

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022621\
 Data File : VL036406.D
 Acq On : 26 Feb 2021 17:31
 Operator : SY/AP
 Sample : VL0226ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Feb 27 03:17:59 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	5.64	49	1448760	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3395483	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.05	117	4138987	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2640924	7.76	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	77.60%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.02	85	2326132	10.758	ppbv 99
3) Chlorodifluoromethane	2.97	51	1986805	11.037	ppbv 100
4) Chloromethane	3.11	50	1003877	11.543	ppbv 99
5) Vinyl Chloride	3.23	62	998557	12.331	ppbv 98
6) Bromomethane	3.45	94	551145	11.450	ppbv 94
7) Chloroethane	3.53	64	346373	12.046	ppbv 97
8) Dichlorotetrafluoroethane	3.16	85	2274207	11.565	ppbv 97
9) Propene	2.99	41	890987	13.276	ppbv 96
10) Heptane	8.09	43	2359865	11.931	ppbv 99
11) Trichlorofluoromethane	3.93	101	2379717	11.240	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1580782	12.053	ppbv 100
13) Ethanol	3.58	45	60544	4.803	ppbv # 46
14) Bromoethene	3.71	108	677190	12.337	ppbv 97
15) Acetone	3.83	43	1930763	10.903	ppbv 98
16) 1,3-Butadiene	3.30	39	969233	11.446	ppbv 99
17) tert-Butyl alcohol	4.27	59	1605468	11.679	ppbv 100
18) 1,1-Dichloroethene	4.26	96	674288	11.313	ppbv 99
19) Isopropyl Alcohol	3.94	45	1006507	10.259	ppbv # 97
20) Methylene Chloride	4.32	84	580127	10.154	ppbv 93
21) Allyl Chloride	4.38	41	1136293	11.524	ppbv 99
22) trans-1,2-Dichloroethene	4.86	96	665241	12.287	ppbv 90
23) Vinyl Acetate	5.04	43	2453701	11.784	ppbv 99
24) 1,1-Dichloroethane	4.98	63	1792878	11.642	ppbv 99
25) Ethyl Acetate	5.65	43	4011901	11.735	ppbv 99
26) Hexane	5.66	57	1604086	11.419	ppbv 99
27) Carbon Disulfide	4.52	76	1754580	13.591	ppbv 98
28) Methyl tert-Butyl Ether	5.01	73	2248262	12.252	ppbv 100
29) Chloroform	5.73	83	2567247	11.344	ppbv 99
30) Cyclohexane	7.10	84	1317518	11.278	ppbv 99
31) cis-1,2-Dichloroethene	5.52	61	1618235	11.643	ppbv 95
32) 1,1,1-Trichloroethane	6.48	97	2499284	11.813	ppbv 99
34) 2-Butanone	5.22	43	2498302	11.074	ppbv 99
35) Carbon Tetrachloride	6.99	117	2536719	11.147	ppbv 98
36) Benzene	6.86	78	3360959	11.652	ppbv 96
37) 1,2-Dichloroethane	6.28	62	2004575	11.241	ppbv 99
38) Trichloroethene	7.81	130	1143775	11.069	ppbv 93
39) 1,2-Dichloropropane	7.58	63	1340616	11.442	ppbv 98
40) 1,4-Dioxane	7.80	88	440977	10.863	ppbv # 1
41) Tetrahydrofuran	6.02	42	1520191	12.075	ppbv 98
42) Bromodichloromethane	7.76	83	2689557	11.261	ppbv 99
43) Methyl Methacrylate	7.98	69	1472581	12.106	ppbv 99

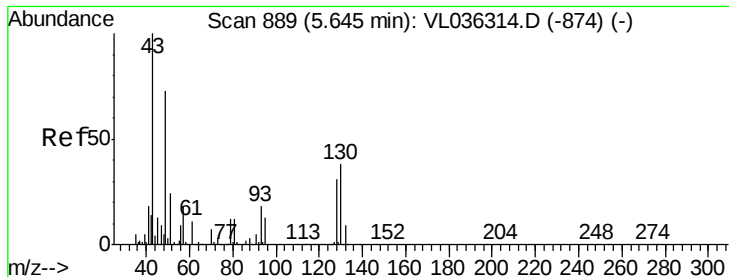
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022621\
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 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.84	57	5724640	10.915	ppbv	99
45) t-1,3-Dichloropropene	9.25	75	1555434	13.255	ppbv	98
46) cis-1,3-Dichloropropene	8.67	75	1914060	12.841	ppbv	98
47) 1,1,2-Trichloroethane	9.45	97	1314015	10.958	ppbv	97
48) Dibromochloromethane	10.28	129	2166785	12.110	ppbv	100
49) Bromoform	13.01	173	1719637	11.888	ppbv	98
50) 4-Methyl-2-Pentanone	8.71	43	3839312	11.463	ppbv	100
51) 2-Hexanone	10.10	43	3100451	12.183	ppbv #	99
52) Tetrachloroethene	11.19	164	594032	5.626	ppbv	94
53) Toluene	9.77	91	3659527	11.713	ppbv	99
54) 1,2-Dibromoethane	10.58	107	1935746	11.171	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.10	131	1617735	8.498	ppbv #	64
57) Chlorobenzene	12.12	112	2605239	8.147	ppbv	98
58) Ethyl Benzene	12.68	91	4911994	8.667	ppbv	98
59) m/p-Xylene	12.96	91	4730463	9.502	ppbv #	48
60) o-Xylene	13.66	91	3878351	8.148	ppbv	99
61) Styrene	13.50	104	2765983	9.376	ppbv	98
62) Isopropylbenzene	14.64	105	5773664	8.092	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	2696089	7.179	ppbv	99
64) n-propylbenzene	15.53	120	1503195	8.561	ppbv	97
65) tert-Butylbenzene	16.72	119	4897641	8.023	ppbv	98
66) Benzyl Chloride	16.96	91	1649290	9.938	ppbv	99
67) sec-Butylbenzene	17.27	105	6975340	7.923	ppbv	99
69) p-Isopropyltoluene	17.63	119	5684377	8.355	ppbv	99
70) n-Butylbenzene	18.52	91	6037751	8.275	ppbv	99
71) 2-Chlorotoluene	15.42	91	4446580	8.130	ppbv	98
72) 4-Ethyltoluene	15.81	105	4445963	8.393	ppbv	99
73) 1,3,5-Trimethylbenzene	15.97	105	4234293	8.246	ppbv	98
74) 1,2,4-Trimethylbenzene	16.73	105	4246186	8.100	ppbv	97
75) 1,3-Dichlorobenzene	16.97	146	2274950	7.995	ppbv	99
76) 1,4-Dichlorobenzene	17.11	146	2238499	7.576	ppbv	95
77) 1,2-Dichlorobenzene	17.79	146	2251200	7.975	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	1808378	7.842	ppbv	99
79) Naphthalene	22.16	128	3539968	11.392	ppbv	98
80) Naphthalene, 2-methyl-	24.95	142	605391	10.522	ppbv	97
81) 1,2,4-Trichlorobenzene	21.89	180	1842132	9.716	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 887

Delta R.T. -0.01 min

Lab File: VL036406.D

Acq: 26 Feb 2021 17:31

Instrument :

MSVOA_L

ClientSampleId :

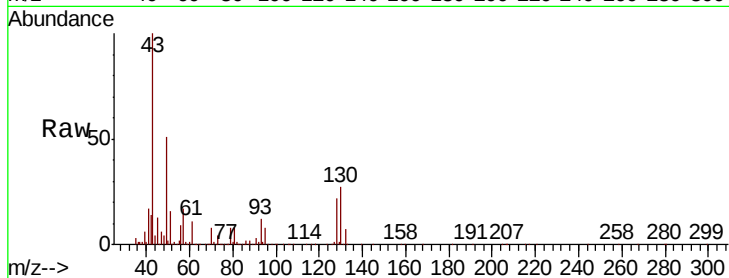
Tot Ion: 49 Resp: 1448760

Ion Ratio Lower Upper

49 100

128 43.6 20.8 62.5

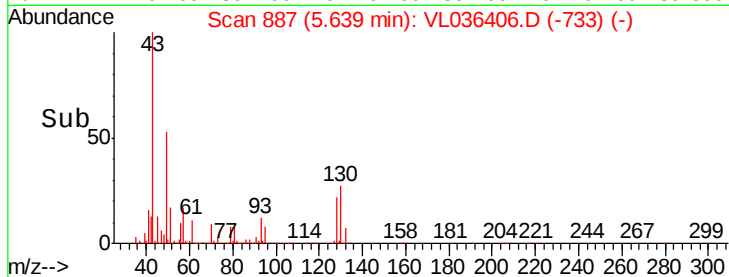
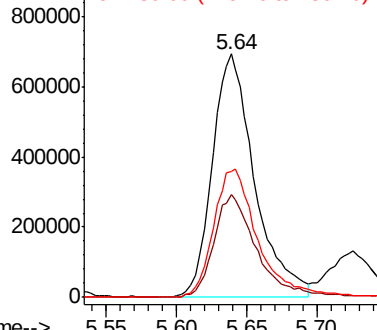
130 55.6 26.7 80.1



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: 10.758 ppbv

RT: 3.02 min Scan# 74

Delta R.T. -0.00 min

Lab File: VL036406.D

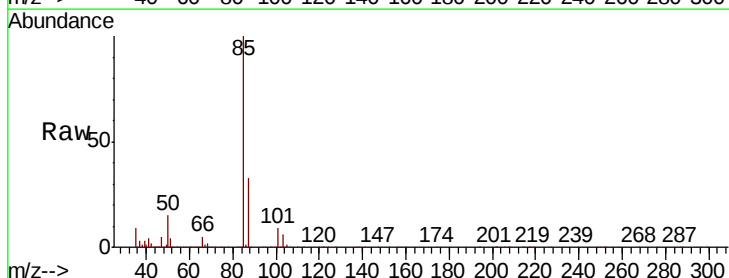
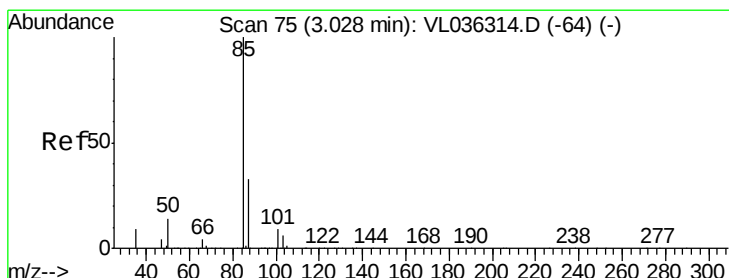
Acq: 26 Feb 2021 17:31

Tgt Ion: 85 Resp: 2326132

Ion Ratio Lower Upper

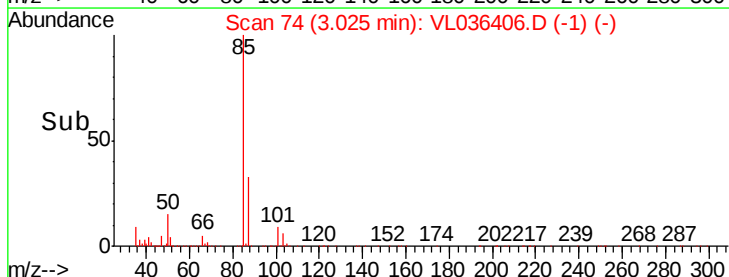
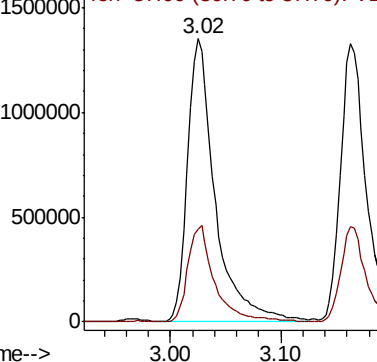
85 100

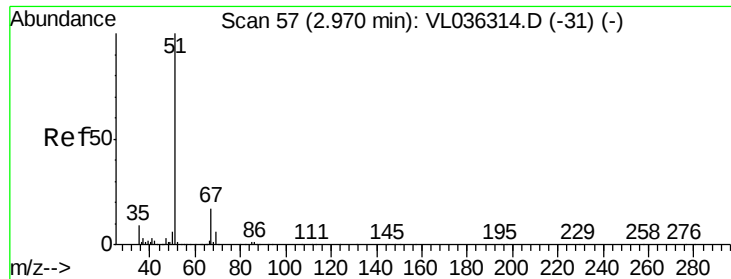
87 32.7 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

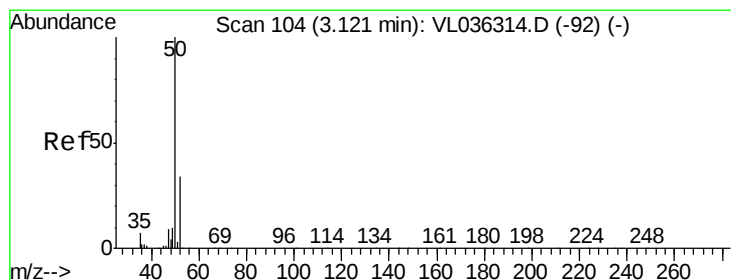
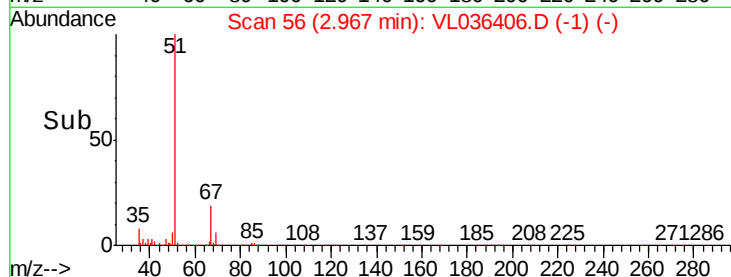
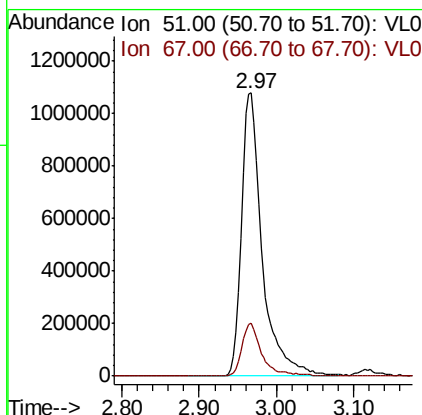
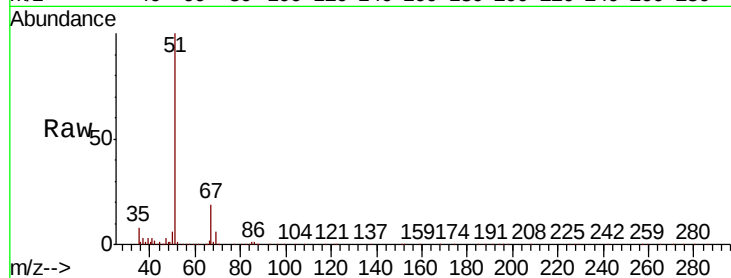




#3
 Chlorodifluoromethane
 Concen: 11.037 ppbv
 RT: 2.97 min Scan# 56
 Delta R.T. -0.00 min
 Lab File: VL036406.D
 Acq: 26 Feb 2021 17:31

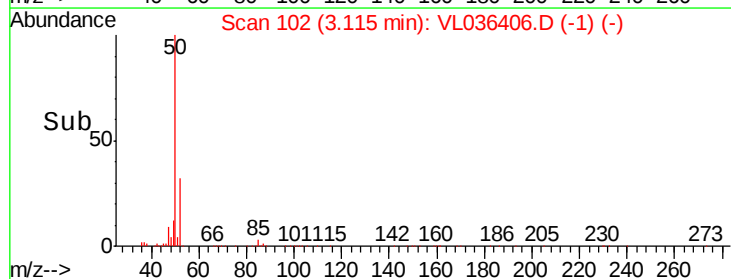
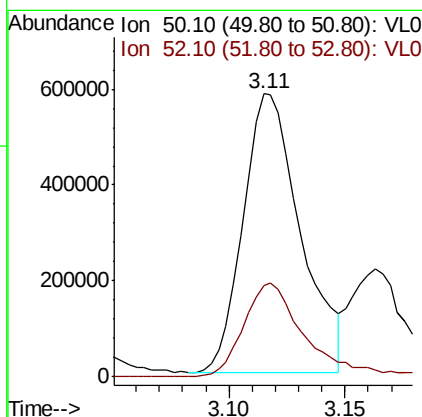
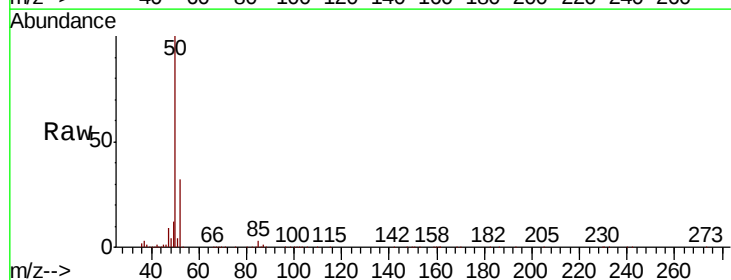
Instrument :
 MSVOA_L
 ClientSampleId :

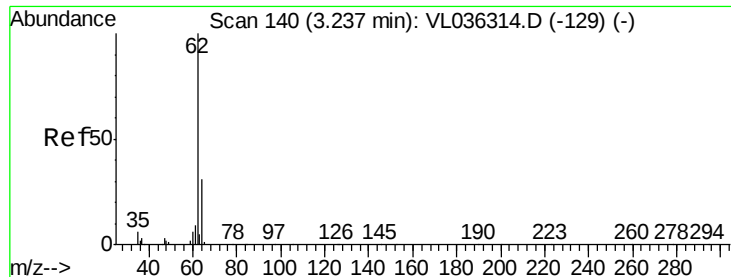
Tot Ion: 51 Resp: 1986805
 Ion Ratio Lower Upper
 51 100
 67 18.2 14.7 22.1



#4
 Chloromethane
 Concen: 11.543 ppbv
 RT: 3.11 min Scan# 102
 Delta R.T. -0.01 min
 Lab File: VL036406.D
 Acq: 26 Feb 2021 17:31

Tgt Ion: 50 Resp: 1003877
 Ion Ratio Lower Upper
 50 100
 52 32.9 27.0 40.4





#5

Vinyl Chloride

Concen: 12.331 ppbv

RT: 3.23 min Scan# 139

Delta R.T. -0.00 min

Lab File: VL036406.D

Acq: 26 Feb 2021 17:31

Instrument :

MSVOA_L

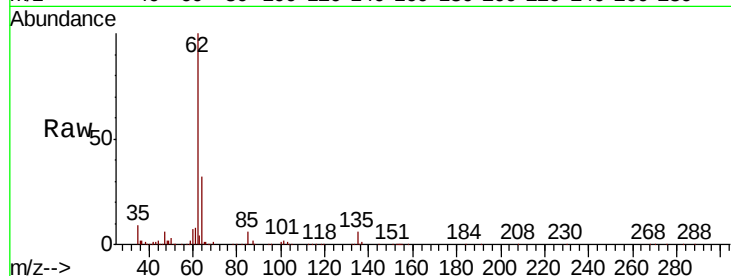
ClientSampleId :

Tot Ion: 62 Resp: 998557

Ion Ratio Lower Upper

62 100

64 31.7 24.4 36.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.23

600000

500000

400000

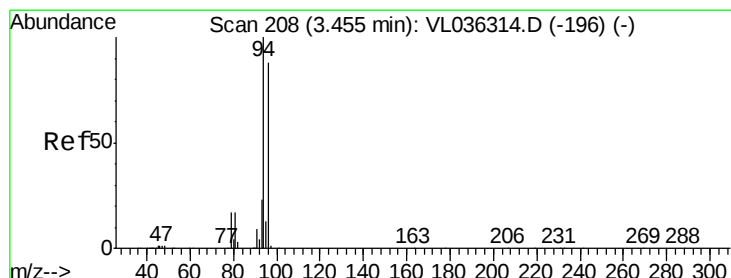
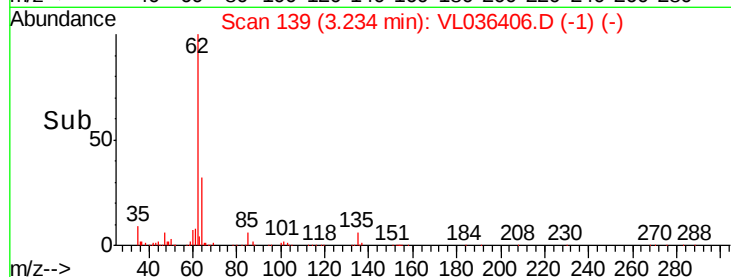
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 11.450 ppbv

RT: 3.45 min Scan# 206

Delta R.T. -0.01 min

Lab File: VL036406.D

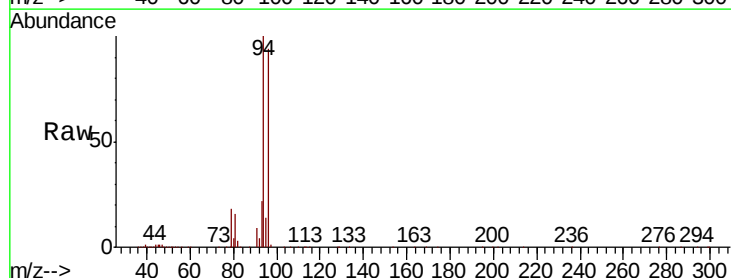
Acq: 26 Feb 2021 17:31

Tgt Ion: 94 Resp: 551145

Ion Ratio Lower Upper

94 100

96 94.4 70.8 106.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.45

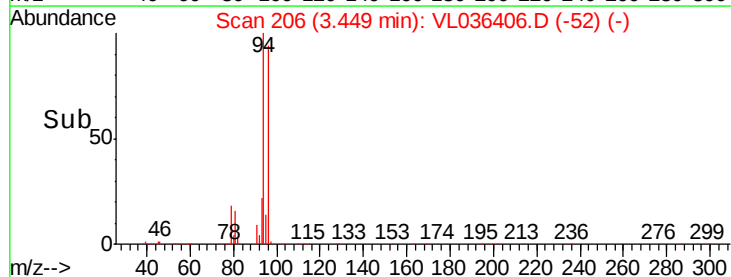
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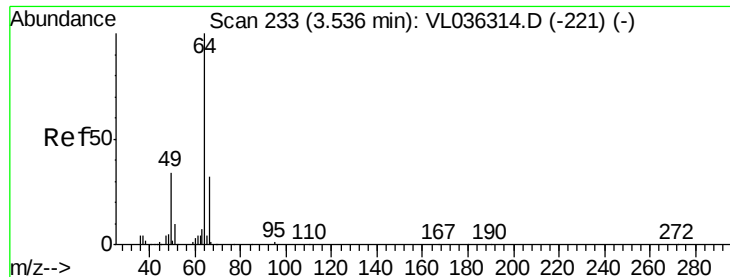
200000

100000

0

Time-->





#7

Chloroethane

Concen: 12.046 ppbv

RT: 3.53 min Scan# 232

Delta R.T. -0.00 min

Lab File: VL036406.D

Acq: 26 Feb 2021 17:31

Instrument :

MSVOA_L

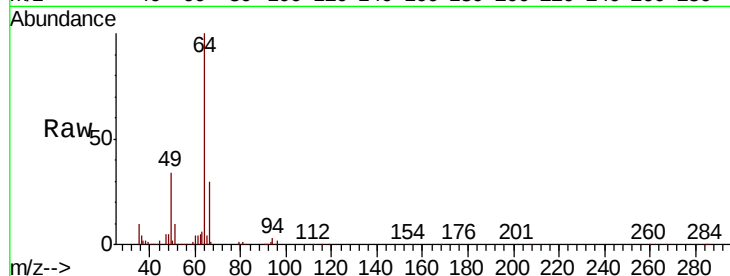
ClientSampleId :

Tot Ion: 64 Resp: 346373

Ion Ratio Lower Upper

64 100

66 30.2 25.6 38.4



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.53

200000

150000

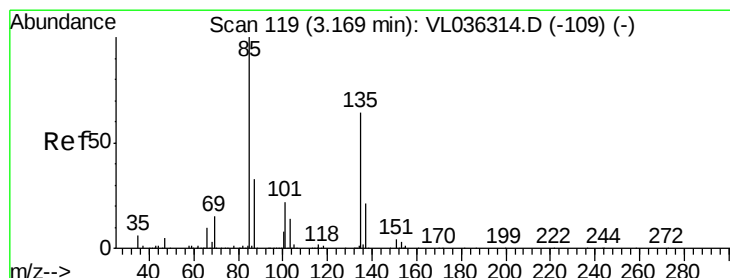
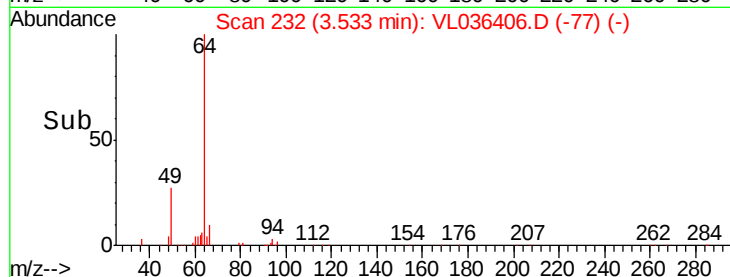
100000

50000

0

3.50 3.55 3.60

Time-->



#8

Dichlorotetrafluoroethane

Concen: 11.565 ppbv

RT: 3.16 min Scan# 117

Delta R.T. -0.01 min

Lab File: VL036406.D

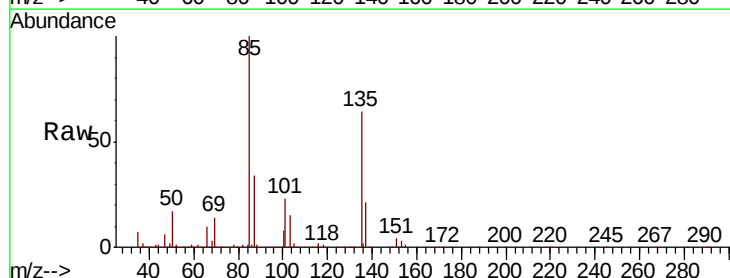
Acq: 26 Feb 2021 17:31

Tgt Ion: 85 Resp: 2274207

Ion Ratio Lower Upper

85 100

135 66.2 51.1 76.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.16

1500000

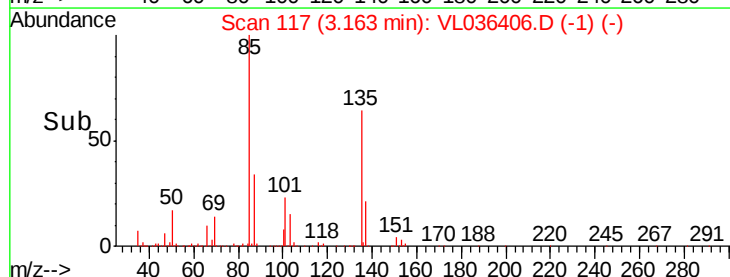
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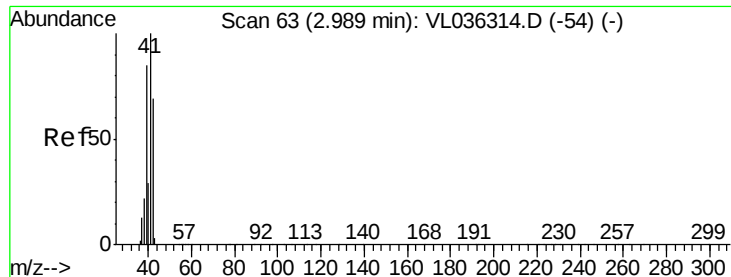
500000

0

3.10 3.20 3.30

Time-->





#9

Propene

Concen: 13.276 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.00 min

Lab File: VL036406.D

Acq: 26 Feb 2021 17:31

Instrument :

MSVOA_L

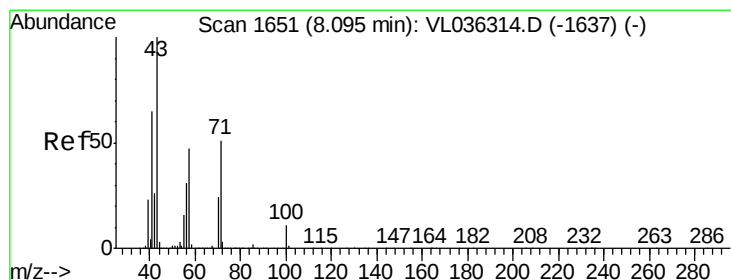
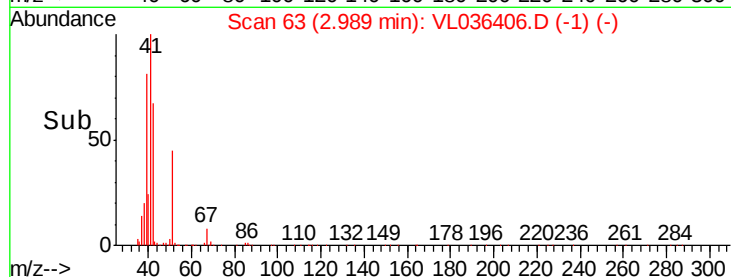
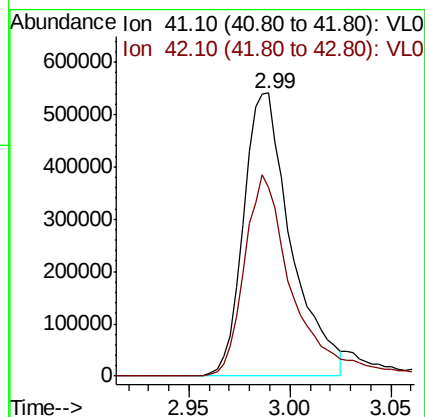
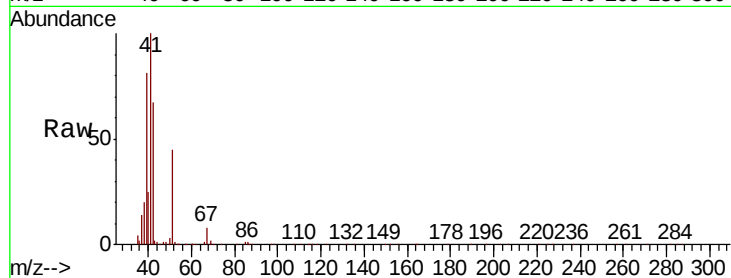
ClientSampleId :

