

Data File : VL037151.D

Acq On : 14 Jun 2021 16:11

Operator : SY/AP

Sample : VSTDIC015

Misc : 400mL/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Quant Time: Jun 14 16:41:10 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL061421AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jun 14 16:38:23 2021

QLast Update : Mon Jun 14 16:38:23 2021

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1622631	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	4829389	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	6187202	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3559282	7.66	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	76.60%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.05	85	2808753	10.204	ppbv	97
3) Chlorodifluoromethane	3.00	51	4031781	13.563	ppbv	99
4) Chloromethane	3.15	50	1445199	14.287	ppbv	99
5) Vinyl Chloride	3.26	62	1543580	13.960	ppbv	98
6) Bromomethane	3.48	94	912888	15.668	ppbv	99
7) Chloroethane	3.56	64	561917	15.651	ppbv	96
8) Dichlorotetrafluoroethane	3.20	85	3511085	13.585	ppbv	100
9) Propene	3.02	41	1325055	12.448	ppbv	100
10) Heptane	8.14	43	3424933	12.911	ppbv	99
11) Trichlorofluoromethane	3.96	101	4035184	15.837	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.50	101	2843040	15.665	ppbv	98
13) Ethanol	3.62	45	78787	5.547	ppbv #	21
14) Bromoethene	3.75	108	1252259	15.665	ppbv	100
15) Acetone	3.86	43	2107199	12.679	ppbv	98
16) 1,3-Butadiene	3.33	39	1517289	14.694	ppbv	98
17) tert-Butyl alcohol	4.30	59	2415305	15.865	ppbv	100
18) 1,1-Dichloroethene	4.30	96	1291379	15.388	ppbv	96
19) Isopropyl Alcohol	3.98	45	1494832	16.732	ppbv #	98
20) Methylene Chloride	4.35	84	997256	11.194	ppbv	95
21) Allyl Chloride	4.42	41	1896334	15.125	ppbv	98
22) trans-1,2-Dichloroethene	4.90	96	1289745	16.036	ppbv	98
23) Vinyl Acetate	5.09	43	3816915	14.469	ppbv	99
24) 1,1-Dichloroethane	5.02	63	2842902	14.972	ppbv	99
25) Ethyl Acetate	5.69	43	5305742	13.285	ppbv	99
26) Hexane	5.70	57	2524267	12.372	ppbv	99
27) Carbon Disulfide	4.56	76	3061404	14.888	ppbv	100
28) Methyl tert-Butyl Ether	5.05	73	3247675	13.280	ppbv	99
29) Chloroform	5.77	83	4260972	14.783	ppbv	100
30) Cyclohexane	7.15	84	2305021	13.295	ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	2626892	14.361	ppbv	98
32) 1,1,1-Trichloroethane	6.53	97	4396638	14.205	ppbv	100
34) 2-Butanone	5.26	43	2562096	14.570	ppbv	99
35) Carbon Tetrachloride	7.03	117	4742273	14.779	ppbv	99
36) Benzene	6.91	78	5330020	12.813	ppbv	99
37) 1,2-Dichloroethane	6.32	62	3191727	15.476	ppbv	100
38) Trichloroethene	7.85	130	2360307	13.264	ppbv	97
39) 1,2-Dichloropropane	7.63	63	2085585	13.015	ppbv	98
40) 1,4-Dioxane	7.85	88	559895	14.798	ppbv	97
41) Tetrahydrofuran	6.07	42	1289744	12.878	ppbv	99
42) Bromodichloromethane	7.81	83	4669611	14.966	ppbv	100
43) Methyl Methacrylate	8.03	69	2034514	14.190	ppbv	99

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ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

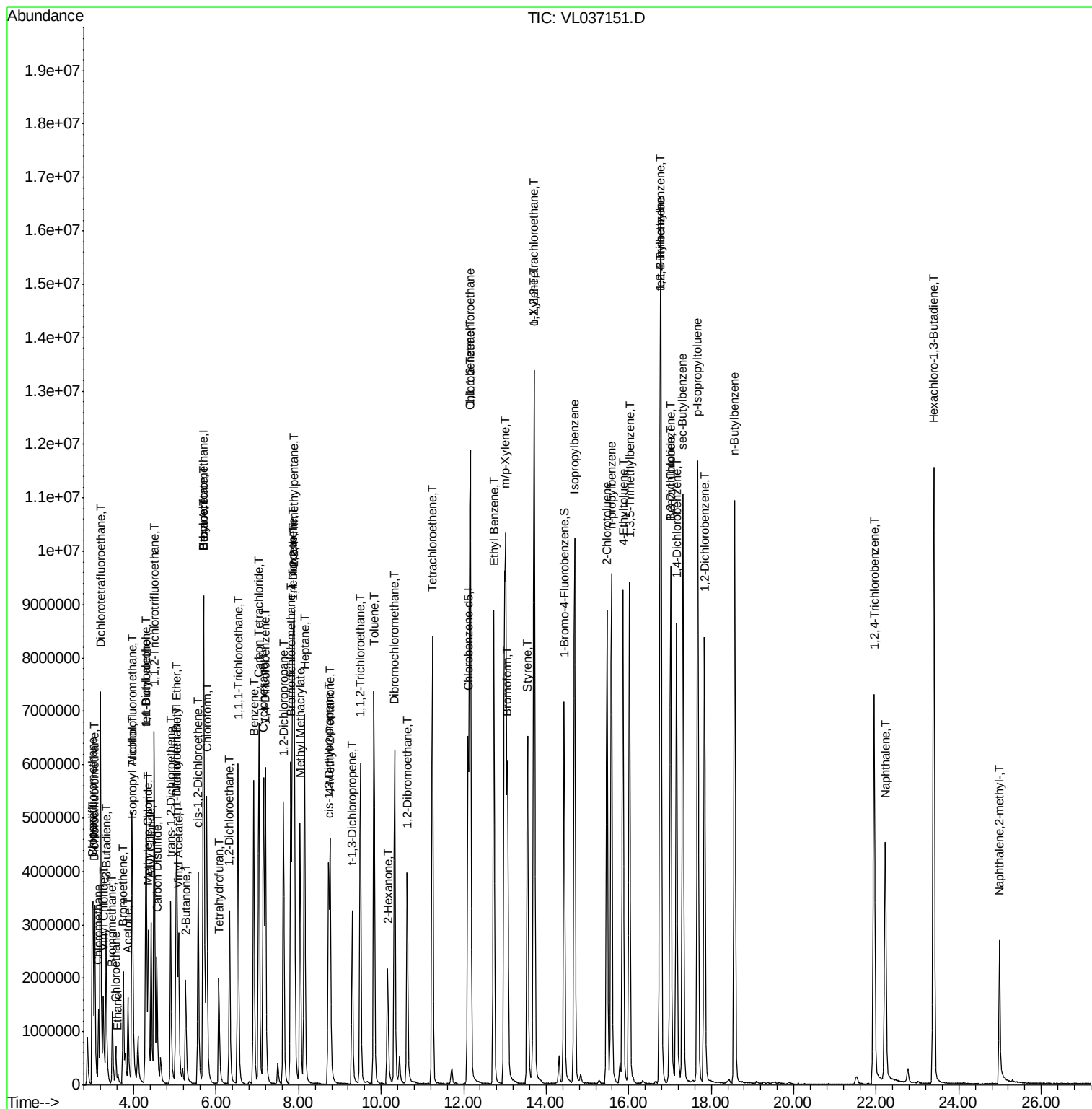
Quant Time: Jun 14 16:41:10 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL061421AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jun 14 16:38:23 2021
QLast Update : Mon Jun 14 16:38:23 2021
Response via : Initial Calibration

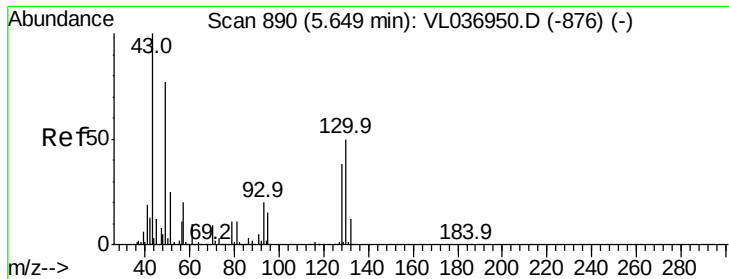
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	8496076	11.905	ppbv	98
45) t-1,3-Dichloropropene	9.30	75	2116544	19.323	ppbv	98
46) cis-1,3-Dichloropropene	8.72	75	2591747	17.591	ppbv	97
47) 1,1,2-Trichloroethane	9.50	97	2337416	13.937	ppbv	99
48) Dibromochloromethane	10.32	129	4271531	15.729	ppbv	99
49) Bromoform	13.06	173	3581848	15.971	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	3932491	13.552	ppbv	99
51) 2-Hexanone	10.15	43	2161574	14.091	ppbv #	97
52) Tetrachloroethene	11.24	164	2274095	13.748	ppbv	97
53) Toluene	9.83	91	6434738	13.000	ppbv	99
54) 1,2-Dibromoethane	10.63	107	3542605	14.857	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.15	131	2862991	10.997	ppbv	98
57) Chlorobenzene	12.17	112	4939338	10.296	ppbv	99
58) Ethyl Benzene	12.73	91	8468115	9.697	ppbv	98
59) m/p-Xylene	13.02	91	7096439	9.831	ppbv #	27
60) o-Xylene	13.72	91	6863086	9.969	ppbv	99
61) Styrene	13.55	104	4156925	10.718	ppbv	100
62) Isopropylbenzene	14.69	105	9432061	9.533	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.70	83	4714718	9.170	ppbv	100
64) n-propylbenzene	15.58	120	2684594	10.517	ppbv	92
65) tert-Butylbenzene	16.76	119	8639834	9.677	ppbv	99
66) Benzyl Chloride	17.00	91	514609	10.389	ppbv	98
67) sec-Butylbenzene	17.32	105	11263477	9.248	ppbv	98
69) p-Isopropyltoluene	17.67	119	9898625	9.453	ppbv	98
70) n-Butylbenzene	18.57	91	9461189	9.511	ppbv	98
71) 2-Chlorotoluene	15.47	91	7062406	9.883	ppbv	98
72) 4-Ethyltoluene	15.86	105	8259892	10.109	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	7619999	9.931	ppbv	100
74) 1,2,4-Trimethylbenzene	16.79	105	7800871	9.833	ppbv	99
75) 1,3-Dichlorobenzene	17.02	146	5013580	10.349	ppbv	99
76) 1,4-Dichlorobenzene	17.16	146	4875041	9.953	ppbv	97
77) 1,2-Dichlorobenzene	17.84	146	4821043	9.931	ppbv	99
78) Hexachloro-1,3-Butadiene	23.40	225	3061088	7.842	ppbv	100
79) Naphthalene	22.22	128	6406833	10.292	ppbv	99
80) Naphthalene,2-methyl-	24.99	142	1949150	14.400	ppbv	95
81) 1,2,4-Trichlorobenzene	21.95	180	3643912	9.603	ppbv	100

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

ALS Vial : 1 Sample Multiplier: 1

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.01 min

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MSVOA_L

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VSTDIC015

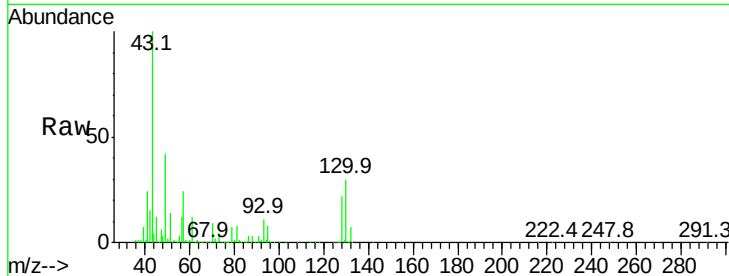
Tgt Ion: 49 Resp: 1622631

Ion Ratio Lower Upper

49 100

128 59.4 28.8 86.5

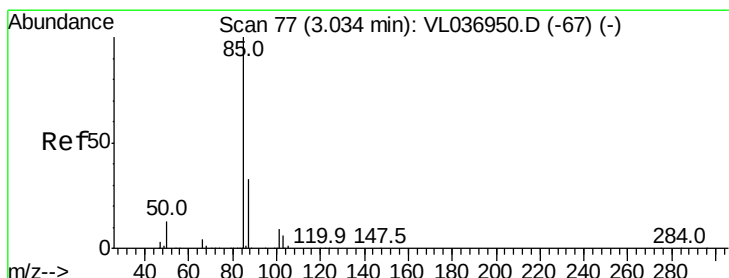
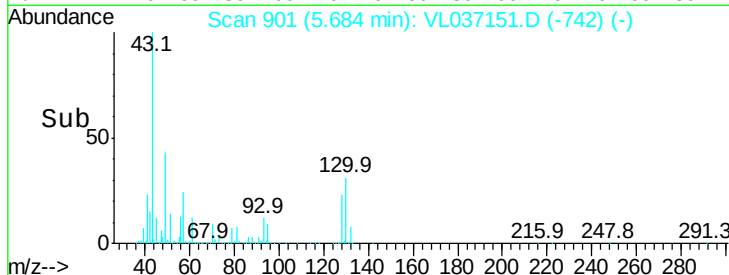
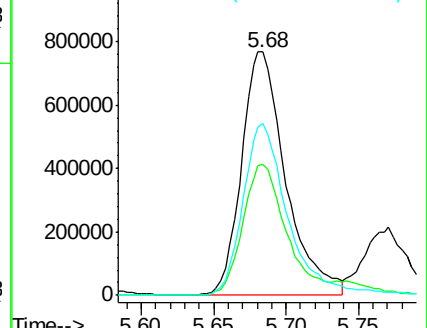
130 73.0 36.0 108.0



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 10.204 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.00 min

Lab File: VL037151.D

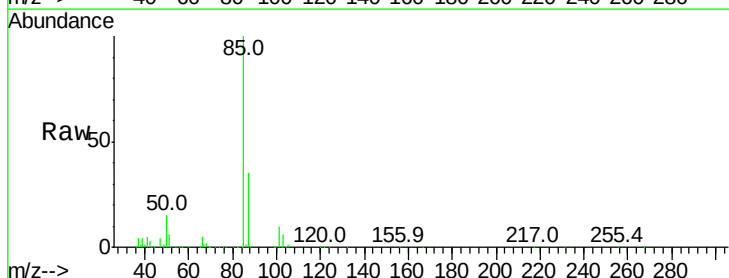
Acq: 14 Jun 2021 16:11

Tgt Ion: 85 Resp: 2808753

Ion Ratio Lower Upper

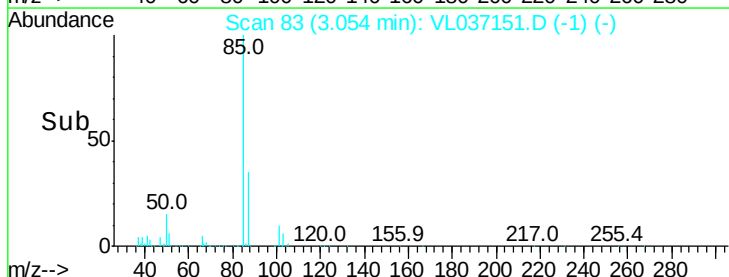
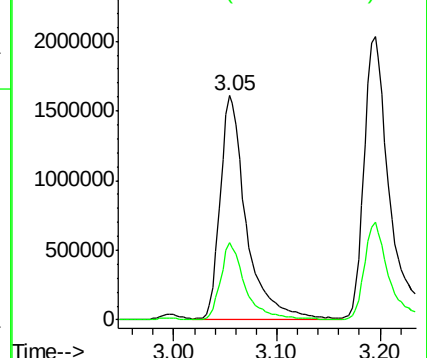
85 100

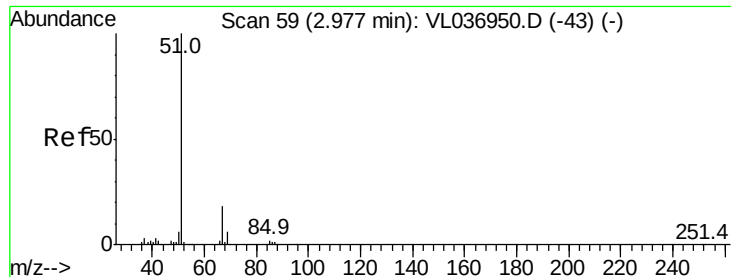
87 34.7 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 13.563 ppbv

RT: 3.00 min Scan# 65

Delta R.T. 0.01 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

Instrument :

MSVOA_L

ClientSampleId :

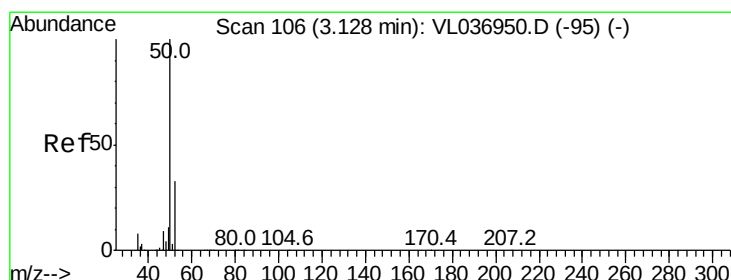
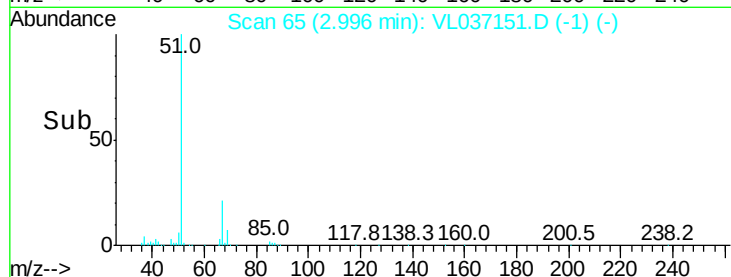
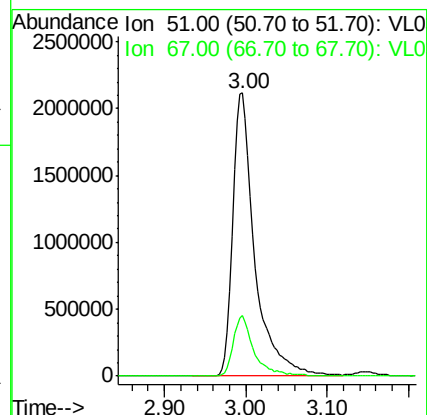
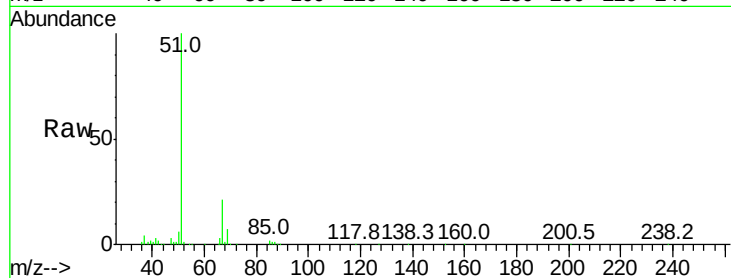
VSTDIC015

Tgt Ion: 51 Resp: 4031781

Ion Ratio Lower Upper

51 100

67 20.3 15.9 23.9



#4

Chloromethane

Concen: 14.287 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL037151.D

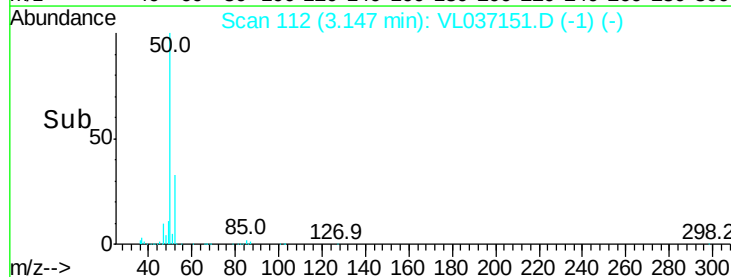
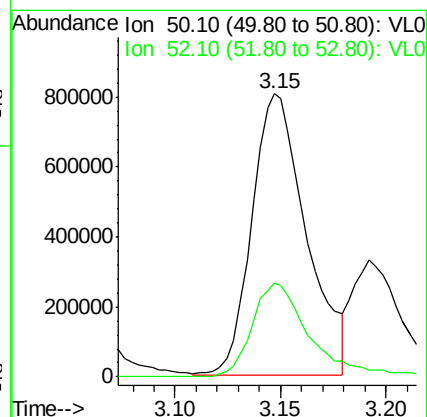
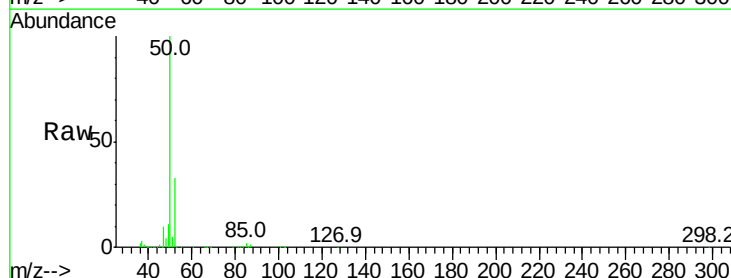
Acq: 14 Jun 2021 16:11

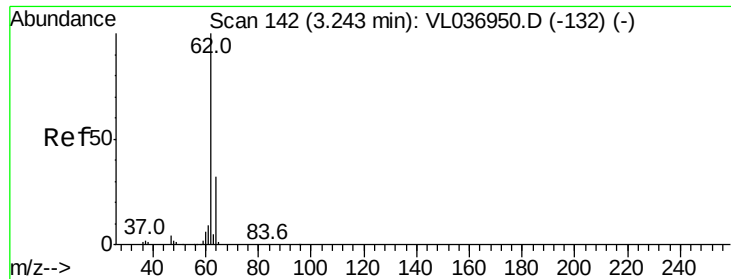
Tgt Ion: 50 Resp: 1445199

Ion Ratio Lower Upper

50 100

52 33.7 27.4 41.2





#5

Vinyl Chloride

Concen: 13.960 ppbv

RT: 3.26 min Scan# 148

Delta R.T. 0.00 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

Instrument :

MSVOA_L

ClientSampleId :

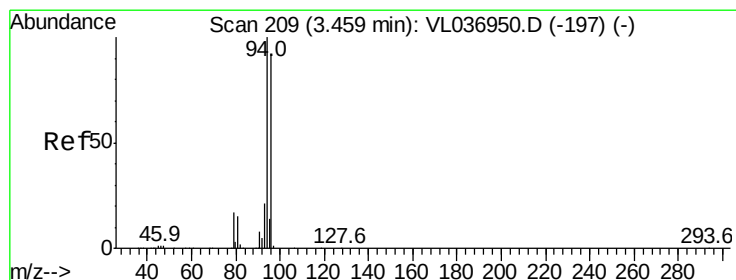
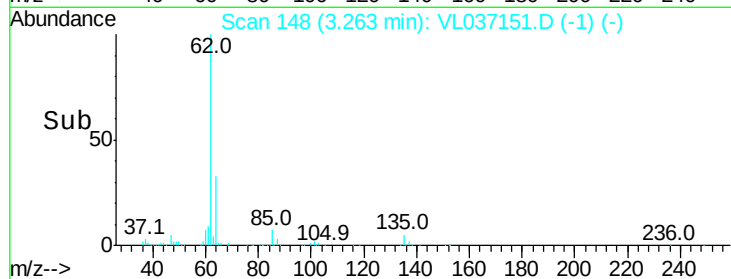
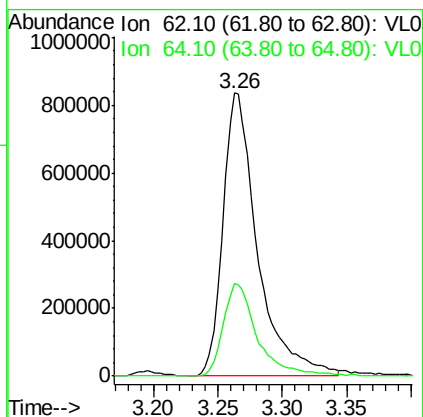
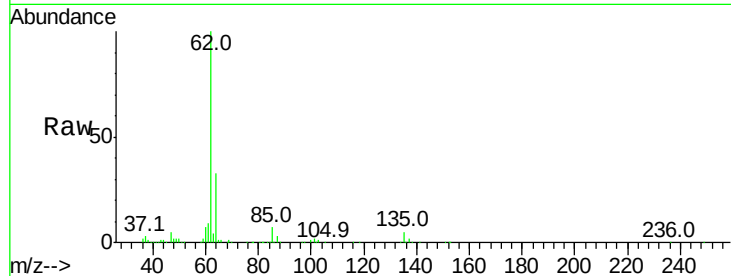
VSTDIC015

Tgt Ion: 62 Resp: 1543580

Ion Ratio Lower Upper

62 100

64 32.7 25.2 37.8



#6

Bromomethane

Concen: 15.668 ppbv

RT: 3.48 min Scan# 216

Delta R.T. 0.00 min

Lab File: VL037151.D

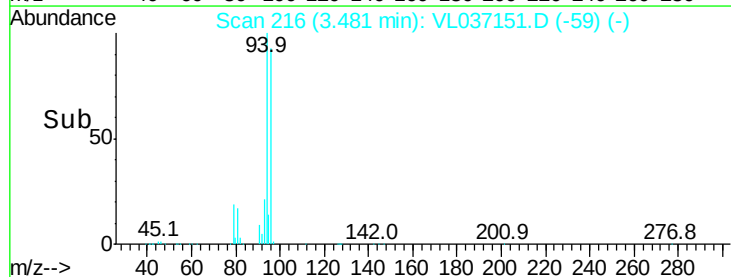
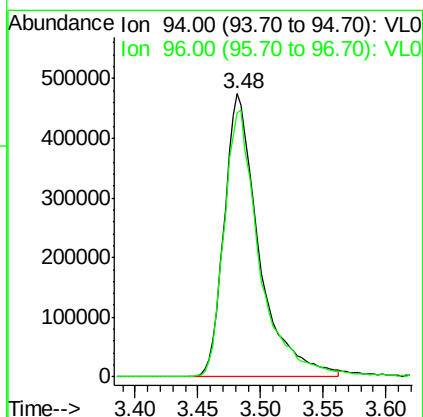
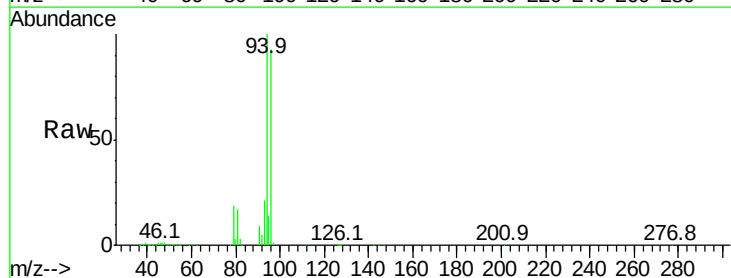
Acq: 14 Jun 2021 16:11

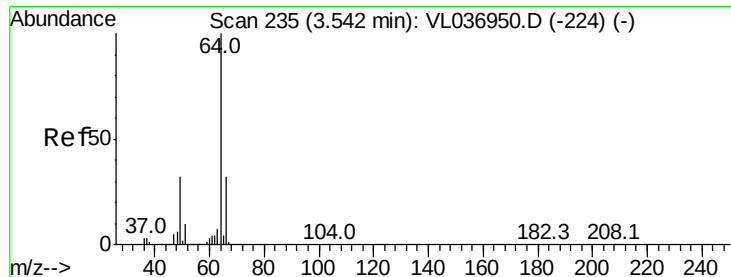
Tgt Ion: 94 Resp: 912888

Ion Ratio Lower Upper

94 100

96 93.4 74.2 111.2





#7

Chloroethane

Concen: 15.651 ppbv

RT: 3.56 min Scan# 242

Delta R.T. 0.00 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

Instrument :

MSVOA_L

ClientSampleId :

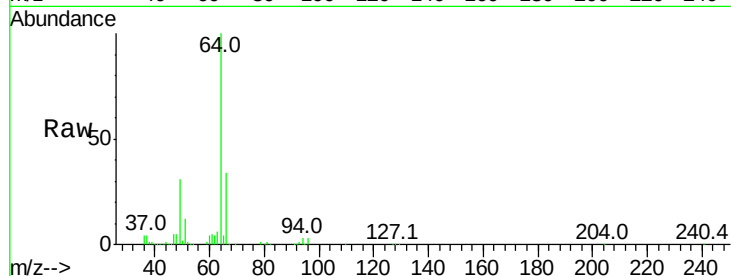
VSTDIC015

Tgt Ion: 64 Resp: 561917

Ion Ratio Lower Upper

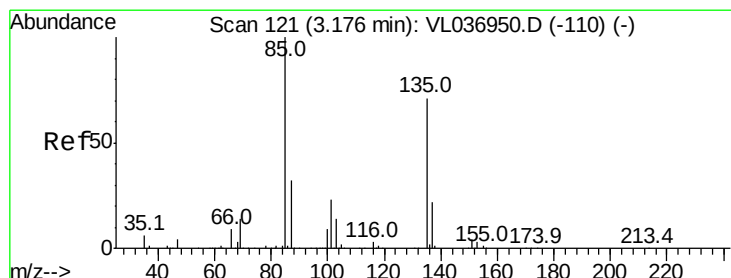
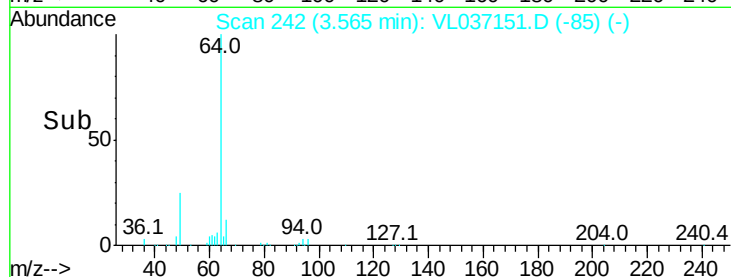
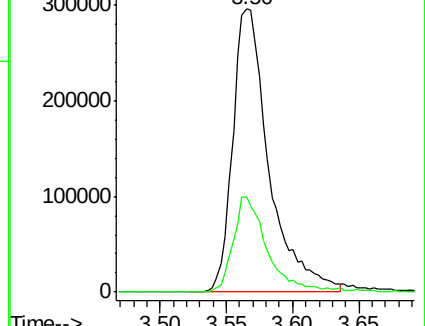
64 100

