

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022521\
 Data File : VL036380.D
 Acq On : 25 Feb 2021 13:36
 Operator : SY/AP
 Sample : VL0225ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Feb 26 00:35:20 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10 16:04:02 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1621177	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.17	114	3723564	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.08	117	4463975	10.00	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	2967300	8.08	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	2156381	8.912	ppbv	99
3) Chlorodifluoromethane	2.98	51	1985622	9.857	ppbv	100
4) Chloromethane	3.13	50	1014672	10.427	ppbv	97
5) Vinyl Chloride	3.25	62	944940	10.428	ppbv	97
6) Bromomethane	3.47	94	570783	10.597	ppbv	100
7) Chloroethane	3.55	64	335343	10.422	ppbv	98
8) Dichlorotetrafluoroethane	3.18	85	2246192	10.208	ppbv	99
9) Propene	3.00	41	906962	12.077	ppbv	99
10) Heptane	8.11	43	2345392	10.597	ppbv	100
11) Trichlorofluoromethane	3.94	101	2393190	10.101	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1506147	10.263	ppbv	99
13) Ethanol	3.60	45	57148	4.051	ppbv #	32
14) Bromoethene	3.73	108	638207	10.390	ppbv	100
15) Acetone	3.84	43	1858989	9.381	ppbv	99
16) 1,3-Butadiene	3.32	39	949176	10.017	ppbv	100
17) tert-Butyl alcohol	4.28	59	1545783	10.049	ppbv	100
18) 1,1-Dichloroethene	4.28	96	651841	9.773	ppbv	97
19) Isopropyl Alcohol	3.96	45	1032256	9.402	ppbv #	98
20) Methylene Chloride	4.33	84	585174	9.153	ppbv	92
21) Allyl Chloride	4.40	41	1139481	10.328	ppbv	96
22) trans-1,2-Dichloroethene	4.88	96	631402	10.422	ppbv	95
23) Vinyl Acetate	5.07	43	2400456	10.302	ppbv #	96
24) 1,1-Dichloroethane	5.00	63	1797852	10.433	ppbv	98
25) Ethyl Acetate	5.67	43	3904143	10.205	ppbv	99
26) Hexane	5.68	57	1578282	10.041	ppbv	99
27) Carbon Disulfide	4.54	76	1642829	11.372	ppbv	98
28) Methyl tert-Butyl Ether	5.03	73	2168644	10.561	ppbv	100
29) Chloroform	5.74	83	2556082	10.094	ppbv	99
30) Cyclohexane	7.12	84	1326926	10.150	ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	1614683	10.381	ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	2501689	10.567	ppbv	98
34) 2-Butanone	5.24	43	2415385	9.763	ppbv	100
35) Carbon Tetrachloride	7.01	117	2545692	10.201	ppbv	96
36) Benzene	6.89	78	3312608	10.473	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1968242	10.064	ppbv	100
38) Trichloroethene	7.83	130	1149196	10.142	ppbv	96
39) 1,2-Dichloropropane	7.61	63	1349067	10.499	ppbv	97
40) 1,4-Dioxane	7.82	88	442696	9.944	ppbv #	1
41) Tetrahydrofuran	6.04	42	1482031	10.735	ppbv	99
42) Bromodichloromethane	7.79	83	2740854	10.465	ppbv	97
43) Methyl Methacrylate	8.01	69	1475869	11.064	ppbv	100

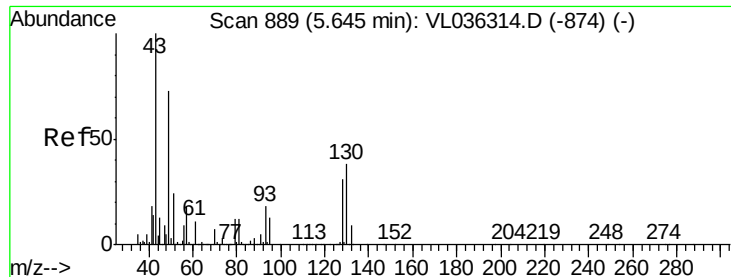
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022521\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	5703844	9.917	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1572375	12.219	ppbv	99
46) cis-1,3-Dichloropropene	8.70	75	1913762	11.708	ppbv	97
47) 1,1,2-Trichloroethane	9.47	97	1341300	10.200	ppbv	95
48) Dibromochloromethane	10.30	129	2201507	11.220	ppbv	99
49) Bromoform	13.04	173	1842616	11.616	ppbv	98
50) 4-Methyl-2-Pentanone	8.73	43	3832009	10.434	ppbv	99
51) 2-Hexanone	10.13	43	3131010	11.219	ppbv #	99
52) Tetrachloroethene	11.22	164	1085422	9.374	ppbv	95
53) Toluene	9.80	91	3699070	10.797	ppbv	99
54) 1,2-Dibromoethane	10.61	107	1985442	10.448	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.12	131	1656242	8.066	ppbv #	60
57) Chlorobenzene	12.14	112	2679475	7.769	ppbv	96
58) Ethyl Benzene	12.71	91	5050425	8.262	ppbv	99
59) m/p-Xylene	12.99	91	4370840	8.141	ppbv #	33
60) o-Xylene	13.69	91	4084130	7.956	ppbv	99
61) Styrene	13.53	104	2875420	9.038	ppbv	99
62) Isopropylbenzene	14.66	105	6013467	7.815	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.67	83	2950801	7.285	ppbv	100
64) n-propylbenzene	15.56	120	1576365	8.324	ppbv	96
65) tert-Butylbenzene	16.74	119	5116138	7.771	ppbv	98
66) Benzyl Chloride	16.99	91	1948564	10.887	ppbv	100
67) sec-Butylbenzene	17.29	105	7302456	7.691	ppbv	99
69) p-Isopropyltoluene	17.65	119	5959993	8.123	ppbv	99
70) n-Butylbenzene	18.55	91	6285879	7.988	ppbv	98
71) 2-Chlorotoluene	15.45	91	4763917	8.076	ppbv	99
72) 4-Ethyltoluene	15.84	105	4712379	8.248	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	4439711	8.017	ppbv	99
74) 1,2,4-Trimethylbenzene	16.76	105	4450803	7.872	ppbv	96
75) 1,3-Dichlorobenzene	17.00	146	2437440	7.943	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	2439255	7.654	ppbv	97
77) 1,2-Dichlorobenzene	17.81	146	2387523	7.843	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	1701513	6.841	ppbv	100
79) Naphthalene	22.20	128	3290972	9.820	ppbv	97
80) Naphthalene, 2-methyl-	24.98	142	842515	13.577	ppbv	91
81) 1,2,4-Trichlorobenzene	21.93	180	1726595	8.444	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. 0.02 min

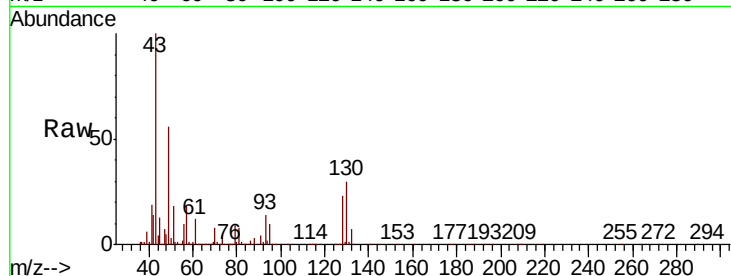
Lab File: VL036380.D

Acq: 25 Feb 2021 13:36

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 49 Resp: 1621177

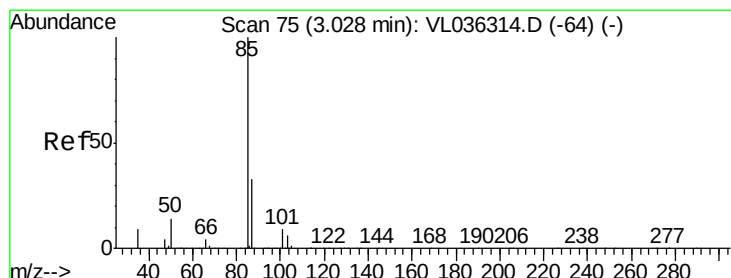
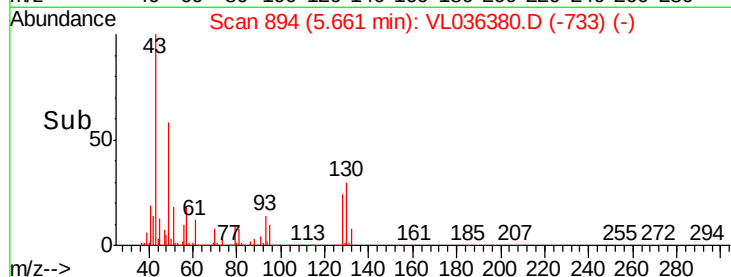
Ion	Ratio	Lower	Upper
49	100		
128	43.1	20.8	62.5
130	54.3	26.7	80.1



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: 8.912 ppbv

RT: 3.04 min Scan# 79

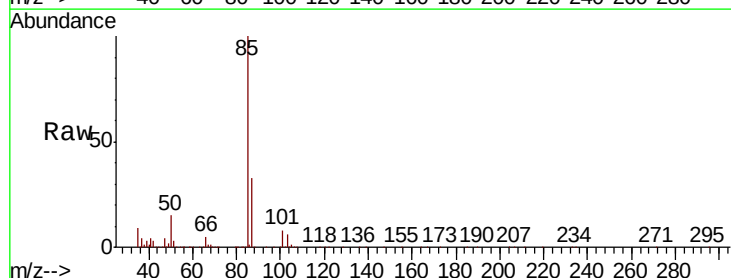
Delta R.T. 0.01 min

Lab File: VL036380.D

Acq: 25 Feb 2021 13:36

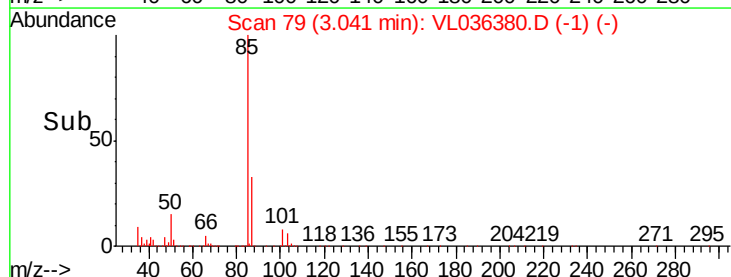
Tgt Ion: 85 Resp: 2156381

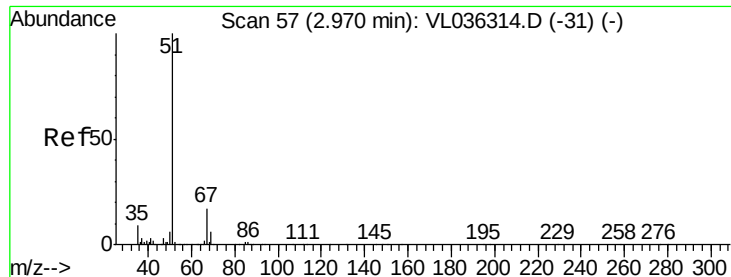
Ion	Ratio	Lower	Upper
85	100		
87	32.6	26.5	39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.857 ppbv

RT: 2.98 min Scan# 60

Delta R.T. 0.01 min

Lab File: VL036380.D

Acq: 25 Feb 2021 13:36

Instrument :

MSVOA_L

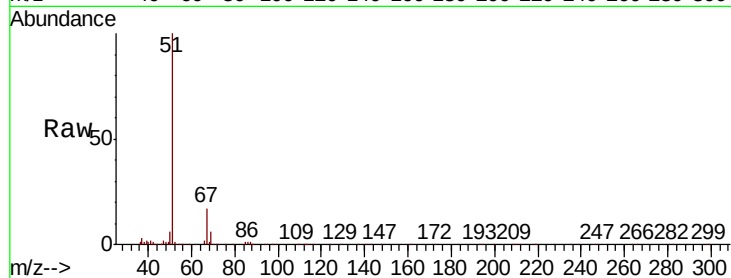
ClientSampleId :

Tot Ion: 51 Resp: 1985622

Ion Ratio Lower Upper

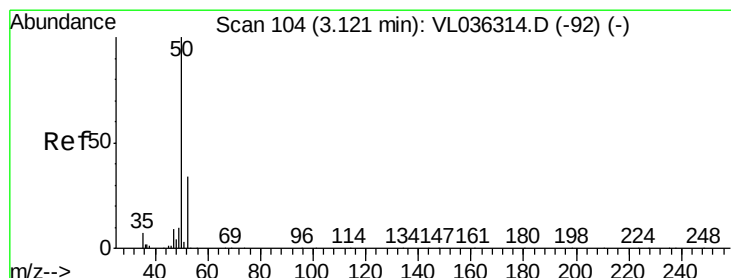
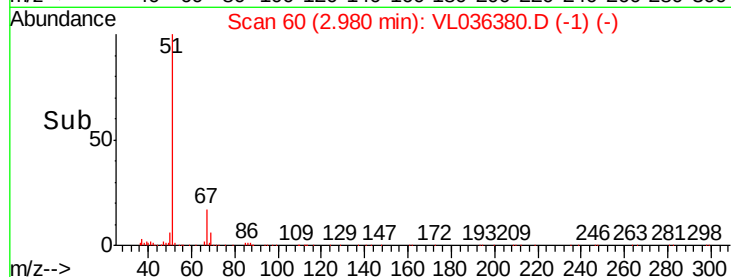
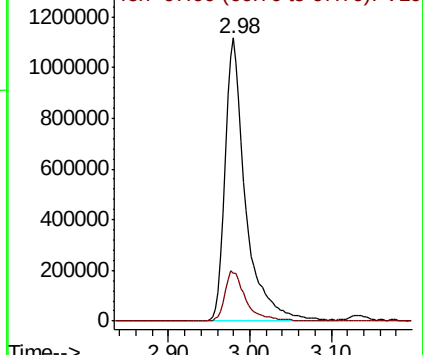
51 100

67 18.3 14.7 22.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.427 ppbv

RT: 3.13 min Scan# 107

Delta R.T. 0.01 min

Lab File: VL036380.D

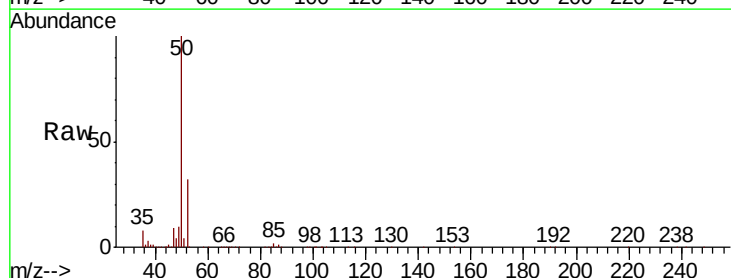
Acq: 25 Feb 2021 13:36

Tgt Ion: 50 Resp: 1014672

Ion Ratio Lower Upper

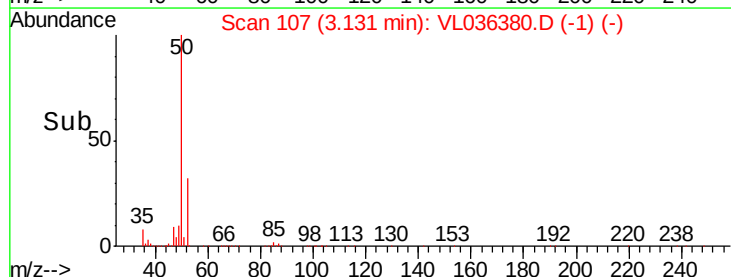
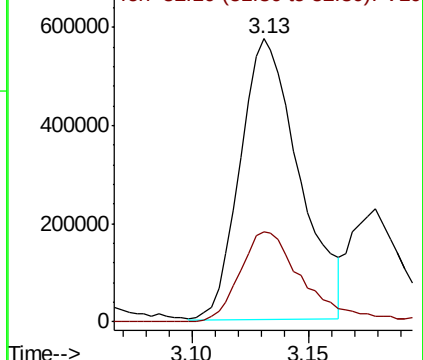
50 100

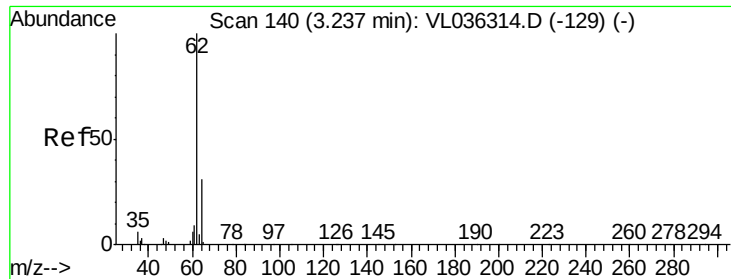
52 32.0 27.0 40.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.428 ppbv

RT: 3.25 min Scan# 143

Delta R.T. 0.01 min

Lab File: VL036380.D

Acq: 25 Feb 2021 13:36

Instrument :

MSVOA_L

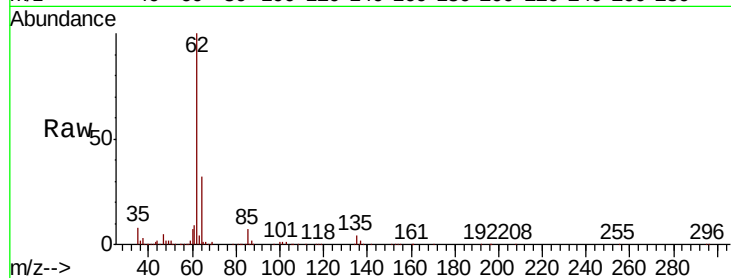
ClientSampleId :

Tot Ion: 62 Resp: 944940

Ion Ratio Lower Upper

62 100

64 32.3 24.4 36.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.25

600000

500000

400000

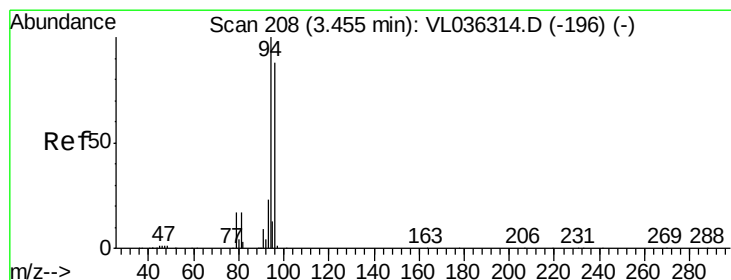
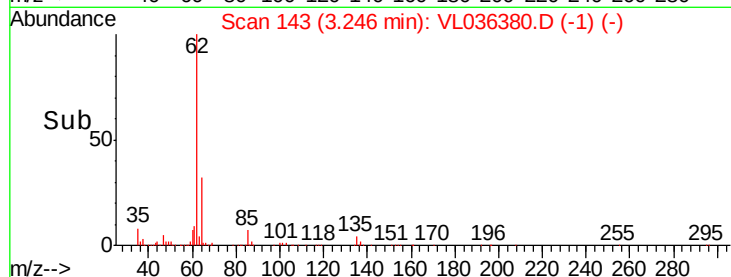
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 10.597 ppbv

RT: 3.47 min Scan# 211

Delta R.T. 0.01 min

Lab File: VL036380.D

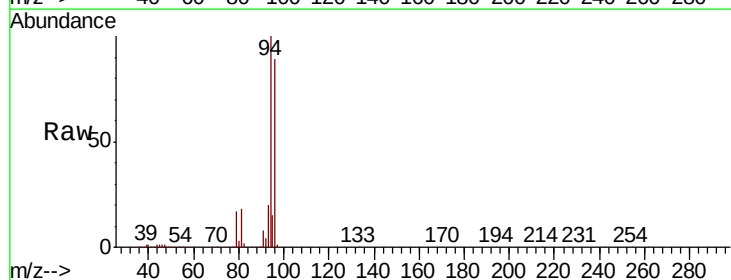
Acq: 25 Feb 2021 13:36

Tgt Ion: 94 Resp: 570783

Ion Ratio Lower Upper

94 100

96 88.8 70.8 106.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.47

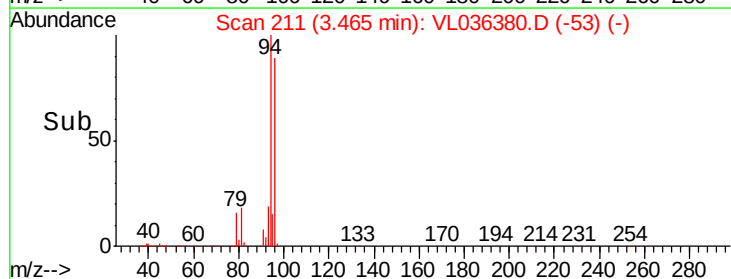
300000

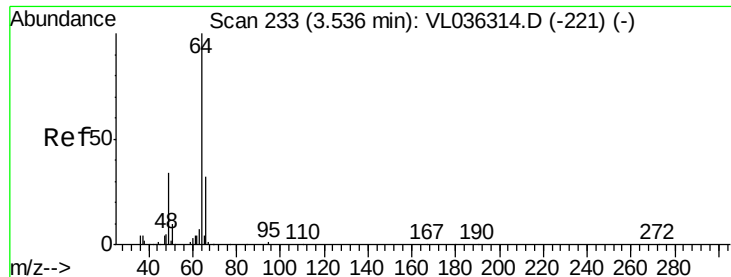
200000

100000

0

Time-->





#7

Chloroethane

Concen: 10.422 ppbv

RT: 3.55 min Scan# 237

Delta R.T. 0.01 min

Lab File: VL036380.D

Acq: 25 Feb 2021 13:36

Instrument :

MSVOA_L

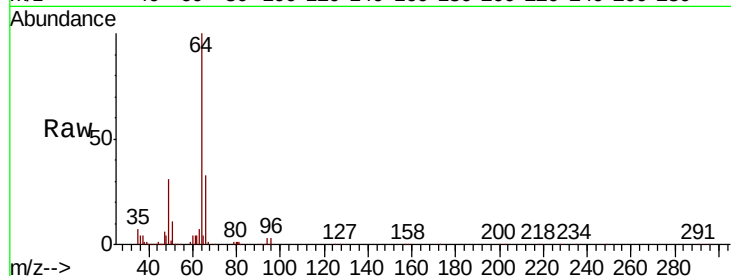
ClientSampleId :

Tot Ion: 64 Resp: 335343

Ion Ratio Lower Upper

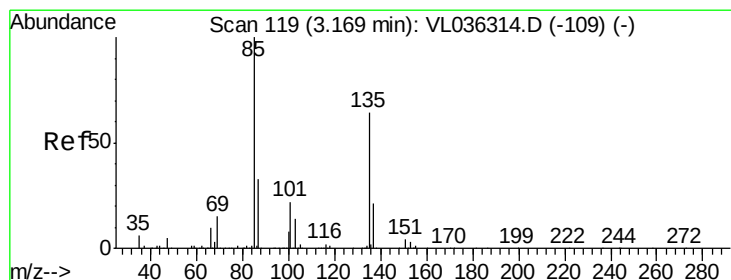
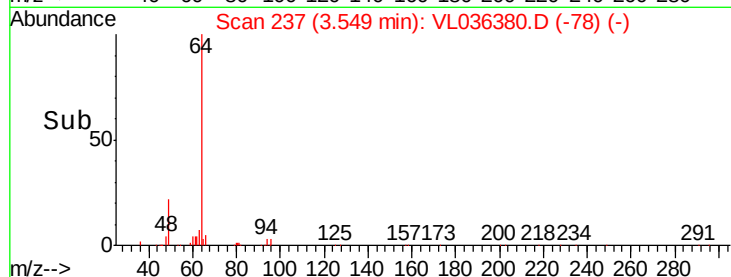
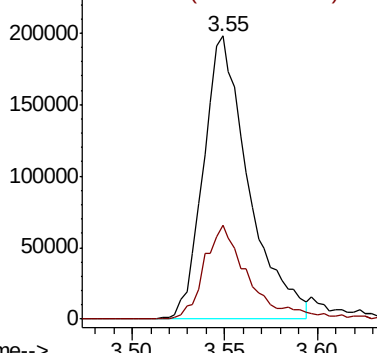
64 100

66 33.3 25.6 38.4



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 10.208 ppbv

RT: 3.18 min Scan# 122

Delta R.T. 0.01 min

Lab File: VL036380.D

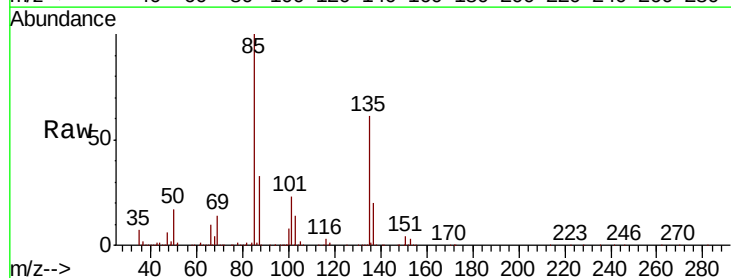
Acq: 25 Feb 2021 13:36

Tgt Ion: 85 Resp: 2246192

Ion Ratio Lower Upper

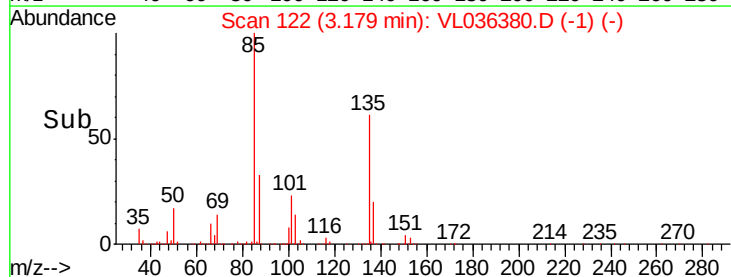
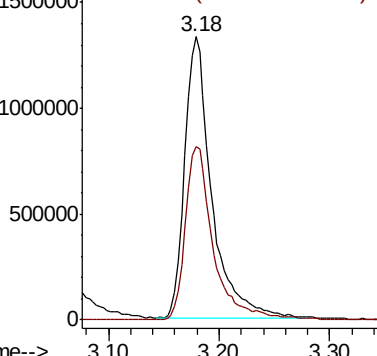
85 100

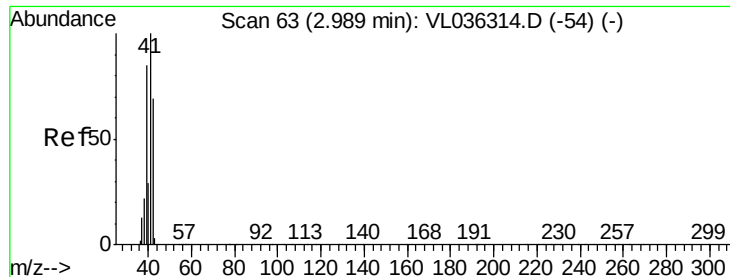
135 64.8 51.1 76.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 12.077 ppbv

RT: 3.00 min Scan# 66

Delta R.T. 0.01 min

Lab File: VL036380.D

Acq: 25 Feb 2021 13:36

Instrument :

MSVOA_L

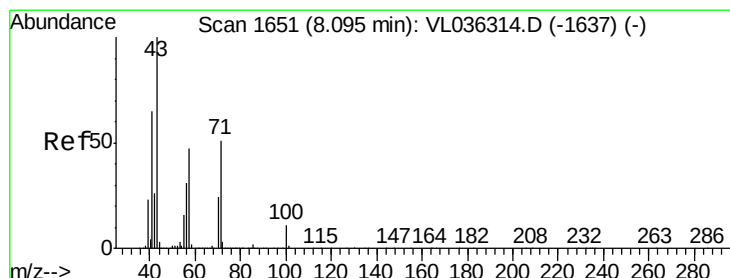
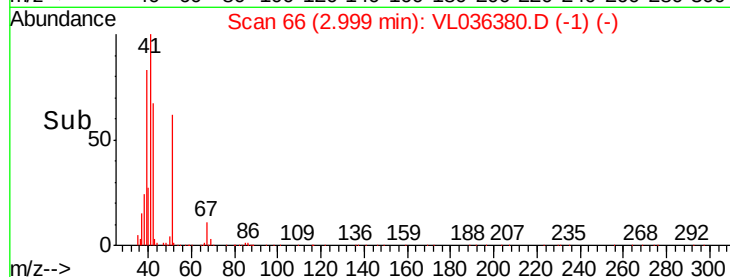
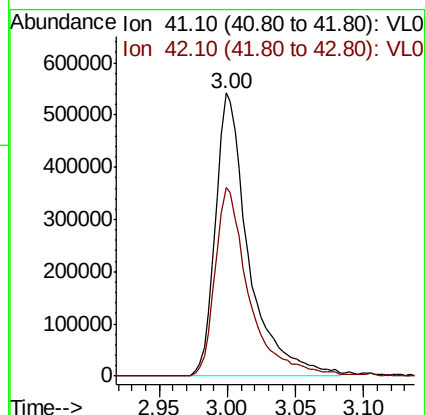
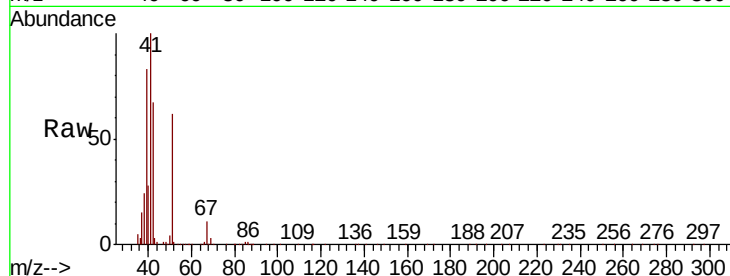
ClientSampled :

