

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL050619\
 Data File : VL033654.D
 Acq On : 6 May 2019 10:59
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: May 06 12:03:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon May 06 12:00:34 2019
 QLast Update : Mon May 06 12:00:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1033795	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2508739	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2793234	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	2137110	9.58	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	2178109	12.634	ppbv	100
3) Chlorodifluoromethane	3.02	51	1170262	9.391	ppbv	100
4) Chloromethane	3.17	50	672616	9.797	ppbv	100
5) Vinyl Chloride	3.29	62	659586	9.234	ppbv	100
6) Bromomethane	3.52	94	421359	9.926	ppbv	100
7) Chloroethane	3.60	64	240086	10.061	ppbv	100
8) Dichlorotetrafluoroethane	3.22	85	1723524	9.912	ppbv	100
9) Propene	3.04	41	508347	11.717	ppbv	100
10) Heptane	8.25	43	1389020	10.516	ppbv	100
11) Trichlorofluoromethane	4.00	101	2000061	10.425	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1358564	10.311	ppbv	100
13) Ethanol	3.65	45	117944	7.358	ppbv	100
14) Bromoethene	3.79	108	557006	10.434	ppbv	100
15) Acetone	3.90	43	1250964	9.613	ppbv	100
16) 1,3-Butadiene	3.36	39	606851	10.474	ppbv	100
17) tert-Butyl alcohol	4.36	59	1093552	9.992	ppbv	100
18) 1,1-Dichloroethene	4.35	96	602073	10.529	ppbv	100
19) Isopropyl Alcohol	4.03	45	845597	9.729	ppbv	100
20) Methylene Chloride	4.41	84	505376	9.928	ppbv	100
21) Allyl Chloride	4.48	41	879372	10.791	ppbv	100
22) trans-1,2-Dichloroethene	4.96	96	621140	11.002	ppbv	100
23) Vinyl Acetate	5.16	43	1960319	10.395	ppbv	100
24) 1,1-Dichloroethane	5.09	63	1365981	9.684	ppbv	100
25) Ethyl Acetate	5.77	43	2337431	9.712	ppbv	100
26) Hexane	5.78	57	1032682	10.142	ppbv	100
27) Carbon Disulfide	4.62	76	1497054	11.839	ppbv	100
28) Methyl tert-Butyl Ether	5.11	73	1769182	10.341	ppbv	100
29) Chloroform	5.85	83	1772746	9.519	ppbv	100
30) Cyclohexane	7.25	84	923609	10.699	ppbv	100
31) cis-1,2-Dichloroethene	5.64	61	1063557	10.368	ppbv	100
32) 1,1,1-Trichloroethane	6.62	97	1897936	9.727	ppbv	100
34) 2-Butanone	5.33	43	1546914	9.968	ppbv	100
35) Carbon Tetrachloride	7.13	117	2049786	10.180	ppbv	100
36) Benzene	7.01	78	2254828	10.380	ppbv	100
37) 1,2-Dichloroethane	6.41	62	1392619	9.658	ppbv	100
38) Trichloroethene	7.96	130	902480	10.458	ppbv	100
39) 1,2-Dichloropropane	7.74	63	833013	10.230	ppbv	100
40) 1,4-Dioxane	7.95	88	333534	10.201	ppbv	100
41) Tetrahydrofuran	6.15	42	875806	10.515	ppbv	100
42) Bromodichloromethane	7.92	83	2025629	10.366	ppbv	100
43) Methyl Methacrylate	8.14	69	895810	10.937	ppbv	100

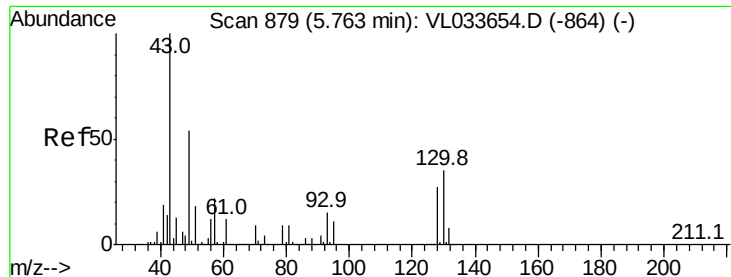
Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL050619\
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Quant Time: May 06 12:03:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon May 06 12:00:34 2019
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	3793955	10.051	ppbv	100
45) t-1,3-Dichloropropene	9.42	75	1224160	11.582	ppbv	100
46) cis-1,3-Dichloropropene	8.83	75	1416038	11.576	ppbv	100
47) 1,1,2-Trichloroethane	9.61	97	931387	9.674	ppbv	100
48) Dibromochloromethane	10.45	129	1732356	10.713	ppbv	100
49) Bromoform	13.20	173	1554839	11.208	ppbv	100
50) 4-Methyl-2-Pentanone	8.87	43	2506024	10.297	ppbv	100
51) 2-Hexanone	10.27	43	2024738	10.596	ppbv	100
52) Tetrachloroethene	11.37	164	845964	10.281	ppbv	100
53) Toluene	9.95	91	2619860	10.688	ppbv	100
54) 1,2-Dibromoethane	10.76	107	1476593	10.264	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.28	131	1170102	9.566	ppbv	97
57) Chlorobenzene	12.30	112	2025762	9.297	ppbv	100
58) Ethyl Benzene	12.86	91	3667317	10.458	ppbv	100
59) m/p-Xylene	13.15	91	2960185	9.807	ppbv #	26
60) o-Xylene	13.85	91	3091446	10.167	ppbv	100
61) Styrene	13.69	104	2303005	11.042	ppbv	100
62) Isopropylbenzene	14.82	105	4107924	10.139	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.84	83	2131144	9.262	ppbv	100
64) n-propylbenzene	15.72	120	1082216	10.269	ppbv	100
65) tert-Butylbenzene	16.91	119	3805745	10.035	ppbv	100
66) Benzyl Chloride	17.15	91	2080781	11.898	ppbv	100
67) sec-Butylbenzene	17.46	105	5346001	10.053	ppbv	100
69) p-Isopropyltoluene	17.81	119	4522026	10.218	ppbv	100
70) n-Butylbenzene	18.71	91	4823758	10.000	ppbv	100
71) 2-Chlorotoluene	15.61	91	3150076	10.359	ppbv	100
72) 4-Ethyltoluene	16.00	105	3705242	10.647	ppbv	100
73) 1,3,5-Trimethylbenzene	16.15	105	3518371	10.319	ppbv	100
74) 1,2,4-Trimethylbenzene	16.93	105	3684415	9.743	ppbv	100
75) 1,3-Dichlorobenzene	17.16	146	2188201	9.326	ppbv	100
76) 1,4-Dichlorobenzene	17.31	146	2182703	9.754	ppbv	100
77) 1,2-Dichlorobenzene	17.99	146	2093223	9.581	ppbv	100
78) Hexachloro-1,3-Butadiene	23.54	225	1423377	8.539	ppbv	100
79) Naphthalene	22.41	128	3804750	10.780	ppbv	100
80) Naphthalene, 2-methyl-	25.11	142	1634251	10.912	ppbv	100
81) 1,2,4-Trichlorobenzene	22.14	180	2043730	10.050	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. 0.00 min

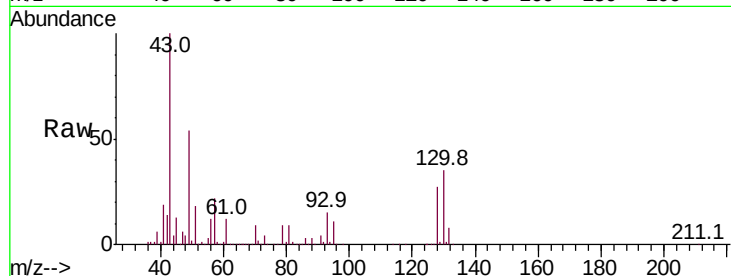
Lab File: VL033654.D

Acq: 6 May 2019 10:59

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 49 Resp: 1033795

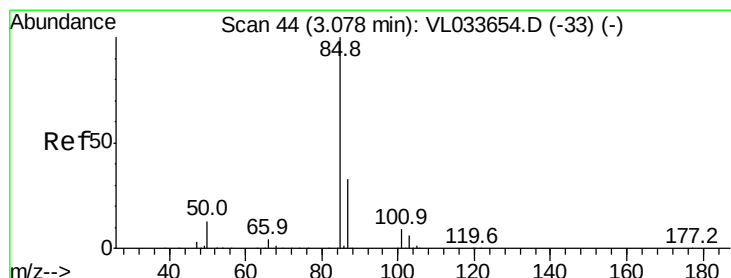
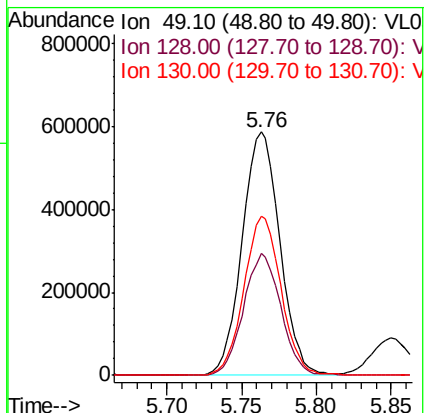
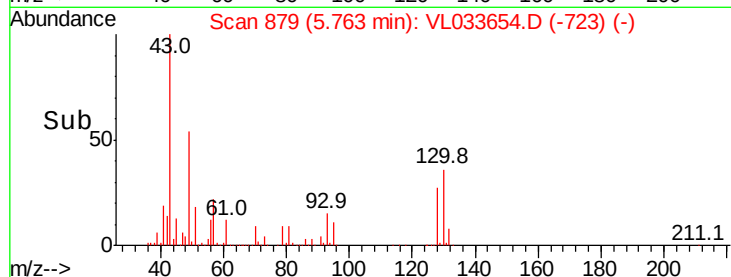
Ion	Ratio	Lower	Upper
49	100		
128	49.5	24.8	74.4
130	64.3	32.1	96.5



Abundance Ion 49.10 (48.80 to 49.80): VL033654.D (-864) (-)

Ion 128.00 (127.70 to 128.70): VL033654.D (-864) (-)

Ion 130.00 (129.70 to 130.70): VL033654.D (-864) (-)



#2

Dichlorodifluoromethane

Concen: 12.634 ppbv

RT: 3.08 min Scan# 44

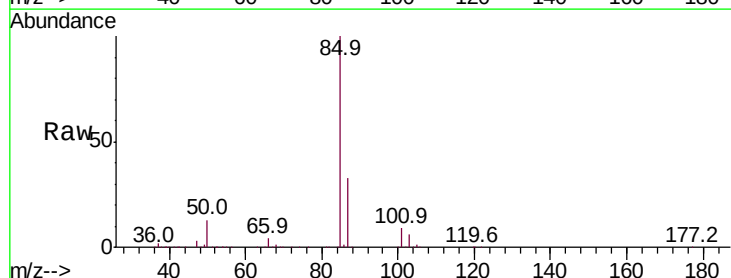
Delta R.T. 0.00 min

Lab File: VL033654.D

Acq: 6 May 2019 10:59

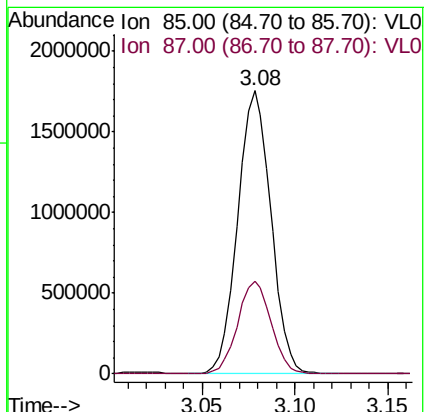
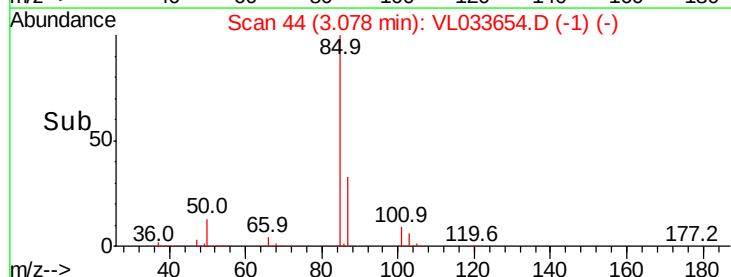
Tgt Ion: 85 Resp: 2178109

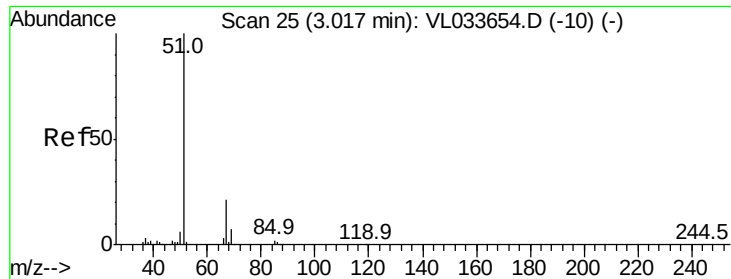
Ion	Ratio	Lower	Upper
85	100		
87	32.5	26.0	39.0



Abundance Ion 85.00 (84.70 to 85.70): VL033654.D (-33) (-)

Ion 87.00 (86.70 to 87.70): VL033654.D (-33) (-)





#3

Chlorodifluoromethane

Concen: 9.391 ppbv

RT: 3.02 min Scan# 25

Delta R.T. 0.00 min

Lab File: VL033654.D

Acq: 6 May 2019 10:59

Instrument :

MSVOA_L

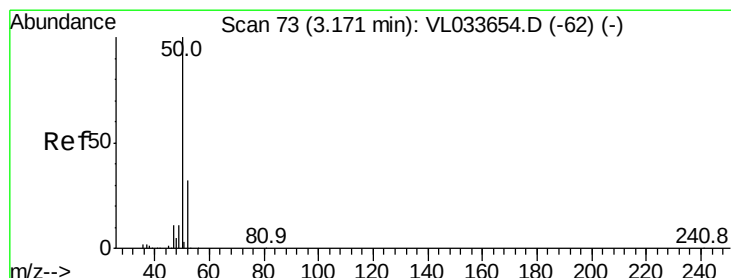
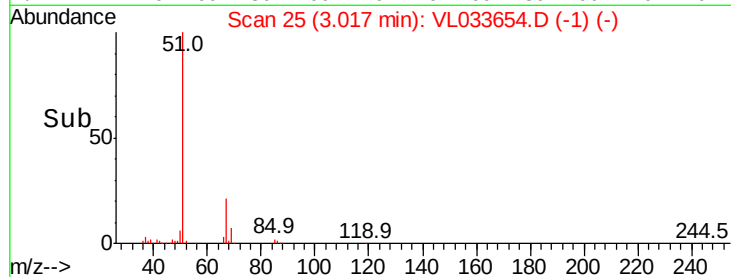
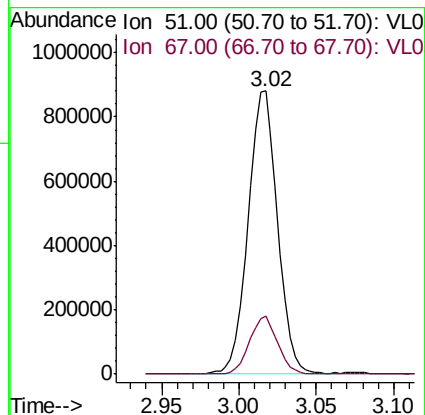
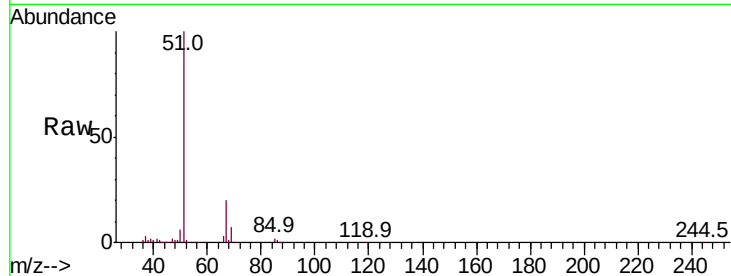
ClientSampleId :

Tot Ion: 51 Resp: 1170262

Ion Ratio Lower Upper

51 100

67 19.6 15.7 23.5



#4

Chloromethane

Concen: 9.797 ppbv

RT: 3.17 min Scan# 73

Delta R.T. 0.00 min

Lab File: VL033654.D

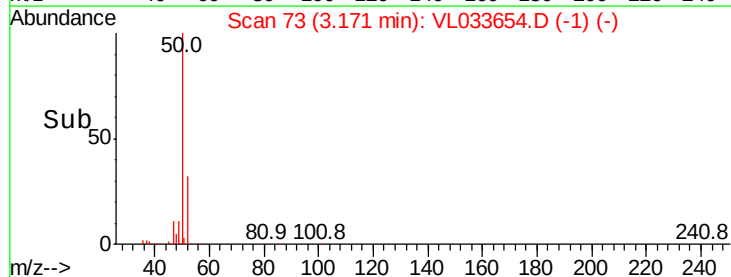
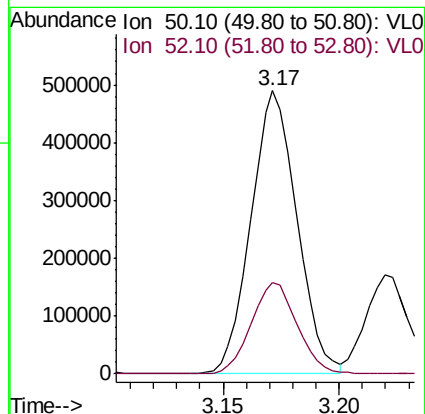
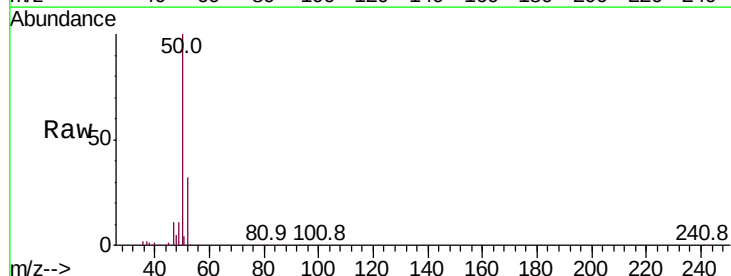
Acq: 6 May 2019 10:59

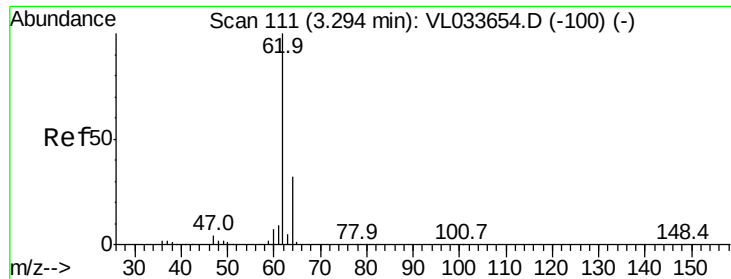
Tgt Ion: 50 Resp: 672616

Ion Ratio Lower Upper

50 100

52 32.3 25.8 38.8





#5

Vinyl Chloride

Concen: 9.234 ppbv

RT: 3.29 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL033654.D

Acq: 6 May 2019 10:59

Instrument :

MSVOA_L

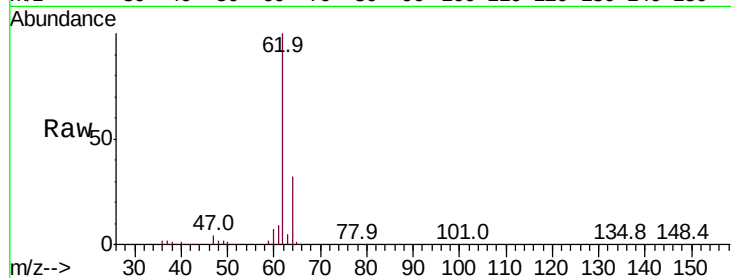
ClientSampled :

Tot Ion: 62 Resp: 659586

Ion Ratio Lower Upper

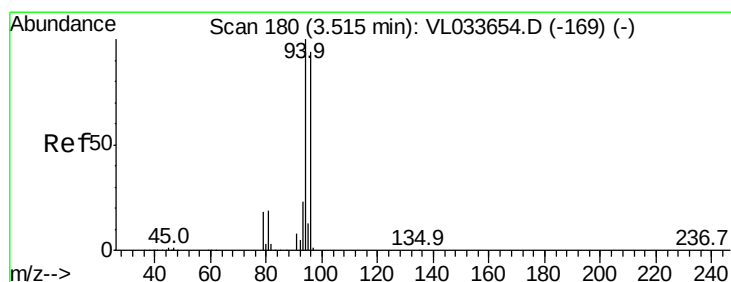
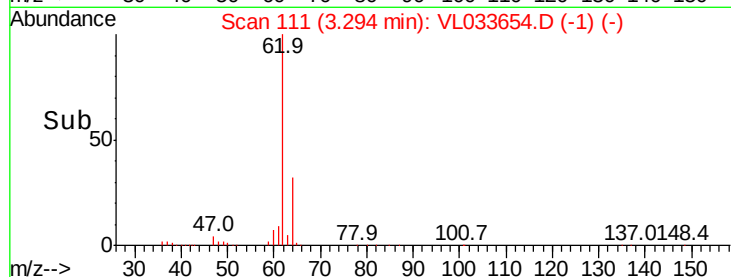
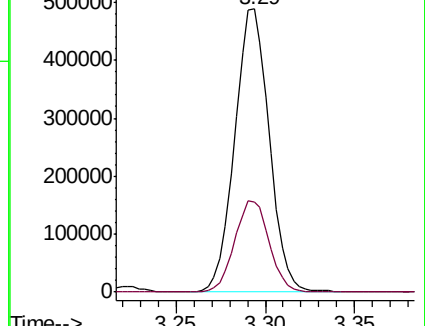
62 100

64 32.0 25.6 38.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.926 ppbv

RT: 3.52 min Scan# 180

Delta R.T. 0.00 min

Lab File: VL033654.D

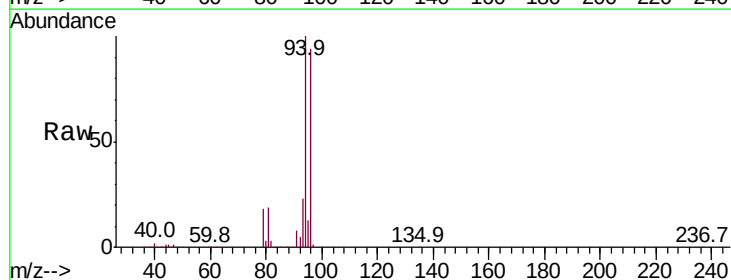
Acq: 6 May 2019 10:59

Tgt Ion: 94 Resp: 421359

Ion Ratio Lower Upper

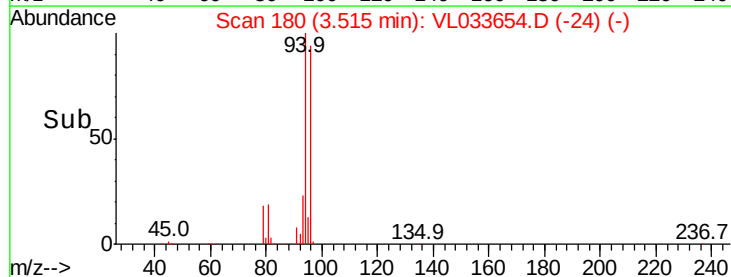
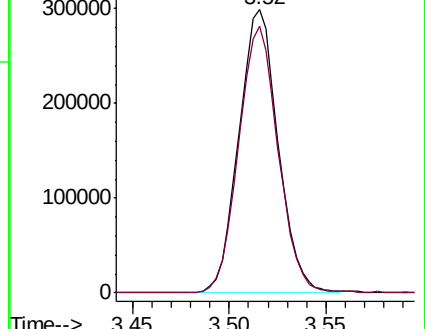
94 100

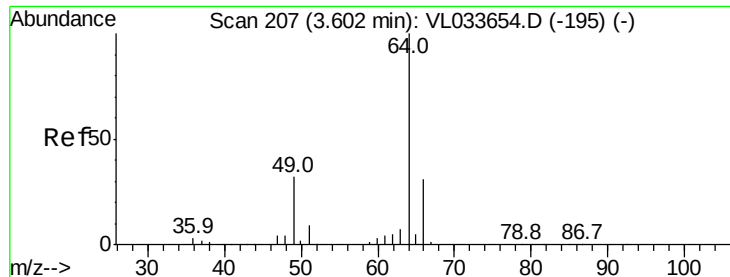
96 94.0 75.2 112.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.061 ppbv

RT: 3.60 min Scan# 207

Delta R.T. 0.00 min

Lab File: VL033654.D

Acq: 6 May 2019 10:59

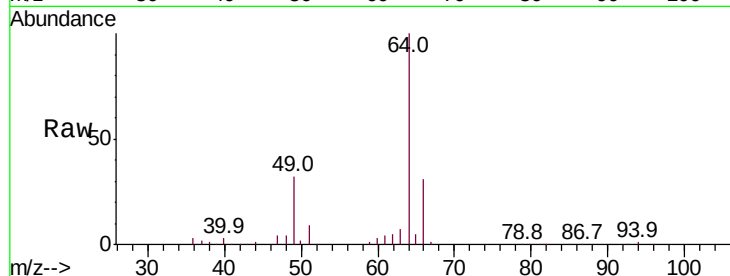
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 64 Resp: 240086

Ion Ratio Lower Upper

64 100

66 31.4 25.1 37.7



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

200000

150000

100000

50000

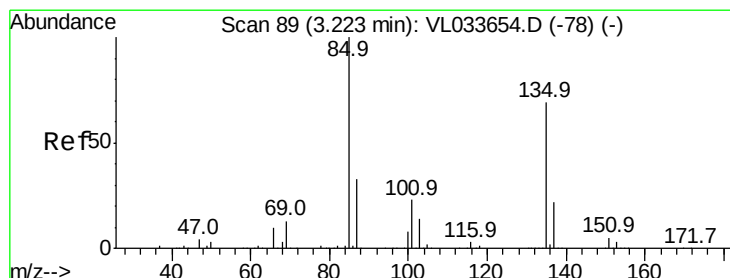
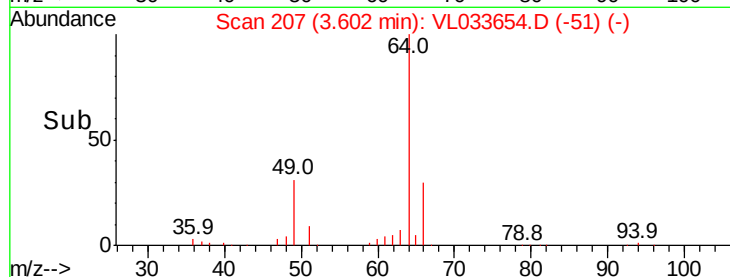
0

3.55

3.60

3.65

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.912 ppbv

RT: 3.22 min Scan# 89

Delta R.T. 0.00 min

Lab File: VL033654.D

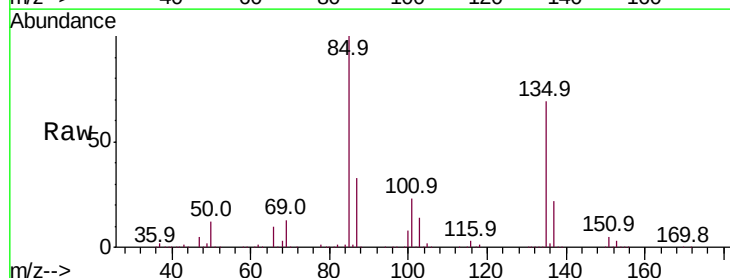
Acq: 6 May 2019 10:59

Tgt Ion: 85 Resp: 1723524

Ion Ratio Lower Upper

85 100

135 67.9 54.3 81.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1500000

1000000

500000

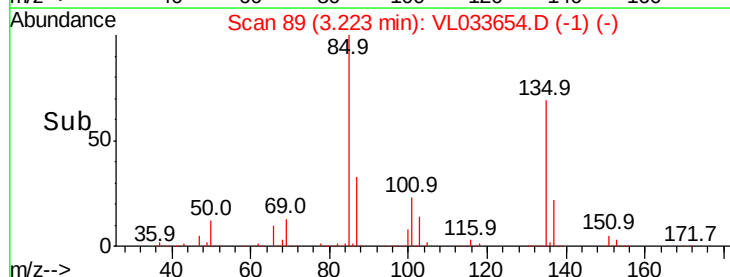
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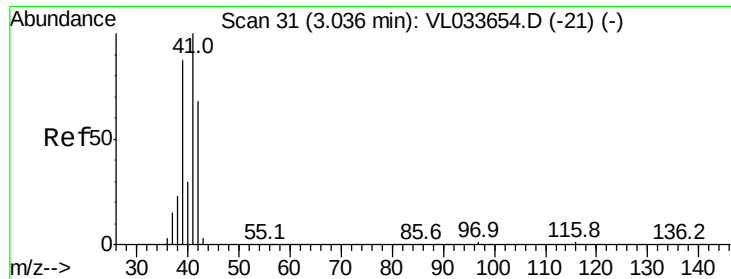
3.20

