

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012021\
 Data File : VL036243.D
 Acq On : 20 Jan 2021 9:55
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Jan 21 01:34:00 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 14 16:13:38 2021
 QLast Update : Thu Jan 14 16:13:38 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1443381	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	3266822	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.10	117	3841187	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2605942	8.20	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.00%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	1730821	8.946	ppbv 100
3) Chlorodifluoromethane	2.99	51	1781530	10.050	ppbv 98
4) Chloromethane	3.14	50	863296	9.854	ppbv 98
5) Vinyl Chloride	3.26	62	863544	10.416	ppbv 98
6) Bromomethane	3.48	94	472041	10.184	ppbv 98
7) Chloroethane	3.56	64	294053	10.299	ppbv 95
8) Dichlorotetrafluoroethane	3.19	85	1903327	10.154	ppbv 98
9) Propene	3.01	41	777237	9.207	ppbv 99
10) Heptane	8.13	43	2053511	9.800	ppbv 100
11) Trichlorofluoromethane	3.95	101	2034407	10.343	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1250194	10.484	ppbv 97
13) Ethanol	3.61	45	128848	9.721	ppbv 91
14) Bromoethene	3.74	108	545900	10.053	ppbv 98
15) Acetone	3.86	43	1657803	9.378	ppbv 98
16) 1,3-Butadiene	3.33	39	861986	10.009	ppbv 99
17) tert-Butyl alcohol	4.30	59	1455785	9.980	ppbv 100
18) 1,1-Dichloroethene	4.29	96	571167	10.331	ppbv 97
19) Isopropyl Alcohol	3.98	45	1016448	9.538	ppbv 99
20) Methylene Chloride	4.35	84	482420	8.551	ppbv 97
21) Allyl Chloride	4.42	41	983955	10.226	ppbv 95
22) trans-1,2-Dichloroethene	4.89	96	542805	10.626	ppbv 95
23) Vinyl Acetate	5.08	43	2287431	10.679	ppbv 98
24) 1,1-Dichloroethane	5.02	63	1602019	10.325	ppbv 99
25) Ethyl Acetate	5.69	43	3423054	9.645	ppbv 99
26) Hexane	5.69	57	1407961	9.529	ppbv 98
27) Carbon Disulfide	4.56	76	1424696	12.058	ppbv 99
28) Methyl tert-Butyl Ether	5.04	73	2033160	10.175	ppbv 97
29) Chloroform	5.76	83	2186831	10.336	ppbv 98
30) Cyclohexane	7.14	84	1170461	10.366	ppbv 99
31) cis-1,2-Dichloroethene	5.56	61	1476763	10.457	ppbv 92
32) 1,1,1-Trichloroethane	6.52	97	2177911	10.644	ppbv 100
34) 2-Butanone	5.25	43	2220926	9.232	ppbv 98
35) Carbon Tetrachloride	7.03	117	2122710	10.284	ppbv 97
36) Benzene	6.90	78	2896918	9.678	ppbv 99
37) 1,2-Dichloroethane	6.32	62	1831237	10.167	ppbv 100
38) Trichloroethene	7.85	130	925246	8.346	ppbv 95
39) 1,2-Dichloropropane	7.62	63	1206024	9.923	ppbv 98
40) 1,4-Dioxane	7.84	88	144658	3.290	ppbv # 1
41) Tetrahydrofuran	6.06	42	1339255	9.633	ppbv 98
42) Bromodichloromethane	7.81	83	2363154	10.438	ppbv 99
43) Methyl Methacrylate	8.02	69	1317057	10.354	ppbv 96

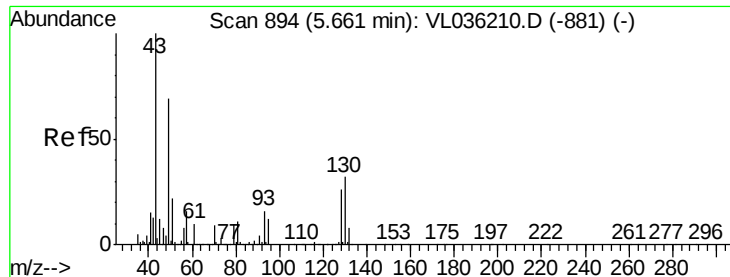
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012021\
 Data File : VL036243.D
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 Operator : SY/AP
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Quant Time: Jan 21 01:34:00 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 14 16:13:38 2021
 QLast Update : Thu Jan 14 16:13:38 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4985079	9.067	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1434805	11.875	ppbv	98
46) cis-1,3-Dichloropropene	8.72	75	1713500	11.036	ppbv	96
47) 1,1,2-Trichloroethane	9.49	97	1130940	9.727	ppbv	95
48) Dibromochloromethane	10.32	129	1843055	10.835	ppbv	99
49) Bromoform	13.06	173	1528343	10.764	ppbv	98
50) 4-Methyl-2-Pentanone	8.75	43	3419700	9.533	ppbv	100
51) 2-Hexanone	10.14	43	2895430	10.232	ppbv	99
52) Tetrachloroethene	11.24	164	904852	8.203	ppbv	98
53) Toluene	9.82	91	3233816	9.658	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1698840	9.857	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.14	131	1357650	7.920	ppbv	99
57) Chlorobenzene	12.16	112	2257200	7.490	ppbv	98
58) Ethyl Benzene	12.73	91	4376015	7.677	ppbv	99
59) m/p-Xylene	13.01	91	3932680	8.029	ppbv #	43
60) o-Xylene	13.71	91	3419569	7.243	ppbv	100
61) Styrene	13.54	104	2447358	8.209	ppbv	99
62) Isopropylbenzene	14.68	105	5162890	7.355	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.69	83	2445940	6.958	ppbv	100
64) n-propylbenzene	15.58	120	1294835	7.508	ppbv	96
65) tert-Butylbenzene	16.76	119	4325672	7.272	ppbv	99
66) Benzyl Chloride	17.01	91	1574338	10.360	ppbv	99
67) sec-Butylbenzene	17.31	105	6289610	7.124	ppbv	99
69) p-Isopropyltoluene	17.67	119	5087114	7.265	ppbv	99
70) n-Butylbenzene	18.57	91	5580844	7.480	ppbv	100
71) 2-Chlorotoluene	15.47	91	4086723	7.407	ppbv	100
72) 4-Ethyltoluene	15.85	105	3973863	7.459	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	3760217	7.404	ppbv	97
74) 1,2,4-Trimethylbenzene	16.78	105	3841404	7.374	ppbv	99
75) 1,3-Dichlorobenzene	17.01	146	2023403	7.242	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	2017893	7.310	ppbv	99
77) 1,2-Dichlorobenzene	17.83	146	2024963	7.420	ppbv	99
78) Hexachloro-1,3-Butadiene	23.39	225	1461623	6.696	ppbv	100
79) Naphthalene	22.22	128	2791176	9.166	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	779418	11.995	ppbv	96
81) 1,2,4-Trichlorobenzene	21.95	180	1438289	8.090	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.02 min

Lab File: VL036243.D

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Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

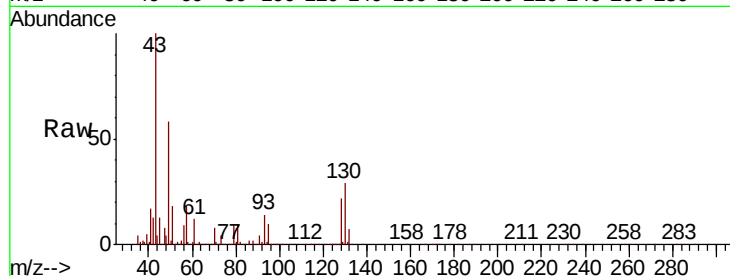
Tot Ion: 49 Resp: 1443381

Ion Ratio Lower Upper

49 100

128 40.7 20.1 60.2

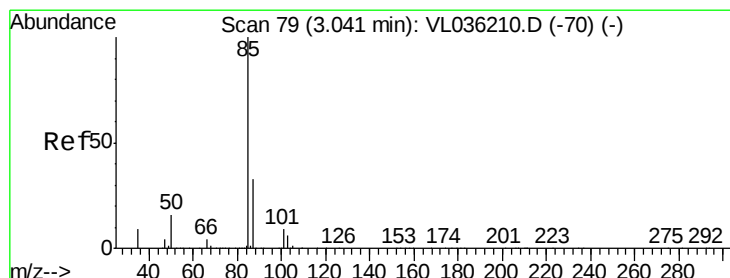
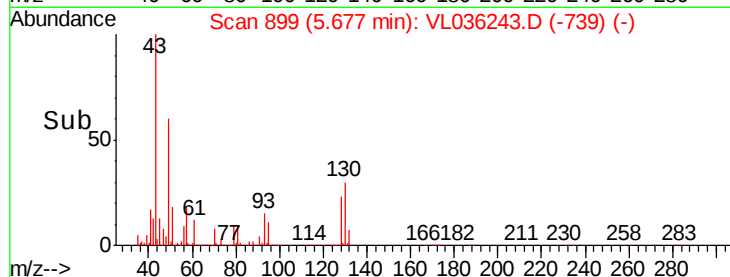
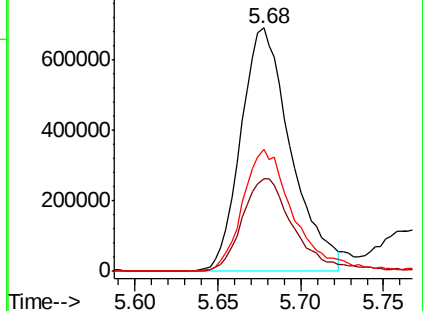
130 52.1 25.3 75.9



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: 8.946 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.01 min

Lab File: VL036243.D

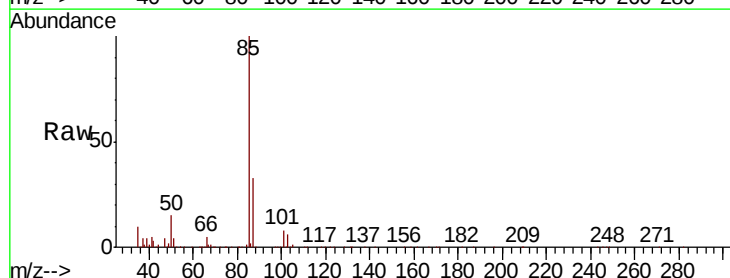
Acq: 20 Jan 2021 9:55

Tgt Ion: 85 Resp: 1730821

Ion Ratio Lower Upper

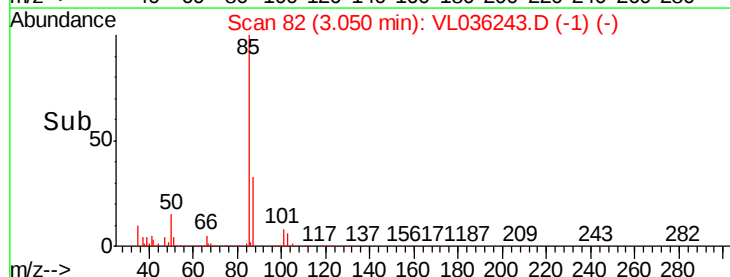
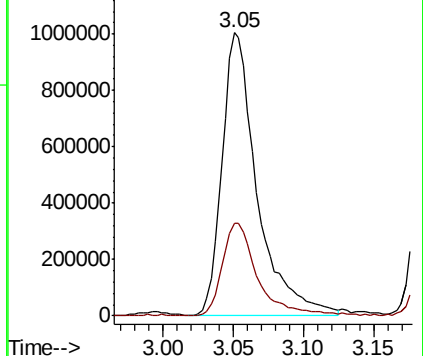
85 100

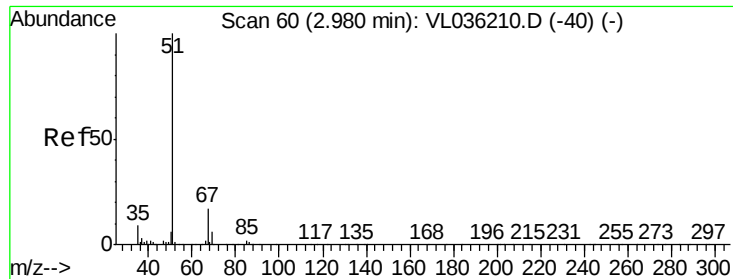
87 32.8 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

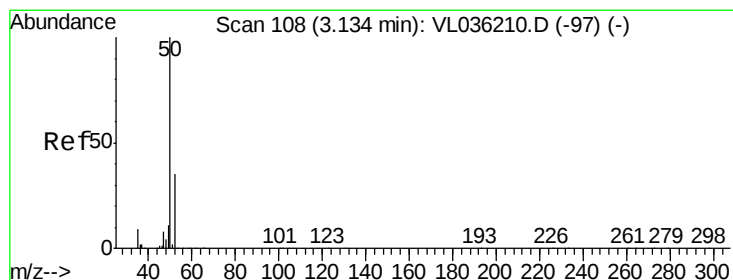
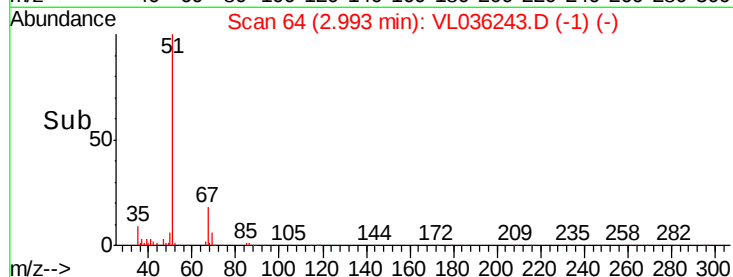
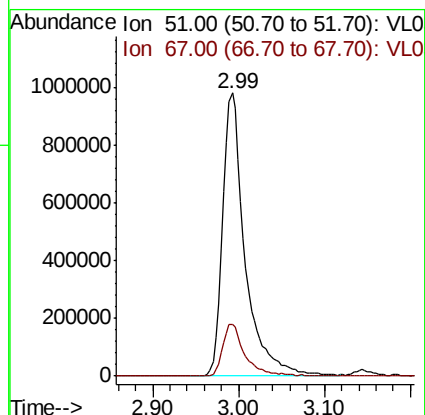
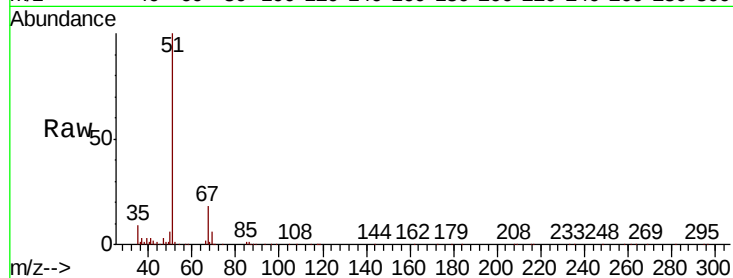




#3
Chlorodifluoromethane
Concen: 10.050 ppbv
RT: 2.99 min Scan# 64
Delta R.T. 0.01 min
Lab File: VL036243.D
Acq: 20 Jan 2021 9:55

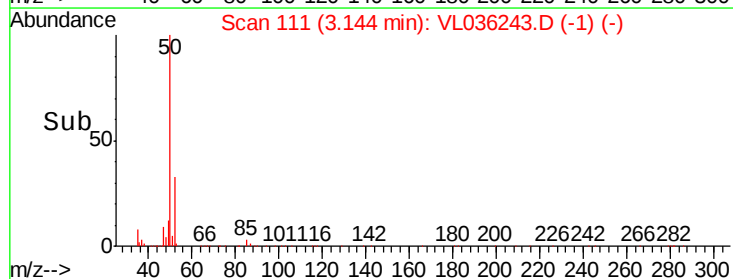
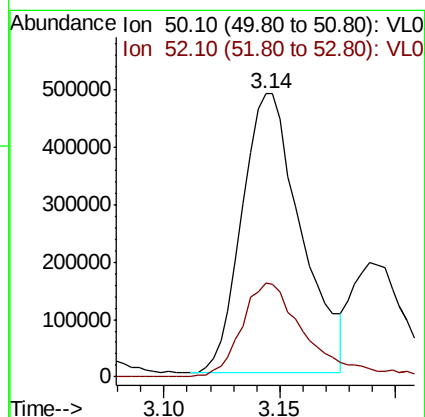
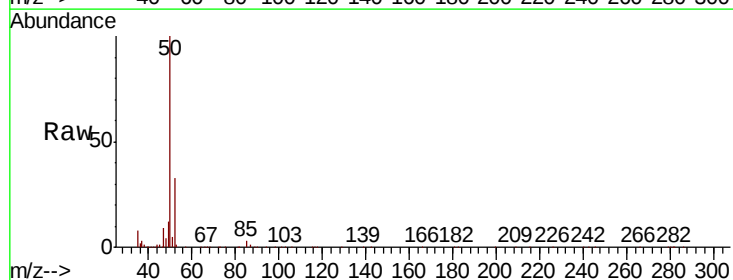
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

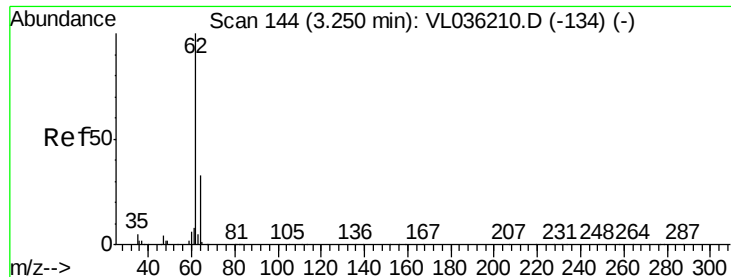
Tot Ion: 51 Resp: 1781530
Ion Ratio Lower Upper
51 100
67 18.4 14.0 21.0



#4
Chloromethane
Concen: 9.854 ppbv
RT: 3.14 min Scan# 111
Delta R.T. 0.01 min
Lab File: VL036243.D
Acq: 20 Jan 2021 9:55

Tgt Ion: 50 Resp: 863296
Ion Ratio Lower Upper
50 100
52 33.7 27.8 41.8





#5

Vinyl Chloride

Concen: 10.416 ppbv

RT: 3.26 min Scan# 148

Delta R.T. 0.01 min

Lab File: VL036243.D

Acq: 20 Jan 2021 9:55

Instrument :

MSVOA_L

ClientSampleId :

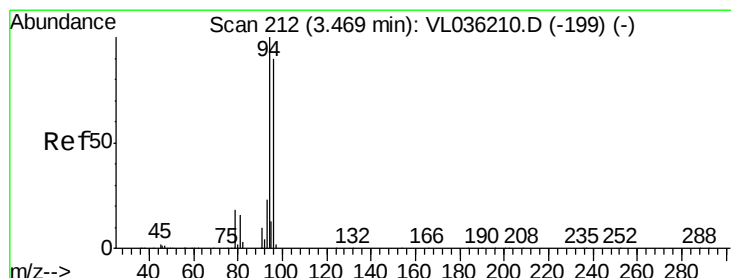
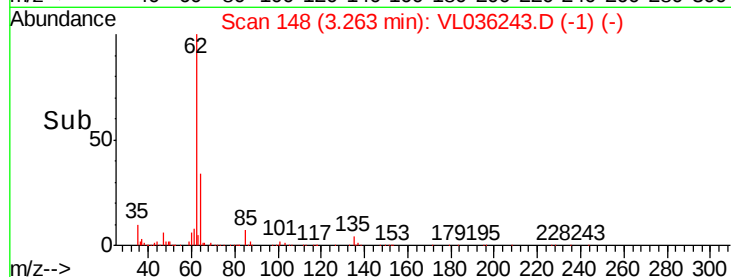
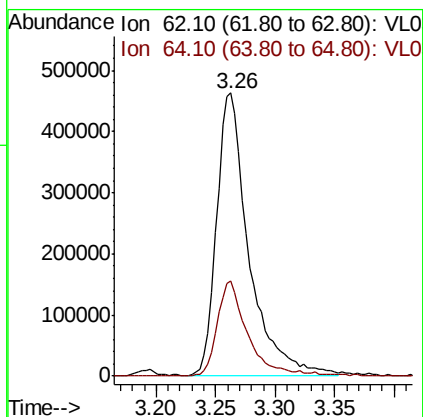
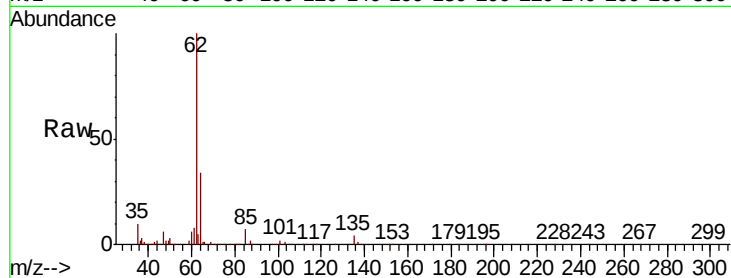
VSTDCCC010

Tot Ion: 62 Resp: 863544

Ion Ratio Lower Upper

62 100

64 33.6 26.2 39.2



#6

Bromomethane

Concen: 10.184 ppbv

RT: 3.48 min Scan# 216

Delta R.T. 0.01 min

Lab File: VL036243.D

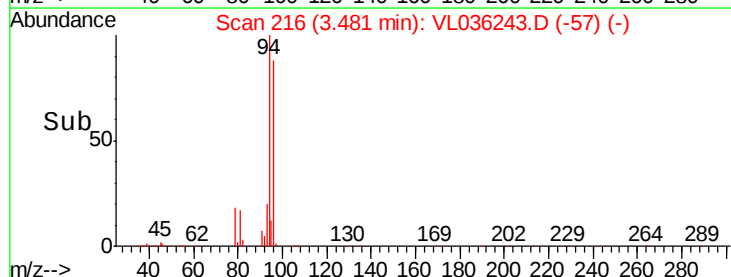
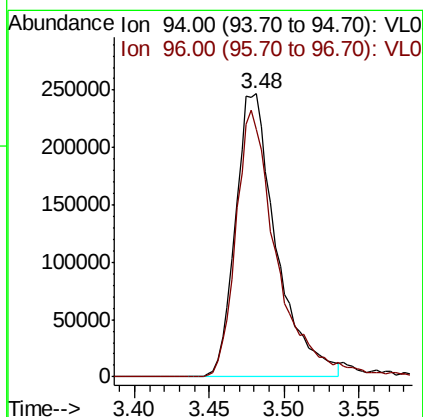
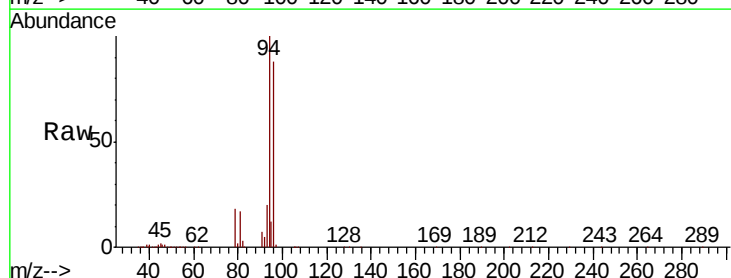
Acq: 20 Jan 2021 9:55

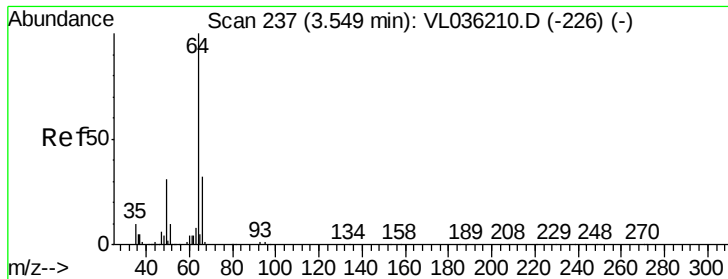
Tgt Ion: 94 Resp: 472041

Ion Ratio Lower Upper

94 100

96 87.7 71.9 107.9





#7

Chloroethane

Concen: 10.299 ppbv

RT: 3.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VL036243.D

Acq: 20 Jan 2021 9:55

Instrument :

MSVOA_L

ClientSampleId :

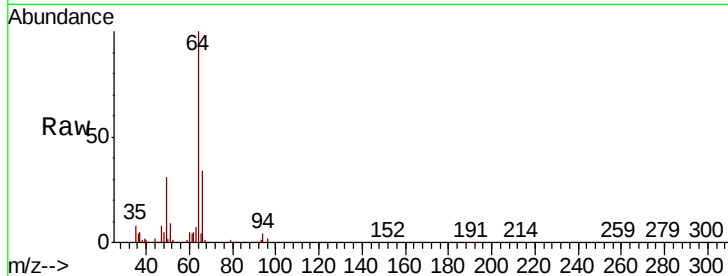
VSTDCCC010

Tot Ion: 64 Resp: 294053

Ion Ratio Lower Upper

64 100

66 34.3 25.2 37.8



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.56

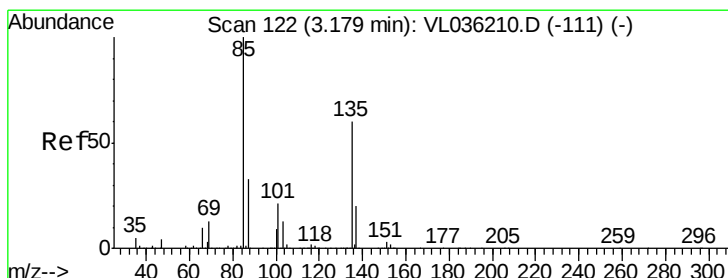
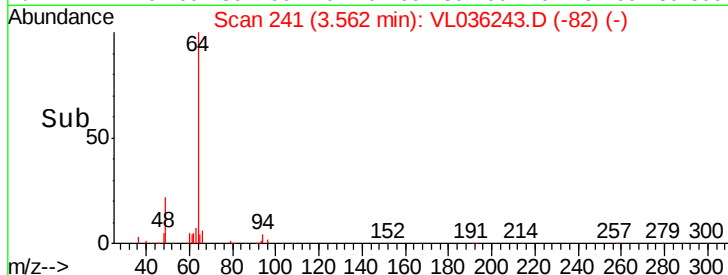
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 10.154 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.01 min

Lab File: VL036243.D

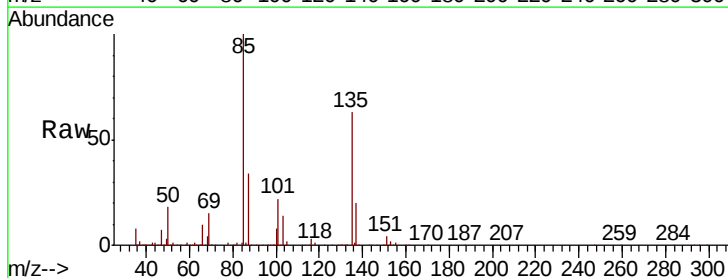
Acq: 20 Jan 2021 9:55

Tgt Ion: 85 Resp: 1903327

Ion Ratio Lower Upper

85 100

135 62.8 51.5 77.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.19

1200000

1000000

800000

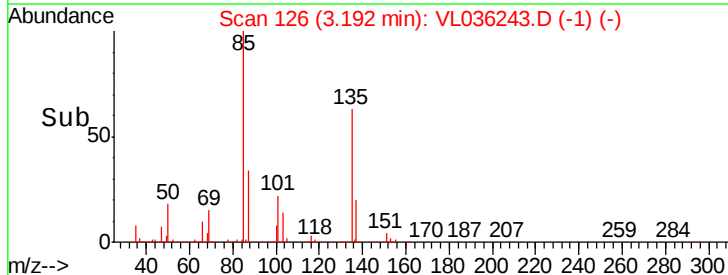
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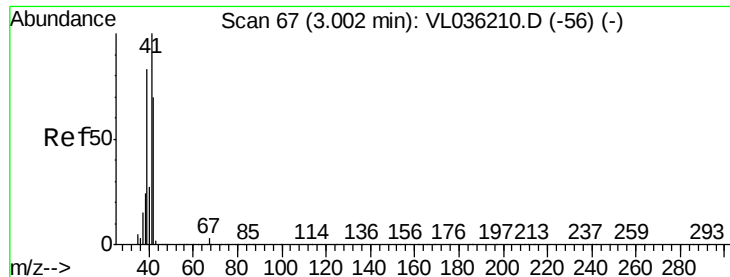
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200000

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Time-->





#9

Propene

Concen: 9.207 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.01 min

Lab File: VL036243.D

Acq: 20 Jan 2021 9:55

Instrument :

MSVOA_L

ClientSampleId :

