

Data File : VL037173.D

Acq On : 16 Jun 2021 16:40

Operator : SY/AP

Sample : VL0616ABS01

Misc : 400mL/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :

MSVOA_L

ClientSampleId :

VL0616ABS01

Quant Time: Jun 16 19:16:33 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL061621AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 16 14:06:32 2021

QLast Update : Wed Jun 16 14:06:32 2021

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1475134	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4389856	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	5105698	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3189707	8.24	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	3.05	85	2405180	9.375	ppbv 98
3) Chlorodifluoromethane	2.99	51	2602531	9.073	ppbv 100
4) Chloromethane	3.14	50	869036	9.091	ppbv 98
5) Vinyl Chloride	3.26	62	957782	9.116	ppbv 99
6) Bromomethane	3.47	94	584042	9.318	ppbv 99
7) Chloroethane	3.56	64	348540	9.281	ppbv 98
8) Dichlorotetrafluoroethane	3.19	85	2464351	9.364	ppbv 99
9) Propene	3.01	41	819313	8.933	ppbv 100
10) Heptane	8.13	43	2127345	9.577	ppbv 100
11) Trichlorofluoromethane	3.95	101	2549765	9.314	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1786480	9.258	ppbv 98
13) Ethanol	3.62	45	53021	3.737	ppbv 93
14) Bromoethene	3.74	108	761628	9.457	ppbv 99
15) Acetone	3.85	43	1289874	7.754	ppbv 96
16) 1,3-Butadiene	3.33	39	948716	9.647	ppbv 99
17) tert-Butyl alcohol	4.29	59	1535529	9.988	ppbv 100
18) 1,1-Dichloroethene	4.29	96	818051	9.567	ppbv 99
19) Isopropyl Alcohol	3.97	45	923262	9.164	ppbv # 98
20) Methylene Chloride	4.35	84	703354	7.063	ppbv 96
21) Allyl Chloride	4.41	41	1179536	9.407	ppbv 97
22) trans-1,2-Dichloroethene	4.89	96	798001	9.431	ppbv 97
23) Vinyl Acetate	5.08	43	2337440	9.800	ppbv 99
24) 1,1-Dichloroethane	5.01	63	1775163	9.244	ppbv 99
25) Ethyl Acetate	5.68	43	3398475	9.437	ppbv 99
26) Hexane	5.69	57	1627085	8.939	ppbv 98
27) Carbon Disulfide	4.56	76	1856760	10.412	ppbv 99
28) Methyl tert-Butyl Ether	5.04	73	2025769	9.258	ppbv 100
29) Chloroform	5.76	83	2675818	9.517	ppbv 95
30) Cyclohexane	7.14	84	1420038	9.364	ppbv 98
31) cis-1,2-Dichloroethene	5.56	61	1620787	9.691	ppbv 100
32) 1,1,1-Trichloroethane	6.52	97	2770052	9.207	ppbv 100
34) 2-Butanone	5.25	43	1582435	9.269	ppbv 99
35) Carbon Tetrachloride	7.02	117	2976833	10.110	ppbv 99
36) Benzene	6.90	78	3340919	9.412	ppbv 98
37) 1,2-Dichloroethane	6.31	62	2015232	9.773	ppbv 99
38) Trichloroethene	7.84	130	1440953	8.540	ppbv 98
39) 1,2-Dichloropropane	7.62	63	1282124	9.720	ppbv 99
40) 1,4-Dioxane	7.84	88	308087	8.517	ppbv 62
41) Tetrahydrofuran	6.06	42	779909	9.835	ppbv 98
42) Bromodichloromethane	7.80	83	2860934	10.057	ppbv 98
43) Methyl Methacrylate	8.02	69	1236934	10.090	ppbv 100

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Instrument :
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ClientSampleId :
VL0616ABS01

Quant Time: Jun 16 19:16:33 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL061621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 16 14:06:32 2021
QLast Update : Wed Jun 16 14:06:32 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	5532555	9.256	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1241277	11.476	ppbv	100
46) cis-1,3-Dichloropropene	8.71	75	1589048	10.740	ppbv	98
47) 1,1,2-Trichloroethane	9.49	97	1431980	9.516	ppbv	98
48) Dibromochloromethane	10.31	129	2599730	10.944	ppbv	100
49) Bromoform	13.05	173	2119843	11.978	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2343809	9.995	ppbv	99
51) 2-Hexanone	10.15	43	1148379	10.065	ppbv #	97
52) Tetrachloroethene	11.23	164	1395947	8.463	ppbv	98
53) Toluene	9.82	91	4040236	9.528	ppbv	100
54) 1,2-Dibromoethane	10.62	107	2137764	9.885	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.14	131	1752230	7.849	ppbv	99
57) Chlorobenzene	12.16	112	3104837	7.498	ppbv	98
58) Ethyl Benzene	12.72	91	5390384	7.669	ppbv	100
59) m/p-Xylene	13.01	91	4848627	8.140	ppbv #	40
60) o-Xylene	13.70	91	4326090	7.628	ppbv	100
61) Styrene	13.54	104	2480189	8.473	ppbv	98
62) Isopropylbenzene	14.68	105	6080208	7.539	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.69	83	2891614	7.657	ppbv	99
64) n-propylbenzene	15.57	120	1623447	8.038	ppbv	97
65) tert-Butylbenzene	16.76	119	5552131	7.762	ppbv	100
66) Benzyl Chloride	17.00	91	253845	8.375	ppbv	99
67) sec-Butylbenzene	17.30	105	7400893	7.759	ppbv	100
69) p-Isopropyltoluene	17.66	119	6457994	8.016	ppbv	100
70) n-Butylbenzene	18.56	91	6084318	8.160	ppbv	100
71) 2-Chlorotoluene	15.46	91	4436126	7.867	ppbv	100
72) 4-Ethyltoluene	15.85	105	5179868	8.039	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	4771806	7.662	ppbv	97
74) 1,2,4-Trimethylbenzene	16.77	105	5069130	7.899	ppbv	96
75) 1,3-Dichlorobenzene	17.01	146	3116358	7.987	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	3023944	7.759	ppbv	99
77) 1,2-Dichlorobenzene	17.83	146	2997537	7.942	ppbv	100
78) Hexachloro-1,3-Butadiene	23.39	225	2021039	6.228	ppbv	99
79) Naphthalene	22.21	128	3962689	7.406	ppbv	99
80) Naphthalene,2-methyl-	24.98	142	960287	6.843	ppbv	98
81) 1,2,4-Trichlorobenzene	21.94	180	2197587	7.118	ppbv	99

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

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Instrument :
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ClientSampleId :
VL0616ABS01

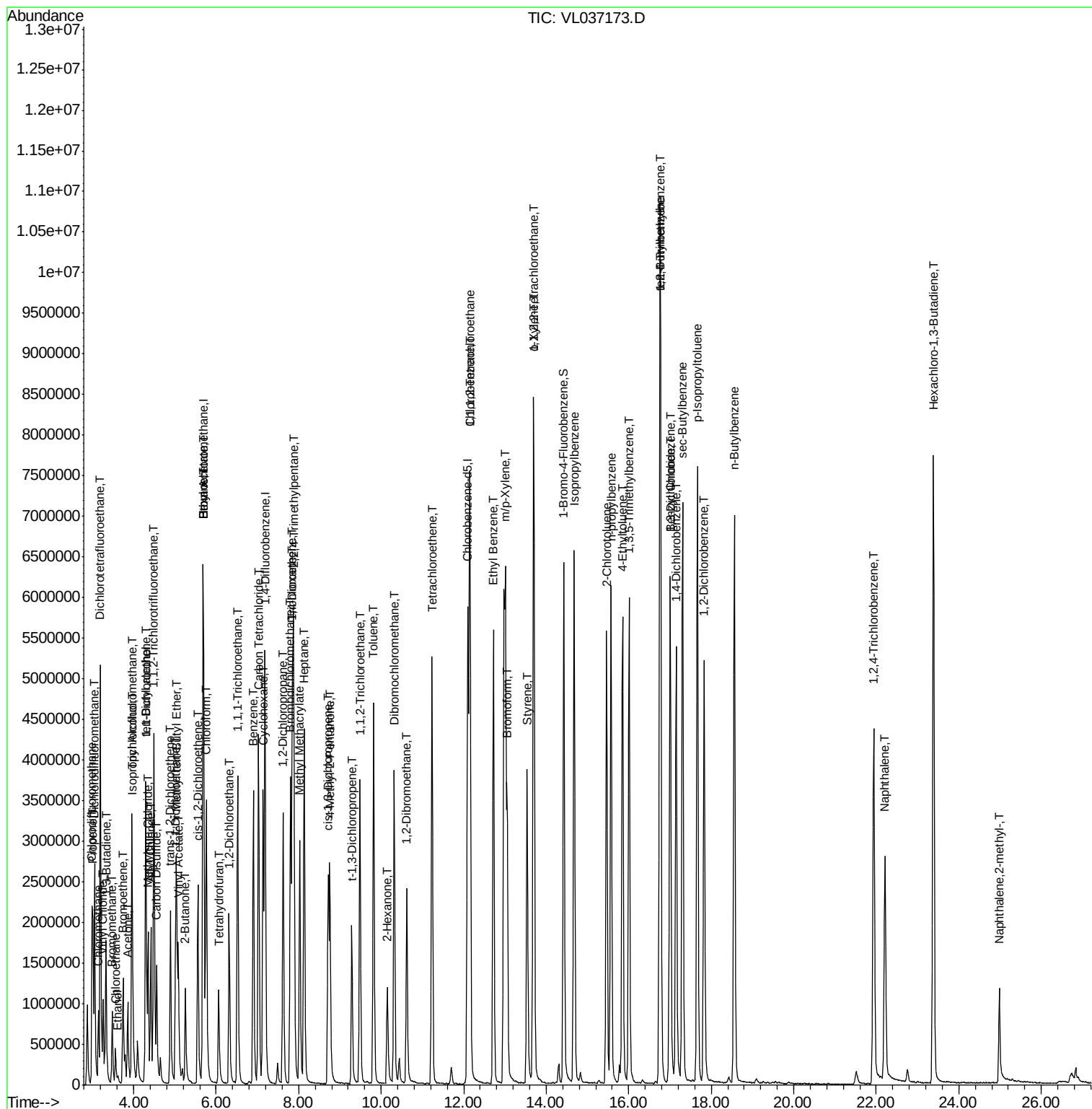
Quant Time: Jun 16 19:16:33 2021

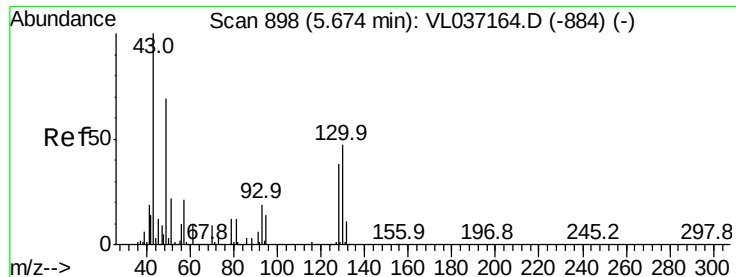
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_L\METHODS\VL061621AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LWed Jun 16 14:06:32 2021

QLast Update : Wed Jun 16 14:06:32 2021

Response via : Initial Calibration

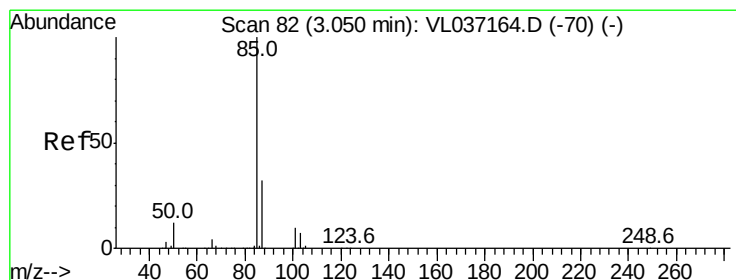
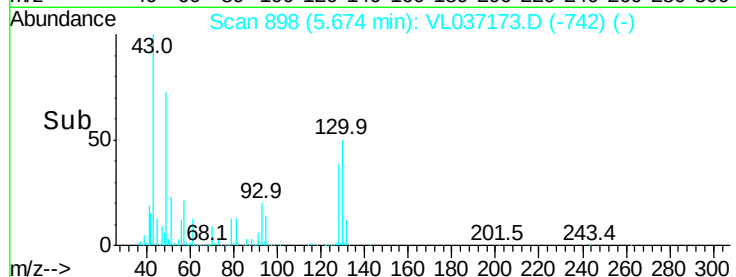
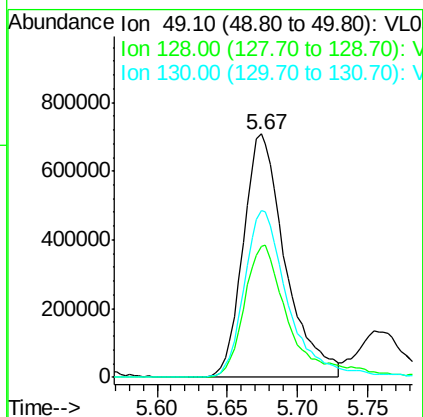
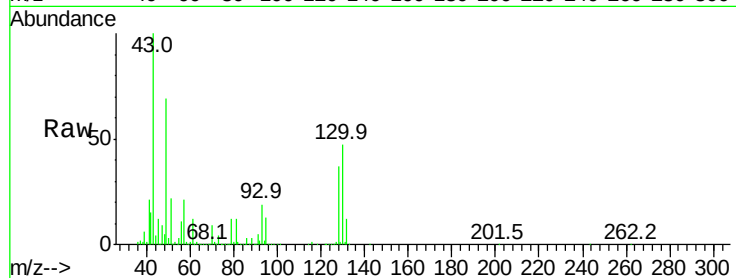




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.00 min
Lab File: VL037173.D
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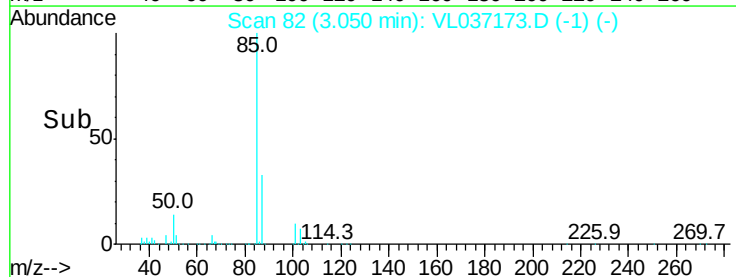
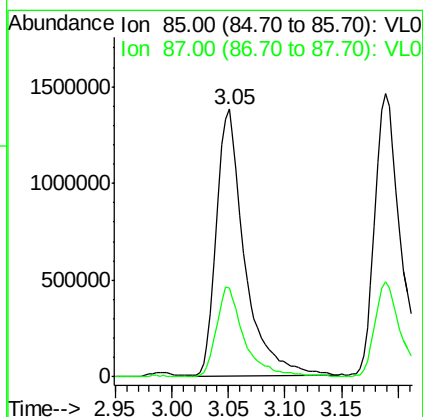
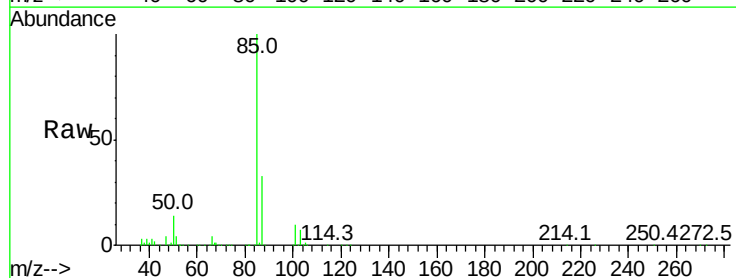
Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

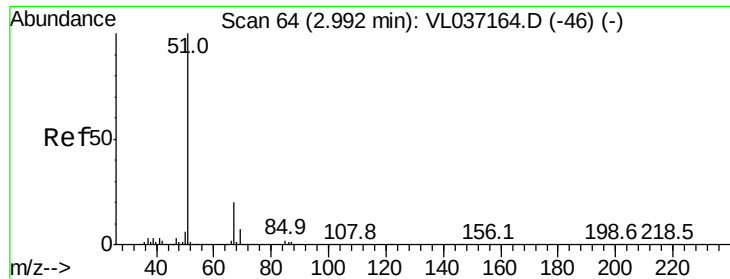
Tgt Ion: 49 Resp: 1475134
Ion Ratio Lower Upper
49 100
128 59.2 29.3 88.0
130 72.7 35.9 107.8



#2
Dichlorodifluoromethane
Concen: 9.375 ppbv
RT: 3.05 min Scan# 82
Delta R.T. -0.00 min
Lab File: VL037173.D
Acq: 16 Jun 2021 16:40

Tgt Ion: 85 Resp: 2405180
Ion Ratio Lower Upper
85 100
87 33.1 25.8 38.6





#3

Chlorodifluoromethane

Concen: 9.073 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

Instrument :

MSVOA_L

ClientSampleId :

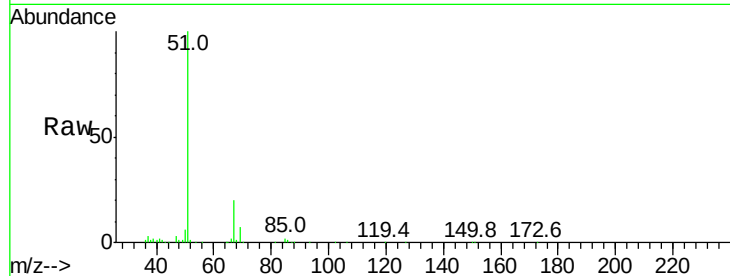
VL0616ABS01

Tgt Ion: 51 Resp: 2602531

Ion Ratio Lower Upper

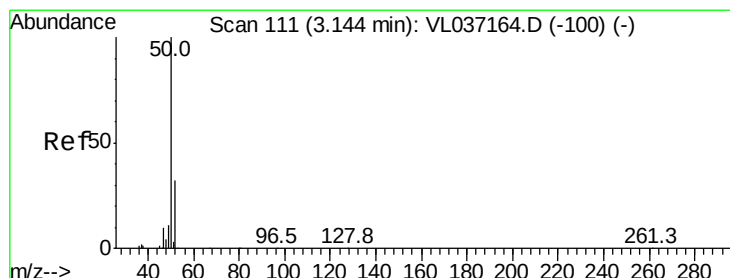
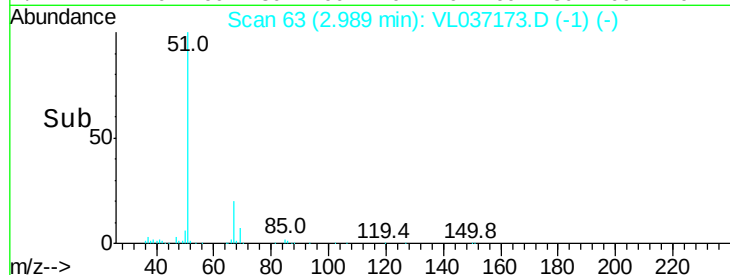
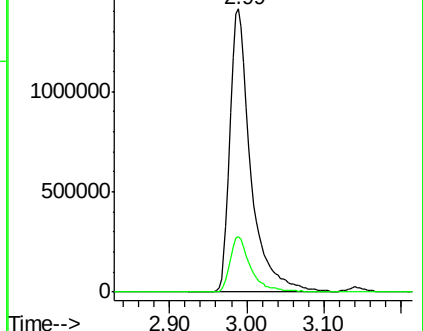
51 100

67 19.7 15.8 23.6



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.091 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL037173.D

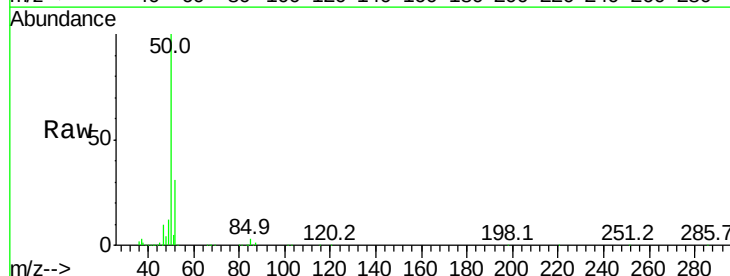
Acq: 16 Jun 2021 16:40

Tgt Ion: 50 Resp: 869036

Ion Ratio Lower Upper

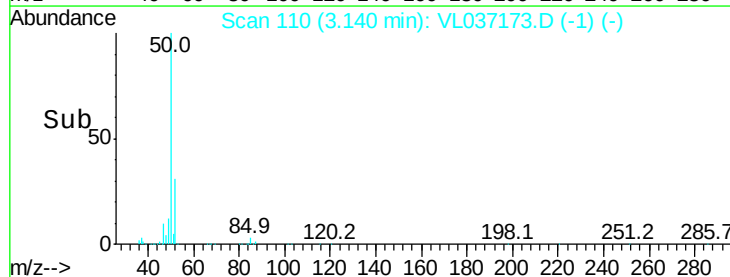
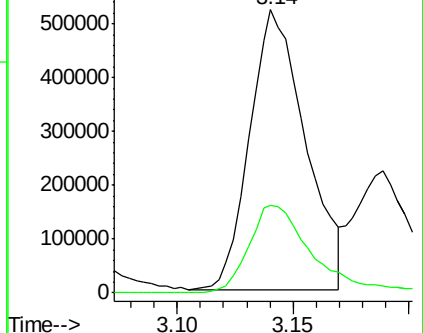
50 100

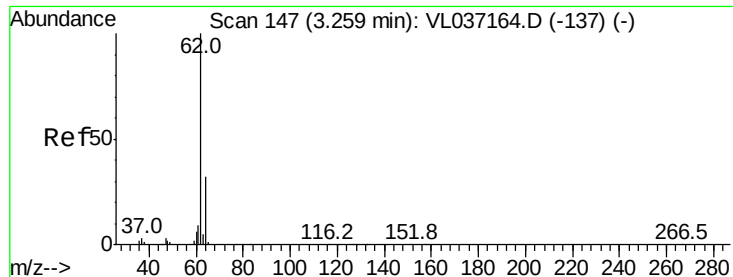
52 31.4 25.8 38.8



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.116 ppbv

RT: 3.26 min Scan# 147

Delta R.T. -0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

Instrument :

MSVOA_L

ClientSampleId :

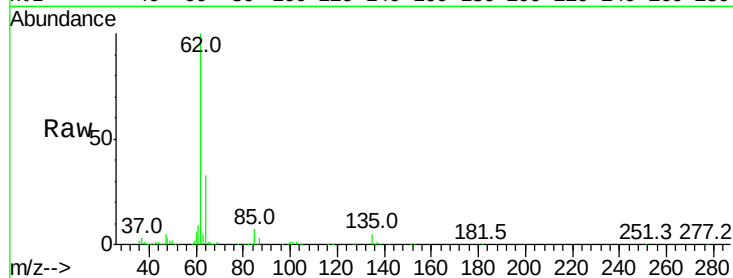
VL0616ABS01

Tgt Ion: 62 Resp: 957782

Ion Ratio Lower Upper

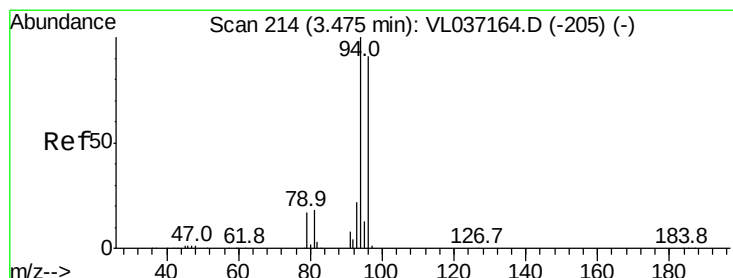
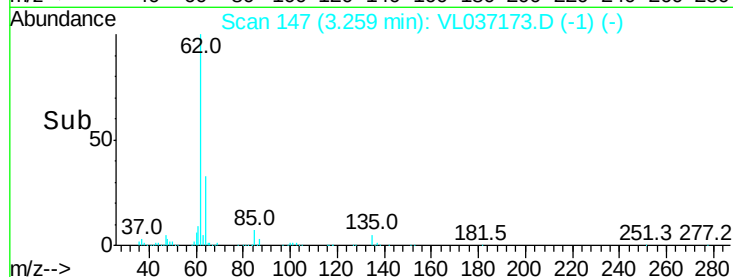
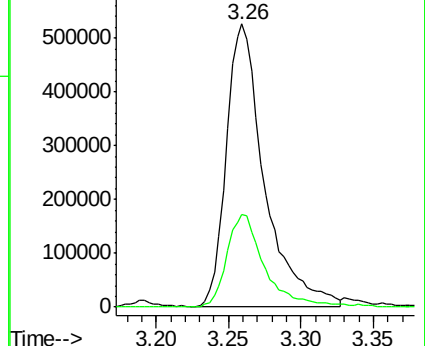
62 100

64 32.7 25.6 38.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.318 ppbv

RT: 3.47 min Scan# 214

Delta R.T. -0.00 min

Lab File: VL037173.D

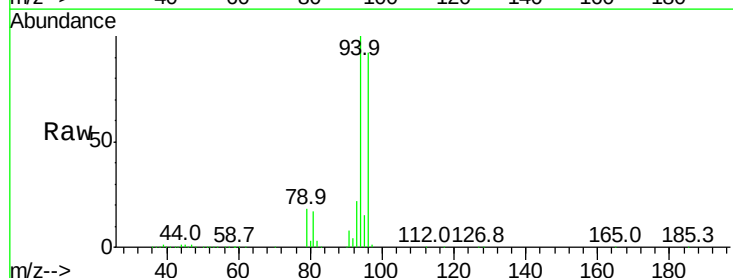
Acq: 16 Jun 2021 16:40

Tgt Ion: 94 Resp: 584042

Ion Ratio Lower Upper

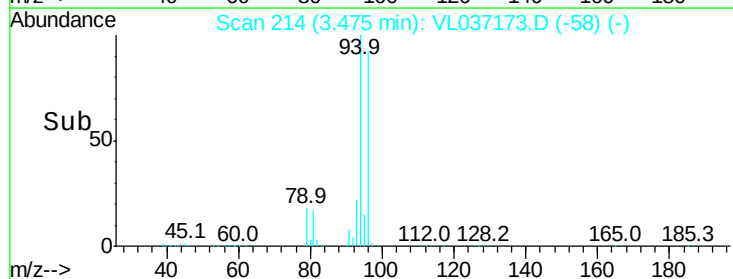
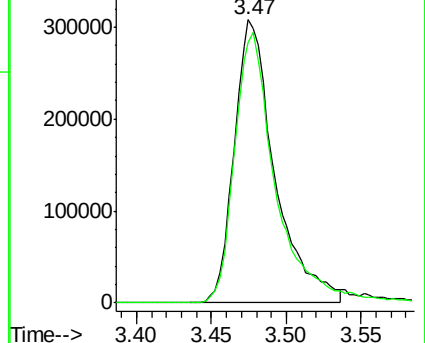
94 100

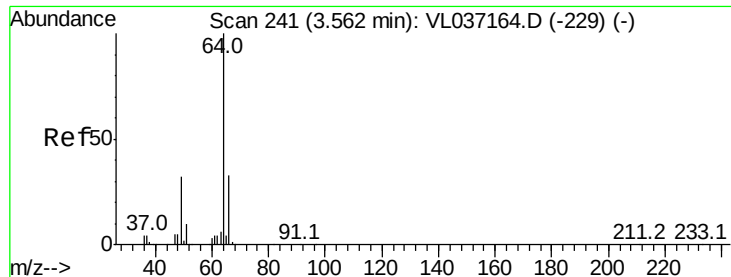
96 92.1 72.6 108.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.281 ppbv

RT: 3.56 min Scan# 240

Delta R.T. -0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

Instrument :

MSVOA_L

ClientSampleId :

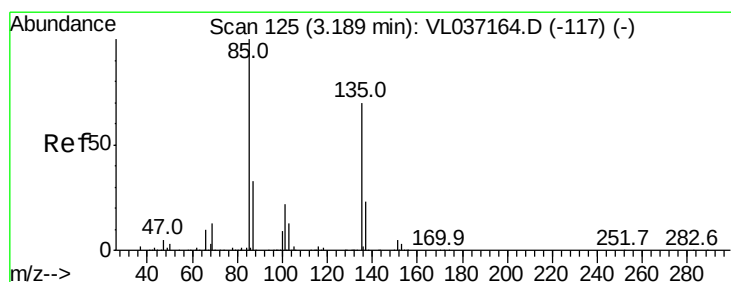
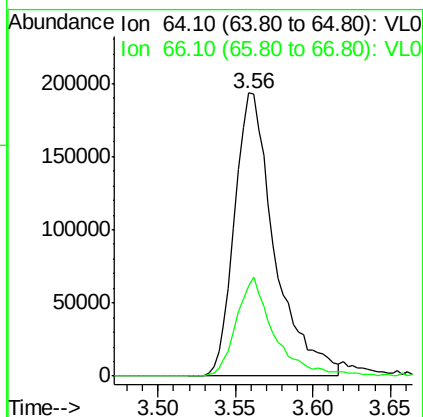
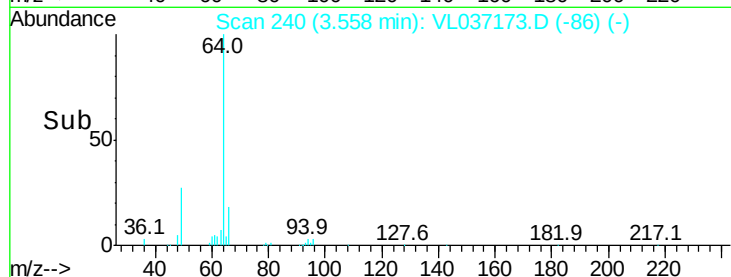
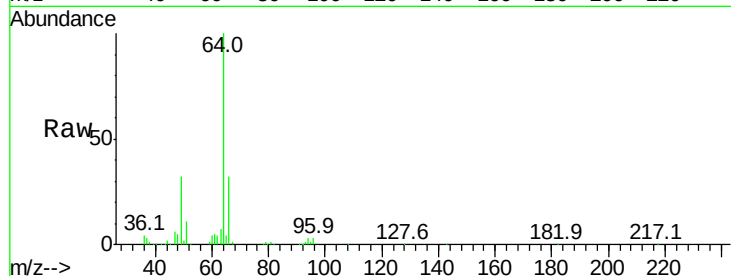
VL0616ABS01

