

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091620\
 Data File : VL035627.D
 Acq On : 16 Sep 2020 12:18
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Sep 17 07:05:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 14 15:19:50 2020
 QLast Update : Mon Sep 14 15:19:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1236974	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	5126876	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	6381923	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3770504	8.32	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	1969492	9.188	ppbv	100
3) Chlorodifluoromethane	2.97	51	1240003	9.064	ppbv	100
4) Chloromethane	3.13	50	650365	8.873	ppbv	100
5) Vinyl Chloride	3.24	62	786676	8.706	ppbv	99
6) Bromomethane	3.46	94	694710	9.153	ppbv	97
7) Chloroethane	3.55	64	301227	9.429	ppbv	97
8) Dichlorotetrafluoroethane	3.18	85	2289852	8.820	ppbv	95
9) Propene	3.00	41	470901	8.928	ppbv	100
10) Heptane	8.12	43	1329874	9.388	ppbv	100
11) Trichlorofluoromethane	3.94	101	2692185	8.612	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	2059088	8.727	ppbv	93
13) Ethanol	3.59	45	112246	8.584	ppbv	94
14) Bromoethene	3.73	108	947002	9.325	ppbv	99
15) Acetone	3.84	43	1037285	7.603	ppbv	99
16) 1,3-Butadiene	3.31	39	478728	9.426	ppbv	100
17) tert-Butyl alcohol	4.28	59	1601250	9.642	ppbv	100
18) 1,1-Dichloroethene	4.28	96	958768	9.228	ppbv	96
19) Isopropyl Alcohol	3.96	45	770526	9.467	ppbv	100
20) Methylene Chloride	4.33	84	788432	7.759	ppbv	98
21) Allyl Chloride	4.40	41	664734	10.400	ppbv	100
22) trans-1,2-Dichloroethene	4.87	96	1014094	9.168	ppbv	93
23) Vinyl Acetate	5.07	43	1692958	9.668	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1672152	9.279	ppbv	99
25) Ethyl Acetate	5.67	43	2183381	9.059	ppbv	100
26) Hexane	5.68	57	1237884	9.065	ppbv	100
27) Carbon Disulfide	4.54	76	2096657	10.699	ppbv	100
28) Methyl tert-Butyl Ether	5.02	73	2288620	9.616	ppbv	99
29) Chloroform	5.74	83	2550455	9.167	ppbv	99
30) Cyclohexane	7.12	84	1418968	9.700	ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	1359660	9.705	ppbv	100
32) 1,1,1-Trichloroethane	6.50	97	2539068	9.407	ppbv	100
34) 2-Butanone	5.24	43	1521236	9.998	ppbv	100
35) Carbon Tetrachloride	7.01	117	2628271	10.200	ppbv	99
36) Benzene	6.89	78	3257926	9.817	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1578052	9.974	ppbv	99
38) Trichloroethene	7.83	130	1663414	8.629	ppbv	95
39) 1,2-Dichloropropane	7.61	63	1098715	9.800	ppbv	99
40) 1,4-Dioxane	7.83	88	597272	10.665	ppbv	99
41) Tetrahydrofuran	6.04	42	862440	10.689	ppbv	100
42) Bromodichloromethane	7.79	83	2704104	10.569	ppbv	100
43) Methyl Methacrylate	8.01	69	1358853	10.589	ppbv	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091620\
 Data File : VL035627.D
 Acq On : 16 Sep 2020 12:18
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Sep 17 07:05:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 14 15:19:50 2020
 QLast Update : Mon Sep 14 15:19:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4204033	9.628	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1562389	12.018	ppbv	100
46) cis-1,3-Dichloropropene	8.70	75	1848666	11.454	ppbv	98
47) 1,1,2-Trichloroethane	9.47	97	1594466	9.639	ppbv	97
48) Dibromochloromethane	10.30	129	2730688	10.488	ppbv	100
49) Bromoform	13.04	173	2489512	10.551	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2227743	10.111	ppbv	100
51) 2-Hexanone	10.13	43	1855947	10.269	ppbv #	100
52) Tetrachloroethene	11.22	164	1639380	8.456	ppbv	98
53) Toluene	9.80	91	4099576	9.823	ppbv	99
54) 1,2-Dibromoethane	10.61	107	2553246	9.768	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.13	131	2123845	8.179	ppbv	96
57) Chlorobenzene	12.15	112	3461988	7.371	ppbv	98
58) Ethyl Benzene	12.71	91	5327805	8.096	ppbv	99
59) m/p-Xylene	13.00	91	4683561	8.517	ppbv #	40
60) o-Xylene	13.70	91	4409490	7.962	ppbv	99
61) Styrene	13.53	104	3550035	8.381	ppbv	98
62) Isopropylbenzene	14.67	105	6673016	7.501	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	3171877	7.387	ppbv	99
64) n-propylbenzene	15.57	120	2090459	7.700	ppbv	94
65) tert-Butylbenzene	16.75	119	6243250	7.549	ppbv	97
66) Benzyl Chloride	17.00	91	2157172	10.495	ppbv	98
67) sec-Butylbenzene	17.30	105	8188216	7.431	ppbv	98
69) p-Isopropyltoluene	17.66	119	7024880	7.268	ppbv	99
70) n-Butylbenzene	18.56	91	6809450	7.314	ppbv	99
71) 2-Chlorotoluene	15.46	91	5109909	7.887	ppbv	98
72) 4-Ethyltoluene	15.85	105	5465139	7.762	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	5082003	7.803	ppbv	99
74) 1,2,4-Trimethylbenzene	16.77	105	5265434	7.362	ppbv	98
75) 1,3-Dichlorobenzene	17.00	146	3626694	6.846	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	3680440	7.044	ppbv	99
77) 1,2-Dichlorobenzene	17.83	146	3574741	6.965	ppbv	99
78) Hexachloro-1,3-Butadiene	23.39	225	2029279	6.193	ppbv	100
79) Naphthalene	22.21	128	5578976	7.030	ppbv	98
80) Naphthalene, 2-methyl-	24.99	142	1637652	6.046	ppbv	100
81) 1,2,4-Trichlorobenzene	21.94	180	3043314	6.404	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.01 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

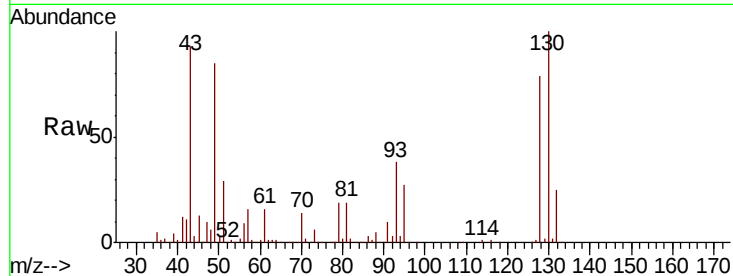
Tot Ion: 49 Resp: 1236974

Ion Ratio Lower Upper

49 100

128 92.6 50.0 150.1

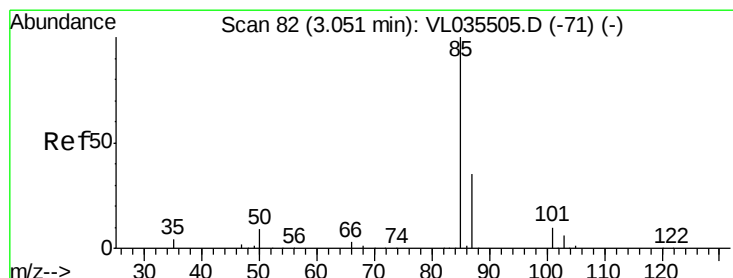
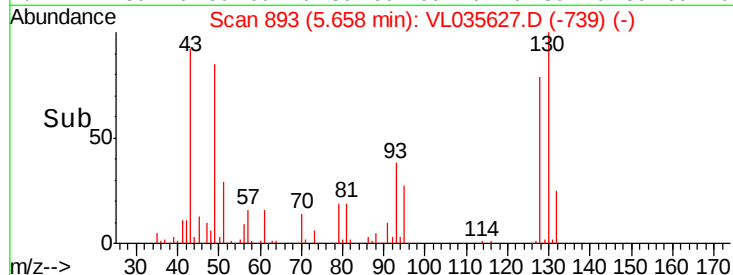
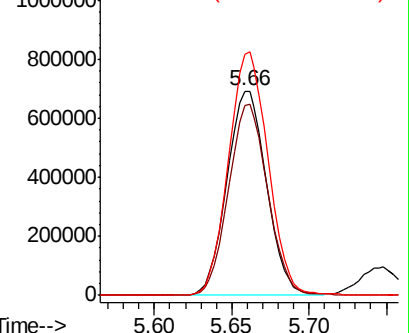
130 119.4 64.4 193.2



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 9.188 ppbv

RT: 3.03 min Scan# 77

Delta R.T. -0.00 min

Lab File: VL035627.D

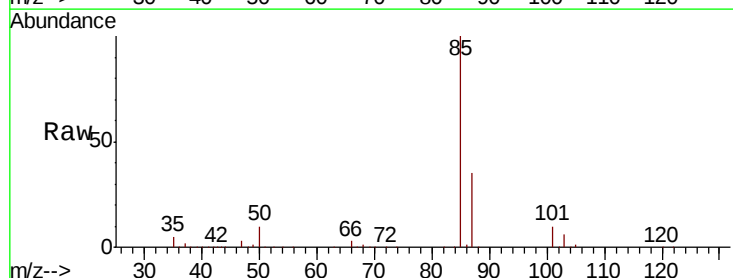
Acq: 16 Sep 2020 12:18

Tgt Ion: 85 Resp: 1969492

Ion Ratio Lower Upper

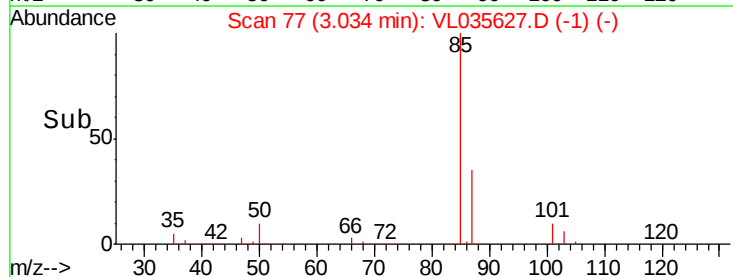
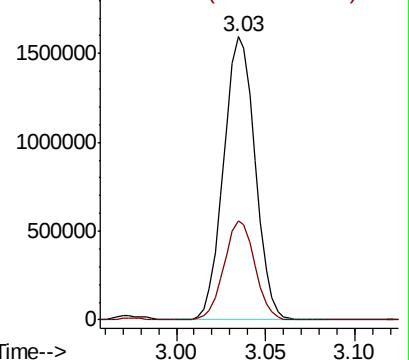
85 100

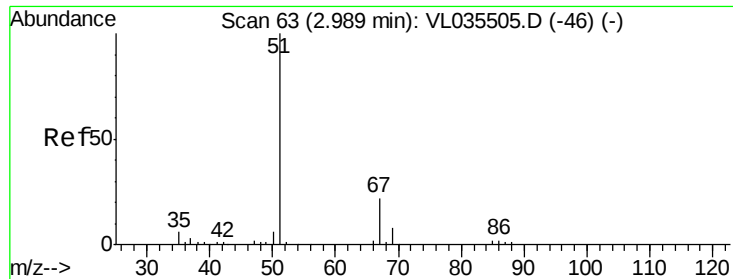
87 35.1 28.0 42.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.064 ppbv

RT: 2.97 min Scan# 58

Delta R.T. 0.00 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

Instrument :

MSVOA_L

ClientSampleId :

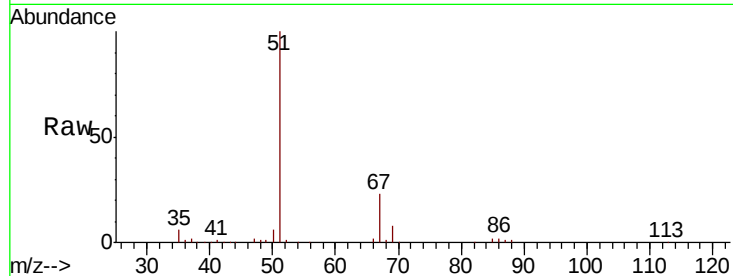
VSTDCCC010

Tot Ion: 51 Resp: 1240003

Ion Ratio Lower Upper

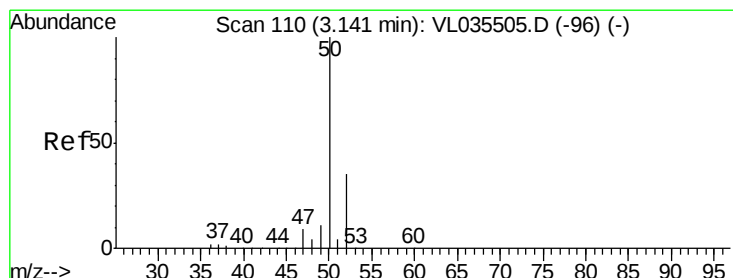
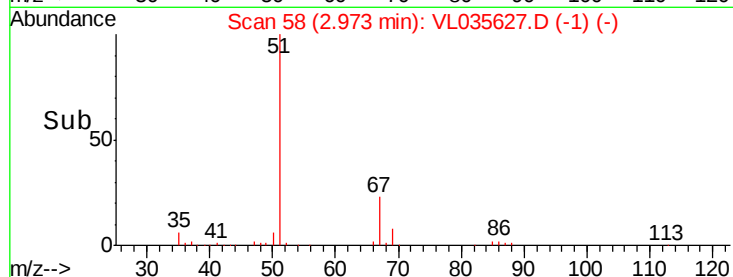
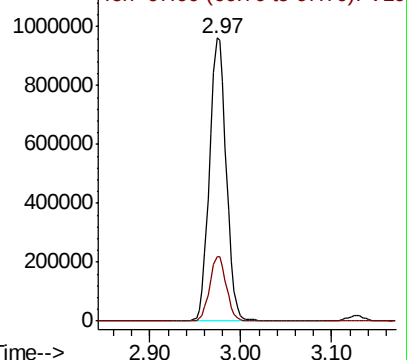
51 100

67 22.4 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: 8.873 ppbv

RT: 3.13 min Scan# 106

Delta R.T. 0.00 min

Lab File: VL035627.D

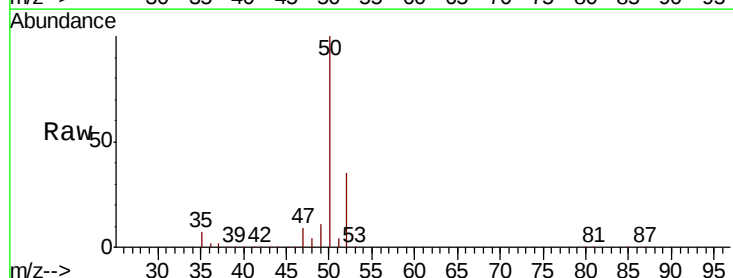
Acq: 16 Sep 2020 12:18

Tgt Ion: 50 Resp: 650365

Ion Ratio Lower Upper

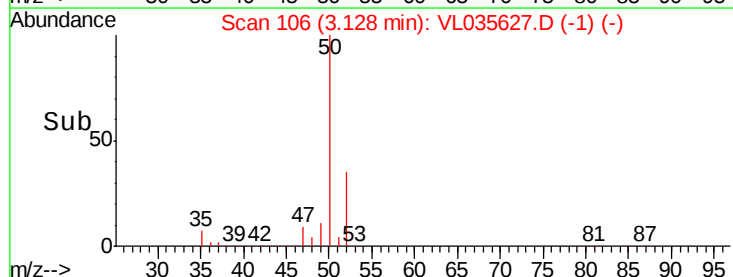
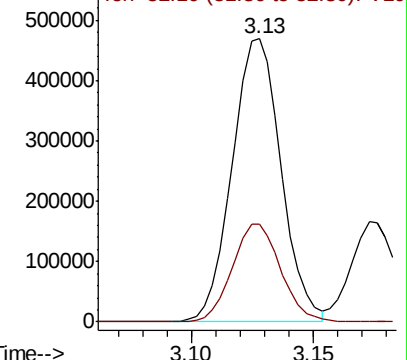
50 100

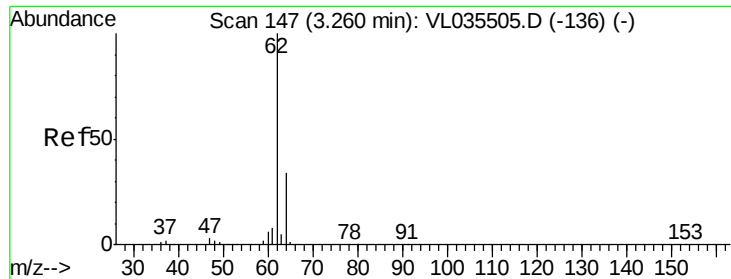
52 34.6 27.7 41.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.706 ppbv

RT: 3.24 min Scan# 142

Delta R.T. 0.00 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

Instrument :

MSVOA_L

ClientSampleId :

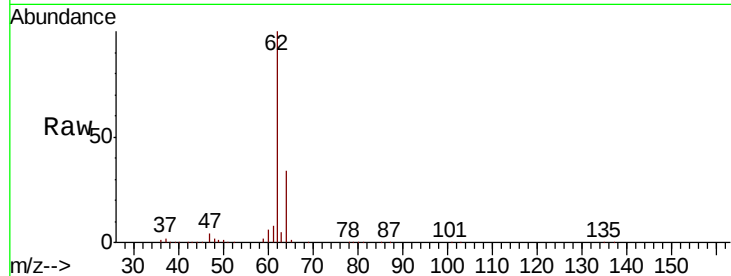
VSTDCCC010

Tot Ion: 62 Resp: 786676

Ion Ratio Lower Upper

62 100

64 33.8 27.4 41.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.24

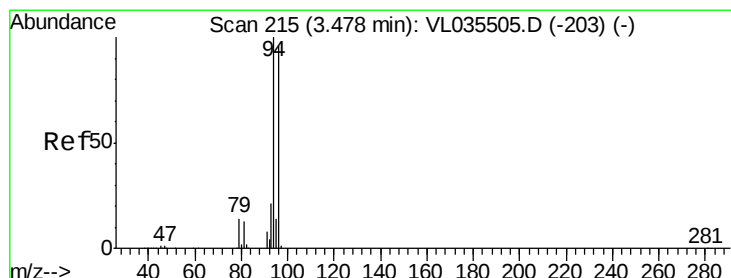
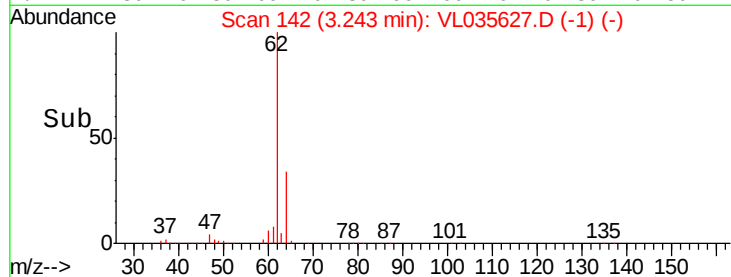
600000

400000

200000

0

Time-->



#6

Bromomethane

Concen: 9.153 ppbv

RT: 3.46 min Scan# 209

Delta R.T. -0.00 min

Lab File: VL035627.D

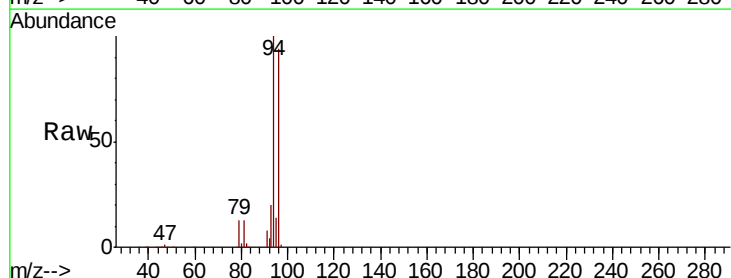
Acq: 16 Sep 2020 12:18

Tgt Ion: 94 Resp: 694710

Ion Ratio Lower Upper

94 100

96 93.6 77.1 115.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.46

500000

400000

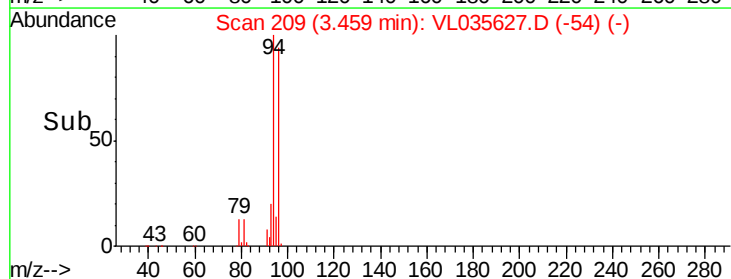
300000

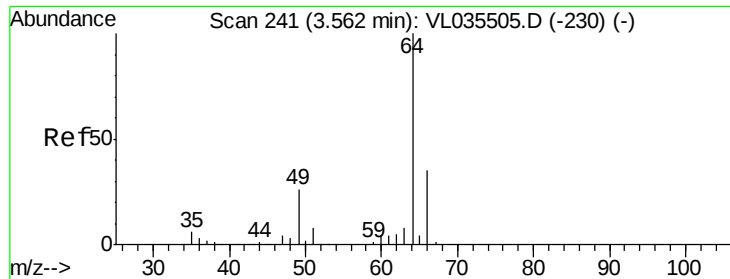
200000

100000

0

Time-->





#7

Chloroethane

Concen: 9.429 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.00 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

Instrument :

MSVOA_L

ClientSampleId :

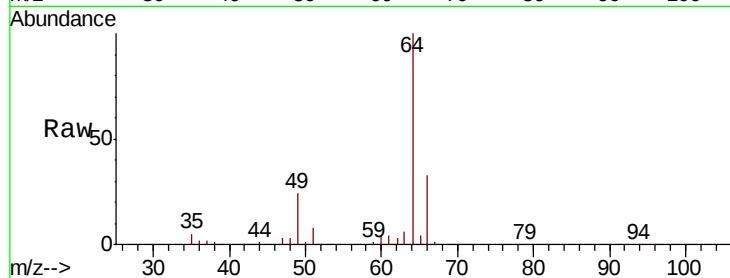
VSTDCCC010

Tot Ion: 64 Resp: 301227

Ion Ratio Lower Upper

64 100

66 32.8 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

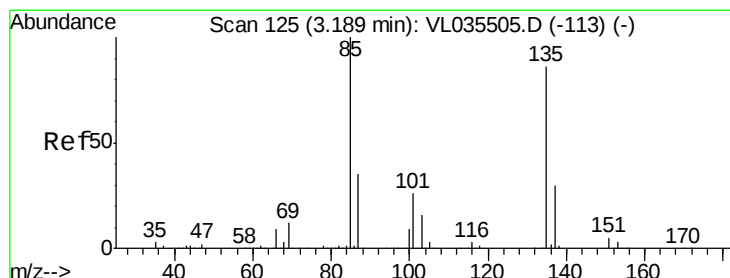
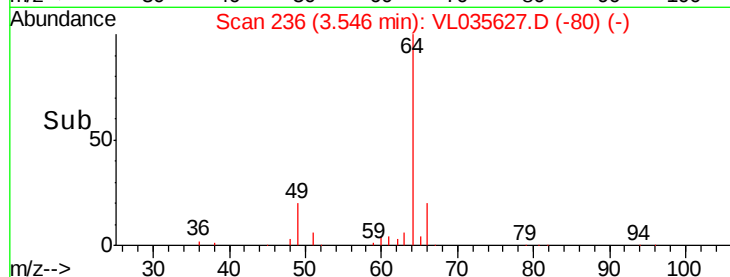
3.55

3.50

3.55

3.60

Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.820 ppbv

RT: 3.18 min Scan# 121

Delta R.T. 0.00 min

Lab File: VL035627.D

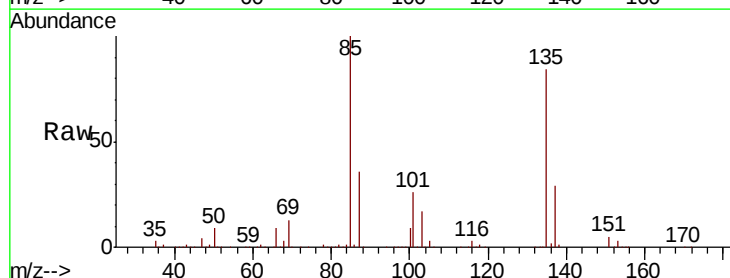
Acq: 16 Sep 2020 12:18

Tgt Ion: 85 Resp: 2289852

Ion Ratio Lower Upper

85 100

135 83.1 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

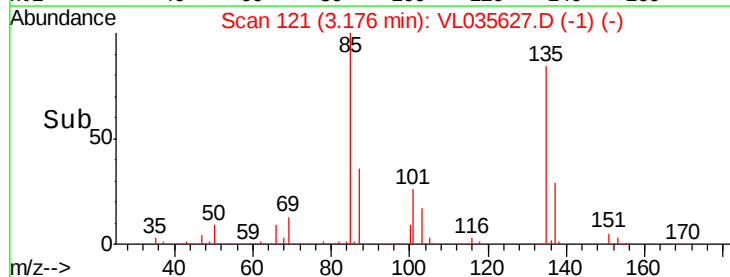
3.10

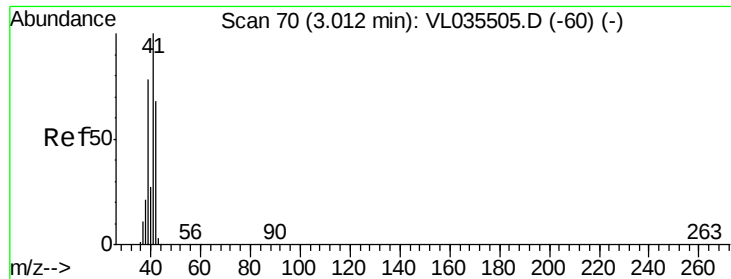
3.15

3.20

3.25

Time-->





#9

Propene

Concen: 8.928 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.00 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

Instrument :

MSVOA_L

ClientSampleId :

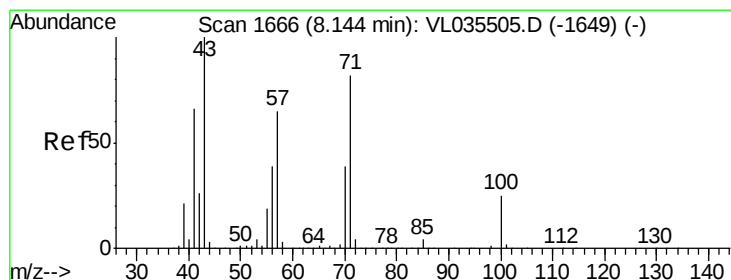
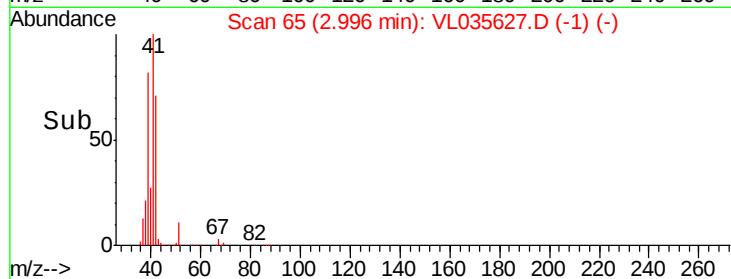
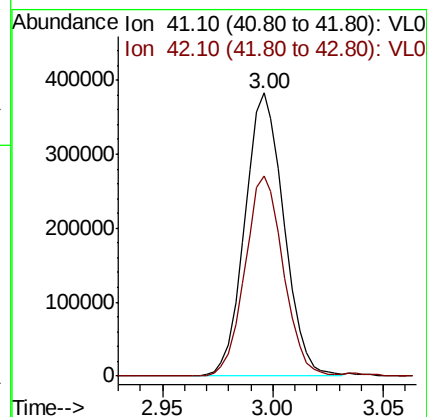
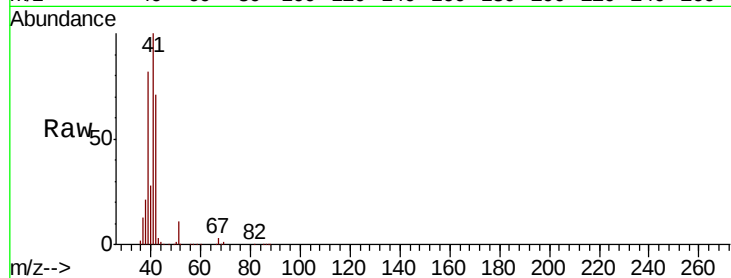
VSTDCCC010