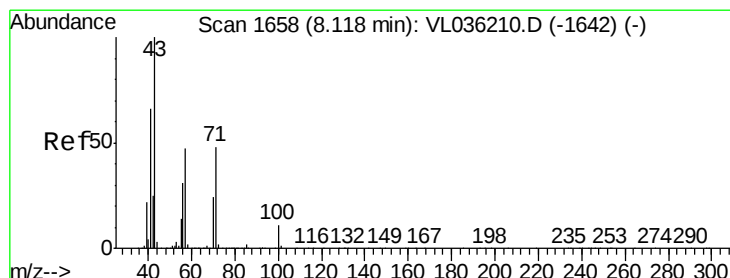
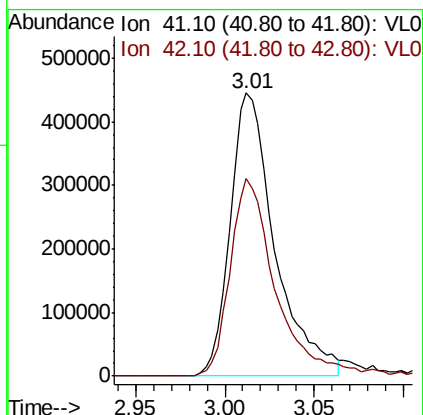
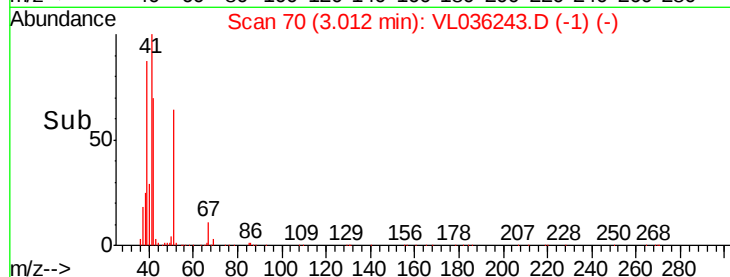
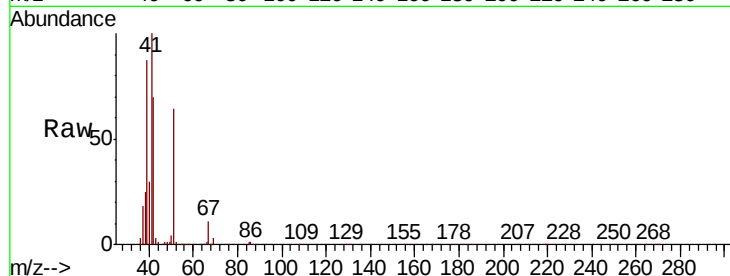
VSTDCCC010

Tot Ion: 41 Resp: 777237

Ion Ratio Lower Upper

41 100

42 72.6 57.1 85.7



#10

Heptane

Concen: 9.800 ppbv

RT: 8.13 min Scan# 1663

Delta R.T. 0.02 min

Lab File: VL036243.D

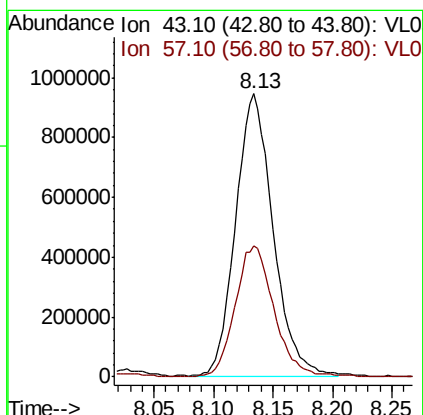
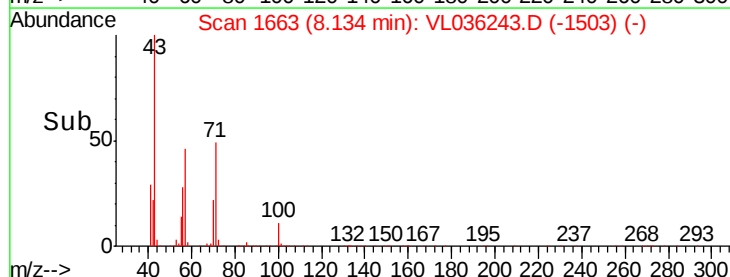
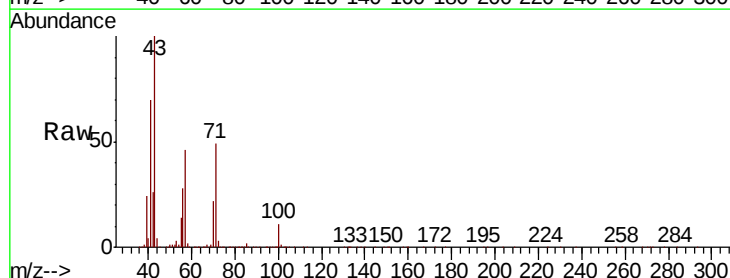
Acq: 20 Jan 2021 9:55

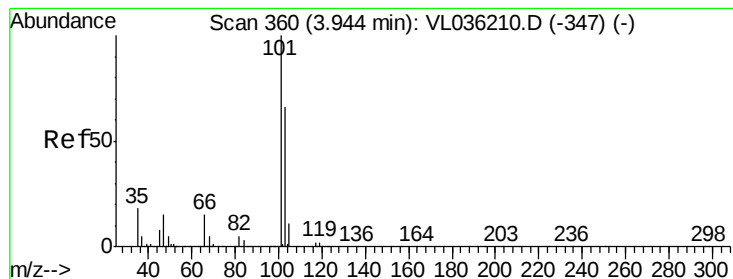
Tgt Ion: 43 Resp: 2053511

Ion Ratio Lower Upper

43 100

57 47.6 38.1 57.1





#11

Trichlorofluoromethane

Concen: 10.343 ppbv

RT: 3.95 min Scan# 363

Delta R.T. 0.01 min

Lab File: VL036243.D

Acq: 20 Jan 2021 9:55

Instrument :

MSVOA_L

ClientSampleId :

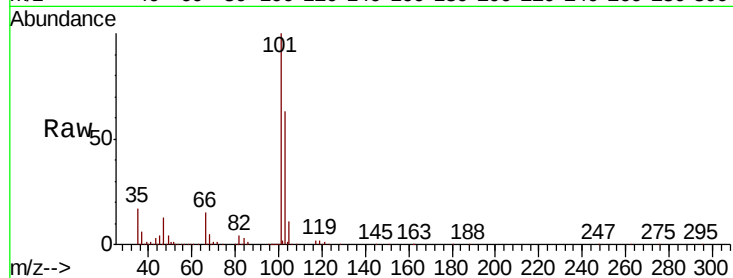
VSTDCCC010

Tot Ion:101 Resp: 2034407

Ion Ratio Lower Upper

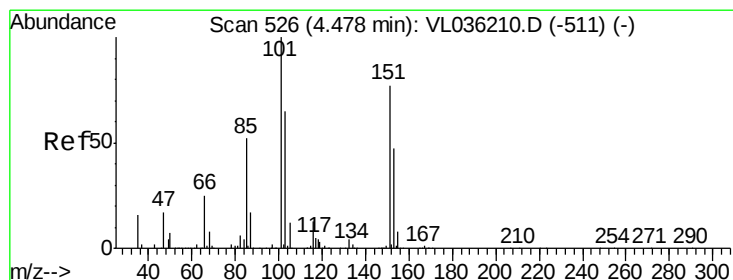
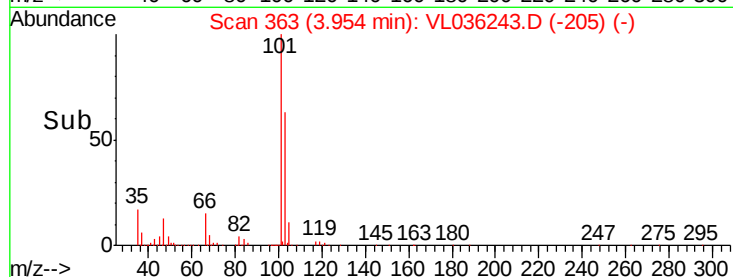
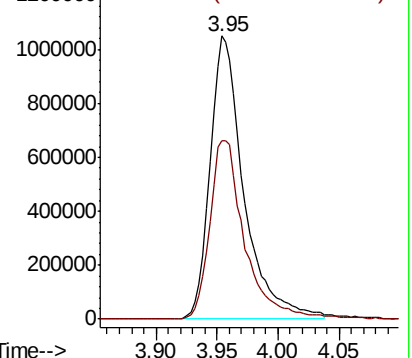
101 100

103 63.2 52.6 78.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.484 ppbv

RT: 4.49 min Scan# 530

Delta R.T. 0.01 min

Lab File: VL036243.D

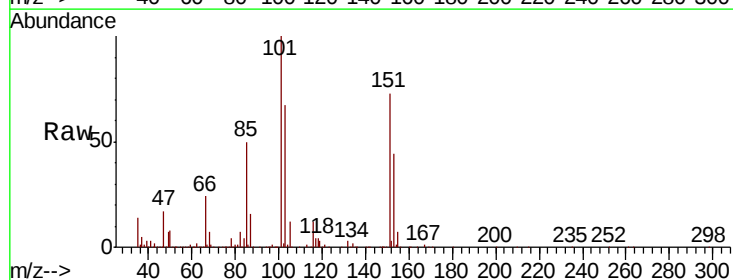
Acq: 20 Jan 2021 9:55

Tgt Ion:101 Resp: 1250194

Ion Ratio Lower Upper

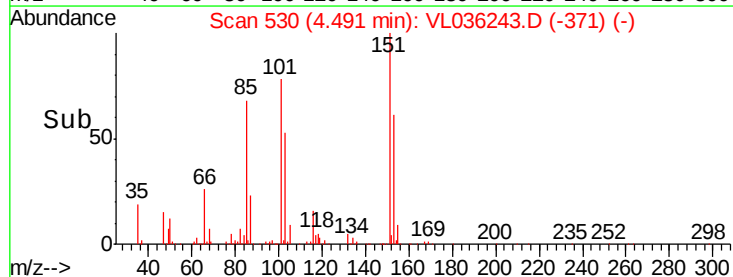
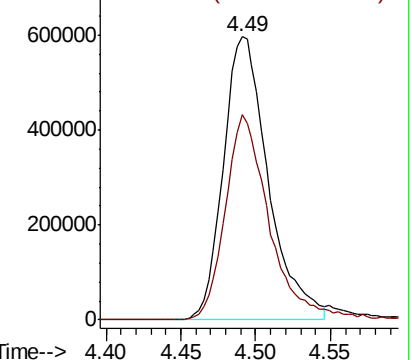
101 100

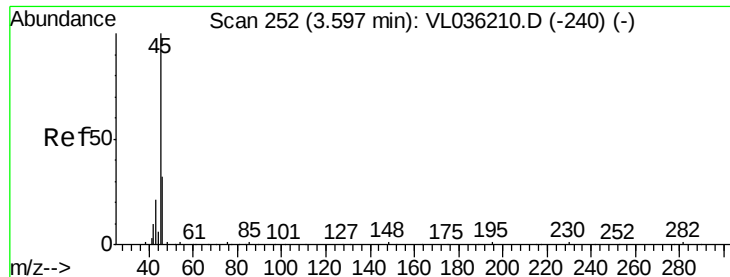
151 71.8 59.8 89.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 9.721 ppbv

RT: 3.61 min Scan# 257

Delta R.T. 0.02 min

Lab File: VL036243.D

Acq: 20 Jan 2021 9:55

Instrument :

MSVOA_L

ClientSampleId :

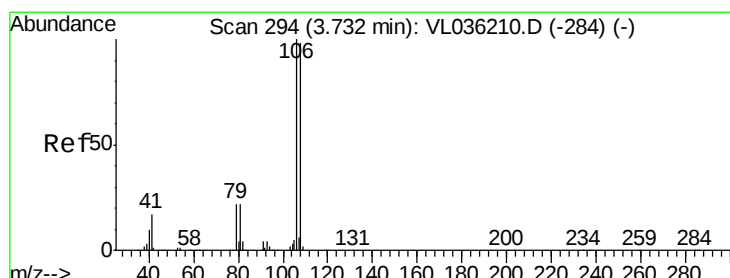
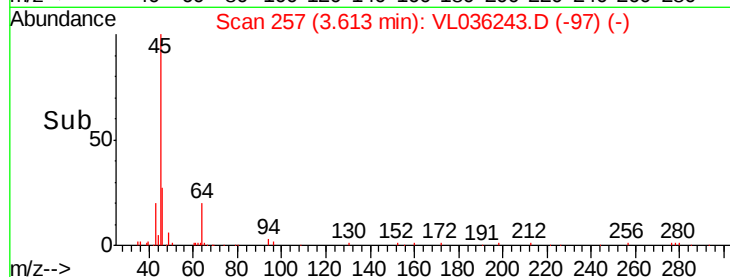
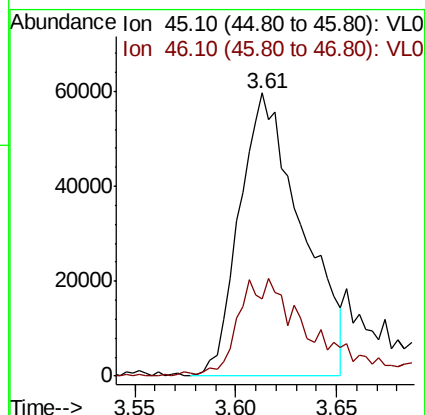
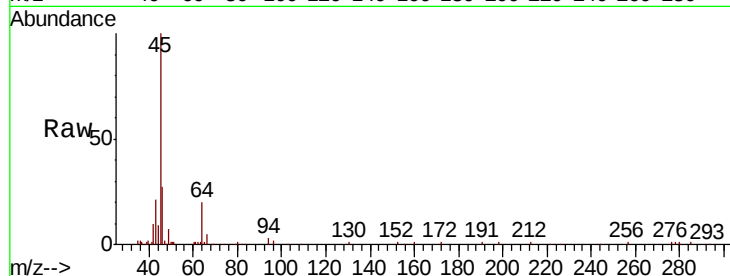
VSTDCCC010

Tot Ion: 45 Resp: 128848

Ion Ratio Lower Upper

45 100

46 42.1 19.2 77.0



#14

Bromoethene

Concen: 10.053 ppbv

RT: 3.74 min Scan# 298

Delta R.T. 0.01 min

Lab File: VL036243.D

Acq: 20 Jan 2021 9:55

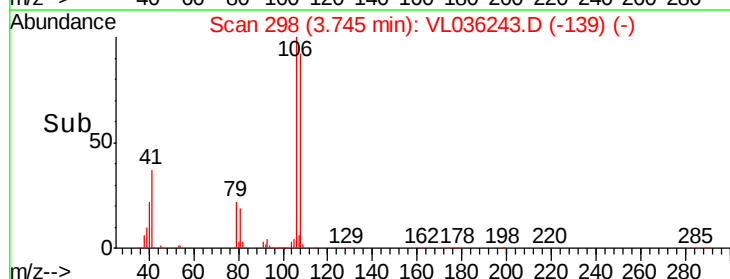
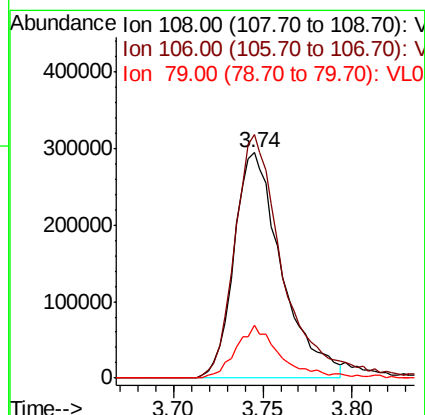
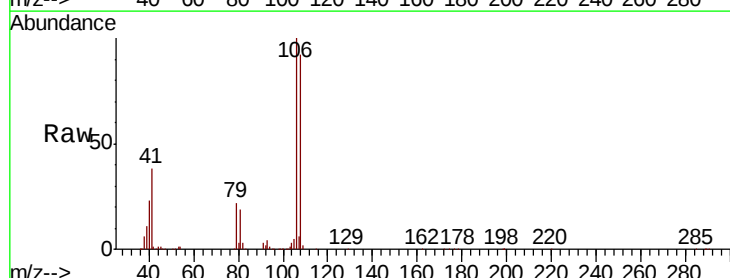
Tgt Ion: 108 Resp: 545900

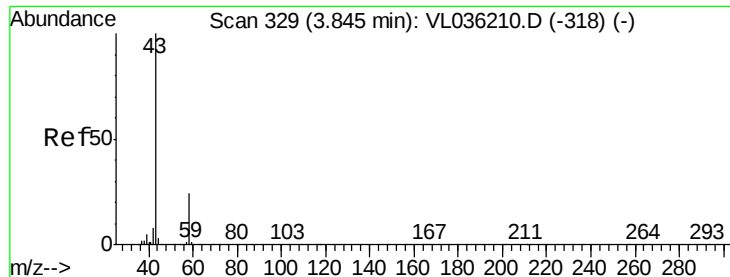
Ion Ratio Lower Upper

108 100

106 111.6 91.4 137.2

79 22.8 18.3 27.5





#15

Acetone

Concen: 9.378 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.01 min

Lab File: VL036243.D

Acq: 20 Jan 2021 9:55

Instrument :

MSVOA_L

ClientSampleId :

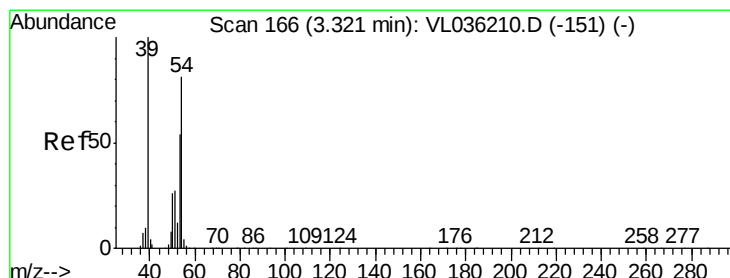
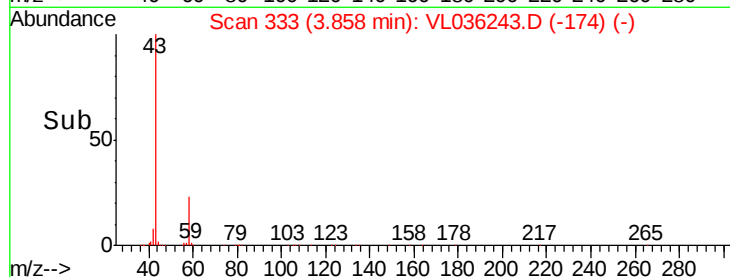
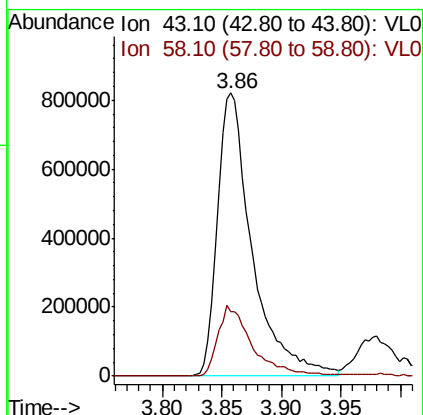
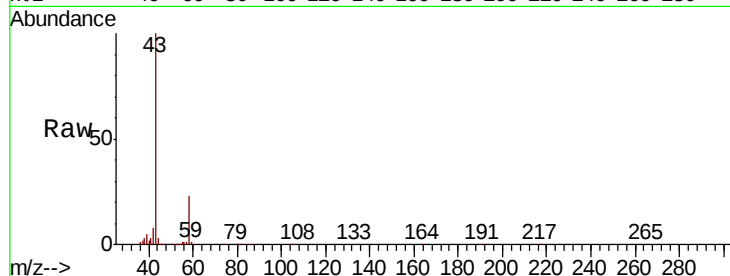
VSTDCCC010

Tot Ion: 43 Resp: 1657803

Ion Ratio Lower Upper

43 100

58 24.9 20.9 31.3



#16

1,3-Butadiene

Concen: 10.009 ppbv

RT: 3.33 min Scan# 170

Delta R.T. 0.01 min

Lab File: VL036243.D

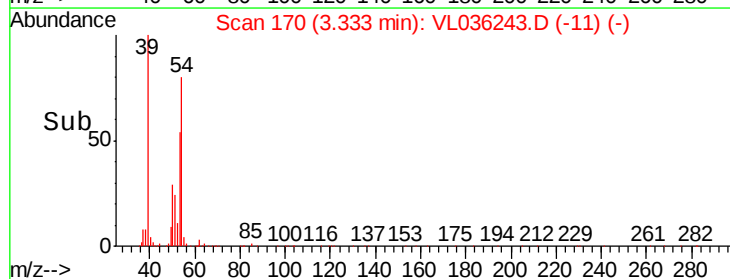
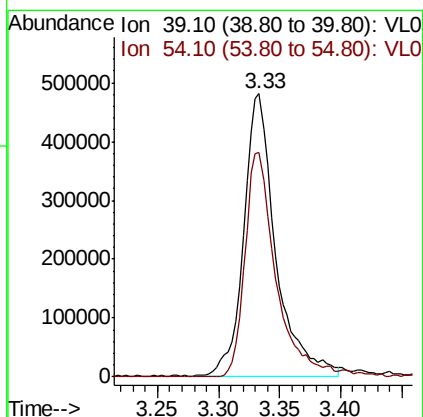
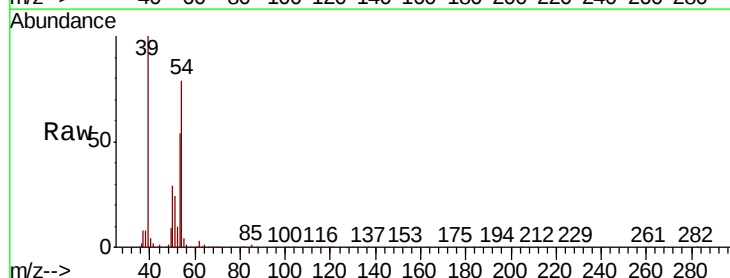
Acq: 20 Jan 2021 9:55

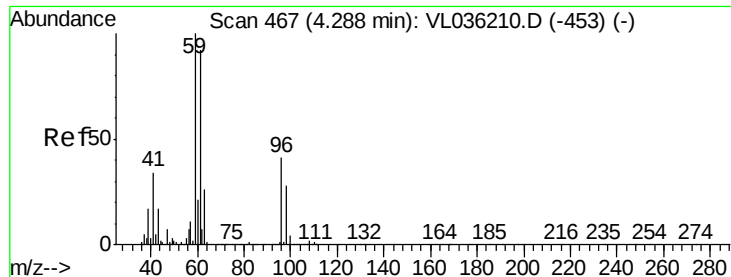
Tgt Ion: 39 Resp: 861986

Ion Ratio Lower Upper

39 100

54 79.2 62.5 93.7



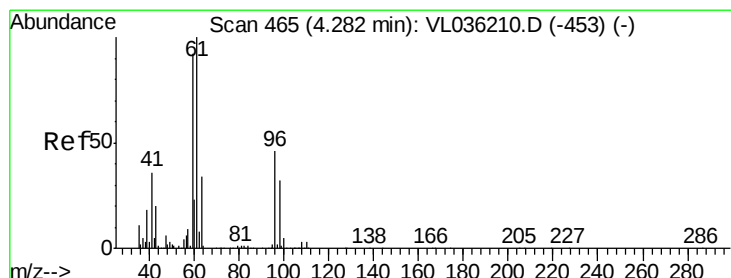
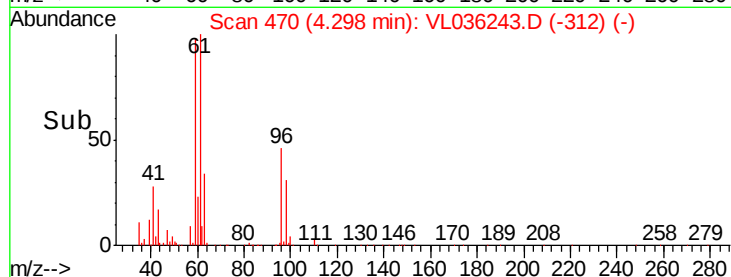
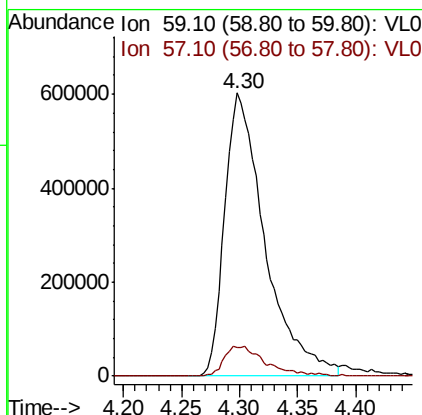
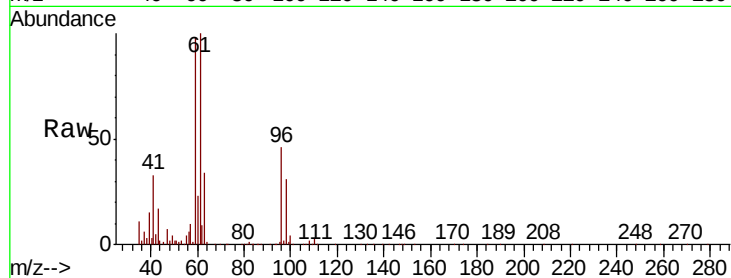


#17

tert-Butyl alcohol
 Concen: 9.980 ppbv
 RT: 4.30 min Scan# 470
 Delta R.T. 0.01 min
 Lab File: VL036243.D
 Acq: 20 Jan 2021 9:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

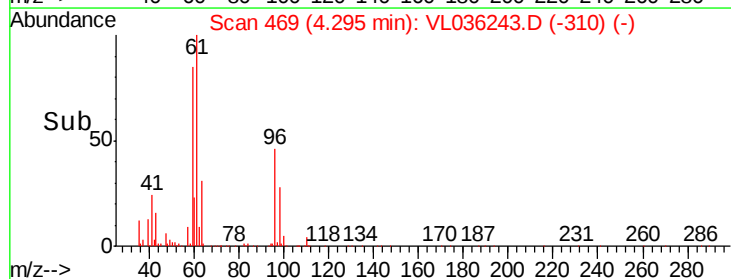
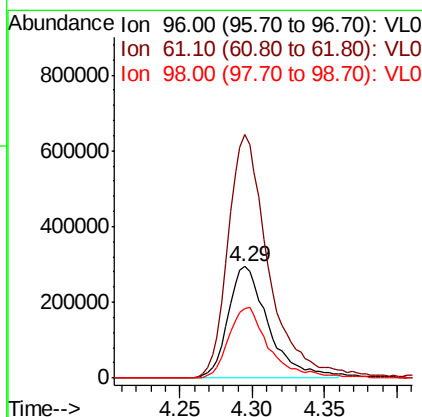
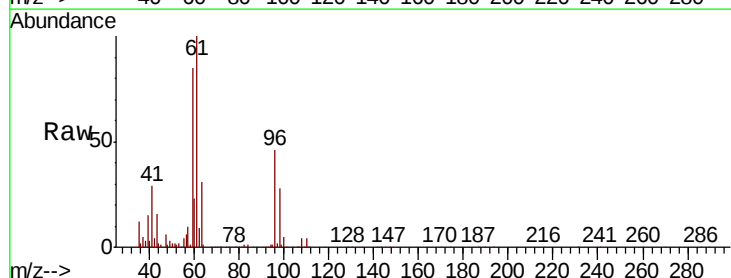
Tot Ion: 59 Resp: 1455785
 Ion Ratio Lower Upper
 59 100
 57 11.3 9.2 13.8

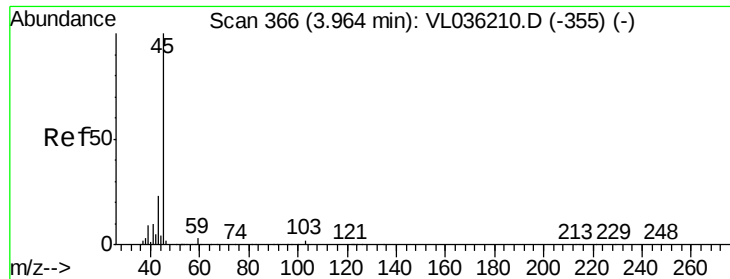


#18

1,1-Dichloroethene
 Concen: 10.331 ppbv
 RT: 4.29 min Scan# 469
 Delta R.T. 0.01 min
 Lab File: VL036243.D
 Acq: 20 Jan 2021 9:55

Tgt Ion: 96 Resp: 571167
 Ion Ratio Lower Upper
 96 100
 61 218.2 173.4 260.0
 98 61.9 54.9 82.3





#19

Isopropyl Alcohol

Concen: 9.538 ppbv

RT: 3.98 min Scan# 371

Delta R.T. 0.02 min

Lab File: VL036243.D

Acq: 20 Jan 2021 9:55

Instrument :

MSVOA_L

ClientSampleId :

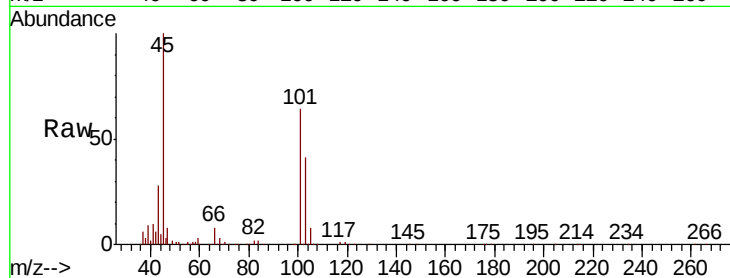
VSTDCCC010

Tot Ion: 45 Resp: 1016448

Ion Ratio Lower Upper

45 100

58 2.0 1.9 2.9



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.98

400000

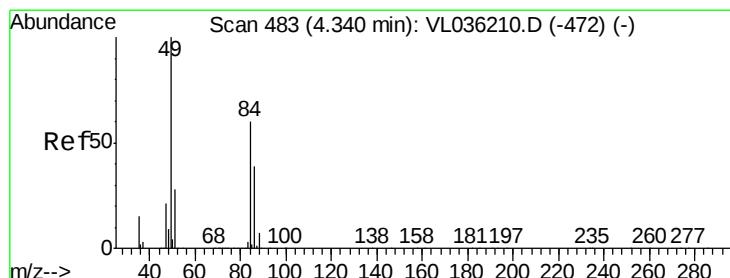
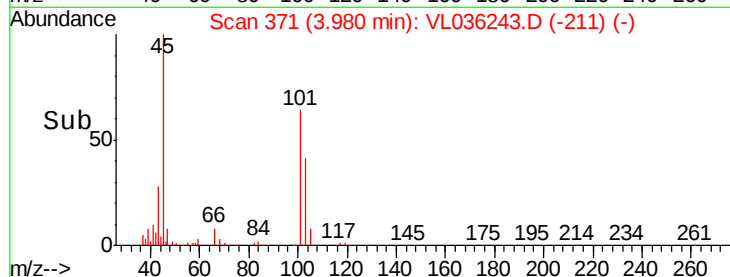
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 8.551 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.01 min