Tot Ion: 41 Resp: 890987

Ion Ratio Lower Upper

41 100

42 73.4 56.2 84.2



#10

Heptane

Concen: 11.931 ppbv

RT: 8.09 min Scan# 1649

Delta R.T. -0.01 min

Lab File: VL036406.D

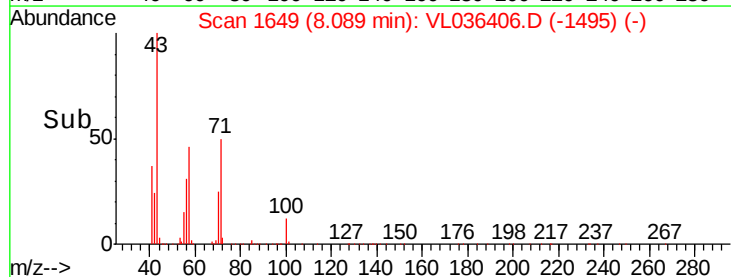
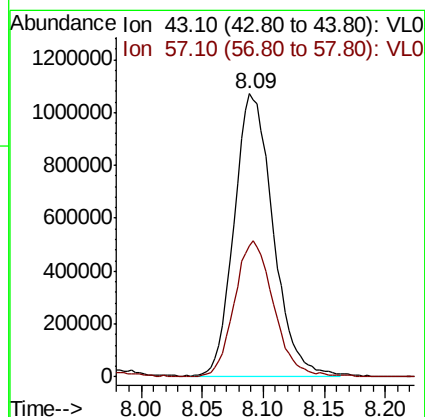
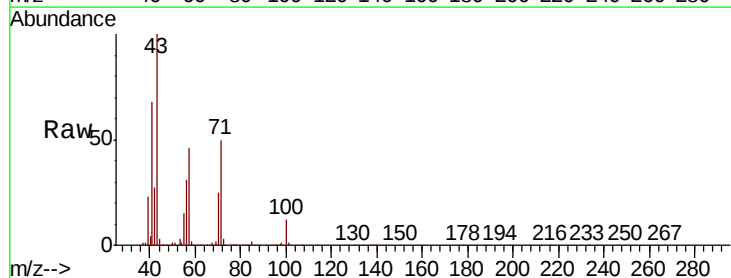
Acq: 26 Feb 2021 17:31

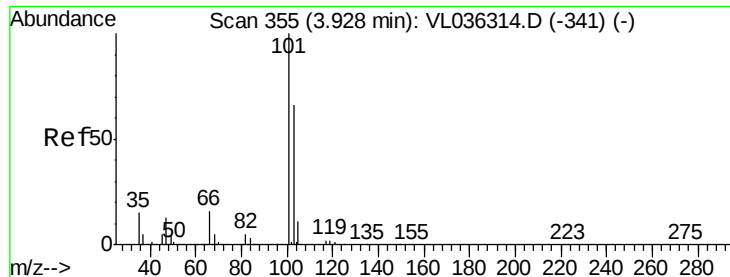
Tgt Ion: 43 Resp: 2359865

Ion Ratio Lower Upper

43 100

57 48.7 39.4 59.2





#11

Trichlorofluoromethane

Concen: 11.240 ppbv

RT: 3.93 min Scan# 354

Delta R.T. -0.00 min

Lab File: VL036406.D

Acq: 26 Feb 2021 17:31

Instrument :

MSVOA_L

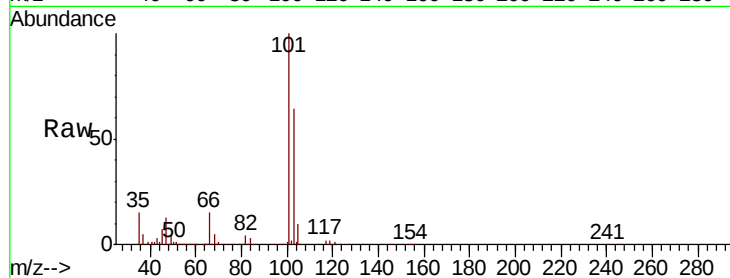
ClientSampleId :

Tot Ion:101 Resp: 2379717

Ion Ratio Lower Upper

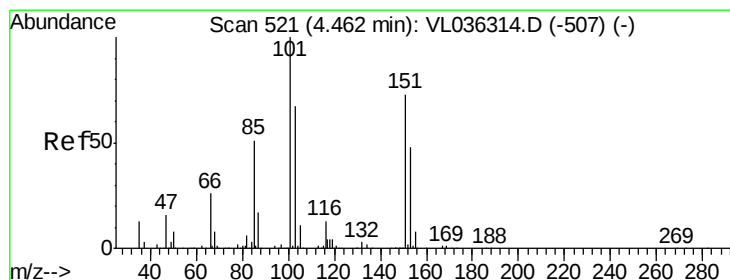
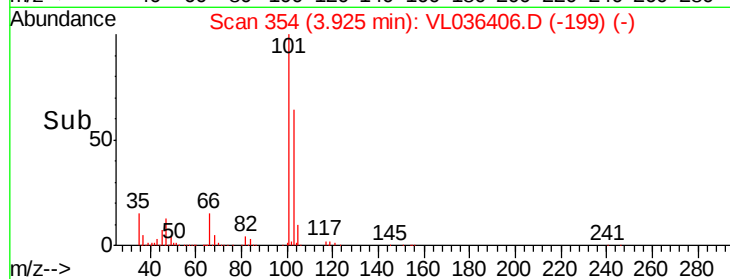
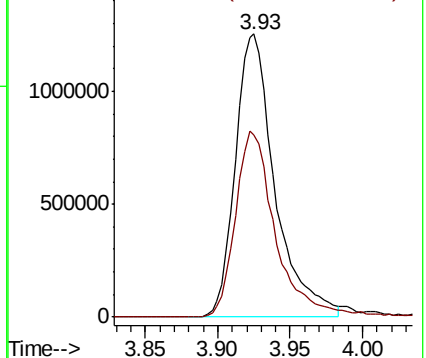
101 100

103 64.3 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: 12.053 ppbv

RT: 4.46 min Scan# 520

Delta R.T. -0.00 min

Lab File: VL036406.D

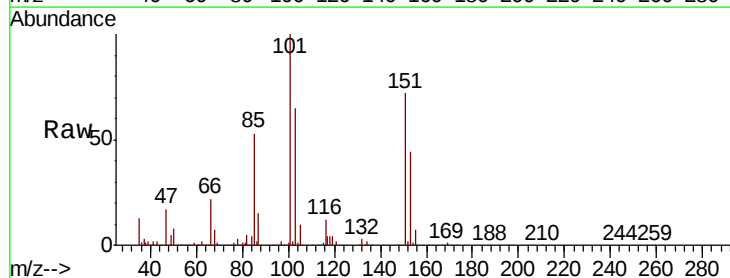
Acq: 26 Feb 2021 17:31

Tgt Ion:101 Resp: 1580782

Ion Ratio Lower Upper

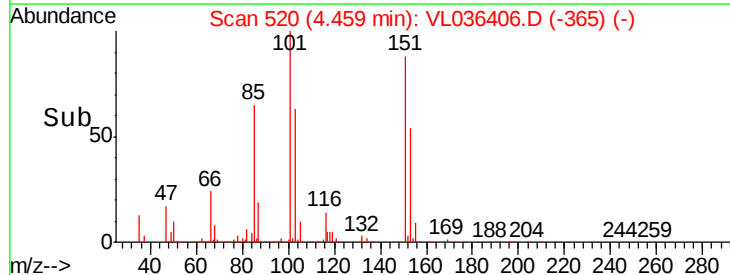
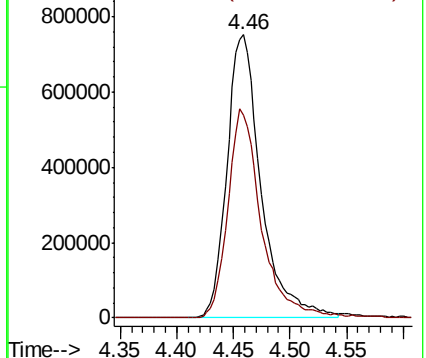
101 100

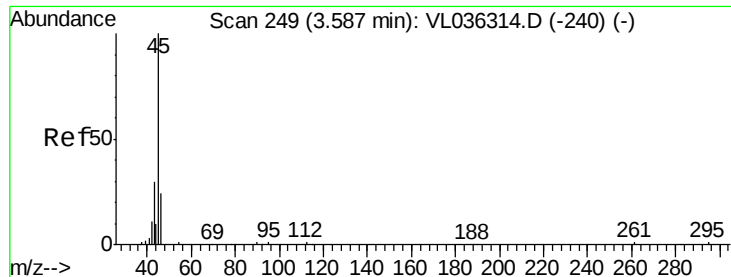
151 72.9 58.2 87.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 4.803 ppbv

RT: 3.58 min Scan# 248

Delta R.T. -0.00 min

Lab File: VL036406.D

Acq: 26 Feb 2021 17:31

Instrument :

MSVOA_L

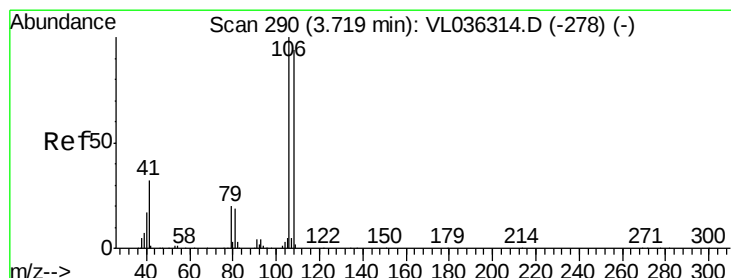
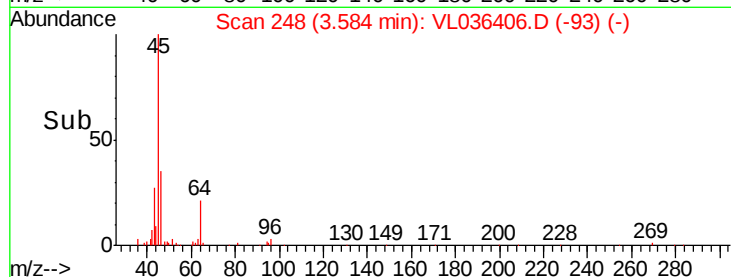
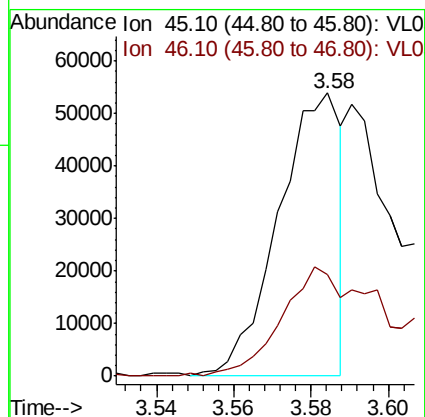
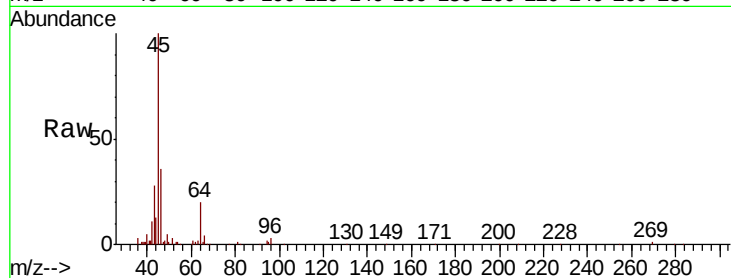
ClientSampleId :

Tot Ion: 45 Resp: 60544

Ion Ratio Lower Upper

45 100

46 79.3 17.7 70.7#



#14

Bromoethene

Concen: 12.337 ppbv

RT: 3.71 min Scan# 288

Delta R.T. -0.01 min

Lab File: VL036406.D

Acq: 26 Feb 2021 17:31

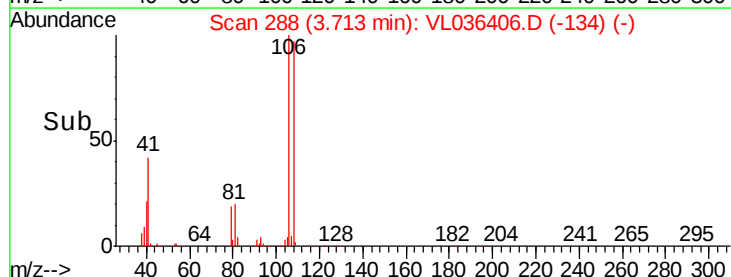
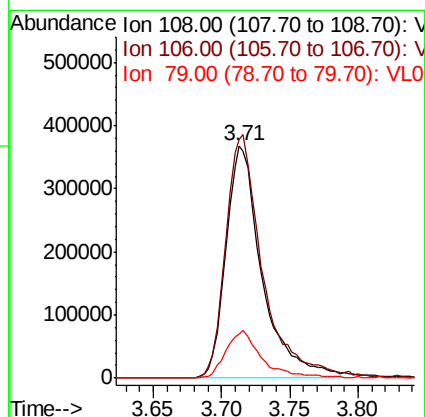
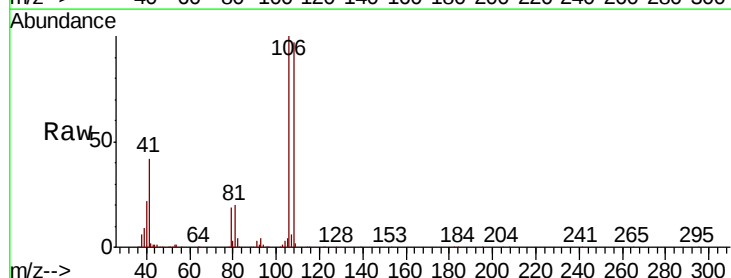
Tgt Ion: 108 Resp: 677190

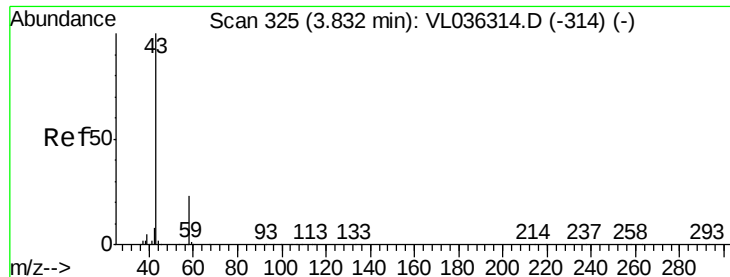
Ion Ratio Lower Upper

108 100

106 108.6 89.8 134.8

79 20.9 17.1 25.7





#15

Acetone

Concen: 10.903 ppbv

RT: 3.83 min Scan# 323

Delta R.T. -0.01 min

Lab File: VL036406.D

Acq: 26 Feb 2021 17:31

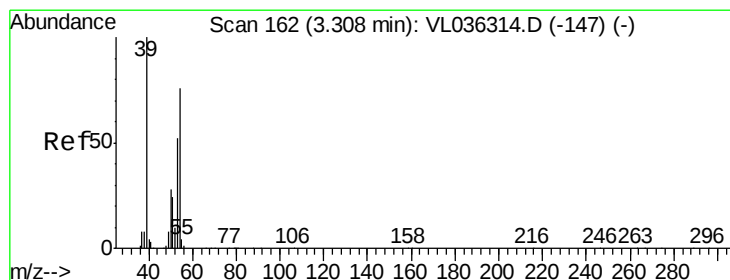
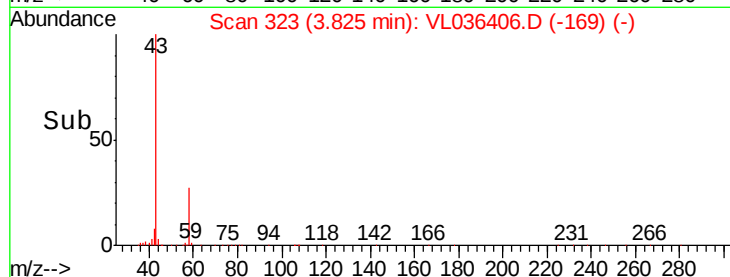
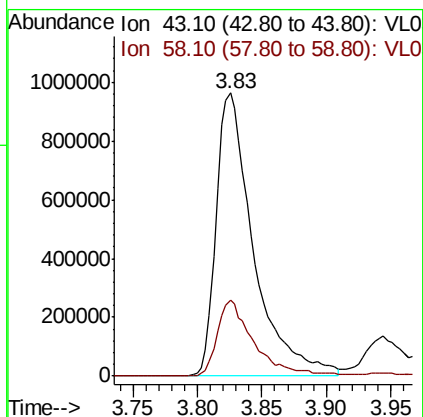
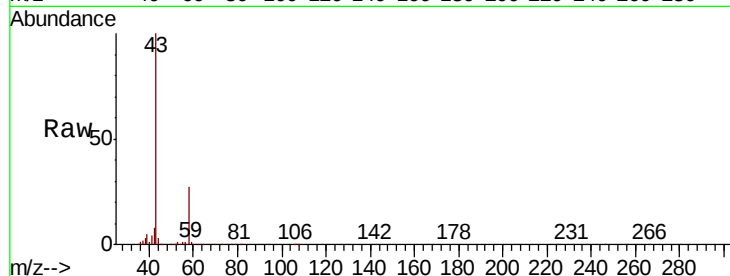
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 1930763

Ion Ratio Lower Upper

43 100

58 26.4 20.3 30.5



#16

1,3-Butadiene

Concen: 11.446 ppbv

RT: 3.30 min Scan# 160

Delta R.T. -0.01 min

Lab File: VL036406.D

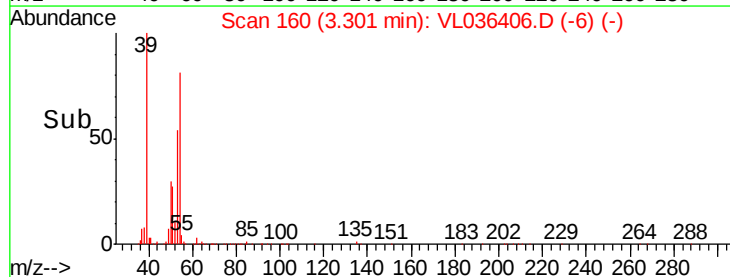
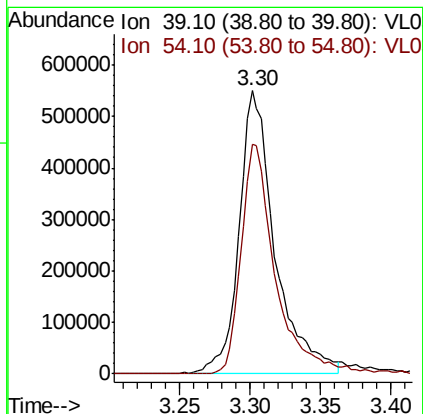
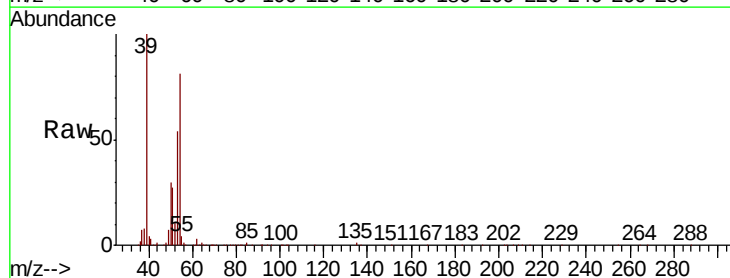
Acq: 26 Feb 2021 17:31

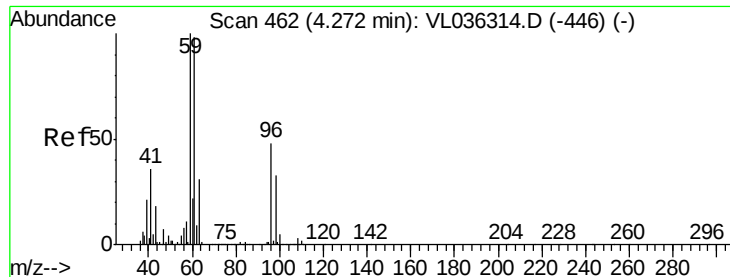
Tgt Ion: 39 Resp: 969233

Ion Ratio Lower Upper

39 100

54 79.6 64.4 96.6

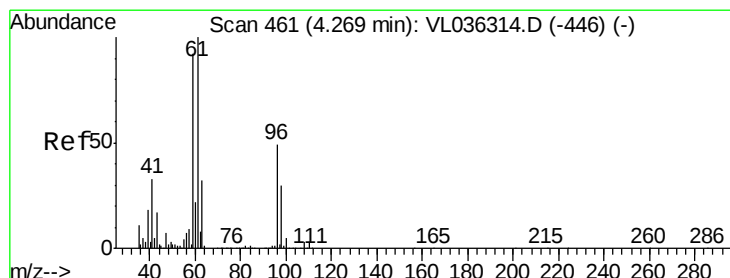
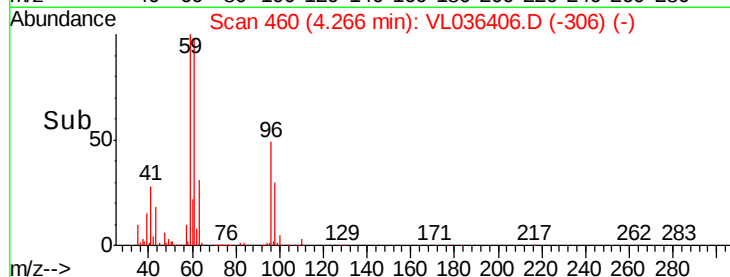
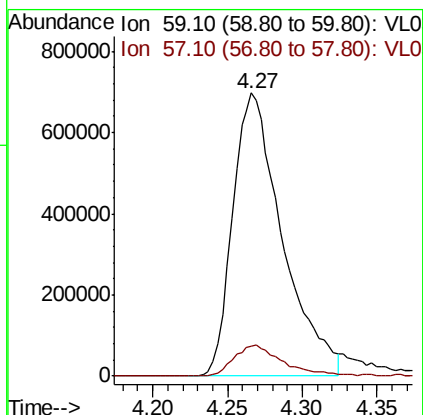
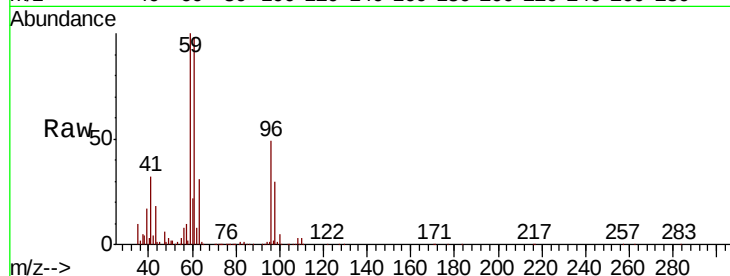




#17
tert-Butyl alcohol
Concen: 11.679 ppbv
RT: 4.27 min Scan# 460
Delta R.T. -0.01 min
Lab File: VL036406.D
Acq: 26 Feb 2021 17:31

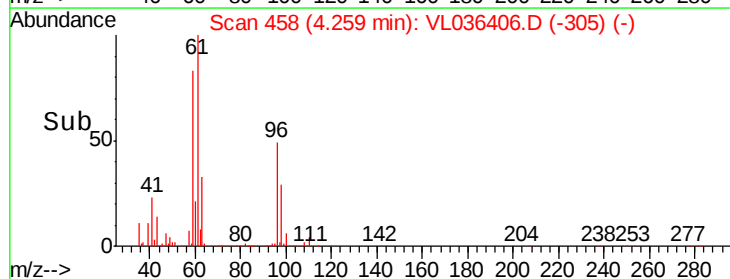
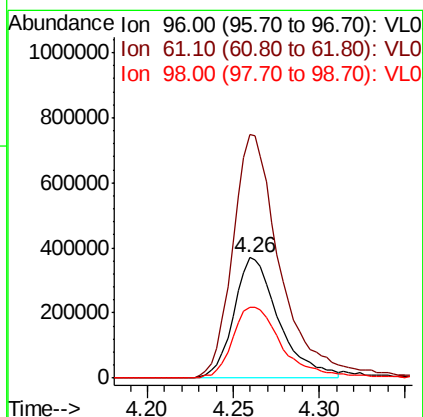
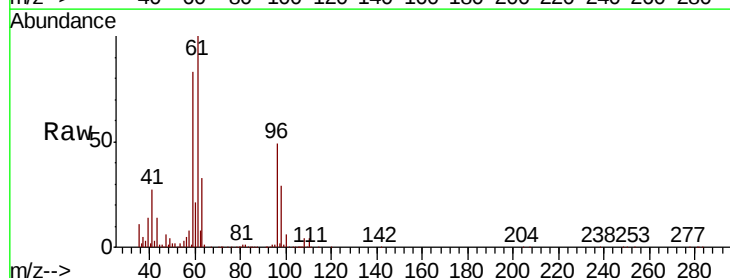
Instrument :
MSVOA_L
ClientSampled :

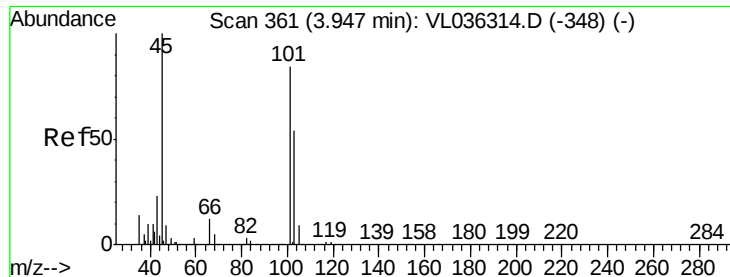
Tot Ion: 59 Resp: 1605468
Ion Ratio Lower Upper
59 100
57 11.3 9.0 13.4



#18
1,1-Dichloroethene
Concen: 11.313 ppbv
RT: 4.26 min Scan# 458
Delta R.T. -0.01 min
Lab File: VL036406.D
Acq: 26 Feb 2021 17:31

Tgt Ion: 96 Resp: 674288
Ion Ratio Lower Upper
96 100
61 202.3 162.5 243.7
98 59.0 48.5 72.7





#19

Isopropyl Alcohol

Concen: 10.259 ppbv

RT: 3.94 min Scan# 359

Delta R.T. -0.01 min

Lab File: VL036406.D

Acq: 26 Feb 2021 17:31

Instrument :

MSVOA_L

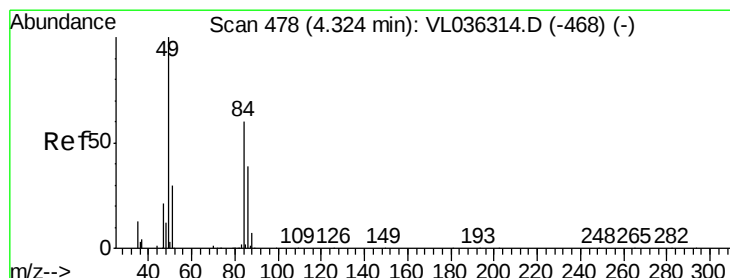
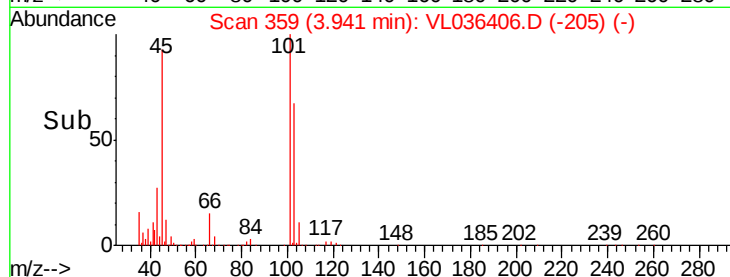
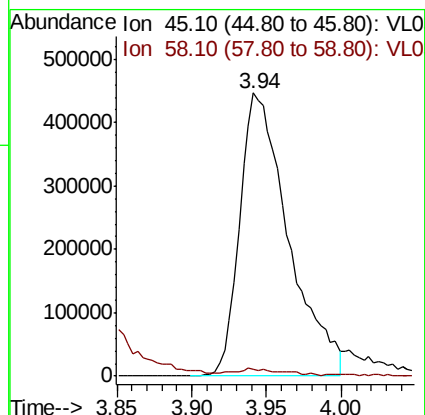
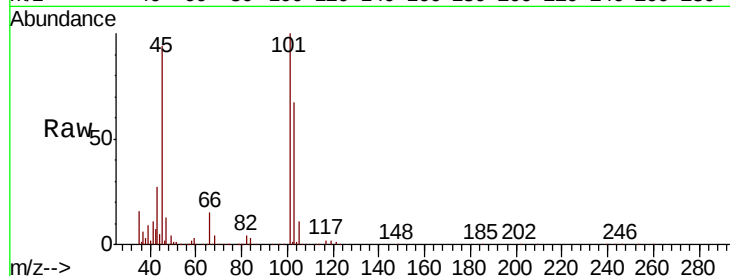
ClientSampled :