Tgt Ion: 64 Resp: 348540

Ion Ratio Lower Upper

64 100

66 31.9 26.2 39.4



#8

Dichlorotetrafluoroethane

Concen: 9.364 ppbv

RT: 3.19 min Scan# 125

Delta R.T. -0.00 min

Lab File: VL037173.D

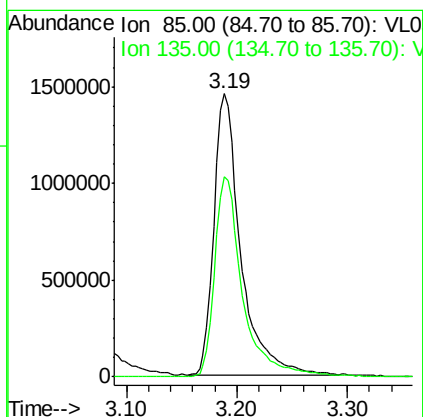
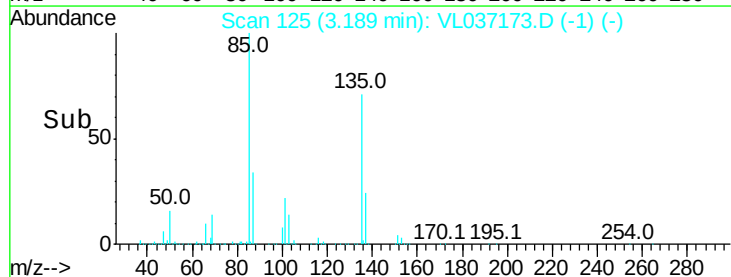
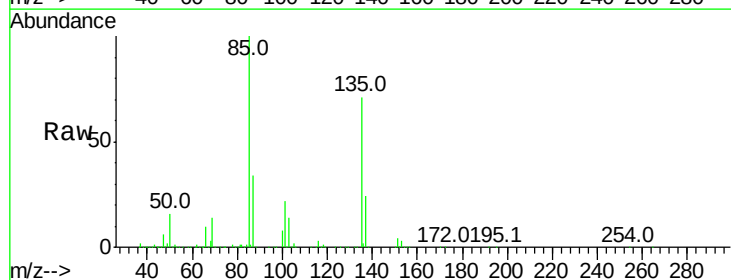
Acq: 16 Jun 2021 16:40

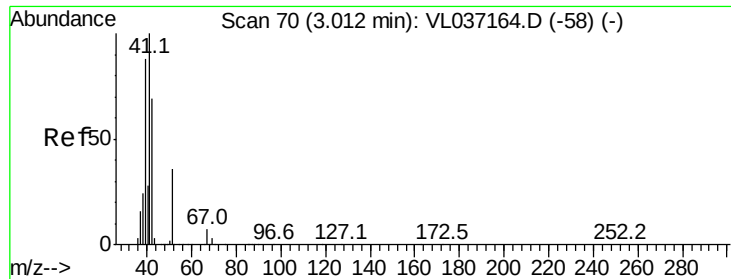
Tgt Ion: 85 Resp: 2464351

Ion Ratio Lower Upper

85 100

135 74.3 60.4 90.6





#9

Propene

Concen: 8.933 ppbv

RT: 3.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

Instrument :

MSVOA_L

ClientSampleId :

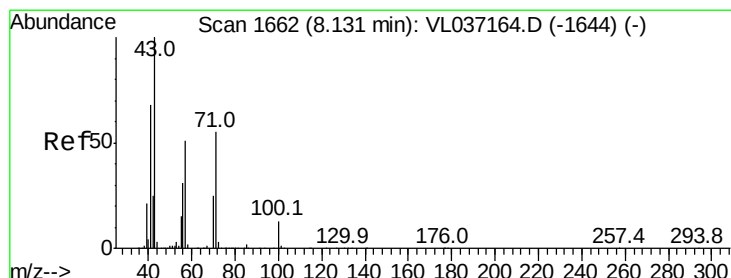
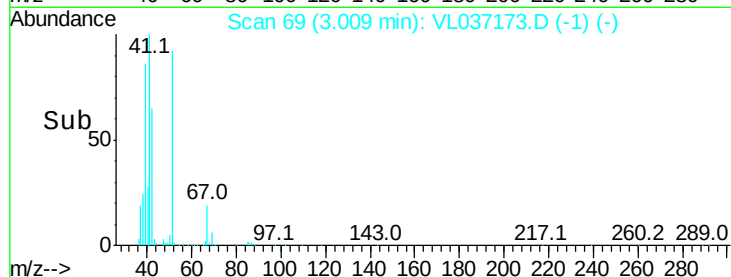
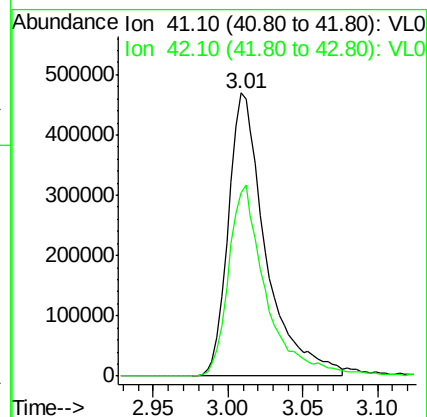
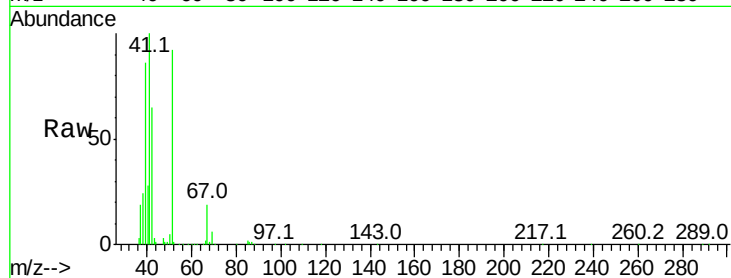
VL0616ABS01

Tgt Ion: 41 Resp: 819313

Ion Ratio Lower Upper

41 100

42 68.4 54.5 81.7



#10

Heptane

Concen: 9.577 ppbv

RT: 8.13 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VL037173.D

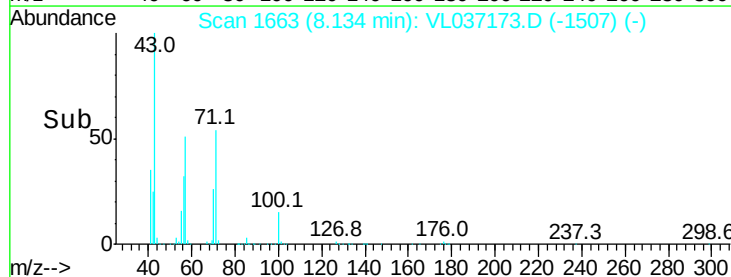
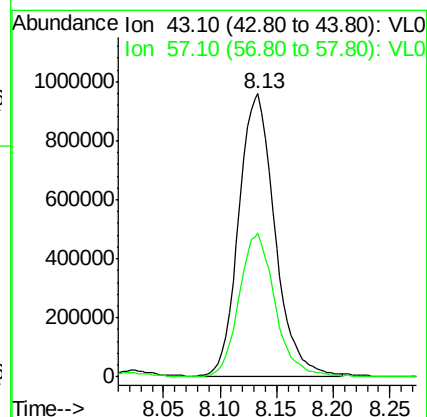
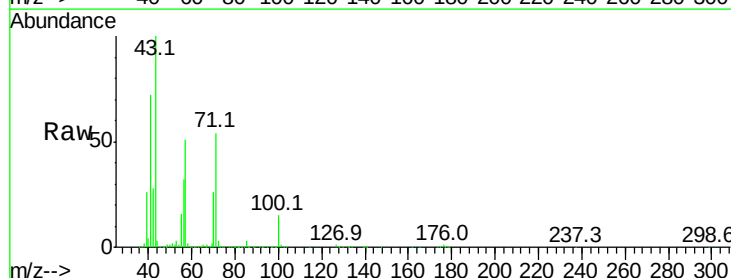
Acq: 16 Jun 2021 16:40

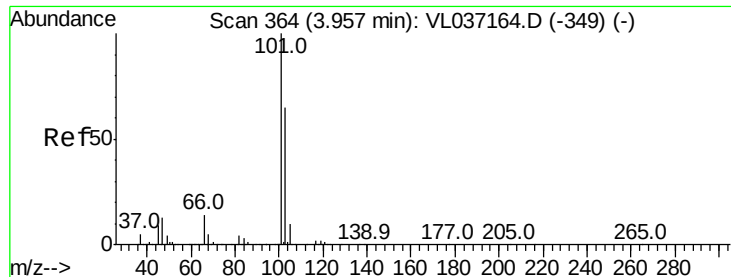
Tgt Ion: 43 Resp: 2127345

Ion Ratio Lower Upper

43 100

57 50.6 40.6 61.0





#11

Trichlorofluoromethane

Concen: 9.314 ppbv

RT: 3.95 min Scan# 363

Delta R.T. -0.00 min

Lab File: VL037173.D

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ClientSampleId :

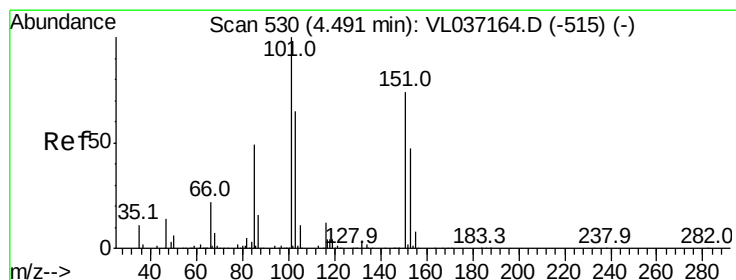
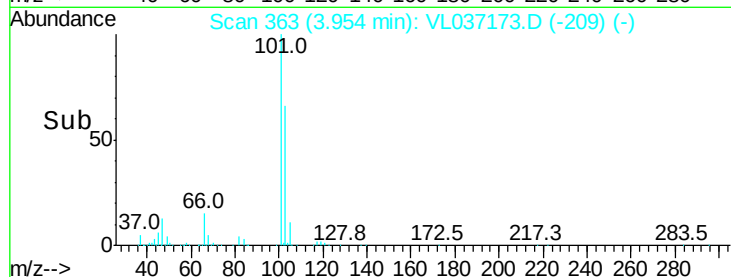
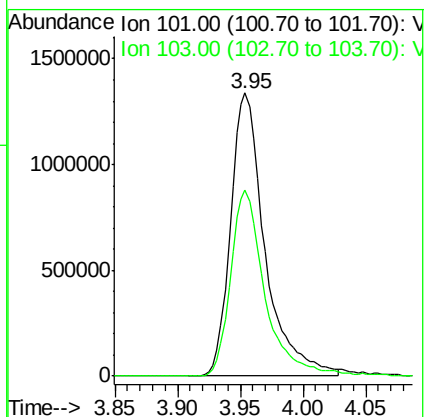
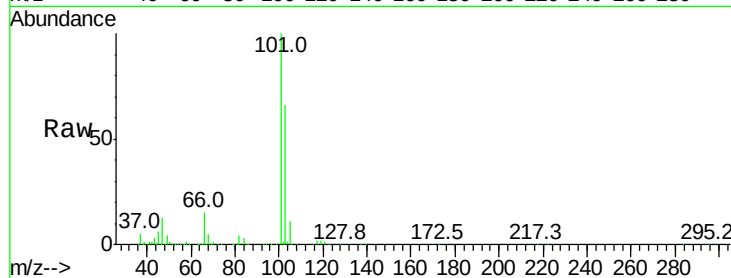
VL0616ABS01

Tgt Ion:101 Resp: 2549765

Ion Ratio Lower Upper

101 100

103 66.0 52.2 78.4



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.258 ppbv

RT: 4.49 min Scan# 529

Delta R.T. -0.00 min

Lab File: VL037173.D

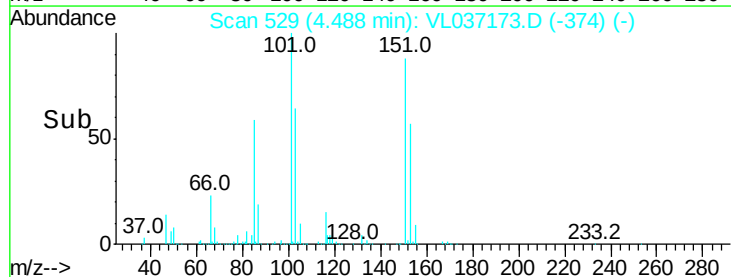
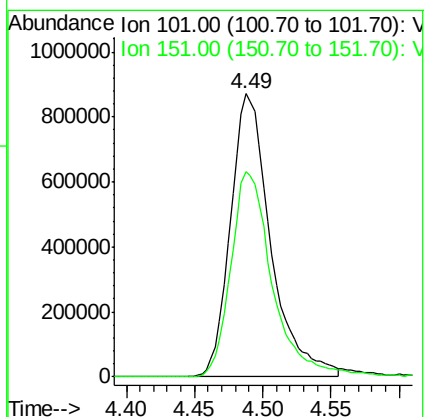
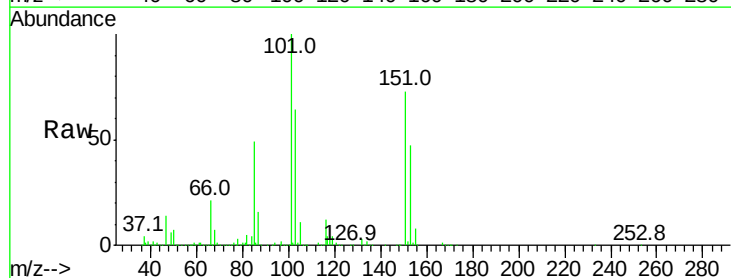
Acq: 16 Jun 2021 16:40

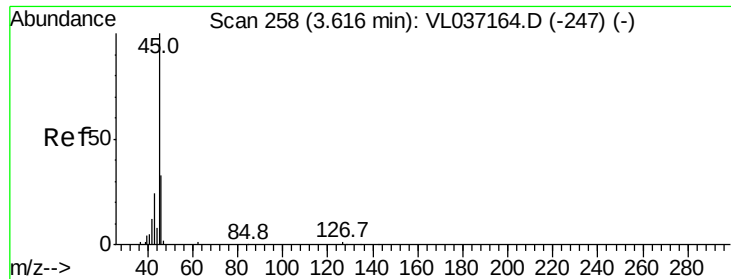
Tgt Ion:101 Resp: 1786480

Ion Ratio Lower Upper

101 100

151 75.6 59.1 88.7





#13

Ethanol

Concen: 3.737 ppbv

RT: 3.62 min Scan# 259

Delta R.T. 0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

Instrument :

MSVOA_L

ClientSampleId :

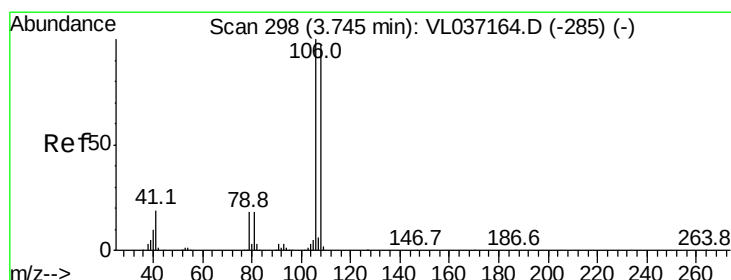
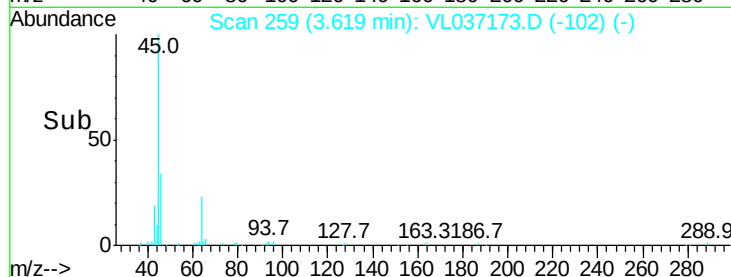
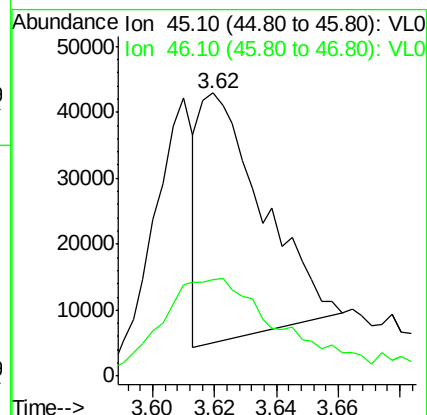
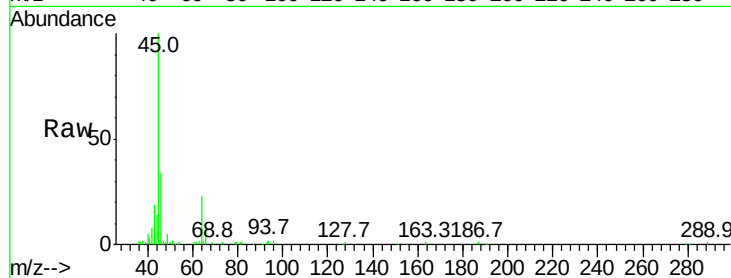
VL0616ABS01

Tgt Ion: 45 Resp: 53021

Ion Ratio Lower Upper

45 100

46 91.6 34.2 137.0



#14

Bromoethene

Concen: 9.457 ppbv

RT: 3.74 min Scan# 297

Delta R.T. -0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

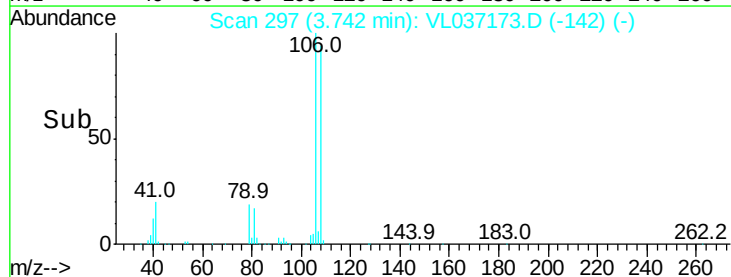
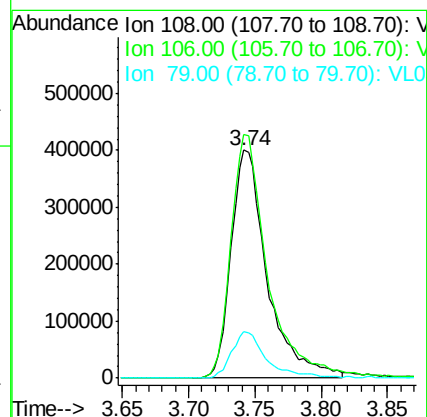
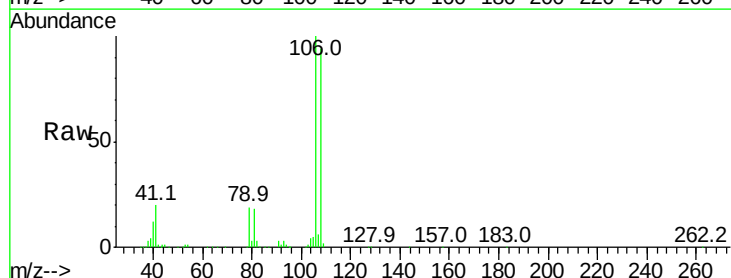
Tgt Ion: 108 Resp: 761628

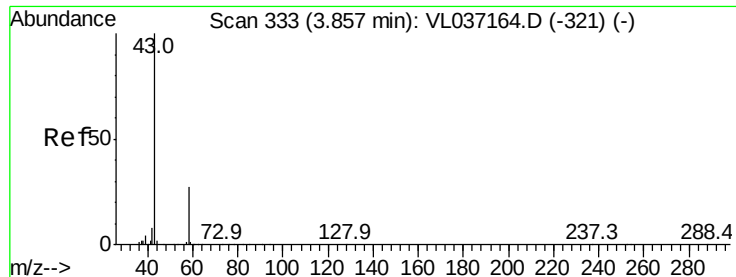
Ion Ratio Lower Upper

108 100

106 109.9 86.8 130.2

79 20.0 15.6 23.4





#15

Acetone

Concen: 7.754 ppbv

RT: 3.85 min Scan# 332

Delta R.T. -0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

Instrument :

MSVOA_L

ClientSampleId :

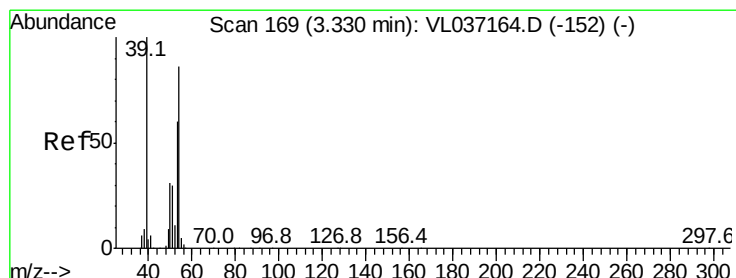
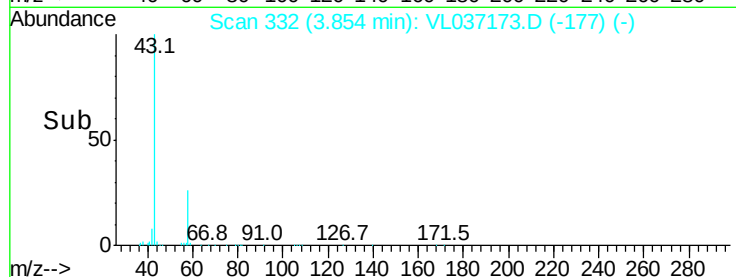
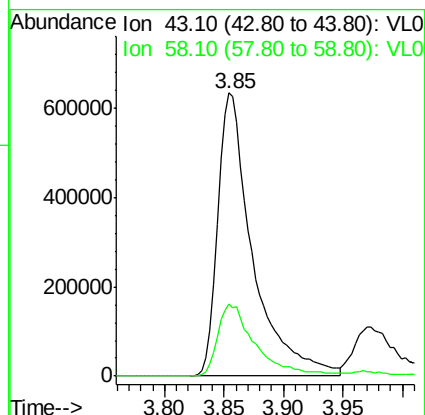
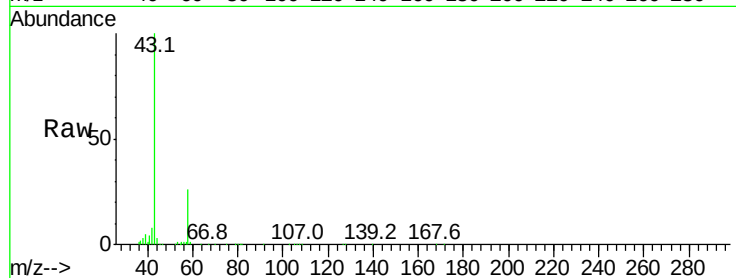
VL0616ABS01

Tgt Ion: 43 Resp: 1289874

Ion Ratio Lower Upper

43 100

58 27.5 23.7 35.5



#16

1,3-Butadiene

Concen: 9.647 ppbv

RT: 3.33 min Scan# 169

Delta R.T. -0.00 min

Lab File: VL037173.D

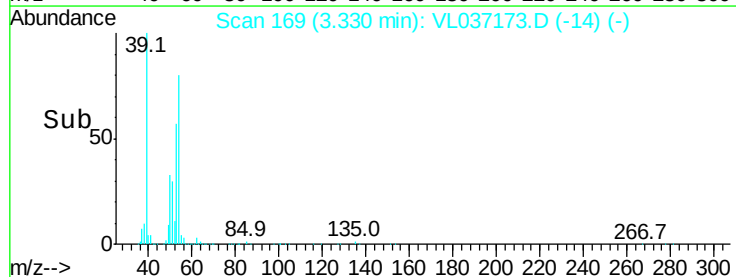
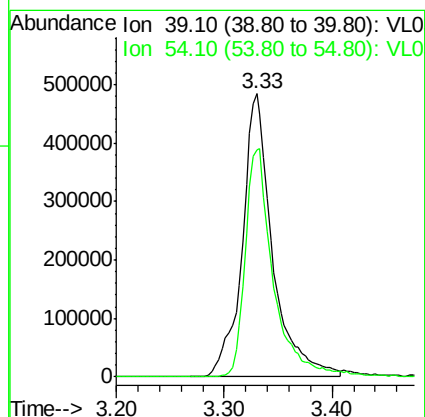
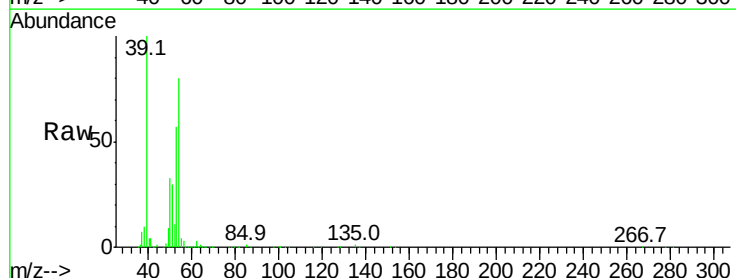
Acq: 16 Jun 2021 16:40

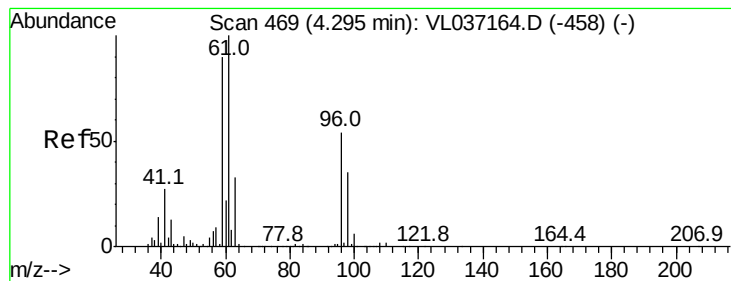
Tgt Ion: 39 Resp: 948716

Ion Ratio Lower Upper

39 100

54 75.7 61.2 91.8





#17

tert-Butyl alcohol

Concen: 9.988 ppbv

RT: 4.29 min Scan# 469

Delta R.T. -0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

Instrument :

MSVOA_L

ClientSampleId :

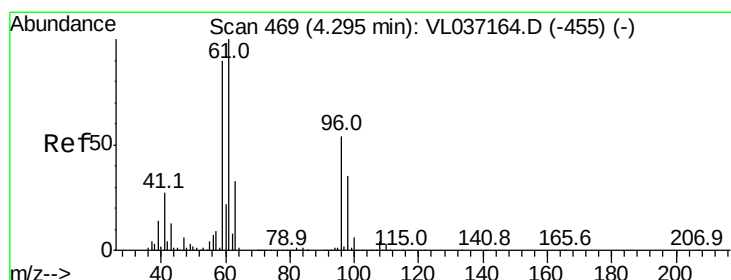
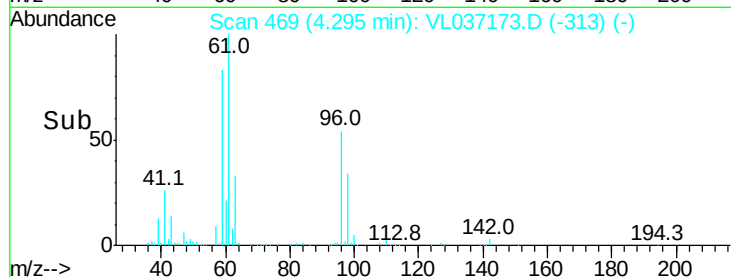
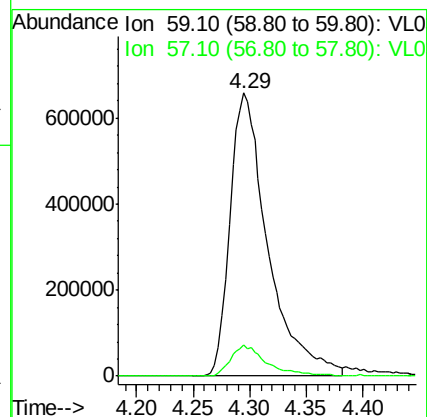
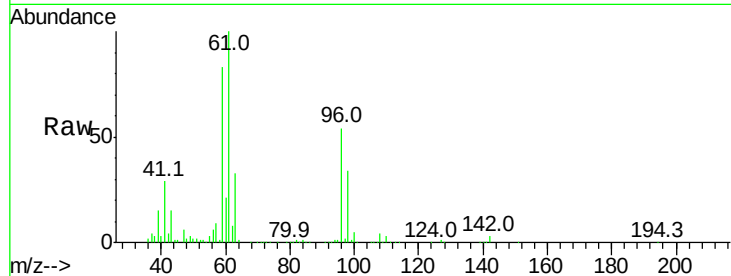
VL0616ABS01