Lab File: VL036243.D

Acq: 20 Jan 2021 9:55

Tgt Ion: 84 Resp: 482420

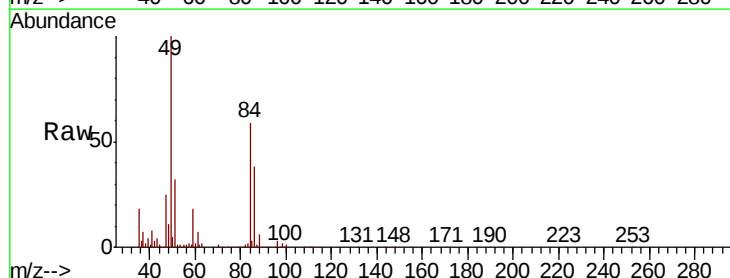
Ion Ratio Lower Upper

84 100

49 166.0 134.1 201.1

51 52.7 37.4 56.0

86 63.4 52.6 78.8



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

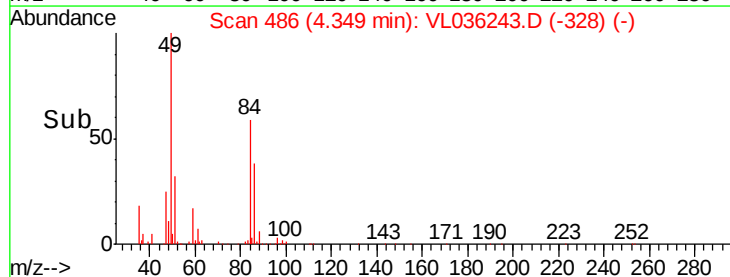
600000

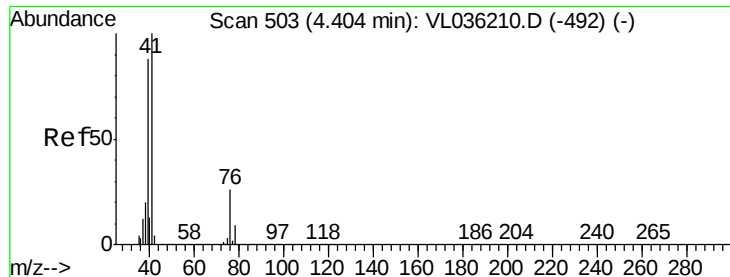
400000

200000

0

Time-->





#21

Allvl Chloride

Concen: 10.226 ppbv

RT: 4.42 min Scan# 508

Delta R.T. 0.02 min

Lab File: VL036243.D

Acq: 20 Jan 2021 9:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

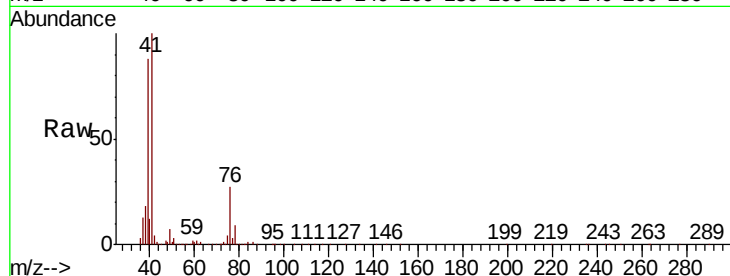
Tot Ion: 41 Resp: 983955

Ion Ratio Lower Upper

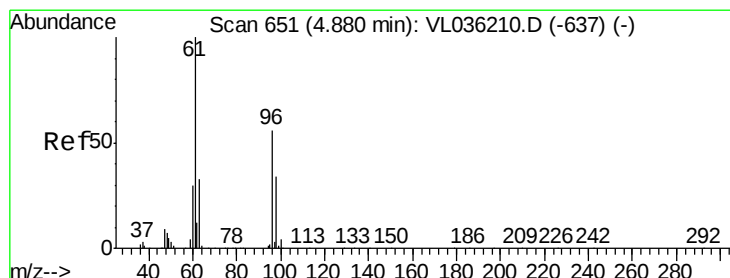
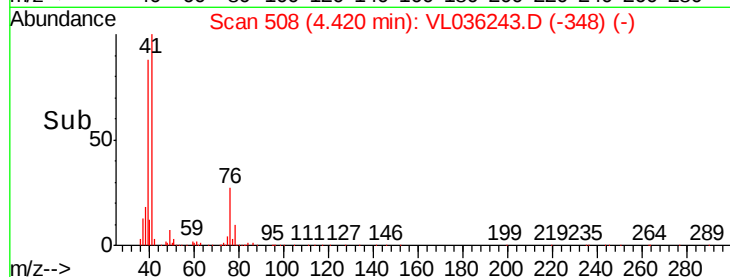
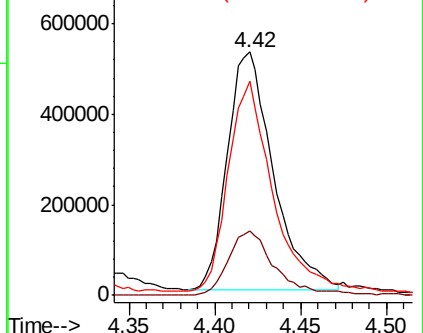
41 100

76 27.7 20.5 30.7

39 89.6 67.8 101.8



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 10.626 ppbv

RT: 4.89 min Scan# 654

Delta R.T. 0.01 min

Lab File: VL036243.D

Acq: 20 Jan 2021 9:55

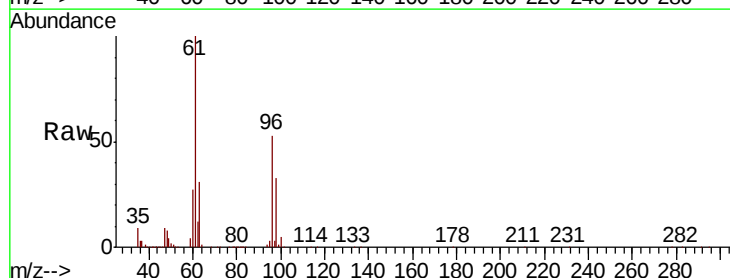
Tgt Ion: 96 Resp: 542805

Ion Ratio Lower Upper

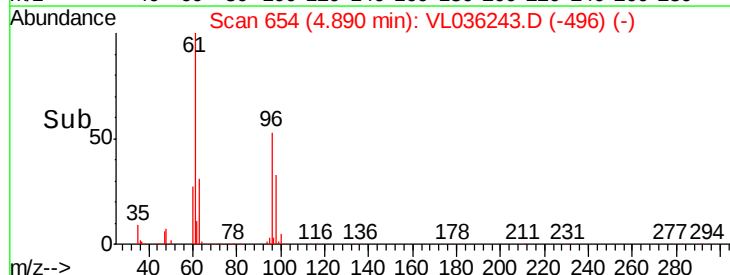
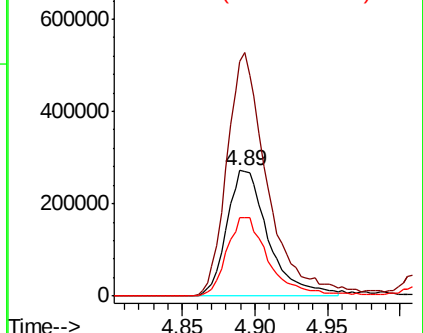
96 100

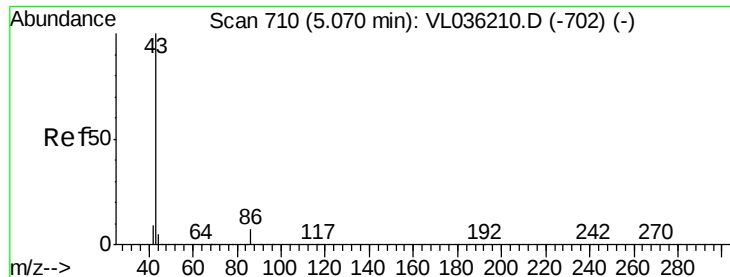
61 187.1 142.7 214.1

98 61.9 48.7 73.1



Abundance Ion 96.00 (95.70 to 96.70): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 10.679 ppbv

RT: 5.08 min Scan# 714

Delta R.T. 0.01 min

Lab File: VL036243.D

Acq: 20 Jan 2021 9:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 2287431

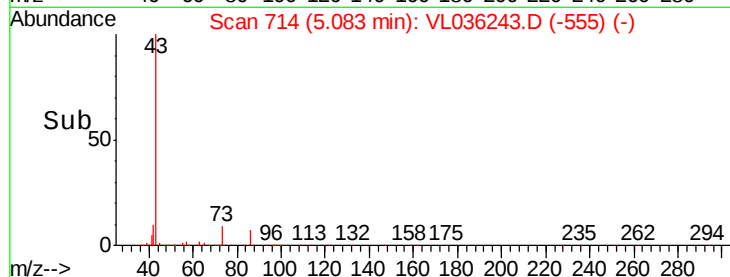
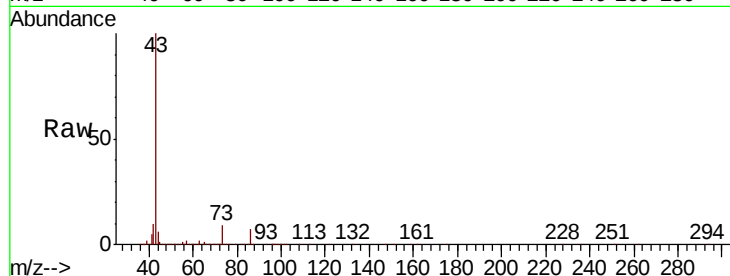
Ion	Ratio	Lower	Upper
43	100		
86	7.0	4.9	7.3
42	10.3	7.8	11.6
44	5.3	3.7	5.5

43 100

86 7.0 4.9 7.3

42 10.3 7.8 11.6

44 5.3 3.7 5.5

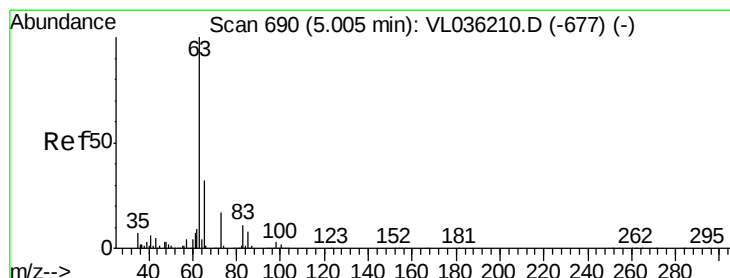
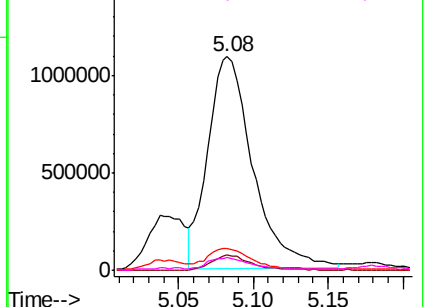


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.325 ppbv

RT: 5.02 min Scan# 694

Delta R.T. 0.01 min

Lab File: VL036243.D

Acq: 20 Jan 2021 9:55

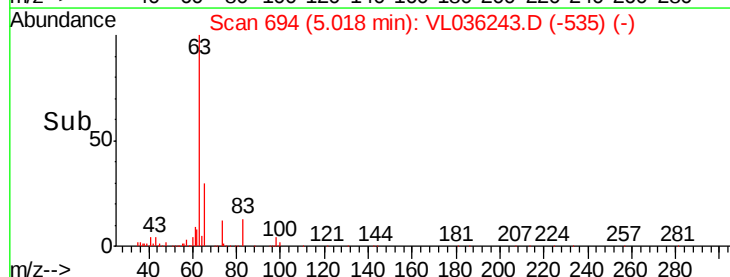
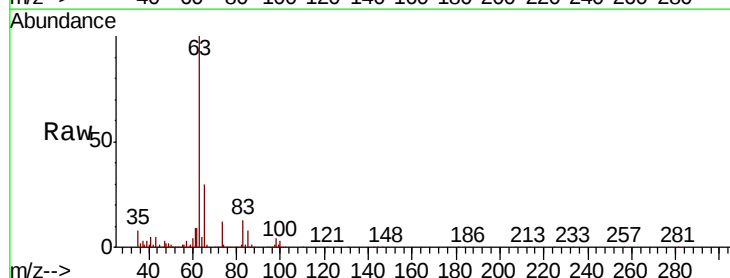
Tgt Ion: 63 Resp: 1602019

Ion	Ratio	Lower	Upper
63	100		
98	3.8	1.7	5.1
100	2.5	1.1	3.1

63 100

98 3.8 1.7 5.1

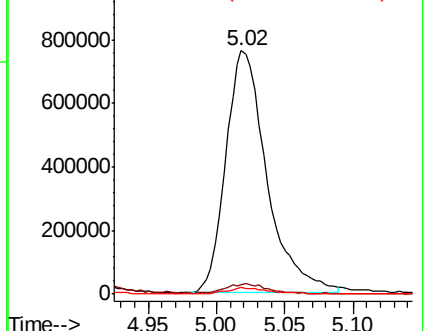
100 2.5 1.1 3.1

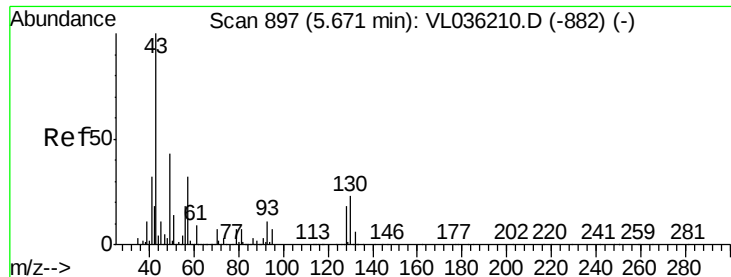


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



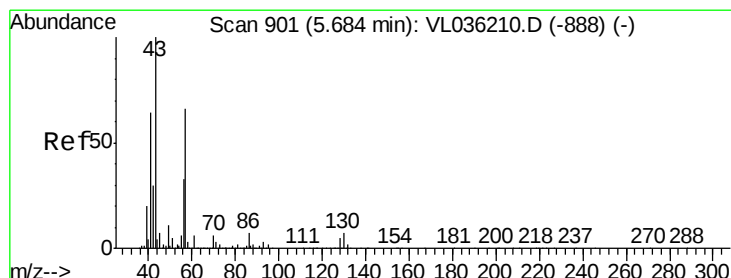
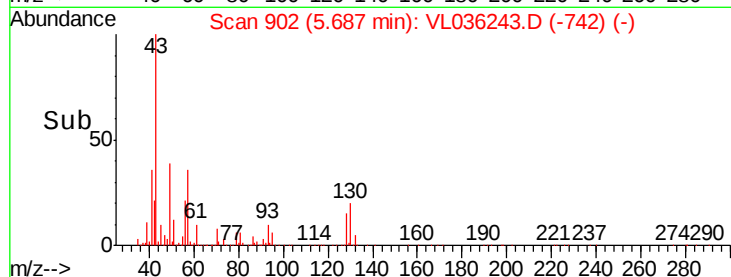
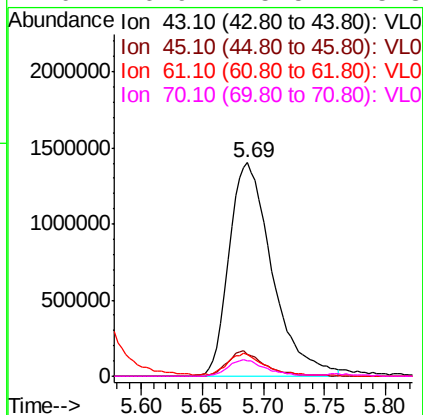
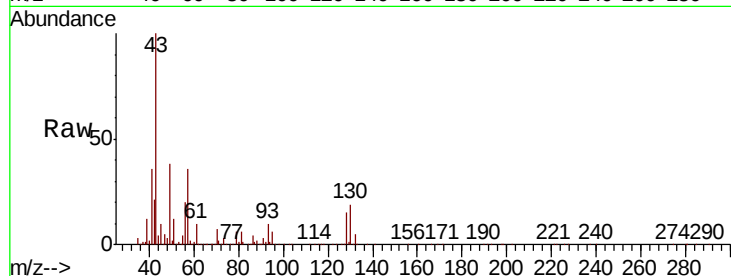


#25
Ethyl Acetate
Concen: 9.645 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.02 min
Lab File: VL036243.D
Acq: 20 Jan 2021 9:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 3423054

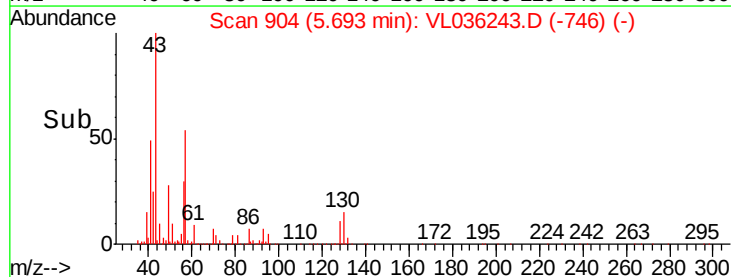
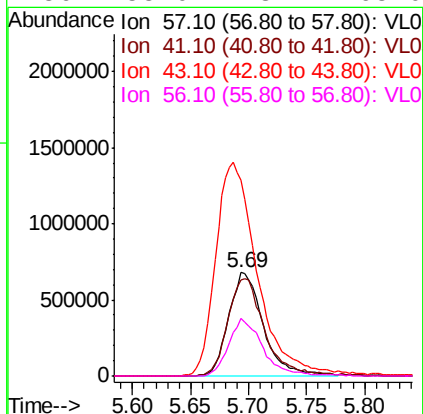
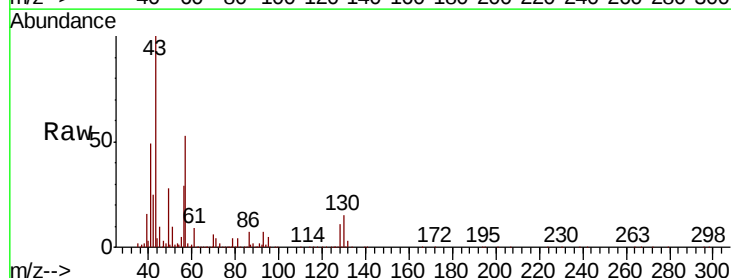
Ion	Ratio	Lower	Upper
43	100		
45	10.7	8.3	12.5
61	9.5	7.4	11.2
70	6.9	5.5	8.3

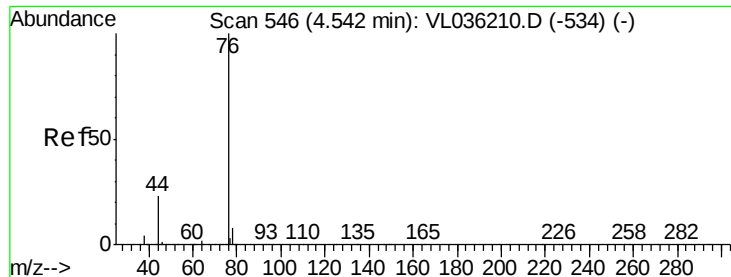


#26
Hexane
Concen: 9.529 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.01 min
Lab File: VL036243.D
Acq: 20 Jan 2021 9:55

Tgt Ion: 57 Resp: 1407961

Ion	Ratio	Lower	Upper
57	100		
41	101.7	83.0	124.6
43	249.3	202.4	303.6
56	55.0	43.4	65.0





#27

Carbon Disulfide

Concen: 12.058 ppbv

RT: 4.56 min Scan# 551

Delta R.T. 0.02 min

Lab File: VL036243.D

Acq: 20 Jan 2021 9:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

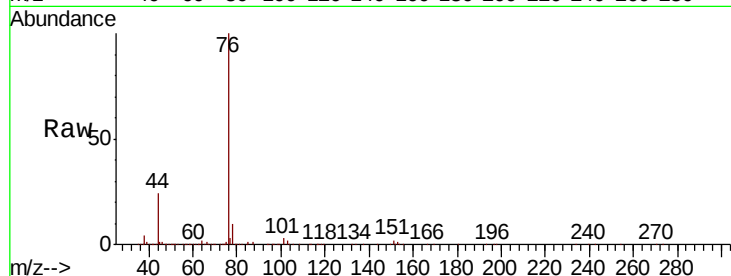
Tot Ion: 76 Resp: 1424696

Ion	Ratio	Lower	Upper
76	100		
44	23.4	19.0	28.6
78	10.0	8.0	12.0

76 100

44 23.4 19.0 28.6

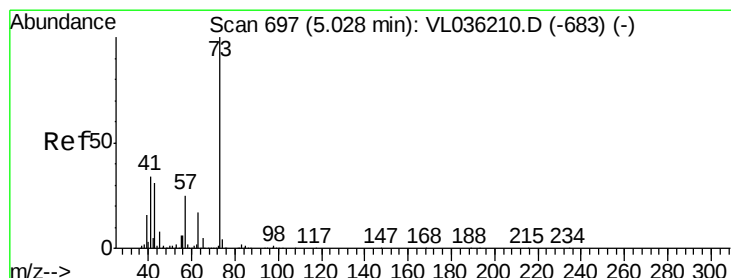
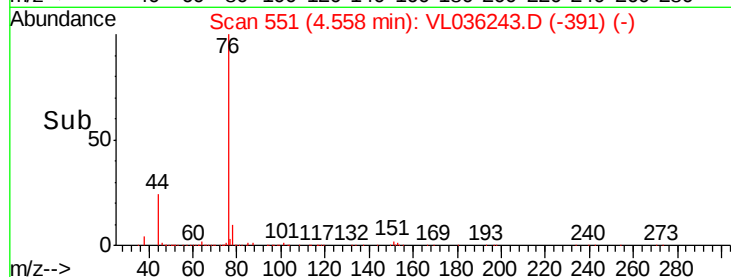
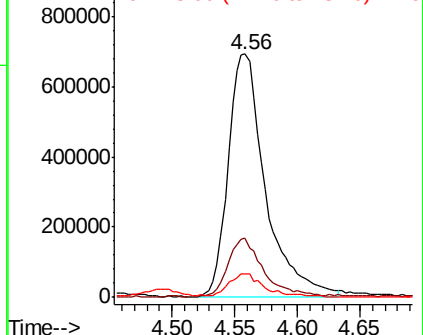
78 10.0 8.0 12.0



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: 10.175 ppbv

RT: 5.04 min Scan# 702

Delta R.T. 0.02 min

Lab File: VL036243.D

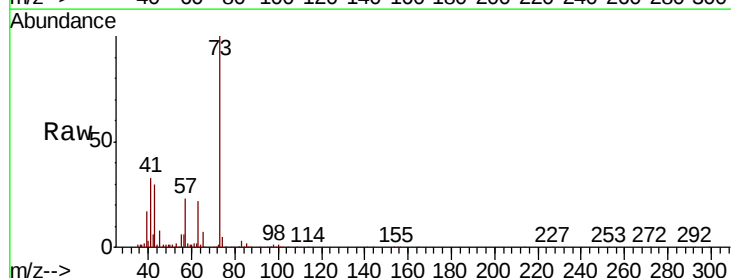
Acq: 20 Jan 2021 9:55

Tgt Ion: 73 Resp: 2033160

Ion	Ratio	Lower	Upper
73	100		
57	23.8	20.4	30.6

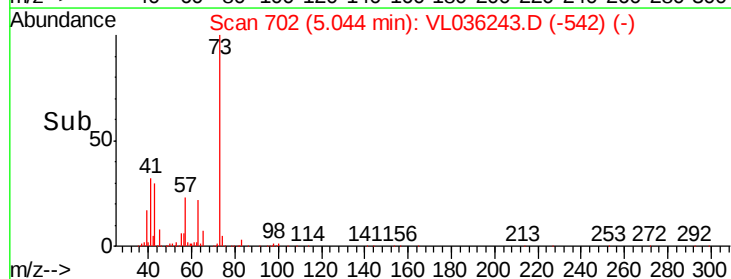
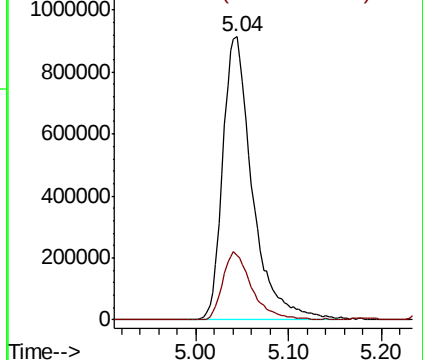
73 100

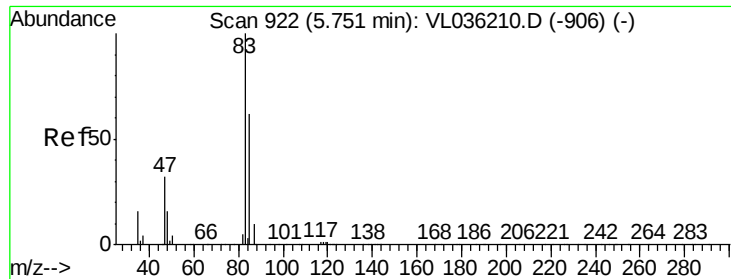
57 23.8 20.4 30.6



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 10.336 ppbv

RT: 5.76 min Scan# 926

Delta R.T. 0.01 min

Lab File: VL036243.D

Acq: 20 Jan 2021 9:55

Instrument :

MSVOA_L

ClientSampleId :

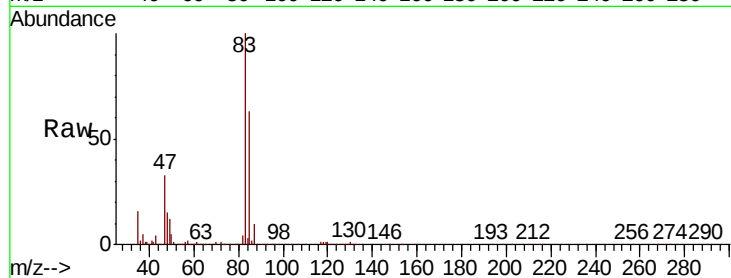
VSTDCCC010

Tot Ion: 83 Resp: 2186831

Ion Ratio Lower Upper

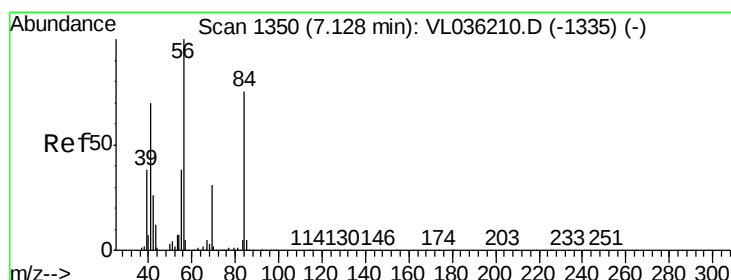
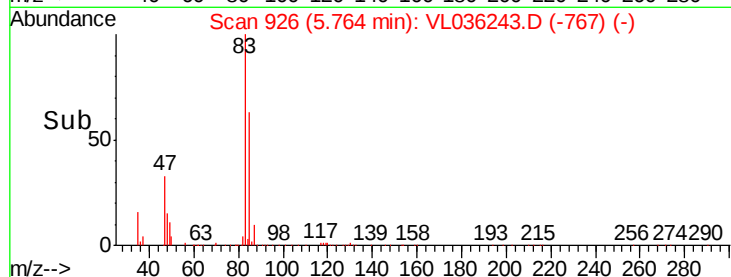
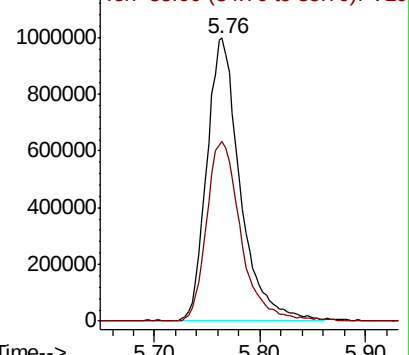
83 100

