

Data File : VL035800.D
Acq On : 3 Nov 2020 11:11
Operator : SY/AP
Sample : VSTDIC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Quant Time: Nov 03 11:38:58 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 03 11:09:05 2020
QLast Update : Tue Nov 03 11:09:05 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1327679	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	5258122	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	5096797	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	3495807	9.15	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.50%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.04	85	475002	2.180	ppbv	99
3) Chlorodifluoromethane	2.98	51	334978	2.345	ppbv	100
4) Chloromethane	3.14	50	160716	2.095	ppbv	96
5) Vinyl Chloride	3.25	62	203843	2.246	ppbv	96
6) Bromomethane	3.47	94	165592	2.158	ppbv	92
7) Chloroethane	3.56	64	73123	2.197	ppbv	92
8) Dichlorotetrafluoroethane	3.18	85	602125	2.279	ppbv	98
9) Propene	3.01	41	123253	2.377	ppbv	95
10) Heptane	8.12	43	339681	2.349	ppbv	99
11) Trichlorofluoromethane	3.94	101	669187	2.153	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.48	101	485712	2.096	ppbv	100
13) Ethanol	3.60	45	31352	2.451	ppbv	98
14) Bromoethene	3.74	108	217044	2.224	ppbv	98
15) Acetone	3.85	43	305849	2.141	ppbv	89
16) 1,3-Butadiene	3.32	39	130965	2.506	ppbv	100
17) tert-Butyl alcohol	4.29	59	326286	2.097	ppbv	99
18) 1,1-Dichloroethene	4.29	96	220424	2.173	ppbv	97
19) Isopropyl Alcohol	3.96	45	159284	2.050	ppbv	# 97
20) Methylene Chloride	4.34	84	201237	1.918	ppbv	98
21) Allyl Chloride	4.41	41	160479	2.317	ppbv	97
22) trans-1,2-Dichloroethene	4.88	96	213883	1.996	ppbv	98
23) Vinyl Acetate	5.07	43	389635	2.227	ppbv	98
24) 1,1-Dichloroethane	5.01	63	397254	2.084	ppbv	97
25) Ethyl Acetate	5.68	43	607521	2.363	ppbv	100
26) Hexane	5.69	57	325265	2.309	ppbv	99
27) Carbon Disulfide	4.55	76	476048	2.267	ppbv	98
28) Methyl tert-Butyl Ether	5.03	73	571613	2.560	ppbv	98
29) Chloroform	5.75	83	634258	2.217	ppbv	96
30) Cyclohexane	7.13	84	338509	2.436	ppbv	88
31) cis-1,2-Dichloroethene	5.55	61	330552	2.431	ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	614943	2.439	ppbv	99
34) 2-Butanone	5.24	43	376439	2.164	ppbv	97
35) Carbon Tetrachloride	7.01	117	598480	2.183	ppbv	98
36) Benzene	6.89	78	839384	2.450	ppbv	96
37) 1,2-Dichloroethane	6.30	62	381303	2.135	ppbv	100
38) Trichloroethene	7.83	130	378865	2.217	ppbv	98
39) 1,2-Dichloropropane	7.61	63	285200	2.297	ppbv	96
40) 1,4-Dioxane	7.84	88	118088	2.079	ppbv	66
41) Tetrahydrofuran	6.05	42	211990	2.419	ppbv	98
42) Bromodichloromethane	7.79	83	643030	2.235	ppbv	99
43) Methyl Methacrylate	8.01	69	316422	2.322	ppbv	99

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Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Quant Time: Nov 03 11:38:58 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110320AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 03 11:09:05 2020

QLast Update : Tue Nov 03 11:09:05 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	1158107	2.356	ppbv	98
45) t-1,3-Dichloropropene	9.28	75	326145	2.371	ppbv	98
46) cis-1,3-Dichloropropene	8.70	75	421523	2.486	ppbv	95
47) 1,1,2-Trichloroethane	9.48	97	383520	2.156	ppbv	97
48) Dibromochloromethane	10.31	129	589911	2.179	ppbv	99
49) Bromoform	13.05	173	501514	2.183	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	265945	1.047	ppbv #	19
51) 2-Hexanone	10.14	43	462895	2.262	ppbv #	99
52) Tetrachloroethene	11.22	164	366379	2.224	ppbv	99
53) Toluene	9.81	91	1010250	2.501	ppbv	98
54) 1,2-Dibromoethane	10.61	107	585002	2.196	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.13	131	480412	2.248	ppbv #	1
57) Chlorobenzene	12.15	112	849713	2.207	ppbv	97
58) Ethyl Benzene	12.72	91	1321995	2.584	ppbv	95
59) m/p-Xylene	13.00	91	1203124	2.693	ppbv #	39
60) o-Xylene	13.70	91	1099386	2.433	ppbv	99
61) Styrene	13.54	104	775304	2.481	ppbv	98
62) Isopropylbenzene	14.68	105	1730839	2.469	ppbv	96
63) 1,1,2,2-Tetrachloroethane	13.68	83	804543	2.171	ppbv	99
64) n-propylbenzene	15.57	120	482086	2.350	ppbv	83
65) tert-Butylbenzene	16.75	119	1596535	2.505	ppbv	95
66) Benzyl Chloride	17.00	91	464113	2.404	ppbv	100
67) sec-Butylbenzene	17.30	105	2192861	2.492	ppbv	95
69) p-Isopropyltoluene	17.66	119	1773233	2.477	ppbv	95
70) n-Butylbenzene	18.56	91	1742155	2.363	ppbv	96
71) 2-Chlorotoluene	15.46	91	1253821	2.452	ppbv	98
72) 4-Ethyltoluene	15.84	105	1330292	2.485	ppbv	97
73) 1,3,5-Trimethylbenzene	16.00	105	1222662	2.417	ppbv	95
74) 1,2,4-Trimethylbenzene	16.77	105	1340088	2.350	ppbv	95
75) 1,3-Dichlorobenzene	17.00	146	839166	2.155	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	798631	2.146	ppbv	99
77) 1,2-Dichlorobenzene	17.83	146	815130	2.217	ppbv	98
78) Hexachloro-1,3-Butadiene	23.39	225	399282	1.968	ppbv	99
79) Naphthalene	22.22	128	883507	1.624	ppbv	98
80) Naphthalene,2-methyl-	24.99	142	132030	1.029	ppbv	99
81) 1,2,4-Trichlorobenzene	21.94	180	508049	1.802	ppbv	100

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

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Acq On       : 3 Nov 2020 11:11
Operator    : SY/AP
Sample      : VSTDICC002
Misc       : 400ml/MSV0A_L
ALS Vial    : 1 Sample Multipl
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Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

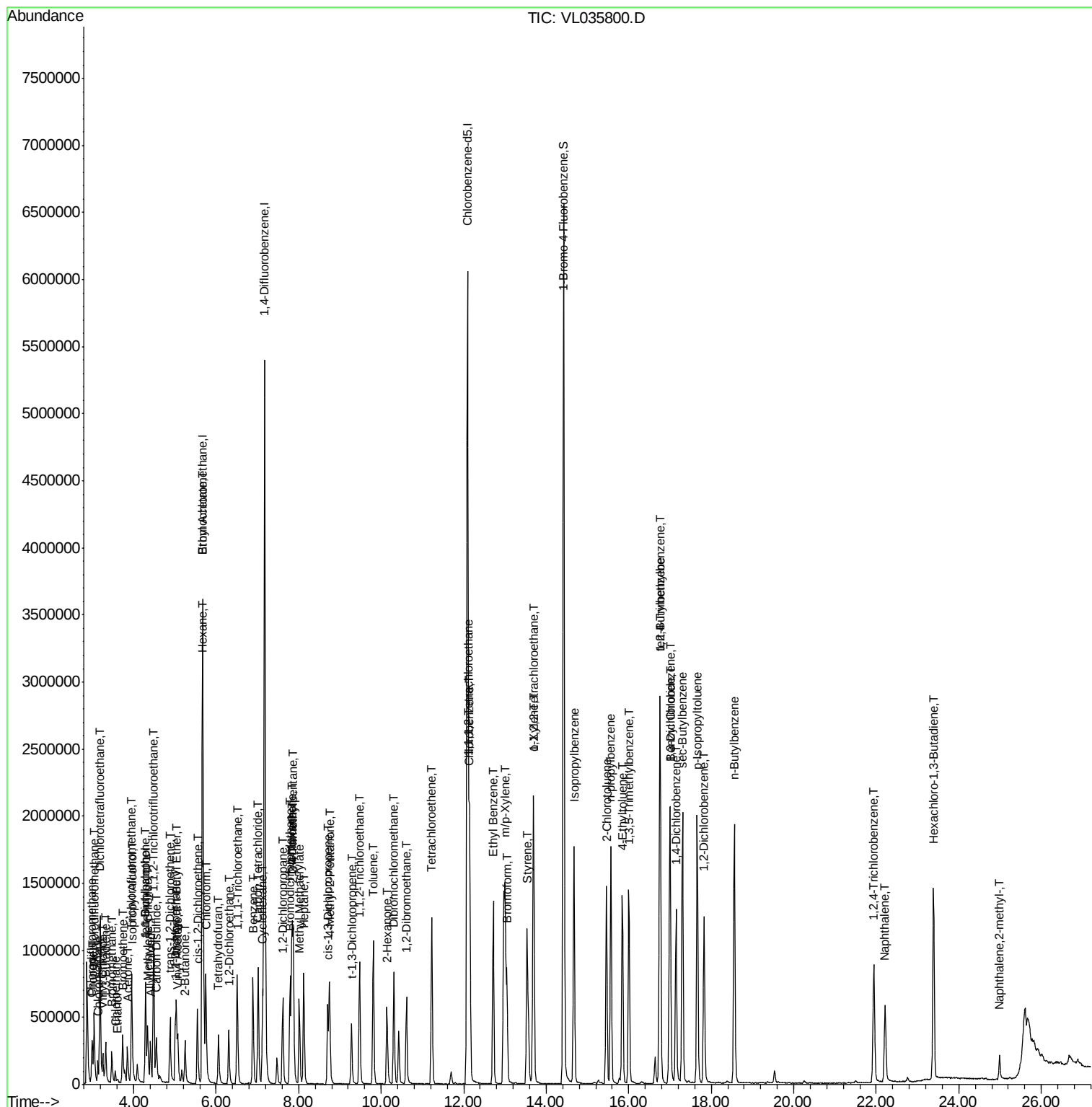
Quant Time: Nov 03 11:38:58 2020

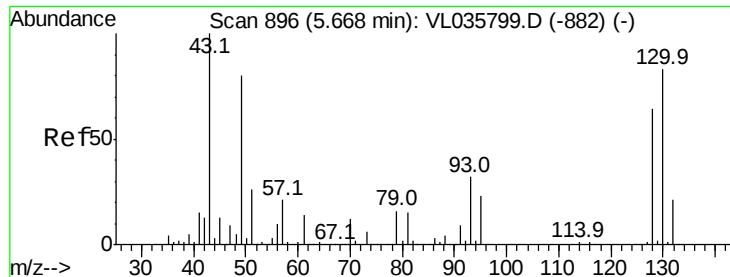
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_L\METHODS\VL110320AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LTue Nov 03 11:09:05 2020

QLast Update : Tue Nov 03 11:09:05 2020

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.01 min

Lab File: VL035800.D

Acq: 3 Nov 2020 11:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

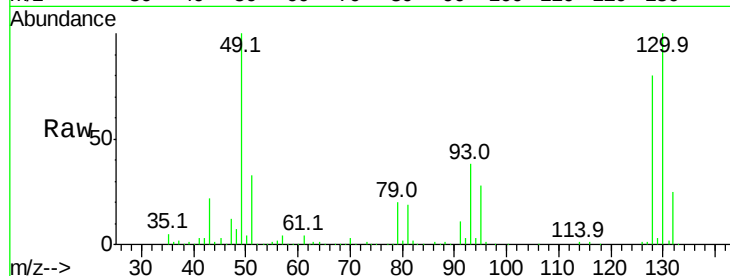
Tgt Ion: 49 Resp: 1327679

Ion Ratio Lower Upper

49 100

128 84.8 41.5 124.6

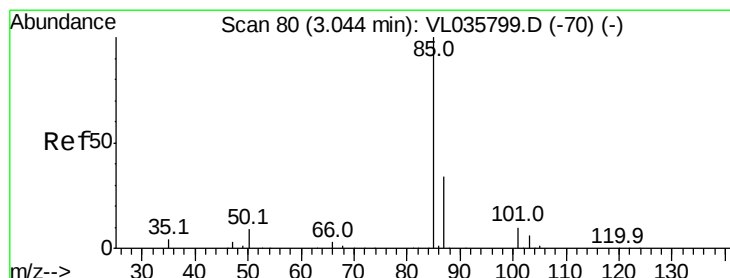
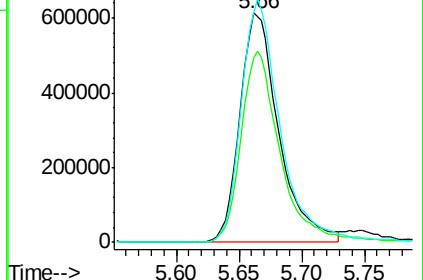
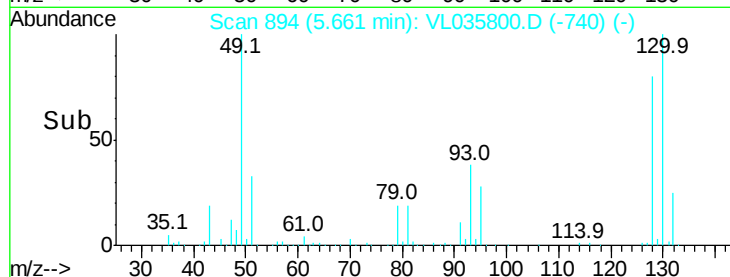
130 108.0 53.7 161.1



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 2.180 ppbv

RT: 3.04 min Scan# 80

Delta R.T. 0.00 min

Lab File: VL035800.D

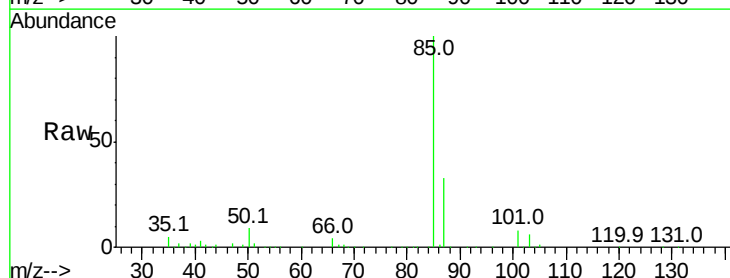
Acq: 3 Nov 2020 11:11

Tgt Ion: 85 Resp: 475002

Ion Ratio Lower Upper

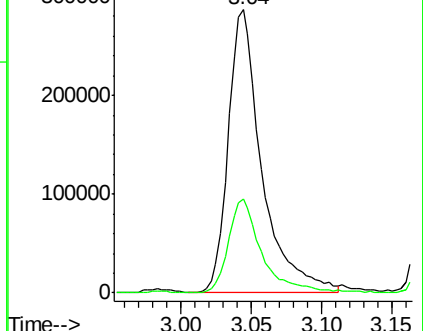
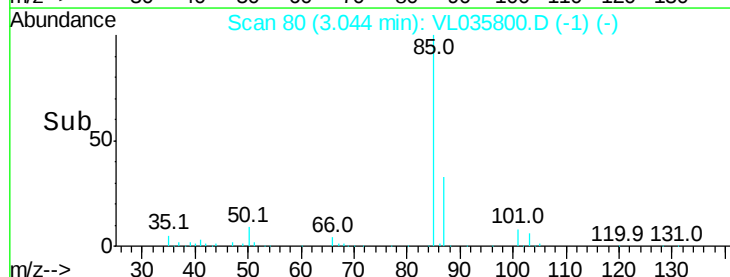
85 100

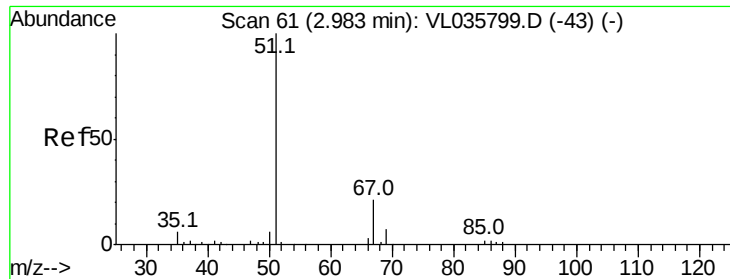
87 33.2 27.1 40.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 2.345 ppbv

RT: 2.98 min Scan# 61

Delta R.T. 0.00 min

Lab File: VL035800.D

Acq: 3 Nov 2020 11:11

Instrument :

MSVOA_L

ClientSampleId :

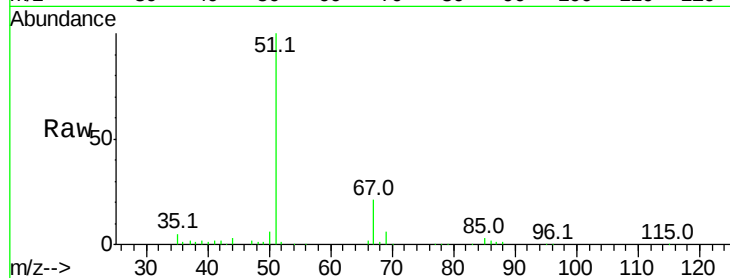
VSTDIC002

Tgt Ion: 51 Resp: 334978

Ion Ratio Lower Upper

51 100

67 21.1 17.0 25.4



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.98

200000

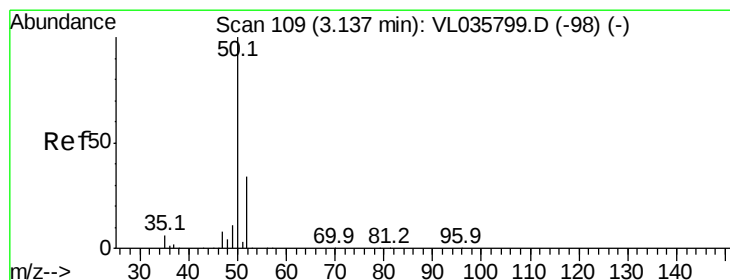
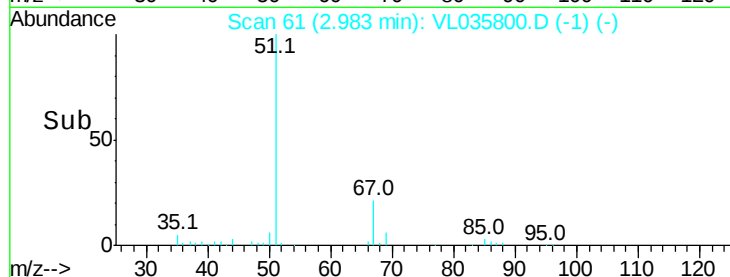
150000

100000

50000

0

Time-->



#4

Chloromethane

Concen: 2.095 ppbv

RT: 3.14 min Scan# 109

Delta R.T. 0.00 min

Lab File: VL035800.D

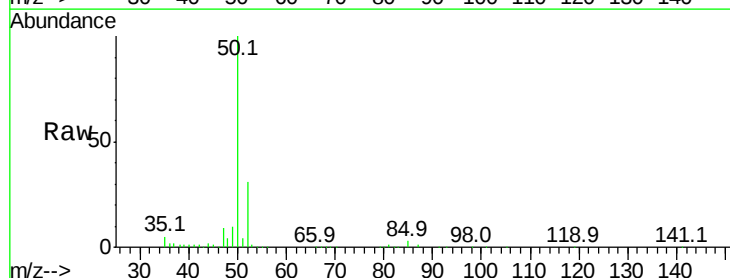
Acq: 3 Nov 2020 11:11

Tgt Ion: 50 Resp: 160716

Ion Ratio Lower Upper

50 100

52 31.5 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.14

100000

80000

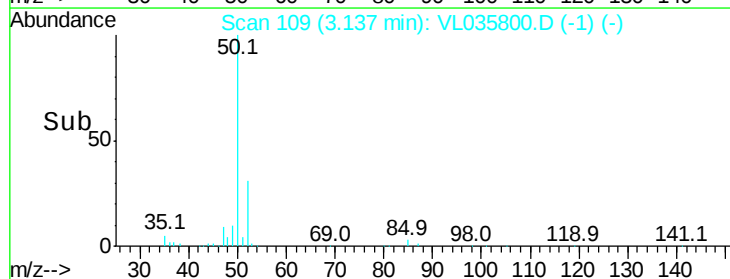
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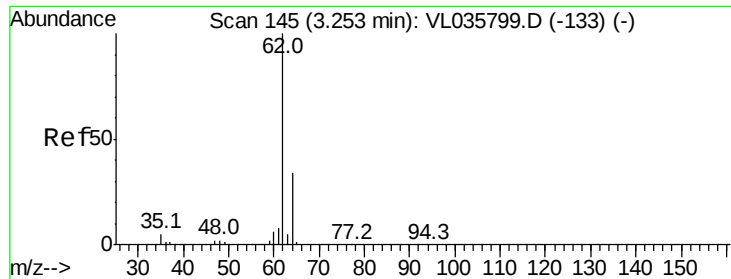
40000

20000

0

Time-->





#5

Vinyl Chloride

Concen: 2.246 ppbv

RT: 3.25 min Scan# 145

Delta R.T. 0.00 min

Lab File: VL035800.D

Acq: 3 Nov 2020 11:11

Instrument :

MSVOA_L

ClientSampleId :

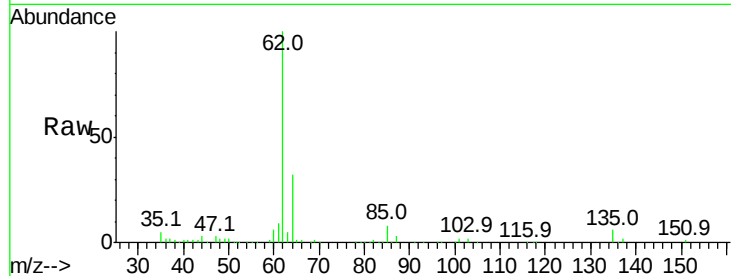
VSTDIC002

Tgt Ion: 62 Resp: 203843

Ion Ratio Lower Upper

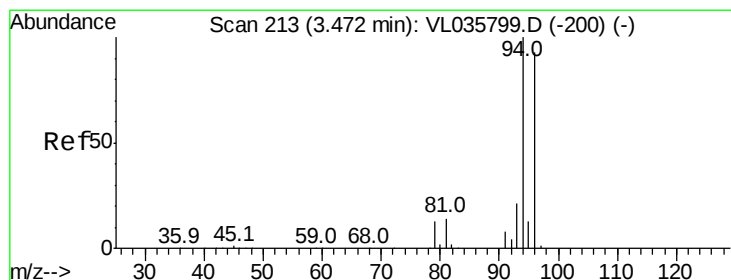
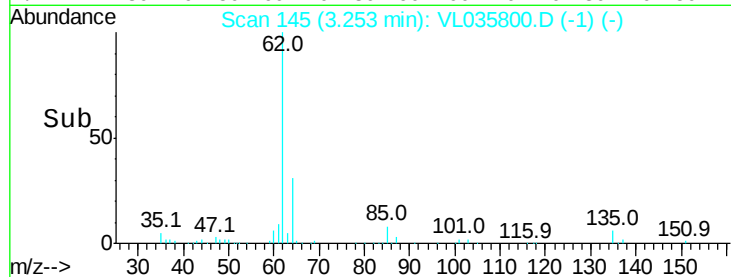
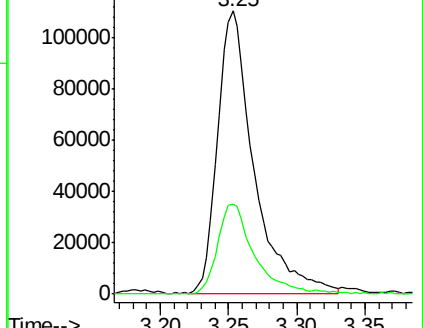
62 100

64 31.4 26.9 40.3



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 2.158 ppbv

RT: 3.47 min Scan# 213

Delta R.T. 0.00 min

Lab File: VL035800.D

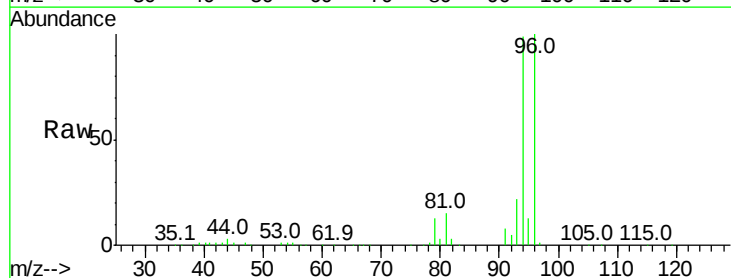
Acq: 3 Nov 2020 11:11

Tgt Ion: 94 Resp: 165592

Ion Ratio Lower Upper

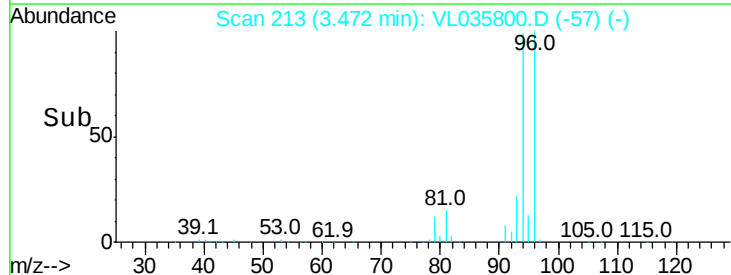
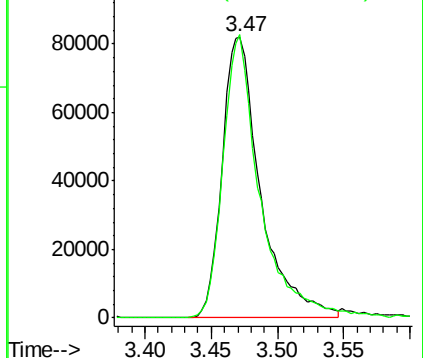
94 100

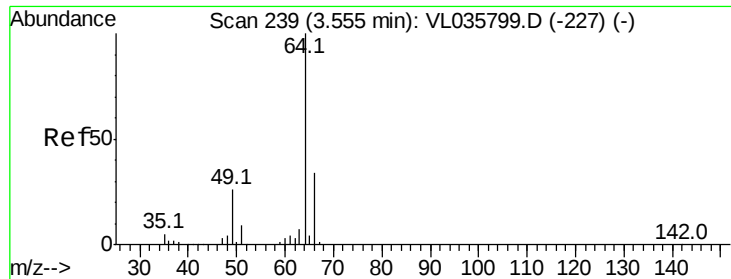
96 100.5 74.6 111.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 2.197 ppbv

RT: 3.56 min Scan# 239

Delta R.T. 0.00 min

Lab File: VL035800.D

Acq: 3 Nov 2020 11:11

Instrument :

MSVOA_L

ClientSampleId :

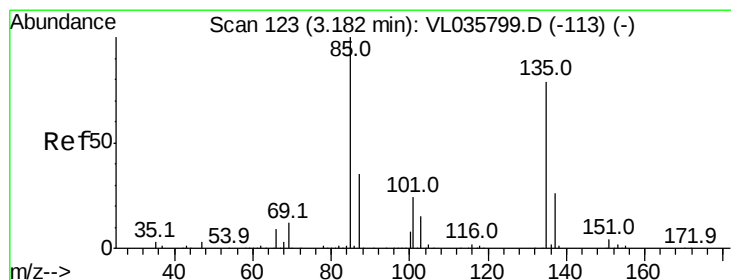
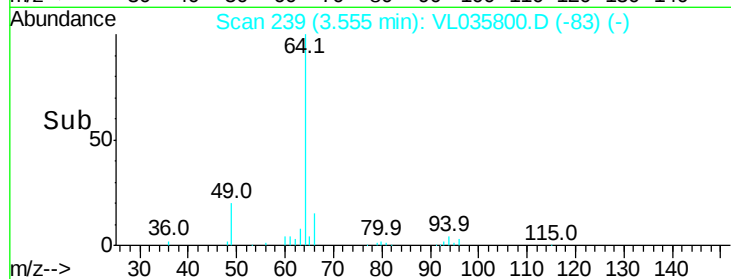
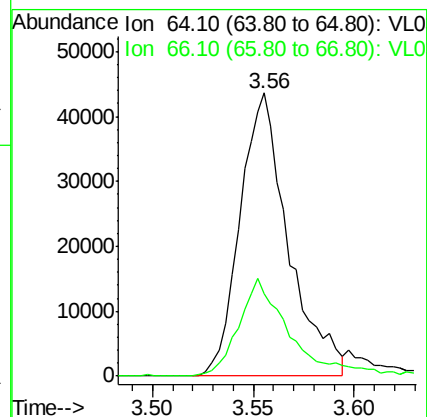
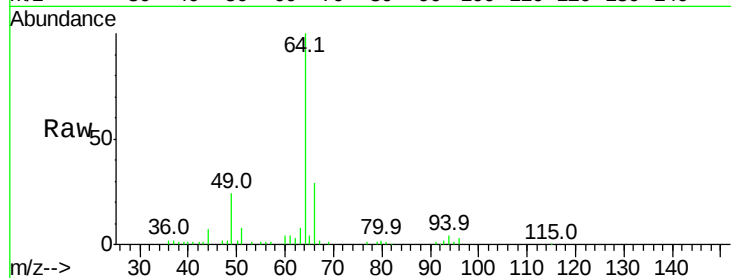
VSTDIC002