Tgt Ion: 59 Resp: 1535529

Ion Ratio Lower Upper

59 100

57 11.0 8.8 13.2



#18

1,1-Dichloroethene

Concen: 9.567 ppbv

RT: 4.29 min Scan# 469

Delta R.T. -0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

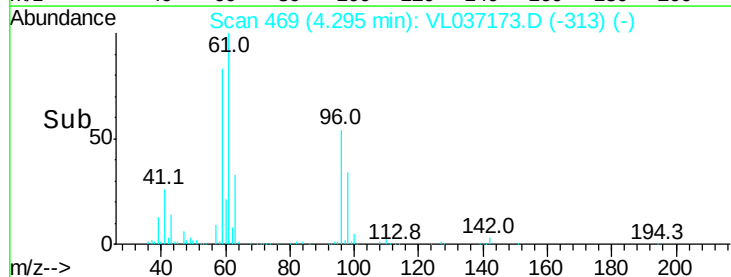
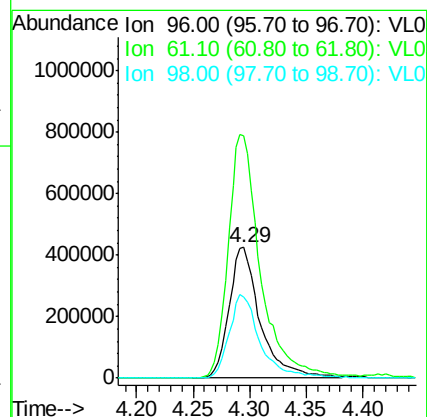
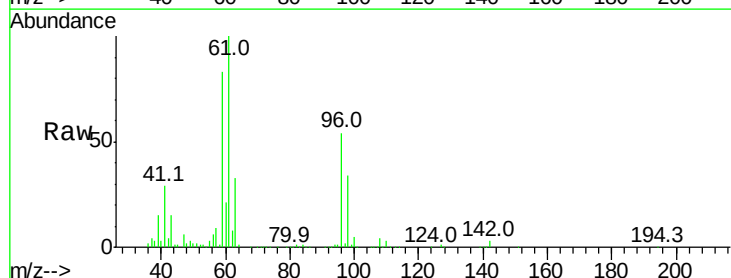
Tgt Ion: 96 Resp: 818051

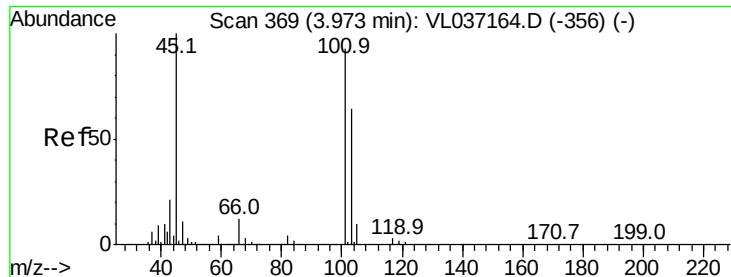
Ion Ratio Lower Upper

96 100

61 185.5 148.6 222.8

98 62.4 51.9 77.9





#19

Isopropyl Alcohol

Concen: 9.164 ppbv

RT: 3.97 min Scan# 368

Delta R.T. -0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

Instrument :

MSVOA_L

ClientSampleId :

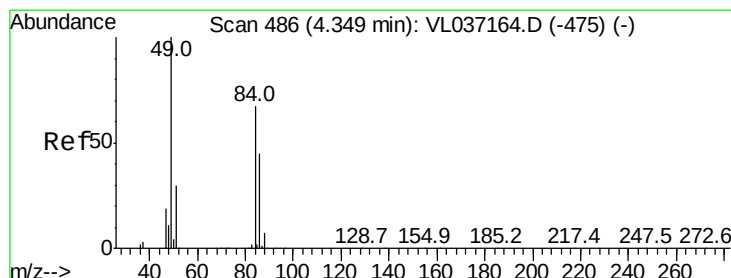
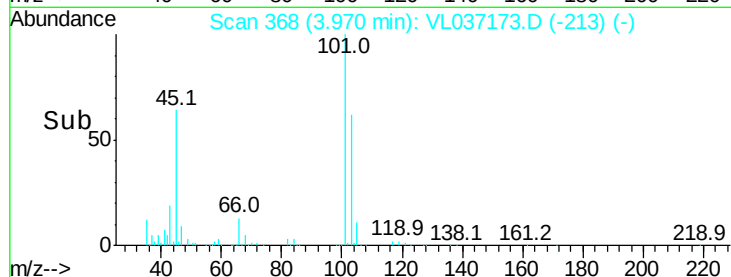
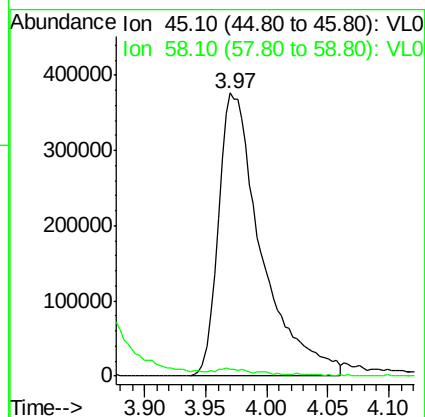
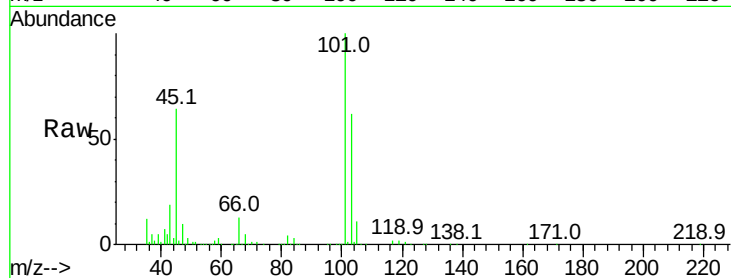
VL0616ABS01

Tgt Ion: 45 Resp: 923262

Ion Ratio Lower Upper

45 100

58 2.3 2.4 3.6#



#20

Methylene Chloride

Concen: 7.063 ppbv

RT: 4.35 min Scan# 485

Delta R.T. -0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

Tgt Ion: 84 Resp: 703354

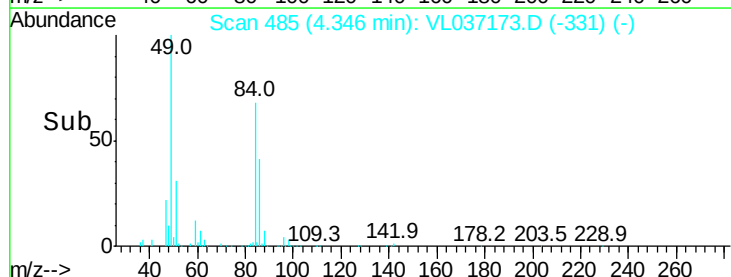
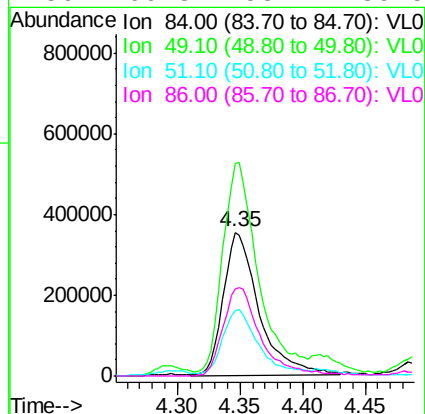
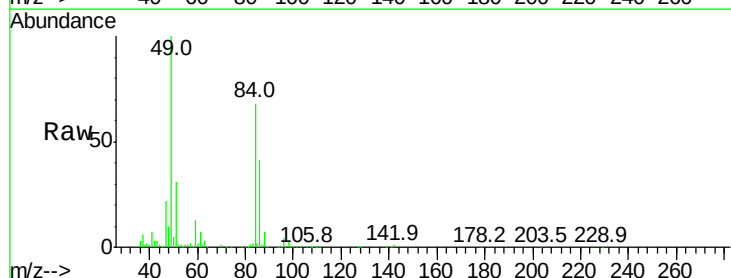
Ion Ratio Lower Upper

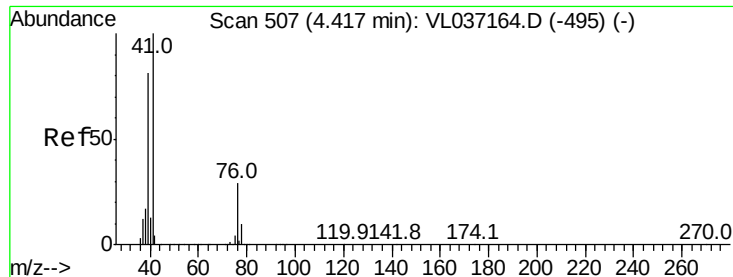
84 100

49 145.6 119.7 179.5

51 43.7 36.1 54.1

86 60.8 53.7 80.5





#21

Allyl Chloride

Concen: 9.407 ppbv

RT: 4.41 min Scan# 506

Delta R.T. -0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

Instrument :

MSVOA_L

ClientSampleId :

VL0616ABS01

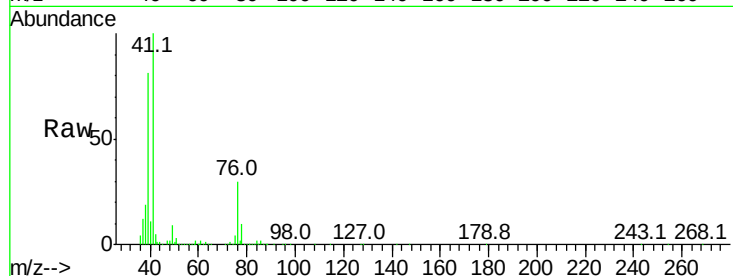
Tgt Ion: 41 Resp: 1179536

Ion Ratio Lower Upper

41 100

76 30.9 24.6 37.0

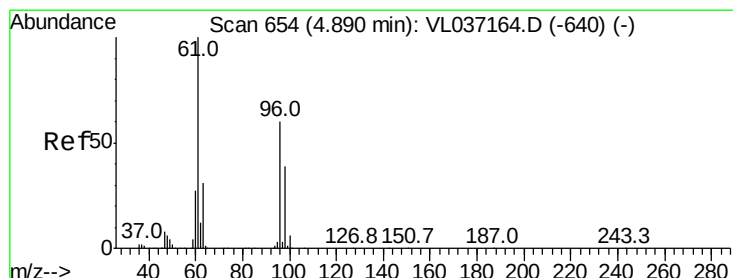
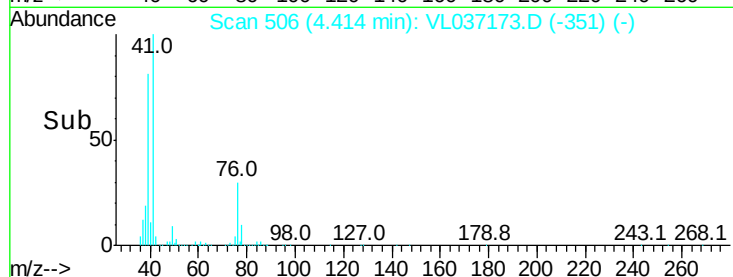
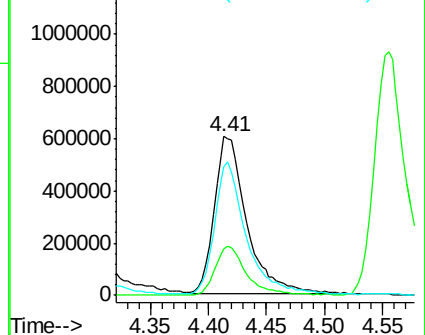
39 85.3 65.4 98.0



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 9.431 ppbv

RT: 4.89 min Scan# 654

Delta R.T. -0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

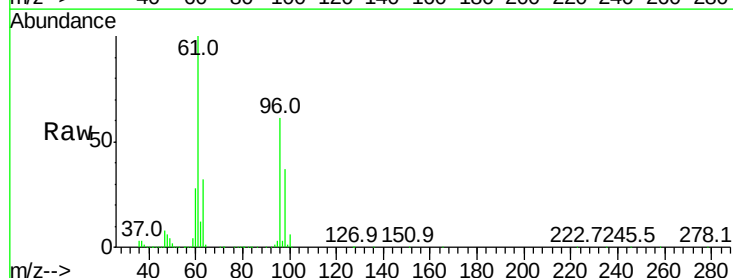
Tgt Ion: 96 Resp: 798001

Ion Ratio Lower Upper

96 100

61 165.0 133.9 200.9

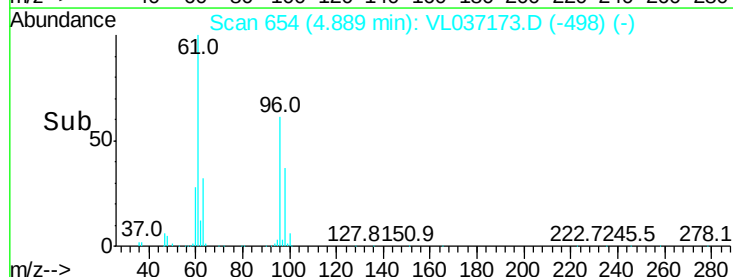
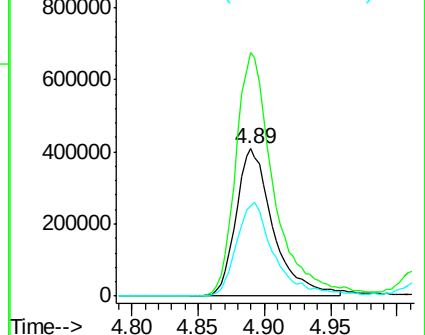
98 61.0 52.9 79.3

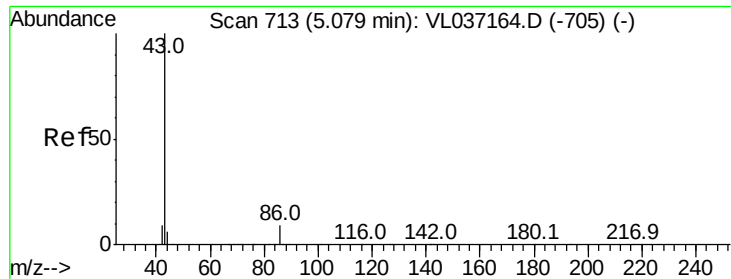


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 9.800 ppbv

RT: 5.08 min Scan# 713

Delta R.T. -0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

Instrument :

MSVOA_L

ClientSampleId :

VL0616ABS01

Tgt Ion: 43 Resp: 2337440

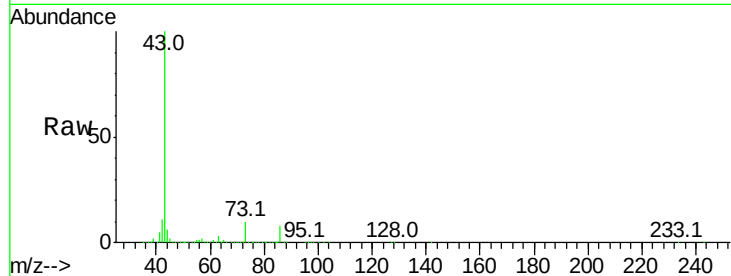
Ion Ratio Lower Upper

43 100

86 7.9 5.8 8.8

42 10.6 8.2 12.2

44 4.9 4.2 6.4

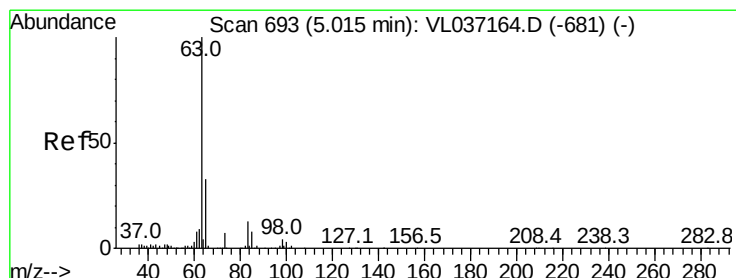
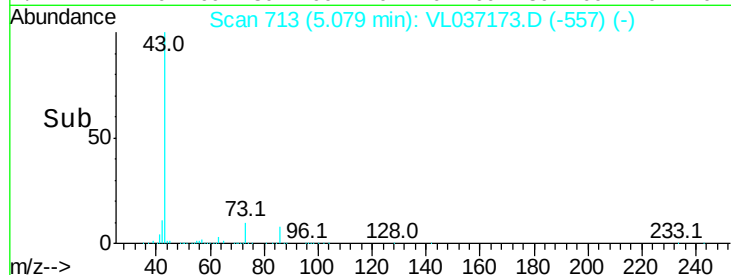
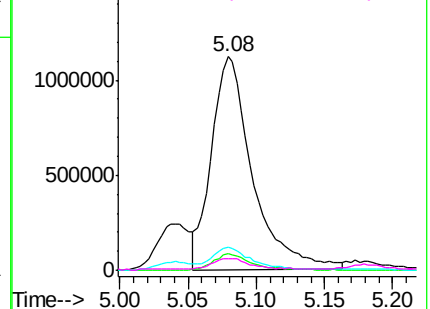


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.244 ppbv

RT: 5.01 min Scan# 693

Delta R.T. -0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

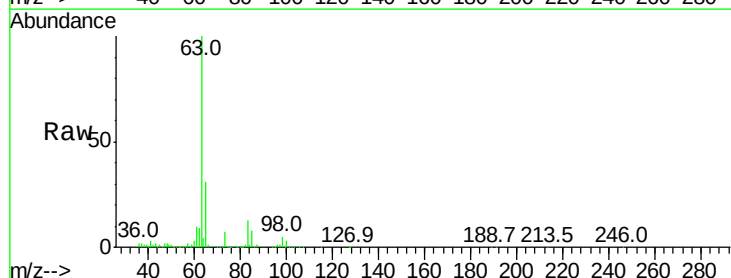
Tgt Ion: 63 Resp: 1775163

Ion Ratio Lower Upper

63 100

98 4.5 2.1 6.5

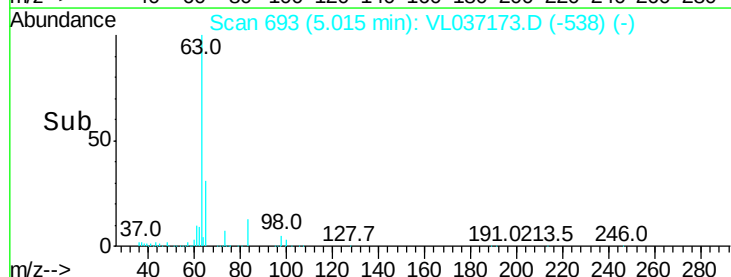
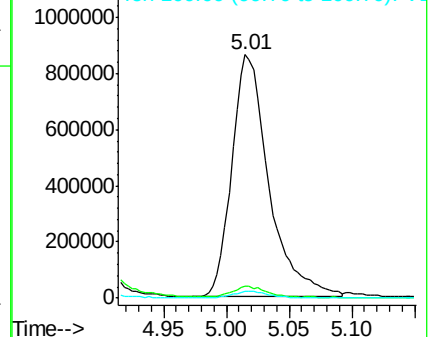
100 2.8 1.4 4.0

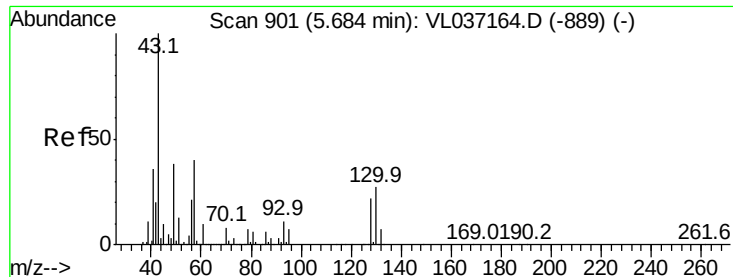


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



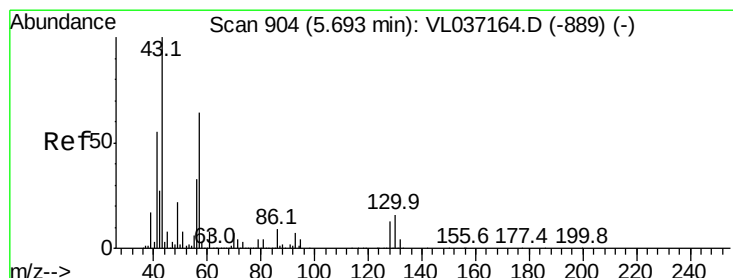
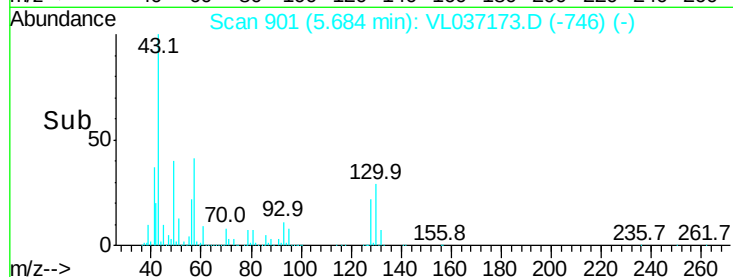
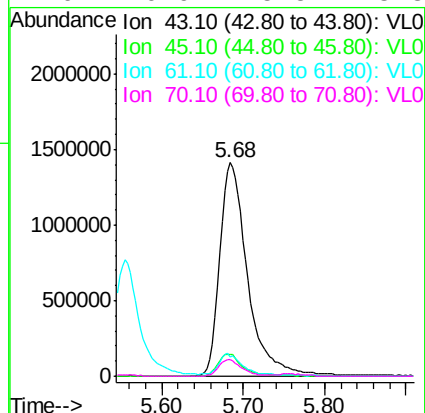
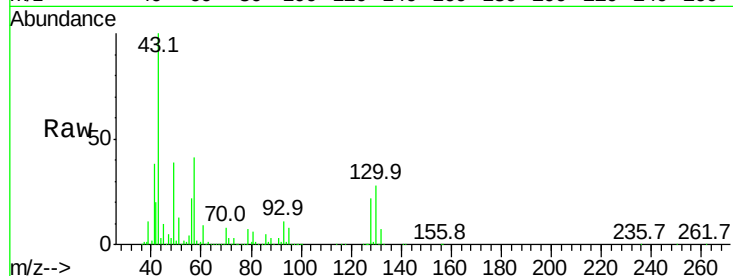


#25
Ethyl Acetate
Concen: 9.437 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.00 min
Lab File: VL037173.D
Acq: 16 Jun 2021 16:40

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tgt Ion: 43 Resp: 3398475

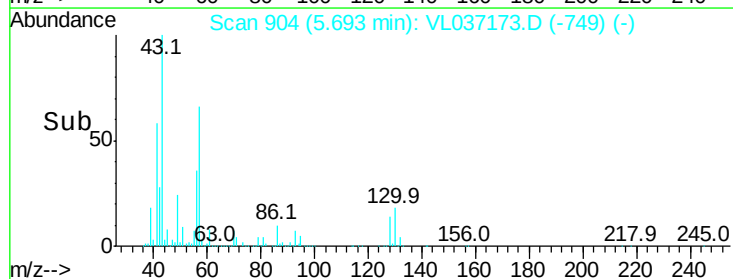
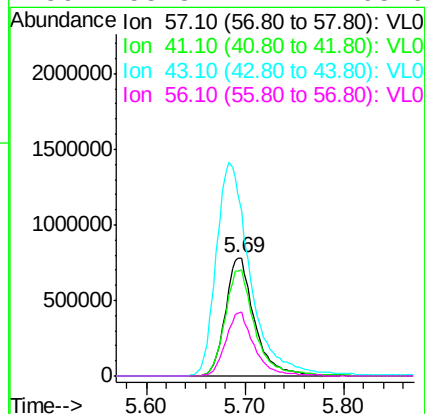
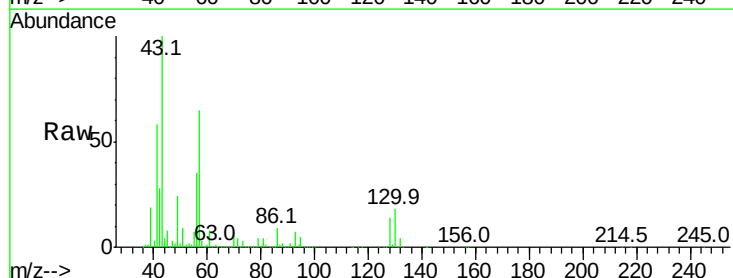
Ion	Ratio	Lower	Upper
43	100		
45	9.5	8.0	12.0
61	9.8	8.1	12.1
70	6.9	5.5	8.3

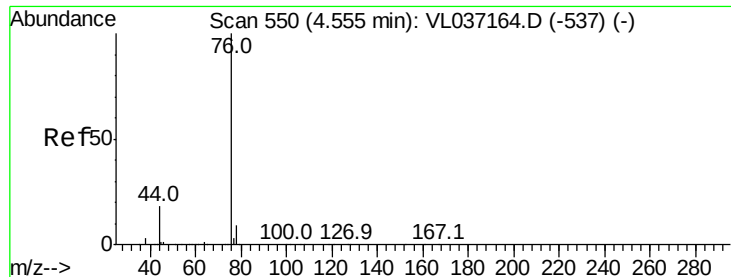


#26
Hexane
Concen: 8.939 ppbv
RT: 5.69 min Scan# 904
Delta R.T. -0.00 min
Lab File: VL037173.D
Acq: 16 Jun 2021 16:40

Tgt Ion: 57 Resp: 1627085

Ion	Ratio	Lower	Upper
57	100		
41	92.4	73.5	110.3
43	209.5	170.7	256.1
56	53.3	42.4	63.6





#27

Carbon Disulfide

Concen: 10.412 ppbv

RT: 4.56 min Scan# 550

Delta R.T. -0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

Instrument :

MSVOA_L

ClientSampleId :

VL0616ABS01

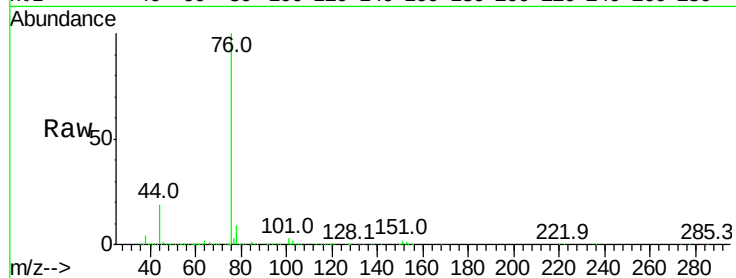
Tgt Ion: 76 Resp: 1856760

Ion Ratio Lower Upper

76 100

44 19.8 15.4 23.2

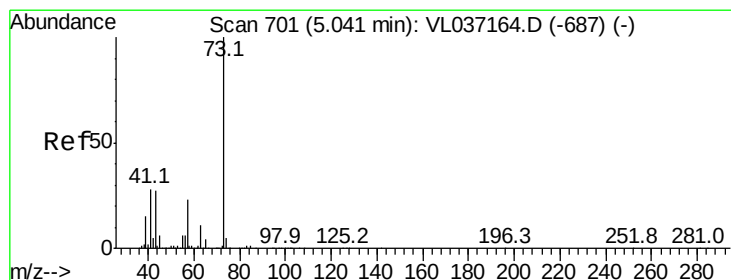
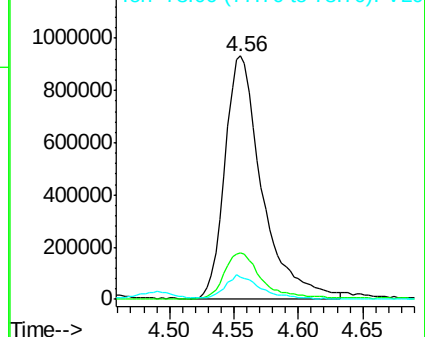
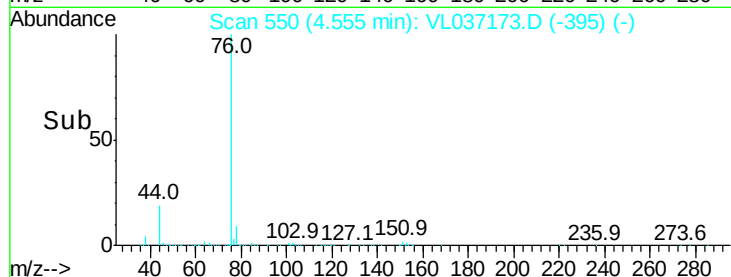
78 9.8 8.0 12.0



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: 9.258 ppbv

RT: 5.04 min Scan# 701

Delta R.T. -0.00 min

Lab File: VL037173.D

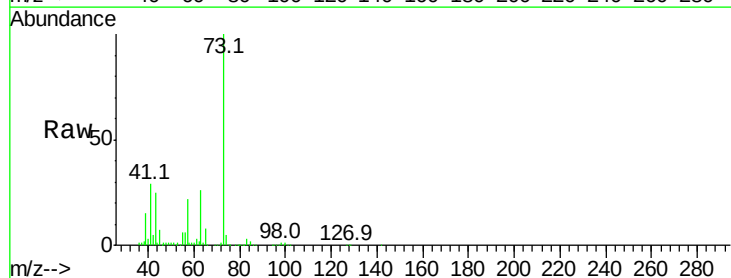
Acq: 16 Jun 2021 16:40

Tgt Ion: 73 Resp: 2025769

Ion Ratio Lower Upper

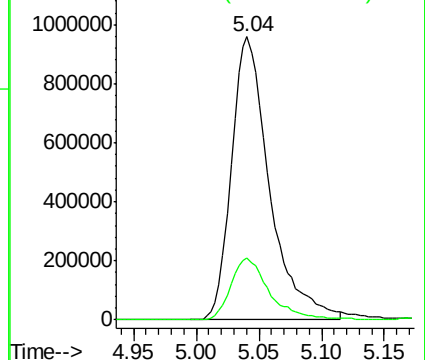
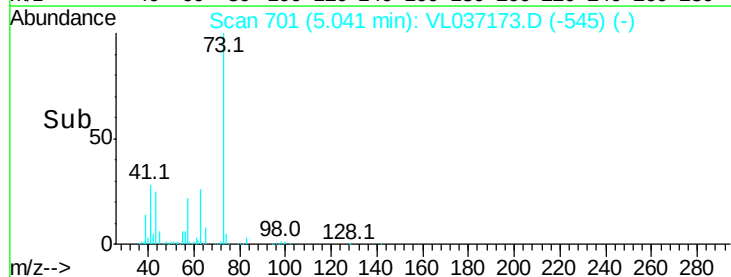
73 100

