

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090820\
 Data File : VL035553.D
 Acq On : 8 Sep 2020 11:57
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Sep 09 02:34:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 27 06:46:28 2020
 QLast Update : Thu Aug 27 06:46:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1088865	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.18	114	4800934	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	6114676	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	3555273	8.19	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1637479	8.678	ppbv	98
3) Chlorodifluoromethane	2.98	51	1199940	9.964	ppbv	99
4) Chloromethane	3.13	50	631639	9.790	ppbv	98
5) Vinyl Chloride	3.25	62	760657	9.563	ppbv	99
6) Bromomethane	3.46	94	673794	10.085	ppbv	99
7) Chloroethane	3.55	64	287512	10.223	ppbv	98
8) Dichlorotetrafluoroethane	3.18	85	2182891	9.552	ppbv	97
9) Propene	3.00	41	459139	9.890	ppbv	100
10) Heptane	8.12	43	1265710	10.150	ppbv	99
11) Trichlorofluoromethane	3.94	101	2599630	9.447	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1988747	9.575	ppbv	96
13) Ethanol	3.60	45	110240	9.577	ppbv	96
14) Bromoethene	3.73	108	933834	10.446	ppbv	100
15) Acetone	3.84	43	1025133	8.536	ppbv	100
16) 1,3-Butadiene	3.32	39	459088	10.269	ppbv	98
17) tert-Butyl alcohol	4.29	59	1593852	10.903	ppbv	99
18) 1,1-Dichloroethene	4.28	96	937744	10.253	ppbv	97
19) Isopropyl Alcohol	3.96	45	758394	10.586	ppbv	99
20) Methylene Chloride	4.34	84	833947	9.324	ppbv	99
21) Allyl Chloride	4.40	41	616144	10.951	ppbv	98
22) trans-1,2-Dichloroethene	4.88	96	980297	10.068	ppbv	95
23) Vinyl Acetate	5.07	43	1634322	10.603	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1595093	10.056	ppbv	100
25) Ethyl Acetate	5.67	43	2083335	9.820	ppbv	100
26) Hexane	5.68	57	1213703	10.097	ppbv	98
27) Carbon Disulfide	4.54	76	2002589	11.609	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	2244805	10.715	ppbv	100
29) Chloroform	5.75	83	2457121	10.032	ppbv	99
30) Cyclohexane	7.13	84	1381681	10.729	ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	1310494	10.626	ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	2473941	10.412	ppbv	100
34) 2-Butanone	5.24	43	1437768	10.091	ppbv	98
35) Carbon Tetrachloride	7.02	117	2575620	10.674	ppbv	99
36) Benzene	6.89	78	3184796	10.248	ppbv	100
37) 1,2-Dichloroethane	6.30	62	1503450	10.147	ppbv	100
38) Trichloroethene	7.83	130	1667009	9.235	ppbv	97
39) 1,2-Dichloropropane	7.62	63	1067138	10.165	ppbv	99
40) 1,4-Dioxane	7.83	88	559071	10.660	ppbv	# 1
41) Tetrahydrofuran	6.04	42	822461	10.886	ppbv	98
42) Bromodichloromethane	7.79	83	2626033	10.960	ppbv	99
43) Methyl Methacrylate	8.01	69	1320555	10.989	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4036725	9.872	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1517276	12.464	ppbv	100
46) cis-1,3-Dichloropropene	8.71	75	1791972	11.856	ppbv	99
47) 1,1,2-Trichloroethane	9.48	97	1580342	10.202	ppbv	98
48) Dibromochloromethane	10.31	129	2740220	11.239	ppbv	100
49) Bromoform	13.05	173	2574135	11.650	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2149748	10.420	ppbv	99
51) 2-Hexanone	10.14	43	1861107	10.997	ppbv	99
52) Tetrachloroethene	11.23	164	1704965	9.391	ppbv	99
53) Toluene	9.81	91	4051440	10.367	ppbv	99
54) 1,2-Dibromoethane	10.62	107	2523376	10.309	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.14	131	2141510	8.607	ppbv	95
57) Chlorobenzene	12.16	112	3470689	7.712	ppbv	99
58) Ethyl Benzene	12.72	91	5271564	8.360	ppbv	100
59) m/p-Xylene	13.00	91	4598126	8.727	ppbv #	37
60) o-Xylene	13.70	91	4325159	8.151	ppbv	100
61) Styrene	13.54	104	3575014	8.809	ppbv	99
62) Isopropylbenzene	14.68	105	6690677	7.849	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.69	83	3105583	7.548	ppbv	99
64) n-propylbenzene	15.58	120	2152783	8.276	ppbv	99
65) tert-Butylbenzene	16.76	119	6334186	7.994	ppbv	99
66) Benzyl Chloride	17.00	91	2212771	11.236	ppbv	99
67) sec-Butylbenzene	17.31	105	8233149	7.799	ppbv	99
69) p-Isopropyltoluene	17.67	119	7240010	7.818	ppbv	100
70) n-Butylbenzene	18.56	91	7044994	7.898	ppbv	99
71) 2-Chlorotoluene	15.46	91	5102364	8.220	ppbv	100
72) 4-Ethyltoluene	15.85	105	5522064	8.185	ppbv	100
73) 1,3,5-Trimethylbenzene	16.01	105	5130052	8.221	ppbv	98
74) 1,2,4-Trimethylbenzene	16.78	105	5347989	7.805	ppbv	98
75) 1,3-Dichlorobenzene	17.01	146	3863014	7.611	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	3939256	7.869	ppbv	100
77) 1,2-Dichlorobenzene	17.83	146	3821603	7.771	ppbv	99
78) Hexachloro-1,3-Butadiene	23.40	225	2446956	7.794	ppbv	100
79) Naphthalene	22.22	128	6588186	8.665	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	2666020	10.273	ppbv	99
81) 1,2,4-Trichlorobenzene	21.95	180	3753094	8.243	ppbv	100

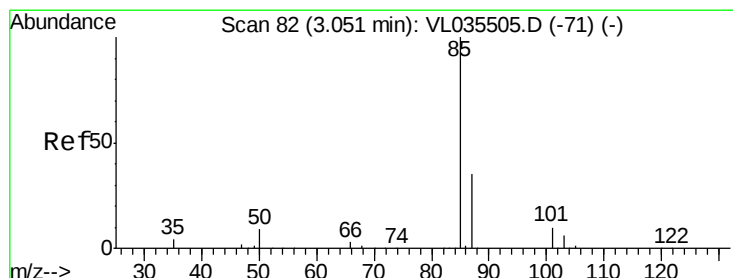
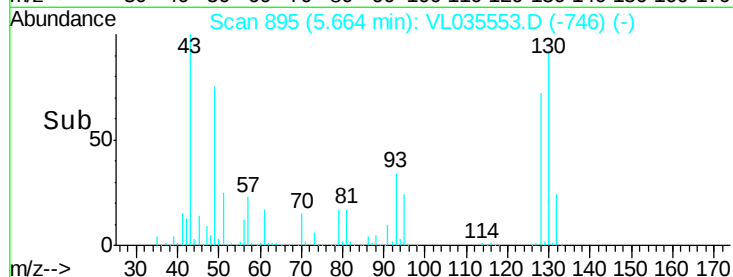
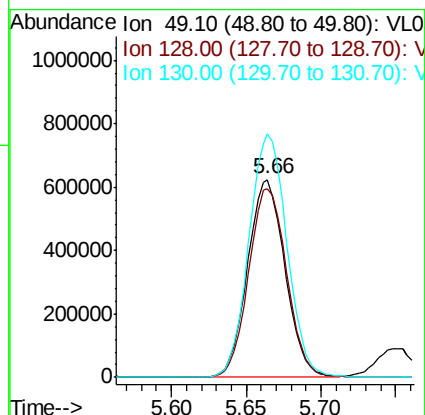
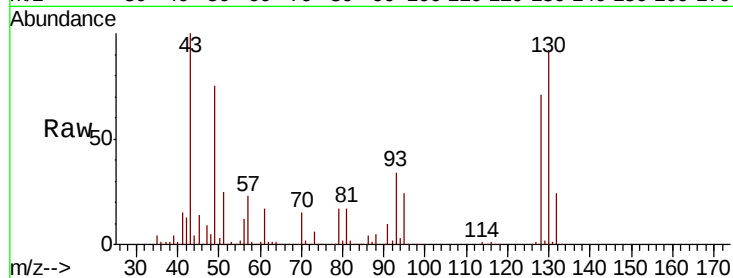
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.02 min
Lab File: VL035553.D
Acq: 8 Sep 2020 11:57

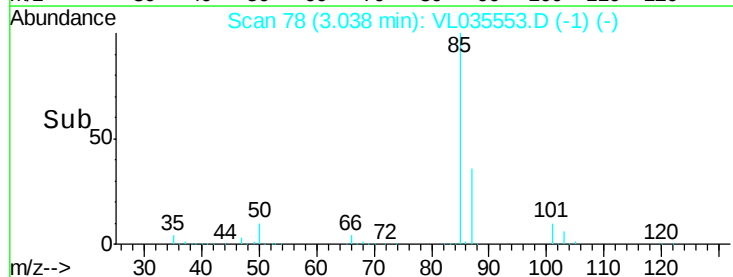
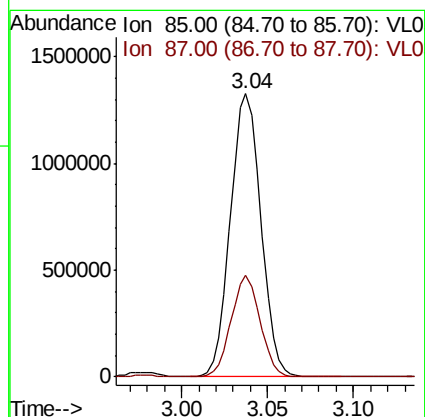
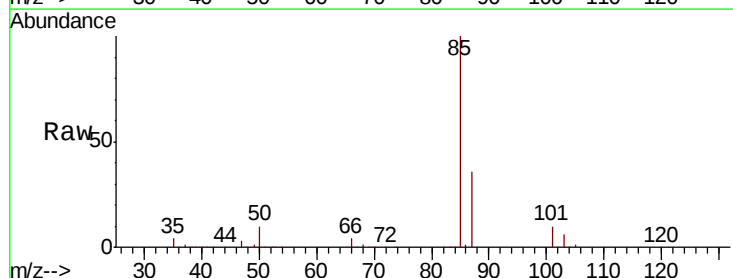
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

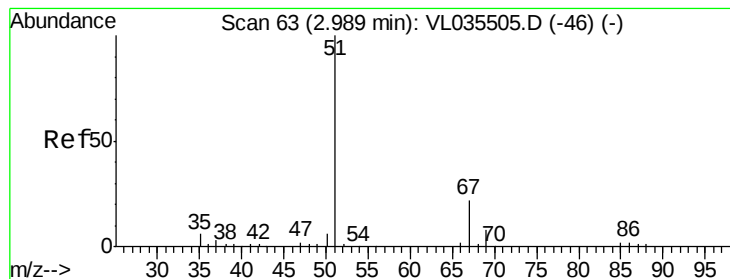
Tot Ion: 49 Resp: 1088865
Ion Ratio Lower Upper
49 100
128 97.2 50.0 150.1
130 125.3 64.4 193.2



#2
Dichlorodifluoromethane
Concen: 8.678 ppbv
RT: 3.04 min Scan# 78
Delta R.T. -0.01 min
Lab File: VL035553.D
Acq: 8 Sep 2020 11:57

Tgt Ion: 85 Resp: 1637479
Ion Ratio Lower Upper
85 100
87 35.9 28.0 42.0





#3

Chlorodifluoromethane

Concen: 9.964 ppbv

RT: 2.98 min Scan# 59

Delta R.T. -0.01 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

Instrument :

MSVOA_L

ClientSampleId :

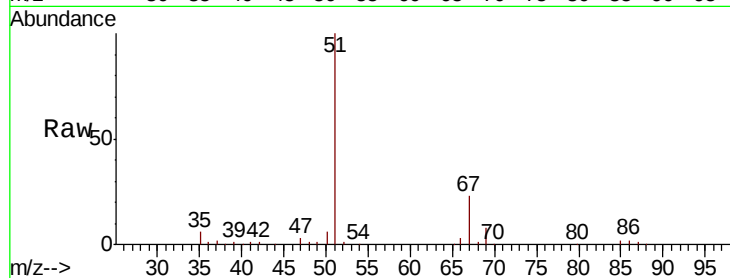
VSTDCCC010

Tot Ion: 51 Resp: 1199940

Ion Ratio Lower Upper

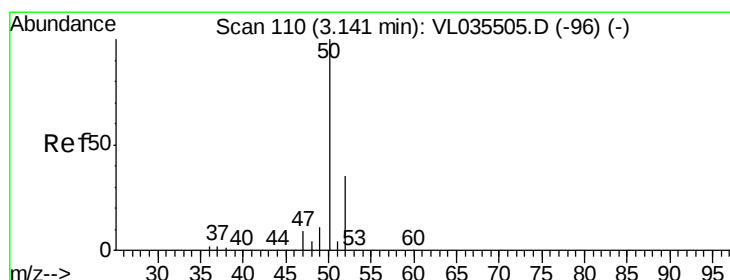
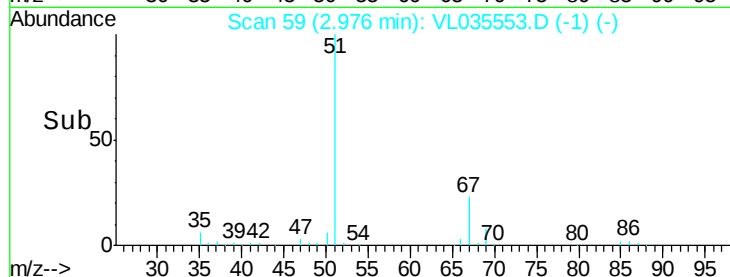
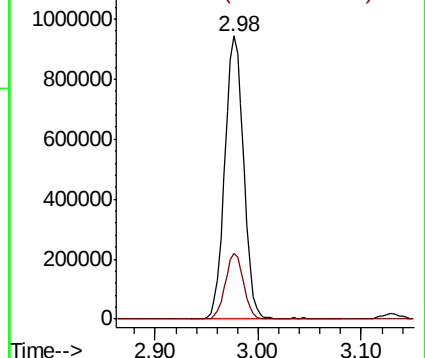
51 100

67 22.7 17.8 26.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.790 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.01 min

Lab File: VL035553.D

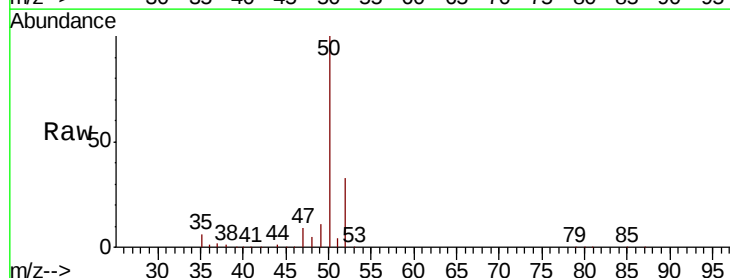
Acq: 8 Sep 2020 11:57

Tgt Ion: 50 Resp: 631639

Ion Ratio Lower Upper

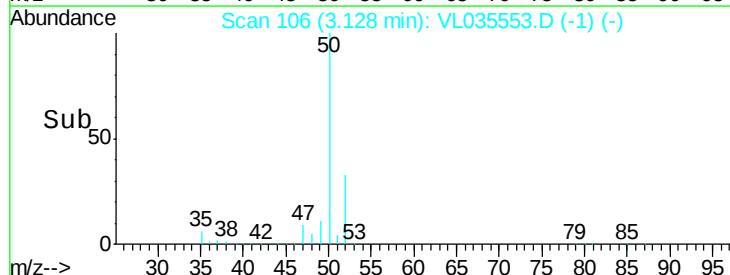
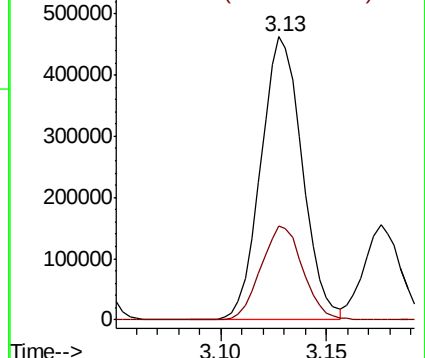
50 100

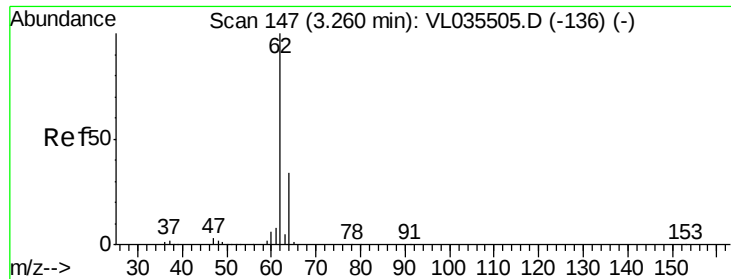
52 33.2 27.7 41.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.563 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.01 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

Instrument :

MSVOA_L

ClientSampleId :

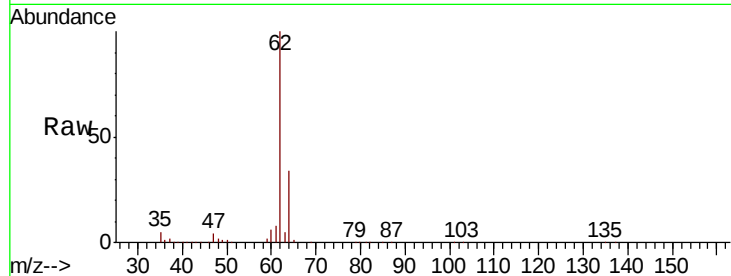
VSTDCCC010

Tot Ion: 62 Resp: 760657

Ion Ratio Lower Upper

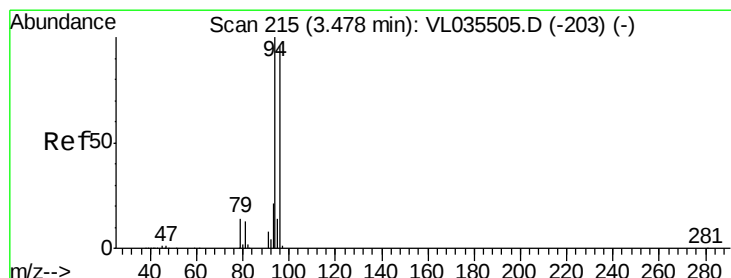
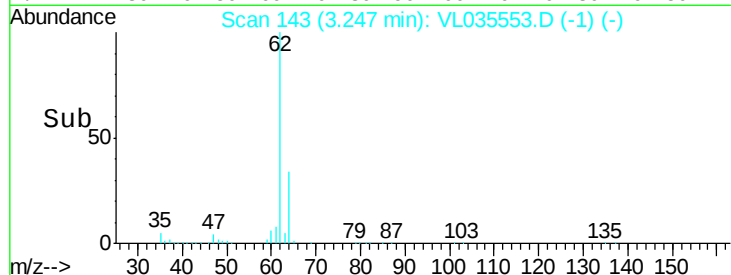
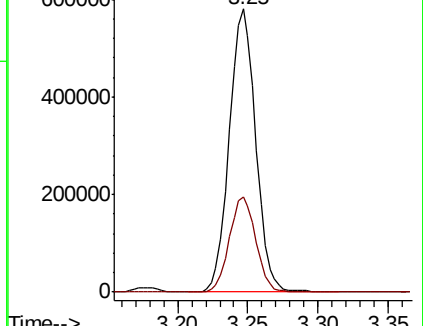
62 100

64 33.7 27.4 41.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.085 ppbv

RT: 3.46 min Scan# 210

Delta R.T. -0.02 min

Lab File: VL035553.D

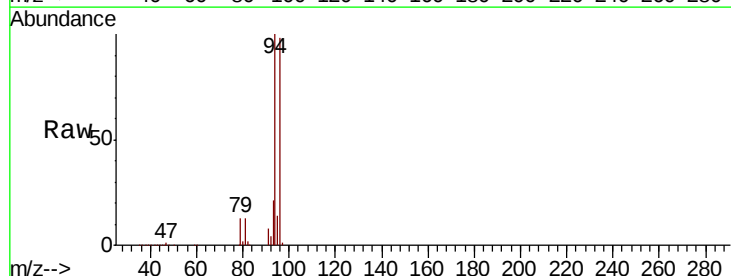
Acq: 8 Sep 2020 11:57

Tgt Ion: 94 Resp: 673794

Ion Ratio Lower Upper

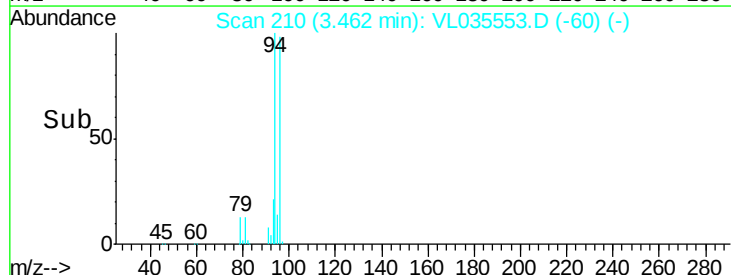
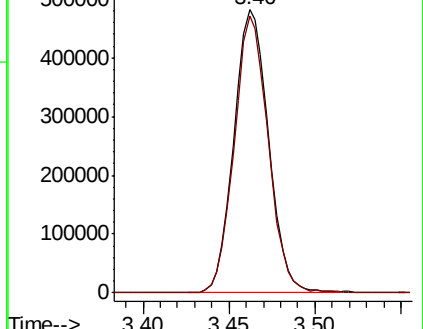
94 100

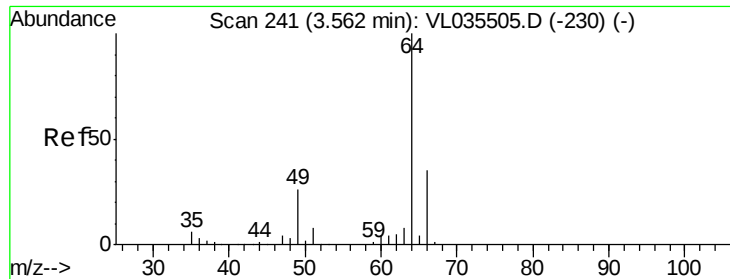
96 97.7 77.1 115.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.223 ppbv

RT: 3.55 min Scan# 237

Delta R.T. -0.01 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

Instrument :

MSVOA_L

ClientSampleId :

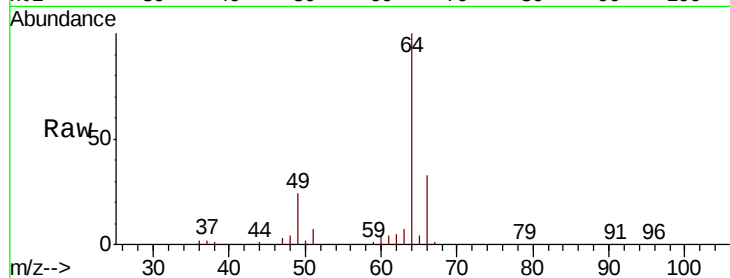
VSTDCCC010

Tot Ion: 64 Resp: 287512

Ion Ratio Lower Upper

64 100

66 33.4 27.7 41.5



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

250000

200000

150000

100000

50000

0

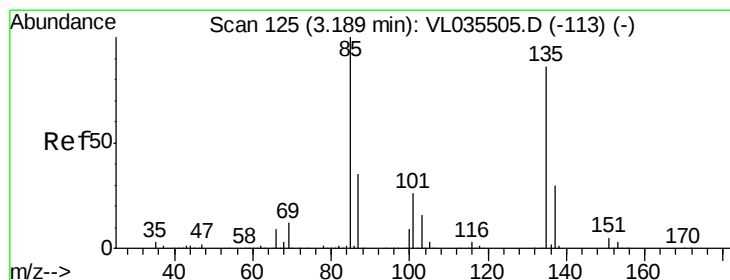
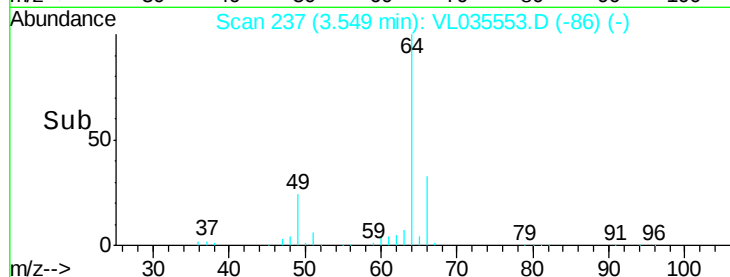
3.55

3.50

3.55

3.60

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.552 ppbv

RT: 3.18 min Scan# 121

Delta R.T. -0.01 min

Lab File: VL035553.D

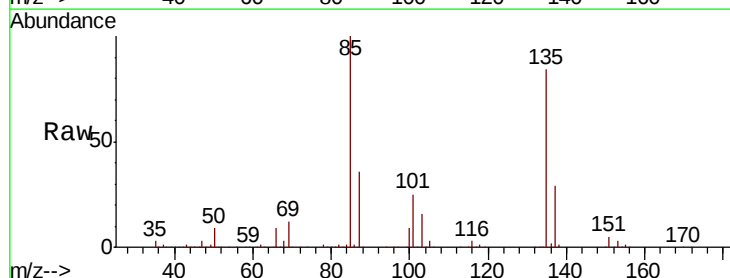
Acq: 8 Sep 2020 11:57

Tgt Ion: 85 Resp: 2182891

Ion Ratio Lower Upper

85 100

135 85.6 70.4 105.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

2000000

1500000

1000000

500000

0

3.18

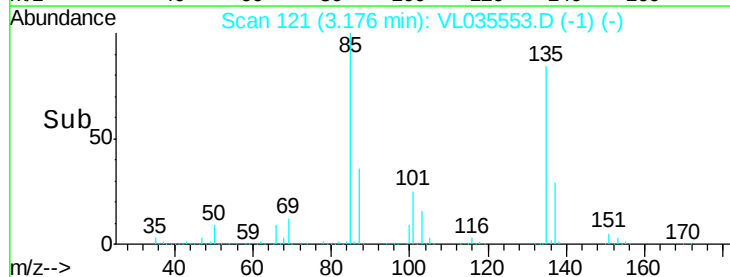
3.10

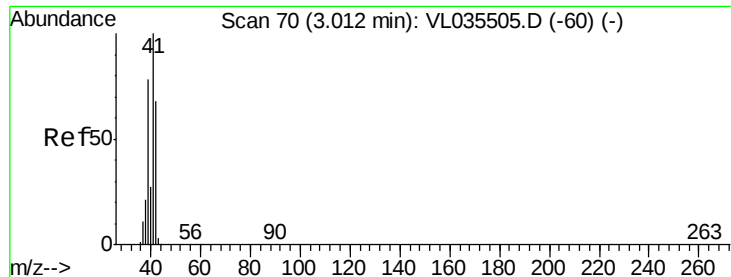
3.15

3.20

3.25

Time-->





#9

Propene

Concen: 9.890 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

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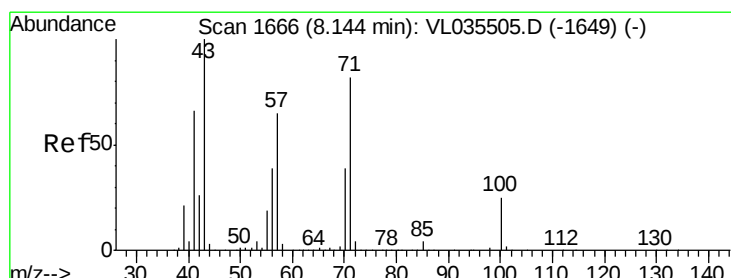
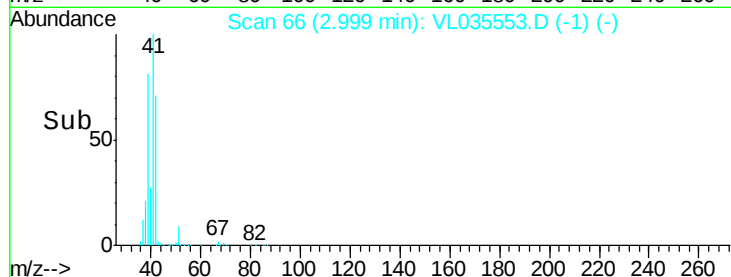
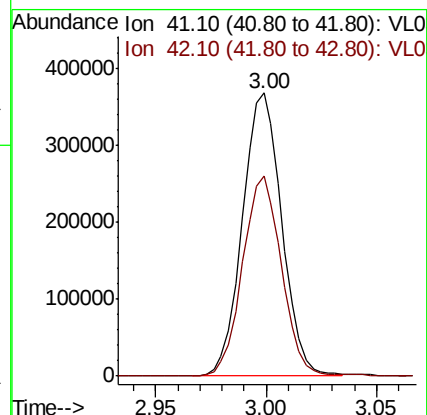
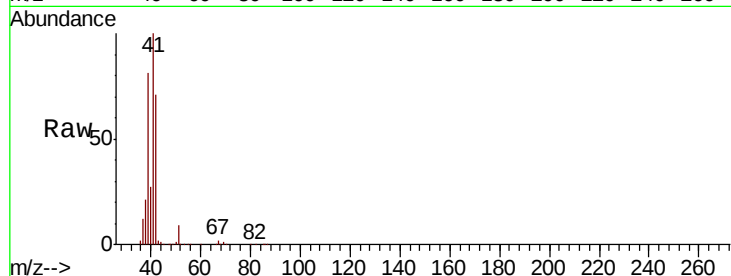
VSTDCCC010