Tgt Ion: 64 Resp: 73123

Ion Ratio Lower Upper

64 100

66 29.0 27.0 40.6



#8

Dichlorotetrafluoroethane

Concen: 2.279 ppbv

RT: 3.18 min Scan# 123

Delta R.T. 0.00 min

Lab File: VL035800.D

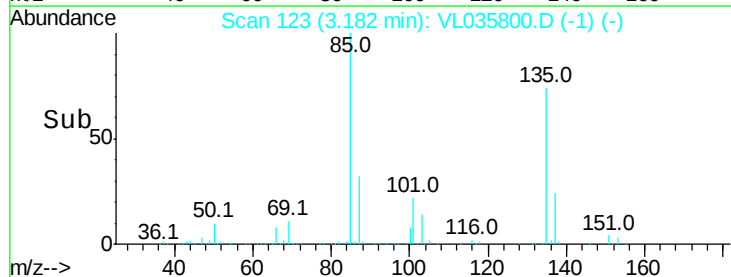
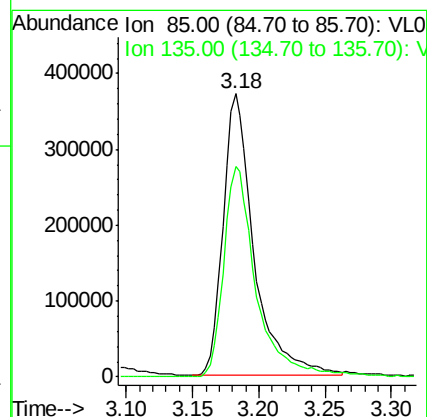
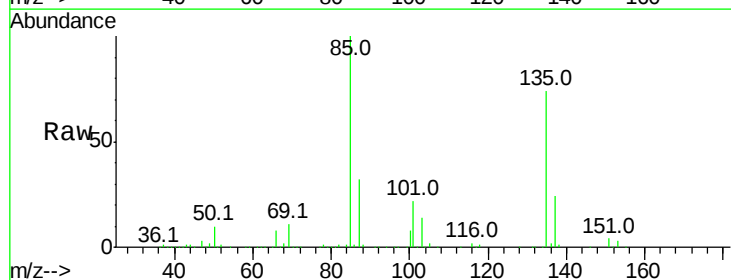
Acq: 3 Nov 2020 11:11

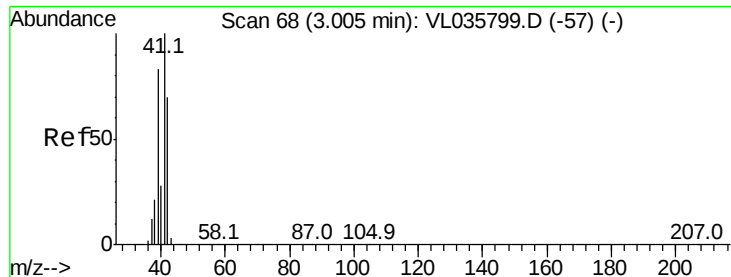
Tgt Ion: 85 Resp: 602125

Ion Ratio Lower Upper

85 100

135 79.3 64.6 96.8





#9

Propene

Concen: 2.377 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.00 min

Lab File: VL035800.D

Acq: 3 Nov 2020 11:11

Instrument :

MSVOA_L

ClientSampleId :

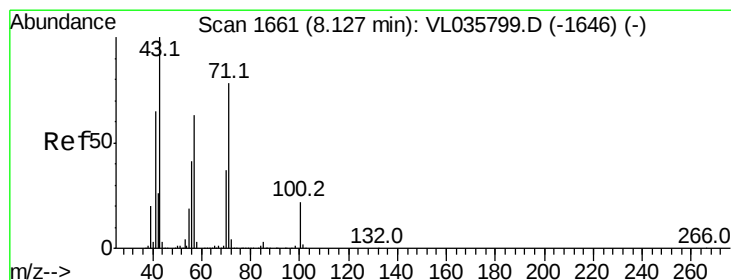
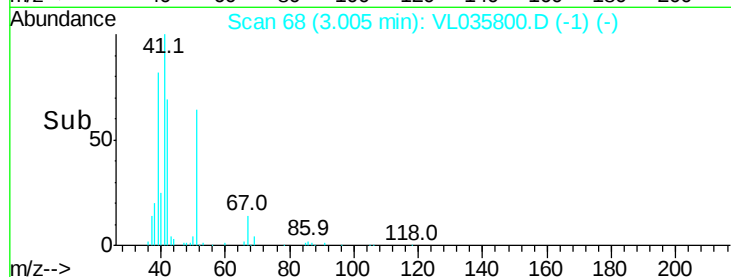
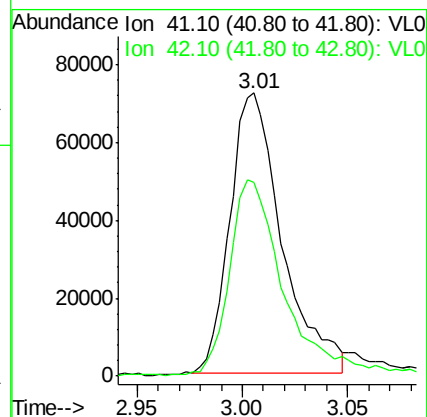
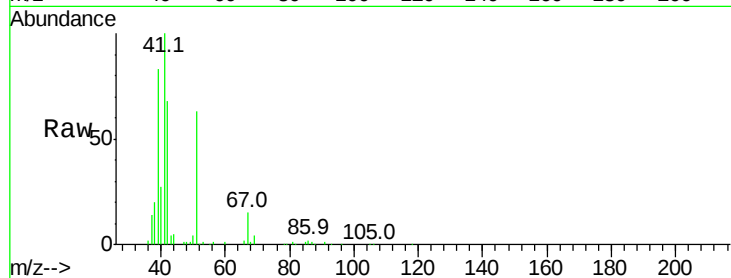
VSTDIC002

Tgt Ion: 41 Resp: 123253

Ion Ratio Lower Upper

41 100

42 74.6 56.2 84.4



#10

Heptane

Concen: 2.349 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. -0.01 min

Lab File: VL035800.D

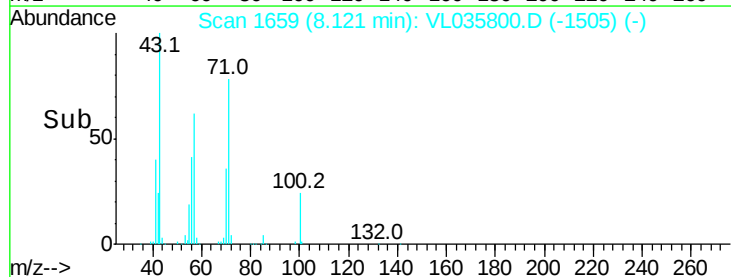
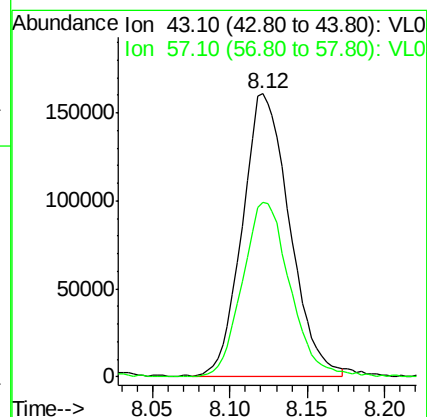
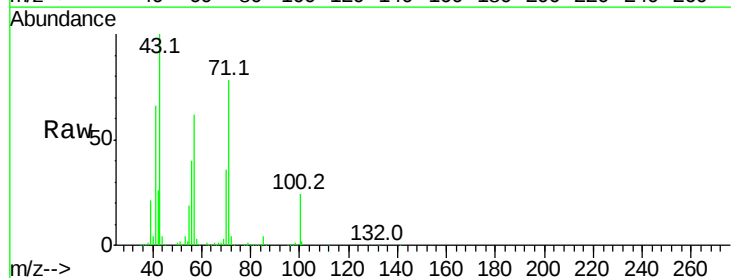
Acq: 3 Nov 2020 11:11

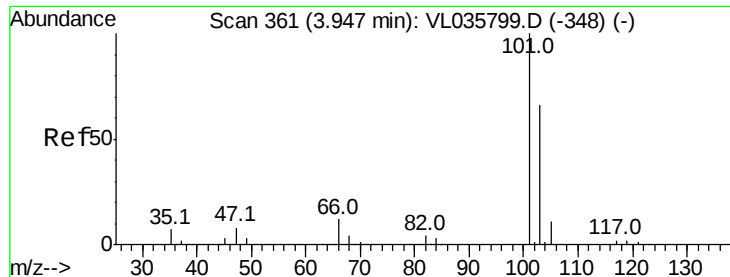
Tgt Ion: 43 Resp: 339681

Ion Ratio Lower Upper

43 100

57 63.2 50.0 75.0

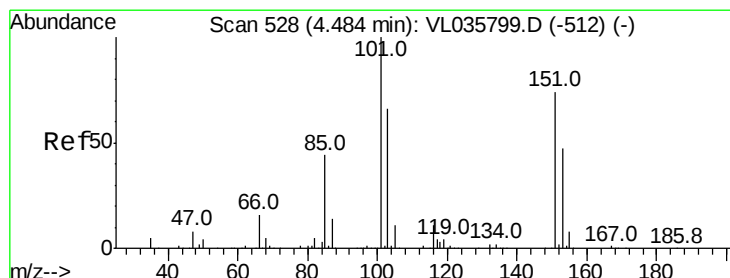
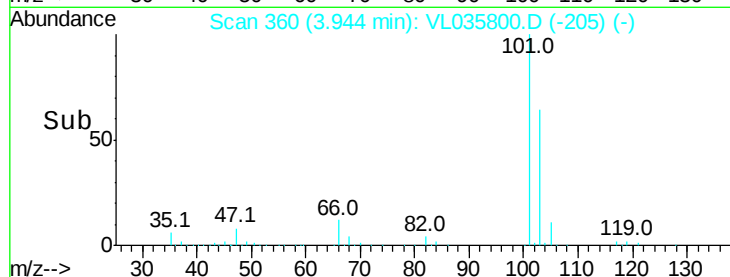
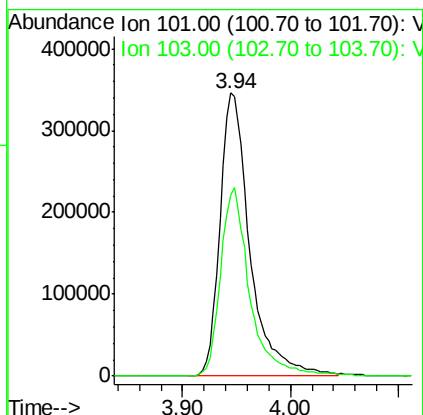
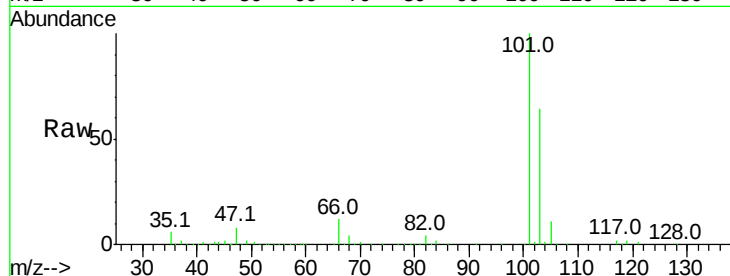




#11
 Trichlorofluoromethane
 Concen: 2.153 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. -0.00 min
 Lab File: VL035800.D
 Acq: 3 Nov 2020 11:11

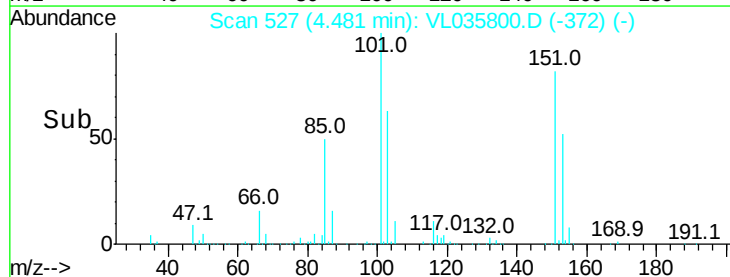
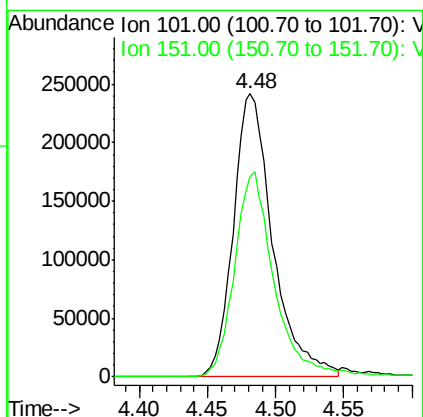
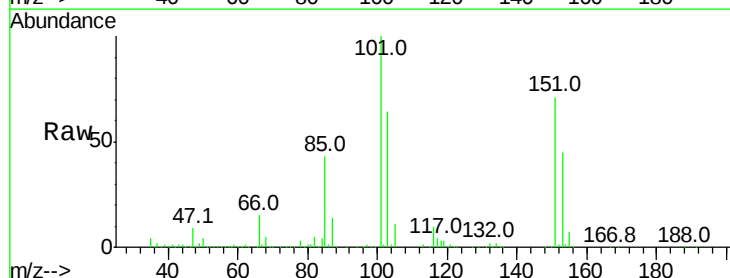
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

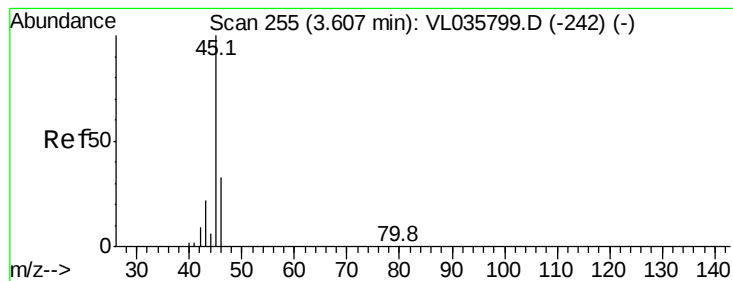
Tgt Ion:101 Resp: 669187
 Ion Ratio Lower Upper
 101 100
 103 63.7 53.0 79.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.096 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VL035800.D
 Acq: 3 Nov 2020 11:11

Tgt Ion:101 Resp: 485712
 Ion Ratio Lower Upper
 101 100
 151 73.4 58.9 88.3





#13

Ethanol

Concen: 2.451 ppbv

RT: 3.60 min Scan# 254

Delta R.T. -0.00 min

Lab File: VL035800.D

Acq: 3 Nov 2020 11:11

Instrument :

MSVOA_L

ClientSampleId :

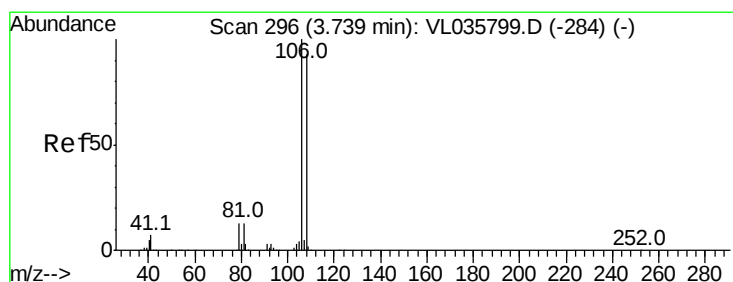
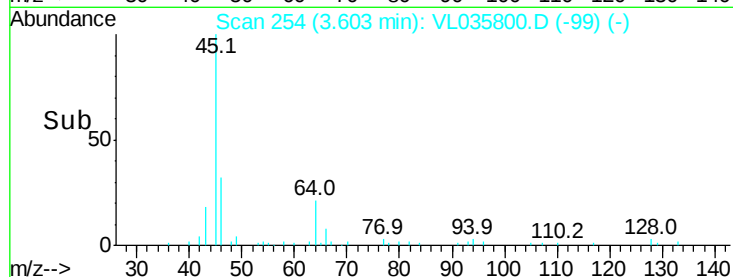
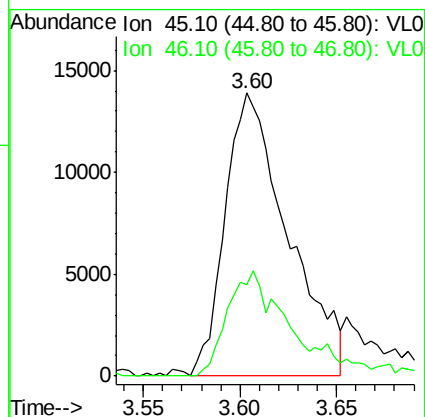
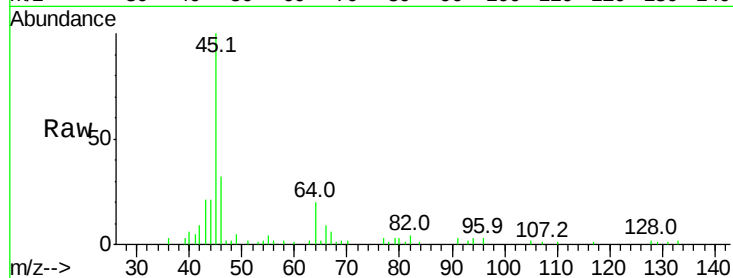
VSTDIC002

Tgt Ion: 45 Resp: 31352

Ion Ratio Lower Upper

45 100

46 39.2 16.1 64.5



#14

Bromoethene

Concen: 2.224 ppbv

RT: 3.74 min Scan# 295

Delta R.T. -0.00 min

Lab File: VL035800.D

Acq: 3 Nov 2020 11:11

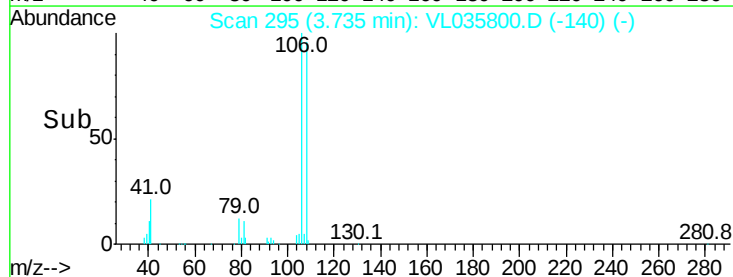
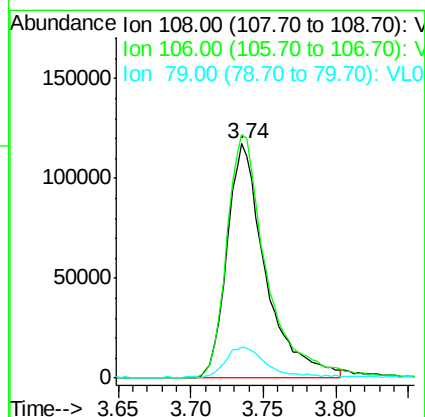
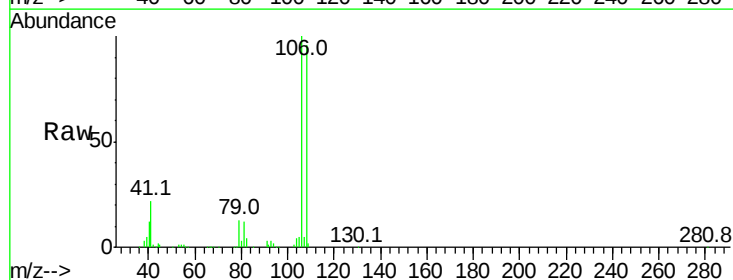
Tgt Ion: 108 Resp: 217044

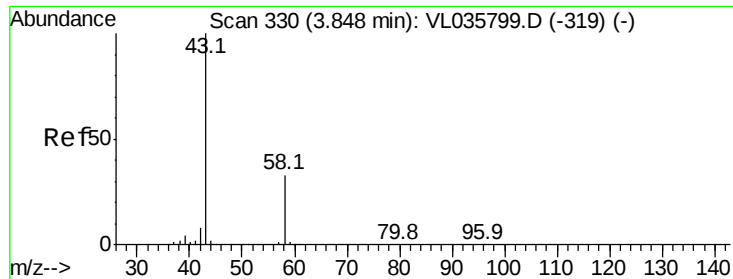
Ion Ratio Lower Upper

108 100

106 108.6 85.3 127.9

79 14.7 11.6 17.4





#15

Acetone

Concen: 2.141 ppbv

RT: 3.85 min Scan# 330

Delta R.T. 0.00 min

Lab File: VL035800.D

Acq: 3 Nov 2020 11:11

Instrument :

MSVOA_L

ClientSampleId :

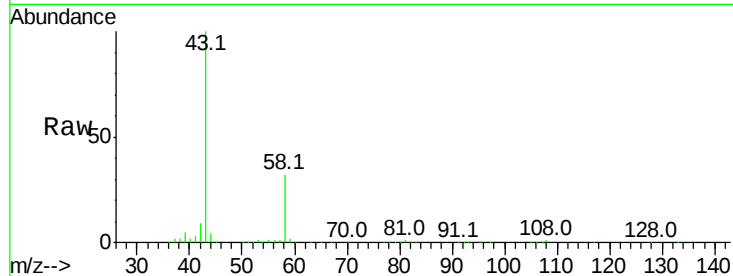
VSTDIC002

Tgt Ion: 43 Resp: 305849

Ion Ratio Lower Upper

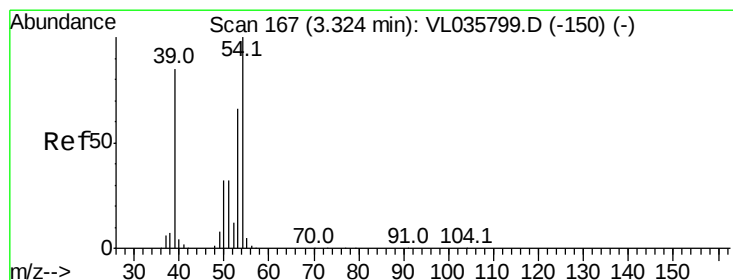
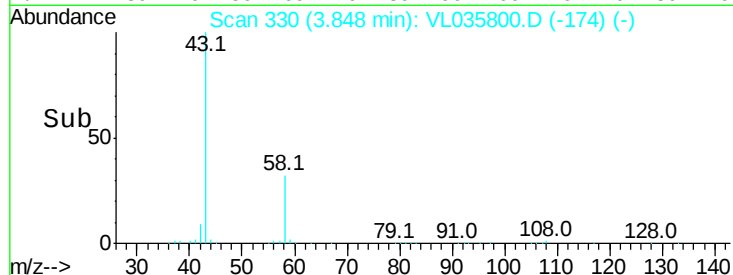
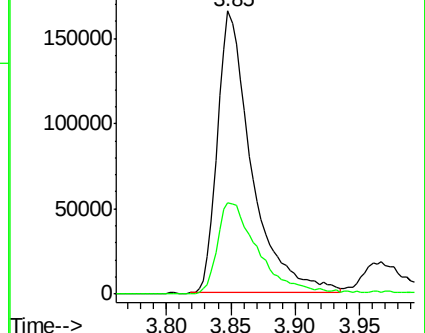
43 100

58 40.9 27.5 41.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 2.506 ppbv

RT: 3.32 min Scan# 166

Delta R.T. -0.00 min

Lab File: VL035800.D

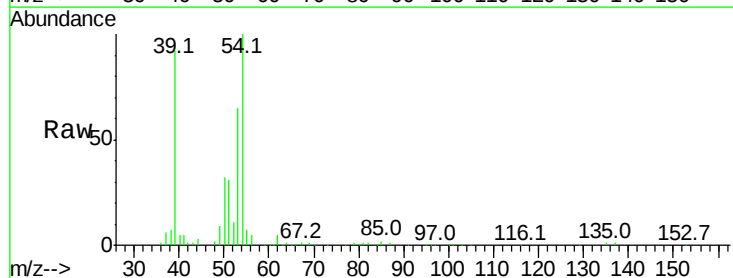
Acq: 3 Nov 2020 11:11

Tgt Ion: 39 Resp: 130965

Ion Ratio Lower Upper

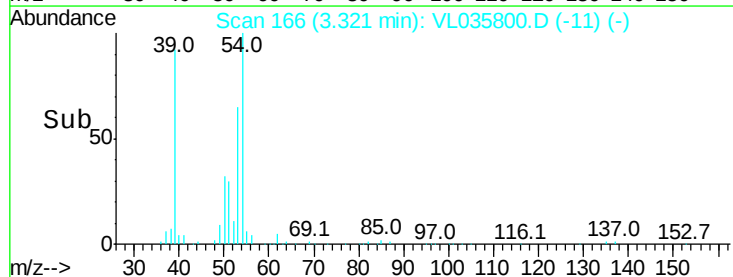
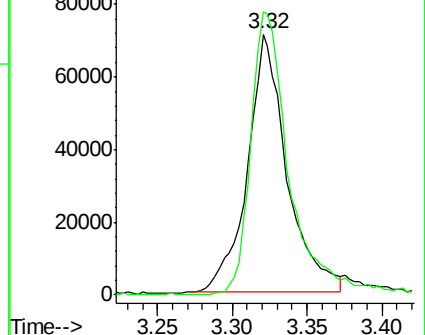
39 100

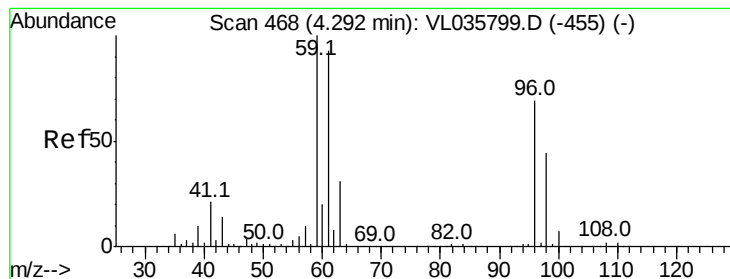
54 109.3 87.1 130.7



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 2.097 ppbv

RT: 4.29 min Scan# 468

Delta R.T. 0.00 min

Lab File: VL035800.D

Acq: 3 Nov 2020 11:11

Instrument :

MSVOA_L

ClientSampleId :

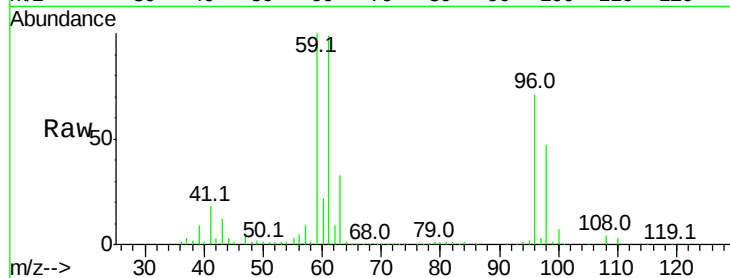
VSTDIC002

Tgt Ion: 59 Resp: 326286

Ion Ratio Lower Upper

59 100

57 10.7 8.2 12.4



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.29

150000

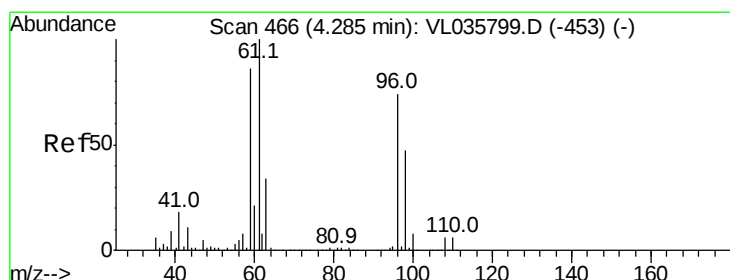
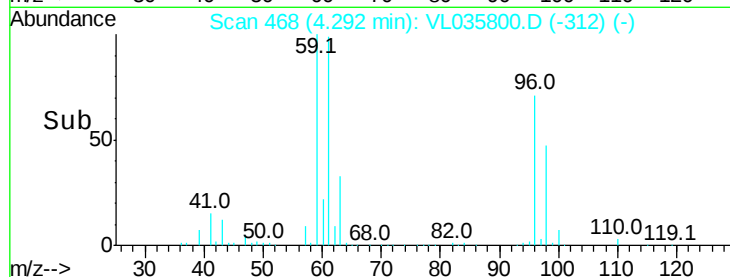
100000

50000

0

Time-->

4.20 4.30 4.40



#18

1,1-Dichloroethene

Concen: 2.173 ppbv

RT: 4.29 min Scan# 466

Delta R.T. 0.00 min

Lab File: VL035800.D

Acq: 3 Nov 2020 11:11

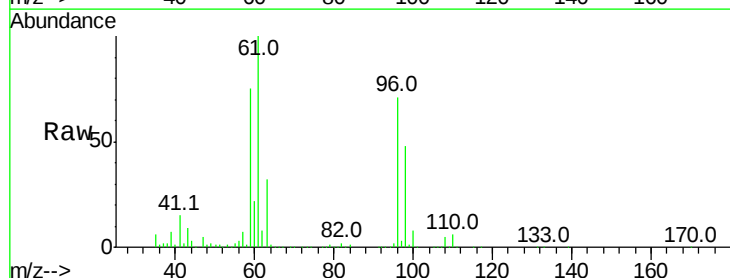
Tgt Ion: 96 Resp: 220424

Ion Ratio Lower Upper

96 100

61 139.6 108.5 162.7

98 66.3 50.7 76.1



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

200000

150000

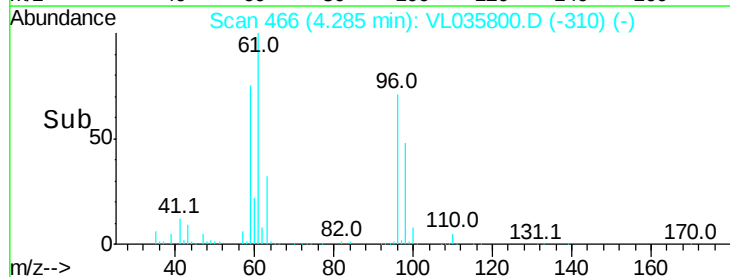
100000

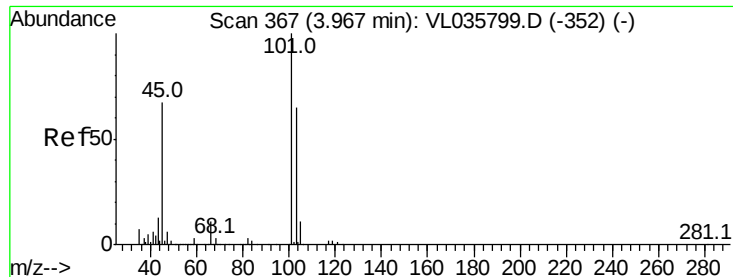
50000

0

Time-->

4.25 4.30 4.35





#19

Isopropyl Alcohol

Concen: 2.050 ppbv

RT: 3.96 min Scan# 366

Delta R.T. -0.00 min

Lab File: VL035800.D

Acq: 3 Nov 2020 11:11

Instrument :

