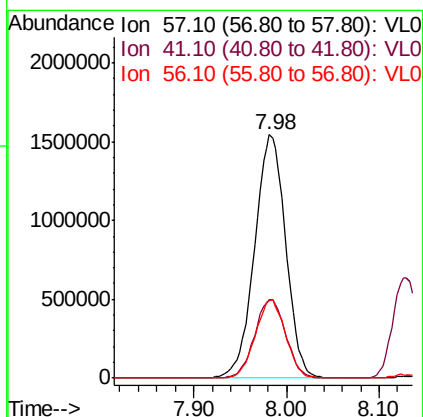
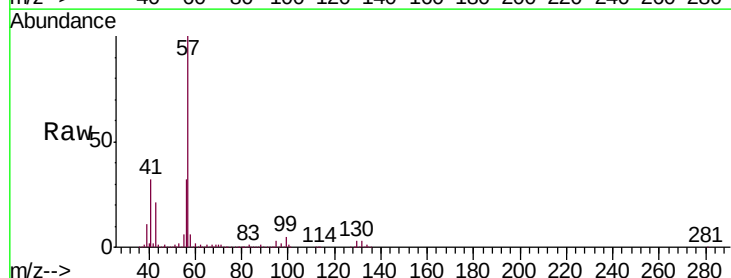
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

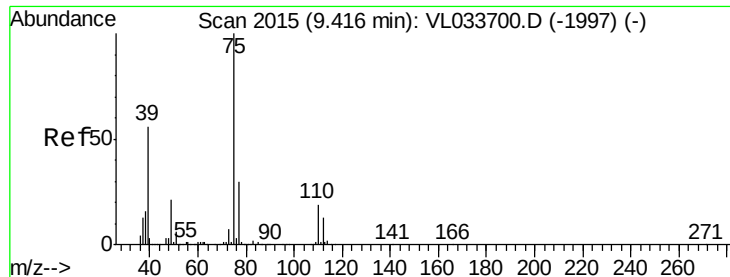
Tgt Ion: 69 Resp: 866263
Ion Ratio Lower Upper
69 100
41 144.1 116.3 174.5
100 30.4 25.3 37.9



#44
2,2,4-Trimethylpentane
Concen: 9.625 ppbv
RT: 7.98 min Scan# 1569
Delta R.T. -0.01 min
Lab File: VL033739.D
Acq: 22 May 2019 9:56

Tgt Ion: 57 Resp: 3587055
Ion Ratio Lower Upper
57 100
41 32.3 25.4 38.0
56 31.3 24.7 37.1





#45

t-1,3-Dichloropropene

Concen: 11.583 ppbv

RT: 9.41 min Scan# 2012

Delta R.T. -0.01 min

Lab File: VL033739.D

Acq: 22 May 2019 9:56

Instrument :

MSVOA_L

ClientSampleId :

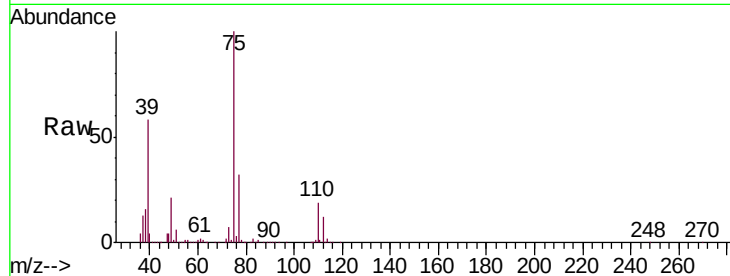
VSTDCCC010

Tgt Ion: 75 Resp: 1191673

Ion Ratio Lower Upper

75 100

77 31.6 24.4 36.6



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.41

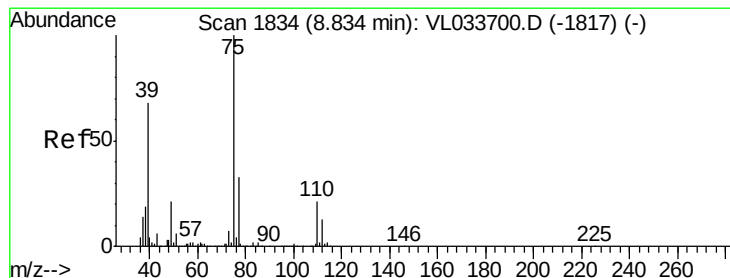
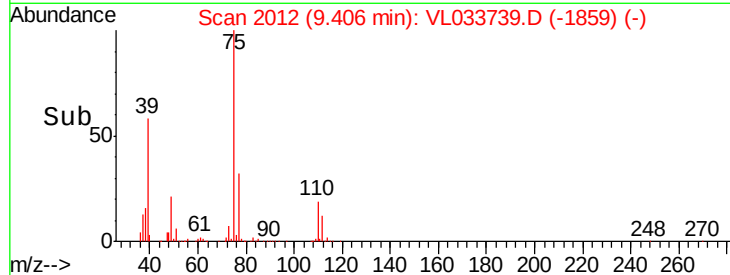
600000

400000

200000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 10.962 ppbv

RT: 8.83 min Scan# 1832

Delta R.T. -0.01 min

Lab File: VL033739.D

Acq: 22 May 2019 9:56

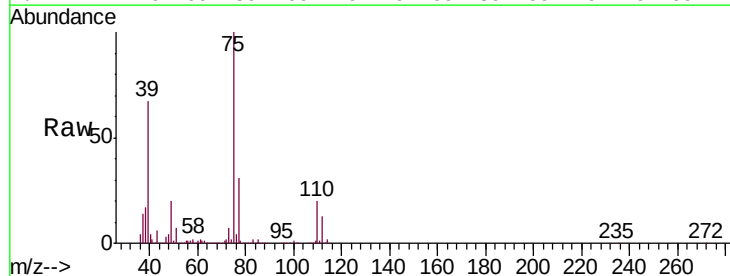
Tgt Ion: 75 Resp: 1320550

Ion Ratio Lower Upper

75 100

39 67.2 54.4 81.6

77 31.4 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

800000

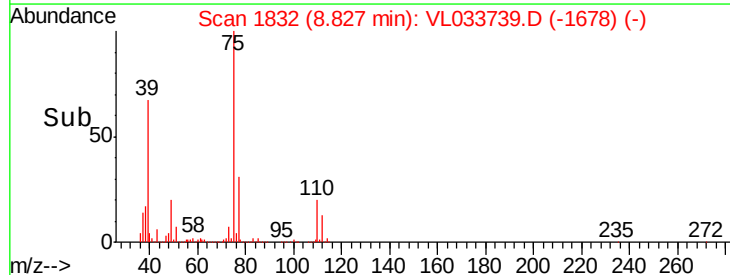
600000

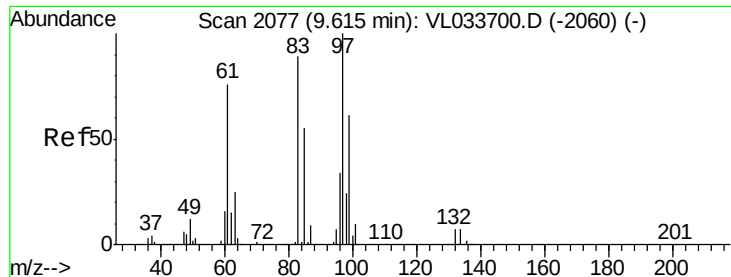
400000

200000

0

Time-->

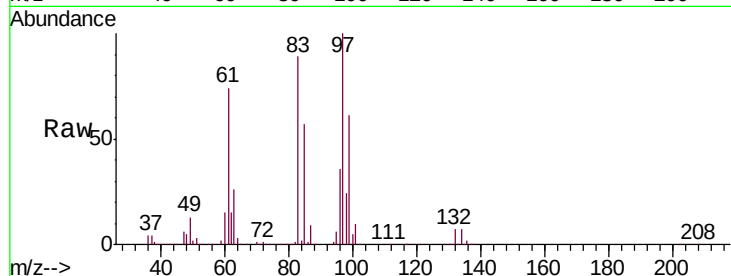




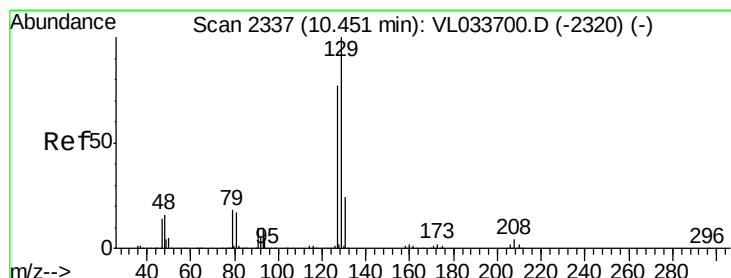
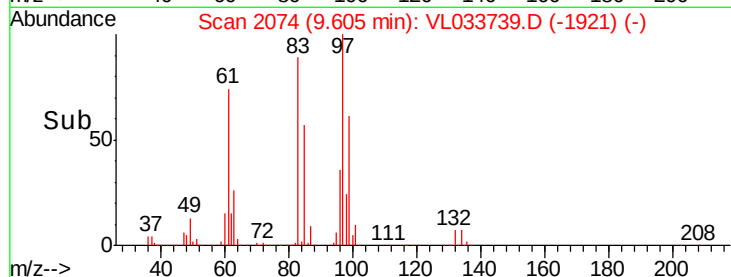
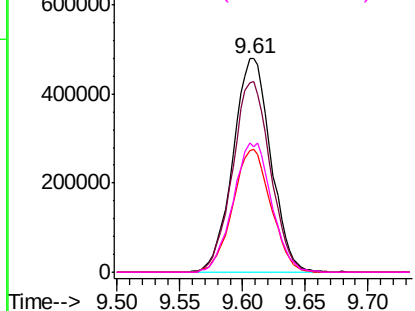
#47
 1,1,2-Trichloroethane
 Concen: 10.787 ppbv
 RT: 9.61 min Scan# 2074
 Delta R.T. -0.01 min
 Lab File: VL033739.D
 Acq: 22 May 2019 9:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 97 Resp: 1007455
 Ion Ratio Lower Upper
 97 100
 83 88.5 70.8 106.2
 85 57.0 43.7 65.5
 99 60.7 48.7 73.1

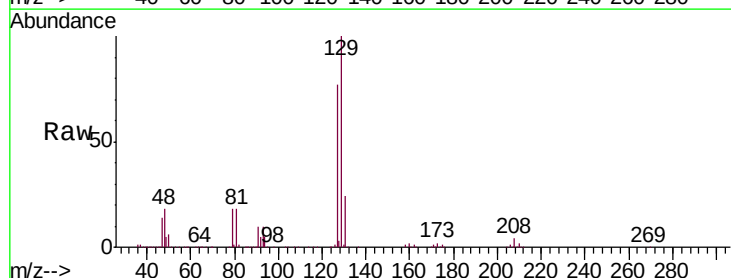


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

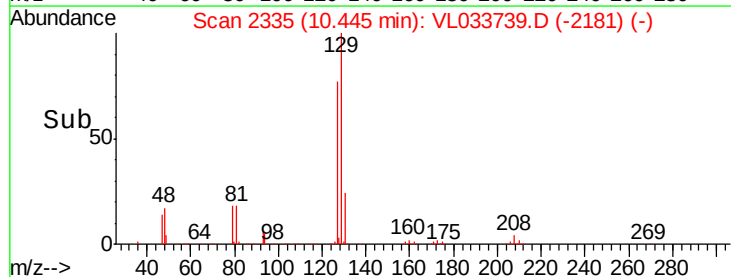
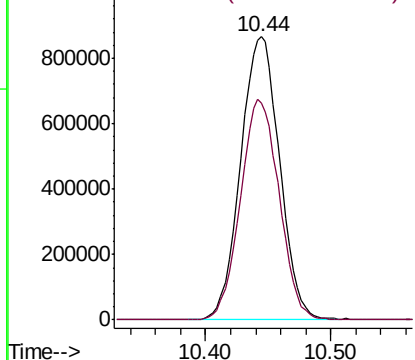


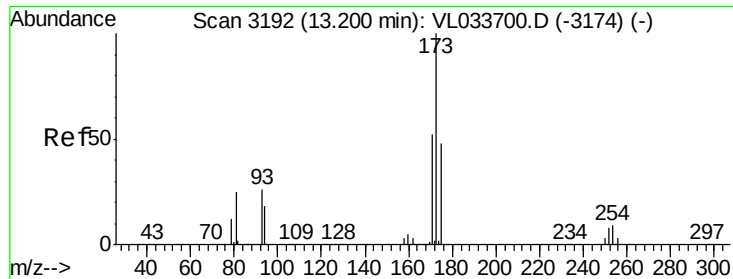
#48
 Dibromochloromethane
 Concen: 11.551 ppbv
 RT: 10.44 min Scan# 2335
 Delta R.T. -0.01 min
 Lab File: VL033739.D
 Acq: 22 May 2019 9:56