3.22

3.25

Time-->





#9

Propene

Concen: 11.717 ppbv

RT: 3.04 min Scan# 31

Delta R.T. 0.00 min

Lab File: VL033654.D

Acq: 6 May 2019 10:59

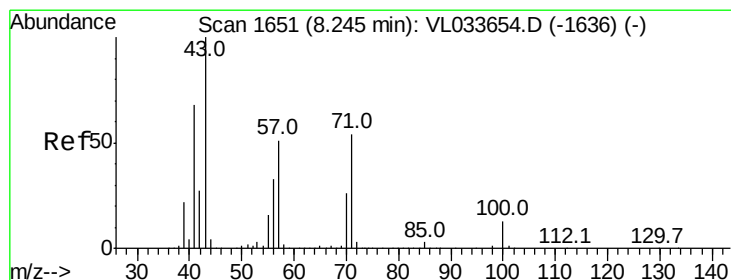
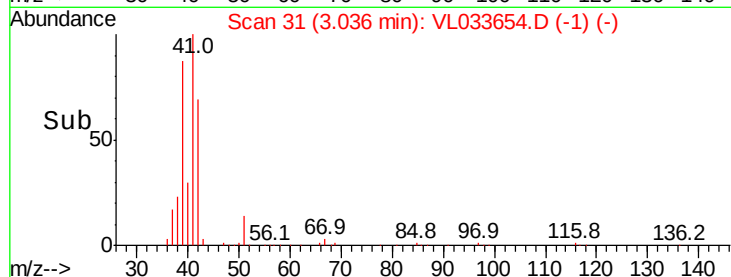
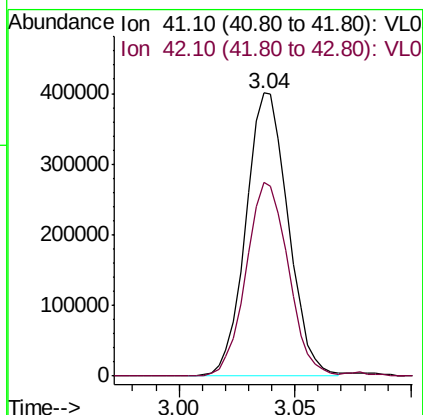
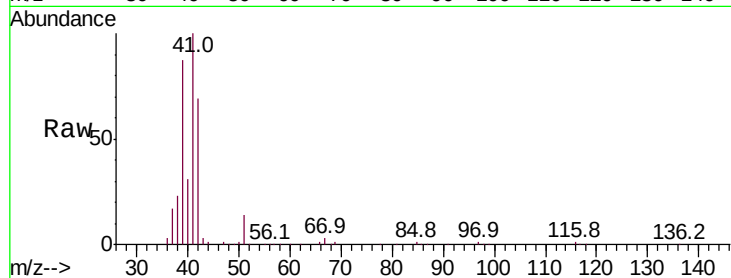
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 41 Resp: 508347

Ion Ratio Lower Upper

41 100

42 69.5 55.6 83.4



#10

Heptane

Concen: 10.516 ppbv

RT: 8.25 min Scan# 1651

Delta R.T. 0.00 min

Lab File: VL033654.D

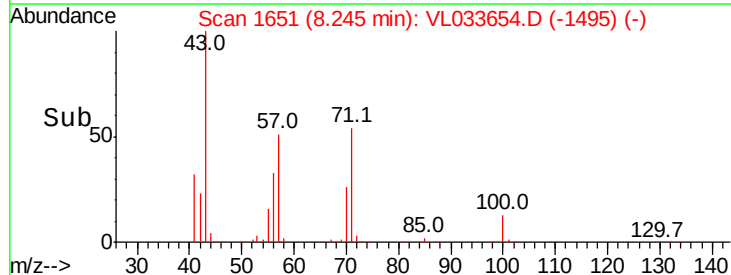
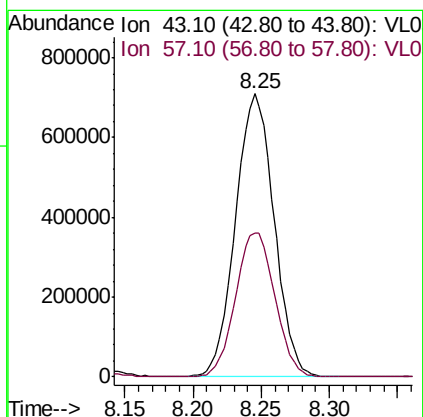
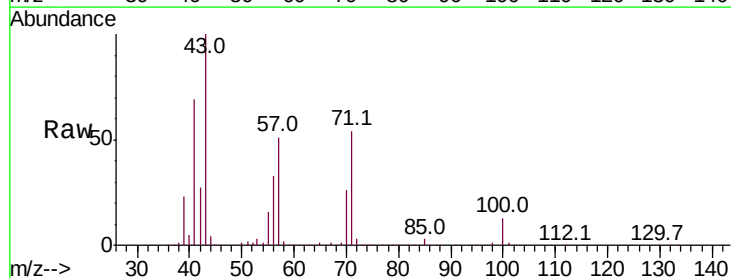
Acq: 6 May 2019 10:59

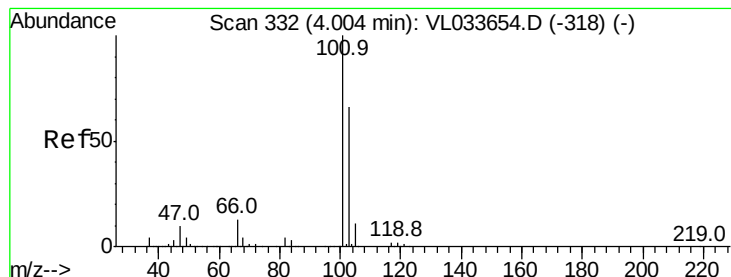
Tgt Ion: 43 Resp: 1389020

Ion Ratio Lower Upper

43 100

57 52.2 41.8 62.6





#11

Trichlorofluoromethane

Concen: 10.425 ppbv

RT: 4.00 min Scan# 332

Delta R.T. 0.00 min

Lab File: VL033654.D

Acq: 6 May 2019 10:59

Instrument :

MSVOA_L

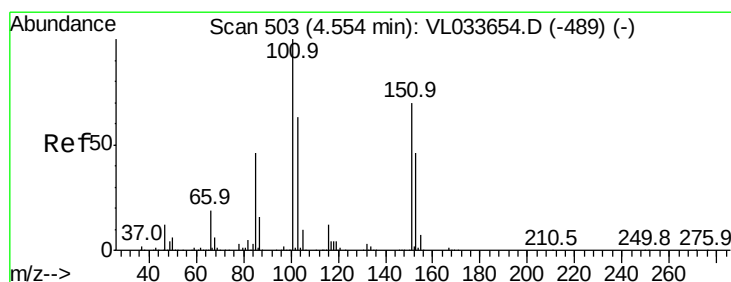
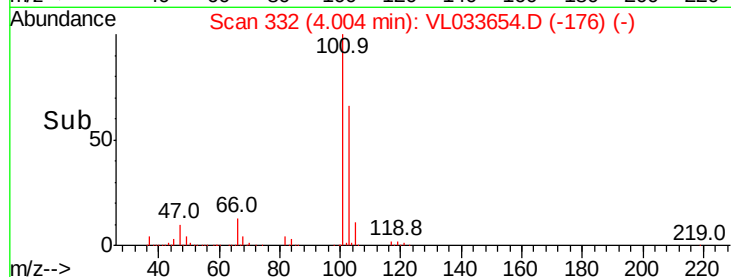
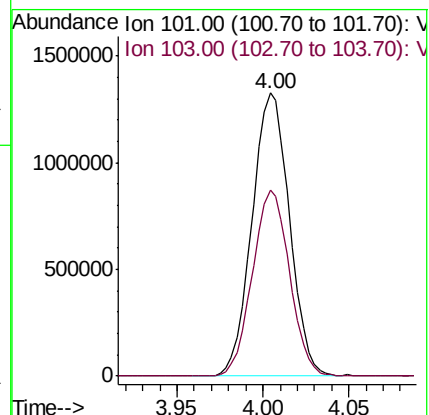
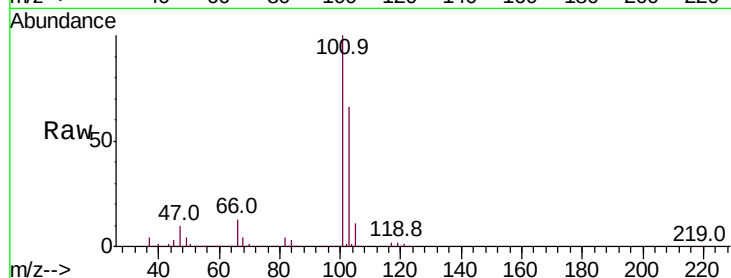
ClientSampleId :

Tot Ion:101 Resp: 2000061

Ion Ratio Lower Upper

101 100

103 65.9 52.7 79.1



#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.311 ppbv

RT: 4.55 min Scan# 503

Delta R.T. 0.00 min

Lab File: VL033654.D

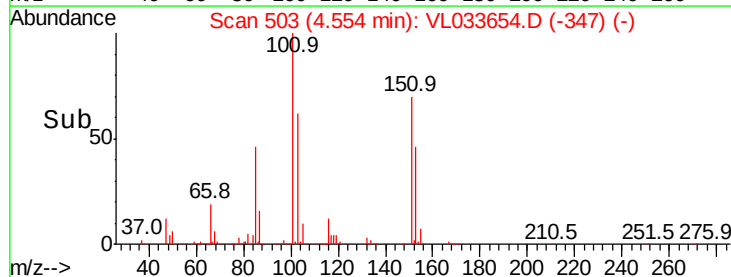
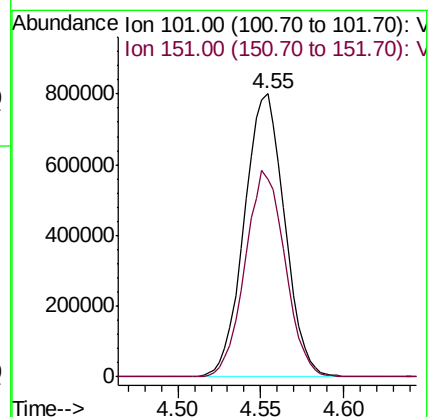
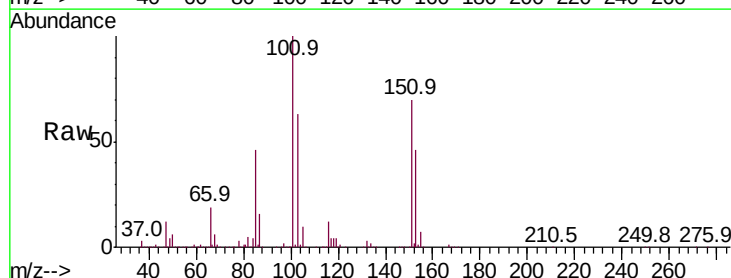
Acq: 6 May 2019 10:59

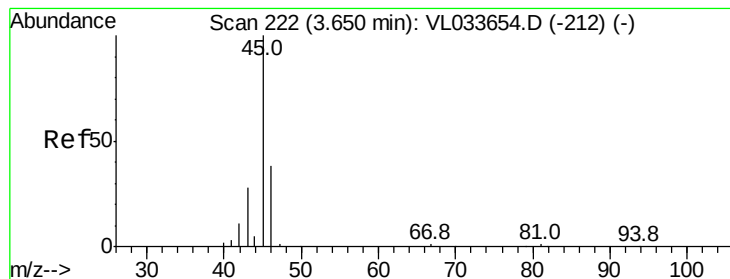
Tgt Ion:101 Resp: 1358564

Ion Ratio Lower Upper

101 100

151 72.5 58.0 87.0





#13

Ethanol

Concen: 7.358 ppbv

RT: 3.65 min Scan# 222

Delta R.T. 0.00 min

Lab File: VL033654.D

Acq: 6 May 2019 10:59

Instrument :

MSVOA_L

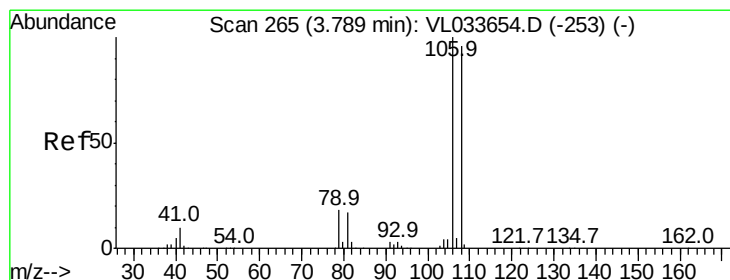
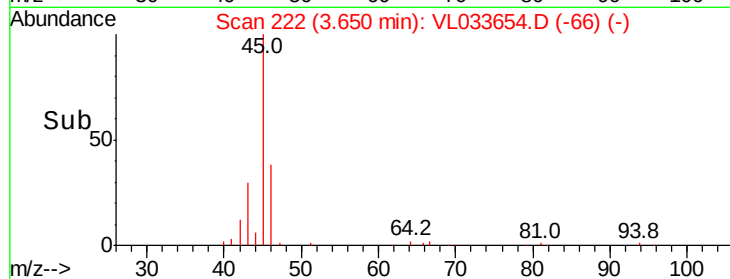
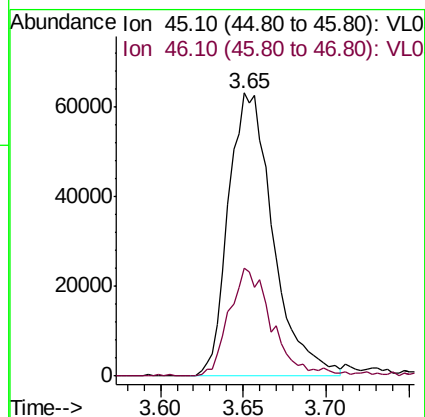
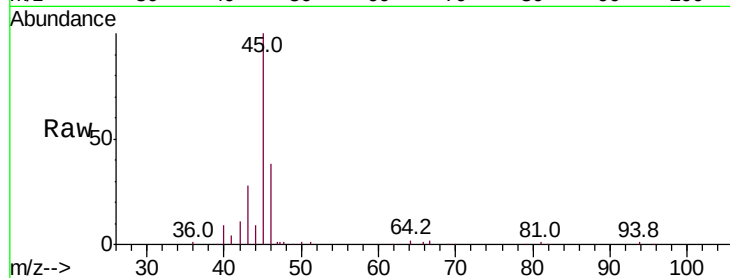
ClientSampleId :

Tot Ion: 45 Resp: 117944

Ion Ratio Lower Upper

45 100

46 37.3 14.9 59.7



#14

Bromoethene

Concen: 10.434 ppbv

RT: 3.79 min Scan# 265

Delta R.T. 0.00 min

Lab File: VL033654.D

Acq: 6 May 2019 10:59

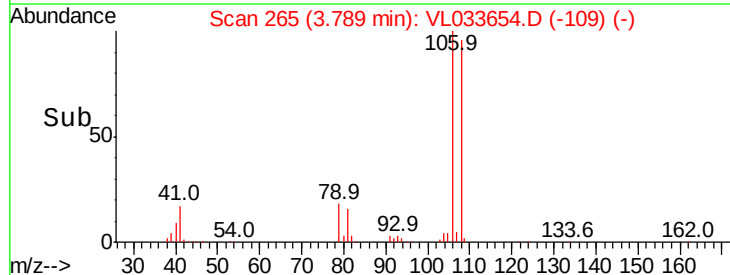
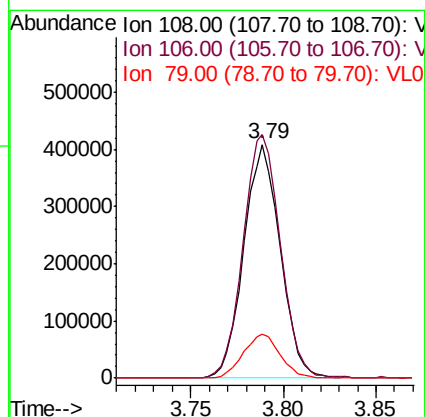
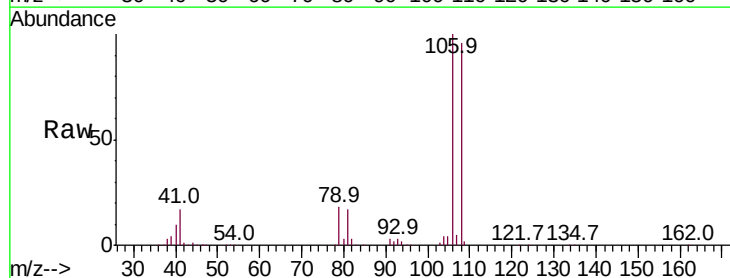
Tgt Ion: 108 Resp: 557006

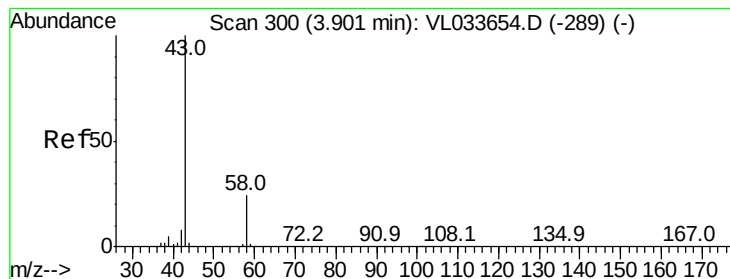
Ion Ratio Lower Upper

108 100

106 107.1 85.8 128.6

79 19.0 15.2 22.8





#15

Acetone

Concen: 9.613 ppbv

RT: 3.90 min Scan# 300

Delta R.T. 0.00 min

Lab File: VL033654.D

Acq: 6 May 2019 10:59

Instrument :

MSVOA_L

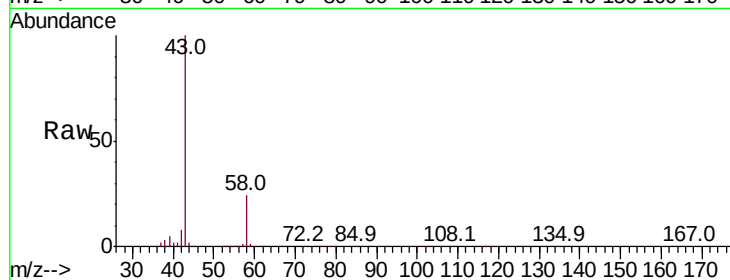
ClientSampleId :

Tot Ion: 43 Resp: 1250964

Ion Ratio Lower Upper

43 100

58 26.1 20.9 31.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

1000000

800000

600000

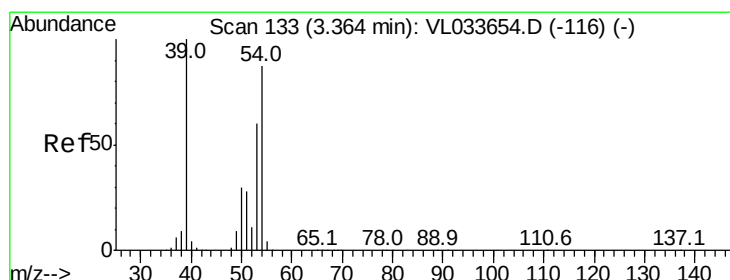
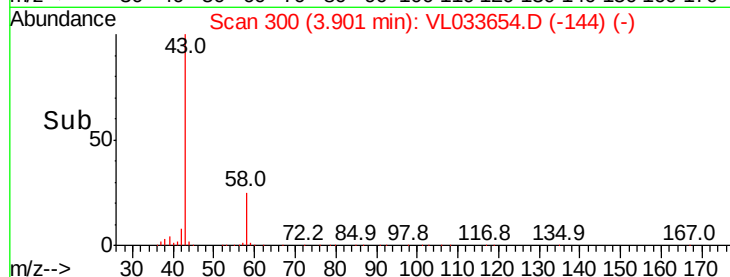
400000

200000

0

3.85 3.90 3.95

Time-->



#16

1,3-Butadiene

Concen: 10.474 ppbv

RT: 3.36 min Scan# 133

Delta R.T. 0.00 min

Lab File: VL033654.D

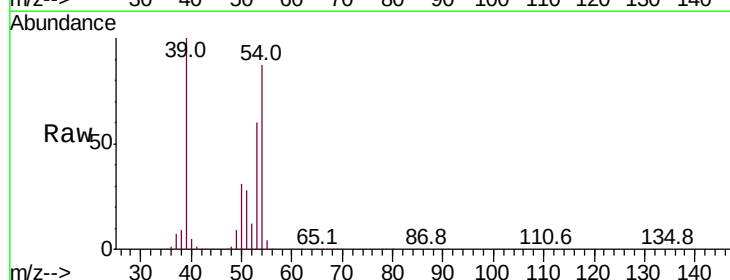
Acq: 6 May 2019 10:59

Tgt Ion: 39 Resp: 606851

Ion Ratio Lower Upper

39 100

54 83.7 67.0 100.4



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

500000

400000

300000

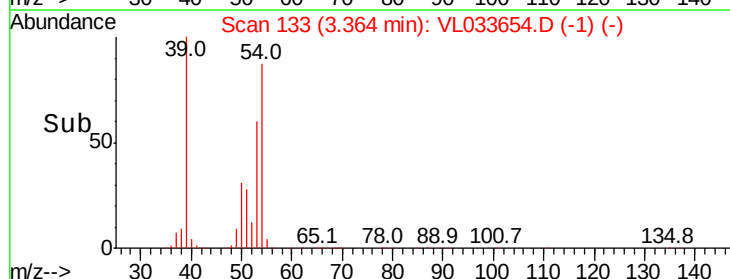
200000

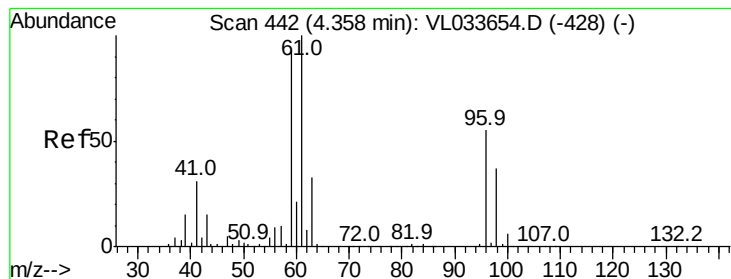
100000

0

3.30 3.35 3.40 3.45

Time-->



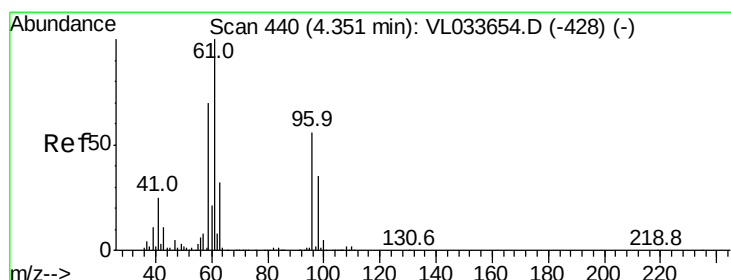
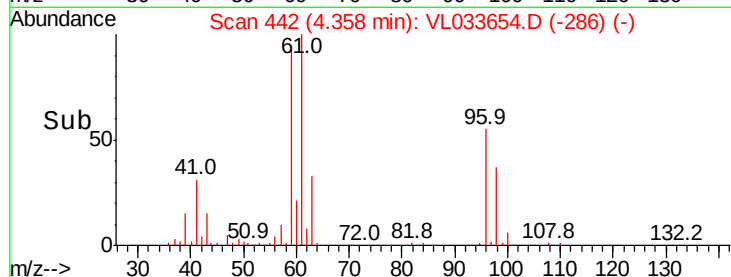
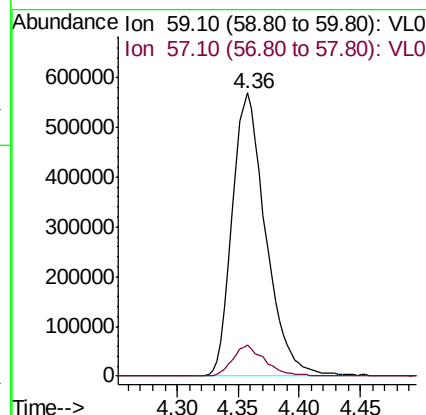
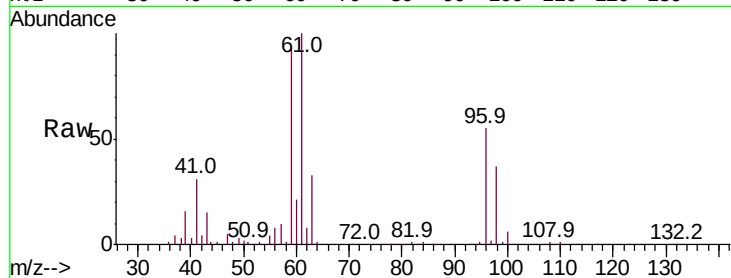


#17

tert-Butyl alcohol
Concen: 9.992 ppbv
RT: 4.36 min Scan# 442
Delta R.T. 0.00 min
Lab File: VL033654.D
Acq: 6 May 2019 10:59

Instrument :
MSVOA_L
ClientSampled :

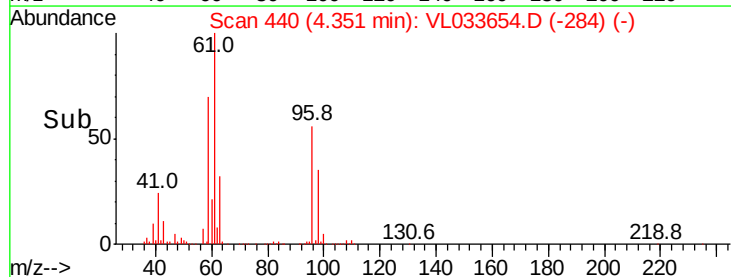
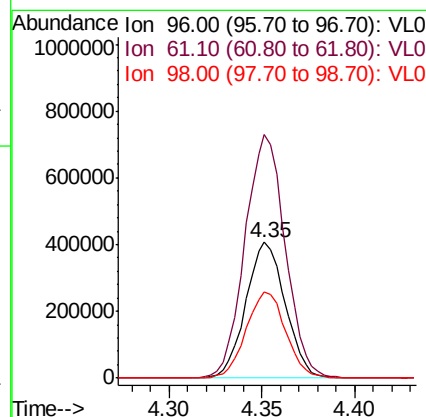
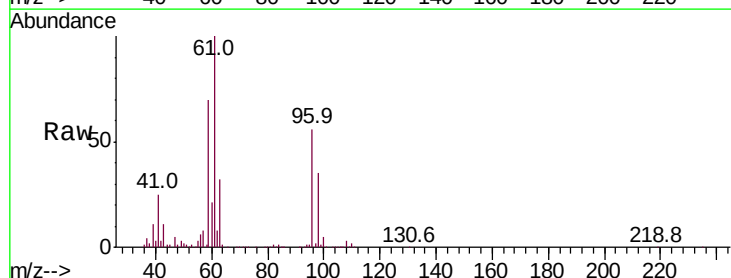
Tot Ion: 59 Resp: 1093552
Ion Ratio Lower Upper
59 100
57 10.5 8.4 12.6

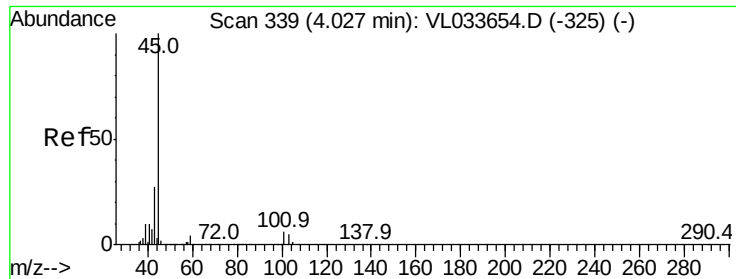


#18

1,1-Dichloroethene
Concen: 10.529 ppbv
RT: 4.35 min Scan# 440
Delta R.T. 0.00 min
Lab File: VL033654.D
Acq: 6 May 2019 10:59

Tgt Ion: 96 Resp: 602073
Ion Ratio Lower Upper
96 100
61 179.2 143.4 215.0
98 63.0 50.4 75.6





#19

Isopropyl Alcohol

Concen: 9.729 ppbv

RT: 4.03 min Scan# 339

Delta R.T. 0.00 min

Lab File: VL033654.D

Acq: 6 May 2019 10:59

Instrument :

MSVOA_L

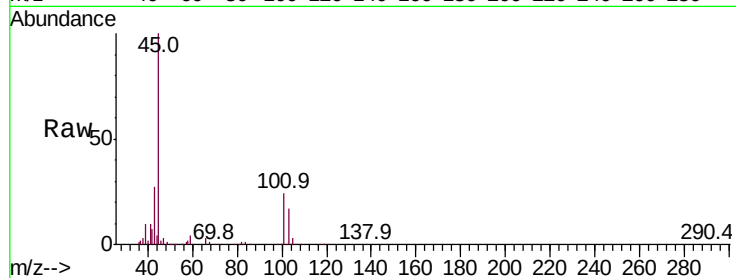
ClientSampleId :