MSVOA_L

ClientSampleId :

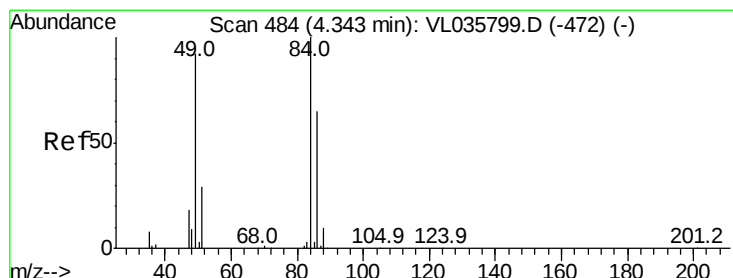
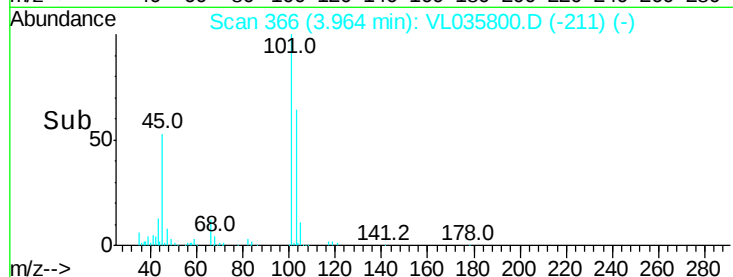
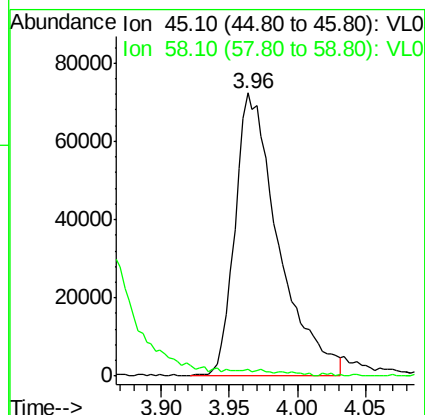
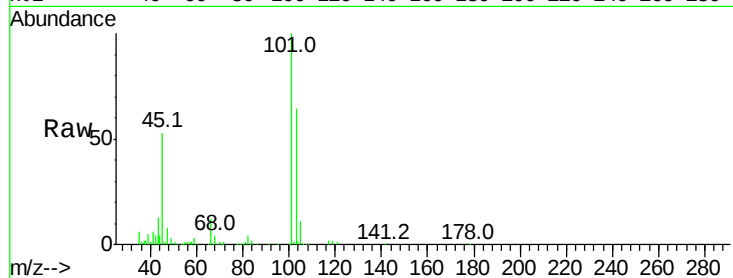
VSTDIC002

Tgt Ion: 45 Resp: 159284

Ion Ratio Lower Upper

45 100

58 2.3 2.6 3.8#



#20

Methylene Chloride

Concen: 1.918 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.00 min

Lab File: VL035800.D

Acq: 3 Nov 2020 11:11

Tgt Ion: 84 Resp: 201237

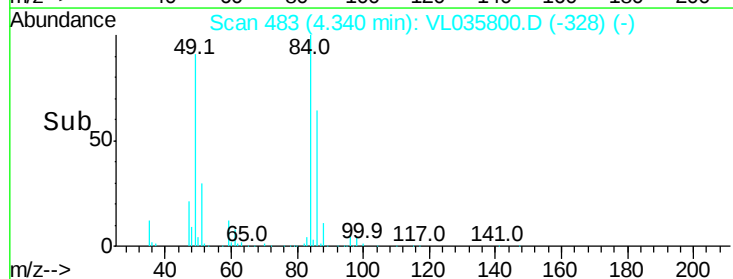
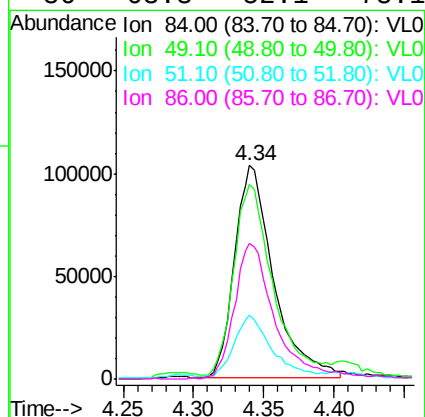
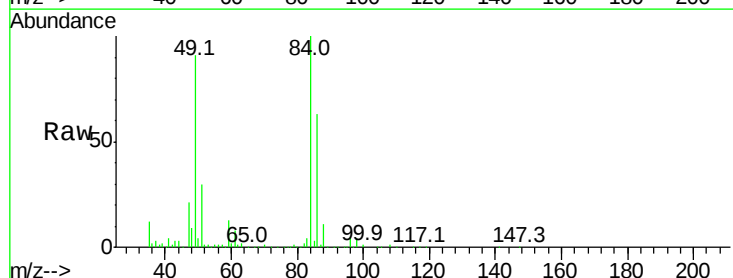
Ion Ratio Lower Upper

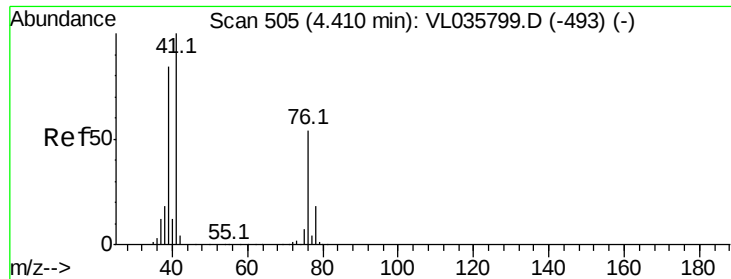
84 100

49 89.3 73.8 110.8

51 28.7 23.0 34.4

86 63.3 52.1 78.1





#21

Allyl Chloride

Concen: 2.317 ppbv

RT: 4.41 min Scan# 504

Delta R.T. -0.00 min

Lab File: VL035800.D

Acq: 3 Nov 2020 11:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

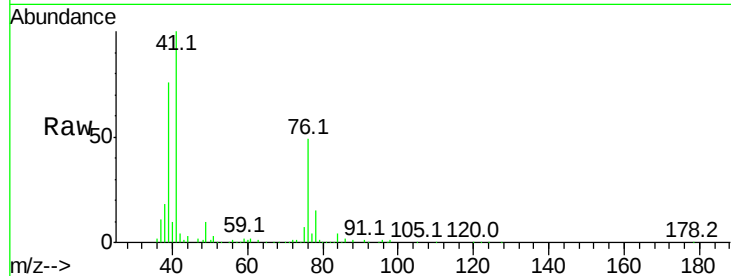
Tgt Ion: 41 Resp: 160479

Ion Ratio Lower Upper

41 100

76 55.0 42.6 63.8

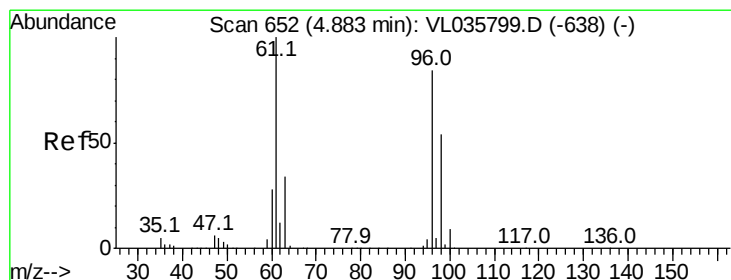
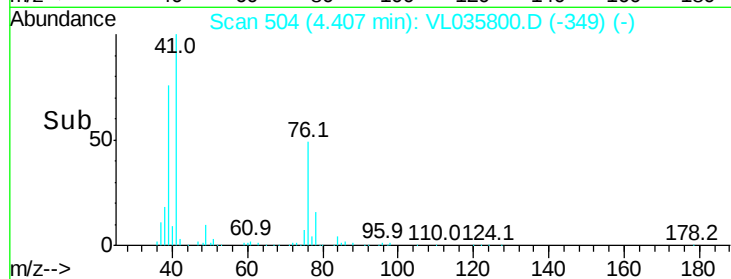
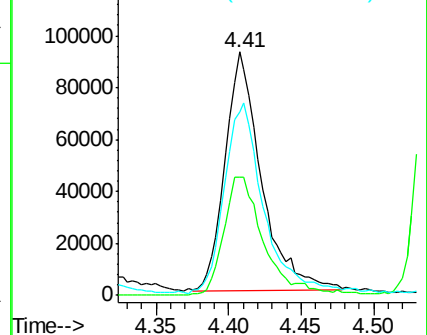
39 86.2 67.0 100.4



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: 1.996 ppbv

RT: 4.88 min Scan# 651

Delta R.T. -0.00 min

Lab File: VL035800.D

Acq: 3 Nov 2020 11:11

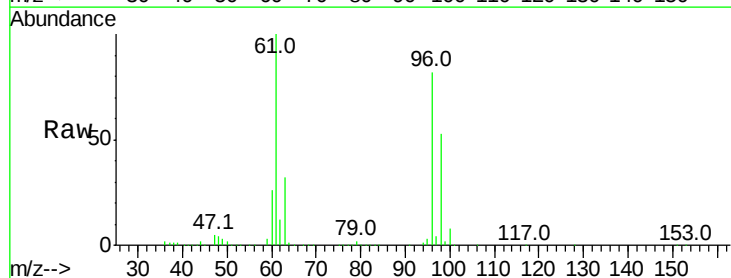
Tgt Ion: 96 Resp: 213883

Ion Ratio Lower Upper

96 100

61 122.6 95.4 143.0

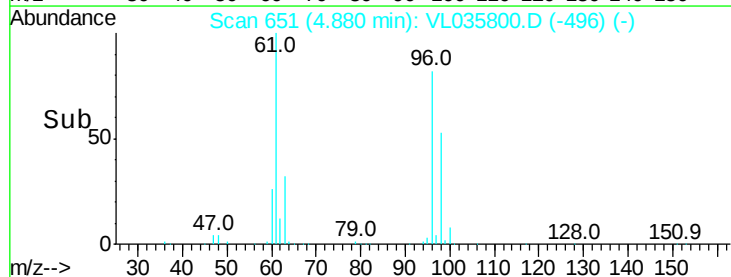
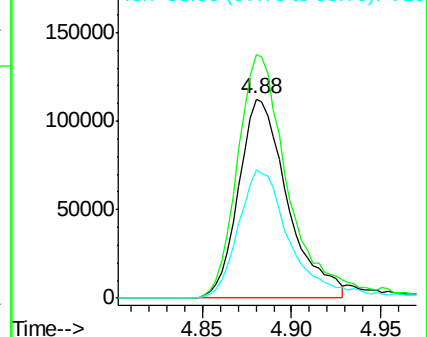
98 64.9 51.8 77.6

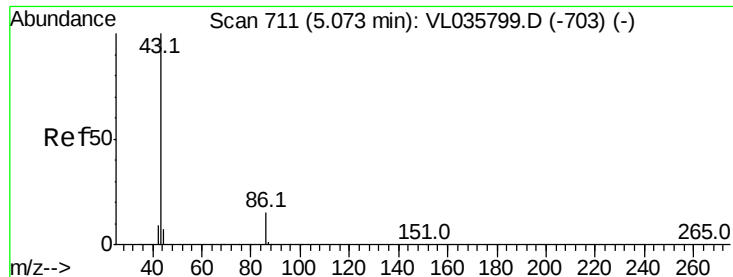


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 2.227 ppbv

RT: 5.07 min Scan# 710

Delta R.T. -0.00 min

Lab File: VL035800.D

Acq: 3 Nov 2020 11:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 43 Resp: 389635

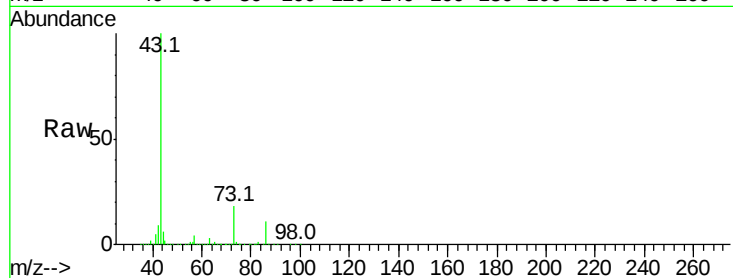
Ion Ratio Lower Upper

43 100

86 11.3 9.8 14.6

42 9.0 8.1 12.1

44 5.3 4.2 6.4

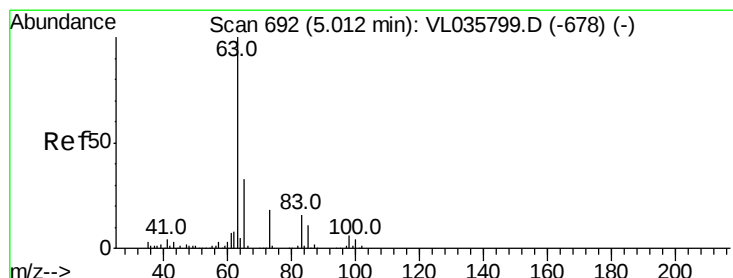
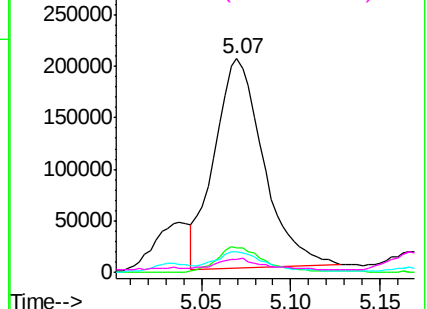
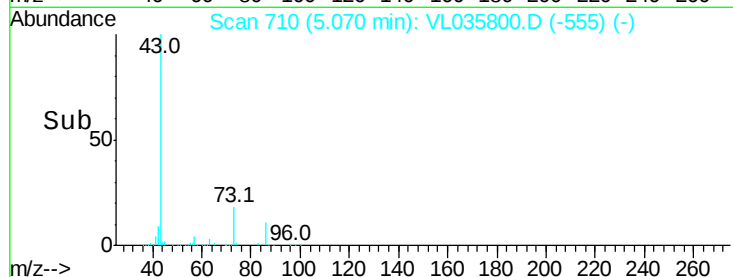


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 2.084 ppbv

RT: 5.01 min Scan# 690

Delta R.T. -0.01 min

Lab File: VL035800.D

Acq: 3 Nov 2020 11:11

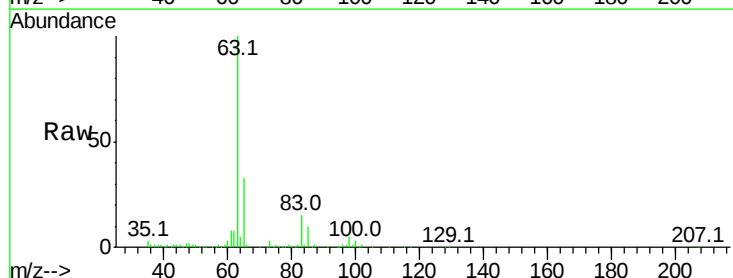
Tgt Ion: 63 Resp: 397254

Ion Ratio Lower Upper

63 100

98 5.1 3.0 9.2

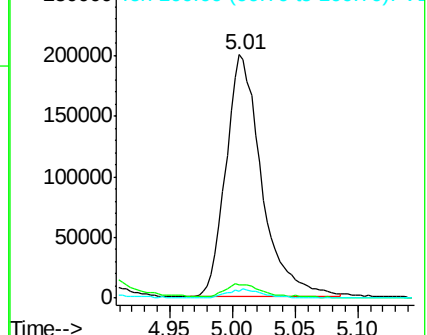
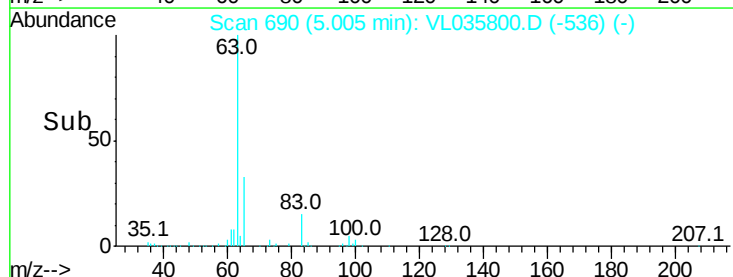
100 2.9 1.8 5.4

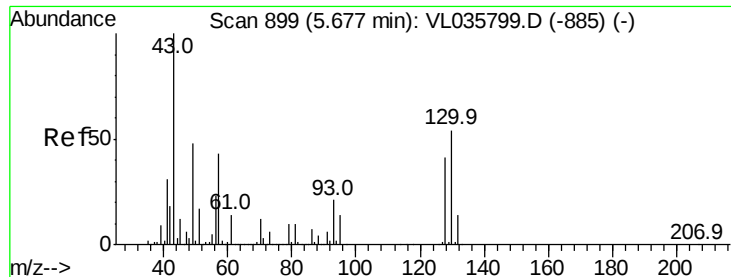


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

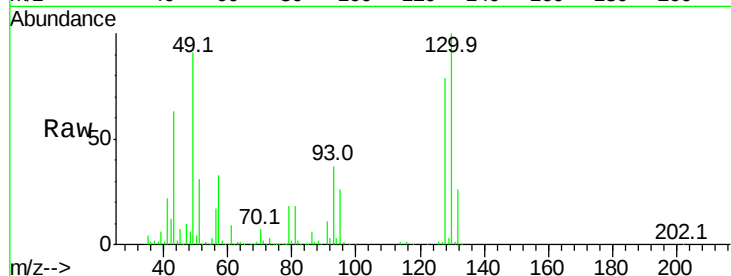




#25
Ethyl Acetate
Concen: 2.363 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.00 min
Lab File: VL035800.D
Acq: 3 Nov 2020 11:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion:	43	Resp:	607521
Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.5	12.7
61	13.2	10.7	16.1
70	10.5	8.6	12.8



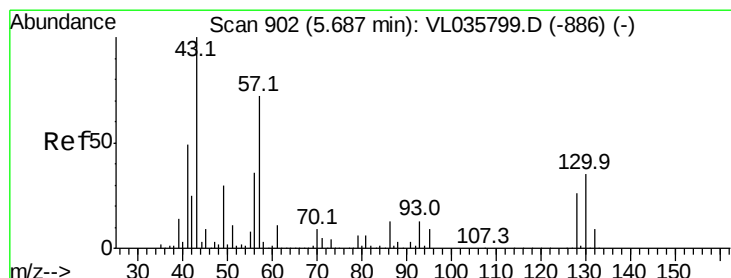
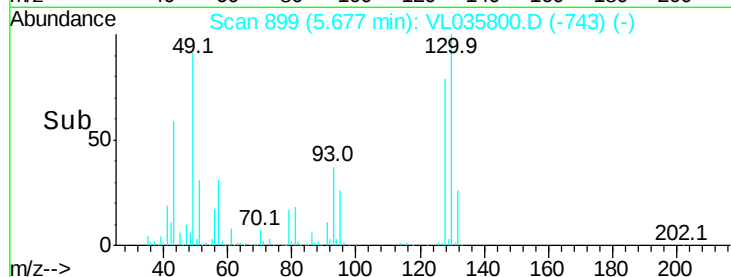
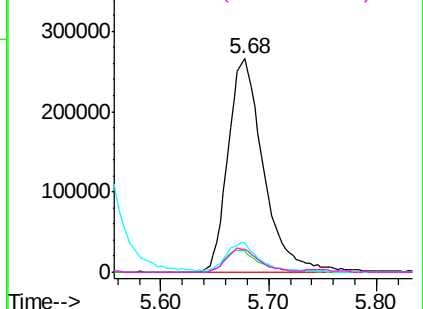
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

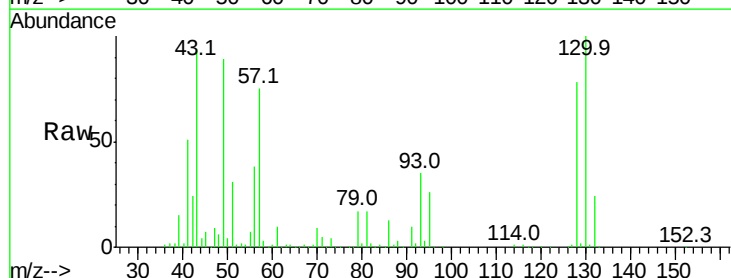
Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 2.309 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.00 min
Lab File: VL035800.D
Acq: 3 Nov 2020 11:11

Tgt Ion:	57	Resp:	325265
Ion	Ratio	Lower	Upper
57	100		
41	72.4	58.9	88.3
43	189.3	150.2	225.2
56	52.8	42.4	63.6



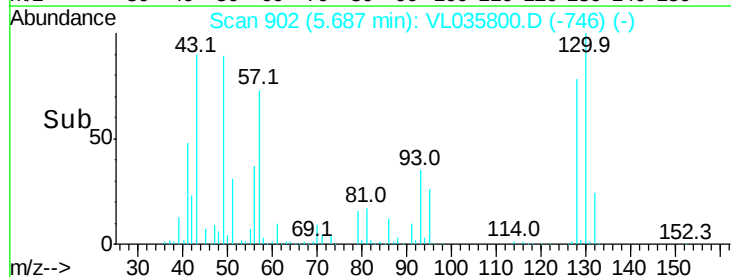
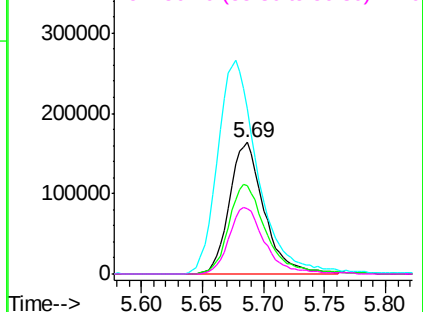
Abundance

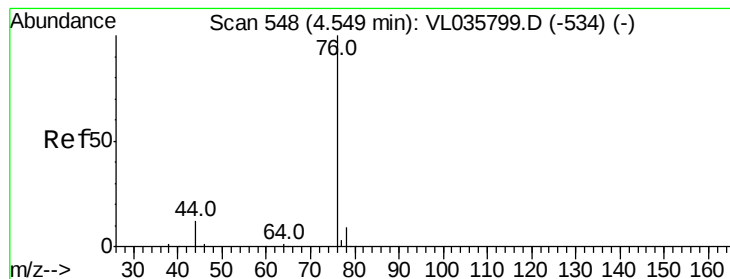
Ion 57.10 (56.80 to 57.80): VL0

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: 2.267 ppbv

RT: 4.55 min Scan# 547

Delta R.T. -0.00 min

Lab File: VL035800.D

Acq: 3 Nov 2020 11:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

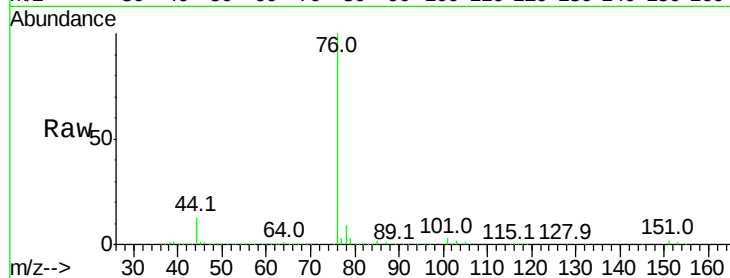
Tgt Ion: 76 Resp: 476048

Ion Ratio Lower Upper

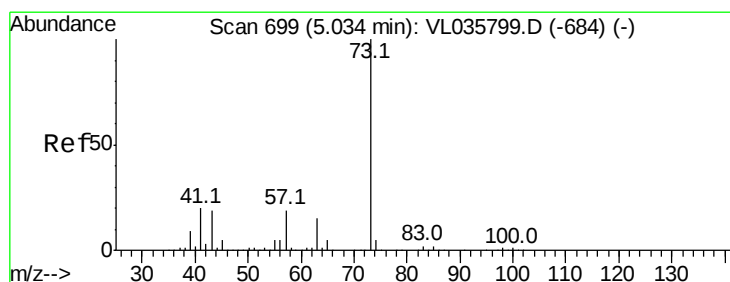
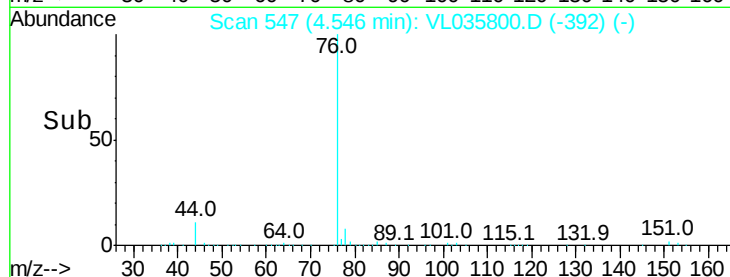
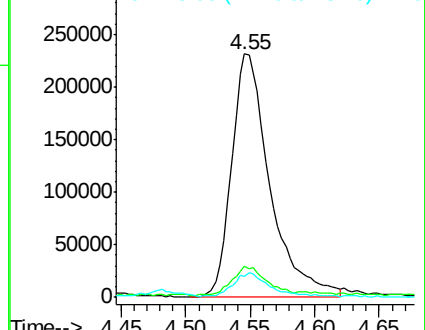
76 100

44 13.2 9.9 14.9

78 9.7 8.1 12.1



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



#28

Methyl tert-Butyl Ether

Concen: 2.560 ppbv

RT: 5.03 min Scan# 699

Delta R.T. 0.00 min

Lab File: VL035800.D

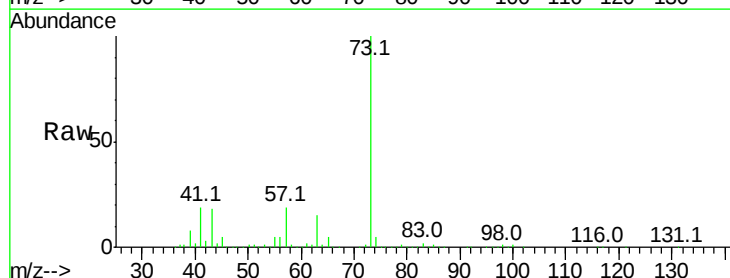
Acq: 3 Nov 2020 11:11

Tgt Ion: 73 Resp: 571613

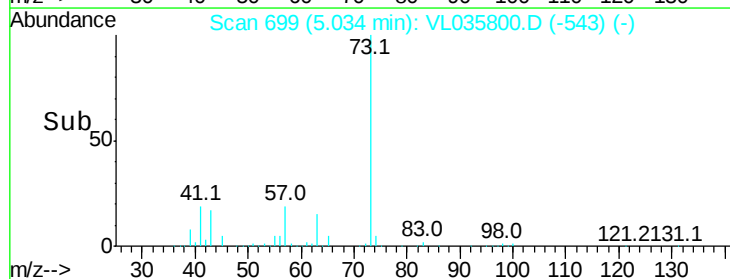
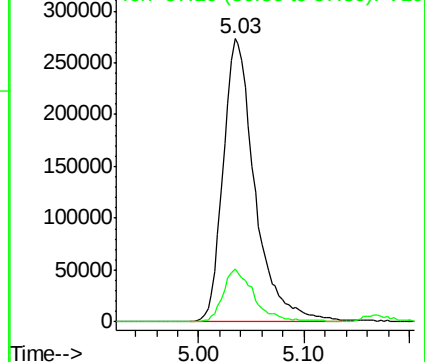
Ion Ratio Lower Upper