Tot Ion: 41 Resp: 470901

Ion Ratio Lower Upper

41 100

42 70.4 56.3 84.5



#10

Heptane

Concen: 9.388 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VL035627.D

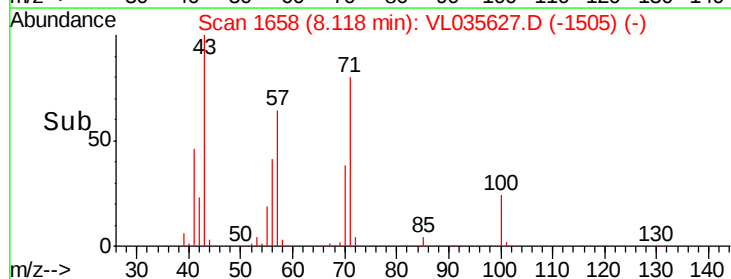
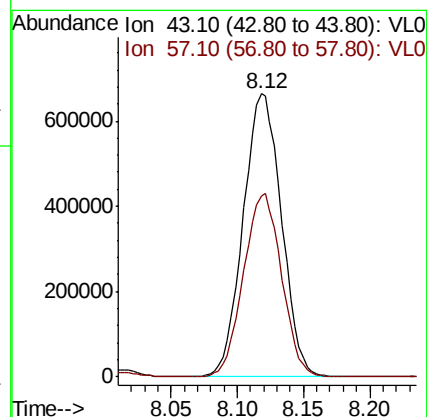
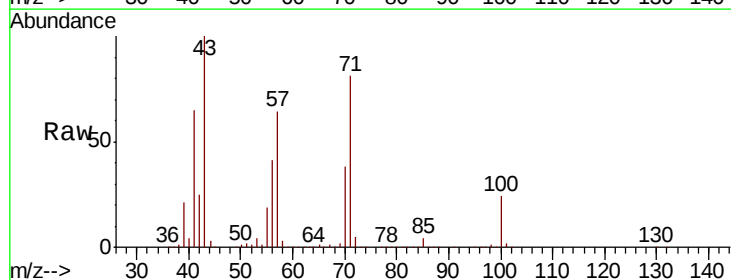
Acq: 16 Sep 2020 12:18

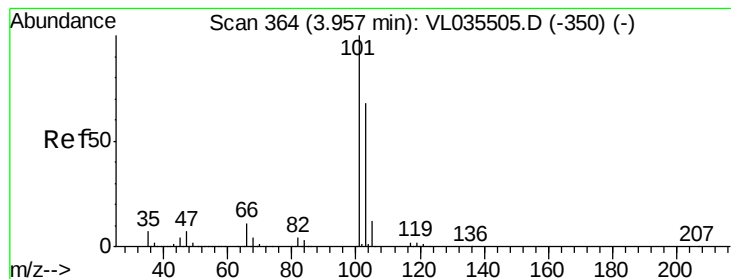
Tgt Ion: 43 Resp: 1329874

Ion Ratio Lower Upper

43 100

57 64.3 51.4 77.0





#11

Trichlorofluoromethane

Concen: 8.612 ppbv

RT: 3.94 min Scan# 358

Delta R.T. -0.00 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

Instrument :

MSVOA_L

ClientSampleId :

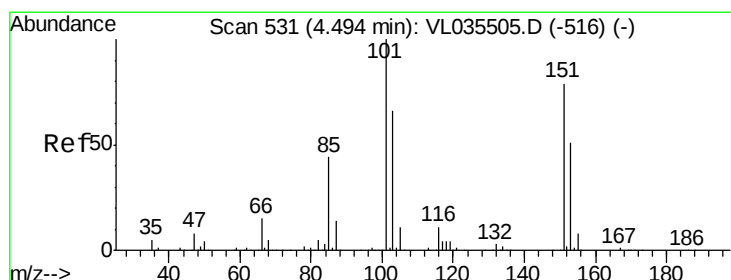
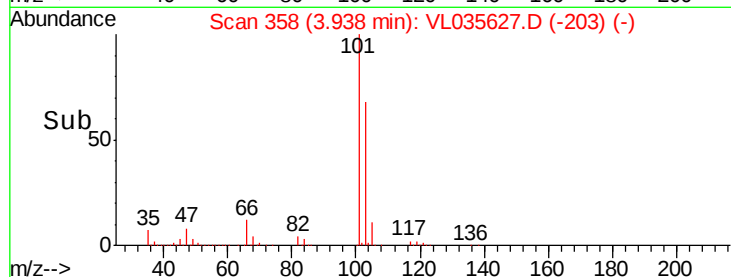
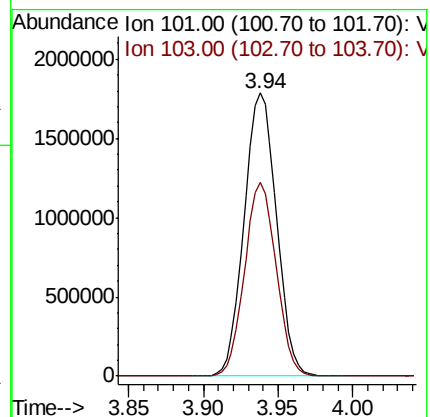
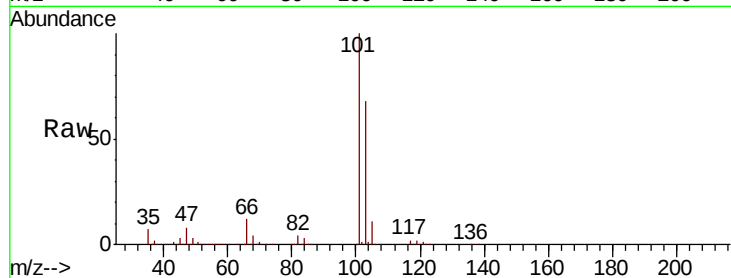
VSTDCCC010

Tot Ion:101 Resp: 2692185

Ion Ratio Lower Upper

101 100

103 68.2 54.5 81.7



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.727 ppbv

RT: 4.47 min Scan# 525

Delta R.T. -0.00 min

Lab File: VL035627.D

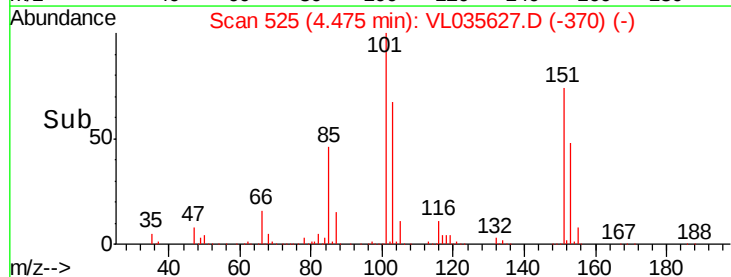
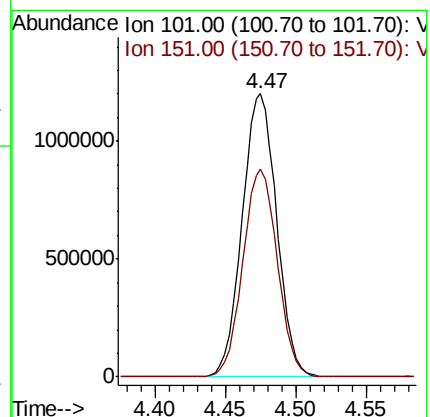
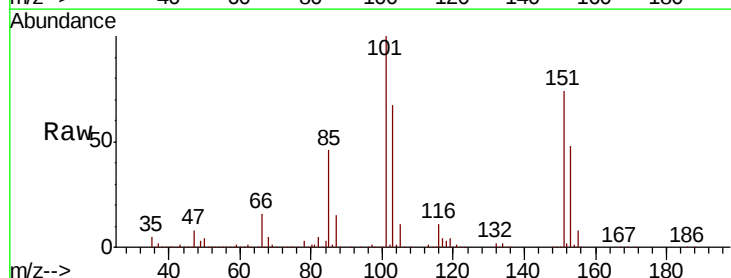
Acq: 16 Sep 2020 12:18

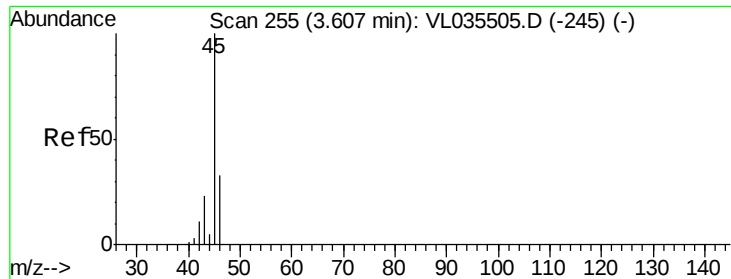
Tgt Ion:101 Resp: 2059088

Ion Ratio Lower Upper

101 100

151 73.6 63.5 95.3





#13

Ethanol

Concen: 8.584 ppbv

RT: 3.59 min Scan# 251

Delta R.T. -0.00 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

Instrument :

MSVOA_L

ClientSampleId :

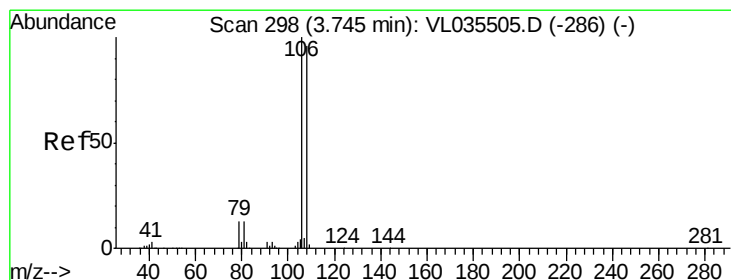
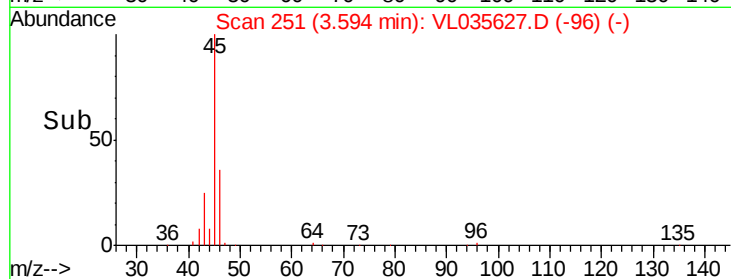
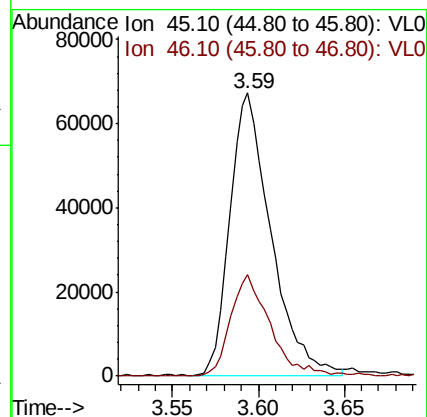
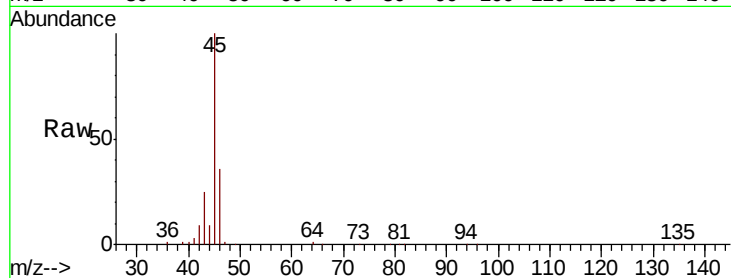
VSTDCCC010

Tot Ion: 45 Resp: 112246

Ion Ratio Lower Upper

45 100

46 34.4 15.2 60.6



#14

Bromoethene

Concen: 9.325 ppbv

RT: 3.73 min Scan# 292

Delta R.T. -0.00 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

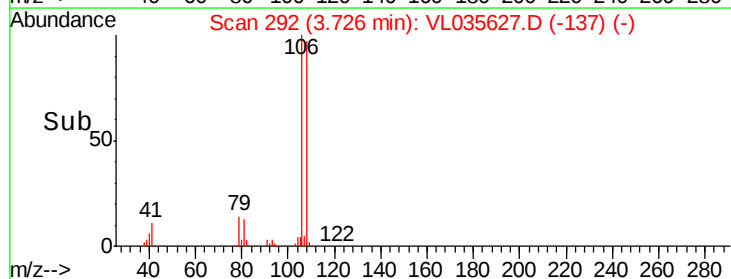
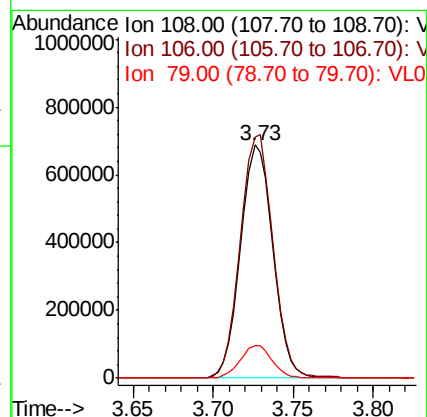
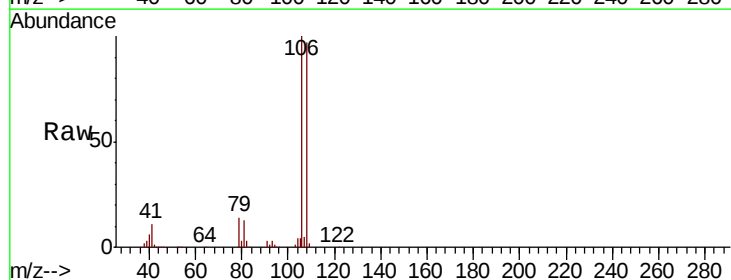
Tgt Ion: 108 Resp: 947002

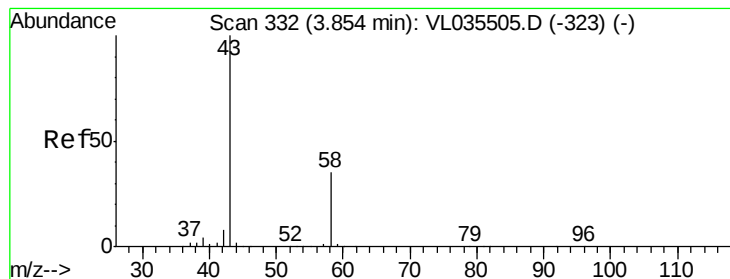
Ion Ratio Lower Upper

108 100

106 105.6 84.9 127.3

79 14.1 10.8 16.2





#15

Acetone

Concen: 7.603 ppbv

RT: 3.84 min Scan# 327

Delta R.T. 0.00 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

Instrument :

MSVOA_L

ClientSampleId :

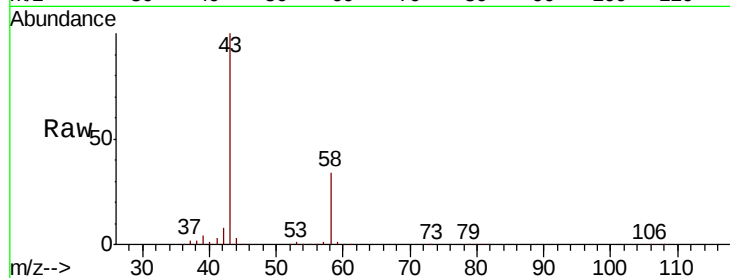
VSTDCCC010

Tot Ion: 43 Resp: 1037285

Ion Ratio Lower Upper

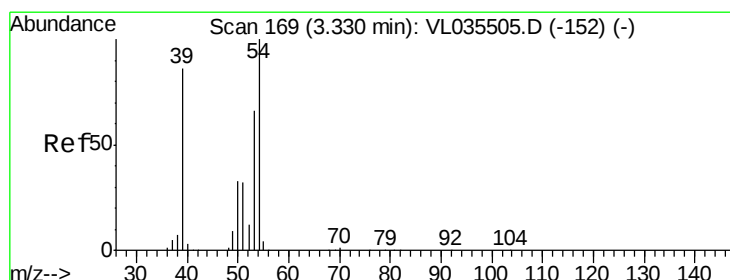
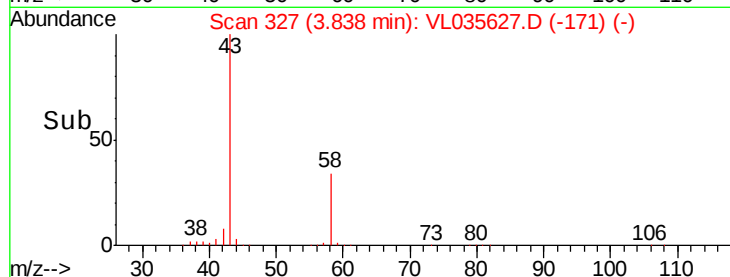
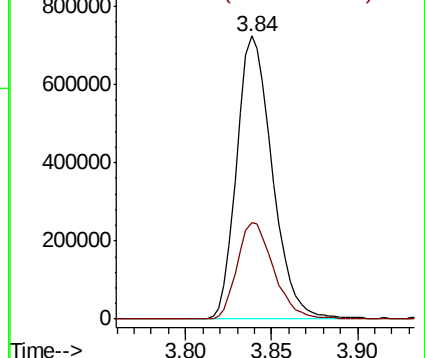
43 100

58 35.1 28.4 42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 9.426 ppbv

RT: 3.31 min Scan# 164

Delta R.T. -0.00 min

Lab File: VL035627.D

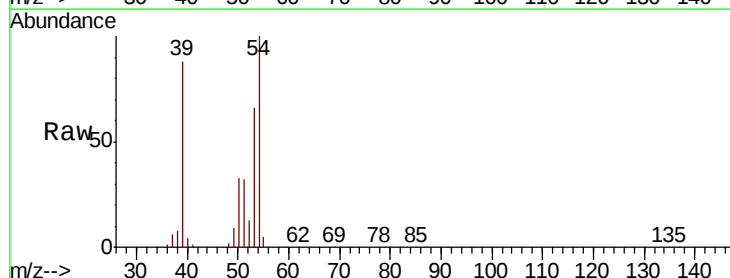
Acq: 16 Sep 2020 12:18

Tgt Ion: 39 Resp: 478728

Ion Ratio Lower Upper

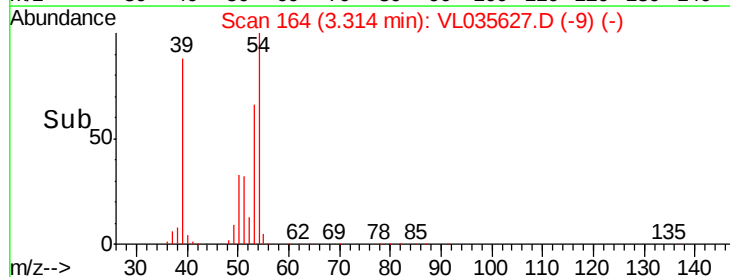
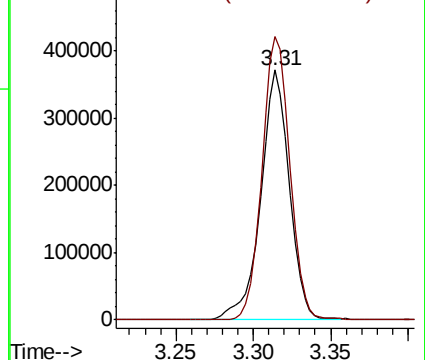
39 100

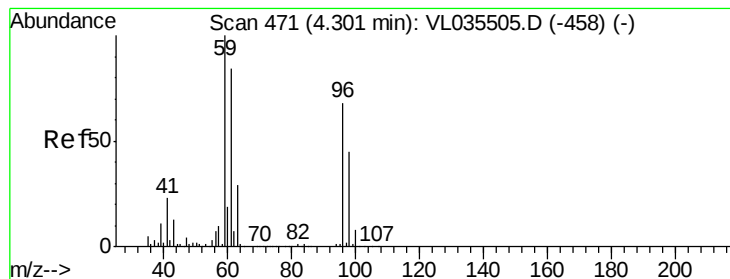
54 111.0 88.4 132.6



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





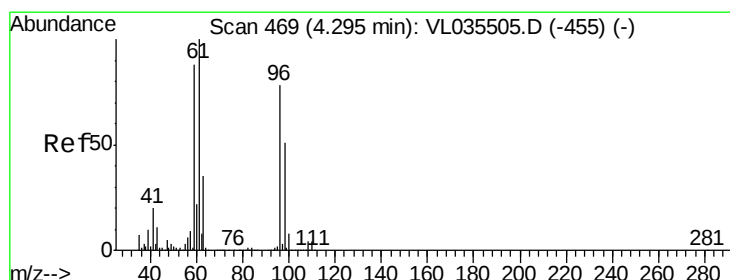
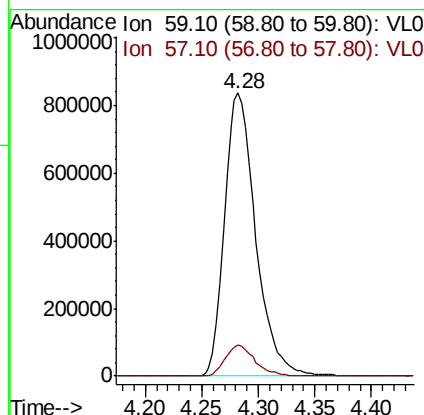
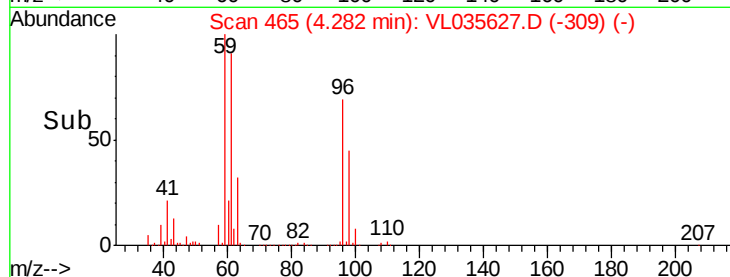
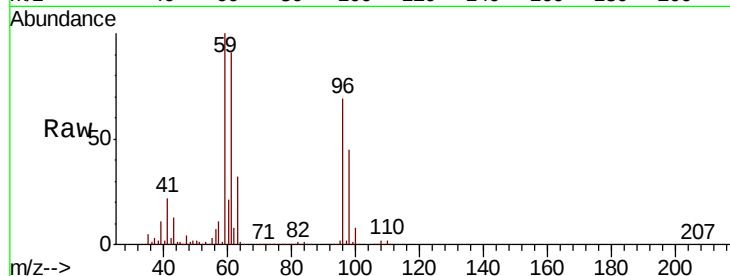
#17

tert-Butyl alcohol
Concen: 9.642 ppbv
RT: 4.28 min Scan# 465
Delta R.T. 0.00 min
Lab File: VL035627.D
Acq: 16 Sep 2020 12:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 59 Resp: 1601250

Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.4	12.6

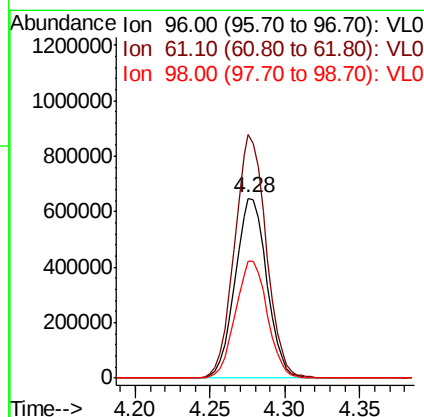
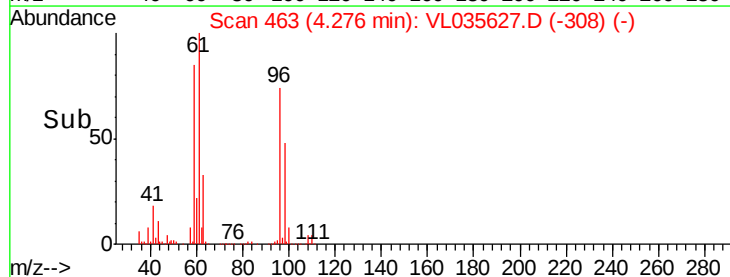
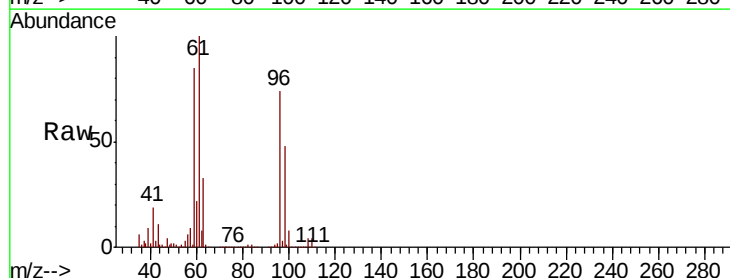


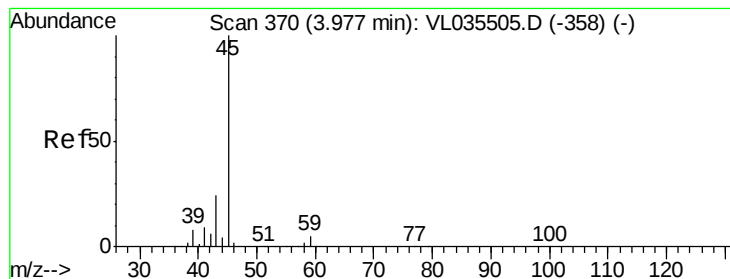
#18

1,1-Dichloroethene
Concen: 9.228 ppbv
RT: 4.28 min Scan# 463
Delta R.T. -0.00 min
Lab File: VL035627.D
Acq: 16 Sep 2020 12:18

Tgt Ion: 96 Resp: 958768

Ion	Ratio	Lower	Upper
96	100		
61	135.3	103.0	154.6
98	64.9	52.8	79.2





#19

Isopropyl Alcohol

Concen: 9.467 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

Instrument :

MSVOA_L

ClientSampleId :

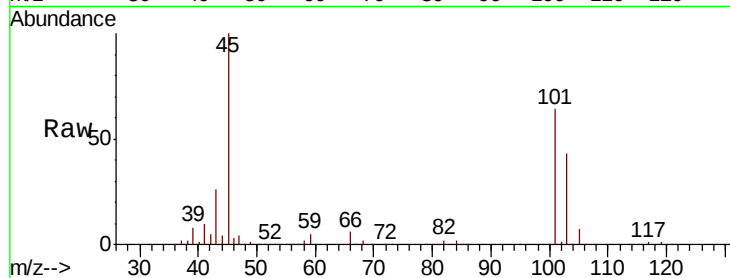
VSTDCCC010

Tot Ion: 45 Resp: 770526

Ion Ratio Lower Upper

45 100

58 2.5 2.0 3.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.96

400000

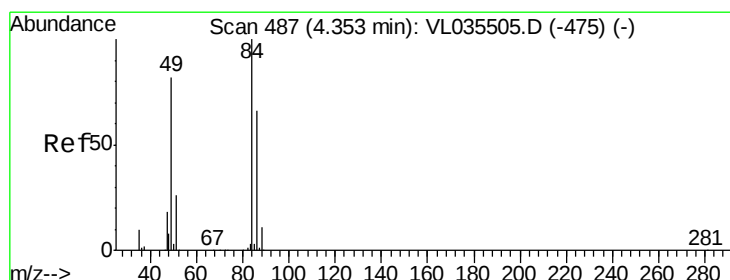
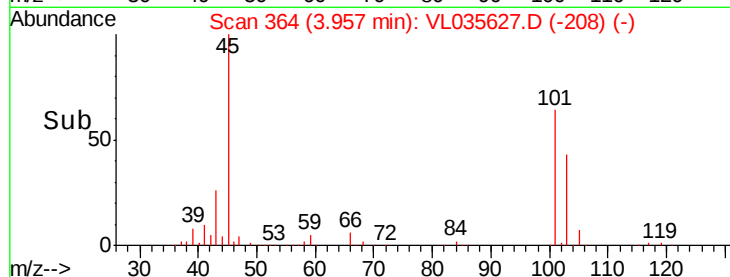
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 7.759 ppbv

