

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022521\
 Data File : VL036394.D
 Acq On : 25 Feb 2021 23:14
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Feb 26 00:40:10 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	5.65	49	1519611	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3468939	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3196117	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2801821	10.65	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.50%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.03	85	2070817	9.131	ppbv 100
3) Chlorodifluoromethane	2.97	51	1935249	10.250	ppbv 99
4) Chloromethane	3.12	50	970270	10.637	ppbv 100
5) Vinyl Chloride	3.24	62	948601	11.168	ppbv 94
6) Bromomethane	3.46	94	538474	10.666	ppbv 97
7) Chloroethane	3.54	64	335591	11.127	ppbv 100
8) Dichlorotetrafluoroethane	3.17	85	2146968	10.409	ppbv 97
9) Propene	3.00	41	884016	12.558	ppbv 99
10) Heptane	8.10	43	2247164	10.831	ppbv 100
11) Trichlorofluoromethane	3.93	101	2327642	10.481	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1499558	10.901	ppbv 98
13) Ethanol	3.59	45	55114	4.168	ppbv # 30
14) Bromoethene	3.73	108	615041	10.682	ppbv 100
15) Acetone	3.83	43	1814201	9.767	ppbv 97
16) 1,3-Butadiene	3.31	39	924363	10.407	ppbv 100
17) tert-Butyl alcohol	4.28	59	1534716	10.644	ppbv 98
18) 1,1-Dichloroethene	4.28	96	639098	10.223	ppbv 100
19) Isopropyl Alcohol	3.95	45	985790	9.579	ppbv # 98
20) Methylene Chloride	4.33	84	560936	9.360	ppbv 99
21) Allyl Chloride	4.39	41	1043963	10.094	ppbv 98
22) trans-1,2-Dichloroethene	4.87	96	615130	10.832	ppbv 94
23) Vinyl Acetate	5.06	43	2337966	10.705	ppbv 98
24) 1,1-Dichloroethane	5.00	63	1693572	10.485	ppbv 99
25) Ethyl Acetate	5.66	43	3781485	10.545	ppbv 99
26) Hexane	5.67	57	1549037	10.513	ppbv 99
27) Carbon Disulfide	4.53	76	1638901	12.103	ppbv 98
28) Methyl tert-Butyl Ether	5.01	73	2068712	10.748	ppbv 99
29) Chloroform	5.74	83	2436480	10.264	ppbv 97
30) Cyclohexane	7.11	84	1289167	10.521	ppbv 98
31) cis-1,2-Dichloroethene	5.54	61	1561416	10.710	ppbv 97
32) 1,1,1-Trichloroethane	6.49	97	2388395	10.762	ppbv 99
34) 2-Butanone	5.23	43	2364522	10.259	ppbv 99
35) Carbon Tetrachloride	7.00	117	2439812	10.494	ppbv 98
36) Benzene	6.88	78	3188502	10.820	ppbv 97
37) 1,2-Dichloroethane	6.29	62	1916702	10.520	ppbv 100
38) Trichloroethene	7.82	130	1116092	10.573	ppbv 95
39) 1,2-Dichloropropane	7.60	63	1289522	10.773	ppbv 97
40) 1,4-Dioxane	7.81	88	402069	9.694	ppbv # 23
41) Tetrahydrofuran	6.03	42	1413285	10.988	ppbv 99
42) Bromodichloromethane	7.78	83	2699768	11.064	ppbv 98
43) Methyl Methacrylate	8.00	69	1393853	11.216	ppbv 98

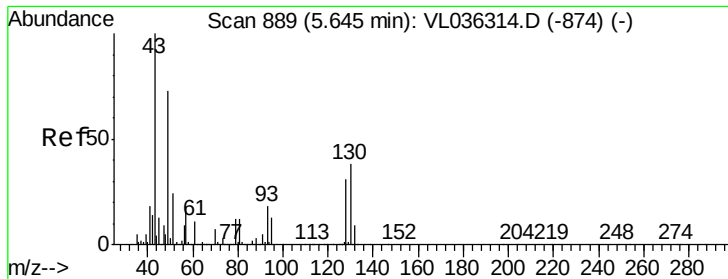
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022521\
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10 16:04:02 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	5506171	10.276	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	1484705	12.385	ppbv	99
46) cis-1,3-Dichloropropene	8.69	75	1805982	11.859	ppbv	99
47) 1,1,2-Trichloroethane	9.46	97	1273420	10.395	ppbv	95
48) Dibromochloromethane	10.29	129	2062473	11.283	ppbv	99
49) Bromoform	13.03	173	1658045	11.220	ppbv	99
50) 4-Methyl-2-Pentanone	8.72	43	3760637	10.991	ppbv	100
51) 2-Hexanone	10.11	43	2972832	11.435	ppbv #	99
52) Tetrachloroethene	11.21	164	1023794	9.490	ppbv	97
53) Toluene	9.79	91	3542394	11.098	ppbv	100
54) 1,2-Dibromoethane	10.59	107	1840146	10.394	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.11	131	1547411	10.526	ppbv #	61
57) Chlorobenzene	12.13	112	2512116	10.173	ppbv	97
58) Ethyl Benzene	12.70	91	4745377	10.843	ppbv	97
59) m/p-Xylene	12.98	91	4597577	11.960	ppbv #	48
60) o-Xylene	13.68	91	3799161	10.336	ppbv	100
61) Styrene	13.51	104	2645538	11.614	ppbv	99
62) Isopropylbenzene	14.65	105	5580608	10.129	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	2665953	9.193	ppbv	100
64) n-propylbenzene	15.55	120	1460161	10.769	ppbv	98
65) tert-Butylbenzene	16.73	119	4727571	10.029	ppbv	99
66) Benzyl Chloride	16.98	91	1561870	12.188	ppbv	99
67) sec-Butylbenzene	17.28	105	6697215	9.852	ppbv	98
69) p-Isopropyltoluene	17.64	119	5556818	10.577	ppbv	100
70) n-Butylbenzene	18.54	91	5970605	10.598	ppbv	100
71) 2-Chlorotoluene	15.44	91	4344426	10.287	ppbv	98
72) 4-Ethyltoluene	15.82	105	4329881	10.585	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	4085377	10.303	ppbv	99
74) 1,2,4-Trimethylbenzene	16.75	105	4102955	10.136	ppbv	98
75) 1,3-Dichlorobenzene	16.98	146	2249375	10.237	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	2188220	9.591	ppbv	95
77) 1,2-Dichlorobenzene	17.81	146	2210630	10.142	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	1730936	9.720	ppbv	99
79) Naphthalene	22.18	128	3565654	14.860	ppbv	97
80) Naphthalene, 2-methyl-	24.97	142	877034	19.740	ppbv	94
81) 1,2,4-Trichlorobenzene	21.91	180	1797686	12.279	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.01 min

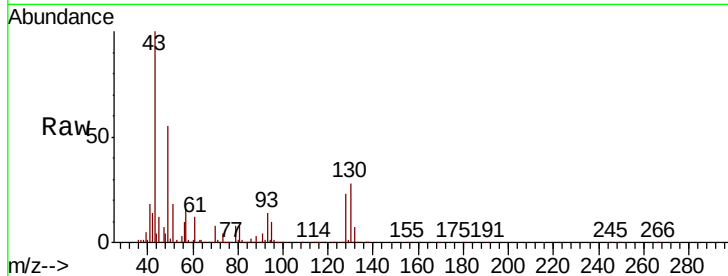
Lab File: VL036394.D

Acq: 25 Feb 2021 23:14

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 49 Resp: 1519611

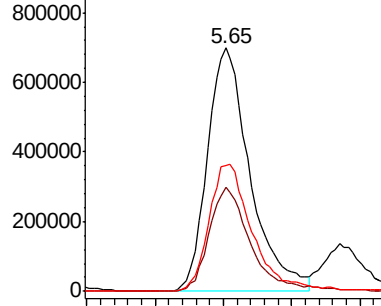
Ion	Ratio	Lower	Upper
49	100		
128	42.3	20.8	62.5
130	53.5	26.7	80.1



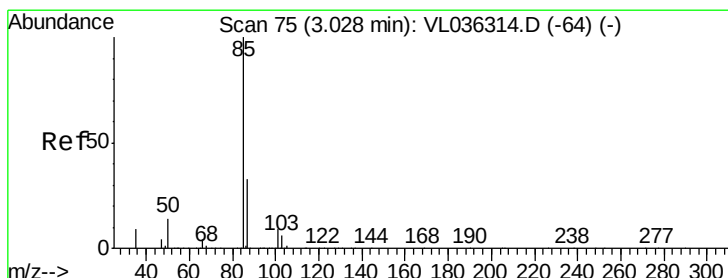
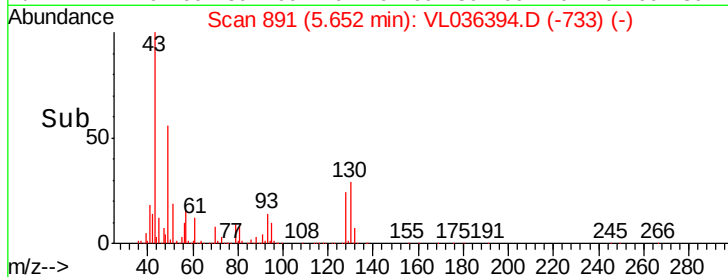
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



Time--> 5.55 5.60 5.65 5.70 5.75



#2

Dichlorodifluoromethane

Concen: 9.131 ppbv

RT: 3.03 min Scan# 77

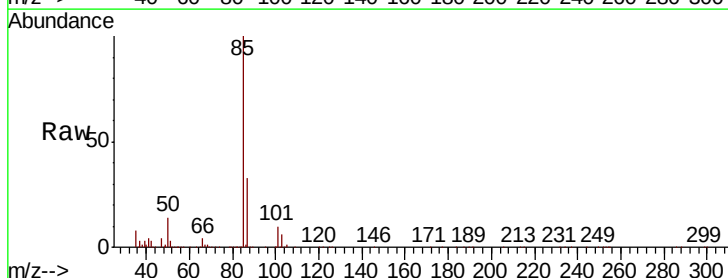
Delta R.T. 0.01 min

Lab File: VL036394.D

Acq: 25 Feb 2021 23:14

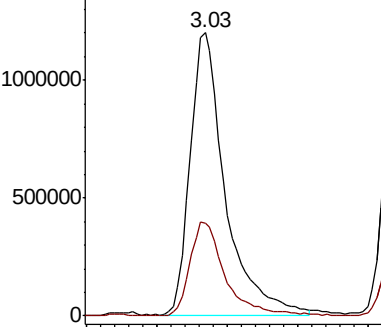
Tgt Ion: 85 Resp: 2070817

Ion	Ratio	Lower	Upper
85	100		
87	33.0	26.5	39.7

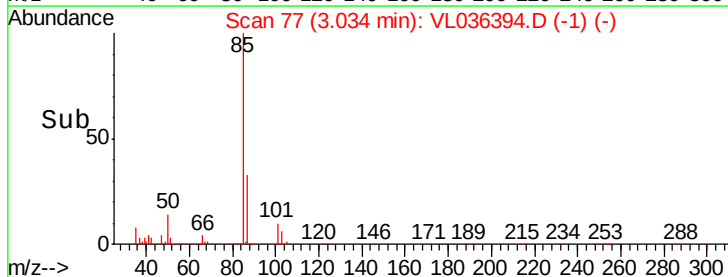


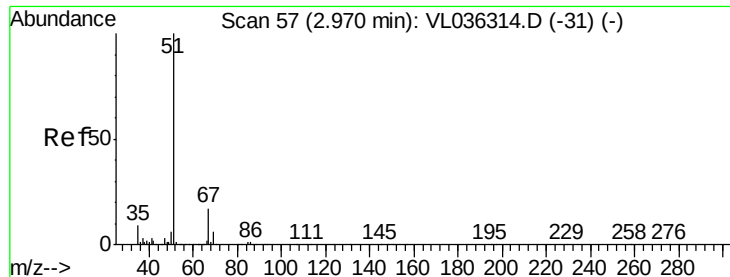
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0



Time--> 2.95 3.00 3.05 3.10





#3

Chlorodifluoromethane

Concen: 10.250 ppbv

RT: 2.97 min Scan# 58

Delta R.T. 0.00 min

Lab File: VL036394.D

Acq: 25 Feb 2021 23:14

Instrument :

MSVOA_L

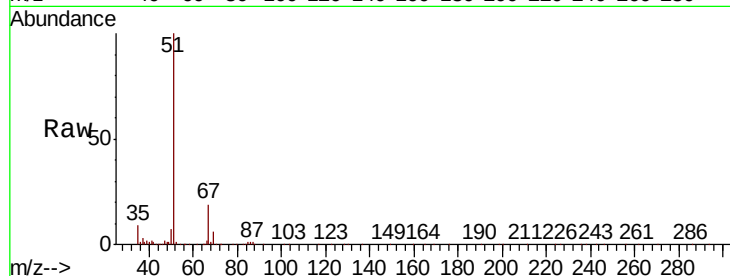
ClientSampleId :

Tot Ion: 51 Resp: 1935249

Ion Ratio Lower Upper

51 100

67 18.1 14.7 22.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.97

1200000

1000000

800000

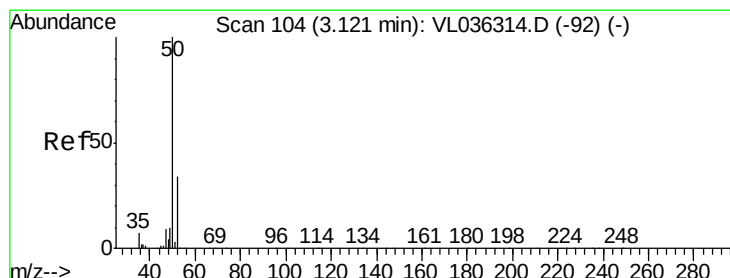
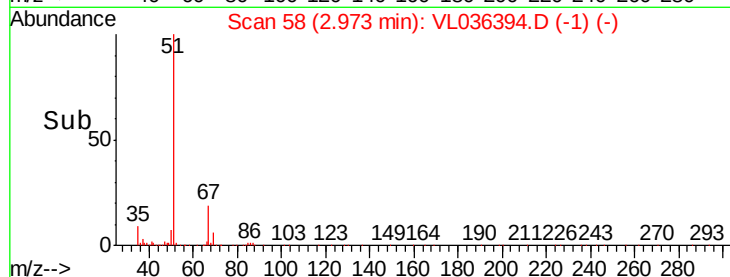
600000

400000

200000

0

Time-->



#4

Chloromethane

Concen: 10.637 ppbv

RT: 3.12 min Scan# 105

Delta R.T. 0.00 min

Lab File: VL036394.D

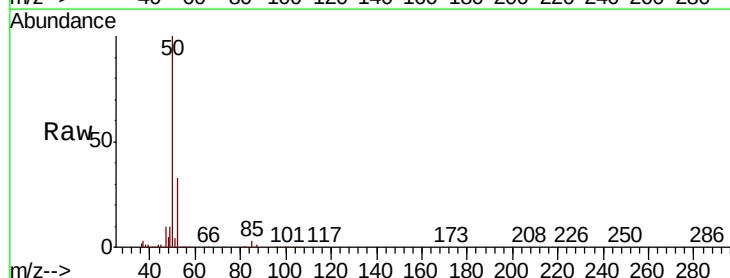
Acq: 25 Feb 2021 23:14

Tgt Ion: 50 Resp: 970270

Ion Ratio Lower Upper

50 100

52 33.6 27.0 40.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.12

600000

500000

400000

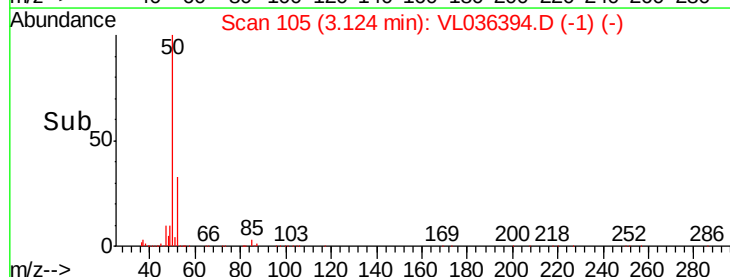
300000

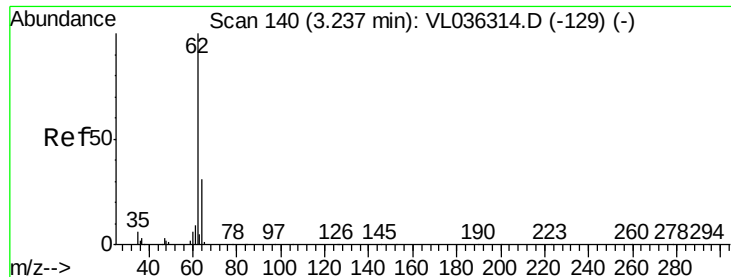
200000

100000

0

Time-->





#5

Vinyl Chloride

Concen: 11.168 ppbv

RT: 3.24 min Scan# 142

Delta R.T. 0.01 min

Lab File: VL036394.D

Acq: 25 Feb 2021 23:14

Instrument :

MSVOA_L

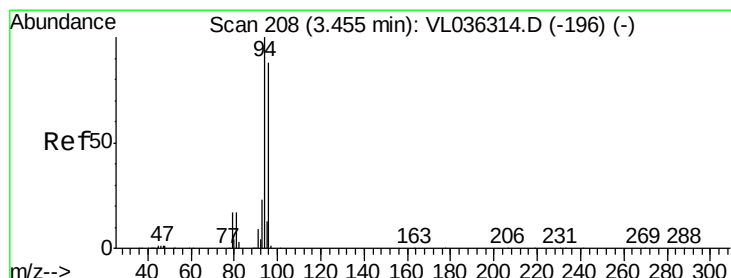
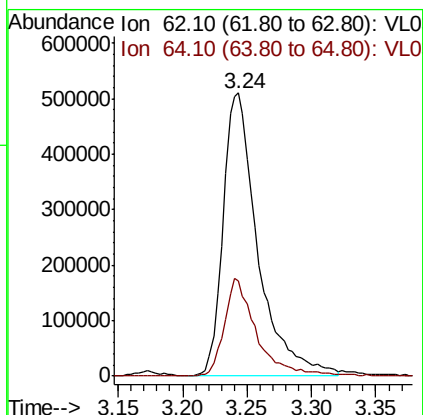
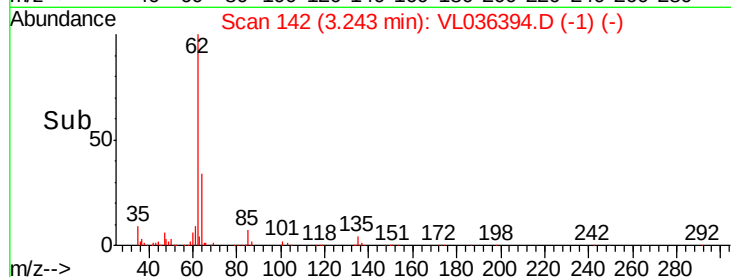
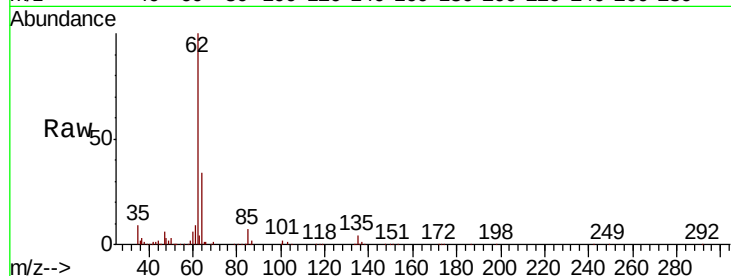
ClientSampled :

Tot Ion: 62 Resp: 948601

Ion Ratio Lower Upper

62 100

64 33.9 24.4 36.6



#6

Bromomethane

Concen: 10.666 ppbv

RT: 3.46 min Scan# 208

Delta R.T. 0.00 min

Lab File: VL036394.D

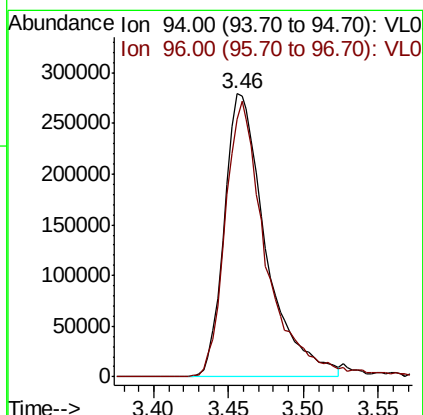
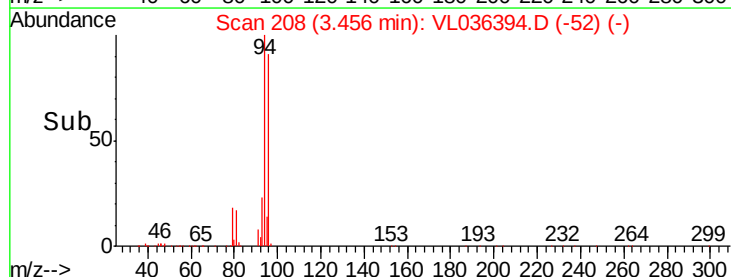
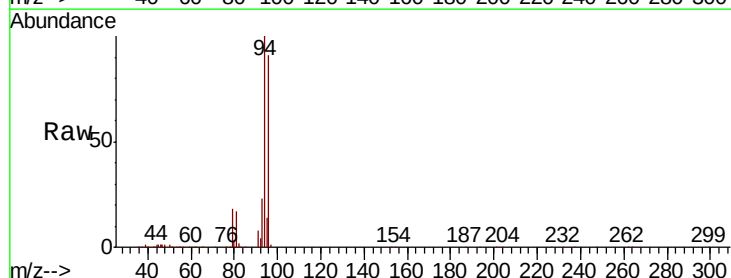
Acq: 25 Feb 2021 23:14

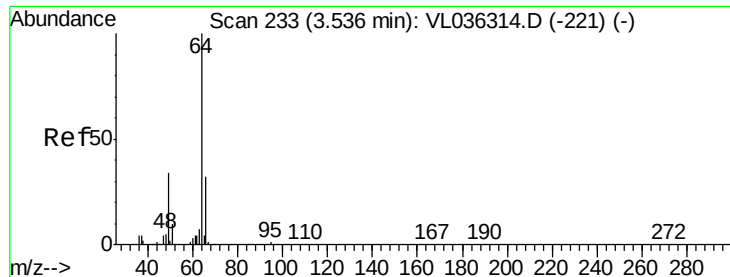
Tgt Ion: 94 Resp: 538474

Ion Ratio Lower Upper

94 100

96 91.3 70.8 106.2





#7

Chloroethane

Concen: 11.127 ppbv

RT: 3.54 min Scan# 235

Delta R.T. 0.01 min

Lab File: VL036394.D

Acq: 25 Feb 2021 23:14

Instrument :

MSVOA_L

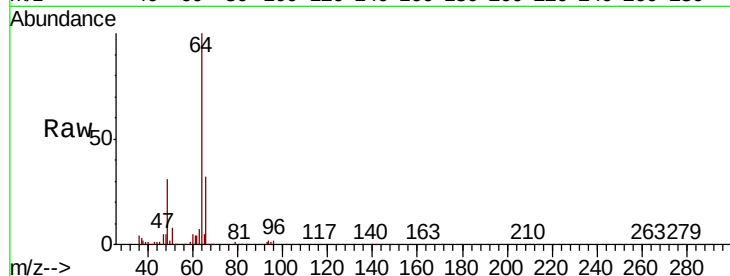
ClientSampleId :

Tot Ion: 64 Resp: 335591

Ion Ratio Lower Upper

64 100

66 32.0 25.6 38.4



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.54

200000

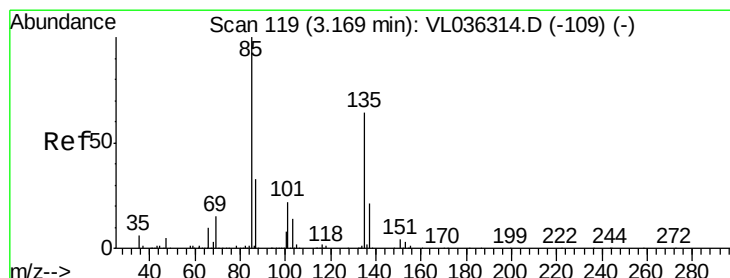
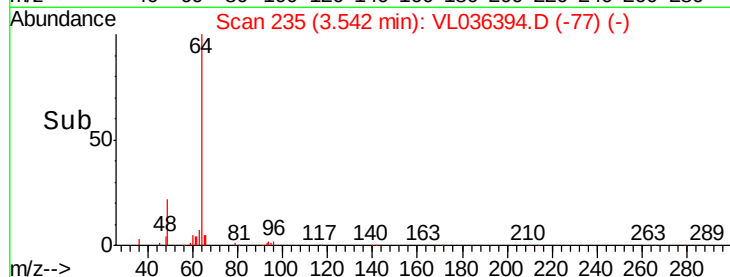
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 10.409 ppbv

RT: 3.17 min Scan# 120

Delta R.T. 0.00 min

Lab File: VL036394.D

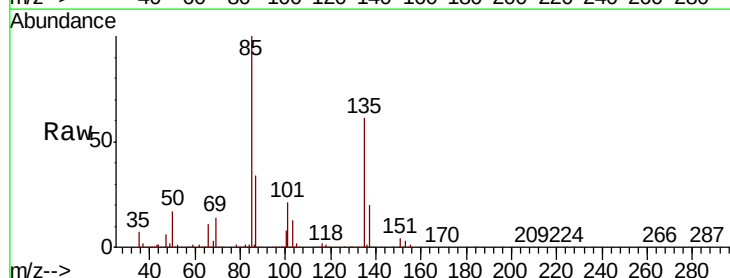
Acq: 25 Feb 2021 23:14

Tgt Ion: 85 Resp: 2146968

Ion Ratio Lower Upper

85 100

135 65.9 51.1 76.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

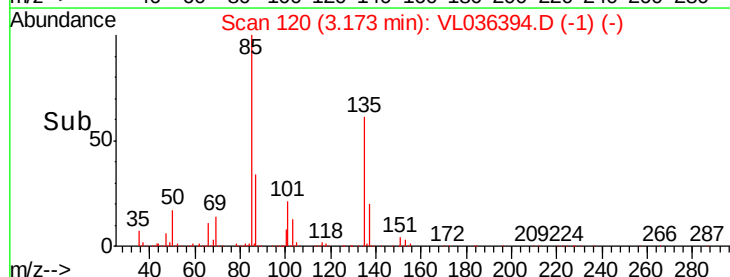
1500000

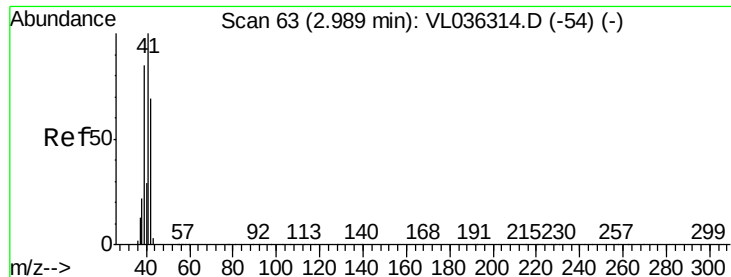
1000000

500000

0

Time-->





#9

Propene

Concen: 12.558 ppbv

RT: 3.00 min Scan# 65

Delta R.T. 0.01 min

Lab File: VL036394.D

Acq: 25 Feb 2021 23:14

Instrument :

MSVOA_L

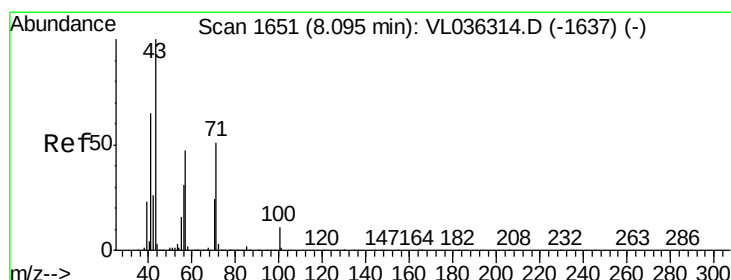
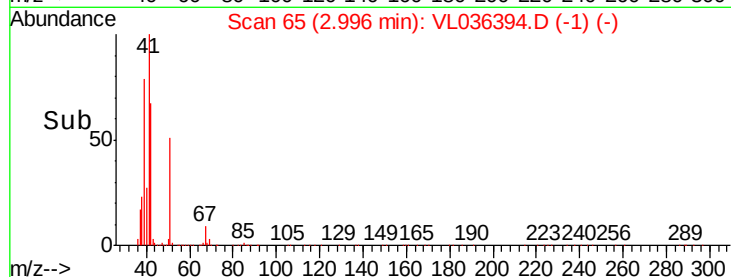
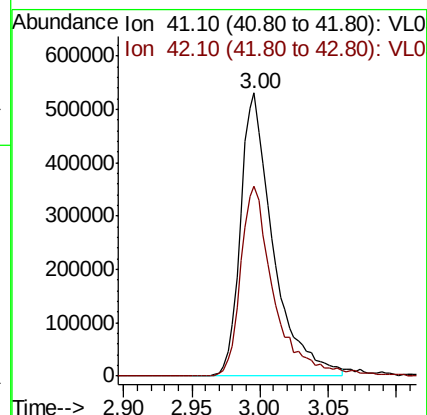
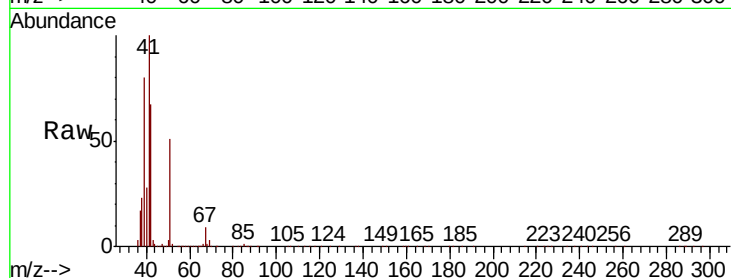
ClientSampleId :

