

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051921\
 Data File : VL036985.D
 Acq On : 19 May 2021 9:29
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: May 20 06:26:39 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 12:00:15 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1284981	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3999663	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	4745821	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2928910	8.22	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	1872958	8.592	ppbv	99
3) Chlorodifluoromethane	2.97	51	2315979	9.838	ppbv	99
4) Chloromethane	3.12	50	818479	10.217	ppbv	96
5) Vinyl Chloride	3.24	62	855127	9.766	ppbv	99
6) Bromomethane	3.46	94	459142	9.951	ppbv	97
7) Chloroethane	3.54	64	304713	10.717	ppbv	98
8) Dichlorotetrafluoroethane	3.17	85	2019855	9.869	ppbv	98
9) Propene	2.99	41	828442	9.828	ppbv	99
10) Heptane	8.10	43	2051027	9.763	ppbv	99
11) Trichlorofluoromethane	3.93	101	2068518	10.252	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1447013	10.068	ppbv	99
13) Ethanol	3.59	45	52063	4.629	ppbv #	39
14) Bromoethene	3.72	108	641503	10.134	ppbv	99
15) Acetone	3.83	43	1078533	8.194	ppbv	96
16) 1,3-Butadiene	3.31	39	830313	10.154	ppbv	98
17) tert-Butyl alcohol	4.27	59	1226707	10.175	ppbv	99
18) 1,1-Dichloroethene	4.27	96	661388	9.952	ppbv	96
19) Isopropyl Alcohol	3.95	45	740405	10.465	ppbv	96
20) Methylene Chloride	4.32	84	544709	7.721	ppbv	97
21) Allyl Chloride	4.39	41	977753	9.847	ppbv	99
22) trans-1,2-Dichloroethene	4.86	96	654800	10.281	ppbv	97
23) Vinyl Acetate	5.05	43	1832706	8.773	ppbv #	99
24) 1,1-Dichloroethane	4.99	63	1415004	9.410	ppbv	99
25) Ethyl Acetate	5.65	43	2958825	9.355	ppbv	100
26) Hexane	5.66	57	1468400	9.088	ppbv	99
27) Carbon Disulfide	4.53	76	1585110	9.734	ppbv	98
28) Methyl tert-Butyl Ether	5.01	73	1752026	9.047	ppbv	100
29) Chloroform	5.73	83	2218998	9.721	ppbv	99
30) Cyclohexane	7.10	84	1335922	9.730	ppbv	99
31) cis-1,2-Dichloroethene	5.53	61	1423860	9.829	ppbv	98
32) 1,1,1-Trichloroethane	6.49	97	2341213	9.552	ppbv	99
34) 2-Butanone	5.22	43	1362878	9.358	ppbv	99
35) Carbon Tetrachloride	6.99	117	2425927	9.129	ppbv	98
36) Benzene	6.86	78	3204485	9.301	ppbv	99
37) 1,2-Dichloroethane	6.28	62	1648530	9.652	ppbv	99
38) Trichloroethene	7.81	130	1302807	8.840	ppbv	97
39) 1,2-Dichloropropane	7.59	63	1248263	9.406	ppbv	98
40) 1,4-Dioxane	7.82	88	289880	9.251	ppbv #	100
41) Tetrahydrofuran	6.02	42	718398	8.661	ppbv	97
42) Bromodichloromethane	7.77	83	2476190	9.583	ppbv	98
43) Methyl Methacrylate	7.99	69	1163934	9.802	ppbv	100

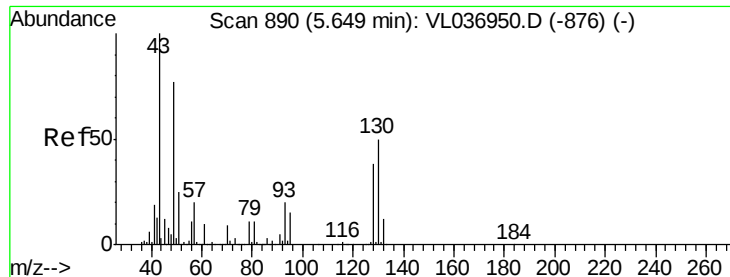
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.84	57	5259736	8.899	ppbv	99
45) t-1,3-Dichloropropene	9.25	75	883884	9.743	ppbv	97
46) cis-1,3-Dichloropropene	8.67	75	1178579	9.659	ppbv	97
47) 1,1,2-Trichloroethane	9.45	97	1333265	9.599	ppbv	98
48) Dibromochloromethane	10.28	129	2258741	10.043	ppbv	99
49) Bromoform	13.01	173	1888401	10.167	ppbv	100
50) 4-Methyl-2-Pentanone	8.72	43	2280265	9.488	ppbv	100
51) 2-Hexanone	10.11	43	1227019	9.658	ppbv #	100
52) Tetrachloroethene	11.19	164	1268524	9.260	ppbv	97
53) Toluene	9.78	91	3786968	9.238	ppbv	100
54) 1,2-Dibromoethane	10.58	107	1955720	9.903	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.10	131	1531361	7.669	ppbv	97
57) Chlorobenzene	12.12	112	2822674	7.671	ppbv	97
58) Ethyl Benzene	12.68	91	4985910	7.444	ppbv	98
59) m/p-Xylene	12.97	91	4121943	7.445	ppbv #	31
60) o-Xylene	13.66	91	3881835	7.351	ppbv	100
61) Styrene	13.50	104	2387226	8.024	ppbv	100
62) Isopropylbenzene	14.64	105	5543437	7.304	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.65	83	2703816	6.856	ppbv	100
64) n-propylbenzene	15.54	120	1534737	7.838	ppbv	99
65) tert-Butylbenzene	16.72	119	5036819	7.355	ppbv	99
66) Benzyl Chloride	16.96	91	215189	5.664	ppbv	100
67) sec-Butylbenzene	17.27	105	6881590	7.366	ppbv	99
69) p-Isopropyltoluene	17.63	119	6009126	7.481	ppbv	100
70) n-Butylbenzene	18.52	91	5882234	7.709	ppbv	100
71) 2-Chlorotoluene	15.43	91	4122295	7.521	ppbv	98
72) 4-Ethyltoluene	15.81	105	4887554	7.798	ppbv	99
73) 1,3,5-Trimethylbenzene	15.97	105	4406513	7.487	ppbv	98
74) 1,2,4-Trimethylbenzene	16.74	105	4585807	7.536	ppbv	98
75) 1,3-Dichlorobenzene	16.97	146	2895643	7.792	ppbv	99
76) 1,4-Dichlorobenzene	17.11	146	2844085	7.570	ppbv	99
77) 1,2-Dichlorobenzene	17.79	146	2827874	7.595	ppbv	100
78) Hexachloro-1,3-Butadiene	23.35	225	2058630	6.876	ppbv	100
79) Naphthalene	22.16	128	4340061	9.090	ppbv	100
80) Naphthalene, 2-methyl-	24.95	142	1248597	12.026	ppbv	95
81) 1,2,4-Trichlorobenzene	21.90	180	2448935	8.414	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.00 min

Lab File: VL036985.D

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ClientSampleId :

VSTDCCC010

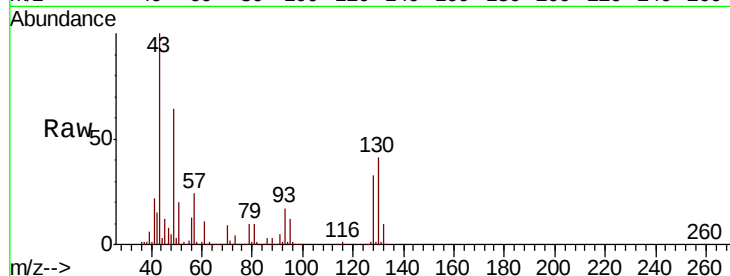
Tot Ion: 49 Resp: 1284981

Ion Ratio Lower Upper

49 100

128 56.2 26.9 80.7

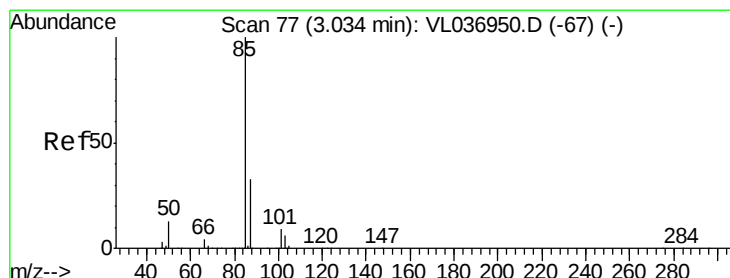
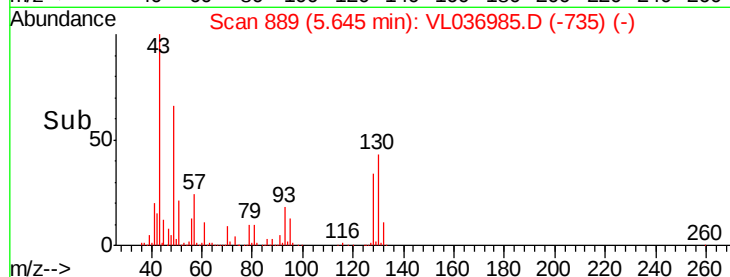
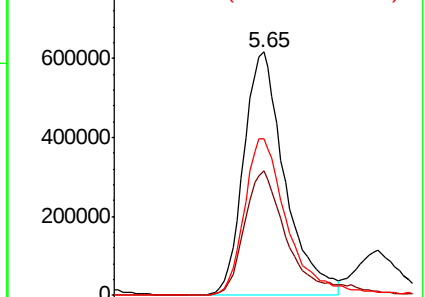
130 69.4 33.8 101.4



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: 8.592 ppbv

RT: 3.03 min Scan# 75

Delta R.T. -0.01 min

Lab File: VL036985.D

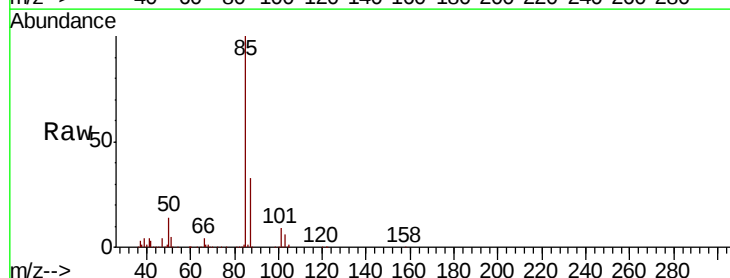
Acq: 19 May 2021 9:29

Tgt Ion: 85 Resp: 1872958

Ion Ratio Lower Upper

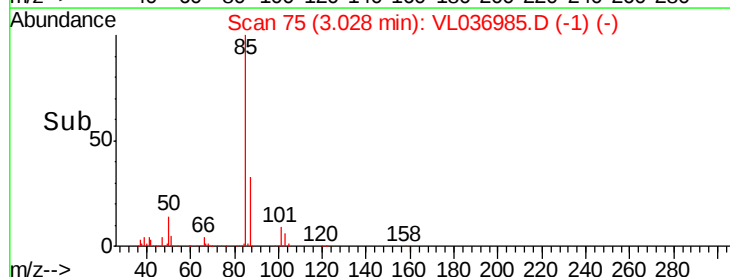
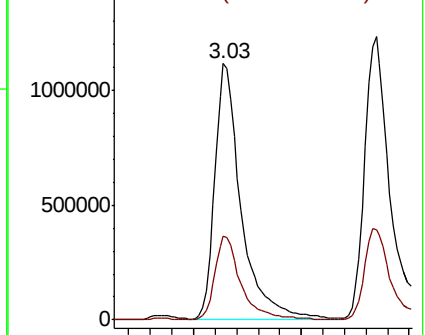
85 100

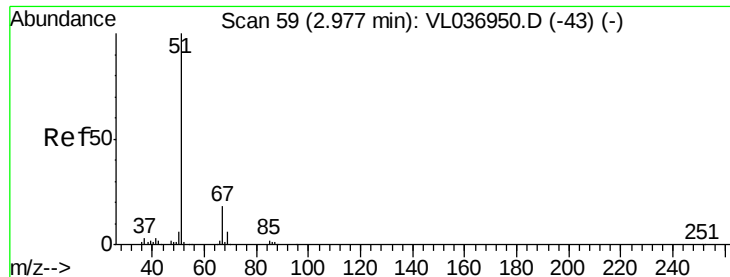
87 32.7 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.838 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.01 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

Instrument :

MSVOA_L

ClientSampleId :

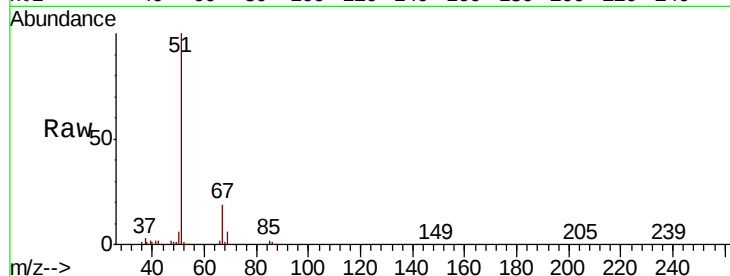
VSTDCCC010

Tot Ion: 51 Resp: 2315979

Ion Ratio Lower Upper

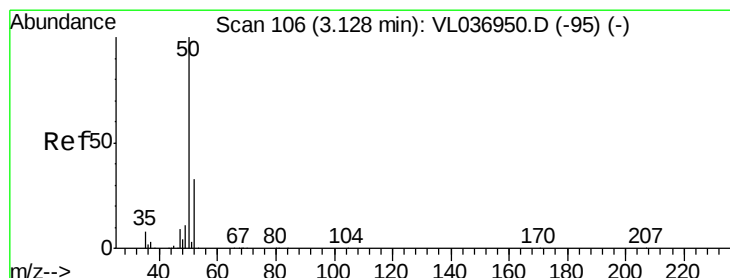
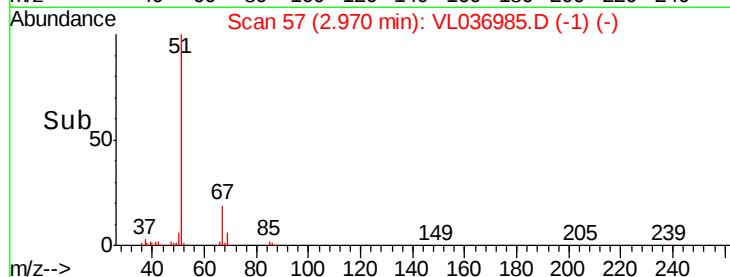
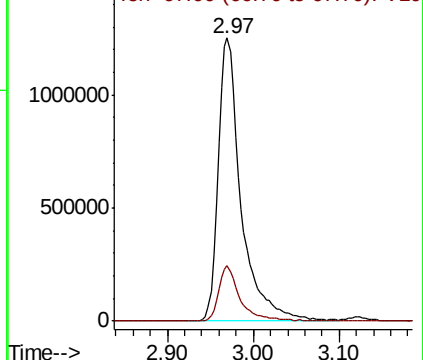
51 100

67 18.5 14.6 21.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.217 ppbv

RT: 3.12 min Scan# 104

Delta R.T. -0.01 min

Lab File: VL036985.D

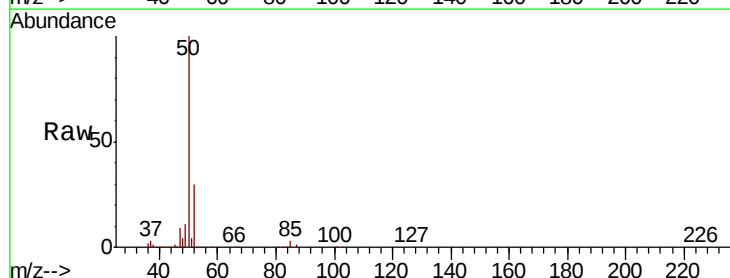
Acq: 19 May 2021 9:29

Tgt Ion: 50 Resp: 818479

Ion Ratio Lower Upper

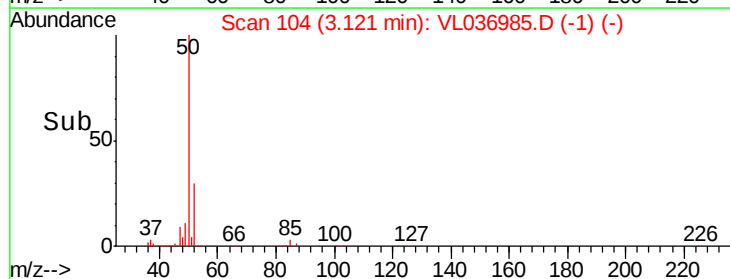
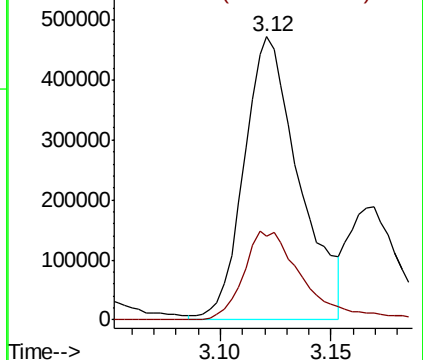
50 100

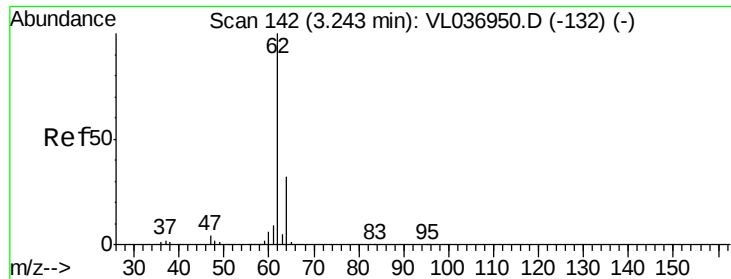
52 30.1 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.766 ppbv

RT: 3.24 min Scan# 140

Delta R.T. -0.01 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

Instrument :

MSVOA_L

ClientSampleId :

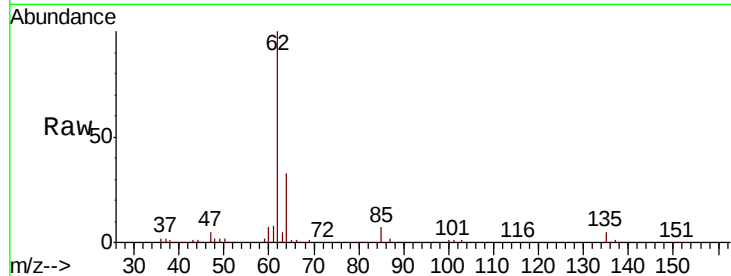
VSTDCCC010

Tot Ion: 62 Resp: 855127

Ion Ratio Lower Upper

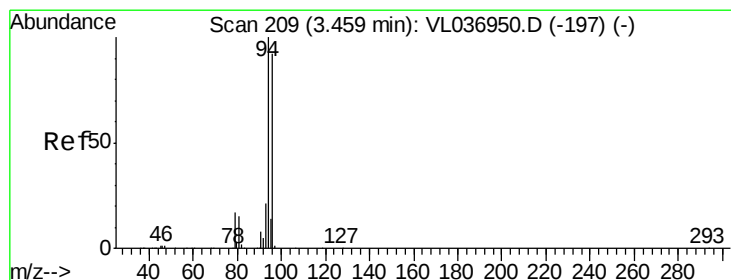
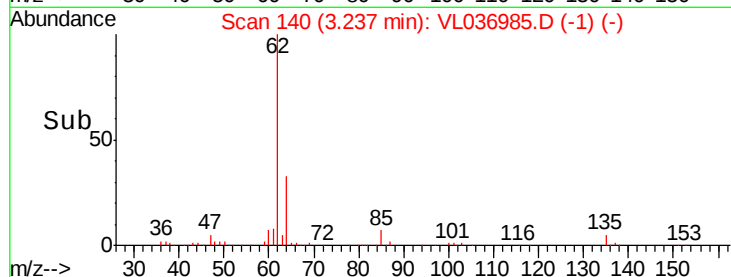
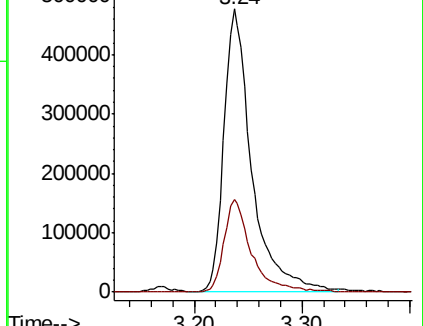
62 100

64 32.8 25.9 38.9



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.951 ppbv

RT: 3.46 min Scan# 208

Delta R.T. -0.00 min

Lab File: VL036985.D

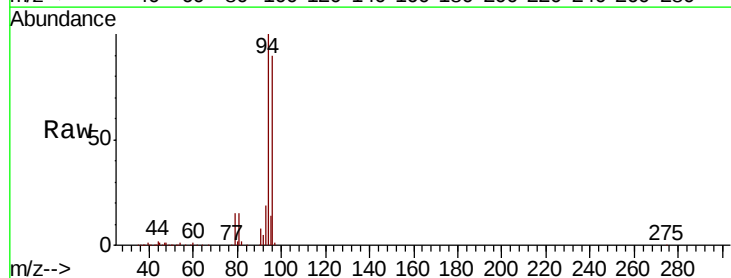
Acq: 19 May 2021 9:29

Tgt Ion: 94 Resp: 459142

Ion Ratio Lower Upper

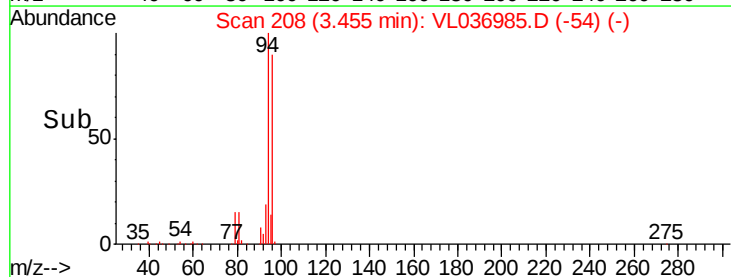
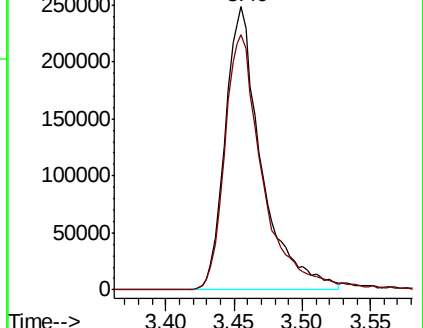
94 100

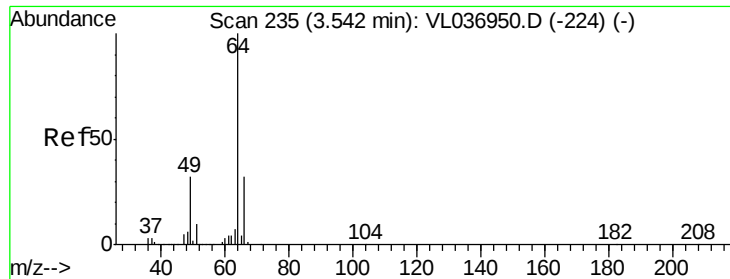
96 89.9 74.0 111.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.717 ppbv

RT: 3.54 min Scan# 233

Delta R.T. -0.01 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

Instrument :

MSVOA_L

ClientSampleId :

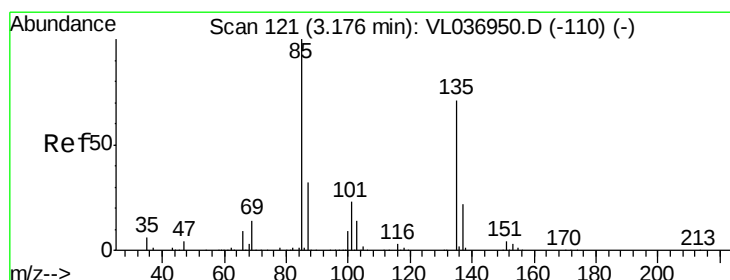
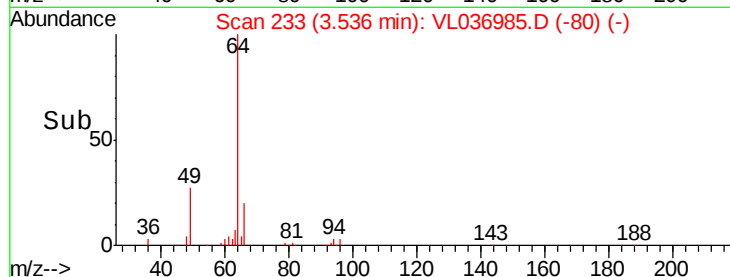
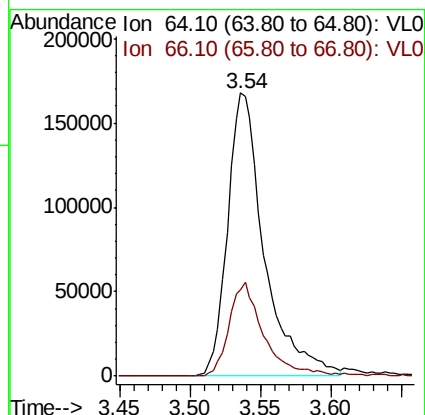
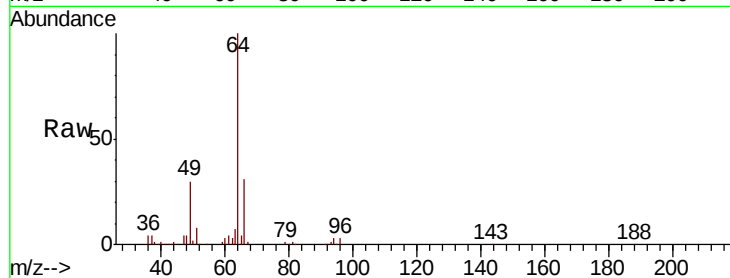
VSTDCCC010

Tot Ion: 64 Resp: 304713

Ion Ratio Lower Upper

64 100

66 30.6 25.4 38.2



#8

Dichlorotetrafluoroethane

Concen: 9.869 ppbv

RT: 3.17 min Scan# 119

Delta R.T. -0.01 min

Lab File: VL036985.D

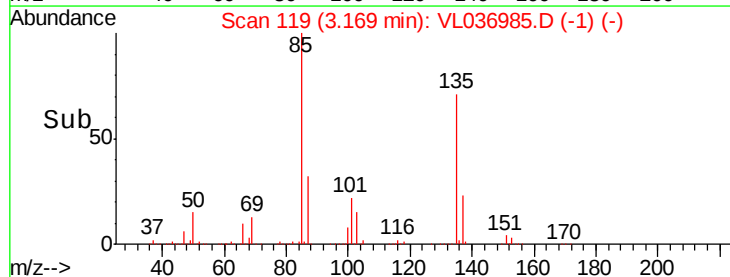
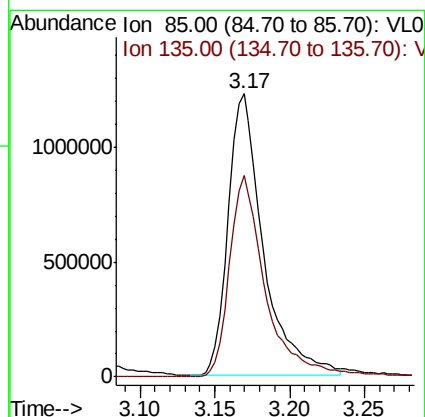
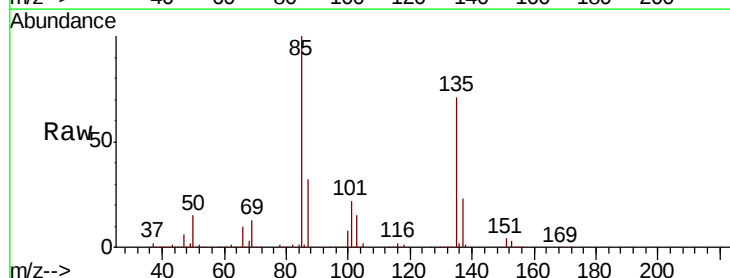
Acq: 19 May 2021 9:29

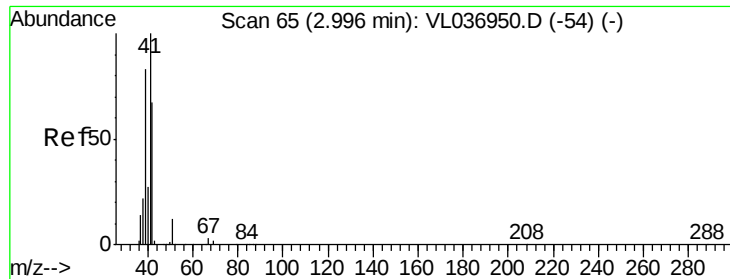
Tgt Ion: 85 Resp: 2019855

Ion Ratio Lower Upper

85 100

135 74.1 57.7 86.5





#9

Propene

Concen: 9.828 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.01 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