Tot Ion: 41 Resp: 459139

Ion Ratio Lower Upper

41 100

42 70.1 56.3 84.5



#10

Heptane

Concen: 10.150 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. -0.02 min

Lab File: VL035553.D

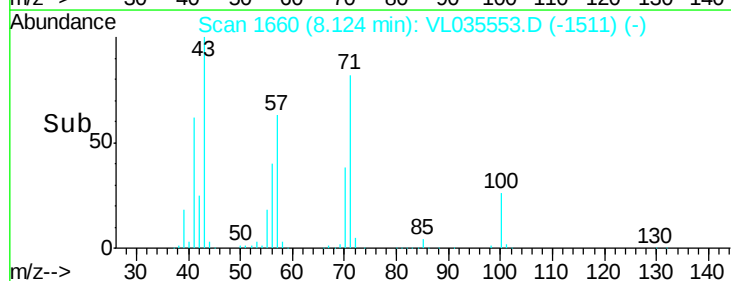
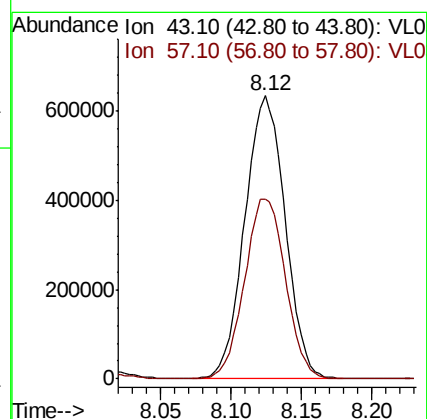
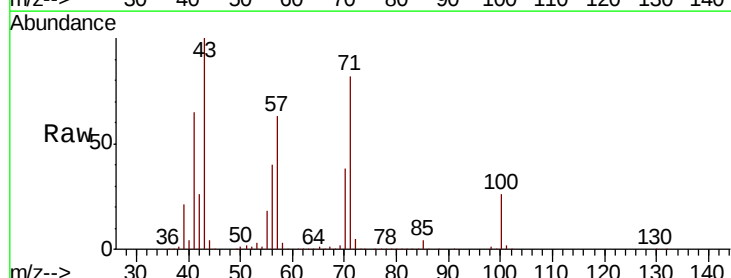
Acq: 8 Sep 2020 11:57

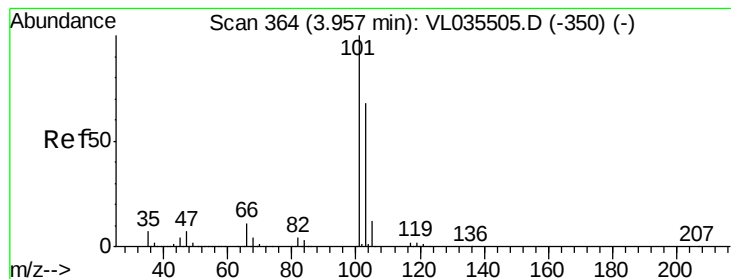
Tgt Ion: 43 Resp: 1265710

Ion Ratio Lower Upper

43 100

57 65.1 51.4 77.0





#11

Trichlorofluoromethane

Concen: 9.447 ppbv

RT: 3.94 min Scan# 359

Delta R.T. -0.02 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

Instrument :

MSVOA_L

ClientSampleId :

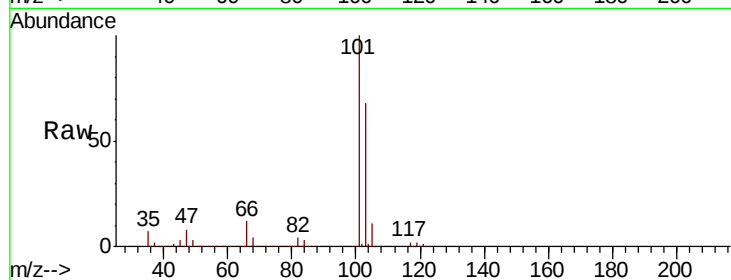
VSTDCCC010

Tot Ion:101 Resp: 2599630

Ion Ratio Lower Upper

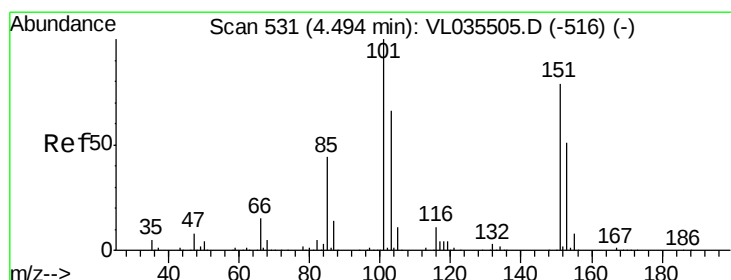
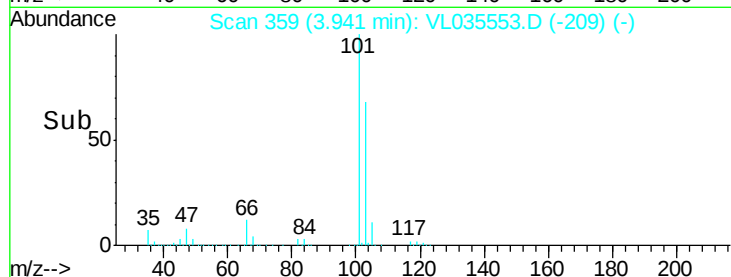
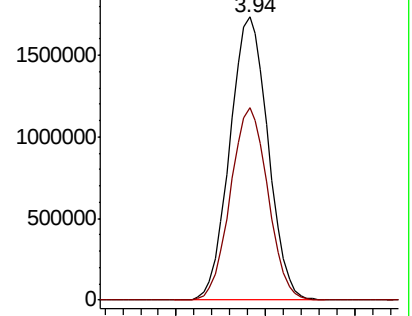
101 100

103 68.0 54.5 81.7



Abundance Ion 101.00 (100.70 to 101.70): V

2000000 Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.575 ppbv

RT: 4.48 min Scan# 526

Delta R.T. -0.02 min

Lab File: VL035553.D

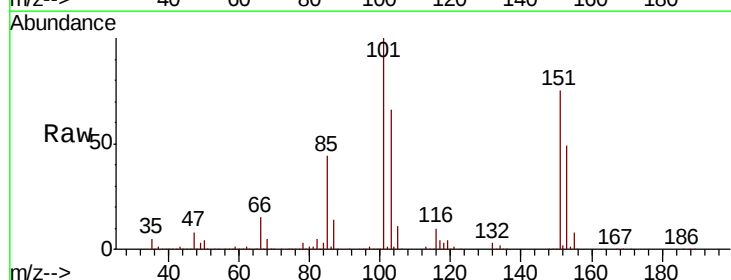
Acq: 8 Sep 2020 11:57

Tgt Ion:101 Resp: 1988747

Ion Ratio Lower Upper

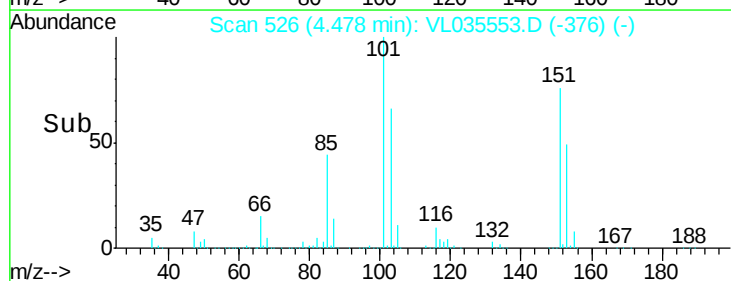
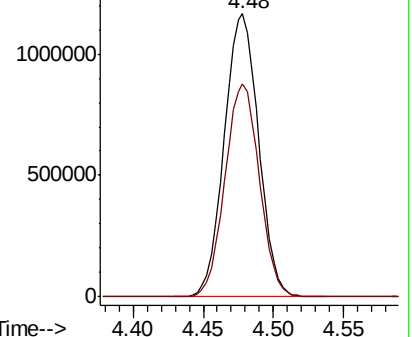
101 100

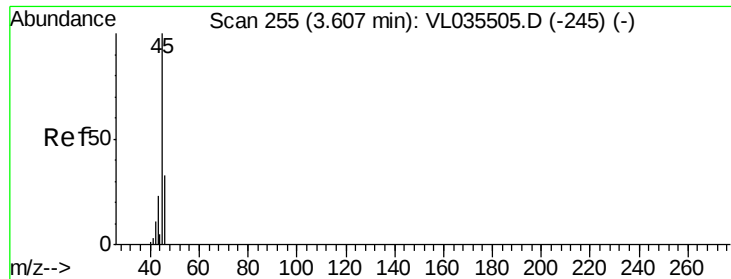
151 75.7 63.5 95.3



Abundance Ion 101.00 (100.70 to 101.70): V

1000000 Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 9.577 ppbv

RT: 3.60 min Scan# 252

Delta R.T. -0.01 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

Instrument :

MSVOA_L

ClientSampleId :

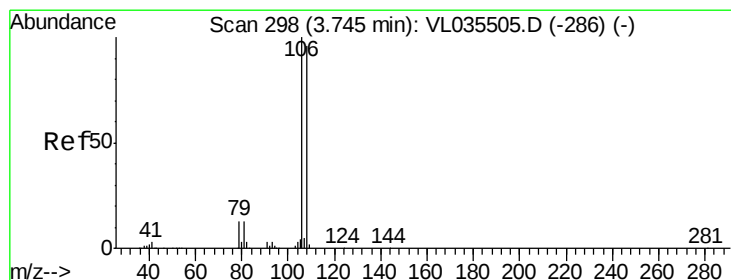
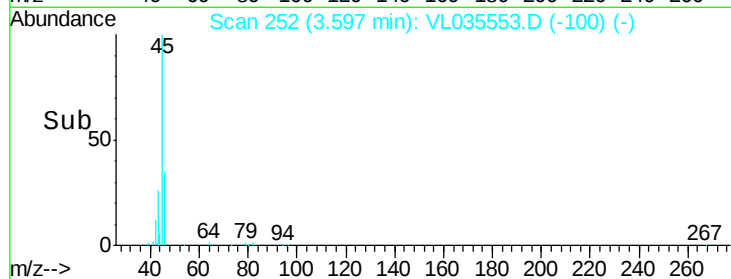
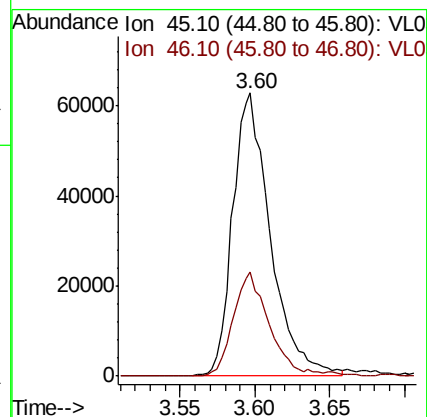
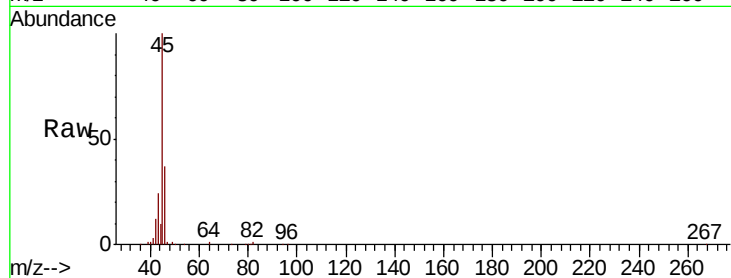
VSTDCCC010

Tot Ion: 45 Resp: 110240

Ion Ratio Lower Upper

45 100

46 35.5 15.2 60.6



#14

Bromoethene

Concen: 10.446 ppbv

RT: 3.73 min Scan# 293

Delta R.T. -0.02 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

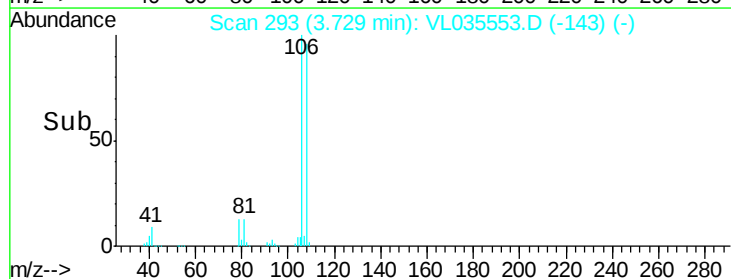
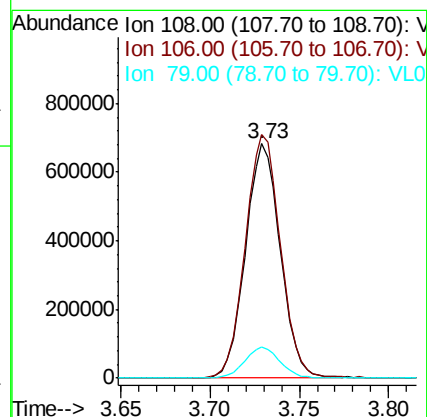
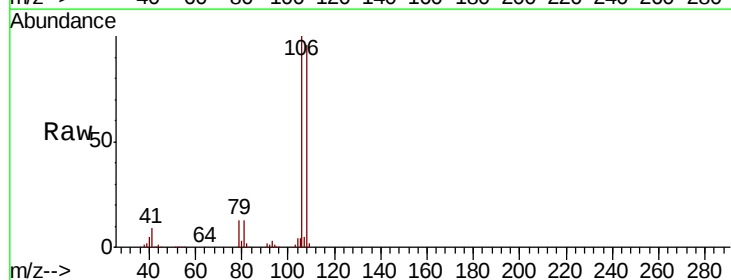
Tgt Ion: 108 Resp: 933834

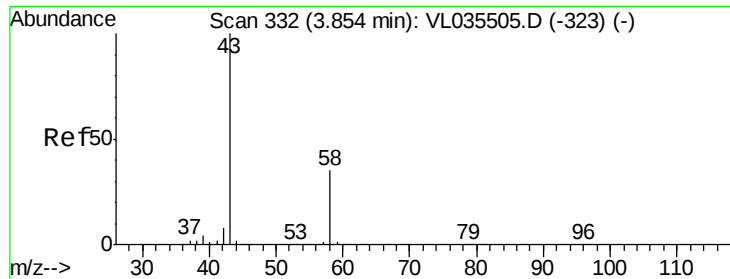
Ion Ratio Lower Upper

108 100

106 105.5 84.9 127.3

79 13.5 10.8 16.2





#15

Acetone

Concen: 8.536 ppbv

RT: 3.84 min Scan# 328

Delta R.T. -0.01 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

Instrument :

MSVOA_L

ClientSampleId :

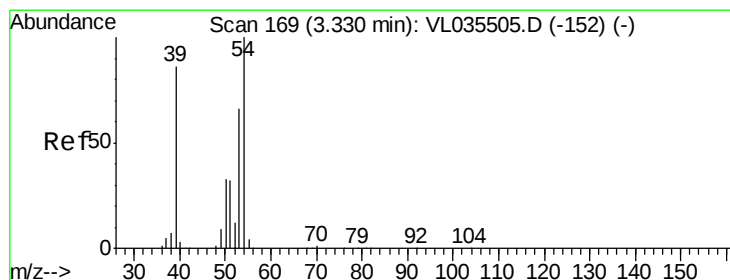
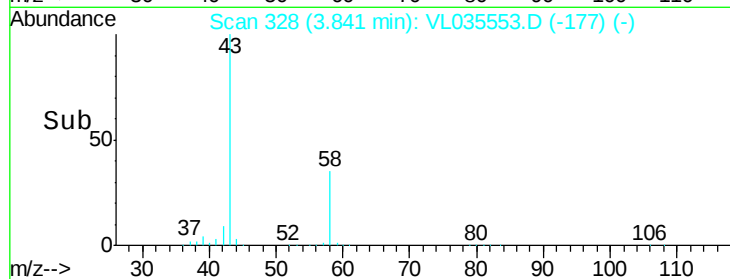
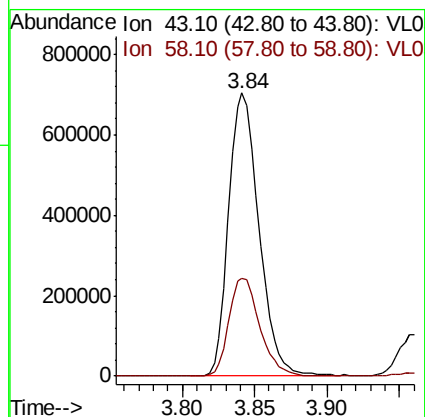
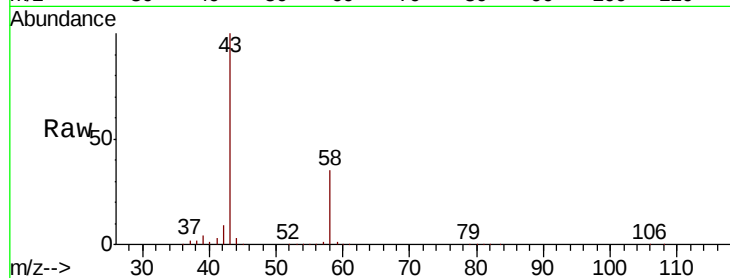
VSTDCCC010

Tot Ion: 43 Resp: 1025133

Ion Ratio Lower Upper

43 100

58 35.4 28.4 42.6



#16

1,3-Butadiene

Concen: 10.269 ppbv

RT: 3.32 min Scan# 165

Delta R.T. -0.01 min

Lab File: VL035553.D

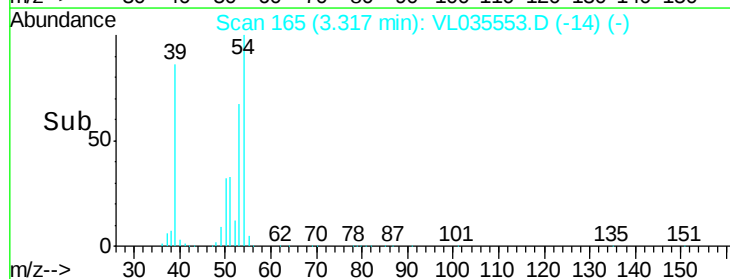
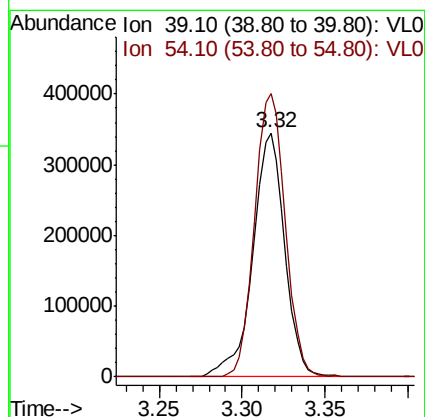
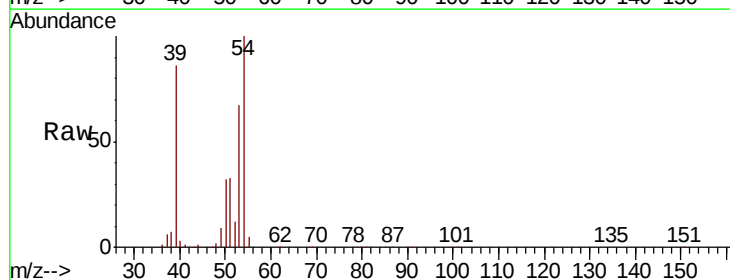
Acq: 8 Sep 2020 11:57

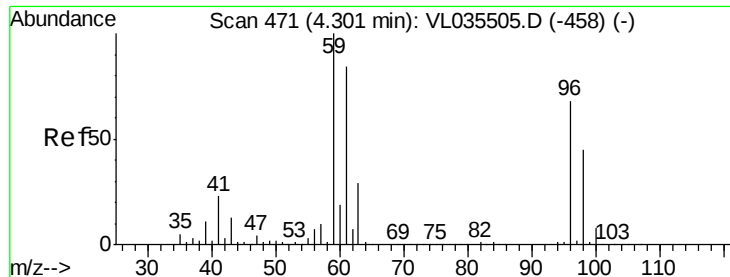
Tgt Ion: 39 Resp: 459088

Ion Ratio Lower Upper

39 100

54 112.5 88.4 132.6





#17

tert-Butyl alcohol

Concen: 10.903 ppbv

RT: 4.29 min Scan# 466

Delta R.T. -0.02 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

Instrument :

MSVOA_L

ClientSampleId :

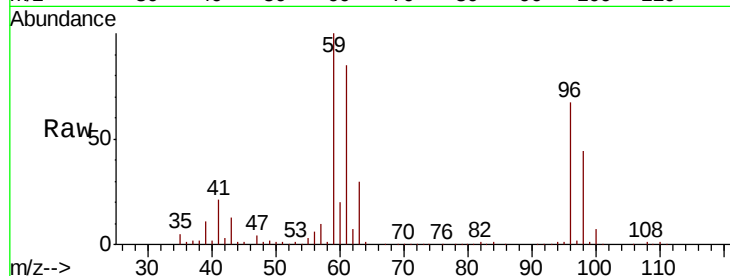
VSTDCCC010

Tot Ion: 59 Resp: 1593852

Ion Ratio Lower Upper

59 100

57 10.3 8.4 12.6



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.29

800000

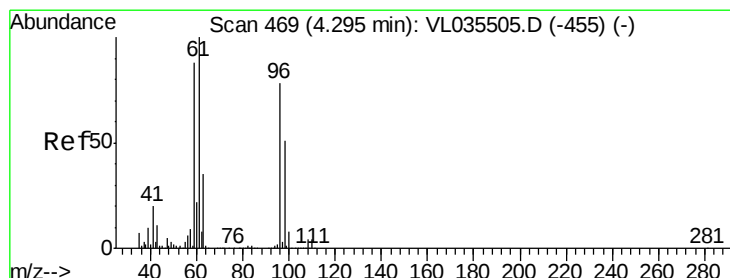
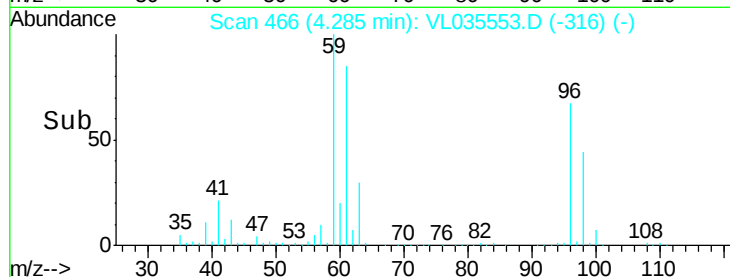
600000

400000

200000

0

Time-->



#18

1,1-Dichloroethene

Concen: 10.253 ppbv

RT: 4.28 min Scan# 465

Delta R.T. -0.01 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

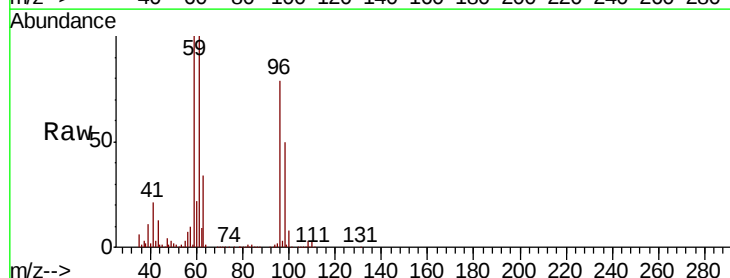
Tgt Ion: 96 Resp: 937744

Ion Ratio Lower Upper

96 100

61 125.8 103.0 154.6

98 63.5 52.8 79.2



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

1000000

800000

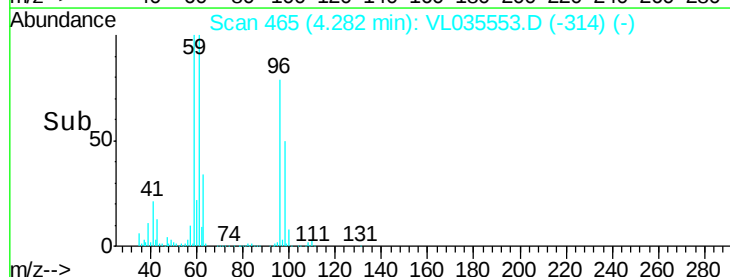
600000

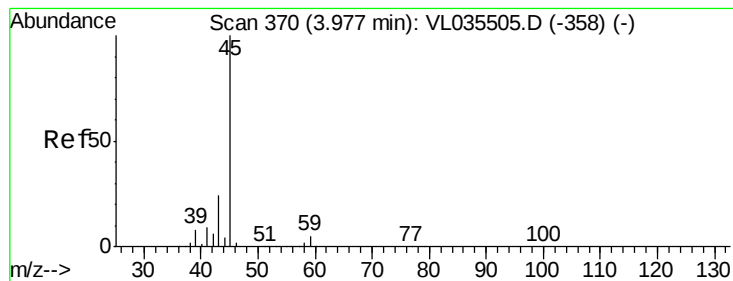
400000

200000

0

Time-->



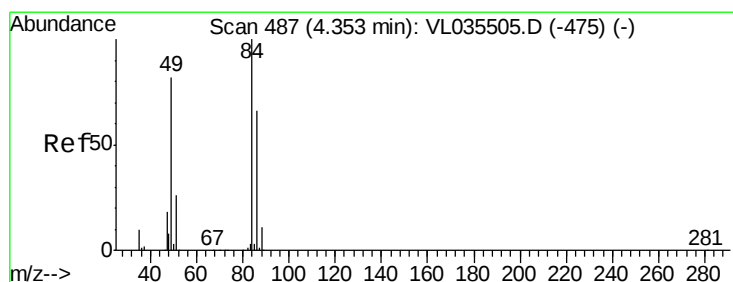
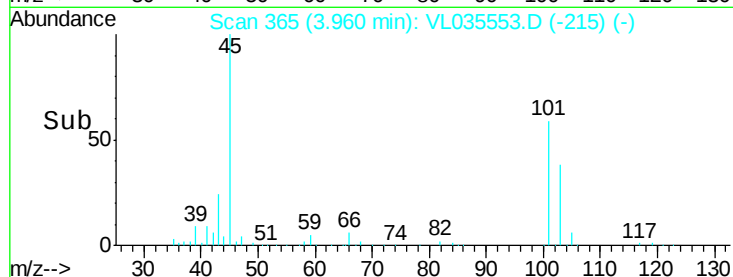
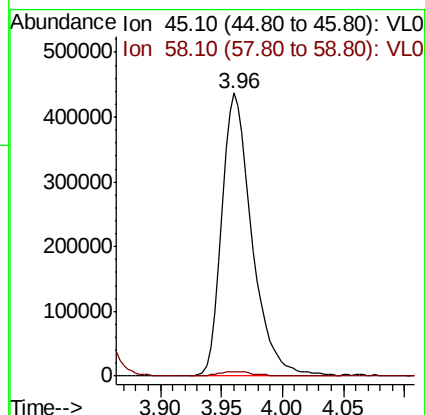
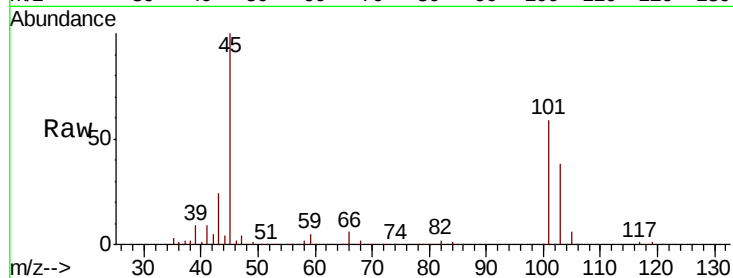