Tot Ion: 41 Resp: 884016

Ion Ratio Lower Upper

41 100

42 69.3 56.2 84.2



#10

Heptane

Concen: 10.831 ppbv

RT: 8.10 min Scan# 1654

Delta R.T. 0.01 min

Lab File: VL036394.D

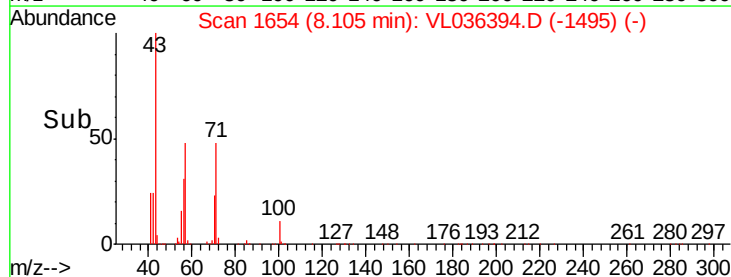
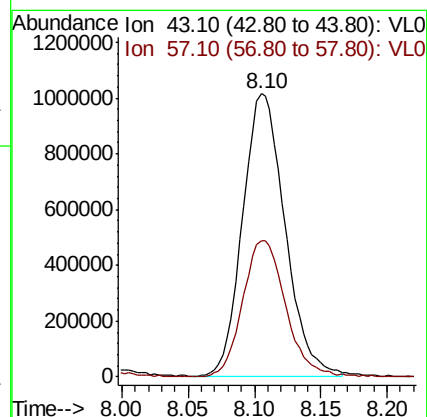
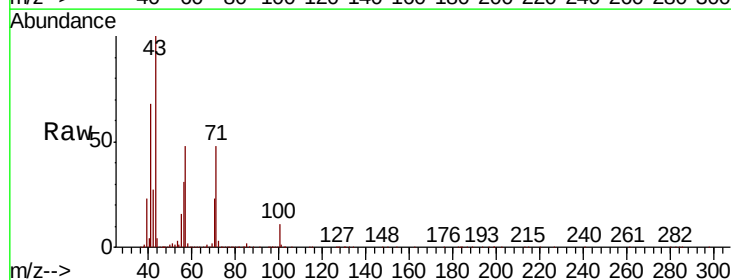
Acq: 25 Feb 2021 23:14

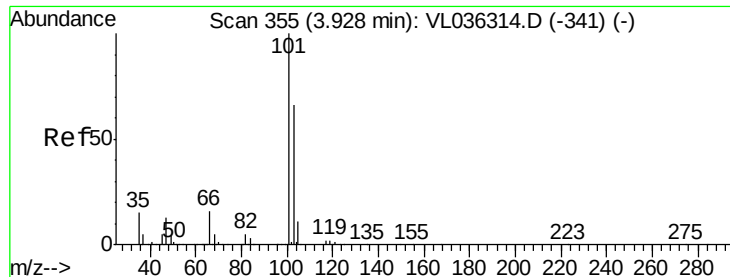
Tgt Ion: 43 Resp: 2247164

Ion Ratio Lower Upper

43 100

57 49.0 39.4 59.2



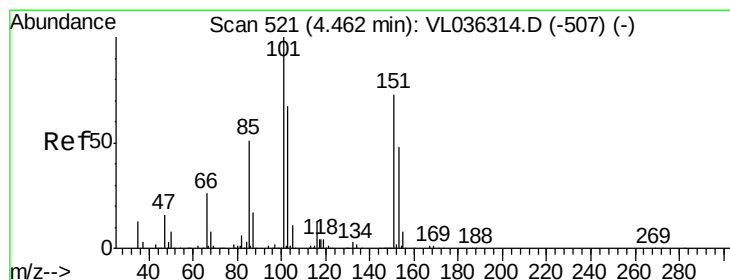
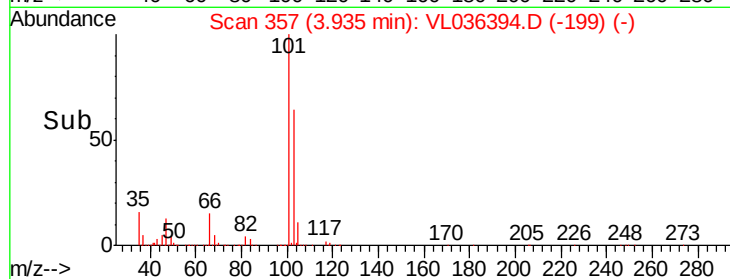
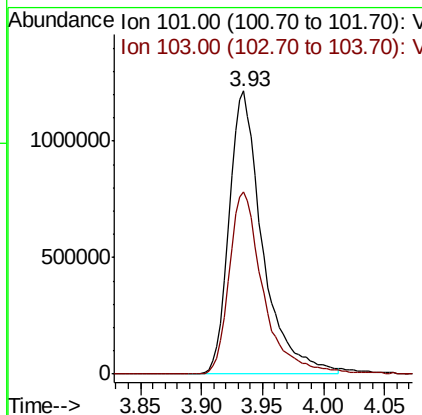
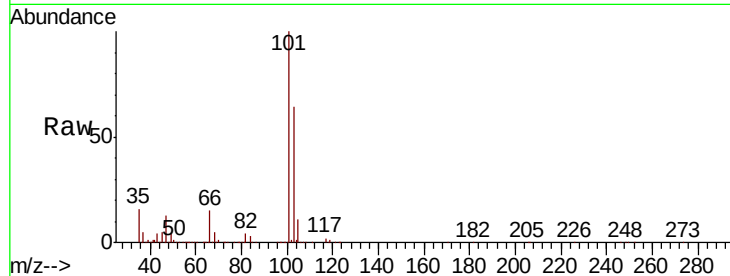


#11

Trichlorofluoromethane
Concen: 10.481 ppbv
RT: 3.93 min Scan# 357
Delta R.T. 0.01 min
Lab File: VL036394.D
Acq: 25 Feb 2021 23:14

Instrument :
MSVOA_L
ClientSampled :

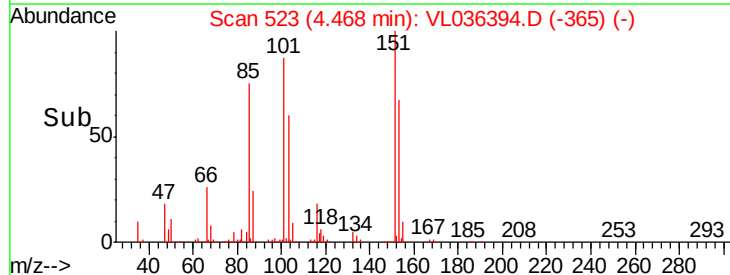
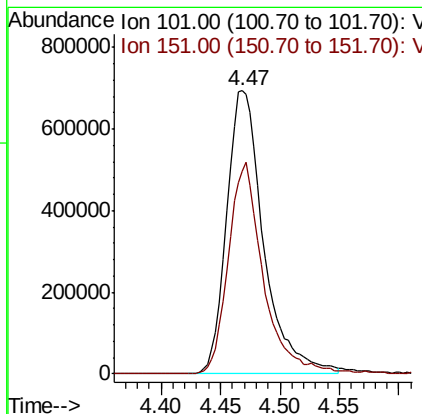
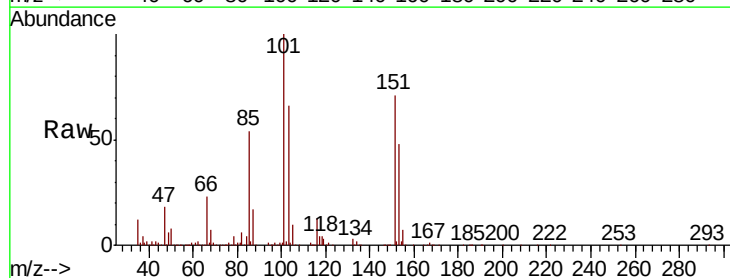
Tot Ion:101 Resp: 2327642
Ion Ratio Lower Upper
101 100
103 64.4 52.9 79.3

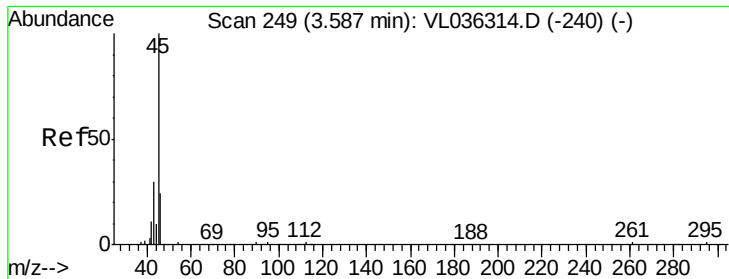


#12

1,1,2-Trichlorotrifluoroethane
Concen: 10.901 ppbv
RT: 4.47 min Scan# 523
Delta R.T. 0.01 min
Lab File: VL036394.D
Acq: 25 Feb 2021 23:14

Tgt Ion:101 Resp: 1499558
Ion Ratio Lower Upper
101 100
151 71.2 58.2 87.4

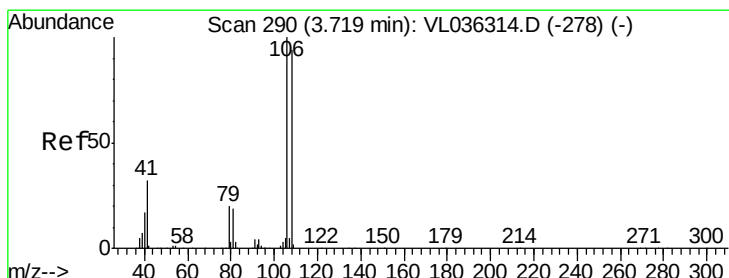
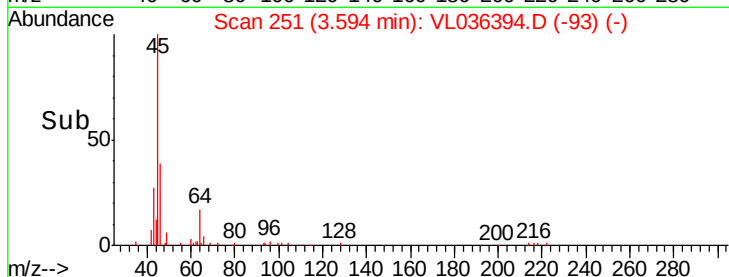
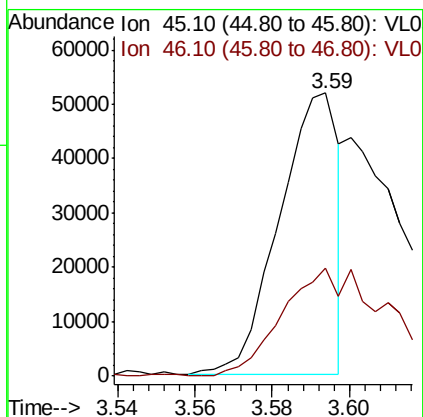
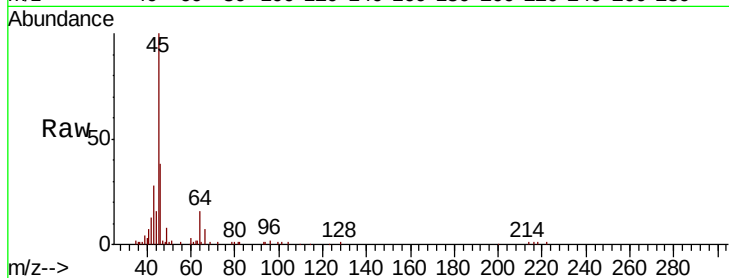




#13
Ethanol
Concen: 4.168 ppbv
RT: 3.59 min Scan# 251
Delta R.T. 0.01 min
Lab File: VL036394.D
Acq: 25 Feb 2021 23:14

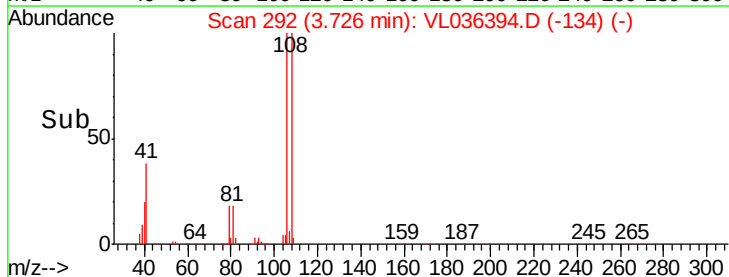
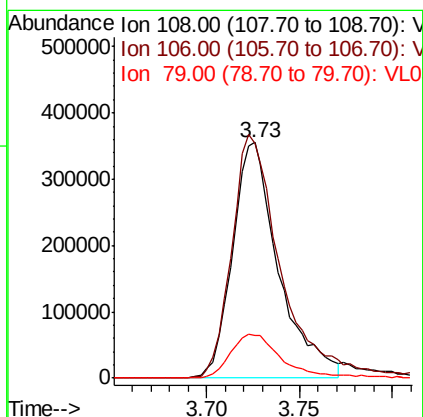
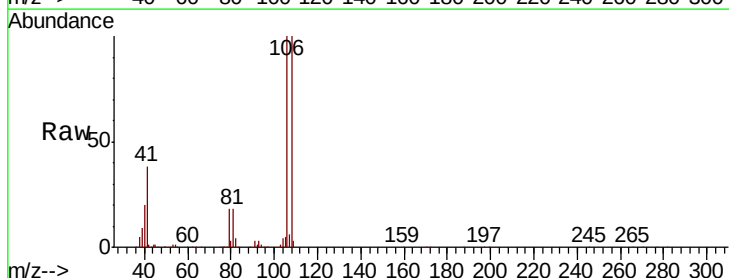
Instrument :
MSVOA_L
ClientSampled :

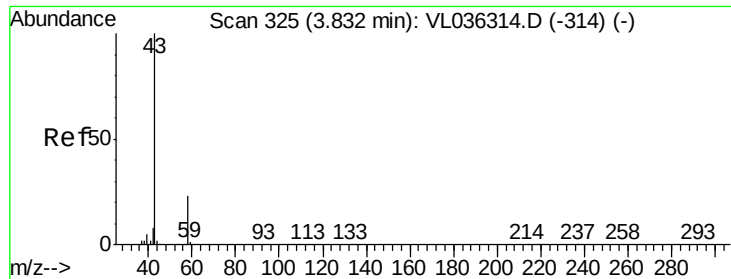
Tot Ion: 45 Resp: 55114
Ion Ratio Lower Upper
45 100
46 89.7 17.7 70.7#



#14
Bromoethene
Concen: 10.682 ppbv
RT: 3.73 min Scan# 292
Delta R.T. 0.01 min
Lab File: VL036394.D
Acq: 25 Feb 2021 23:14

Tgt Ion: 108 Resp: 615041
Ion Ratio Lower Upper
108 100
106 112.6 89.8 134.8
79 21.8 17.1 25.7





#15

Acetone

Concen: 9.767 ppbv

RT: 3.83 min Scan# 326

Delta R.T. 0.00 min

Lab File: VL036394.D

Acq: 25 Feb 2021 23:14

Instrument :

MSVOA_L

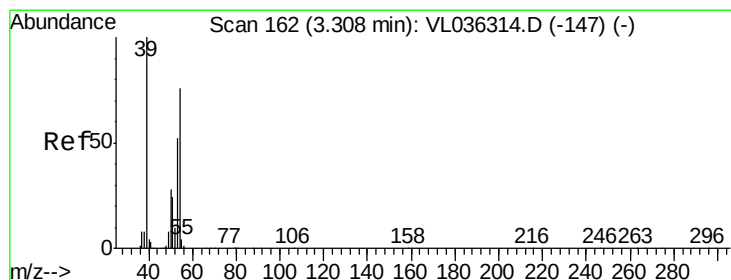
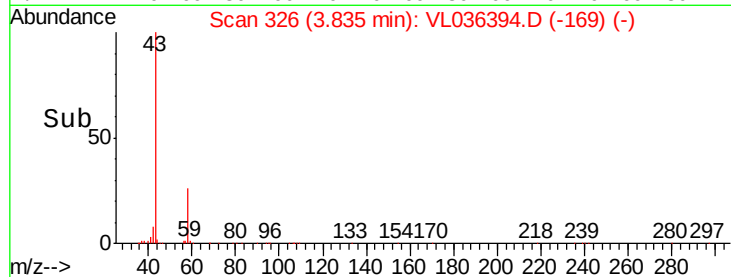
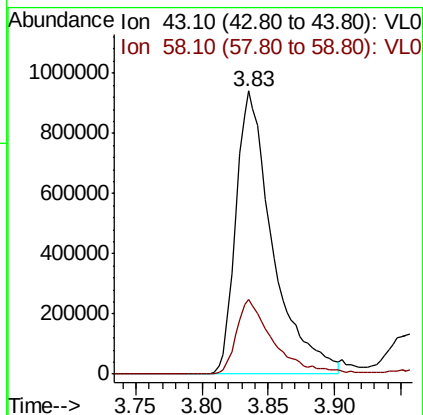
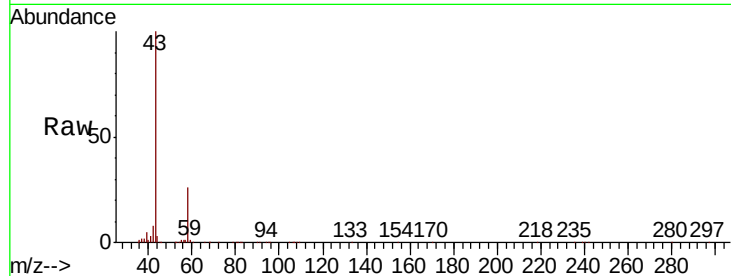
ClientSampled :

Tot Ion: 43 Resp: 1814201

Ion Ratio Lower Upper

43 100

58 26.7 20.3 30.5



#16

1,3-Butadiene

Concen: 10.407 ppbv

RT: 3.31 min Scan# 163

Delta R.T. 0.00 min

Lab File: VL036394.D

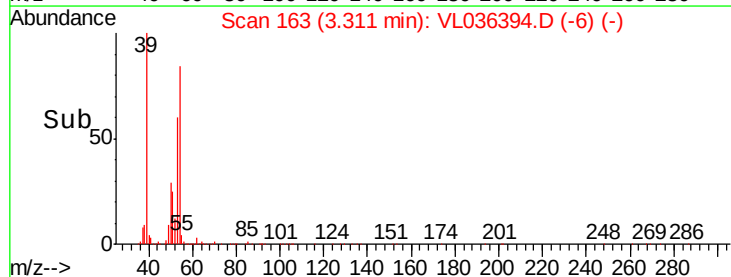
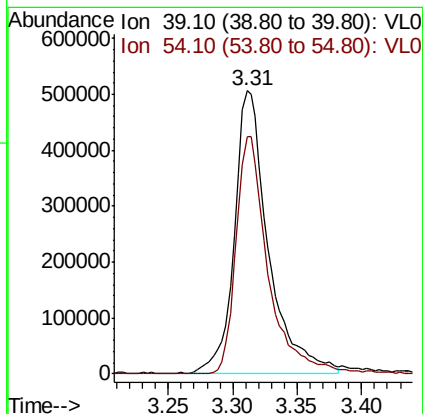
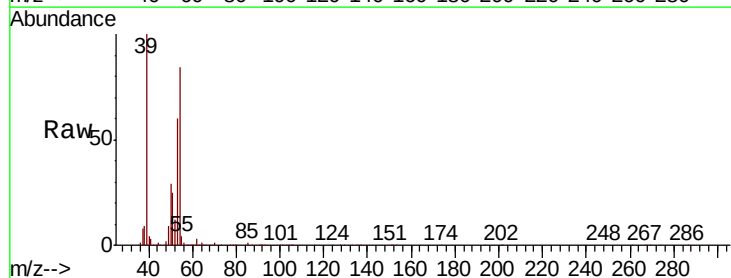
Acq: 25 Feb 2021 23:14

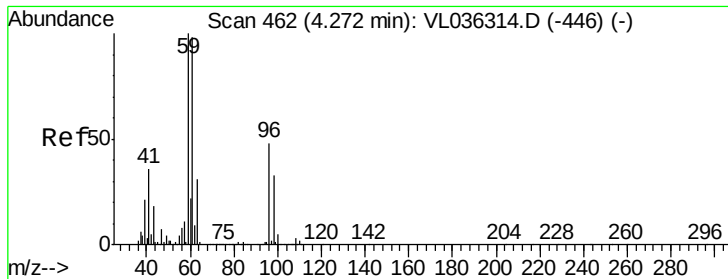
Tgt Ion: 39 Resp: 924363

Ion Ratio Lower Upper

39 100

54 80.5 64.4 96.6





#17

tert-Butyl alcohol
 Concen: 10.644 ppbv
 RT: 4.28 min Scan# 463
 Delta R.T. 0.00 min
 Lab File: VL036394.D
 Acq: 25 Feb 2021 23:14

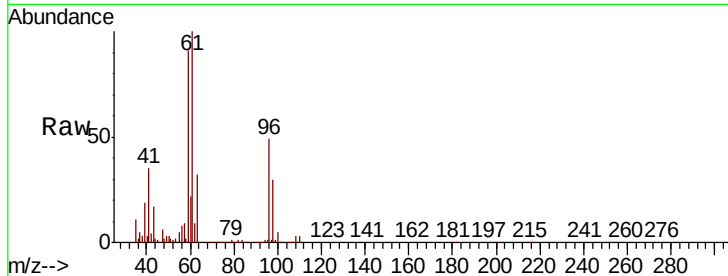
Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 59 Resp: 1534716

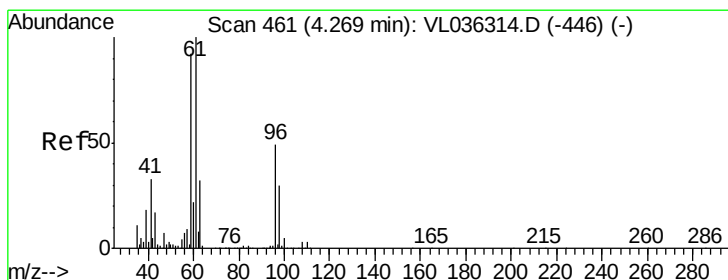
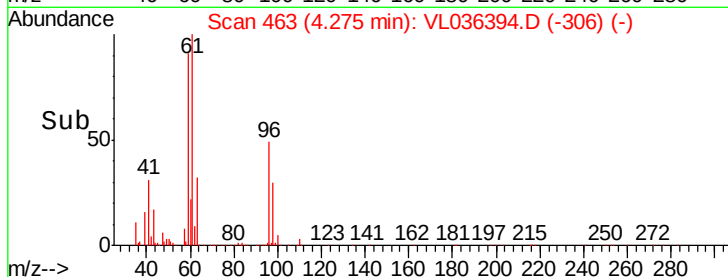
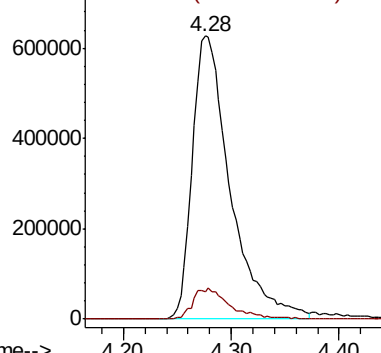
Ion Ratio Lower Upper

59 100

57 10.6 9.0 13.4



Abundance Ion 59.10 (58.80 to 59.80): VL0
 Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene
 Concen: 10.223 ppbv
 RT: 4.28 min Scan# 463
 Delta R.T. 0.01 min
 Lab File: VL036394.D
 Acq: 25 Feb 2021 23:14

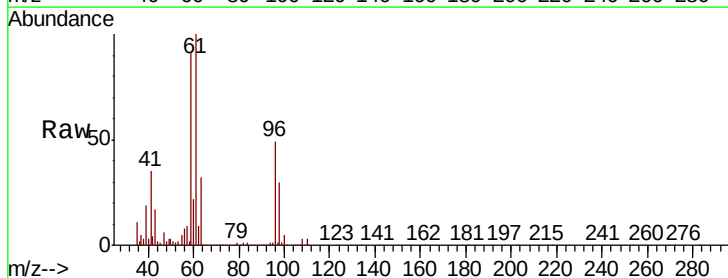
Tgt Ion: 96 Resp: 639098

Ion Ratio Lower Upper

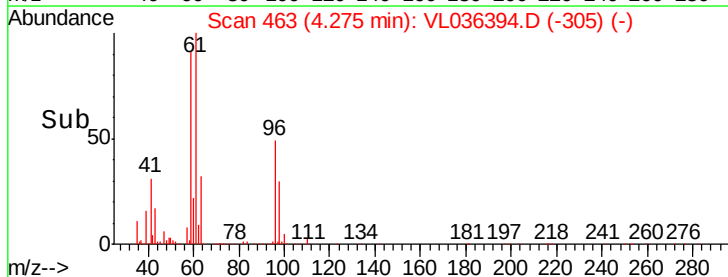
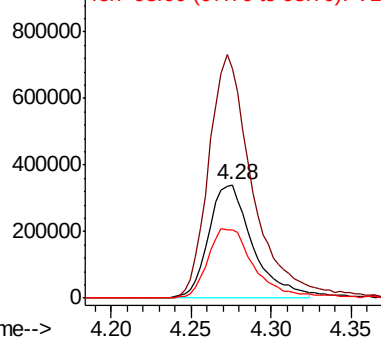
96 100

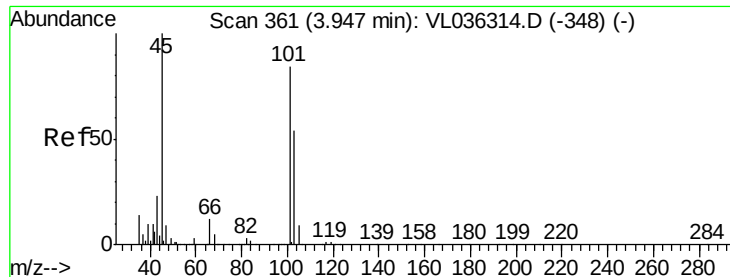
61 202.8 162.5 243.7

98 60.6 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





#19

Isopropyl Alcohol

Concen: 9.579 ppbv

RT: 3.95 min Scan# 363

Delta R.T. 0.01 min

Lab File: VL036394.D

Acq: 25 Feb 2021 23:14

Instrument :

MSVOA_L

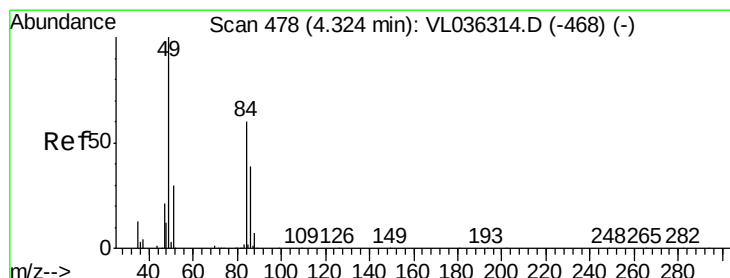
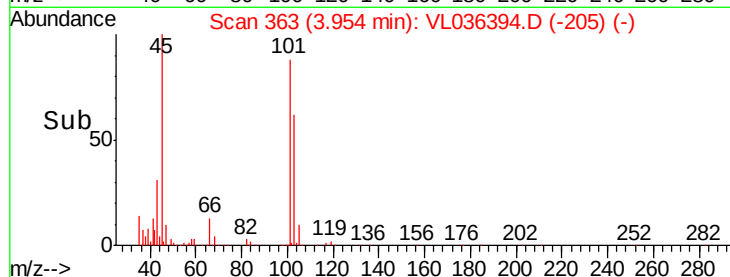
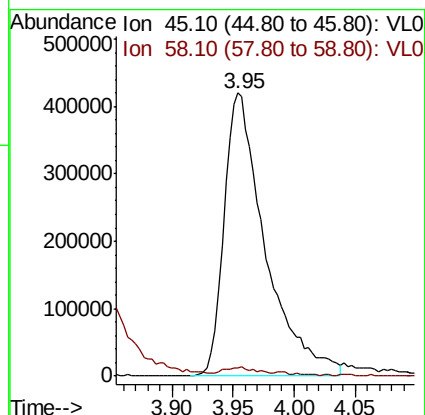
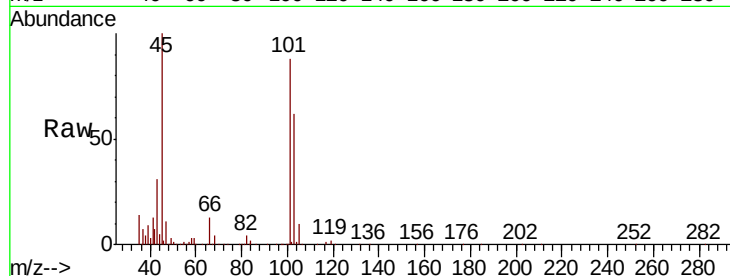
ClientSampleId :