Tot Ion: 45 Resp: 845597

Ion Ratio Lower Upper

45 100

58 2.5 1.9 2.9



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.03

500000

400000

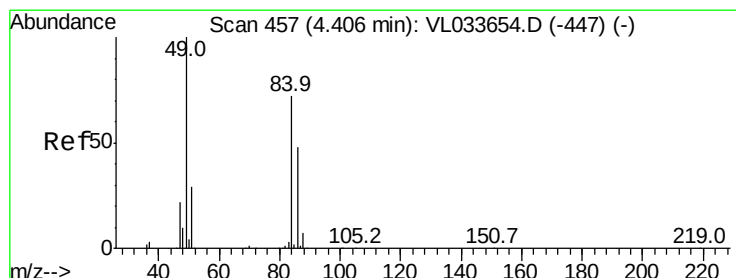
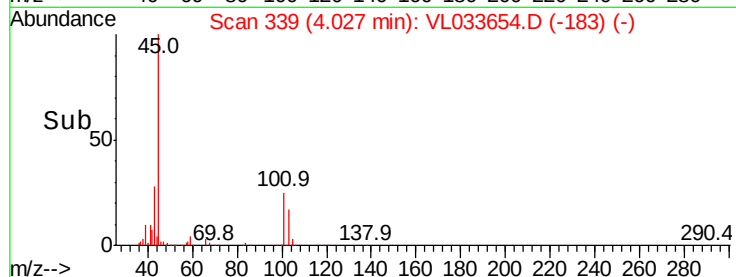
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 9.928 ppbv

RT: 4.41 min Scan# 457

Delta R.T. 0.00 min

Lab File: VL033654.D

Acq: 6 May 2019 10:59

Tgt Ion: 84 Resp: 505376

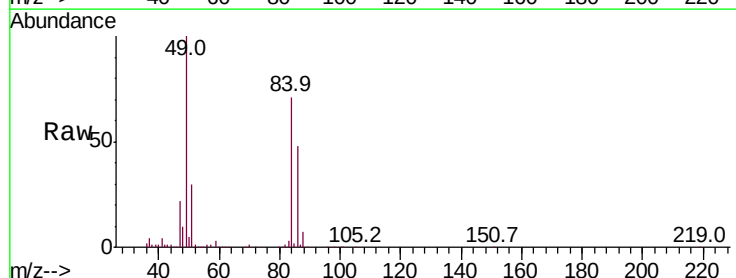
Ion Ratio Lower Upper

84 100

49 139.7 111.8 167.6

51 40.4 32.3 48.5

86 67.4 53.9 80.9



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

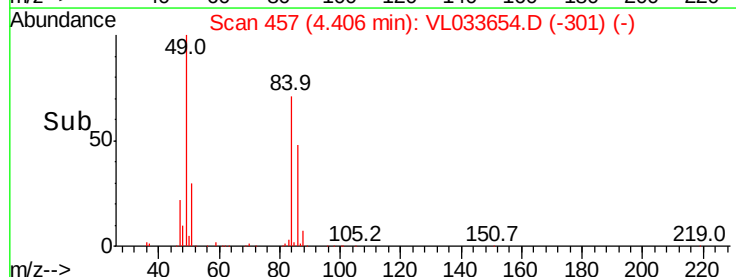
600000

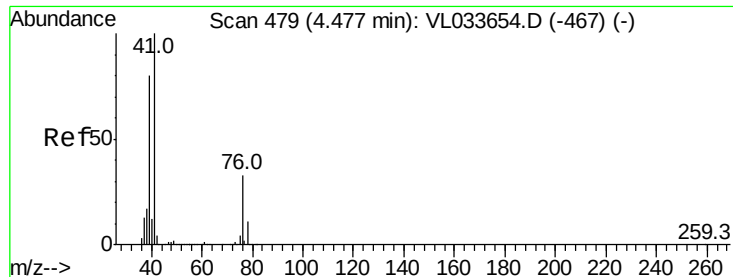
400000

200000

0

Time-->





#21

Allvl Chloride

Concen: 10.791 ppbv

RT: 4.48 min Scan# 479

Delta R.T. 0.00 min

Lab File: VL033654.D

Acq: 6 May 2019 10:59

Instrument :
MSVOA_L
ClientSampleId :

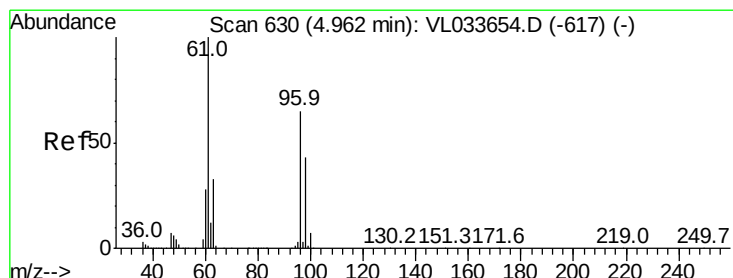
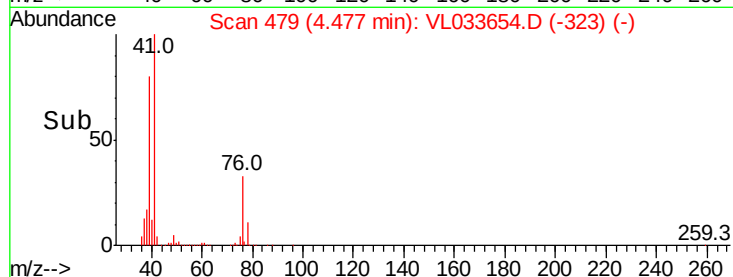
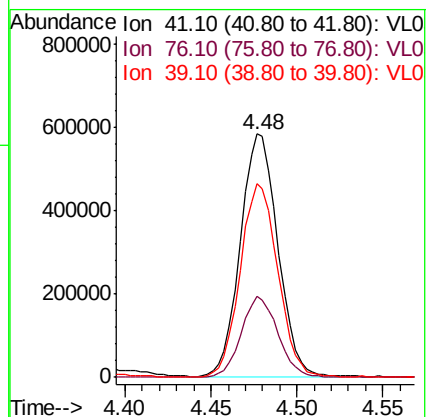
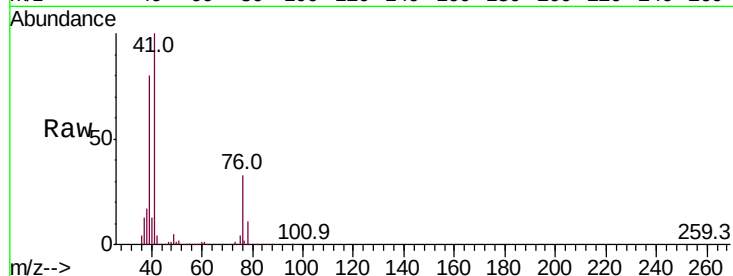
Tot Ion: 41 Resp: 879372

Ion Ratio Lower Upper

41 100

76 32.5 26.0 39.0

39 80.5 64.4 96.6



#22

trans-1,2-Dichloroethene

Concen: 11.002 ppbv

RT: 4.96 min Scan# 630

Delta R.T. 0.00 min

Lab File: VL033654.D

Acq: 6 May 2019 10:59

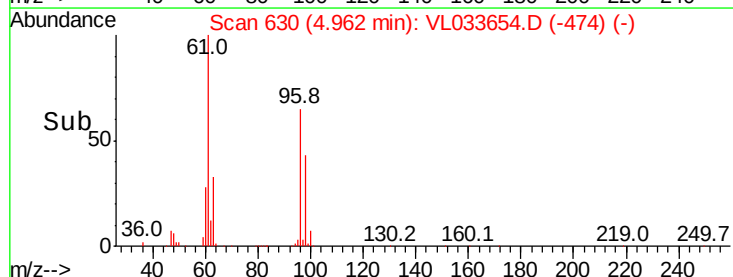
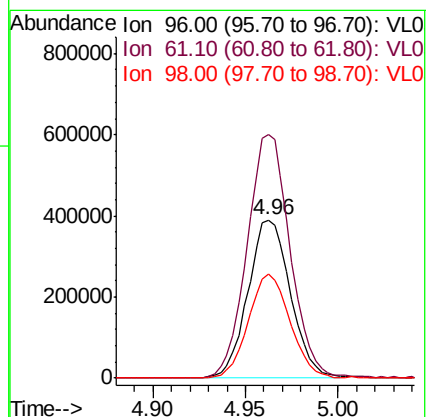
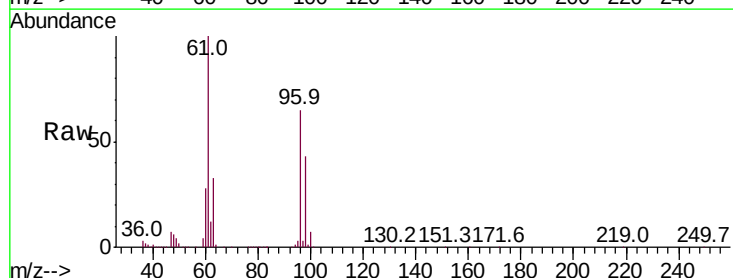
Tgt Ion: 96 Resp: 621140

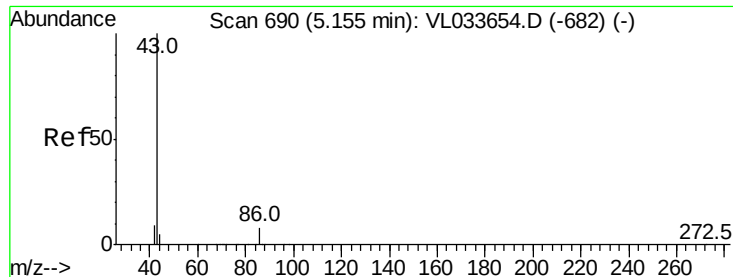
Ion Ratio Lower Upper

96 100

61 153.9 123.1 184.7

98 65.8 52.6 79.0





#23

Vinyl Acetate

Concen: 10.395 ppbv

RT: 5.16 min Scan# 690

Delta R.T. 0.00 min

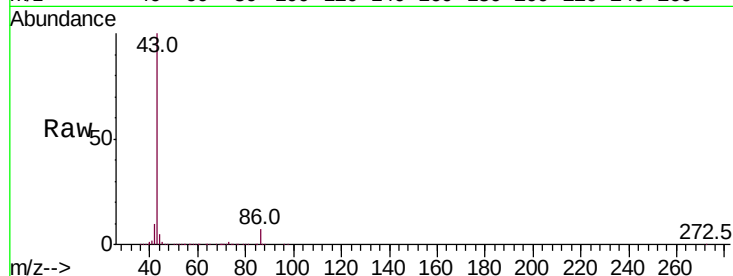
Lab File: VL033654.D

Acq: 6 May 2019 10:59

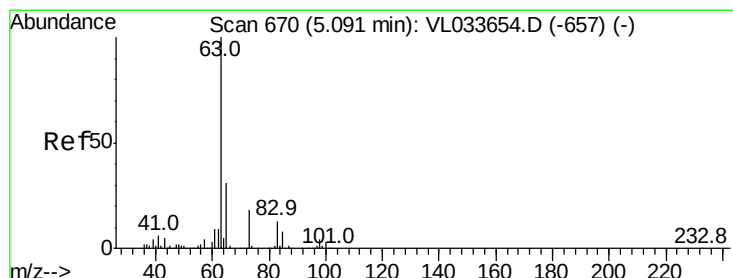
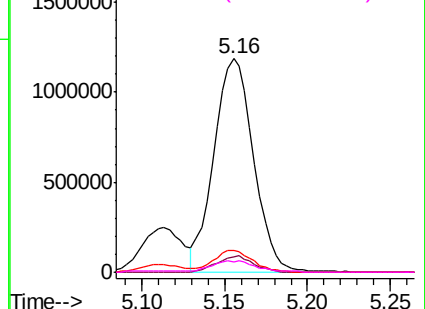
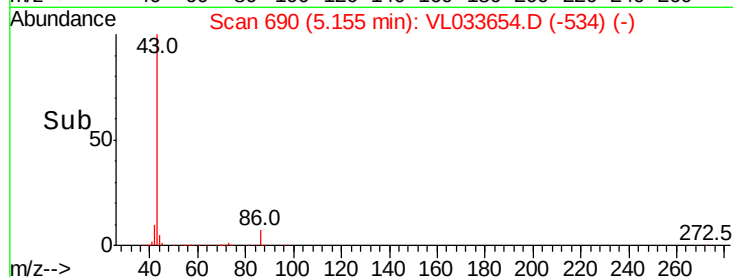
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 1960319

Ion	Ratio	Lower	Upper
43	100		
86	7.5	6.0	9.0
42	10.0	8.0	12.0
44	4.9	3.9	5.9



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.684 ppbv

RT: 5.09 min Scan# 670

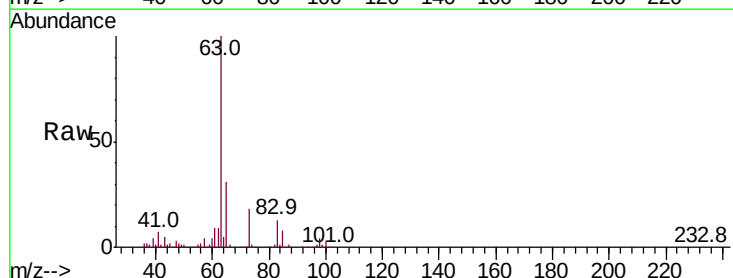
Delta R.T. 0.00 min

Lab File: VL033654.D

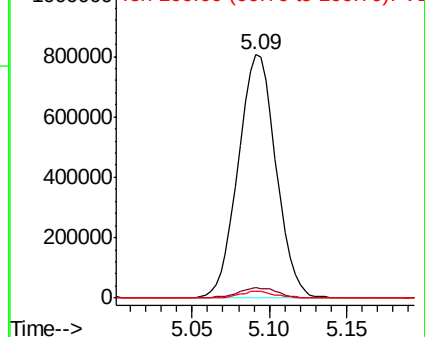
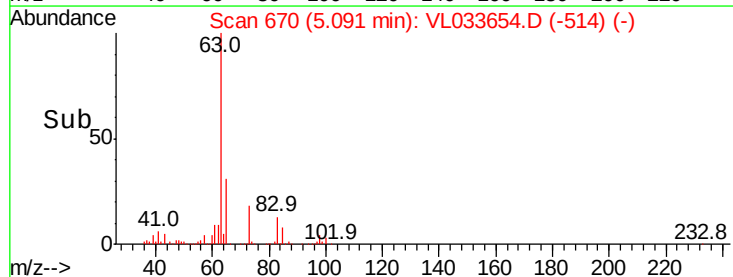
Acq: 6 May 2019 10:59

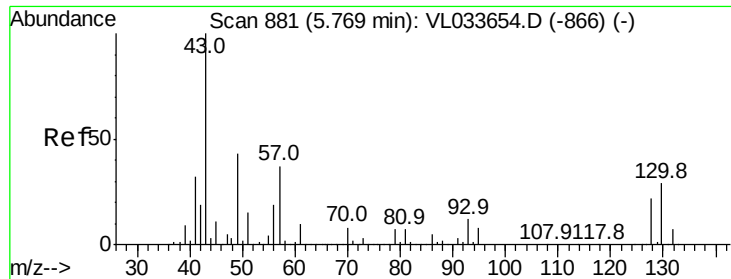
Tgt Ion: 63 Resp: 1365981

Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.1	6.2
100	2.9	1.5	4.4



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0



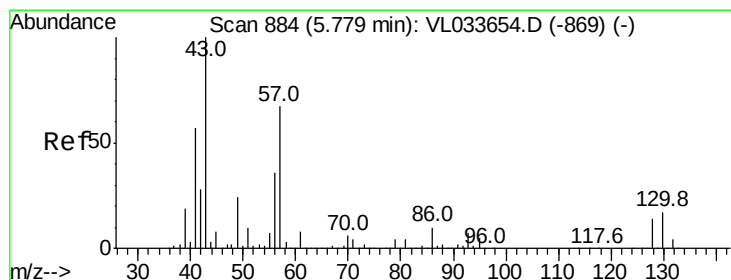
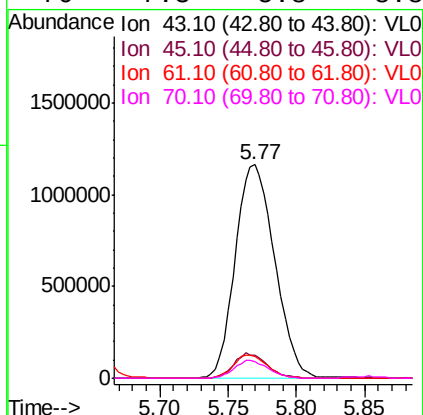
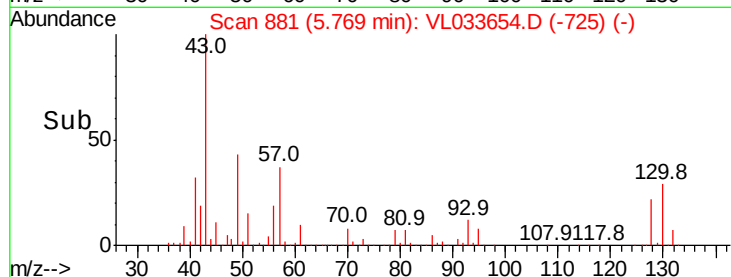
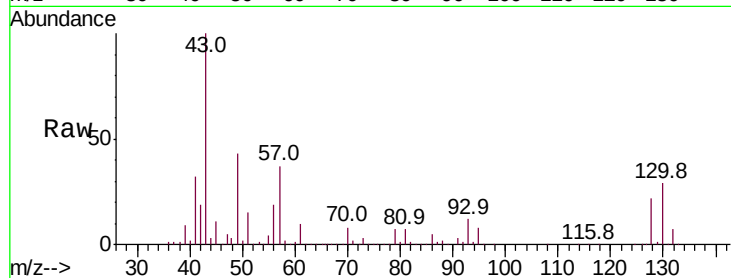


#25
Ethyl Acetate
Concen: 9.712 ppbv
RT: 5.77 min Scan# 881
Delta R.T. 0.00 min
Lab File: VL033654.D
Acq: 6 May 2019 10:59

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2337431

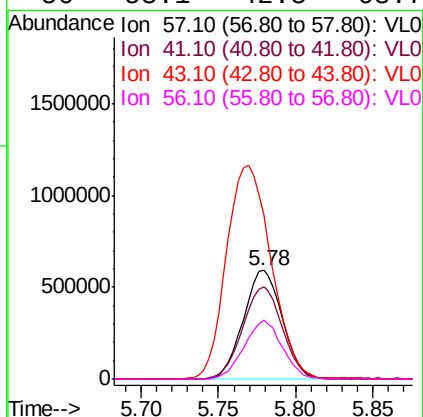
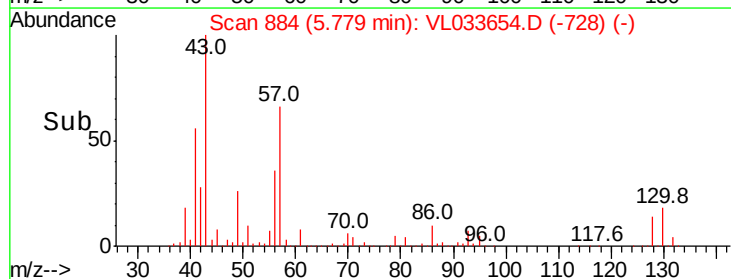
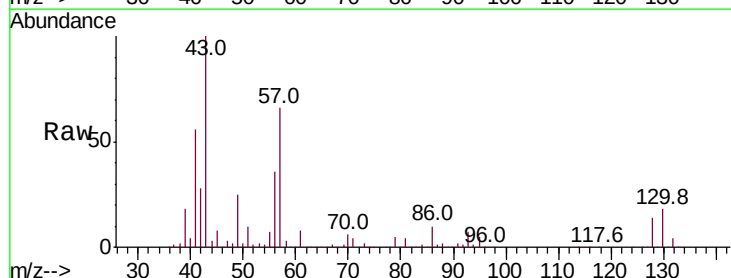
Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.0	12.0
61	9.4	7.5	11.3
70	7.3	5.8	8.8

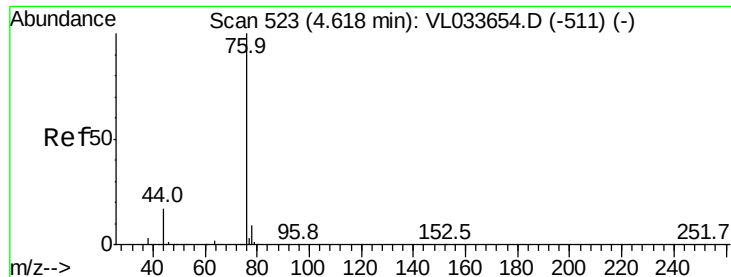


#26
Hexane
Concen: 10.142 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.00 min
Lab File: VL033654.D
Acq: 6 May 2019 10:59

Tgt Ion: 57 Resp: 1032682

Ion	Ratio	Lower	Upper
57	100		
41	87.1	69.7	104.5
43	227.4	181.9	272.9
56	53.1	42.5	63.7





#27

Carbon Disulfide

Concen: 11.839 ppbv

RT: 4.62 min Scan# 523

Delta R.T. 0.00 min

Lab File: VL033654.D

Acq: 6 May 2019 10:59

Instrument :

MSVOA_L

ClientSampleId :

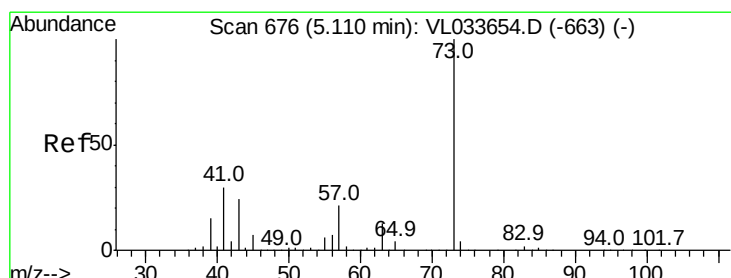
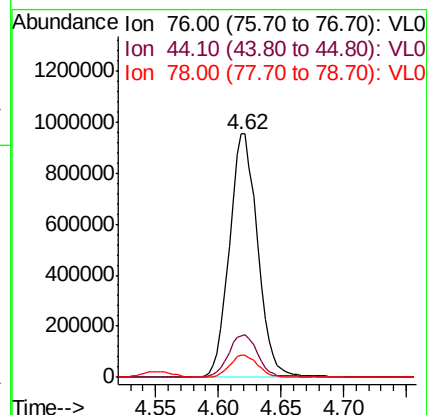
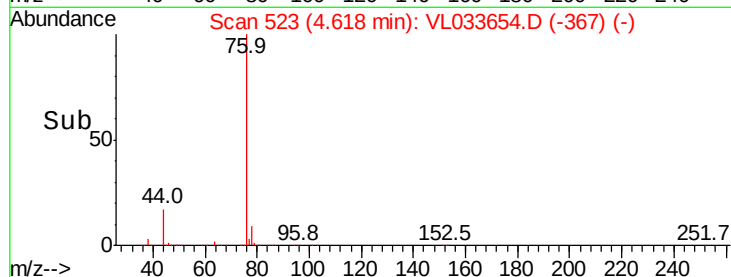
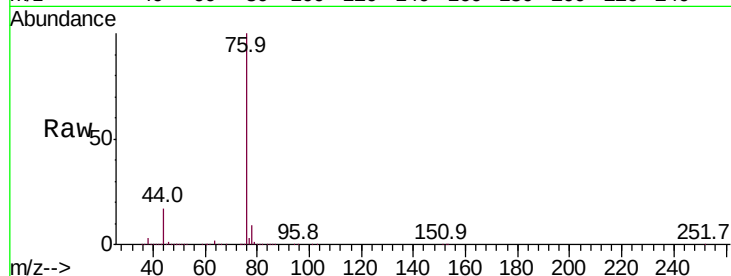
Tot Ion: 76 Resp: 1497054

Ion Ratio Lower Upper

76 100

44 18.0 14.4 21.6

78 9.3 7.4 11.2



#28

Methyl tert-Butyl Ether

Concen: 10.341 ppbv

RT: 5.11 min Scan# 676

Delta R.T. 0.00 min

Lab File: VL033654.D

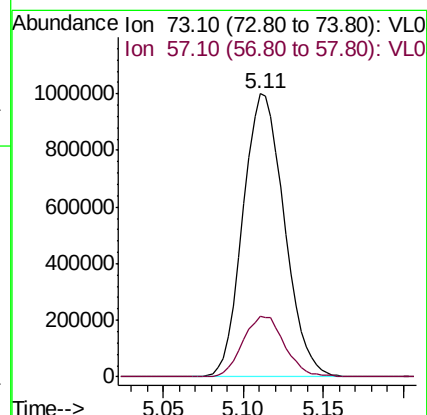
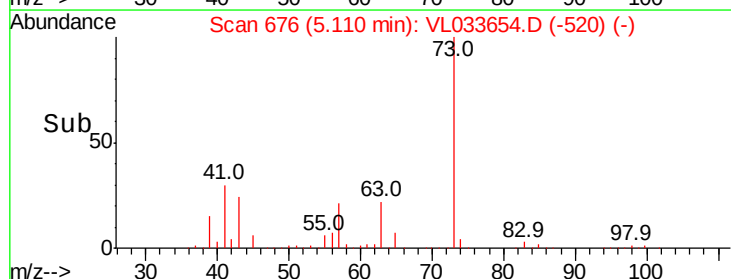
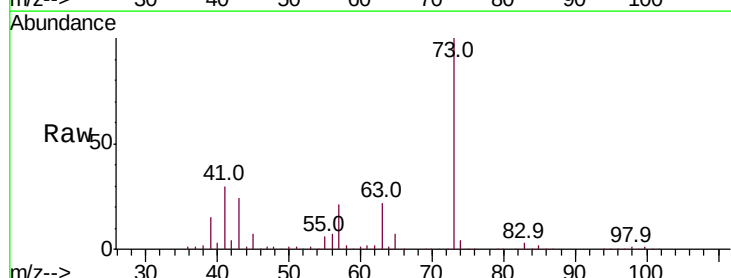
Acq: 6 May 2019 10:59

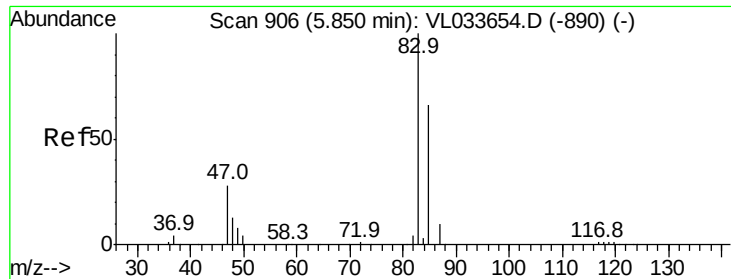
Tgt Ion: 73 Resp: 1769182

Ion Ratio Lower Upper

73 100

57 21.7 17.4 26.0

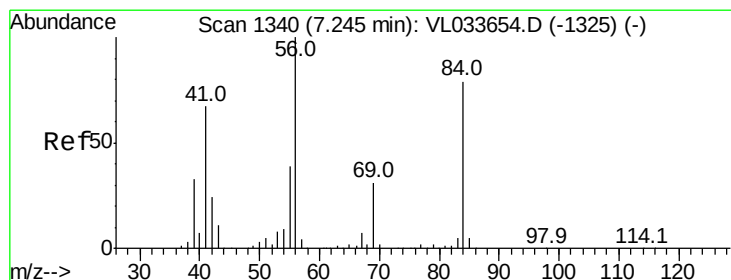
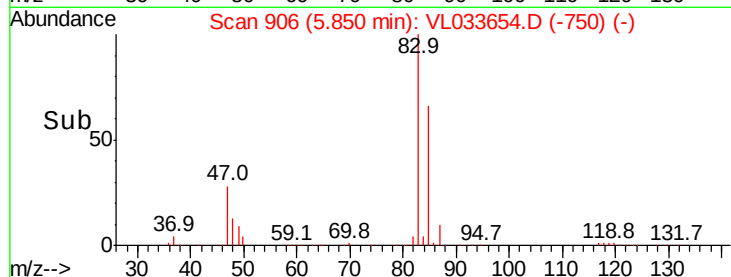
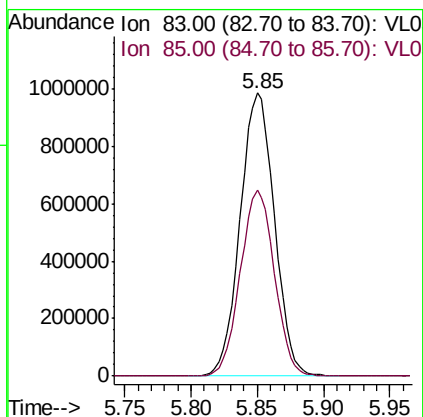
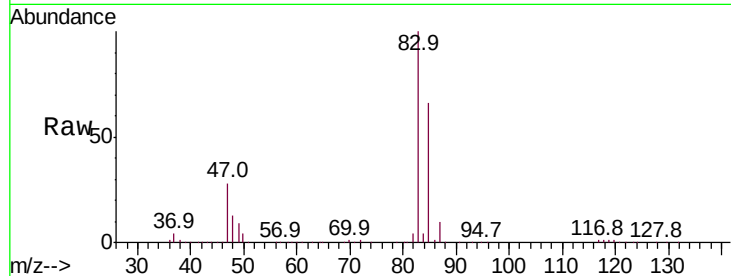




#29
Chloroform
Concen: 9.519 ppbv
RT: 5.85 min Scan# 906
Delta R.T. 0.00 min
Lab File: VL033654.D
Acq: 6 May 2019 10:59