#19

Isopropyl Alcohol
 Concen: 10.586 ppbv
 RT: 3.96 min Scan# 365
 Delta R.T. -0.02 min
 Lab File: VL035553.D
 Acq: 8 Sep 2020 11:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

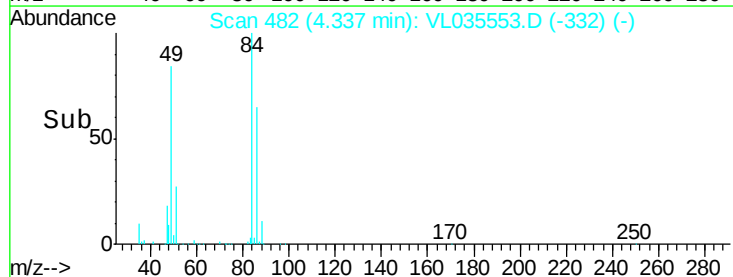
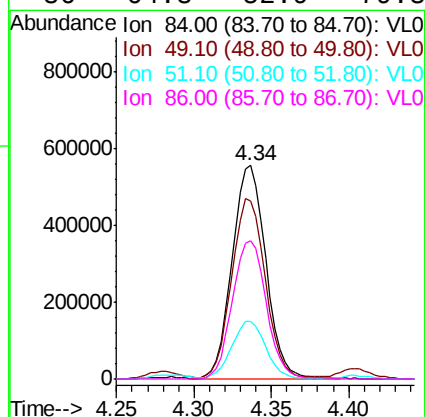
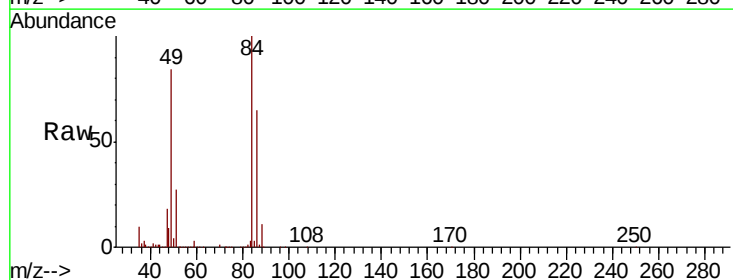
Tot Ion: 45 Resp: 758394
 Ion Ratio Lower Upper
 45 100
 58 2.1 2.0 3.0

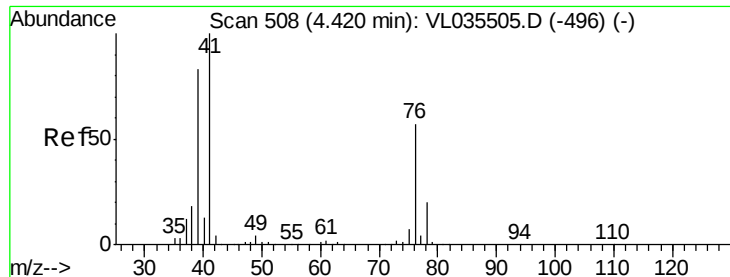


#20

Methylene Chloride
 Concen: 9.324 ppbv
 RT: 4.34 min Scan# 482
 Delta R.T. -0.02 min
 Lab File: VL035553.D
 Acq: 8 Sep 2020 11:57

Tgt Ion: 84 Resp: 833947
 Ion Ratio Lower Upper
 84 100
 49 82.8 65.4 98.0
 51 26.2 21.5 32.3
 86 64.8 52.9 79.3

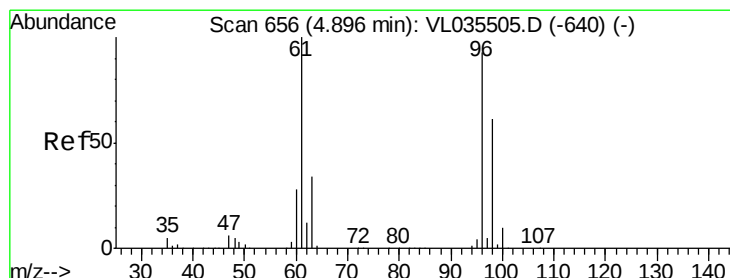
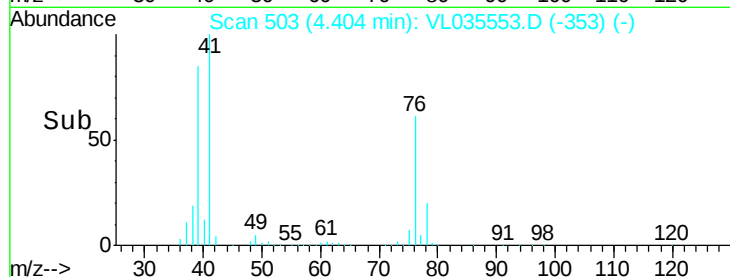
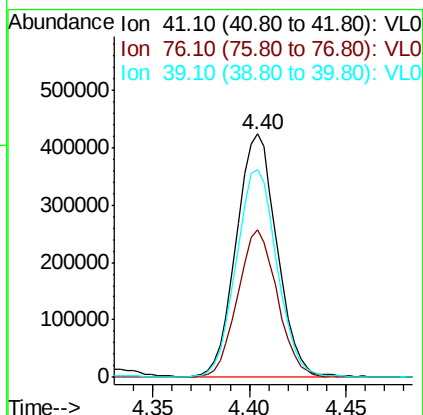
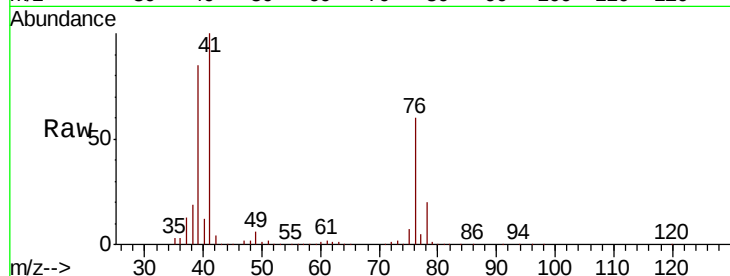




#21
Allvl Chloride
Concen: 10.951 ppbv
RT: 4.40 min Scan# 503
Delta R.T. -0.02 min
Lab File: VL035553.D
Acq: 8 Sep 2020 11:57

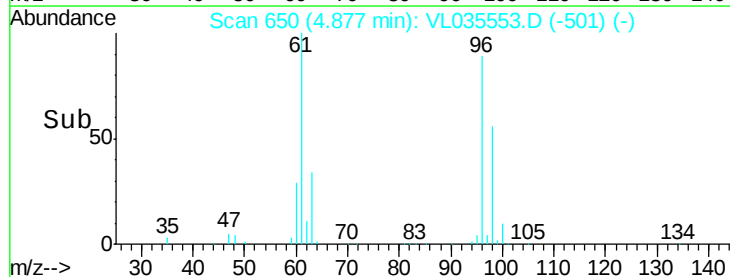
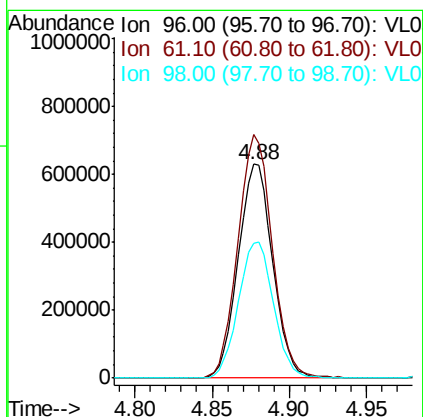
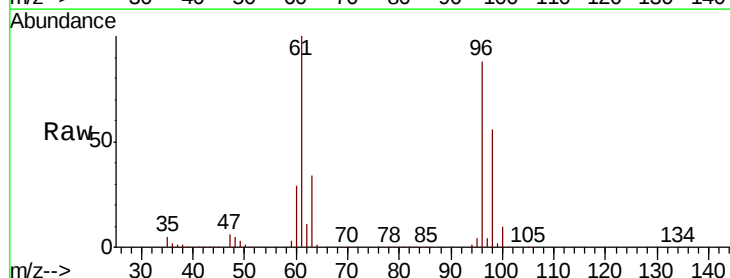
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

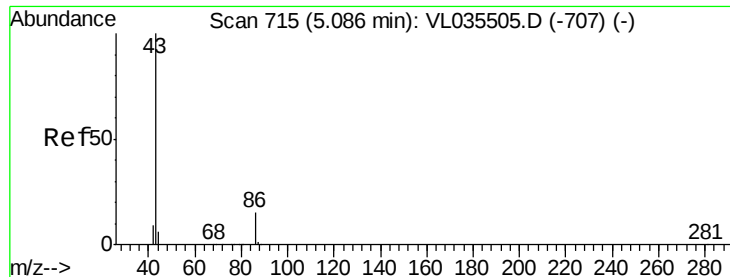
Tot Ion: 41 Resp: 616144
Ion Ratio Lower Upper
41 100
76 59.7 46.2 69.2
39 86.3 67.8 101.6



#22
trans-1,2-Dichloroethene
Concen: 10.068 ppbv
RT: 4.88 min Scan# 650
Delta R.T. -0.02 min
Lab File: VL035553.D
Acq: 8 Sep 2020 11:57

Tgt Ion: 96 Resp: 980297
Ion Ratio Lower Upper
96 100
61 113.9 86.0 129.0
98 63.4 52.3 78.5





#23

Vinyl Acetate

Concen: 10.603 ppbv

RT: 5.07 min Scan# 710

Delta R.T. -0.02 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1634322

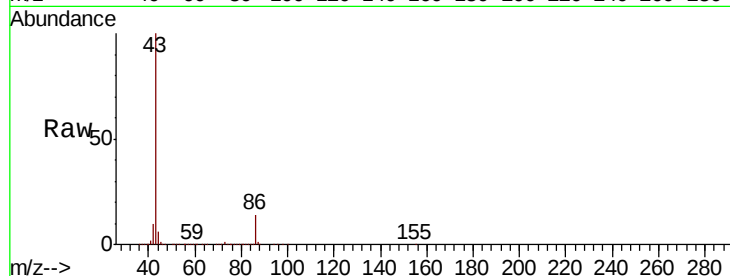
Ion Ratio Lower Upper

43 100

86 13.7 10.6 16.0

42 9.9 7.5 11.3

44 5.4 4.4 6.6

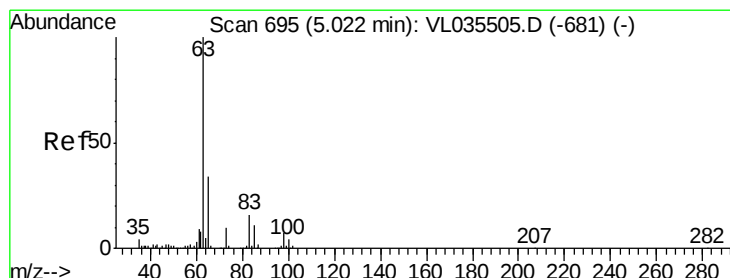
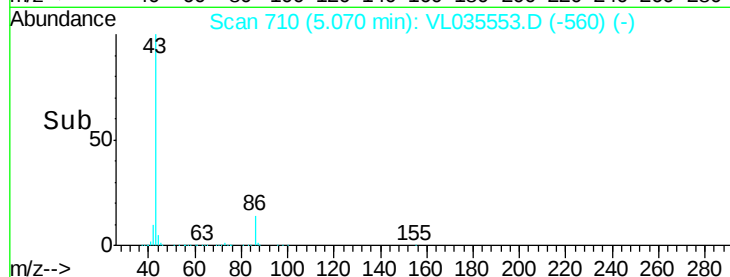
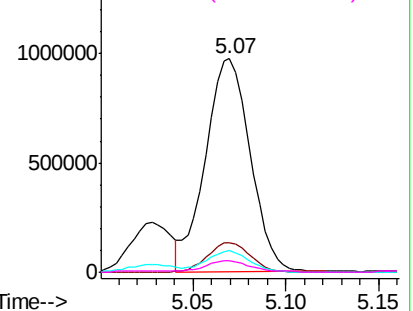


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 10.056 ppbv

RT: 5.01 min Scan# 690

Delta R.T. -0.02 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

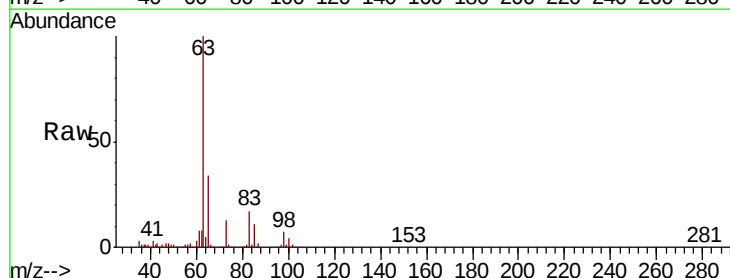
Tgt Ion: 63 Resp: 1595093

Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.1

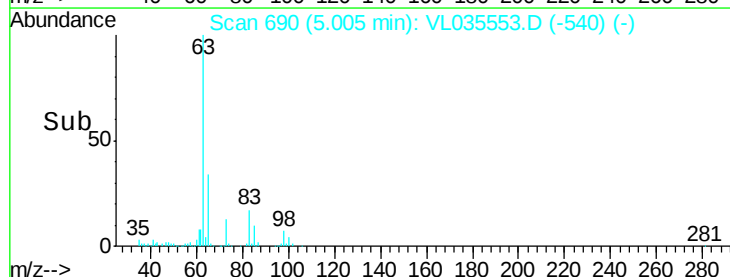
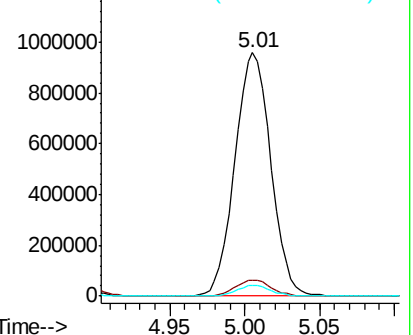
100 4.2 2.1 6.5

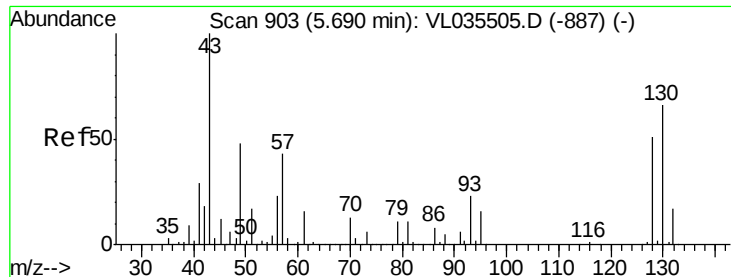


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

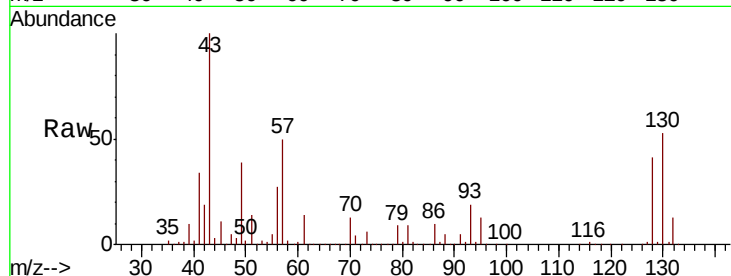




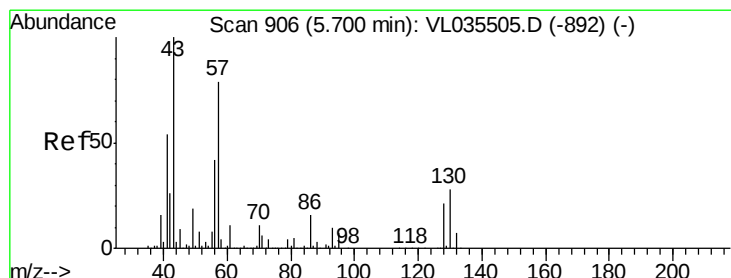
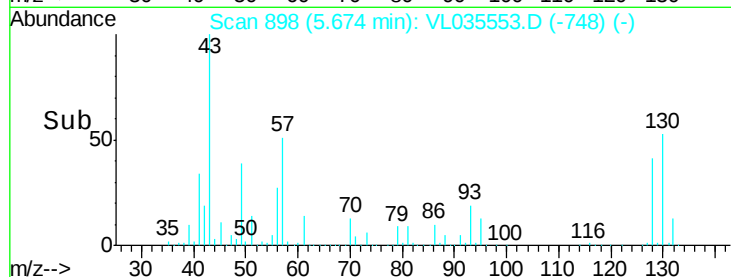
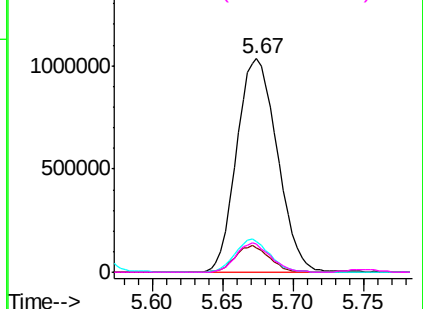
#25
Ethyl Acetate
Concen: 9.820 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.02 min
Lab File: VL035553.D
Acq: 8 Sep 2020 11:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 2083335
Ion Ratio Lower Upper
43 100
45 10.8 8.4 12.6
61 13.5 10.6 16.0
70 11.8 9.4 14.2

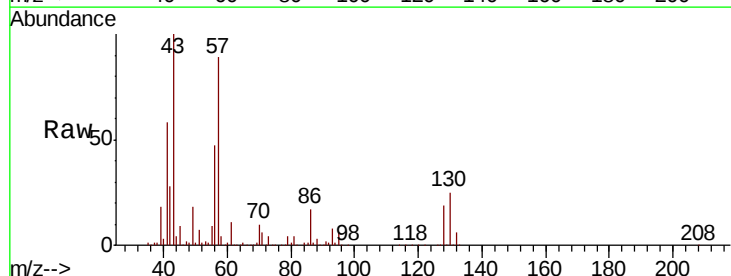


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

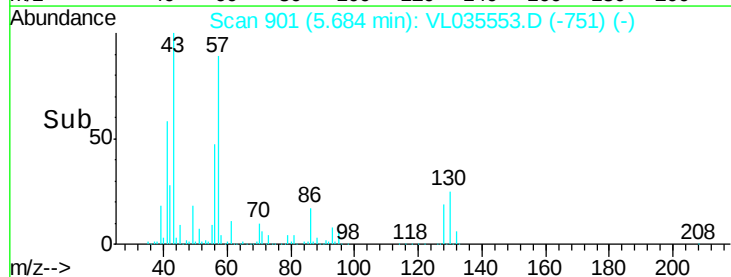
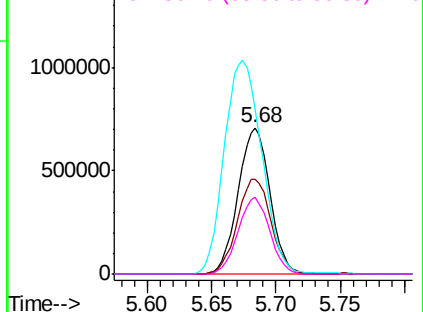


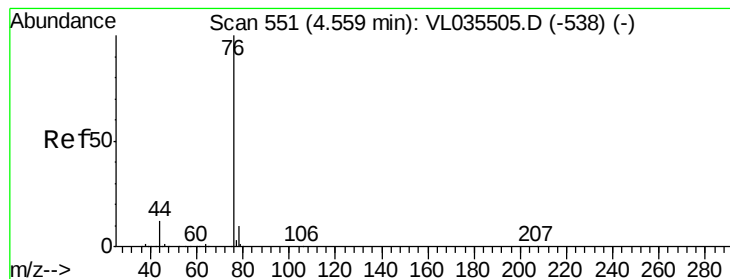
#26
Hexane
Concen: 10.097 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.02 min
Lab File: VL035553.D
Acq: 8 Sep 2020 11:57

Tgt Ion: 57 Resp: 1213703
Ion Ratio Lower Upper
57 100
41 69.5 55.9 83.9
43 172.1 141.8 212.8
56 52.1 41.8 62.8



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: 11.609 ppbv

RT: 4.54 min Scan# 546

Delta R.T. -0.02 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

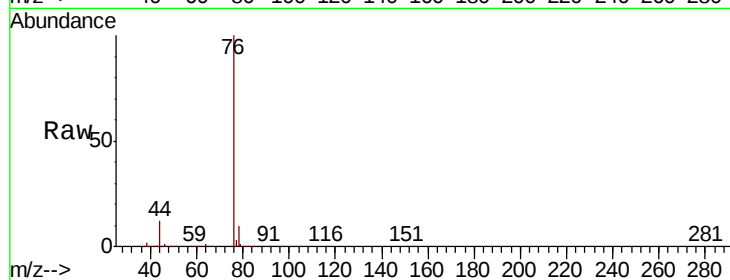
Tot Ion: 76 Resp: 2002589

Ion Ratio Lower Upper

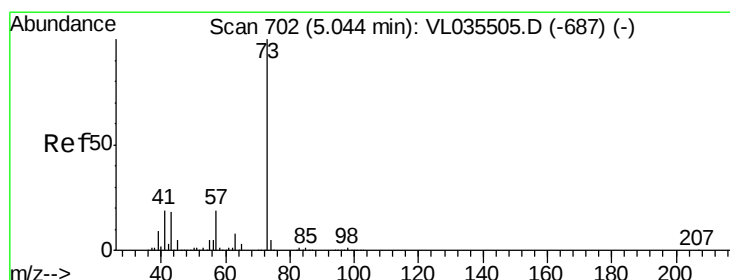
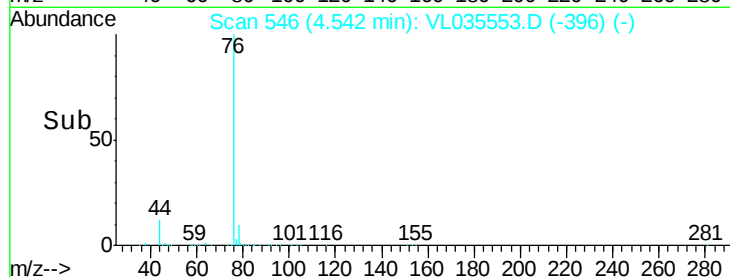
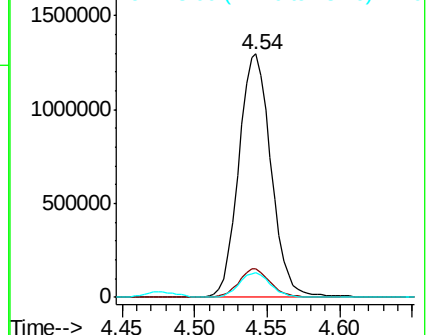
76 100

44 11.4 9.3 13.9

78 9.8 7.8 11.6



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: 10.715 ppbv

RT: 5.03 min Scan# 697

Delta R.T. -0.02 min

Lab File: VL035553.D

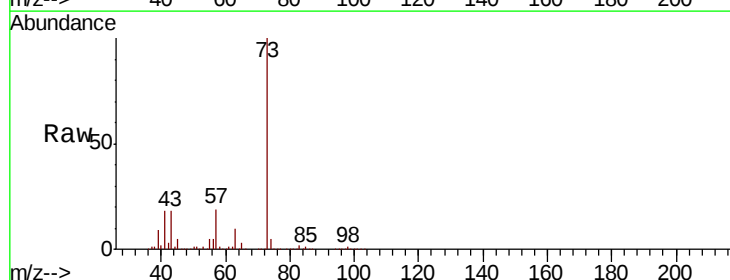
Acq: 8 Sep 2020 11:57

Tgt Ion: 73 Resp: 2244805

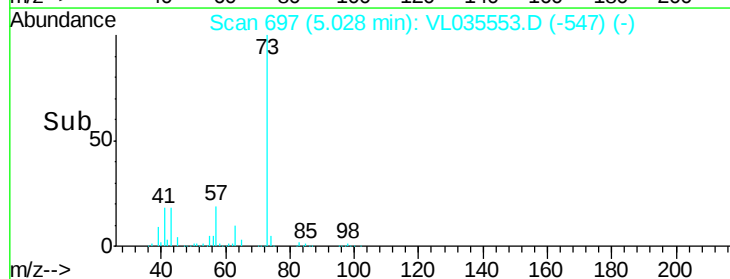
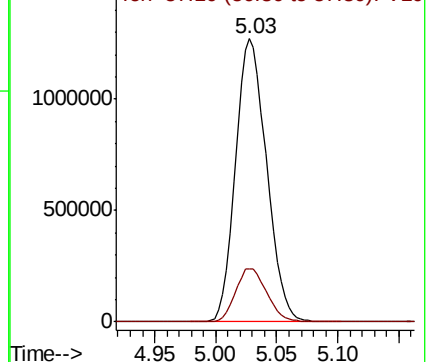
Ion Ratio Lower Upper

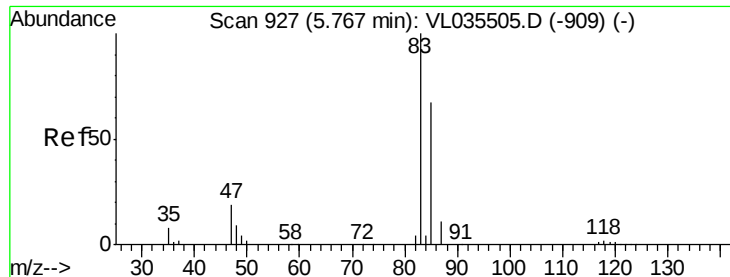
73 100

57 19.1 15.2 22.8



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

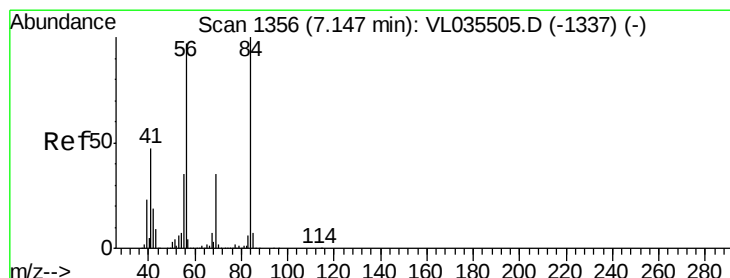
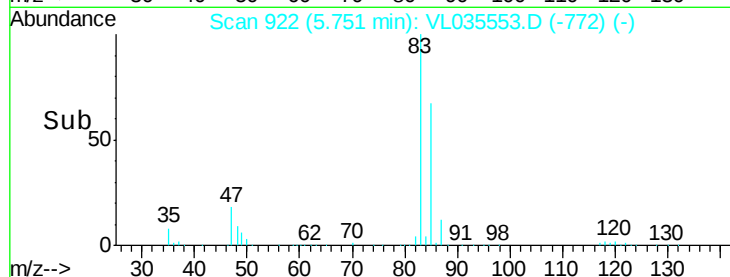
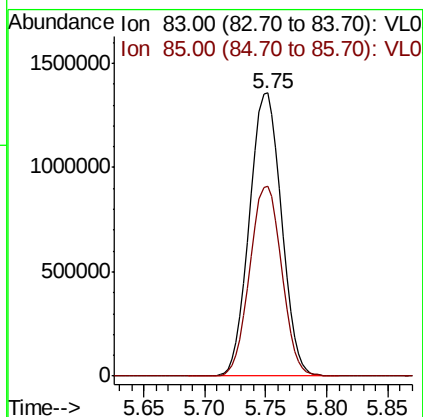
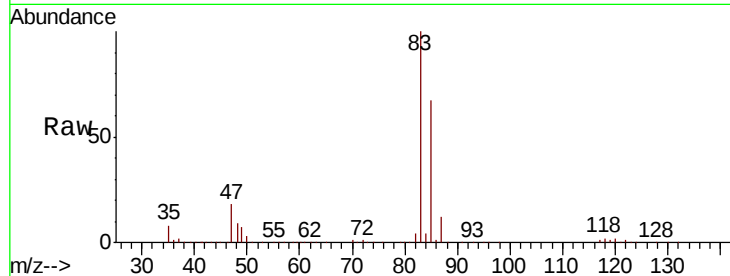




#29
Chloroform
Concen: 10.032 ppbv
RT: 5.75 min Scan# 922
Delta R.T. -0.02 min
Lab File: VL035553.D
Acq: 8 Sep 2020 11:57