Tot Ion: 45 Resp: 985790

Ion Ratio Lower Upper

45 100

58 3.0 1.9 2.9#



#20

Methylene Chloride

Concen: 9.360 ppbv

RT: 4.33 min Scan# 479

Delta R.T. 0.00 min

Lab File: VL036394.D

Acq: 25 Feb 2021 23:14

Tgt Ion: 84 Resp: 560936

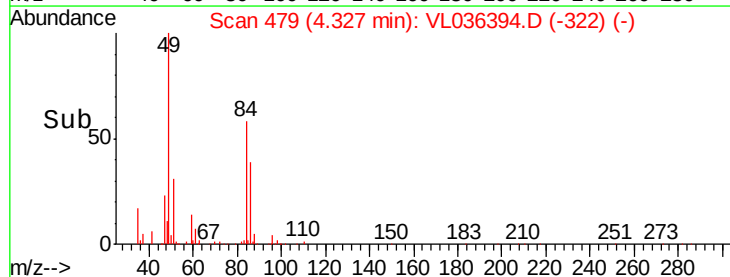
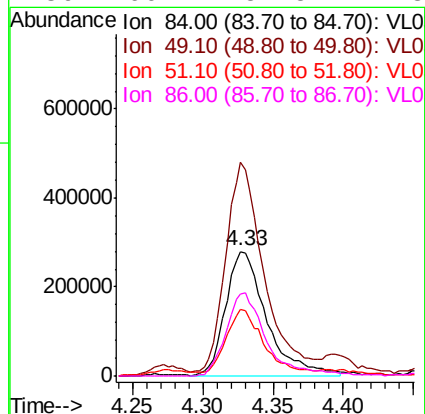
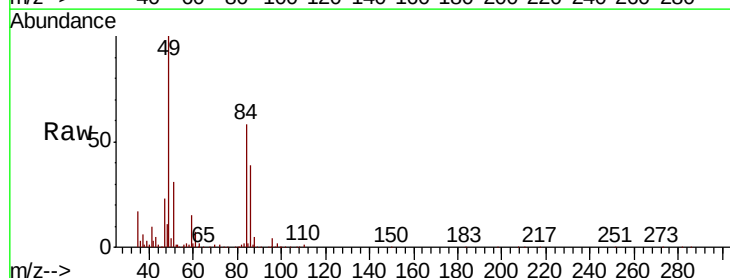
Ion Ratio Lower Upper

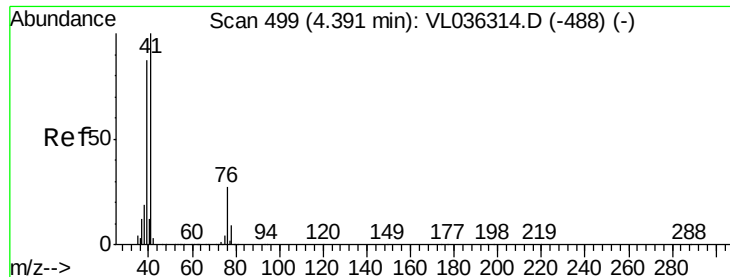
84 100

49 168.5 133.8 200.8

51 50.5 41.4 62.0

86 66.2 51.5 77.3

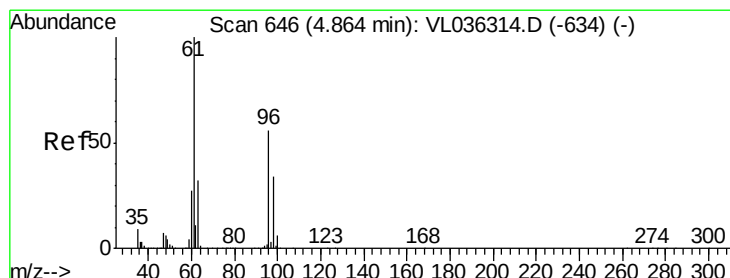
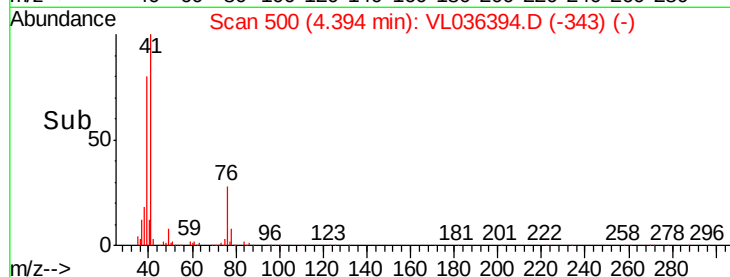
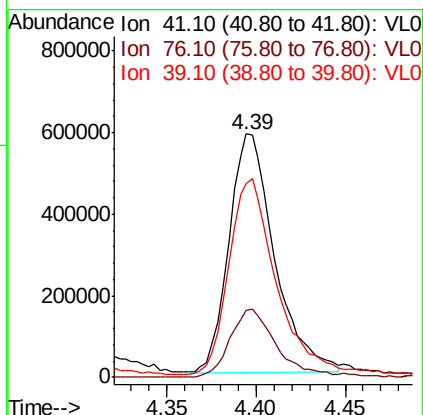
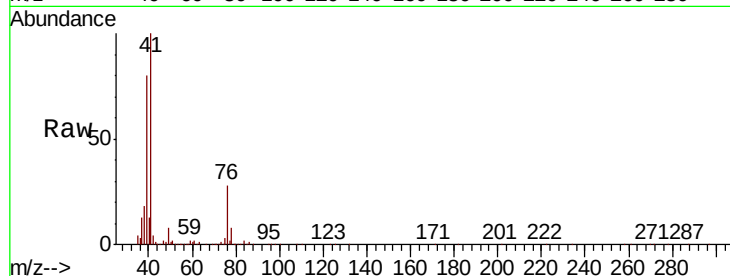




#21
Allvl Chloride
Concen: 10.094 ppbv
RT: 4.39 min Scan# 500
Delta R.T. 0.00 min
Lab File: VL036394.D
Acq: 25 Feb 2021 23:14

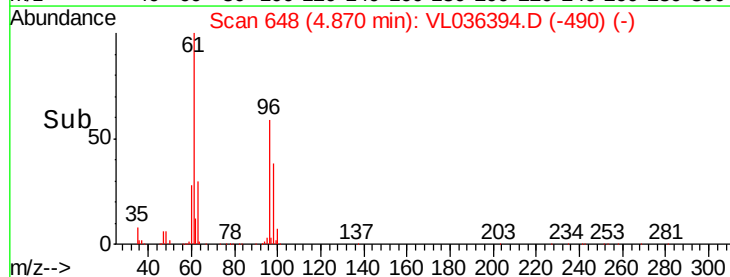
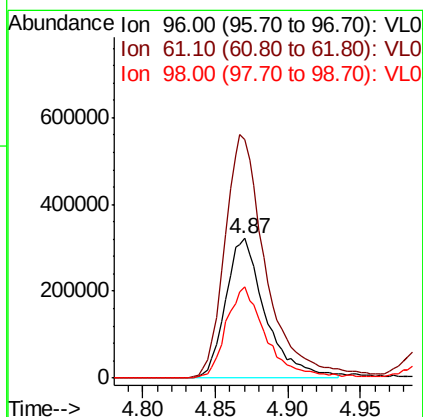
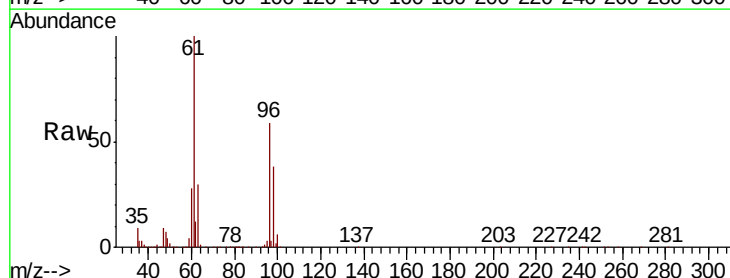
Instrument :
MSVOA_L
ClientSampleId :

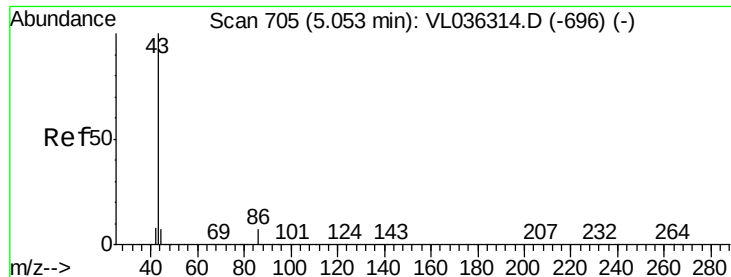
Tot Ion: 41 Resp: 1043963
Ion Ratio Lower Upper
41 100
76 29.9 22.0 33.0
39 88.6 70.2 105.2



#22
trans-1,2-Dichloroethene
Concen: 10.832 ppbv
RT: 4.87 min Scan# 648
Delta R.T. 0.01 min
Lab File: VL036394.D
Acq: 25 Feb 2021 23:14

Tgt Ion: 96 Resp: 615130
Ion Ratio Lower Upper
96 100
61 170.4 143.7 215.5
98 65.3 48.5 72.7





#23

Vinyl Acetate

Concen: 10.705 ppbv

RT: 5.06 min Scan# 707

Delta R.T. 0.01 min

Lab File: VL036394.D

Acq: 25 Feb 2021 23:14

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 2337966

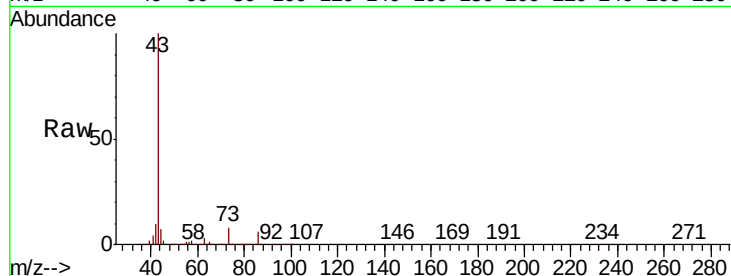
Ion Ratio Lower Upper

43 100

86 6.3 4.8 7.2

42 10.1 7.4 11.0

44 6.2 4.8 7.2

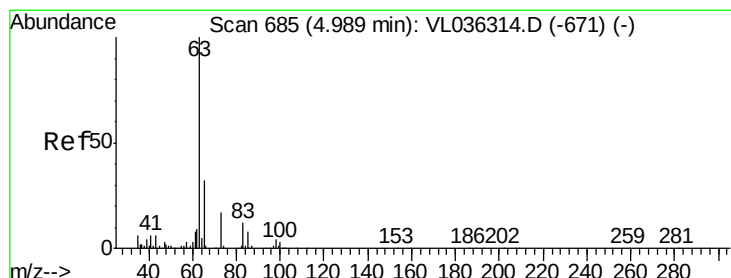
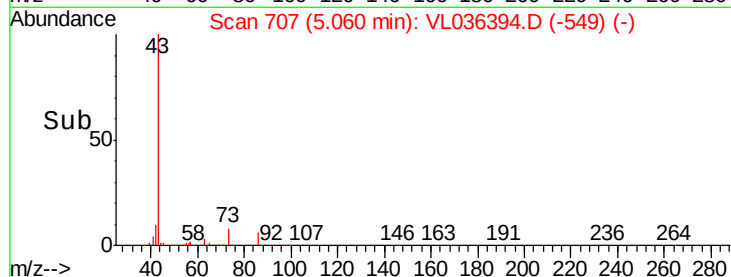
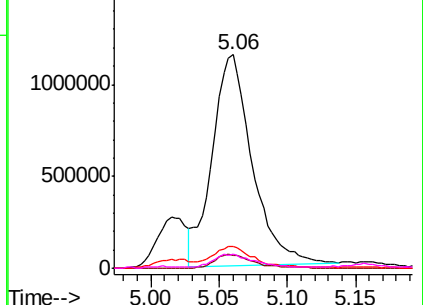


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.485 ppbv

RT: 5.00 min Scan# 687

Delta R.T. 0.01 min

Lab File: VL036394.D

Acq: 25 Feb 2021 23:14

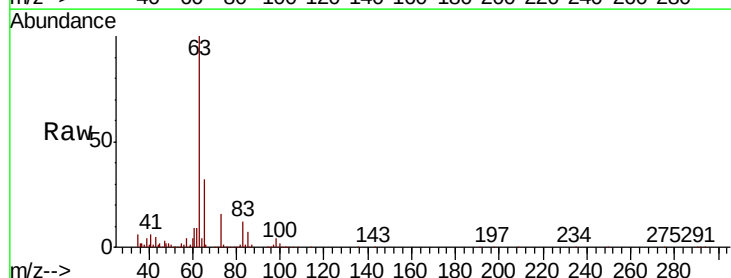
Tgt Ion: 63 Resp: 1693572

Ion Ratio Lower Upper

63 100

98 3.8 2.0 6.0

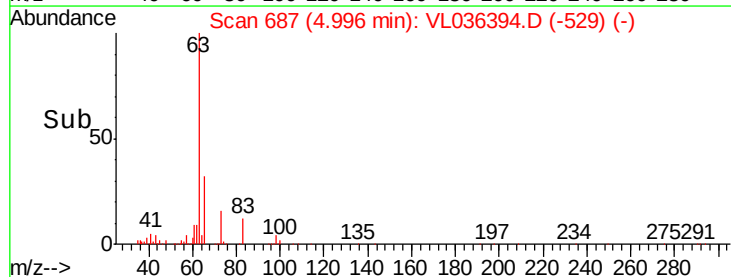
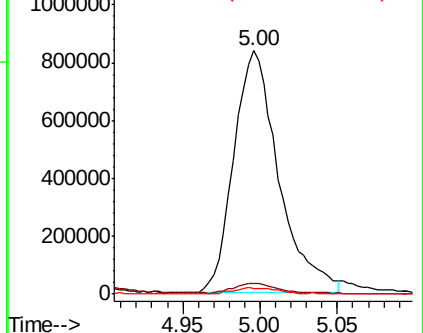
100 2.4 1.5 4.4

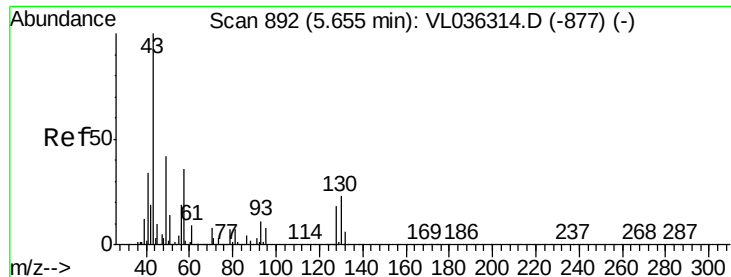


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



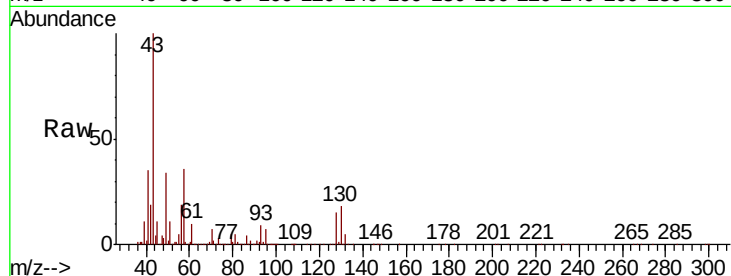


#25
Ethyl Acetate
Concen: 10.545 ppbv
RT: 5.66 min Scan# 894
Delta R.T. 0.01 min
Lab File: VL036394.D
Acq: 25 Feb 2021 23:14

Instrument :
MSVOA_L
ClientSampleID :

Tot Ion: 43 Resp: 3781485

Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.3	12.5
61	9.5	7.3	10.9
70	6.8	5.4	8.0



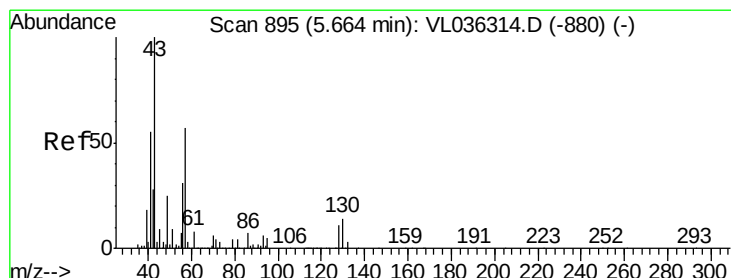
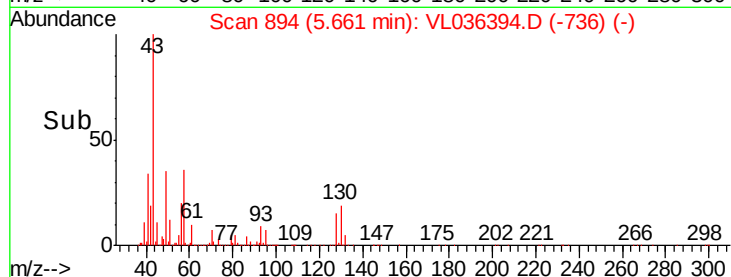
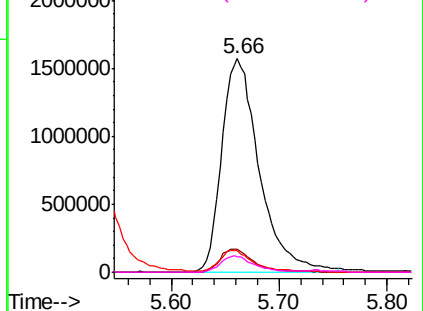
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

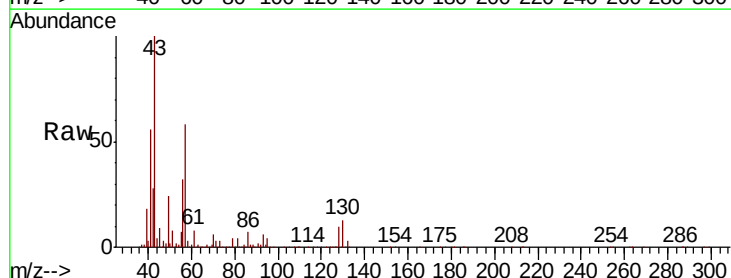
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 10.513 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.01 min
Lab File: VL036394.D
Acq: 25 Feb 2021 23:14

Tgt Ion: 57 Resp: 1549037

Ion	Ratio	Lower	Upper
57	100		
41	101.1	81.7	122.5
43	248.0	199.1	298.7
56	55.6	44.0	66.0



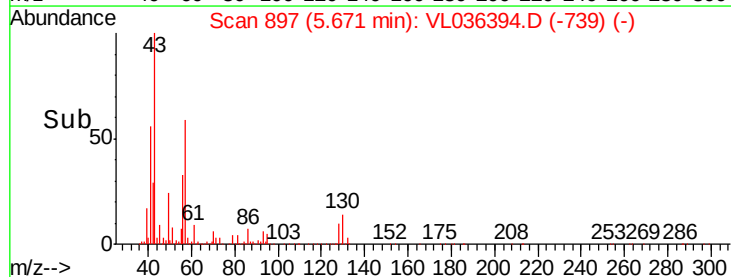
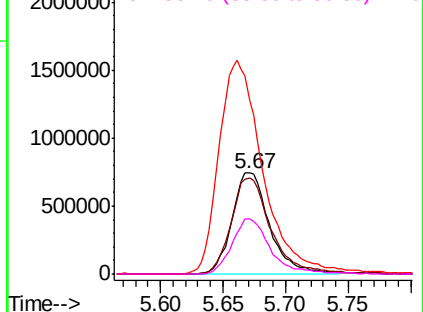
Abundance

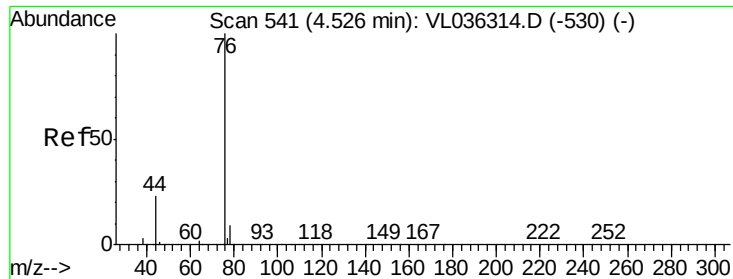
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 12.103 ppbv

RT: 4.53 min Scan# 543

Delta R.T. 0.01 min

Lab File: VL036394.D

Acq: 25 Feb 2021 23:14

Instrument :

MSVOA_L

ClientSampleId :

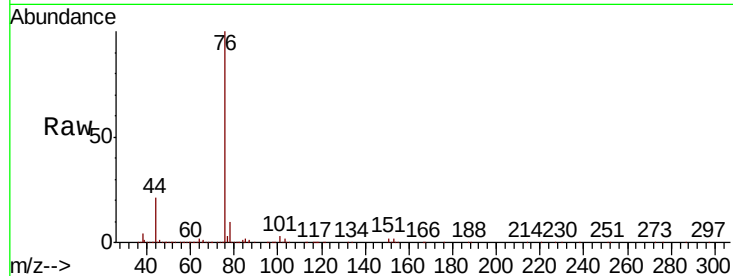
Tot Ion: 76 Resp: 1638901

Ion Ratio Lower Upper

76 100

44 21.9 18.4 27.6

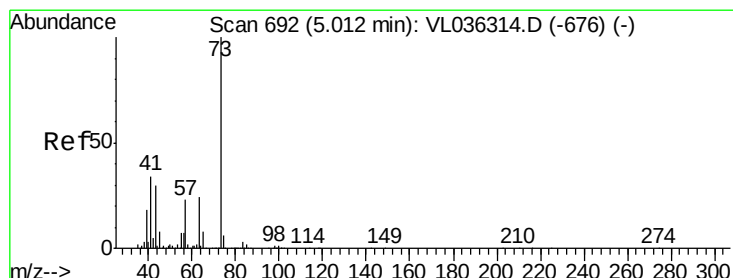
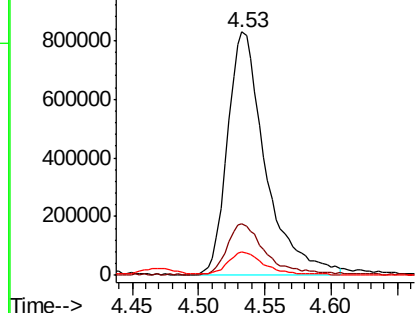
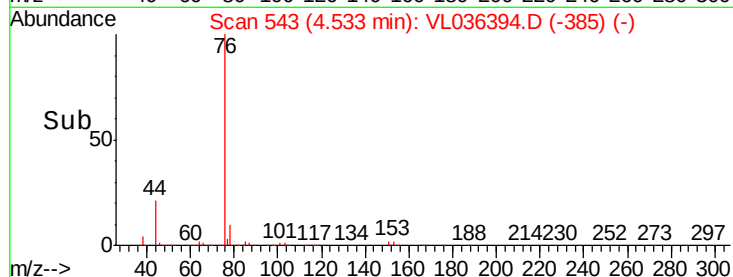
78 9.6 8.0 12.0



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: 10.748 ppbv

RT: 5.01 min Scan# 693

Delta R.T. 0.00 min

Lab File: VL036394.D

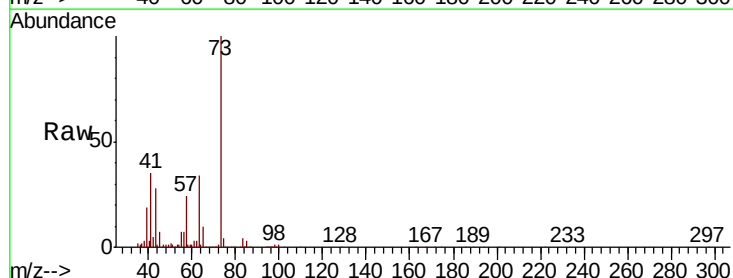
Acq: 25 Feb 2021 23:14

Tgt Ion: 73 Resp: 2068712

Ion Ratio Lower Upper

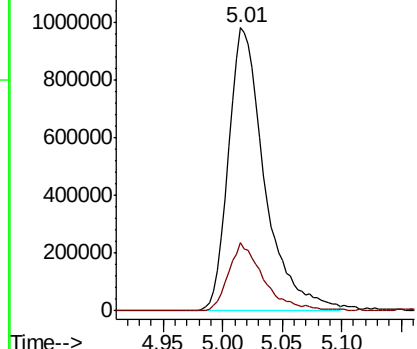
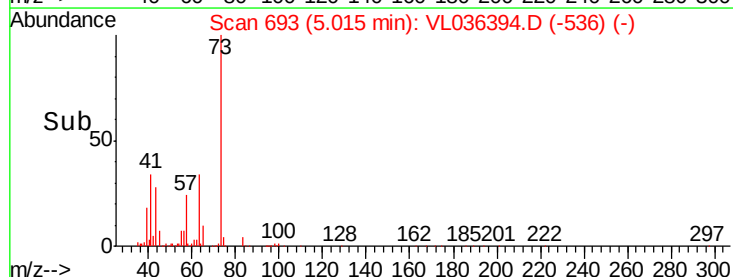
73 100

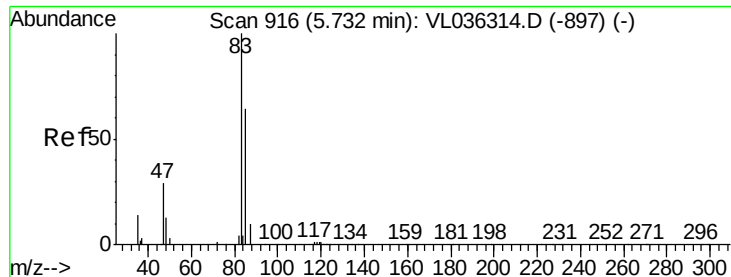
57 23.5 19.2 28.8



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

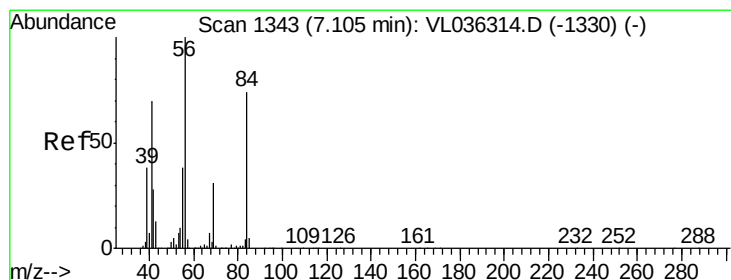
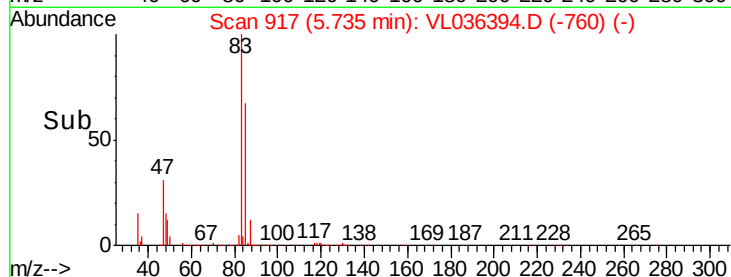
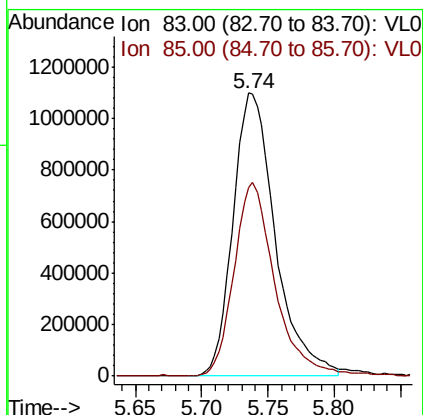
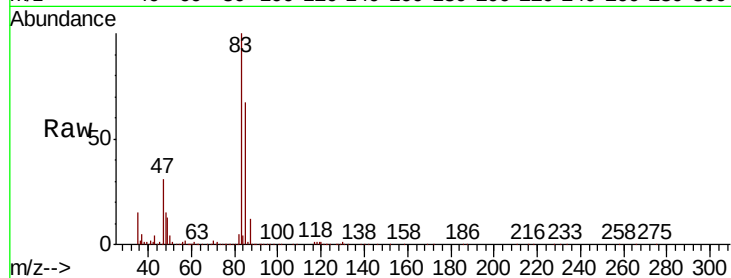




#29
Chloroform
Concen: 10.264 ppbv
RT: 5.74 min Scan# 917
Delta R.T. 0.00 min
Lab File: VL036394.D
Acq: 25 Feb 2021 23:14

