

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022621\
 Data File : VL036398.D
 Acq On : 26 Feb 2021 12:16
 Operator : SY/AP
 Sample : VL0226ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Feb 27 03:15:53 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	1453257	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3337603	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.05	117	4177072	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	2725441	7.93	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	79.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	3032958	13.984	ppbv	100
3) Chlorodifluoromethane	2.96	51	2044893	11.325	ppbv	100
4) Chloromethane	3.11	50	1012495	11.607	ppbv	99
5) Vinyl Chloride	3.23	62	987353	12.155	ppbv	98
6) Bromomethane	3.45	94	582273	12.060	ppbv	96
7) Chloroethane	3.53	64	333750	11.571	ppbv	97
8) Dichlorotetrafluoroethane	3.17	85	2323638	11.780	ppbv	99
9) Propene	2.99	41	941178	13.980	ppbv	99
10) Heptane	8.09	43	2422254	12.208	ppbv	99
11) Trichlorofluoromethane	3.92	101	2510395	11.820	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1563216	11.882	ppbv	99
13) Ethanol	3.58	45	124256	9.826	ppbv	100
14) Bromoethene	3.71	108	653656	11.872	ppbv	99
15) Acetone	3.82	43	1863706	10.491	ppbv	98
16) 1,3-Butadiene	3.30	39	985905	11.606	ppbv	100
17) tert-Butyl alcohol	4.27	59	1286832	9.332	ppbv	99
18) 1,1-Dichloroethene	4.26	96	681592	11.400	ppbv	98
19) Isopropyl Alcohol	3.94	45	902113	9.166	ppbv #	96
20) Methylene Chloride	4.32	84	617896	10.781	ppbv	98
21) Allyl Chloride	4.38	41	1138647	11.513	ppbv	98
22) trans-1,2-Dichloroethene	4.86	96	626975	11.545	ppbv	95
23) Vinyl Acetate	5.05	43	2503181	11.984	ppbv	99
24) 1,1-Dichloroethane	4.98	63	1832080	11.860	ppbv	99
25) Ethyl Acetate	5.65	43	4041143	11.784	ppbv	99
26) Hexane	5.66	57	1661859	11.794	ppbv	99
27) Carbon Disulfide	4.52	76	1774312	13.701	ppbv	98
28) Methyl tert-Butyl Ether	5.01	73	2206524	11.987	ppbv	100
29) Chloroform	5.72	83	2634849	11.607	ppbv	100
30) Cyclohexane	7.10	84	1355581	11.568	ppbv	99
31) cis-1,2-Dichloroethene	5.52	61	1639596	11.760	ppbv	97
32) 1,1,1-Trichloroethane	6.48	97	2557884	12.052	ppbv	99
34) 2-Butanone	5.21	43	2524308	11.383	ppbv	100
35) Carbon Tetrachloride	6.99	117	2632226	11.767	ppbv	97
36) Benzene	6.86	78	3402919	12.002	ppbv	98
37) 1,2-Dichloroethane	6.28	62	2050054	11.695	ppbv	100
38) Trichloroethene	7.80	130	1150202	11.324	ppbv	96
39) 1,2-Dichloropropane	7.58	63	1380371	11.985	ppbv	98
40) 1,4-Dioxane	7.80	88	400124	10.027	ppbv #	23
41) Tetrahydrofuran	6.02	42	1505956	12.169	ppbv	99
42) Bromodichloromethane	7.76	83	2824843	12.033	ppbv	99
43) Methyl Methacrylate	7.98	69	1517331	12.690	ppbv	100

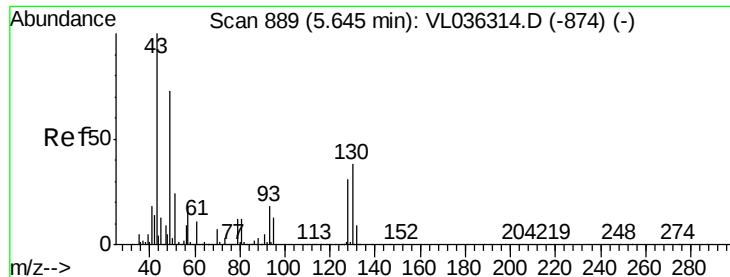
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022621\
 Data File : VL036398.D
 Acq On : 26 Feb 2021 12:16
 Operator : SY/AP
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Instrument :
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Quant Time: Feb 27 03:15:53 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA 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)
44) 2,2,4-Trimethylpentane	7.84	57	5817849	11.285	ppbv	99
45) t-1,3-Dichloropropene	9.25	75	1609453	13.953	ppbv	100
46) cis-1,3-Dichloropropene	8.67	75	1971173	13.453	ppbv	98
47) 1,1,2-Trichloroethane	9.44	97	1386783	11.766	ppbv	96
48) Dibromochloromethane	10.28	129	2276702	12.945	ppbv	99
49) Bromoform	13.01	173	1941709	13.656	ppbv	99
50) 4-Methyl-2-Pentanone	8.71	43	3972172	12.066	ppbv	100
51) 2-Hexanone	10.10	43	3227061	12.901	ppbv #	99
52) Tetrachloroethene	11.19	164	1117594	10.768	ppbv	97
53) Toluene	9.77	91	3767698	12.269	ppbv	98
54) 1,2-Dibromoethane	10.58	107	2033315	11.937	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.09	131	1727372	8.991	ppbv #	64
57) Chlorobenzene	12.11	112	2778294	8.609	ppbv	96
58) Ethyl Benzene	12.68	91	5185575	9.066	ppbv	98
59) m/p-Xylene	12.97	91	2842814	5.658	ppbv #	33
60) o-Xylene	13.66	91	4186044	8.714	ppbv	99
61) Styrene	13.50	104	2981336	10.014	ppbv	99
62) Isopropylbenzene	14.64	105	6193777	8.602	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.64	83	3042166	8.026	ppbv	100
64) n-propylbenzene	15.53	120	1626476	9.178	ppbv	96
65) tert-Butylbenzene	16.72	119	5293004	8.592	ppbv	99
66) Benzyl Chloride	16.96	91	1978994	11.816	ppbv	100
67) sec-Butylbenzene	17.27	105	7527853	8.473	ppbv	98
69) p-Isopropyltoluene	17.63	119	6149432	8.956	ppbv	99
70) n-Butylbenzene	18.52	91	6487887	8.811	ppbv	99
71) 2-Chlorotoluene	15.42	91	4890043	8.859	ppbv	99
72) 4-Ethyltoluene	15.81	105	4882733	9.134	ppbv	99
73) 1,3,5-Trimethylbenzene	15.97	105	4524570	8.731	ppbv	98
74) 1,2,4-Trimethylbenzene	16.73	105	4608420	8.711	ppbv	95
75) 1,3-Dichlorobenzene	16.97	146	2580583	8.987	ppbv	99
76) 1,4-Dichlorobenzene	17.11	146	2539164	8.515	ppbv	97
77) 1,2-Dichlorobenzene	17.79	146	2471404	8.676	ppbv	99
78) Hexachloro-1,3-Butadiene	23.34	225	790094	3.395	ppbv #	6
79) Naphthalene	22.16	128	3163290	10.087	ppbv	98
80) Naphthalene, 2-methyl-	24.96	142	155986	2.686	ppbv	96
81) 1,2,4-Trichlorobenzene	21.90	180	1690858	8.837	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: VL036398.D

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Instrument :

MSVOA_L

ClientSampled :

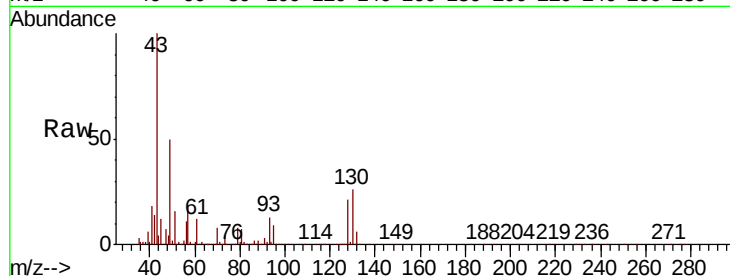
Tot Ion: 49 Resp: 1453257

Ion Ratio Lower Upper

49 100

128 43.3 20.8 62.5

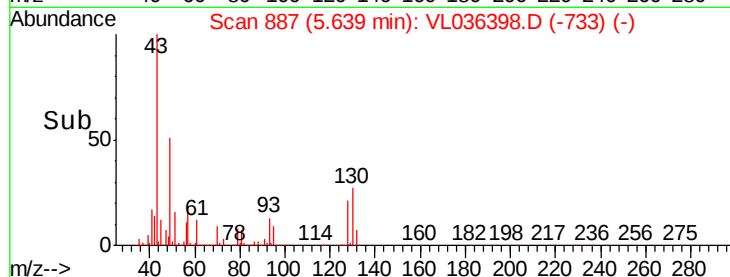
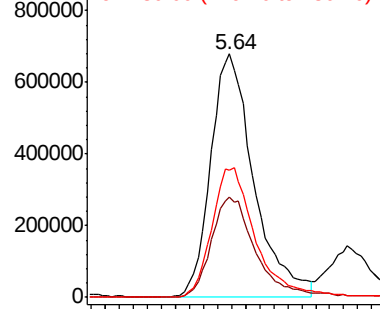
130 55.0 26.7 80.1



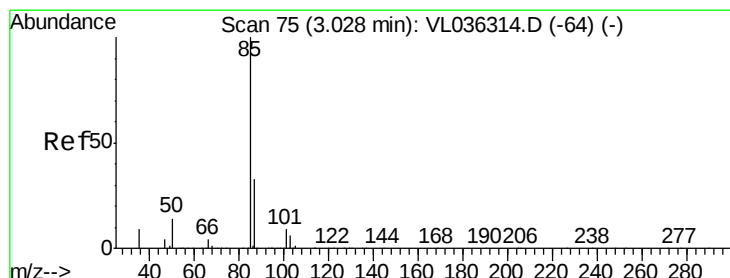
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



Time-->



#2

Dichlorodifluoromethane

Concen: 13.984 ppbv

RT: 3.02 min Scan# 74

Delta R.T. -0.00 min

Lab File: VL036398.D

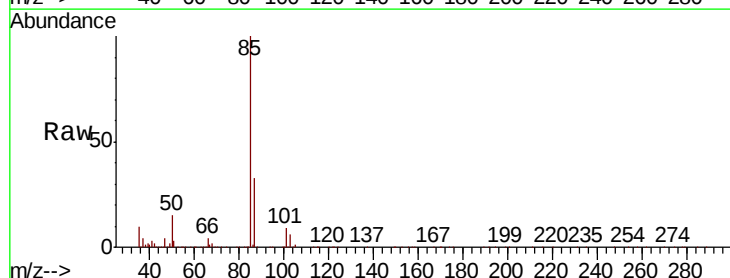
Acq: 26 Feb 2021 12:16

Tgt Ion: 85 Resp: 3032958

Ion Ratio Lower Upper

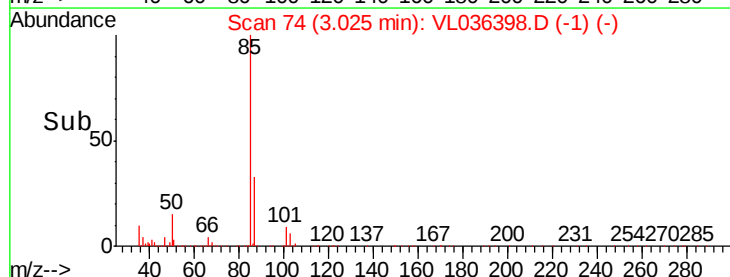
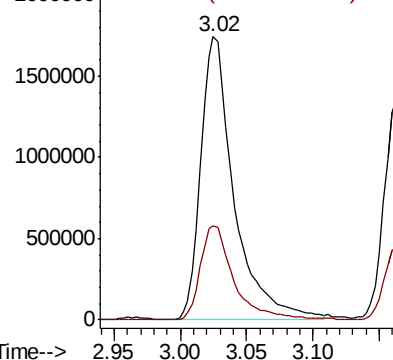
85 100

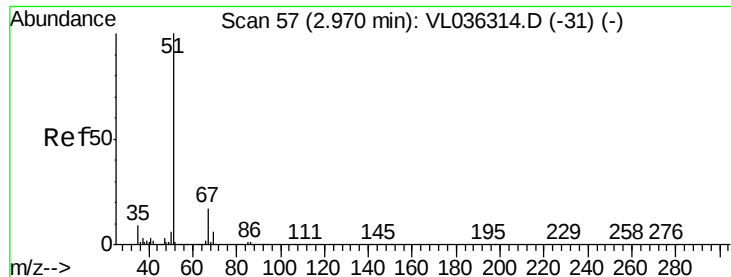
87 33.1 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

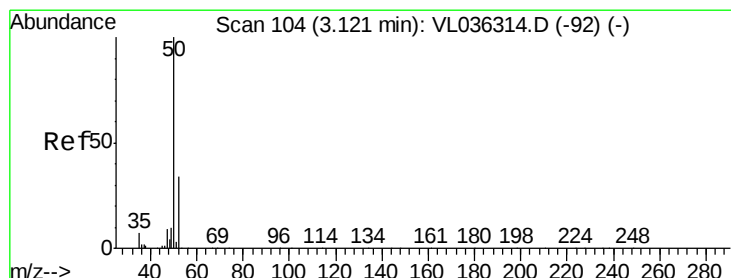
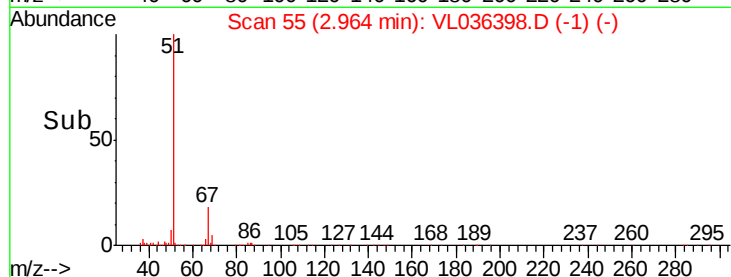
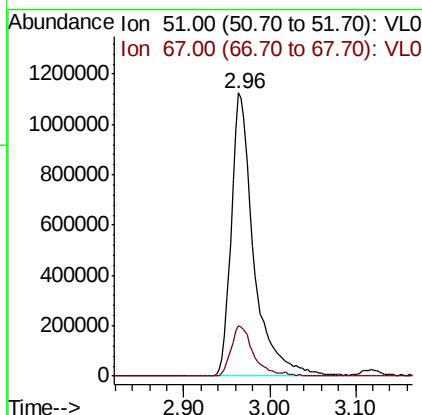
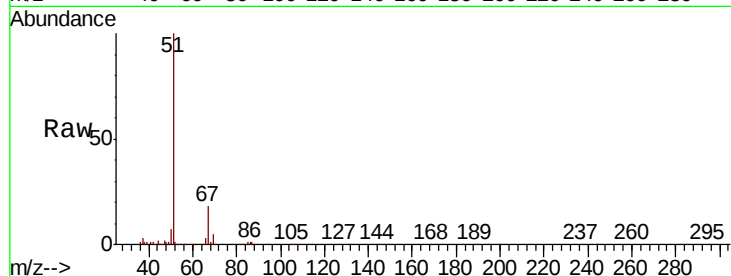




#3
Chlorodifluoromethane
Concen: 11.325 ppbv
RT: 2.96 min Scan# 55
Delta R.T. -0.01 min
Lab File: VL036398.D
Acq: 26 Feb 2021 12:16

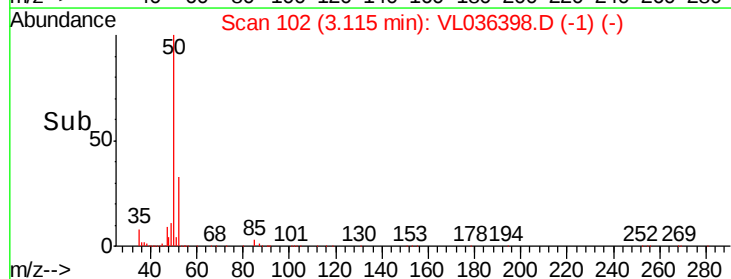
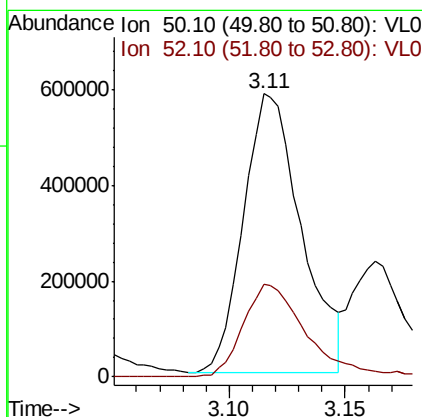
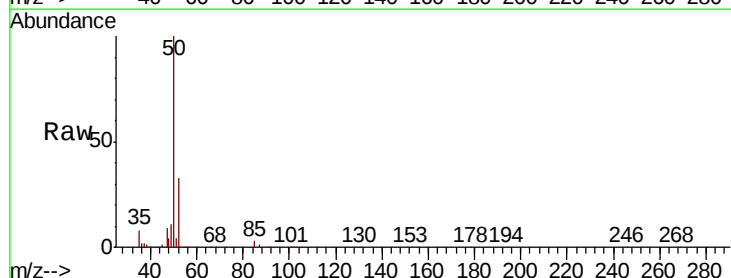
Instrument :
MSVOA_L
ClientSampleId :

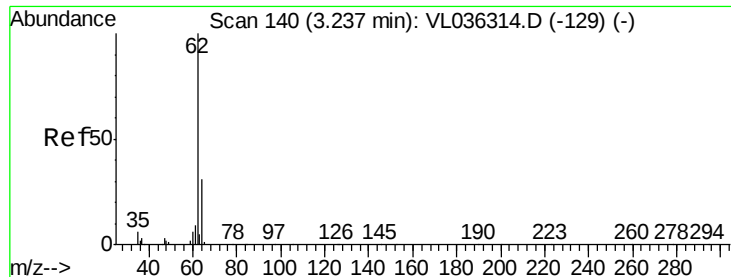
Tot Ion: 51 Resp: 2044893
Ion Ratio Lower Upper
51 100
67 18.3 14.7 22.1



#4
Chloromethane
Concen: 11.607 ppbv
RT: 3.11 min Scan# 102
Delta R.T. -0.01 min
Lab File: VL036398.D
Acq: 26 Feb 2021 12:16

Tgt Ion: 50 Resp: 1012495
Ion Ratio Lower Upper
50 100
52 33.0 27.0 40.4





#5

Vinyl Chloride

Concen: 12.155 ppbv

RT: 3.23 min Scan# 139

Delta R.T. -0.00 min

Lab File: VL036398.D

Acq: 26 Feb 2021 12:16

Instrument :

MSVOA_L

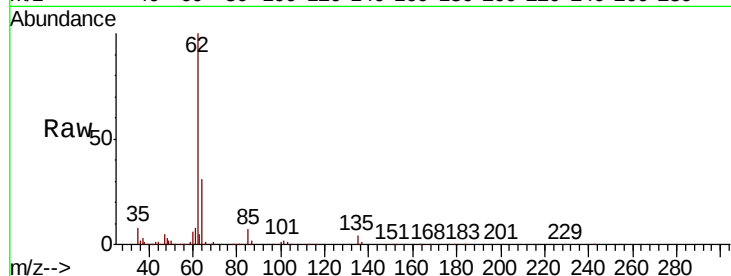
ClientSampleId :

Tot Ion: 62 Resp: 987353

Ion Ratio Lower Upper

62 100

64 31.4 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

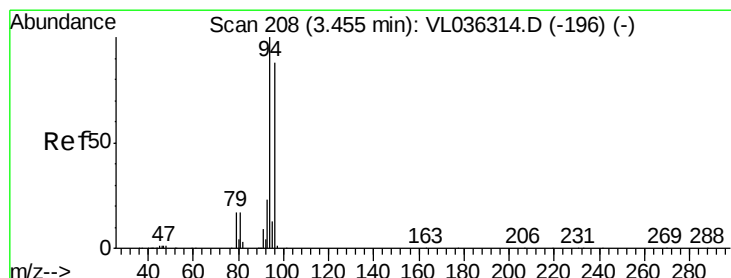
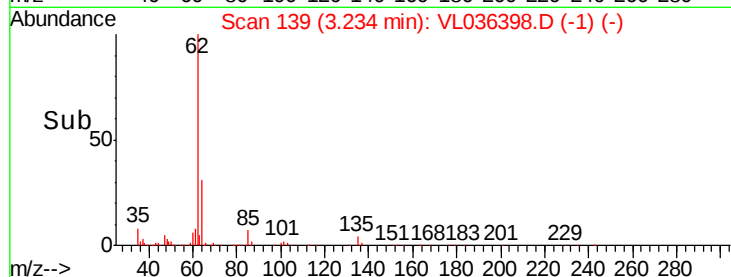
600000

400000

200000

0

Time-->



#6

Bromomethane

Concen: 12.060 ppbv

RT: 3.45 min Scan# 206

Delta R.T. -0.01 min

Lab File: VL036398.D

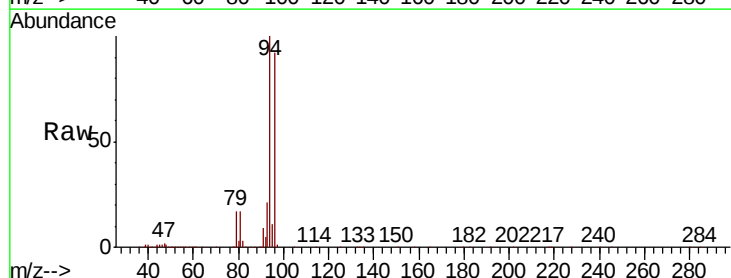
Acq: 26 Feb 2021 12:16

Tgt Ion: 94 Resp: 582273

Ion Ratio Lower Upper

94 100

96 92.2 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

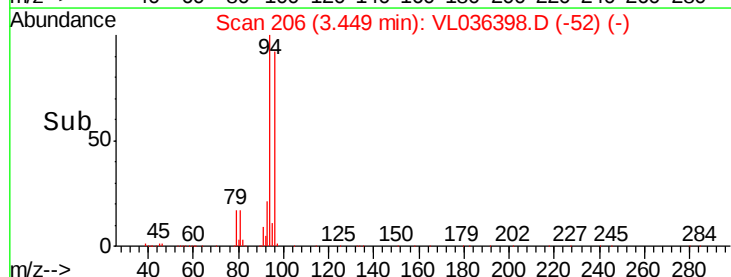
300000

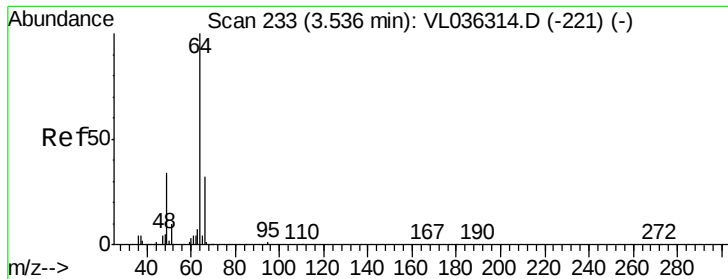
200000

100000

0

Time-->





#7

Chloroethane

Concen: 11.571 ppbv

RT: 3.53 min Scan# 231

Delta R.T. -0.01 min

Lab File: VL036398.D

Acq: 26 Feb 2021 12:16

Instrument :

MSVOA_L

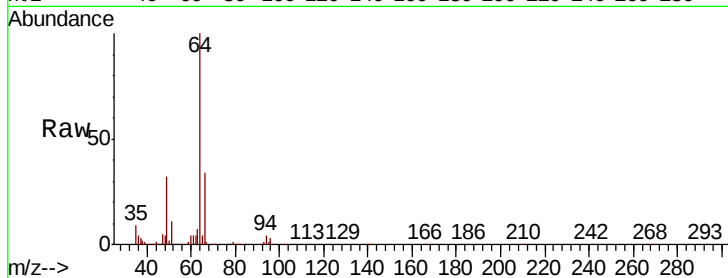
ClientSampleId :

Tot Ion: 64 Resp: 333750

Ion Ratio Lower Upper

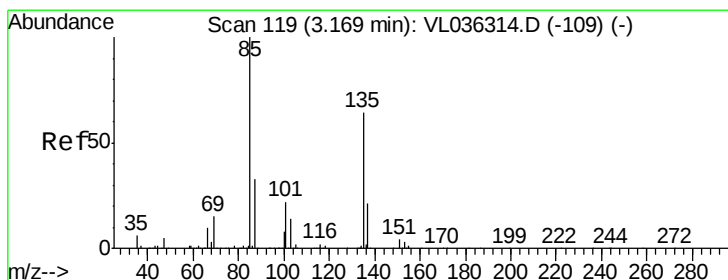
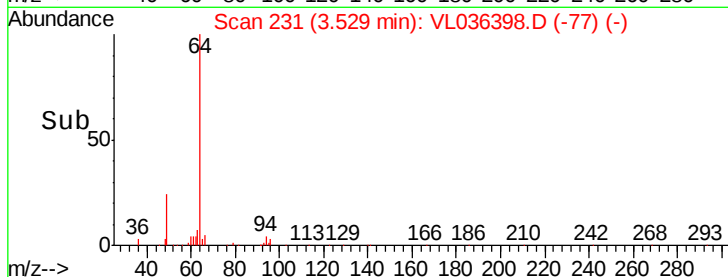
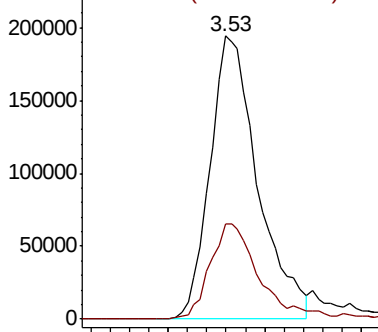
64 100

66 33.7 25.6 38.4



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 11.780 ppbv

RT: 3.17 min Scan# 118

Delta R.T. -0.00 min

Lab File: VL036398.D

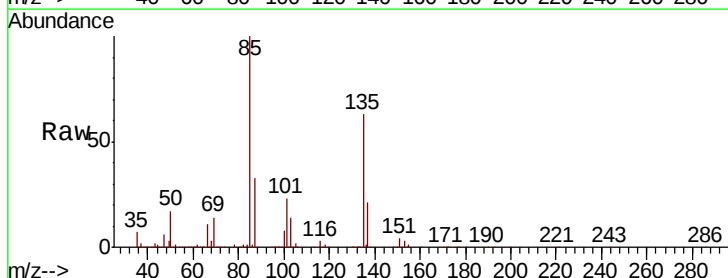
Acq: 26 Feb 2021 12:16

Tgt Ion: 85 Resp: 2323638

Ion Ratio Lower Upper

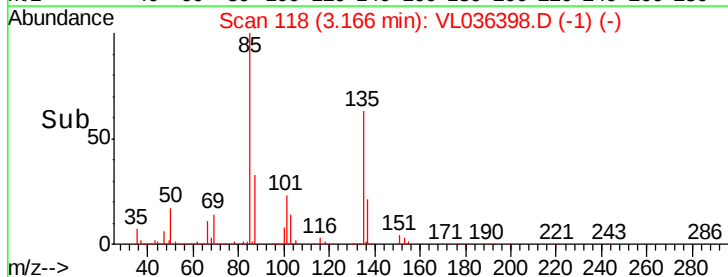
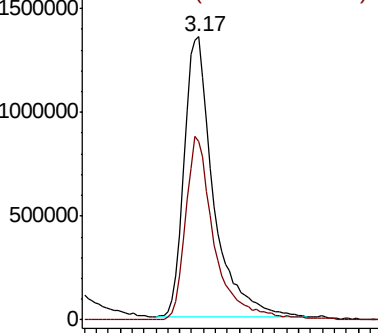
85 100

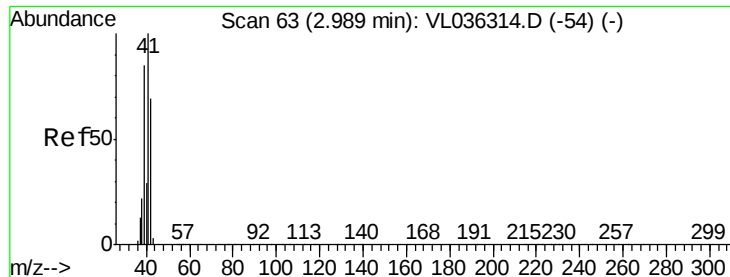
135 64.7 51.1 76.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 13.980 ppbv

RT: 2.99 min Scan# 62

Delta R.T. -0.00 min

Lab File: VL036398.D

Acq: 26 Feb 2021 12:16

Instrument :