RT: 4.33 min Scan# 481

Delta R.T. -0.00 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

Tgt Ion: 84 Resp: 788432

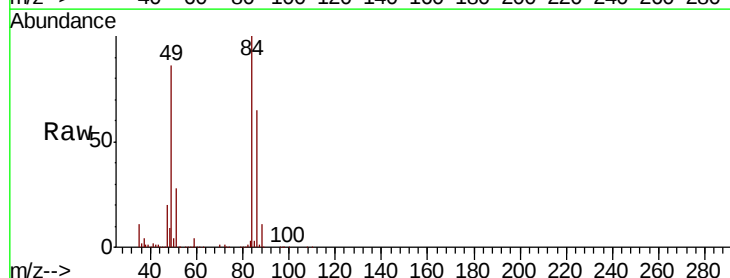
Ion Ratio Lower Upper

84 100

49 84.9 65.4 98.0

51 26.6 21.5 32.3

86 65.1 52.9 79.3



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

800000

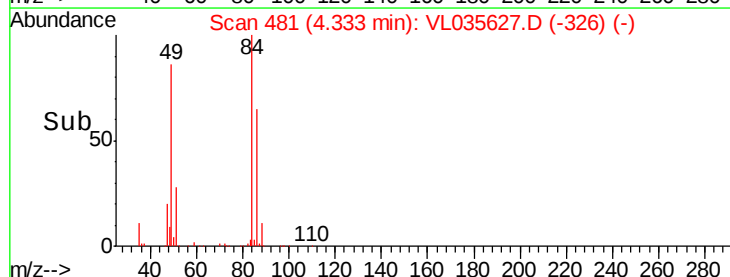
600000

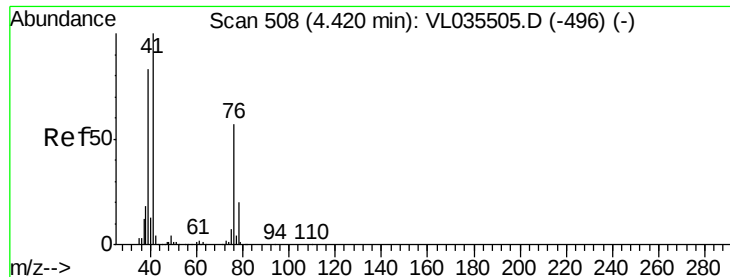
400000

200000

0

Time-->

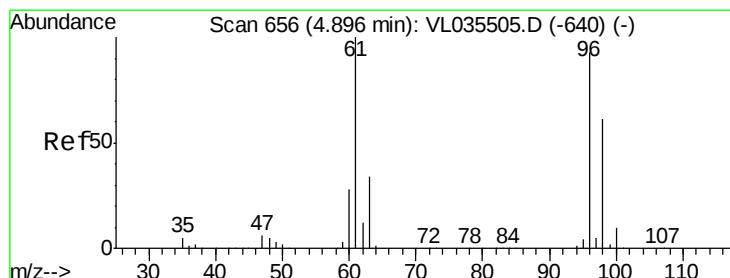
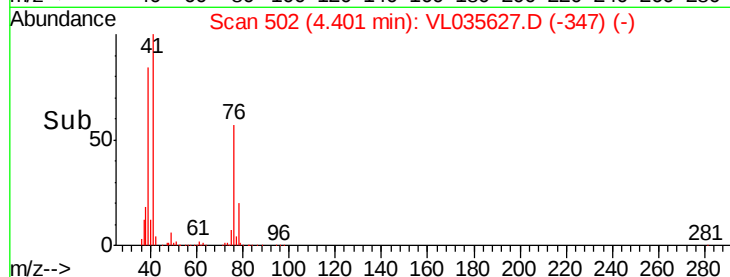
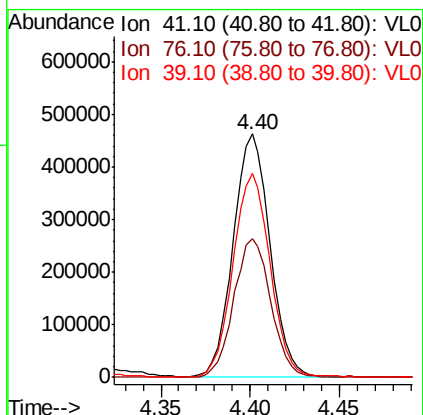
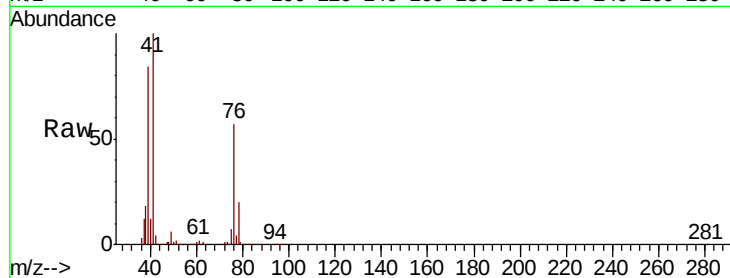




#21
Allvl Chloride
Concen: 10.400 ppbv
RT: 4.40 min Scan# 502
Delta R.T. -0.00 min
Lab File: VL035627.D
Acq: 16 Sep 2020 12:18

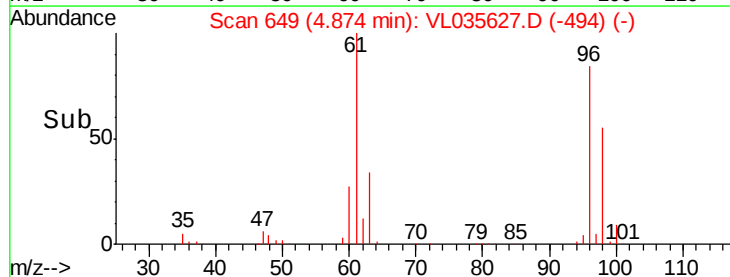
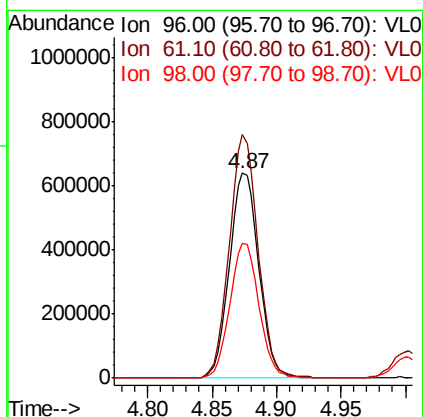
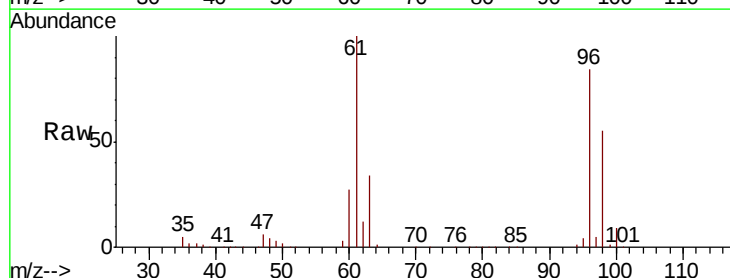
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

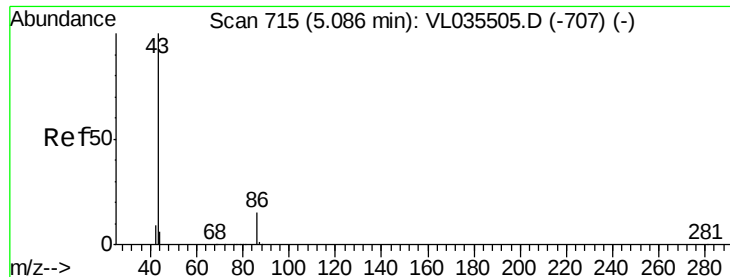
Tot Ion: 41 Resp: 664734
Ion Ratio Lower Upper
41 100
76 57.7 46.2 69.2
39 85.1 67.8 101.6



#22
trans-1,2-Dichloroethene
Concen: 9.168 ppbv
RT: 4.87 min Scan# 649
Delta R.T. -0.00 min
Lab File: VL035627.D
Acq: 16 Sep 2020 12:18

Tgt Ion: 96 Resp: 1014094
Ion Ratio Lower Upper
96 100
61 118.9 86.0 129.0
98 65.7 52.3 78.5



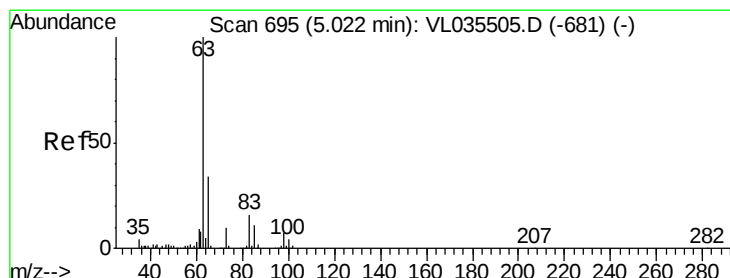
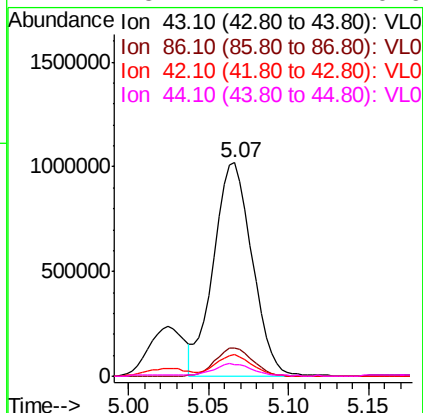
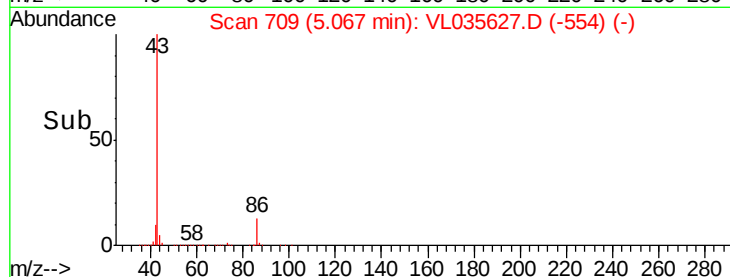
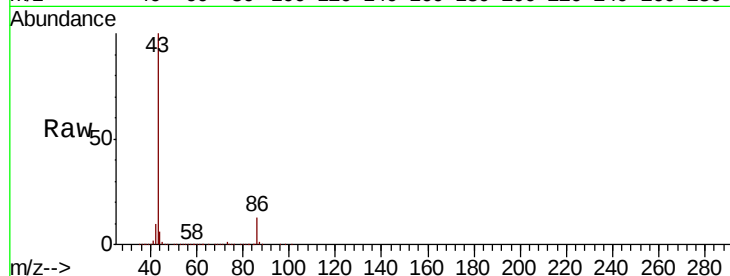


#23
 Vinyl Acetate
 Concen: 9.668 ppbv
 RT: 5.07 min Scan# 709
 Delta R.T. -0.00 min
 Lab File: VL035627.D
 Acq: 16 Sep 2020 12:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 43 Resp: 1692958

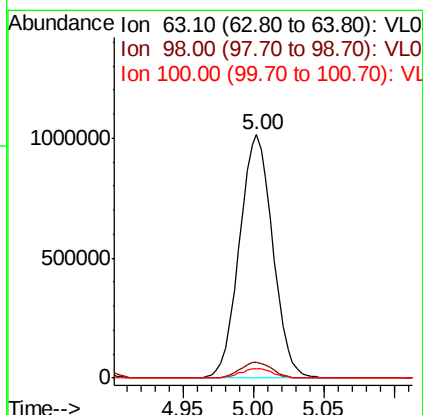
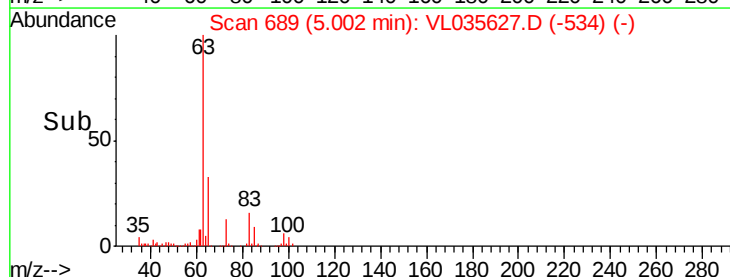
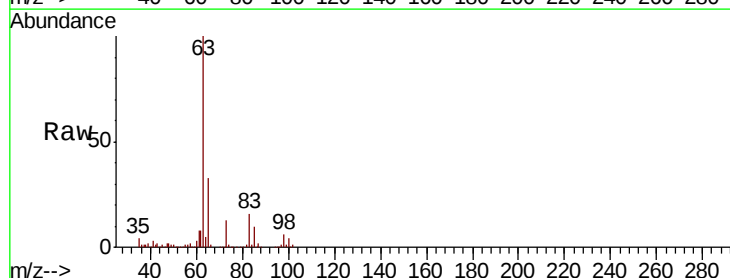
Ion	Ratio	Lower	Upper
43	100		
86	13.2	10.6	16.0
42	9.9	7.5	11.3
44	5.4	4.4	6.6

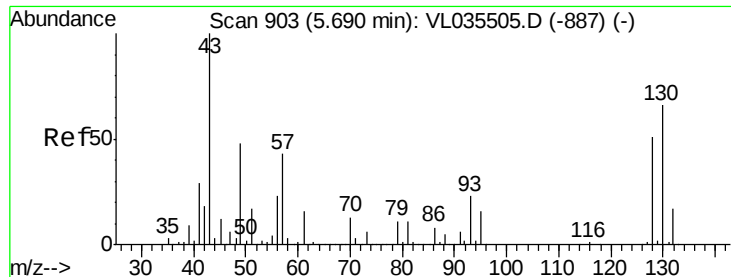


#24
 1,1-Dichloroethane
 Concen: 9.279 ppbv
 RT: 5.00 min Scan# 689
 Delta R.T. -0.00 min
 Lab File: VL035627.D
 Acq: 16 Sep 2020 12:18

Tgt Ion: 63 Resp: 1672152

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.4	10.1
100	4.0	2.1	6.5



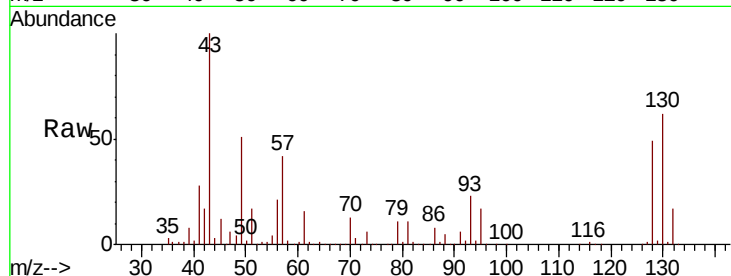


#25
Ethyl Acetate
Concen: 9.059 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.01 min
Lab File: VL035627.D
Acq: 16 Sep 2020 12:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 2183381

Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.4	12.6
61	13.4	10.6	16.0
70	11.8	9.4	14.2



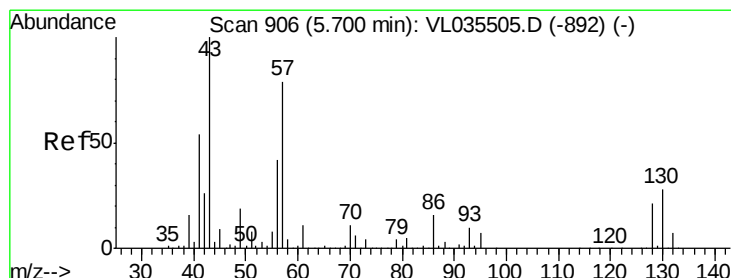
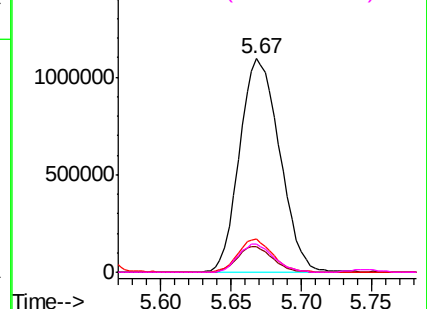
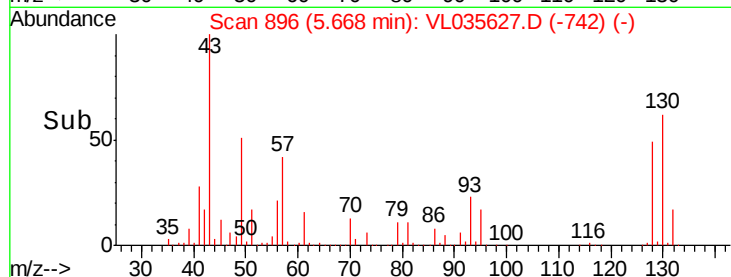
Abundance

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

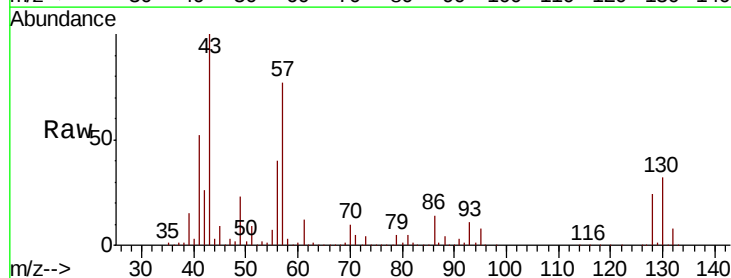
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.065 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.01 min
Lab File: VL035627.D
Acq: 16 Sep 2020 12:18

Tgt Ion: 57 Resp: 1237884

Ion	Ratio	Lower	Upper
57	100		
41	70.7	55.9	83.9
43	177.1	141.8	212.8
56	52.4	41.8	62.8



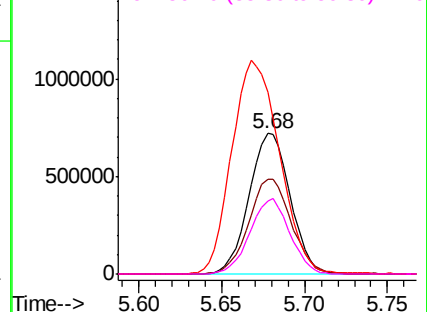
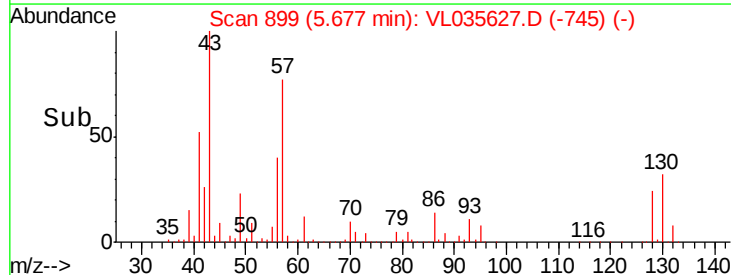
Abundance

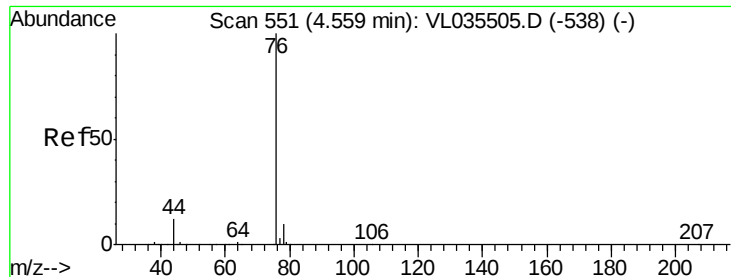
Ion 57.10 (56.80 to 57.80): VL0

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: 10.699 ppbv

RT: 4.54 min Scan# 545

Delta R.T. -0.00 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

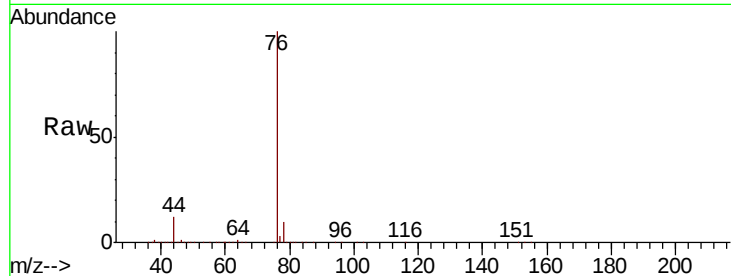
Tot Ion: 76 Resp: 2096657

Ion Ratio Lower Upper

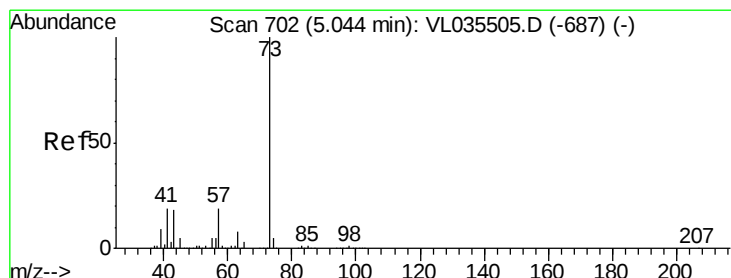
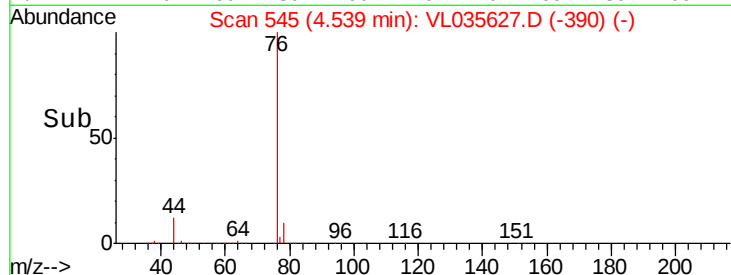
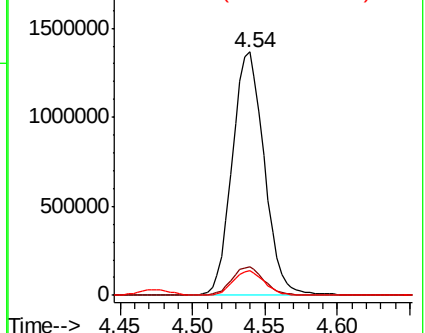
76 100

44 11.5 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: 9.616 ppbv

RT: 5.02 min Scan# 696

Delta R.T. -0.00 min

Lab File: VL035627.D

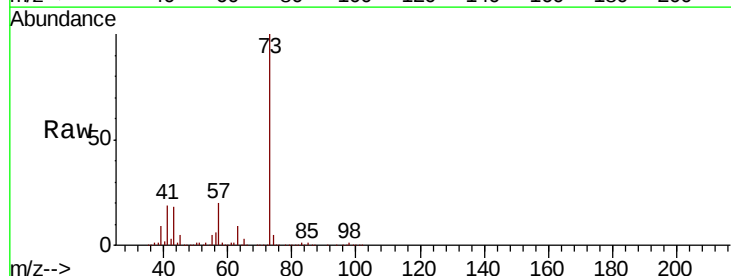
Acq: 16 Sep 2020 12:18

Tgt Ion: 73 Resp: 2288620

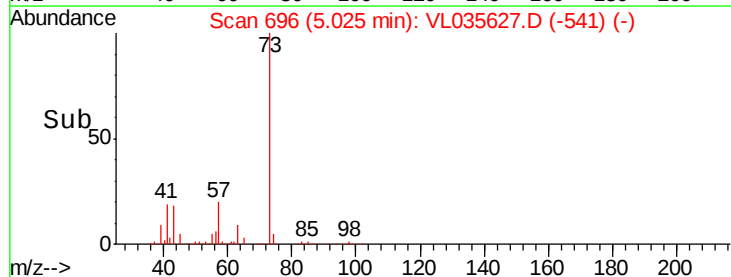
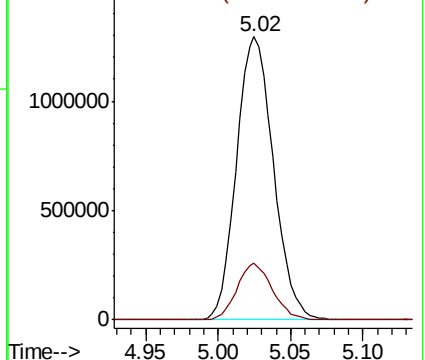
Ion Ratio Lower Upper

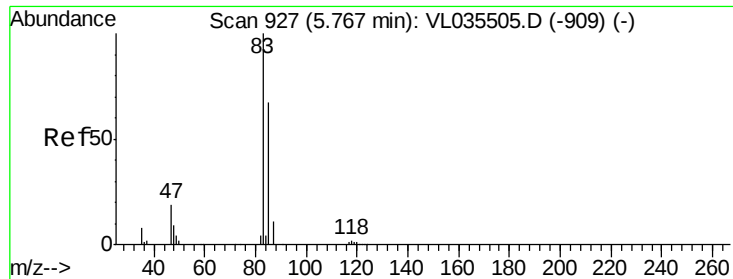
73 100

57 19.3 15.2 22.8



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

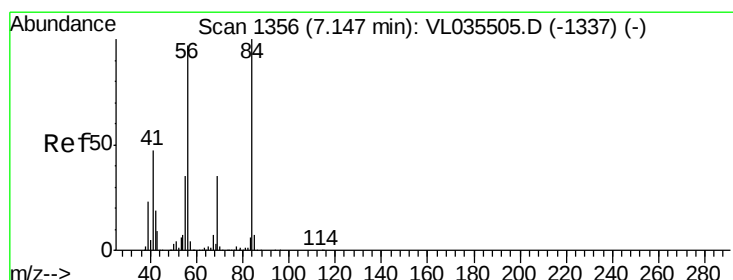
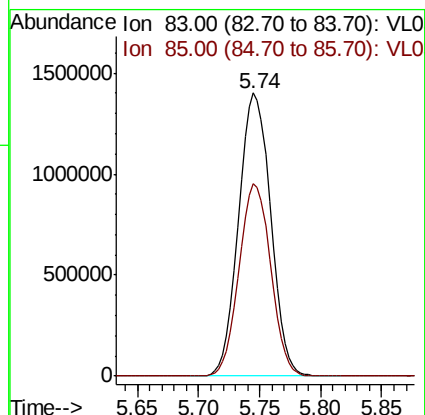
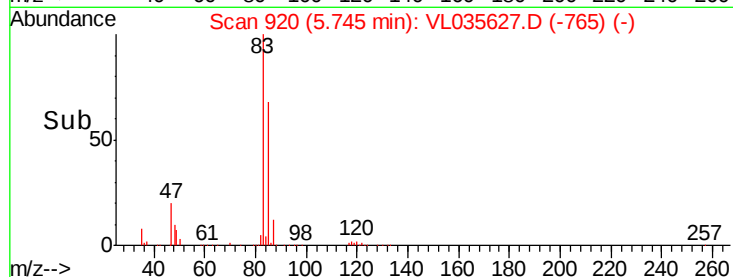
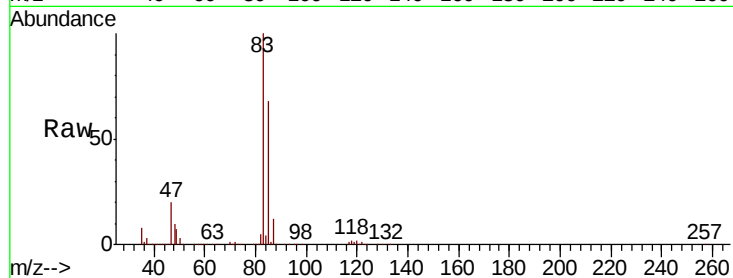




#29
Chloroform
Concen: 9.167 ppbv
RT: 5.74 min Scan# 920
Delta R.T. -0.00 min
Lab File: VL035627.D
Acq: 16 Sep 2020 12:18

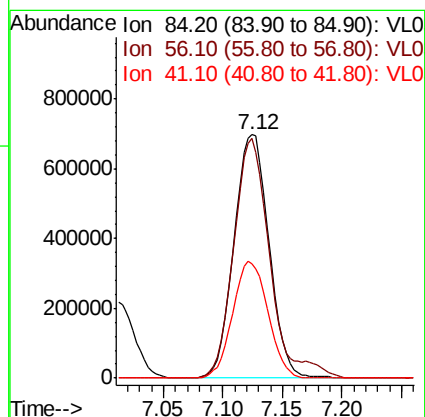
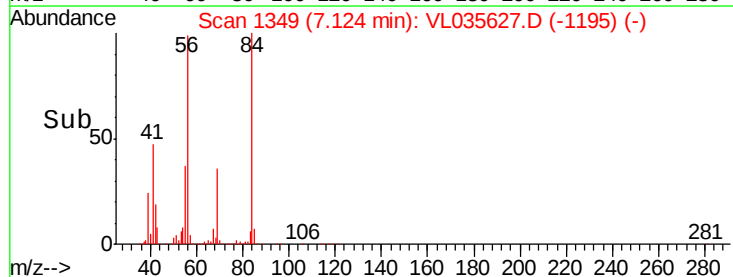
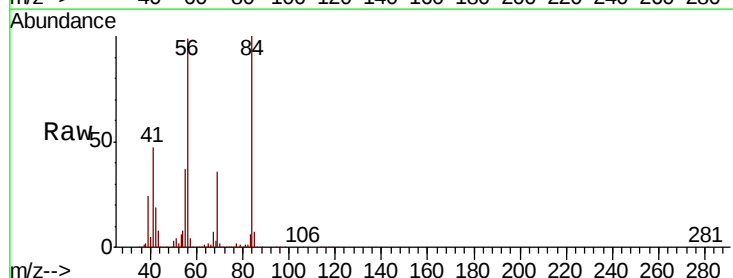
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