66 33.6 25.3 37.9



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 13.585 ppbv

RT: 3.20 min Scan# 127

Delta R.T. 0.00 min

Lab File: VL037151.D

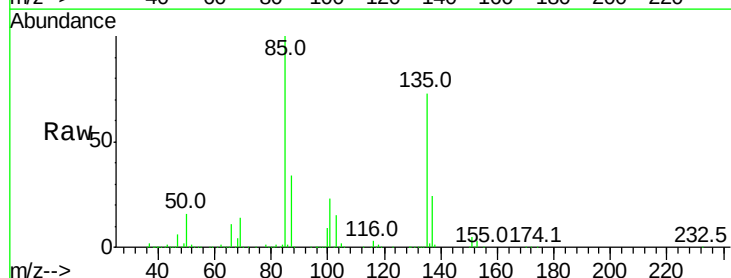
Acq: 14 Jun 2021 16:11

Tgt Ion: 85 Resp: 3511085

Ion Ratio Lower Upper

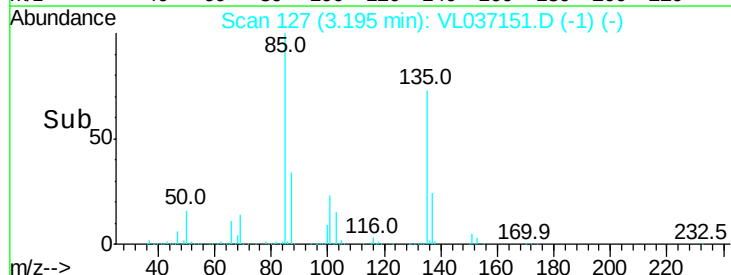
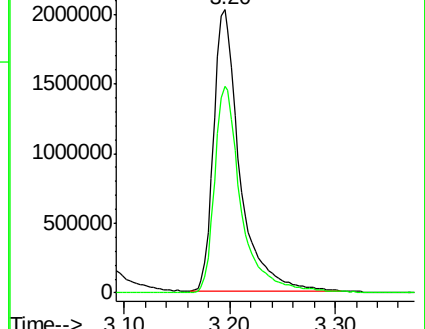
85 100

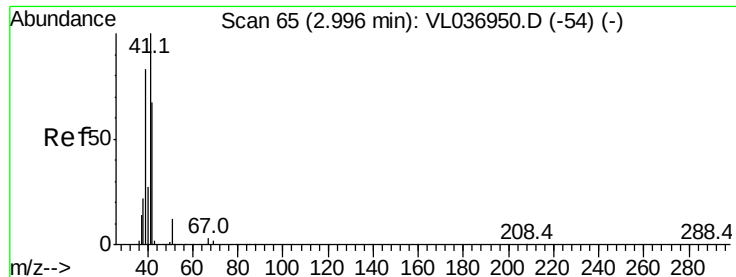
135 75.2 60.3 90.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 12.448 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.00 min

Lab File: VL037151.D

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ClientSampleId :

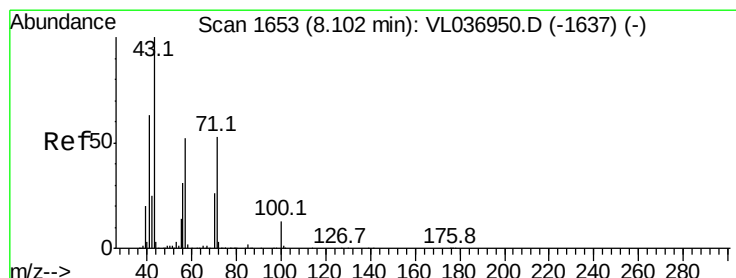
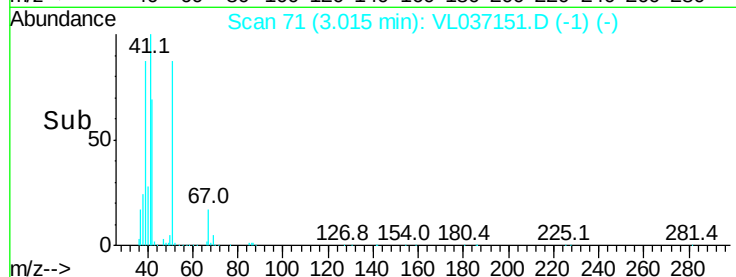
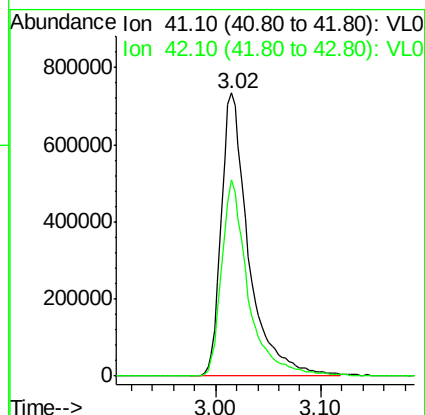
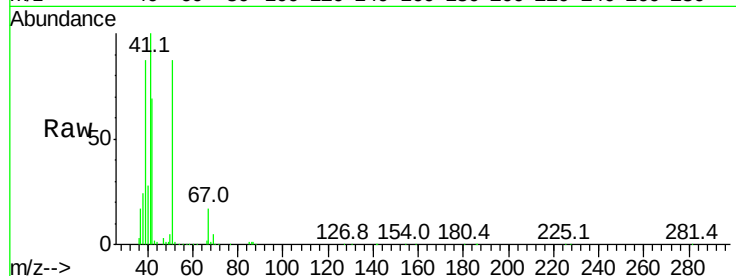
VSTDIC015

Tgt Ion: 41 Resp: 1325055

Ion Ratio Lower Upper

41 100

42 67.5 53.8 80.8



#10

Heptane

Concen: 12.911 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. 0.01 min

Lab File: VL037151.D

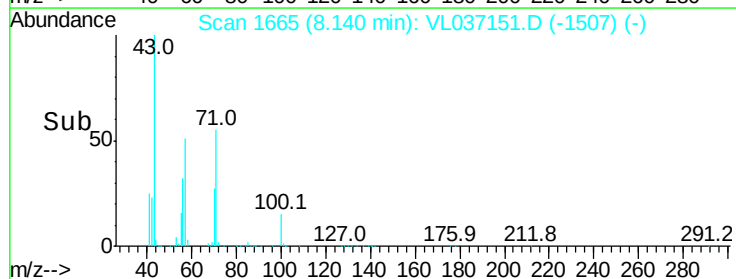
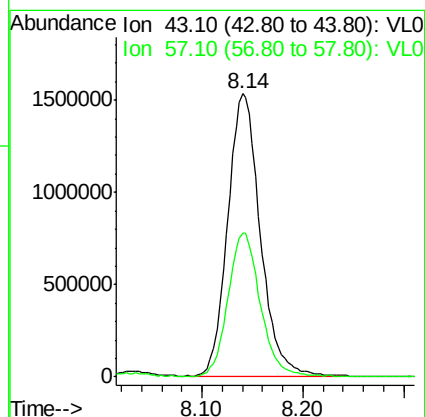
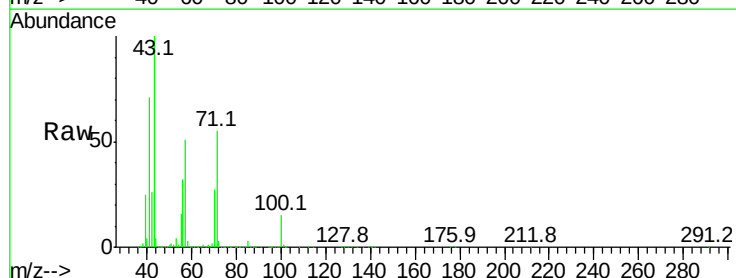
Acq: 14 Jun 2021 16:11

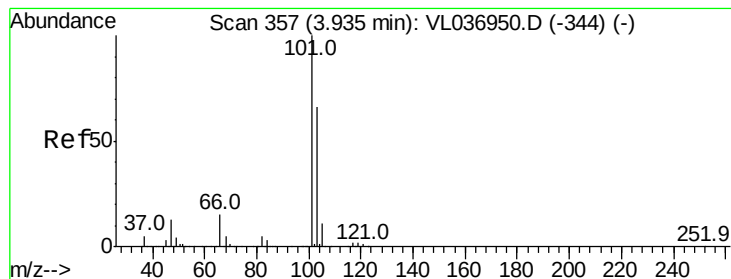
Tgt Ion: 43 Resp: 3424933

Ion Ratio Lower Upper

43 100

57 51.1 40.5 60.7





#11

Trichlorofluoromethane

Concen: 15.837 ppbv

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

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Acq: 14 Jun 2021 16:11

Instrument :

MSVOA_L

ClientSampleId :

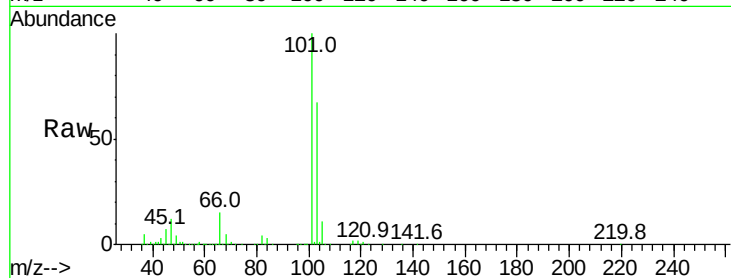
VSTDIC015

Tgt Ion:101 Resp: 4035184

Ion Ratio Lower Upper

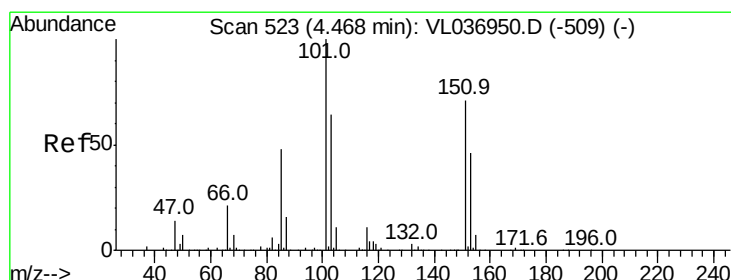
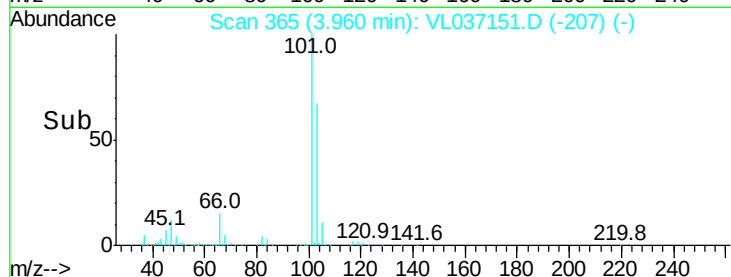
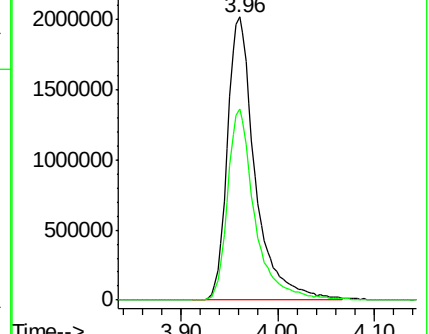
101 100

103 67.4 53.6 80.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 15.665 ppbv

RT: 4.50 min Scan# 532

Delta R.T. 0.01 min

Lab File: VL037151.D

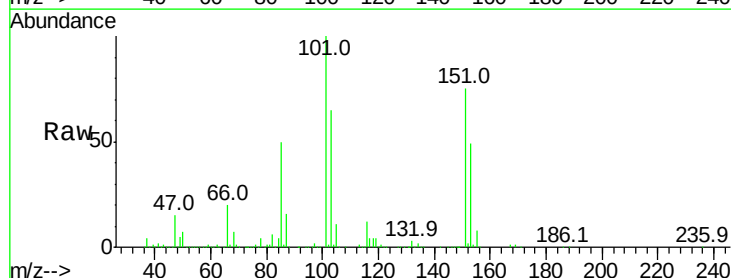
Acq: 14 Jun 2021 16:11

Tgt Ion:101 Resp: 2843040

Ion Ratio Lower Upper

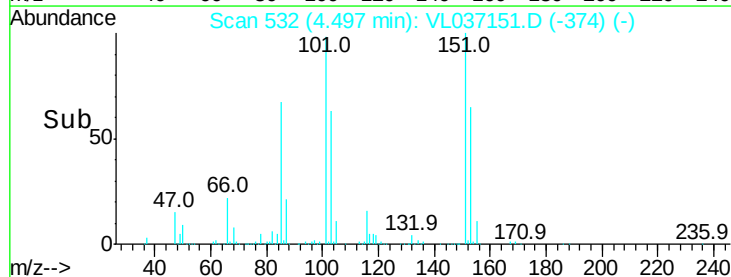
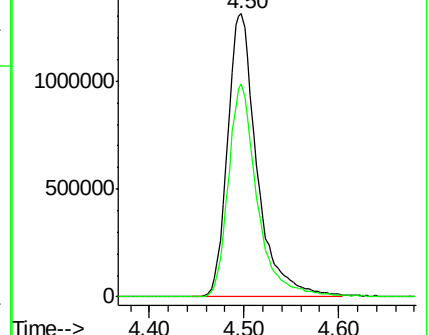
101 100

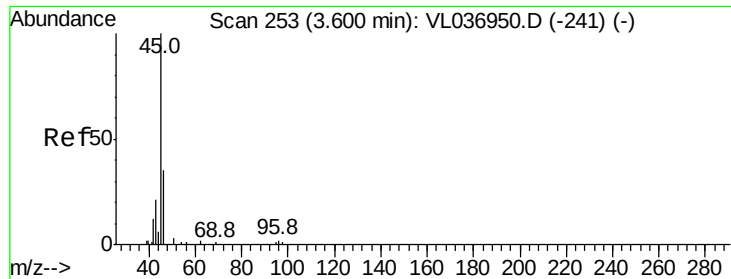
151 74.1 60.5 90.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

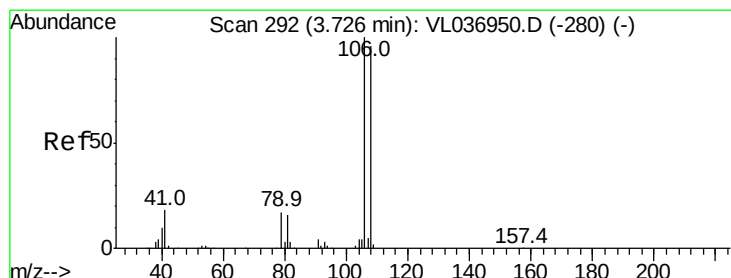
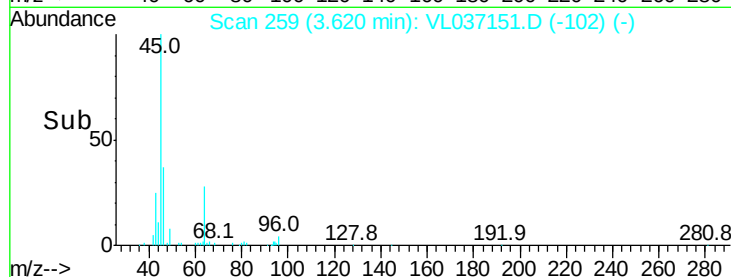
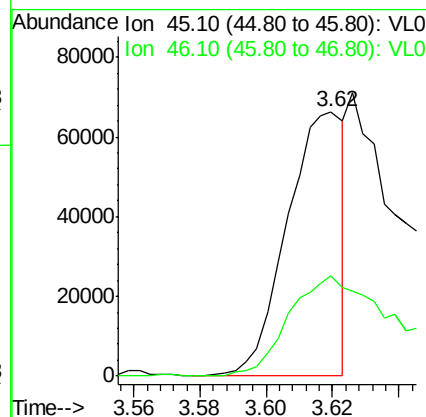
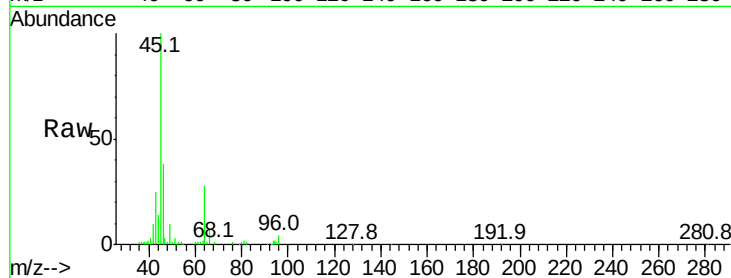




#13
 Ethanol
 Concen: 5.547 ppbv
 RT: 3.62 min Scan# 259
 Delta R.T. 0.00 min
 Lab File: VL037151.D
 Acq: 14 Jun 2021 16:11

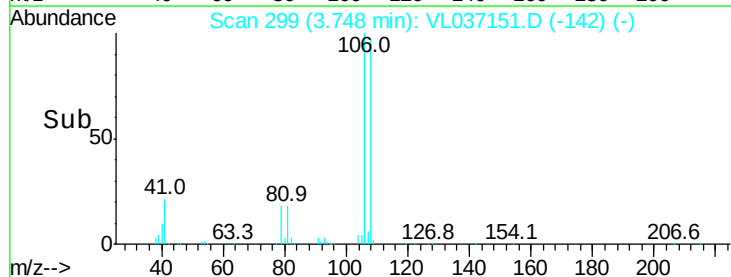
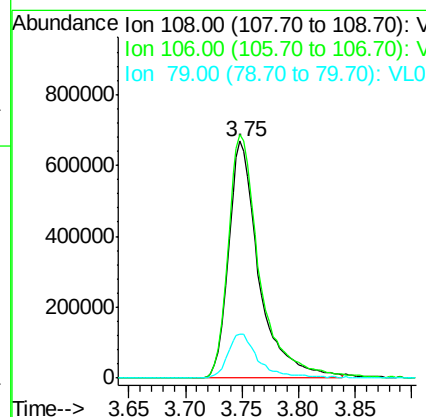
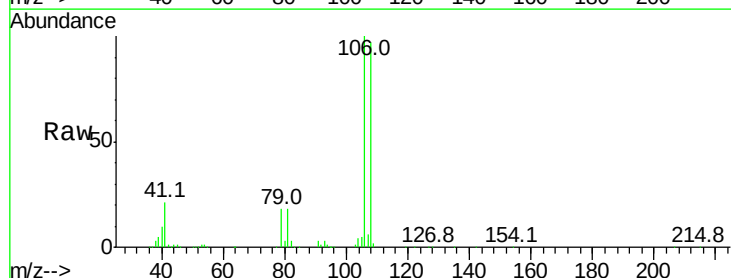
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

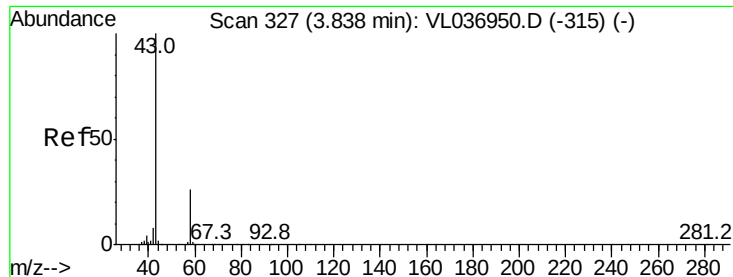
Tgt Ion: 45 Resp: 78787
 Ion Ratio Lower Upper
 45 100
 46 86.6 15.4 61.8#



#14
 Bromoethene
 Concen: 15.665 ppbv
 RT: 3.75 min Scan# 299
 Delta R.T. 0.00 min
 Lab File: VL037151.D
 Acq: 14 Jun 2021 16:11

Tgt Ion: 108 Resp: 1252259
 Ion Ratio Lower Upper
 108 100
 106 107.6 86.5 129.7
 79 19.2 15.4 23.2

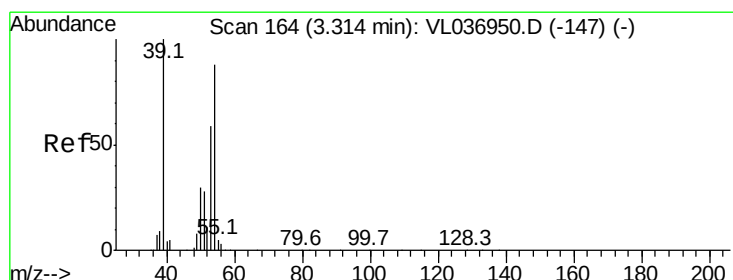
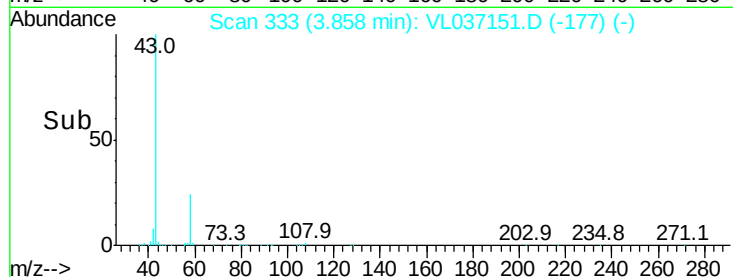
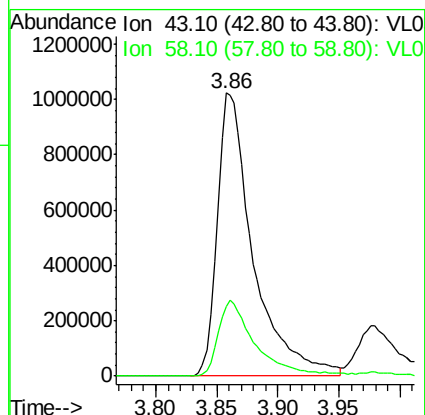
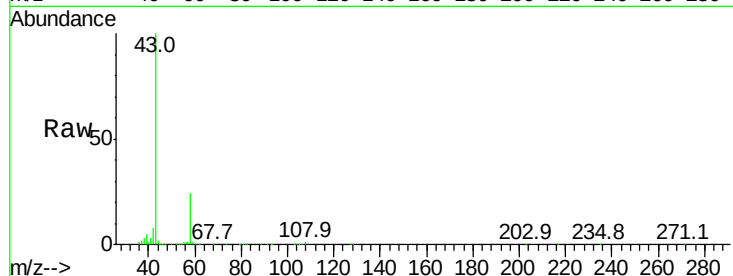




#15
Acetone
Concen: 12.679 ppbv
RT: 3.86 min Scan# 333
Delta R.T. 0.00 min
Lab File: VL037151.D
Acq: 14 Jun 2021 16:11

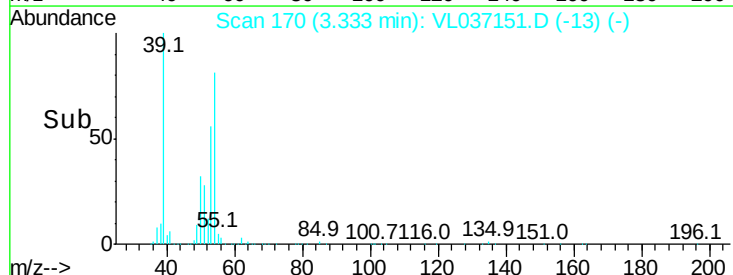
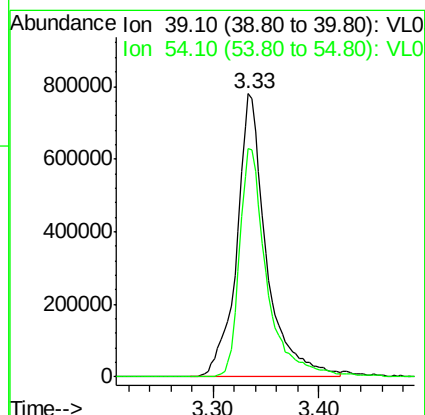
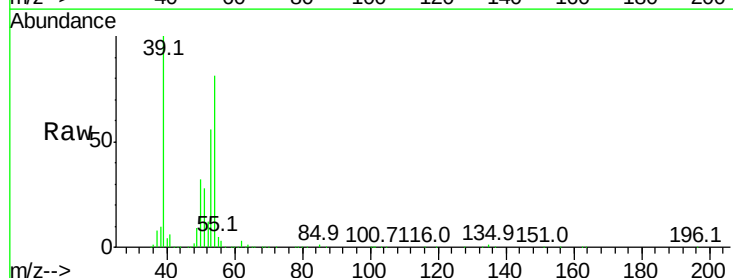
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

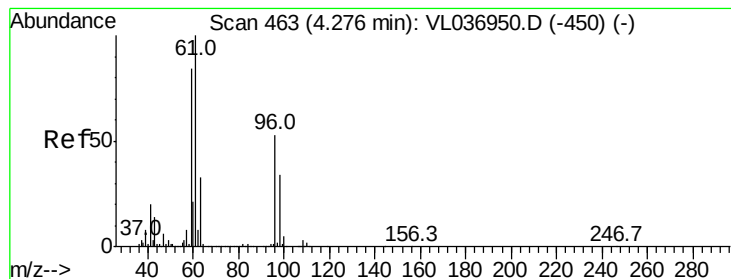
Tgt Ion: 43 Resp: 2107199
Ion Ratio Lower Upper
43 100
58 27.6 23.0 34.6



#16
1,3-Butadiene
Concen: 14.694 ppbv
RT: 3.33 min Scan# 170
Delta R.T. 0.00 min
Lab File: VL037151.D
Acq: 14 Jun 2021 16:11

Tgt Ion: 39 Resp: 1517289
Ion Ratio Lower Upper
39 100
54 75.5 61.8 92.6





#17

tert-Butyl alcohol

Concen: 15.865 ppbv

RT: 4.30 min Scan# 471

Delta R.T. 0.00 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

Instrument :

MSVOA_L

ClientSampleId :

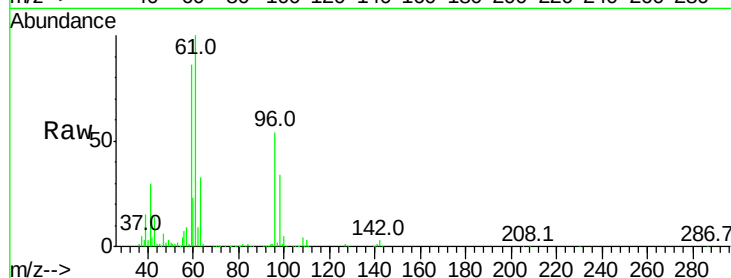
VSTDIC015

Tgt Ion: 59 Resp: 2415305

Ion Ratio Lower Upper

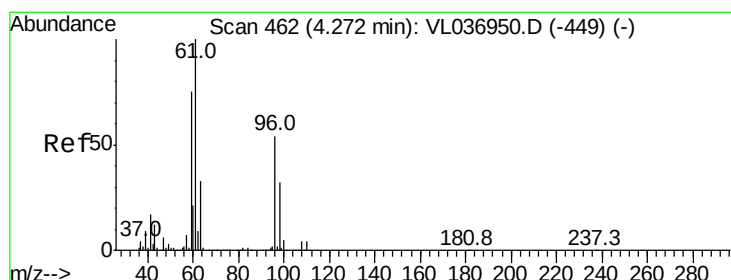
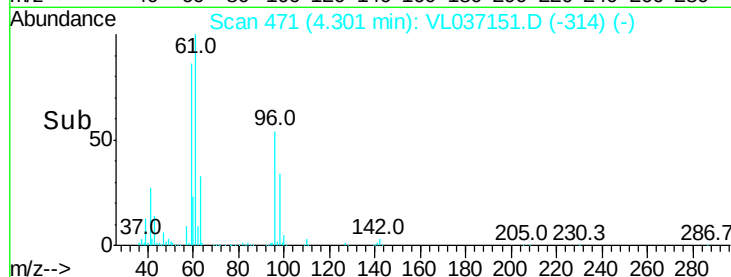
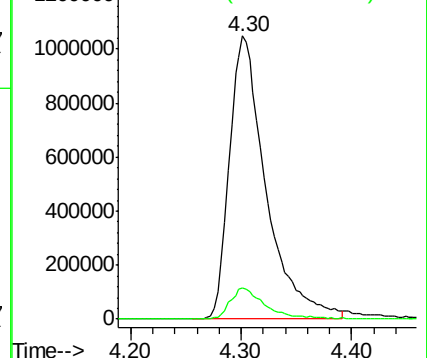
59 100