Tgt Ion: 129 Resp: 1869196
 Ion Ratio Lower Upper
 129 100
 127 77.7 38.6 116.0



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 12.287 ppbv

RT: 13.19 min Scan# 3190

Delta R.T. -0.01 min

Lab File: VL033739.D

Acq: 22 May 2019 9:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

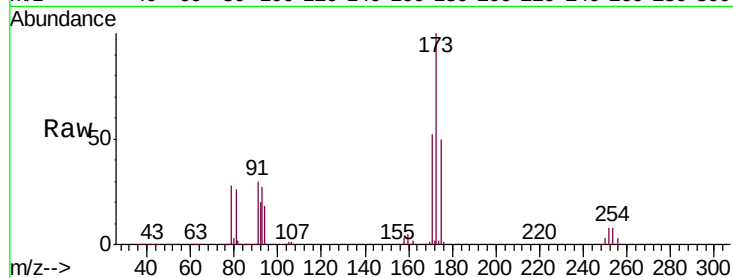
Tgt Ion:173 Resp: 1673098

Ion Ratio Lower Upper

173 100

175 49.0 38.6 58.0

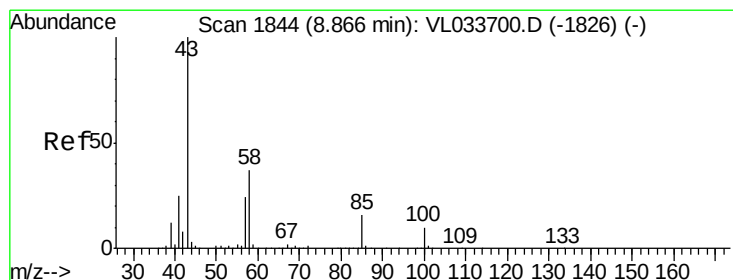
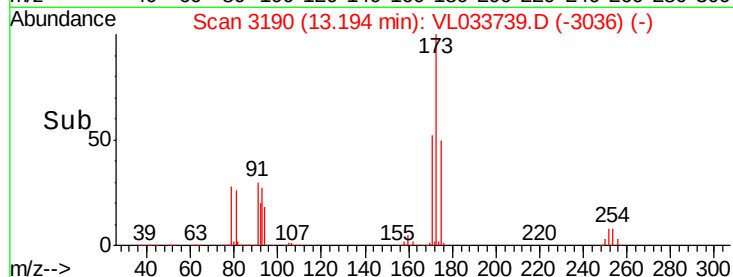
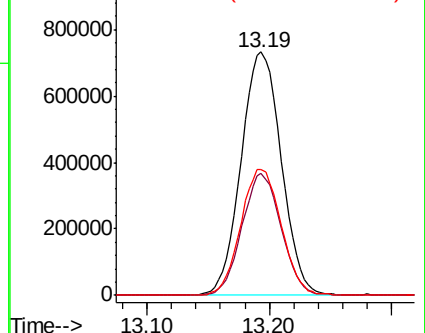
171 52.1 41.5 62.3



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: 10.042 ppbv

RT: 8.86 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VL033739.D

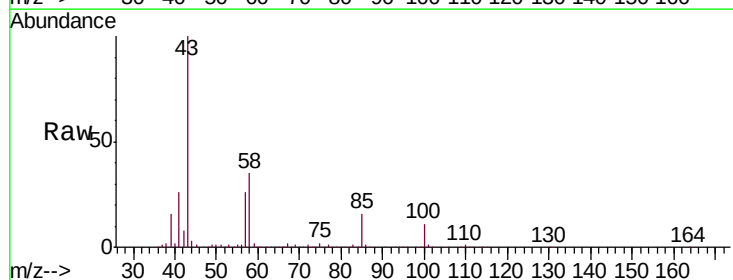
Acq: 22 May 2019 9:56

Tgt Ion: 43 Resp: 2320962

Ion Ratio Lower Upper

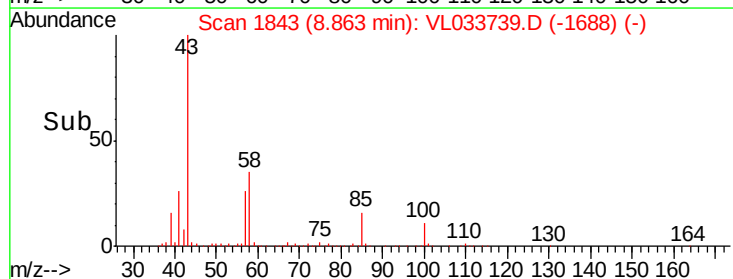
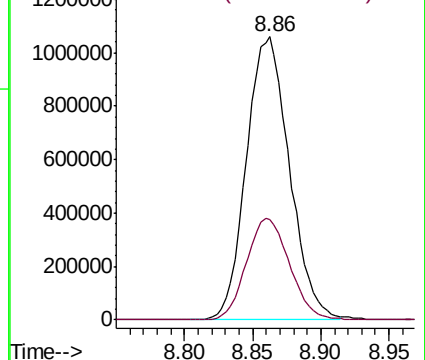
43 100

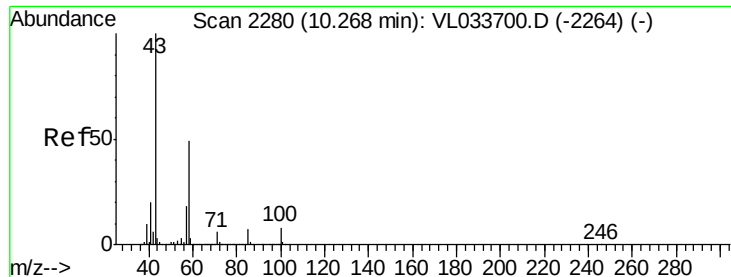
58 36.1 28.6 43.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

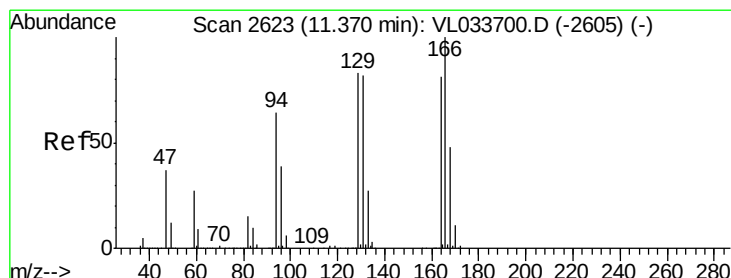
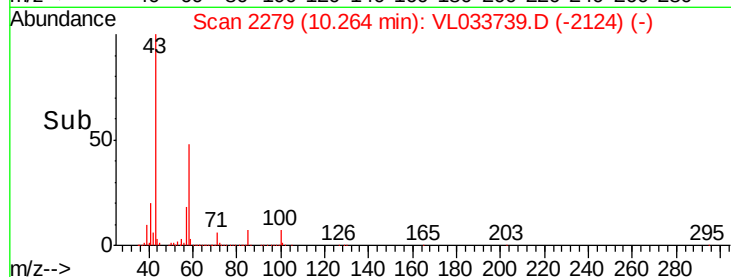
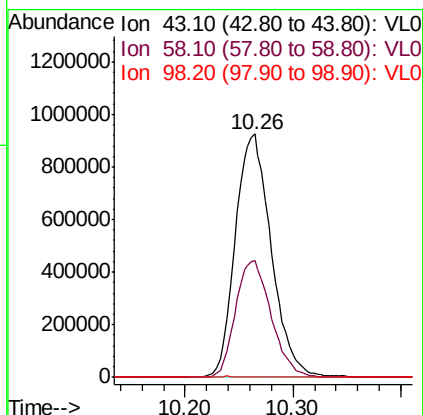
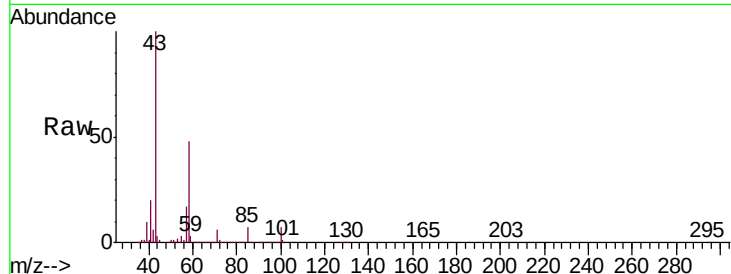




#51
2-Hexanone
Concen: 11.874 ppbv
RT: 10.26 min Scan# 2279
Delta R.T. -0.00 min
Lab File: VL033739.D
Acq: 22 May 2019 9:56

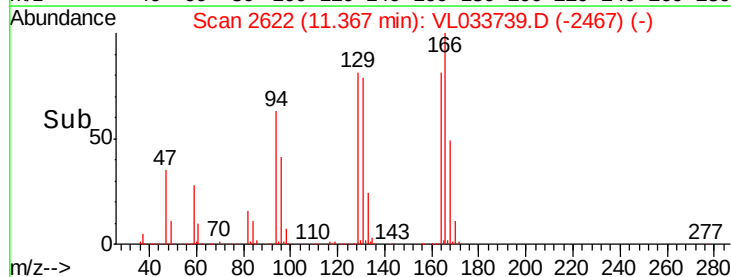
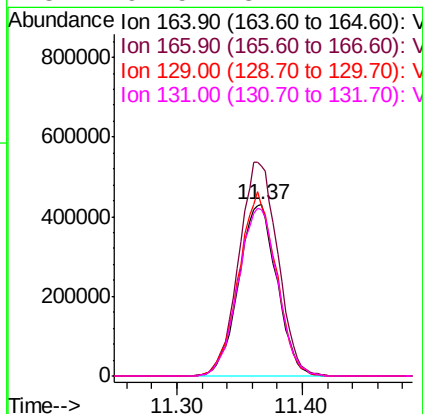
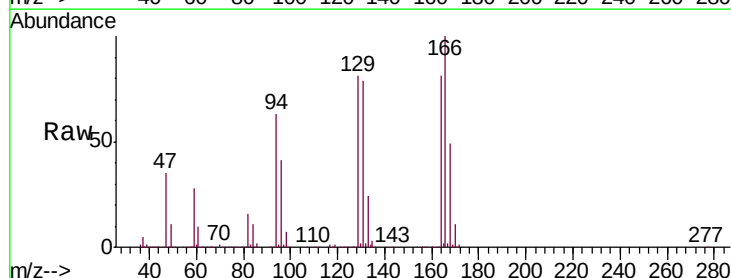
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

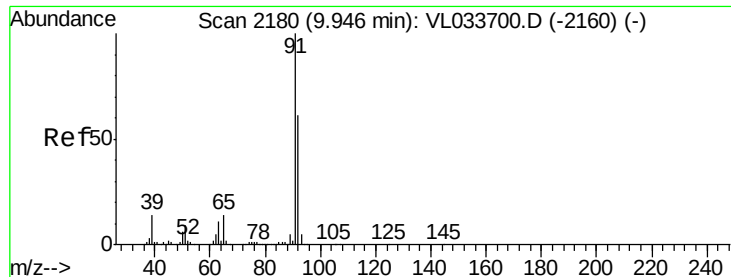
Tgt Ion: 43 Resp: 2141802
Ion Ratio Lower Upper
43 100
58 47.9 38.7 58.1
98 0.1 0.2 0.4#



#52
Tetrachloroethene
Concen: 11.731 ppbv
RT: 11.37 min Scan# 2622
Delta R.T. -0.00 min
Lab File: VL033739.D
Acq: 22 May 2019 9:56

Tgt Ion: 164 Resp: 909336
Ion Ratio Lower Upper
164 100
166 122.9 98.9 148.3
129 99.3 81.8 122.6
131 97.5 81.1 121.7





#53

Toluene

Concen: 11.715 ppbv

RT: 9.94 min Scan# 2178

Delta R.T. -0.01 min

Lab File: VL033739.D

Acq: 22 May 2019 9:56

Instrument :

MSVOA_L

ClientSampleId :

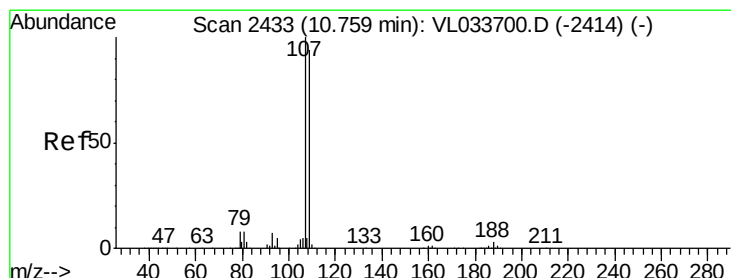
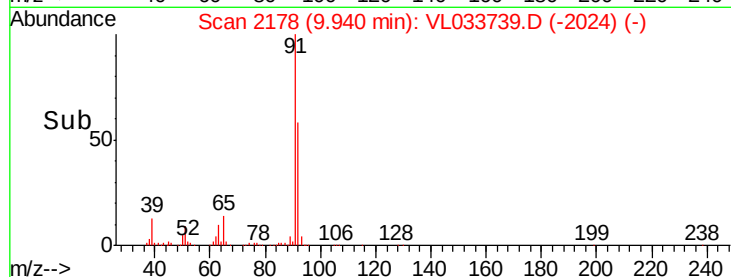
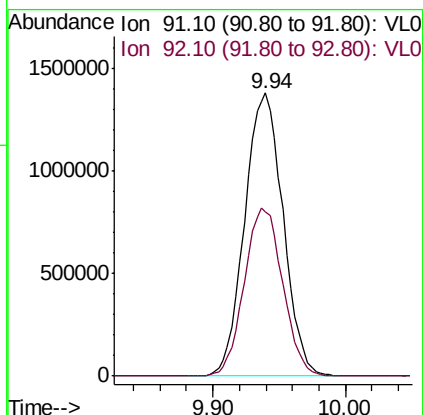
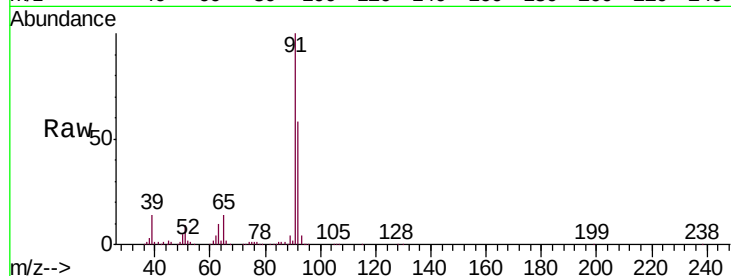
VSTDCCC010