Tot Ion: 41 Resp: 906962

Ion Ratio Lower Upper

41 100

42 69.7 56.2 84.2



#10

Heptane

Concen: 10.597 ppbv

RT: 8.11 min Scan# 1657

Delta R.T. 0.02 min

Lab File: VL036380.D

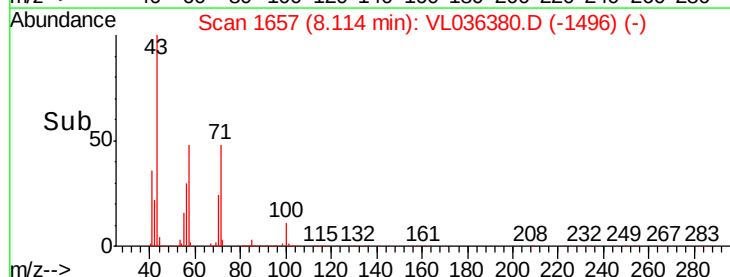
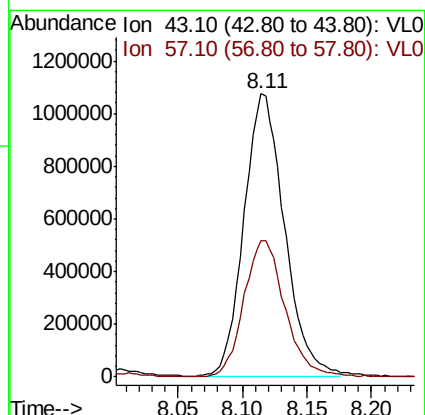
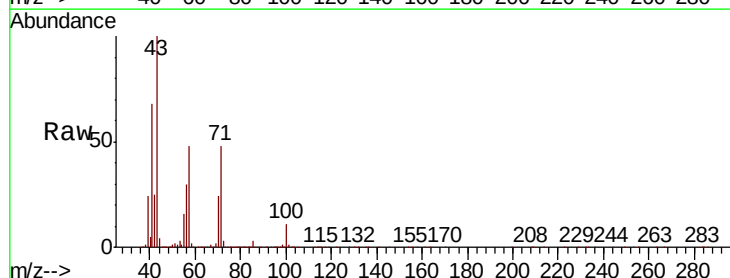
Acq: 25 Feb 2021 13:36

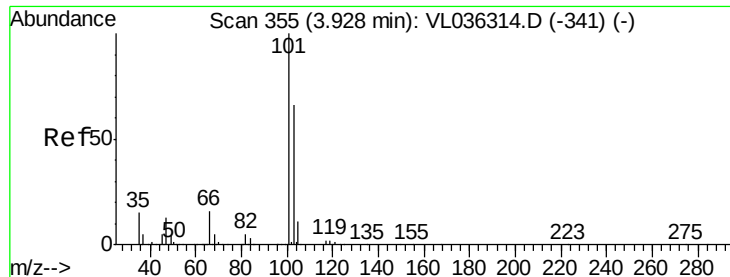
Tgt Ion: 43 Resp: 2345392

Ion Ratio Lower Upper

43 100

57 49.0 39.4 59.2





#11

Trichlorofluoromethane

Concen: 10.101 ppbv

RT: 3.94 min Scan# 359

Delta R.T. 0.01 min

Lab File: VL036380.D

Acq: 25 Feb 2021 13:36

Instrument :

MSVOA_L

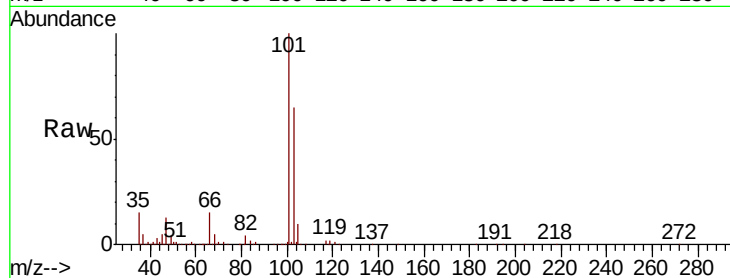
ClientSampleId :

Tot Ion:101 Resp: 2393190

Ion Ratio Lower Upper

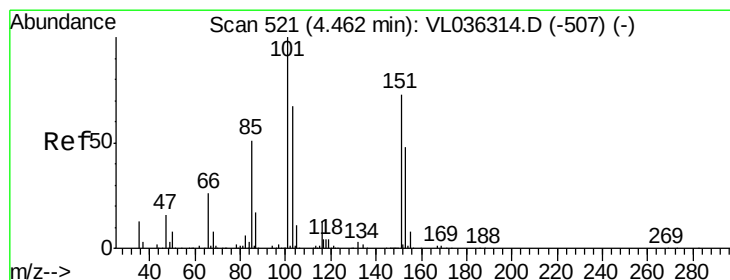
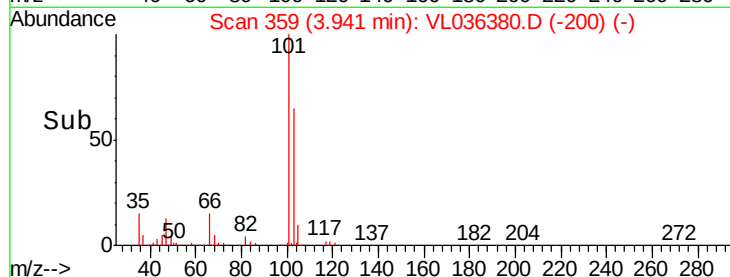
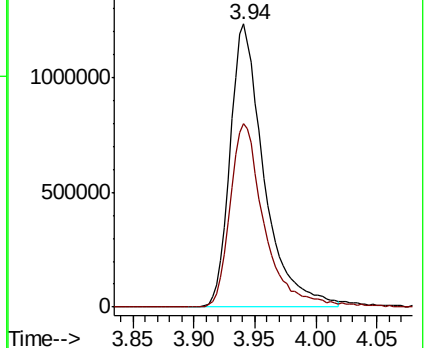
101 100

103 64.7 52.9 79.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.263 ppbv

RT: 4.47 min Scan# 525

Delta R.T. 0.01 min

Lab File: VL036380.D

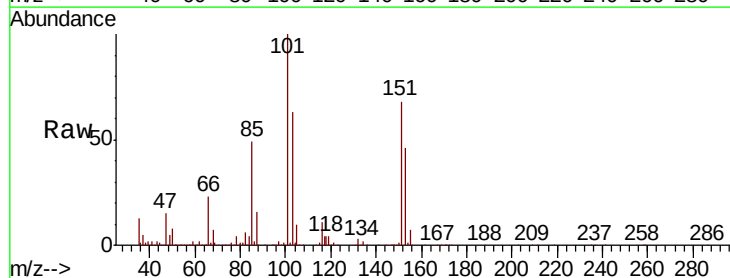
Acq: 25 Feb 2021 13:36

Tgt Ion:101 Resp: 1506147

Ion Ratio Lower Upper

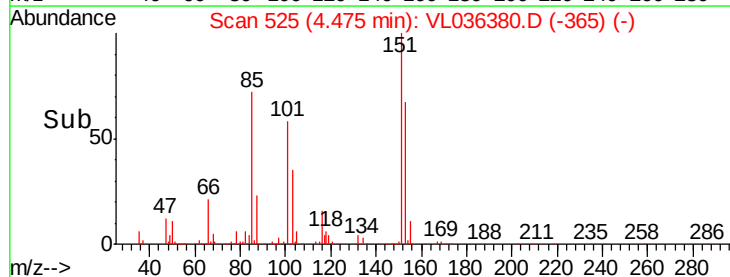
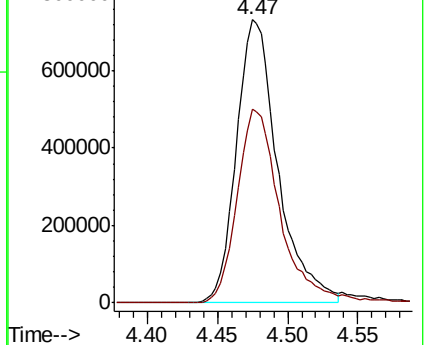
101 100

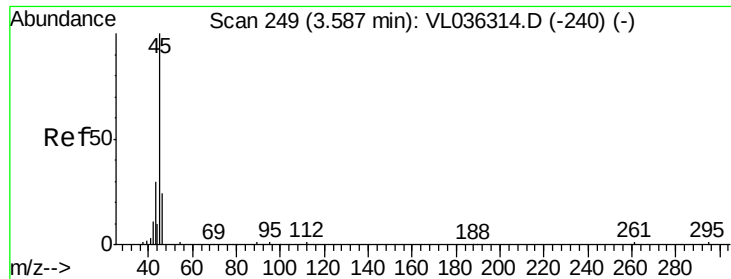
151 72.0 58.2 87.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

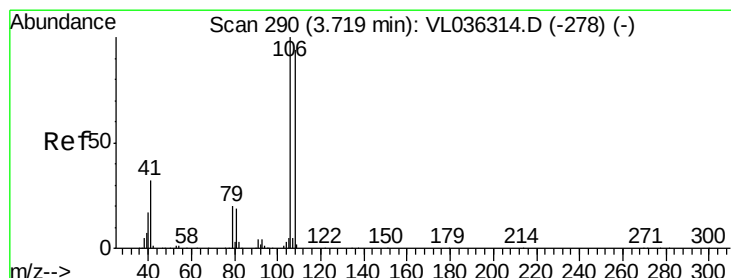
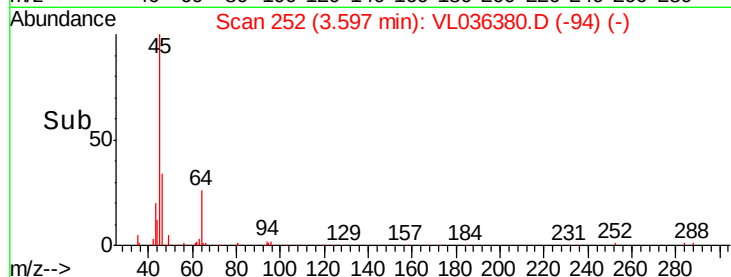
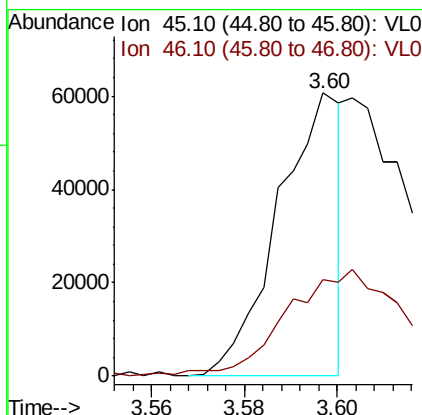
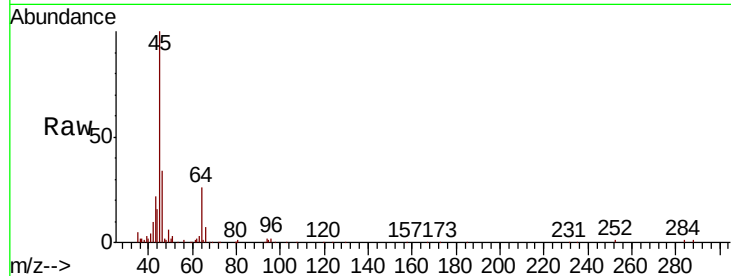




#13
Ethanol
Concen: 4.051 ppbv
RT: 3.60 min Scan# 252
Delta R.T. 0.01 min
Lab File: VL036380.D
Acq: 25 Feb 2021 13:36

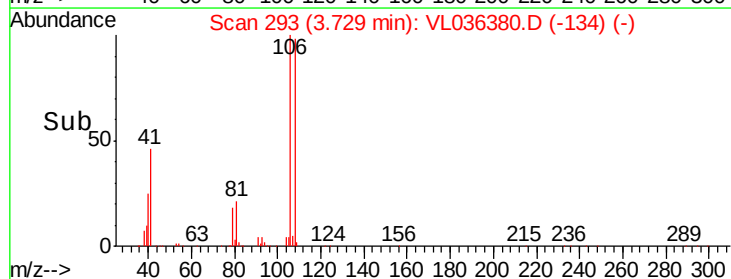
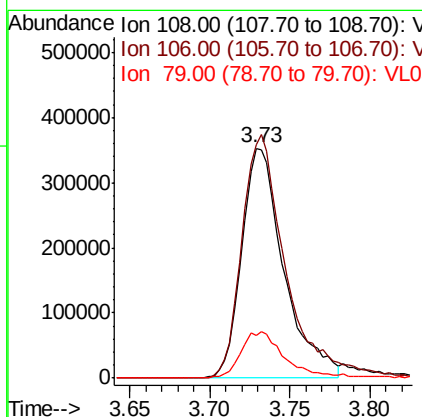
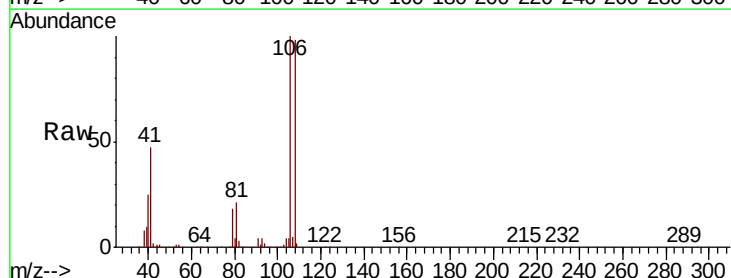
Instrument :
MSVOA_L
ClientSampleId :

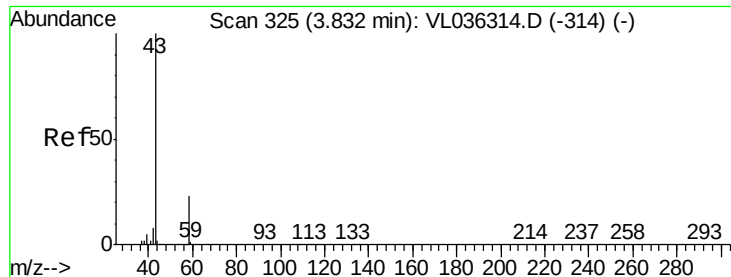
Tot Ion: 45 Resp: 57148
Ion Ratio Lower Upper
45 100
46 0.0 17.7 70.7#



#14
Bromoethene
Concen: 10.390 ppbv
RT: 3.73 min Scan# 293
Delta R.T. 0.01 min
Lab File: VL036380.D
Acq: 25 Feb 2021 13:36

Tgt Ion: 108 Resp: 638207
Ion Ratio Lower Upper
108 100
106 111.9 89.8 134.8
79 21.9 17.1 25.7

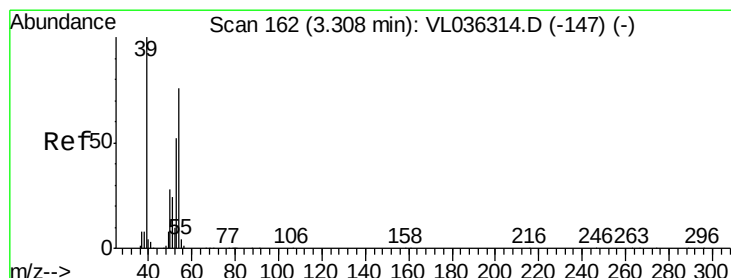
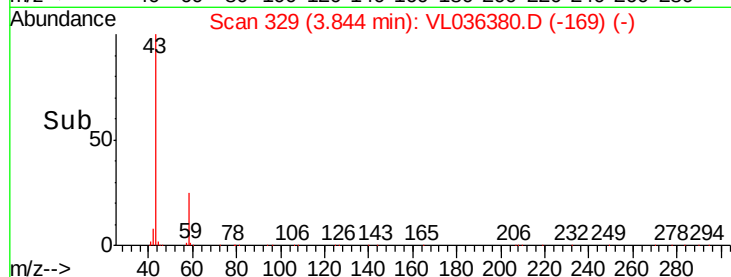
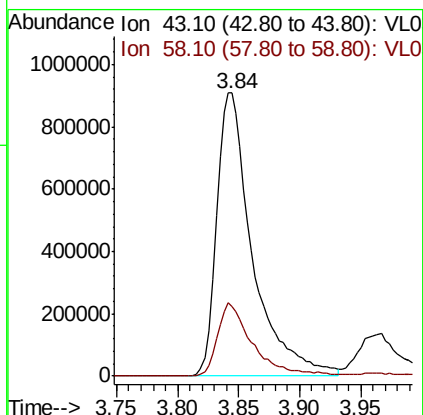
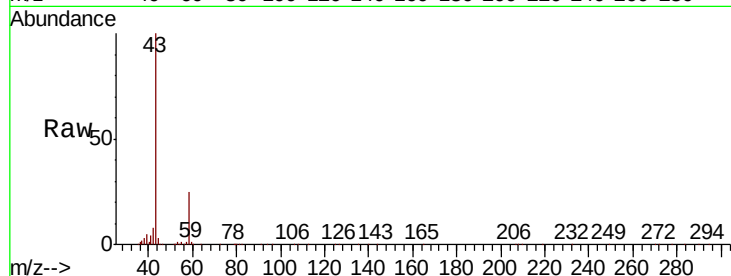




#15
Acetone
Concen: 9.381 ppbv
RT: 3.84 min Scan# 329
Delta R.T. 0.01 min
Lab File: VL036380.D
Acq: 25 Feb 2021 13:36

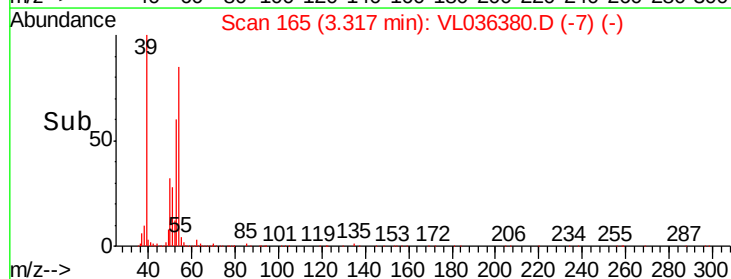
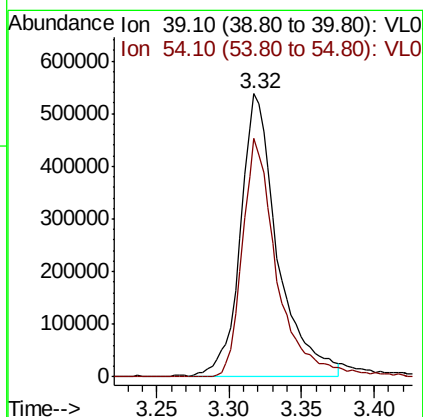
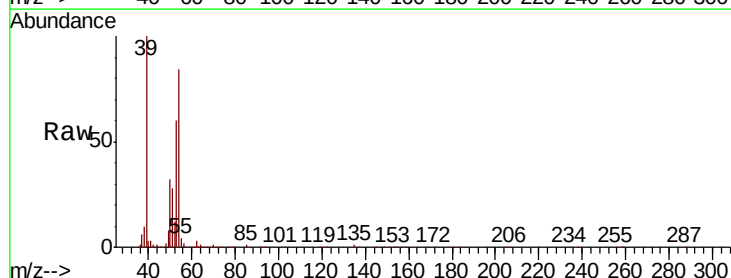
Instrument :
MSVOA_L
ClientSampled :

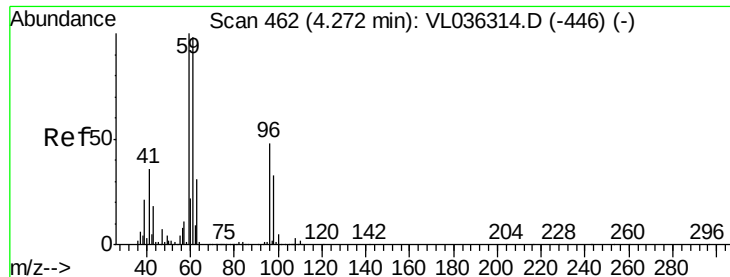
Tot Ion: 43 Resp: 1858989
Ion Ratio Lower Upper
43 100
58 25.7 20.3 30.5



#16
1,3-Butadiene
Concen: 10.017 ppbv
RT: 3.32 min Scan# 165
Delta R.T. 0.01 min
Lab File: VL036380.D
Acq: 25 Feb 2021 13:36

Tgt Ion: 39 Resp: 949176
Ion Ratio Lower Upper
39 100
54 80.3 64.4 96.6



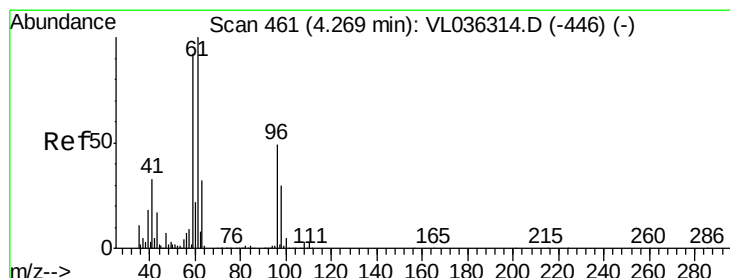
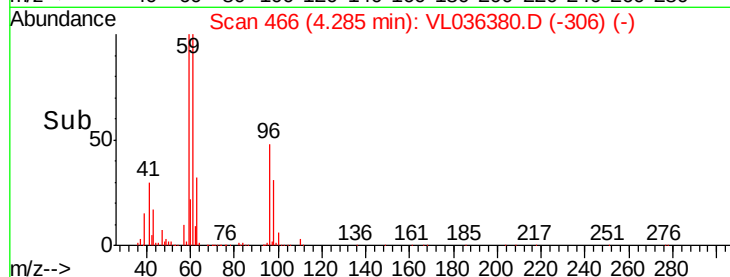
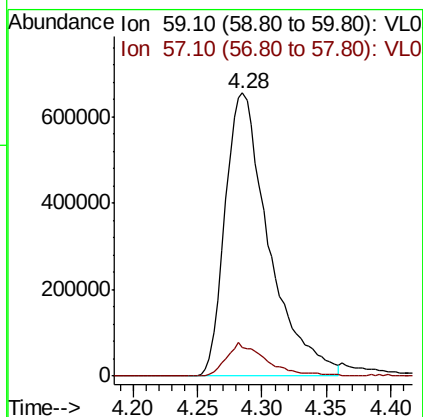
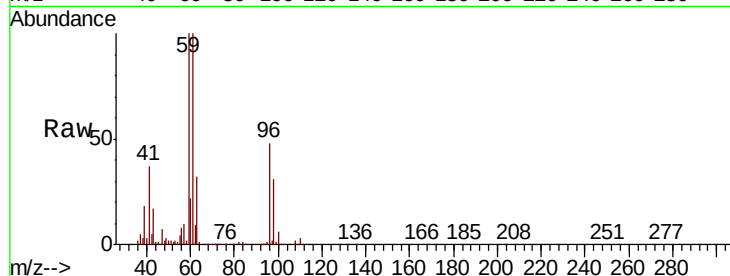


#17

tert-Butyl alcohol
Concen: 10.049 ppbv
RT: 4.28 min Scan# 466
Delta R.T. 0.01 min
Lab File: VL036380.D
Acq: 25 Feb 2021 13:36

Instrument :
MSVOA_L
ClientSampled :

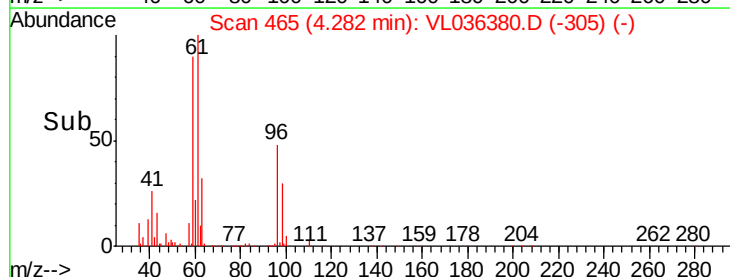
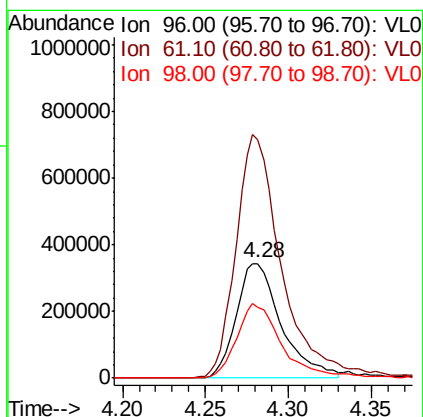
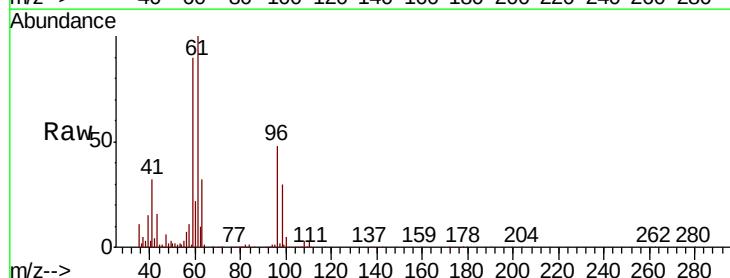
Tot Ion: 59 Resp: 1545783
Ion Ratio Lower Upper
59 100
57 11.0 9.0 13.4

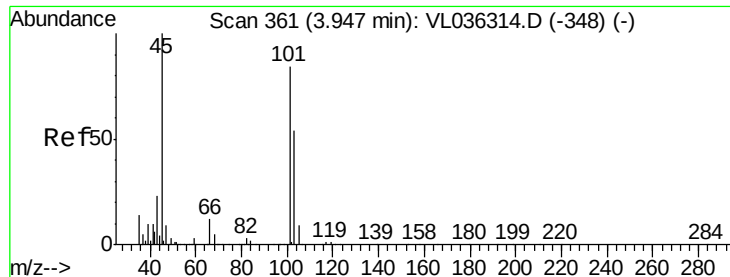


#18

1,1-Dichloroethene
Concen: 9.773 ppbv
RT: 4.28 min Scan# 465
Delta R.T. 0.01 min
Lab File: VL036380.D
Acq: 25 Feb 2021 13:36

Tgt Ion: 96 Resp: 651841
Ion Ratio Lower Upper
96 100
61 208.5 162.5 243.7
98 61.9 48.5 72.7



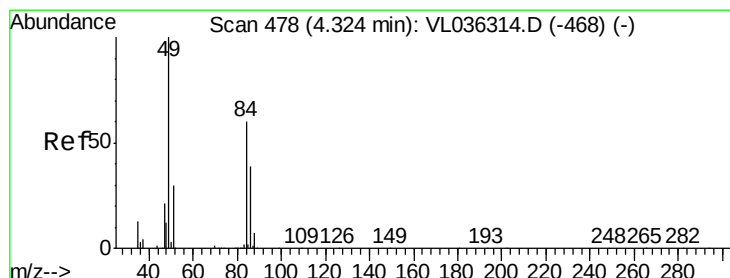
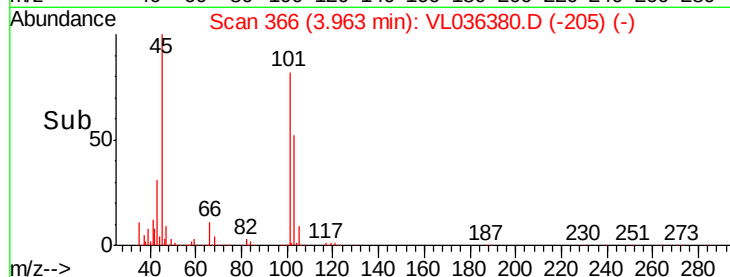
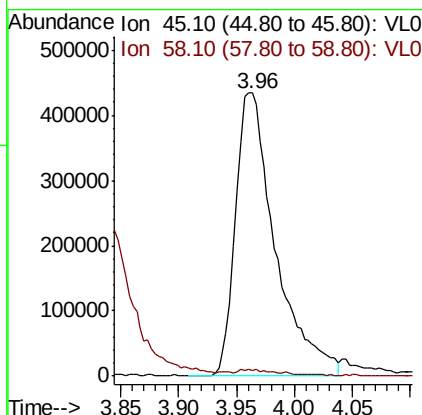
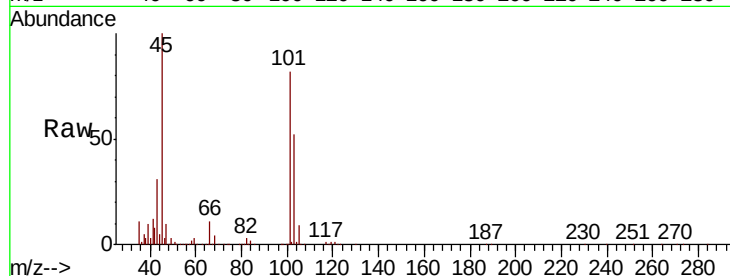


#19

Isopropyl Alcohol
 Concen: 9.402 ppbv
 RT: 3.96 min Scan# 366
 Delta R.T. 0.02 min
 Lab File: VL036380.D
 Acq: 25 Feb 2021 13:36

Instrument :
 MSVOA_L
 ClientSampled :