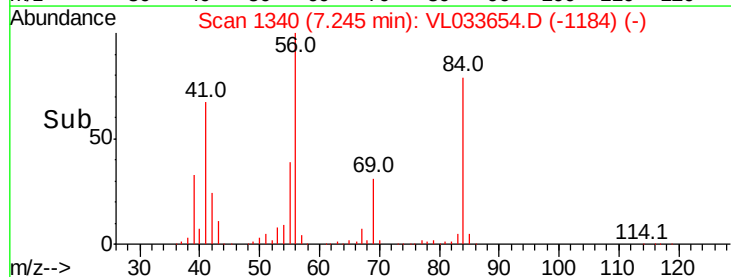
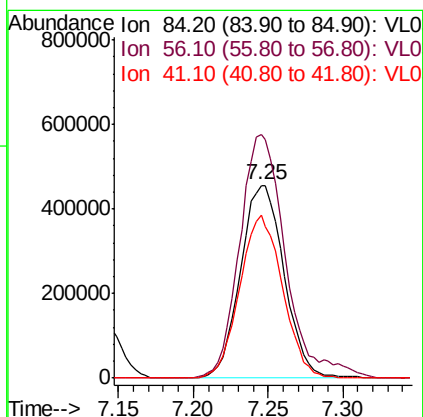
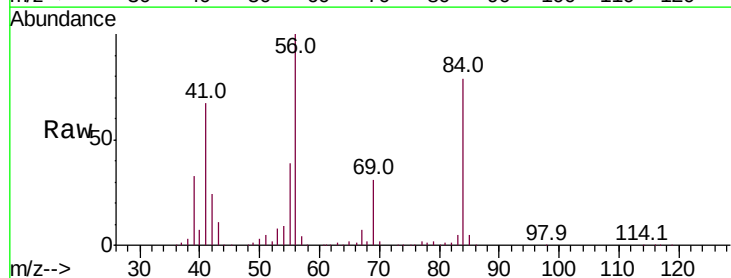
Instrument :
MSVOA_L
ClientSampleId :

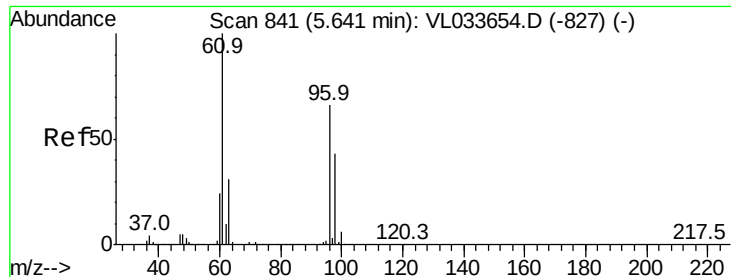
Tot Ion: 83 Resp: 1772746
Ion Ratio Lower Upper
83 100
85 65.7 52.6 78.8



#30
Cyclohexane
Concen: 10.699 ppbv
RT: 7.25 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VL033654.D
Acq: 6 May 2019 10:59

Tgt Ion: 84 Resp: 923609
Ion Ratio Lower Upper
84 100
56 133.7 107.0 160.4
41 83.2 66.6 99.8



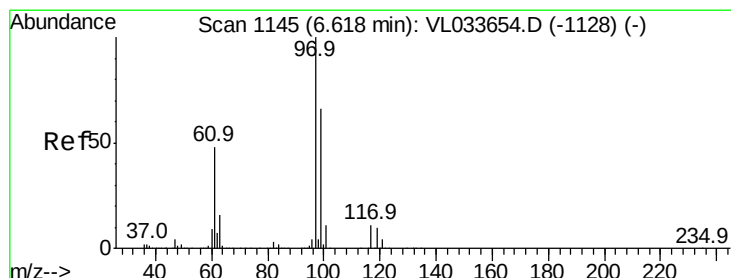
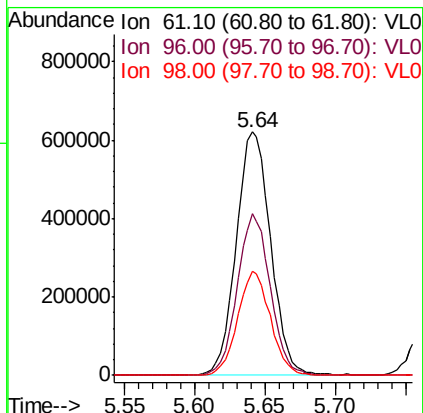
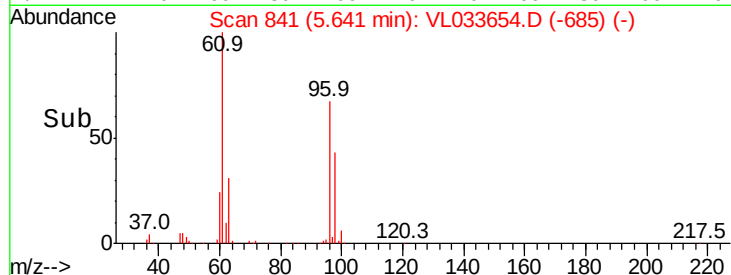
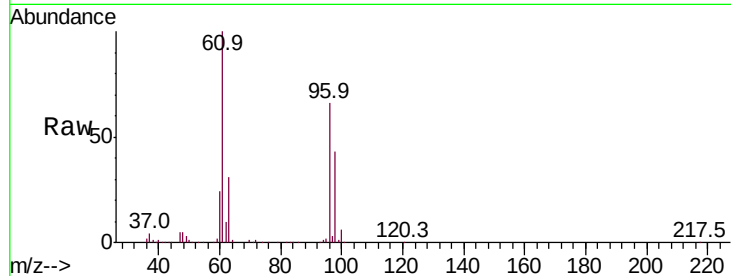


#31

cis-1,2-Dichloroethene
Concen: 10.368 ppbv
RT: 5.64 min Scan# 841
Delta R.T. 0.00 min
Lab File: VL033654.D
Acq: 6 May 2019 10:59

Instrument :
MSVOA_L
ClientSampleId :

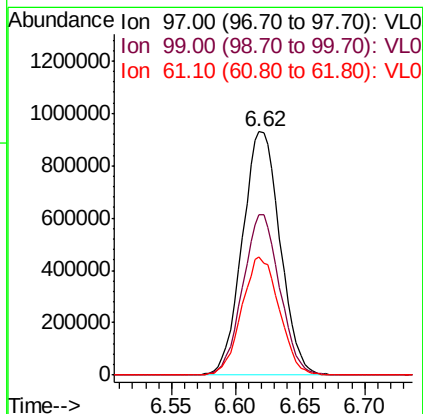
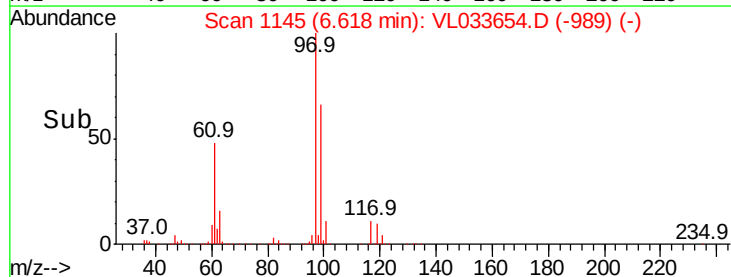
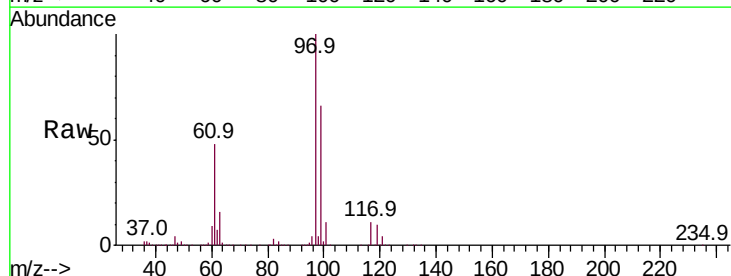
Tot Ion: 61 Resp: 1063557
Ion Ratio Lower Upper
61 100
96 66.5 53.2 79.8
98 42.8 34.2 51.4

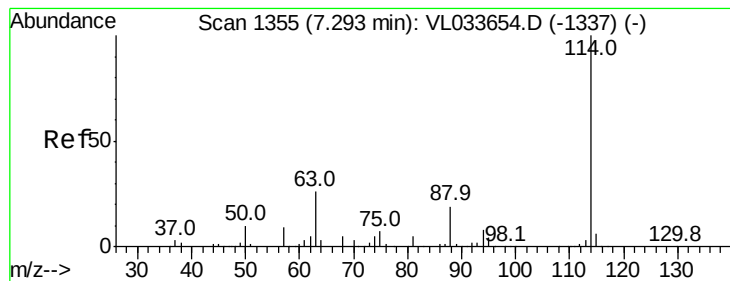


#32

1,1,1-Trichloroethane
Concen: 9.727 ppbv
RT: 6.62 min Scan# 1145
Delta R.T. 0.00 min
Lab File: VL033654.D
Acq: 6 May 2019 10:59

Tgt Ion: 97 Resp: 1897936
Ion Ratio Lower Upper
97 100
99 64.3 51.5 77.3
61 48.1 38.5 57.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1355

Delta R.T. 0.00 min

Lab File: VL033654.D

Acq: 6 May 2019 10:59

Instrument :

MSVOA_L

ClientSampleId :

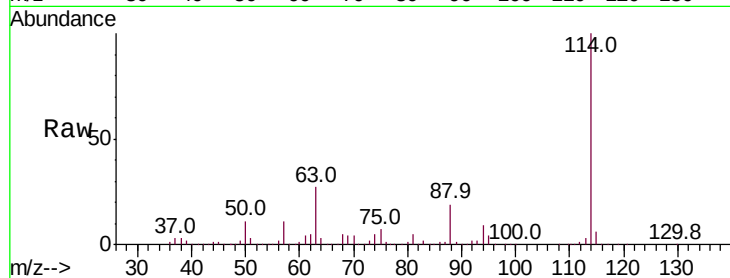
Tot Ion:114 Resp: 2508739

Ion Ratio Lower Upper

114 100

63 26.6 21.2 31.8

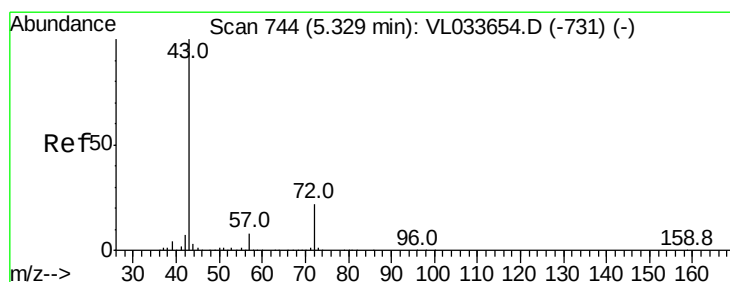
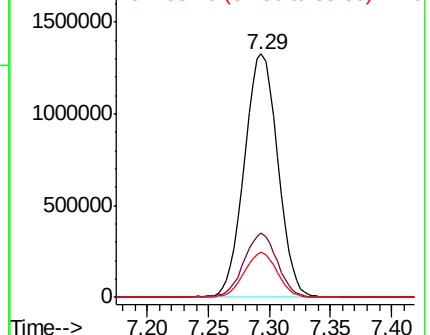
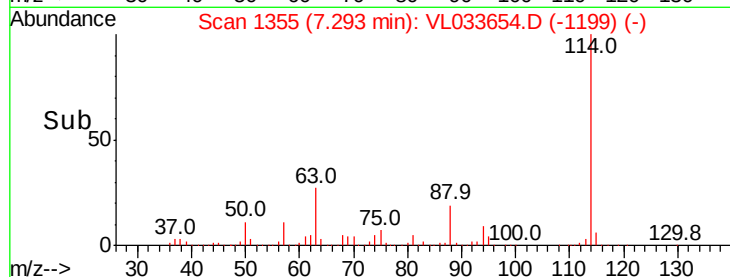
88 18.0 14.4 21.6



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: 9.968 ppbv

RT: 5.33 min Scan# 744

Delta R.T. 0.00 min

Lab File: VL033654.D

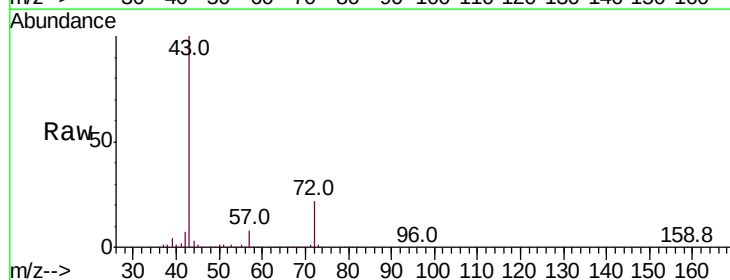
Acq: 6 May 2019 10:59

Tgt Ion: 43 Resp: 1546914

Ion Ratio Lower Upper

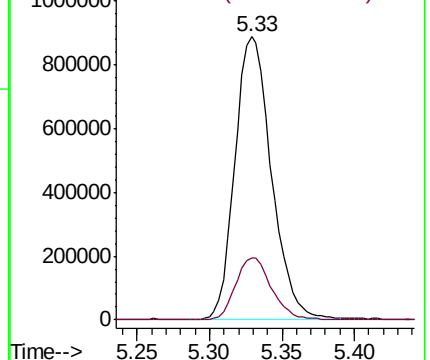
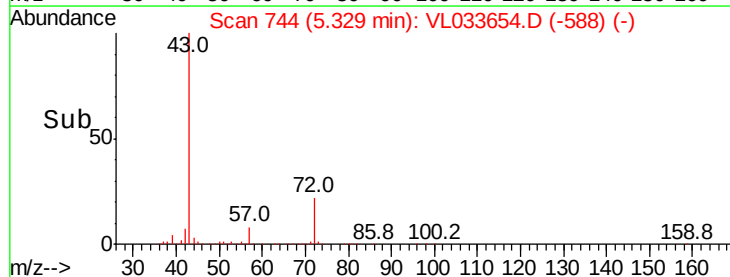
43 100

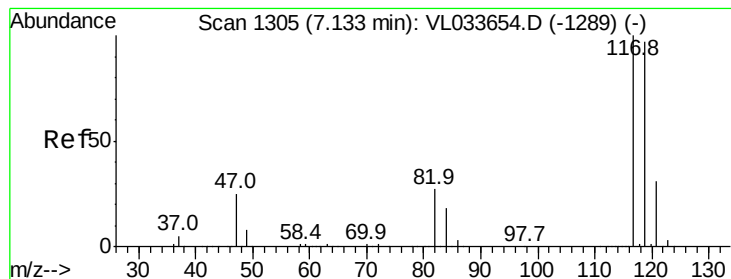
72 21.9 17.4 26.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 10.180 ppbv

RT: 7.13 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VL033654.D

Acq: 6 May 2019 10:59

Instrument :

MSVOA_L

ClientSampleId :

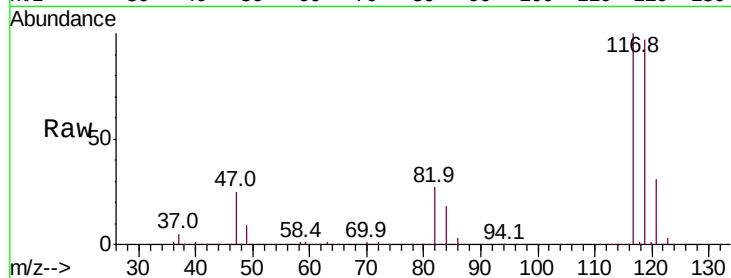
Tot Ion:117 Resp: 2049786

Ion Ratio Lower Upper

117 100

119 97.4 77.9 116.9

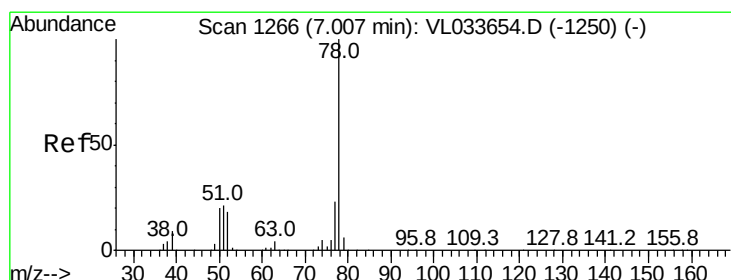
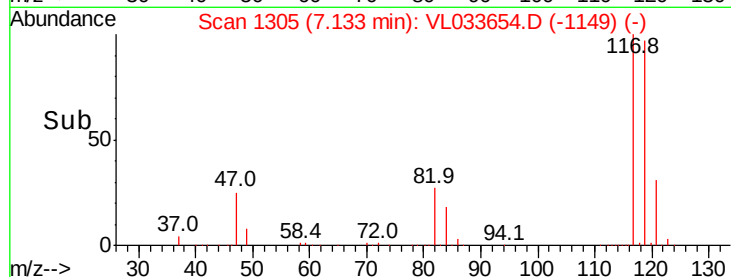
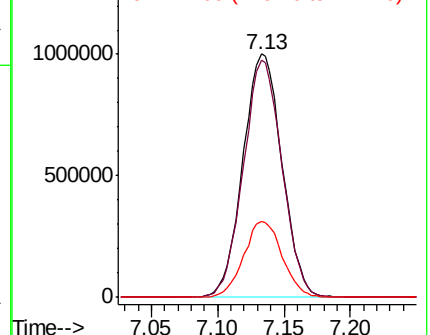
121 31.3 25.0 37.6



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: 10.380 ppbv

RT: 7.01 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VL033654.D

Acq: 6 May 2019 10:59

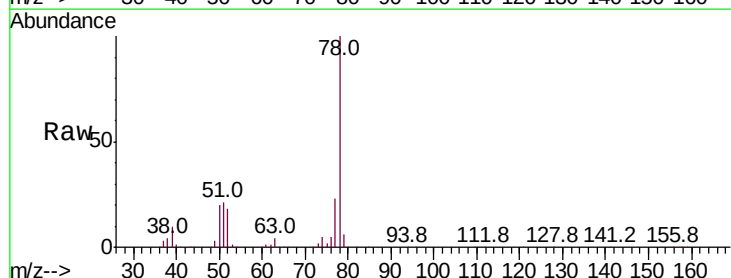
Tgt Ion: 78 Resp: 2254828

Ion Ratio Lower Upper

78 100

77 22.7 18.2 27.2

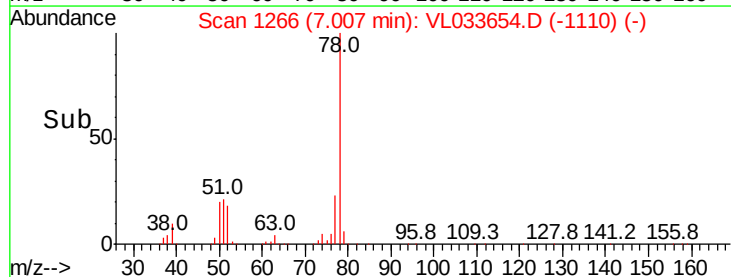
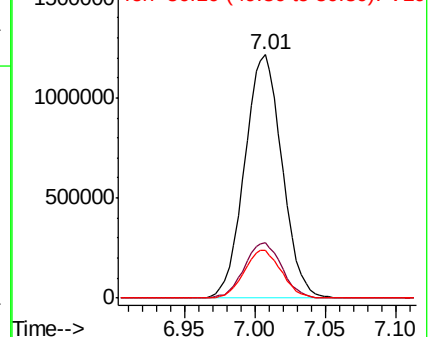
50 19.7 15.8 23.6

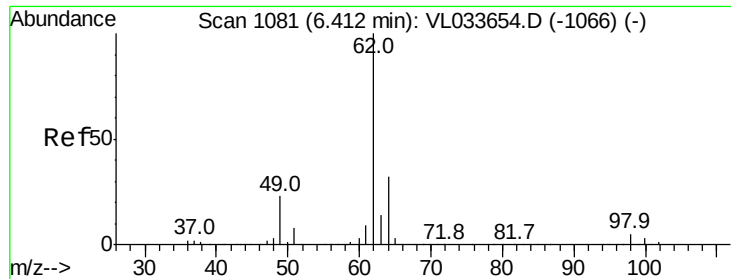


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

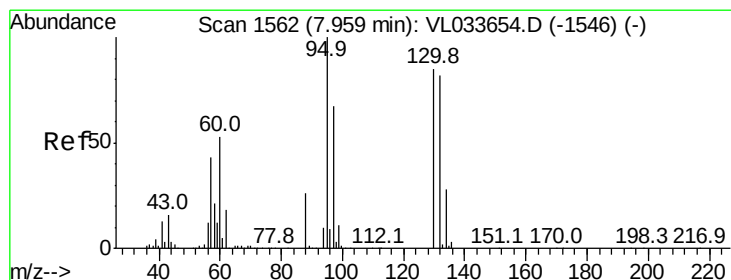
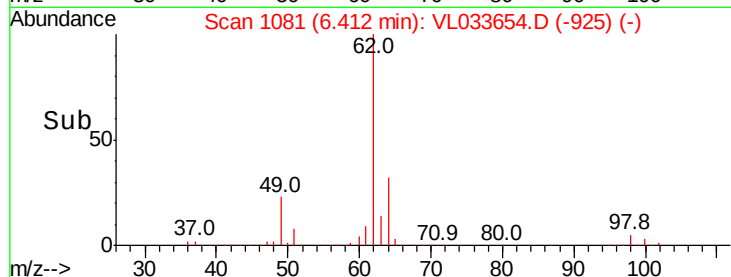
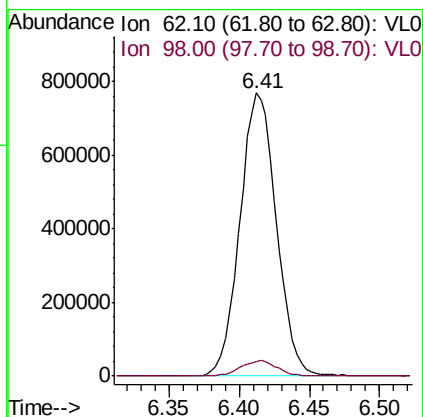
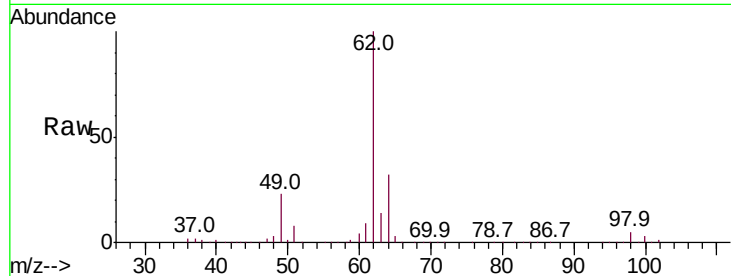




#37
 1,2-Dichloroethane
 Concen: 9.658 ppbv
 RT: 6.41 min Scan# 1081
 Delta R.T. 0.00 min
 Lab File: VL033654.D
 Acq: 6 May 2019 10:59

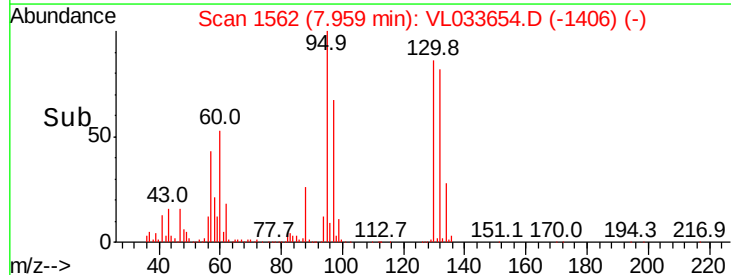
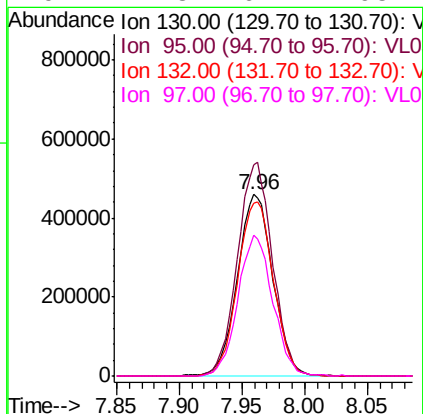
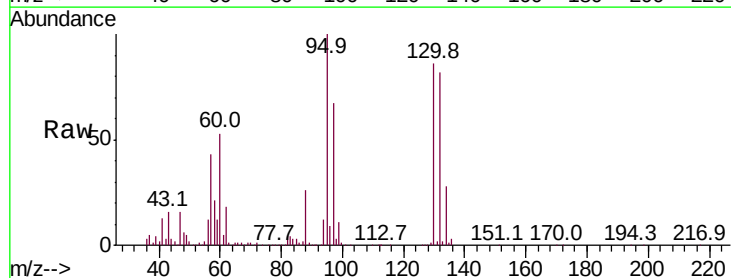
Instrument :
 MSVOA_L
 ClientSampleId :

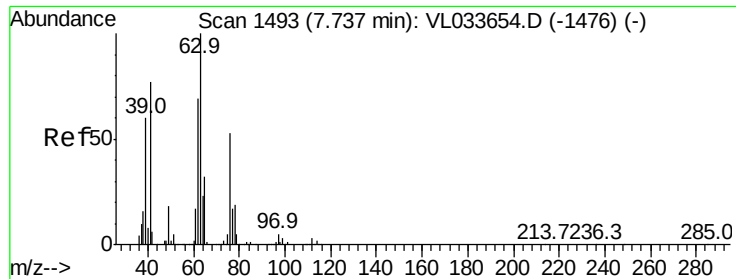
Tot Ion: 62 Resp: 1392619
 Ion Ratio Lower Upper
 62 100
 98 5.6 4.5 6.7



#38
 Trichloroethene
 Concen: 10.458 ppbv
 RT: 7.96 min Scan# 1562
 Delta R.T. 0.00 min
 Lab File: VL033654.D
 Acq: 6 May 2019 10:59

Tgt Ion:130 Resp: 902480
 Ion Ratio Lower Upper
 130 100
 95 116.7 93.4 140.0
 132 95.3 76.2 114.4
 97 77.8 62.2 93.4





#39

1,2-Dichloropropane

Concen: 10.230 ppbv

RT: 7.74 min Scan# 1493

Delta R.T. 0.00 min

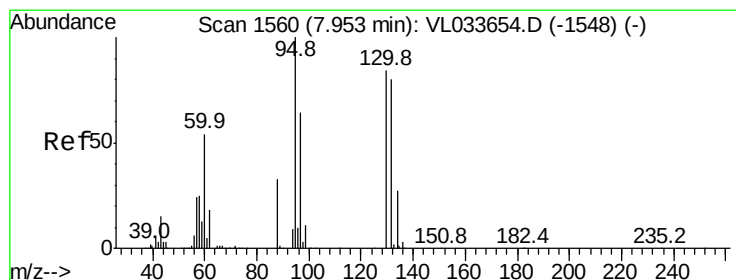
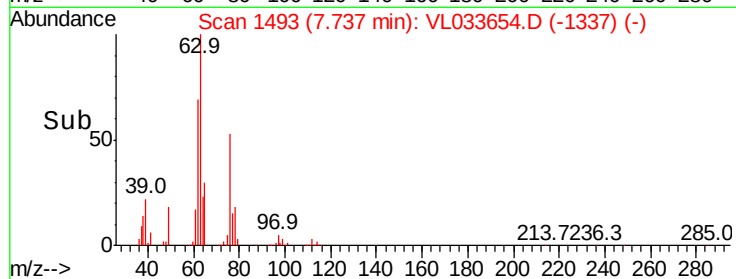
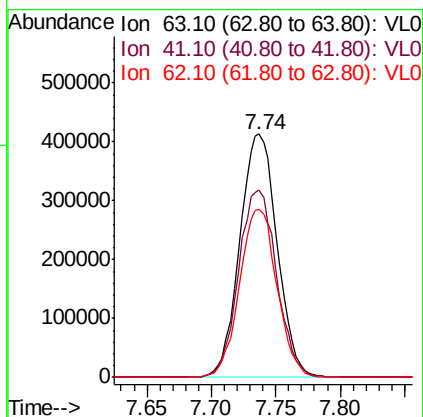
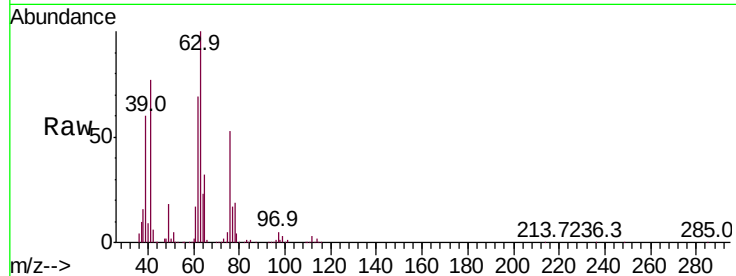
Lab File: VL033654.D