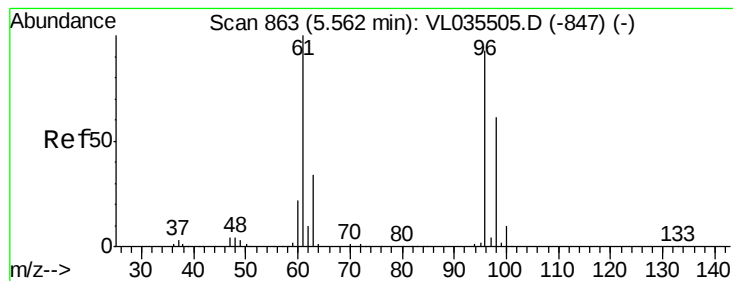
Tot Ion: 83 Resp: 2550455
Ion Ratio Lower Upper
83 100
85 68.0 53.9 80.9



#30
Cyclohexane
Concen: 9.700 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. -0.01 min
Lab File: VL035627.D
Acq: 16 Sep 2020 12:18

Tgt Ion: 84 Resp: 1418968
Ion Ratio Lower Upper
84 100
56 102.1 80.1 120.1
41 48.5 38.1 57.1



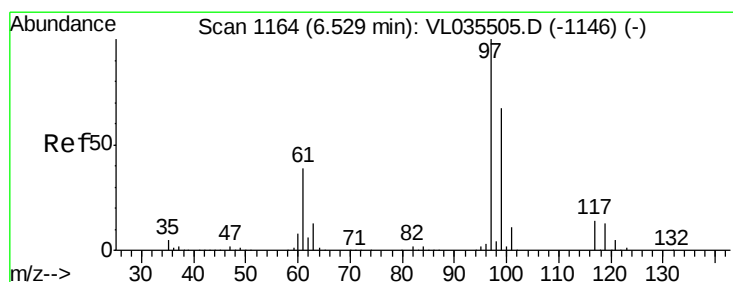
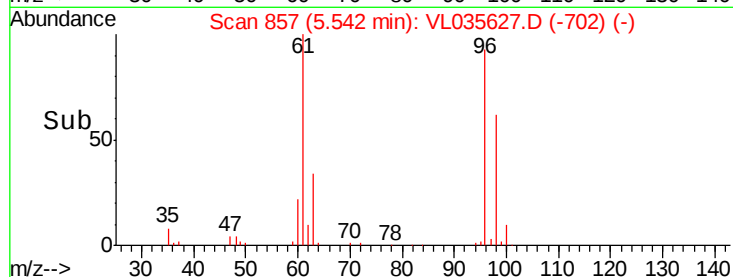
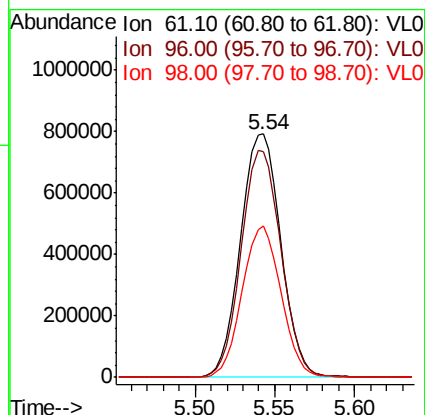
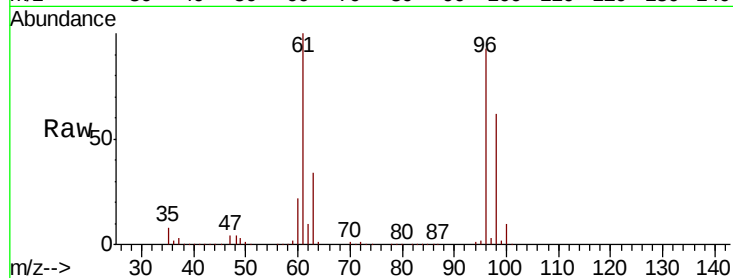


#31

cis-1,2-Dichloroethene
 Concen: 9.705 ppbv
 RT: 5.54 min Scan# 857
 Delta R.T. -0.00 min
 Lab File: VL035627.D
 Acq: 16 Sep 2020 12:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

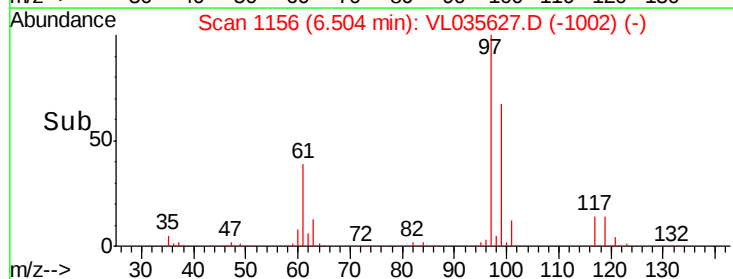
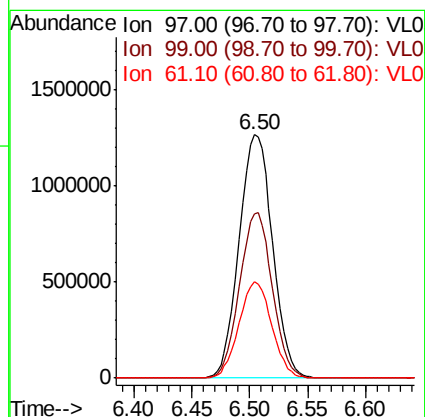
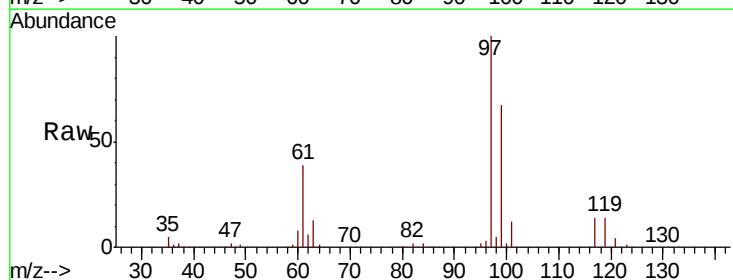
Tot Ion: 61 Resp: 1359660
 Ion Ratio Lower Upper
 61 100
 96 92.9 74.4 111.6
 98 62.0 49.2 73.8

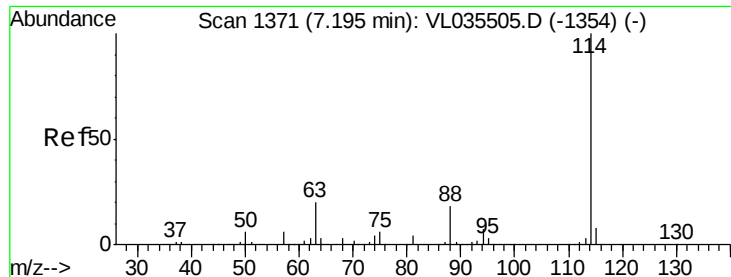


#32

1,1,1-Trichloroethane
 Concen: 9.407 ppbv
 RT: 6.50 min Scan# 1156
 Delta R.T. -0.01 min
 Lab File: VL035627.D
 Acq: 16 Sep 2020 12:18

Tgt Ion: 97 Resp: 2539068
 Ion Ratio Lower Upper
 97 100
 99 66.5 53.3 79.9
 61 38.9 30.6 46.0

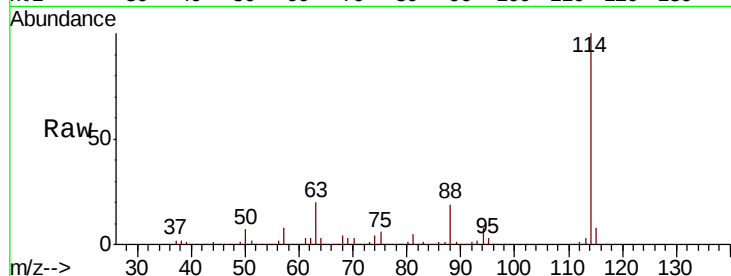




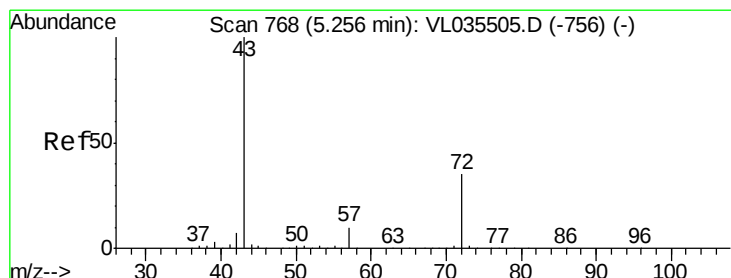
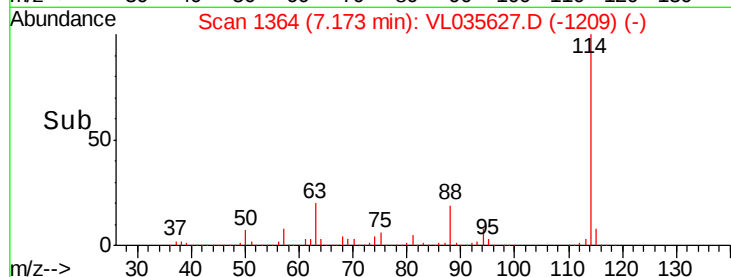
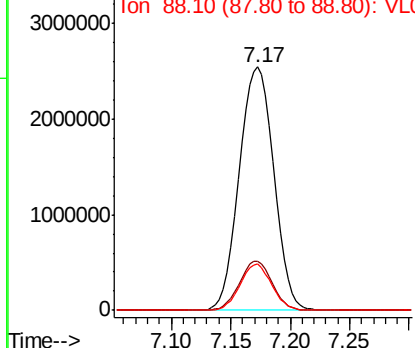
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VL035627.D
 Acq: 16 Sep 2020 12:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:114 Resp: 5126876
 Ion Ratio Lower Upper
 114 100
 63 19.3 14.7 22.1
 88 17.4 13.4 20.2

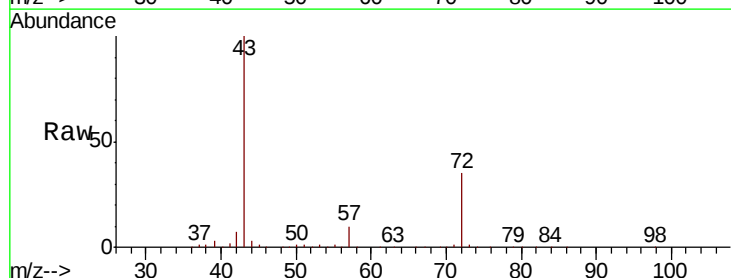


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

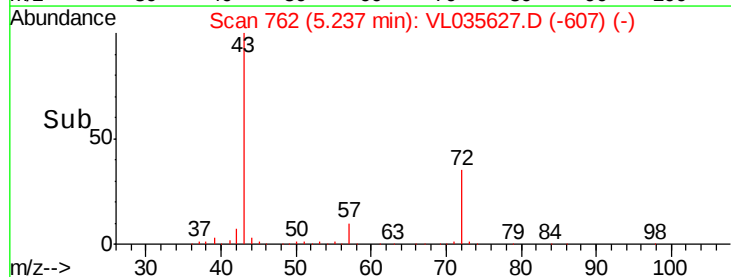
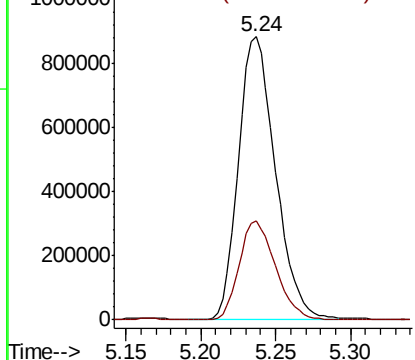


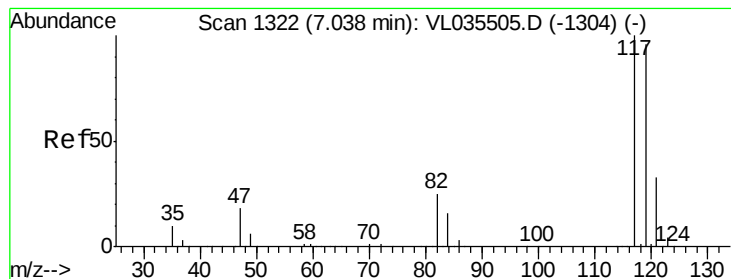
#34
 2-Butanone
 Concen: 9.998 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VL035627.D
 Acq: 16 Sep 2020 12:18

Tgt Ion: 43 Resp: 1521236
 Ion Ratio Lower Upper
 43 100
 72 34.5 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: 10.200 ppbv

RT: 7.01 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

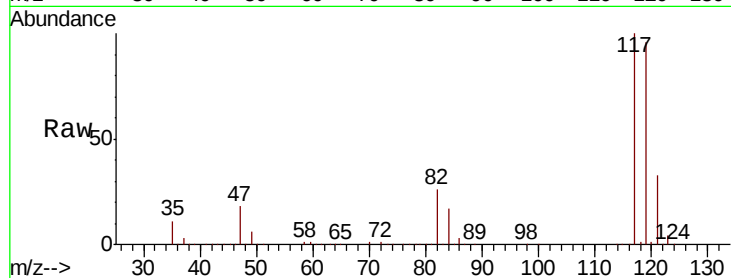
Tot Ion:117 Resp: 2628271

Ion Ratio Lower Upper

117 100

119 95.8 77.2 115.8

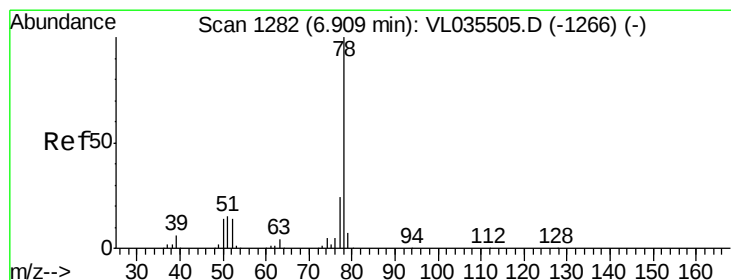
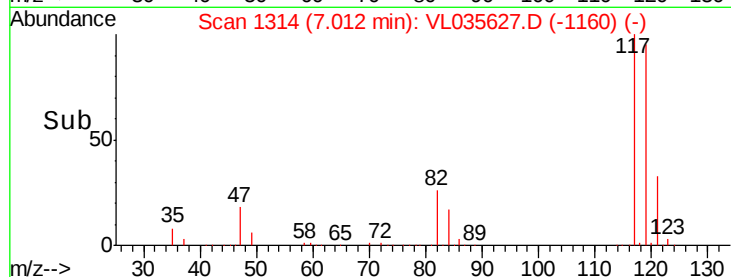
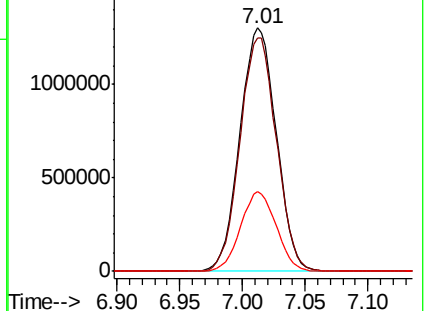
121 32.8 26.1 39.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.817 ppbv

RT: 6.89 min Scan# 1275

Delta R.T. -0.01 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

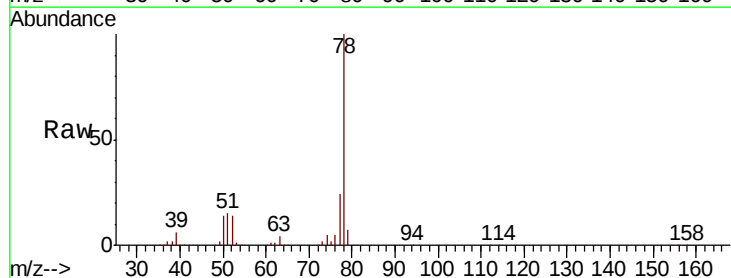
Tgt Ion: 78 Resp: 3257926

Ion Ratio Lower Upper

78 100

77 23.9 19.3 28.9

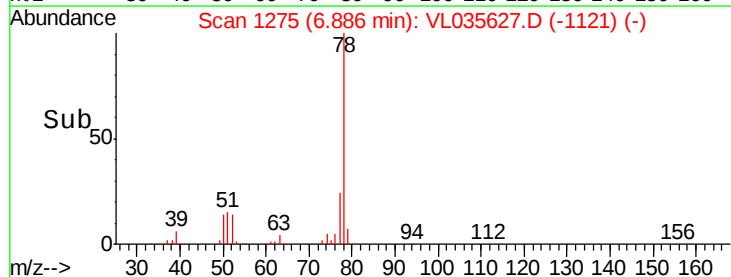
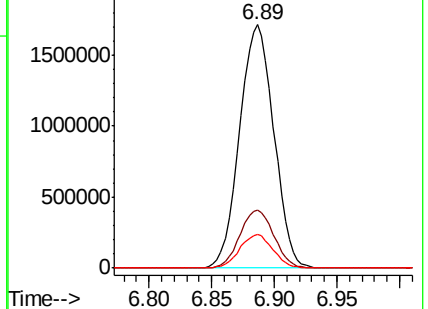
50 14.1 11.0 16.6

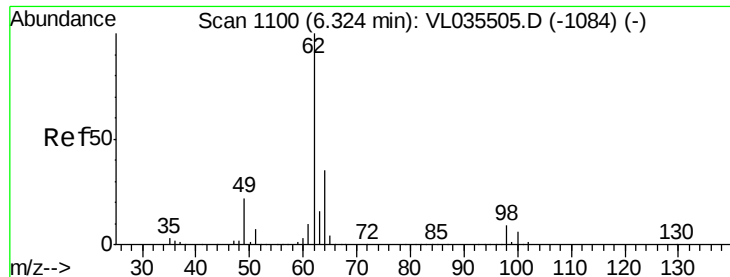


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

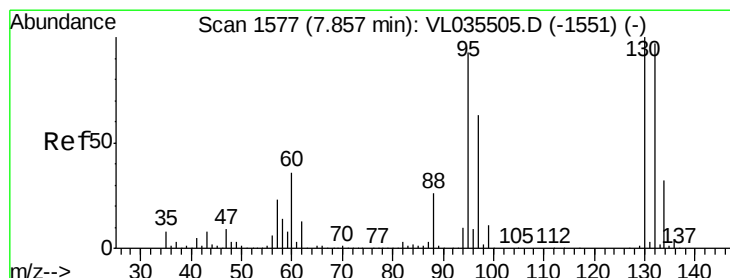
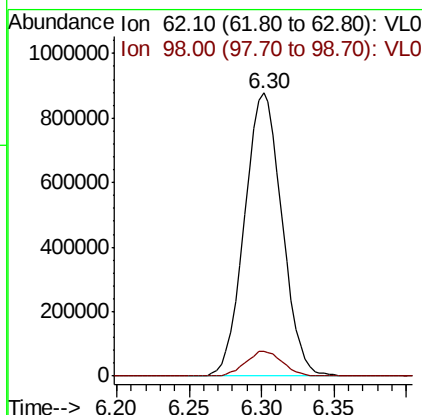
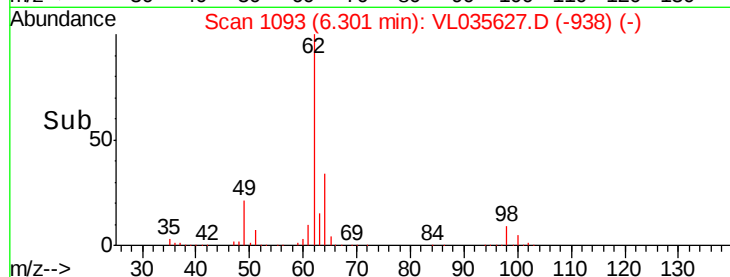
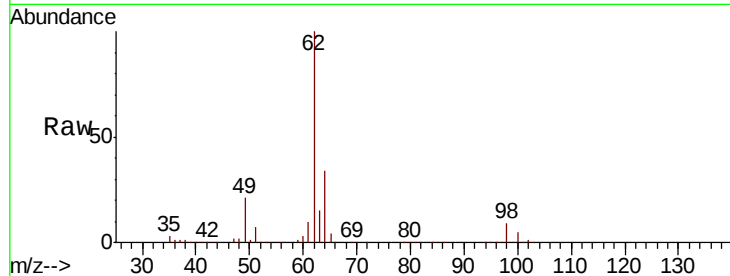




#37
 1,2-Dichloroethane
 Concen: 9.974 ppbv
 RT: 6.30 min Scan# 1093
 Delta R.T. -0.00 min
 Lab File: VL035627.D
 Acq: 16 Sep 2020 12:18

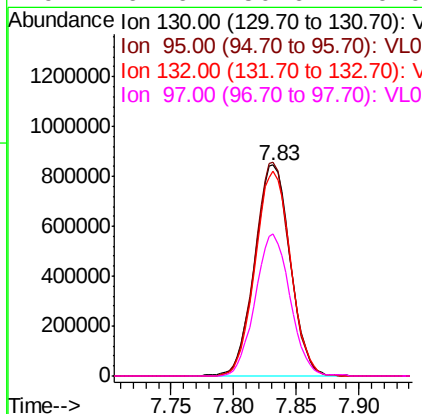
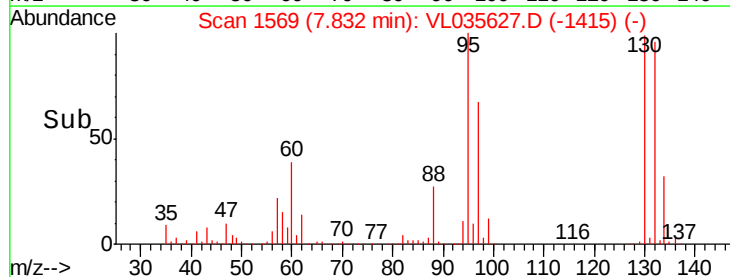
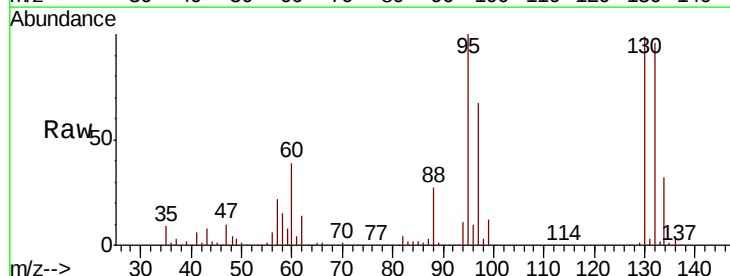
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

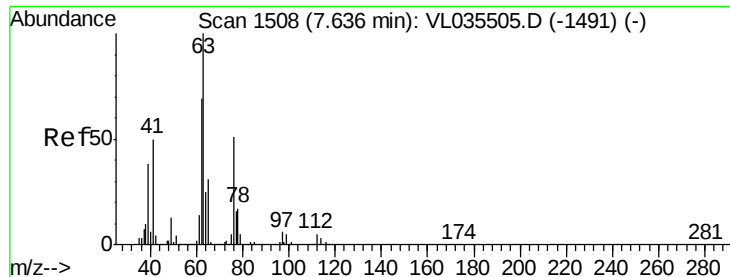
Tot Ion: 62 Resp: 1578052
 Ion Ratio Lower Upper
 62 100
 98 8.9 7.4 11.0



#38
 Trichloroethene
 Concen: 8.629 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: VL035627.D
 Acq: 16 Sep 2020 12:18

Tgt Ion: 130 Resp: 1663414
 Ion Ratio Lower Upper
 130 100
 95 101.3 74.6 112.0
 132 97.3 77.6 116.4
 97 67.6 50.6 76.0





#39

1,2-Dichloropropane

Concen: 9.800 ppbv

RT: 7.61 min Scan# 1500

Delta R.T. -0.00 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

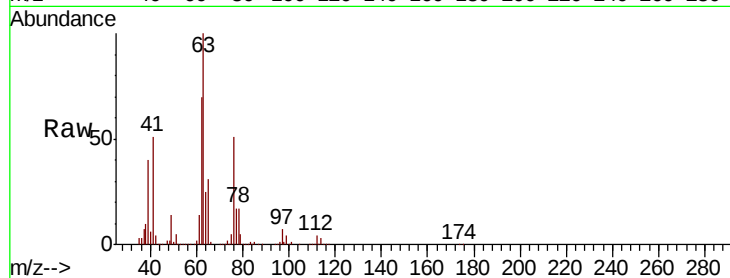
Tot Ion: 63 Resp: 1098715

Ion Ratio Lower Upper

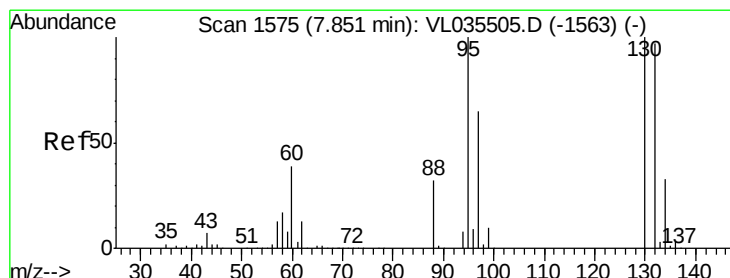
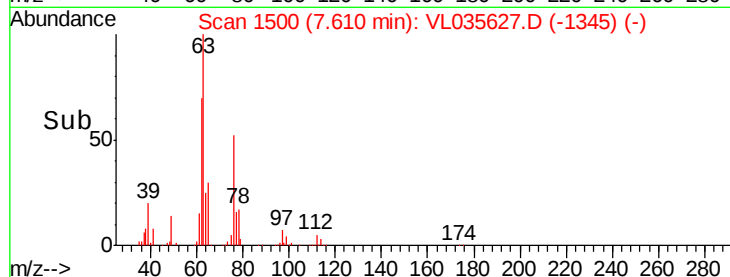
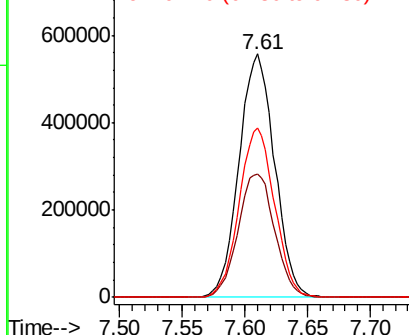
63 100

41 50.7 40.0 60.0

62 69.8 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: 10.665 ppbv

RT: 7.83 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

Tgt Ion: 88 Resp: 597272

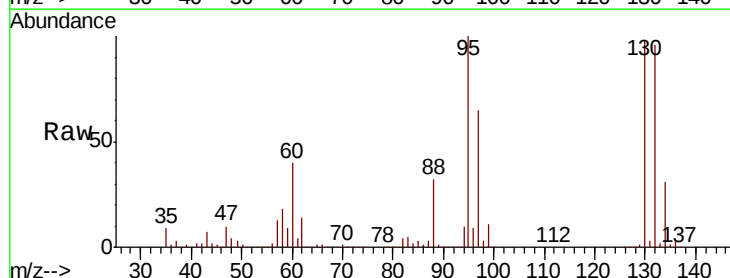
Ion Ratio Lower Upper

88 100

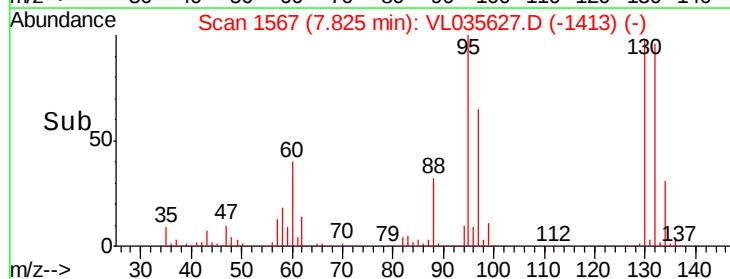
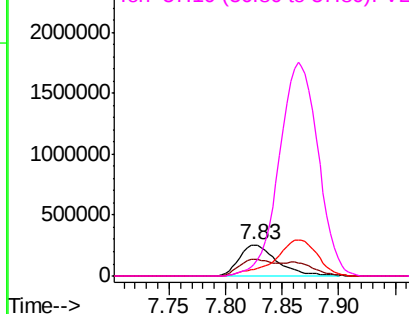
58 87.2 68.7 103.1