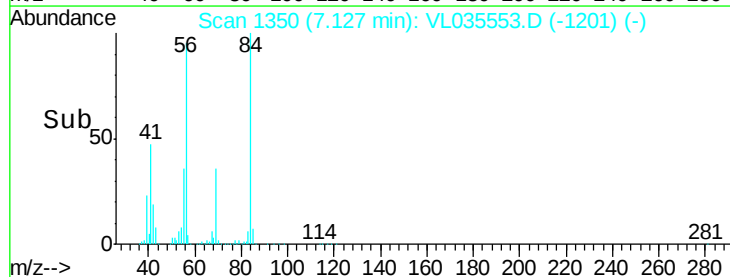
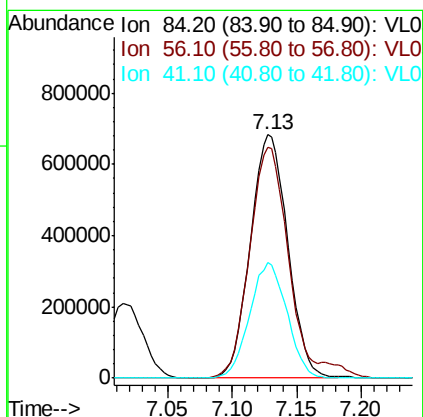
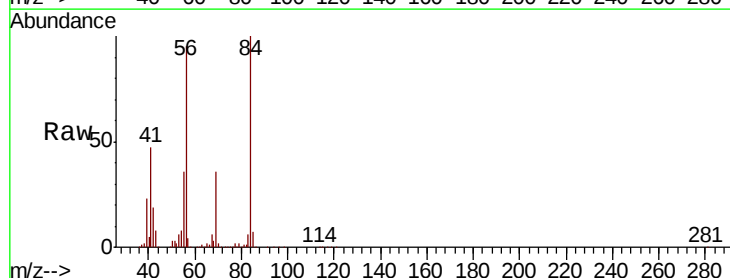
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

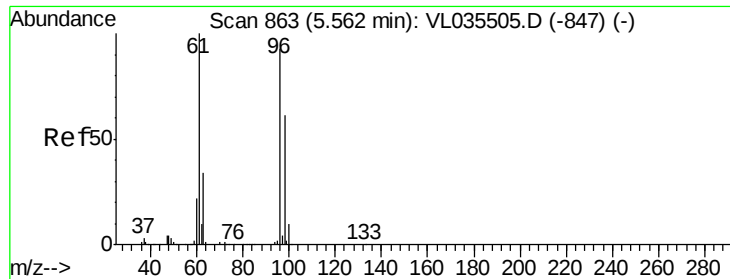
Tot Ion: 83 Resp: 2457121
Ion Ratio Lower Upper
83 100
85 66.8 53.9 80.9



#30
Cyclohexane
Concen: 10.729 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. -0.02 min
Lab File: VL035553.D
Acq: 8 Sep 2020 11:57

Tgt Ion: 84 Resp: 1381681
Ion Ratio Lower Upper
84 100
56 100.6 80.1 120.1
41 47.2 38.1 57.1



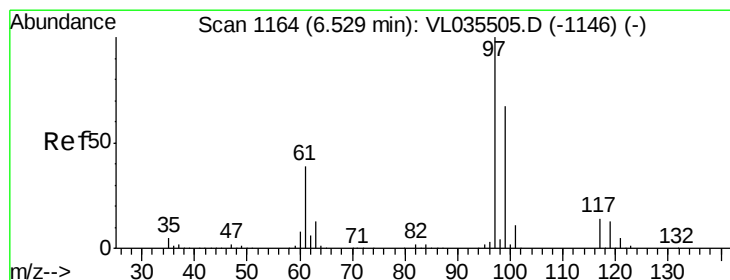
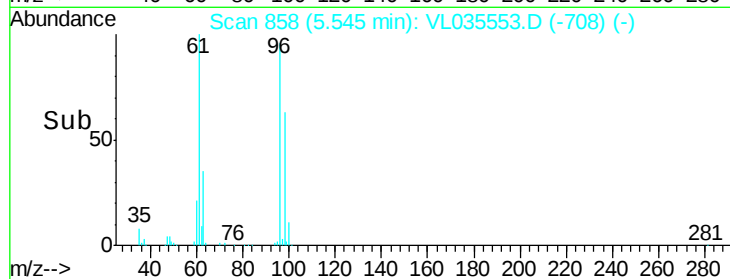
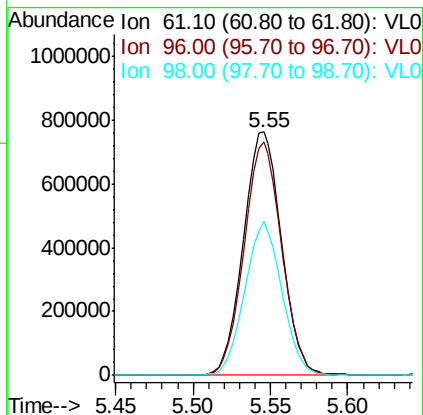
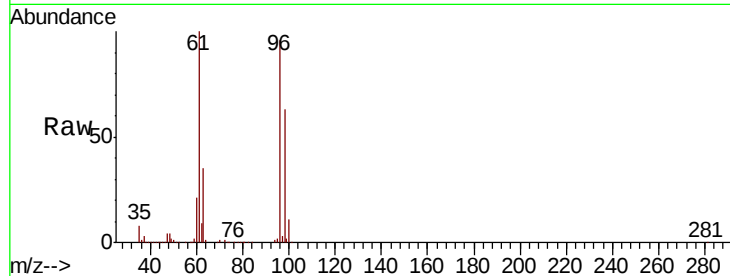


#31

cis-1,2-Dichloroethene
 Concen: 10.626 ppbv
 RT: 5.55 min Scan# 858
 Delta R.T. -0.02 min
 Lab File: VL035553.D
 Acq: 8 Sep 2020 11:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

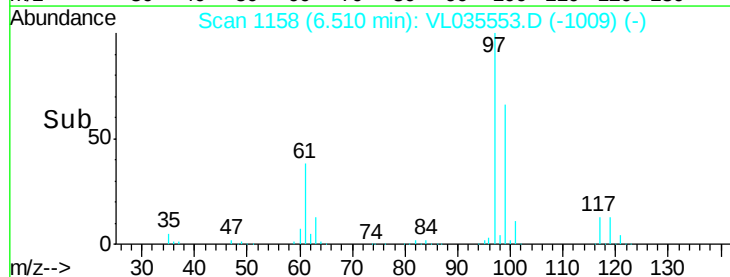
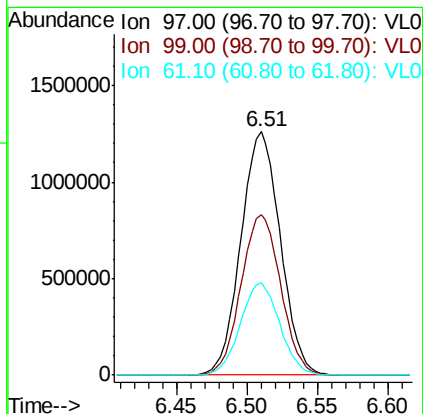
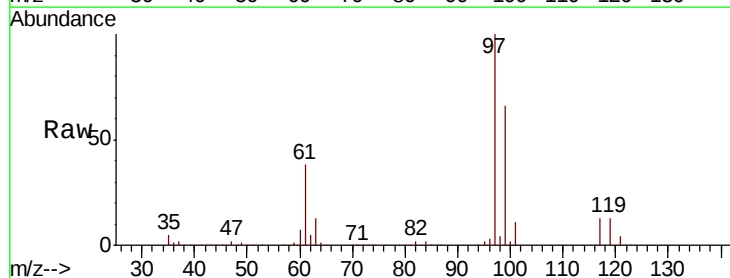
Tot Ion: 61 Resp: 1310494
 Ion Ratio Lower Upper
 61 100
 96 95.7 74.4 111.6
 98 63.1 49.2 73.8

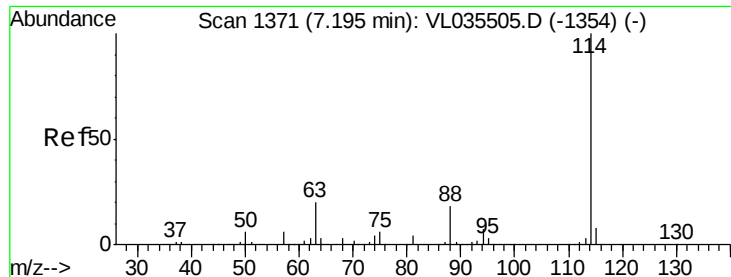


#32

1,1,1-Trichloroethane
 Concen: 10.412 ppbv
 RT: 6.51 min Scan# 1158
 Delta R.T. -0.02 min
 Lab File: VL035553.D
 Acq: 8 Sep 2020 11:57

Tgt Ion: 97 Resp: 2473941
 Ion Ratio Lower Upper
 97 100
 99 66.4 53.3 79.9
 61 37.9 30.6 46.0

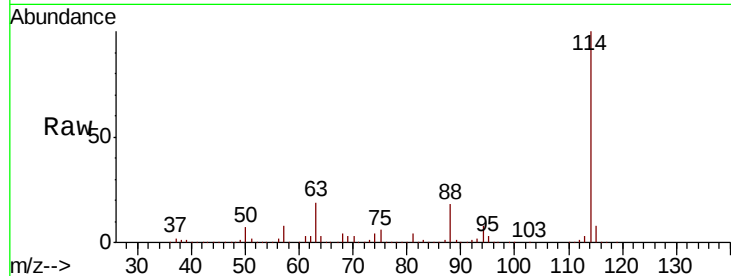




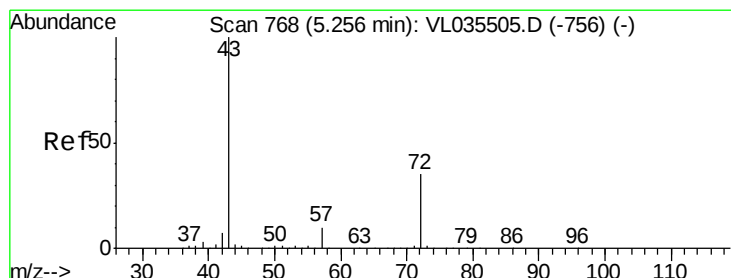
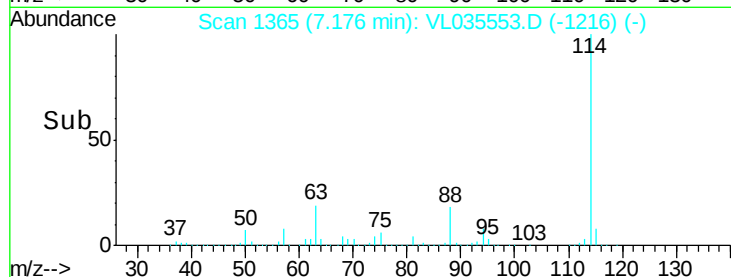
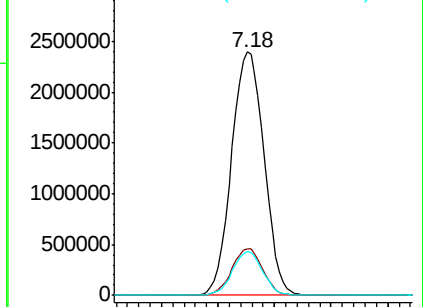
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.02 min
 Lab File: VL035553.D
 Acq: 8 Sep 2020 11:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:114 Resp: 4800934
 Ion Ratio Lower Upper
 114 100
 63 18.5 14.7 22.1
 88 16.8 13.4 20.2

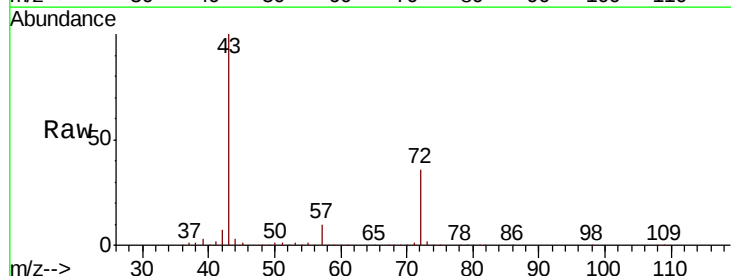


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

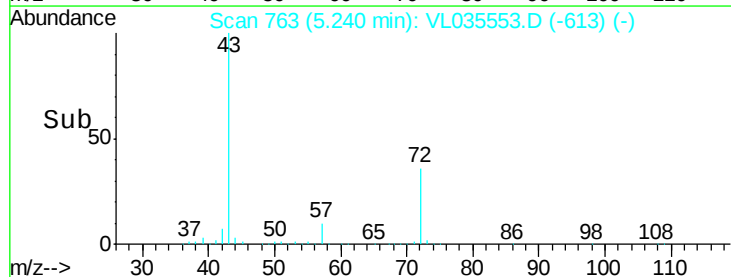
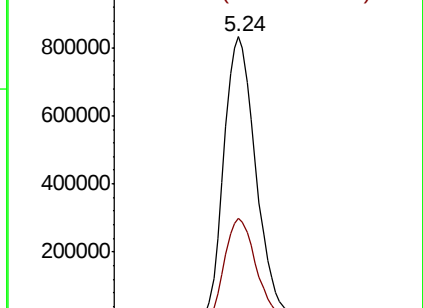


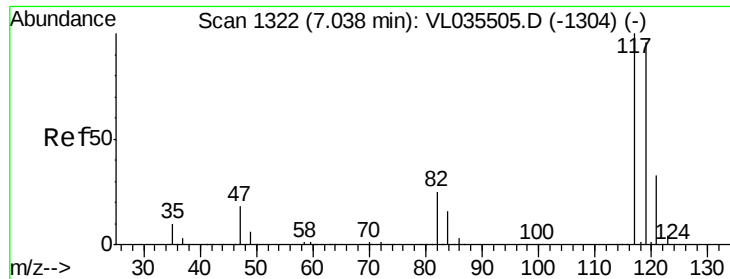
#34
 2-Butanone
 Concen: 10.091 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. -0.02 min
 Lab File: VL035553.D
 Acq: 8 Sep 2020 11:57

Tgt Ion: 43 Resp: 1437768
 Ion Ratio Lower Upper
 43 100
 72 35.5 27.7 41.5



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



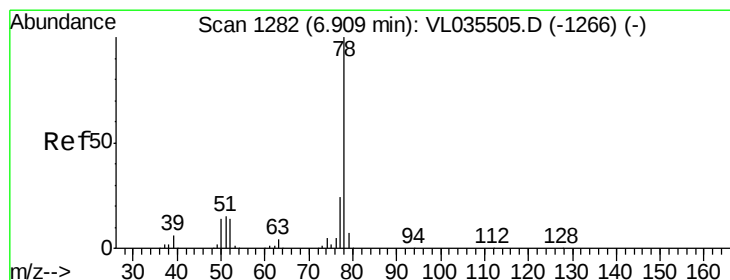
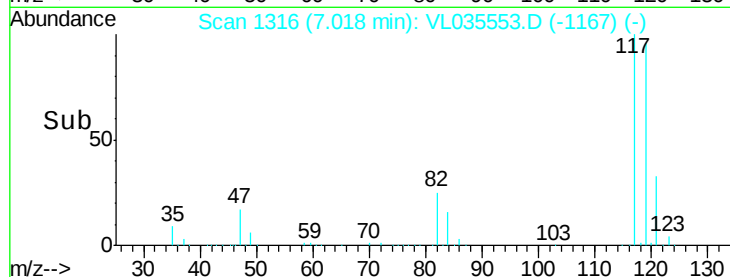
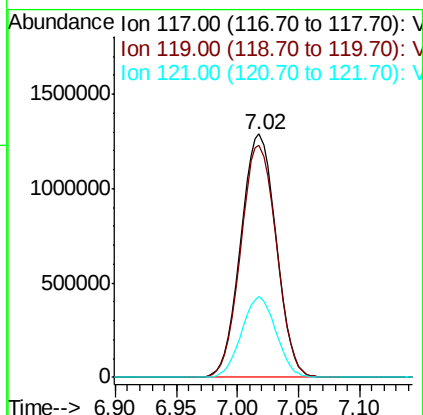
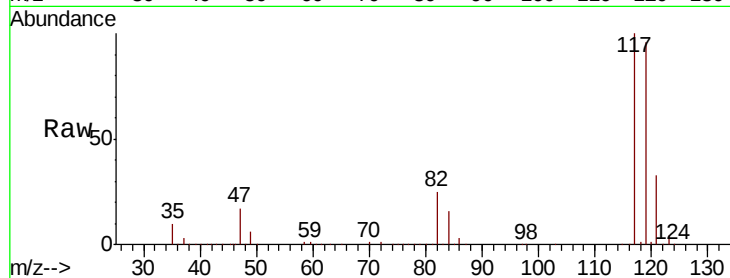


#35

Carbon Tetrachloride
Concen: 10.674 ppbv
RT: 7.02 min Scan# 1316
Delta R.T. -0.02 min
Lab File: VL035553.D
Acq: 8 Sep 2020 11:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

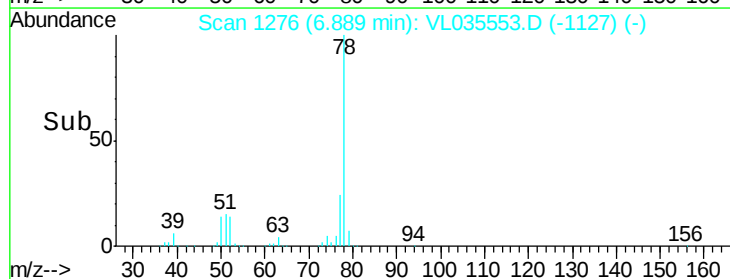
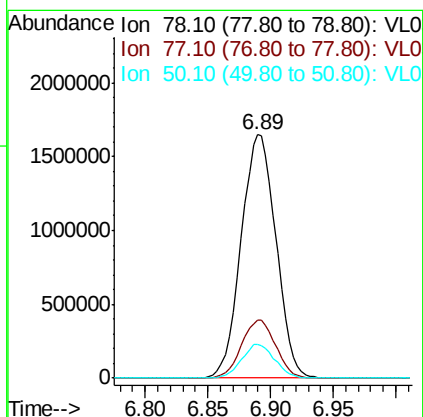
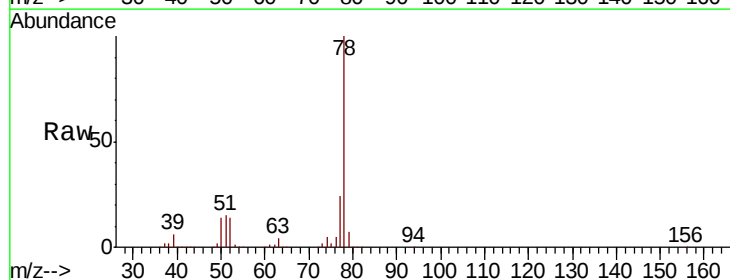
Tot Ion:117 Resp: 2575620
Ion Ratio Lower Upper
117 100
119 95.5 77.2 115.8
121 33.1 26.1 39.1

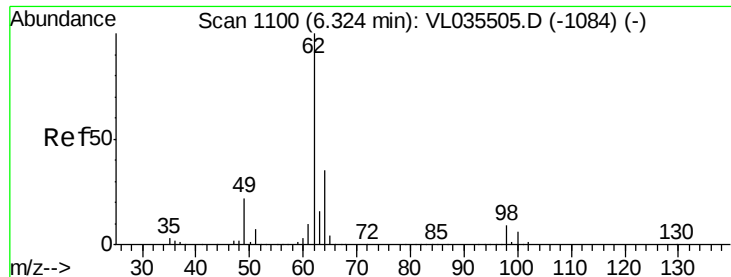


#36

Benzene
Concen: 10.248 ppbv
RT: 6.89 min Scan# 1276
Delta R.T. -0.02 min
Lab File: VL035553.D
Acq: 8 Sep 2020 11:57

Tgt Ion: 78 Resp: 3184796
Ion Ratio Lower Upper
78 100
77 23.8 19.3 28.9
50 13.8 11.0 16.6

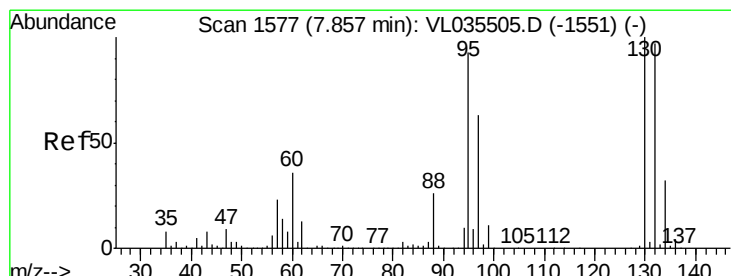
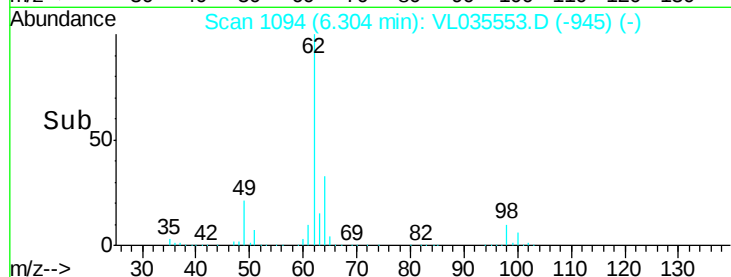
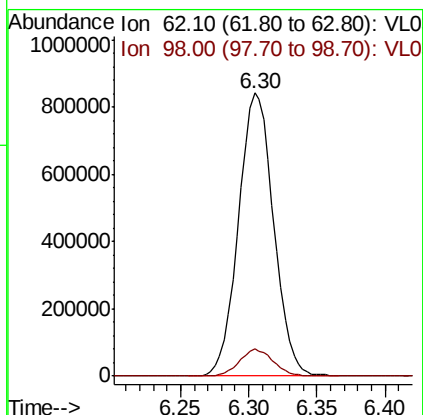
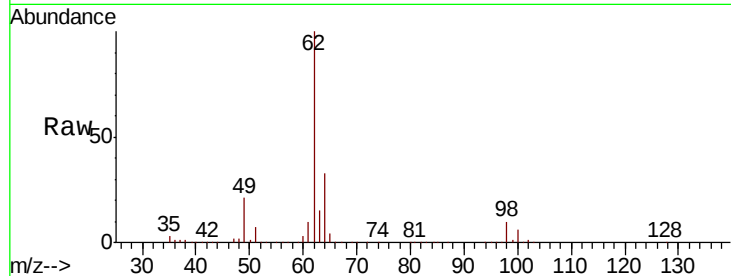




#37
 1,2-Dichloroethane
 Concen: 10.147 ppbv
 RT: 6.30 min Scan# 1094
 Delta R.T. -0.02 min
 Lab File: VL035553.D
 Acq: 8 Sep 2020 11:57

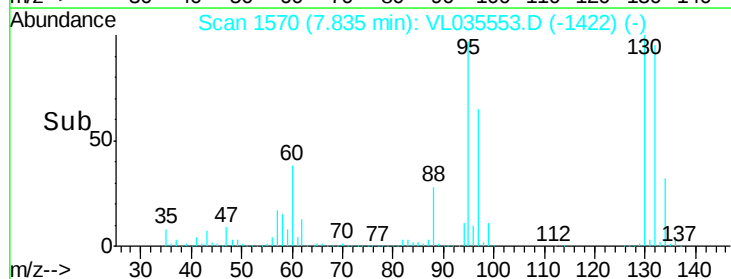
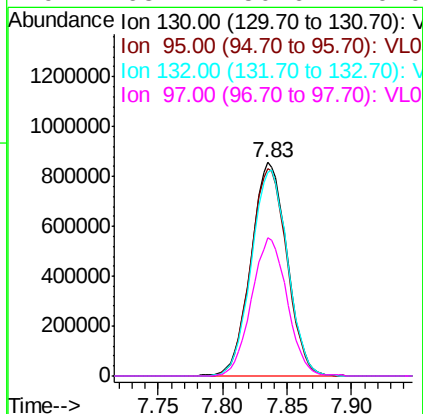
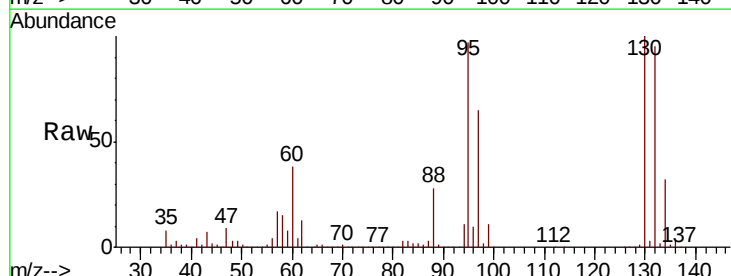
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

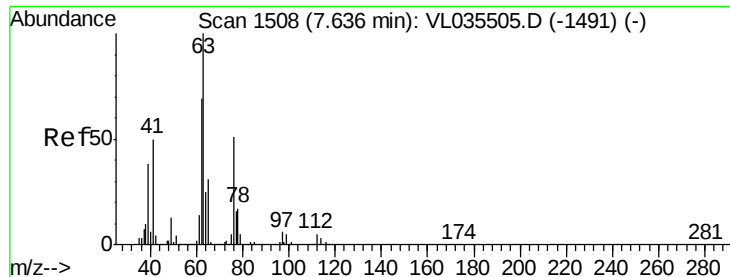
Tot Ion: 62 Resp: 1503450
 Ion Ratio Lower Upper
 62 100
 98 9.3 7.4 11.0



#38
 Trichloroethene
 Concen: 9.235 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. -0.02 min
 Lab File: VL035553.D
 Acq: 8 Sep 2020 11:57

Tgt Ion:130 Resp: 1667009
 Ion Ratio Lower Upper
 130 100
 95 97.4 74.6 112.0
 132 95.6 77.6 116.4
 97 65.1 50.6 76.0





#39

1,2-Dichloropropane

Concen: 10.165 ppbv

RT: 7.62 min Scan# 1502

Delta R.T. -0.02 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

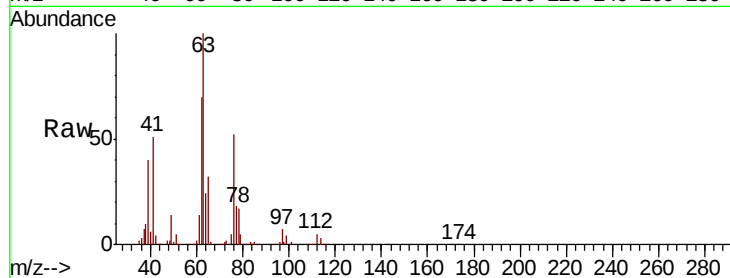
Tot Ion: 63 Resp: 1067138

Ion Ratio Lower Upper

63 100

41 50.7 40.0 60.0

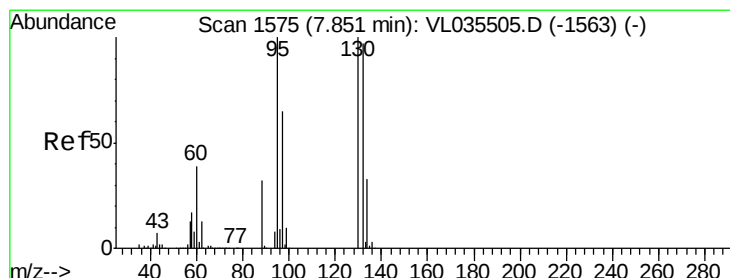
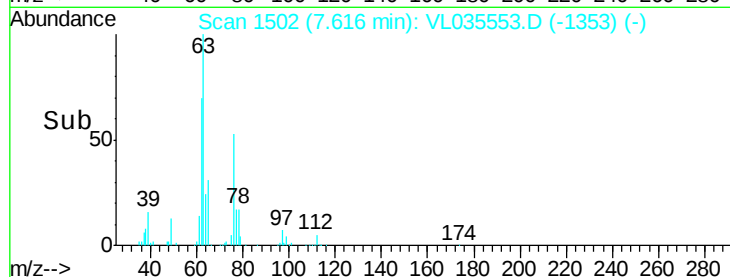
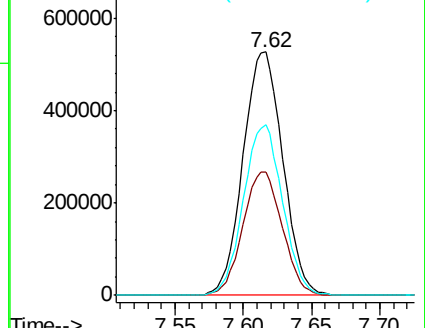
62 70.0 55.4 83.0