Tgt Ion: 91 Resp: 2786284

Ion Ratio Lower Upper

91 100

92 59.6 47.6 71.4



#54

1,2-Dibromoethane

Concen: 11.132 ppbv

RT: 10.75 min Scan# 2430

Delta R.T. -0.01 min

Lab File: VL033739.D

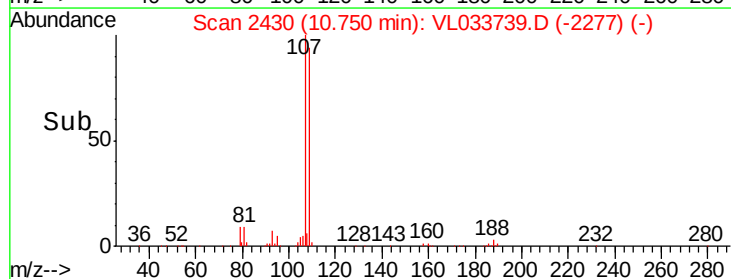
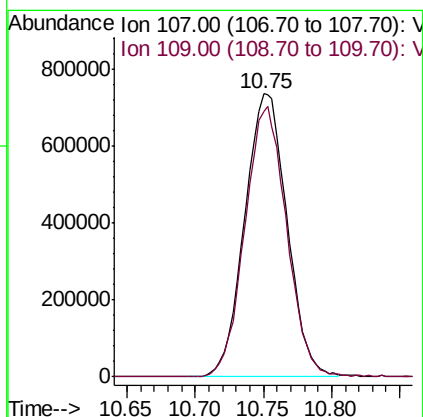
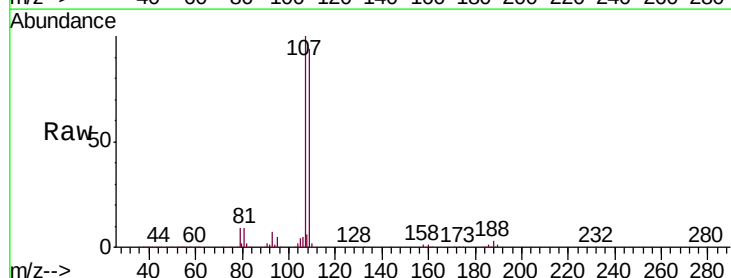
Acq: 22 May 2019 9:56

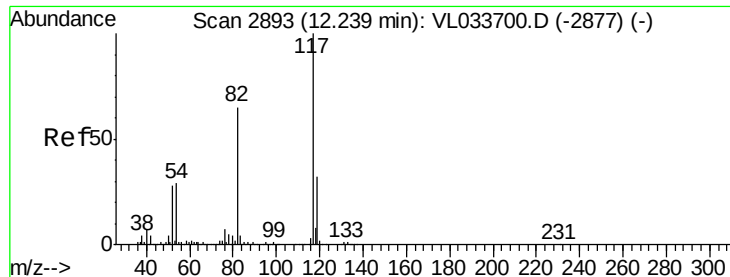
Tgt Ion: 107 Resp: 1586604

Ion Ratio Lower Upper

107 100

109 93.8 75.2 112.8

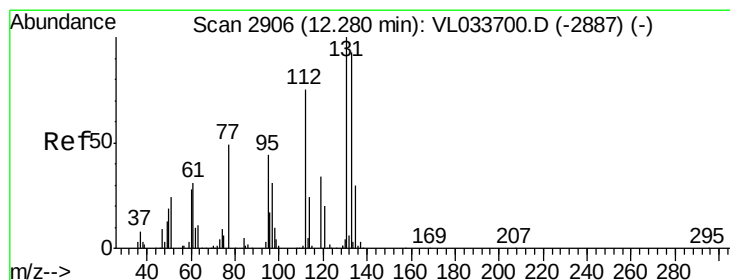
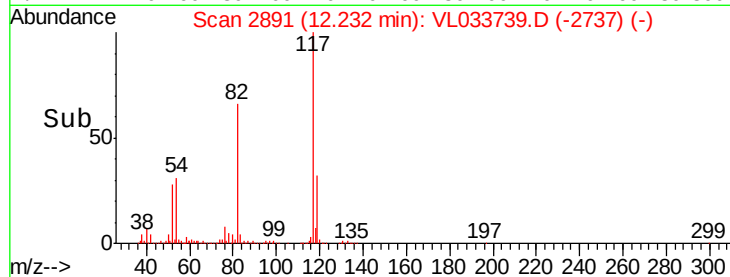
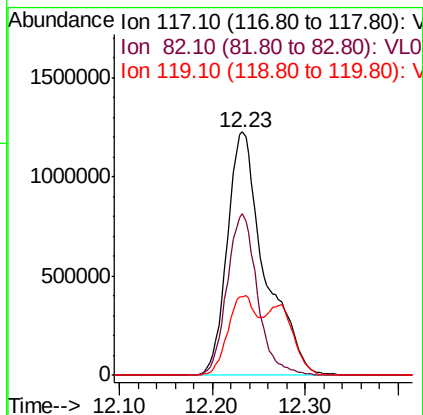
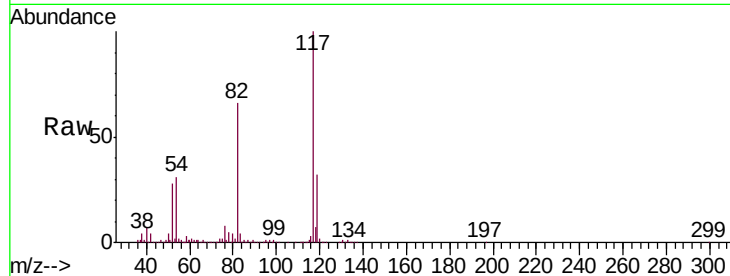




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2891
Delta R.T. -0.01 min
Lab File: VL033739.D
Acq: 22 May 2019 9:56

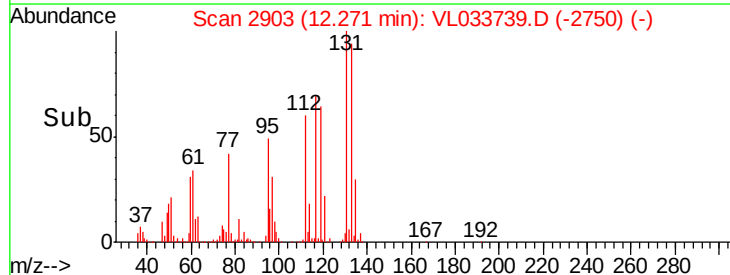
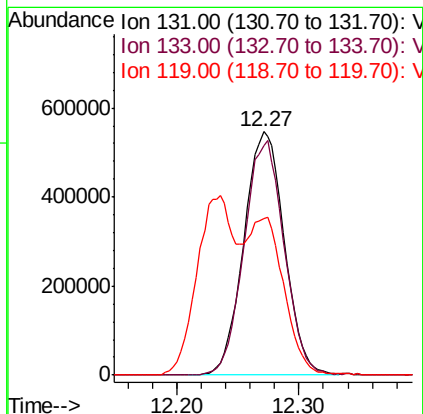
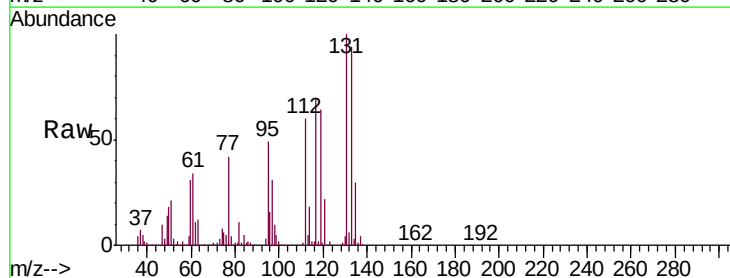
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

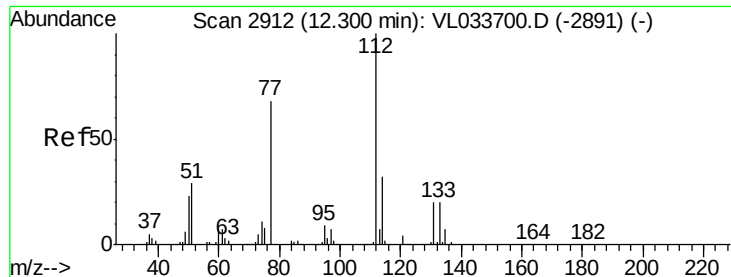
Tgt Ion:117 Resp: 3457039
Ion Ratio Lower Upper
117 100
82 54.0 49.4 74.0
119 28.7 24.9 37.3



#56
1,1,1,2-Tetrachloroethane
Concen: 7.819 ppbv
RT: 12.27 min Scan# 2903
Delta R.T. -0.01 min
Lab File: VL033739.D
Acq: 22 May 2019 9:56

Tgt Ion:131 Resp: 1250859
Ion Ratio Lower Upper
131 100
133 95.3 76.6 114.8
119 51.8 49.0 73.4

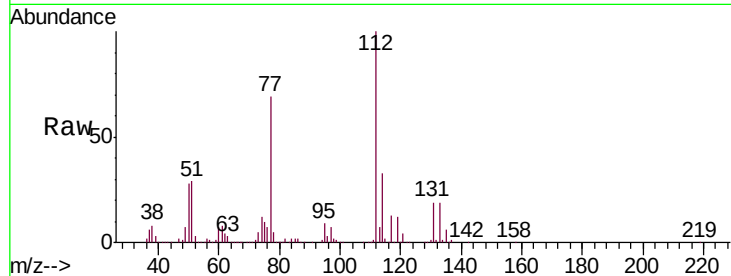




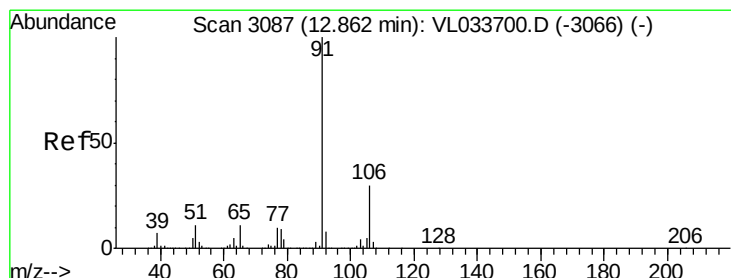
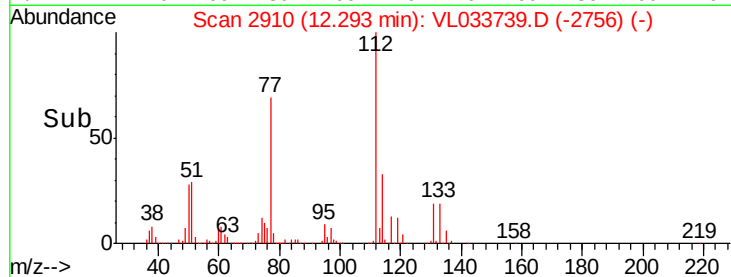
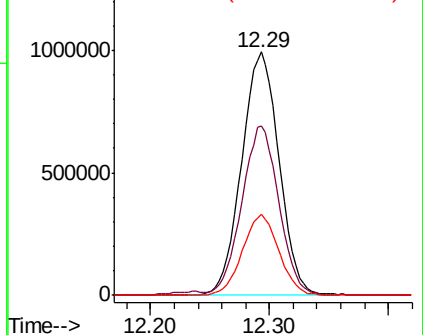
#57
Chlorobenzene
Concen: 7.578 ppbv
RT: 12.29 min Scan# 2910
Delta R.T. -0.01 min
Lab File: VL033739.D
Acq: 22 May 2019 9:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 112 Resp: 2156499
Ion Ratio Lower Upper
112 100
77 69.1 55.4 83.0
114 33.2 29.3 35.8

