

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012021\
 Data File : VL036259.D
 Acq On : 20 Jan 2021 23:21
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Quant Time: Jan 21 01:37:02 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	5.66	49	1404108	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3107568	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2954440	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2490869	10.19	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.90%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	1934566	10.278	ppbv 99
3) Chlorodifluoromethane	2.98	51	1734902	10.061	ppbv 98
4) Chloromethane	3.13	50	827975	9.715	ppbv 93
5) Vinyl Chloride	3.25	62	813799	10.091	ppbv 99
6) Bromomethane	3.47	94	463157	10.272	ppbv 98
7) Chloroethane	3.55	64	272931	9.827	ppbv 96
8) Dichlorotetrafluoroethane	3.18	85	1867265	10.240	ppbv 97
9) Propene	3.00	41	745269	9.076	ppbv 99
10) Heptane	8.12	43	1940789	9.521	ppbv 98
11) Trichlorofluoromethane	3.94	101	1917619	10.022	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1202965	10.370	ppbv 98
13) Ethanol	3.60	45	87909	6.818	ppbv 88
14) Bromoethene	3.74	108	513759	9.726	ppbv 99
15) Acetone	3.84	43	1553609	9.035	ppbv 97
16) 1,3-Butadiene	3.32	39	825086	9.849	ppbv 99
17) tert-Butyl alcohol	4.29	59	1335705	9.413	ppbv 99
18) 1,1-Dichloroethene	4.28	96	536157	9.969	ppbv 98
19) Isopropyl Alcohol	3.96	45	932897	8.999	ppbv 99
20) Methylene Chloride	4.34	84	463488	8.445	ppbv 96
21) Allyl Chloride	4.41	41	936971	10.010	ppbv 95
22) trans-1,2-Dichloroethene	4.88	96	490812	9.877	ppbv 98
23) Vinyl Acetate	5.07	43	2058731	9.880	ppbv 98
24) 1,1-Dichloroethane	5.01	63	1527640	10.121	ppbv 100
25) Ethyl Acetate	5.67	43	3273712	9.482	ppbv 99
26) Hexane	5.68	57	1333407	9.277	ppbv 99
27) Carbon Disulfide	4.55	76	1297327	11.287	ppbv 100
28) Methyl tert-Butyl Ether	5.03	73	1832813	9.429	ppbv 97
29) Chloroform	5.75	83	2107312	10.239	ppbv 95
30) Cyclohexane	7.12	84	1105522	10.065	ppbv 99
31) cis-1,2-Dichloroethene	5.55	61	1390460	10.121	ppbv 96
32) 1,1,1-Trichloroethane	6.51	97	2076313	10.431	ppbv 100
34) 2-Butanone	5.24	43	2097724	9.166	ppbv 100
35) Carbon Tetrachloride	7.01	117	2089446	10.642	ppbv 97
36) Benzene	6.89	78	2751327	9.663	ppbv 99
37) 1,2-Dichloroethane	6.30	62	1770874	10.335	ppbv 100
38) Trichloroethene	7.83	130	902161	8.554	ppbv 97
39) 1,2-Dichloropropane	7.61	63	1111747	9.616	ppbv 96
40) 1,4-Dioxane	7.83	88	369323	8.831	ppbv # 89
41) Tetrahydrofuran	6.04	42	1246040	9.421	ppbv 98
42) Bromodichloromethane	7.79	83	2281263	10.593	ppbv 95
43) Methyl Methacrylate	8.01	69	1225857	10.131	ppbv 97

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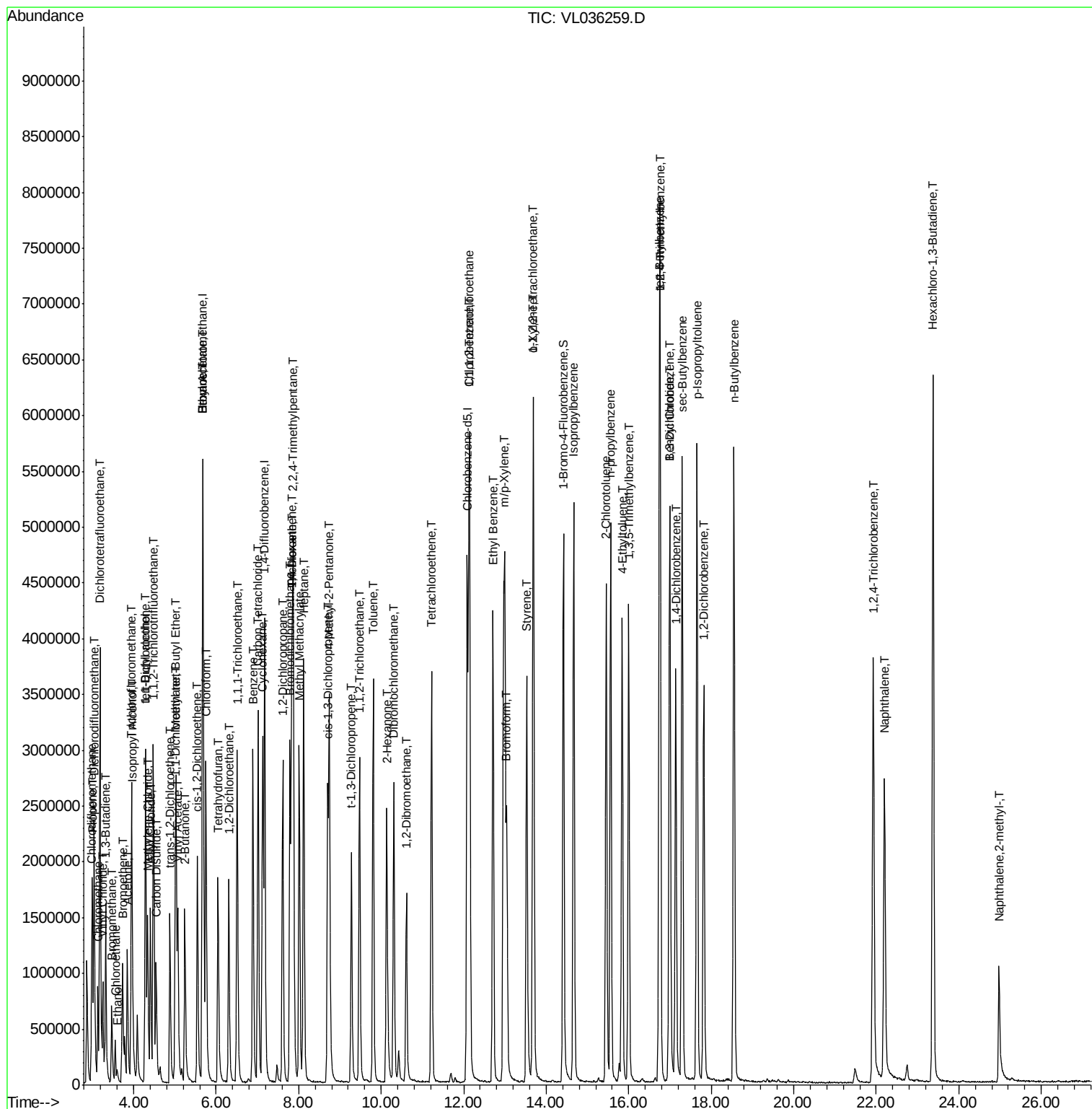
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4755436	9.093	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1300233	11.313	ppbv	98
46) cis-1,3-Dichloropropene	8.70	75	1574368	10.660	ppbv	97
47) 1,1,2-Trichloroethane	9.47	97	1055350	9.542	ppbv	96
48) Dibromochloromethane	10.30	129	1691976	10.457	ppbv	100
49) Bromoform	13.04	173	1309748	9.697	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	3233657	9.477	ppbv	100
51) 2-Hexanone	10.13	43	2625283	9.752	ppbv #	99
52) Tetrachloroethene	11.22	164	855917	8.157	ppbv	99
53) Toluene	9.80	91	3014585	9.464	ppbv	100
54) 1,2-Dibromoethane	10.61	107	1541490	9.402	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.13	131	1261630	9.569	ppbv	99
57) Chlorobenzene	12.15	112	2047311	8.832	ppbv	98
58) Ethyl Benzene	12.71	91	3990608	9.102	ppbv	96
59) m/p-Xylene	13.00	91	3772493	10.014	ppbv #	50
60) o-Xylene	13.69	91	3151119	8.678	ppbv	97
61) Styrene	13.53	104	2153801	9.393	ppbv	99
62) Isopropylbenzene	14.67	105	4594840	8.511	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	2128426	7.872	ppbv	99
64) n-propylbenzene	15.56	120	1156777	8.720	ppbv	95
65) tert-Butylbenzene	16.75	119	3808045	8.324	ppbv	99
66) Benzyl Chloride	16.99	91	1167423	9.988	ppbv	99
67) sec-Butylbenzene	17.29	105	5524773	8.135	ppbv	100
69) p-Isopropyltoluene	17.65	119	4530871	8.413	ppbv	99
70) n-Butylbenzene	18.55	91	4973791	8.667	ppbv	99
71) 2-Chlorotoluene	15.46	91	3578074	8.432	ppbv	99
72) 4-Ethyltoluene	15.84	105	3523428	8.598	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	3328030	8.520	ppbv	100
74) 1,2,4-Trimethylbenzene	16.77	105	3379576	8.434	ppbv	97
75) 1,3-Dichlorobenzene	17.00	146	1779546	8.281	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	1754283	8.263	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	1794317	8.548	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	1727776	10.292	ppbv	99
79) Naphthalene	22.20	128	3523418	15.043	ppbv	96
80) Naphthalene, 2-methyl-	24.98	142	821329	16.434	ppbv	98
81) 1,2,4-Trichlorobenzene	21.93	180	786082	5.749	ppbv #	7

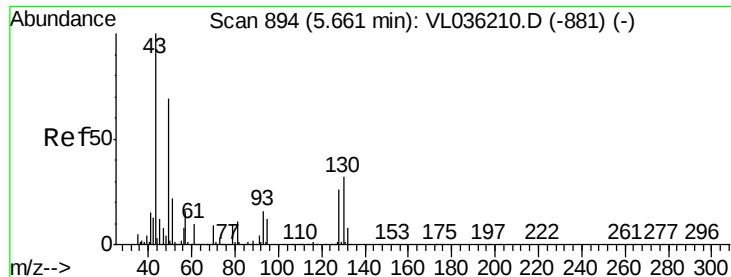
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.00 min

Lab File: VL036259.D

Acq: 20 Jan 2021 23:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

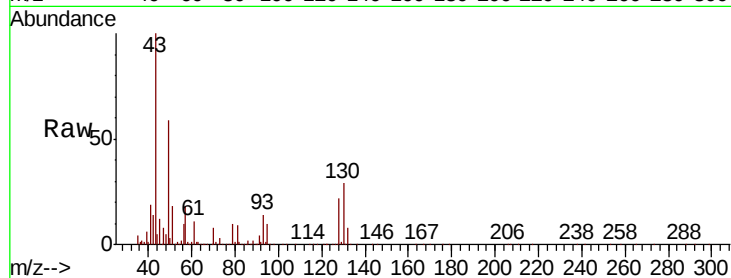
Tot Ion: 49 Resp: 1404108

Ion Ratio Lower Upper

49 100

128 40.1 20.1 60.2

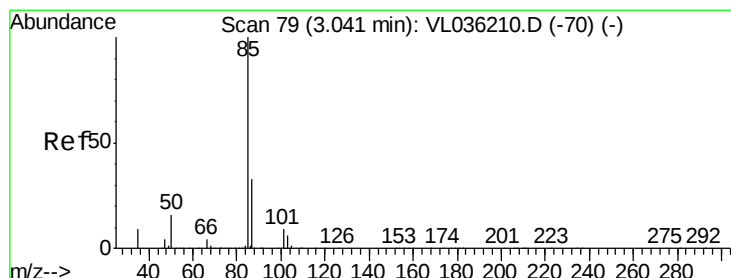
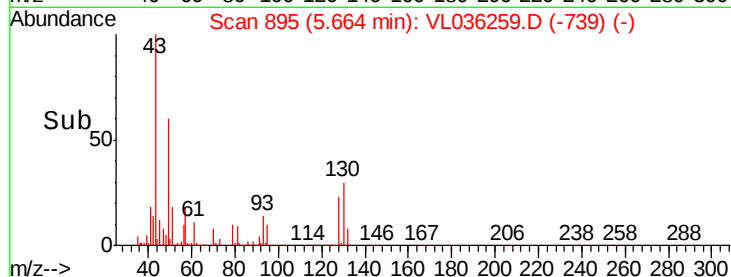
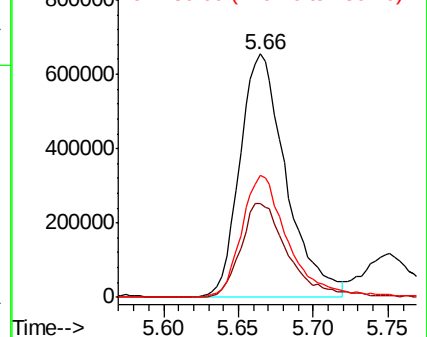
130 51.4 25.3 75.9



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: 10.278 ppbv

RT: 3.04 min Scan# 80

Delta R.T. 0.00 min

Lab File: VL036259.D

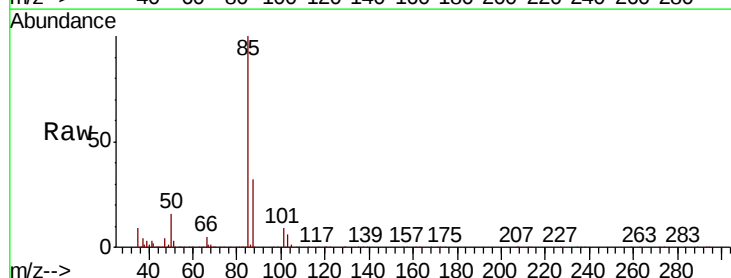
Acq: 20 Jan 2021 23:21

Tgt Ion: 85 Resp: 1934566

Ion Ratio Lower Upper

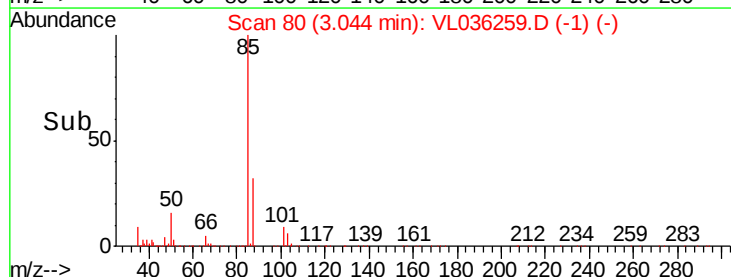
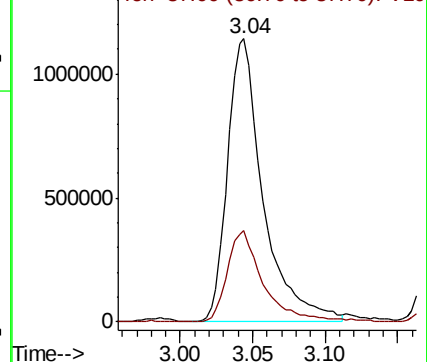
85 100

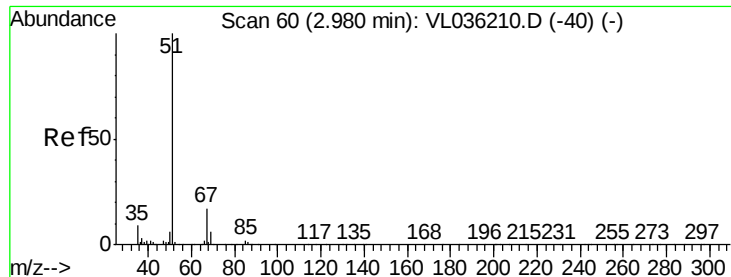
87 32.2 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.061 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.00 min

Lab File: VL036259.D

Acq: 20 Jan 2021 23:21

Instrument :

MSVOA_L

ClientSampleId :

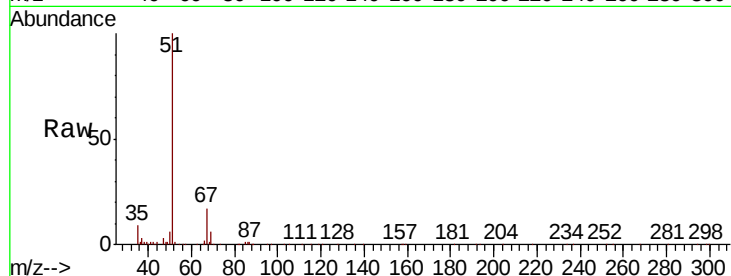
VSTDCCC010EC

Tot Ion: 51 Resp: 1734902

Ion Ratio Lower Upper

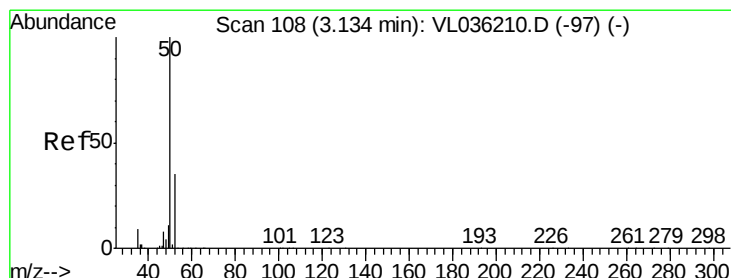
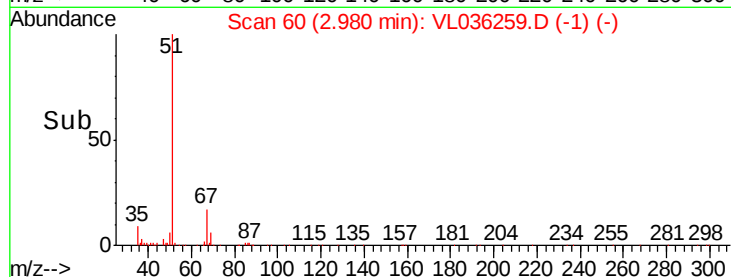
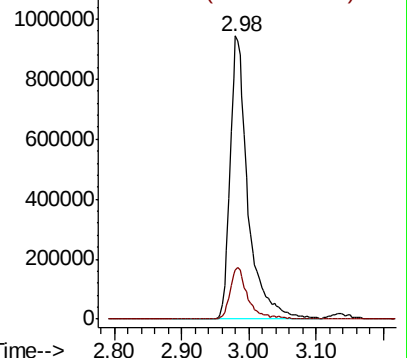
51 100

67 18.5 14.0 21.0



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.715 ppbv

RT: 3.13 min Scan# 108

Delta R.T. -0.00 min

Lab File: VL036259.D

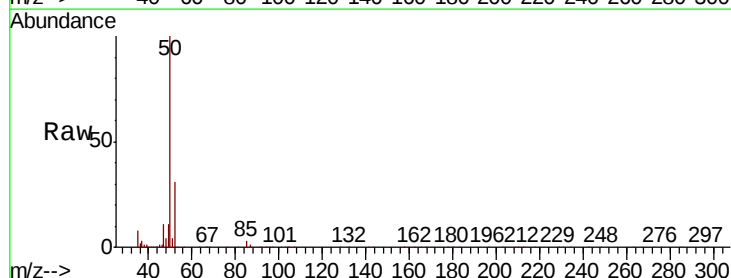
Acq: 20 Jan 2021 23:21

Tgt Ion: 50 Resp: 827975

Ion Ratio Lower Upper

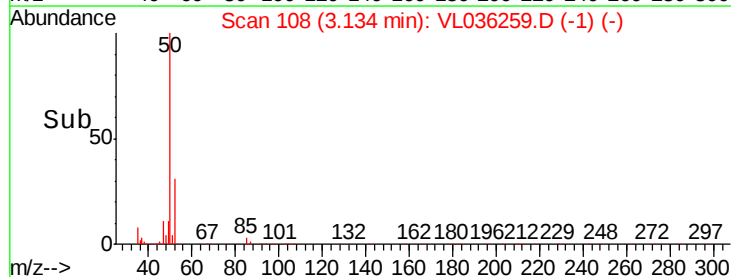
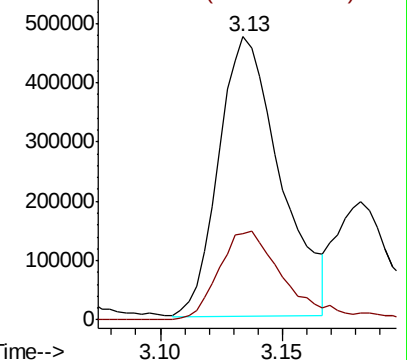
50 100

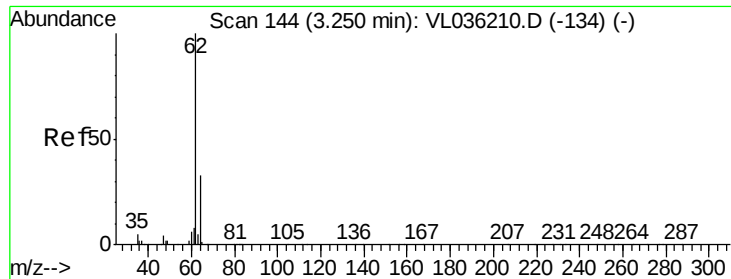
52 30.8 27.8 41.8



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.091 ppbv

RT: 3.25 min Scan# 145

Delta R.T. 0.00 min

Lab File: VL036259.D

Acq: 20 Jan 2021 23:21

Instrument :

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ClientSampleId :

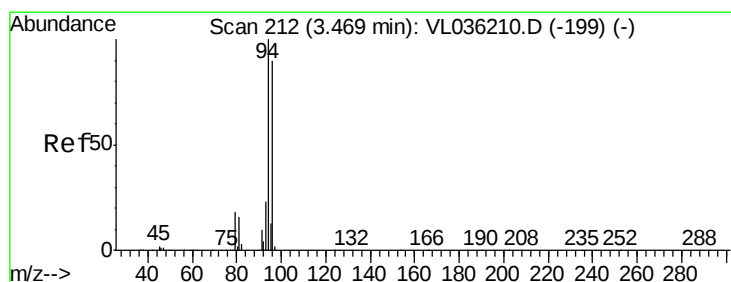
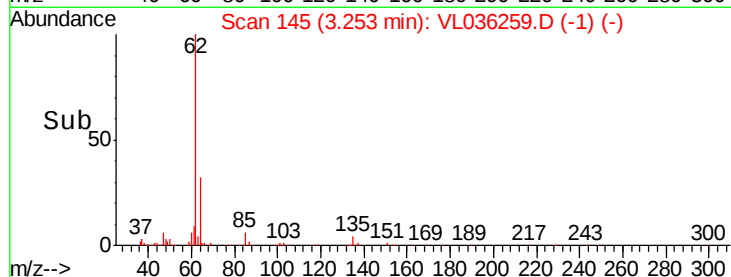
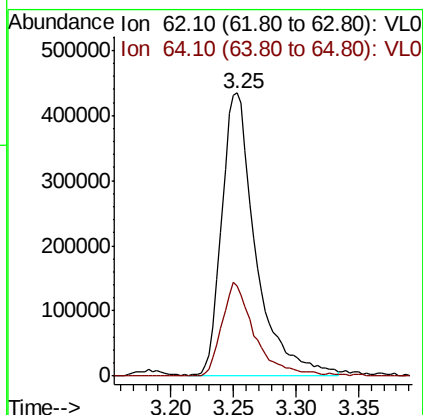
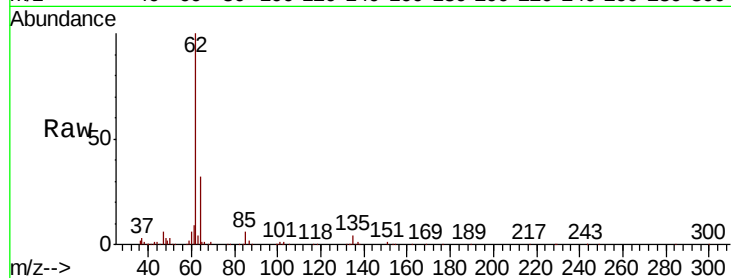
VSTDCCC010EC

Tot Ion: 62 Resp: 813799

Ion Ratio Lower Upper

62 100

64 32.0 26.2 39.2



#6

Bromomethane

Concen: 10.272 ppbv

RT: 3.47 min Scan# 212

Delta R.T. -0.00 min

Lab File: VL036259.D

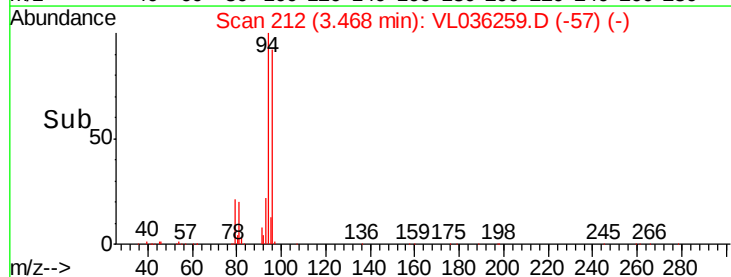
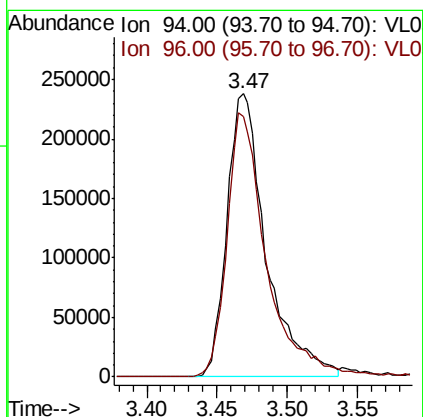
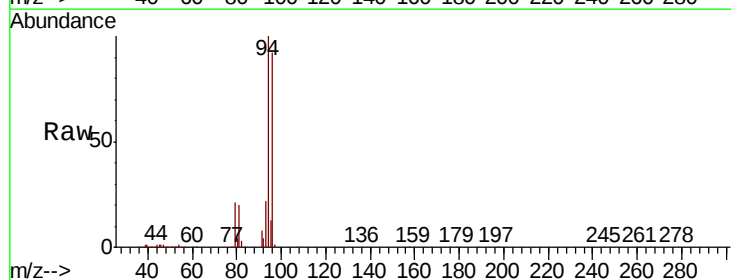
Acq: 20 Jan 2021 23:21

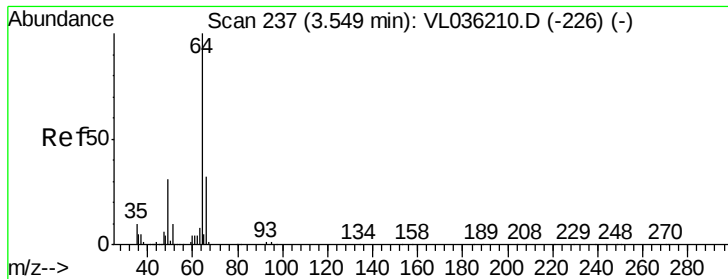
Tgt Ion: 94 Resp: 463157

Ion Ratio Lower Upper

94 100

96 92.1 71.9 107.9





#7

Chloroethane

Concen: 9.827 ppbv

RT: 3.55 min Scan# 238

Delta R.T. 0.00 min

Lab File: VL036259.D

Acq: 20 Jan 2021 23:21

Instrument :

MSVOA_L

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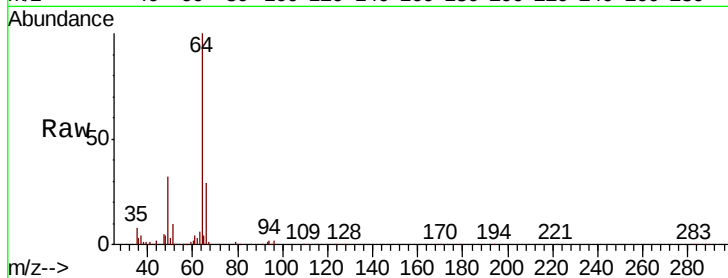
VSTDCCC010EC

Tot Ion: 64 Resp: 272931

Ion Ratio Lower Upper

64 100

66 29.1 25.2 37.8



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

200000

150000

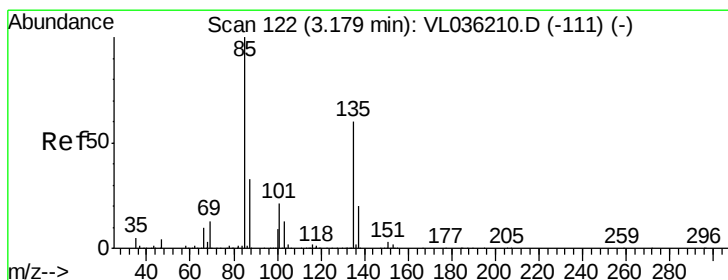
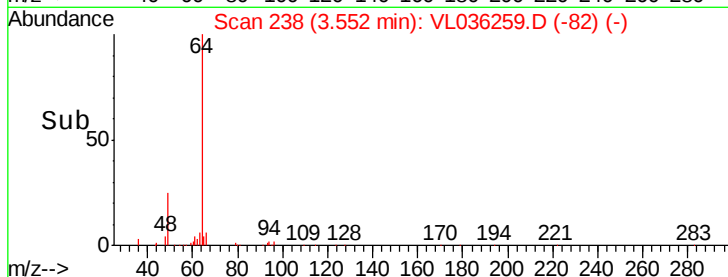
100000

