

Data File : VL037613.D

Acq On : 16 Sep 2021 10:43

Operator : SY/AP

Sample : VSTDIC002

Misc : 400mL/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Quant Time: Sep 16 11:13:01 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091621AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 10:46:26 2021

QLast Update : Thu Sep 16 10:46:26 2021

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1663684	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4778708	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	4482473	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	3147088	9.88	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.80%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.04	85	714701	2.677	ppbv	98
3) Chlorodifluoromethane	2.98	51	660603	2.074	ppbv	97
4) Chloromethane	3.13	50	241097	2.118	ppbv	97
5) Vinyl Chloride	3.25	62	235143	2.016	ppbv	96
6) Bromomethane	3.46	94	121313	1.899	ppbv #	72
7) Chloroethane	3.55	64	79342	1.993	ppbv	98
8) Dichlorotetrafluoroethane	3.18	85	541849	1.966	ppbv	98
9) Propene	3.00	41	229742	2.016	ppbv	99
10) Heptane	8.11	43	555046	2.116	ppbv	100
11) Trichlorofluoromethane	3.94	101	497111	1.984	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	364696	1.983	ppbv	100
13) Ethanol	3.61	45	6994	0.631	ppbv #	33
14) Bromoethene	3.73	108	164177	1.967	ppbv	99
15) Acetone	3.84	43	294970	1.742	ppbv #	42
16) 1,3-Butadiene	3.32	39	220774	2.033	ppbv	98
17) tert-Butyl alcohol	4.28	59	260427	1.684	ppbv	96
18) 1,1-Dichloroethene	4.28	96	165906	1.986	ppbv	88
19) Isopropyl Alcohol	3.99	45	21474	0.221	ppbv #	1
20) Methylene Chloride	4.33	84	159448	1.881	ppbv	91
21) Allyl Chloride	4.40	41	240191	1.747	ppbv	92
22) trans-1,2-Dichloroethene	4.87	96	147503	1.770	ppbv	97
23) Vinyl Acetate	5.06	43	501795	2.011	ppbv #	95
24) 1,1-Dichloroethane	5.00	63	330301	1.825	ppbv	98
25) Ethyl Acetate	5.67	43	906959	2.110	ppbv	99
26) Hexane	5.67	57	428489	2.039	ppbv	97
27) Carbon Disulfide	4.54	76	337331	1.801	ppbv #	86
28) Methyl tert-Butyl Ether	5.03	73	405458	2.009	ppbv	99
29) Chloroform	5.74	83	597247	2.005	ppbv	99
30) Cyclohexane	7.12	84	332225	1.897	ppbv #	83
31) cis-1,2-Dichloroethene	5.53	61	376253	1.978	ppbv	94
32) 1,1,1-Trichloroethane	6.50	97	571922	1.954	ppbv	98
34) 2-Butanone	5.23	43	396550	2.032	ppbv	95
35) Carbon Tetrachloride	7.00	117	575073	2.036	ppbv	98
36) Benzene	6.87	78	859577	2.140	ppbv	96
37) 1,2-Dichloroethane	6.29	62	392898	1.974	ppbv	99
38) Trichloroethene	7.82	130	332721	2.019	ppbv	96
39) 1,2-Dichloropropane	7.59	63	317711	2.058	ppbv	91
40) 1,4-Dioxane	7.83	88	31808	0.841	ppbv #	1
41) Tetrahydrofuran	6.05	42	179651	1.911	ppbv	96
42) Bromodichloromethane	7.77	83	590480	2.029	ppbv #	92
43) Methyl Methacrylate	8.00	69	280818	2.006	ppbv	97

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Sample : VSTDIC002
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ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

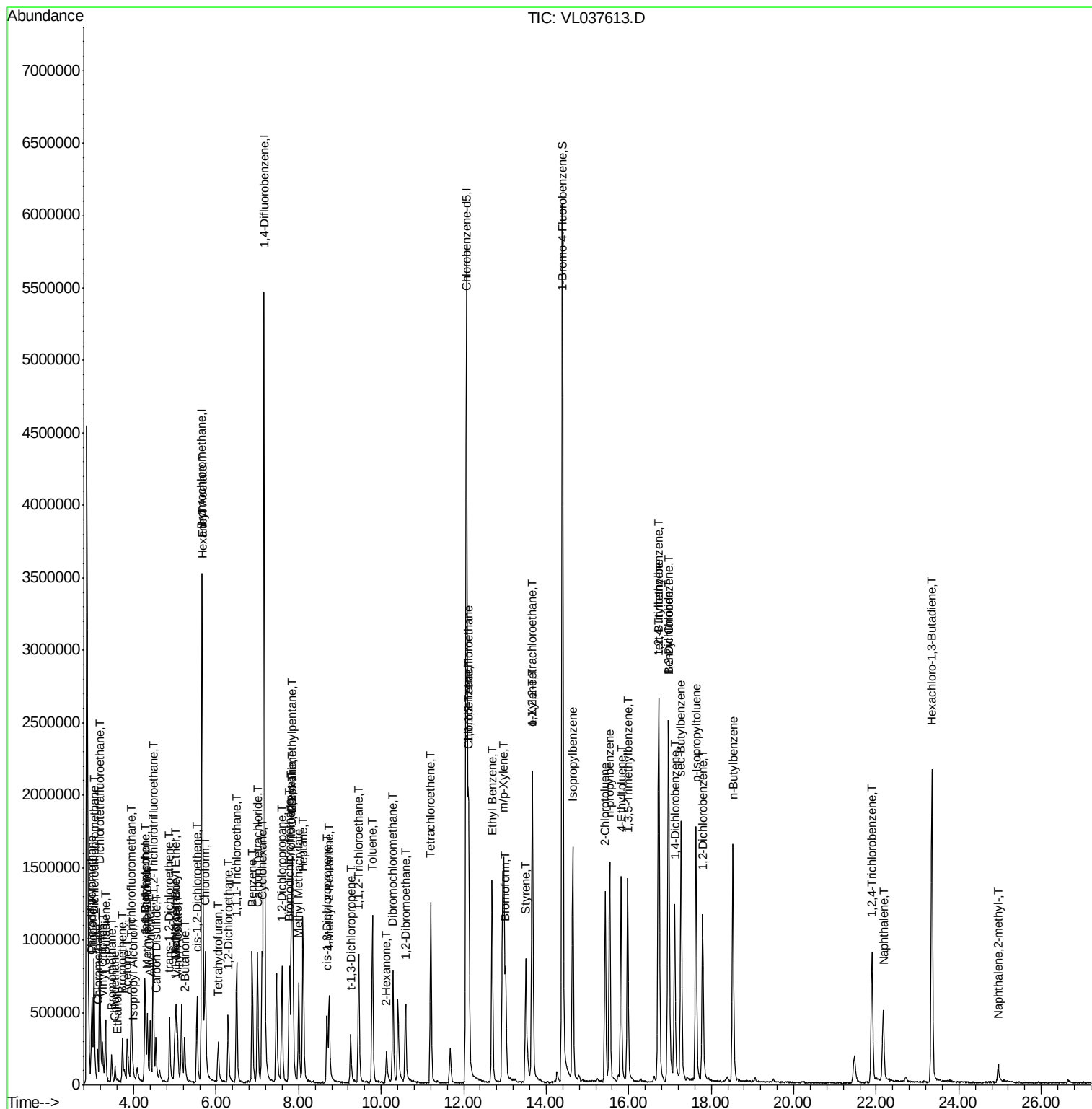
Quant Time: Sep 16 11:13:01 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 10:46:26 2021
QLast Update : Thu Sep 16 10:46:26 2021
Response via : Initial Calibration

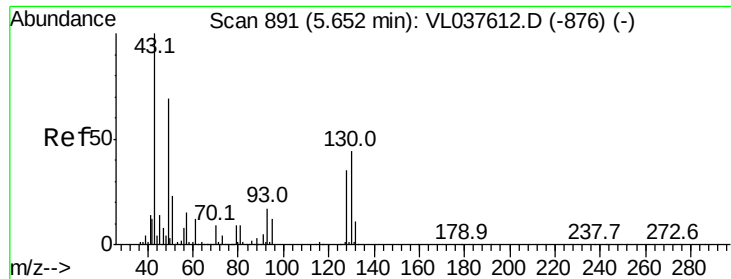
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	1502759	2.223	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	210346	1.996	ppbv	93
46) cis-1,3-Dichloropropene	8.69	75	295909	2.013	ppbv	95
47) 1,1,2-Trichloroethane	9.45	97	175220	1.051	ppbv	96
48) Dibromochloromethane	10.28	129	307526	1.281	ppbv #	37
49) Bromoform	13.02	173	407549	2.154	ppbv	98
50) 4-Methyl-2-Pentanone	8.74	43	525405	2.064	ppbv	99
51) 2-Hexanone	10.12	43	86696	0.740	ppbv #	29
52) Tetrachloroethene	11.20	164	331673	2.015	ppbv	97
53) Toluene	9.78	91	994374	2.168	ppbv	99
54) 1,2-Dibromoethane	10.59	107	482151	2.071	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.11	131	396023	2.120	ppbv #	1
57) Chlorobenzene	12.12	112	782545	2.104	ppbv	96
58) Ethyl Benzene	12.69	91	1305468	2.099	ppbv	97
59) m/p-Xylene	12.97	91	1233382	2.287	ppbv #	44
60) o-Xylene	13.67	91	1087075	2.160	ppbv	99
61) Styrene	13.51	104	535506	2.048	ppbv	98
62) Isopropylbenzene	14.65	105	1503960	2.117	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.65	83	763975	2.042	ppbv	99
64) n-propylbenzene	15.54	120	373489	2.066	ppbv	77
65) tert-Butylbenzene	16.72	119	1354292	2.093	ppbv	99
66) Benzyl Chloride	16.96	91	16409	0.561	ppbv #	1
67) sec-Butylbenzene	17.27	105	1870524	2.069	ppbv	96
69) p-Isopropyltoluene	17.63	119	1529958	2.077	ppbv	100
70) n-Butylbenzene	18.53	91	1429324	2.030	ppbv	99
71) 2-Chlorotoluene	15.43	91	1079435	2.072	ppbv	100
72) 4-Ethyltoluene	15.82	105	1239493	2.070	ppbv	98
73) 1,3,5-Trimethylbenzene	15.97	105	1124227	2.017	ppbv	96
74) 1,2,4-Trimethylbenzene	16.74	105	1203391	2.032	ppbv	95
75) 1,3-Dichlorobenzene	16.97	146	725898	2.036	ppbv	99
76) 1,4-Dichlorobenzene	17.11	146	647556	1.803	ppbv	94
77) 1,2-Dichlorobenzene	17.79	146	672406	1.916	ppbv	97
78) Hexachloro-1,3-Butadiene	23.35	225	621742	2.130	ppbv	99
79) Naphthalene	22.17	128	673673	1.700	ppbv	97
80) Naphthalene,2-methyl-	24.95	142	90397	0.819	ppbv	89
81) 1,2,4-Trichlorobenzene	21.88	180	130933	0.527	ppbv #	11

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

ALS Vial : 1 Sample Multiplier: 1

Response via : Initial Calibration

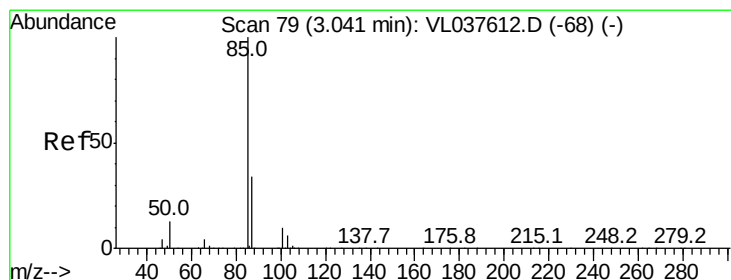
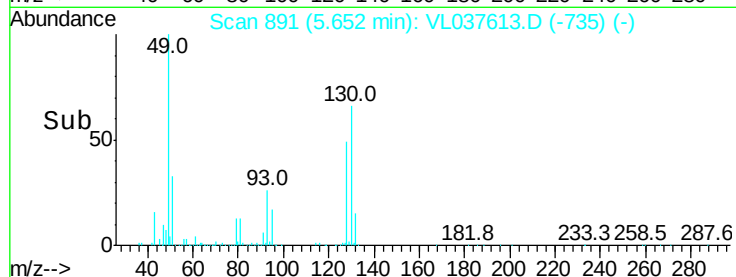
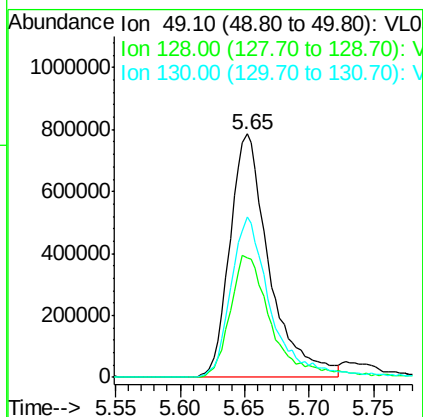
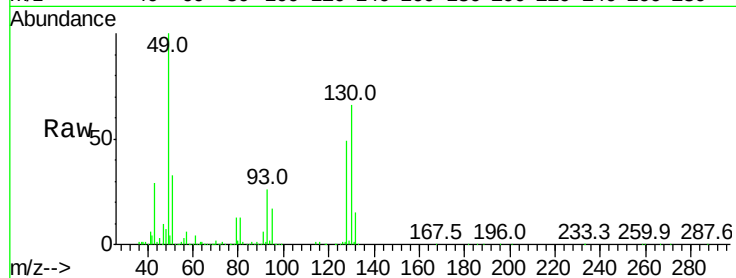




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65 min Scan# 891
 Delta R.T. 0.00 min
 Lab File: VL037613.D
 Acq: 16 Sep 2021 10:43

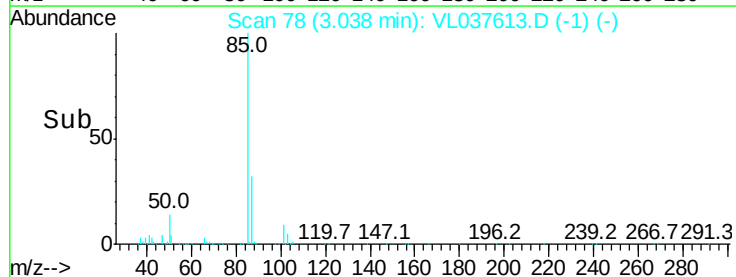
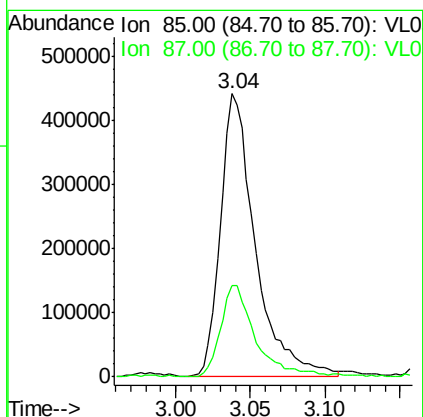
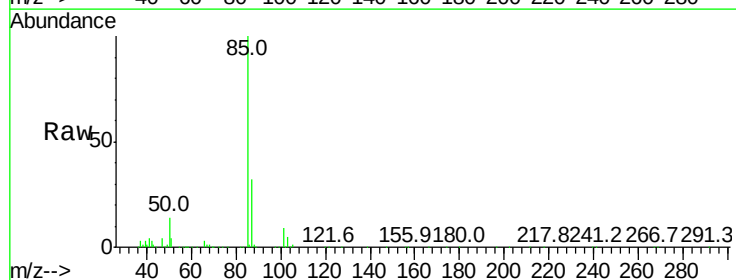
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