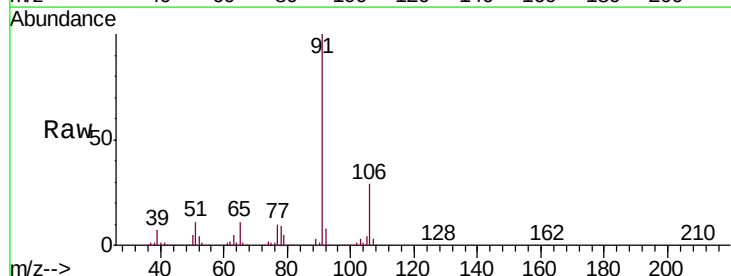


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

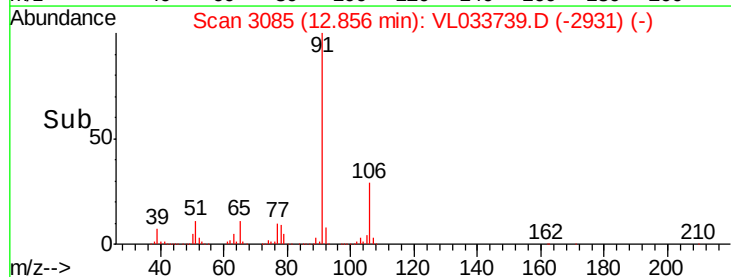
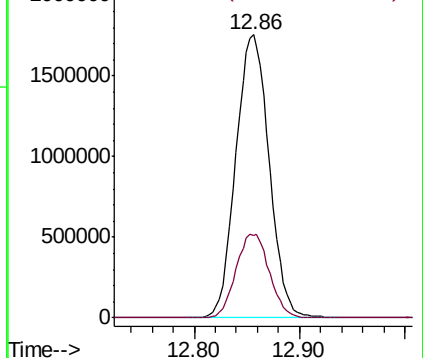


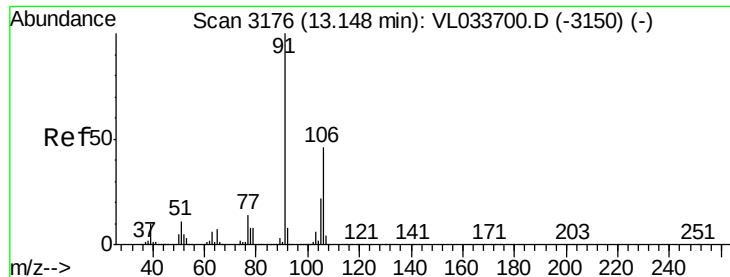
#58
Ethyl Benzene
Concen: 8.415 ppbv
RT: 12.86 min Scan# 3085
Delta R.T. -0.01 min
Lab File: VL033739.D
Acq: 22 May 2019 9:56

Tgt Ion: 91 Resp: 3852576
Ion Ratio Lower Upper
91 100
106 29.2 23.9 35.9



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

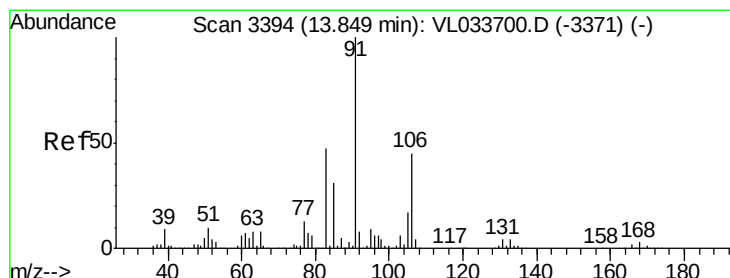
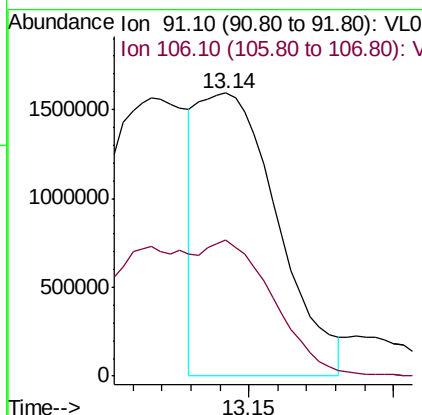
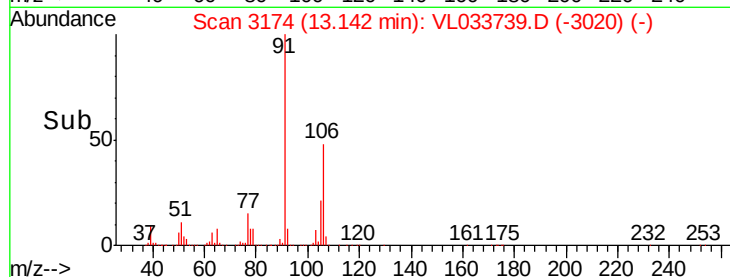
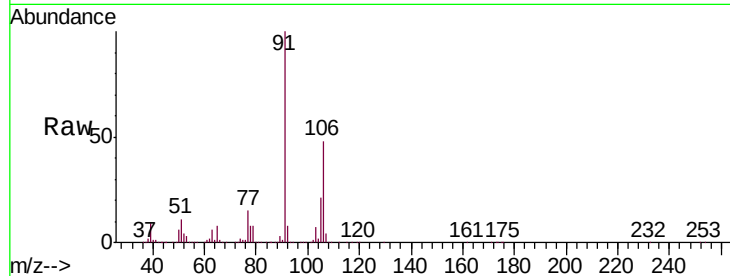




#59
m/p-Xylene
Concen: 7.574 ppbv
RT: 13.14 min Scan# 3174
Delta R.T. -0.01 min
Lab File: VL033739.D
Acq: 22 May 2019 9:56

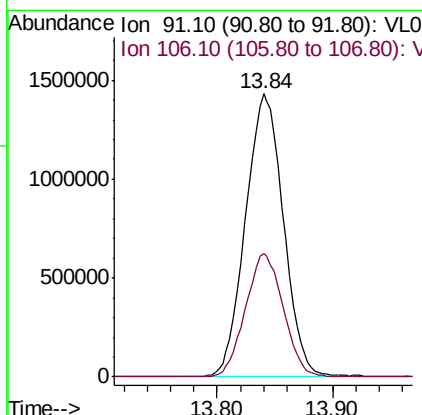
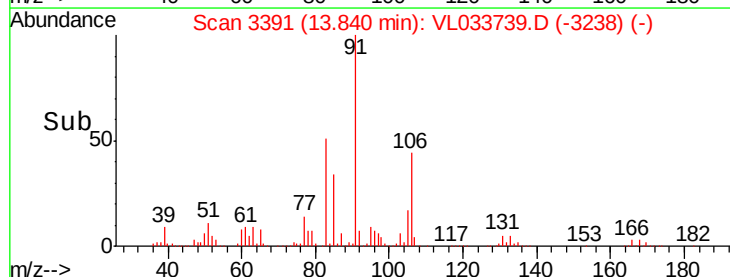
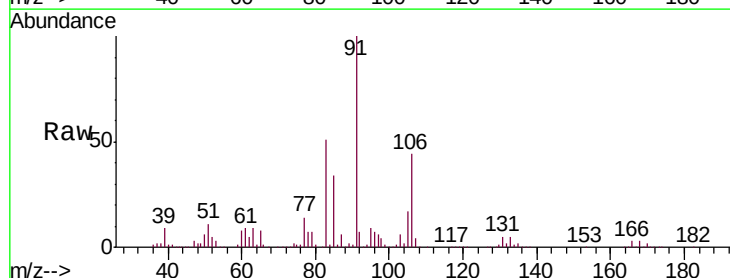
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

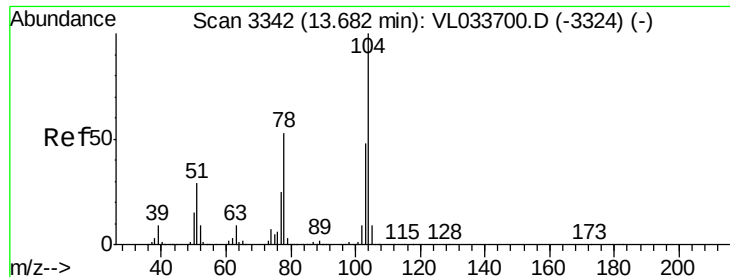
Tgt Ion: 91 Resp: 3030942
Ion Ratio Lower Upper
91 100
106 95.9 35.8 53.6#



#60
o-Xylene
Concen: 8.080 ppbv
RT: 13.84 min Scan# 3391
Delta R.T. -0.01 min
Lab File: VL033739.D
Acq: 22 May 2019 9:56

Tgt Ion: 91 Resp: 3259734
Ion Ratio Lower Upper
91 100
106 43.7 21.6 64.8

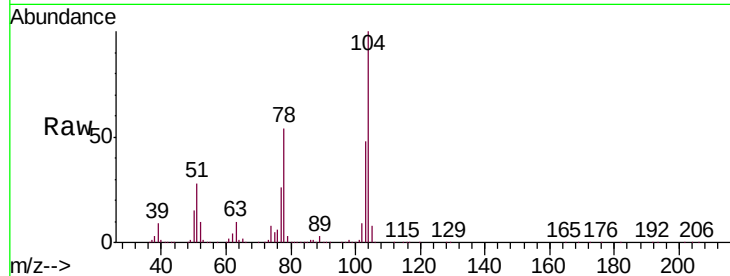




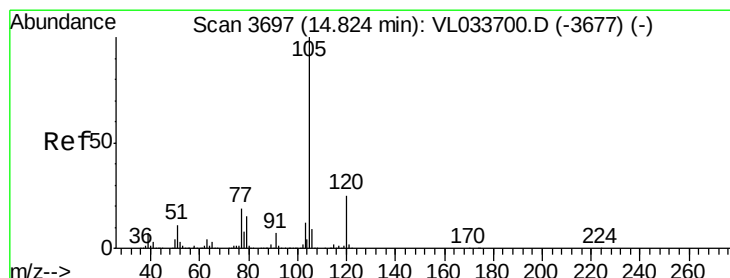
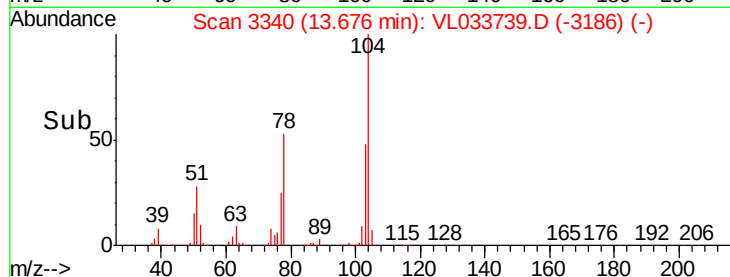
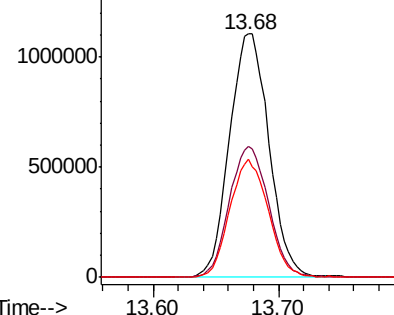
#61
 Styrene
 Concen: 8.896 ppbv
 RT: 13.68 min Scan# 3340
 Delta R.T. -0.01 min
 Lab File: VL033739.D
 Acq: 22 May 2019 9:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:104 Resp: 2416221
 Ion Ratio Lower Upper
 104 100
 78 53.7 42.6 64.0
 103 47.4 37.8 56.6

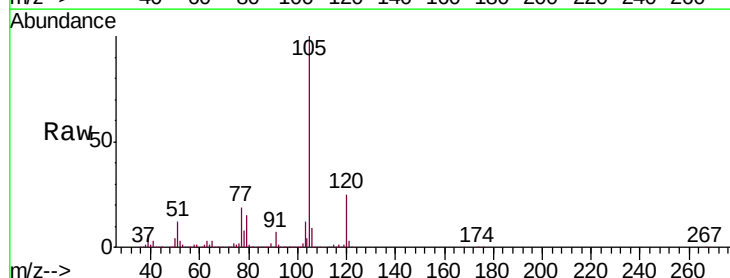


Abundance Ion 104.10 (103.80 to 104.80): V
 1500000 Ion 78.10 (77.80 to 78.80): VL0
 Ion 103.10 (102.80 to 103.80): V

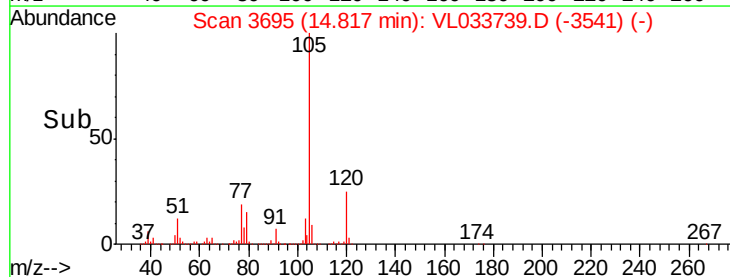
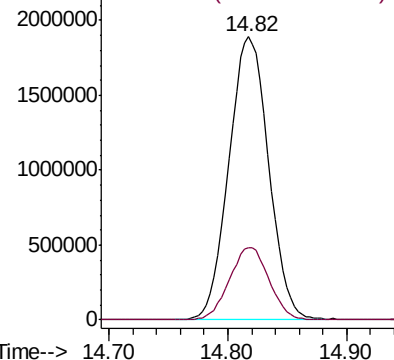


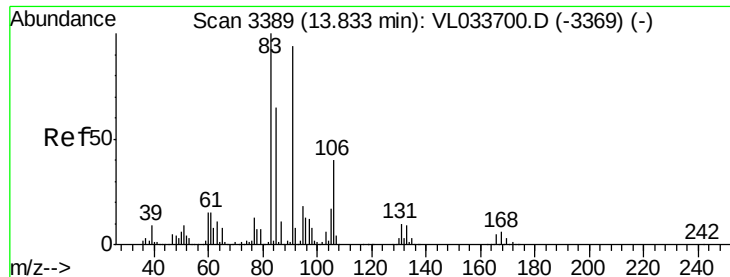
#62
 Isopropylbenzene
 Concen: 8.056 ppbv
 RT: 14.82 min Scan# 3695
 Delta R.T. -0.01 min
 Lab File: VL033739.D
 Acq: 22 May 2019 9:56