MSVOA_L

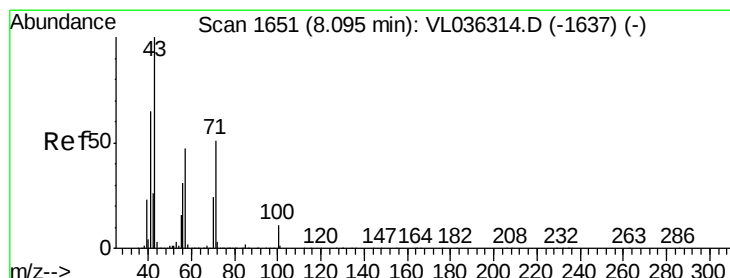
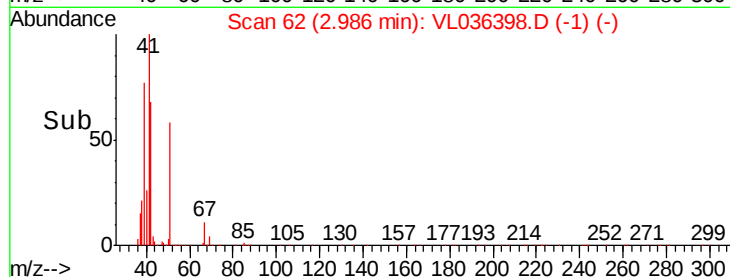
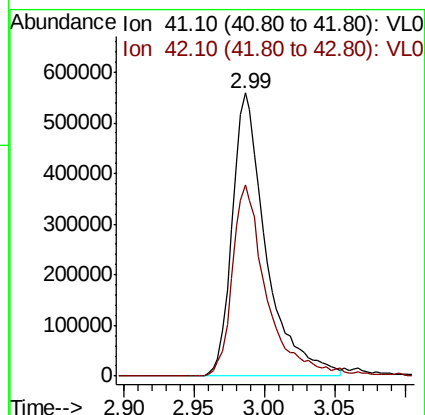
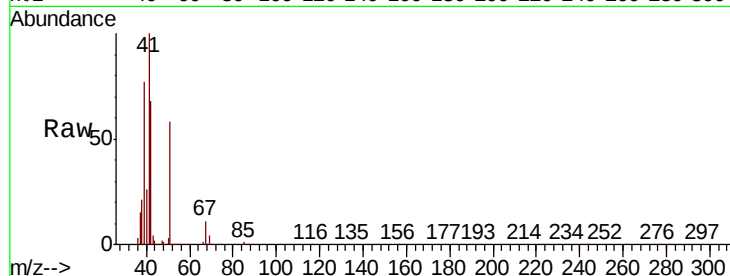
ClientSampleId :

Tot Ion: 41 Resp: 941178

Ion Ratio Lower Upper

41 100

42 69.3 56.2 84.2



#10

Heptane

Concen: 12.208 ppbv

RT: 8.09 min Scan# 1650

Delta R.T. -0.00 min

Lab File: VL036398.D

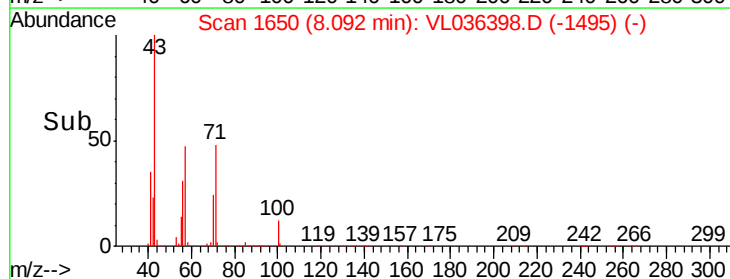
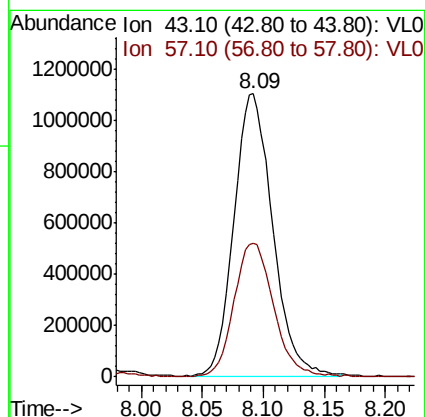
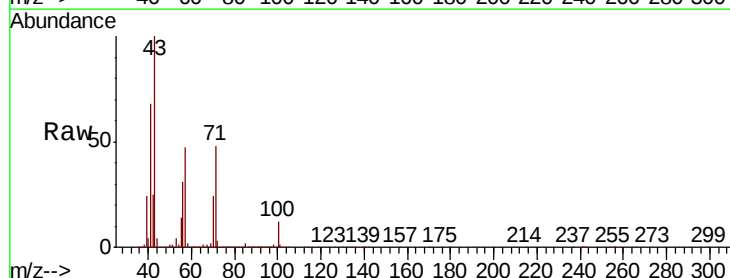
Acq: 26 Feb 2021 12:16

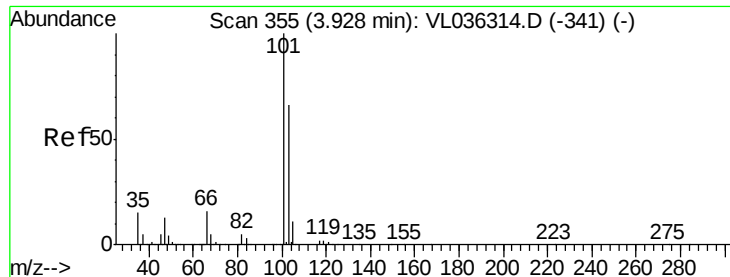
Tgt Ion: 43 Resp: 2422254

Ion Ratio Lower Upper

43 100

57 48.6 39.4 59.2

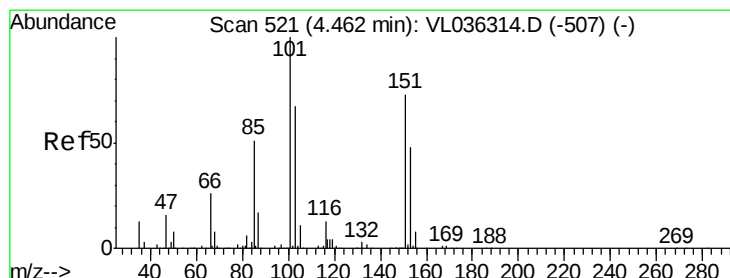
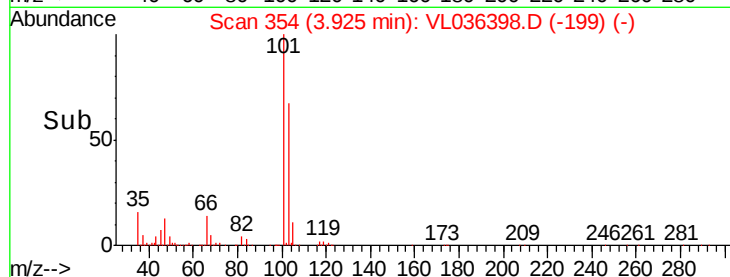
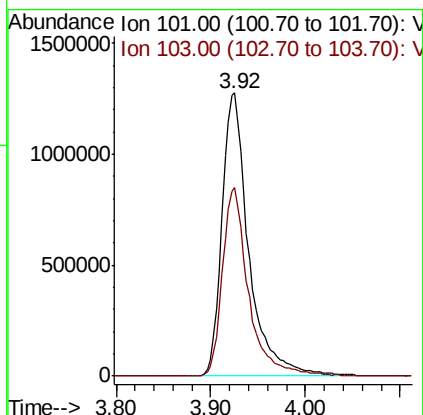
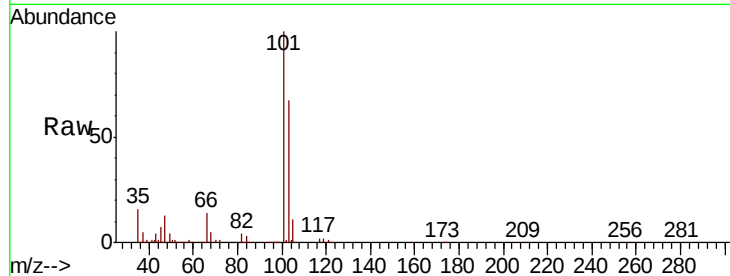




#11
 Trichlorofluoromethane
 Concen: 11.820 ppbv
 RT: 3.92 min Scan# 354
 Delta R.T. -0.00 min
 Lab File: VL036398.D
 Acq: 26 Feb 2021 12:16

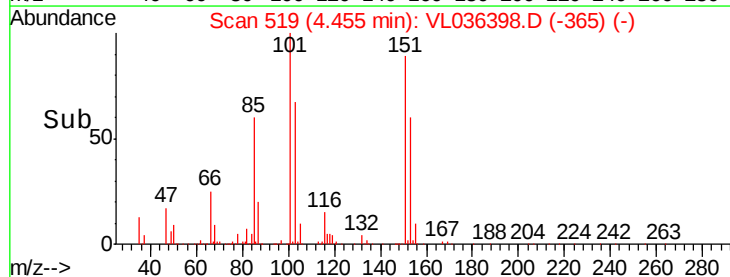
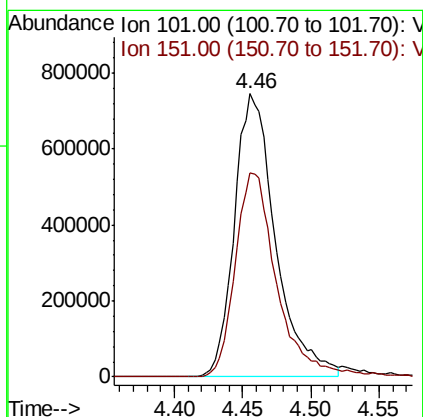
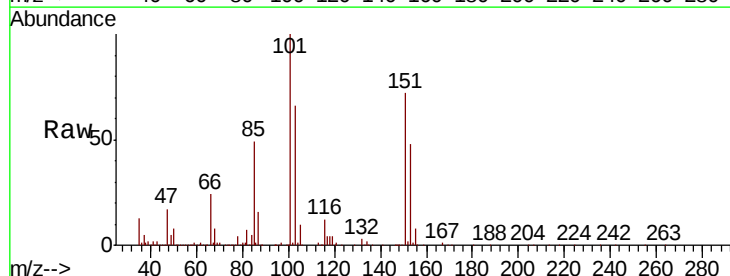
Instrument :
 MSVOA_L
 ClientSampled :

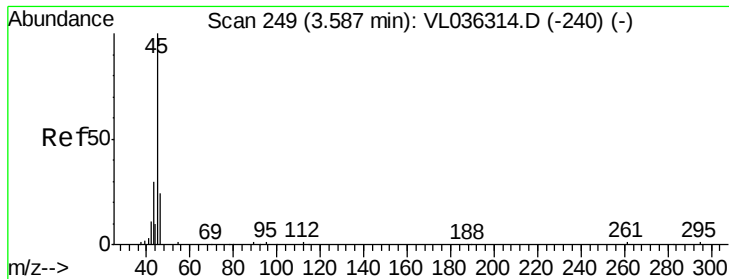
Tot Ion:101 Resp: 2510395
 Ion Ratio Lower Upper
 101 100
 103 66.7 52.9 79.3



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 11.882 ppbv
 RT: 4.46 min Scan# 519
 Delta R.T. -0.01 min
 Lab File: VL036398.D
 Acq: 26 Feb 2021 12:16

Tgt Ion:101 Resp: 1563216
 Ion Ratio Lower Upper
 101 100
 151 73.5 58.2 87.4





#13

Ethanol

Concen: 9.826 ppbv

RT: 3.58 min Scan# 248

Delta R.T. -0.00 min

Lab File: VL036398.D

Acq: 26 Feb 2021 12:16

Instrument :

MSVOA_L

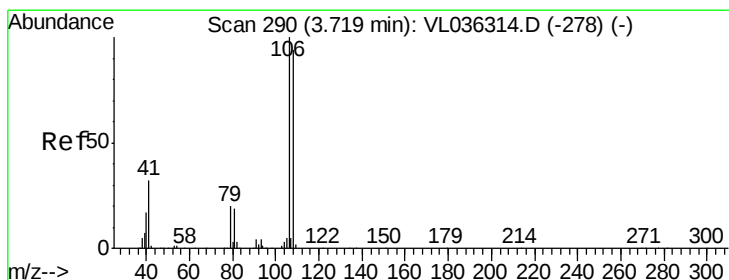
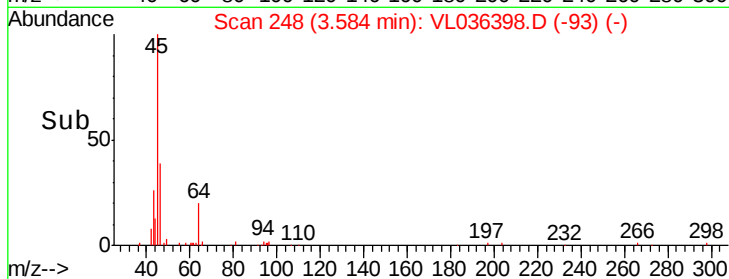
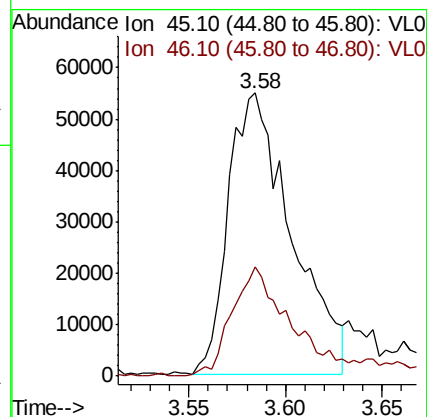
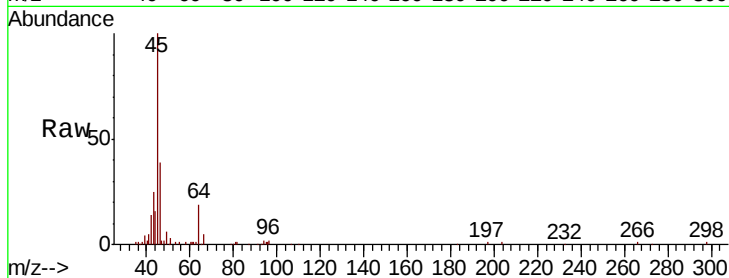
ClientSampleId :

Tot Ion: 45 Resp: 124256

Ion Ratio Lower Upper

45 100

46 44.0 17.7 70.7



#14

Bromoethene

Concen: 11.872 ppbv

RT: 3.71 min Scan# 288

Delta R.T. -0.01 min

Lab File: VL036398.D

Acq: 26 Feb 2021 12:16

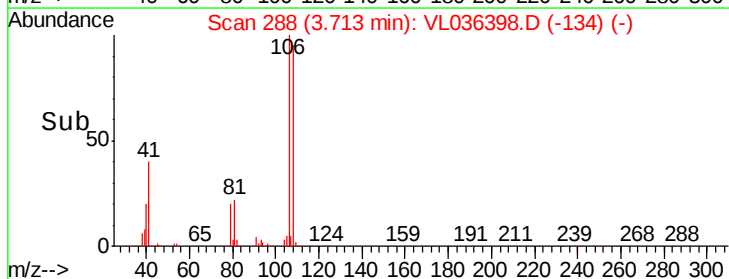
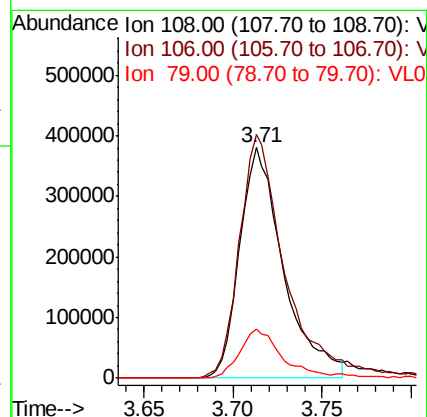
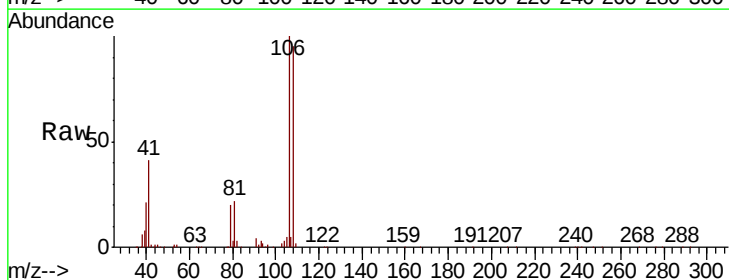
Tgt Ion: 108 Resp: 653656

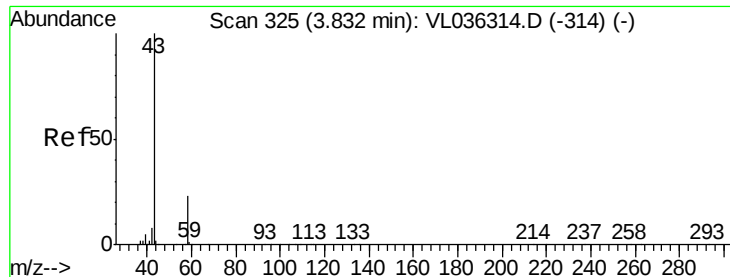
Ion Ratio Lower Upper

108 100

106 112.7 89.8 134.8

79 22.1 17.1 25.7





#15

Acetone

Concen: 10.491 ppbv

RT: 3.82 min Scan# 322

Delta R.T. -0.01 min

Lab File: VL036398.D

Acq: 26 Feb 2021 12:16

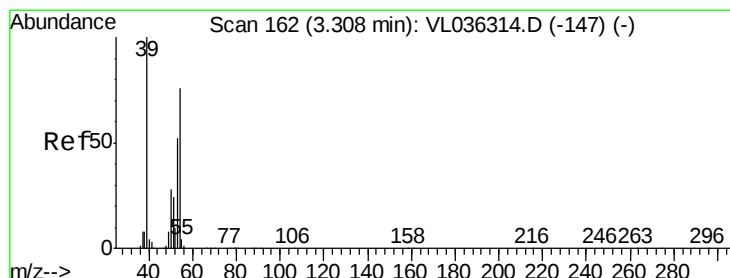
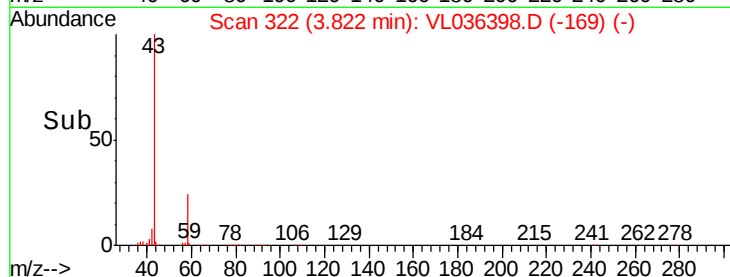
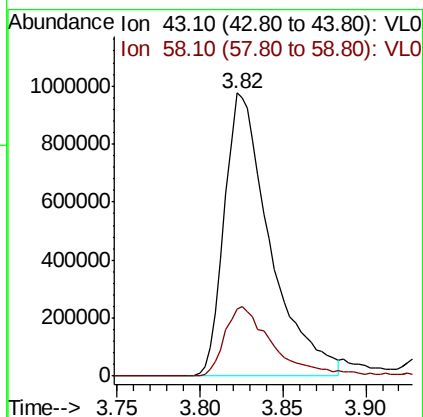
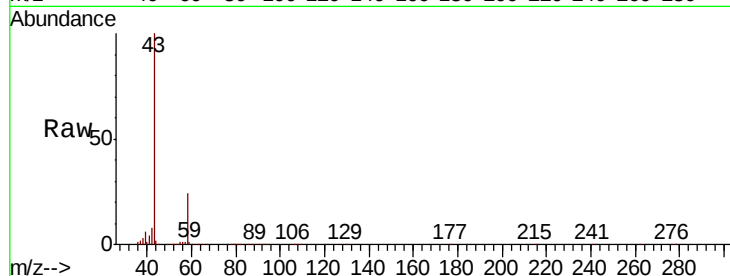
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 1863706

Ion Ratio Lower Upper

43 100

58 26.3 20.3 30.5



#16

1,3-Butadiene

Concen: 11.606 ppbv

RT: 3.30 min Scan# 161

Delta R.T. -0.00 min

Lab File: VL036398.D

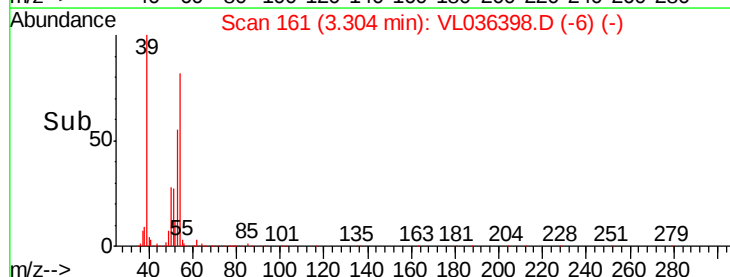
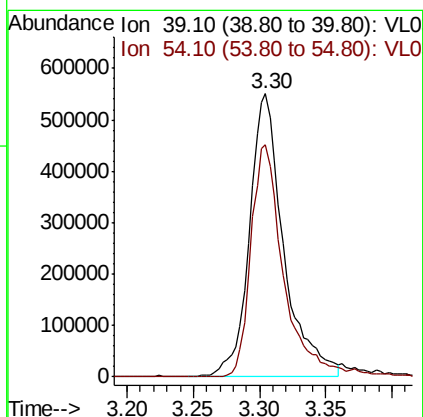
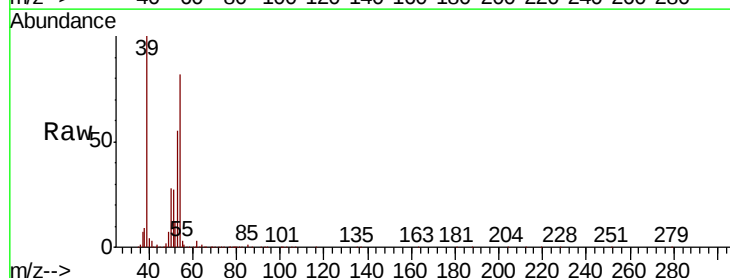
Acq: 26 Feb 2021 12:16

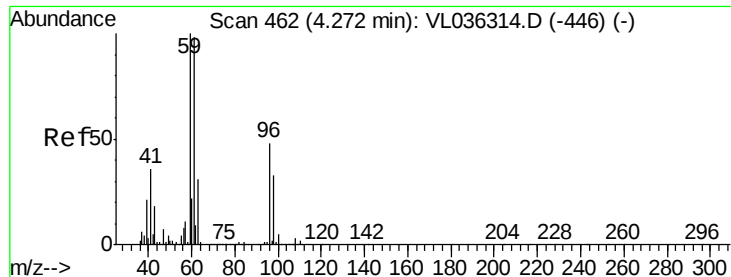
Tgt Ion: 39 Resp: 985905

Ion Ratio Lower Upper

39 100

54 80.6 64.4 96.6



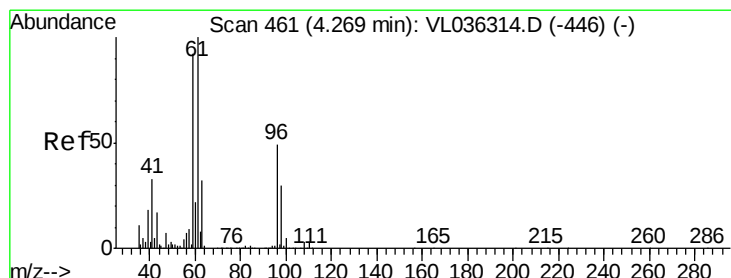
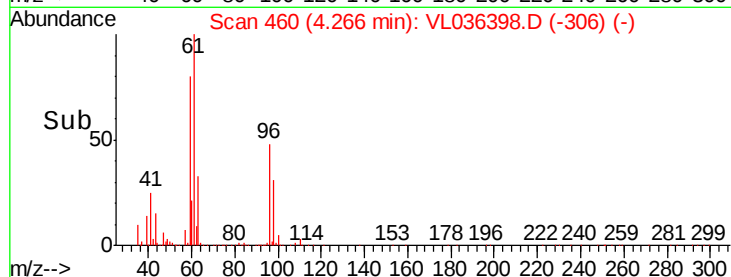
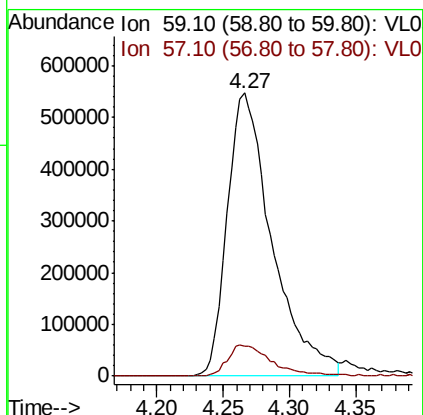
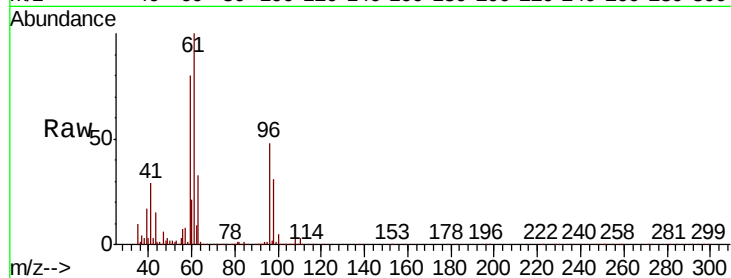


#17

tert-Butyl alcohol
 Concen: 9.332 ppbv
 RT: 4.27 min Scan# 460
 Delta R.T. -0.01 min
 Lab File: VL036398.D
 Acq: 26 Feb 2021 12:16

Instrument :
 MSVOA_L
 ClientSampleId :

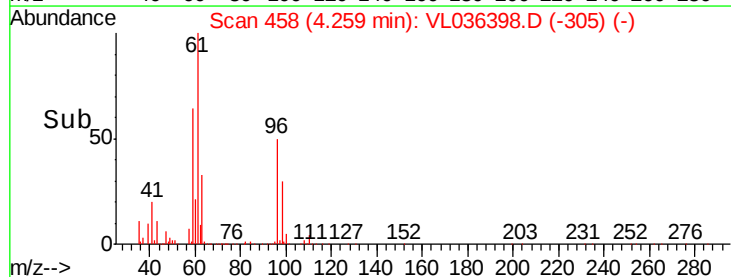
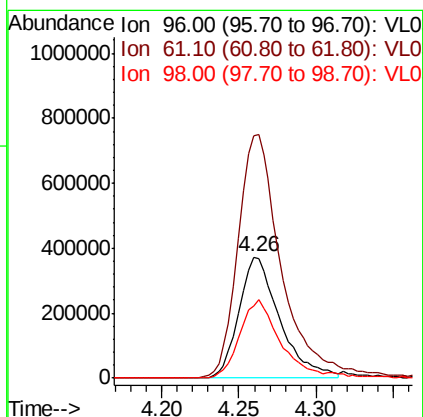
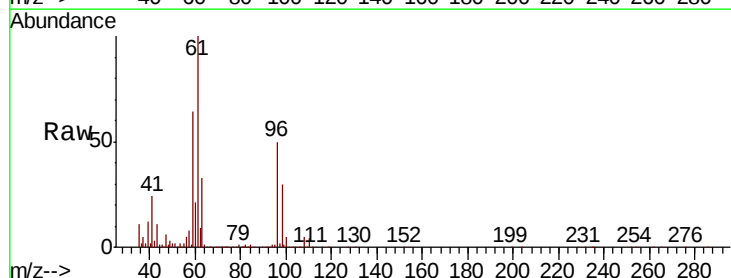
Tot Ion: 59 Resp: 1286832
 Ion Ratio Lower Upper
 59 100
 57 11.8 9.0 13.4

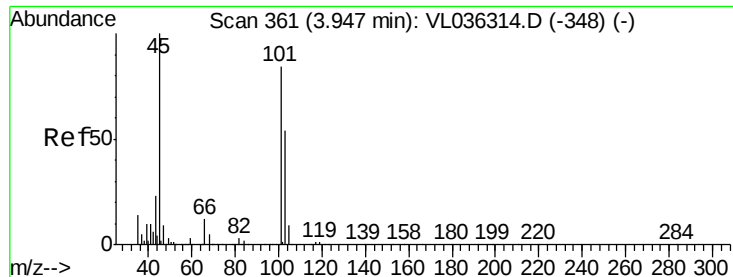


#18

1,1-Dichloroethene
 Concen: 11.400 ppbv
 RT: 4.26 min Scan# 458
 Delta R.T. -0.01 min
 Lab File: VL036398.D
 Acq: 26 Feb 2021 12:16

Tgt Ion: 96 Resp: 681592
 Ion Ratio Lower Upper
 96 100
 61 200.7 162.5 243.7
 98 59.5 48.5 72.7





#19

Isopropyl Alcohol

Concen: 9.166 ppbv

RT: 3.94 min Scan# 359

Delta R.T. -0.01 min

Lab File: VL036398.D

Acq: 26 Feb 2021 12:16

Instrument :

