

Data File : VL033796.D
Acq On : 24 May 2019 9:28
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Quant Time: May 24 10:10:18 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	5.76	49	831050	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2153286	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2802740	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1690471	7.44	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	74.40%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.07	85	1235722	7.056	ppbv	100
3) Chlorodifluoromethane	3.01	51	1070459	11.245	ppbv	98
4) Chloromethane	3.17	50	646599	11.876	ppbv	99
5) Vinyl Chloride	3.29	62	642949	11.592	ppbv	98
6) Bromomethane	3.51	94	405325	11.977	ppbv	96
7) Chloroethane	3.60	64	235259	11.936	ppbv	98
8) Dichlorotetrafluoroethane	3.22	85	1536696	10.883	ppbv	96
9) Propene	3.03	41	522938	12.915	ppbv	98
10) Heptane	8.24	43	1283677	11.196	ppbv	100
11) Trichlorofluoromethane	4.00	101	1712008	10.242	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1196907	10.254	ppbv	98
13) Ethanol	3.65	45	113921	8.705	ppbv	97
14) Bromoethene	3.78	108	523953	12.210	ppbv	99
15) Acetone	3.90	43	1103242	9.568	ppbv	99
16) 1,3-Butadiene	3.36	39	561174	12.222	ppbv	99
17) tert-Butyl alcohol	4.35	59	1191862	12.783	ppbv	100
18) 1,1-Dichloroethene	4.35	96	541999	11.001	ppbv	96
19) Isopropyl Alcohol	4.02	45	895427	12.044	ppbv	99
20) Methylene Chloride	4.40	84	450462	10.147	ppbv	97
21) Allyl Chloride	4.47	41	810375	11.268	ppbv	98
22) trans-1,2-Dichloroethene	4.96	96	546891	10.829	ppbv	93
23) Vinyl Acetate	5.15	43	1884149	12.393	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1284305	11.113	ppbv	98
25) Ethyl Acetate	5.76	43	2184383	10.784	ppbv	99
26) Hexane	5.77	57	967703	11.113	ppbv	99
27) Carbon Disulfide	4.62	76	1349626	11.297	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1774742	12.502	ppbv	100
29) Chloroform	5.84	83	1631042	10.169	ppbv	99
30) Cyclohexane	7.24	84	862406	11.780	ppbv	96
31) cis-1,2-Dichloroethene	5.63	61	1014466	11.750	ppbv	94
32) 1,1,1-Trichloroethane	6.62	97	1640837	10.245	ppbv	98
34) 2-Butanone	5.32	43	1472381	11.032	ppbv	97
35) Carbon Tetrachloride	7.13	117	1715206	9.944	ppbv	99
36) Benzene	7.00	78	2122788	10.837	ppbv	97
37) 1,2-Dichloroethane	6.41	62	1203882	9.528	ppbv	98
38) Trichloroethene	7.96	130	832846	11.459	ppbv	99
39) 1,2-Dichloropropane	7.73	63	792037	10.846	ppbv	92
40) 1,4-Dioxane	7.95	88	336899	11.028	ppbv #	93
41) Tetrahydrofuran	6.14	42	850359	11.371	ppbv	98
42) Bromodichloromethane	7.91	83	1753970	10.140	ppbv	97
43) Methyl Methacrylate	8.13	69	855557	11.869	ppbv	96

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VSTDCCC010EC

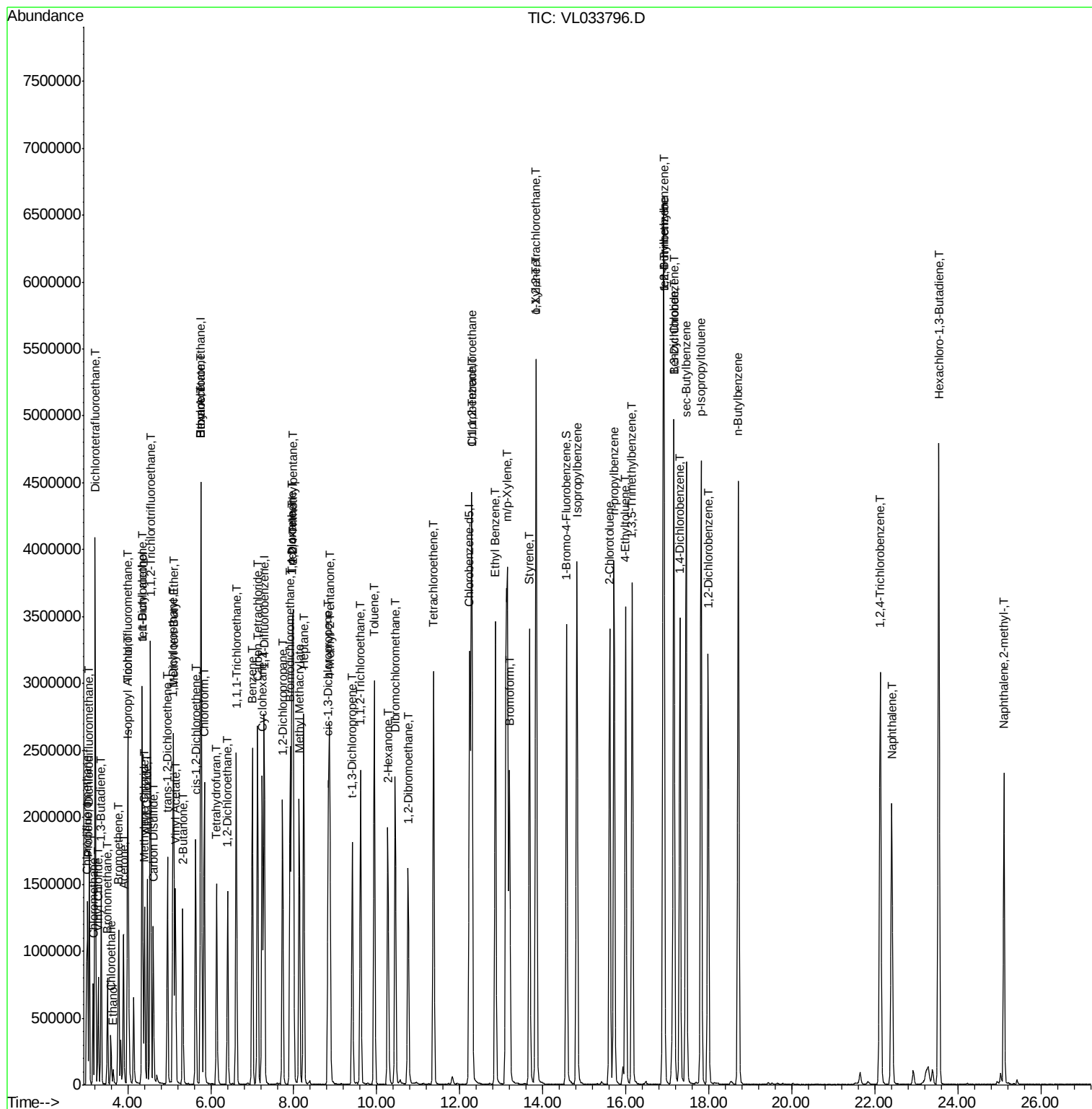
Quant Time: May 24 10:10:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 17 08:15:41 2019
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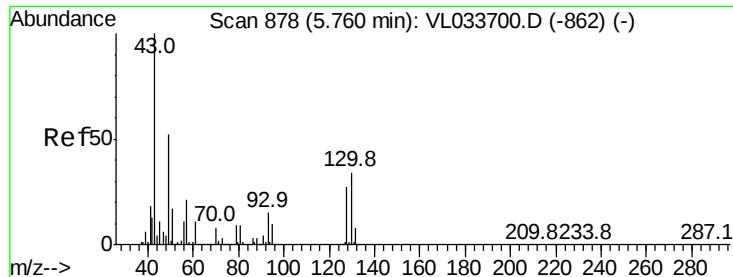
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.98	57	3356895	10.140	ppbv	99
45) t-1,3-Dichloropropene	9.41	75	1120450	12.261	ppbv	97
46) cis-1,3-Dichloropropene	8.83	75	1278413	11.947	ppbv	94
47) 1,1,2-Trichloroethane	9.61	97	874980	10.547	ppbv	99
48) Dibromochloromethane	10.44	129	1494995	10.400	ppbv	99
49) Bromoform	13.20	173	1397438	11.554	ppbv	100
50) 4-Methyl-2-Pentanone	8.86	43	2200535	10.719	ppbv	98
51) 2-Hexanone	10.26	43	1798377	11.224	ppbv #	99
52) Tetrachloroethene	11.37	164	802923	11.661	ppbv	98
53) Toluene	9.94	91	2449379	11.594	ppbv	99
54) 1,2-Dibromoethane	10.75	107	1389399	10.974	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.27	131	1045056	8.058	ppbv	98
57) Chlorobenzene	12.29	112	1852846	8.031	ppbv	98
58) Ethyl Benzene	12.86	91	3354316	9.038	ppbv	98
59) m/p-Xylene	13.15	91	2793437	8.610	ppbv #	30
60) o-Xylene	13.84	91	2709301	8.284	ppbv	98
61) Styrene	13.68	104	2151549	9.771	ppbv	98
62) Isopropylbenzene	14.82	105	3697311	8.394	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.83	83	1890031	7.946	ppbv	99
64) n-propylbenzene	15.72	120	984764	8.643	ppbv	97
65) tert-Butylbenzene	16.90	119	3395286	8.443	ppbv	98
66) Benzyl Chloride	17.15	91	1801570	9.406	ppbv	99
67) sec-Butylbenzene	17.45	105	4748913	8.437	ppbv	100
69) p-Isopropyltoluene	17.81	119	3916735	8.419	ppbv	99
70) n-Butylbenzene	18.71	91	3973957	7.966	ppbv	100
71) 2-Chlorotoluene	15.61	91	2790858	8.540	ppbv	99
72) 4-Ethyltoluene	16.00	105	3304023	8.835	ppbv	99
73) 1,3,5-Trimethylbenzene	16.15	105	3065570	8.402	ppbv	99
74) 1,2,4-Trimethylbenzene	16.92	105	3192690	8.040	ppbv	97
75) 1,3-Dichlorobenzene	17.16	146	1878081	7.718	ppbv	99
76) 1,4-Dichlorobenzene	17.30	146	1873669	8.102	ppbv	99
77) 1,2-Dichlorobenzene	17.98	146	1805785	7.898	ppbv	99
78) Hexachloro-1,3-Butadiene	23.54	225	1296640	7.501	ppbv	99
79) Naphthalene	22.41	128	2799105	7.589	ppbv	99
80) Naphthalene,2-methyl-	25.11	142	1315443	9.387	ppbv	98
81) 1,2,4-Trichlorobenzene	22.13	180	1530695	7.088	ppbv	99

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

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ALS Vial      : 1      Sample Multiplier: 1
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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.00 min

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VSTDCCC010EC

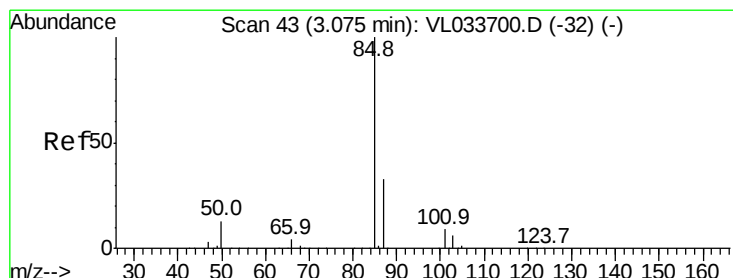
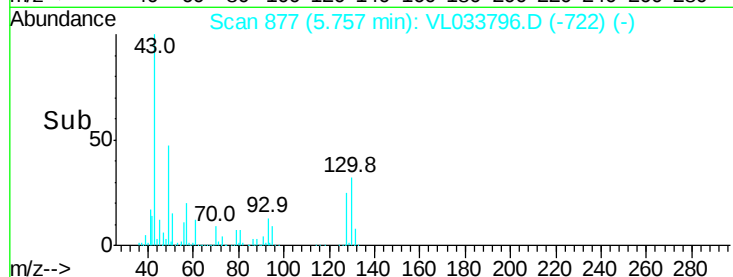
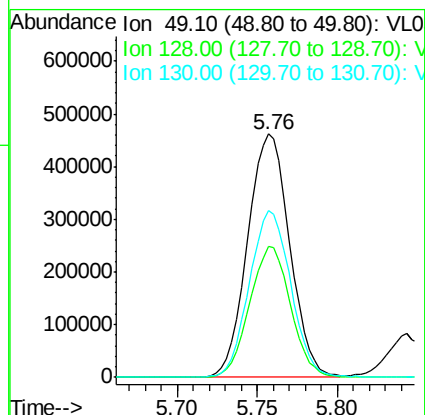
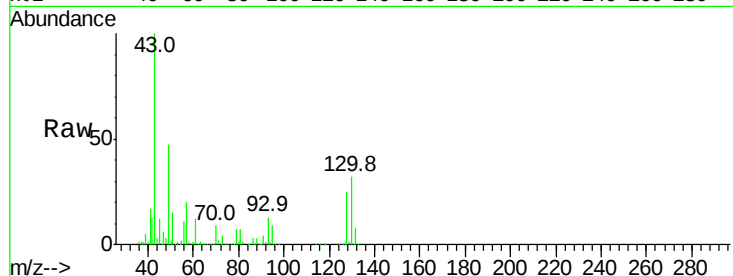
Tgt Ion: 49 Resp: 831050

Ion Ratio Lower Upper

49 100

128 52.6 25.2 75.6

130 68.1 32.5 97.5



#2

Dichlorodifluoromethane

Concen: 7.056 ppbv

RT: 3.07 min Scan# 42

Delta R.T. -0.00 min

Lab File: VL033796.D

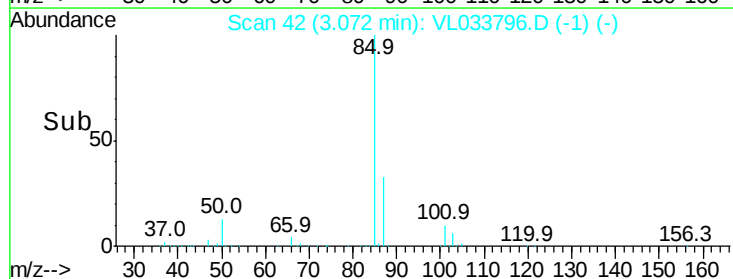
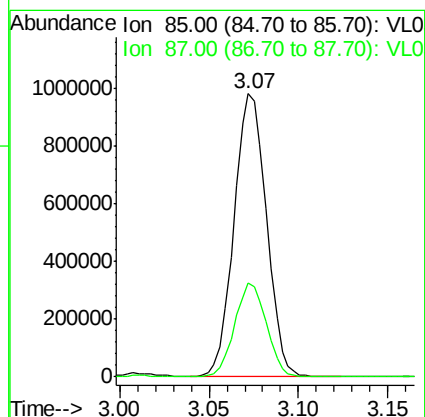
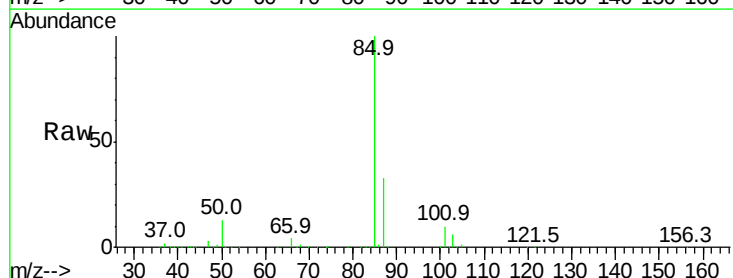
Acq: 24 May 2019 9:28

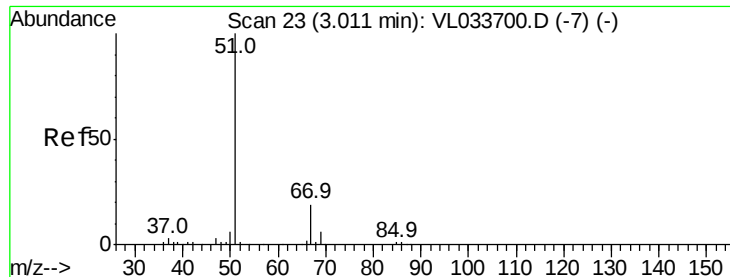
Tgt Ion: 85 Resp: 1235722

Ion Ratio Lower Upper

85 100

87 33.1 26.3 39.5





#3

Chlorodifluoromethane

Concen: 11.245 ppbv

RT: 3.01 min Scan# 23

Delta R.T. 0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

Instrument :

MSVOA_L

ClientSampleId :

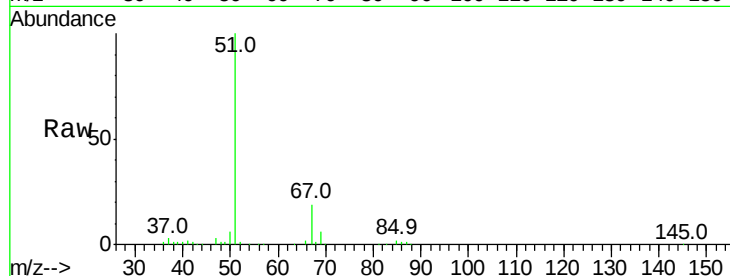
VSTDCCC010EC

Tgt Ion: 51 Resp: 1070459

Ion Ratio Lower Upper

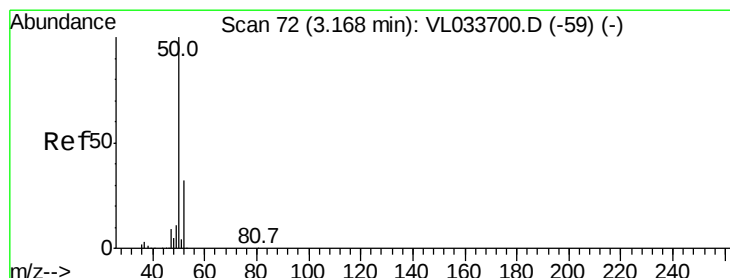
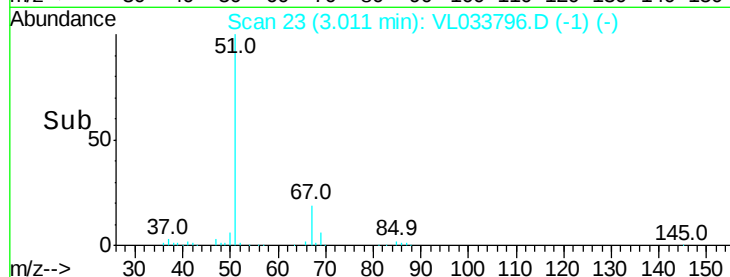
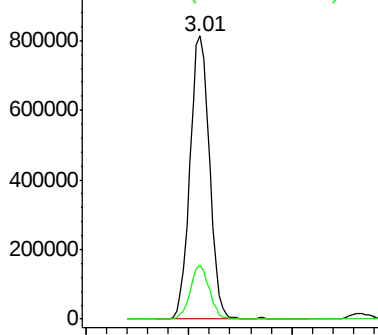
51 100

67 18.6 15.6 23.4



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 11.876 ppbv

RT: 3.17 min Scan# 72

Delta R.T. 0.00 min

Lab File: VL033796.D

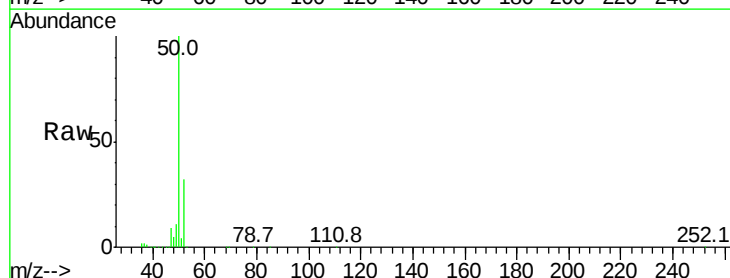
Acq: 24 May 2019 9:28

Tgt Ion: 50 Resp: 646599

Ion Ratio Lower Upper

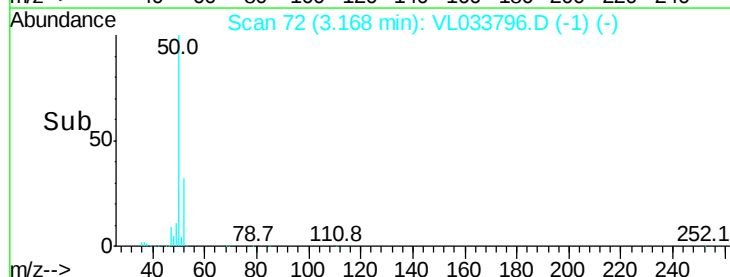
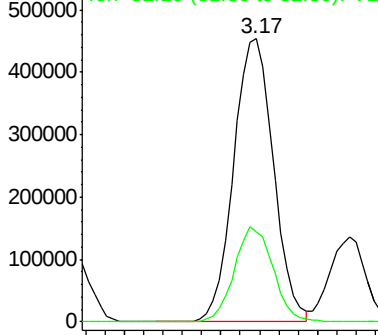
50 100

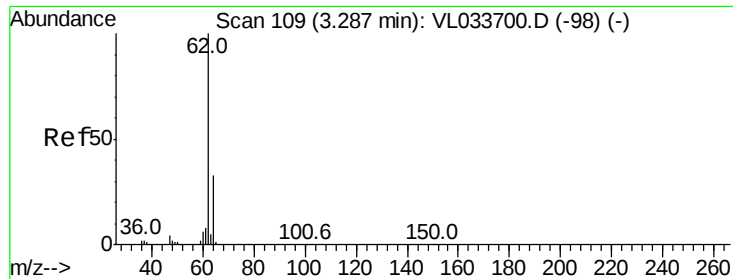
52 31.6 25.7 38.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 11.592 ppbv

RT: 3.29 min Scan# 109

Delta R.T. 0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

Instrument :

MSVOA_L

ClientSampleId :

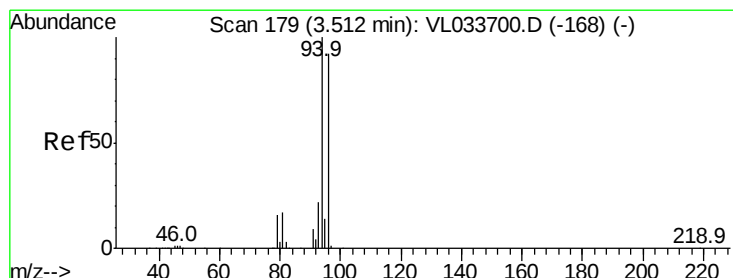
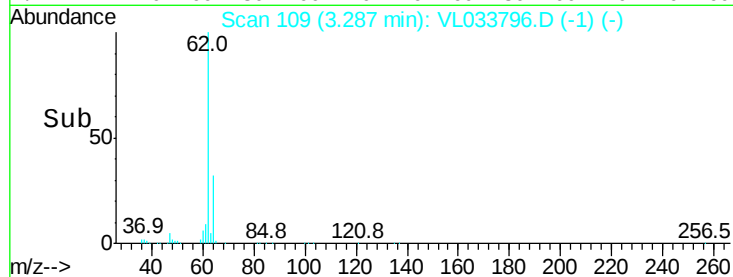
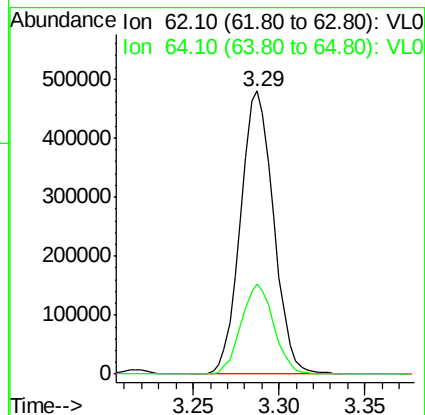
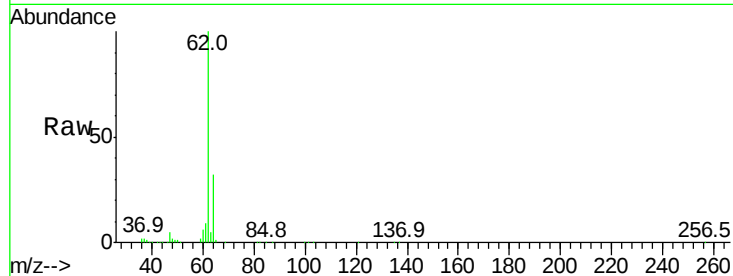
VSTDCCC010EC

Tgt Ion: 62 Resp: 642949

Ion Ratio Lower Upper

62 100

64 31.8 26.4 39.6



#6

Bromomethane

Concen: 11.977 ppbv

RT: 3.51 min Scan# 178

Delta R.T. -0.00 min

Lab File: VL033796.D

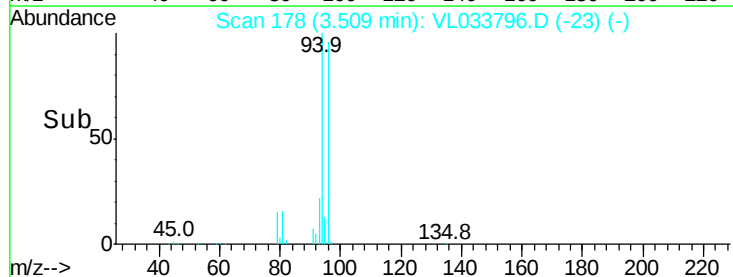
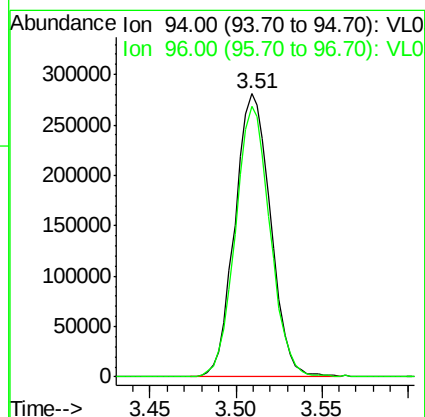
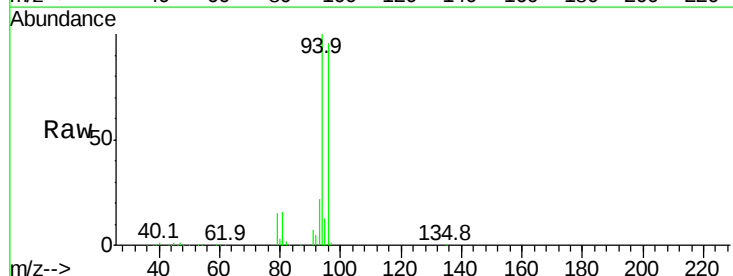
Acq: 24 May 2019 9:28

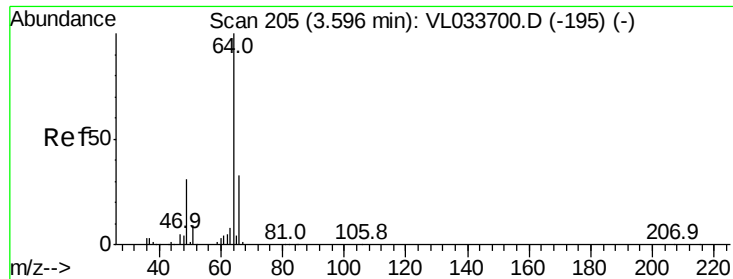
Tgt Ion: 94 Resp: 405325

Ion Ratio Lower Upper

94 100

96 95.6 73.6 110.4





#7

Chloroethane

Concen: 11.936 ppbv

RT: 3.60 min Scan# 205

Delta R.T. 0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

Instrument :

MSVOA_L

ClientSampleId :

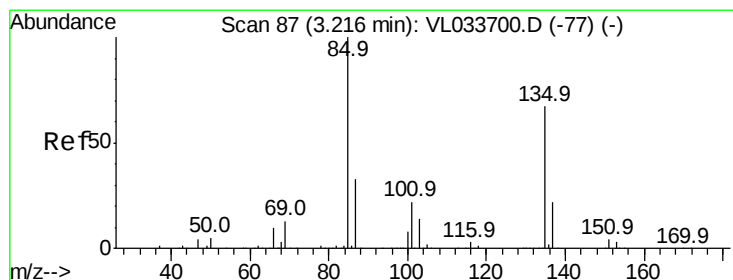
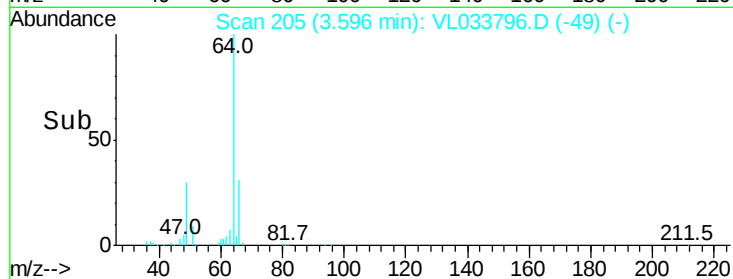
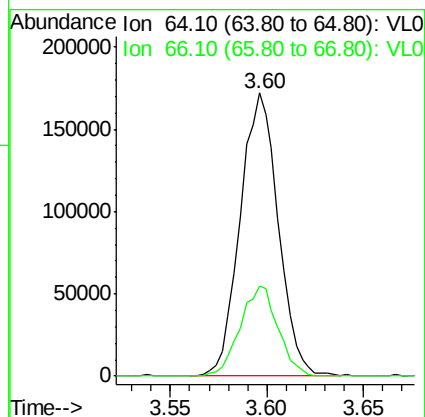
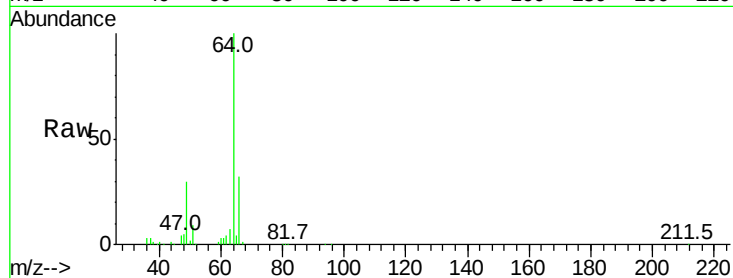
VSTDCCC010EC