Acq: 6 May 2019 10:59

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 63 Resp: 833013

Ion	Ratio	Lower	Upper
63	100		
41	77.0	61.6	92.4
62	68.8	55.0	82.6



#40

1,4-Dioxane

Concen: 10.201 ppbv

RT: 7.95 min Scan# 1560

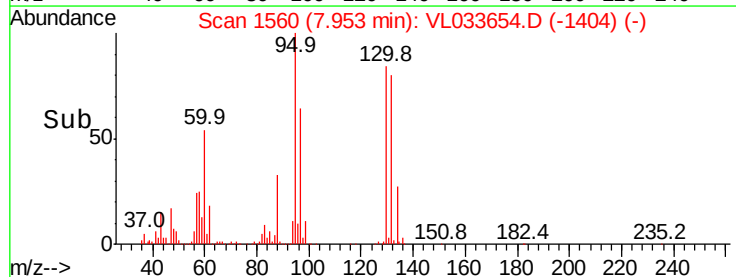
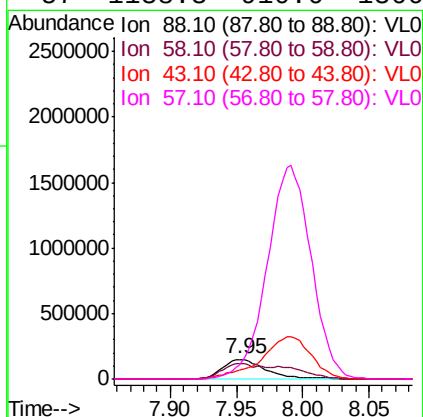
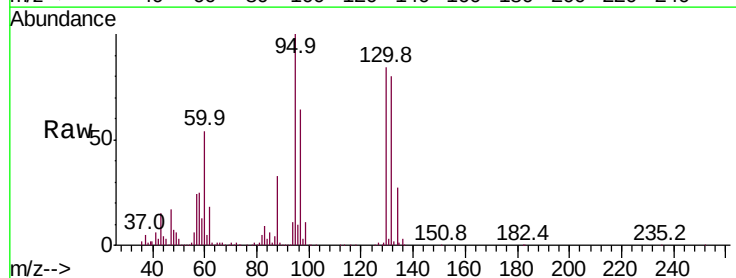
Delta R.T. 0.00 min

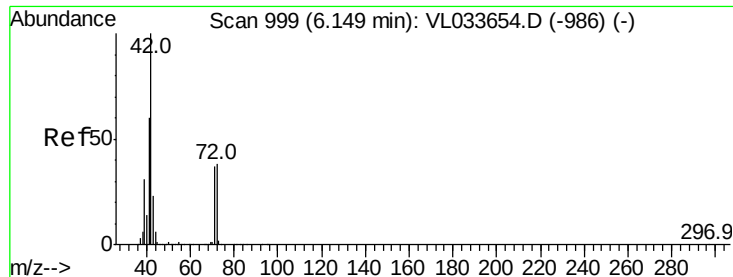
Lab File: VL033654.D

Acq: 6 May 2019 10:59

Tgt Ion: 88 Resp: 333534

Ion	Ratio	Lower	Upper
88	100		
58	127.9	102.3	153.5
43	257.6	206.1	309.1
57	1138.3	910.6	1366.0





#41

Tetrahydrofuran

Concen: 10.515 ppbv

RT: 6.15 min Scan# 999

Delta R.T. 0.00 min

Lab File: VL033654.D

Acq: 6 May 2019 10:59

Instrument :

MSVOA_L

ClientSampleId :

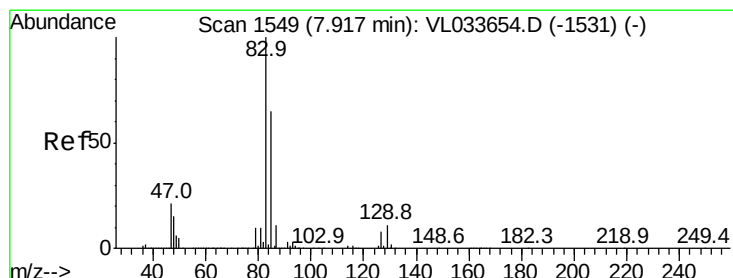
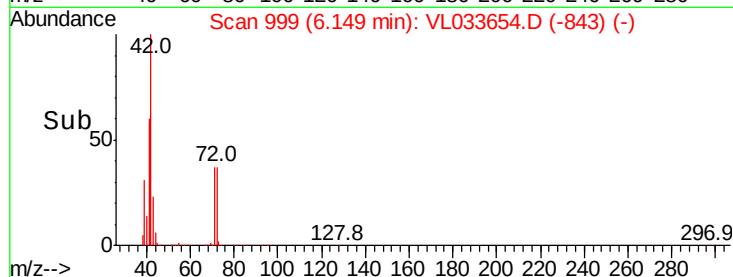
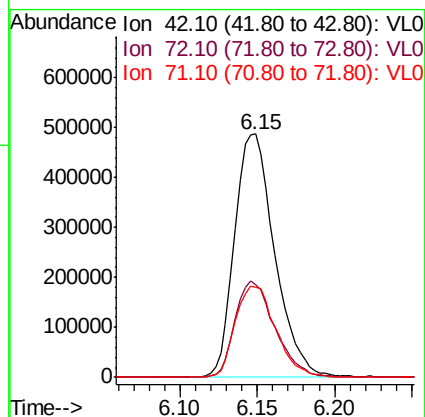
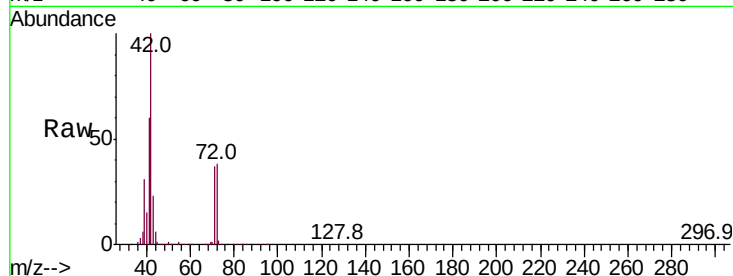
Tot Ion: 42 Resp: 875806

Ion Ratio Lower Upper

42 100

72 39.5 31.6 47.4

71 38.3 30.6 45.8



#42

Bromodichloromethane

Concen: 10.366 ppbv

RT: 7.92 min Scan# 1549

Delta R.T. 0.00 min

Lab File: VL033654.D

Acq: 6 May 2019 10:59

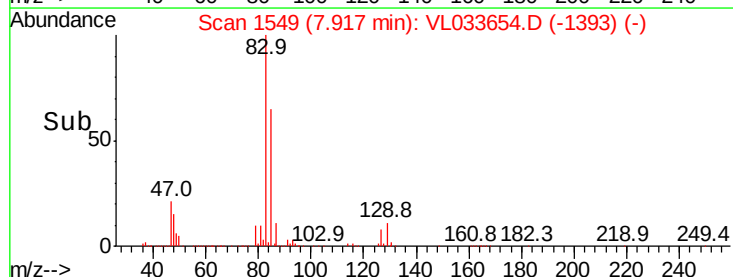
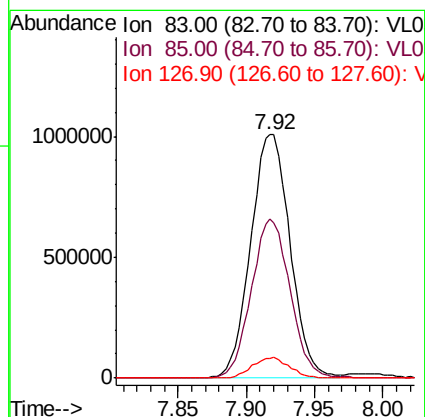
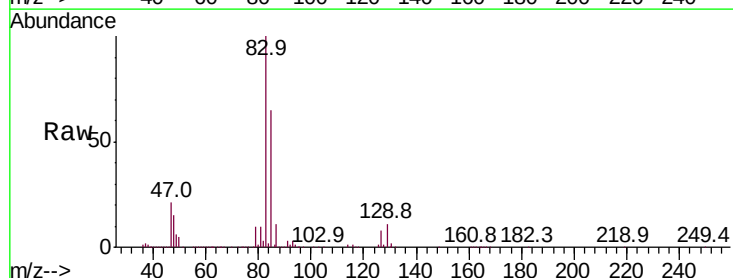
Tgt Ion: 83 Resp: 2025629

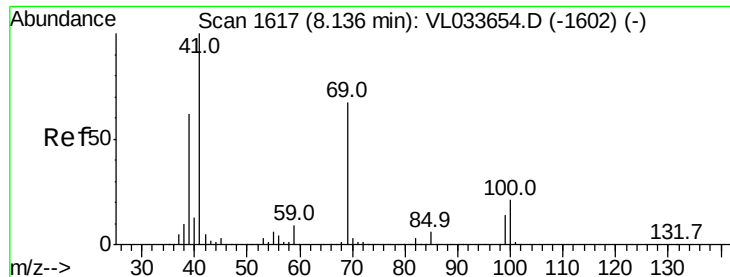
Ion Ratio Lower Upper

83 100

85 65.5 52.4 78.6

127 8.2 6.6 9.8

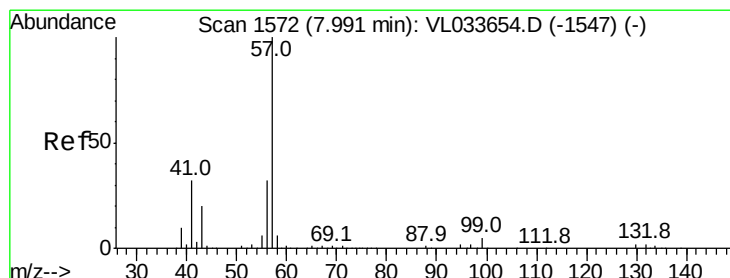
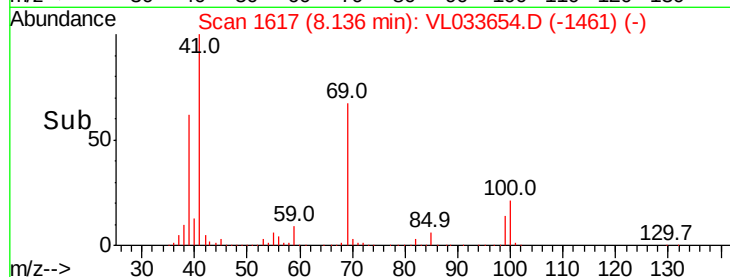
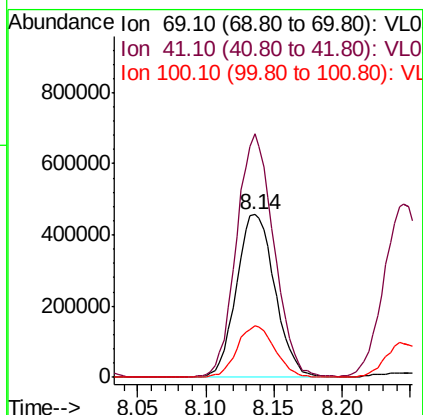
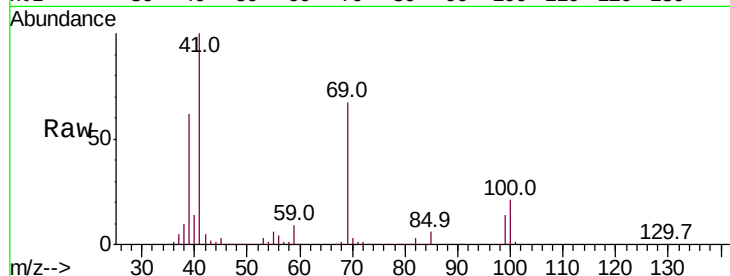




#43
Methvl Methacrylate
Concen: 10.937 ppbv
RT: 8.14 min Scan# 1617
Delta R.T. 0.00 min
Lab File: VL033654.D
Acq: 6 May 2019 10:59

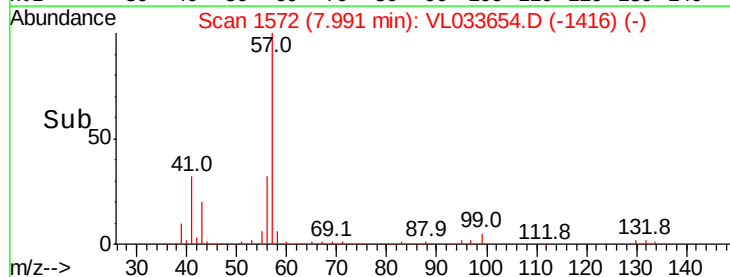
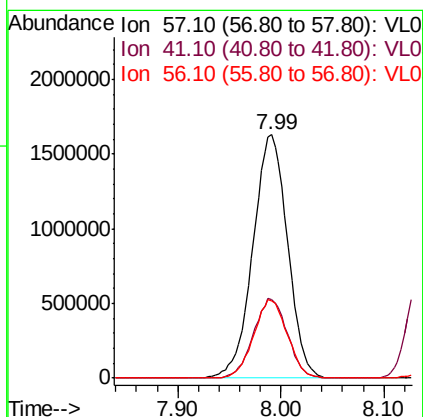
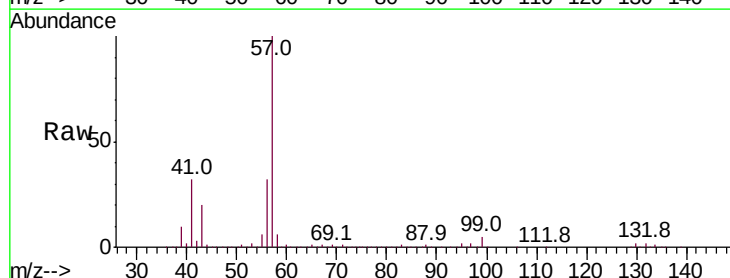
Instrument :
MSVOA_L
ClientSampleId :

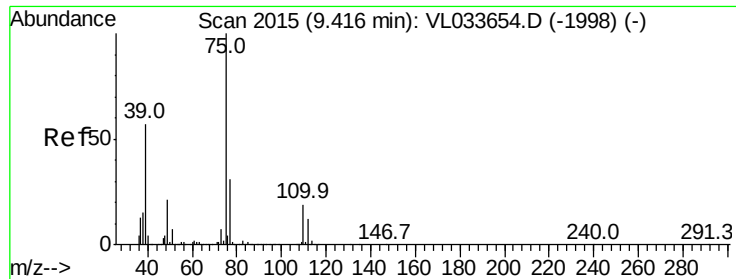
Tot Ion: 69 Resp: 895810
Ion Ratio Lower Upper
69 100
41 145.8 116.5 174.7
100 30.8 24.6 37.0



#44
2,2,4-Trimethylpentane
Concen: 10.051 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VL033654.D
Acq: 6 May 2019 10:59

Tgt Ion: 57 Resp: 3793955
Ion Ratio Lower Upper
57 100
41 32.1 25.7 38.5
56 31.3 25.0 37.6





#45

t-1,3-Dichloropropene

Concen: 11.582 ppbv

RT: 9.42 min Scan# 2015

Delta R.T. 0.00 min

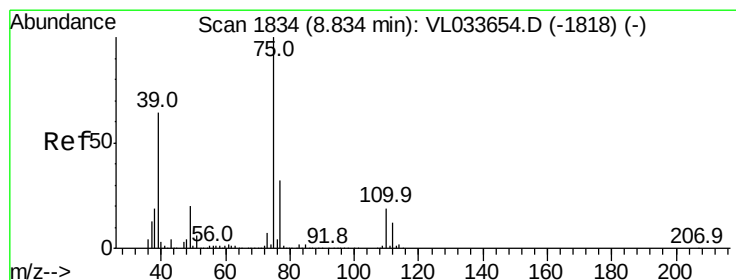
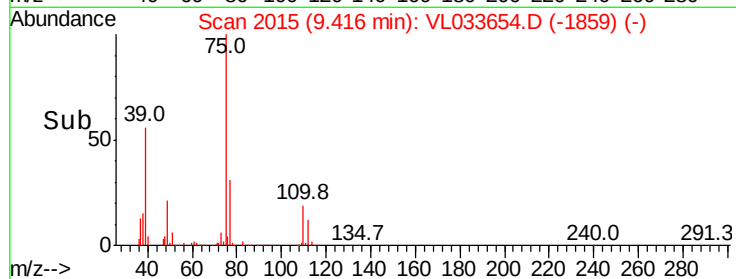
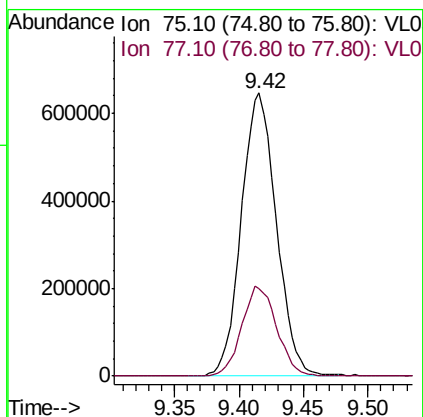
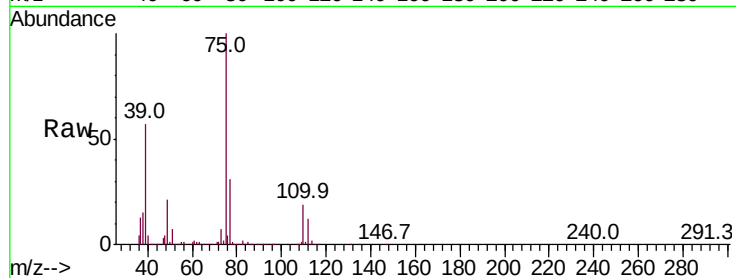
Lab File: VL033654.D

Acq: 6 May 2019 10:59

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 75 Resp: 1224160

Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.7	37.1



#46

cis-1,3-Dichloropropene

Concen: 11.576 ppbv

RT: 8.83 min Scan# 1834

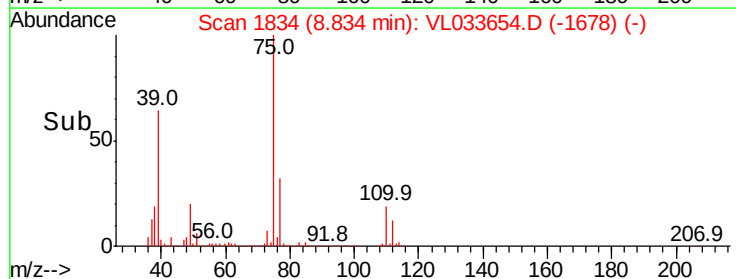
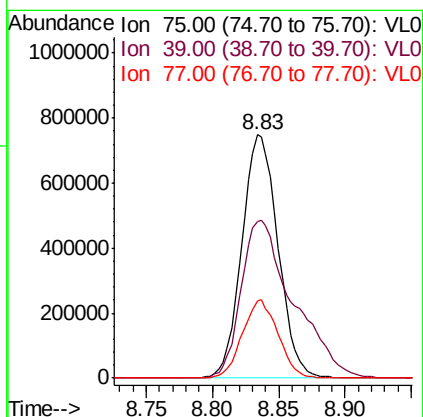
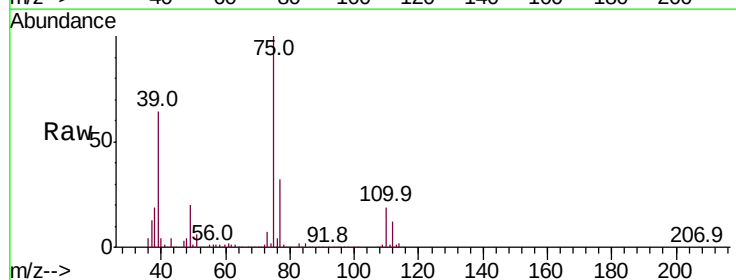
Delta R.T. 0.00 min

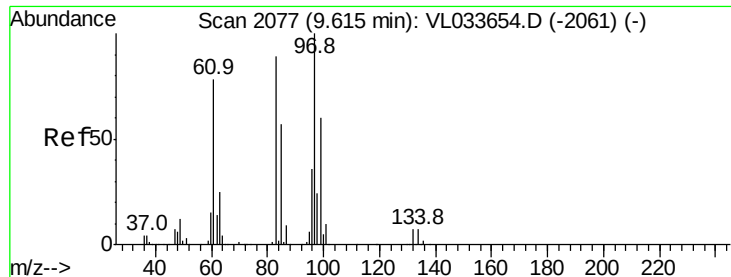
Lab File: VL033654.D

Acq: 6 May 2019 10:59

Tgt Ion: 75 Resp: 1416038

Ion	Ratio	Lower	Upper
75	100		
39	64.4	51.5	77.3
77	31.7	25.4	38.0



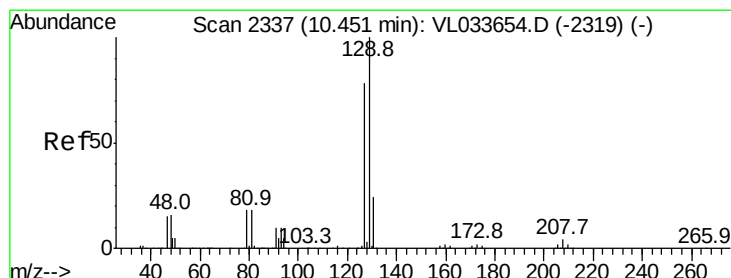
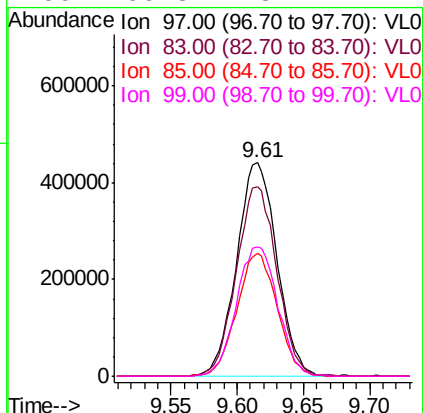
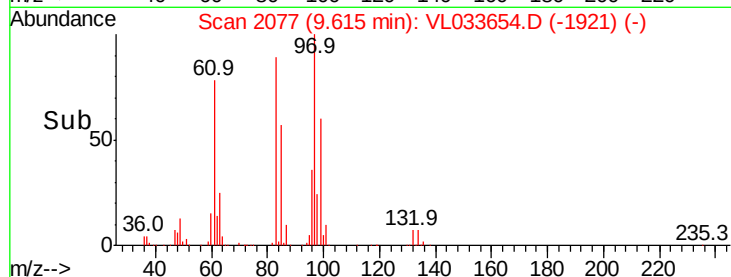
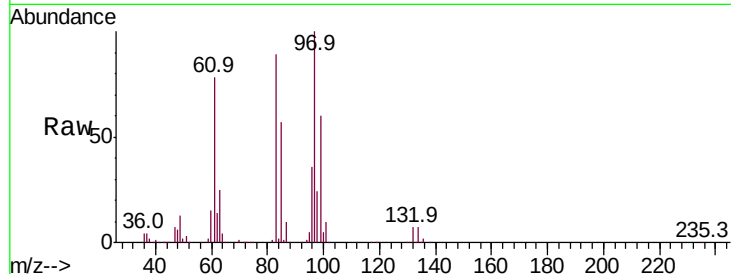


#47
 1,1,2-Trichloroethane
 Concen: 9.674 ppbv
 RT: 9.61 min Scan# 2077
 Delta R.T. 0.00 min
 Lab File: VL033654.D
 Acq: 6 May 2019 10:59

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 97 Resp: 931387

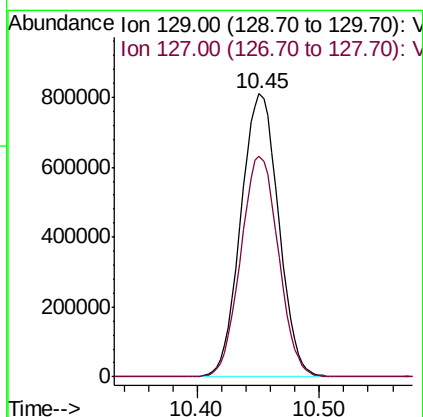
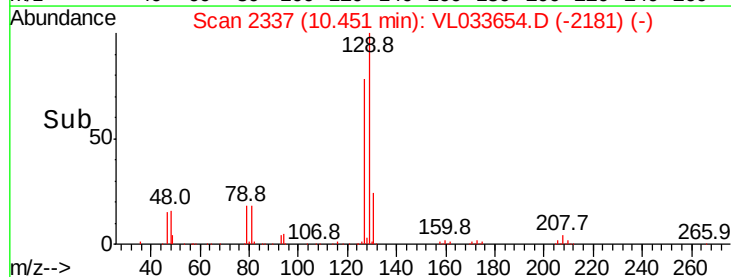
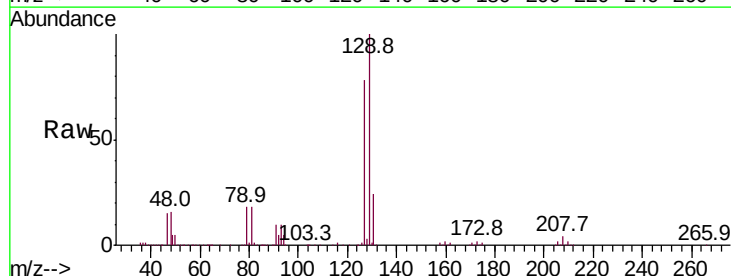
Ion	Ratio	Lower	Upper
97	100		
83	88.6	70.9	106.3
85	57.2	45.8	68.6
99	60.3	48.2	72.4

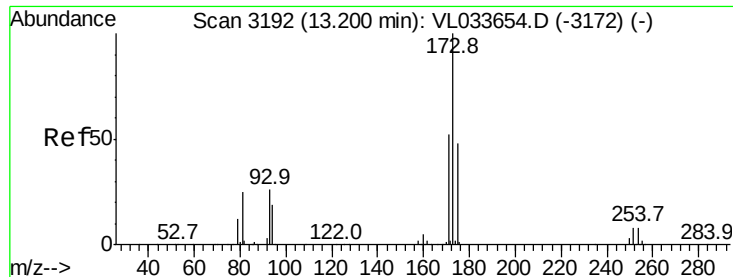


#48
 Dibromochloromethane
 Concen: 10.713 ppbv
 RT: 10.45 min Scan# 2337
 Delta R.T. 0.00 min
 Lab File: VL033654.D
 Acq: 6 May 2019 10:59

Tgt Ion: 129 Resp: 1732356

Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.1	117.2





#49

Bromoform

Concen: 11.208 ppbv

RT: 13.20 min Scan# 3192

Delta R.T. 0.00 min

Lab File: VL033654.D

Acq: 6 May 2019 10:59

Instrument :

MSVOA_L

ClientSampleId :

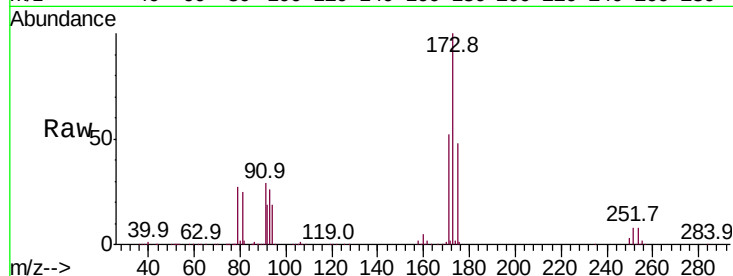
Tot Ion:173 Resp: 1554839

Ion Ratio Lower Upper

173 100

175 49.1 39.3 58.9

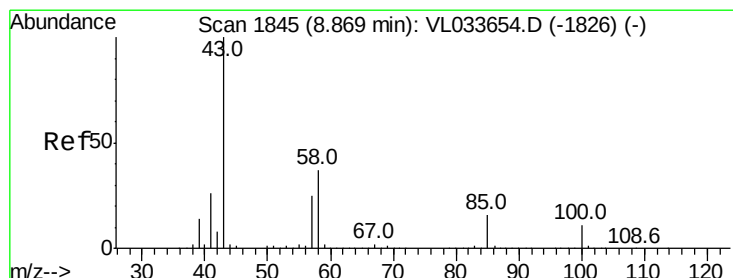
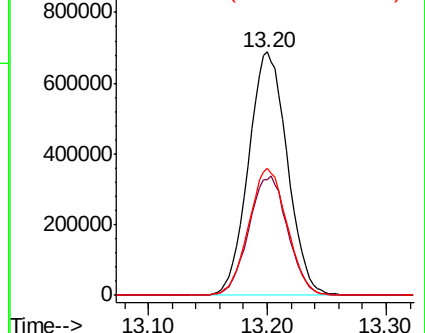
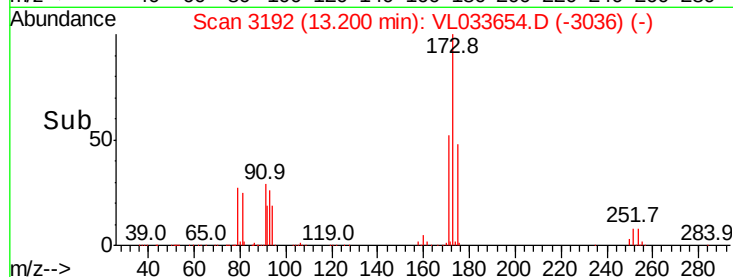
171 51.9 41.5 62.3