57 11.0 8.8 13.2



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 15.388 ppbv

RT: 4.30 min Scan# 471

Delta R.T. 0.01 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

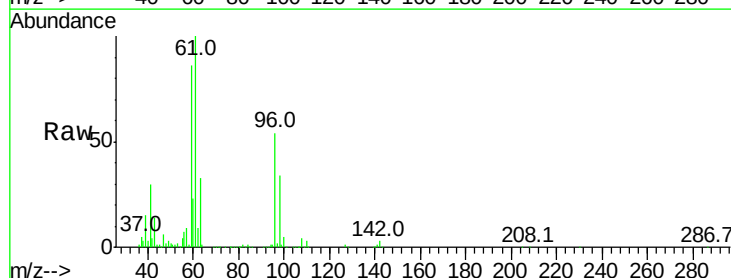
Tgt Ion: 96 Resp: 1291379

Ion Ratio Lower Upper

96 100

61 185.9 154.0 231.0

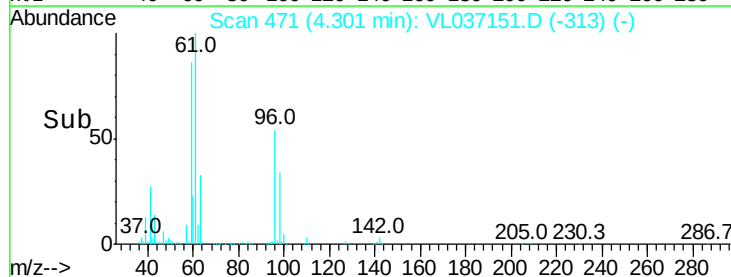
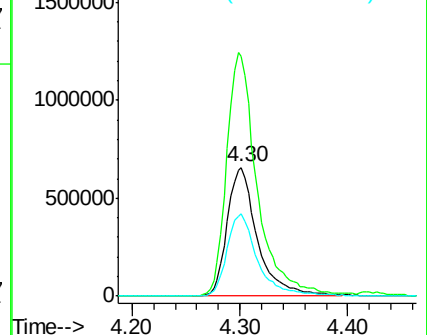
98 63.9 52.3 78.5

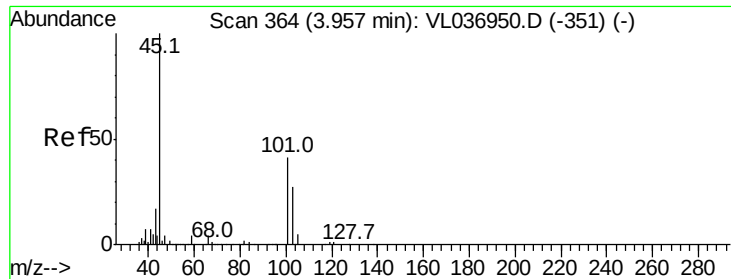


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

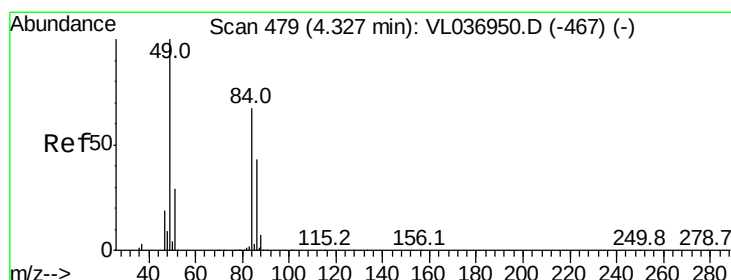
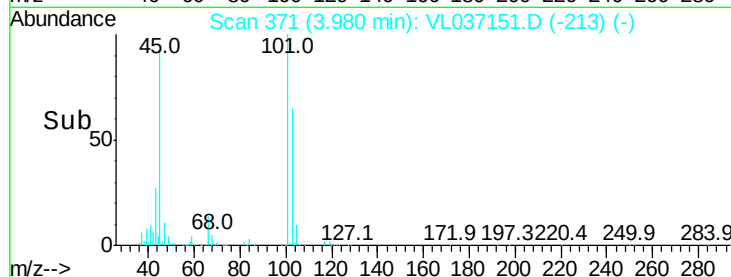
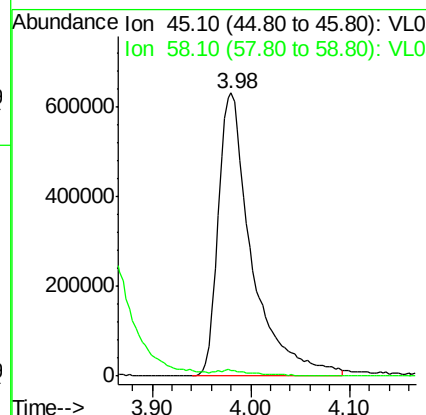
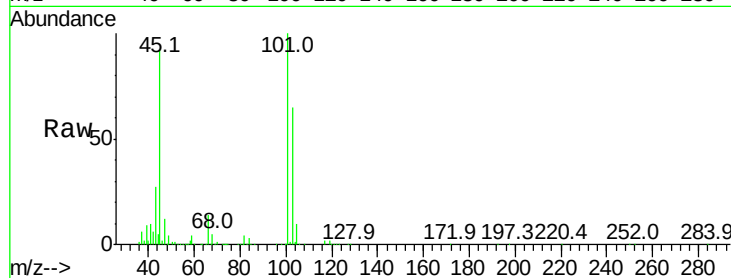




#19
Isopropyl Alcohol
Concen: 16.732 ppbv
RT: 3.98 min Scan# 371
Delta R.T. 0.01 min
Lab File: VL037151.D
Acq: 14 Jun 2021 16:11

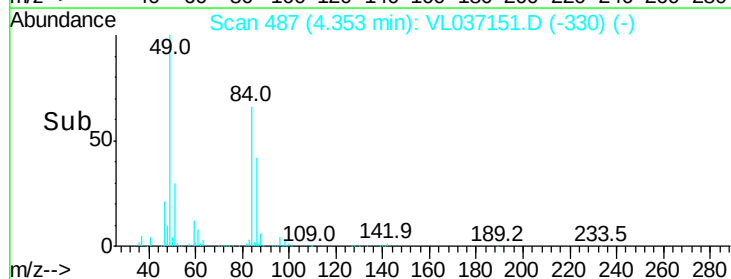
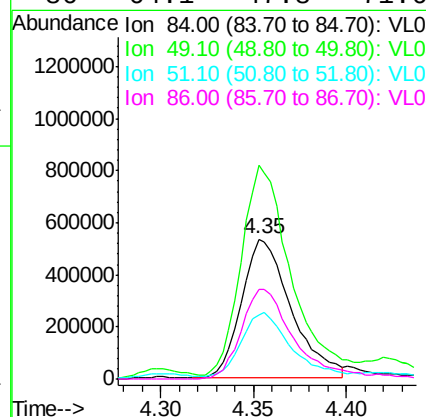
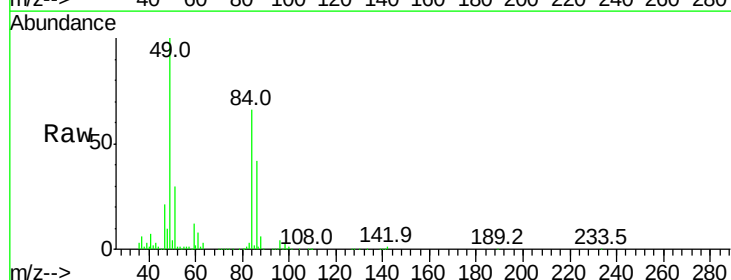
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

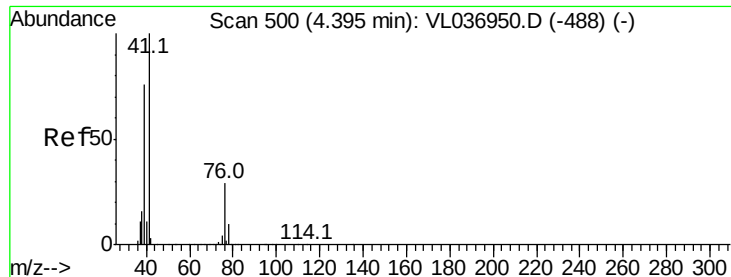
Tgt Ion: 45 Resp: 1494832
Ion Ratio Lower Upper
45 100
58 2.5 1.4 2.2#



#20
Methylene Chloride
Concen: 11.194 ppbv
RT: 4.35 min Scan# 487
Delta R.T. 0.00 min
Lab File: VL037151.D
Acq: 14 Jun 2021 16:11

Tgt Ion: 84 Resp: 997256
Ion Ratio Lower Upper
84 100
49 150.2 115.3 172.9
51 44.0 34.2 51.4
86 64.1 47.8 71.6





#21

Allyl Chloride

Concen: 15.125 ppbv

RT: 4.42 min Scan# 509

Delta R.T. 0.01 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

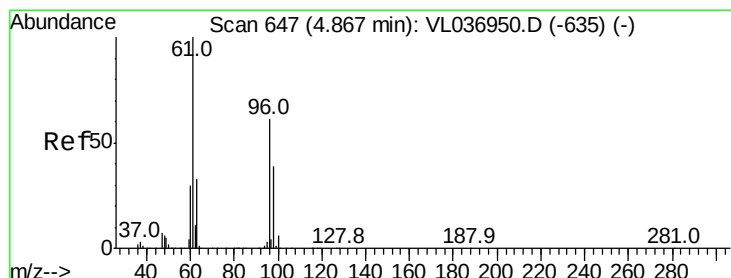
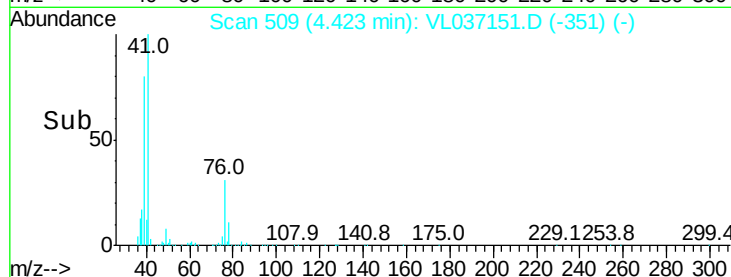
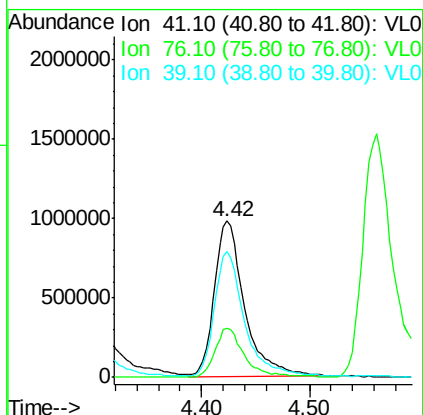
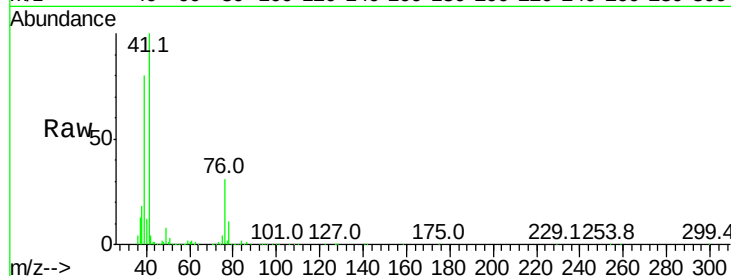
Tgt Ion: 41 Resp: 1896334

Ion Ratio Lower Upper

41 100

76 31.2 25.2 37.8

39 80.5 66.2 99.2



#22

trans-1,2-Dichloroethene

Concen: 16.036 ppbv

RT: 4.90 min Scan# 656

Delta R.T. 0.00 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

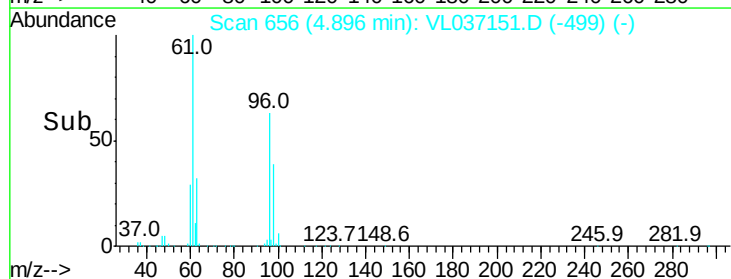
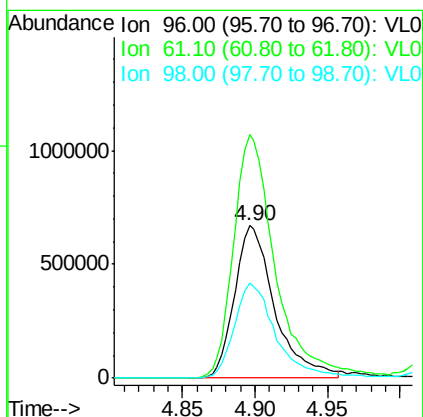
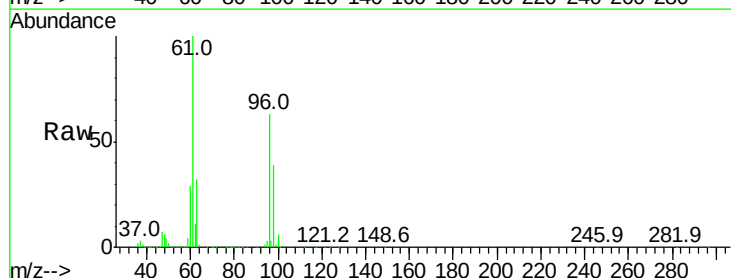
Tgt Ion: 96 Resp: 1289745

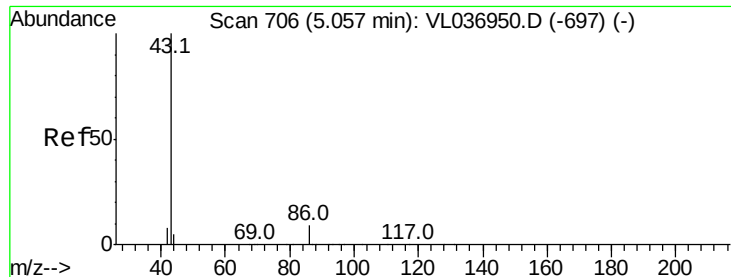
Ion Ratio Lower Upper

96 100

61 159.8 125.3 187.9

98 62.8 50.3 75.5





#23

Vinyl Acetate

Concen: 14.469 ppbv

RT: 5.09 min Scan# 715

Delta R.T. 0.01 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 43 Resp: 3816915

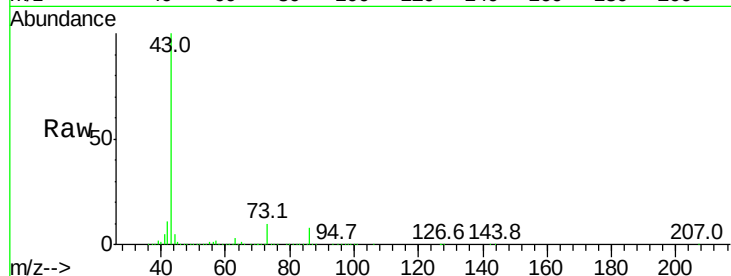
Ion Ratio Lower Upper

43 100

86 8.0 5.4 8.2

42 10.6 8.6 12.8

44 4.9 3.8 5.6

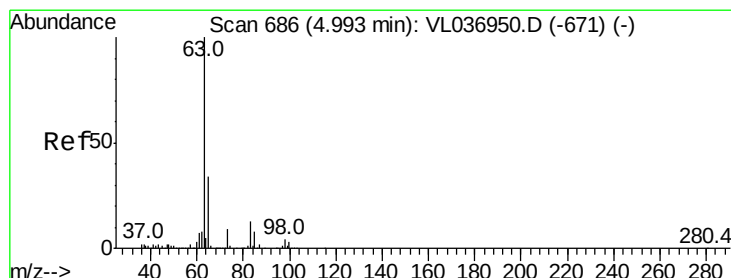
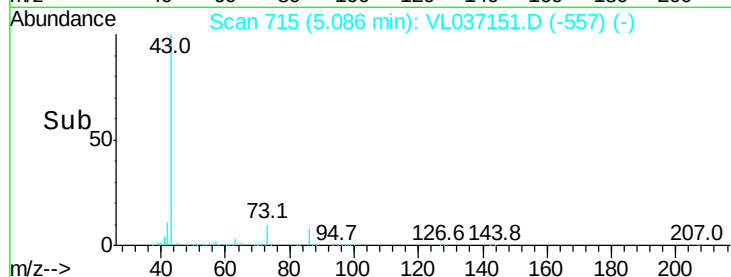
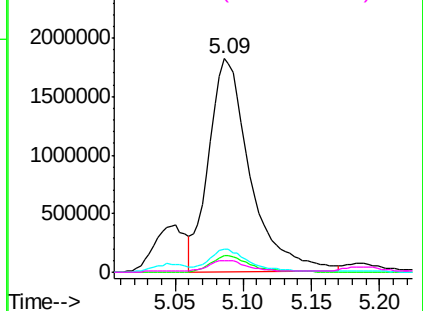


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 14.972 ppbv

RT: 5.02 min Scan# 696

Delta R.T. 0.01 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

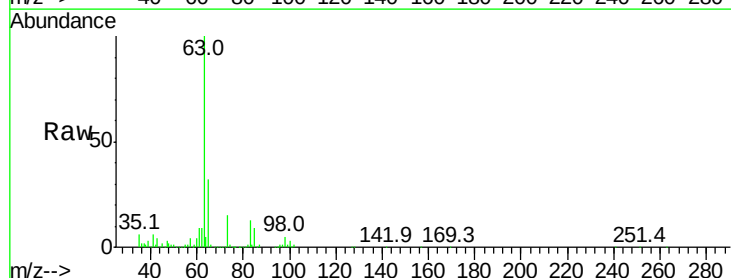
Tgt Ion: 63 Resp: 2842902

Ion Ratio Lower Upper

63 100

98 4.9 2.4 7.1

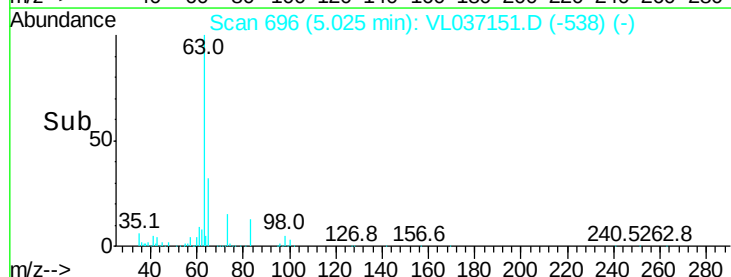
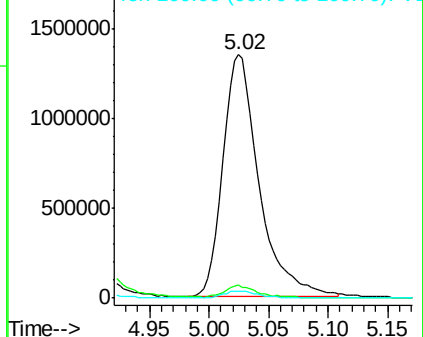
100 2.8 1.6 4.8

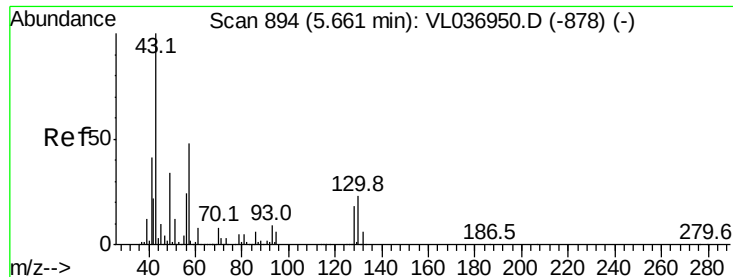


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 13.285 ppbv

RT: 5.69 min Scan# 904

Delta R.T. 0.01 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 43 Resp: 5305742

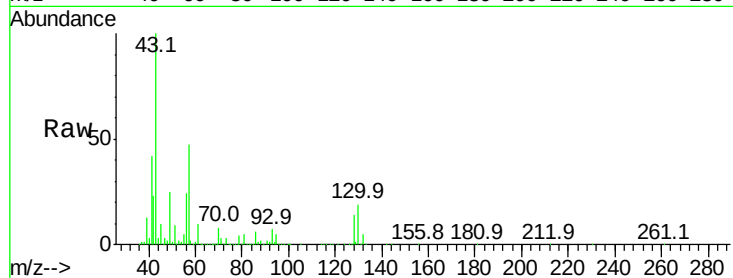
Ion Ratio Lower Upper

43 100

45 10.0 7.8 11.8

61 10.2 7.5 11.3

70 7.0 5.7 8.5



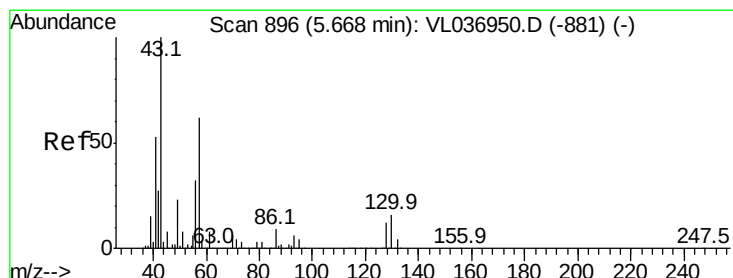
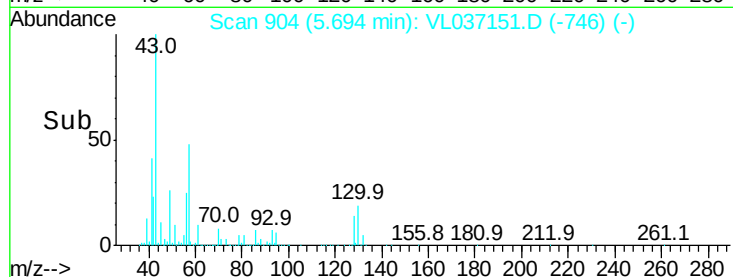
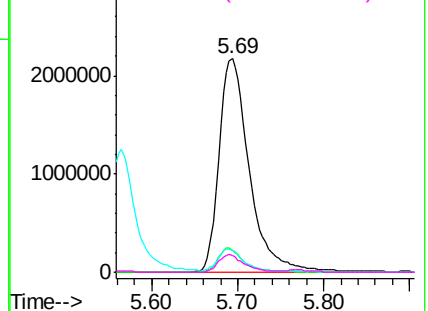
Abundance

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: 12.372 ppbv

RT: 5.70 min Scan# 906

Delta R.T. 0.01 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

Tgt Ion: 57 Resp: 2524267

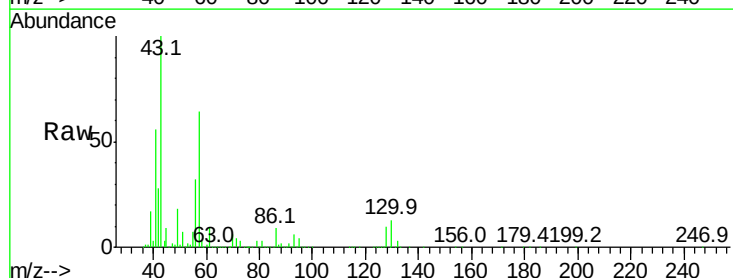
Ion Ratio Lower Upper

57 100

41 93.9 73.6 110.4

43 211.6 168.8 253.2

56 53.0 42.3 63.5



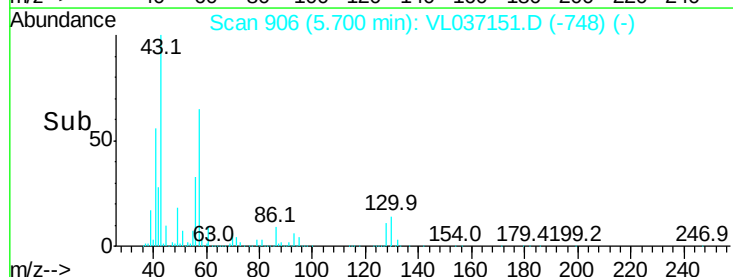
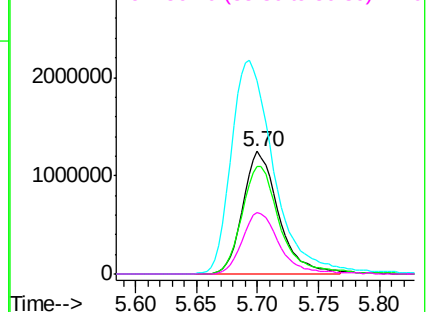
Abundance

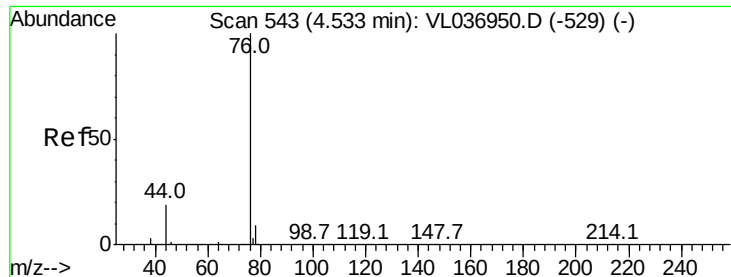
Ion 57.10 (56.80 to 57.80): VL0

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: 14.888 ppbv

RT: 4.56 min Scan# 552

Delta R.T. 0.01 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

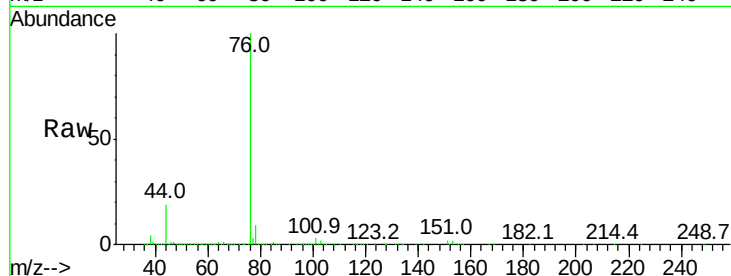
Tgt Ion: 76 Resp: 3061404

Ion Ratio Lower Upper

76 100

44 19.3 15.6 23.4

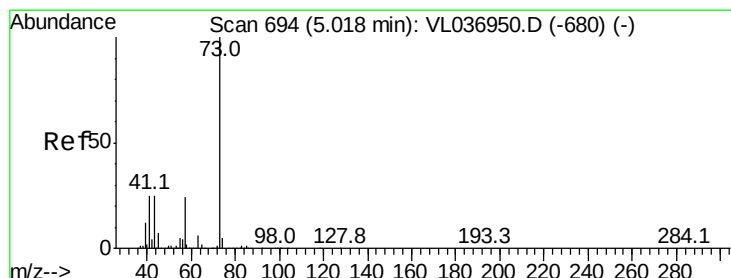
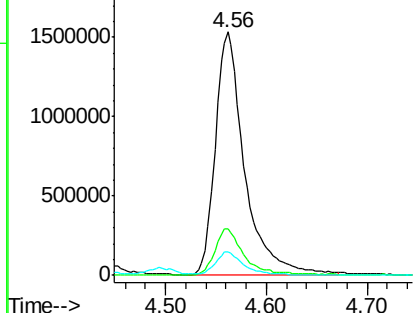
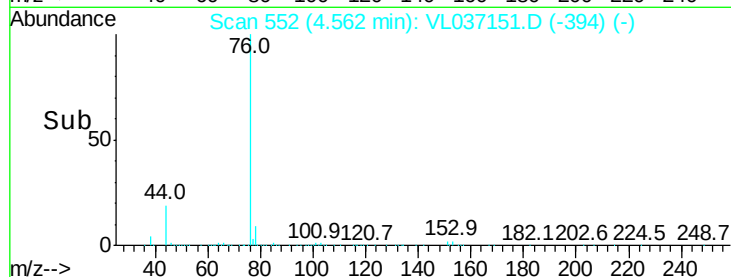
78 9.5 7.6 11.4



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: 13.280 ppbv

RT: 5.05 min Scan# 703

Delta R.T. 0.00 min

Lab File: VL037151.D

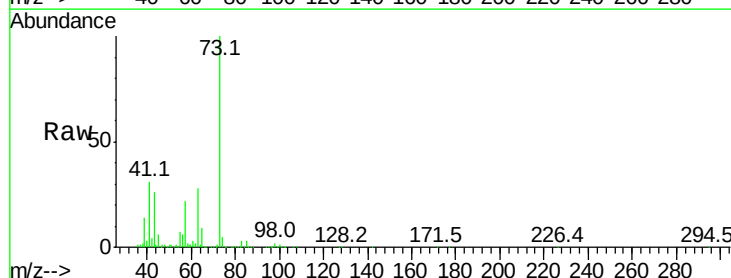
Acq: 14 Jun 2021 16:11

Tgt Ion: 73 Resp: 3247675

Ion Ratio Lower Upper

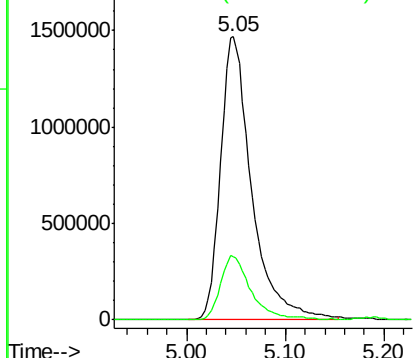
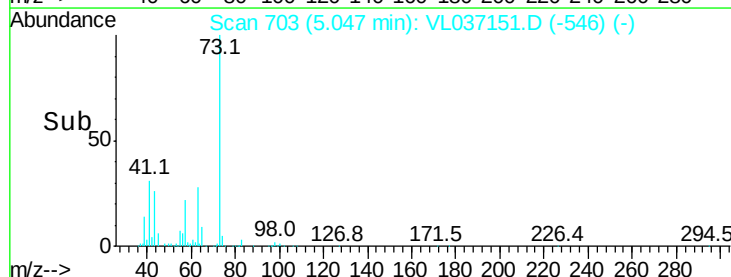
73 100