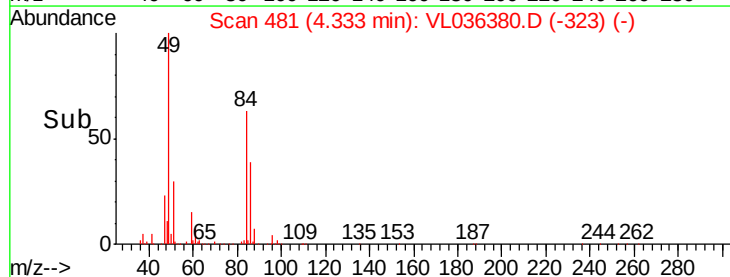
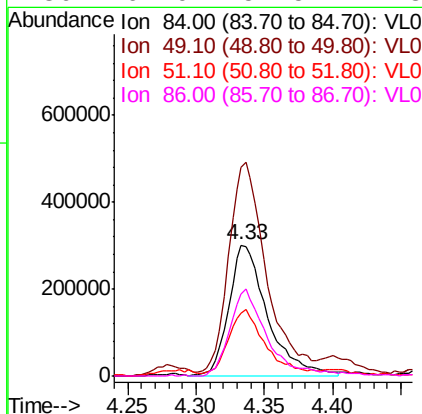
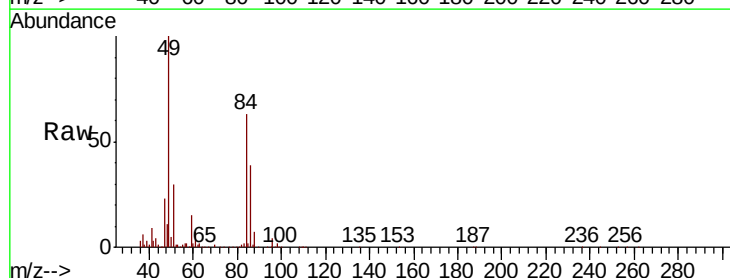
Tot Ion: 45 Resp: 1032256
 Ion Ratio Lower Upper
 45 100
 58 3.1 1.9 2.9#

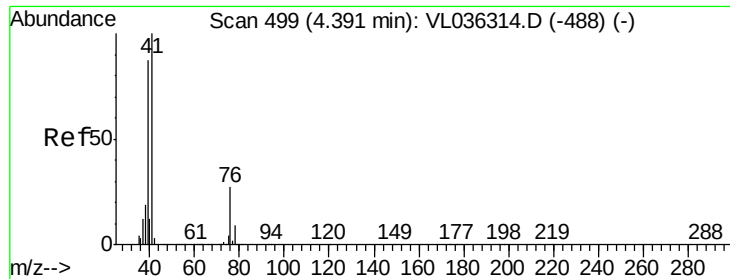


#20

Methylene Chloride
 Concen: 9.153 ppbv
 RT: 4.33 min Scan# 481
 Delta R.T. 0.01 min
 Lab File: VL036380.D
 Acq: 25 Feb 2021 13:36

Tgt Ion: 84 Resp: 585174
 Ion Ratio Lower Upper
 84 100
 49 154.5 133.8 200.8
 51 43.9 41.4 62.0
 86 62.0 51.5 77.3





#21

Allvl Chloride

Concen: 10.328 ppbv

RT: 4.40 min Scan# 503

Delta R.T. 0.01 min

Lab File: VL036380.D

Acq: 25 Feb 2021 13:36

Instrument :
MSVOA_L
ClientSampleId :

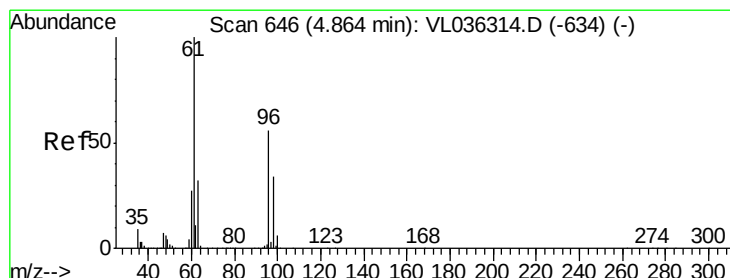
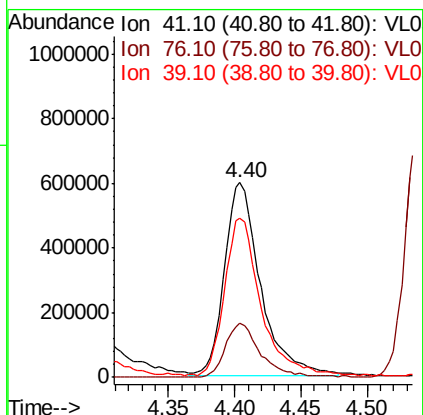
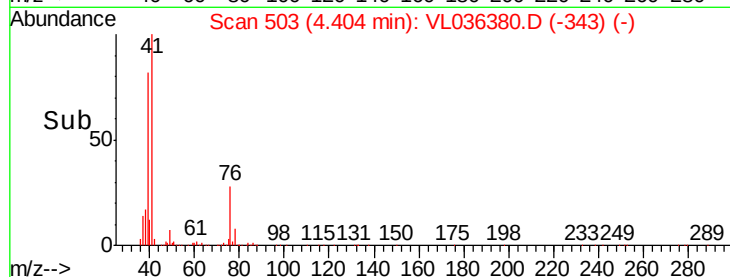
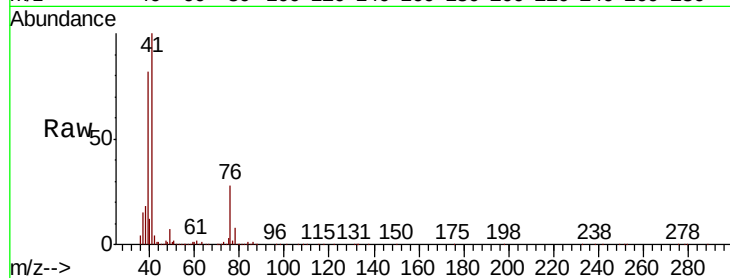
Tot Ion: 41 Resp: 1139481

Ion Ratio Lower Upper

41 100

76 27.5 22.0 33.0

39 82.5 70.2 105.2



#22

trans-1,2-Dichloroethene

Concen: 10.422 ppbv

RT: 4.88 min Scan# 650

Delta R.T. 0.01 min

Lab File: VL036380.D

Acq: 25 Feb 2021 13:36

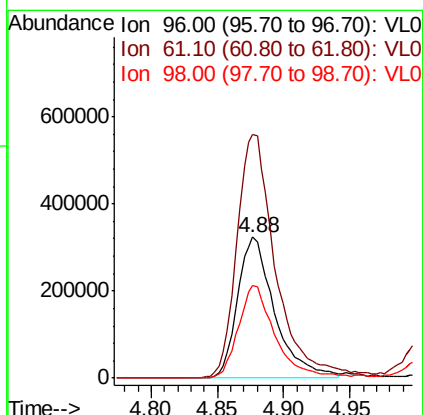
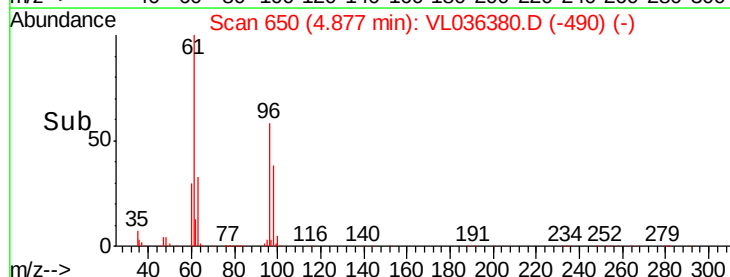
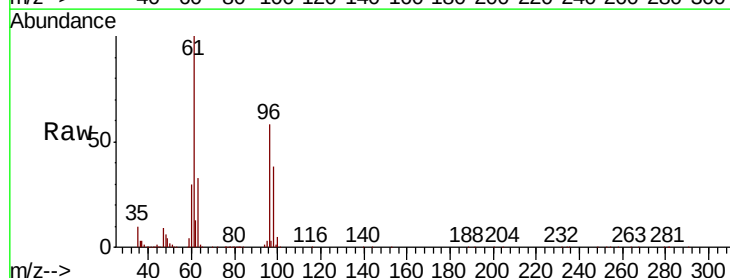
Tgt Ion: 96 Resp: 631402

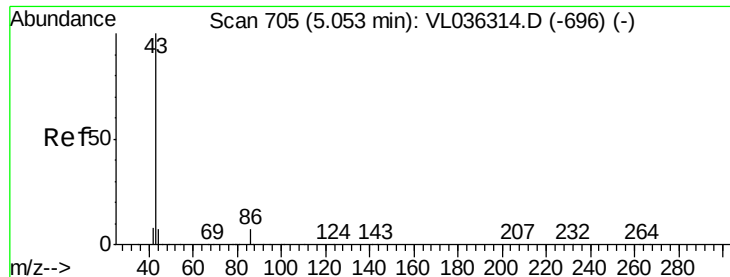
Ion Ratio Lower Upper

96 100

61 172.6 143.7 215.5

98 65.3 48.5 72.7





#23

Vinyl Acetate

Concen: 10.302 ppbv

RT: 5.07 min Scan# 709

Delta R.T. 0.01 min

Lab File: VL036380.D

Acq: 25 Feb 2021 13:36

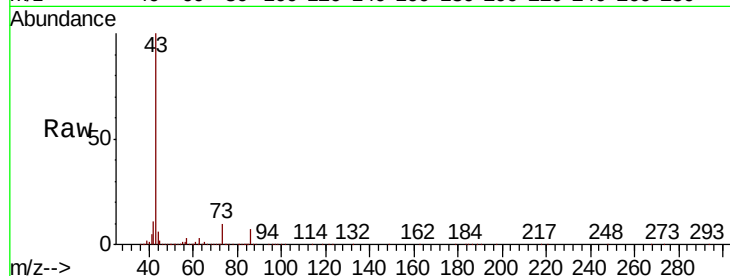
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 2400456

Ion	Ratio	Lower	Upper
43	100		
86	7.0	4.8	7.2
42	11.1	7.4	11.0#
44	5.2	4.8	7.2

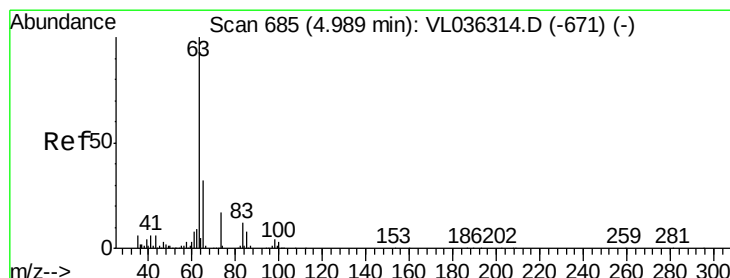
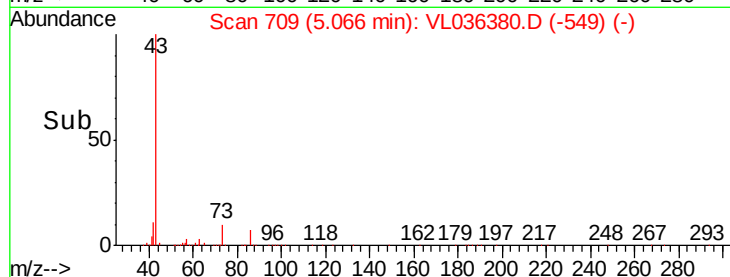
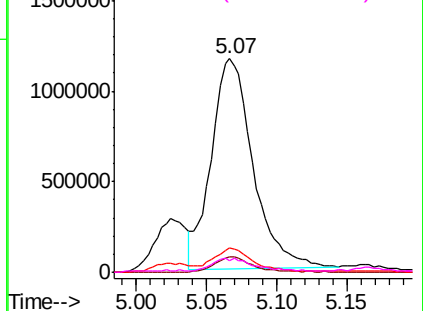


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.433 ppbv

RT: 5.00 min Scan# 689

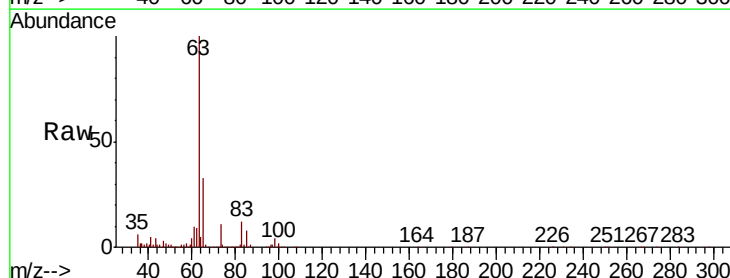
Delta R.T. 0.01 min

Lab File: VL036380.D

Acq: 25 Feb 2021 13:36

Tgt Ion: 63 Resp: 1797852

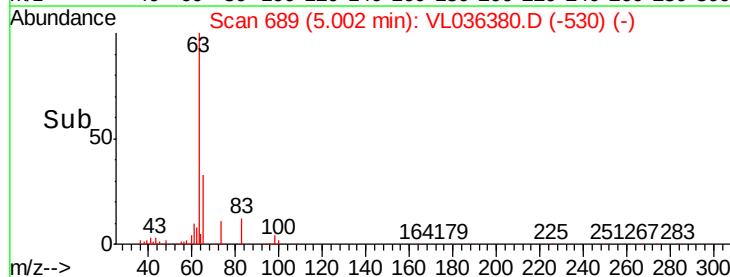
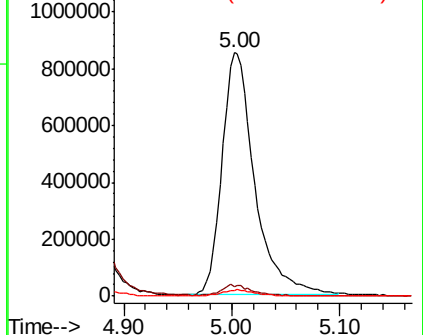
Ion	Ratio	Lower	Upper
63	100		
98	3.5	2.0	6.0
100	2.3	1.5	4.4

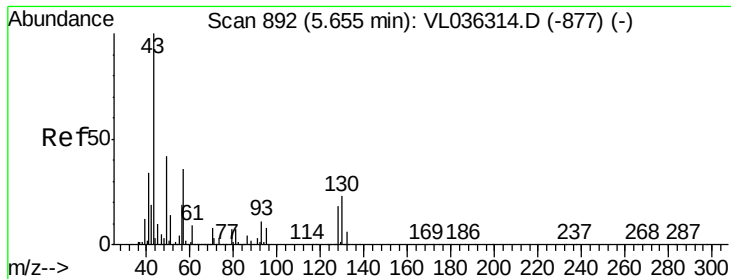


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

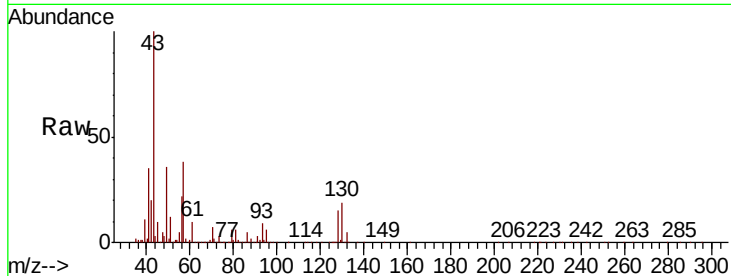




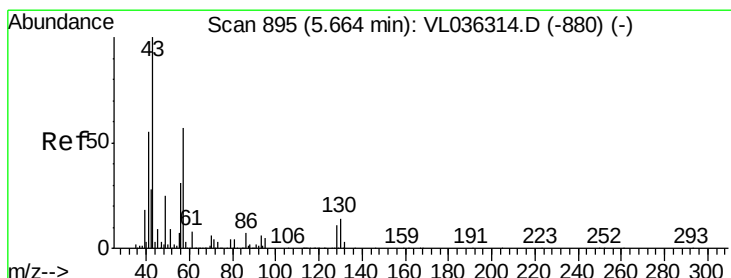
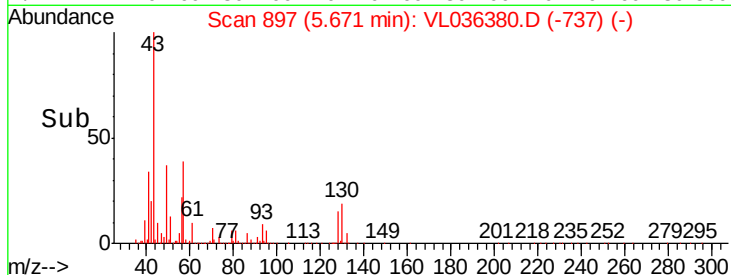
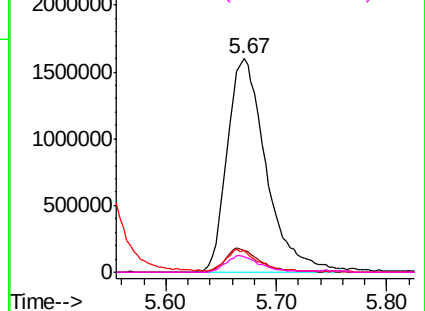
#25
Ethyl Acetate
Concen: 10.205 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.02 min
Lab File: VL036380.D
Acq: 25 Feb 2021 13:36

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 43 Resp: 3904143
Ion Ratio Lower Upper
43 100
45 10.4 8.3 12.5
61 9.6 7.3 10.9
70 6.8 5.4 8.0

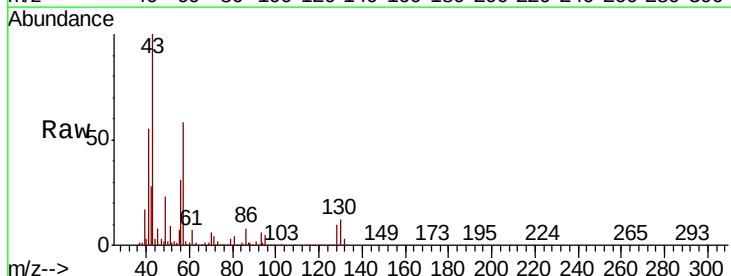


Abundance Ion 43.10 (42.80 to 43.80): VL0
2500000 Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

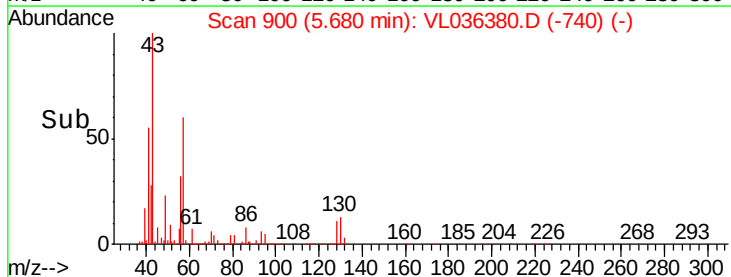
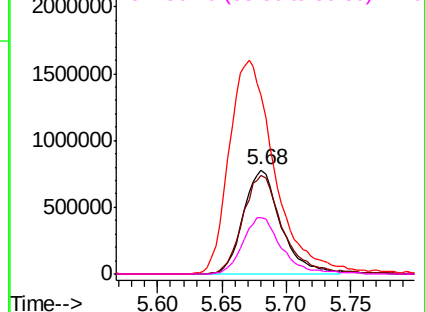


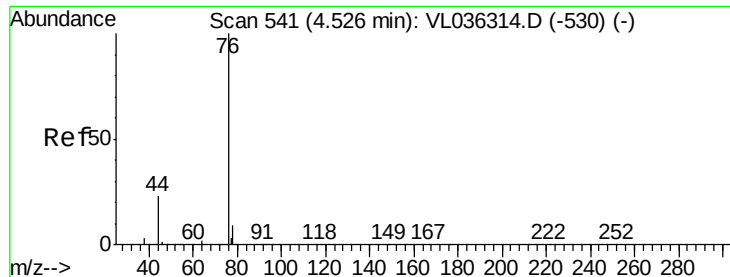
#26
Hexane
Concen: 10.041 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.02 min
Lab File: VL036380.D
Acq: 25 Feb 2021 13:36

Tgt Ion: 57 Resp: 1578282
Ion Ratio Lower Upper
57 100
41 102.2 81.7 122.5
43 251.8 199.1 298.7
56 56.6 44.0 66.0



Abundance Ion 57.10 (56.80 to 57.80): VL0
2500000 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: 11.372 ppbv

RT: 4.54 min Scan# 545

Delta R.T. 0.01 min

Lab File: VL036380.D

Acq: 25 Feb 2021 13:36

Instrument :
MSVOA_L
ClientSampleId :

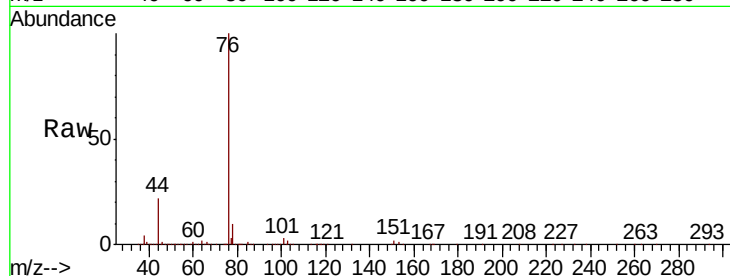
Tot Ion: 76 Resp: 1642829

Ion	Ratio	Lower	Upper
76	100		
44	21.8	18.4	27.6
78	10.0	8.0	12.0

76 100

44 21.8 18.4 27.6

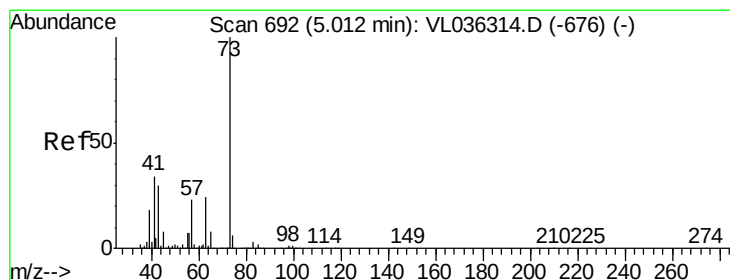
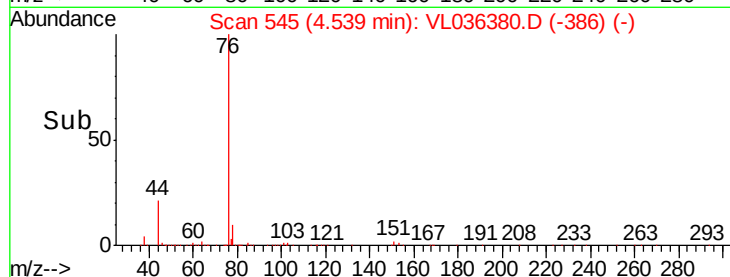
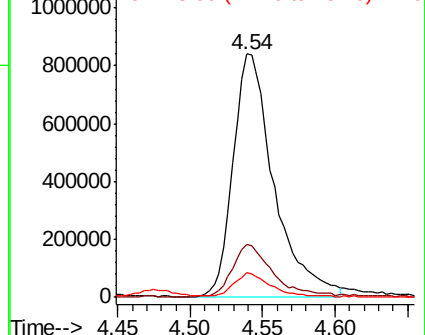
78 10.0 8.0 12.0



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.561 ppbv

RT: 5.03 min Scan# 697

Delta R.T. 0.02 min

Lab File: VL036380.D

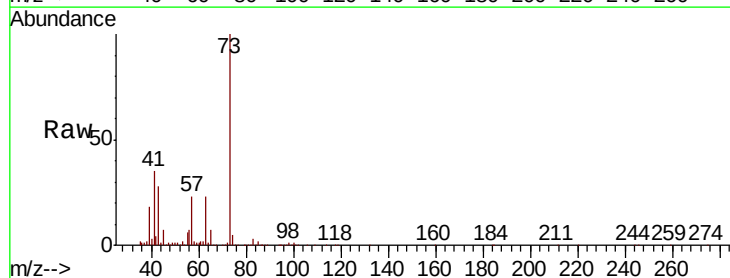
Acq: 25 Feb 2021 13:36

Tgt Ion: 73 Resp: 2168644

Ion	Ratio	Lower	Upper
73	100		
57	23.8	19.2	28.8

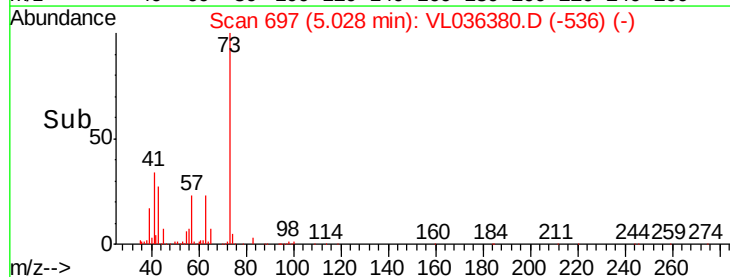
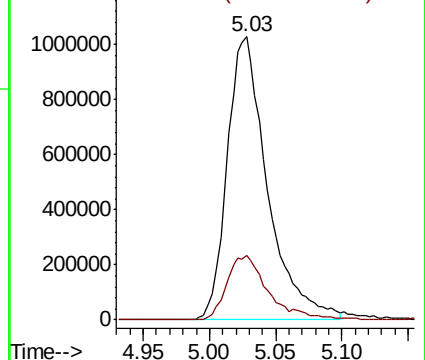
73 100

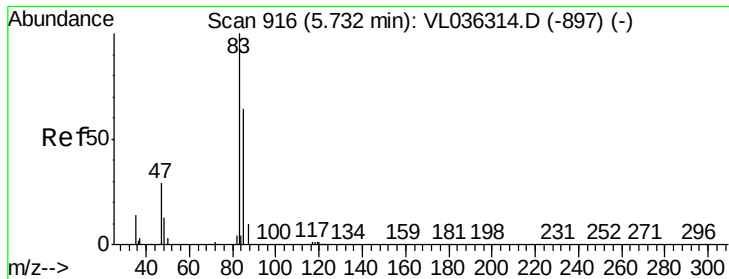
57 23.8 19.2 28.8



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

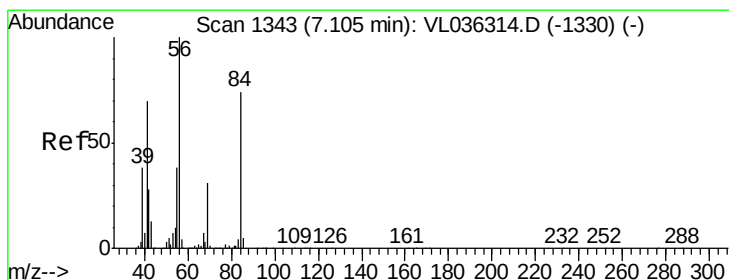
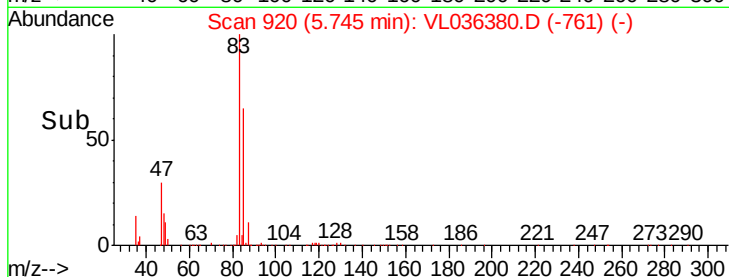
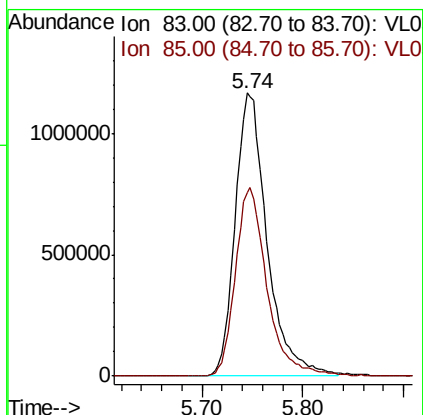
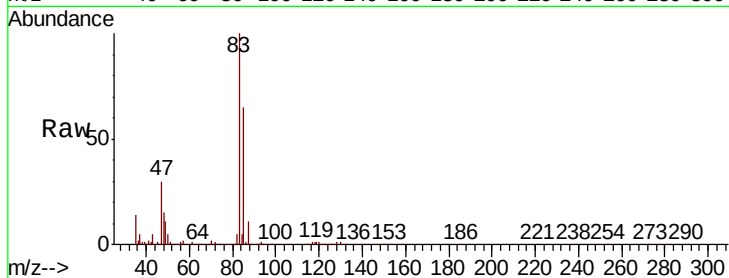




#29
Chloroform
Concen: 10.094 ppbv
RT: 5.74 min Scan# 920
Delta R.T. 0.01 min
Lab File: VL036380.D
Acq: 25 Feb 2021 13:36