85 63.2 49.3 73.9



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 10.366 ppbv

RT: 7.14 min Scan# 1354

Delta R.T. 0.01 min

Lab File: VL036243.D

Acq: 20 Jan 2021 9:55

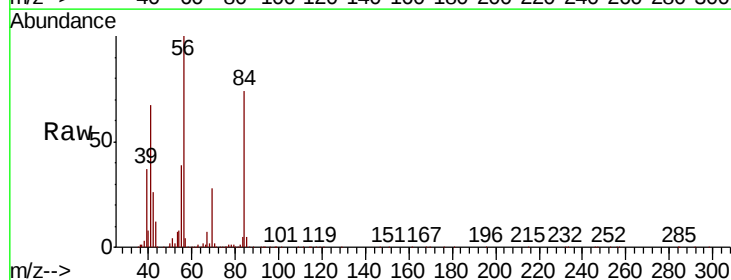
Tgt Ion: 84 Resp: 1170461

Ion Ratio Lower Upper

84 100

56 150.1 119.4 179.0

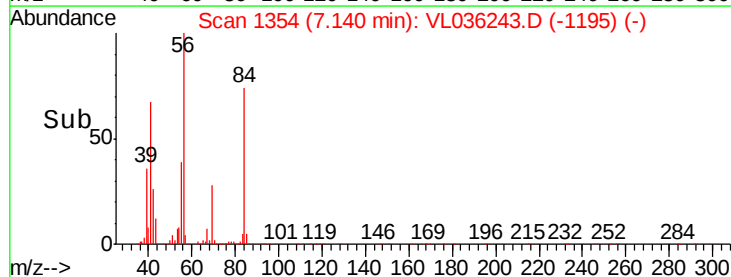
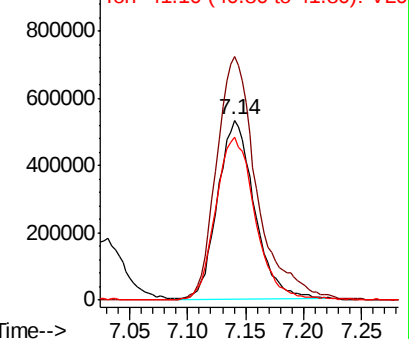
41 97.9 79.4 119.0

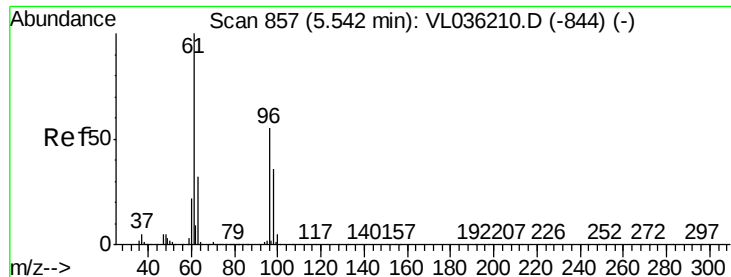


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0



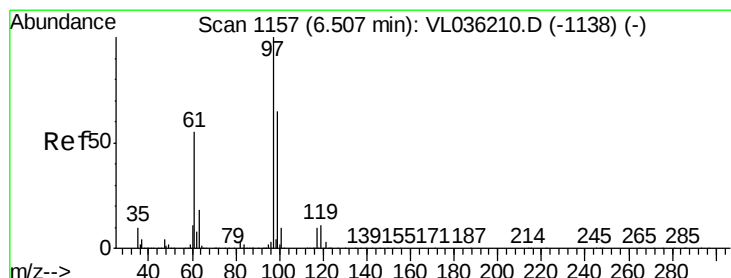
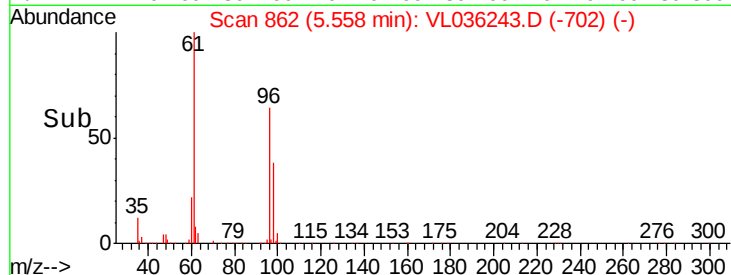
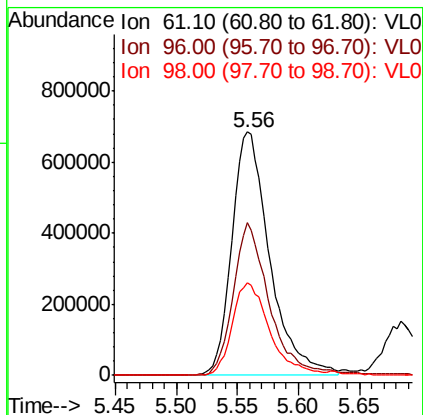
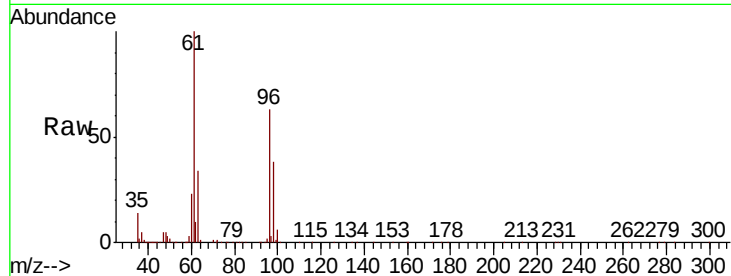


#31

cis-1,2-Dichloroethene
 Concen: 10.457 ppbv
 RT: 5.56 min Scan# 862
 Delta R.T. 0.02 min
 Lab File: VL036243.D
 Acq: 20 Jan 2021 9:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

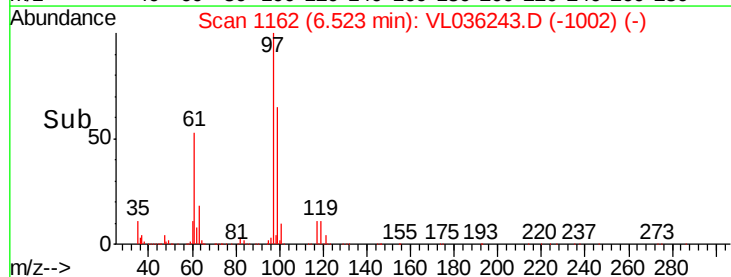
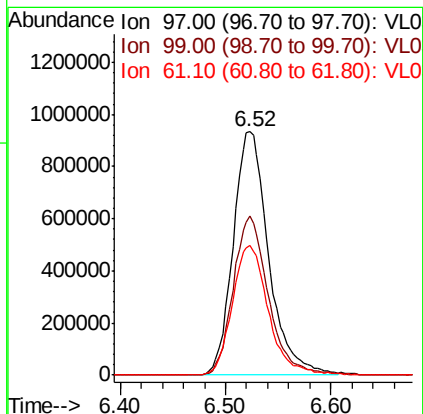
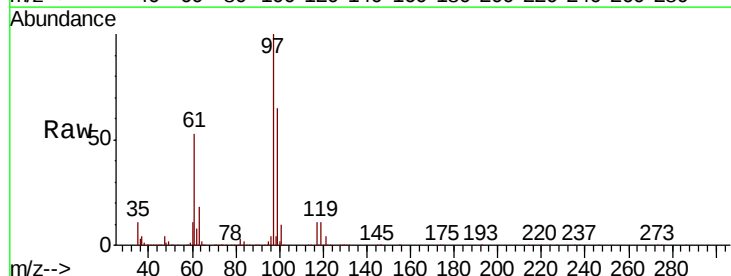
Tot Ion: 61 Resp: 1476763
 Ion Ratio Lower Upper
 61 100
 96 62.4 44.1 66.1
 98 38.0 28.6 42.8

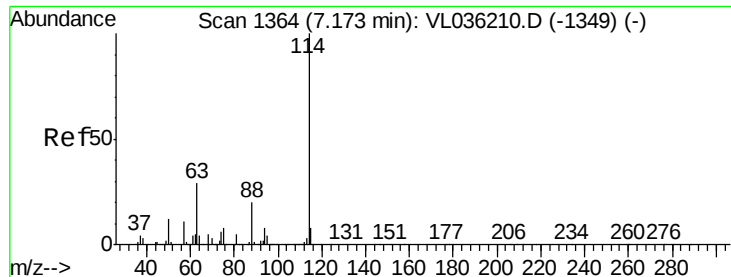


#32

1,1,1-Trichloroethane
 Concen: 10.644 ppbv
 RT: 6.52 min Scan# 1162
 Delta R.T. 0.02 min
 Lab File: VL036243.D
 Acq: 20 Jan 2021 9:55

Tgt Ion: 97 Resp: 2177911
 Ion Ratio Lower Upper
 97 100
 99 64.8 52.0 78.0
 61 54.3 43.6 65.4

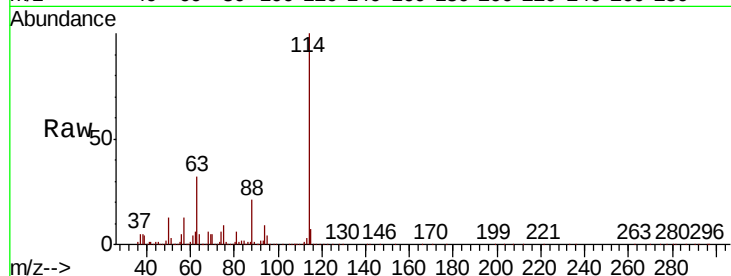




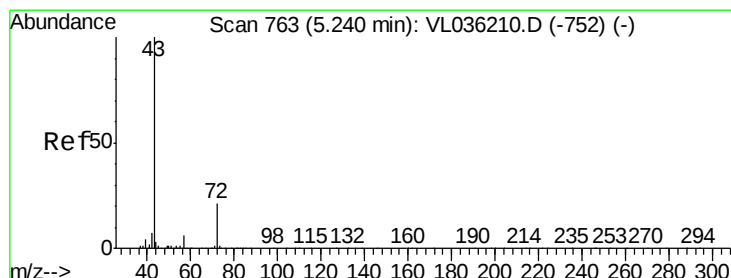
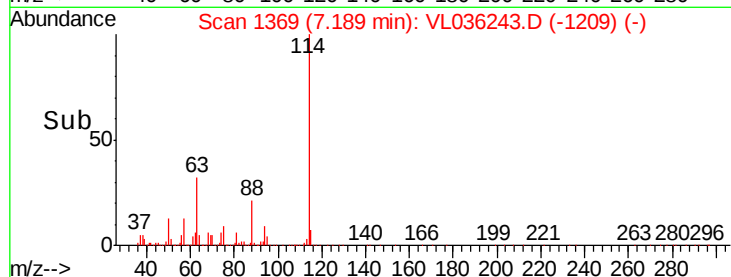
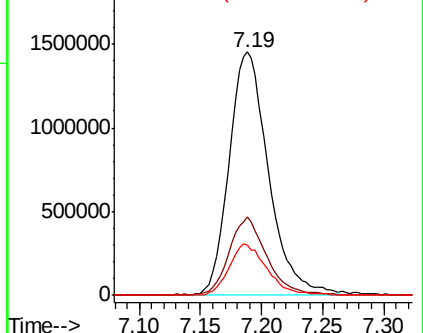
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. 0.02 min
 Lab File: VL036243.D
 Acq: 20 Jan 2021 9:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:114 Resp: 3266822
 Ion Ratio Lower Upper
 114 100
 63 31.1 24.7 37.1
 88 20.5 16.6 24.8

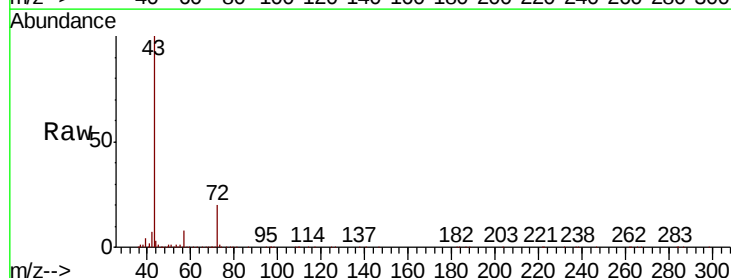


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

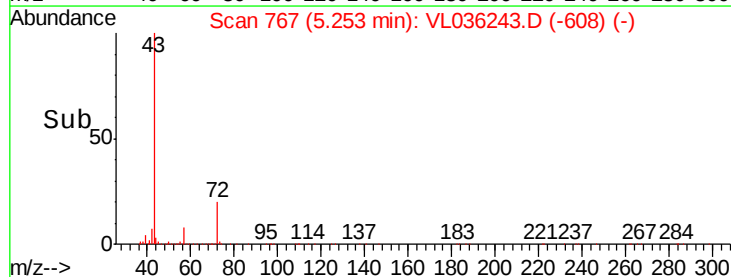
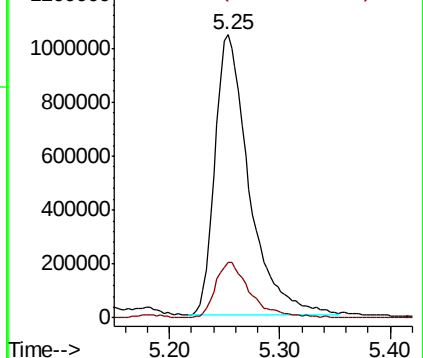


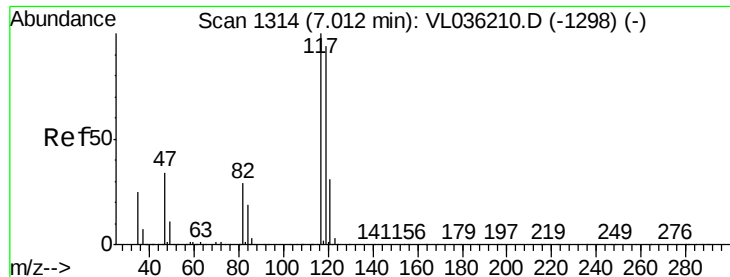
#34
 2-Butanone
 Concen: 9.232 ppbv
 RT: 5.25 min Scan# 767
 Delta R.T. 0.01 min
 Lab File: VL036243.D
 Acq: 20 Jan 2021 9:55

Tgt Ion: 43 Resp: 2220926
 Ion Ratio Lower Upper
 43 100
 72 20.9 16.1 24.1



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





#35

Carbon Tetrachloride

Concen: 10.284 ppbv

RT: 7.03 min Scan# 1320

Delta R.T. 0.02 min

Lab File: VL036243.D

Acq: 20 Jan 2021 9:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

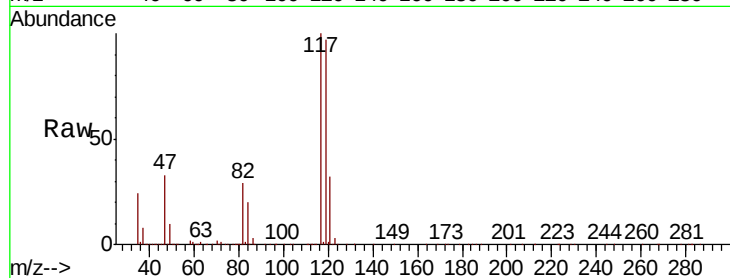
Tot Ion:117 Resp: 2122710

Ion Ratio Lower Upper

117 100

119 96.6 74.9 112.3

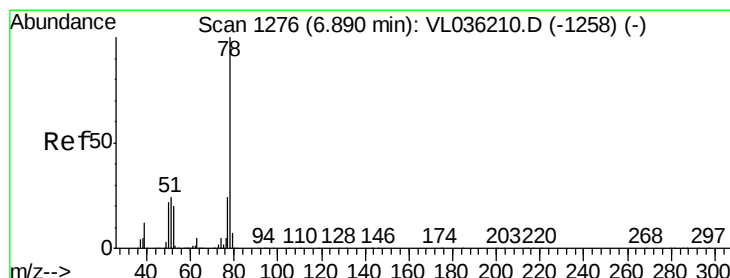
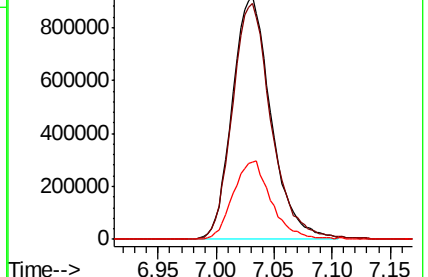
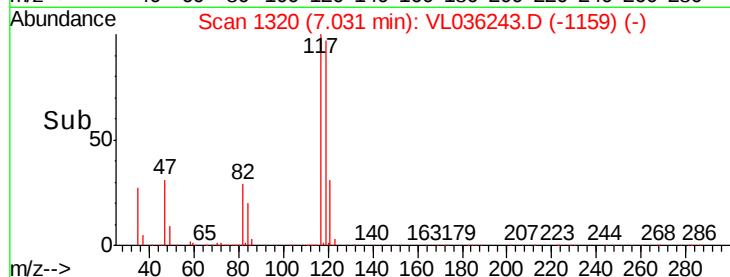
121 31.8 25.0 37.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.678 ppbv

RT: 6.90 min Scan# 1280

Delta R.T. 0.01 min

Lab File: VL036243.D

Acq: 20 Jan 2021 9:55

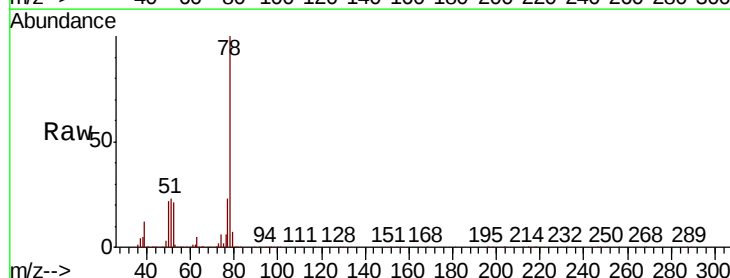
Tgt Ion: 78 Resp: 2896918

Ion Ratio Lower Upper

78 100

77 23.3 19.4 29.0

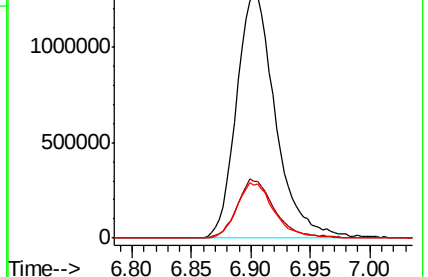
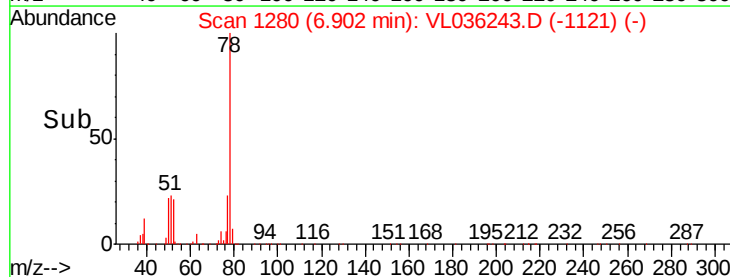
50 21.9 17.4 26.2

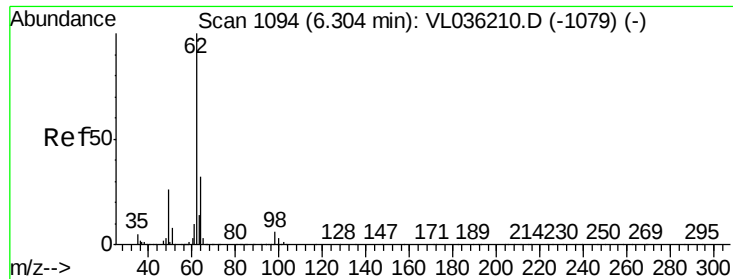


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

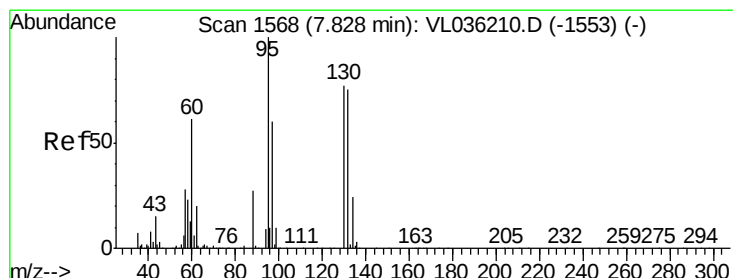
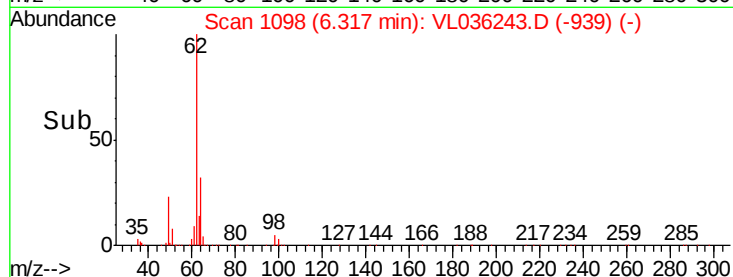
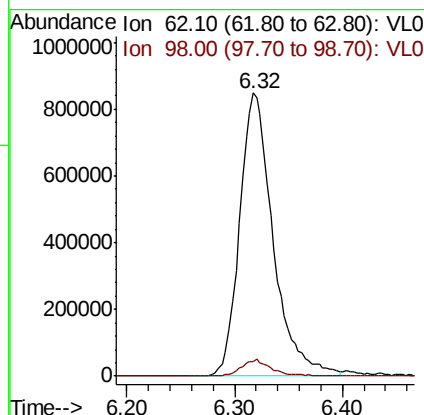
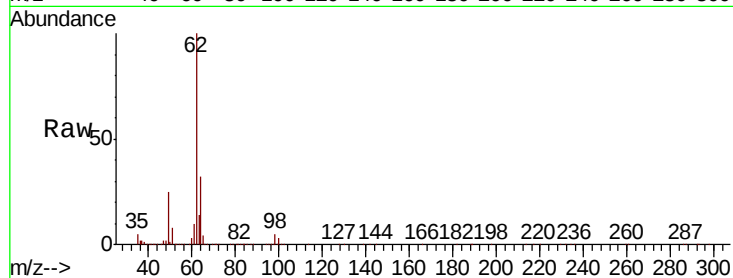




#37
 1,2-Dichloroethane
 Concen: 10.167 ppbv
 RT: 6.32 min Scan# 1098
 Delta R.T. 0.01 min
 Lab File: VL036243.D
 Acq: 20 Jan 2021 9:55

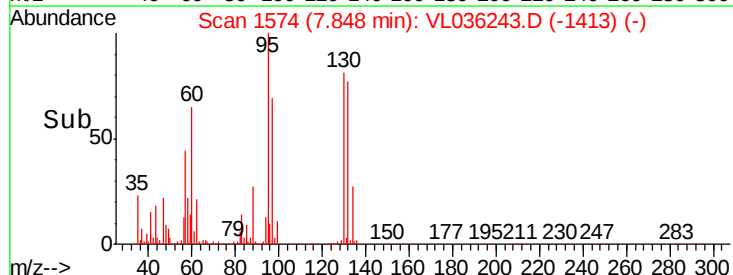
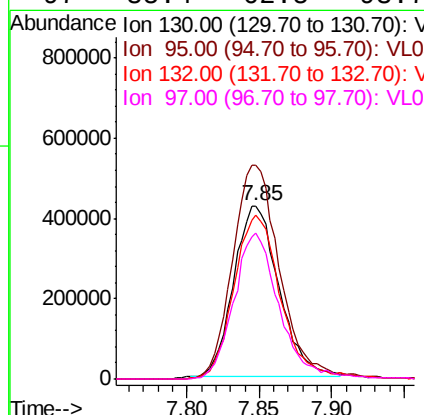
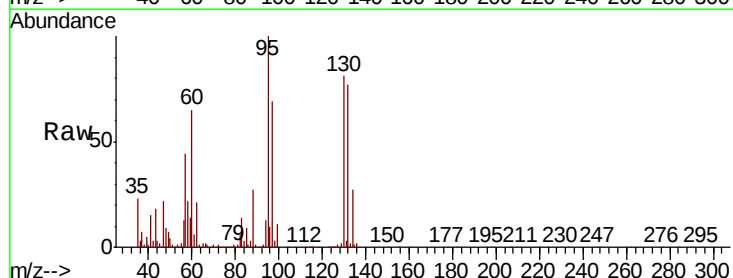
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

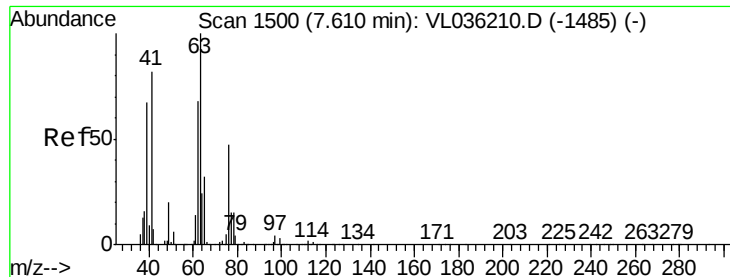
Tot Ion: 62 Resp: 1831237
 Ion Ratio Lower Upper
 62 100
 98 5.5 4.4 6.6



#38
 Trichloroethene
 Concen: 8.346 ppbv
 RT: 7.85 min Scan# 1574
 Delta R.T. 0.02 min
 Lab File: VL036243.D
 Acq: 20 Jan 2021 9:55

Tgt Ion: 130 Resp: 925246
 Ion Ratio Lower Upper
 130 100
 95 124.4 103.9 155.9
 132 95.5 77.4 116.2
 97 85.4 62.5 93.7





#39

1,2-Dichloropropane

Concen: 9.923 ppbv

RT: 7.62 min Scan# 1504

Delta R.T. 0.01 min

Lab File: VL036243.D

Acq: 20 Jan 2021 9:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

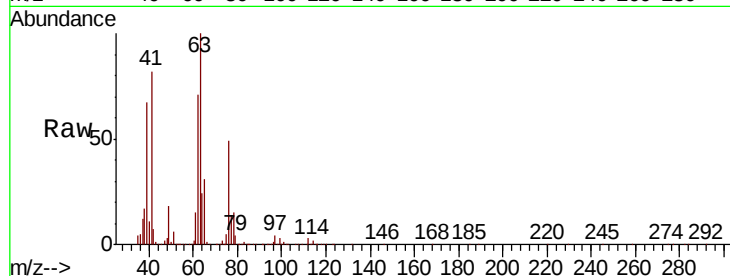
Tot Ion: 63 Resp: 1206024

Ion Ratio Lower Upper

63 100

41 81.5 66.1 99.1

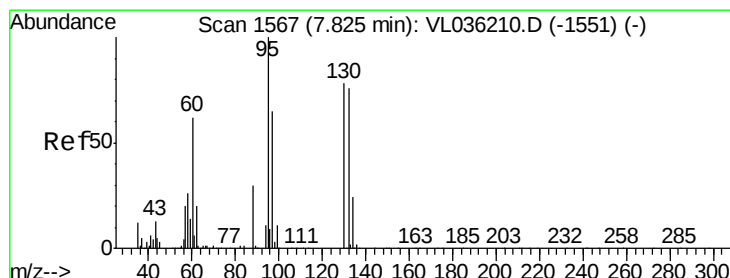
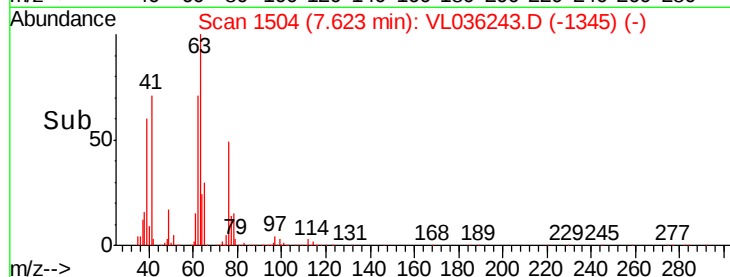
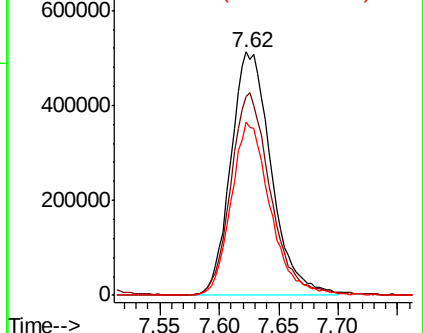
62 71.0 54.8 82.2



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: 3.290 ppbv

RT: 7.84 min Scan# 1571

Delta R.T. 0.01 min

Lab File: VL036243.D

Acq: 20 Jan 2021 9:55

Tgt Ion: 88 Resp: 144658

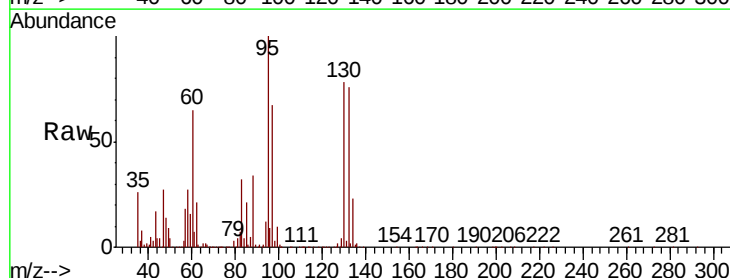
Ion Ratio Lower Upper

88 100

58 0.0 123.0 184.6#

43 0.0 0.0 0.0

57 0.0 0.0 0.0

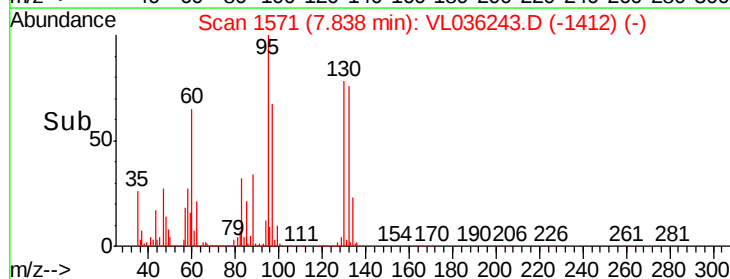
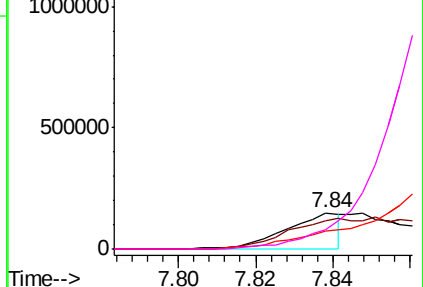