Tgt Ion:105 Resp: 4376530
 Ion Ratio Lower Upper
 105 100
 120 25.5 20.1 30.1



Abundance Ion 105.10 (104.80 to 105.80): V
 2000000 Ion 120.20 (119.90 to 120.90): V

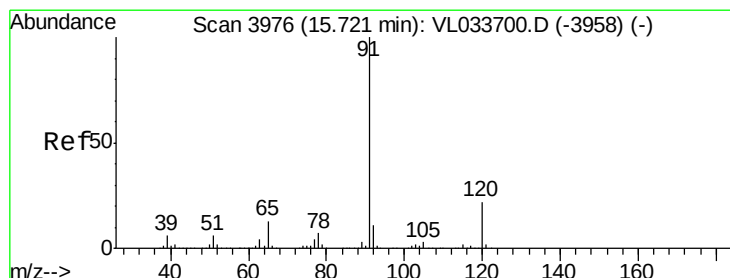
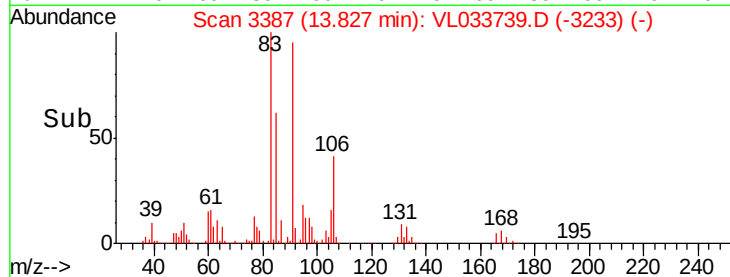
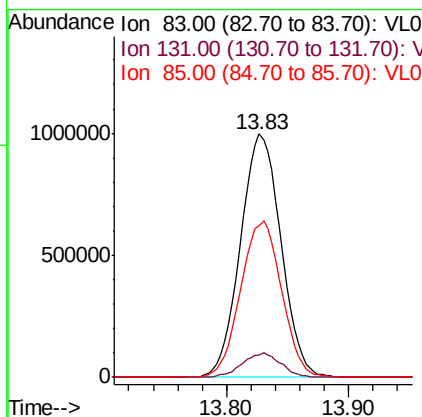
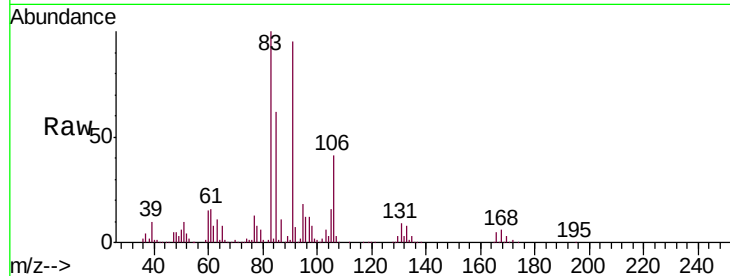




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.793 ppbv
 RT: 13.83 min Scan# 3387
 Delta R.T. -0.01 min
 Lab File: VL033739.D
 Acq: 22 May 2019 9:56

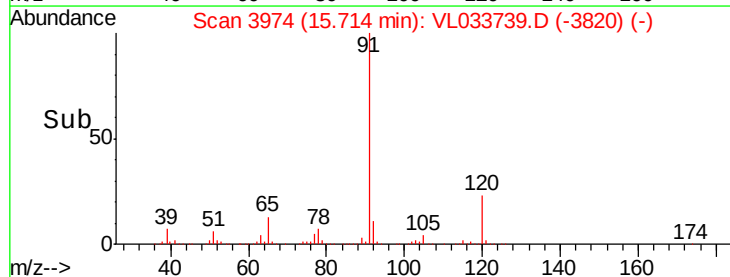
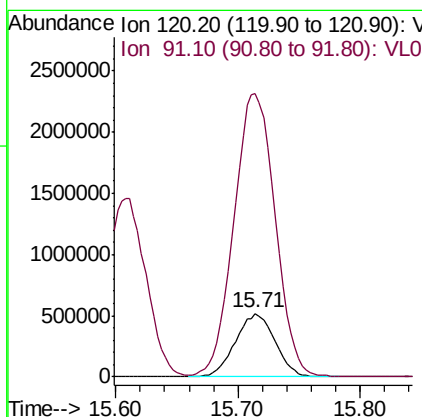
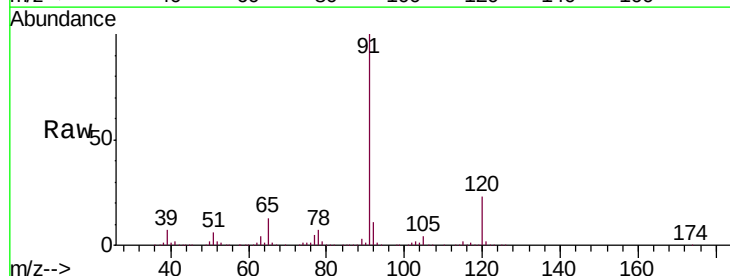
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

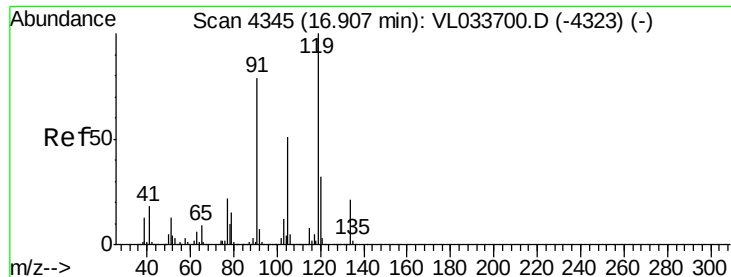
Tgt Ion: 83 Resp: 2286099
 Ion Ratio Lower Upper
 83 100
 131 9.6 4.8 14.3
 85 65.2 32.3 96.9



#64
 n-propylbenzene
 Concen: 8.253 ppbv
 RT: 15.71 min Scan# 3974
 Delta R.T. -0.01 min
 Lab File: VL033739.D
 Acq: 22 May 2019 9:56

Tgt Ion: 120 Resp: 1159818
 Ion Ratio Lower Upper
 120 100
 91 468.6 379.1 568.7





#65

tert-Butylbenzene

Concen: 8.087 ppbv

RT: 16.90 min Scan# 4343

Delta R.T. -0.01 min

Lab File: VL033739.D

Acq: 22 May 2019 9:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

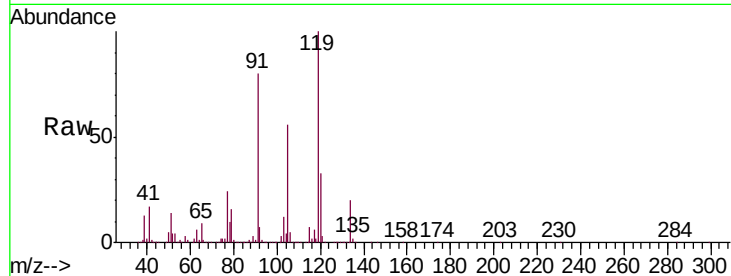
Tgt Ion: 119 Resp: 4011558

Ion Ratio Lower Upper

119 100

91 82.6 65.3 97.9

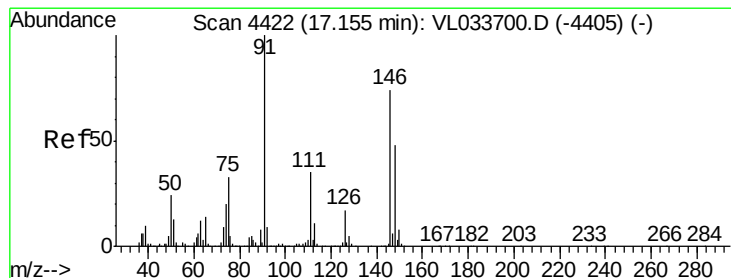
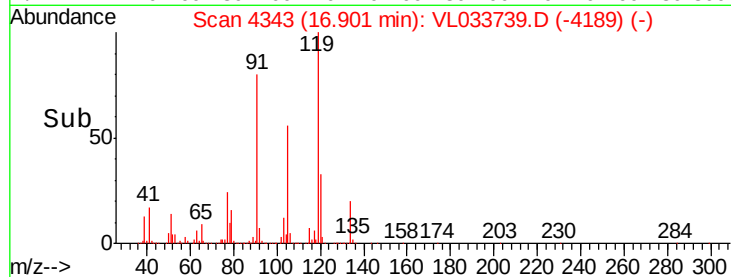
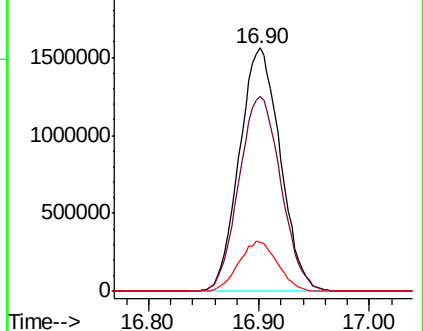
134 19.5 15.7 23.5



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: 8.905 ppbv

RT: 17.15 min Scan# 4420

Delta R.T. -0.01 min

Lab File: VL033739.D

Acq: 22 May 2019 9:56

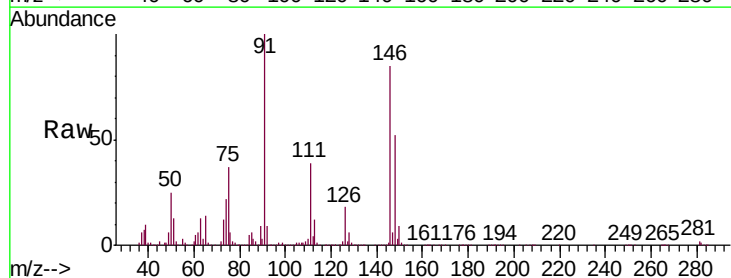
Tgt Ion: 91 Resp: 2103842

Ion Ratio Lower Upper

91 100

126 17.1 13.5 20.3

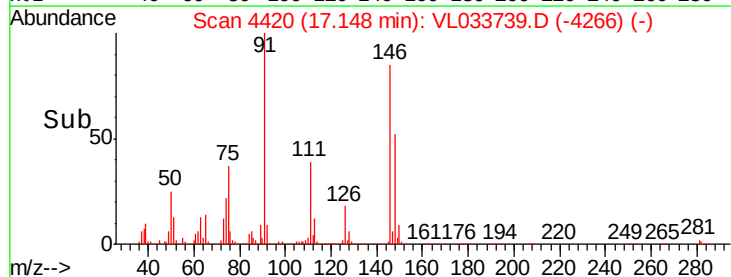
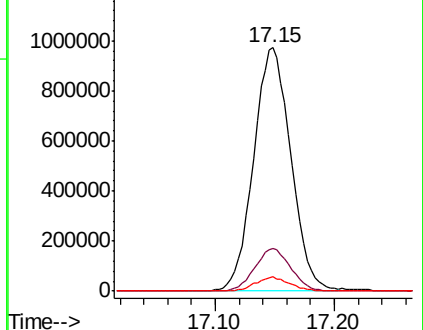
128 5.4 4.3 6.5

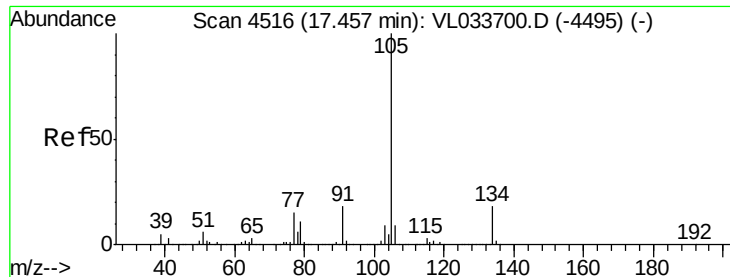


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.088 ppbv

RT: 17.45 min Scan# 4514

Delta R.T. -0.01 min

Lab File: VL033739.D

Acq: 22 May 2019 9:56

Instrument :

MSVOA_L

ClientSampleId :