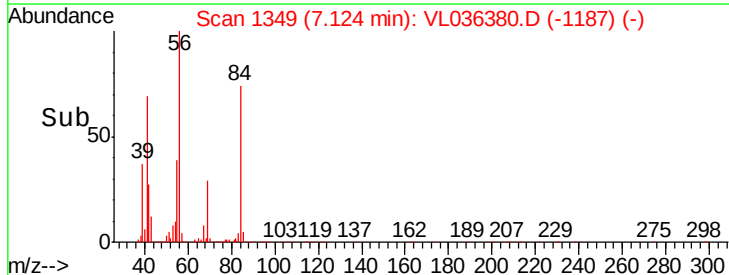
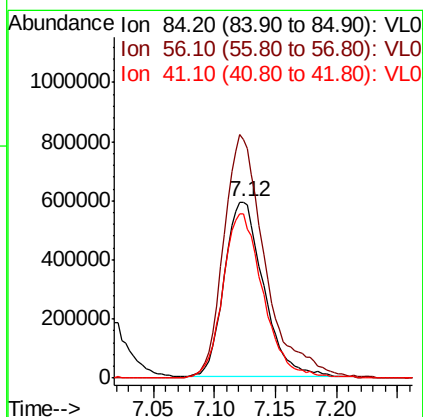
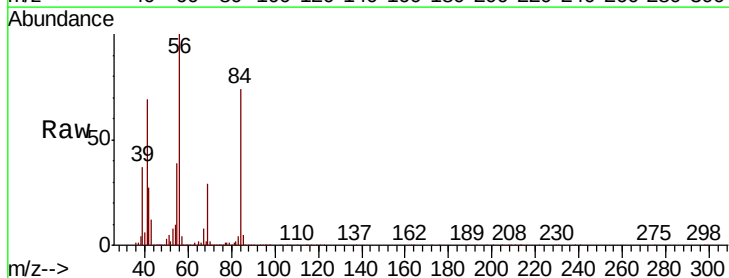
Instrument :
MSVOA_L
ClientSampleId :

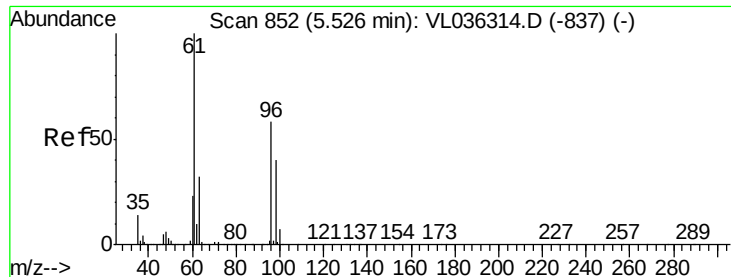
Tot Ion: 83 Resp: 2556082
Ion Ratio Lower Upper
83 100
85 64.8 51.4 77.2



#30
Cyclohexane
Concen: 10.150 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. 0.02 min
Lab File: VL036380.D
Acq: 25 Feb 2021 13:36

Tgt Ion: 84 Resp: 1326926
Ion Ratio Lower Upper
84 100
56 148.4 120.2 180.4
41 96.2 79.7 119.5



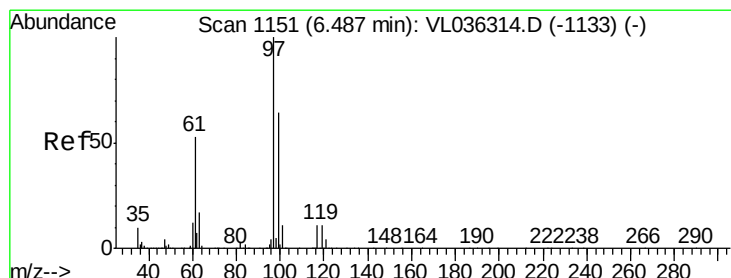
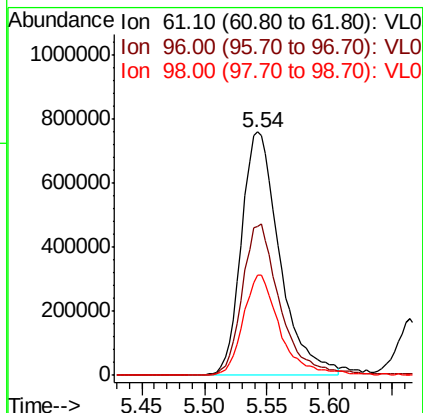
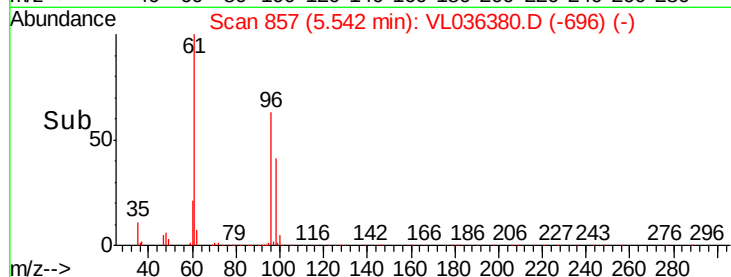
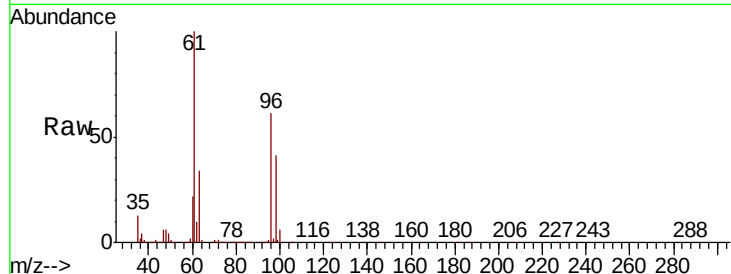


#31

cis-1,2-Dichloroethene
 Concen: 10.381 ppbv
 RT: 5.54 min Scan# 857
 Delta R.T. 0.02 min
 Lab File: VL036380.D
 Acq: 25 Feb 2021 13:36

Instrument :
 MSVOA_L
 ClientSampled :

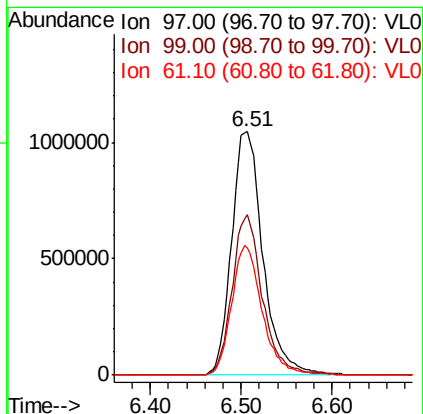
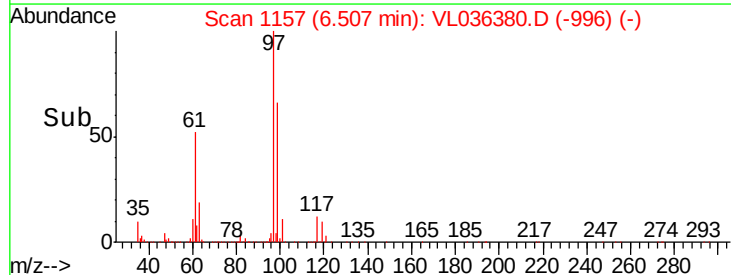
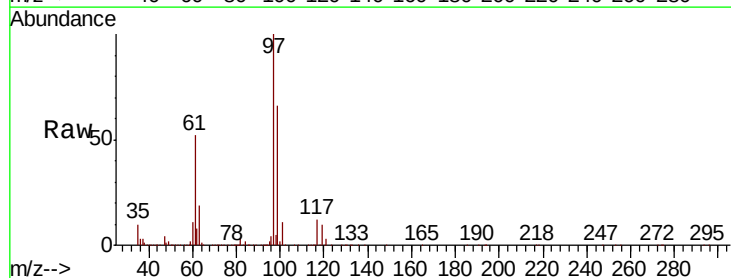
Tot Ion: 61 Resp: 1614683
 Ion Ratio Lower Upper
 61 100
 96 60.9 46.0 69.0
 98 40.9 31.9 47.9

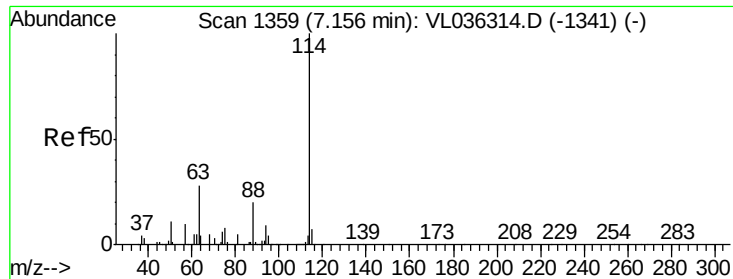


#32

1,1,1-Trichloroethane
 Concen: 10.567 ppbv
 RT: 6.51 min Scan# 1157
 Delta R.T. 0.02 min
 Lab File: VL036380.D
 Acq: 25 Feb 2021 13:36

Tgt Ion: 97 Resp: 2501689
 Ion Ratio Lower Upper
 97 100
 99 64.2 52.2 78.4
 61 52.4 43.3 64.9

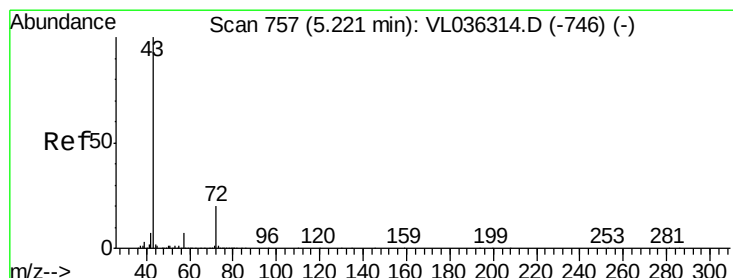
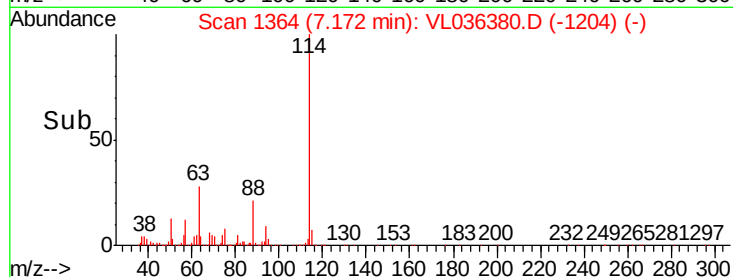
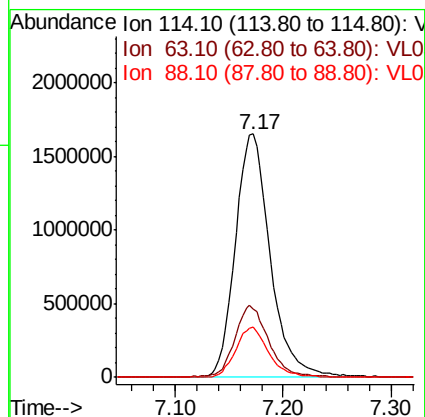
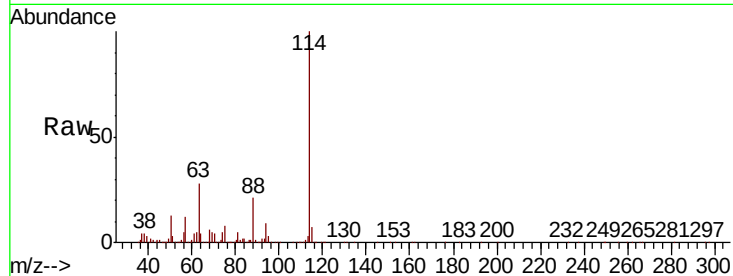




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. 0.02 min
 Lab File: VL036380.D
 Acq: 25 Feb 2021 13:36

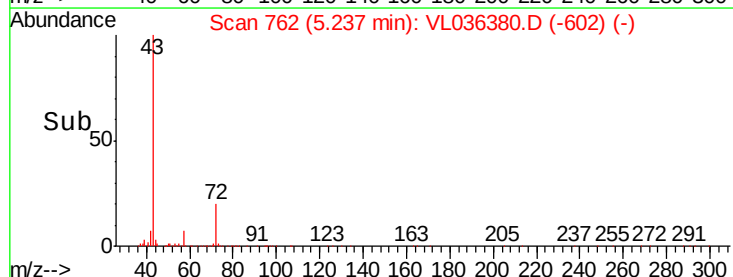
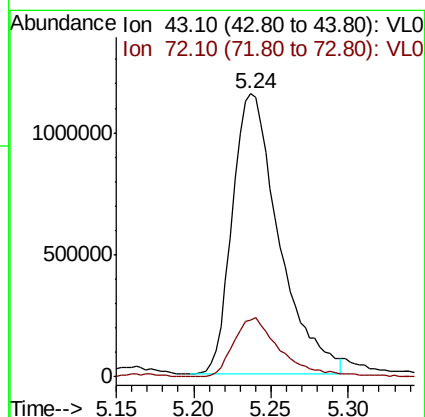
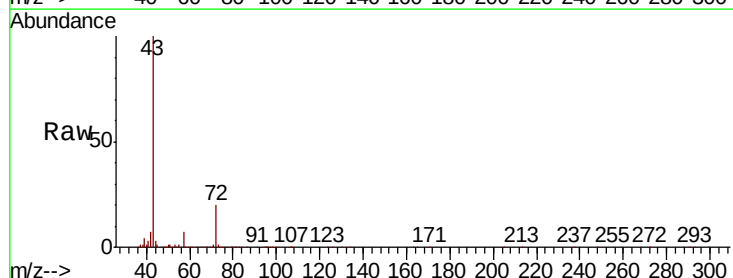
Instrument :
 MSVOA_L
 ClientSampleId :

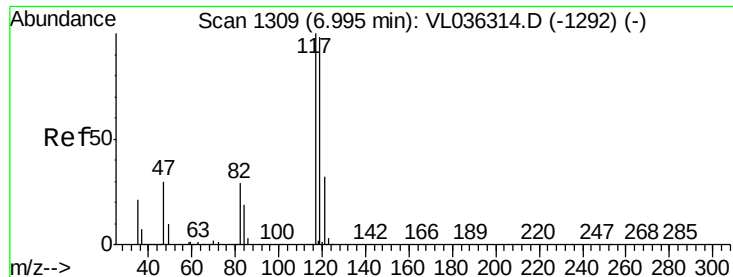
Tot Ion:114 Resp: 3723564
 Ion Ratio Lower Upper
 114 100
 63 29.1 24.1 36.1
 88 19.8 16.0 24.0



#34
 2-Butanone
 Concen: 9.763 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. 0.02 min
 Lab File: VL036380.D
 Acq: 25 Feb 2021 13:36

Tgt Ion: 43 Resp: 2415385
 Ion Ratio Lower Upper
 43 100
 72 20.7 16.7 25.1





#35

Carbon Tetrachloride

Concen: 10.201 ppbv

RT: 7.01 min Scan# 1313

Delta R.T. 0.01 min

Lab File: VL036380.D

Acq: 25 Feb 2021 13:36

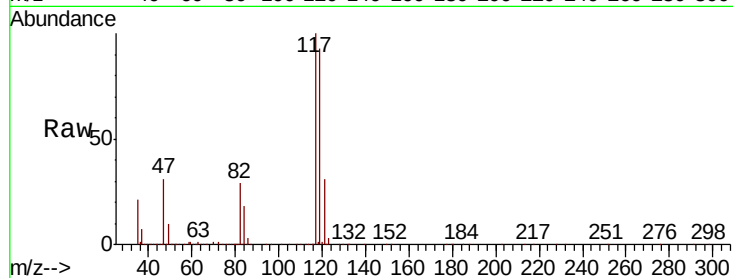
Instrument :

MSVOA_L

ClientSampled :

Tot Ion:117 Resp: 2545692

Ion	Ratio	Lower	Upper
117	100		
119	93.5	78.1	117.1
121	31.0	25.8	38.8

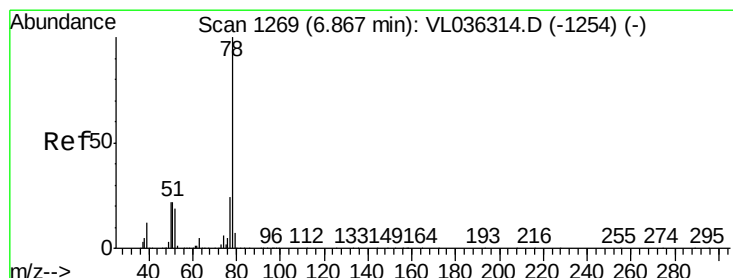
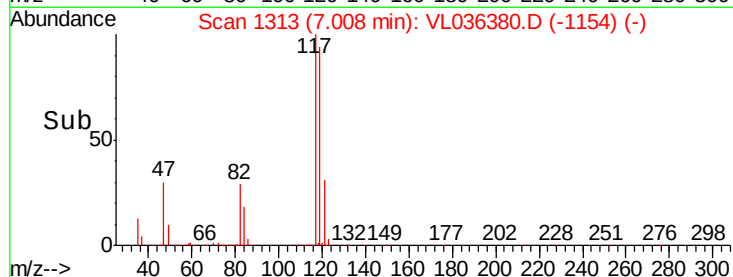
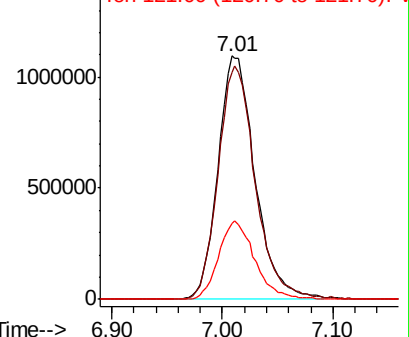


Abundance

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: 10.473 ppbv

RT: 6.89 min Scan# 1275

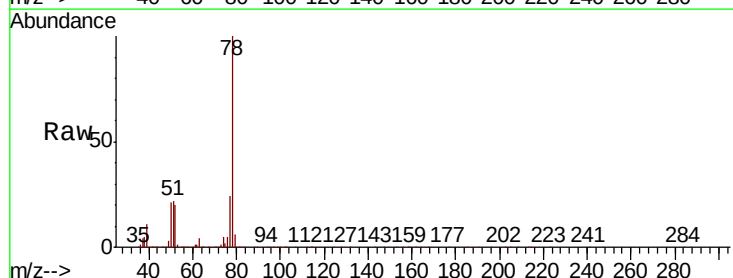
Delta R.T. 0.02 min

Lab File: VL036380.D

Acq: 25 Feb 2021 13:36

Tgt Ion: 78 Resp: 3312608

Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.9	28.3
50	20.6	17.3	25.9

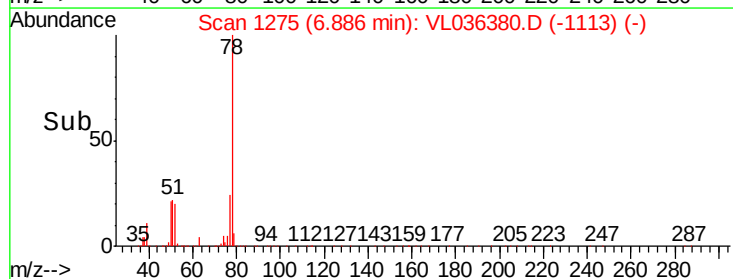
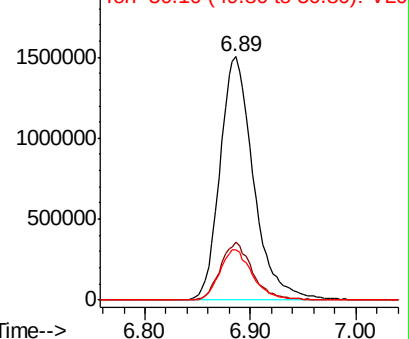


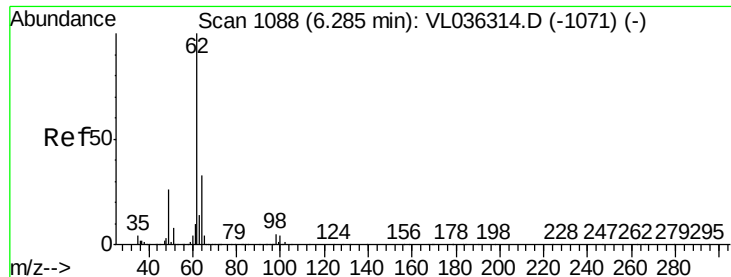
Abundance

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: 10.064 ppbv

RT: 6.30 min Scan# 1093

Delta R.T. 0.02 min

Lab File: VL036380.D

Acq: 25 Feb 2021 13:36

Instrument :

MSVOA_L

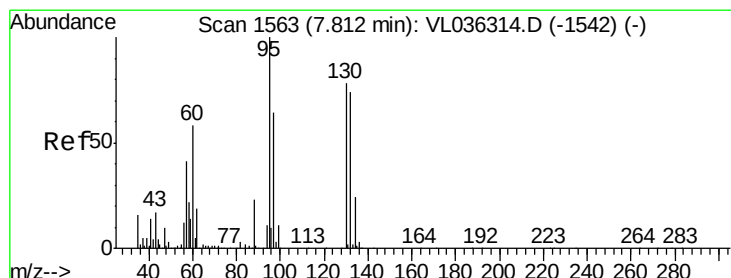
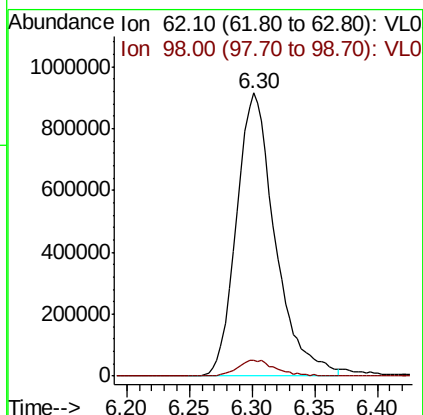
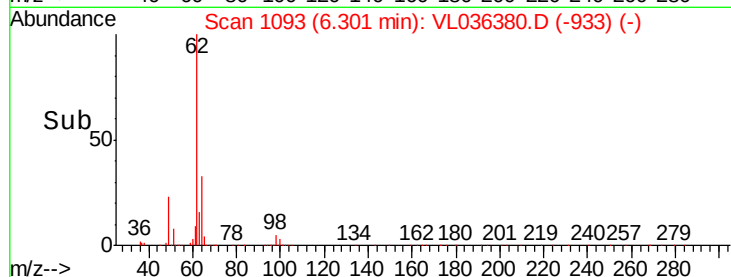
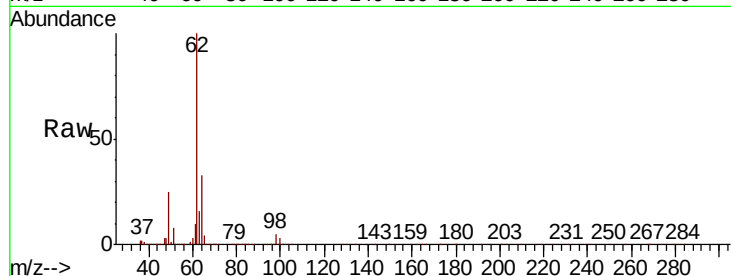
ClientSampleId :

Tot Ion: 62 Resp: 1968242

Ion Ratio Lower Upper

62 100

98 5.7 4.5 6.7



#38

Trichloroethene

Concen: 10.142 ppbv

RT: 7.83 min Scan# 1568

Delta R.T. 0.02 min

Lab File: VL036380.D

Acq: 25 Feb 2021 13:36

Tgt Ion: 130 Resp: 1149196

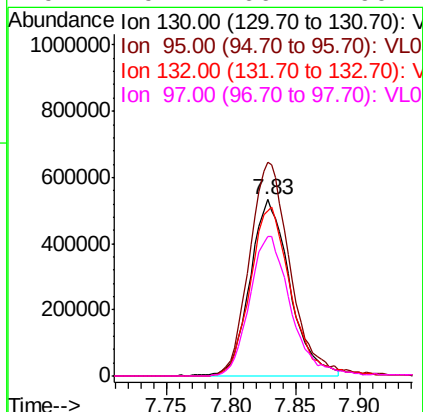
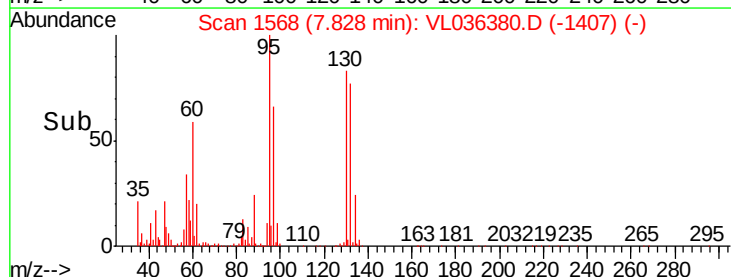
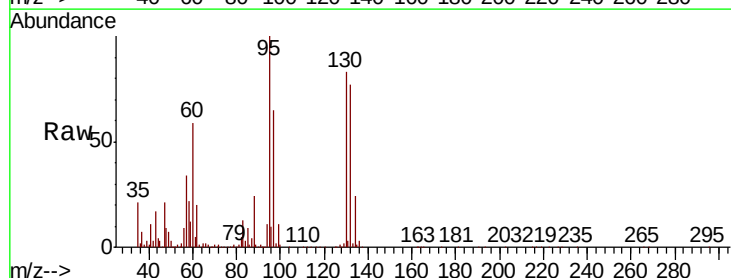
Ion Ratio Lower Upper

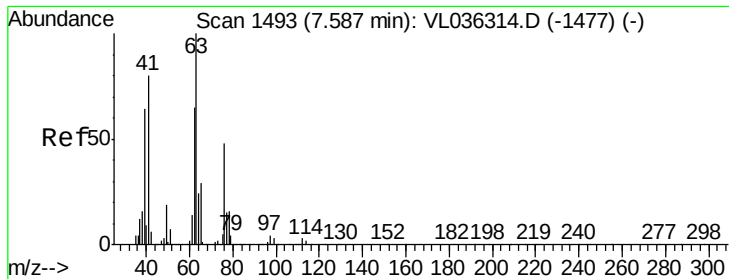
130 100

95 121.0 102.8 154.2

132 93.4 75.7 113.5

97 79.2 66.2 99.2



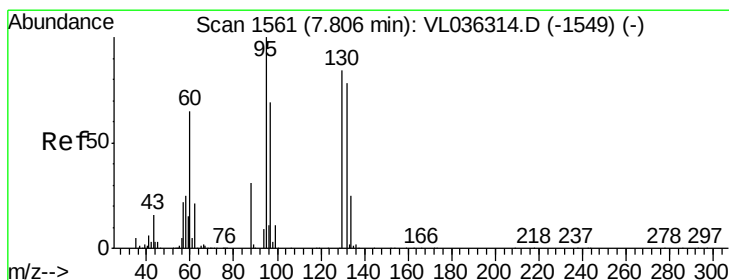
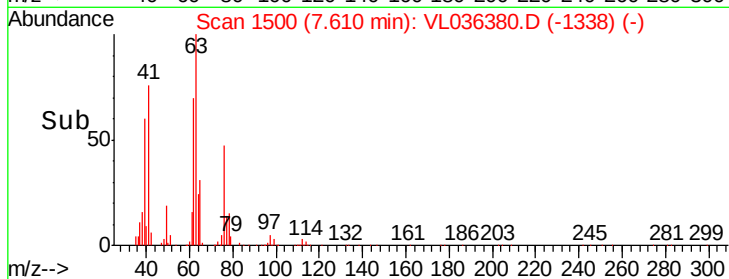
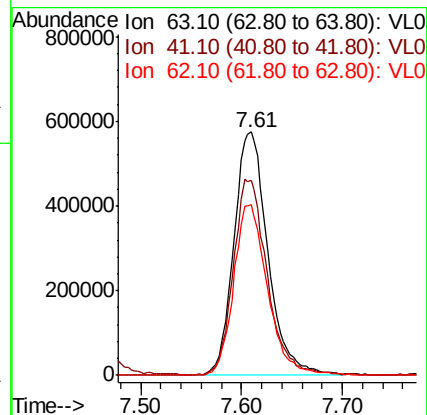
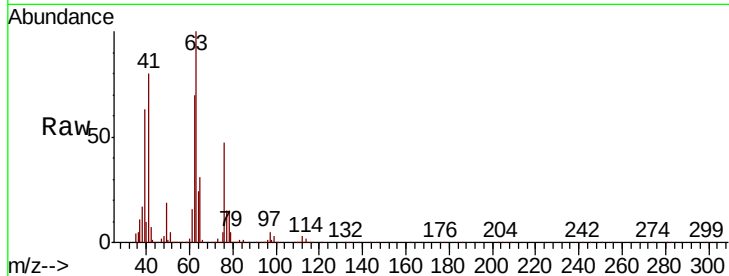


#39
 1,2-Dichloropropane
 Concen: 10.499 ppbv
 RT: 7.61 min Scan# 1500
 Delta R.T. 0.02 min
 Lab File: VL036380.D
 Acq: 25 Feb 2021 13:36

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 63 Resp: 1349067

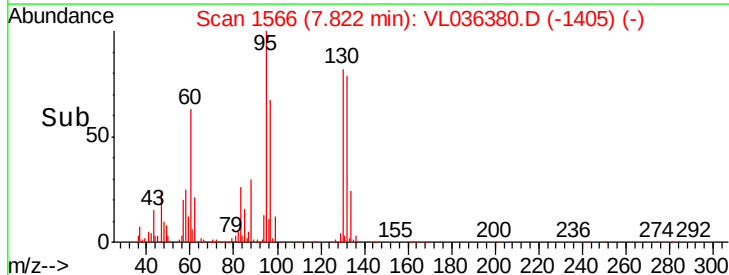
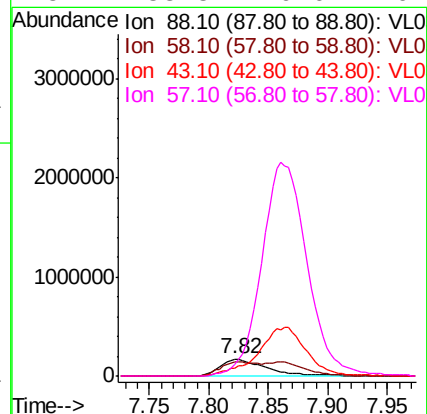
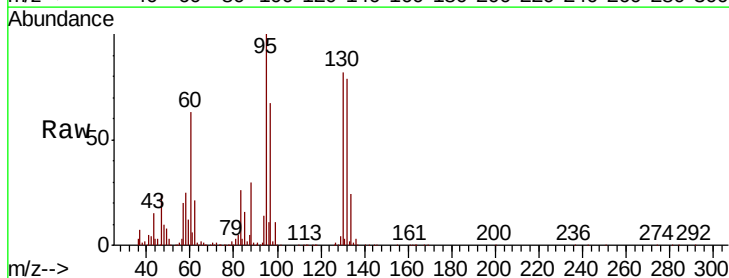
Ion	Ratio	Lower	Upper
63	100		
41	79.9	63.8	95.6
62	69.9	52.3	78.5