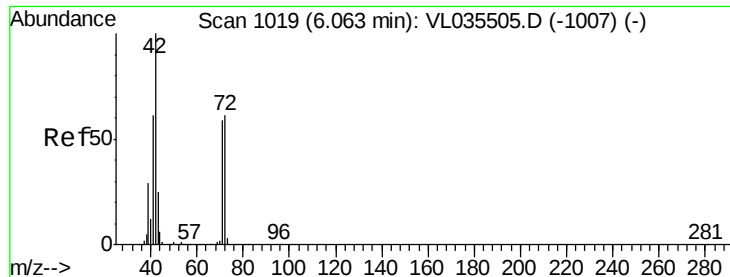
43 131.0 104.3 156.5

57 704.2 560.7 841.1



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: 10.689 ppbv

RT: 6.04 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

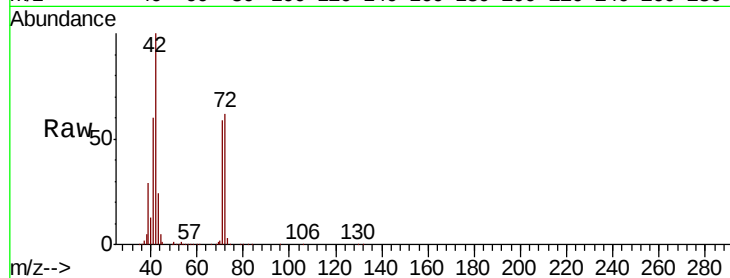
Tot Ion: 42 Resp: 862440

Ion Ratio Lower Upper

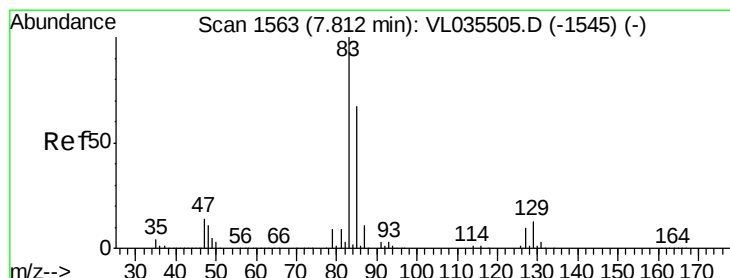
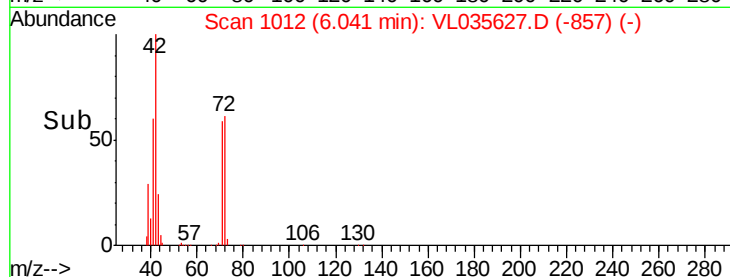
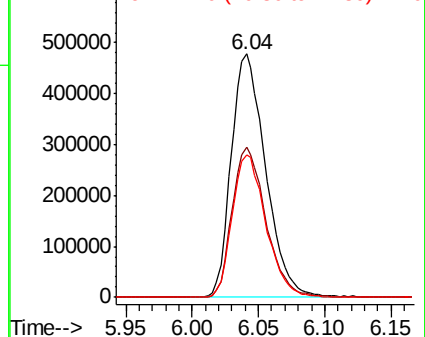
42 100

72 60.6 48.6 73.0

71 57.7 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: 10.569 ppbv

RT: 7.79 min Scan# 1555

Delta R.T. -0.01 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

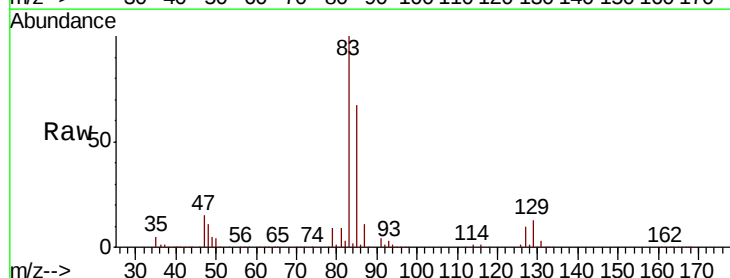
Tgt Ion: 83 Resp: 2704104

Ion Ratio Lower Upper

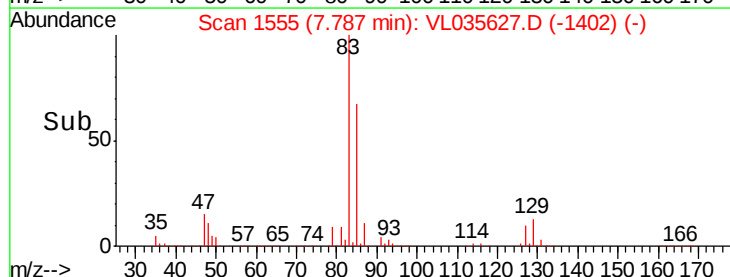
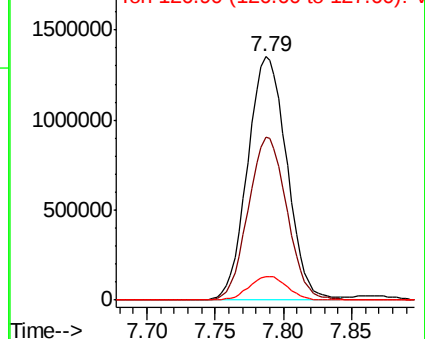
83 100

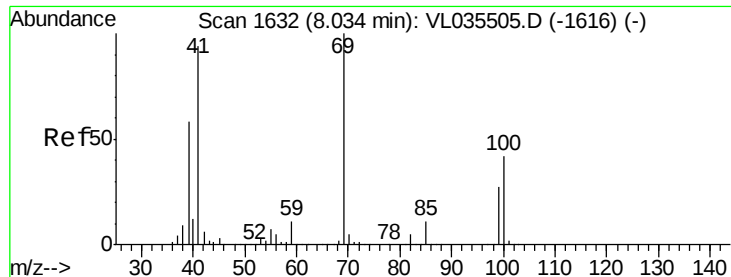
85 67.1 53.7 80.5

127 9.7 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

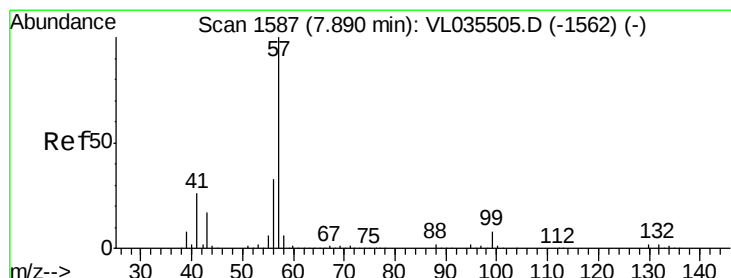
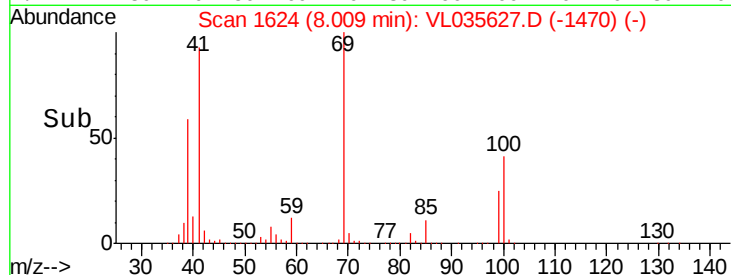
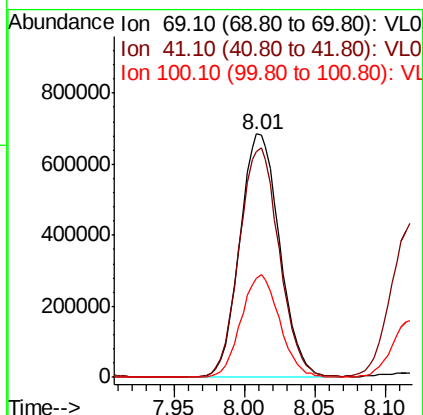
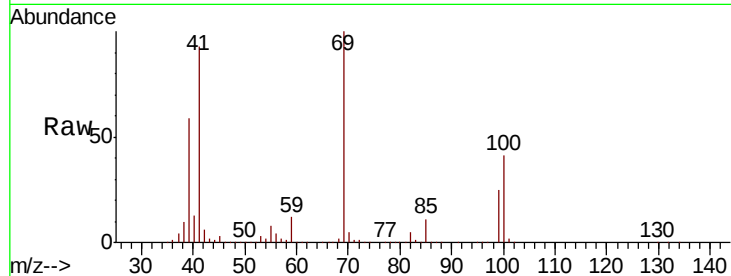




#43
Methvl Methacrilate
Concen: 10.589 ppbv
RT: 8.01 min Scan# 1624
Delta R.T. -0.01 min
Lab File: VL035627.D
Acq: 16 Sep 2020 12:18

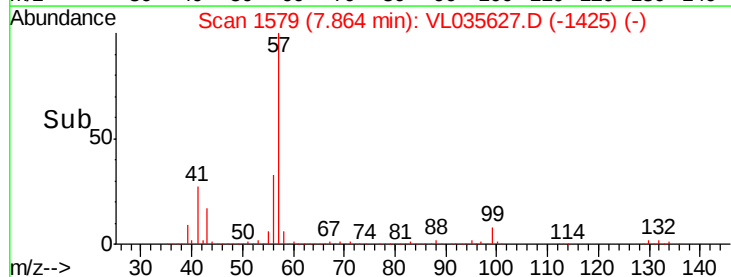
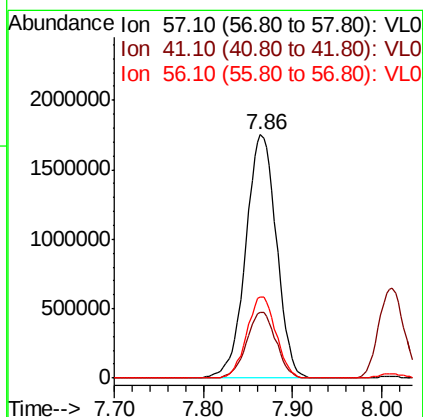
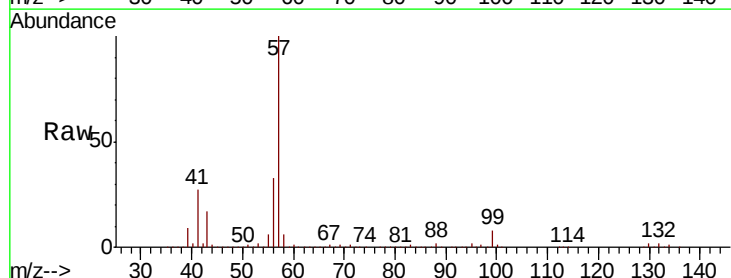
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

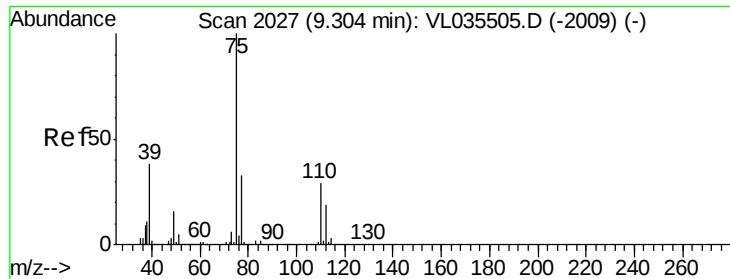
Tot Ion: 69 Resp: 1358853
Ion Ratio Lower Upper
69 100
41 94.7 76.6 114.8
100 40.6 33.8 50.6



#44
2,2,4-Trimethylpentane
Concen: 9.628 ppbv
RT: 7.86 min Scan# 1579
Delta R.T. -0.01 min
Lab File: VL035627.D
Acq: 16 Sep 2020 12:18

Tgt Ion: 57 Resp: 4204033
Ion Ratio Lower Upper
57 100
41 25.9 20.5 30.7
56 31.8 25.3 37.9





#45

t-1,3-Dichloropropene

Concen: 12.018 ppbv

RT: 9.28 min Scan# 2018

Delta R.T. -0.01 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

Instrument :

MSVOA_L

ClientSampleId :

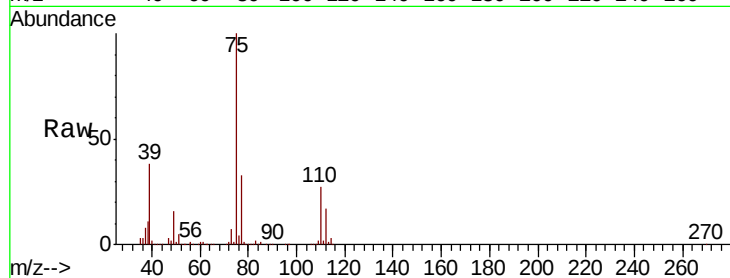
VSTDCCC010

Tot Ion: 75 Resp: 1562389

Ion Ratio Lower Upper

75 100

77 33.3 26.5 39.7



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

800000

600000

400000

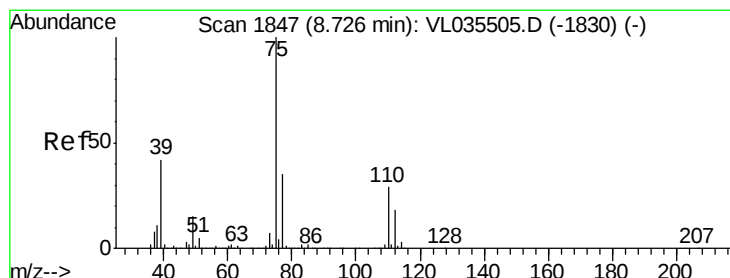
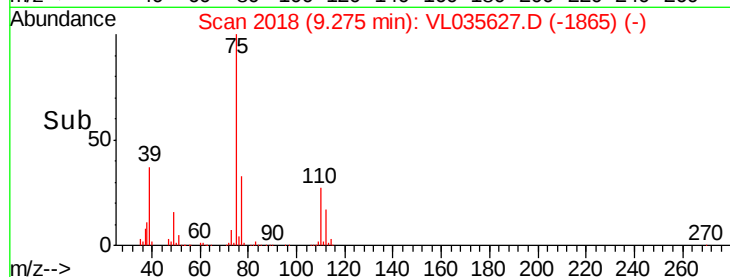
200000

0

9.28

9.20 9.25 9.30 9.35

Time-->



#46

cis-1,3-Dichloropropene

Concen: 11.454 ppbv

RT: 8.70 min Scan# 1839

Delta R.T. -0.01 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

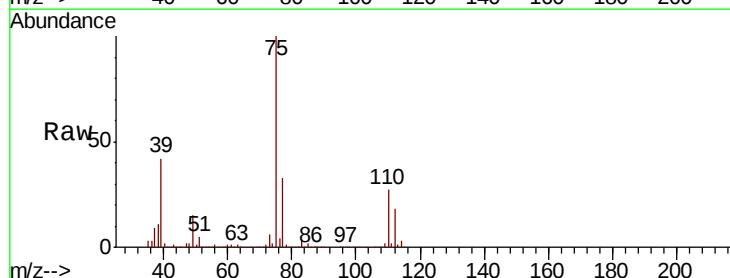
Tgt Ion: 75 Resp: 1848666

Ion Ratio Lower Upper

75 100

39 41.9 33.7 50.5

77 33.0 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

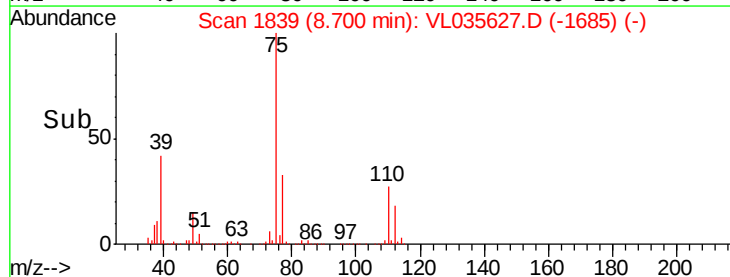
200000

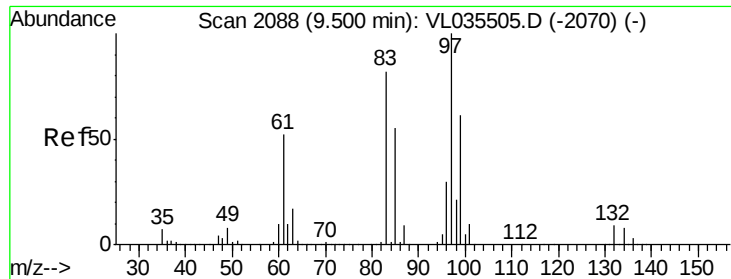
0

8.70

8.60 8.65 8.70 8.75 8.80

Time-->



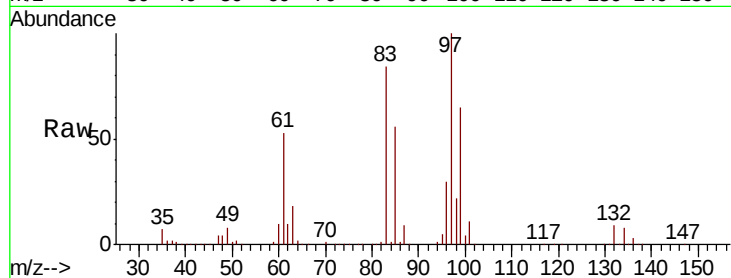


#47
 1,1,2-Trichloroethane
 Concen: 9.639 ppbv
 RT: 9.47 min Scan# 2080
 Delta R.T. -0.01 min
 Lab File: VL035627.D
 Acq: 16 Sep 2020 12:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 97 Resp: 1594466

Ion	Ratio	Lower	Upper
97	100		
83	83.9	65.4	98.2
85	56.2	43.7	65.5
99	64.8	49.1	73.7



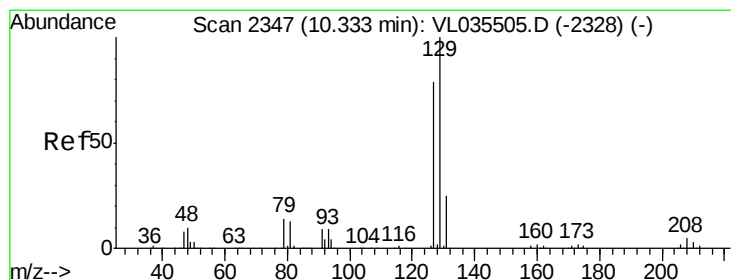
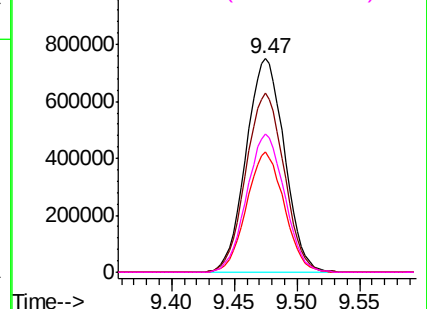
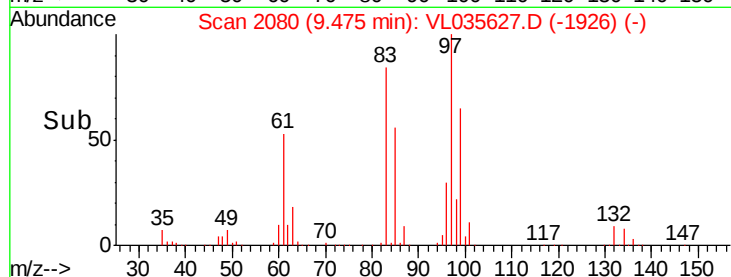
Abundance

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

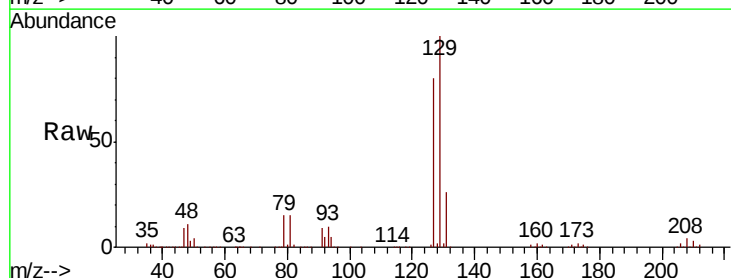
Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 10.488 ppbv
 RT: 10.30 min Scan# 2338
 Delta R.T. -0.01 min
 Lab File: VL035627.D
 Acq: 16 Sep 2020 12:18

Tgt Ion: 129 Resp: 2730688

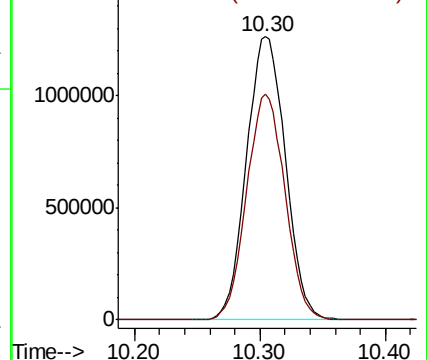
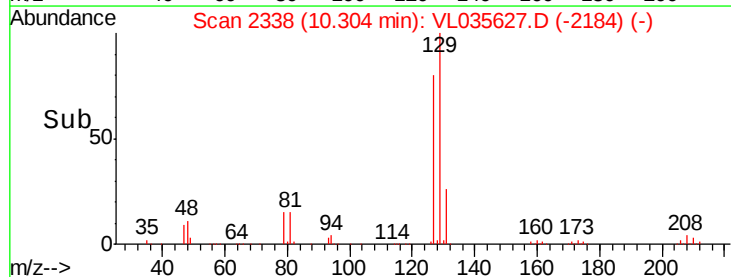
Ion	Ratio	Lower	Upper
129	100		
127	78.7	39.3	117.8

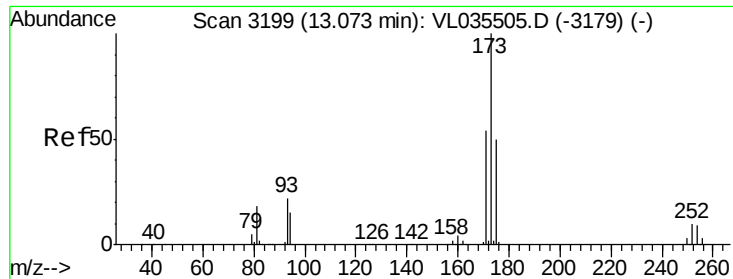


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.551 ppbv

RT: 13.04 min Scan# 3190

Delta R.T. -0.01 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

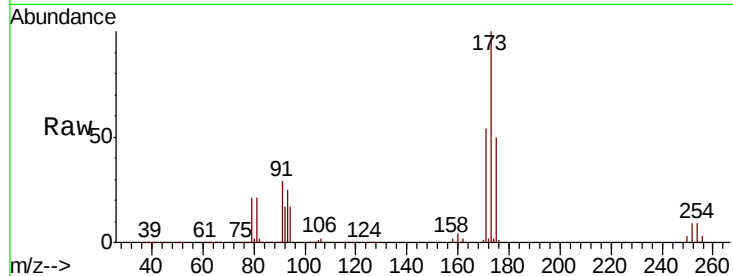
Tot Ion:173 Resp: 2489512

Ion Ratio Lower Upper

173 100

175 50.0 39.8 59.8

171 53.5 42.4 63.6

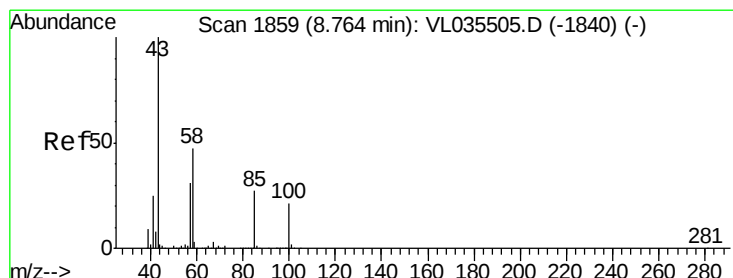
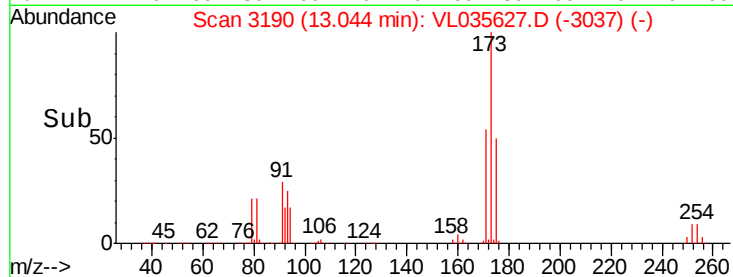
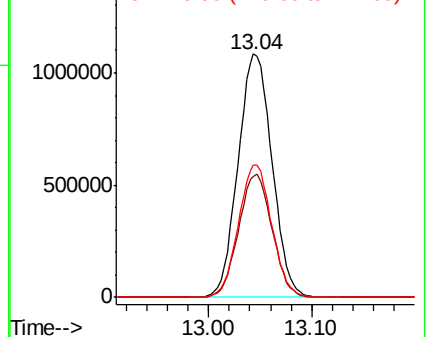


Abundance

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: 10.111 ppbv

RT: 8.74 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VL035627.D

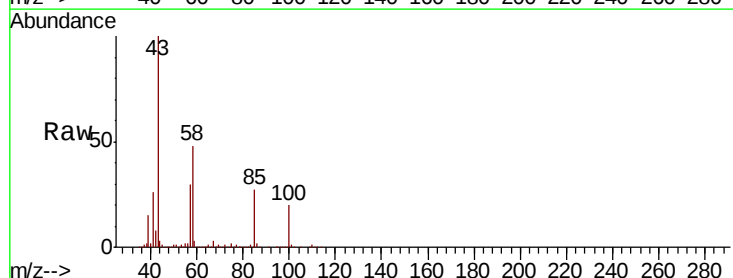
Acq: 16 Sep 2020 12:18

Tgt Ion: 43 Resp: 2227743

Ion Ratio Lower Upper

43 100

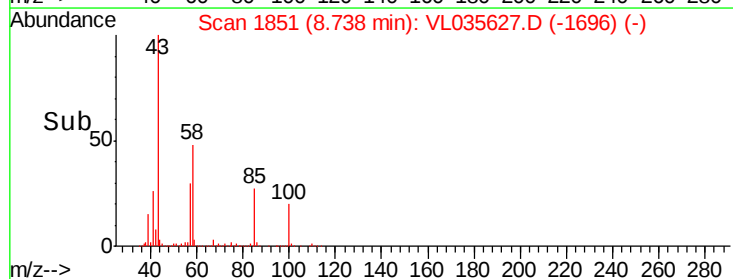
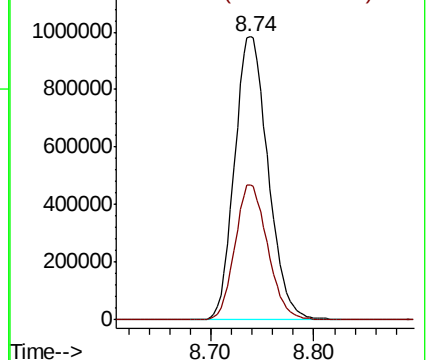
58 46.6 37.4 56.0