MSVOA_L

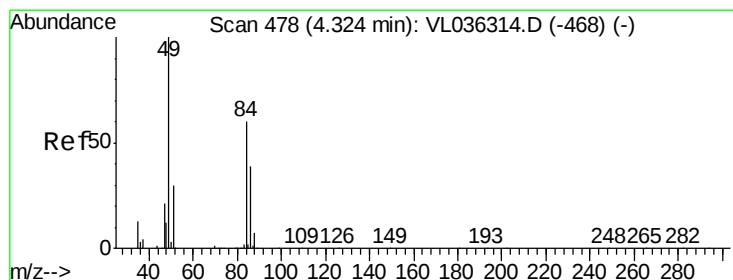
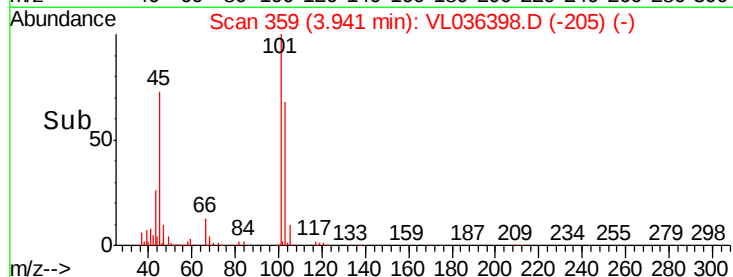
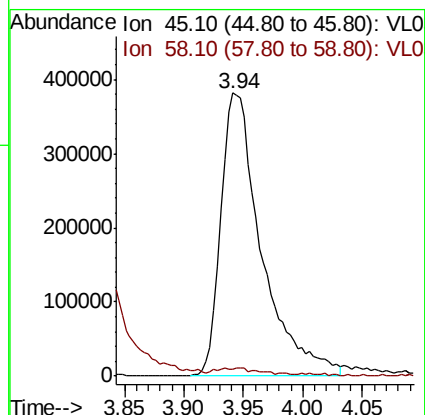
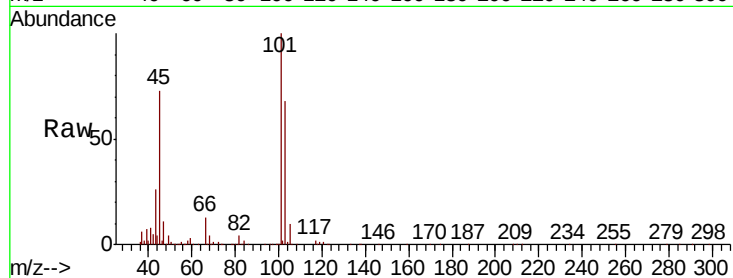
ClientSampled :

Tot Ion: 45 Resp: 902113

Ion Ratio Lower Upper

45 100

58 3.8 1.9 2.9#



#20

Methylene Chloride

Concen: 10.781 ppbv

RT: 4.32 min Scan# 476

Delta R.T. -0.01 min

Lab File: VL036398.D

Acq: 26 Feb 2021 12:16

Tgt Ion: 84 Resp: 617896

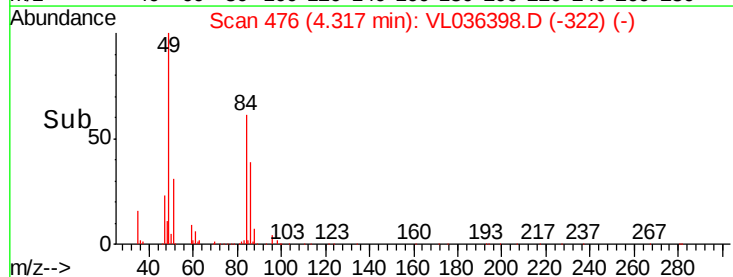
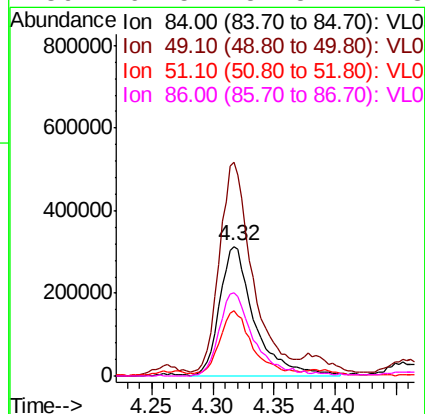
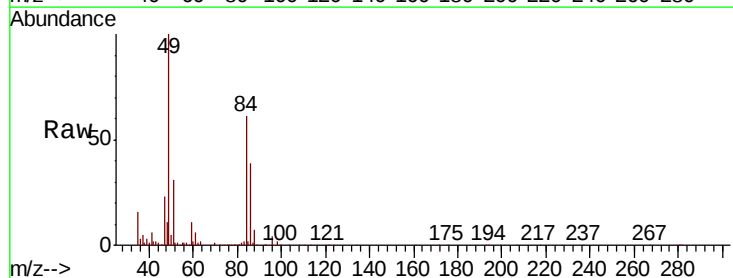
Ion Ratio Lower Upper

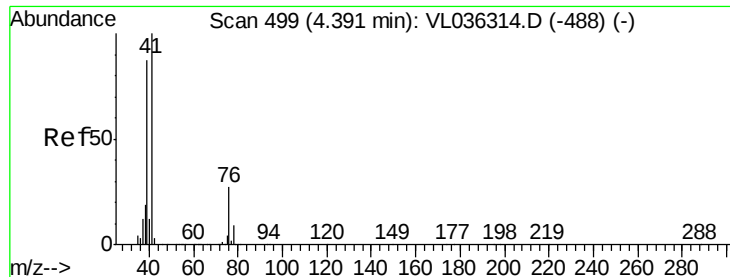
84 100

49 163.1 133.8 200.8

51 49.4 41.4 62.0

86 64.5 51.5 77.3

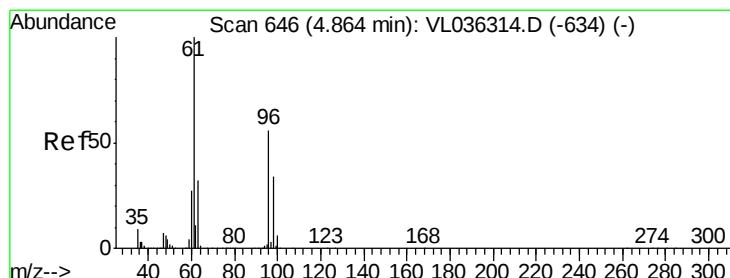
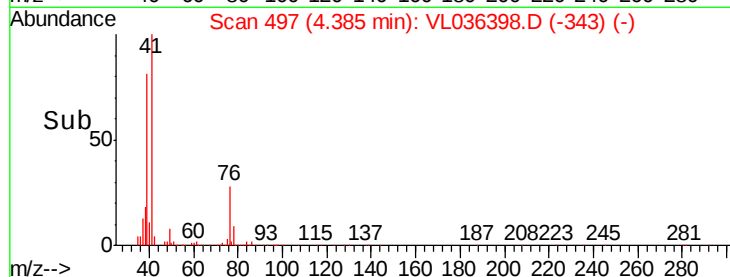
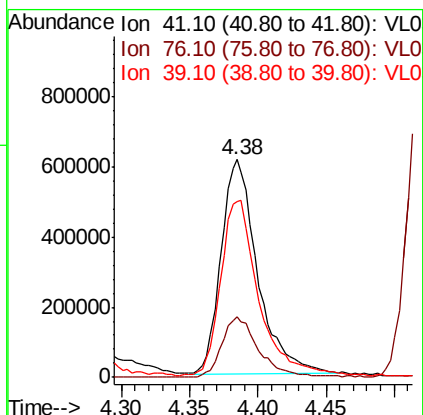
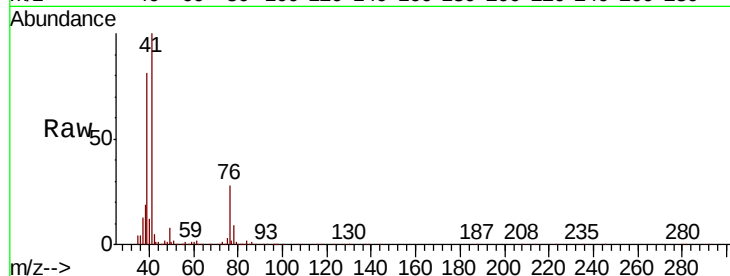




#21
Allvl Chloride
Concen: 11.513 ppbv
RT: 4.38 min Scan# 497
Delta R.T. -0.01 min
Lab File: VL036398.D
Acq: 26 Feb 2021 12:16

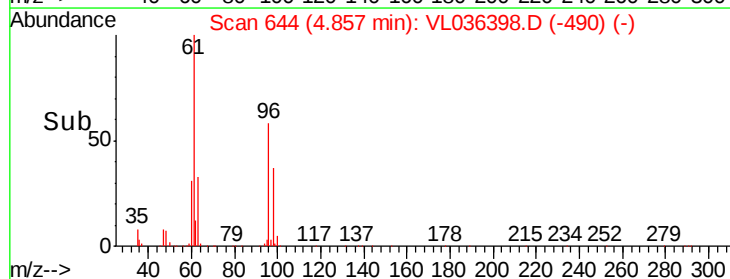
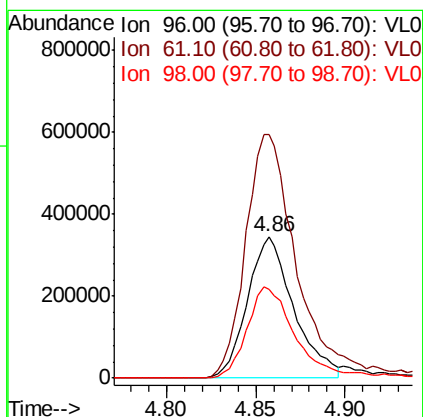
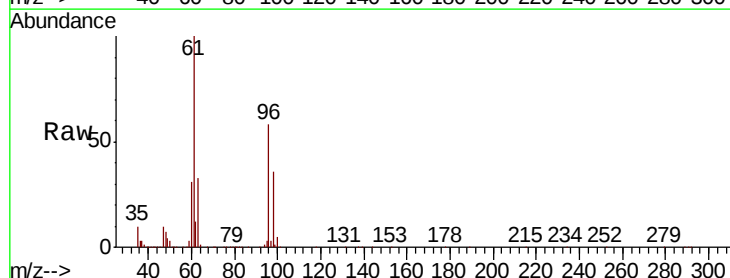
Instrument :
MSVOA_L
ClientSampleId :

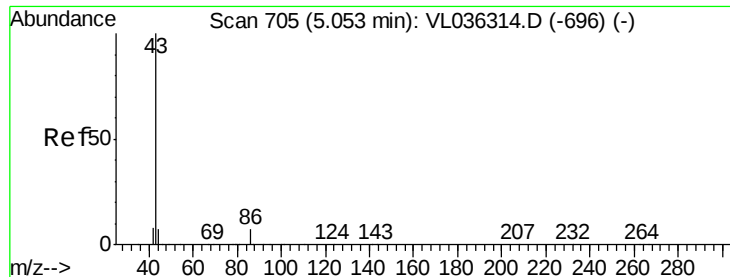
Tot Ion: 41 Resp: 1138647
Ion Ratio Lower Upper
41 100
76 28.6 22.0 33.0
39 89.0 70.2 105.2



#22
trans-1,2-Dichloroethene
Concen: 11.545 ppbv
RT: 4.86 min Scan# 644
Delta R.T. -0.01 min
Lab File: VL036398.D
Acq: 26 Feb 2021 12:16

Tgt Ion: 96 Resp: 626975
Ion Ratio Lower Upper
96 100
61 172.2 143.7 215.5
98 62.6 48.5 72.7





#23

Vinyl Acetate

Concen: 11.984 ppbv

RT: 5.05 min Scan# 703

Delta R.T. -0.01 min

Lab File: VL036398.D

Acq: 26 Feb 2021 12:16

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 2503181

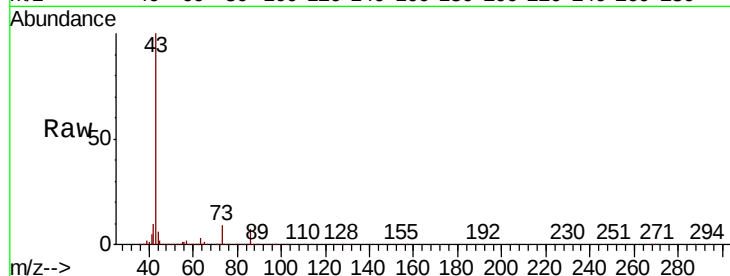
Ion	Ratio	Lower	Upper
43	100		
86	6.5	4.8	7.2
42	9.5	7.4	11.0
44	5.5	4.8	7.2

43 100

86 6.5 4.8 7.2

42 9.5 7.4 11.0

44 5.5 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

1500000

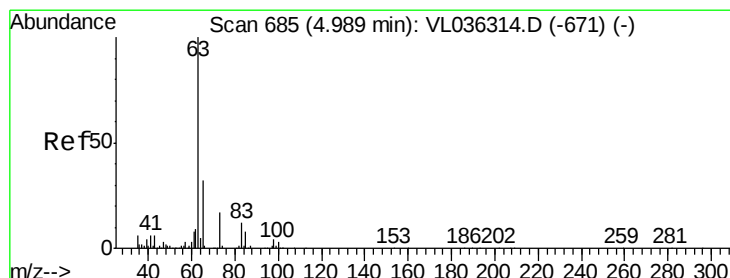
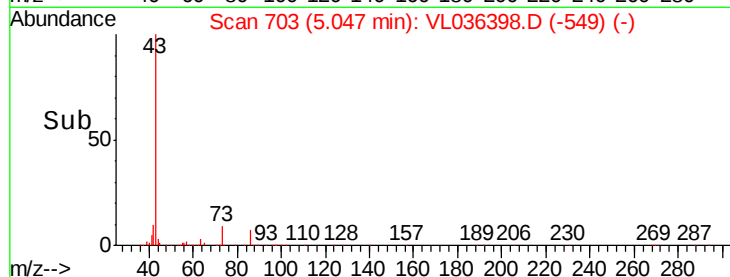
1000000

500000

0

5.00 5.05 5.10 5.15

Time-->



#24

1,1-Dichloroethane

Concen: 11.860 ppbv

RT: 4.98 min Scan# 683

Delta R.T. -0.01 min

Lab File: VL036398.D

Acq: 26 Feb 2021 12:16

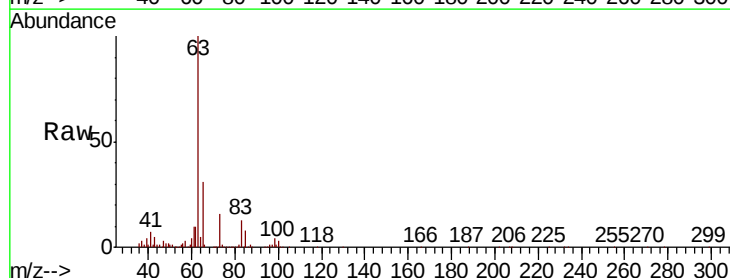
Tgt Ion: 63 Resp: 1832080

Ion	Ratio	Lower	Upper
63	100		
98	3.9	2.0	6.0
100	2.5	1.5	4.4

63 100

98 3.9 2.0 6.0

100 2.5 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

1200000

1000000

800000

600000

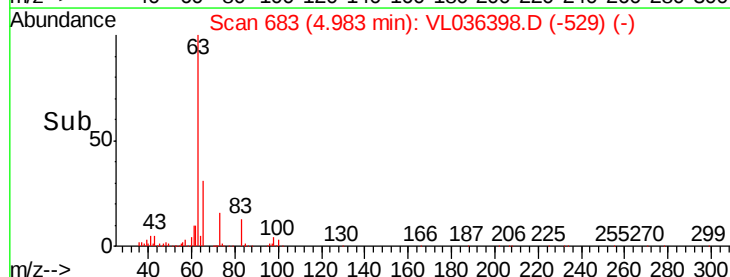
400000

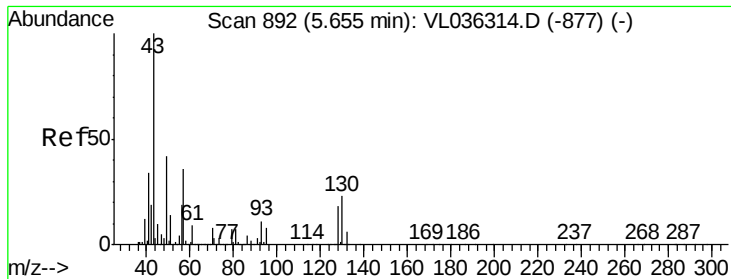
200000

0

4.90 4.95 5.00 5.05 5.10

Time-->

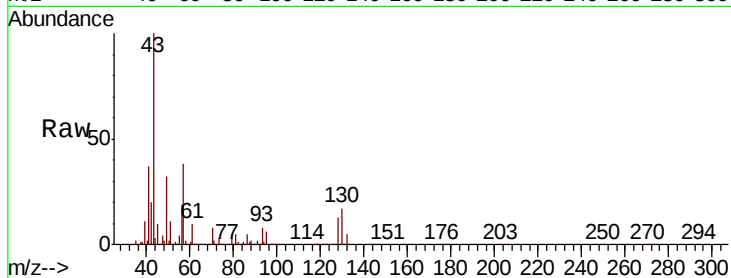




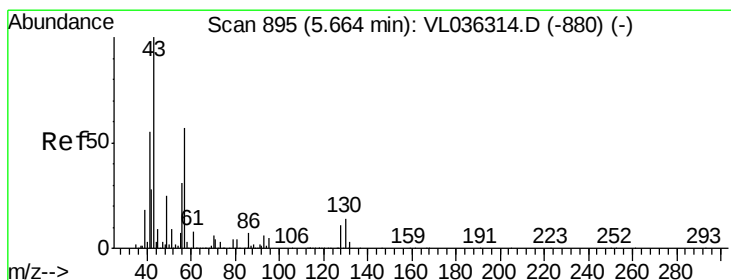
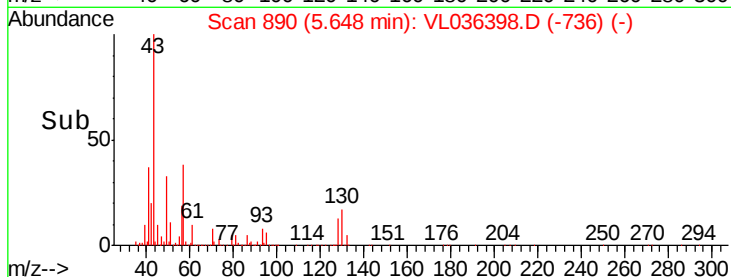
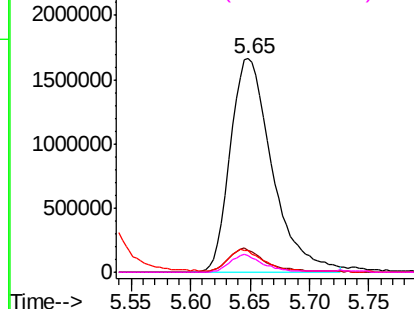
#25
Ethyl Acetate
Concen: 11.784 ppbv
RT: 5.65 min Scan# 890
Delta R.T. -0.01 min
Lab File: VL036398.D
Acq: 26 Feb 2021 12:16

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 43 Resp: 4041143
Ion Ratio Lower Upper
43 100
45 10.2 8.3 12.5
61 9.7 7.3 10.9
70 6.8 5.4 8.0

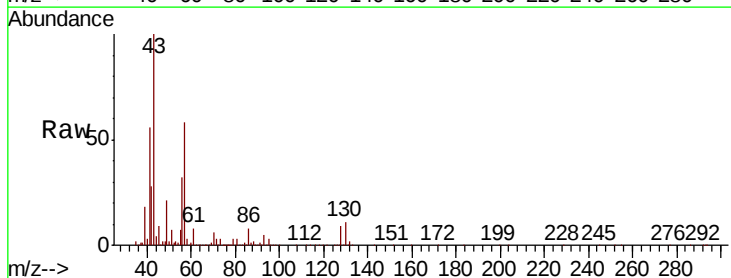


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

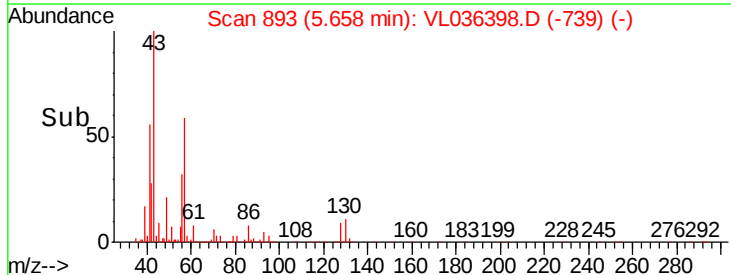
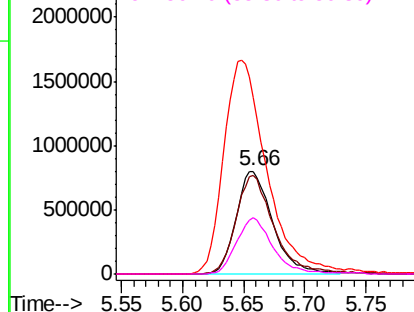


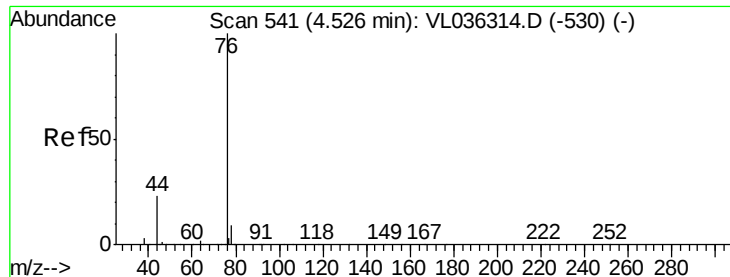
#26
Hexane
Concen: 11.794 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.01 min
Lab File: VL036398.D
Acq: 26 Feb 2021 12:16

Tgt Ion: 57 Resp: 1661859
Ion Ratio Lower Upper
57 100
41 100.6 81.7 122.5
43 248.2 199.1 298.7
56 54.8 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: 13.701 ppbv

RT: 4.52 min Scan# 540

Delta R.T. -0.00 min

Lab File: VL036398.D

Acq: 26 Feb 2021 12:16

Instrument :

MSVOA_L

ClientSampled :

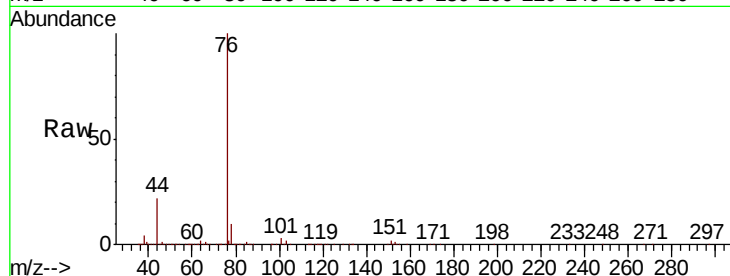
Tot Ion: 76 Resp: 1774312

Ion Ratio Lower Upper

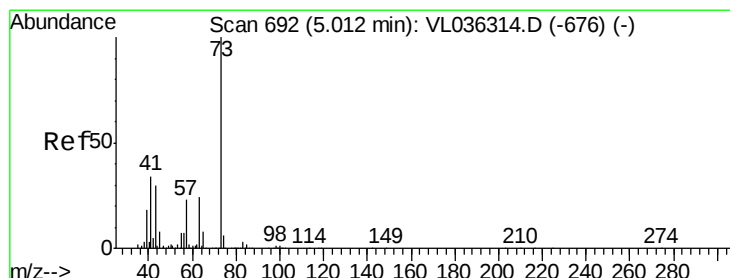
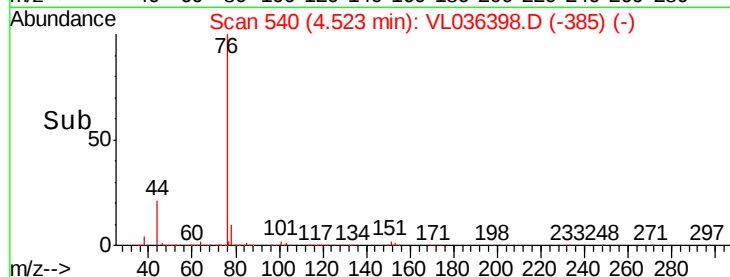
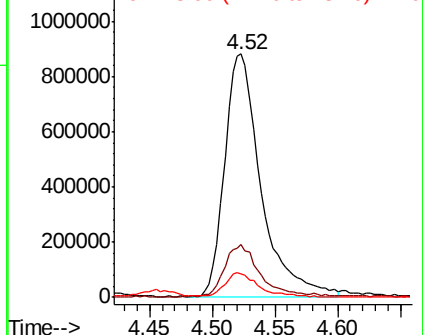
76 100

44 21.7 18.4 27.6

78 10.0 8.0 12.0



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 11.987 ppbv

RT: 5.01 min Scan# 690

Delta R.T. -0.01 min

Lab File: VL036398.D

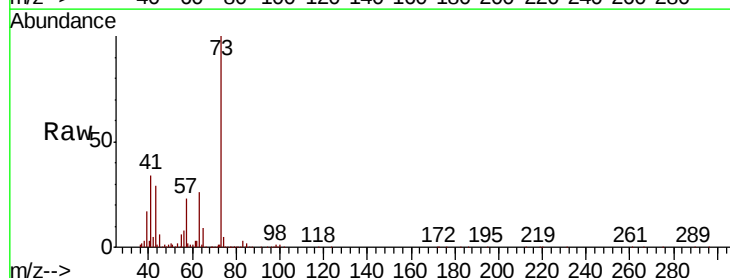
Acq: 26 Feb 2021 12:16

Tgt Ion: 73 Resp: 2206524

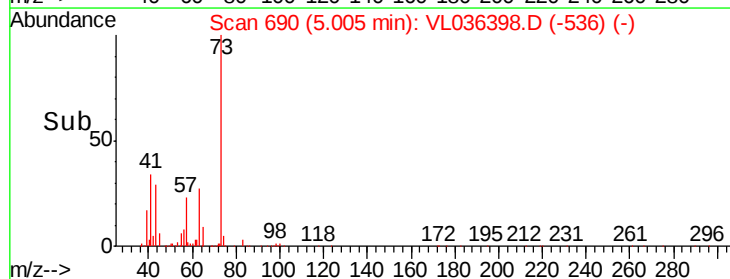
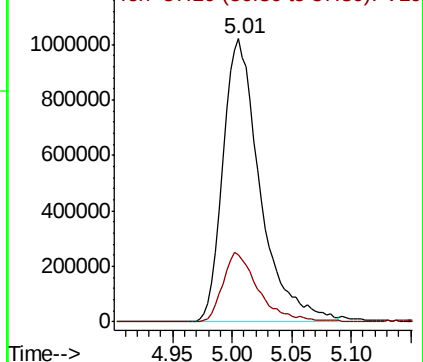
Ion Ratio Lower Upper

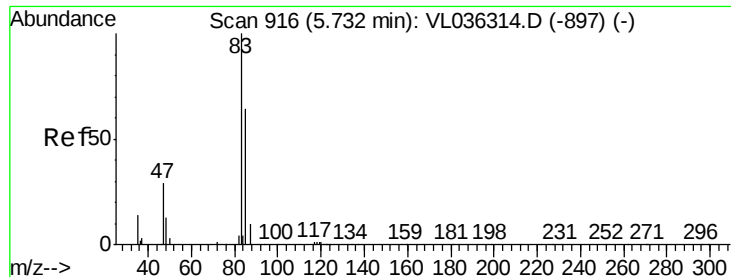
73 100

57 23.8 19.2 28.8



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 11.607 ppbv

RT: 5.72 min Scan# 913

Delta R.T. -0.01 min

Lab File: VL036398.D

Acq: 26 Feb 2021 12:16

Instrument :

MSVOA_L

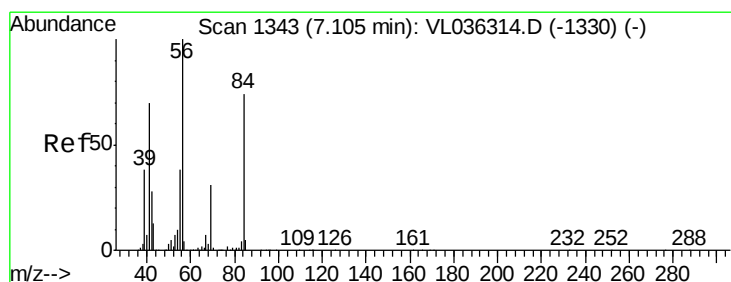
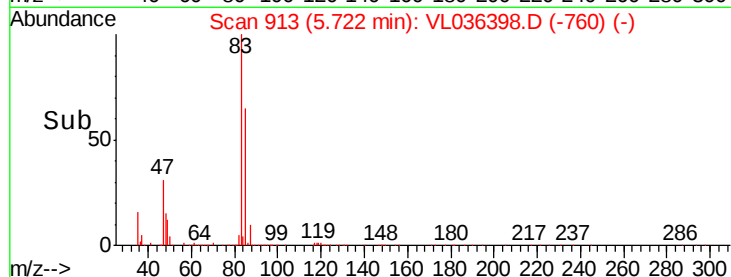
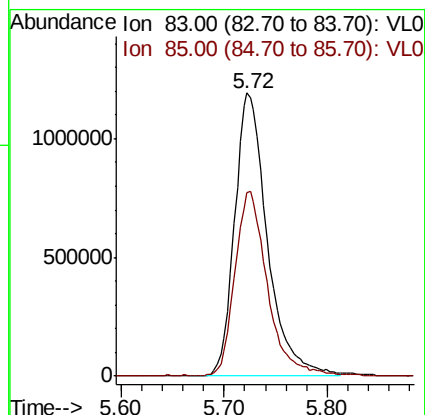
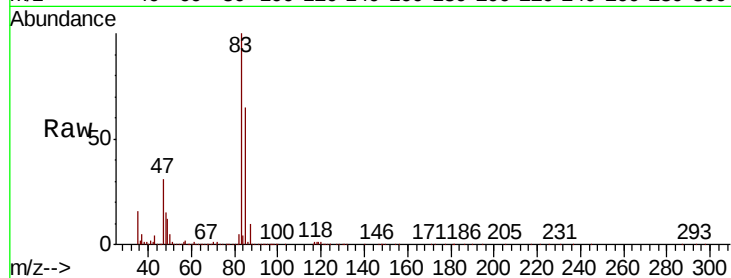
ClientSampleId :