50000

0

3.50 3.55 3.60

Time-->



#8

Dichlorotetrafluoroethane

Concen: 10.240 ppbv

RT: 3.18 min Scan# 123

Delta R.T. 0.00 min

Lab File: VL036259.D

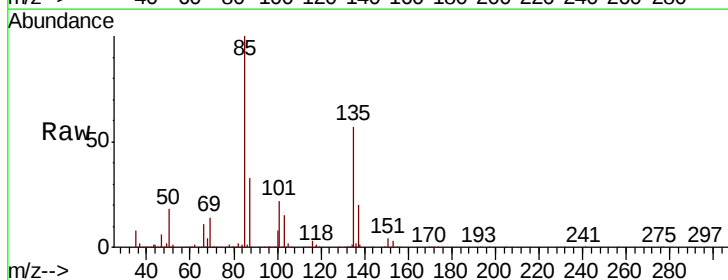
Acq: 20 Jan 2021 23:21

Tgt Ion: 85 Resp: 1867265

Ion Ratio Lower Upper

85 100

135 61.7 51.5 77.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1200000

1000000

800000

600000

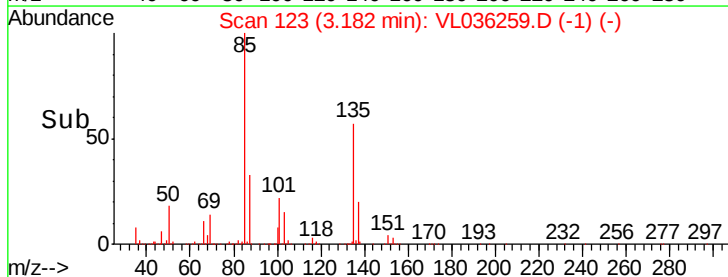
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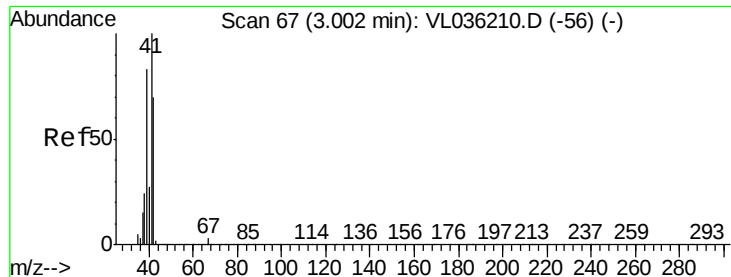
200000

0

3.10 3.15 3.20 3.25 3.30

Time-->





#9

Propene

Concen: 9.076 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.00 min

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Acq: 20 Jan 2021 23:21

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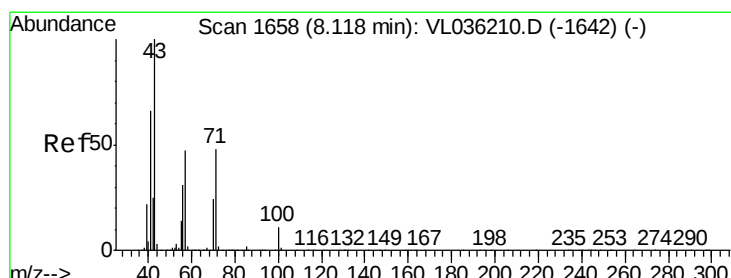
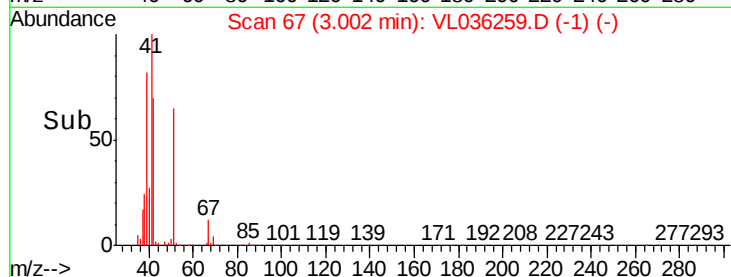
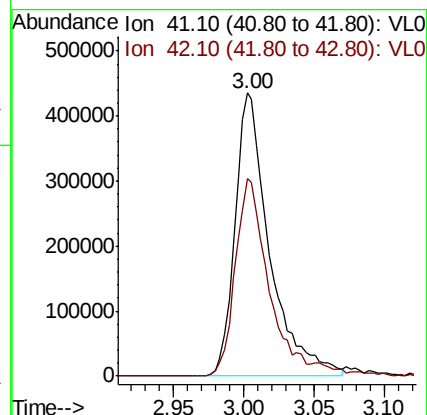
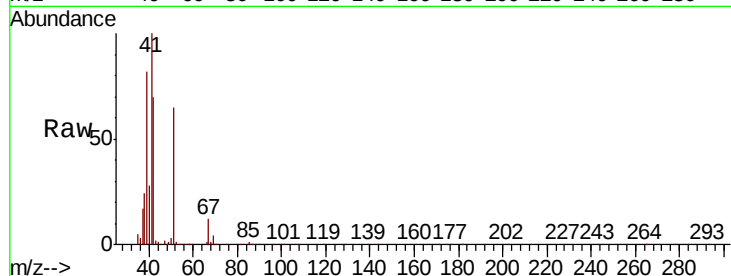
VSTDCCC010EC

Tot Ion: 41 Resp: 745269

Ion Ratio Lower Upper

41 100

42 71.0 57.1 85.7



#10

Heptane

Concen: 9.521 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. -0.00 min

Lab File: VL036259.D

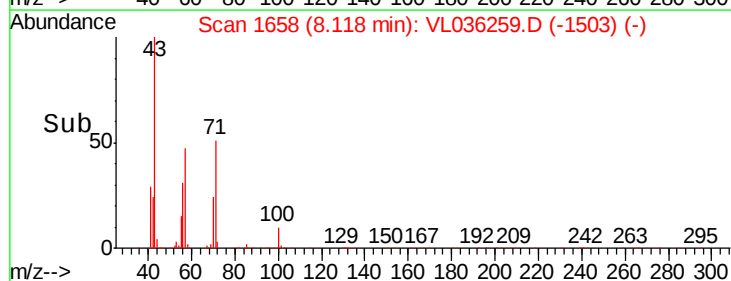
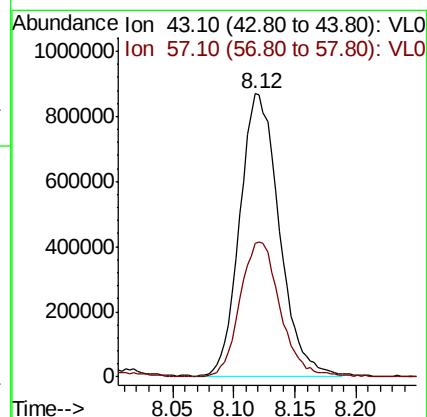
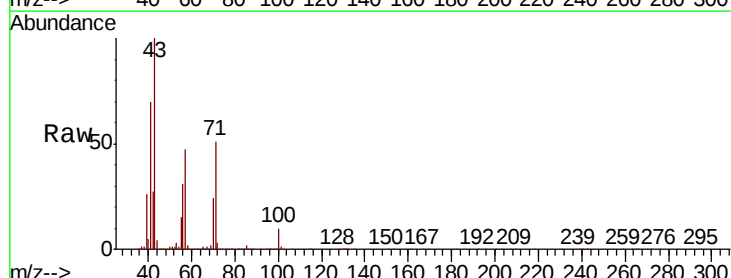
Acq: 20 Jan 2021 23:21

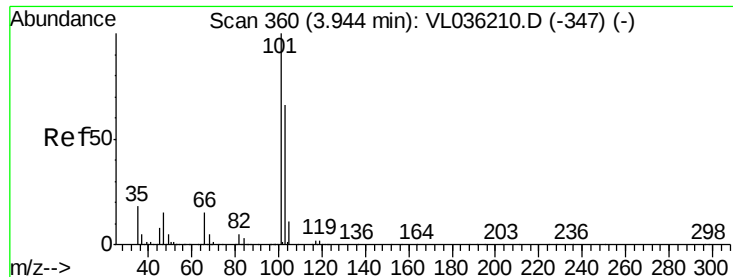
Tgt Ion: 43 Resp: 1940789

Ion Ratio Lower Upper

43 100

57 48.7 38.1 57.1

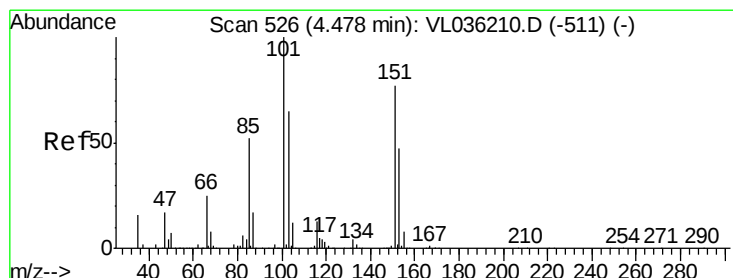
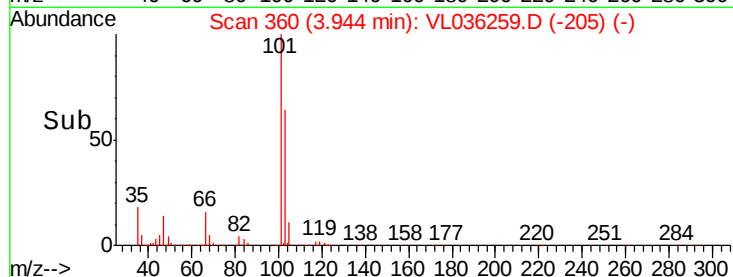
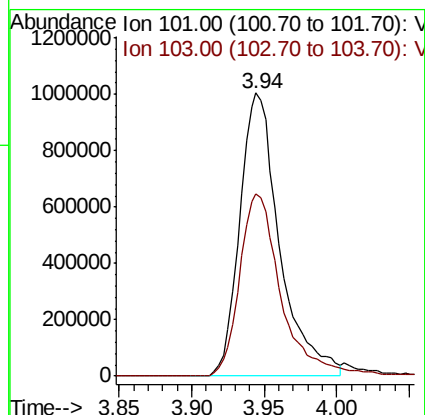
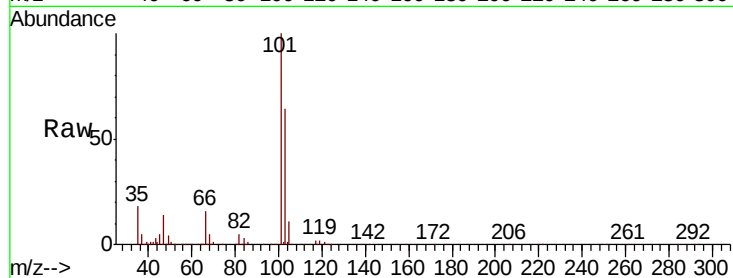




#11
 Trichlorofluoromethane
 Concen: 10.022 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. -0.00 min
 Lab File: VL036259.D
 Acq: 20 Jan 2021 23:21

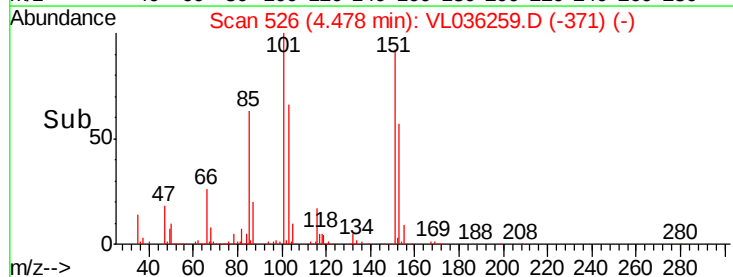
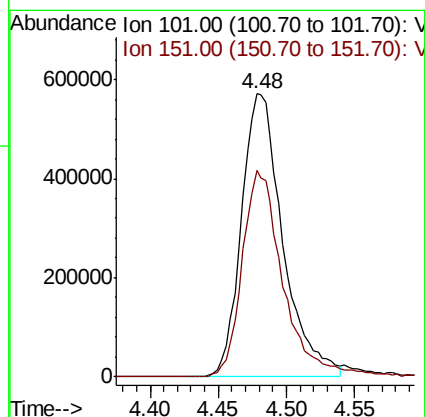
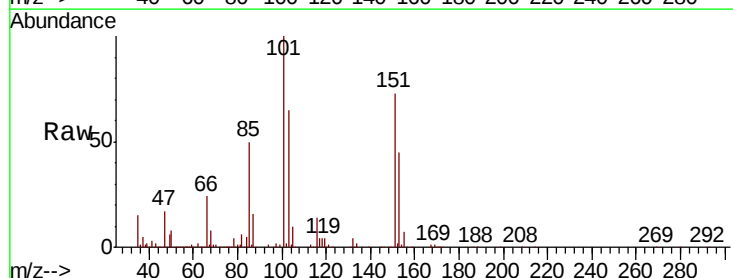
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

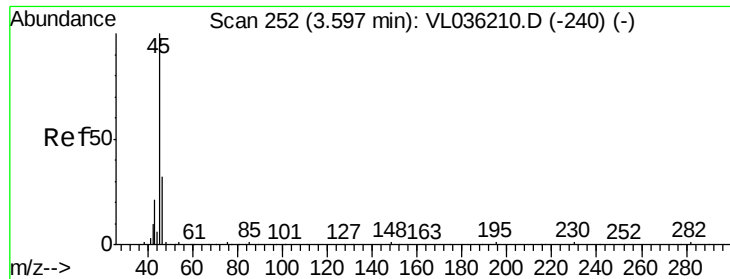
Tot Ion:101 Resp: 1917619
 Ion Ratio Lower Upper
 101 100
 103 64.4 52.6 78.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.370 ppbv
 RT: 4.48 min Scan# 526
 Delta R.T. -0.00 min
 Lab File: VL036259.D
 Acq: 20 Jan 2021 23:21

Tgt Ion:101 Resp: 1202965
 Ion Ratio Lower Upper
 101 100
 151 72.7 59.8 89.6





#13

Ethanol

Concen: 6.818 ppbv

RT: 3.60 min Scan# 254

Delta R.T. 0.01 min

Lab File: VL036259.D

Acq: 20 Jan 2021 23:21

Instrument :

MSVOA_L

ClientSampleId :

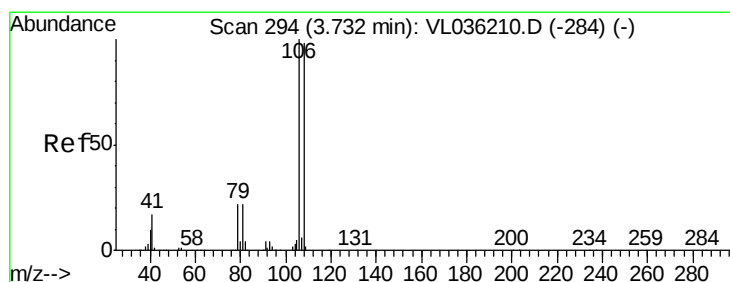
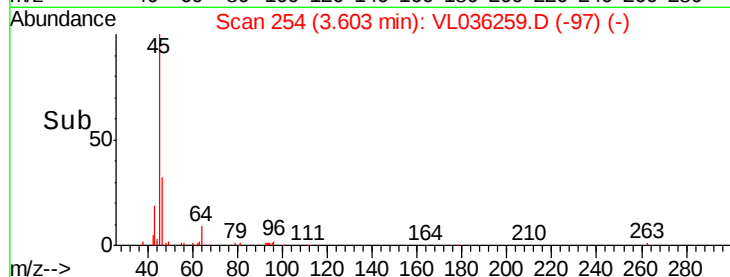
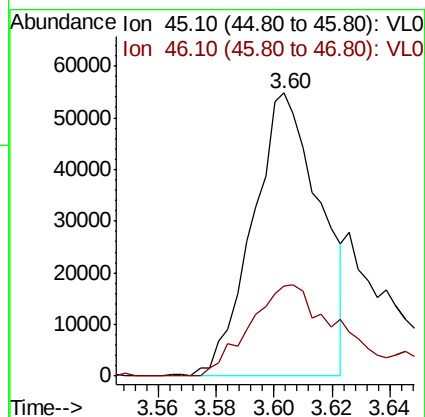
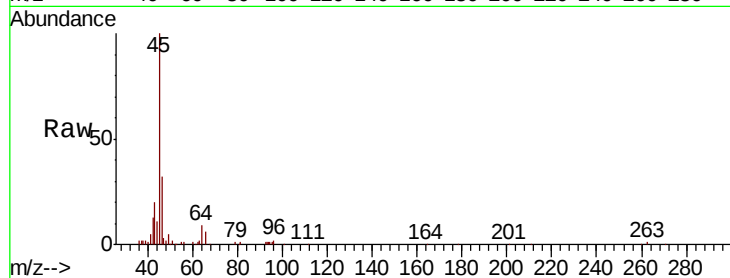
VSTDCCC010EC

Tot Ion: 45 Resp: 87909

Ion Ratio Lower Upper

45 100

46 56.4 19.2 77.0



#14

Bromoethene

Concen: 9.726 ppbv

RT: 3.74 min Scan# 295

Delta R.T. 0.00 min

Lab File: VL036259.D

Acq: 20 Jan 2021 23:21

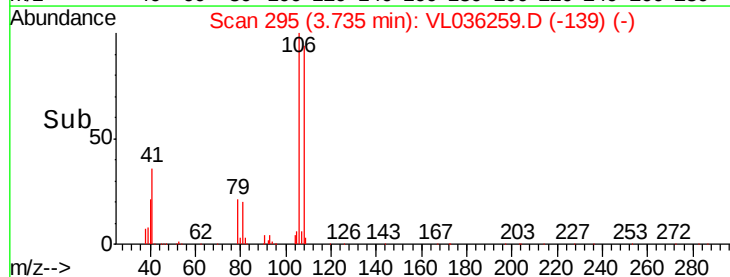
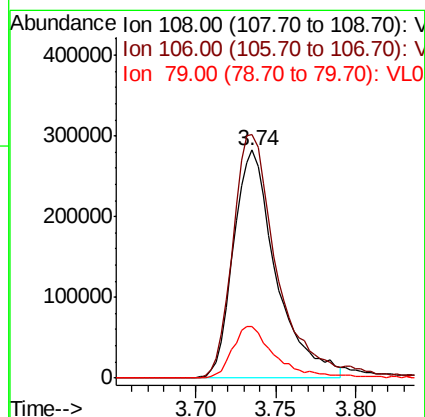
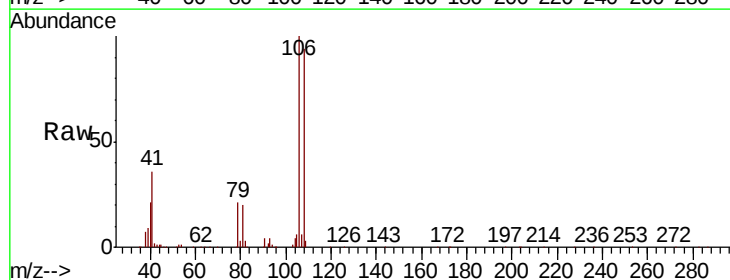
Tgt Ion: 108 Resp: 513759

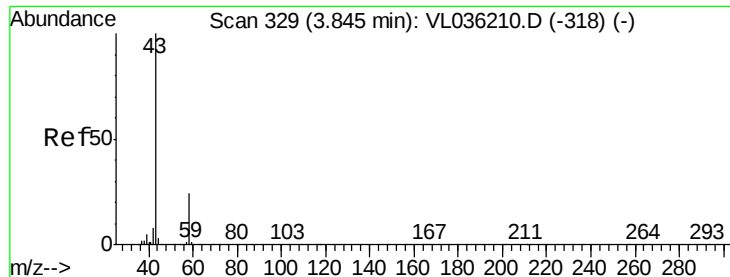
Ion Ratio Lower Upper

108 100

106 113.6 91.4 137.2

79 22.8 18.3 27.5





#15

Acetone

Concen: 9.035 ppbv

RT: 3.84 min Scan# 329

Delta R.T. -0.00 min

Lab File: VL036259.D

Acq: 20 Jan 2021 23:21

Instrument :

MSVOA_L

ClientSampleId :

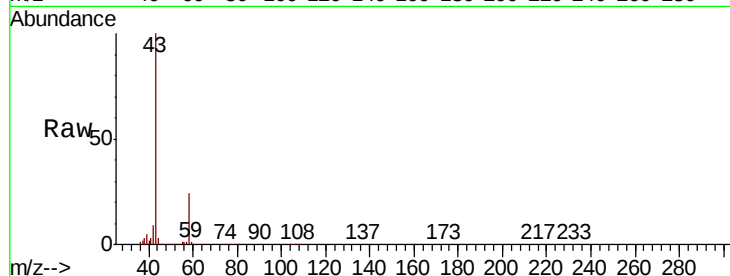
VSTDCCC010EC

Tot Ion: 43 Resp: 1553609

Ion Ratio Lower Upper

43 100

58 24.4 20.9 31.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.84

800000

600000

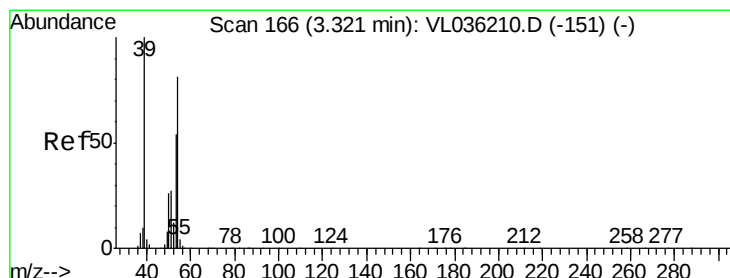
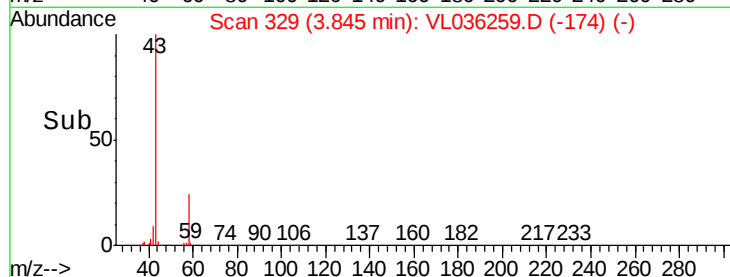
400000

200000

0

3.75 3.80 3.85 3.90 3.95

Time-->



#16

1,3-Butadiene

Concen: 9.849 ppbv

RT: 3.32 min Scan# 166

Delta R.T. -0.00 min

Lab File: VL036259.D

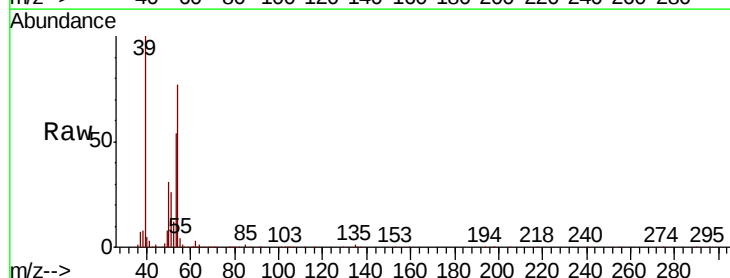
Acq: 20 Jan 2021 23:21

Tgt Ion: 39 Resp: 825086

Ion Ratio Lower Upper

39 100

54 77.3 62.5 93.7



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.32

500000

400000

300000

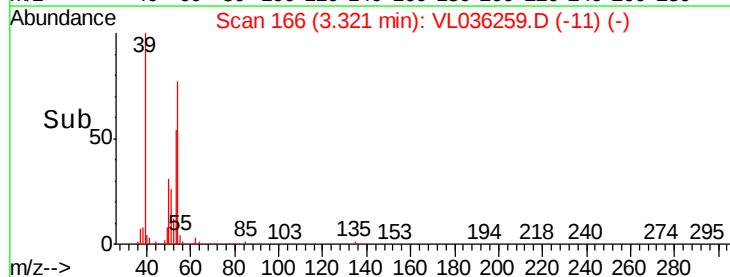
200000

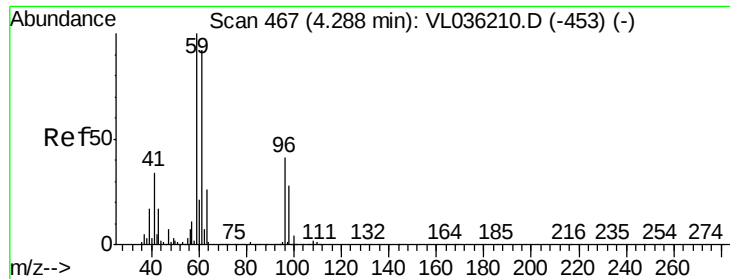
100000

0

3.25 3.30 3.35 3.40

Time-->





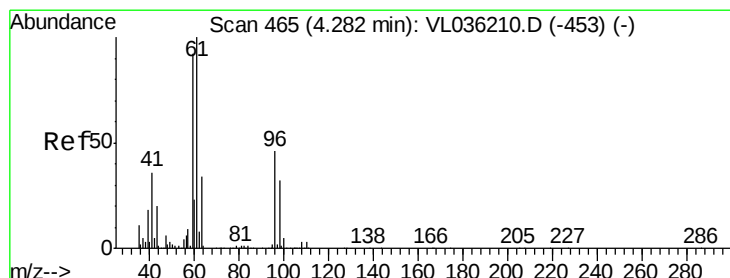
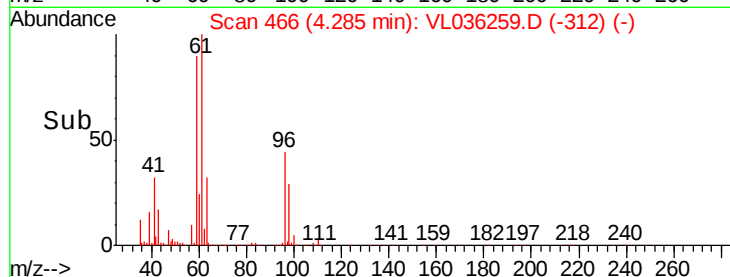
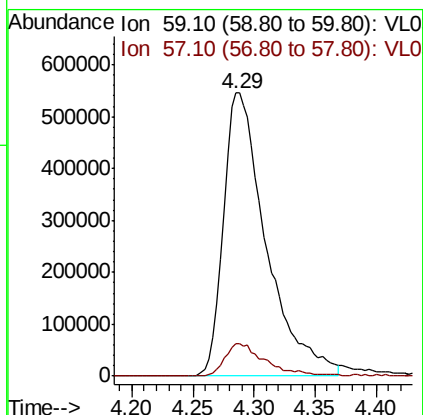
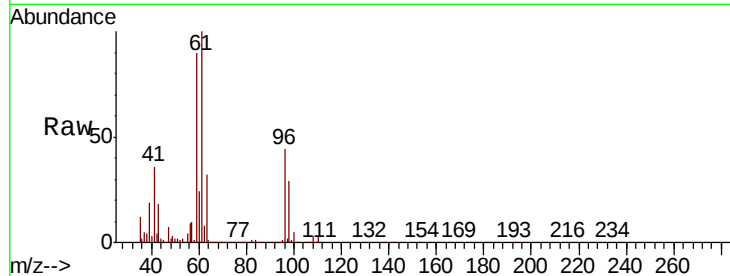
#17

tert-Butyl alcohol
Concen: 9.413 ppbv
RT: 4.29 min Scan# 466
Delta R.T. -0.00 min
Lab File: VL036259.D
Acq: 20 Jan 2021 23:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 59 Resp: 1335705

Ion	Ratio	Lower	Upper
59	100		
57	11.1	9.2	13.8

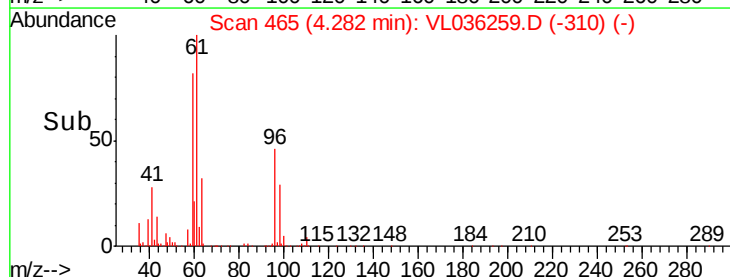
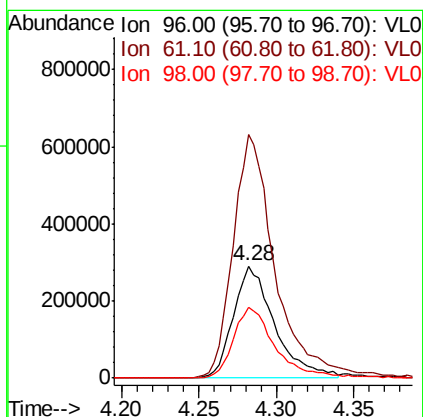
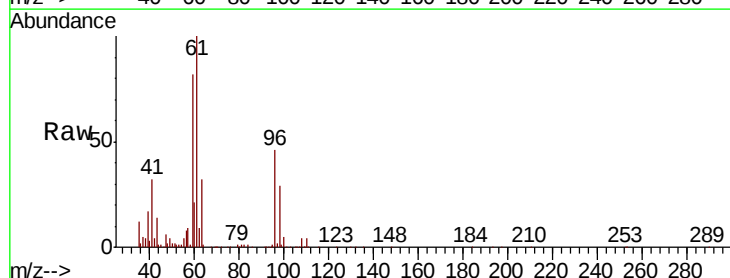