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 10.660 ppbv

RT: 7.83 min Scan# 1569

Delta R.T. -0.02 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

Tgt Ion: 88 Resp: 559071

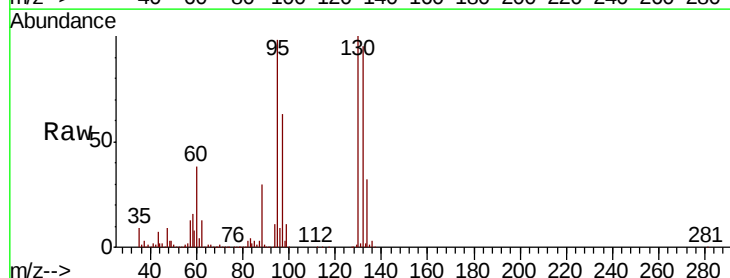
Ion Ratio Lower Upper

88 100

58 88.1 68.7 103.1

43 0.0 104.3 156.5#

57 0.0 560.7 841.1#

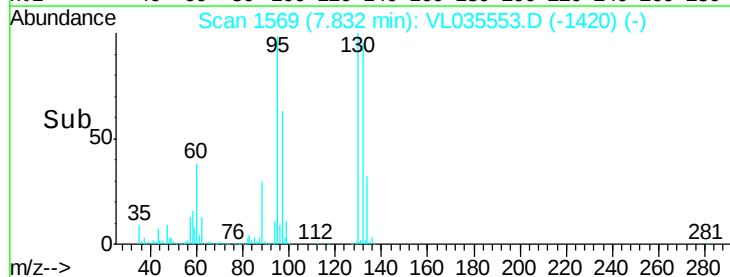
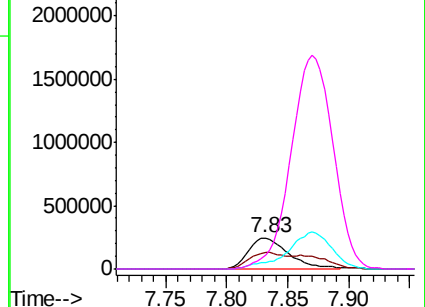


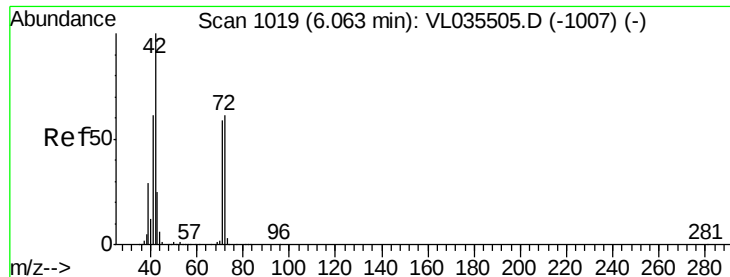
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 10.886 ppbv

RT: 6.04 min Scan# 1013

Delta R.T. -0.02 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

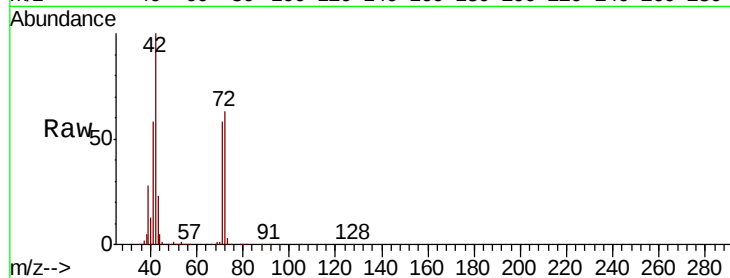
Tot Ion: 42 Resp: 822461

Ion Ratio Lower Upper

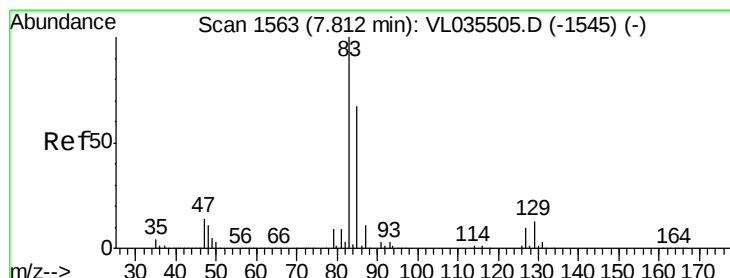
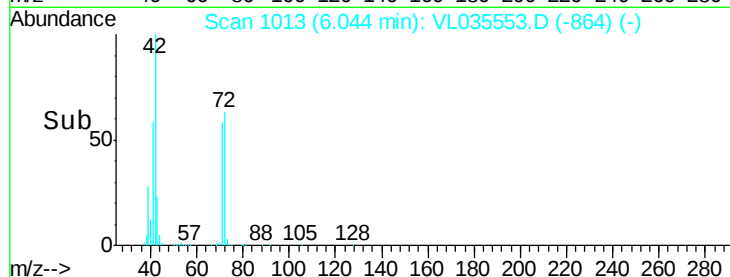
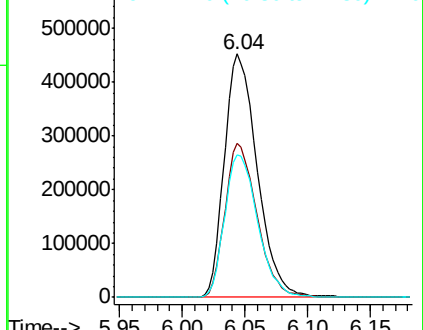
42 100

72 61.8 48.6 73.0

71 59.2 46.1 69.1



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 10.960 ppbv

RT: 7.79 min Scan# 1557

Delta R.T. -0.02 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

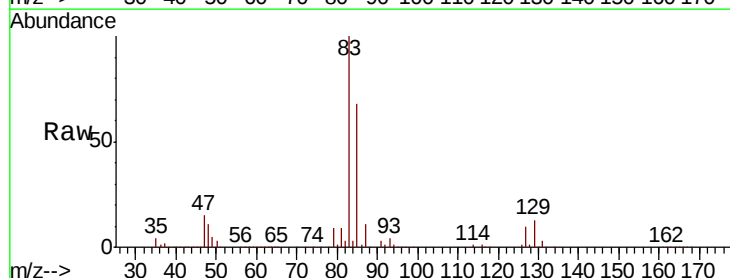
Tgt Ion: 83 Resp: 2626033

Ion Ratio Lower Upper

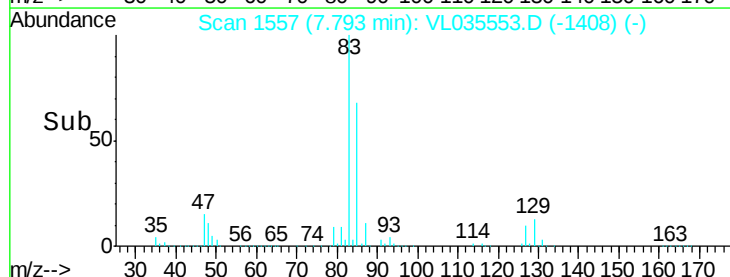
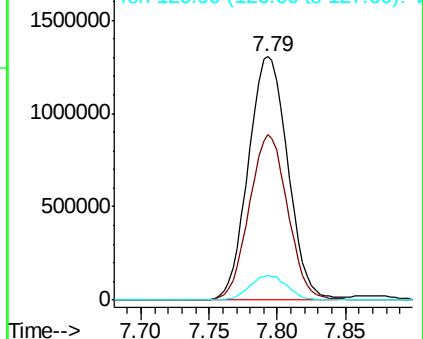
83 100

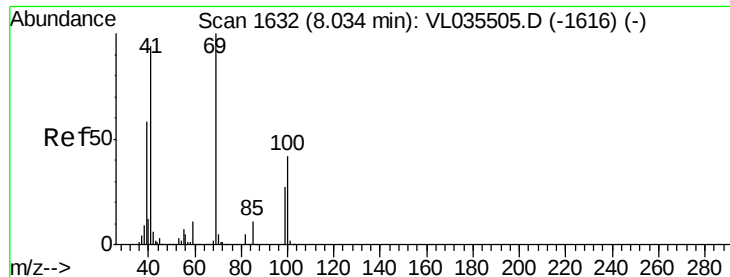
85 68.2 53.7 80.5

127 10.1 8.1 12.1



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V

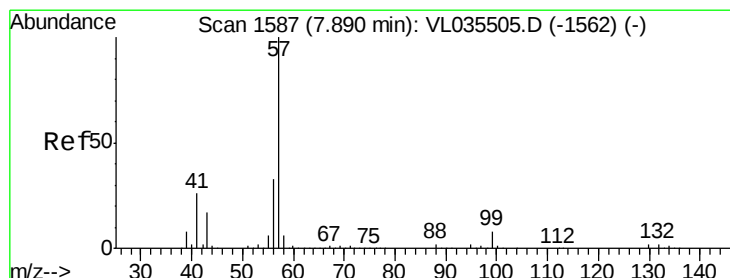
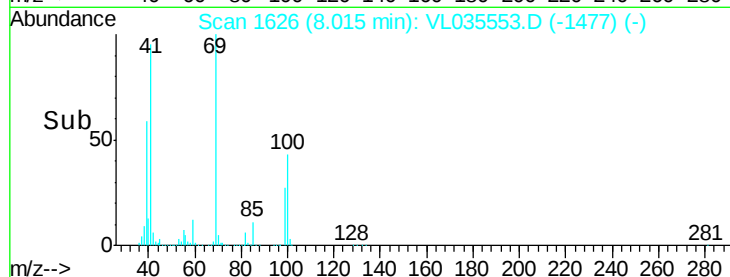
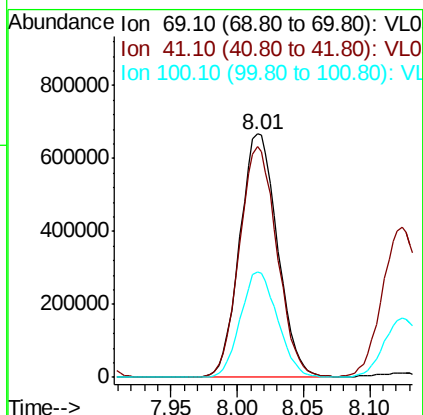
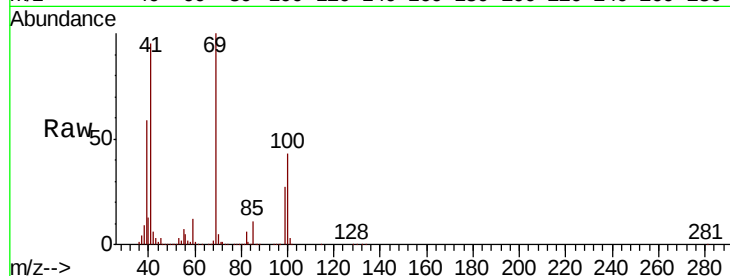




#43
Methvl Methacrilate
Concen: 10.989 ppbv
RT: 8.01 min Scan# 1626
Delta R.T. -0.02 min
Lab File: VL035553.D
Acq: 8 Sep 2020 11:57

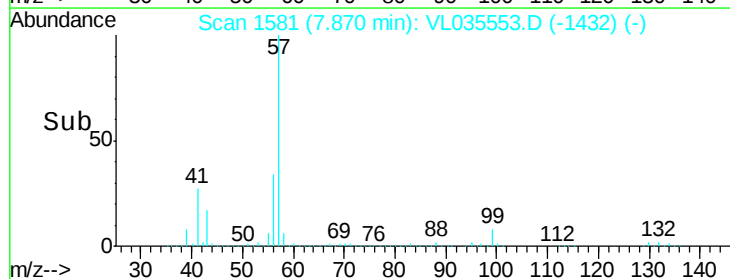
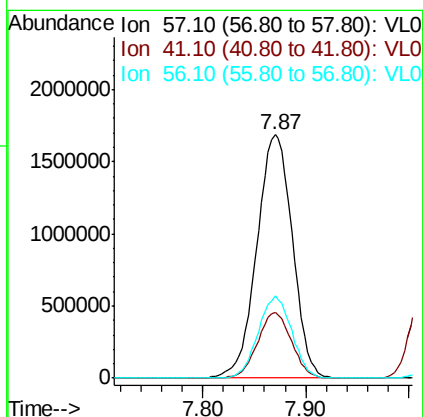
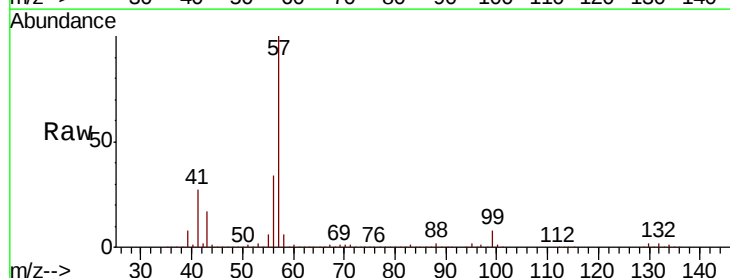
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

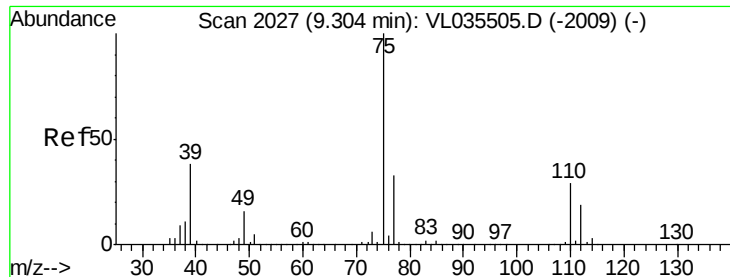
Tot Ion: 69 Resp: 1320555
Ion Ratio Lower Upper
69 100
41 94.5 76.6 114.8
100 42.5 33.8 50.6



#44
2,2,4-Trimethylpentane
Concen: 9.872 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. -0.02 min
Lab File: VL035553.D
Acq: 8 Sep 2020 11:57

Tgt Ion: 57 Resp: 4036725
Ion Ratio Lower Upper
57 100
41 25.6 20.5 30.7
56 31.9 25.3 37.9





#45

t-1,3-Dichloropropene

Concen: 12.464 ppbv

RT: 9.28 min Scan# 2020

Delta R.T. -0.02 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

Instrument :

MSVOA_L

ClientSampleId :

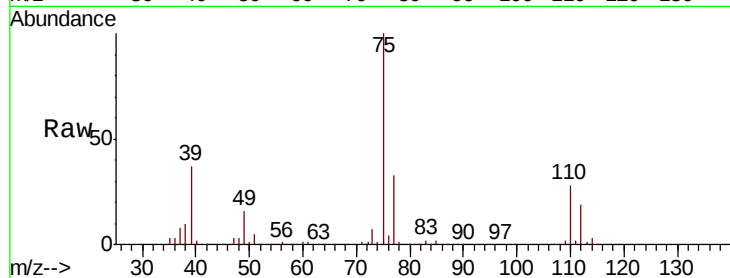
VSTDCCC010

Tot Ion: 75 Resp: 1517276

Ion Ratio Lower Upper

75 100

77 32.9 26.5 39.7



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.28

800000

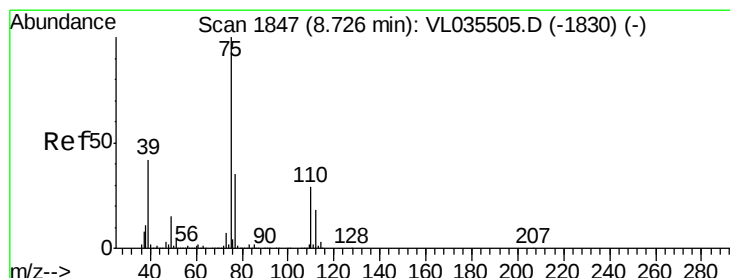
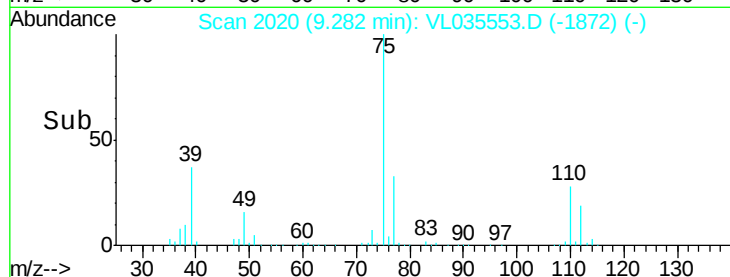
600000

400000

200000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 11.856 ppbv

RT: 8.71 min Scan# 1841

Delta R.T. -0.02 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

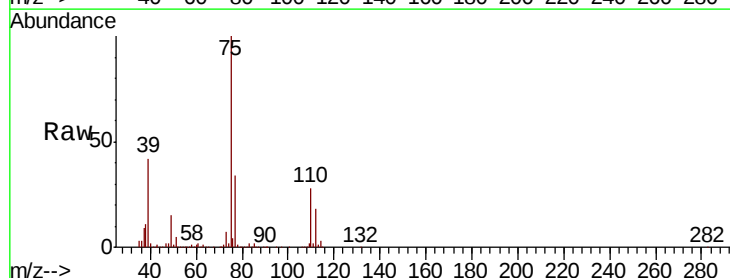
Tgt Ion: 75 Resp: 1791972

Ion Ratio Lower Upper

75 100

39 41.8 33.7 50.5

77 33.8 27.8 41.6



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

1200000

1000000

800000

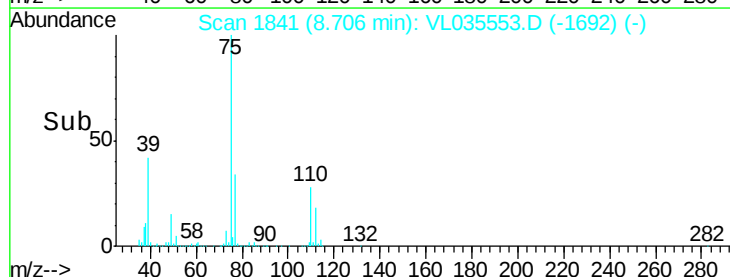
600000

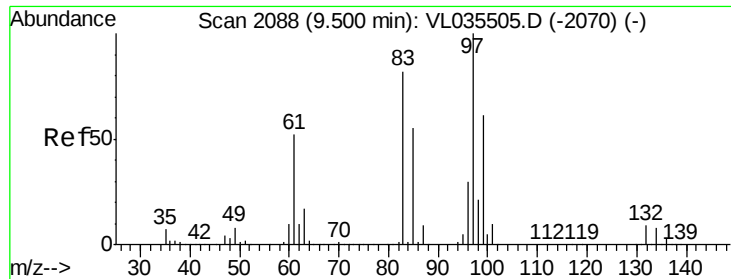
400000

200000

0

Time-->



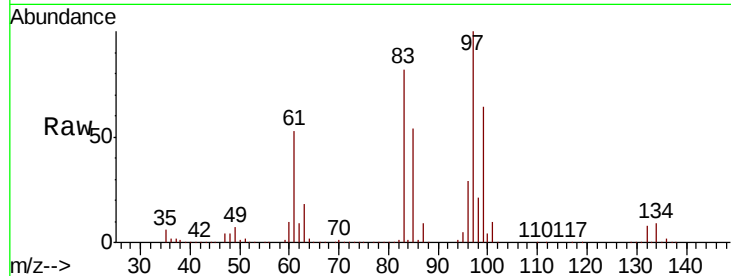


#47
 1,1,2-Trichloroethane
 Concen: 10.202 ppbv
 RT: 9.48 min Scan# 2082
 Delta R.T. -0.02 min
 Lab File: VL035553.D
 Acq: 8 Sep 2020 11:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 97 Resp: 1580342

Ion	Ratio	Lower	Upper
97	100		
83	82.3	65.4	98.2
85	53.8	43.7	65.5
99	64.1	49.1	73.7



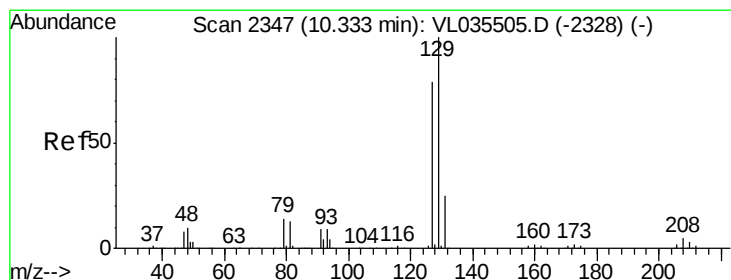
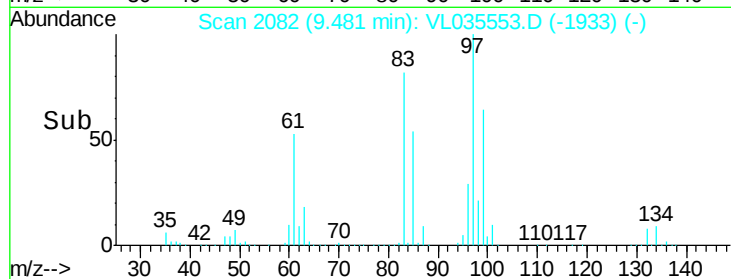
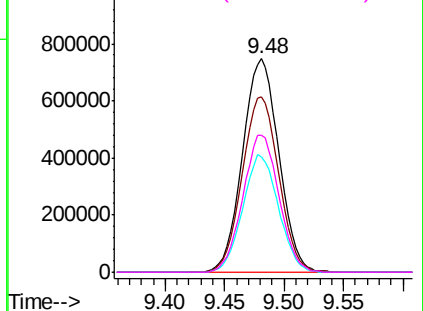
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

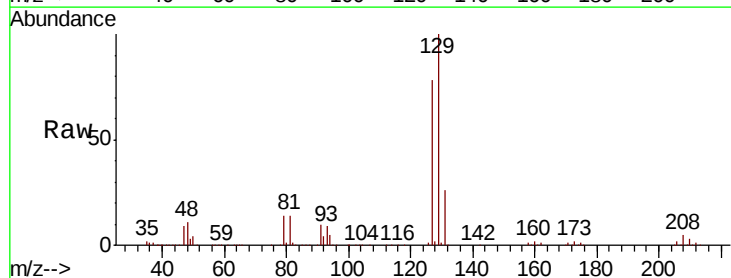
Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 11.239 ppbv
 RT: 10.31 min Scan# 2340
 Delta R.T. -0.02 min
 Lab File: VL035553.D
 Acq: 8 Sep 2020 11:57

Tgt Ion: 129 Resp: 2740220

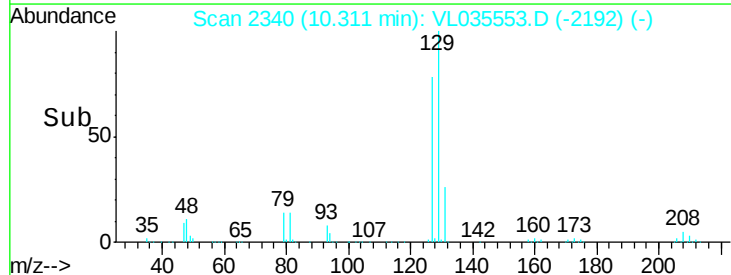
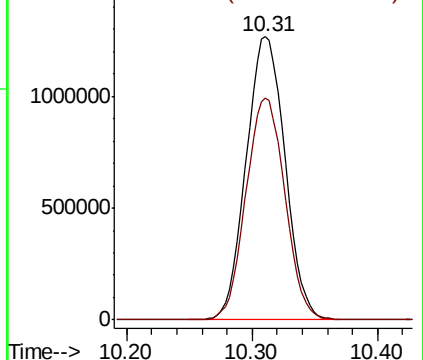
Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.3	117.8

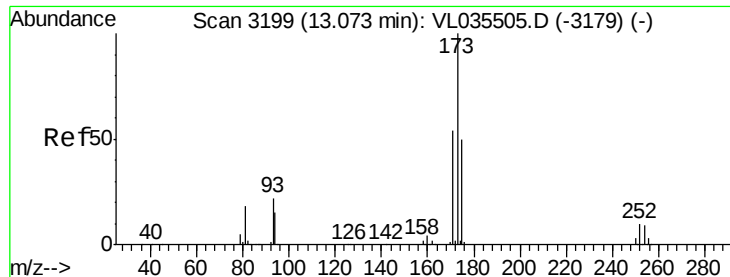


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.650 ppbv

RT: 13.05 min Scan# 3192

Delta R.T. -0.02 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

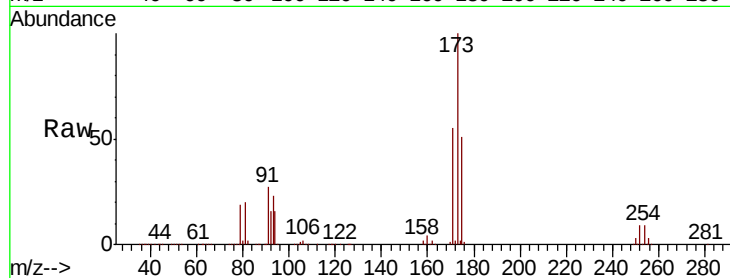
Tot Ion:173 Resp: 2574135

Ion Ratio Lower Upper

173 100

175 50.2 39.8 59.8

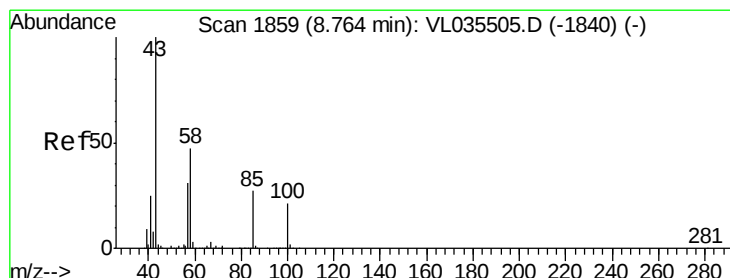
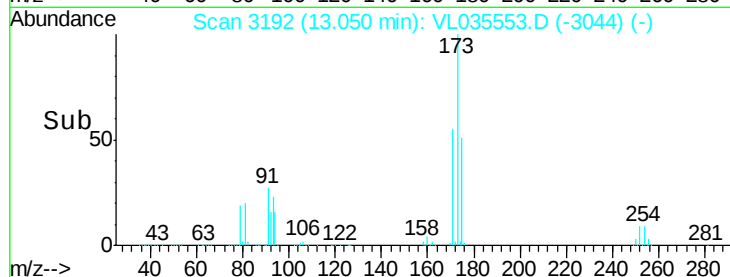
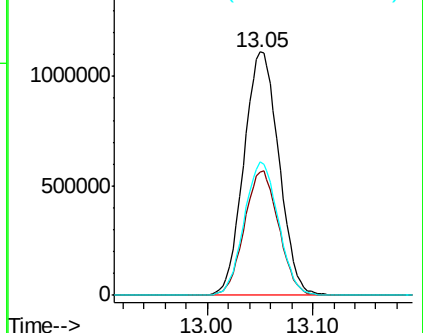
171 53.6 42.4 63.6



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: 10.420 ppbv

RT: 8.74 min Scan# 1852

Delta R.T. -0.02 min

Lab File: VL035553.D

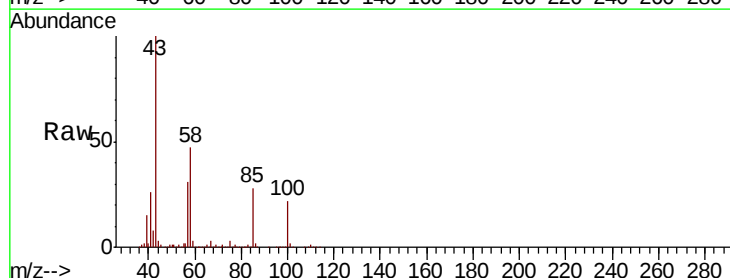
Acq: 8 Sep 2020 11:57

Tgt Ion: 43 Resp: 2149748

Ion Ratio Lower Upper

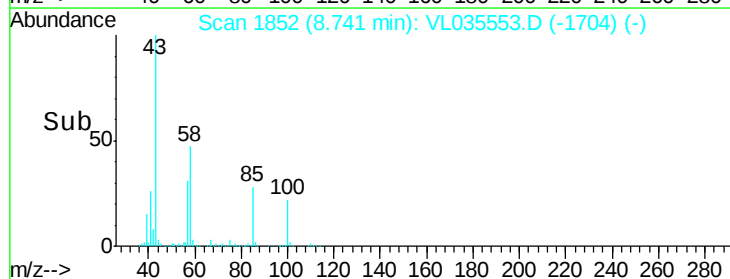
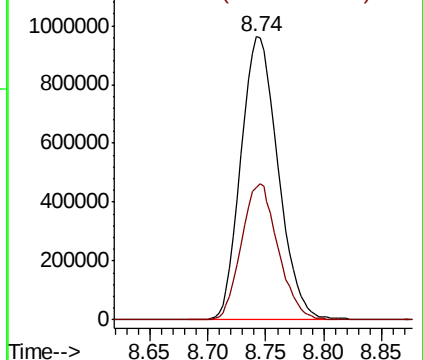
43 100