Instrument :

MSVOA_L

ClientSampleId :

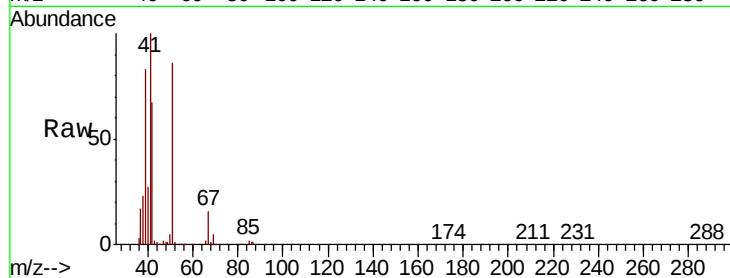
VSTDCCC010

Tot Ion: 41 Resp: 828442

Ion Ratio Lower Upper

41 100

42 67.0 53.9 80.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

2.99

500000

400000

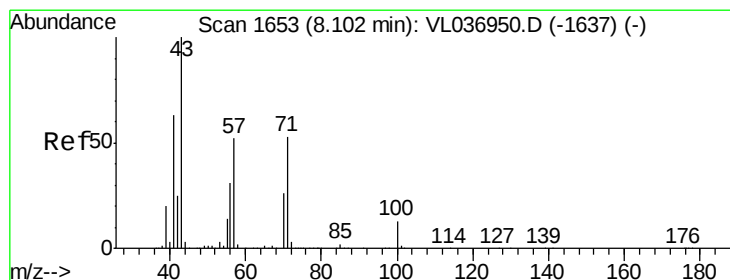
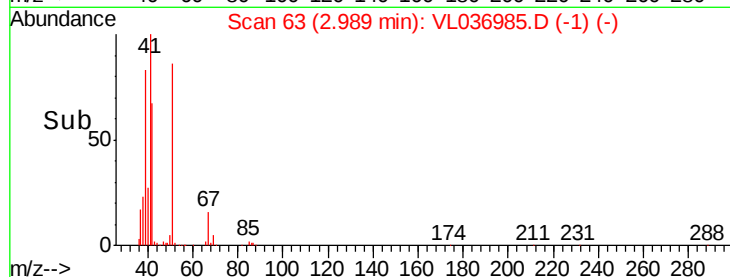
300000

200000

100000

0

Time--> 2.90 3.00 3.10



#10

Heptane

Concen: 9.763 ppbv

RT: 8.10 min Scan# 1652

Delta R.T. -0.00 min

Lab File: VL036985.D

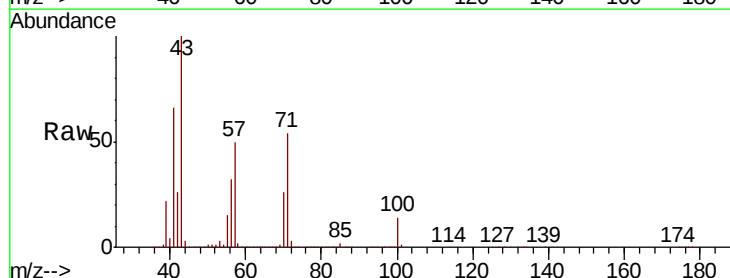
Acq: 19 May 2021 9:29

Tgt Ion: 43 Resp: 2051027

Ion Ratio Lower Upper

43 100

57 50.6 41.0 61.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.10

1000000

800000

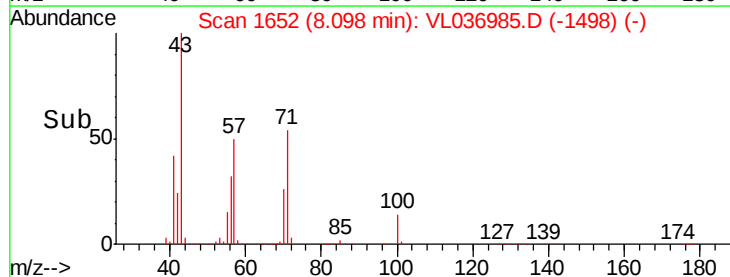
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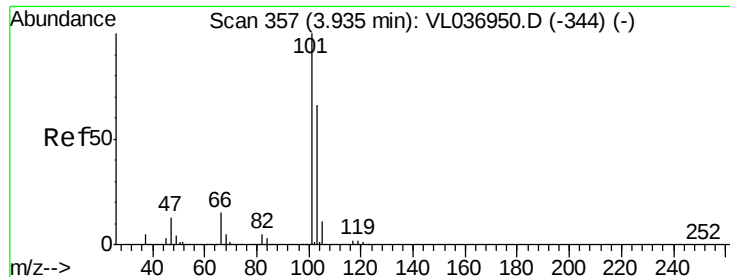
400000

200000

0

Time--> 8.00 8.10 8.20

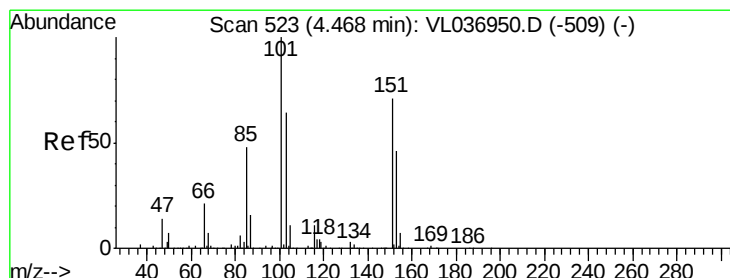
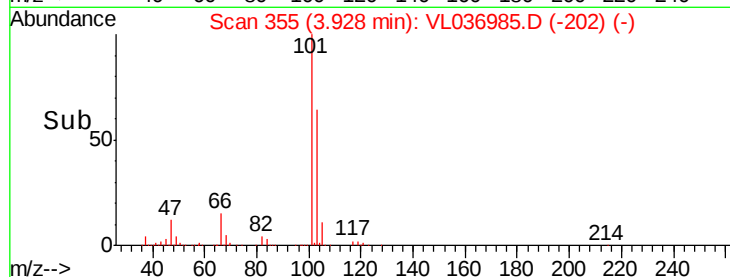
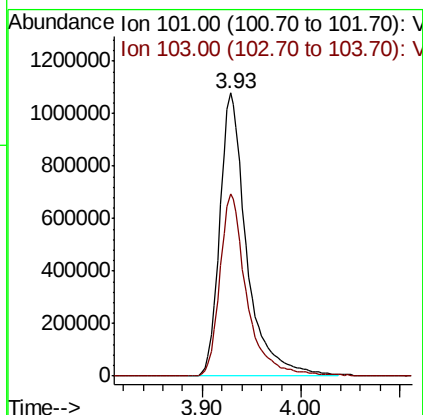
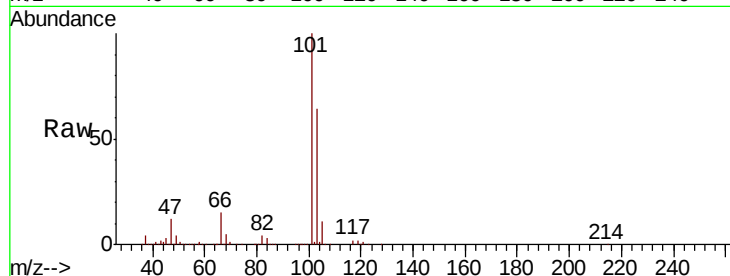




#11
 Trichlorofluoromethane
 Concen: 10.252 ppbv
 RT: 3.93 min Scan# 355
 Delta R.T. -0.01 min
 Lab File: VL036985.D
 Acq: 19 May 2021 9:29

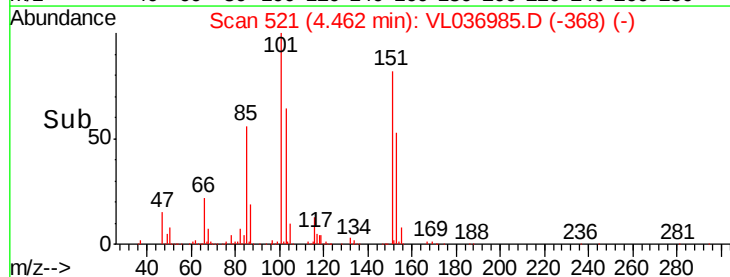
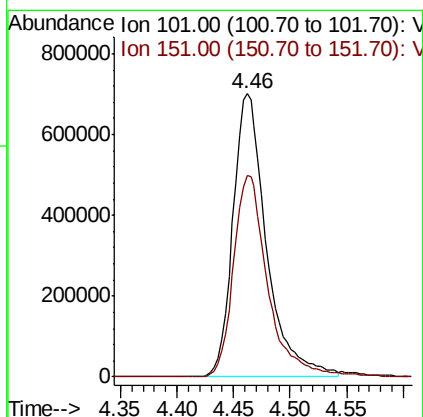
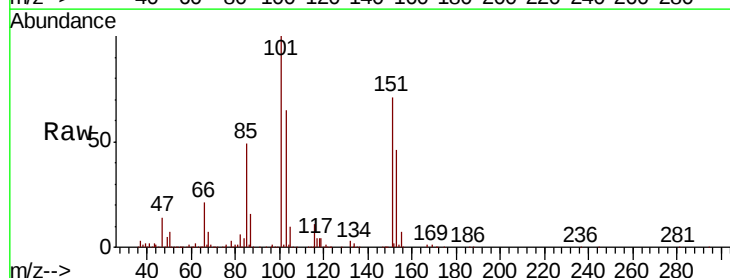
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

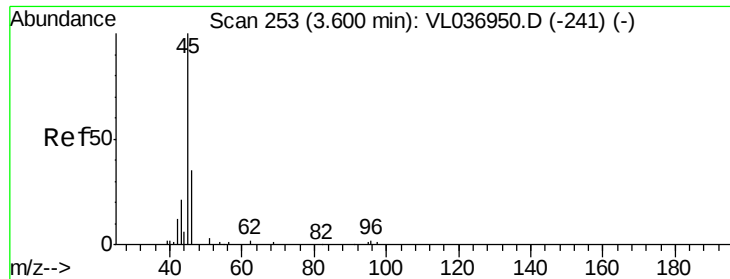
Tot Ion:101 Resp: 2068518
 Ion Ratio Lower Upper
 101 100
 103 64.4 52.6 79.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.068 ppbv
 RT: 4.46 min Scan# 521
 Delta R.T. -0.01 min
 Lab File: VL036985.D
 Acq: 19 May 2021 9:29

Tgt Ion:101 Resp: 1447013
 Ion Ratio Lower Upper
 101 100
 151 73.3 57.7 86.5





#13

Ethanol

Concen: 4.629 ppbv

RT: 3.59 min Scan# 251

Delta R.T. -0.01 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

Instrument :

MSVOA_L

ClientSampleId :

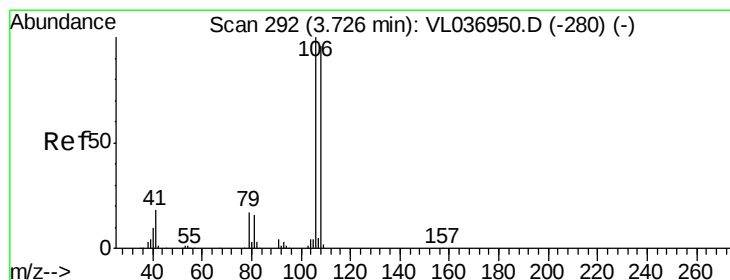
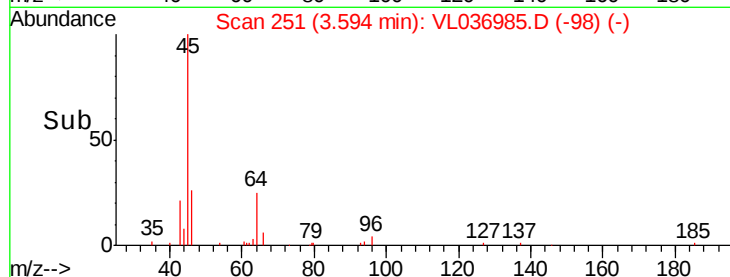
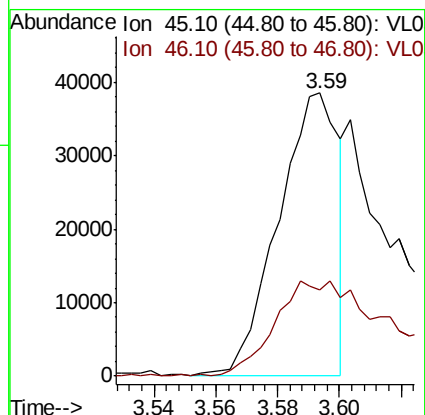
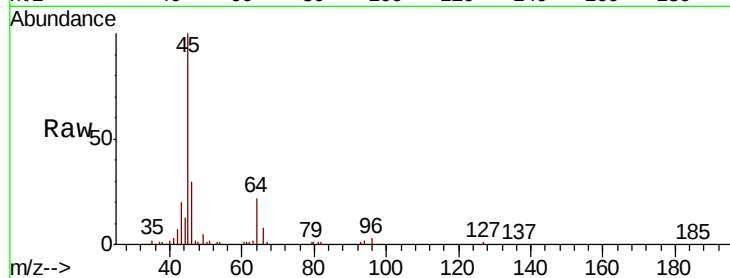
VSTDCCC010

Tot Ion: 45 Resp: 52063

Ion Ratio Lower Upper

45 100

46 78.7 16.3 65.3#



#14

Bromoethene

Concen: 10.134 ppbv

RT: 3.72 min Scan# 290

Delta R.T. -0.01 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

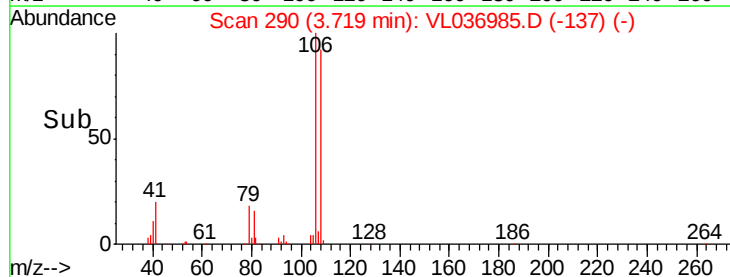
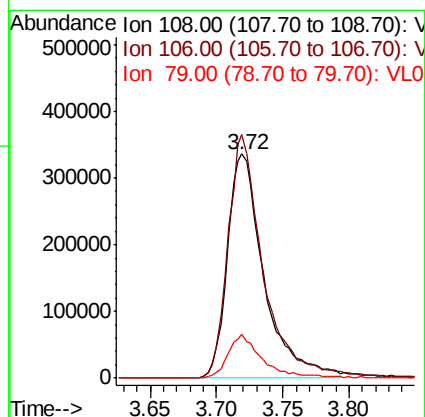
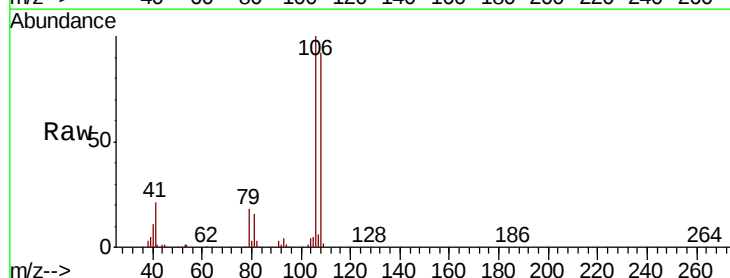
Tgt Ion: 108 Resp: 641503

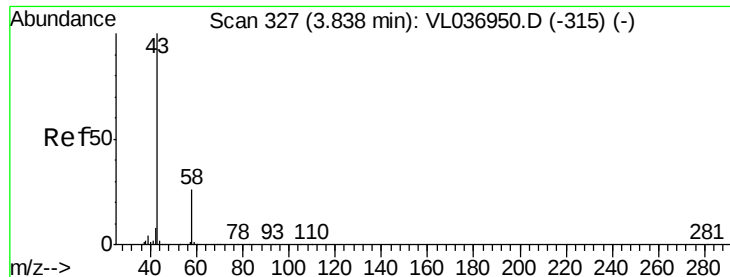
Ion Ratio Lower Upper

108 100

106 107.3 86.5 129.7

79 18.9 15.0 22.4





#15

Acetone

Concen: 8.194 ppbv

RT: 3.83 min Scan# 325

Delta R.T. -0.01 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

Instrument :

MSVOA_L

ClientSampleId :

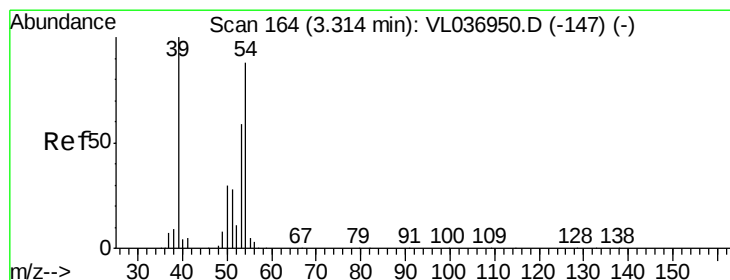
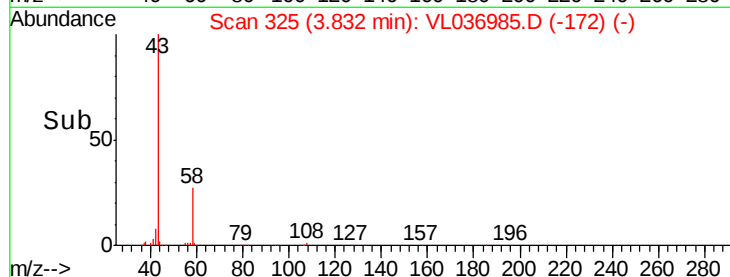
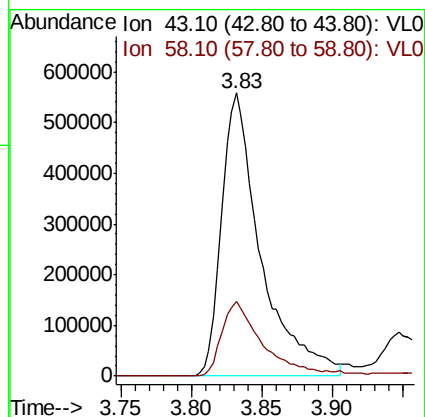
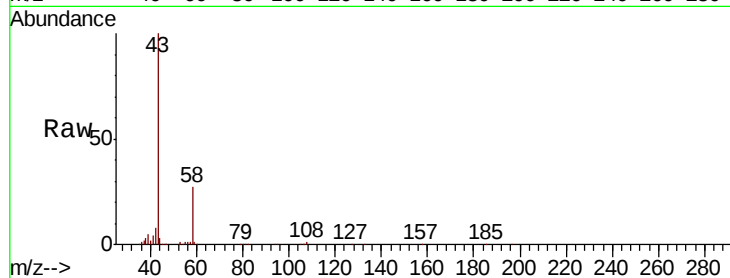
VSTDCCC010

Tot Ion: 43 Resp: 1078533

Ion Ratio Lower Upper

43 100

58 28.0 24.0 36.0



#16

1,3-Butadiene

Concen: 10.154 ppbv

RT: 3.31 min Scan# 162

Delta R.T. -0.01 min

Lab File: VL036985.D

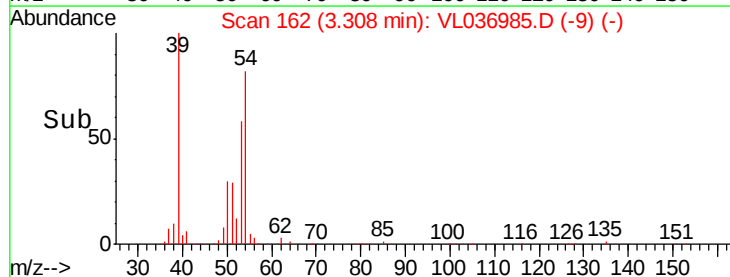
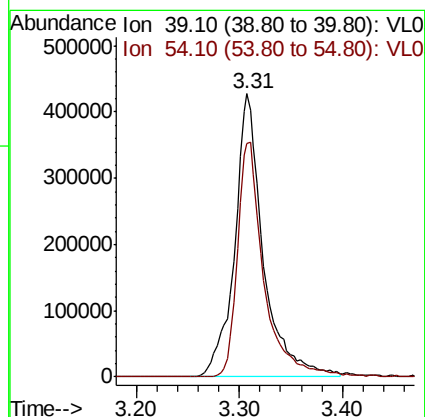
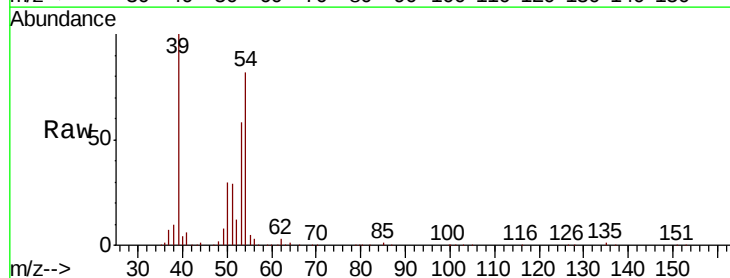
Acq: 19 May 2021 9:29

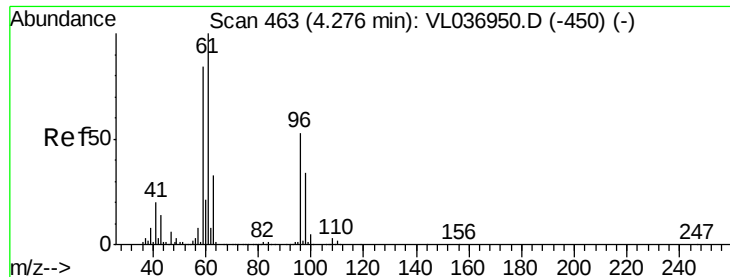
Tgt Ion: 39 Resp: 830313

Ion Ratio Lower Upper

39 100

54 77.3 63.2 94.8





#17

tert-Butyl alcohol

Concen: 10.175 ppbv

RT: 4.27 min Scan# 462

Delta R.T. -0.00 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

Instrument :

MSVOA_L

ClientSampleID :

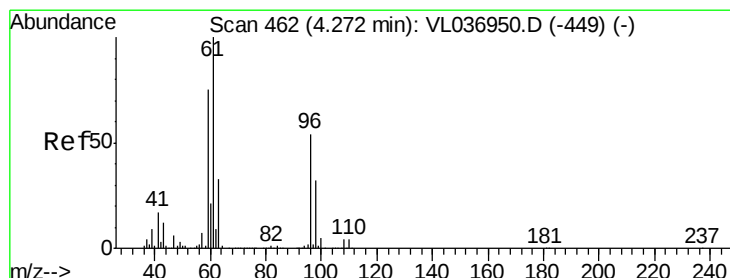
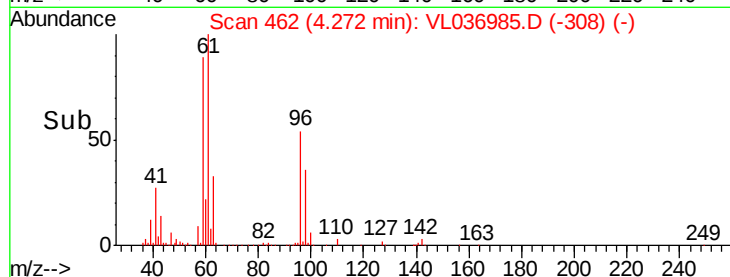
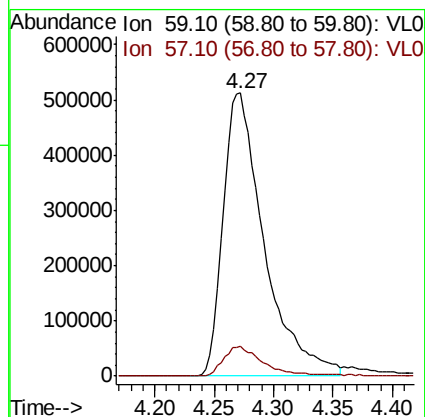
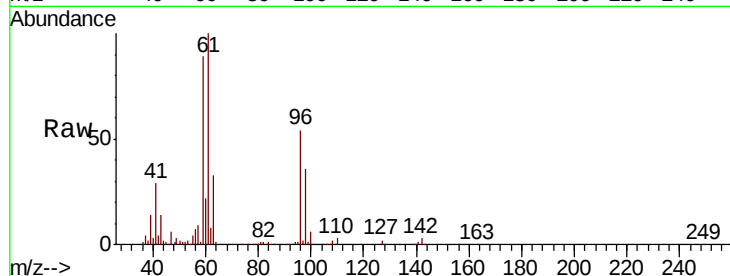
VSTDCCC010

Tot Ion: 59 Resp: 1226707

Ion Ratio Lower Upper

59 100

57 10.7 8.3 12.5



#18

1,1-Dichloroethene

Concen: 9.952 ppbv

RT: 4.27 min Scan# 461

Delta R.T. -0.00 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

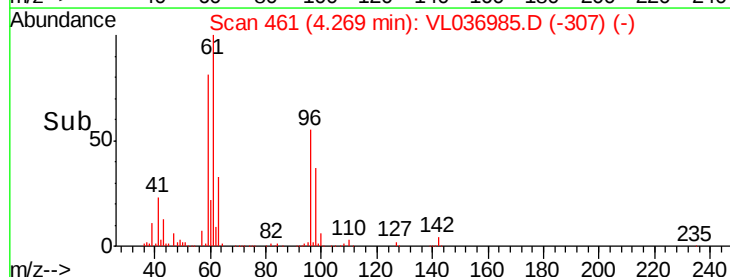
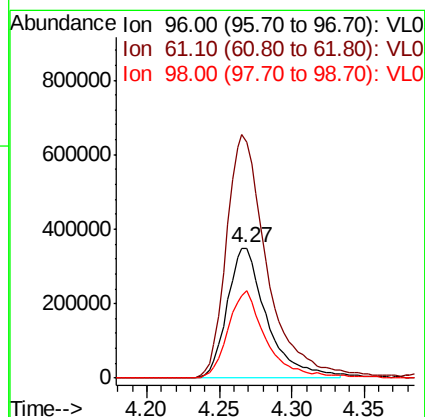
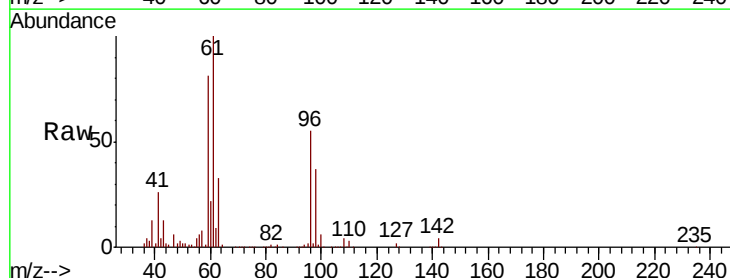
Tgt Ion: 96 Resp: 661388

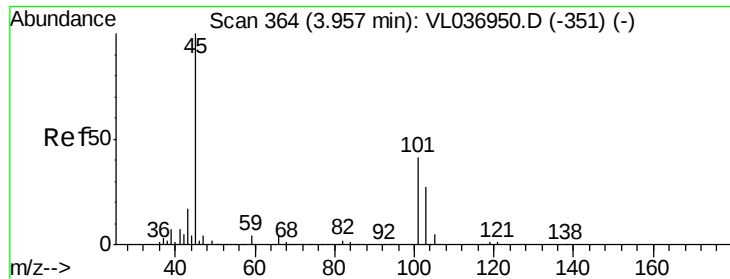
Ion Ratio Lower Upper

96 100

61 181.6 148.2 222.4

98 66.8 47.8 71.6





#19

Isopropyl Alcohol

Concen: 10.465 ppbv

RT: 3.95 min Scan# 362

Delta R.T. -0.01 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

Instrument :

MSVOA_L

ClientSampleId :