Tot Ion: 45 Resp: 1006507

Ion Ratio Lower Upper

45 100

58 3.5 1.9 2.9#



#20

Methylene Chloride

Concen: 10.154 ppbv

RT: 4.32 min Scan# 476

Delta R.T. -0.01 min

Lab File: VL036406.D

Acq: 26 Feb 2021 17:31

Tgt Ion: 84 Resp: 580127

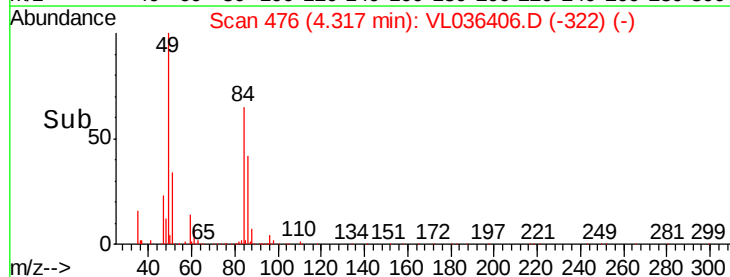
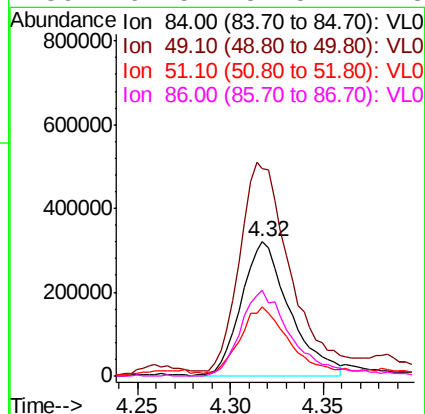
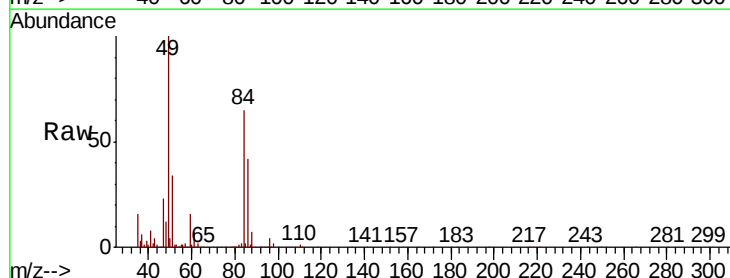
Ion Ratio Lower Upper

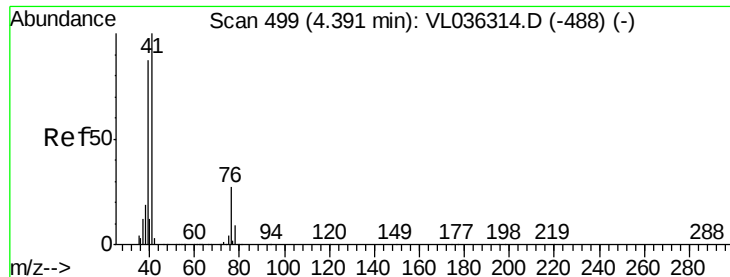
84 100

49 151.4 133.8 200.8

51 49.6 41.4 62.0

86 64.5 51.5 77.3





#21

Allvl Chloride

Concen: 11.524 ppbv

RT: 4.38 min Scan# 497

Delta R.T. -0.01 min

Lab File: VL036406.D

Acq: 26 Feb 2021 17:31

Instrument :

MSVOA_L

ClientSampleId :

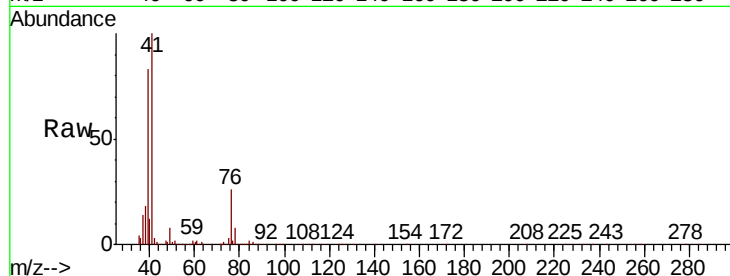
Tot Ion: 41 Resp: 1136293

Ion Ratio Lower Upper

41 100

76 28.3 22.0 33.0

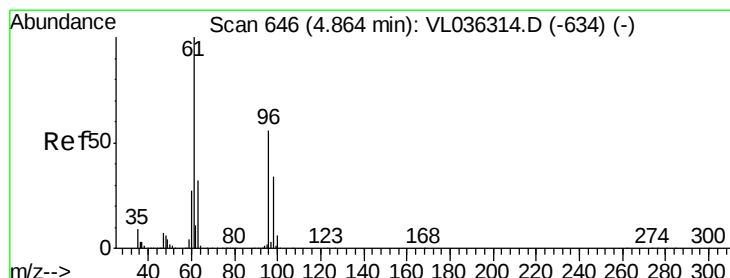
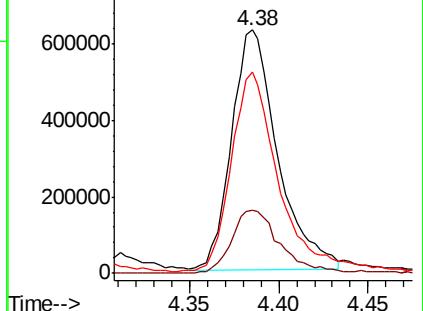
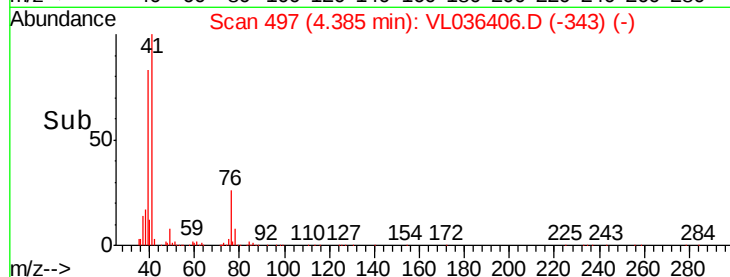
39 88.1 70.2 105.2



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: 12.287 ppbv

RT: 4.86 min Scan# 645

Delta R.T. -0.00 min

Lab File: VL036406.D

Acq: 26 Feb 2021 17:31

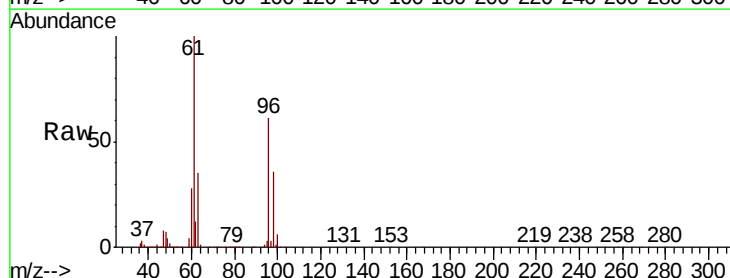
Tgt Ion: 96 Resp: 665241

Ion Ratio Lower Upper

96 100

61 162.7 143.7 215.5

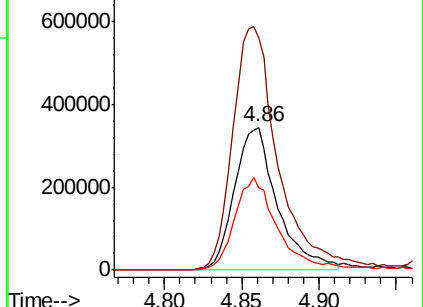
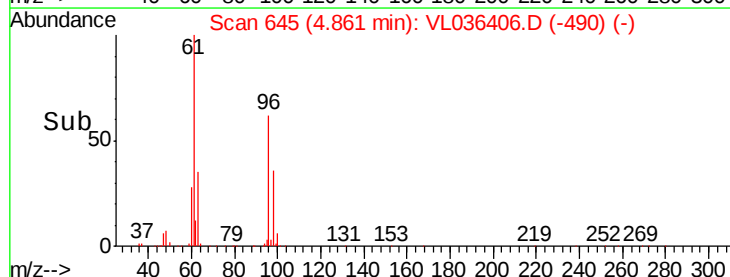
98 57.8 48.5 72.7

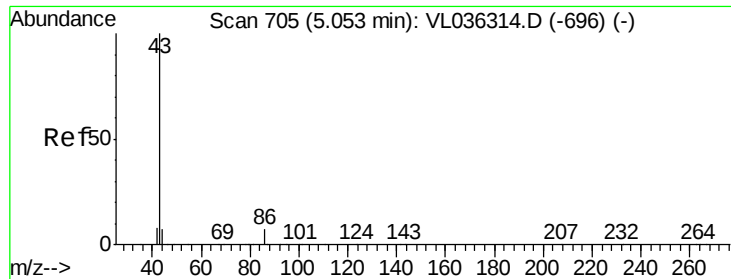


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



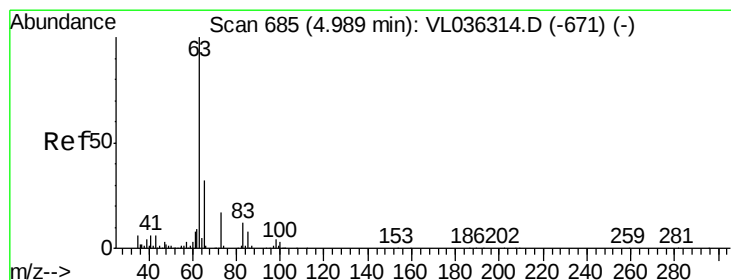
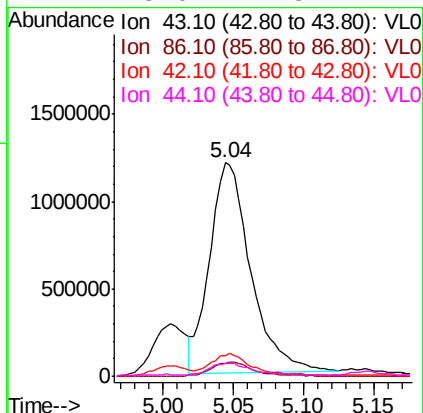
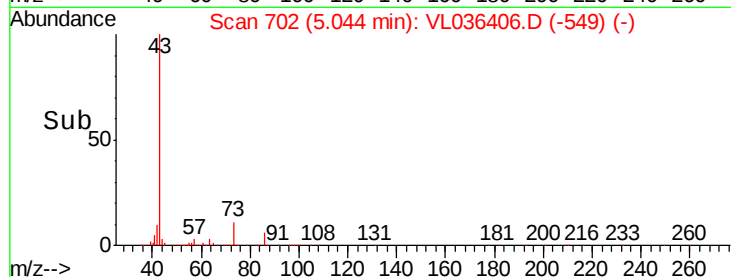
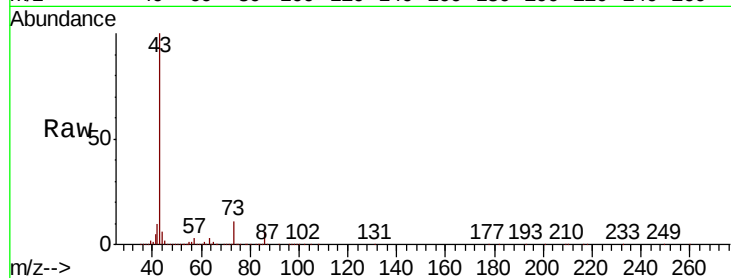


#23
 Vinyl Acetate
 Concen: 11.784 ppbv
 RT: 5.04 min Scan# 702
 Delta R.T. -0.01 min
 Lab File: VL036406.D
 Acq: 26 Feb 2021 17:31

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 43 Resp: 2453701

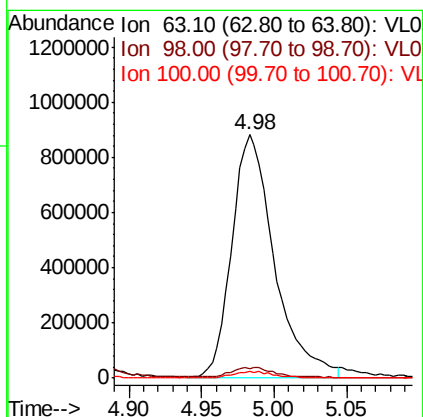
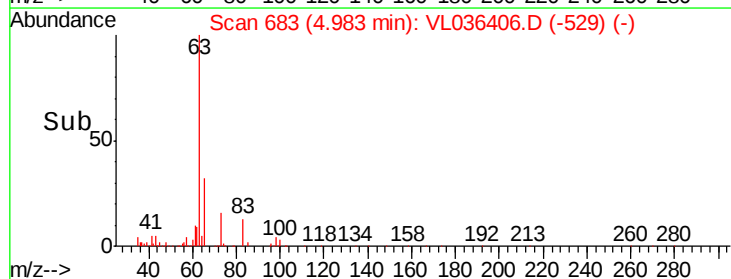
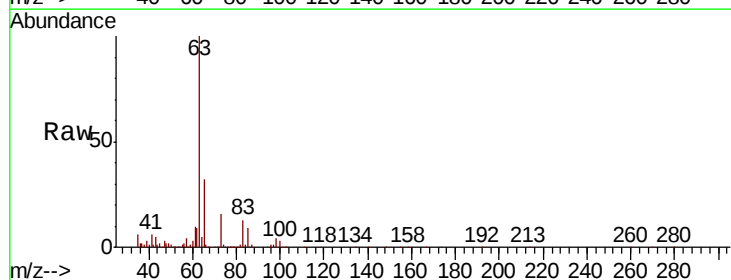
Ion	Ratio	Lower	Upper
43	100		
86	5.8	4.8	7.2
42	9.6	7.4	11.0
44	5.0	4.8	7.2

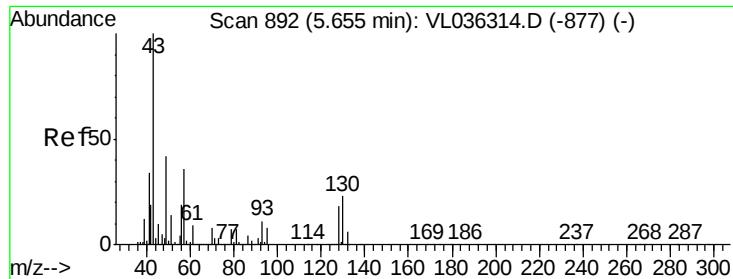


#24
 1,1-Dichloroethane
 Concen: 11.642 ppbv
 RT: 4.98 min Scan# 683
 Delta R.T. -0.01 min
 Lab File: VL036406.D
 Acq: 26 Feb 2021 17:31

Tgt Ion: 63 Resp: 1792878

Ion	Ratio	Lower	Upper
63	100		
98	3.7	2.0	6.0
100	2.6	1.5	4.4



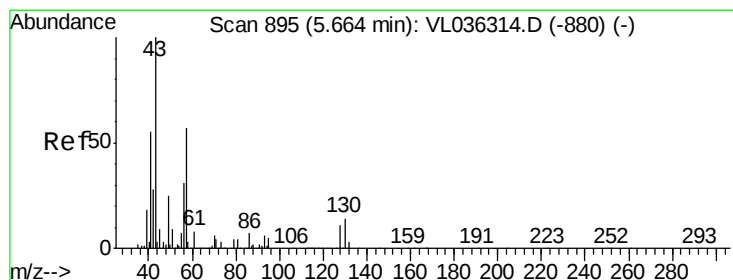
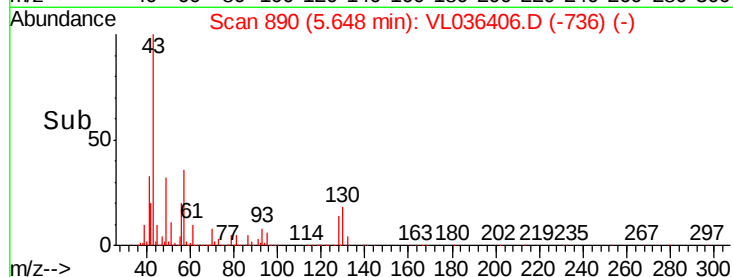
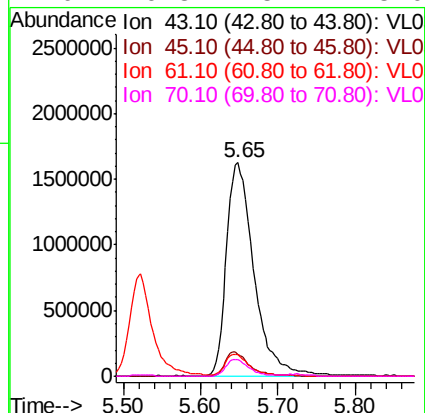
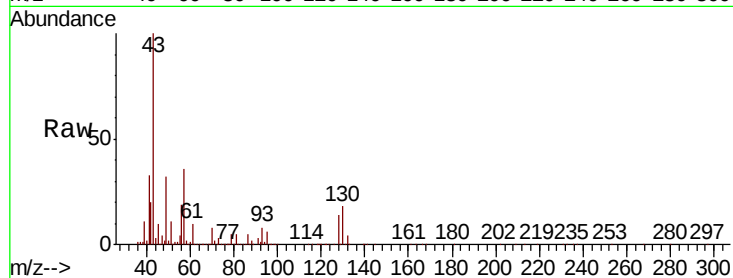


#25
Ethyl Acetate
Concen: 11.735 ppbv
RT: 5.65 min Scan# 890
Delta R.T. -0.01 min
Lab File: VL036406.D
Acq: 26 Feb 2021 17:31

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 43 Resp: 4011901

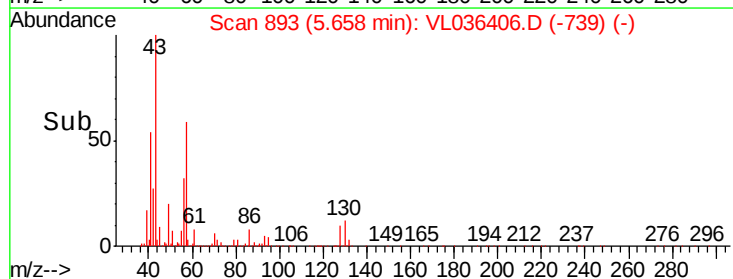
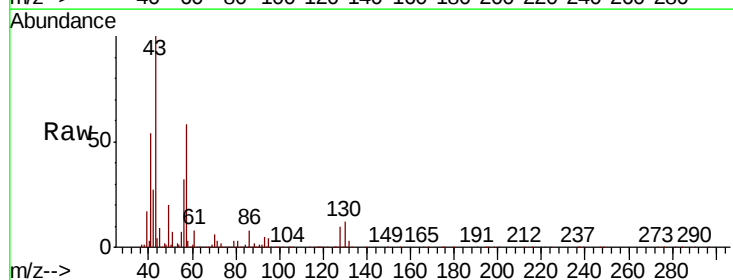
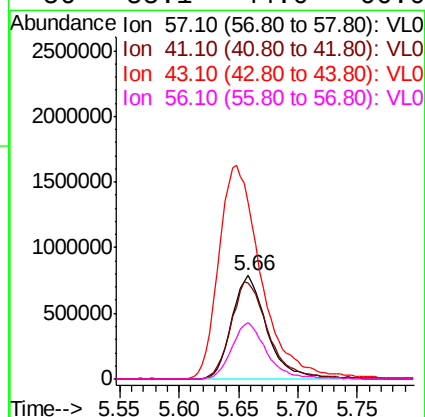
Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.3	12.5
61	9.7	7.3	10.9
70	6.8	5.4	8.0

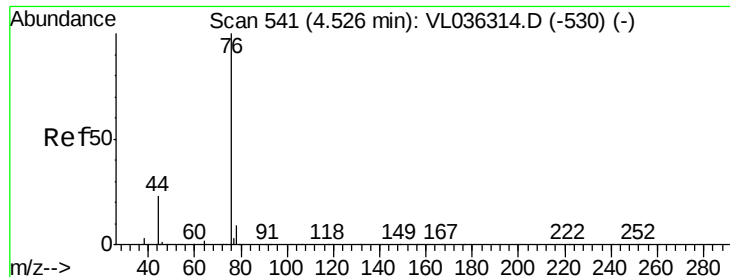


#26
Hexane
Concen: 11.419 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.01 min
Lab File: VL036406.D
Acq: 26 Feb 2021 17:31

Tgt Ion: 57 Resp: 1604086

Ion	Ratio	Lower	Upper
57	100		
41	101.1	81.7	122.5
43	252.1	199.1	298.7
56	55.1	44.0	66.0





#27

Carbon Disulfide

Concen: 13.591 ppbv

RT: 4.52 min Scan# 539

Delta R.T. -0.01 min

Lab File: VL036406.D

Acq: 26 Feb 2021 17:31

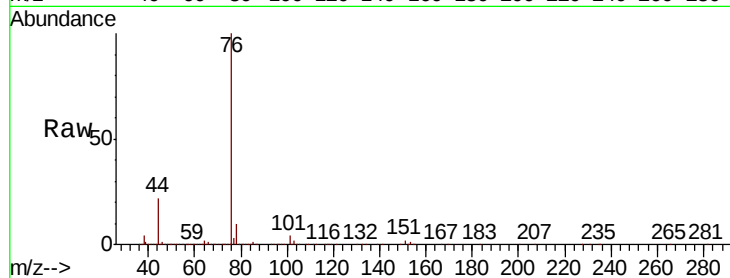
Instrument :

MSVOA_L

ClientSampled :

Tot Ion: 76 Resp: 1754580

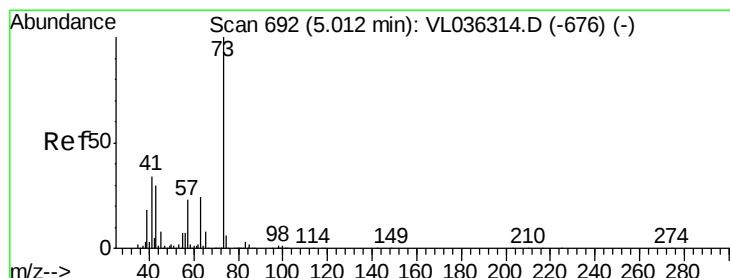
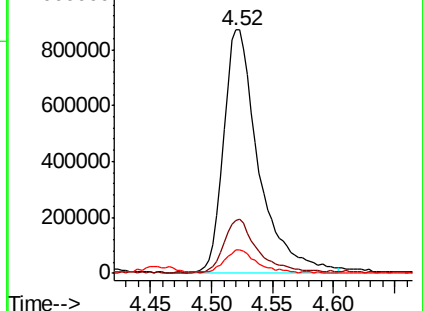
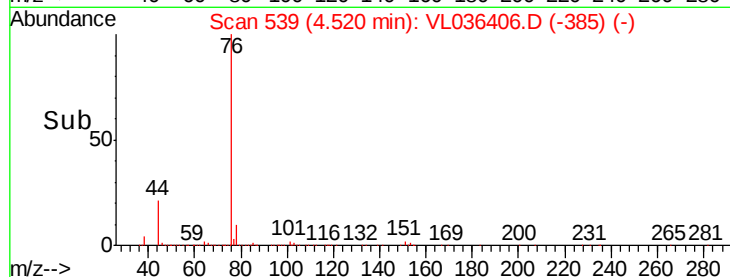
Ion	Ratio	Lower	Upper
76	100		
44	21.8	18.4	27.6
78	9.6	8.0	12.0



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: 12.252 ppbv

RT: 5.01 min Scan# 690

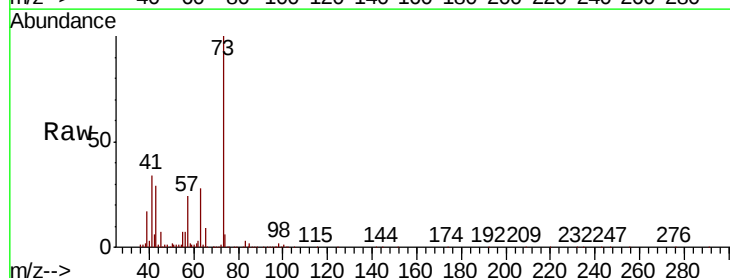
Delta R.T. -0.01 min

Lab File: VL036406.D

Acq: 26 Feb 2021 17:31

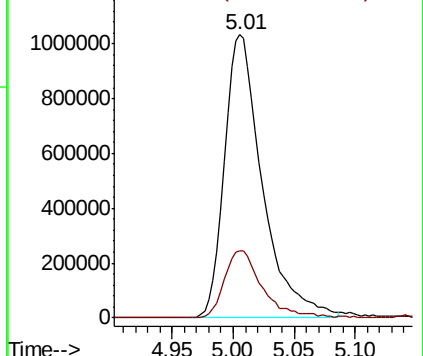
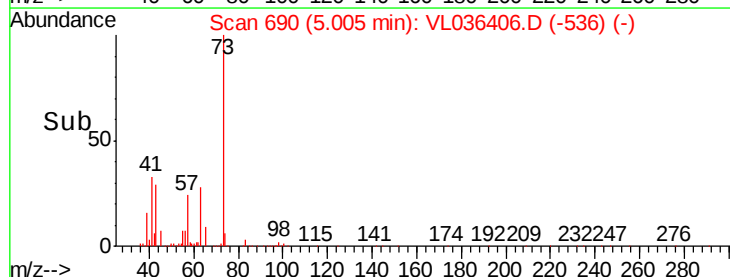
Tgt Ion: 73 Resp: 2248262

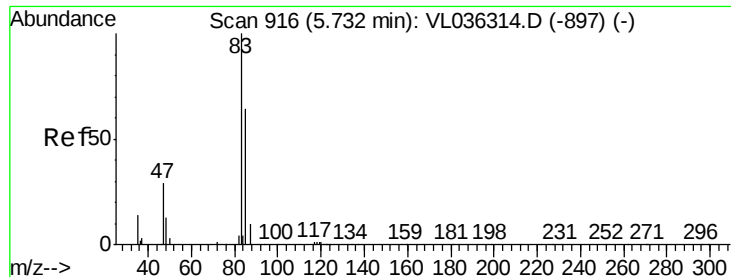
Ion	Ratio	Lower	Upper
73	100		
57	24.1	19.2	28.8



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 11.344 ppbv

RT: 5.73 min Scan# 914

Delta R.T. -0.01 min

Lab File: VL036406.D

Acq: 26 Feb 2021 17:31

Instrument :

MSVOA_L

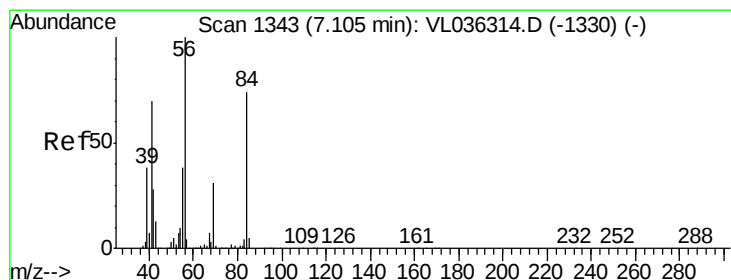
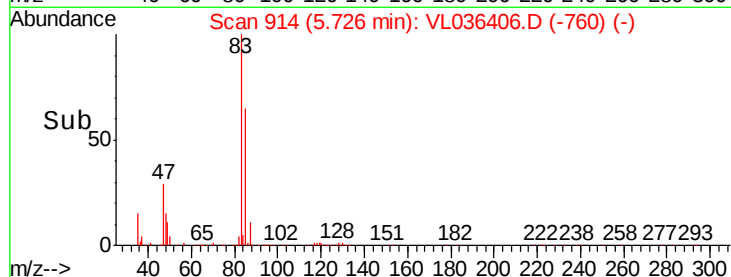
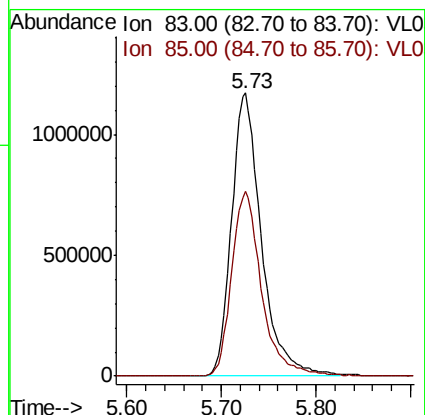
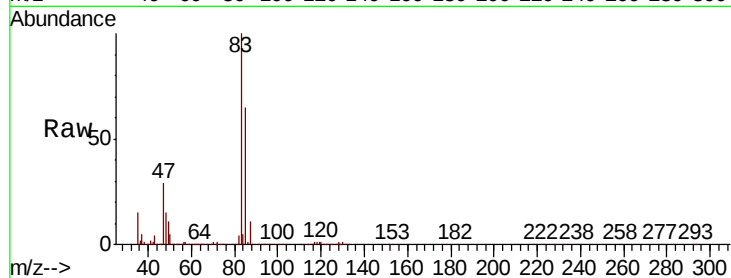
ClientSampleId :