Tot Ion: 83 Resp: 2634849

Ion Ratio Lower Upper

83 100

85 64.6 51.4 77.2



#30

Cyclohexane

Concen: 11.568 ppbv

RT: 7.10 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VL036398.D

Acq: 26 Feb 2021 12:16

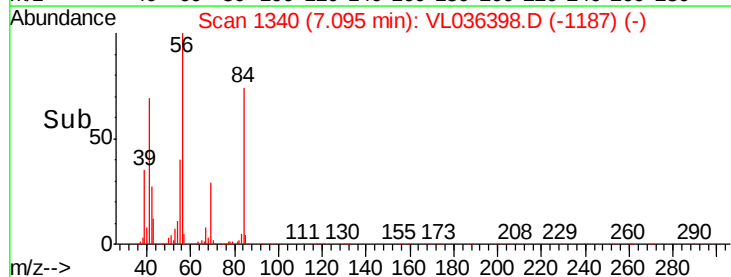
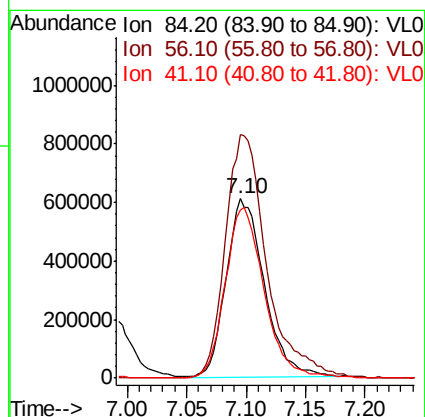
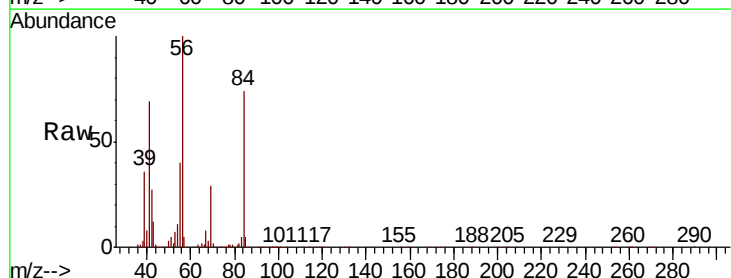
Tgt Ion: 84 Resp: 1355581

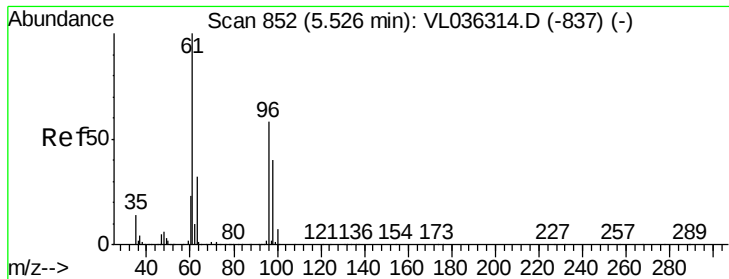
Ion Ratio Lower Upper

84 100

56 149.3 120.2 180.4

41 97.4 79.7 119.5



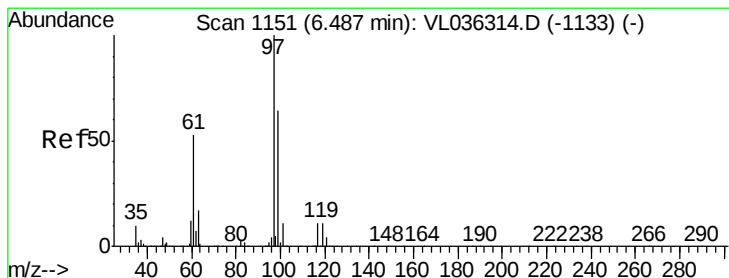
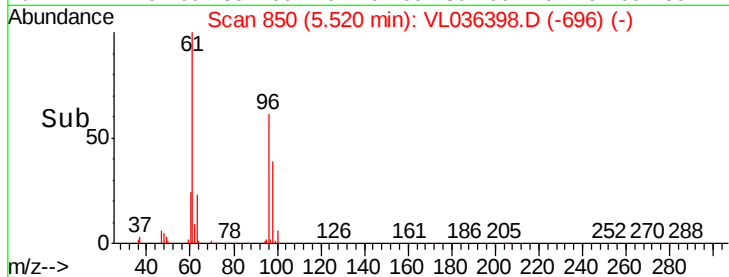
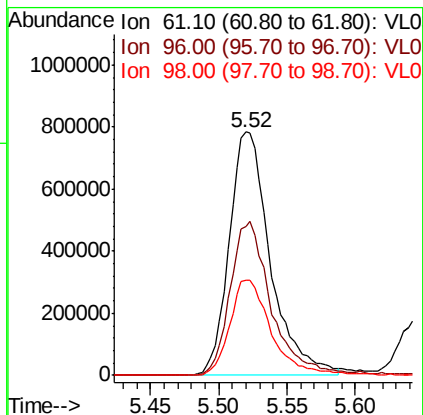
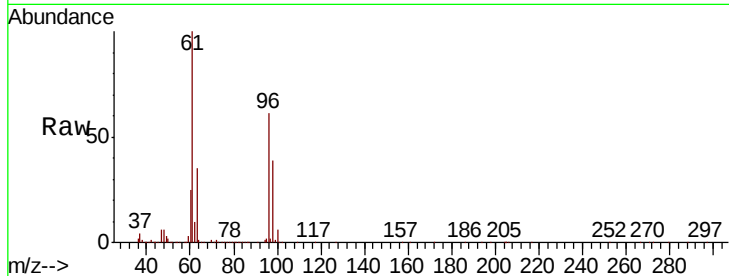


#31

cis-1,2-Dichloroethene
 Concen: 11.760 ppbv
 RT: 5.52 min Scan# 850
 Delta R.T. -0.01 min
 Lab File: VL036398.D
 Acq: 26 Feb 2021 12:16

Instrument :
 MSVOA_L
 ClientSampleId :

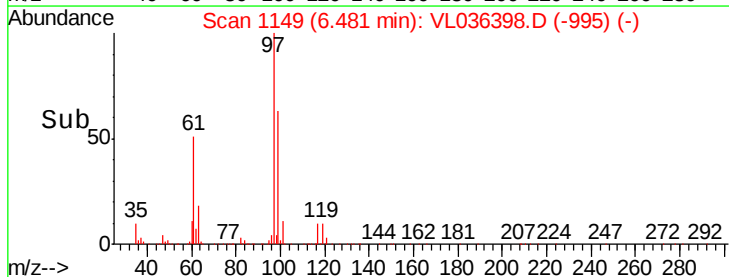
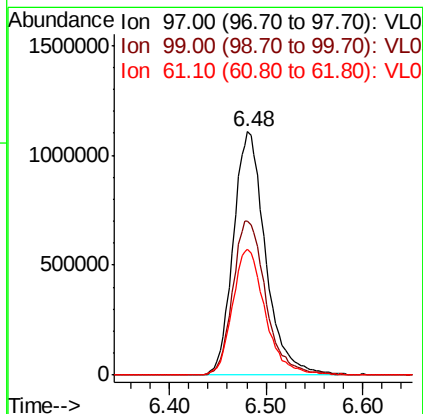
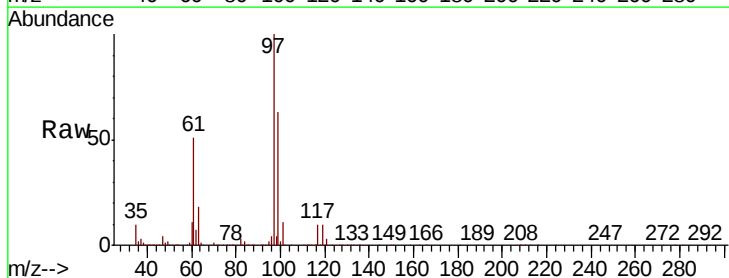
Tot Ion	Ratio	Lower	Upper
61	100		
96	60.9	46.0	69.0
98	39.3	31.9	47.9

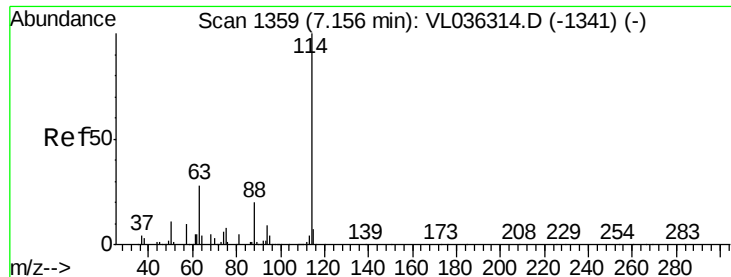


#32

1,1,1-Trichloroethane
 Concen: 12.052 ppbv
 RT: 6.48 min Scan# 1149
 Delta R.T. -0.01 min
 Lab File: VL036398.D
 Acq: 26 Feb 2021 12:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	52.2	78.4
61	52.8	43.3	64.9

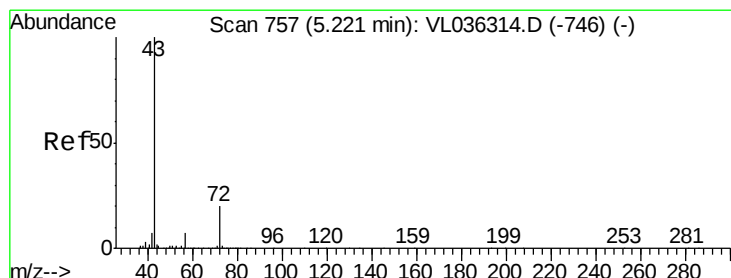
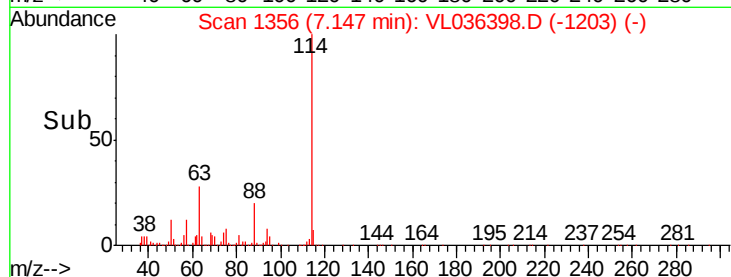
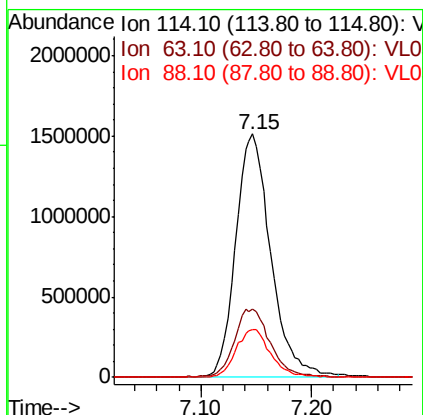
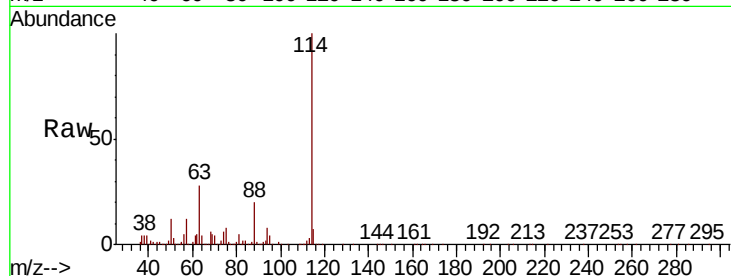




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1356
 Delta R.T. -0.01 min
 Lab File: VL036398.D
 Acq: 26 Feb 2021 12:16

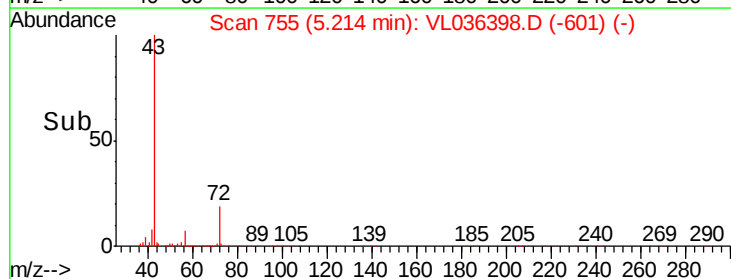
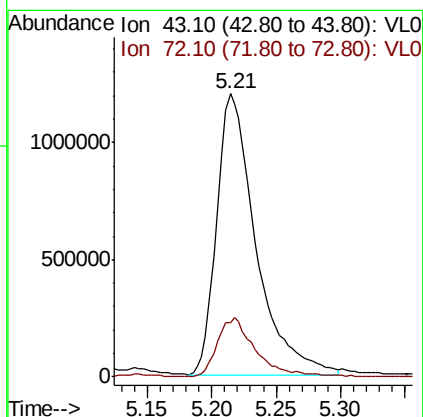
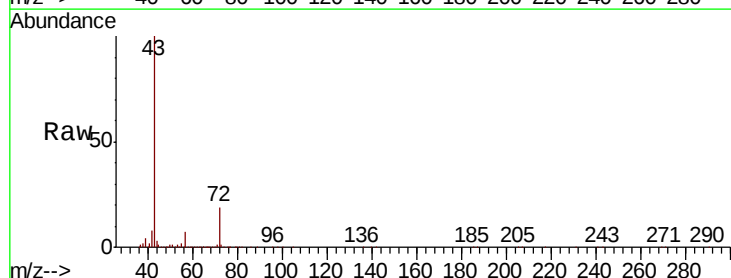
Instrument :
 MSVOA_L
 ClientSampleId :

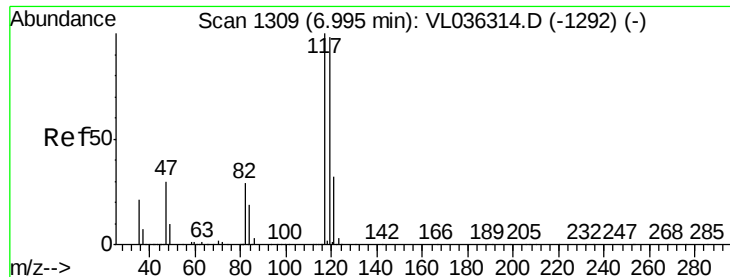
Tot Ion:114 Resp: 3337603
 Ion Ratio Lower Upper
 114 100
 63 29.1 24.1 36.1
 88 19.7 16.0 24.0



#34
 2-Butanone
 Concen: 11.383 ppbv
 RT: 5.21 min Scan# 755
 Delta R.T. -0.01 min
 Lab File: VL036398.D
 Acq: 26 Feb 2021 12:16

Tgt Ion: 43 Resp: 2524308
 Ion Ratio Lower Upper
 43 100
 72 20.7 16.7 25.1





#35

Carbon Tetrachloride

Concen: 11.767 ppbv

RT: 6.99 min Scan# 1306

Delta R.T. -0.01 min

Lab File: VL036398.D

Acq: 26 Feb 2021 12:16

Instrument :

MSVOA_L

ClientSampleId :

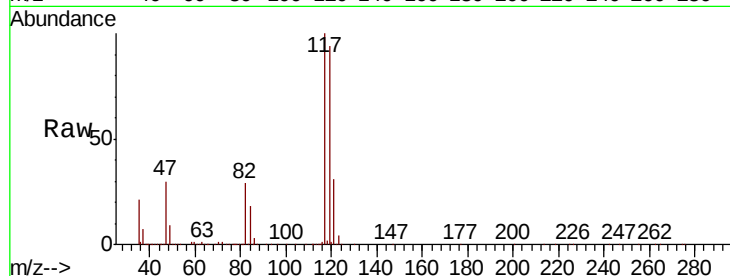
Tot Ion:117 Resp: 2632226

Ion Ratio Lower Upper

117 100

119 94.2 78.1 117.1

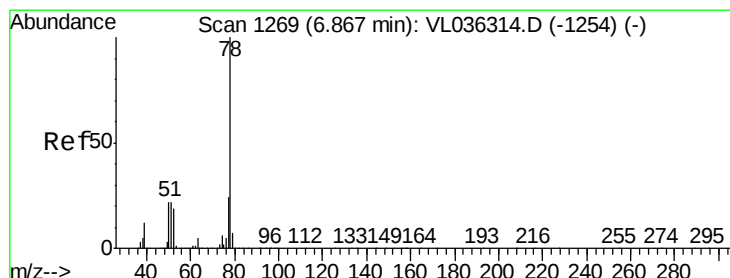
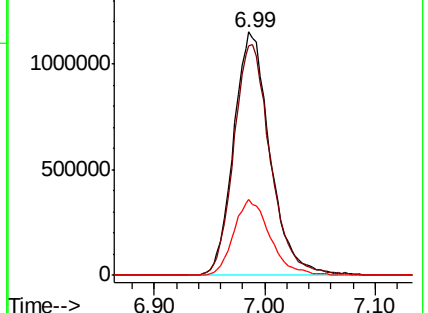
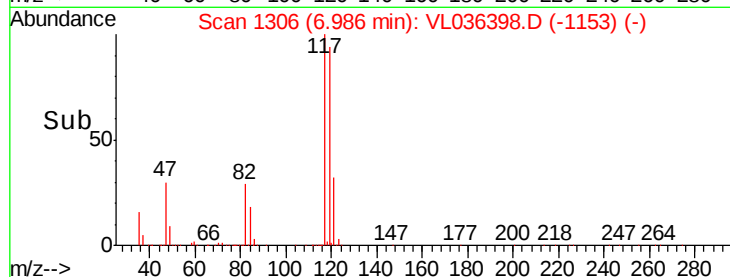
121 31.2 25.8 38.8



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: 12.002 ppbv

RT: 6.86 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VL036398.D

Acq: 26 Feb 2021 12:16

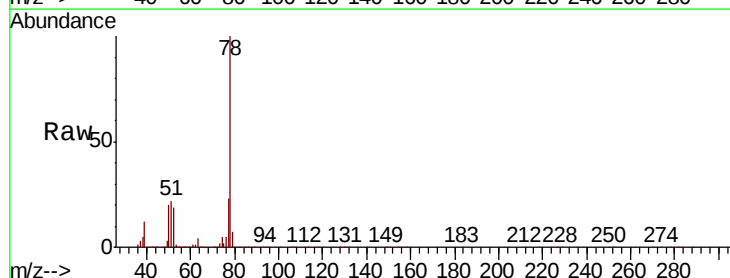
Tgt Ion: 78 Resp: 3402919

Ion Ratio Lower Upper

78 100

77 22.7 18.9 28.3

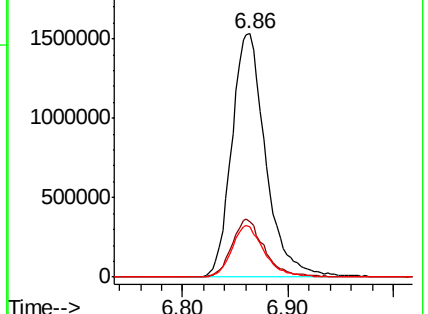
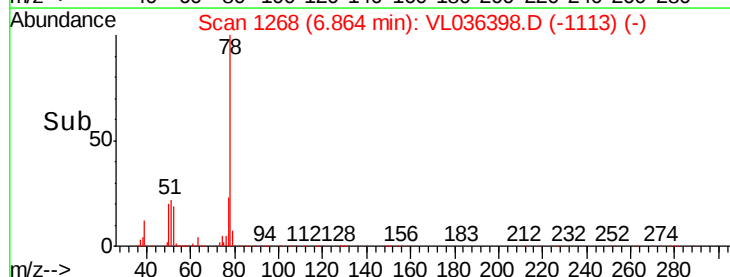
50 20.4 17.3 25.9

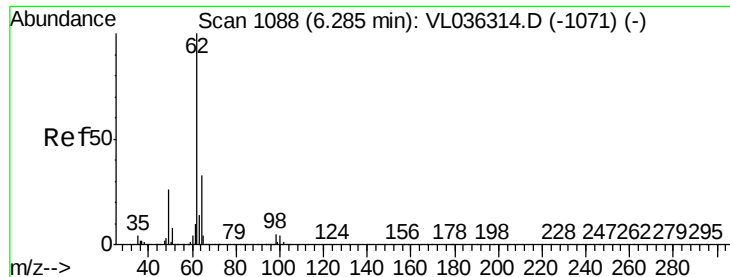


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

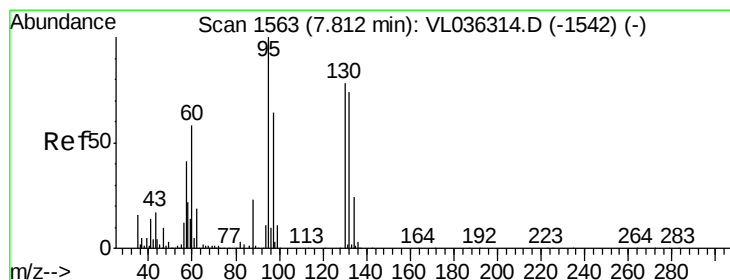
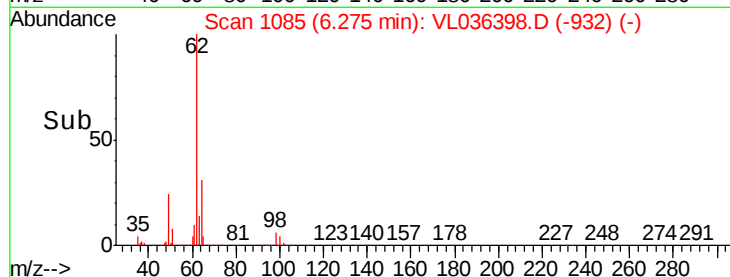
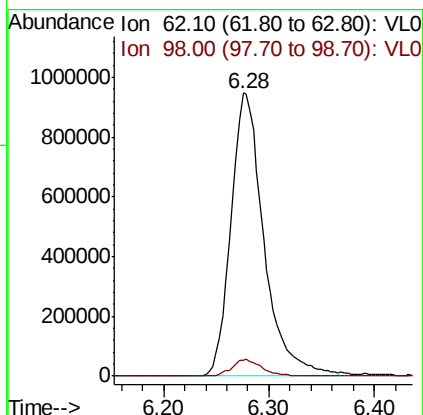
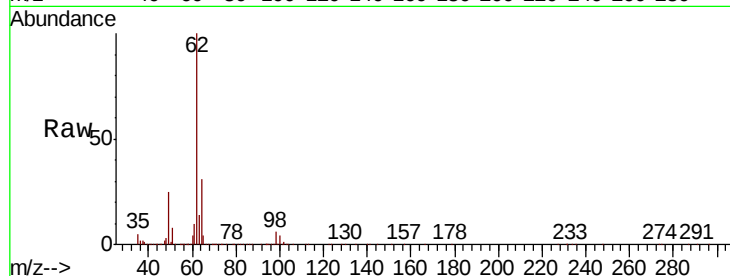




#37
 1,2-Dichloroethane
 Concen: 11.695 ppbv
 RT: 6.28 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VL036398.D
 Acq: 26 Feb 2021 12:16

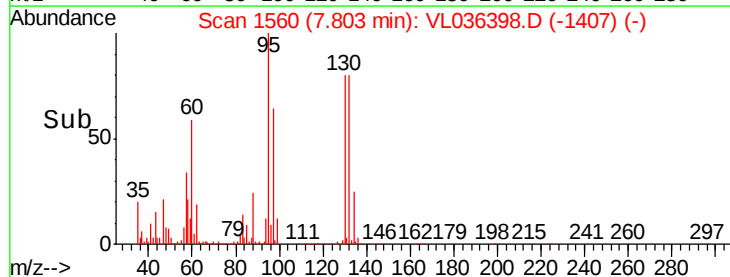
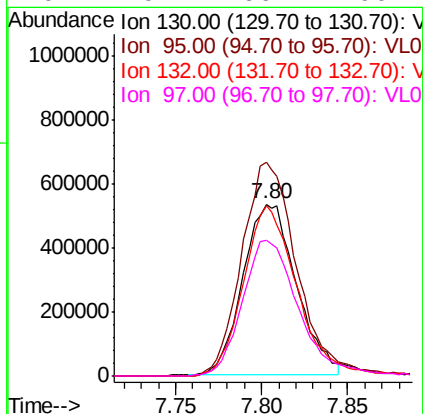
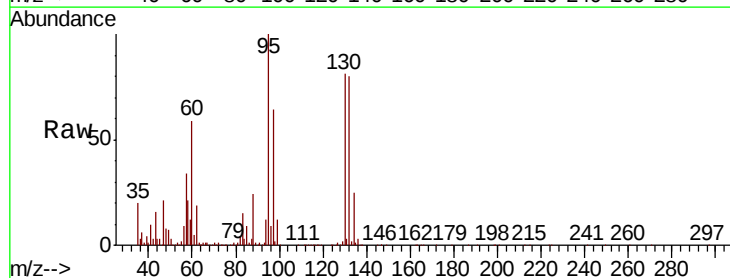
Instrument :
 MSVOA_L
 ClientSampleId :

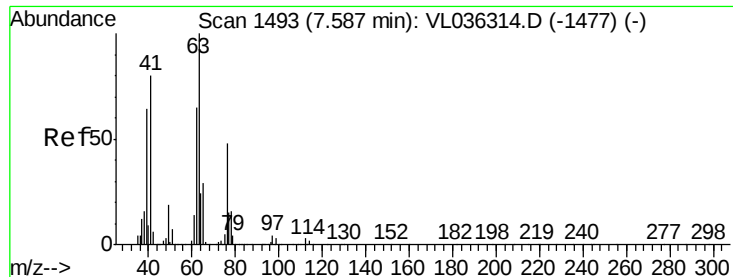
Tot Ion: 62 Resp: 2050054
 Ion Ratio Lower Upper
 62 100
 98 5.5 4.5 6.7



#38
 Trichloroethene
 Concen: 11.324 ppbv
 RT: 7.80 min Scan# 1560
 Delta R.T. -0.01 min
 Lab File: VL036398.D
 Acq: 26 Feb 2021 12:16

Tgt Ion: 130 Resp: 1150202
 Ion Ratio Lower Upper
 130 100
 95 124.7 102.8 154.2
 132 99.2 75.7 113.5
 97 79.1 66.2 99.2

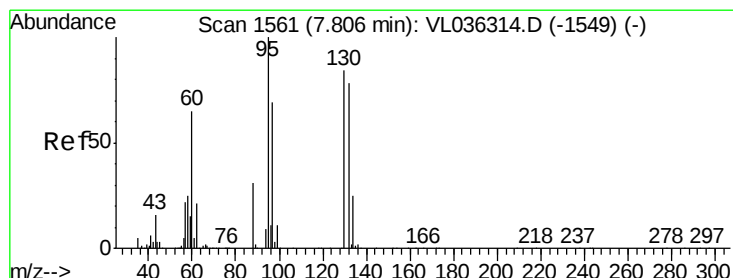
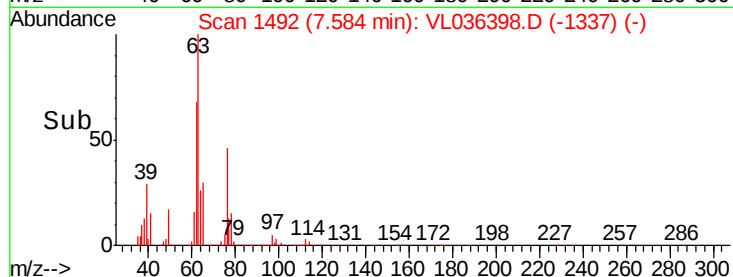
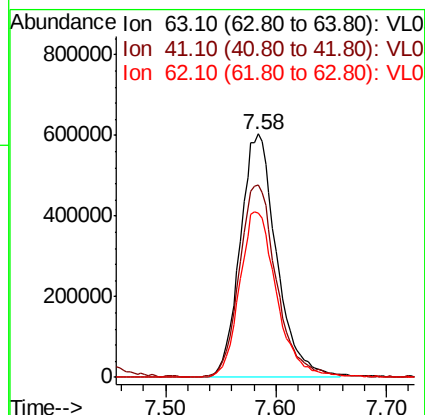
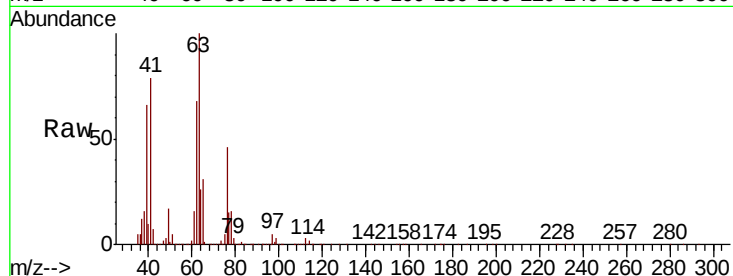




#39
 1,2-Dichloropropane
 Concen: 11.985 ppbv
 RT: 7.58 min Scan# 1492
 Delta R.T. -0.00 min
 Lab File: VL036398.D
 Acq: 26 Feb 2021 12:16