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: 10.297 ppbv

RT: 8.87 min Scan# 1845

Delta R.T. 0.00 min

Lab File: VL033654.D

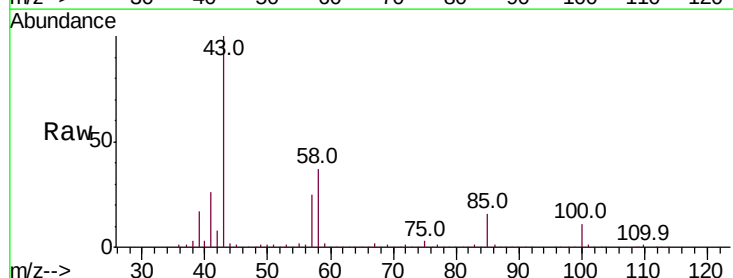
Acq: 6 May 2019 10:59

Tgt Ion: 43 Resp: 2506024

Ion Ratio Lower Upper

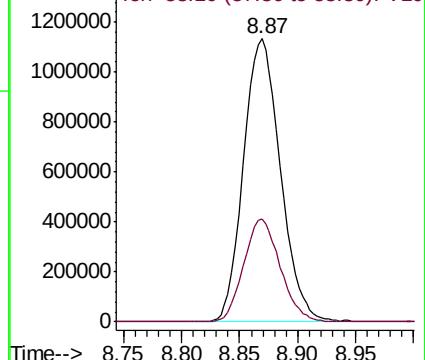
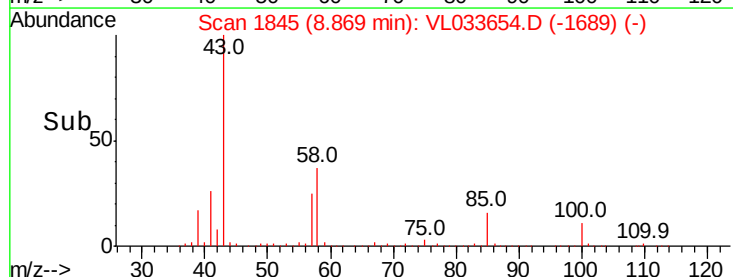
43 100

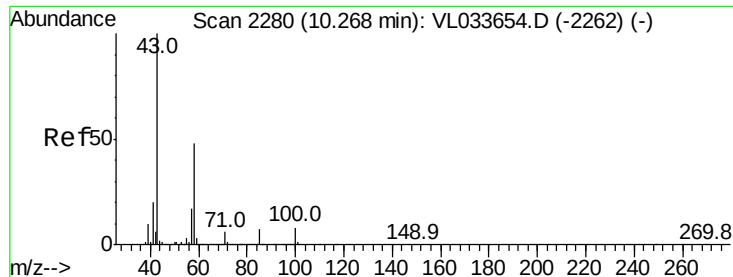
58 36.0 28.8 43.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

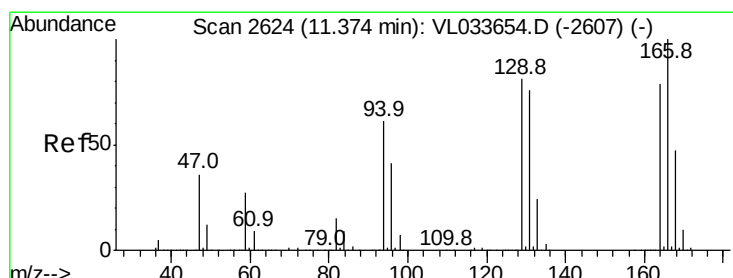
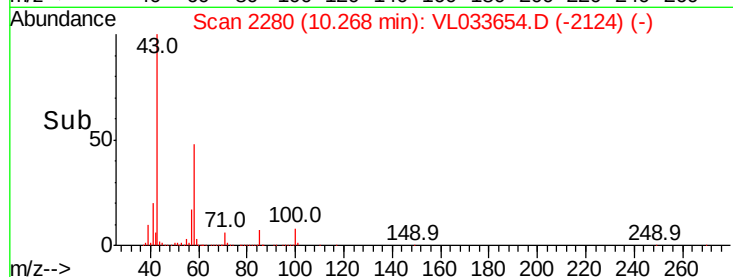
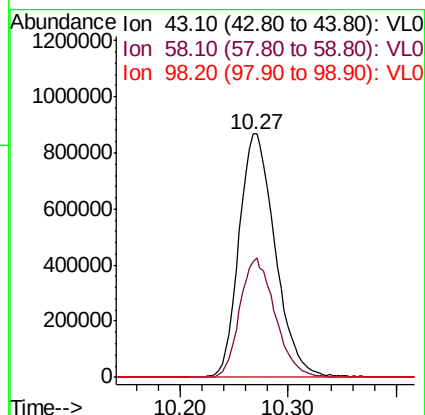
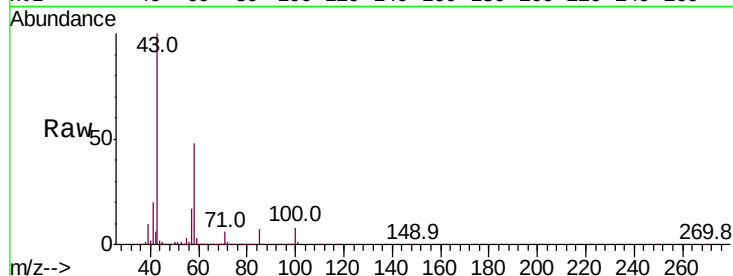




#51
2-Hexanone
Concen: 10.596 ppbv
RT: 10.27 min Scan# 2280
Delta R.T. 0.00 min
Lab File: VL033654.D
Acq: 6 May 2019 10:59

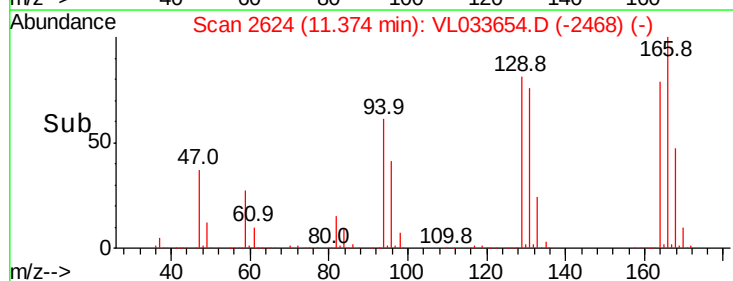
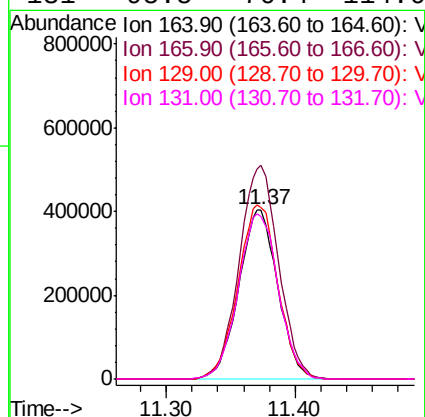
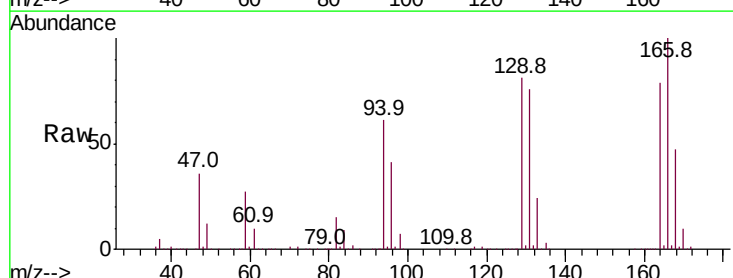
Instrument :
MSVOA_L
ClientSampleId :

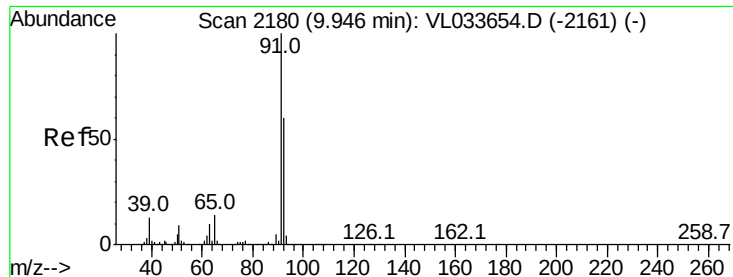
Tot Ion: 43 Resp: 2024738
Ion Ratio Lower Upper
43 100
58 47.8 38.2 57.4
98 0.3 0.2 0.4



#52
Tetrachloroethene
Concen: 10.281 ppbv
RT: 11.37 min Scan# 2624
Delta R.T. 0.00 min
Lab File: VL033654.D
Acq: 6 May 2019 10:59

Tgt Ion: 164 Resp: 845964
Ion Ratio Lower Upper
164 100
166 125.8 100.6 151.0
129 101.3 81.0 121.6
131 95.5 76.4 114.6





#53

Toluene

Concen: 10.688 ppbv

RT: 9.95 min Scan# 2180

Delta R.T. 0.00 min

Lab File: VL033654.D

Acq: 6 May 2019 10:59

Instrument :

MSVOA_L

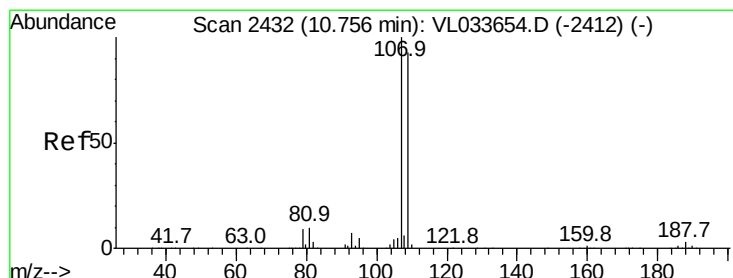
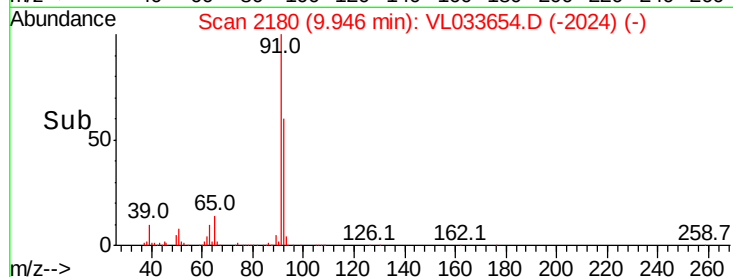
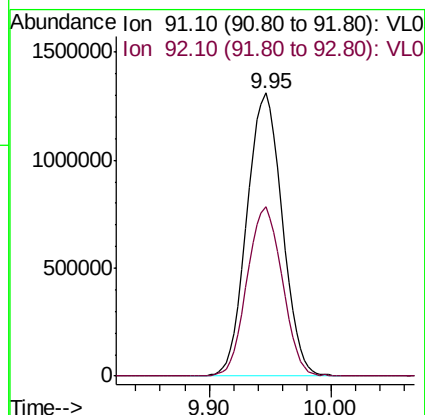
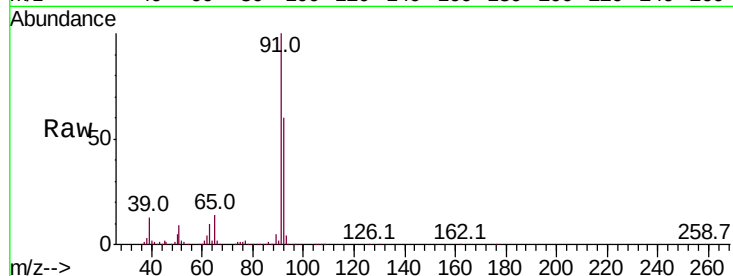
ClientSampleId :

Tot Ion: 91 Resp: 2619860

Ion Ratio Lower Upper

91 100

92 59.6 47.8 71.6



#54

1,2-Dibromoethane

Concen: 10.264 ppbv

RT: 10.76 min Scan# 2432

Delta R.T. 0.00 min

Lab File: VL033654.D

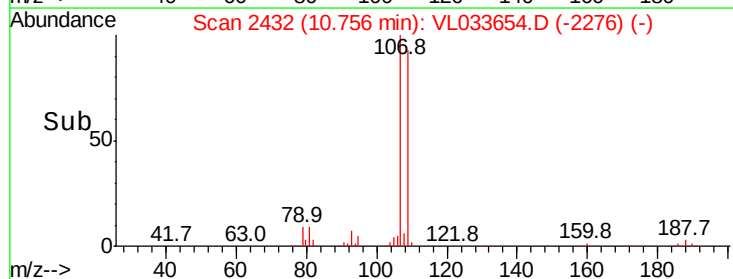
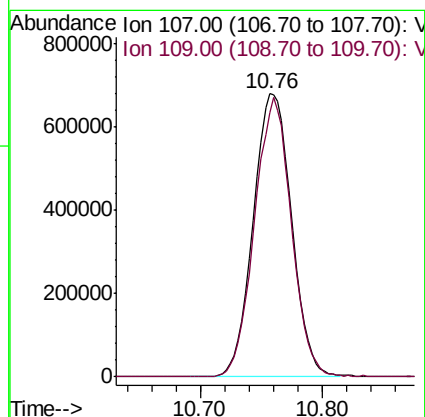
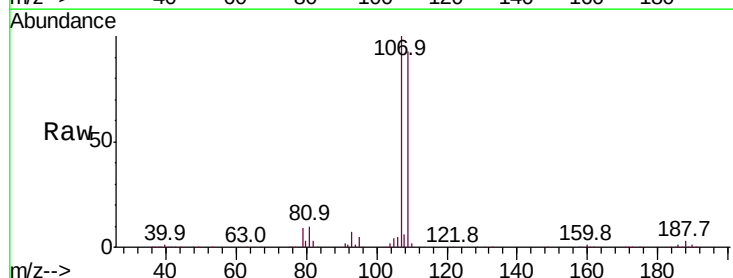
Acq: 6 May 2019 10:59

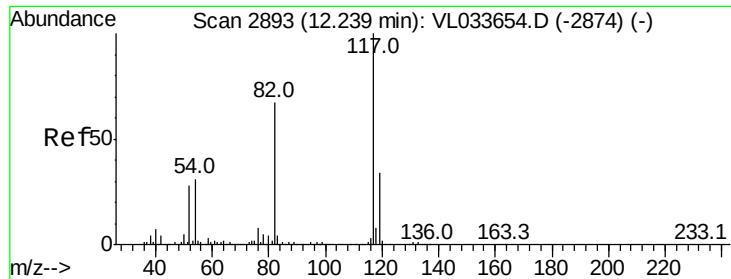
Tgt Ion:107 Resp: 1476593

Ion Ratio Lower Upper

107 100

109 93.2 74.6 111.8

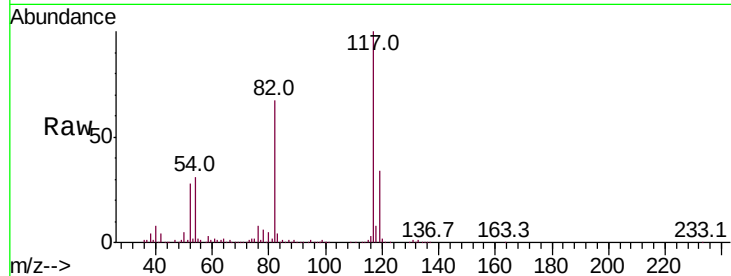




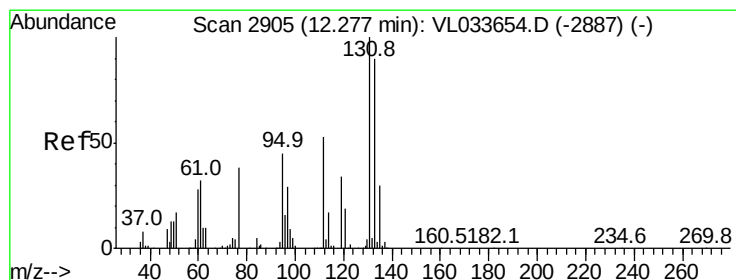
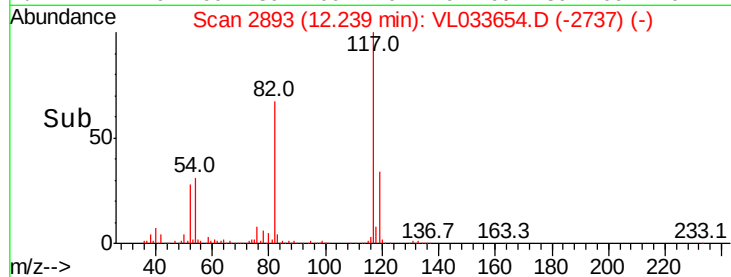
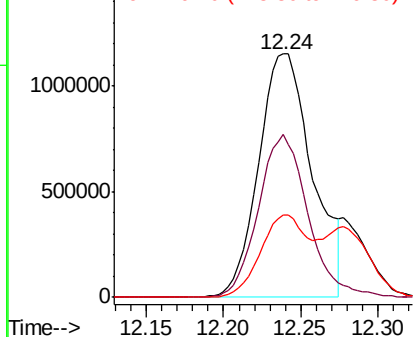
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. 0.00 min
Lab File: VL033654.D
Acq: 6 May 2019 10:59

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 2793234
Ion Ratio Lower Upper
117 100
82 62.1 49.7 74.5
119 31.0 23.3 34.9

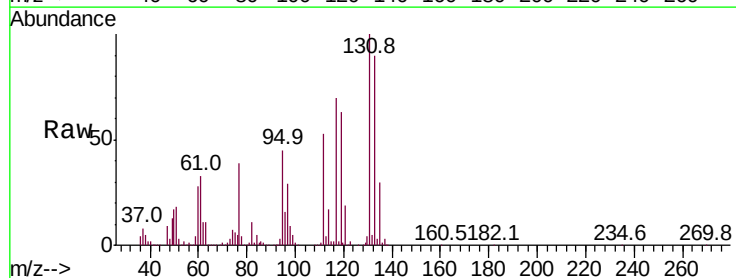


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

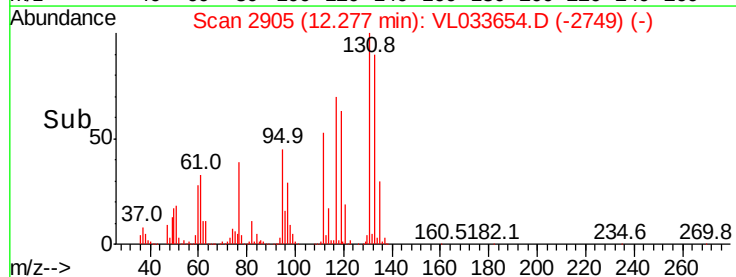
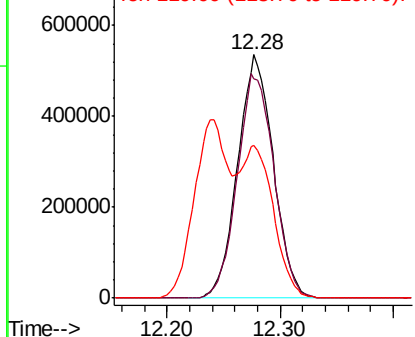


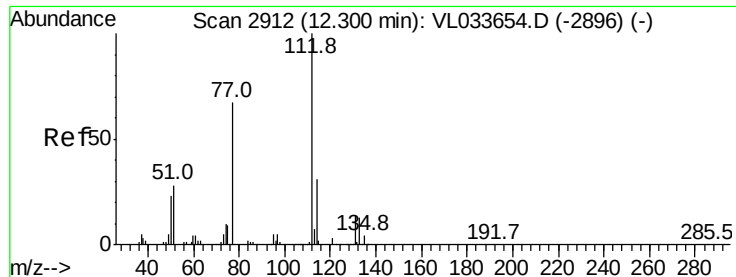
#56
1,1,1,2-Tetrachloroethane
Concen: 9.566 ppbv
RT: 12.28 min Scan# 2905
Delta R.T. 0.00 min
Lab File: VL033654.D
Acq: 6 May 2019 10:59

Tgt Ion:131 Resp: 1170102
Ion Ratio Lower Upper
131 100
133 95.0 76.1 114.1
119 56.8 49.4 74.0



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: 9.297 ppbv

RT: 12.30 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VL033654.D

Acq: 6 May 2019 10:59

Instrument :

MSVOA_L

ClientSampleId :

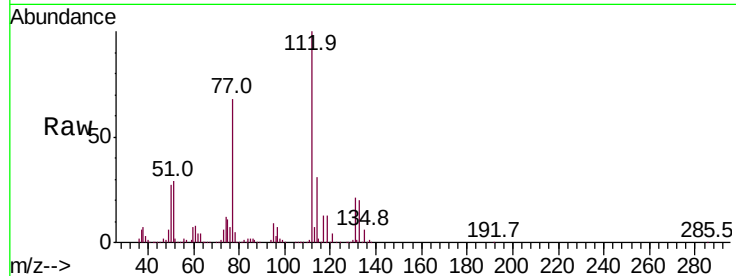
Tot Ion:112 Resp: 2025762

Ion Ratio Lower Upper

112 100

77 68.0 54.4 81.6

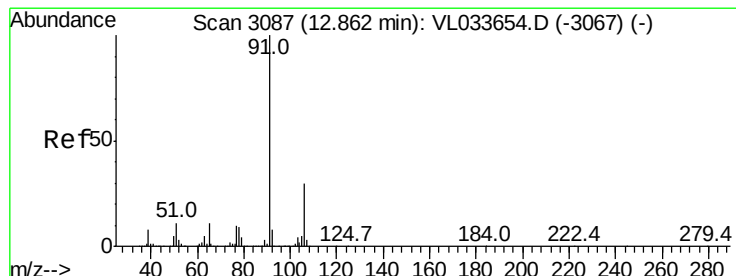
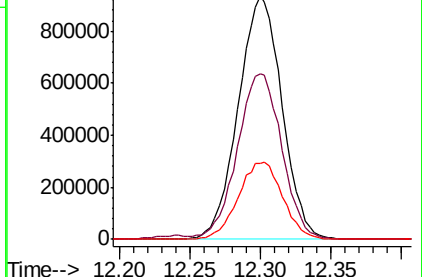
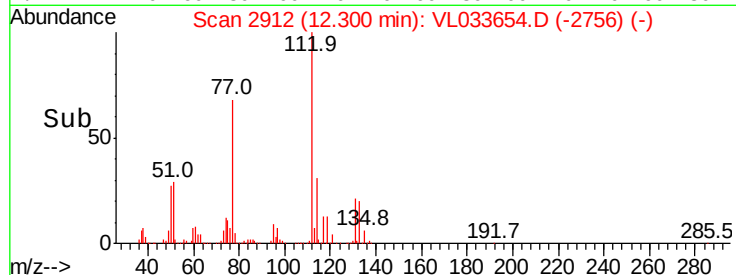
114 31.3 28.2 34.4



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.458 ppbv

RT: 12.86 min Scan# 3087

Delta R.T. 0.00 min

Lab File: VL033654.D

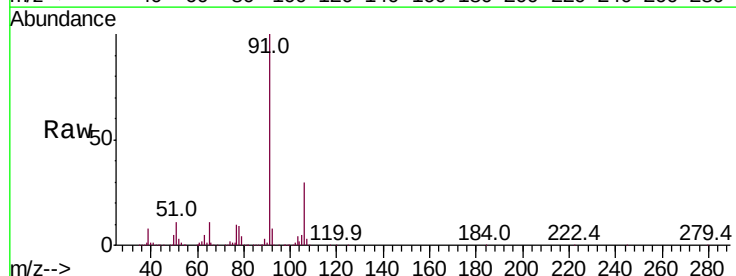
Acq: 6 May 2019 10:59

Tgt Ion: 91 Resp: 3667317

Ion Ratio Lower Upper

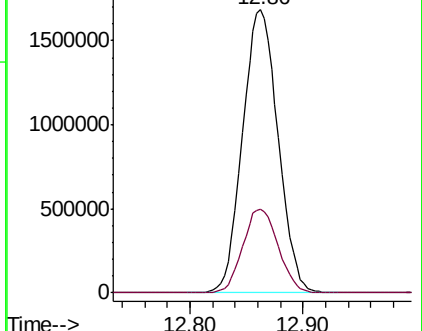
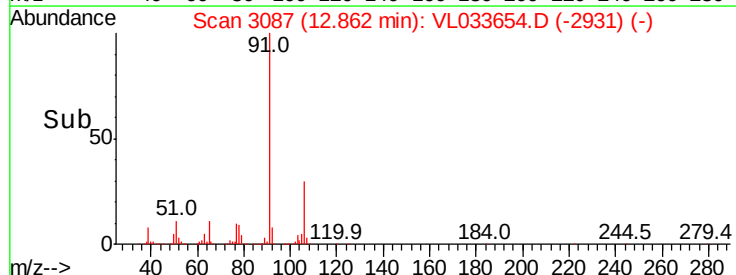
91 100

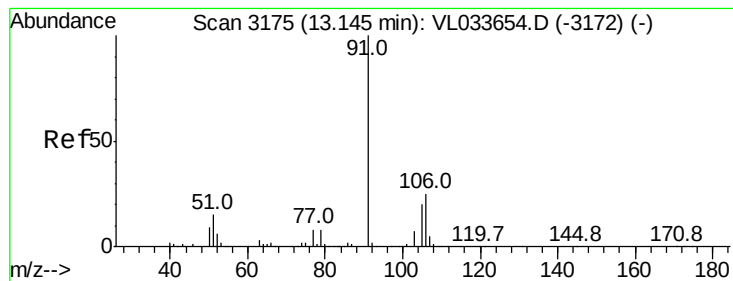
106 29.6 23.7 35.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 9.807 ppbv

RT: 13.15 min Scan# 3175

Delta R.T. 0.00 min

Lab File: VL033654.D

Acq: 6 May 2019 10:59

Instrument :

MSVOA_L

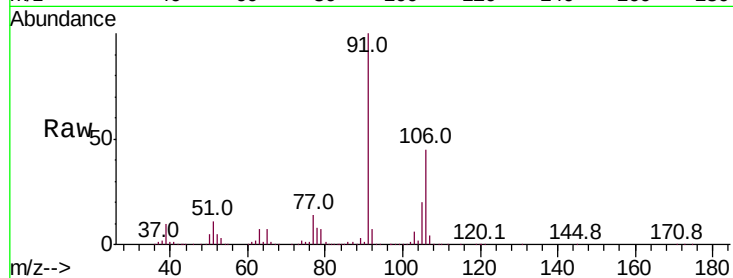
ClientSampleId :

Tot Ion: 91 Resp: 2960185

Ion Ratio Lower Upper

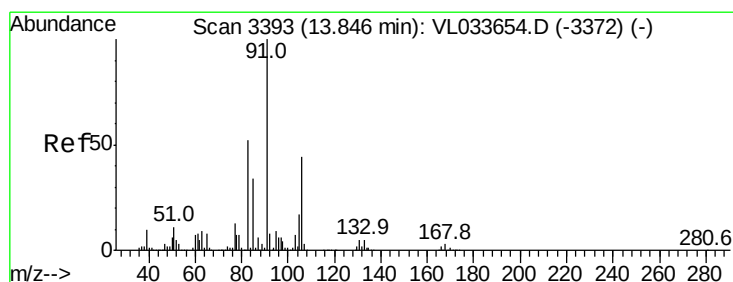
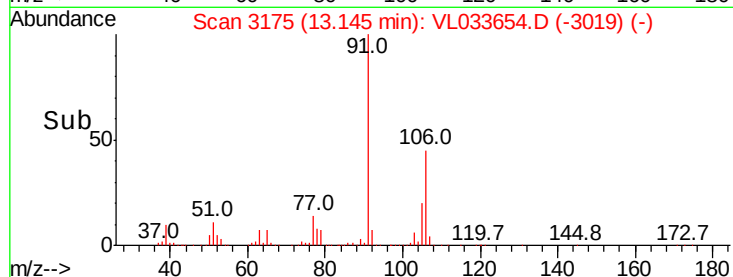
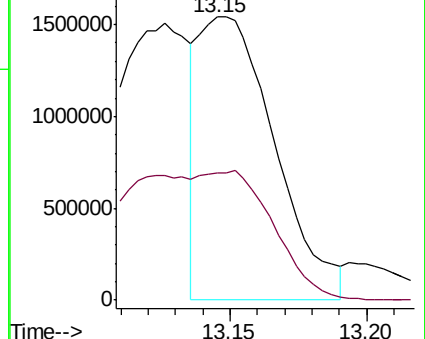
91 100

106 93.3 35.9 53.9#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 10.167 ppbv

RT: 13.85 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VL033654.D

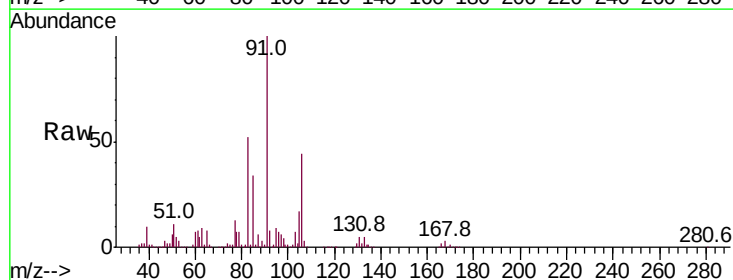
Acq: 6 May 2019 10:59

Tgt Ion: 91 Resp: 3091446

Ion Ratio Lower Upper

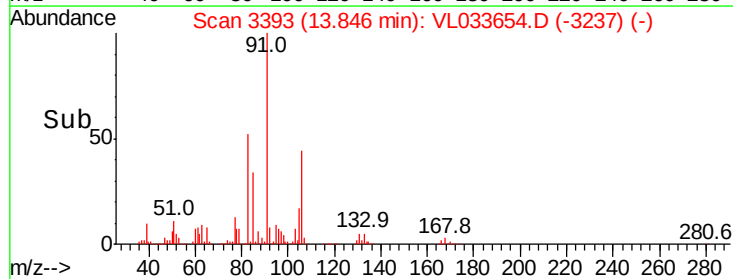
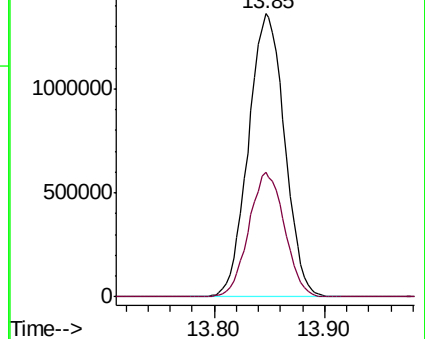
91 100