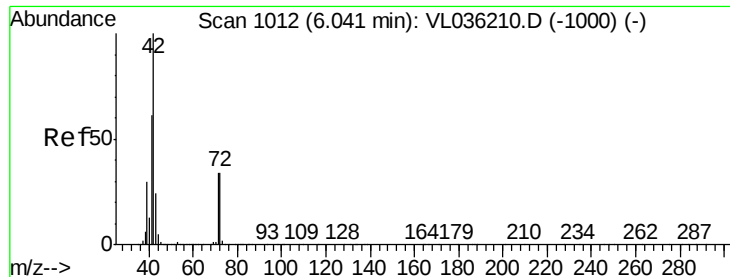
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 9.633 ppbv

RT: 6.06 min Scan# 1018

Delta R.T. 0.02 min

Lab File: VL036243.D

Acq: 20 Jan 2021 9:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

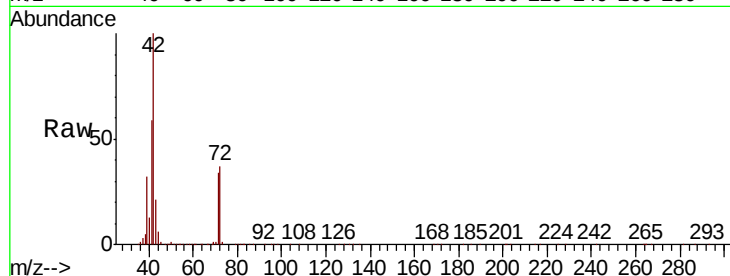
Tot Ion: 42 Resp: 1339255

Ion Ratio Lower Upper

42 100

72 36.1 29.5 44.3

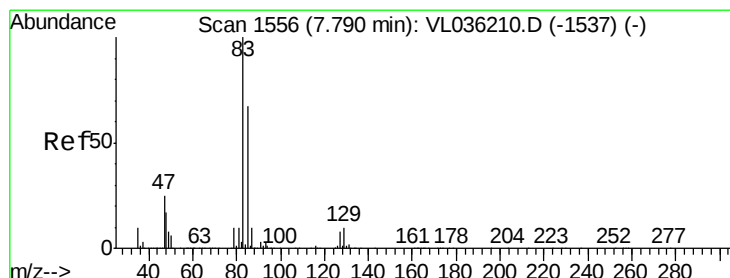
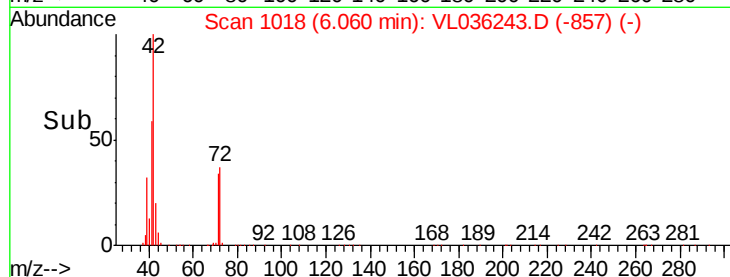
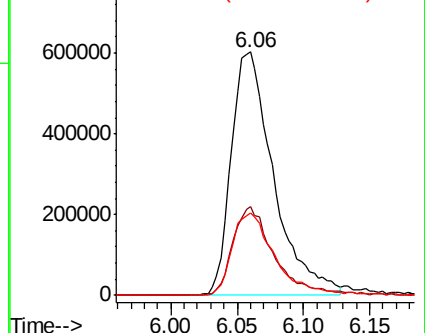
71 34.8 29.1 43.7



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: 10.438 ppbv

RT: 7.81 min Scan# 1561

Delta R.T. 0.02 min

Lab File: VL036243.D

Acq: 20 Jan 2021 9:55

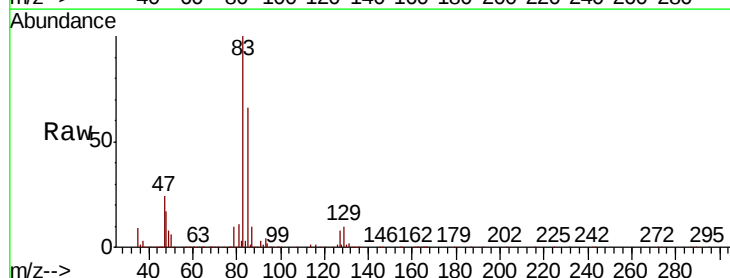
Tgt Ion: 83 Resp: 2363154

Ion Ratio Lower Upper

83 100

85 66.1 53.4 80.2

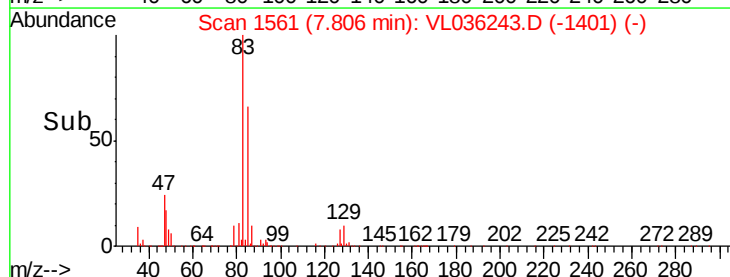
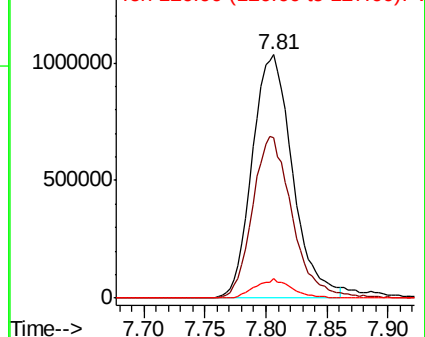
127 8.1 6.2 9.2

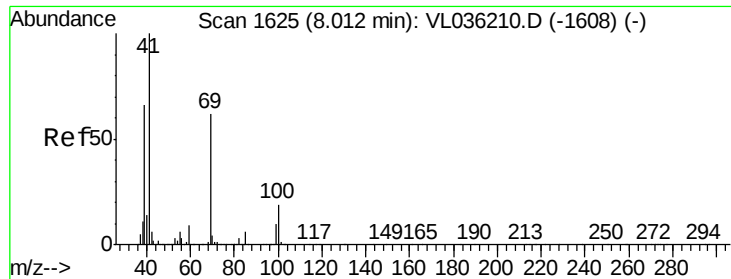


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): VL0

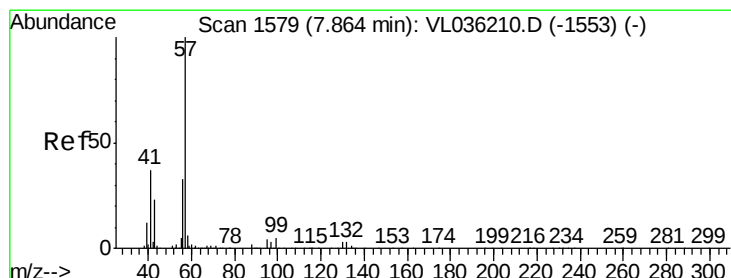
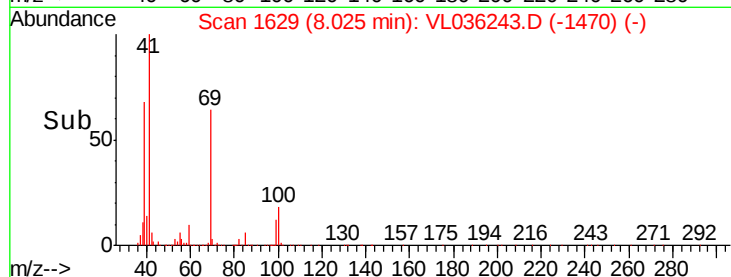
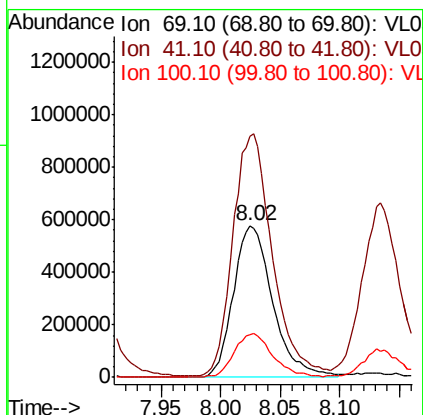
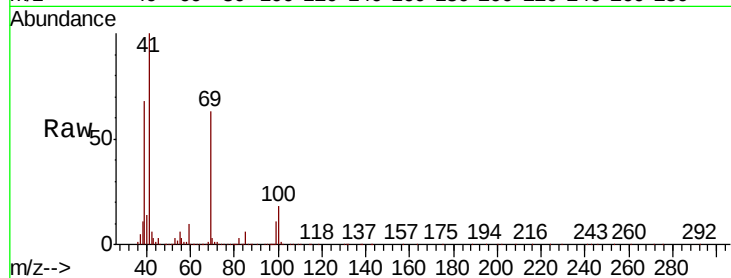




#43
Methvl Methacrylate
Concen: 10.354 ppbv
RT: 8.02 min Scan# 1629
Delta R.T. 0.01 min
Lab File: VL036243.D
Acq: 20 Jan 2021 9:55

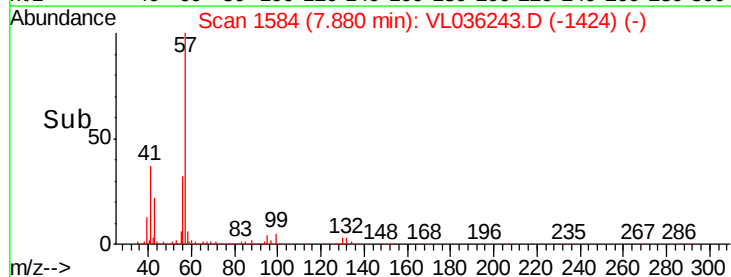
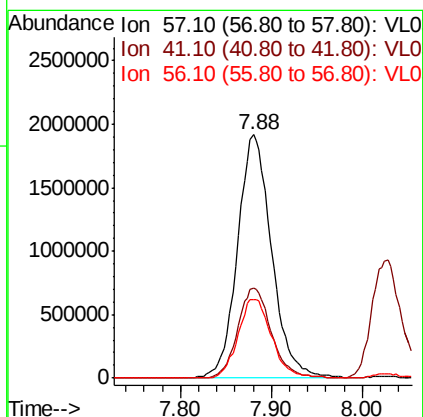
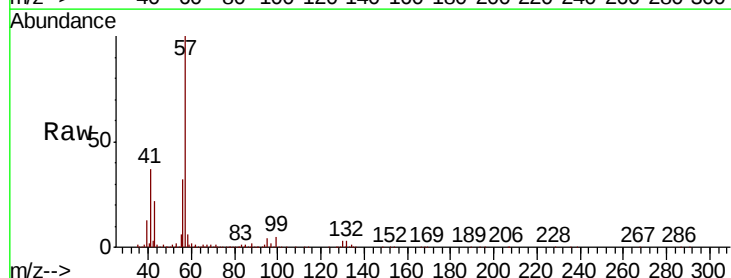
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

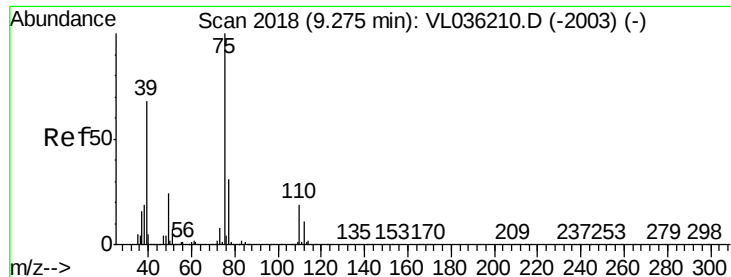
Tot Ion: 69 Resp: 1317057
Ion Ratio Lower Upper
69 100
41 161.8 133.4 200.2
100 28.7 24.3 36.5



#44
2,2,4-Trimethylpentane
Concen: 9.067 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. 0.02 min
Lab File: VL036243.D
Acq: 20 Jan 2021 9:55

Tgt Ion: 57 Resp: 4985079
Ion Ratio Lower Upper
57 100
41 36.4 28.5 42.7
56 32.0 25.5 38.3





#45

t-1,3-Dichloropropene

Concen: 11.875 ppbv

RT: 9.29 min Scan# 2022

Delta R.T. 0.01 min

Lab File: VL036243.D

Acq: 20 Jan 2021 9:55

Instrument :

MSVOA_L

ClientSampleId :

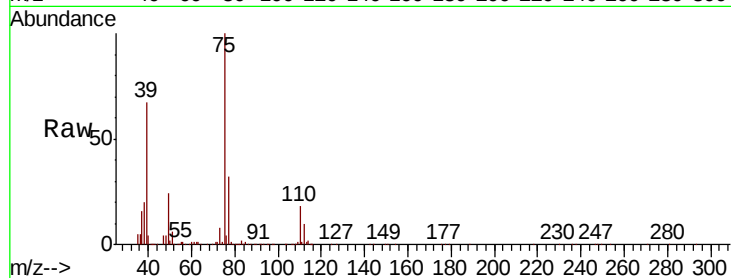
VSTDCCC010

Tot Ion: 75 Resp: 1434805

Ion Ratio Lower Upper

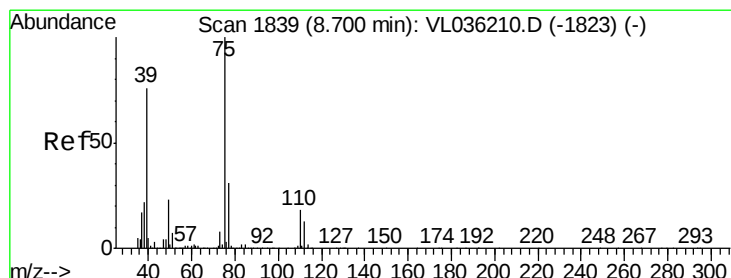
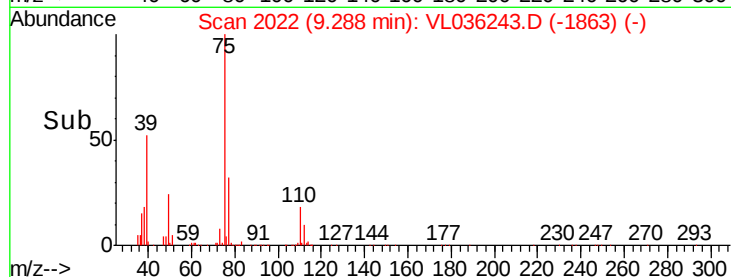
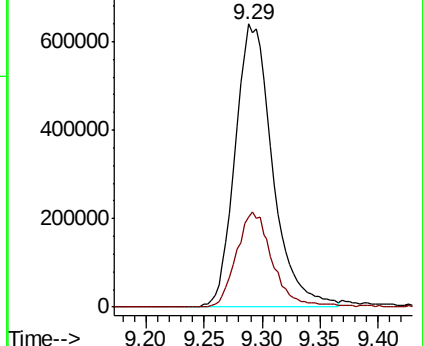
75 100

77 32.0 24.7 37.1



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 11.036 ppbv

RT: 8.72 min Scan# 1844

Delta R.T. 0.02 min

Lab File: VL036243.D

Acq: 20 Jan 2021 9:55

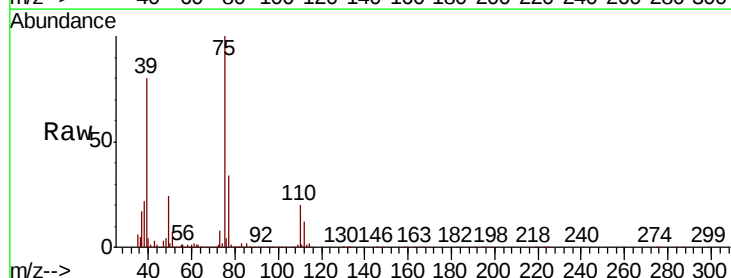
Tgt Ion: 75 Resp: 1713500

Ion Ratio Lower Upper

75 100

39 79.1 61.2 91.8

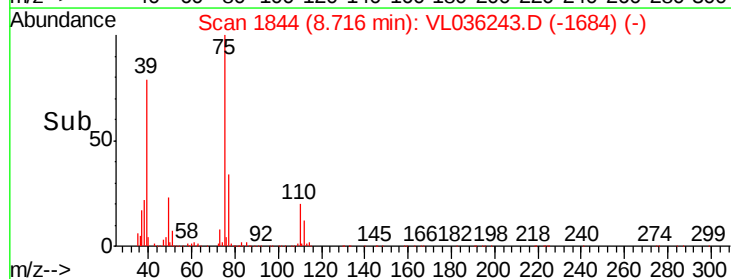
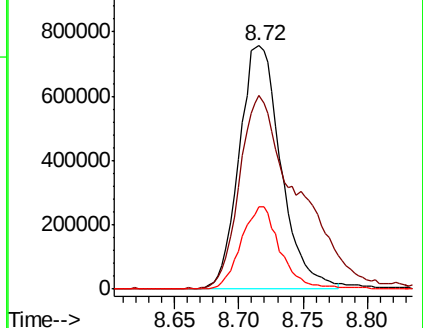
77 33.9 24.6 37.0

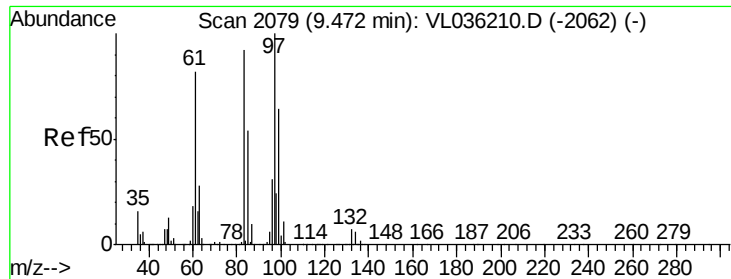


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0



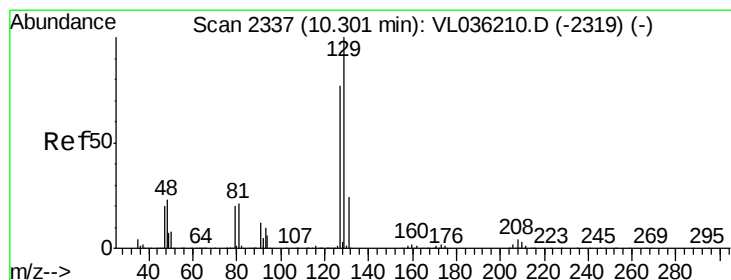
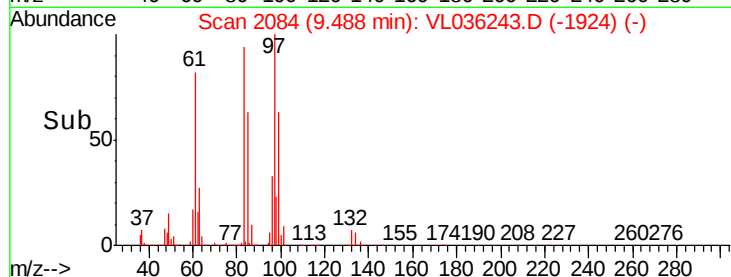
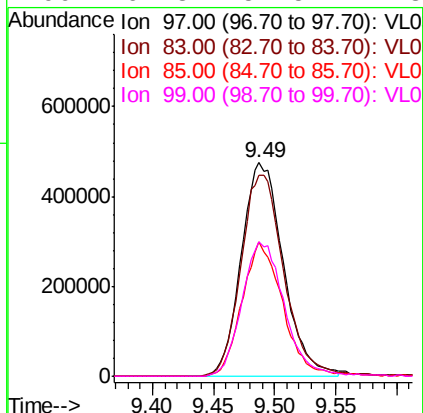
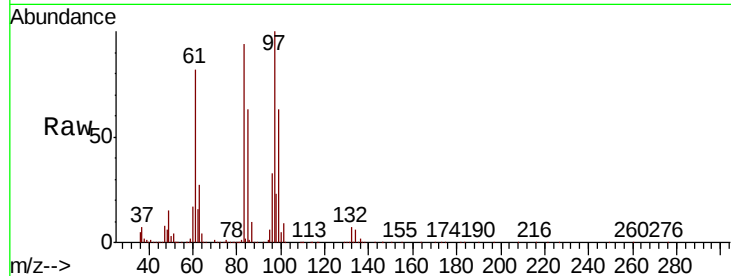


#47
 1,1,2-Trichloroethane
 Concen: 9.727 ppbv
 RT: 9.49 min Scan# 2084
 Delta R.T. 0.02 min
 Lab File: VL036243.D
 Acq: 20 Jan 2021 9:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 97 Resp: 1130940

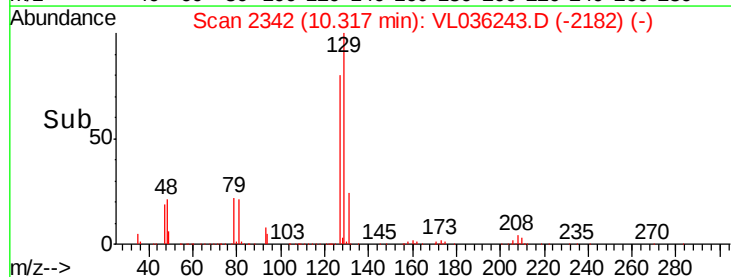
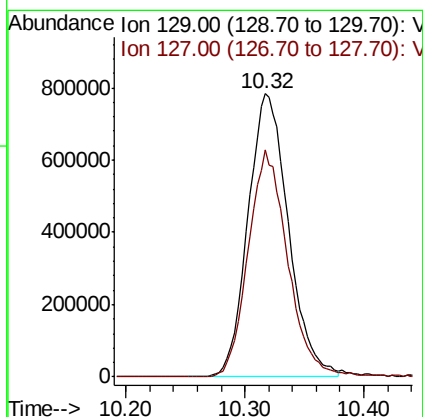
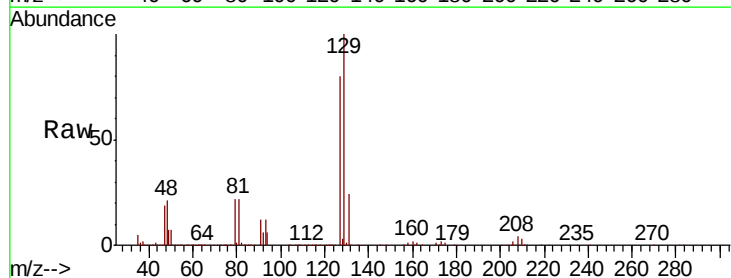
Ion	Ratio	Lower	Upper
97	100		
83	93.8	73.3	109.9
85	62.9	43.2	64.8
99	62.8	51.5	77.3

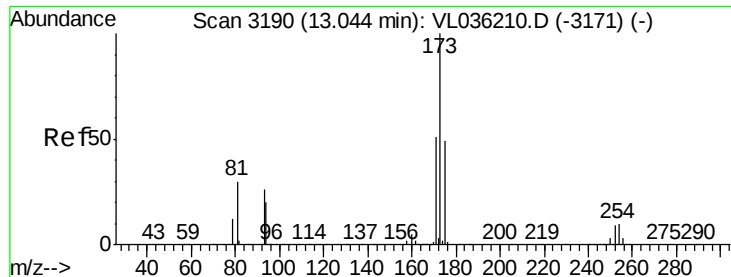


#48
 Dibromochloromethane
 Concen: 10.835 ppbv
 RT: 10.32 min Scan# 2342
 Delta R.T. 0.02 min
 Lab File: VL036243.D
 Acq: 20 Jan 2021 9:55

Tgt Ion: 129 Resp: 1843055

Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.6	118.8





#49

Bromoform

Concen: 10.764 ppbv

RT: 13.06 min Scan# 3194

Delta R.T. 0.01 min

Lab File: VL036243.D

Acq: 20 Jan 2021 9:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

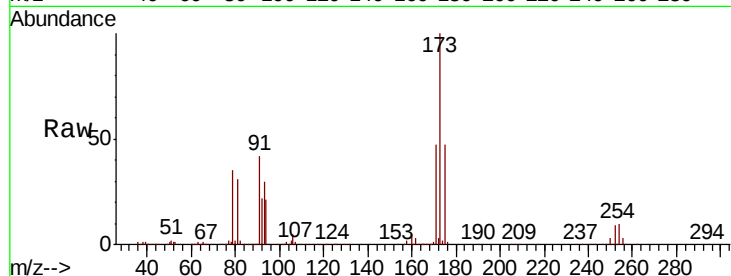
Tot Ion:173 Resp: 1528343

Ion Ratio Lower Upper

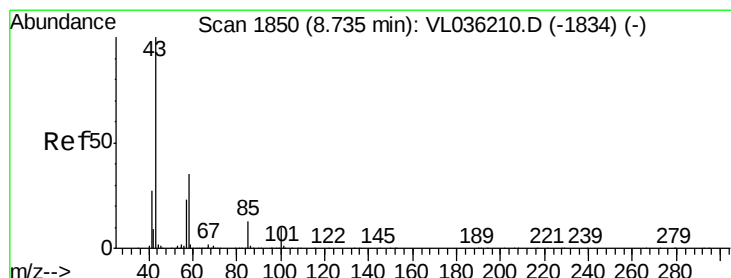
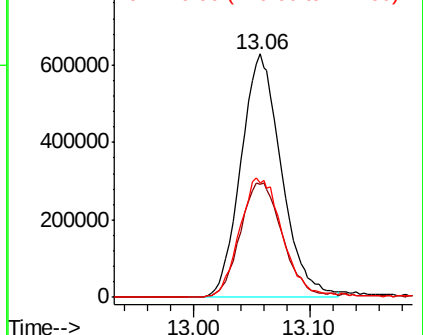
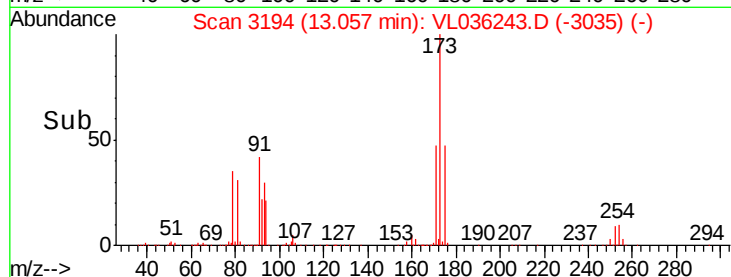
173 100

175 50.3 40.7 61.1

171 52.3 43.0 64.6



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: 9.533 ppbv

RT: 8.75 min Scan# 1856

Delta R.T. 0.02 min

Lab File: VL036243.D

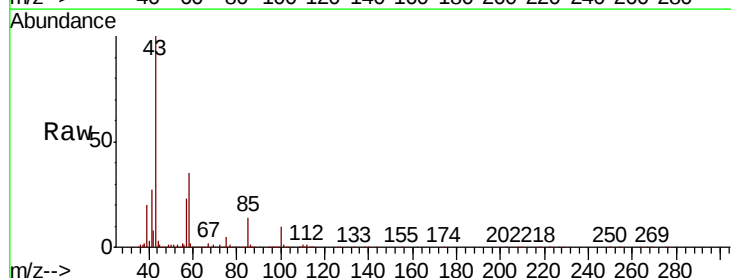
Acq: 20 Jan 2021 9:55

Tgt Ion: 43 Resp: 3419700

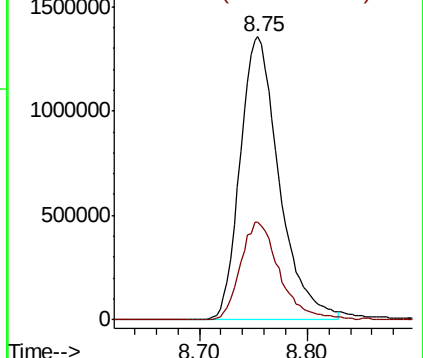
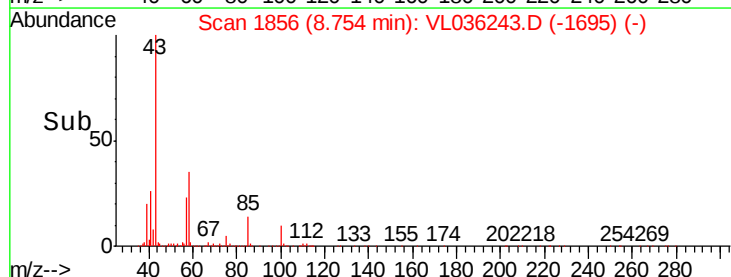
Ion Ratio Lower Upper