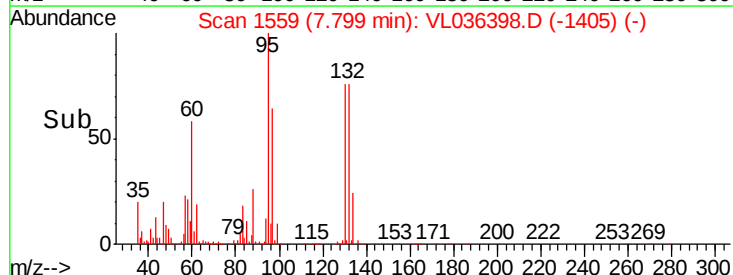
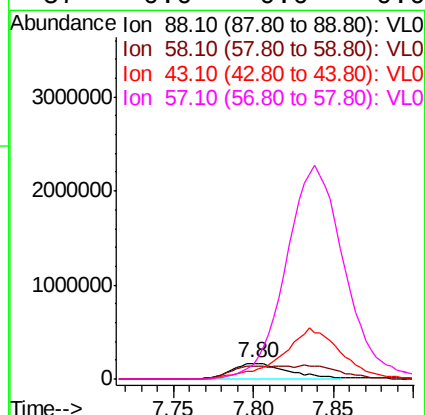
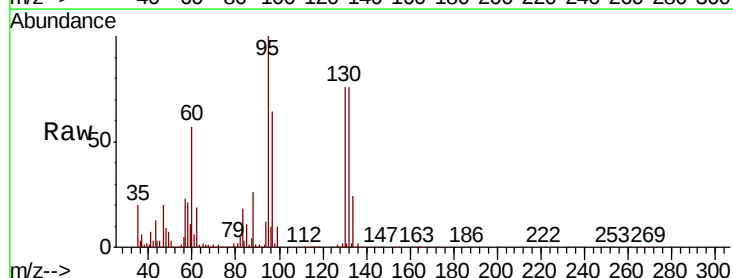
Instrument :
 MSVOA_L
 ClientSampleId :

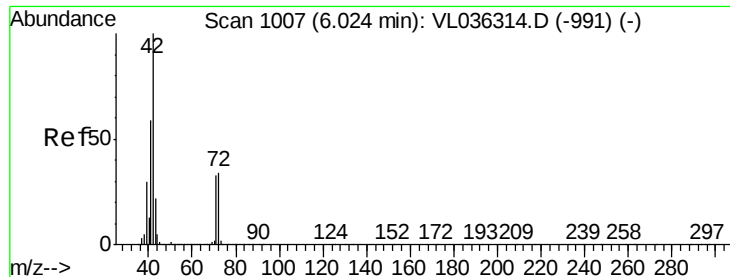
Tot Ion: 63 Resp: 1380371
 Ion Ratio Lower Upper
 63 100
 41 78.6 63.8 95.6
 62 67.7 52.3 78.5



#40
 1,4-Dioxane
 Concen: 10.027 ppbv
 RT: 7.80 min Scan# 1559
 Delta R.T. -0.01 min
 Lab File: VL036398.D
 Acq: 26 Feb 2021 12:16

Tgt Ion: 88 Resp: 400124
 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: 12.169 ppbv

RT: 6.02 min Scan# 1005

Delta R.T. -0.01 min

Lab File: VL036398.D

Acq: 26 Feb 2021 12:16

Instrument :

MSVOA_L

ClientSampleId :

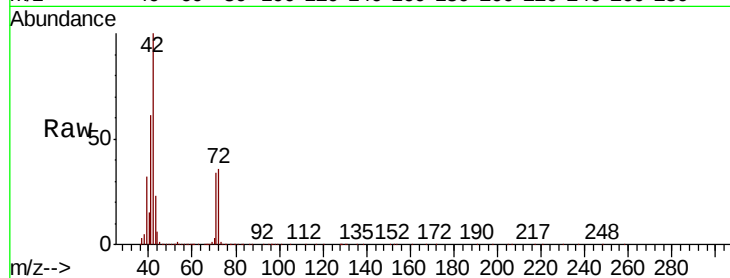
Tot Ion: 42 Resp: 1505956

Ion Ratio Lower Upper

42 100

72 35.9 29.3 43.9

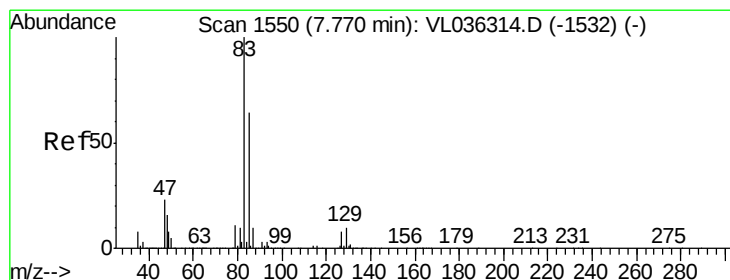
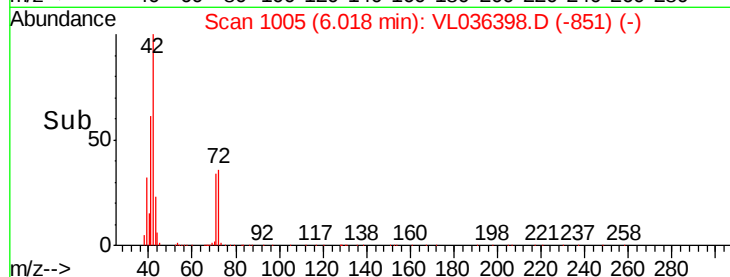
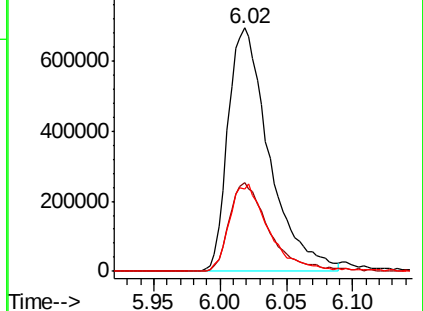
71 35.1 27.8 41.8



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 12.033 ppbv

RT: 7.76 min Scan# 1548

Delta R.T. -0.01 min

Lab File: VL036398.D

Acq: 26 Feb 2021 12:16

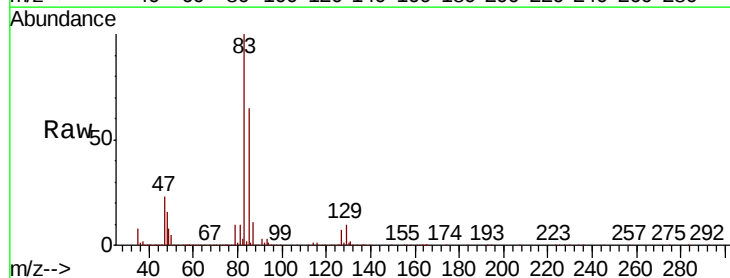
Tgt Ion: 83 Resp: 2824843

Ion Ratio Lower Upper

83 100

85 64.9 51.1 76.7

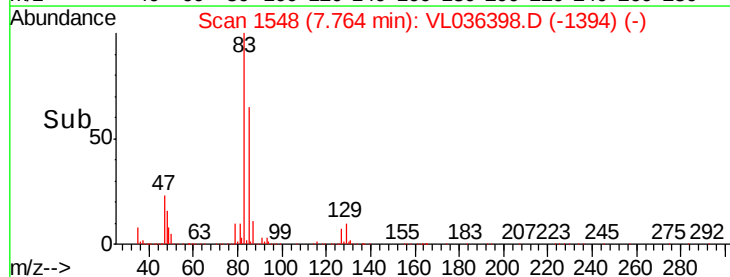
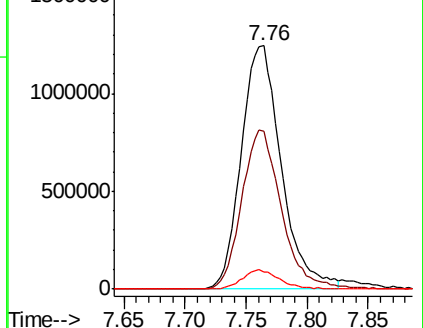
127 6.9 6.3 9.5

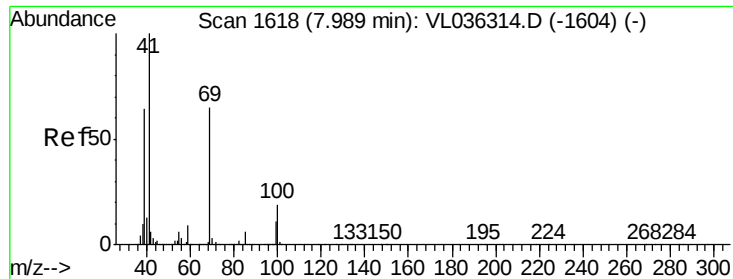


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 12.690 ppbv

RT: 7.98 min Scan# 1616

Delta R.T. -0.01 min

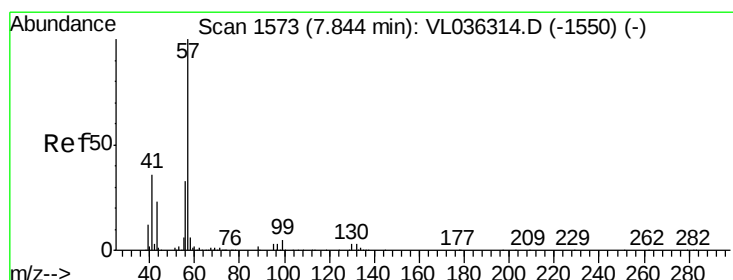
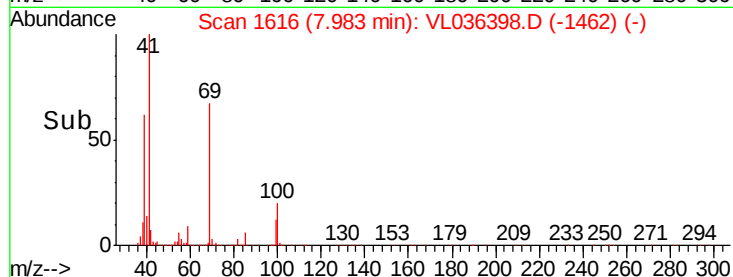
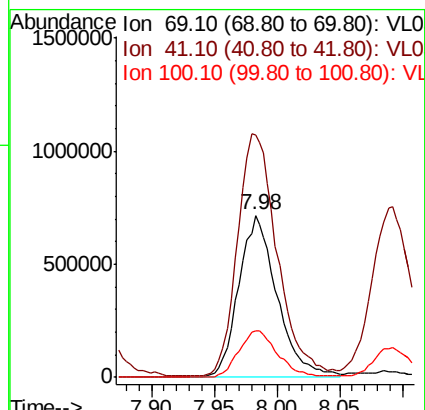
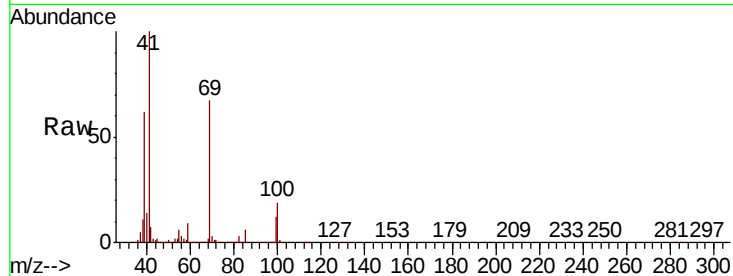
Lab File: VL036398.D

Acq: 26 Feb 2021 12:16

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 69 Resp: 1517331

Ion	Ratio	Lower	Upper
69	100		
41	157.5	126.5	189.7
100	29.3	23.1	34.7



#44

2,2,4-Trimethylpentane

Concen: 11.285 ppbv

RT: 7.84 min Scan# 1571

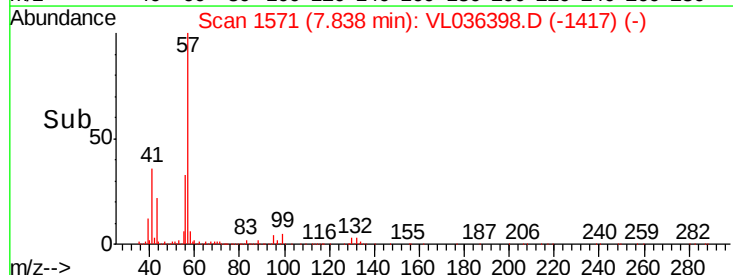
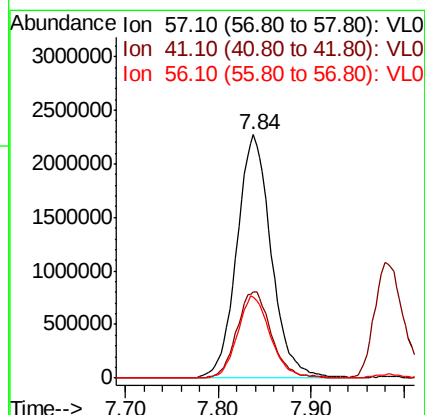
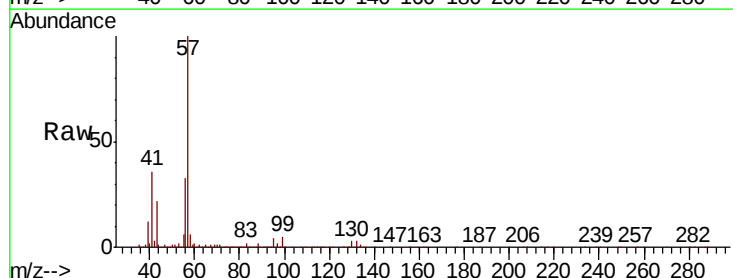
Delta R.T. -0.01 min

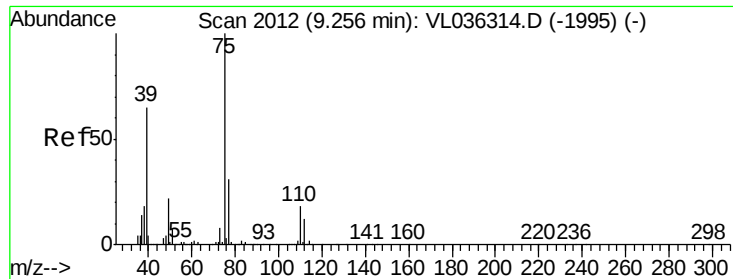
Lab File: VL036398.D

Acq: 26 Feb 2021 12:16

Tgt Ion: 57 Resp: 5817849

Ion	Ratio	Lower	Upper
57	100		
41	35.7	28.8	43.2
56	32.7	25.8	38.6





#45

t-1,3-Dichloropropene

Concen: 13.953 ppbv

RT: 9.25 min Scan# 2009

Delta R.T. -0.01 min

Lab File: VL036398.D

Acq: 26 Feb 2021 12:16

Instrument :

MSVOA_L

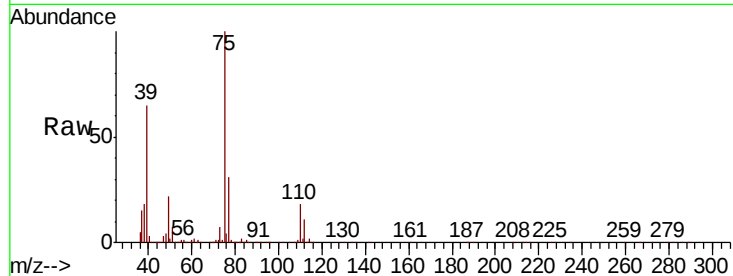
ClientSampleId :

Tot Ion: 75 Resp: 1609453

Ion Ratio Lower Upper

75 100

77 30.7 24.6 37.0



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.25

800000

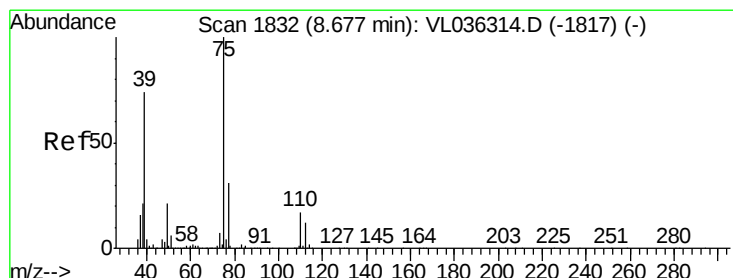
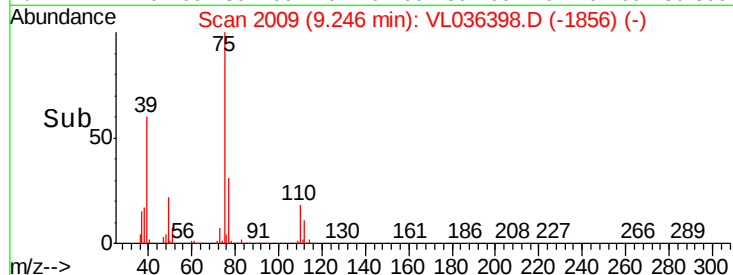
600000

400000

200000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 13.453 ppbv

RT: 8.67 min Scan# 1830

Delta R.T. -0.01 min

Lab File: VL036398.D

Acq: 26 Feb 2021 12:16

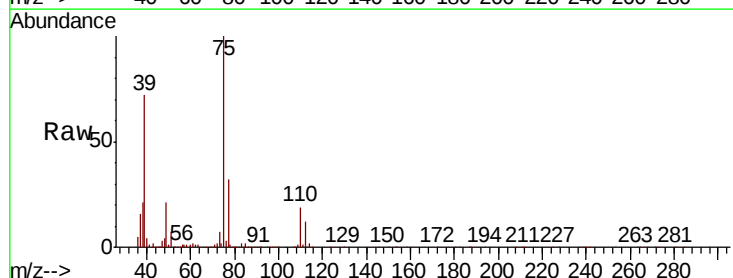
Tgt Ion: 75 Resp: 1971173

Ion Ratio Lower Upper

75 100

39 72.0 59.2 88.8

77 31.9 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

1200000

1000000

800000

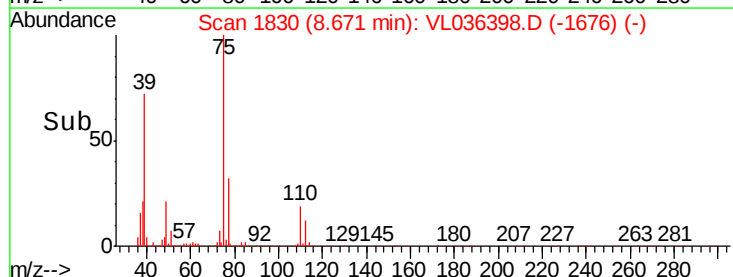
600000

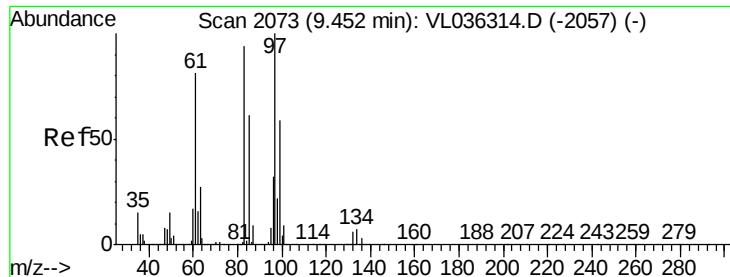
400000

200000

0

Time-->



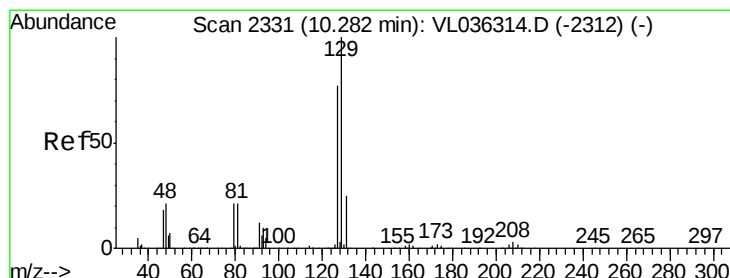
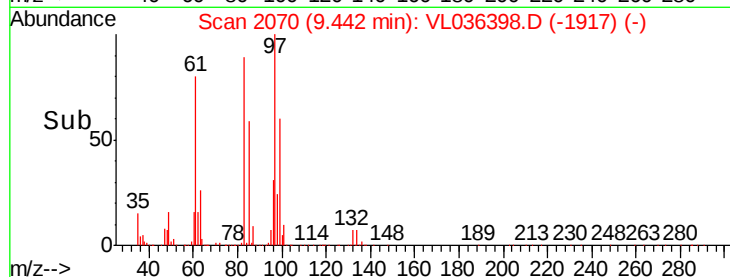
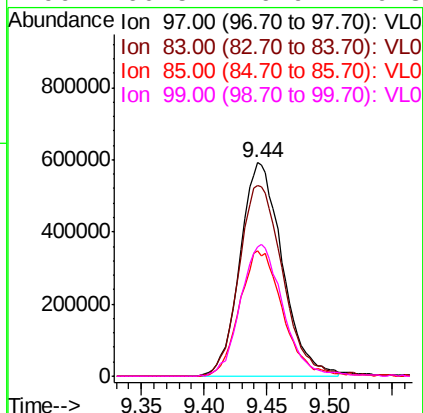
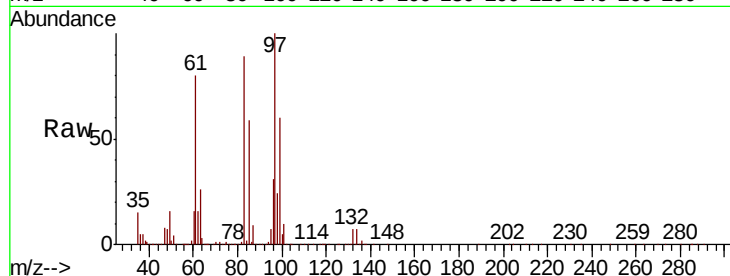


#47
 1,1,2-Trichloroethane
 Concen: 11.766 ppbv
 RT: 9.44 min Scan# 2070
 Delta R.T. -0.01 min
 Lab File: VL036398.D
 Acq: 26 Feb 2021 12:16

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 97 Resp: 1386783

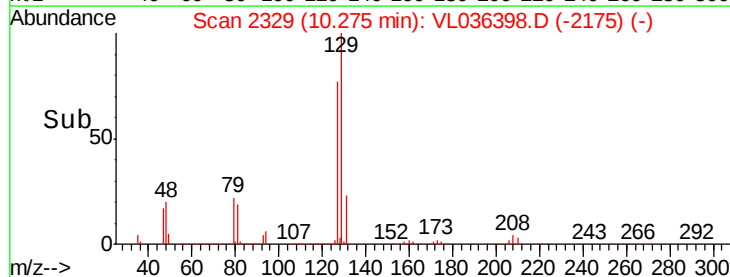
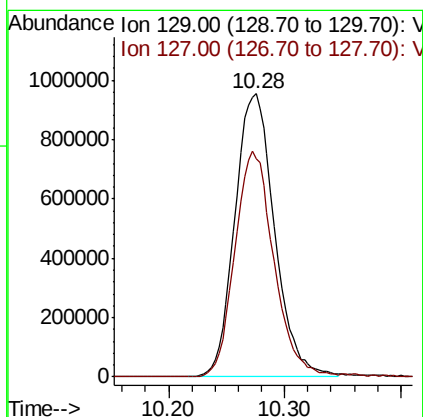
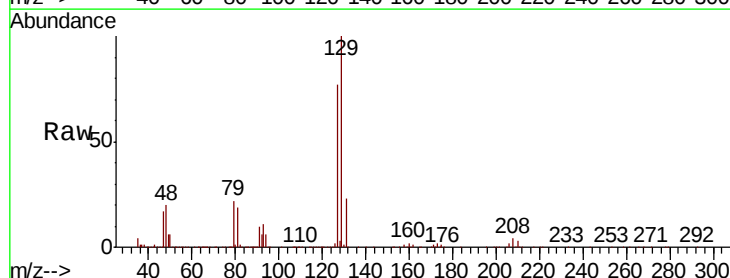
Ion	Ratio	Lower	Upper
97	100		
83	89.4	75.4	113.0
85	58.6	48.9	73.3
99	60.5	46.9	70.3

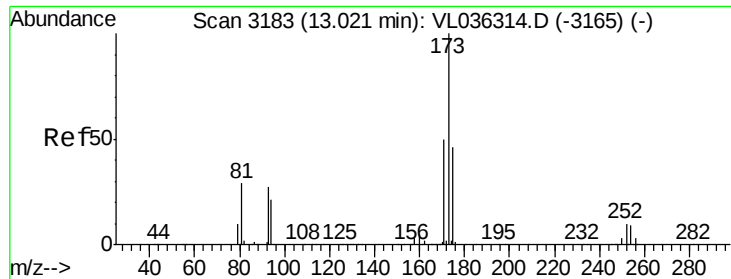


#48
 Dibromochloromethane
 Concen: 12.945 ppbv
 RT: 10.28 min Scan# 2329
 Delta R.T. -0.01 min
 Lab File: VL036398.D
 Acq: 26 Feb 2021 12:16

Tgt Ion: 129 Resp: 2276702

Ion	Ratio	Lower	Upper
129	100		
127	79.1	39.1	117.2





#49

Bromoform

Concen: 13.656 ppbv

RT: 13.01 min Scan# 3180

Delta R.T. -0.01 min

Lab File: VL036398.D

Acq: 26 Feb 2021 12:16

Instrument :

MSVOA_L

ClientSampleId :

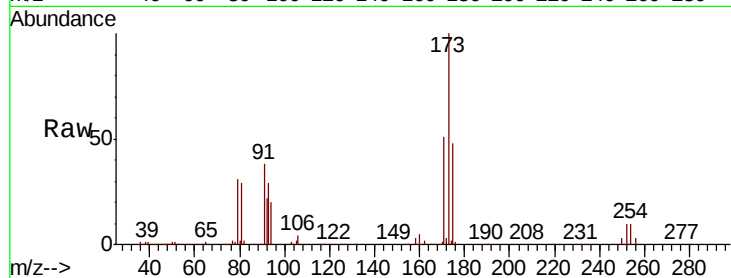
Tot Ion:173 Resp: 1941709

Ion Ratio Lower Upper

173 100

175 50.3 40.2 60.2

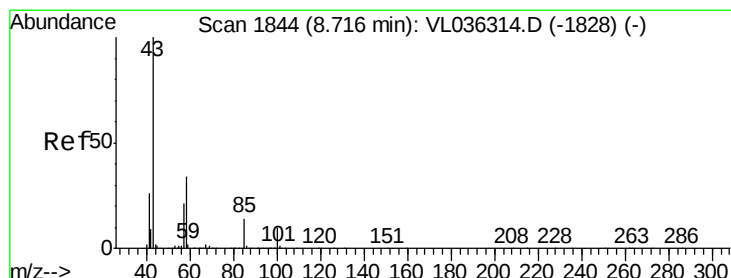
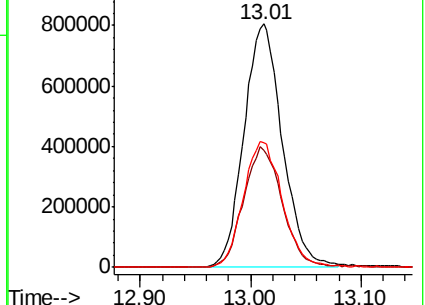
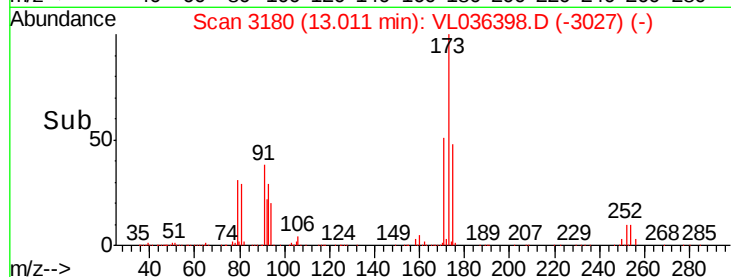
171 53.2 43.4 65.2



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: 12.066 ppbv

RT: 8.71 min Scan# 1842

Delta R.T. -0.01 min

Lab File: VL036398.D

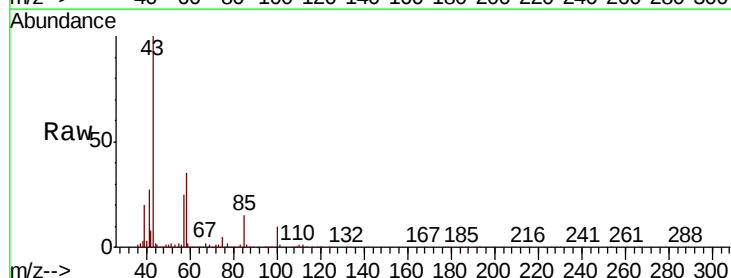
Acq: 26 Feb 2021 12:16

Tgt Ion: 43 Resp: 3972172

Ion Ratio Lower Upper

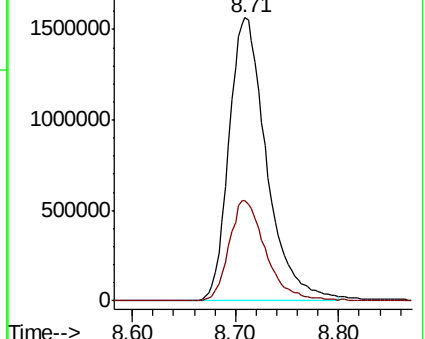
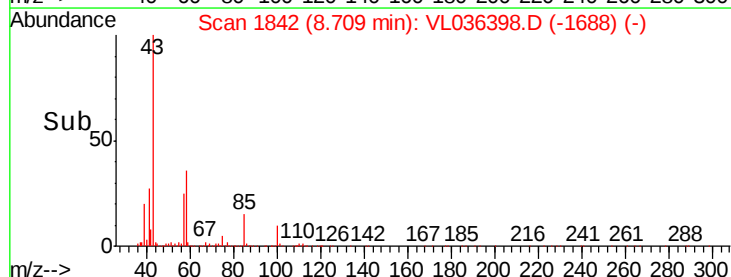
43 100