Tgt Ion: 64 Resp: 235259

Ion Ratio Lower Upper

64 100

66 31.9 26.6 40.0



#8

Dichlorotetrafluoroethane

Concen: 10.883 ppbv

RT: 3.22 min Scan# 87

Delta R.T. 0.00 min

Lab File: VL033796.D

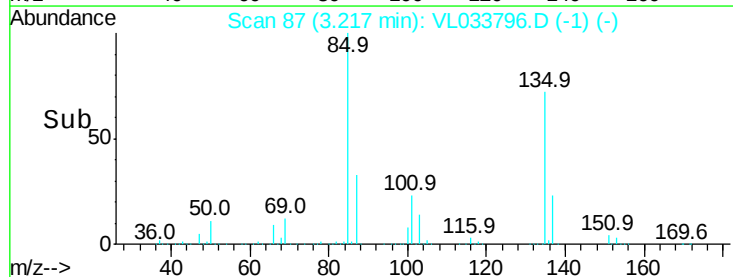
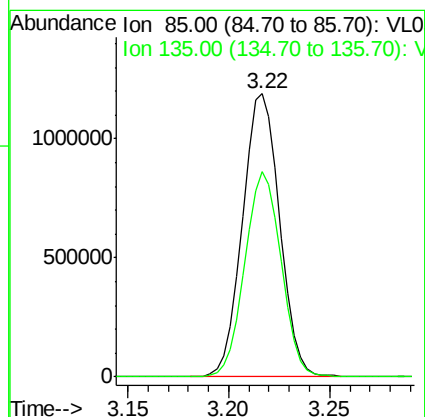
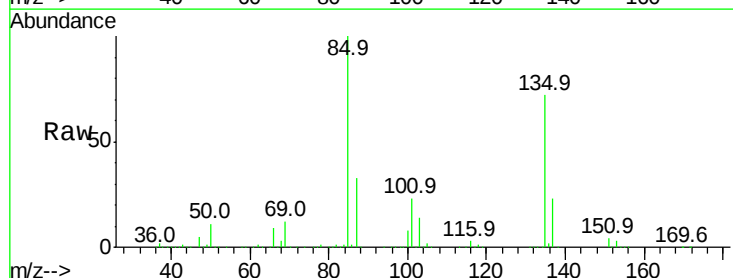
Acq: 24 May 2019 9:28

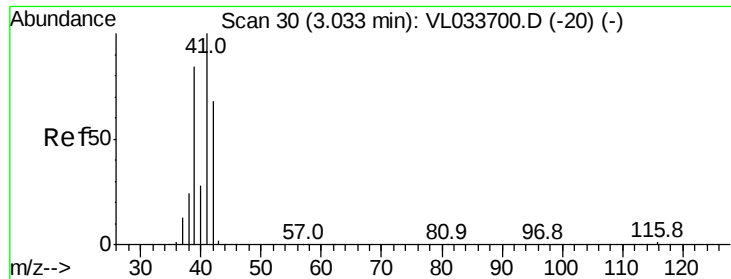
Tgt Ion: 85 Resp: 1536696

Ion Ratio Lower Upper

85 100

135 71.1 54.5 81.7





#9

Propene

Concen: 12.915 ppbv

RT: 3.03 min Scan# 30

Delta R.T. 0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

Instrument :

MSVOA_L

ClientSampleId :

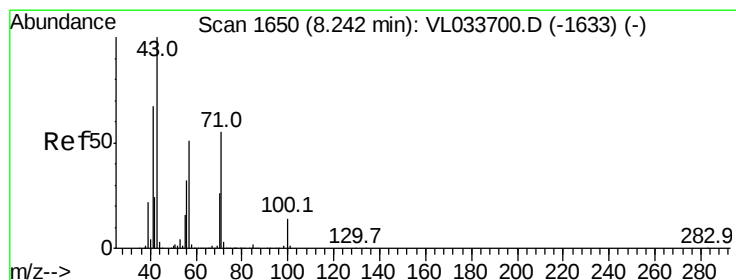
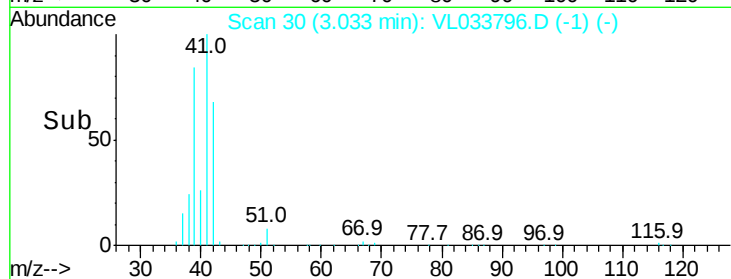
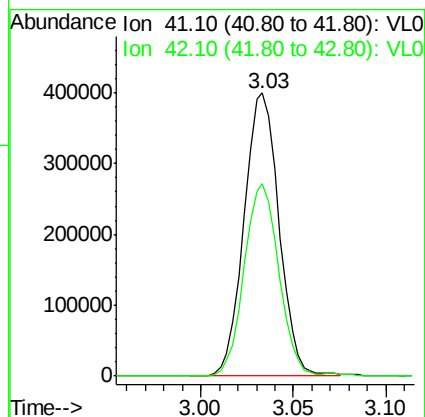
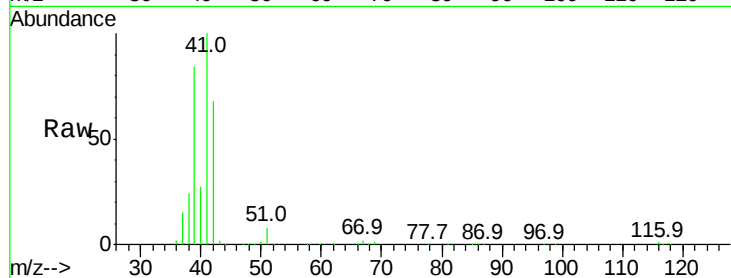
VSTDCCC010EC

Tgt Ion: 41 Resp: 522938

Ion Ratio Lower Upper

41 100

42 68.1 56.1 84.1



#10

Heptane

Concen: 11.196 ppbv

RT: 8.24 min Scan# 1650

Delta R.T. 0.00 min

Lab File: VL033796.D

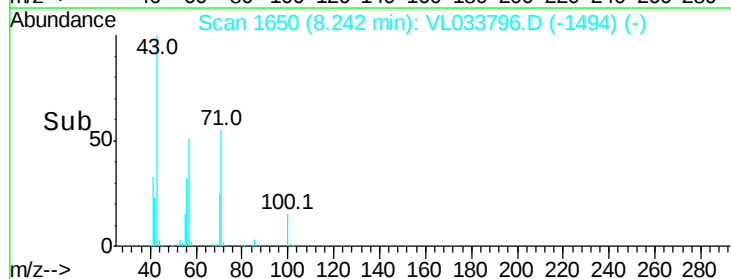
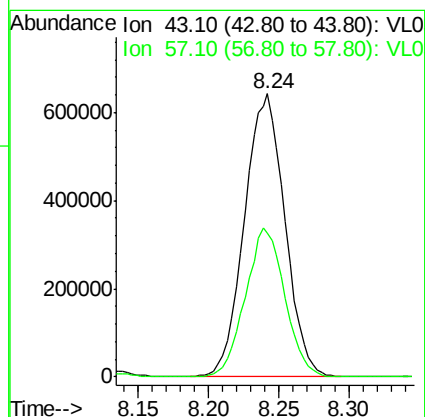
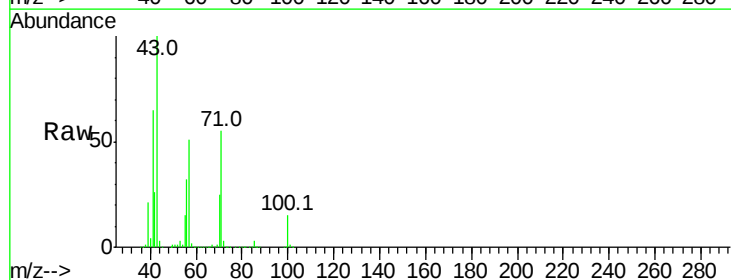
Acq: 24 May 2019 9:28

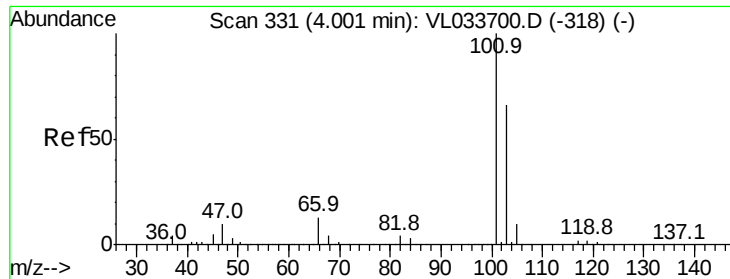
Tgt Ion: 43 Resp: 1283677

Ion Ratio Lower Upper

43 100

57 51.5 41.4 62.0

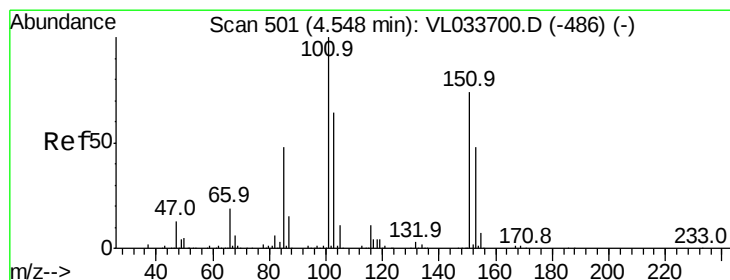
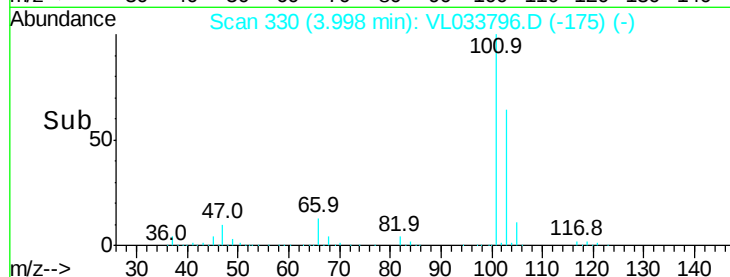
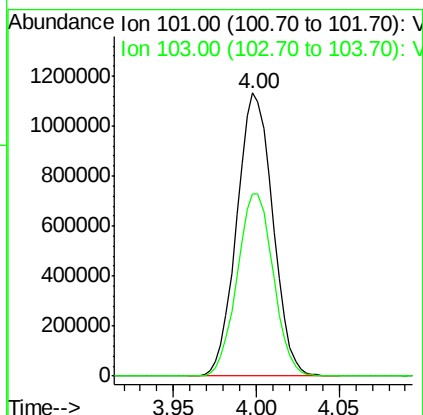
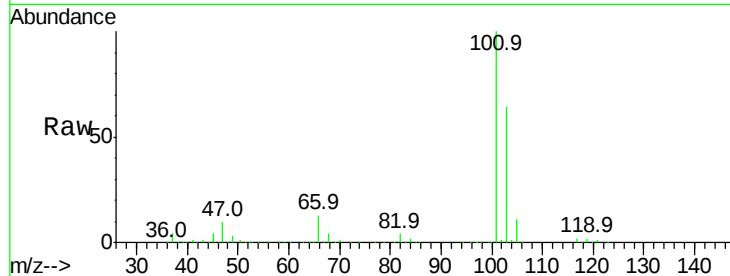




#11
 Trichlorofluoromethane
 Concen: 10.242 ppbv
 RT: 4.00 min Scan# 330
 Delta R.T. -0.00 min
 Lab File: VL033796.D
 Acq: 24 May 2019 9:28

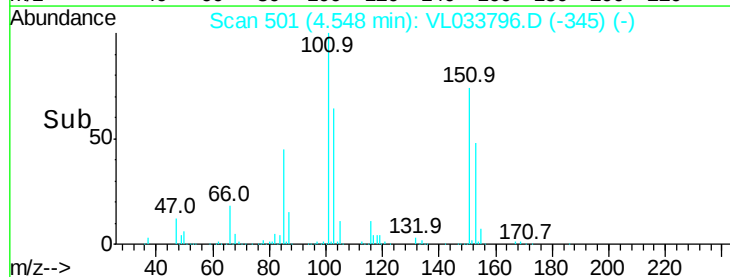
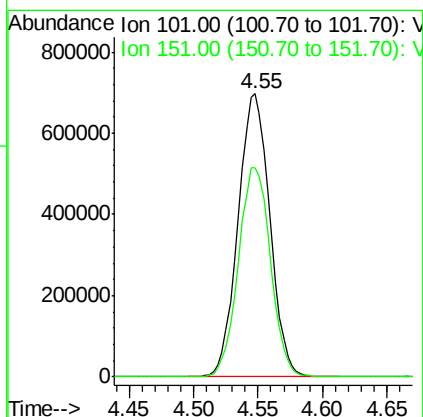
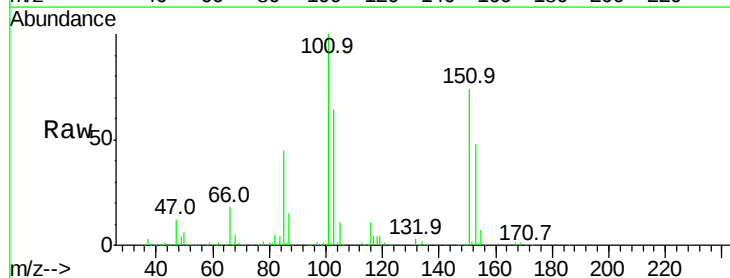
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

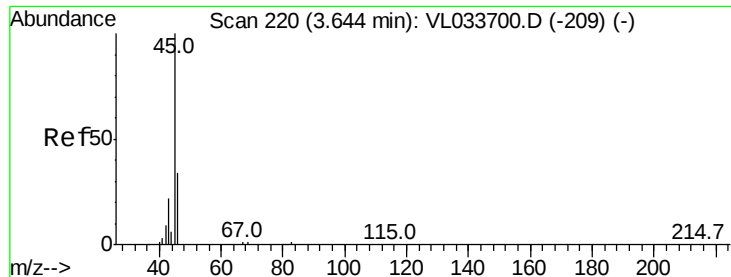
Tgt Ion:101 Resp: 1712008
 Ion Ratio Lower Upper
 101 100
 103 64.3 52.6 78.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.254 ppbv
 RT: 4.55 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VL033796.D
 Acq: 24 May 2019 9:28

Tgt Ion:101 Resp: 1196907
 Ion Ratio Lower Upper
 101 100
 151 74.8 58.2 87.4





#13

Ethanol

Concen: 8.705 ppbv

RT: 3.65 min Scan# 221

Delta R.T. 0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

Instrument :

MSVOA_L

ClientSampleId :

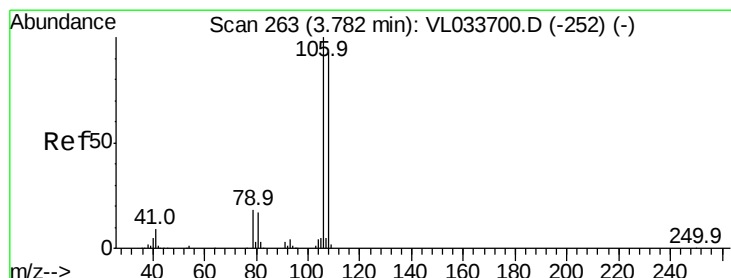
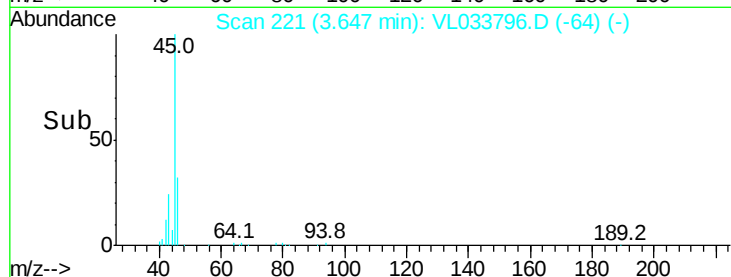
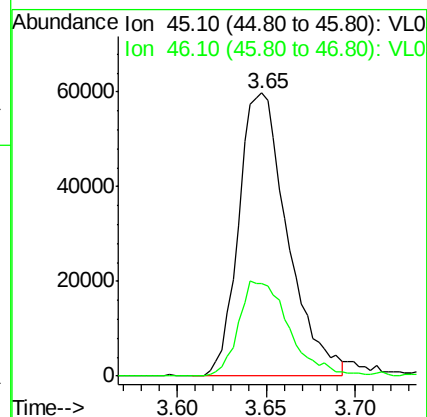
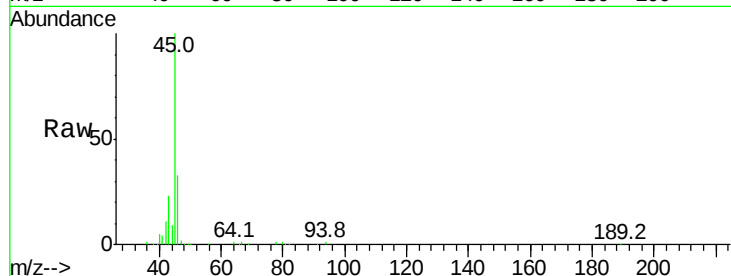
VSTDCCC010EC

Tgt Ion: 45 Resp: 113921

Ion Ratio Lower Upper

45 100

46 35.3 14.8 59.0



#14

Bromoethene

Concen: 12.210 ppbv

RT: 3.78 min Scan# 263

Delta R.T. 0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

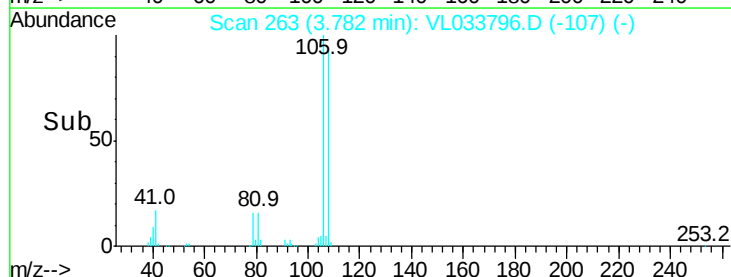
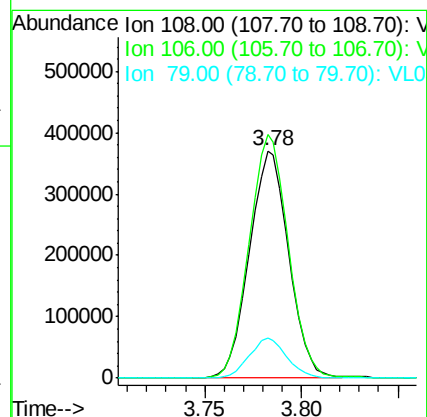
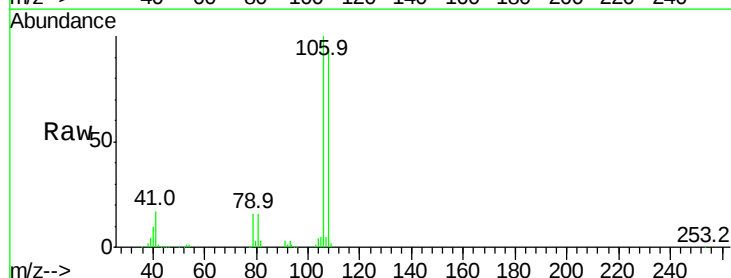
Tgt Ion: 108 Resp: 523953

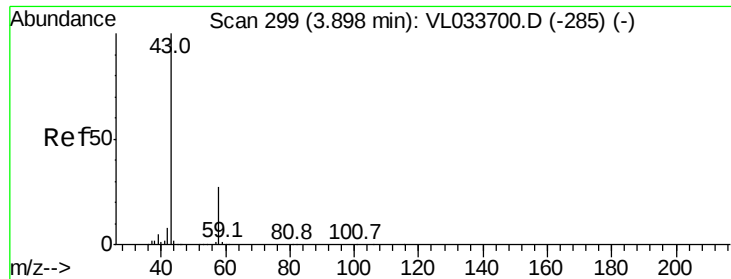
Ion Ratio Lower Upper

108 100

106 107.4 86.5 129.7

79 17.4 15.1 22.7





#15

Acetone

Concen: 9.568 ppbv

RT: 3.90 min Scan# 299

Delta R.T. 0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

Instrument :

MSVOA_L

ClientSampleId :

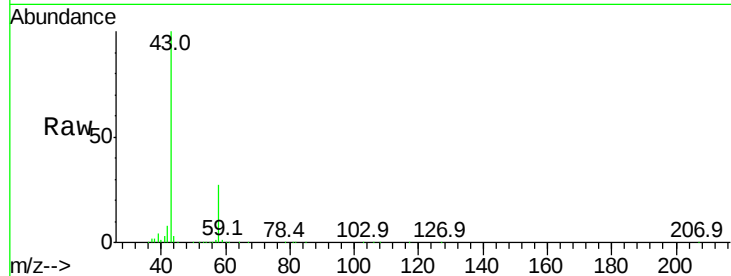
VSTDCCC010EC

Tgt Ion: 43 Resp: 1103242

Ion Ratio Lower Upper

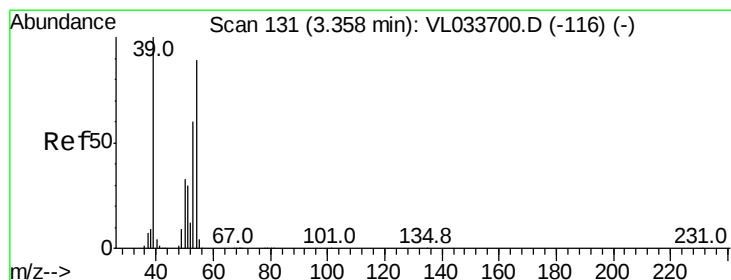
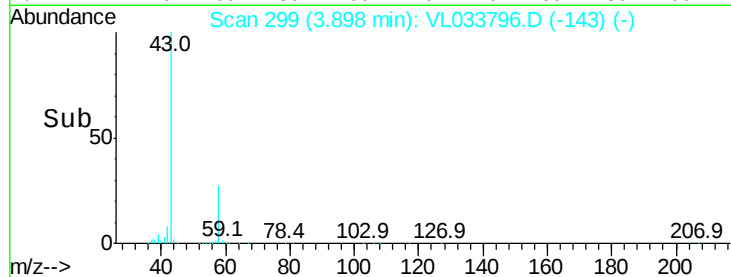
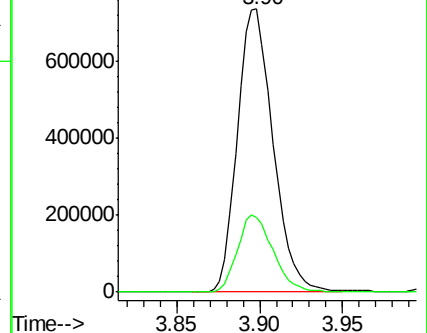
43 100

58 27.2 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: 12.222 ppbv

RT: 3.36 min Scan# 131

Delta R.T. 0.00 min

Lab File: VL033796.D

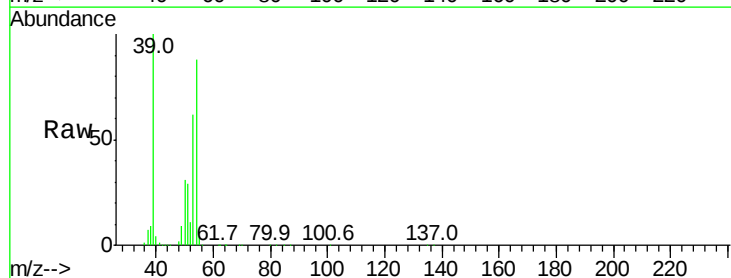
Acq: 24 May 2019 9:28

Tgt Ion: 39 Resp: 561174

Ion Ratio Lower Upper

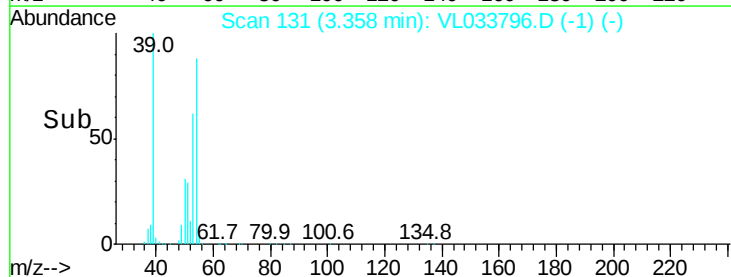
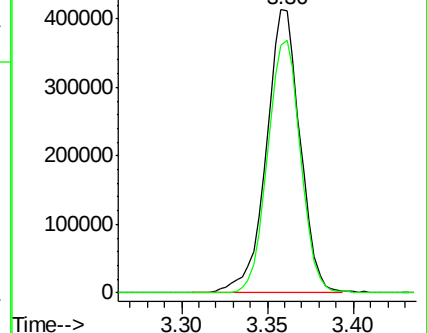
39 100

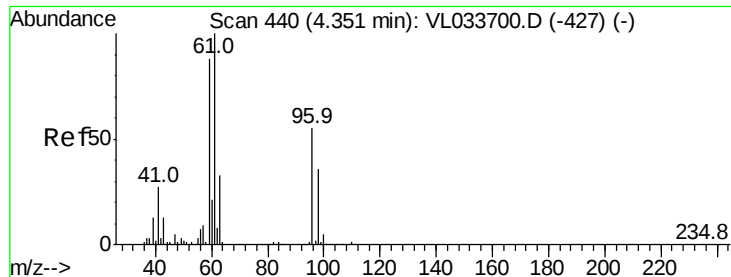
54 87.3 69.0 103.6



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 12.783 ppbv

RT: 4.35 min Scan# 439

Delta R.T. -0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

Instrument :

MSVOA_L

ClientSampleId :

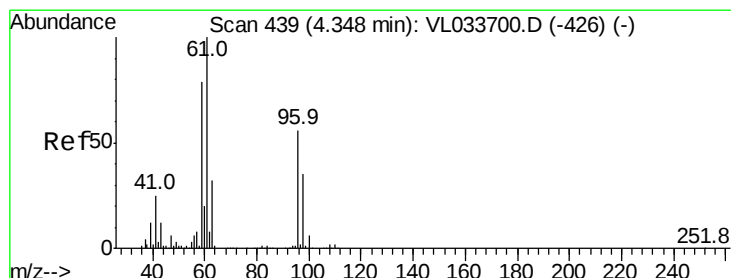
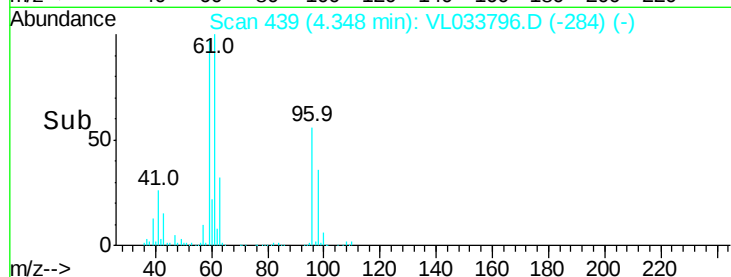
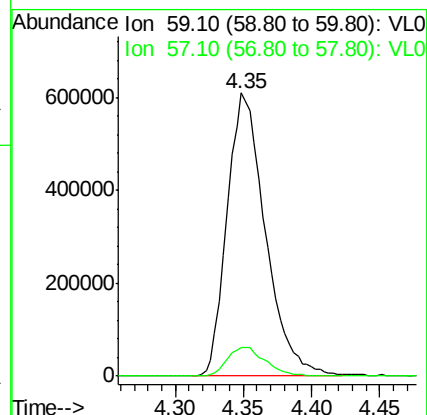
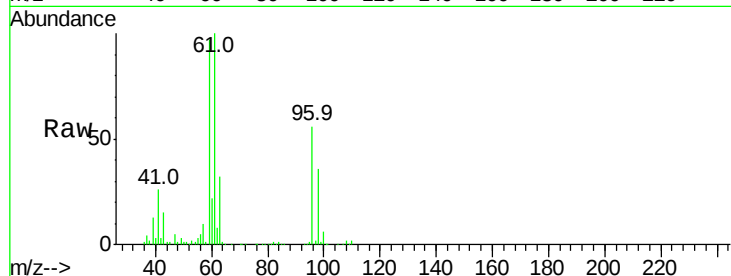
VSTDCCC010EC