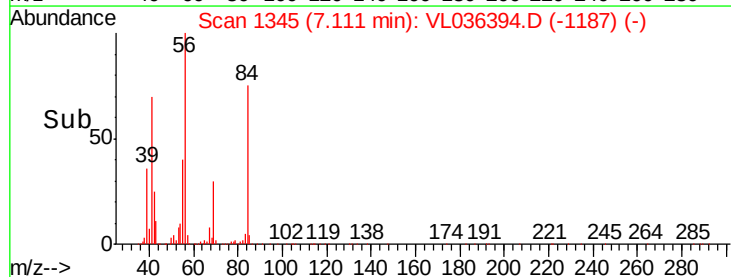
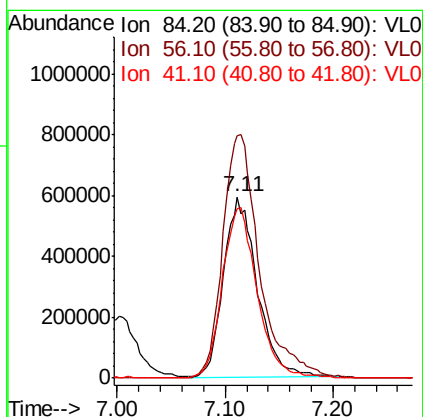
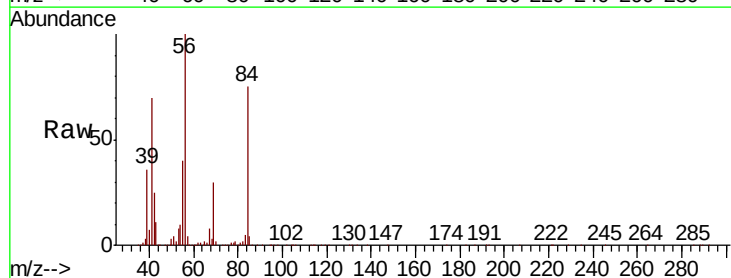
Instrument :
MSVOA_L
ClientSampleId :

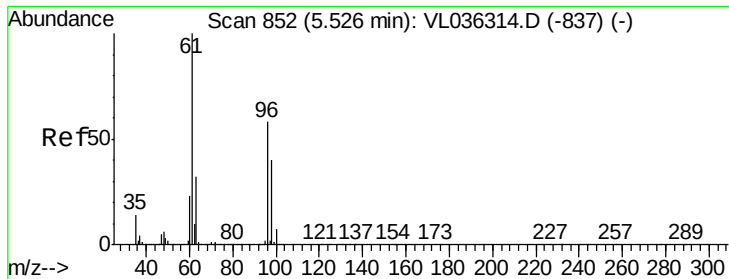
Tot Ion: 83 Resp: 2436480
Ion Ratio Lower Upper
83 100
85 66.6 51.4 77.2



#30
Cyclohexane
Concen: 10.521 ppbv
RT: 7.11 min Scan# 1345
Delta R.T. 0.01 min
Lab File: VL036394.D
Acq: 25 Feb 2021 23:14

Tgt Ion: 84 Resp: 1289167
Ion Ratio Lower Upper
84 100
56 148.3 120.2 180.4
41 98.1 79.7 119.5



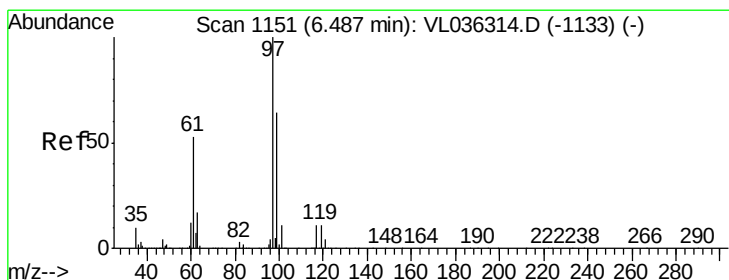
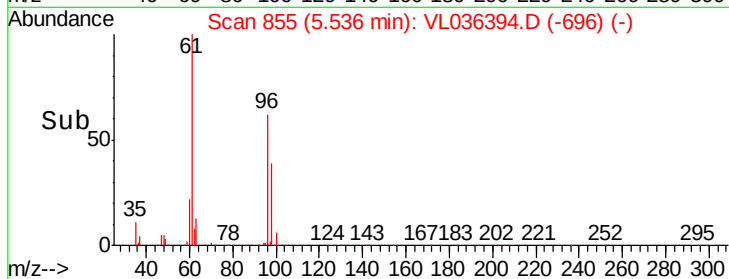
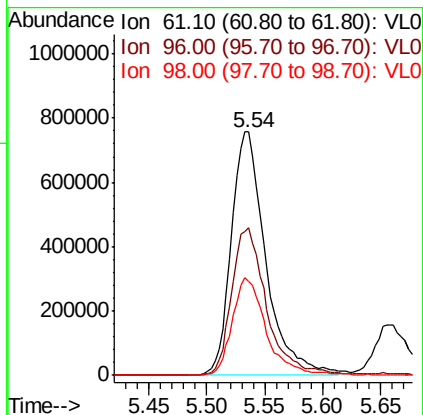
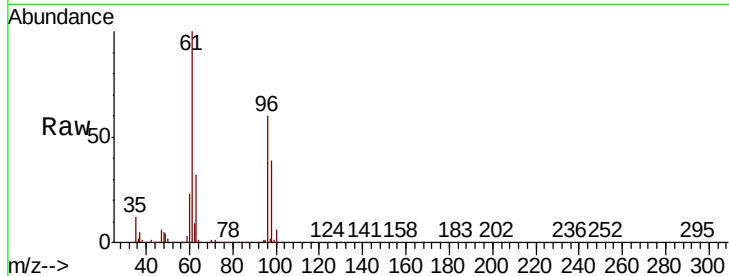


#31

cis-1,2-Dichloroethene
Concen: 10.710 ppbv
RT: 5.54 min Scan# 855
Delta R.T. 0.01 min
Lab File: VL036394.D
Acq: 25 Feb 2021 23:14

Instrument :
MSVOA_L
ClientSampleId :

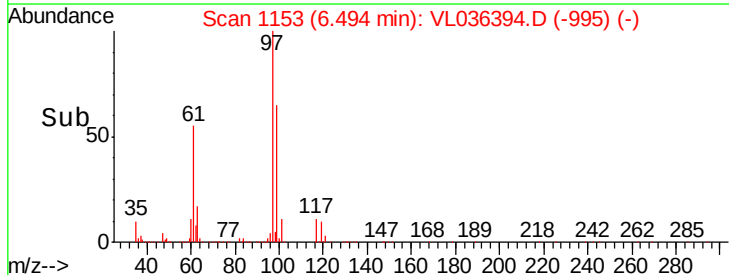
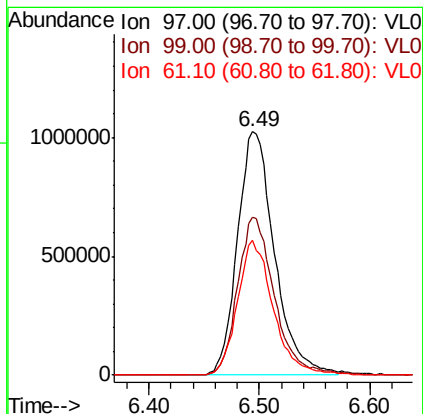
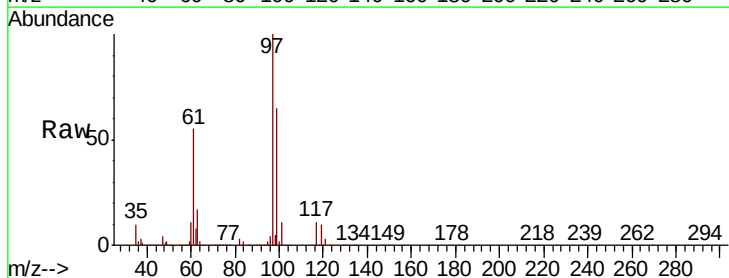
Tot Ion: 61 Resp: 1561416
Ion Ratio Lower Upper
61 100
96 60.3 46.0 69.0
98 38.7 31.9 47.9

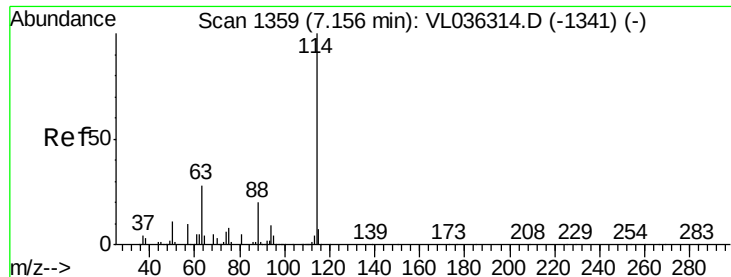


#32

1,1,1-Trichloroethane
Concen: 10.762 ppbv
RT: 6.49 min Scan# 1153
Delta R.T. 0.01 min
Lab File: VL036394.D
Acq: 25 Feb 2021 23:14

Tgt Ion: 97 Resp: 2388395
Ion Ratio Lower Upper
97 100
99 64.7 52.2 78.4
61 53.5 43.3 64.9

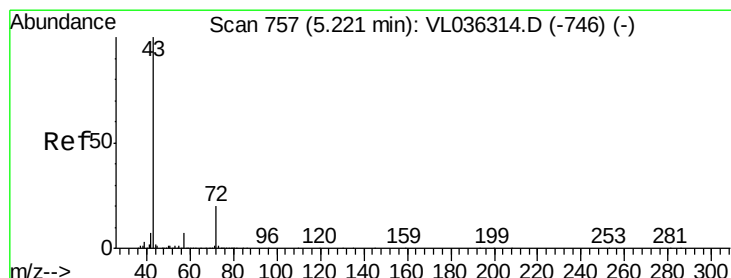
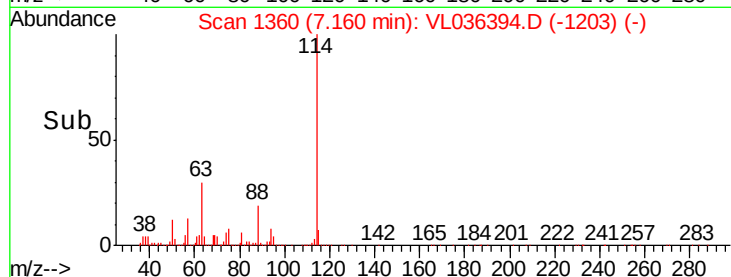
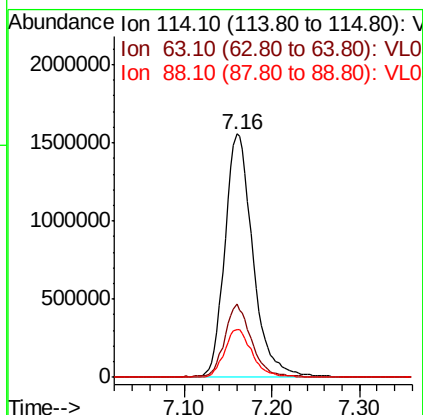
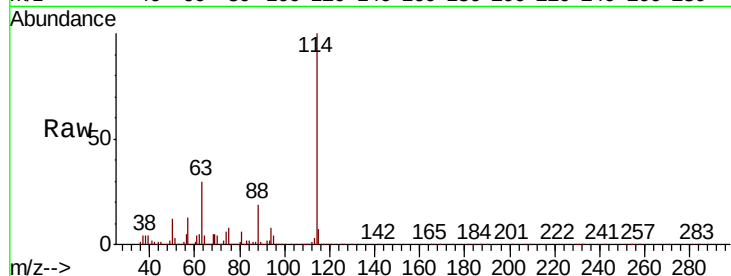




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VL036394.D
 Acq: 25 Feb 2021 23:14

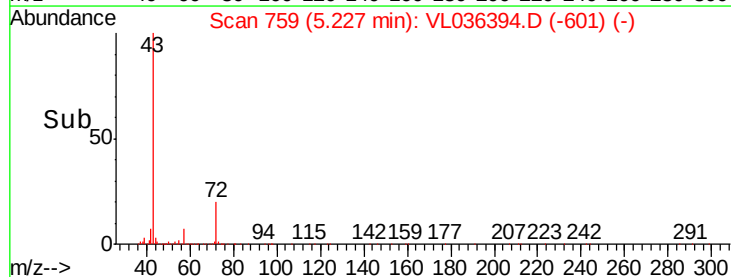
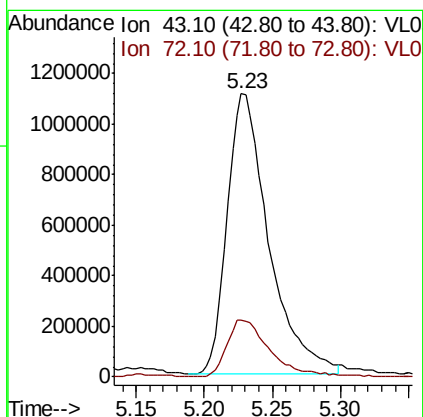
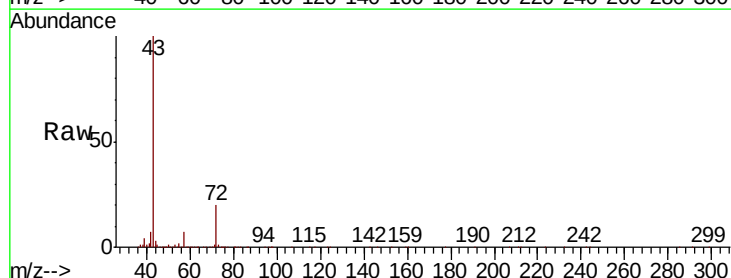
Instrument :
 MSVOA_L
 ClientSampleId :

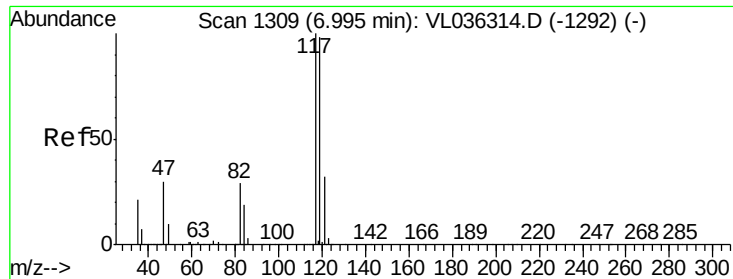
Tot Ion:114 Resp: 3468939
 Ion Ratio Lower Upper
 114 100
 63 29.2 24.1 36.1
 88 19.7 16.0 24.0



#34
 2-Butanone
 Concen: 10.259 ppbv
 RT: 5.23 min Scan# 759
 Delta R.T. 0.01 min
 Lab File: VL036394.D
 Acq: 25 Feb 2021 23:14

Tgt Ion: 43 Resp: 2364522
 Ion Ratio Lower Upper
 43 100
 72 21.4 16.7 25.1





#35

Carbon Tetrachloride

Concen: 10.494 ppbv

RT: 7.00 min Scan# 1311

Delta R.T. 0.01 min

Lab File: VL036394.D

Acq: 25 Feb 2021 23:14

Instrument :

MSVOA_L

ClientSampled :

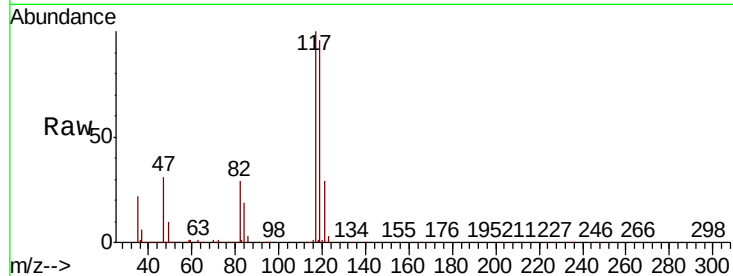
Tot Ion:117 Resp: 2439812

Ion Ratio Lower Upper

117 100

119 96.5 78.1 117.1

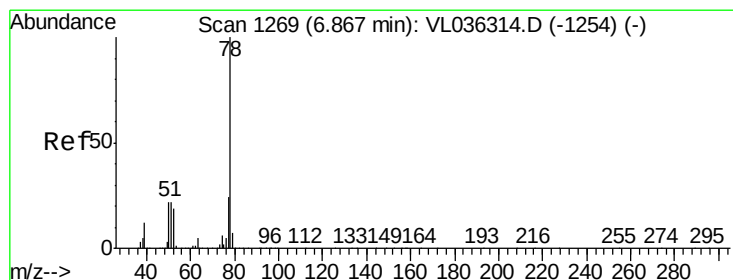
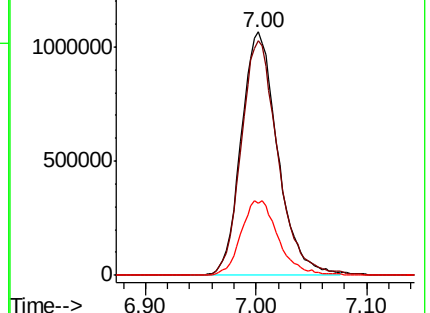
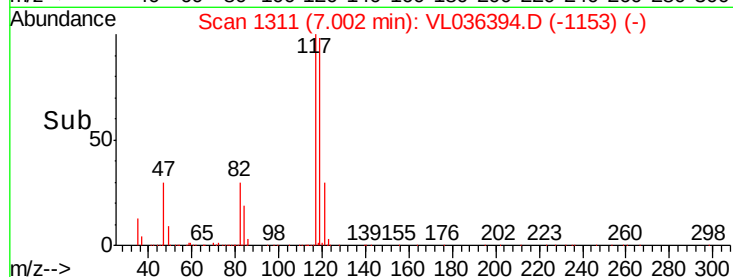
121 29.4 25.8 38.8



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: 10.820 ppbv

RT: 6.88 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VL036394.D

Acq: 25 Feb 2021 23:14

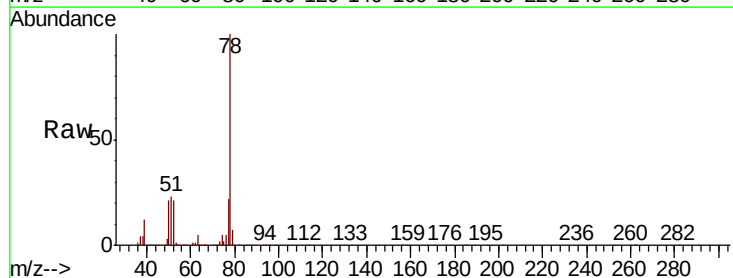
Tgt Ion: 78 Resp: 3188502

Ion Ratio Lower Upper

78 100

77 21.9 18.9 28.3

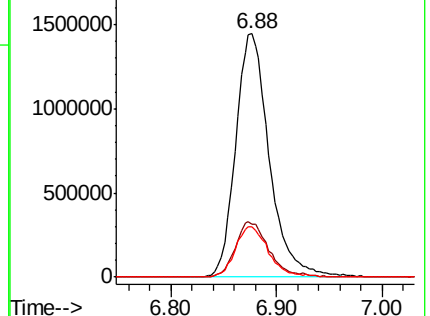
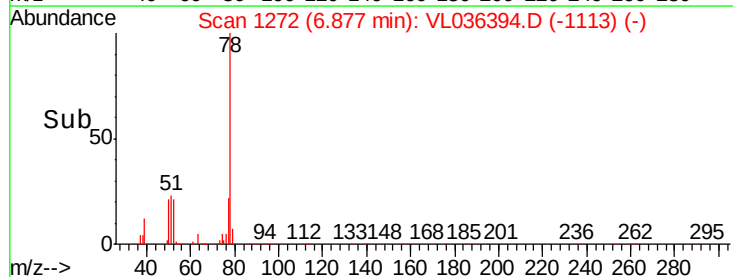
50 20.7 17.3 25.9

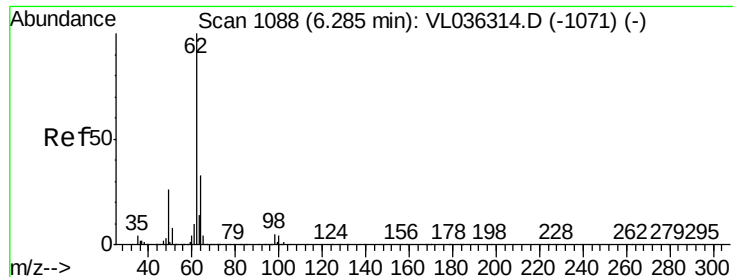


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

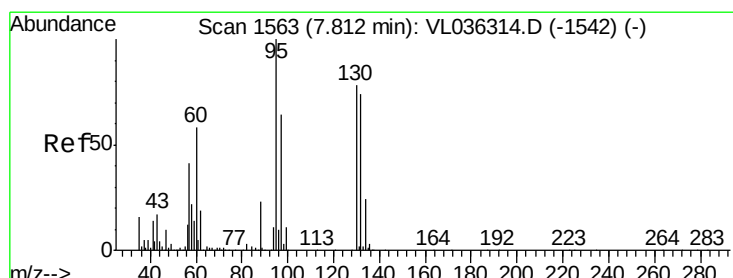
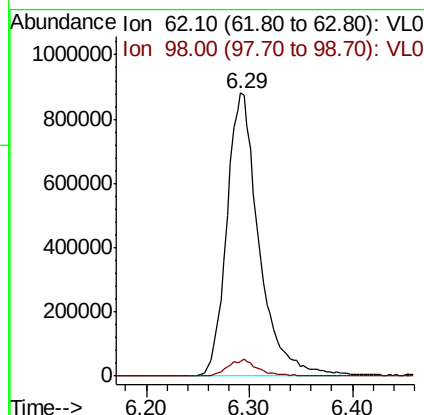
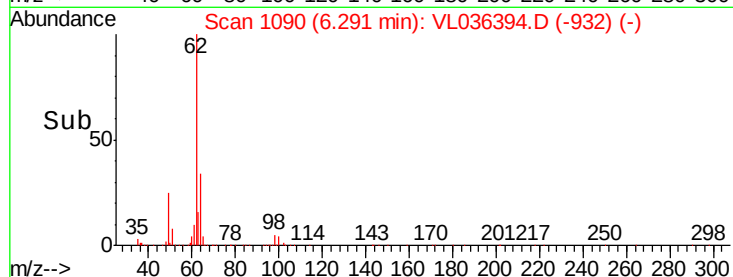
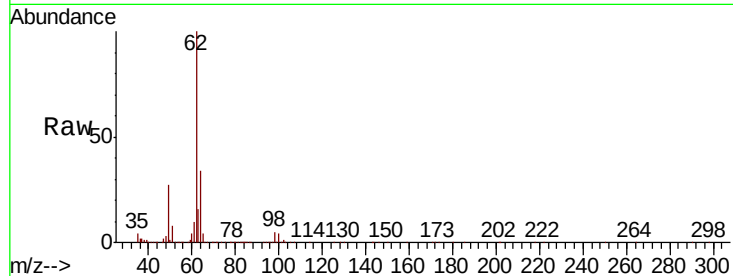




#37
 1,2-Dichloroethane
 Concen: 10.520 ppbv
 RT: 6.29 min Scan# 1090
 Delta R.T. 0.01 min
 Lab File: VL036394.D
 Acq: 25 Feb 2021 23:14

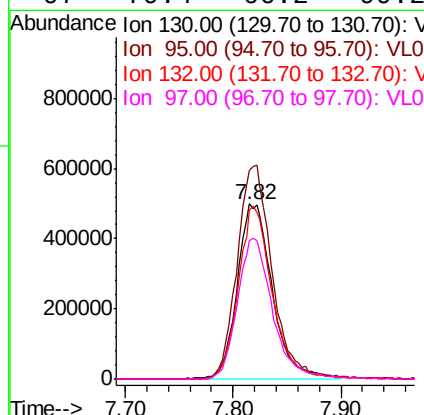
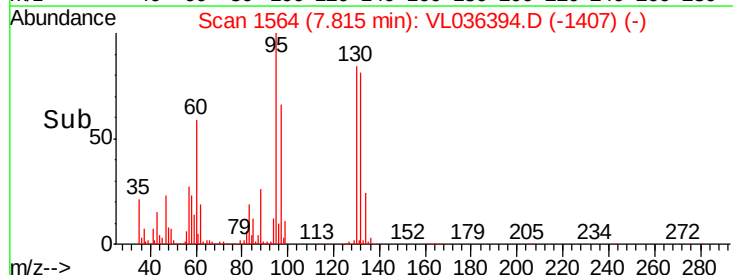
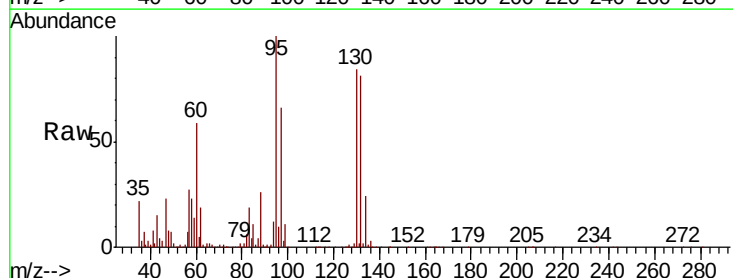
Instrument :
 MSVOA_L
 ClientSampleId :

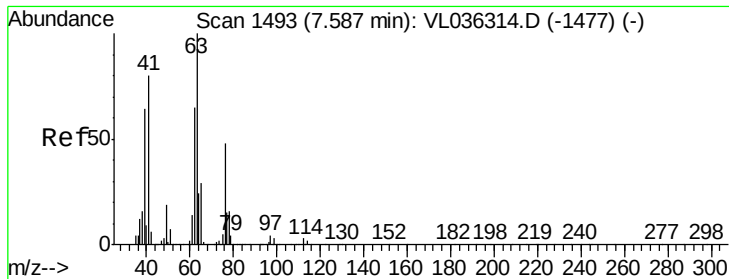
Tot Ion: 62 Resp: 1916702
 Ion Ratio Lower Upper
 62 100
 98 5.7 4.5 6.7



#38
 Trichloroethene
 Concen: 10.573 ppbv
 RT: 7.82 min Scan# 1564
 Delta R.T. 0.00 min
 Lab File: VL036394.D
 Acq: 25 Feb 2021 23:14

Tgt Ion: 130 Resp: 1116092
 Ion Ratio Lower Upper
 130 100
 95 120.0 102.8 154.2
 132 97.0 75.7 113.5
 97 79.4 66.2 99.2



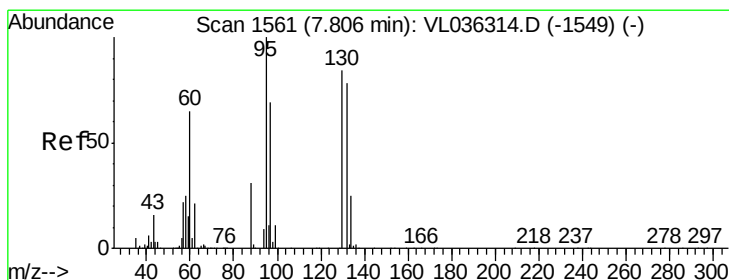
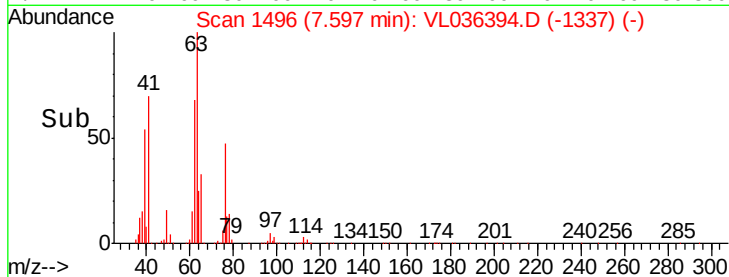
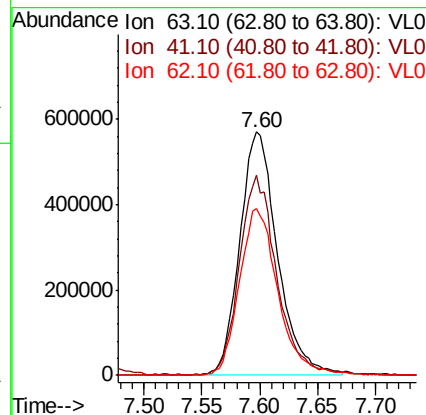
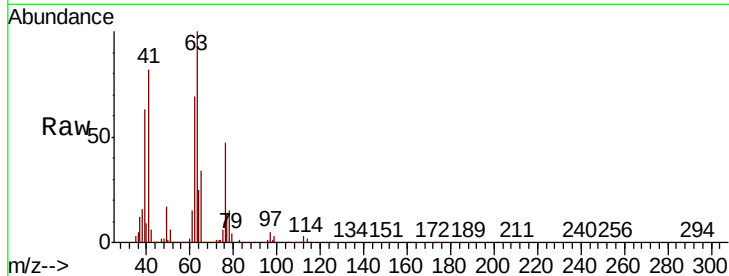


#39
 1,2-Dichloropropane
 Concen: 10.773 ppbv
 RT: 7.60 min Scan# 1496
 Delta R.T. 0.01 min
 Lab File: VL036394.D
 Acq: 25 Feb 2021 23:14