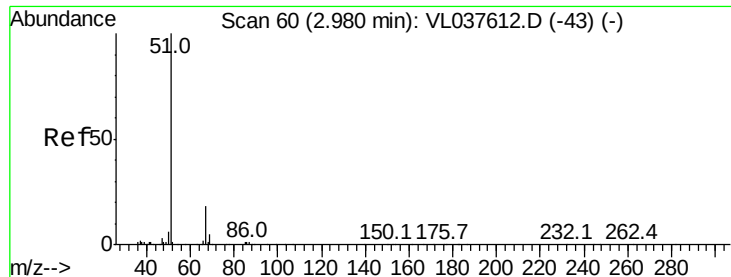
Tgt Ion: 49 Resp: 1663684
 Ion Ratio Lower Upper
 49 100
 128 52.5 27.9 83.6
 130 68.2 33.9 101.7



#2
 Dichlorodifluoromethane
 Concen: 2.677 ppbv
 RT: 3.04 min Scan# 78
 Delta R.T. -0.00 min
 Lab File: VL037613.D
 Acq: 16 Sep 2021 10:43

Tgt Ion: 85 Resp: 714701
 Ion Ratio Lower Upper
 85 100
 87 32.6 26.8 40.2

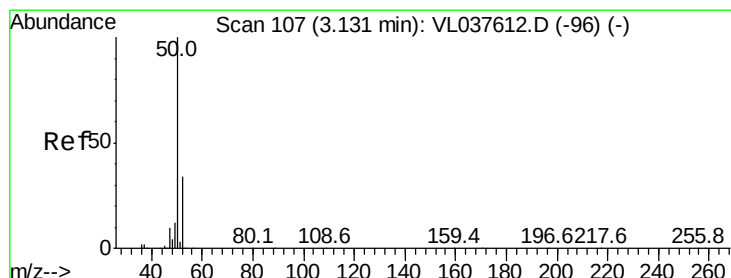
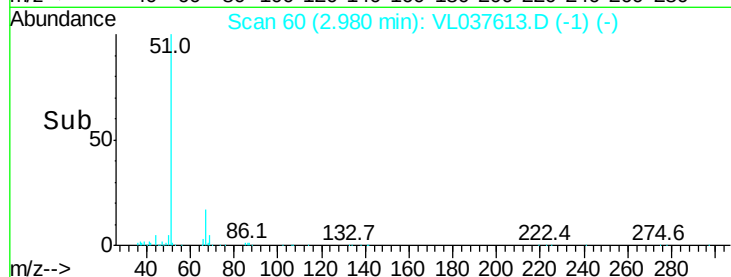
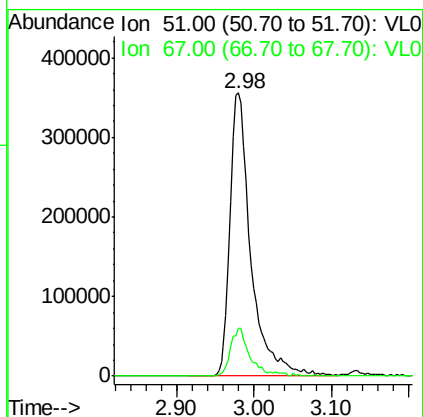
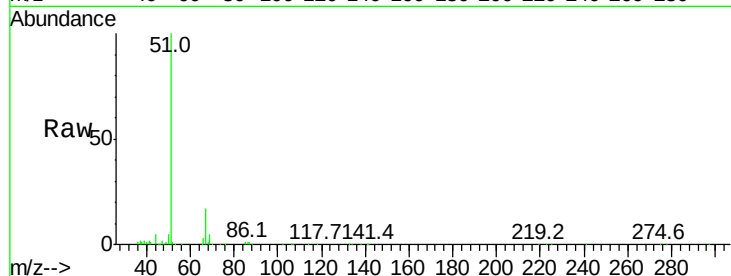




#3
Chlorodifluoromethane
Concen: 2.074 ppbv
RT: 2.98 min Scan# 60
Delta R.T. 0.00 min
Lab File: VL037613.D
Acq: 16 Sep 2021 10:43

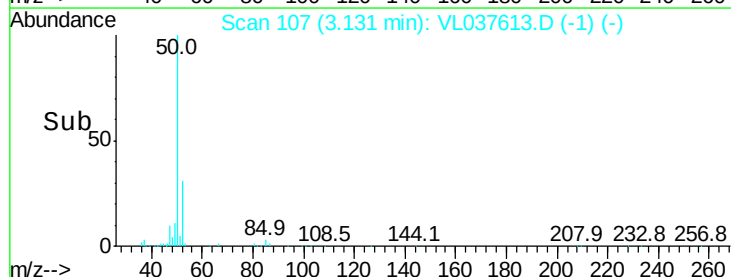
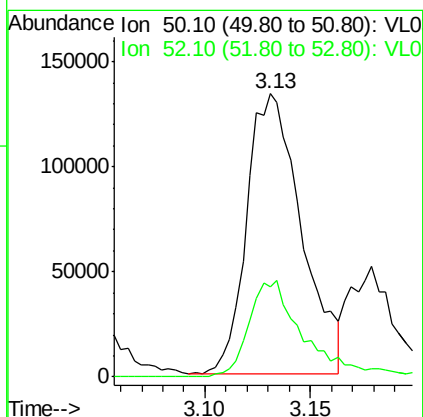
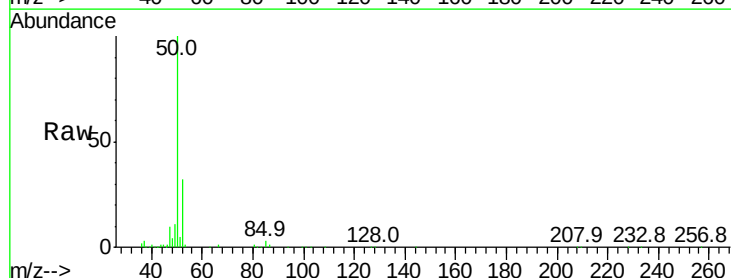
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

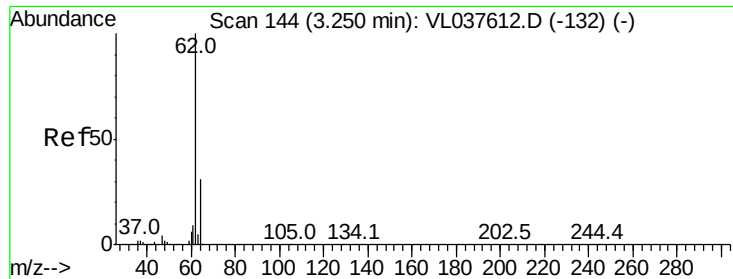
Tgt Ion: 51 Resp: 660603
Ion Ratio Lower Upper
51 100
67 16.1 14.0 21.0



#4
Chloromethane
Concen: 2.118 ppbv
RT: 3.13 min Scan# 107
Delta R.T. 0.00 min
Lab File: VL037613.D
Acq: 16 Sep 2021 10:43

Tgt Ion: 50 Resp: 241097
Ion Ratio Lower Upper
50 100
52 32.0 27.1 40.7





#5

Vinyl Chloride

Concen: 2.016 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.00 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

Instrument :

MSVOA_L

ClientSampleId :

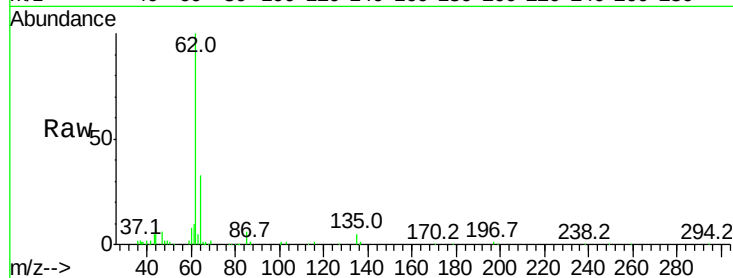
VSTDIC002

Tgt Ion: 62 Resp: 235143

Ion Ratio Lower Upper

62 100

64 33.2 24.9 37.3



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.25

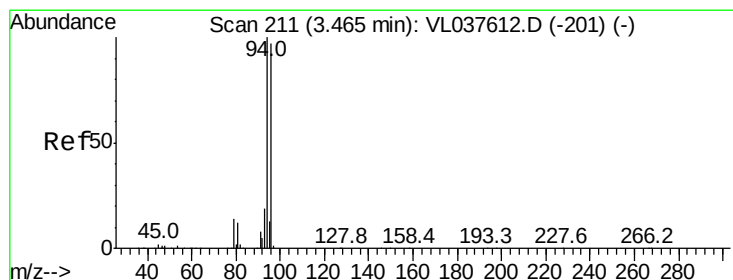
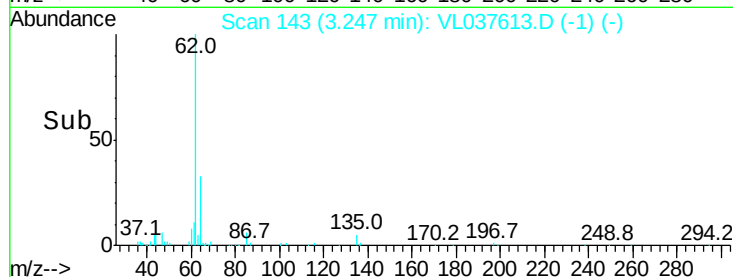
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 1.899 ppbv

RT: 3.46 min Scan# 210

Delta R.T. -0.00 min

Lab File: VL037613.D

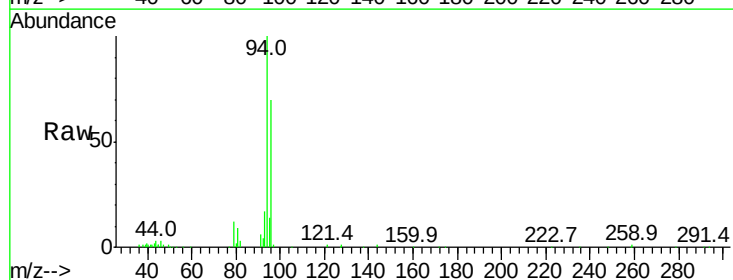
Acq: 16 Sep 2021 10:43

Tgt Ion: 94 Resp: 121313

Ion Ratio Lower Upper

94 100

96 69.4 77.3 115.9#



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.46

80000

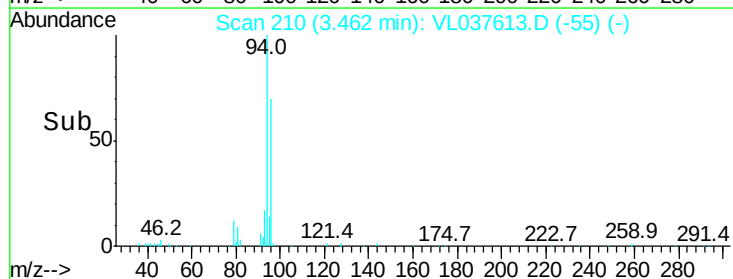
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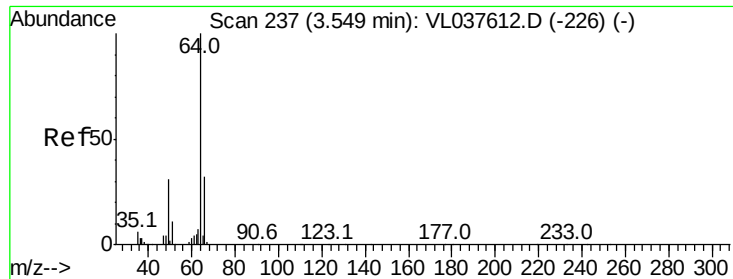
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20000

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Time-->





#7

Chloroethane

Concen: 1.993 ppbv

RT: 3.55 min Scan# 237

Delta R.T. 0.00 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

Instrument :

MSVOA_L

ClientSampleId :

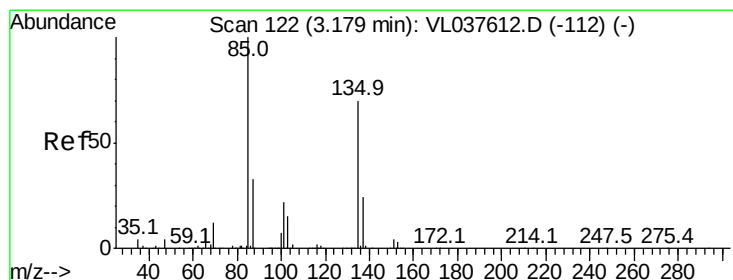
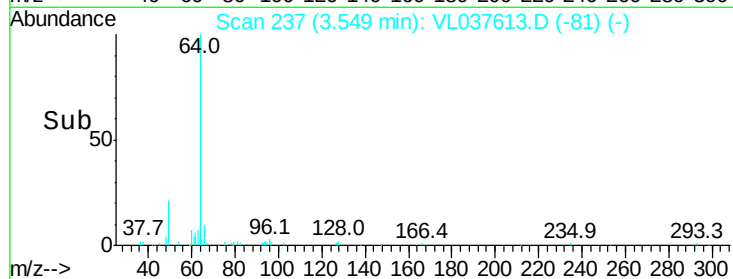
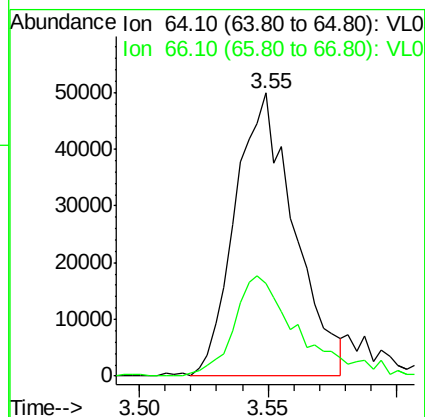
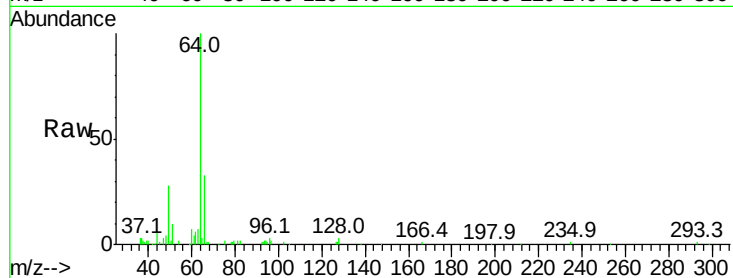
VSTDIC002

Tgt Ion: 64 Resp: 79342

Ion Ratio Lower Upper

64 100

66 32.9 25.3 37.9



#8

Dichlorotetrafluoroethane

Concen: 1.966 ppbv

RT: 3.18 min Scan# 122

Delta R.T. 0.00 min

Lab File: VL037613.D

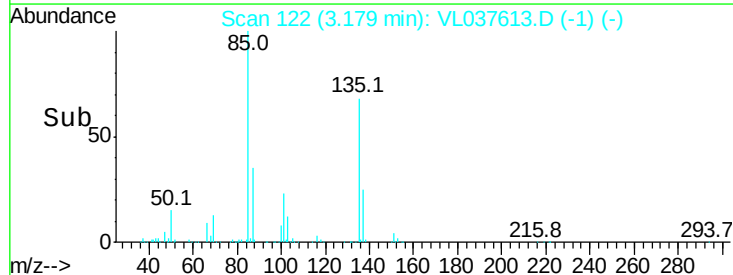
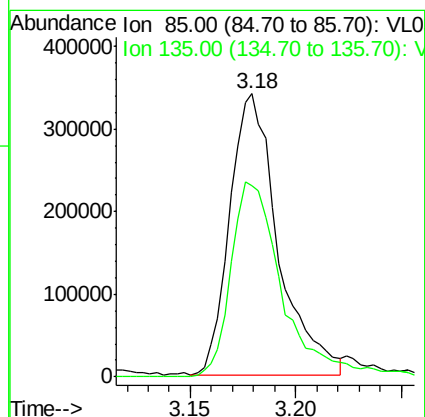
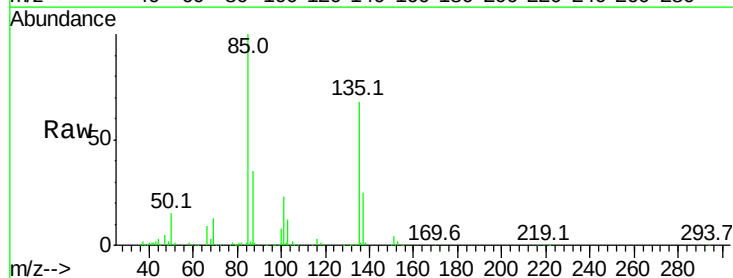
Acq: 16 Sep 2021 10:43