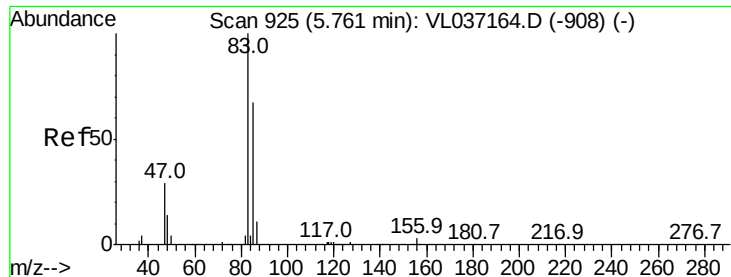
57 22.6 18.0 27.0



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 9.517 ppbv

RT: 5.76 min Scan# 924

Delta R.T. -0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

Instrument :

MSVOA_L

ClientSampleId :

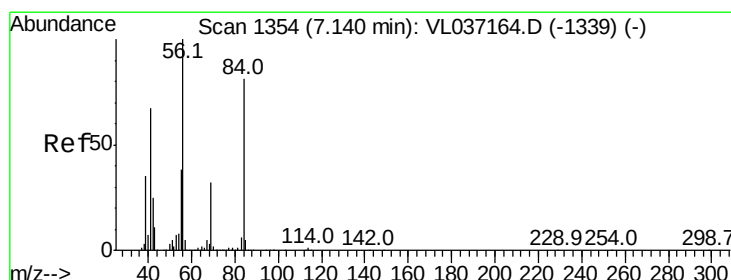
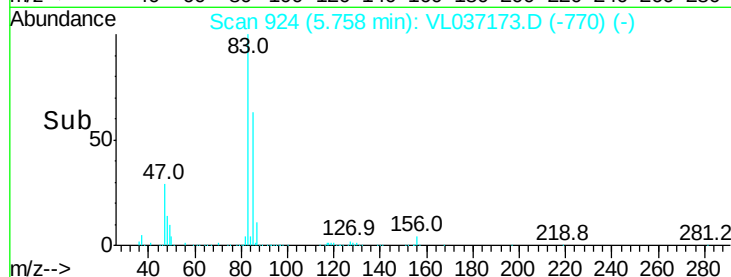
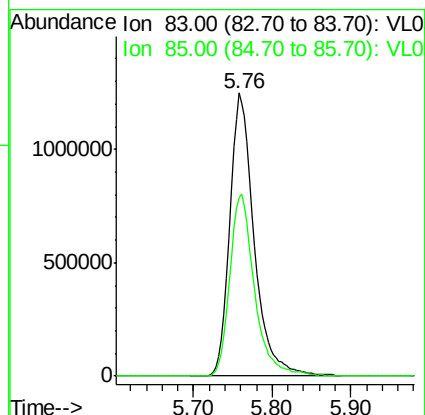
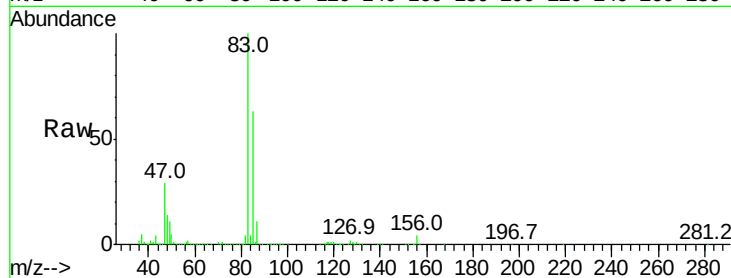
VL0616ABS01

Tgt Ion: 83 Resp: 2675818

Ion Ratio Lower Upper

83 100

85 62.9 53.6 80.4



#30

Cyclohexane

Concen: 9.364 ppbv

RT: 7.14 min Scan# 1353

Delta R.T. -0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

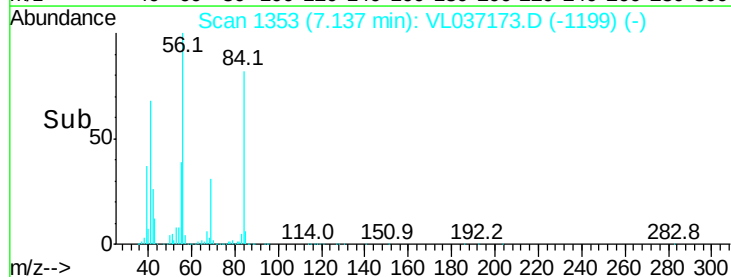
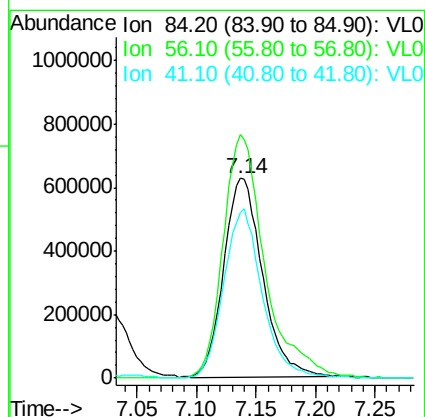
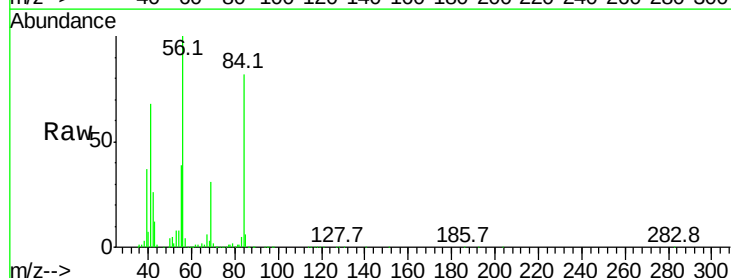
Tgt Ion: 84 Resp: 1420038

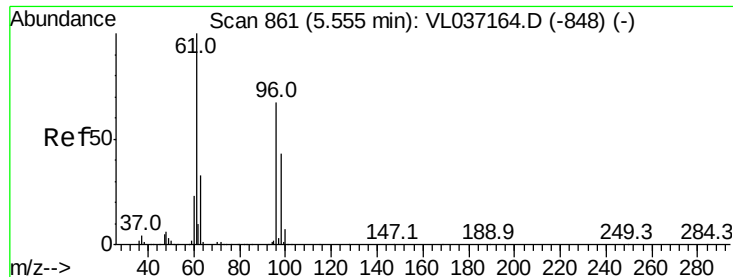
Ion Ratio Lower Upper

84 100

56 132.1 107.7 161.5

41 84.7 69.0 103.6





#31

cis-1,2-Dichloroethene

Concen: 9.691 ppbv

RT: 5.56 min Scan# 861

Delta R.T. -0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

Instrument :

MSVOA_L

ClientSampleId :

VL0616ABS01

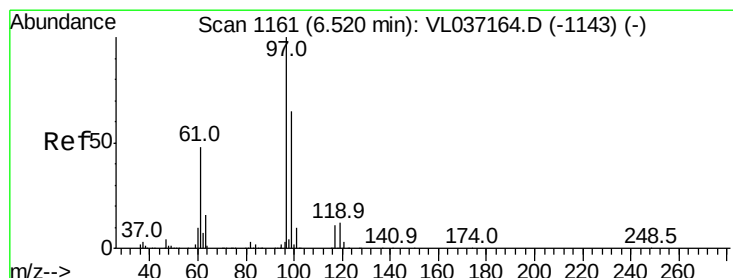
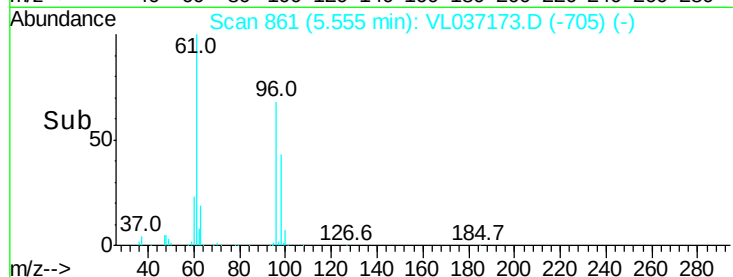
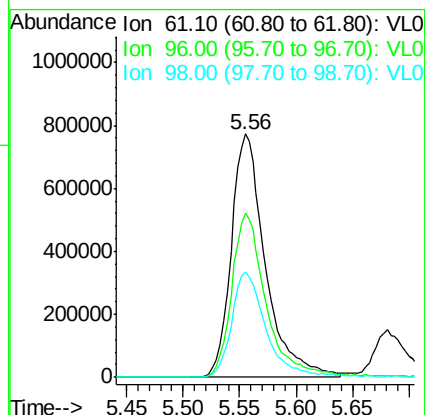
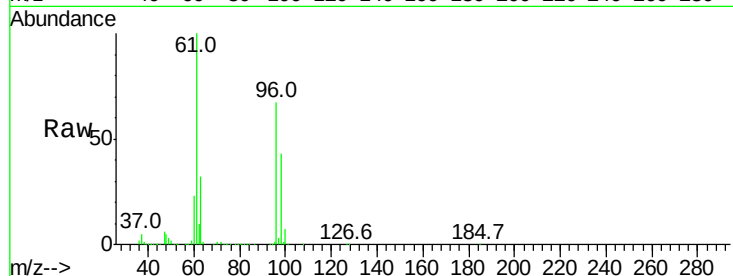
Tgt Ion: 61 Resp: 1620787

Ion Ratio Lower Upper

61 100

96 67.4 53.6 80.4

98 43.3 34.7 52.1



#32

1,1,1-Trichloroethane

Concen: 9.207 ppbv

RT: 6.52 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

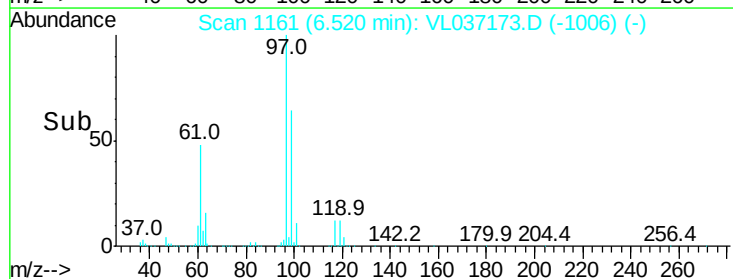
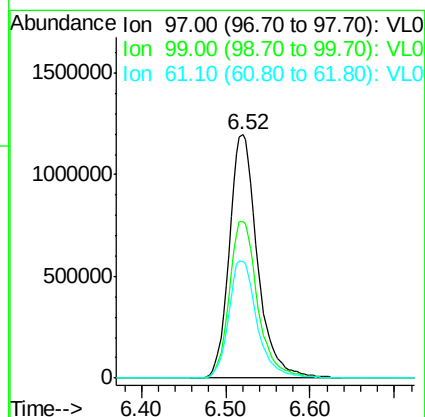
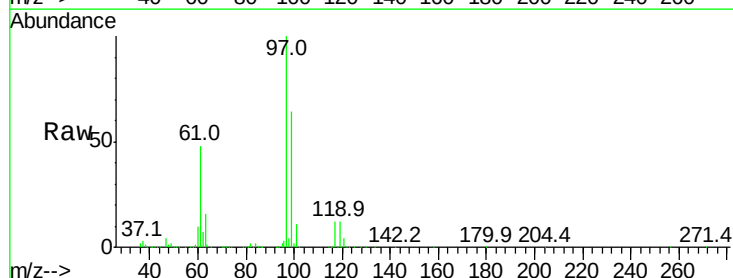
Tgt Ion: 97 Resp: 2770052

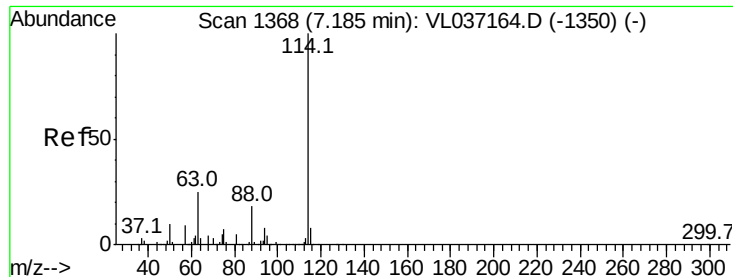
Ion Ratio Lower Upper

97 100

99 65.2 52.2 78.4

61 48.6 38.8 58.2

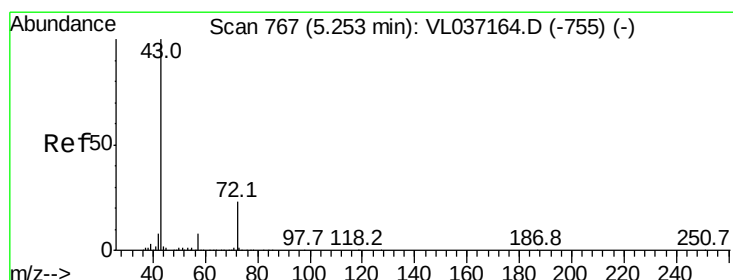
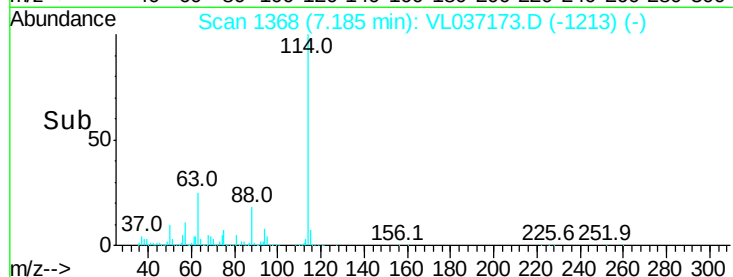
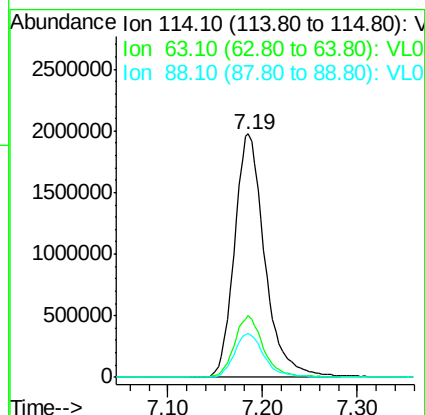
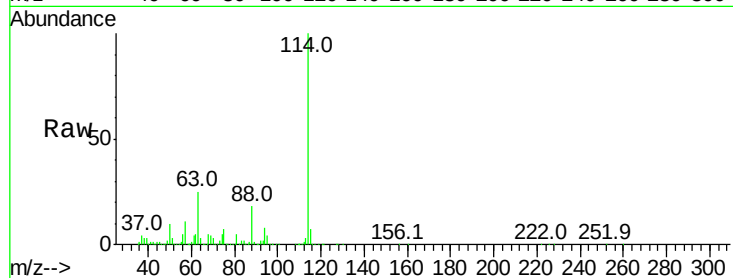




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VL037173.D
 Acq: 16 Jun 2021 16:40

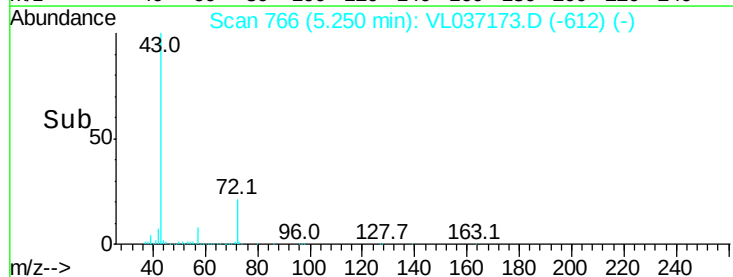
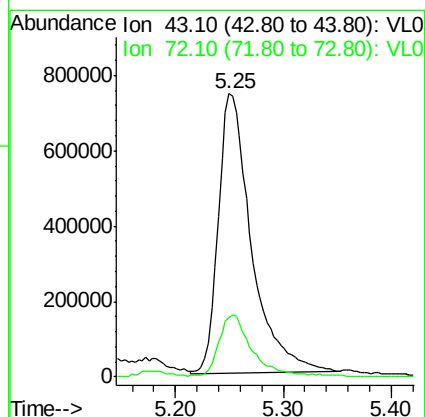
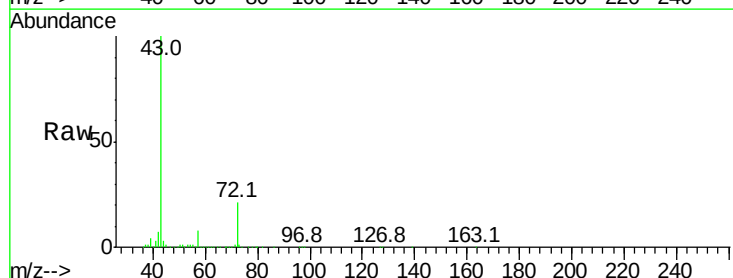
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0616ABS01

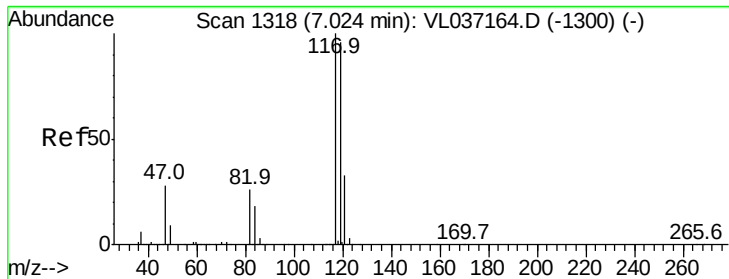
Tgt Ion:114 Resp: 4389856
 Ion Ratio Lower Upper
 114 100
 63 24.7 19.6 29.4
 88 17.9 14.2 21.2



#34
 2-Butanone
 Concen: 9.269 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. -0.00 min
 Lab File: VL037173.D
 Acq: 16 Jun 2021 16:40

Tgt Ion: 43 Resp: 1582435
 Ion Ratio Lower Upper
 43 100
 72 23.0 18.9 28.3





#35

Carbon Tetrachloride

Concen: 10.110 ppbv

RT: 7.02 min Scan# 1318

Delta R.T. -0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

Instrument :

MSVOA_L

ClientSampleId :

VL0616ABS01

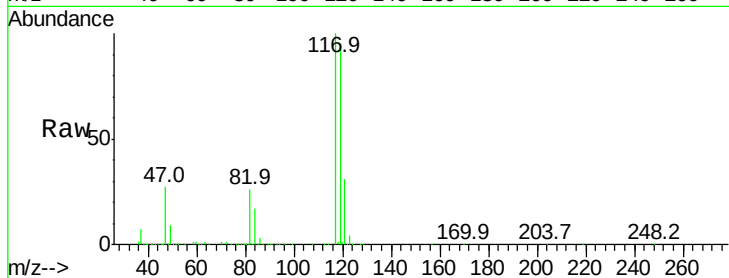
Tgt Ion:117 Resp: 2976833

Ion Ratio Lower Upper

117 100

119 95.4 76.6 114.8

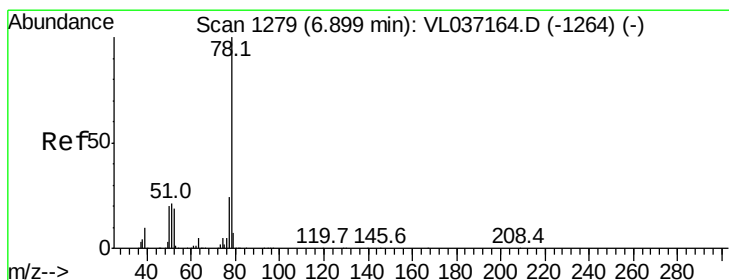
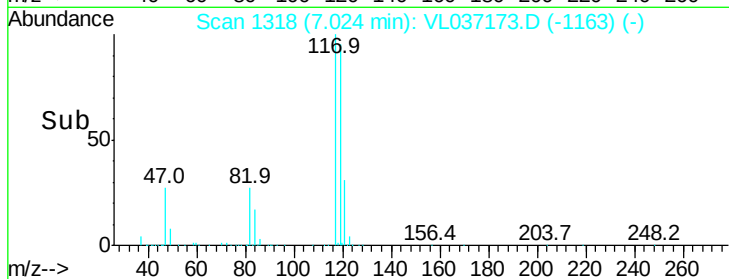
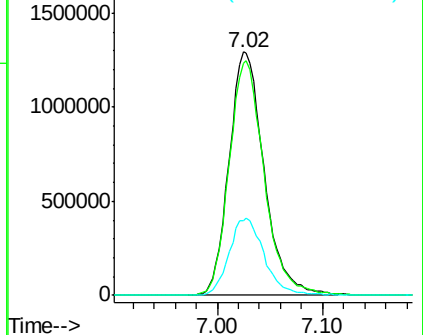
121 30.9 26.4 39.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.412 ppbv

RT: 6.90 min Scan# 1279

Delta R.T. -0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

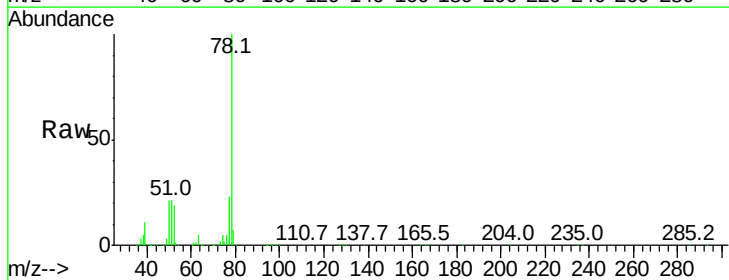
Tgt Ion: 78 Resp: 3340919

Ion Ratio Lower Upper

78 100

77 22.8 19.0 28.6

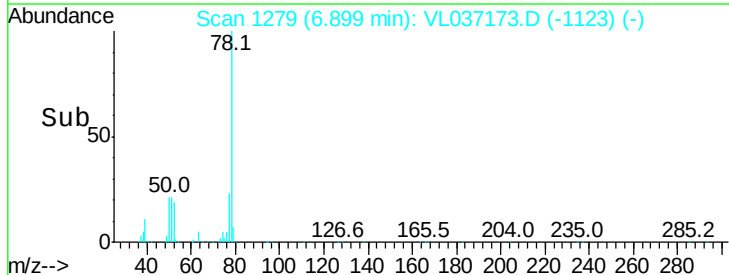
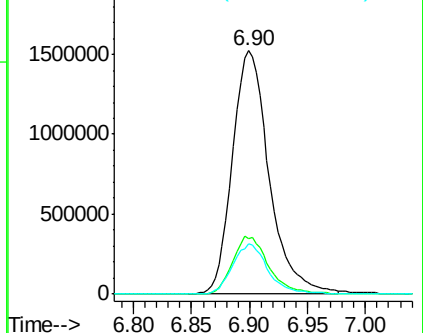
50 20.8 15.7 23.5

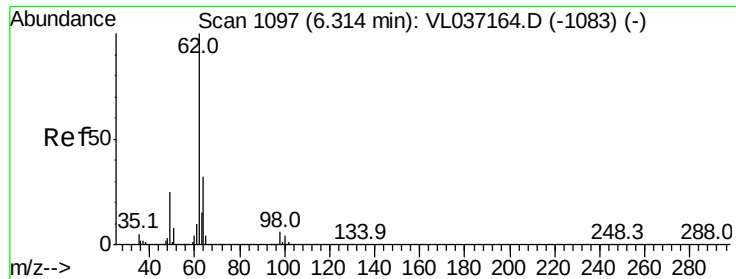


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

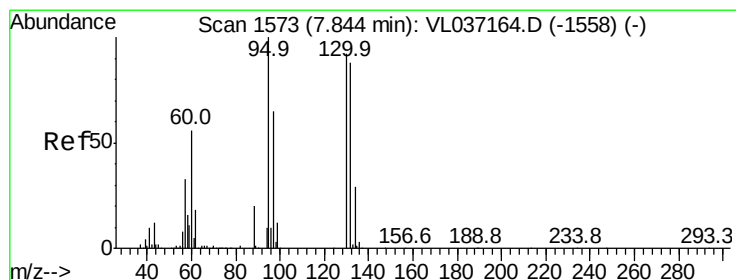
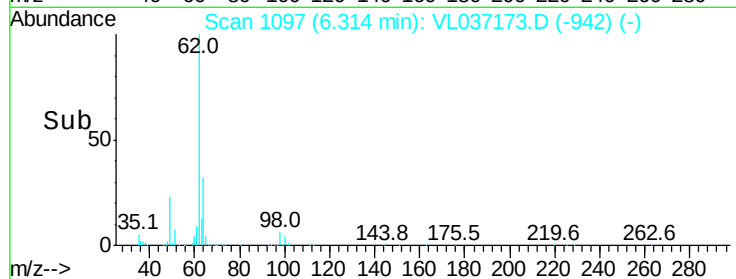
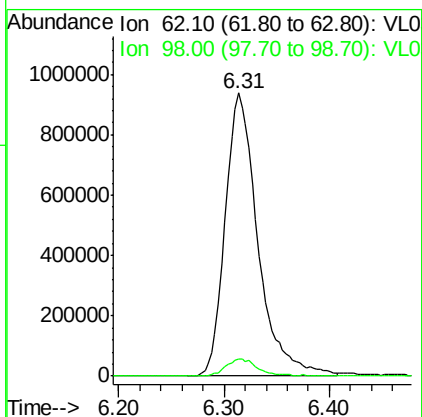
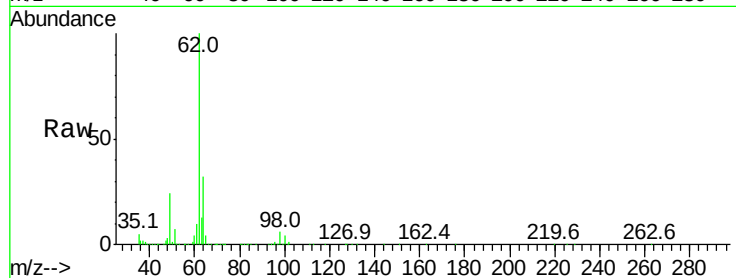




#37
 1,2-Dichloroethane
 Concen: 9.773 ppbv
 RT: 6.31 min Scan# 1097
 Delta R.T. -0.00 min
 Lab File: VL037173.D
 Acq: 16 Jun 2021 16:40

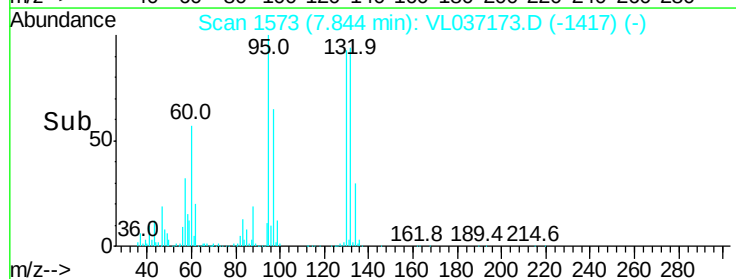
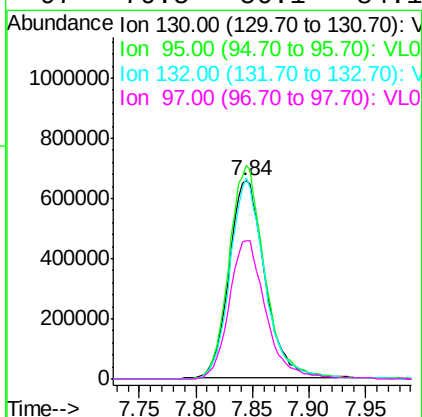
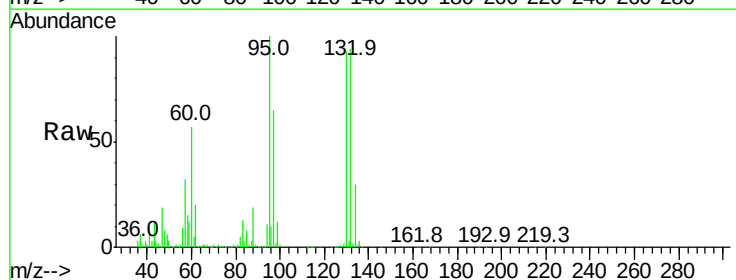
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0616ABS01

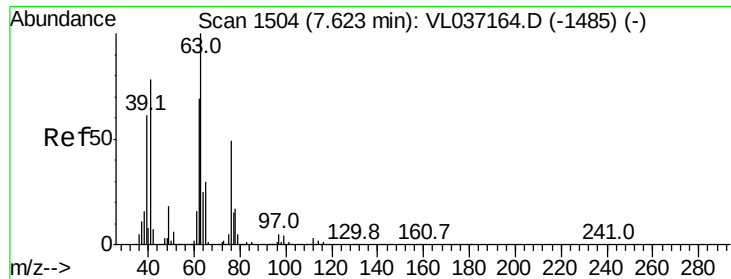
Tgt Ion: 62 Resp: 2015232
 Ion Ratio Lower Upper
 62 100
 98 6.1 5.0 7.6



#38
 Trichloroethene
 Concen: 8.540 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: VL037173.D
 Acq: 16 Jun 2021 16:40

Tgt Ion: 130 Resp: 1440953
 Ion Ratio Lower Upper
 130 100
 95 108.2 86.6 129.8
 132 102.0 76.6 114.8
 97 70.5 56.1 84.1





#39

1,2-Dichloropropane

Concen: 9.720 ppbv

RT: 7.62 min Scan# 1504

Delta R.T. -0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

Instrument :

MSVOA_L

ClientSampleId :