Tgt Ion: 59 Resp: 1191862

Ion Ratio Lower Upper

59 100

57 10.6 8.4 12.6



#18

1,1-Dichloroethene

Concen: 11.001 ppbv

RT: 4.35 min Scan# 438

Delta R.T. -0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

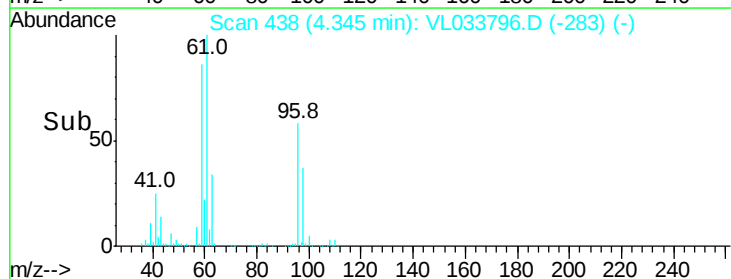
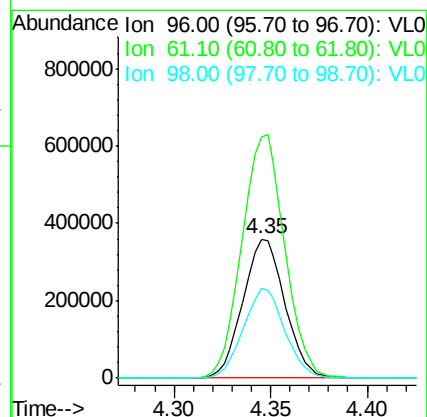
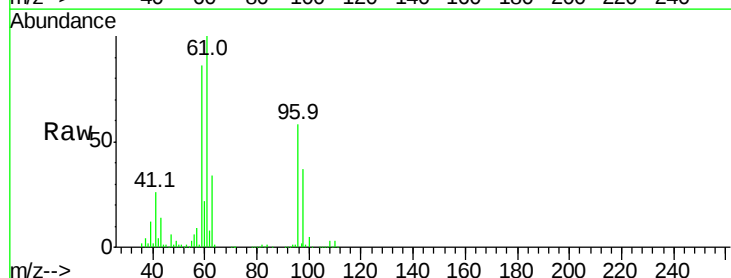
Tgt Ion: 96 Resp: 541999

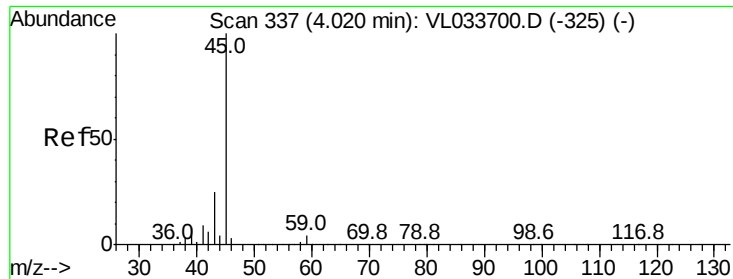
Ion Ratio Lower Upper

96 100

61 173.0 143.1 214.7

98 64.6 49.5 74.3





#19

Isopropyl Alcohol

Concen: 12.044 ppbv

RT: 4.02 min Scan# 336

Delta R.T. -0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

Instrument :

MSVOA_L

ClientSampleId :

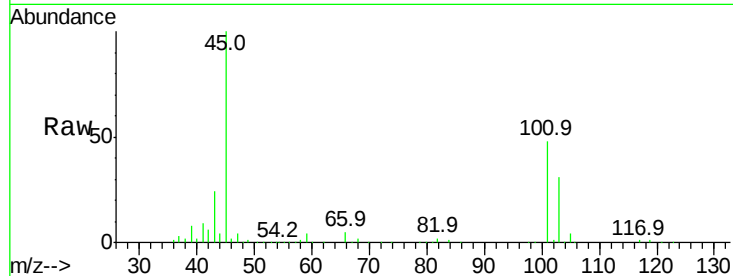
VSTDCCC010EC

Tgt Ion: 45 Resp: 895427

Ion Ratio Lower Upper

45 100

58 1.8 1.6 2.4



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.02

500000

400000

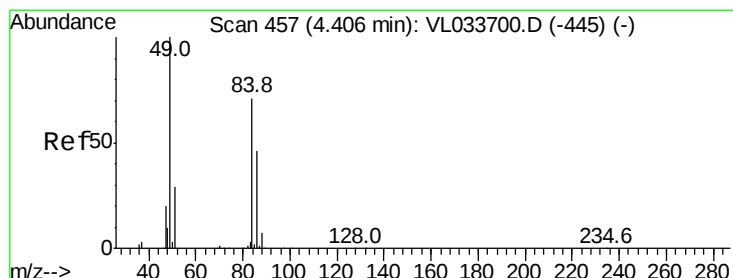
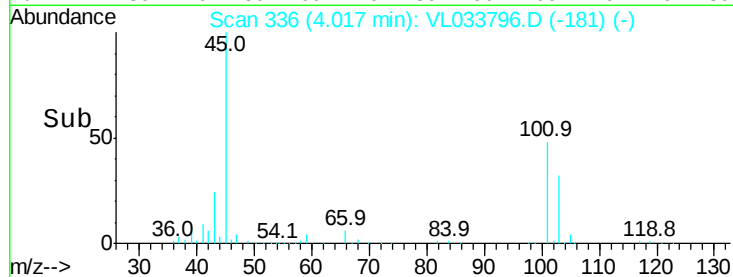
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 10.147 ppbv

RT: 4.40 min Scan# 456

Delta R.T. -0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

Tgt Ion: 84 Resp: 450462

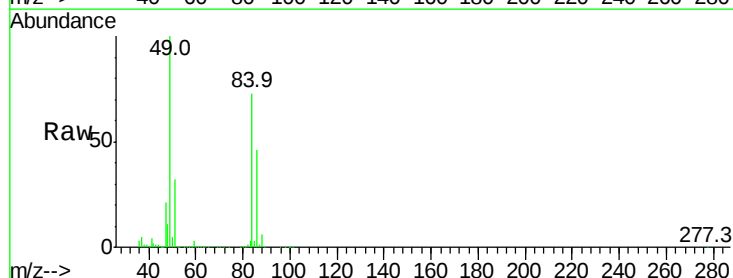
Ion Ratio Lower Upper

84 100

49 136.5 112.8 169.2

51 42.5 33.4 50.0

86 62.8 51.7 77.5



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

4.40

600000

500000

400000

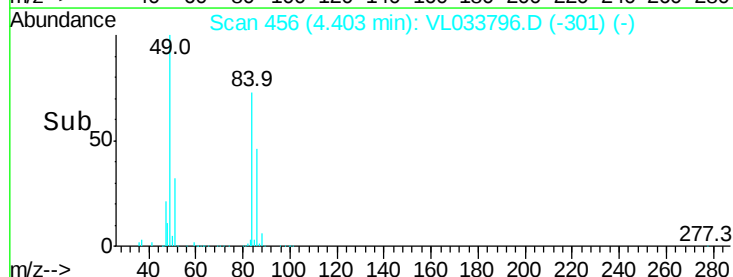
300000

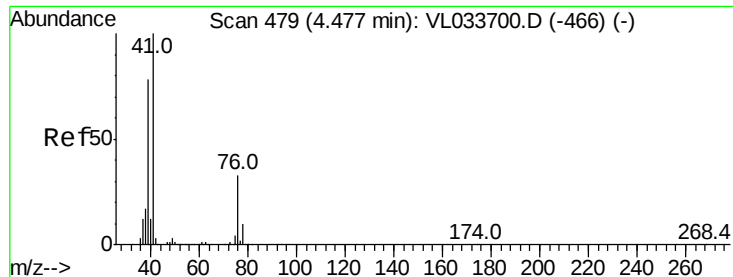
200000

100000

0

Time-->





#21

Allyl Chloride

Concen: 11.268 ppbv

RT: 4.47 min Scan# 478

Delta R.T. -0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

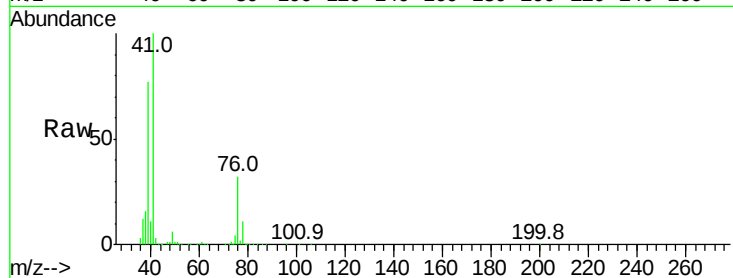
Tgt Ion: 41 Resp: 810375

Ion Ratio Lower Upper

41 100

76 32.3 25.9 38.9

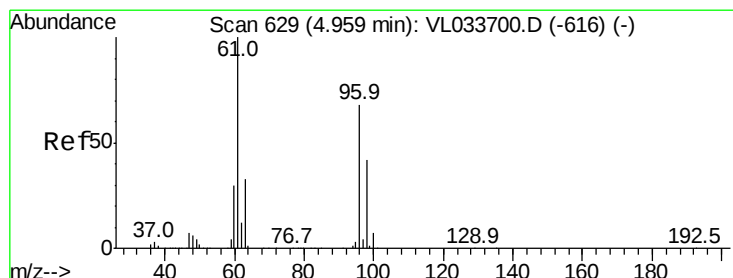
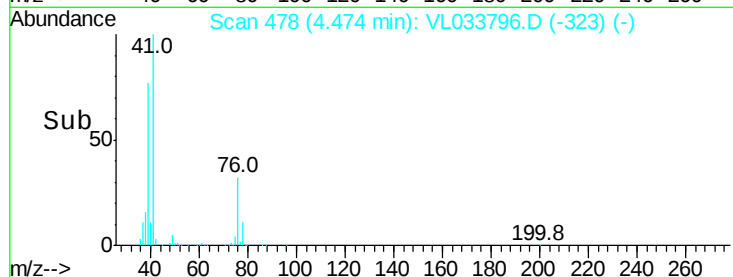
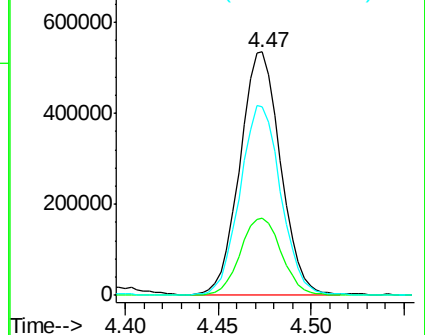
39 78.8 64.6 97.0



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 10.829 ppbv

RT: 4.96 min Scan# 628

Delta R.T. -0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

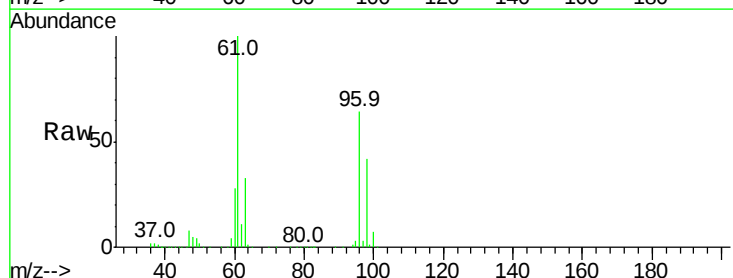
Tgt Ion: 96 Resp: 546891

Ion Ratio Lower Upper

96 100

61 155.9 116.8 175.2

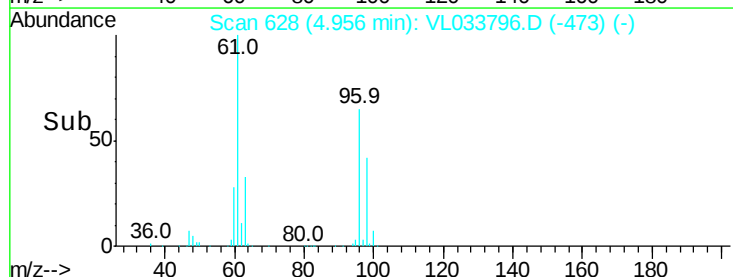
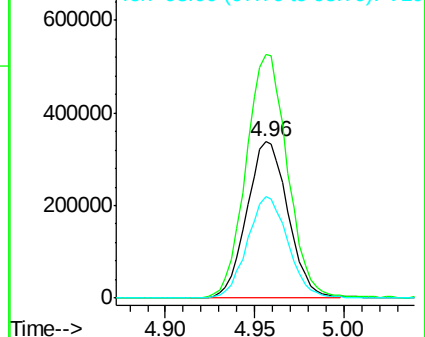
98 65.3 49.4 74.0

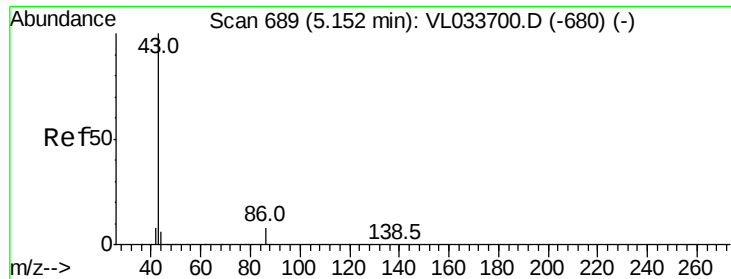


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 12.393 ppbv

RT: 5.15 min Scan# 688

Delta R.T. -0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 1884149

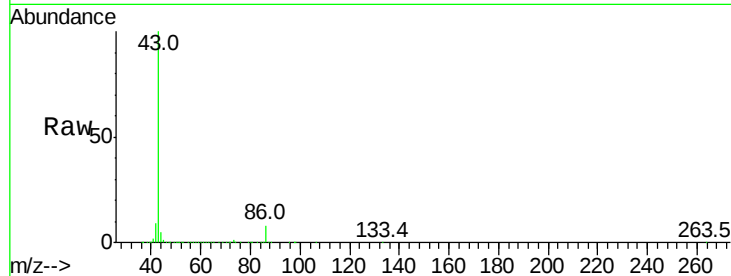
Ion Ratio Lower Upper

43 100

86 7.9 6.0 9.0

42 9.5 7.5 11.3

44 5.0 4.4 6.6

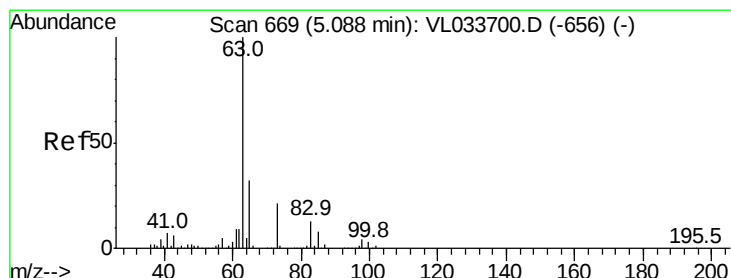
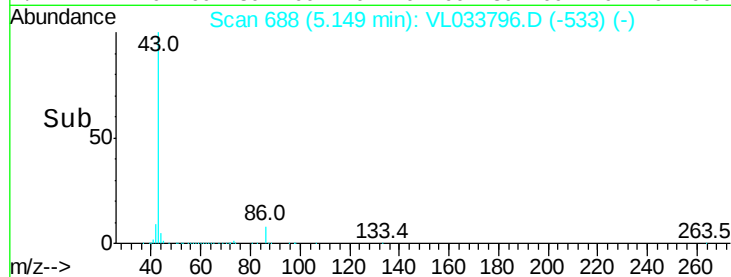
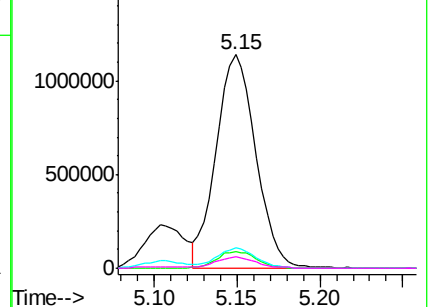


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 11.113 ppbv

RT: 5.09 min Scan# 669

Delta R.T. 0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

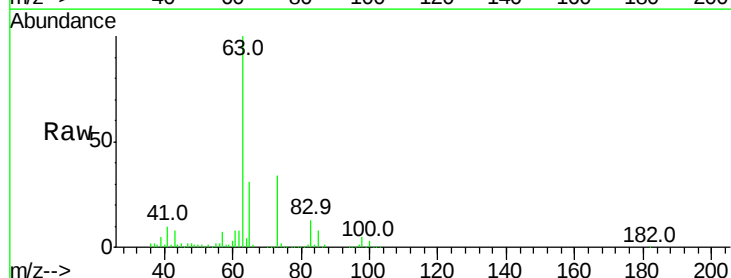
Tgt Ion: 63 Resp: 1284305

Ion Ratio Lower Upper

63 100

98 4.7 1.8 5.5

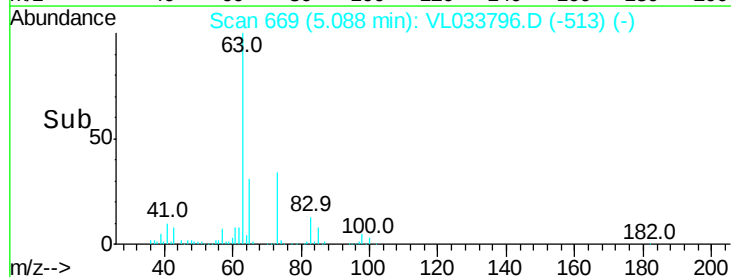
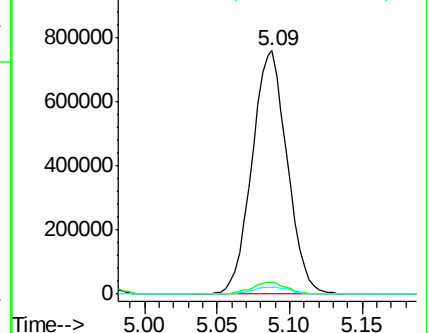
100 2.7 1.4 4.2

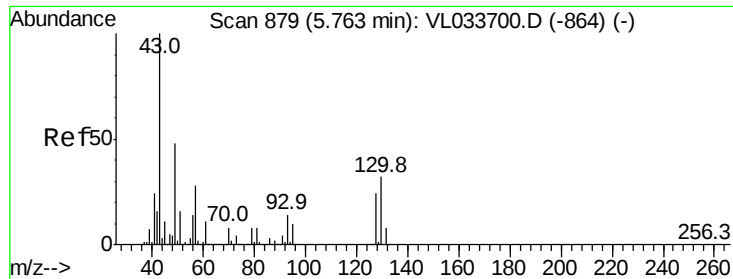


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



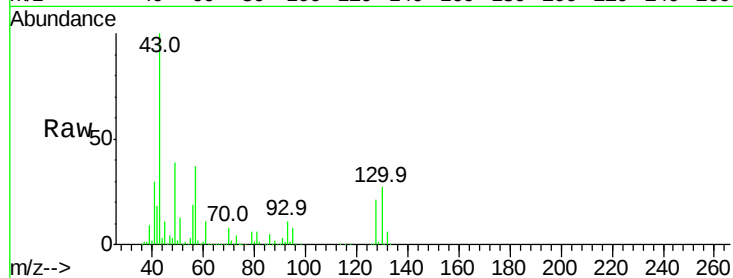


#25
Ethyl Acetate
Concen: 10.784 ppbv
RT: 5.76 min Scan# 879
Delta R.T. 0.00 min
Lab File: VL033796.D
Acq: 24 May 2019 9:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 2184383

Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.9	11.9
61	10.1	7.7	11.5
70	7.6	5.8	8.6



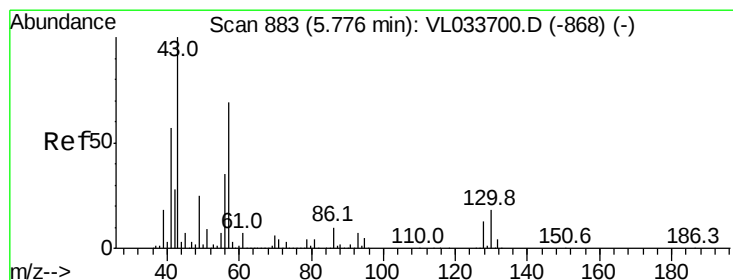
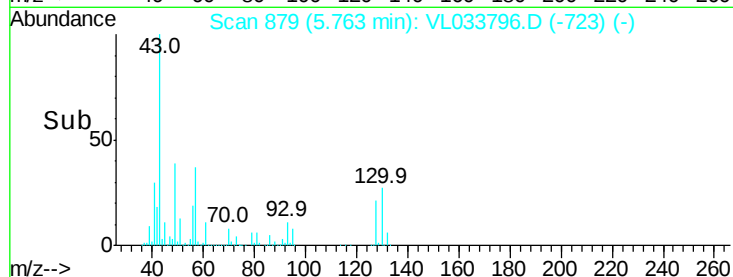
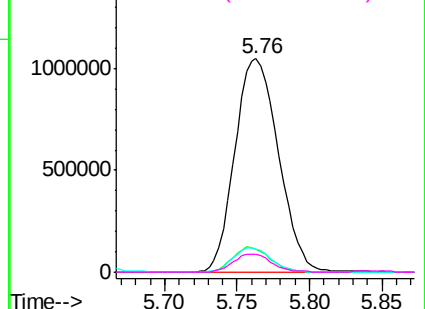
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

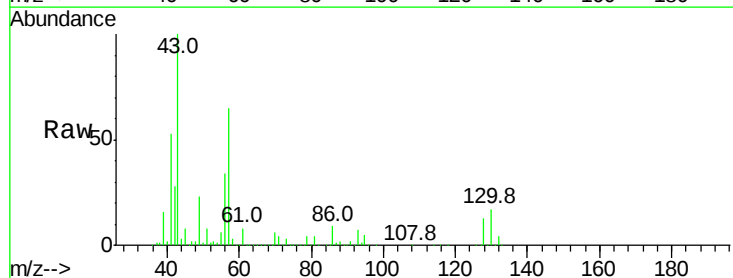
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 11.113 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.00 min
Lab File: VL033796.D
Acq: 24 May 2019 9:28

Tgt Ion: 57 Resp: 967703

Ion	Ratio	Lower	Upper
57	100		
41	84.3	69.8	104.6
43	227.2	181.8	272.6
56	51.3	42.1	63.1



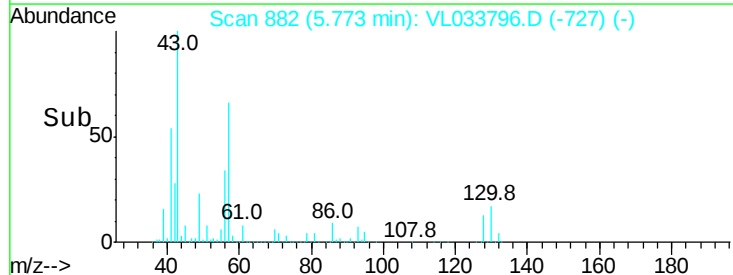
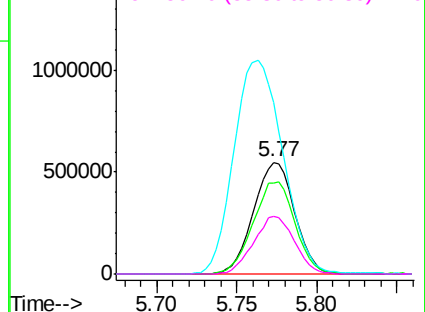
Abundance

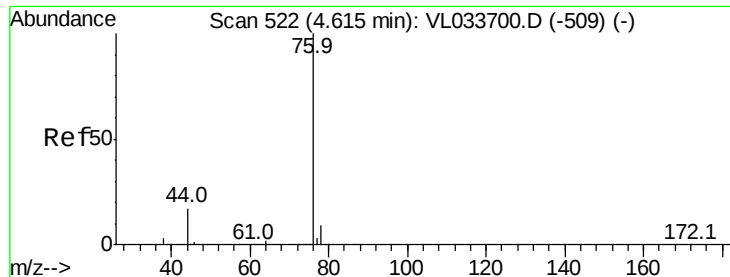
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

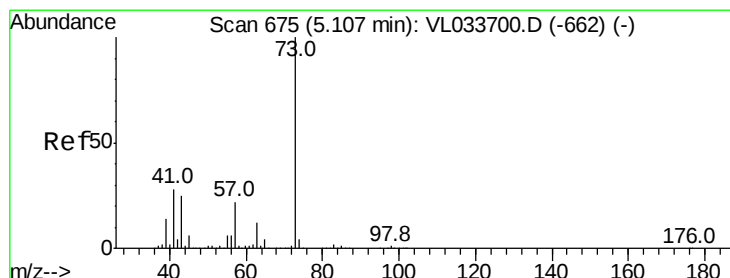
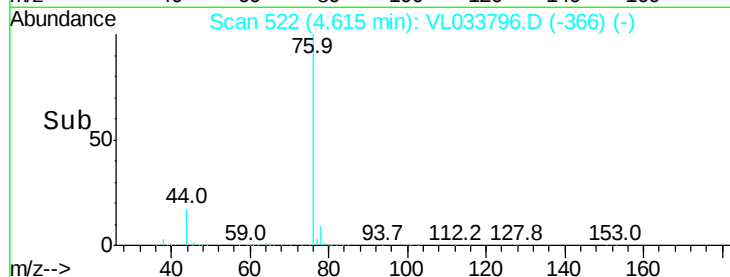
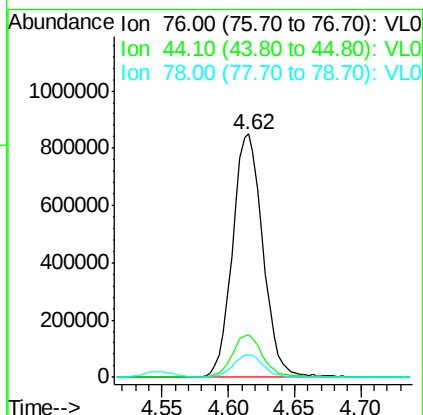
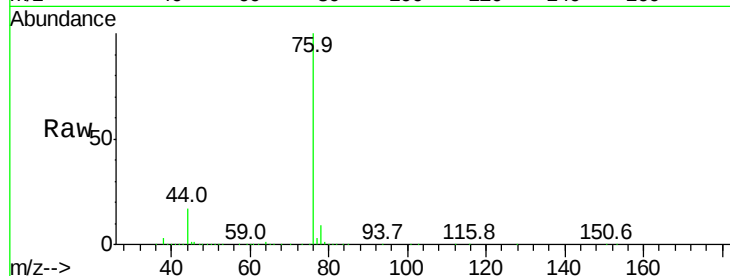




#27
Carbon Disulfide
Concen: 11.297 ppbv
RT: 4.62 min Scan# 522
Delta R.T. 0.00 min
Lab File: VL033796.D
Acq: 24 May 2019 9:28

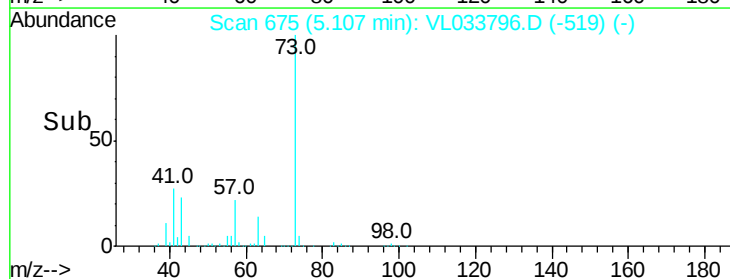
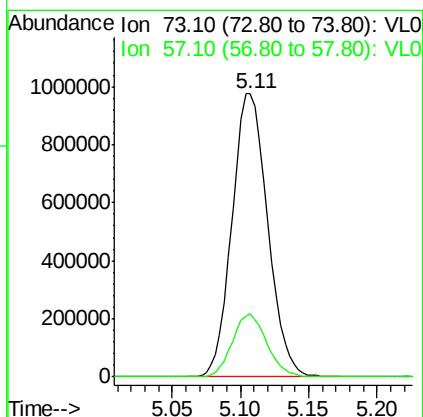
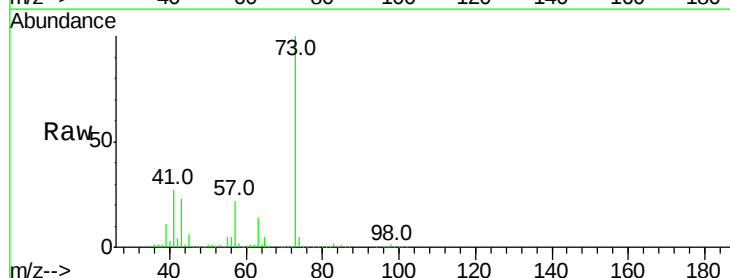
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

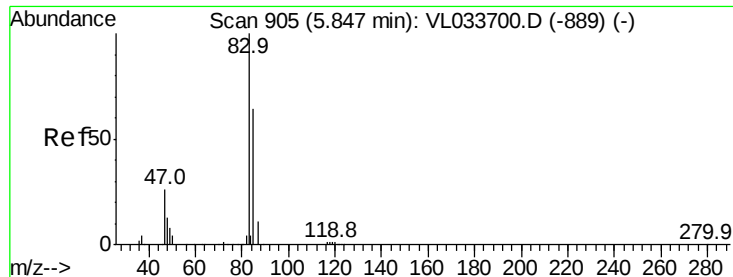
Tgt Ion: 76 Resp: 1349626
Ion Ratio Lower Upper
76 100
44 17.6 13.8 20.8
78 9.2 7.4 11.0



#28
Methyl tert-Butyl Ether
Concen: 12.502 ppbv
RT: 5.11 min Scan# 675
Delta R.T. 0.00 min
Lab File: VL033796.D
Acq: 24 May 2019 9:28