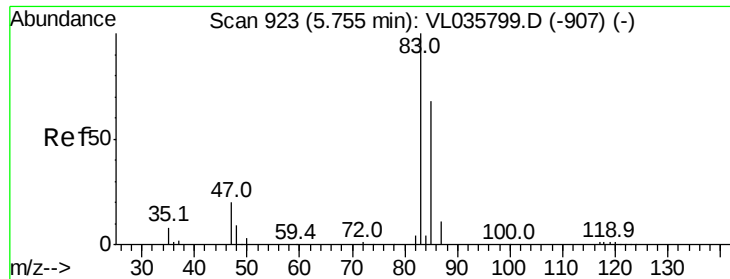
73 100

57 18.4 15.4 23.2



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

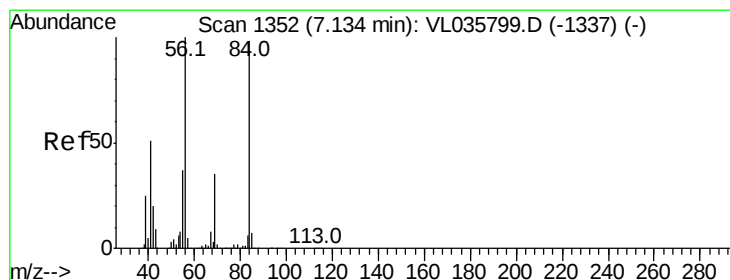
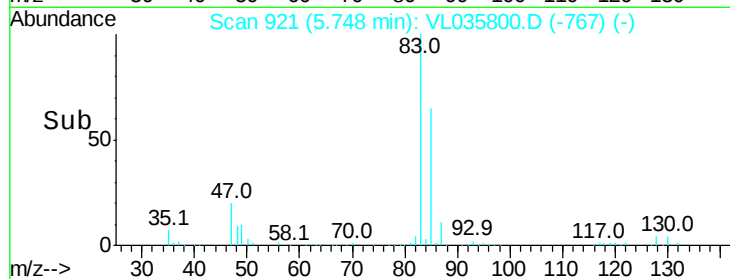
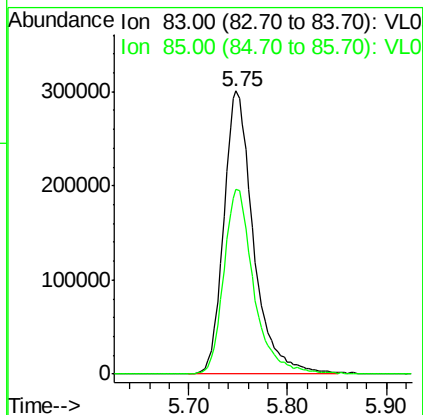
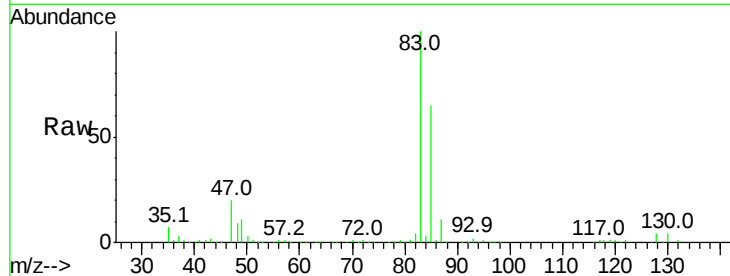




#29
Chloroform
Concen: 2.217 ppbv
RT: 5.75 min Scan# 921
Delta R.T. -0.01 min
Lab File: VL035800.D
Acq: 3 Nov 2020 11:11

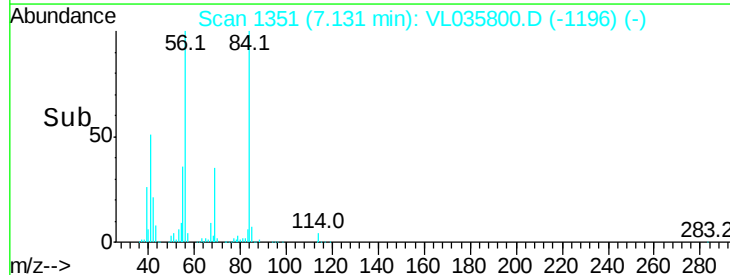
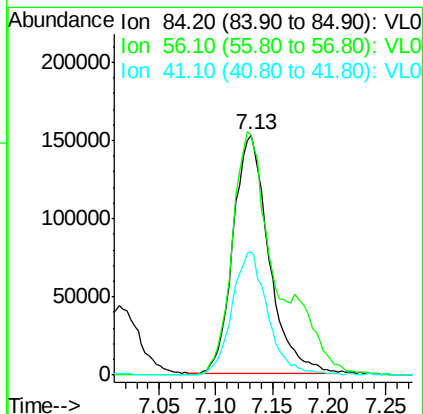
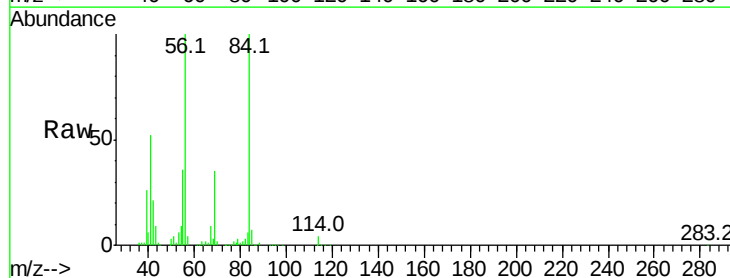
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

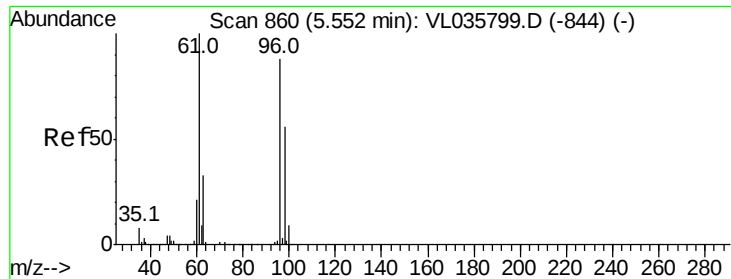
Tgt Ion: 83 Resp: 634258
Ion Ratio Lower Upper
83 100
85 65.3 54.6 81.8



#30
Cyclohexane
Concen: 2.436 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.00 min
Lab File: VL035800.D
Acq: 3 Nov 2020 11:11

Tgt Ion: 84 Resp: 338509
Ion Ratio Lower Upper
84 100
56 126.5 86.4 129.6
41 51.6 42.1 63.1



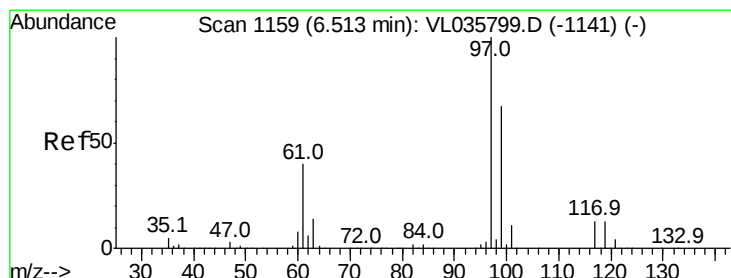
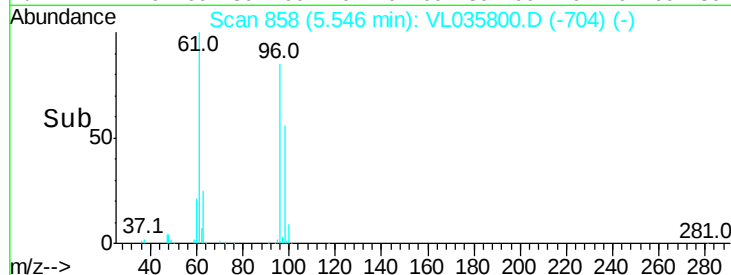
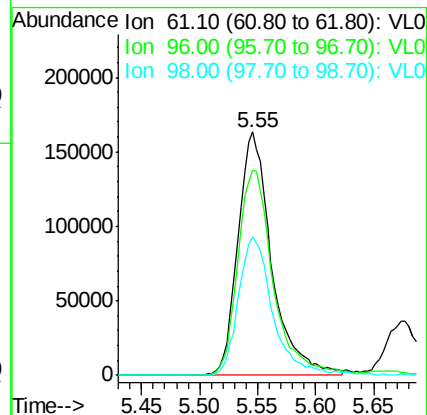
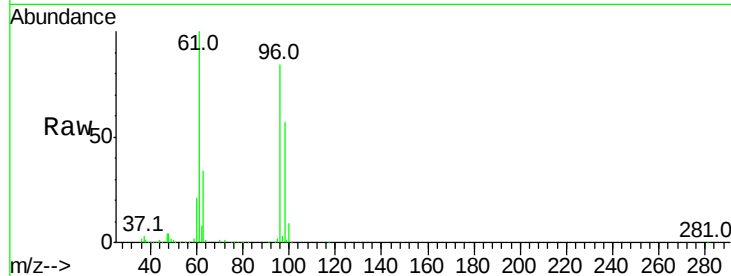


#31

cis-1,2-Dichloroethene
Concen: 2.431 ppbv
RT: 5.55 min Scan# 858
Delta R.T. -0.01 min
Lab File: VL035800.D
Acq: 3 Nov 2020 11:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

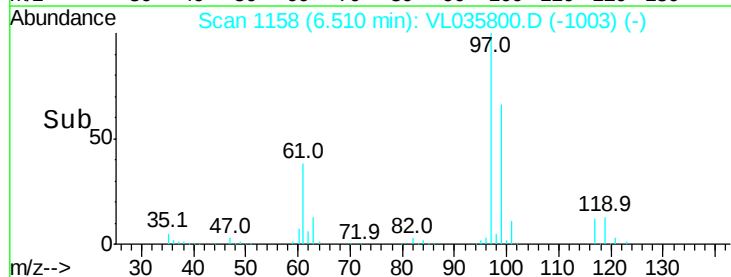
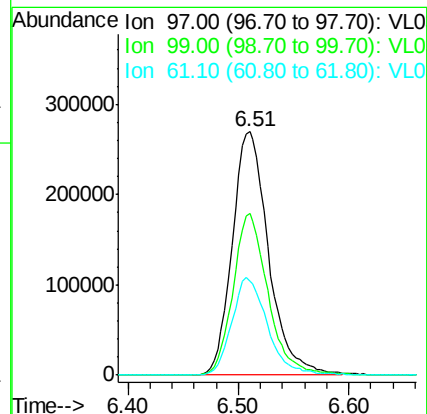
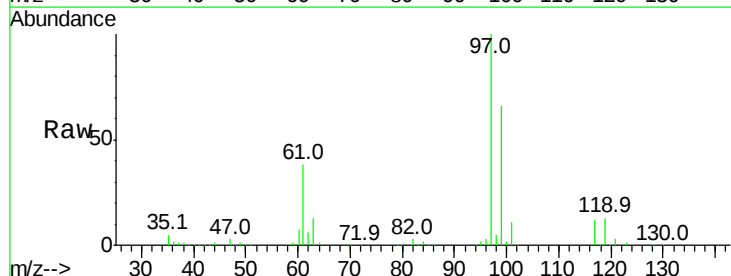
Tgt Ion: 61 Resp: 330552
Ion Ratio Lower Upper
61 100
96 84.4 70.3 105.5
98 56.9 45.0 67.6

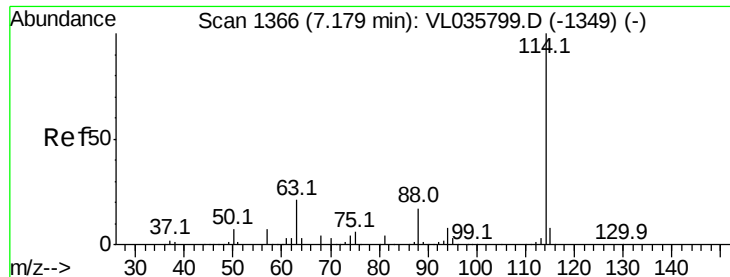


#32

1,1,1-Trichloroethane
Concen: 2.439 ppbv
RT: 6.51 min Scan# 1158
Delta R.T. -0.00 min
Lab File: VL035800.D
Acq: 3 Nov 2020 11:11

Tgt Ion: 97 Resp: 614943
Ion Ratio Lower Upper
97 100
99 64.3 52.3 78.5
61 39.7 32.0 48.0

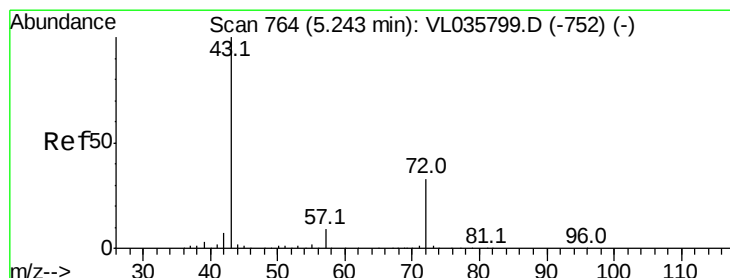
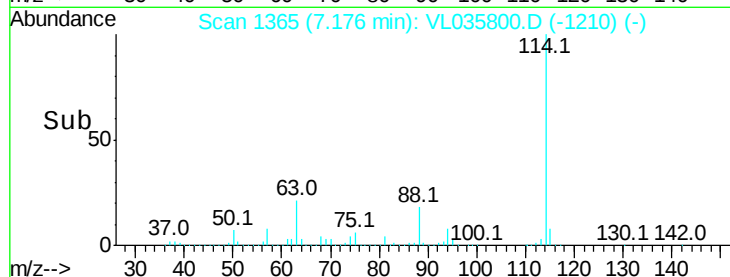
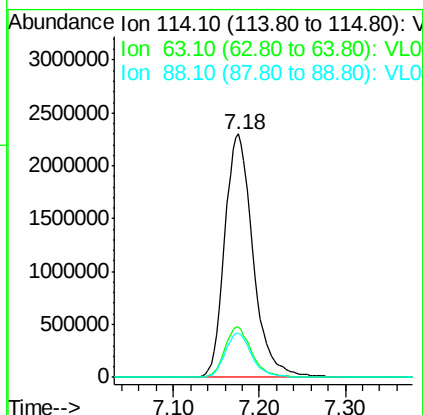
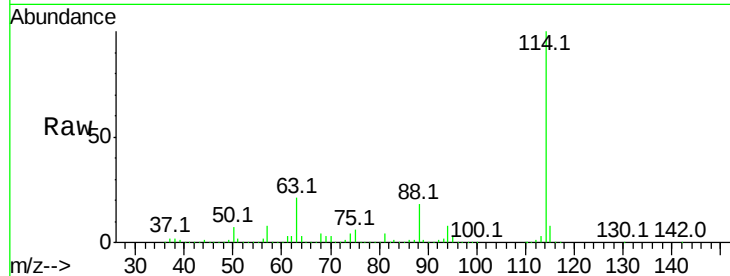




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VL035800.D
 Acq: 3 Nov 2020 11:11

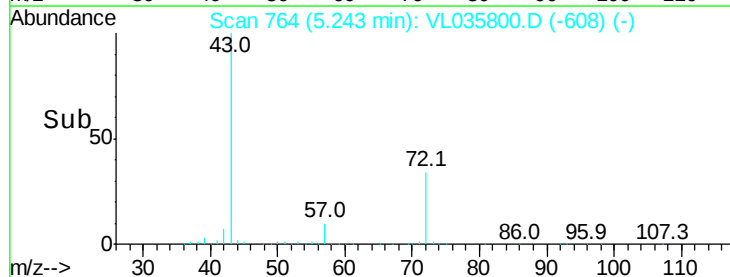
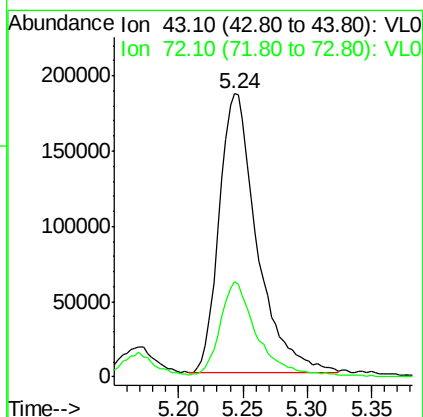
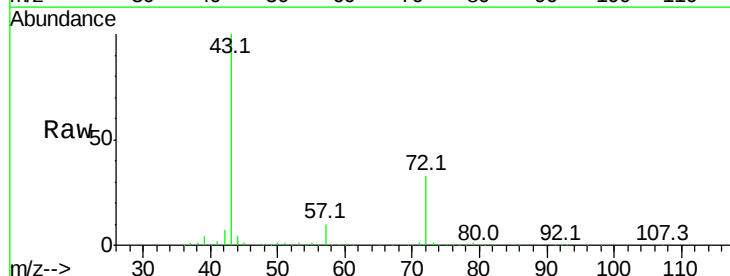
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

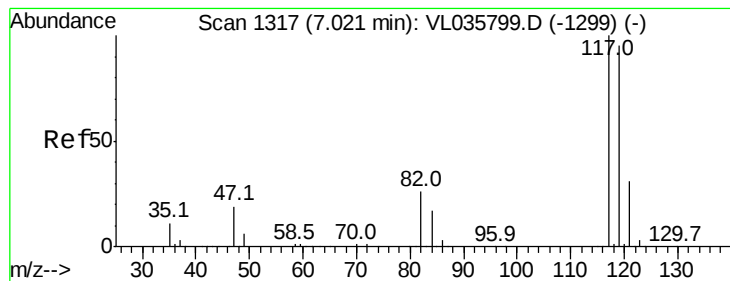
Tgt Ion:114 Resp: 5258122
 Ion Ratio Lower Upper
 114 100
 63 19.7 16.1 24.1
 88 17.3 13.7 20.5



#34
 2-Butanone
 Concen: 2.164 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. 0.00 min
 Lab File: VL035800.D
 Acq: 3 Nov 2020 11:11

Tgt Ion: 43 Resp: 376439
 Ion Ratio Lower Upper
 43 100
 72 34.6 26.5 39.7





#35

Carbon Tetrachloride

Concen: 2.183 ppbv

RT: 7.01 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VL035800.D

Acq: 3 Nov 2020 11:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

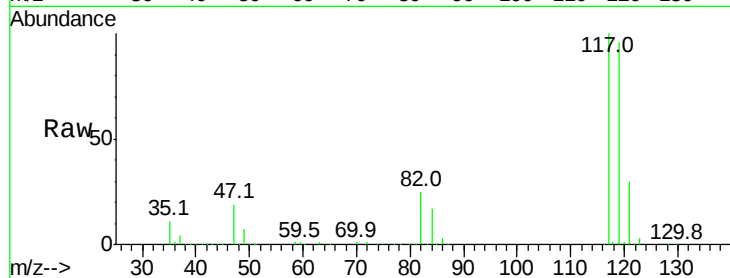
Tgt Ion:117 Resp: 598480

Ion Ratio Lower Upper

117 100

119 95.9 75.6 113.4

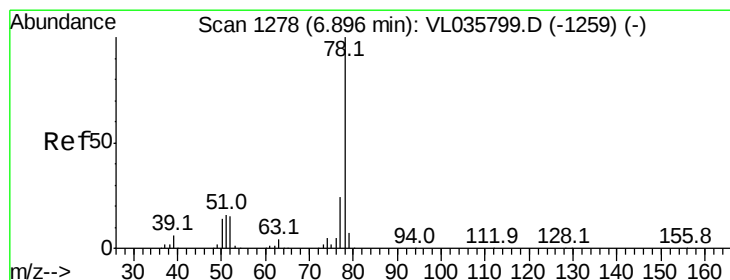
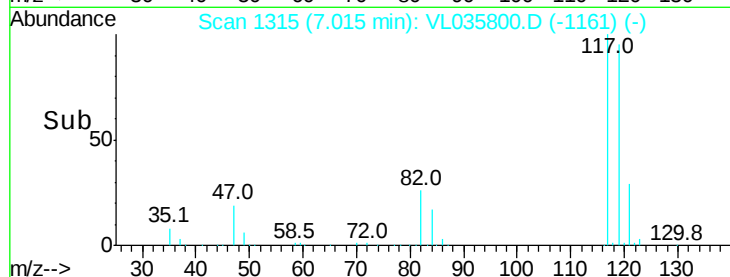
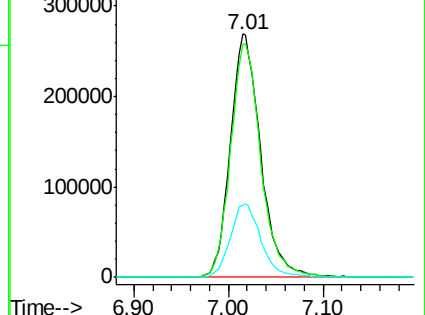
121 29.7 25.1 37.7



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: 2.450 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. -0.01 min

Lab File: VL035800.D

Acq: 3 Nov 2020 11:11

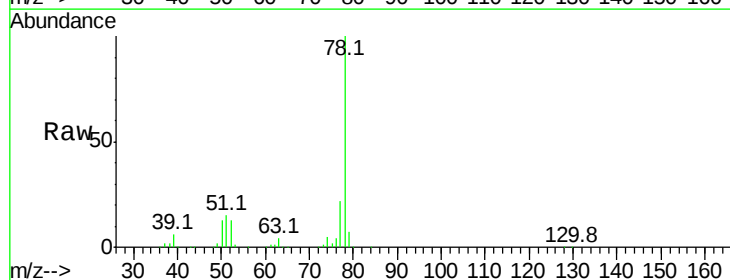
Tgt Ion: 78 Resp: 839384

Ion Ratio Lower Upper

78 100

77 22.5 19.3 28.9

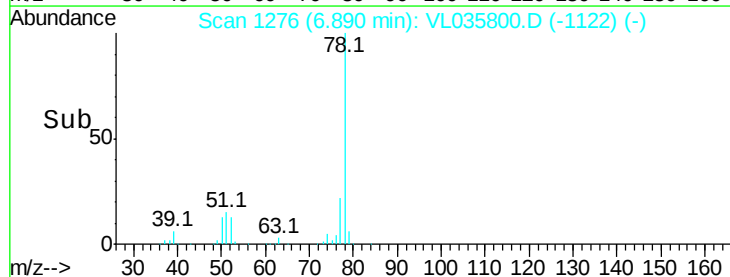
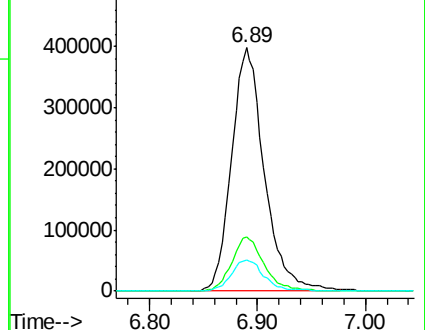
50 12.6 11.4 17.2

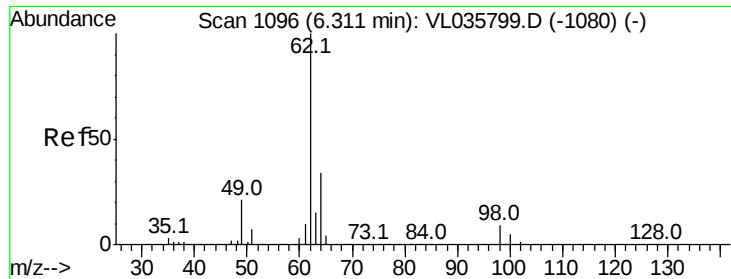


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

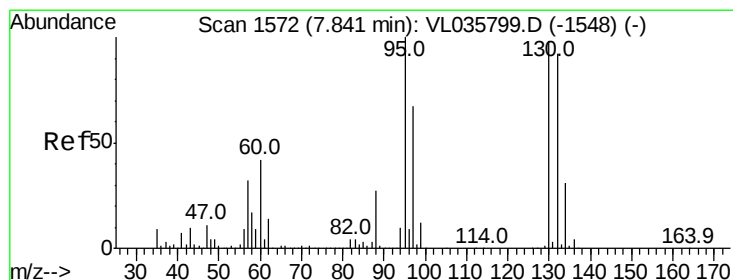
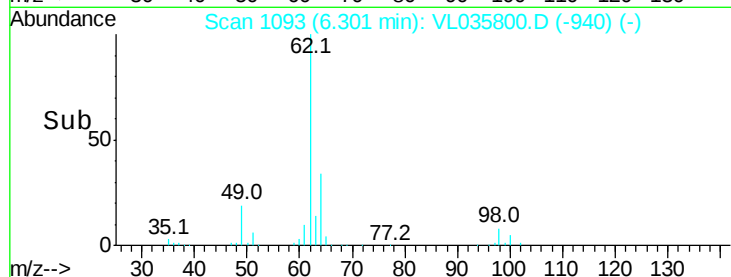
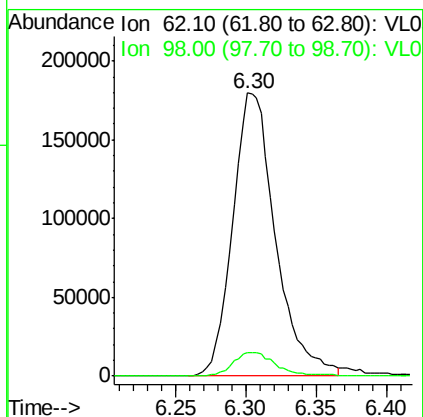
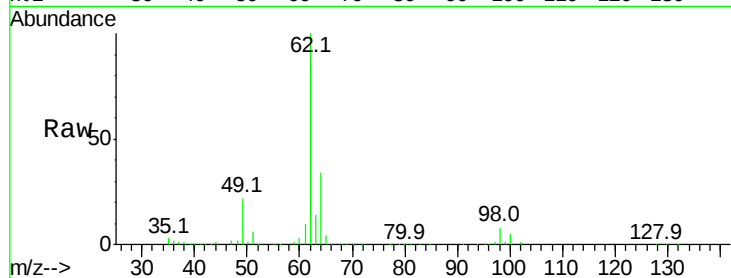




#37
 1,2-Dichloroethane
 Concen: 2.135 ppbv
 RT: 6.30 min Scan# 1093
 Delta R.T. -0.01 min
 Lab File: VL035800.D
 Acq: 3 Nov 2020 11:11

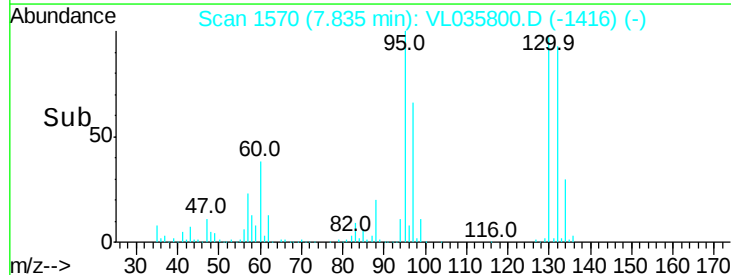
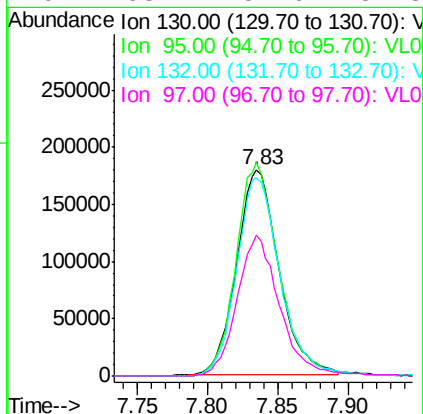
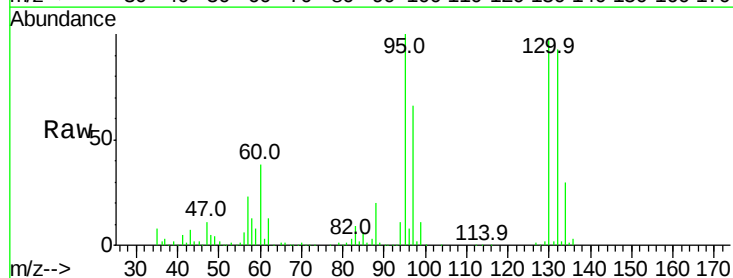
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

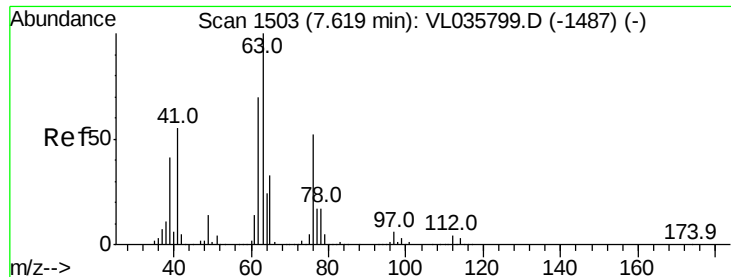
Tgt Ion: 62 Resp: 381303
 Ion Ratio Lower Upper
 62 100
 98 8.6 6.9 10.3



#38
 Trichloroethene
 Concen: 2.217 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: VL035800.D
 Acq: 3 Nov 2020 11:11

Tgt Ion: 130 Resp: 378865
 Ion Ratio Lower Upper
 130 100
 95 103.9 81.6 122.4
 132 96.7 75.1 112.7
 97 68.7 54.6 81.8

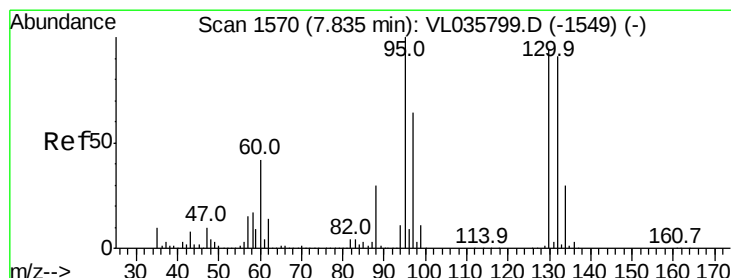
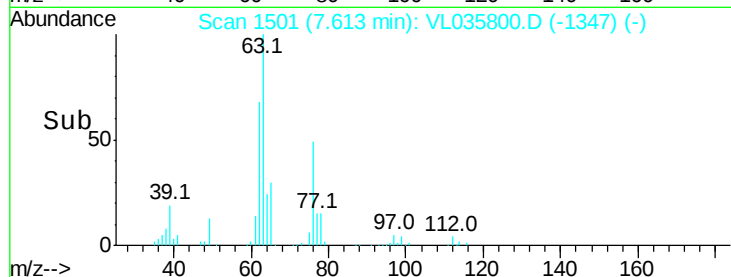
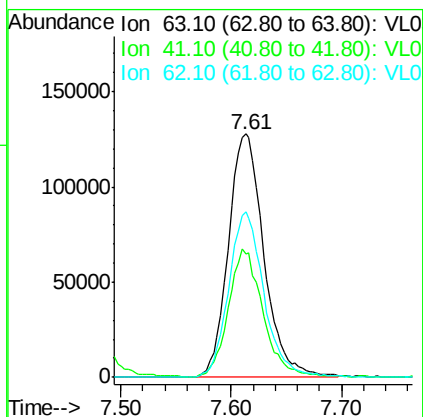
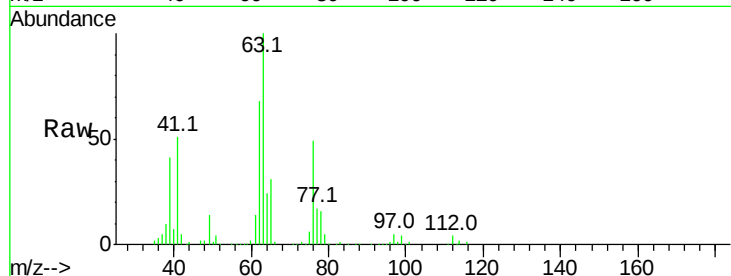