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 63 Resp: 1289522

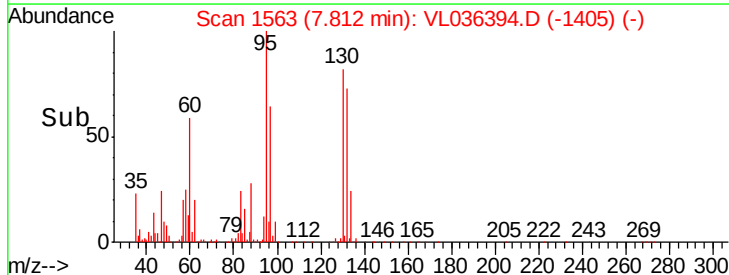
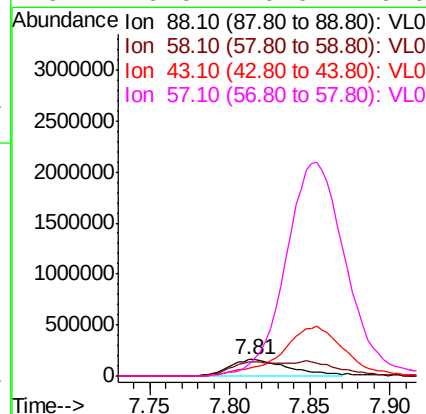
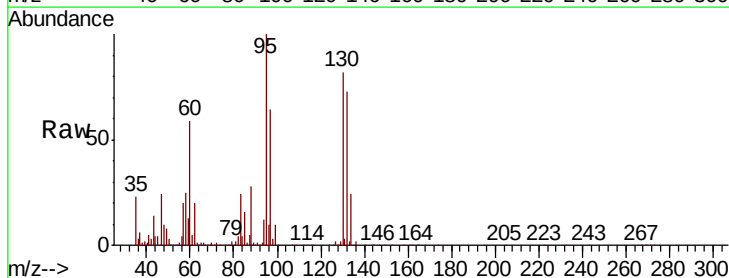
Ion	Ratio	Lower	Upper
63	100		
41	82.0	63.8	95.6
62	68.5	52.3	78.5

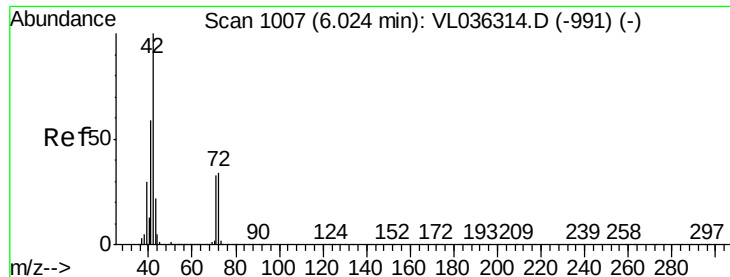


#40
 1,4-Dioxane
 Concen: 9.694 ppbv
 RT: 7.81 min Scan# 1563
 Delta R.T. 0.01 min
 Lab File: VL036394.D
 Acq: 25 Feb 2021 23:14

Tgt Ion: 88 Resp: 402069

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





#41

Tetrahydrofuran

Concen: 10.988 ppbv

RT: 6.03 min Scan# 1009

Delta R.T. 0.01 min

Lab File: VL036394.D

Acq: 25 Feb 2021 23:14

Instrument :

MSVOA_L

ClientSampleId :

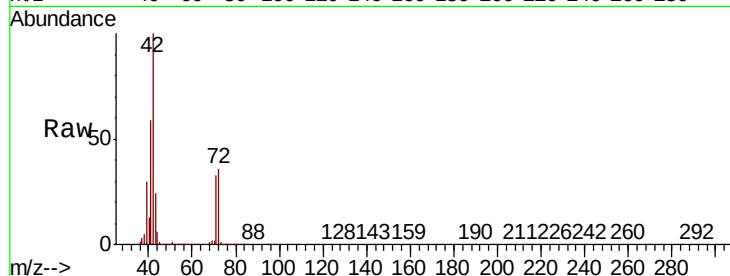
Tot Ion: 42 Resp: 1413285

Ion Ratio Lower Upper

42 100

72 35.3 29.3 43.9

71 34.6 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

800000

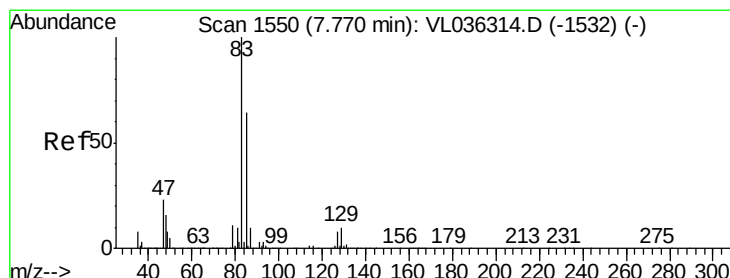
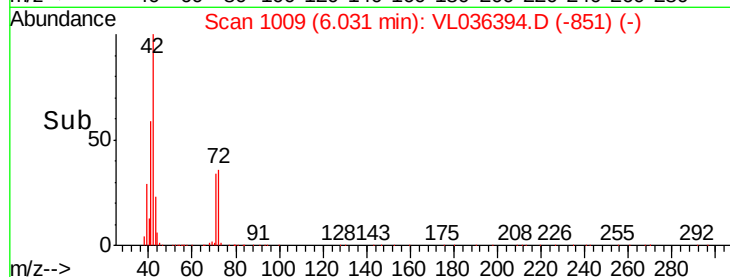
600000

400000

200000

0

Time--> 5.95 6.00 6.05 6.10 6.15



#42

Bromodichloromethane

Concen: 11.064 ppbv

RT: 7.78 min Scan# 1552

Delta R.T. 0.01 min

Lab File: VL036394.D

Acq: 25 Feb 2021 23:14

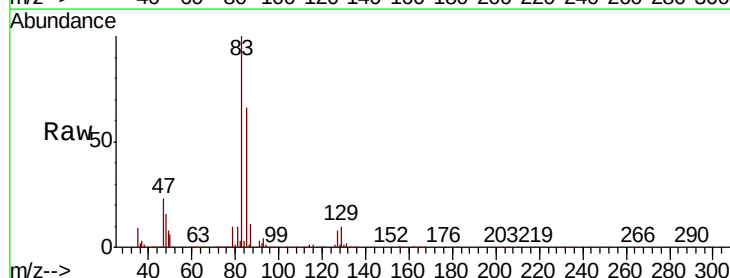
Tgt Ion: 83 Resp: 2699768

Ion Ratio Lower Upper

83 100

85 65.4 51.1 76.7

127 8.3 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

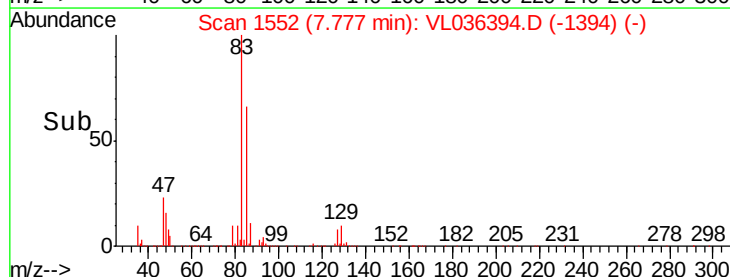
1500000

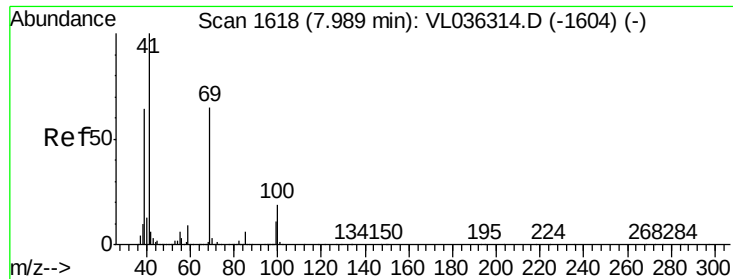
1000000

500000

0

Time--> 7.70 7.80 7.90





#43

Methyl Methacrylate

Concen: 11.216 ppbv

RT: 8.00 min Scan# 1621

Delta R.T. 0.01 min

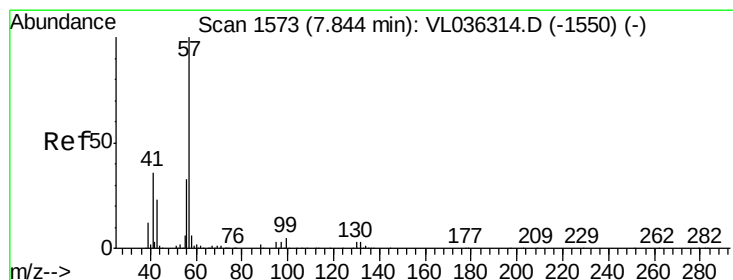
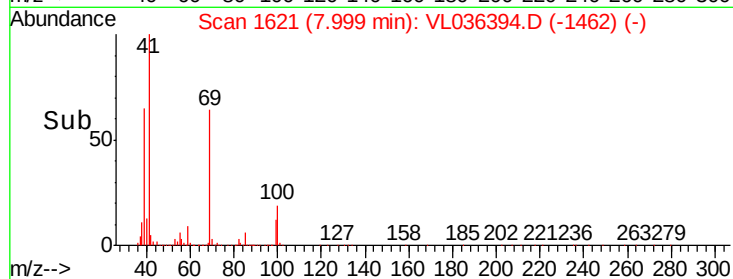
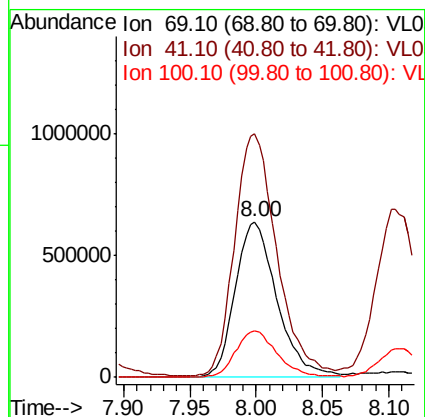
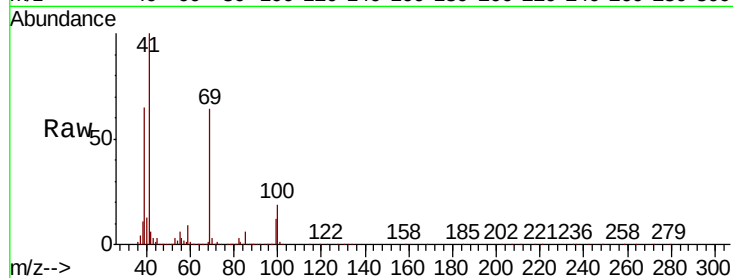
Lab File: VL036394.D

Acq: 25 Feb 2021 23:14

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 69 Resp: 1393853

Ion	Ratio	Lower	Upper
69	100		
41	160.2	126.5	189.7
100	29.8	23.1	34.7



#44

2,2,4-Trimethylpentane

Concen: 10.276 ppbv

RT: 7.85 min Scan# 1576

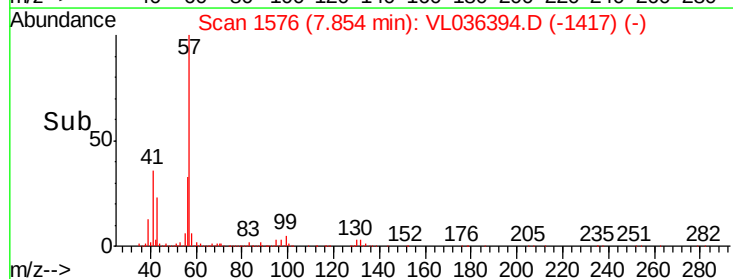
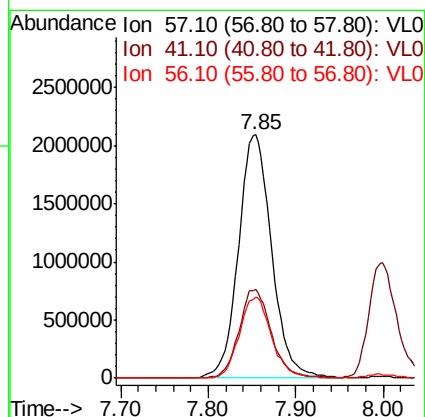
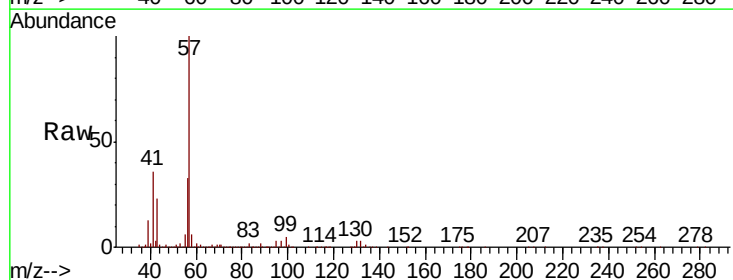
Delta R.T. 0.01 min

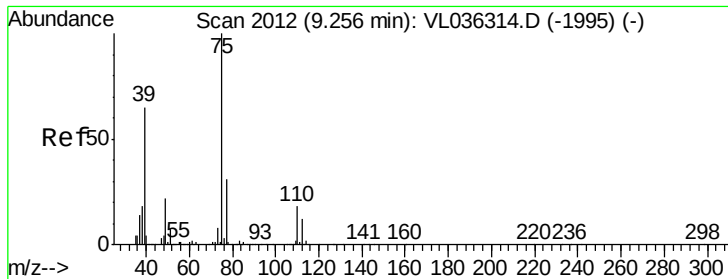
Lab File: VL036394.D

Acq: 25 Feb 2021 23:14

Tgt Ion: 57 Resp: 5506171

Ion	Ratio	Lower	Upper
57	100		
41	35.3	28.8	43.2
56	32.5	25.8	38.6





#45

t-1,3-Dichloropropene

Concen: 12.385 ppbv

RT: 9.26 min Scan# 2014

Delta R.T. 0.01 min

Lab File: VL036394.D

Acq: 25 Feb 2021 23:14

Instrument :

MSVOA_L

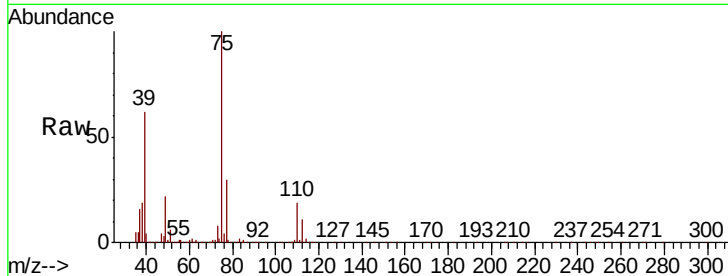
ClientSampleId :

Tot Ion: 75 Resp: 1484705

Ion Ratio Lower Upper

75 100

77 30.3 24.6 37.0



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

800000

600000

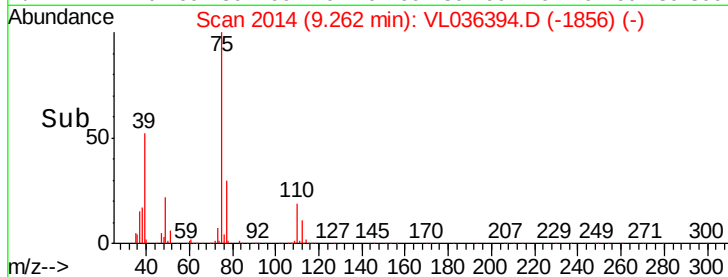
400000

200000

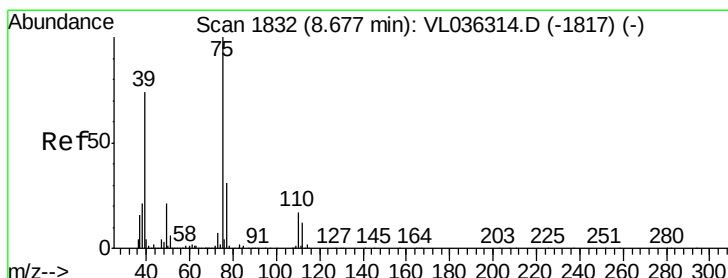
0

9.26

9.20 9.30



Time-->



#46

cis-1,3-Dichloropropene

Concen: 11.859 ppbv

RT: 8.69 min Scan# 1835

Delta R.T. 0.01 min

Lab File: VL036394.D

Acq: 25 Feb 2021 23:14

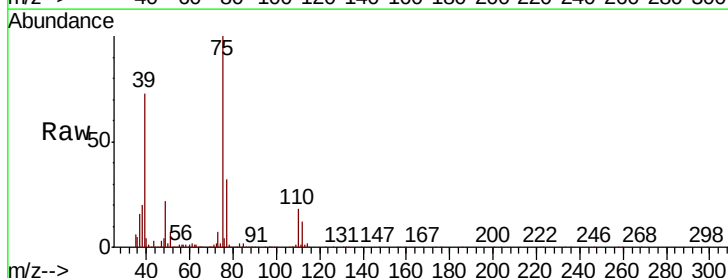
Tgt Ion: 75 Resp: 1805982

Ion Ratio Lower Upper

75 100

39 73.3 59.2 88.8

77 31.8 25.0 37.6



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

1000000

800000

600000

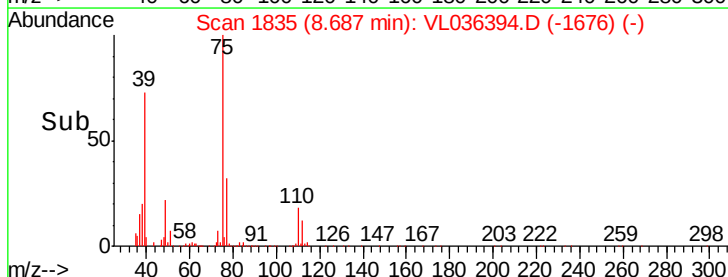
400000

200000

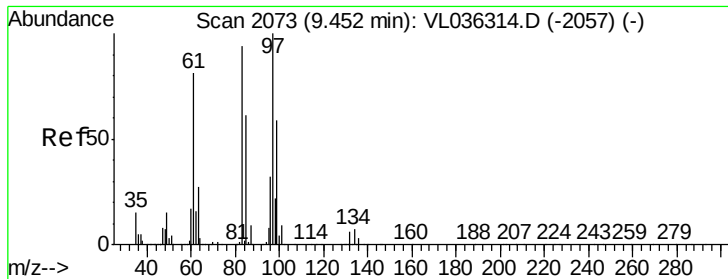
0

8.69

8.60 8.65 8.70 8.75 8.80



Time-->

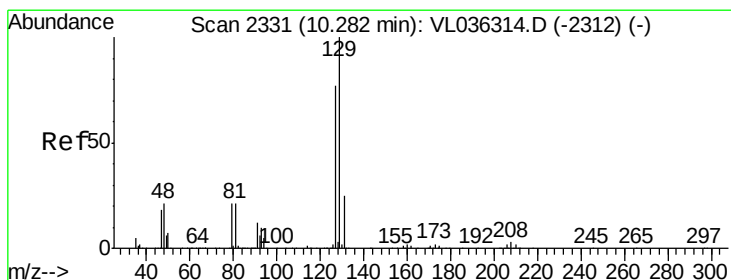
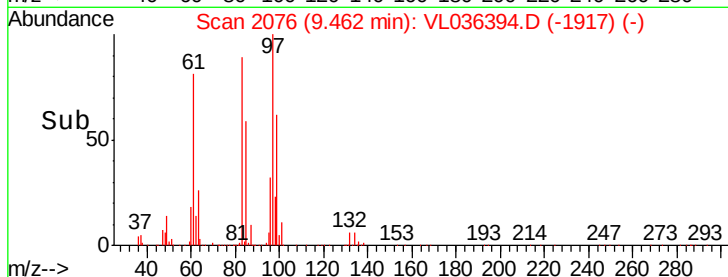
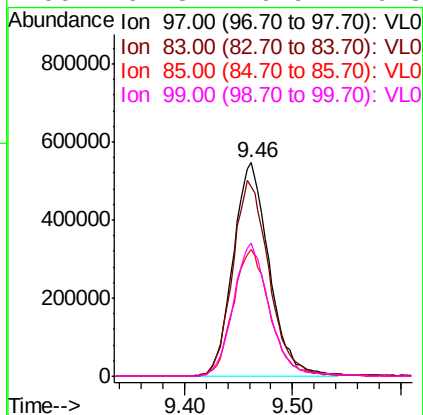
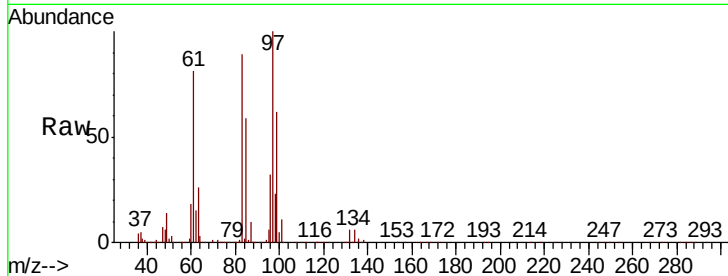


#47
 1,1,2-Trichloroethane
 Concen: 10.395 ppbv
 RT: 9.46 min Scan# 2076
 Delta R.T. 0.01 min
 Lab File: VL036394.D
 Acq: 25 Feb 2021 23:14

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 97 Resp: 1273420

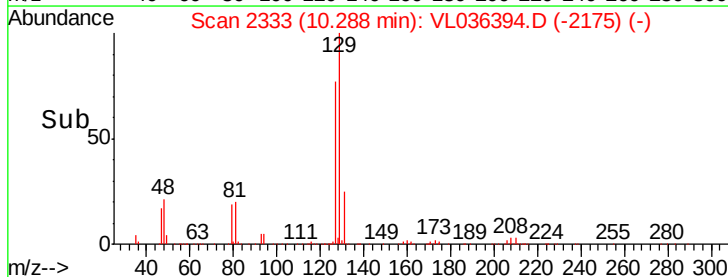
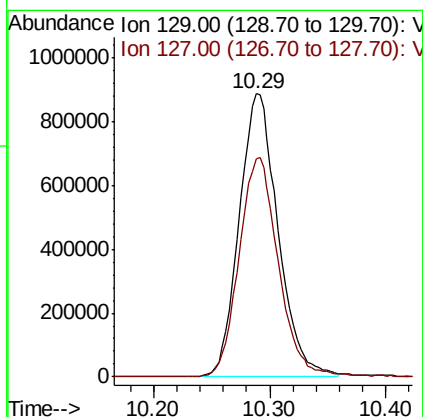
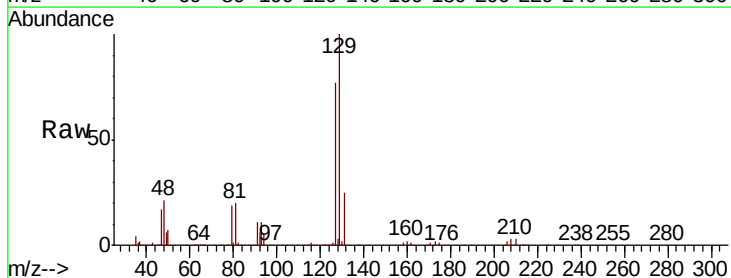
Ion	Ratio	Lower	Upper
97	100		
83	88.7	75.4	113.0
85	59.2	48.9	73.3
99	62.3	46.9	70.3

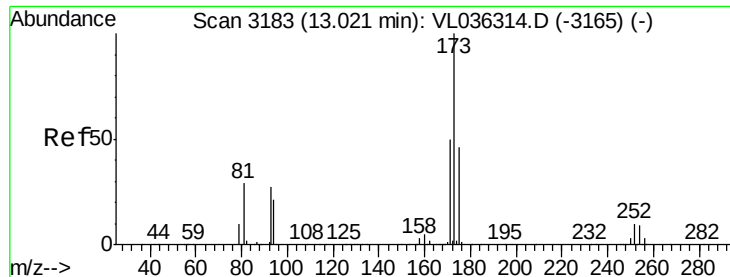


#48
 Dibromochloromethane
 Concen: 11.283 ppbv
 RT: 10.29 min Scan# 2333
 Delta R.T. 0.01 min
 Lab File: VL036394.D
 Acq: 25 Feb 2021 23:14

Tgt Ion: 129 Resp: 2062473

Ion	Ratio	Lower	Upper
129	100		
127	79.1	39.1	117.2





#49

Bromoform

Concen: 11.220 ppbv

RT: 13.03 min Scan# 3185

Delta R.T. 0.01 min

Lab File: VL036394.D

Acq: 25 Feb 2021 23:14

Instrument :

MSVOA_L

ClientSampleId :

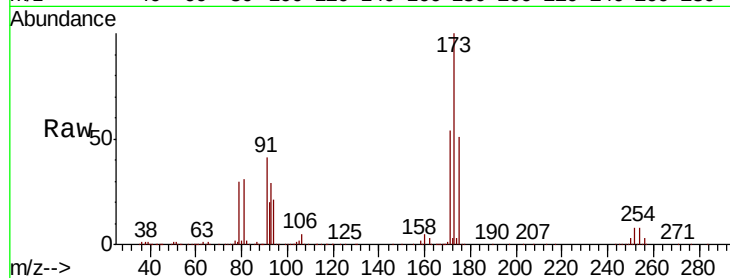
Tot Ion:173 Resp: 1658045

Ion Ratio Lower Upper

173 100

175 51.0 40.2 60.2

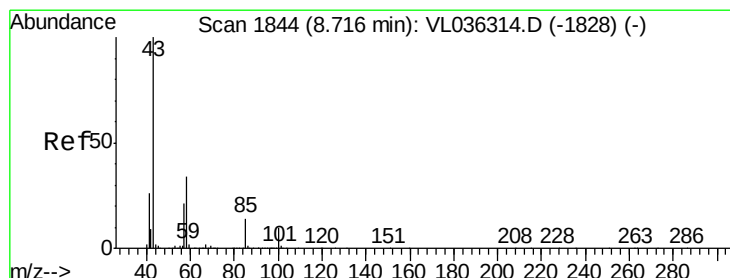
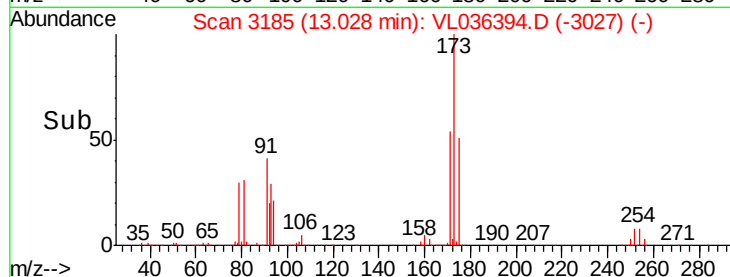
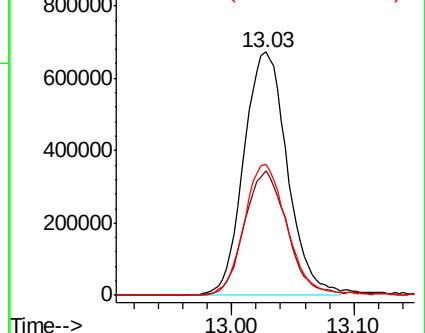
171 54.0 43.4 65.2



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: 10.991 ppbv

RT: 8.72 min Scan# 1846

Delta R.T. 0.01 min

Lab File: VL036394.D

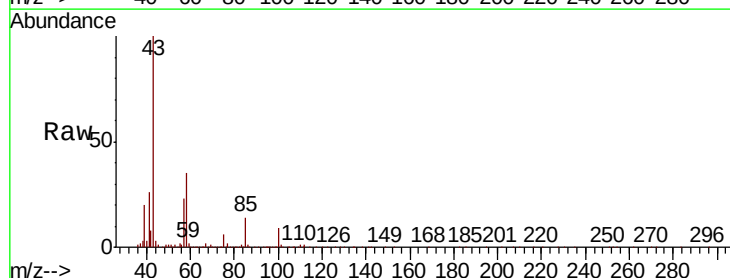
Acq: 25 Feb 2021 23:14

Tgt Ion: 43 Resp: 3760637

Ion Ratio Lower Upper

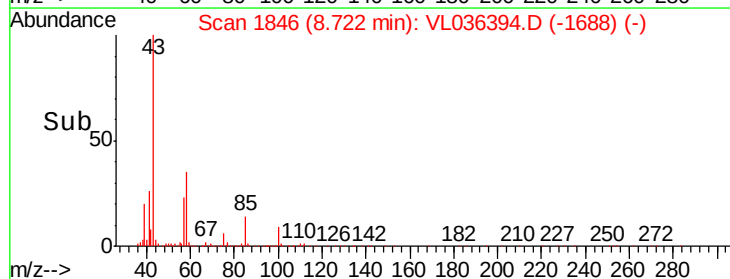
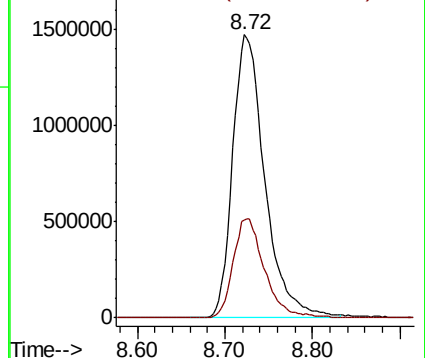
43 100