Tgt Ion: 73 Resp: 1774742
Ion Ratio Lower Upper
73 100
57 21.8 17.4 26.2





#29

Chloroform

Concen: 10.169 ppbv

RT: 5.84 min Scan# 904

Delta R.T. -0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

Instrument :

MSVOA_L

ClientSampleId :

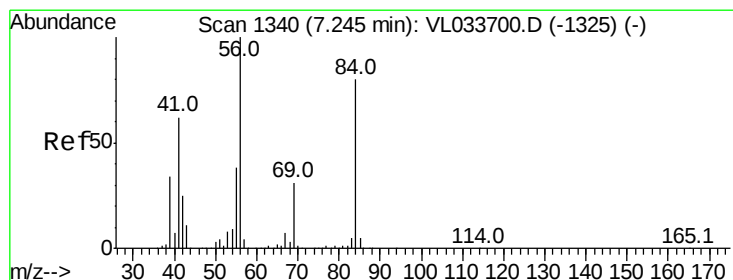
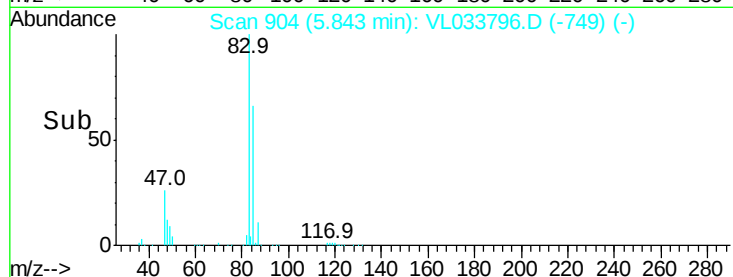
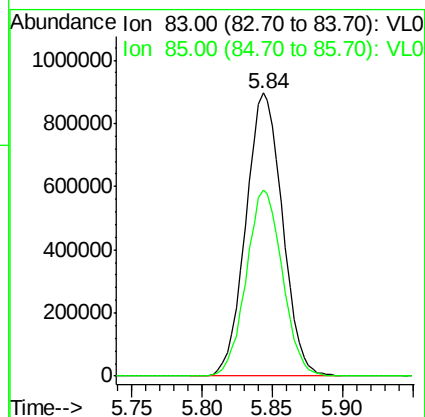
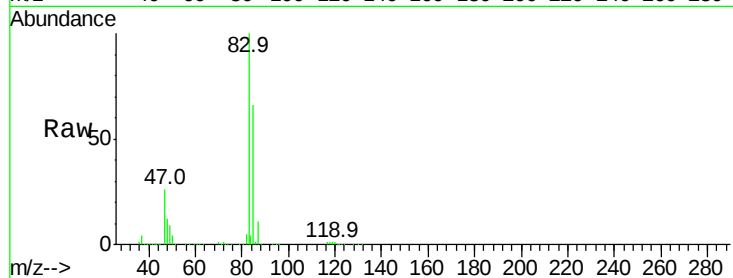
VSTDCCC010EC

Tgt Ion: 83 Resp: 1631042

Ion Ratio Lower Upper

83 100

85 65.4 51.5 77.3



#30

Cyclohexane

Concen: 11.780 ppbv

RT: 7.24 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

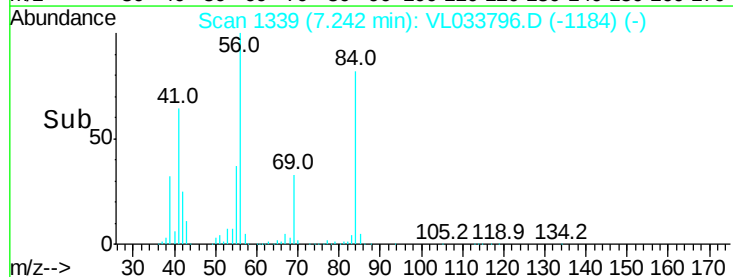
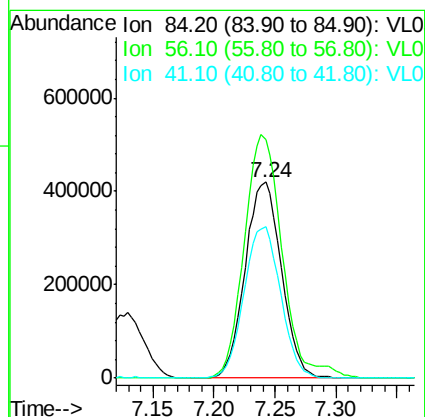
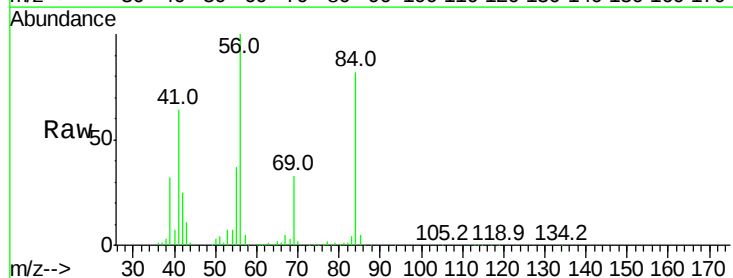
Tgt Ion: 84 Resp: 862406

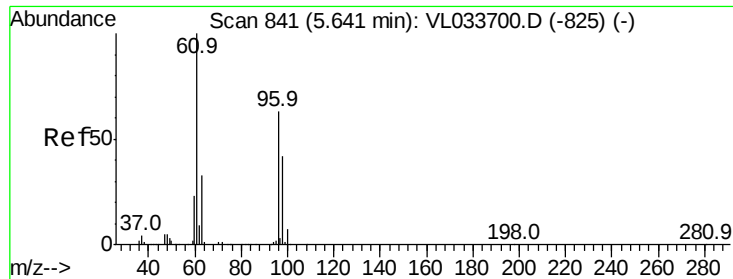
Ion Ratio Lower Upper

84 100

56 129.9 107.7 161.5

41 77.9 66.0 99.0





#31

cis-1,2-Dichloroethene

Concen: 11.750 ppbv

RT: 5.63 min Scan# 839

Delta R.T. -0.01 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

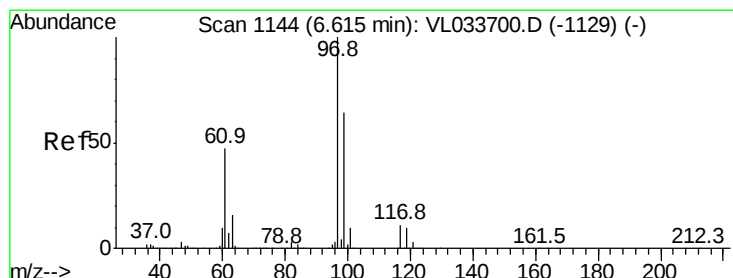
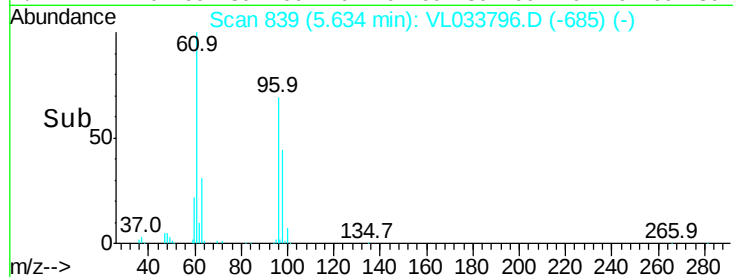
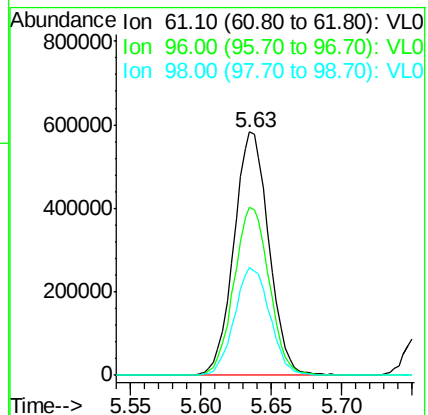
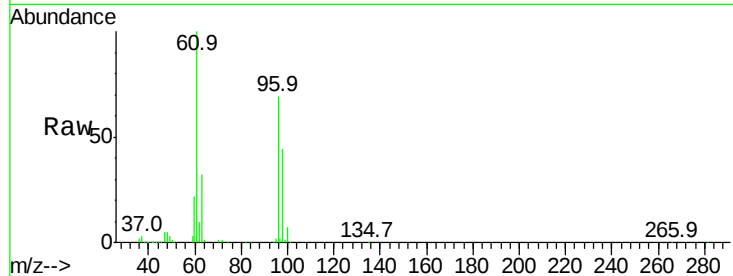
Tgt Ion: 61 Resp: 1014466

Ion Ratio Lower Upper

61 100

96 69.2 50.8 76.2

98 44.1 33.3 49.9



#32

1,1,1-Trichloroethane

Concen: 10.245 ppbv

RT: 6.62 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

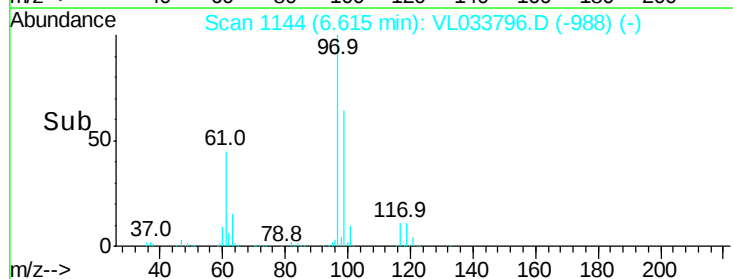
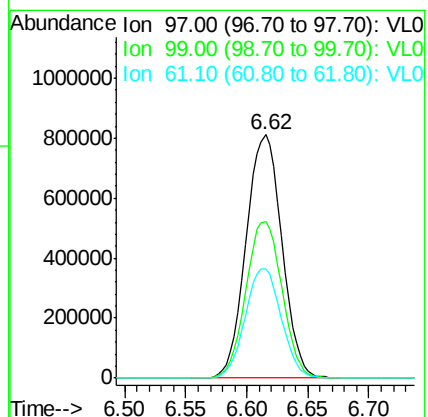
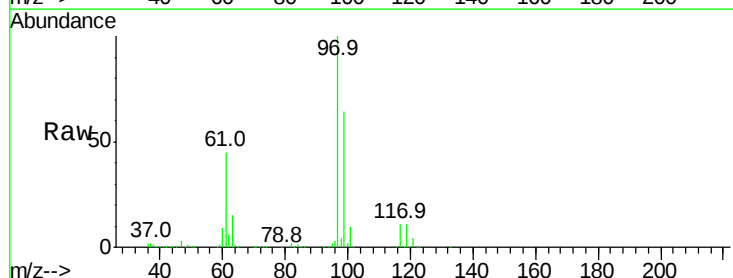
Tgt Ion: 97 Resp: 1640837

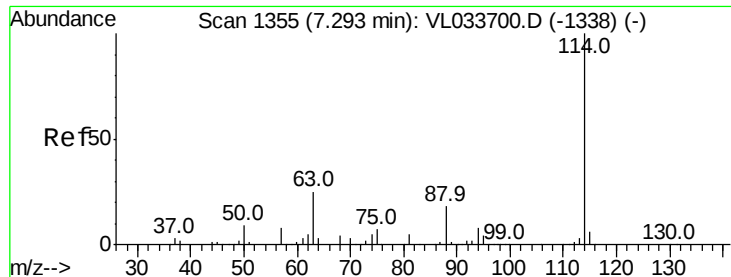
Ion Ratio Lower Upper

97 100

99 65.1 51.5 77.3

61 45.5 37.8 56.8

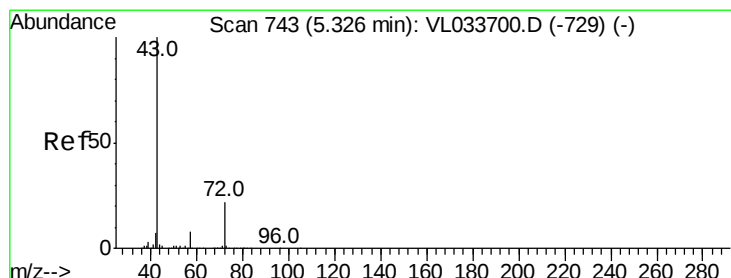
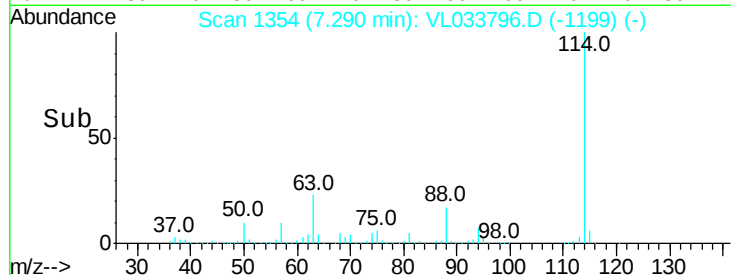
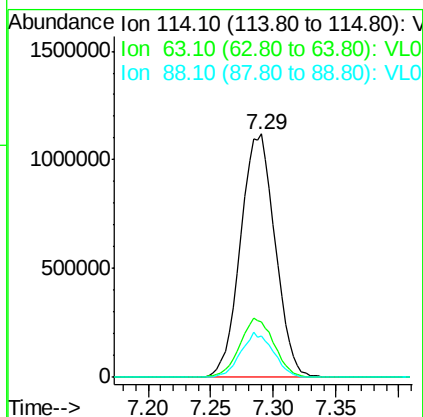
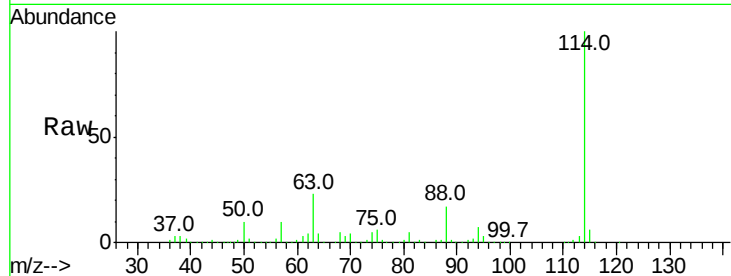




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1354
 Delta R.T. -0.00 min
 Lab File: VL033796.D
 Acq: 24 May 2019 9:28

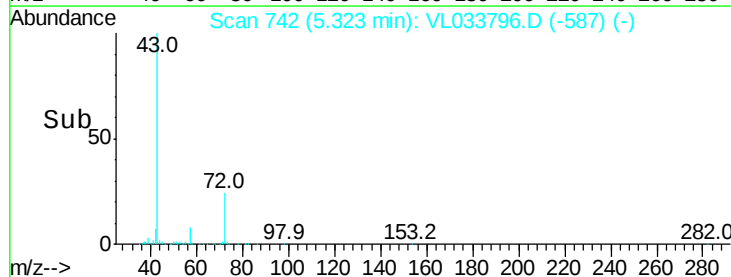
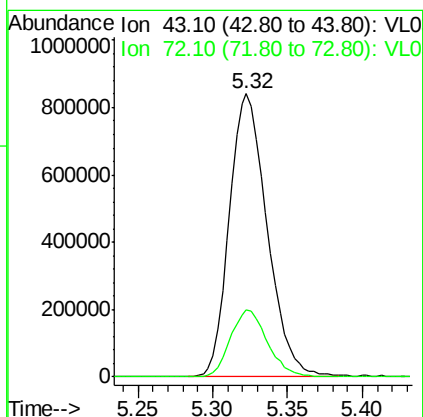
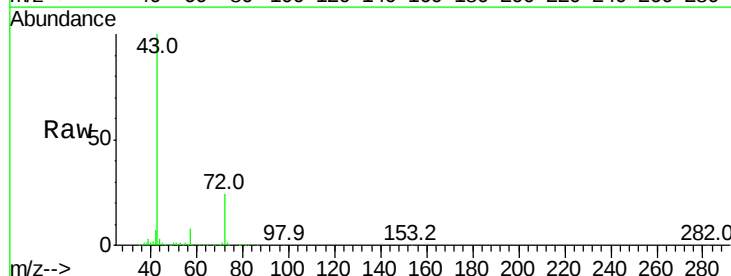
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

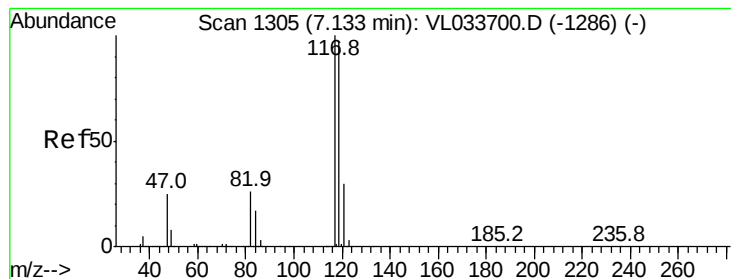
Tgt Ion: 114 Resp: 2153286
 Ion Ratio Lower Upper
 114 100
 63 24.4 20.9 31.3
 88 17.3 14.3 21.5



#34
 2-Butanone
 Concen: 11.032 ppbv
 RT: 5.32 min Scan# 742
 Delta R.T. -0.00 min
 Lab File: VL033796.D
 Acq: 24 May 2019 9:28

Tgt Ion: 43 Resp: 1472381
 Ion Ratio Lower Upper
 43 100
 72 23.5 17.8 26.6





#35

Carbon Tetrachloride

Concen: 9.944 ppbv

RT: 7.13 min Scan# 1303

Delta R.T. -0.01 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

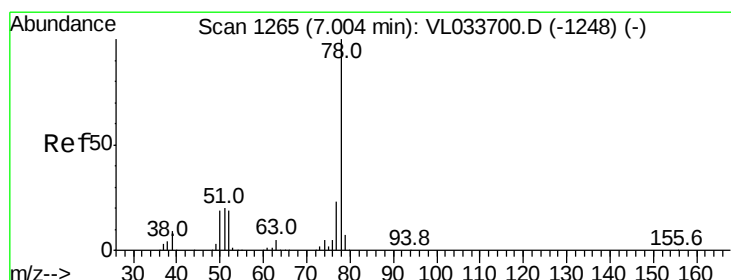
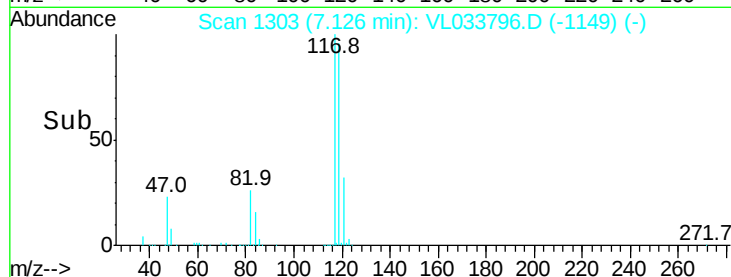
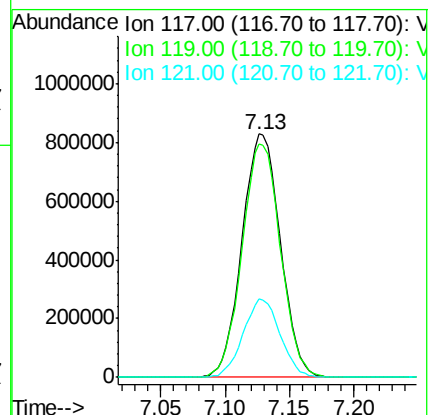
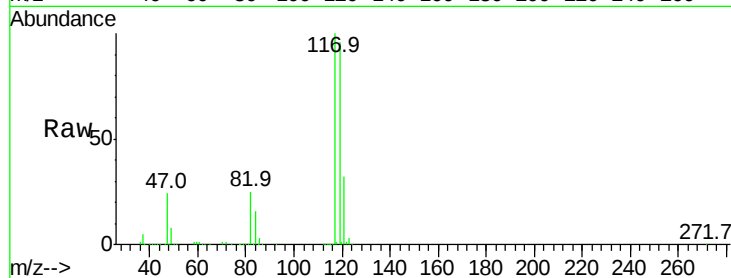
Tgt Ion:117 Resp: 1715206

Ion Ratio Lower Upper

117 100

119 96.0 77.2 115.8

121 32.0 24.1 36.1



#36

Benzene

Concen: 10.837 ppbv

RT: 7.00 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

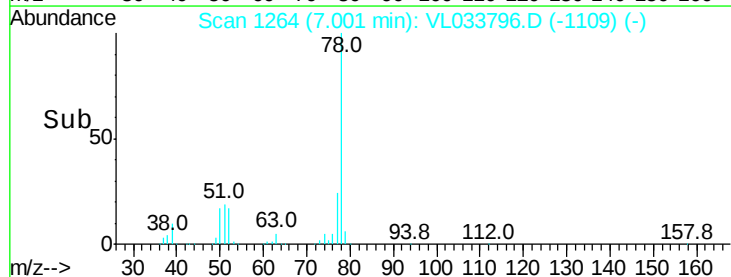
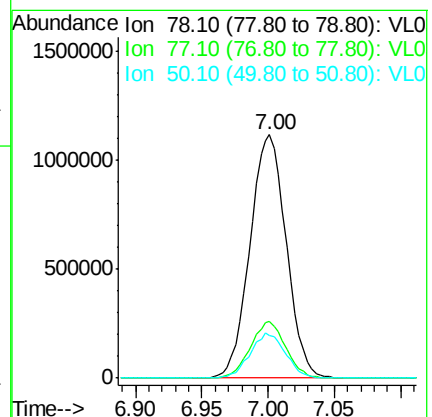
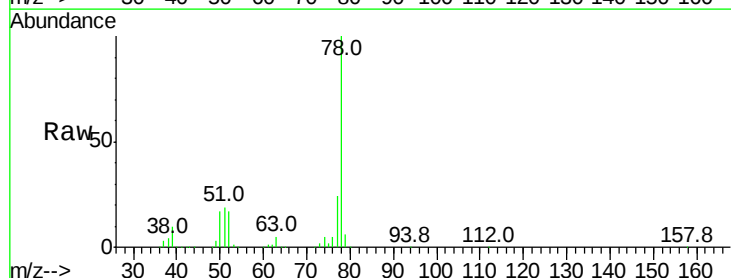
Tgt Ion: 78 Resp: 2122788

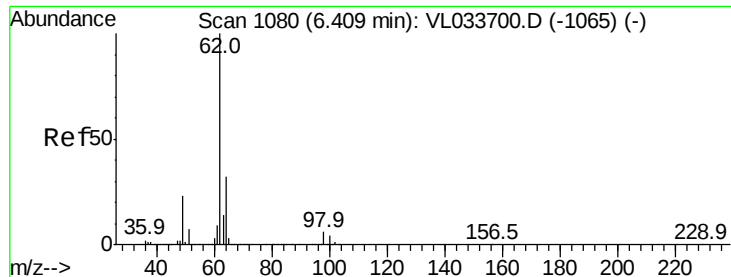
Ion Ratio Lower Upper

78 100

77 23.5 18.4 27.6

50 17.5 15.5 23.3





#37

1,2-Dichloroethane

Concen: 9.528 ppbv

RT: 6.41 min Scan# 1079

Delta R.T. -0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

Instrument :

MSVOA_L

ClientSampleId :

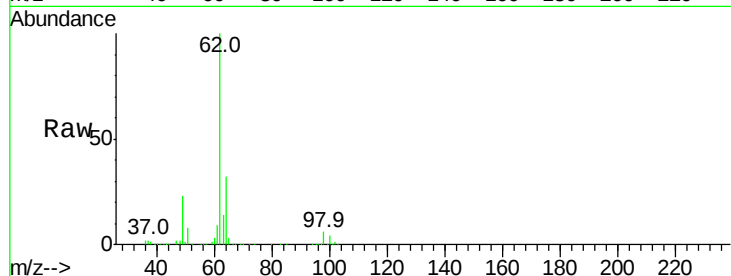
VSTDCCC010EC

Tgt Ion: 62 Resp: 1203882

Ion Ratio Lower Upper

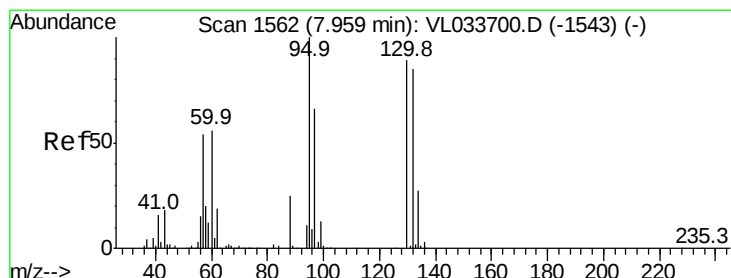
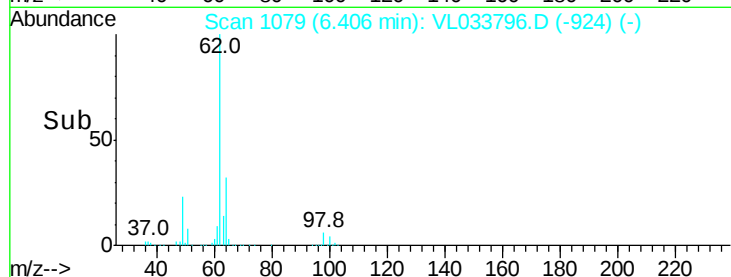
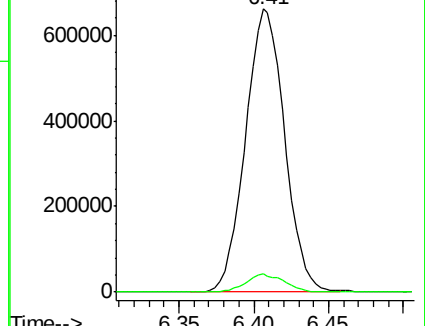
62 100

98 6.3 4.5 6.7



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 11.459 ppbv

RT: 7.96 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

Tgt Ion: 130 Resp: 832846

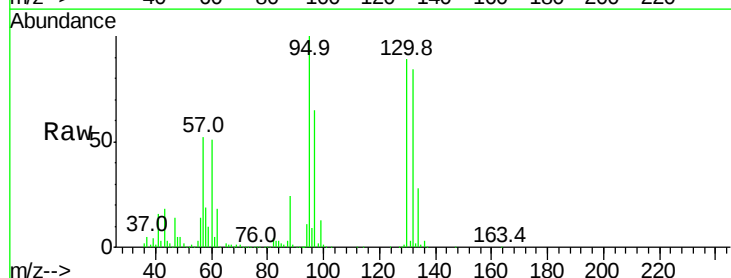
Ion Ratio Lower Upper

130 100

95 112.6 90.2 135.4

132 94.9 76.4 114.6

97 73.6 59.8 89.6

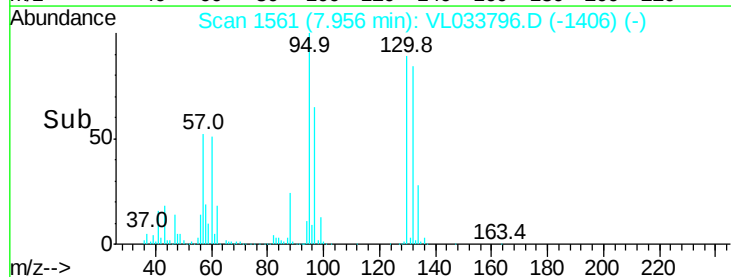
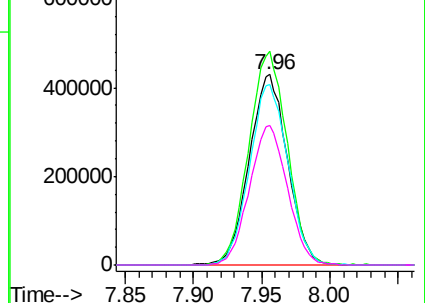


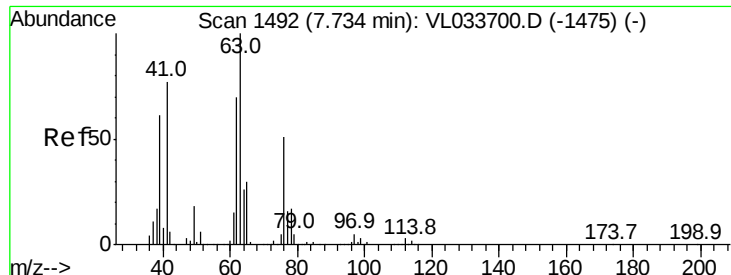
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 10.846 ppbv