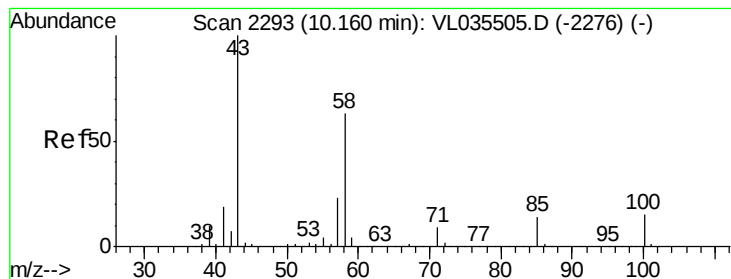
58 47.7 37.4 56.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.997 ppbv

RT: 10.14 min Scan# 2287

Delta R.T. -0.02 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

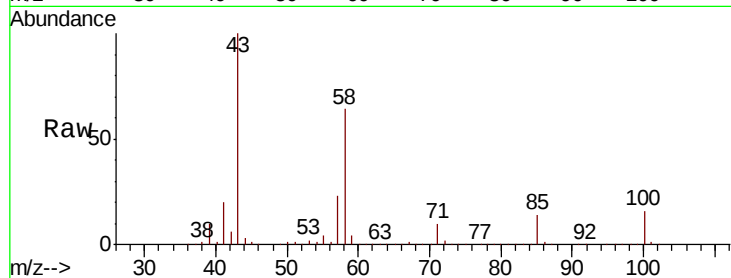
Tot Ion: 43 Resp: 1861107

Ion Ratio Lower Upper

43 100

58 63.8 50.2 75.4

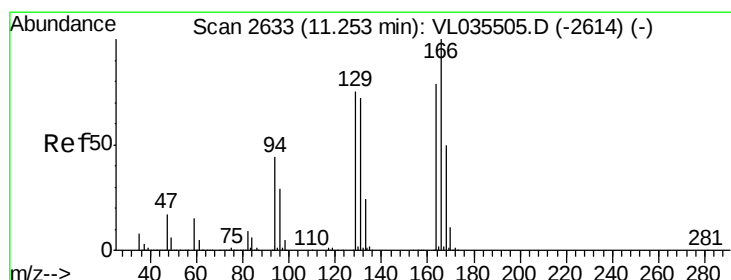
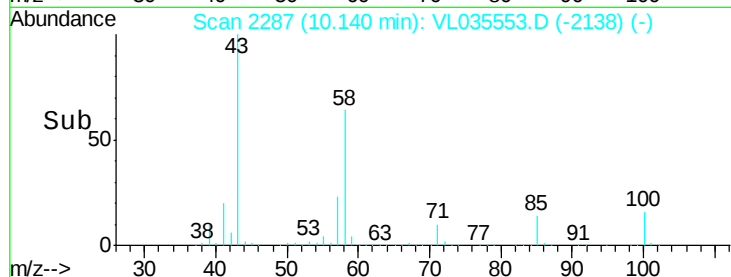
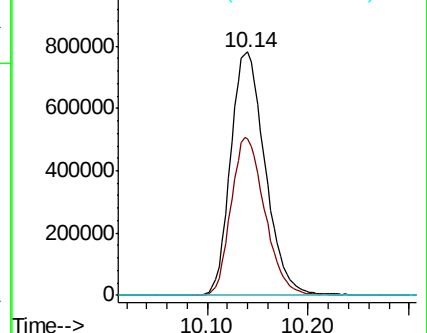
98 0.4 0.4 0.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 9.391 ppbv

RT: 11.23 min Scan# 2626

Delta R.T. -0.02 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

Tgt Ion: 164 Resp: 1704965

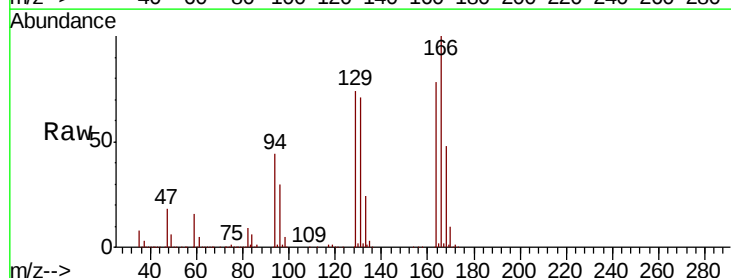
Ion Ratio Lower Upper

164 100

166 127.7 100.9 151.3

129 94.9 75.3 112.9

131 91.3 73.0 109.4

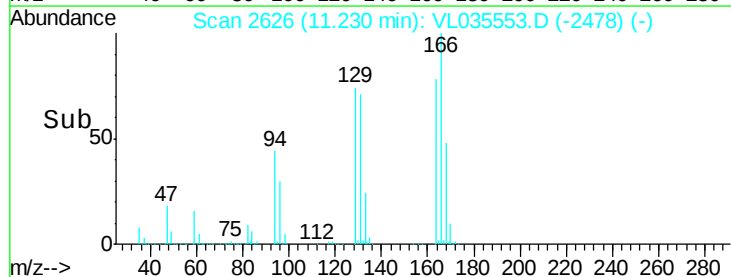
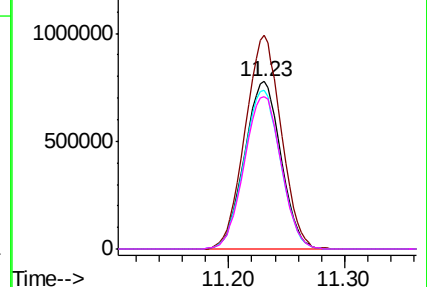


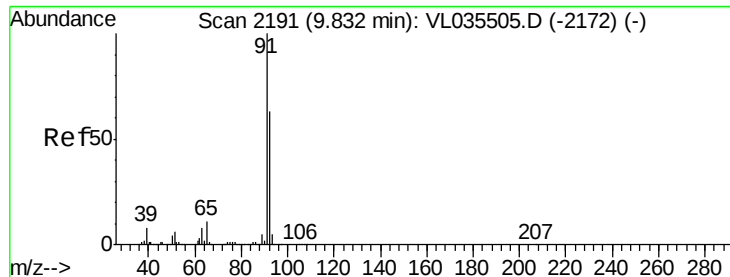
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 10.367 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. -0.02 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

Instrument :

MSVOA_L

ClientSampleId :

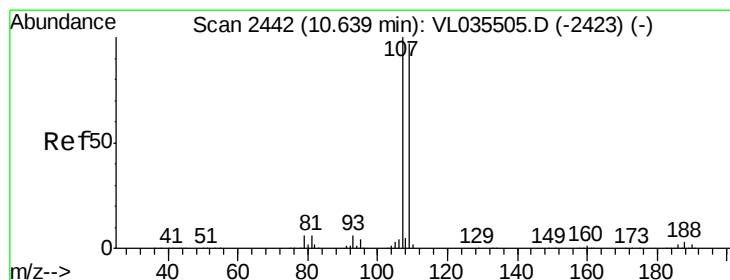
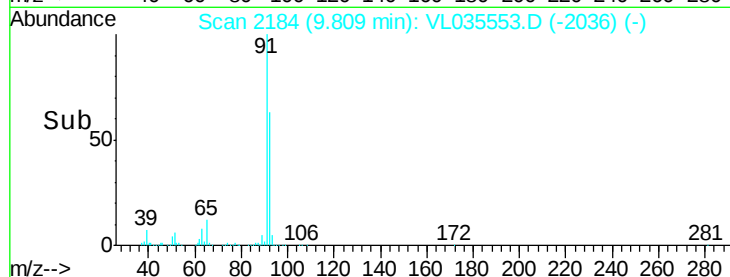
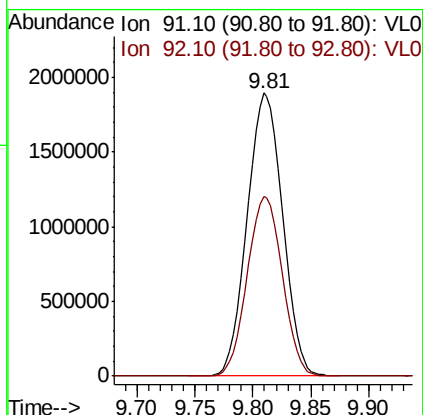
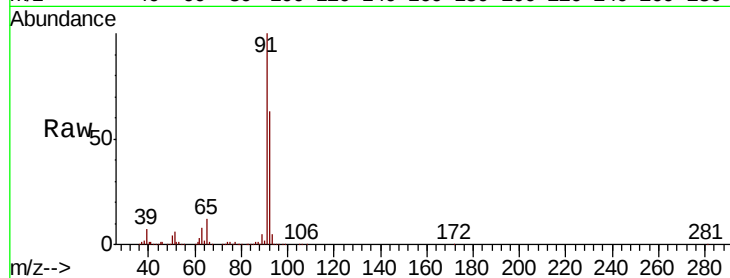
VSTDCCC010

Tot Ion: 91 Resp: 4051440

Ion Ratio Lower Upper

91 100

92 62.9 49.8 74.8



#54

1,2-Dibromoethane

Concen: 10.309 ppbv

RT: 10.62 min Scan# 2435

Delta R.T. -0.02 min

Lab File: VL035553.D

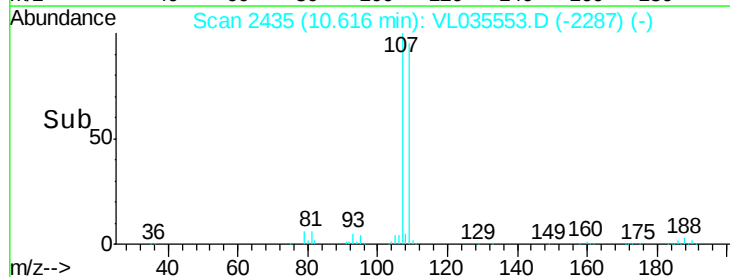
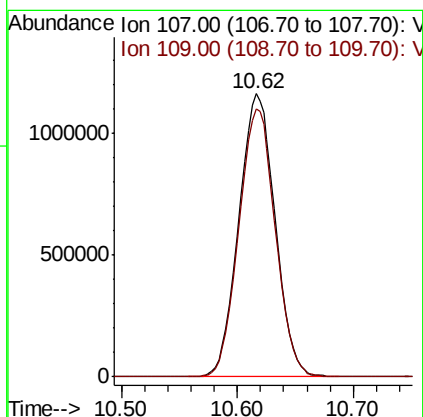
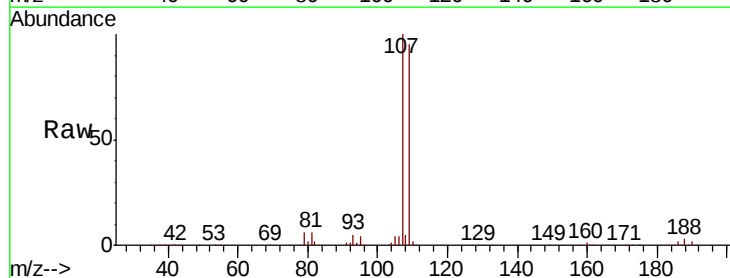
Acq: 8 Sep 2020 11:57

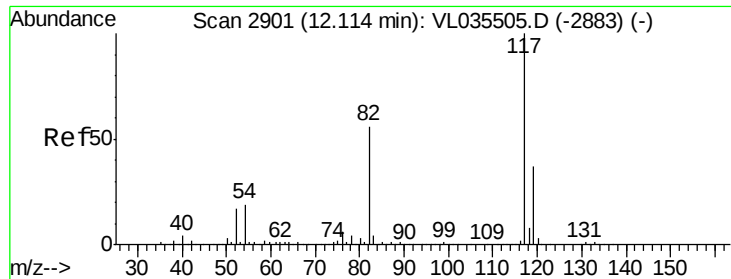
Tgt Ion: 107 Resp: 2523376

Ion Ratio Lower Upper

107 100

109 94.7 77.8 116.8





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2895

Delta R.T. -0.02 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

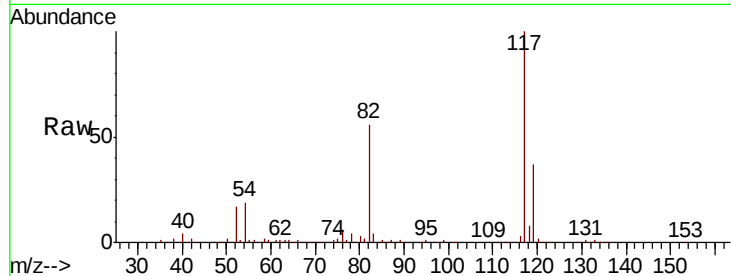
Tot Ion:117 Resp: 6114676

Ion Ratio Lower Upper

117 100

82 44.0 41.6 62.4

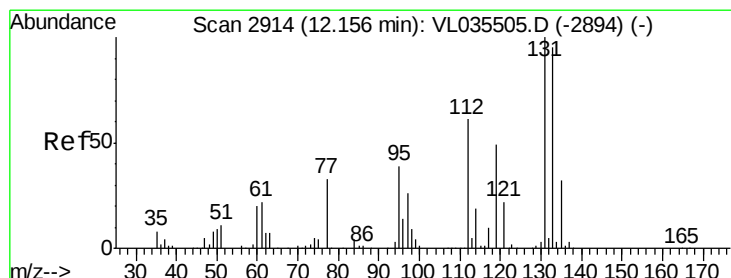
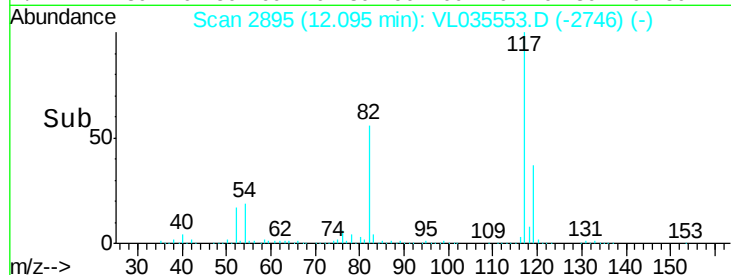
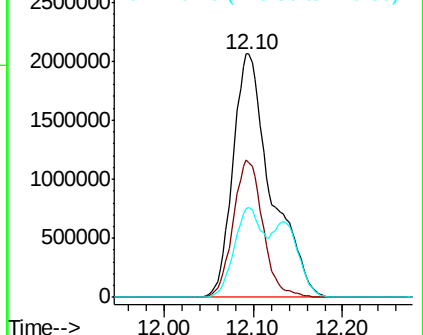
119 26.9 29.3 43.9#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 8.607 ppbv

RT: 12.14 min Scan# 2908

Delta R.T. -0.02 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

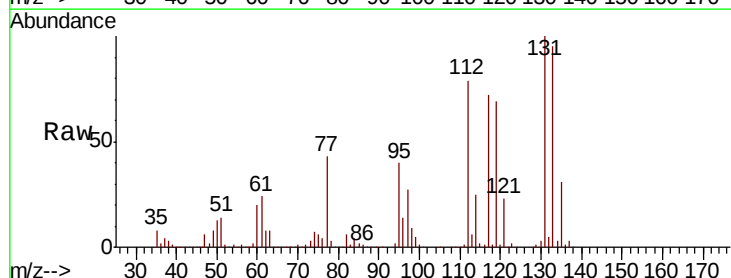
Tgt Ion:131 Resp: 2141510

Ion Ratio Lower Upper

131 100

133 95.7 76.6 115.0

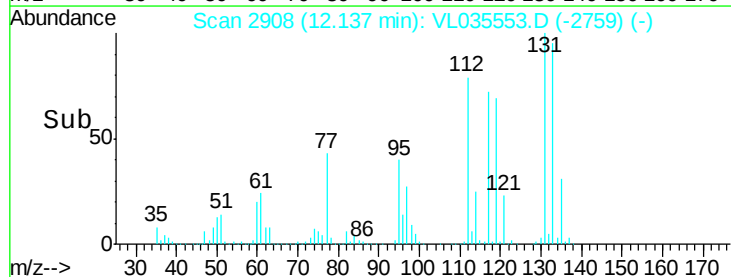
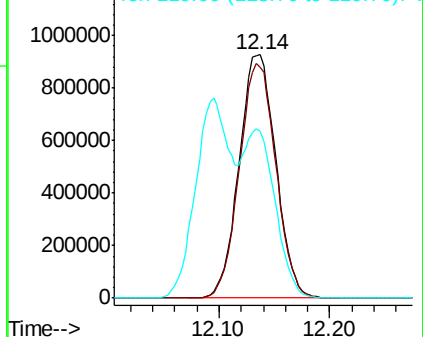
119 55.3 51.6 77.4

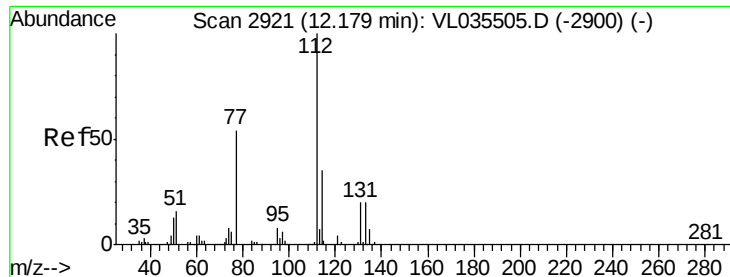


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

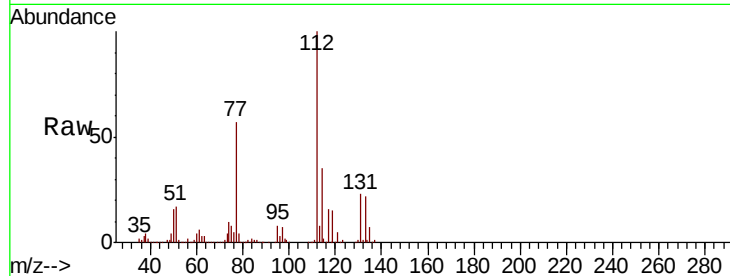




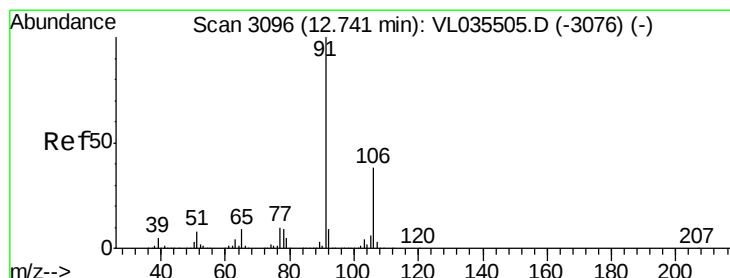
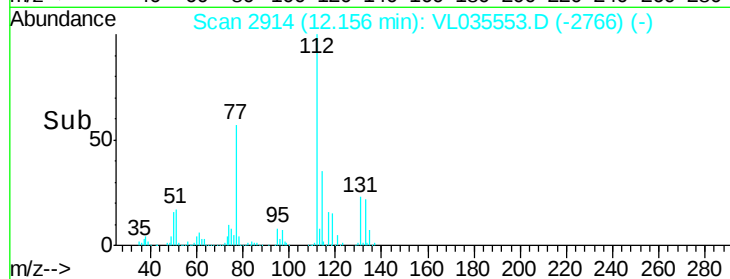
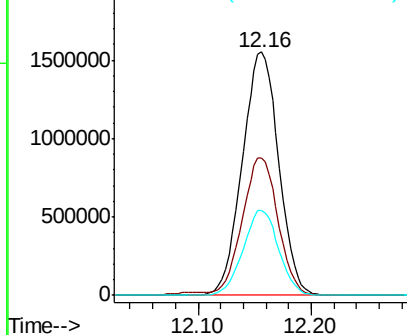
#57
Chlorobenzene
Concen: 7.712 ppbv
RT: 12.16 min Scan# 2914
Delta R.T. -0.02 min
Lab File: VL035553.D
Acq: 8 Sep 2020 11:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:112 Resp: 3470689
Ion Ratio Lower Upper
112 100
77 56.4 44.2 66.4
114 35.1 31.6 38.6

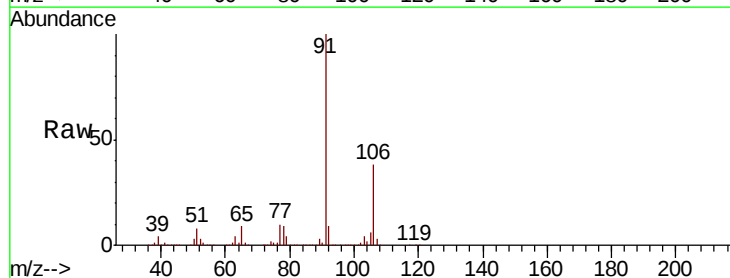


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

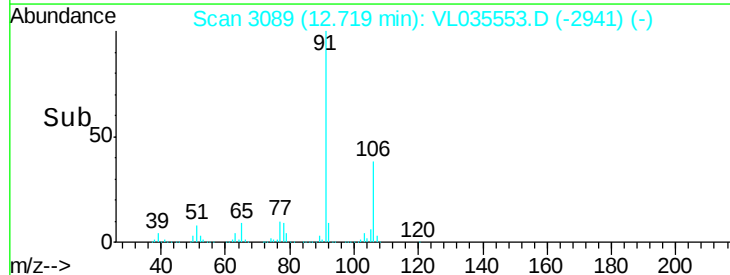
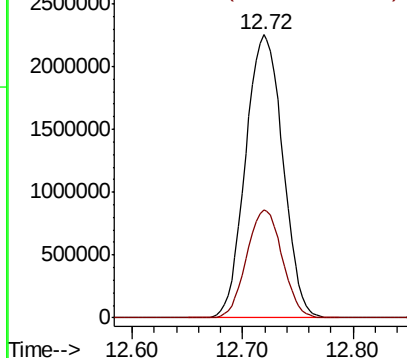


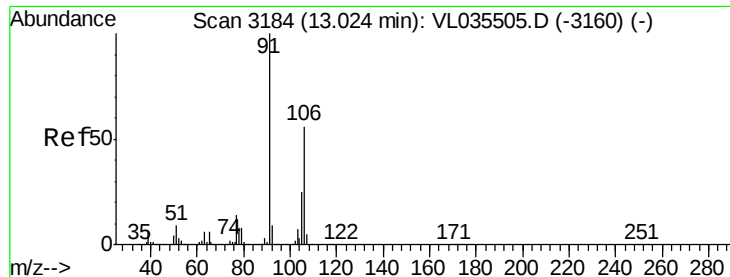
#58
Ethyl Benzene
Concen: 8.360 ppbv
RT: 12.72 min Scan# 3089
Delta R.T. -0.02 min
Lab File: VL035553.D
Acq: 8 Sep 2020 11:57

Tgt Ion: 91 Resp: 5271564
Ion Ratio Lower Upper
91 100
106 38.1 30.3 45.5



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

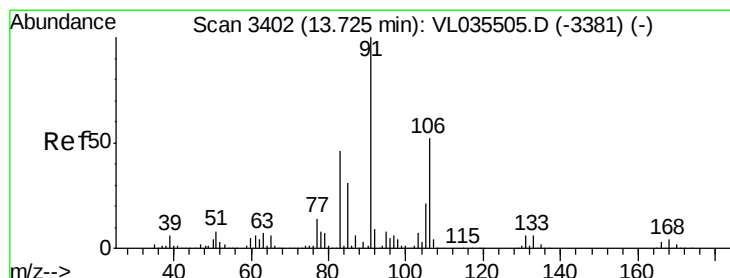
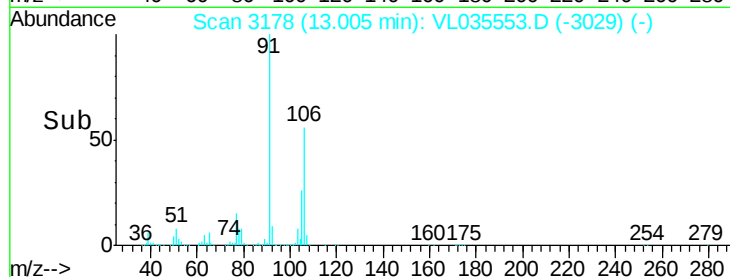
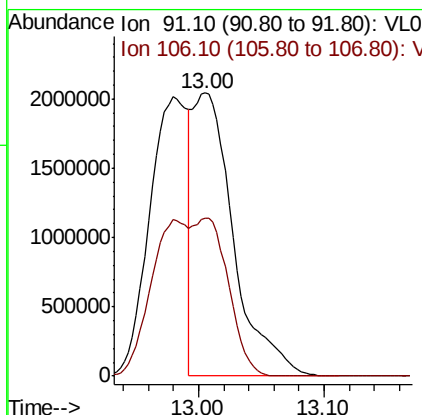
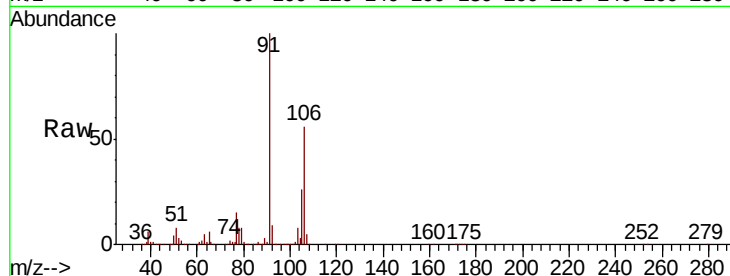




#59
m/p-Xylene
Concen: 8.727 ppbv
RT: 13.00 min Scan# 3178
Delta R.T. -0.02 min
Lab File: VL035553.D
Acq: 8 Sep 2020 11:57

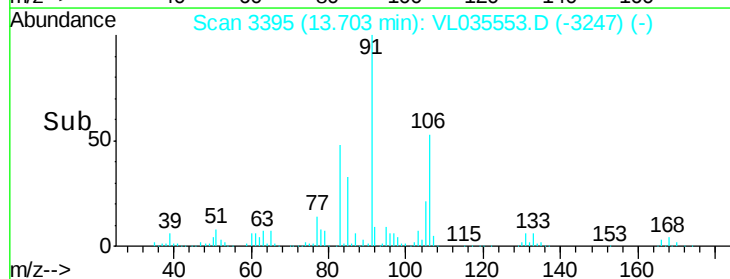
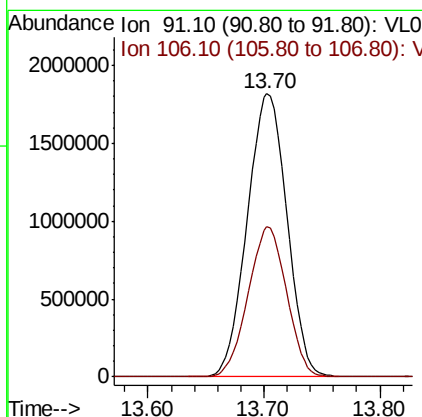
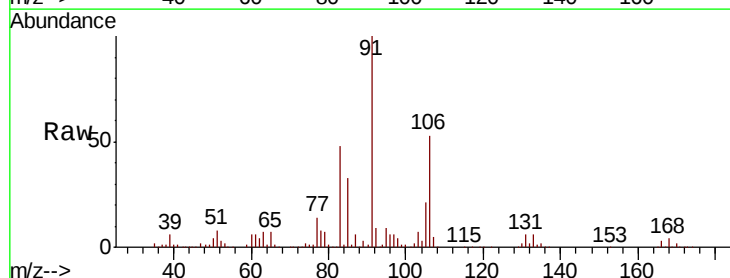
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

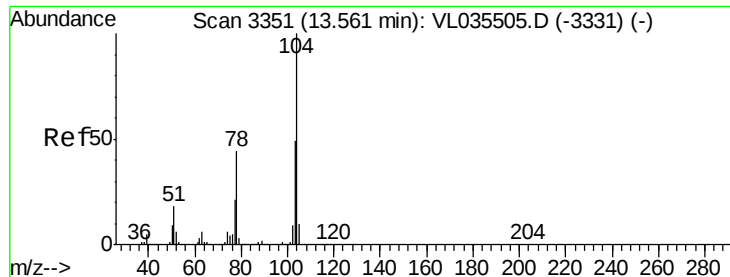
Tot Ion: 91 Resp: 4598126
Ion Ratio Lower Upper
91 100
106 99.7 43.4 65.2#