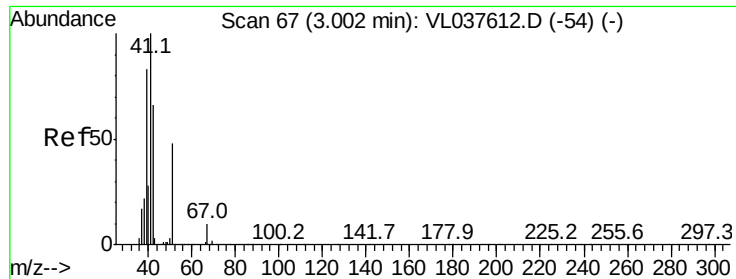
Tgt Ion: 85 Resp: 541849

Ion Ratio Lower Upper

85 100

135 75.8 59.3 88.9





#9

Propene

Concen: 2.016 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.00 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

Instrument :

MSVOA_L

ClientSampleId :

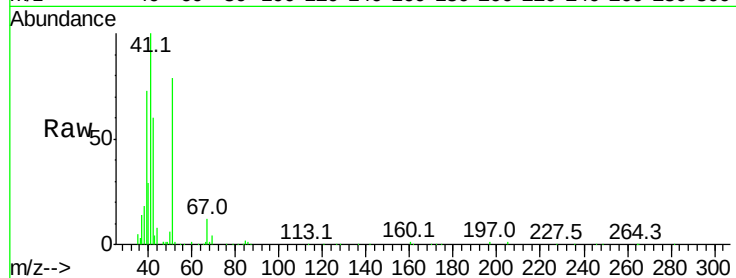
VSTDIC002

Tgt Ion: 41 Resp: 229742

Ion Ratio Lower Upper

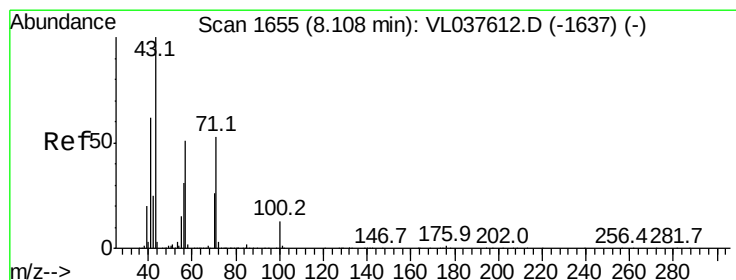
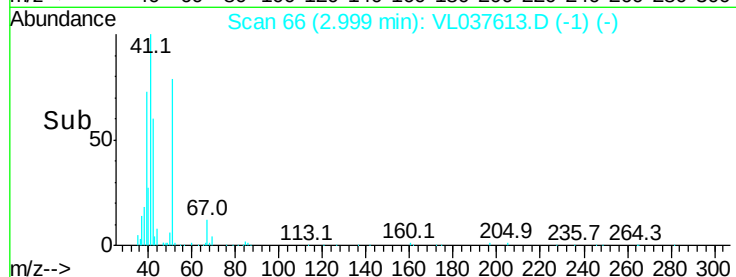
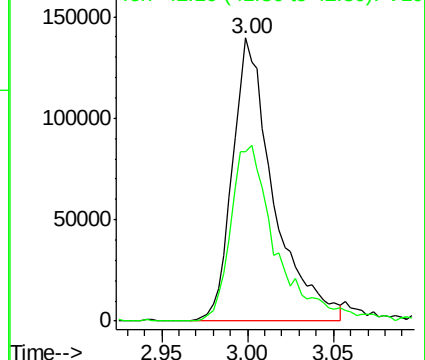
41 100

42 70.9 57.2 85.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 2.116 ppbv

RT: 8.11 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VL037613.D

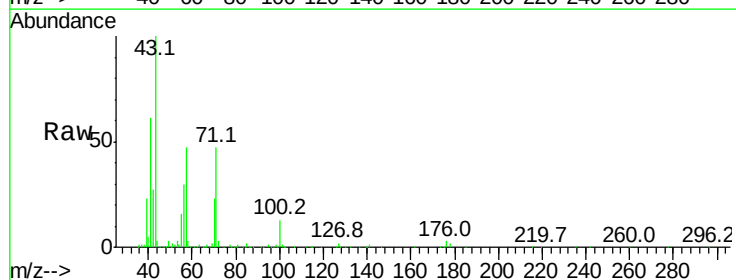
Acq: 16 Sep 2021 10:43

Tgt Ion: 43 Resp: 555046

Ion Ratio Lower Upper

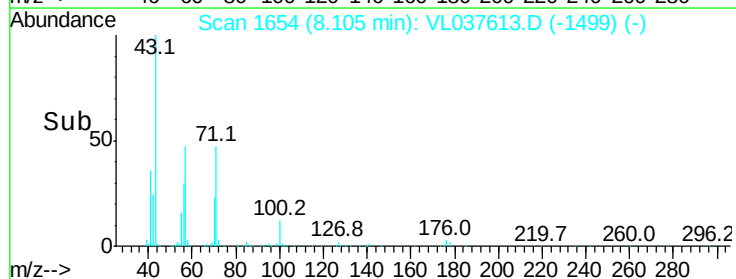
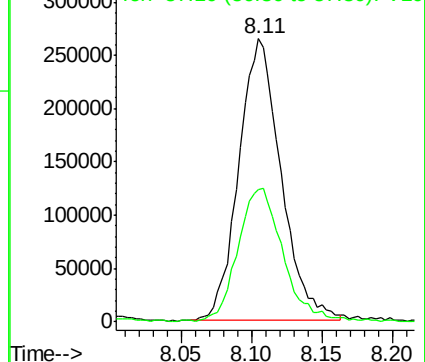
43 100

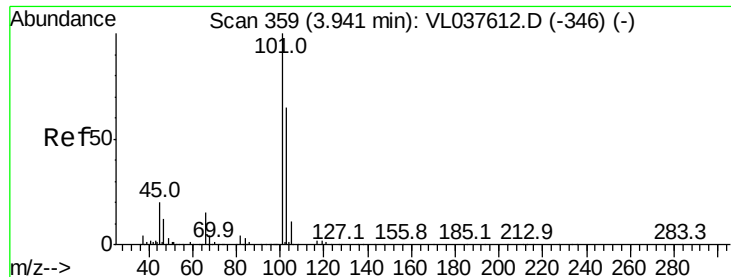
57 50.4 40.1 60.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

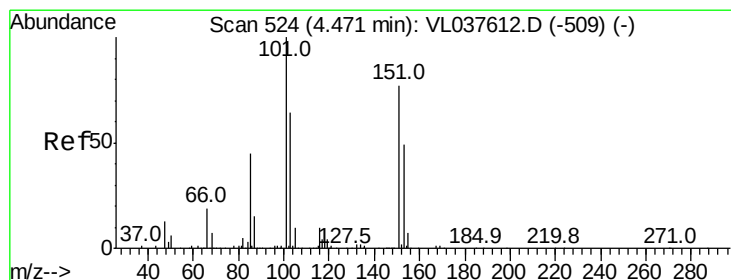
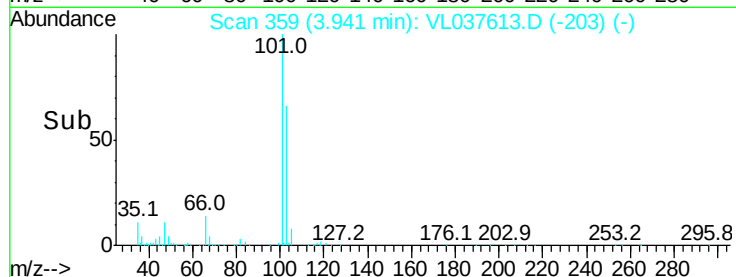
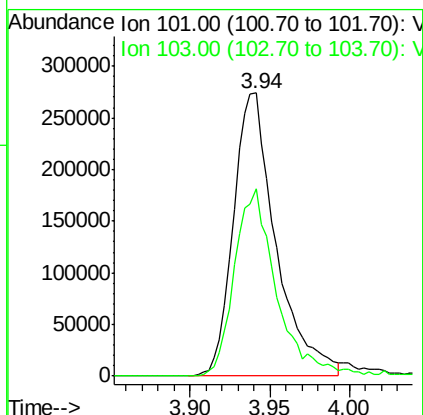
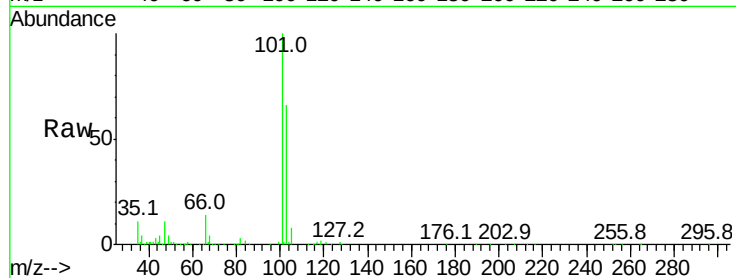




#11
 Trichlorofluoromethane
 Concen: 1.984 ppbv
 RT: 3.94 min Scan# 359
 Delta R.T. 0.00 min
 Lab File: VL037613.D
 Acq: 16 Sep 2021 10:43

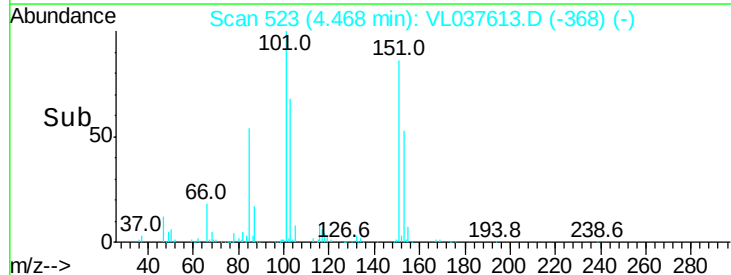
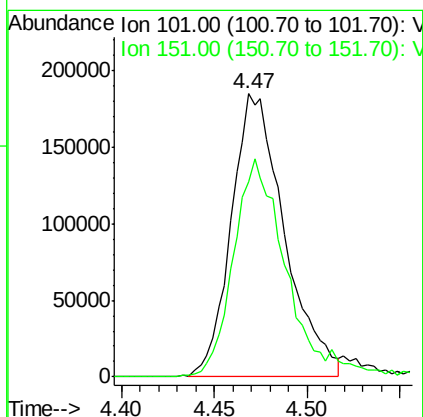
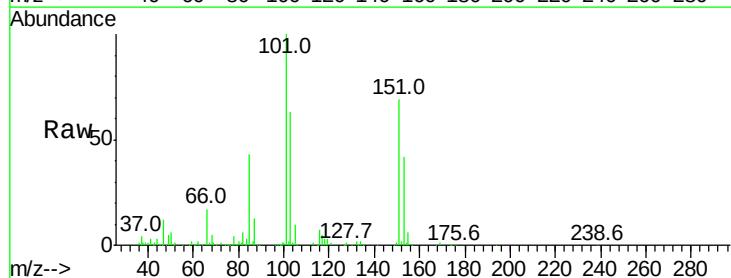
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

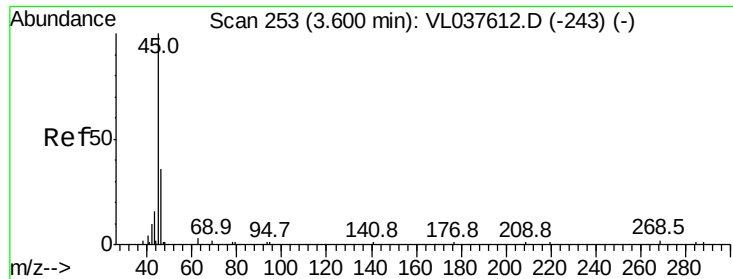
Tgt Ion:101 Resp: 497111
 Ion Ratio Lower Upper
 101 100
 103 66.1 51.9 77.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.983 ppbv
 RT: 4.47 min Scan# 523
 Delta R.T. -0.00 min
 Lab File: VL037613.D
 Acq: 16 Sep 2021 10:43

Tgt Ion:101 Resp: 364696
 Ion Ratio Lower Upper
 101 100
 151 79.2 63.5 95.3

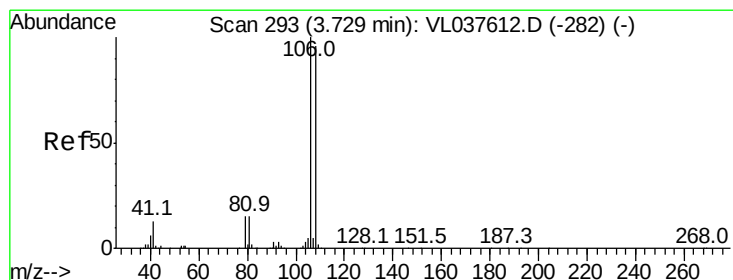
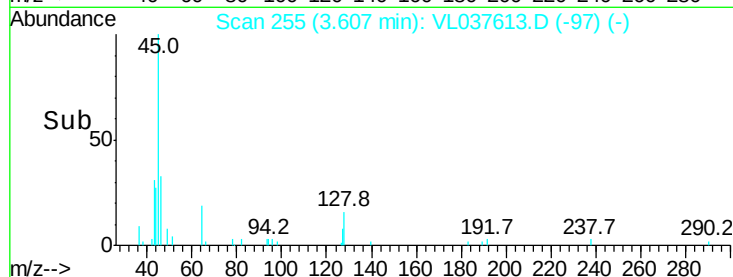
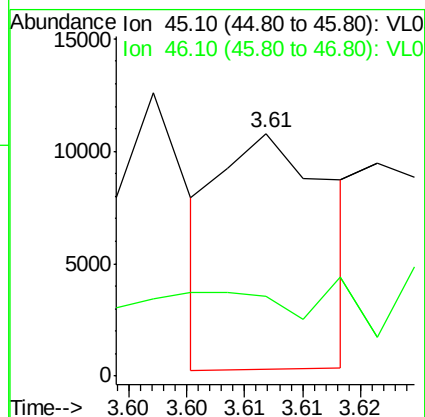
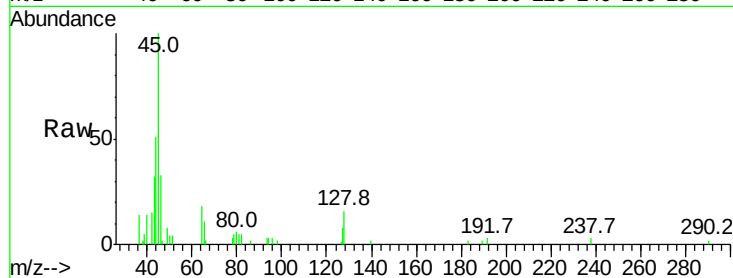




#13
Ethanol
Concen: 0.631 ppbv
RT: 3.61 min Scan# 255
Delta R.T. 0.01 min
Lab File: VL037613.D
Acq: 16 Sep 2021 10:43