RT: 7.73 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

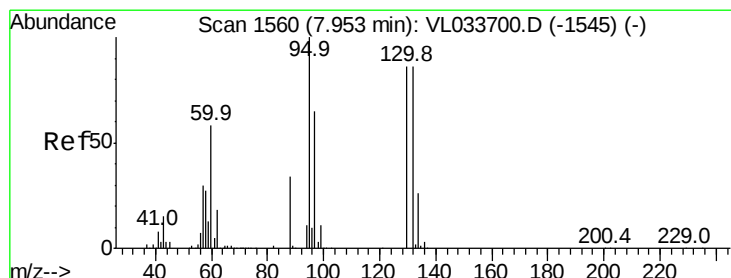
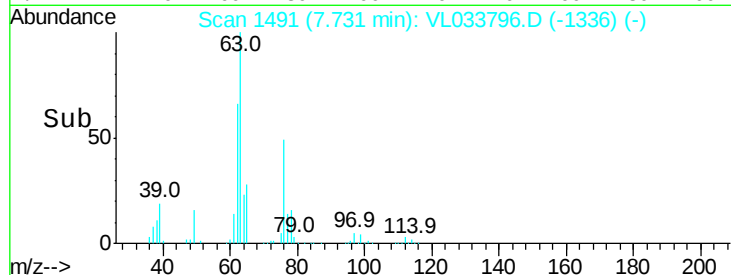
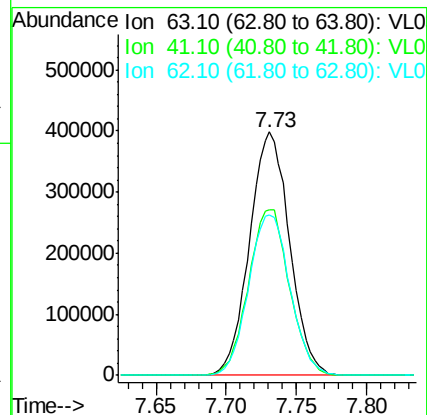
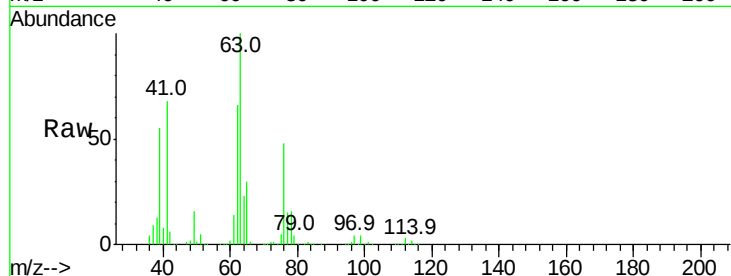
Tgt Ion: 63 Resp: 792037

Ion Ratio Lower Upper

63 100

41 67.7 61.5 92.3

62 66.0 56.2 84.4



#40

1,4-Dioxane

Concen: 11.028 ppbv

RT: 7.95 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

Tgt Ion: 88 Resp: 336899

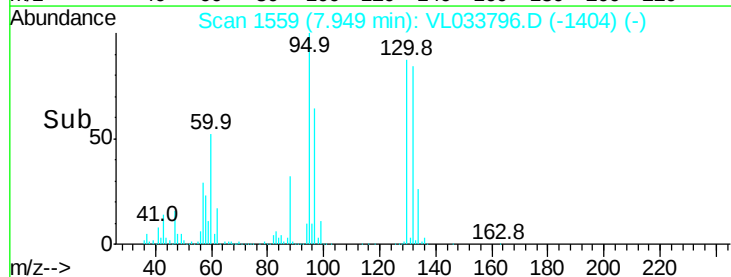
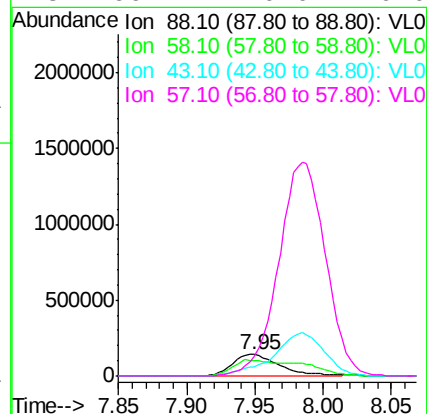
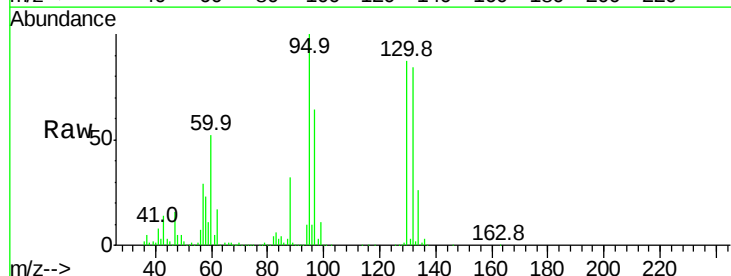
Ion Ratio Lower Upper

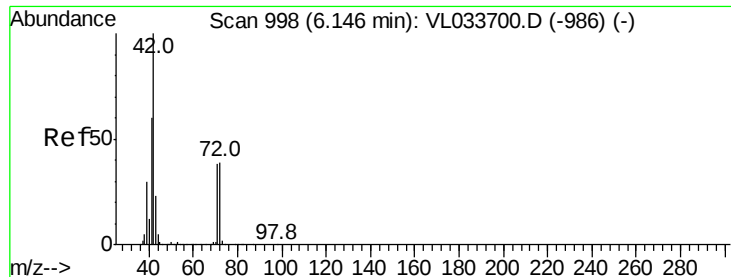
88 100

58 118.8 101.8 152.6

43 219.2 0.0 0.0#

57 997.7 0.0 0.0#





#41

Tetrahydrofuran

Concen: 11.371 ppbv

RT: 6.14 min Scan# 996

Delta R.T. -0.01 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

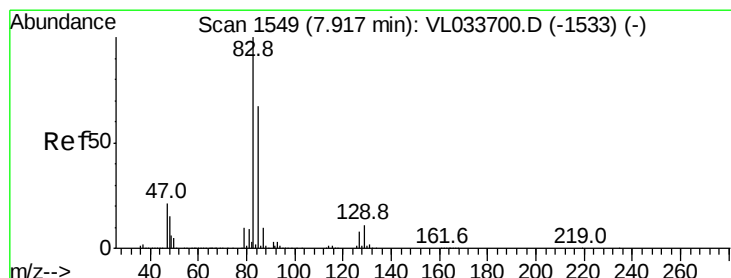
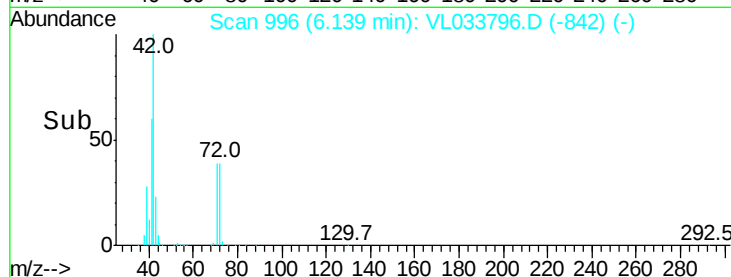
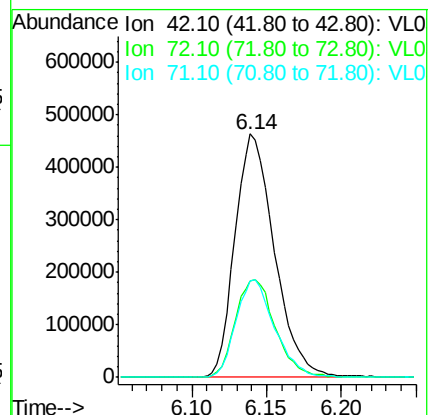
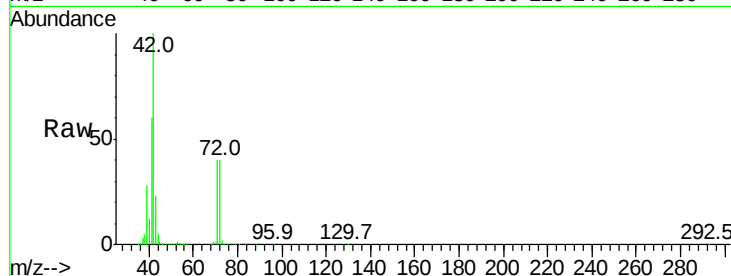
Tgt Ion: 42 Resp: 850359

Ion Ratio Lower Upper

42 100

72 40.8 32.0 48.0

71 39.6 30.4 45.6



#42

Bromodichloromethane

Concen: 10.140 ppbv

RT: 7.91 min Scan# 1547

Delta R.T. -0.01 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

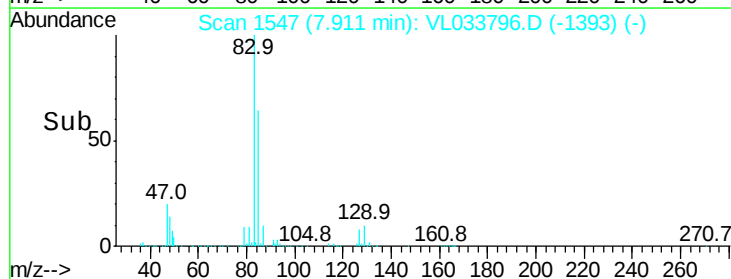
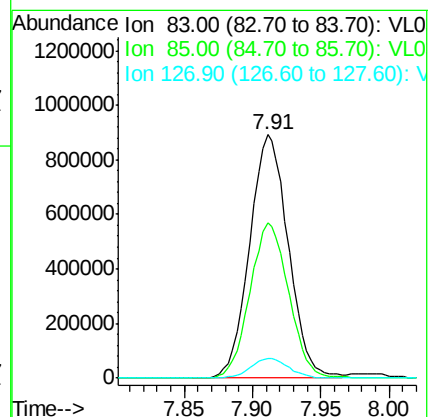
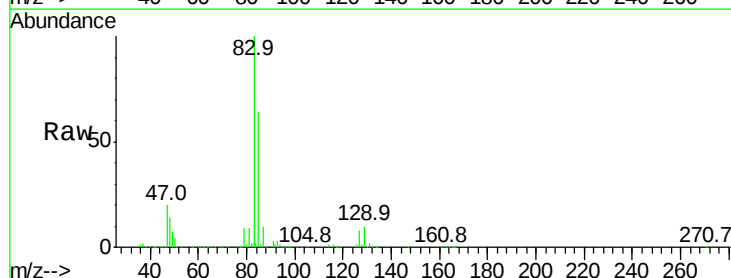
Tgt Ion: 83 Resp: 1753970

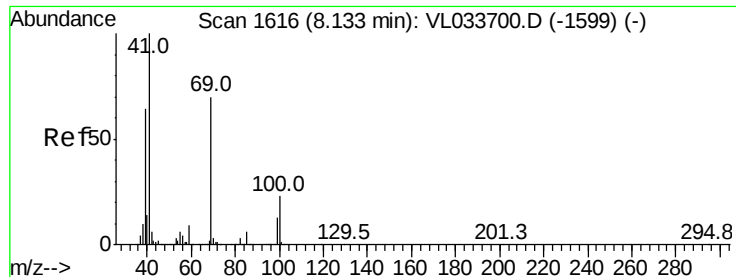
Ion Ratio Lower Upper

83 100

85 64.0 53.3 79.9

127 7.9 6.5 9.7

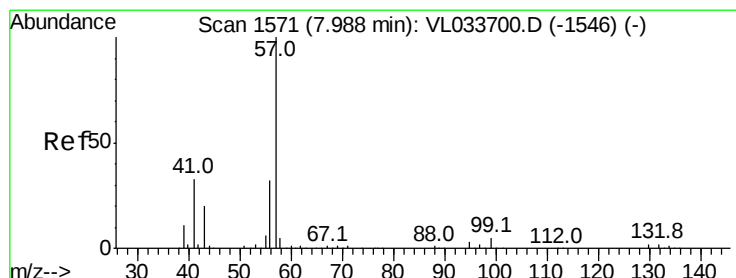
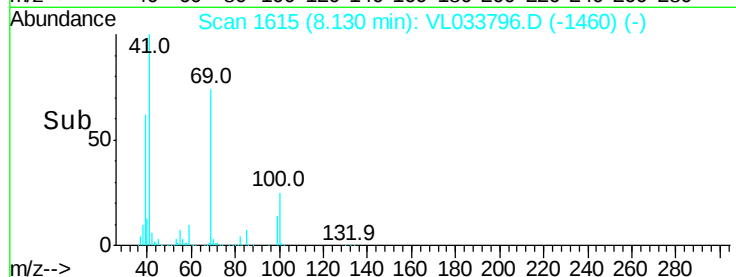
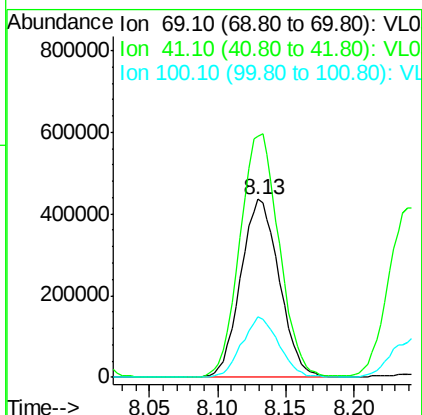
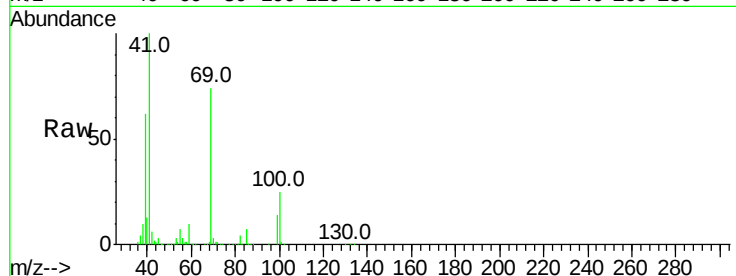




#43
Methyl Methacrylate
Concen: 11.869 ppbv
RT: 8.13 min Scan# 1615
Delta R.T. -0.00 min
Lab File: VL033796.D
Acq: 24 May 2019 9:28

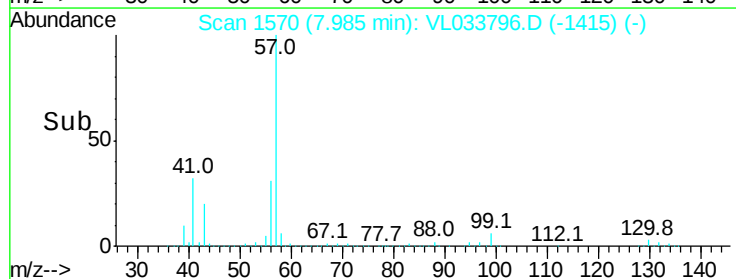
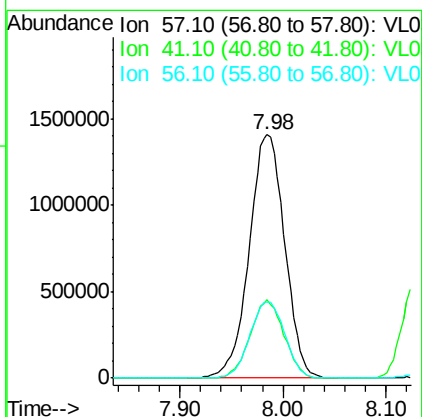
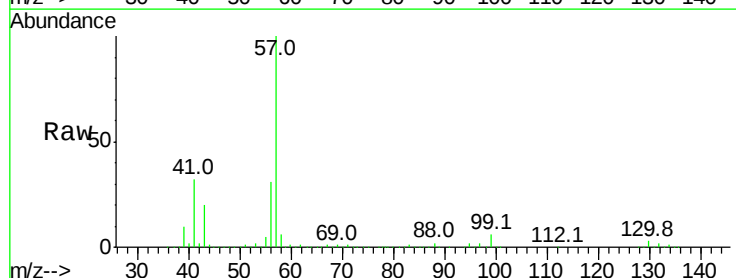
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

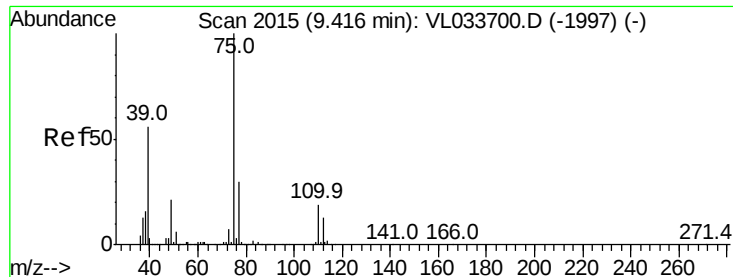
Tgt Ion: 69 Resp: 855557
Ion Ratio Lower Upper
69 100
41 139.4 116.3 174.5
100 32.6 25.3 37.9



#44
2,2,4-Trimethylpentane
Concen: 10.140 ppbv
RT: 7.98 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VL033796.D
Acq: 24 May 2019 9:28

Tgt Ion: 57 Resp: 3356895
Ion Ratio Lower Upper
57 100
41 30.8 25.4 38.0
56 31.0 24.7 37.1





#45

t-1,3-Dichloropropene

Concen: 12.261 ppbv

RT: 9.41 min Scan# 2014

Delta R.T. -0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

Instrument :

MSVOA_L

ClientSampleId :

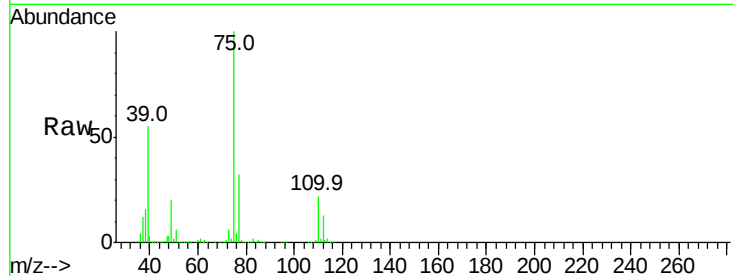
VSTDCCC010EC

Tgt Ion: 75 Resp: 1120450

Ion Ratio Lower Upper

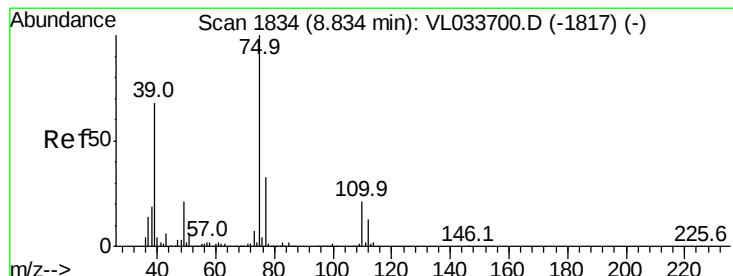
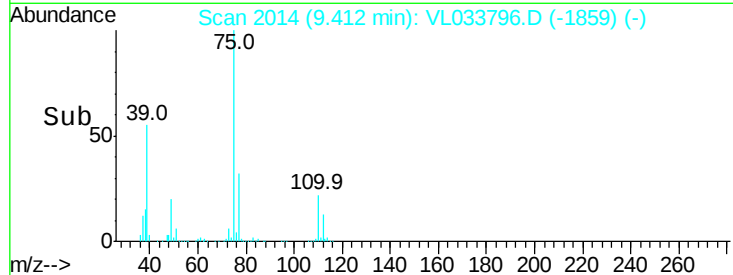
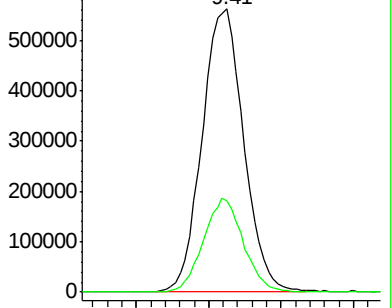
75 100

77 32.3 24.4 36.6



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 11.947 ppbv

RT: 8.83 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

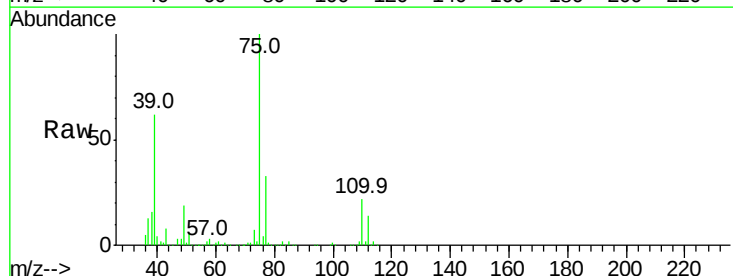
Tgt Ion: 75 Resp: 1278413

Ion Ratio Lower Upper

75 100

39 61.5 54.4 81.6

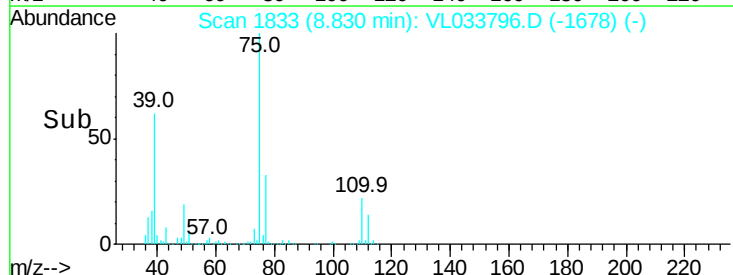
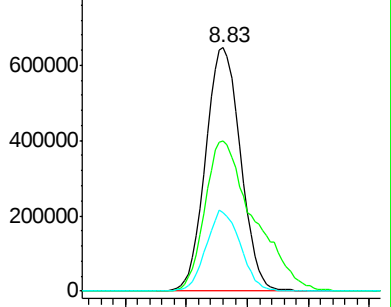
77 32.5 26.6 39.8

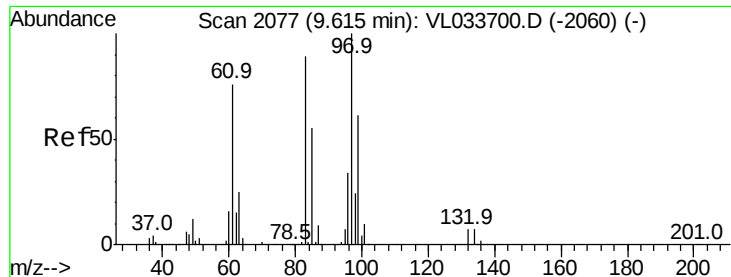


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

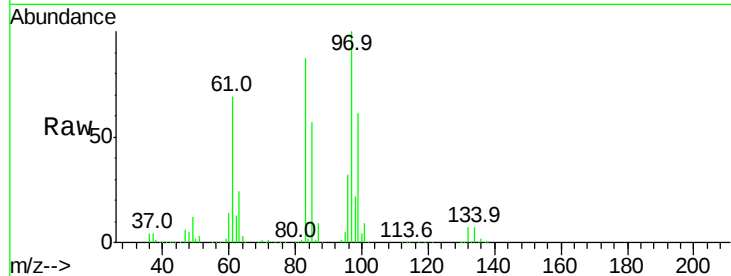




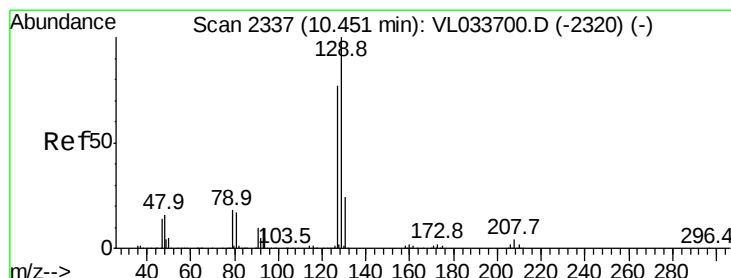
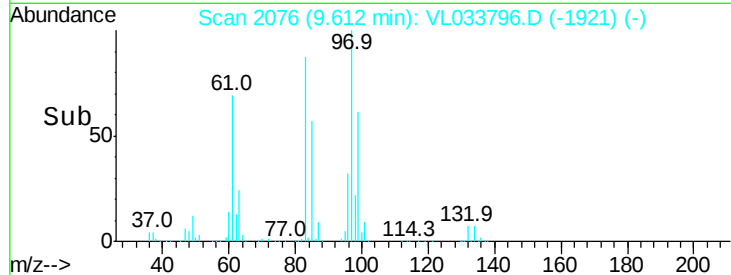
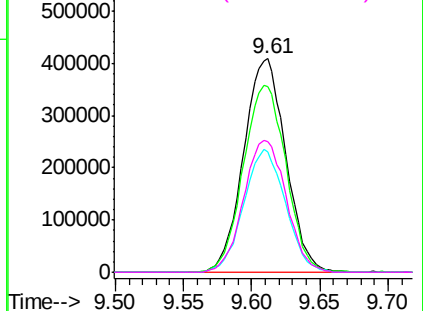
#47
 1,1,2-Trichloroethane
 Concen: 10.547 ppbv
 RT: 9.61 min Scan# 2076
 Delta R.T. -0.00 min
 Lab File: VL033796.D
 Acq: 24 May 2019 9:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 97 Resp: 874980
 Ion Ratio Lower Upper
 97 100
 83 87.0 70.8 106.2
 85 56.4 43.7 65.5
 99 61.2 48.7 73.1

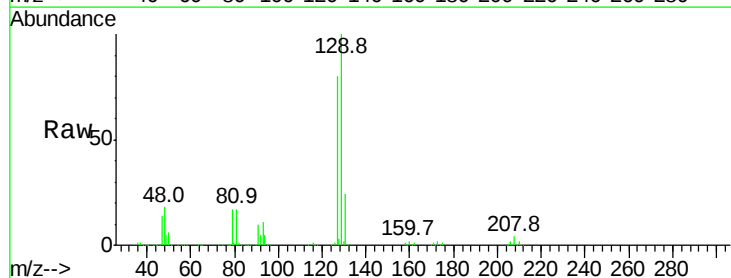


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

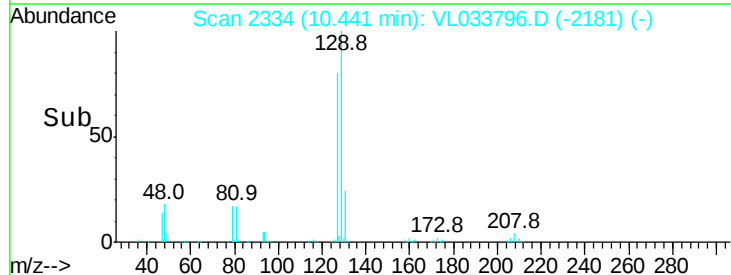
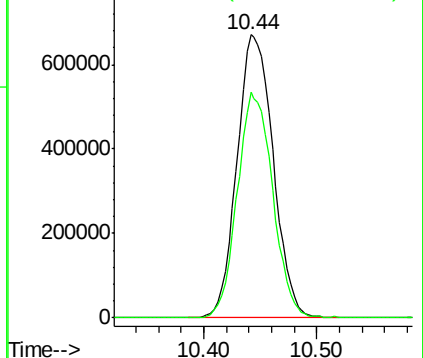


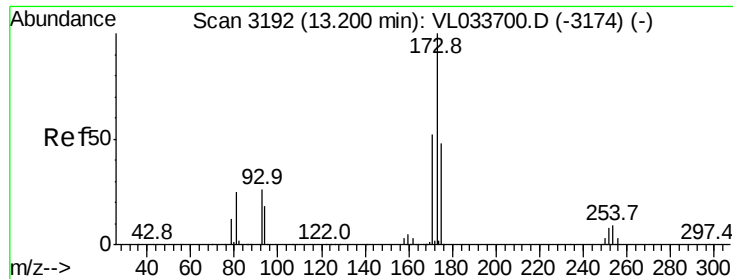
#48
 Dibromochloromethane
 Concen: 10.400 ppbv
 RT: 10.44 min Scan# 2334
 Delta R.T. -0.01 min
 Lab File: VL033796.D
 Acq: 24 May 2019 9:28

Tgt Ion: 129 Resp: 1494995
 Ion Ratio Lower Upper
 129 100
 127 77.9 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: 11.554 ppbv

RT: 13.20 min Scan# 3191

Delta R.T. -0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

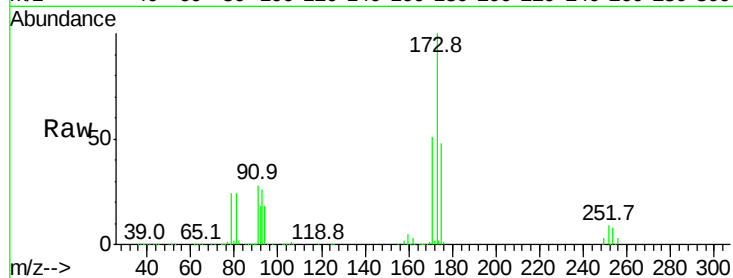
Tgt Ion:173 Resp: 1397438

Ion Ratio Lower Upper

173 100

175 48.6 38.6 58.0

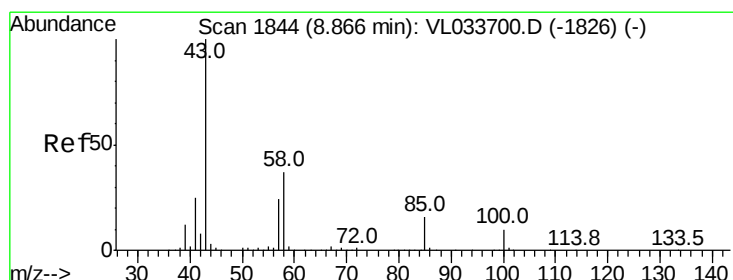
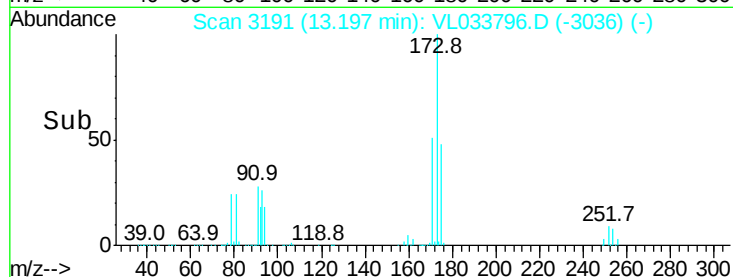
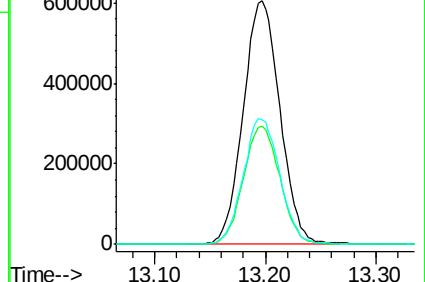
171 51.7 41.5 62.3