VL0616ABS01

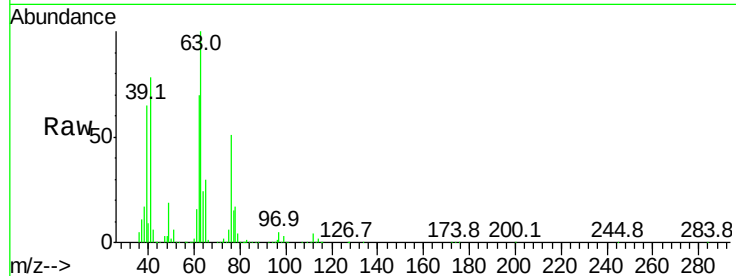
Tgt Ion: 63 Resp: 1282124

Ion Ratio Lower Upper

63 100

41 77.5 62.0 93.0

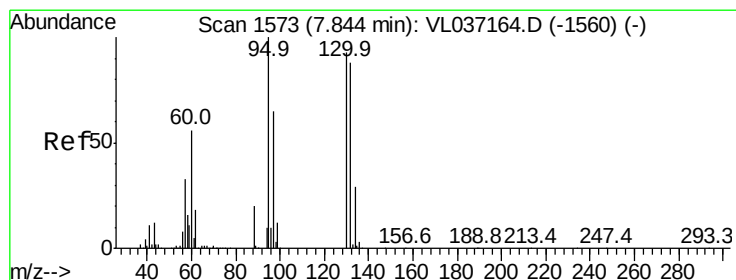
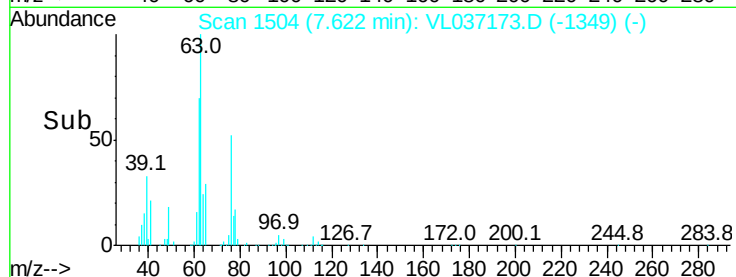
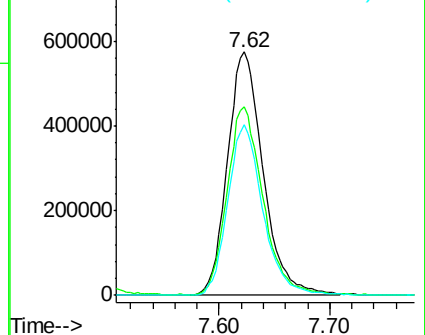
62 70.5 54.9 82.3



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 8.517 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

Tgt Ion: 88 Resp: 308087

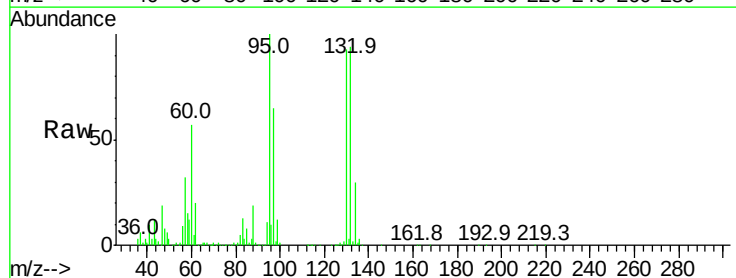
Ion Ratio Lower Upper

88 100

58 166.1 118.4 177.6

43 411.4 284.0 426.0

57 1799.0 1231.8 1847.6

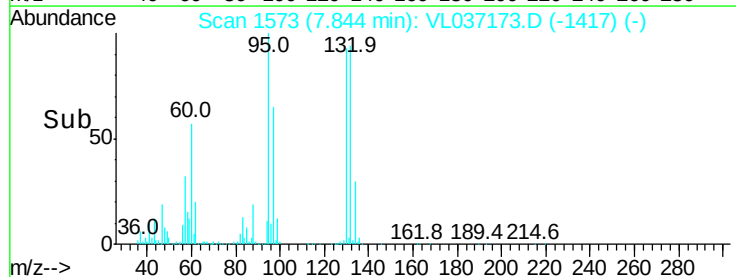
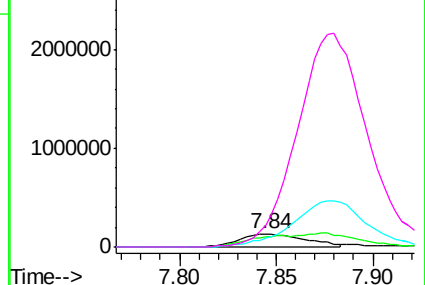


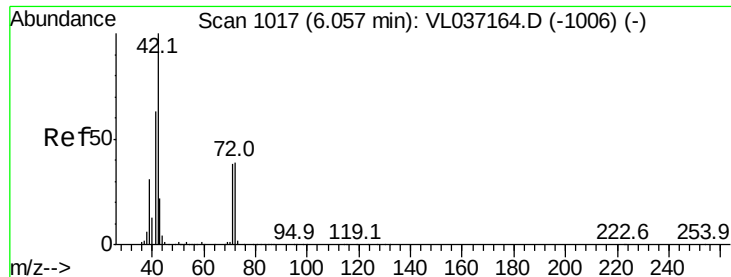
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 9.835 ppbv

RT: 6.06 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

Instrument :

MSVOA_L

ClientSampleId :

VL0616ABS01

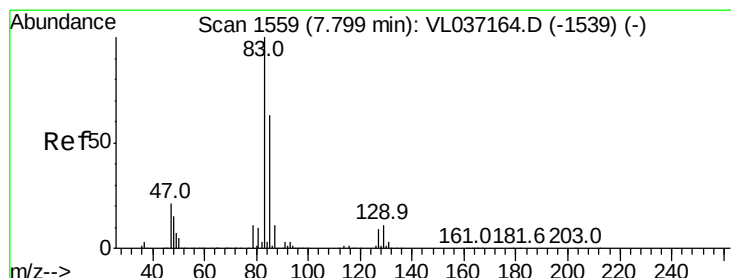
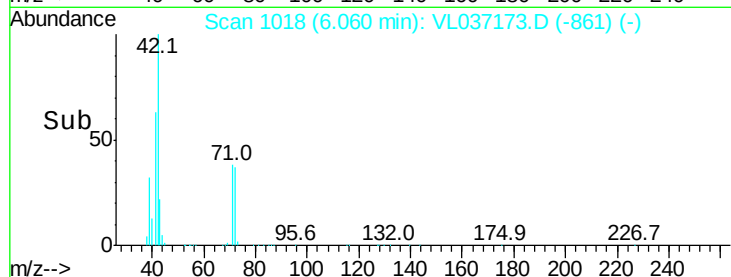
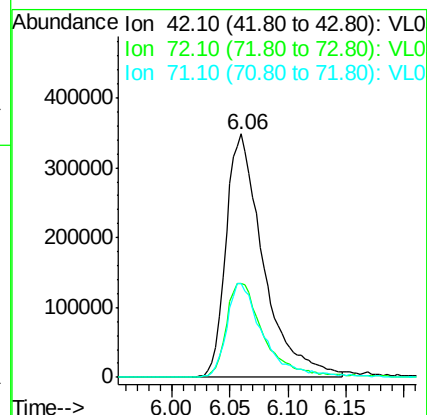
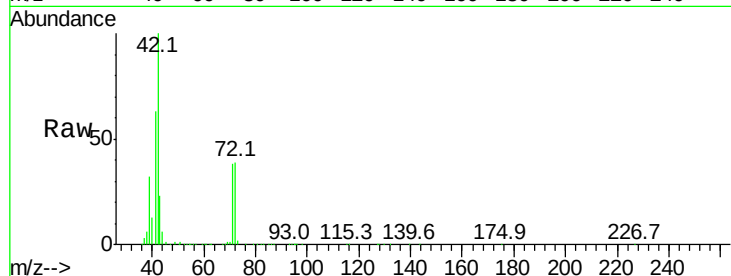
Tgt Ion: 42 Resp: 779909

Ion Ratio Lower Upper

42 100

72 39.8 33.0 49.4

71 38.1 31.0 46.6



#42

Bromodichloromethane

Concen: 10.057 ppbv

RT: 7.80 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

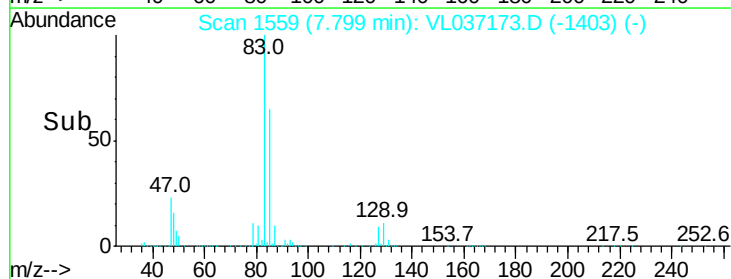
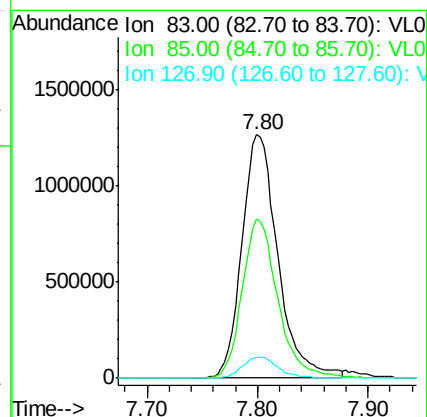
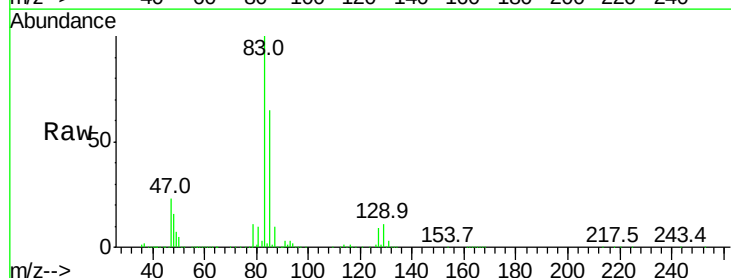
Tgt Ion: 83 Resp: 2860934

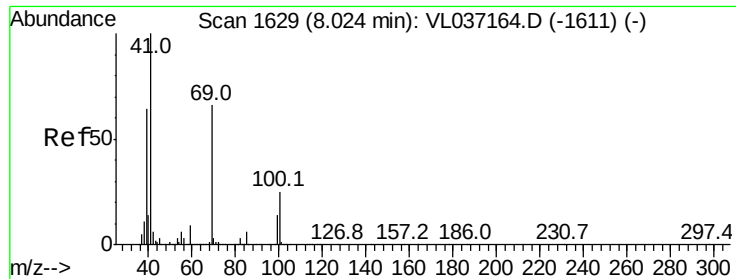
Ion Ratio Lower Upper

83 100

85 65.4 50.8 76.2

127 8.8 7.0 10.6

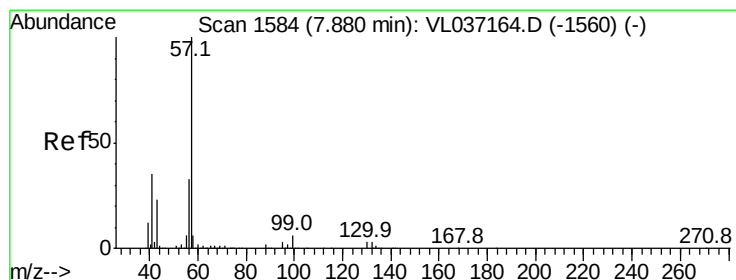
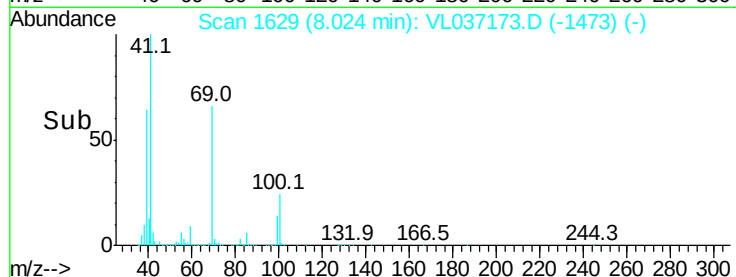
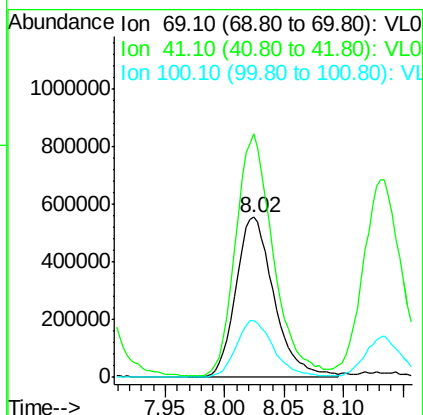
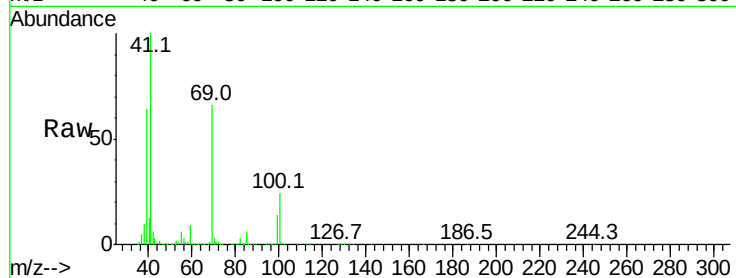




#43
Methyl Methacrylate
Concen: 10.090 ppbv
RT: 8.02 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VL037173.D
Acq: 16 Jun 2021 16:40

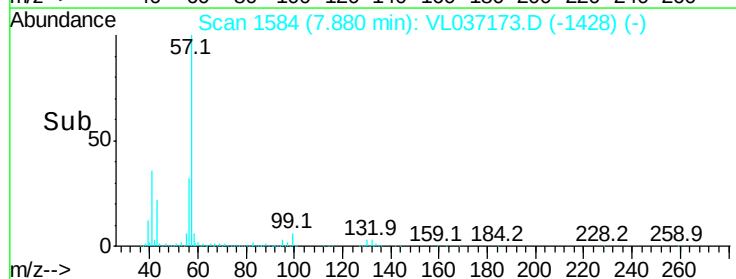
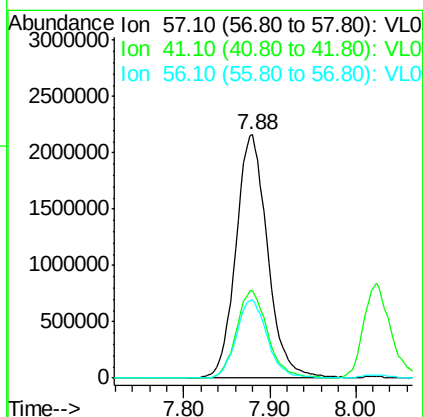
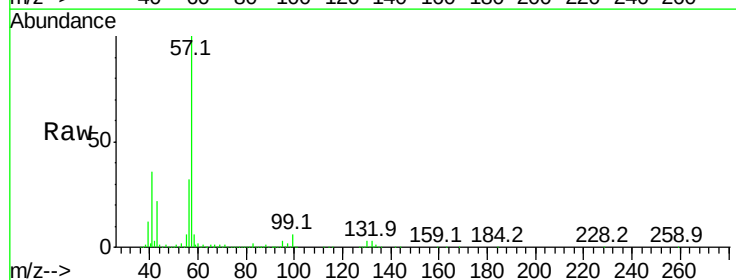
Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

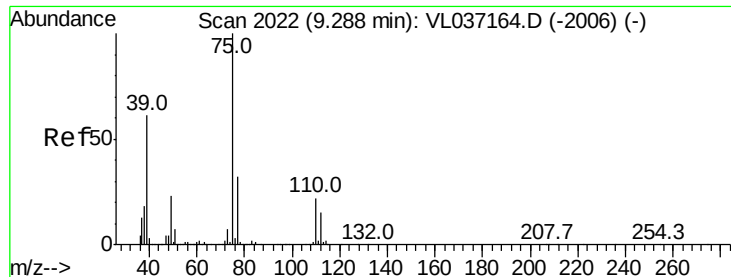
Tgt Ion: 69 Resp: 1236934
Ion Ratio Lower Upper
69 100
41 149.4 119.4 179.0
100 35.2 28.6 43.0



#44
2,2,4-Trimethylpentane
Concen: 9.256 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. -0.00 min
Lab File: VL037173.D
Acq: 16 Jun 2021 16:40

Tgt Ion: 57 Resp: 5532555
Ion Ratio Lower Upper
57 100
41 35.4 27.6 41.4
56 31.5 25.3 37.9





#45

t-1,3-Dichloropropene

Concen: 11.476 ppbv

RT: 9.29 min Scan# 2022

Delta R.T. -0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

Instrument :

MSVOA_L

ClientSampleId :

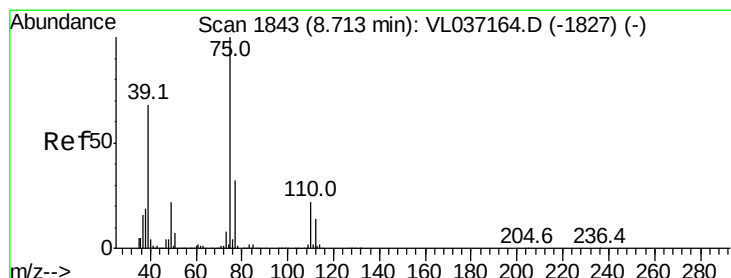
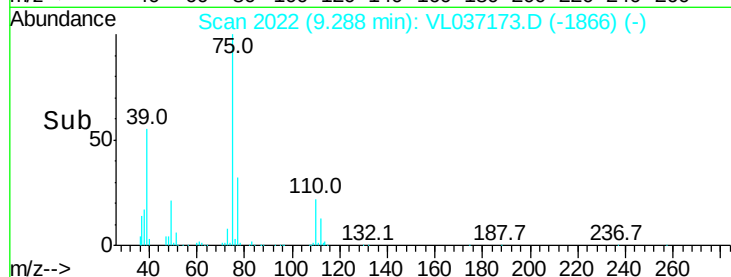
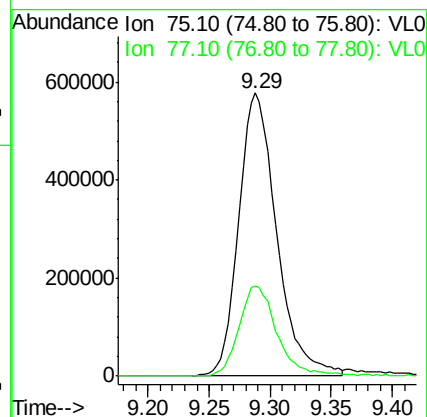
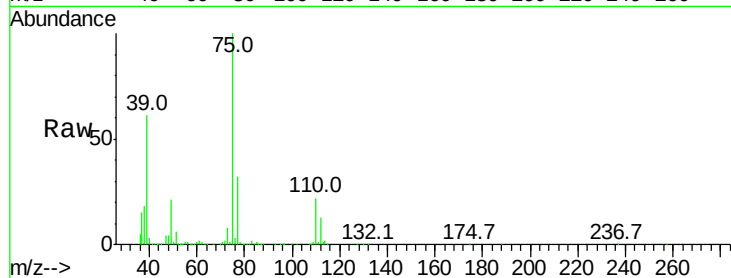
VL0616ABS01

Tgt Ion: 75 Resp: 1241277

Ion Ratio Lower Upper

75 100

77 31.9 25.6 38.4



#46

cis-1,3-Dichloropropene

Concen: 10.740 ppbv

RT: 8.71 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

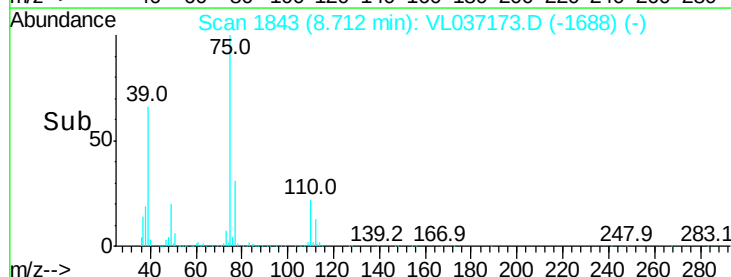
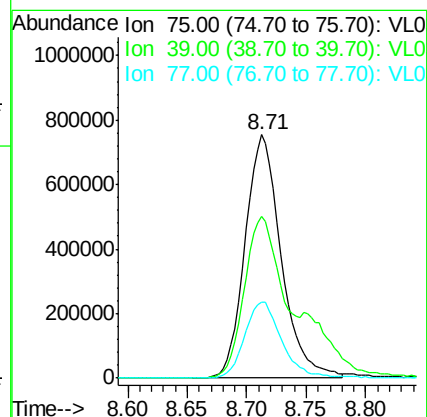
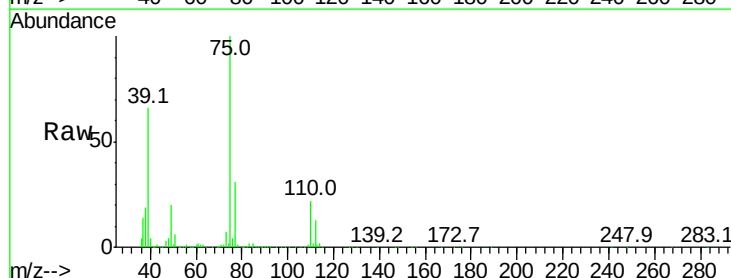
Tgt Ion: 75 Resp: 1589048

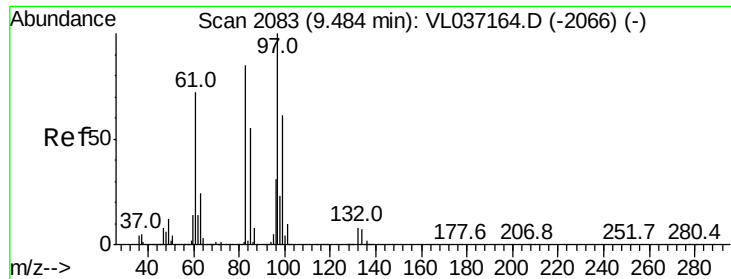
Ion Ratio Lower Upper

75 100

39 66.4 54.7 82.1

77 31.0 25.8 38.8





#47

1,1,2-Trichloroethane

Concen: 9.516 ppbv

RT: 9.49 min Scan# 2084

Delta R.T. 0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

Instrument :

MSVOA_L

ClientSampleId :

VL0616ABS01

Tgt Ion: 97 Resp: 1431980

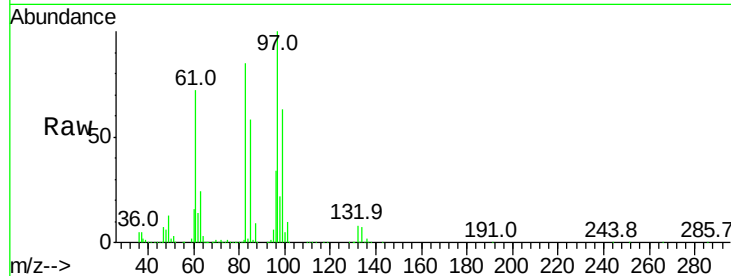
Ion Ratio Lower Upper

97 100

83 85.0 68.3 102.5

85 57.5 44.1 66.1

99 62.8 48.6 72.8

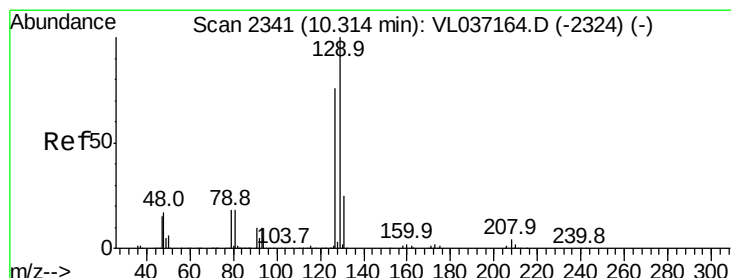
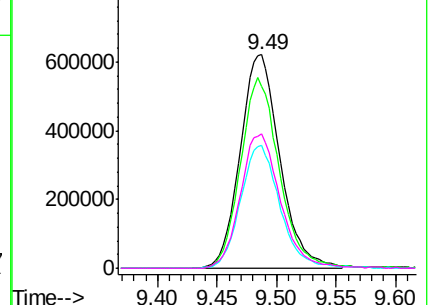
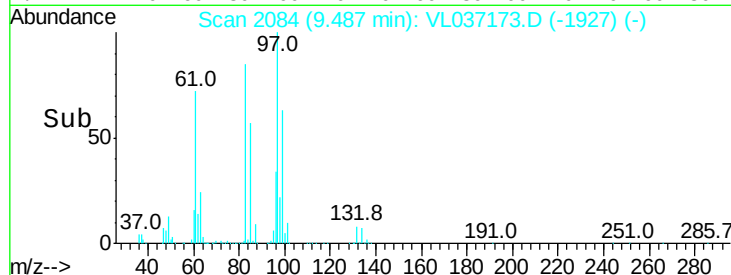


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 10.944 ppbv

RT: 10.31 min Scan# 2341

Delta R.T. -0.00 min

Lab File: VL037173.D

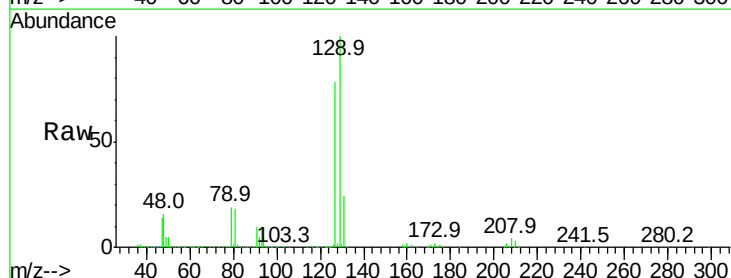
Acq: 16 Jun 2021 16:40

Tgt Ion: 129 Resp: 2599730

Ion Ratio Lower Upper

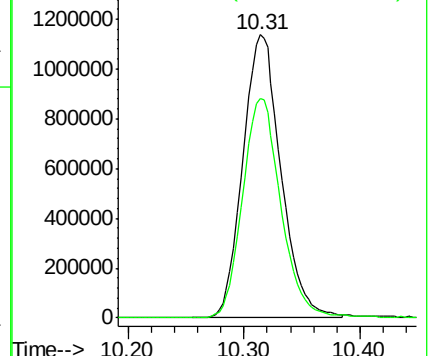
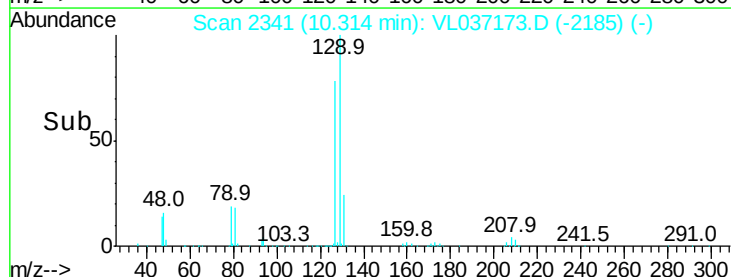
129 100

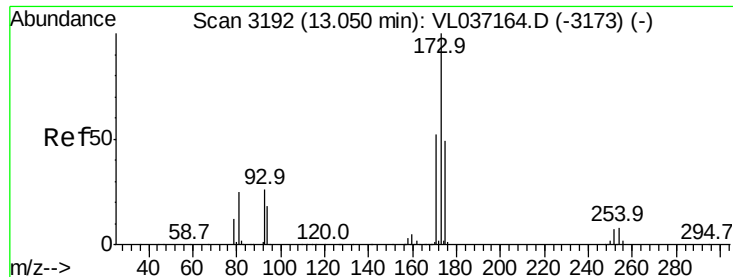
127 78.5 39.1 117.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.978 ppbv

RT: 13.05 min Scan# 3192

Delta R.T. -0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

Instrument :

MSVOA_L

ClientSampleId :

VL0616ABS01

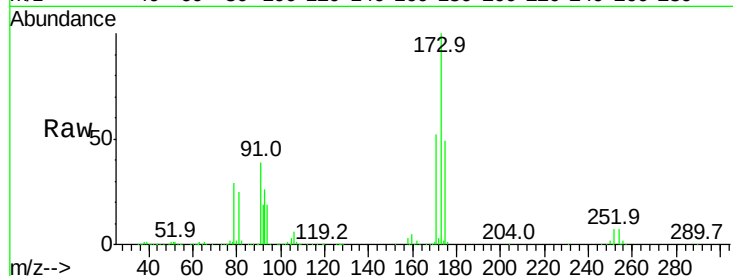
Tgt Ion:173 Resp: 2119843

Ion Ratio Lower Upper

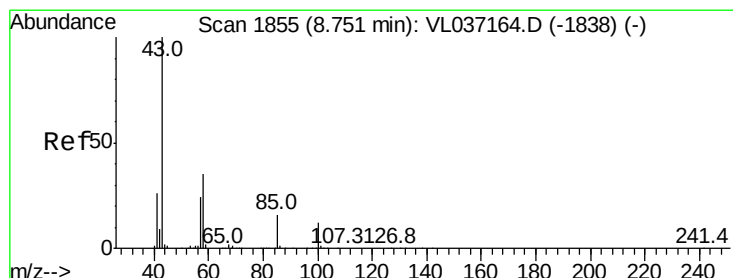
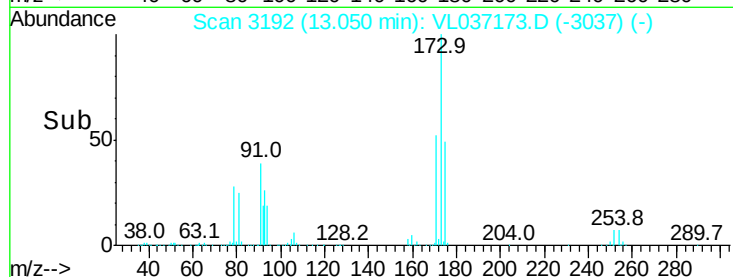
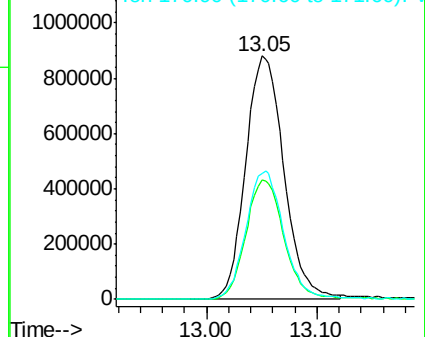
173 100