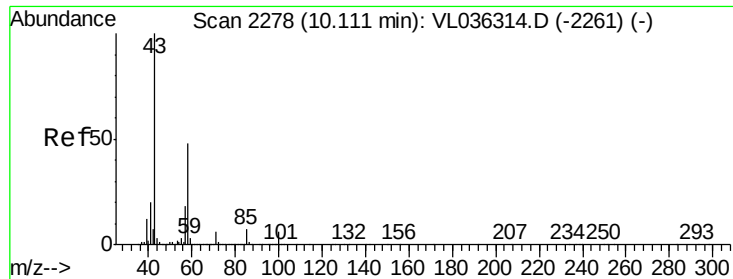
58 34.5 27.8 41.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

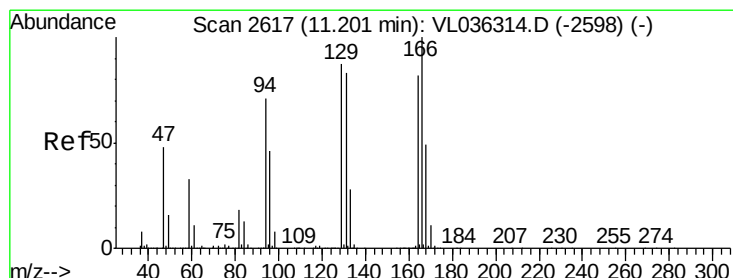
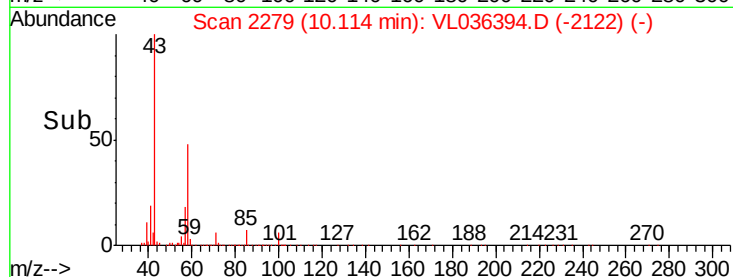
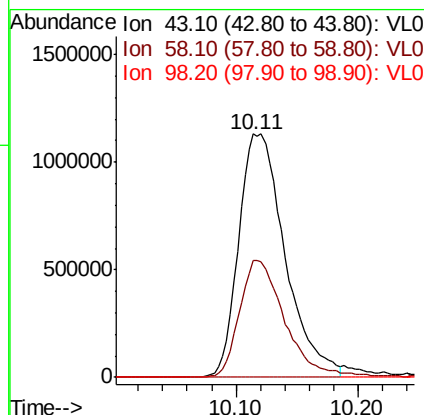
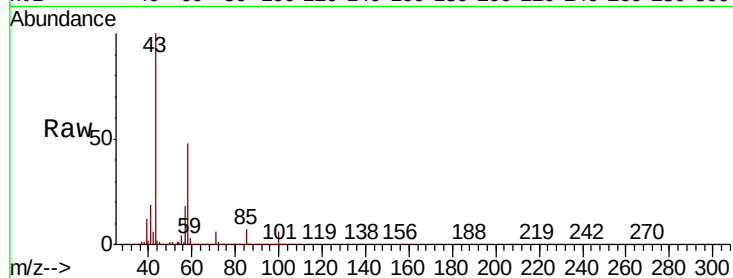




#51
2-Hexanone
Concen: 11.435 ppbv
RT: 10.11 min Scan# 2279
Delta R.T. 0.00 min
Lab File: VL036394.D
Acq: 25 Feb 2021 23:14

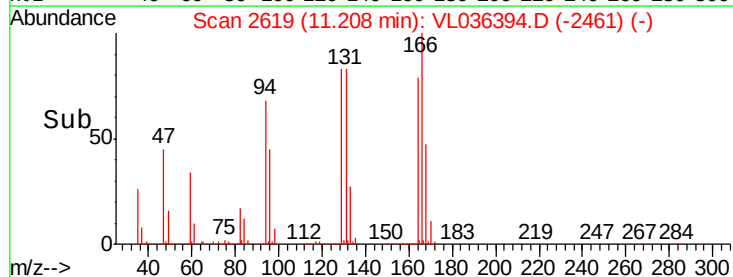
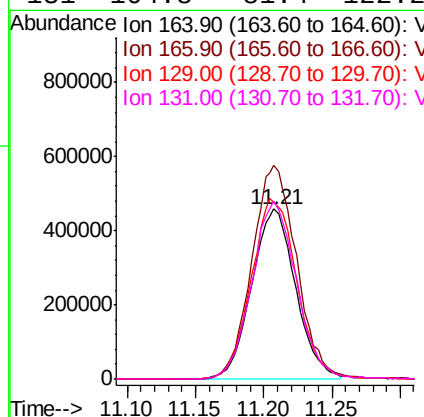
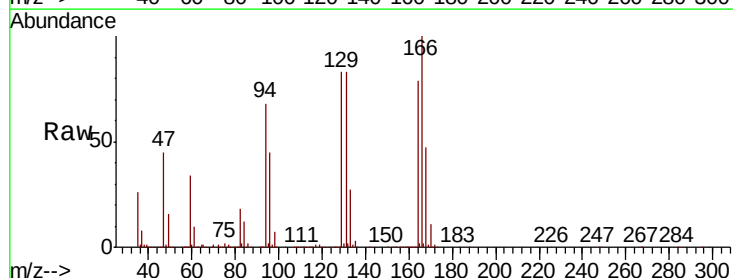
Instrument :
MSVOA_L
ClientSampleId :

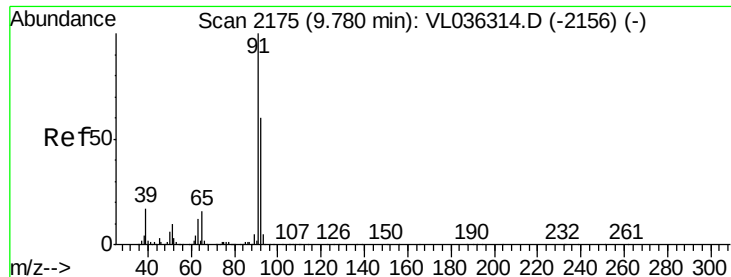
Tot Ion: 43 Resp: 2972832
Ion Ratio Lower Upper
43 100
58 48.0 38.7 58.1
98 0.4 0.4 0.6#



#52
Tetrachloroethene
Concen: 9.490 ppbv
RT: 11.21 min Scan# 2619
Delta R.T. 0.01 min
Lab File: VL036394.D
Acq: 25 Feb 2021 23:14

Tgt Ion: 164 Resp: 1023794
Ion Ratio Lower Upper
164 100
166 125.7 97.8 146.8
129 104.3 84.9 127.3
131 104.8 81.4 122.2





#53

Toluene

Concen: 11.098 ppbv

RT: 9.79 min Scan# 2178

Delta R.T. 0.01 min

Lab File: VL036394.D

Acq: 25 Feb 2021 23:14

Instrument :

MSVOA_L

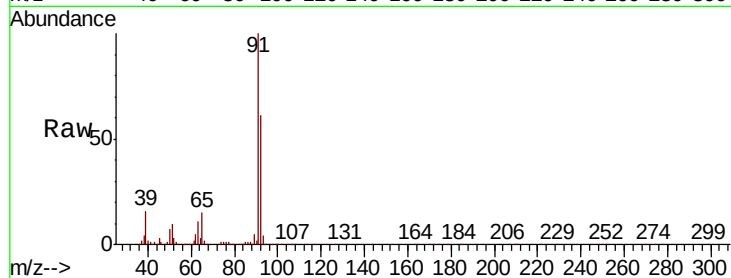
ClientSampleId :

Tot Ion: 91 Resp: 3542394

Ion Ratio Lower Upper

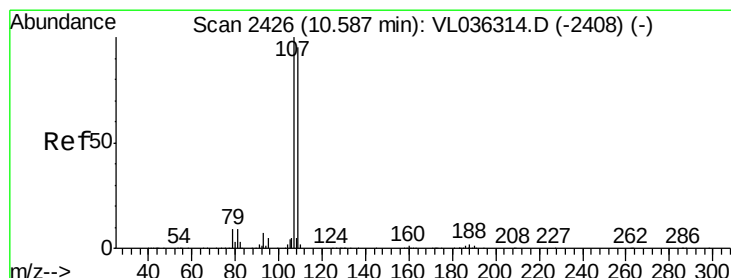
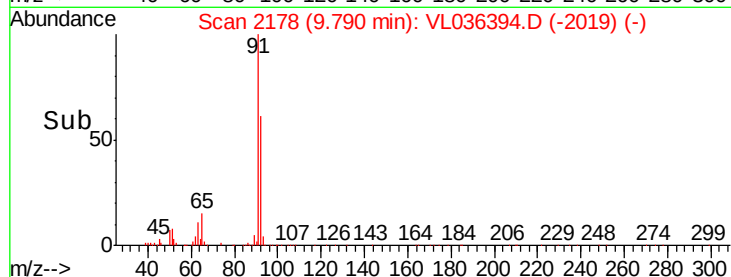
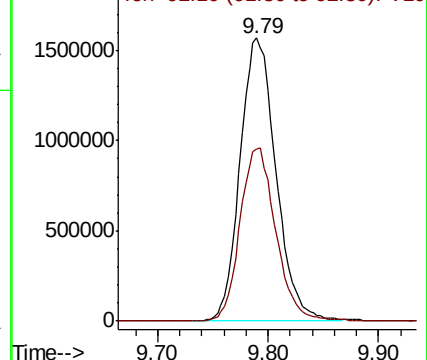
91 100

92 60.8 48.6 72.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 10.394 ppbv

RT: 10.59 min Scan# 2428

Delta R.T. 0.01 min

Lab File: VL036394.D

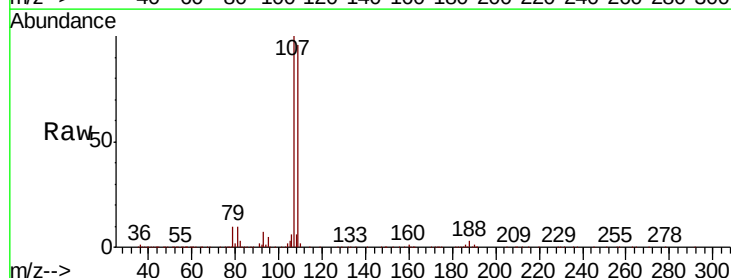
Acq: 25 Feb 2021 23:14

Tgt Ion: 107 Resp: 1840146

Ion Ratio Lower Upper

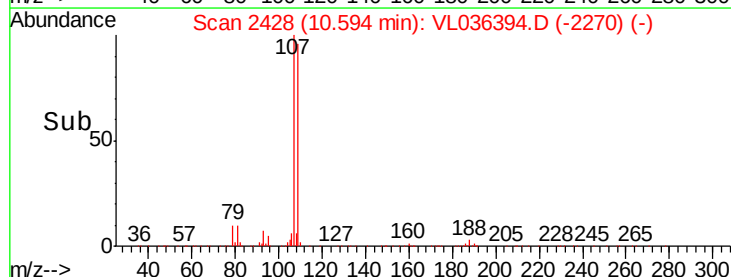
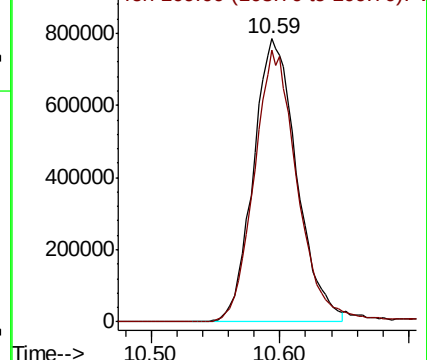
107 100

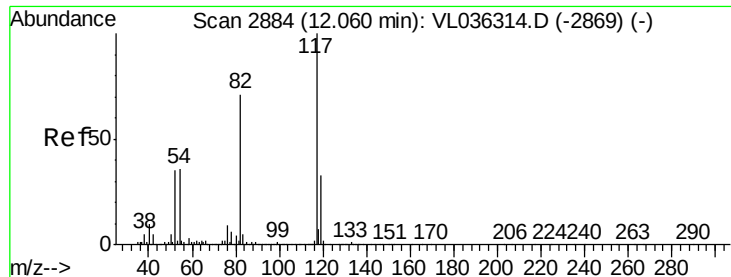
109 96.1 76.0 114.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2887

Delta R.T. 0.01 min

Lab File: VL036394.D

Acq: 25 Feb 2021 23:14

Instrument :

MSVOA_L

ClientSampleId :

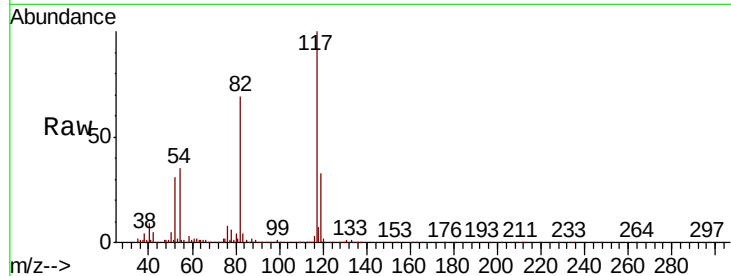
Tot Ion:117 Resp: 3196117

Ion Ratio Lower Upper

117 100

82 73.2 59.1 88.7

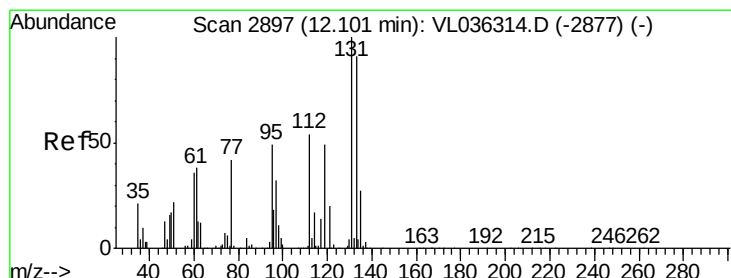
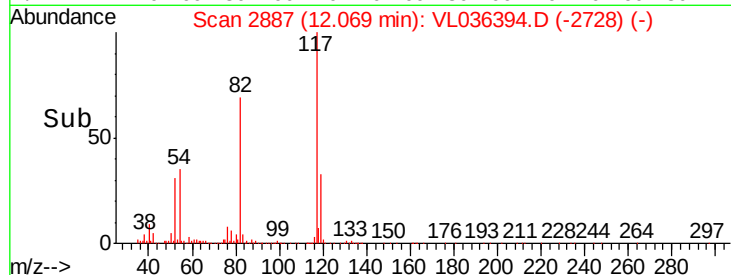
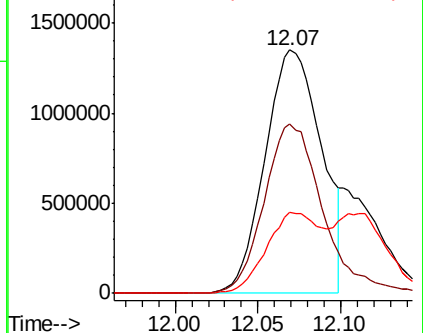
119 34.6 46.3 69.5#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 10.526 ppbv

RT: 12.11 min Scan# 2899

Delta R.T. 0.01 min

Lab File: VL036394.D

Acq: 25 Feb 2021 23:14

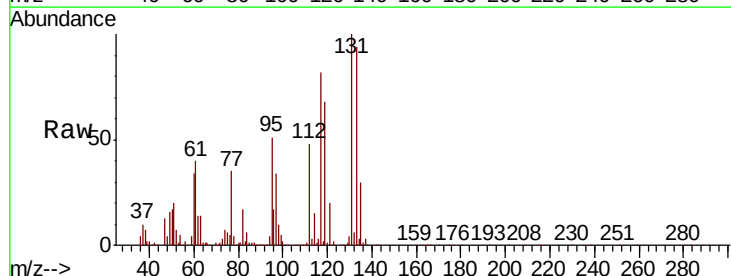
Tgt Ion:131 Resp: 1547411

Ion Ratio Lower Upper

131 100

133 96.0 76.0 114.0

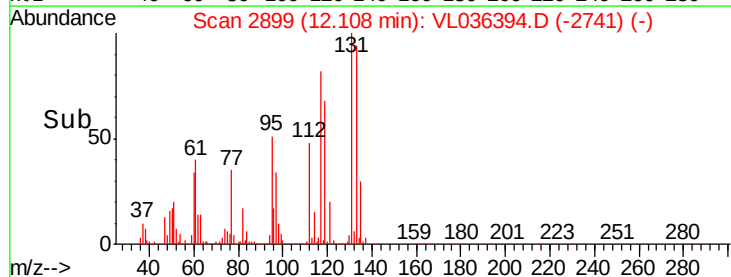
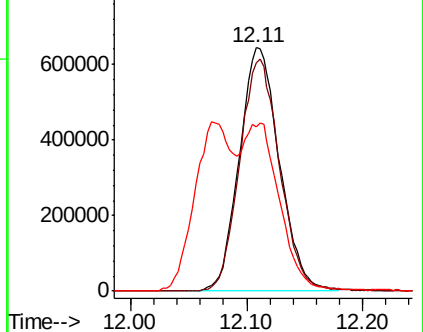
119 64.1 115.1 172.7#

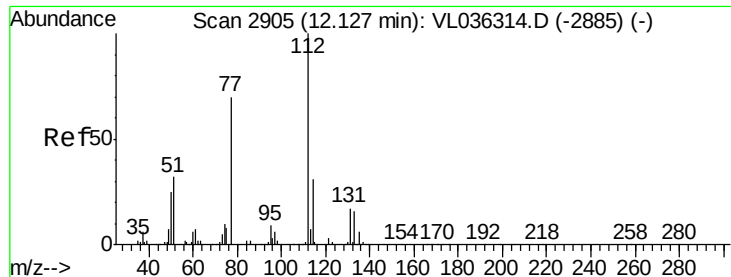


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 10.173 ppbv

RT: 12.13 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VL036394.D

Acq: 25 Feb 2021 23:14

Instrument :

MSVOA_L

ClientSampled :

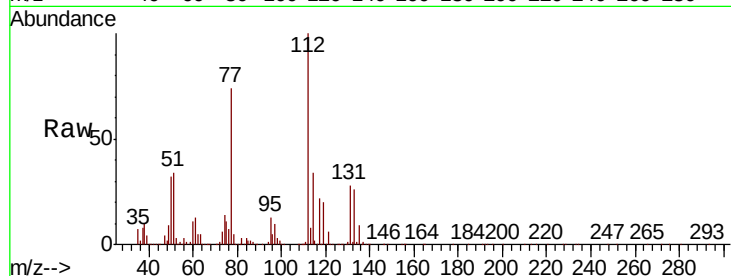
Tot Ion:112 Resp: 2512116

Ion Ratio Lower Upper

112 100

77 72.6 56.1 84.1

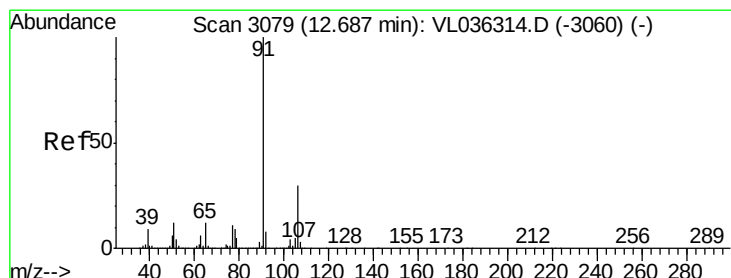
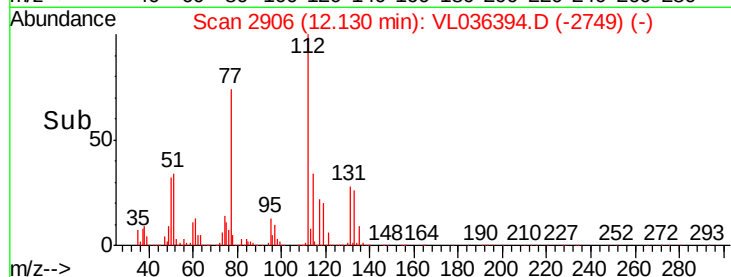
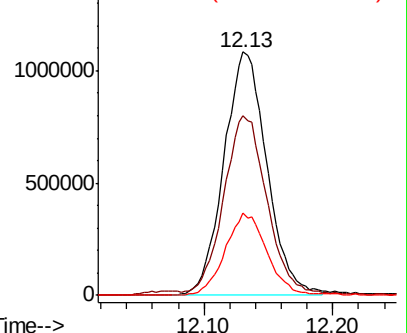
114 33.6 28.3 34.5



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: 10.843 ppbv

RT: 12.70 min Scan# 3082

Delta R.T. 0.01 min

Lab File: VL036394.D

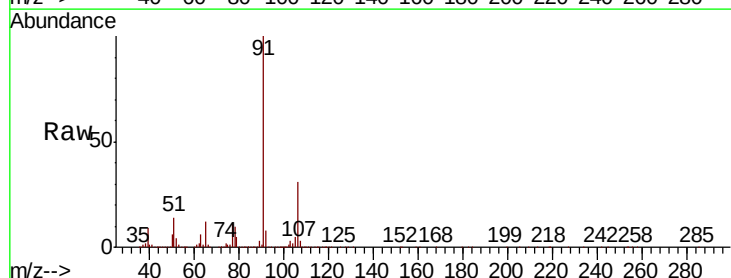
Acq: 25 Feb 2021 23:14

Tgt Ion: 91 Resp: 4745377

Ion Ratio Lower Upper

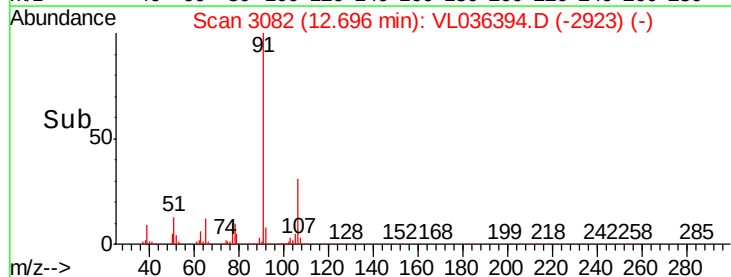
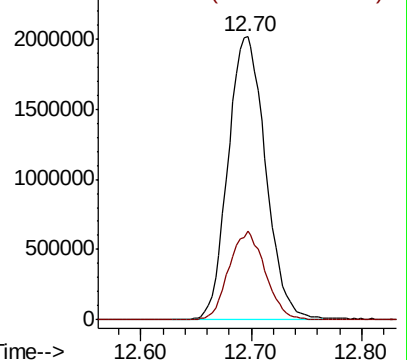
91 100

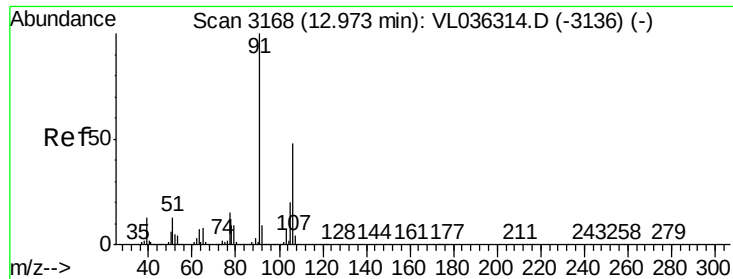
106 31.4 23.8 35.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

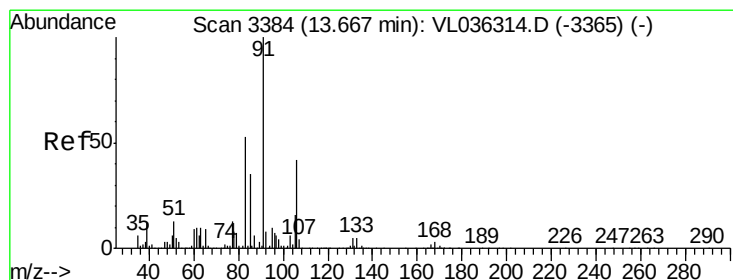
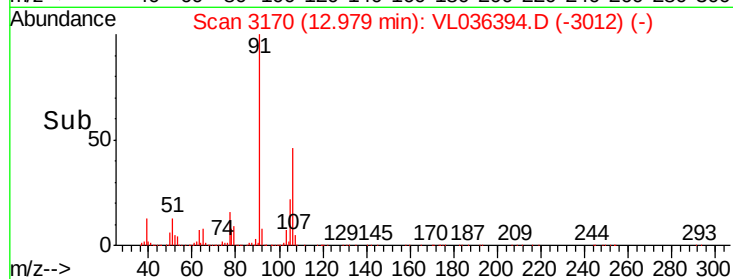
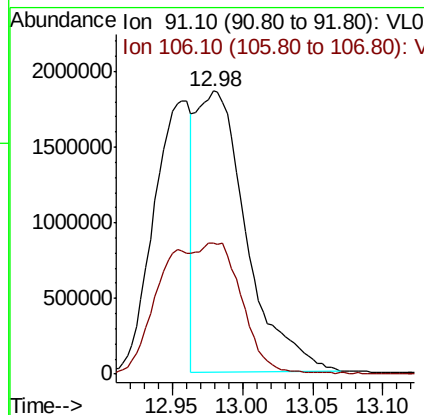
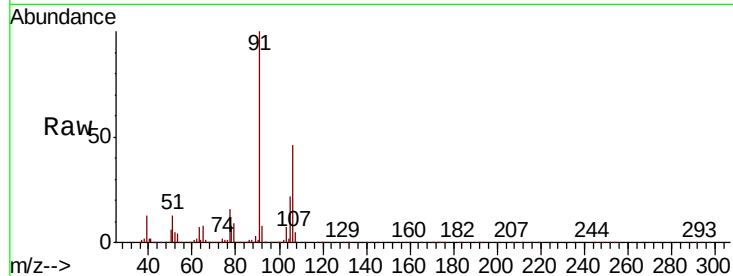




#59
m/p-Xylene
Concen: 11.960 ppbv
RT: 12.98 min Scan# 3170
Delta R.T. 0.01 min
Lab File: VL036394.D
Acq: 25 Feb 2021 23:14

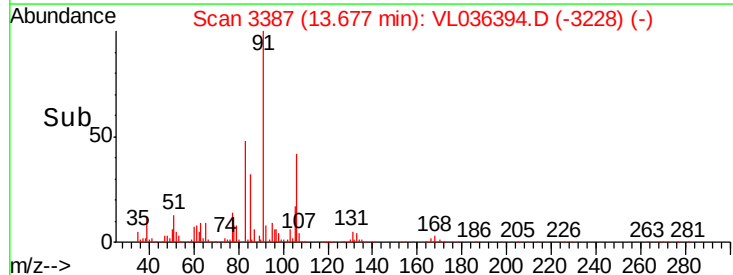
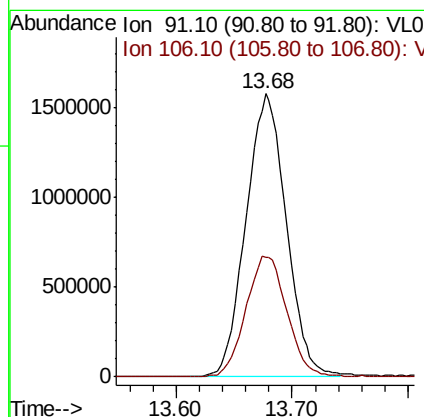
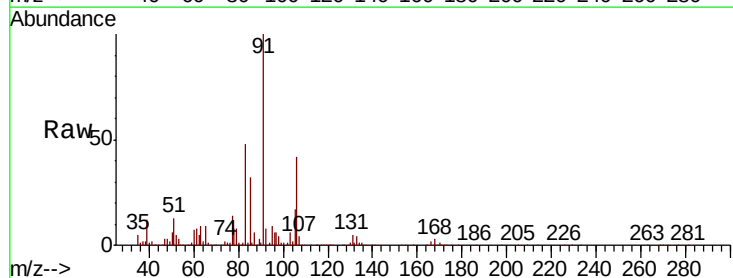
Instrument :
MSVOA_L
ClientSampled :

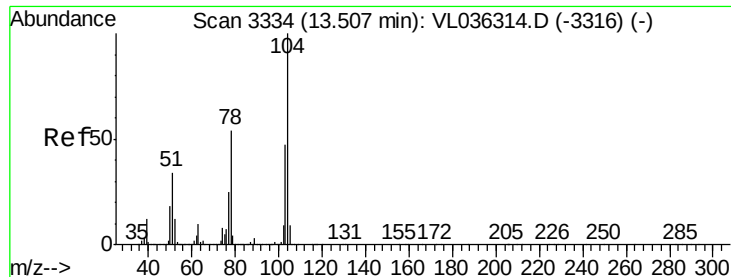
Tot Ion: 91 Resp: 4597577
Ion Ratio Lower Upper
91 100
106 76.0 34.2 51.2#



#60
o-Xylene
Concen: 10.336 ppbv
RT: 13.68 min Scan# 3387
Delta R.T. 0.01 min
Lab File: VL036394.D
Acq: 25 Feb 2021 23:14

Tgt Ion: 91 Resp: 3799161
Ion Ratio Lower Upper
91 100
106 43.8 22.0 66.0





#61

Stvrene

Concen: 11.614 ppbv

RT: 13.51 min Scan# 3336

Delta R.T. 0.01 min

Lab File: VL036394.D

Acq: 25 Feb 2021 23:14

Instrument :

MSVOA_L

ClientSampleId :