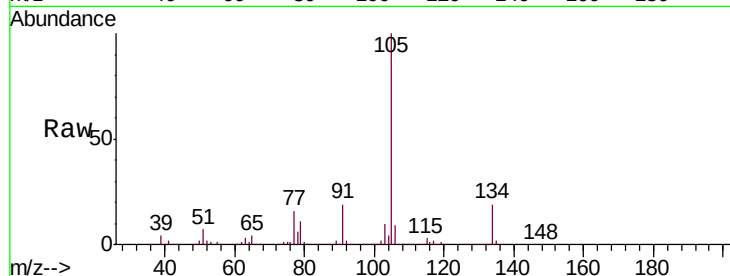
VSTDCCC010

Tgt Ion: 105 Resp: 5615031

Ion Ratio Lower Upper

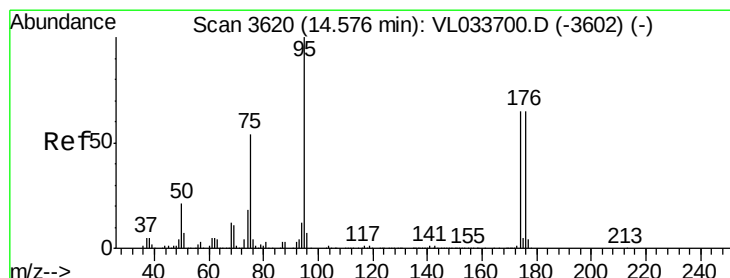
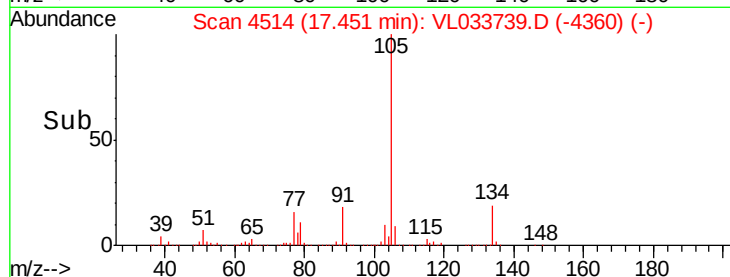
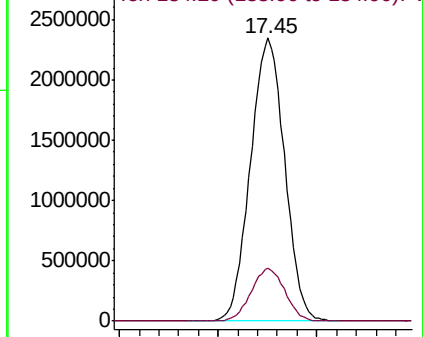
105 100

134 18.5 14.6 22.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.145 ppbv

RT: 14.57 min Scan# 3618

Delta R.T. -0.01 min

Lab File: VL033739.D

Acq: 22 May 2019 9:56

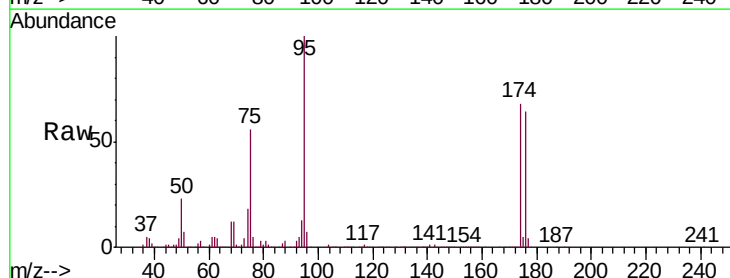
Tgt Ion: 95 Resp: 2282608

Ion Ratio Lower Upper

95 100

174 67.8 53.9 80.9

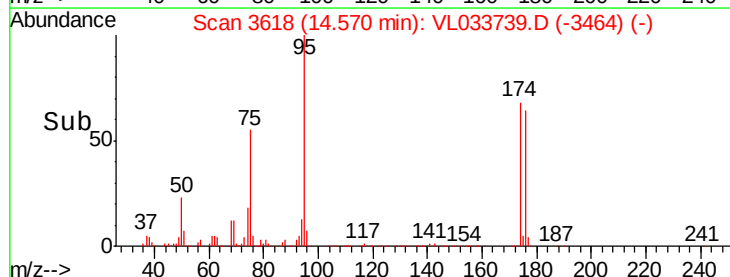
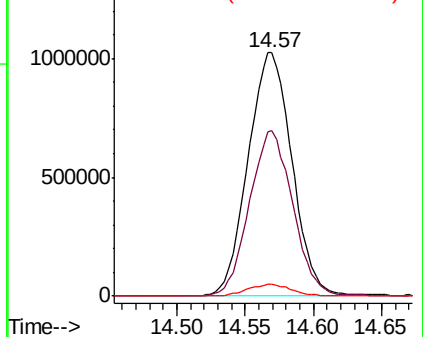
175 4.9 3.8 5.8

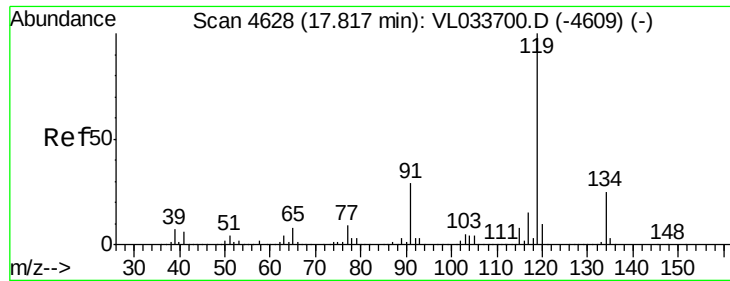


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

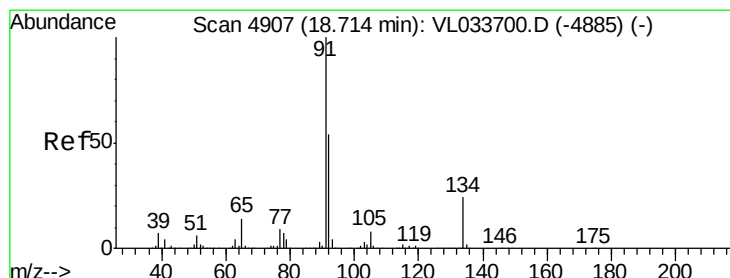
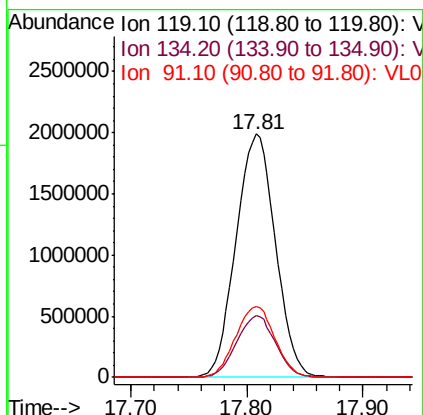
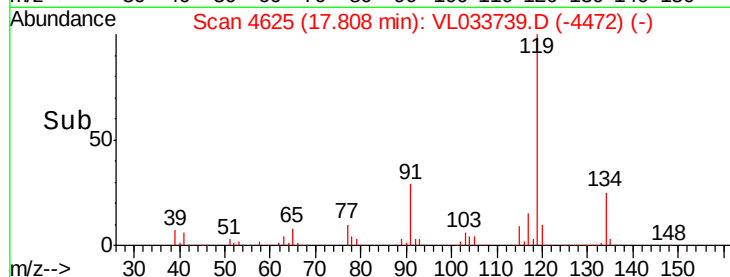
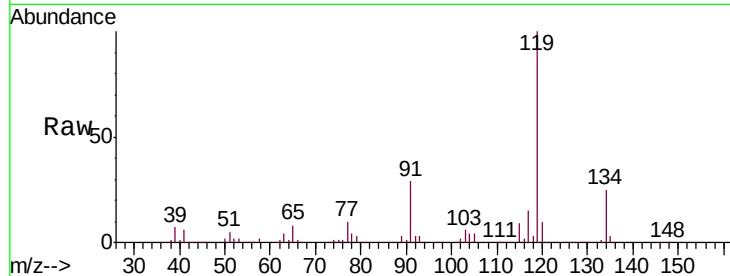




#69
p-Isopropyltoluene
Concen: 8.182 ppbv
RT: 17.81 min Scan# 4625
Delta R.T. -0.01 min
Lab File: VL033739.D
Acq: 22 May 2019 9:56

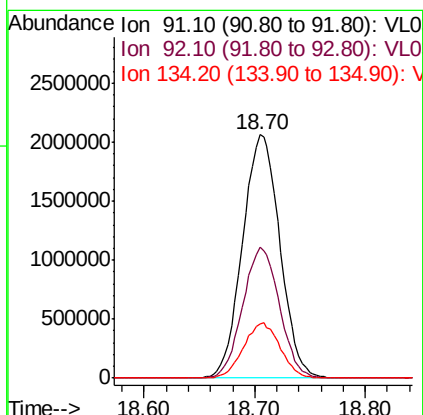
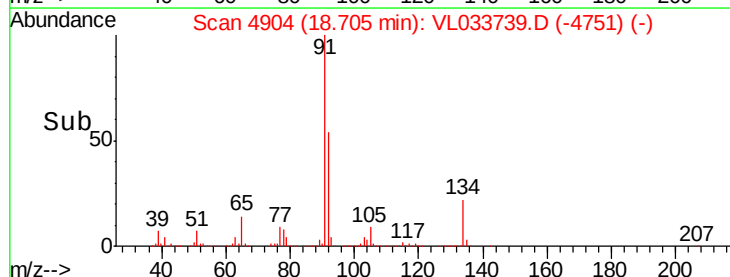
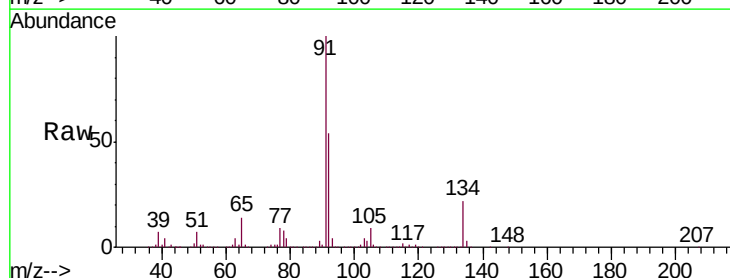
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

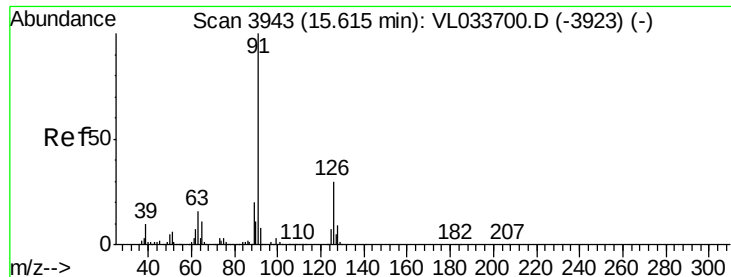
Tgt Ion: 119 Resp: 4695171
Ion Ratio Lower Upper
119 100
134 25.2 20.3 30.5
91 29.3 23.1 34.7



#70
n-Butylbenzene
Concen: 7.865 ppbv
RT: 18.70 min Scan# 4904
Delta R.T. -0.01 min
Lab File: VL033739.D
Acq: 22 May 2019 9:56

Tgt Ion: 91 Resp: 4839544
Ion Ratio Lower Upper
91 100
92 53.0 42.6 63.8
134 22.2 18.1 27.1





#71

2-Chlorotoluene

Concen: 8.254 ppbv

RT: 15.61 min Scan# 3941

Delta R.T. -0.01 min

Lab File: VL033739.D

Acq: 22 May 2019 9:56

Instrument :

MSVOA_L

ClientSampleId :

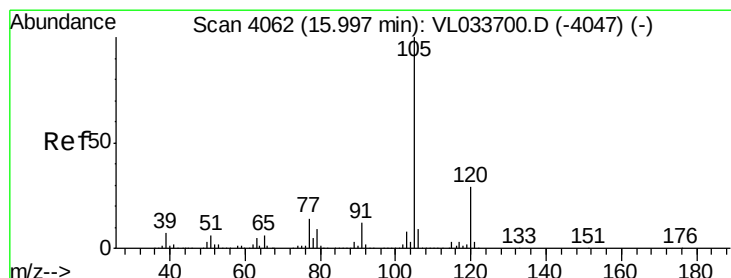
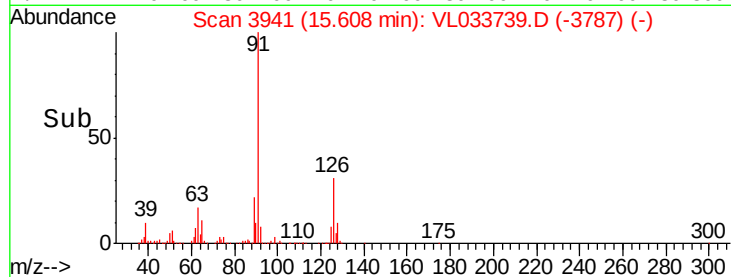
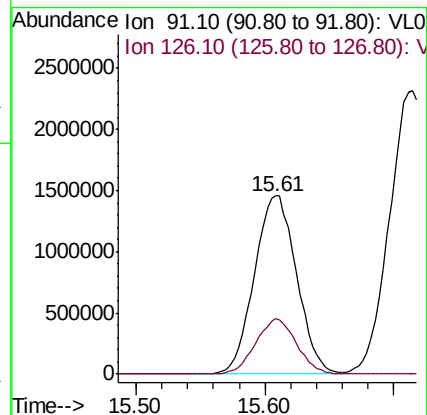
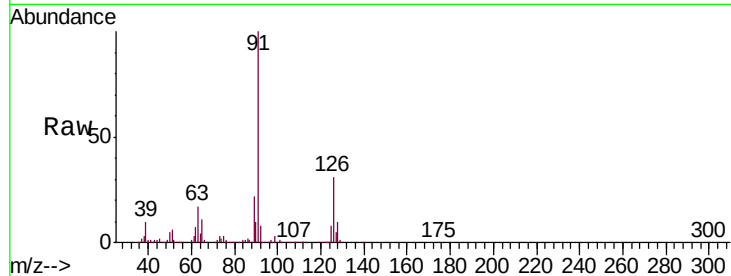
VSTDCCC010