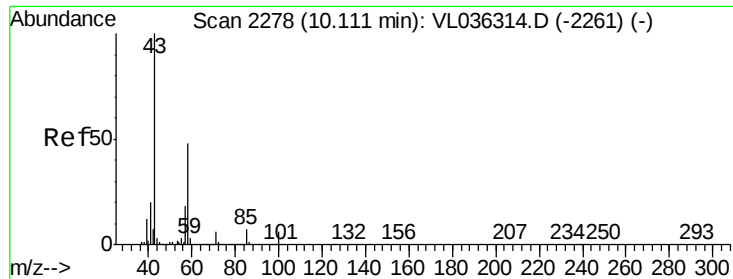
58 34.9 27.8 41.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

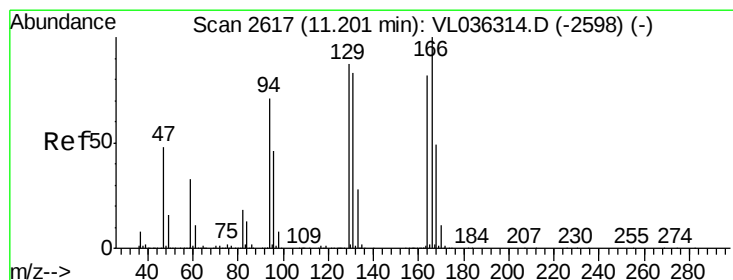
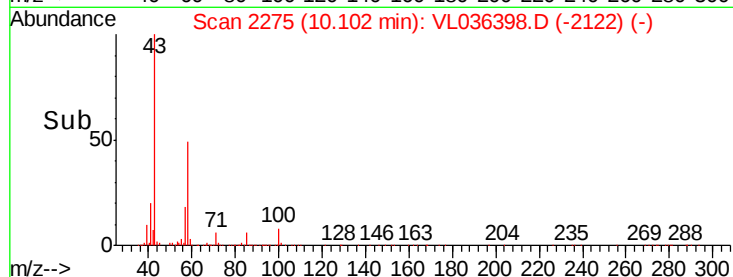
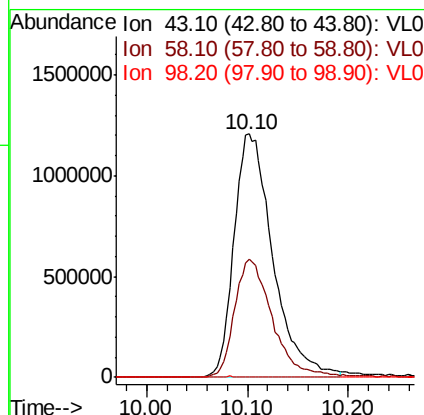
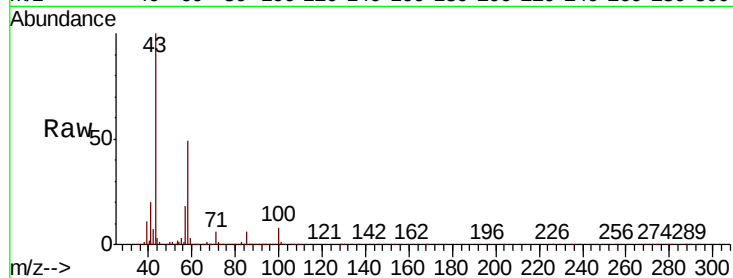




#51
2-Hexanone
Concen: 12.901 ppbv
RT: 10.10 min Scan# 2275
Delta R.T. -0.01 min
Lab File: VL036398.D
Acq: 26 Feb 2021 12:16

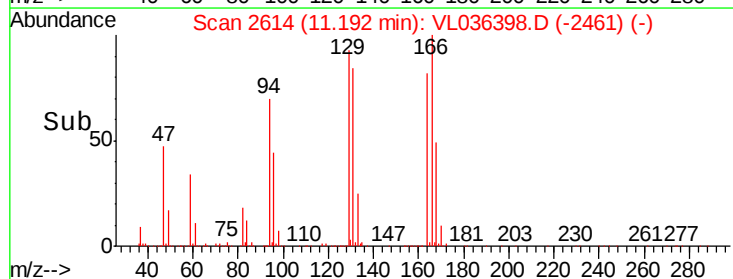
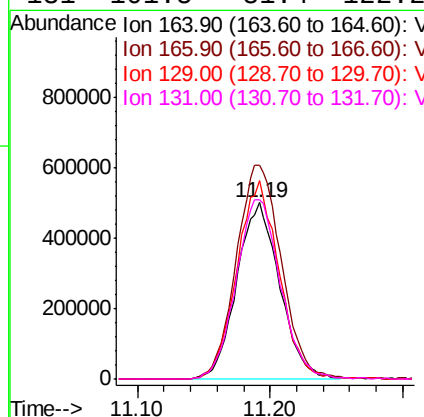
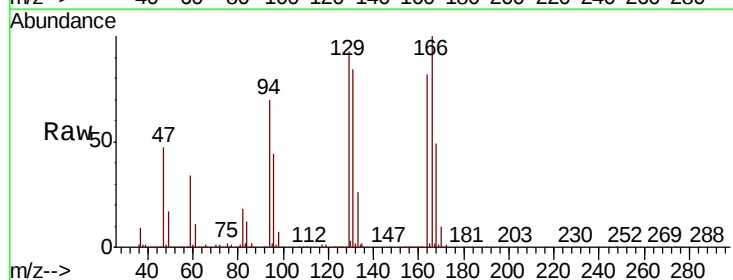
Instrument :
MSVOA_L
ClientSampleId :

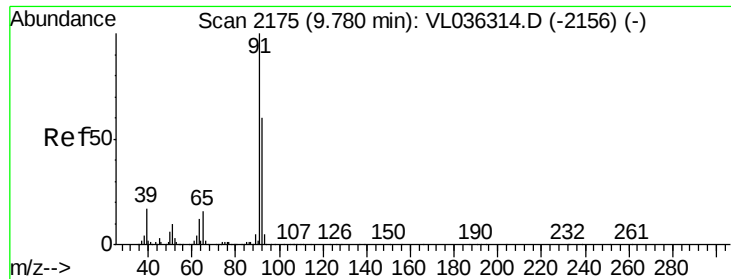
Tot Ion: 43 Resp: 3227061
Ion Ratio Lower Upper
43 100
58 47.9 38.7 58.1
98 0.2 0.4 0.6#



#52
Tetrachloroethene
Concen: 10.768 ppbv
RT: 11.19 min Scan# 2614
Delta R.T. -0.01 min
Lab File: VL036398.D
Acq: 26 Feb 2021 12:16

Tgt Ion:164 Resp: 1117594
Ion Ratio Lower Upper
164 100
166 121.1 97.8 146.8
129 112.6 84.9 127.3
131 101.5 81.4 122.2





#53

Toluene

Concen: 12.269 ppbv

RT: 9.77 min Scan# 2173

Delta R.T. -0.01 min

Lab File: VL036398.D

Acq: 26 Feb 2021 12:16

Instrument :

MSVOA_L

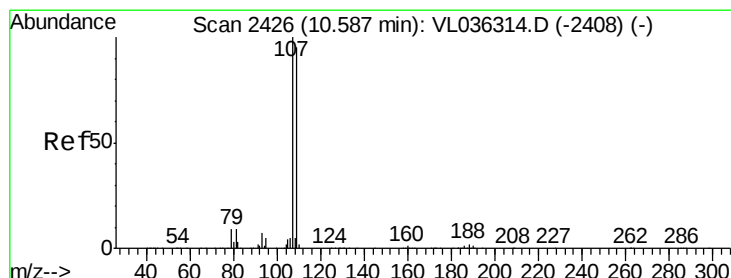
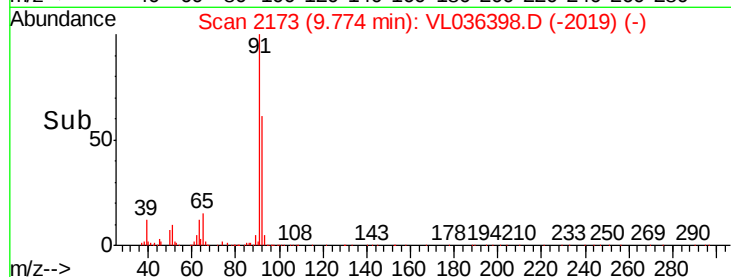
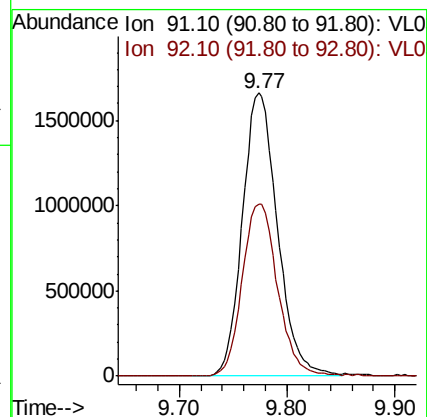
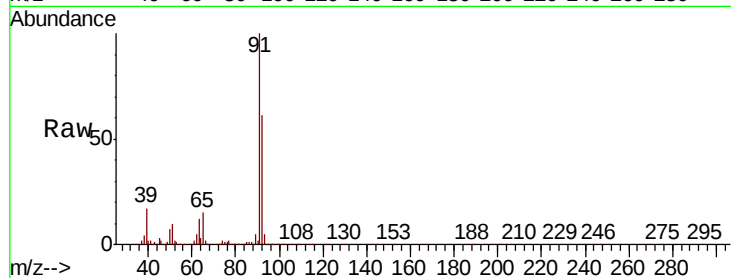
ClientSampleId :

Tot Ion: 91 Resp: 3767698

Ion Ratio Lower Upper

91 100

92 62.0 48.6 72.8



#54

1,2-Dibromoethane

Concen: 11.937 ppbv

RT: 10.58 min Scan# 2424

Delta R.T. -0.01 min

Lab File: VL036398.D

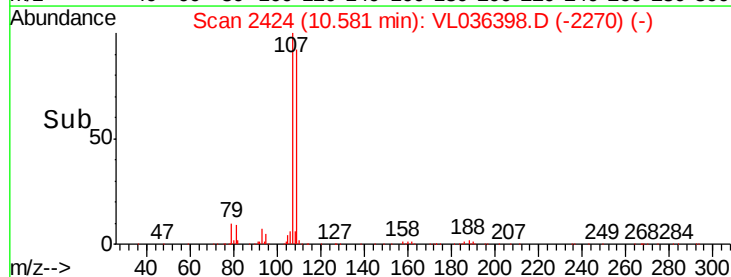
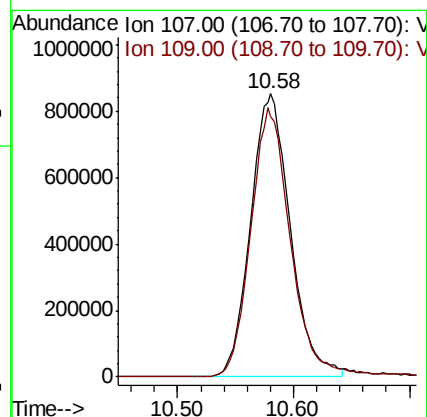
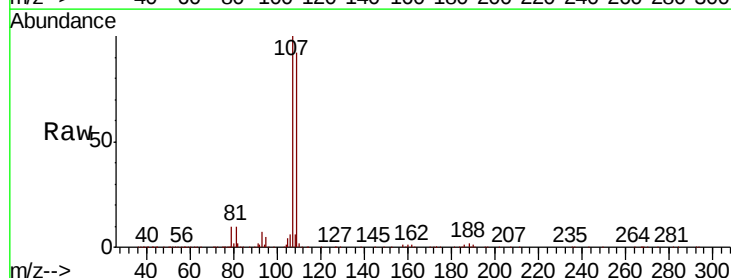
Acq: 26 Feb 2021 12:16

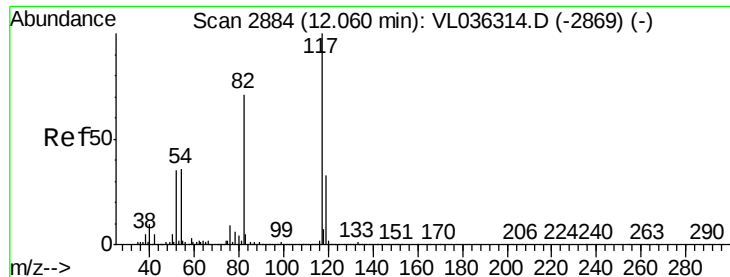
Tgt Ion: 107 Resp: 2033315

Ion Ratio Lower Upper

107 100

109 91.9 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: VL036398.D

Acq: 26 Feb 2021 12:16

Instrument :

MSVOA_L

ClientSampleId :

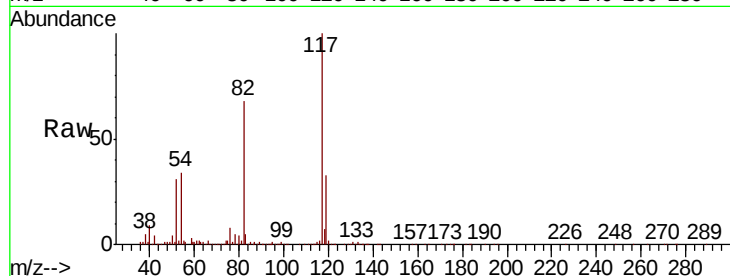
Tot Ion:117 Resp: 4177072

Ion Ratio Lower Upper

117 100

82 54.6 59.1 88.7#

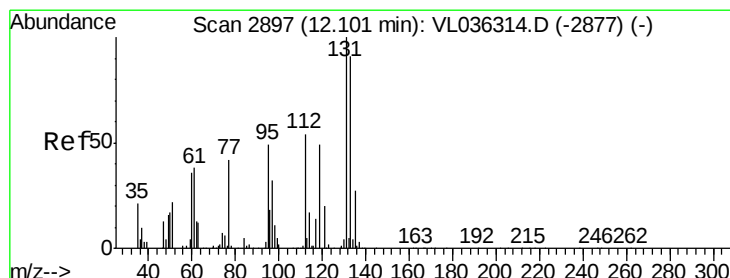
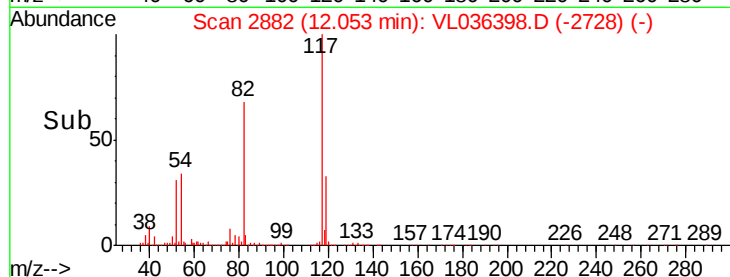
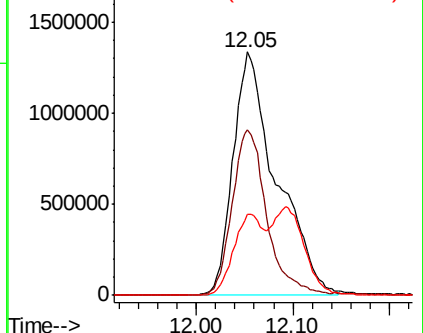
119 24.6 46.3 69.5#



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: 8.991 ppbv

RT: 12.09 min Scan# 2894

Delta R.T. -0.01 min

Lab File: VL036398.D

Acq: 26 Feb 2021 12:16

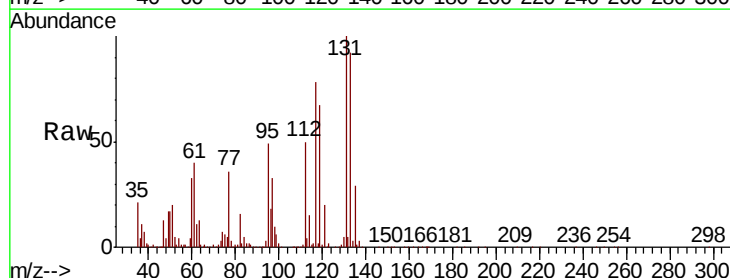
Tgt Ion:131 Resp: 1727372

Ion Ratio Lower Upper

131 100

133 94.0 76.0 114.0

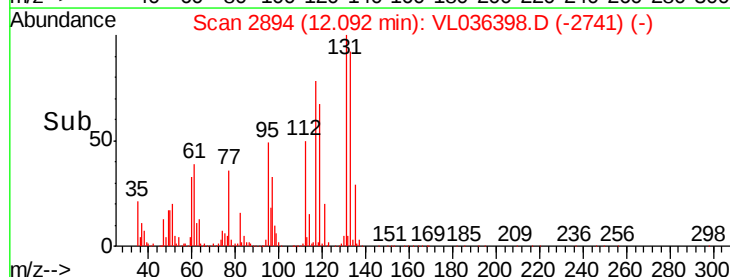
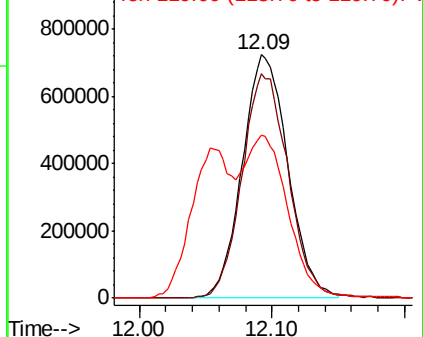
119 69.9 115.1 172.7#

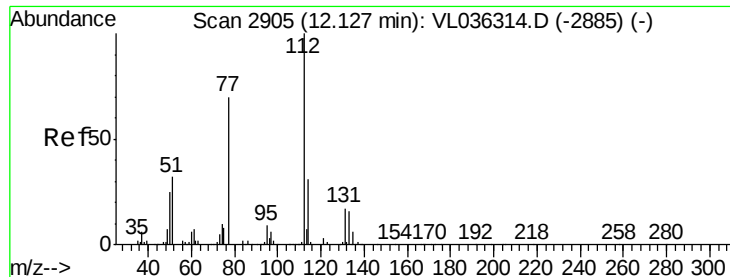


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 8.609 ppbv

RT: 12.11 min Scan# 2901

Delta R.T. -0.01 min

Lab File: VL036398.D

Acq: 26 Feb 2021 12:16

Instrument :

MSVOA_L

ClientSampleId :

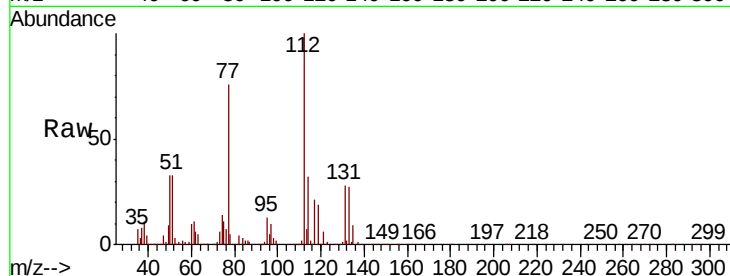
Tot Ion:112 Resp: 2778294

Ion Ratio Lower Upper

112 100

77 74.6 56.1 84.1

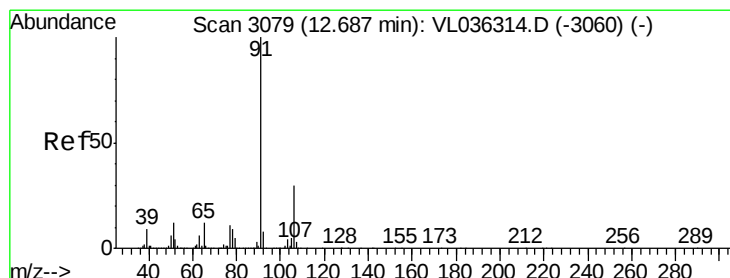
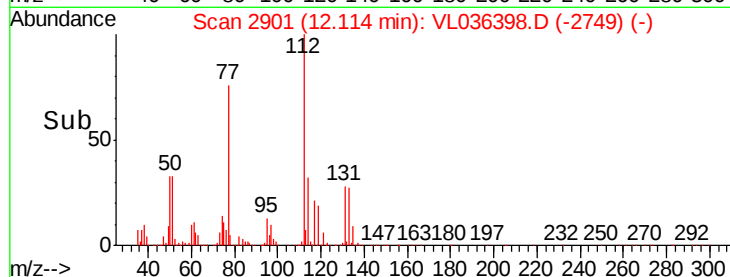
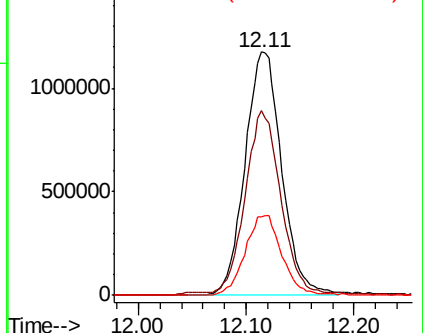
114 32.4 28.3 34.5



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: 9.066 ppbv

RT: 12.68 min Scan# 3076

Delta R.T. -0.01 min

Lab File: VL036398.D

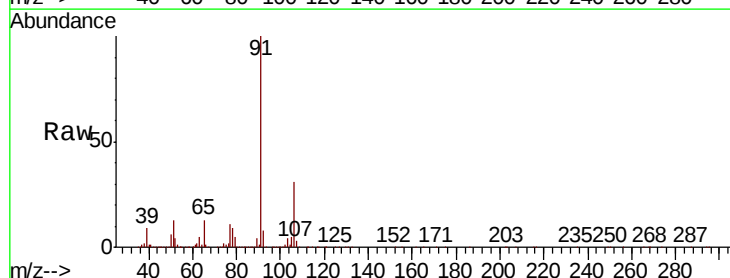
Acq: 26 Feb 2021 12:16

Tgt Ion: 91 Resp: 5185575

Ion Ratio Lower Upper

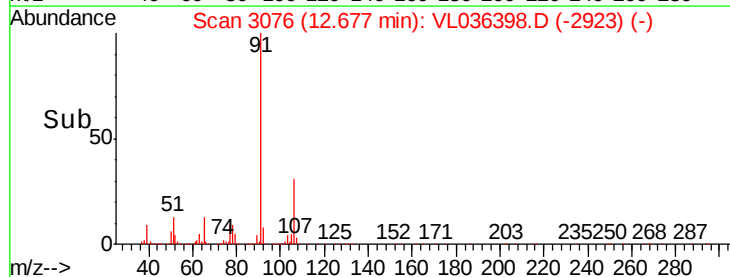
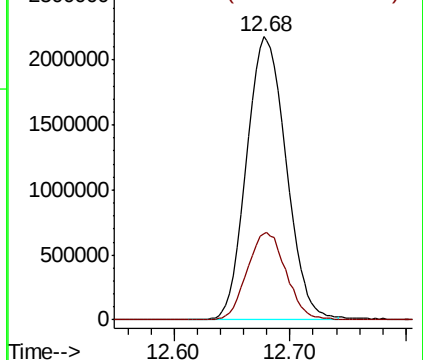
91 100

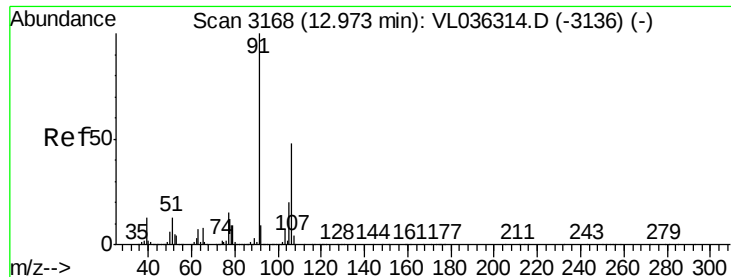
106 30.6 23.8 35.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 5.658 ppbv

RT: 12.97 min Scan# 3167

Delta R.T. -0.00 min

Lab File: VL036398.D

Acq: 26 Feb 2021 12:16

Instrument :

MSVOA_L

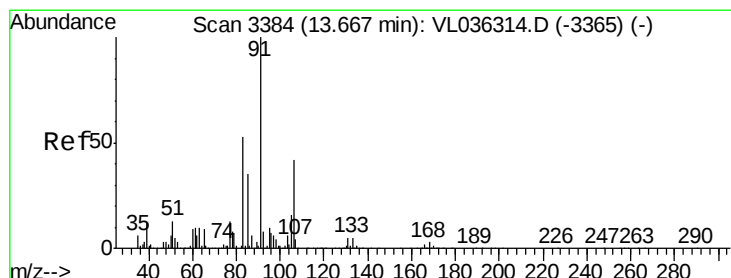
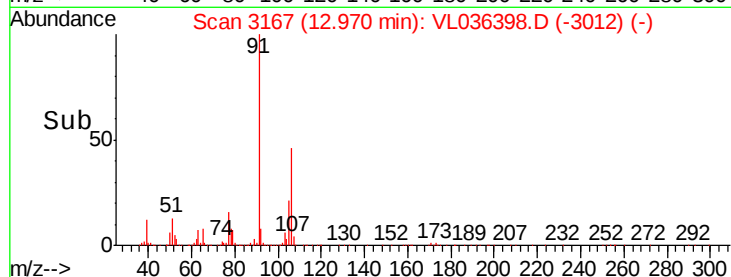
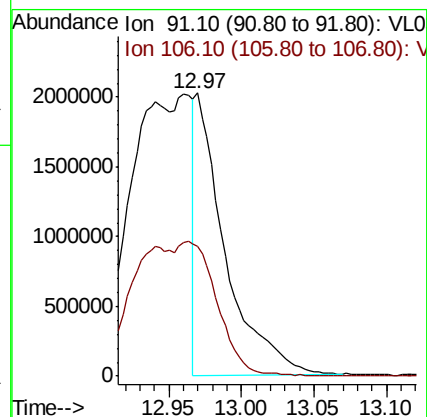
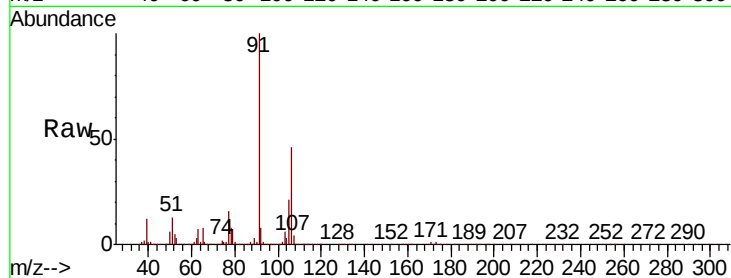
ClientSampled :

Tot Ion: 91 Resp: 2842814

Ion Ratio Lower Upper

91 100

106 0.0 34.2 51.2#



#60

o-Xylene

Concen: 8.714 ppbv

RT: 13.66 min Scan# 3382

Delta R.T. -0.01 min

Lab File: VL036398.D

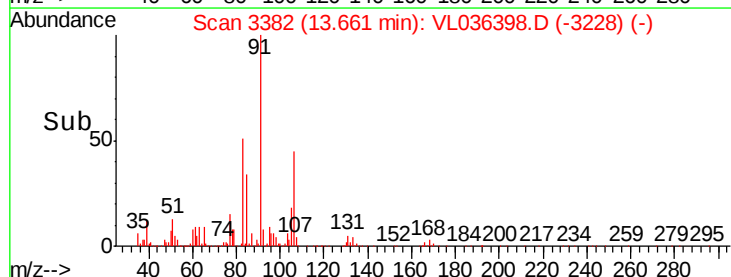
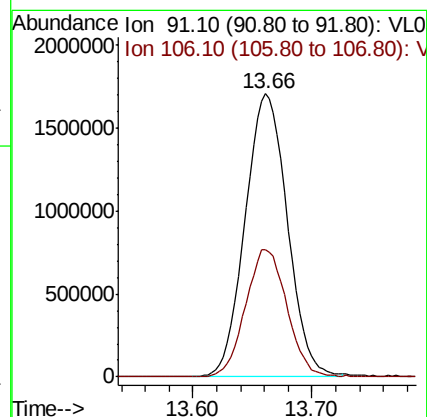
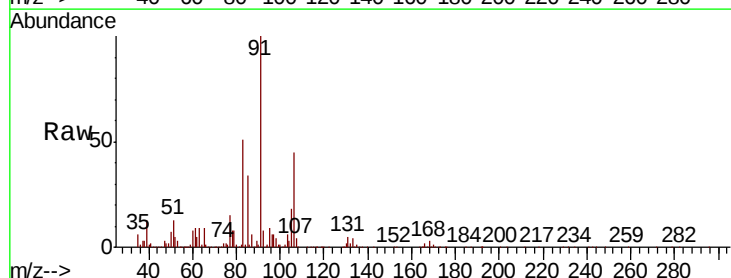
Acq: 26 Feb 2021 12:16