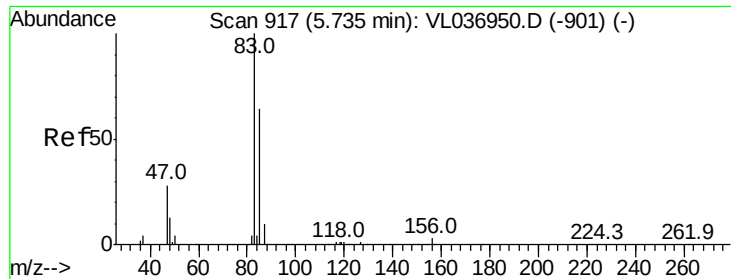
57 22.6 18.2 27.4



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

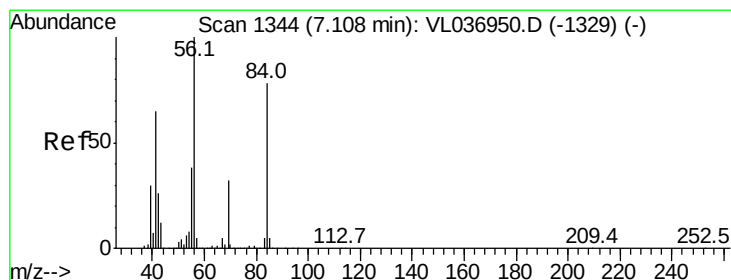
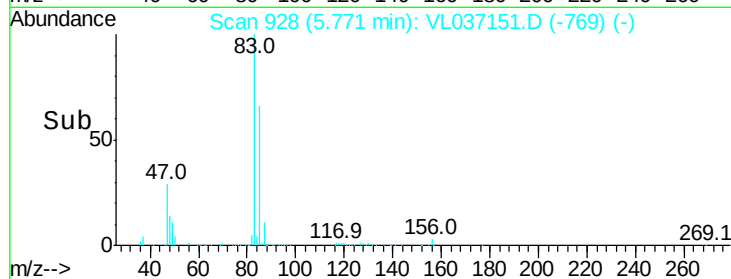
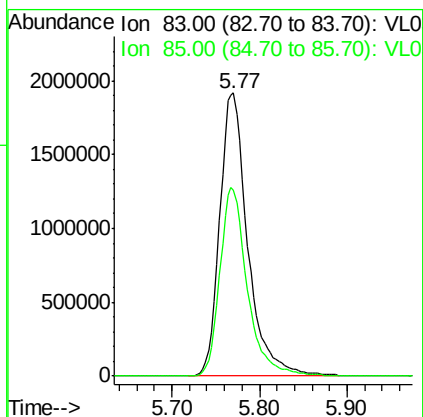
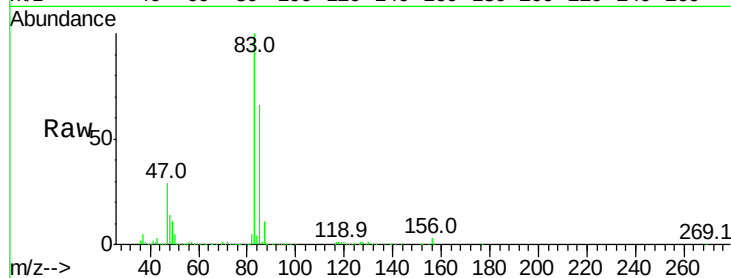




#29
Chloroform
Concen: 14.783 ppbv
RT: 5.77 min Scan# 928
Delta R.T. 0.01 min
Lab File: VL037151.D
Acq: 14 Jun 2021 16:11

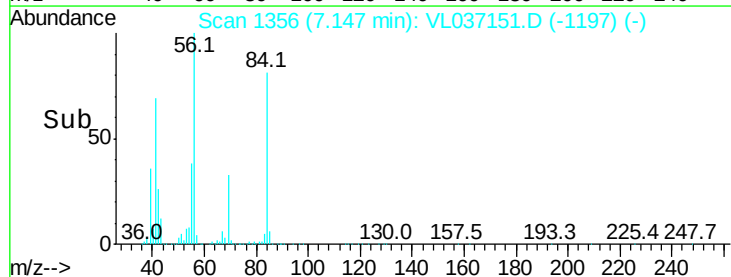
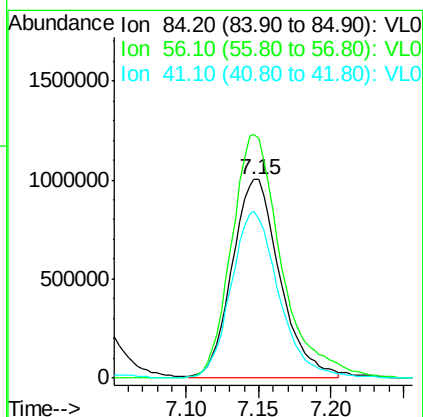
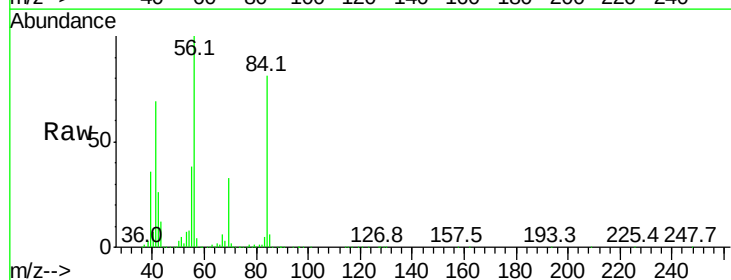
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

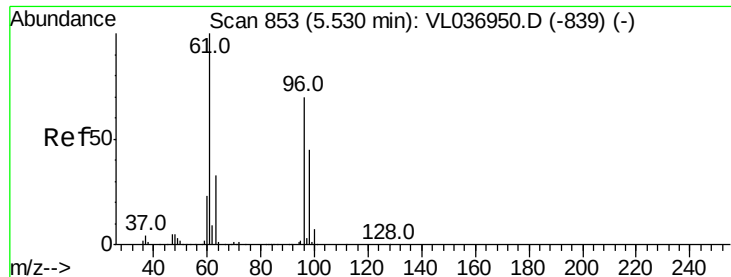
Tgt Ion: 83 Resp: 4260972
Ion Ratio Lower Upper
83 100
85 65.4 52.6 78.8



#30
Cyclohexane
Concen: 13.295 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. 0.01 min
Lab File: VL037151.D
Acq: 14 Jun 2021 16:11

Tgt Ion: 84 Resp: 2305021
Ion Ratio Lower Upper
84 100
56 128.6 103.9 155.9
41 84.1 66.5 99.7



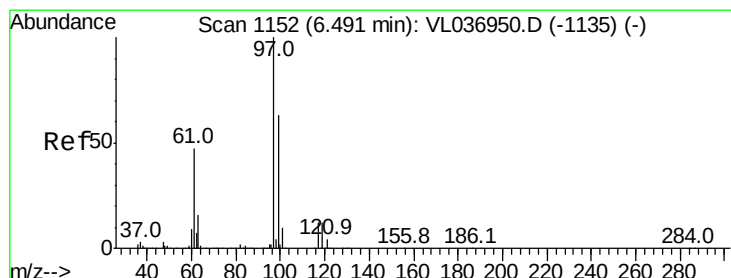
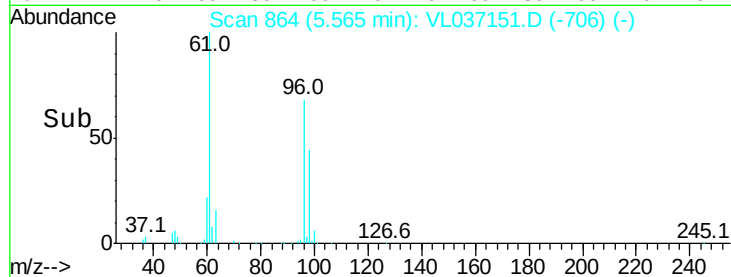
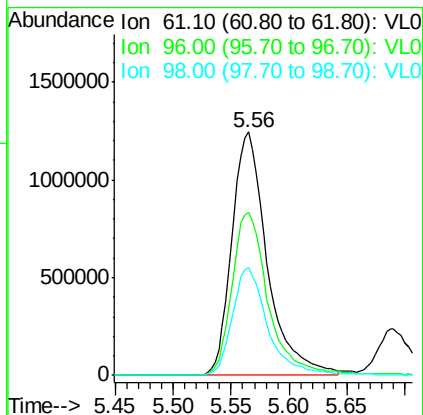
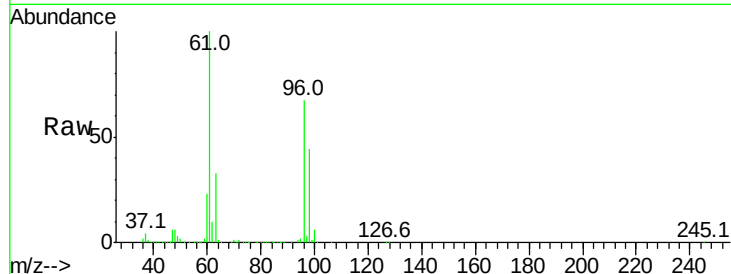


#31

cis-1,2-Dichloroethene
 Concen: 14.361 ppbv
 RT: 5.56 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VL037151.D
 Acq: 14 Jun 2021 16:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

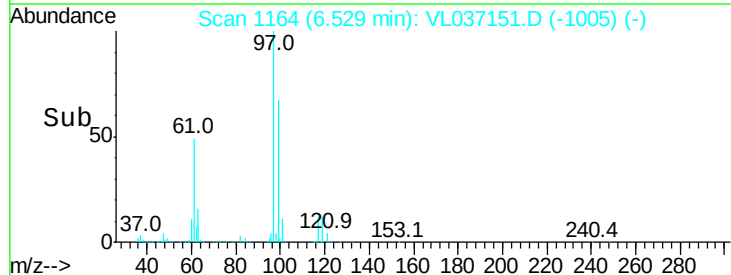
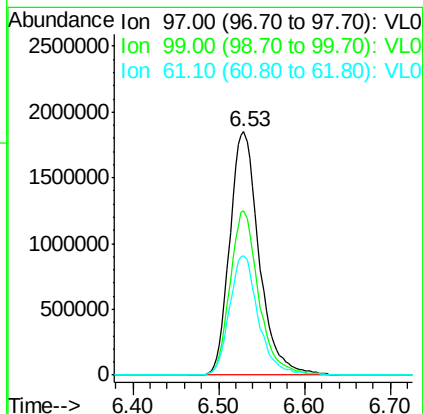
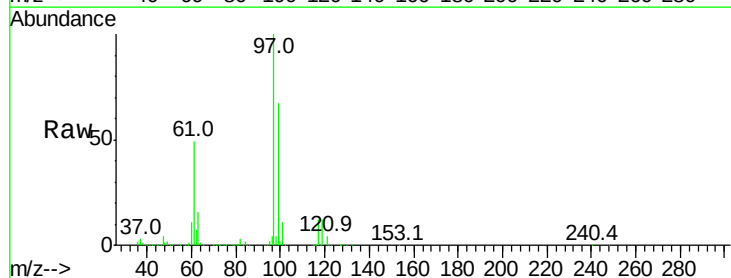
Tgt Ion: 61 Resp: 2626892
 Ion Ratio Lower Upper
 61 100
 96 67.0 55.3 82.9
 98 44.2 34.7 52.1

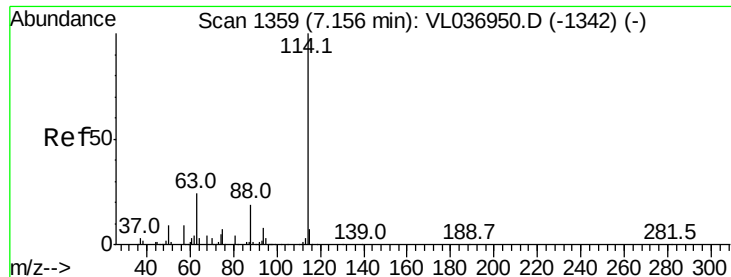


#32

1,1,1-Trichloroethane
 Concen: 14.205 ppbv
 RT: 6.53 min Scan# 1164
 Delta R.T. 0.01 min
 Lab File: VL037151.D
 Acq: 14 Jun 2021 16:11

Tgt Ion: 97 Resp: 4396638
 Ion Ratio Lower Upper
 97 100
 99 65.8 52.4 78.6
 61 48.0 38.5 57.7

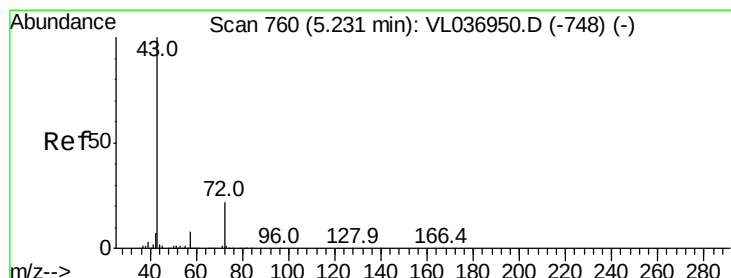
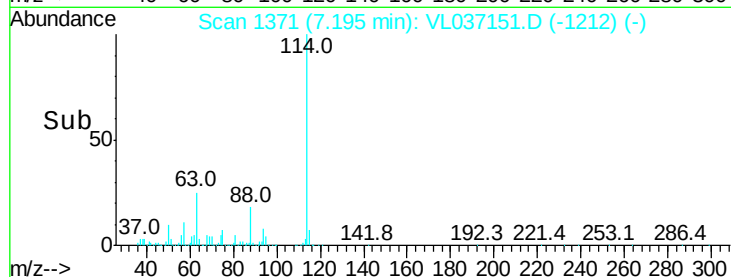
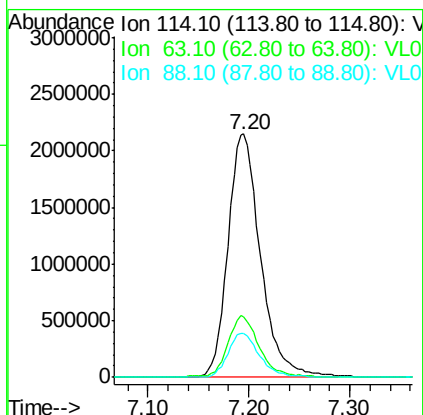
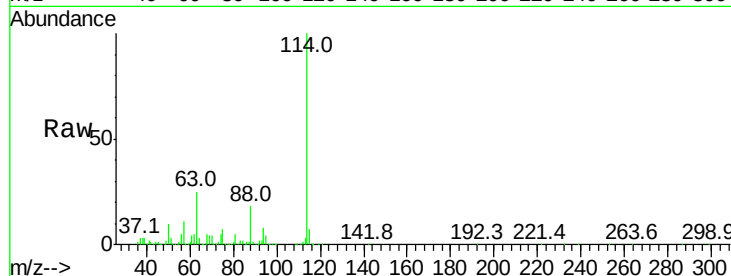




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1371
 Delta R.T. 0.01 min
 Lab File: VL037151.D
 Acq: 14 Jun 2021 16:11

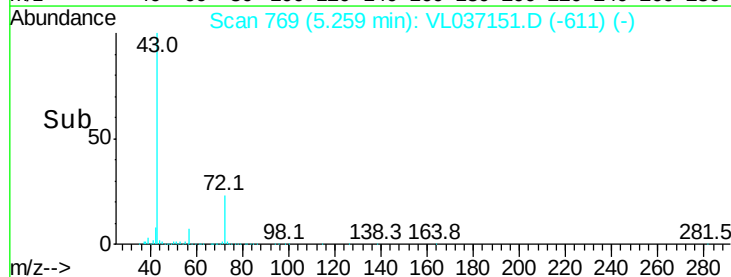
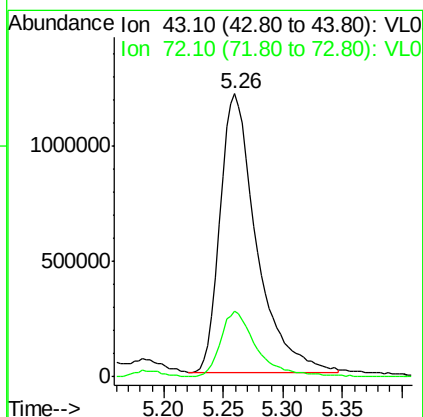
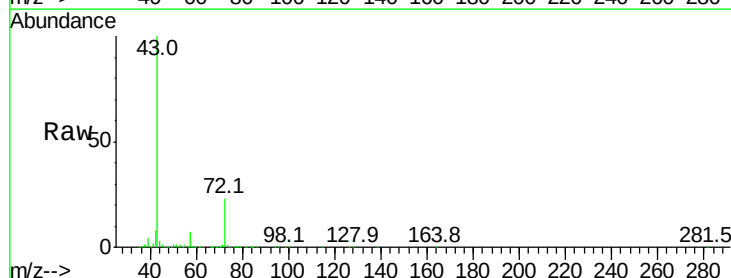
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

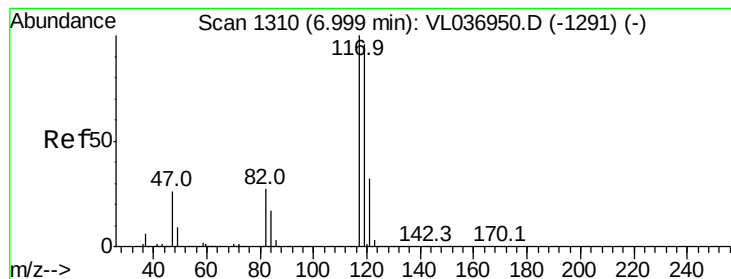
Tgt Ion:114 Resp: 4829389
 Ion Ratio Lower Upper
 114 100
 63 24.8 19.8 29.6
 88 17.8 14.3 21.5



#34
 2-Butanone
 Concen: 14.570 ppbv
 RT: 5.26 min Scan# 769
 Delta R.T. 0.01 min
 Lab File: VL037151.D
 Acq: 14 Jun 2021 16:11

Tgt Ion: 43 Resp: 2562096
 Ion Ratio Lower Upper
 43 100
 72 23.8 18.6 28.0





#35

Carbon Tetrachloride

Concen: 14.779 ppbv

RT: 7.03 min Scan# 1321

Delta R.T. 0.01 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

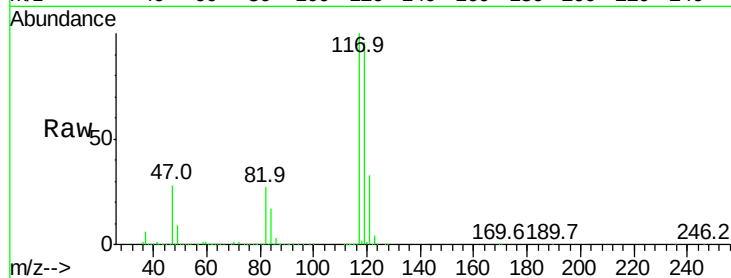
Tgt Ion:117 Resp: 4742273

Ion Ratio Lower Upper

117 100

119 96.1 77.0 115.4

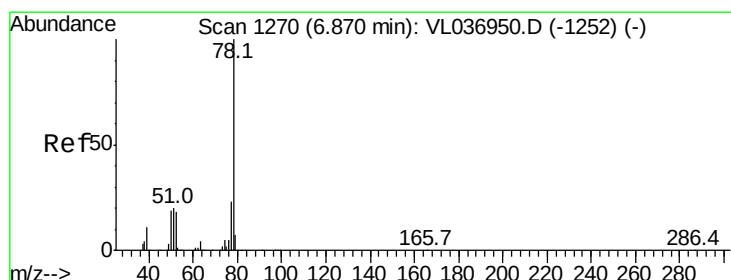
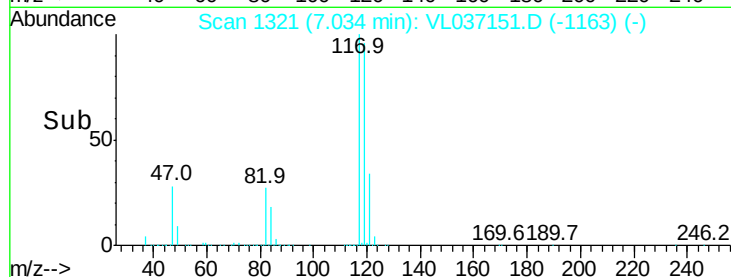
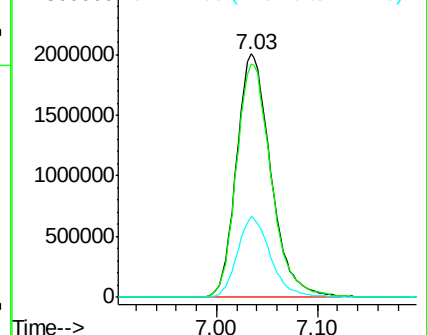
121 33.1 25.4 38.0



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: 12.813 ppbv

RT: 6.91 min Scan# 1282

Delta R.T. 0.01 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

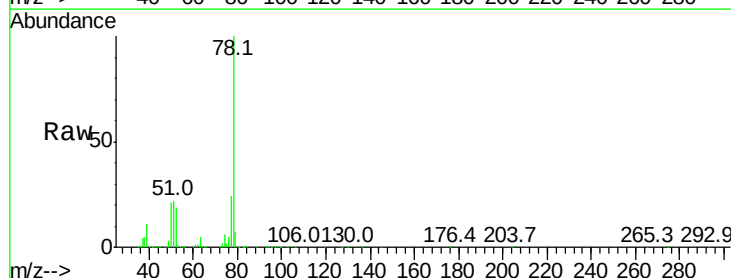
Tgt Ion: 78 Resp: 5330020

Ion Ratio Lower Upper

78 100

77 24.4 19.5 29.3

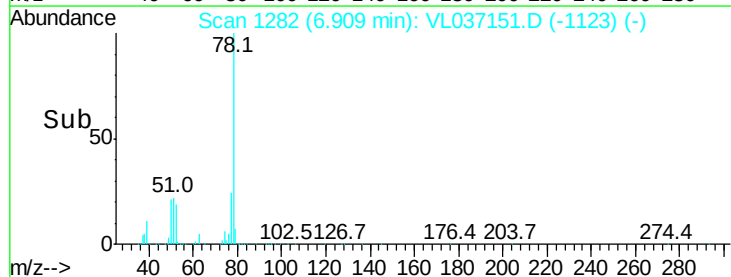
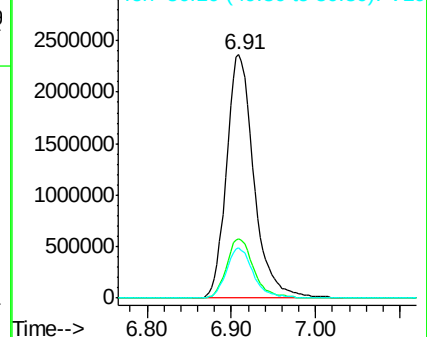
50 20.6 15.5 23.3

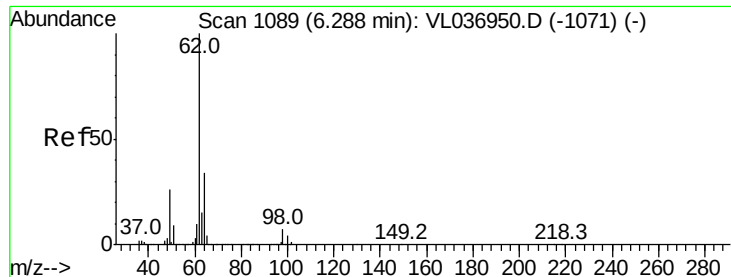


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

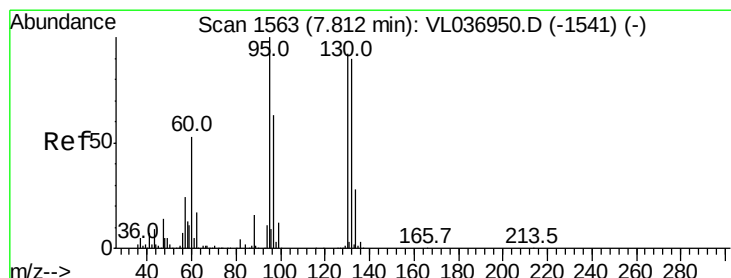
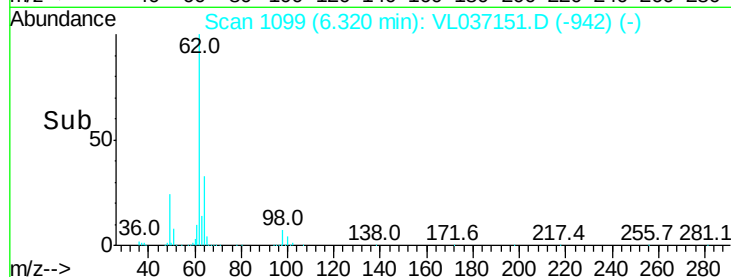
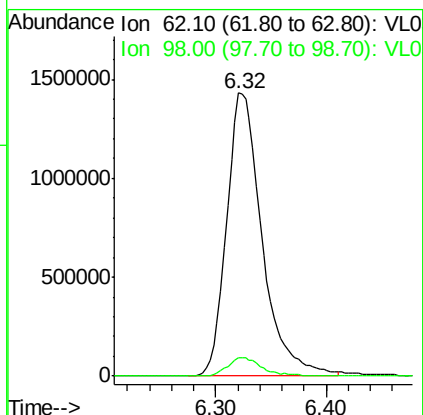
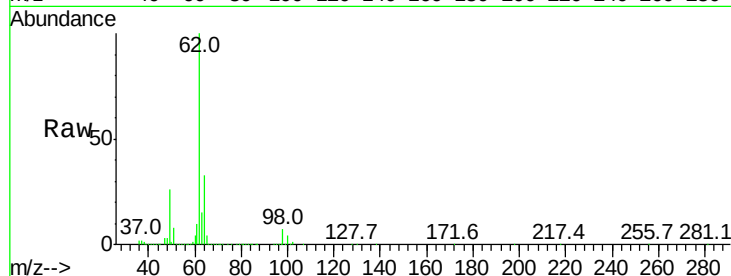




#37
 1,2-Dichloroethane
 Concen: 15.476 ppbv
 RT: 6.32 min Scan# 1099
 Delta R.T. 0.00 min
 Lab File: VL037151.D
 Acq: 14 Jun 2021 16:11

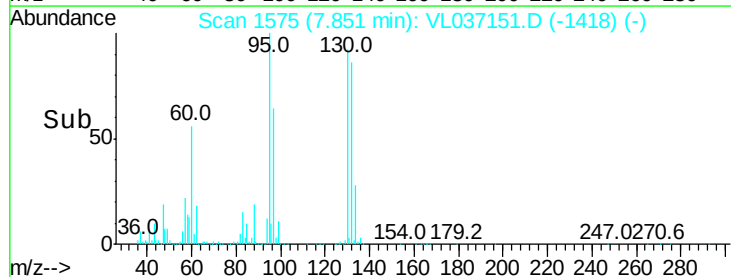
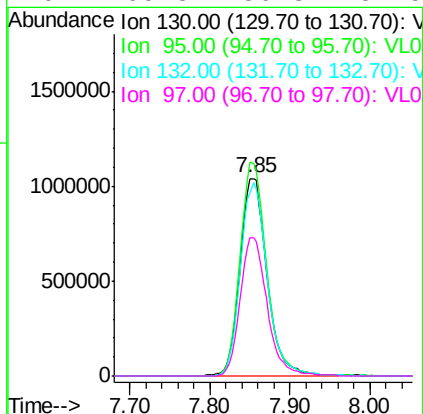
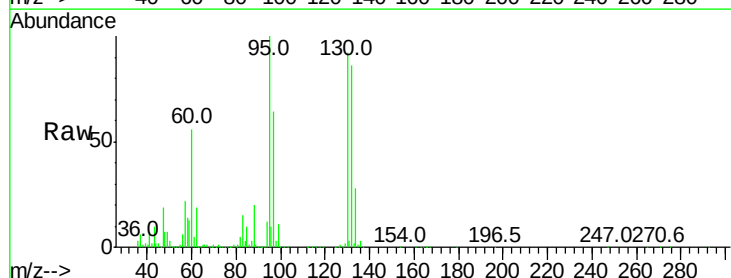
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

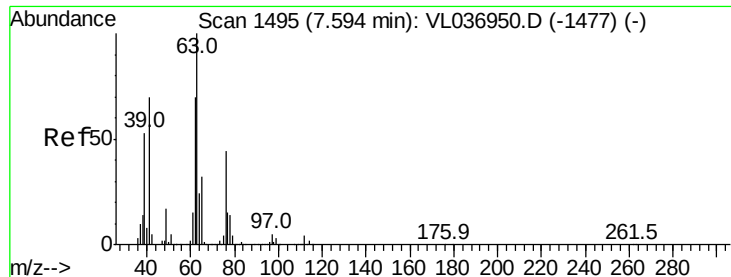
Tgt Ion: 62 Resp: 3191727
 Ion Ratio Lower Upper
 62 100
 98 6.5 5.1 7.7



#38
 Trichloroethene
 Concen: 13.264 ppbv
 RT: 7.85 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VL037151.D
 Acq: 14 Jun 2021 16:11

Tgt Ion: 130 Resp: 2360307
 Ion Ratio Lower Upper
 130 100
 95 108.3 83.5 125.3
 132 92.6 76.8 115.2
 97 69.8 56.3 84.5