Tgt Ion: 91 Resp: 3326887

Ion Ratio Lower Upper

91 100

126 30.1 12.0 47.8



#72

4-Ethyltoluene

Concen: 8.465 ppbv

RT: 15.99 min Scan# 4060

Delta R.T. -0.01 min

Lab File: VL033739.D

Acq: 22 May 2019 9:56

Tgt Ion: 105 Resp: 3904477

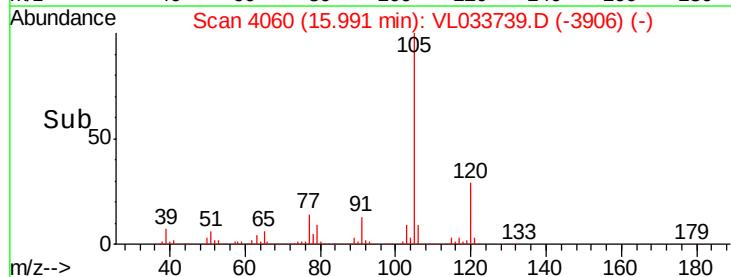
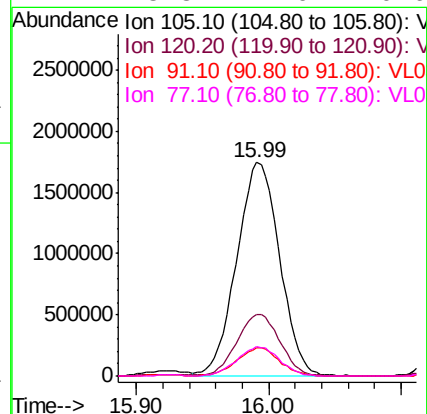
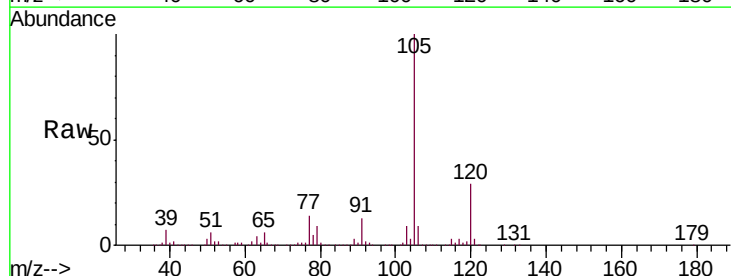
Ion Ratio Lower Upper

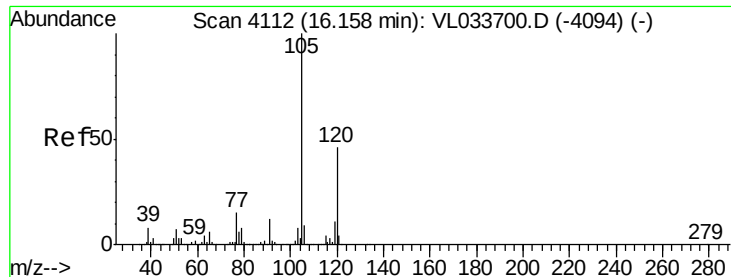
105 100

120 29.0 23.1 34.7

91 13.6 10.4 15.6

77 13.8 11.0 16.6

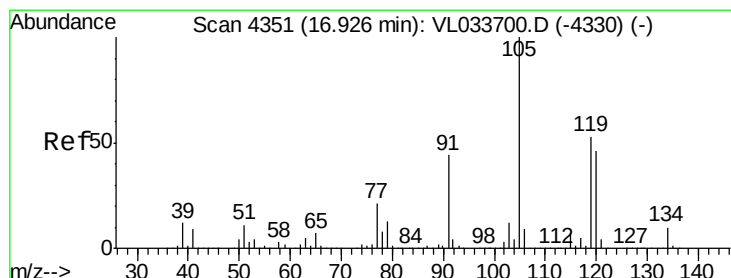
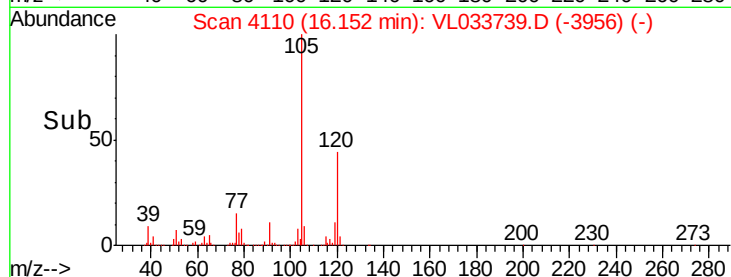
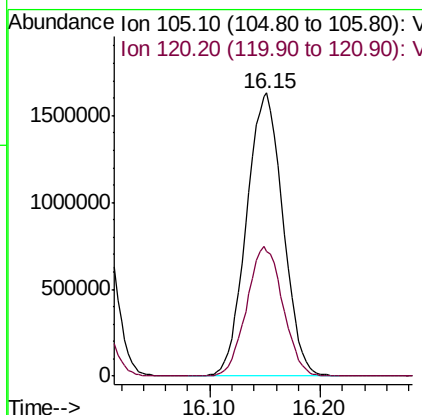
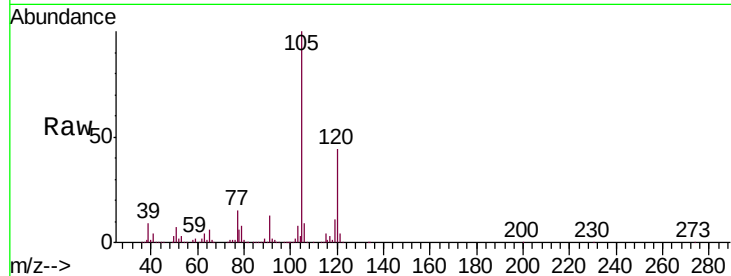




#73
 1,3,5-Trimethylbenzene
 Concen: 8.265 ppbv
 RT: 16.15 min Scan# 4110
 Delta R.T. -0.01 min
 Lab File: VL033739.D
 Acq: 22 May 2019 9:56

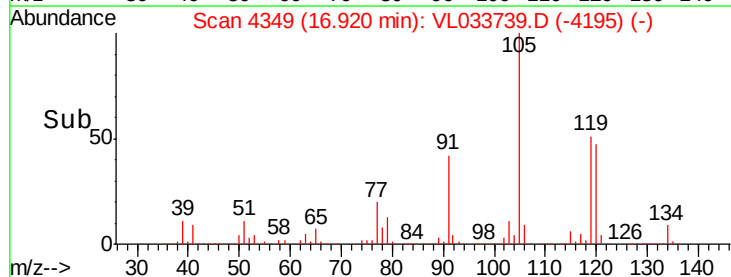
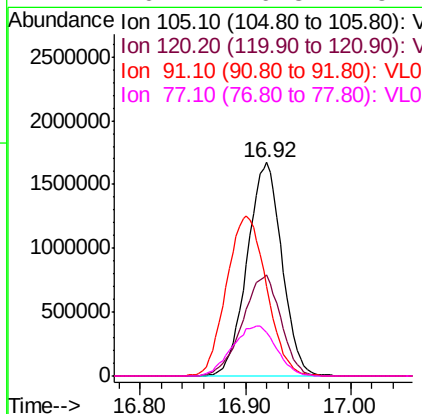
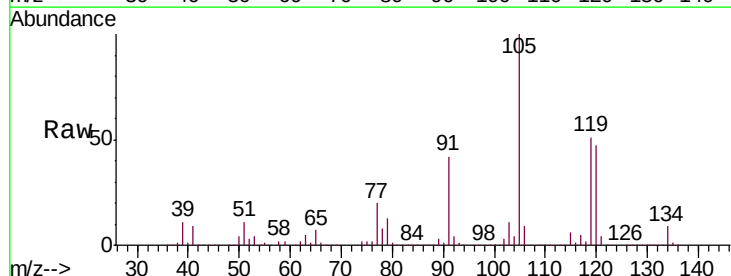
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

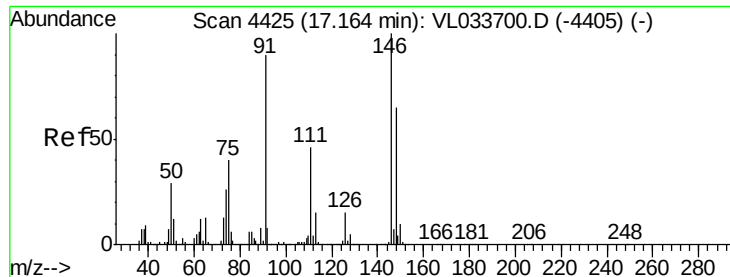
Tgt Ion:105 Resp: 3719601
 Ion Ratio Lower Upper
 105 100
 120 44.1 37.0 55.4



#74
 1,2,4-Trimethylbenzene
 Concen: 7.827 ppbv
 RT: 16.92 min Scan# 4349
 Delta R.T. -0.01 min
 Lab File: VL033739.D
 Acq: 22 May 2019 9:56

Tgt Ion:105 Resp: 3833572
 Ion Ratio Lower Upper
 105 100
 120 47.1 36.8 55.2
 91 41.8 35.4 53.0
 77 20.2 16.8 25.2





#75

1,3-Dichlorobenzene

Concen: 7.374 ppbv

RT: 17.15 min Scan# 4422

Delta R.T. -0.01 min

Lab File: VL033739.D

Acq: 22 May 2019 9:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

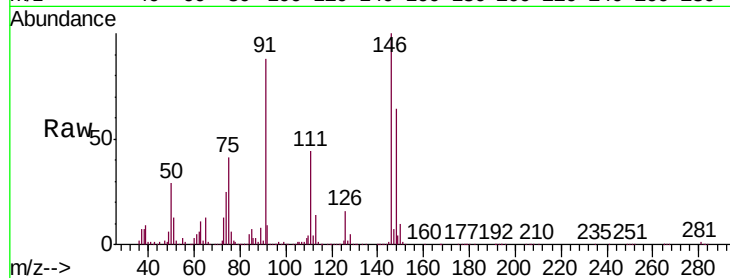
Tgt Ion:146 Resp: 2213105

Ion Ratio Lower Upper

146 100

111 45.6 22.9 68.8

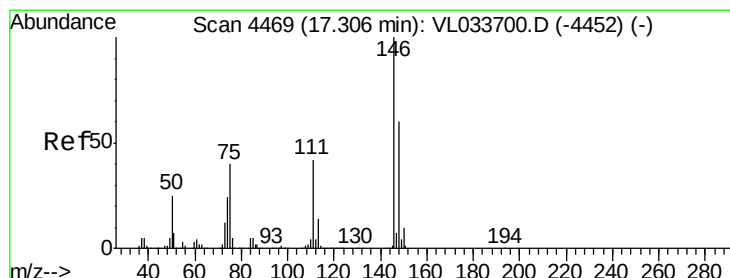
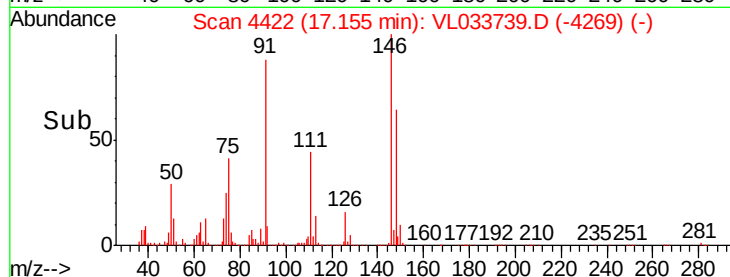
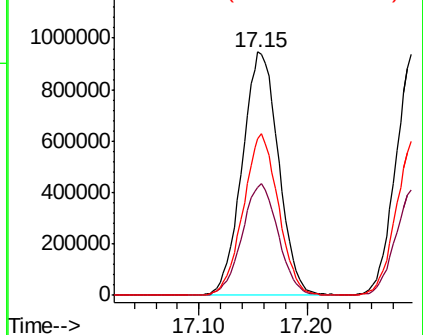
148 64.3 32.0 96.2



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: 7.687 ppbv

RT: 17.30 min Scan# 4467

Delta R.T. -0.01 min

Lab File: VL033739.D

Acq: 22 May 2019 9:56

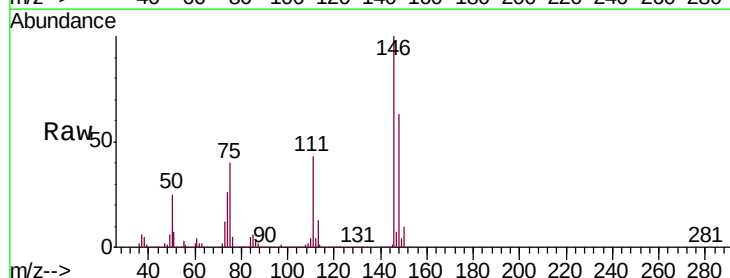
Tgt Ion:146 Resp: 2192874

Ion Ratio Lower Upper

146 100

111 44.1 21.9 65.8

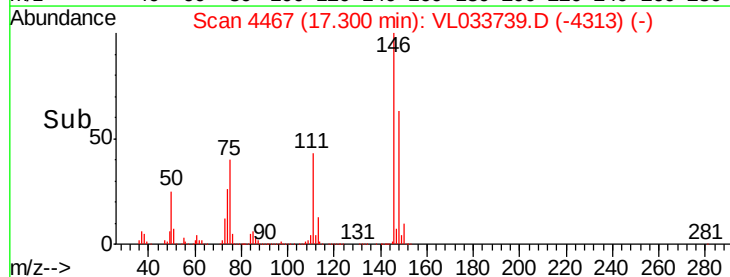
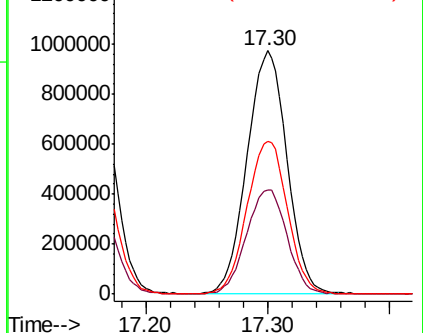
148 64.2 32.1 96.3