Tot Ion: 83 Resp: 2567247

Ion Ratio Lower Upper

83 100

85 65.0 51.4 77.2



#30

Cyclohexane

Concen: 11.278 ppbv

RT: 7.10 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VL036406.D

Acq: 26 Feb 2021 17:31

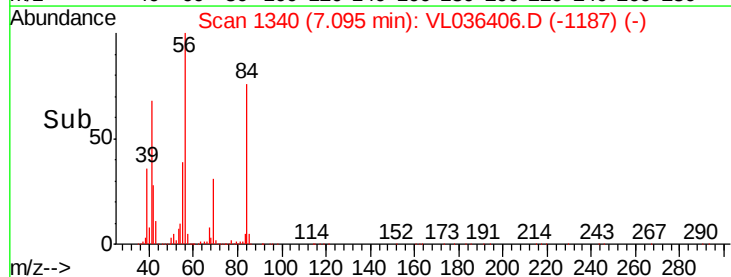
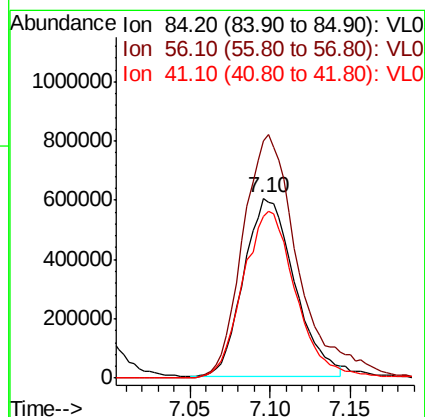
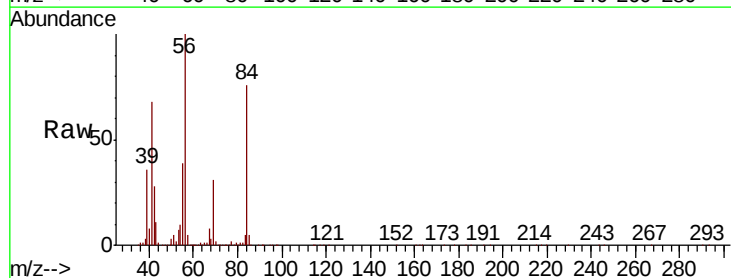
Tgt Ion: 84 Resp: 1317518

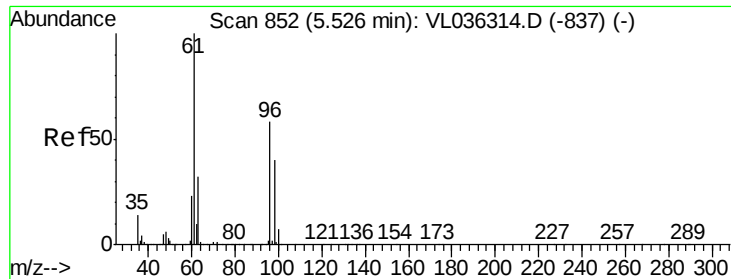
Ion Ratio Lower Upper

84 100

56 150.0 120.2 180.4

41 97.3 79.7 119.5



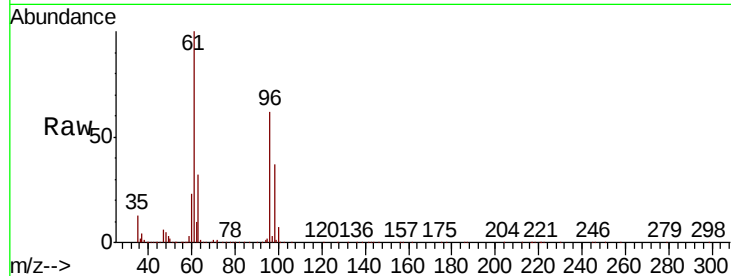


#31

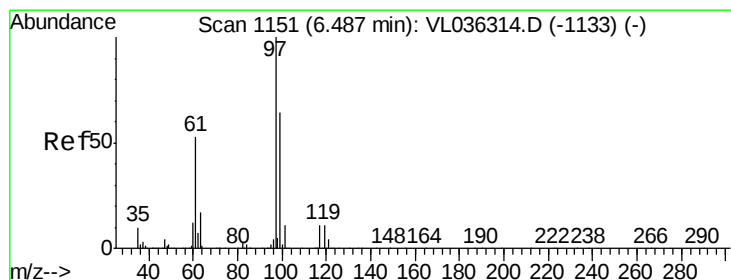
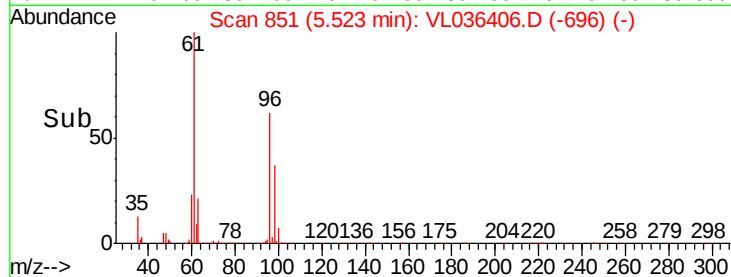
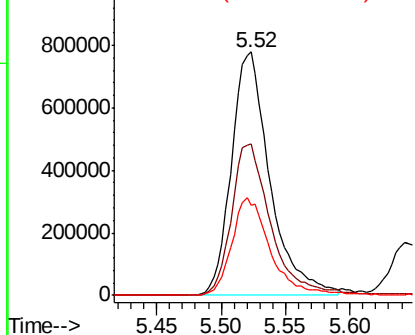
cis-1,2-Dichloroethene
Concen: 11.643 ppbv
RT: 5.52 min Scan# 851
Delta R.T. -0.00 min
Lab File: VL036406.D
Acq: 26 Feb 2021 17:31

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 61 Resp: 1618235
Ion Ratio Lower Upper
61 100
96 62.0 46.0 69.0
98 37.0 31.9 47.9



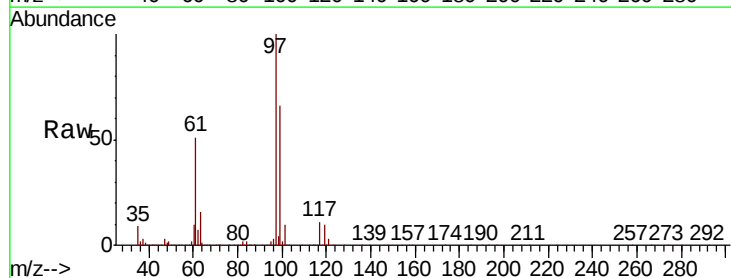
Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



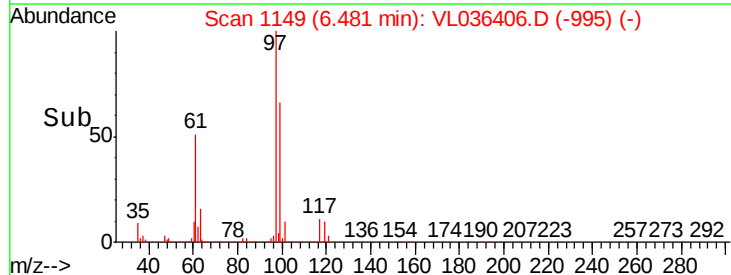
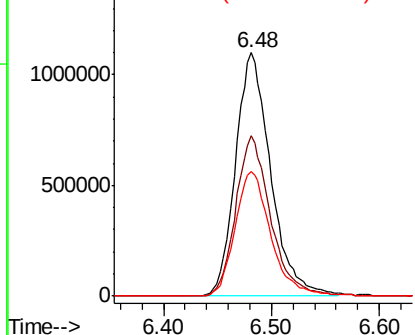
#32

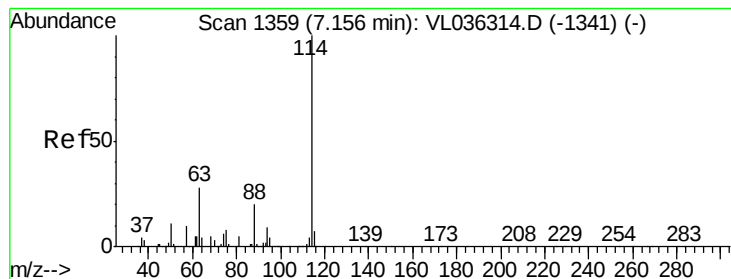
1,1,1-Trichloroethane
Concen: 11.813 ppbv
RT: 6.48 min Scan# 1149
Delta R.T. -0.01 min
Lab File: VL036406.D
Acq: 26 Feb 2021 17:31

Tgt Ion: 97 Resp: 2499284
Ion Ratio Lower Upper
97 100
99 65.3 52.2 78.4
61 52.4 43.3 64.9



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.15 min Scan# 1356

Delta R.T. -0.01 min

Lab File: VL036406.D

Acq: 26 Feb 2021 17:31

Instrument :

MSVOA_L

ClientSampleId :

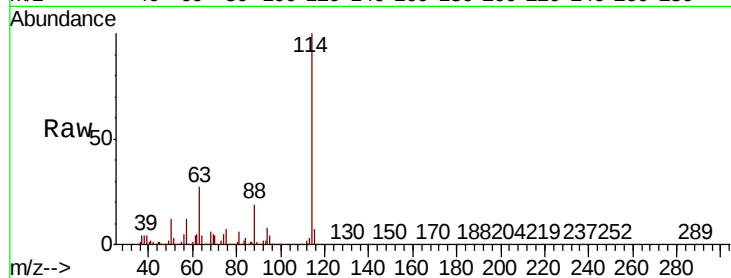
Tot Ion:114 Resp: 3395483

Ion Ratio Lower Upper

114 100

63 28.8 24.1 36.1

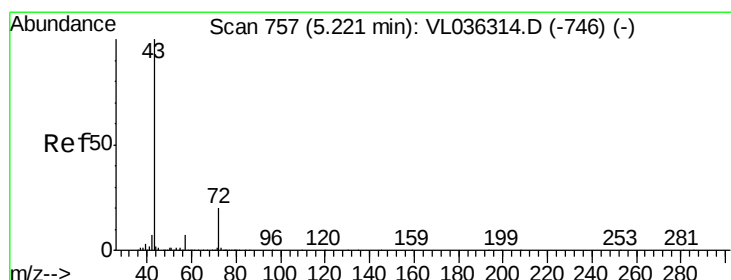
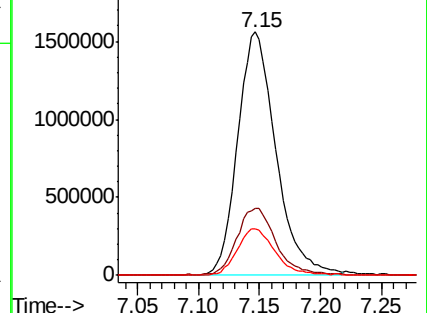
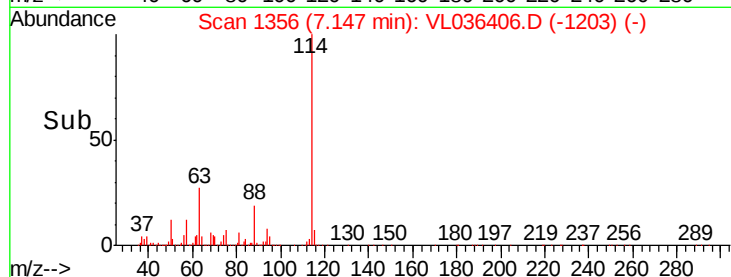
88 19.3 16.0 24.0



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 11.074 ppbv

RT: 5.22 min Scan# 756

Delta R.T. -0.00 min

Lab File: VL036406.D

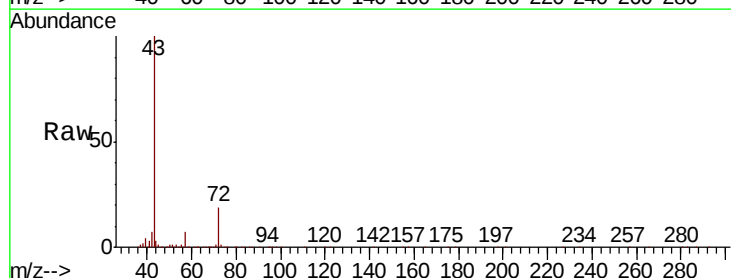
Acq: 26 Feb 2021 17:31

Tgt Ion: 43 Resp: 2498302

Ion Ratio Lower Upper

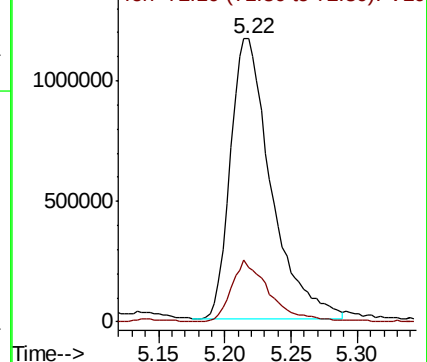
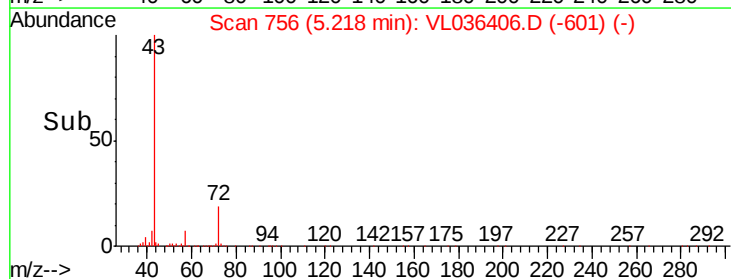
43 100

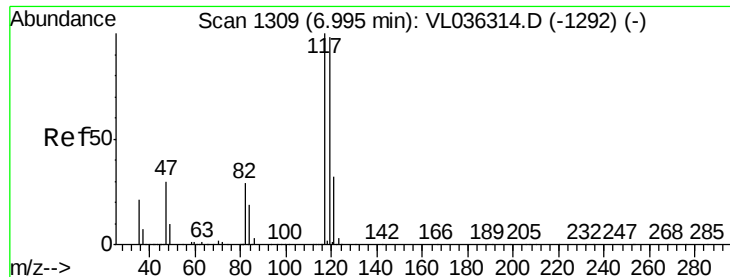
72 21.2 16.7 25.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 11.147 ppbv

RT: 6.99 min Scan# 1306

Delta R.T. -0.01 min

Lab File: VL036406.D

Acq: 26 Feb 2021 17:31

Instrument :

MSVOA_L

ClientSampled :

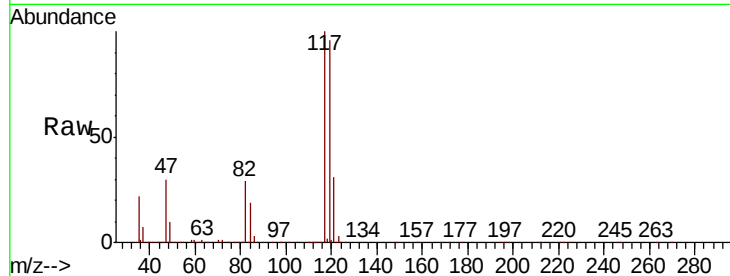
Tot Ion:117 Resp: 2536719

Ion Ratio Lower Upper

117 100

119 96.2 78.1 117.1

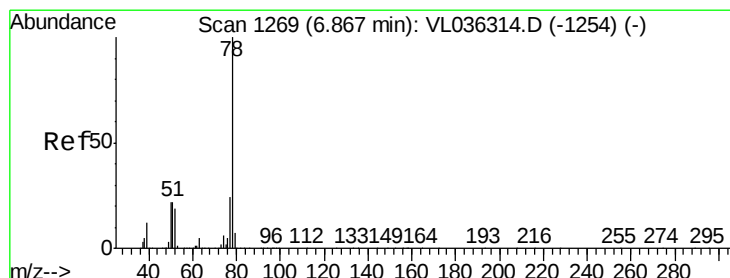
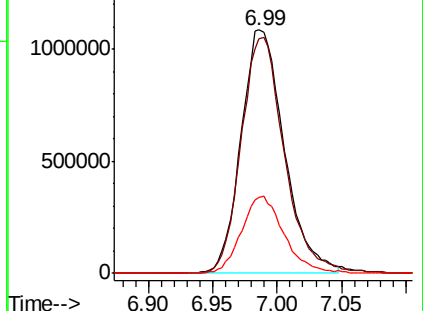
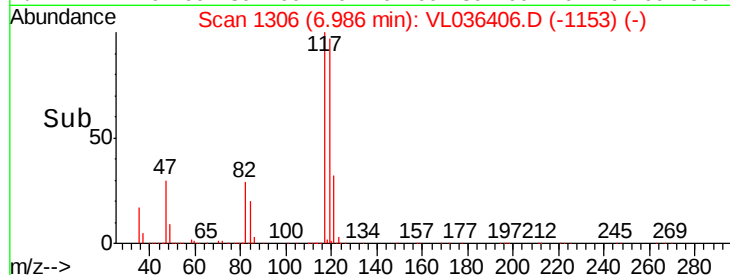
121 31.2 25.8 38.8



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: 11.652 ppbv

RT: 6.86 min Scan# 1266

Delta R.T. -0.01 min

Lab File: VL036406.D

Acq: 26 Feb 2021 17:31

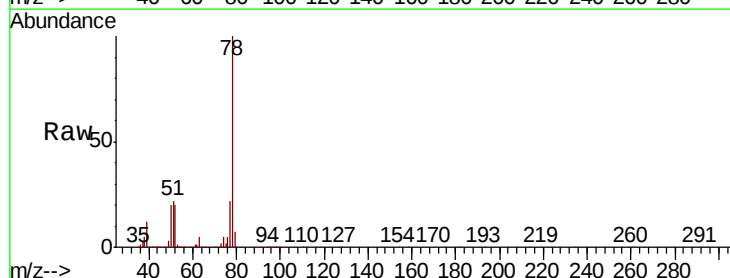
Tgt Ion: 78 Resp: 3360959

Ion Ratio Lower Upper

78 100

77 21.6 18.9 28.3

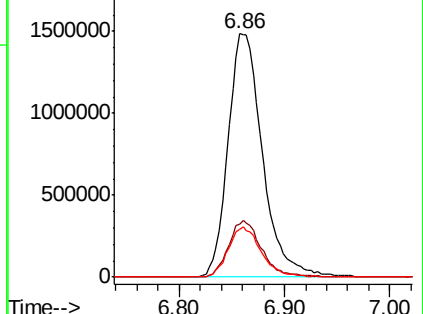
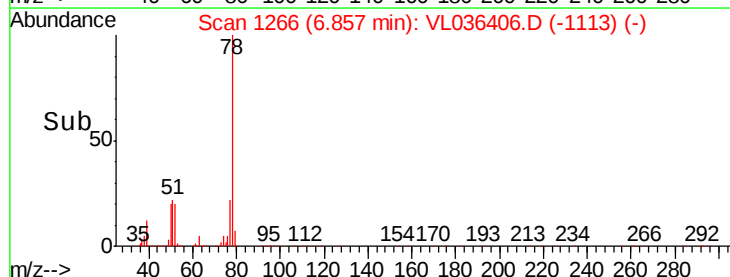
50 19.7 17.3 25.9

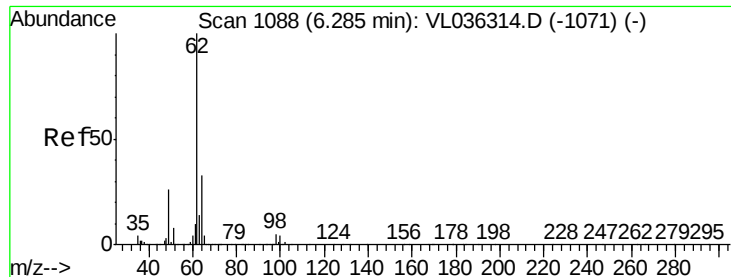


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

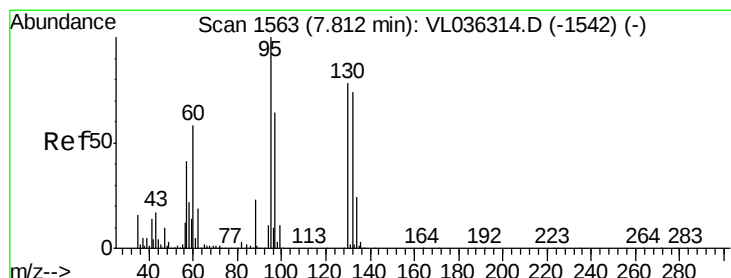
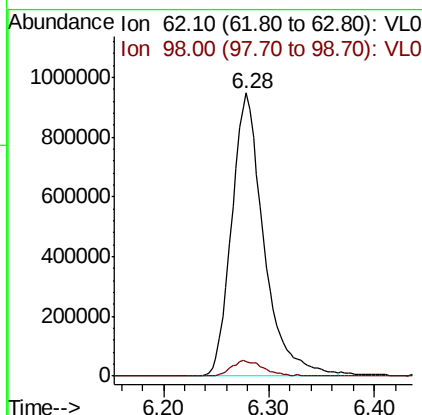
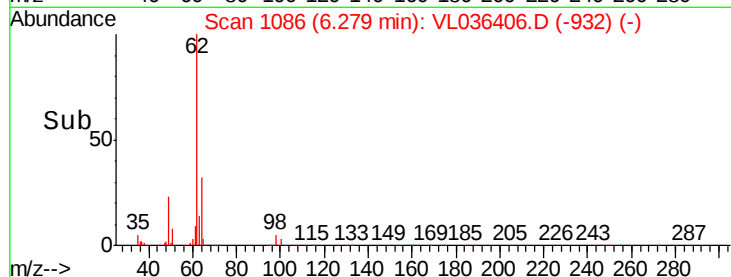
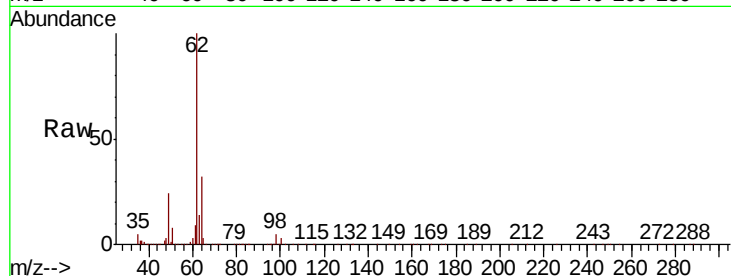




#37
 1,2-Dichloroethane
 Concen: 11.241 ppbv
 RT: 6.28 min Scan# 1086
 Delta R.T. -0.01 min
 Lab File: VL036406.D
 Acq: 26 Feb 2021 17:31

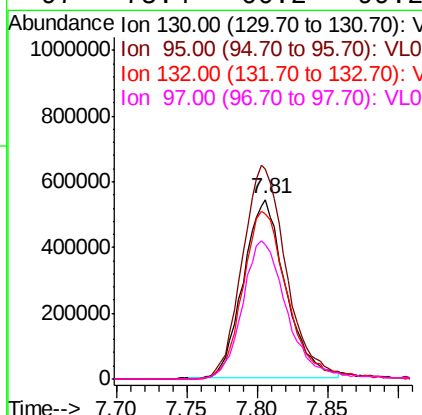
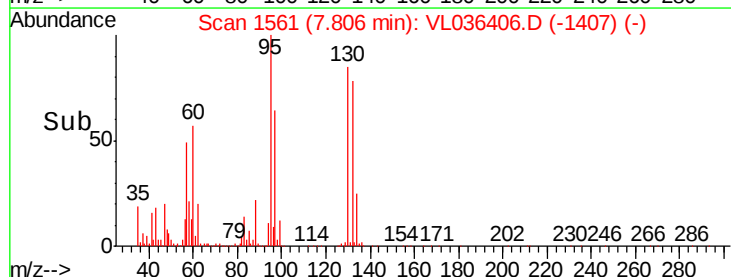
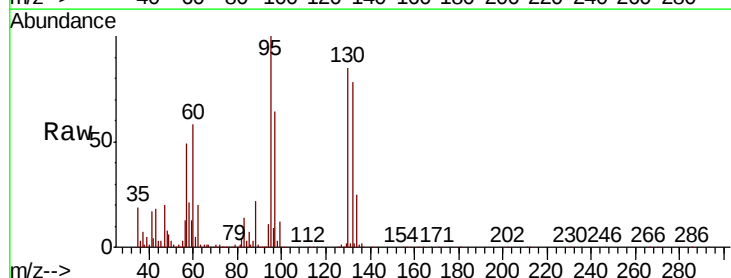
Instrument :
 MSVOA_L
 ClientSampleId :

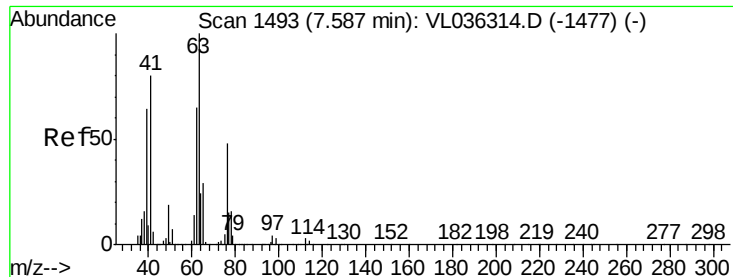
Tot Ion: 62 Resp: 2004575
 Ion Ratio Lower Upper
 62 100
 98 6.0 4.5 6.7



#38
 Trichloroethene
 Concen: 11.069 ppbv
 RT: 7.81 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: VL036406.D
 Acq: 26 Feb 2021 17:31

Tgt Ion: 130 Resp: 1143775
 Ion Ratio Lower Upper
 130 100
 95 117.4 102.8 154.2
 132 92.1 75.7 113.5
 97 75.4 66.2 99.2



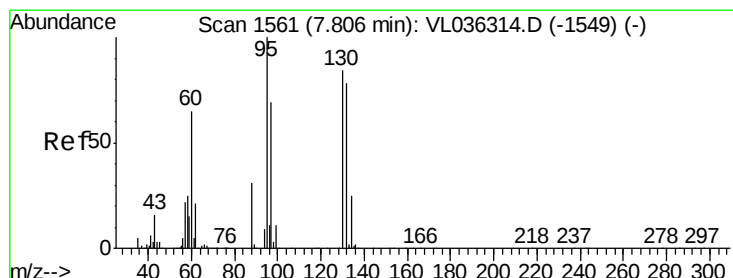
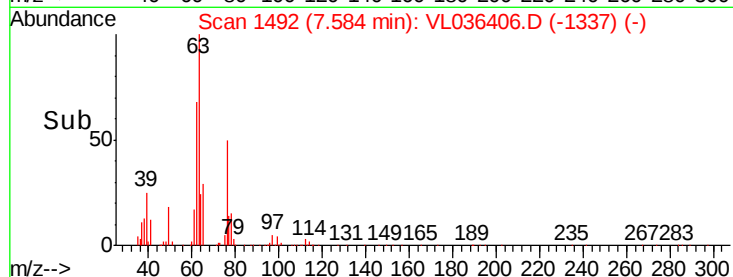
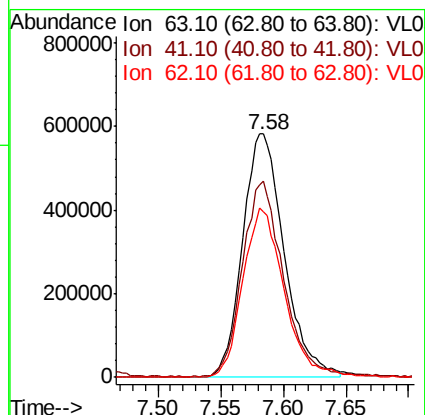
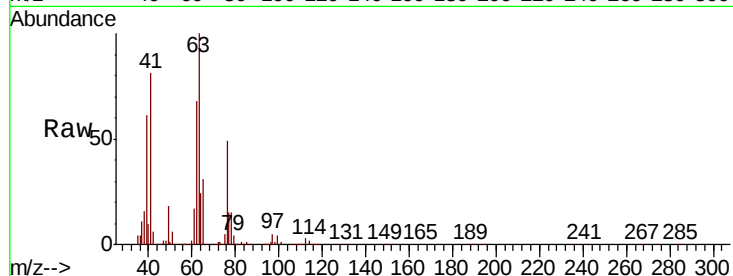


#39
 1,2-Dichloropropane
 Concen: 11.442 ppbv
 RT: 7.58 min Scan# 1492
 Delta R.T. -0.00 min
 Lab File: VL036406.D
 Acq: 26 Feb 2021 17:31

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 63 Resp: 1340616

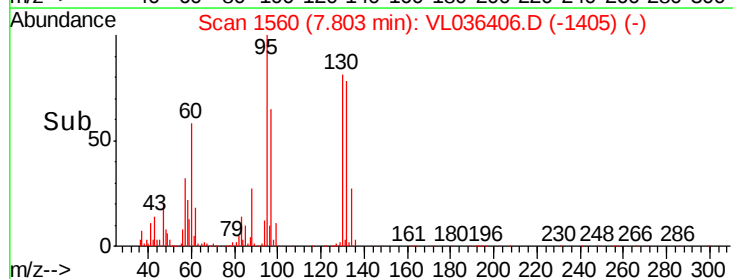
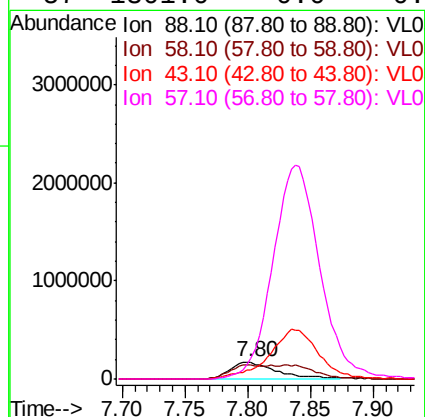
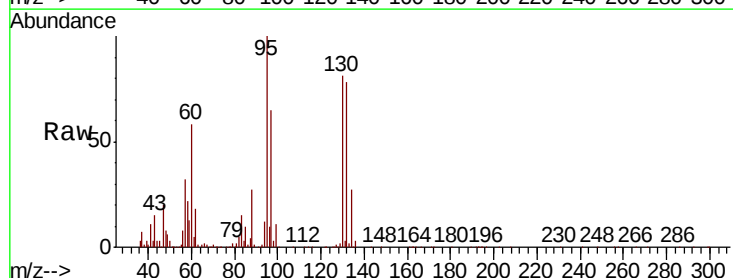
Ion	Ratio	Lower	Upper
63	100		
41	80.4	63.8	95.6
62	68.1	52.3	78.5