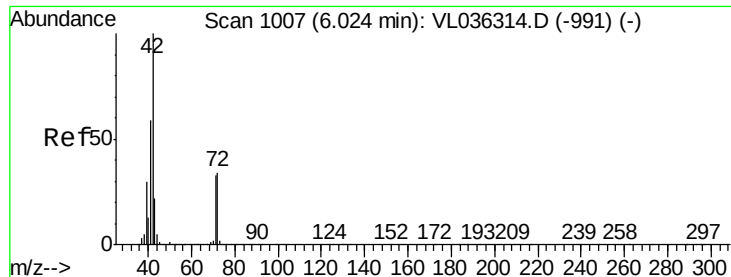


#40
 1,4-Dioxane
 Concen: 9.944 ppbv
 RT: 7.82 min Scan# 1566
 Delta R.T. 0.02 min
 Lab File: VL036380.D
 Acq: 25 Feb 2021 13:36

Tgt Ion: 88 Resp: 442696

Ion	Ratio	Lower	Upper
88	100		
58	142.4	45.0	67.4#
43	311.2	0.0	0.0#
57	1288.3	0.0	0.0#





#41

Tetrahydrofuran

Concen: 10.735 ppbv

RT: 6.04 min Scan# 1012

Delta R.T. 0.02 min

Lab File: VL036380.D

Acq: 25 Feb 2021 13:36

Instrument :

MSVOA_L

ClientSampleId :

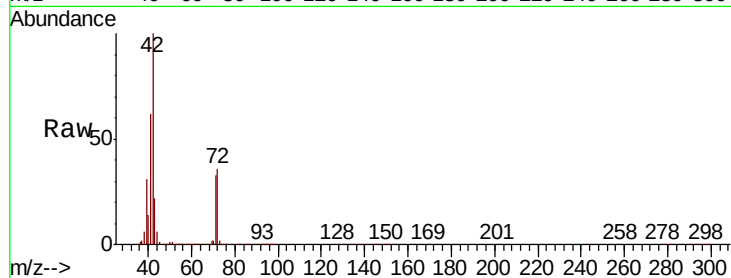
Tot Ion: 42 Resp: 1482031

Ion Ratio Lower Upper

42 100

72 36.0 29.3 43.9

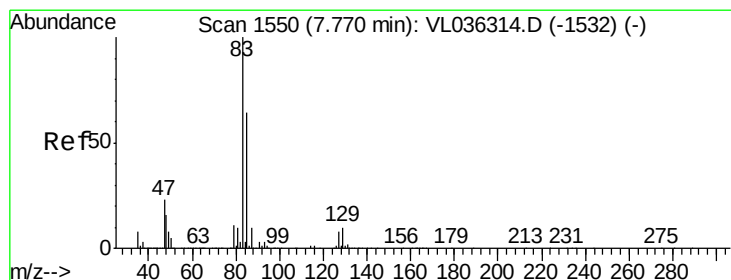
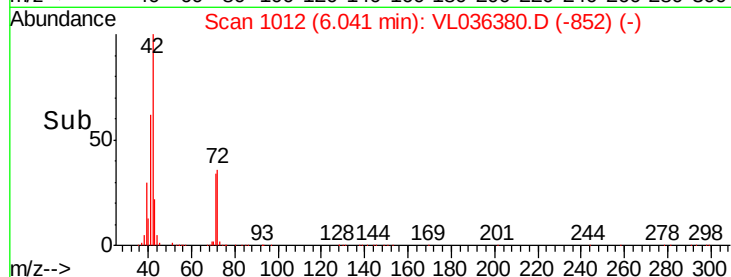
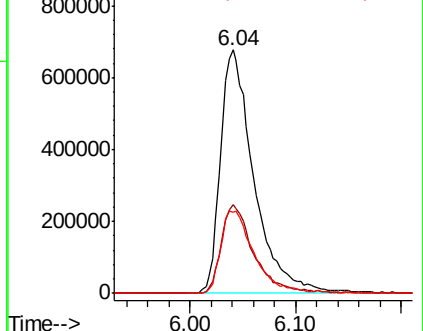
71 34.5 27.8 41.8



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 10.465 ppbv

RT: 7.79 min Scan# 1555

Delta R.T. 0.02 min

Lab File: VL036380.D

Acq: 25 Feb 2021 13:36

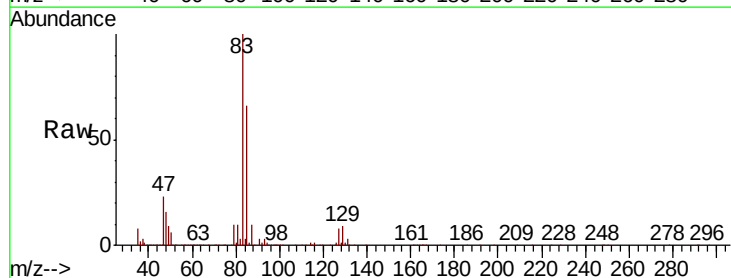
Tgt Ion: 83 Resp: 2740854

Ion Ratio Lower Upper

83 100

85 66.2 51.1 76.7

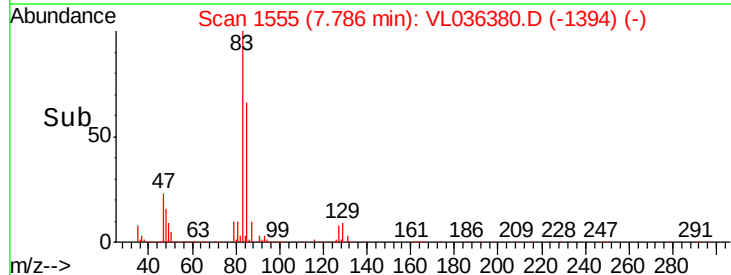
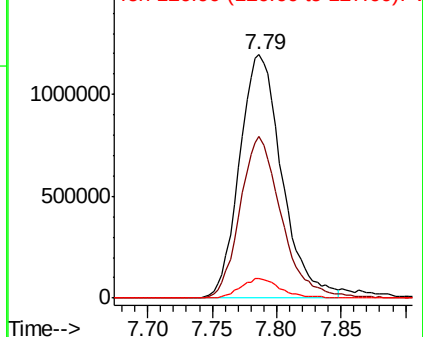
127 7.8 6.3 9.5

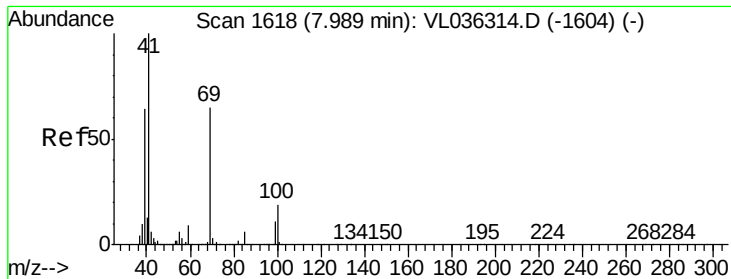


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 11.064 ppbv

RT: 8.01 min Scan# 1624

Delta R.T. 0.02 min

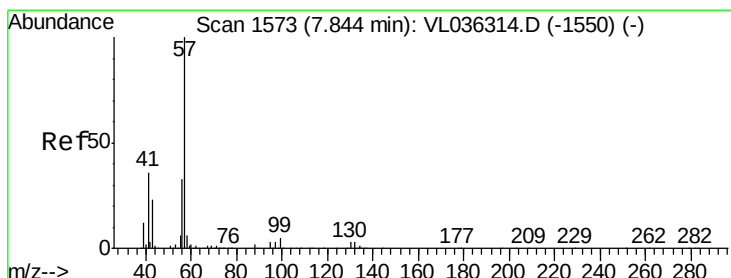
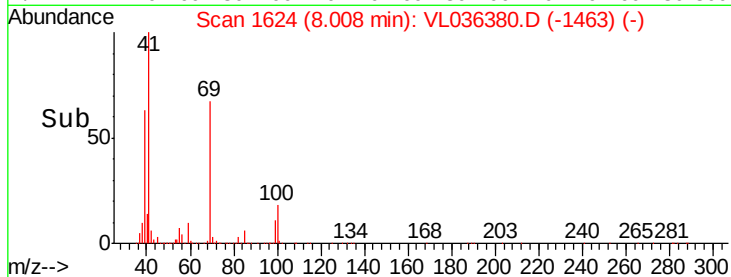
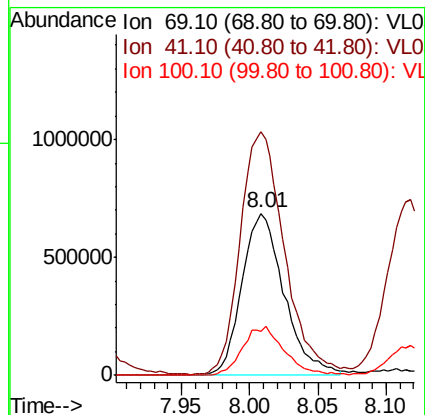
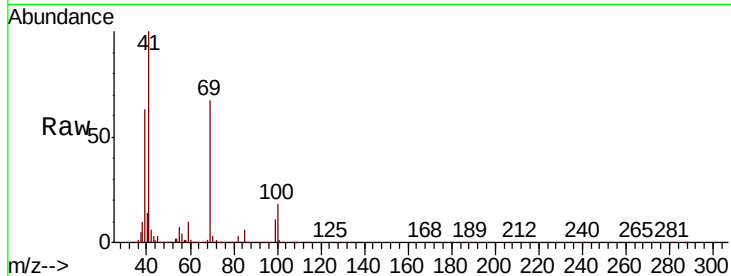
Lab File: VL036380.D

Acq: 25 Feb 2021 13:36

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 69 Resp: 1475869

Ion	Ratio	Lower	Upper
69	100		
41	158.1	126.5	189.7
100	29.6	23.1	34.7



#44

2,2,4-Trimethylpentane

Concen: 9.917 ppbv

RT: 7.86 min Scan# 1578

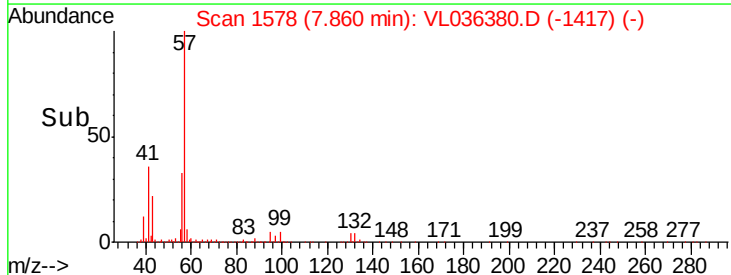
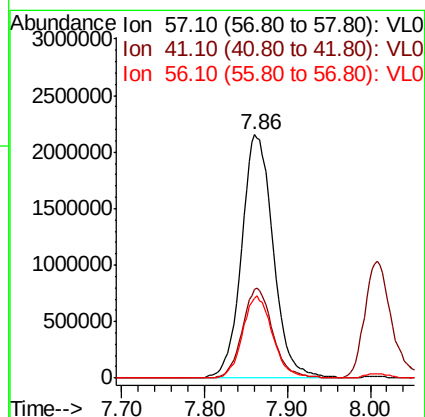
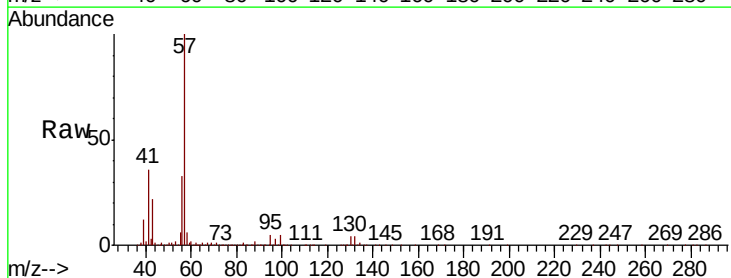
Delta R.T. 0.02 min

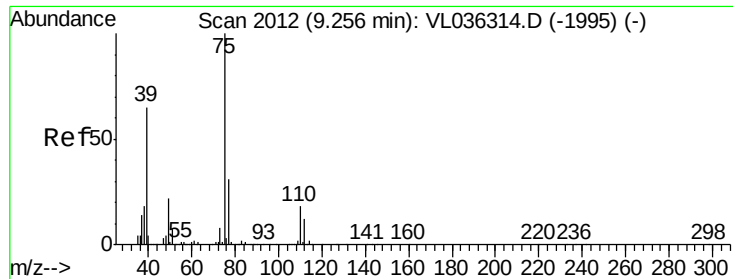
Lab File: VL036380.D

Acq: 25 Feb 2021 13:36

Tgt Ion: 57 Resp: 5703844

Ion	Ratio	Lower	Upper
57	100		
41	35.1	28.8	43.2
56	32.1	25.8	38.6

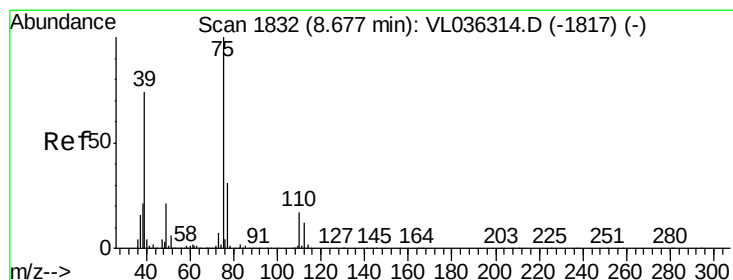
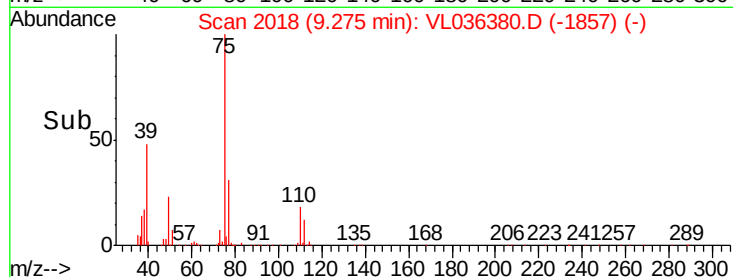
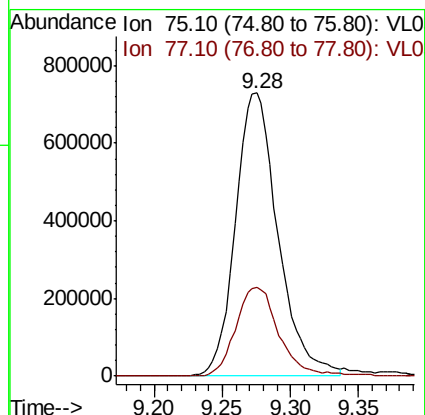
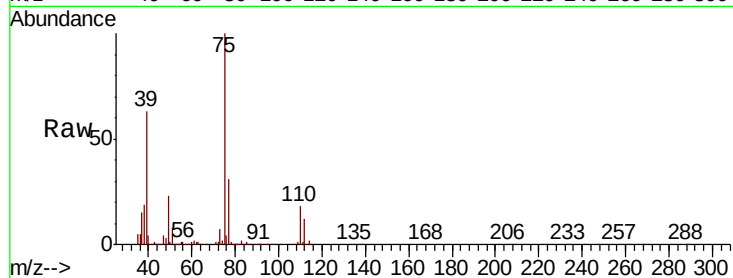




#45
t-1,3-Dichloropropene
Concen: 12.219 ppbv
RT: 9.28 min Scan# 2018
Delta R.T. 0.02 min
Lab File: VL036380.D
Acq: 25 Feb 2021 13:36

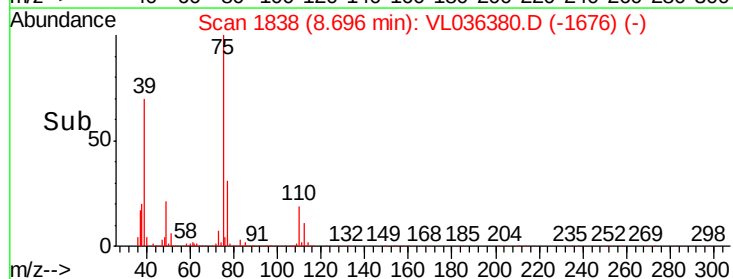
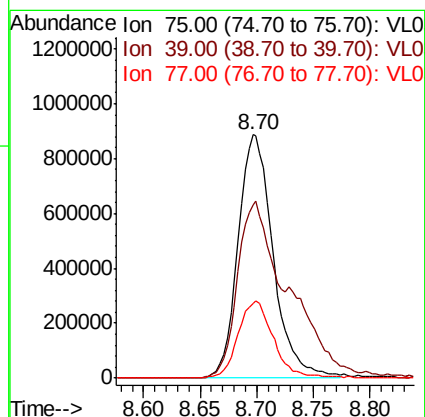
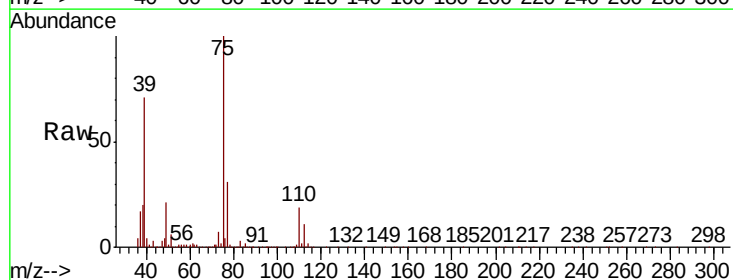
Instrument :
MSVOA_L
ClientSampleId :

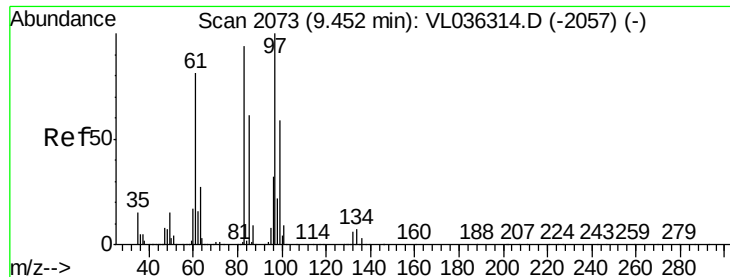
Tot Ion: 75 Resp: 1572375
Ion Ratio Lower Upper
75 100
77 31.3 24.6 37.0



#46
cis-1,3-Dichloropropene
Concen: 11.708 ppbv
RT: 8.70 min Scan# 1838
Delta R.T. 0.02 min
Lab File: VL036380.D
Acq: 25 Feb 2021 13:36

Tgt Ion: 75 Resp: 1913762
Ion Ratio Lower Upper
75 100
39 71.1 59.2 88.8
77 30.6 25.0 37.6

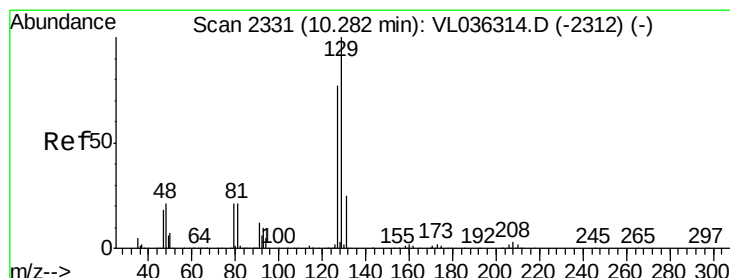
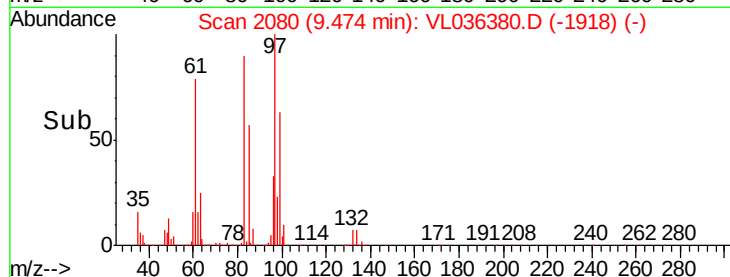
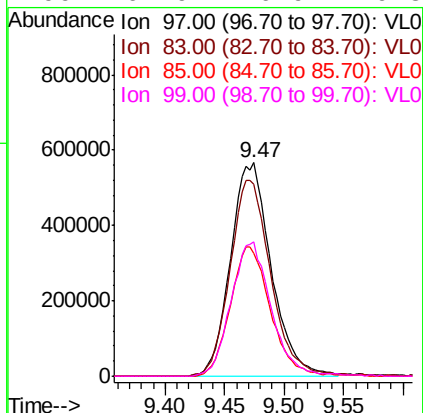
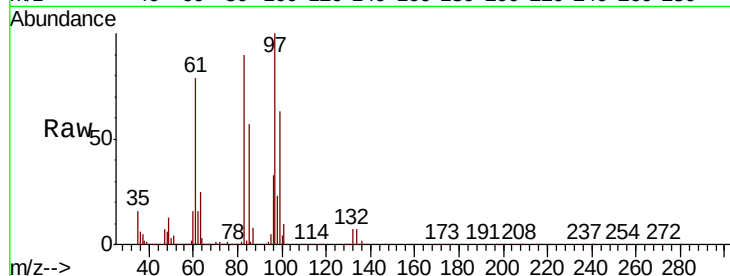




#47
 1,1,2-Trichloroethane
 Concen: 10.200 ppbv
 RT: 9.47 min Scan# 2080
 Delta R.T. 0.02 min
 Lab File: VL036380.D
 Acq: 25 Feb 2021 13:36

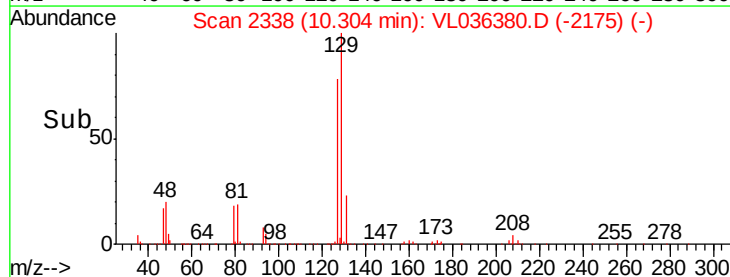
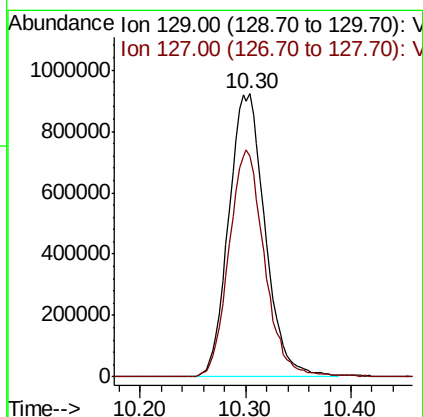
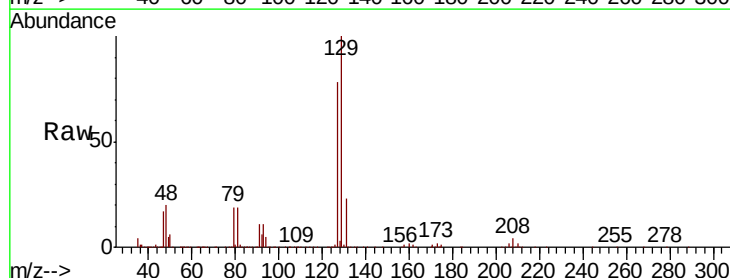
Instrument :
 MSVOA_L
 ClientSampleId :

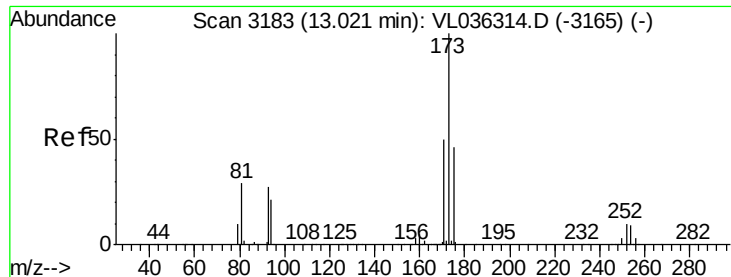
Tot Ion: 97 Resp: 1341300
 Ion Ratio Lower Upper
 97 100
 83 89.6 75.4 113.0
 85 57.2 48.9 73.3
 99 62.9 46.9 70.3



#48
 Dibromochloromethane
 Concen: 11.220 ppbv
 RT: 10.30 min Scan# 2338
 Delta R.T. 0.02 min
 Lab File: VL036380.D
 Acq: 25 Feb 2021 13:36

Tgt Ion: 129 Resp: 2201507
 Ion Ratio Lower Upper
 129 100
 127 78.7 39.1 117.2





#49

Bromoform

Concen: 11.616 ppbv

RT: 13.04 min Scan# 3188

Delta R.T. 0.02 min

Lab File: VL036380.D

Acq: 25 Feb 2021 13:36

Instrument :

MSVOA_L

ClientSampleId :

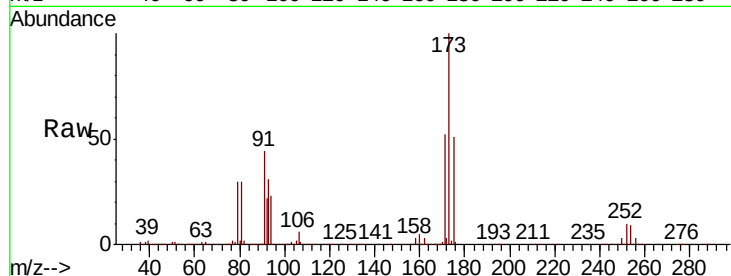
Tot Ion:173 Resp: 1842616

Ion Ratio Lower Upper

173 100

175 51.0 40.2 60.2

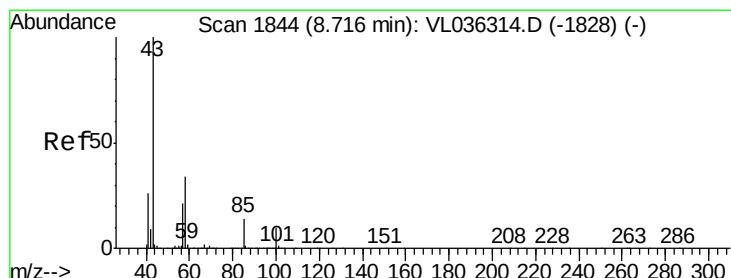
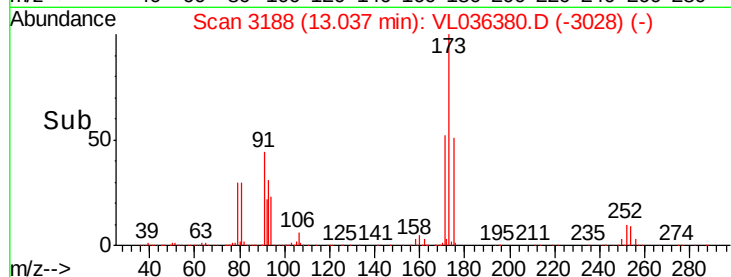
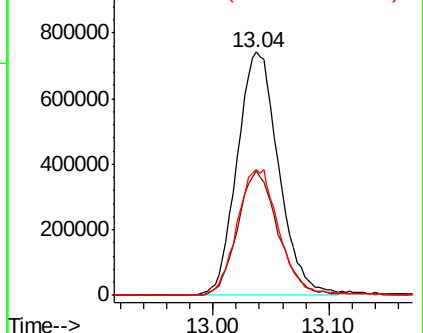
171 53.0 43.4 65.2