175 49.4 40.2 60.4

171 52.8 41.8 62.8



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.995 ppbv

RT: 8.75 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VL037173.D

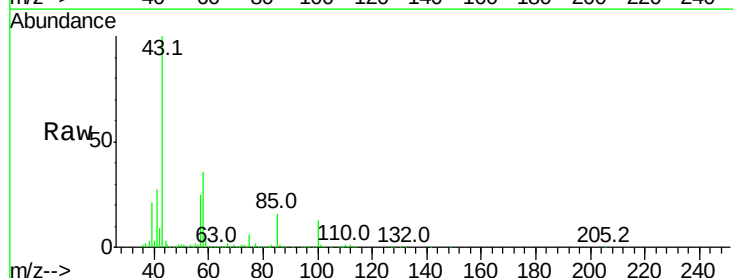
Acq: 16 Jun 2021 16:40

Tgt Ion: 43 Resp: 2343809

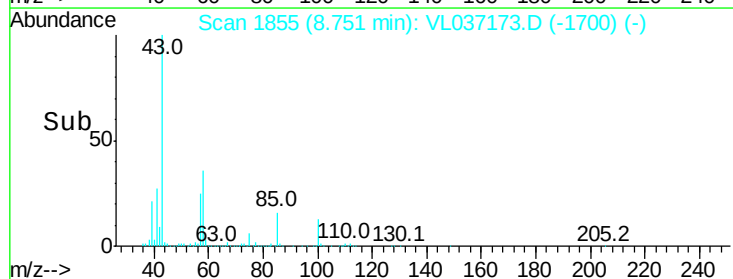
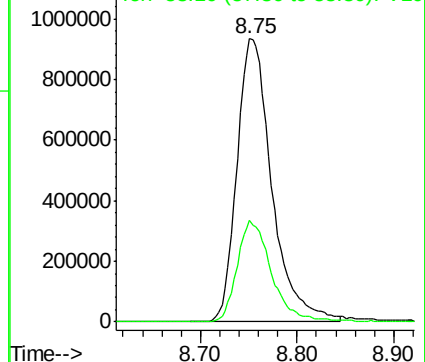
Ion Ratio Lower Upper

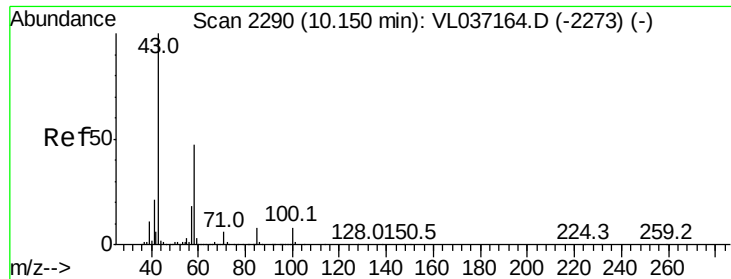
43 100

58 35.8 28.4 42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.065 ppbv

RT: 10.15 min Scan# 2289

Delta R.T. -0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

Instrument :

MSVOA_L

ClientSampleId :

VL0616ABS01

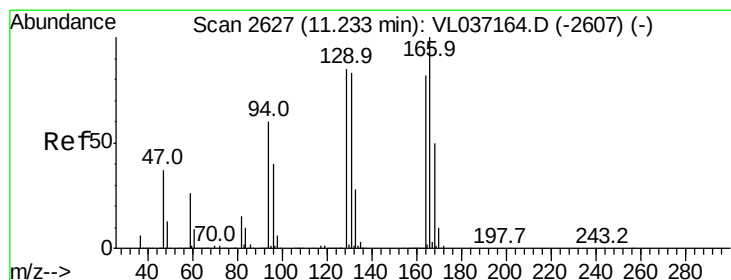
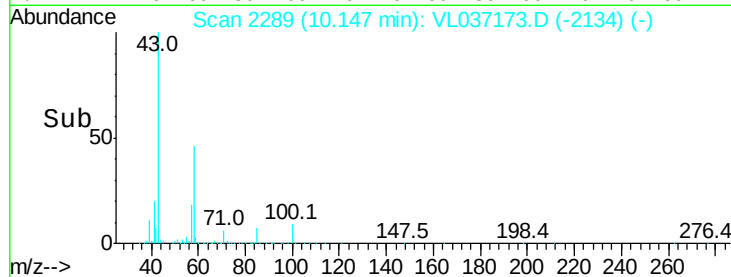
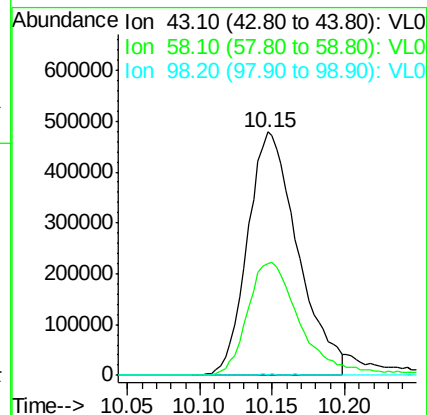
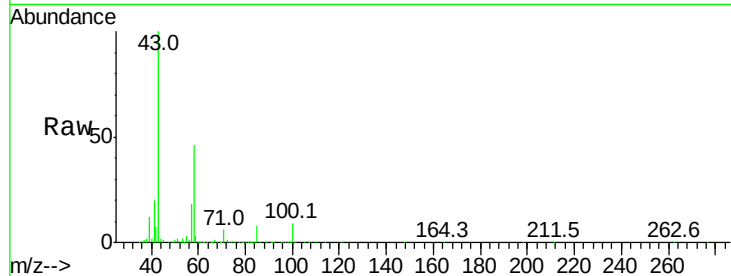
Tgt Ion: 43 Resp: 1148379

Ion Ratio Lower Upper

43 100

58 50.2 38.4 57.6

98 0.6 0.3 0.5#



#52

Tetrachloroethene

Concen: 8.463 ppbv

RT: 11.23 min Scan# 2627

Delta R.T. -0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

Tgt Ion: 164 Resp: 1395947

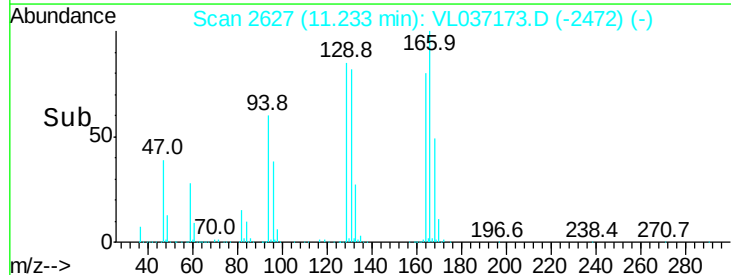
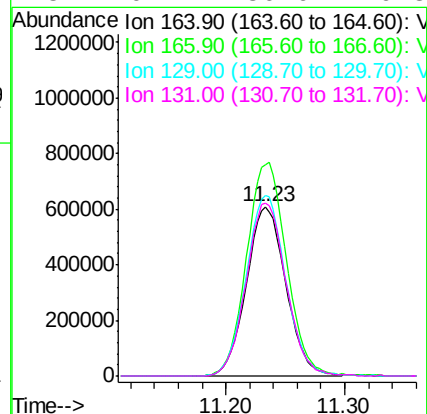
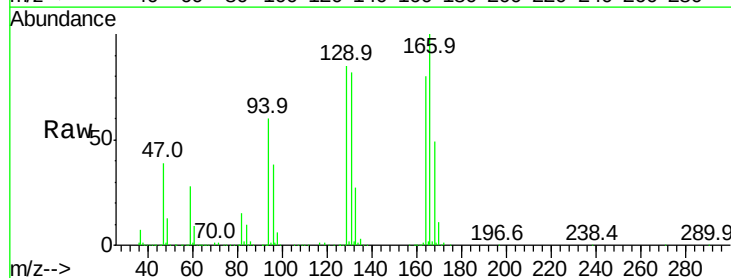
Ion Ratio Lower Upper

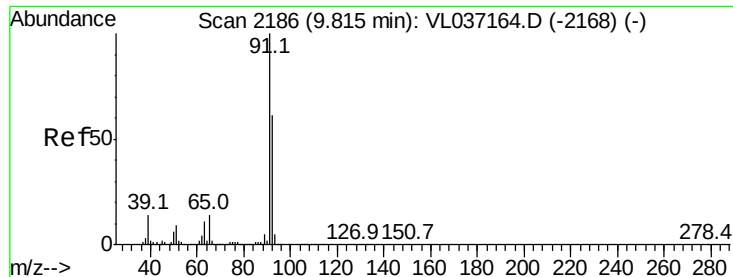
164 100

166 124.7 97.6 146.4

129 106.2 82.9 124.3

131 101.7 80.6 120.8





#53

Toluene

Concen: 9.528 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

Instrument :

MSVOA_L

ClientSampleId :

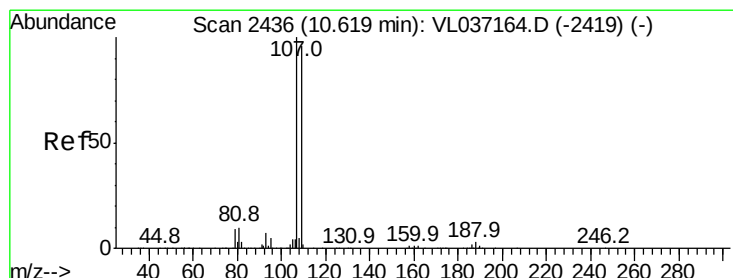
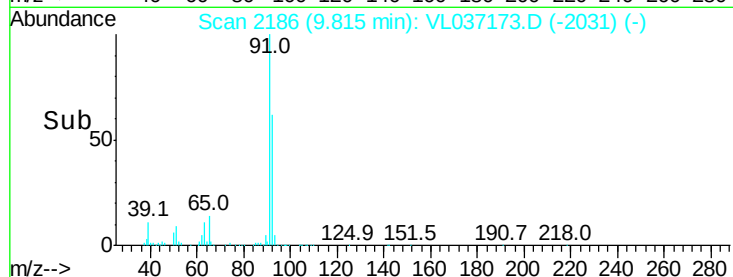
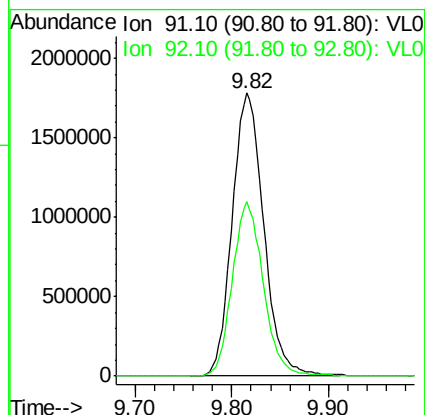
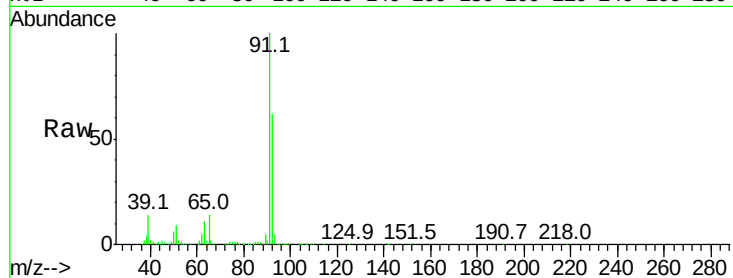
VL0616ABS01

Tgt Ion: 91 Resp: 4040236

Ion Ratio Lower Upper

91 100

92 60.6 48.3 72.5



#54

1,2-Dibromoethane

Concen: 9.885 ppbv

RT: 10.62 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VL037173.D

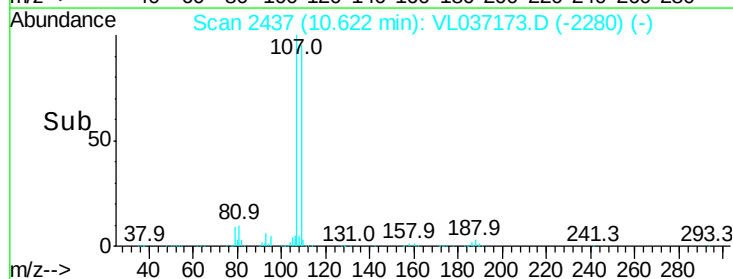
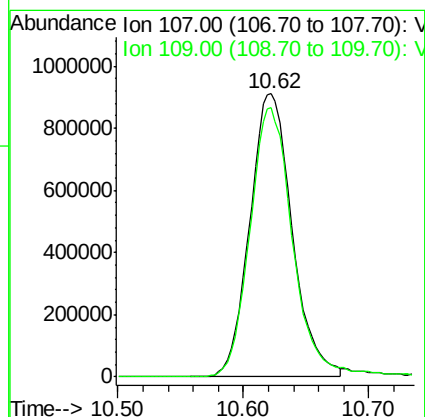
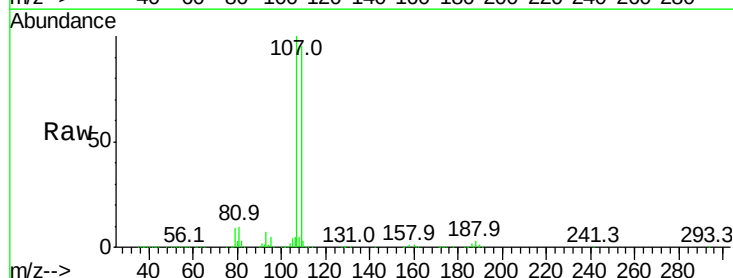
Acq: 16 Jun 2021 16:40

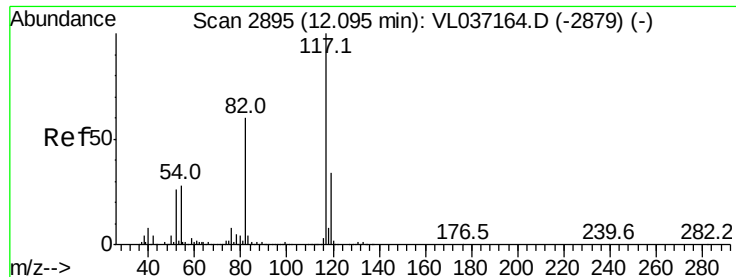
Tgt Ion: 107 Resp: 2137764

Ion Ratio Lower Upper

107 100

109 95.3 77.0 115.6

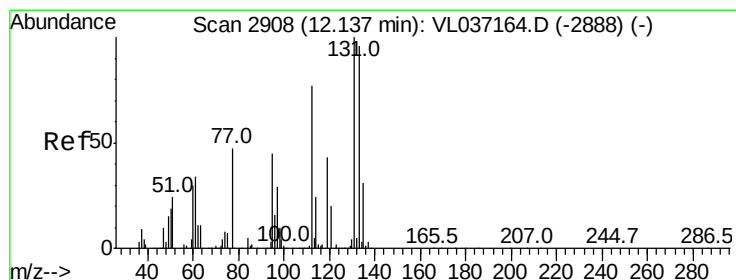
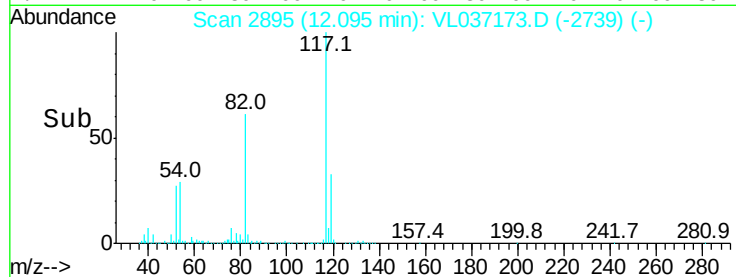
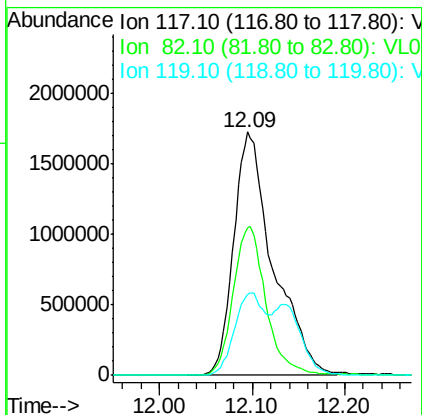
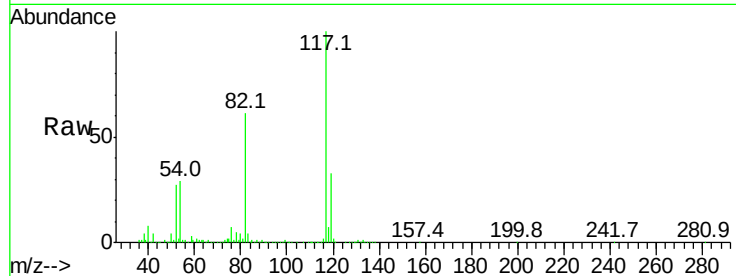




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2895
Delta R.T. -0.00 min
Lab File: VL037173.D
Acq: 16 Jun 2021 16:40

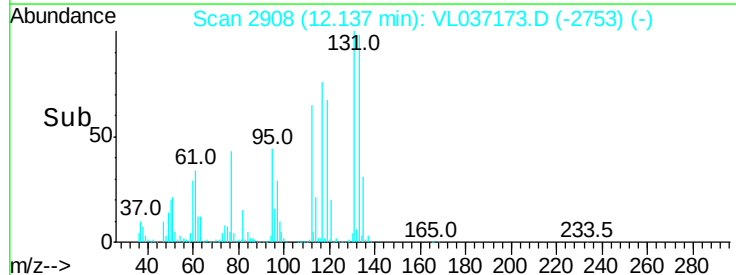
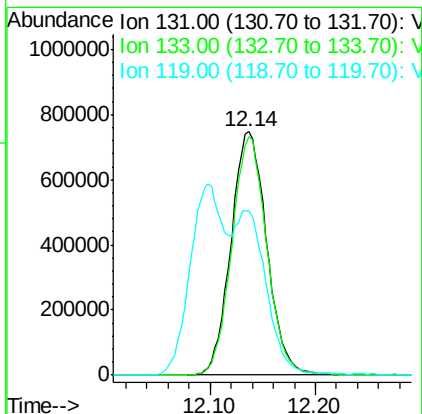
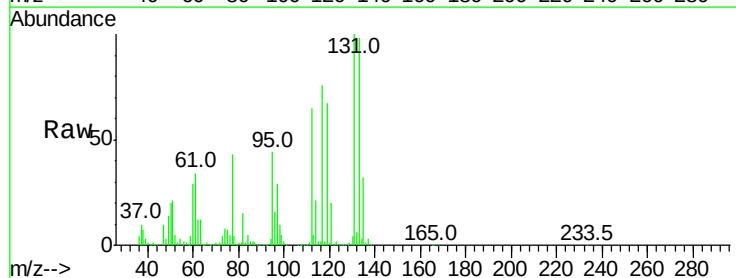
Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

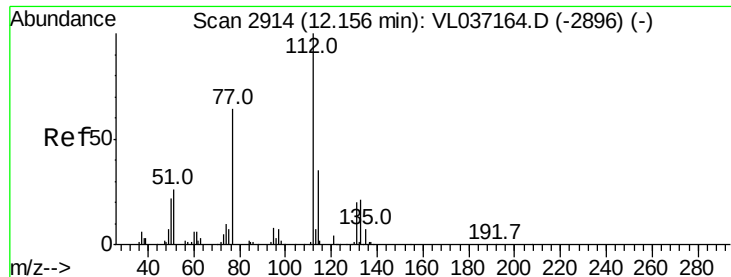
Tgt Ion:117 Resp: 5105698
Ion Ratio Lower Upper
117 100
82 51.5 51.7 77.5#
119 47.6 47.6 71.4



#56
1,1,1,2-Tetrachloroethane
Concen: 7.849 ppbv
RT: 12.14 min Scan# 2908
Delta R.T. -0.00 min
Lab File: VL037173.D
Acq: 16 Jun 2021 16:40

Tgt Ion:131 Resp: 1752230
Ion Ratio Lower Upper
131 100
133 96.3 76.5 114.7
119 58.7 48.6 72.8

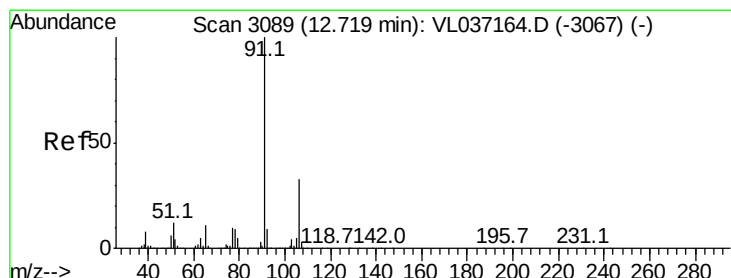
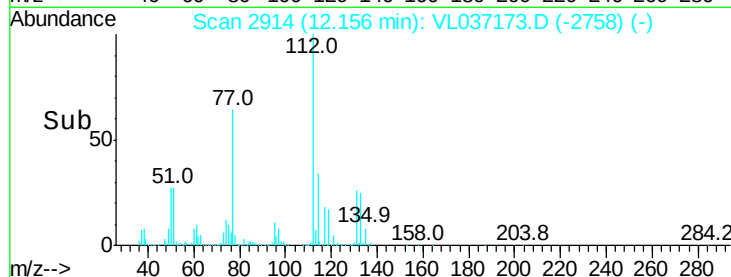
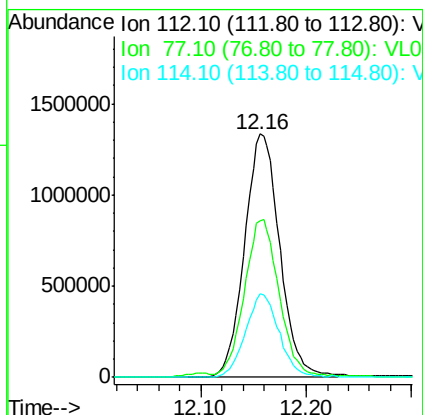
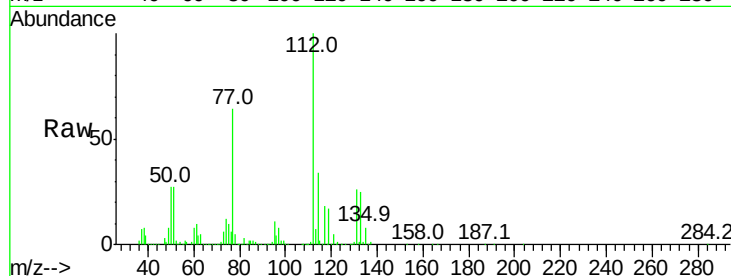




#57
Chlorobenzene
Concen: 7.498 ppbv
RT: 12.16 min Scan# 2914
Delta R.T. -0.00 min
Lab File: VL037173.D
Acq: 16 Jun 2021 16:40

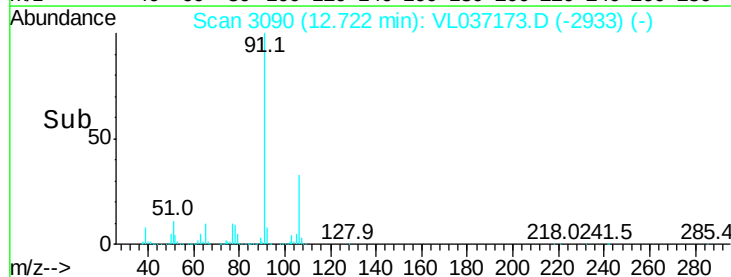
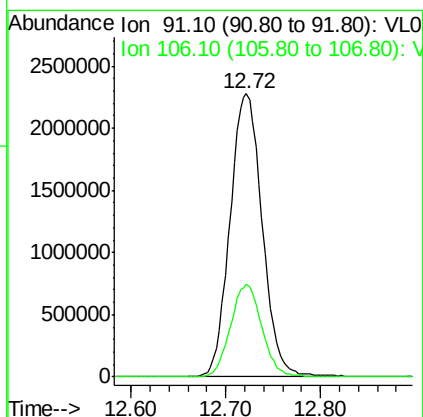
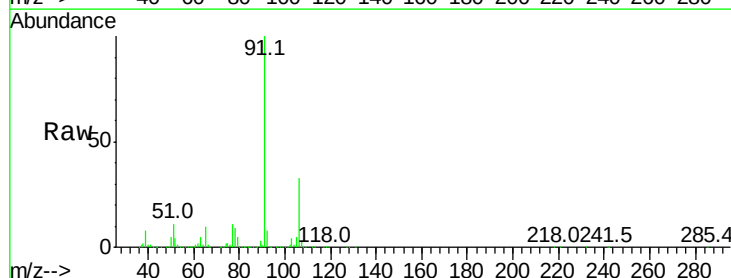
Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

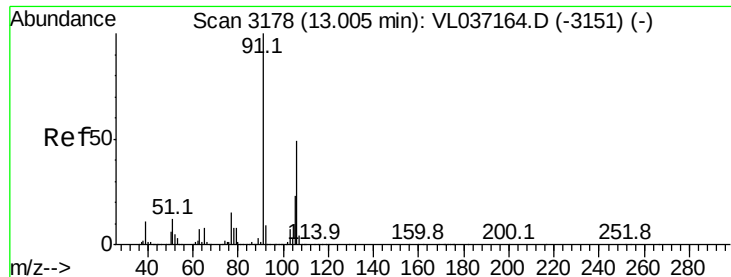
Tgt Ion: 112 Resp: 3104837
Ion Ratio Lower Upper
112 100
77 63.4 52.2 78.4
114 34.0 31.1 38.1



#58
Ethyl Benzene
Concen: 7.669 ppbv
RT: 12.72 min Scan# 3090
Delta R.T. 0.00 min
Lab File: VL037173.D
Acq: 16 Jun 2021 16:40

Tgt Ion: 91 Resp: 5390384
Ion Ratio Lower Upper
91 100
106 32.8 26.3 39.5





#59

m/p-Xylene

Concen: 8.140 ppbv

RT: 13.01 min Scan# 3179

Delta R.T. 0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

Instrument :

MSVOA_L

ClientSampleId :

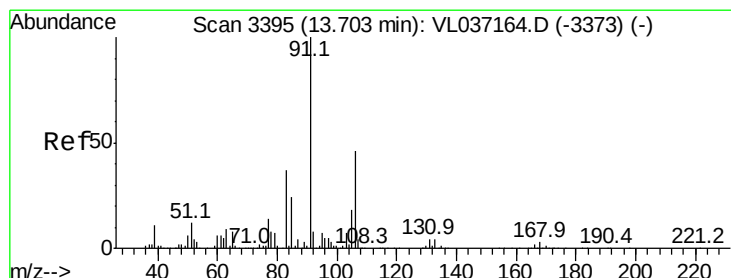
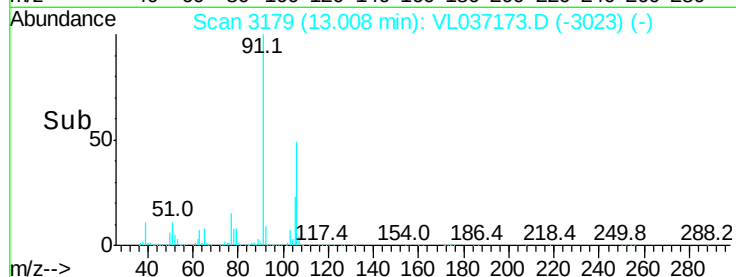
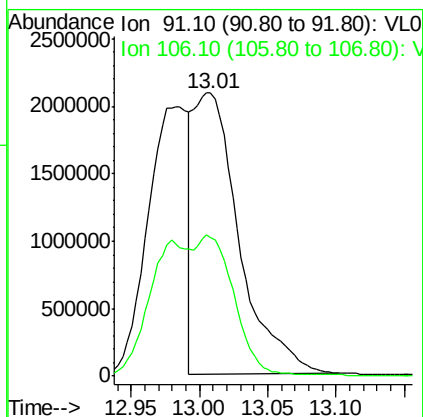
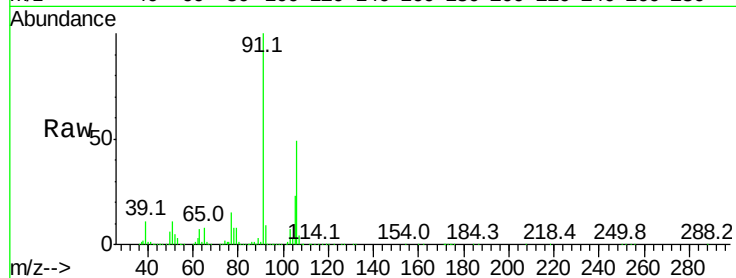
VL0616ABS01