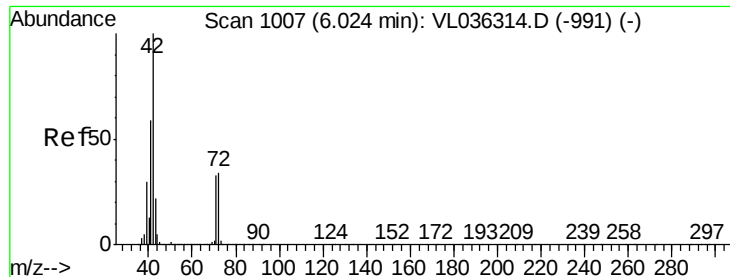


#40
 1,4-Dioxane
 Concen: 10.863 ppbv
 RT: 7.80 min Scan# 1560
 Delta R.T. -0.00 min
 Lab File: VL036406.D
 Acq: 26 Feb 2021 17:31

Tgt Ion: 88 Resp: 440977

Ion	Ratio	Lower	Upper
88	100		
58	143.7	45.0	67.4#
43	316.2	0.0	0.0#
57	1301.0	0.0	0.0#

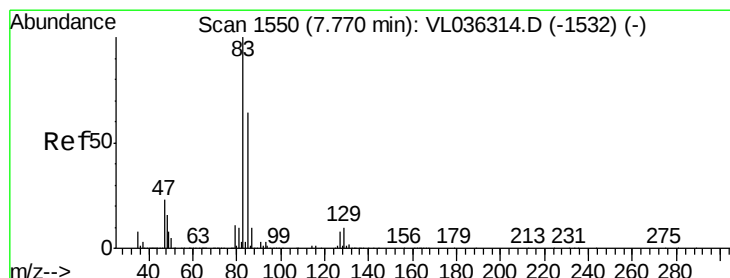
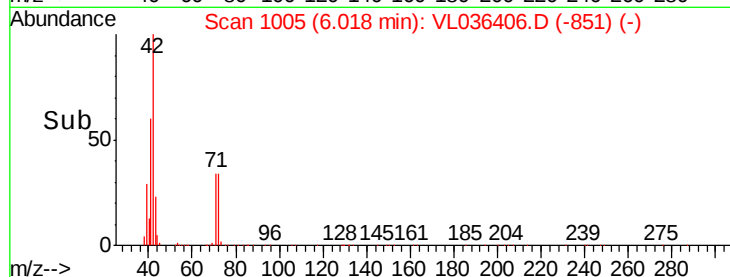
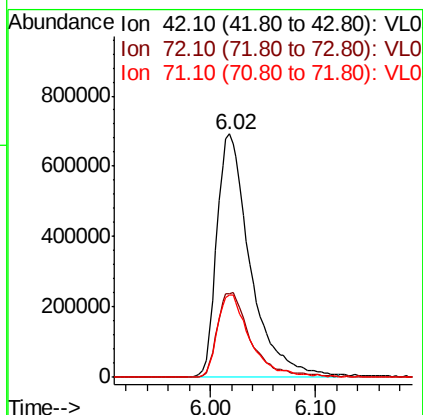
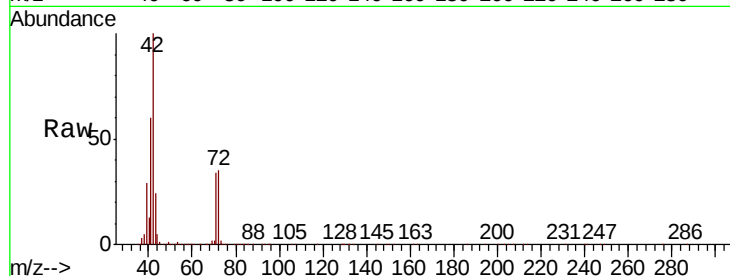




#41
Tetrahydrofuran
Concen: 12.075 ppbv
RT: 6.02 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VL036406.D
Acq: 26 Feb 2021 17:31

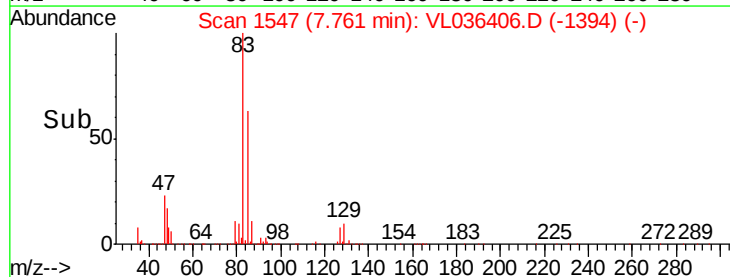
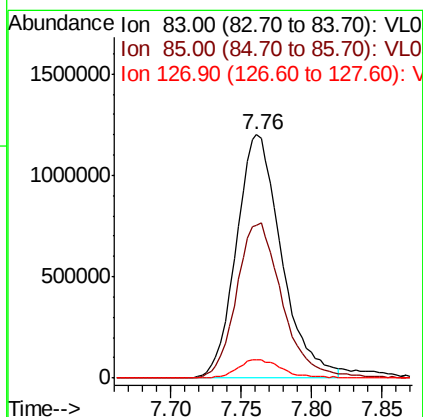
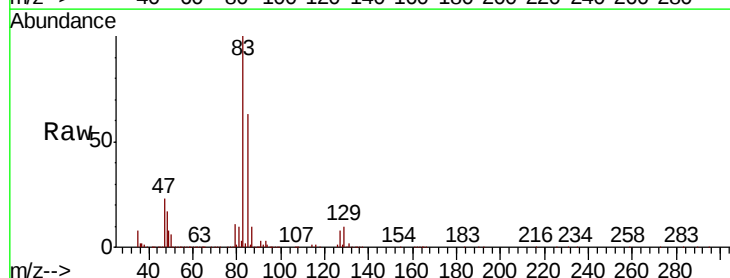
Instrument :
MSVOA_L
ClientSampleId :

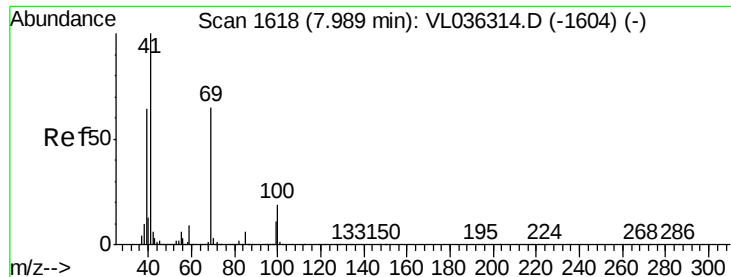
Tot Ion: 42 Resp: 1520191
Ion Ratio Lower Upper
42 100
72 35.4 29.3 43.9
71 33.8 27.8 41.8



#42
Bromodichloromethane
Concen: 11.261 ppbv
RT: 7.76 min Scan# 1547
Delta R.T. -0.01 min
Lab File: VL036406.D
Acq: 26 Feb 2021 17:31

Tgt Ion: 83 Resp: 2689557
Ion Ratio Lower Upper
83 100
85 62.8 51.1 76.7
127 7.6 6.3 9.5

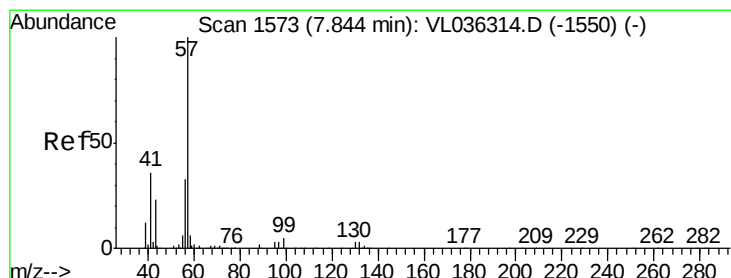
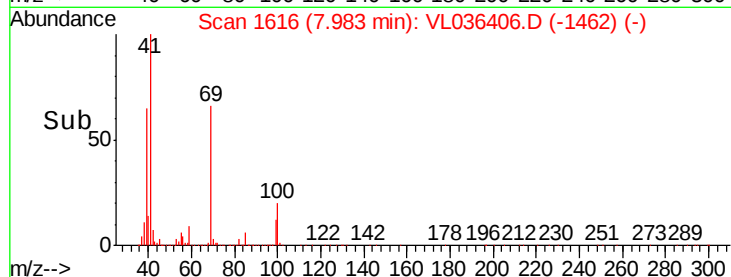
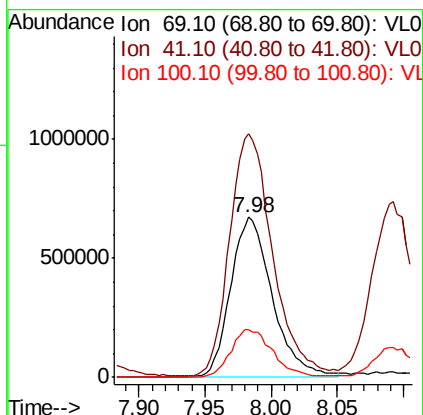
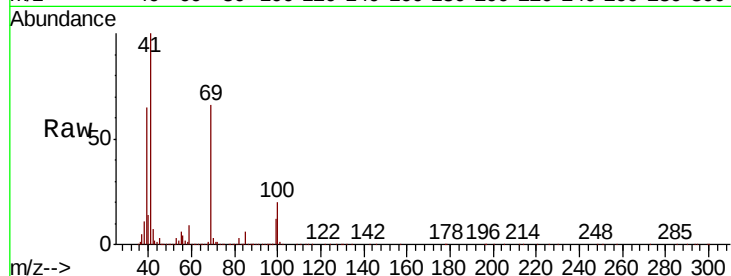




#43
Methvl Methacrilate
Concen: 12.106 ppbv
RT: 7.98 min Scan# 1616
Delta R.T. -0.01 min
Lab File: VL036406.D
Acq: 26 Feb 2021 17:31

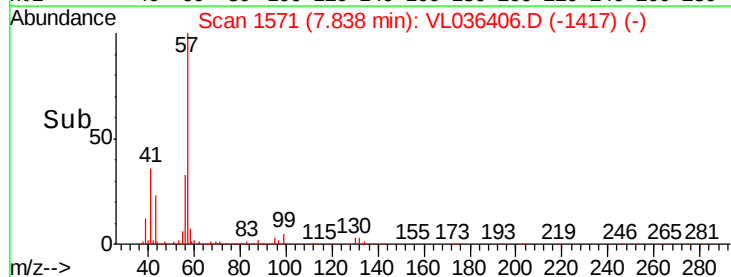
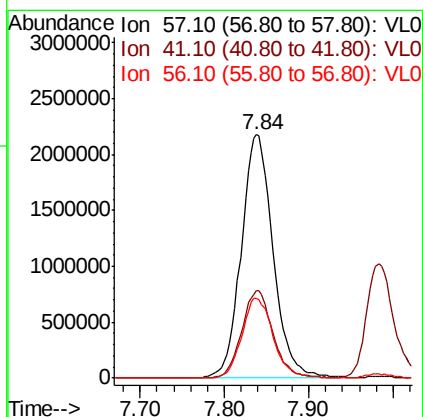
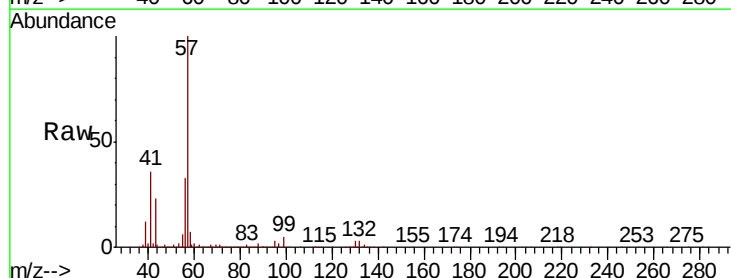
Instrument :
MSVOA_L
ClientSampleId :

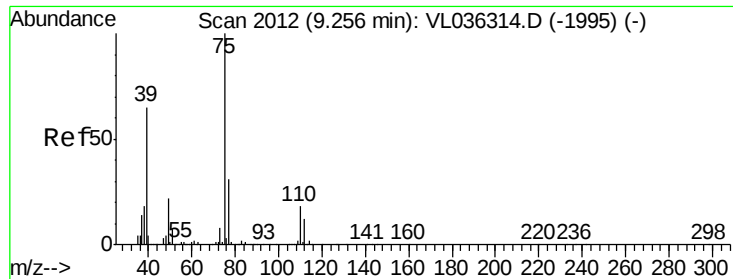
Tot Ion: 69 Resp: 1472581
Ion Ratio Lower Upper
69 100
41 157.6 126.5 189.7
100 30.3 23.1 34.7



#44
2,2,4-Trimethylpentane
Concen: 10.915 ppbv
RT: 7.84 min Scan# 1571
Delta R.T. -0.01 min
Lab File: VL036406.D
Acq: 26 Feb 2021 17:31

Tgt Ion: 57 Resp: 5724640
Ion Ratio Lower Upper
57 100
41 35.1 28.8 43.2
56 32.2 25.8 38.6

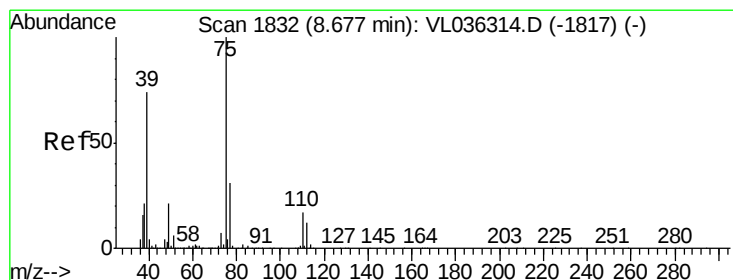
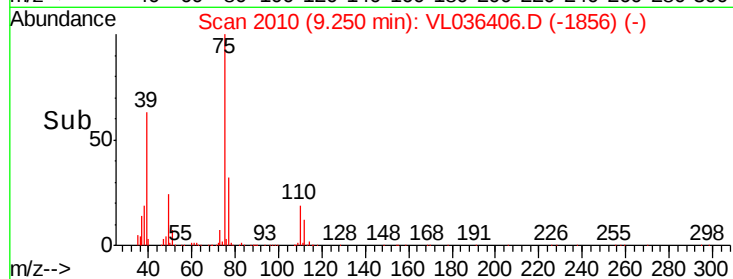
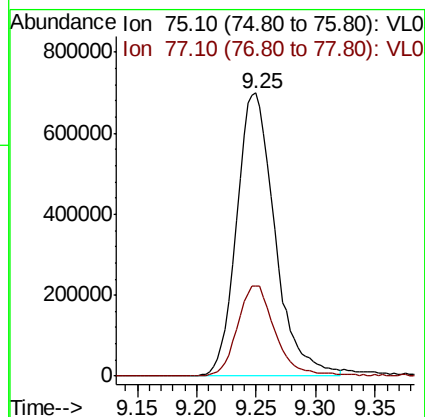
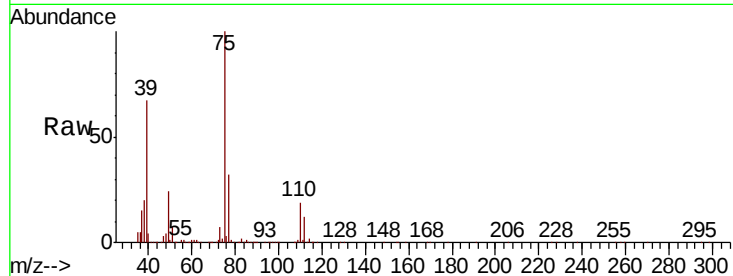




#45
t-1,3-Dichloropropene
Concen: 13.255 ppbv
RT: 9.25 min Scan# 2010
Delta R.T. -0.01 min
Lab File: VL036406.D
Acq: 26 Feb 2021 17:31

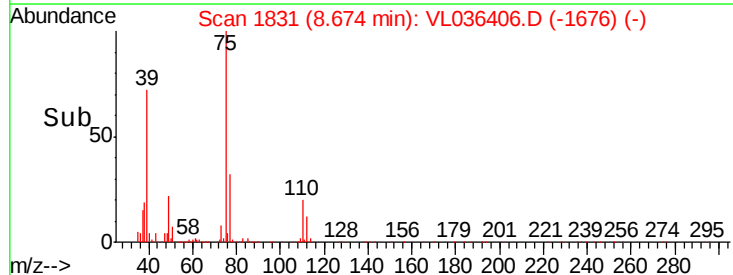
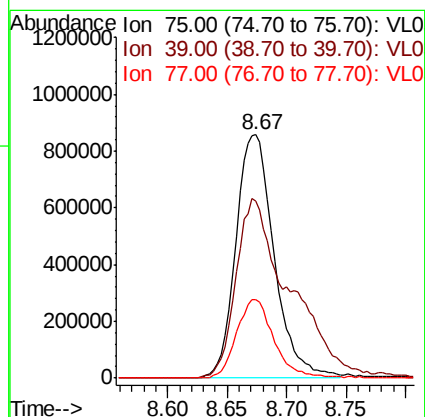
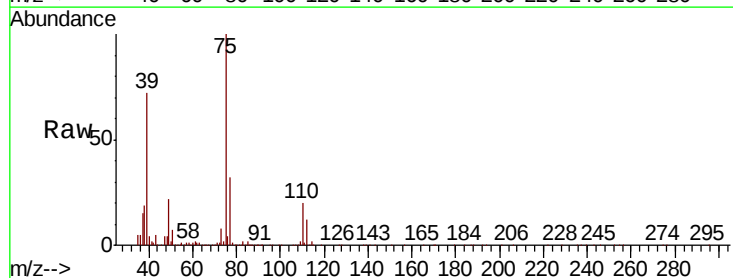
Instrument :
MSVOA_L
ClientSampleId :

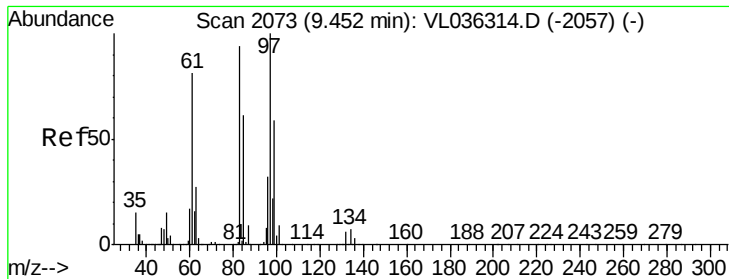
Tot Ion: 75 Resp: 1555434
Ion Ratio Lower Upper
75 100
77 31.9 24.6 37.0



#46
cis-1,3-Dichloropropene
Concen: 12.841 ppbv
RT: 8.67 min Scan# 1831
Delta R.T. -0.00 min
Lab File: VL036406.D
Acq: 26 Feb 2021 17:31

Tgt Ion: 75 Resp: 1914060
Ion Ratio Lower Upper
75 100
39 72.1 59.2 88.8
77 32.4 25.0 37.6

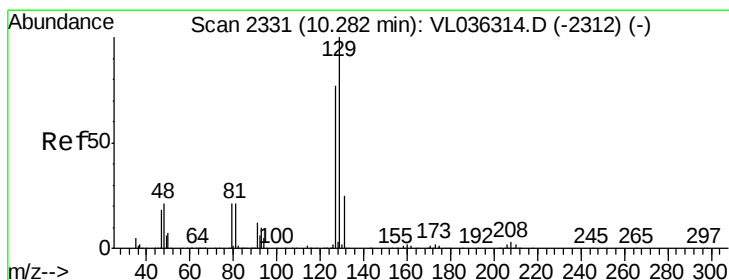
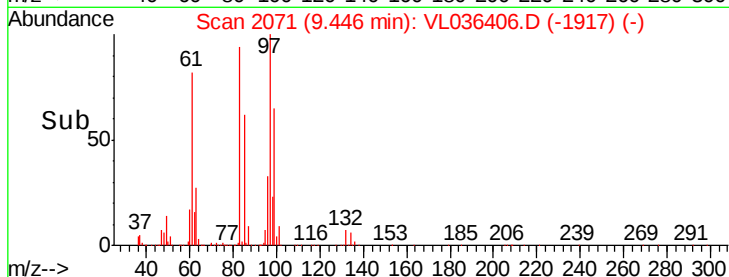
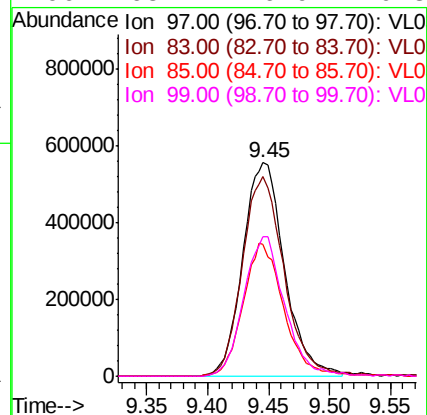
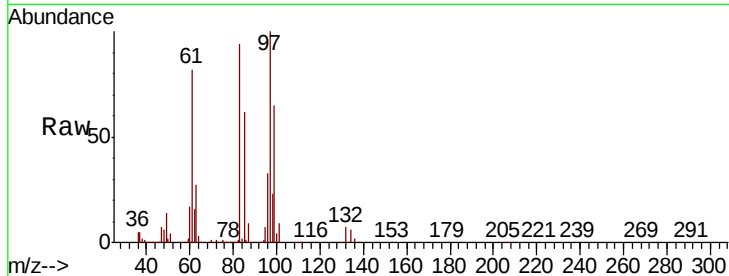




#47
 1,1,2-Trichloroethane
 Concen: 10.958 ppbv
 RT: 9.45 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VL036406.D
 Acq: 26 Feb 2021 17:31

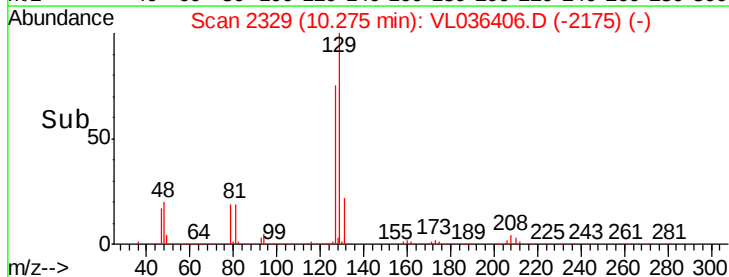
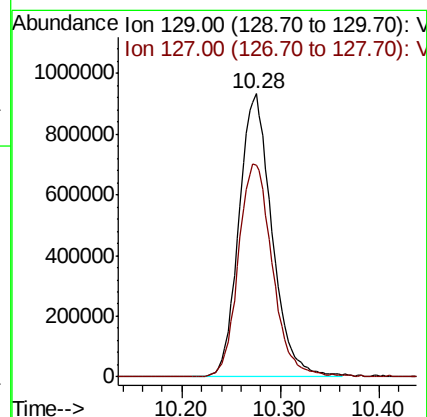
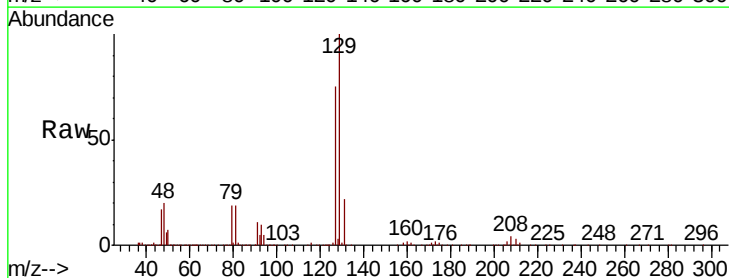
Instrument :
 MSVOA_L
 ClientSampleId :

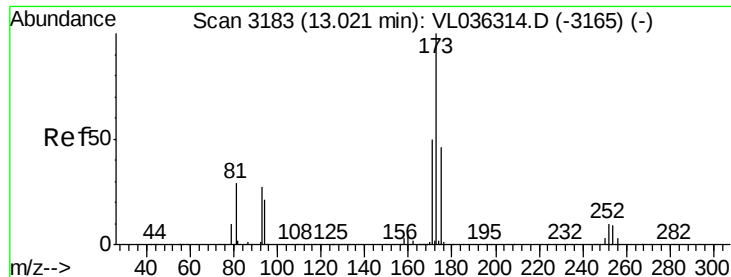
Tot Ion: 97 Resp: 1314015
 Ion Ratio Lower Upper
 97 100
 83 93.7 75.4 113.0
 85 61.8 48.9 73.3
 99 65.1 46.9 70.3



#48
 Dibromochloromethane
 Concen: 12.110 ppbv
 RT: 10.28 min Scan# 2329
 Delta R.T. -0.01 min
 Lab File: VL036406.D
 Acq: 26 Feb 2021 17:31

Tgt Ion: 129 Resp: 2166785
 Ion Ratio Lower Upper
 129 100
 127 78.1 39.1 117.2





#49

Bromoform

Concen: 11.888 ppbv

RT: 13.01 min Scan# 3180

Delta R.T. -0.01 min

Lab File: VL036406.D

Acq: 26 Feb 2021 17:31

Instrument :

MSVOA_L

ClientSampled :

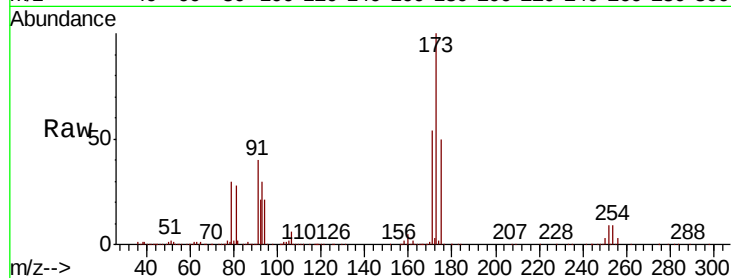
Tot Ion:173 Resp: 1719637

Ion Ratio Lower Upper

173 100

175 49.3 40.2 60.2

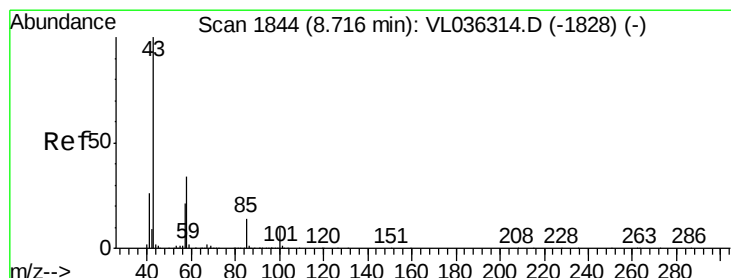
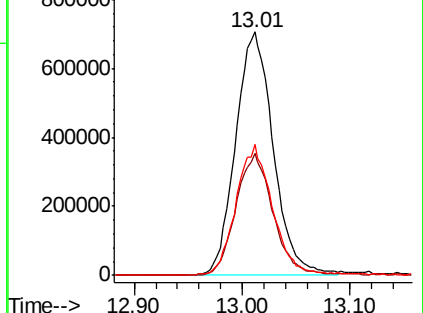
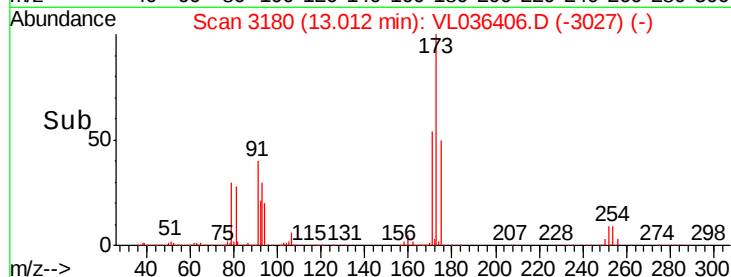
171 52.6 43.4 65.2



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: 11.463 ppbv

RT: 8.71 min Scan# 1842

Delta R.T. -0.01 min

Lab File: VL036406.D

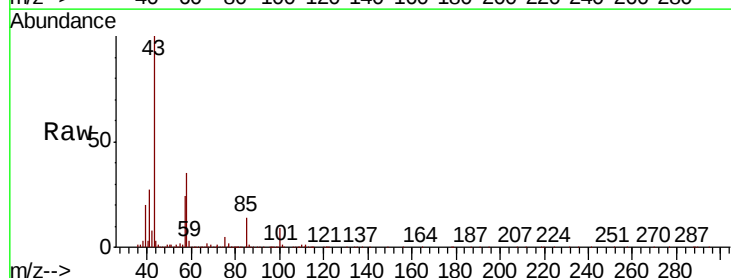
Acq: 26 Feb 2021 17:31

Tgt Ion: 43 Resp: 3839312

Ion Ratio Lower Upper

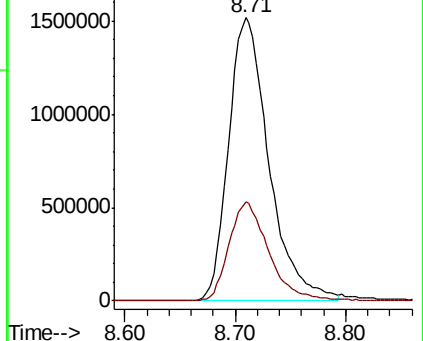
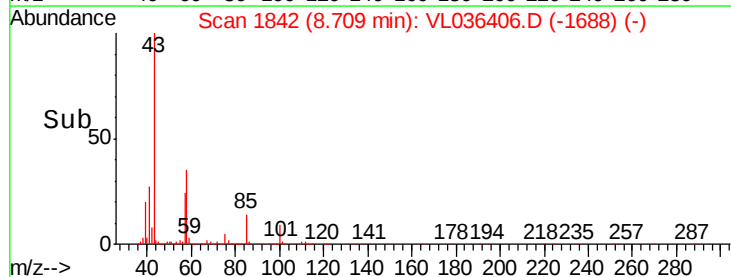
43 100