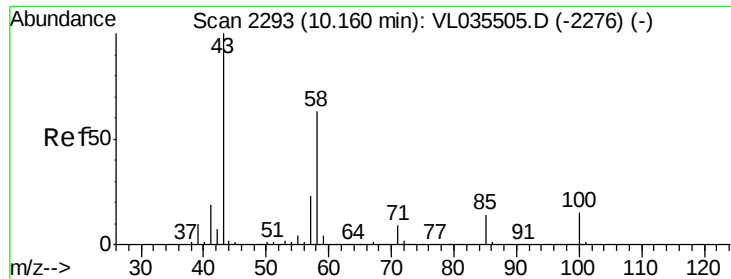


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

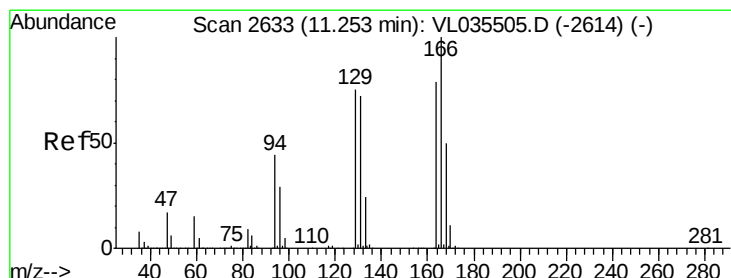
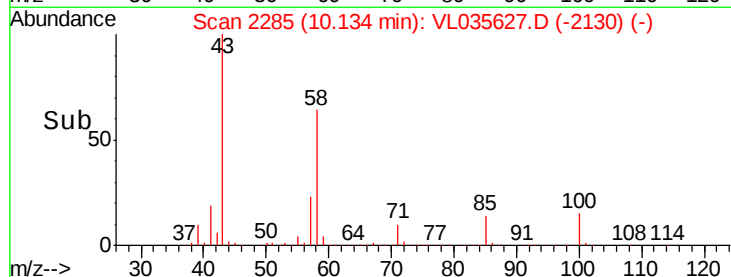
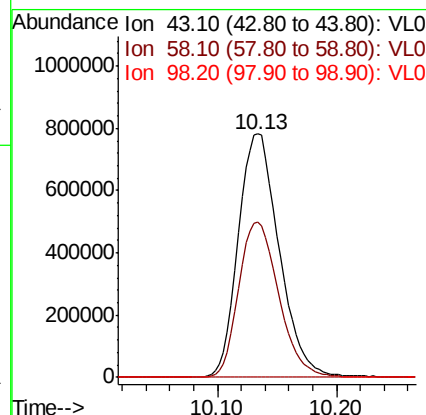
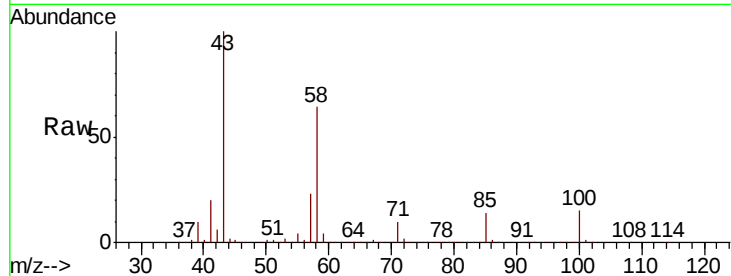




#51
2-Hexanone
Concen: 10.269 ppbv
RT: 10.13 min Scan# 2285
Delta R.T. -0.00 min
Lab File: VL035627.D
Acq: 16 Sep 2020 12:18

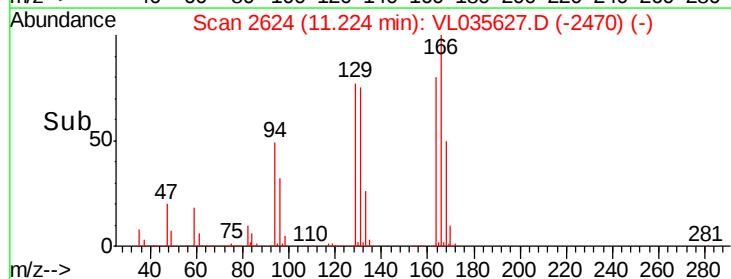
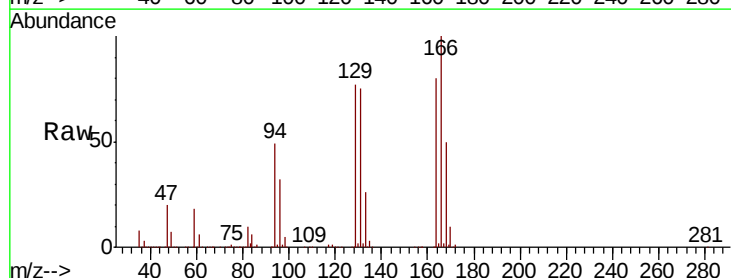
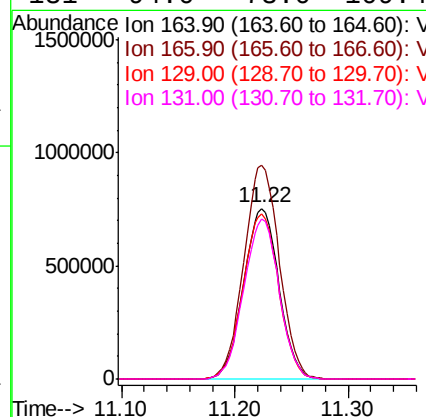
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

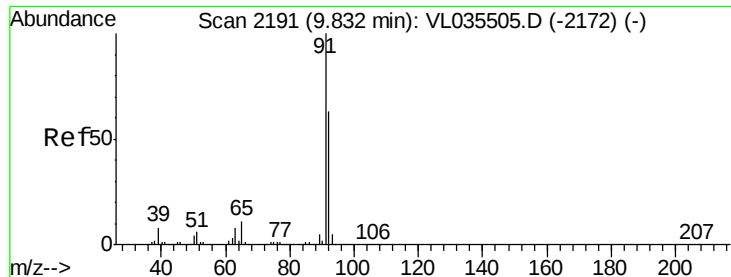
Tot Ion: 43 Resp: 1855947
Ion Ratio Lower Upper
43 100
58 63.0 50.2 75.4
98 0.4 0.4 0.6#



#52
Tetrachloroethene
Concen: 8.456 ppbv
RT: 11.22 min Scan# 2624
Delta R.T. -0.01 min
Lab File: VL035627.D
Acq: 16 Sep 2020 12:18

Tgt Ion: 164 Resp: 1639380
Ion Ratio Lower Upper
164 100
166 125.1 100.9 151.3
129 96.6 75.3 112.9
131 94.0 73.0 109.4





#53

Toluene

Concen: 9.823 ppbv

RT: 9.80 min Scan# 2182

Delta R.T. -0.01 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

Instrument :

MSVOA_L

ClientSampleId :

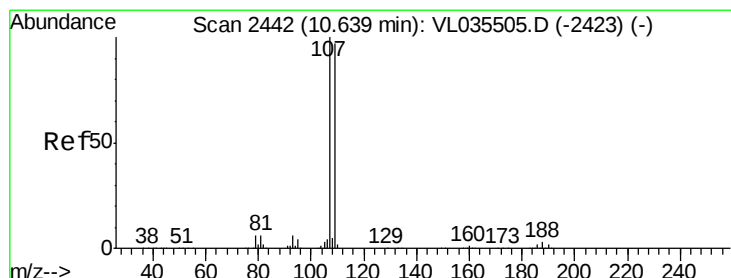
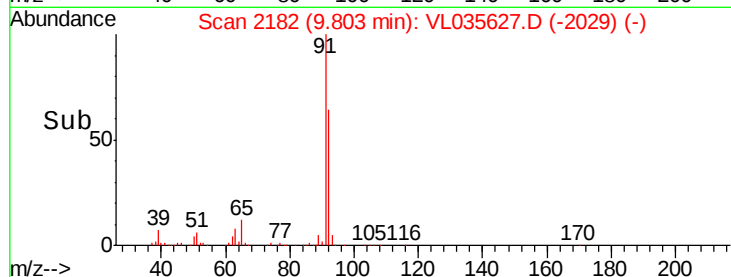
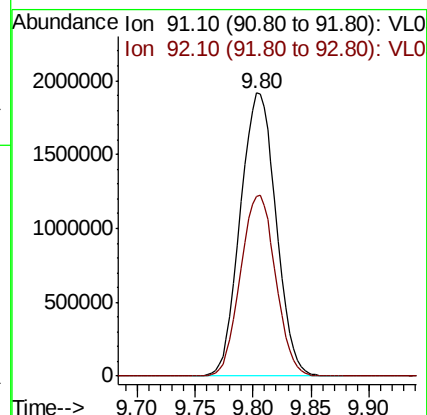
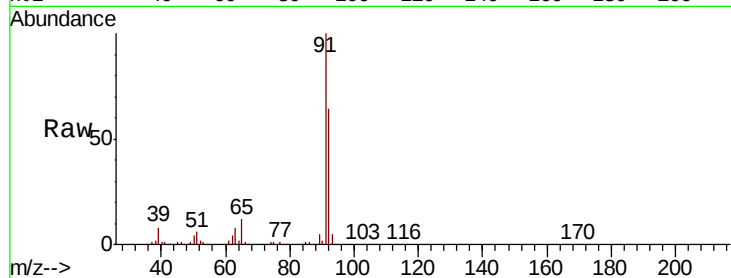
VSTDCCC010

Tot Ion: 91 Resp: 4099576

Ion Ratio Lower Upper

91 100

92 62.8 49.8 74.8



#54

1,2-Dibromoethane

Concen: 9.768 ppbv

RT: 10.61 min Scan# 2433

Delta R.T. -0.01 min

Lab File: VL035627.D

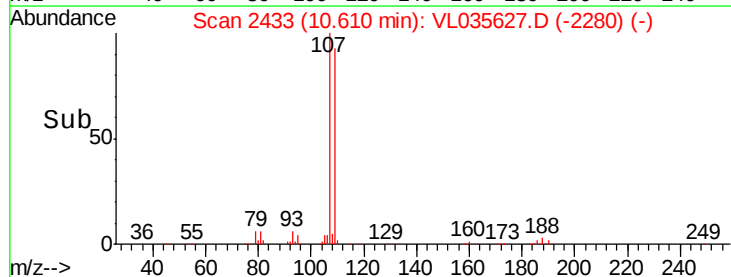
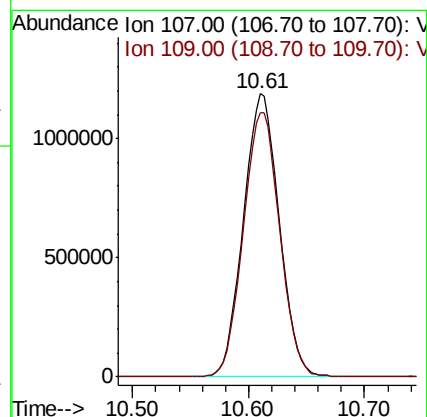
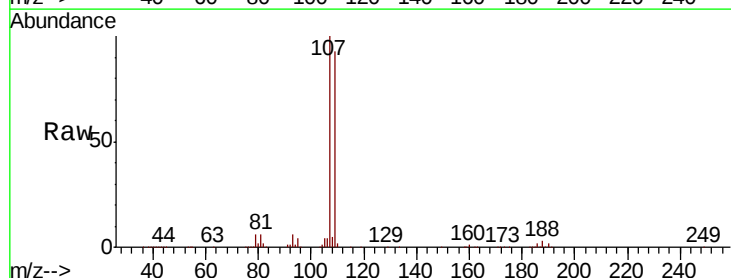
Acq: 16 Sep 2020 12:18

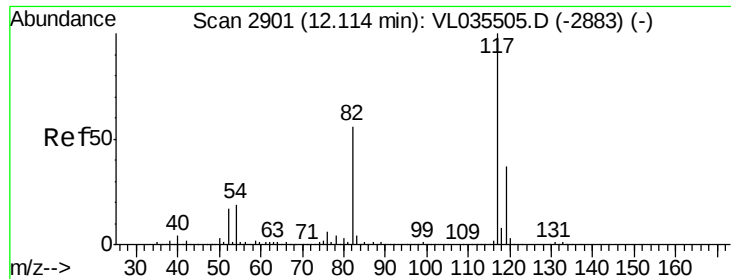
Tgt Ion: 107 Resp: 2553246

Ion Ratio Lower Upper

107 100

109 93.4 77.8 116.8

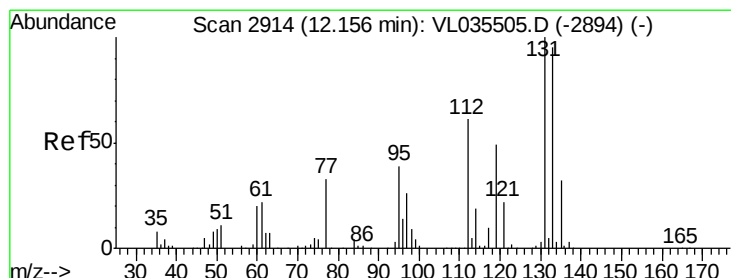
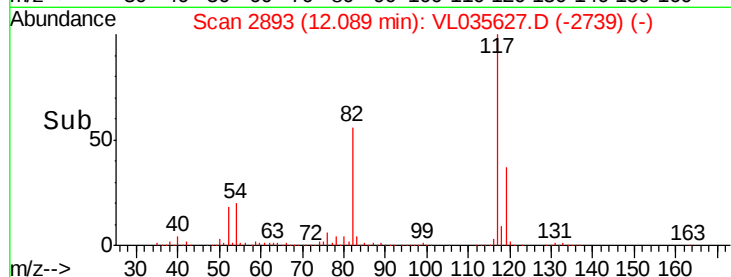
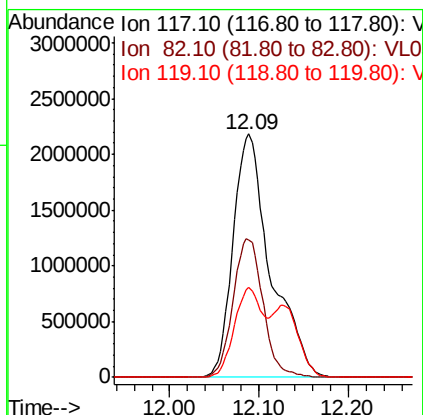
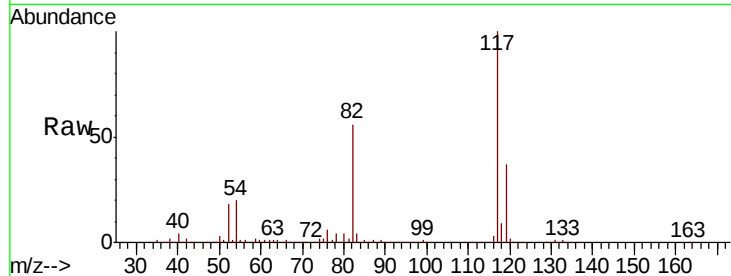




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL035627.D
Acq: 16 Sep 2020 12:18

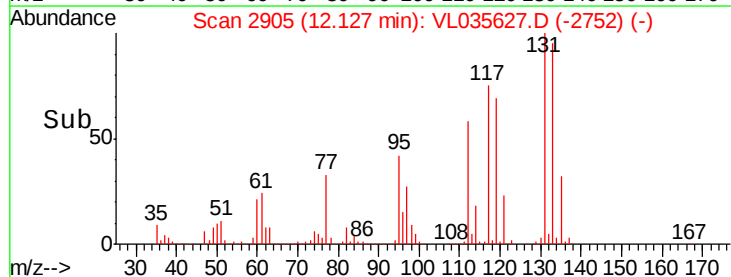
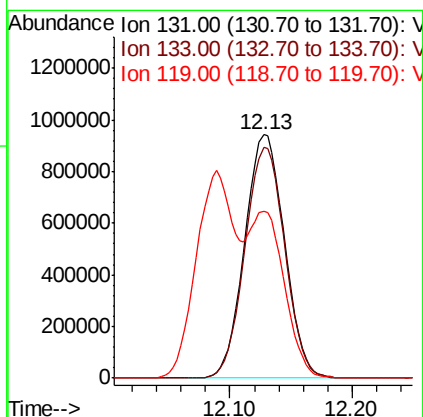
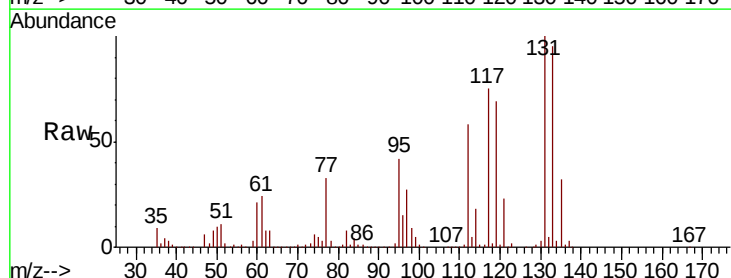
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

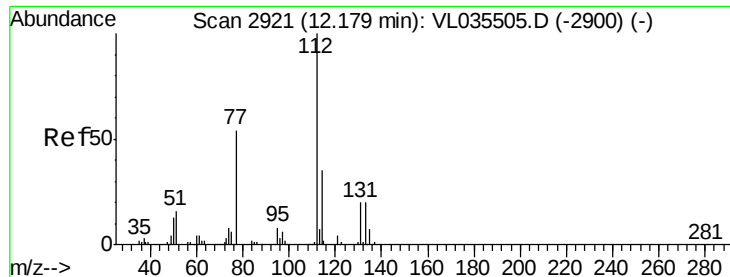
Tot Ion:117 Resp: 6381923
Ion Ratio Lower Upper
117 100
82 45.6 41.6 62.4
119 28.8 29.3 43.9#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.179 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. -0.01 min
Lab File: VL035627.D
Acq: 16 Sep 2020 12:18

Tgt Ion:131 Resp: 2123845
Ion Ratio Lower Upper
131 100
133 95.5 76.6 115.0
119 56.2 51.6 77.4





#57

Chlorobenzene

Concen: 7.371 ppbv

RT: 12.15 min Scan# 2912

Delta R.T. -0.01 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

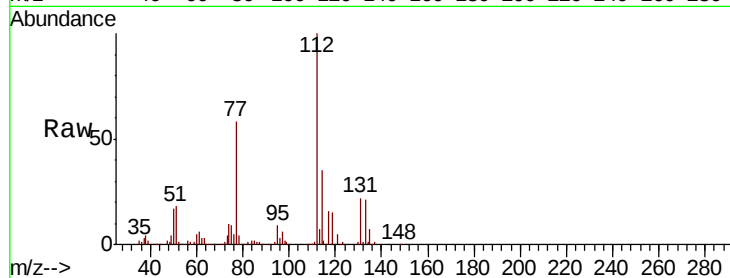
Tot Ion:112 Resp: 3461988

Ion Ratio Lower Upper

112 100

77 57.8 44.2 66.4

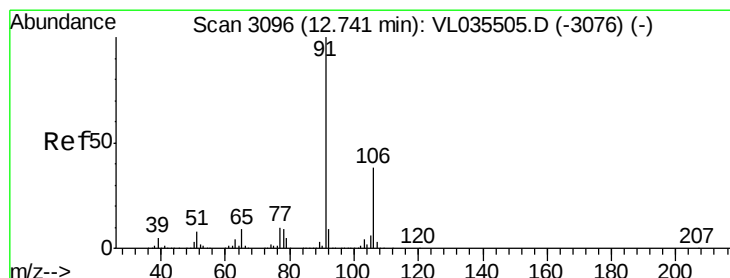
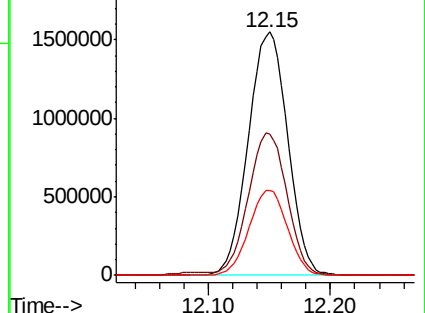
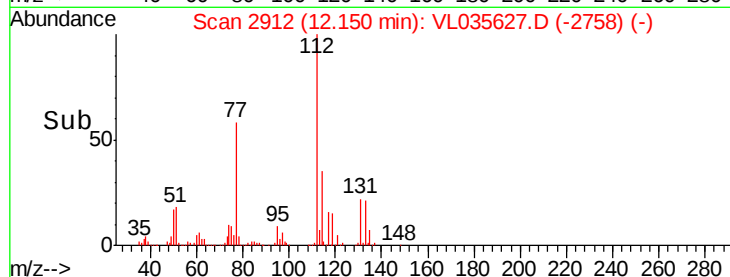
114 34.8 31.6 38.6



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: 8.096 ppbv

RT: 12.71 min Scan# 3087

Delta R.T. -0.01 min

Lab File: VL035627.D

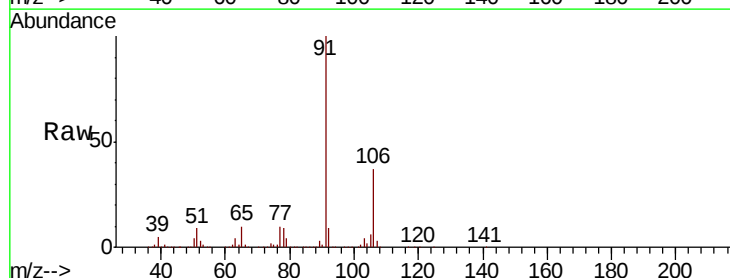
Acq: 16 Sep 2020 12:18

Tgt Ion: 91 Resp: 5327805

Ion Ratio Lower Upper

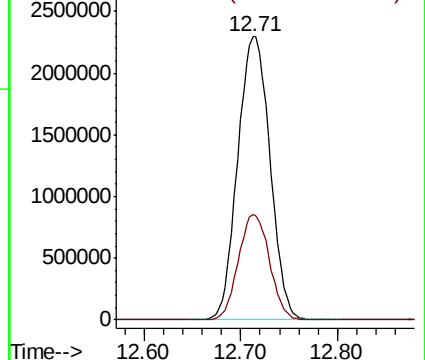
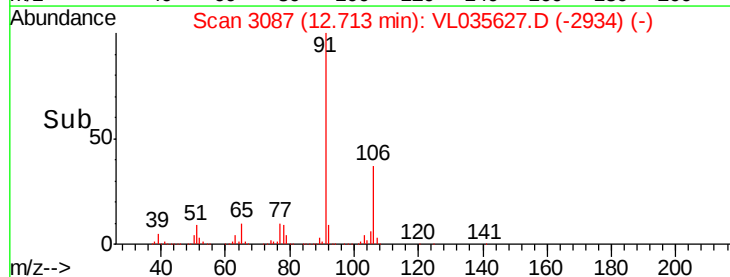
91 100

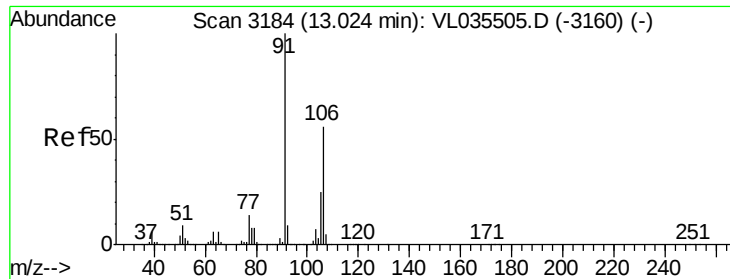
106 37.4 30.3 45.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

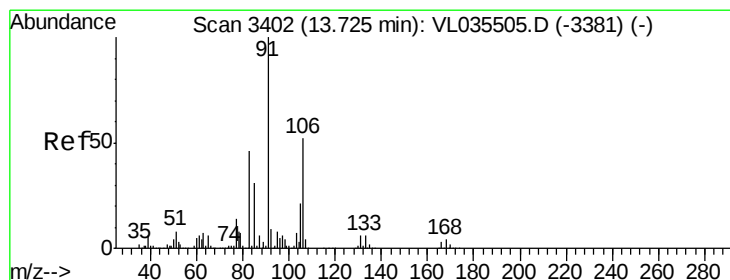
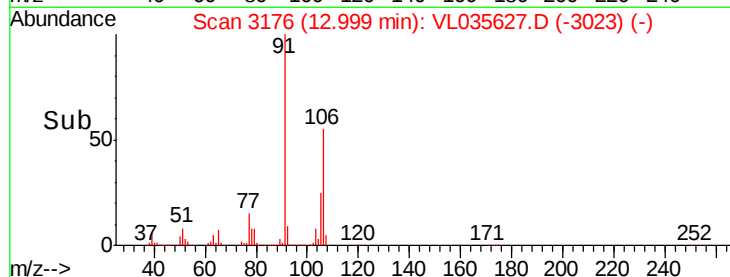
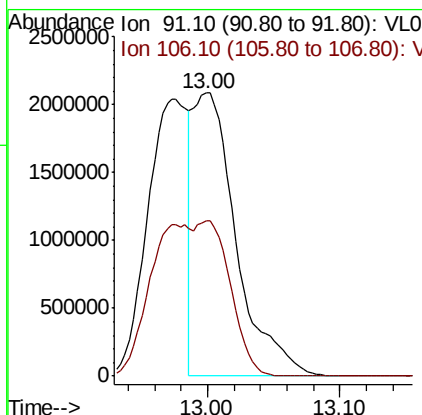
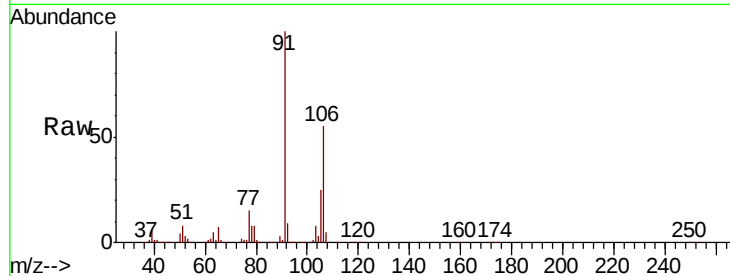




#59
m/p-Xylene
Concen: 8.517 ppbv
RT: 13.00 min Scan# 3176
Delta R.T. -0.01 min
Lab File: VL035627.D
Acq: 16 Sep 2020 12:18

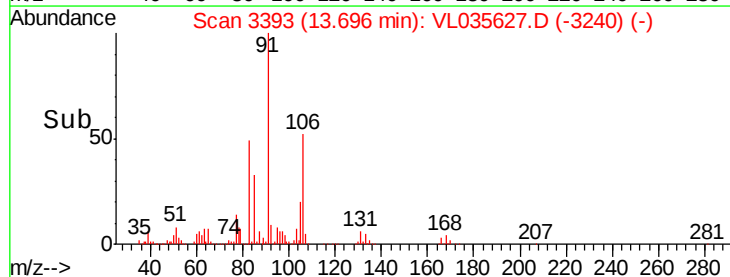
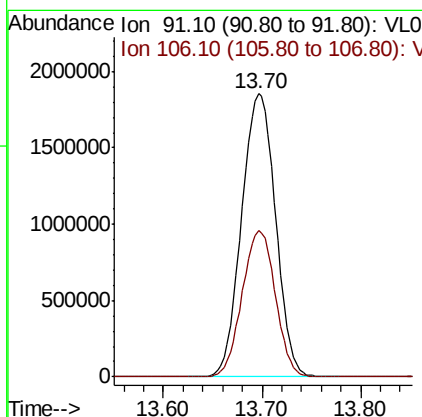
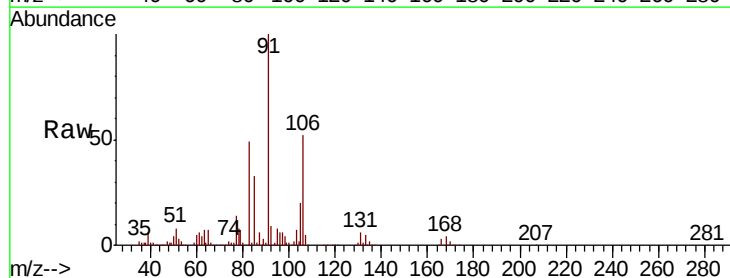
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

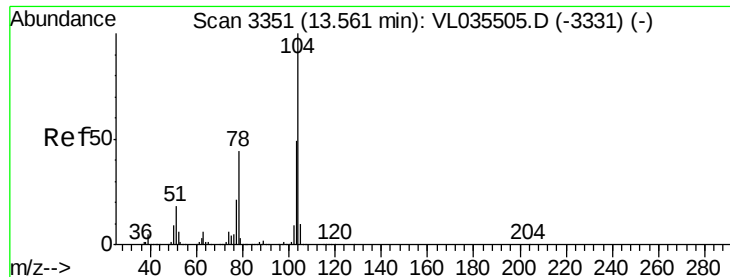
Tot Ion: 91 Resp: 4683561
Ion Ratio Lower Upper
91 100
106 97.6 43.4 65.2#



#60
o-Xylene
Concen: 7.962 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. -0.01 min
Lab File: VL035627.D
Acq: 16 Sep 2020 12:18