#39
 1,2-Dichloropropane
 Concen: 2.297 ppbv
 RT: 7.61 min Scan# 1501
 Delta R.T. -0.01 min
 Lab File: VL035800.D
 Acq: 3 Nov 2020 11:11

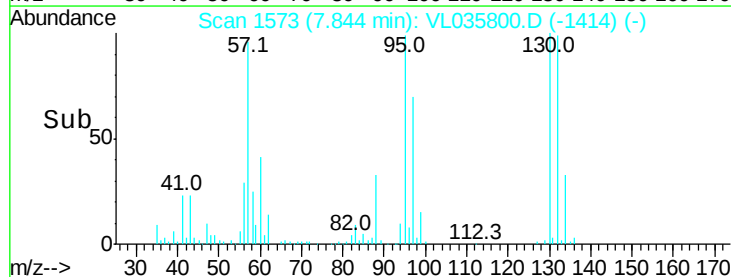
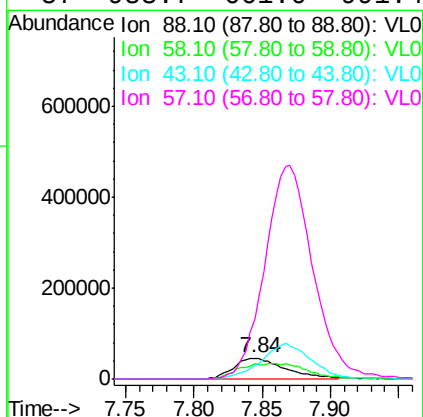
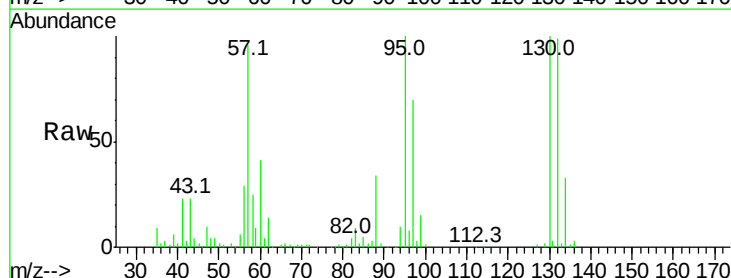
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

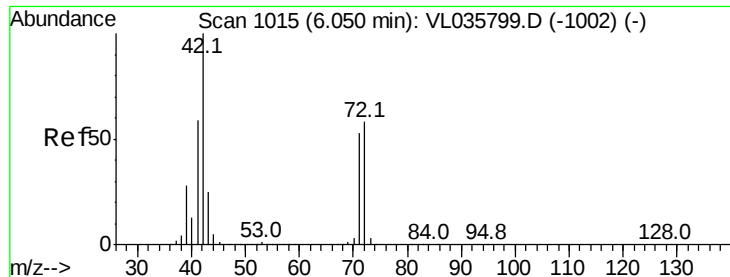
Tgt Ion: 63 Resp: 285200
 Ion Ratio Lower Upper
 63 100
 41 50.2 43.8 65.6
 62 68.1 56.2 84.2



#40
 1,4-Dioxane
 Concen: 2.079 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. 0.01 min
 Lab File: VL035800.D
 Acq: 3 Nov 2020 11:11

Tgt Ion: 88 Resp: 118088
 Ion Ratio Lower Upper
 88 100
 58 103.0 76.2 114.2
 43 171.9 123.1 184.7
 57 983.7 661.0 991.4

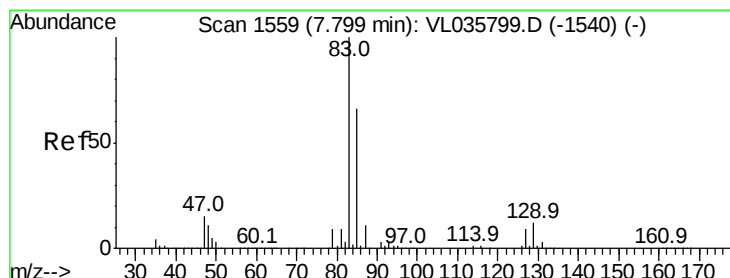
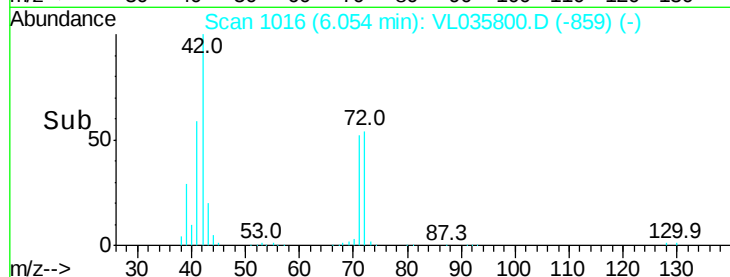
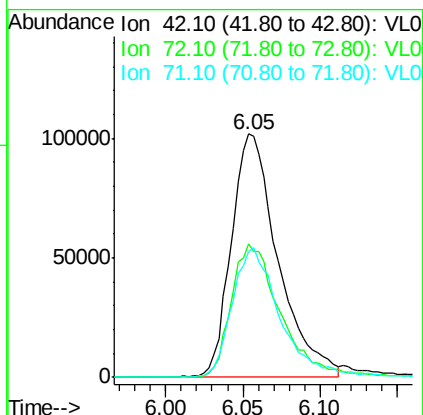
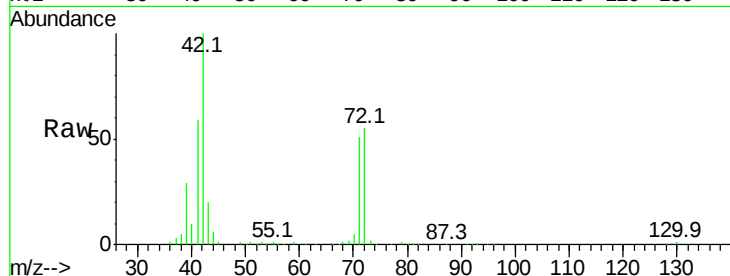




#41
Tetrahydrofuran
Concen: 2.419 ppbv
RT: 6.05 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VL035800.D
Acq: 3 Nov 2020 11:11

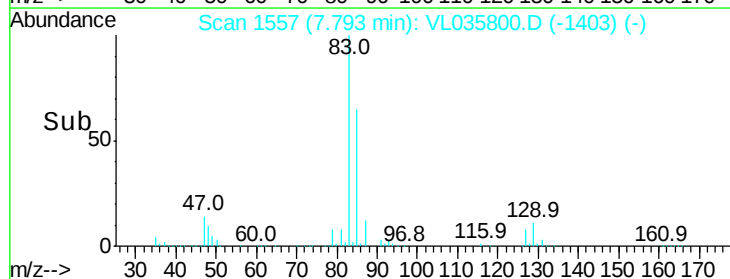
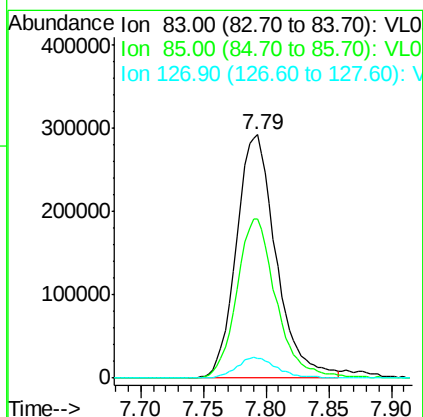
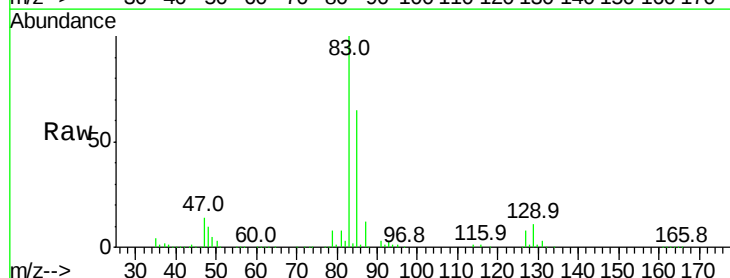
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

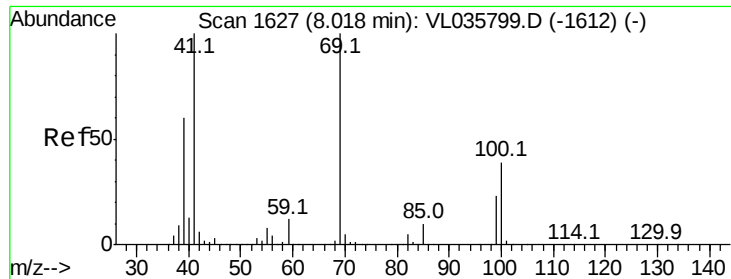
Tgt Ion: 42 Resp: 211990
Ion Ratio Lower Upper
42 100
72 58.7 45.4 68.0
71 55.7 43.4 65.2



#42
Bromodichloromethane
Concen: 2.235 ppbv
RT: 7.79 min Scan# 1557
Delta R.T. -0.01 min
Lab File: VL035800.D
Acq: 3 Nov 2020 11:11

Tgt Ion: 83 Resp: 643030
Ion Ratio Lower Upper
83 100
85 65.4 53.1 79.7
127 8.2 7.3 10.9

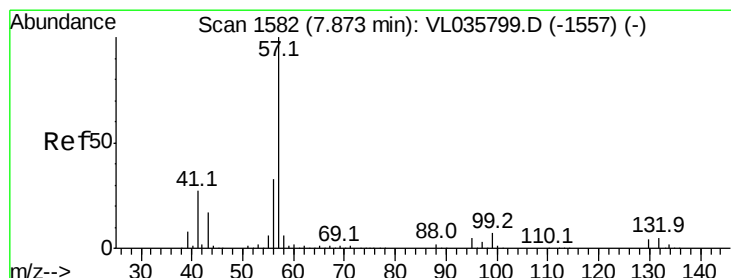
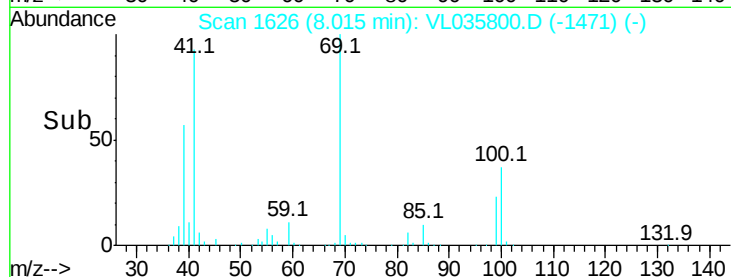
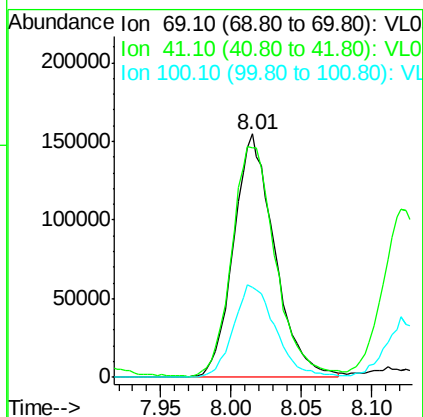
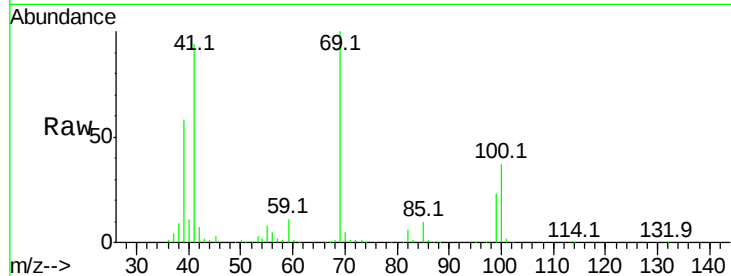




#43
Methyl Methacrylate
Concen: 2.322 ppbv
RT: 8.01 min Scan# 1626
Delta R.T. -0.00 min
Lab File: VL035800.D
Acq: 3 Nov 2020 11:11

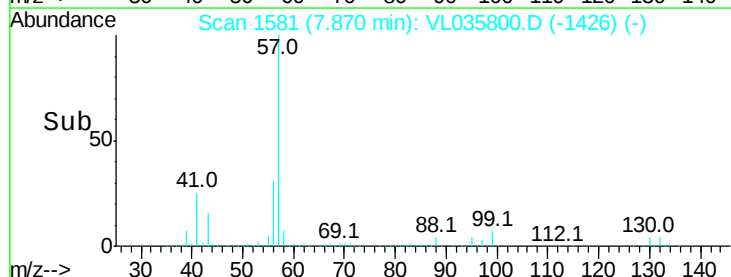
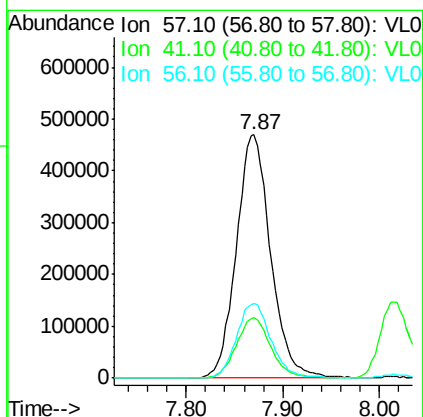
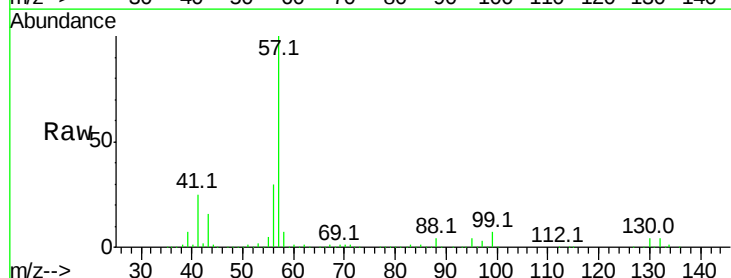
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

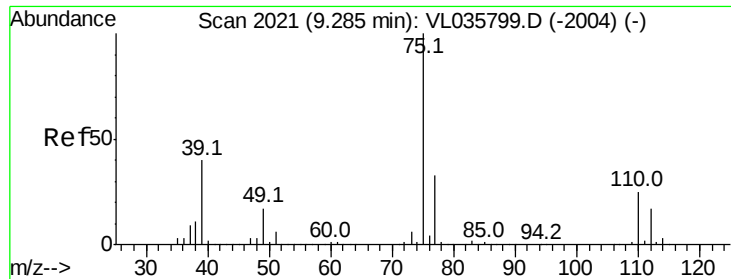
Tgt Ion: 69 Resp: 316422
Ion Ratio Lower Upper
69 100
41 100.7 81.1 121.7
100 39.0 31.0 46.4



#44
2,2,4-Trimethylpentane
Concen: 2.356 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VL035800.D
Acq: 3 Nov 2020 11:11

Tgt Ion: 57 Resp: 1158107
Ion Ratio Lower Upper
57 100
41 24.9 21.0 31.4
56 31.0 25.4 38.0





#45

t-1,3-Dichloropropene

Concen: 2.371 ppbv

RT: 9.28 min Scan# 2020

Delta R.T. -0.00 min

Lab File: VL035800.D

Acq: 3 Nov 2020 11:11

Instrument :

MSVOA_L

ClientSampleId :

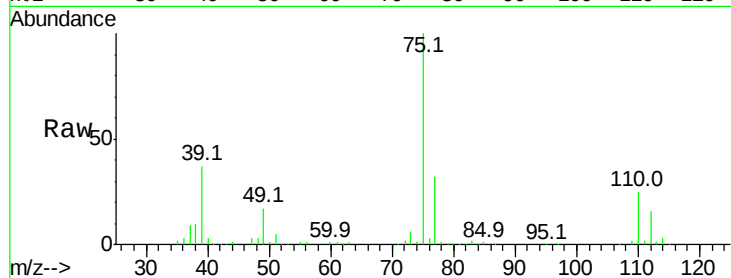
VSTDIC002

Tgt Ion: 75 Resp: 326145

Ion Ratio Lower Upper

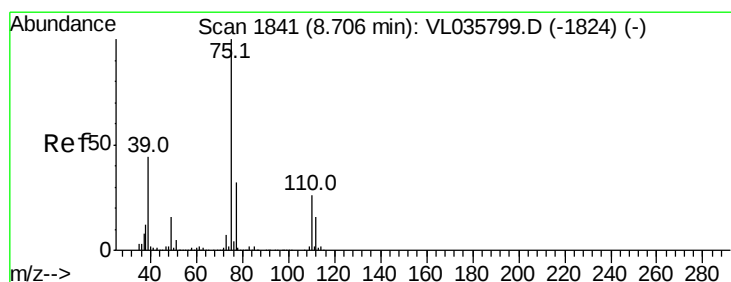
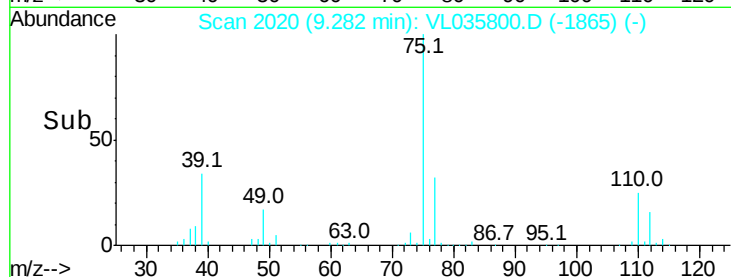
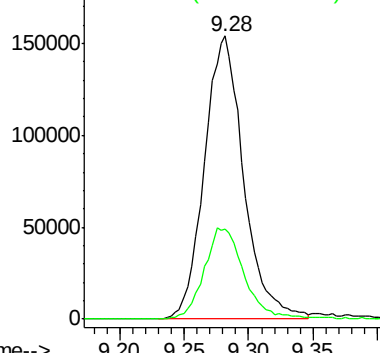
75 100

77 32.0 26.4 39.6



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: 2.486 ppbv

RT: 8.70 min Scan# 1840

Delta R.T. -0.00 min

Lab File: VL035800.D

Acq: 3 Nov 2020 11:11

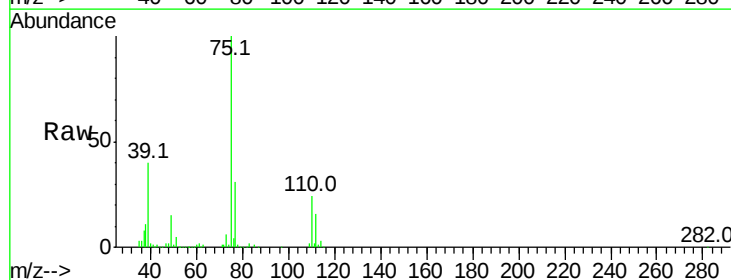
Tgt Ion: 75 Resp: 421523

Ion Ratio Lower Upper

75 100

39 39.9 35.1 52.7

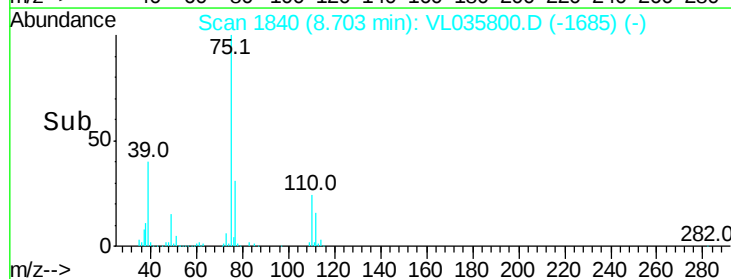
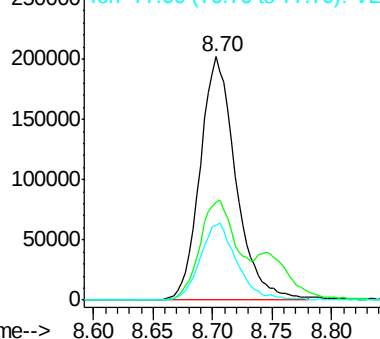
77 30.8 25.7 38.5

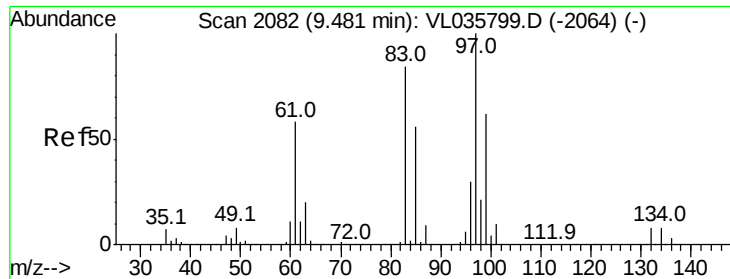


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

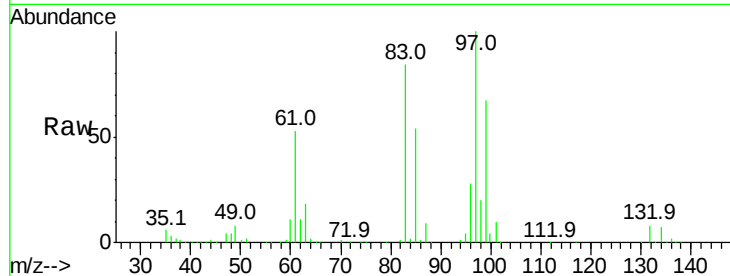




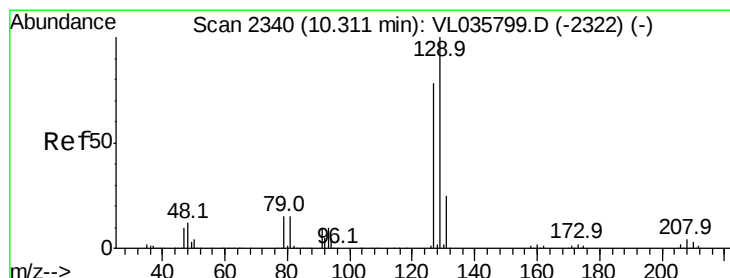
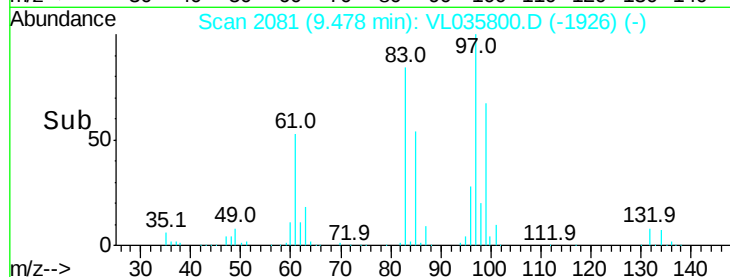
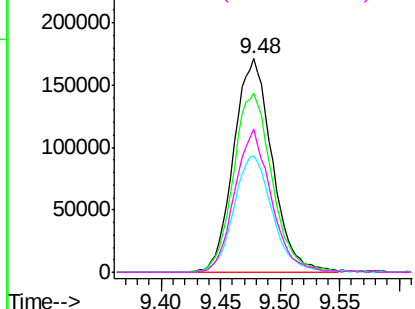
#47
 1,1,2-Trichloroethane
 Concen: 2.156 ppbv
 RT: 9.48 min Scan# 2081
 Delta R.T. -0.00 min
 Lab File: VL035800.D
 Acq: 3 Nov 2020 11:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion: 97 Resp: 383520
 Ion Ratio Lower Upper
 97 100
 83 83.9 67.1 100.7
 85 54.3 44.7 67.1
 99 67.1 49.7 74.5

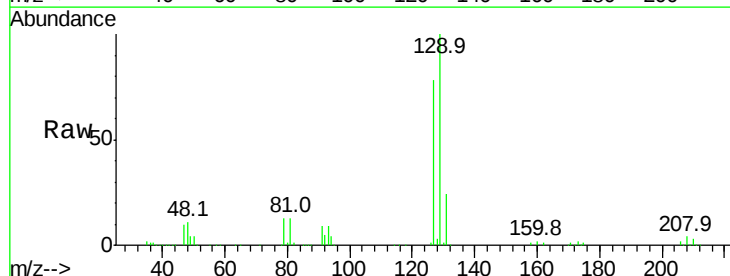


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

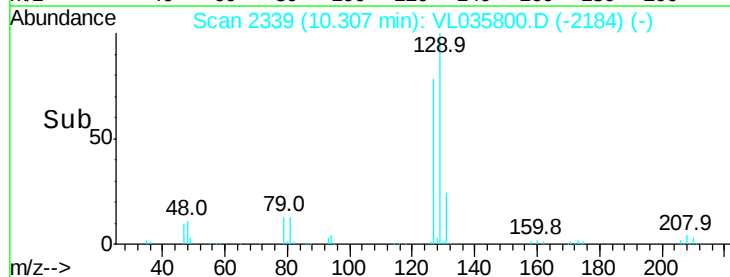
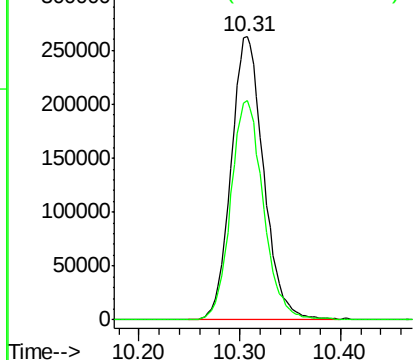


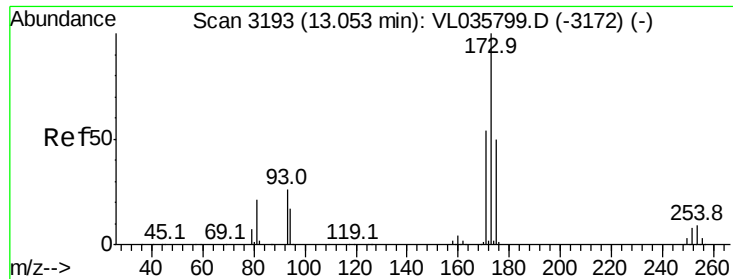
#48
 Dibromochloromethane
 Concen: 2.179 ppbv
 RT: 10.31 min Scan# 2339
 Delta R.T. -0.00 min
 Lab File: VL035800.D
 Acq: 3 Nov 2020 11:11

Tgt Ion: 129 Resp: 589911
 Ion Ratio Lower Upper
 129 100
 127 77.7 39.2 117.6



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





#49

Bromoform

Concen: 2.183 ppbv

RT: 13.05 min Scan# 3191

Delta R.T. -0.01 min

Lab File: VL035800.D

Acq: 3 Nov 2020 11:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

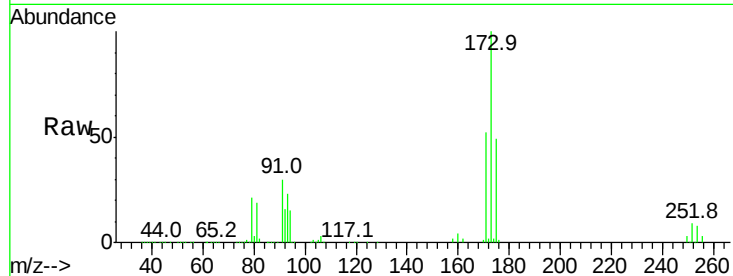
Tgt Ion:173 Resp: 501514

Ion Ratio Lower Upper

173 100

175 49.1 40.1 60.1

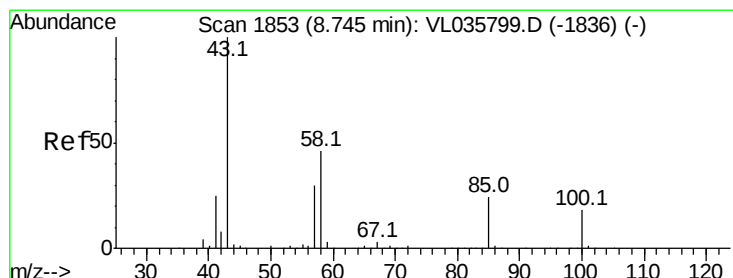
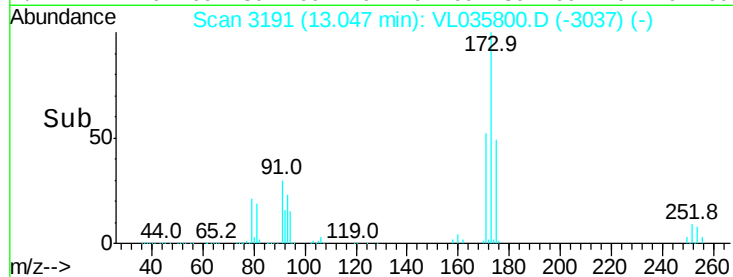
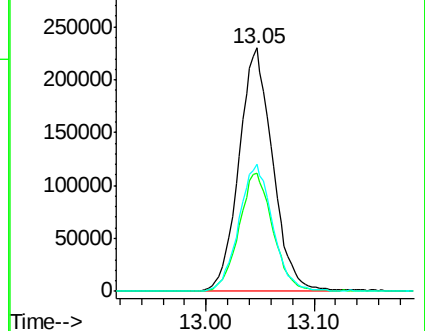
171 52.4 42.6 63.8