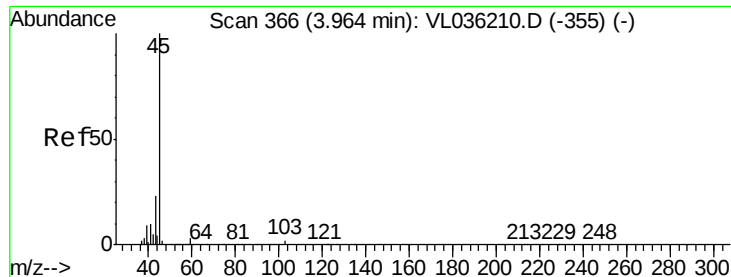
#18

1,1-Dichloroethene
Concen: 9.969 ppbv
RT: 4.28 min Scan# 465
Delta R.T. -0.00 min
Lab File: VL036259.D
Acq: 20 Jan 2021 23:21

Tgt Ion: 96 Resp: 536157

Ion	Ratio	Lower	Upper
96	100		
61	216.8	173.4	260.0
98	63.1	54.9	82.3





#19

Isopropyl Alcohol

Concen: 8.999 ppbv

RT: 3.96 min Scan# 366

Delta R.T. -0.00 min

Lab File: VL036259.D

Acq: 20 Jan 2021 23:21

Instrument :

MSVOA_L

ClientSampleId :

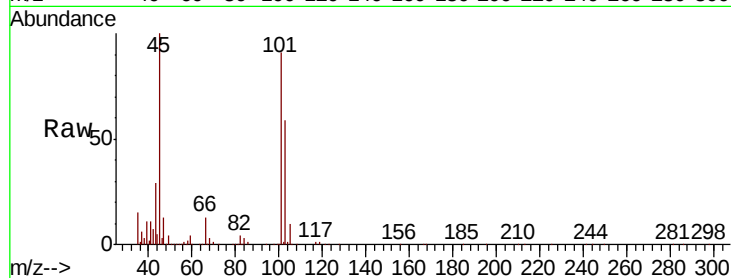
VSTDCCC010EC

Tot Ion: 45 Resp: 932897

Ion Ratio Lower Upper

45 100

58 2.2 1.9 2.9



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.96

400000

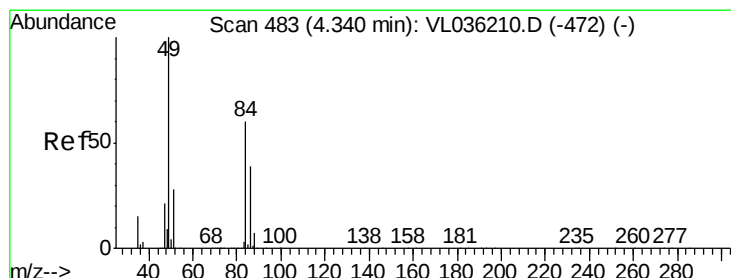
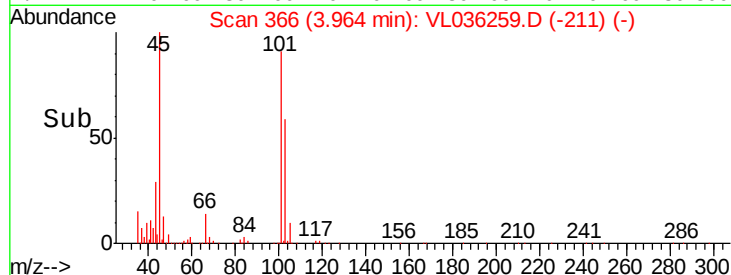
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 8.445 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.00 min

Lab File: VL036259.D

Acq: 20 Jan 2021 23:21

Tgt Ion: 84 Resp: 463488

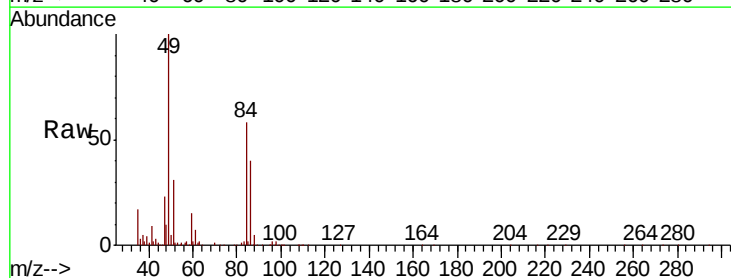
Ion Ratio Lower Upper

84 100

49 170.9 134.1 201.1

51 52.2 37.4 56.0

86 68.5 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

500000

400000

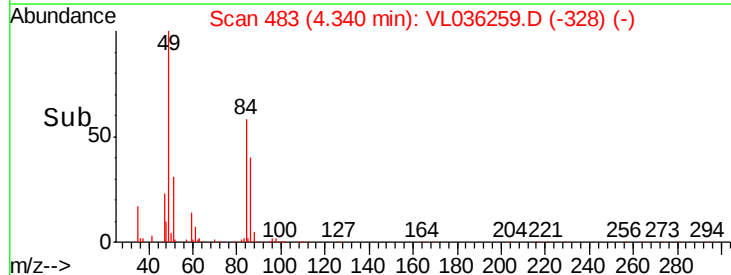
300000

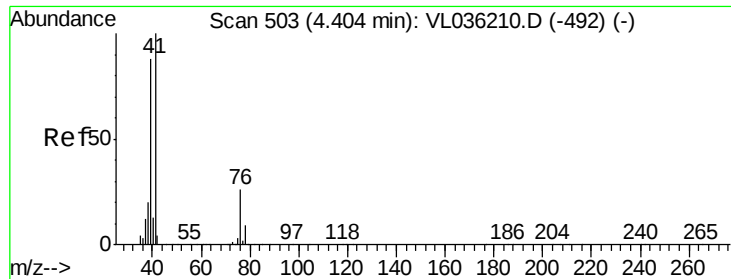
200000

100000

0

Time-->

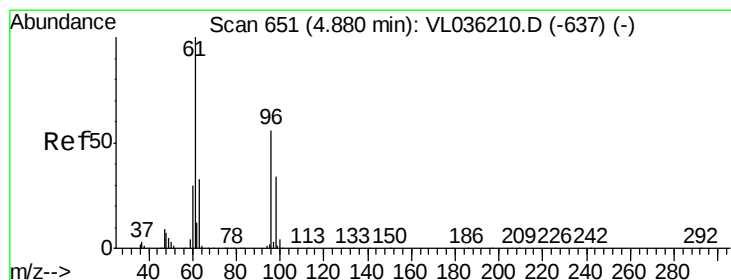
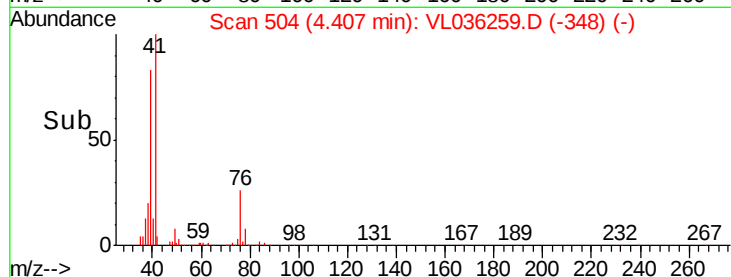
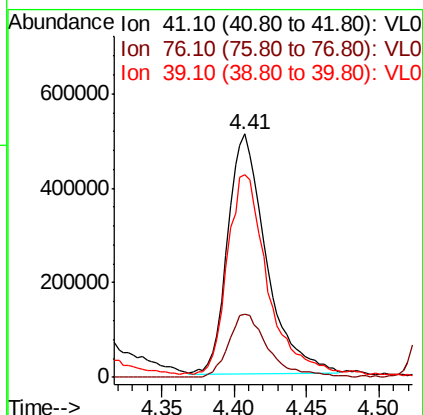
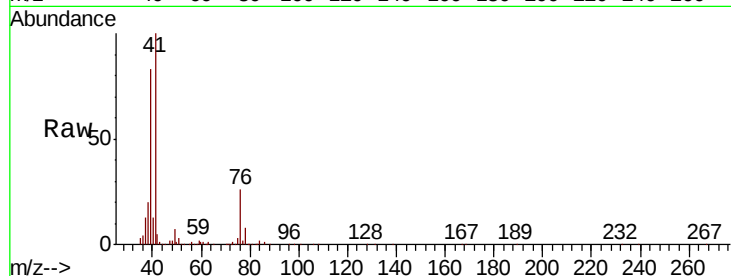




#21
Allvl Chloride
Concen: 10.010 ppbv
RT: 4.41 min Scan# 504
Delta R.T. 0.00 min
Lab File: VL036259.D
Acq: 20 Jan 2021 23:21

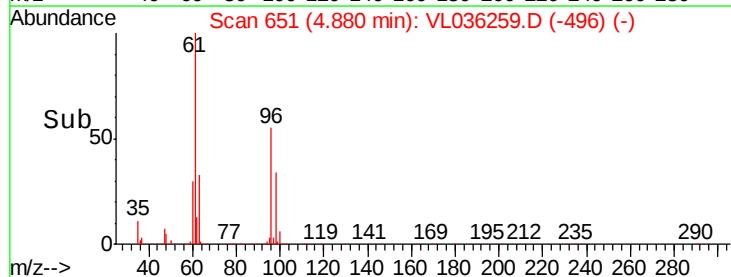
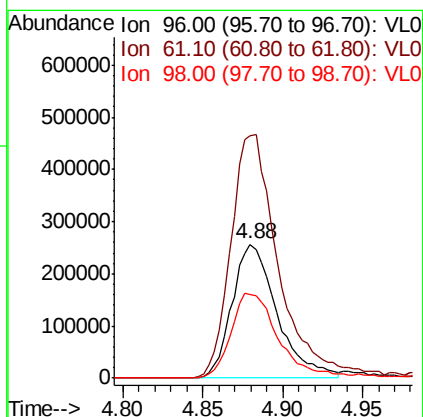
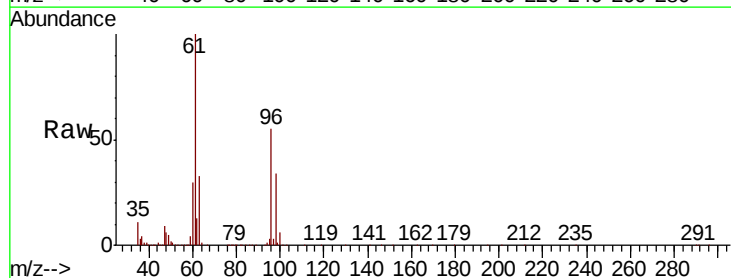
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

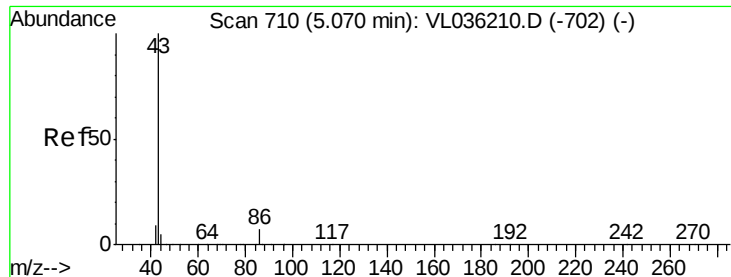
Tot Ion: 41 Resp: 936971
Ion Ratio Lower Upper
41 100
76 27.5 20.5 30.7
39 89.3 67.8 101.8



#22
trans-1,2-Dichloroethene
Concen: 9.877 ppbv
RT: 4.88 min Scan# 651
Delta R.T. -0.00 min
Lab File: VL036259.D
Acq: 20 Jan 2021 23:21

Tgt Ion: 96 Resp: 490812
Ion Ratio Lower Upper
96 100
61 181.3 142.7 214.1
98 62.1 48.7 73.1





#23

Vinyl Acetate

Concen: 9.880 ppbv

RT: 5.07 min Scan# 710

Delta R.T. -0.00 min

Lab File: VL036259.D

Acq: 20 Jan 2021 23:21

Instrument :

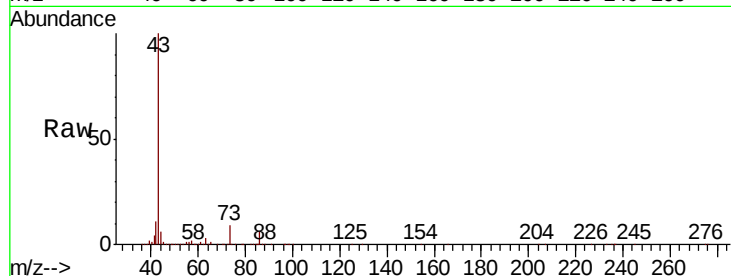
MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 2058731

Ion	Ratio	Lower	Upper
43	100		
86	6.1	4.9	7.3
42	10.9	7.8	11.6
44	5.3	3.7	5.5

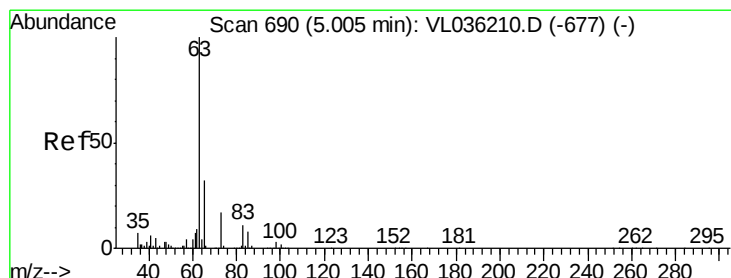
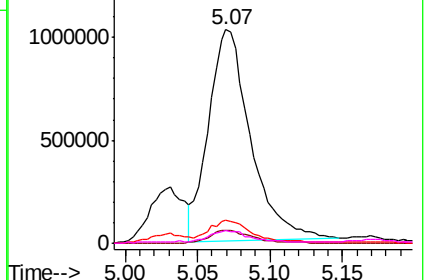
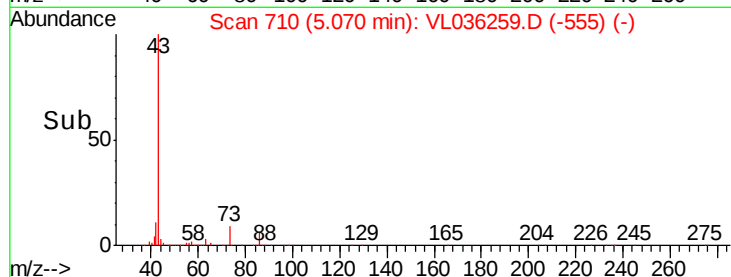


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.121 ppbv

RT: 5.01 min Scan# 690

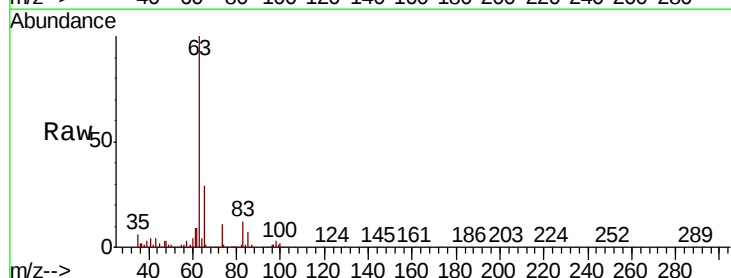
Delta R.T. -0.00 min

Lab File: VL036259.D

Acq: 20 Jan 2021 23:21

Tgt Ion: 63 Resp: 1527640

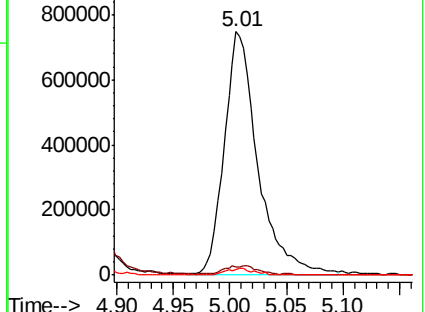
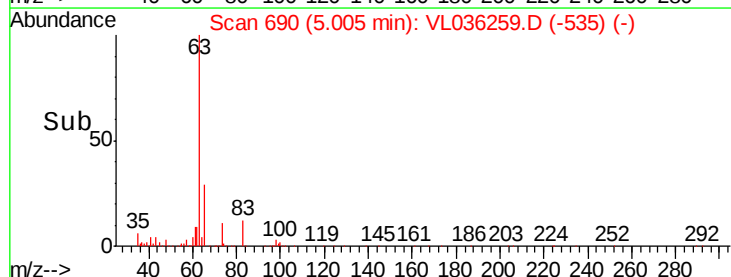
Ion	Ratio	Lower	Upper
63	100		
98	3.3	1.7	5.1
100	2.2	1.1	3.1

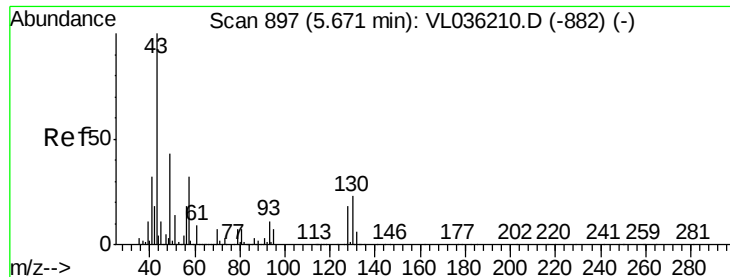


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



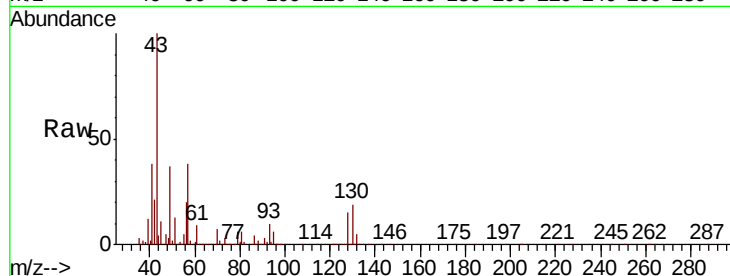


#25
Ethyl Acetate
Concen: 9.482 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL036259.D
Acq: 20 Jan 2021 23:21

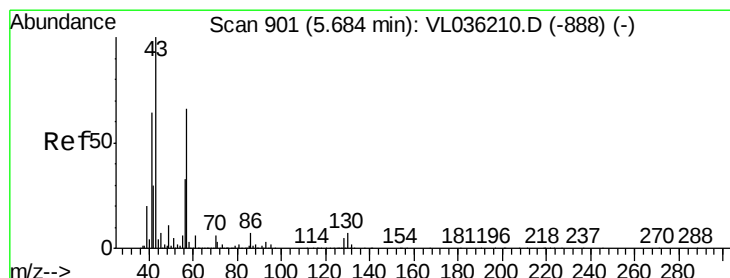
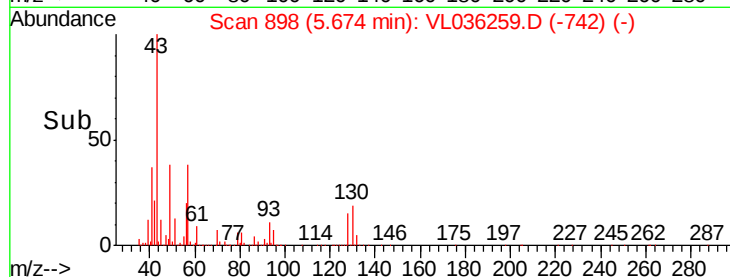
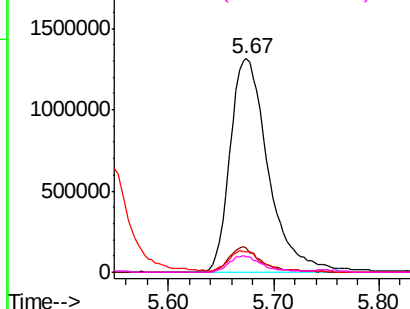
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 3273712

Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.3	12.5
61	9.6	7.4	11.2
70	6.7	5.5	8.3



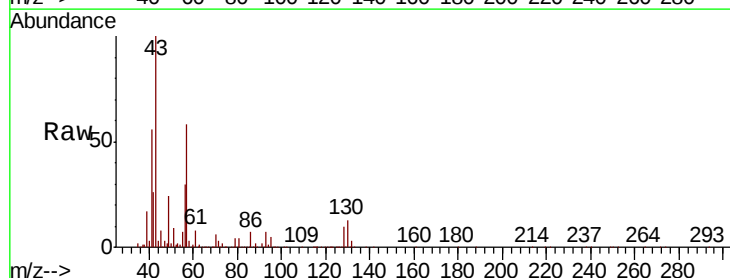
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



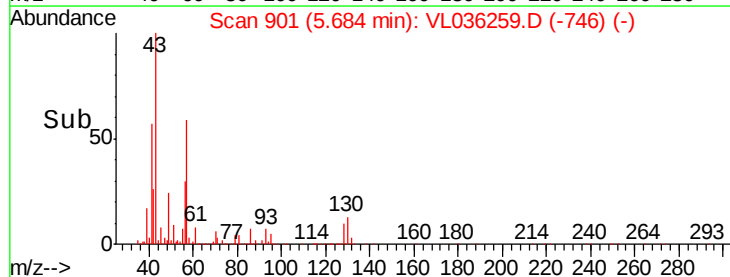
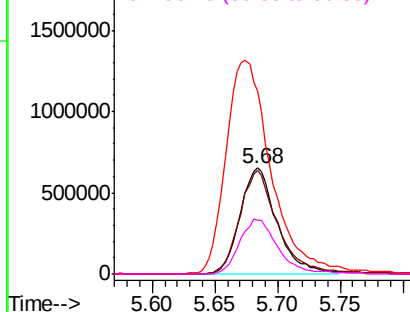
#26
Hexane
Concen: 9.277 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.00 min
Lab File: VL036259.D
Acq: 20 Jan 2021 23:21

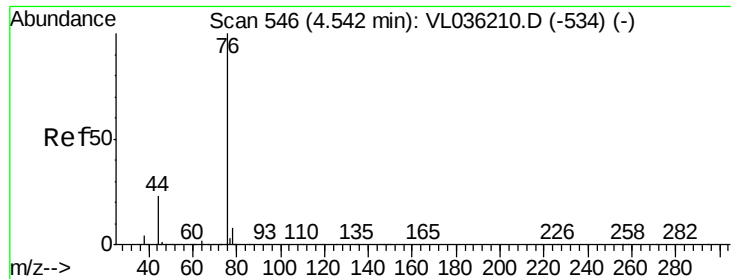
Tgt Ion: 57 Resp: 1333407

Ion	Ratio	Lower	Upper
57	100		
41	102.7	83.0	124.6
43	250.4	202.4	303.6
56	54.4	43.4	65.0



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 11.287 ppbv

RT: 4.55 min Scan# 547

Delta R.T. 0.00 min

Lab File: VL036259.D

Acq: 20 Jan 2021 23:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

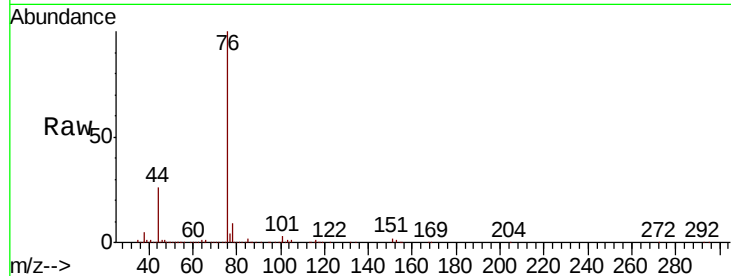
Tot Ion: 76 Resp: 1297327

Ion	Ratio	Lower	Upper
76	100		
44	23.7	19.0	28.6
78	9.9	8.0	12.0

76 100

44 23.7 19.0 28.6

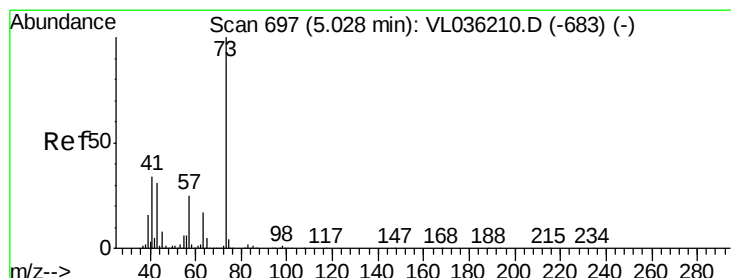
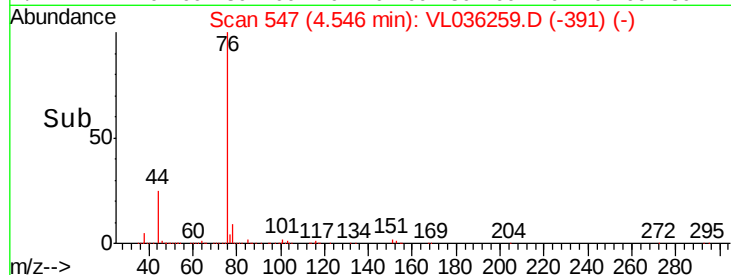
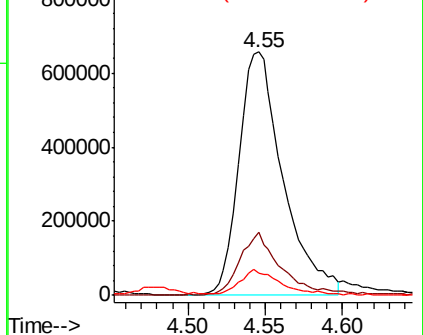
78 9.9 8.0 12.0



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: 9.429 ppbv

RT: 5.03 min Scan# 698

Delta R.T. 0.00 min

Lab File: VL036259.D

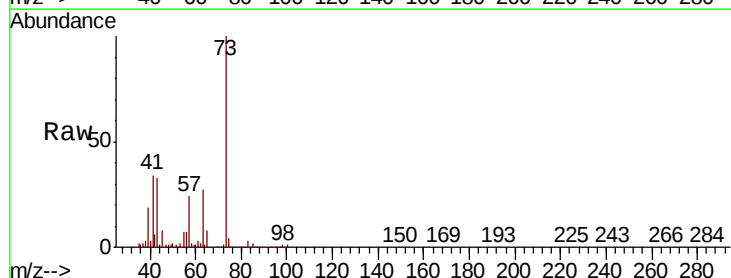
Acq: 20 Jan 2021 23:21

Tgt Ion: 73 Resp: 1832813

Ion	Ratio	Lower	Upper
73	100		
57	24.2	20.4	30.6

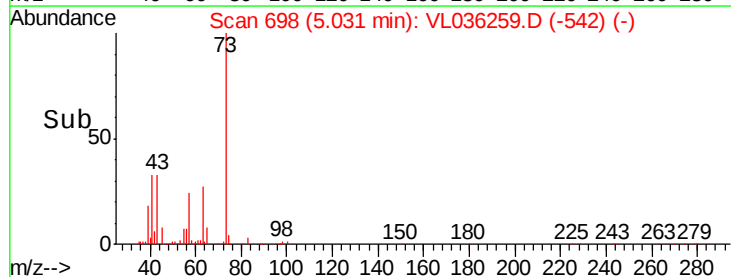
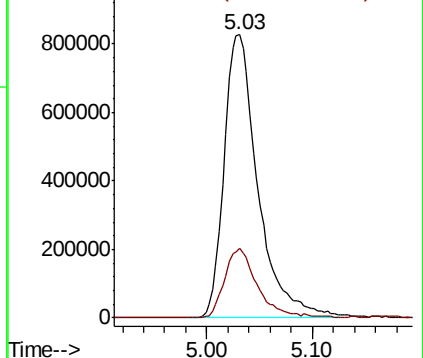
73 100

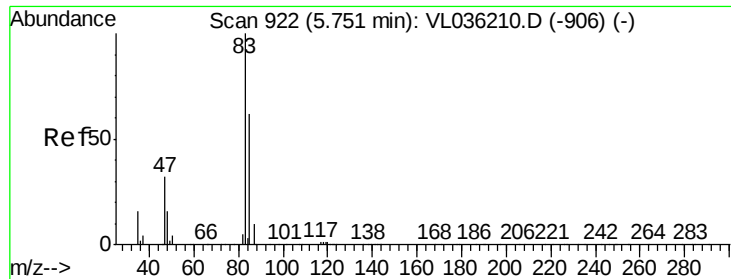
57 24.2 20.4 30.6



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 10.239 ppbv

RT: 5.75 min Scan# 922

Delta R.T. -0.00 min

Lab File: VL036259.D

Acq: 20 Jan 2021 23:21

Instrument :

MSVOA_L

ClientSampleId :

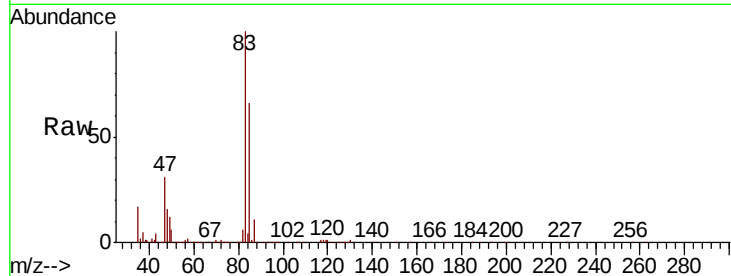
VSTDCCC010EC

Tot Ion: 83 Resp: 2107312

Ion Ratio Lower Upper

83 100

85 65.7 49.3 73.9



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

5.75

1000000

800000

600000

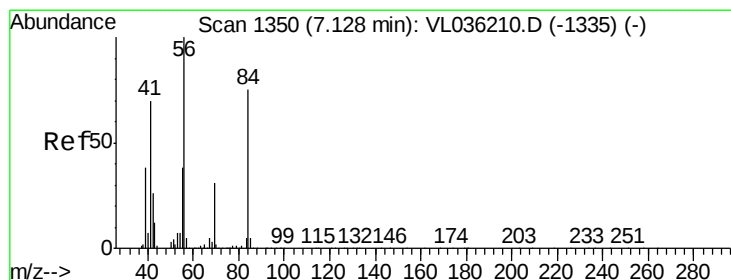
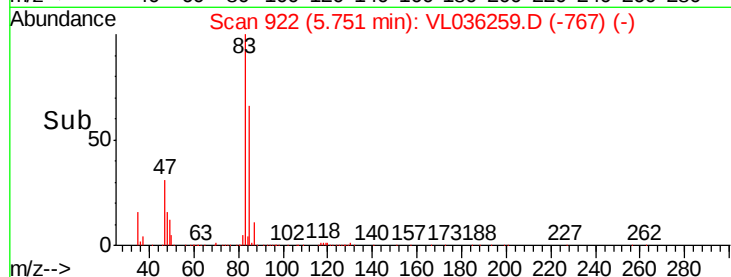
400000