Tgt Ion: 91 Resp: 4409490
Ion Ratio Lower Upper
91 100
106 50.7 25.8 77.4





#61

Stvrene

Concen: 8.381 ppbv

RT: 13.53 min Scan# 3342

Delta R.T. -0.01 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

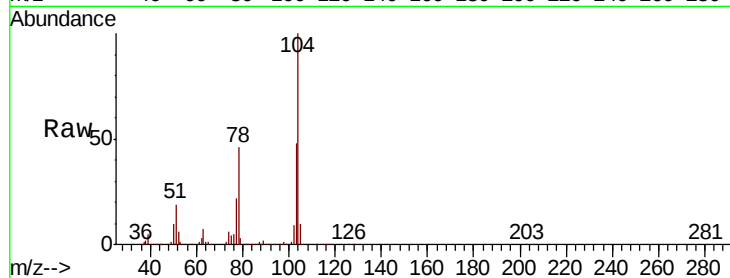
Tot Ion:104 Resp: 3550035

Ion Ratio Lower Upper

104 100

78 45.4 34.8 52.2

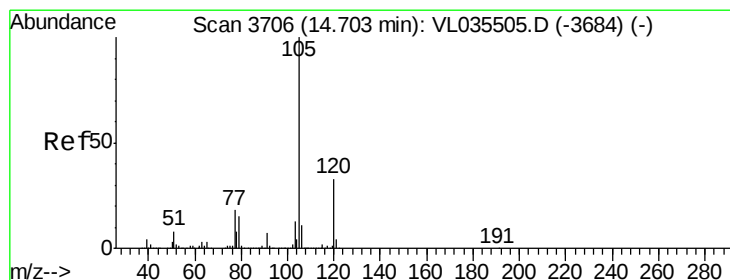
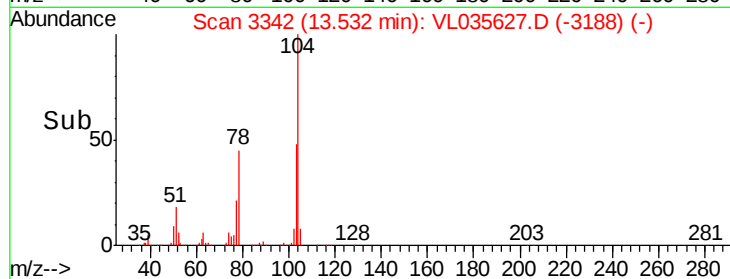
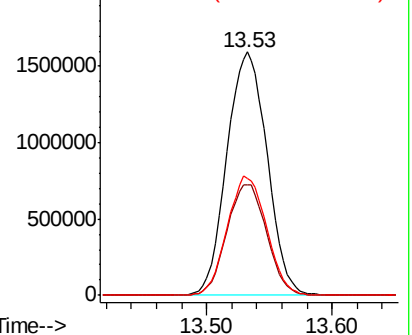
103 48.0 38.2 57.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 7.501 ppbv

RT: 14.67 min Scan# 3697

Delta R.T. -0.01 min

Lab File: VL035627.D

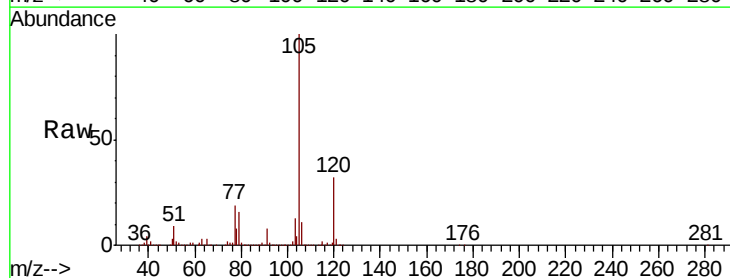
Acq: 16 Sep 2020 12:18

Tgt Ion:105 Resp: 6673016

Ion Ratio Lower Upper

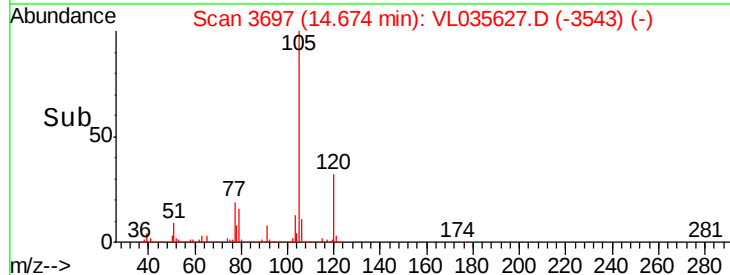
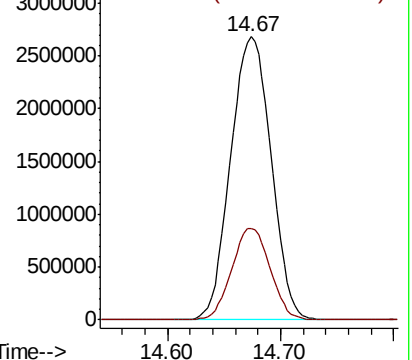
105 100

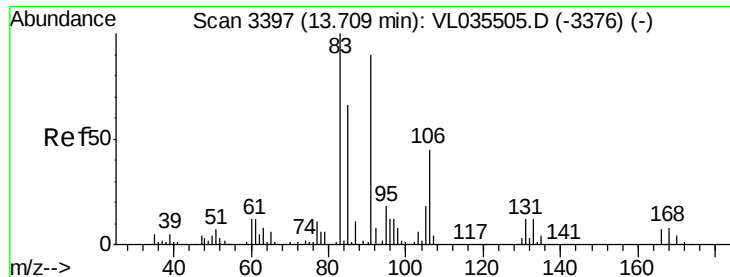
120 30.7 25.0 37.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

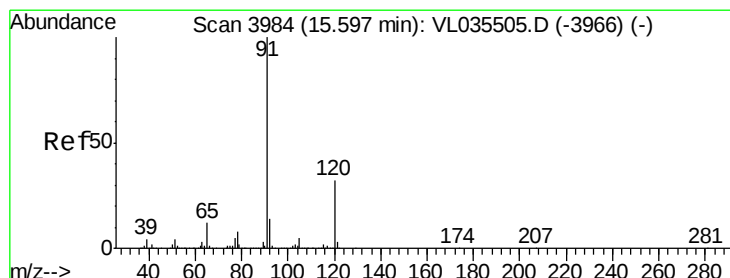
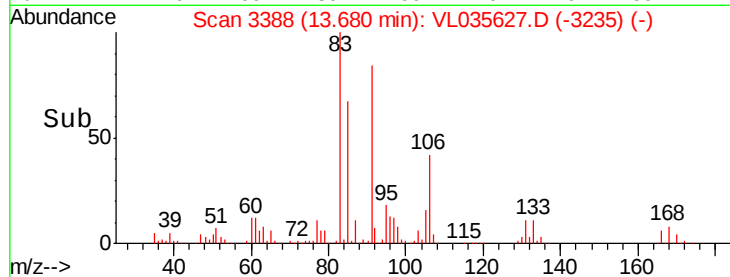
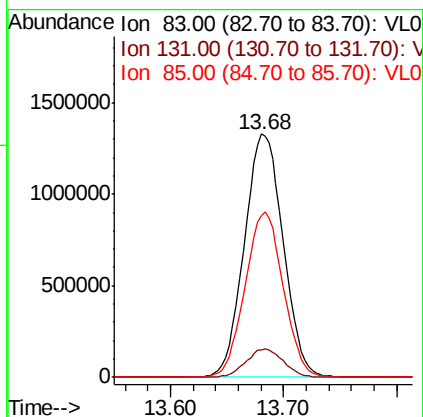
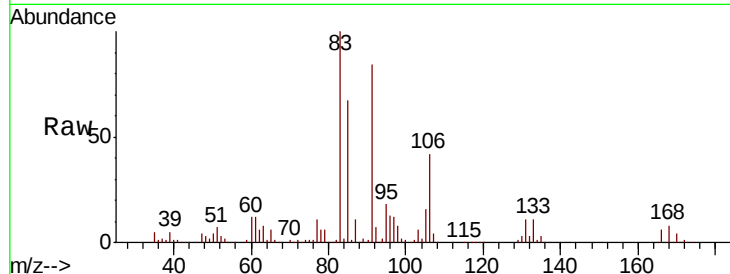




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.387 ppbv
 RT: 13.68 min Scan# 3388
 Delta R.T. -0.01 min
 Lab File: VL035627.D
 Acq: 16 Sep 2020 12:18

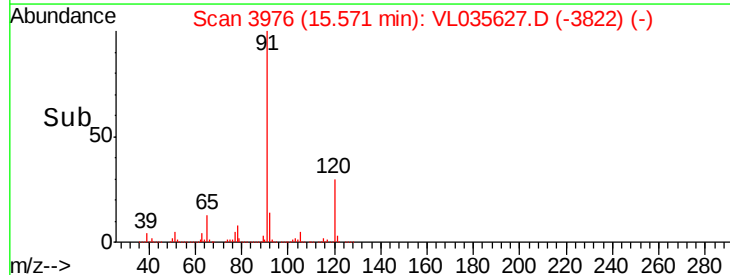
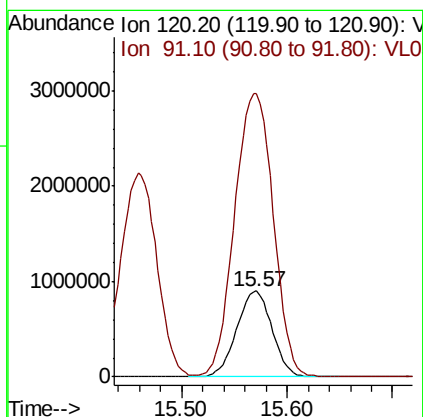
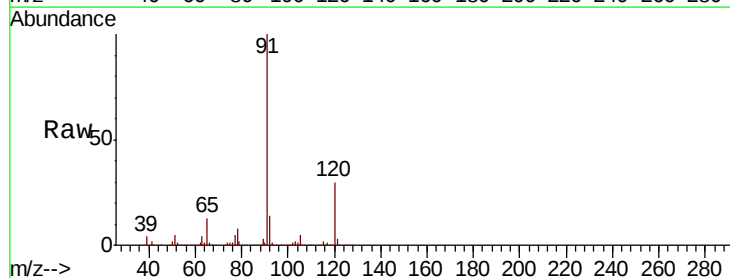
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

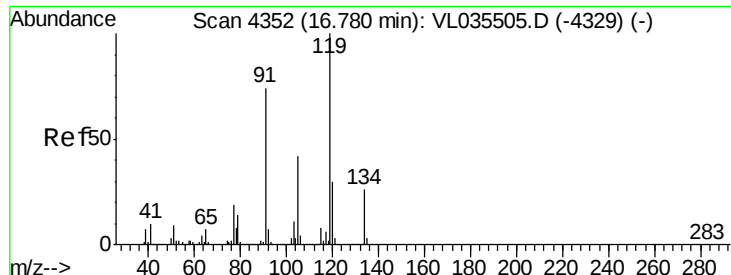
Tot Ion: 83 Resp: 3171877
 Ion Ratio Lower Upper
 83 100
 131 11.3 6.0 18.0
 85 67.0 33.4 100.2



#64
 n-propylbenzene
 Concen: 7.700 ppbv
 RT: 15.57 min Scan# 3976
 Delta R.T. -0.01 min
 Lab File: VL035627.D
 Acq: 16 Sep 2020 12:18

Tgt Ion:120 Resp: 2090459
 Ion Ratio Lower Upper
 120 100
 91 363.1 279.4 419.0





#65

tert-Butylbenzene

Concen: 7.549 ppbv

RT: 16.75 min Scan# 4343

Delta R.T. -0.01 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

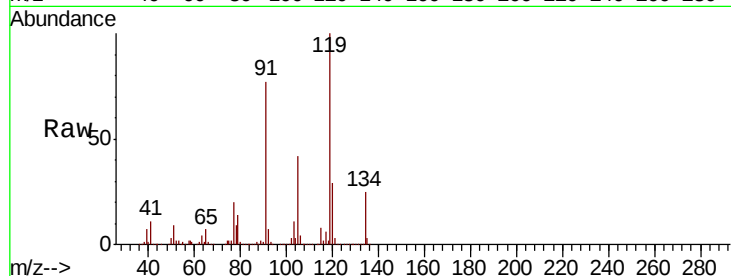
Tot Ion:119 Resp: 6243250

Ion Ratio Lower Upper

119 100

91 76.0 58.6 87.8

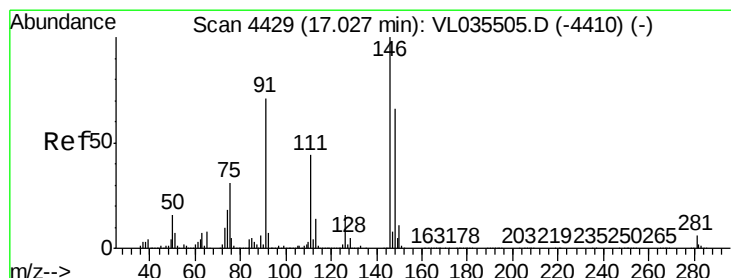
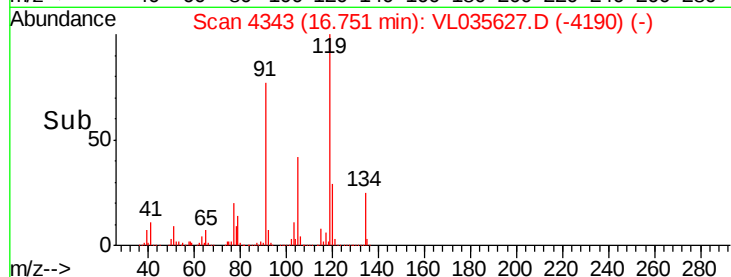
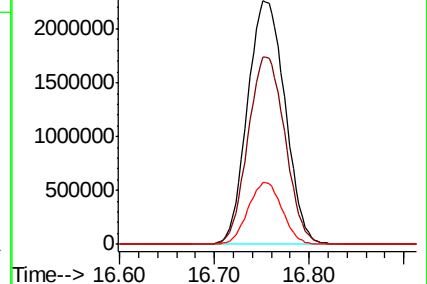
134 23.2 18.9 28.3



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: 10.495 ppbv

RT: 17.00 min Scan# 4420

Delta R.T. -0.01 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

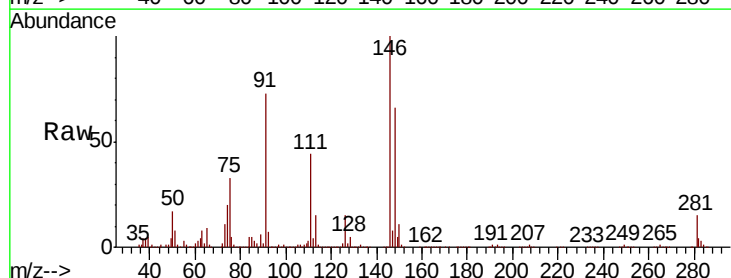
Tgt Ion: 91 Resp: 2157172

Ion Ratio Lower Upper

91 100

126 20.4 17.2 25.8

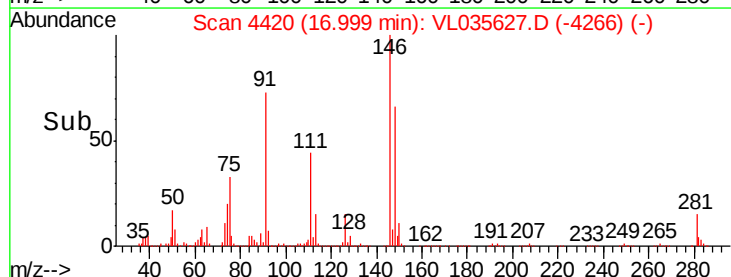
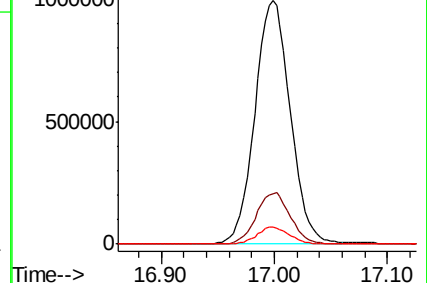
128 6.5 5.5 8.3

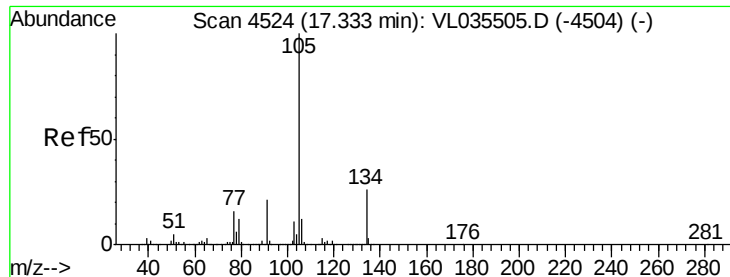


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

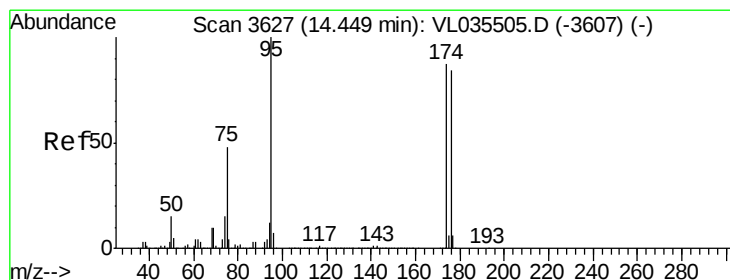
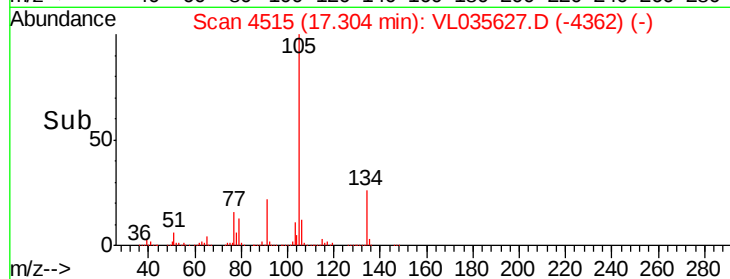
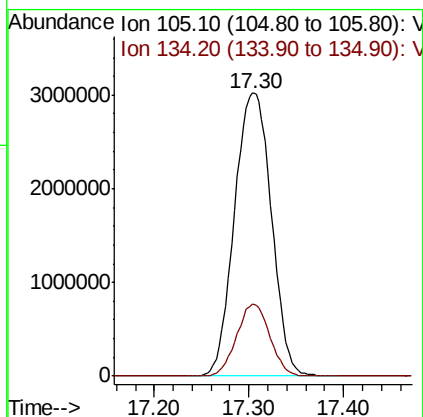
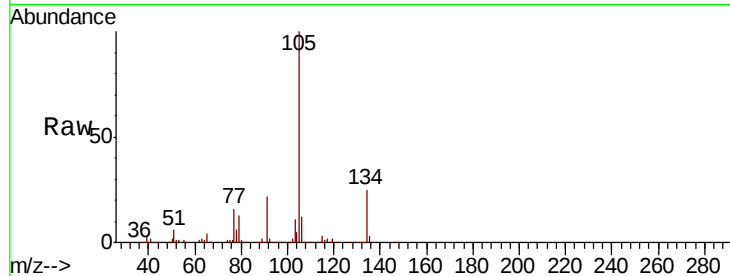




#67
 sec-Butylbenzene
 Concen: 7.431 ppbv
 RT: 17.30 min Scan# 4515
 Delta R.T. -0.01 min
 Lab File: VL035627.D
 Acq: 16 Sep 2020 12:18

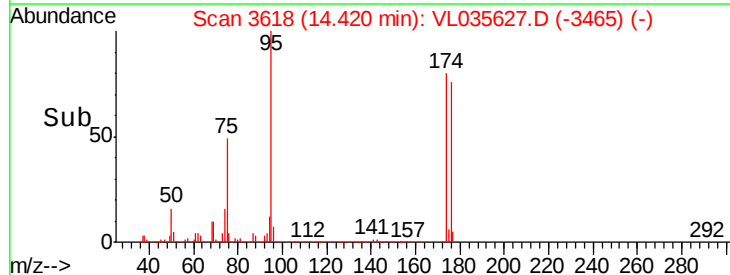
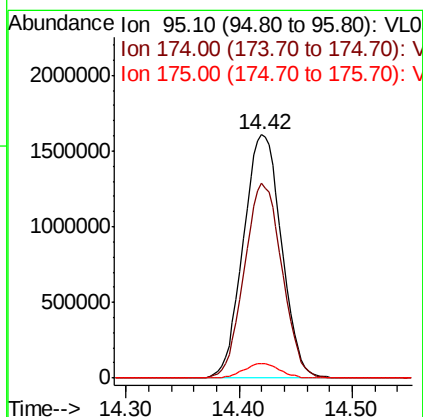
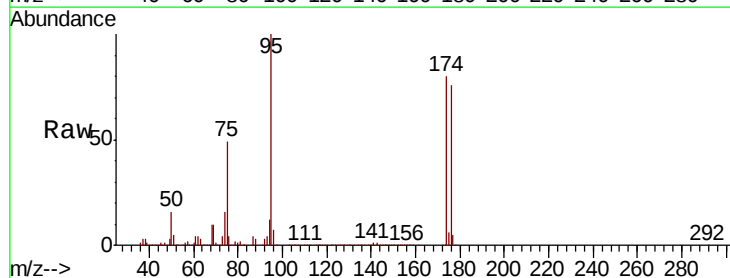
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

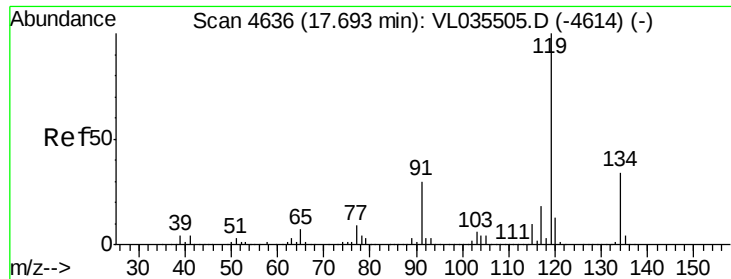
Tot Ion:105 Resp: 8188216
 Ion Ratio Lower Upper
 105 100
 134 22.9 19.1 28.7



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.320 ppbv
 RT: 14.42 min Scan# 3618
 Delta R.T. -0.01 min
 Lab File: VL035627.D
 Acq: 16 Sep 2020 12:18

Tgt Ion: 95 Resp: 3770504
 Ion Ratio Lower Upper
 95 100
 174 79.4 69.6 104.4
 175 5.8 5.1 7.7

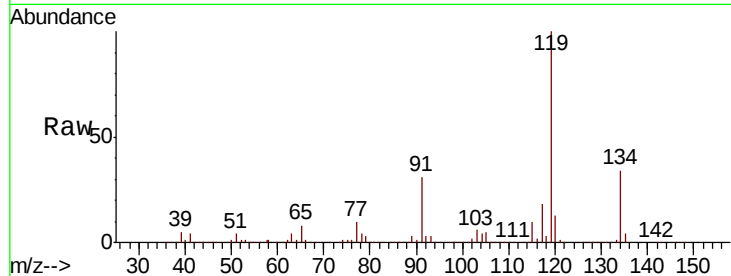




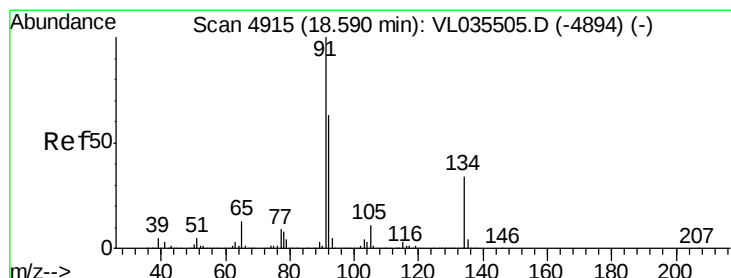
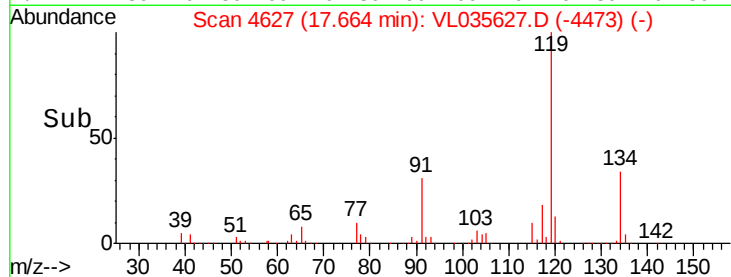
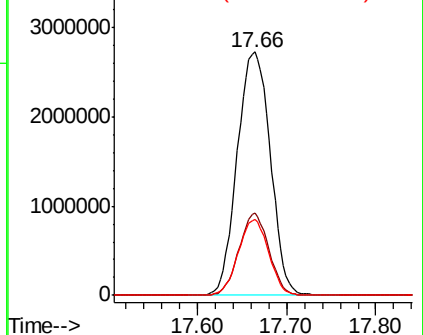
#69
 p-Isopropyltoluene
 Concen: 7.268 ppbv
 RT: 17.66 min Scan# 4627
 Delta R.T. -0.01 min
 Lab File: VL035627.D
 Acq: 16 Sep 2020 12:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:119 Resp: 7024880
 Ion Ratio Lower Upper
 119 100
 134 30.5 25.0 37.4
 91 28.7 22.3 33.5

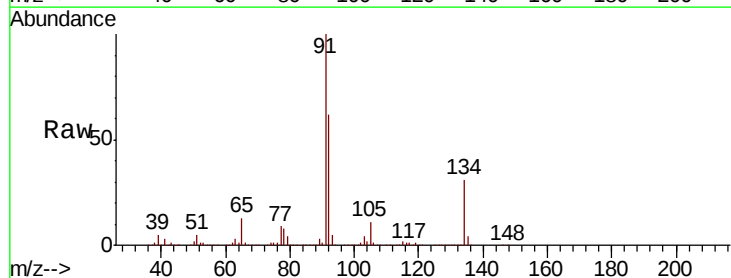


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

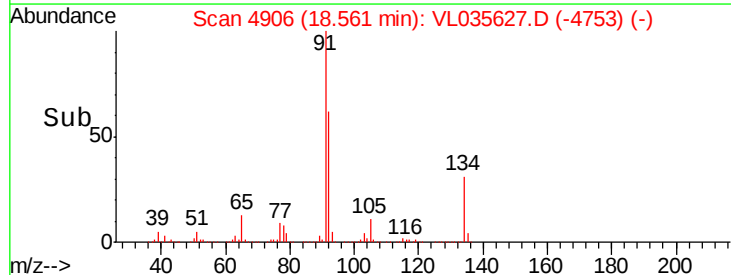
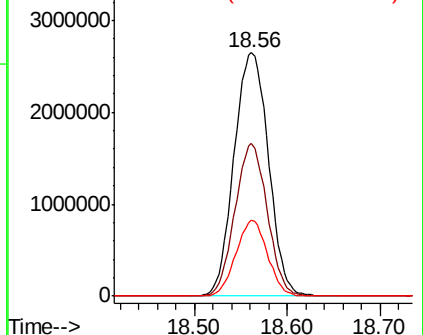


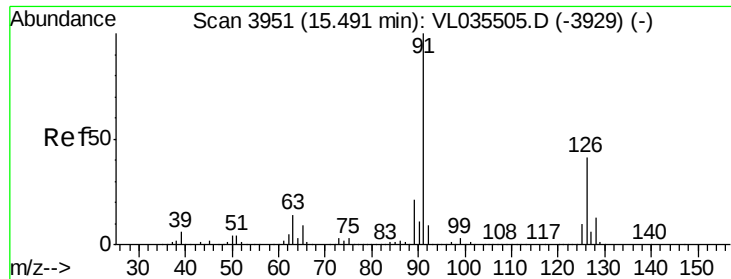
#70
 n-Butylbenzene
 Concen: 7.314 ppbv
 RT: 18.56 min Scan# 4906
 Delta R.T. -0.01 min
 Lab File: VL035627.D
 Acq: 16 Sep 2020 12:18

Tgt Ion: 91 Resp: 6809450
 Ion Ratio Lower Upper
 91 100
 92 58.9 47.3 70.9
 134 28.7 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