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 1.047 ppbv

RT: 8.74 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VL035800.D

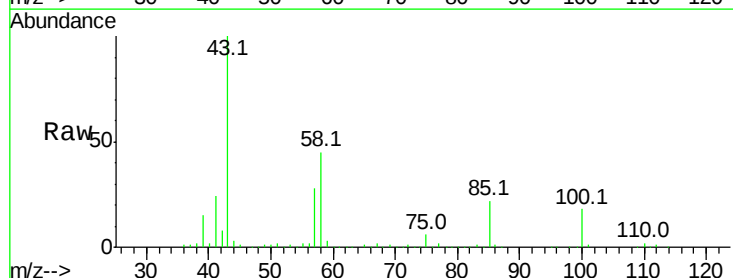
Acq: 3 Nov 2020 11:11

Tgt Ion: 43 Resp: 265945

Ion Ratio Lower Upper

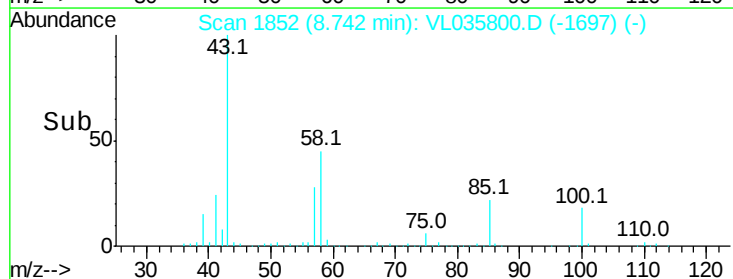
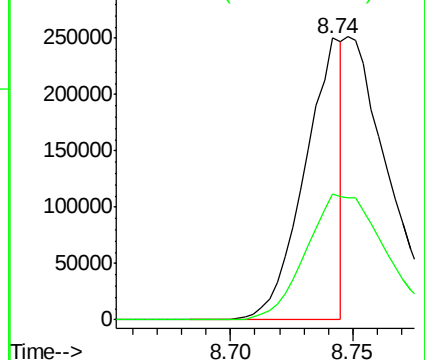
43 100

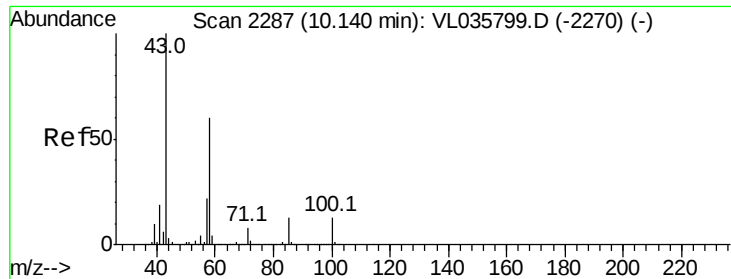
58 98.1 36.0 54.0#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

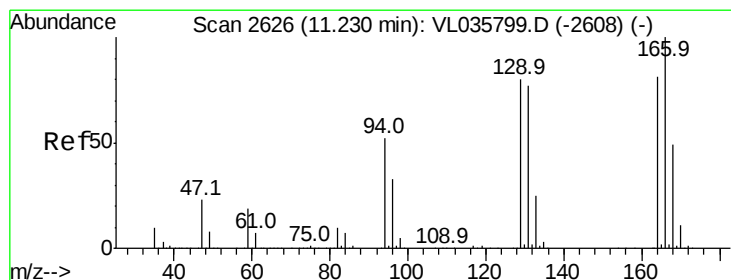
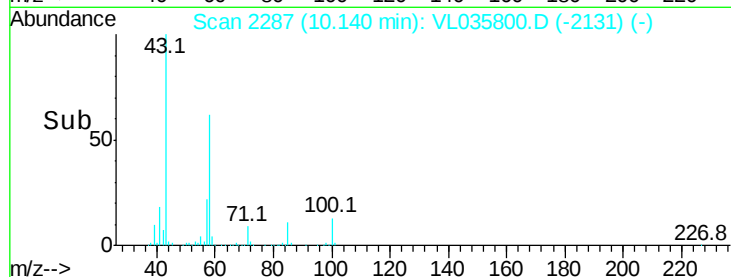
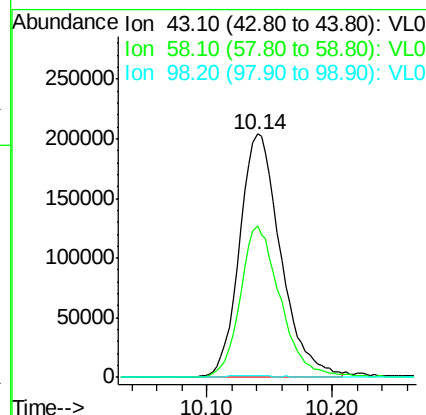
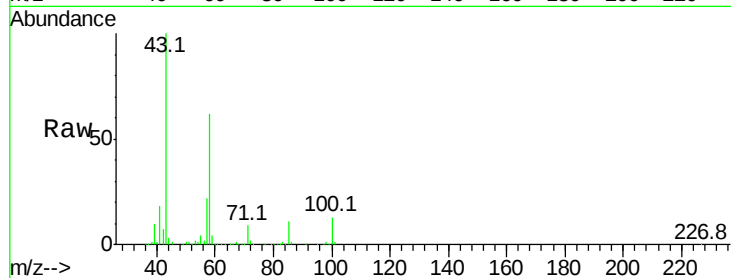




#51
2-Hexanone
Concen: 2.262 ppbv
RT: 10.14 min Scan# 2287
Delta R.T. 0.00 min
Lab File: VL035800.D
Acq: 3 Nov 2020 11:11

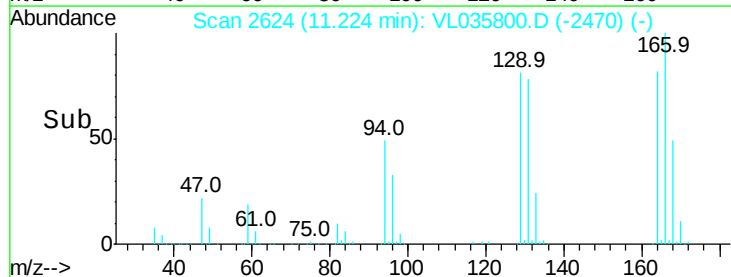
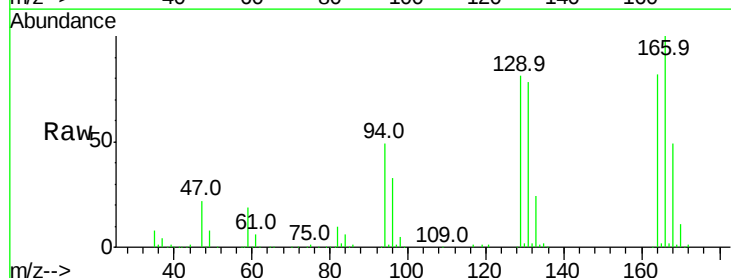
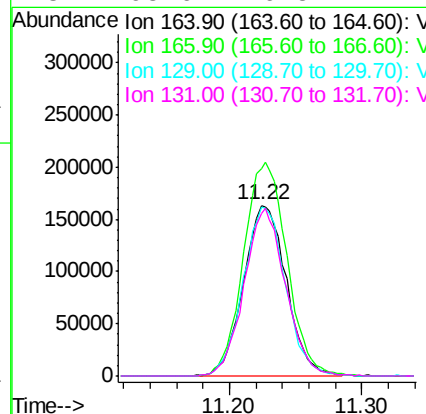
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

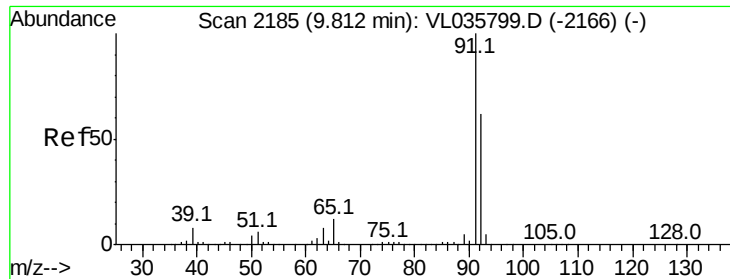
Tgt Ion: 43 Resp: 462895
Ion Ratio Lower Upper
43 100
58 61.0 48.3 72.5
98 1.0 0.6 0.8#



#52
Tetrachloroethene
Concen: 2.224 ppbv
RT: 11.22 min Scan# 2624
Delta R.T. -0.01 min
Lab File: VL035800.D
Acq: 3 Nov 2020 11:11

Tgt Ion: 164 Resp: 366379
Ion Ratio Lower Upper
164 100
166 121.9 99.3 148.9
129 99.2 79.3 118.9
131 95.6 76.5 114.7





#53

Toluene

Concen: 2.501 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. -0.00 min

Lab File: VL035800.D

Acq: 3 Nov 2020 11:11

Instrument :

MSVOA_L

ClientSampleId :

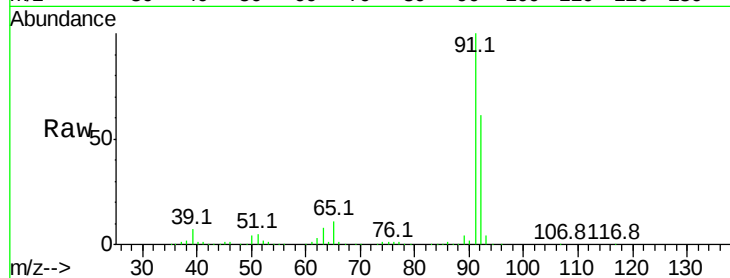
VSTDIC002

Tgt Ion: 91 Resp: 1010250

Ion Ratio Lower Upper

91 100

92 60.4 49.8 74.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

9.81

400000

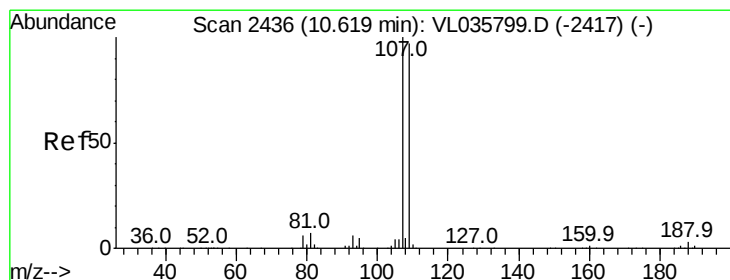
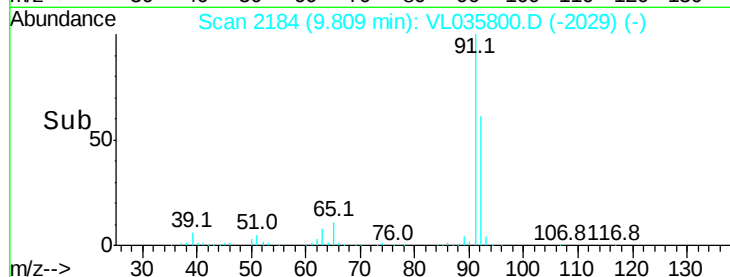
300000

200000

100000

0

Time--> 9.70 9.80 9.90



#54

1,2-Dibromoethane

Concen: 2.196 ppbv

RT: 10.61 min Scan# 2434

Delta R.T. -0.01 min

Lab File: VL035800.D

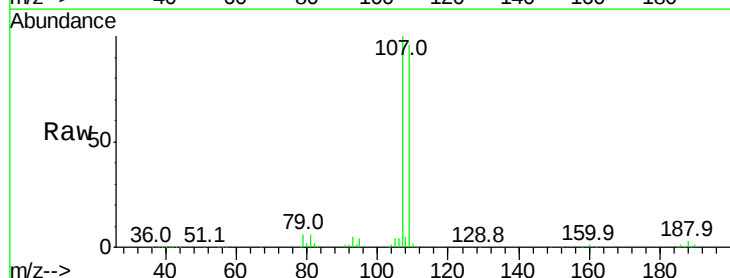
Acq: 3 Nov 2020 11:11

Tgt Ion: 107 Resp: 585002

Ion Ratio Lower Upper

107 100

109 95.7 77.2 115.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

10.61

300000

250000

200000

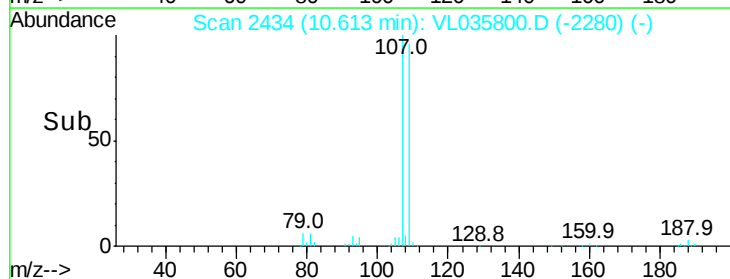
150000

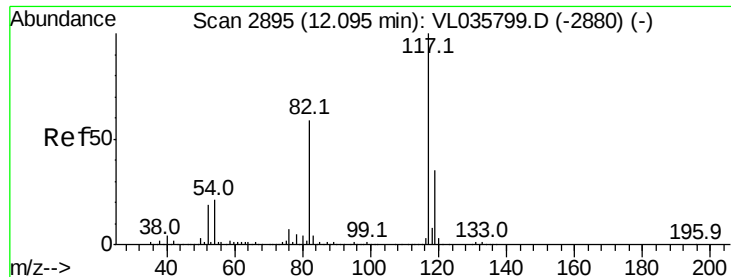
100000

50000

0

Time--> 10.50 10.60 10.70

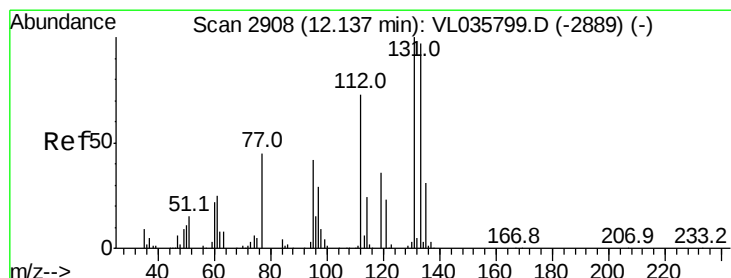
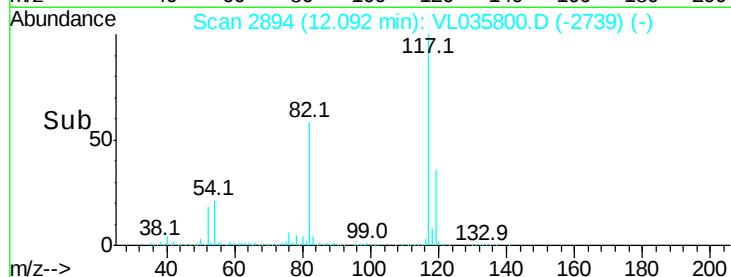
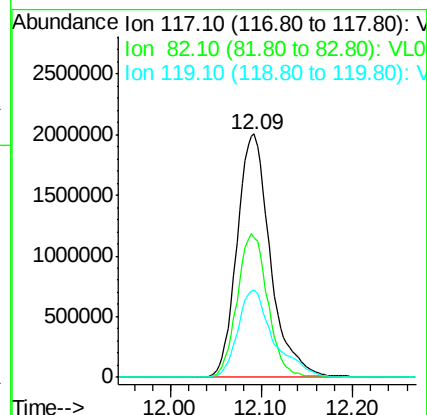
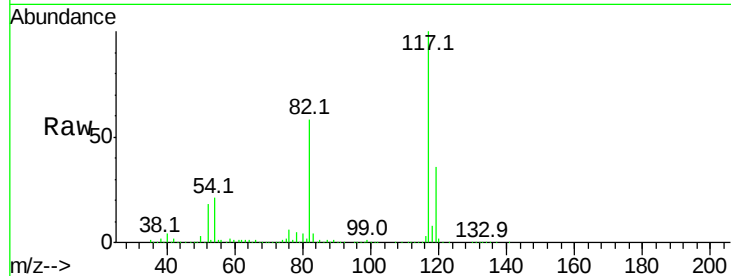




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL035800.D
Acq: 3 Nov 2020 11:11

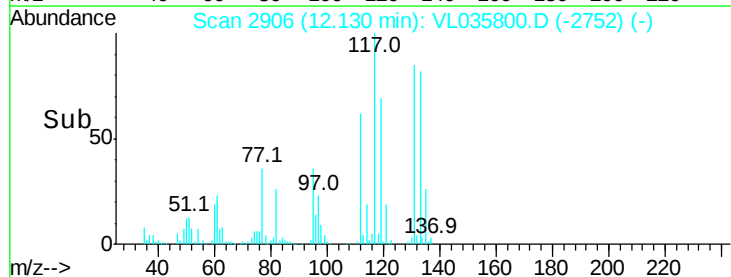
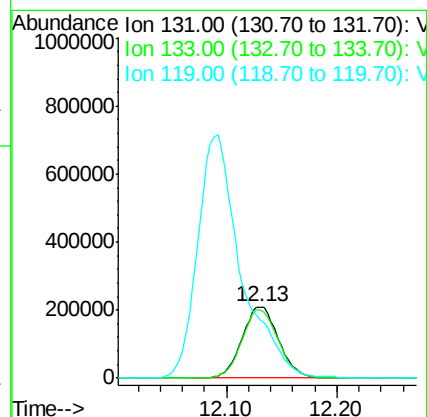
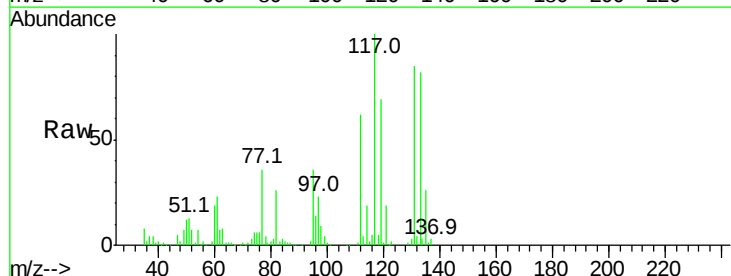
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

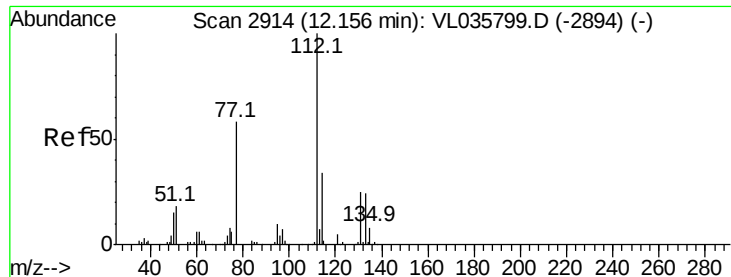
Tgt Ion:117 Resp: 5096797
Ion Ratio Lower Upper
117 100
82 54.5 50.6 76.0
119 38.7 52.6 78.8#



#56
1,1,1,2-Tetrachloroethane
Concen: 2.248 ppbv
RT: 12.13 min Scan# 2906
Delta R.T. -0.01 min
Lab File: VL035800.D
Acq: 3 Nov 2020 11:11

Tgt Ion:131 Resp: 480412
Ion Ratio Lower Upper
131 100
133 96.2 76.8 115.2
119 410.2 47.4 71.0#





#57

Chlorobenzene

Concen: 2.207 ppbv

RT: 12.15 min Scan# 2912

Delta R.T. -0.01 min

Lab File: VL035800.D

Acq: 3 Nov 2020 11:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

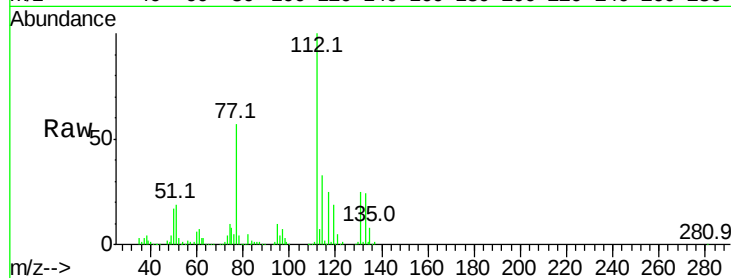
Tgt Ion: 112 Resp: 849713

Ion Ratio Lower Upper

112 100

77 56.6 47.5 71.3

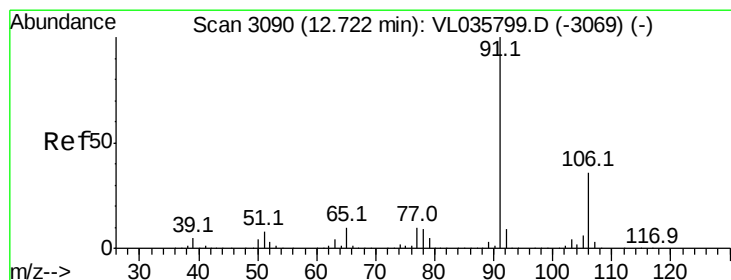
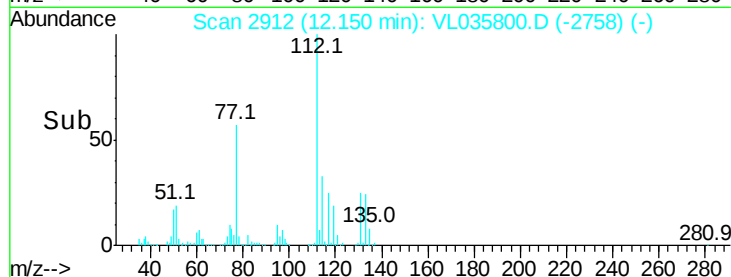
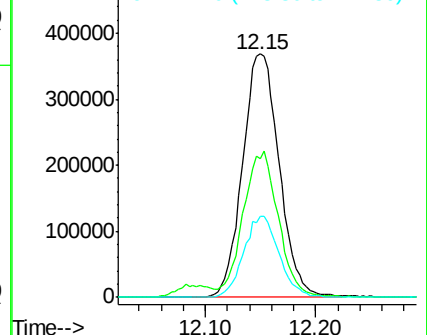
114 33.4 30.3 37.1



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: 2.584 ppbv

RT: 12.72 min Scan# 3088

Delta R.T. -0.01 min

Lab File: VL035800.D

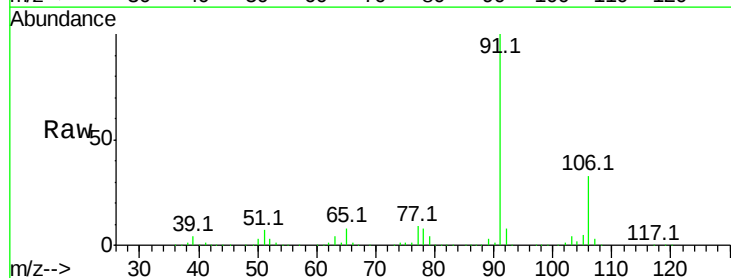
Acq: 3 Nov 2020 11:11

Tgt Ion: 91 Resp: 1321995

Ion Ratio Lower Upper

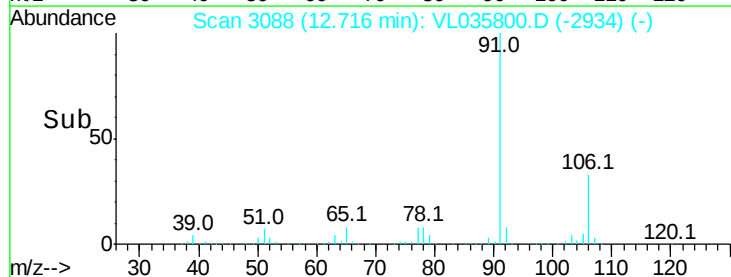
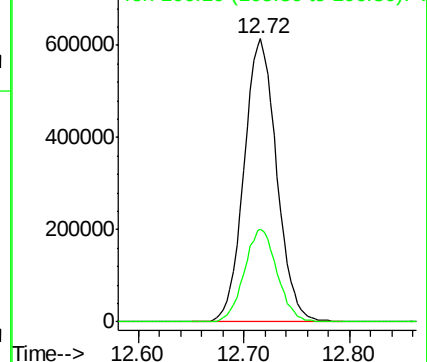
91 100

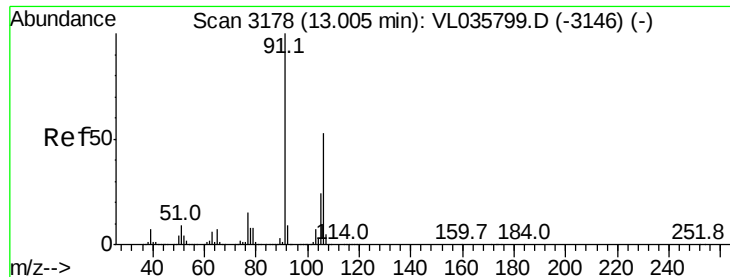
106 32.7 28.6 43.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

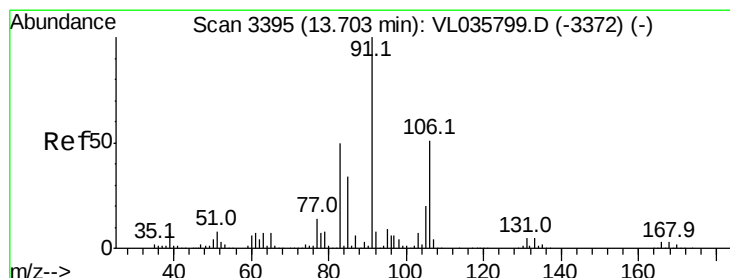
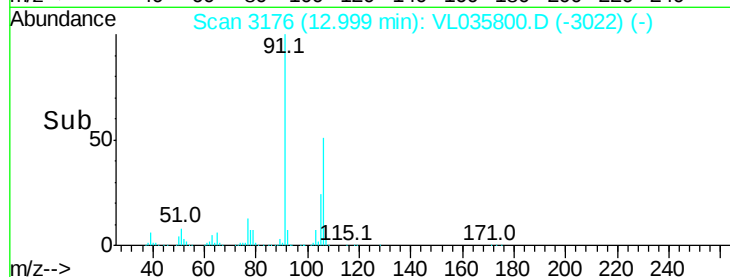
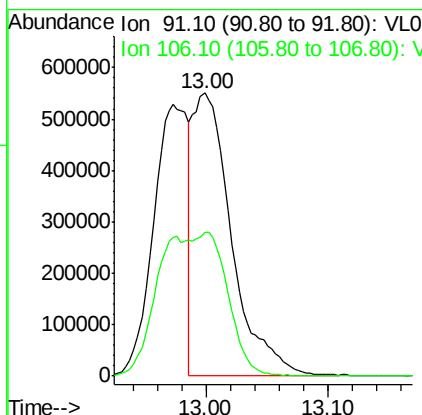
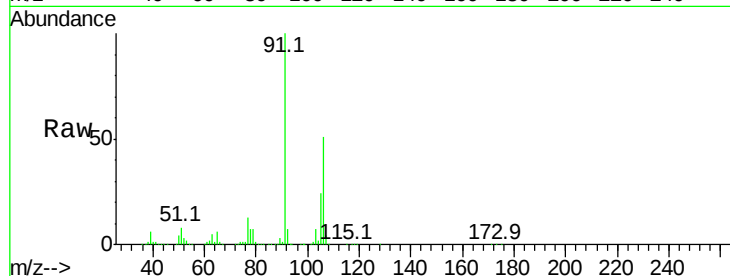




#59
m/p-Xylene
Concen: 2.693 ppbv
RT: 13.00 min Scan# 3176
Delta R.T. -0.01 min
Lab File: VL035800.D
Acq: 3 Nov 2020 11:11

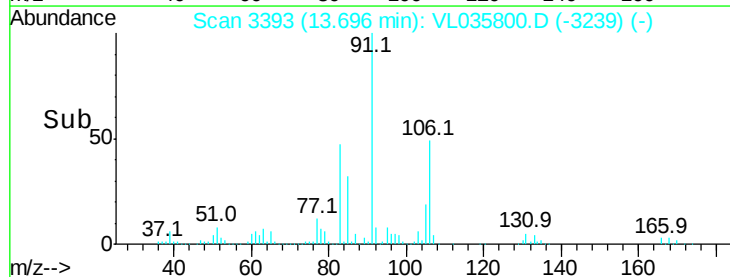
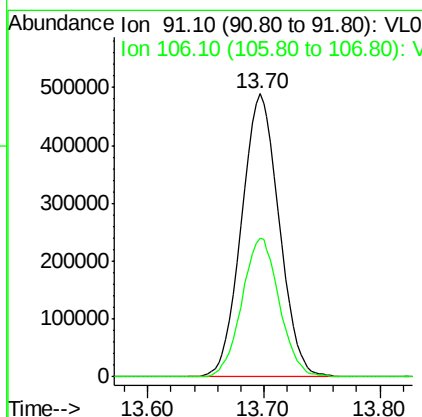
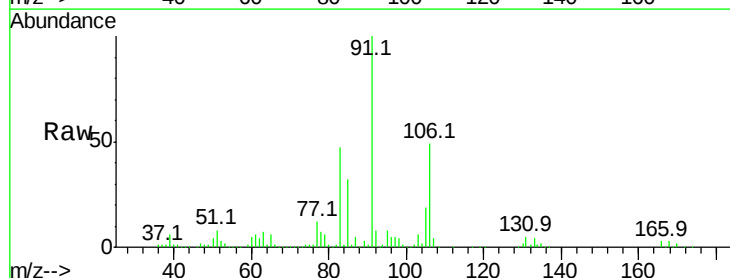
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