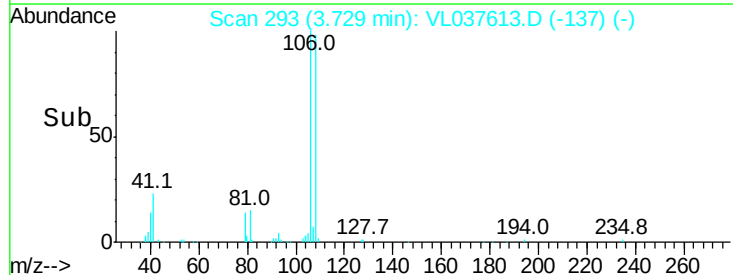
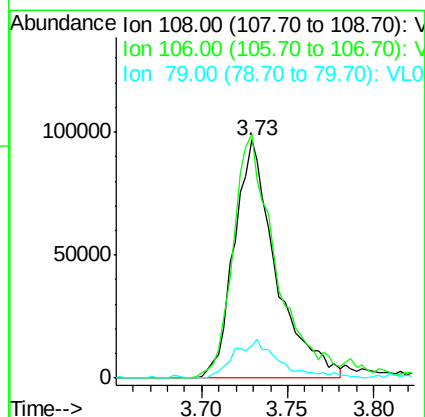
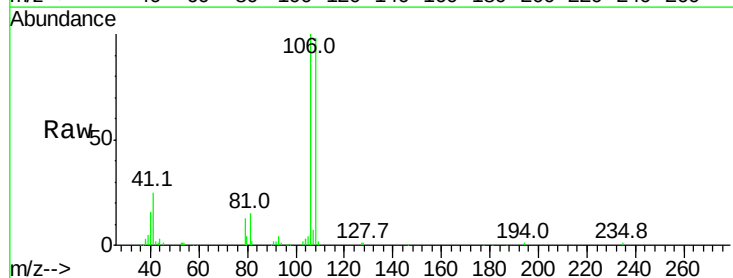
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

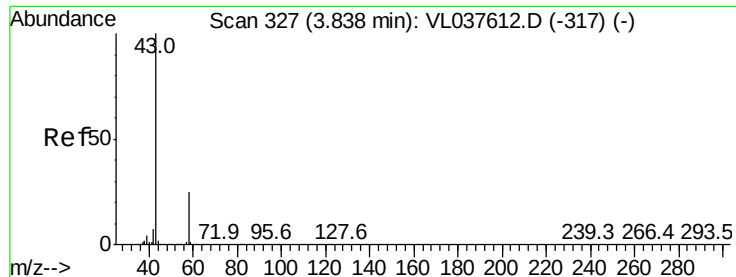
Tgt Ion: 45 Resp: 6994
Ion Ratio Lower Upper
45 100
46 0.0 17.2 68.8#



#14
Bromoethene
Concen: 1.967 ppbv
RT: 3.73 min Scan# 293
Delta R.T. 0.00 min
Lab File: VL037613.D
Acq: 16 Sep 2021 10:43

Tgt Ion: 108 Resp: 164177
Ion Ratio Lower Upper
108 100
106 111.2 88.2 132.4
79 17.6 12.8 19.2





#15

Acetone

Concen: 1.742 ppbv

RT: 3.84 min Scan# 327

Delta R.T. 0.00 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

Instrument :

MSVOA_L

ClientSampleId :

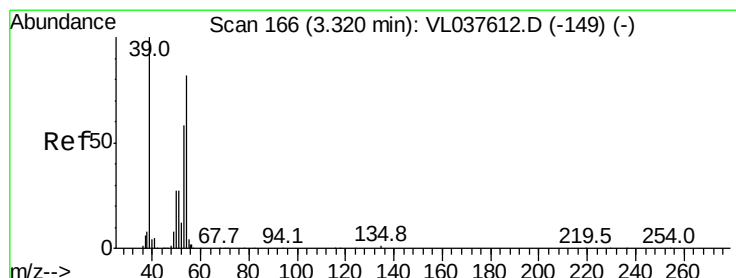
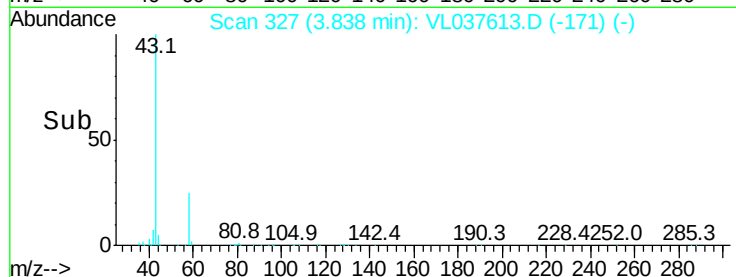
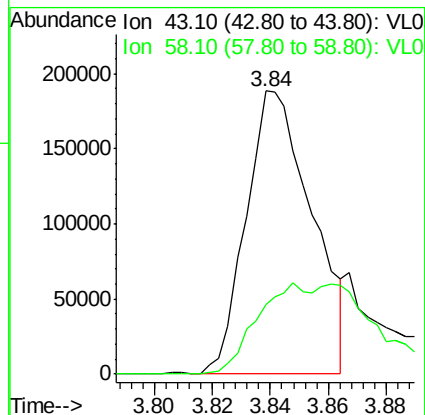
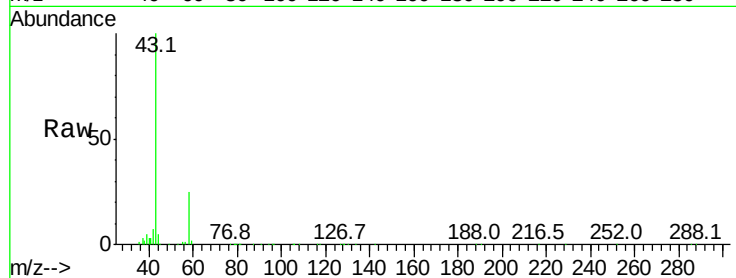
VSTDIC002

Tgt Ion: 43 Resp: 294970

Ion Ratio Lower Upper

43 100

58 63.0 24.9 37.3#



#16

1,3-Butadiene

Concen: 2.033 ppbv

RT: 3.32 min Scan# 165

Delta R.T. -0.00 min

Lab File: VL037613.D

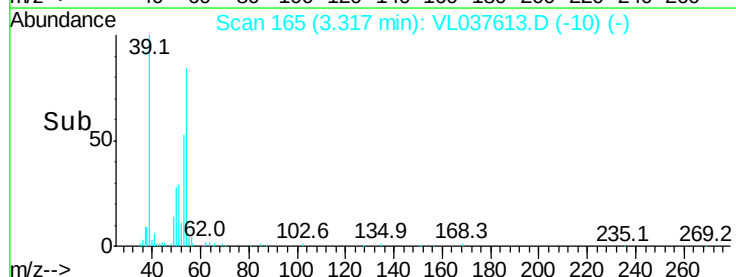
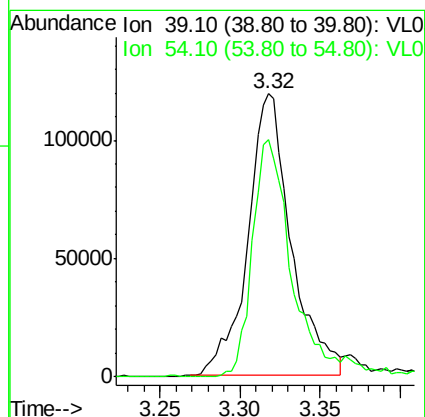
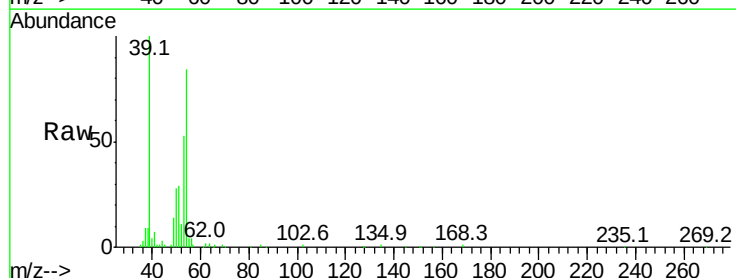
Acq: 16 Sep 2021 10:43

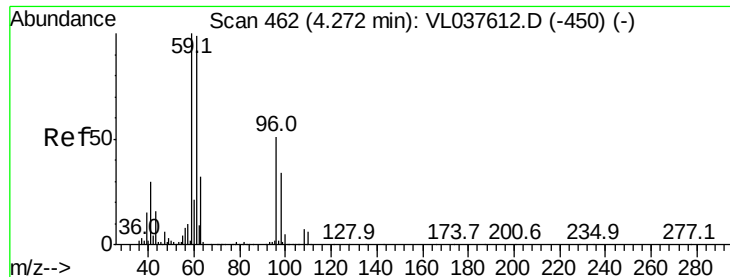
Tgt Ion: 39 Resp: 220774

Ion Ratio Lower Upper

39 100

54 79.8 62.6 93.8





#17

tert-Butyl alcohol

Concen: 1.684 ppbv

RT: 4.28 min Scan# 464

Delta R.T. 0.01 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

Instrument :

MSVOA_L

ClientSampleId :

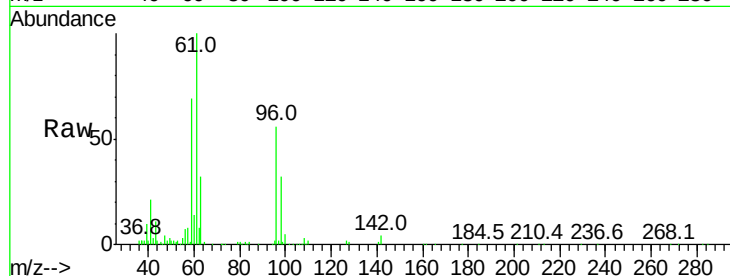
VSTDIC002

Tgt Ion: 59 Resp: 260427

Ion Ratio Lower Upper

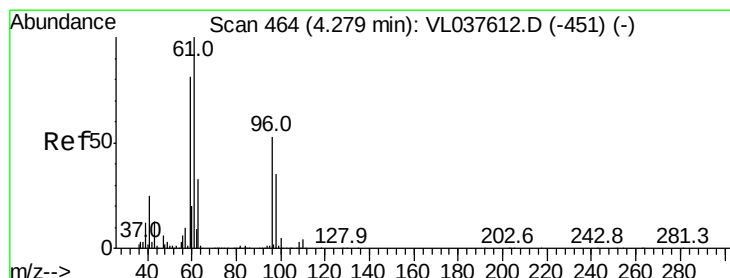
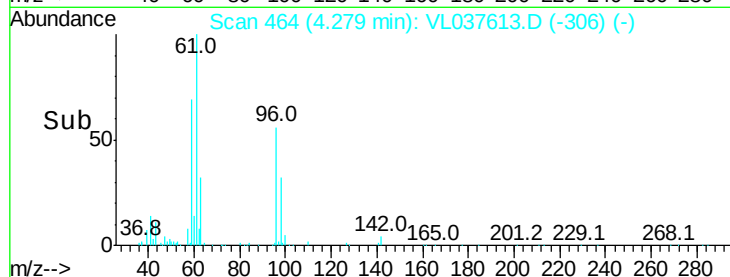
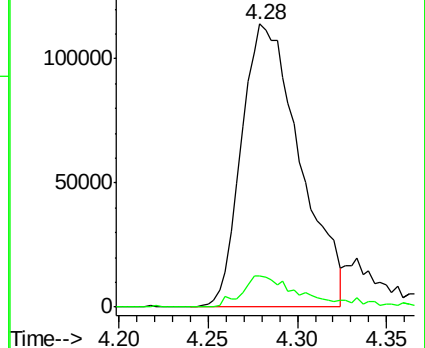
59 100

57 12.1 8.4 12.6



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 1.986 ppbv

RT: 4.28 min Scan# 463

Delta R.T. -0.00 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

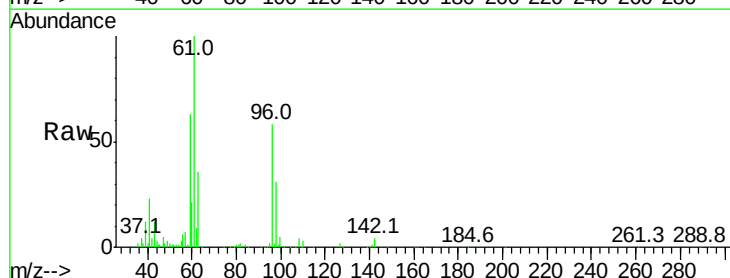
Tgt Ion: 96 Resp: 165906

Ion Ratio Lower Upper

96 100

61 171.6 150.4 225.6

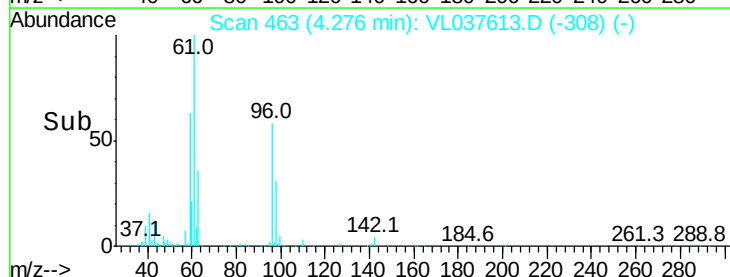
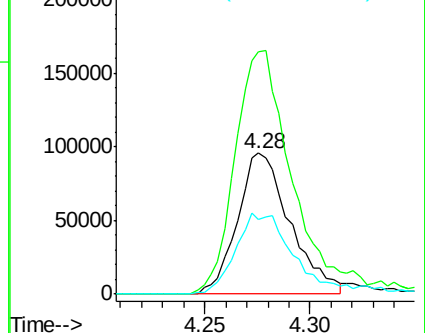
98 52.5 52.1 78.1

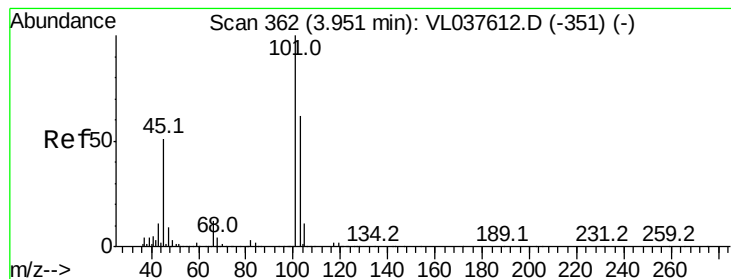


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 0.221 ppbv

RT: 3.99 min Scan# 375

Delta R.T. 0.04 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

Instrument :

MSVOA_L

ClientSampleId :

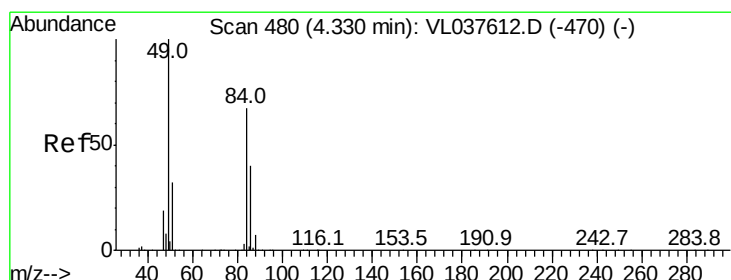
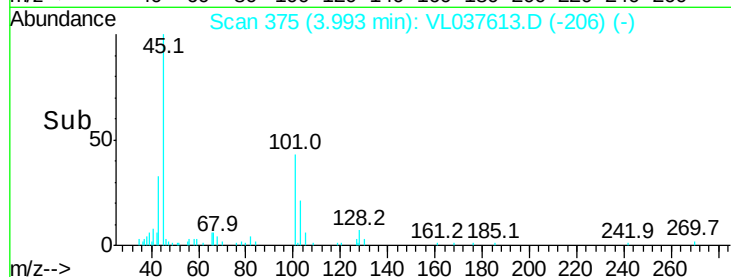
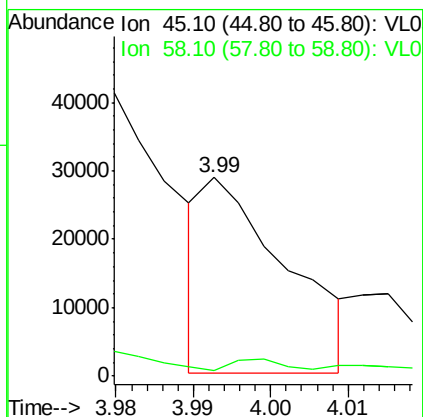
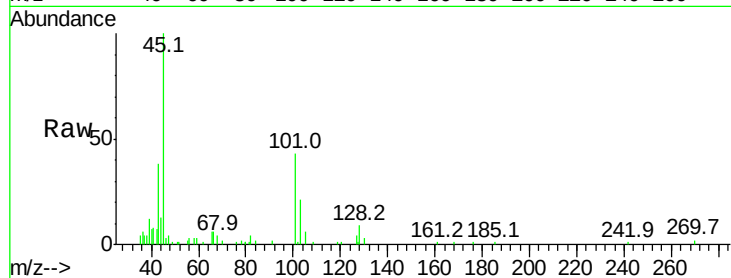
VSTDIC002