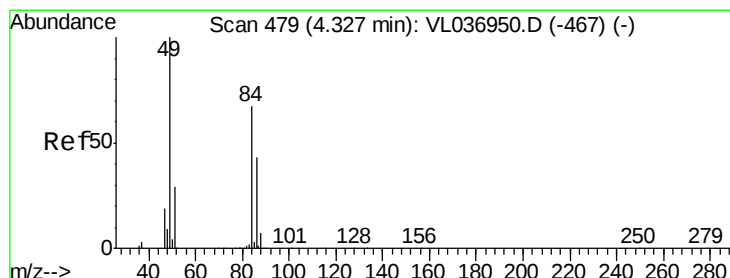
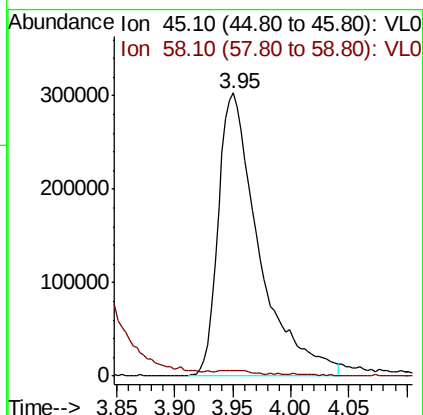
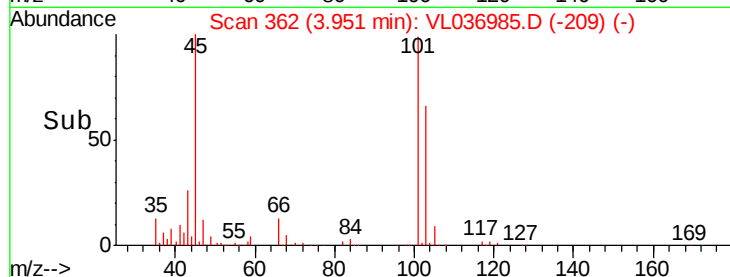
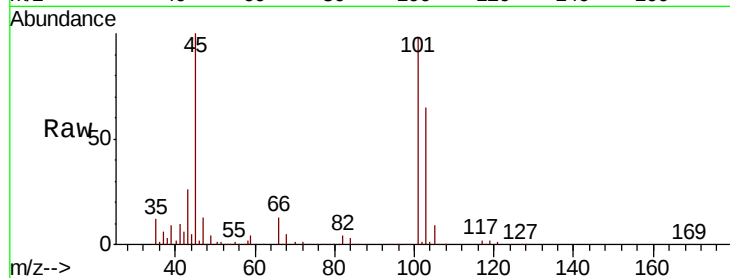
VSTDCCC010

Tot Ion: 45 Resp: 740405

Ion Ratio Lower Upper

45 100

58 44.1 37.2 55.8



#20

Methylene Chloride

Concen: 7.721 ppbv

RT: 4.32 min Scan# 478

Delta R.T. -0.00 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

Tgt Ion: 84 Resp: 544709

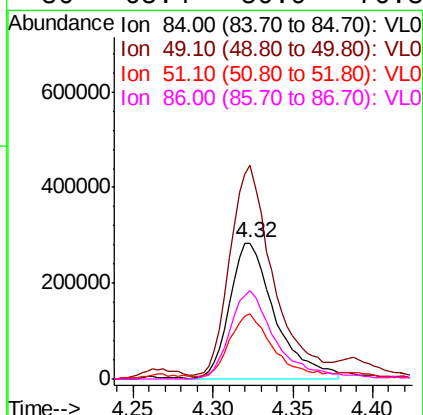
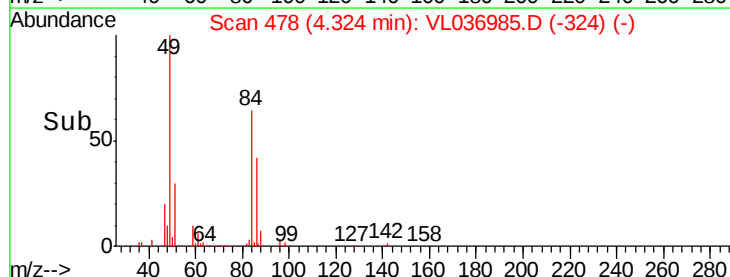
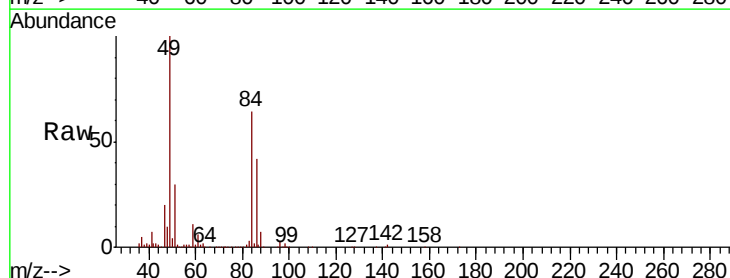
Ion Ratio Lower Upper

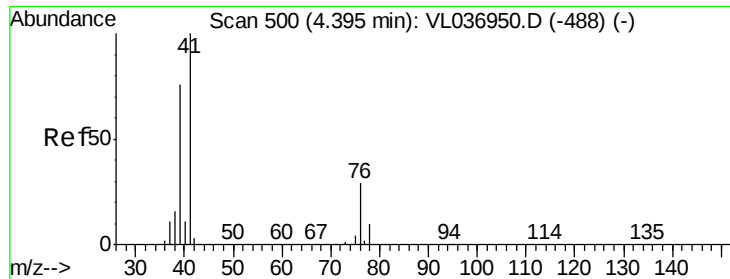
84 100

49 154.3 119.8 179.6

51 46.1 35.1 52.7

86 65.4 50.9 76.3





#21

Allvl Chloride

Concen: 9.847 ppbv

RT: 4.39 min Scan# 499

Delta R.T. -0.00 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

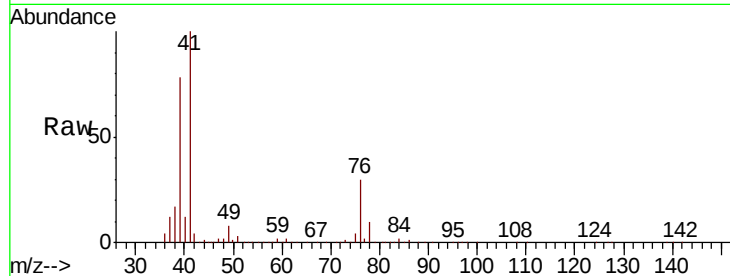
Tot Ion: 41 Resp: 977753

Ion Ratio Lower Upper

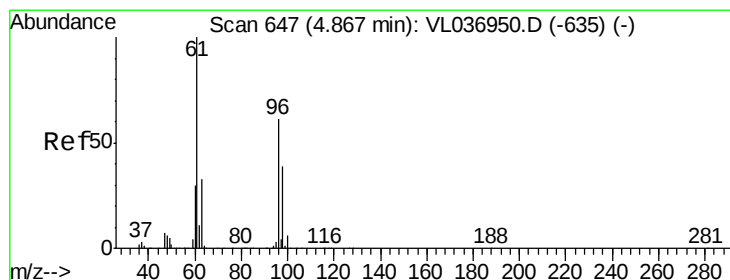
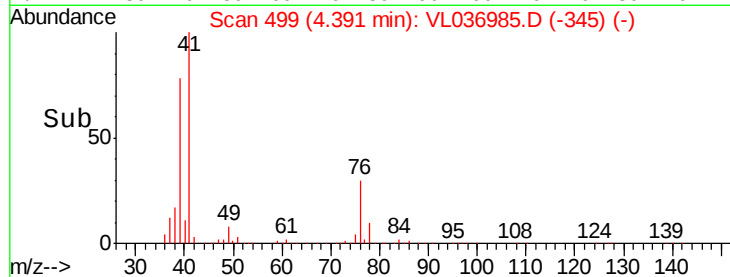
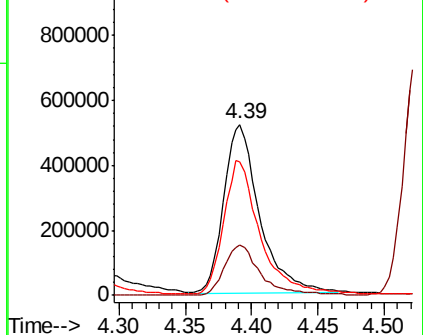
41 100

76 30.6 24.9 37.3

39 80.8 63.7 95.5



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: 10.281 ppbv

RT: 4.86 min Scan# 646

Delta R.T. -0.00 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

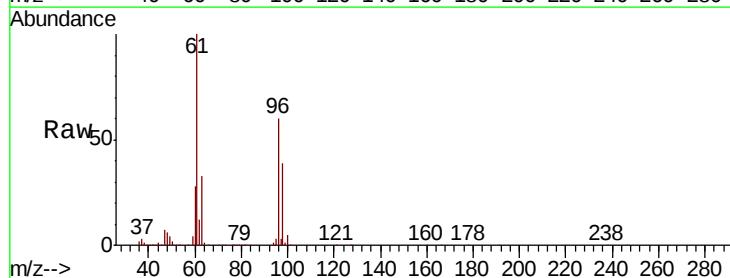
Tgt Ion: 96 Resp: 654800

Ion Ratio Lower Upper

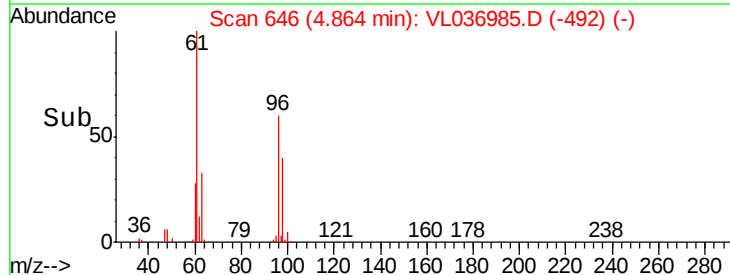
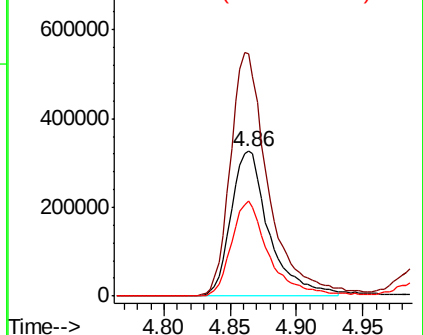
96 100

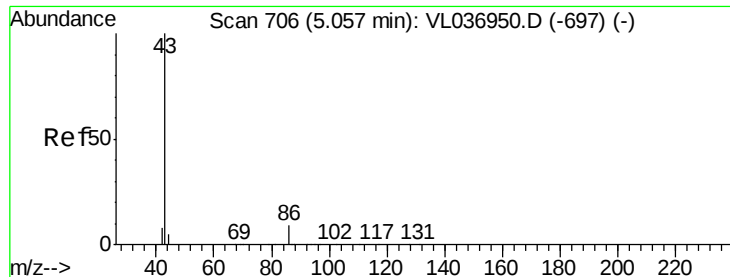
61 167.2 130.6 196.0

98 66.0 50.8 76.2



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



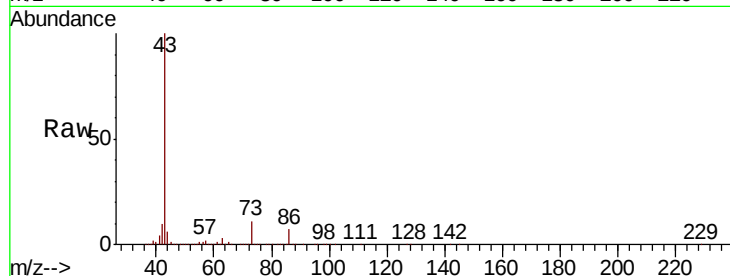


#23
 Vinyl Acetate
 Concen: 8.773 ppbv
 RT: 5.05 min Scan# 704
 Delta R.T. -0.01 min
 Lab File: VL036985.D
 Acq: 19 May 2021 9:29

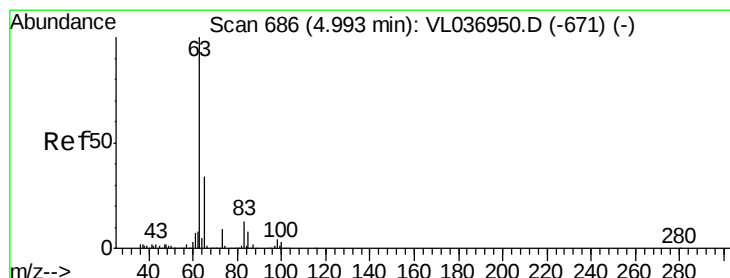
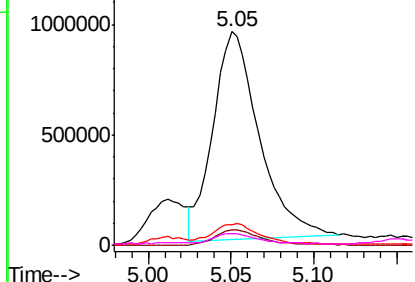
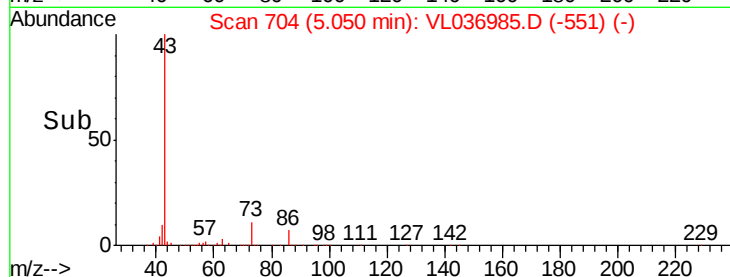
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 43 Resp: 1832706

Ion	Ratio	Lower	Upper
43	100		
86	7.1	5.8	8.8
42	9.5	7.4	11.2
44	5.3	3.3	4.9#



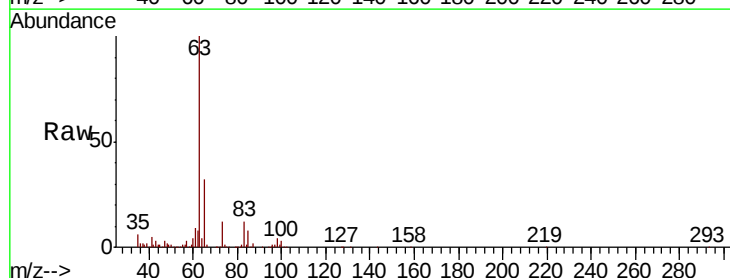
Abundance Ion 43.10 (42.80 to 43.80): VL0
 1500000 Ion 86.10 (85.80 to 86.80): VL0
 Ion 42.10 (41.80 to 42.80): VL0
 Ion 44.10 (43.80 to 44.80): VL0



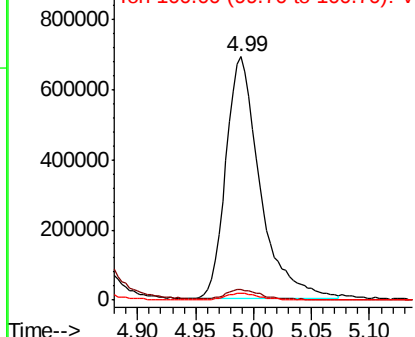
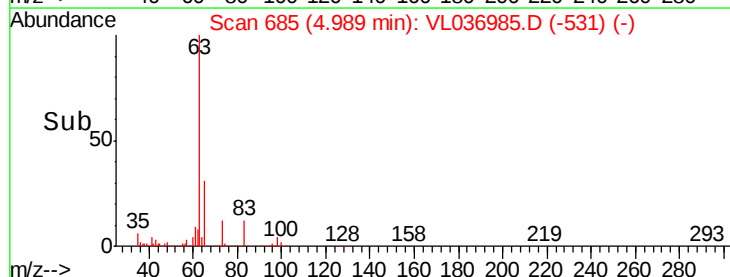
#24
 1,1-Dichloroethane
 Concen: 9.410 ppbv
 RT: 4.99 min Scan# 685
 Delta R.T. -0.00 min
 Lab File: VL036985.D
 Acq: 19 May 2021 9:29

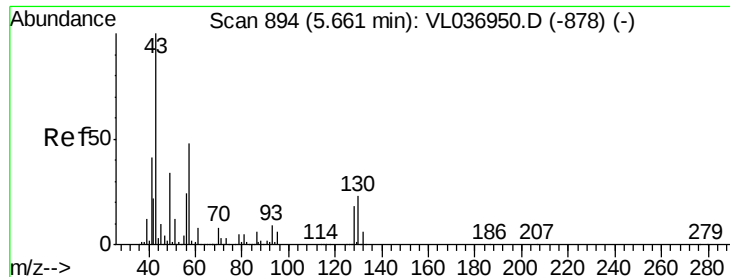
Tgt Ion: 63 Resp: 1415004

Ion	Ratio	Lower	Upper
63	100		
98	4.0	2.3	6.9
100	2.6	1.4	4.0



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

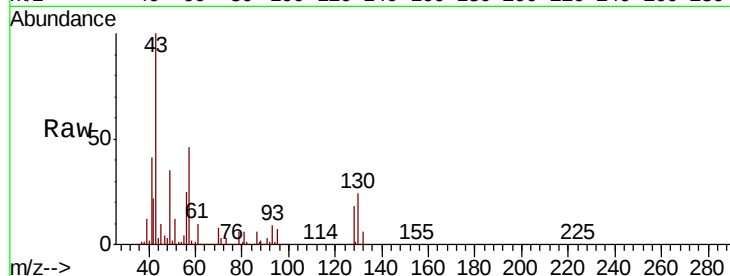




#25
Ethyl Acetate
Concen: 9.355 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.01 min
Lab File: VL036985.D
Acq: 19 May 2021 9:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:	43	Resp:	2958825
Ion	Ratio	Lower	Upper
43	100		
45	9.6	7.8	11.8
61	9.6	7.8	11.8
70	6.9	5.6	8.4



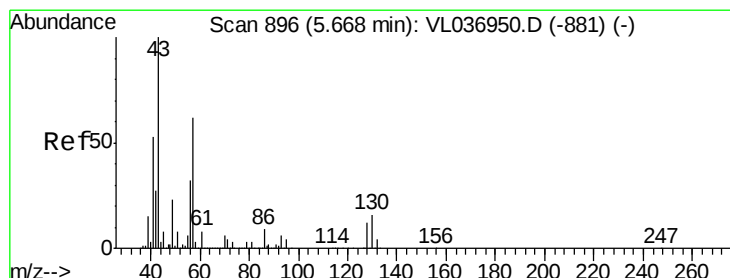
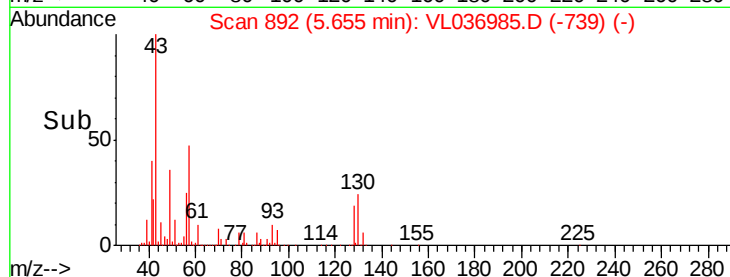
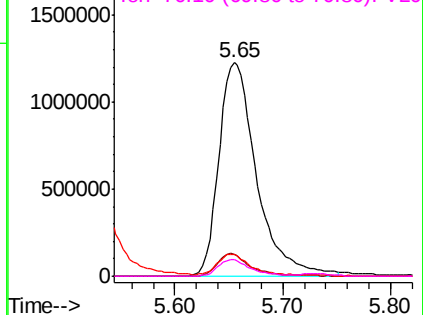
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

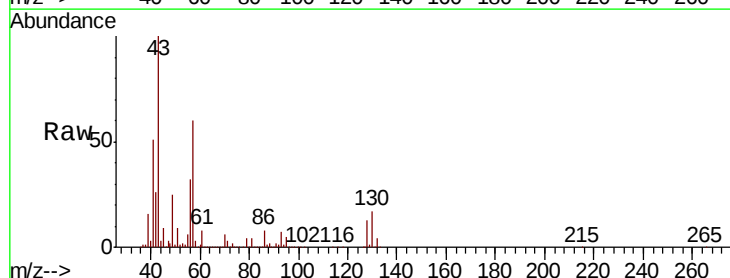
Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.088 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.01 min
Lab File: VL036985.D
Acq: 19 May 2021 9:29

Tgt Ion:	57	Resp:	1468400
Ion	Ratio	Lower	Upper
57	100		
41	88.5	70.5	105.7
43	205.8	165.8	248.8
56	51.8	42.2	63.4



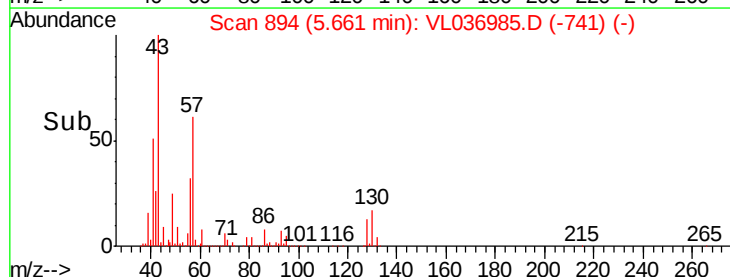
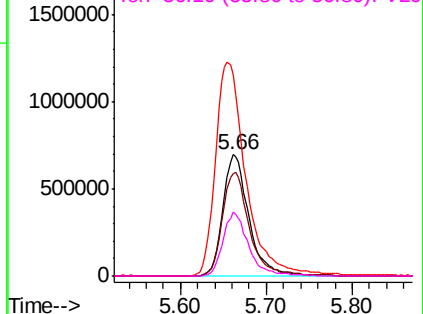
Abundance

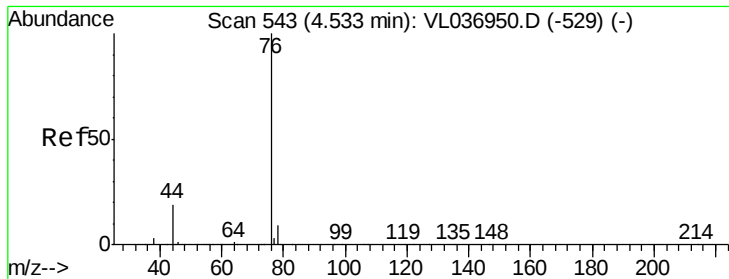
Ion 57.10 (56.80 to 57.80): VL0

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

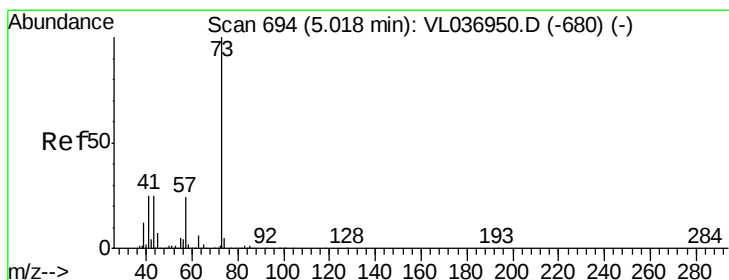
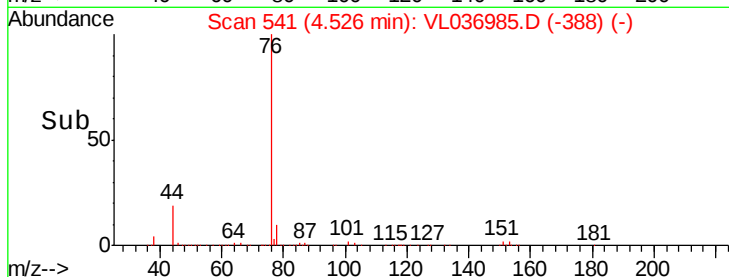
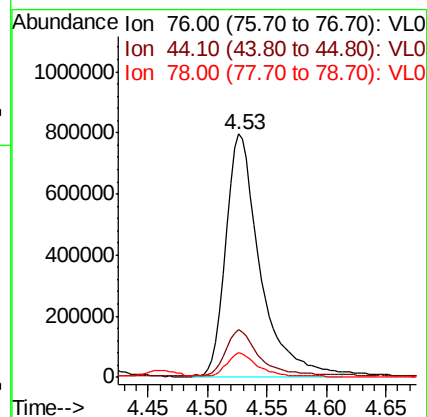
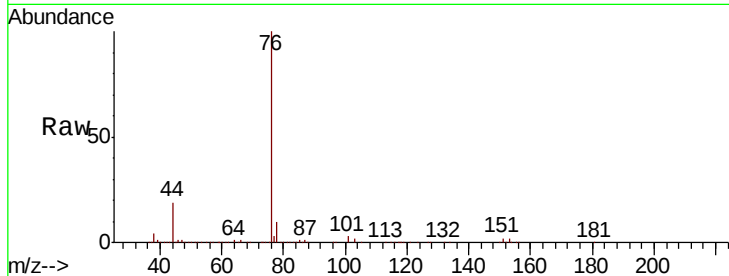




#27
Carbon Disulfide
Concen: 9.734 ppbv
RT: 4.53 min Scan# 541
Delta R.T. -0.01 min
Lab File: VL036985.D
Acq: 19 May 2021 9:29

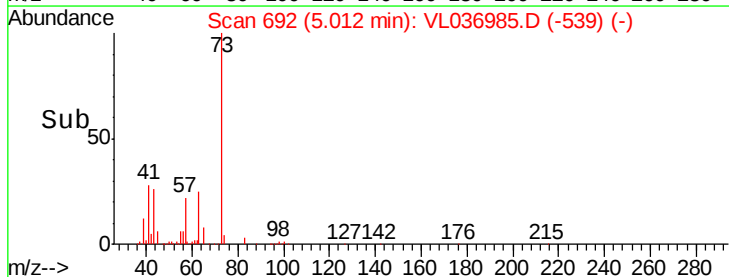
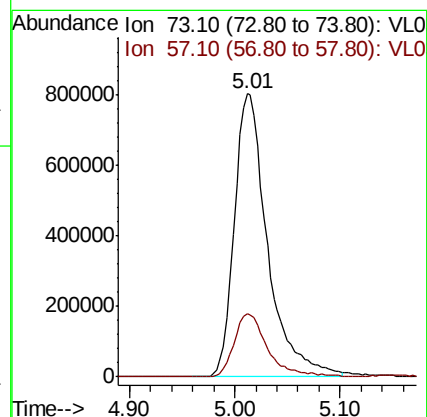
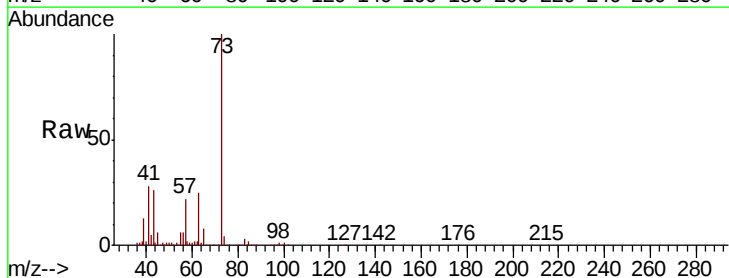
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

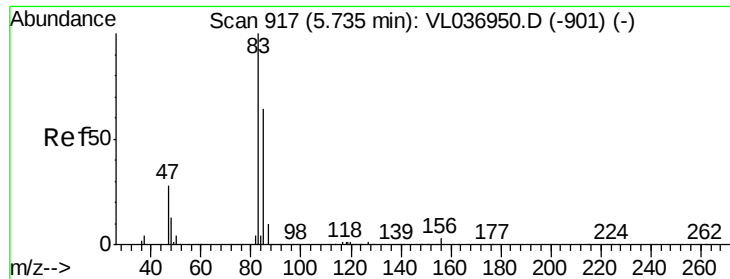
Tot Ion: 76 Resp: 1585110
Ion Ratio Lower Upper
76 100
44 20.3 15.5 23.3
78 9.9 7.8 11.6



#28
Methyl tert-Butyl Ether
Concen: 9.047 ppbv
RT: 5.01 min Scan# 692
Delta R.T. -0.01 min
Lab File: VL036985.D
Acq: 19 May 2021 9:29

Tgt Ion: 73 Resp: 1752026
Ion Ratio Lower Upper
73 100
57 22.8 18.3 27.5





#29

Chloroform

Concen: 9.721 ppbv

RT: 5.73 min Scan# 915

Delta R.T. -0.01 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

Instrument :

MSVOA_L

ClientSampleId :