#60
o-Xylene
Concen: 8.151 ppbv
RT: 13.70 min Scan# 3395
Delta R.T. -0.02 min
Lab File: VL035553.D
Acq: 8 Sep 2020 11:57

Tgt Ion: 91 Resp: 4325159
Ion Ratio Lower Upper
91 100
106 51.5 25.8 77.4

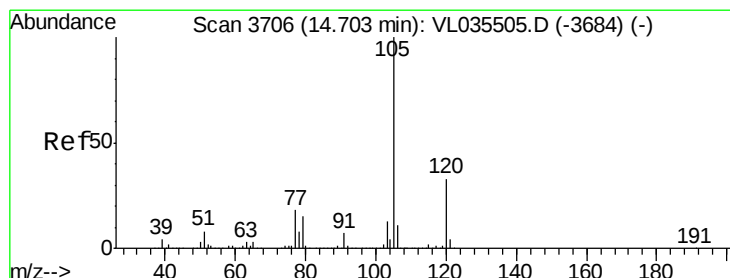
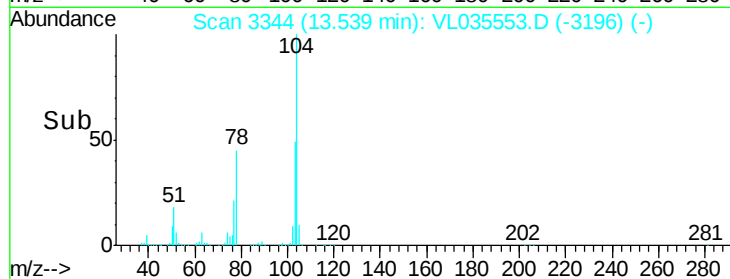
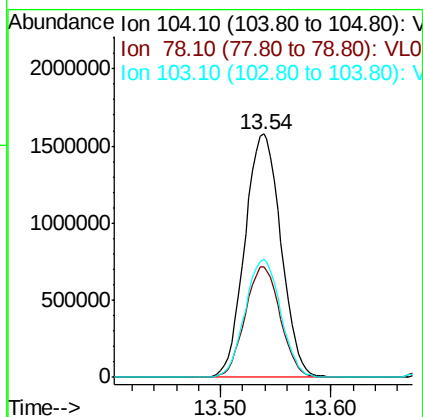
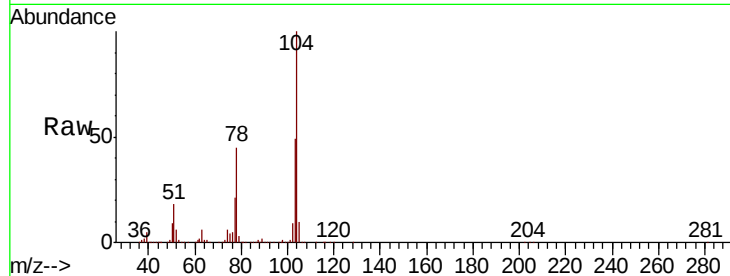




#61
Stvrene
Concen: 8.809 ppbv
RT: 13.54 min Scan# 3344
Delta R.T. -0.02 min
Lab File: VL035553.D
Acq: 8 Sep 2020 11:57

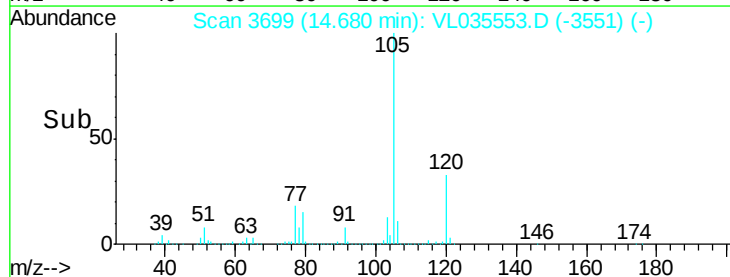
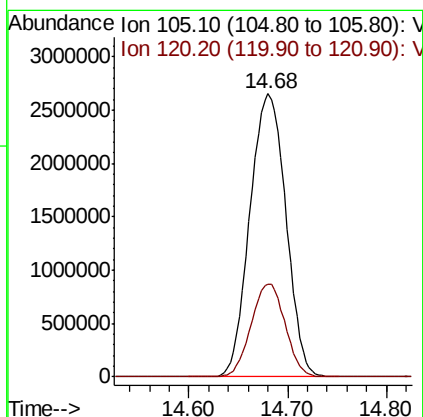
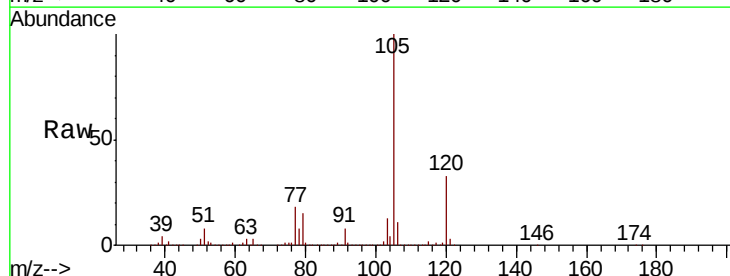
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

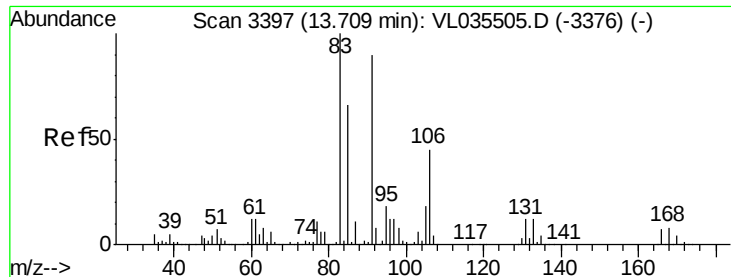
Tot Ion:104 Resp: 3575014
Ion Ratio Lower Upper
104 100
78 44.5 34.8 52.2
103 47.9 38.2 57.4



#62
Isopropylbenzene
Concen: 7.849 ppbv
RT: 14.68 min Scan# 3699
Delta R.T. -0.02 min
Lab File: VL035553.D
Acq: 8 Sep 2020 11:57

Tgt Ion:105 Resp: 6690677
Ion Ratio Lower Upper
105 100
120 31.1 25.0 37.4

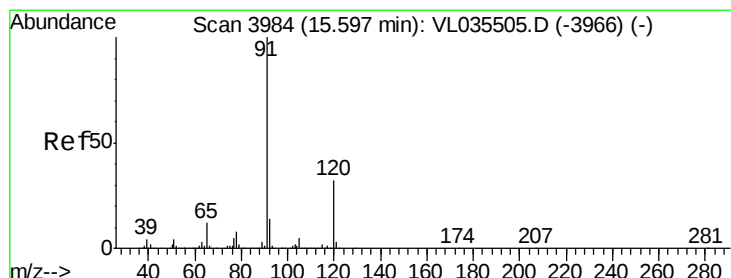
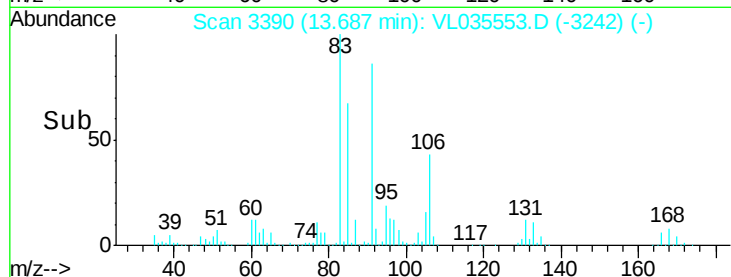
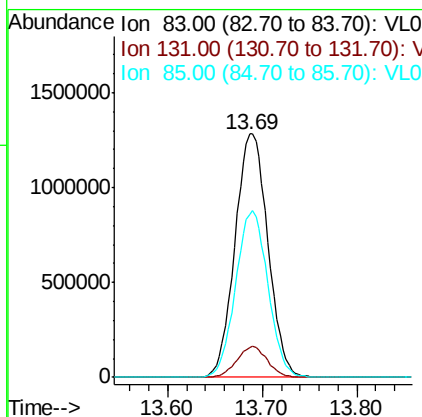
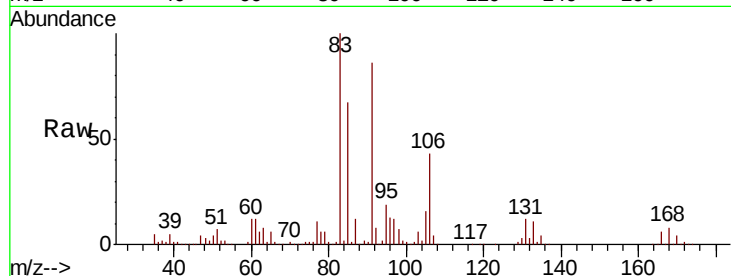




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.548 ppbv
 RT: 13.69 min Scan# 3390
 Delta R.T. -0.02 min
 Lab File: VL035553.D
 Acq: 8 Sep 2020 11:57

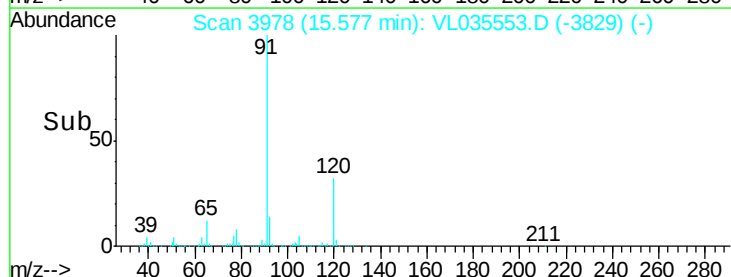
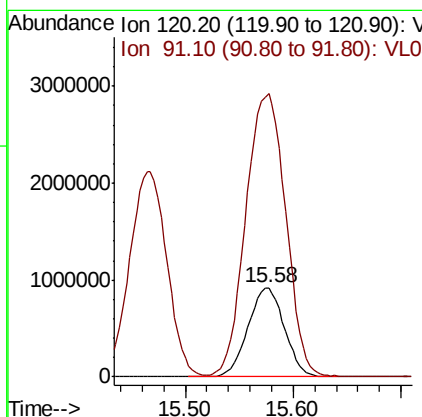
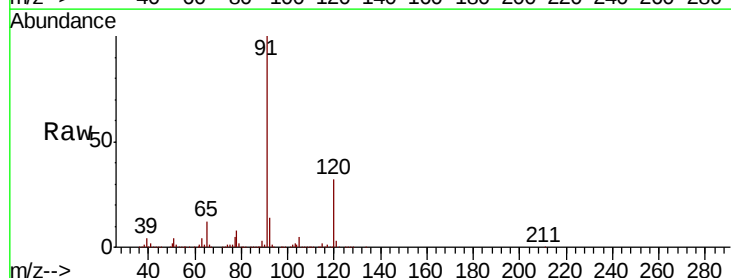
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

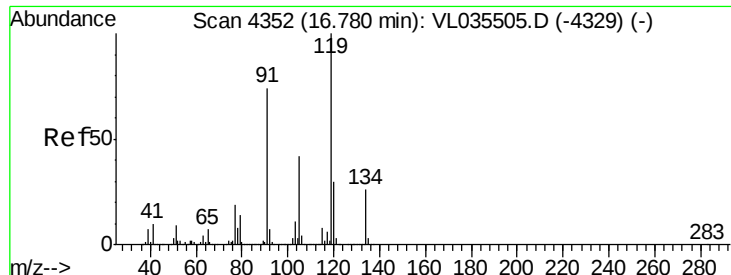
Tot Ion: 83 Resp: 3105583
 Ion Ratio Lower Upper
 83 100
 131 11.9 6.0 18.0
 85 67.3 33.4 100.2



#64
 n-propylbenzene
 Concen: 8.276 ppbv
 RT: 15.58 min Scan# 3978
 Delta R.T. -0.02 min
 Lab File: VL035553.D
 Acq: 8 Sep 2020 11:57

Tgt Ion: 120 Resp: 2152783
 Ion Ratio Lower Upper
 120 100
 91 350.7 279.4 419.0





#65

tert-Butylbenzene

Concen: 7.994 ppbv

RT: 16.76 min Scan# 4346

Delta R.T. -0.02 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

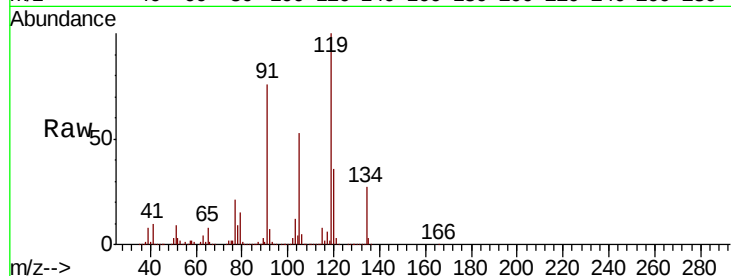
Tot Ion:119 Resp: 6334186

Ion Ratio Lower Upper

119 100

91 74.2 58.6 87.8

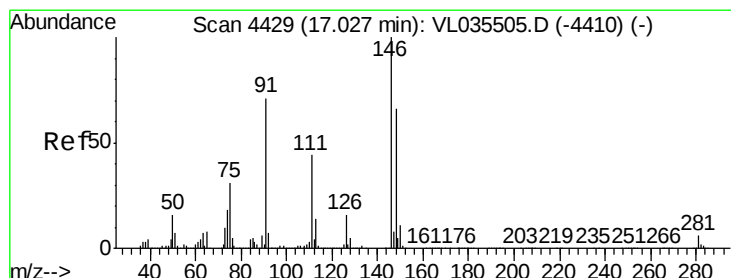
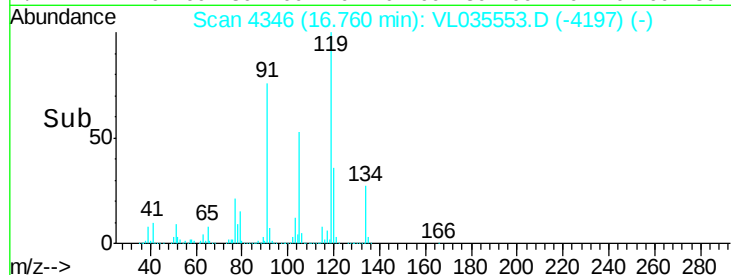
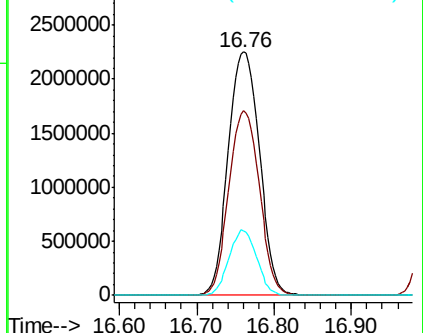
134 23.7 18.9 28.3



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 11.236 ppbv

RT: 17.00 min Scan# 4422

Delta R.T. -0.02 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

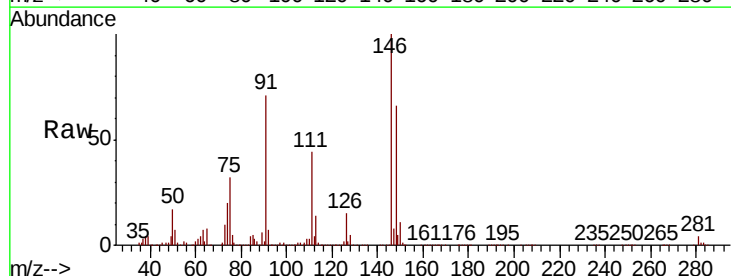
Tgt Ion: 91 Resp: 2212771

Ion Ratio Lower Upper

91 100

126 21.1 17.2 25.8

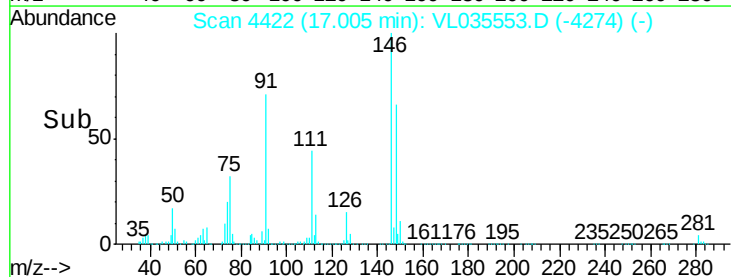
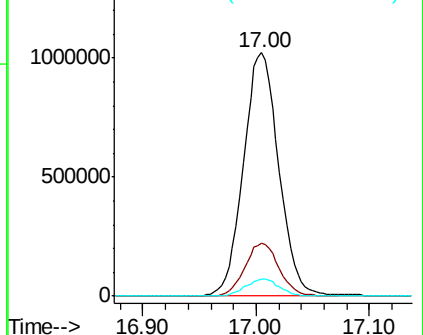
128 6.8 5.5 8.3

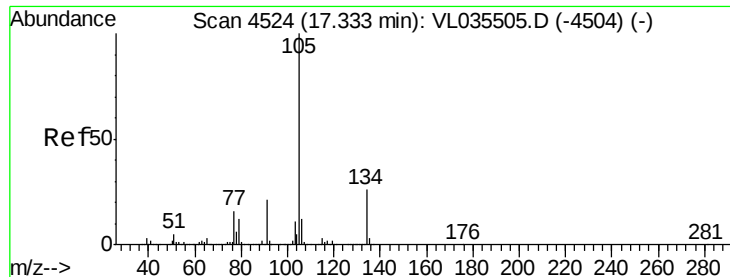


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.799 ppbv

RT: 17.31 min Scan# 4517

Delta R.T. -0.02 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

Instrument :

MSVOA_L

ClientSampleId :

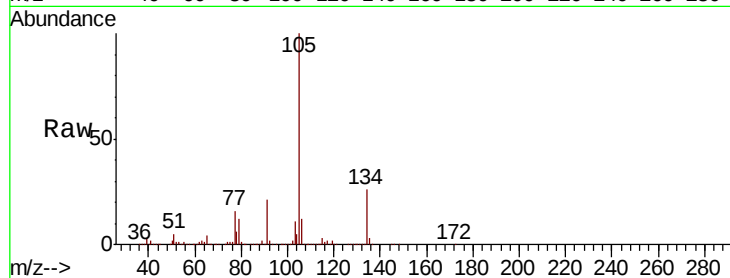
VSTDCCC010

Tot Ion:105 Resp: 8233149

Ion Ratio Lower Upper

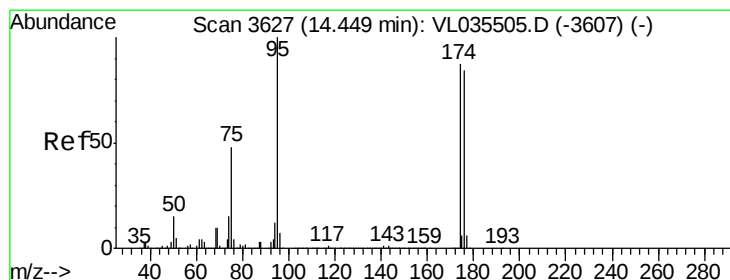
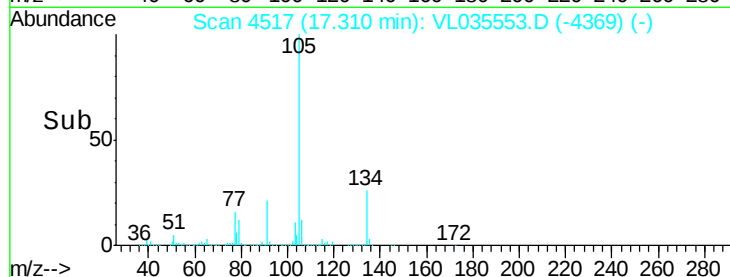
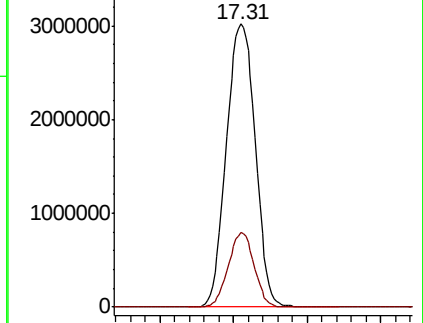
105 100

134 23.6 19.1 28.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.187 ppbv

RT: 14.43 min Scan# 3620

Delta R.T. -0.02 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

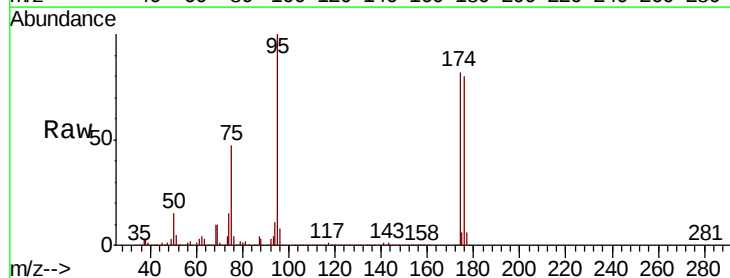
Tgt Ion: 95 Resp: 3555273

Ion Ratio Lower Upper

95 100

174 82.8 69.6 104.4

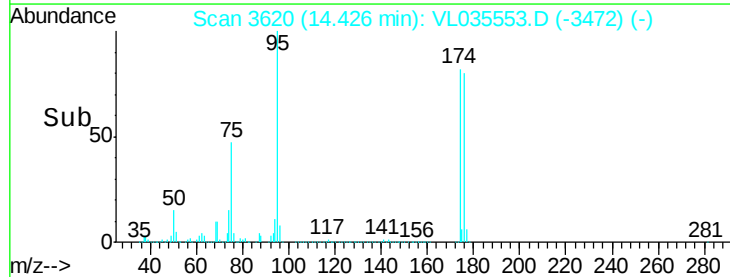
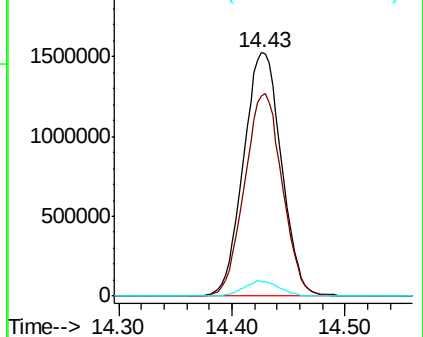
175 6.0 5.1 7.7

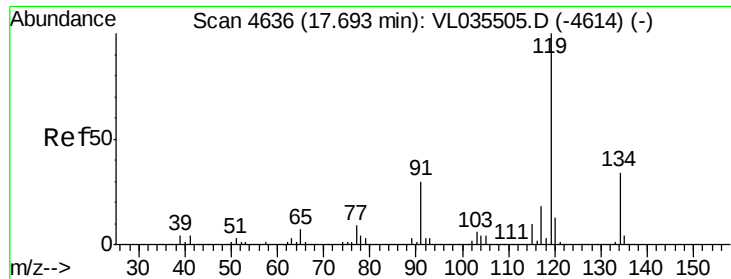


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

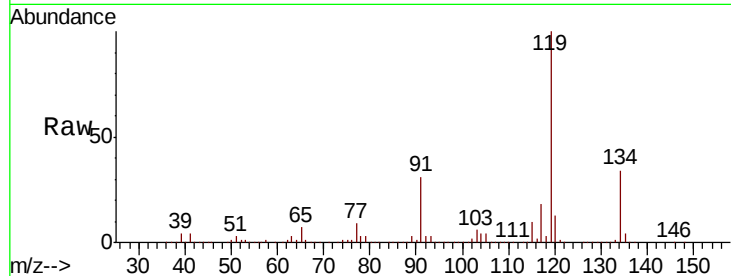




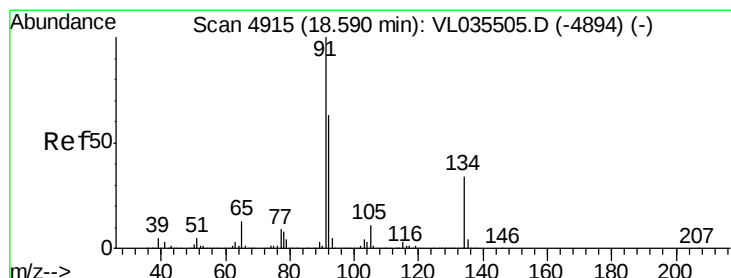
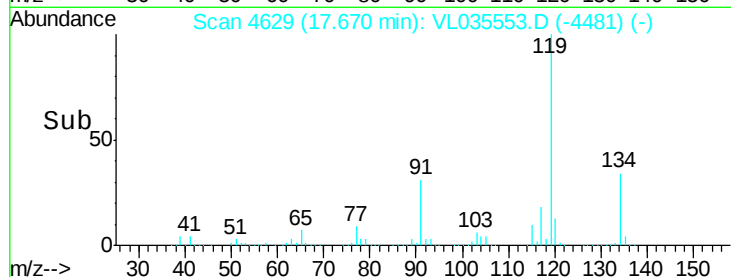
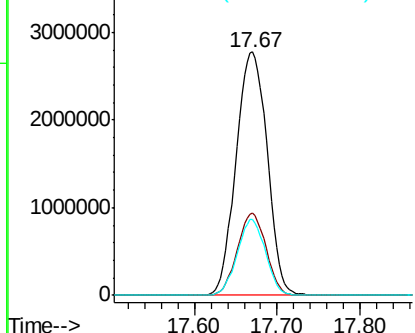
#69
 p-Isopropyltoluene
 Concen: 7.818 ppbv
 RT: 17.67 min Scan# 4629
 Delta R.T. -0.02 min
 Lab File: VL035553.D
 Acq: 8 Sep 2020 11:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:119 Resp: 7240010
 Ion Ratio Lower Upper
 119 100
 134 31.2 25.0 37.4
 91 28.4 22.3 33.5

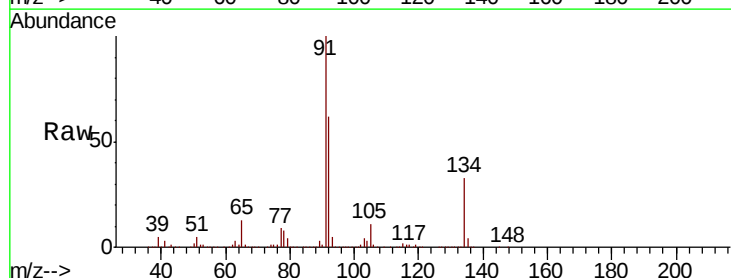


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

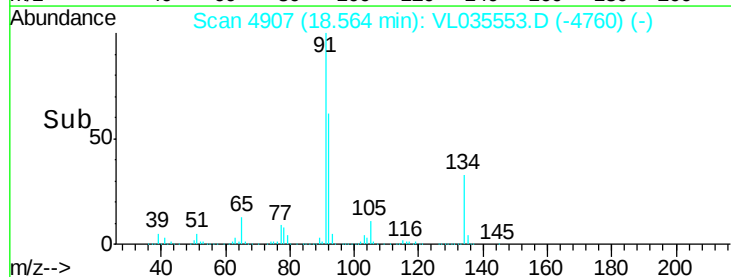
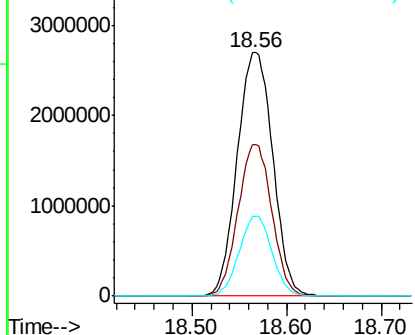


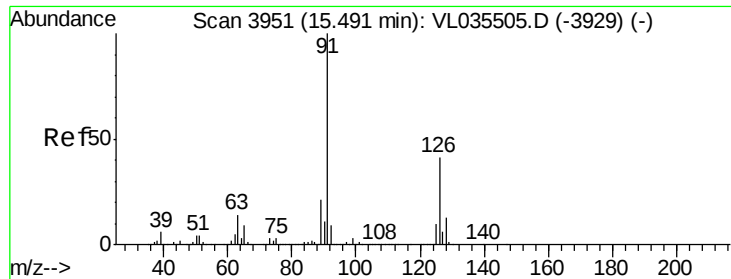
#70
 n-Butylbenzene
 Concen: 7.898 ppbv
 RT: 18.56 min Scan# 4907
 Delta R.T. -0.03 min
 Lab File: VL035553.D
 Acq: 8 Sep 2020 11:57