200000

0

Time-->

5.65 5.70 5.75 5.80 5.85



#30

Cyclohexane

Concen: 10.065 ppbv

RT: 7.12 min Scan# 1349

Delta R.T. -0.00 min

Lab File: VL036259.D

Acq: 20 Jan 2021 23:21

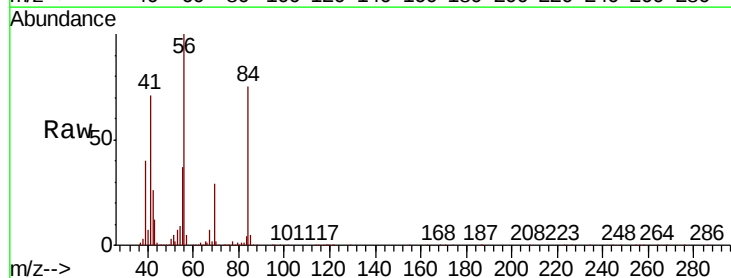
Tgt Ion: 84 Resp: 1105522

Ion Ratio Lower Upper

84 100

56 148.5 119.4 179.0

41 97.5 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

800000

600000

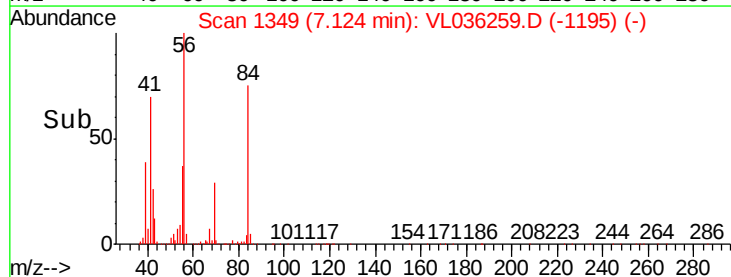
400000

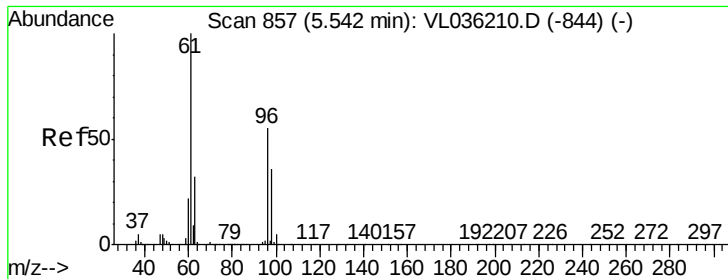
200000

0

Time-->

7.05 7.10 7.15 7.20 7.25



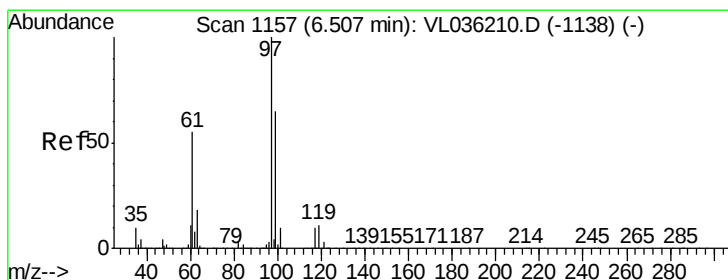
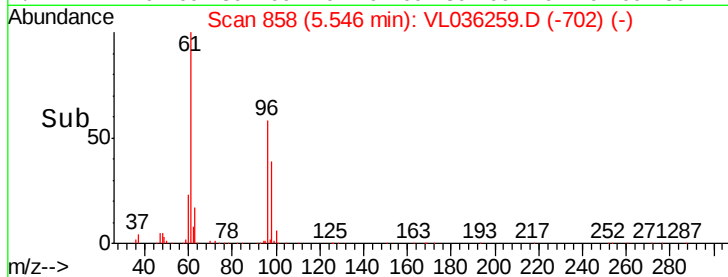
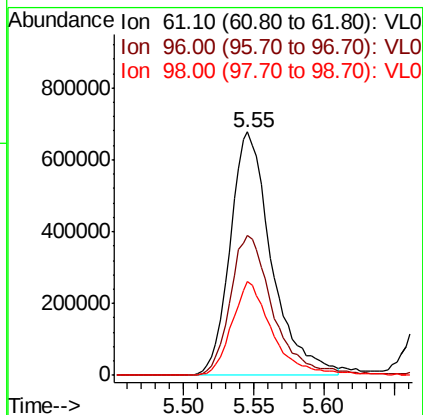
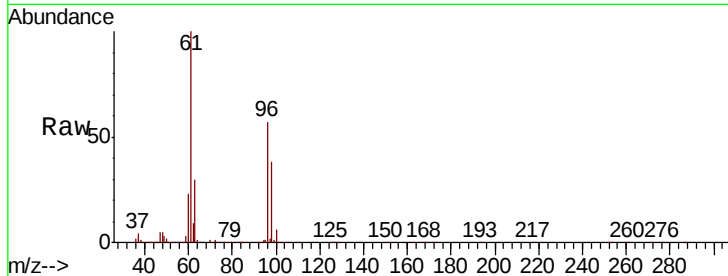


#31

cis-1,2-Dichloroethene
 Concen: 10.121 ppbv
 RT: 5.55 min Scan# 858
 Delta R.T. 0.00 min
 Lab File: VL036259.D
 Acq: 20 Jan 2021 23:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

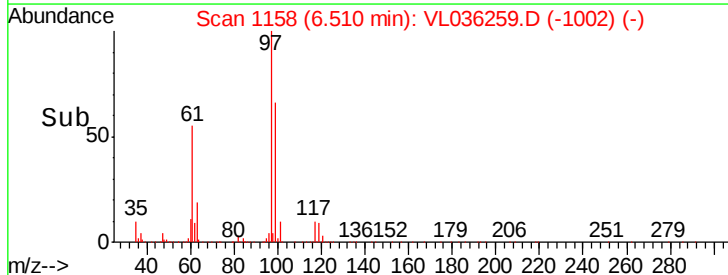
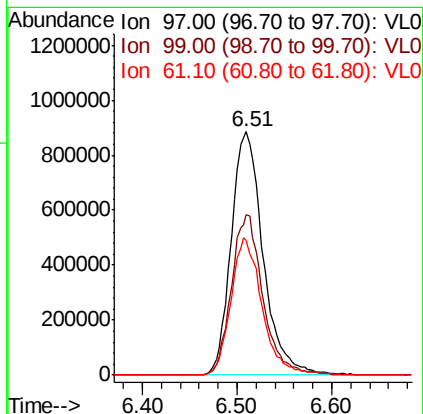
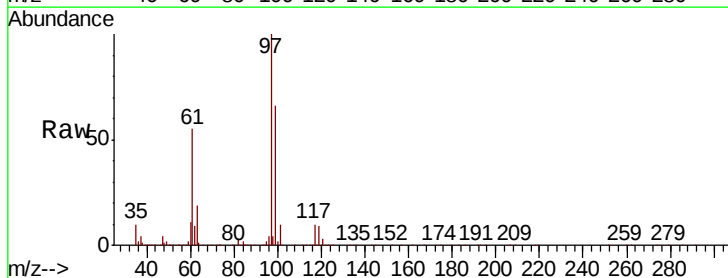
Tot Ion: 61 Resp: 1390460
 Ion Ratio Lower Upper
 61 100
 96 57.3 44.1 66.1
 98 38.5 28.6 42.8

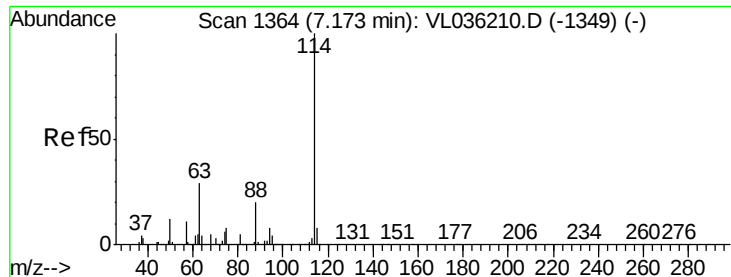


#32

1,1,1-Trichloroethane
 Concen: 10.431 ppbv
 RT: 6.51 min Scan# 1158
 Delta R.T. 0.00 min
 Lab File: VL036259.D
 Acq: 20 Jan 2021 23:21

Tgt Ion: 97 Resp: 2076313
 Ion Ratio Lower Upper
 97 100
 99 65.0 52.0 78.0
 61 55.1 43.6 65.4

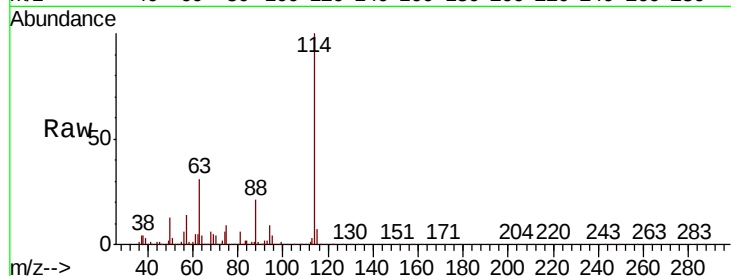




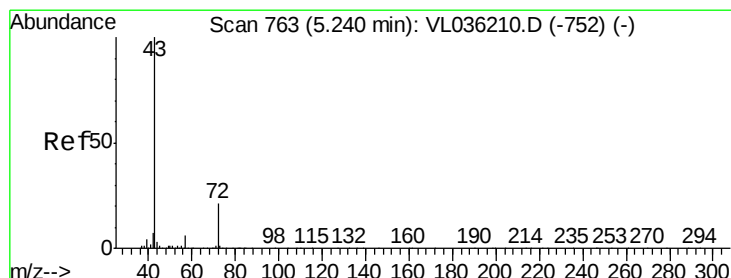
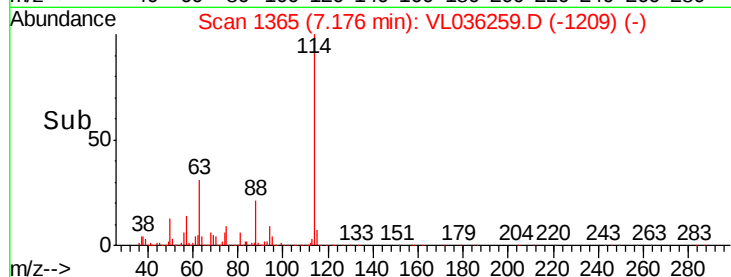
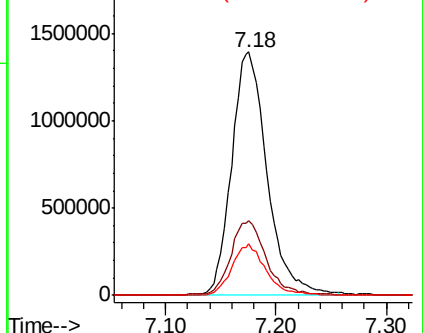
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VL036259.D
 Acq: 20 Jan 2021 23:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:114 Resp: 3107568
 Ion Ratio Lower Upper
 114 100
 63 31.2 24.7 37.1
 88 20.3 16.6 24.8

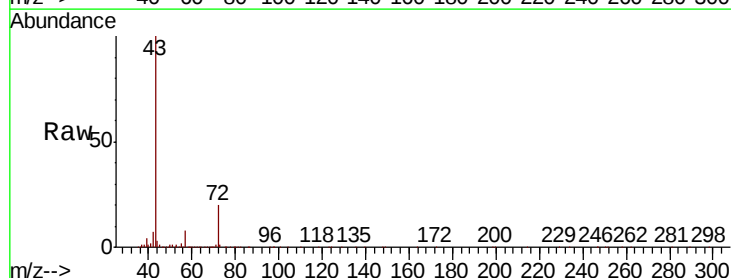


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

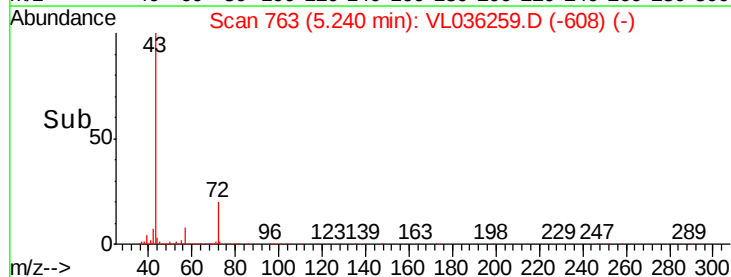
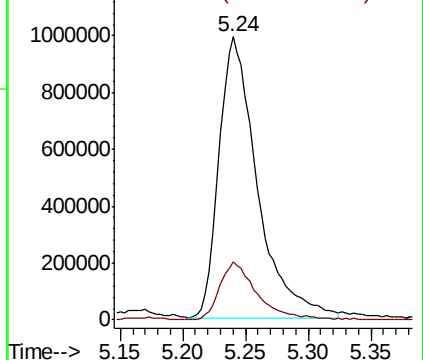


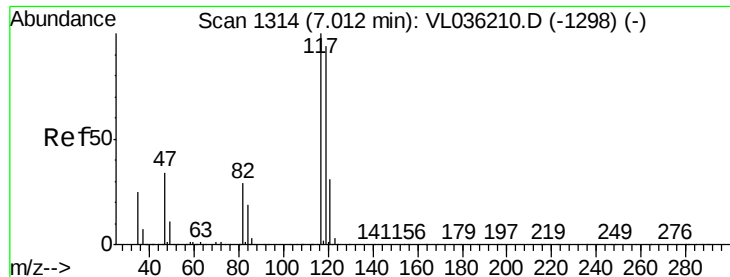
#34
 2-Butanone
 Concen: 9.166 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. -0.00 min
 Lab File: VL036259.D
 Acq: 20 Jan 2021 23:21

Tgt Ion: 43 Resp: 2097724
 Ion Ratio Lower Upper
 43 100
 72 19.9 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: 10.642 ppbv

RT: 7.01 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VL036259.D

Acq: 20 Jan 2021 23:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

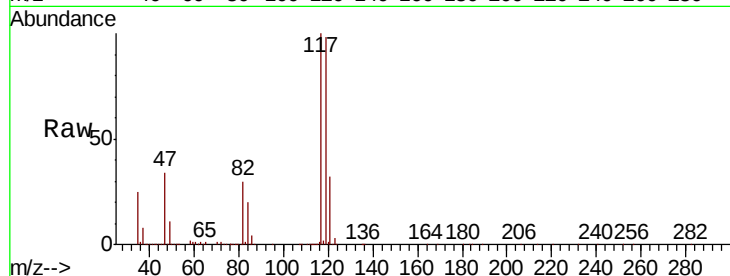
Tot Ion:117 Resp: 2089446

Ion Ratio Lower Upper

117 100

119 97.9 74.9 112.3

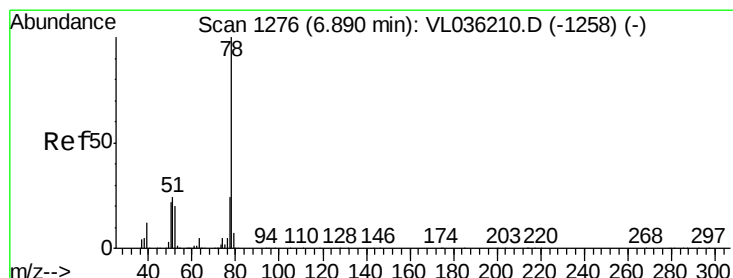
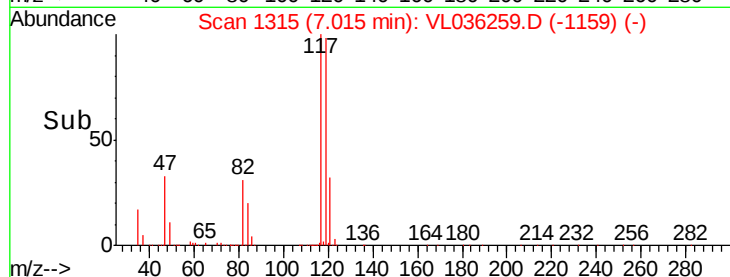
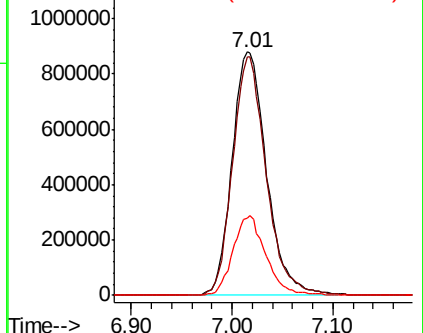
121 31.5 25.0 37.6



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: 9.663 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VL036259.D

Acq: 20 Jan 2021 23:21

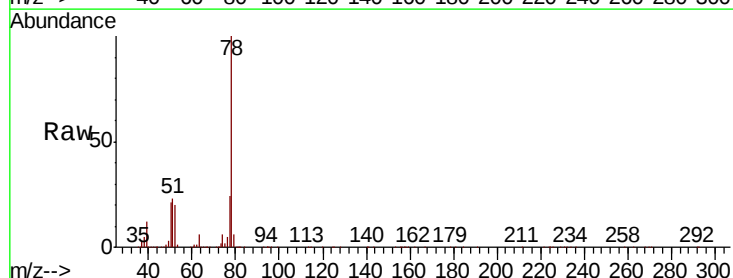
Tgt Ion: 78 Resp: 2751327

Ion Ratio Lower Upper

78 100

77 23.8 19.4 29.0

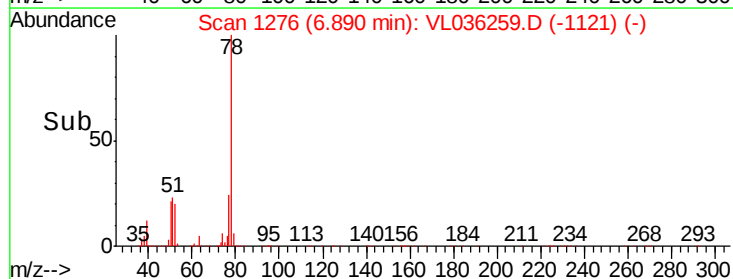
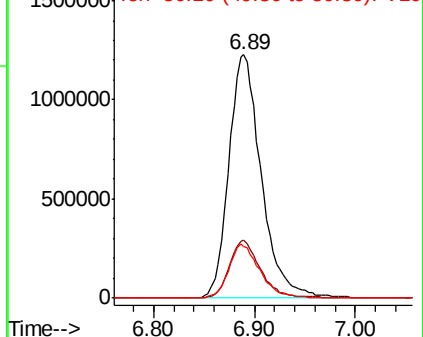
50 21.2 17.4 26.2

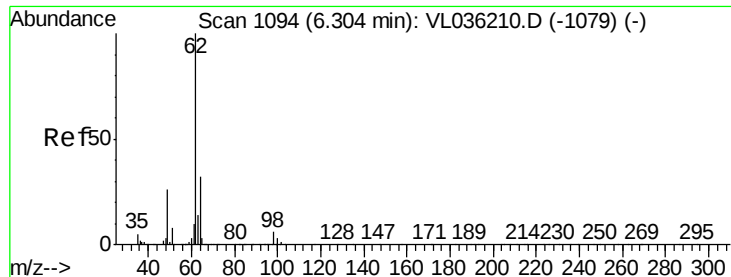


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

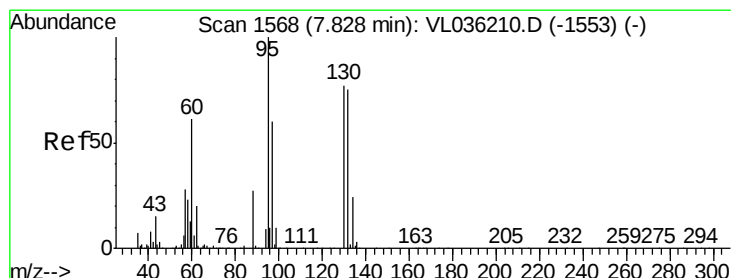
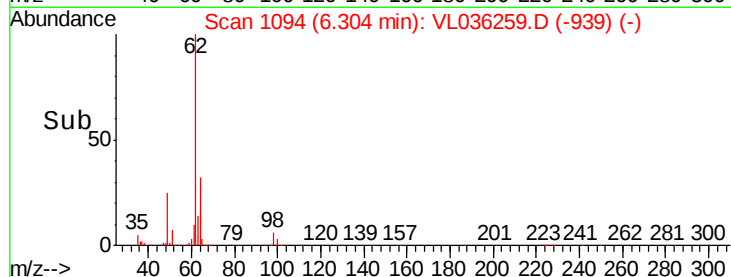
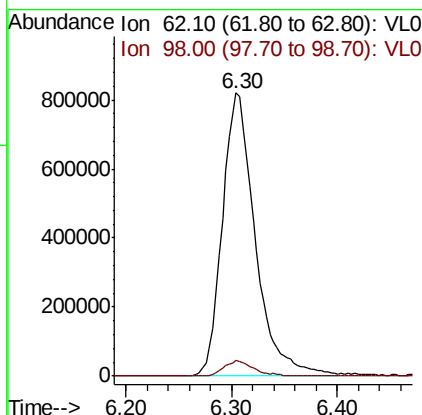
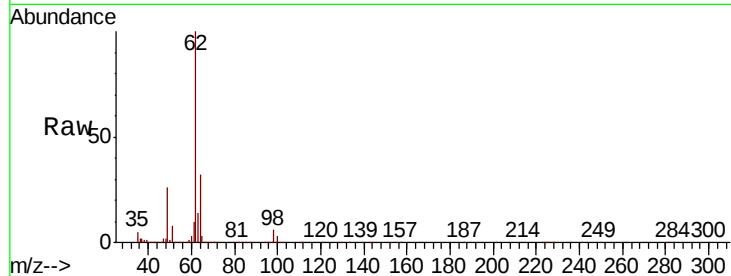




#37
 1,2-Dichloroethane
 Concen: 10.335 ppbv
 RT: 6.30 min Scan# 1094
 Delta R.T. -0.00 min
 Lab File: VL036259.D
 Acq: 20 Jan 2021 23:21

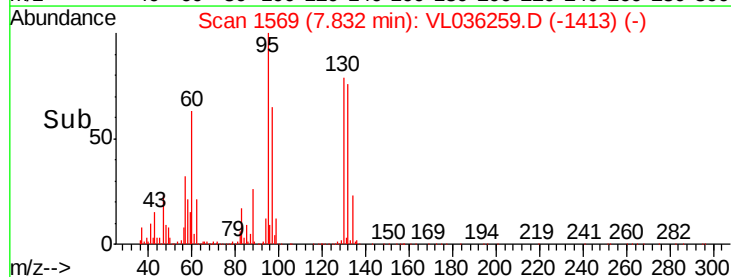
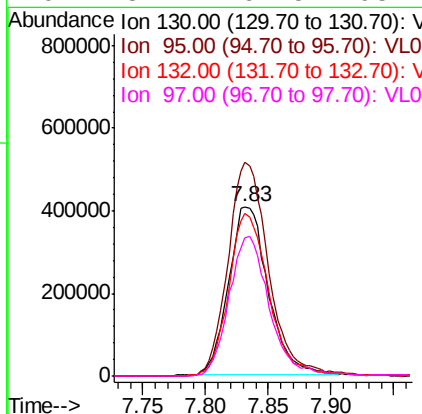
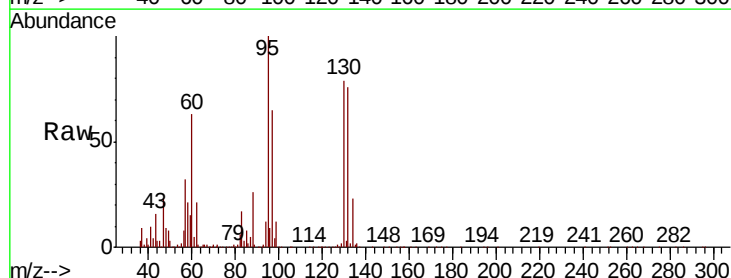
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

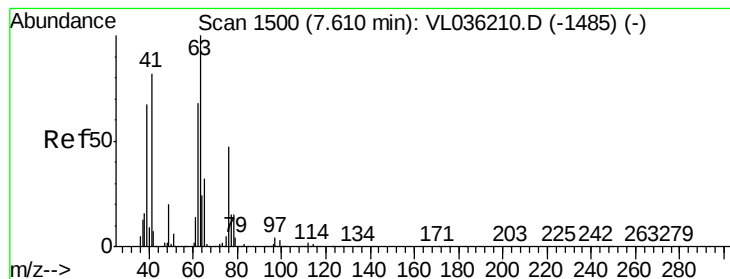
Tot Ion: 62 Resp: 1770874
 Ion Ratio Lower Upper
 62 100
 98 5.3 4.4 6.6



#38
 Trichloroethene
 Concen: 8.554 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VL036259.D
 Acq: 20 Jan 2021 23:21

Tgt Ion:130 Resp: 902161
 Ion Ratio Lower Upper
 130 100
 95 126.1 103.9 155.9
 132 95.5 77.4 116.2
 97 81.7 62.5 93.7





#39

1,2-Dichloropropane

Concen: 9.616 ppbv

RT: 7.61 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VL036259.D

Acq: 20 Jan 2021 23:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

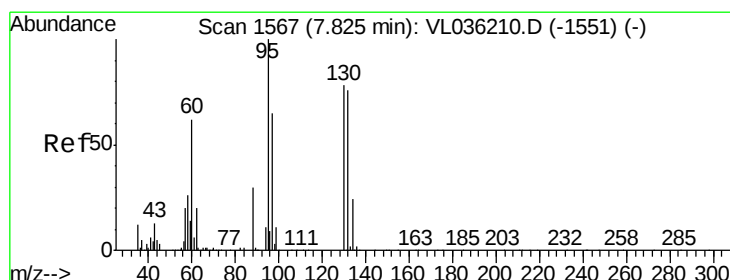
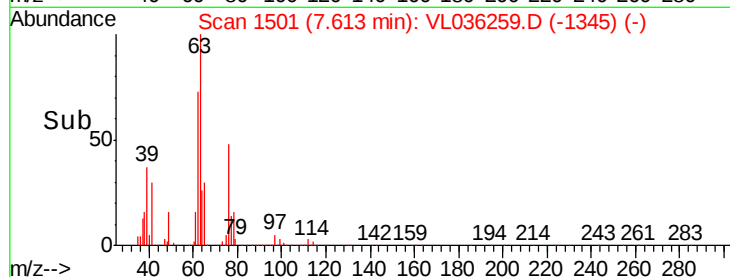
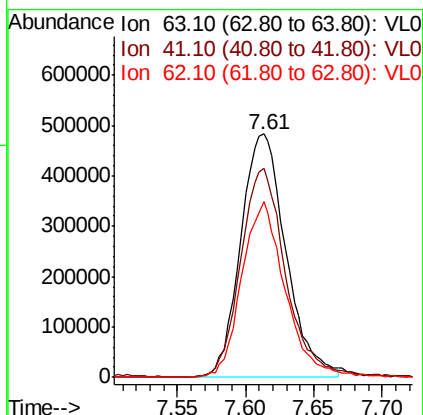
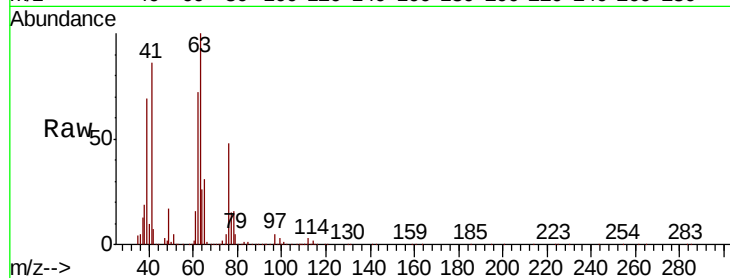
Tot Ion: 63 Resp: 1111747