Tgt Ion: 45 Resp: 21474

Ion Ratio Lower Upper

45 100

58 49.5 2.9 4.3#



#20

Methylene Chloride

Concen: 1.881 ppbv

RT: 4.33 min Scan# 480

Delta R.T. 0.00 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

Tgt Ion: 84 Resp: 159448

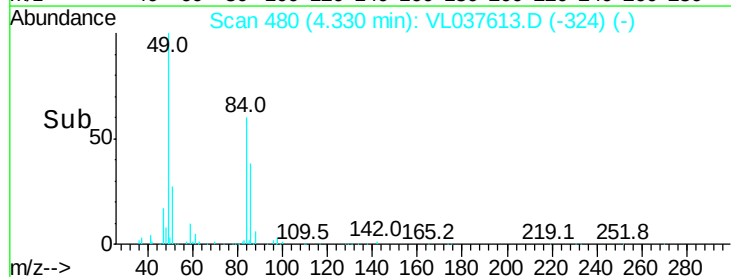
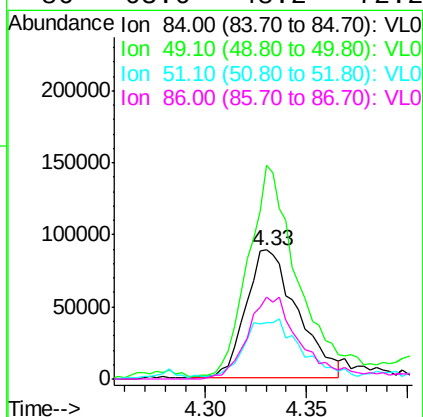
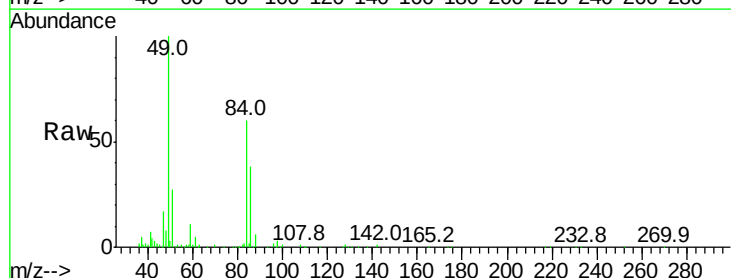
Ion Ratio Lower Upper

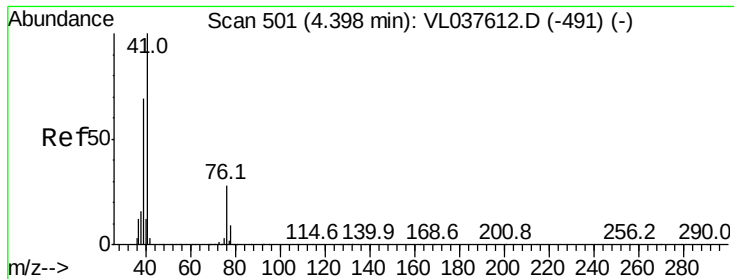
84 100

49 164.6 120.0 180.0

51 43.1 38.0 57.0

86 63.6 48.2 72.2

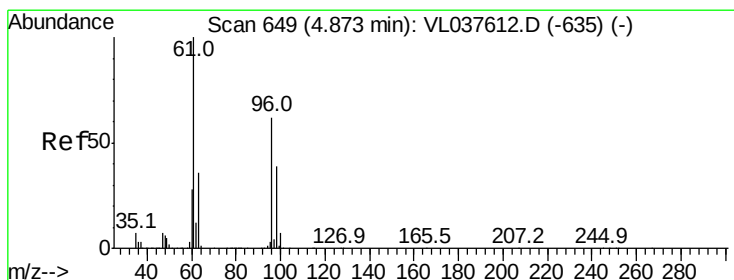
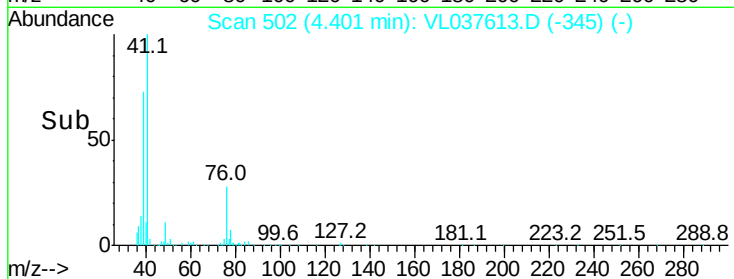
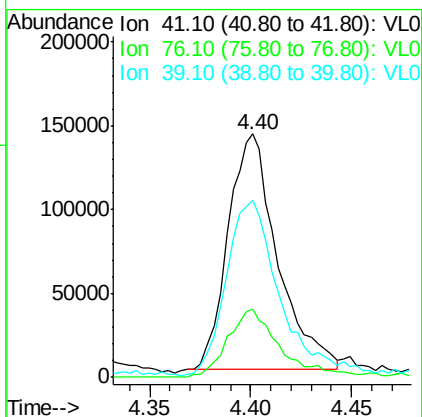
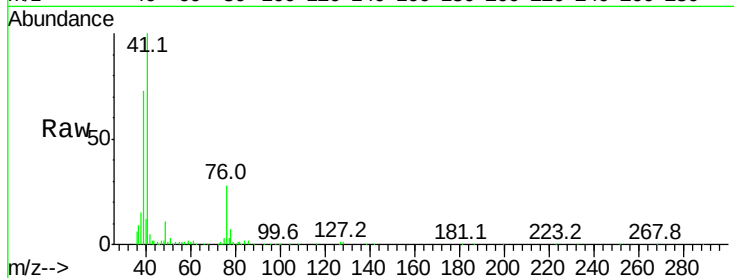




#21
 Allyl Chloride
 Concen: 1.747 ppbv
 RT: 4.40 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VL037613.D
 Acq: 16 Sep 2021 10:43

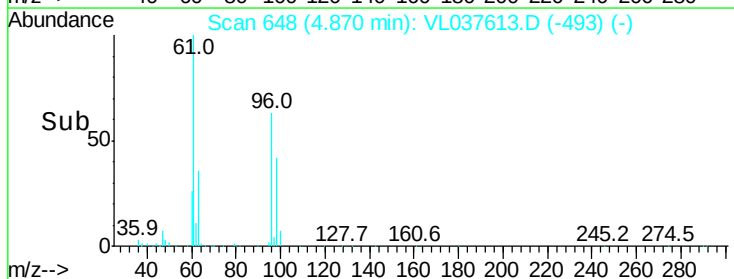
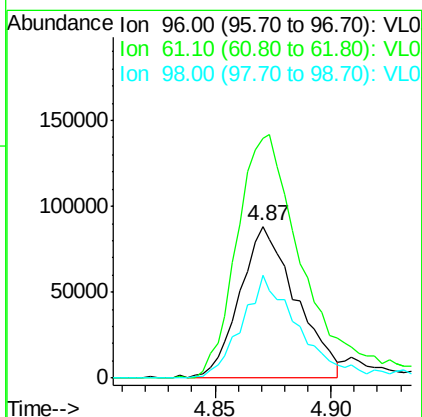
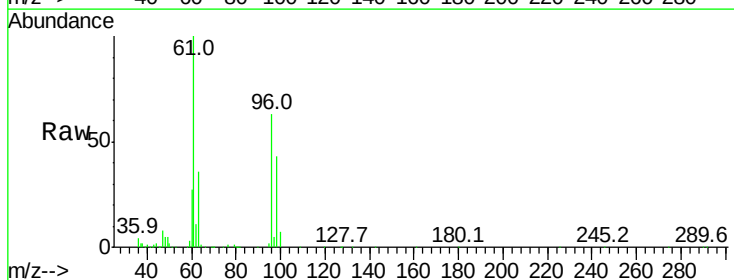
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

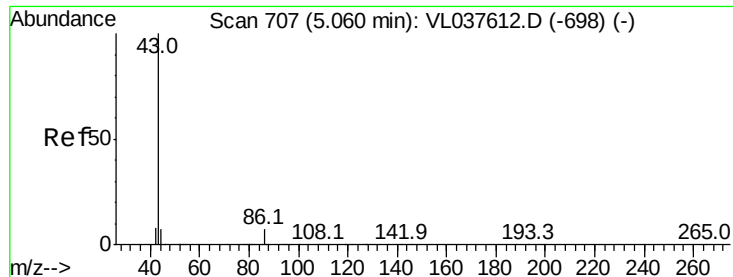
Tgt Ion	Ratio	Lower	Upper
41	100		
76	30.8	23.1	34.7
39	84.6	61.0	91.6



#22
 trans-1,2-Dichloroethene
 Concen: 1.770 ppbv
 RT: 4.87 min Scan# 648
 Delta R.T. -0.00 min
 Lab File: VL037613.D
 Acq: 16 Sep 2021 10:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.3	129.2	193.8
98	67.7	50.4	75.6





#23

Vinyl Acetate

Concen: 2.011 ppbv

RT: 5.06 min Scan# 707

Delta R.T. 0.00 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 43 Resp: 501795

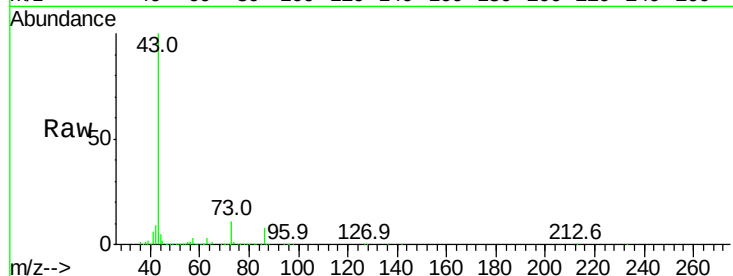
Ion Ratio Lower Upper

43 100

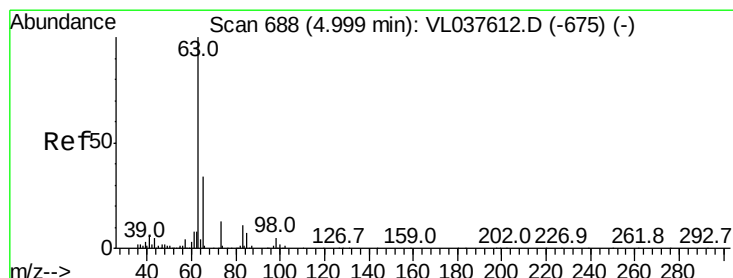
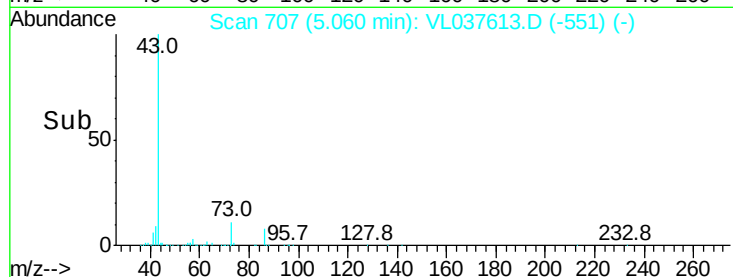
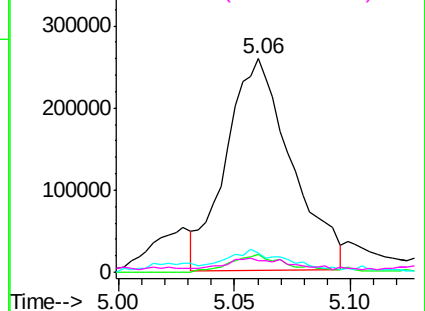
86 9.3 5.0 7.6#

42 8.8 7.5 11.3

44 3.8 4.7 7.1#



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: 1.825 ppbv

RT: 5.00 min Scan# 688

Delta R.T. 0.00 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

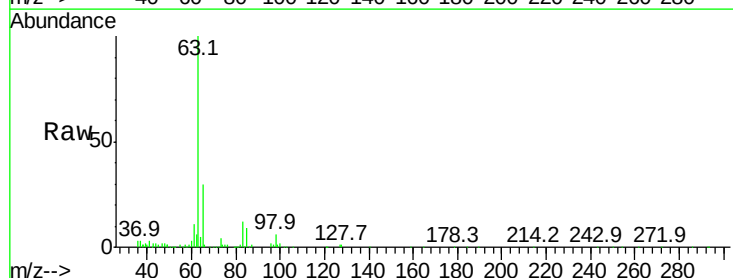
Tgt Ion: 63 Resp: 330301

Ion Ratio Lower Upper

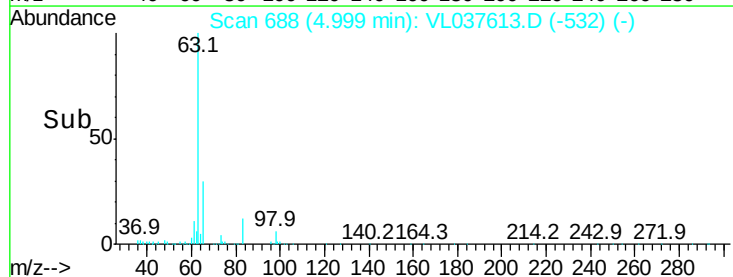
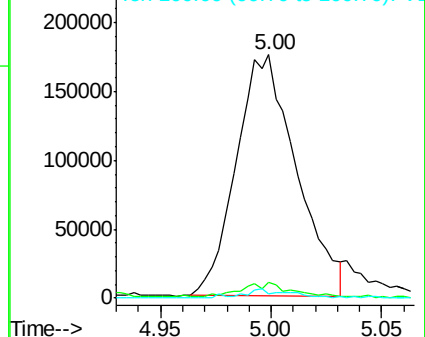
63 100

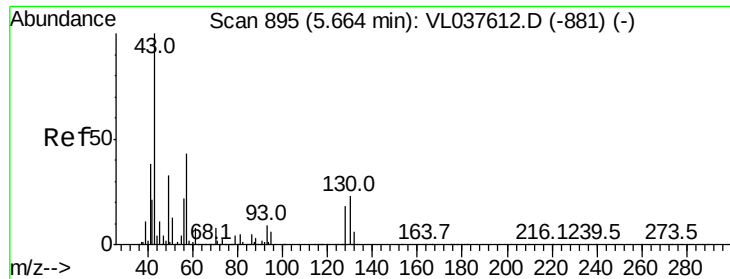
98 5.5 2.4 7.2

100 1.9 1.1 3.5



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

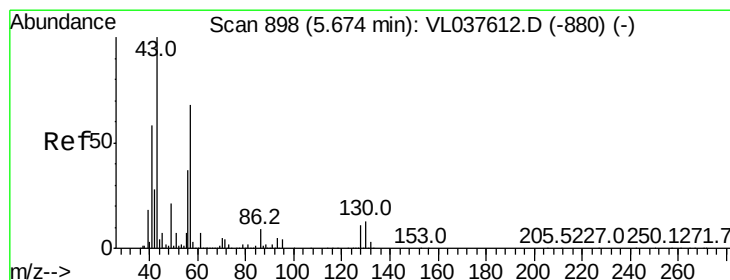
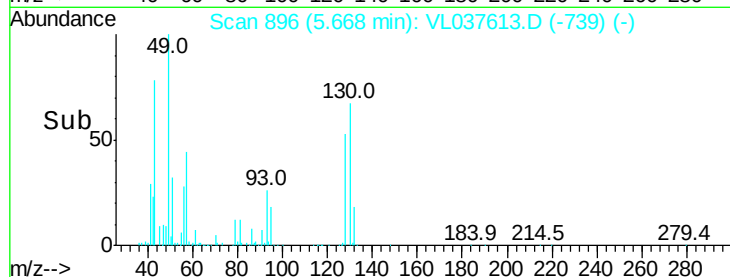
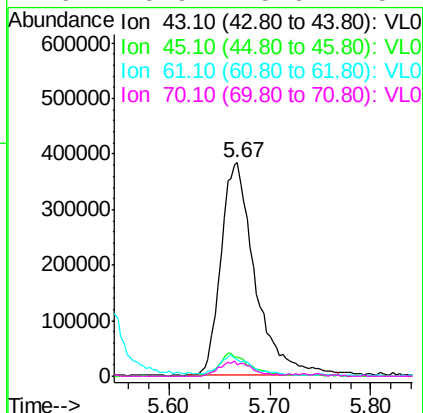
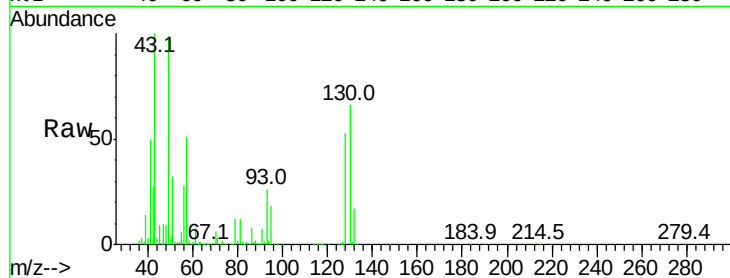