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: 10.719 ppbv

RT: 8.86 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VL033796.D

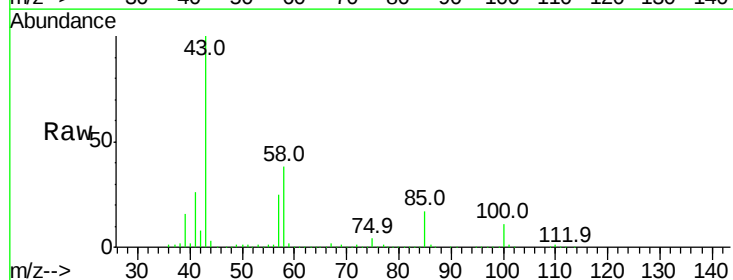
Acq: 24 May 2019 9:28

Tgt Ion: 43 Resp: 2200535

Ion Ratio Lower Upper

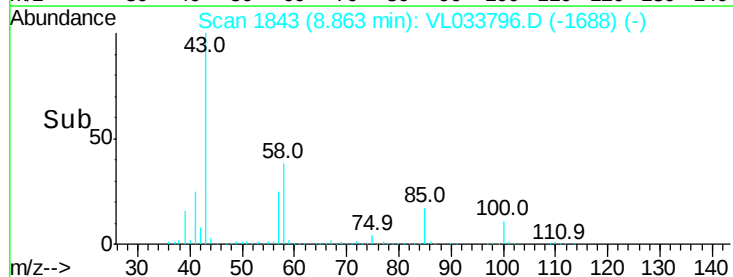
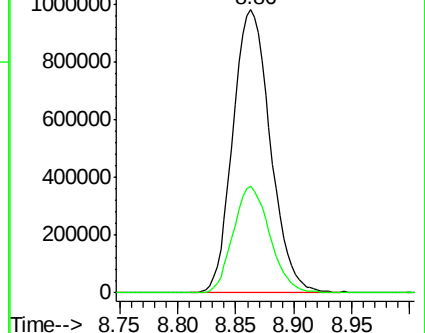
43 100

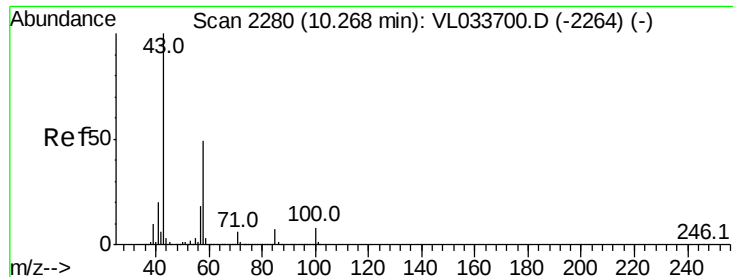
58 36.8 28.6 43.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

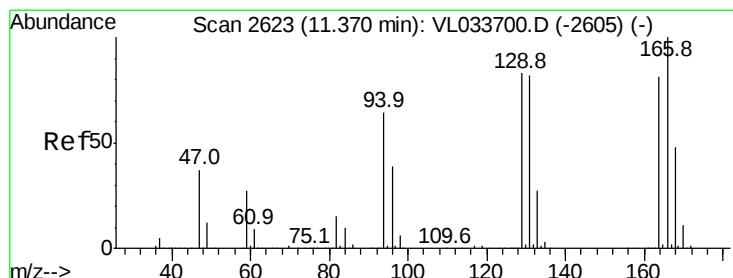
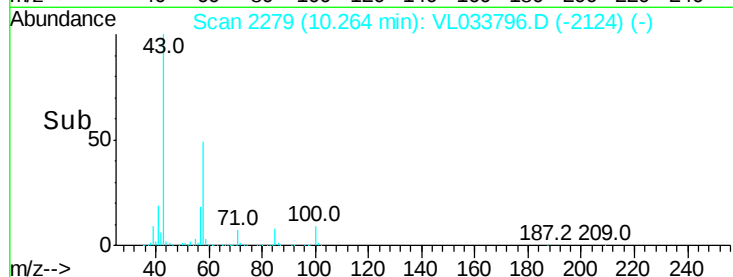
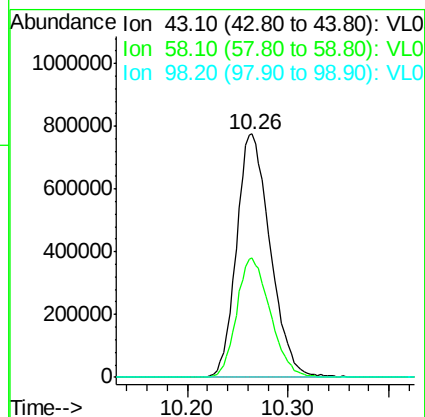
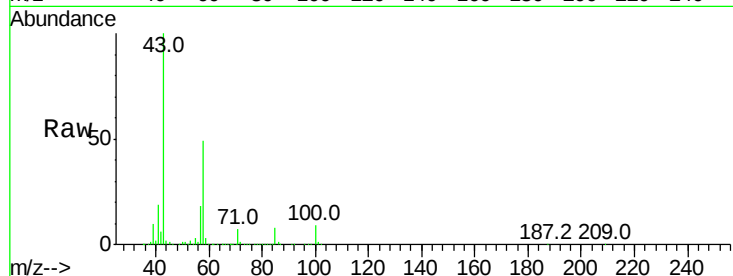




#51
2-Hexanone
Concen: 11.224 ppbv
RT: 10.26 min Scan# 2279
Delta R.T. -0.00 min
Lab File: VL033796.D
Acq: 24 May 2019 9:28

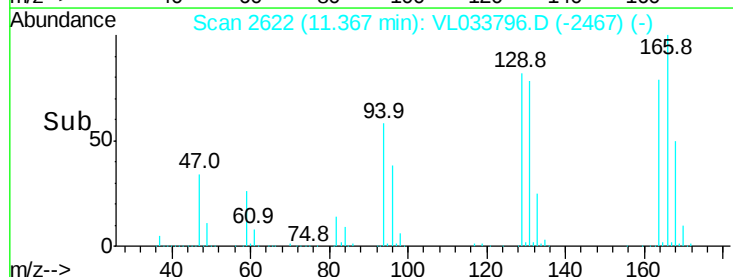
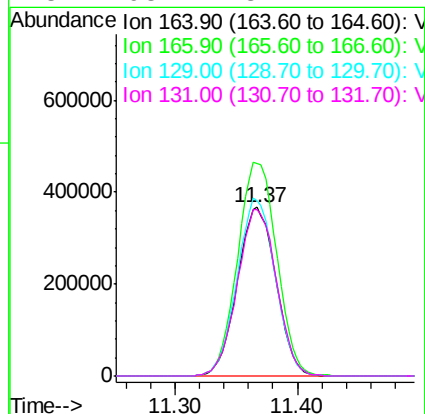
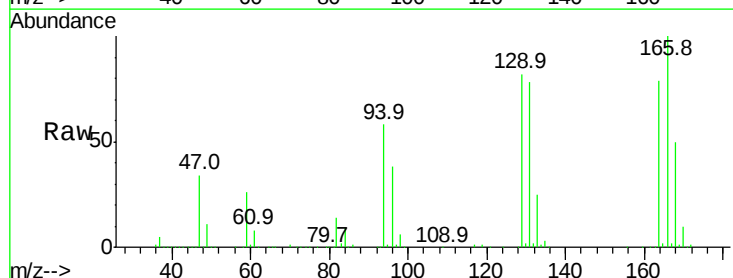
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

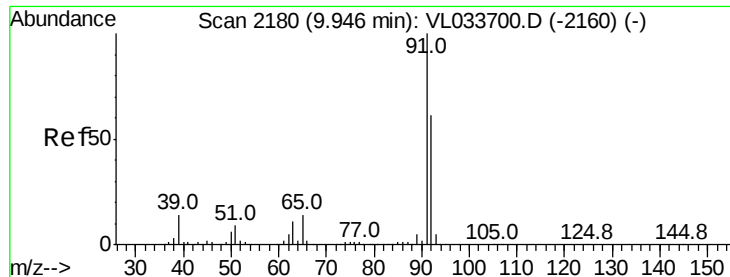
Tgt Ion: 43 Resp: 1798377
Ion Ratio Lower Upper
43 100
58 49.0 38.7 58.1
98 0.1 0.2 0.4#



#52
Tetrachloroethene
Concen: 11.661 ppbv
RT: 11.37 min Scan# 2622
Delta R.T. -0.00 min
Lab File: VL033796.D
Acq: 24 May 2019 9:28

Tgt Ion: 164 Resp: 802923
Ion Ratio Lower Upper
164 100
166 126.2 98.9 148.3
129 103.9 81.8 122.6
131 98.4 81.1 121.7





#53

Toluene

Concen: 11.594 ppbv

RT: 9.94 min Scan# 2178

Delta R.T. -0.01 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

Instrument :

MSVOA_L

ClientSampleId :

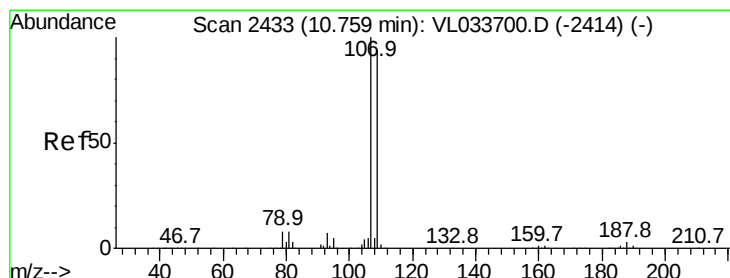
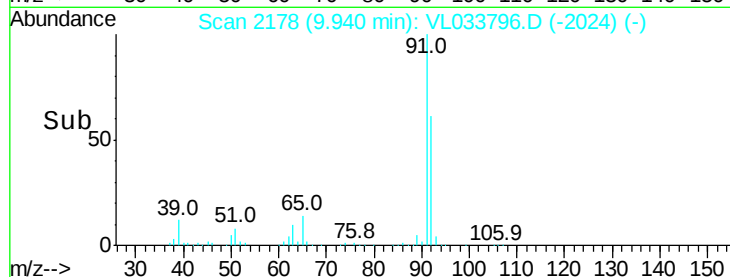
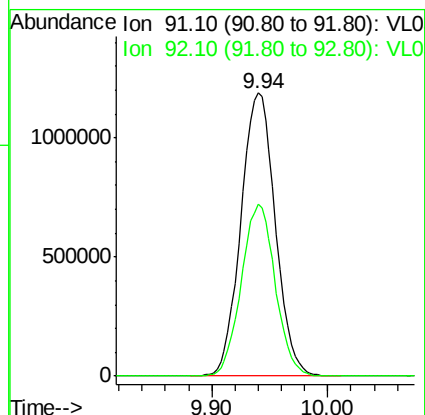
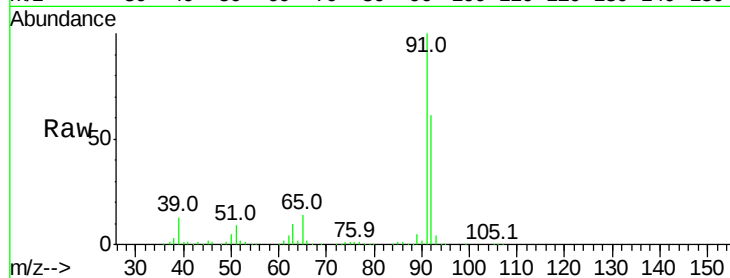
VSTDCCC010EC

Tgt Ion: 91 Resp: 2449379

Ion Ratio Lower Upper

91 100

92 59.9 47.6 71.4



#54

1,2-Dibromoethane

Concen: 10.974 ppbv

RT: 10.75 min Scan# 2431

Delta R.T. -0.01 min

Lab File: VL033796.D

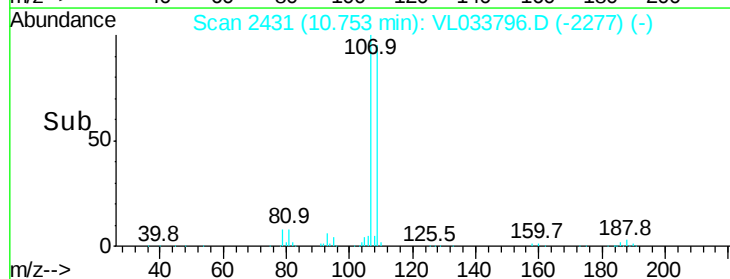
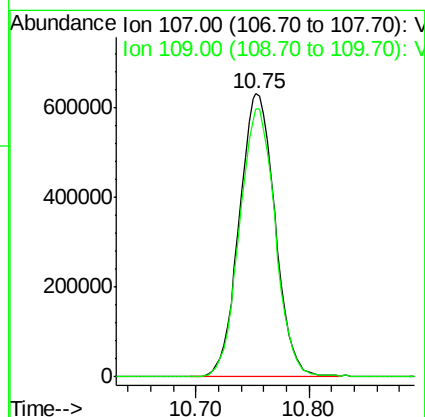
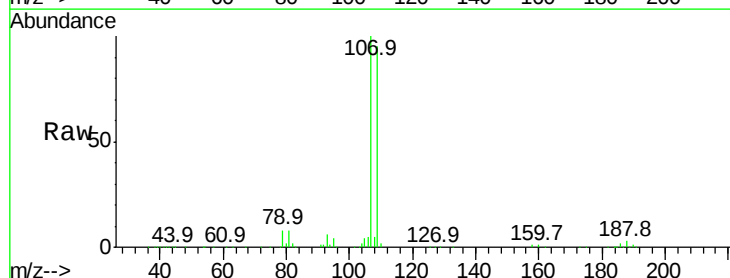
Acq: 24 May 2019 9:28

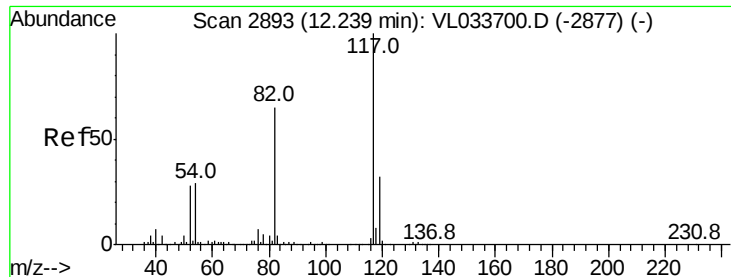
Tgt Ion: 107 Resp: 1389399

Ion Ratio Lower Upper

107 100

109 94.9 75.2 112.8





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.24 min Scan# 2892

Delta R.T. -0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

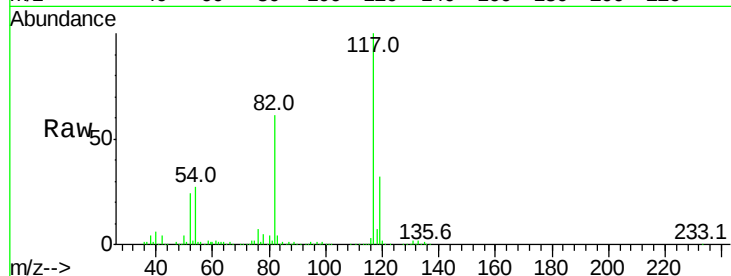
Tgt Ion:117 Resp: 2802740

Ion Ratio Lower Upper

117 100

82 49.9 49.4 74.0

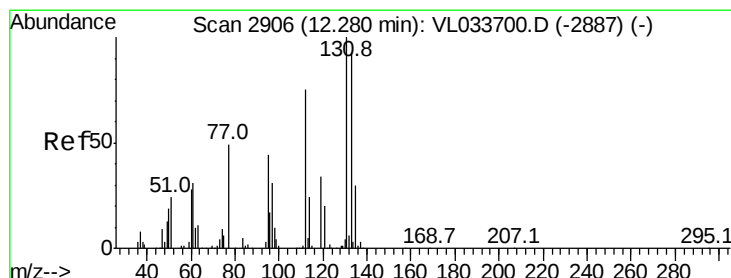
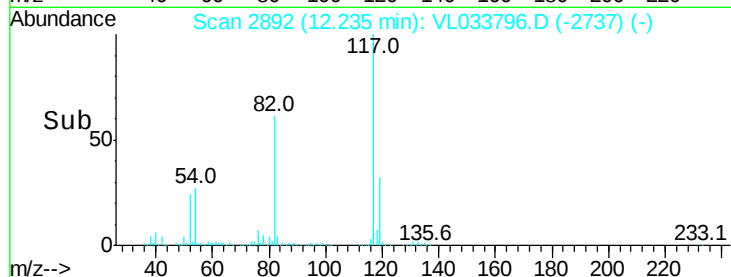
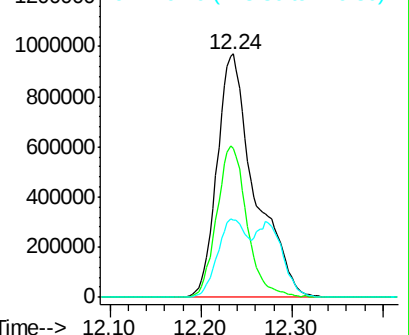
119 25.3 24.9 37.3



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 8.058 ppbv

RT: 12.27 min Scan# 2904

Delta R.T. -0.01 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

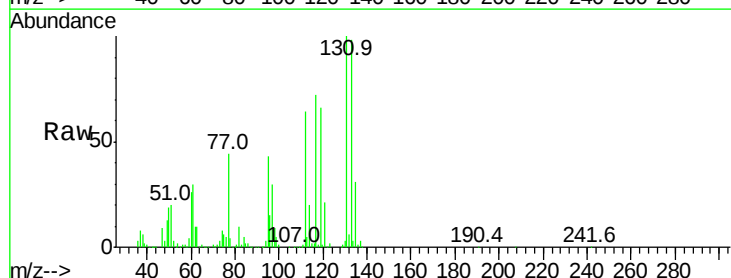
Tgt Ion:131 Resp: 1045056

Ion Ratio Lower Upper

131 100

133 95.8 76.6 114.8

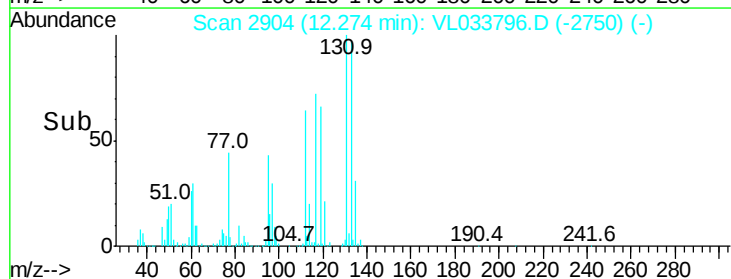
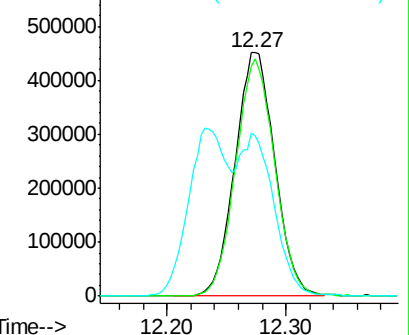
119 64.5 49.0 73.4

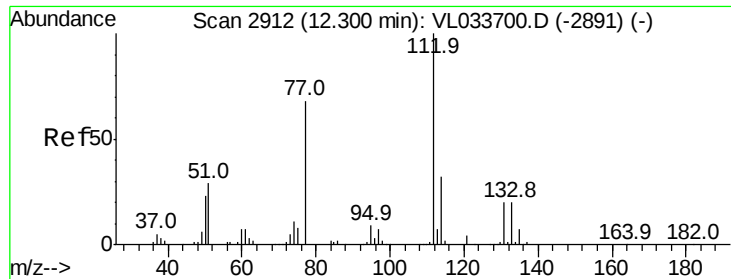


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

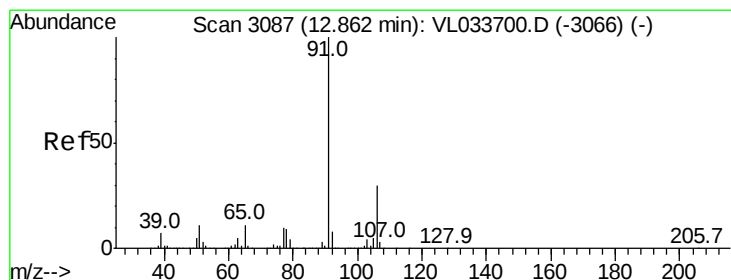
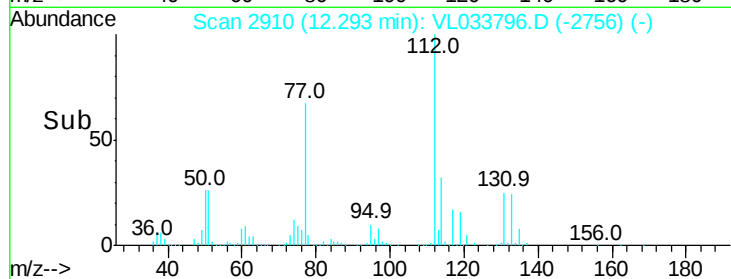
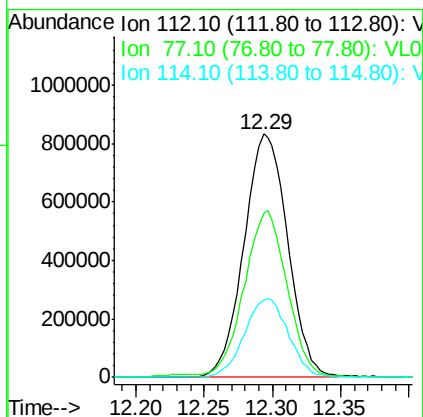
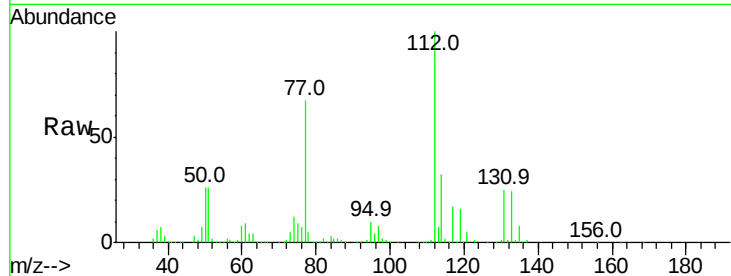




#57
Chlorobenzene
Concen: 8.031 ppbv
RT: 12.29 min Scan# 2910
Delta R.T. -0.01 min
Lab File: VL033796.D
Acq: 24 May 2019 9:28

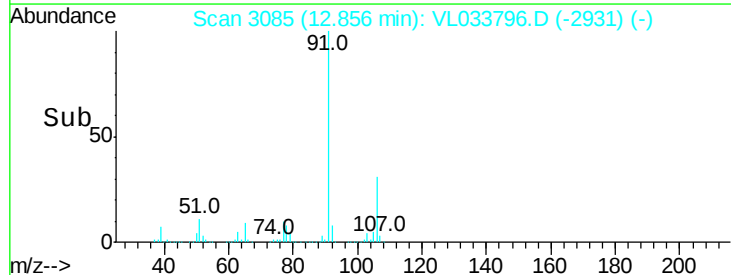
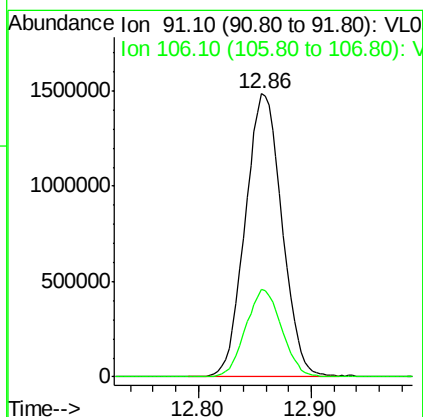
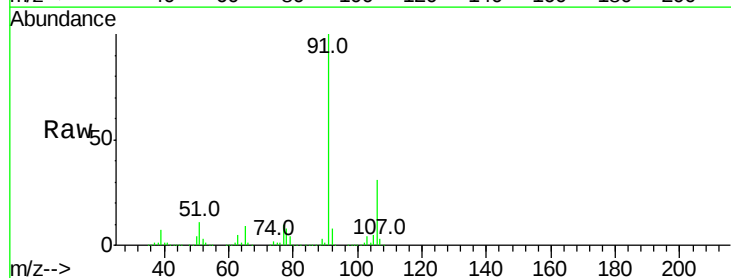
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

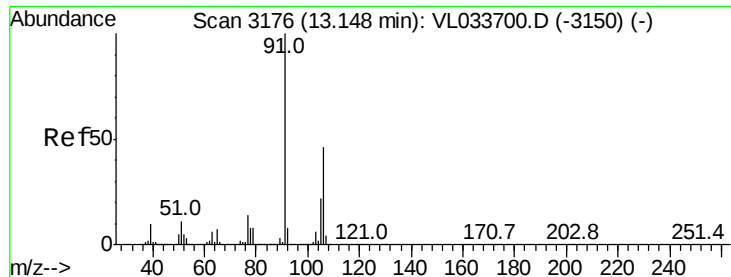
Tgt Ion: 112 Resp: 1852846
Ion Ratio Lower Upper
112 100
77 66.9 55.4 83.0
114 31.7 29.3 35.8



#58
Ethyl Benzene
Concen: 9.038 ppbv
RT: 12.86 min Scan# 3085
Delta R.T. -0.01 min
Lab File: VL033796.D
Acq: 24 May 2019 9:28

Tgt Ion: 91 Resp: 3354316
Ion Ratio Lower Upper
91 100
106 30.9 23.9 35.9

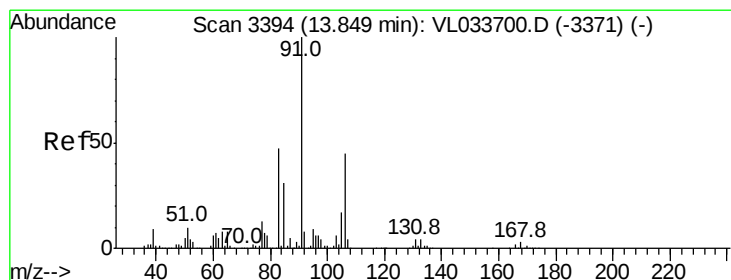
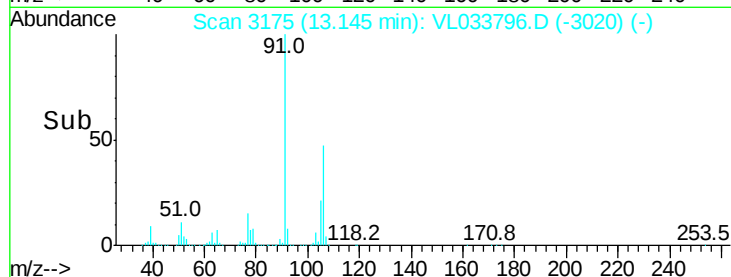
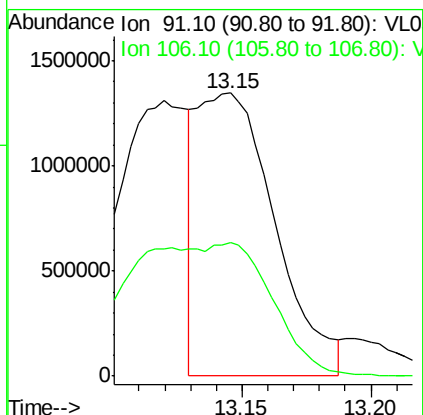
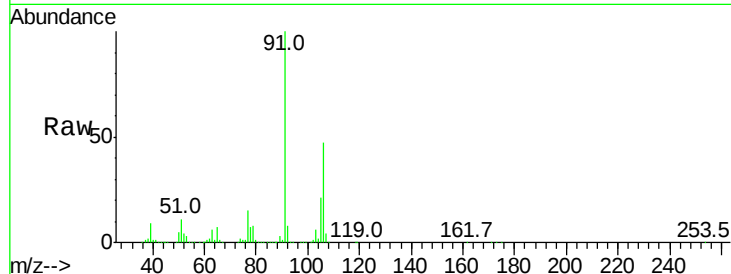




#59
m/p-Xylene
Concen: 8.610 ppbv
RT: 13.15 min Scan# 3175
Delta R.T. -0.00 min
Lab File: VL033796.D
Acq: 24 May 2019 9:28