Ion Ratio Lower Upper

63 100

41 85.9 66.1 99.1

62 72.2 54.8 82.2



#40

1,4-Dioxane

Concen: 8.831 ppbv

RT: 7.83 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VL036259.D

Acq: 20 Jan 2021 23:21

Tgt Ion: 88 Resp: 369323

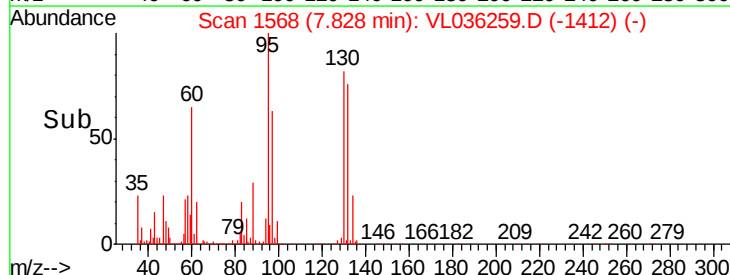
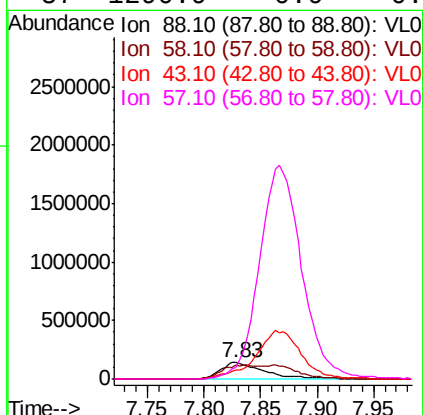
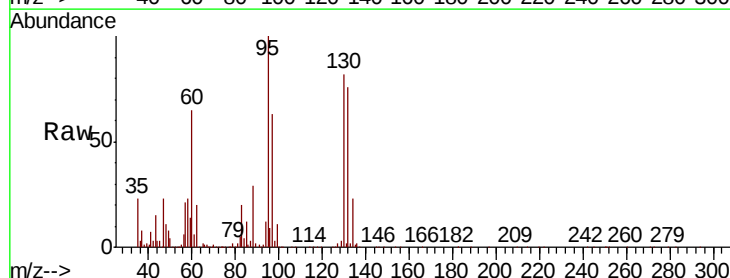
Ion Ratio Lower Upper

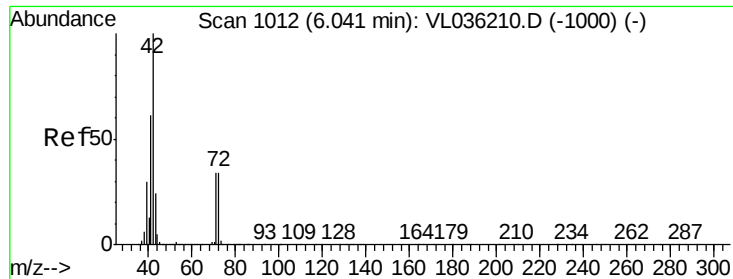
88 100

58 140.1 123.0 184.6

43 313.3 0.0 0.0#

57 1290.9 0.0 0.0#

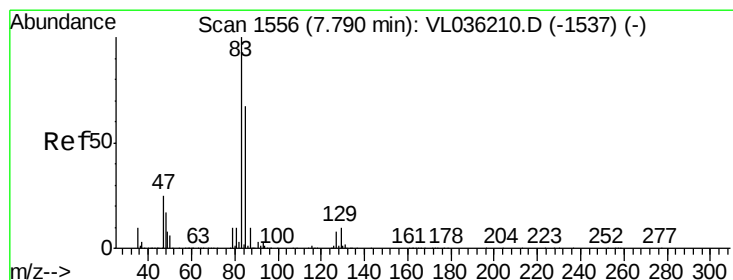
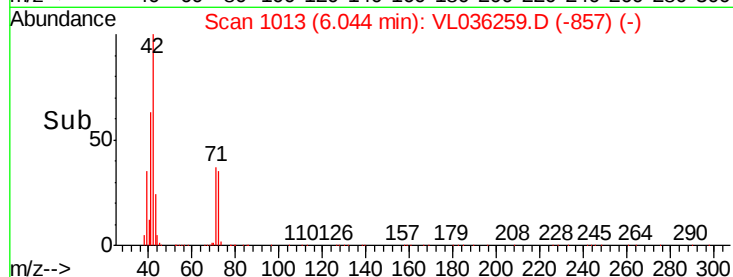
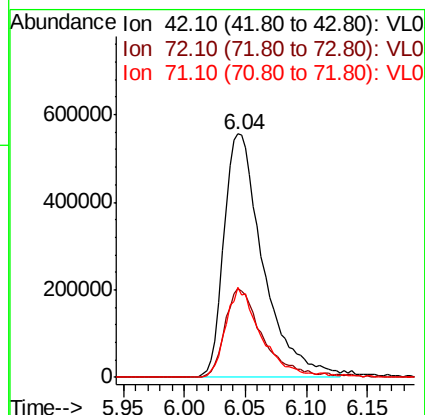
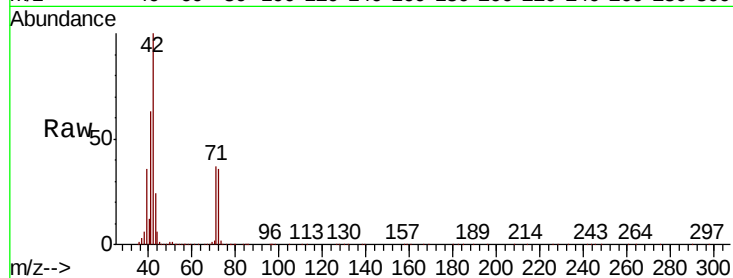




#41
Tetrahydrofuran
Concen: 9.421 ppbv
RT: 6.04 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VL036259.D
Acq: 20 Jan 2021 23:21

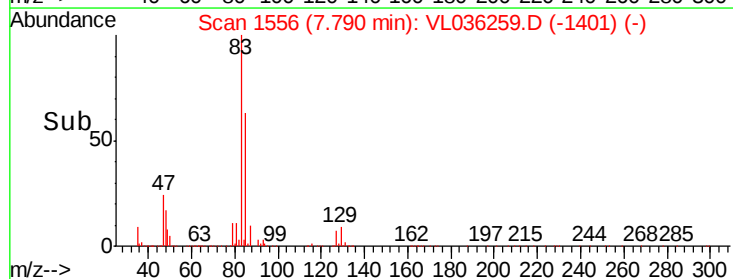
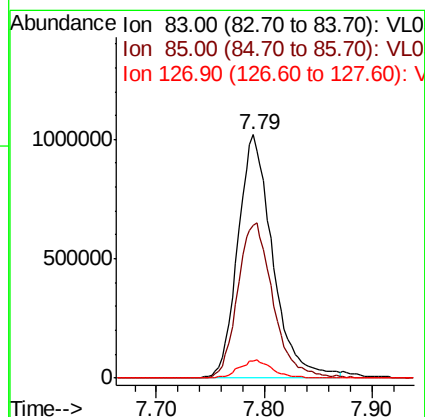
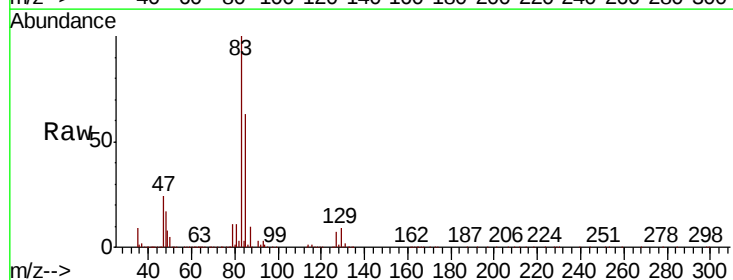
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

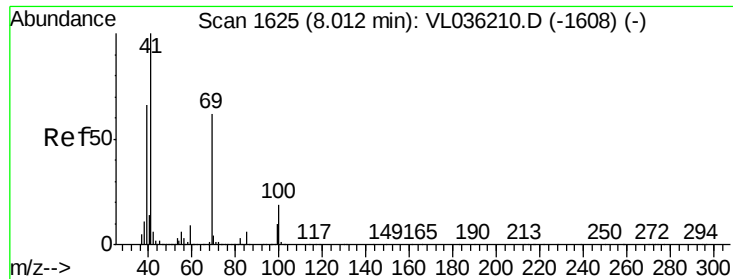
Tot Ion: 42 Resp: 1246040
Ion Ratio Lower Upper
42 100
72 36.0 29.5 44.3
71 34.5 29.1 43.7



#42
Bromodichloromethane
Concen: 10.593 ppbv
RT: 7.79 min Scan# 1556
Delta R.T. -0.00 min
Lab File: VL036259.D
Acq: 20 Jan 2021 23:21

Tgt Ion: 83 Resp: 2281263
Ion Ratio Lower Upper
83 100
85 62.5 53.4 80.2
127 7.2 6.2 9.2





#43

Methyl Methacrylate

Concen: 10.131 ppbv

RT: 8.01 min Scan# 1624

Delta R.T. -0.00 min

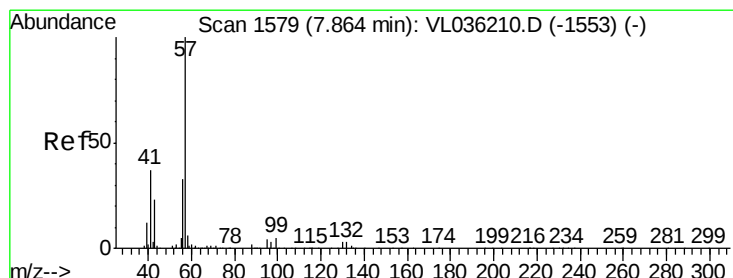
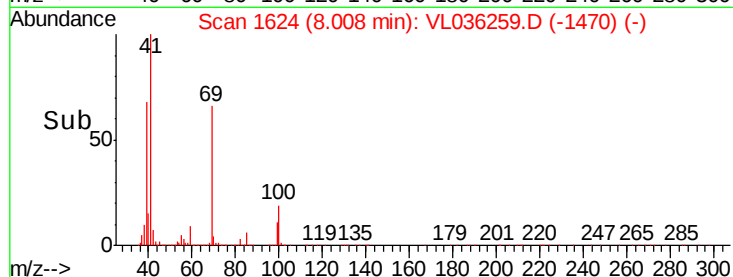
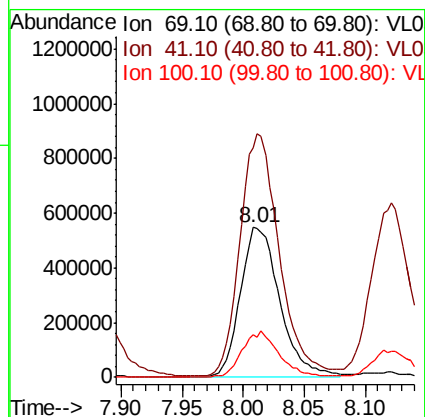
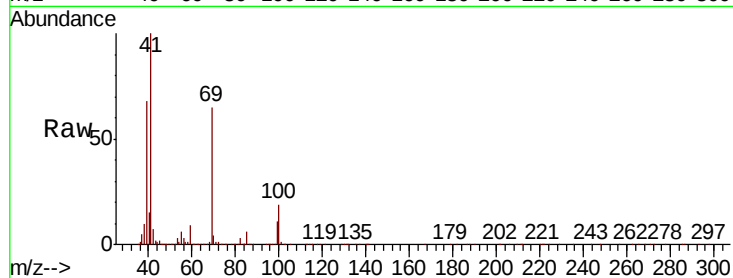
Lab File: VL036259.D

Acq: 20 Jan 2021 23:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 69 Resp: 1225857

Ion	Ratio	Lower	Upper
69	100		
41	162.1	133.4	200.2
100	29.3	24.3	36.5



#44

2,2,4-Trimethylpentane

Concen: 9.093 ppbv

RT: 7.87 min Scan# 1580

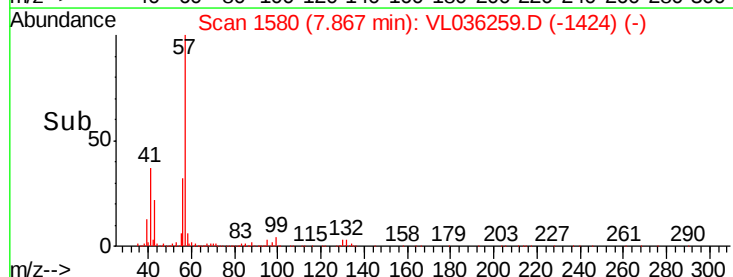
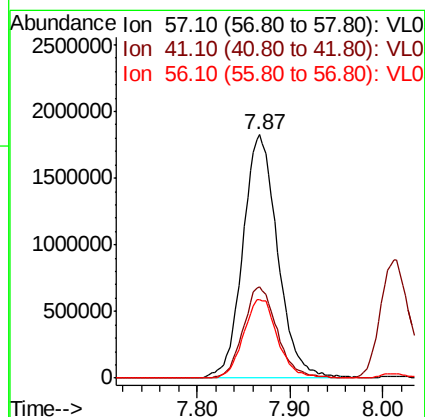
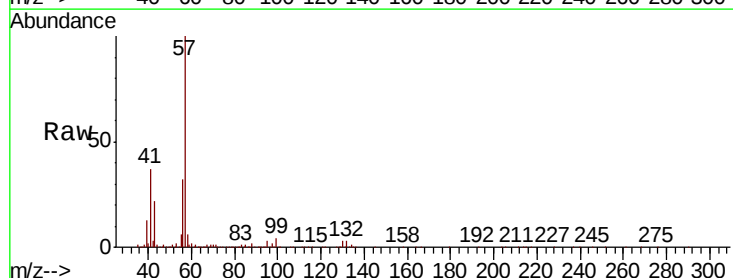
Delta R.T. 0.00 min

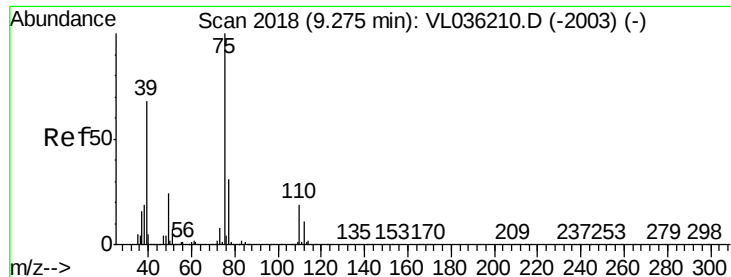
Lab File: VL036259.D

Acq: 20 Jan 2021 23:21

Tgt Ion: 57 Resp: 4755436

Ion	Ratio	Lower	Upper
57	100		
41	36.5	28.5	42.7
56	31.9	25.5	38.3

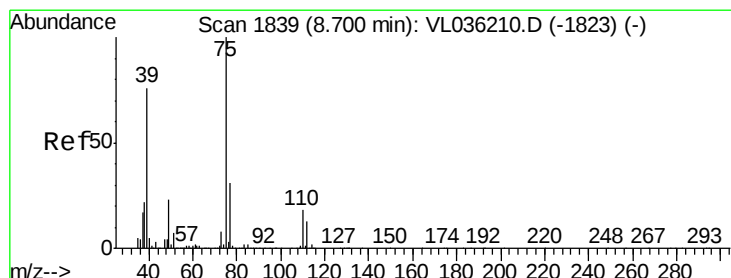
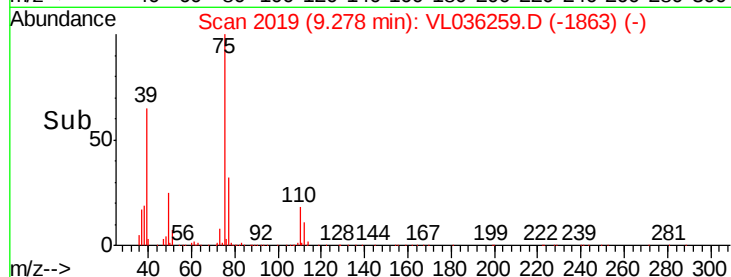
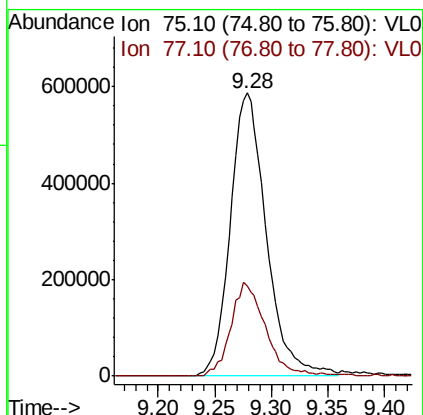
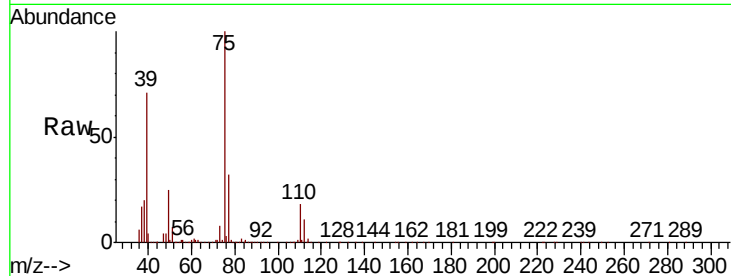




#45
 t-1,3-Dichloropropene
 Concen: 11.313 ppbv
 RT: 9.28 min Scan# 2019
 Delta R.T. 0.00 min
 Lab File: VL036259.D
 Acq: 20 Jan 2021 23:21

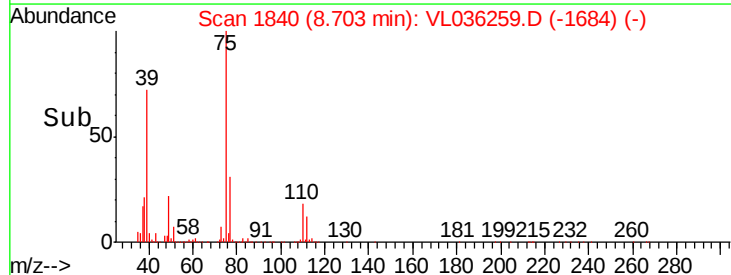
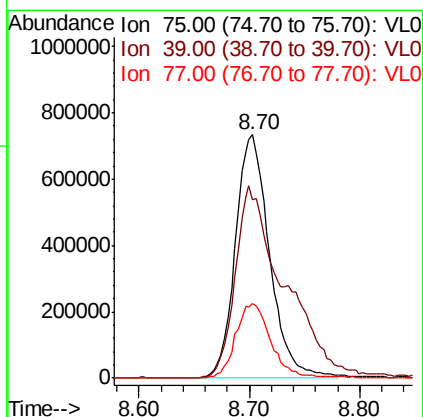
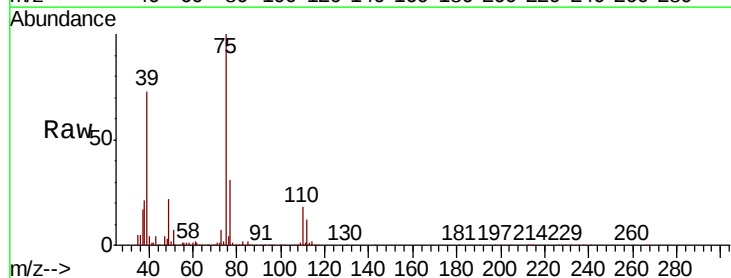
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

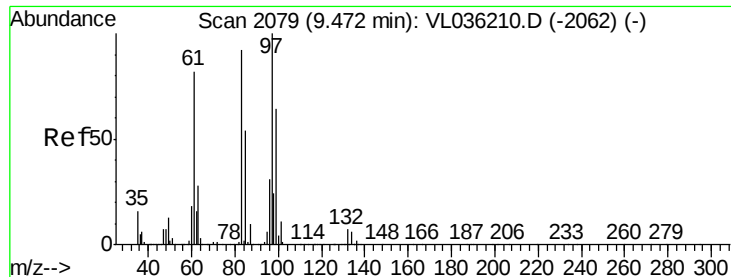
Tot Ion: 75 Resp: 1300233
 Ion Ratio Lower Upper
 75 100
 77 32.0 24.7 37.1



#46
 cis-1,3-Dichloropropene
 Concen: 10.660 ppbv
 RT: 8.70 min Scan# 1840
 Delta R.T. 0.00 min
 Lab File: VL036259.D
 Acq: 20 Jan 2021 23:21

Tgt Ion: 75 Resp: 1574368
 Ion Ratio Lower Upper
 75 100
 39 73.1 61.2 91.8
 77 30.8 24.6 37.0



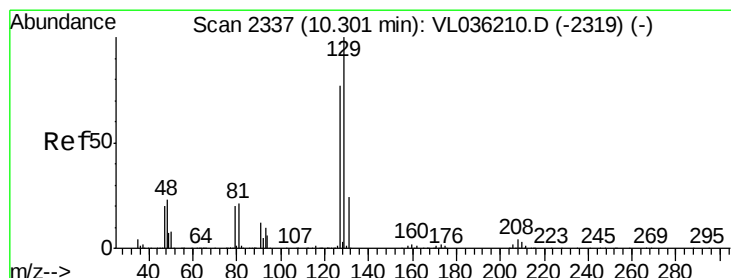
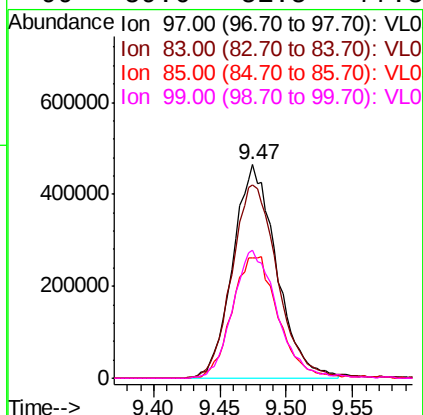
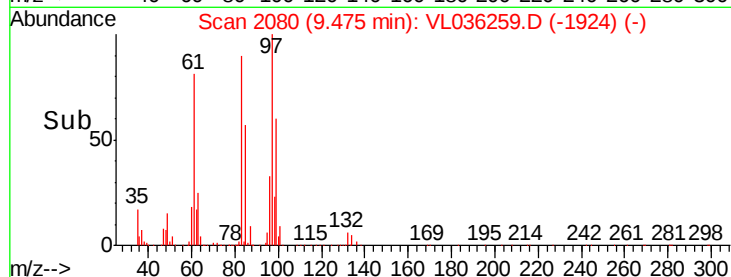
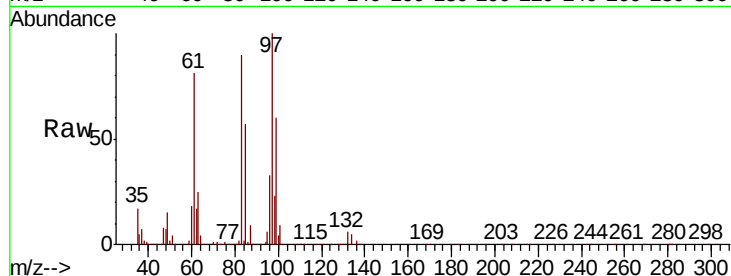


#47
 1,1,2-Trichloroethane
 Concen: 9.542 ppbv
 RT: 9.47 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VL036259.D
 Acq: 20 Jan 2021 23:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 97 Resp: 1055350

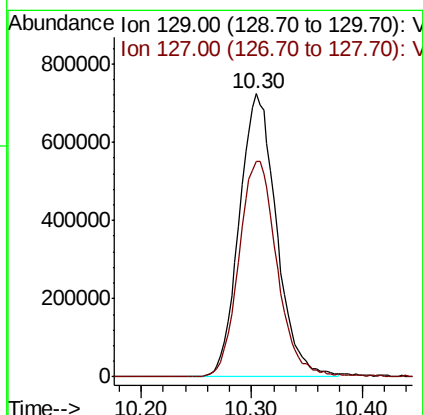
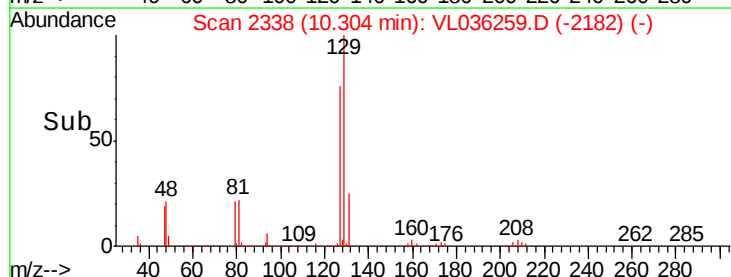
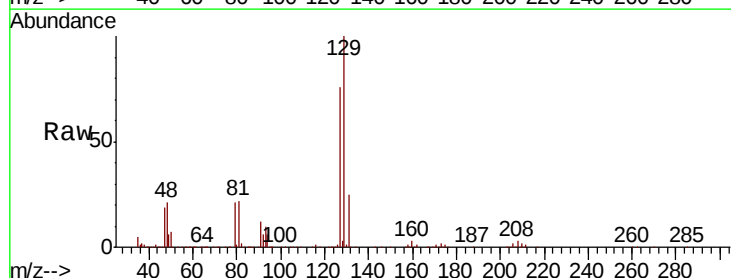
Ion	Ratio	Lower	Upper
97	100		
83	90.0	73.3	109.9
85	56.7	43.2	64.8
99	59.6	51.5	77.3

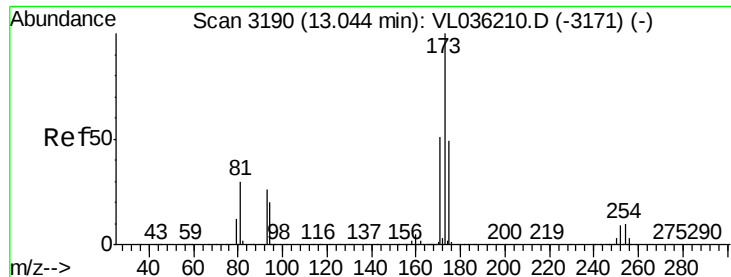


#48
 Dibromochloromethane
 Concen: 10.457 ppbv
 RT: 10.30 min Scan# 2338
 Delta R.T. 0.00 min
 Lab File: VL036259.D
 Acq: 20 Jan 2021 23:21

Tgt Ion: 129 Resp: 1691976

Ion	Ratio	Lower	Upper
129	100		
127	78.9	39.6	118.8





#49

Bromoform

Concen: 9.697 ppbv

RT: 13.04 min Scan# 3189

Delta R.T. -0.00 min

Lab File: VL036259.D

Acq: 20 Jan 2021 23:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

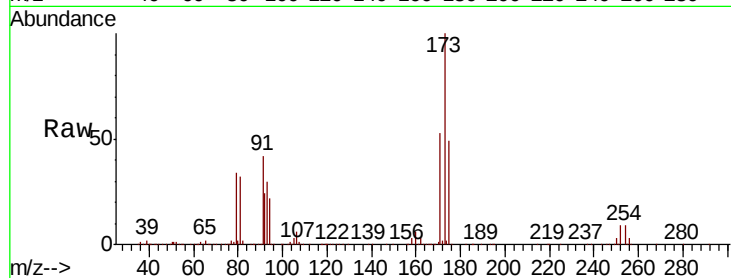
Tot Ion:173 Resp: 1309748

Ion Ratio Lower Upper

173 100

175 51.3 40.7 61.1

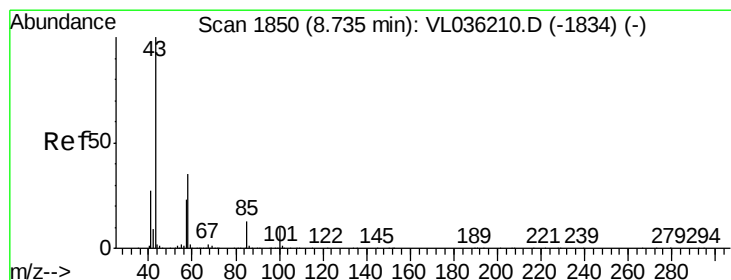
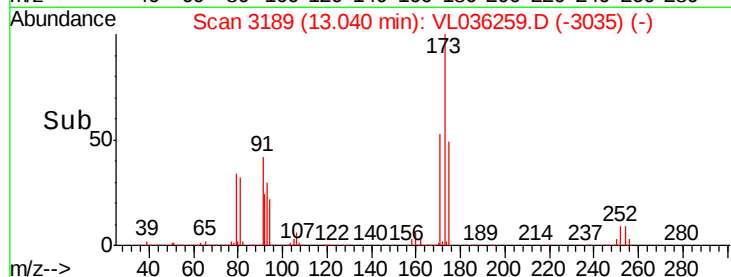
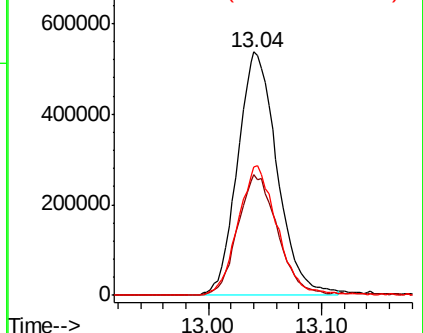
171 53.1 43.0 64.6



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: 9.477 ppbv

RT: 8.74 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VL036259.D

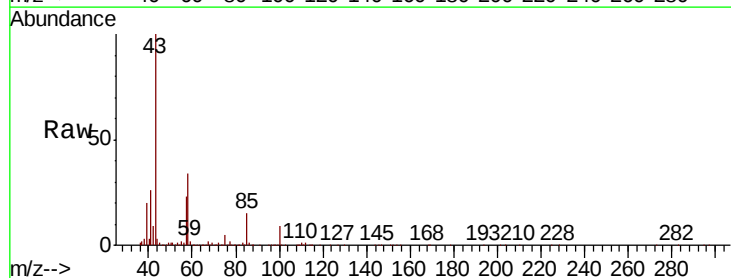
Acq: 20 Jan 2021 23:21

Tgt Ion: 43 Resp: 3233657

Ion Ratio Lower Upper

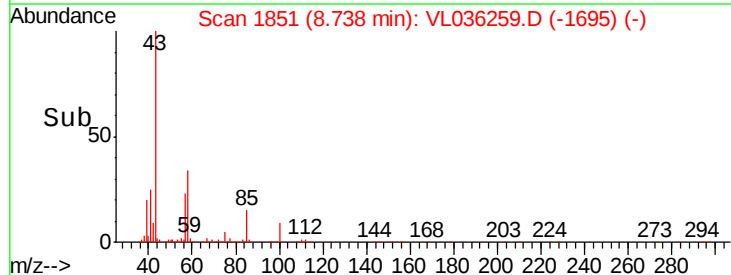
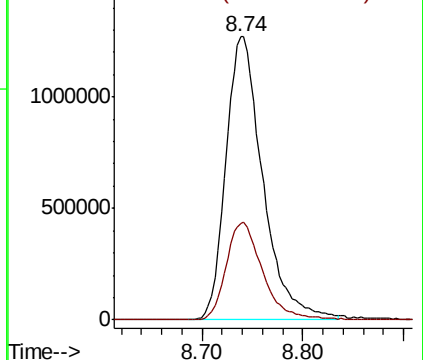
43 100