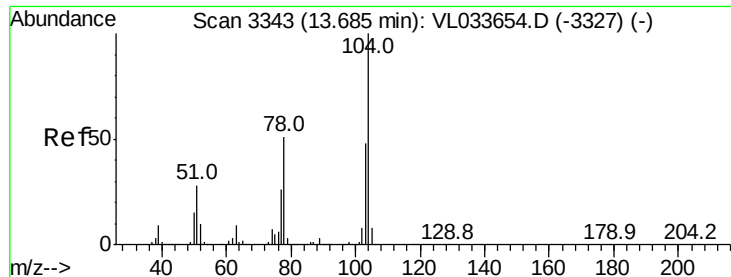
106 43.4 21.7 65.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

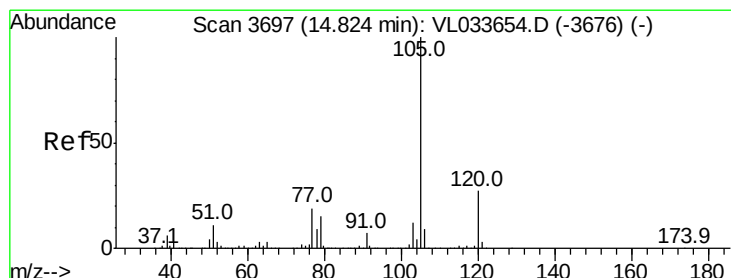
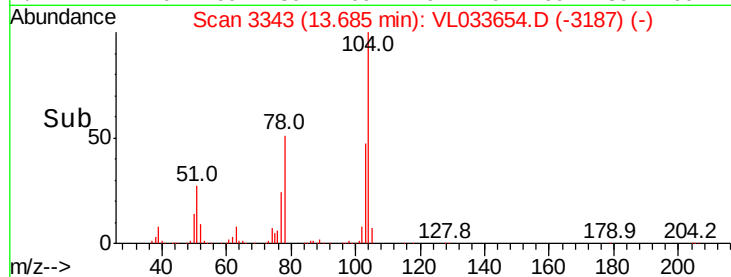
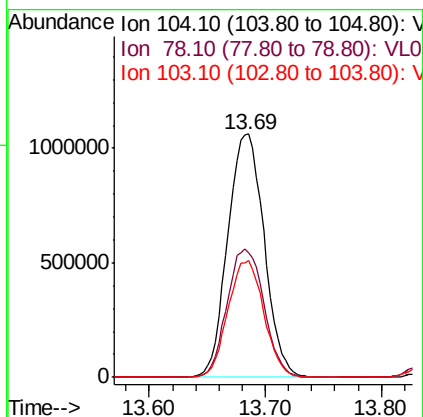
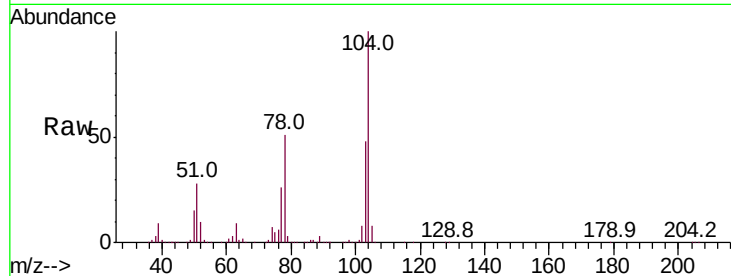




#61
Stvrene
Concen: 11.042 ppbv
RT: 13.69 min Scan# 3343
Delta R.T. 0.00 min
Lab File: VL033654.D
Acq: 6 May 2019 10:59

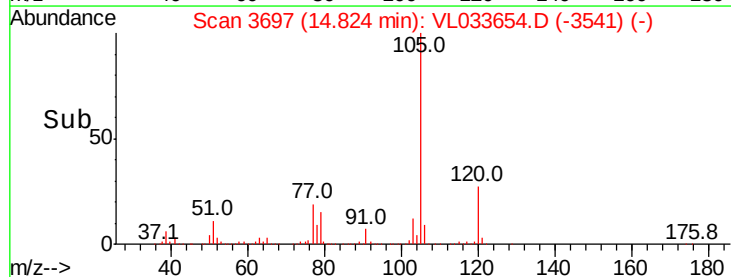
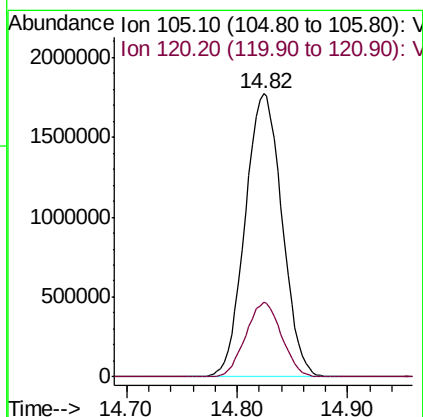
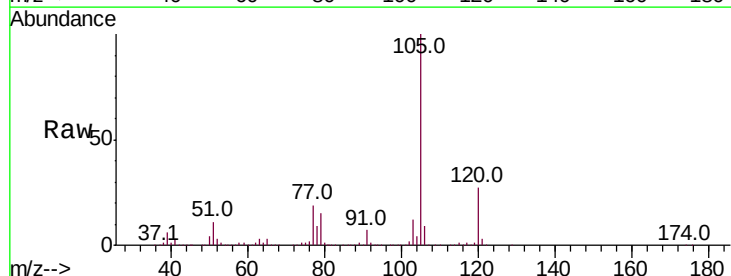
Instrument :
MSVOA_L
ClientSampleId :

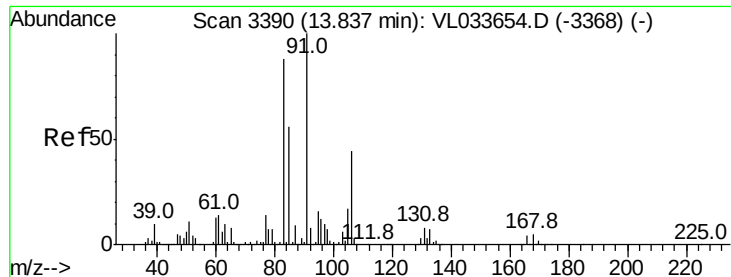
Tot Ion:104 Resp: 2303005
Ion Ratio Lower Upper
104 100
78 53.8 43.0 64.6
103 47.6 38.1 57.1



#62
Isopropylbenzene
Concen: 10.139 ppbv
RT: 14.82 min Scan# 3697
Delta R.T. 0.00 min
Lab File: VL033654.D
Acq: 6 May 2019 10:59

Tgt Ion:105 Resp: 4107924
Ion Ratio Lower Upper
105 100
120 25.6 20.5 30.7





#63

1,1,2,2-Tetrachloroethane

Concen: 9.262 ppbv

RT: 13.84 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VL033654.D

Acq: 6 May 2019 10:59

Instrument :

MSVOA_L

ClientSampleId :

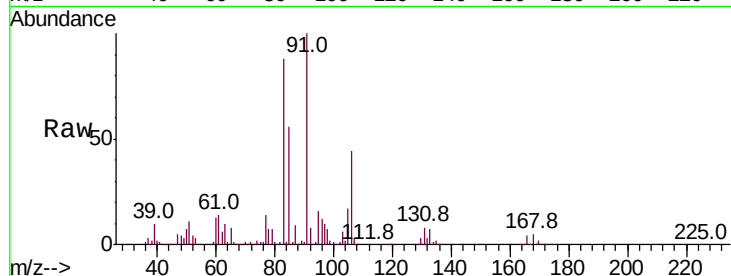
Tot Ion: 83 Resp: 2131144

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.8	14.3
85	64.9	32.5	97.5

83 100

131 9.5 4.8 14.3

85 64.9 32.5 97.5

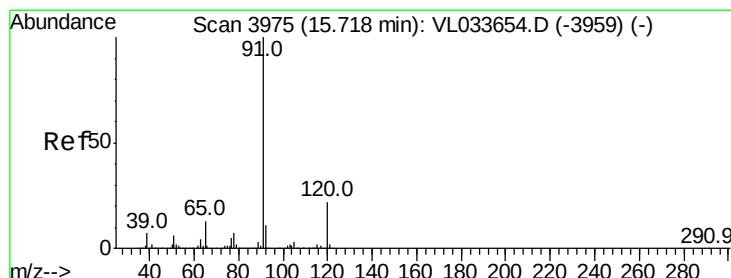
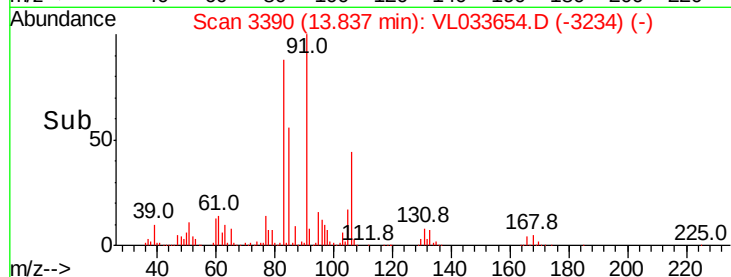
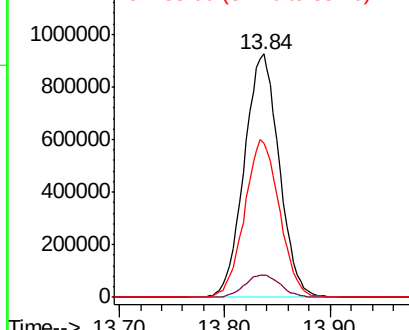


Abundance

Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 10.269 ppbv

RT: 15.72 min Scan# 3975

Delta R.T. 0.00 min

Lab File: VL033654.D

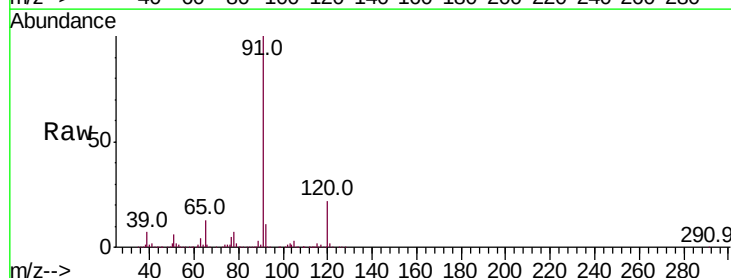
Acq: 6 May 2019 10:59

Tgt Ion:120 Resp: 1082216

Ion	Ratio	Lower	Upper
120	100		
91	473.8	379.4	569.2

120 100

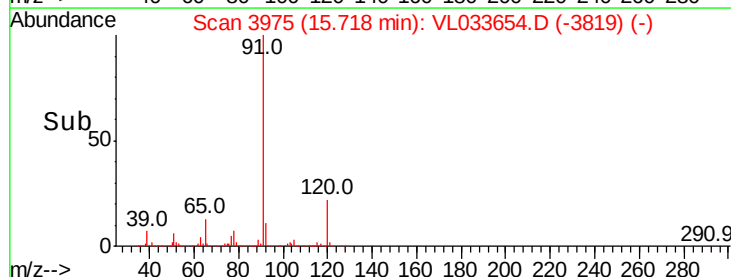
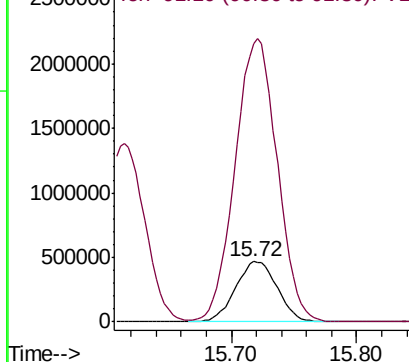
91 473.8 379.4 569.2

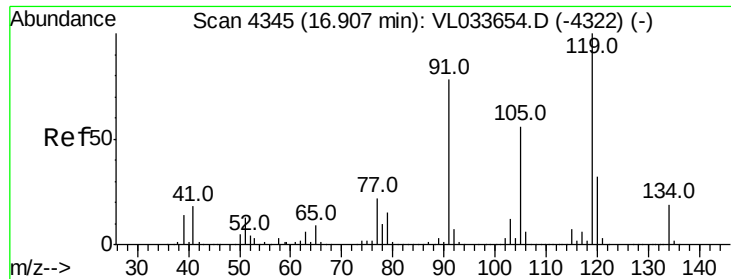


Abundance

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

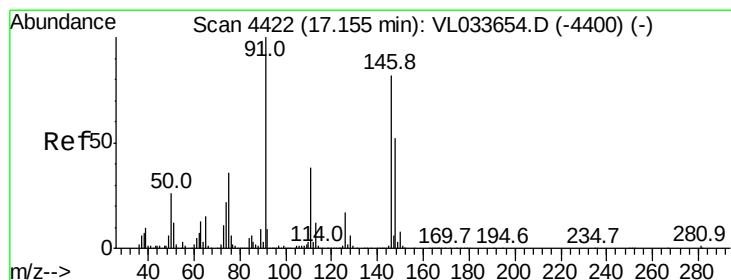
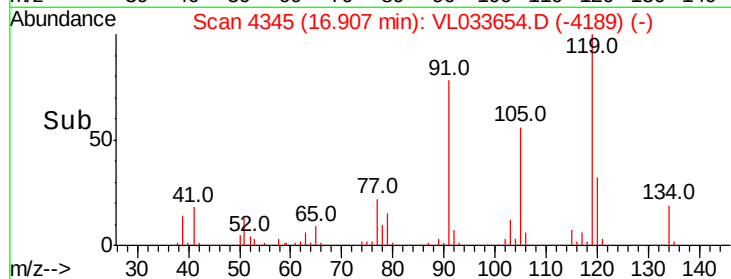
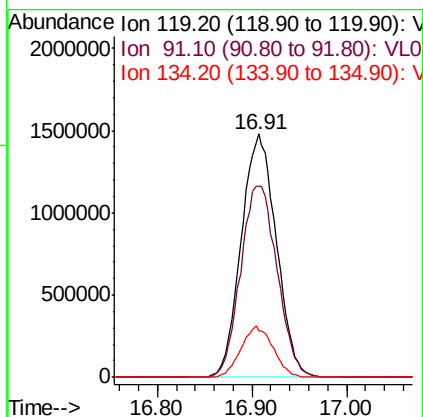
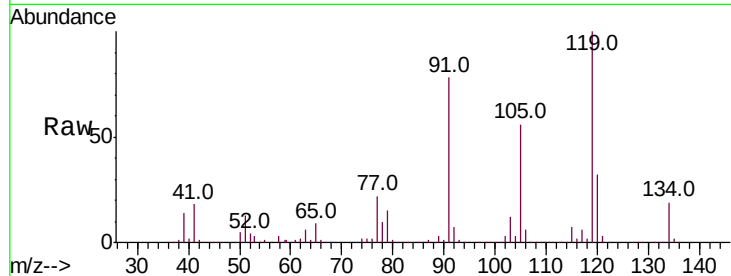




#65
 tert-Butylbenzene
 Concen: 10.035 ppbv
 RT: 16.91 min Scan# 4345
 Delta R.T. 0.00 min
 Lab File: VL033654.D
 Acq: 6 May 2019 10:59

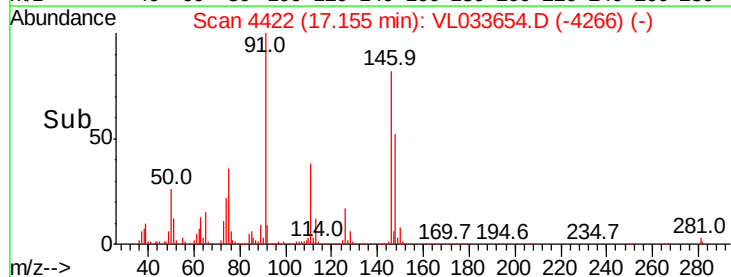
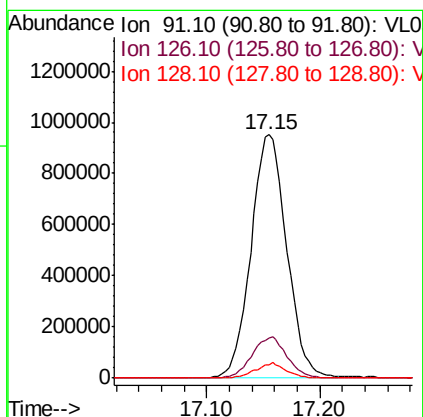
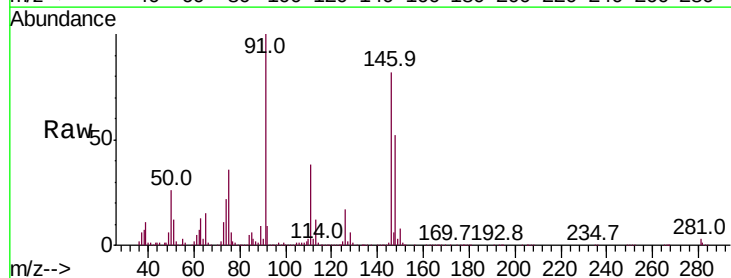
Instrument :
 MSVOA_L
 ClientSampleId :

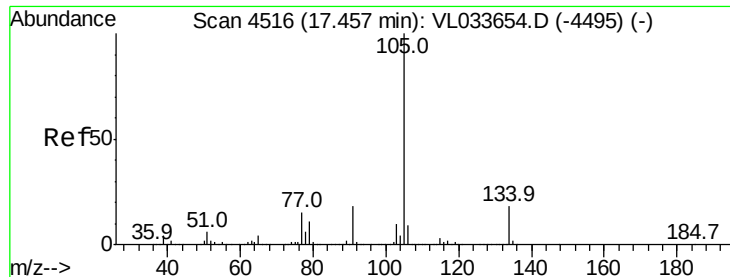
Tot Ion:119 Resp: 3805745
 Ion Ratio Lower Upper
 119 100
 91 82.4 65.9 98.9
 134 19.4 15.5 23.3



#66
 Benzyl Chloride
 Concen: 11.898 ppbv
 RT: 17.15 min Scan# 4422
 Delta R.T. 0.00 min
 Lab File: VL033654.D
 Acq: 6 May 2019 10:59

Tgt Ion: 91 Resp: 2080781
 Ion Ratio Lower Upper
 91 100
 126 16.8 13.4 20.2
 128 5.5 4.4 6.6





#67

sec-Butylbenzene

Concen: 10.053 ppbv

RT: 17.46 min Scan# 4516

Delta R.T. 0.00 min

Lab File: VL033654.D

Acq: 6 May 2019 10:59

Instrument :

MSVOA_L

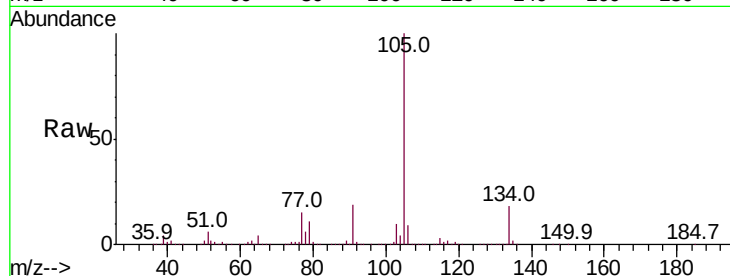
ClientSampled :

Tot Ion:105 Resp: 5346001

Ion Ratio Lower Upper

105 100

134 18.3 14.6 22.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

2500000

2000000

1500000

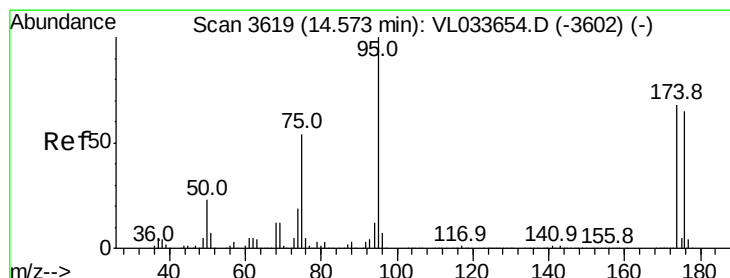
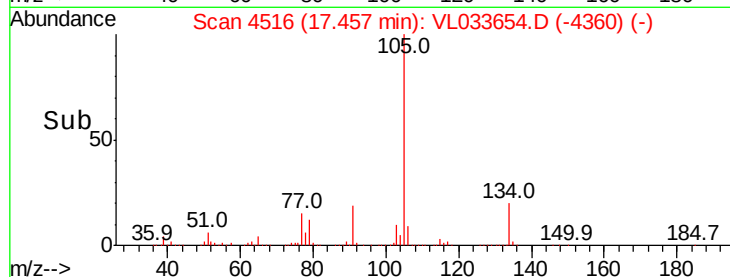
1000000

500000

0

17.40 17.50

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 9.582 ppbv

RT: 14.57 min Scan# 3619

Delta R.T. 0.00 min

Lab File: VL033654.D

Acq: 6 May 2019 10:59

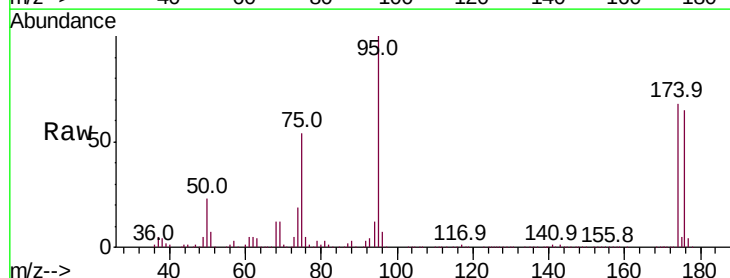
Tgt Ion: 95 Resp: 2137110

Ion Ratio Lower Upper

95 100

174 67.5 54.0 81.0

175 4.8 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

1200000

1000000

800000

600000

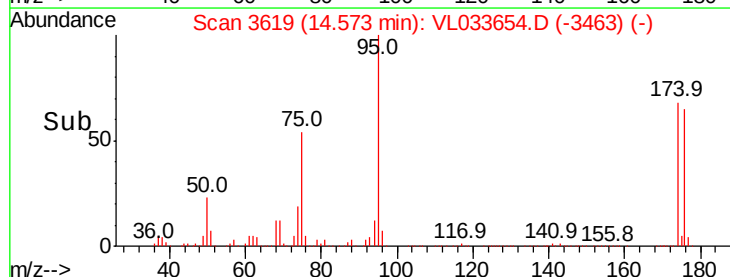
400000

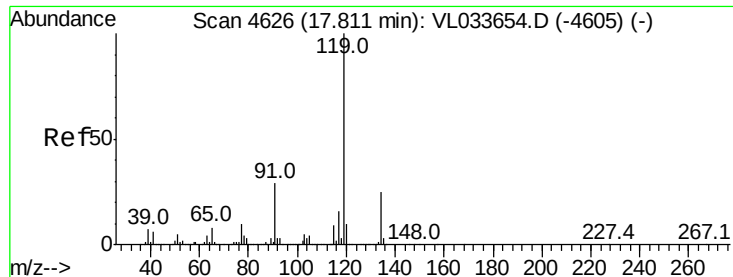
200000

0

14.50 14.60

Time-->





#69

p-Isopropyltoluene

Concen: 10.218 ppbv

RT: 17.81 min Scan# 4626

Delta R.T. 0.00 min

Lab File: VL033654.D

Acq: 6 May 2019 10:59

Instrument :

MSVOA_L

ClientSampleId :

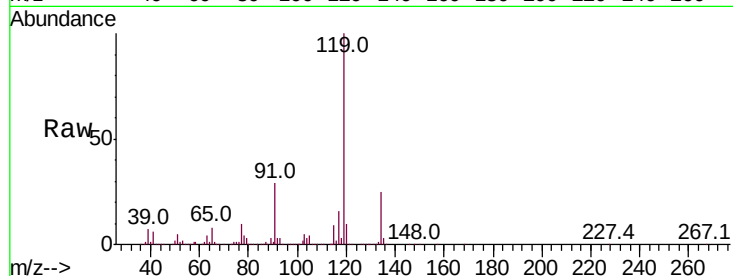
Tot Ion:119 Resp: 4522026

Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.2	30.2
91	29.3	23.3	34.9

119 100

134 25.2 20.2 30.2

91 29.3 23.3 34.9

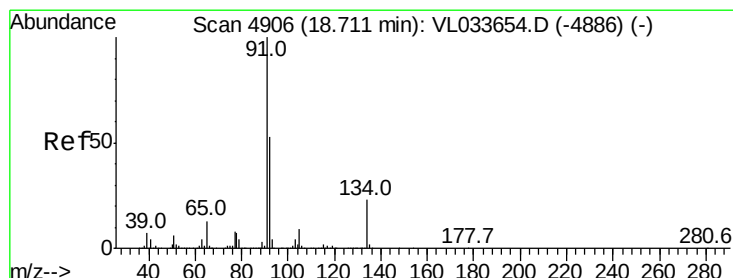
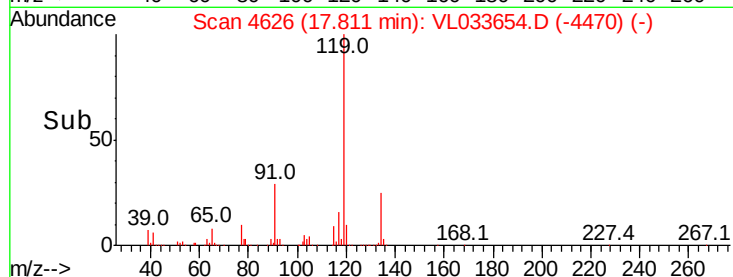
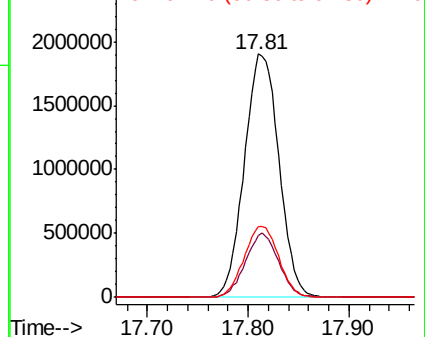


Abundance

Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 10.000 ppbv

RT: 18.71 min Scan# 4906

Delta R.T. 0.00 min

Lab File: VL033654.D

Acq: 6 May 2019 10:59

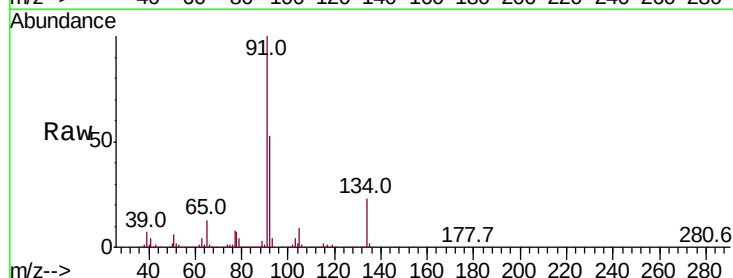
Tgt Ion: 91 Resp: 4823758

Ion	Ratio	Lower	Upper
91	100		
92	53.1	42.5	63.7
134	22.5	18.0	27.0

91 100

92 53.1 42.5 63.7

134 22.5 18.0 27.0

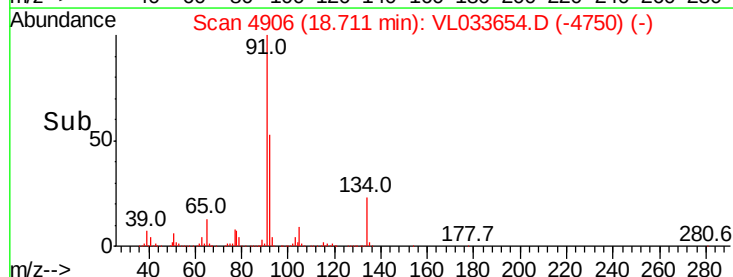
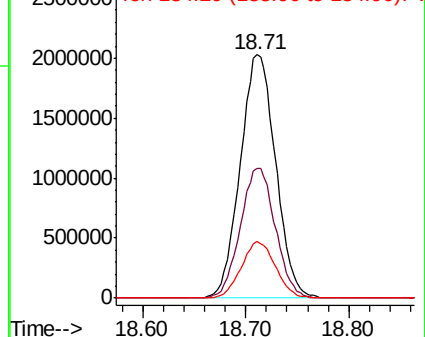