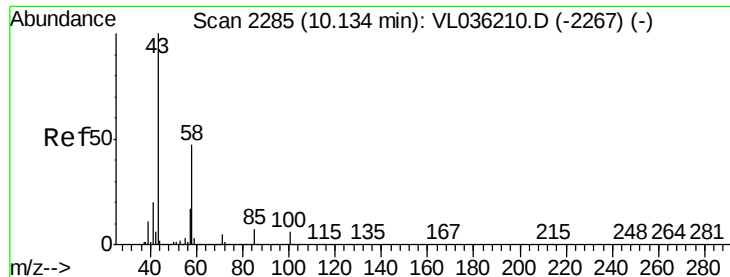
43 100

58 34.8 27.6 41.4



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.232 ppbv

RT: 10.14 min Scan# 2288

Delta R.T. 0.01 min

Lab File: VL036243.D

Acq: 20 Jan 2021 9:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

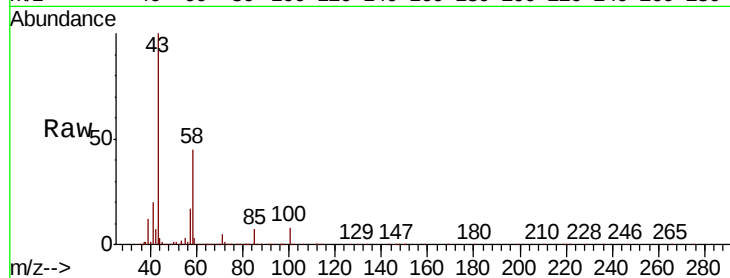
Tot Ion: 43 Resp: 2895430

Ion Ratio Lower Upper

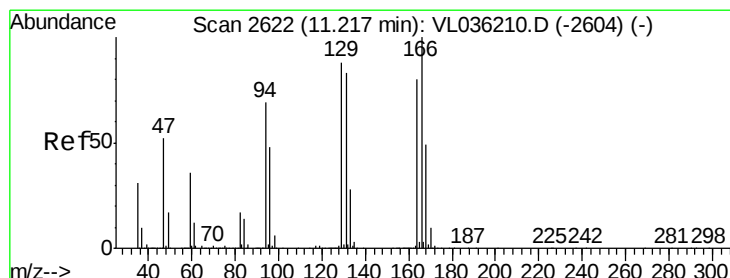
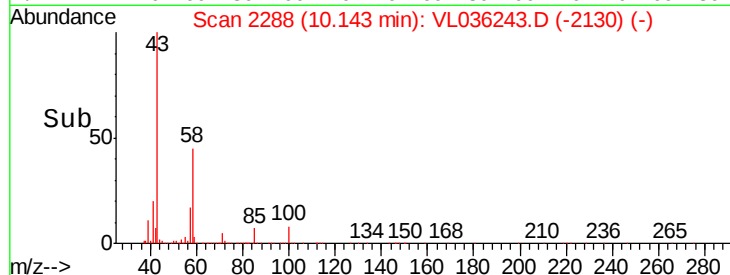
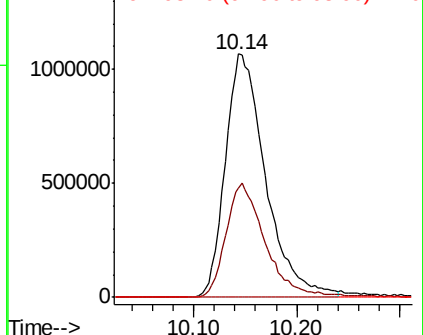
43 100

58 46.3 37.4 56.0

98 0.2 0.2 0.2



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: 8.203 ppbv

RT: 11.24 min Scan# 2628

Delta R.T. 0.02 min

Lab File: VL036243.D

Acq: 20 Jan 2021 9:55

Tgt Ion: 164 Resp: 904852

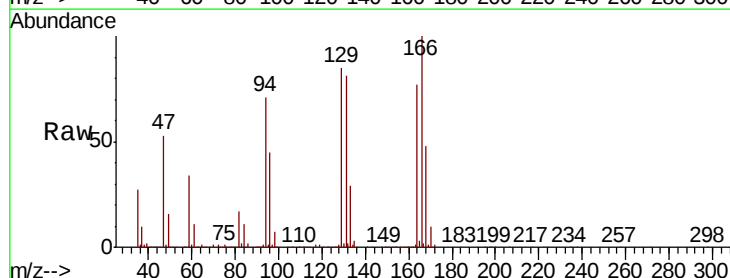
Ion Ratio Lower Upper

164 100

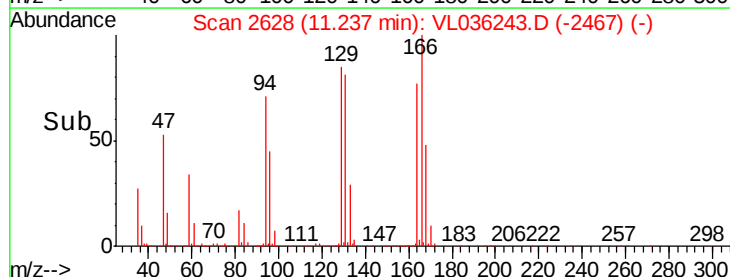
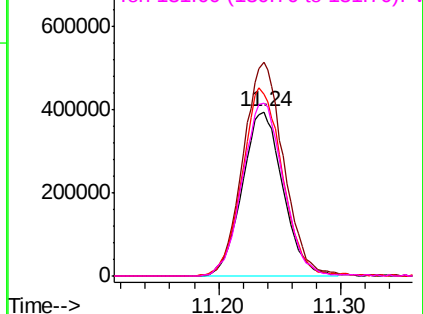
166 130.1 99.9 149.9

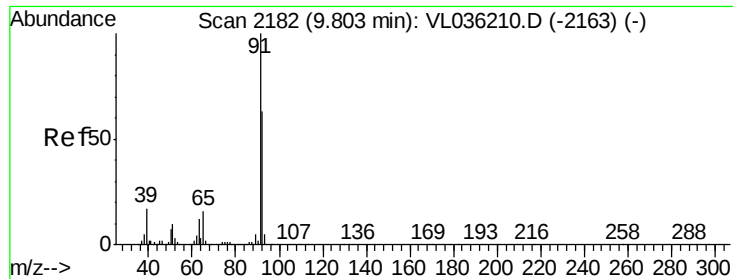
129 110.6 88.2 132.4

131 105.3 83.0 124.6



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: 9.658 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. 0.02 min

Lab File: VL036243.D

Acq: 20 Jan 2021 9:55

Instrument :

MSVOA_L

ClientSampleId :

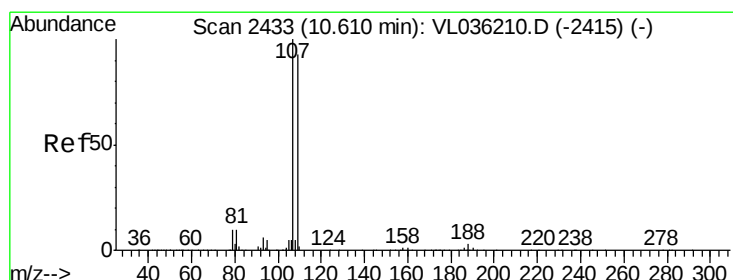
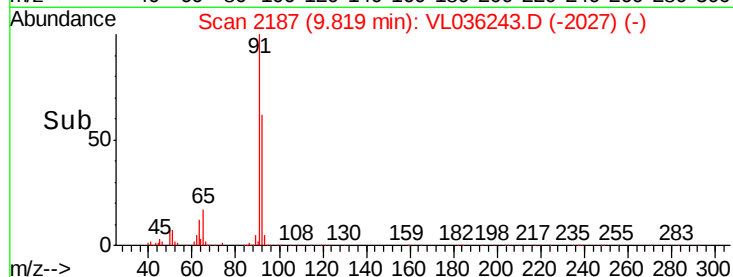
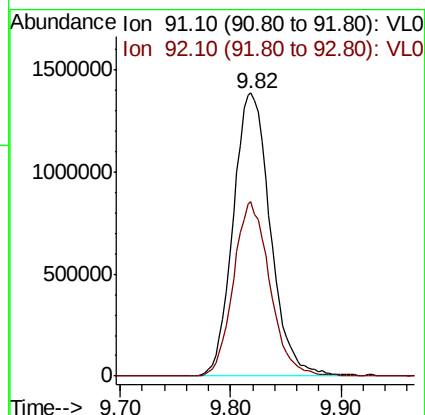
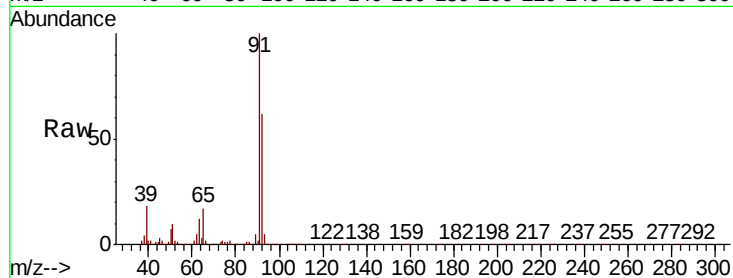
VSTDCCC010

Tot Ion: 91 Resp: 3233816

Ion Ratio Lower Upper

91 100

92 60.9 48.5 72.7



#54

1,2-Dibromoethane

Concen: 9.857 ppbv

RT: 10.63 min Scan# 2438

Delta R.T. 0.02 min

Lab File: VL036243.D

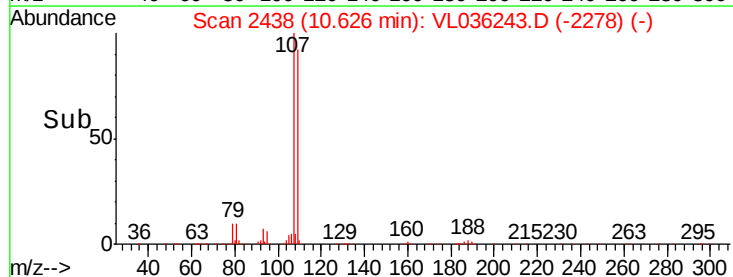
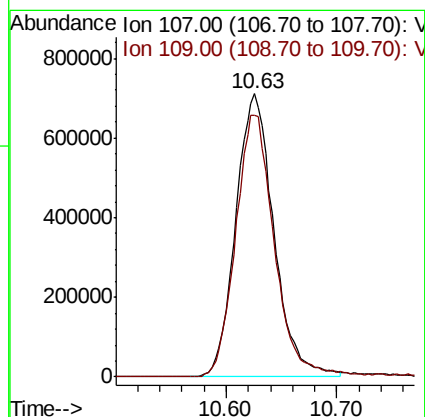
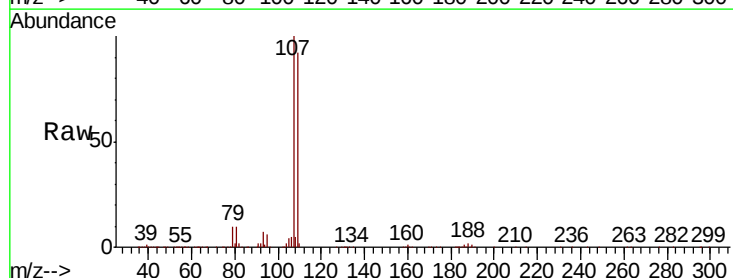
Acq: 20 Jan 2021 9:55

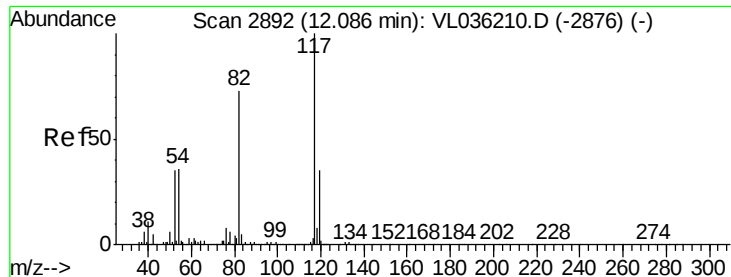
Tgt Ion: 107 Resp: 1698840

Ion Ratio Lower Upper

107 100

109 92.3 74.5 111.7

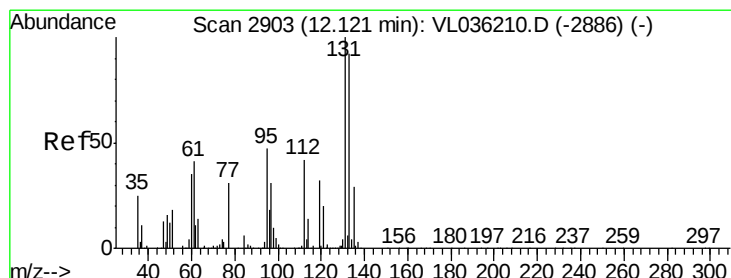
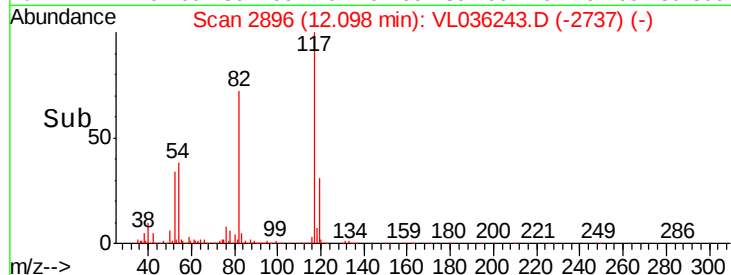
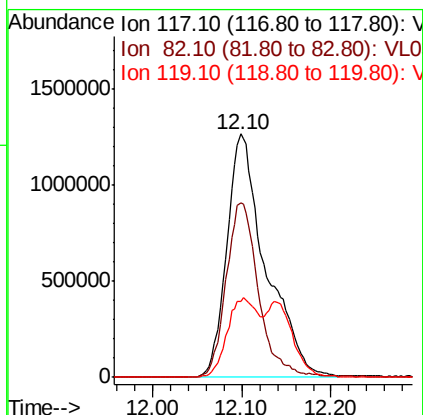
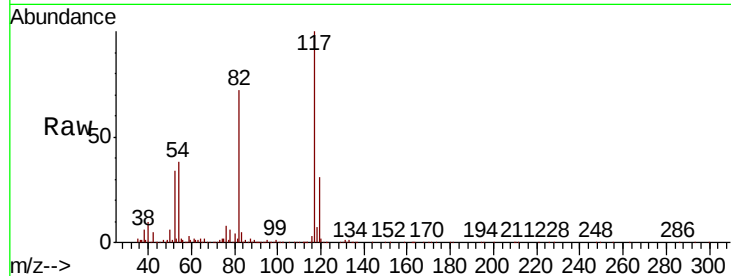




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2896
Delta R.T. 0.01 min
Lab File: VL036243.D
Acq: 20 Jan 2021 9:55

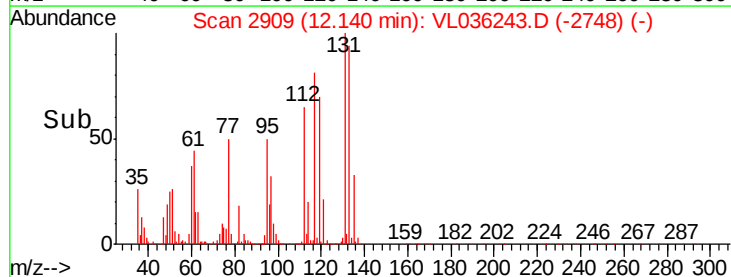
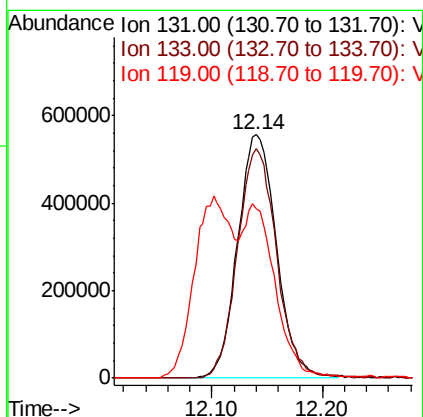
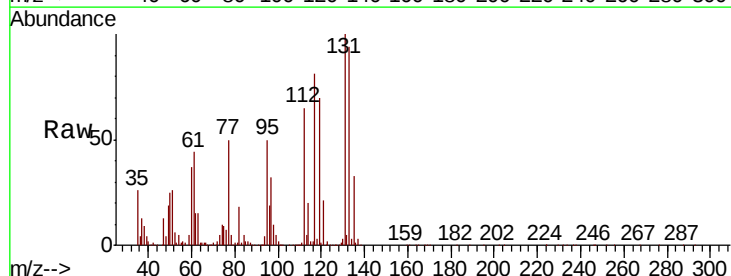
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

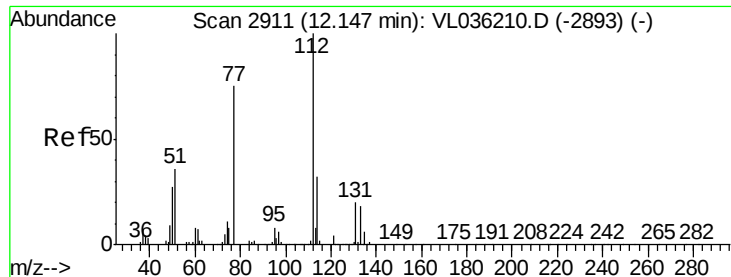
Tot Ion:117 Resp: 3841187
Ion Ratio Lower Upper
117 100
82 59.7 59.7 89.5#
119 26.7 28.6 43.0#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.920 ppbv
RT: 12.14 min Scan# 2909
Delta R.T. 0.02 min
Lab File: VL036243.D
Acq: 20 Jan 2021 9:55

Tgt Ion:131 Resp: 1357650
Ion Ratio Lower Upper
131 100
133 95.1 76.5 114.7
119 59.0 45.4 68.0

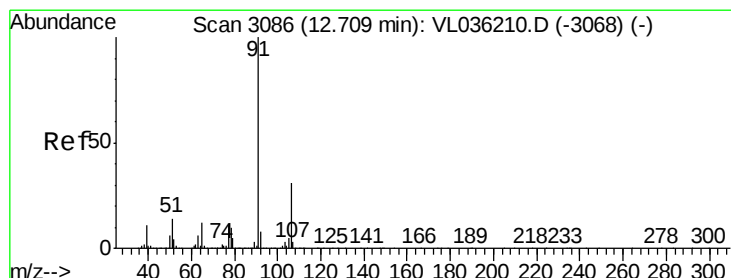
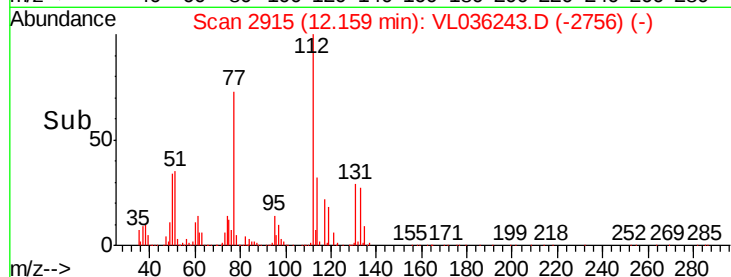
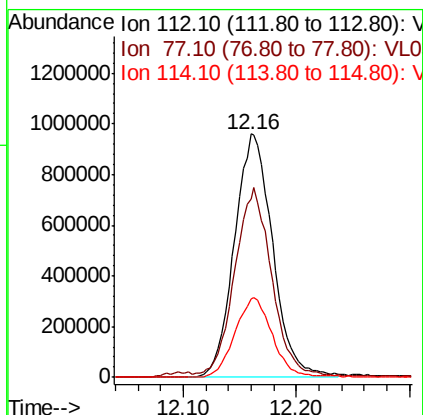
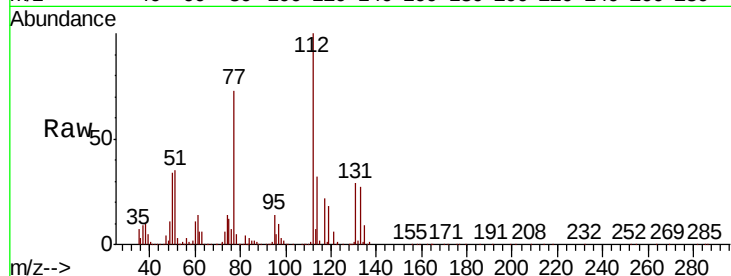




#57
Chlorobenzene
Concen: 7.490 ppbv
RT: 12.16 min Scan# 2915
Delta R.T. 0.01 min
Lab File: VL036243.D
Acq: 20 Jan 2021 9:55

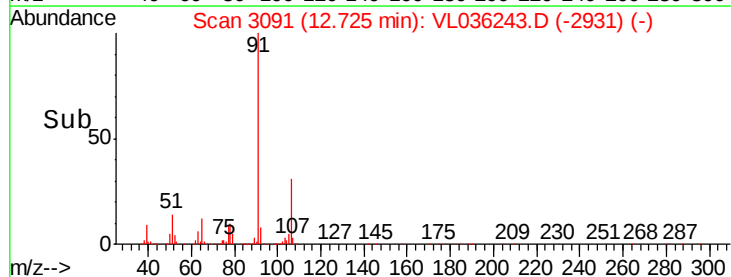
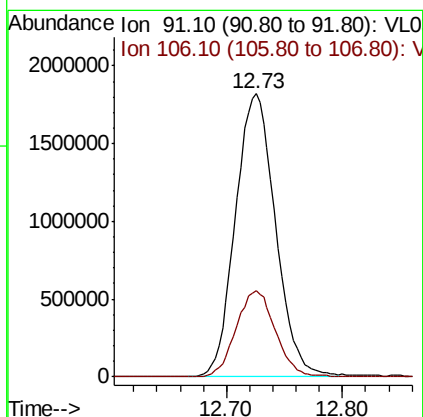
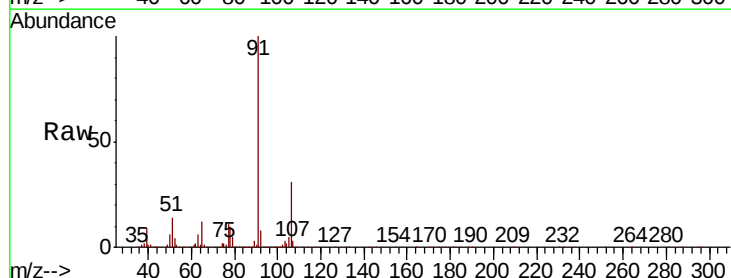
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

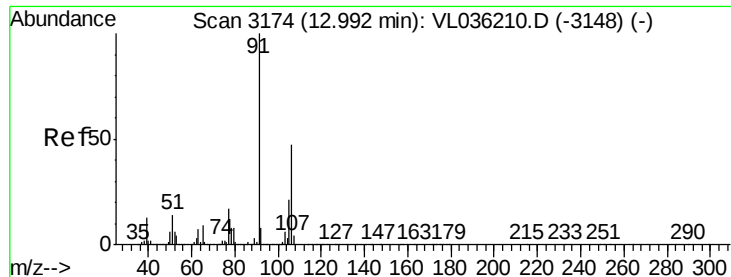
Tot Ion:112 Resp: 2257200
Ion Ratio Lower Upper
112 100
77 71.9 59.6 89.4
114 32.1 28.7 35.1



#58
Ethyl Benzene
Concen: 7.677 ppbv
RT: 12.73 min Scan# 3091
Delta R.T. 0.02 min
Lab File: VL036243.D
Acq: 20 Jan 2021 9:55

Tgt Ion: 91 Resp: 4376015
Ion Ratio Lower Upper
91 100
106 30.5 24.8 37.2

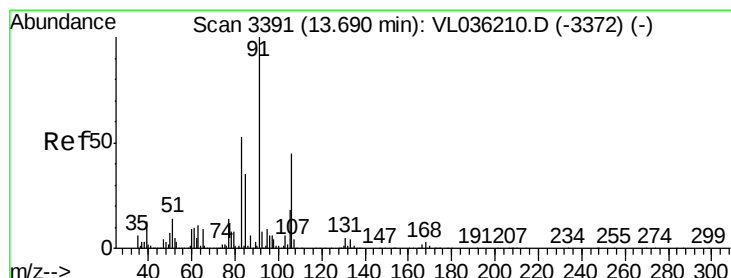
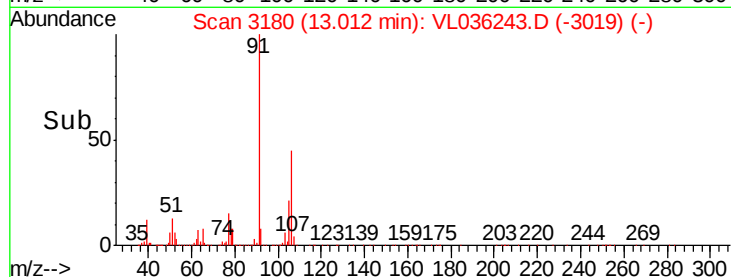
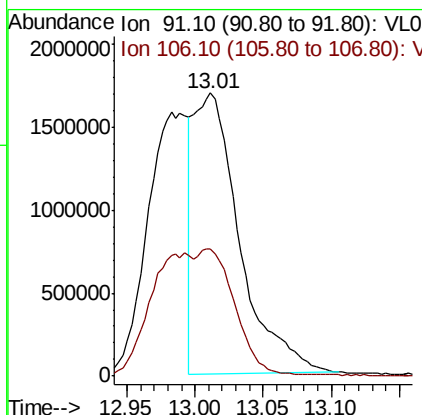
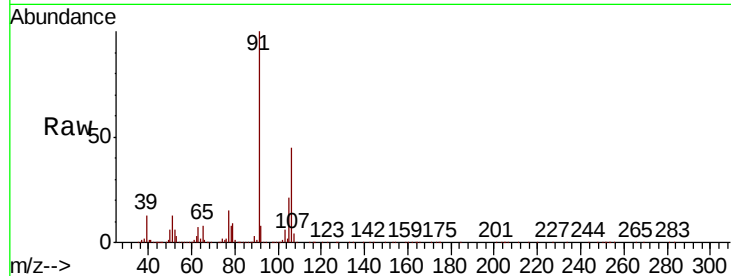




#59
m/p-Xylene
Concen: 8.029 ppbv
RT: 13.01 min Scan# 3180
Delta R.T. 0.02 min
Lab File: VL036243.D
Acq: 20 Jan 2021 9:55

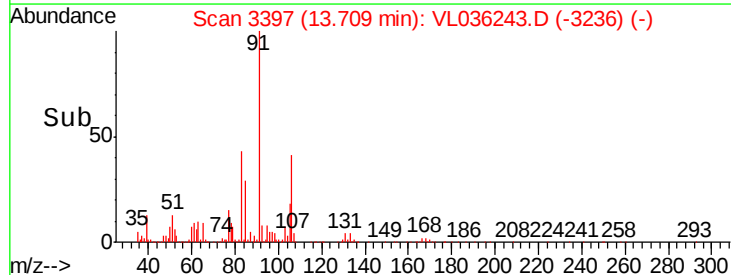
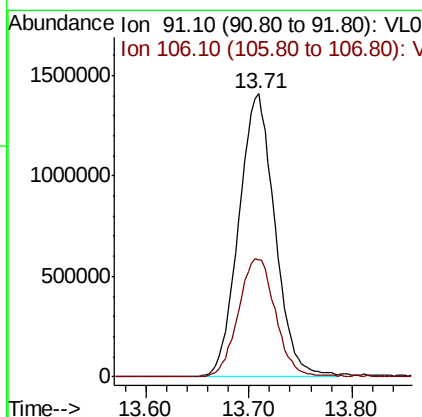
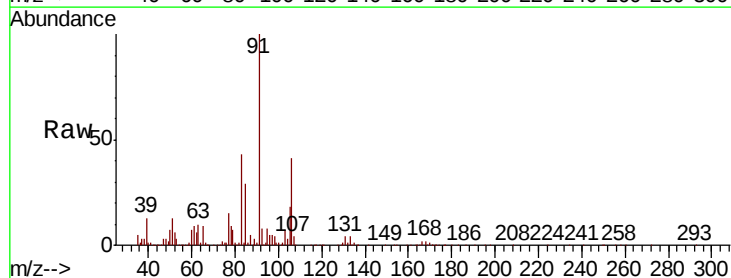
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

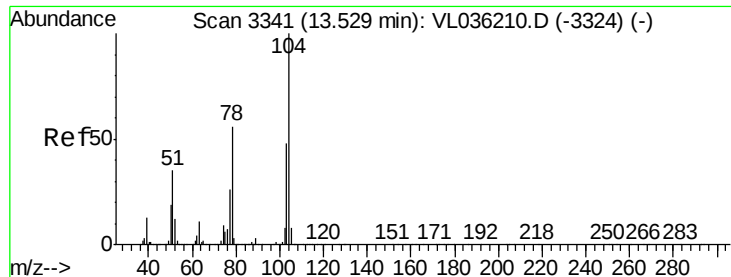
Tot Ion: 91 Resp: 3932680
Ion Ratio Lower Upper
91 100
106 79.5 34.6 51.8#



#60
o-Xylene
Concen: 7.243 ppbv
RT: 13.71 min Scan# 3397
Delta R.T. 0.02 min
Lab File: VL036243.D
Acq: 20 Jan 2021 9:55