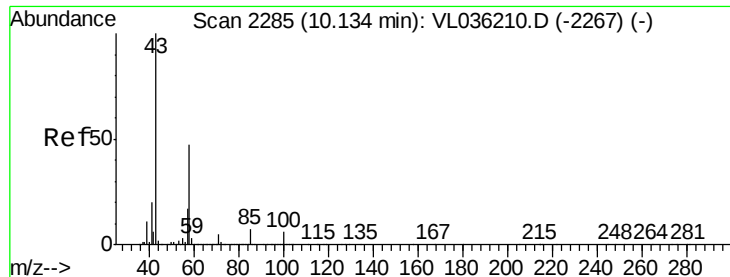
58 34.4 27.6 41.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

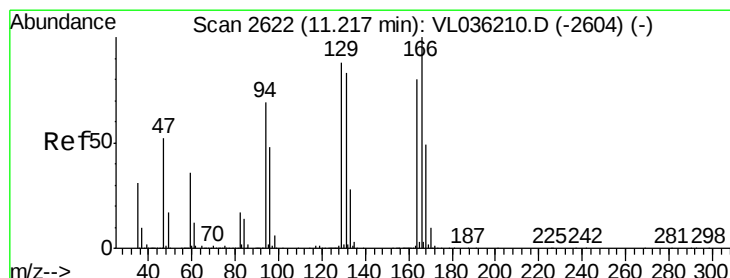
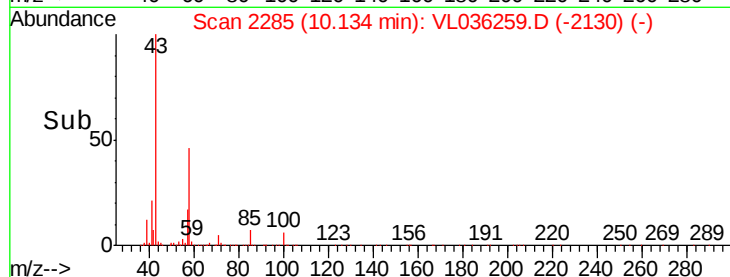
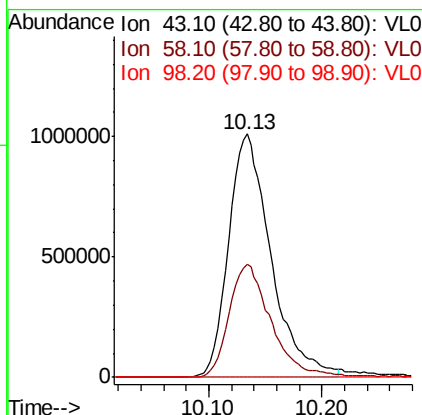
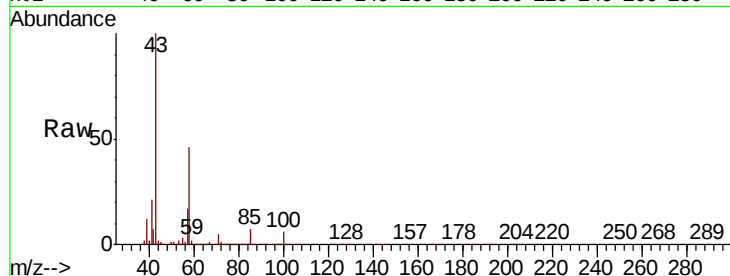




#51
2-Hexanone
Concen: 9.752 ppbv
RT: 10.13 min Scan# 2285
Delta R.T. -0.00 min
Lab File: VL036259.D
Acq: 20 Jan 2021 23:21

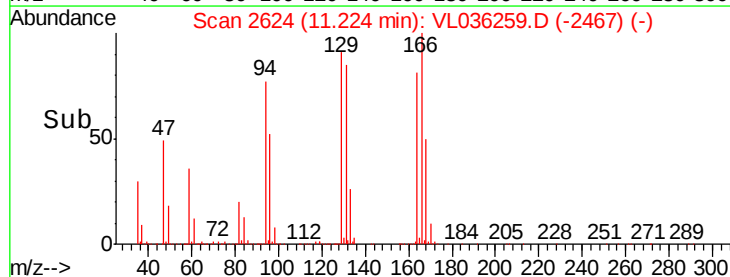
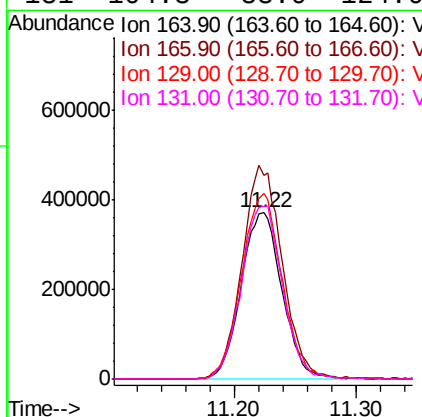
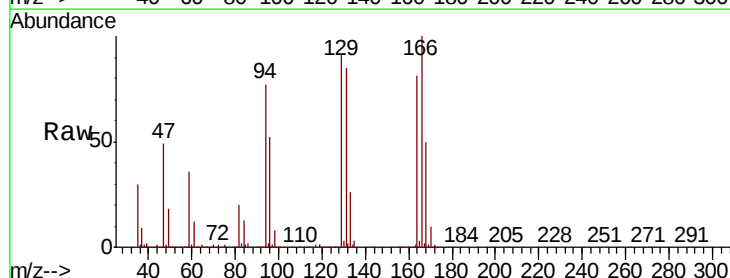
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

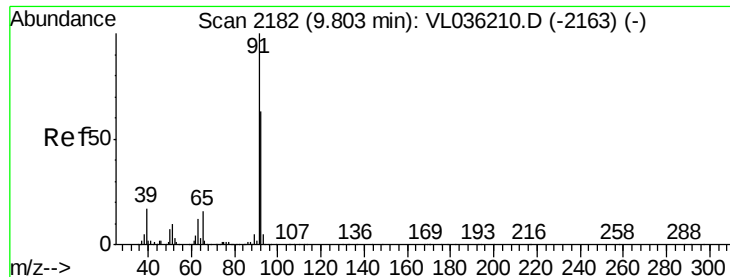
Tot Ion: 43 Resp: 2625283
Ion Ratio Lower Upper
43 100
58 47.3 37.4 56.0
98 0.3 0.2 0.2#



#52
Tetrachloroethene
Concen: 8.157 ppbv
RT: 11.22 min Scan# 2624
Delta R.T. 0.01 min
Lab File: VL036259.D
Acq: 20 Jan 2021 23:21

Tgt Ion: 164 Resp: 855917
Ion Ratio Lower Upper
164 100
166 122.7 99.9 149.9
129 111.7 88.2 132.4
131 104.3 83.0 124.6





#53

Toluene

Concen: 9.464 ppbv

RT: 9.80 min Scan# 2182

Delta R.T. -0.00 min

Lab File: VL036259.D

Acq: 20 Jan 2021 23:21

Instrument :

MSVOA_L

ClientSampleId :

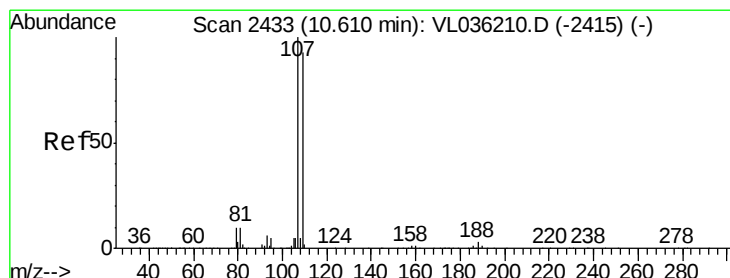
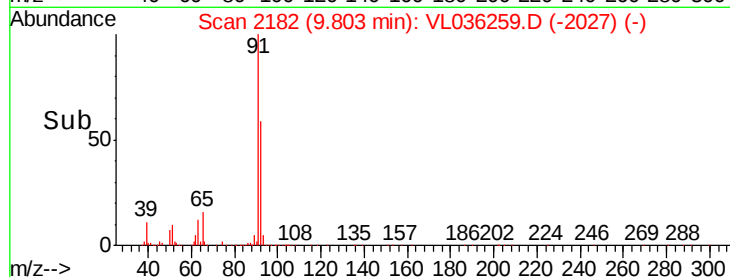
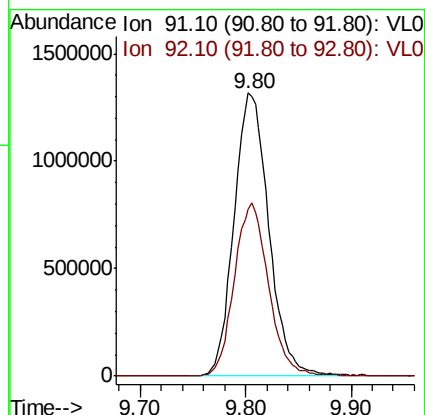
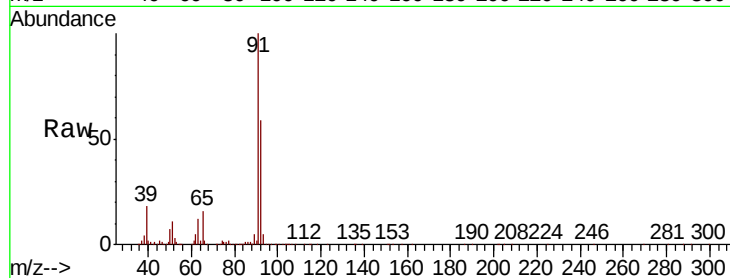
VSTDCCC010EC

Tot Ion: 91 Resp: 3014585

Ion Ratio Lower Upper

91 100

92 60.6 48.5 72.7



#54

1,2-Dibromoethane

Concen: 9.402 ppbv

RT: 10.61 min Scan# 2434

Delta R.T. 0.00 min

Lab File: VL036259.D

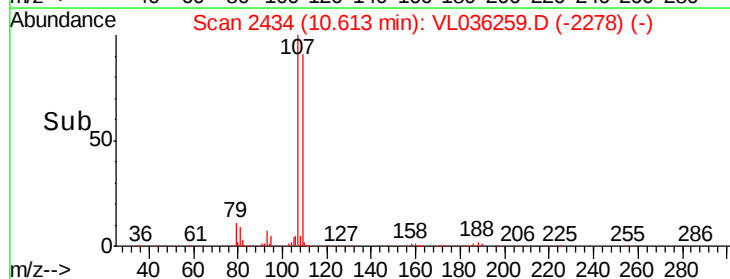
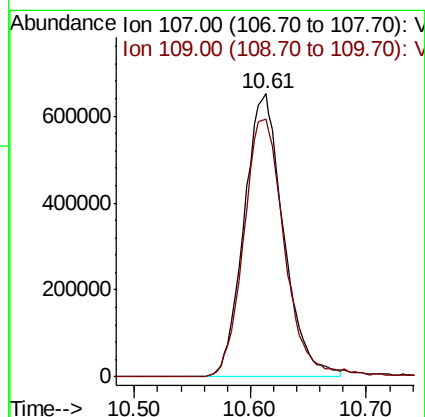
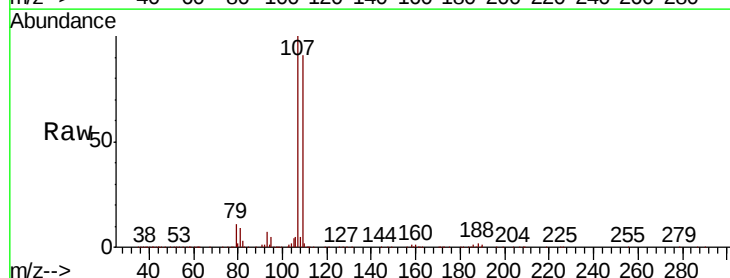
Acq: 20 Jan 2021 23:21

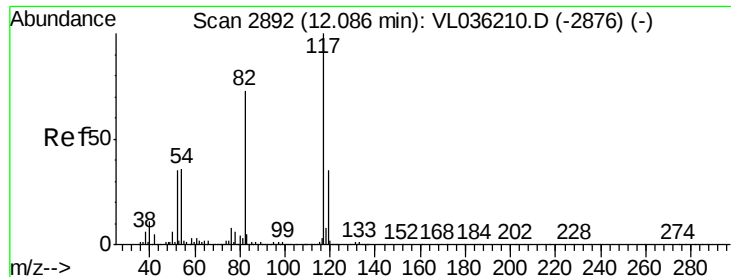
Tgt Ion: 107 Resp: 1541490

Ion Ratio Lower Upper

107 100

109 91.2 74.5 111.7

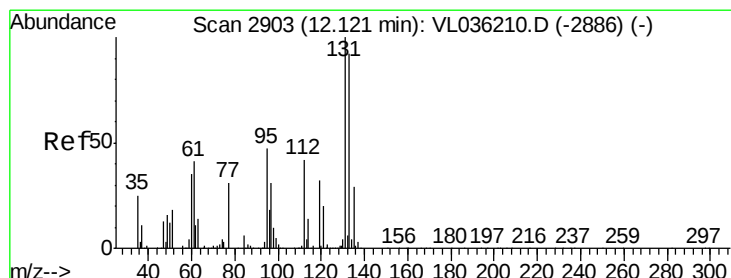
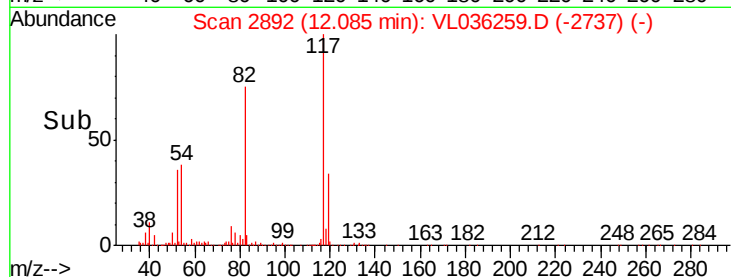
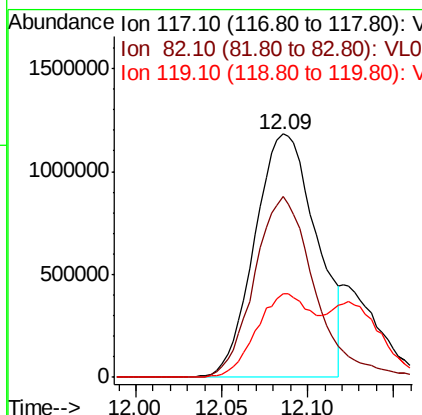
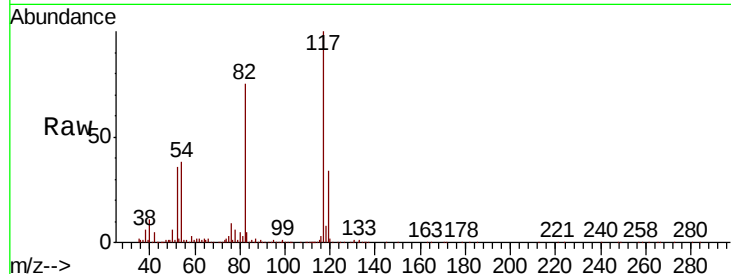




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2892
Delta R.T. -0.00 min
Lab File: VL036259.D
Acq: 20 Jan 2021 23:21

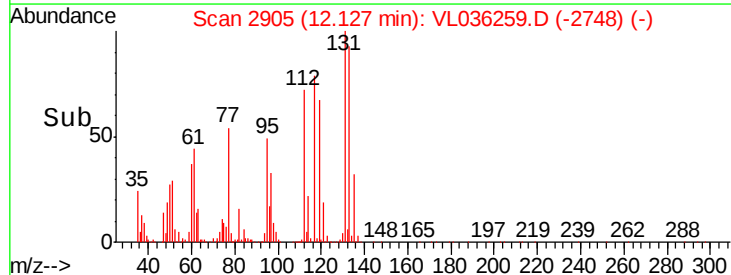
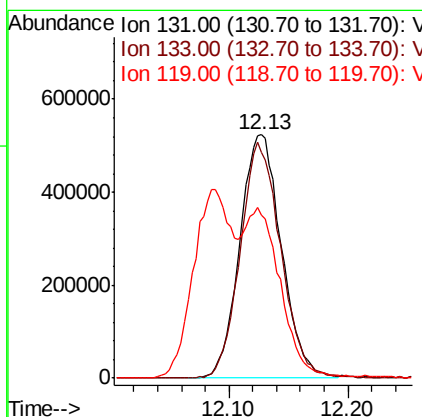
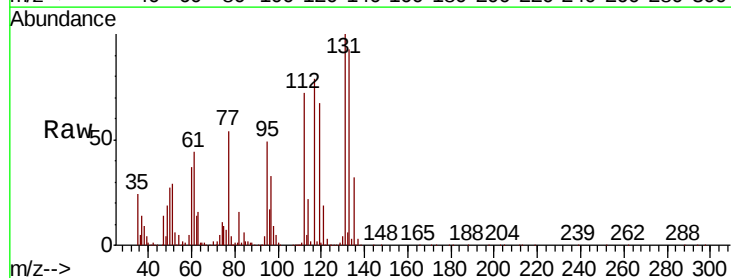
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

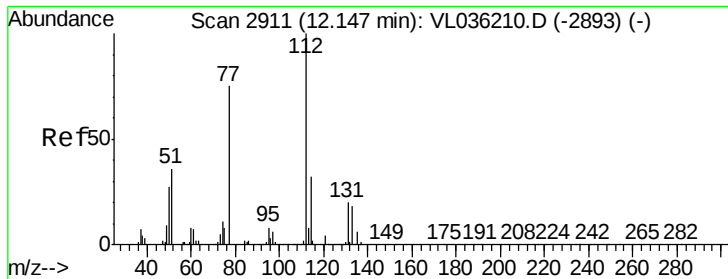
Tot Ion:117 Resp: 2954440
Ion Ratio Lower Upper
117 100
82 73.6 59.7 89.5
119 33.8 28.6 43.0



#56
1,1,1,2-Tetrachloroethane
Concen: 9.569 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. 0.01 min
Lab File: VL036259.D
Acq: 20 Jan 2021 23:21

Tgt Ion:131 Resp: 1261630
Ion Ratio Lower Upper
131 100
133 94.8 76.5 114.7
119 57.5 45.4 68.0





#57

Chlorobenzene

Concen: 8.832 ppbv

RT: 12.15 min Scan# 2911

Delta R.T. -0.00 min

Lab File: VL036259.D

Acq: 20 Jan 2021 23:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

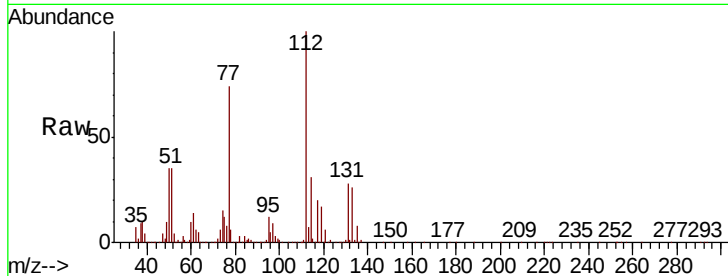
Tot Ion: 112 Resp: 2047311

Ion Ratio Lower Upper

112 100

77 72.7 59.6 89.4

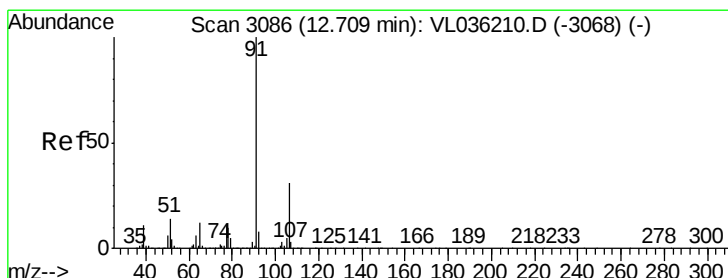
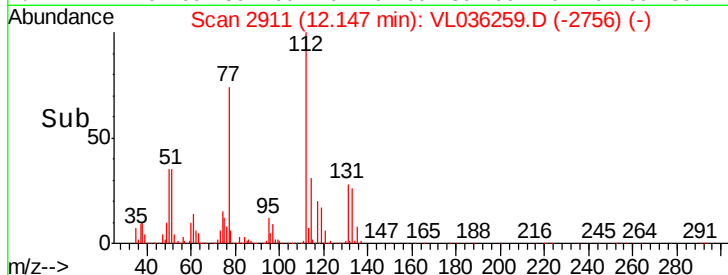
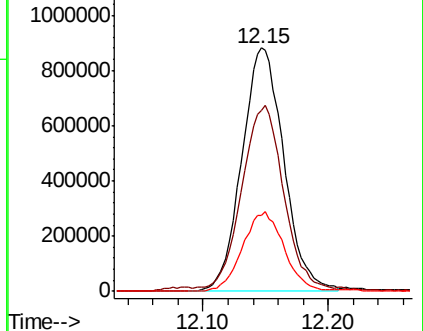
114 31.1 28.7 35.1



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.102 ppbv

RT: 12.71 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VL036259.D

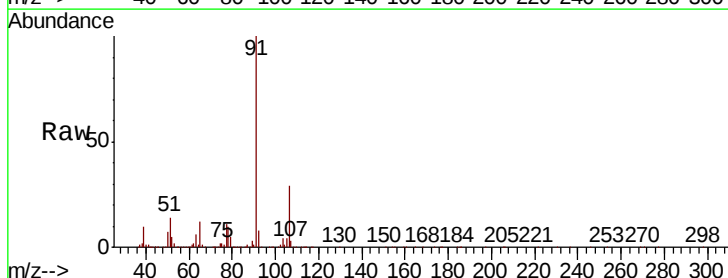
Acq: 20 Jan 2021 23:21

Tgt Ion: 91 Resp: 3990608

Ion Ratio Lower Upper

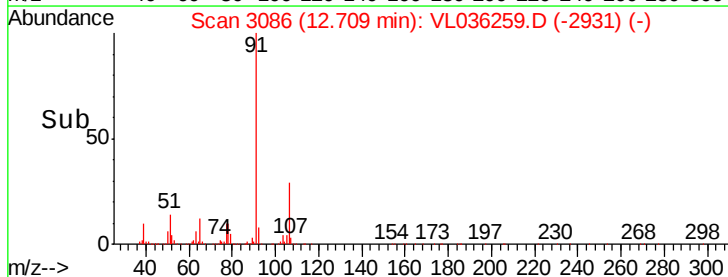
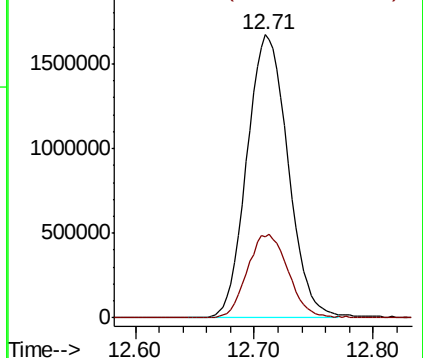
91 100

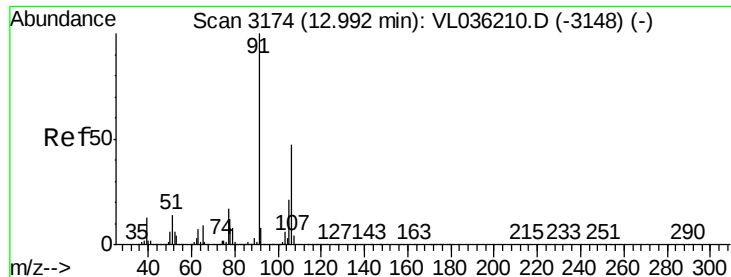
106 28.8 24.8 37.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

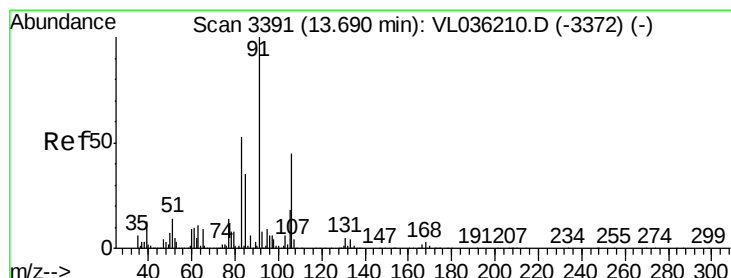
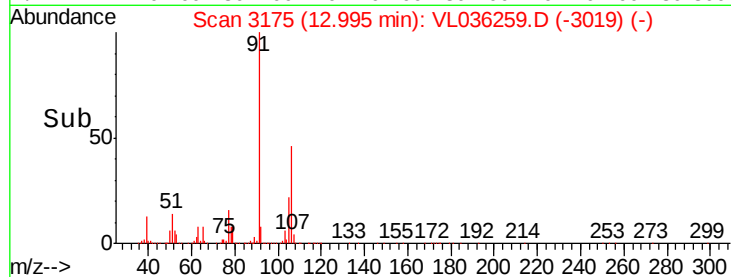
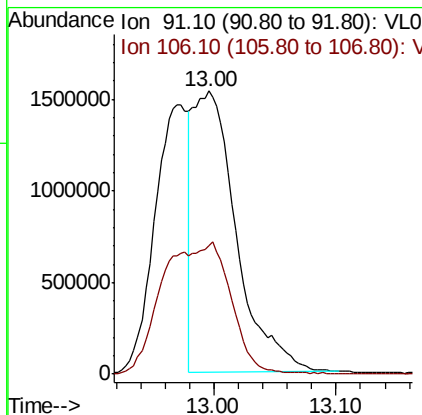
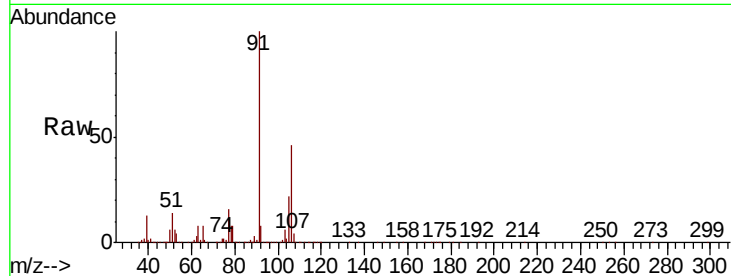




#59
m/p-Xylene
Concen: 10.014 ppbv
RT: 13.00 min Scan# 3175
Delta R.T. 0.00 min
Lab File: VL036259.D
Acq: 20 Jan 2021 23:21

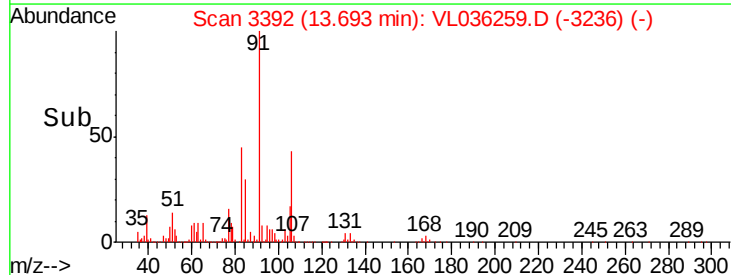
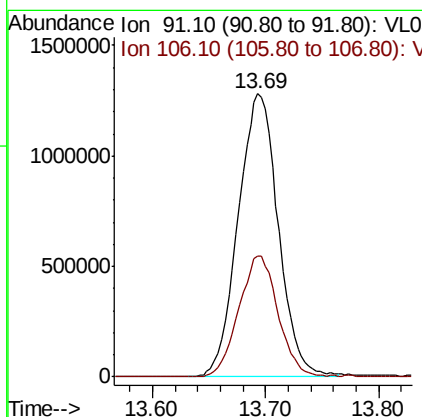
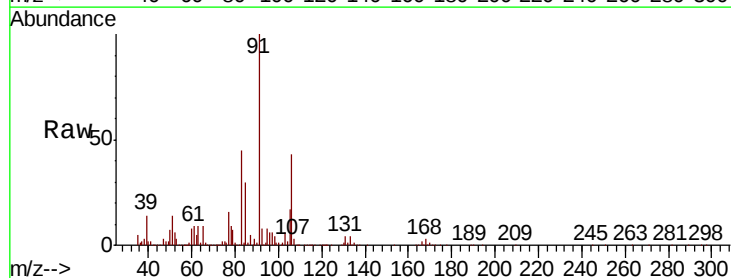
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