Tgt Ion: 91 Resp: 4848627

Ion Ratio Lower Upper

91 100

106 85.8 37.0 55.4#



#60

o-Xylene

Concen: 7.628 ppbv

RT: 13.70 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VL037173.D

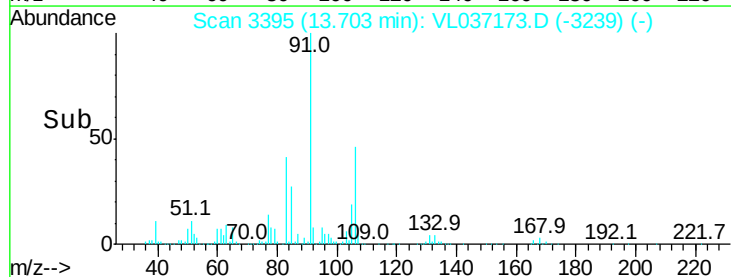
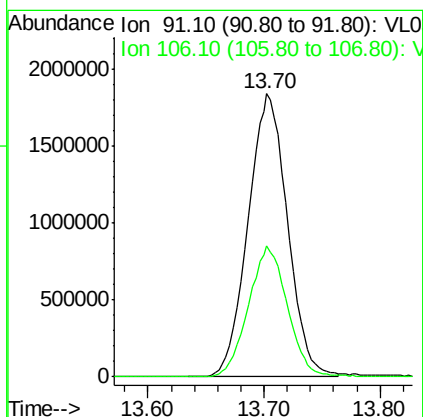
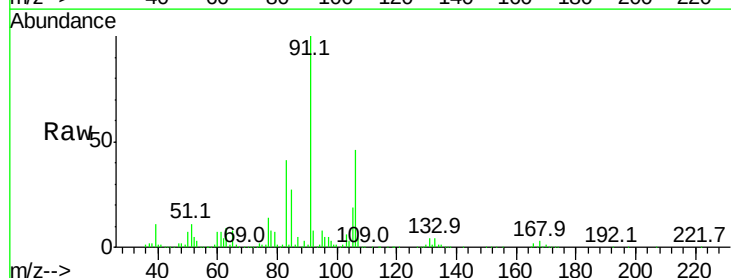
Acq: 16 Jun 2021 16:40

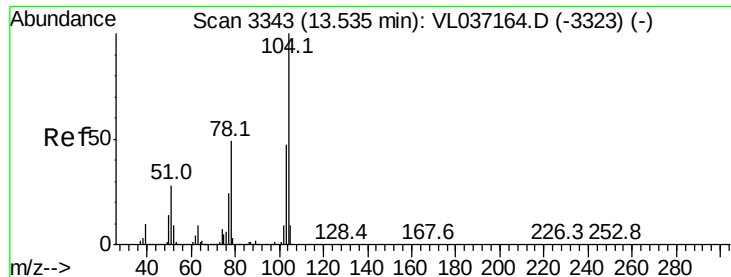
Tgt Ion: 91 Resp: 4326090

Ion Ratio Lower Upper

91 100

106 45.9 23.0 69.0





#61

Styrene

Concen: 8.473 ppbv

RT: 13.54 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

Instrument :

MSVOA_L

ClientSampleId :

VL0616ABS01

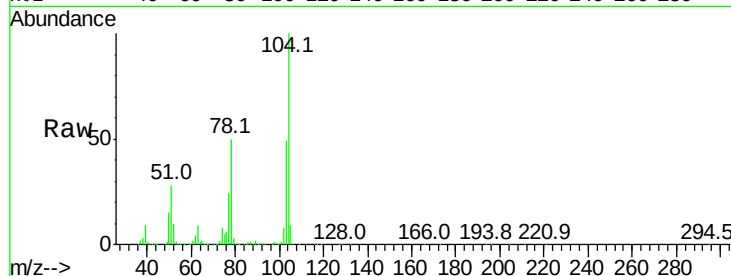
Tgt Ion:104 Resp: 2480189

Ion Ratio Lower Upper

104 100

78 51.2 39.7 59.5

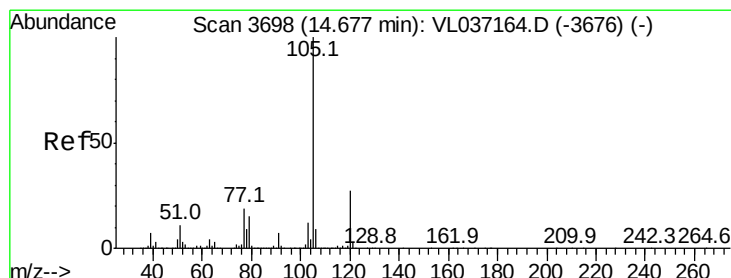
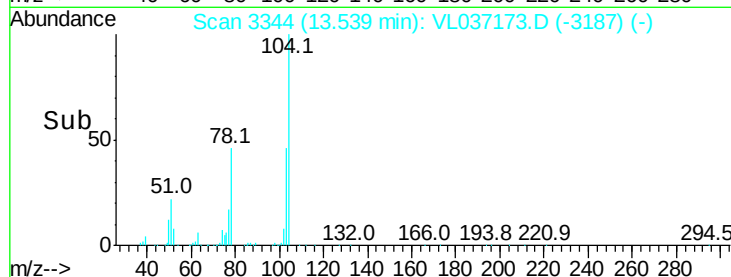
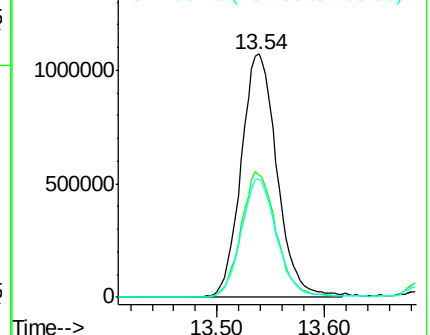
103 48.3 37.6 56.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 7.539 ppbv

RT: 14.68 min Scan# 3698

Delta R.T. -0.00 min

Lab File: VL037173.D

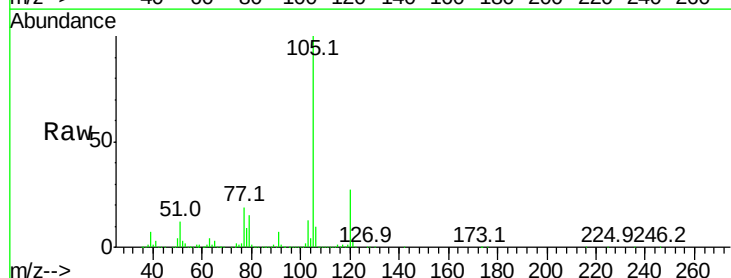
Acq: 16 Jun 2021 16:40

Tgt Ion:105 Resp: 6080208

Ion Ratio Lower Upper

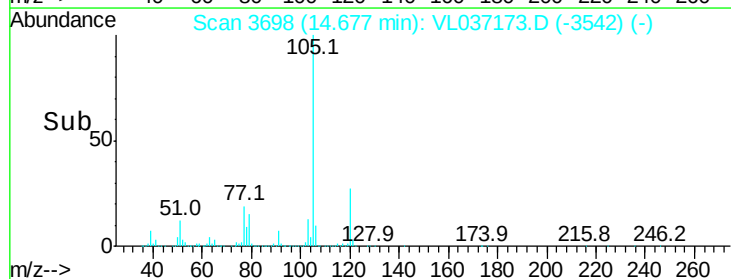
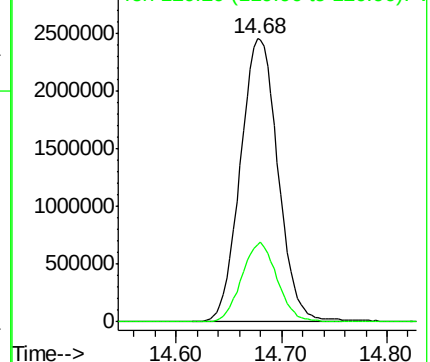
105 100

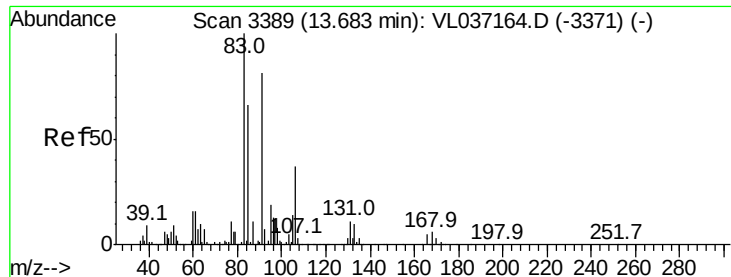
120 26.8 21.6 32.4



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: 7.657 ppbv

RT: 13.69 min Scan# 3391

Delta R.T. 0.01 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

Instrument :

MSVOA_L

ClientSampleId :

VL0616ABS01

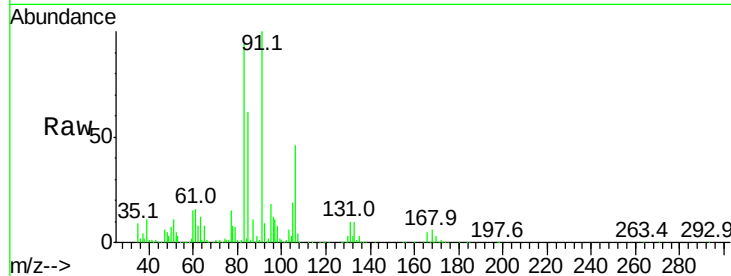
Tgt Ion: 83 Resp: 2891614

Ion Ratio Lower Upper

83 100

131 10.9 5.4 16.2

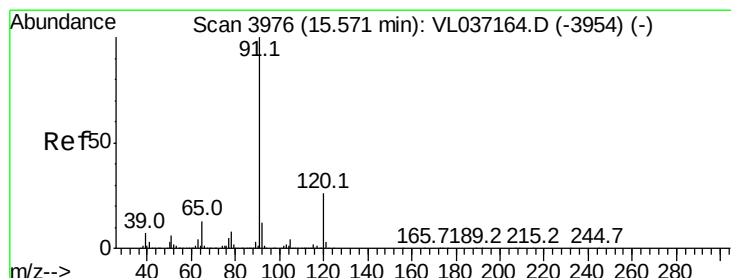
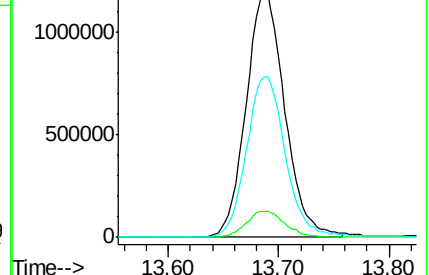
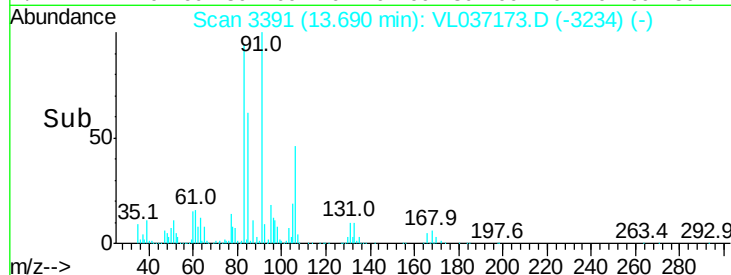
85 67.1 33.1 99.2



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 8.038 ppbv

RT: 15.57 min Scan# 3977

Delta R.T. 0.00 min

Lab File: VL037173.D

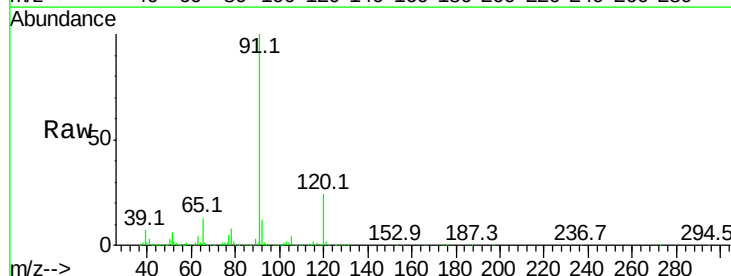
Acq: 16 Jun 2021 16:40

Tgt Ion: 120 Resp: 1623447

Ion Ratio Lower Upper

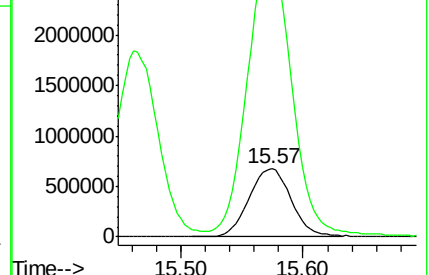
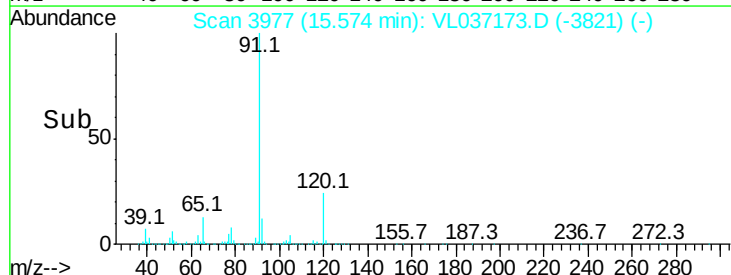
120 100

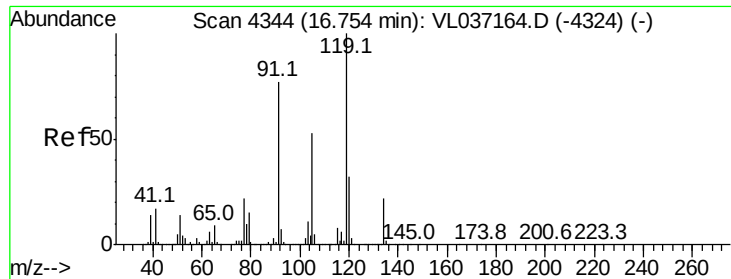
91 436.6 343.3 514.9



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

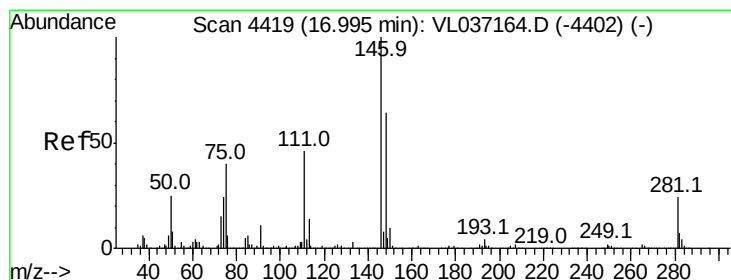
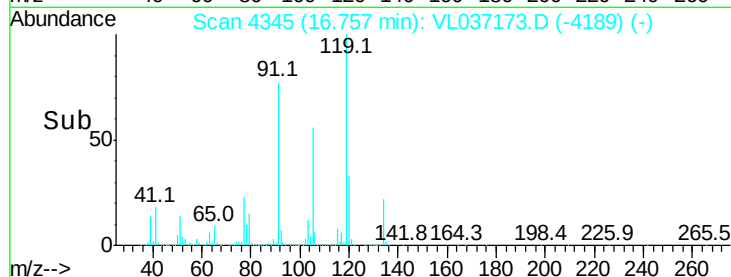
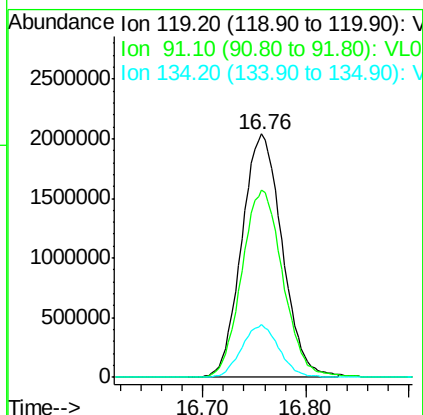
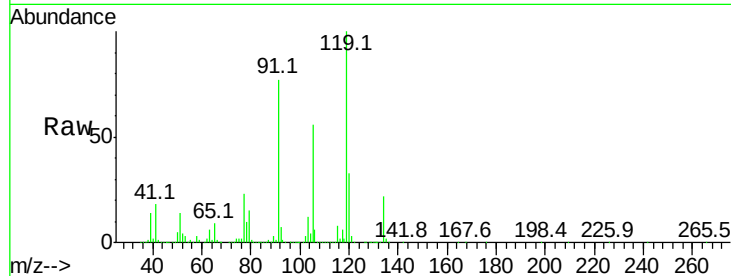




#65
 tert-Butylbenzene
 Concen: 7.762 ppbv
 RT: 16.76 min Scan# 4345
 Delta R.T. 0.00 min
 Lab File: VL037173.D
 Acq: 16 Jun 2021 16:40

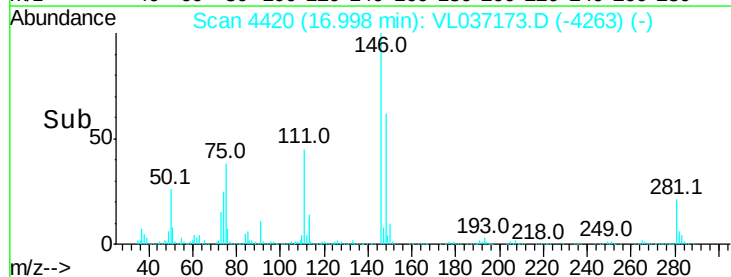
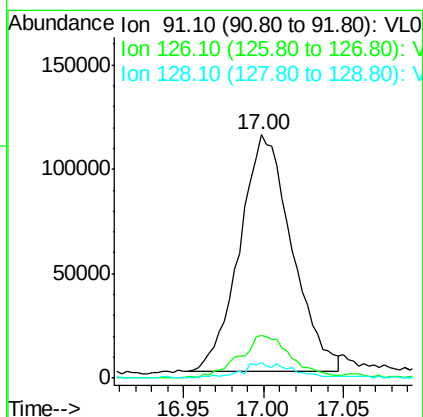
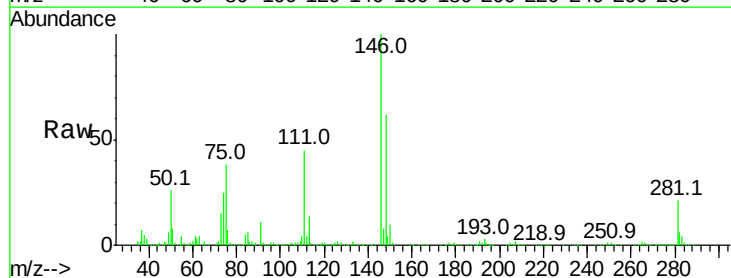
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0616ABS01

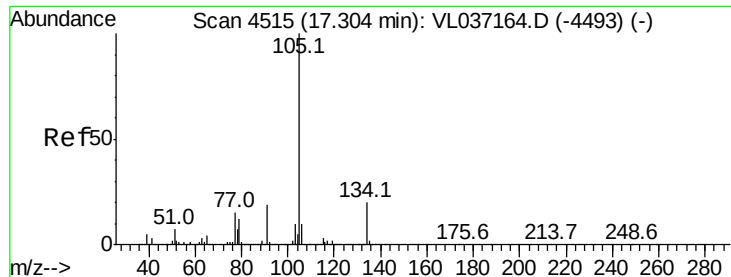
Tgt Ion: 119 Resp: 5552131
 Ion Ratio Lower Upper
 119 100
 91 78.4 62.6 93.8
 134 20.2 16.2 24.4



#66
 Benzyl Chloride
 Concen: 8.375 ppbv
 RT: 17.00 min Scan# 4420
 Delta R.T. 0.00 min
 Lab File: VL037173.D
 Acq: 16 Jun 2021 16:40

Tgt Ion: 91 Resp: 253845
 Ion Ratio Lower Upper
 91 100
 126 19.6 15.5 23.3
 128 6.2 5.7 8.5





#67

sec-Butylbenzene

Concen: 7.759 ppbv

RT: 17.30 min Scan# 4515

Delta R.T. -0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

Instrument :

MSVOA_L

ClientSampleId :

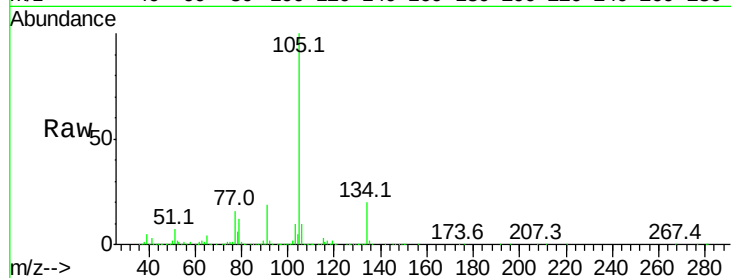
VL0616ABS01

Tgt Ion:105 Resp: 7400893

Ion Ratio Lower Upper

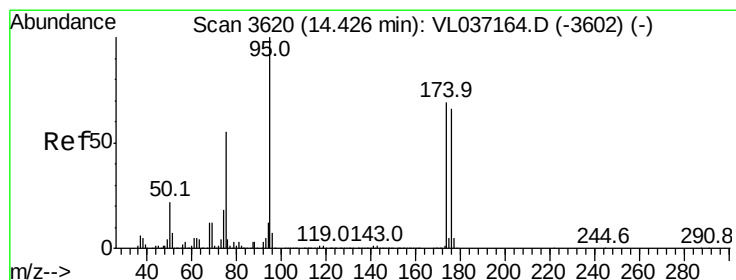
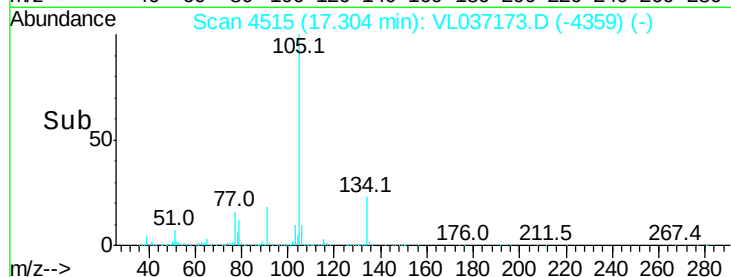
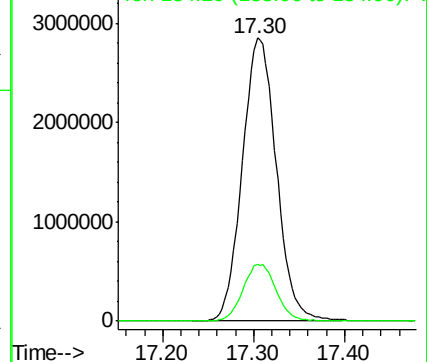
105 100

134 19.5 15.8 23.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.244 ppbv

RT: 14.43 min Scan# 3620

Delta R.T. -0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

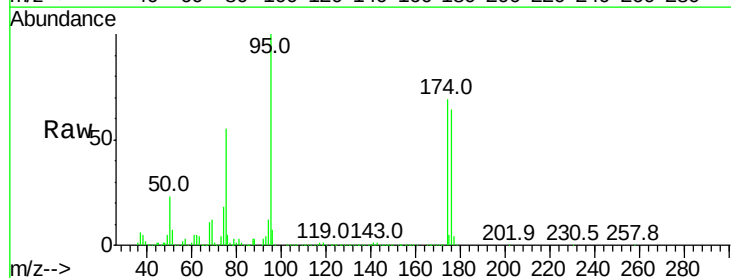
Tgt Ion: 95 Resp: 3189707

Ion Ratio Lower Upper

95 100

174 71.7 57.0 85.4

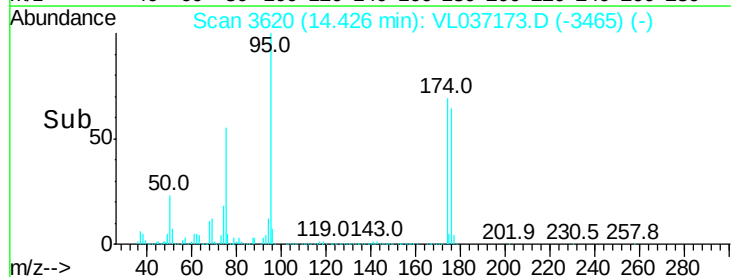
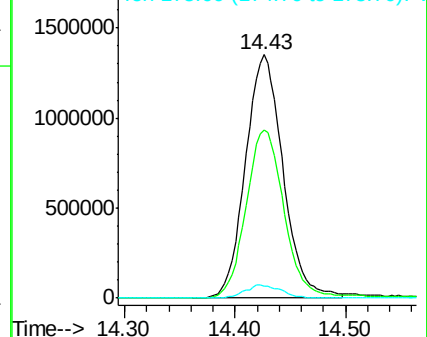
175 5.4 4.4 6.6

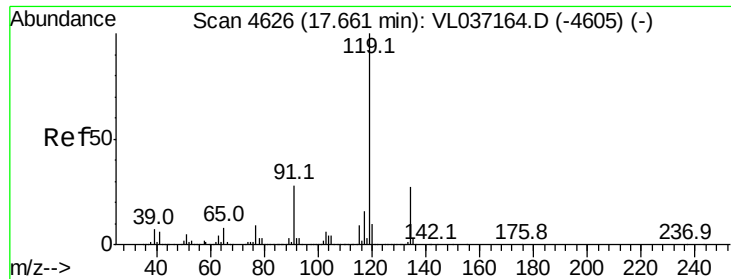


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



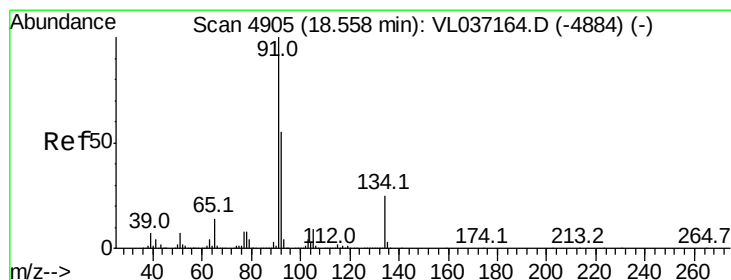
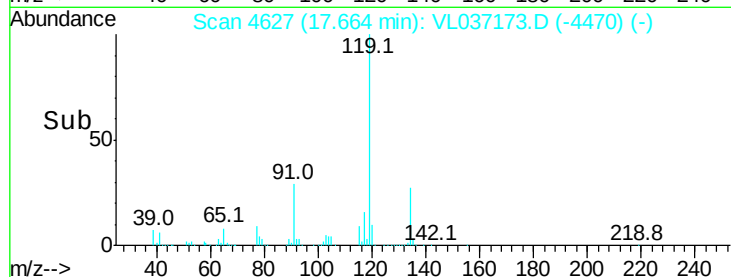
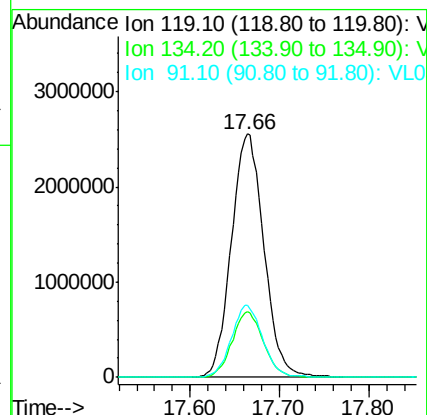
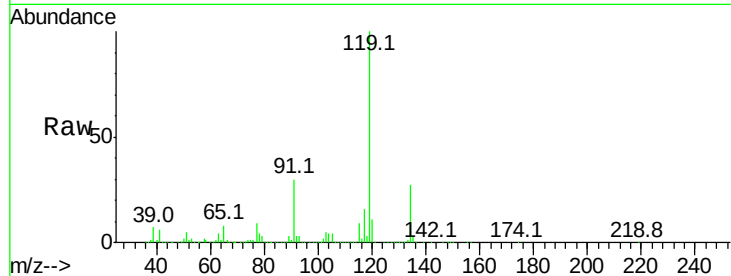


#69
 p-Isopropyltoluene
 Concen: 8.016 ppbv
 RT: 17.66 min Scan# 4627
 Delta R.T. 0.00 min
 Lab File: VL037173.D
 Acq: 16 Jun 2021 16:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0616ABS01

Tgt Ion: 119 Resp: 6457994

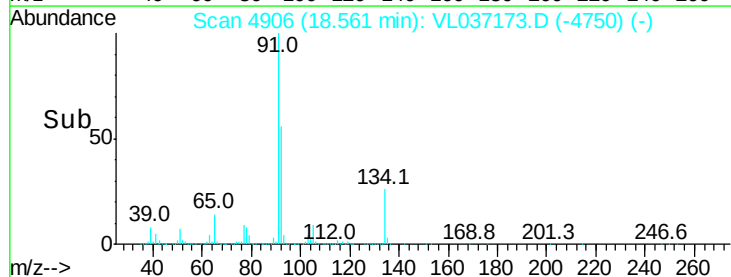
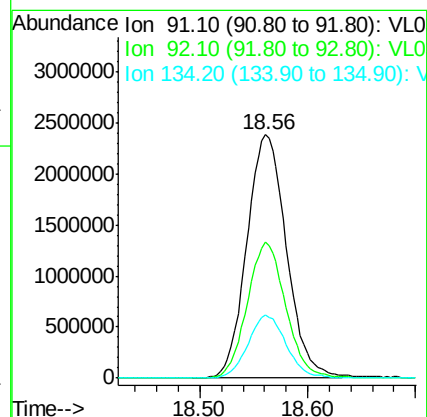
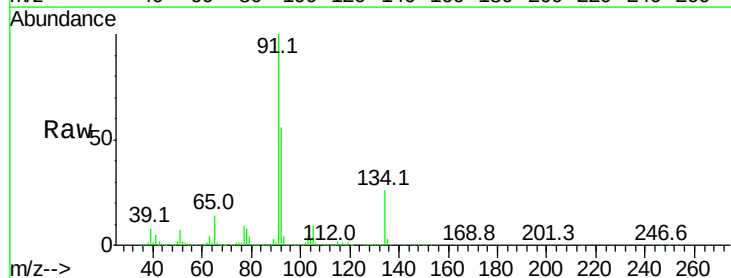
Ion	Ratio	Lower	Upper
119	100		
134	26.1	20.9	31.3
91	28.5	22.6	34.0

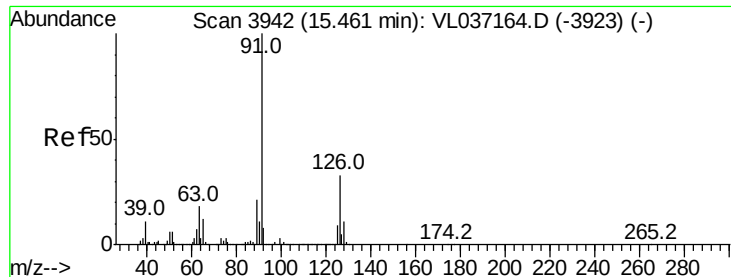


#70
 n-Butylbenzene
 Concen: 8.160 ppbv
 RT: 18.56 min Scan# 4906
 Delta R.T. 0.00 min
 Lab File: VL037173.D
 Acq: 16 Jun 2021 16:40