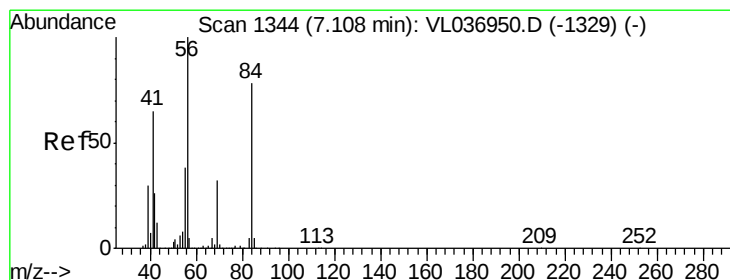
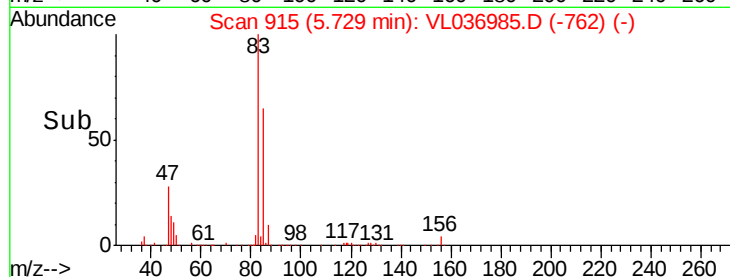
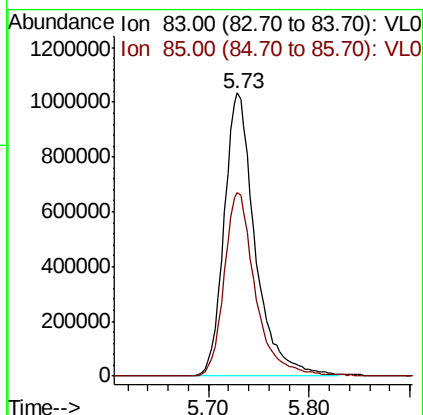
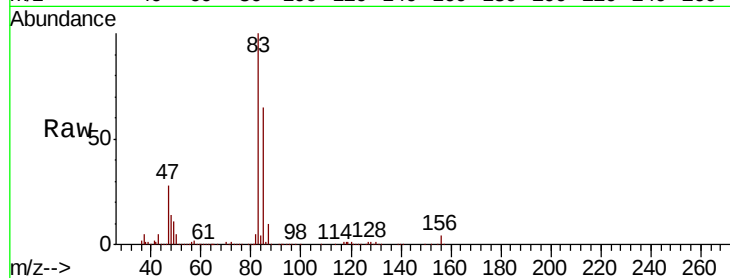
VSTDCCC010

Tot Ion: 83 Resp: 2218998

Ion Ratio Lower Upper

83 100

85 64.6 51.1 76.7



#30

Cyclohexane

Concen: 9.730 ppbv

RT: 7.10 min Scan# 1342

Delta R.T. -0.01 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

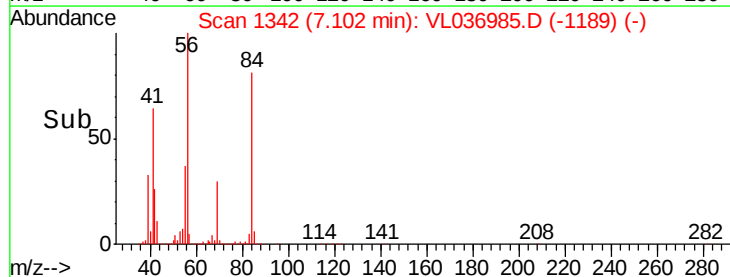
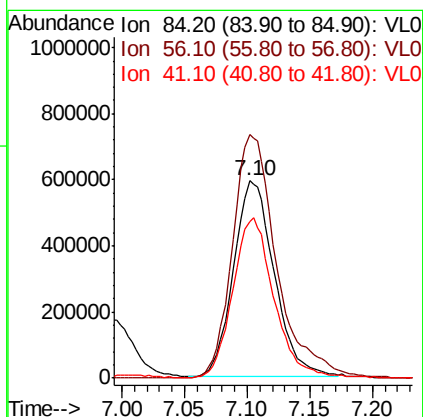
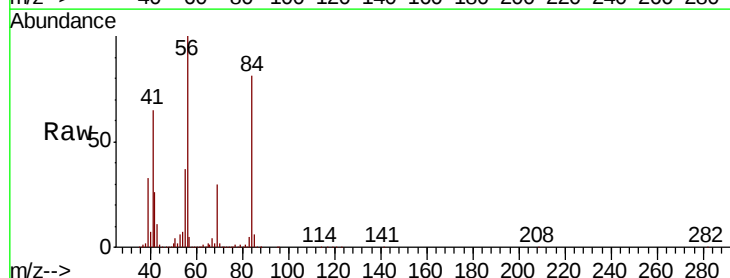
Tgt Ion: 84 Resp: 1335922

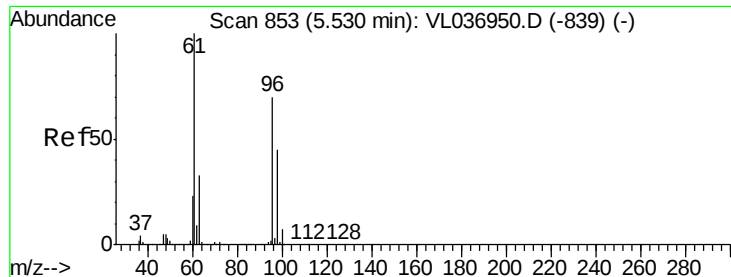
Ion Ratio Lower Upper

84 100

56 136.5 107.9 161.9

41 83.1 65.5 98.3



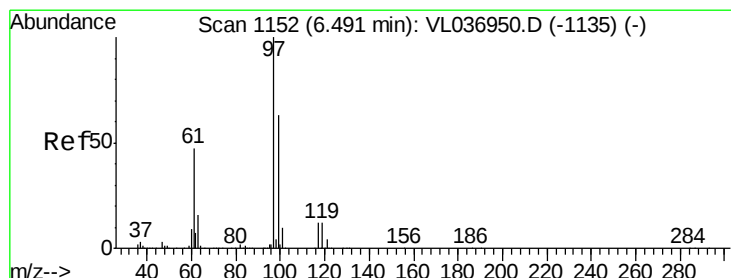
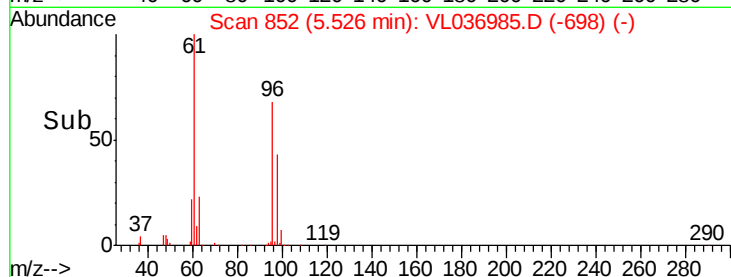
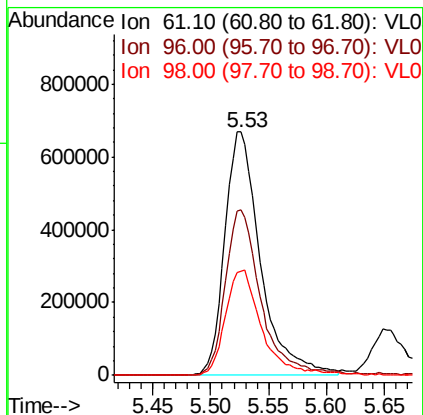
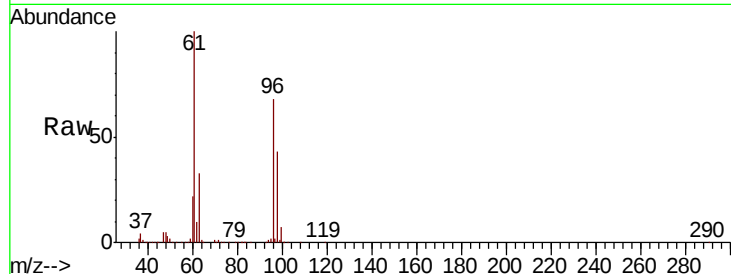


#31

cis-1,2-Dichloroethene
 Concen: 9.829 ppbv
 RT: 5.53 min Scan# 852
 Delta R.T. -0.00 min
 Lab File: VL036985.D
 Acq: 19 May 2021 9:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

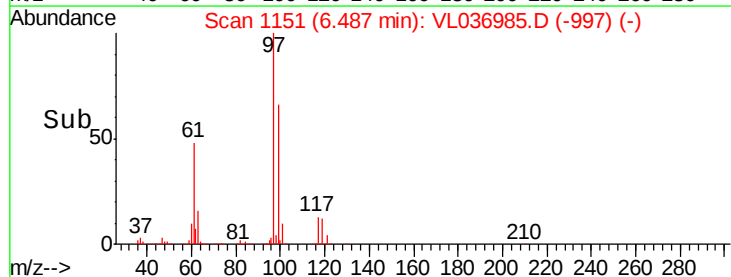
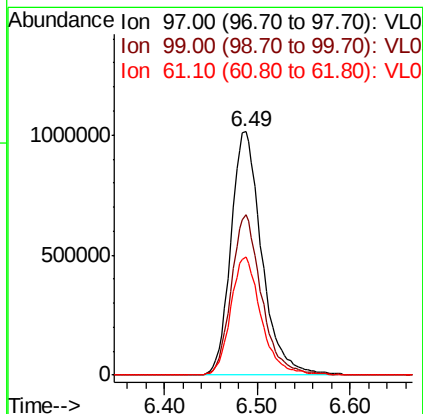
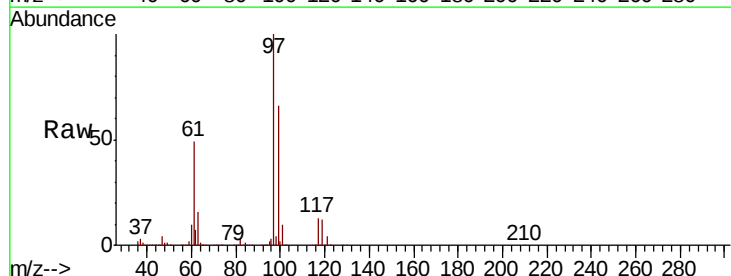
Tot Ion: 61 Resp: 1423860
 Ion Ratio Lower Upper
 61 100
 96 68.0 55.9 83.9
 98 42.9 35.6 53.4

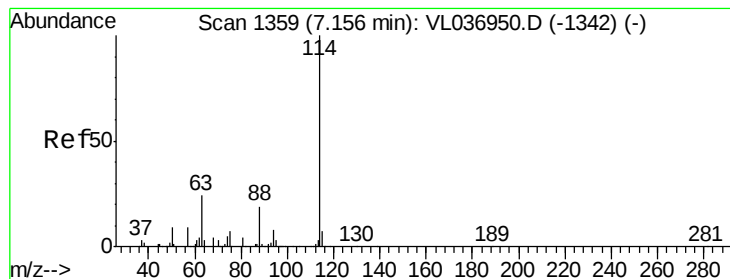


#32

1,1,1-Trichloroethane
 Concen: 9.552 ppbv
 RT: 6.49 min Scan# 1151
 Delta R.T. -0.00 min
 Lab File: VL036985.D
 Acq: 19 May 2021 9:29

Tgt Ion: 97 Resp: 2341213
 Ion Ratio Lower Upper
 97 100
 99 64.8 51.9 77.9
 61 48.1 37.6 56.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.15 min Scan# 1357

Delta R.T. -0.01 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

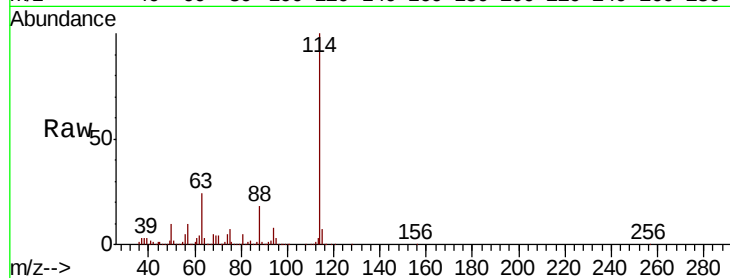
Tot Ion:114 Resp: 3999663

Ion Ratio Lower Upper

114 100

63 24.2 19.6 29.4

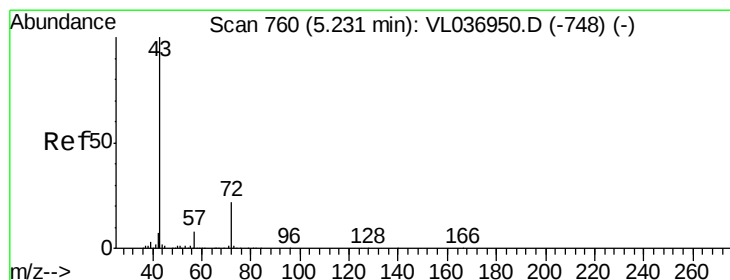
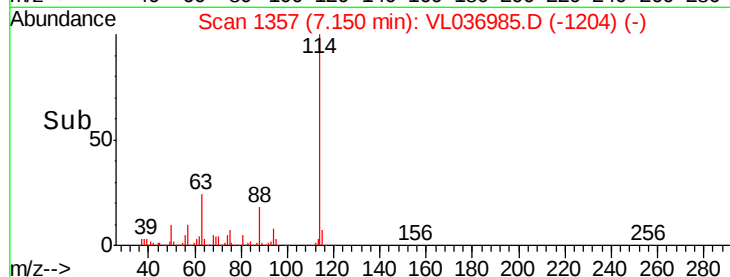
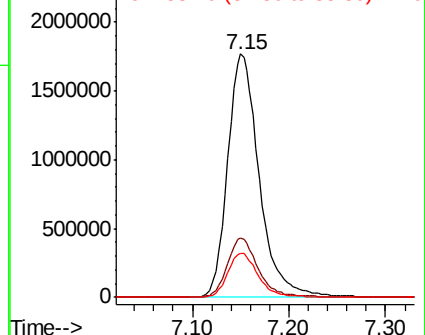
88 17.8 14.6 21.8



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: 9.358 ppbv

RT: 5.22 min Scan# 758

Delta R.T. -0.01 min

Lab File: VL036985.D

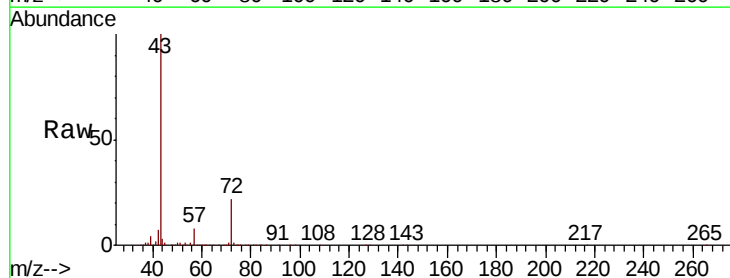
Acq: 19 May 2021 9:29

Tgt Ion: 43 Resp: 1362878

Ion Ratio Lower Upper

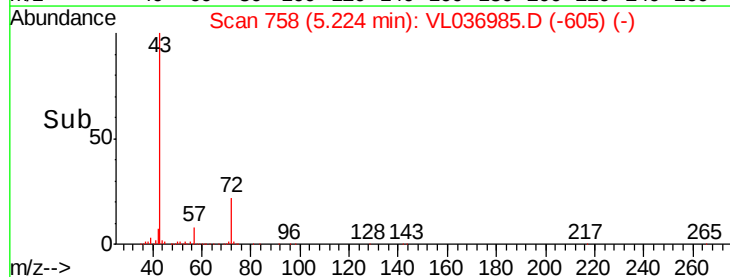
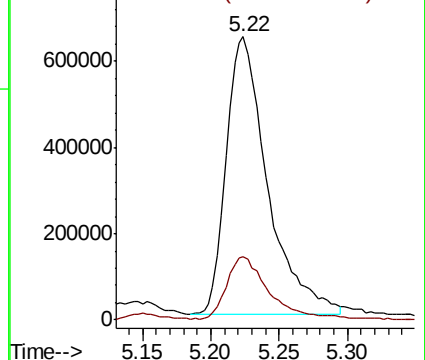
43 100

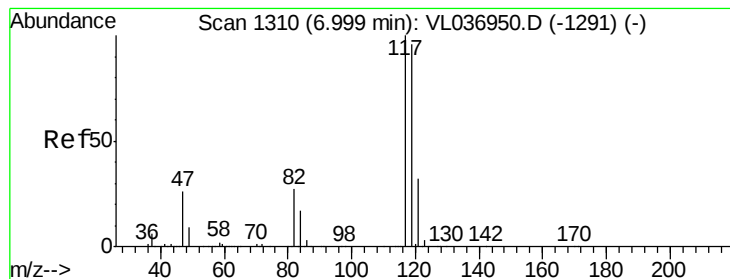
72 24.0 19.0 28.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.129 ppbv

RT: 6.99 min Scan# 1308

Delta R.T. -0.01 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

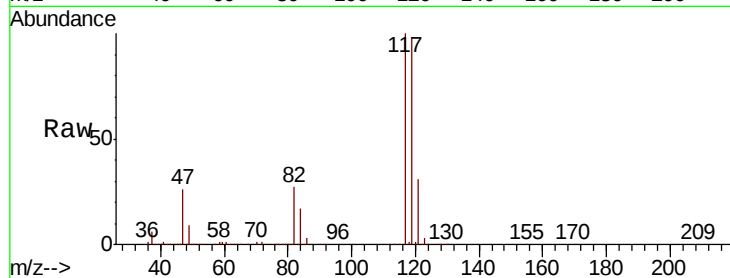
Tot Ion:117 Resp: 2425927

Ion Ratio Lower Upper

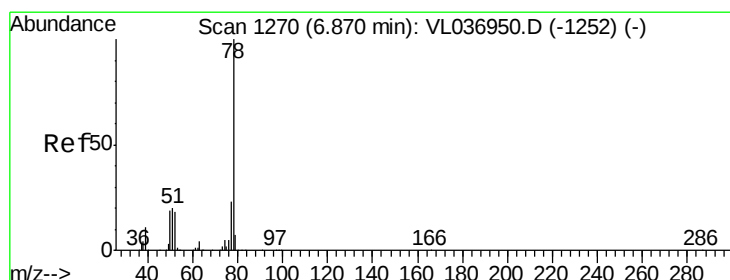
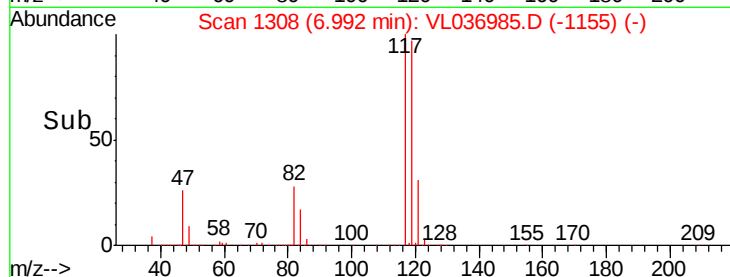
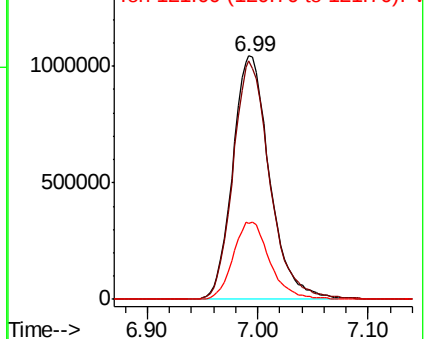
117 100

119 98.0 76.6 114.8

121 31.2 25.8 38.6



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: 9.301 ppbv

RT: 6.86 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

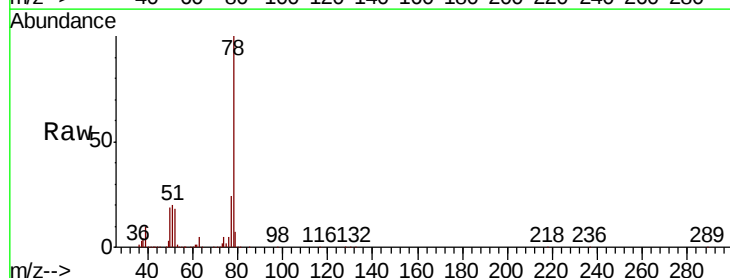
Tgt Ion: 78 Resp: 3204485

Ion Ratio Lower Upper

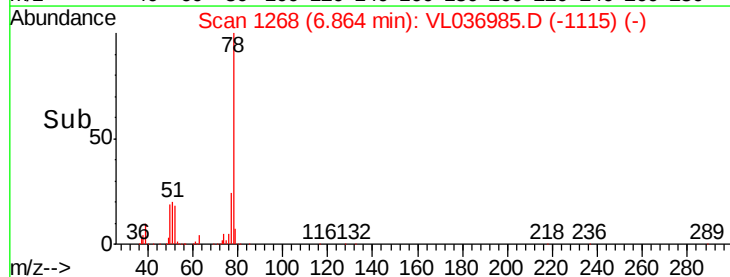
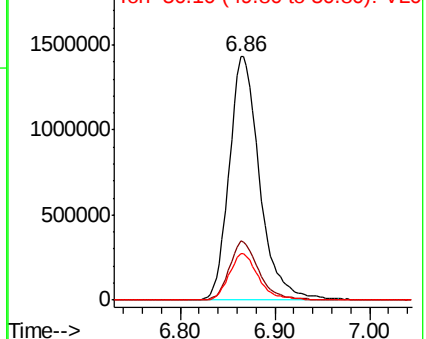
78 100

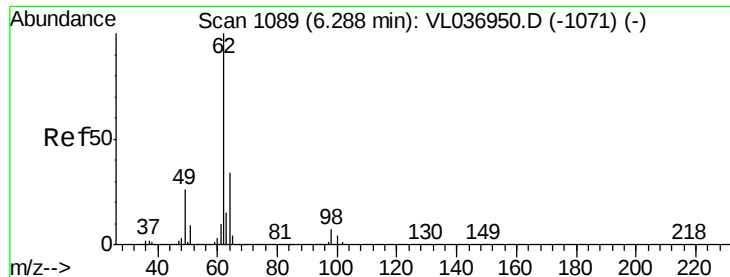
77 24.1 18.6 28.0

50 18.9 15.0 22.4



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0

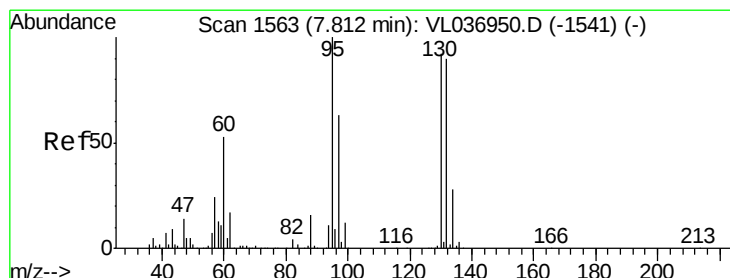
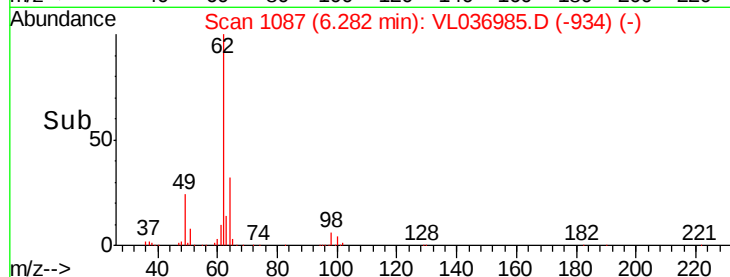
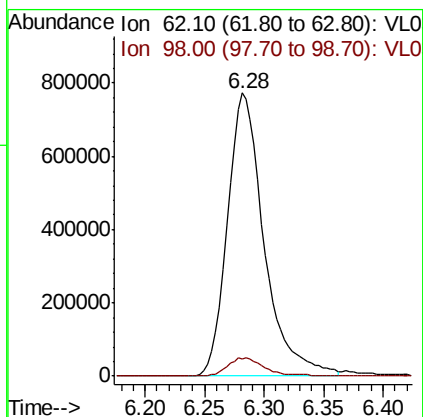
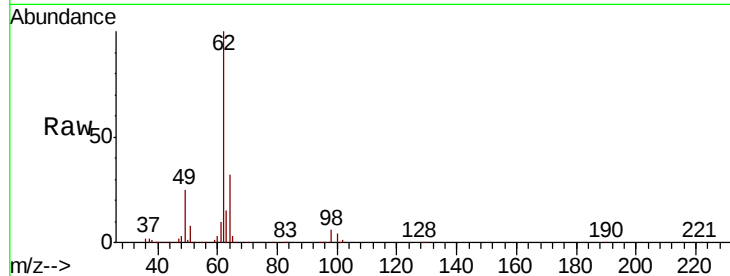




#37
 1,2-Dichloroethane
 Concen: 9.652 ppbv
 RT: 6.28 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: VL036985.D
 Acq: 19 May 2021 9:29

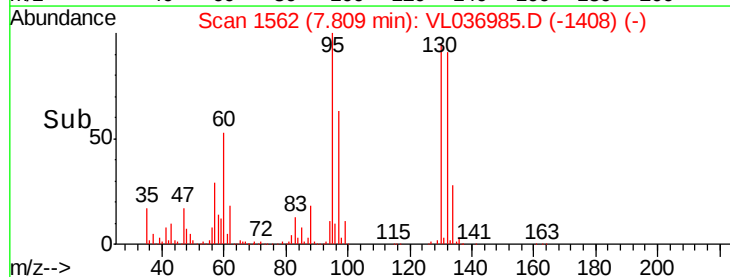
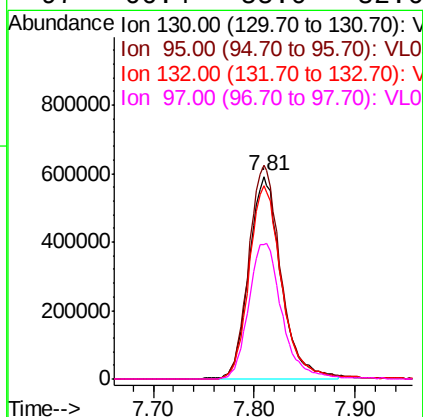
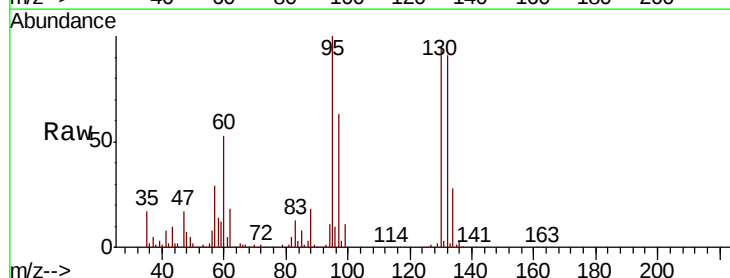
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

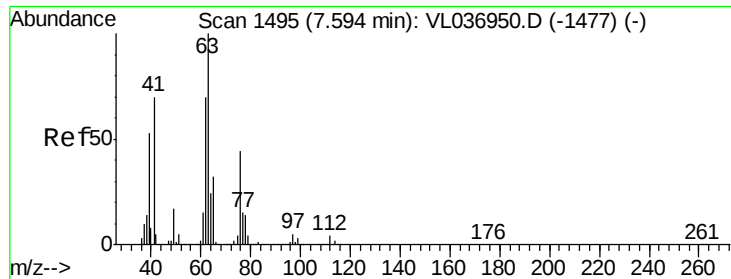
Tot Ion: 62 Resp: 1648530
 Ion Ratio Lower Upper
 62 100
 98 6.7 5.5 8.3



#38
 Trichloroethene
 Concen: 8.840 ppbv
 RT: 7.81 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: VL036985.D
 Acq: 19 May 2021 9:29

Tgt Ion:130 Resp: 1302807
 Ion Ratio Lower Upper
 130 100
 95 105.3 86.9 130.3
 132 95.5 78.4 117.6
 97 66.4 55.0 82.6



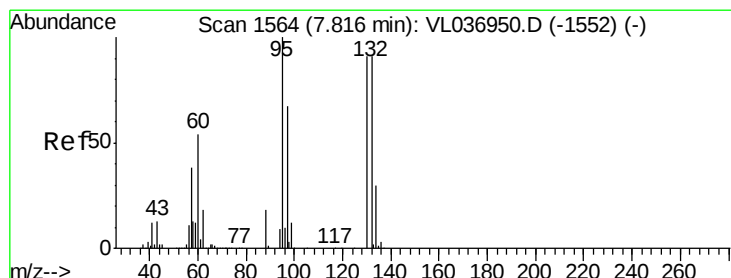
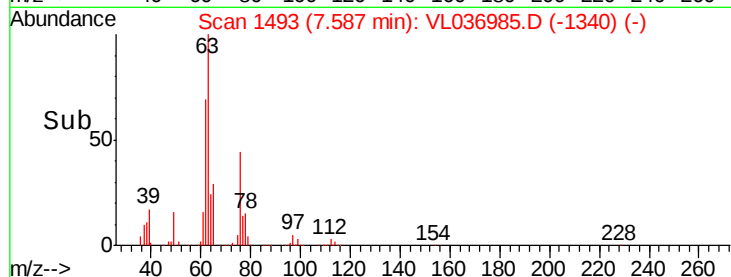
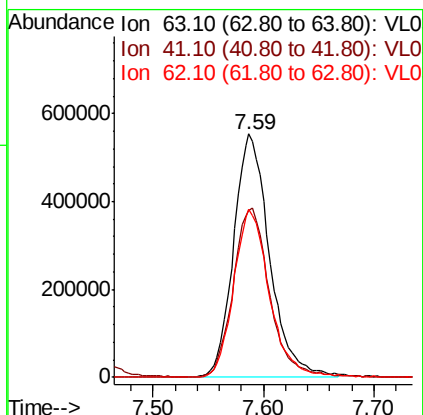
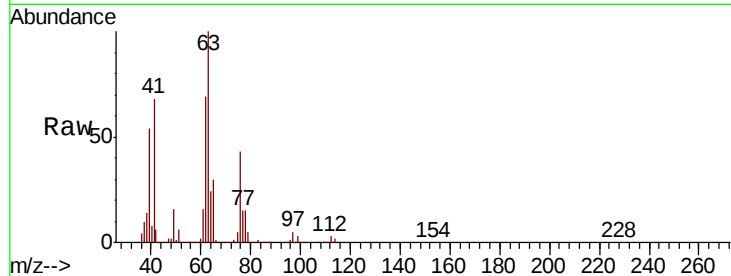