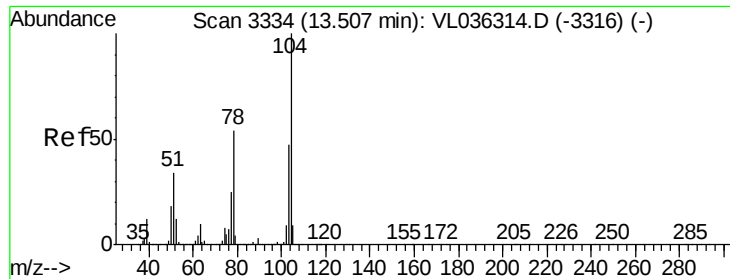
Tgt Ion: 91 Resp: 4186044

Ion Ratio Lower Upper

91 100

106 44.4 22.0 66.0

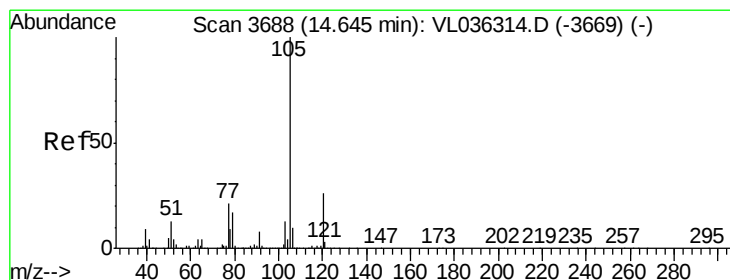
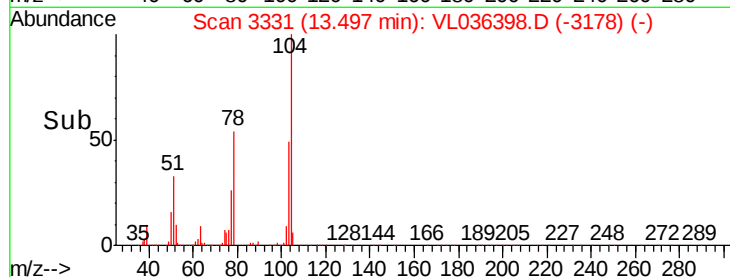
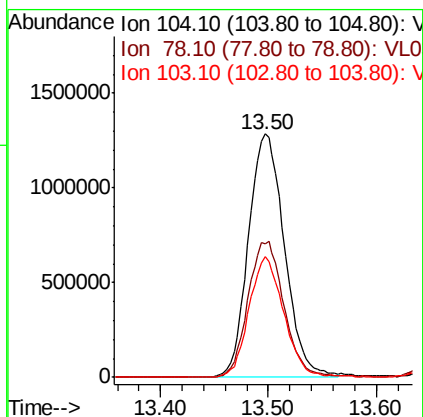
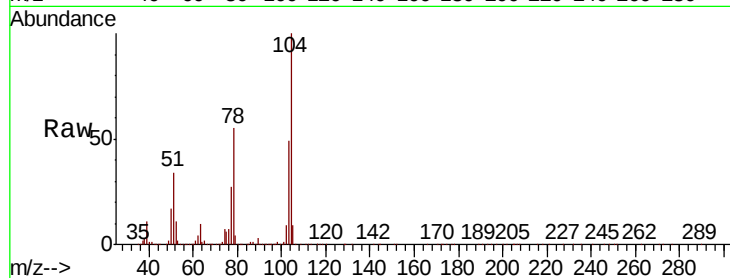




#61
Stvrene
Concen: 10.014 ppbv
RT: 13.50 min Scan# 3331
Delta R.T. -0.01 min
Lab File: VL036398.D
Acq: 26 Feb 2021 12:16

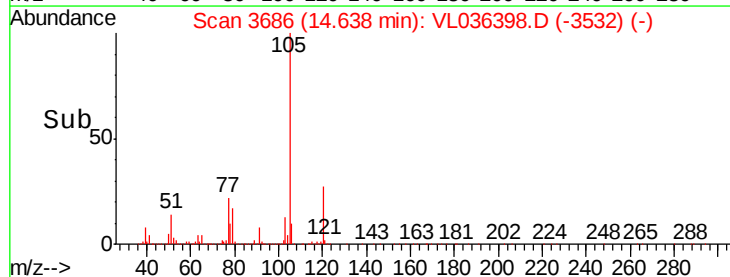
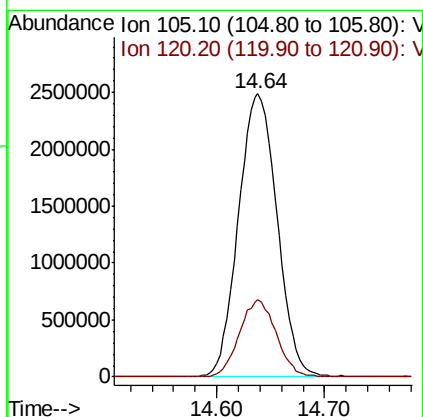
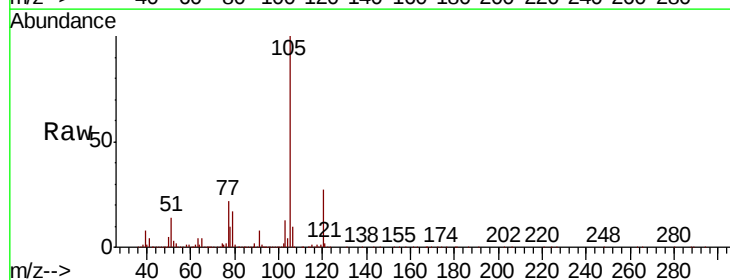
Instrument :
MSVOA_L
ClientSampled :

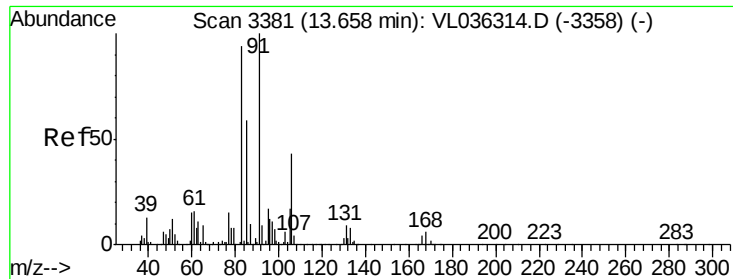
Tot Ion:104 Resp: 2981336
Ion Ratio Lower Upper
104 100
78 56.3 46.2 69.2
103 48.2 38.3 57.5



#62
Isopropylbenzene
Concen: 8.602 ppbv
RT: 14.64 min Scan# 3686
Delta R.T. -0.01 min
Lab File: VL036398.D
Acq: 26 Feb 2021 12:16

Tgt Ion:105 Resp: 6193777
Ion Ratio Lower Upper
105 100
120 26.1 20.6 30.8

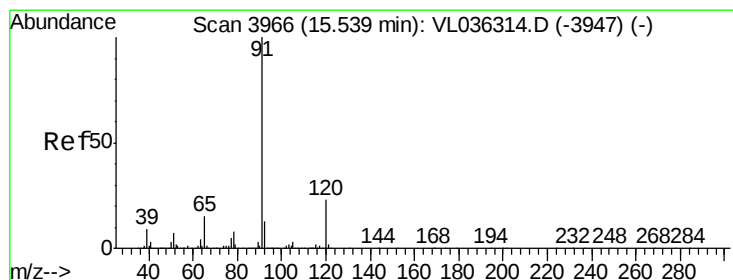
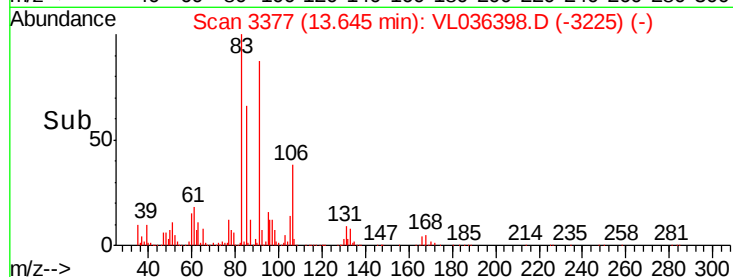
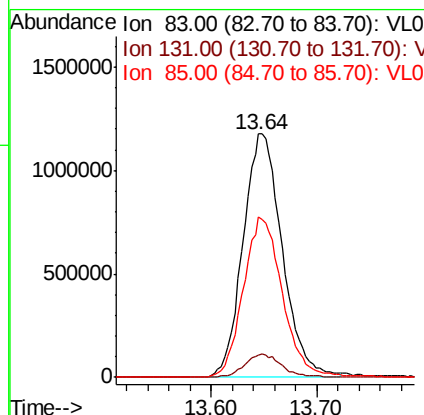
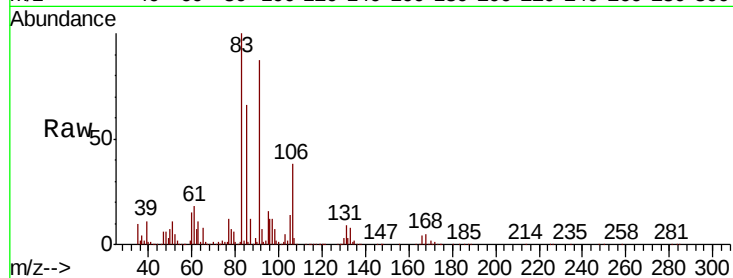




#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.026 ppbv
 RT: 13.64 min Scan# 3377
 Delta R.T. -0.01 min
 Lab File: VL036398.D
 Acq: 26 Feb 2021 12:16

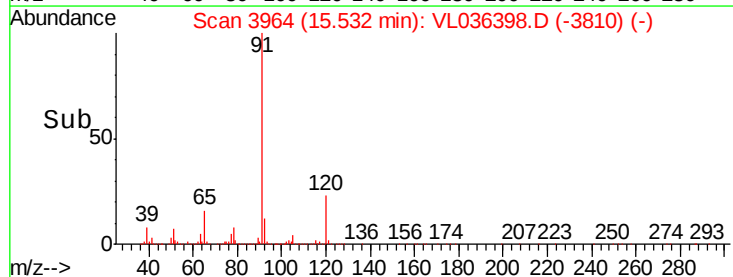
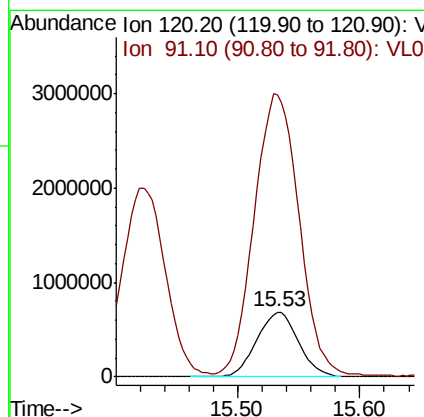
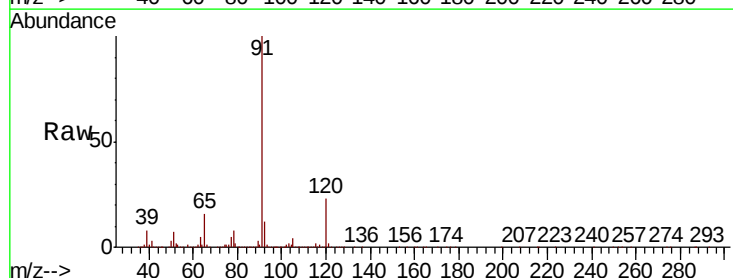
Instrument :
 MSVOA_L
 ClientSampled :

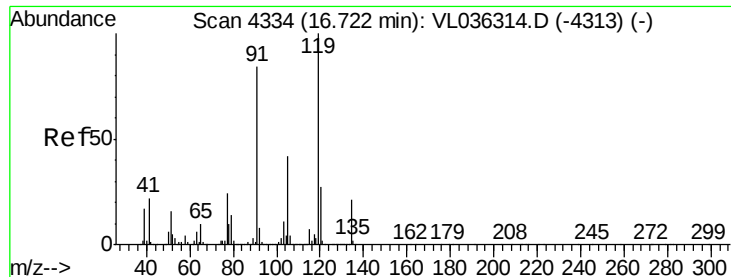
Tot Ion: 83 Resp: 3042166
 Ion Ratio Lower Upper
 83 100
 131 9.1 4.7 14.0
 85 65.8 33.0 98.9



#64
 n-propylbenzene
 Concen: 9.178 ppbv
 RT: 15.53 min Scan# 3964
 Delta R.T. -0.01 min
 Lab File: VL036398.D
 Acq: 26 Feb 2021 12:16

Tgt Ion:120 Resp: 1626476
 Ion Ratio Lower Upper
 120 100
 91 473.4 387.2 580.8





#65

tert-Butylbenzene

Concen: 8.592 ppbv

RT: 16.72 min Scan# 4332

Delta R.T. -0.01 min

Lab File: VL036398.D

Acq: 26 Feb 2021 12:16

Instrument :

MSVOA_L

ClientSampled :

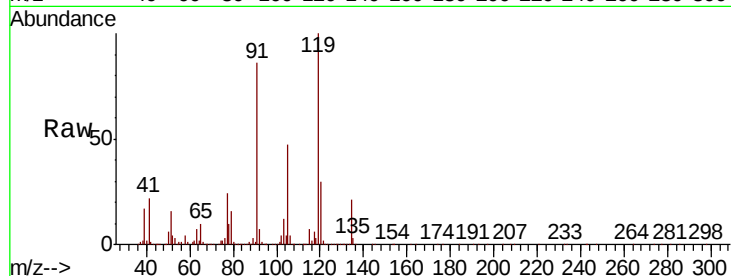
Tot Ion: 119 Resp: 5293004

Ion Ratio Lower Upper

119 100

91 86.5 70.5 105.7

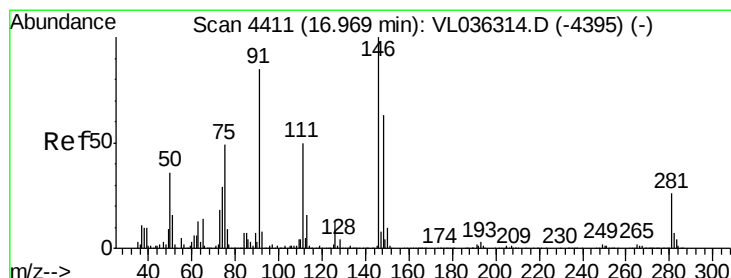
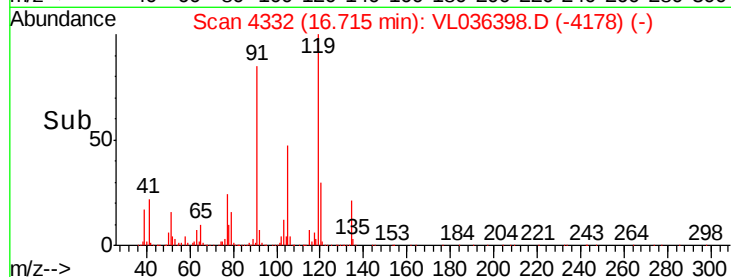
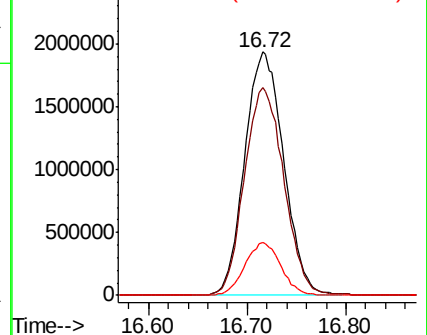
134 20.1 15.8 23.8



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 11.816 ppbv

RT: 16.96 min Scan# 4409

Delta R.T. -0.01 min

Lab File: VL036398.D

Acq: 26 Feb 2021 12:16

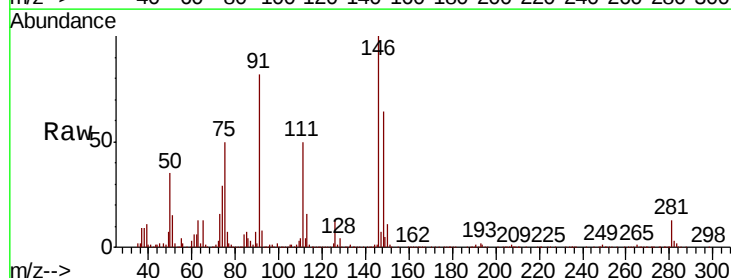
Tgt Ion: 91 Resp: 1978994

Ion Ratio Lower Upper

91 100

126 16.4 12.9 19.3

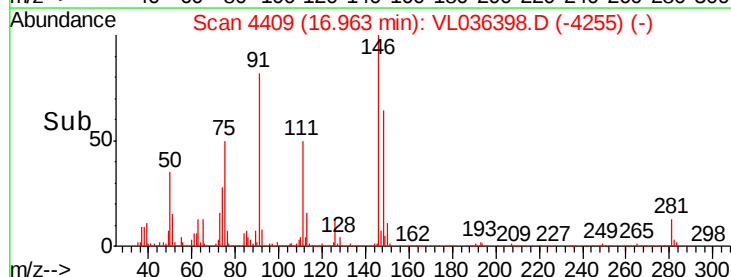
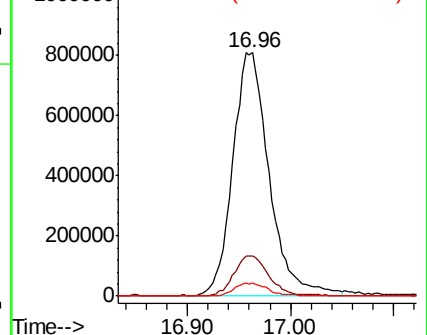
128 5.2 4.2 6.2

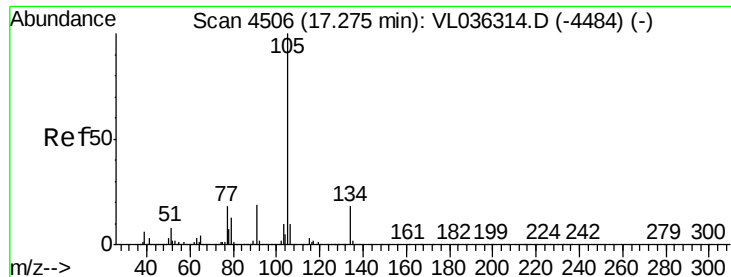


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.473 ppbv

RT: 17.27 min Scan# 4503

Delta R.T. -0.01 min

Lab File: VL036398.D

Acq: 26 Feb 2021 12:16

Instrument :

MSVOA_L

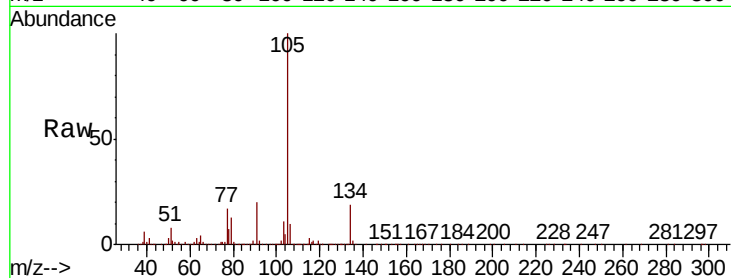
ClientSampleId :

Tot Ion:105 Resp: 7527853

Ion Ratio Lower Upper

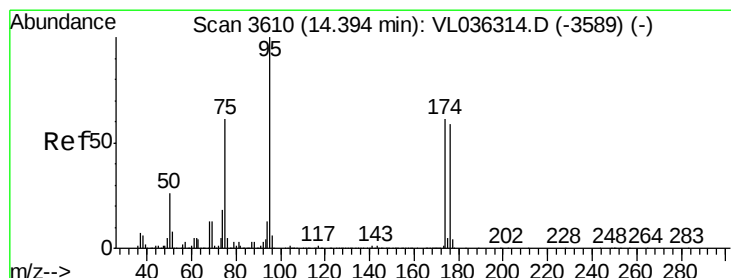
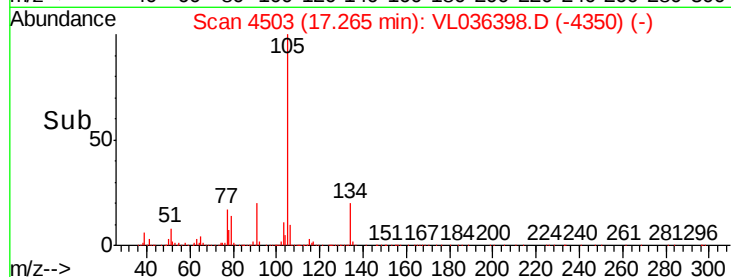
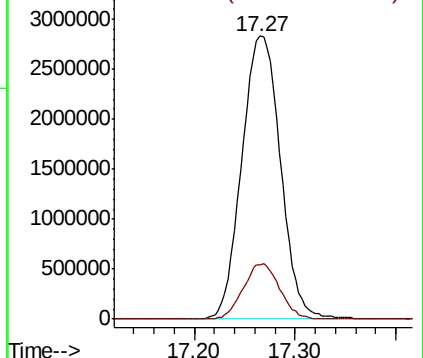
105 100

134 18.5 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: 7.930 ppbv

RT: 14.38 min Scan# 3607

Delta R.T. -0.01 min

Lab File: VL036398.D

Acq: 26 Feb 2021 12:16

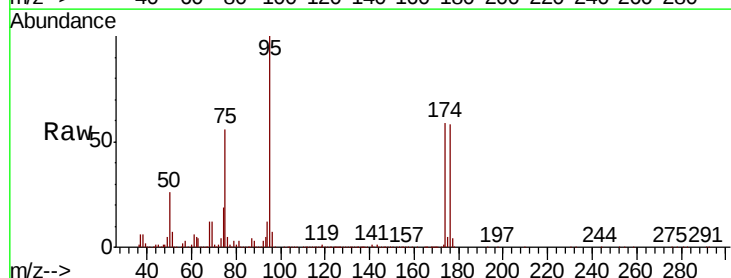
Tgt Ion: 95 Resp: 2725441

Ion Ratio Lower Upper

95 100

174 60.8 49.8 74.6

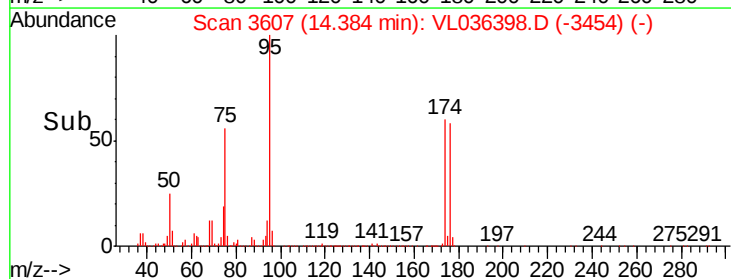
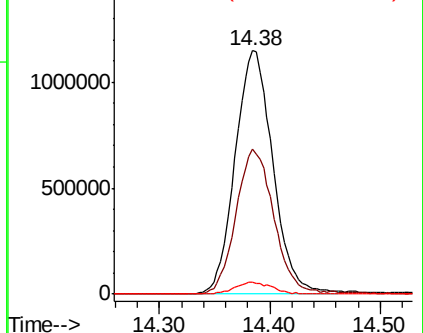
175 4.8 3.7 5.5

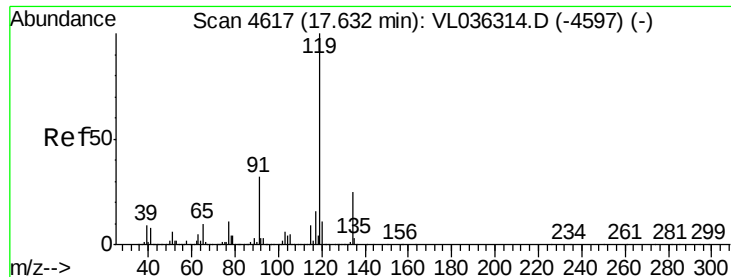


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 8.956 ppbv

RT: 17.63 min Scan# 4615

Delta R.T. -0.01 min

Lab File: VL036398.D

Acq: 26 Feb 2021 12:16

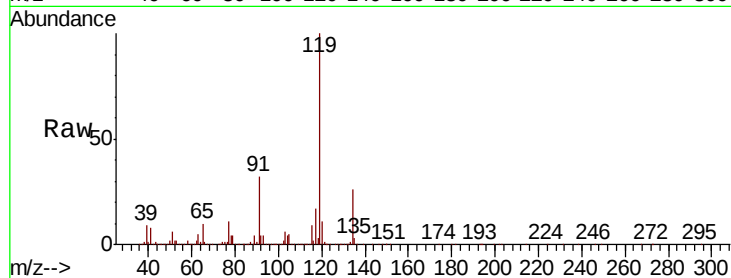
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:119 Resp: 6149432

Ion	Ratio	Lower	Upper
119	100		
134	25.9	20.1	30.1
91	31.8	25.8	38.6

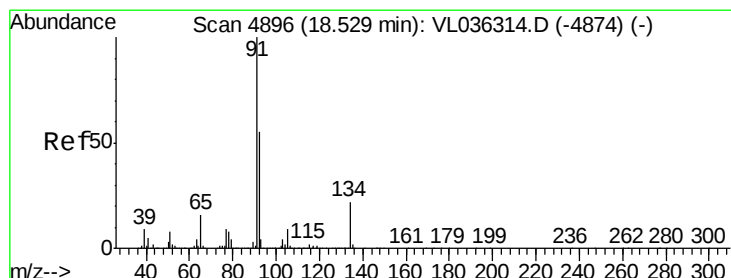
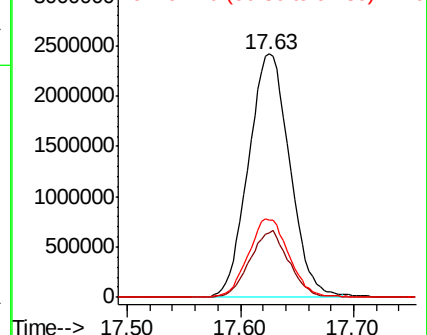
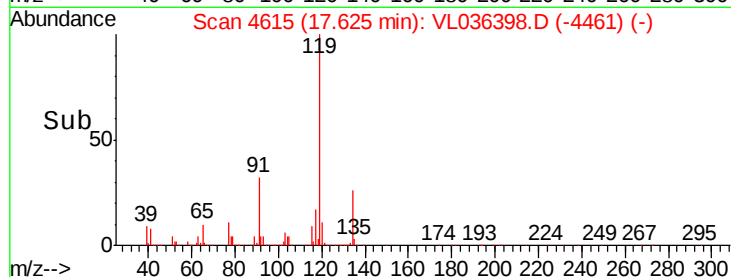


Abundance

Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 8.811 ppbv

RT: 18.52 min Scan# 4894

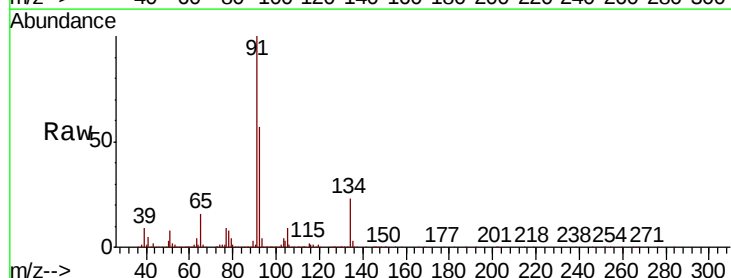
Delta R.T. -0.01 min

Lab File: VL036398.D

Acq: 26 Feb 2021 12:16

Tgt Ion: 91 Resp: 6487887

Ion	Ratio	Lower	Upper
91	100		
92	55.0	43.7	65.5
134	22.0	17.4	26.0

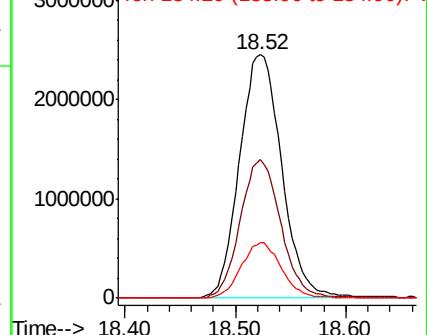
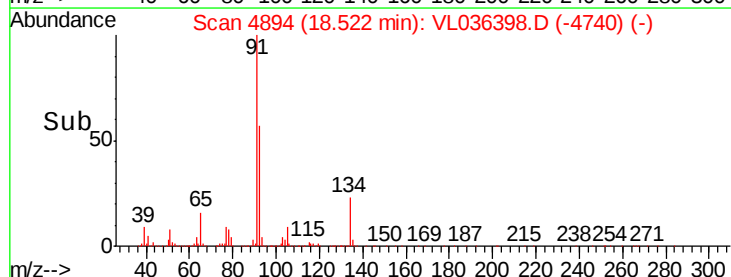