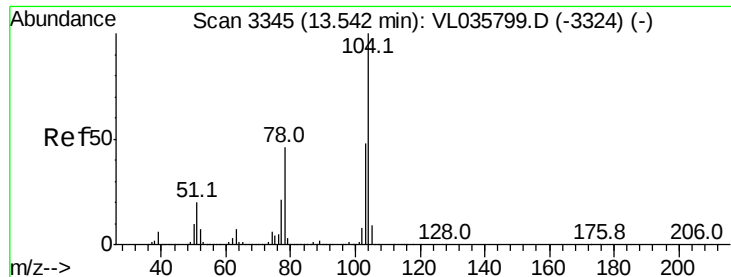
Tgt Ion: 91 Resp: 1203124
Ion Ratio Lower Upper
91 100
106 91.3 39.5 59.3#



#60
o-Xylene
Concen: 2.433 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. -0.01 min
Lab File: VL035800.D
Acq: 3 Nov 2020 11:11

Tgt Ion: 91 Resp: 1099386
Ion Ratio Lower Upper
91 100
106 49.2 24.8 74.4





#61

Styrene

Concen: 2.481 ppbv

RT: 13.54 min Scan# 3343

Delta R.T. -0.01 min

Lab File: VL035800.D

Acq: 3 Nov 2020 11:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

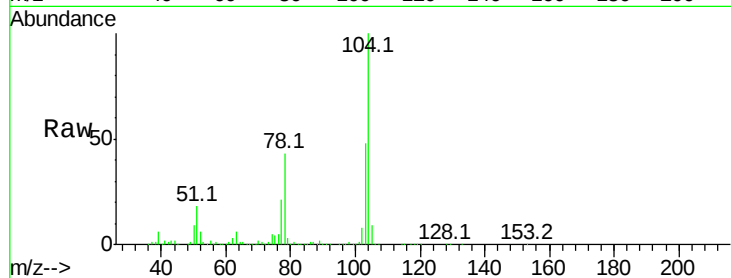
Tgt Ion:104 Resp: 775304

Ion Ratio Lower Upper

104 100

78 43.8 37.1 55.7

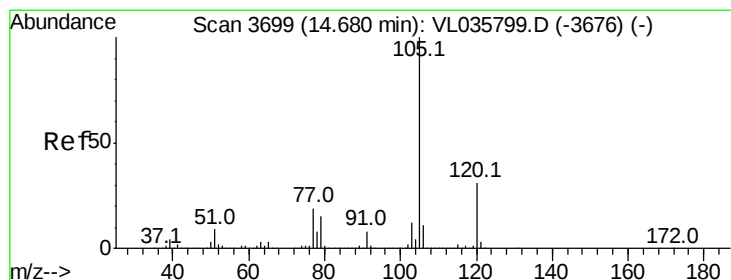
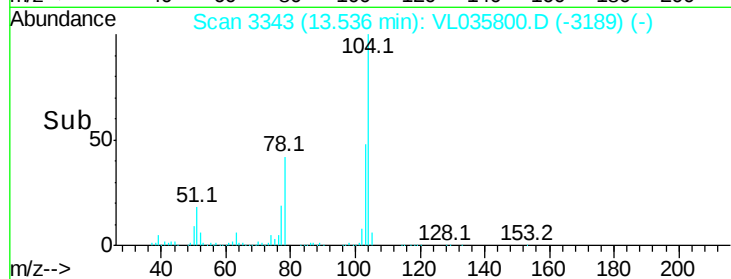
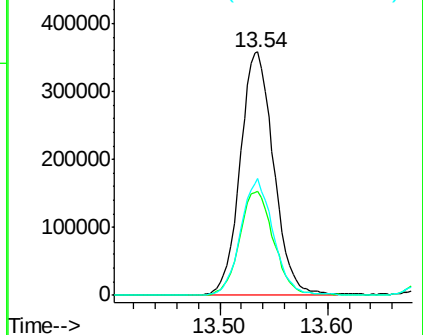
103 46.7 37.9 56.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): V

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 2.469 ppbv

RT: 14.68 min Scan# 3698

Delta R.T. -0.00 min

Lab File: VL035800.D

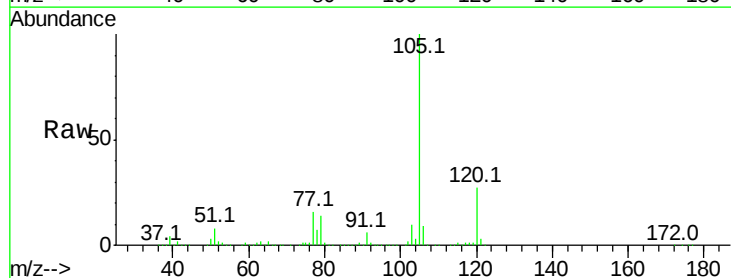
Acq: 3 Nov 2020 11:11

Tgt Ion:105 Resp: 1730839

Ion Ratio Lower Upper

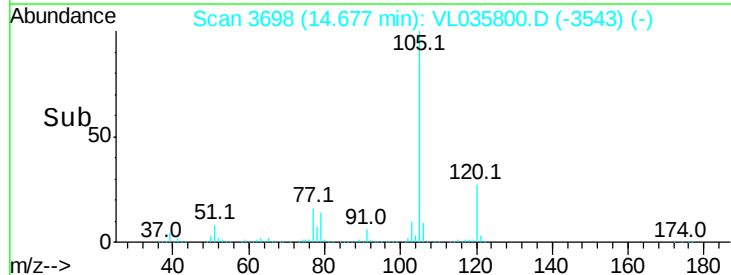
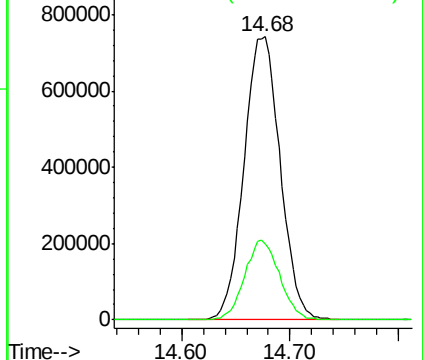
105 100

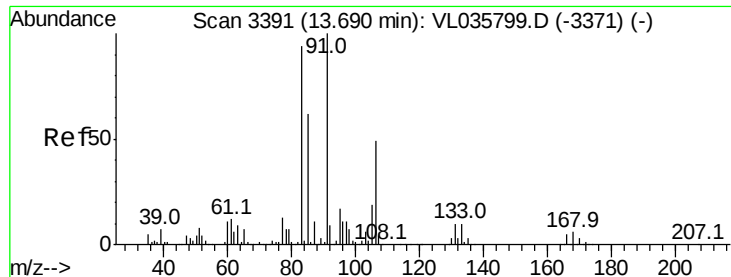
120 27.3 23.5 35.3



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

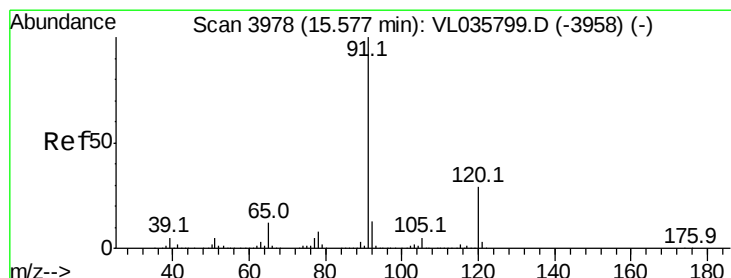
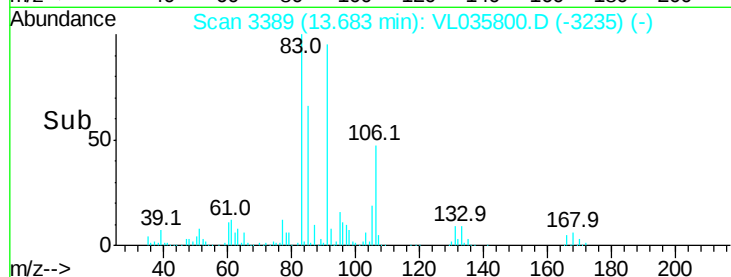
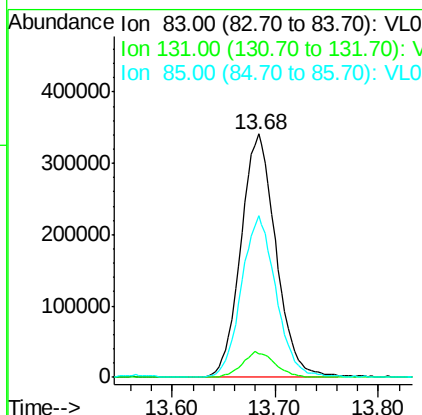
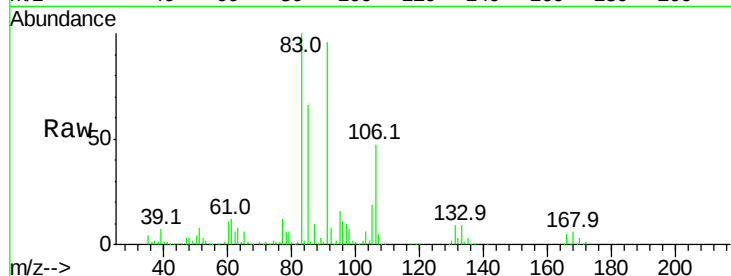




#63
 1,1,2,2-Tetrachloroethane
 Concen: 2.171 ppbv
 RT: 13.68 min Scan# 3389
 Delta R.T. -0.01 min
 Lab File: VL035800.D
 Acq: 3 Nov 2020 11:11

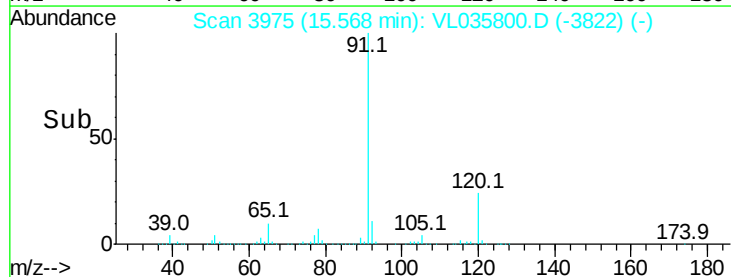
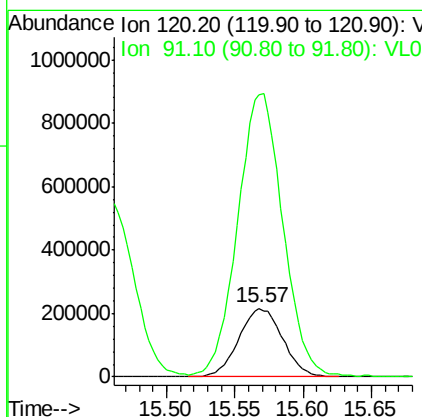
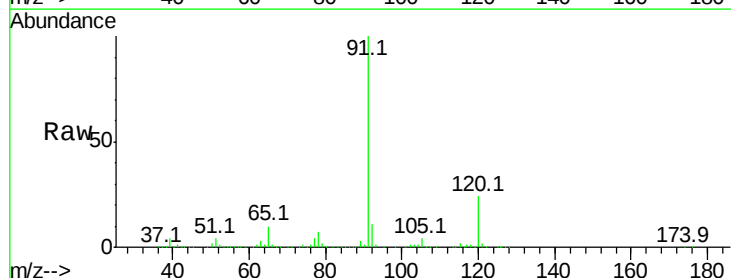
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

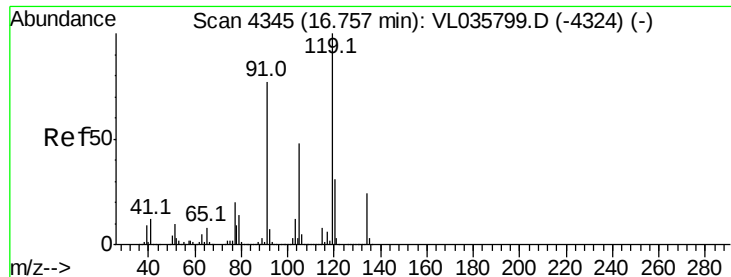
Tgt Ion: 83 Resp: 804543
 Ion Ratio Lower Upper
 83 100
 131 10.0 5.3 15.8
 85 65.9 33.5 100.4



#64
 n-propylbenzene
 Concen: 2.350 ppbv
 RT: 15.57 min Scan# 3975
 Delta R.T. -0.01 min
 Lab File: VL035800.D
 Acq: 3 Nov 2020 11:11

Tgt Ion: 120 Resp: 482086
 Ion Ratio Lower Upper
 120 100
 91 428.1 311.1 466.7





#65

tert-Butylbenzene

Concen: 2.505 ppbv

RT: 16.75 min Scan# 4343

Delta R.T. -0.01 min

Lab File: VL035800.D

Acq: 3 Nov 2020 11:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

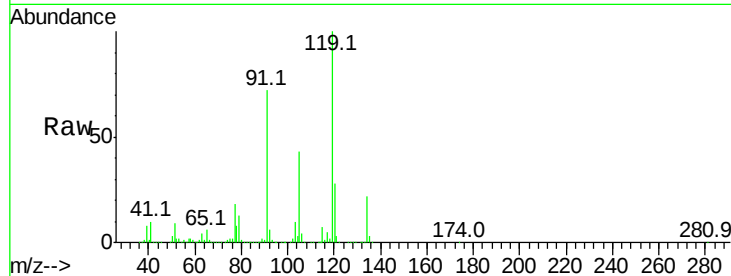
Tgt Ion:119 Resp: 1596535

Ion Ratio Lower Upper

119 100

91 72.8 62.0 93.0

134 21.0 17.8 26.8



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V

800000

600000

400000

200000

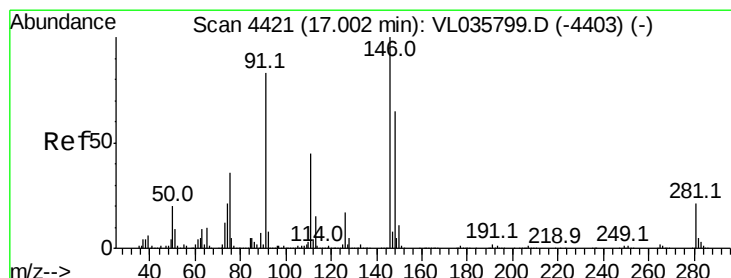
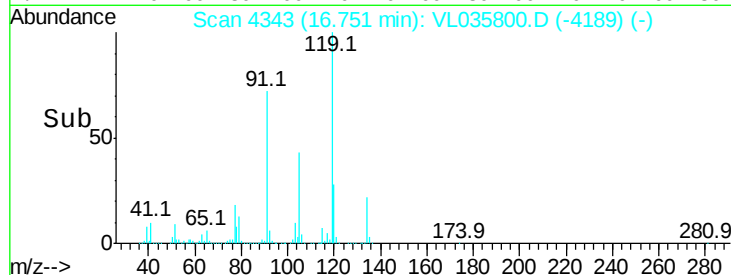
0

16.75

16.70

16.80

Time-->



#66

Benzyl Chloride

Concen: 2.404 ppbv

RT: 17.00 min Scan# 4419

Delta R.T. -0.01 min

Lab File: VL035800.D

Acq: 3 Nov 2020 11:11

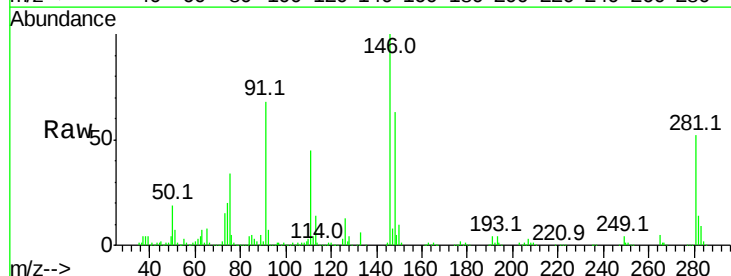
Tgt Ion: 91 Resp: 464113

Ion Ratio Lower Upper

91 100

126 19.9 16.0 24.0

128 6.3 5.0 7.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

250000

200000

150000

100000

50000

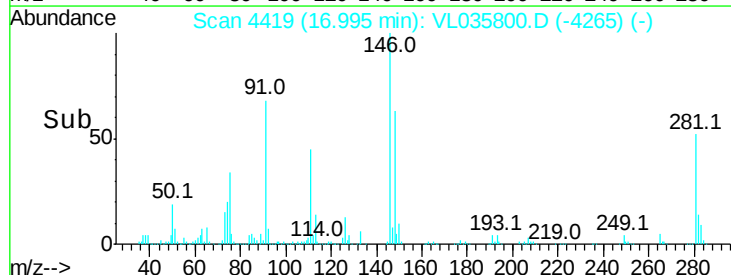
0

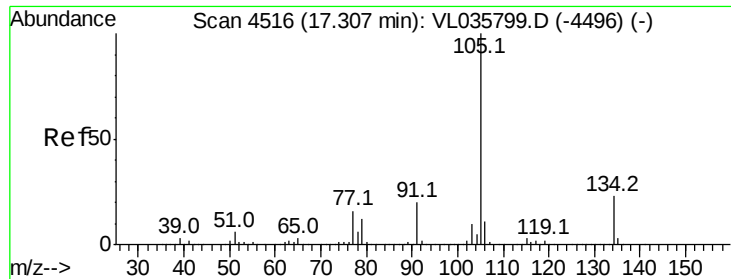
17.00

16.90

17.00

Time-->

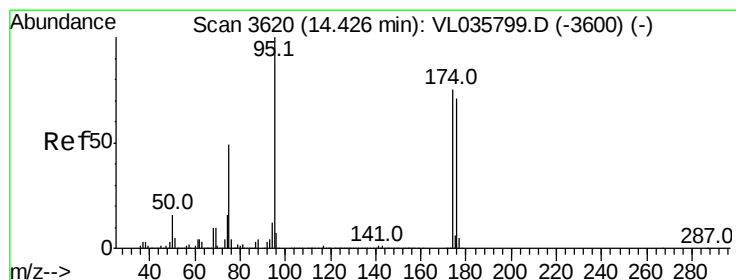
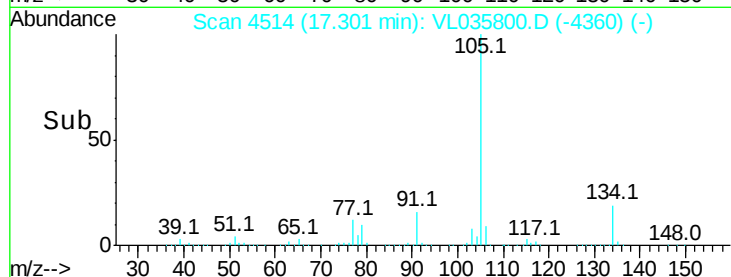
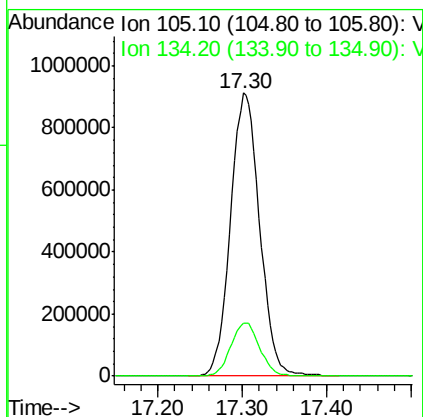
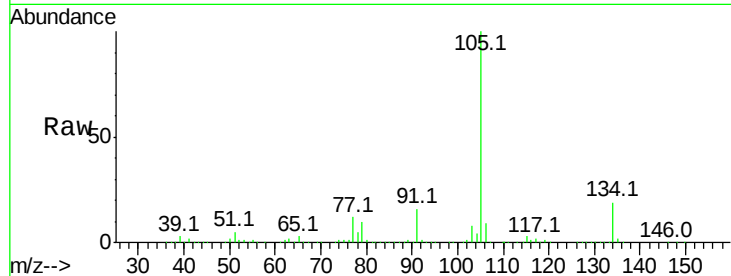




#67
 sec-Butylbenzene
 Concen: 2.492 ppbv
 RT: 17.30 min Scan# 4514
 Delta R.T. -0.01 min
 Lab File: VL035800.D
 Acq: 3 Nov 2020 11:11

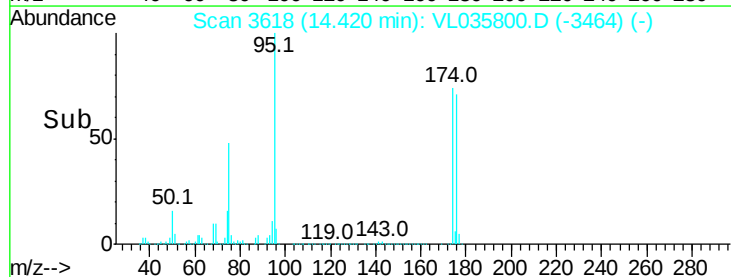
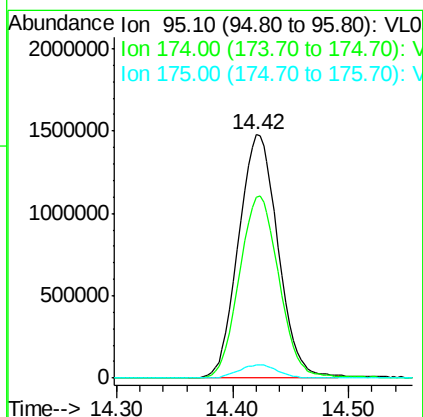
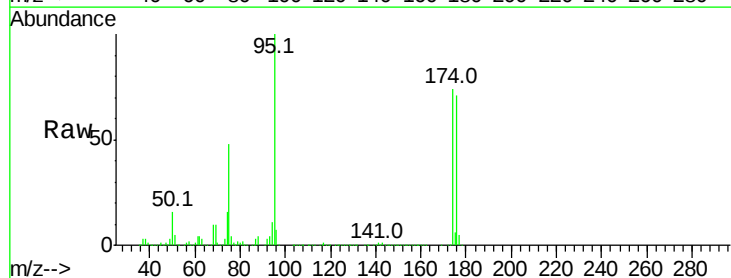
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

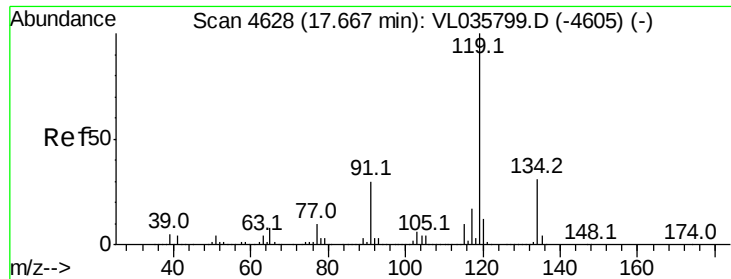
Tgt Ion:105 Resp: 2192861
 Ion Ratio Lower Upper
 105 100
 134 18.8 17.0 25.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.153 ppbv
 RT: 14.42 min Scan# 3618
 Delta R.T. -0.01 min
 Lab File: VL035800.D
 Acq: 3 Nov 2020 11:11

Tgt Ion: 95 Resp: 3495807
 Ion Ratio Lower Upper
 95 100
 174 76.1 59.8 89.6
 175 5.5 4.3 6.5

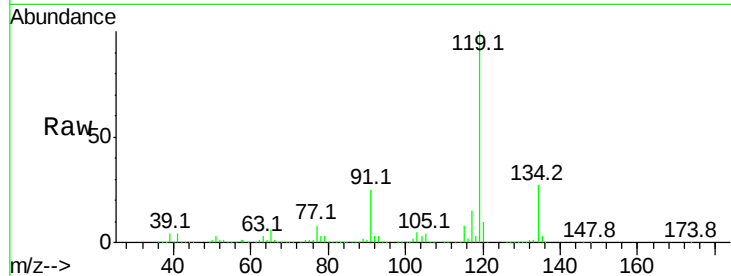




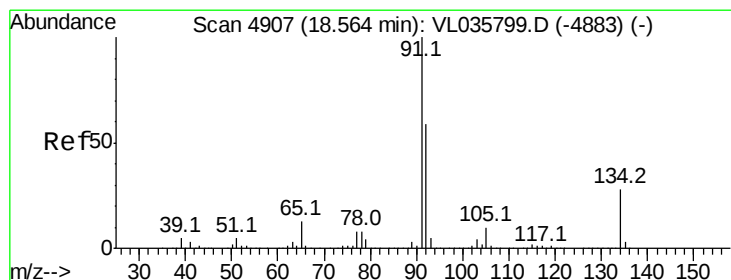
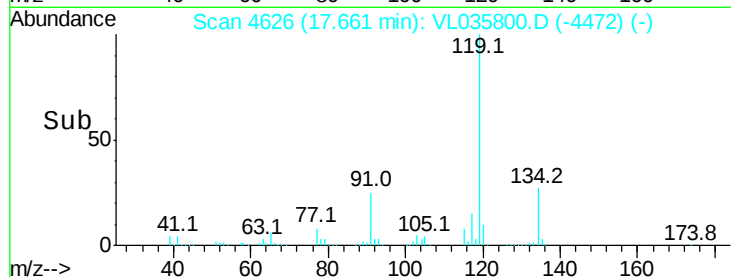
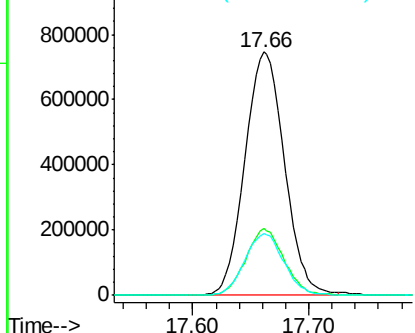
#69
p-Isopropyltoluene
Concen: 2.477 ppbv
RT: 17.66 min Scan# 4626
Delta R.T. -0.01 min
Lab File: VL035800.D
Acq: 3 Nov 2020 11:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 119 Resp: 1773233
Ion Ratio Lower Upper
119 100
134 26.7 23.0 34.6
91 25.6 22.8 34.2

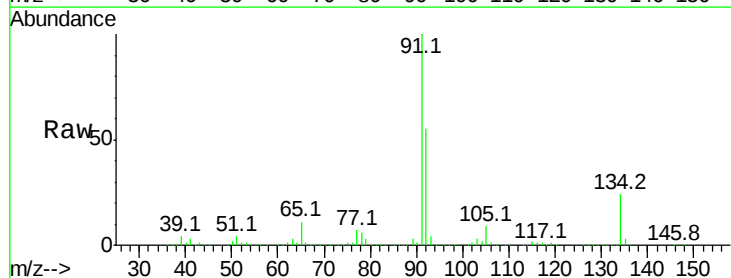


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

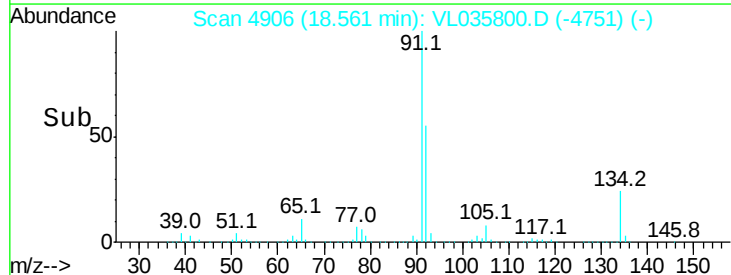
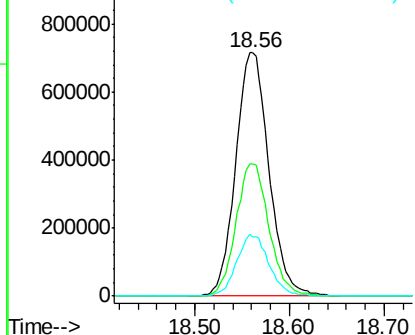


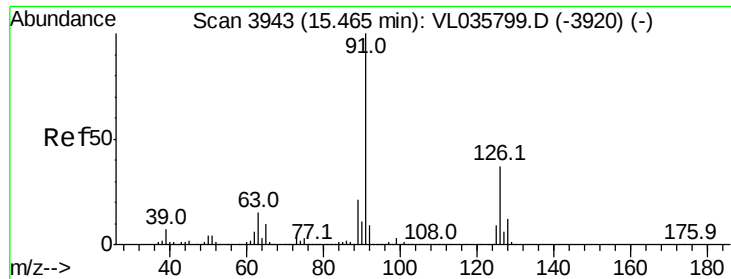
#70
n-Butylbenzene
Concen: 2.363 ppbv
RT: 18.56 min Scan# 4906
Delta R.T. -0.00 min
Lab File: VL035800.D
Acq: 3 Nov 2020 11:11

Tgt Ion: 91 Resp: 1742155
Ion Ratio Lower Upper
91 100
92 54.2 45.7 68.5
134 24.7 21.0 31.4



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: 2.452 ppbv

RT: 15.46 min Scan# 3941

Delta R.T. -0.01 min

Lab File: VL035800.D

Acq: 3 Nov 2020 11:11

Instrument :

MSVOA_L

ClientSampleId :