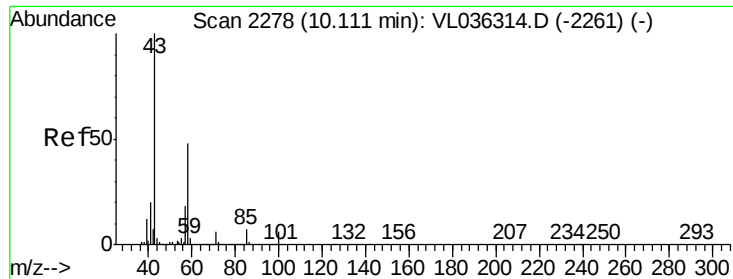
58 34.9 27.8 41.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

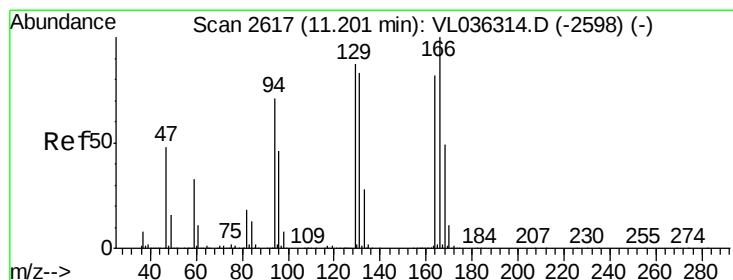
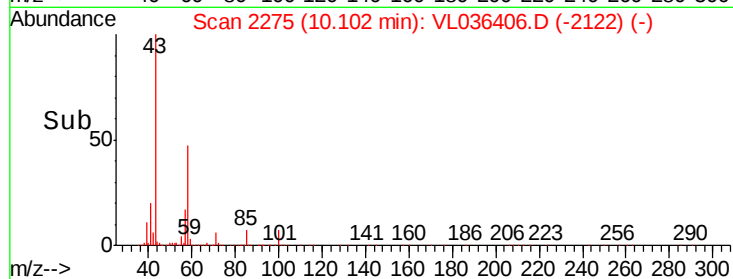
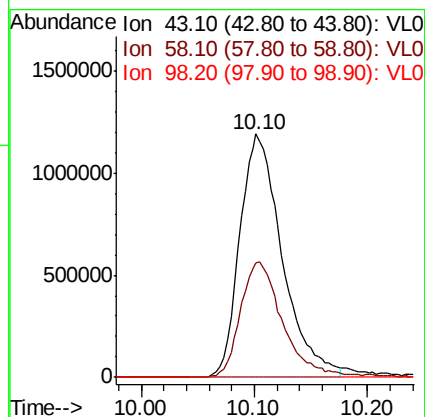
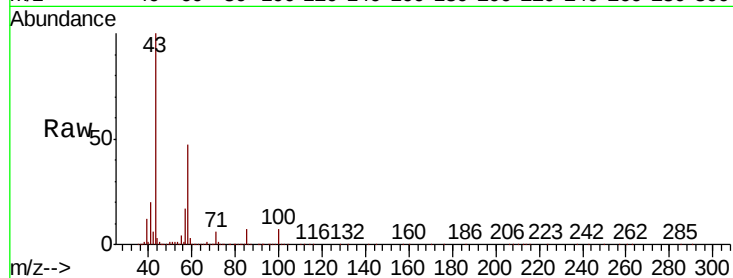




#51
2-Hexanone
Concen: 12.183 ppbv
RT: 10.10 min Scan# 2275
Delta R.T. -0.01 min
Lab File: VL036406.D
Acq: 26 Feb 2021 17:31

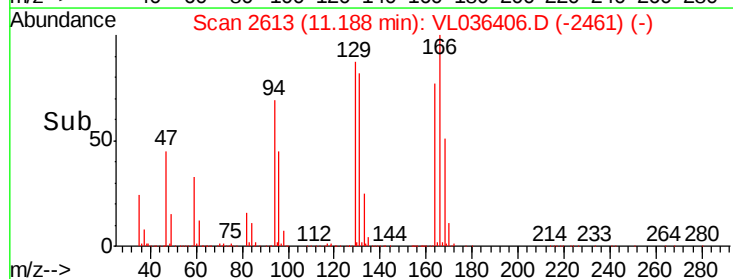
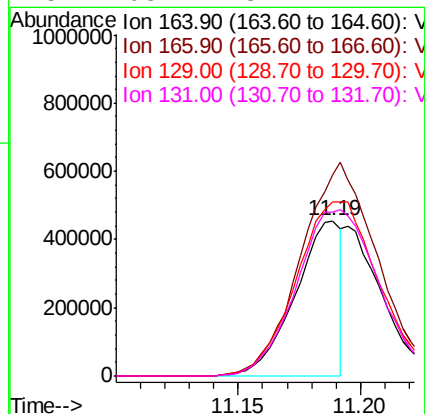
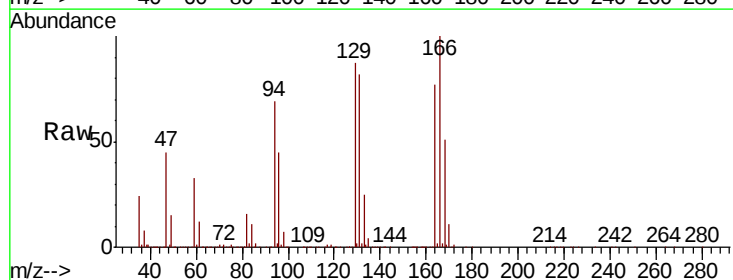
Instrument :
MSVOA_L
ClientSampleId :

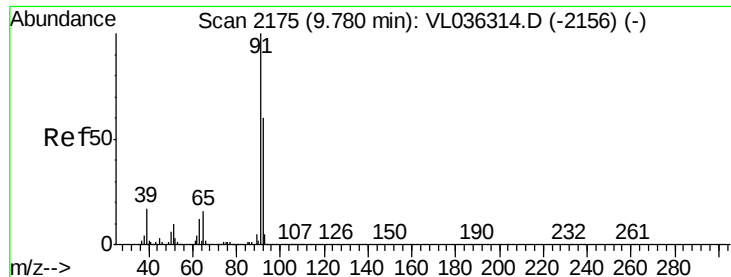
Tot Ion: 43 Resp: 3100451
Ion Ratio Lower Upper
43 100
58 47.9 38.7 58.1
98 0.3 0.4 0.6#



#52
Tetrachloroethene
Concen: 5.626 ppbv
RT: 11.19 min Scan# 2613
Delta R.T. -0.01 min
Lab File: VL036406.D
Acq: 26 Feb 2021 17:31

Tgt Ion:164 Resp: 594032
Ion Ratio Lower Upper
164 100
166 129.5 97.8 146.8
129 112.5 84.9 127.3
131 105.7 81.4 122.2





#53

Toluene

Concen: 11.713 ppbv

RT: 9.77 min Scan# 2173

Delta R.T. -0.01 min

Lab File: VL036406.D

Acq: 26 Feb 2021 17:31

Instrument :

MSVOA_L

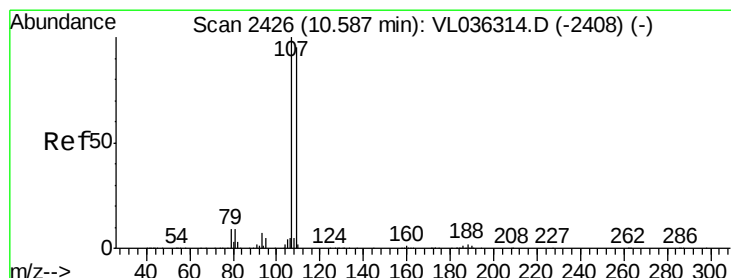
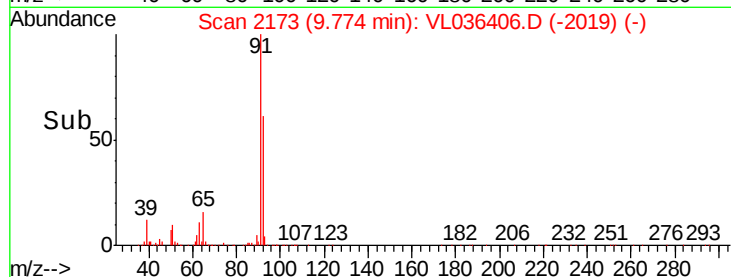
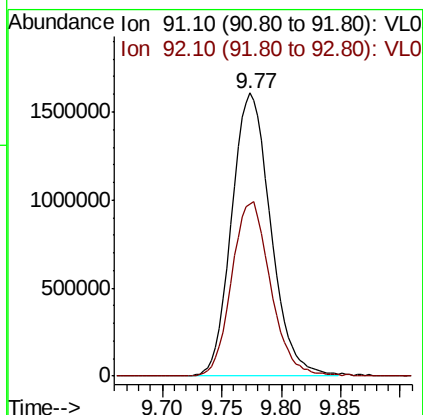
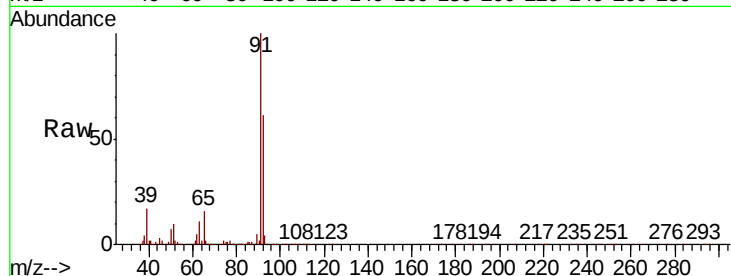
ClientSampleId :

Tot Ion: 91 Resp: 3659527

Ion Ratio Lower Upper

91 100

92 61.6 48.6 72.8



#54

1,2-Dibromoethane

Concen: 11.171 ppbv

RT: 10.58 min Scan# 2424

Delta R.T. -0.01 min

Lab File: VL036406.D

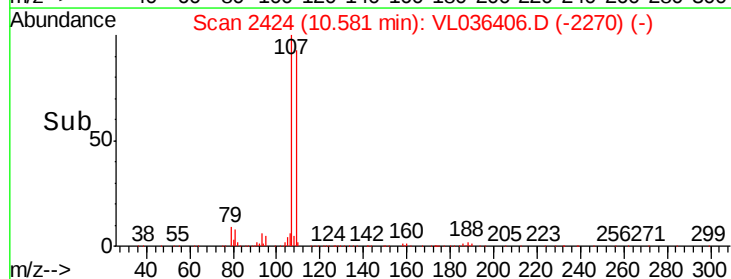
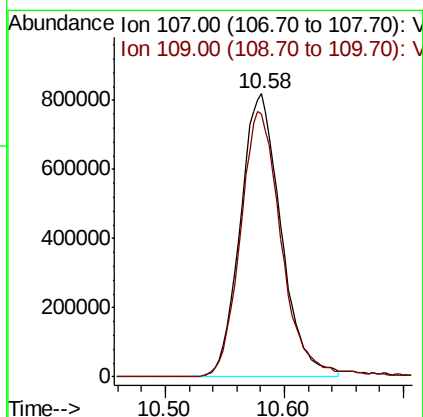
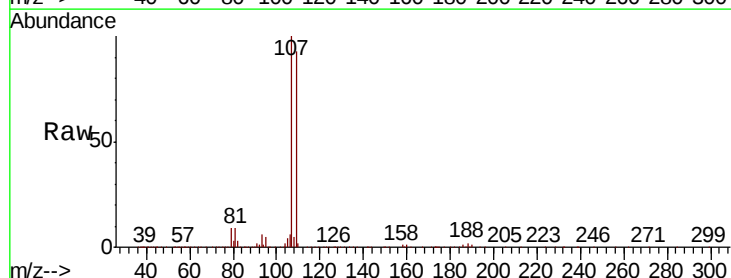
Acq: 26 Feb 2021 17:31

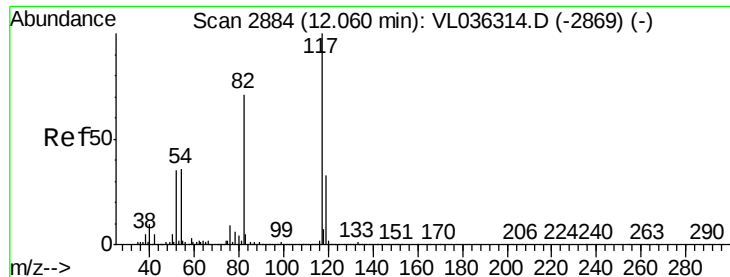
Tgt Ion: 107 Resp: 1935746

Ion Ratio Lower Upper

107 100

109 93.0 76.0 114.0

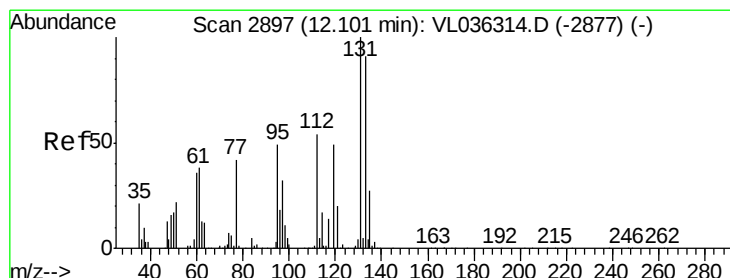
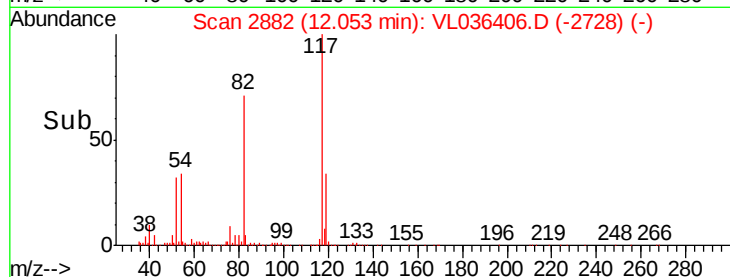
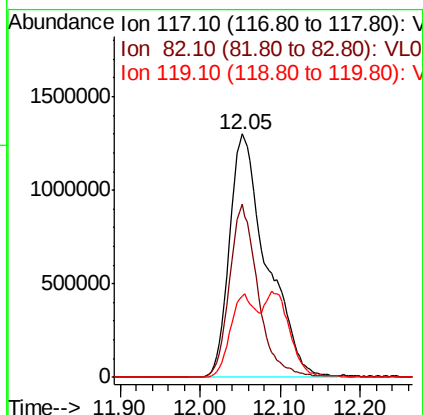
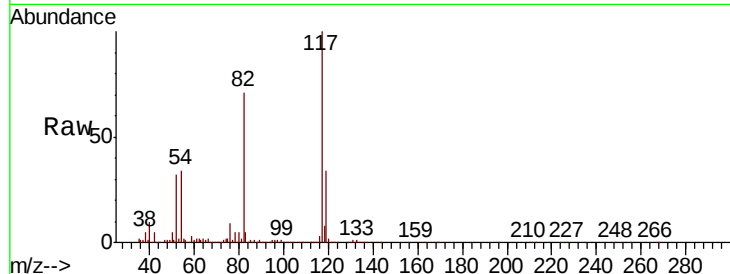




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.05 min Scan# 2882
Delta R.T. -0.01 min
Lab File: VL036406.D
Acq: 26 Feb 2021 17:31

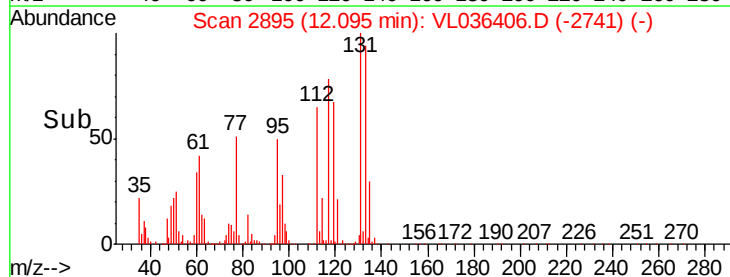
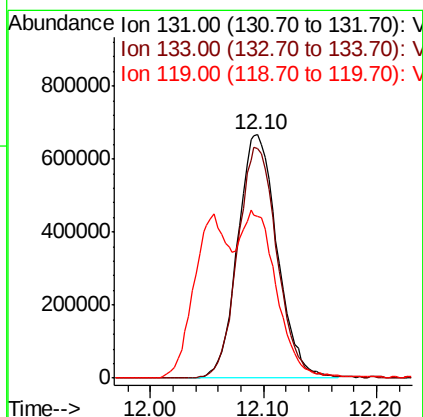
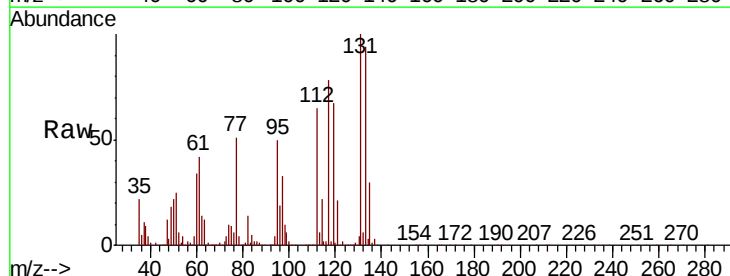
Instrument :
MSVOA_L
ClientSampleId :

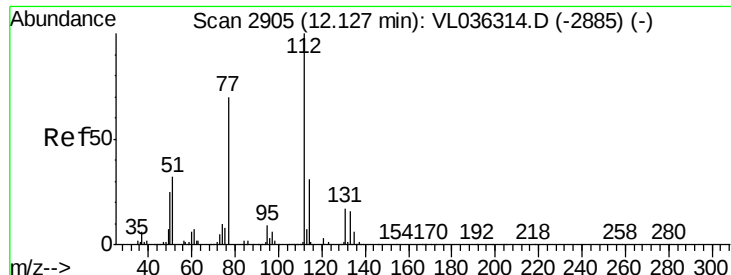
Tot Ion:117 Resp: 4138987
Ion Ratio Lower Upper
117 100
82 54.5 59.1 88.7#
119 24.7 46.3 69.5#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.498 ppbv
RT: 12.10 min Scan# 2895
Delta R.T. -0.01 min
Lab File: VL036406.D
Acq: 26 Feb 2021 17:31

Tgt Ion:131 Resp: 1617735
Ion Ratio Lower Upper
131 100
133 95.4 76.0 114.0
119 70.5 115.1 172.7#





#57

Chlorobenzene

Concen: 8.147 ppbv

RT: 12.12 min Scan# 2902

Delta R.T. -0.01 min

Lab File: VL036406.D

Acq: 26 Feb 2021 17:31

Instrument :

MSVOA_L

ClientSampled :

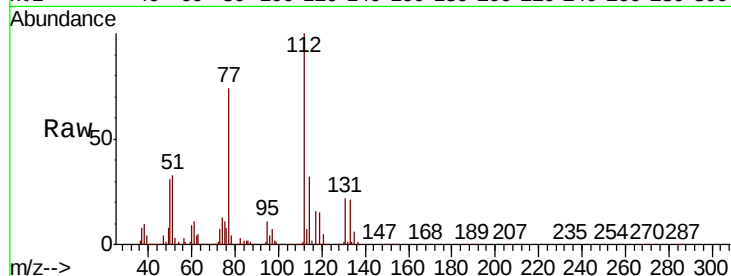
Tot Ion:112 Resp: 2605239

Ion Ratio Lower Upper

112 100

77 72.8 56.1 84.1

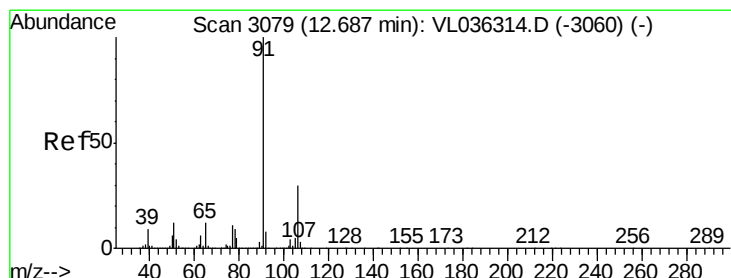
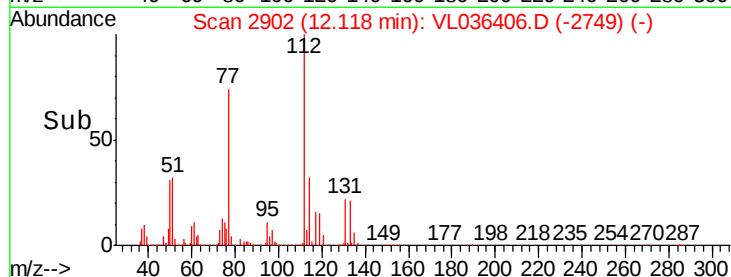
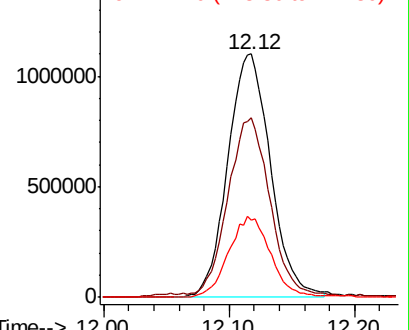
114 31.6 28.3 34.5



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: 8.667 ppbv

RT: 12.68 min Scan# 3076

Delta R.T. -0.01 min

Lab File: VL036406.D

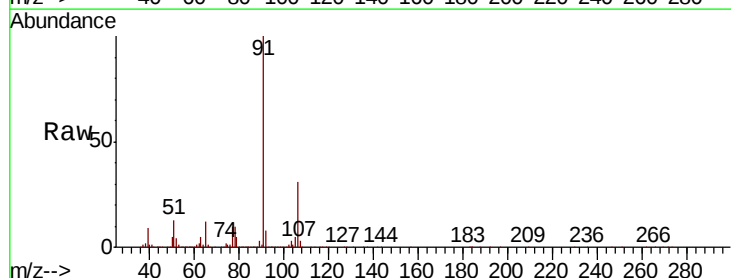
Acq: 26 Feb 2021 17:31

Tgt Ion: 91 Resp: 4911994

Ion Ratio Lower Upper

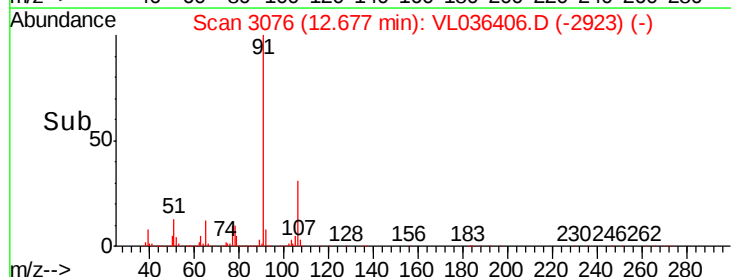
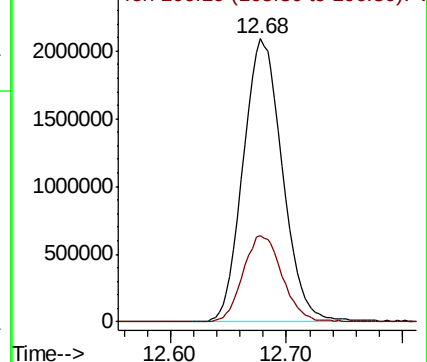
91 100

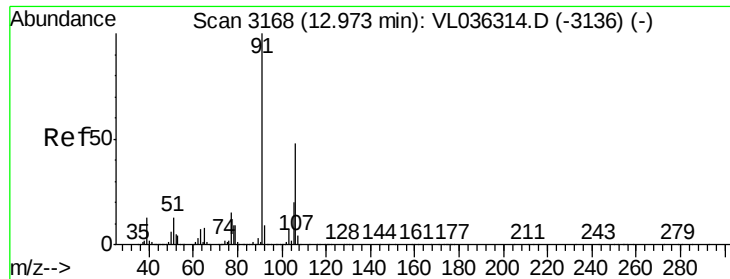
106 30.6 23.8 35.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

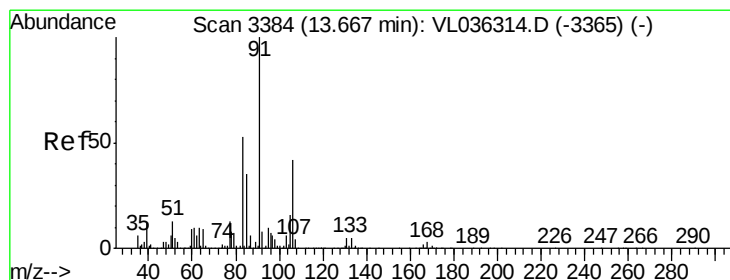
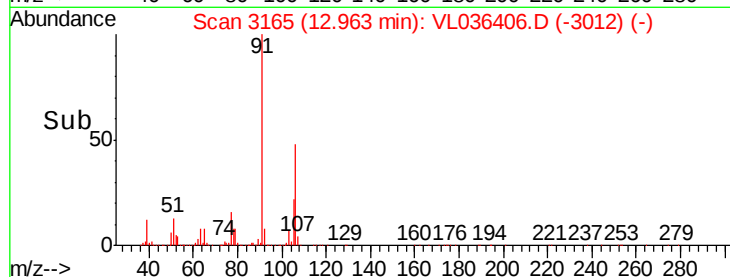
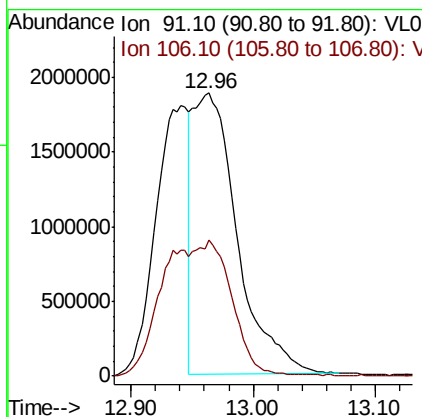
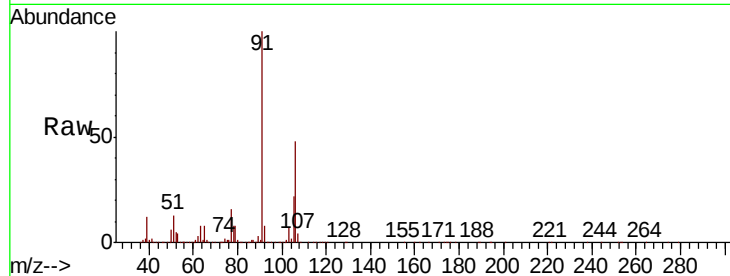




#59
m/p-Xylene
Concen: 9.502 ppbv
RT: 12.96 min Scan# 3165
Delta R.T. -0.01 min
Lab File: VL036406.D
Acq: 26 Feb 2021 17:31

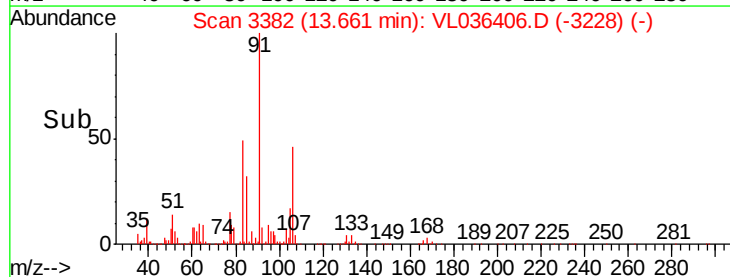
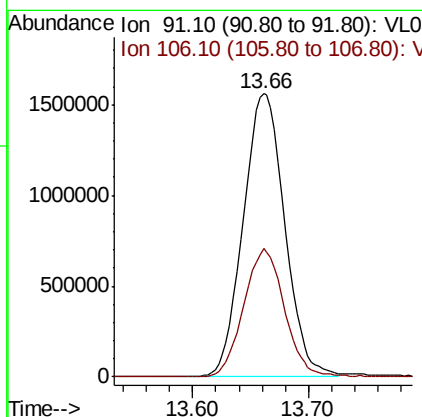
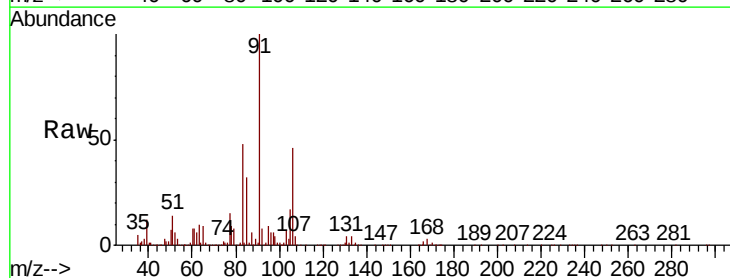
Instrument :
MSVOA_L
ClientSampleId :

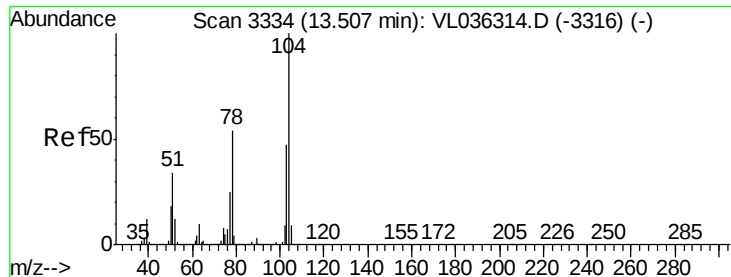
Tot Ion: 91 Resp: 4730463
Ion Ratio Lower Upper
91 100
106 75.9 34.2 51.2#