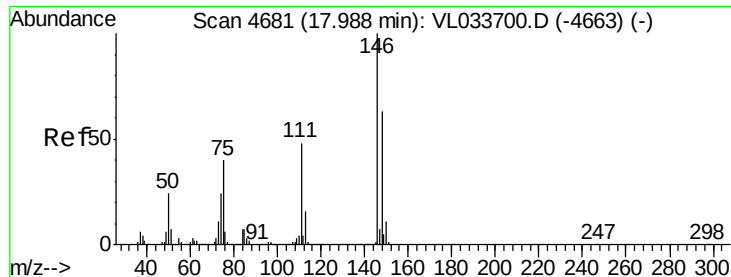


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

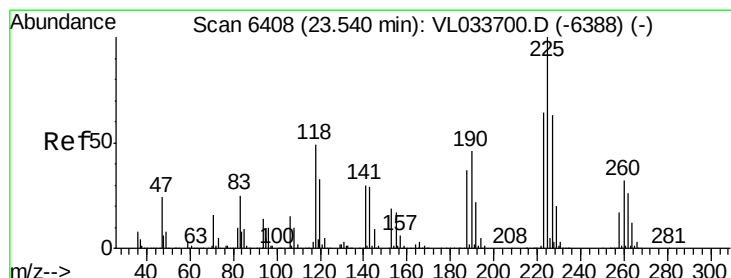
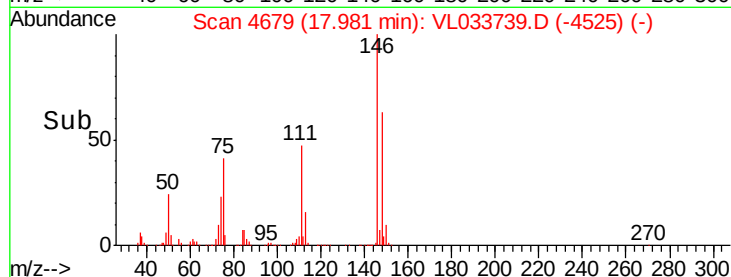
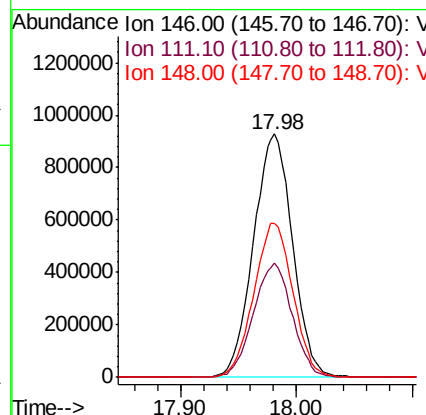
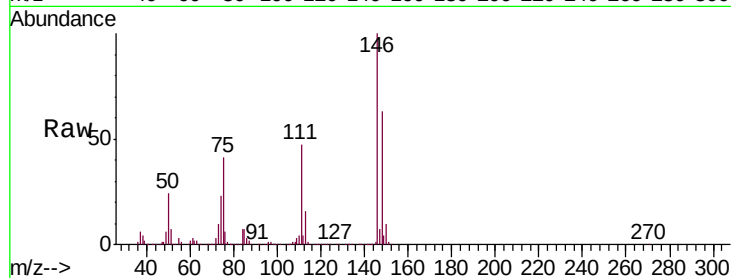




#77
 1,2-Dichlorobenzene
 Concen: 7.705 ppbv
 RT: 17.98 min Scan# 4679
 Delta R.T. -0.01 min
 Lab File: VL033739.D
 Acq: 22 May 2019 9:56

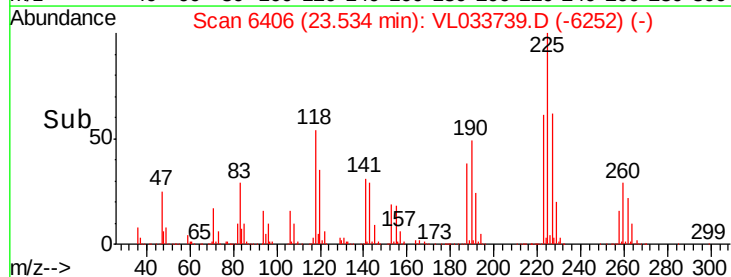
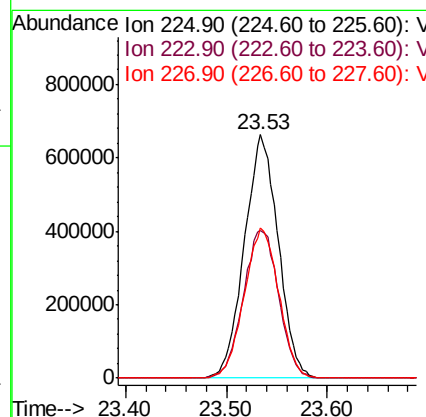
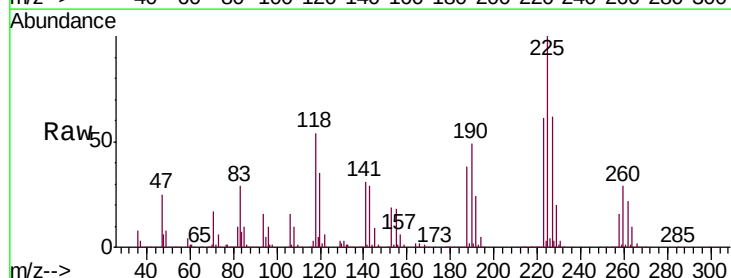
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

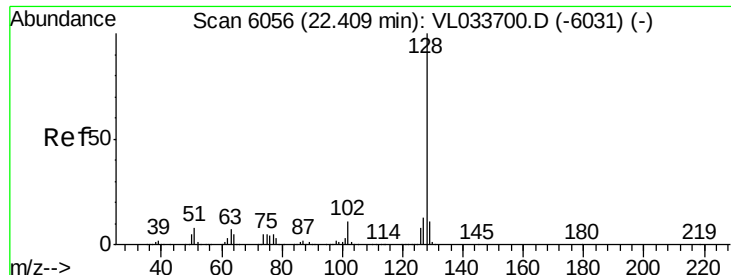
Tgt Ion:146 Resp: 2172891
 Ion Ratio Lower Upper
 146 100
 111 46.7 23.5 70.5
 148 63.6 32.1 96.3



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.218 ppbv
 RT: 23.53 min Scan# 6406
 Delta R.T. -0.01 min
 Lab File: VL033739.D
 Acq: 22 May 2019 9:56

Tgt Ion:225 Resp: 1538988
 Ion Ratio Lower Upper
 225 100
 223 63.5 50.2 75.4
 227 63.2 50.7 76.1





#79

Naphthalene

Concen: 6.811 ppbv

RT: 22.40 min Scan# 6053

Delta R.T. -0.01 min

Lab File: VL033739.D

Acq: 22 May 2019 9:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

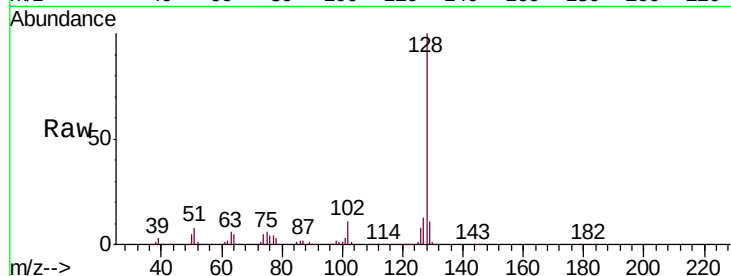
Tgt Ion:128 Resp: 3098433

Ion Ratio Lower Upper

128 100

127 12.5 10.6 16.0

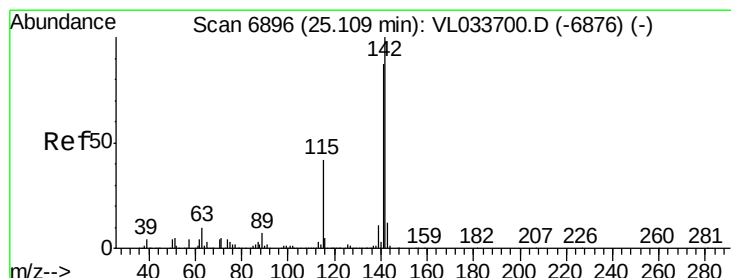
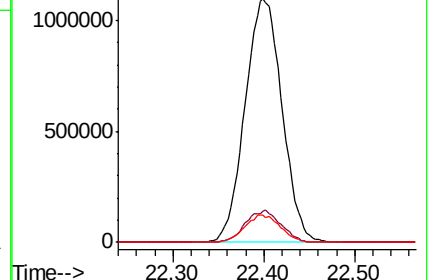
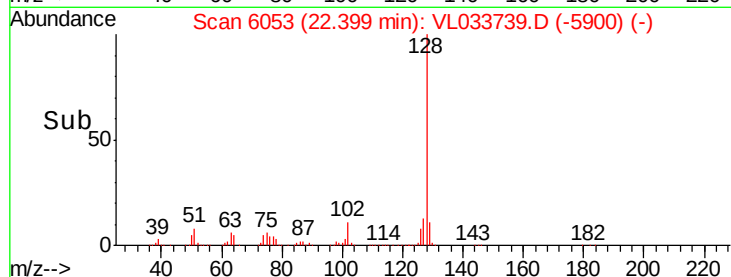
129 11.0 8.9 13.3



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: 7.981 ppbv

RT: 25.11 min Scan# 6895

Delta R.T. -0.00 min

Lab File: VL033739.D

Acq: 22 May 2019 9:56

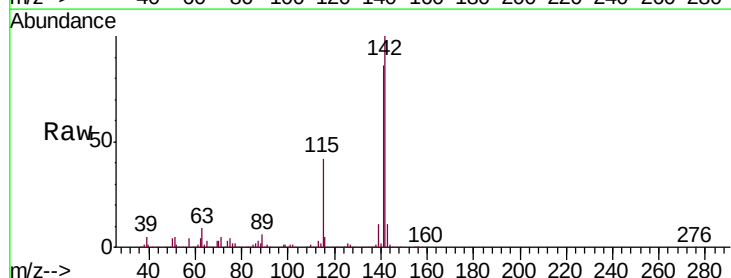
Tgt Ion:142 Resp: 1379588

Ion Ratio Lower Upper

142 100

141 84.7 67.2 100.8

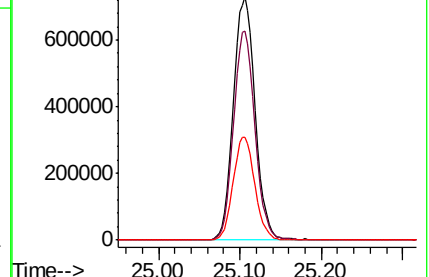
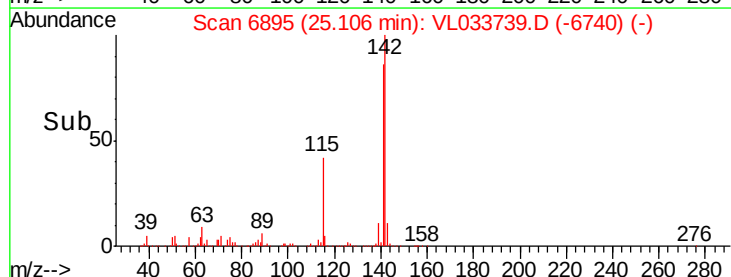
115 42.2 34.1 51.1

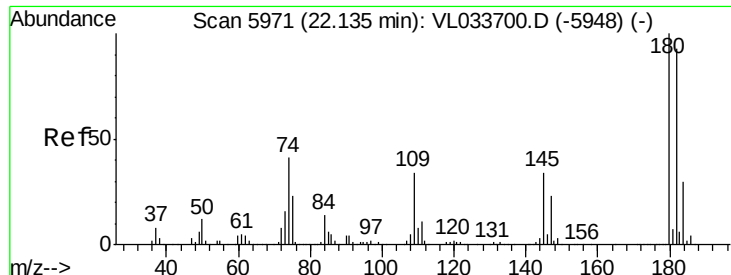


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 6.610 ppbv
 RT: 22.12 min Scan# 5967
 Delta R.T. -0.01 min
 Lab File: VL033739.D
 Acq: 22 May 2019 9:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:180 Resp: 1760851
 Ion Ratio Lower Upper
 180 100
 182 96.0 76.1 114.1
 184 30.8 24.6 37.0