#39

1,2-Dichloropropane

Concen: 13.015 ppbv

RT: 7.63 min Scan# 1507

Delta R.T. 0.01 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

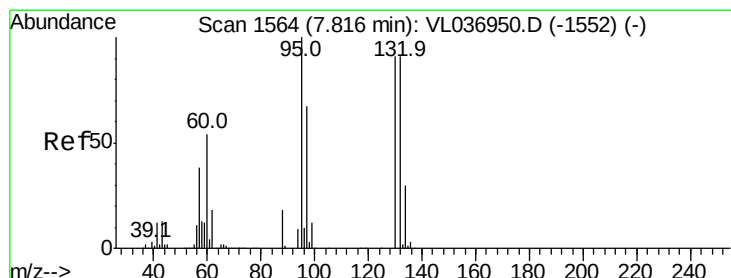
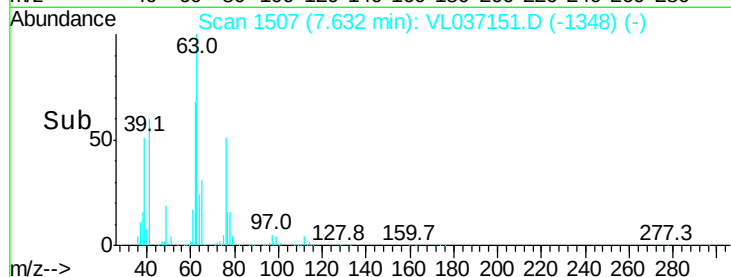
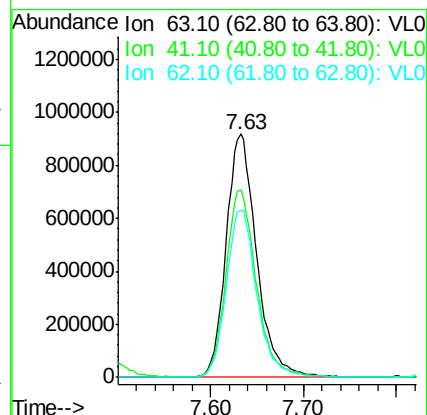
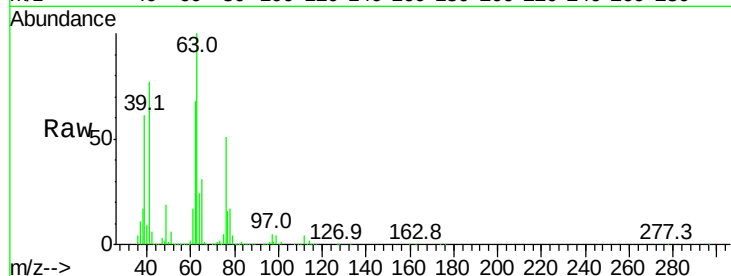
Tgt Ion: 63 Resp: 2085585

Ion Ratio Lower Upper

63 100

41 76.8 60.0 90.0

62 68.5 55.4 83.0



#40

1,4-Dioxane

Concen: 14.798 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

Tgt Ion: 88 Resp: 559895

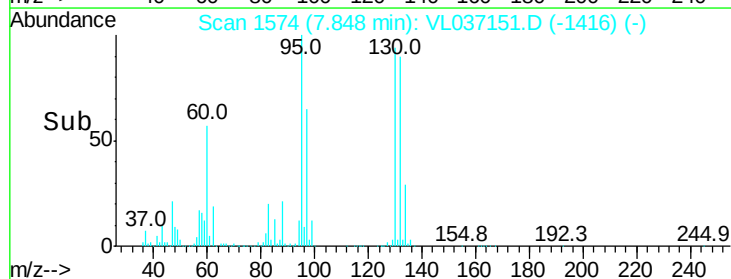
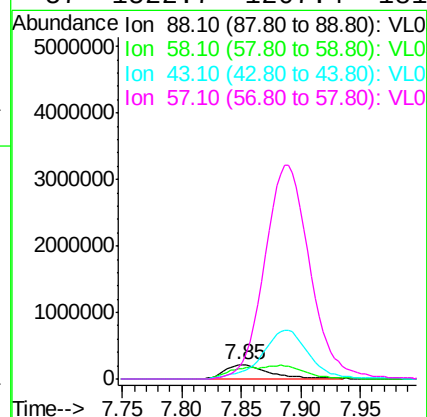
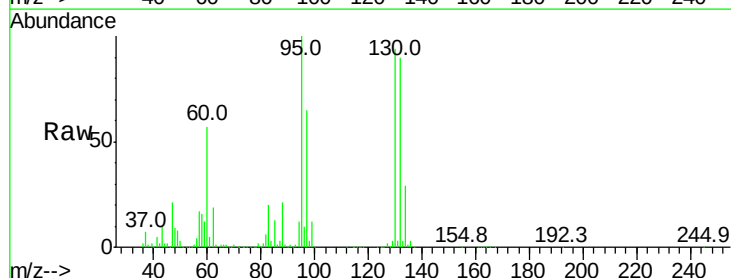
Ion Ratio Lower Upper

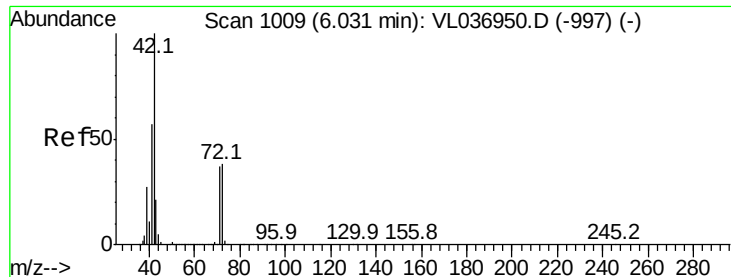
88 100

58 146.8 115.6 173.4

43 359.5 278.3 417.5

57 1522.7 1207.4 1811.0





#41

Tetrahydrofuran

Concen: 12.878 ppbv

RT: 6.07 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

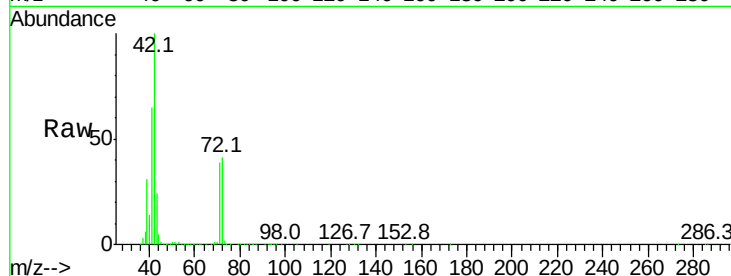
Tgt Ion: 42 Resp: 1289744

Ion Ratio Lower Upper

42 100

72 39.3 31.7 47.5

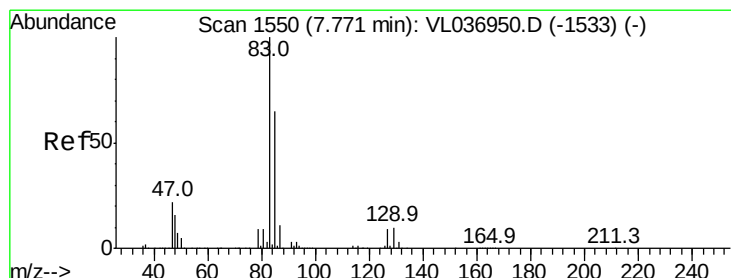
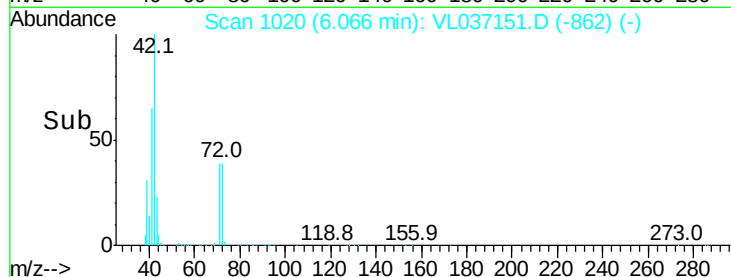
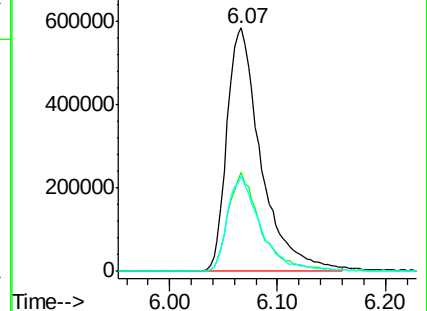
71 38.1 31.0 46.6



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: 14.966 ppbv

RT: 7.81 min Scan# 1562

Delta R.T. 0.01 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

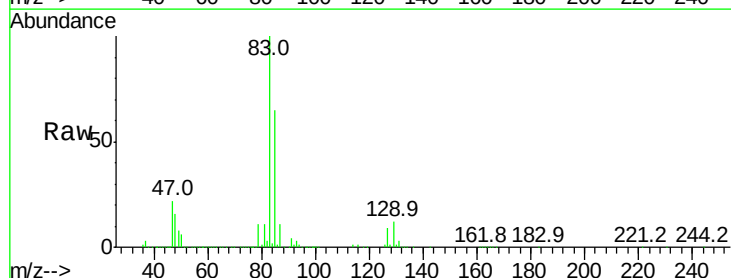
Tgt Ion: 83 Resp: 4669611

Ion Ratio Lower Upper

83 100

85 64.6 51.7 77.5

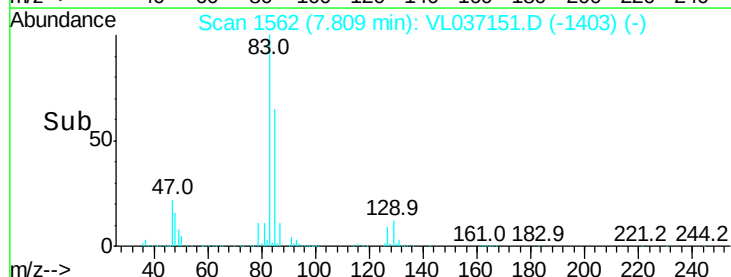
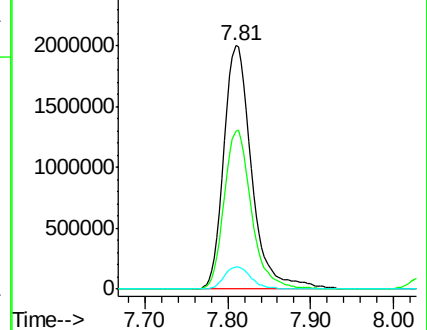
127 9.3 7.4 11.0

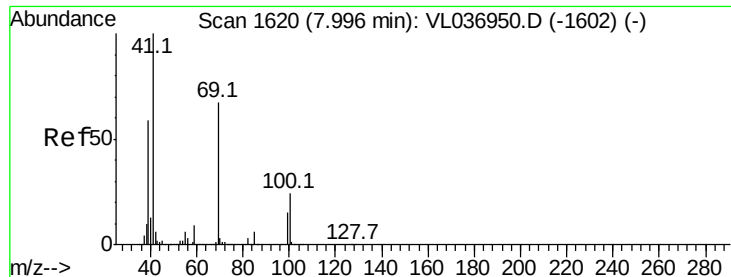


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

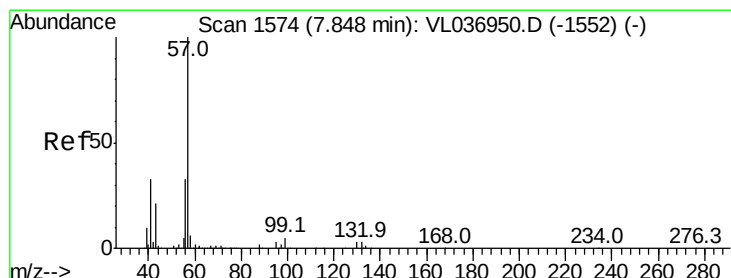
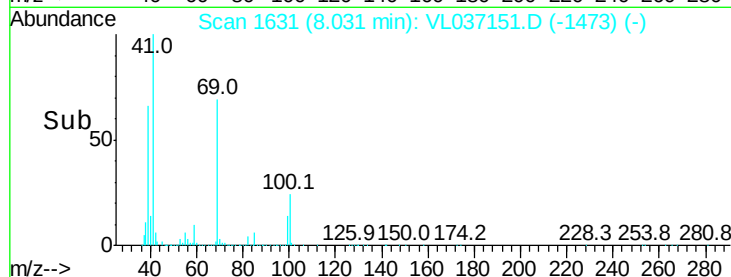
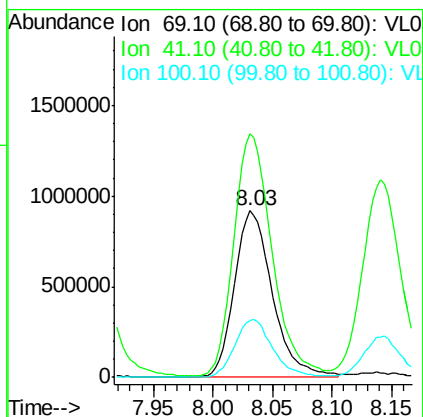
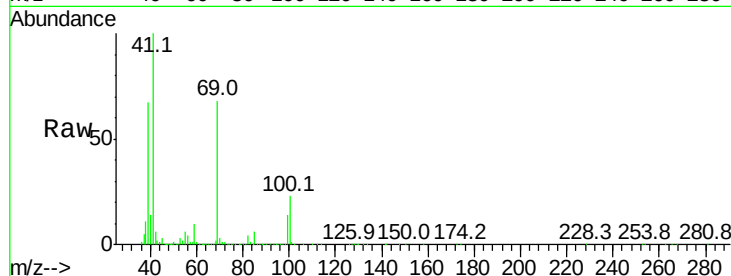




#43
Methyl Methacrylate
Concen: 14.190 ppbv
RT: 8.03 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VL037151.D
Acq: 14 Jun 2021 16:11

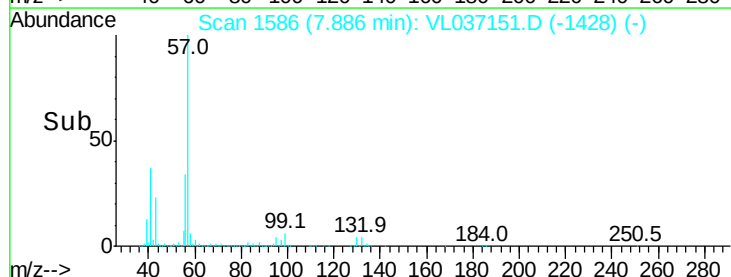
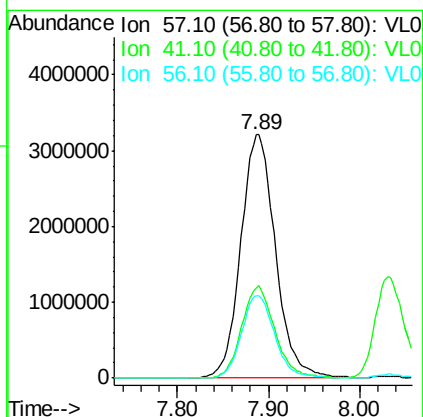
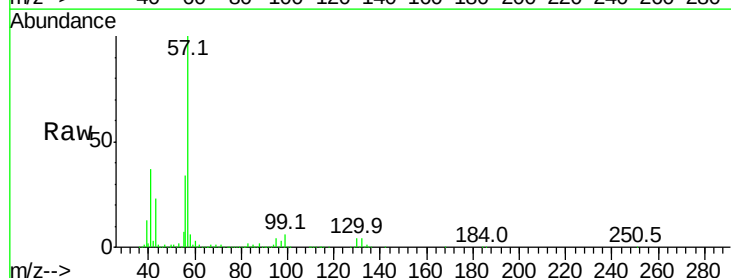
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

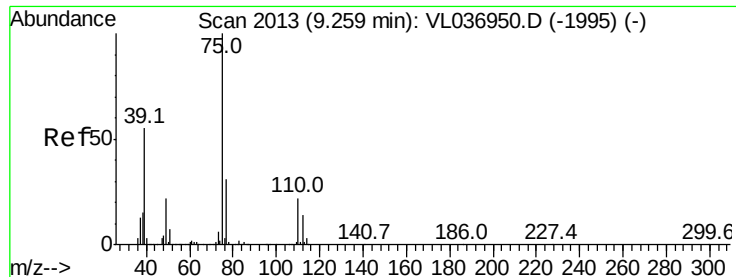
Tgt Ion: 69 Resp: 2034514
Ion Ratio Lower Upper
69 100
41 148.0 117.7 176.5
100 34.9 27.9 41.9



#44
2,2,4-Trimethylpentane
Concen: 11.905 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. 0.01 min
Lab File: VL037151.D
Acq: 14 Jun 2021 16:11

Tgt Ion: 57 Resp: 8496076
Ion Ratio Lower Upper
57 100
41 36.2 28.1 42.1
56 32.6 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 19.323 ppbv

RT: 9.30 min Scan# 2025

Delta R.T. 0.01 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

Instrument :

MSVOA_L

ClientSampleId :

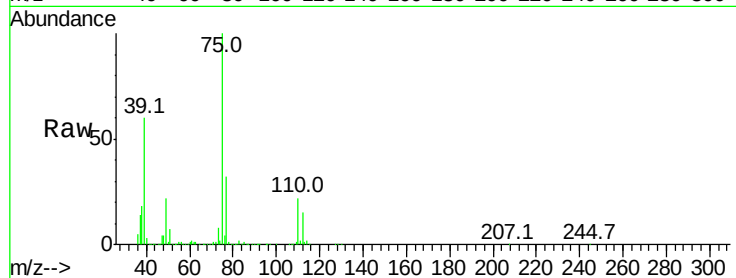
VSTDIC015

Tgt Ion: 75 Resp: 2116544

Ion Ratio Lower Upper

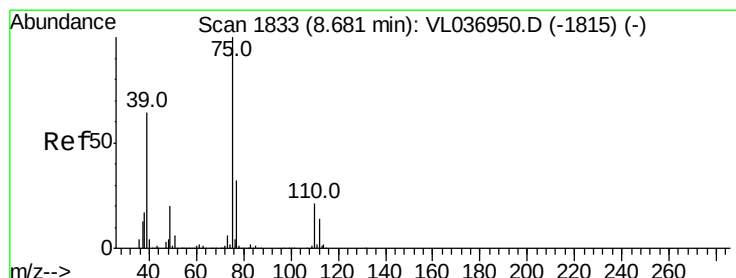
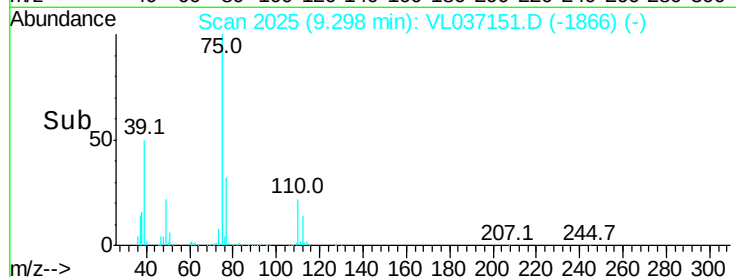
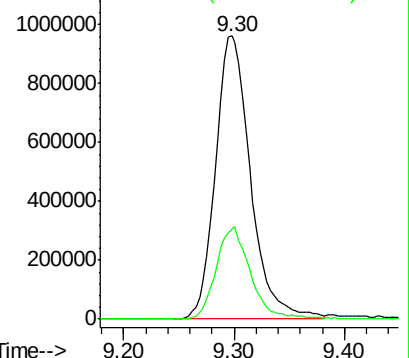
75 100

77 31.7 26.2 39.2



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 17.591 ppbv

RT: 8.72 min Scan# 1846

Delta R.T. 0.01 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

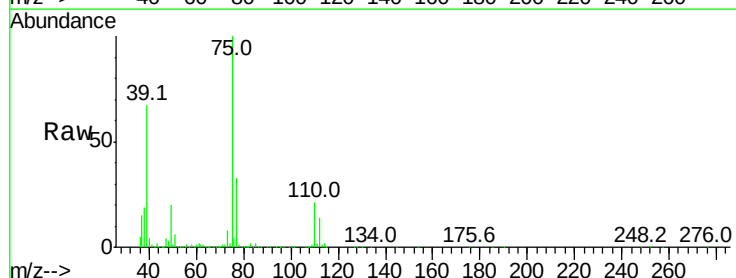
Tgt Ion: 75 Resp: 2591747

Ion Ratio Lower Upper

75 100

39 66.9 52.2 78.4

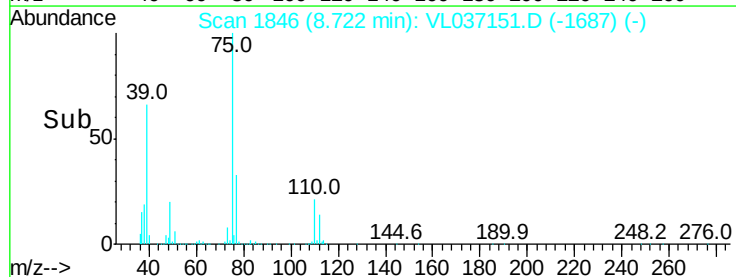
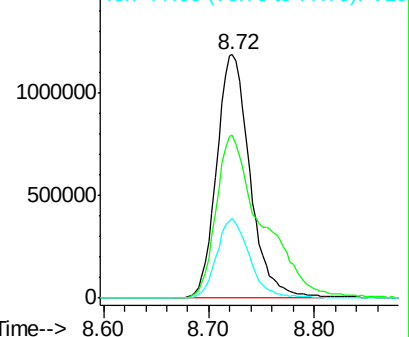
77 32.6 24.5 36.7

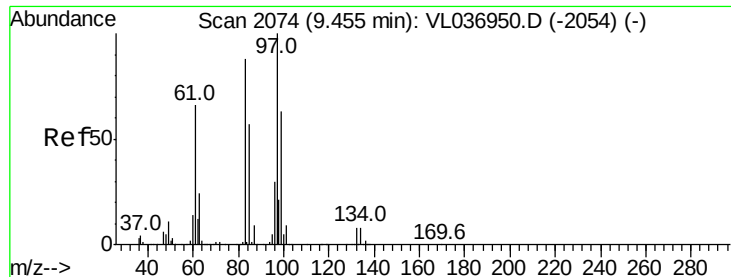


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





#47

1,1,2-Trichloroethane

Concen: 13.937 ppbv

RT: 9.50 min Scan# 2087

Delta R.T. 0.01 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 97 Resp: 2337416

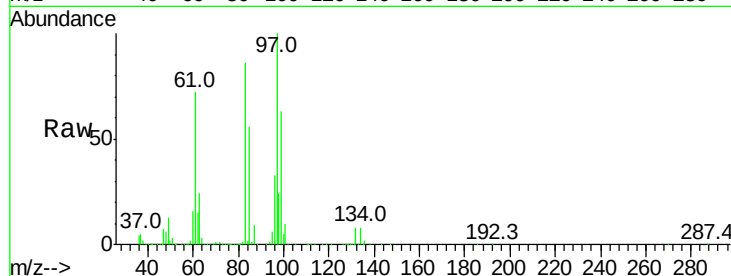
Ion Ratio Lower Upper

97 100

83 86.1 69.0 103.4

85 55.6 45.7 68.5

99 62.9 50.6 76.0

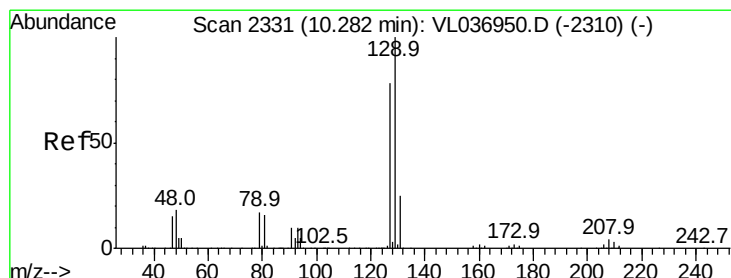
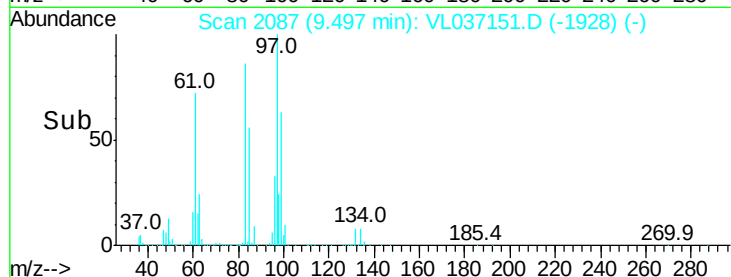
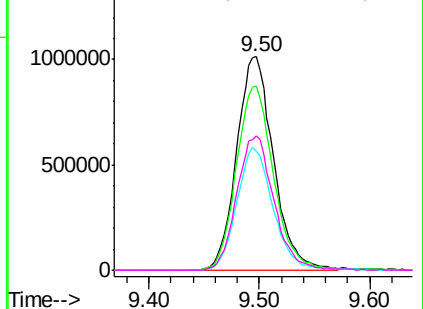


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 15.729 ppbv

RT: 10.32 min Scan# 2344

Delta R.T. 0.01 min

Lab File: VL037151.D

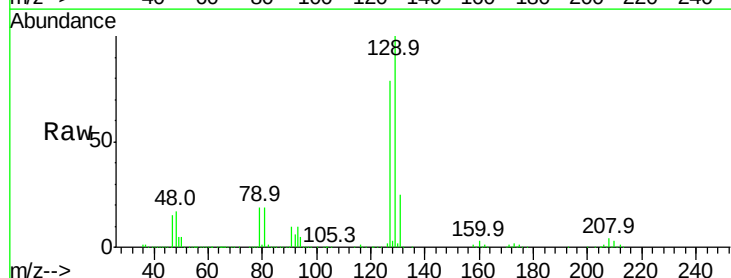
Acq: 14 Jun 2021 16:11

Tgt Ion: 129 Resp: 4271531

Ion Ratio Lower Upper

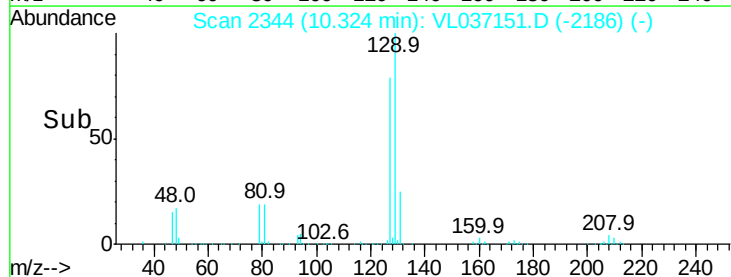
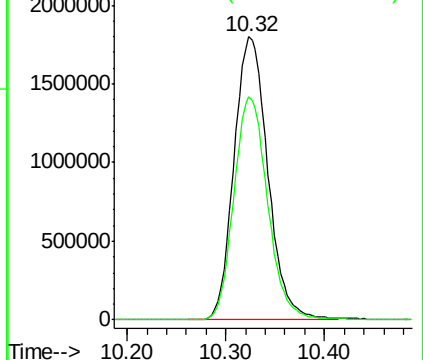
129 100

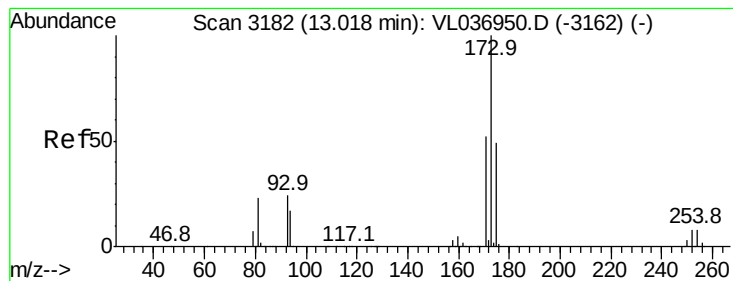
127 79.3 39.4 118.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 15.971 ppbv

RT: 13.06 min Scan# 3196

Delta R.T. 0.01 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

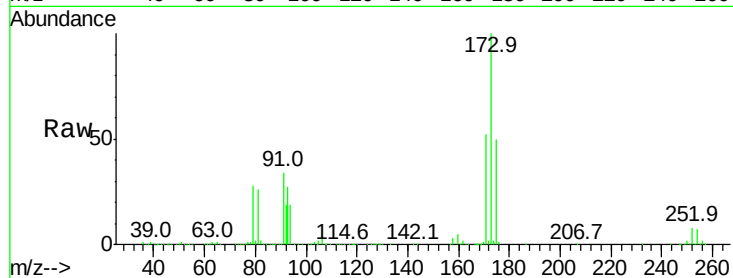
Tgt Ion:173 Resp: 3581848

Ion Ratio Lower Upper

173 100

175 50.0 39.8 59.6

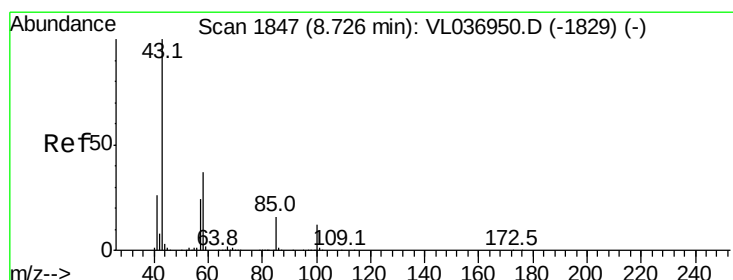
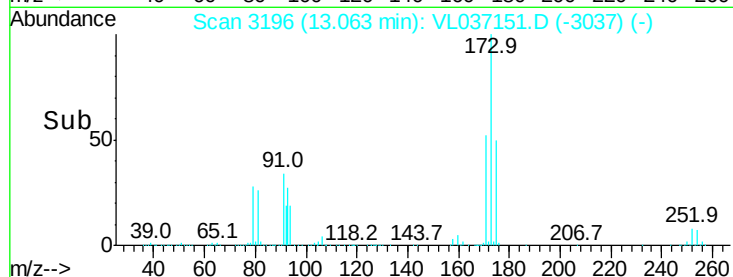
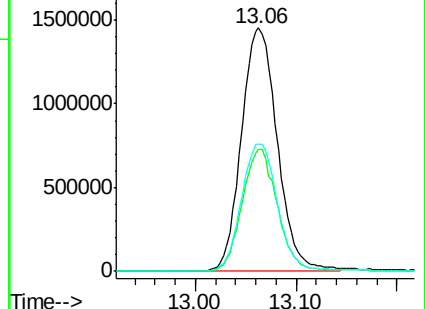
171 53.3 42.5 63.7