#25
Ethyl Acetate
Concen: 2.110 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.00 min
Lab File: VL037613.D
Acq: 16 Sep 2021 10:43

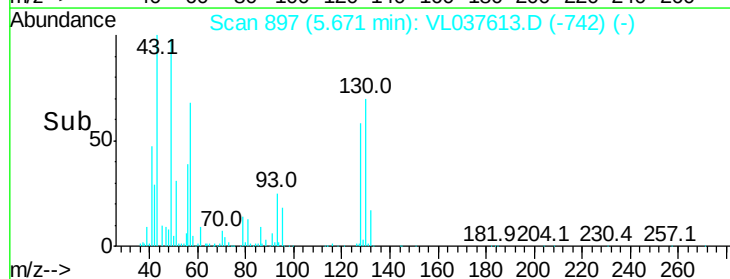
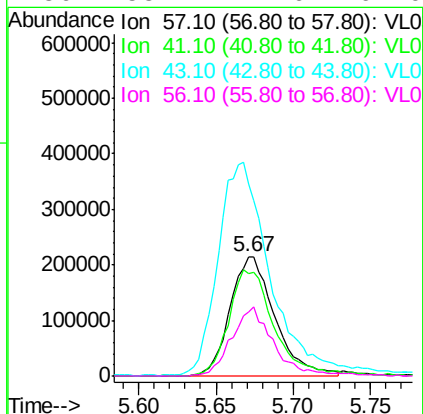
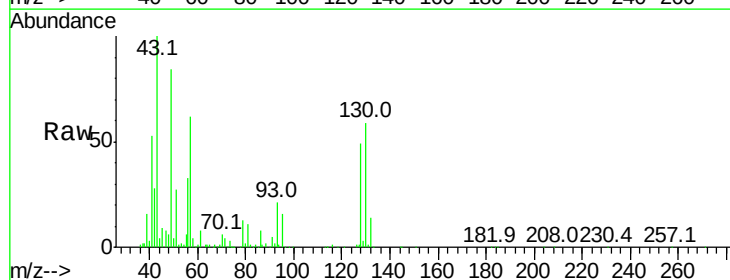
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

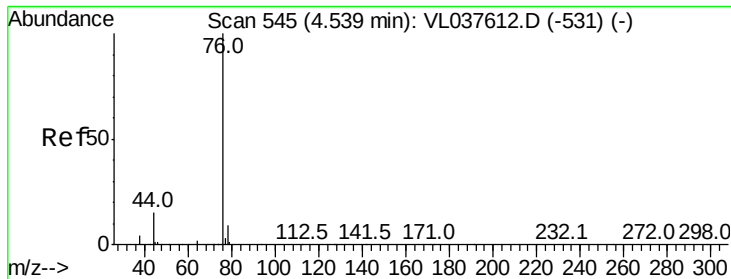
Tgt Ion:	43	Resp:	906959
Ion	Ratio	Lower	Upper
43	100		
45	10.5	8.0	12.0
61	8.9	7.5	11.3
70	6.9	5.6	8.4



#26
Hexane
Concen: 2.039 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.00 min
Lab File: VL037613.D
Acq: 16 Sep 2021 10:43

Tgt Ion:	57	Resp:	428489
Ion	Ratio	Lower	Upper
57	100		
41	93.4	70.9	106.3
43	215.9	170.4	255.6
56	55.1	42.6	64.0





#27

Carbon Disulfide

Concen: 1.801 ppbv

RT: 4.54 min Scan# 545

Delta R.T. 0.00 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

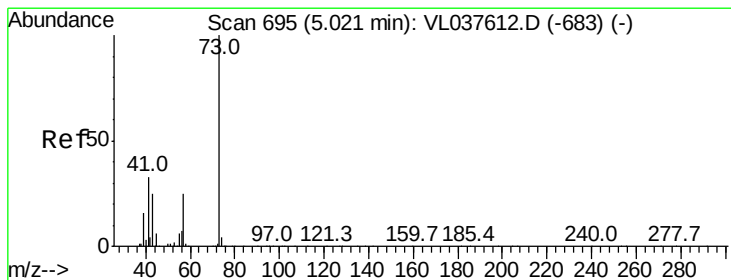
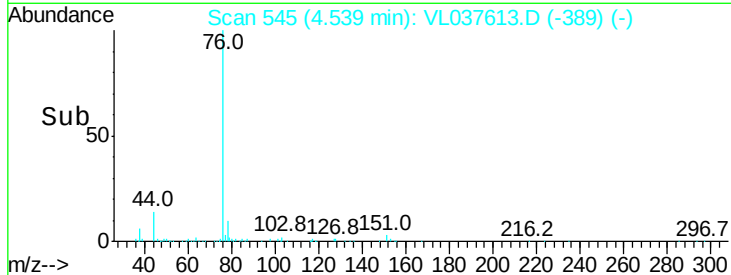
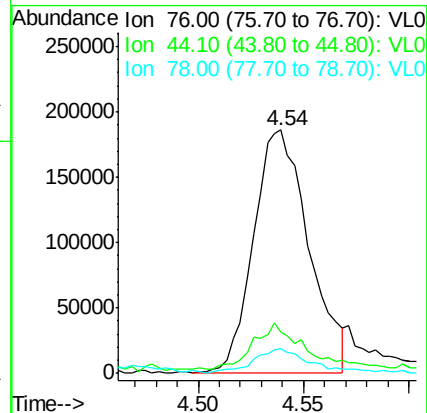
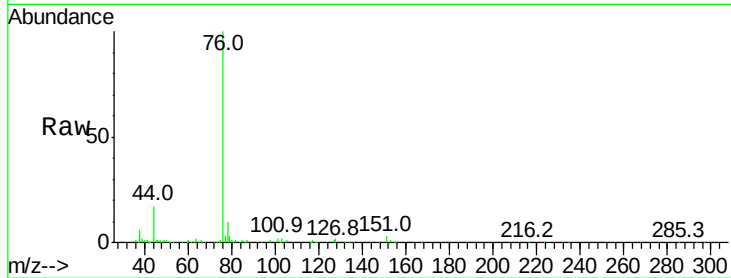
Tgt Ion: 76 Resp: 337331

Ion Ratio Lower Upper

76 100

44 25.7 14.2 21.2#

78 11.6 7.4 11.0#



#28

Methyl tert-Butyl Ether

Concen: 2.009 ppbv

RT: 5.03 min Scan# 697

Delta R.T. 0.01 min

Lab File: VL037613.D

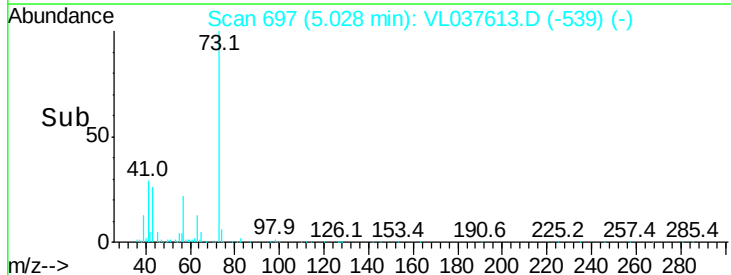
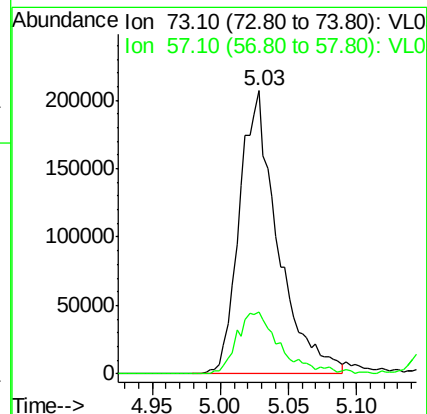
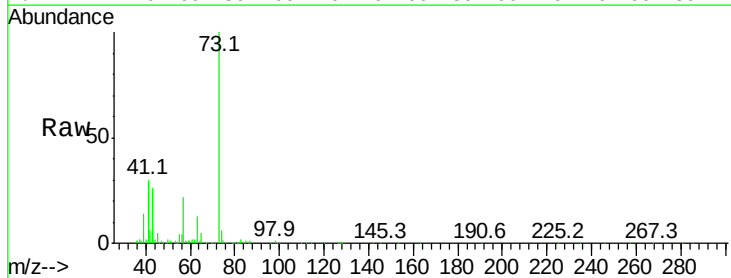
Acq: 16 Sep 2021 10:43

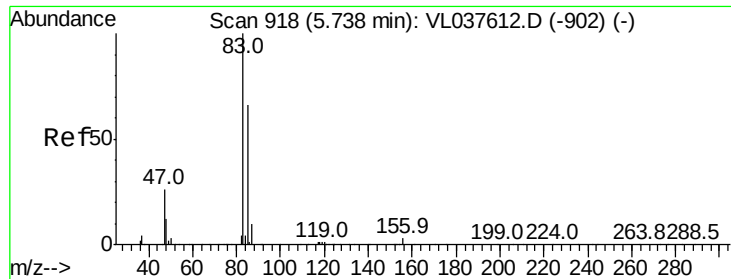
Tgt Ion: 73 Resp: 405458

Ion Ratio Lower Upper

73 100

57 24.5 20.1 30.1

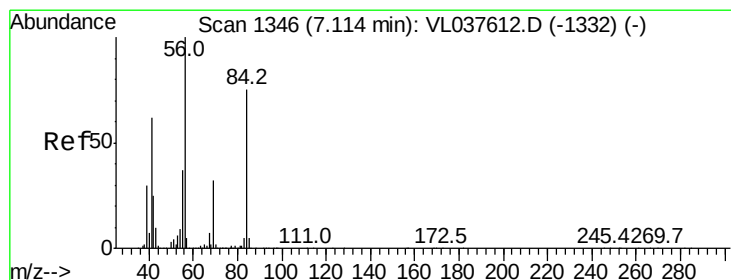
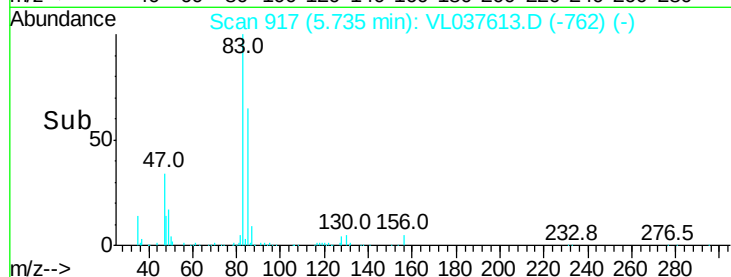
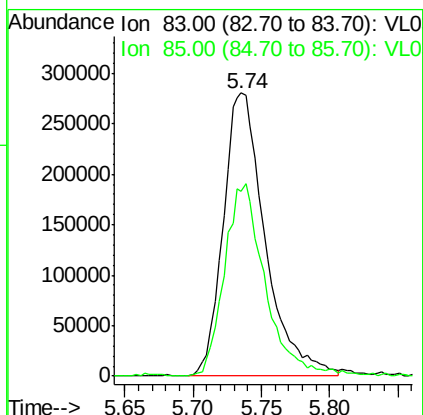
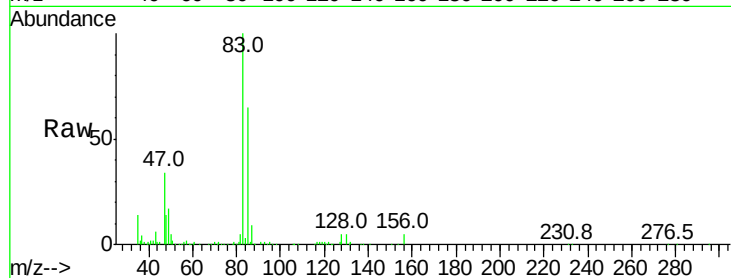




#29
Chloroform
Concen: 2.005 ppbv
RT: 5.74 min Scan# 917
Delta R.T. -0.00 min
Lab File: VL037613.D
Acq: 16 Sep 2021 10:43

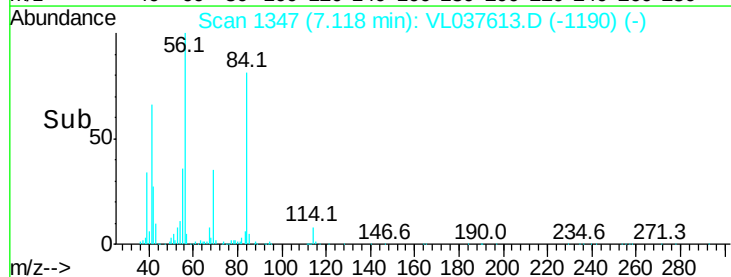
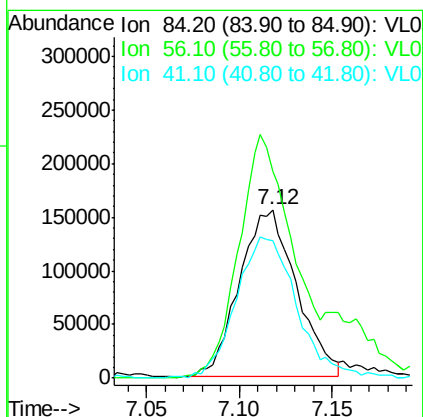
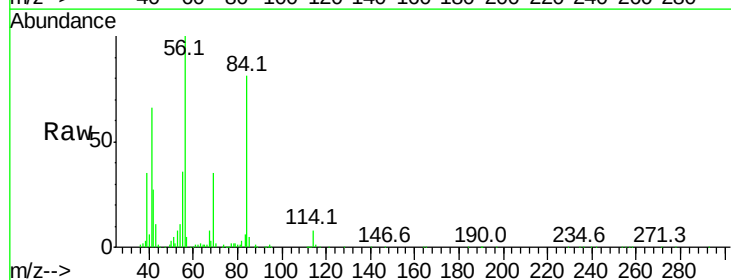
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

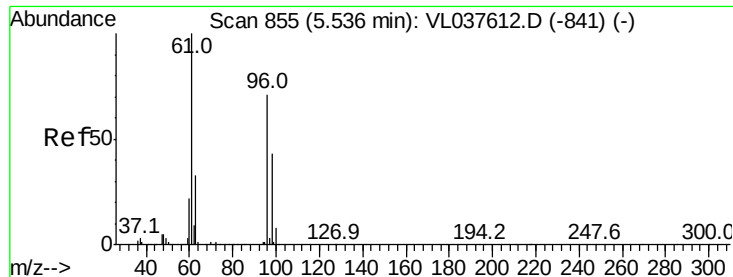
Tgt Ion: 83 Resp: 597247
Ion Ratio Lower Upper
83 100
85 65.2 52.6 79.0



#30
Cyclohexane
Concen: 1.897 ppbv
RT: 7.12 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VL037613.D
Acq: 16 Sep 2021 10:43