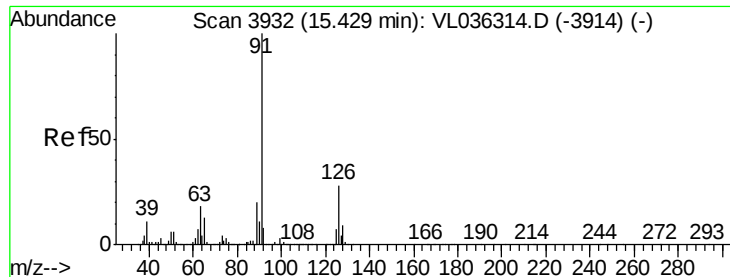
Abundance

Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V

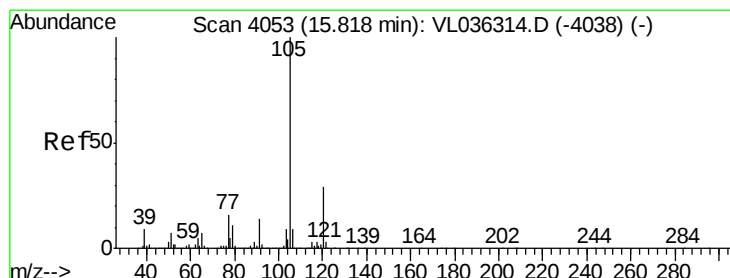
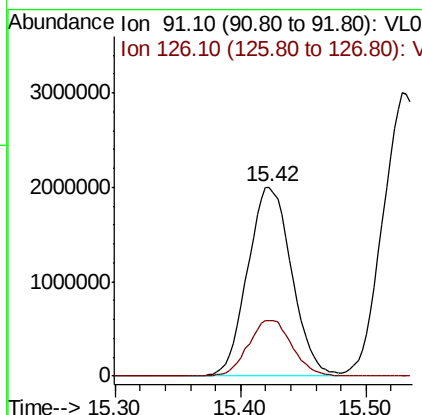
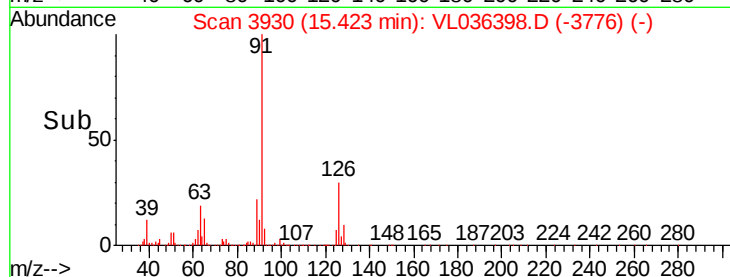
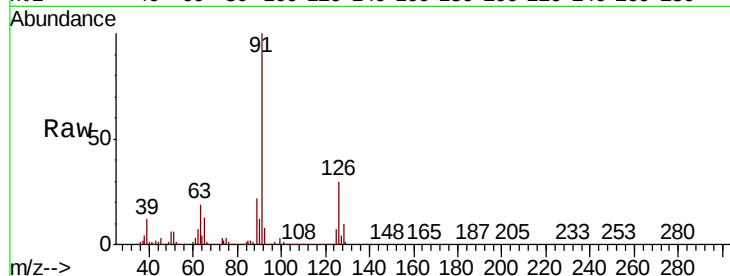




#71
2-Chlorotoluene
Concen: 8.859 ppbv
RT: 15.42 min Scan# 3930
Delta R.T. -0.01 min
Lab File: VL036398.D
Acq: 26 Feb 2021 12:16

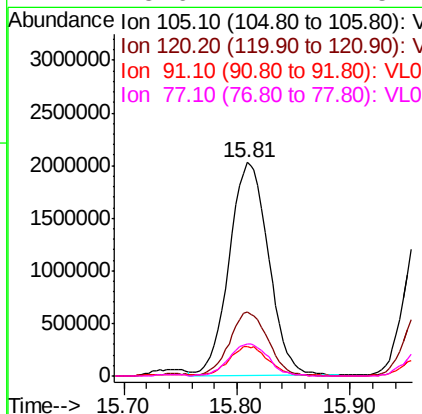
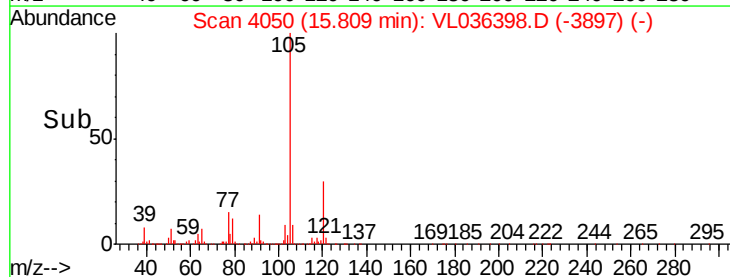
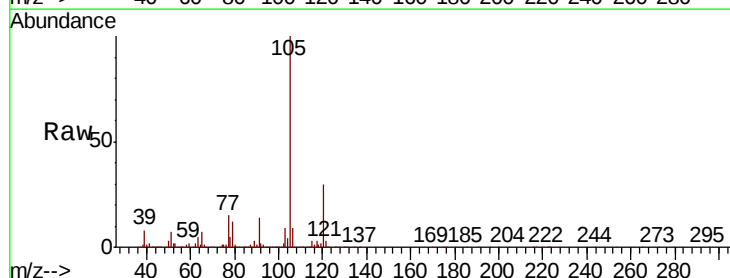
Instrument :
MSVOA_L
ClientSampleId :

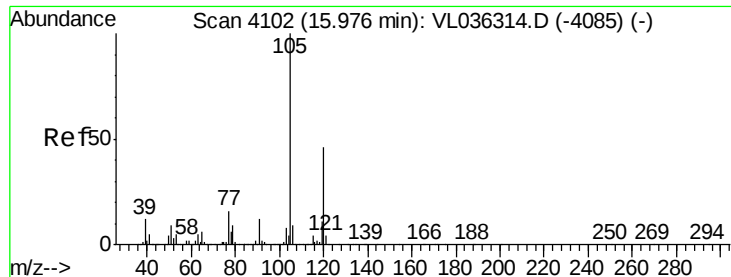
Tot Ion: 91 Resp: 4890043
Ion Ratio Lower Upper
91 100
126 29.5 11.5 46.1



#72
4-Ethyltoluene
Concen: 9.134 ppbv
RT: 15.81 min Scan# 4050
Delta R.T. -0.01 min
Lab File: VL036398.D
Acq: 26 Feb 2021 12:16

Tgt Ion:105 Resp: 4882733
Ion Ratio Lower Upper
105 100
120 29.4 23.2 34.8
91 13.7 11.0 16.4
77 15.6 12.2 18.4





#73

1,3,5-Trimethylbenzene

Concen: 8.731 ppbv

RT: 15.97 min Scan# 4100

Delta R.T. -0.01 min

Lab File: VL036398.D

Acq: 26 Feb 2021 12:16

Instrument :

MSVOA_L

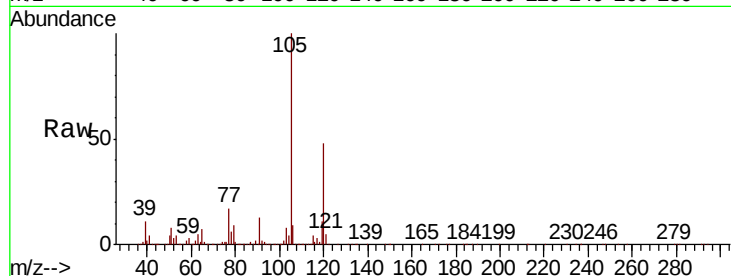
ClientSampleId :

Tot Ion:105 Resp: 4524570

Ion Ratio Lower Upper

105 100

120 47.6 36.9 55.3



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

15.97

2000000

1500000

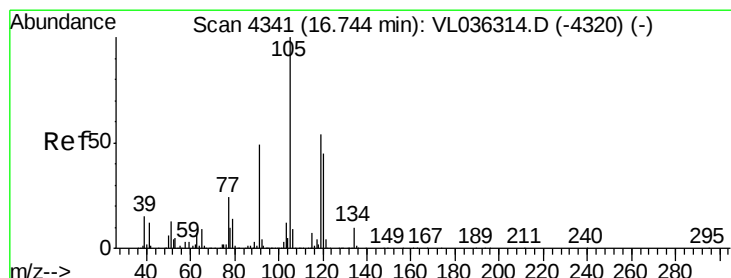
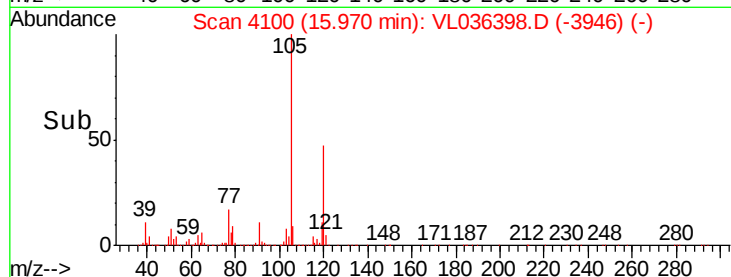
1000000

500000

0

Time-->

15.90 16.00



#74

1,2,4-Trimethylbenzene

Concen: 8.711 ppbv

RT: 16.73 min Scan# 4338

Delta R.T. -0.01 min

Lab File: VL036398.D

Acq: 26 Feb 2021 12:16

Tgt Ion:105 Resp: 4608420

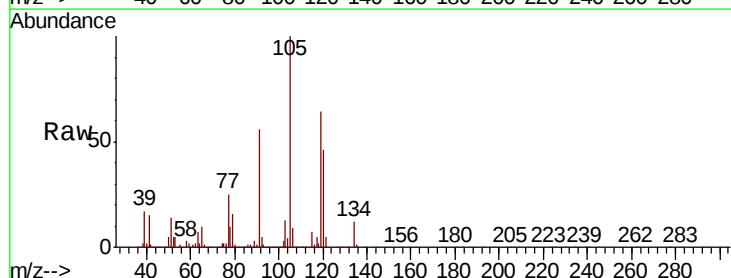
Ion Ratio Lower Upper

105 100

120 45.9 35.8 53.6

91 56.3 39.8 59.6

77 24.9 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

3000000

2500000

2000000

1500000

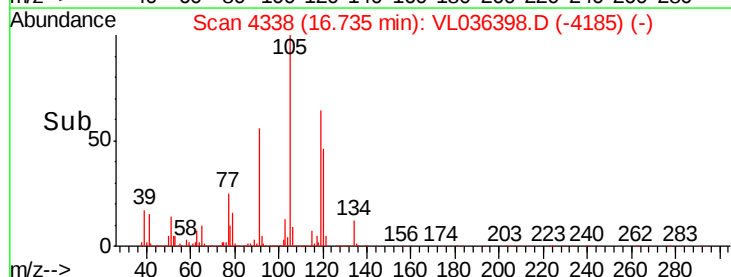
1000000

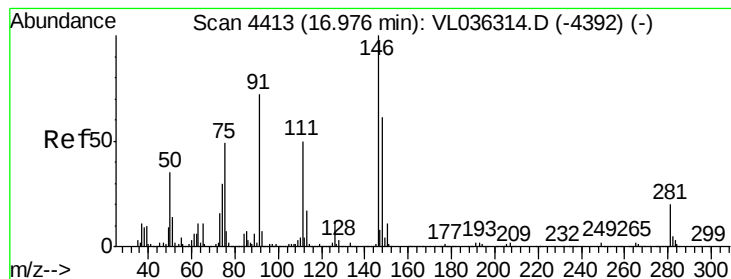
500000

0

Time-->

16.60 16.70 16.80





#75

1,3-Dichlorobenzene

Concen: 8.987 ppbv

RT: 16.97 min Scan# 4411

Delta R.T. -0.01 min

Lab File: VL036398.D

Acq: 26 Feb 2021 12:16

Instrument :

MSVOA_L

ClientSampleId :

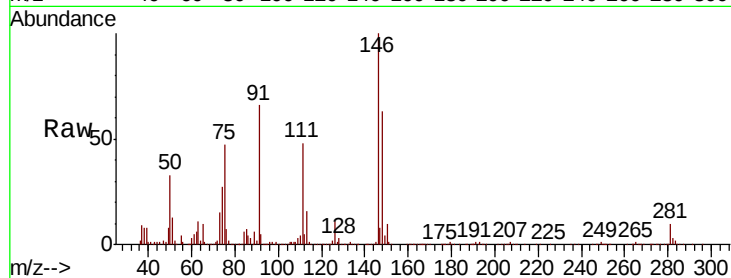
Tot Ion:146 Resp: 2580583

Ion Ratio Lower Upper

146 100

111 49.2 24.9 74.6

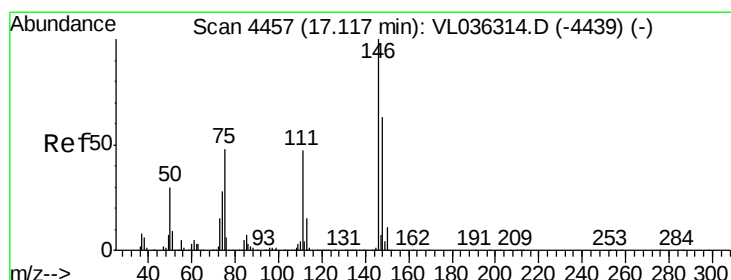
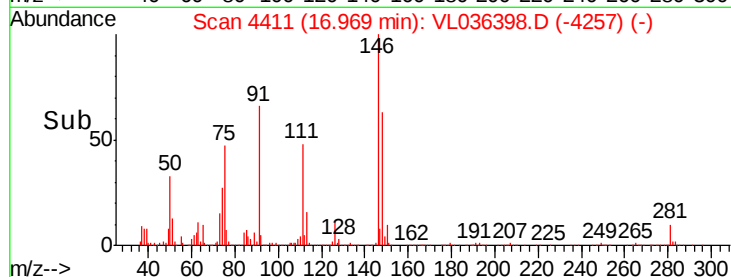
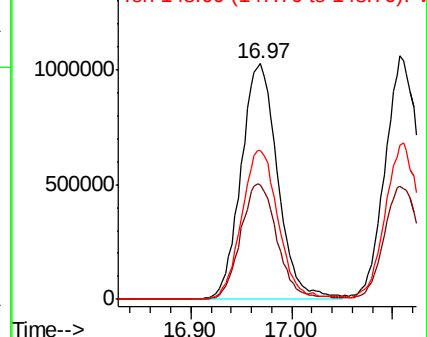
148 63.7 31.9 95.9



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: 8.515 ppbv

RT: 17.11 min Scan# 4454

Delta R.T. -0.01 min

Lab File: VL036398.D

Acq: 26 Feb 2021 12:16

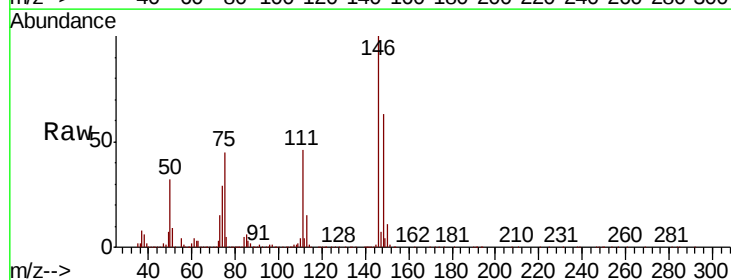
Tgt Ion:146 Resp: 2539164

Ion Ratio Lower Upper

146 100

111 48.9 23.6 71.0

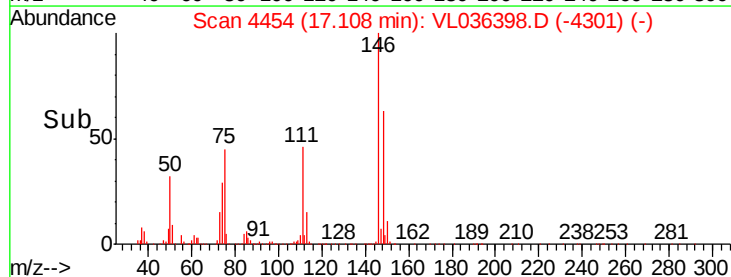
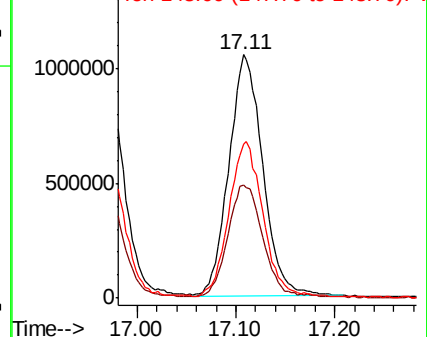
148 66.2 31.6 95.0

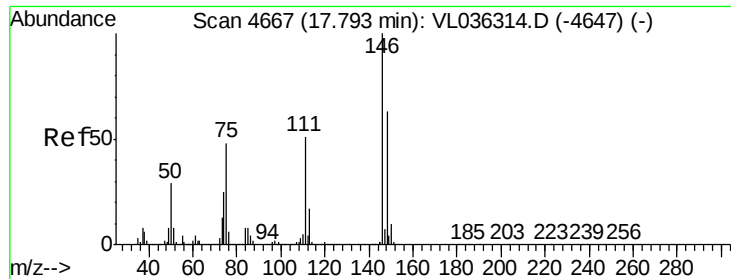


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

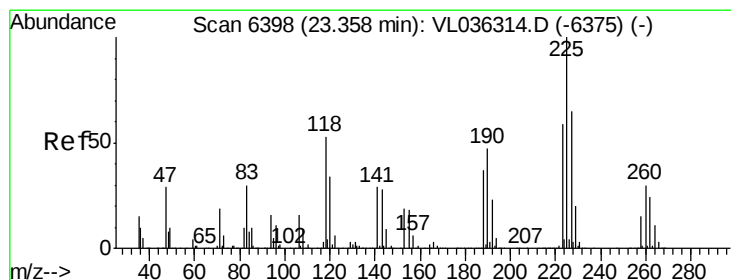
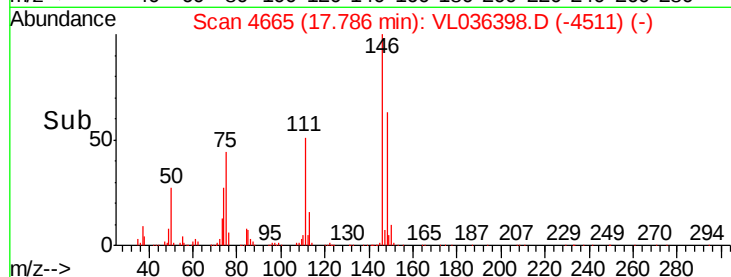
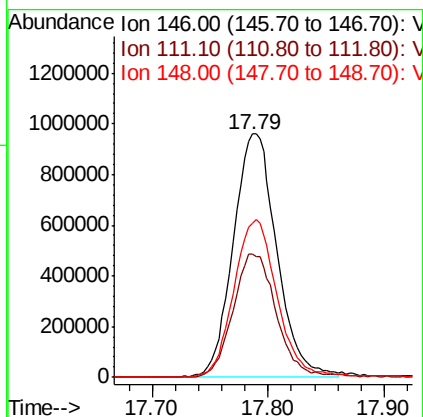
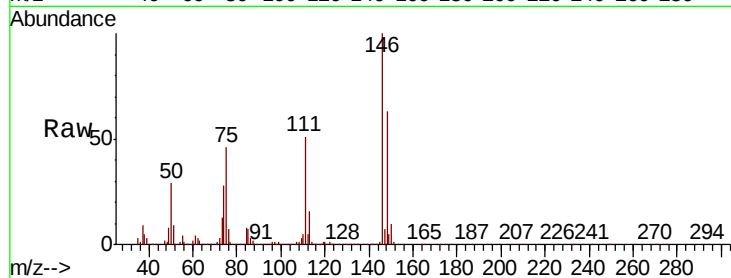




#77
 1,2-Dichlorobenzene
 Concen: 8.676 ppbv
 RT: 17.79 min Scan# 4665
 Delta R.T. -0.01 min
 Lab File: VL036398.D
 Acq: 26 Feb 2021 12:16

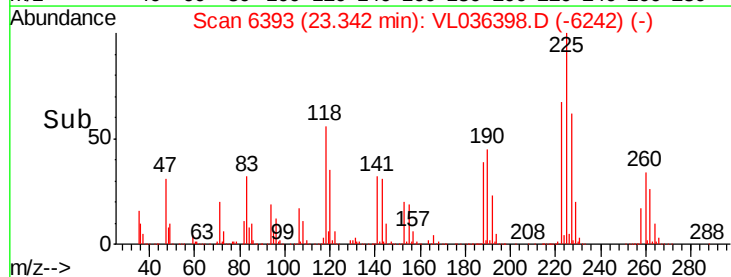
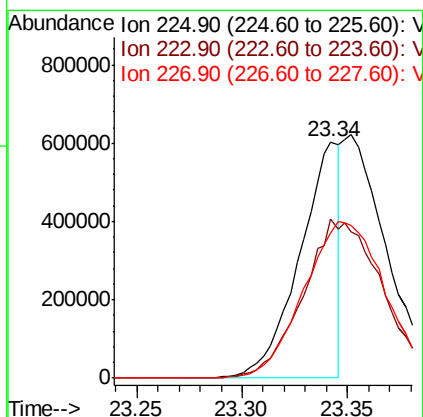
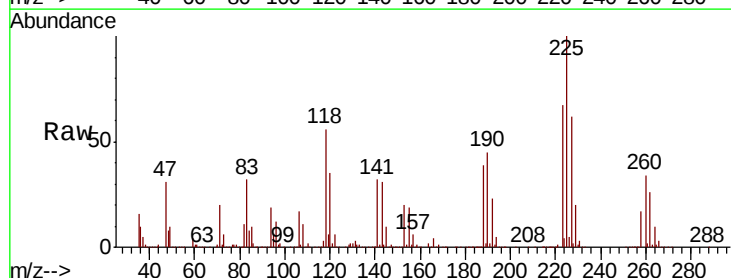
Instrument :
 MSVOA_L
 ClientSampleId :

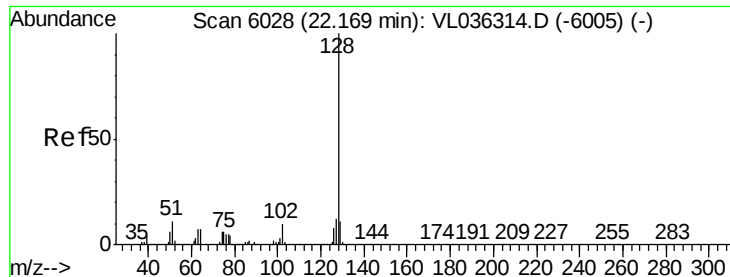
Tot Ion:146 Resp: 2471404
 Ion Ratio Lower Upper
 146 100
 111 50.9 25.9 77.8
 148 65.5 32.5 97.4



#78
 Hexachloro-1,3-Butadiene
 Concen: 3.395 ppbv
 RT: 23.34 min Scan# 6393
 Delta R.T. -0.02 min
 Lab File: VL036398.D
 Acq: 26 Feb 2021 12:16

Tgt Ion:225 Resp: 790094
 Ion Ratio Lower Upper
 225 100
 223 136.9 50.8 76.2#
 227 139.8 52.2 78.2#





#79

Naphthalene

Concen: 10.087 ppbv

RT: 22.16 min Scan# 6026

Delta R.T. -0.01 min

Lab File: VL036398.D

Acq: 26 Feb 2021 12:16

Instrument :

MSVOA_L

ClientSampled :

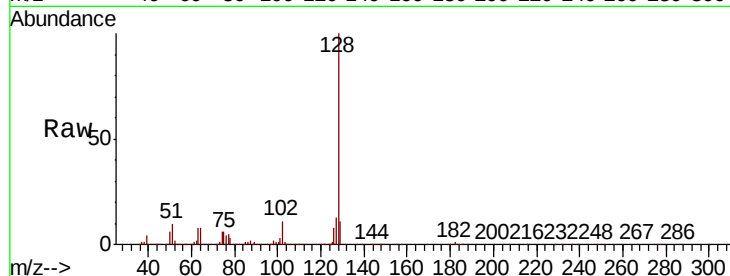
Tot Ion:128 Resp: 3163290

Ion Ratio Lower Upper

128 100

127 13.1 9.6 14.4

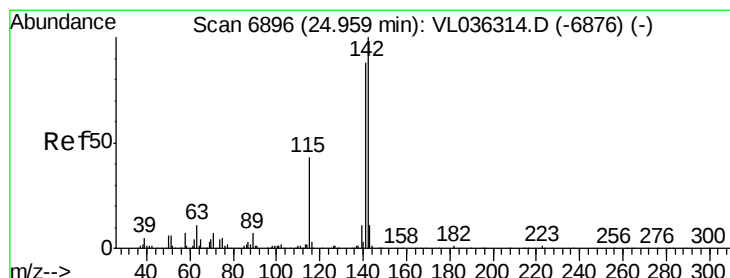
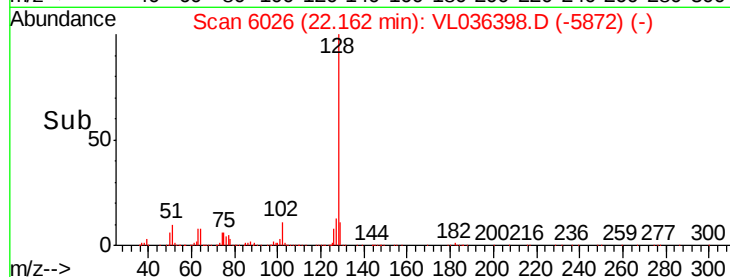
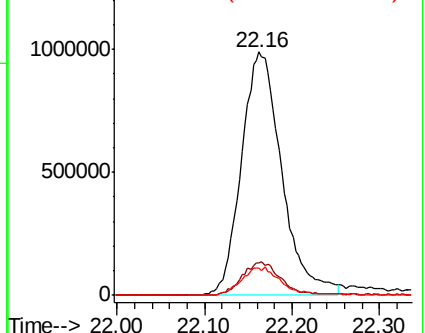
129 11.0 8.5 12.7



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 2.686 ppbv

RT: 24.96 min Scan# 6897

Delta R.T. 0.00 min

Lab File: VL036398.D

Acq: 26 Feb 2021 12:16

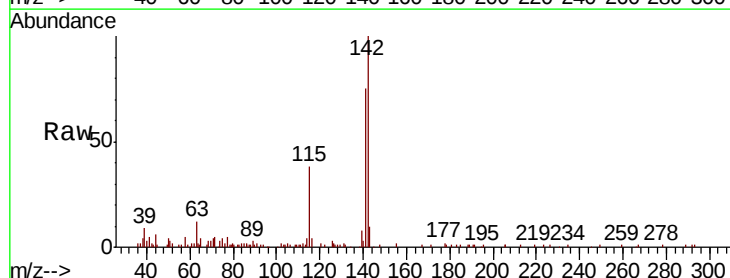
Tgt Ion:142 Resp: 155986

Ion Ratio Lower Upper

142 100

141 77.3 64.4 96.6

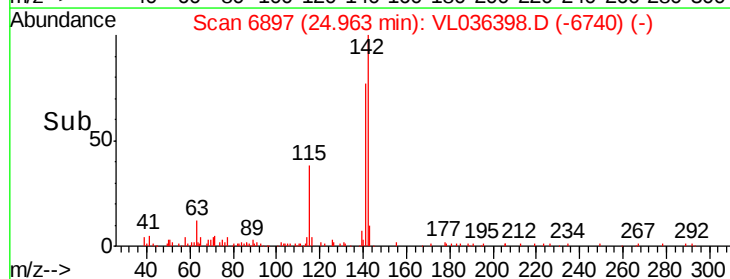
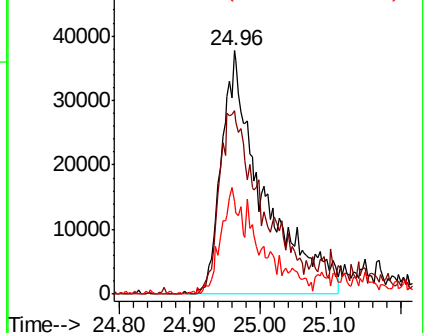
115 40.1 34.6 51.8

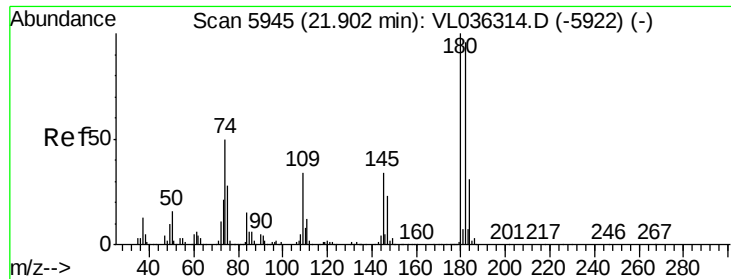


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

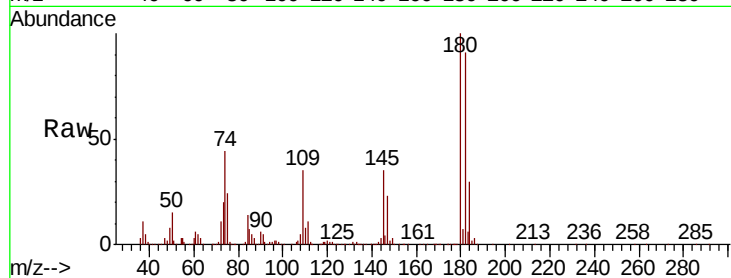




#81
 1,2,4-Trichlorobenzene
 Concen: 8.837 ppbv
 RT: 21.90 min Scan# 5943
 Delta R.T. -0.01 min
 Lab File: VL036398.D
 Acq: 26 Feb 2021 12:16

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 1690858
 Ion Ratio Lower Upper
 180 100
 182 100.6 80.2 120.4
 184 32.8 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