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: 13.552 ppbv

RT: 8.76 min Scan# 1857

Delta R.T. 0.00 min

Lab File: VL037151.D

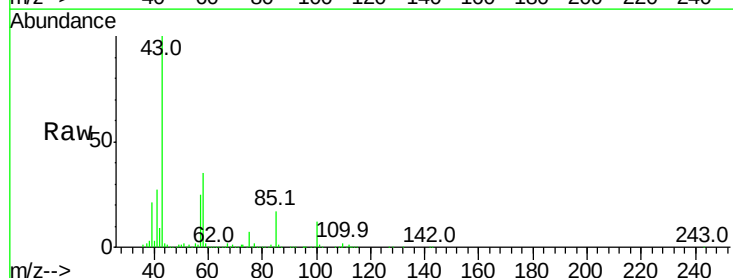
Acq: 14 Jun 2021 16:11

Tgt Ion: 43 Resp: 3932491

Ion Ratio Lower Upper

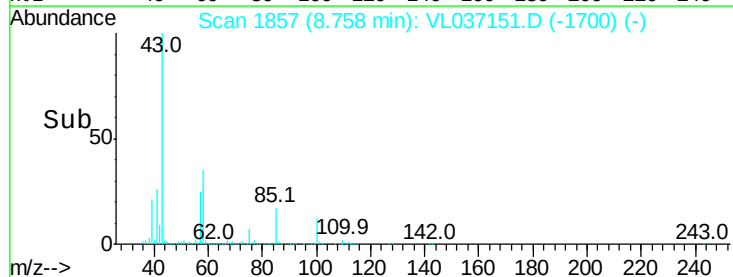
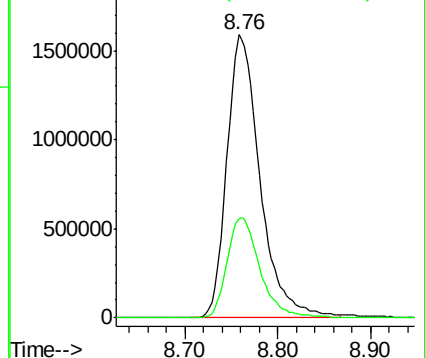
43 100

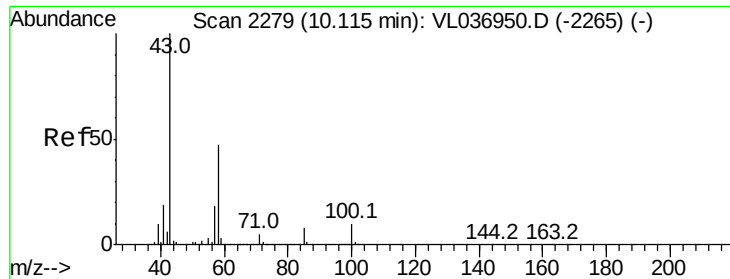
58 35.8 29.0 43.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 14.091 ppbv

RT: 10.15 min Scan# 2291

Delta R.T. 0.01 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

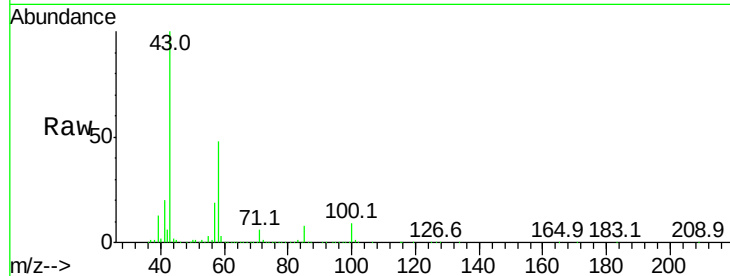
Tgt Ion: 43 Resp: 2161574

Ion Ratio Lower Upper

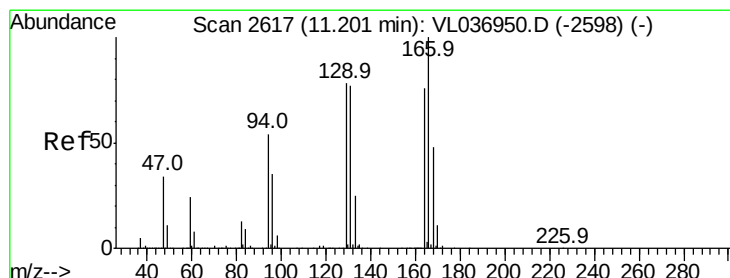
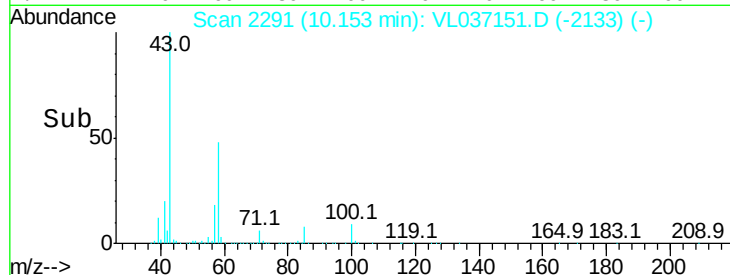
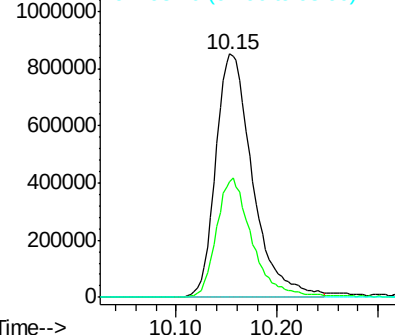
43 100

58 47.8 40.1 60.1

98 0.4 0.2 0.4#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 13.748 ppbv

RT: 11.24 min Scan# 2630

Delta R.T. 0.01 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

Tgt Ion: 164 Resp: 2274095

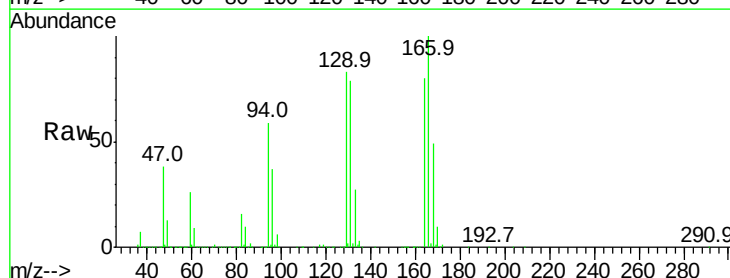
Ion Ratio Lower Upper

164 100

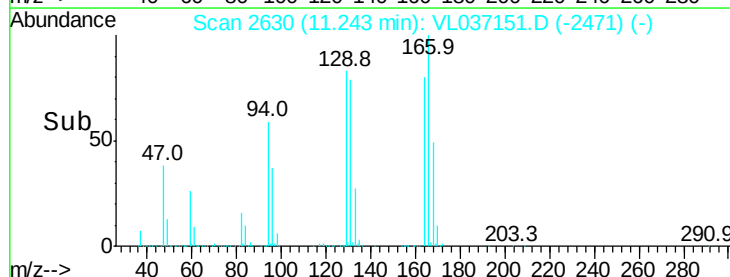
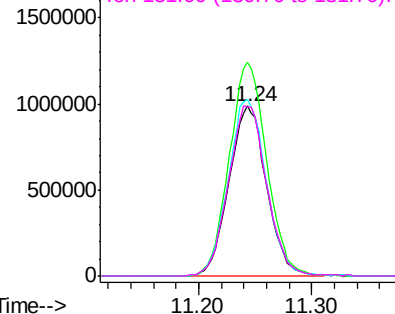
166 125.6 102.6 154.0

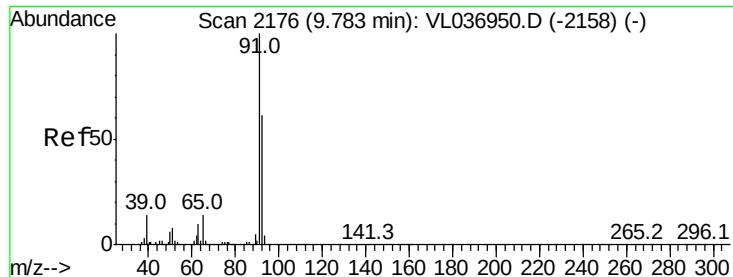
129 103.9 87.4 131.2

131 99.5 81.4 122.2



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 13.000 ppbv

RT: 9.83 min Scan# 2189

Delta R.T. 0.01 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

Instrument :

MSVOA_L

ClientSampleId :

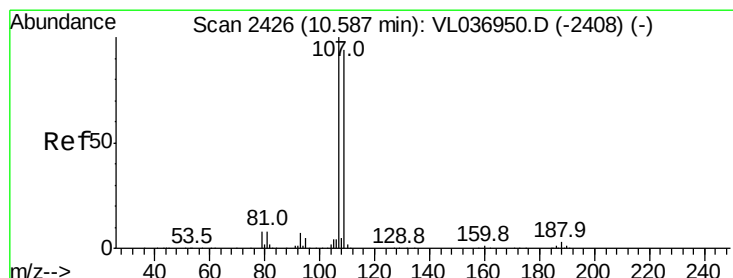
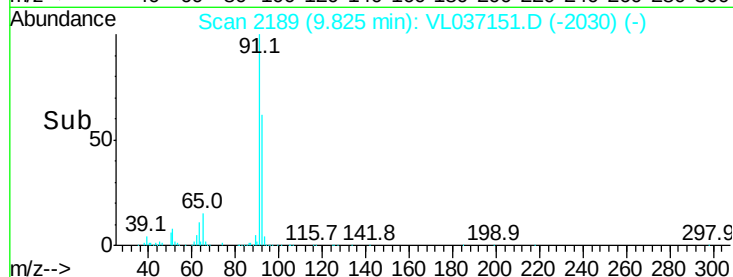
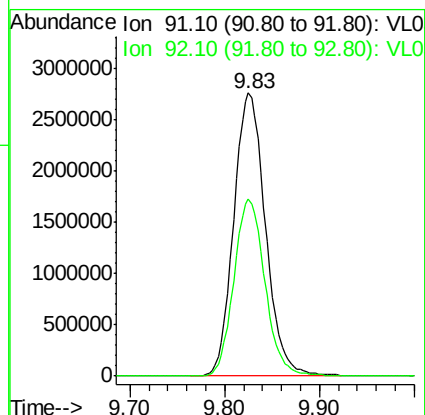
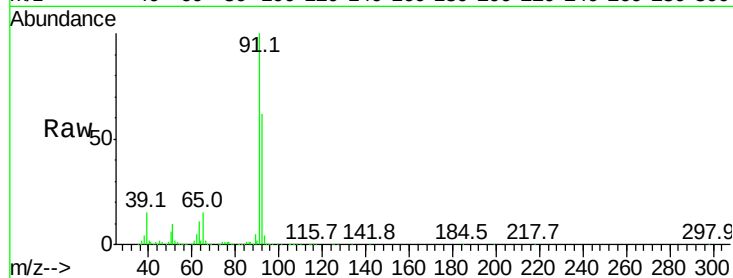
VSTDIC015

Tgt Ion: 91 Resp: 6434738

Ion Ratio Lower Upper

91 100

92 61.4 48.6 73.0



#54

1,2-Dibromoethane

Concen: 14.857 ppbv

RT: 10.63 min Scan# 2440

Delta R.T. 0.01 min

Lab File: VL037151.D

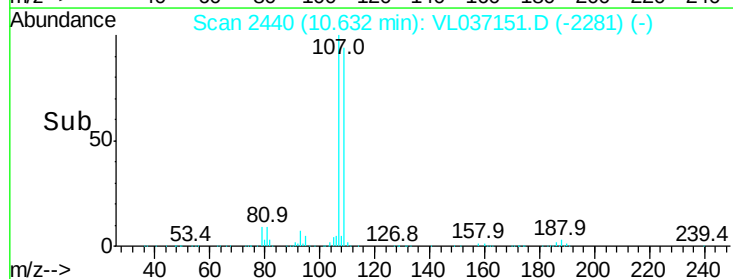
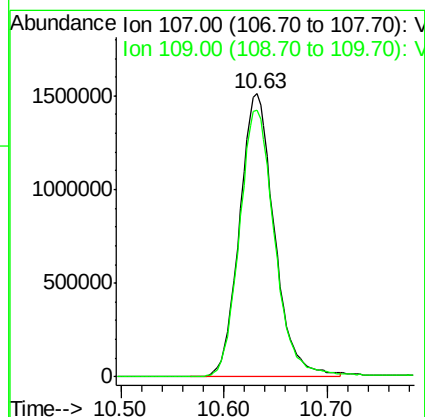
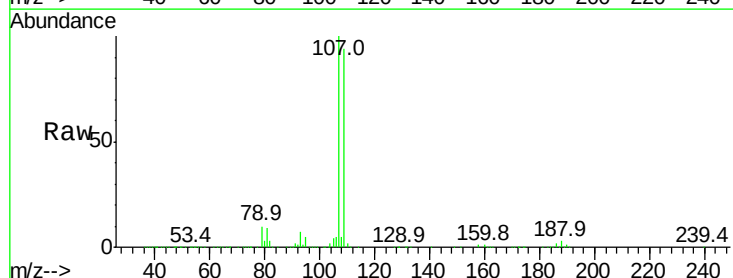
Acq: 14 Jun 2021 16:11

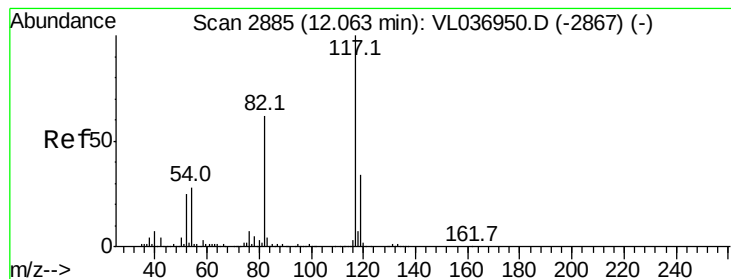
Tgt Ion: 107 Resp: 3542605

Ion Ratio Lower Upper

107 100

109 94.3 75.6 113.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2898

Delta R.T. 0.01 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

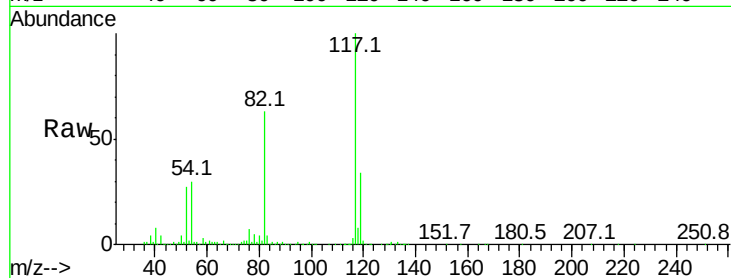
Tgt Ion:117 Resp: 6187202

Ion Ratio Lower Upper

117 100

82 47.0 50.6 76.0#

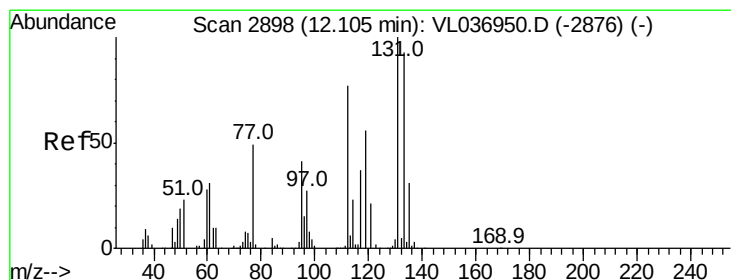
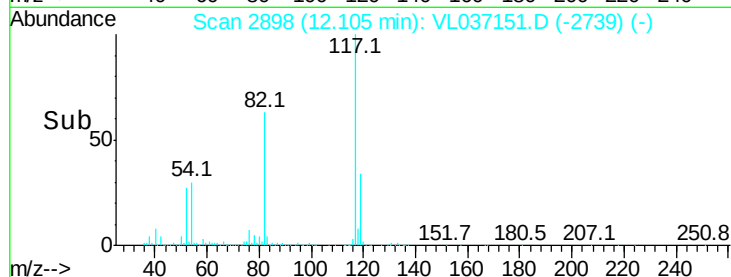
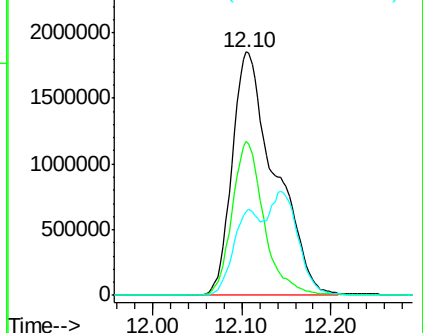
119 52.8 27.1 40.7#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 10.997 ppbv

RT: 12.15 min Scan# 2911

Delta R.T. 0.01 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

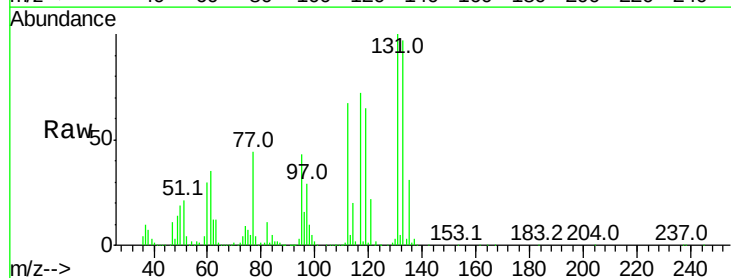
Tgt Ion:131 Resp: 2862991

Ion Ratio Lower Upper

131 100

133 95.4 76.7 115.1

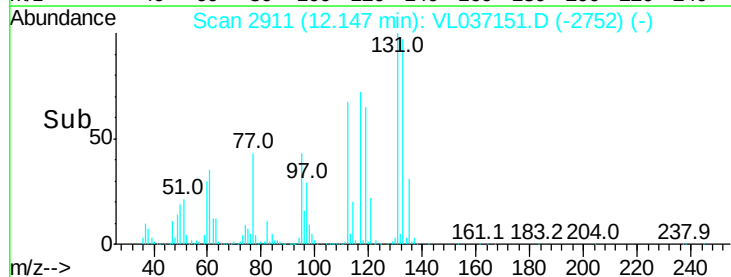
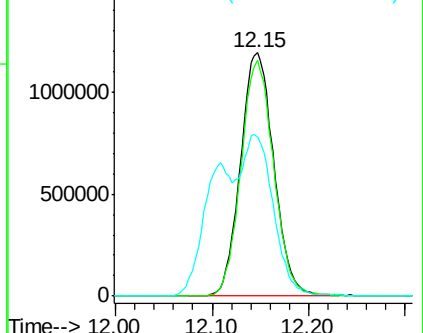
119 60.4 50.7 76.1

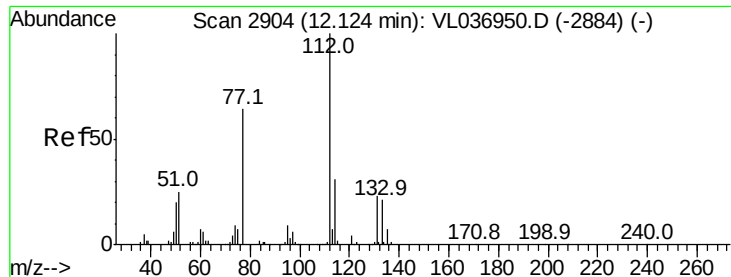


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

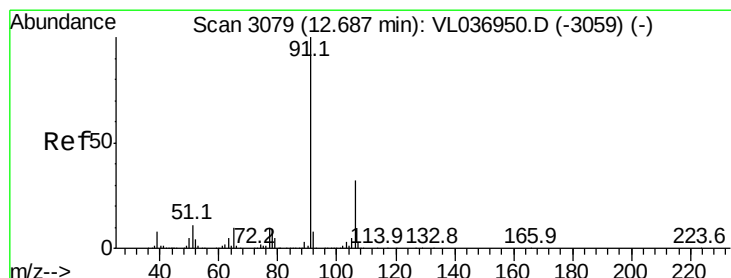
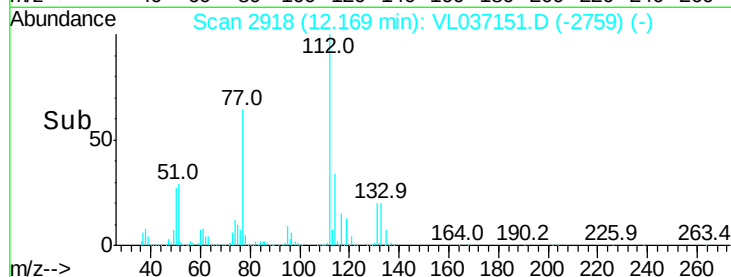
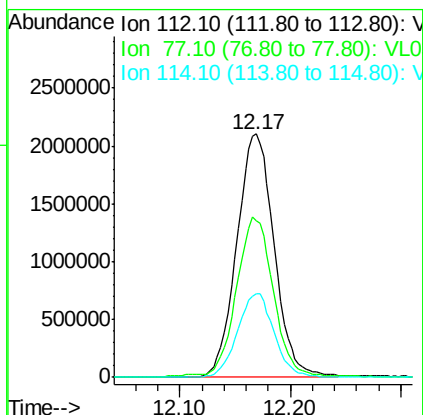
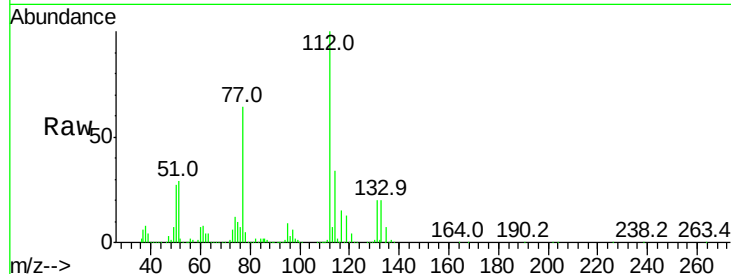




#57
Chlorobenzene
Concen: 10.296 ppbv
RT: 12.17 min Scan# 2918
Delta R.T. 0.01 min
Lab File: VL037151.D
Acq: 14 Jun 2021 16:11

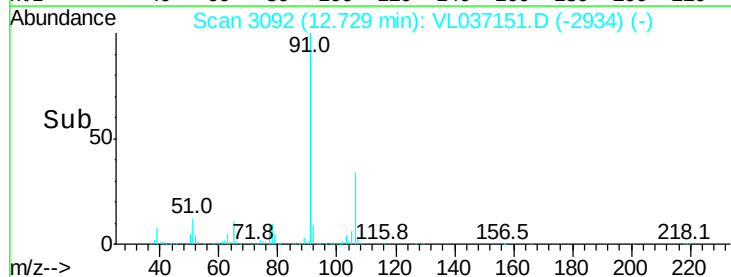
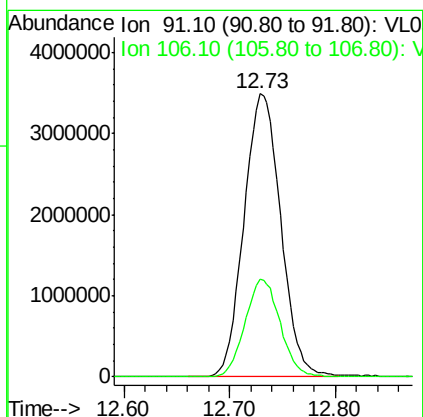
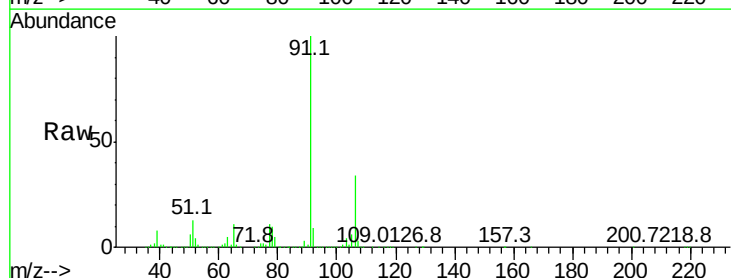
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

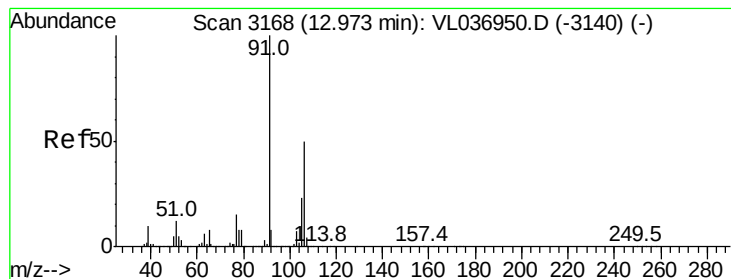
Tgt Ion: 112 Resp: 4939338
Ion Ratio Lower Upper
112 100
77 63.8 51.4 77.2
114 34.0 29.7 36.3



#58
Ethyl Benzene
Concen: 9.697 ppbv
RT: 12.73 min Scan# 3092
Delta R.T. 0.01 min
Lab File: VL037151.D
Acq: 14 Jun 2021 16:11

Tgt Ion: 91 Resp: 8468115
Ion Ratio Lower Upper
91 100
106 34.4 26.8 40.2





#59

m/p-Xylene

Concen: 9.831 ppbv

RT: 13.02 min Scan# 3182

Delta R.T. 0.01 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

Instrument :

MSVOA_L

ClientSampleId :

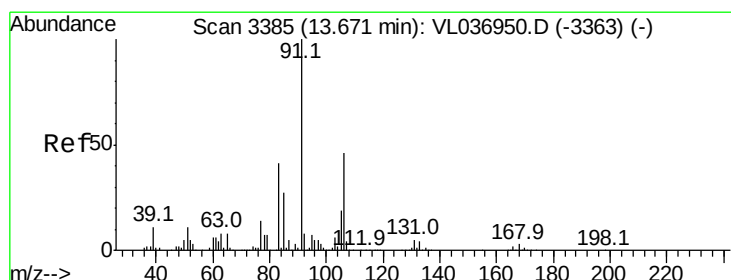
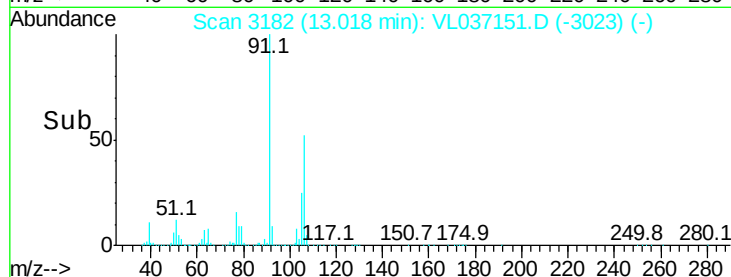
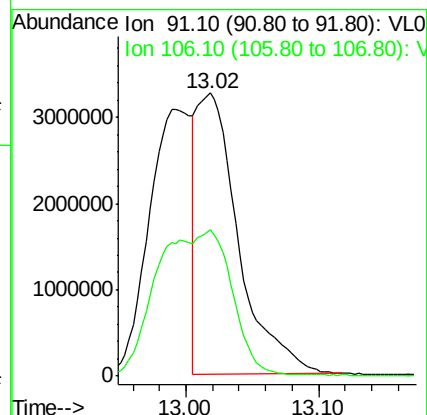
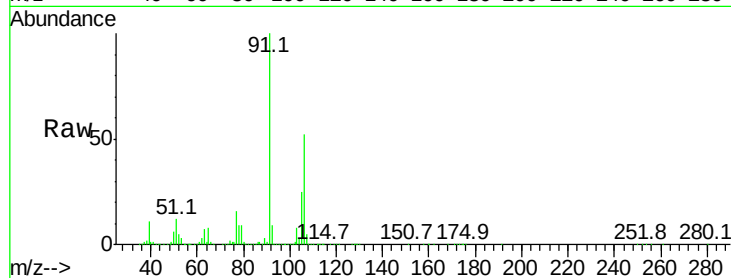
VSTDIC015

Tgt Ion: 91 Resp: 7096439

Ion Ratio Lower Upper

91 100

106 94.7 36.9 55.3#



#60

o-Xylene

Concen: 9.969 ppbv

RT: 13.72 min Scan# 3399

Delta R.T. 0.01 min

Lab File: VL037151.D

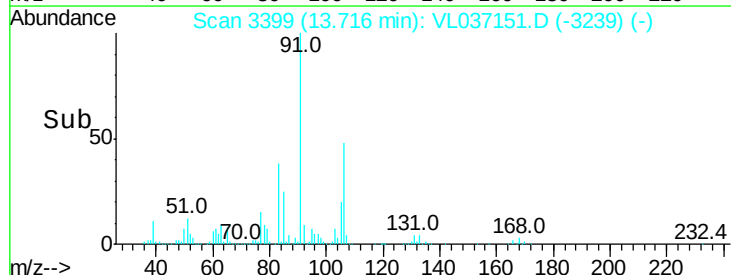
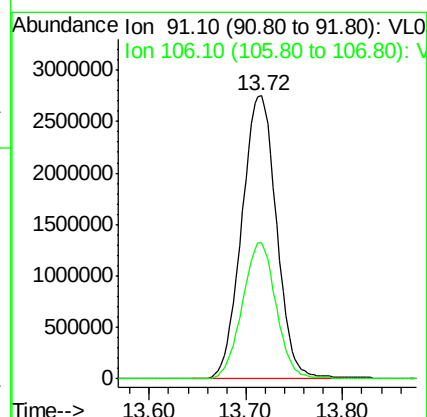
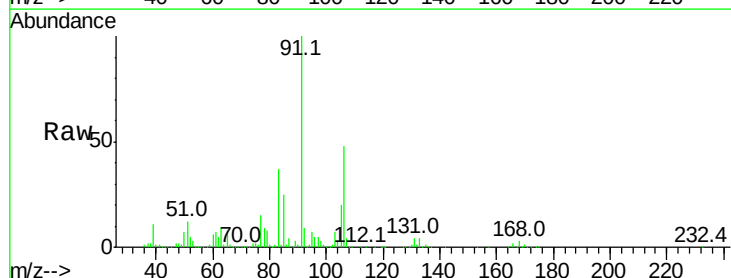
Acq: 14 Jun 2021 16:11