#39
 1,2-Dichloropropane
 Concen: 9.406 ppbv
 RT: 7.59 min Scan# 1493
 Delta R.T. -0.01 min
 Lab File: VL036985.D
 Acq: 19 May 2021 9:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 63 Resp: 1248263

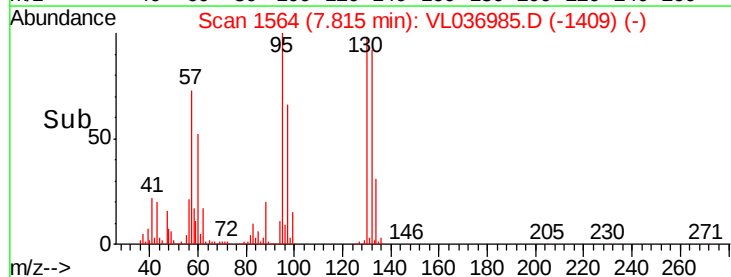
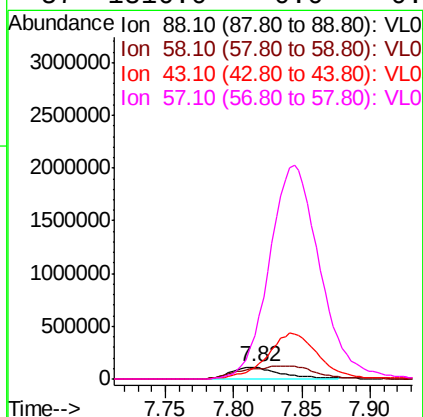
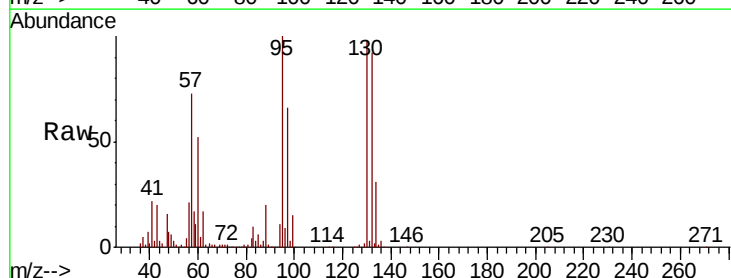
Ion	Ratio	Lower	Upper
63	100		
41	67.9	55.7	83.5
62	69.1	56.2	84.4

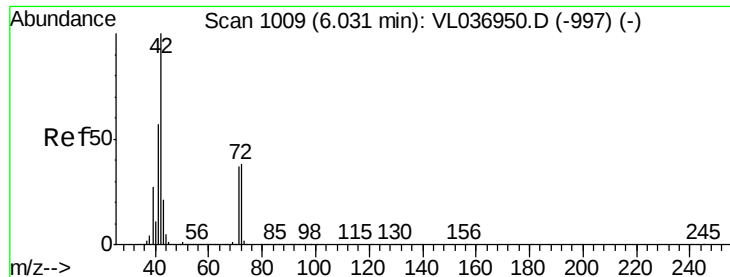


#40
 1,4-Dioxane
 Concen: 9.251 ppbv
 RT: 7.82 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VL036985.D
 Acq: 19 May 2021 9:29

Tgt Ion: 88 Resp: 289880

Ion	Ratio	Lower	Upper
88	100		
58	158.9	0.0	0.0#
43	396.2	0.0	0.0#
57	1816.0	0.0	0.0#





#41

Tetrahydrofuran

Concen: 8.661 ppbv

RT: 6.02 min Scan# 1007

Delta R.T. -0.01 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

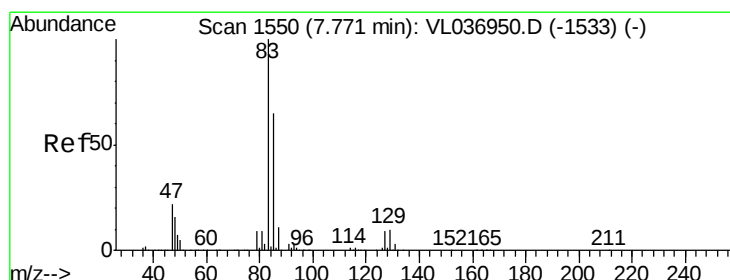
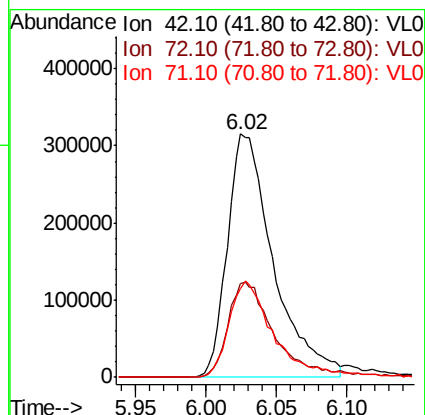
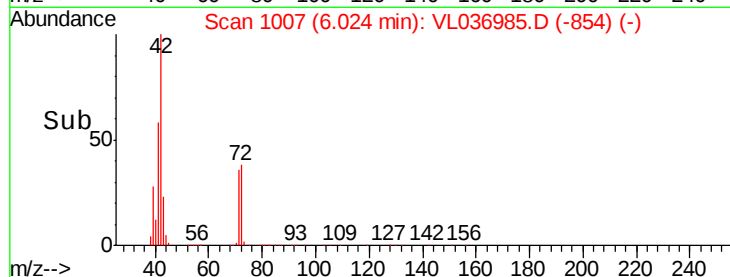
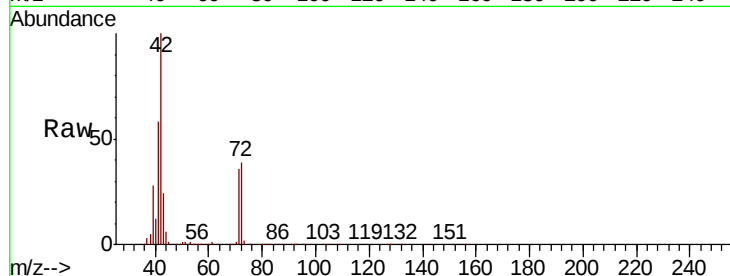
Tot Ion: 42 Resp: 718398

Ion Ratio Lower Upper

42 100

72 40.7 31.4 47.2

71 39.6 30.4 45.6



#42

Bromodichloromethane

Concen: 9.583 ppbv

RT: 7.77 min Scan# 1549

Delta R.T. -0.00 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

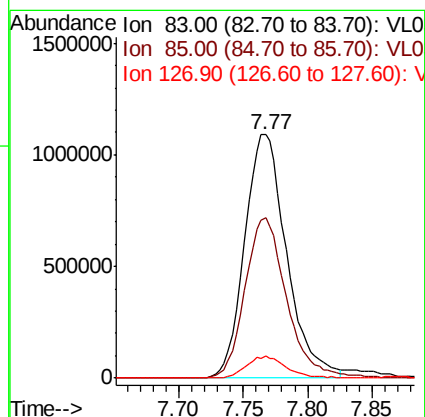
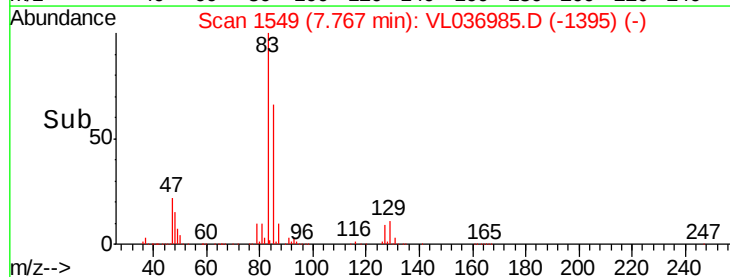
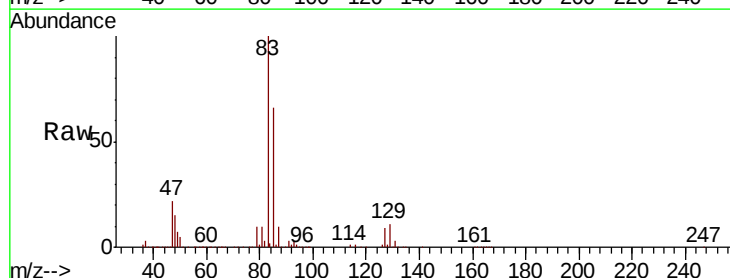
Tgt Ion: 83 Resp: 2476190

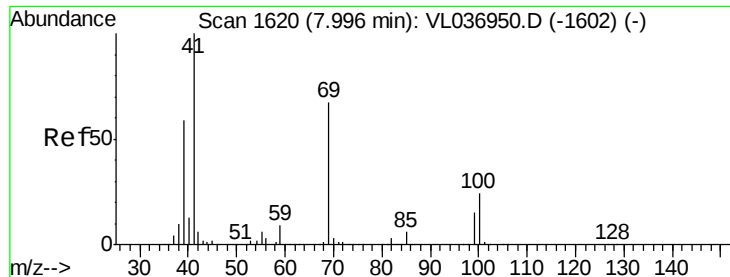
Ion Ratio Lower Upper

83 100

85 66.1 51.7 77.5

127 8.9 6.9 10.3





#43

Methyl Methacrylate

Concen: 9.802 ppbv

RT: 7.99 min Scan# 1619

Delta R.T. -0.00 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

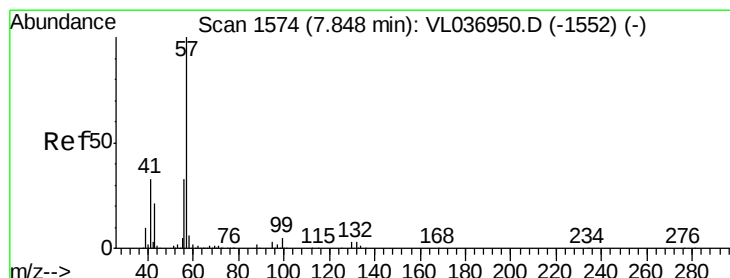
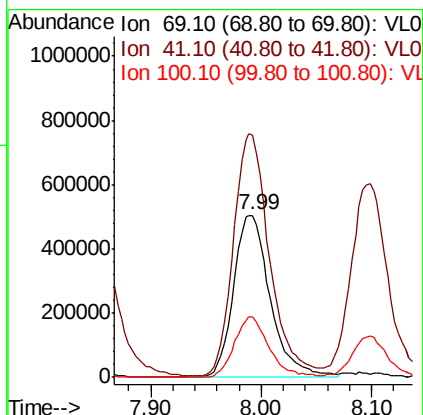
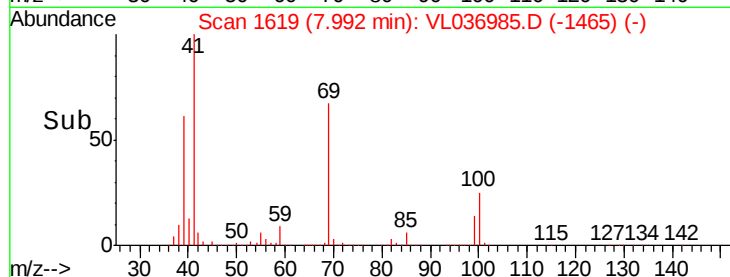
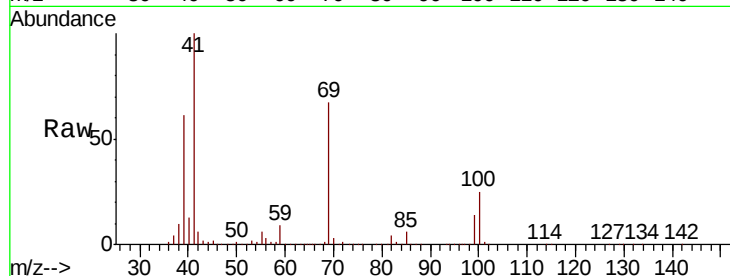
Tot Ion: 69 Resp: 1163934

Ion Ratio Lower Upper

69 100

41 148.7 118.6 178.0

100 35.5 28.2 42.4



#44

2,2,4-Trimethylpentane

Concen: 8.899 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

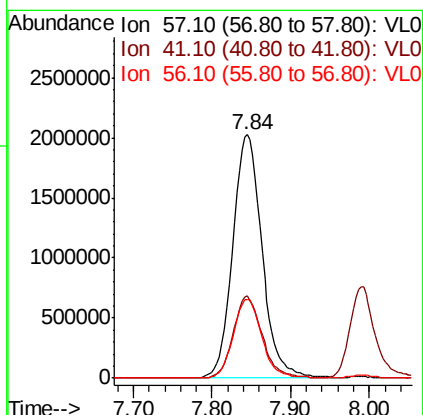
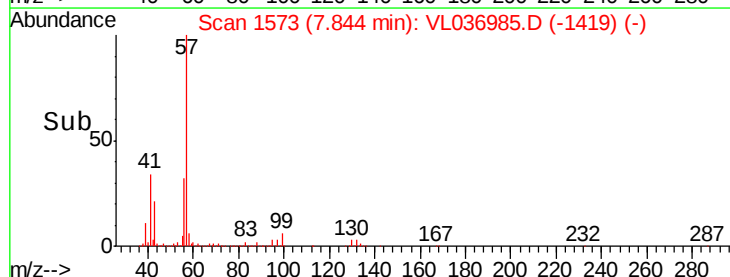
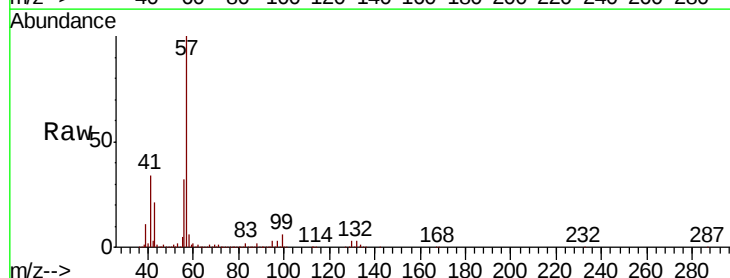
Tgt Ion: 57 Resp: 5259736

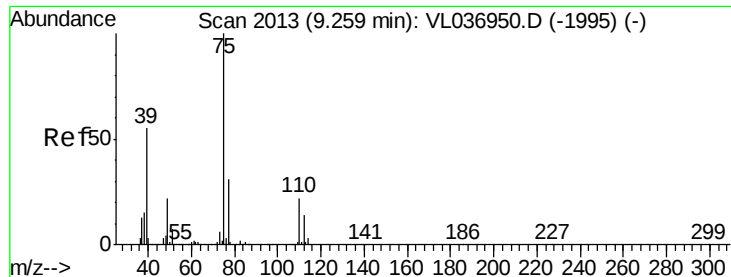
Ion Ratio Lower Upper

57 100

41 33.0 27.0 40.4

56 31.9 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 9.743 ppbv

RT: 9.25 min Scan# 2011

Delta R.T. -0.01 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

Instrument :

MSVOA_L

ClientSampleId :

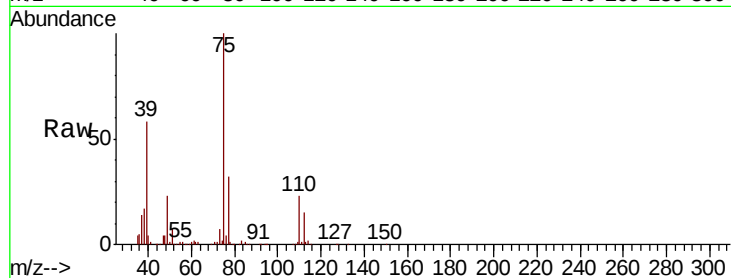
VSTDCCC010

Tot Ion: 75 Resp: 883884

Ion Ratio Lower Upper

75 100

77 32.3 24.4 36.6



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.25

400000

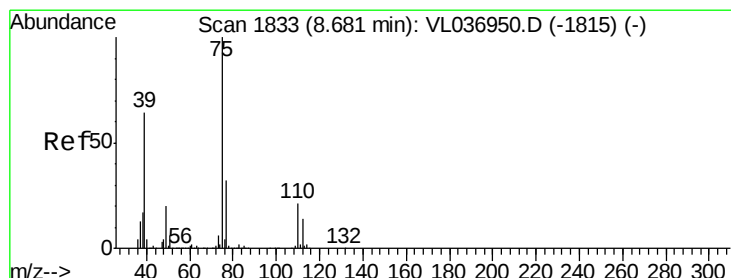
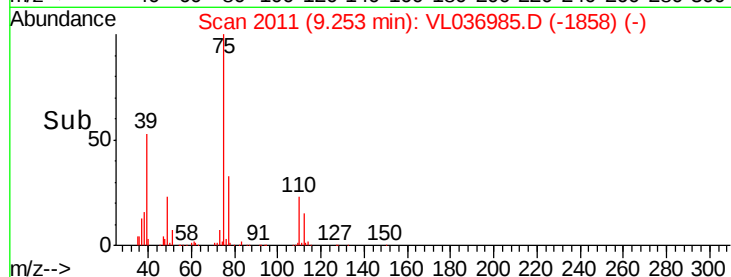
300000

200000

100000

0

Time--> 9.15 9.20 9.25 9.30 9.35



#46

cis-1,3-Dichloropropene

Concen: 9.659 ppbv

RT: 8.67 min Scan# 1831

Delta R.T. -0.01 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

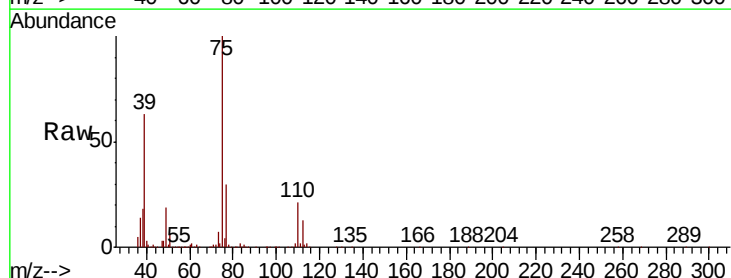
Tgt Ion: 75 Resp: 1178579

Ion Ratio Lower Upper

75 100

39 62.8 51.5 77.3

77 30.0 25.9 38.9



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

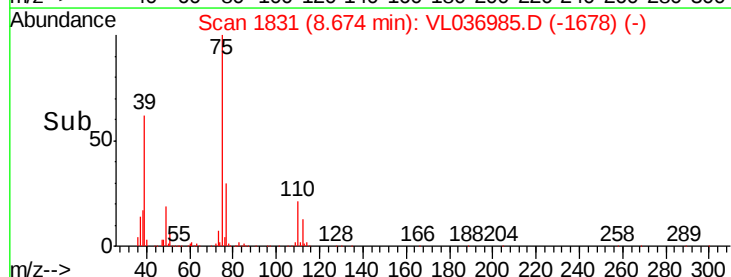
600000

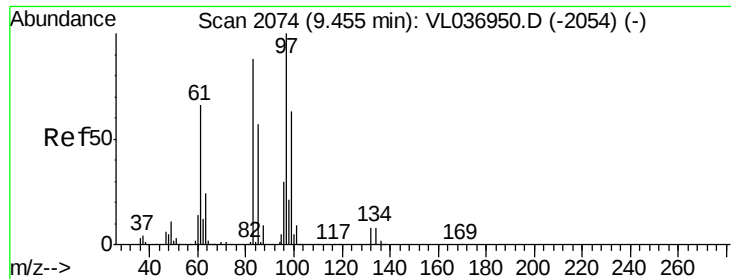
400000

200000

0

Time--> 8.60 8.70 8.80



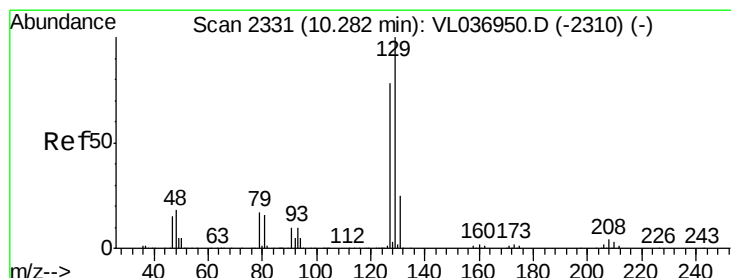
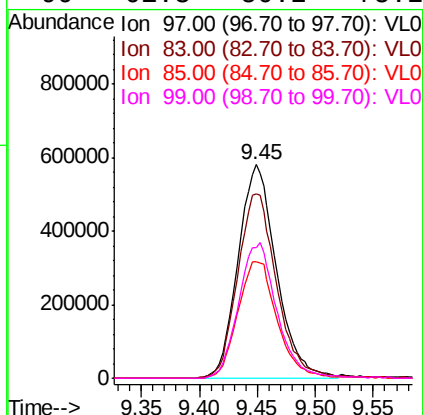
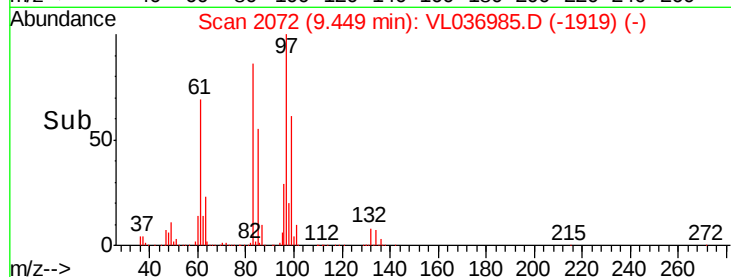
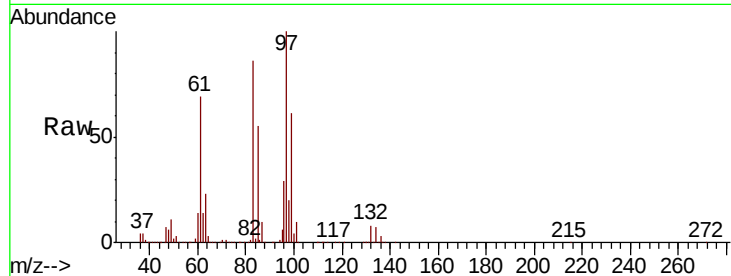


#47
 1,1,2-Trichloroethane
 Concen: 9.599 ppbv
 RT: 9.45 min Scan# 2072
 Delta R.T. -0.01 min
 Lab File: VL036985.D
 Acq: 19 May 2021 9:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 97 Resp: 1333265

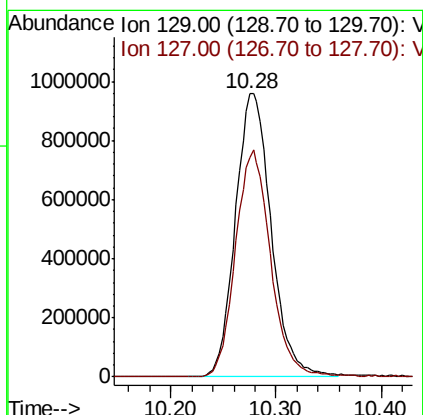
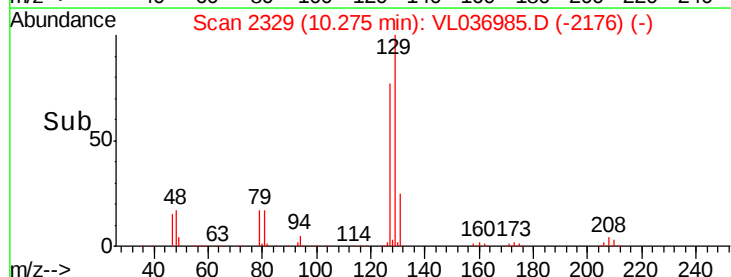
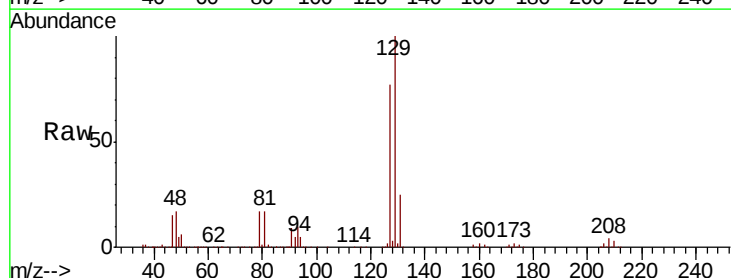
Ion	Ratio	Lower	Upper
97	100		
83	86.3	70.4	105.6
85	54.6	45.5	68.3
99	61.3	50.2	75.2

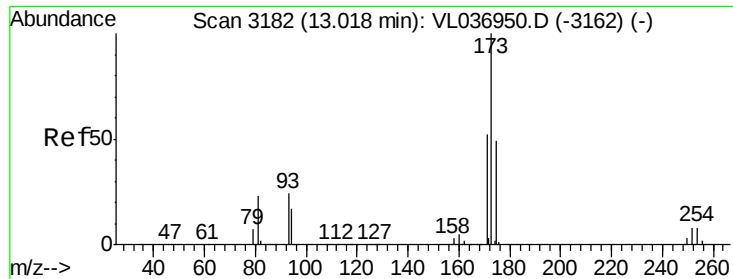


#48
 Dibromochloromethane
 Concen: 10.043 ppbv
 RT: 10.28 min Scan# 2329
 Delta R.T. -0.01 min
 Lab File: VL036985.D
 Acq: 19 May 2021 9:29

Tgt Ion: 129 Resp: 2258741

Ion	Ratio	Lower	Upper
129	100		
127	79.1	39.3	117.8





#49

Bromoform

Concen: 10.167 ppbv

RT: 13.01 min Scan# 3180

Delta R.T. -0.01 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

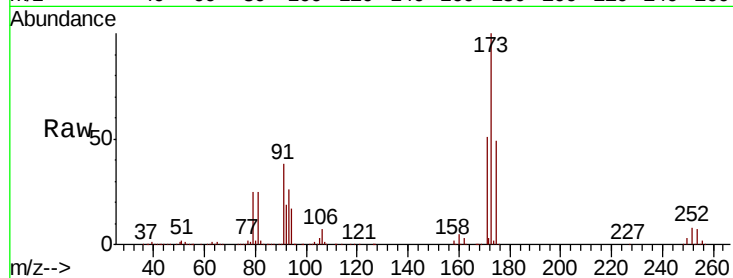
Tot Ion:173 Resp: 1888401

Ion Ratio Lower Upper

173 100

175 50.3 40.4 60.6

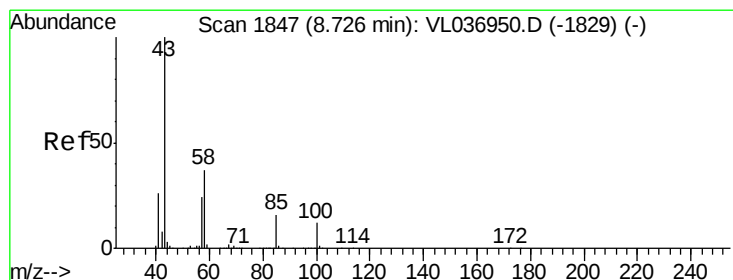
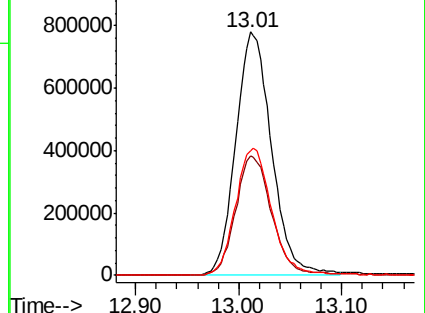
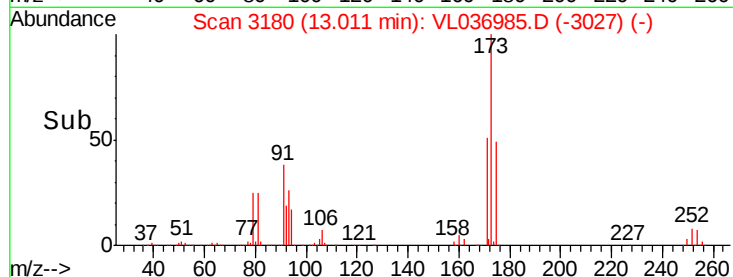
171 52.8 42.6 64.0