#60
o-Xylene
Concen: 8.148 ppbv
RT: 13.66 min Scan# 3382
Delta R.T. -0.01 min
Lab File: VL036406.D
Acq: 26 Feb 2021 17:31

Tgt Ion: 91 Resp: 3878351
Ion Ratio Lower Upper
91 100
106 44.6 22.0 66.0

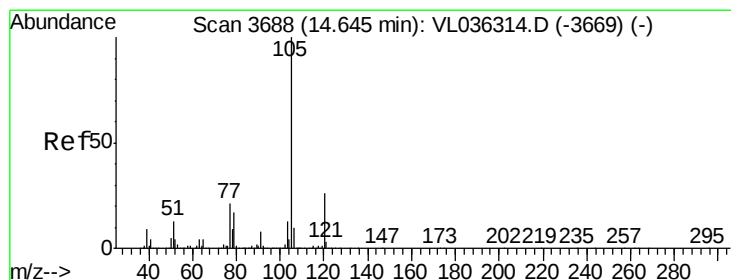
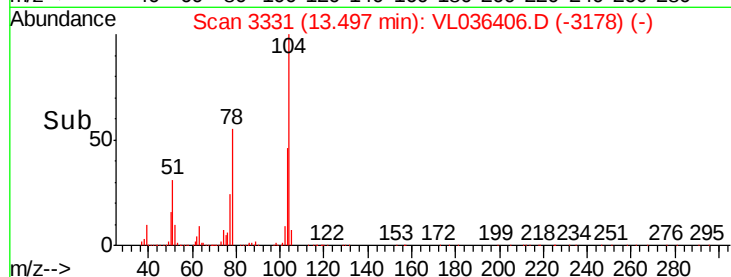
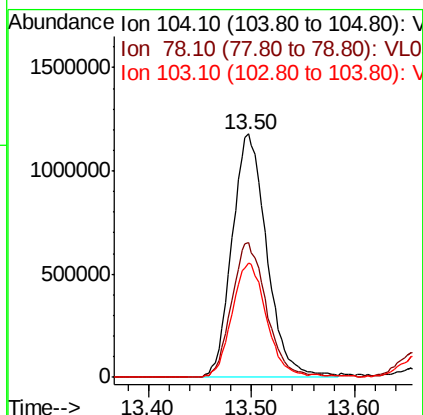
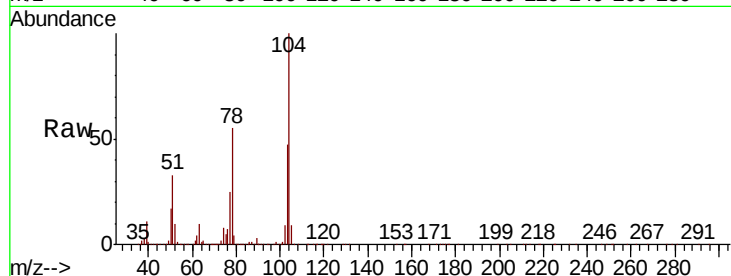




#61
Stvrene
Concen: 9.376 ppbv
RT: 13.50 min Scan# 3331
Delta R.T. -0.01 min
Lab File: VL036406.D
Acq: 26 Feb 2021 17:31

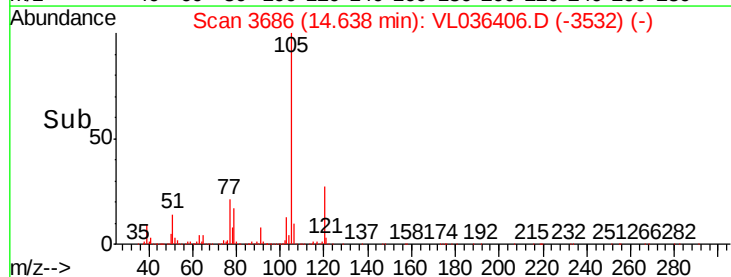
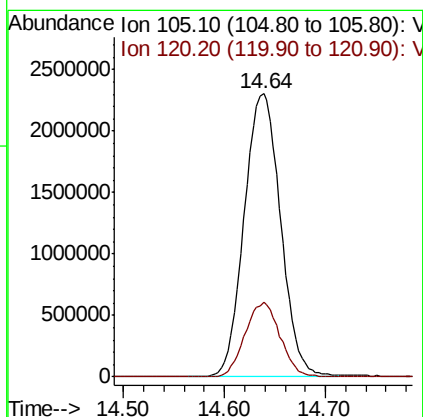
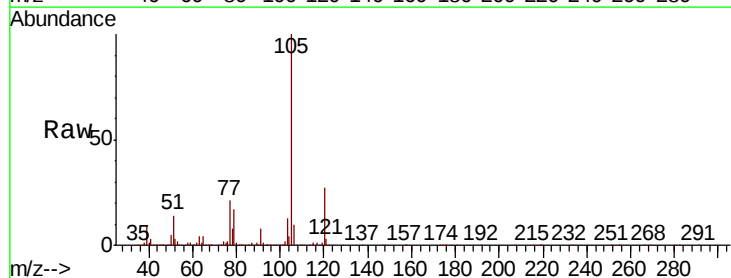
Instrument :
MSVOA_L
ClientSampleId :

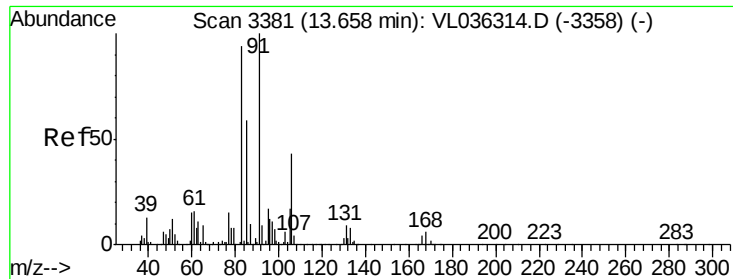
Tot Ion:104 Resp: 2765983
Ion Ratio Lower Upper
104 100
78 56.0 46.2 69.2
103 47.4 38.3 57.5



#62
Isopropylbenzene
Concen: 8.092 ppbv
RT: 14.64 min Scan# 3686
Delta R.T. -0.01 min
Lab File: VL036406.D
Acq: 26 Feb 2021 17:31

Tgt Ion:105 Resp: 5773664
Ion Ratio Lower Upper
105 100
120 25.5 20.6 30.8





#63

1,1,2,2-Tetrachloroethane

Concen: 7.179 ppbv

RT: 13.65 min Scan# 3378

Delta R.T. -0.01 min

Lab File: VL036406.D

Acq: 26 Feb 2021 17:31

Instrument :

MSVOA_L

ClientSampleId :

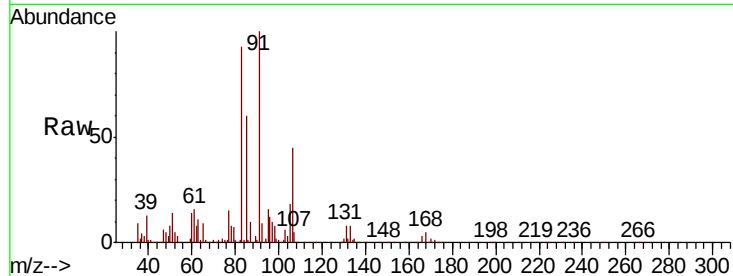
Tot Ion: 83 Resp: 2696089

Ion Ratio Lower Upper

83 100

131 9.1 4.7 14.0

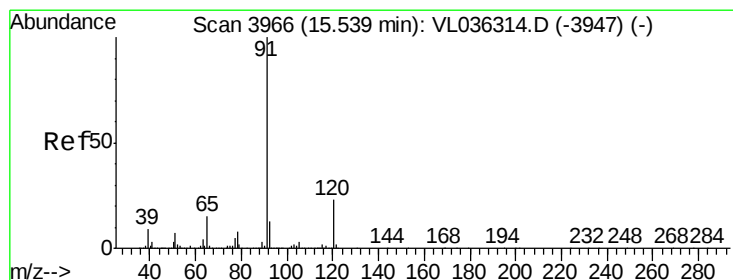
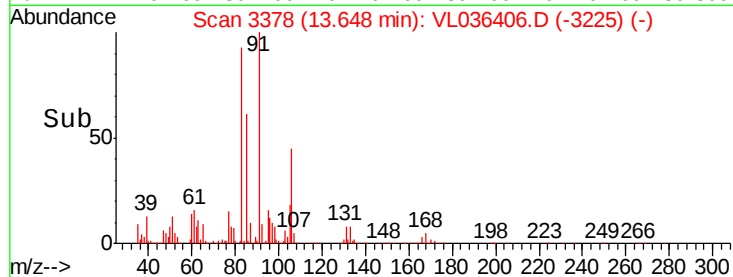
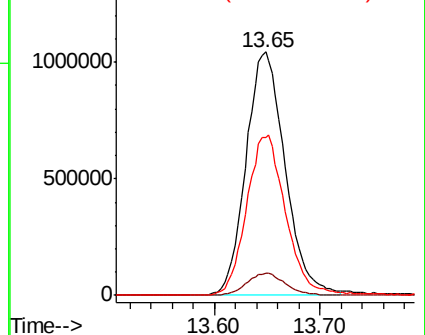
85 66.4 33.0 98.9



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: 8.561 ppbv

RT: 15.53 min Scan# 3963

Delta R.T. -0.01 min

Lab File: VL036406.D

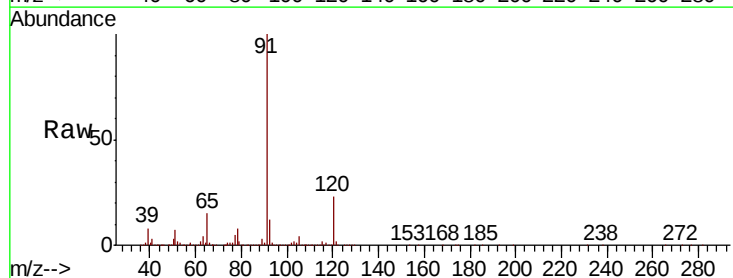
Acq: 26 Feb 2021 17:31

Tgt Ion:120 Resp: 1503195

Ion Ratio Lower Upper

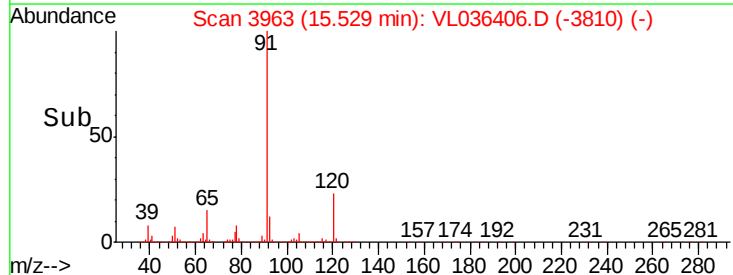
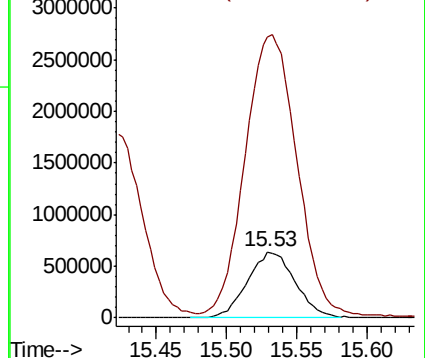
120 100

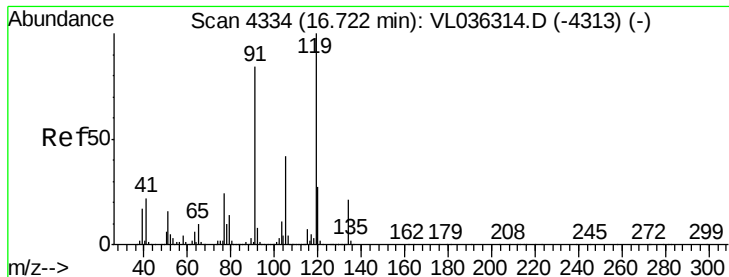
91 474.6 387.2 580.8



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 8.023 ppbv

RT: 16.72 min Scan# 4333

Delta R.T. -0.00 min

Lab File: VL036406.D

Acq: 26 Feb 2021 17:31

Instrument :

MSVOA_L

ClientSampleId :

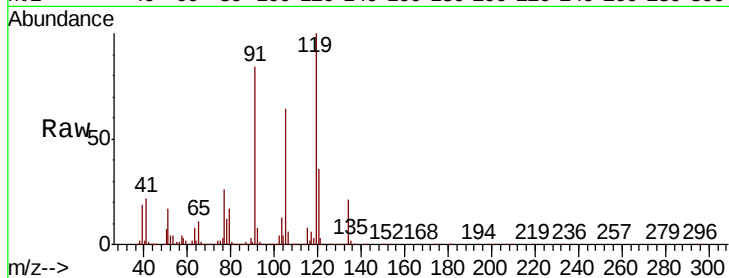
Tot Ion:119 Resp: 4897641

Ion Ratio Lower Upper

119 100

91 85.7 70.5 105.7

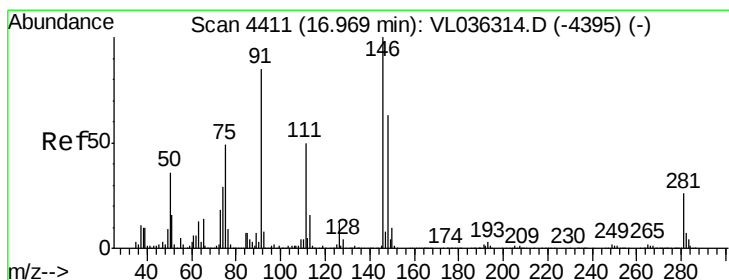
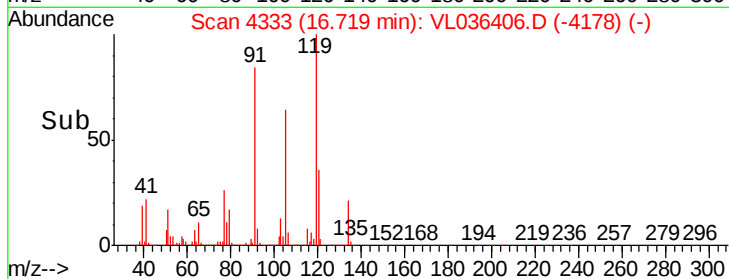
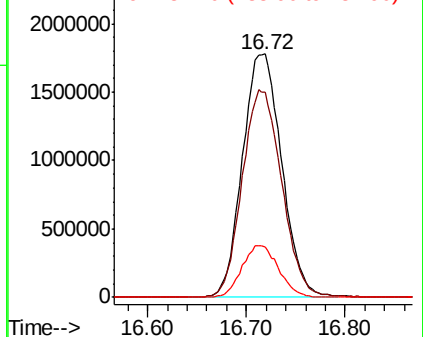
134 20.0 15.8 23.8



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: 9.938 ppbv

RT: 16.96 min Scan# 4408

Delta R.T. -0.01 min

Lab File: VL036406.D

Acq: 26 Feb 2021 17:31

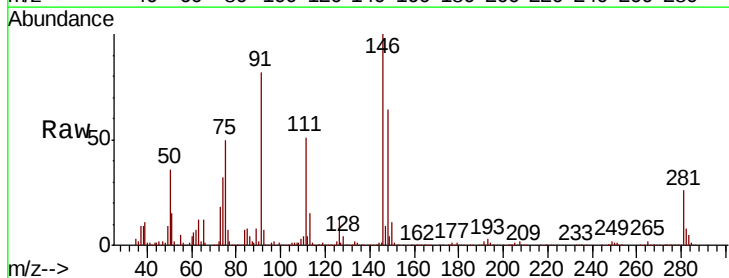
Tgt Ion: 91 Resp: 1649290

Ion Ratio Lower Upper

91 100

126 16.8 12.9 19.3

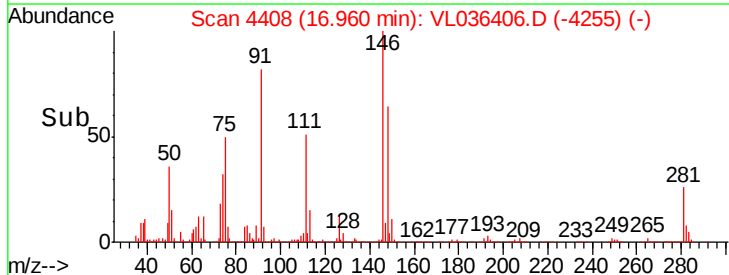
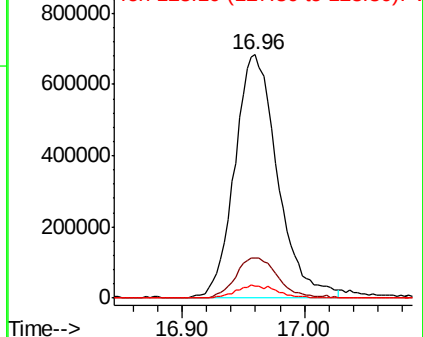
128 5.1 4.2 6.2

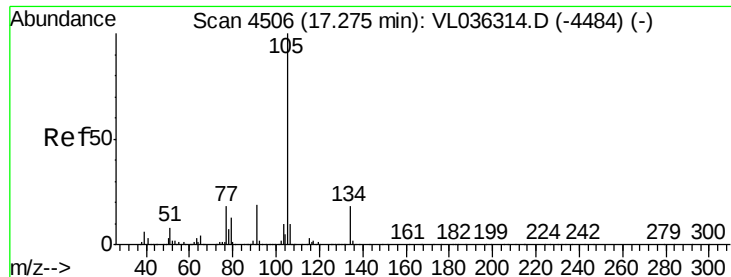


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.923 ppbv

RT: 17.27 min Scan# 4503

Delta R.T. -0.01 min

Lab File: VL036406.D

Acq: 26 Feb 2021 17:31

Instrument :

MSVOA_L

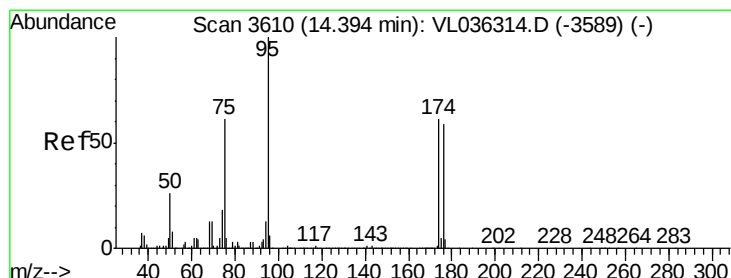
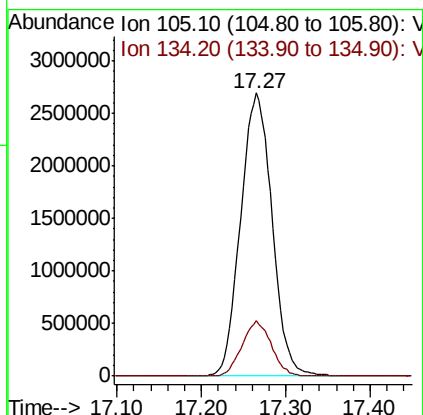
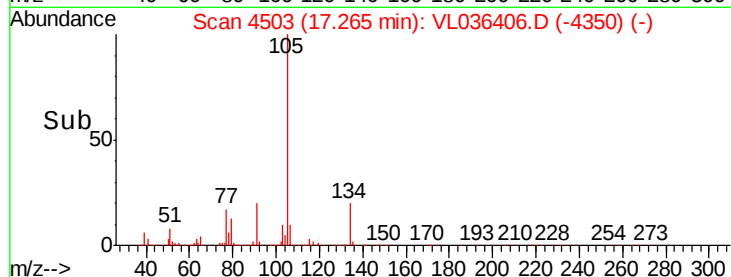
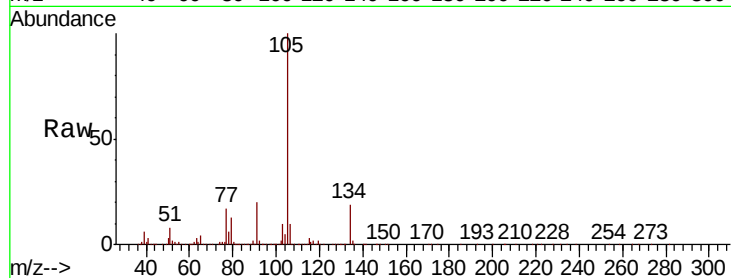
ClientSampleId :

Tot Ion:105 Resp: 6975340

Ion Ratio Lower Upper

105 100

134 18.3 14.2 21.4



#68

1-Bromo-4-Fluorobenzene

Concen: 7.755 ppbv

RT: 14.39 min Scan# 3608

Delta R.T. -0.01 min

Lab File: VL036406.D

Acq: 26 Feb 2021 17:31

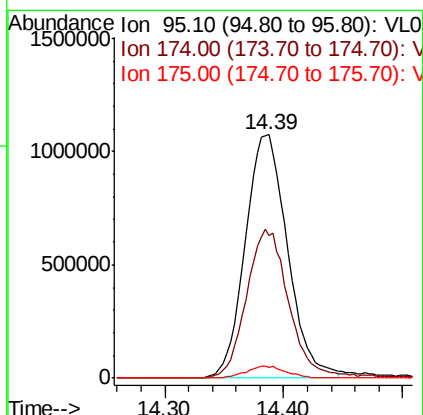
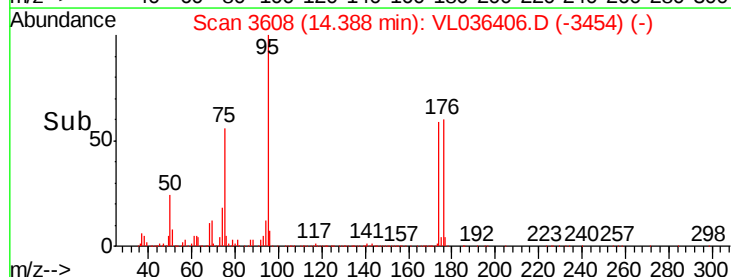
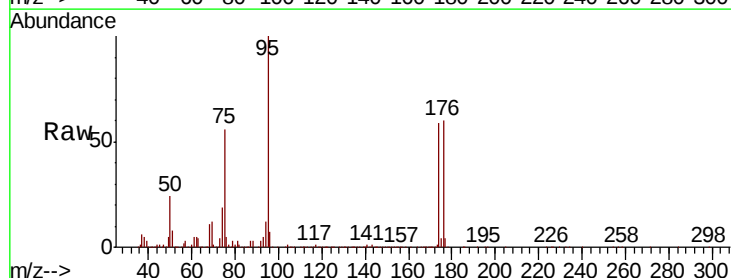
Tgt Ion: 95 Resp: 2640924

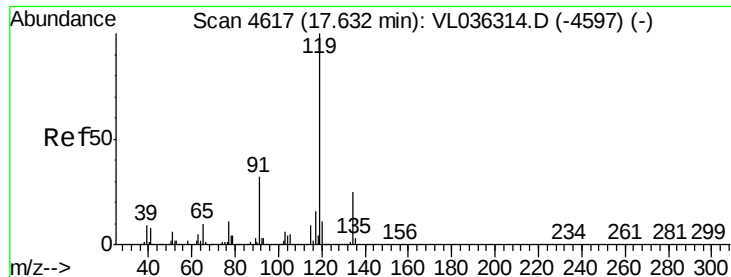
Ion Ratio Lower Upper

95 100

174 62.6 49.8 74.6

175 4.8 3.7 5.5



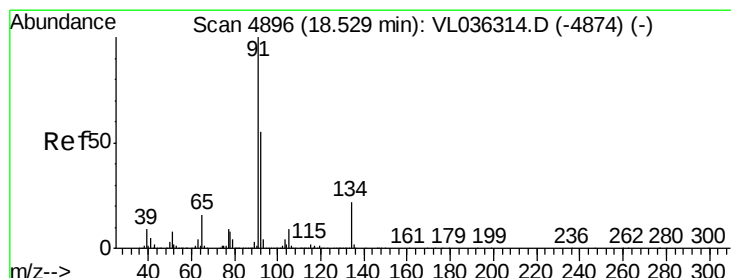
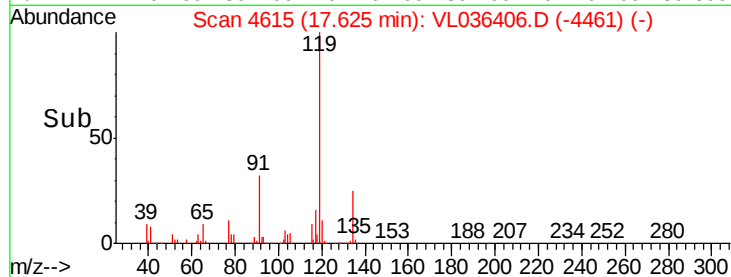
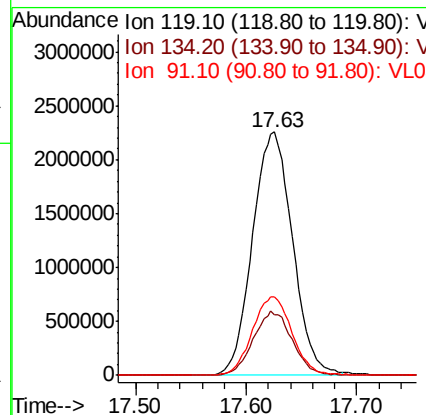
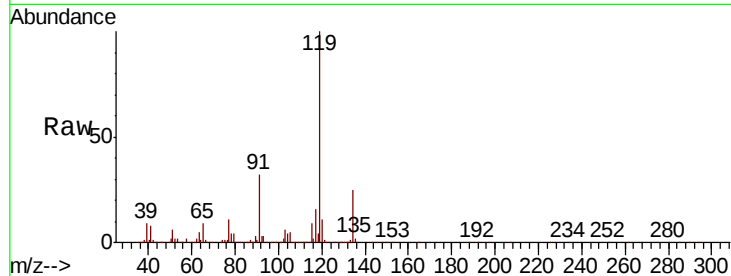


#69
 p-Isopropyltoluene
 Concen: 8.355 ppbv
 RT: 17.63 min Scan# 4615
 Delta R.T. -0.01 min
 Lab File: VL036406.D
 Acq: 26 Feb 2021 17:31

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 119 Resp: 5684377

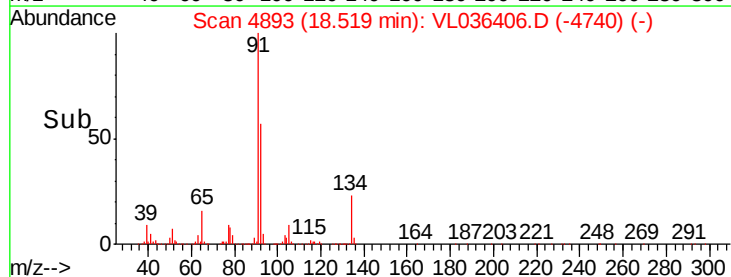
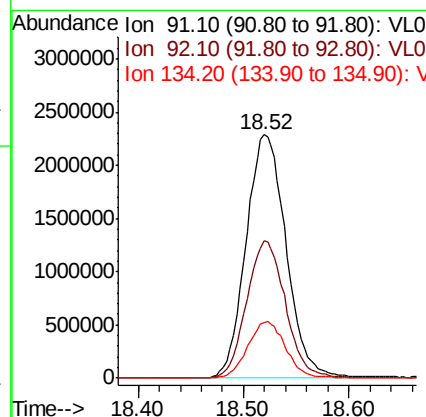
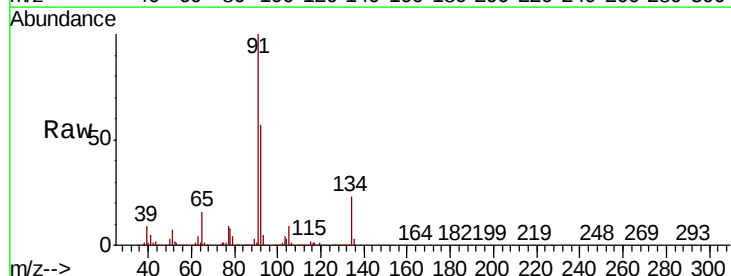
Ion	Ratio	Lower	Upper
119	100		
134	25.7	20.1	30.1
91	32.0	25.8	38.6

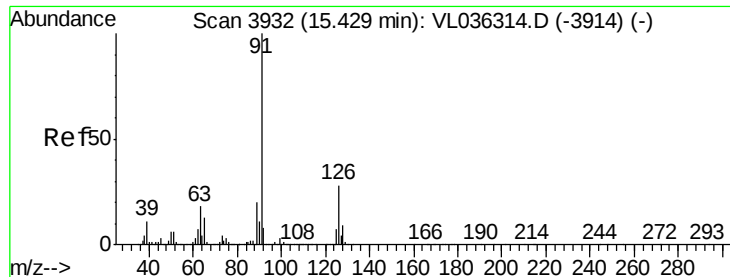


#70
 n-Butylbenzene
 Concen: 8.275 ppbv
 RT: 18.52 min Scan# 4893
 Delta R.T. -0.01 min
 Lab File: VL036406.D
 Acq: 26 Feb 2021 17:31