Tgt Ion: 84 Resp: 332225
Ion Ratio Lower Upper
84 100
56 172.3 113.6 170.4#
41 89.5 67.9 101.9



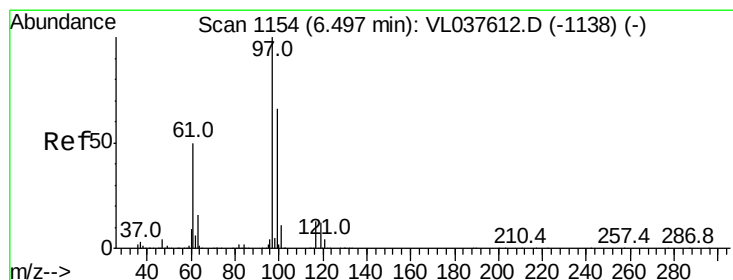
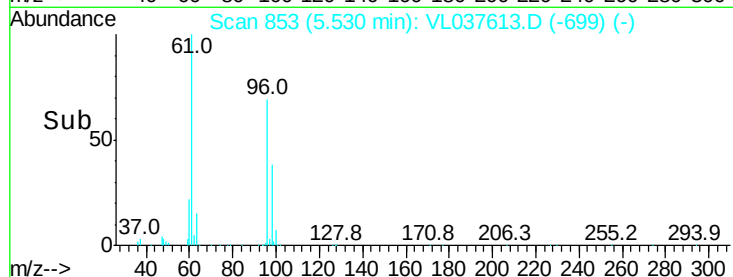
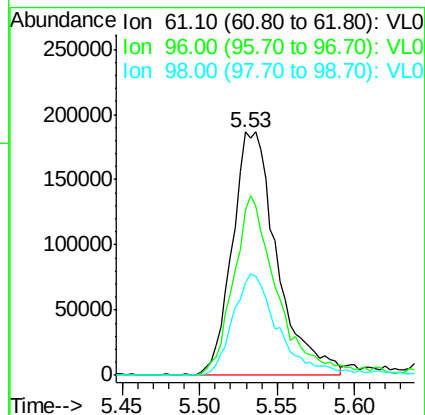
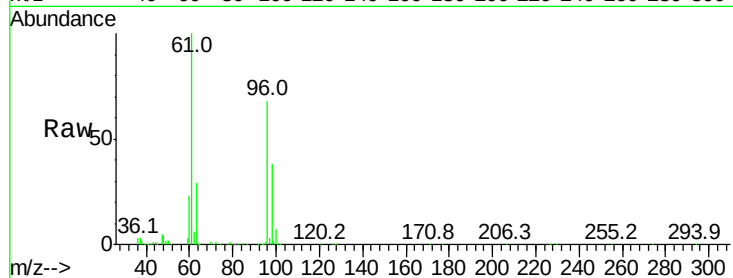


#31

cis-1,2-Dichloroethene
 Concen: 1.978 ppbv
 RT: 5.53 min Scan# 853
 Delta R.T. -0.01 min
 Lab File: VL037613.D
 Acq: 16 Sep 2021 10:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

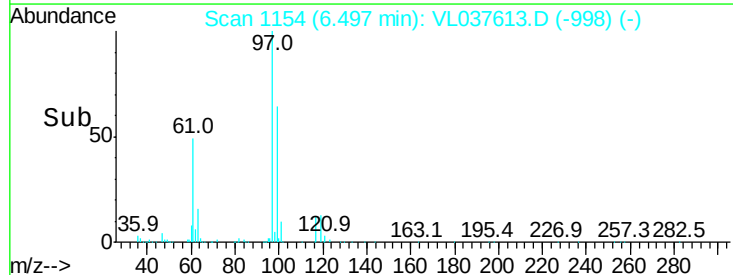
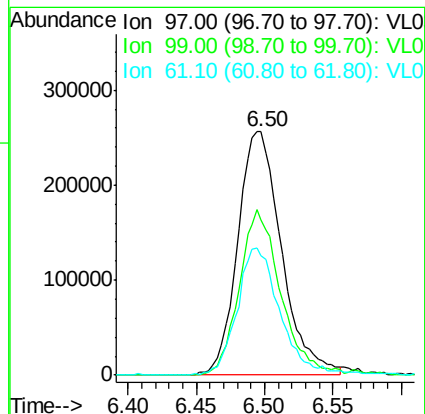
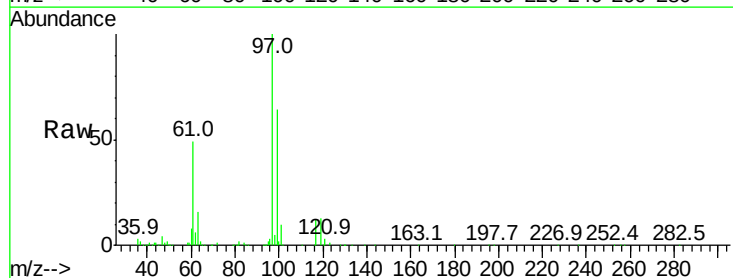
Tgt Ion	Ratio	Lower	Upper
61	100		
96	67.4	56.7	85.1
98	38.0	34.6	52.0

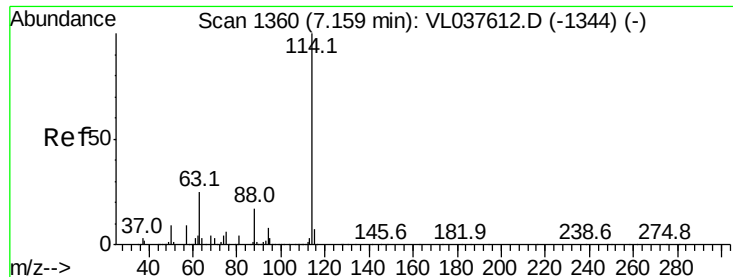


#32

1,1,1-Trichloroethane
 Concen: 1.954 ppbv
 RT: 6.50 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VL037613.D
 Acq: 16 Sep 2021 10:43

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	52.3	78.5
61	52.0	39.5	59.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

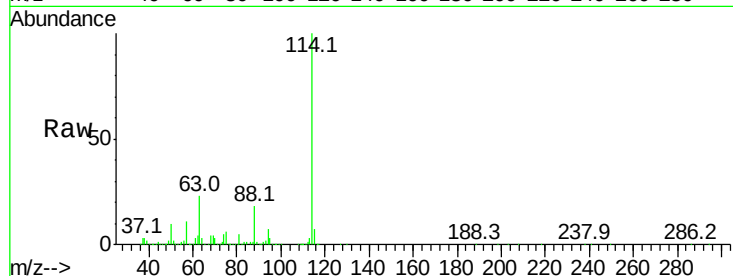
Tgt Ion:114 Resp: 4778708

Ion Ratio Lower Upper

114 100

63 24.0 19.6 29.4

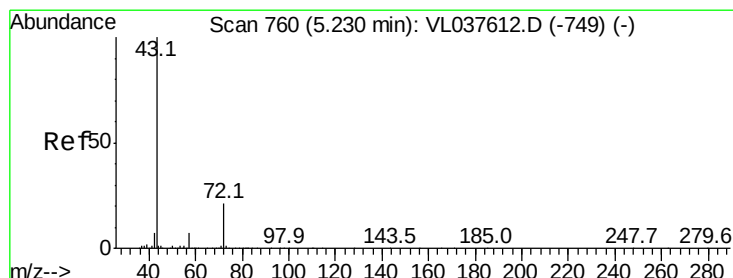
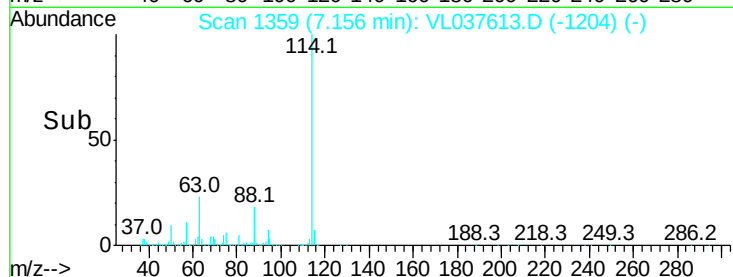
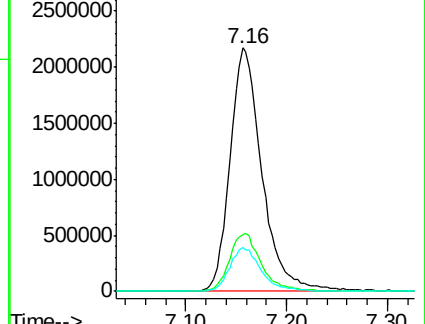
88 18.0 14.2 21.4



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 2.032 ppbv

RT: 5.23 min Scan# 760

Delta R.T. 0.00 min

Lab File: VL037613.D

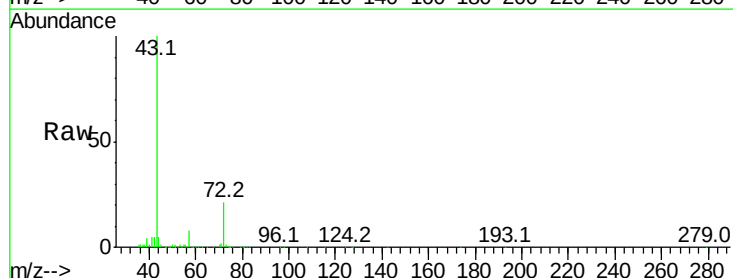
Acq: 16 Sep 2021 10:43

Tgt Ion: 43 Resp: 396550

Ion Ratio Lower Upper

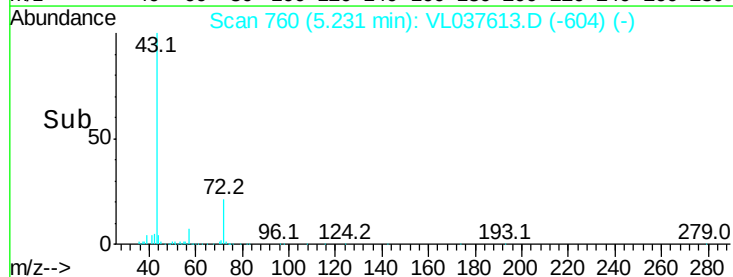
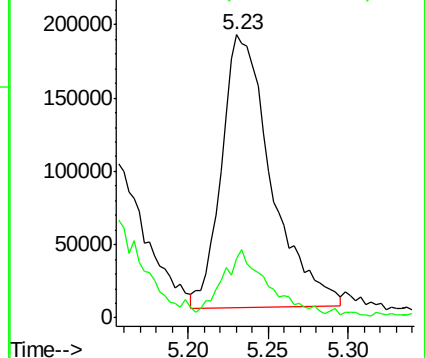
43 100

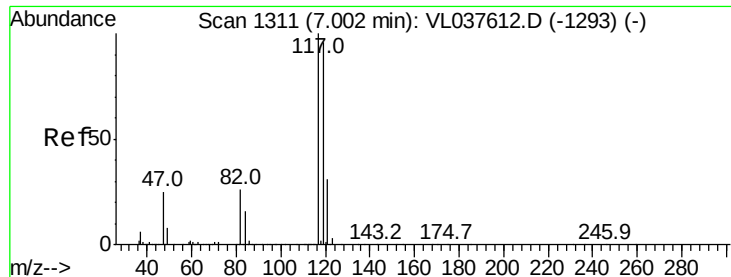
72 25.4 18.4 27.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 2.036 ppbv

RT: 7.00 min Scan# 1310

Delta R.T. -0.00 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

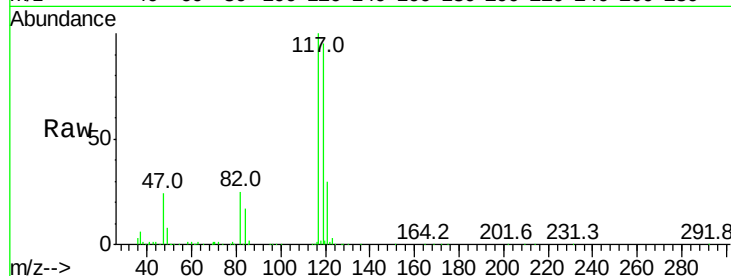
Tgt Ion:117 Resp: 575073

Ion Ratio Lower Upper

117 100

119 94.6 77.0 115.6

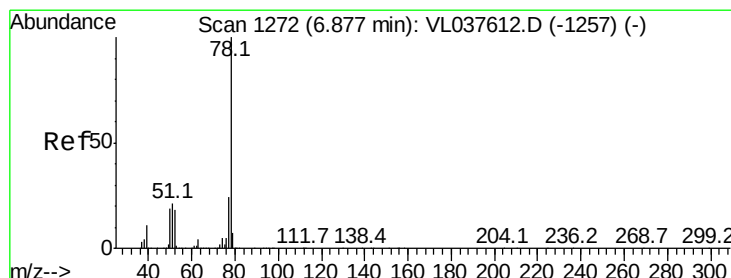
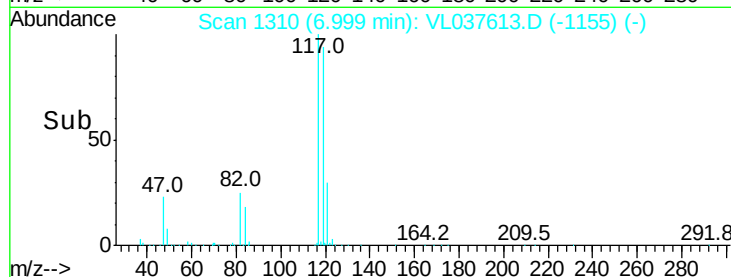
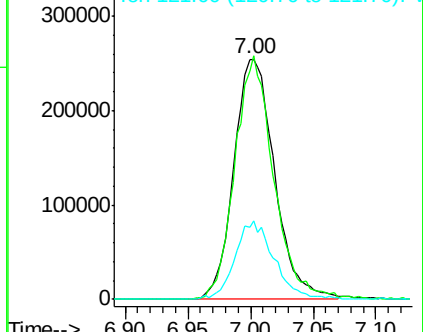
121 29.8 24.5 36.7



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: 2.140 ppbv

RT: 6.87 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

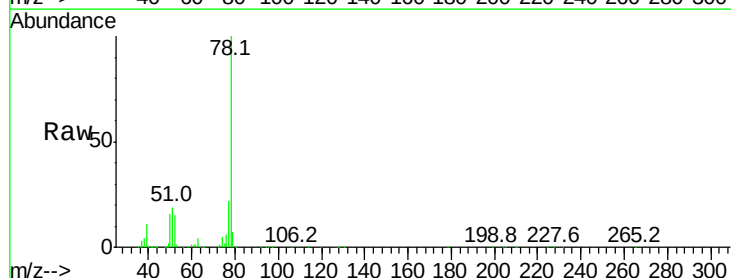
Tgt Ion: 78 Resp: 859577

Ion Ratio Lower Upper

78 100

77 21.7 19.0 28.4

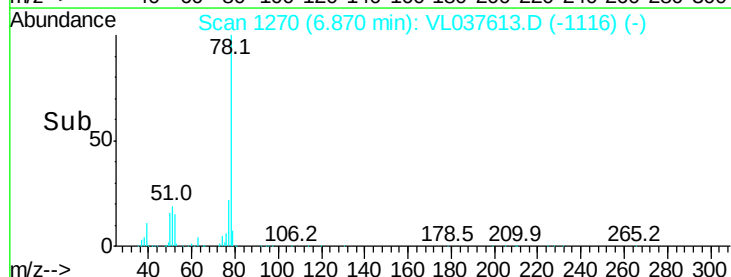
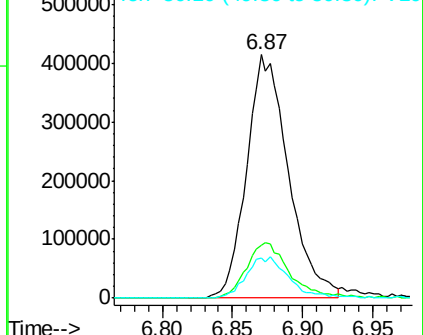
50 16.4 14.8 22.2