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: 9.488 ppbv

RT: 8.72 min Scan# 1845

Delta R.T. -0.01 min

Lab File: VL036985.D

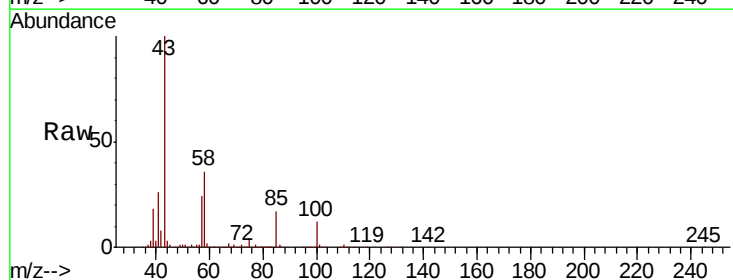
Acq: 19 May 2021 9:29

Tgt Ion: 43 Resp: 2280265

Ion Ratio Lower Upper

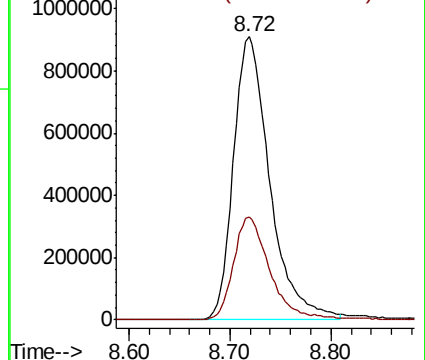
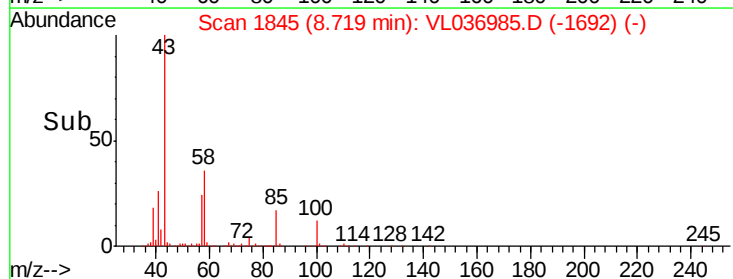
43 100

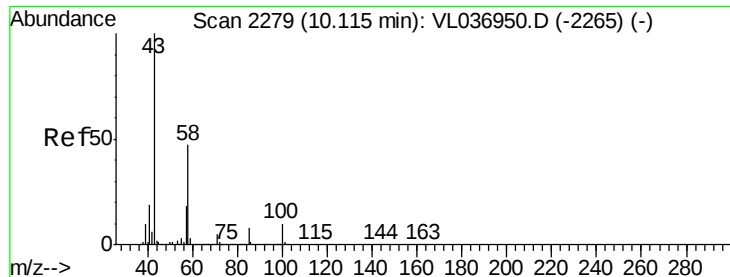
58 36.8 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

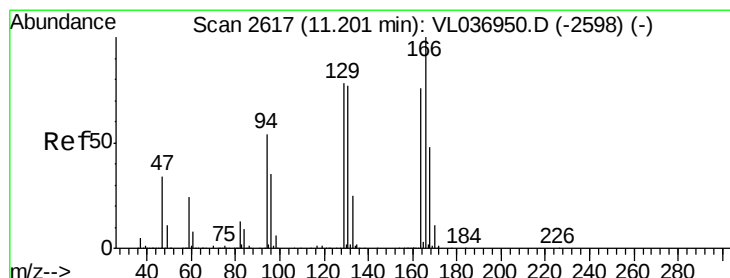
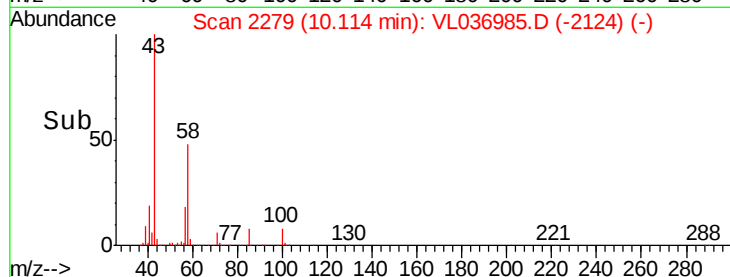
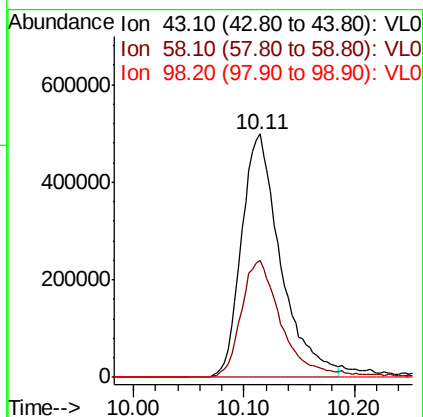
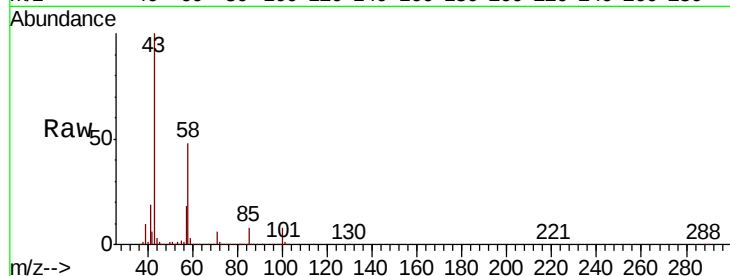




#51
2-Hexanone
Concen: 9.658 ppbv
RT: 10.11 min Scan# 2279
Delta R.T. -0.00 min
Lab File: VL036985.D
Acq: 19 May 2021 9:29

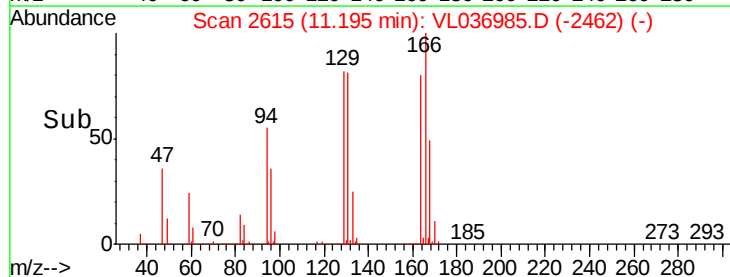
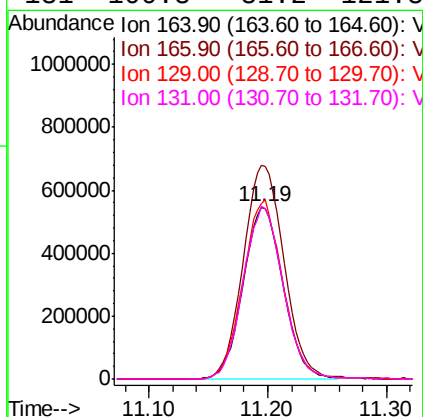
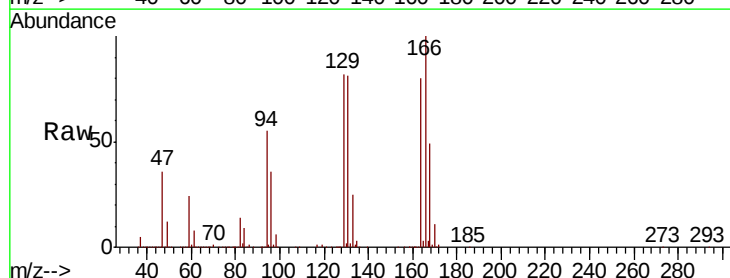
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

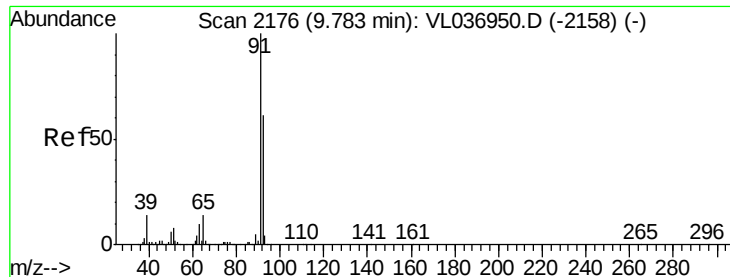
Tot Ion: 43 Resp: 1227019
Ion Ratio Lower Upper
43 100
58 51.3 41.1 61.7
98 0.2 0.1 0.1#



#52
Tetrachloroethene
Concen: 9.260 ppbv
RT: 11.19 min Scan# 2615
Delta R.T. -0.01 min
Lab File: VL036985.D
Acq: 19 May 2021 9:29

Tgt Ion: 164 Resp: 1268524
Ion Ratio Lower Upper
164 100
166 124.5 105.5 158.3
129 102.1 81.8 122.8
131 100.8 81.2 121.8





#53

Toluene

Concen: 9.238 ppbv

RT: 9.78 min Scan# 2175

Delta R.T. -0.00 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

Instrument :

MSVOA_L

ClientSampleId :

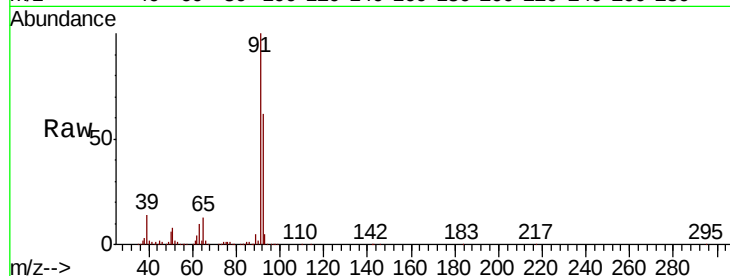
VSTDCCC010

Tot Ion: 91 Resp: 3786968

Ion Ratio Lower Upper

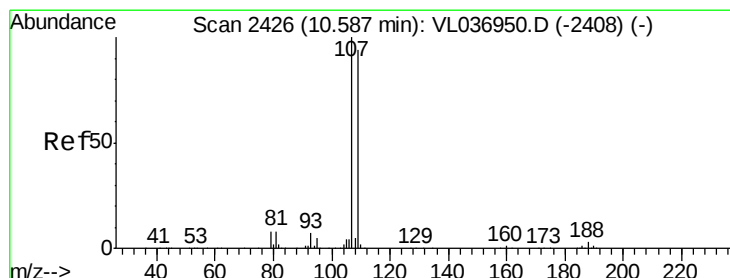
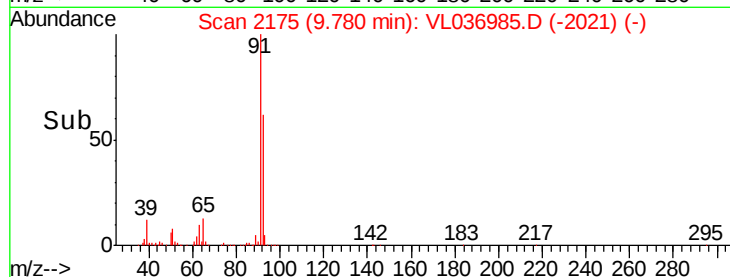
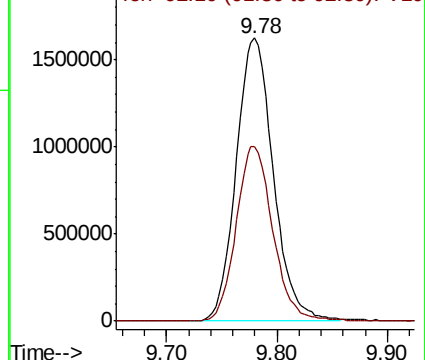
91 100

92 61.6 49.5 74.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 9.903 ppbv

RT: 10.58 min Scan# 2425

Delta R.T. -0.00 min

Lab File: VL036985.D

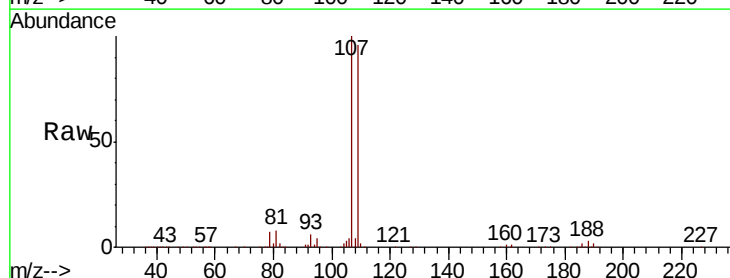
Acq: 19 May 2021 9:29

Tgt Ion: 107 Resp: 1955720

Ion Ratio Lower Upper

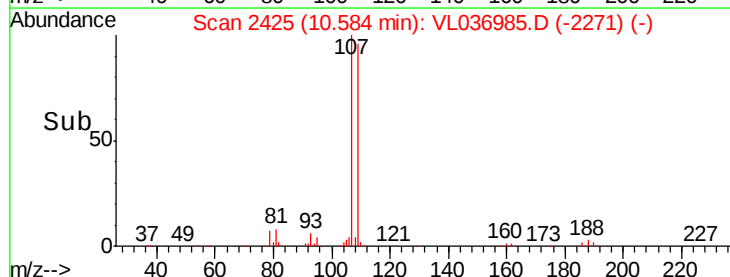
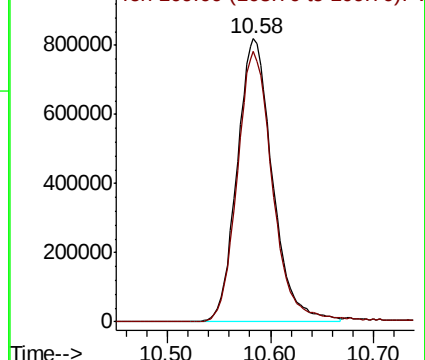
107 100

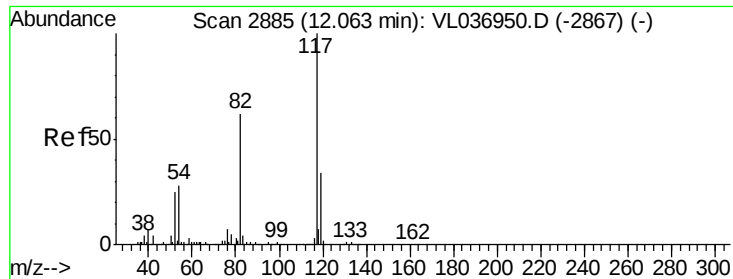
109 95.8 75.0 112.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

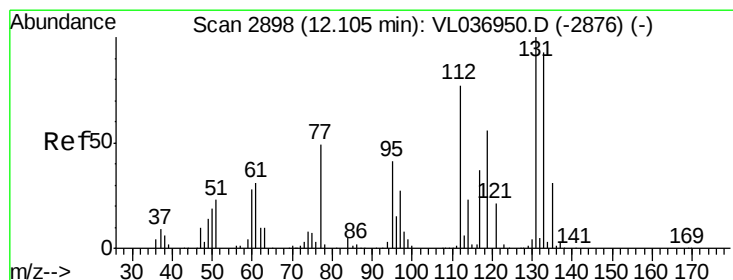
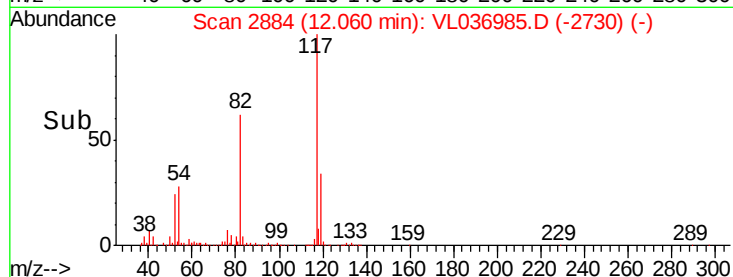
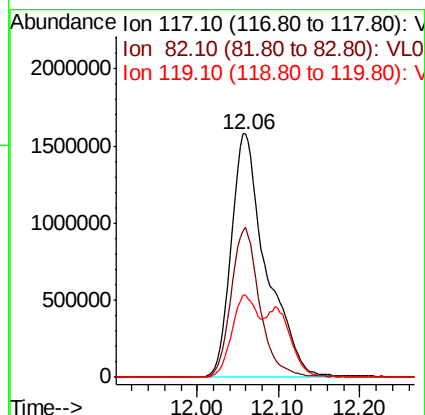
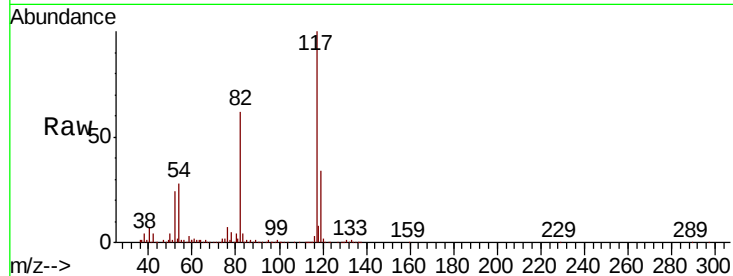




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2884
Delta R.T. -0.00 min
Lab File: VL036985.D
Acq: 19 May 2021 9:29

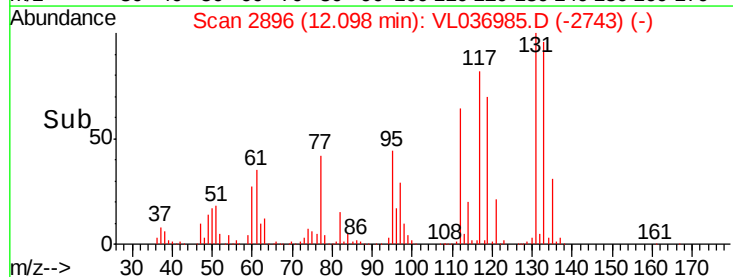
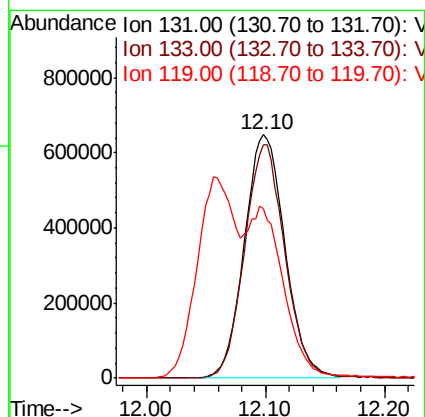
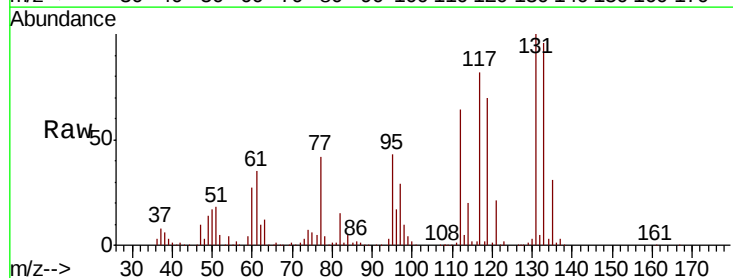
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

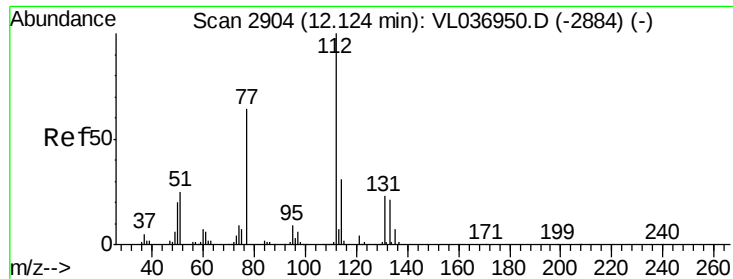
Tot Ion:117 Resp: 4745821
Ion Ratio Lower Upper
117 100
82 50.6 52.6 79.0#
119 46.6 46.6 70.0



#56
1,1,1,2-Tetrachloroethane
Concen: 7.669 ppbv
RT: 12.10 min Scan# 2896
Delta R.T. -0.01 min
Lab File: VL036985.D
Acq: 19 May 2021 9:29

Tgt Ion:131 Resp: 1531361
Ion Ratio Lower Upper
131 100
133 95.7 76.9 115.3
119 144.3 120.2 180.4

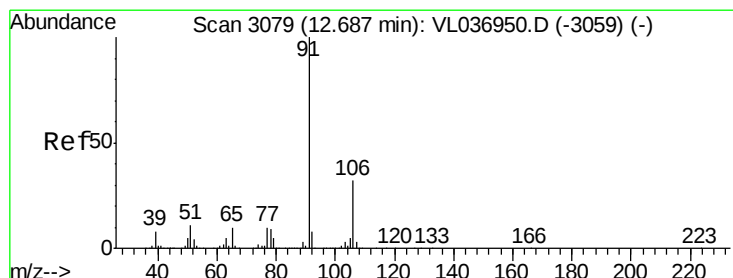
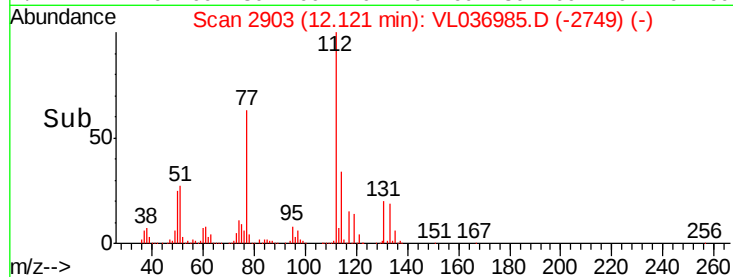
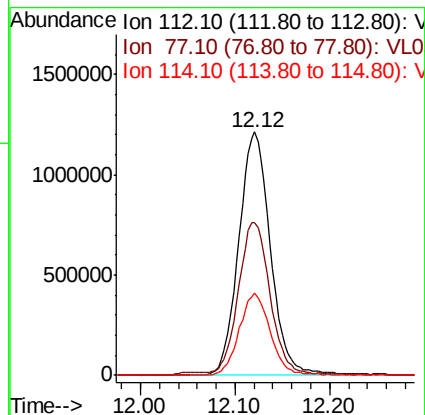
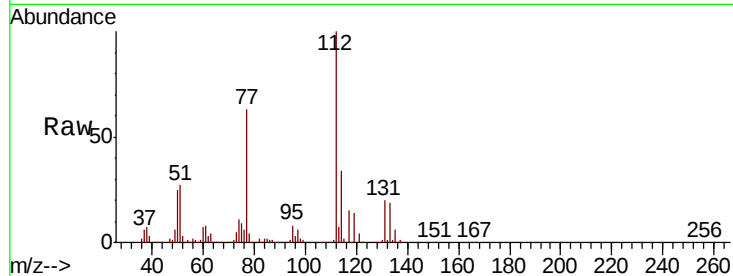




#57
Chlorobenzene
Concen: 7.671 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. -0.00 min
Lab File: VL036985.D
Acq: 19 May 2021 9:29

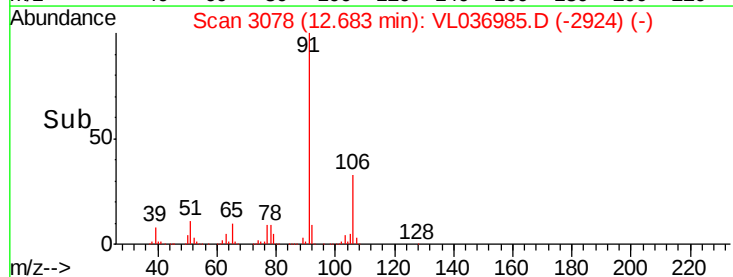
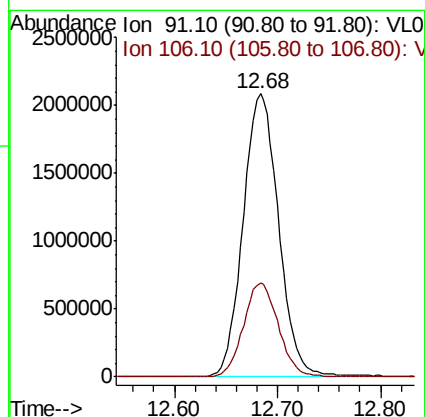
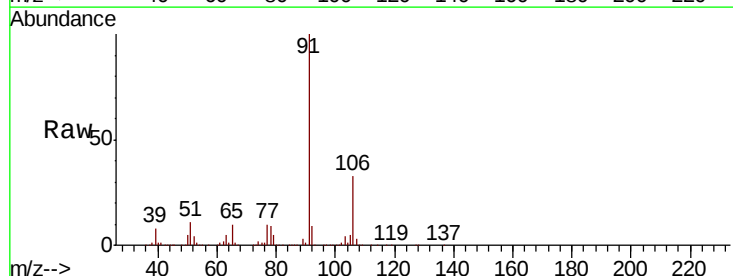
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

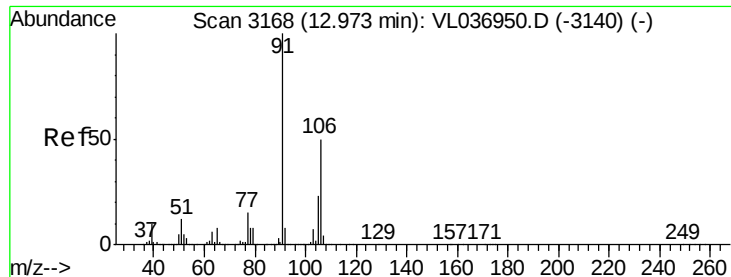
Tot Ion:112 Resp: 2822674
Ion Ratio Lower Upper
112 100
77 62.3 51.0 76.6
114 33.6 28.3 34.5



#58
Ethyl Benzene
Concen: 7.444 ppbv
RT: 12.68 min Scan# 3078
Delta R.T. -0.00 min
Lab File: VL036985.D
Acq: 19 May 2021 9:29

Tgt Ion: 91 Resp: 4985910
Ion Ratio Lower Upper
91 100
106 33.0 25.6 38.4

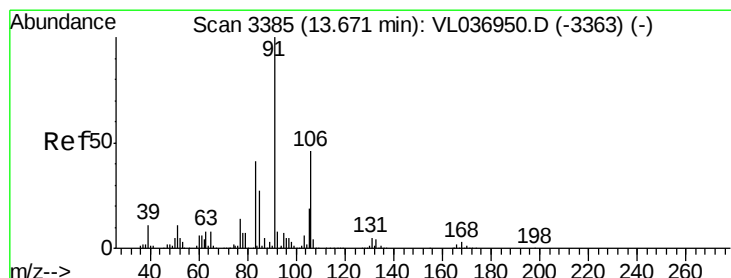
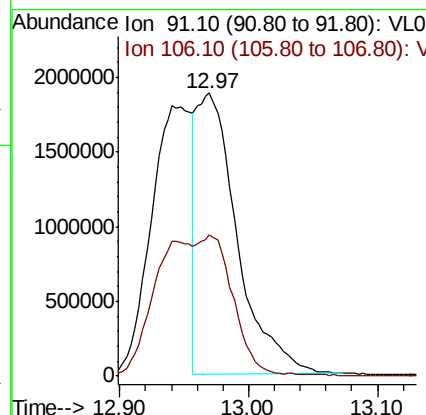
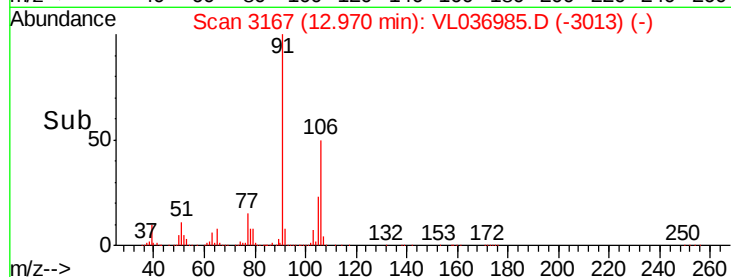
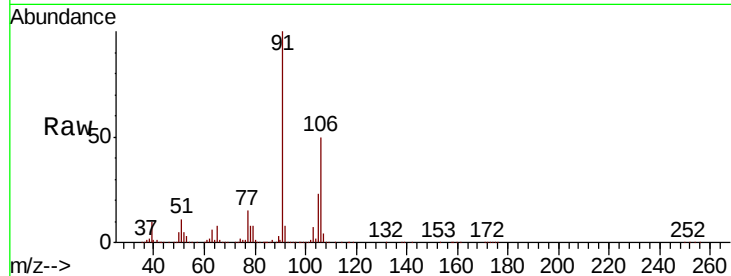