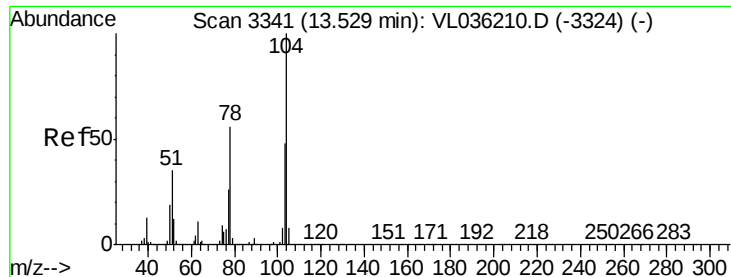
Tot Ion: 91 Resp: 3772493
Ion Ratio Lower Upper
91 100
106 75.0 34.6 51.8#



#60
o-Xylene
Concen: 8.678 ppbv
RT: 13.69 min Scan# 3392
Delta R.T. 0.00 min
Lab File: VL036259.D
Acq: 20 Jan 2021 23:21

Tgt Ion: 91 Resp: 3151119
Ion Ratio Lower Upper
91 100
106 42.2 21.9 65.8





#61

Stvrene

Concen: 9.393 ppbv

RT: 13.53 min Scan# 3341

Delta R.T. -0.00 min

Lab File: VL036259.D

Acq: 20 Jan 2021 23:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

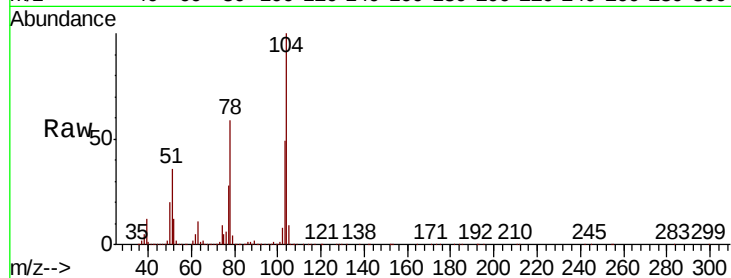
Tot Ion:104 Resp: 2153801

Ion Ratio Lower Upper

104 100

78 58.9 46.8 70.2

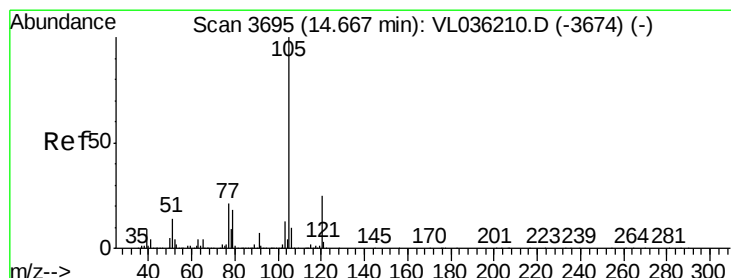
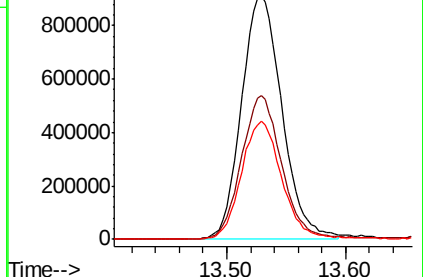
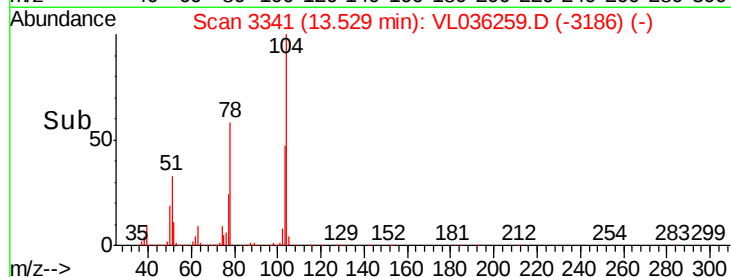
103 48.6 38.4 57.6



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: 8.511 ppbv

RT: 14.67 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VL036259.D

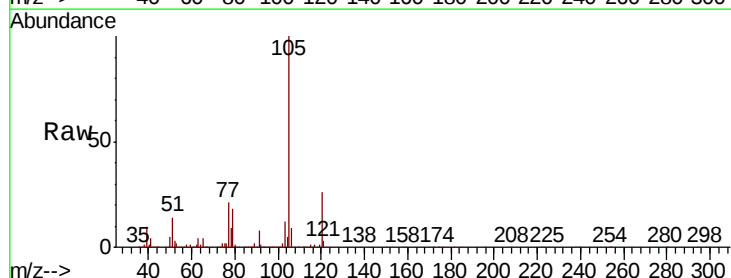
Acq: 20 Jan 2021 23:21

Tgt Ion:105 Resp: 4594840

Ion Ratio Lower Upper

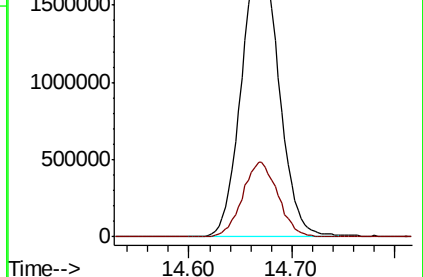
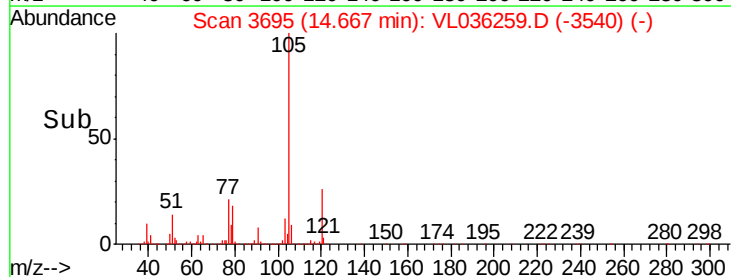
105 100

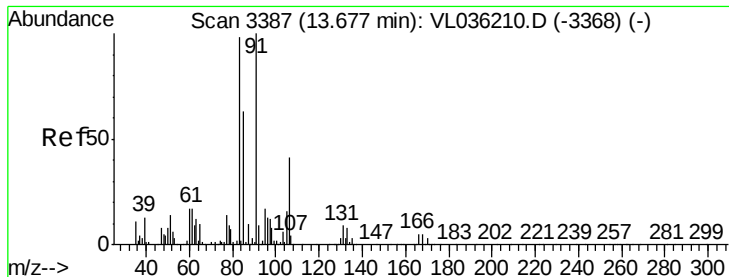
120 25.4 20.3 30.5



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: 7.872 ppbv

RT: 13.68 min Scan# 3387

Delta R.T. -0.00 min

Lab File: VL036259.D

Acq: 20 Jan 2021 23:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

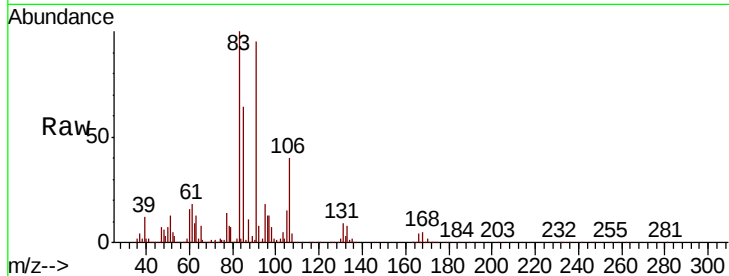
Tot Ion: 83 Resp: 2128426

Ion Ratio Lower Upper

83 100

131 8.7 4.5 13.5

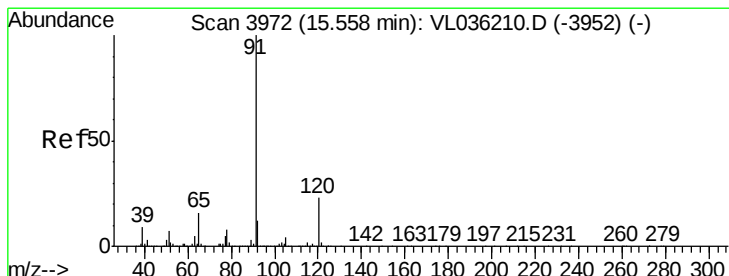
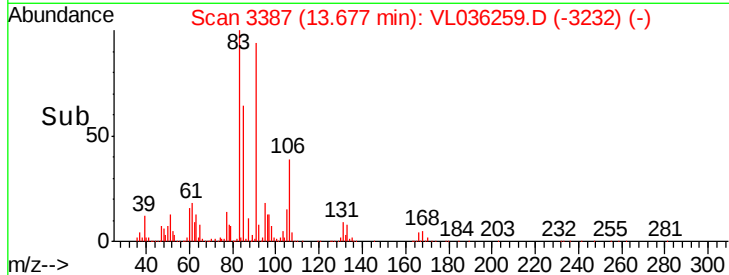
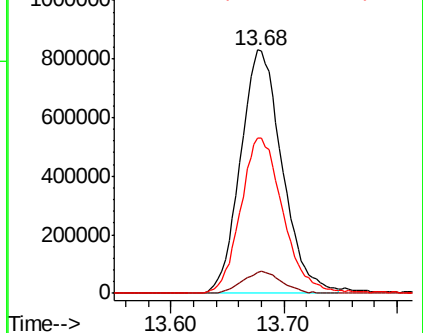
85 65.8 33.1 99.3



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 8.720 ppbv

RT: 15.56 min Scan# 3974

Delta R.T. 0.01 min

Lab File: VL036259.D

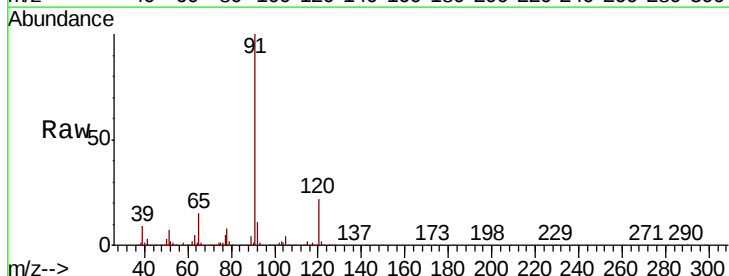
Acq: 20 Jan 2021 23:21

Tgt Ion:120 Resp: 1156777

Ion Ratio Lower Upper

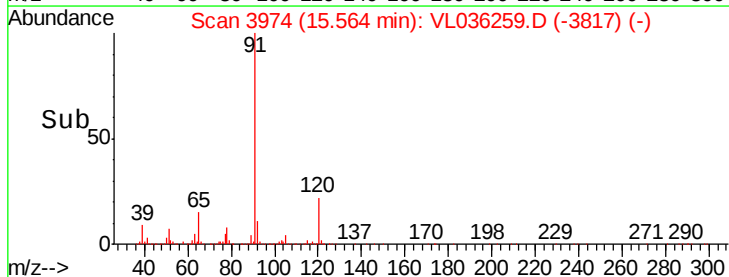
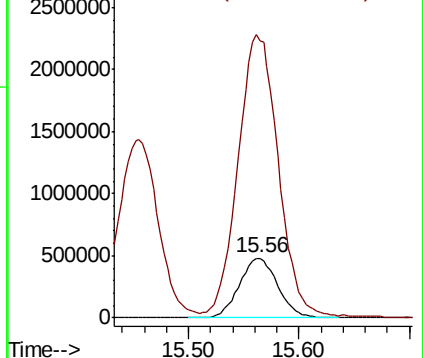
120 100

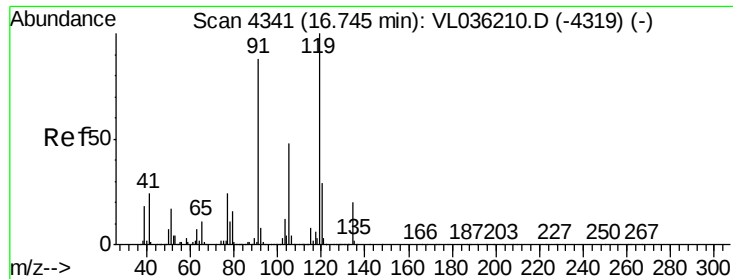
91 502.0 391.8 587.6



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 8.324 ppbv

RT: 16.75 min Scan# 4342

Delta R.T. 0.00 min

Lab File: VL036259.D

Acq: 20 Jan 2021 23:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

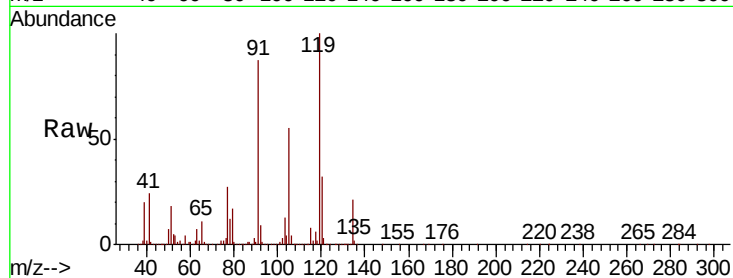
Tot Ion: 119 Resp: 3808045

Ion Ratio Lower Upper

119 100

91 90.1 71.0 106.6

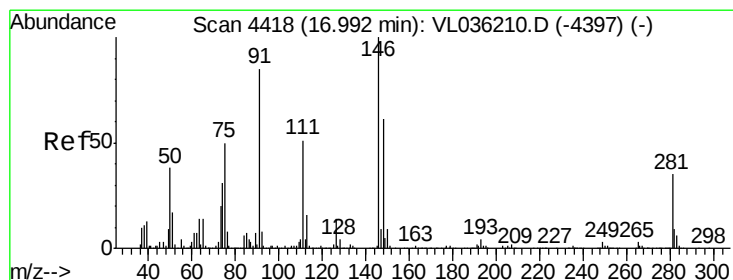
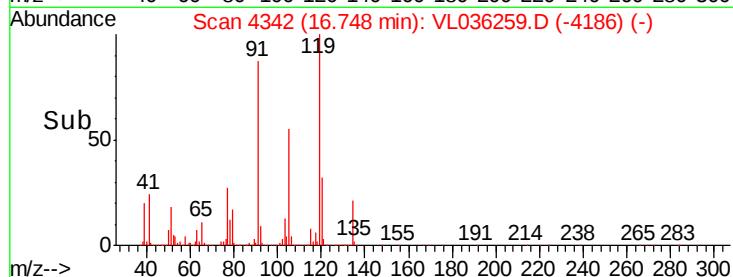
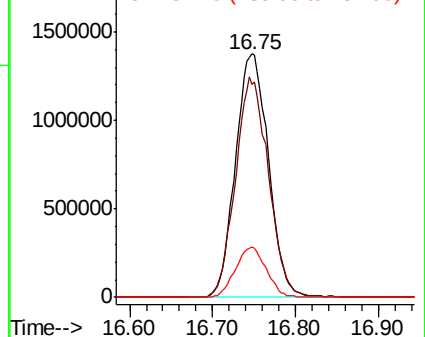
134 19.3 15.8 23.6



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: 9.988 ppbv

RT: 16.99 min Scan# 4418

Delta R.T. -0.00 min

Lab File: VL036259.D

Acq: 20 Jan 2021 23:21

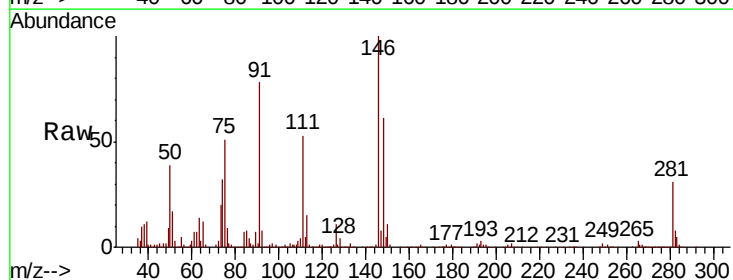
Tgt Ion: 91 Resp: 1167423

Ion Ratio Lower Upper

91 100

126 15.3 12.6 19.0

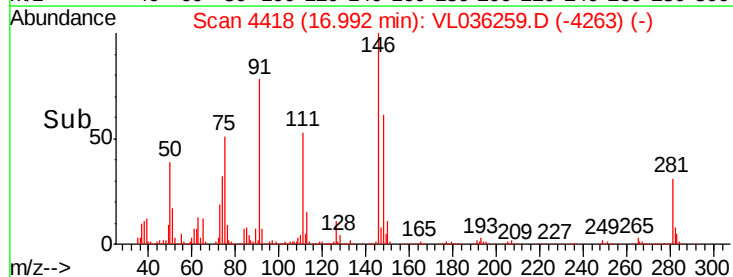
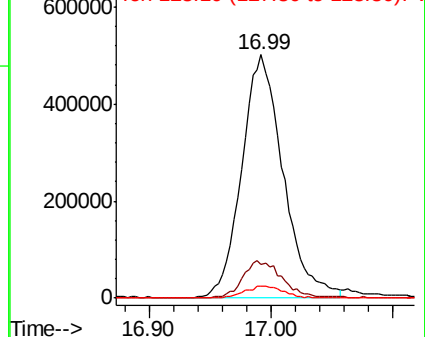
128 4.9 3.8 5.6

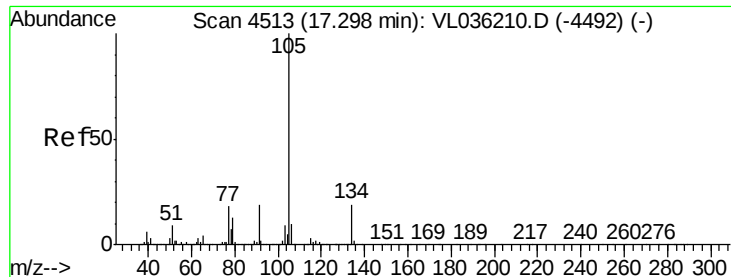


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

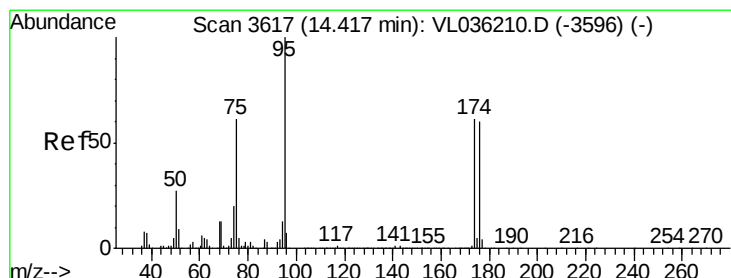
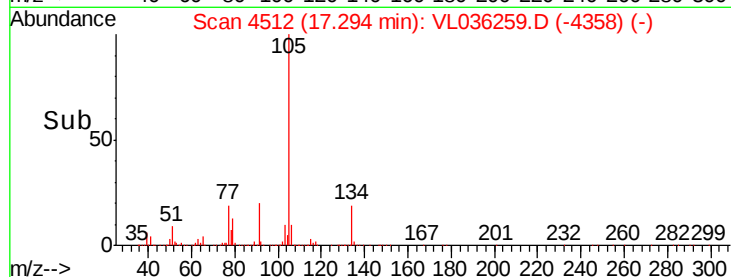
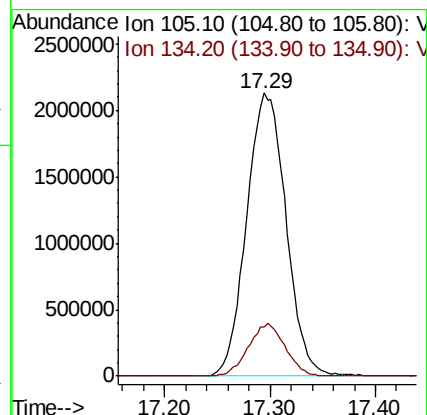
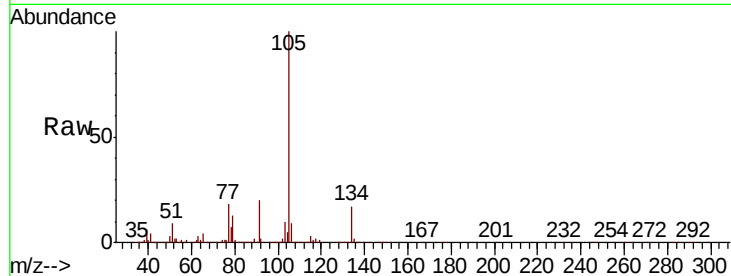




#67
 sec-Butylbenzene
 Concen: 8.135 ppbv
 RT: 17.29 min Scan# 4512
 Delta R.T. -0.00 min
 Lab File: VL036259.D
 Acq: 20 Jan 2021 23:21

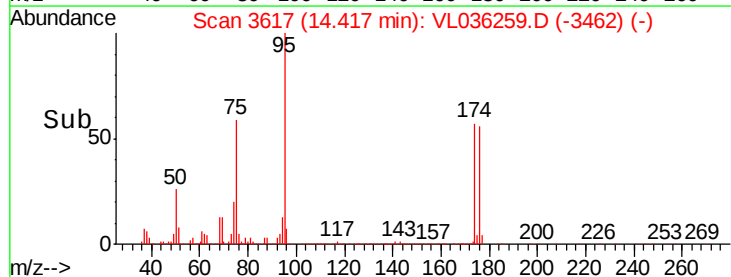
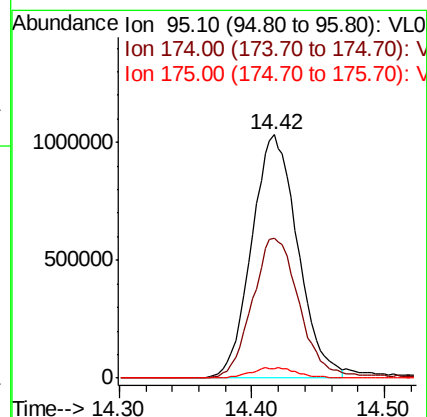
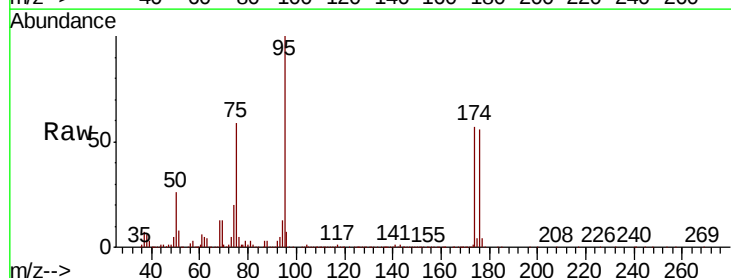
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

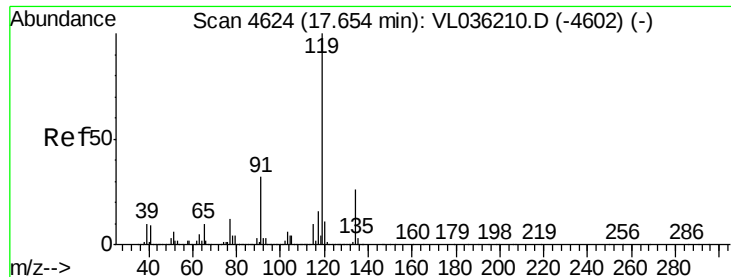
Tot Ion:105 Resp: 5524773
 Ion Ratio Lower Upper
 105 100
 134 17.6 14.2 21.4



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.186 ppbv
 RT: 14.42 min Scan# 3617
 Delta R.T. -0.00 min
 Lab File: VL036259.D
 Acq: 20 Jan 2021 23:21

Tgt Ion: 95 Resp: 2490869
 Ion Ratio Lower Upper
 95 100
 174 60.1 49.4 74.0
 175 4.4 3.8 5.8

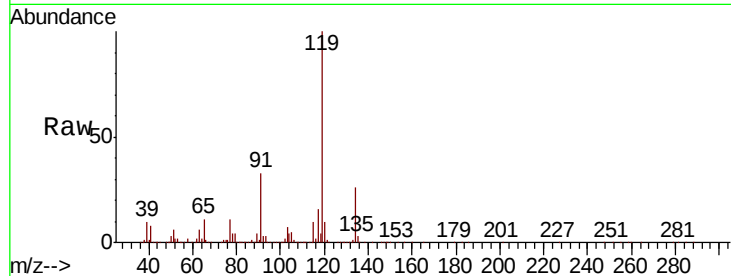




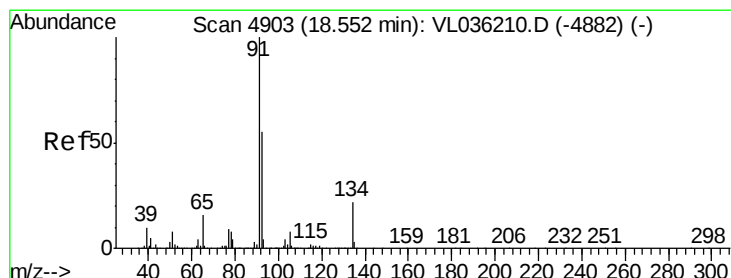
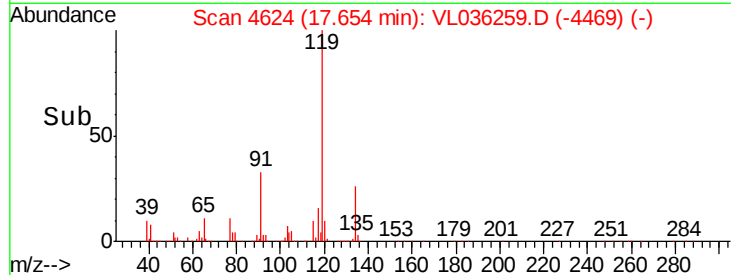
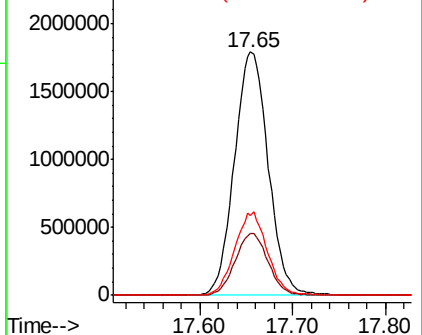
#69
 p-Isopropyltoluene
 Concen: 8.413 ppbv
 RT: 17.65 min Scan# 4624
 Delta R.T. -0.00 min
 Lab File: VL036259.D
 Acq: 20 Jan 2021 23:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:119 Resp: 4530871
 Ion Ratio Lower Upper
 119 100
 134 24.8 20.2 30.4
 91 32.9 26.0 39.0

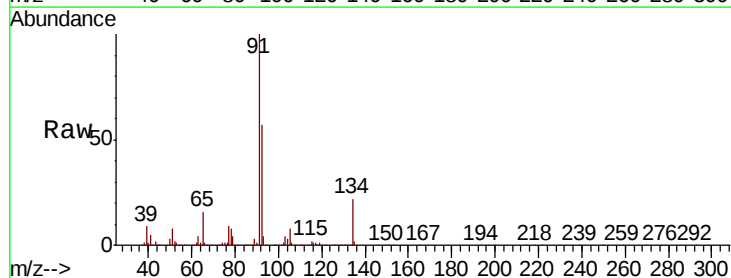


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

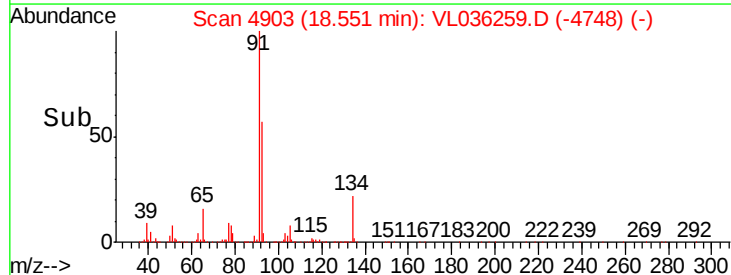
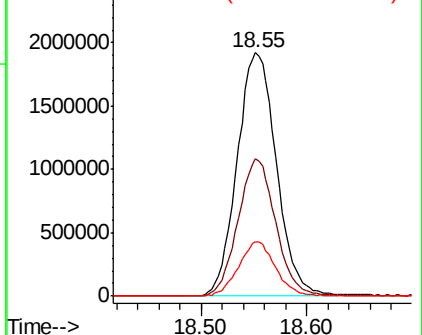


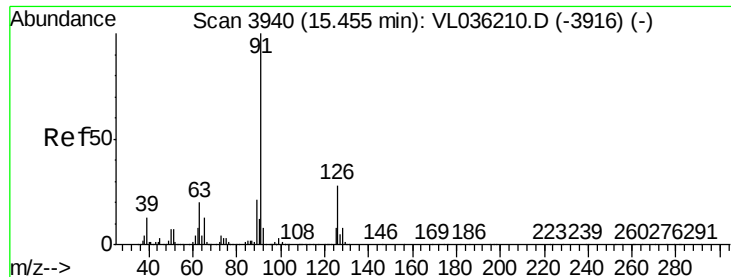
#70
 n-Butylbenzene
 Concen: 8.667 ppbv
 RT: 18.55 min Scan# 4903
 Delta R.T. -0.00 min
 Lab File: VL036259.D
 Acq: 20 Jan 2021 23:21

Tgt Ion: 91 Resp: 4973791
 Ion Ratio Lower Upper
 91 100
 92 54.3 44.0 66.0
 134 21.1 17.0 25.4