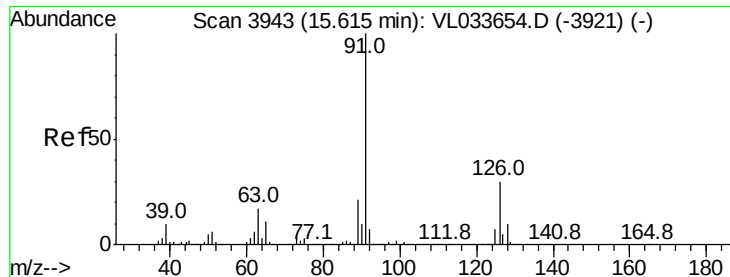
Abundance

Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V

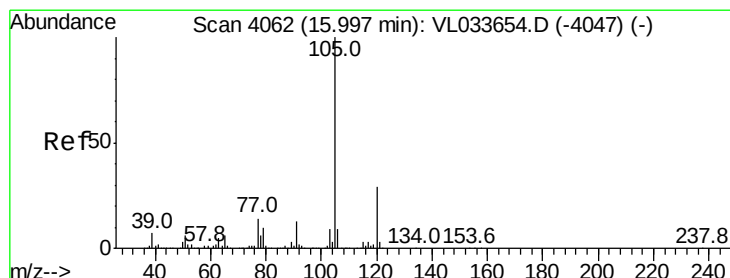
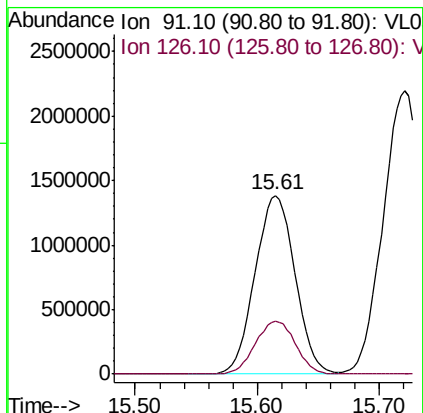
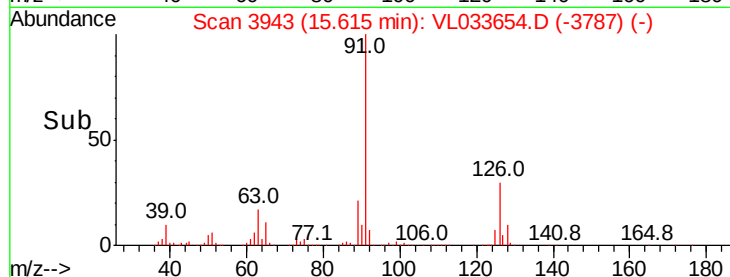
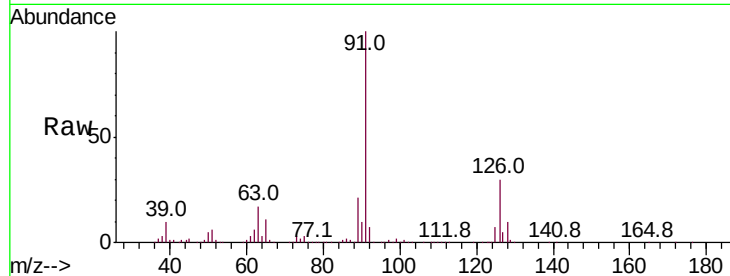




#71
2-Chlorotoluene
Concen: 10.359 ppbv
RT: 15.61 min Scan# 3943
Delta R.T. 0.00 min
Lab File: VL033654.D
Acq: 6 May 2019 10:59

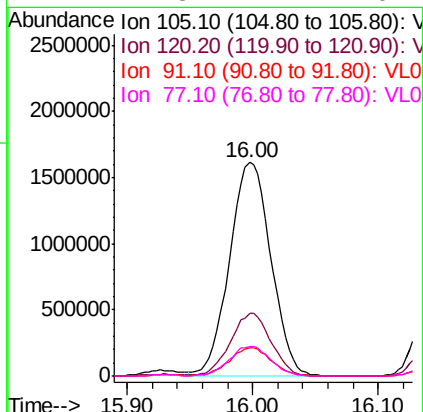
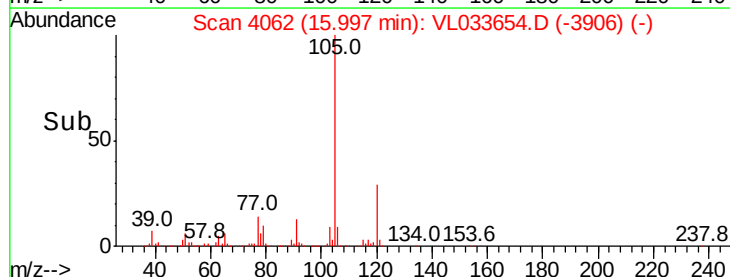
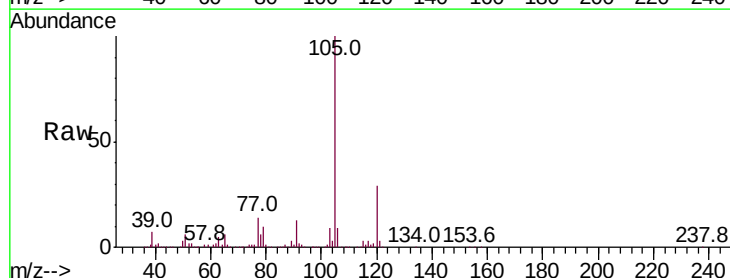
Instrument :
MSVOA_L
ClientSampleId :

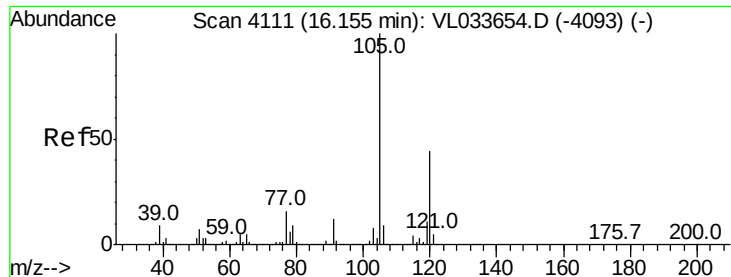
Tot Ion: 91 Resp: 3150076
Ion Ratio Lower Upper
91 100
126 29.9 12.0 47.8



#72
4-Ethyltoluene
Concen: 10.647 ppbv
RT: 16.00 min Scan# 4062
Delta R.T. 0.00 min
Lab File: VL033654.D
Acq: 6 May 2019 10:59

Tgt Ion:105 Resp: 3705242
Ion Ratio Lower Upper
105 100
120 28.8 23.0 34.6
91 13.1 10.6 15.8
77 14.3 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 10.319 ppbv

RT: 16.15 min Scan# 4111

Delta R.T. 0.00 min

Lab File: VL033654.D

Acq: 6 May 2019 10:59

Instrument :

MSVOA_L

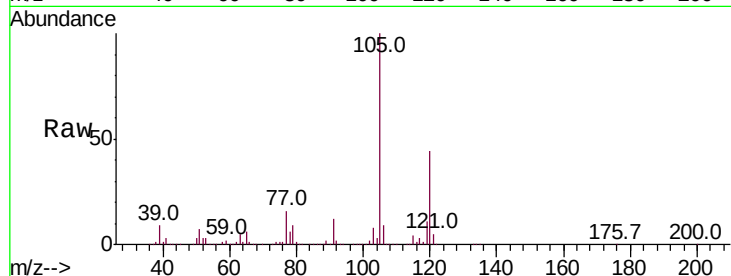
ClientSampleId :

Tot Ion:105 Resp: 3518371

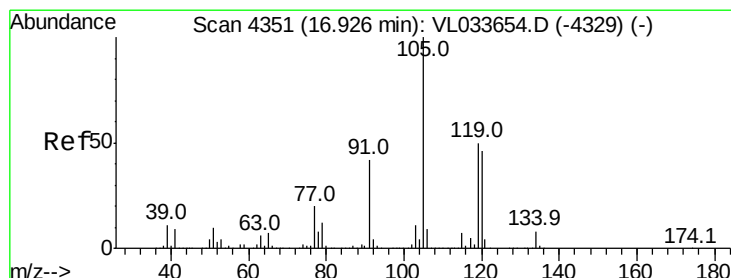
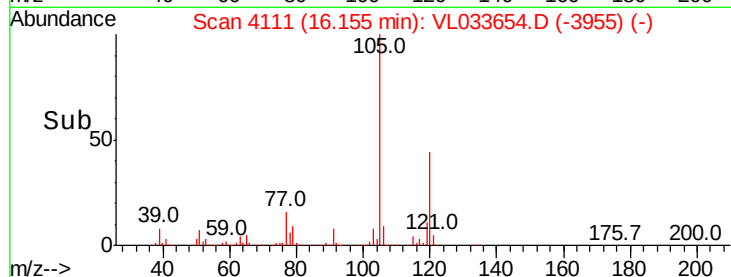
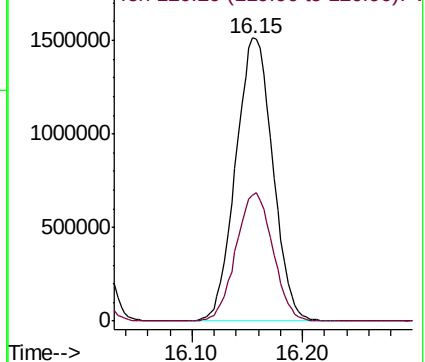
Ion Ratio Lower Upper

105 100

120 44.4 35.5 53.3



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



#74

1,2,4-Trimethylbenzene

Concen: 9.743 ppbv

RT: 16.93 min Scan# 4351

Delta R.T. 0.00 min

Lab File: VL033654.D

Acq: 6 May 2019 10:59

Tgt Ion:105 Resp: 3684415

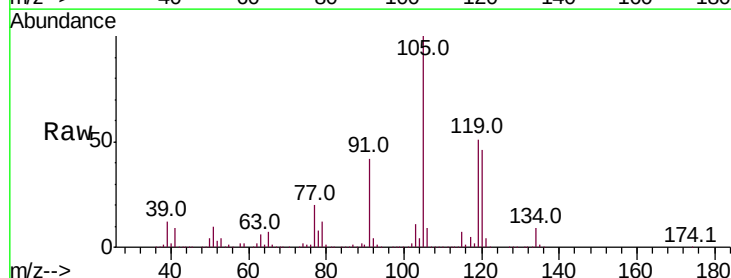
Ion Ratio Lower Upper

105 100

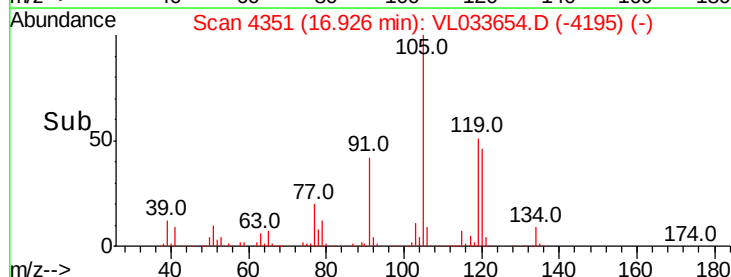
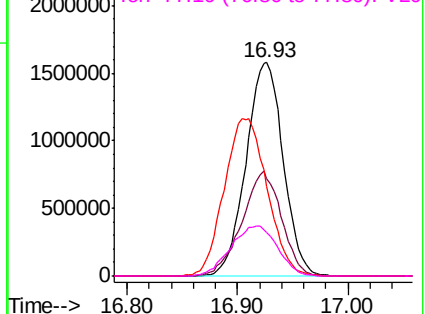
120 45.6 36.5 54.7

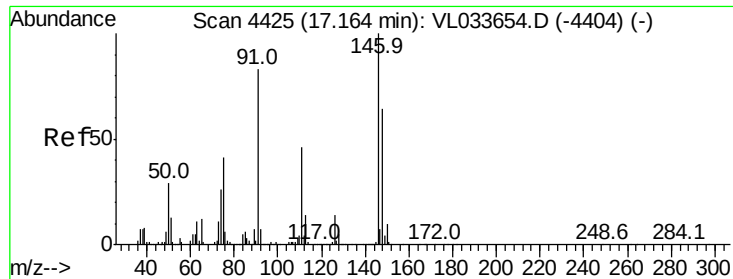
91 42.1 33.7 50.5

77 20.4 16.3 24.5



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0
Ion 77.10 (76.80 to 77.80): VL0

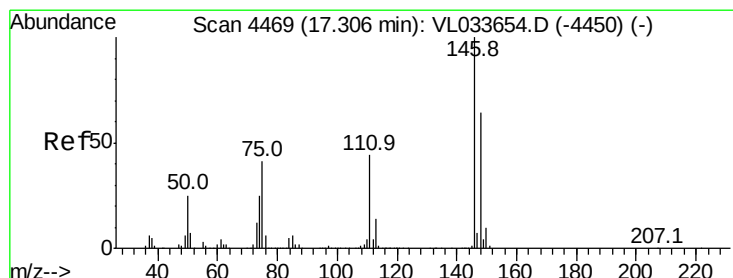
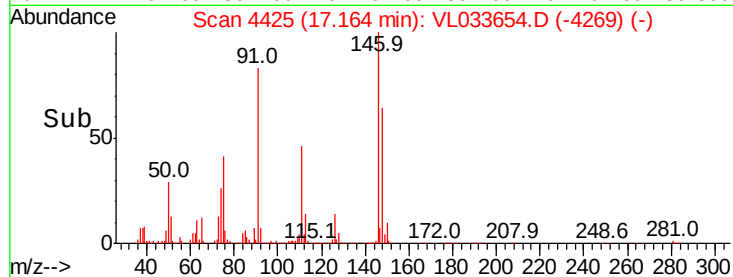
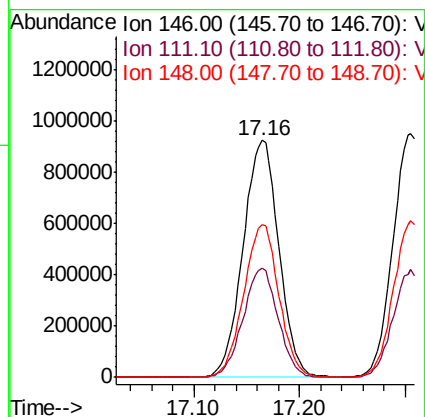
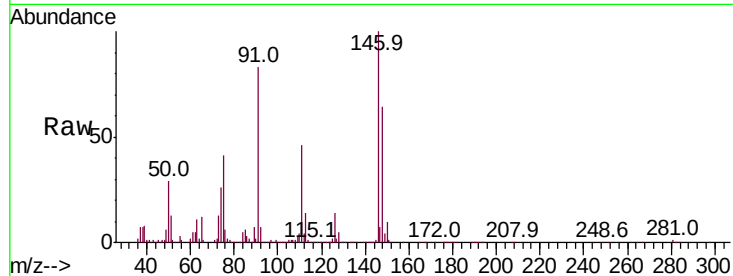




#75
 1,3-Dichlorobenzene
 Concen: 9.326 ppbv
 RT: 17.16 min Scan# 4425
 Delta R.T. 0.00 min
 Lab File: VL033654.D
 Acq: 6 May 2019 10:59

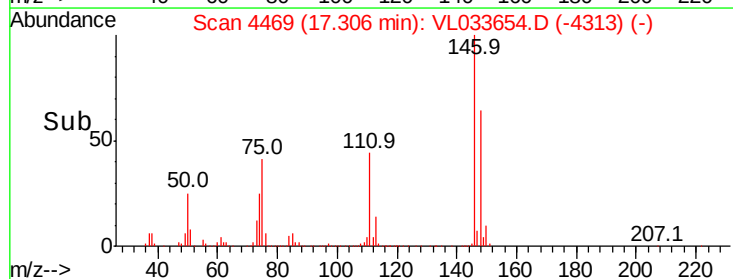
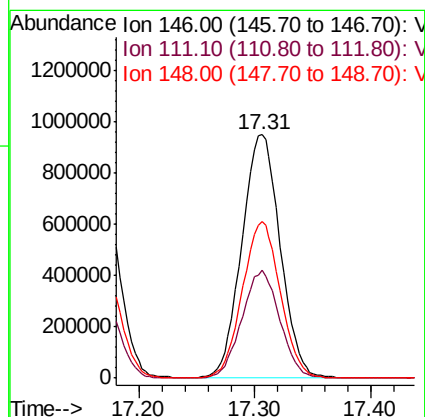
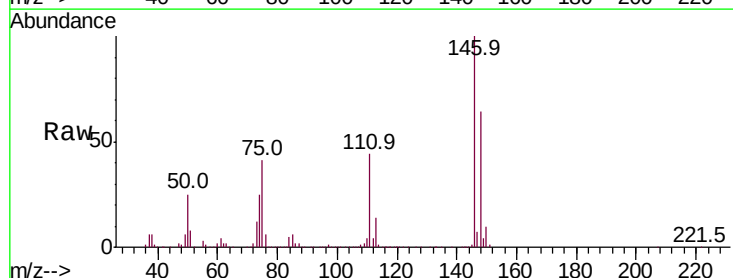
Instrument :
 MSVOA_L
 ClientSampleId :

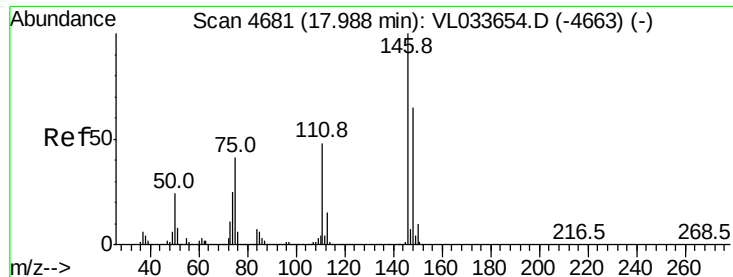
Tot Ion:146 Resp: 2188201
 Ion Ratio Lower Upper
 146 100
 111 45.1 22.6 67.7
 148 63.6 31.8 95.4



#76
 1,4-Dichlorobenzene
 Concen: 9.754 ppbv
 RT: 17.31 min Scan# 4469
 Delta R.T. 0.00 min
 Lab File: VL033654.D
 Acq: 6 May 2019 10:59

Tgt Ion:146 Resp: 2182703
 Ion Ratio Lower Upper
 146 100
 111 44.0 21.9 65.7
 148 64.3 32.0 96.0

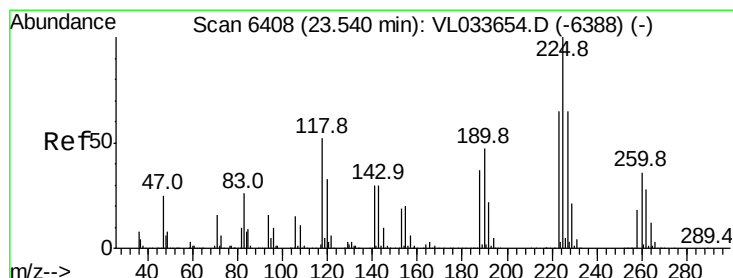
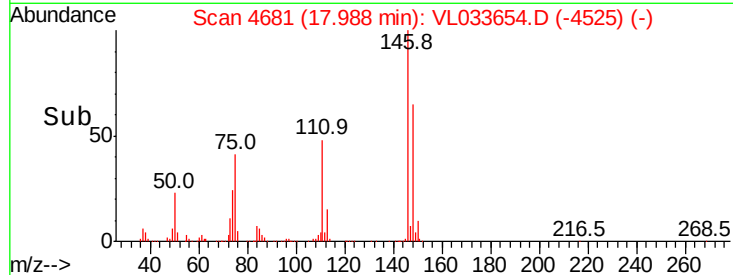
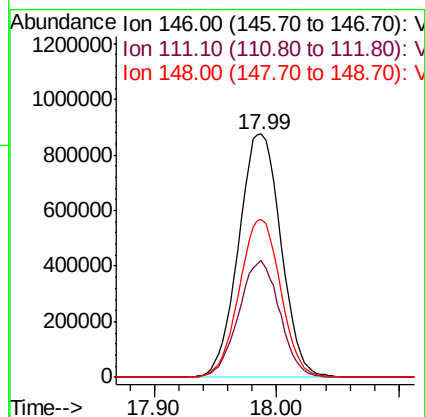
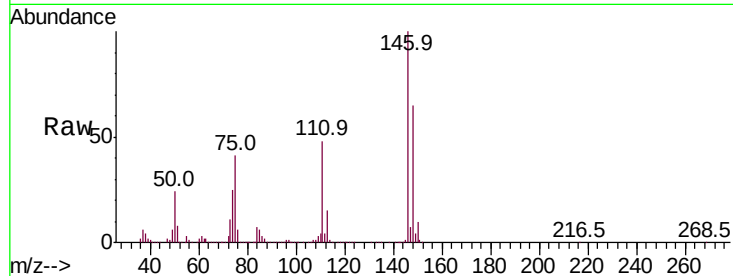




#77
 1,2-Dichlorobenzene
 Concen: 9.581 ppbv
 RT: 17.99 min Scan# 4681
 Delta R.T. 0.00 min
 Lab File: VL033654.D
 Acq: 6 May 2019 10:59

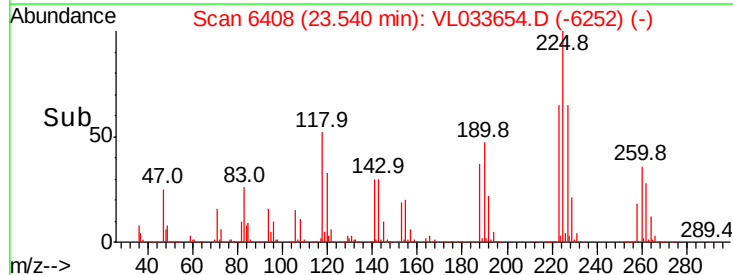
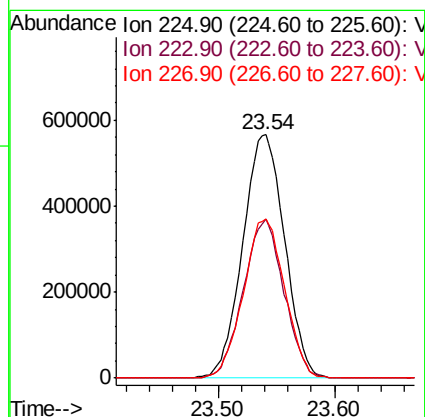
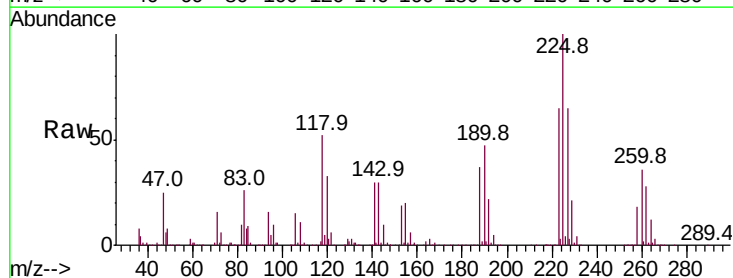
Instrument :
 MSVOA_L
 ClientSampled :

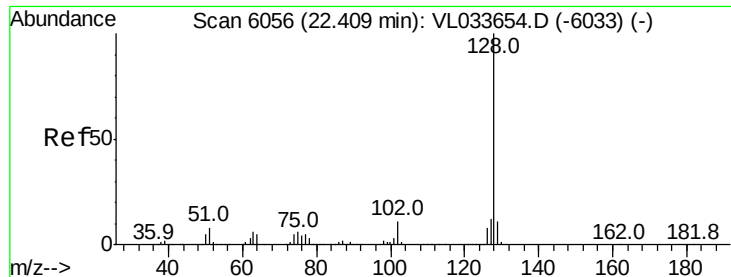
Tot Ion:146 Resp: 2093223
 Ion Ratio Lower Upper
 146 100
 111 46.7 23.4 70.0
 148 63.9 31.9 95.9



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.539 ppbv
 RT: 23.54 min Scan# 6408
 Delta R.T. 0.00 min
 Lab File: VL033654.D
 Acq: 6 May 2019 10:59

Tgt Ion:225 Resp: 1423377
 Ion Ratio Lower Upper
 225 100
 223 63.4 50.7 76.1
 227 64.3 51.4 77.2





#79

Naphthalene

Concen: 10.780 ppbv

RT: 22.41 min Scan# 6056

Delta R.T. 0.00 min

Lab File: VL033654.D

Acq: 6 May 2019 10:59

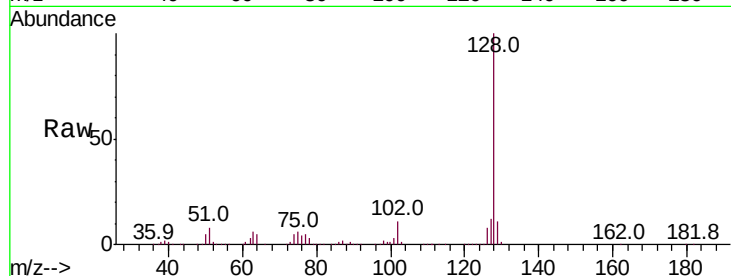
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:128 Resp: 3804750

Ion	Ratio	Lower	Upper
128	100		
127	12.3	9.8	14.8
129	11.0	8.8	13.2

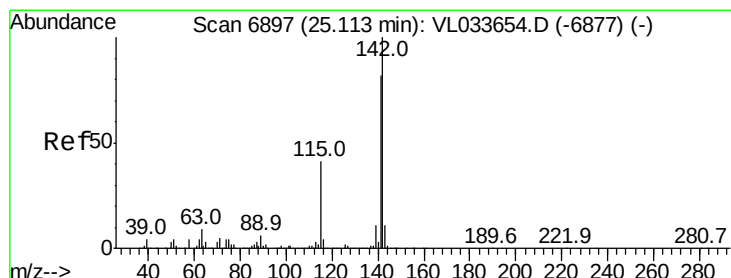
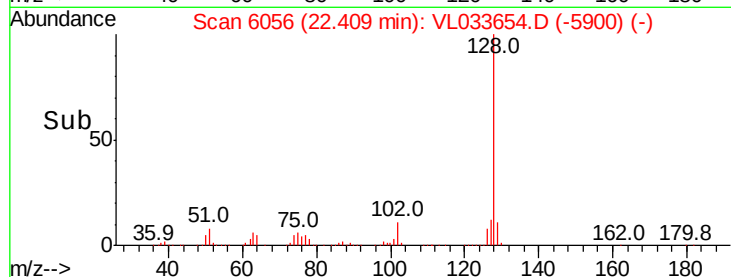
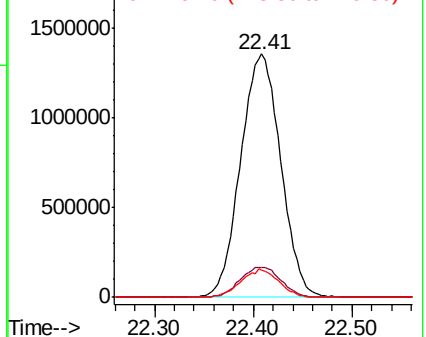


Abundance

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: 10.912 ppbv

RT: 25.11 min Scan# 6897

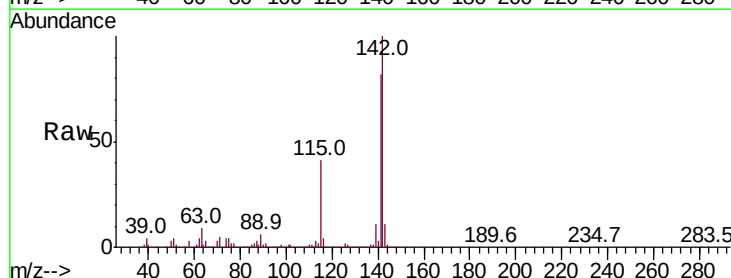
Delta R.T. 0.00 min

Lab File: VL033654.D

Acq: 6 May 2019 10:59

Tgt Ion:142 Resp: 1634251

Ion	Ratio	Lower	Upper
142	100		
141	84.9	67.8	101.8
115	42.8	34.2	51.4

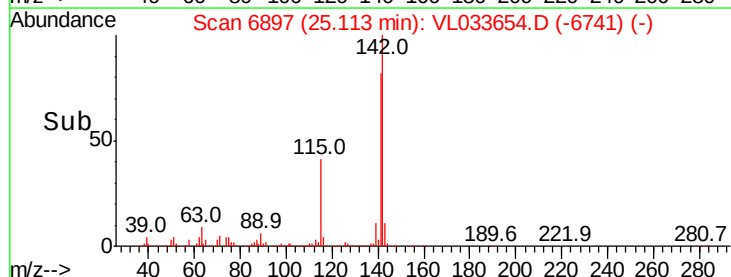
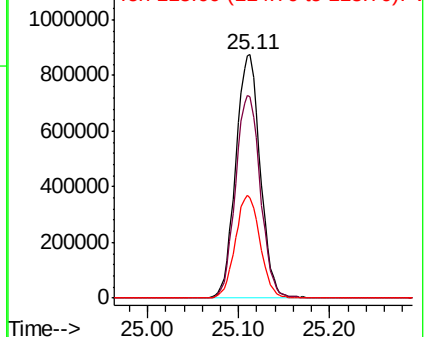


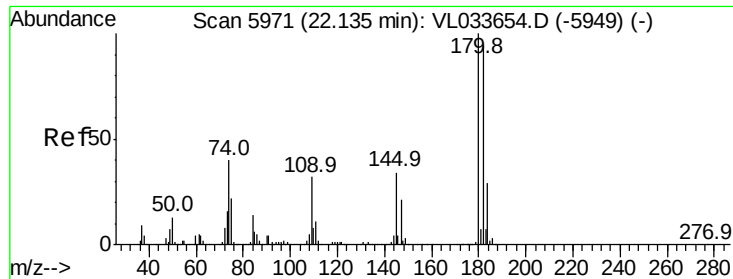
Abundance

Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 10.050 ppbv
 RT: 22.14 min Scan# 5971
 Delta R.T. 0.00 min
 Lab File: VL033654.D
 Acq: 6 May 2019 10:59

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 2043730
 Ion Ratio Lower Upper
 180 100
 182 96.7 77.4 116.0
 184 30.7 24.6 36.8