#59
m/p-Xylene
Concen: 7.445 ppbv
RT: 12.97 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VL036985.D
Acq: 19 May 2021 9:29

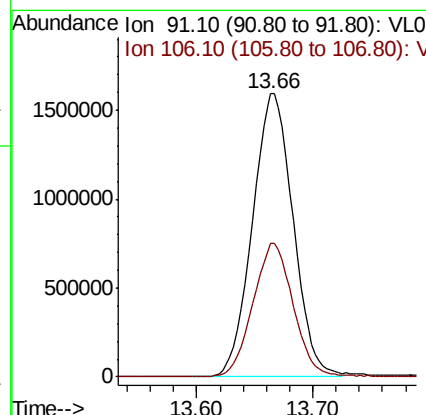
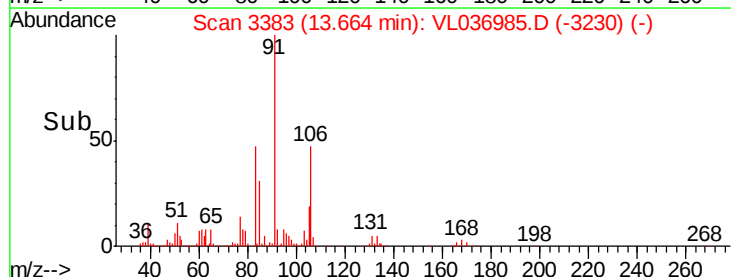
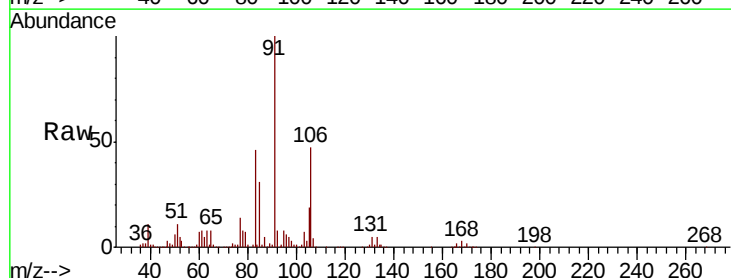
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

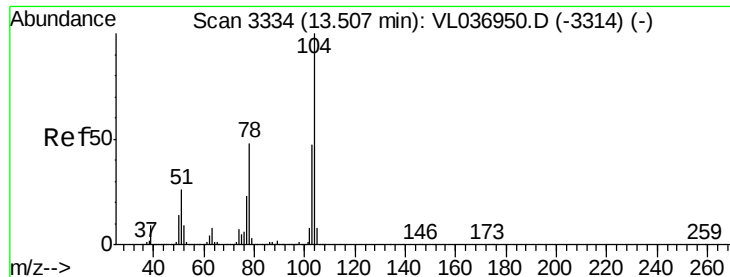
Tot Ion: 91 Resp: 4121943
Ion Ratio Lower Upper
91 100
106 93.0 37.4 56.2#



#60
o-Xylene
Concen: 7.351 ppbv
RT: 13.66 min Scan# 3383
Delta R.T. -0.01 min
Lab File: VL036985.D
Acq: 19 May 2021 9:29

Tgt Ion: 91 Resp: 3881835
Ion Ratio Lower Upper
91 100
106 46.9 23.4 70.3





#61

Stvrene

Concen: 8.024 ppbv

RT: 13.50 min Scan# 3333

Delta R.T. -0.00 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

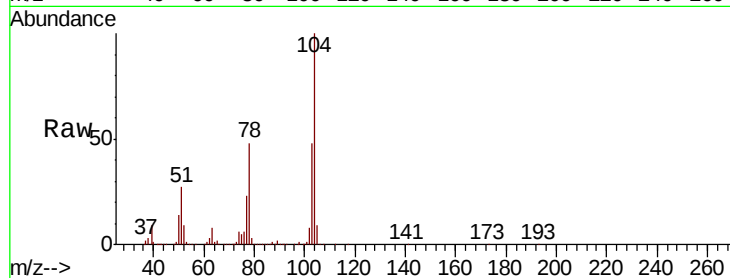
Tot Ion:104 Resp: 2387226

Ion Ratio Lower Upper

104 100

78 48.7 39.0 58.6

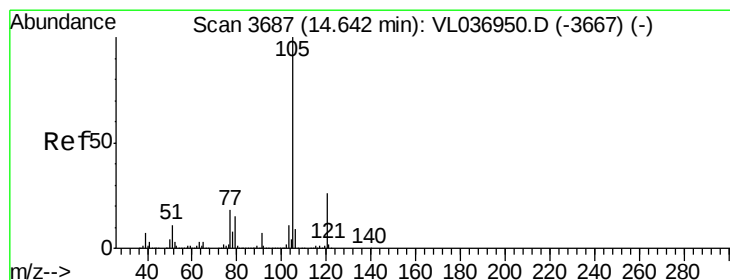
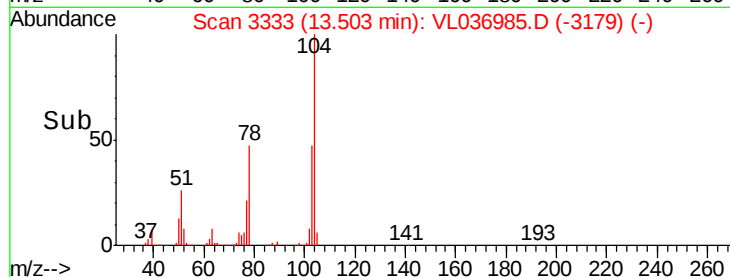
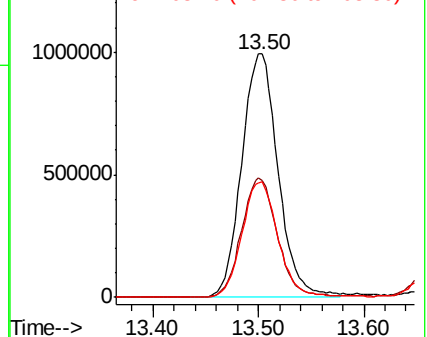
103 47.4 38.0 57.0



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: 7.304 ppbv

RT: 14.64 min Scan# 3687

Delta R.T. -0.00 min

Lab File: VL036985.D

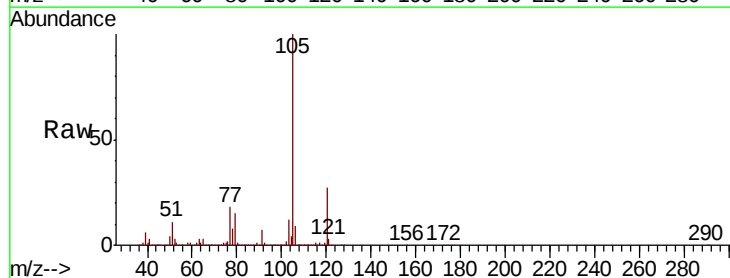
Acq: 19 May 2021 9:29

Tgt Ion:105 Resp: 5543437

Ion Ratio Lower Upper

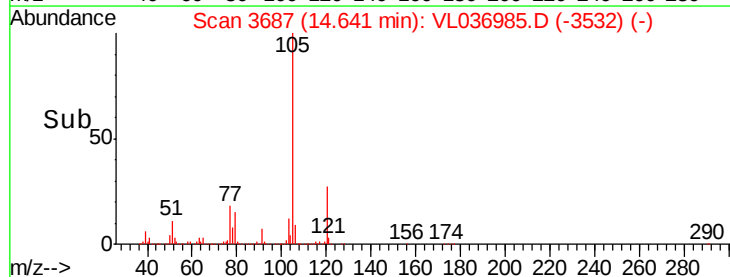
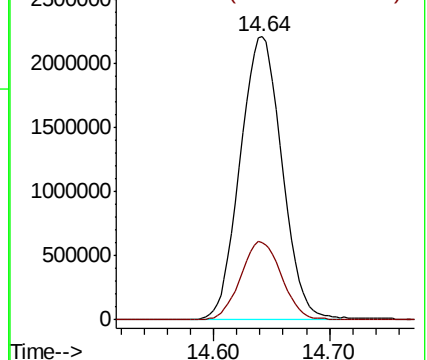
105 100

120 27.4 21.7 32.5



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: 6.856 ppbv

RT: 13.65 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

Instrument :

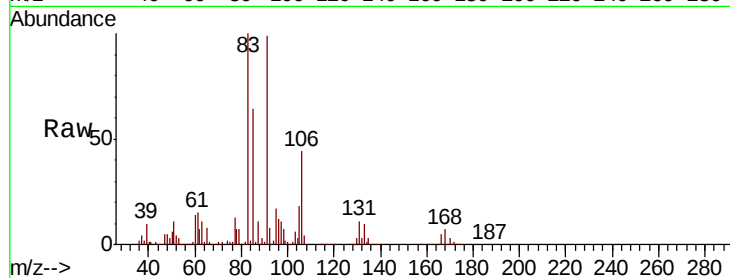
MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 83 Resp: 2703816

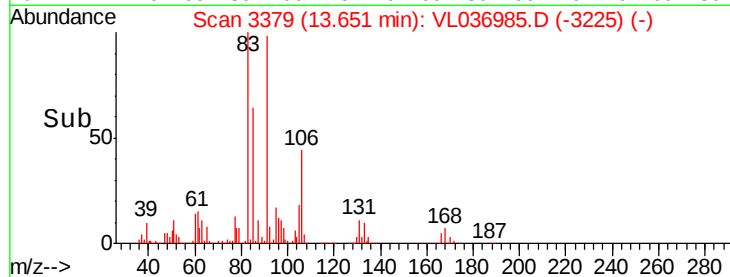
Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.0	15.0
85	65.8	32.9	98.6



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: 7.838 ppbv

RT: 15.54 min Scan# 3965

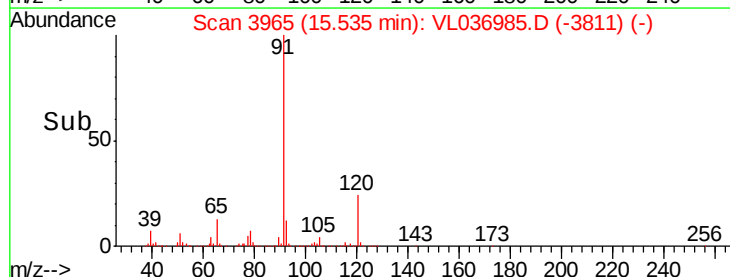
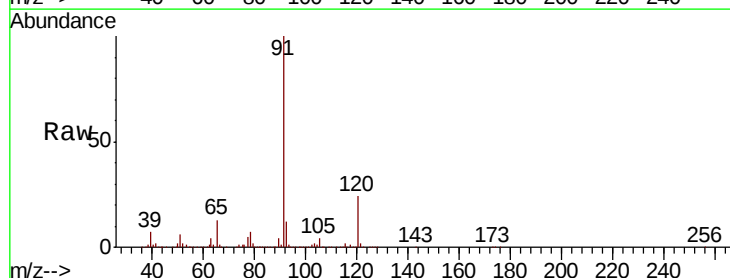
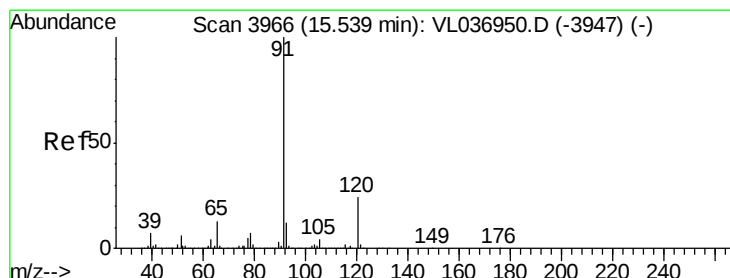
Delta R.T. -0.00 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

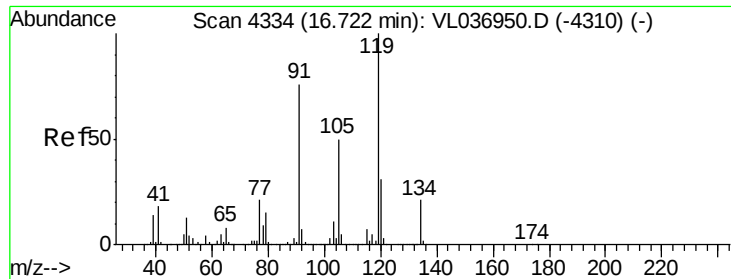
Tgt Ion: 120 Resp: 1534737

Ion	Ratio	Lower	Upper
120	100		
91	428.3	343.8	515.6



Abundance Ion 120.20 (119.90 to 120.90): VL0

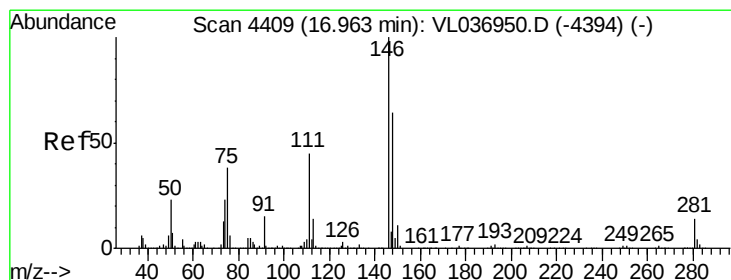
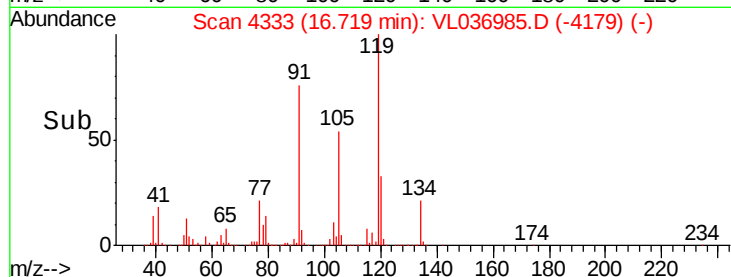
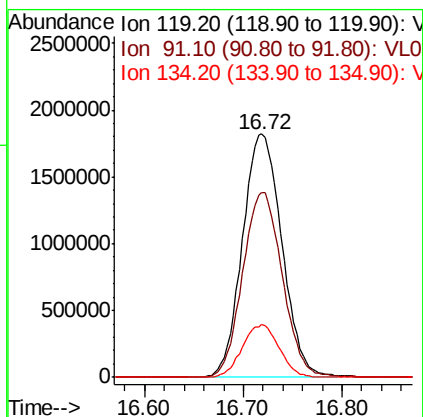
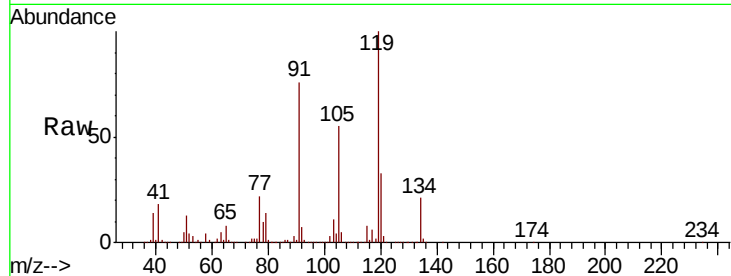
Ion 91.10 (90.80 to 91.80): VL0



#65
tert-Butylbenzene
Concen: 7.355 ppbv
RT: 16.72 min Scan# 4333
Delta R.T. -0.00 min
Lab File: VL036985.D
Acq: 19 May 2021 9:29

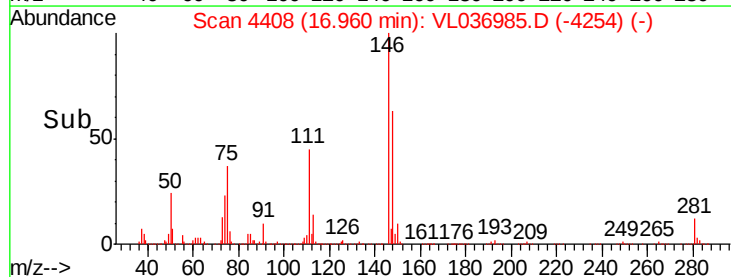
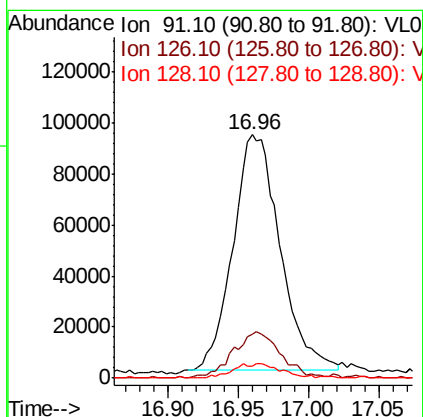
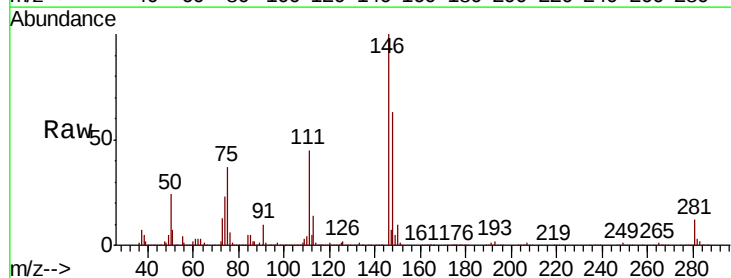
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

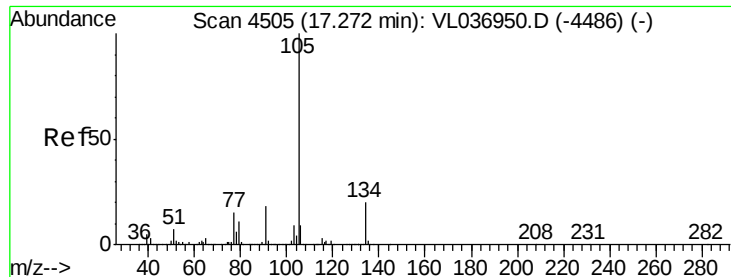
Tot Ion:119 Resp: 5036819
Ion Ratio Lower Upper
119 100
91 76.5 61.9 92.9
134 20.4 16.2 24.4



#66
Benzyl Chloride
Concen: 5.664 ppbv
RT: 16.96 min Scan# 4408
Delta R.T. -0.00 min
Lab File: VL036985.D
Acq: 19 May 2021 9:29

Tgt Ion: 91 Resp: 215189
Ion Ratio Lower Upper
91 100
126 20.9 16.5 24.7
128 6.9 5.5 8.3





#67

sec-Butylbenzene

Concen: 7.366 ppbv

RT: 17.27 min Scan# 4503

Delta R.T. -0.01 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

Instrument :

MSVOA_L

ClientSampleId :

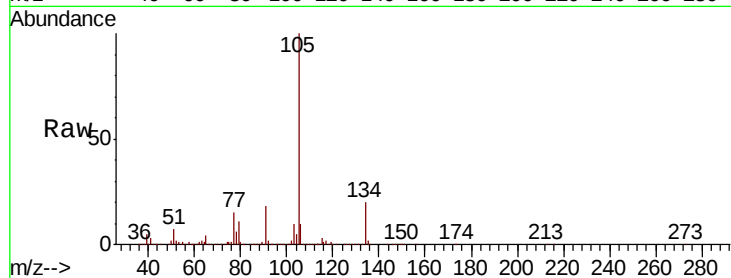
VSTDCCC010

Tot Ion:105 Resp: 6881590

Ion Ratio Lower Upper

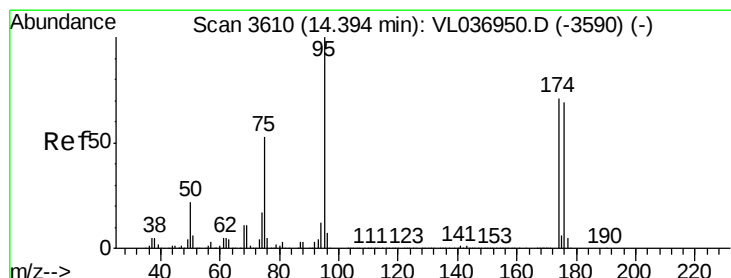
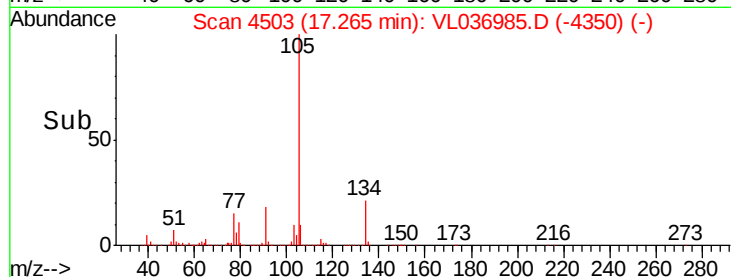
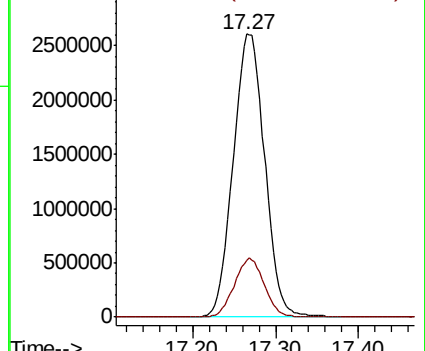
105 100

134 19.9 15.6 23.4



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: 8.215 ppbv

RT: 14.39 min Scan# 3608

Delta R.T. -0.01 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

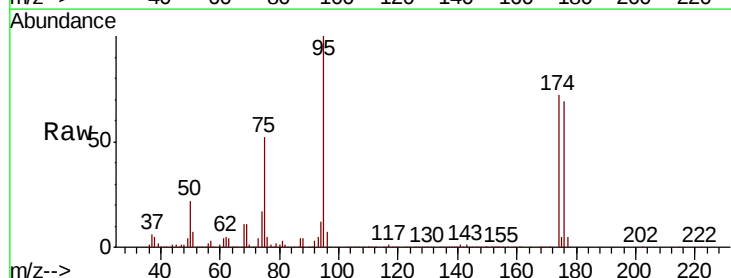
Tgt Ion: 95 Resp: 2928910

Ion Ratio Lower Upper

95 100

174 73.7 58.4 87.6

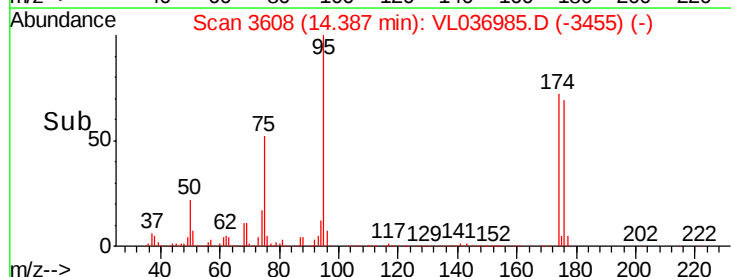
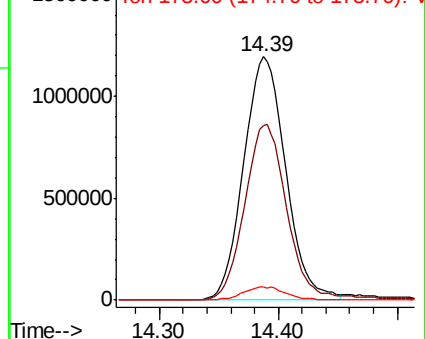
175 5.7 4.4 6.6

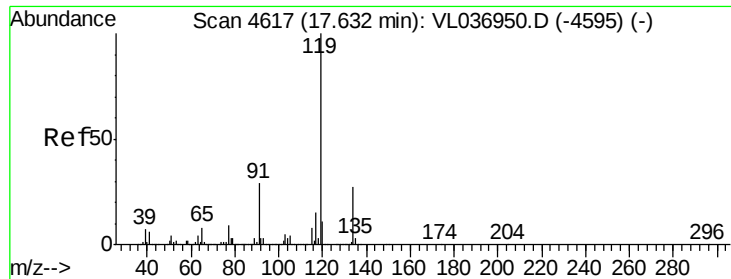


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

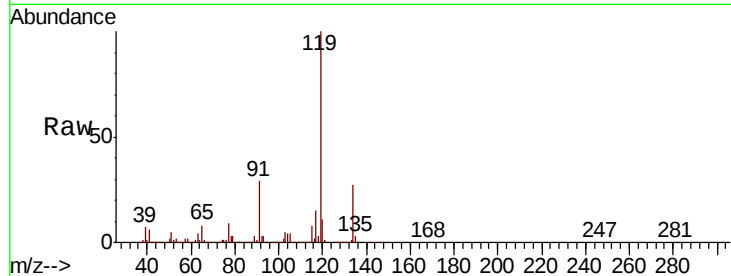




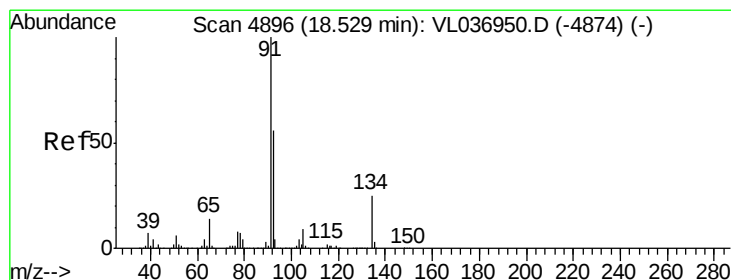
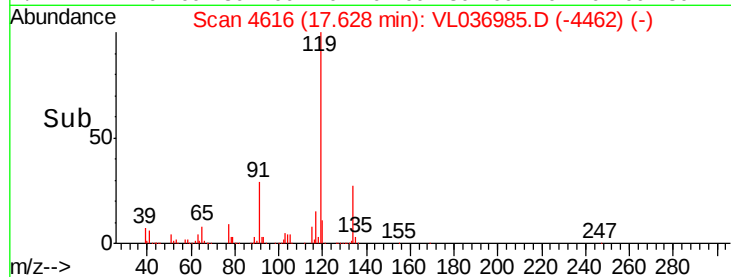
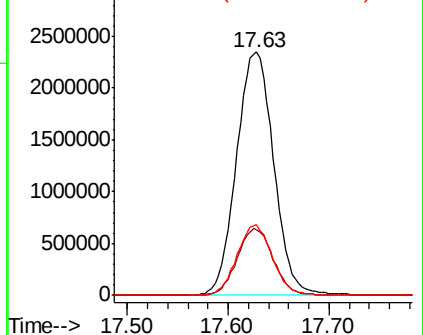
#69
 p-Isopropyltoluene
 Concen: 7.481 ppbv
 RT: 17.63 min Scan# 4616
 Delta R.T. -0.00 min
 Lab File: VL036985.D
 Acq: 19 May 2021 9:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:119 Resp: 6009126
 Ion Ratio Lower Upper
 119 100
 134 26.6 21.2 31.8
 91 27.7 22.2 33.4

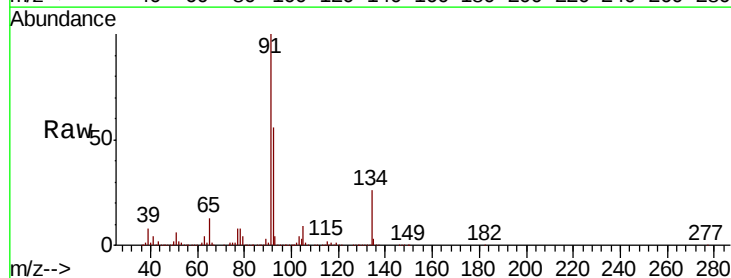


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

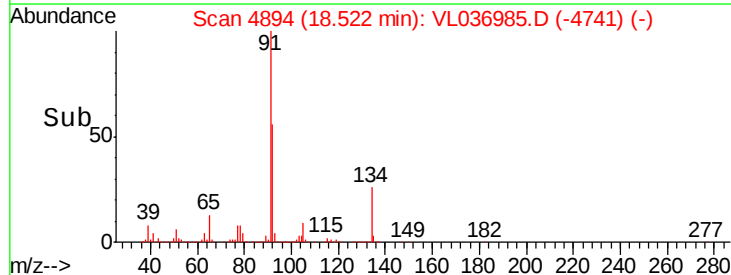
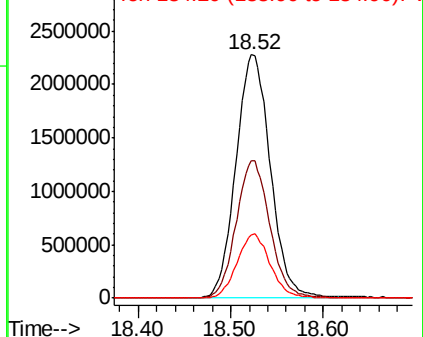