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

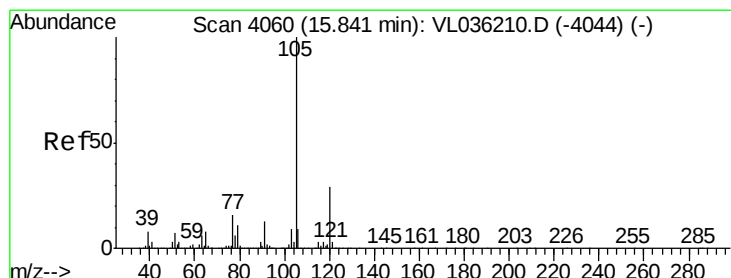
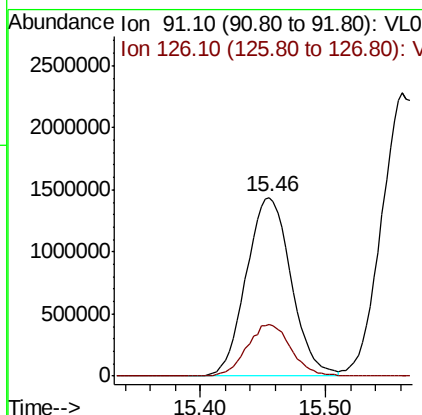
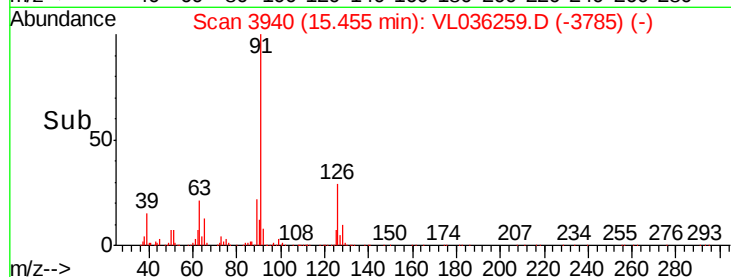
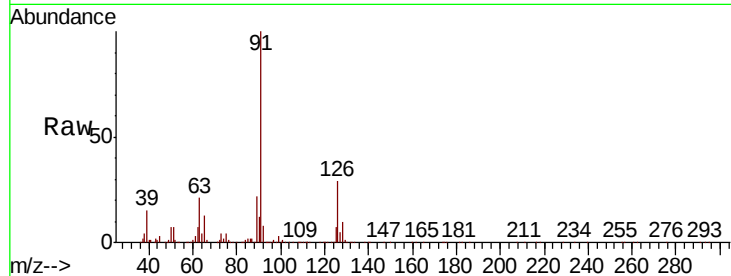




#71
 2-Chlorotoluene
 Concen: 8.432 ppbv
 RT: 15.46 min Scan# 3940
 Delta R.T. -0.00 min
 Lab File: VL036259.D
 Acq: 20 Jan 2021 23:21

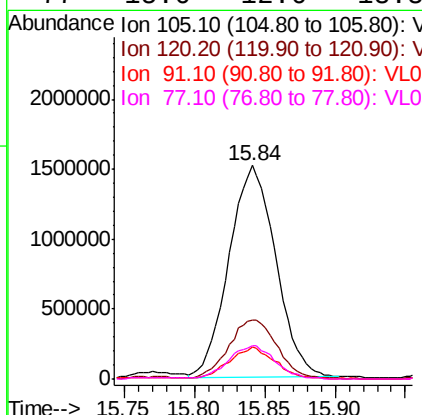
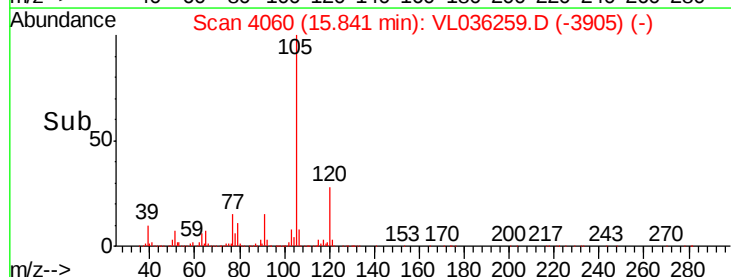
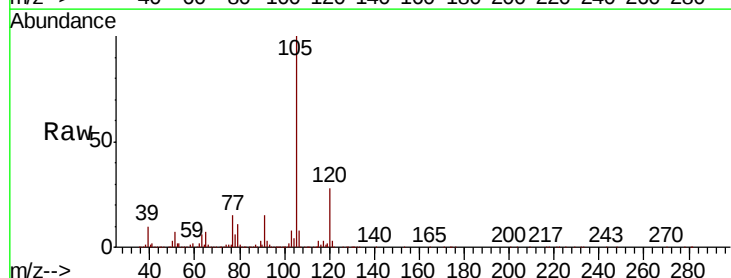
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

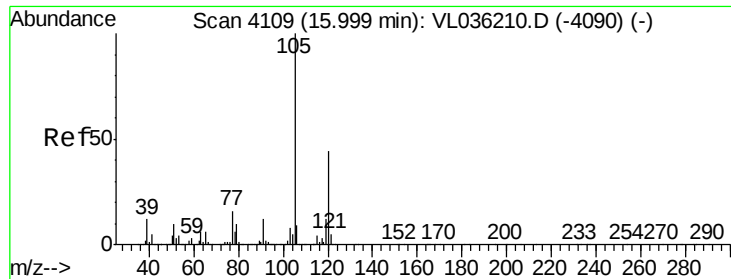
Tot Ion: 91 Resp: 3578074
 Ion Ratio Lower Upper
 91 100
 126 28.4 11.5 45.9



#72
 4-Ethyltoluene
 Concen: 8.598 ppbv
 RT: 15.84 min Scan# 4060
 Delta R.T. -0.00 min
 Lab File: VL036259.D
 Acq: 20 Jan 2021 23:21

Tgt Ion: 105 Resp: 3523428
 Ion Ratio Lower Upper
 105 100
 120 29.0 23.7 35.5
 91 14.0 11.9 17.9
 77 15.6 12.6 18.8

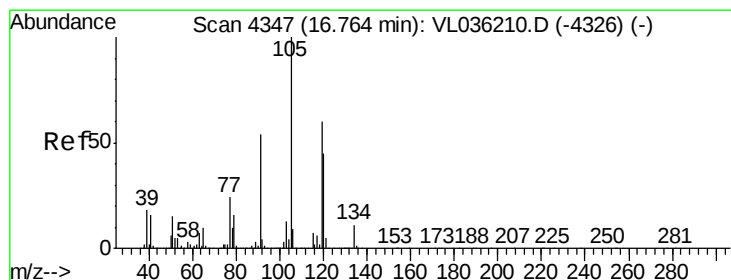
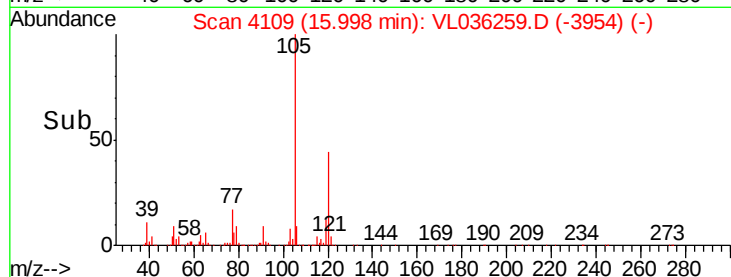
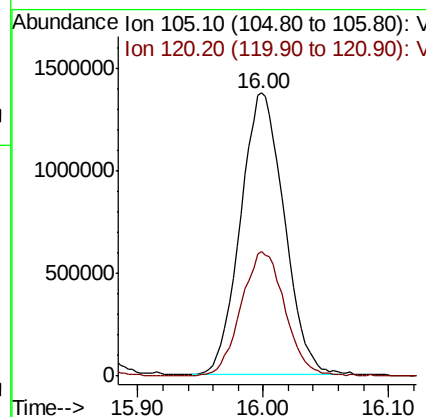
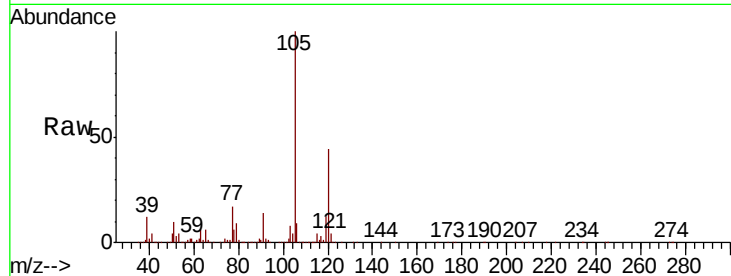




#73
 1,3,5-Trimethylbenzene
 Concen: 8.520 ppbv
 RT: 16.00 min Scan# 4109
 Delta R.T. -0.00 min
 Lab File: VL036259.D
 Acq: 20 Jan 2021 23:21

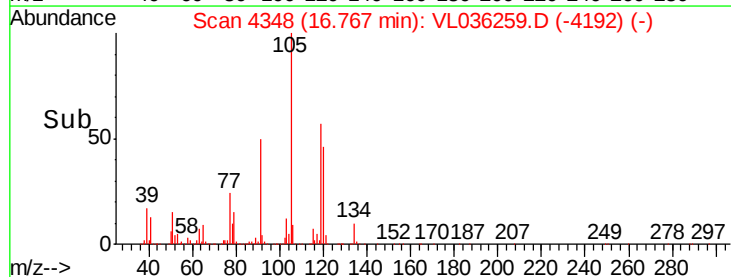
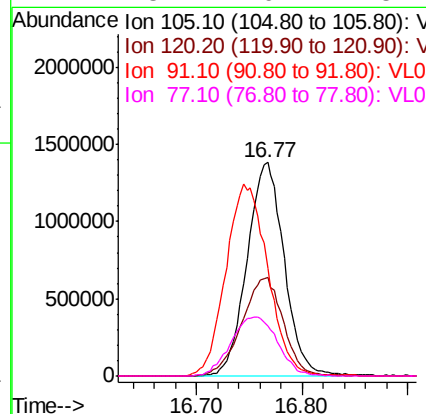
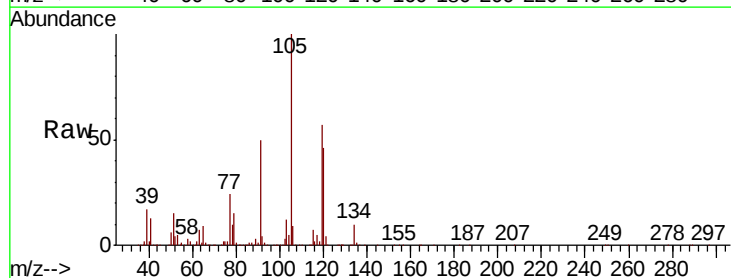
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

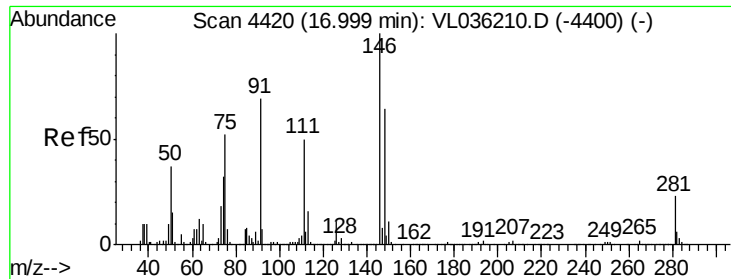
Tot Ion:105 Resp: 3328030
 Ion Ratio Lower Upper
 105 100
 120 44.2 35.5 53.3



#74
 1,2,4-Trimethylbenzene
 Concen: 8.434 ppbv
 RT: 16.77 min Scan# 4348
 Delta R.T. 0.00 min
 Lab File: VL036259.D
 Acq: 20 Jan 2021 23:21

Tgt Ion:105 Resp: 3379576
 Ion Ratio Lower Upper
 105 100
 120 46.0 36.2 54.2
 91 50.0 43.3 64.9
 77 23.4 19.1 28.7

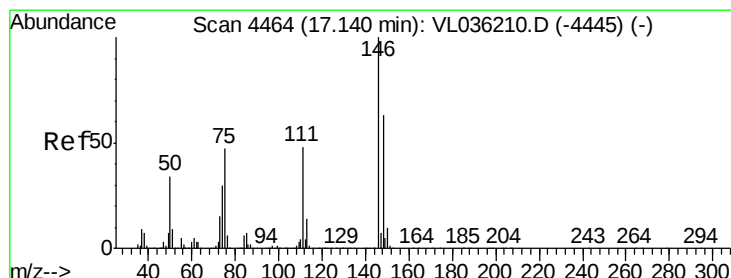
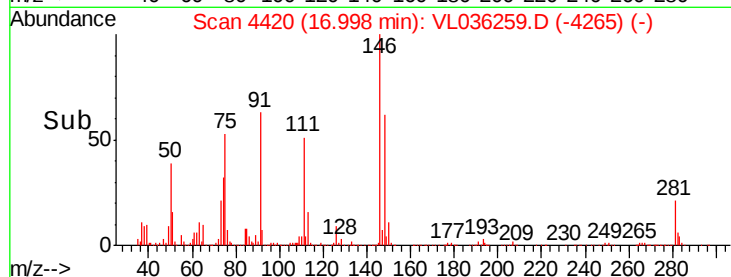
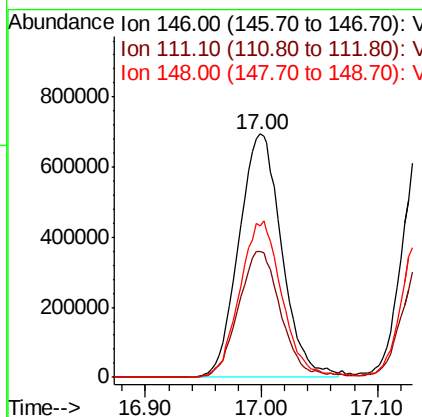
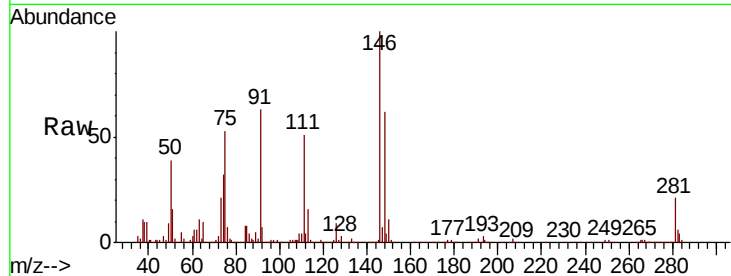




#75
 1,3-Dichlorobenzene
 Concen: 8.281 ppbv
 RT: 17.00 min Scan# 4420
 Delta R.T. -0.00 min
 Lab File: VL036259.D
 Acq: 20 Jan 2021 23:21

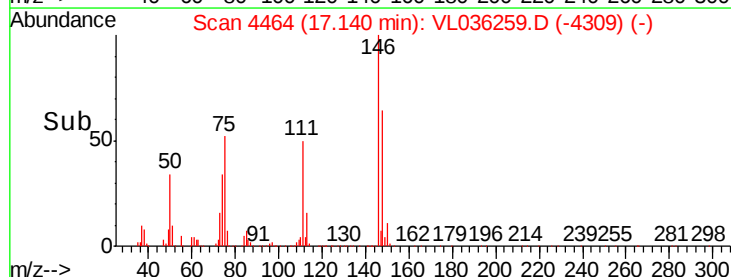
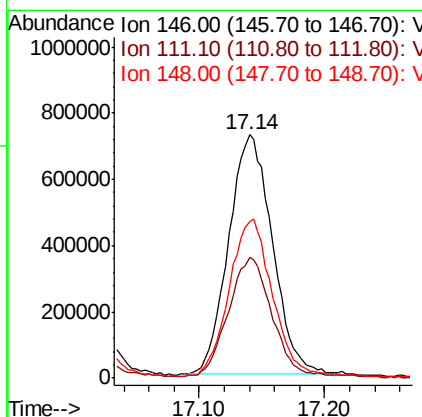
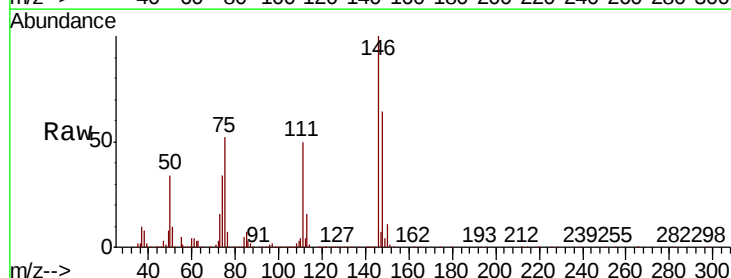
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

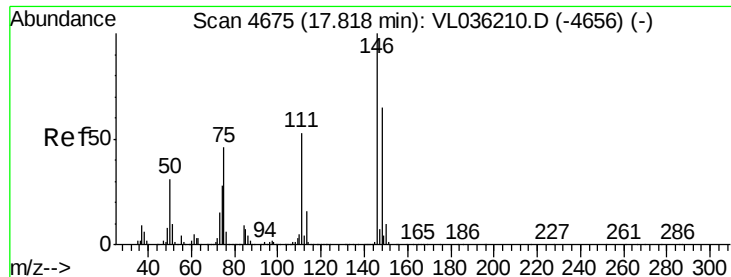
Tot Ion:146 Resp: 1779546
 Ion Ratio Lower Upper
 146 100
 111 51.4 25.5 76.5
 148 63.8 32.4 97.2



#76
 1,4-Dichlorobenzene
 Concen: 8.263 ppbv
 RT: 17.14 min Scan# 4464
 Delta R.T. -0.00 min
 Lab File: VL036259.D
 Acq: 20 Jan 2021 23:21

Tgt Ion:146 Resp: 1754283
 Ion Ratio Lower Upper
 146 100
 111 51.2 25.4 76.0
 148 67.4 33.3 99.9

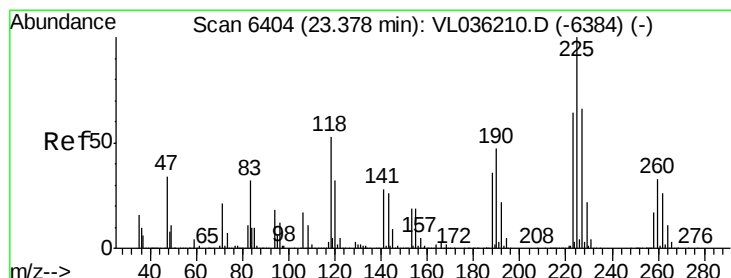
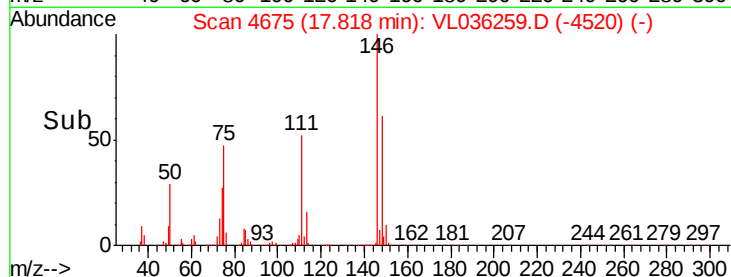
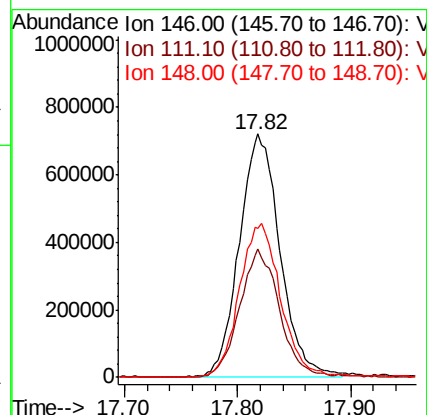
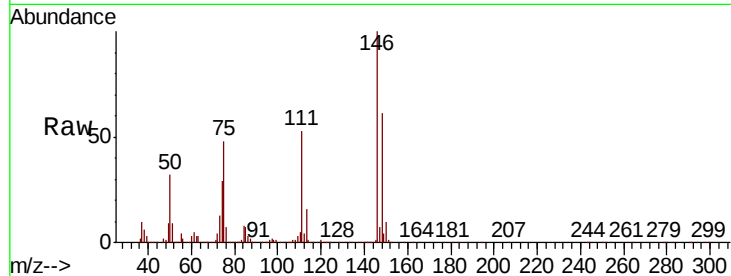




#77
 1,2-Dichlorobenzene
 Concen: 8.548 ppbv
 RT: 17.82 min Scan# 4675
 Delta R.T. -0.00 min
 Lab File: VL036259.D
 Acq: 20 Jan 2021 23:21

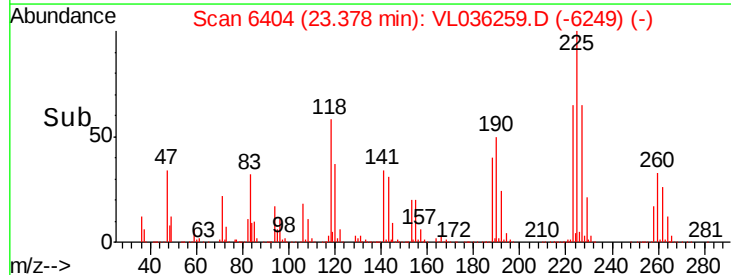
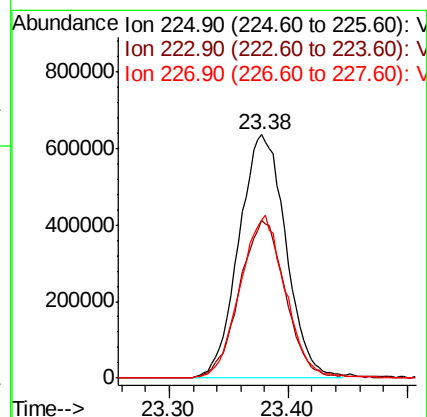
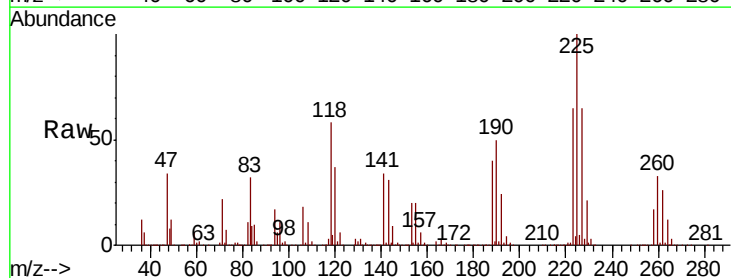
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

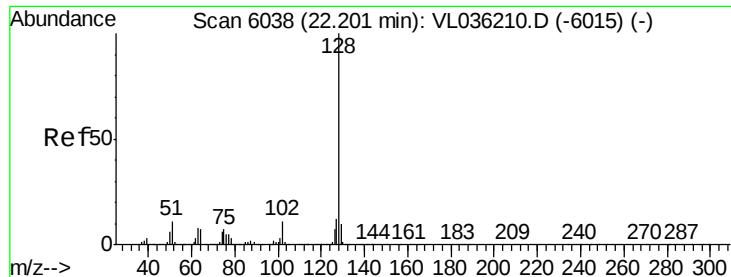
Tot Ion:146 Resp: 1794317
 Ion Ratio Lower Upper
 146 100
 111 52.3 26.5 79.4
 148 64.7 32.8 98.4



#78
 Hexachloro-1,3-Butadiene
 Concen: 10.292 ppbv
 RT: 23.38 min Scan# 6404
 Delta R.T. -0.00 min
 Lab File: VL036259.D
 Acq: 20 Jan 2021 23:21

Tgt Ion:225 Resp: 1727776
 Ion Ratio Lower Upper
 225 100
 223 63.8 50.5 75.7
 227 65.3 51.7 77.5





#79

Naphthalene

Concen: 15.043 ppbv

RT: 22.20 min Scan# 6037

Delta R.T. -0.00 min

Lab File: VL036259.D

Acq: 20 Jan 2021 23:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

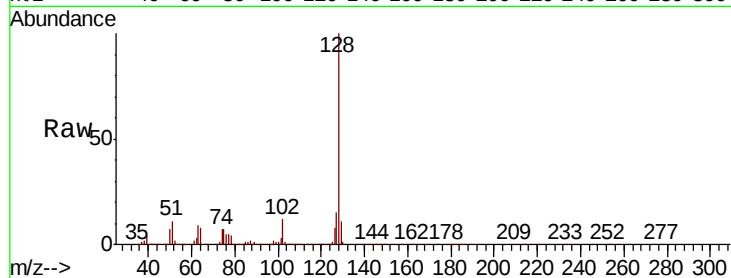
Tot Ion:128 Resp: 3523418

Ion Ratio Lower Upper

128 100

127 14.6 9.9 14.9

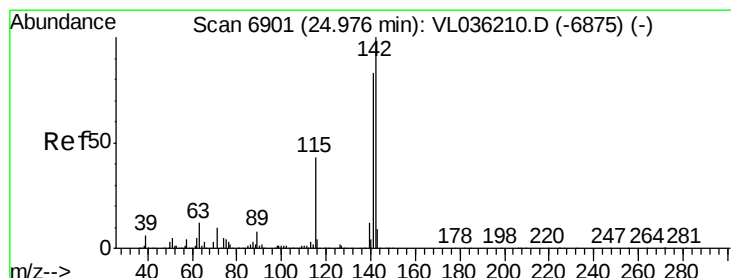
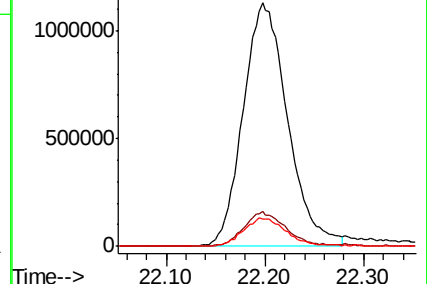
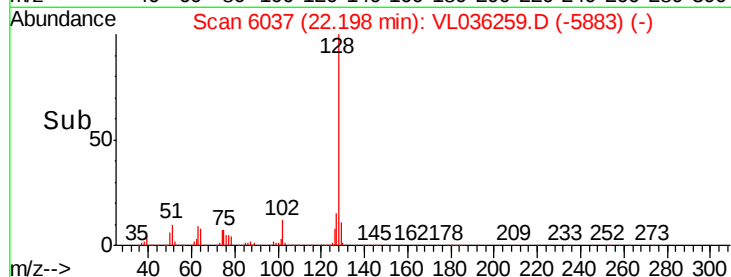
129 11.4 8.4 12.6



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: 16.434 ppbv

RT: 24.98 min Scan# 6901

Delta R.T. -0.00 min

Lab File: VL036259.D

Acq: 20 Jan 2021 23:21

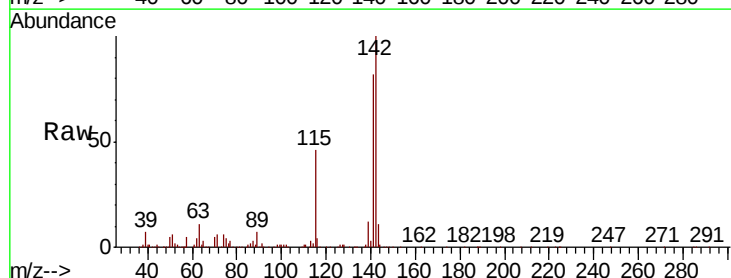
Tgt Ion:142 Resp: 821329

Ion Ratio Lower Upper

142 100

141 85.2 68.6 102.8

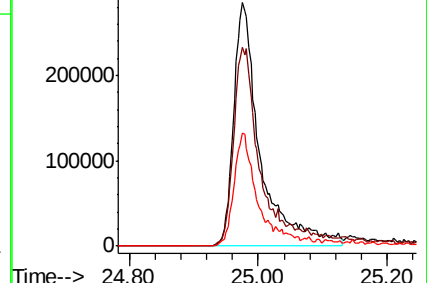
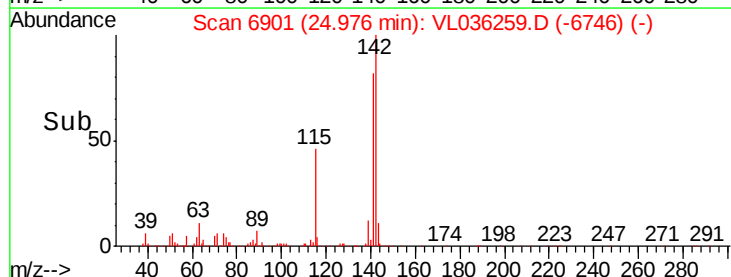
115 44.9 32.9 49.3

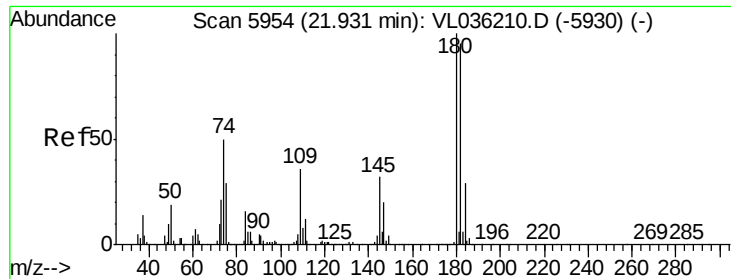


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 5.749 ppbv

RT: 21.93 min Scan# 5955

Delta R.T. 0.00 min

Lab File: VL036259.D

Acq: 20 Jan 2021 23:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

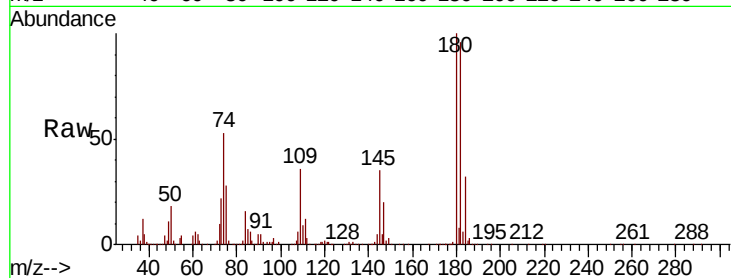
Tot Ion:180 Resp: 786082

Ion Ratio Lower Upper

180 100

182 0.0 79.9 119.9#

184 72.4 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