Tgt Ion: 91 Resp: 6037751

Ion	Ratio	Lower	Upper
91	100		
92	55.1	43.7	65.5
134	22.1	17.4	26.0





#71

2-Chlorotoluene

Concen: 8.130 ppbv

RT: 15.42 min Scan# 3930

Delta R.T. -0.01 min

Lab File: VL036406.D

Acq: 26 Feb 2021 17:31

Instrument :

MSVOA_L

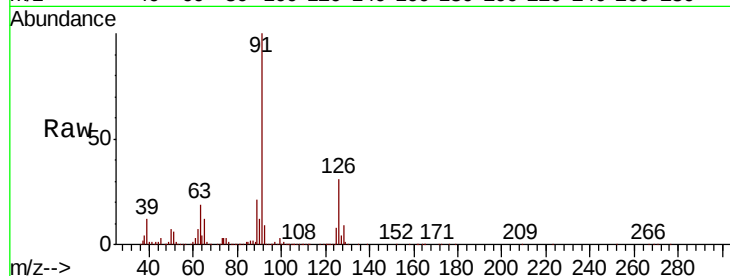
ClientSampleId :

Tot Ion: 91 Resp: 4446580

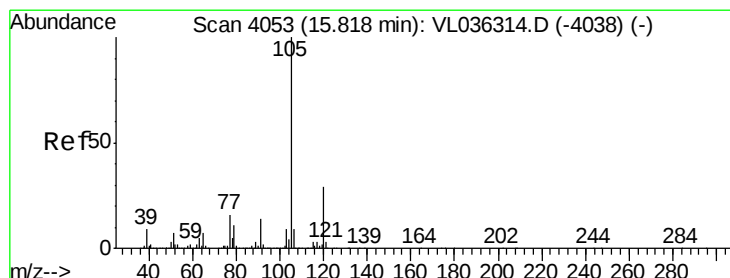
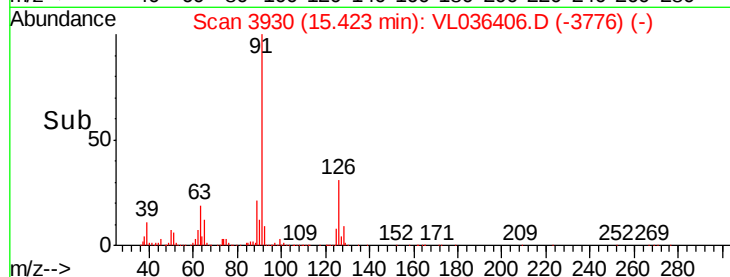
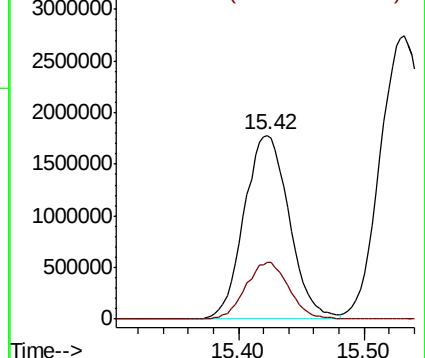
Ion Ratio Lower Upper

91 100

126 30.1 11.5 46.1



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 8.393 ppbv

RT: 15.81 min Scan# 4050

Delta R.T. -0.01 min

Lab File: VL036406.D

Acq: 26 Feb 2021 17:31

Tgt Ion:105 Resp: 4445963

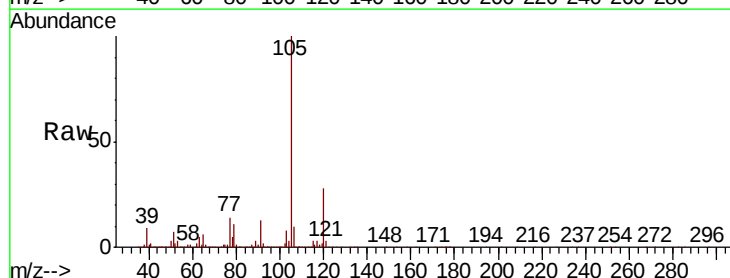
Ion Ratio Lower Upper

105 100

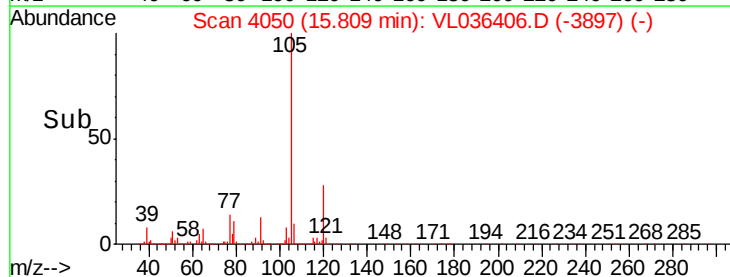
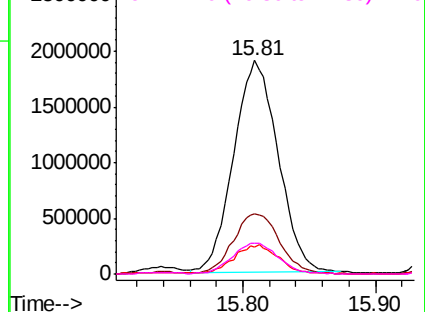
120 29.6 23.2 34.8

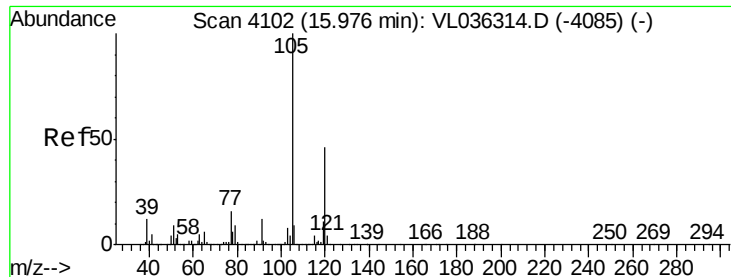
91 13.3 11.0 16.4

77 15.2 12.2 18.4



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





#73

1,3,5-Trimethylbenzene

Concen: 8.246 ppbv

RT: 15.97 min Scan# 4099

Delta R.T. -0.01 min

Lab File: VL036406.D

Acq: 26 Feb 2021 17:31

Instrument :

MSVOA_L

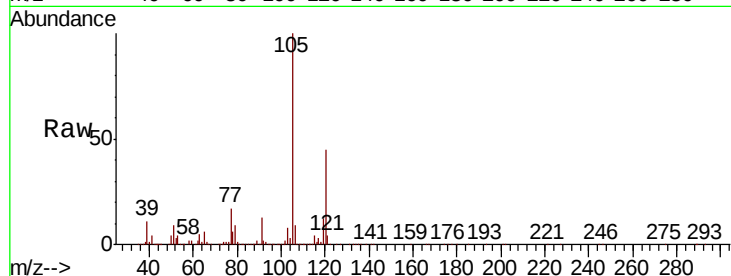
ClientSampleId :

Tot Ion:105 Resp: 4234293

Ion Ratio Lower Upper

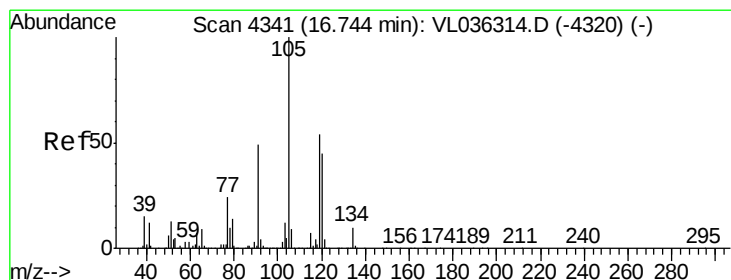
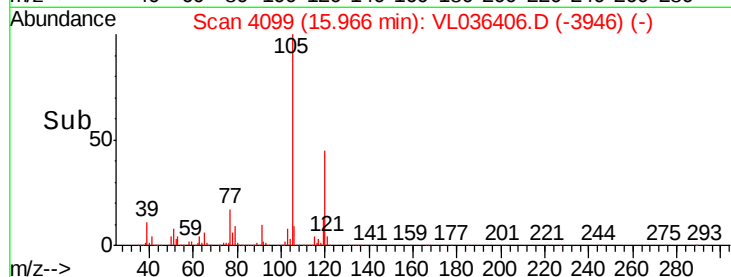
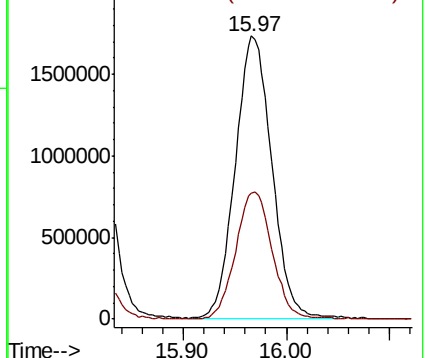
105 100

120 44.6 36.9 55.3



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: 8.100 ppbv

RT: 16.73 min Scan# 4338

Delta R.T. -0.01 min

Lab File: VL036406.D

Acq: 26 Feb 2021 17:31

Tgt Ion:105 Resp: 4246186

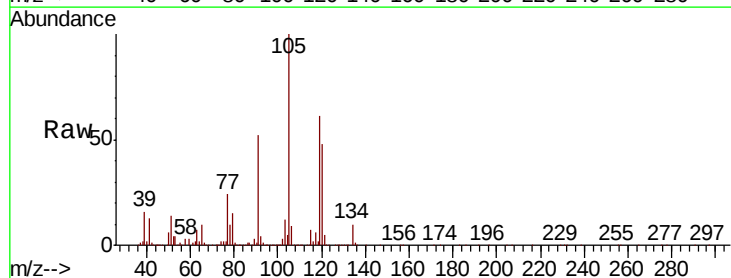
Ion Ratio Lower Upper

105 100

120 47.4 35.8 53.6

91 51.6 39.8 59.6

77 23.8 19.1 28.7

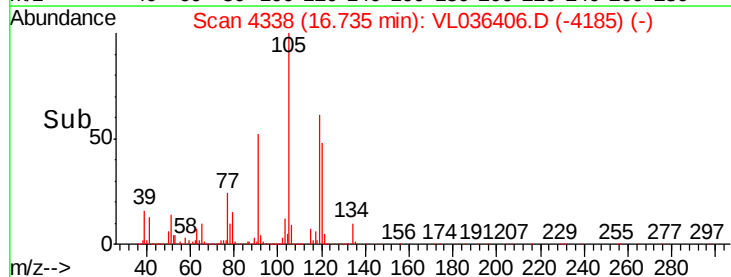
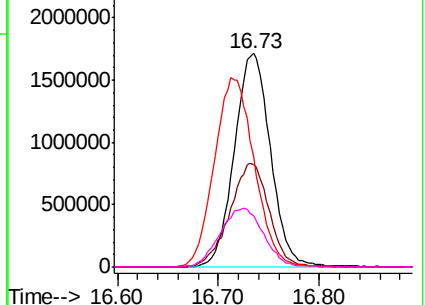


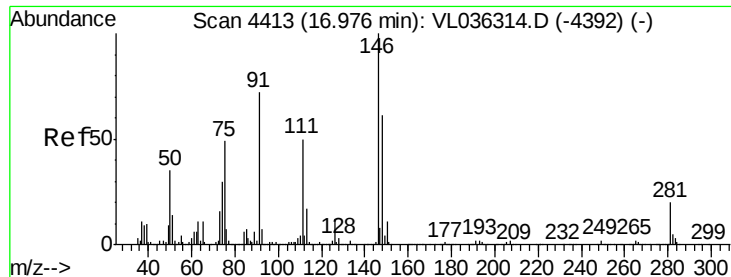
Abundance Ion 105.10 (104.80 to 105.80): V

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





#75

1,3-Dichlorobenzene

Concen: 7.995 ppbv

RT: 16.97 min Scan# 4410

Delta R.T. -0.01 min

Lab File: VL036406.D

Acq: 26 Feb 2021 17:31

Instrument :

MSVOA_L

ClientSampleId :

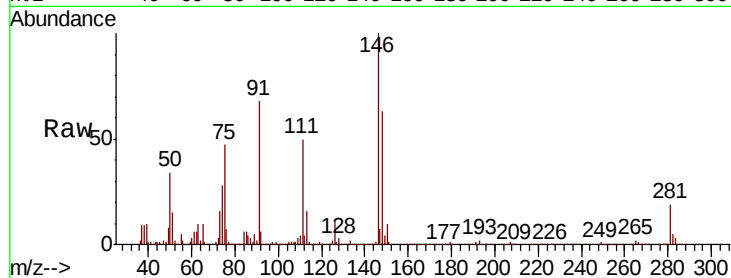
Tot Ion:146 Resp: 2274950

Ion Ratio Lower Upper

146 100

111 49.8 24.9 74.6

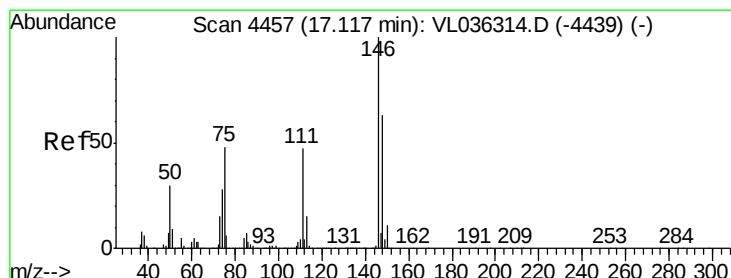
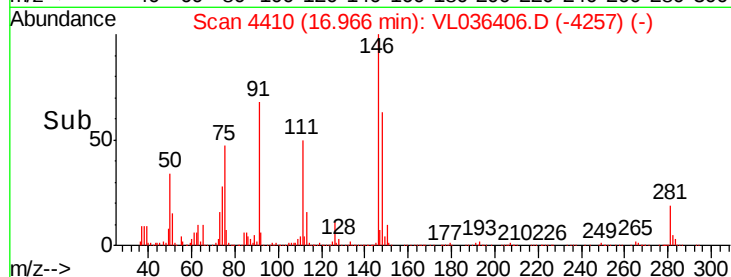
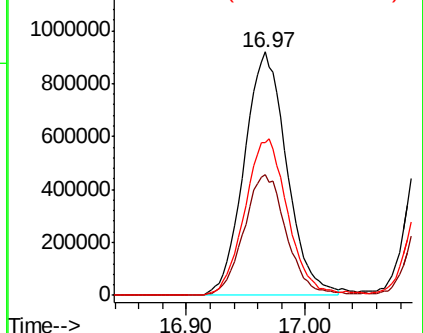
148 64.9 31.9 95.9



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: 7.576 ppbv

RT: 17.11 min Scan# 4454

Delta R.T. -0.01 min

Lab File: VL036406.D

Acq: 26 Feb 2021 17:31

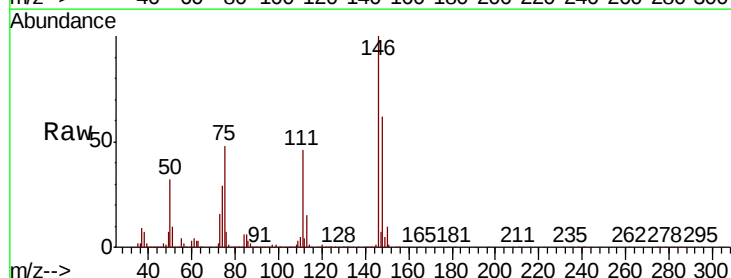
Tgt Ion:146 Resp: 2238499

Ion Ratio Lower Upper

146 100

111 50.2 23.6 71.0

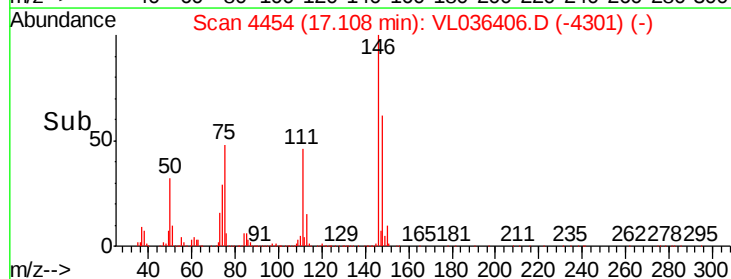
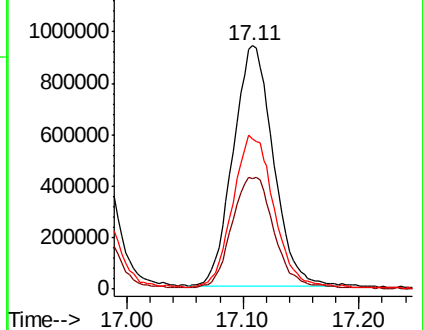
148 67.1 31.6 95.0

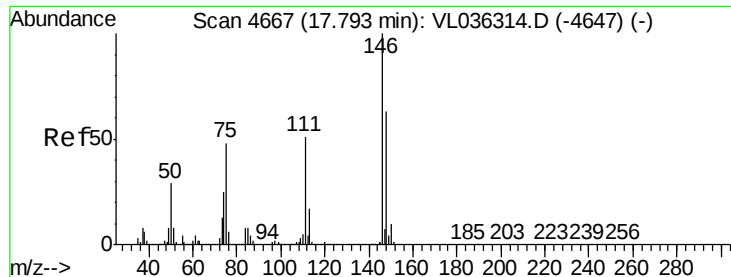


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.975 ppbv

RT: 17.79 min Scan# 4666

Delta R.T. -0.00 min

Lab File: VL036406.D

Acq: 26 Feb 2021 17:31

Instrument :

MSVOA_L

ClientSampled :

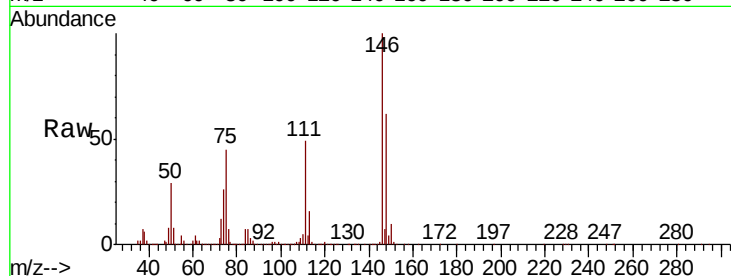
Tot Ion:146 Resp: 2251200

Ion Ratio Lower Upper

146 100

111 51.3 25.9 77.8

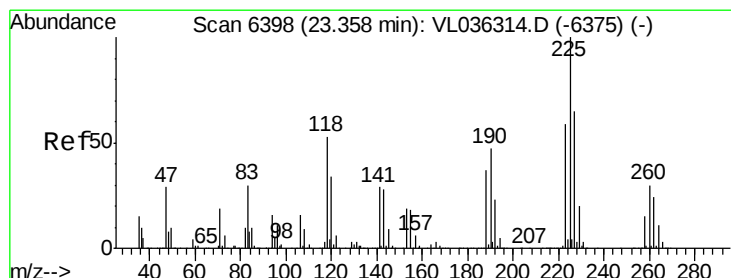
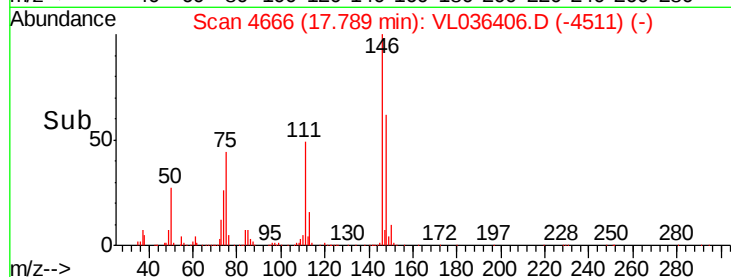
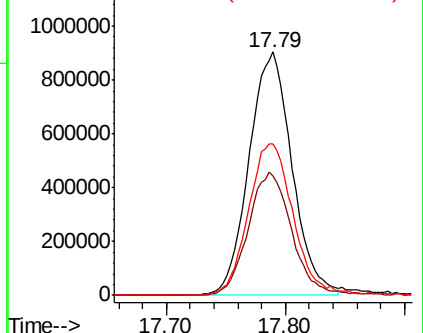
148 65.6 32.5 97.4



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: 7.842 ppbv

RT: 23.35 min Scan# 6395

Delta R.T. -0.01 min

Lab File: VL036406.D

Acq: 26 Feb 2021 17:31

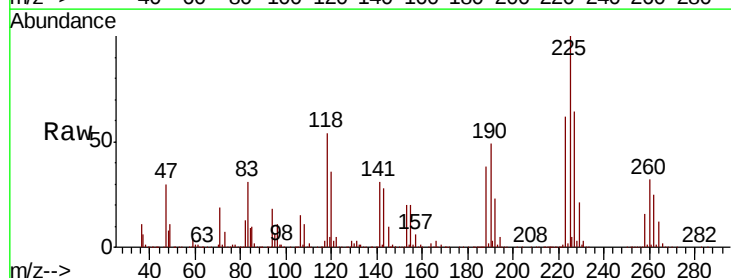
Tgt Ion:225 Resp: 1808378

Ion Ratio Lower Upper

225 100

223 63.6 50.8 76.2

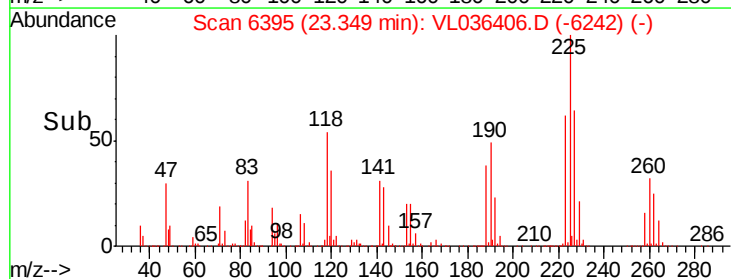
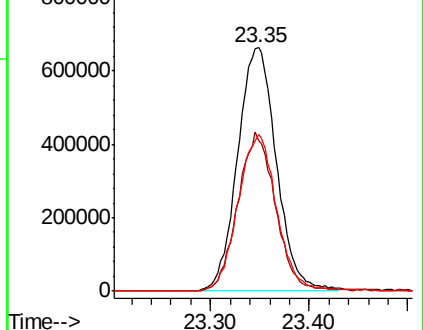
227 64.5 52.2 78.2

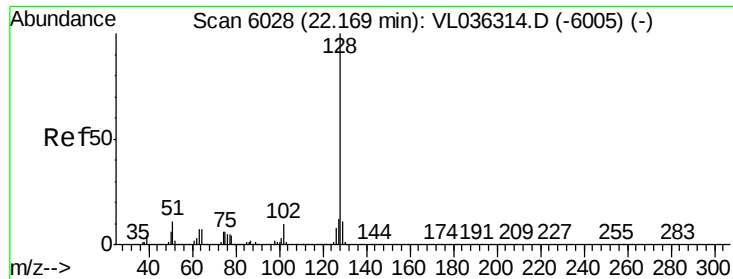


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V

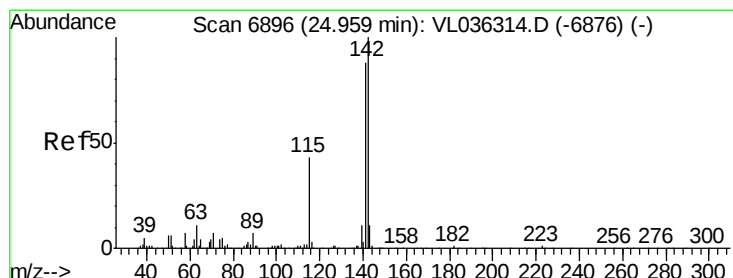
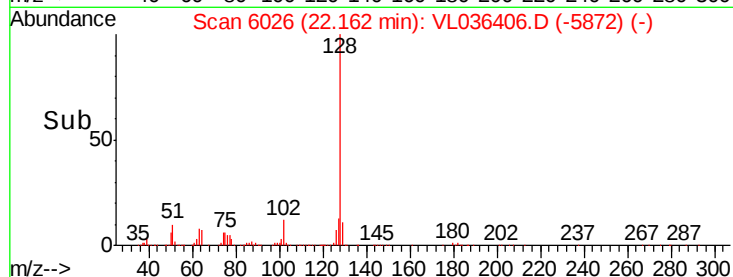
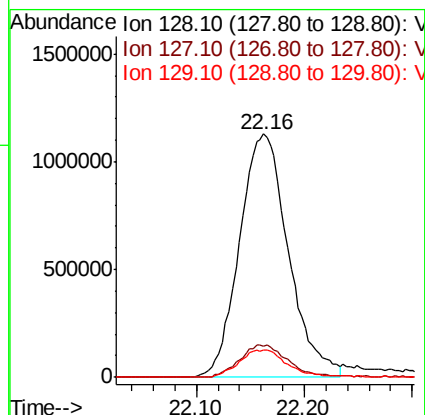
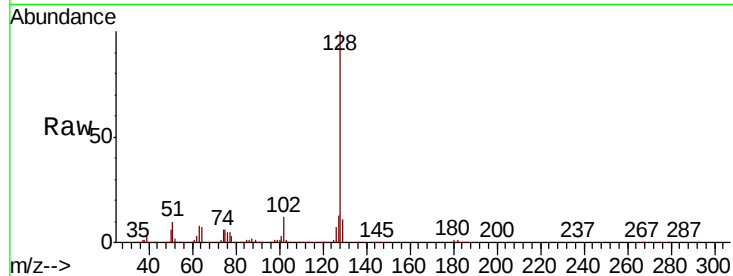




#79
Naphthalene
Concen: 11.392 ppbv
RT: 22.16 min Scan# 6026
Delta R.T. -0.01 min
Lab File: VL036406.D
Acq: 26 Feb 2021 17:31

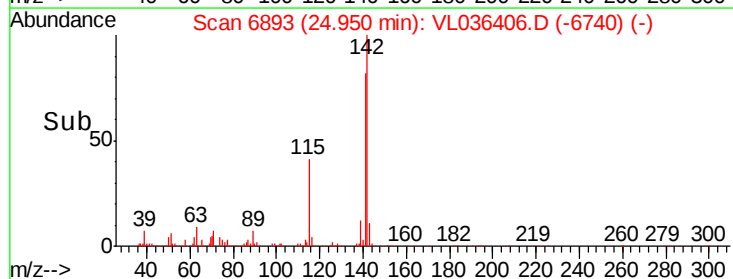
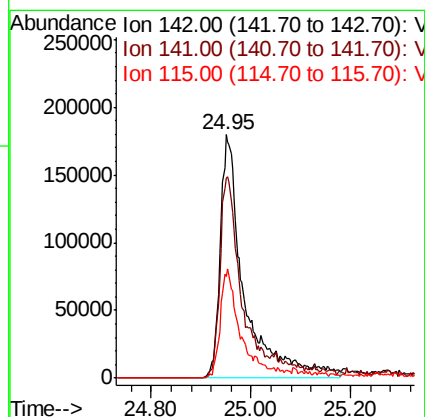
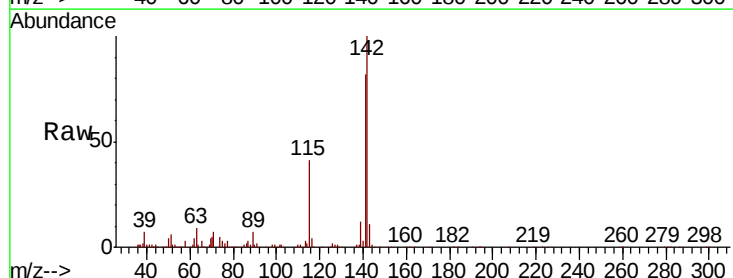
Instrument :
MSVOA_L
ClientSampled :

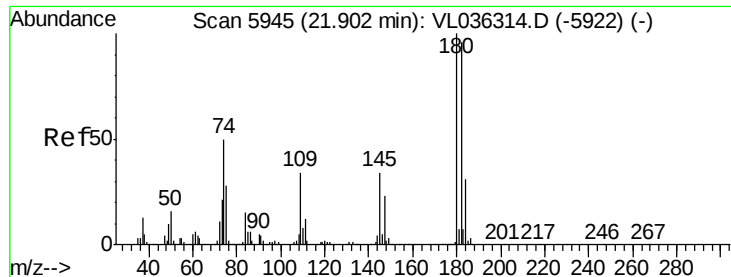
Tot Ion:128 Resp: 3539968
Ion Ratio Lower Upper
128 100
127 12.7 9.6 14.4
129 11.1 8.5 12.7



#80
Naphthalene, 2-methyl-
Concen: 10.522 ppbv
RT: 24.95 min Scan# 6893
Delta R.T. -0.01 min
Lab File: VL036406.D
Acq: 26 Feb 2021 17:31

Tgt Ion:142 Resp: 605391
Ion Ratio Lower Upper
142 100
141 81.4 64.4 96.6
115 39.0 34.6 51.8

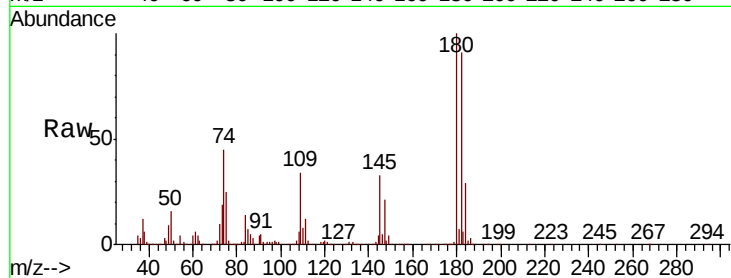




#81
 1,2,4-Trichlorobenzene
 Concen: 9.716 ppbv
 RT: 21.89 min Scan# 5941
 Delta R.T. -0.01 min
 Lab File: VL036406.D
 Acq: 26 Feb 2021 17:31

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	101.7	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