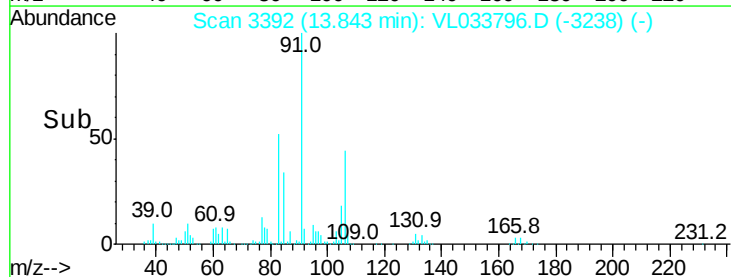
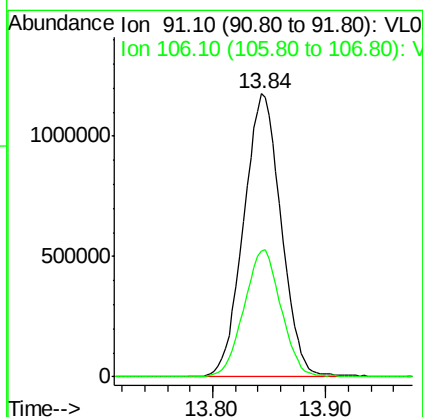
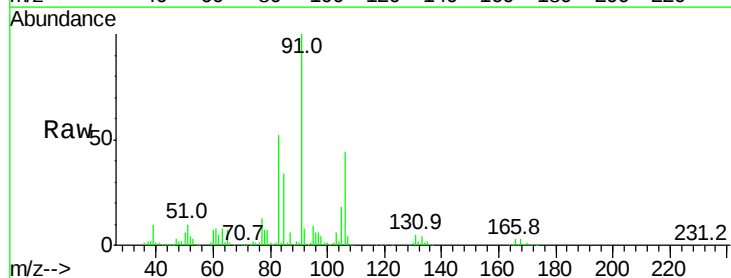
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

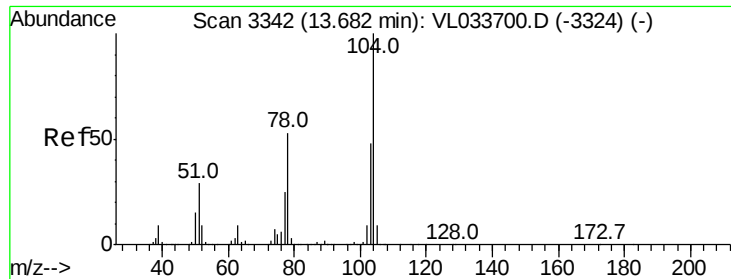
Tgt Ion: 91 Resp: 2793437
Ion Ratio Lower Upper
91 100
106 90.4 35.8 53.6#



#60
o-Xylene
Concen: 8.284 ppbv
RT: 13.84 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL033796.D
Acq: 24 May 2019 9:28

Tgt Ion: 91 Resp: 2709301
Ion Ratio Lower Upper
91 100
106 44.7 21.6 64.8

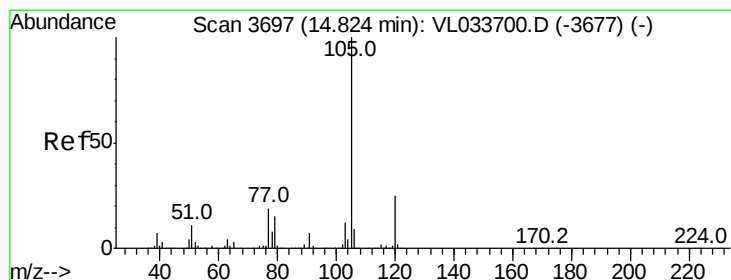
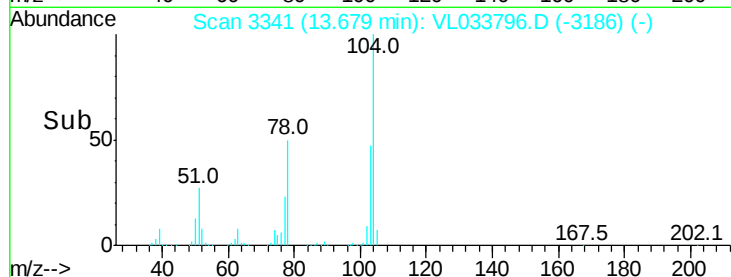
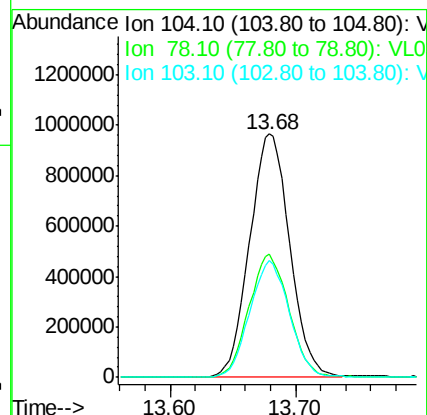
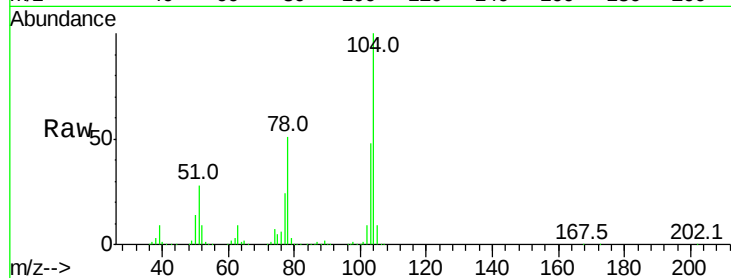




#61
Styrene
Concen: 9.771 ppbv
RT: 13.68 min Scan# 3341
Delta R.T. -0.00 min
Lab File: VL033796.D
Acq: 24 May 2019 9:28

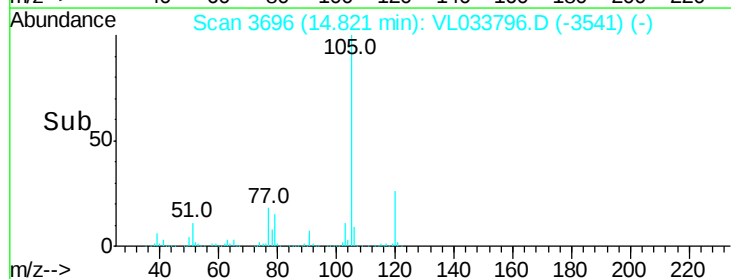
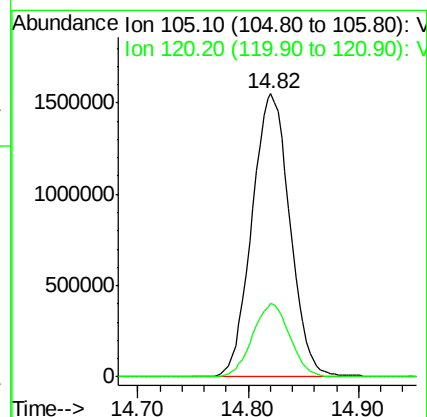
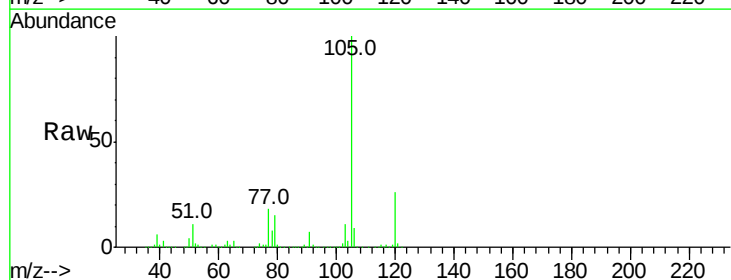
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

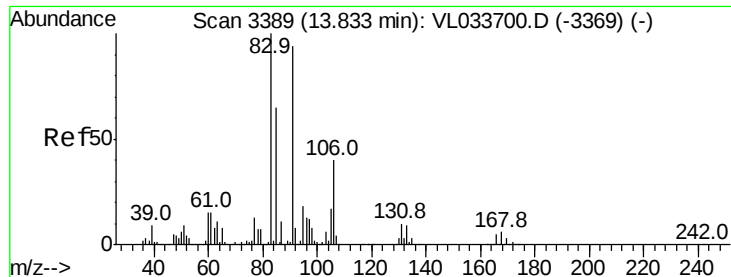
Tgt Ion:104 Resp: 2151549
Ion Ratio Lower Upper
104 100
78 50.8 42.6 64.0
103 47.5 37.8 56.6



#62
Isopropylbenzene
Concen: 8.394 ppbv
RT: 14.82 min Scan# 3696
Delta R.T. -0.00 min
Lab File: VL033796.D
Acq: 24 May 2019 9:28

Tgt Ion:105 Resp: 3697311
Ion Ratio Lower Upper
105 100
120 25.6 20.1 30.1





#63

1,1,2,2-Tetrachloroethane

Concen: 7.946 ppbv

RT: 13.83 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

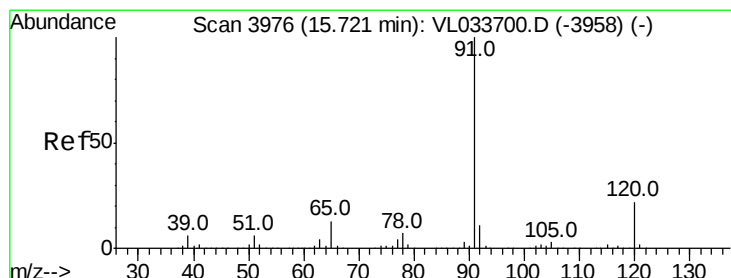
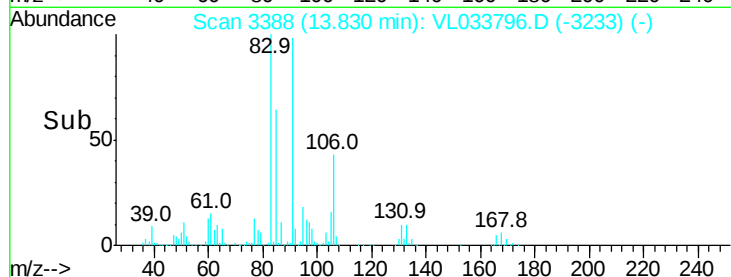
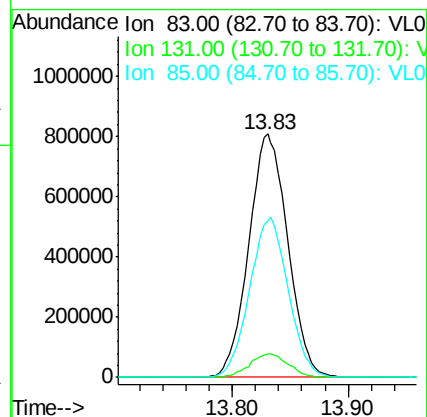
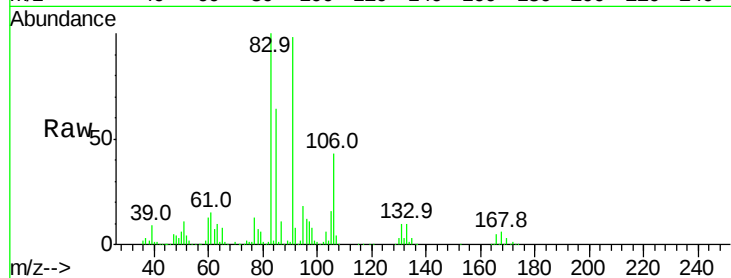
Tgt Ion: 83 Resp: 1890031

Ion Ratio Lower Upper

83 100

131 9.6 4.8 14.3

85 65.2 32.3 96.9



#64

n-propylbenzene

Concen: 8.643 ppbv

RT: 15.72 min Scan# 3975

Delta R.T. -0.00 min

Lab File: VL033796.D

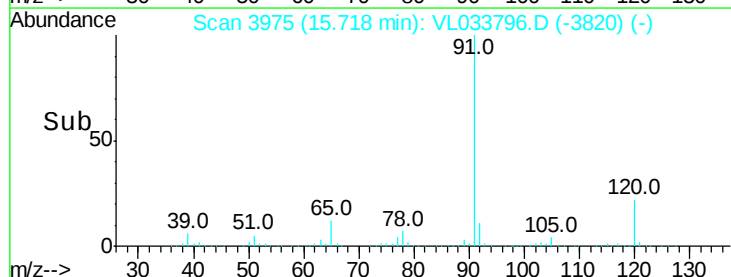
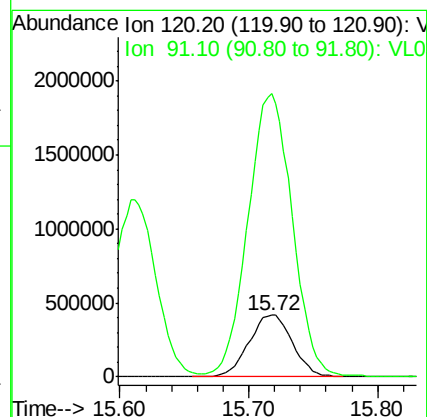
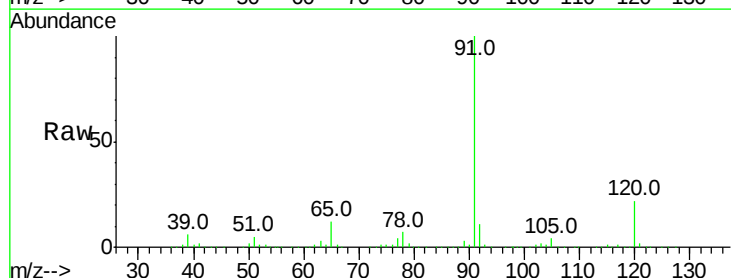
Acq: 24 May 2019 9:28

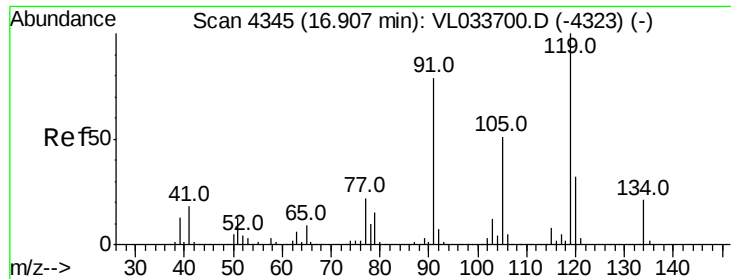
Tgt Ion: 120 Resp: 984764

Ion Ratio Lower Upper

120 100

91 466.6 379.1 568.7

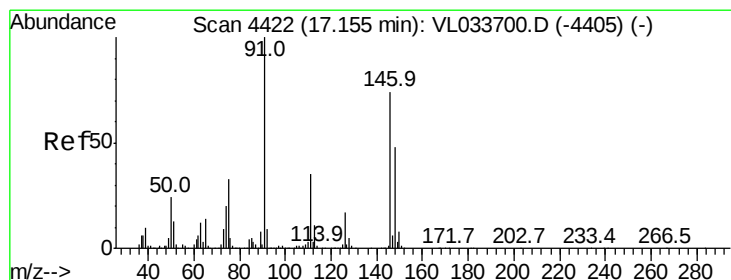
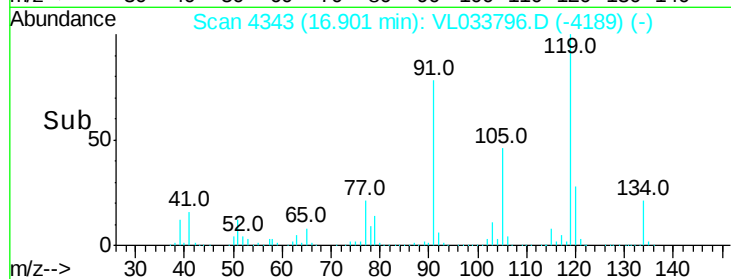
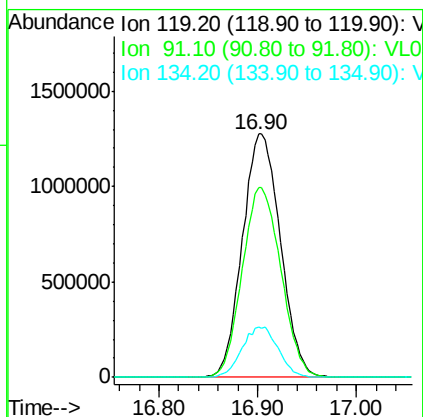
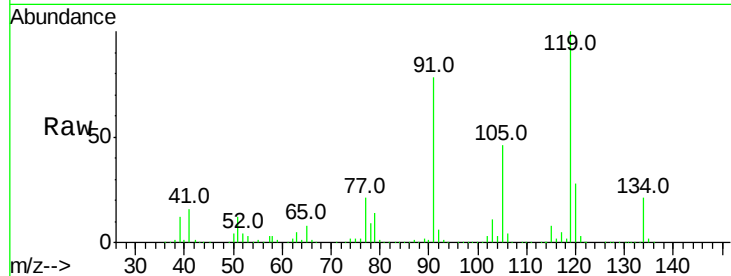




#65
 tert-Butylbenzene
 Concen: 8.443 ppbv
 RT: 16.90 min Scan# 4343
 Delta R.T. -0.01 min
 Lab File: VL033796.D
 Acq: 24 May 2019 9:28

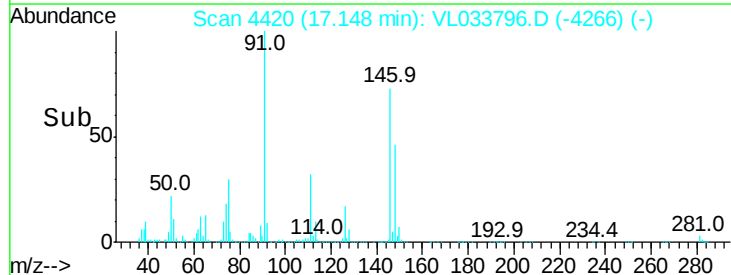
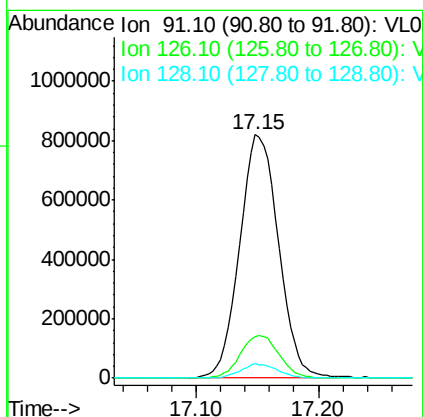
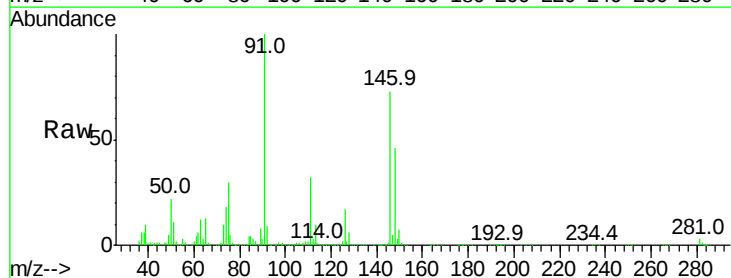
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

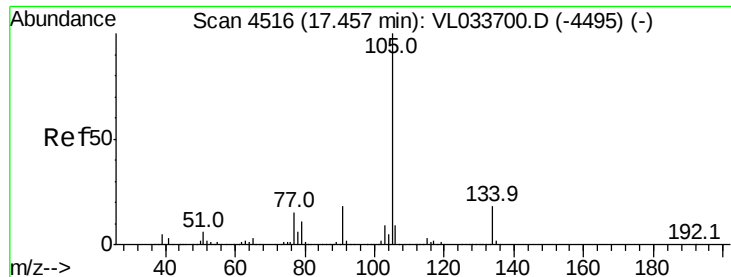
Tgt Ion: 119 Resp: 3395286
 Ion Ratio Lower Upper
 119 100
 91 79.5 65.3 97.9
 134 19.7 15.7 23.5



#66
 Benzyl Chloride
 Concen: 9.406 ppbv
 RT: 17.15 min Scan# 4420
 Delta R.T. -0.01 min
 Lab File: VL033796.D
 Acq: 24 May 2019 9:28

Tgt Ion: 91 Resp: 1801570
 Ion Ratio Lower Upper
 91 100
 126 17.6 13.5 20.3
 128 5.7 4.3 6.5

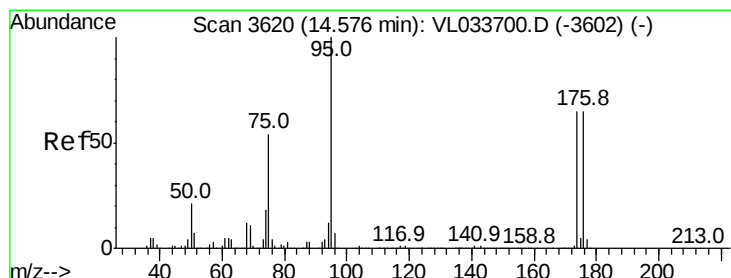
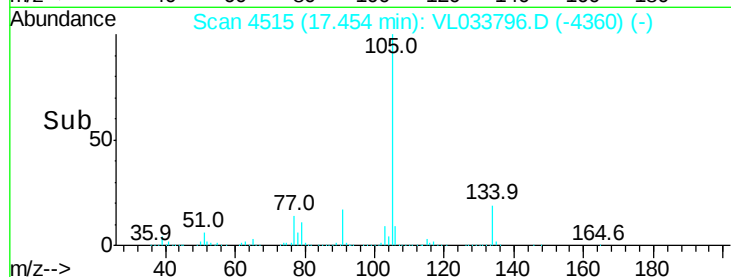
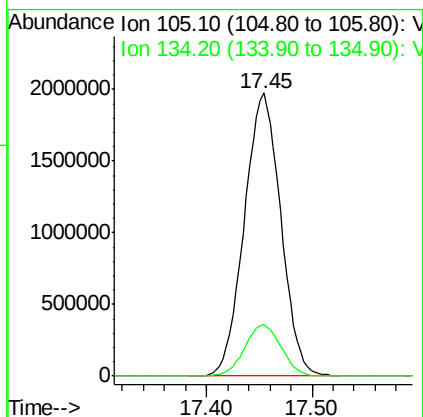
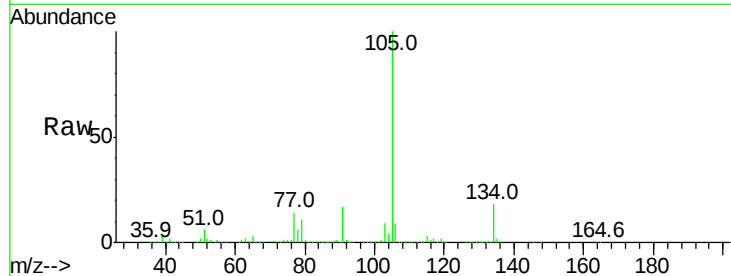




#67
 sec-Butylbenzene
 Concen: 8.437 ppbv
 RT: 17.45 min Scan# 4515
 Delta R.T. -0.00 min
 Lab File: VL033796.D
 Acq: 24 May 2019 9:28

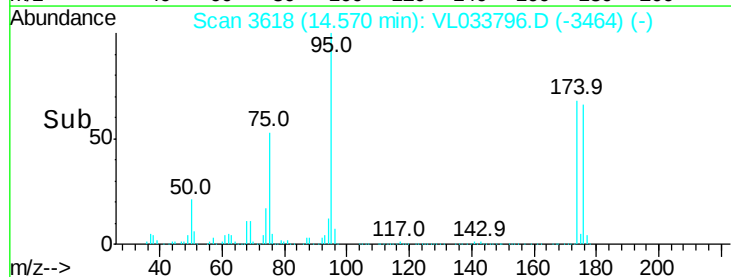
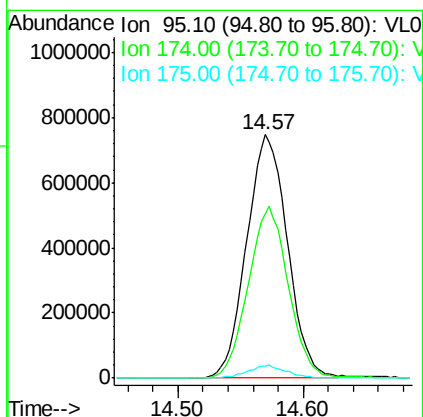
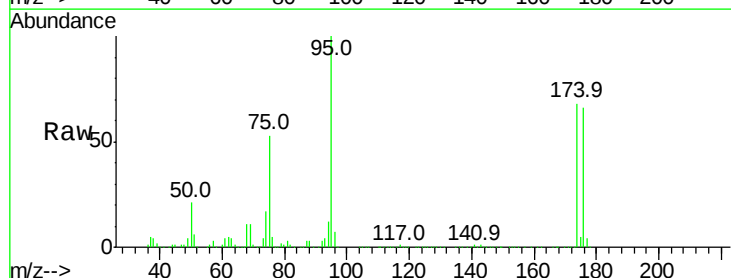
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

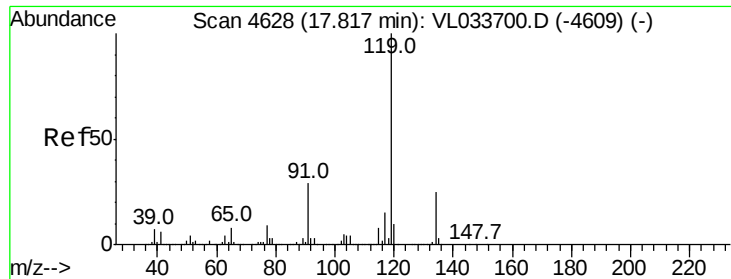
Tgt Ion: 105 Resp: 4748913
 Ion Ratio Lower Upper
 105 100
 134 18.3 14.6 22.0



#68
 1-Bromo-4-Fluorobenzene
 Concen: 7.440 ppbv
 RT: 14.57 min Scan# 3618
 Delta R.T. -0.01 min
 Lab File: VL033796.D
 Acq: 24 May 2019 9:28

Tgt Ion: 95 Resp: 1690471
 Ion Ratio Lower Upper
 95 100
 174 69.9 53.9 80.9
 175 5.1 3.8 5.8

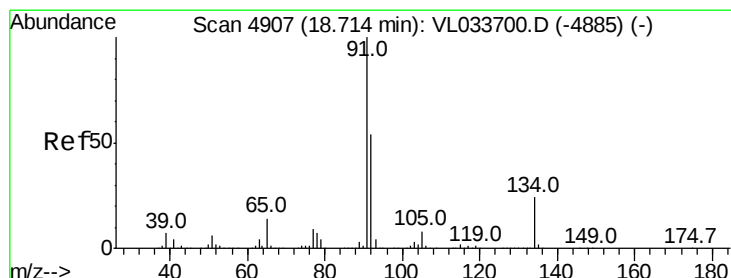
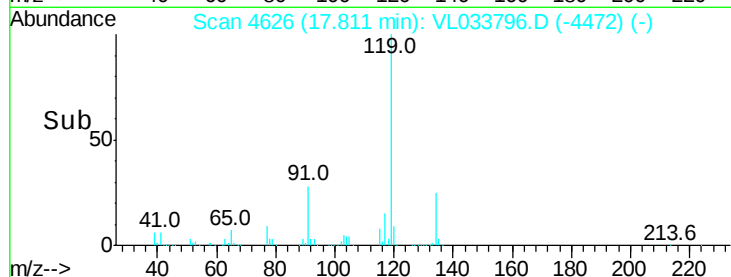
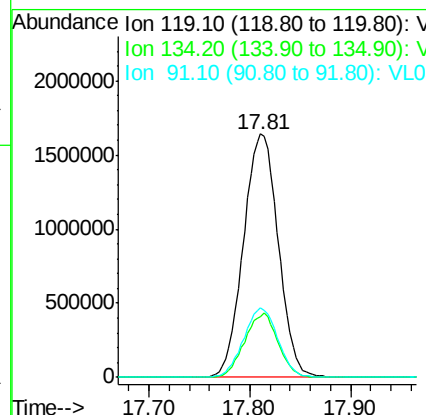
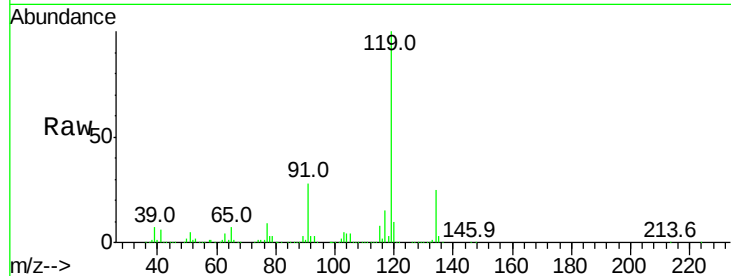




#69
 p-Isopropyltoluene
 Concen: 8.419 ppbv
 RT: 17.81 min Scan# 4626
 Delta R.T. -0.01 min
 Lab File: VL033796.D
 Acq: 24 May 2019 9:28

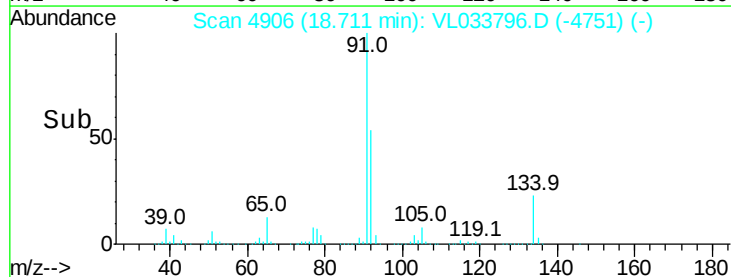
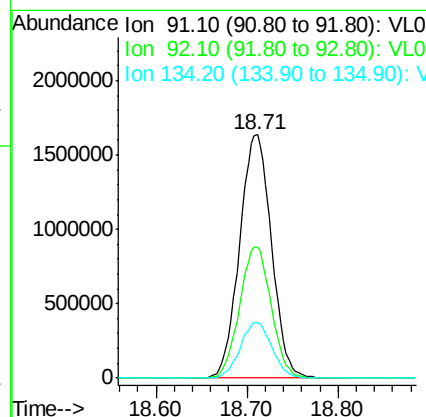
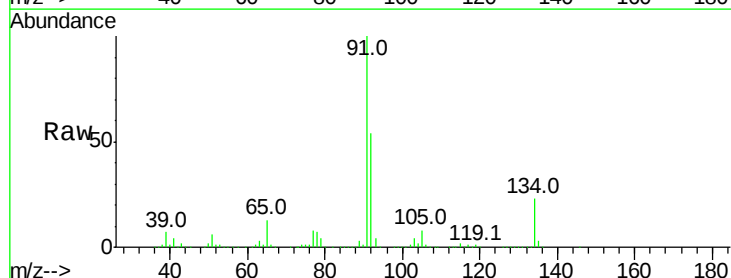
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