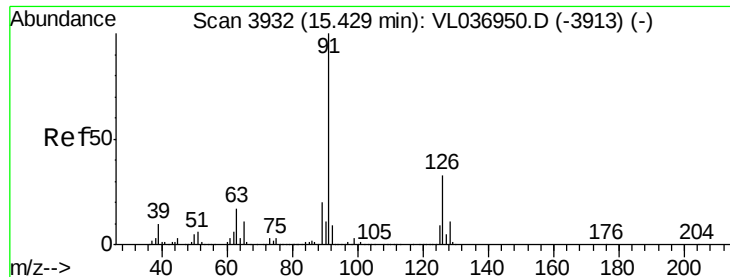
#70
 n-Butylbenzene
 Concen: 7.709 ppbv
 RT: 18.52 min Scan# 4894
 Delta R.T. -0.01 min
 Lab File: VL036985.D
 Acq: 19 May 2021 9:29

Tgt Ion: 91 Resp: 5882234
 Ion Ratio Lower Upper
 91 100
 92 55.6 44.6 66.8
 134 25.5 20.2 30.2



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

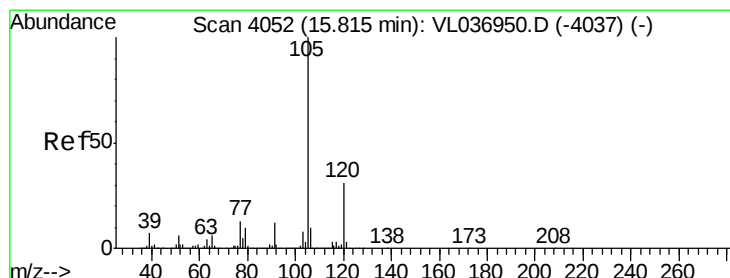
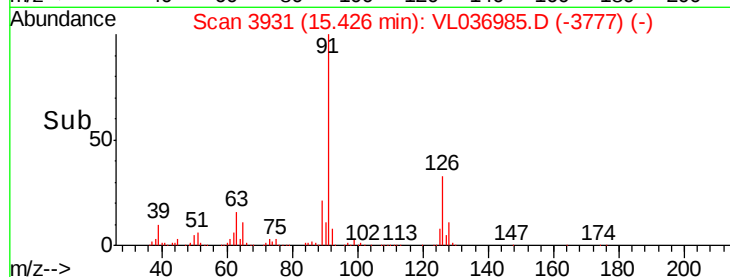
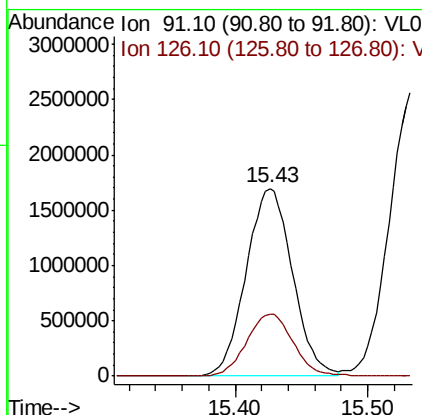
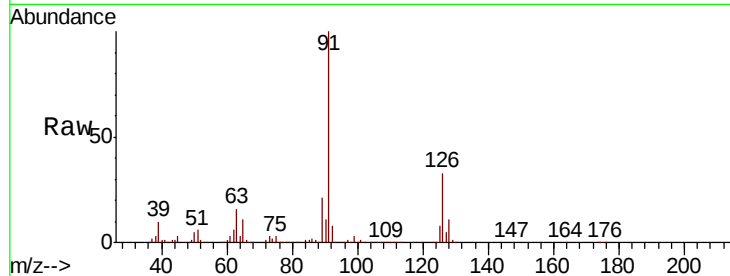




#71
 2-Chlorotoluene
 Concen: 7.521 ppbv
 RT: 15.43 min Scan# 3931
 Delta R.T. -0.00 min
 Lab File: VL036985.D
 Acq: 19 May 2021 9:29

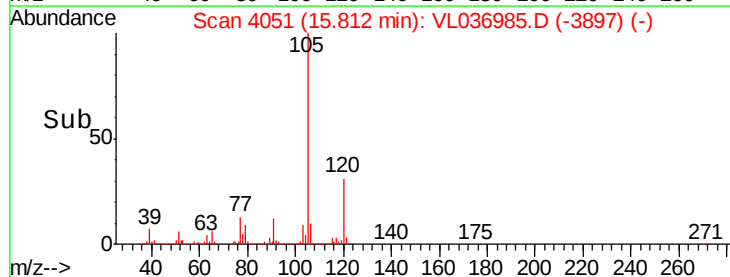
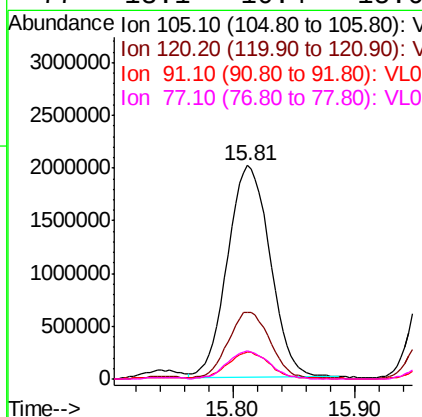
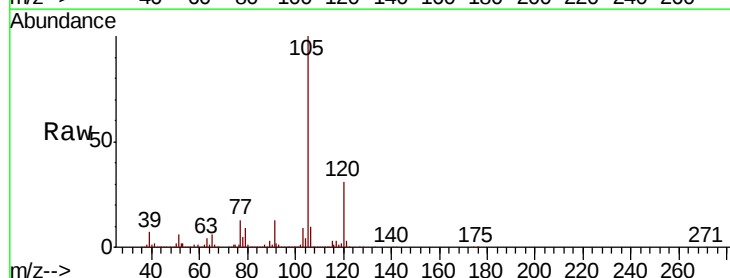
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

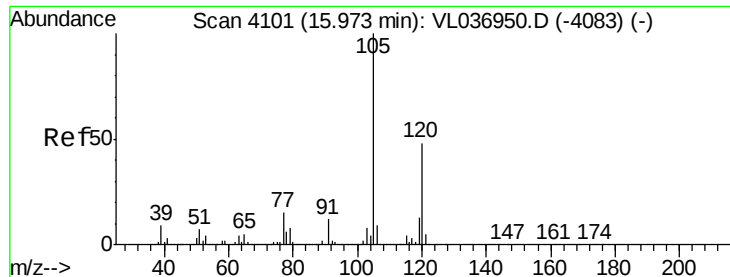
Tot Ion: 91 Resp: 4122295
 Ion Ratio Lower Upper
 91 100
 126 33.9 13.1 52.5



#72
 4-Ethyltoluene
 Concen: 7.798 ppbv
 RT: 15.81 min Scan# 4051
 Delta R.T. -0.00 min
 Lab File: VL036985.D
 Acq: 19 May 2021 9:29

Tgt Ion: 105 Resp: 4887554
 Ion Ratio Lower Upper
 105 100
 120 31.5 24.6 37.0
 91 12.0 9.8 14.6
 77 13.1 10.4 15.6





#73

1,3,5-Trimethylbenzene

Concen: 7.487 ppbv

RT: 15.97 min Scan# 4101

Delta R.T. -0.00 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

Instrument :

MSVOA_L

ClientSampleId :

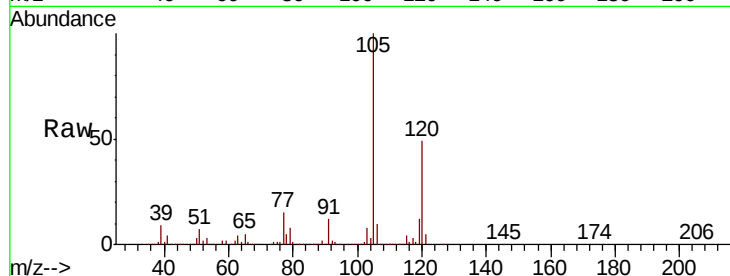
VSTDCCC010

Tot Ion:105 Resp: 4406513

Ion Ratio Lower Upper

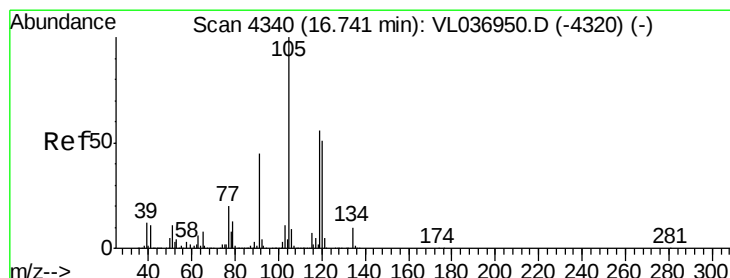
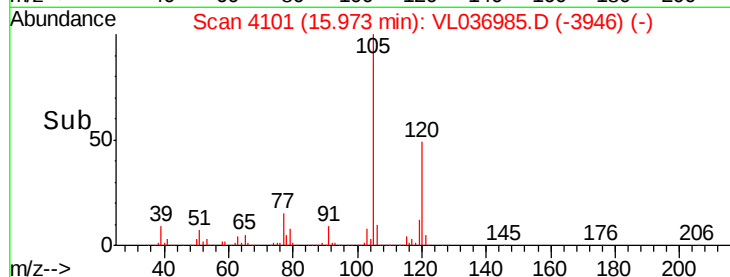
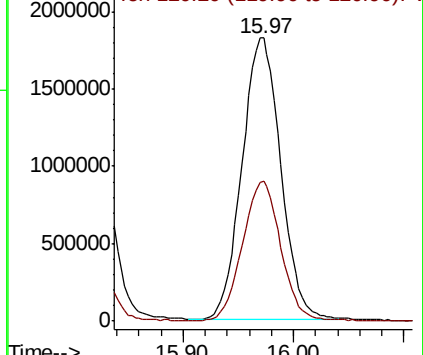
105 100

120 49.6 38.6 58.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 7.536 ppbv

RT: 16.74 min Scan# 4339

Delta R.T. -0.00 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

Tgt Ion:105 Resp: 4585807

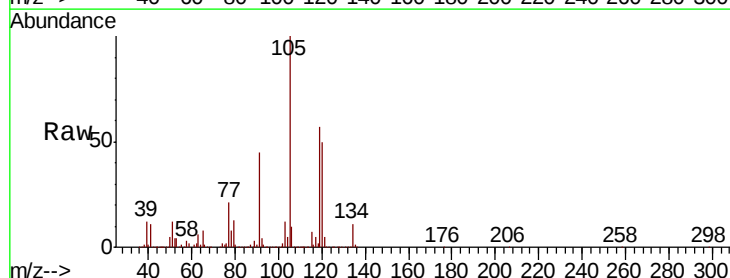
Ion Ratio Lower Upper

105 100

120 49.6 40.6 61.0

91 44.4 37.4 56.0

77 20.5 16.2 24.4

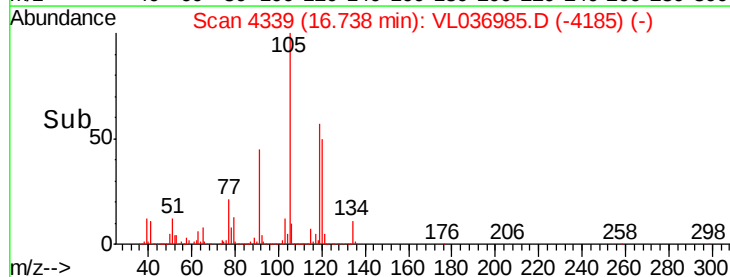
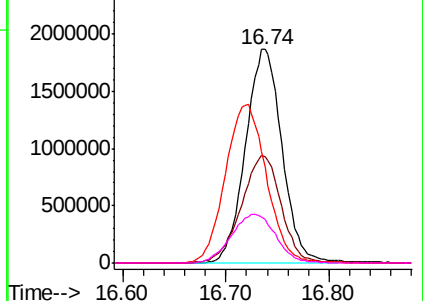


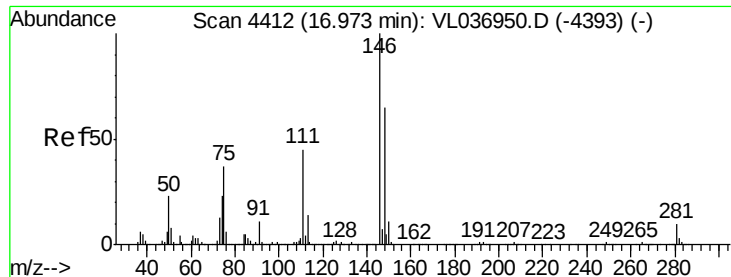
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 7.792 ppbv

RT: 16.97 min Scan# 4411

Delta R.T. -0.00 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

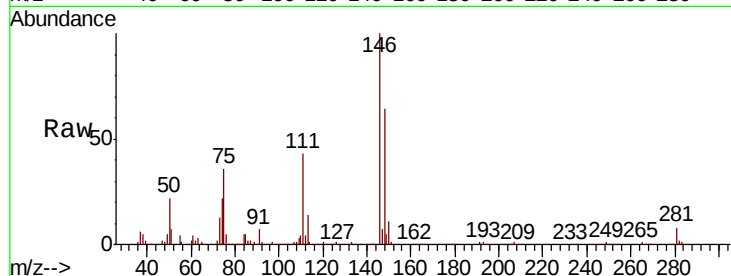
Tot Ion:146 Resp: 2895643

Ion Ratio Lower Upper

146 100

111 44.0 22.2 66.6

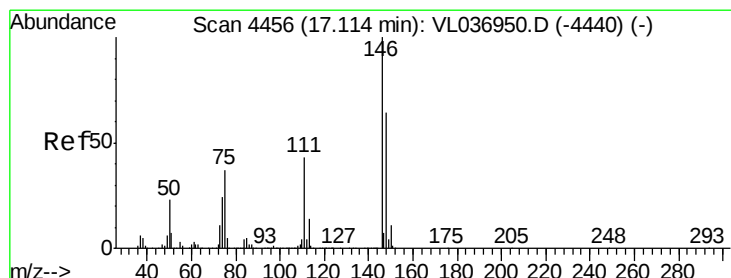
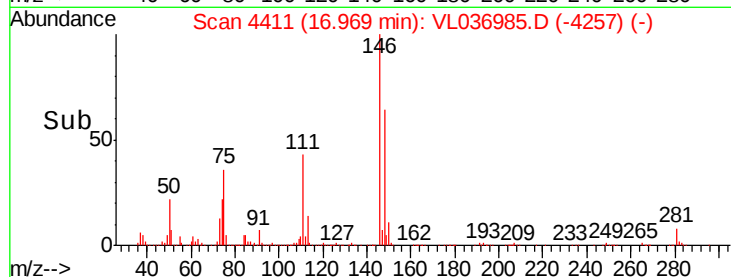
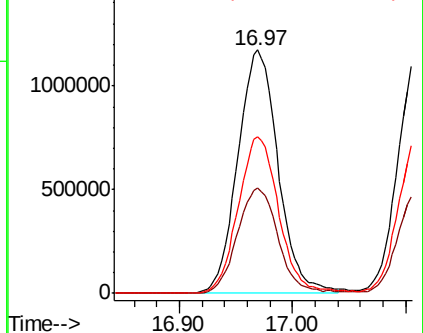
148 65.0 32.3 96.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 7.570 ppbv

RT: 17.11 min Scan# 4455

Delta R.T. -0.00 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

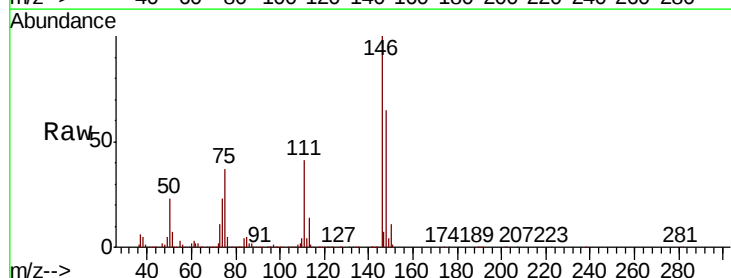
Tgt Ion:146 Resp: 2844085

Ion Ratio Lower Upper

146 100

111 43.8 22.6 67.7

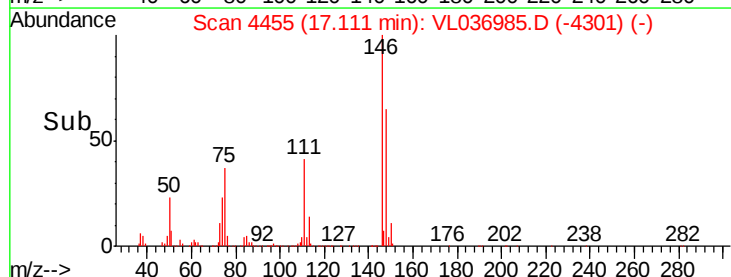
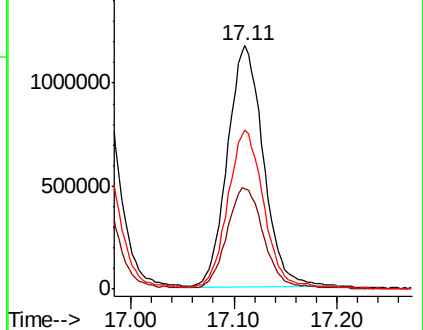
148 66.5 33.5 100.5

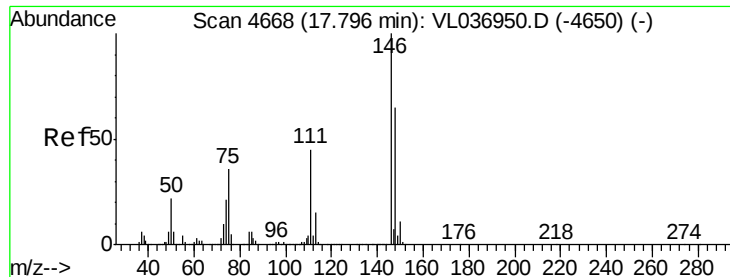


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.595 ppbv

RT: 17.79 min Scan# 4666

Delta R.T. -0.01 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

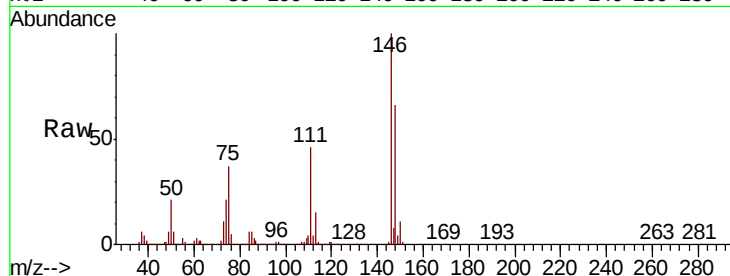
Tot Ion:146 Resp: 2827874

Ion Ratio Lower Upper

146 100

111 46.0 23.1 69.2

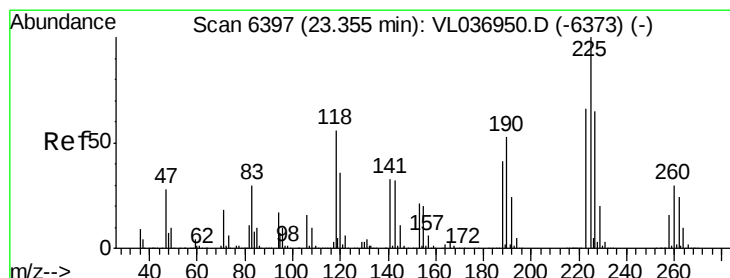
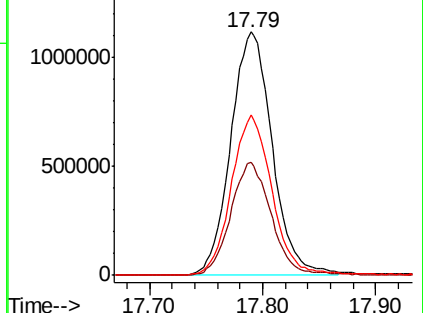
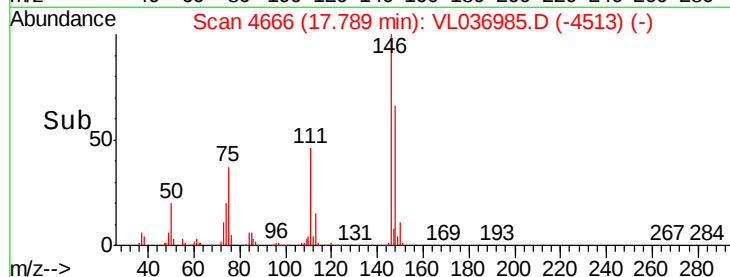
148 64.9 32.5 97.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 6.876 ppbv

RT: 23.35 min Scan# 6395

Delta R.T. -0.01 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

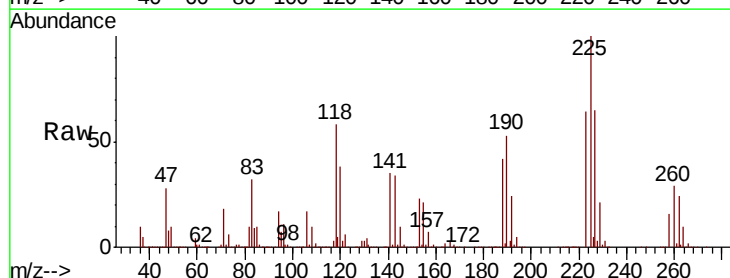
Tgt Ion:225 Resp: 2058630

Ion Ratio Lower Upper

225 100

223 64.5 51.9 77.9

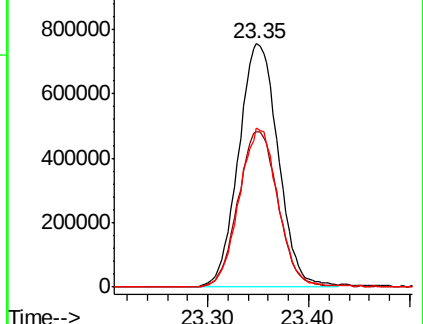
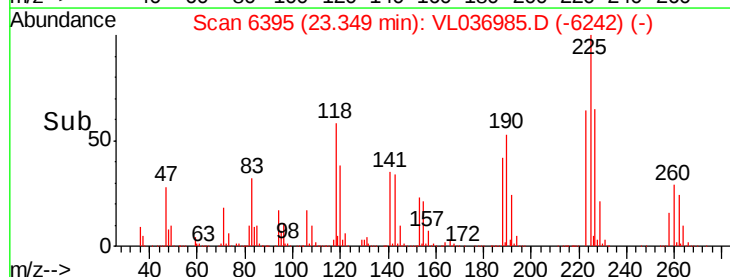
227 64.5 51.8 77.6

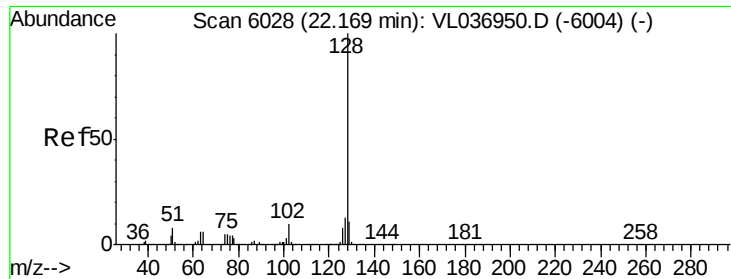


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 9.090 ppbv

RT: 22.16 min Scan# 6026

Delta R.T. -0.01 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

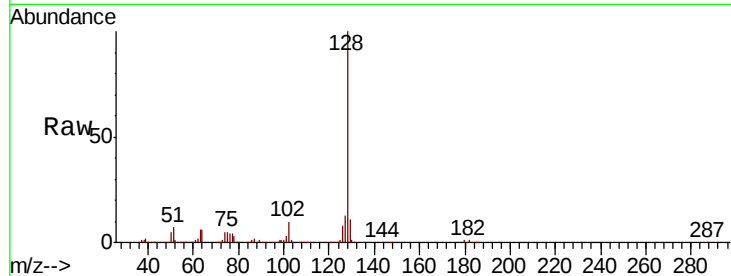
Tot Ion:128 Resp: 4340061

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

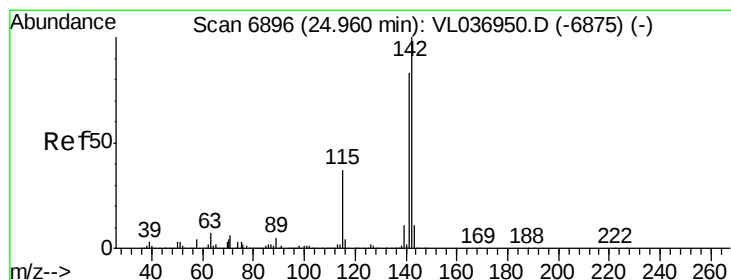
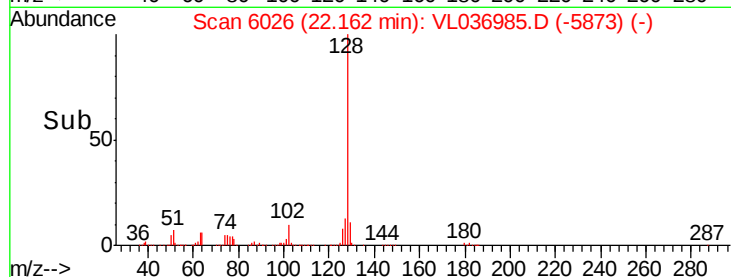
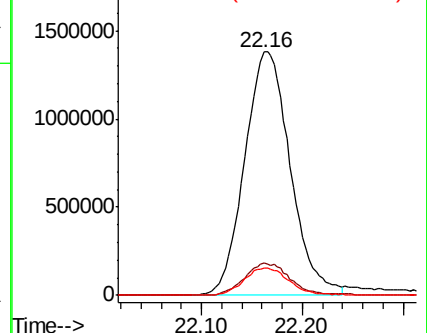
129 11.3 9.0 13.6



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: 12.026 ppbv

RT: 24.95 min Scan# 6894

Delta R.T. -0.01 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

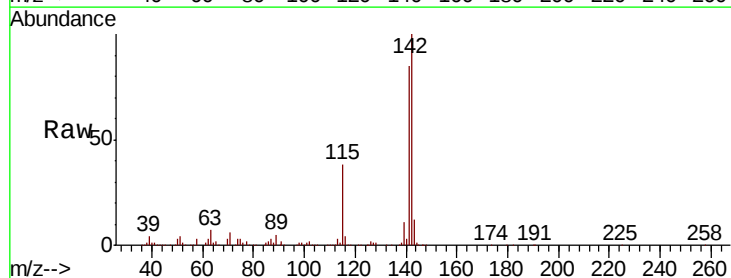
Tgt Ion:142 Resp: 1248597

Ion Ratio Lower Upper

142 100

141 80.6 69.3 103.9

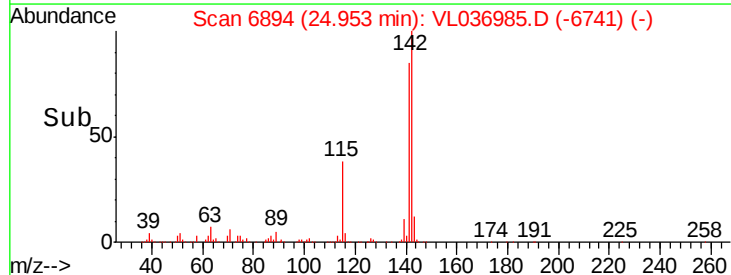
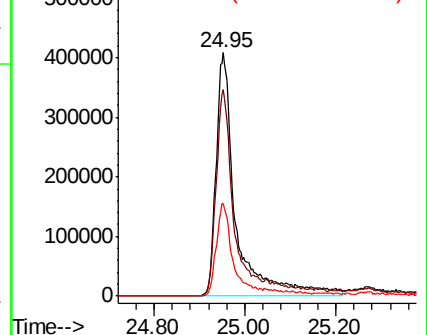
115 35.4 29.1 43.7

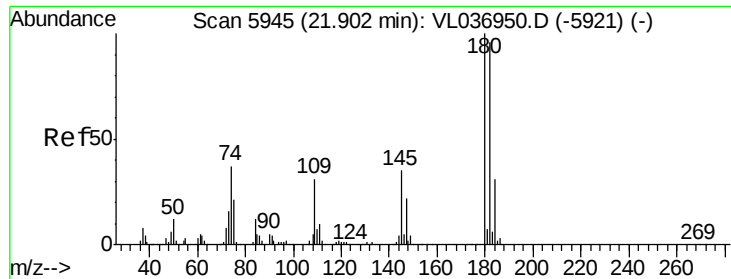


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 8.414 ppbv

RT: 21.90 min Scan# 5943

Delta R.T. -0.01 min

Lab File: VL036985.D

Acq: 19 May 2021 9:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:180 Resp: 2448935

Ion Ratio Lower Upper

180 100

182 101.6 81.7 122.5

184 31.2 24.9 37.3