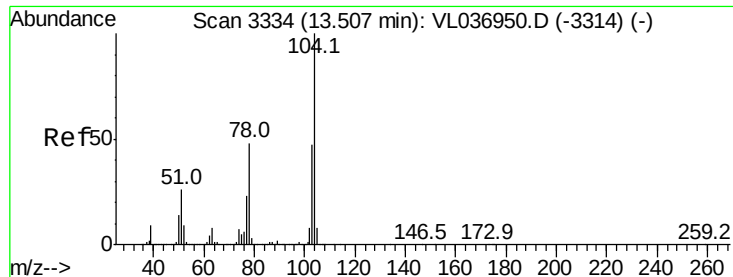
Tgt Ion: 91 Resp: 6863086

Ion Ratio Lower Upper

91 100

106 47.1 23.1 69.3





#61

Styrene

Concen: 10.718 ppbv

RT: 13.55 min Scan# 3347

Delta R.T. 0.01 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

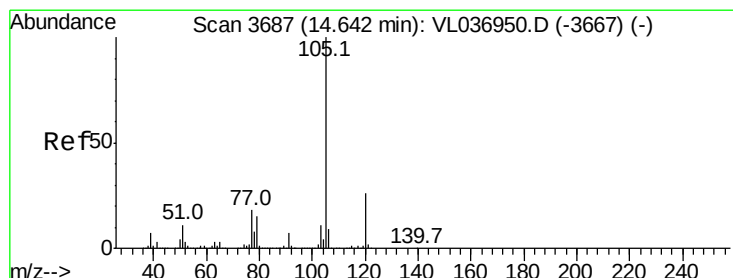
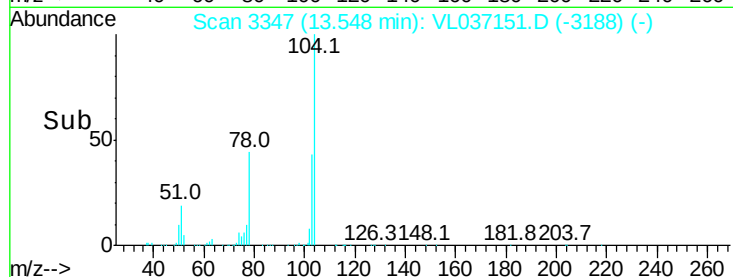
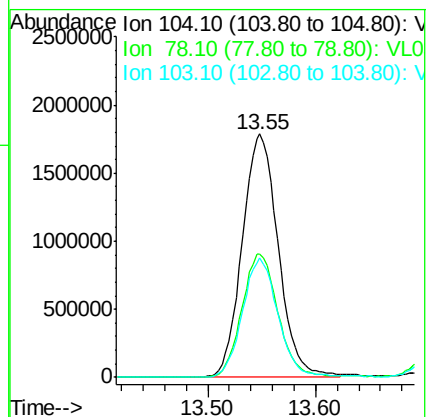
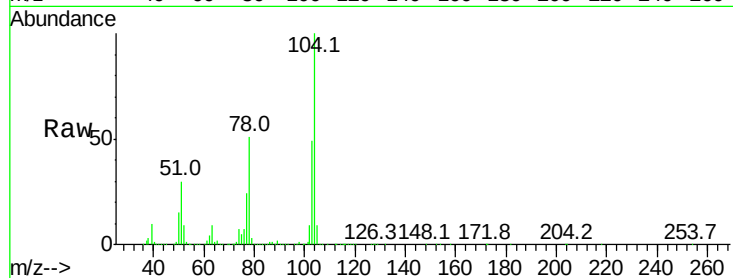
Tgt Ion:104 Resp: 4156925

Ion Ratio Lower Upper

104 100

78 51.2 40.9 61.3

103 48.5 38.6 58.0



#62

Isopropylbenzene

Concen: 9.533 ppbv

RT: 14.69 min Scan# 3701

Delta R.T. 0.01 min

Lab File: VL037151.D

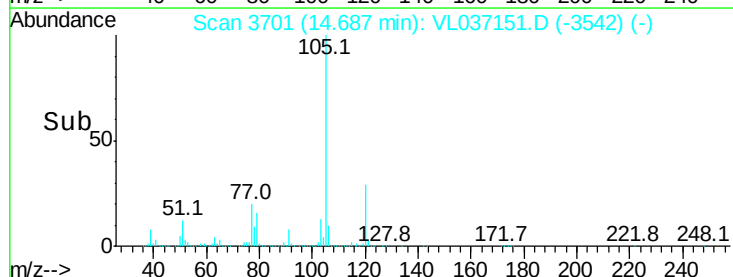
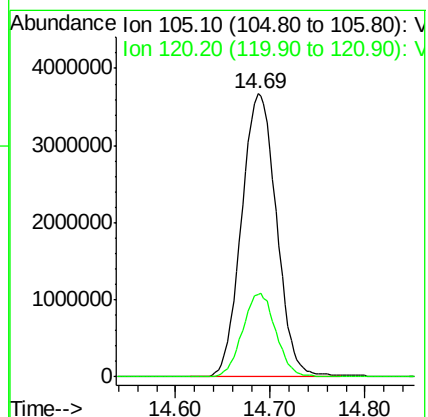
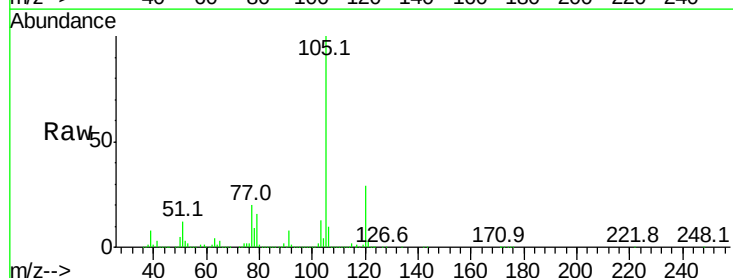
Acq: 14 Jun 2021 16:11

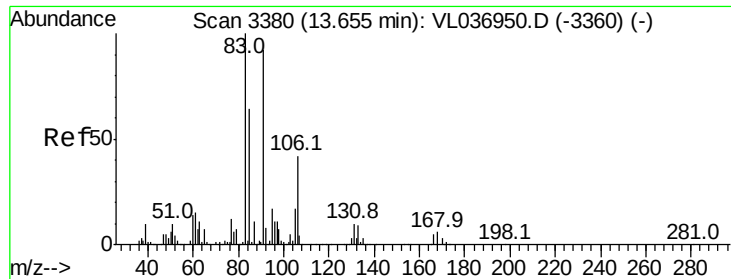
Tgt Ion:105 Resp: 9432061

Ion Ratio Lower Upper

105 100

120 28.3 21.8 32.6





#63

1,1,2,2-Tetrachloroethane

Concen: 9.170 ppbv

RT: 13.70 min Scan# 3394

Delta R.T. 0.01 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

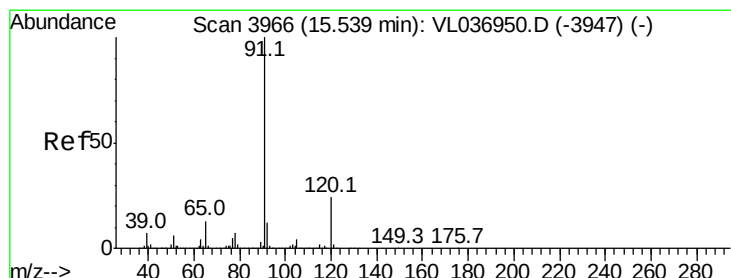
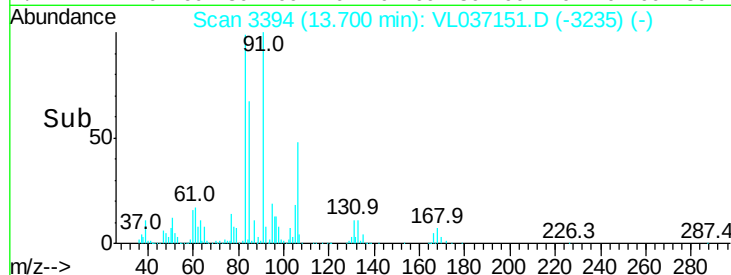
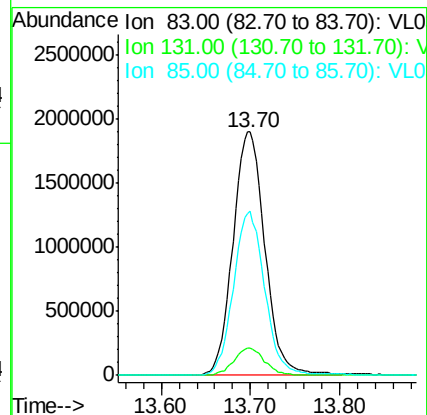
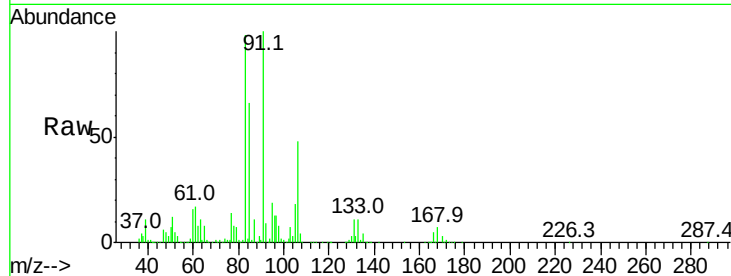
Tgt Ion: 83 Resp: 4714718

Ion Ratio Lower Upper

83 100

131 10.9 5.4 16.2

85 66.9 33.3 99.9



#64

n-propylbenzene

Concen: 10.517 ppbv

RT: 15.58 min Scan# 3979

Delta R.T. 0.01 min

Lab File: VL037151.D

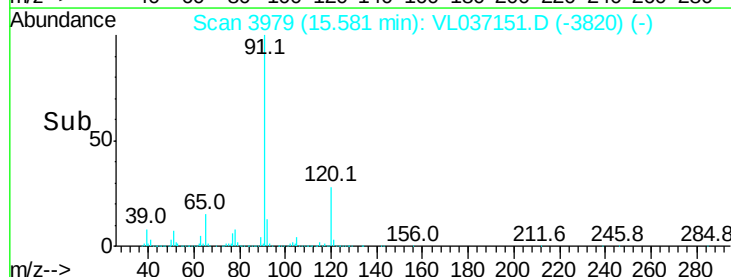
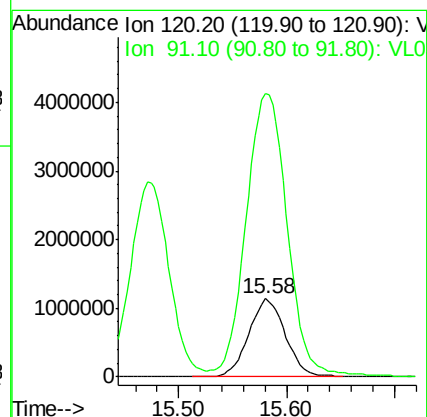
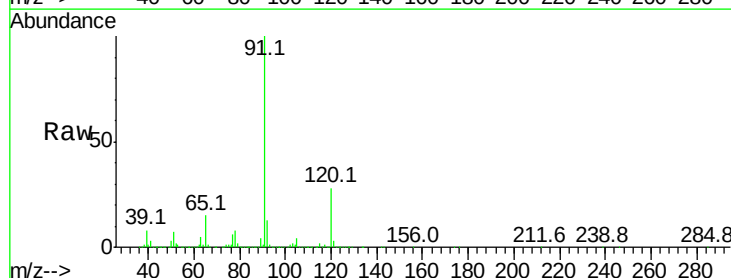
Acq: 14 Jun 2021 16:11

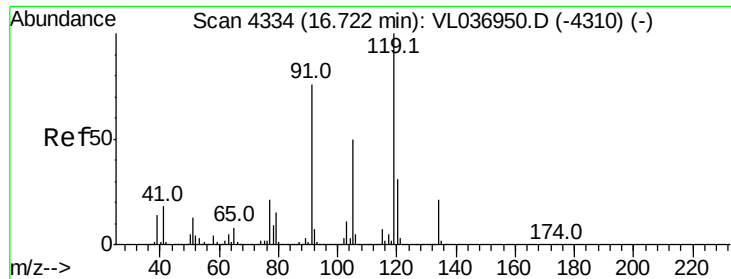
Tgt Ion: 120 Resp: 2684594

Ion Ratio Lower Upper

120 100

91 408.1 342.2 513.4

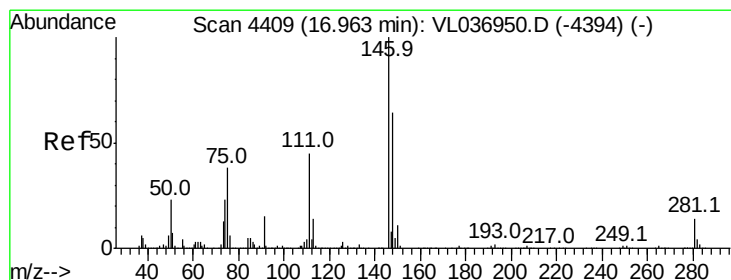
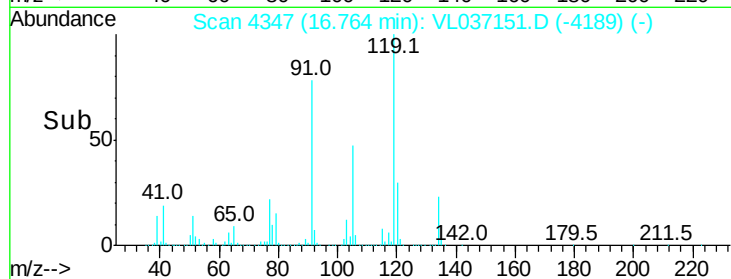
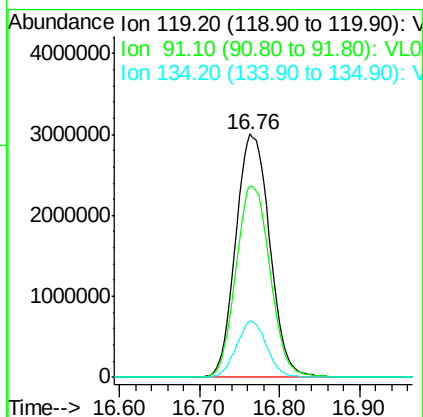
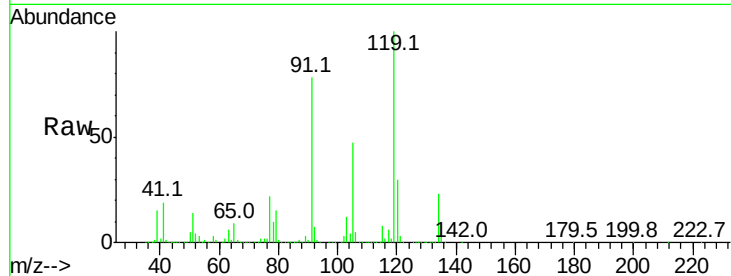




#65
tert-Butylbenzene
Concen: 9.677 ppbv
RT: 16.76 min Scan# 4347
Delta R.T. 0.01 min
Lab File: VL037151.D
Acq: 14 Jun 2021 16:11

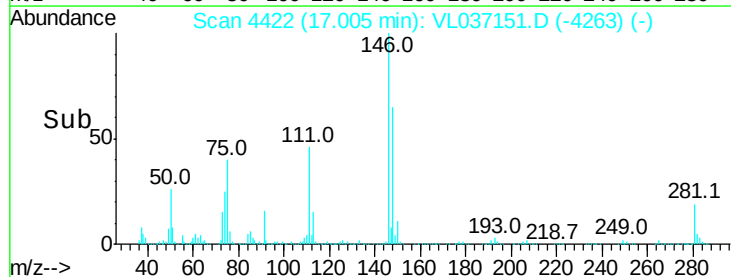
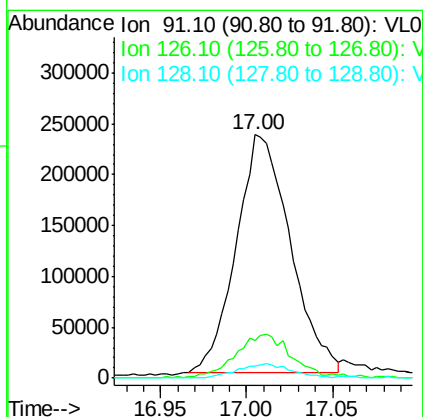
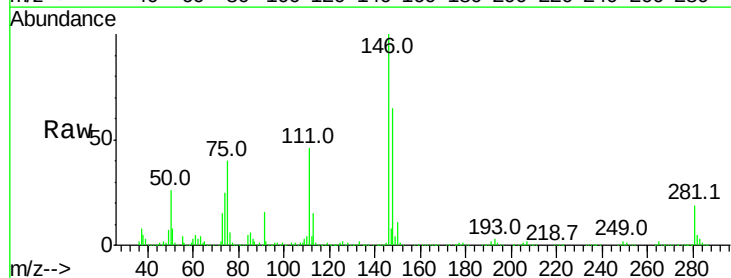
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

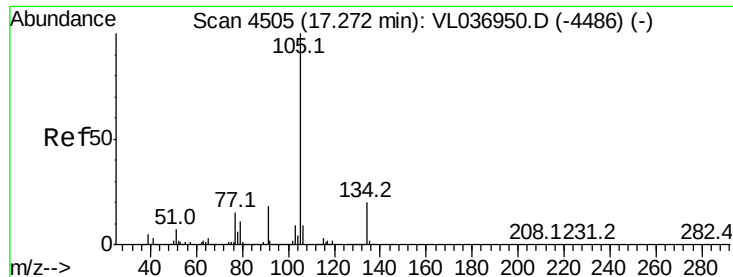
Tgt Ion: 119 Resp: 8639834
Ion Ratio Lower Upper
119 100
91 79.2 62.8 94.2
134 20.7 16.5 24.7



#66
Benzyl Chloride
Concen: 10.389 ppbv
RT: 17.00 min Scan# 4422
Delta R.T. 0.01 min
Lab File: VL037151.D
Acq: 14 Jun 2021 16:11

Tgt Ion: 91 Resp: 514609
Ion Ratio Lower Upper
91 100
126 19.7 16.4 24.6
128 6.5 5.7 8.5





#67

sec-Butylbenzene

Concen: 9.248 ppbv

RT: 17.32 min Scan# 4519

Delta R.T. 0.01 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

Instrument :

MSVOA_L

ClientSampleId :

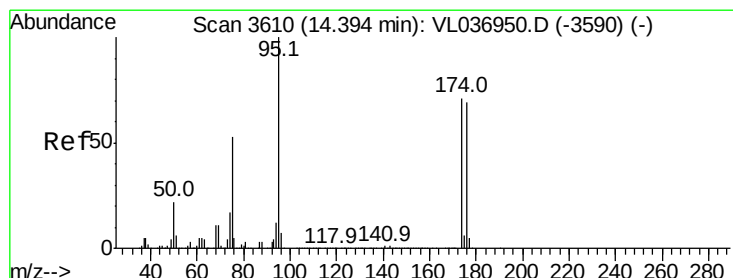
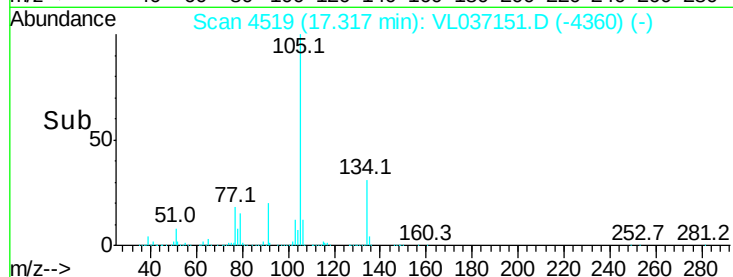
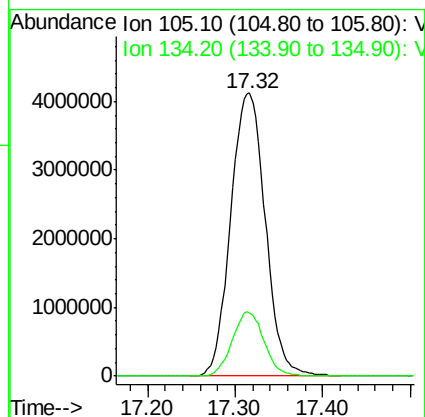
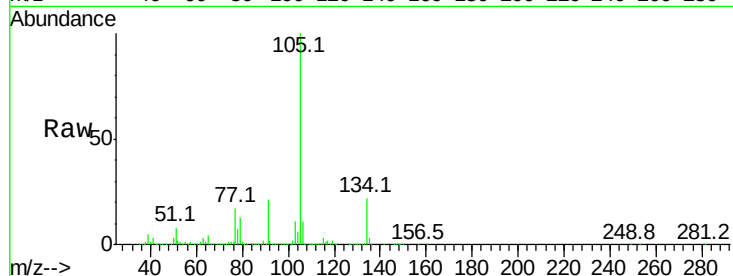
VSTDIC015

Tgt Ion: 105 Resp: 11263477

Ion Ratio Lower Upper

105 100

134 21.0 16.0 24.0



#68

1-Bromo-4-Fluorobenzene

Concen: 7.658 ppbv

RT: 14.44 min Scan# 3623

Delta R.T. 0.01 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

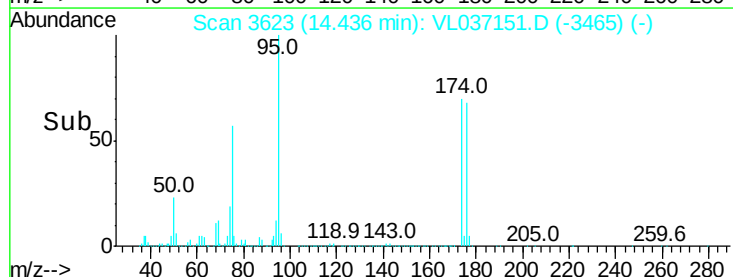
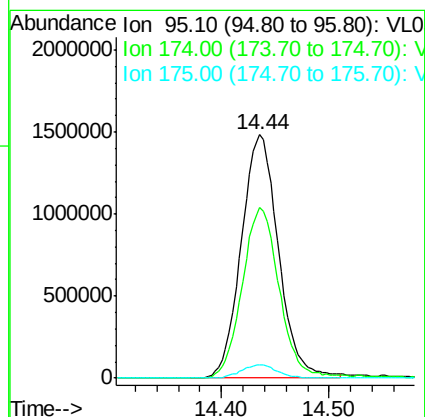
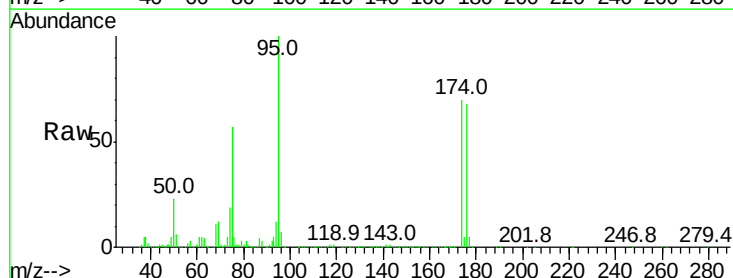
Tgt Ion: 95 Resp: 3559282

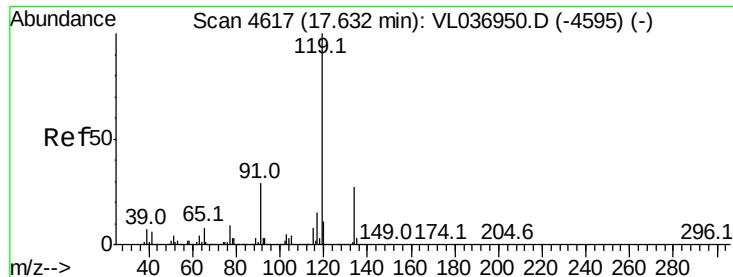
Ion Ratio Lower Upper

95 100

174 70.9 57.6 86.4

175 5.4 4.4 6.6





#69

p-Isopropyltoluene

Concen: 9.453 ppbv

RT: 17.67 min Scan# 4630

Delta R.T. 0.01 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

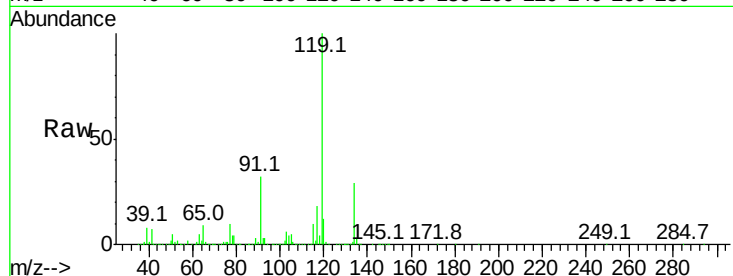
Tgt Ion: 119 Resp: 9898625

Ion Ratio Lower Upper

119 100

134 27.4 21.2 31.8

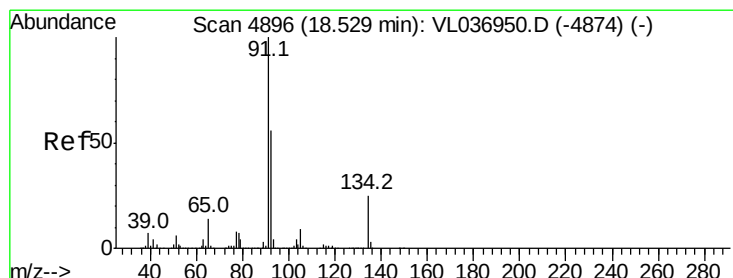
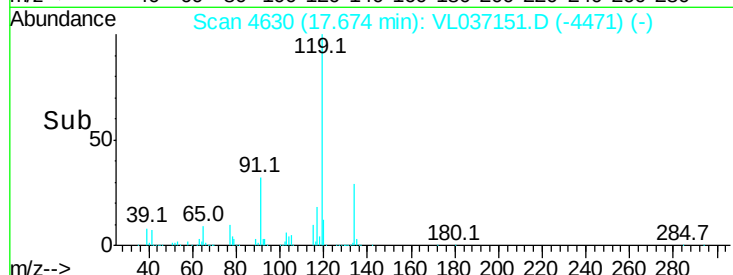
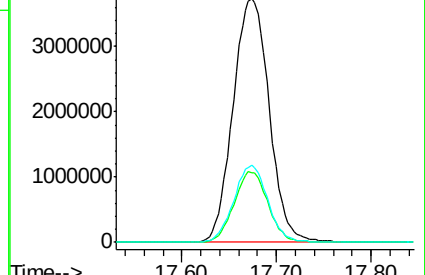
91 29.6 22.9 34.3



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: 9.511 ppbv

RT: 18.57 min Scan# 4908

Delta R.T. 0.01 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

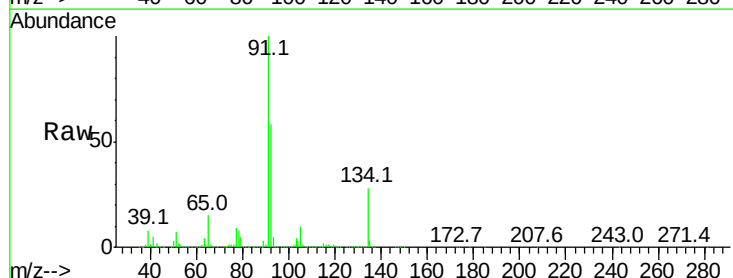
Tgt Ion: 91 Resp: 9461189

Ion Ratio Lower Upper

91 100

92 56.5 44.0 66.0

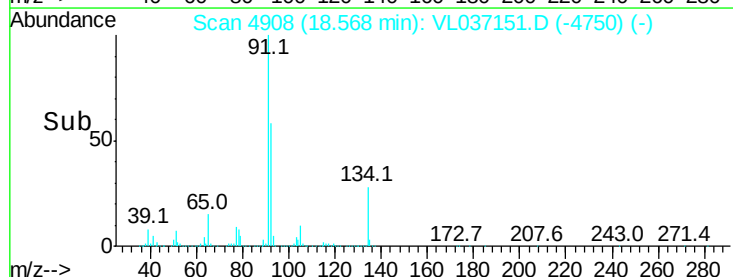
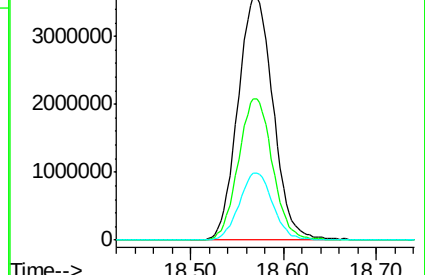
134 26.3 20.4 30.6