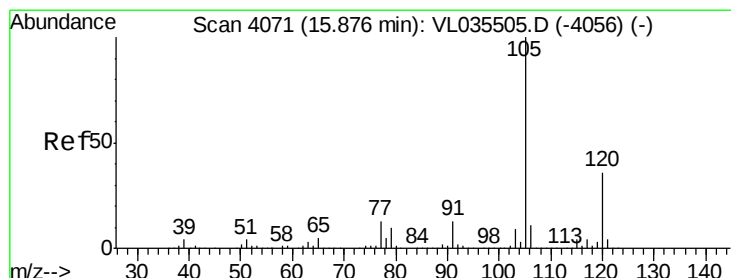
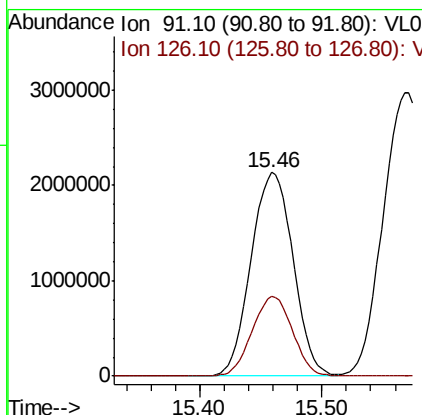
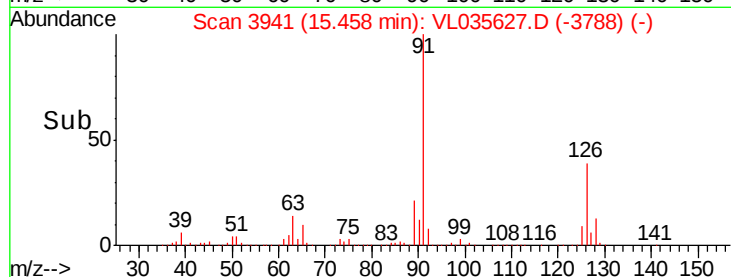
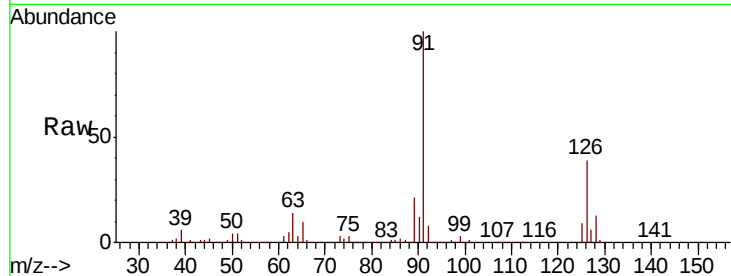




#71
 2-Chlorotoluene
 Concen: 7.887 ppbv
 RT: 15.46 min Scan# 3941
 Delta R.T. -0.01 min
 Lab File: VL035627.D
 Acq: 16 Sep 2020 12:18

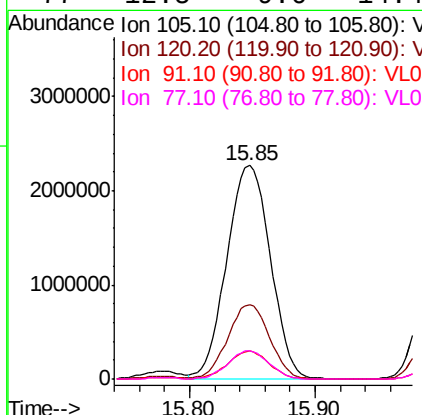
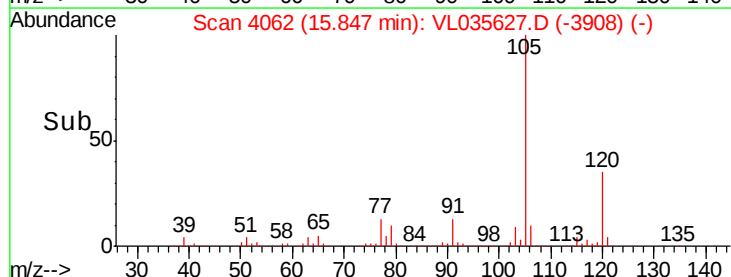
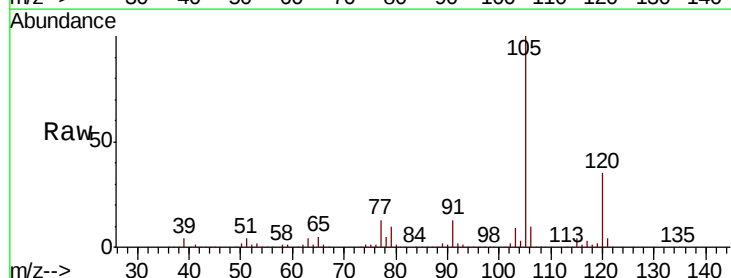
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

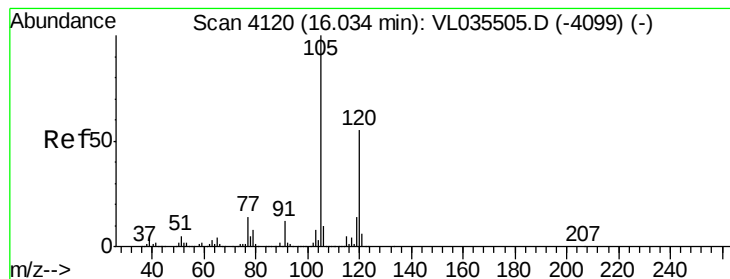
Tot Ion: 91 Resp: 5109909
 Ion Ratio Lower Upper
 91 100
 126 37.7 15.6 62.6



#72
 4-Ethyltoluene
 Concen: 7.762 ppbv
 RT: 15.85 min Scan# 4062
 Delta R.T. -0.01 min
 Lab File: VL035627.D
 Acq: 16 Sep 2020 12:18

Tgt Ion:105 Resp: 5465139
 Ion Ratio Lower Upper
 105 100
 120 33.6 27.4 41.2
 91 12.3 9.7 14.5
 77 12.5 9.6 14.4





#73

1,3,5-Trimethylbenzene

Concen: 7.803 ppbv

RT: 16.01 min Scan# 4111

Delta R.T. -0.01 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

Instrument :

MSVOA_L

ClientSampleId :

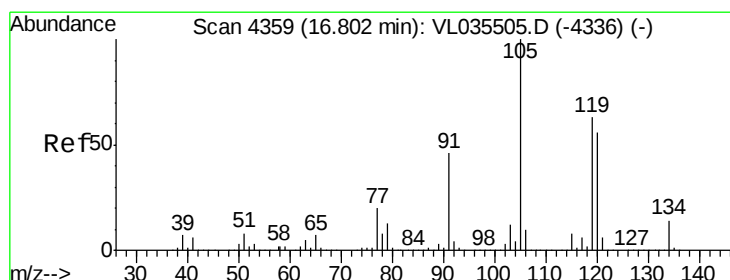
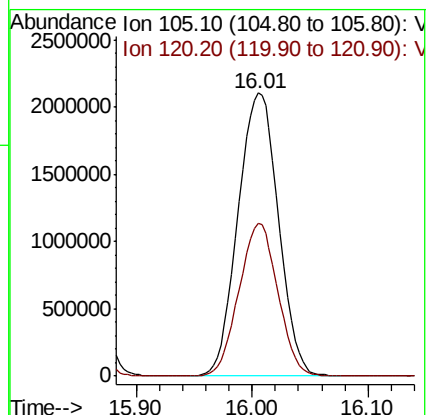
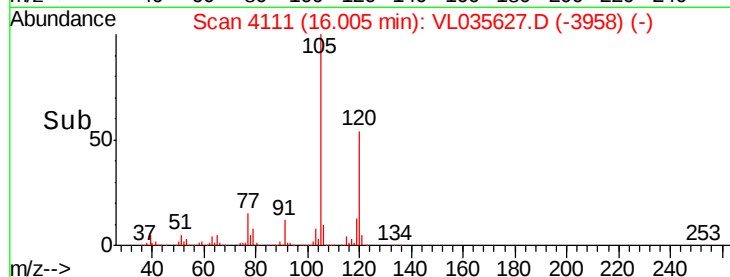
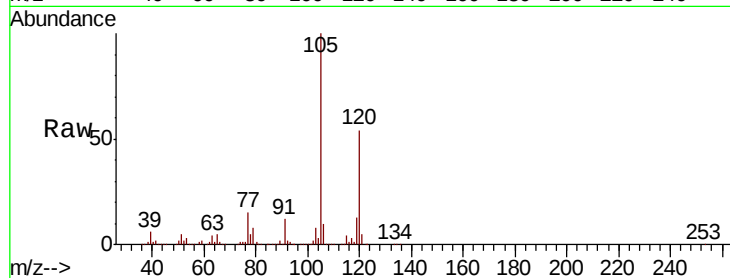
VSTDCCC010

Tot Ion:105 Resp: 5082003

Ion Ratio Lower Upper

105 100

120 54.2 44.2 66.2



#74

1,2,4-Trimethylbenzene

Concen: 7.362 ppbv

RT: 16.77 min Scan# 4350

Delta R.T. -0.01 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

Tgt Ion:105 Resp: 5265434

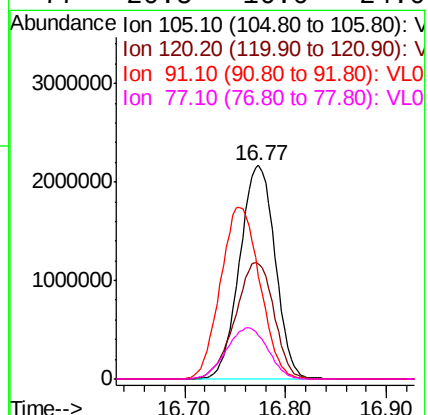
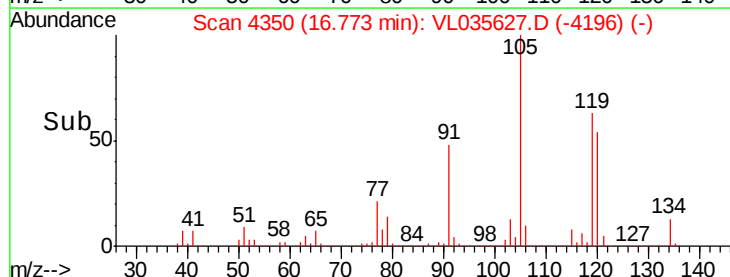
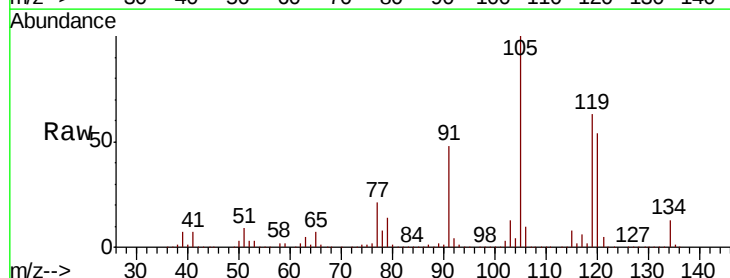
Ion Ratio Lower Upper

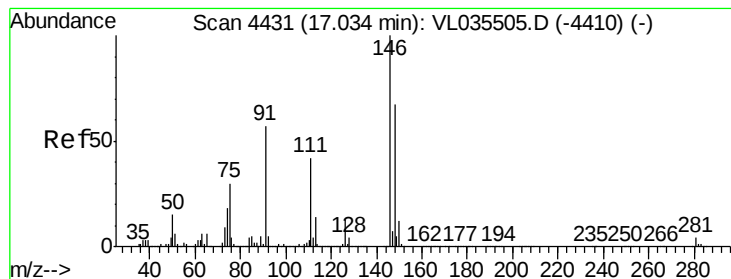
105 100

120 53.8 44.4 66.6

91 48.2 37.1 55.7

77 20.5 16.0 24.0





#75

1,3-Dichlorobenzene

Concen: 6.846 ppbv

RT: 17.00 min Scan# 4422

Delta R.T. -0.01 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

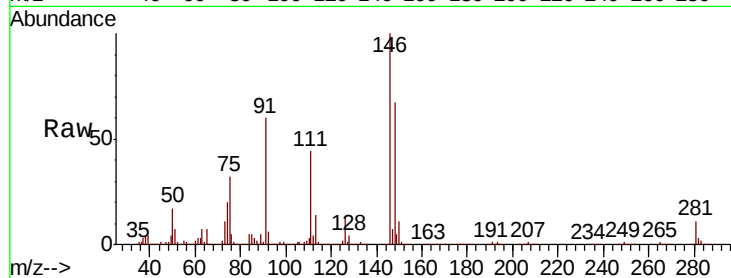
Tot Ion:146 Resp: 3626694

Ion Ratio Lower Upper

146 100

111 42.9 20.7 62.1

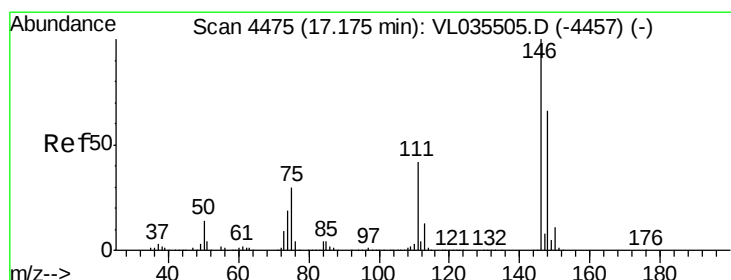
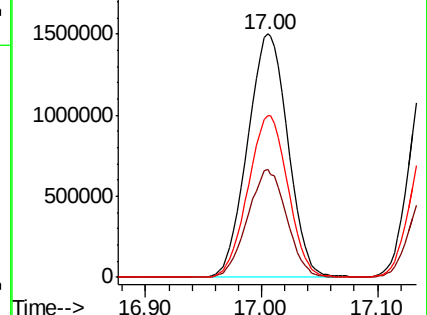
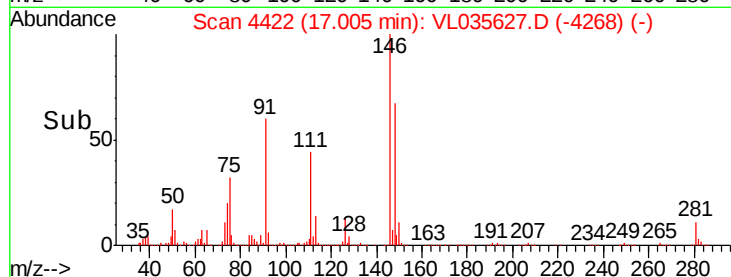
148 65.7 33.0 98.9



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: 7.044 ppbv

RT: 17.15 min Scan# 4466

Delta R.T. -0.01 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

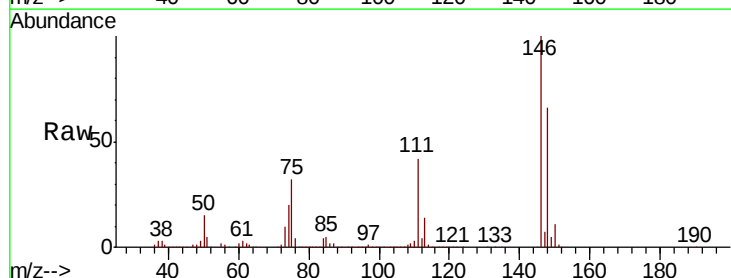
Tgt Ion:146 Resp: 3680440

Ion Ratio Lower Upper

146 100

111 41.3 20.0 60.0

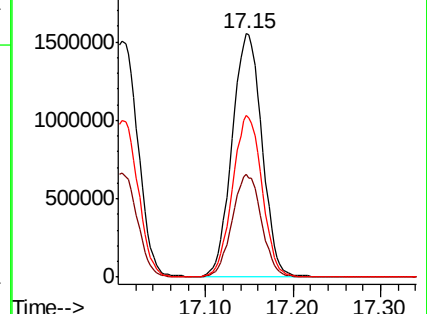
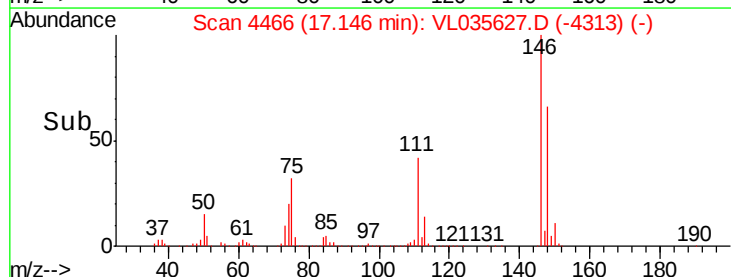
148 65.6 33.2 99.6

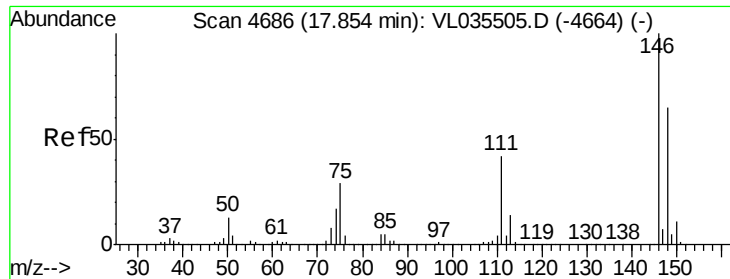


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 6.965 ppbv

RT: 17.83 min Scan# 4678

Delta R.T. -0.01 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

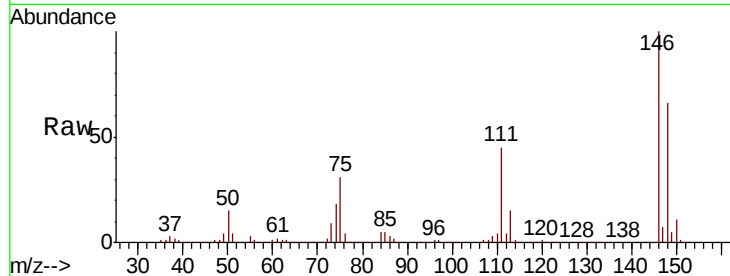
Tot Ion:146 Resp: 3574741

Ion Ratio Lower Upper

146 100

111 44.1 21.1 63.3

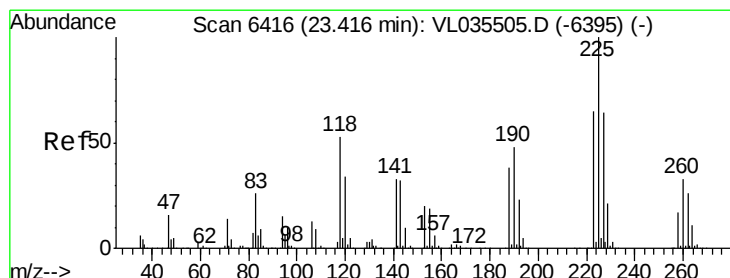
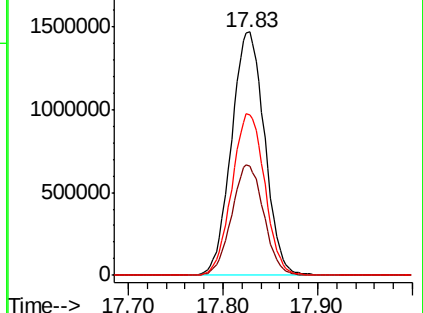
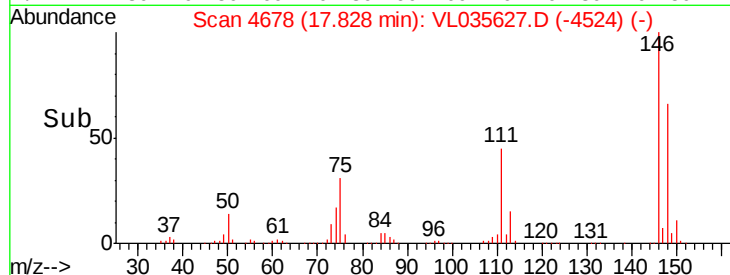
148 65.5 32.9 98.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 6.193 ppbv

RT: 23.39 min Scan# 6408

Delta R.T. -0.01 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

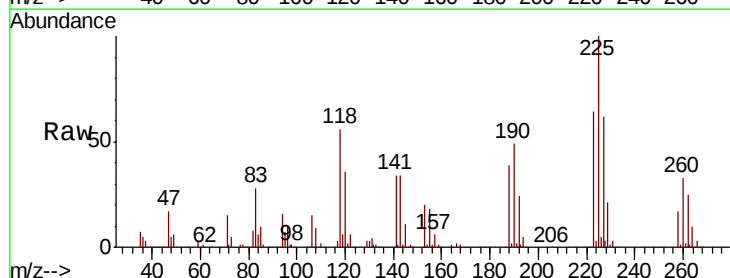
Tgt Ion:225 Resp: 2029279

Ion Ratio Lower Upper

225 100

223 64.3 51.7 77.5

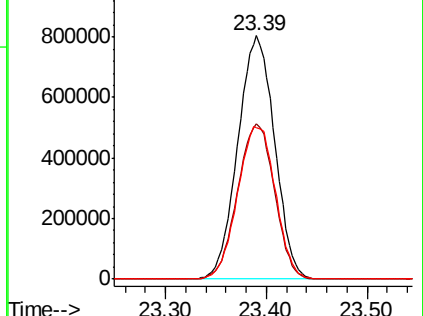
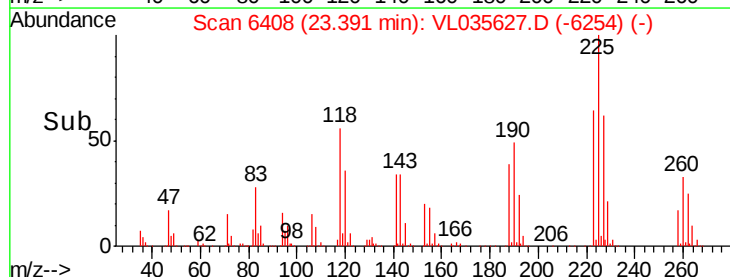
227 64.5 51.5 77.3

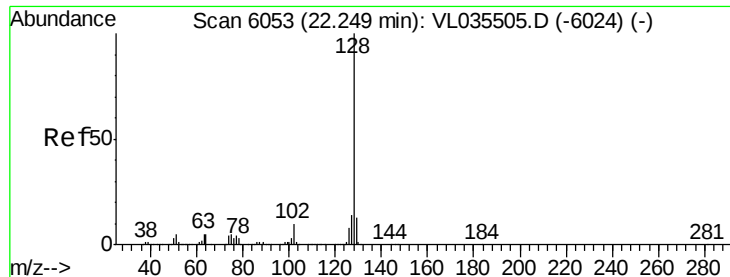


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 7.030 ppbv

RT: 22.21 min Scan# 6042

Delta R.T. -0.01 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

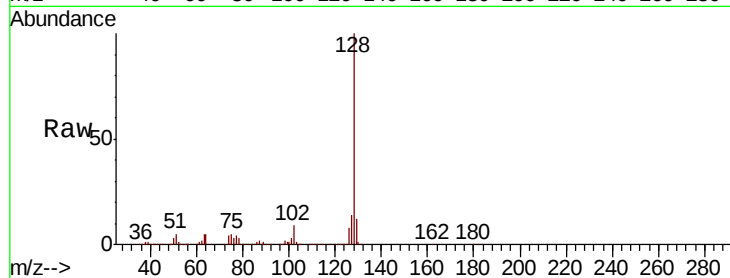
Tot Ion:128 Resp: 5578976

Ion Ratio Lower Upper

128 100

127 13.7 11.4 17.2

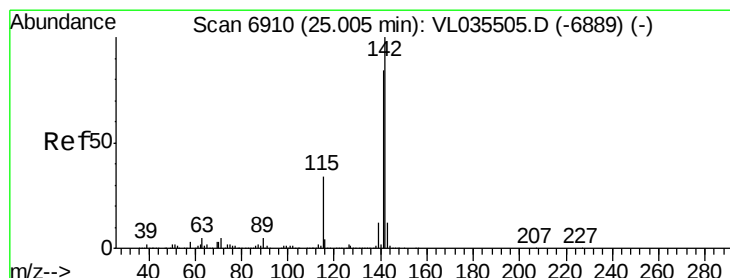
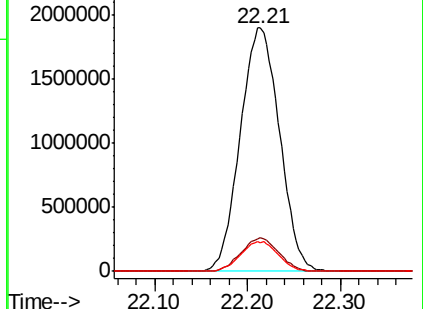
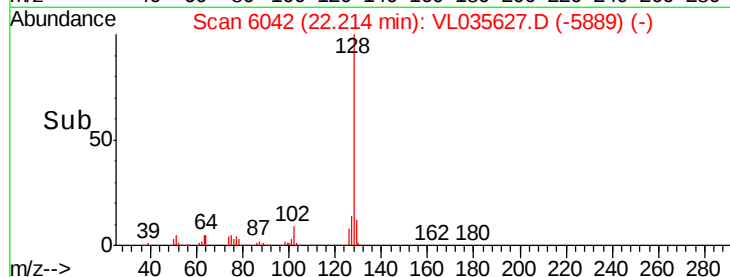
129 11.9 10.5 15.7



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



#80

Naphthalene, 2-methyl-

Concen: 6.046 ppbv

RT: 24.99 min Scan# 6904

Delta R.T. -0.01 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

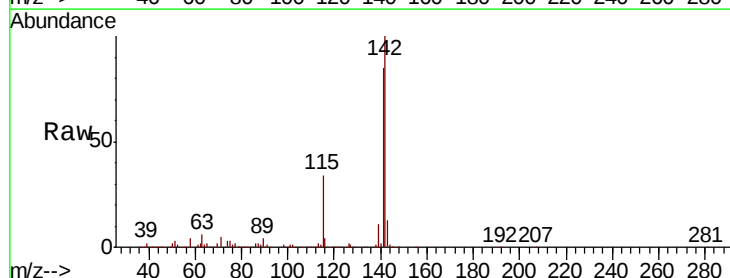
Tgt Ion:142 Resp: 1637652

Ion Ratio Lower Upper

142 100

141 84.2 67.6 101.4

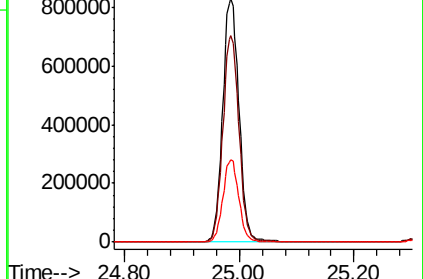
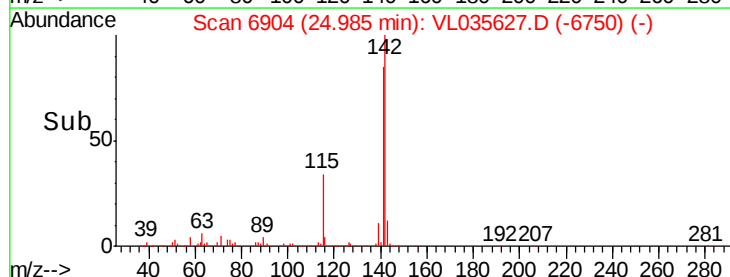
115 32.8 25.8 38.8

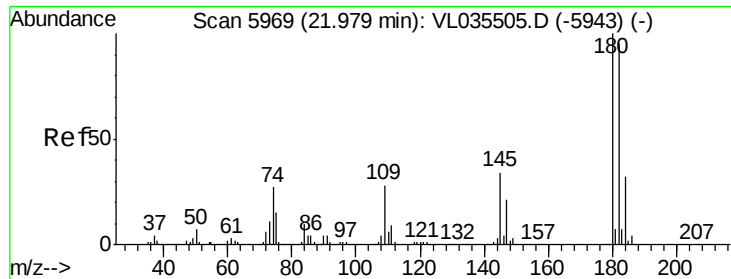


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

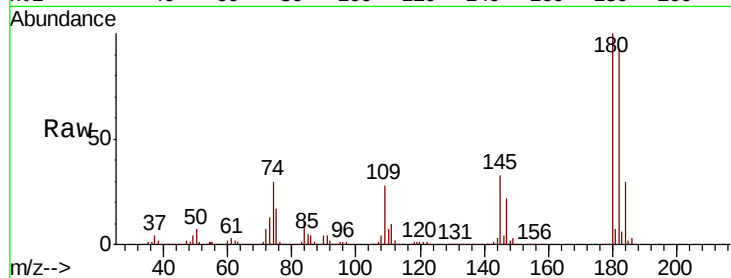




#81
 1,2,4-Trichlorobenzene
 Concen: 6.404 ppbv
 RT: 21.94 min Scan# 5958
 Delta R.T. -0.01 min
 Lab File: VL035627.D
 Acq: 16 Sep 2020 12:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:180 Resp: 3043314
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.3 114.5
 184 30.8 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