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.434 ppbv

RT: 8.73 min Scan# 1850

Delta R.T. 0.02 min

Lab File: VL036380.D

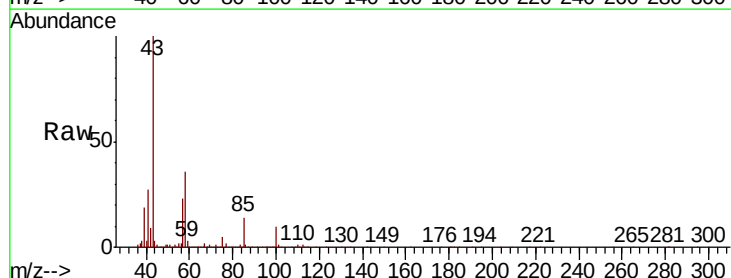
Acq: 25 Feb 2021 13:36

Tgt Ion: 43 Resp: 3832009

Ion Ratio Lower Upper

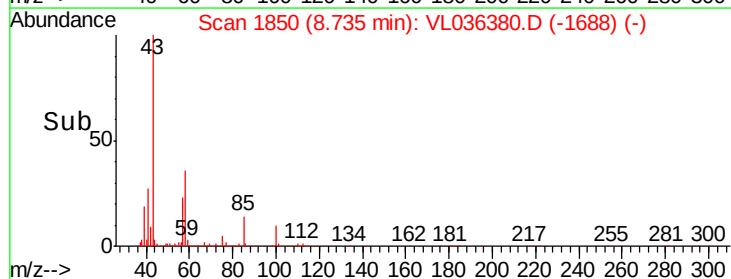
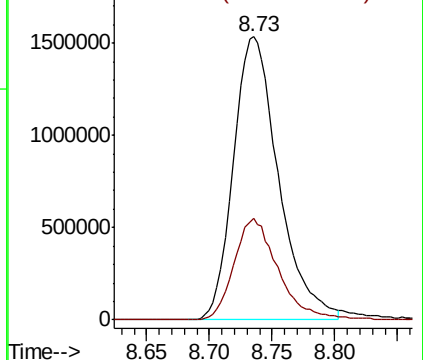
43 100

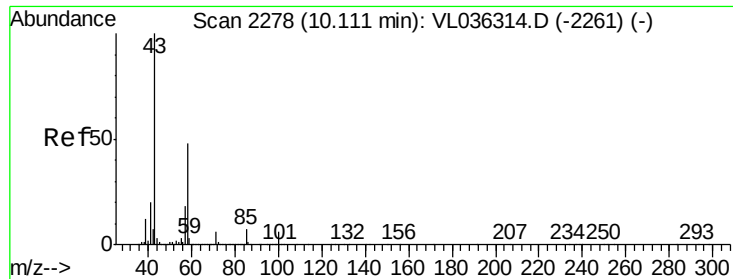
58 35.4 27.8 41.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

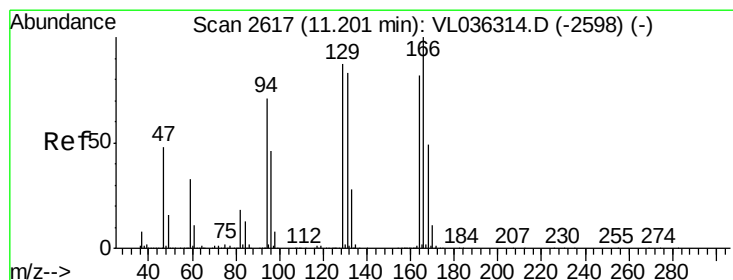
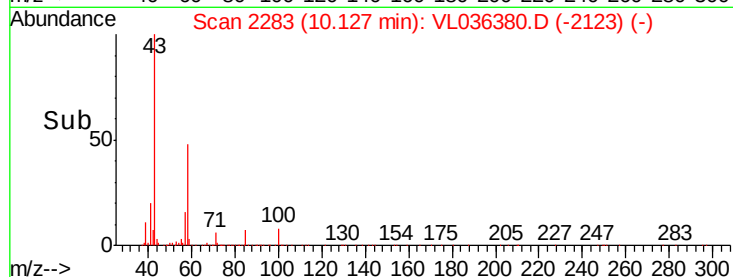
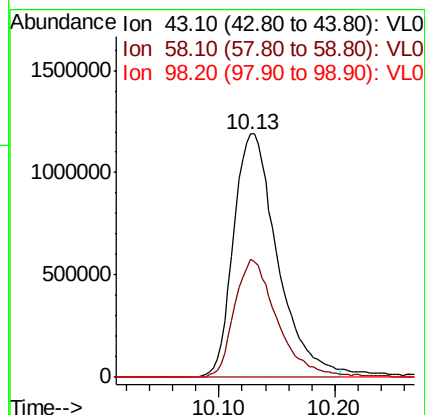
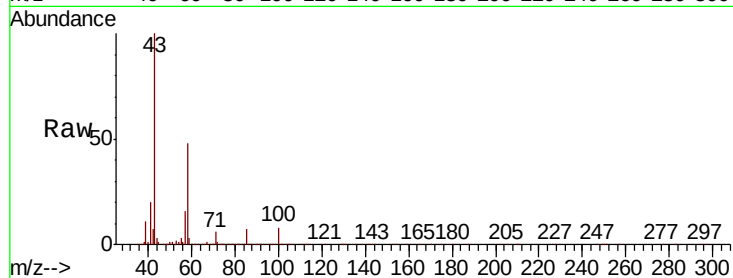




#51
2-Hexanone
Concen: 11.219 ppbv
RT: 10.13 min Scan# 2283
Delta R.T. 0.02 min
Lab File: VL036380.D
Acq: 25 Feb 2021 13:36

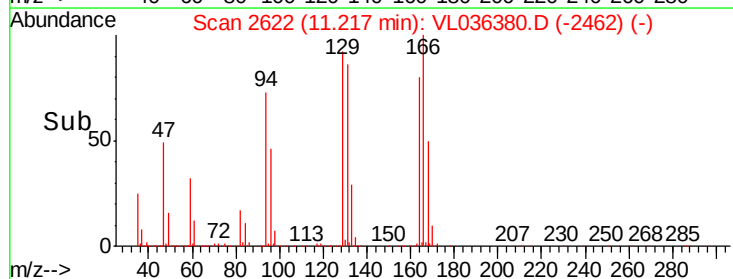
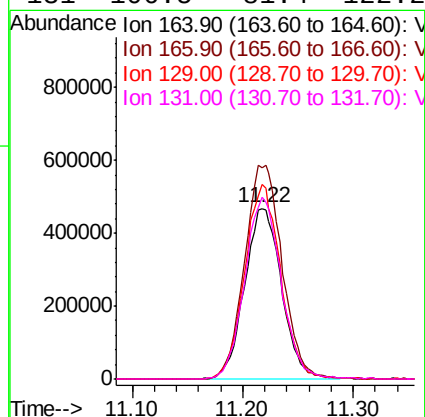
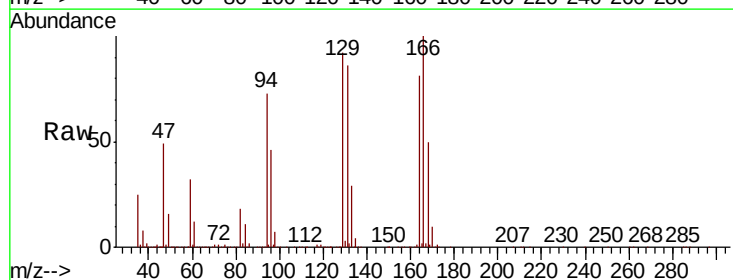
Instrument :
MSVOA_L
ClientSampleId :

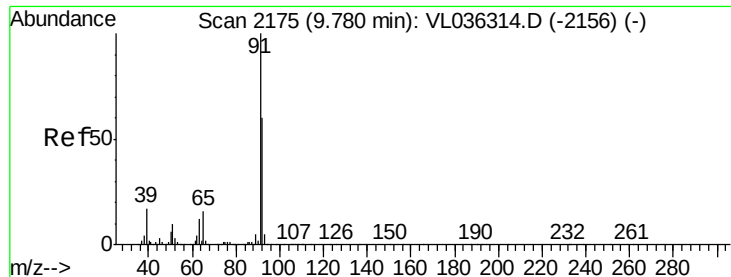
Tot Ion: 43 Resp: 3131010
Ion Ratio Lower Upper
43 100
58 47.8 38.7 58.1
98 0.2 0.4 0.6#



#52
Tetrachloroethene
Concen: 9.374 ppbv
RT: 11.22 min Scan# 2622
Delta R.T. 0.02 min
Lab File: VL036380.D
Acq: 25 Feb 2021 13:36

Tgt Ion:164 Resp: 1085422
Ion Ratio Lower Upper
164 100
166 124.2 97.8 146.8
129 114.2 84.9 127.3
131 106.5 81.4 122.2





#53

Toluene

Concen: 10.797 ppbv

RT: 9.80 min Scan# 2181

Delta R.T. 0.02 min

Lab File: VL036380.D

Acq: 25 Feb 2021 13:36

Instrument :

MSVOA_L

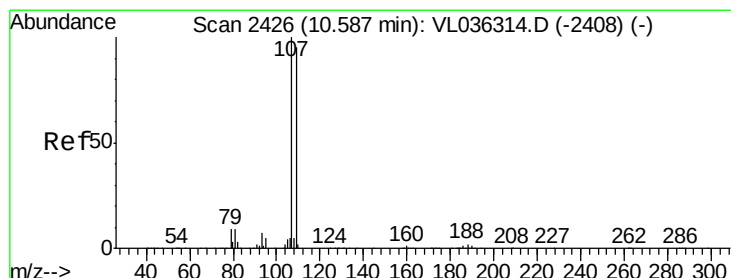
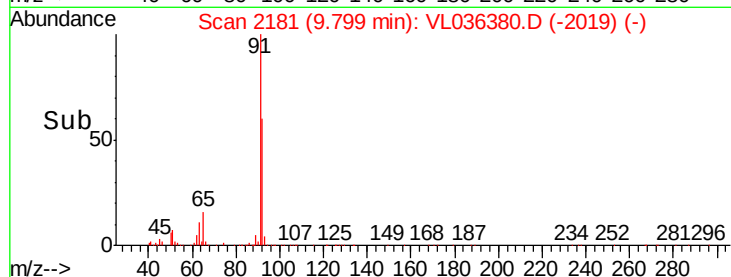
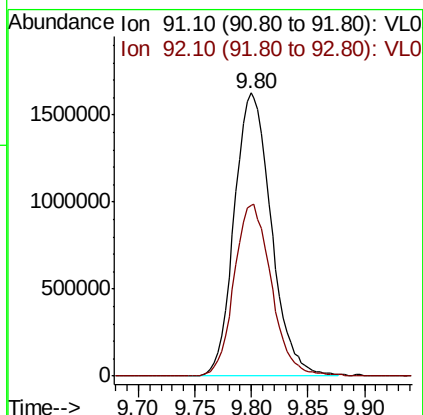
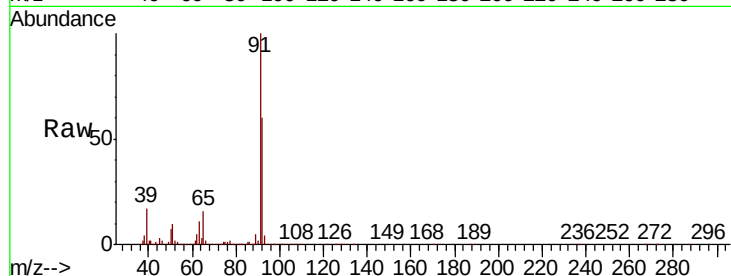
ClientSampleId :

Tot Ion: 91 Resp: 3699070

Ion Ratio Lower Upper

91 100

92 61.4 48.6 72.8



#54

1,2-Dibromoethane

Concen: 10.448 ppbv

RT: 10.61 min Scan# 2432

Delta R.T. 0.02 min

Lab File: VL036380.D

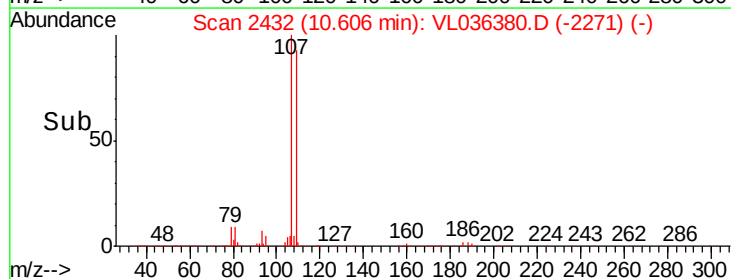
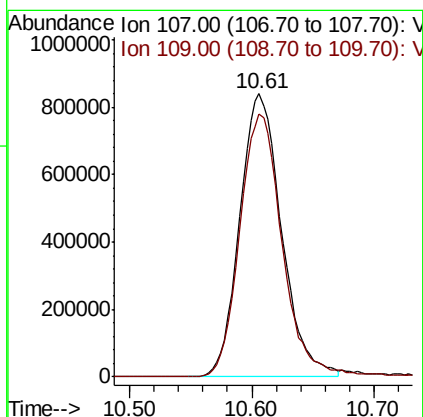
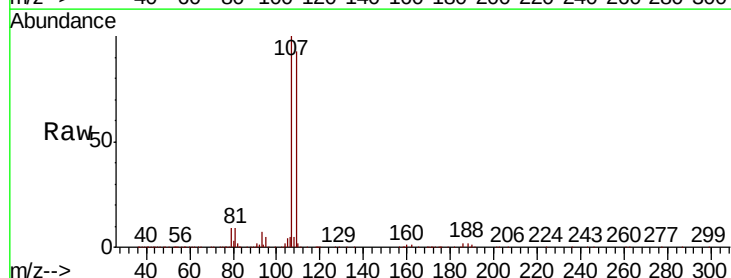
Acq: 25 Feb 2021 13:36

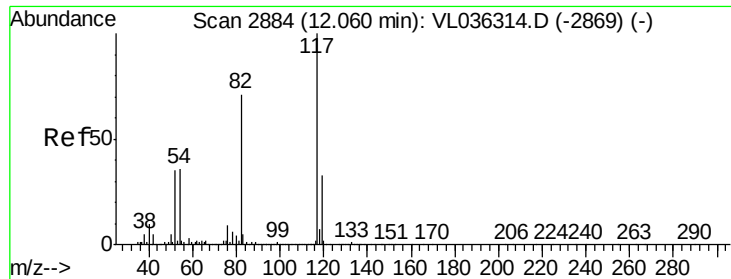
Tgt Ion: 107 Resp: 1985442

Ion Ratio Lower Upper

107 100

109 92.7 76.0 114.0

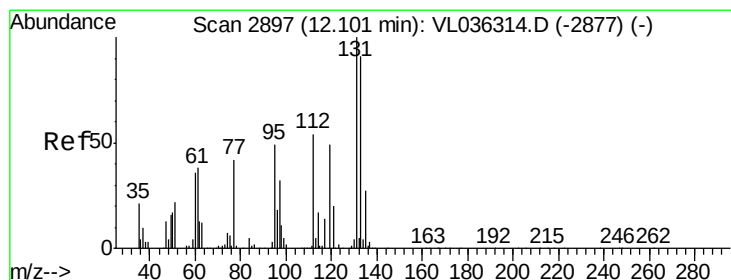
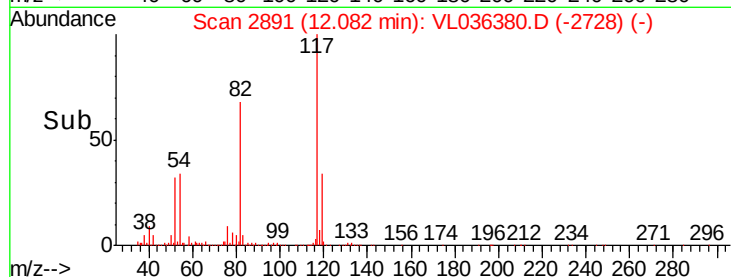
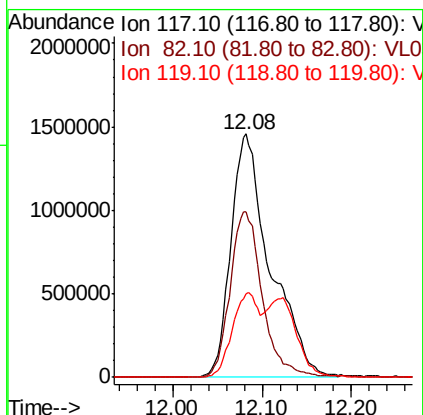
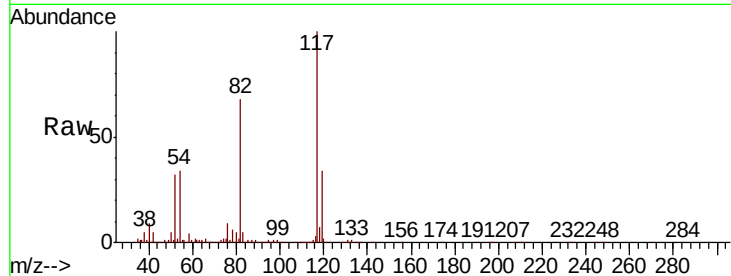




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2891
Delta R.T. 0.02 min
Lab File: VL036380.D
Acq: 25 Feb 2021 13:36

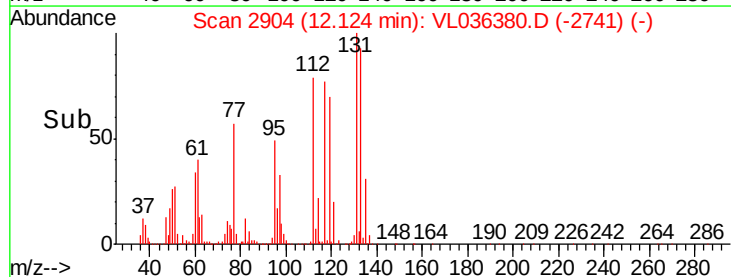
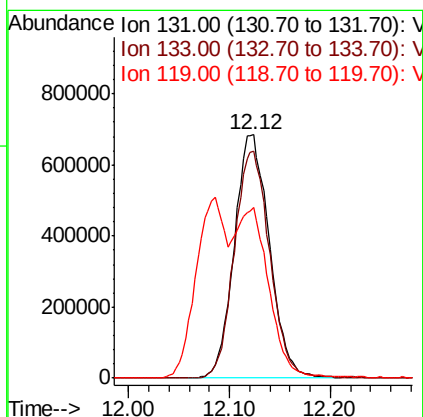
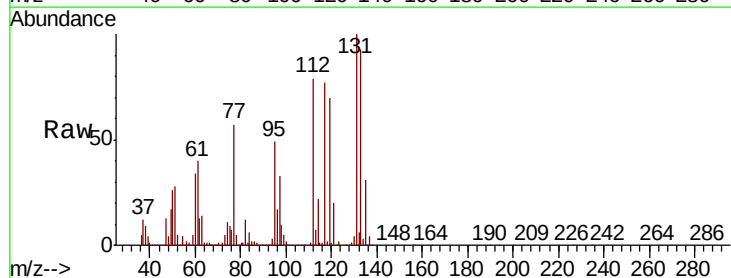
Instrument :
MSVOA_L
ClientSampleId :

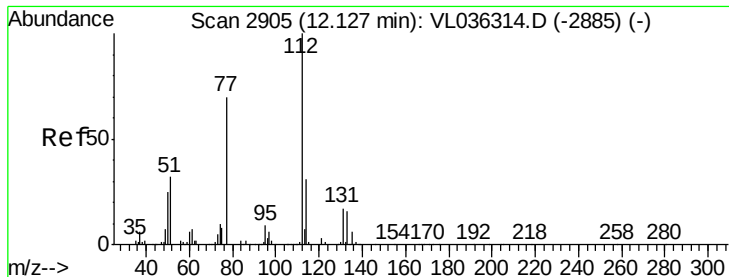
Tot Ion:117 Resp: 4463975
Ion Ratio Lower Upper
117 100
82 55.6 59.1 88.7#
119 22.9 46.3 69.5#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.066 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. 0.02 min
Lab File: VL036380.D
Acq: 25 Feb 2021 13:36

Tgt Ion:131 Resp: 1656242
Ion Ratio Lower Upper
131 100
133 94.6 76.0 114.0
119 61.1 115.1 172.7#





#57

Chlorobenzene

Concen: 7.769 ppbv

RT: 12.14 min Scan# 2910

Delta R.T. 0.02 min

Lab File: VL036380.D

Acq: 25 Feb 2021 13:36

Instrument :

MSVOA_L

ClientSampleId :

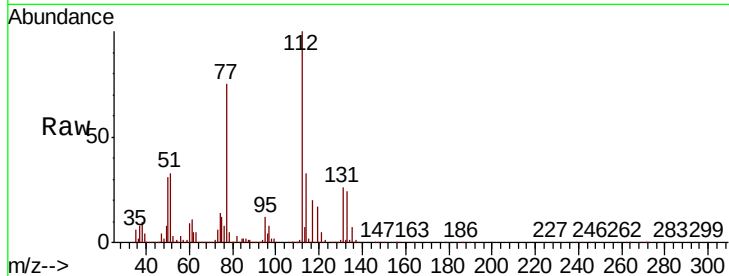
Tot Ion:112 Resp: 2679475

Ion Ratio Lower Upper

112 100

77 74.2 56.1 84.1

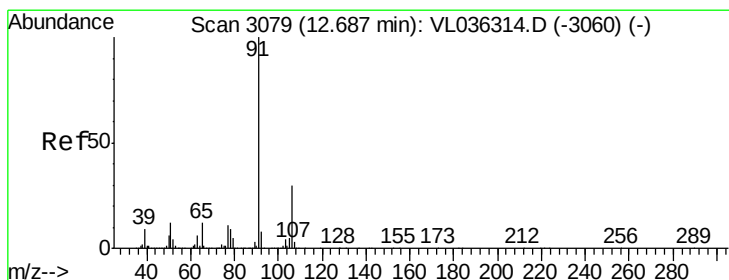
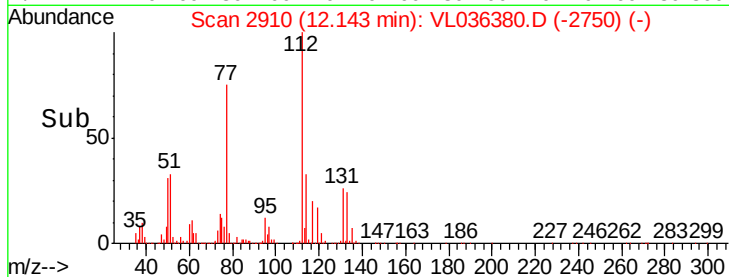
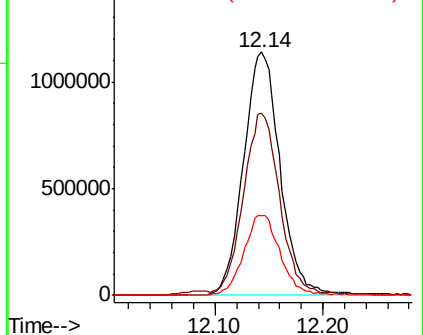
114 33.0 28.3 34.5



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 8.262 ppbv

RT: 12.71 min Scan# 3085

Delta R.T. 0.02 min

Lab File: VL036380.D

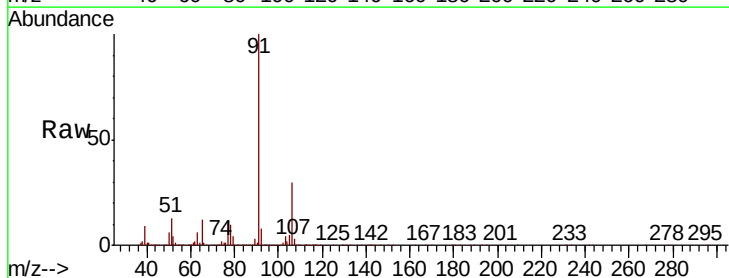
Acq: 25 Feb 2021 13:36

Tgt Ion: 91 Resp: 5050425

Ion Ratio Lower Upper

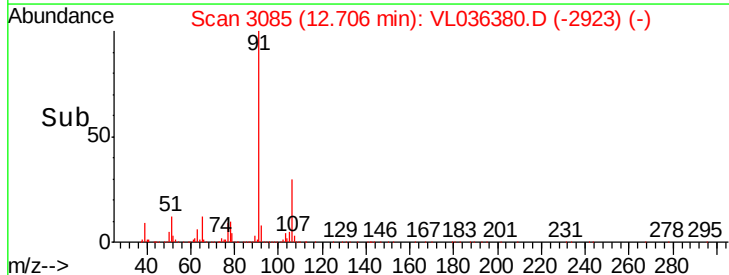
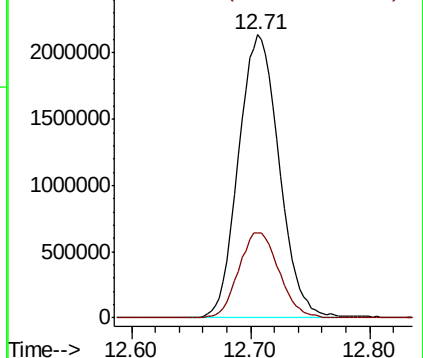
91 100

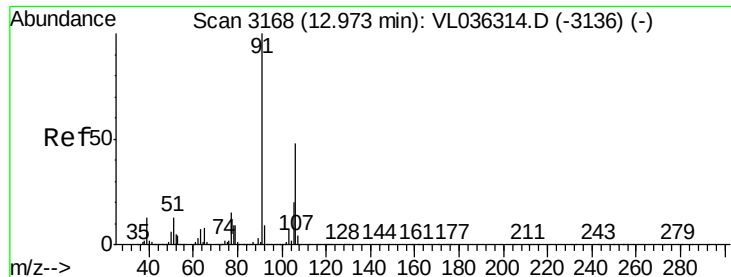
106 30.1 23.8 35.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 8.141 ppbv

RT: 12.99 min Scan# 3174

Delta R.T. 0.02 min

Lab File: VL036380.D

Acq: 25 Feb 2021 13:36

Instrument :

MSVOA_L

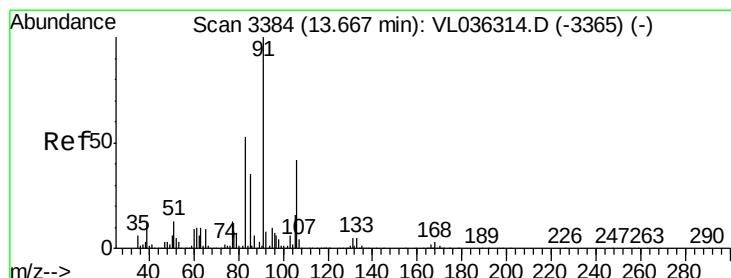
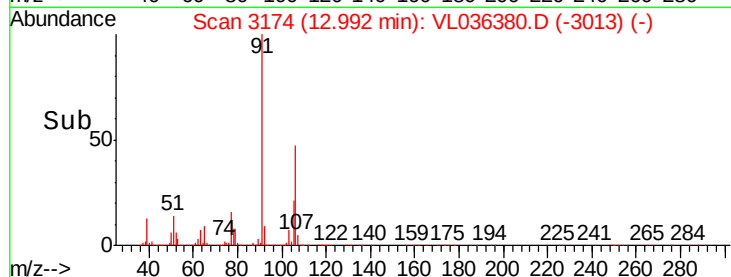
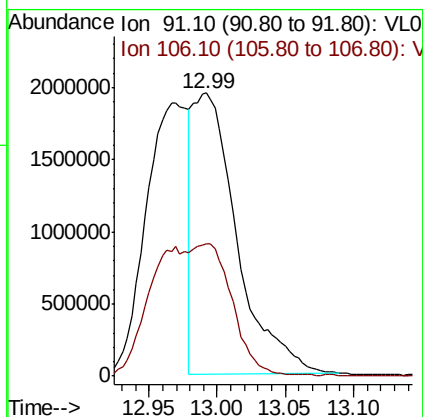
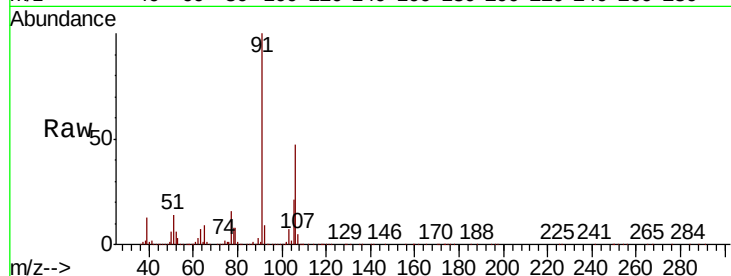
ClientSampled :

Tot Ion: 91 Resp: 4370840

Ion Ratio Lower Upper

91 100

106 85.2 34.2 51.2#



#60

o-Xylene

Concen: 7.956 ppbv

RT: 13.69 min Scan# 3391

Delta R.T. 0.02 min

Lab File: VL036380.D

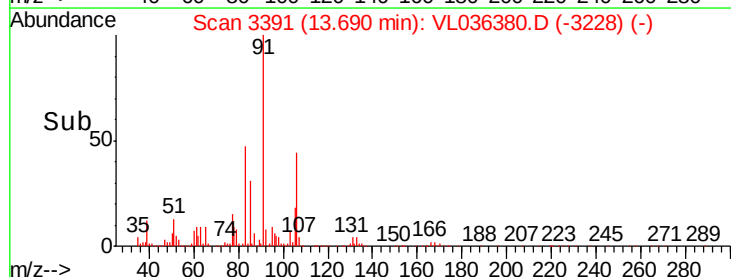
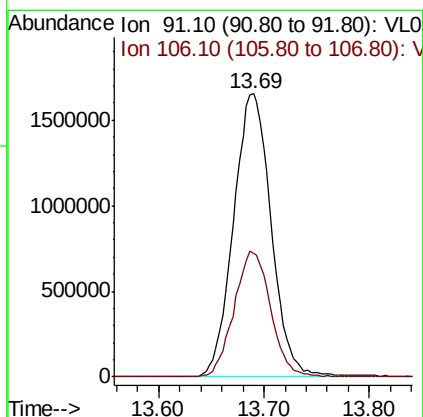
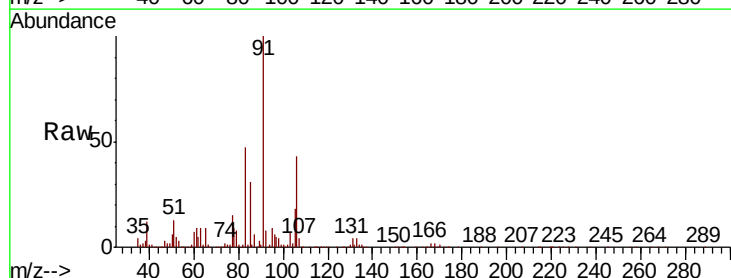
Acq: 25 Feb 2021 13:36