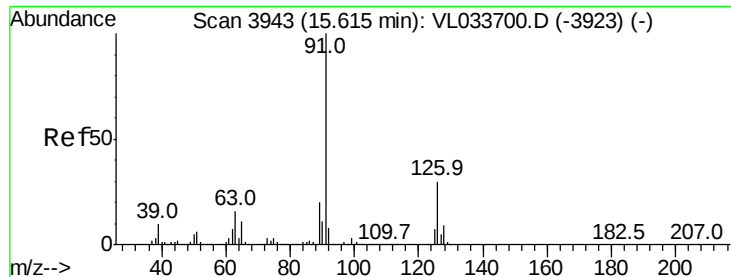
Tgt Ion: 119 Resp: 3916735
 Ion Ratio Lower Upper
 119 100
 134 25.3 20.3 30.5
 91 28.0 23.1 34.7



#70
 n-Butylbenzene
 Concen: 7.966 ppbv
 RT: 18.71 min Scan# 4906
 Delta R.T. -0.00 min
 Lab File: VL033796.D
 Acq: 24 May 2019 9:28

Tgt Ion: 91 Resp: 3973957
 Ion Ratio Lower Upper
 91 100
 92 53.5 42.6 63.8
 134 22.6 18.1 27.1





#71

2-Chlorotoluene

Concen: 8.540 ppbv

RT: 15.61 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

Instrument :

MSVOA_L

ClientSampleId :

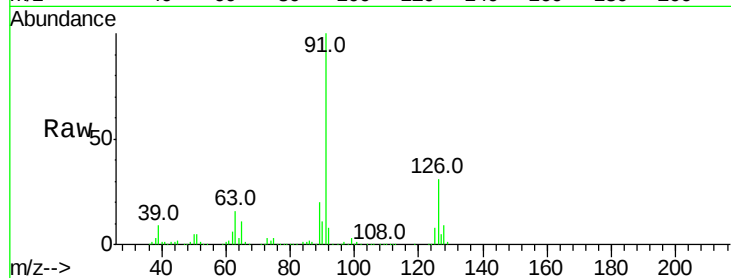
VSTDCCC010EC

Tgt Ion: 91 Resp: 2790858

Ion Ratio Lower Upper

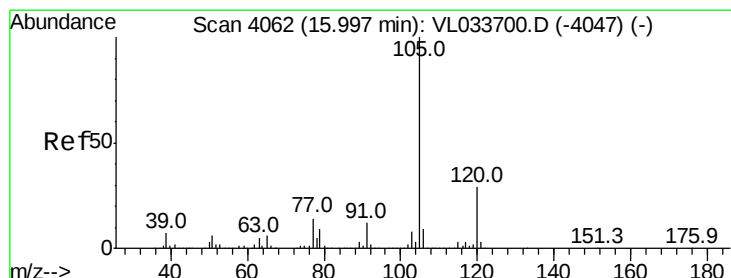
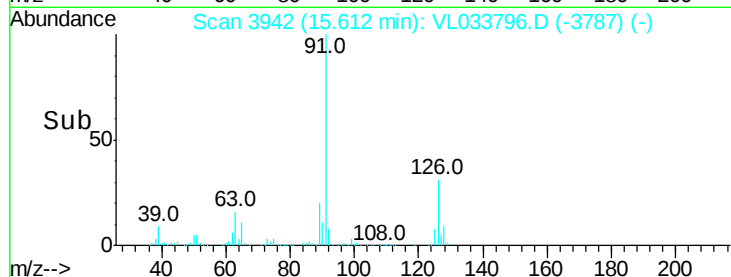
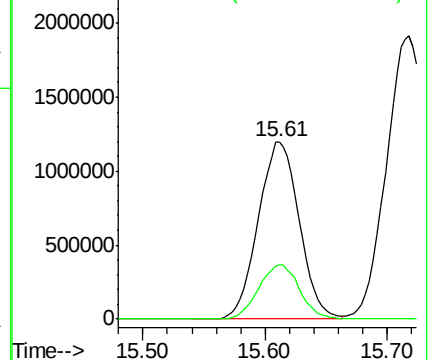
91 100

126 30.7 12.0 47.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 8.835 ppbv

RT: 16.00 min Scan# 4062

Delta R.T. 0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

Tgt Ion:105 Resp: 3304023

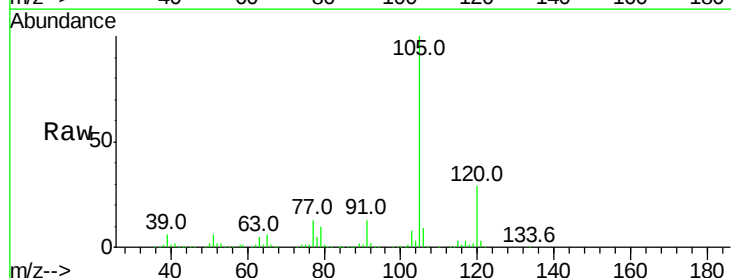
Ion Ratio Lower Upper

105 100

120 29.3 23.1 34.7

91 12.5 10.4 15.6

77 13.1 11.0 16.6

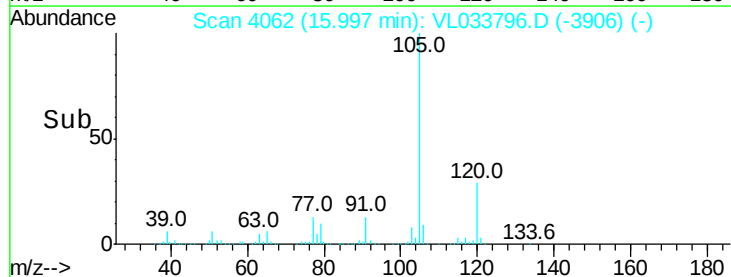
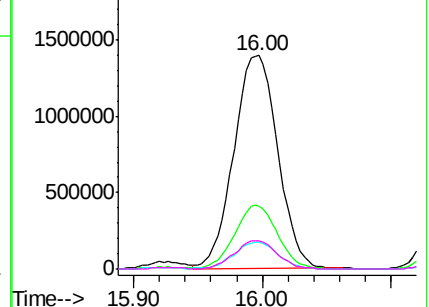


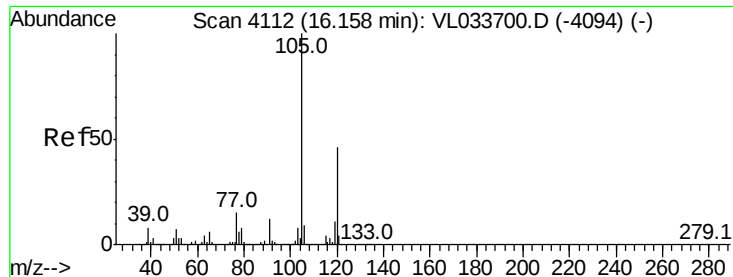
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 8.402 ppbv

RT: 16.15 min Scan# 4111

Delta R.T. -0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

Instrument :

MSVOA_L

ClientSampleId :

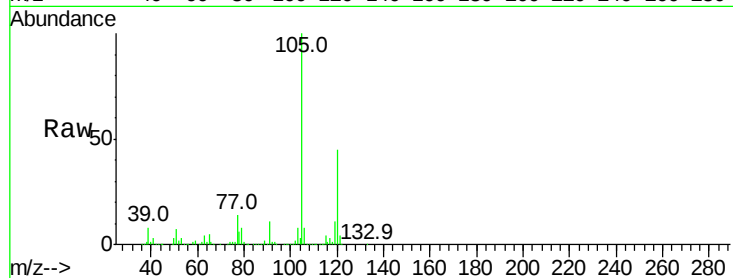
VSTDCCC010EC

Tgt Ion:105 Resp: 3065570

Ion Ratio Lower Upper

105 100

120 45.3 37.0 55.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.15

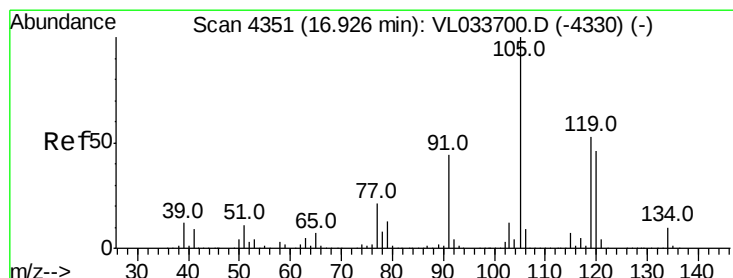
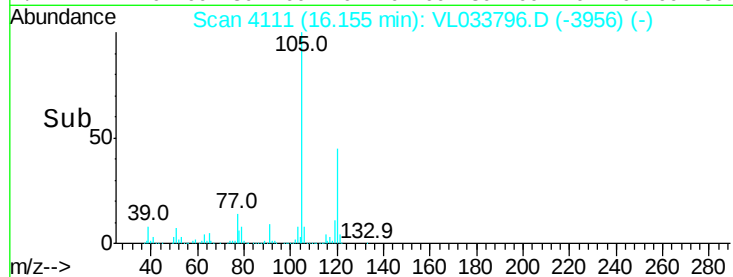
1500000

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 8.040 ppbv

RT: 16.92 min Scan# 4350

Delta R.T. -0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

Tgt Ion:105 Resp: 3192690

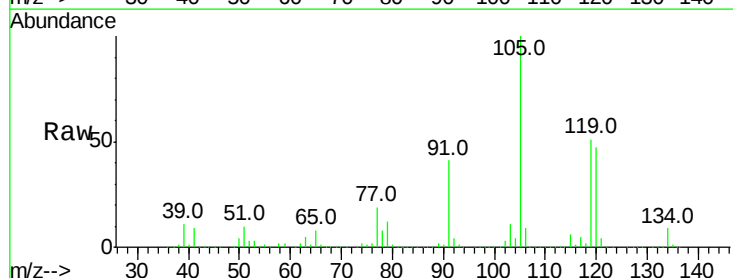
Ion Ratio Lower Upper

105 100

120 46.9 36.8 55.2

91 41.0 35.4 53.0

77 19.4 16.8 25.2



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

2000000

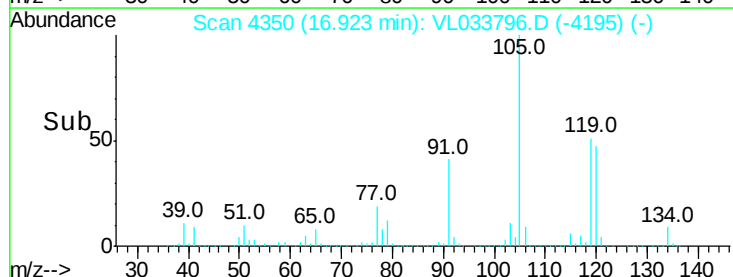
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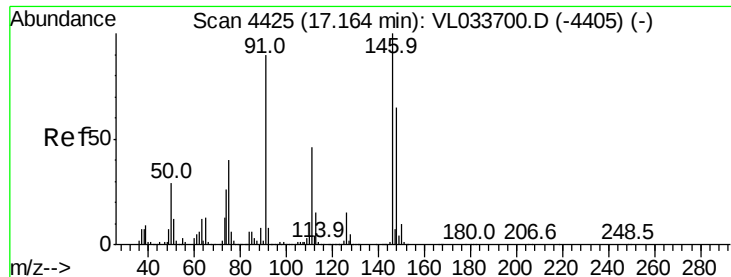
1000000

500000

0

Time-->





#75

1,3-Dichlorobenzene

Concen: 7.718 ppbv

RT: 17.16 min Scan# 4424

Delta R.T. -0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

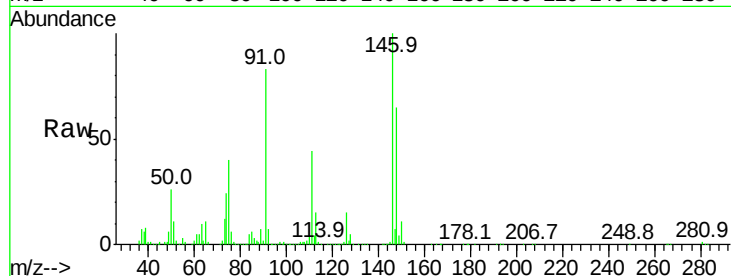
Tgt Ion:146 Resp: 1878081

Ion Ratio Lower Upper

146 100

111 44.1 22.9 68.8

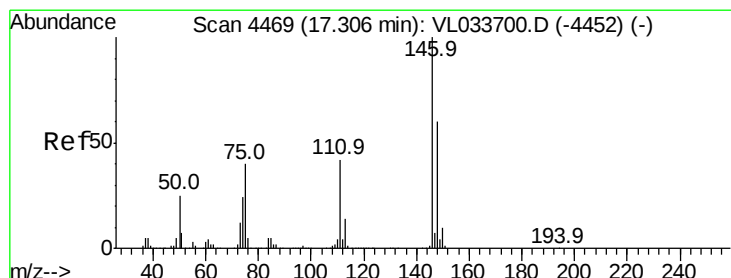
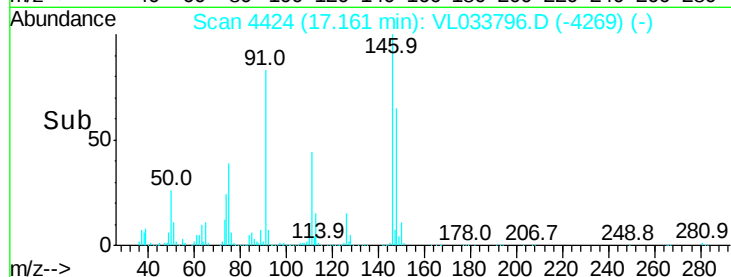
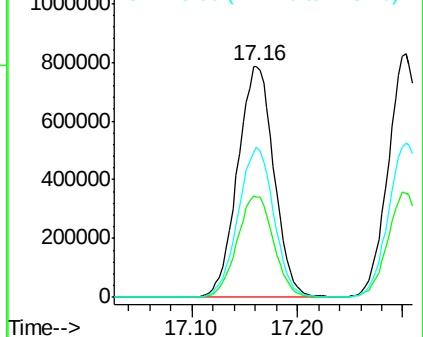
148 64.1 32.0 96.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 8.102 ppbv

RT: 17.30 min Scan# 4468

Delta R.T. -0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

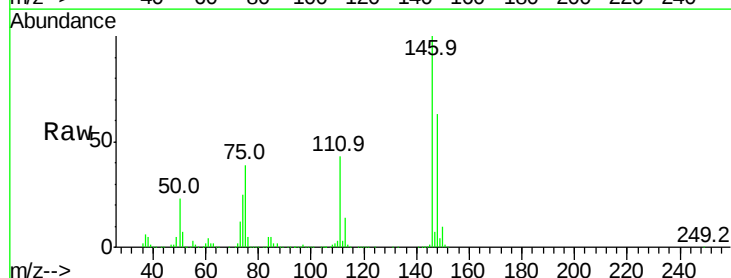
Tgt Ion:146 Resp: 1873669

Ion Ratio Lower Upper

146 100

111 43.8 21.9 65.8

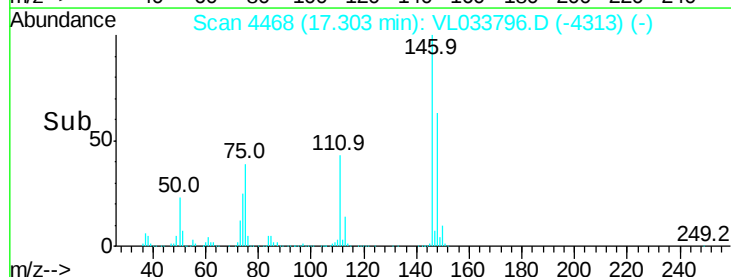
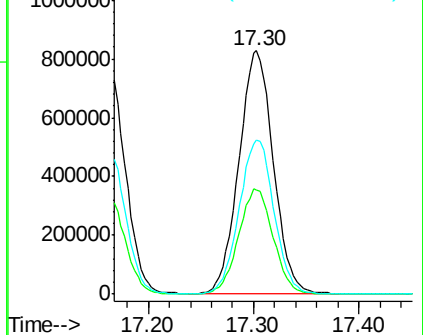
148 64.8 32.1 96.3

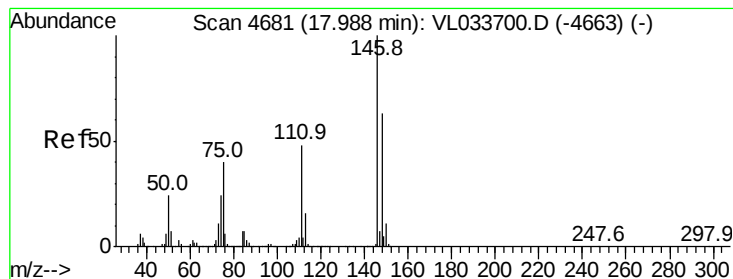


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.898 ppbv

RT: 17.98 min Scan# 4680

Delta R.T. -0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

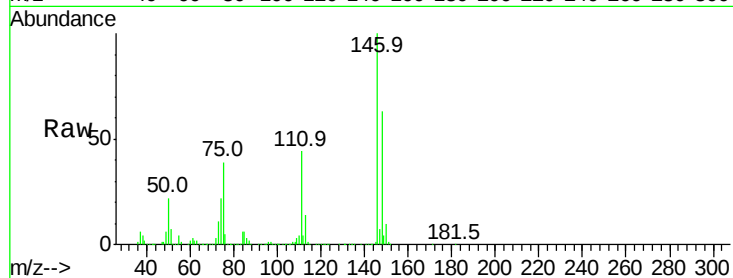
Tgt Ion:146 Resp: 1805785

Ion Ratio Lower Upper

146 100

111 46.1 23.5 70.5

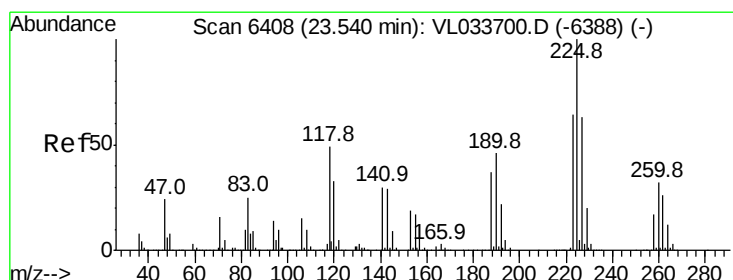
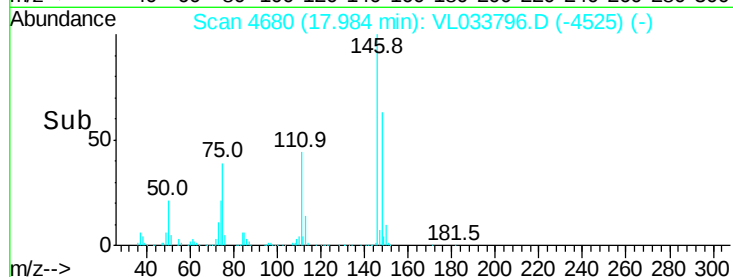
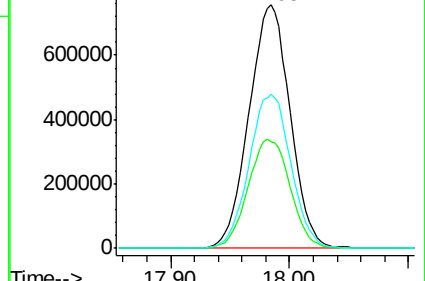
148 64.6 32.1 96.3



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



#78

Hexachloro-1,3-Butadiene

Concen: 7.501 ppbv

RT: 23.54 min Scan# 6407

Delta R.T. -0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

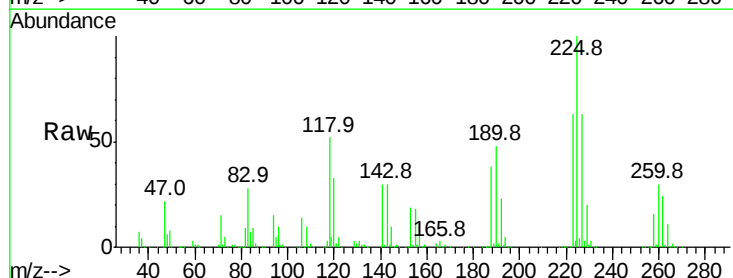
Tgt Ion:225 Resp: 1296640

Ion Ratio Lower Upper

225 100

223 63.7 50.2 75.4

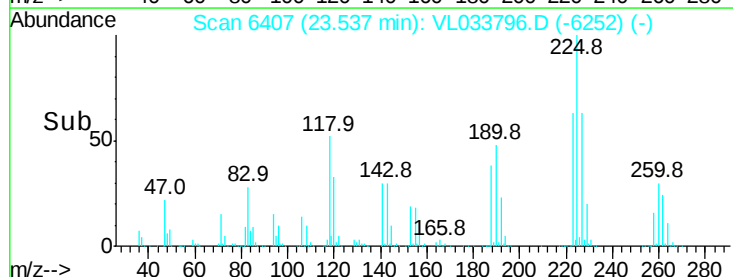
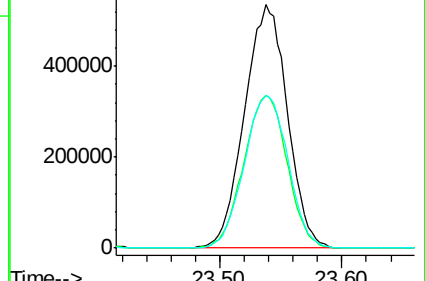
227 64.2 50.7 76.1

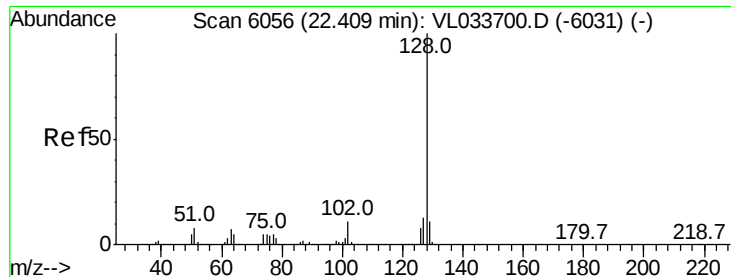


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 7.589 ppbv

RT: 22.41 min Scan# 6055

Delta R.T. -0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

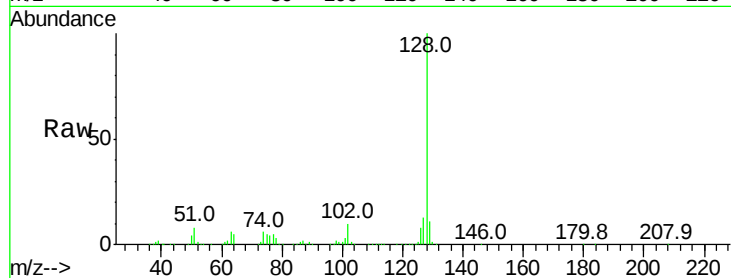
Tgt Ion:128 Resp: 2799105

Ion Ratio Lower Upper

128 100

127 12.8 10.6 16.0

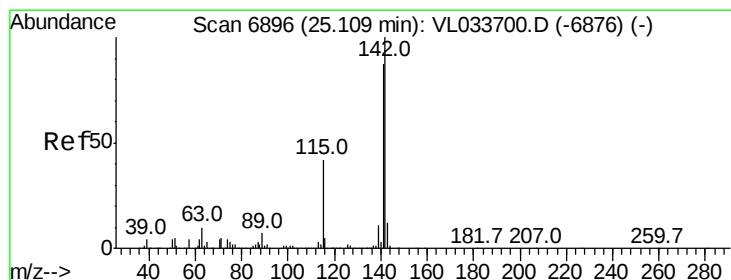
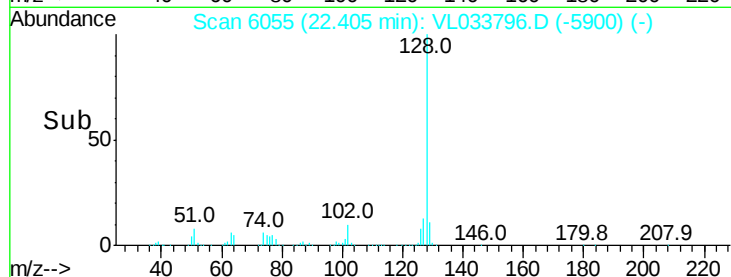
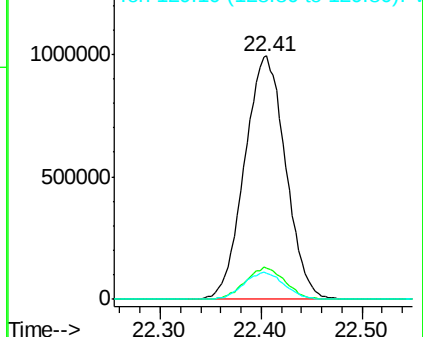
129 10.5 8.9 13.3



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: 9.387 ppbv

RT: 25.11 min Scan# 6895

Delta R.T. -0.00 min

Lab File: VL033796.D

Acq: 24 May 2019 9:28

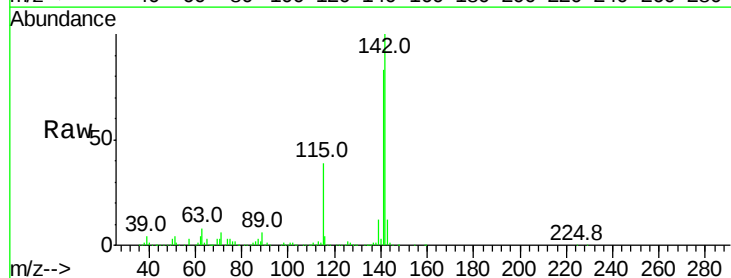
Tgt Ion:142 Resp: 1315443

Ion Ratio Lower Upper

142 100

141 83.4 67.2 100.8

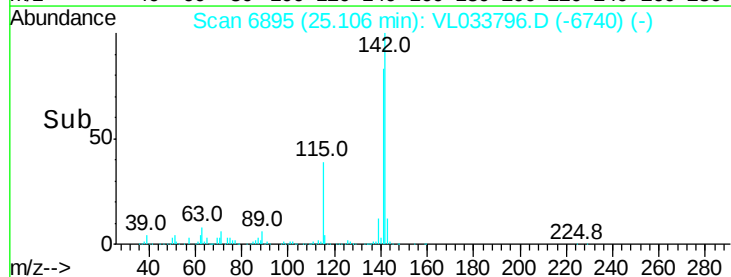
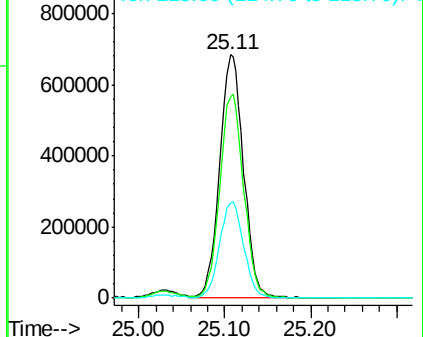
115 39.6 34.1 51.1

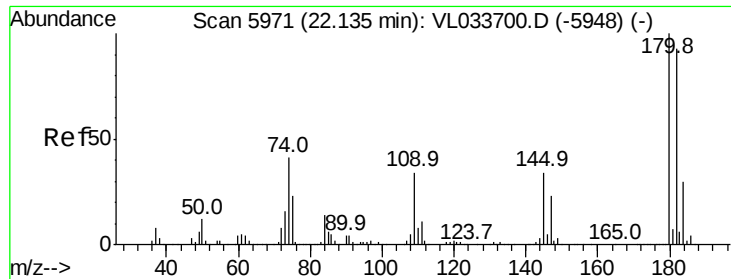


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

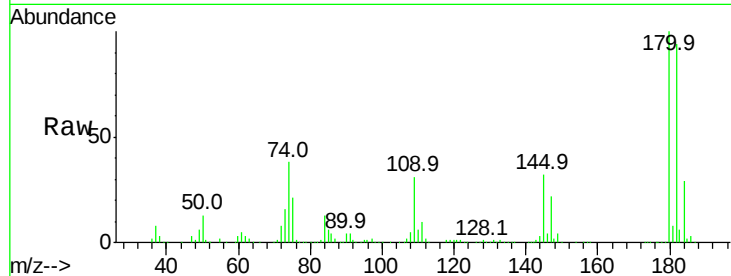




#81
 1,2,4-Trichlorobenzene
 Concen: 7.088 ppbv
 RT: 22.13 min Scan# 5968
 Delta R.T. -0.01 min
 Lab File: VL033796.D
 Acq: 24 May 2019 9:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:180 Resp: 1530695
 Ion Ratio Lower Upper
 180 100
 182 95.7 76.1 114.1
 184 30.7 24.6 37.0



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