Tgt Ion: 91 Resp: 3419569
Ion Ratio Lower Upper
91 100
106 43.6 21.9 65.8





#61

Stvrene

Concen: 8.209 ppbv

RT: 13.54 min Scan# 3345

Delta R.T. 0.01 min

Lab File: VL036243.D

Acq: 20 Jan 2021 9:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

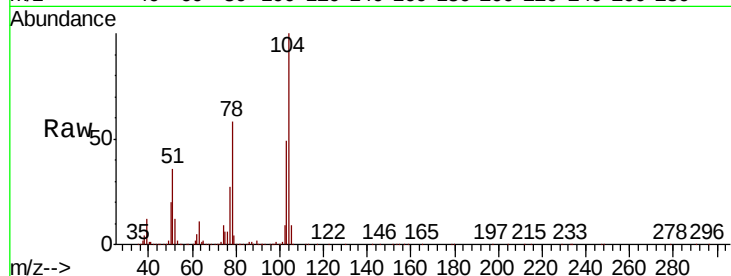
Tot Ion:104 Resp: 2447358

Ion Ratio Lower Upper

104 100

78 59.0 46.8 70.2

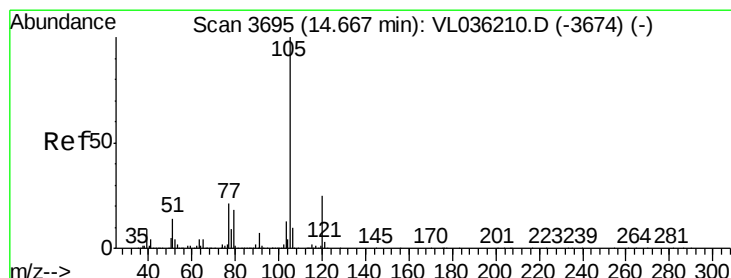
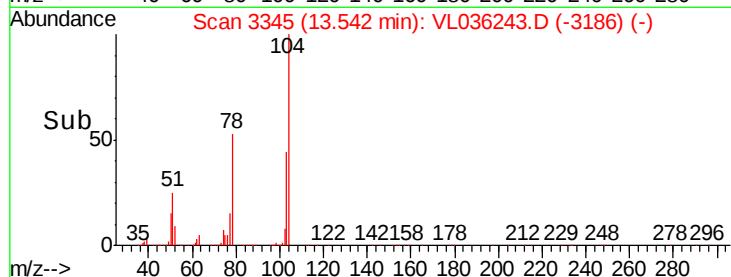
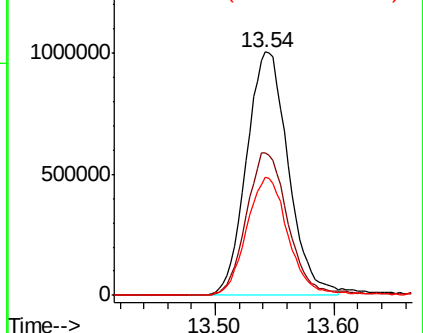
103 48.4 38.4 57.6



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: 7.355 ppbv

RT: 14.68 min Scan# 3700

Delta R.T. 0.02 min

Lab File: VL036243.D

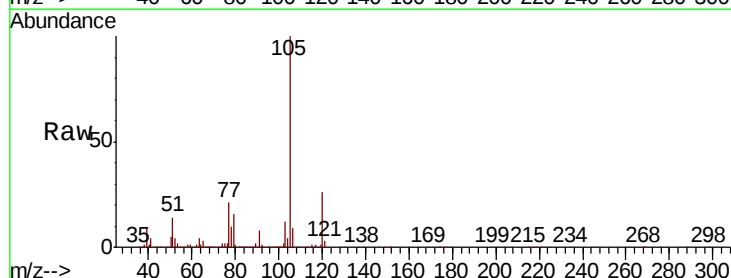
Acq: 20 Jan 2021 9:55

Tgt Ion:105 Resp: 5162890

Ion Ratio Lower Upper

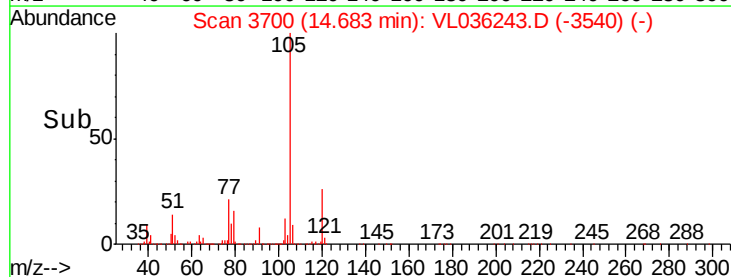
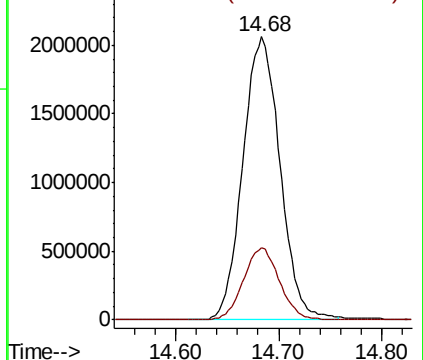
105 100

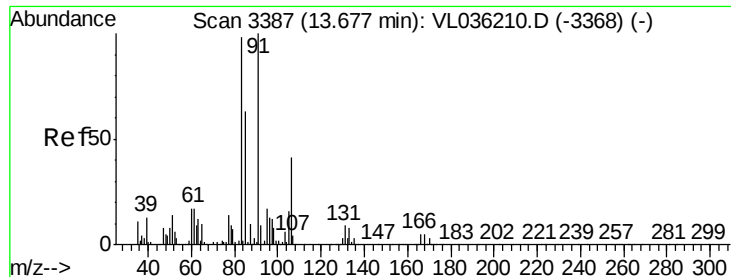
120 25.0 20.3 30.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

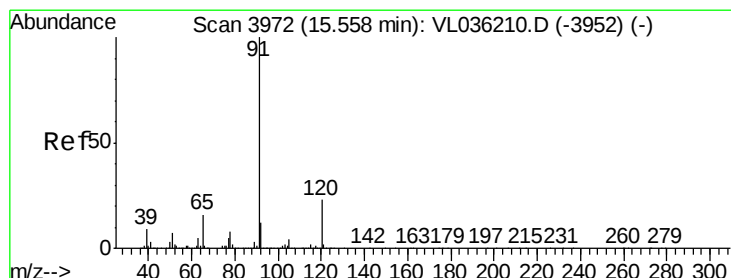
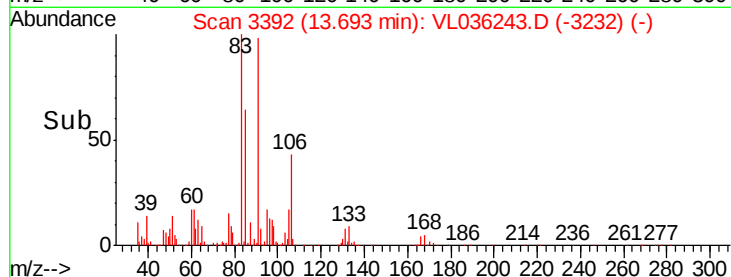
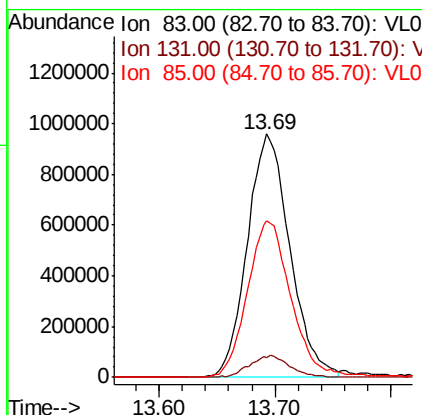
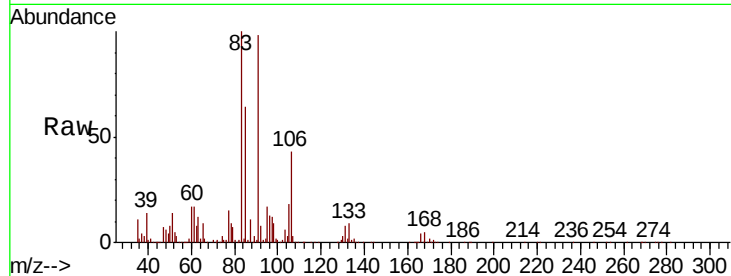




#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.958 ppbv
 RT: 13.69 min Scan# 3392
 Delta R.T. 0.02 min
 Lab File: VL036243.D
 Acq: 20 Jan 2021 9:55

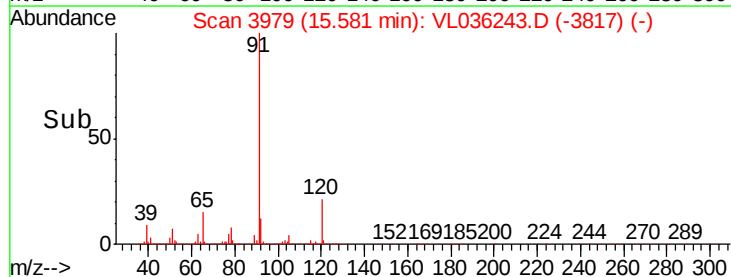
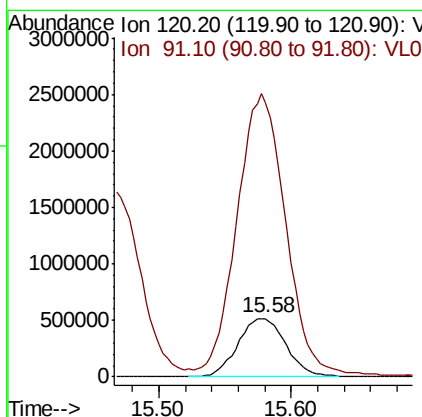
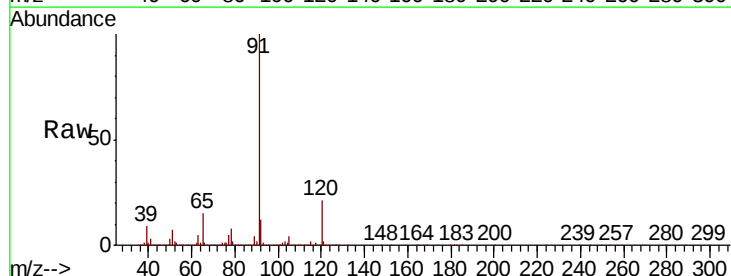
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

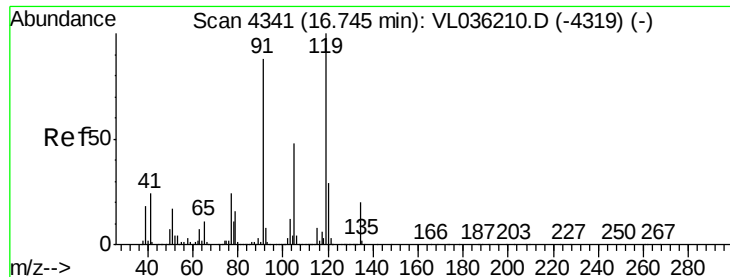
Tot Ion: 83 Resp: 2445940
 Ion Ratio Lower Upper
 83 100
 131 8.6 4.5 13.5
 85 66.4 33.1 99.3



#64
 n-propylbenzene
 Concen: 7.508 ppbv
 RT: 15.58 min Scan# 3979
 Delta R.T. 0.02 min
 Lab File: VL036243.D
 Acq: 20 Jan 2021 9:55

Tgt Ion: 120 Resp: 1294835
 Ion Ratio Lower Upper
 120 100
 91 499.8 391.8 587.6





#65

tert-Butylbenzene

Concen: 7.272 ppbv

RT: 16.76 min Scan# 4346

Delta R.T. 0.02 min

Lab File: VL036243.D

Acq: 20 Jan 2021 9:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

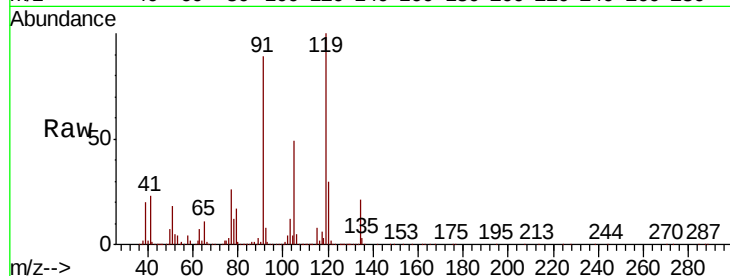
Tot Ion:119 Resp: 4325672

Ion Ratio Lower Upper

119 100

91 89.6 71.0 106.6

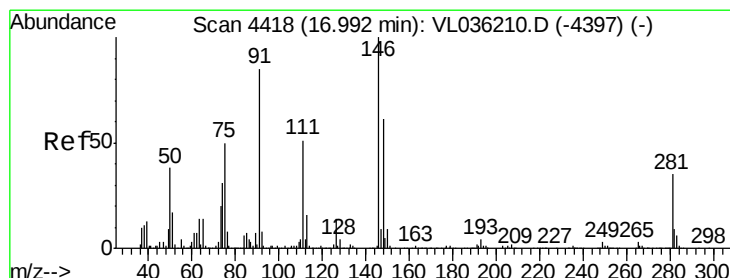
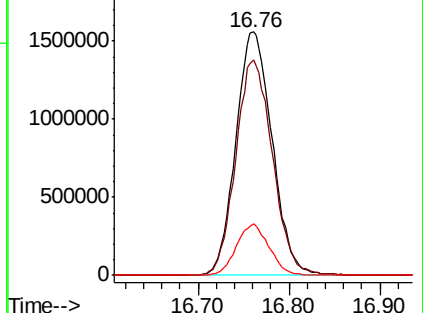
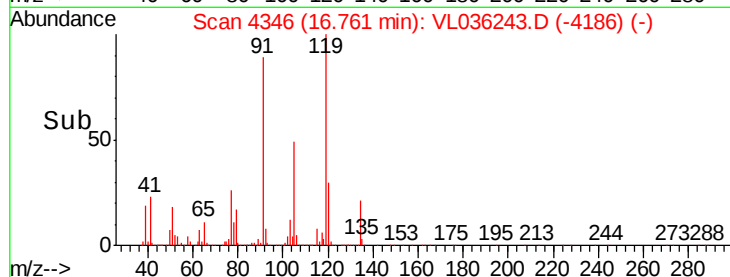
134 19.2 15.8 23.6



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: 10.360 ppbv

RT: 17.01 min Scan# 4423

Delta R.T. 0.02 min

Lab File: VL036243.D

Acq: 20 Jan 2021 9:55

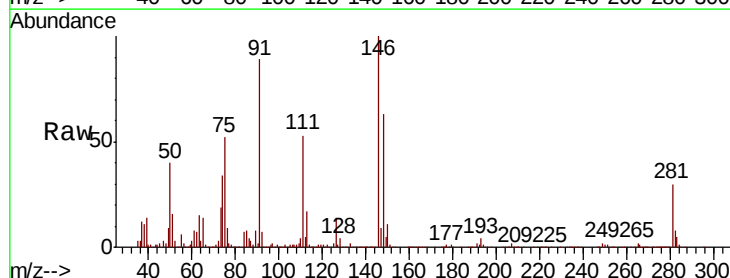
Tgt Ion: 91 Resp: 1574338

Ion Ratio Lower Upper

91 100

126 15.9 12.6 19.0

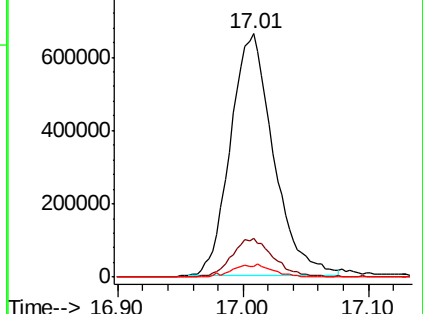
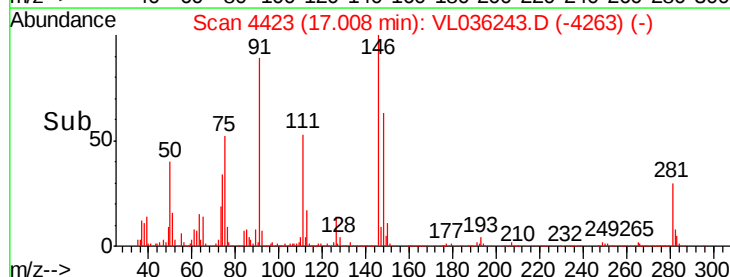
128 5.1 3.8 5.6

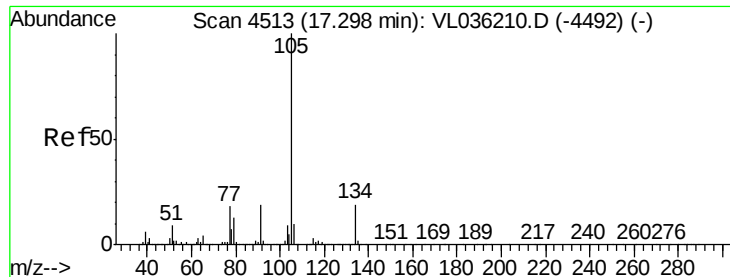


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.124 ppbv

RT: 17.31 min Scan# 4517

Delta R.T. 0.01 min

Lab File: VL036243.D

Acq: 20 Jan 2021 9:55

Instrument :

MSVOA_L

ClientSampleId :

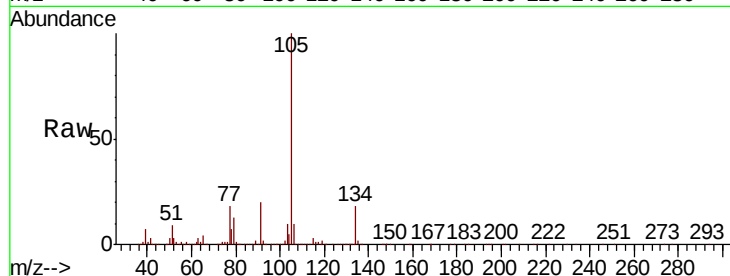
VSTDCCC010

Tot Ion:105 Resp: 6289610

Ion Ratio Lower Upper

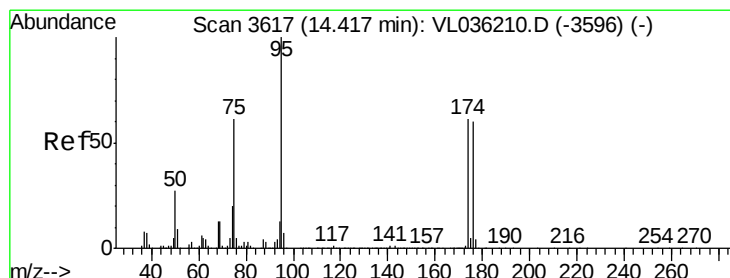
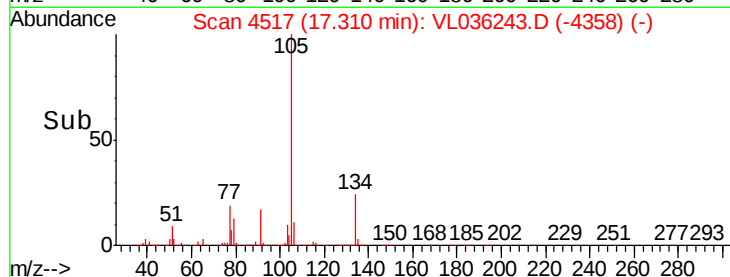
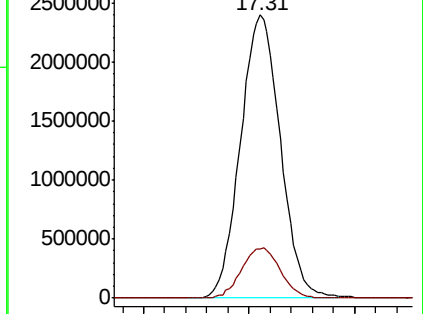
105 100

134 17.5 14.2 21.4



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: 8.196 ppbv

RT: 14.43 min Scan# 3622

Delta R.T. 0.02 min

Lab File: VL036243.D

Acq: 20 Jan 2021 9:55

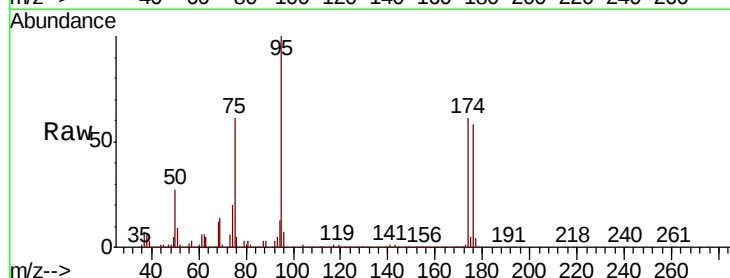
Tgt Ion: 95 Resp: 2605942

Ion Ratio Lower Upper

95 100

174 61.1 49.4 74.0

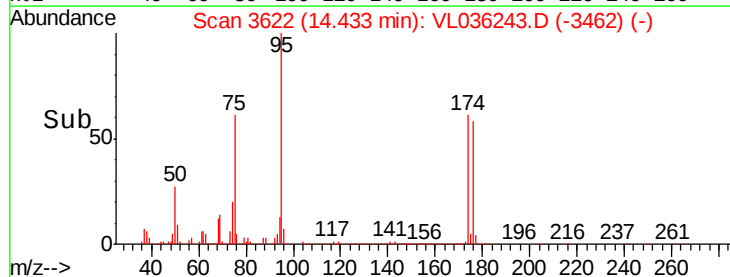
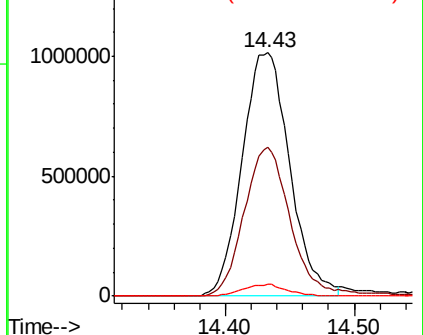
175 4.5 3.8 5.8

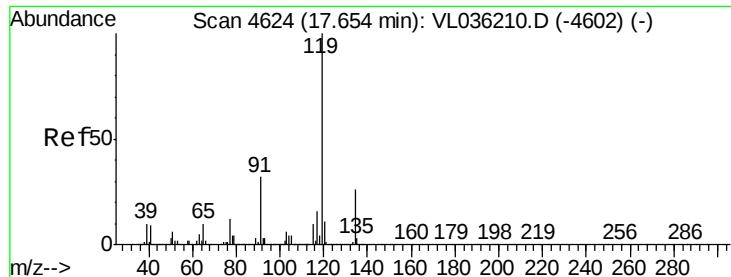


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

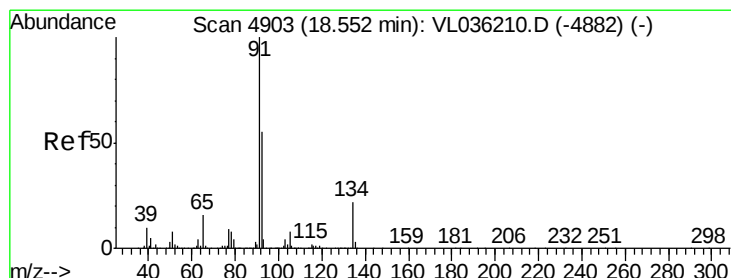
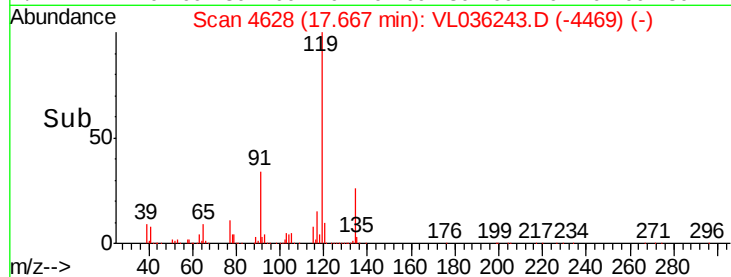
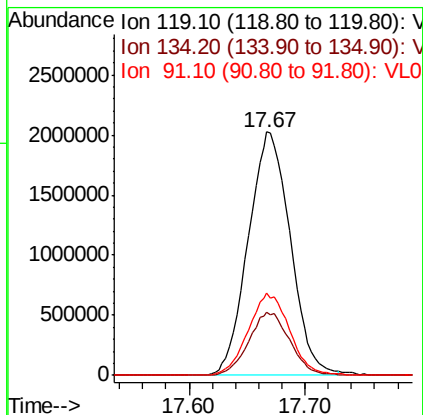
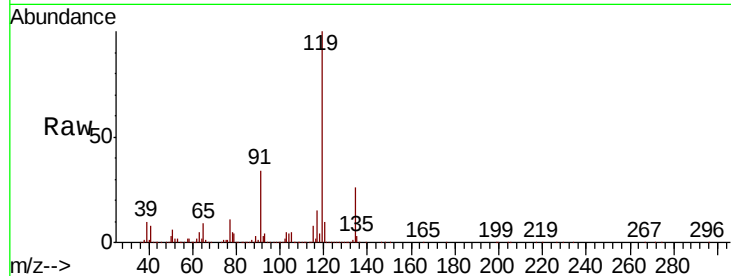




#69
 p-Isopropyltoluene
 Concen: 7.265 ppbv
 RT: 17.67 min Scan# 4628
 Delta R.T. 0.01 min
 Lab File: VL036243.D
 Acq: 20 Jan 2021 9:55

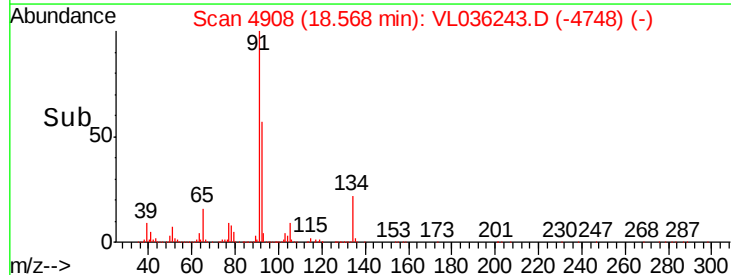
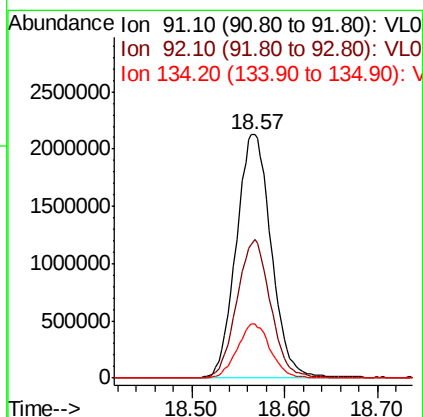
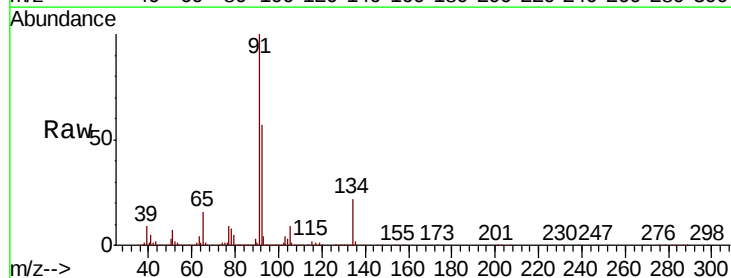
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

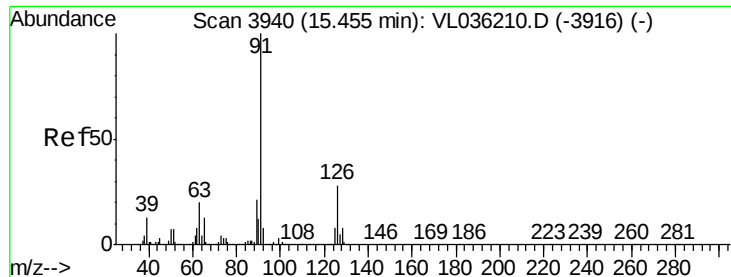
Tot Ion:119 Resp: 5087114
 Ion Ratio Lower Upper
 119 100
 134 25.4 20.2 30.4
 91 33.2 26.0 39.0



#70
 n-Butylbenzene
 Concen: 7.480 ppbv
 RT: 18.57 min Scan# 4908
 Delta R.T. 0.02 min
 Lab File: VL036243.D
 Acq: 20 Jan 2021 9:55

Tgt Ion: 91 Resp: 5580844
 Ion Ratio Lower Upper
 91 100
 92 54.9 44.0 66.0
 134 21.1 17.0 25.4





#71

2-Chlorotoluene

Concen: 7.407 ppbv

RT: 15.47 min Scan# 3944

Delta R.T. 0.01 min

Lab File: VL036243.D

Acq: 20 Jan 2021 9:55

Instrument :

MSVOA_L

ClientSampleId :