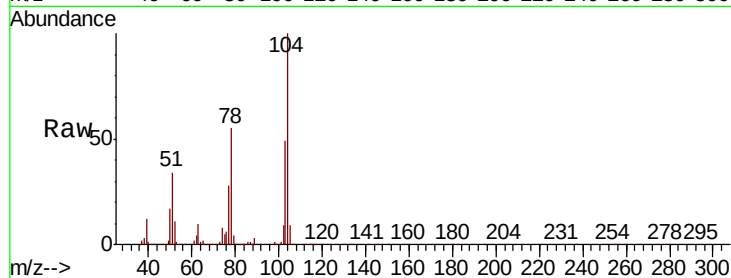
Tot Ion:104 Resp: 2645538

Ion Ratio Lower Upper

104 100

78 57.0 46.2 69.2

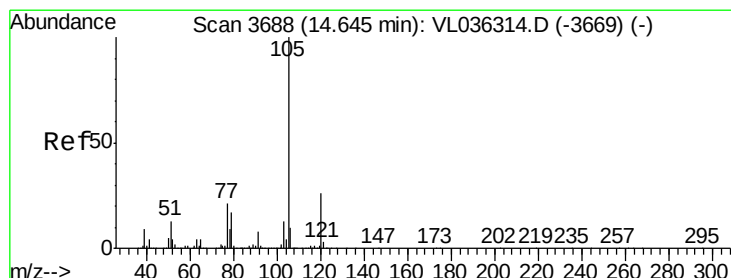
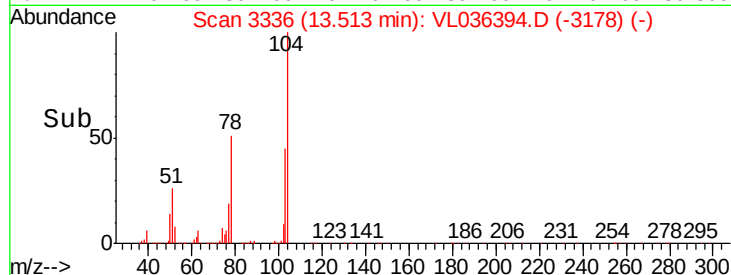
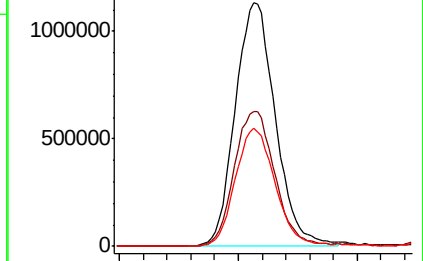
103 48.6 38.3 57.5



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 10.129 ppbv

RT: 14.65 min Scan# 3690

Delta R.T. 0.01 min

Lab File: VL036394.D

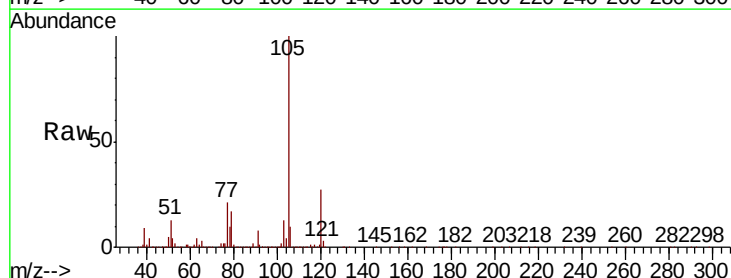
Acq: 25 Feb 2021 23:14

Tgt Ion:105 Resp: 5580608

Ion Ratio Lower Upper

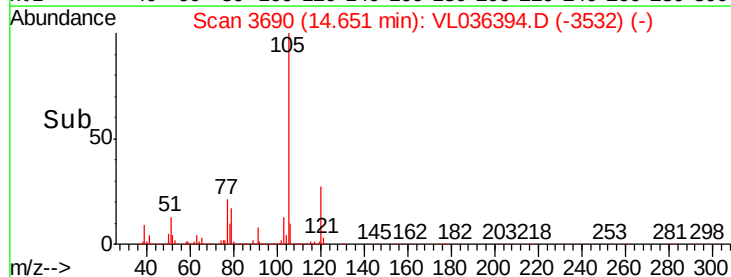
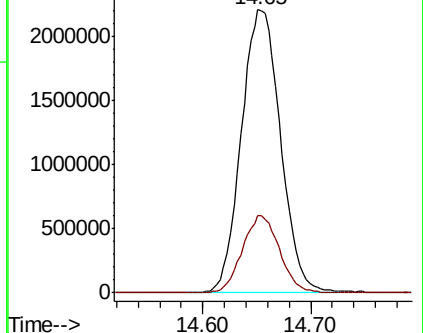
105 100

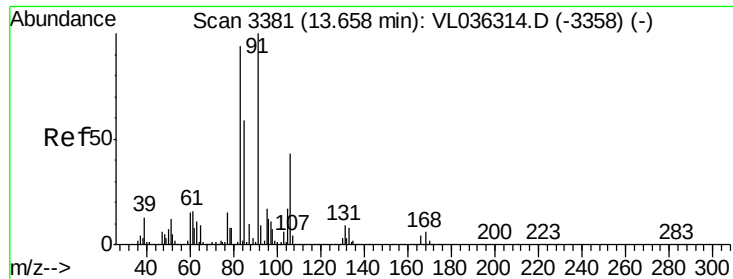
120 26.0 20.6 30.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

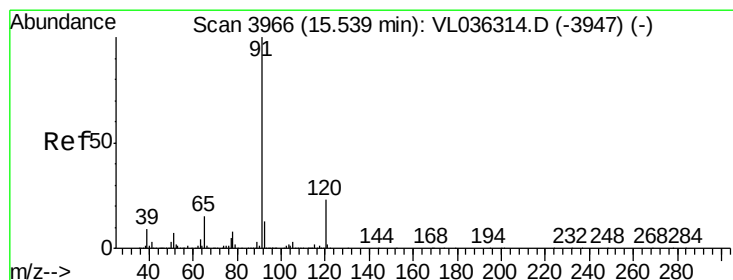
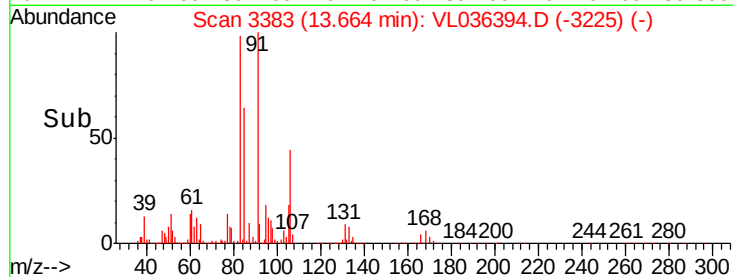
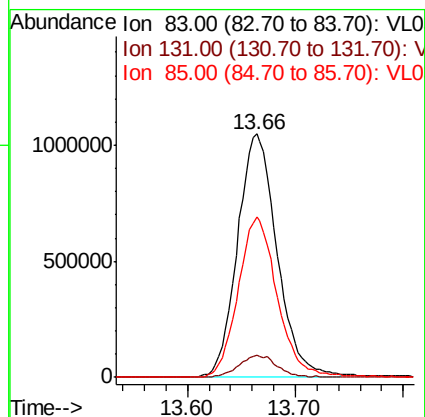
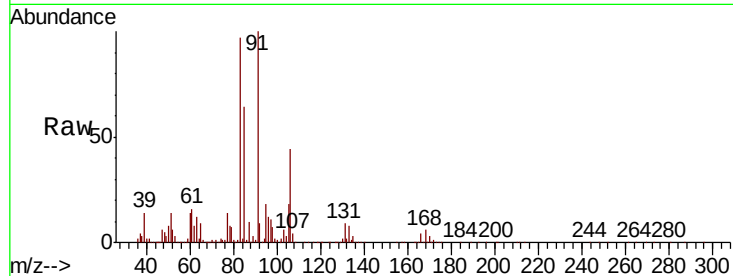




#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.193 ppbv
 RT: 13.66 min Scan# 3383
 Delta R.T. 0.01 min
 Lab File: VL036394.D
 Acq: 25 Feb 2021 23:14

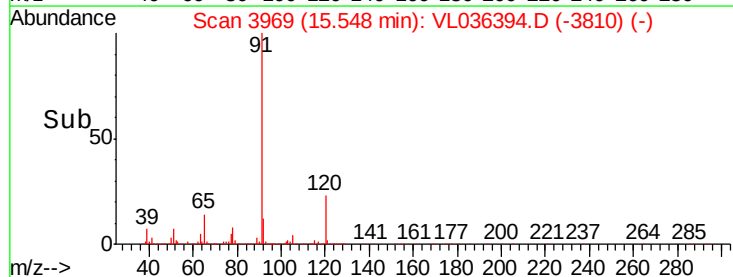
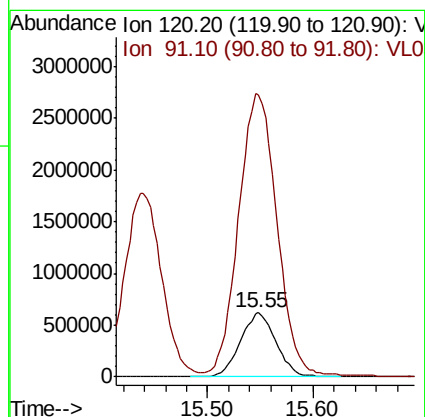
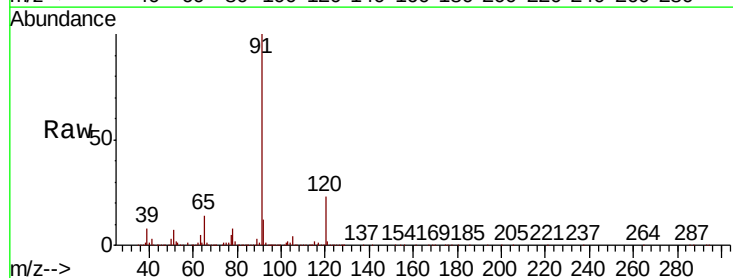
Instrument :
 MSVOA_L
 ClientSampleId :

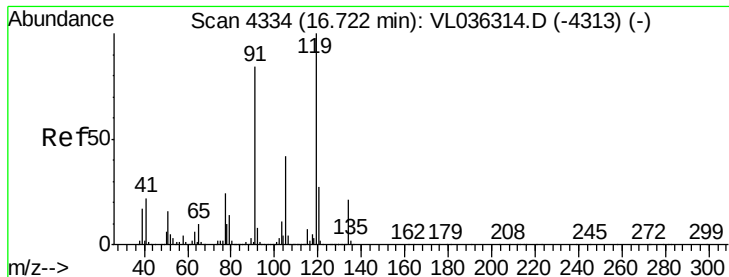
Tot Ion: 83 Resp: 2665953
 Ion Ratio Lower Upper
 83 100
 131 9.1 4.7 14.0
 85 65.9 33.0 98.9



#64
 n-propylbenzene
 Concen: 10.769 ppbv
 RT: 15.55 min Scan# 3969
 Delta R.T. 0.01 min
 Lab File: VL036394.D
 Acq: 25 Feb 2021 23:14

Tgt Ion:120 Resp: 1460161
 Ion Ratio Lower Upper
 120 100
 91 477.5 387.2 580.8





#65

tert-Butylbenzene

Concen: 10.029 ppbv

RT: 16.73 min Scan# 4337

Delta R.T. 0.01 min

Lab File: VL036394.D

Acq: 25 Feb 2021 23:14

Instrument :

MSVOA_L

ClientSampleId :

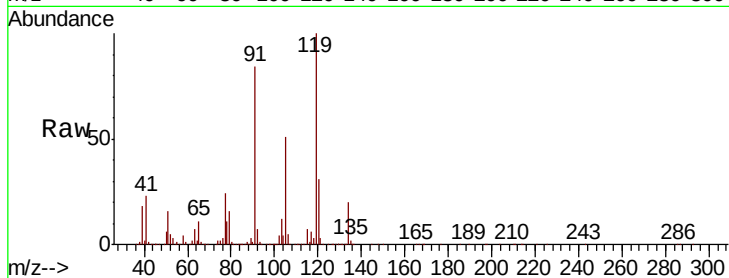
Tot Ion:119 Resp: 4727571

Ion Ratio Lower Upper

119 100

91 86.6 70.5 105.7

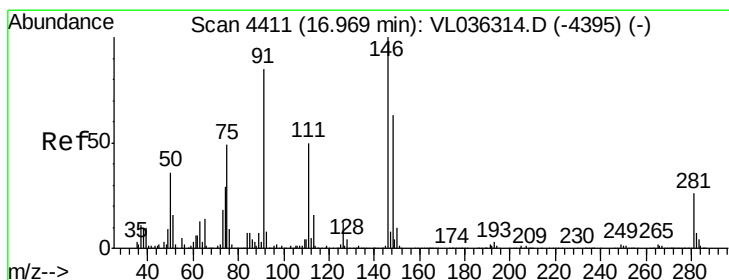
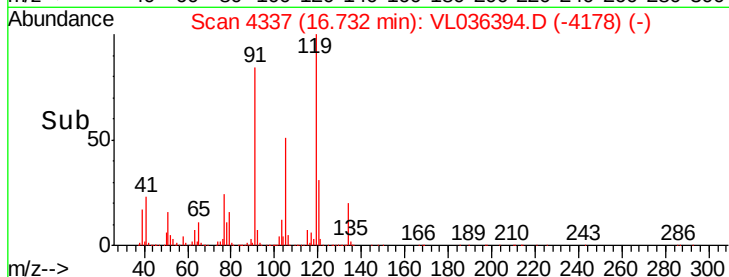
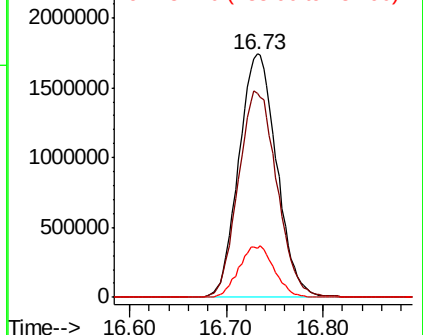
134 19.9 15.8 23.8



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: 12.188 ppbv

RT: 16.98 min Scan# 4413

Delta R.T. 0.01 min

Lab File: VL036394.D

Acq: 25 Feb 2021 23:14

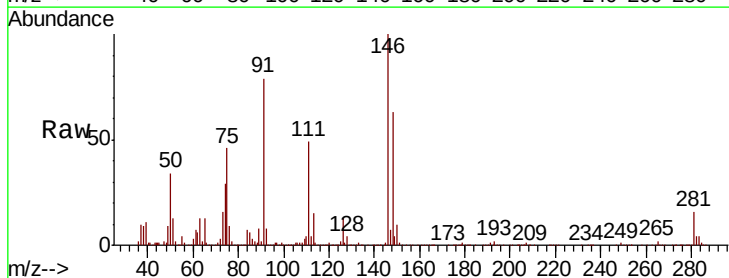
Tgt Ion: 91 Resp: 1561870

Ion Ratio Lower Upper

91 100

126 16.5 12.9 19.3

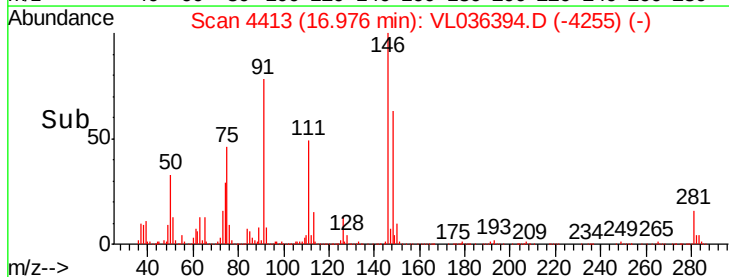
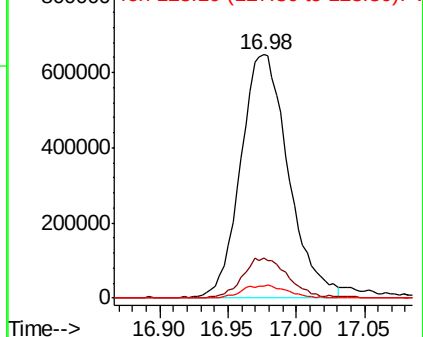
128 5.3 4.2 6.2

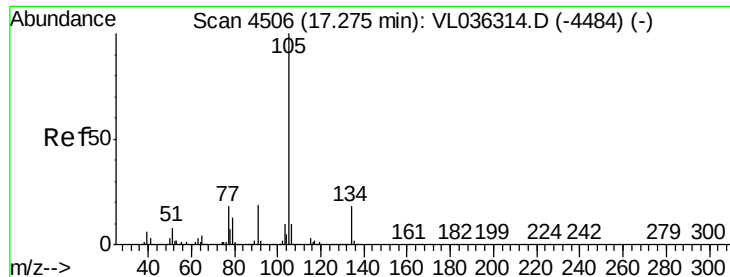


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.852 ppbv

RT: 17.28 min Scan# 4508

Delta R.T. 0.01 min

Lab File: VL036394.D

Acq: 25 Feb 2021 23:14

Instrument :

MSVOA_L

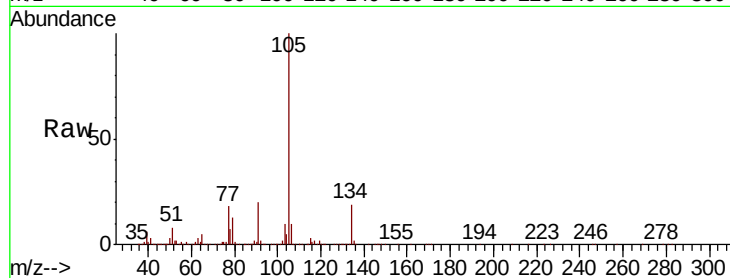
ClientSampled :

Tot Ion:105 Resp: 6697215

Ion Ratio Lower Upper

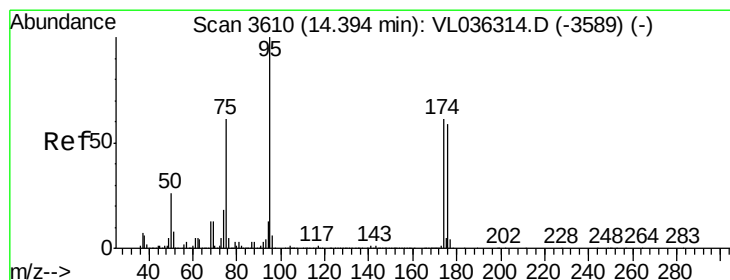
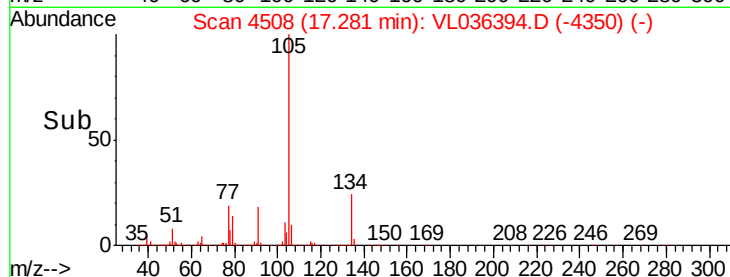
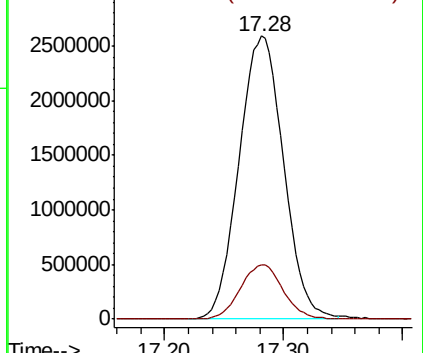
105 100

134 18.6 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: 10.655 ppbv

RT: 14.40 min Scan# 3612

Delta R.T. 0.01 min

Lab File: VL036394.D

Acq: 25 Feb 2021 23:14

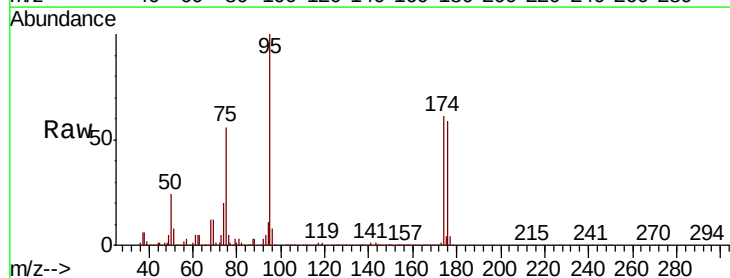
Tgt Ion: 95 Resp: 2801821

Ion Ratio Lower Upper

95 100

174 61.5 49.8 74.6

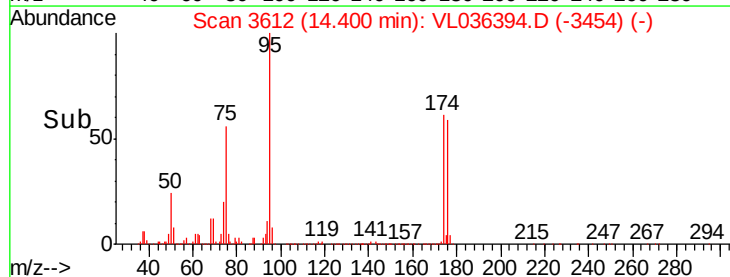
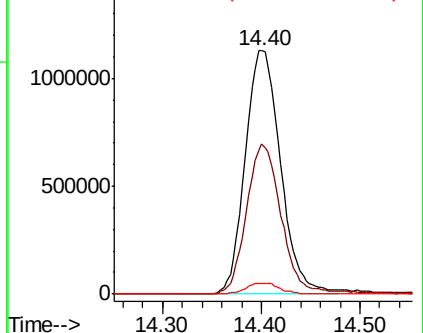
175 4.4 3.7 5.5

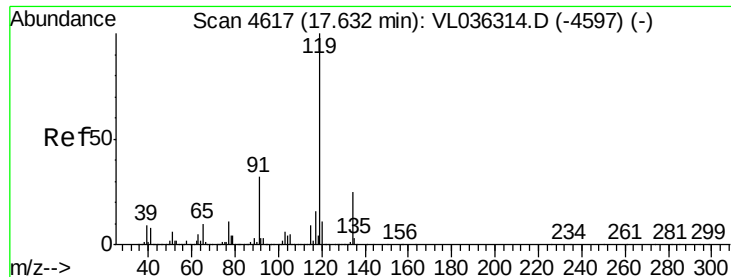


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

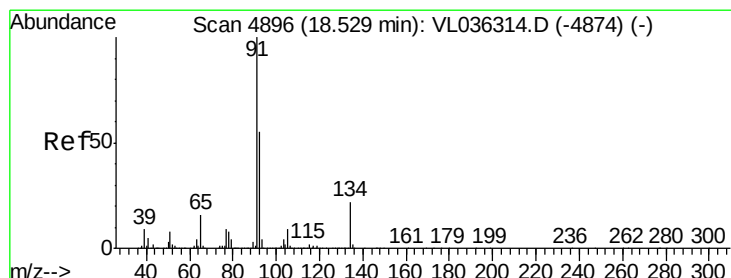
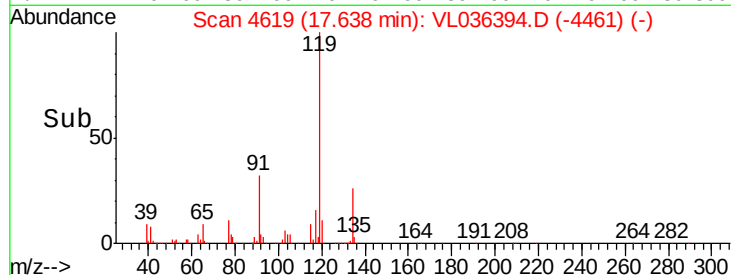
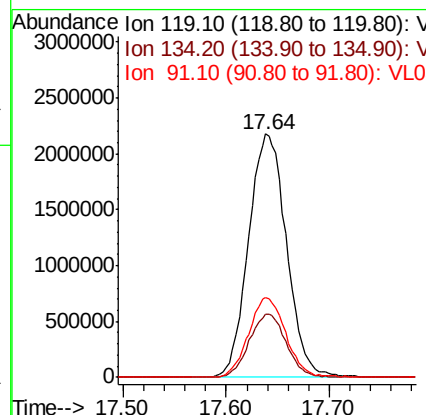
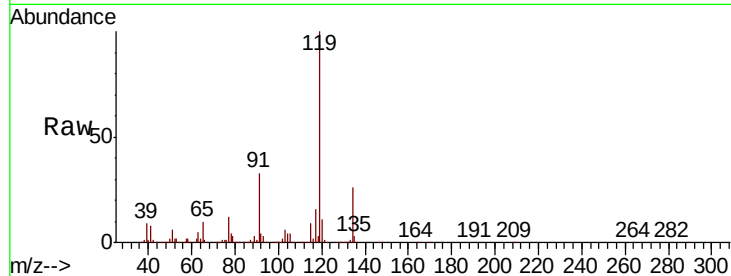




#69
 p-Isopropyltoluene
 Concen: 10.577 ppbv
 RT: 17.64 min Scan# 4619
 Delta R.T. 0.01 min
 Lab File: VL036394.D
 Acq: 25 Feb 2021 23:14

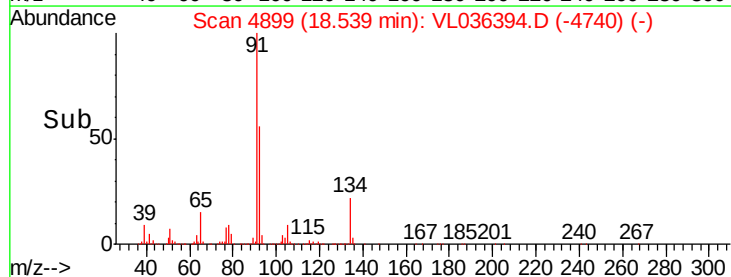
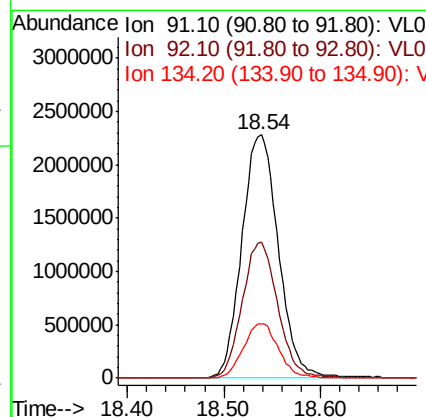
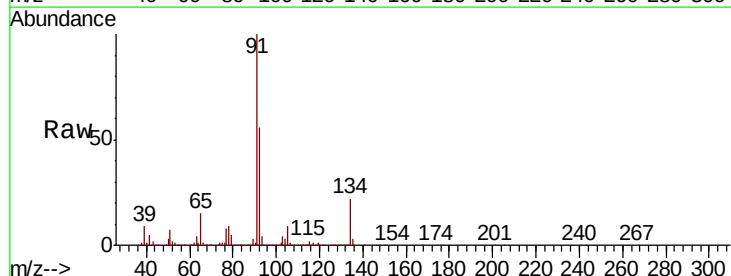
Instrument :
 MSVOA_L
 ClientSampled :

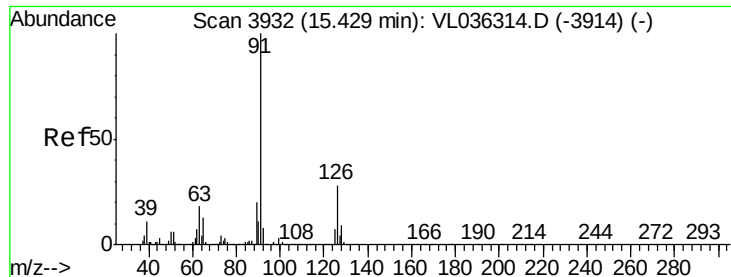
Tot Ion:119 Resp: 5556818
 Ion Ratio Lower Upper
 119 100
 134 25.3 20.1 30.1
 91 31.9 25.8 38.6



#70
 n-Butylbenzene
 Concen: 10.598 ppbv
 RT: 18.54 min Scan# 4899
 Delta R.T. 0.01 min
 Lab File: VL036394.D
 Acq: 25 Feb 2021 23:14

Tgt Ion: 91 Resp: 5970605
 Ion Ratio Lower Upper
 91 100
 92 54.6 43.7 65.5
 134 21.8 17.4 26.0