Tgt Ion: 91 Resp: 6084318

Ion	Ratio	Lower	Upper
91	100		
92	54.7	44.0	66.0
134	25.2	20.2	30.4





#71

2-Chlorotoluene

Concen: 7.867 ppbv

RT: 15.46 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

Instrument :

MSVOA_L

ClientSampleId :

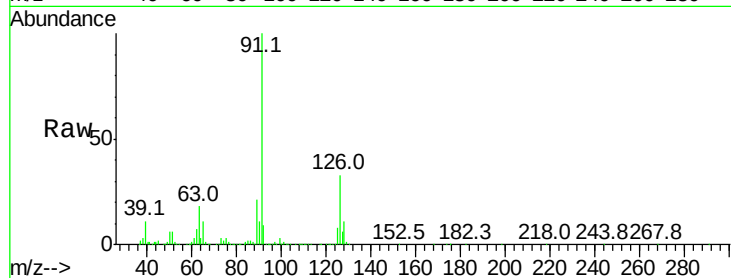
VL0616ABS01

Tgt Ion: 91 Resp: 4436126

Ion Ratio Lower Upper

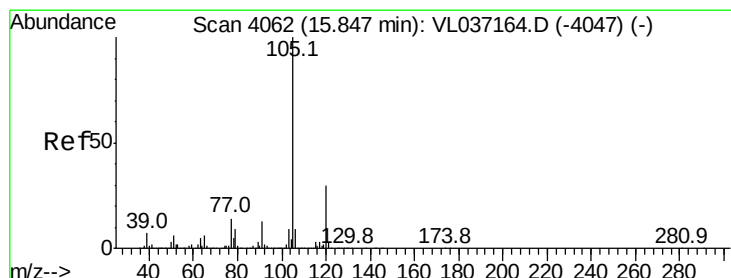
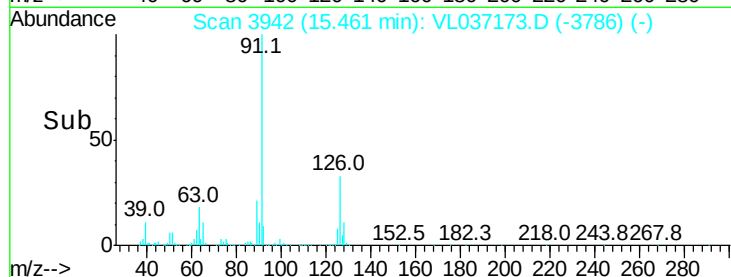
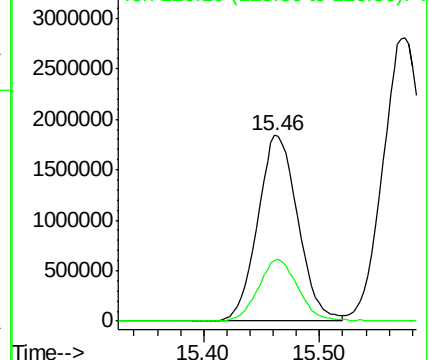
91 100

126 33.6 13.5 54.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): VL0



#72

4-Ethyltoluene

Concen: 8.039 ppbv

RT: 15.85 min Scan# 4063

Delta R.T. 0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

Tgt Ion: 105 Resp: 5179868

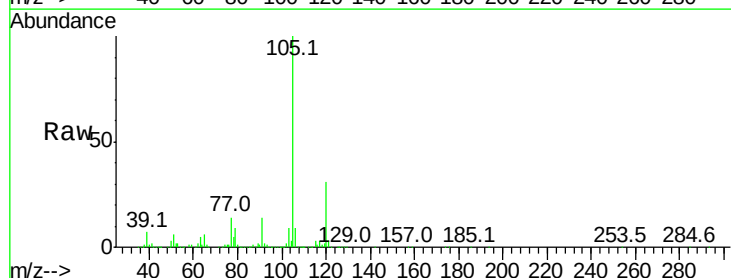
Ion Ratio Lower Upper

105 100

120 31.5 24.7 37.1

91 13.4 10.2 15.4

77 14.0 11.0 16.6

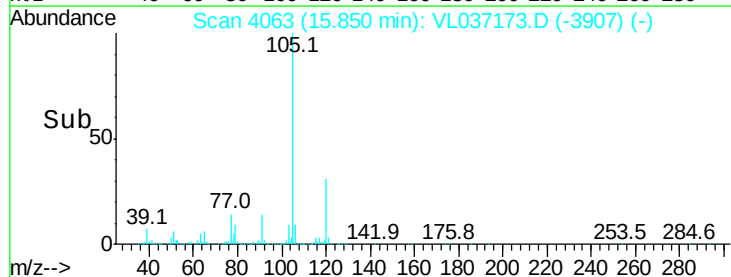
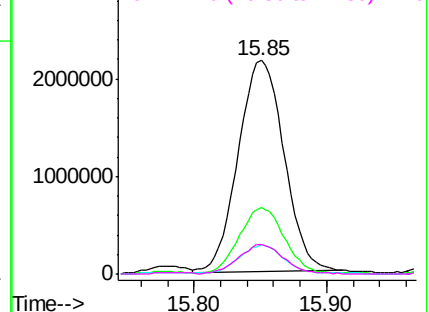


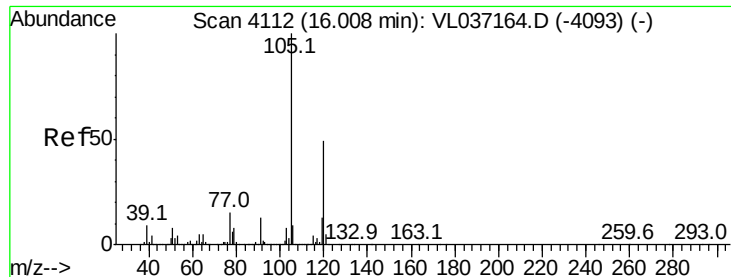
Abundance Ion 105.10 (104.80 to 105.80): VL0

Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 7.662 ppbv

RT: 16.01 min Scan# 4112

Delta R.T. -0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

Instrument :

MSVOA_L

ClientSampleId :

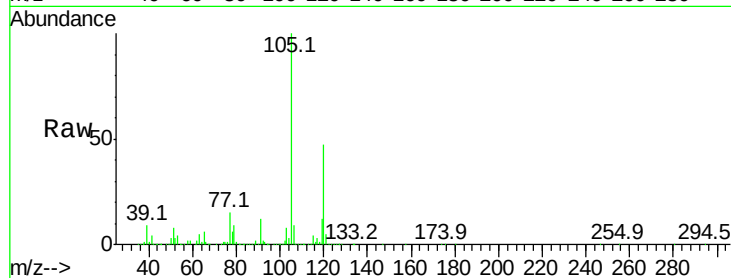
VL0616ABS01

Tgt Ion:105 Resp: 4771806

Ion Ratio Lower Upper

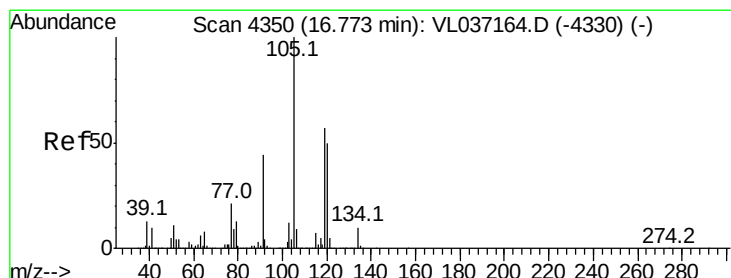
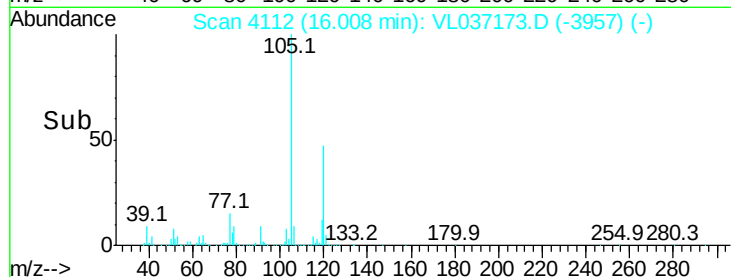
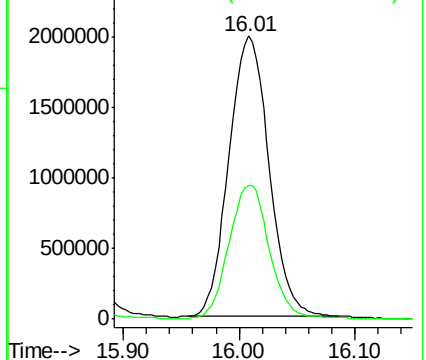
105 100

120 47.4 39.4 59.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 7.899 ppbv

RT: 16.77 min Scan# 4350

Delta R.T. -0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

Tgt Ion:105 Resp: 5069130

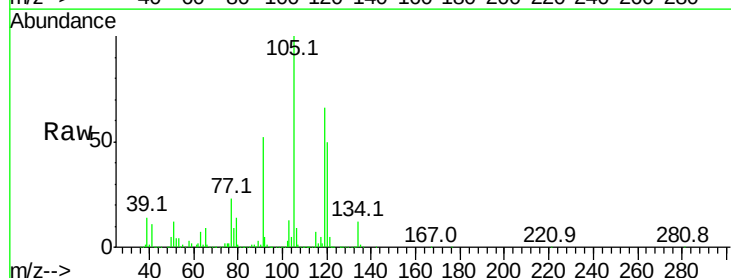
Ion Ratio Lower Upper

105 100

120 49.5 39.8 59.8

91 51.4 37.0 55.4

77 22.9 17.0 25.4

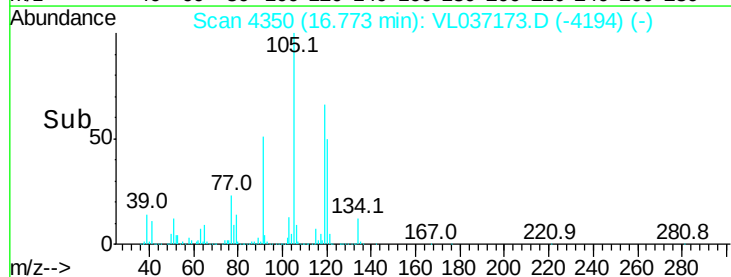
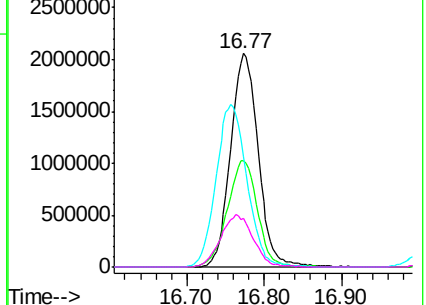


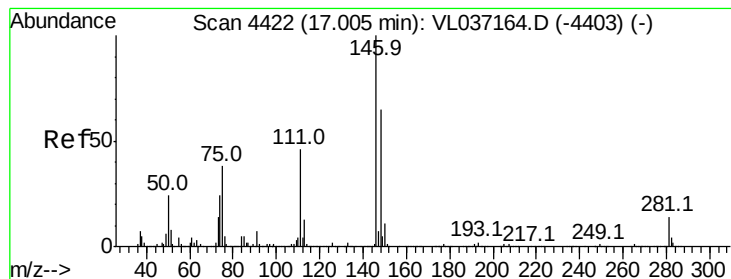
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 7.987 ppbv

RT: 17.01 min Scan# 4423

Delta R.T. 0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

Instrument :

MSVOA_L

ClientSampleId :

VL0616ABS01

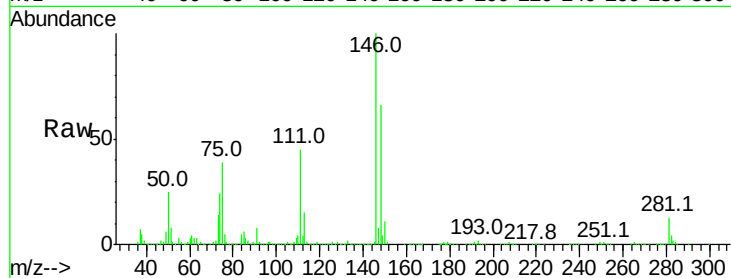
Tgt Ion:146 Resp: 3116358

Ion Ratio Lower Upper

146 100

111 44.9 22.2 66.6

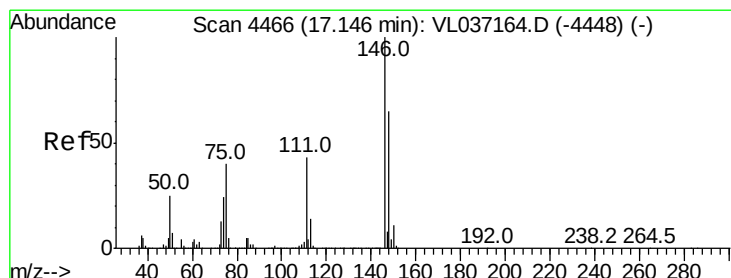
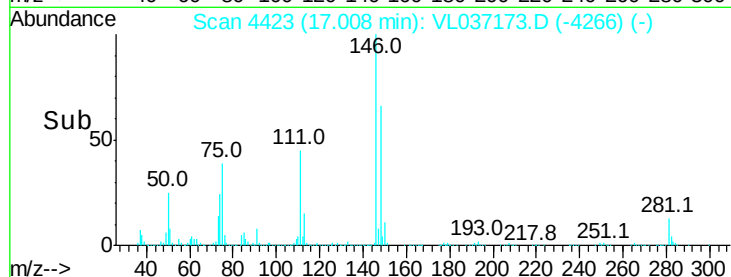
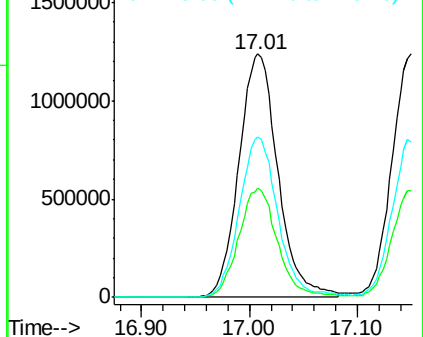
148 65.3 32.4 97.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 7.759 ppbv

RT: 17.15 min Scan# 4467

Delta R.T. 0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

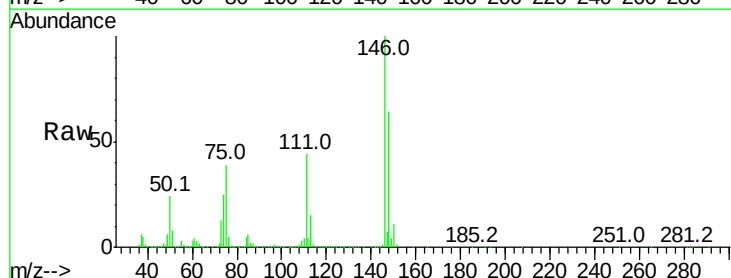
Tgt Ion:146 Resp: 3023944

Ion Ratio Lower Upper

146 100

111 44.7 22.7 68.0

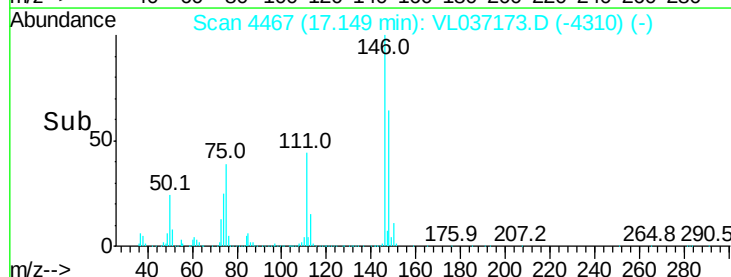
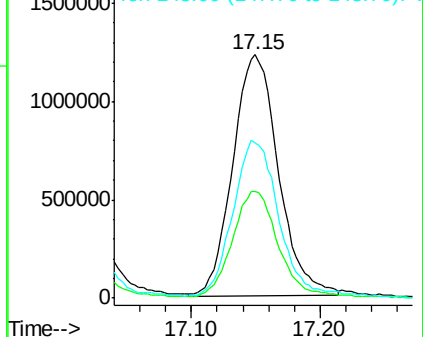
148 66.7 33.7 101.1

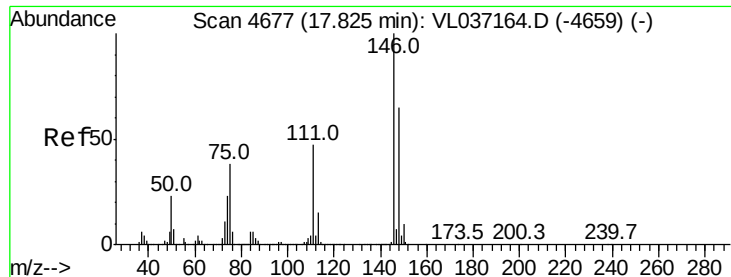


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

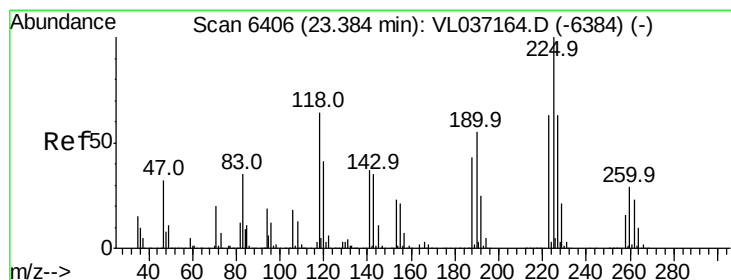
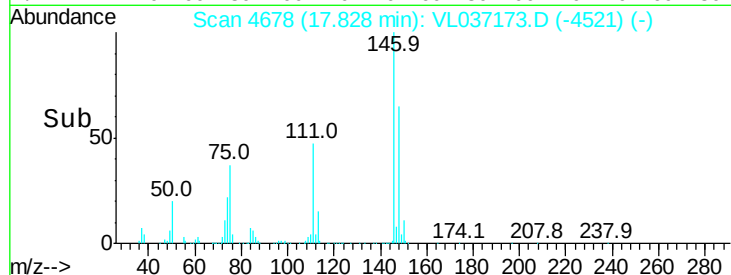
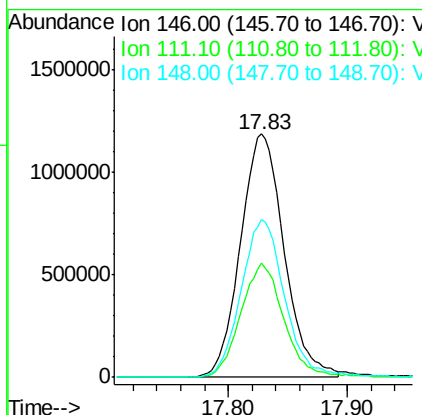
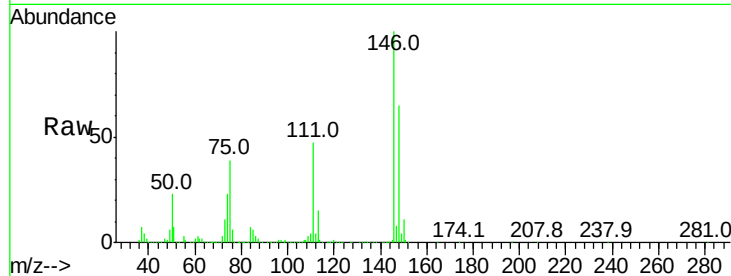




#77
 1,2-Dichlorobenzene
 Concen: 7.942 ppbv
 RT: 17.83 min Scan# 4678
 Delta R.T. 0.00 min
 Lab File: VL037173.D
 Acq: 16 Jun 2021 16:40

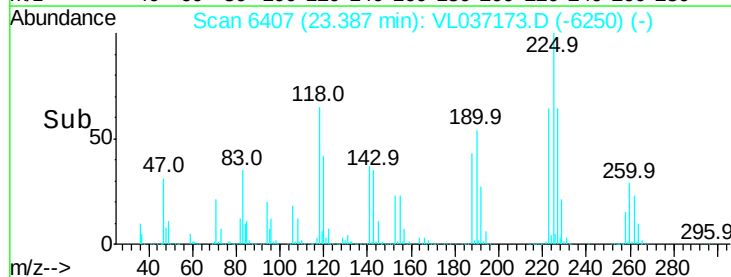
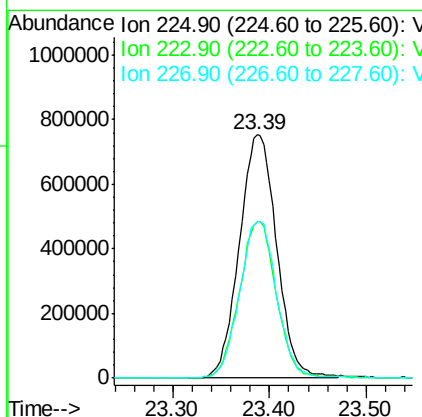
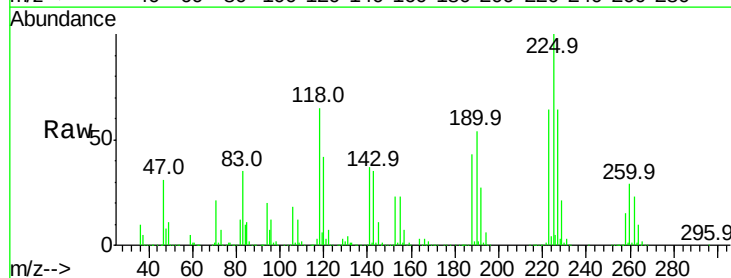
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0616ABS01

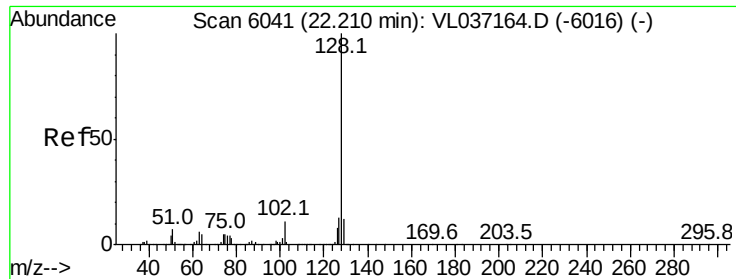
Tgt Ion:146 Resp: 2997537
 Ion Ratio Lower Upper
 146 100
 111 46.7 23.3 69.8
 148 64.8 32.4 97.0



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.228 ppbv
 RT: 23.39 min Scan# 6407
 Delta R.T. 0.00 min
 Lab File: VL037173.D
 Acq: 16 Jun 2021 16:40

Tgt Ion:225 Resp: 2021039
 Ion Ratio Lower Upper
 225 100
 223 64.1 51.8 77.8
 227 64.5 51.4 77.0

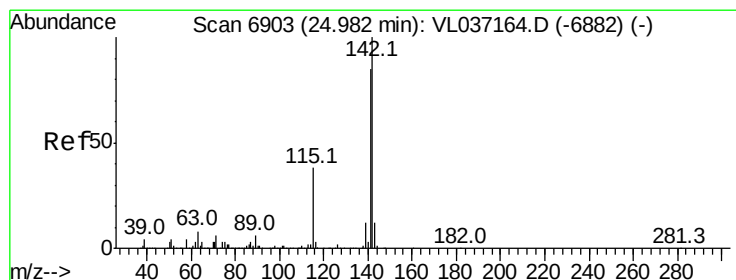
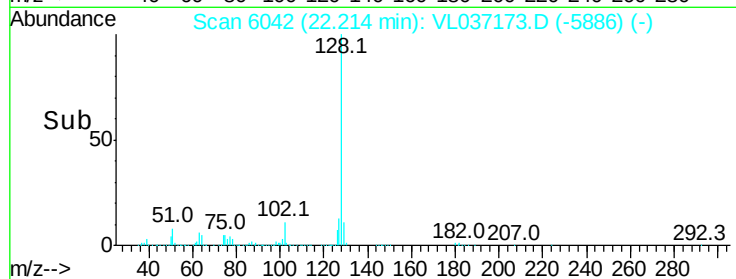
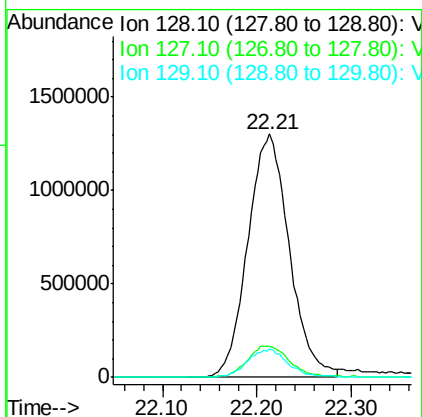
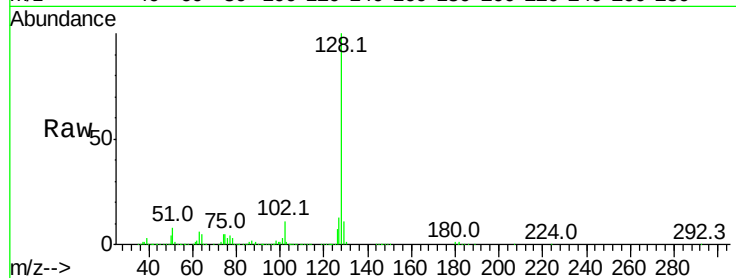




#79
Naphthalene
Concen: 7.406 ppbv
RT: 22.21 min Scan# 6042
Delta R.T. 0.00 min
Lab File: VL037173.D
Acq: 16 Jun 2021 16:40

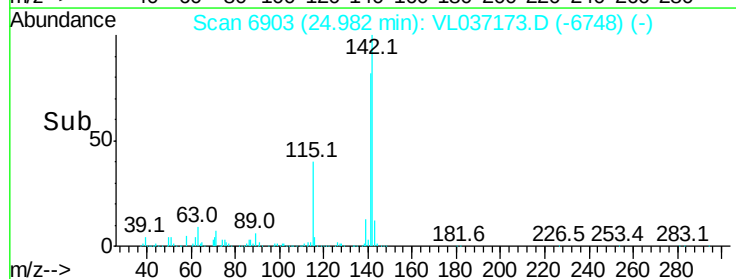
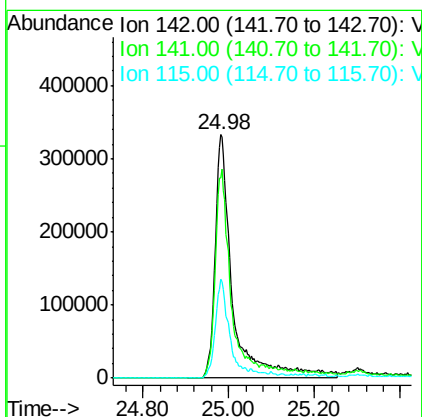
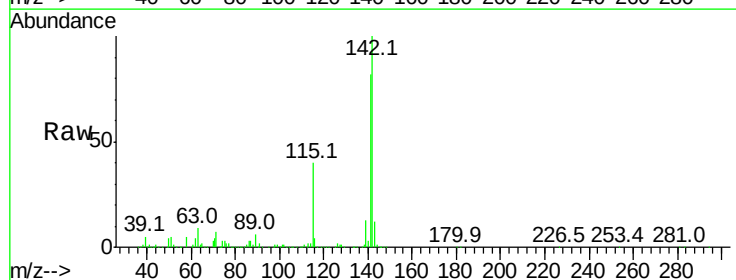
Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

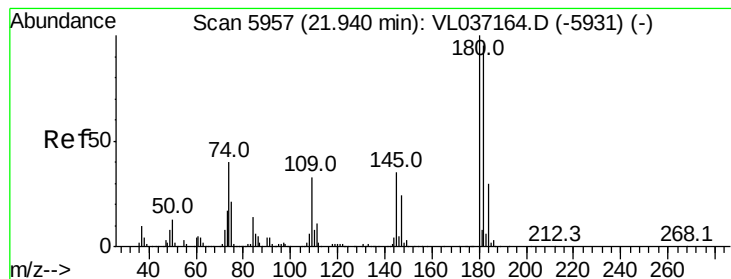
Tgt Ion:128 Resp: 3962689
Ion Ratio Lower Upper
128 100
127 12.5 10.7 16.1
129 11.5 9.3 13.9



#80
Naphthalene, 2-methyl-
Concen: 6.843 ppbv
RT: 24.98 min Scan# 6903
Delta R.T. -0.00 min
Lab File: VL037173.D
Acq: 16 Jun 2021 16:40

Tgt Ion:142 Resp: 960287
Ion Ratio Lower Upper
142 100
141 79.3 63.7 95.5
115 34.2 30.6 45.8





#81

1,2,4-Trichlorobenzene

Concen: 7.118 ppbv

RT: 21.94 min Scan# 5957

Delta R.T. -0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

Instrument :

MSVOA_L

ClientSampleId :

VL0616ABS01

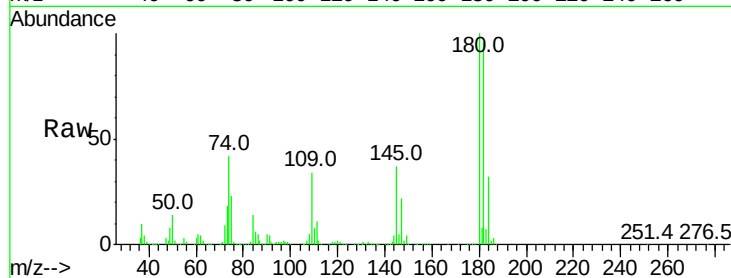
Tgt Ion:180 Resp: 2197587

Ion Ratio Lower Upper

180 100

182 100.6 79.3 118.9

184 31.1 24.7 37.1



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