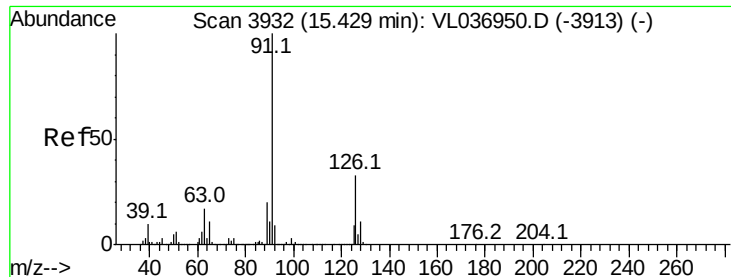


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V

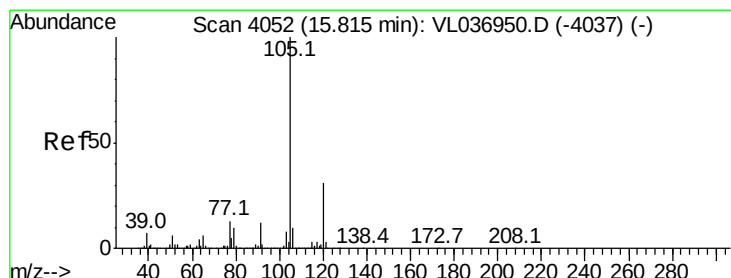
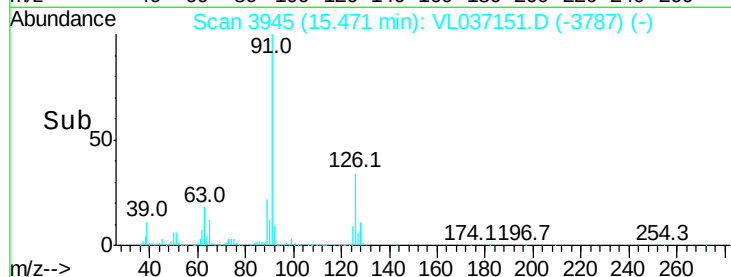
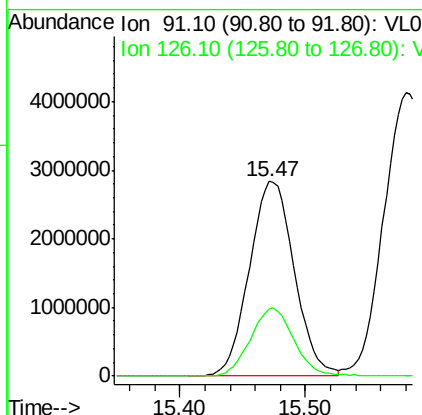
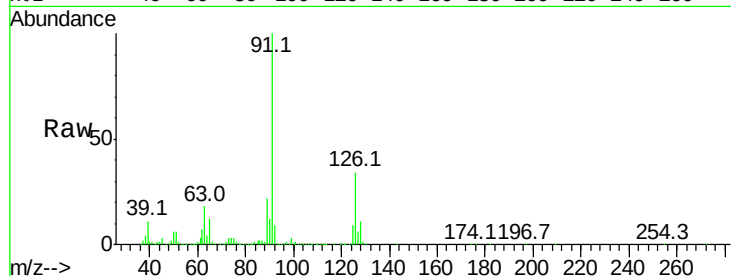




#71
 2-Chlorotoluene
 Concen: 9.883 ppbv
 RT: 15.47 min Scan# 3945
 Delta R.T. 0.01 min
 Lab File: VL037151.D
 Acq: 14 Jun 2021 16:11

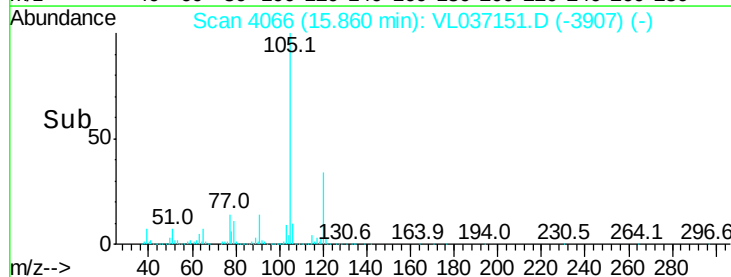
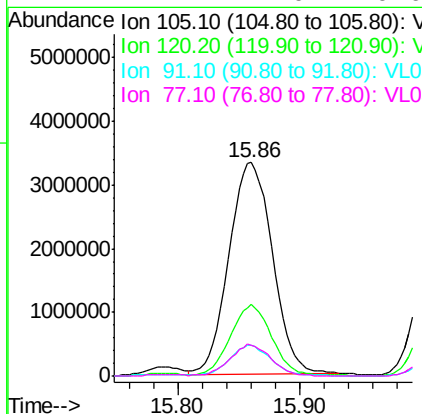
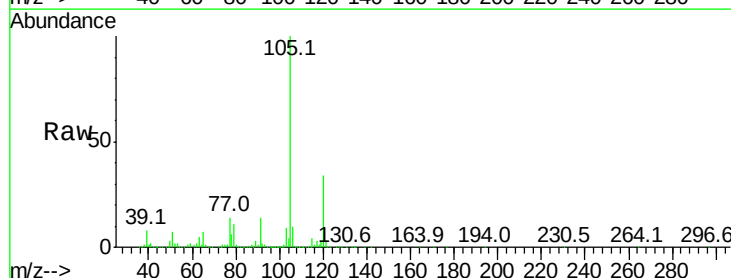
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

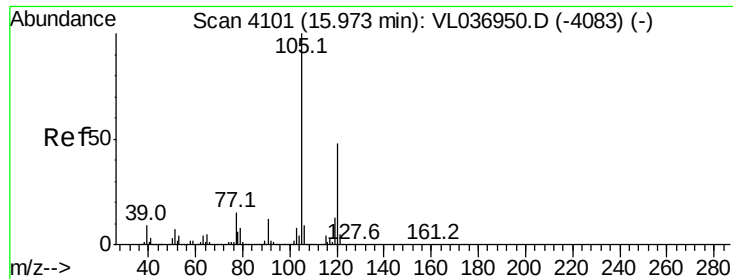
Tgt Ion: 91 Resp: 7062406
 Ion Ratio Lower Upper
 91 100
 126 34.5 13.4 53.6



#72
 4-Ethyltoluene
 Concen: 10.109 ppbv
 RT: 15.86 min Scan# 4066
 Delta R.T. 0.01 min
 Lab File: VL037151.D
 Acq: 14 Jun 2021 16:11

Tgt Ion: 105 Resp: 8259892
 Ion Ratio Lower Upper
 105 100
 120 32.3 25.1 37.7
 91 13.5 10.3 15.5
 77 14.2 11.0 16.6





#73

1,3,5-Trimethylbenzene

Concen: 9.931 ppbv

RT: 16.02 min Scan# 4115

Delta R.T. 0.01 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

Instrument :

MSVOA_L

ClientSampleId :

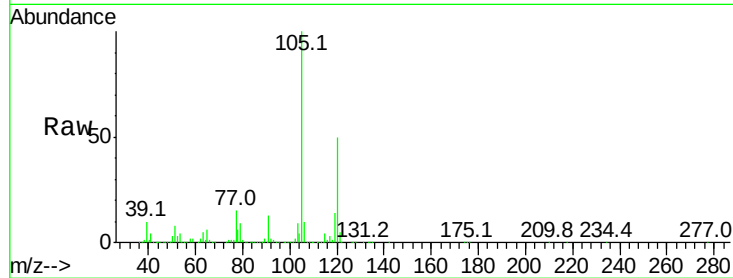
VSTDIC015

Tgt Ion:105 Resp: 7619999

Ion Ratio Lower Upper

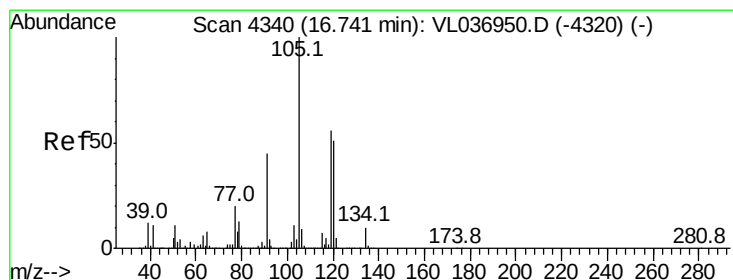
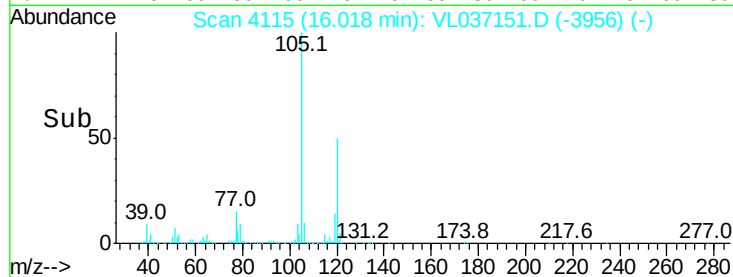
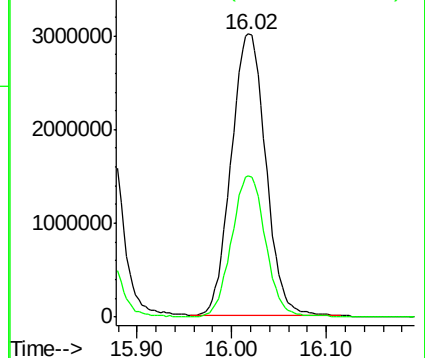
105 100

120 49.9 39.7 59.5



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: 9.833 ppbv

RT: 16.79 min Scan# 4354

Delta R.T. 0.01 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

Tgt Ion:105 Resp: 7800871

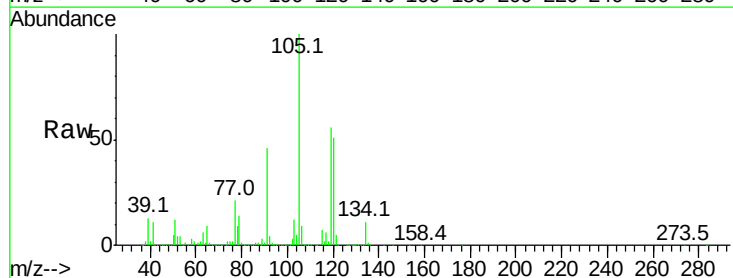
Ion Ratio Lower Upper

105 100

120 50.4 39.7 59.5

91 45.4 35.8 53.8

77 21.4 16.7 25.1

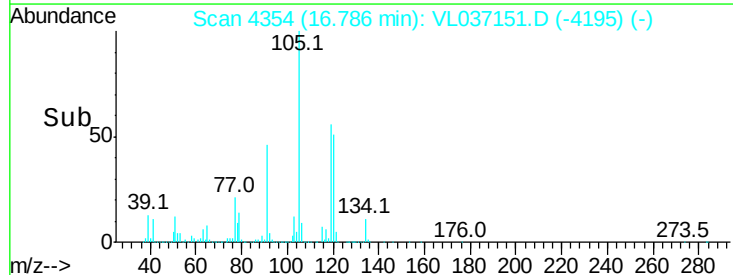
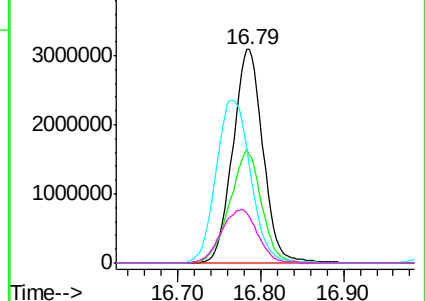


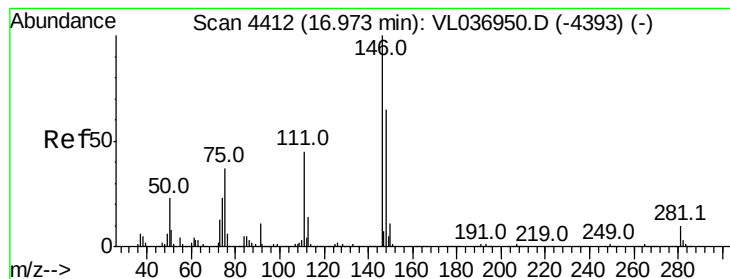
Abundance Ion 105.10 (104.80 to 105.80): V

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: 10.349 ppbv

RT: 17.02 min Scan# 4426

Delta R.T. 0.01 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

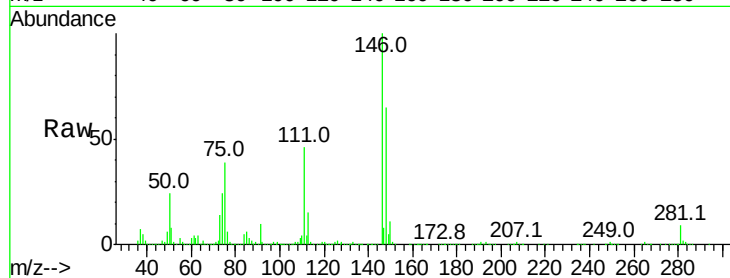
Tgt Ion:146 Resp: 5013580

Ion Ratio Lower Upper

146 100

111 45.3 22.4 67.2

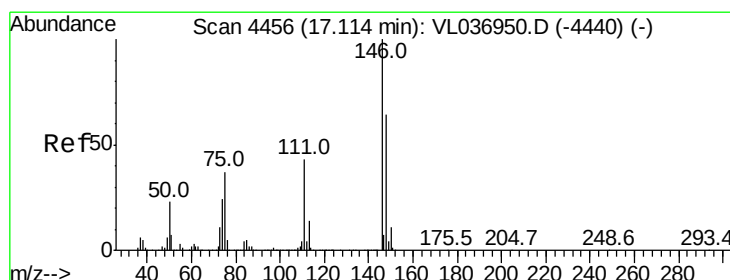
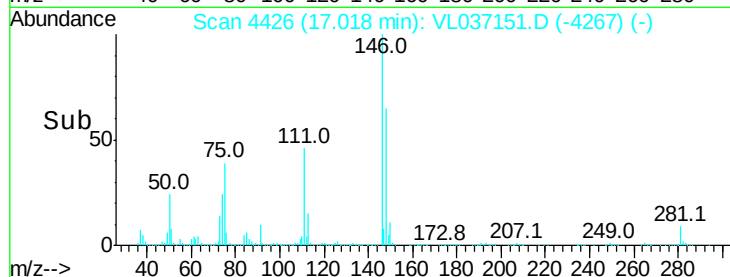
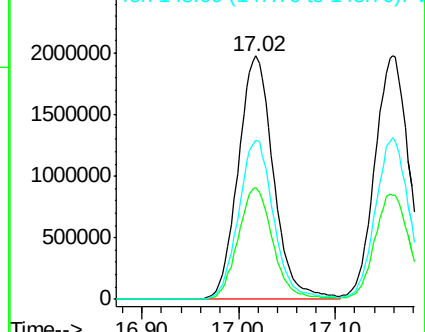
148 64.9 32.3 96.9



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: 9.953 ppbv

RT: 17.16 min Scan# 4470

Delta R.T. 0.01 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

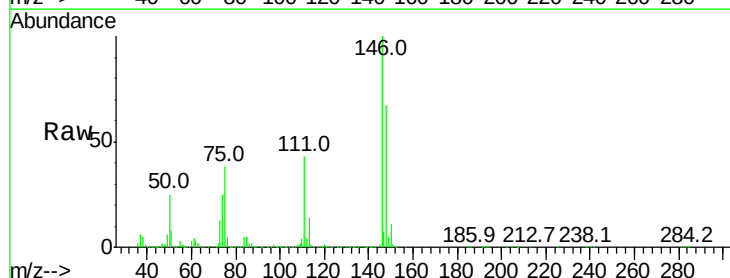
Tgt Ion:146 Resp: 4875041

Ion Ratio Lower Upper

146 100

111 45.3 21.9 65.5

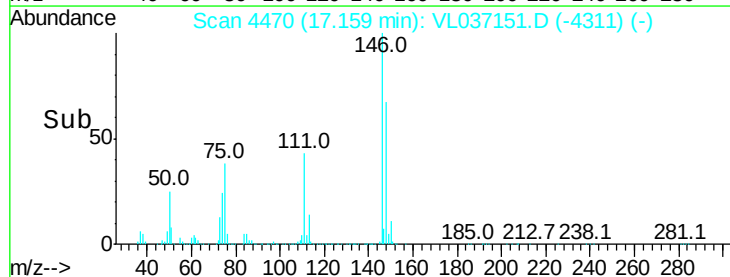
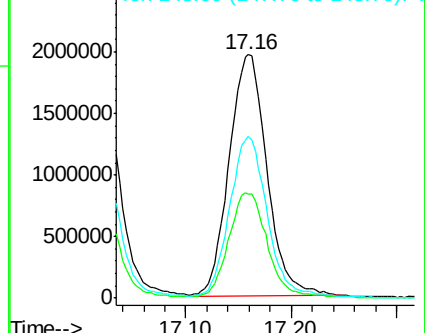
148 66.7 32.4 97.0

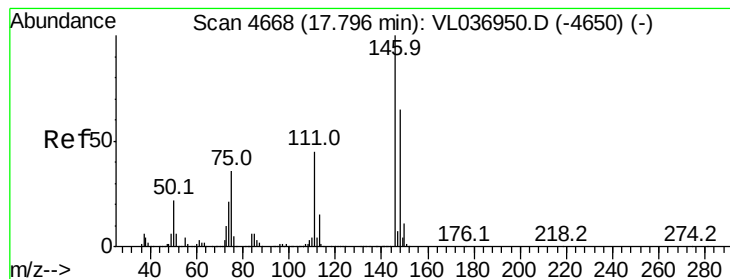


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 9.931 ppbv

RT: 17.84 min Scan# 4681

Delta R.T. 0.01 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

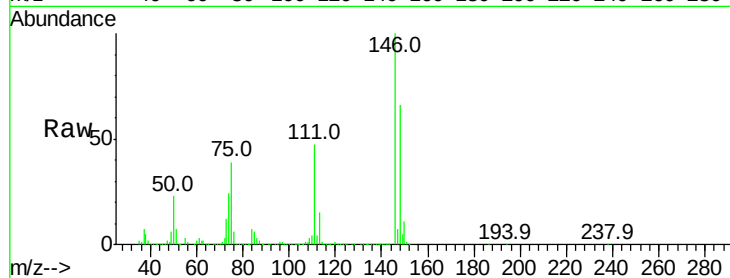
Tgt Ion:146 Resp: 4821043

Ion Ratio Lower Upper

146 100

111 46.8 23.1 69.3

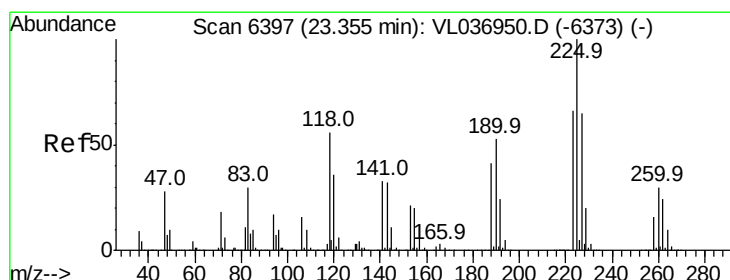
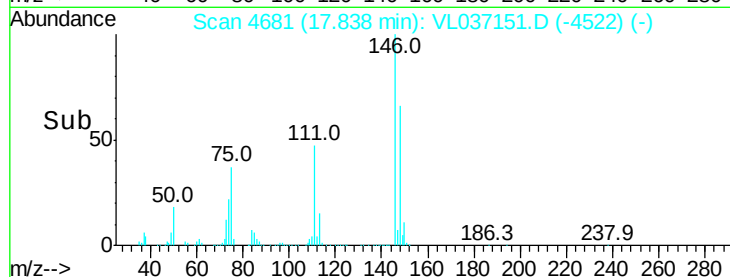
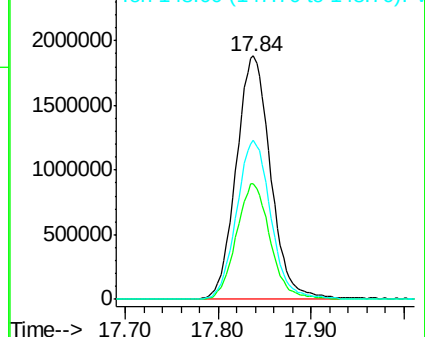
148 65.5 32.5 97.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 7.842 ppbv

RT: 23.40 min Scan# 6410

Delta R.T. 0.01 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

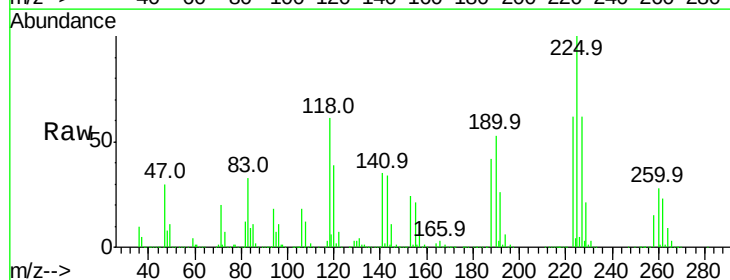
Tgt Ion:225 Resp: 3061088

Ion Ratio Lower Upper

225 100

223 64.8 52.2 78.2

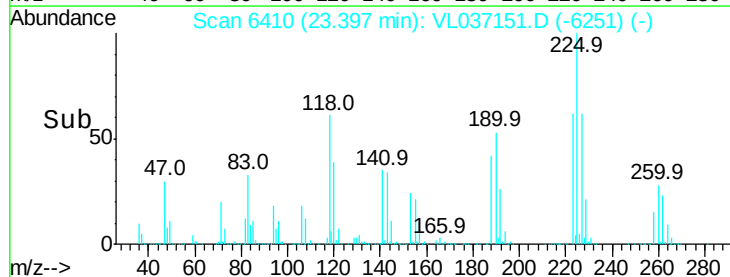
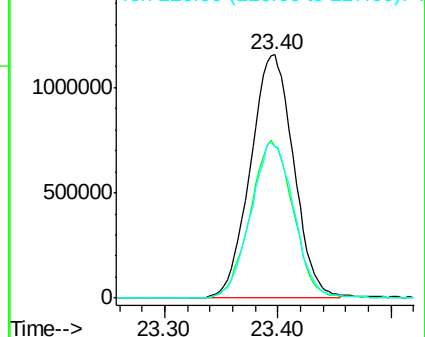
227 64.5 51.5 77.3

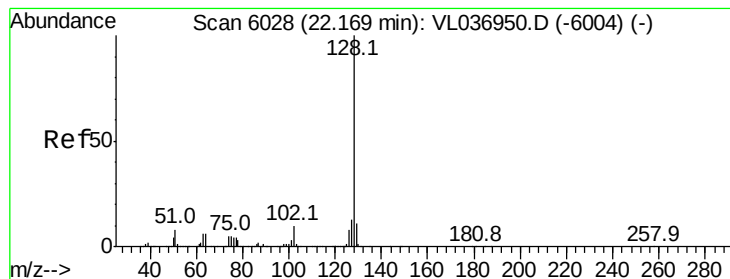


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 10.292 ppbv

RT: 22.22 min Scan# 6043

Delta R.T. 0.01 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

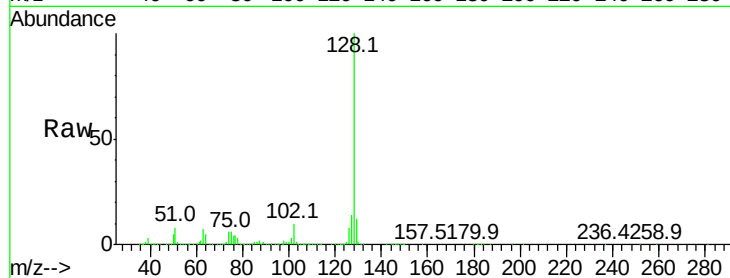
Tgt Ion:128 Resp: 6406833

Ion Ratio Lower Upper

128 100

127 14.0 10.9 16.3

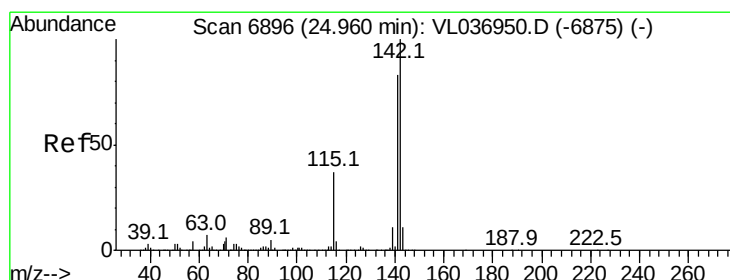
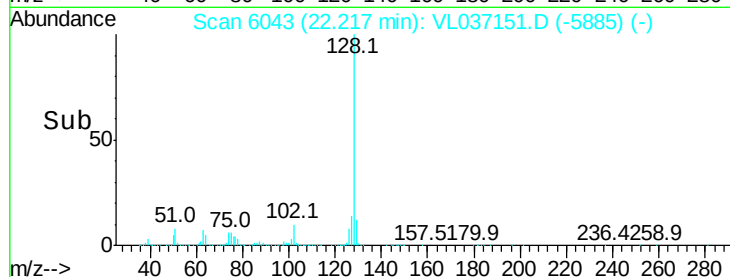
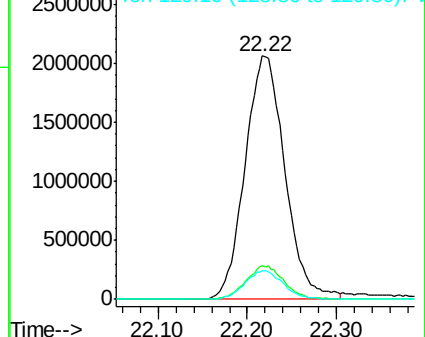
129 11.7 9.0 13.4



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: 14.400 ppbv

RT: 24.99 min Scan# 6904

Delta R.T. 0.01 min

Lab File: VL037151.D

Acq: 14 Jun 2021 16:11

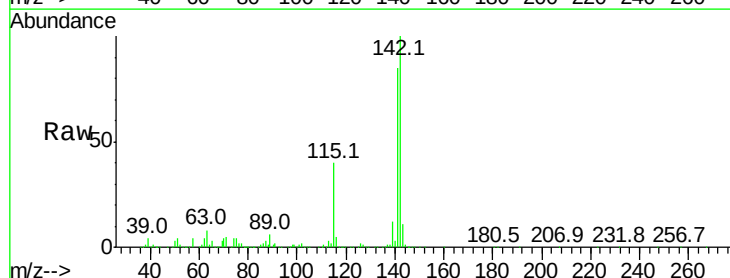
Tgt Ion:142 Resp: 1949150

Ion Ratio Lower Upper

142 100

141 88.8 66.7 100.1

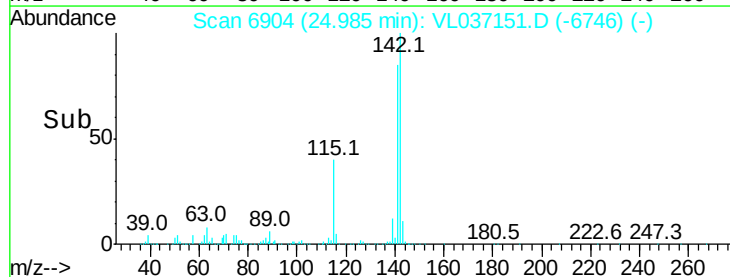
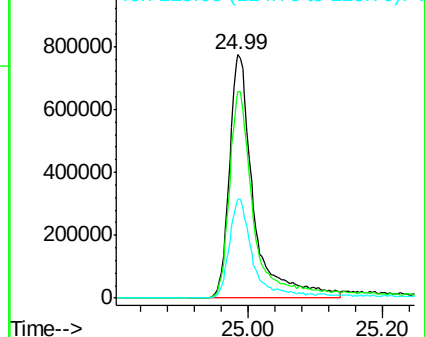
115 39.4 32.2 48.2

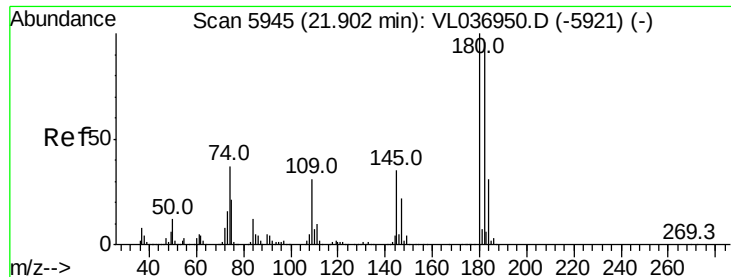


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

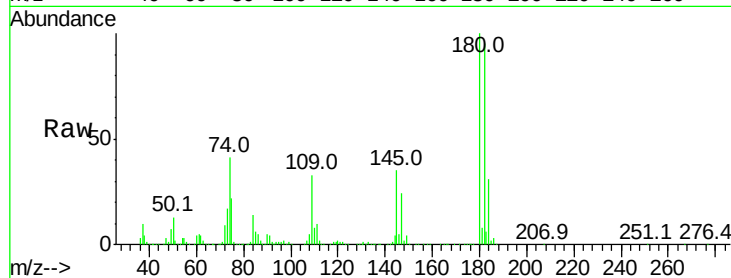




#81
 1,2,4-Trichlorobenzene
 Concen: 9.603 ppbv
 RT: 21.95 min Scan# 5960
 Delta R.T. 0.01 min
 Lab File: VL037151.D
 Acq: 14 Jun 2021 16:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion:180 Resp: 3643912
 Ion Ratio Lower Upper
 180 100
 182 99.6 79.8 119.6
 184 31.6 25.1 37.7



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