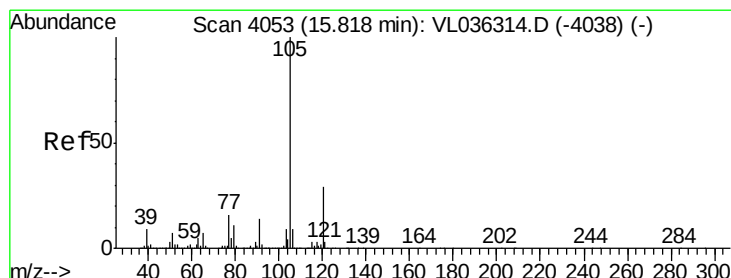
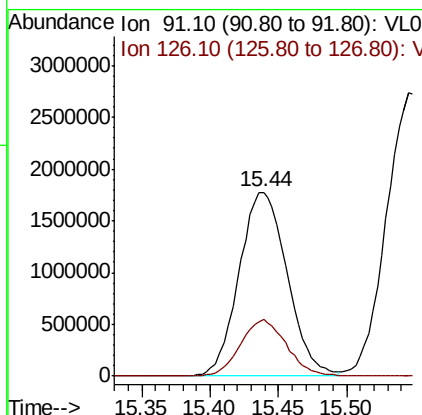
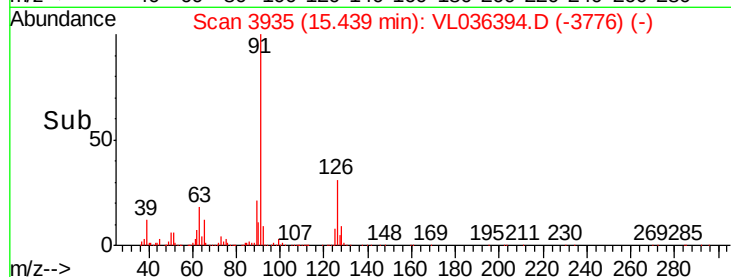
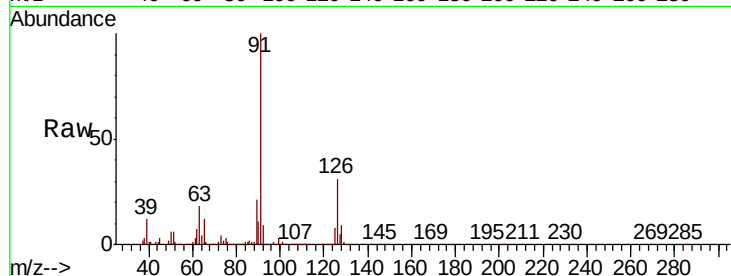




#71
2-Chlorotoluene
Concen: 10.287 ppbv
RT: 15.44 min Scan# 3935
Delta R.T. 0.01 min
Lab File: VL036394.D
Acq: 25 Feb 2021 23:14

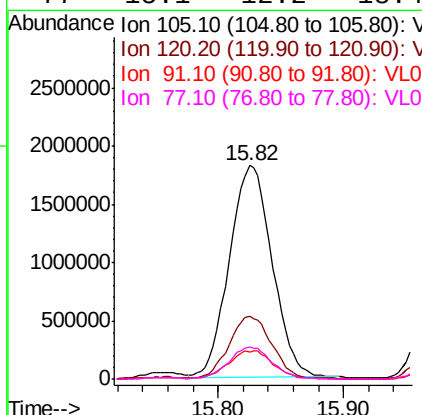
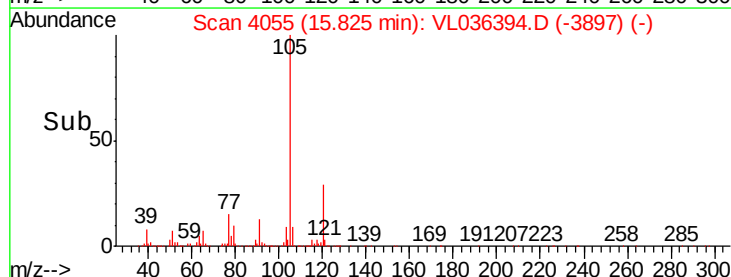
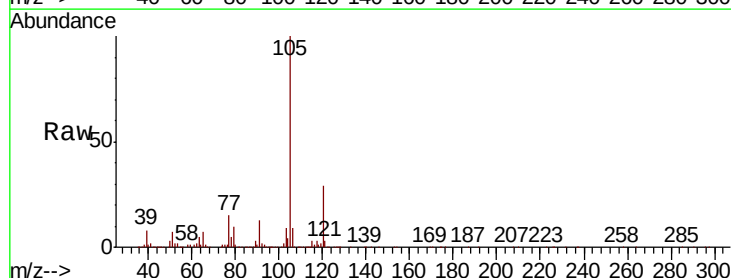
Instrument :
MSVOA_L
ClientSampleId :

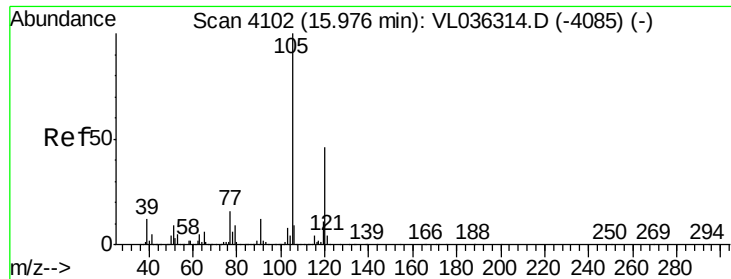
Tot Ion: 91 Resp: 4344426
Ion Ratio Lower Upper
91 100
126 29.8 11.5 46.1



#72
4-Ethyltoluene
Concen: 10.585 ppbv
RT: 15.82 min Scan# 4055
Delta R.T. 0.01 min
Lab File: VL036394.D
Acq: 25 Feb 2021 23:14

Tgt Ion:105 Resp: 4329881
Ion Ratio Lower Upper
105 100
120 29.8 23.2 34.8
91 13.7 11.0 16.4
77 15.1 12.2 18.4

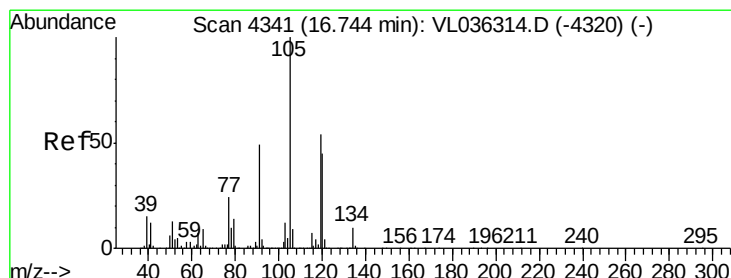
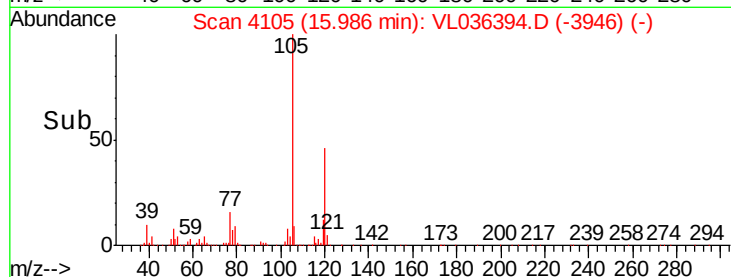
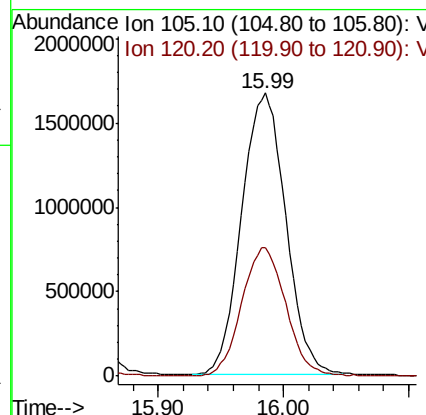
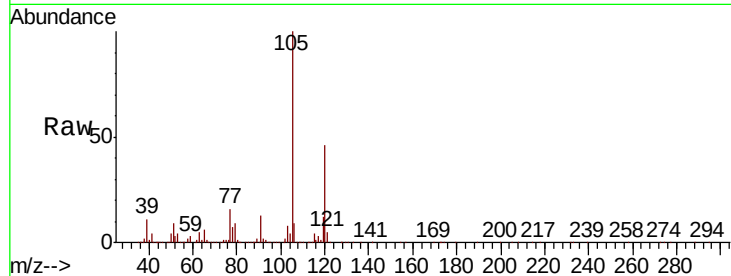




#73
 1,3,5-Trimethylbenzene
 Concen: 10.303 ppbv
 RT: 15.99 min Scan# 4105
 Delta R.T. 0.01 min
 Lab File: VL036394.D
 Acq: 25 Feb 2021 23:14

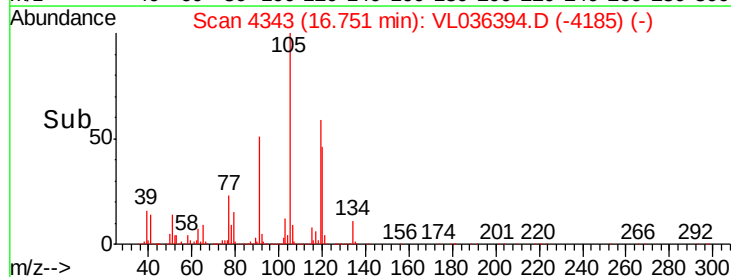
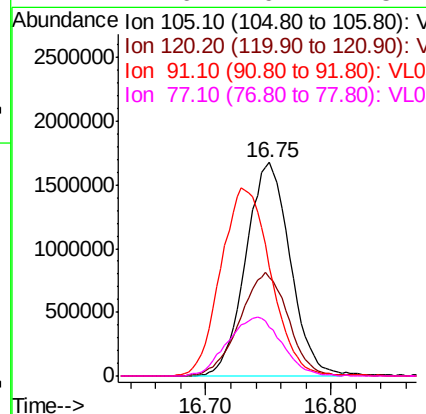
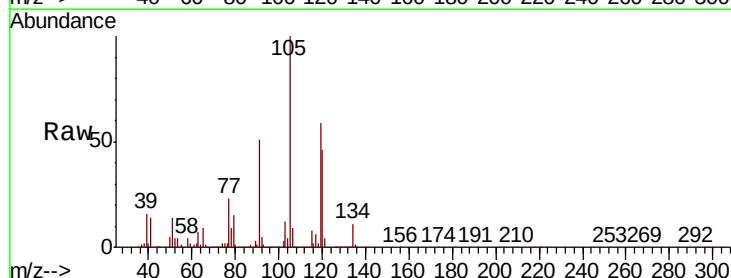
Instrument :
 MSVOA_L
 ClientSampleId :

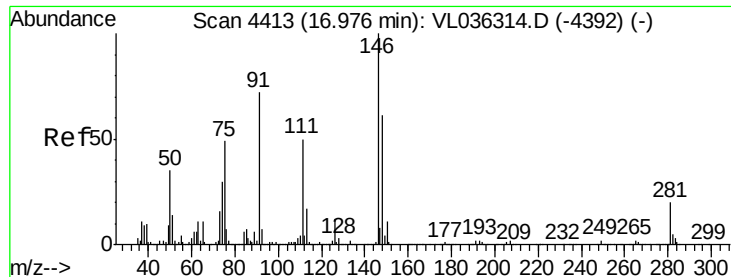
Tot Ion:105 Resp: 4085377
 Ion Ratio Lower Upper
 105 100
 120 45.6 36.9 55.3



#74
 1,2,4-Trimethylbenzene
 Concen: 10.136 ppbv
 RT: 16.75 min Scan# 4343
 Delta R.T. 0.01 min
 Lab File: VL036394.D
 Acq: 25 Feb 2021 23:14

Tgt Ion:105 Resp: 4102955
 Ion Ratio Lower Upper
 105 100
 120 45.9 35.8 53.6
 91 50.6 39.8 59.6
 77 22.6 19.1 28.7

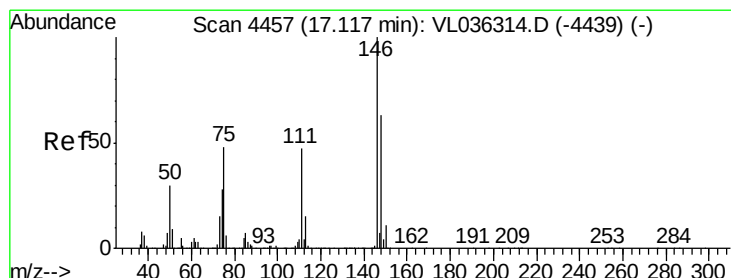
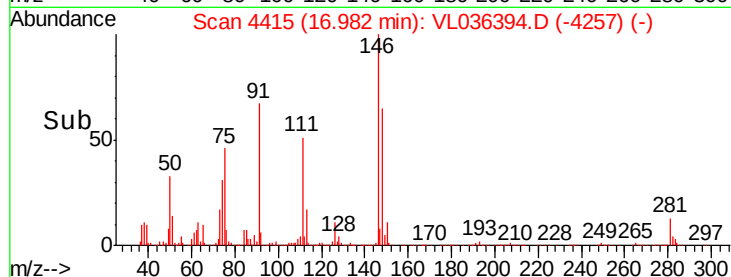
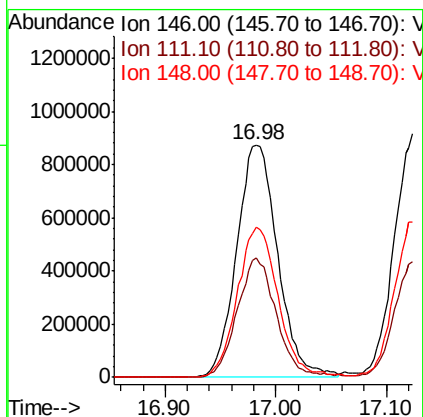
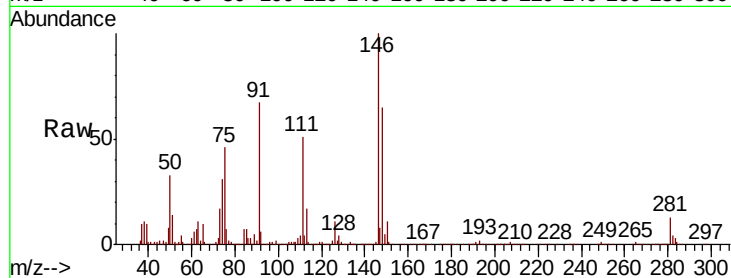




#75
 1,3-Dichlorobenzene
 Concen: 10.237 ppbv
 RT: 16.98 min Scan# 4415
 Delta R.T. 0.01 min
 Lab File: VL036394.D
 Acq: 25 Feb 2021 23:14

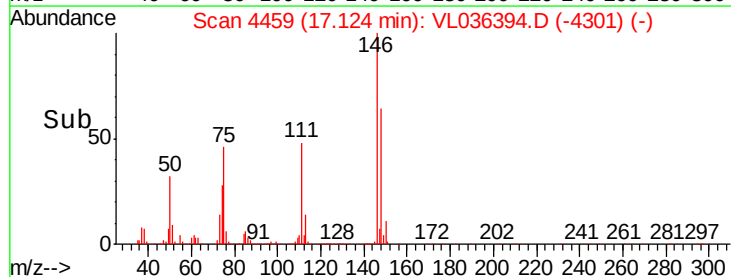
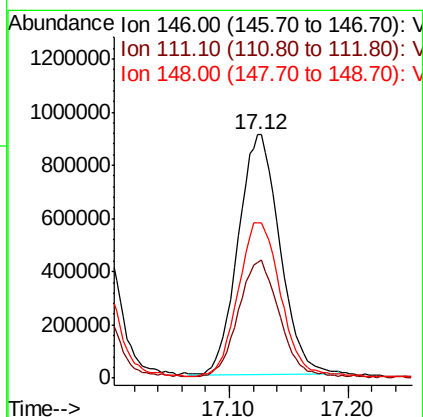
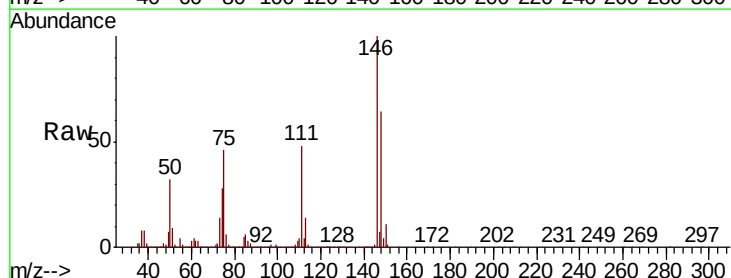
Instrument :
 MSVOA_L
 ClientSampleId :

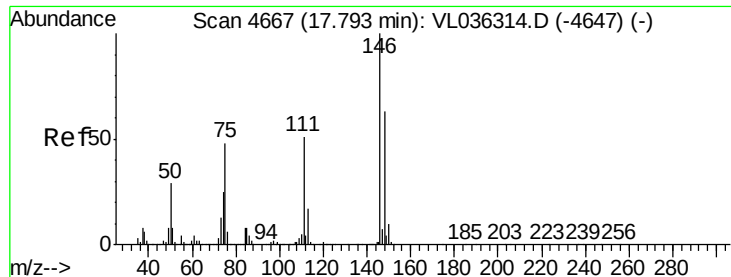
Tot Ion:146 Resp: 2249375
 Ion Ratio Lower Upper
 146 100
 111 49.2 24.9 74.6
 148 64.6 31.9 95.9



#76
 1,4-Dichlorobenzene
 Concen: 9.591 ppbv
 RT: 17.12 min Scan# 4459
 Delta R.T. 0.01 min
 Lab File: VL036394.D
 Acq: 25 Feb 2021 23:14

Tgt Ion:146 Resp: 2188220
 Ion Ratio Lower Upper
 146 100
 111 49.2 23.6 71.0
 148 68.1 31.6 95.0





#77

1,2-Dichlorobenzene

Concen: 10.142 ppbv

RT: 17.81 min Scan# 4671

Delta R.T. 0.01 min

Lab File: VL036394.D

Acq: 25 Feb 2021 23:14

Instrument :

MSVOA_L

ClientSampleId :

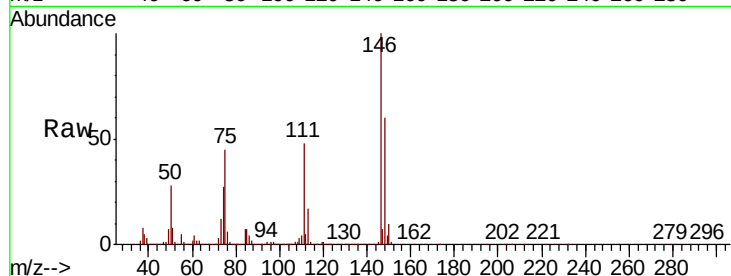
Tot Ion:146 Resp: 2210630

Ion Ratio Lower Upper

146 100

111 51.1 25.9 77.8

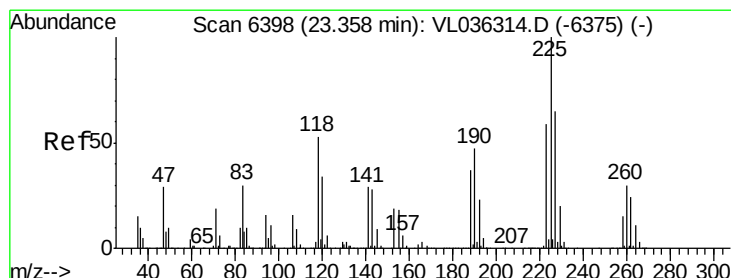
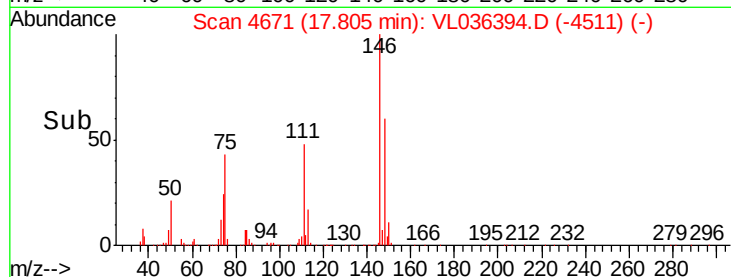
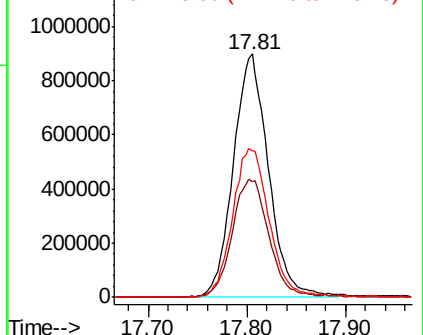
148 64.3 32.5 97.4



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: 9.720 ppbv

RT: 23.36 min Scan# 6399

Delta R.T. 0.00 min

Lab File: VL036394.D

Acq: 25 Feb 2021 23:14

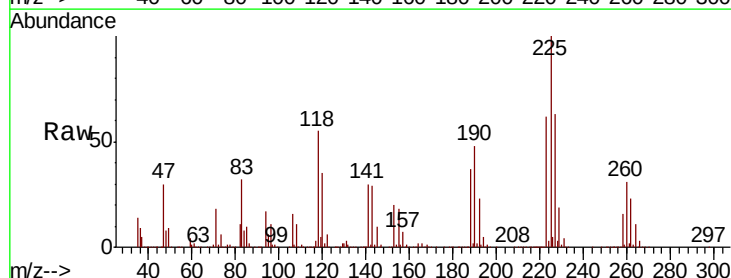
Tgt Ion:225 Resp: 1730936

Ion Ratio Lower Upper

225 100

223 64.6 50.8 76.2

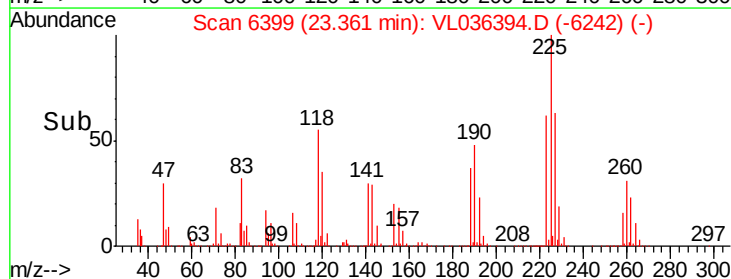
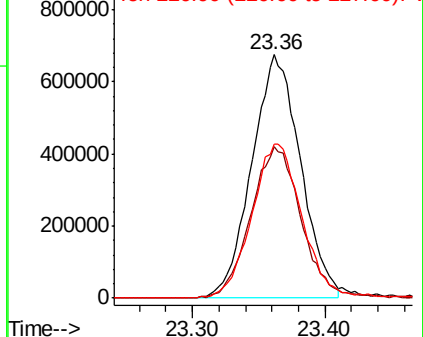
227 65.9 52.2 78.2

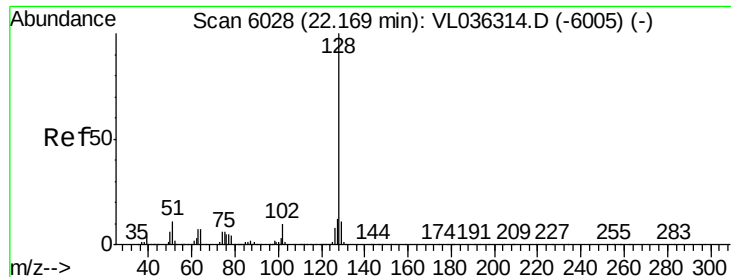


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 14.860 ppbv

RT: 22.18 min Scan# 6032

Delta R.T. 0.01 min

Lab File: VL036394.D

Acq: 25 Feb 2021 23:14

Instrument :

MSVOA_L

ClientSampleId :

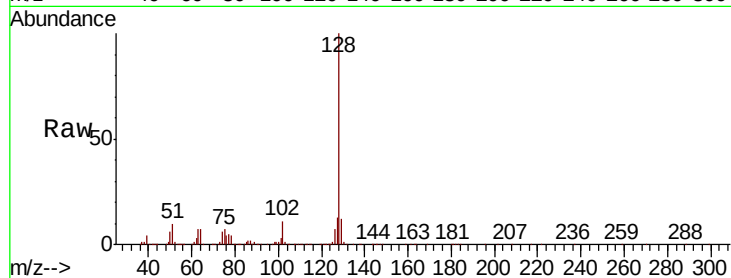
Tot Ion:128 Resp: 3565654

Ion Ratio Lower Upper

128 100

127 13.2 9.6 14.4

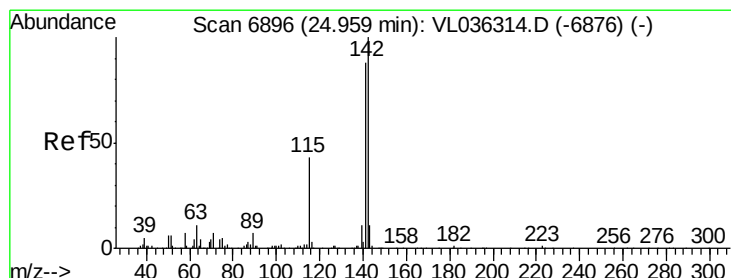
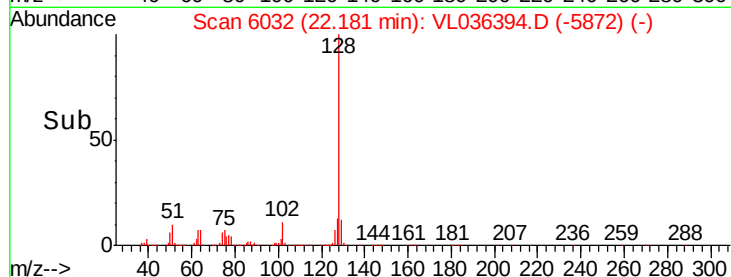
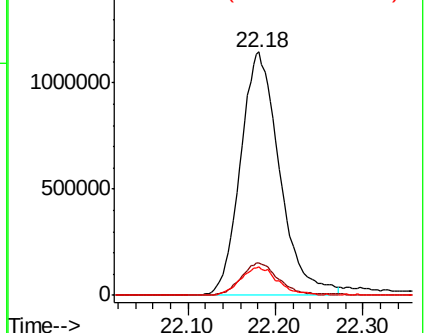
129 11.8 8.5 12.7



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: 19.740 ppbv

RT: 24.97 min Scan# 6898

Delta R.T. 0.01 min

Lab File: VL036394.D

Acq: 25 Feb 2021 23:14

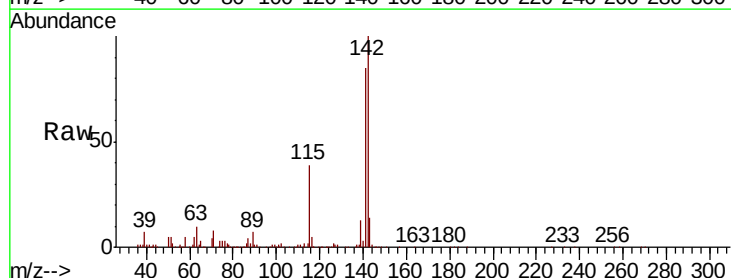
Tgt Ion:142 Resp: 877034

Ion Ratio Lower Upper

142 100

141 84.7 64.4 96.6

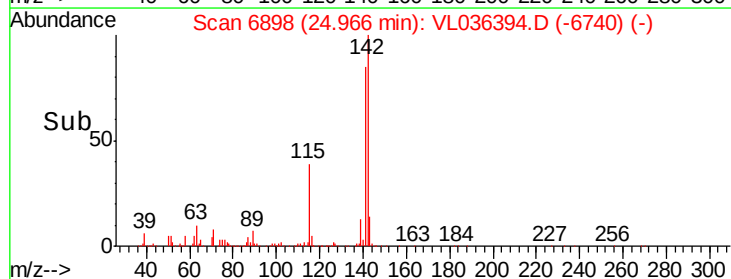
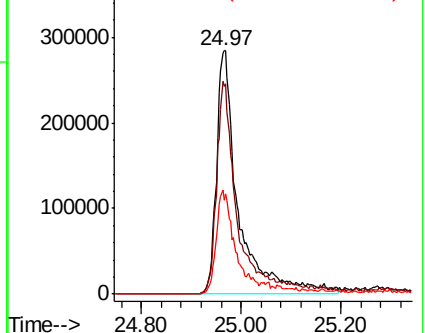
115 38.8 34.6 51.8

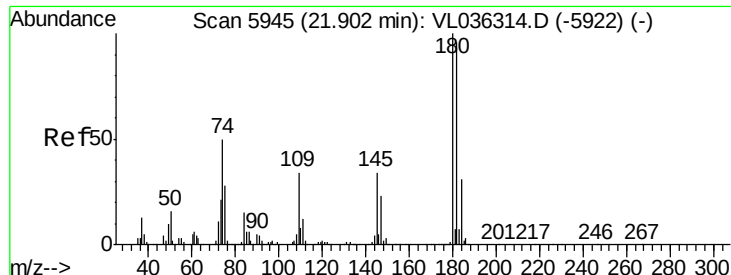


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 12.279 ppbv

RT: 21.91 min Scan# 5948

Delta R.T. 0.01 min

Lab File: VL036394.D

Acq: 25 Feb 2021 23:14

Instrument :

MSVOA_L

ClientSampleId :

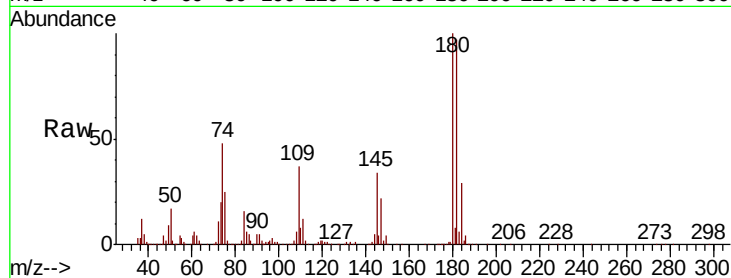
Tot Ion:180 Resp: 1797686

Ion Ratio Lower Upper

180 100

182 102.3 80.2 120.4

184 32.4 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