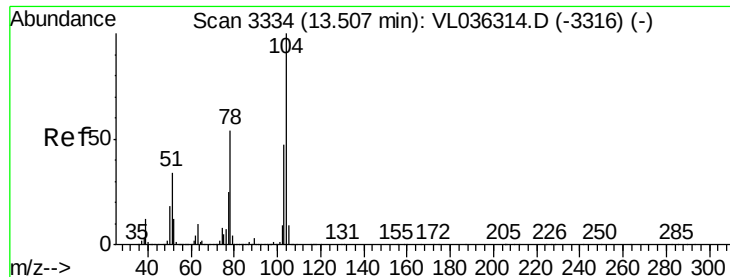
Tgt Ion: 91 Resp: 4084130

Ion Ratio Lower Upper

91 100

106 43.4 22.0 66.0

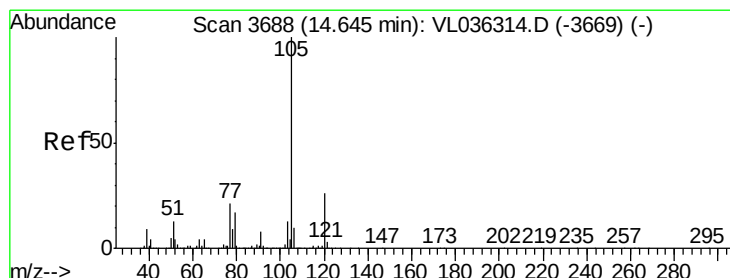
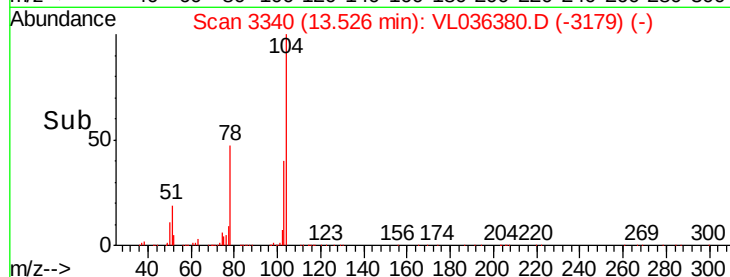
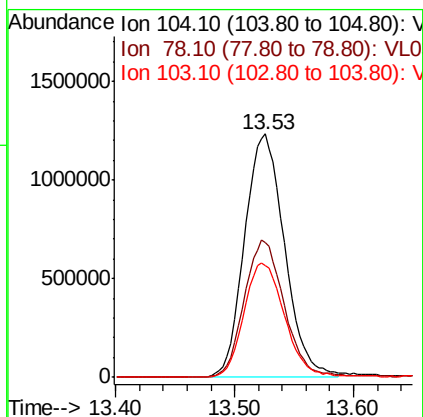
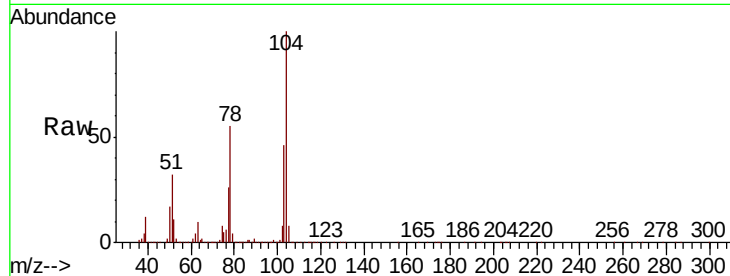




#61
Stvrene
Concen: 9.038 ppbv
RT: 13.53 min Scan# 3340
Delta R.T. 0.02 min
Lab File: VL036380.D
Acq: 25 Feb 2021 13:36

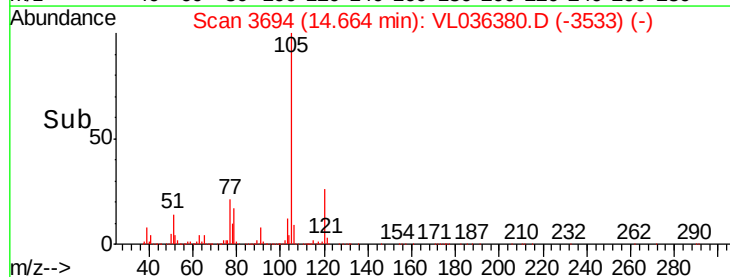
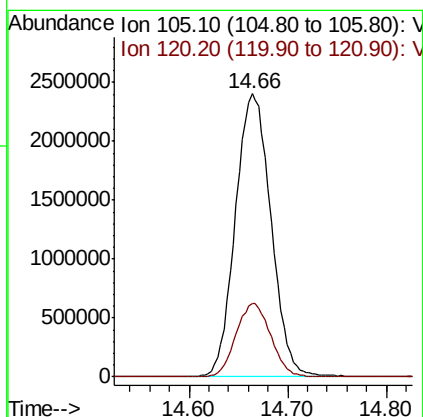
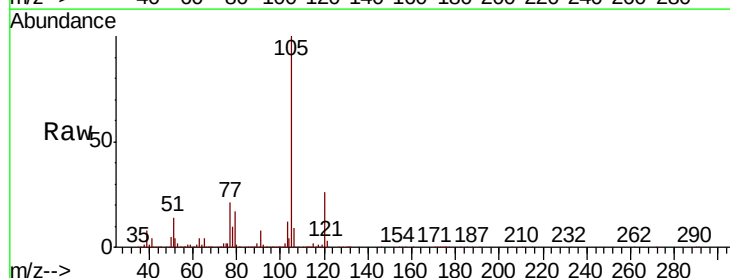
Instrument :
MSVOA_L
ClientSampleId :

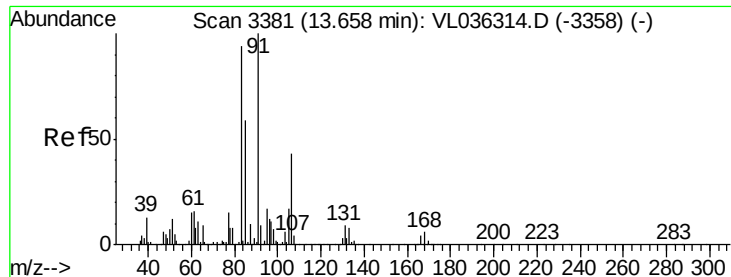
Tot Ion:104 Resp: 2875420
Ion Ratio Lower Upper
104 100
78 56.7 46.2 69.2
103 48.3 38.3 57.5



#62
Isopropylbenzene
Concen: 7.815 ppbv
RT: 14.66 min Scan# 3694
Delta R.T. 0.02 min
Lab File: VL036380.D
Acq: 25 Feb 2021 13:36

Tgt Ion:105 Resp: 6013467
Ion Ratio Lower Upper
105 100
120 25.5 20.6 30.8





#63

1,1,2,2-Tetrachloroethane

Concen: 7.285 ppbv

RT: 13.67 min Scan# 3386

Delta R.T. 0.02 min

Lab File: VL036380.D

Acq: 25 Feb 2021 13:36

Instrument :

MSVOA_L

ClientSampleId :

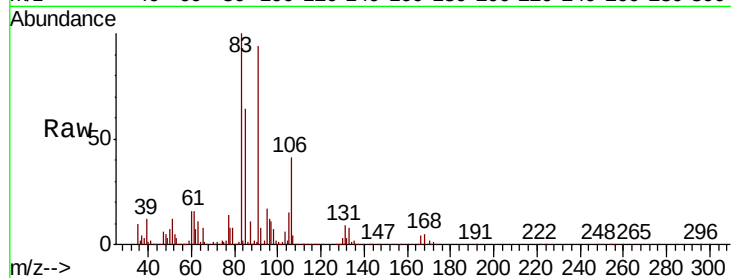
Tot Ion: 83 Resp: 2950801

Ion Ratio Lower Upper

83 100

131 8.9 4.7 14.0

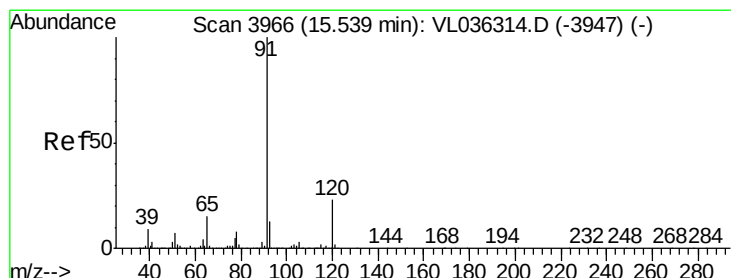
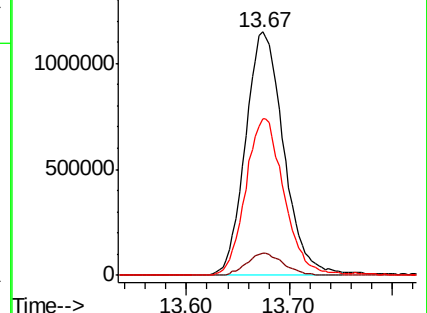
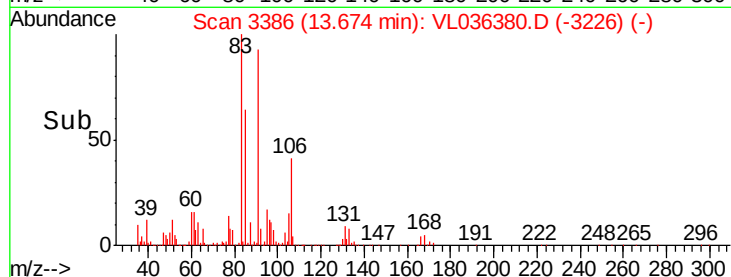
85 65.6 33.0 98.9



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 8.324 ppbv

RT: 15.56 min Scan# 3973

Delta R.T. 0.02 min

Lab File: VL036380.D

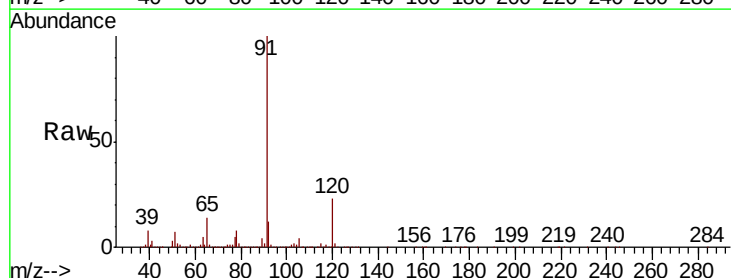
Acq: 25 Feb 2021 13:36

Tgt Ion:120 Resp: 1576365

Ion Ratio Lower Upper

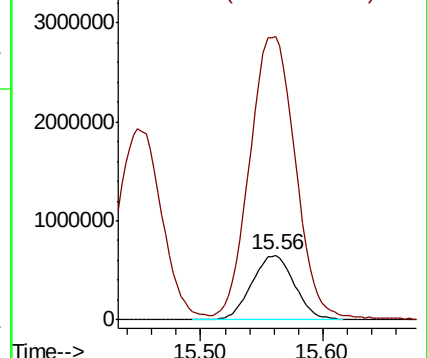
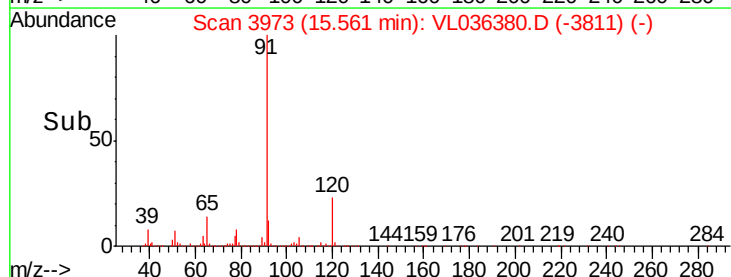
120 100

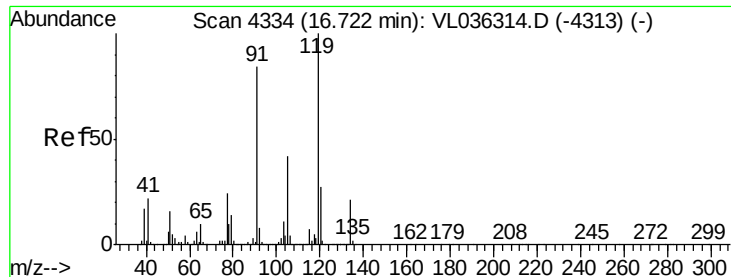
91 472.4 387.2 580.8



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 7.771 ppbv

RT: 16.74 min Scan# 4341

Delta R.T. 0.02 min

Lab File: VL036380.D

Acq: 25 Feb 2021 13:36

Instrument :

MSVOA_L

ClientSampled :

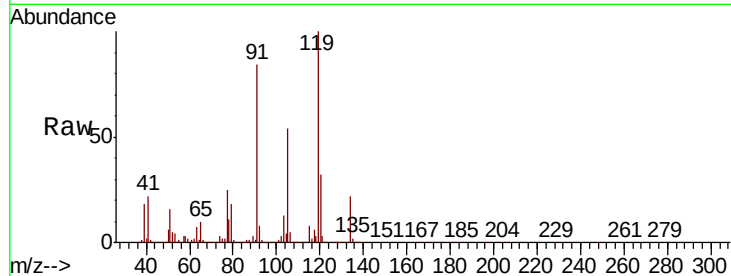
Tot Ion:119 Resp: 5116138

Ion Ratio Lower Upper

119 100

91 86.4 70.5 105.7

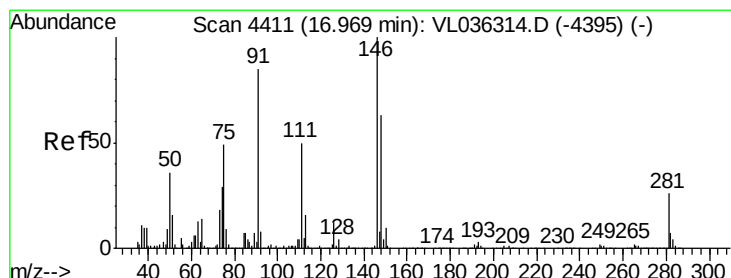
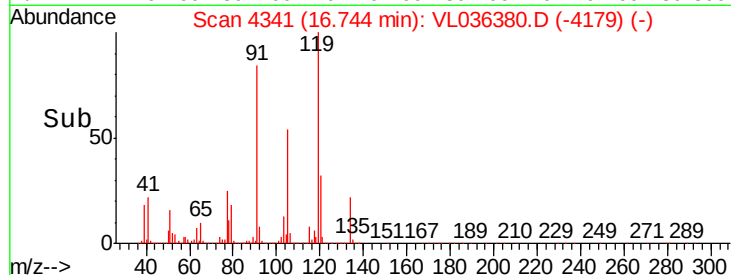
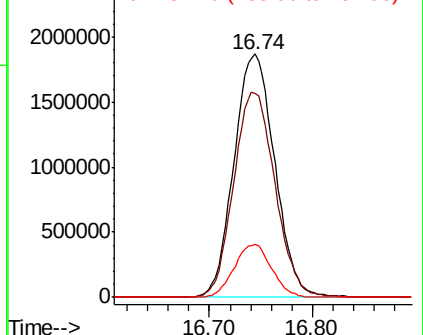
134 20.1 15.8 23.8



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 10.887 ppbv

RT: 16.99 min Scan# 4417

Delta R.T. 0.02 min

Lab File: VL036380.D

Acq: 25 Feb 2021 13:36

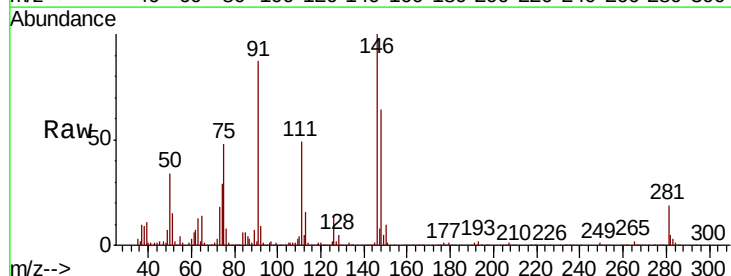
Tgt Ion: 91 Resp: 1948564

Ion Ratio Lower Upper

91 100

126 16.1 12.9 19.3

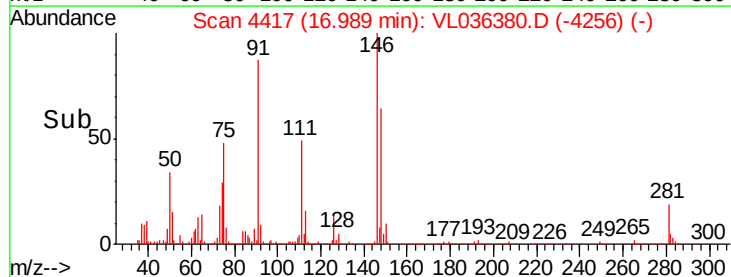
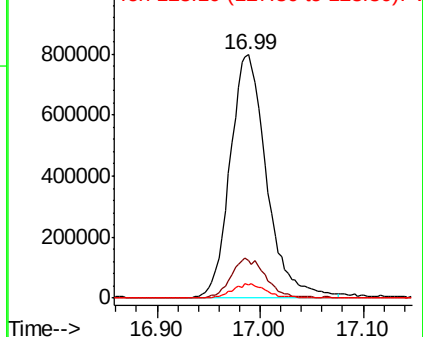
128 5.6 4.2 6.2

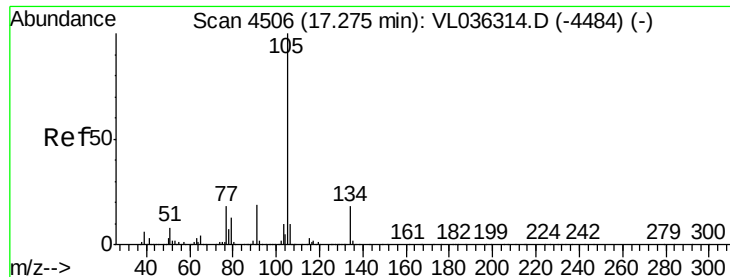


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.691 ppbv

RT: 17.29 min Scan# 4511

Delta R.T. 0.02 min

Lab File: VL036380.D

Acq: 25 Feb 2021 13:36

Instrument :

MSVOA_L

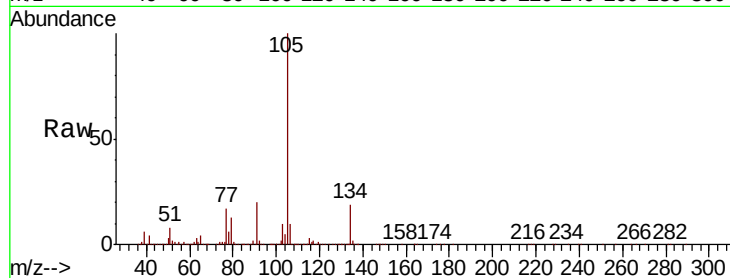
ClientSampleId :

Tot Ion:105 Resp: 7302456

Ion Ratio Lower Upper

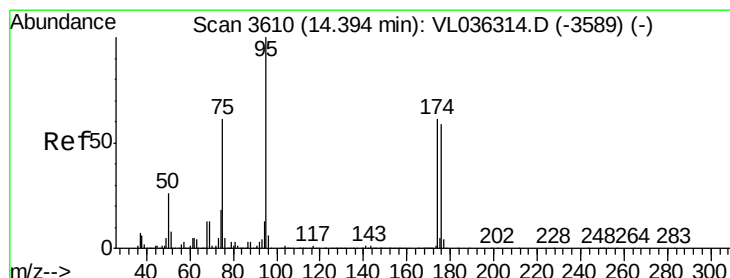
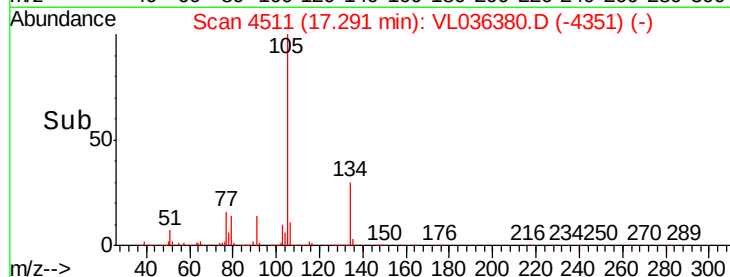
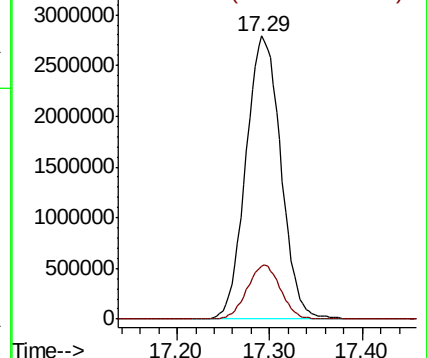
105 100

134 18.4 14.2 21.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.079 ppbv

RT: 14.41 min Scan# 3616

Delta R.T. 0.02 min

Lab File: VL036380.D

Acq: 25 Feb 2021 13:36

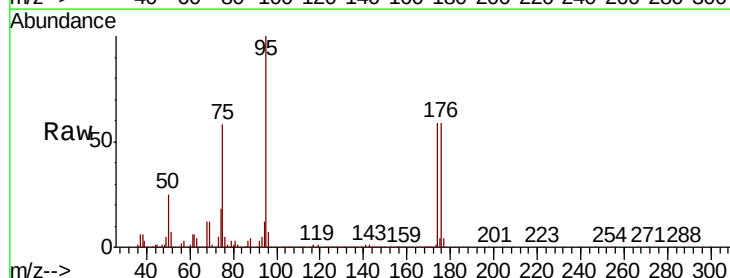
Tgt Ion: 95 Resp: 2967300

Ion Ratio Lower Upper

95 100

174 61.7 49.8 74.6

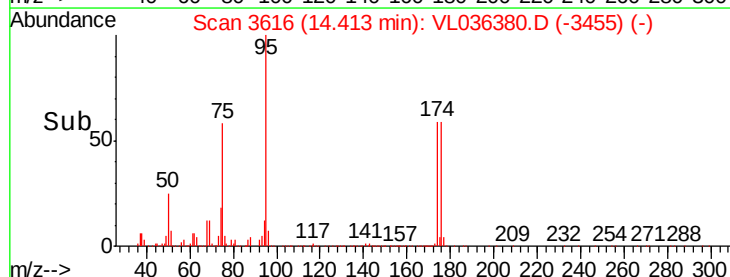
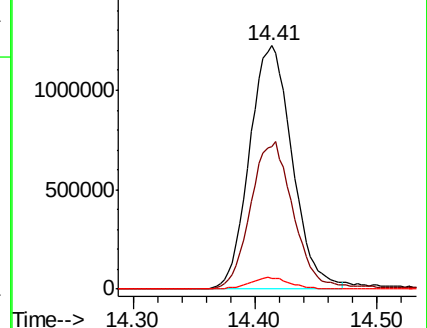
175 4.5 3.7 5.5

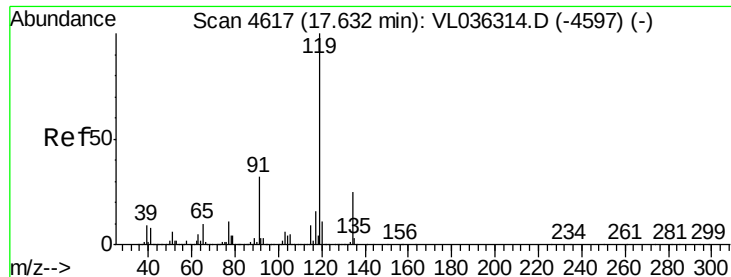


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

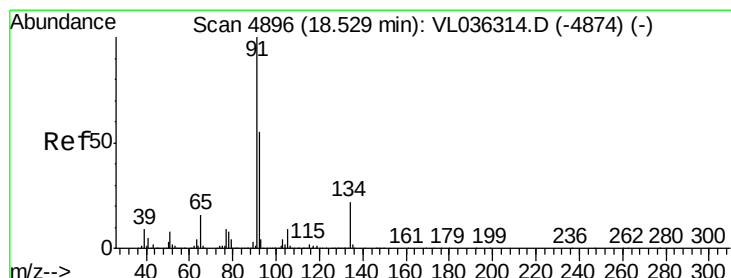
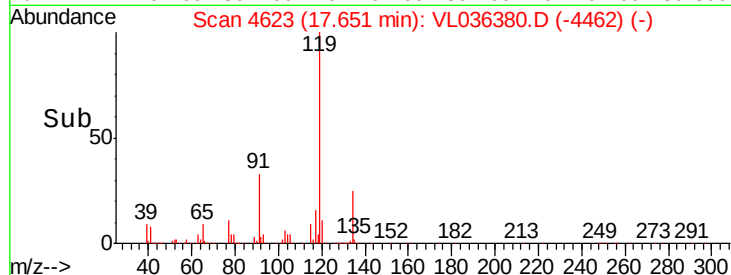
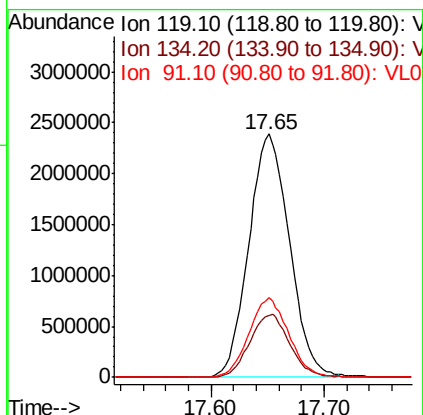
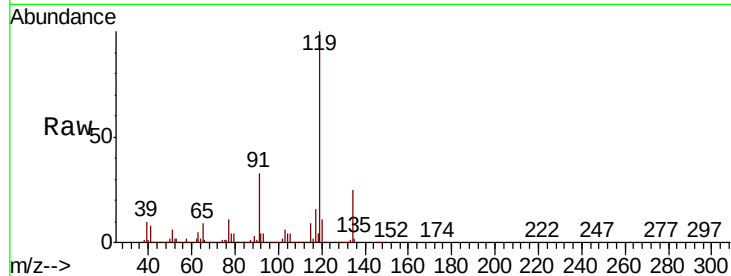




#69
 p-Isopropyltoluene
 Concen: 8.123 ppbv
 RT: 17.65 min Scan# 4623
 Delta R.T. 0.02 min
 Lab File: VL036380.D
 Acq: 25 Feb 2021 13:36

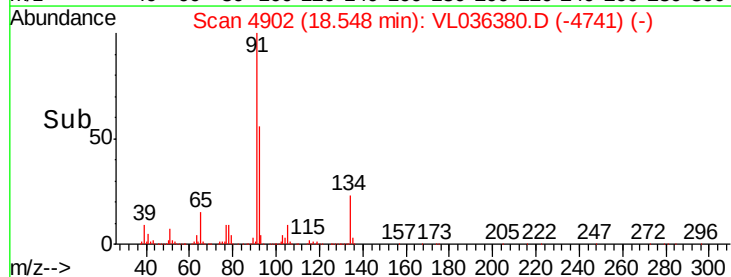
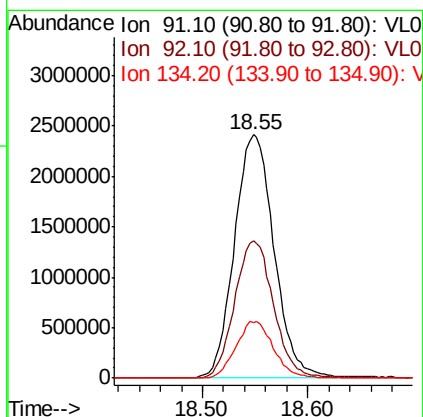
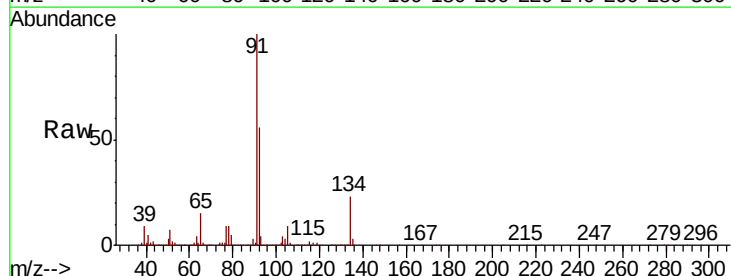
Instrument :
 MSVOA_L
 ClientSampleId :

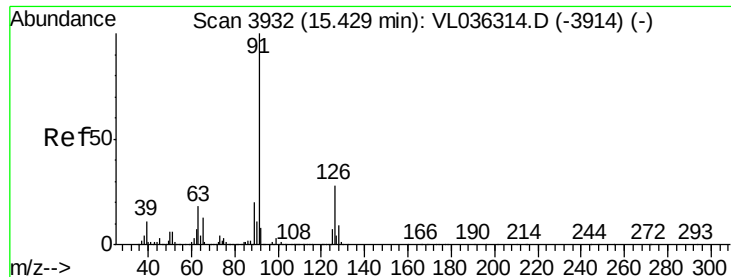
Tot Ion:119 Resp: 5959993
 Ion Ratio Lower Upper
 119 100
 134 25.5 20.1 30.1
 91 31.8 25.8 38.6