Tgt Ion: 91 Resp: 7044994
 Ion Ratio Lower Upper
 91 100
 92 59.3 47.3 70.9
 134 30.3 24.6 37.0



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V

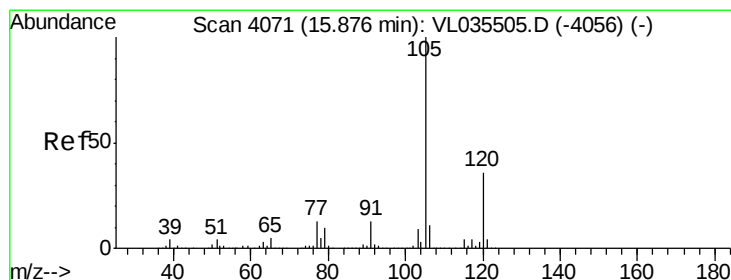
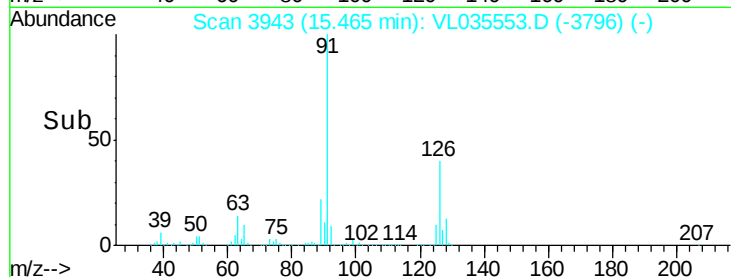
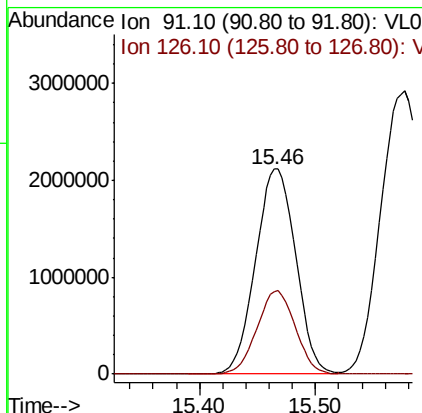
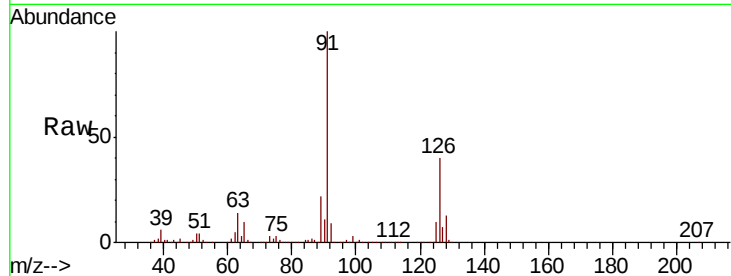




#71
 2-Chlorotoluene
 Concen: 8.220 ppbv
 RT: 15.46 min Scan# 3943
 Delta R.T. -0.03 min
 Lab File: VL035553.D
 Acq: 8 Sep 2020 11:57

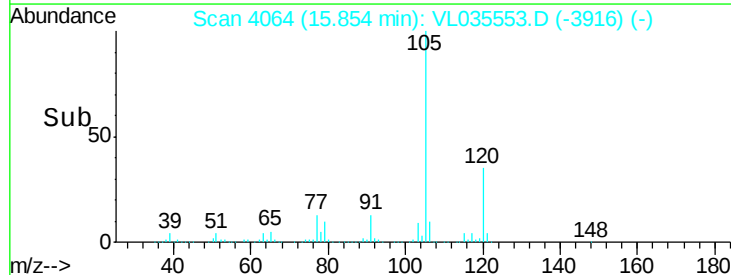
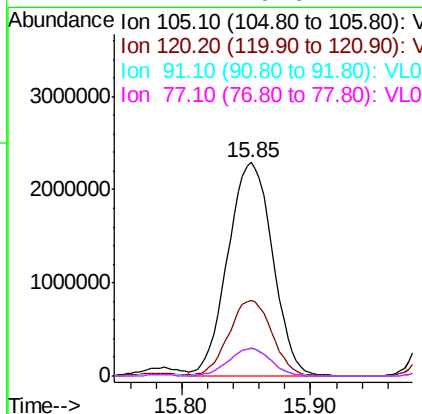
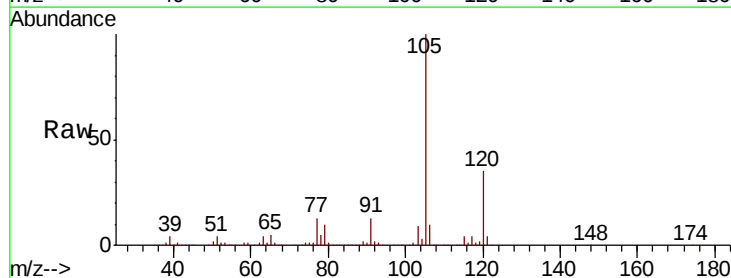
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

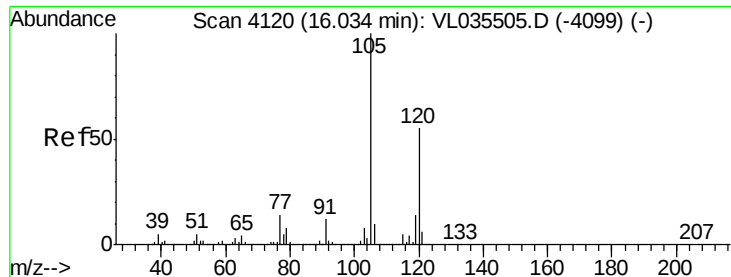
Tot Ion: 91 Resp: 5102364
 Ion Ratio Lower Upper
 91 100
 126 38.9 15.6 62.6



#72
 4-Ethyltoluene
 Concen: 8.185 ppbv
 RT: 15.85 min Scan# 4064
 Delta R.T. -0.02 min
 Lab File: VL035553.D
 Acq: 8 Sep 2020 11:57

Tgt Ion: 105 Resp: 5522064
 Ion Ratio Lower Upper
 105 100
 120 34.4 27.4 41.2
 91 12.3 9.7 14.5
 77 12.1 9.6 14.4





#73

1,3,5-Trimethylbenzene

Concen: 8.221 ppbv

RT: 16.01 min Scan# 4113

Delta R.T. -0.02 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

Instrument :

MSVOA_L

ClientSampleId :

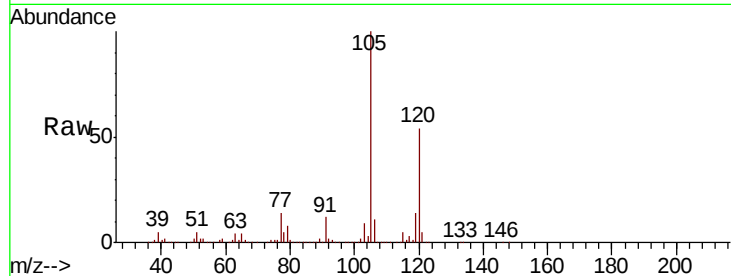
VSTDCCC010

Tot Ion:105 Resp: 5130052

Ion Ratio Lower Upper

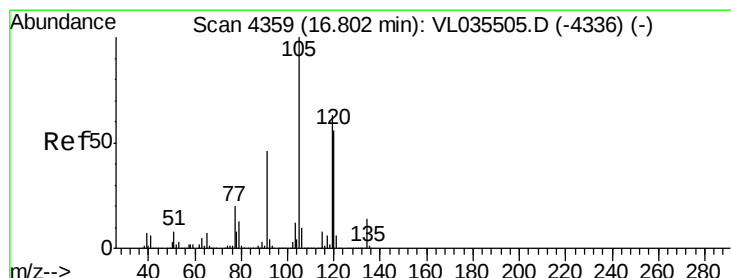
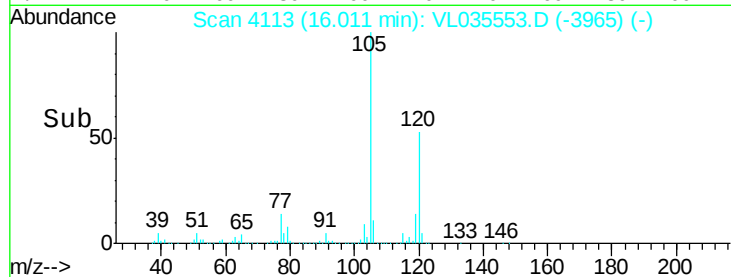
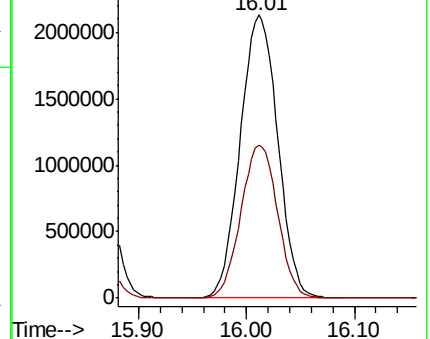
105 100

120 54.1 44.2 66.2



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: 7.805 ppbv

RT: 16.78 min Scan# 4352

Delta R.T. -0.02 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

Tgt Ion:105 Resp: 5347989

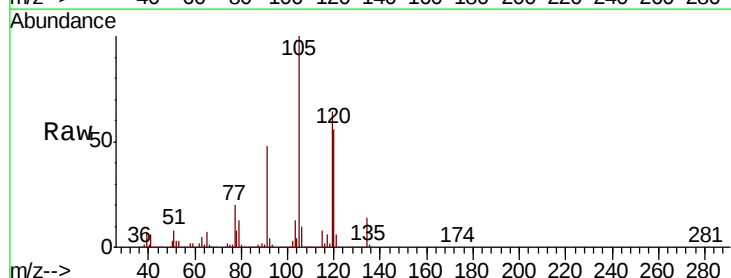
Ion Ratio Lower Upper

105 100

120 56.0 44.4 66.6

91 48.3 37.1 55.7

77 20.4 16.0 24.0

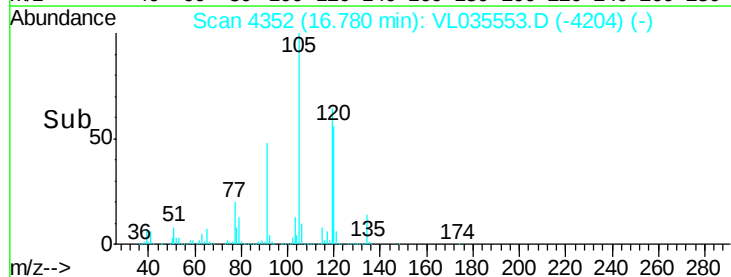
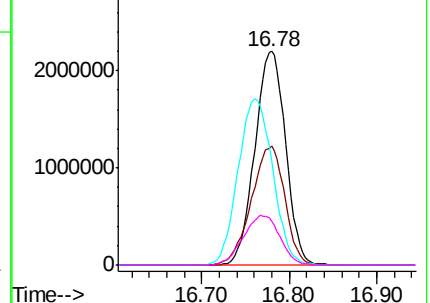


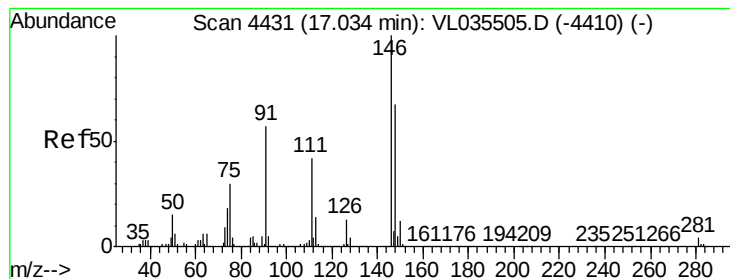
Abundance Ion 105.10 (104.80 to 105.80): V

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: 7.611 ppbv

RT: 17.01 min Scan# 4424

Delta R.T. -0.02 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

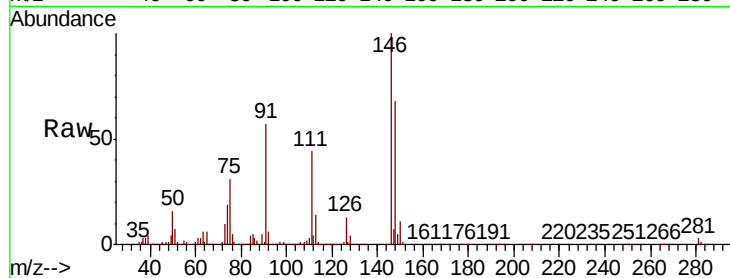
Tot Ion:146 Resp: 3863014

Ion Ratio Lower Upper

146 100

111 42.2 20.7 62.1

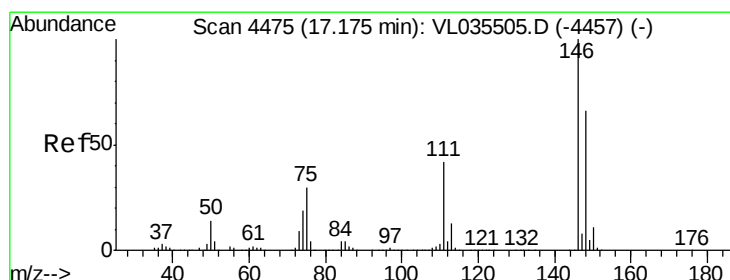
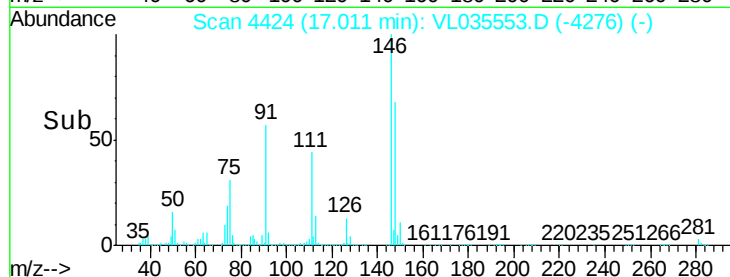
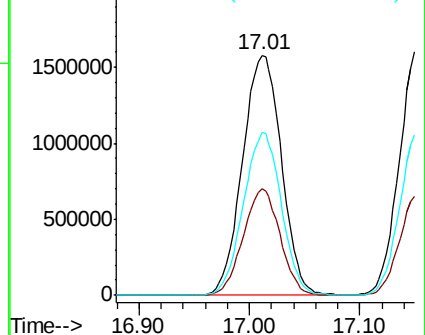
148 66.3 33.0 98.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 7.869 ppbv

RT: 17.15 min Scan# 4468

Delta R.T. -0.02 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

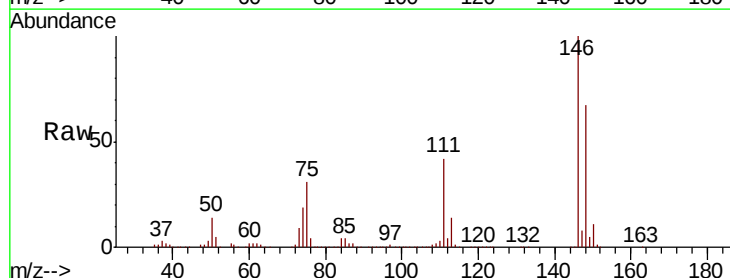
Tgt Ion:146 Resp: 3939256

Ion Ratio Lower Upper

146 100

111 40.1 20.0 60.0

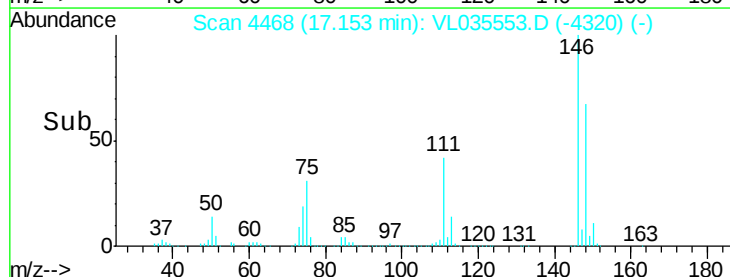
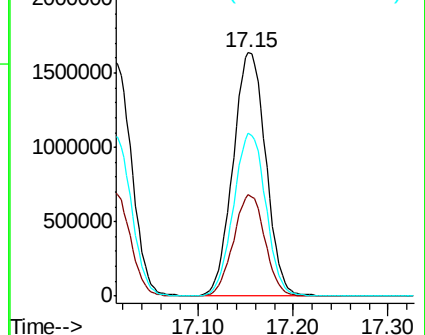
148 66.1 33.2 99.6

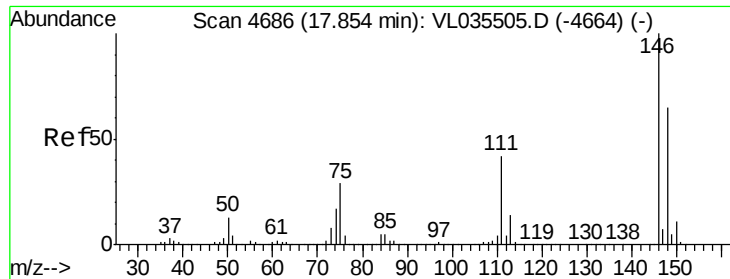


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

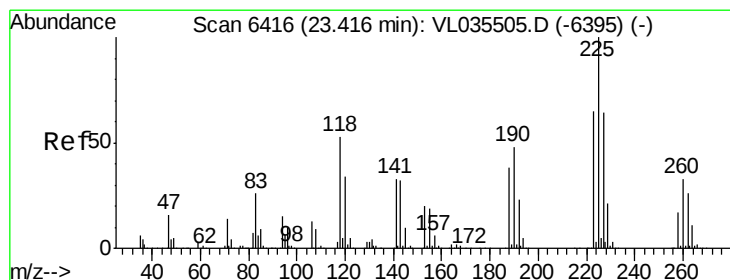
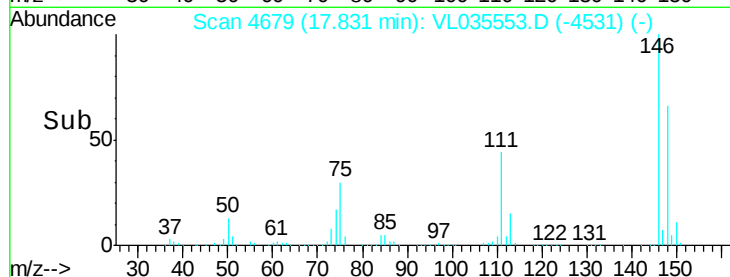
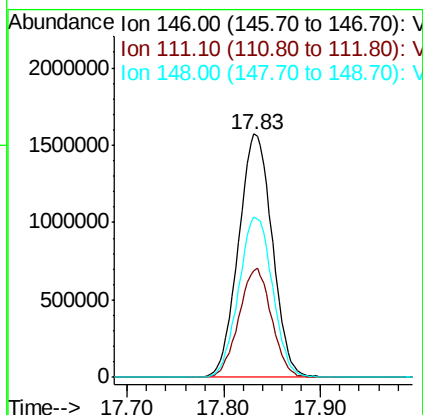
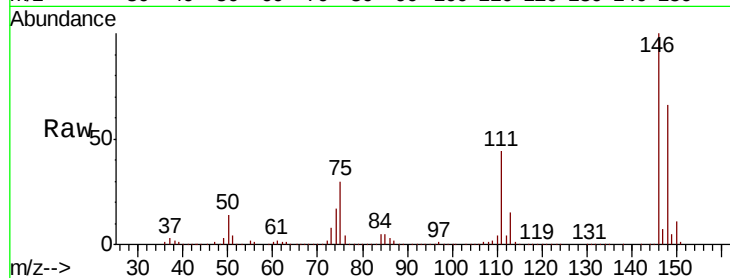




#77
 1,2-Dichlorobenzene
 Concen: 7.771 ppbv
 RT: 17.83 min Scan# 4679
 Delta R.T. -0.02 min
 Lab File: VL035553.D
 Acq: 8 Sep 2020 11:57

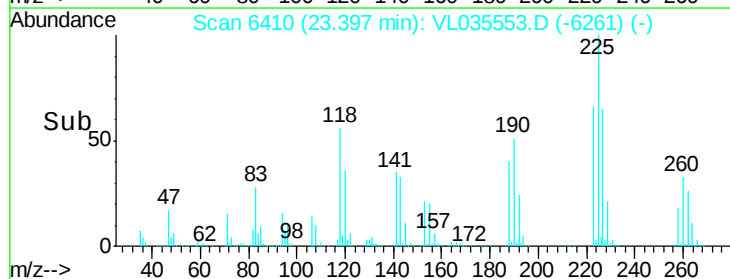
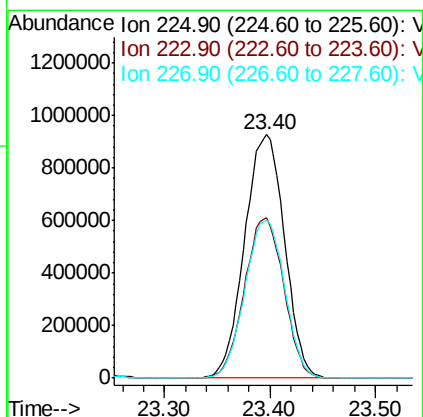
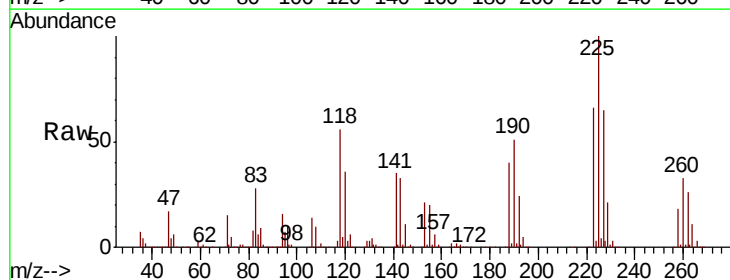
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

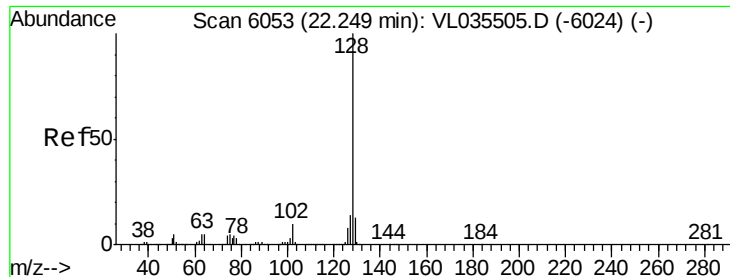
Tot Ion:146 Resp: 3821603
 Ion Ratio Lower Upper
 146 100
 111 43.4 21.1 63.3
 148 66.2 32.9 98.7



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.794 ppbv
 RT: 23.40 min Scan# 6410
 Delta R.T. -0.02 min
 Lab File: VL035553.D
 Acq: 8 Sep 2020 11:57

Tgt Ion:225 Resp: 2446956
 Ion Ratio Lower Upper
 225 100
 223 64.8 51.7 77.5
 227 64.5 51.5 77.3





#79

Naphthalene

Concen: 8.665 ppbv

RT: 22.22 min Scan# 6044

Delta R.T. -0.03 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

Instrument :

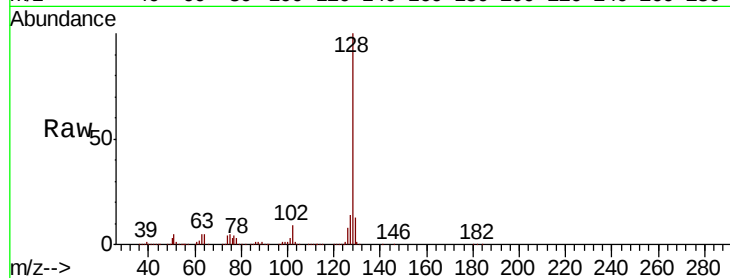
MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:128 Resp: 6588186

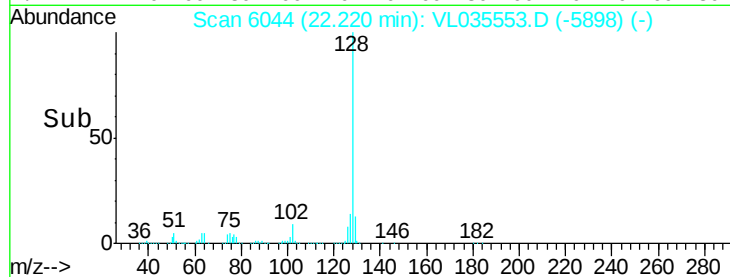
Ion	Ratio	Lower	Upper
128	100		
127	14.1	11.4	17.2
129	12.6	10.5	15.7



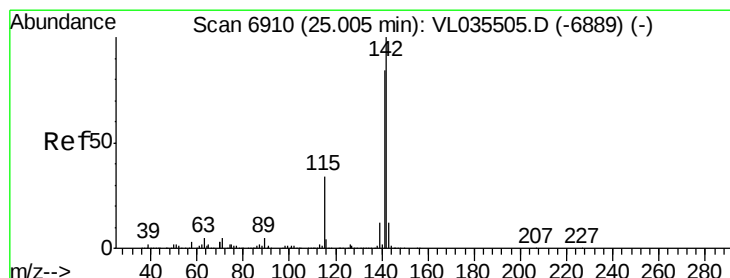
Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



Time-->



#80

Naphthalene, 2-methyl-

Concen: 10.273 ppbv

RT: 24.99 min Scan# 6904

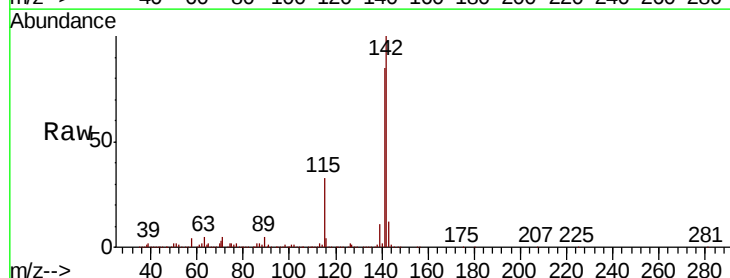
Delta R.T. -0.02 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

Tgt Ion:142 Resp: 2666020

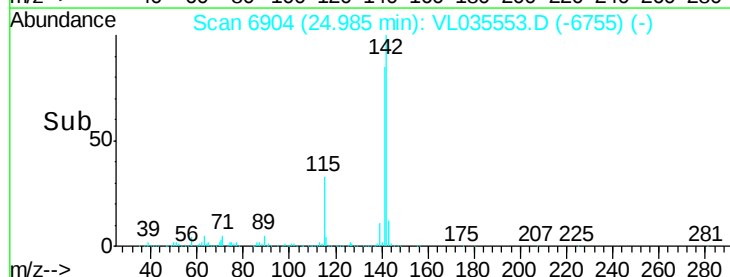
Ion	Ratio	Lower	Upper
142	100		
141	84.0	67.6	101.4
115	32.6	25.8	38.8



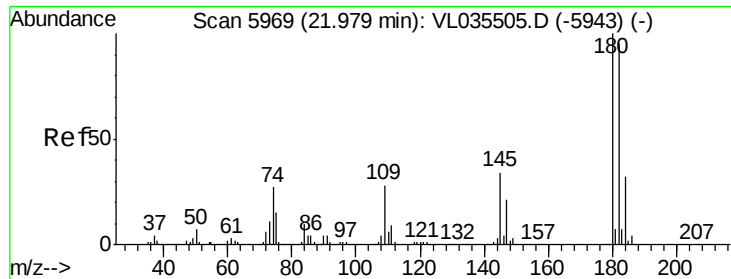
Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V



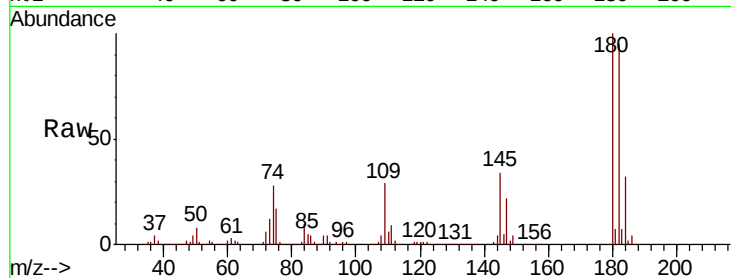
Time-->



#81
 1,2,4-Trichlorobenzene
 Concen: 8.243 ppbv
 RT: 21.95 min Scan# 5960
 Delta R.T. -0.03 min
 Lab File: VL035553.D
 Acq: 8 Sep 2020 11:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:180 Resp: 3753094
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.3 114.5
 184 31.7 25.3 37.9



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