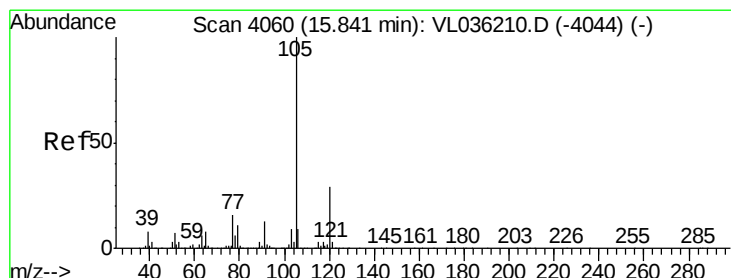
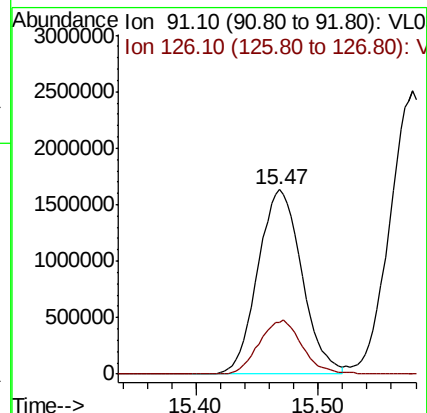
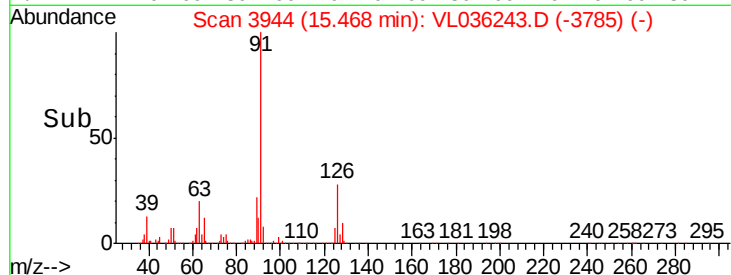
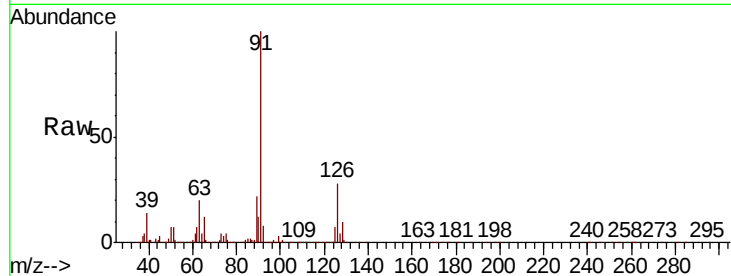
VSTDCCC010

Tot Ion: 91 Resp: 4086723

Ion Ratio Lower Upper

91 100

126 28.8 11.5 45.9



#72

4-Ethyltoluene

Concen: 7.459 ppbv

RT: 15.85 min Scan# 4064

Delta R.T. 0.01 min

Lab File: VL036243.D

Acq: 20 Jan 2021 9:55

Tgt Ion: 105 Resp: 3973863

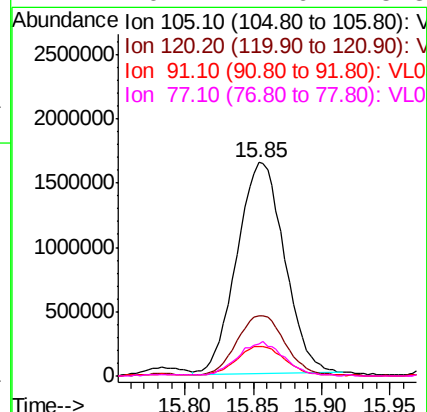
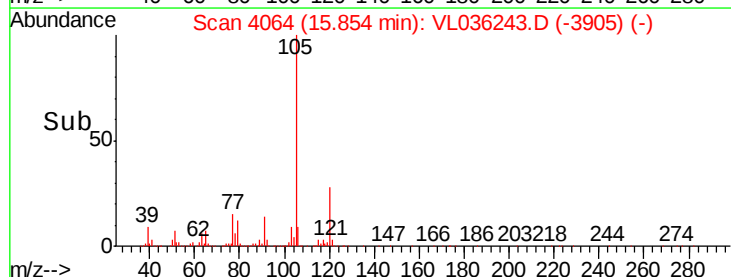
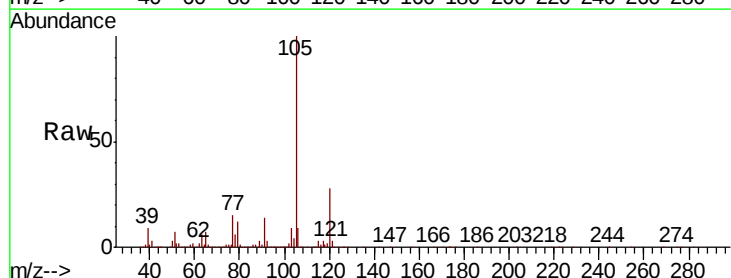
Ion Ratio Lower Upper

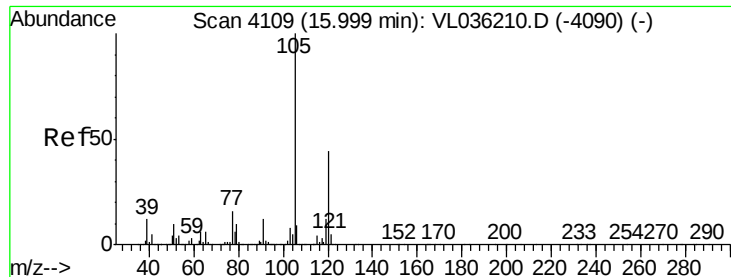
105 100

120 29.5 23.7 35.5

91 14.2 11.9 17.9

77 16.1 12.6 18.8

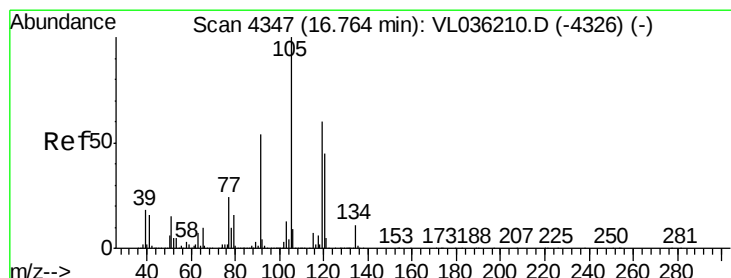
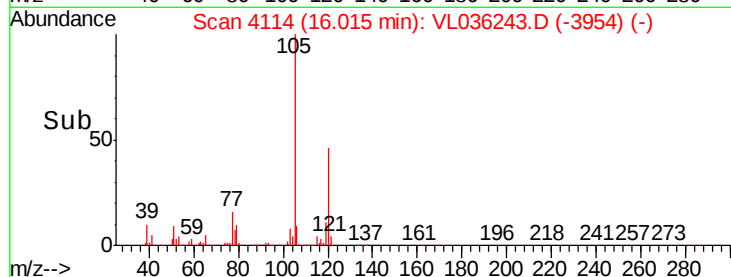
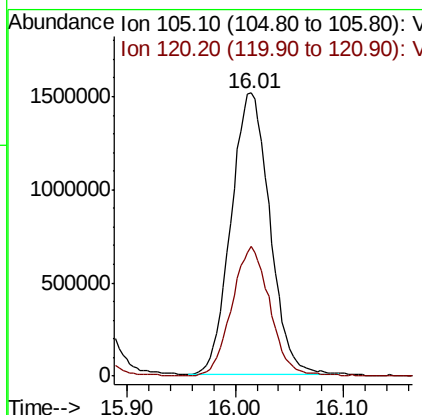
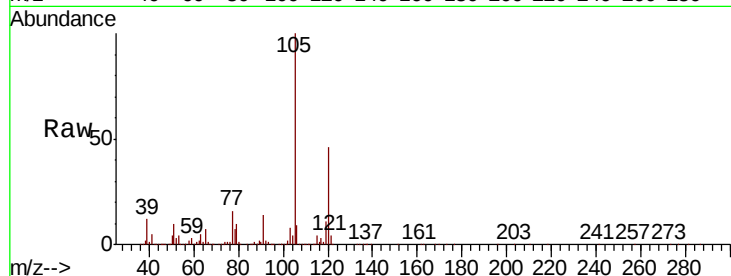




#73
 1,3,5-Trimethylbenzene
 Concen: 7.404 ppbv
 RT: 16.01 min Scan# 4114
 Delta R.T. 0.02 min
 Lab File: VL036243.D
 Acq: 20 Jan 2021 9:55

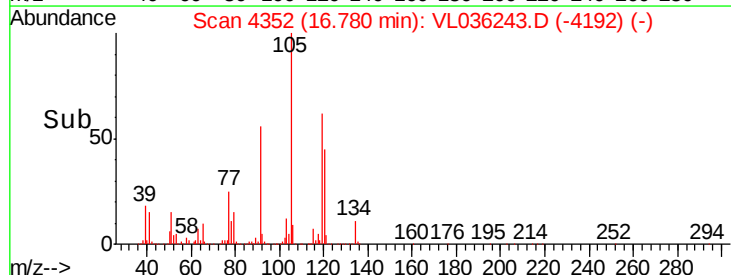
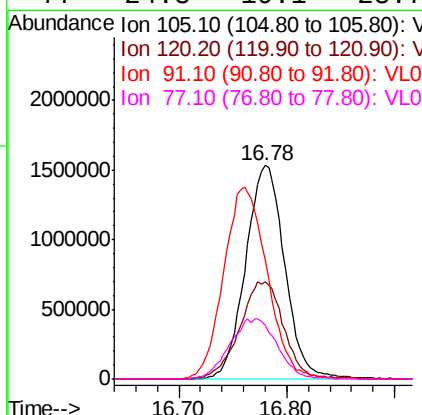
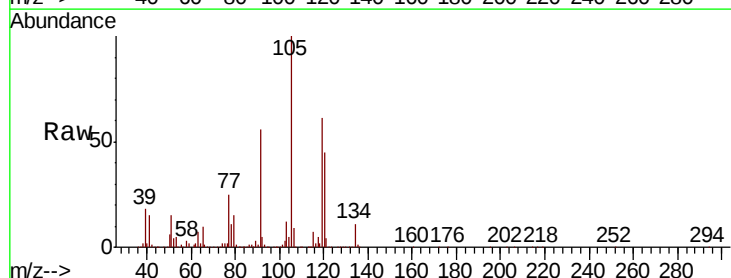
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

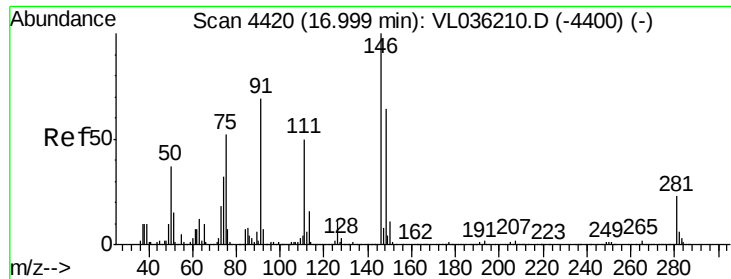
Tot Ion:105 Resp: 3760217
 Ion Ratio Lower Upper
 105 100
 120 46.1 35.5 53.3



#74
 1,2,4-Trimethylbenzene
 Concen: 7.374 ppbv
 RT: 16.78 min Scan# 4352
 Delta R.T. 0.02 min
 Lab File: VL036243.D
 Acq: 20 Jan 2021 9:55

Tgt Ion:105 Resp: 3841404
 Ion Ratio Lower Upper
 105 100
 120 45.2 36.2 54.2
 91 55.3 43.3 64.9
 77 24.8 19.1 28.7

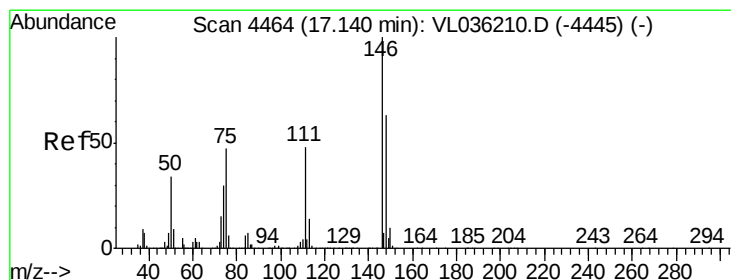
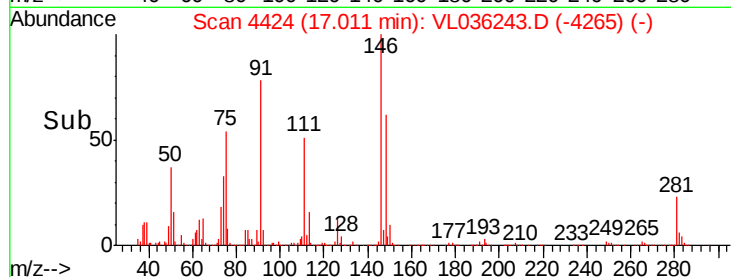
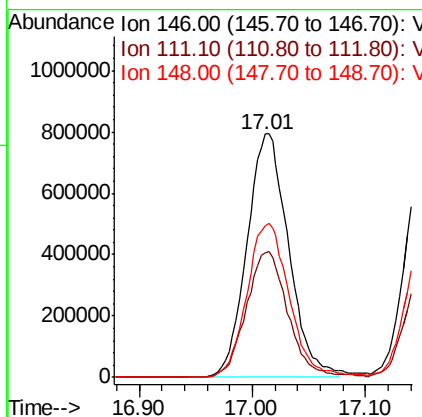
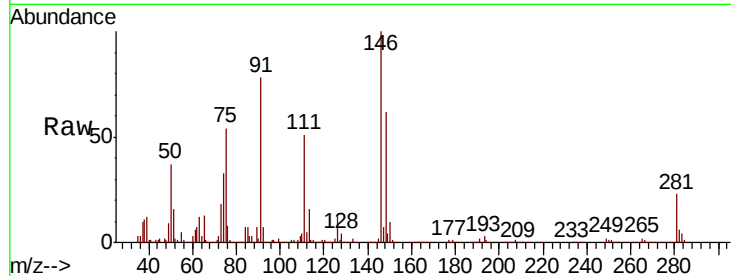




#75
 1,3-Dichlorobenzene
 Concen: 7.242 ppbv
 RT: 17.01 min Scan# 4424
 Delta R.T. 0.01 min
 Lab File: VL036243.D
 Acq: 20 Jan 2021 9:55

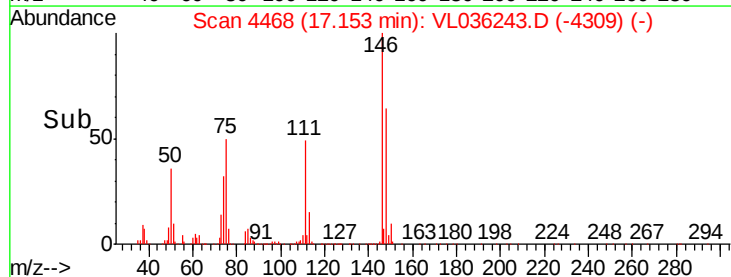
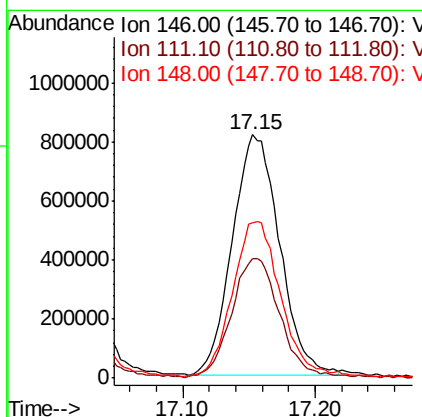
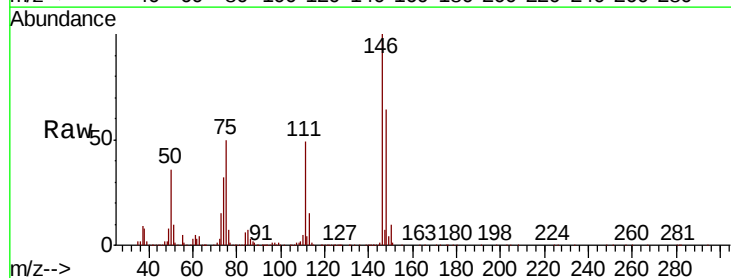
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

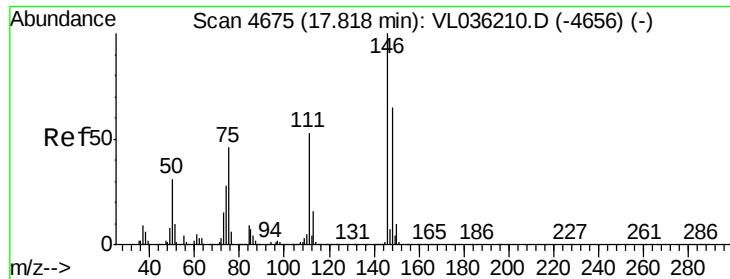
Tot Ion:146 Resp: 2023403
 Ion Ratio Lower Upper
 146 100
 111 51.8 25.5 76.5
 148 64.5 32.4 97.2



#76
 1,4-Dichlorobenzene
 Concen: 7.310 ppbv
 RT: 17.15 min Scan# 4468
 Delta R.T. 0.01 min
 Lab File: VL036243.D
 Acq: 20 Jan 2021 9:55

Tgt Ion:146 Resp: 2017893
 Ion Ratio Lower Upper
 146 100
 111 51.6 25.4 76.0
 148 67.0 33.3 99.9

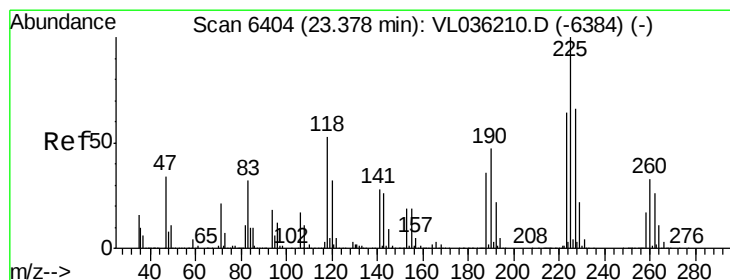
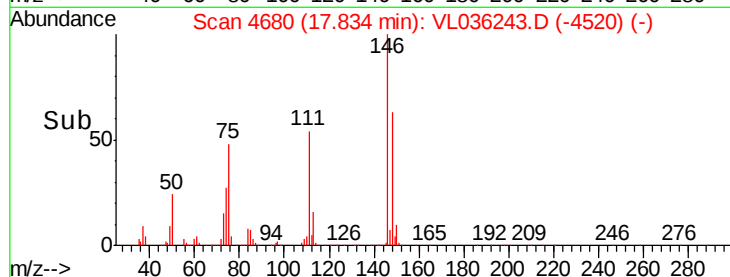
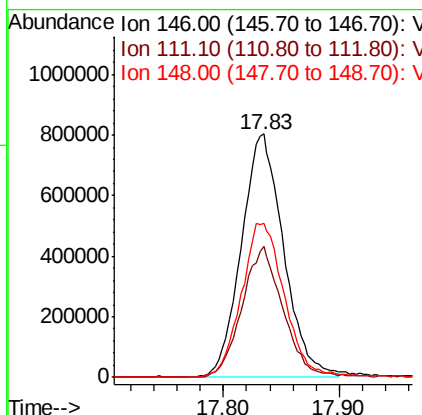
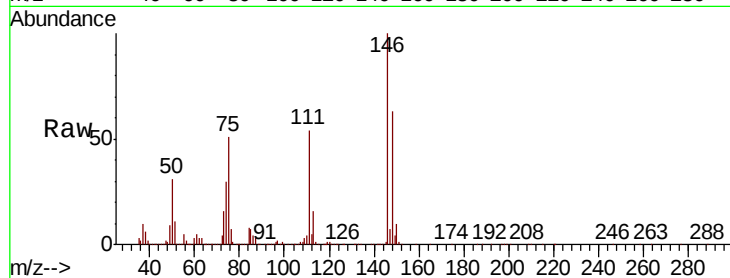




#77
 1,2-Dichlorobenzene
 Concen: 7.420 ppbv
 RT: 17.83 min Scan# 4680
 Delta R.T. 0.02 min
 Lab File: VL036243.D
 Acq: 20 Jan 2021 9:55

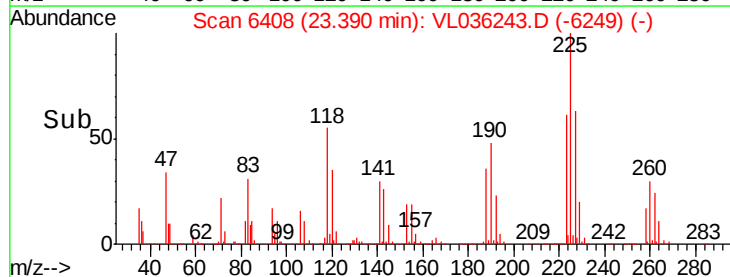
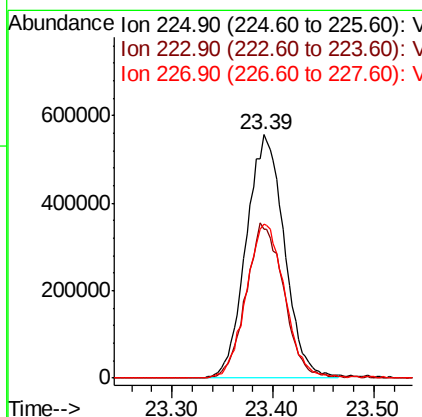
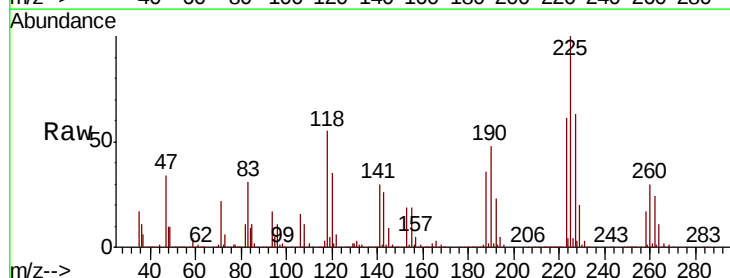
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

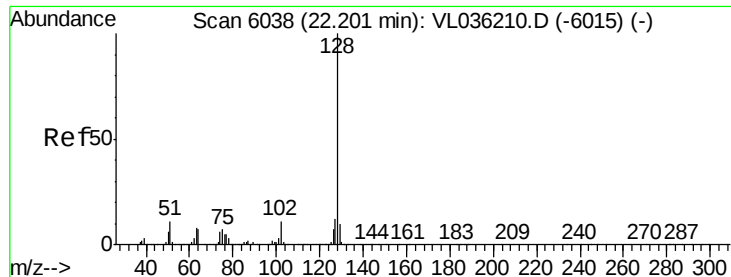
Tot Ion:146 Resp: 2024963
 Ion Ratio Lower Upper
 146 100
 111 53.0 26.5 79.4
 148 64.6 32.8 98.4



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.696 ppbv
 RT: 23.39 min Scan# 6408
 Delta R.T. 0.01 min
 Lab File: VL036243.D
 Acq: 20 Jan 2021 9:55

Tgt Ion:225 Resp: 1461623
 Ion Ratio Lower Upper
 225 100
 223 63.2 50.5 75.7
 227 64.4 51.7 77.5

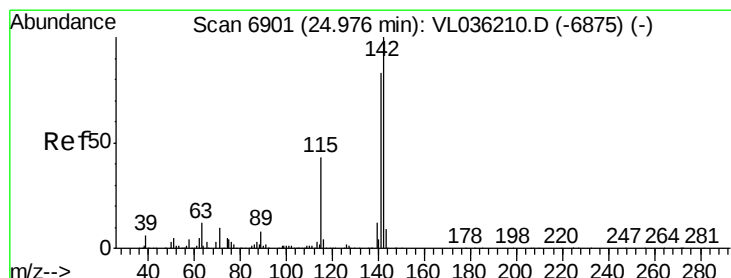
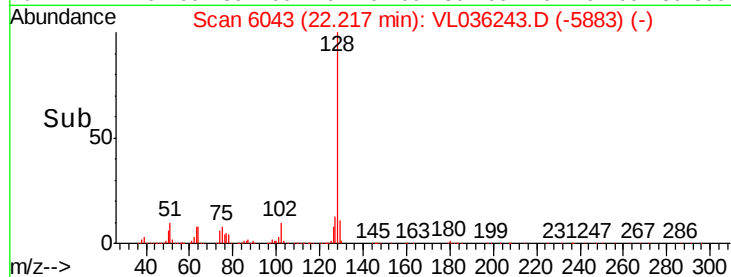
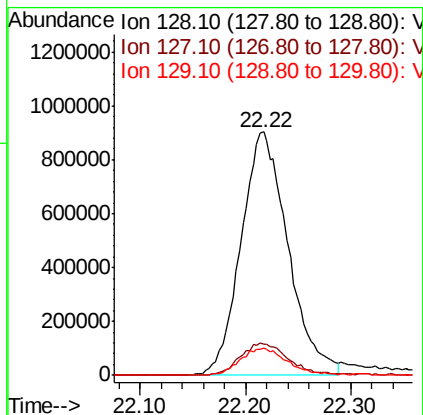
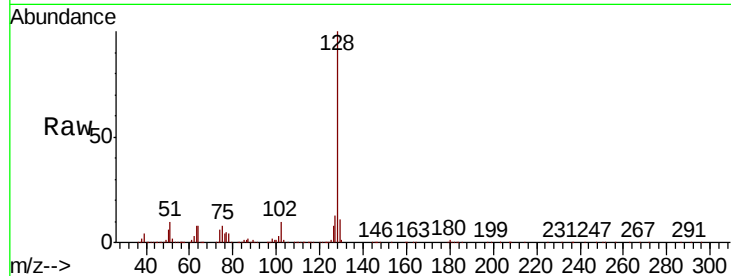




#79
Naphthalene
Concen: 9.166 ppbv
RT: 22.22 min Scan# 6043
Delta R.T. 0.02 min
Lab File: VL036243.D
Acq: 20 Jan 2021 9:55

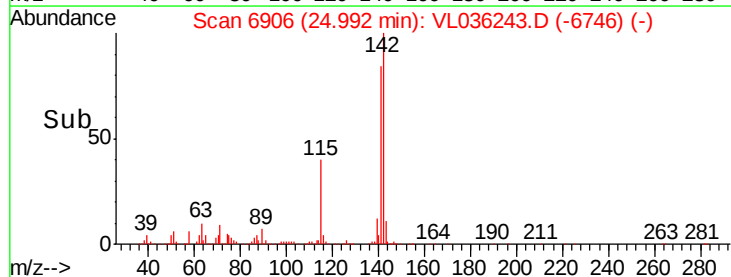
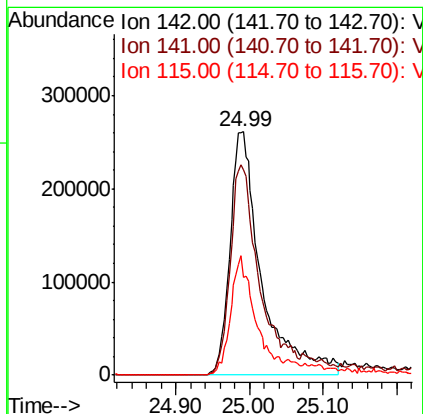
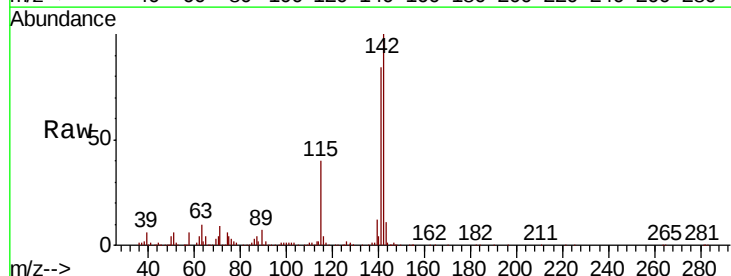
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

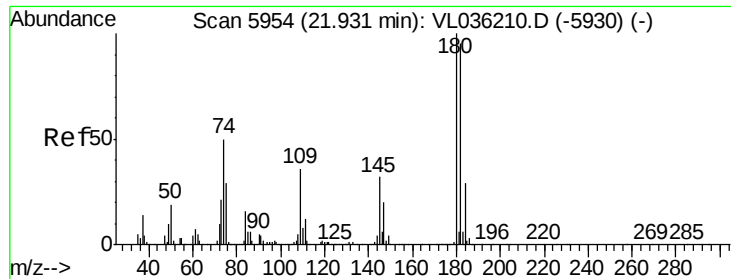
Tot Ion:128 Resp: 2791176
Ion Ratio Lower Upper
128 100
127 12.9 9.9 14.9
129 11.2 8.4 12.6



#80
Naphthalene, 2-methyl-
Concen: 11.995 ppbv
RT: 24.99 min Scan# 6906
Delta R.T. 0.02 min
Lab File: VL036243.D
Acq: 20 Jan 2021 9:55

Tgt Ion:142 Resp: 779418
Ion Ratio Lower Upper
142 100
141 88.0 68.6 102.8
115 45.1 32.9 49.3





#81

1,2,4-Trichlorobenzene

Concen: 8.090 ppbv

RT: 21.95 min Scan# 5959

Delta R.T. 0.02 min

Lab File: VL036243.D

Acq: 20 Jan 2021 9:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

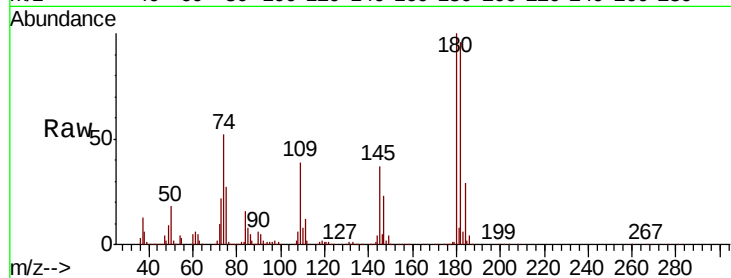
Tot Ion:180 Resp: 1438289

Ion Ratio Lower Upper

180 100

182 98.6 79.9 119.9

184 33.5 25.6 38.4



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