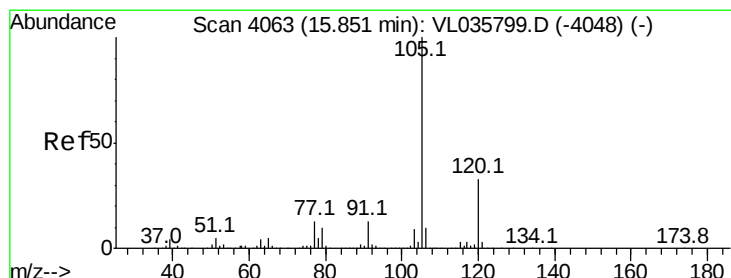
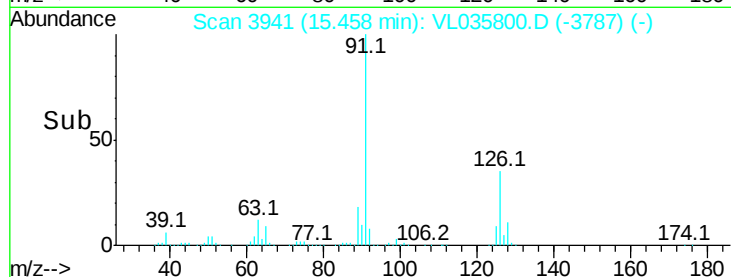
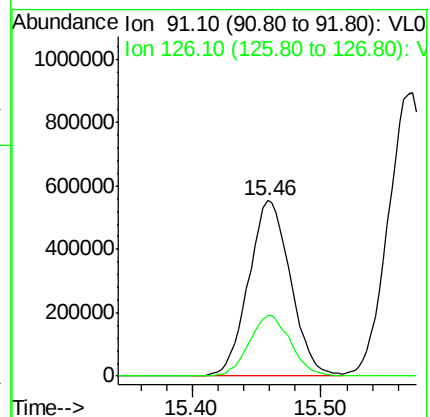
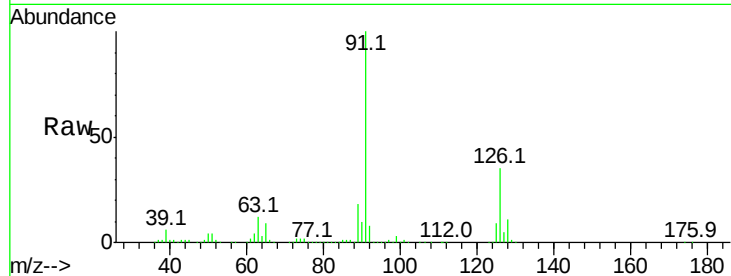
VSTDIC002

Tgt Ion: 91 Resp: 1253821

Ion Ratio Lower Upper

91 100

126 34.5 14.3 57.1



#72

4-Ethyltoluene

Concen: 2.485 ppbv

RT: 15.84 min Scan# 4061

Delta R.T. -0.01 min

Lab File: VL035800.D

Acq: 3 Nov 2020 11:11

Tgt Ion: 105 Resp: 1330292

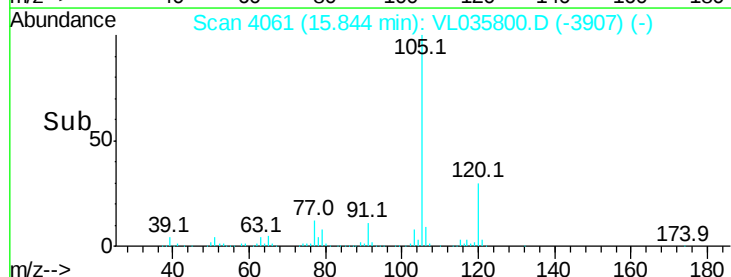
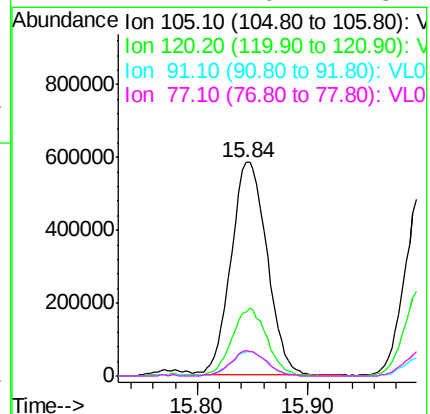
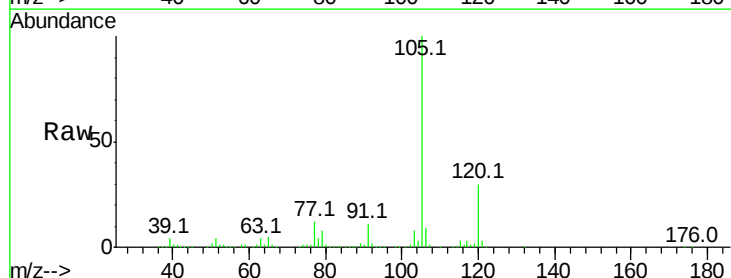
Ion Ratio Lower Upper

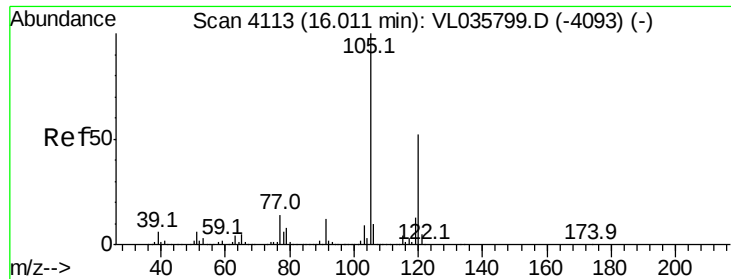
105 100

120 30.9 25.9 38.9

91 11.6 9.9 14.9

77 11.7 10.2 15.2





#73

1,3,5-Trimethylbenzene

Concen: 2.417 ppbv

RT: 16.00 min Scan# 4111

Delta R.T. -0.01 min

Lab File: VL035800.D

Acq: 3 Nov 2020 11:11

Instrument :

MSVOA_L

ClientSampleId :

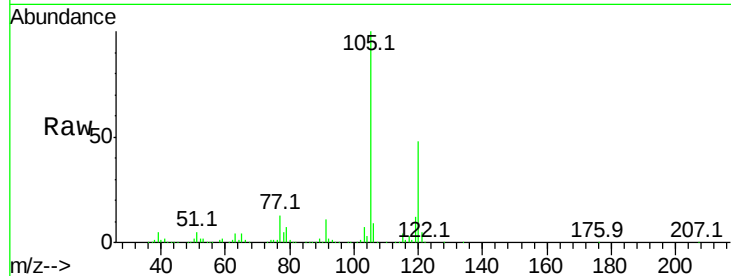
VSTDIC002

Tgt Ion:105 Resp: 1222662

Ion Ratio Lower Upper

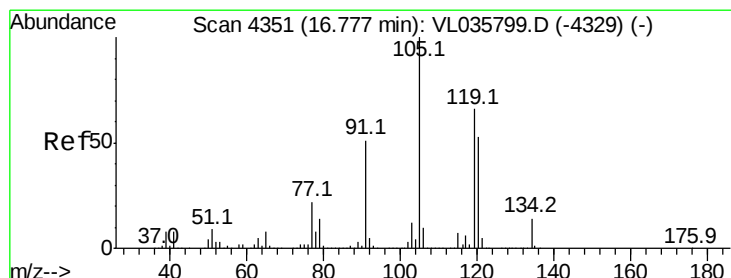
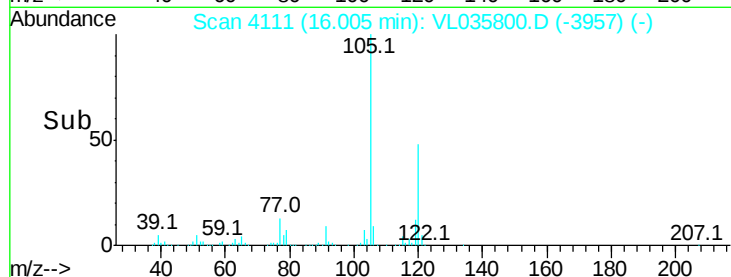
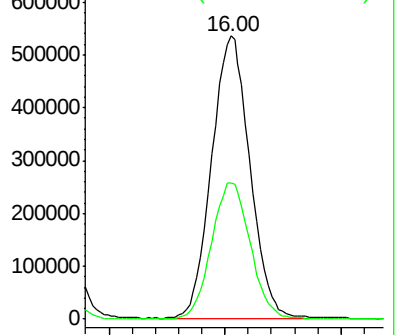
105 100

120 48.2 41.4 62.2



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: 2.350 ppbv

RT: 16.77 min Scan# 4349

Delta R.T. -0.01 min

Lab File: VL035800.D

Acq: 3 Nov 2020 11:11

Tgt Ion:105 Resp: 1340088

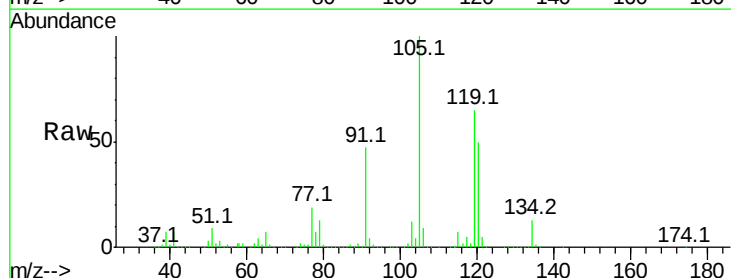
Ion Ratio Lower Upper

105 100

120 50.3 42.0 63.0

91 47.2 41.0 61.6

77 19.2 17.3 25.9

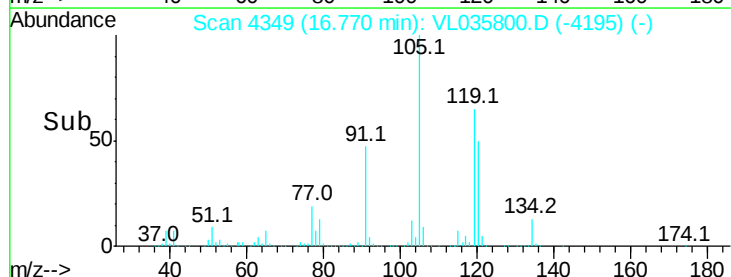
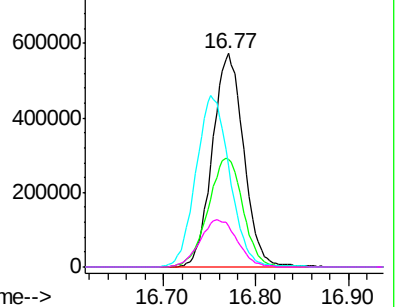


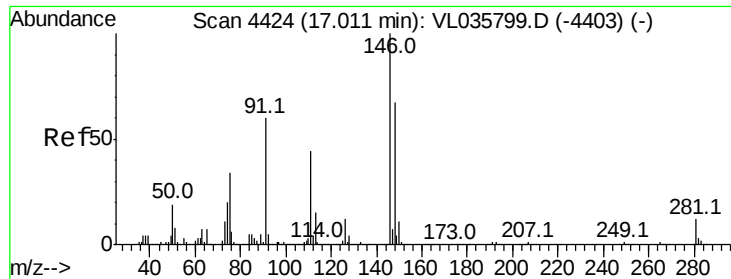
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

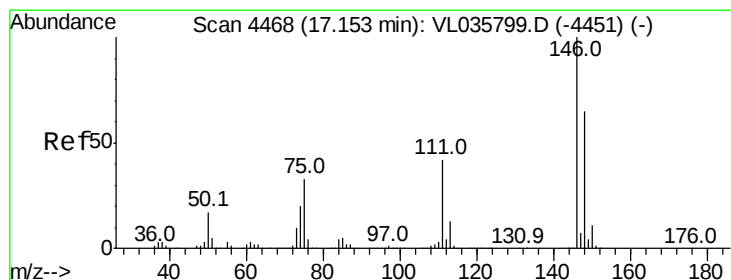
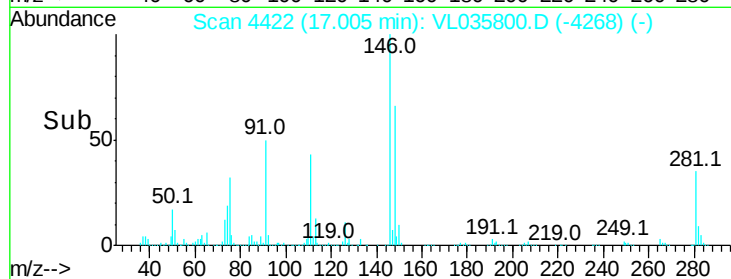
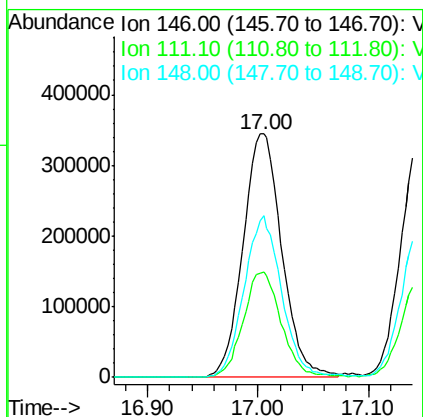
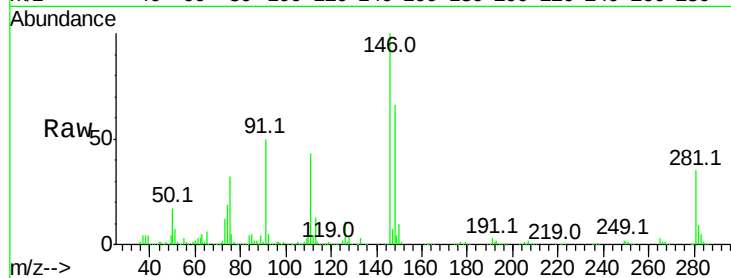




#75
 1,3-Dichlorobenzene
 Concen: 2.155 ppbv
 RT: 17.00 min Scan# 4422
 Delta R.T. -0.01 min
 Lab File: VL035800.D
 Acq: 3 Nov 2020 11:11

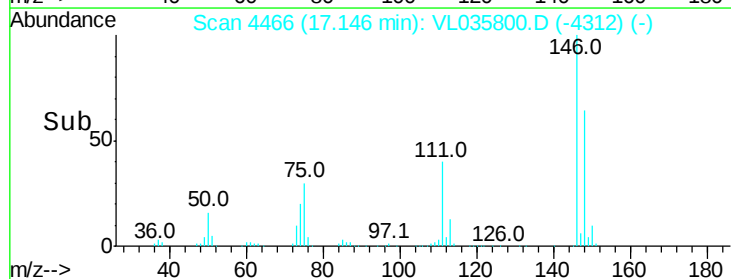
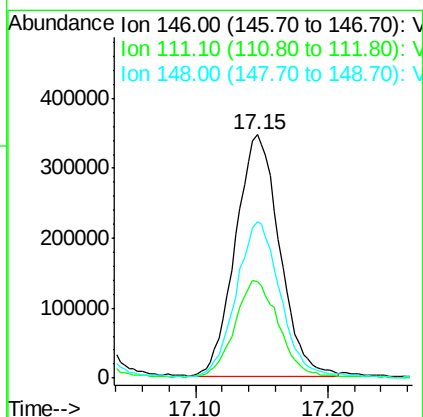
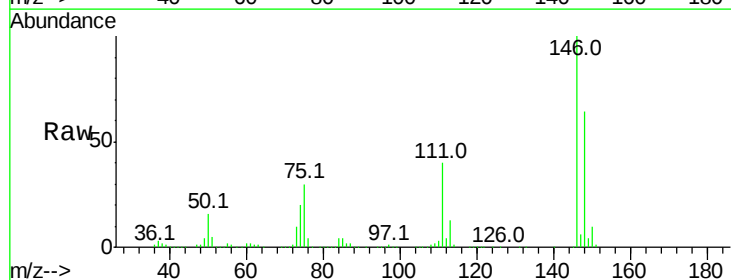
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

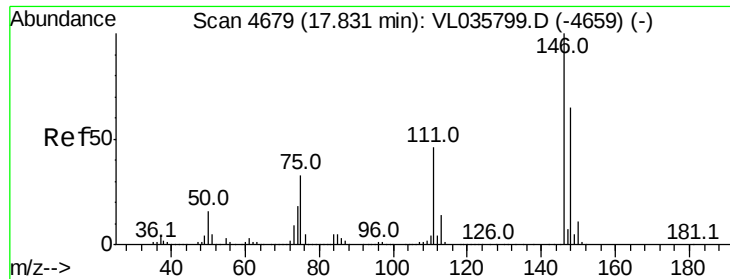
Tgt Ion:146 Resp: 839166
 Ion Ratio Lower Upper
 146 100
 111 42.4 21.8 65.4
 148 64.4 32.5 97.5



#76
 1,4-Dichlorobenzene
 Concen: 2.146 ppbv
 RT: 17.15 min Scan# 4466
 Delta R.T. -0.01 min
 Lab File: VL035800.D
 Acq: 3 Nov 2020 11:11

Tgt Ion:146 Resp: 798631
 Ion Ratio Lower Upper
 146 100
 111 41.4 21.3 63.7
 148 66.5 33.0 99.0

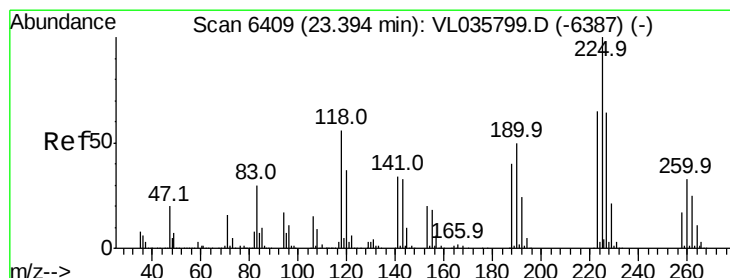
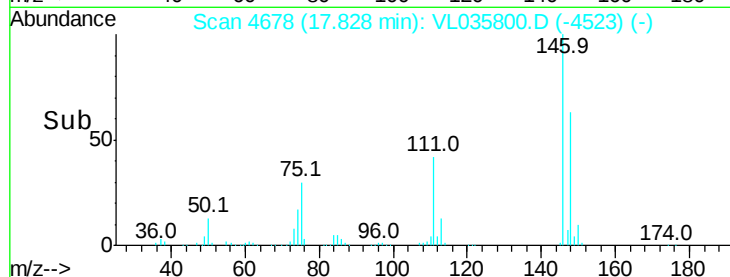
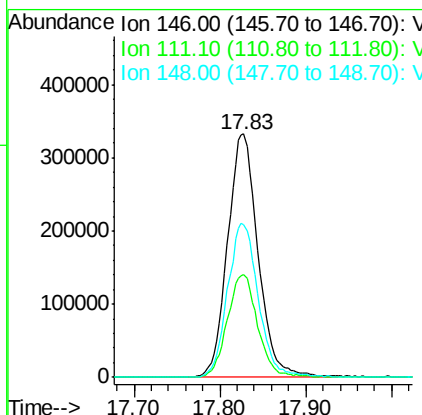
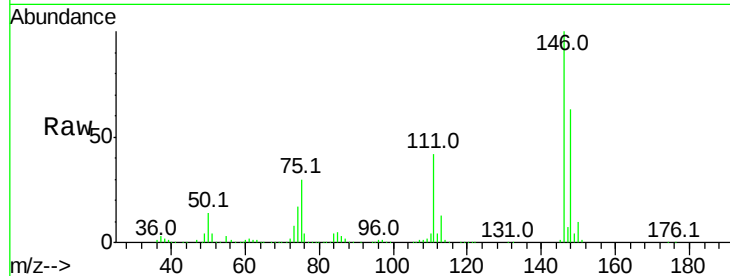




#77
 1,2-Dichlorobenzene
 Concen: 2.217 ppbv
 RT: 17.83 min Scan# 4678
 Delta R.T. -0.00 min
 Lab File: VL035800.D
 Acq: 3 Nov 2020 11:11

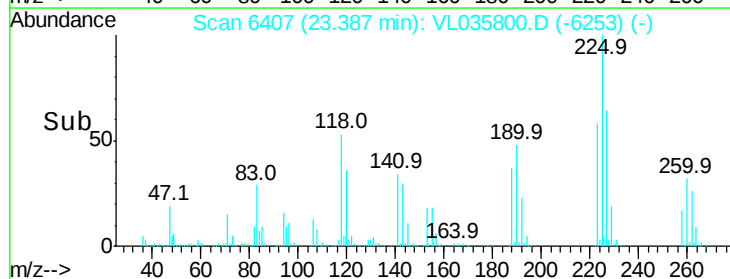
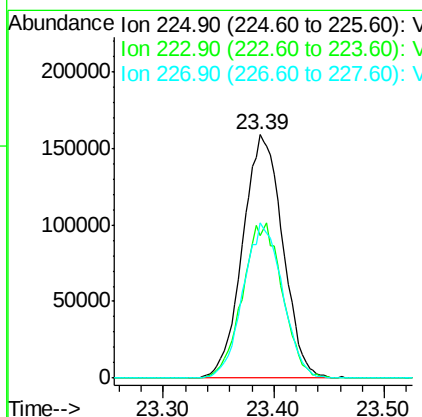
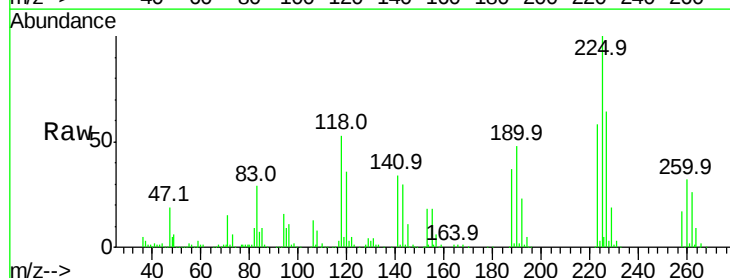
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

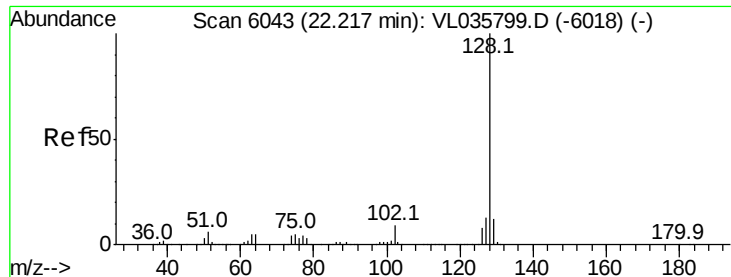
Tgt Ion:146 Resp: 815130
 Ion Ratio Lower Upper
 146 100
 111 42.3 22.4 67.0
 148 63.7 32.5 97.5



#78
 Hexachloro-1,3-Butadiene
 Concen: 1.968 ppbv
 RT: 23.39 min Scan# 6407
 Delta R.T. -0.01 min
 Lab File: VL035800.D
 Acq: 3 Nov 2020 11:11

Tgt Ion:225 Resp: 399282
 Ion Ratio Lower Upper
 225 100
 223 63.6 51.0 76.6
 227 62.7 51.2 76.8





#79

Naphthalene

Concen: 1.624 ppbv

RT: 22.22 min Scan# 6043

Delta R.T. 0.00 min

Lab File: VL035800.D

Acq: 3 Nov 2020 11:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

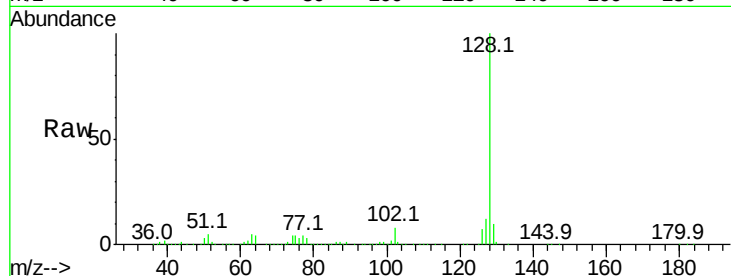
Tgt Ion:128 Resp: 883507

Ion Ratio Lower Upper

128 100

127 12.3 10.2 15.4

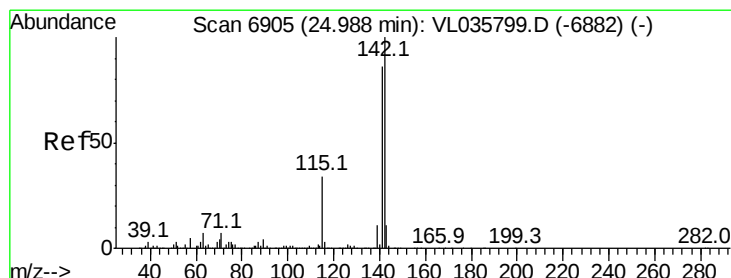
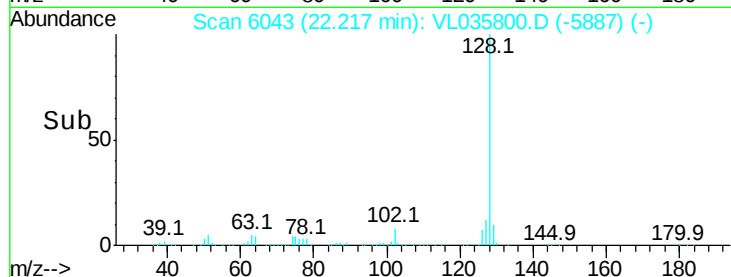
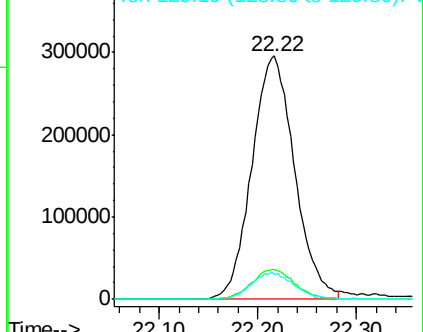
129 10.3 9.2 13.8



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 1.029 ppbv

RT: 24.99 min Scan# 6905

Delta R.T. 0.00 min

Lab File: VL035800.D

Acq: 3 Nov 2020 11:11

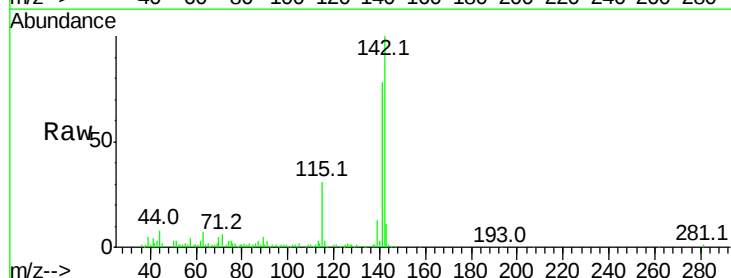
Tgt Ion:142 Resp: 132030

Ion Ratio Lower Upper

142 100

141 85.3 67.8 101.8

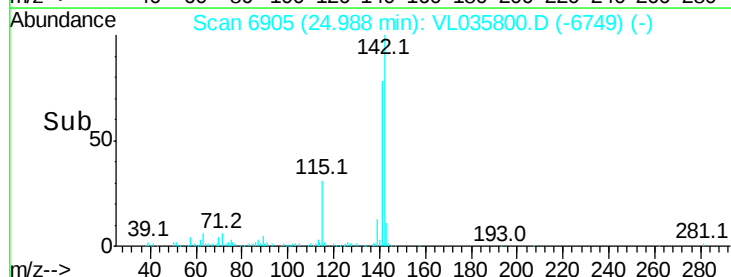
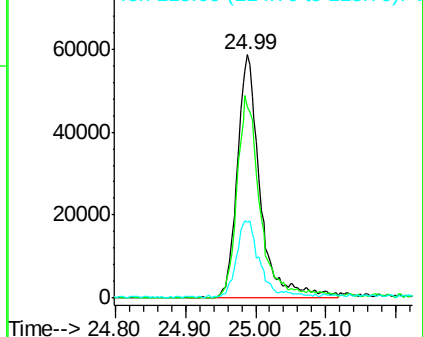
115 33.1 28.1 42.1

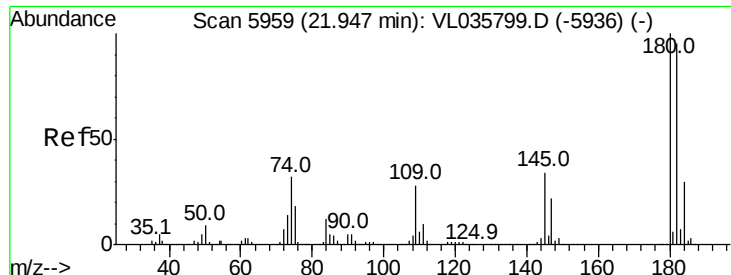


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

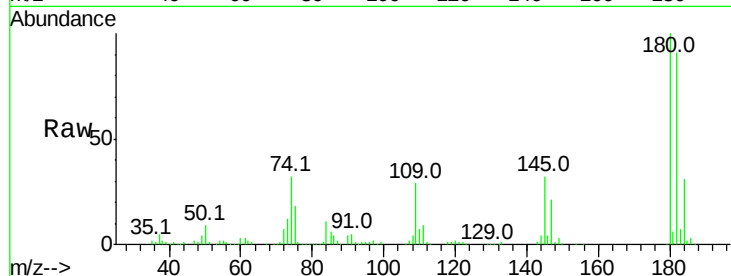




#81
 1,2,4-Trichlorobenzene
 Concen: 1.802 ppbv
 RT: 21.94 min Scan# 5958
 Delta R.T. -0.00 min
 Lab File: VL035800.D
 Acq: 3 Nov 2020 11:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion:180 Resp: 508049
 Ion Ratio Lower Upper
 180 100
 182 96.5 77.2 115.8
 184 30.7 24.7 37.1



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