#70
 n-Butylbenzene
 Concen: 7.988 ppbv
 RT: 18.55 min Scan# 4902
 Delta R.T. 0.02 min
 Lab File: VL036380.D
 Acq: 25 Feb 2021 13:36

Tgt Ion: 91 Resp: 6285879
 Ion Ratio Lower Upper
 91 100
 92 55.9 43.7 65.5
 134 22.4 17.4 26.0

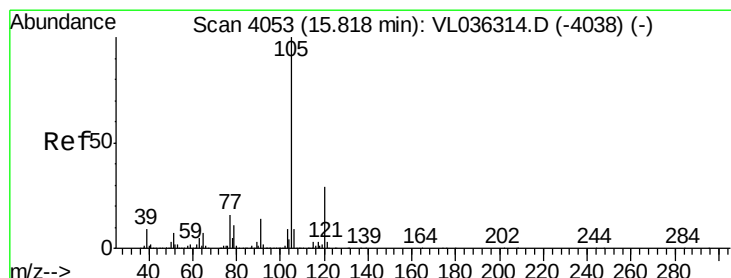
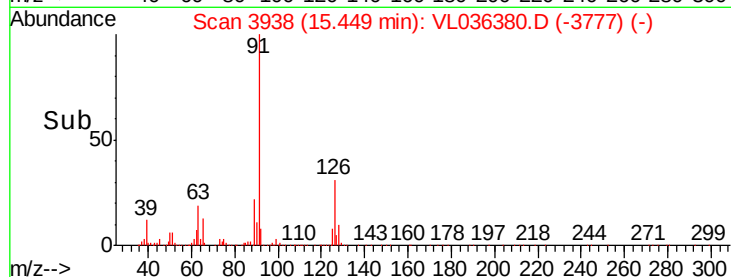
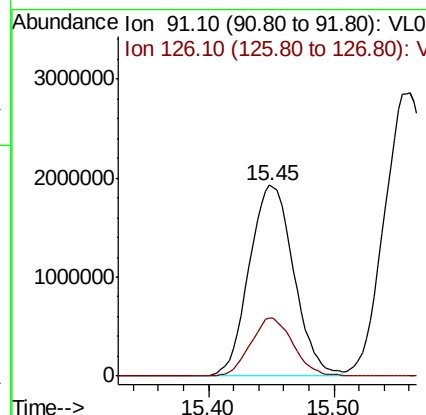
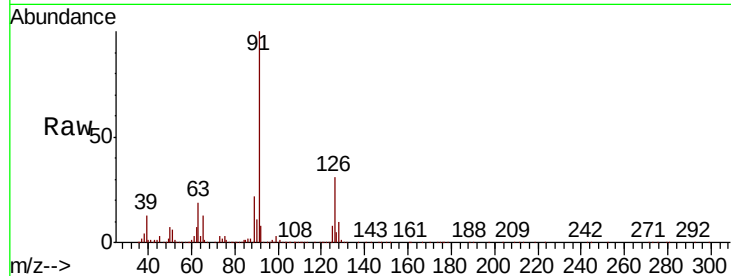




#71
 2-Chlorotoluene
 Concen: 8.076 ppbv
 RT: 15.45 min Scan# 3938
 Delta R.T. 0.02 min
 Lab File: VL036380.D
 Acq: 25 Feb 2021 13:36

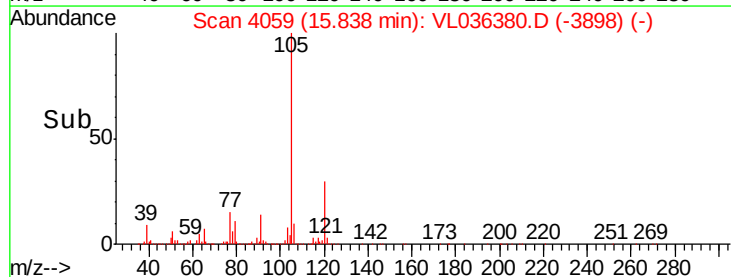
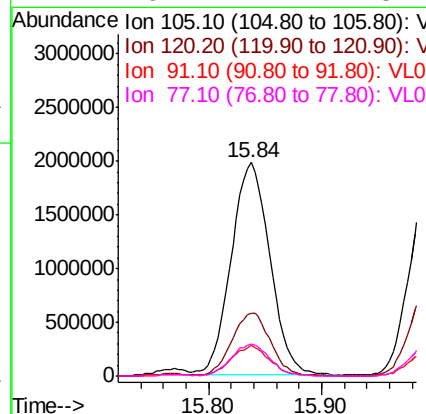
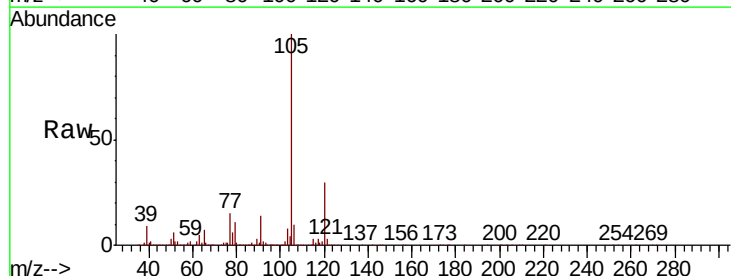
Instrument :
 MSVOA_L
 ClientSampleId :

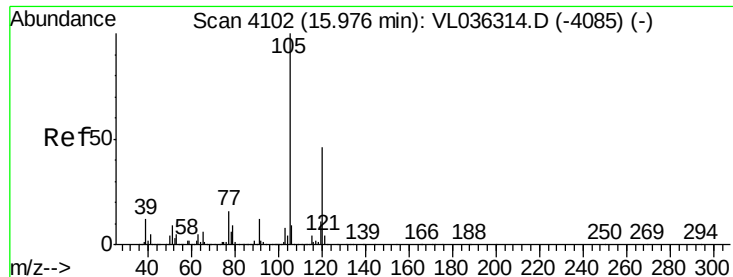
Tot Ion: 91 Resp: 4763917
 Ion Ratio Lower Upper
 91 100
 126 29.5 11.5 46.1



#72
 4-Ethyltoluene
 Concen: 8.248 ppbv
 RT: 15.84 min Scan# 4059
 Delta R.T. 0.02 min
 Lab File: VL036380.D
 Acq: 25 Feb 2021 13:36

Tgt Ion: 105 Resp: 4712379
 Ion Ratio Lower Upper
 105 100
 120 29.7 23.2 34.8
 91 13.7 11.0 16.4
 77 15.7 12.2 18.4





#73

1,3,5-Trimethylbenzene

Concen: 8.017 ppbv

RT: 16.00 min Scan# 4108

Delta R.T. 0.02 min

Lab File: VL036380.D

Acq: 25 Feb 2021 13:36

Instrument :

MSVOA_L

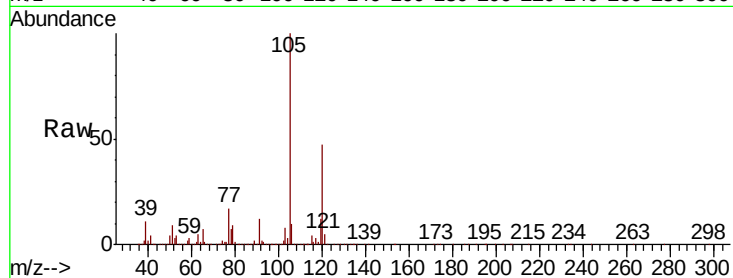
ClientSampleId :

Tot Ion:105 Resp: 4439711

Ion Ratio Lower Upper

105 100

120 46.7 36.9 55.3



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.00

2000000

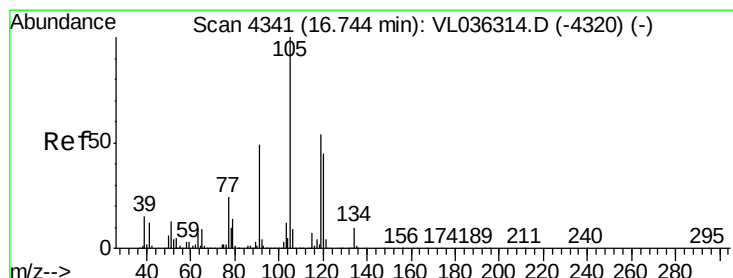
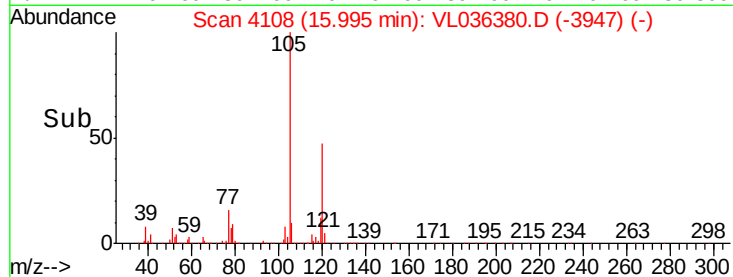
1500000

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 7.872 ppbv

RT: 16.76 min Scan# 4347

Delta R.T. 0.02 min

Lab File: VL036380.D

Acq: 25 Feb 2021 13:36

Tgt Ion:105 Resp: 4450803

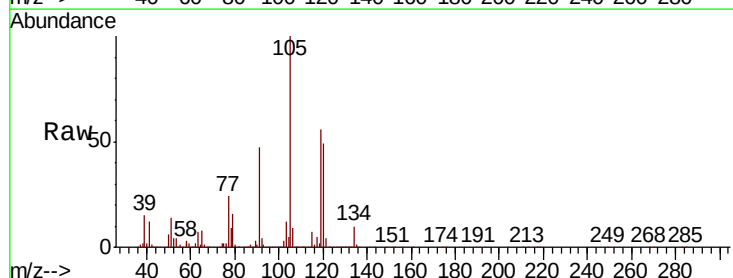
Ion Ratio Lower Upper

105 100

120 48.3 35.8 53.6

91 47.1 39.8 59.6

77 23.6 19.1 28.7



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

2500000

2000000

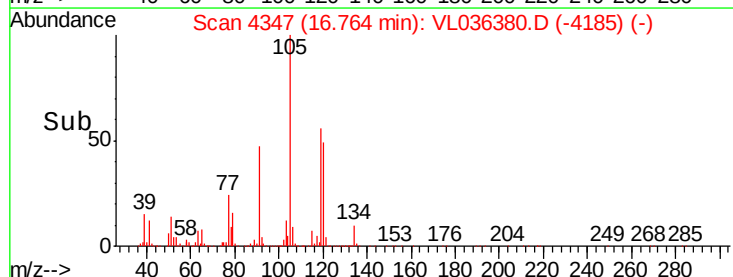
1500000

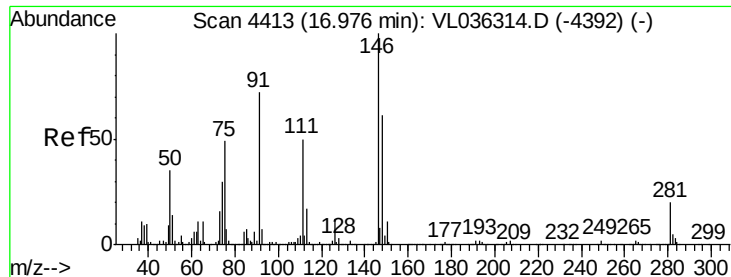
1000000

500000

0

Time-->





#75

1,3-Dichlorobenzene

Concen: 7.943 ppbv

RT: 17.00 min Scan# 4419

Delta R.T. 0.02 min

Lab File: VL036380.D

Acq: 25 Feb 2021 13:36

Instrument :

MSVOA_L

ClientSampleId :

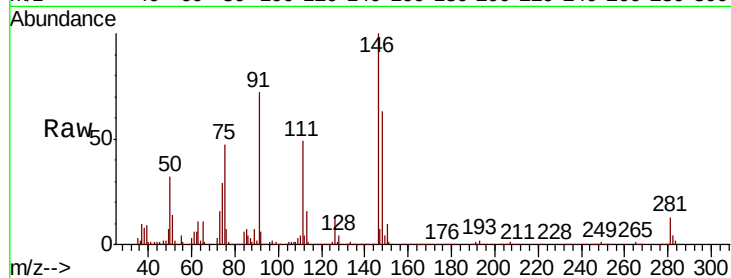
Tot Ion:146 Resp: 2437440

Ion Ratio Lower Upper

146 100

111 49.7 24.9 74.6

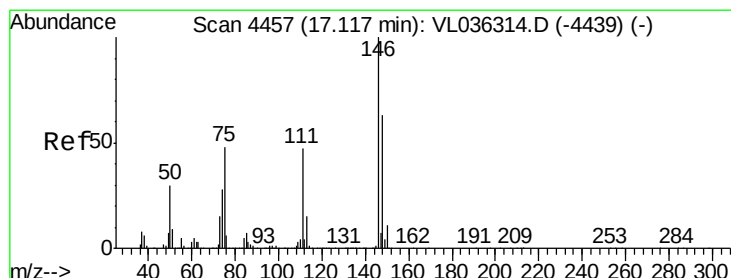
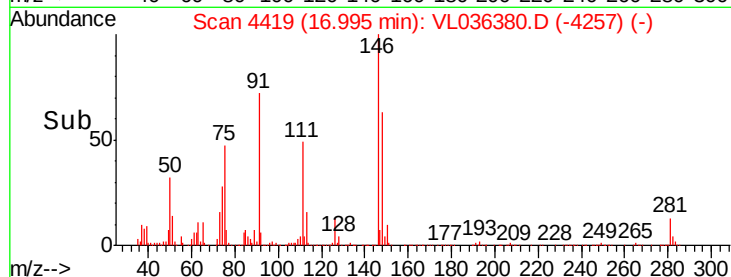
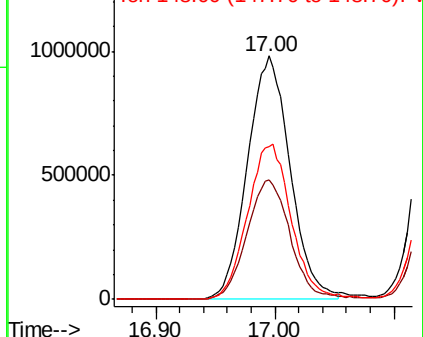
148 65.2 31.9 95.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 7.654 ppbv

RT: 17.14 min Scan# 4463

Delta R.T. 0.02 min

Lab File: VL036380.D

Acq: 25 Feb 2021 13:36

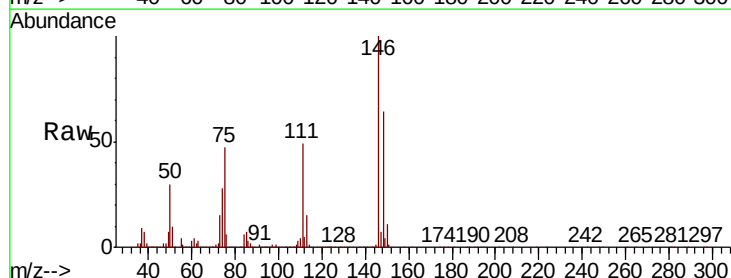
Tgt Ion:146 Resp: 2439255

Ion Ratio Lower Upper

146 100

111 48.8 23.6 71.0

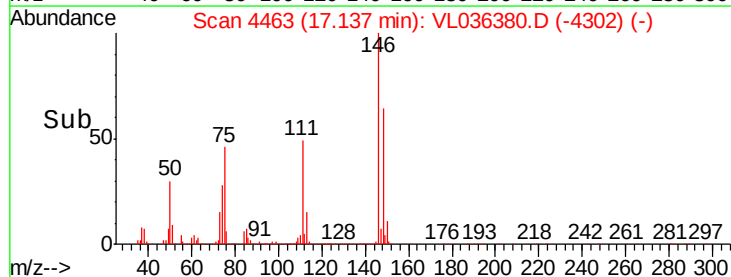
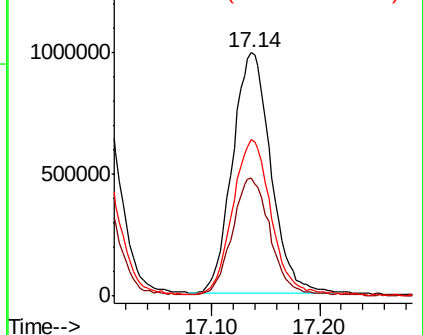
148 66.1 31.6 95.0

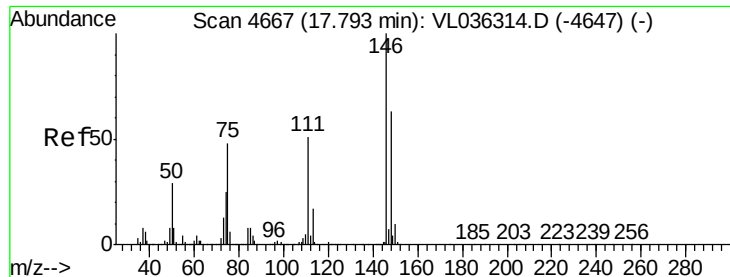


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.843 ppbv

RT: 17.81 min Scan# 4673

Delta R.T. 0.02 min

Lab File: VL036380.D

Acq: 25 Feb 2021 13:36

Instrument :

MSVOA_L

ClientSampleId :

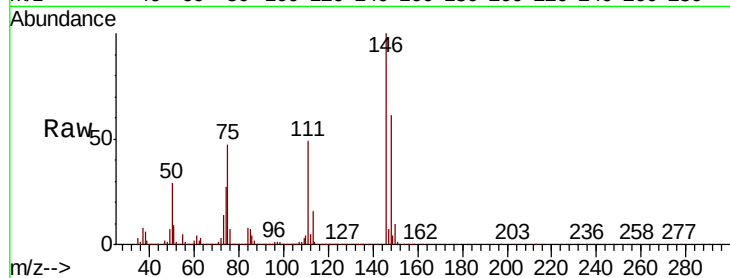
Tot Ion:146 Resp: 2387523

Ion Ratio Lower Upper

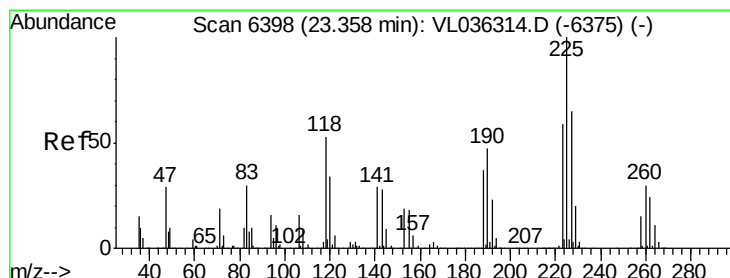
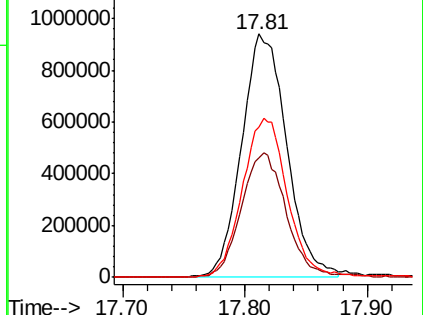
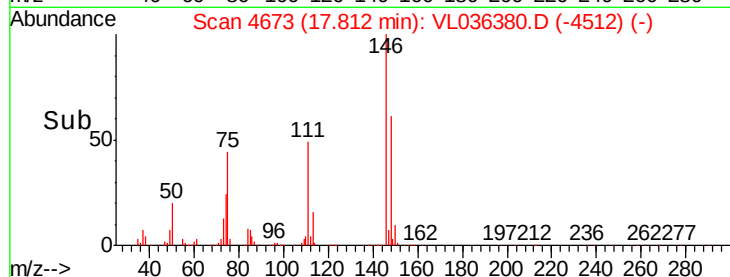
146 100

111 51.3 25.9 77.8

148 66.0 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: 6.841 ppbv

RT: 23.37 min Scan# 6403

Delta R.T. 0.02 min

Lab File: VL036380.D

Acq: 25 Feb 2021 13:36

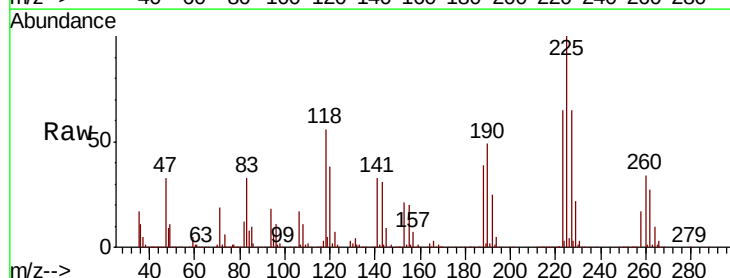
Tgt Ion:225 Resp: 1701513

Ion Ratio Lower Upper

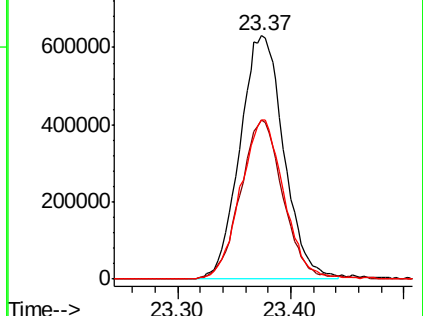
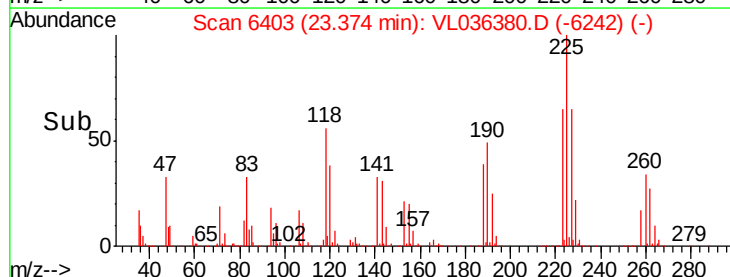
225 100

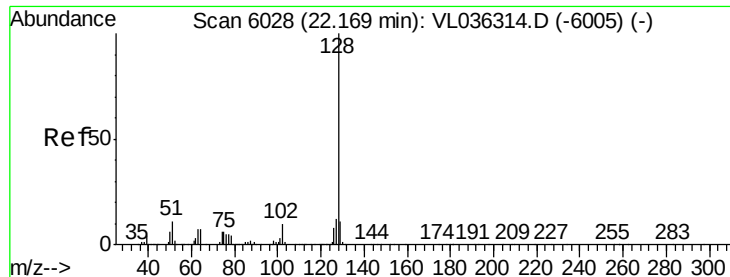
223 64.0 50.8 76.2

227 65.0 52.2 78.2



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: 9.820 ppbv

RT: 22.20 min Scan# 6037

Delta R.T. 0.03 min

Lab File: VL036380.D

Acq: 25 Feb 2021 13:36

Instrument :

MSVOA_L

ClientSampled :

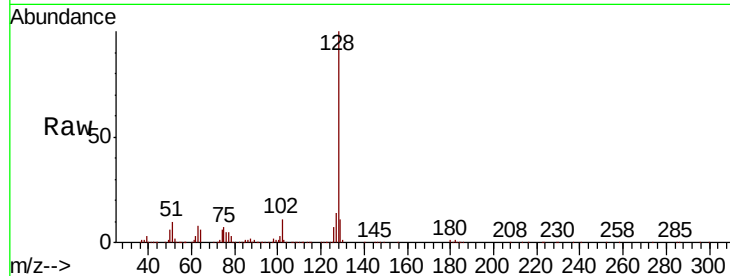
Tot Ion:128 Resp: 3290972

Ion Ratio Lower Upper

128 100

127 13.6 9.6 14.4

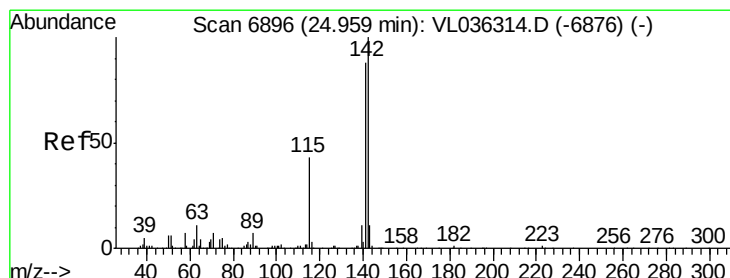
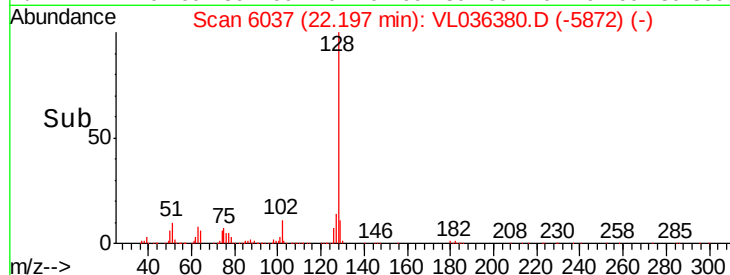
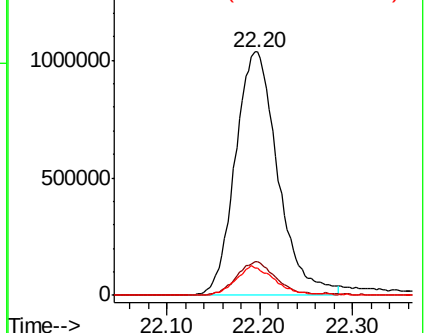
129 11.0 8.5 12.7



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 13.577 ppbv

RT: 24.98 min Scan# 6901

Delta R.T. 0.02 min

Lab File: VL036380.D

Acq: 25 Feb 2021 13:36

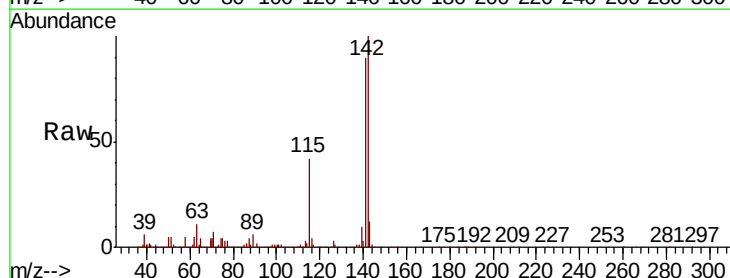
Tgt Ion:142 Resp: 842515

Ion Ratio Lower Upper

142 100

141 91.7 64.4 96.6

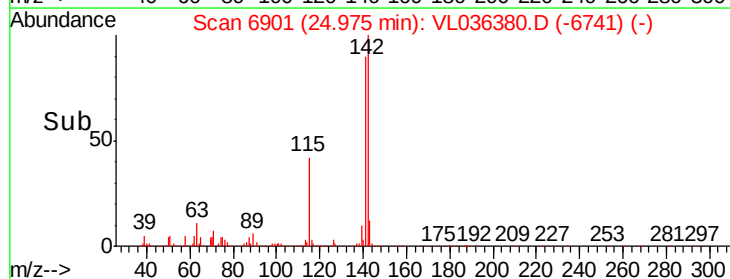
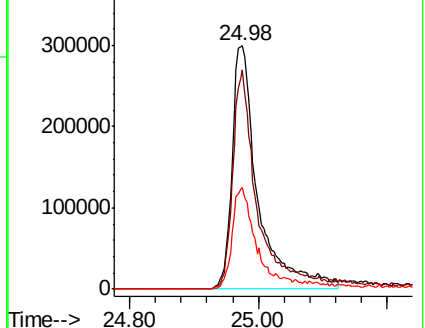
115 41.2 34.6 51.8

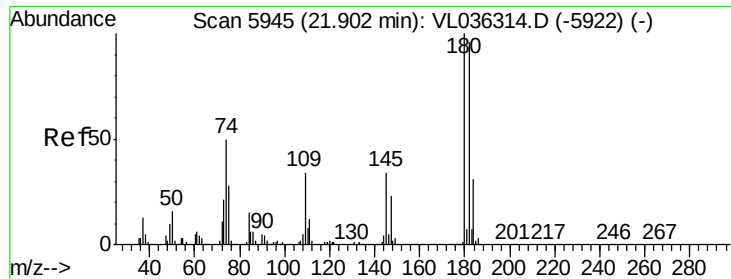


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 8.444 ppbv

RT: 21.93 min Scan# 5953

Delta R.T. 0.03 min

Lab File: VL036380.D

Acq: 25 Feb 2021 13:36

Instrument :

MSVOA_L

ClientSampleId :

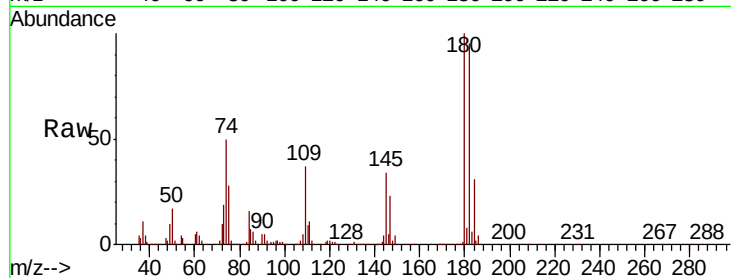
Tot Ion:180 Resp: 1726595

Ion Ratio Lower Upper

180 100

182 100.1 80.2 120.4

184 31.3 25.0 37.6



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