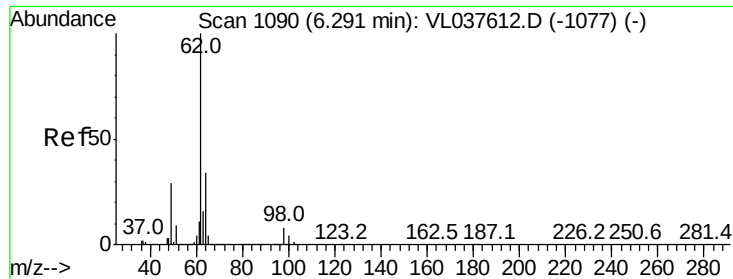


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

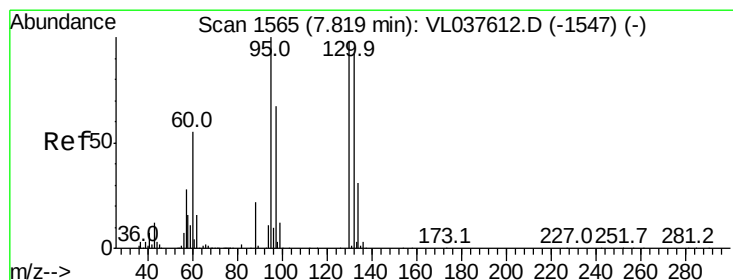
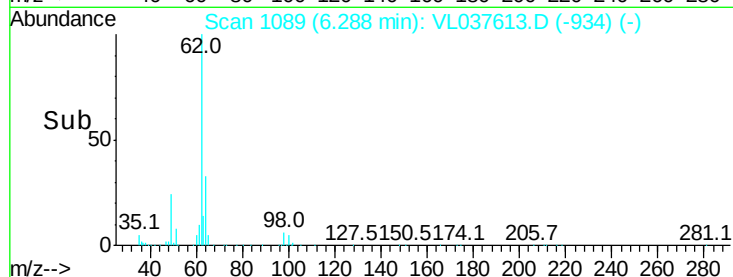
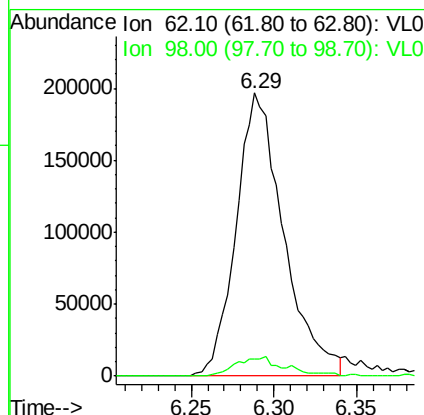
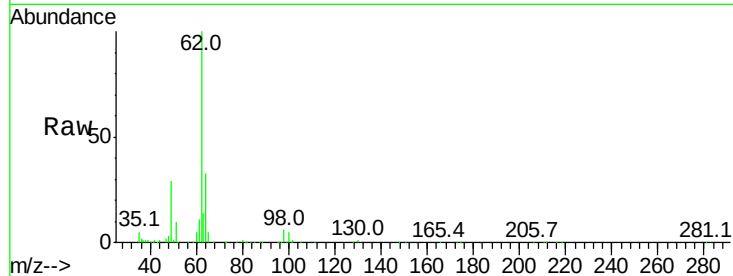




#37
 1,2-Dichloroethane
 Concen: 1.974 ppbv
 RT: 6.29 min Scan# 1089
 Delta R.T. -0.00 min
 Lab File: VL037613.D
 Acq: 16 Sep 2021 10:43

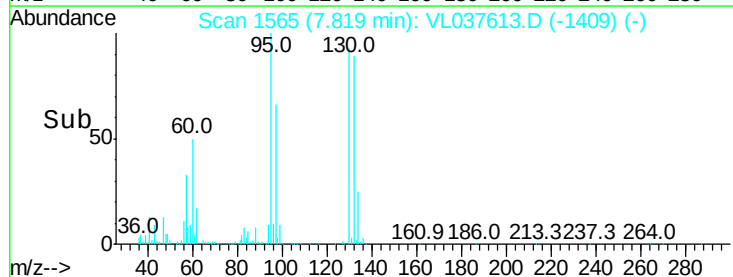
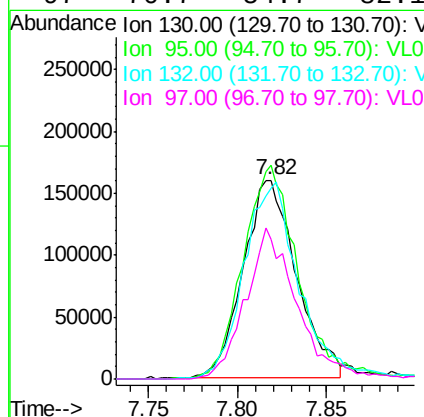
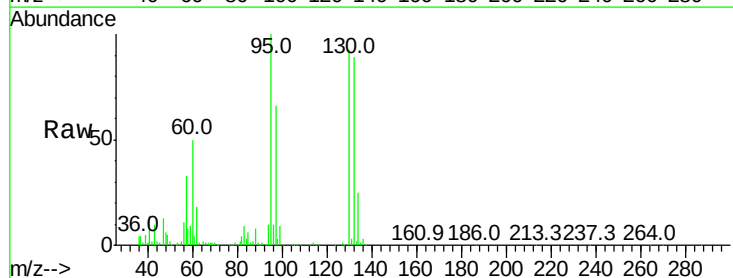
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

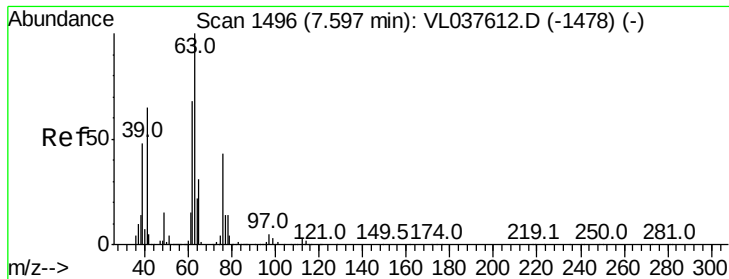
Tgt Ion: 62 Resp: 392898
 Ion Ratio Lower Upper
 62 100
 98 7.2 6.1 9.1



#38
 Trichloroethene
 Concen: 2.019 ppbv
 RT: 7.82 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VL037613.D
 Acq: 16 Sep 2021 10:43

Tgt Ion: 130 Resp: 332721
 Ion Ratio Lower Upper
 130 100
 95 107.7 81.8 122.6
 132 96.2 75.3 112.9
 97 70.7 54.7 82.1





#39

1,2-Dichloropropane

Concen: 2.058 ppbv

RT: 7.59 min Scan# 1495

Delta R.T. -0.00 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

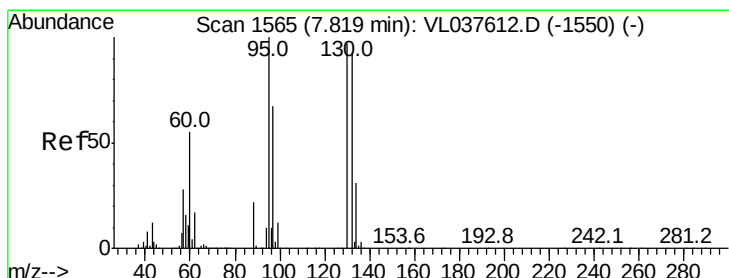
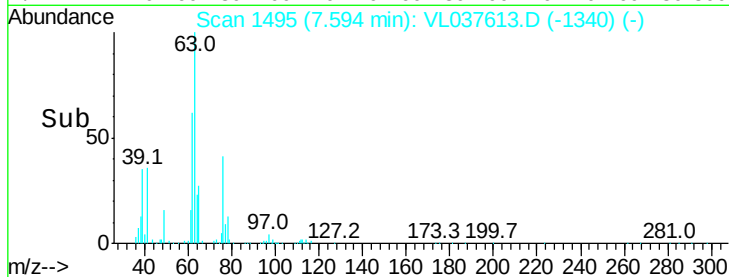
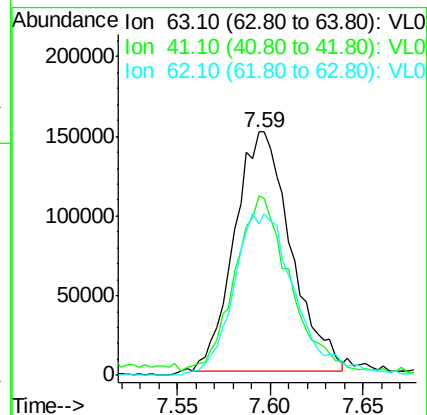
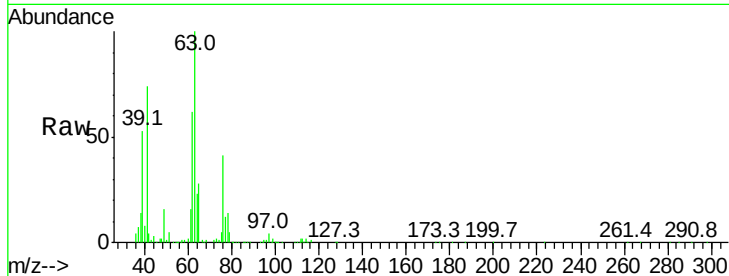
Tgt Ion: 63 Resp: 317711

Ion Ratio Lower Upper

63 100

41 71.6 51.6 77.4

62 61.5 54.6 81.8



#40

1,4-Dioxane

Concen: 0.841 ppbv

RT: 7.83 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

Tgt Ion: 88 Resp: 31808

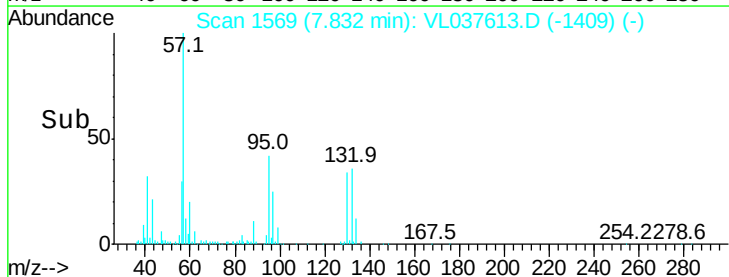
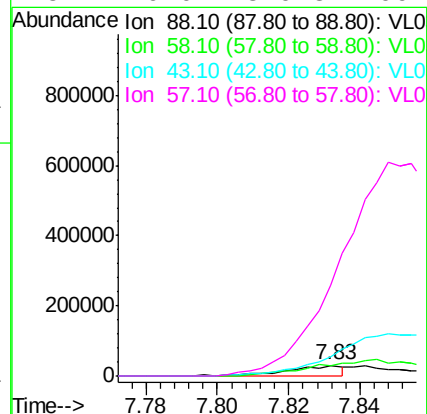
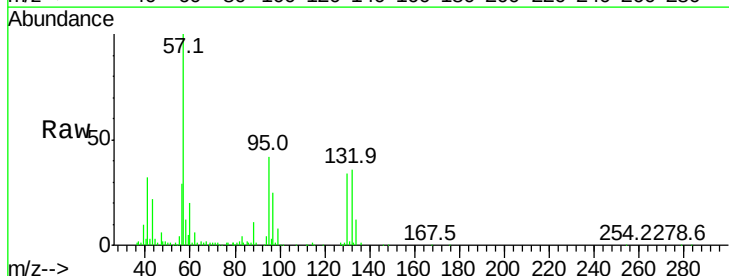
Ion Ratio Lower Upper

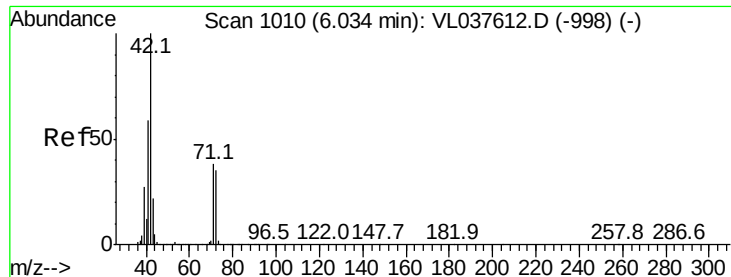
88 100

58 0.0 122.4 183.6#

43 0.0 297.4 446.0#

57 0.0 1329.8 1994.8#





#41

Tetrahydrofuran

Concen: 1.911 ppbv

RT: 6.05 min Scan# 1014

Delta R.T. 0.01 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

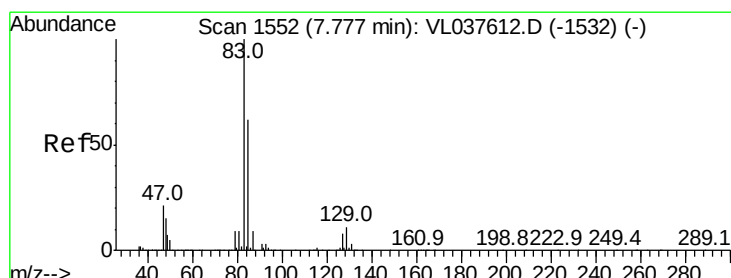
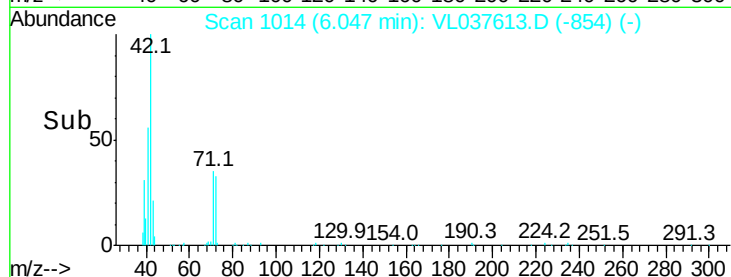
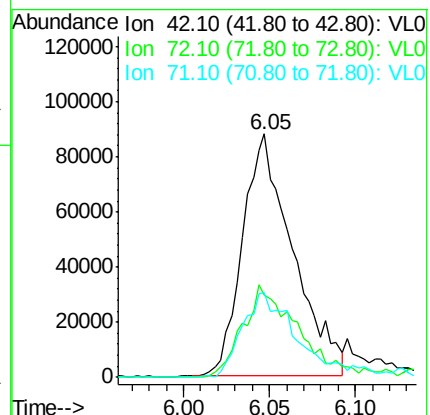
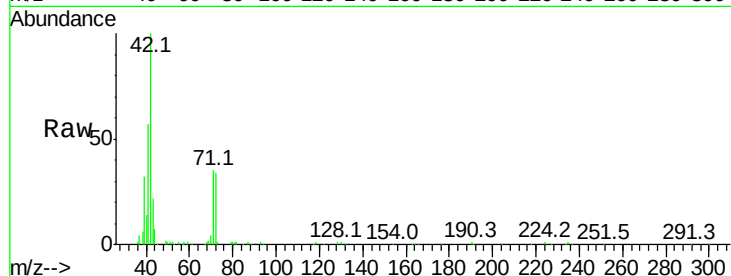
Tgt Ion: 42 Resp: 179651

Ion Ratio Lower Upper

42 100

72 41.8 31.4 47.2

71 40.6 30.6 46.0



#42

Bromodichloromethane

Concen: 2.029 ppbv

RT: 7.77 min Scan# 1551

Delta R.T. -0.00 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

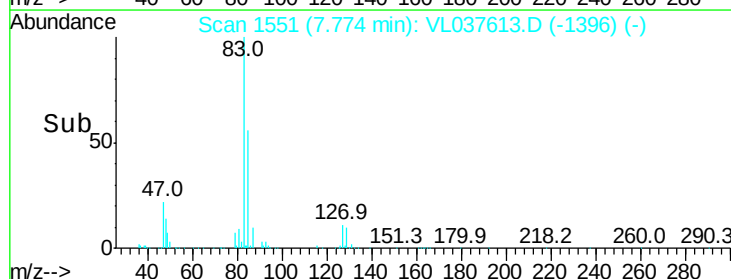
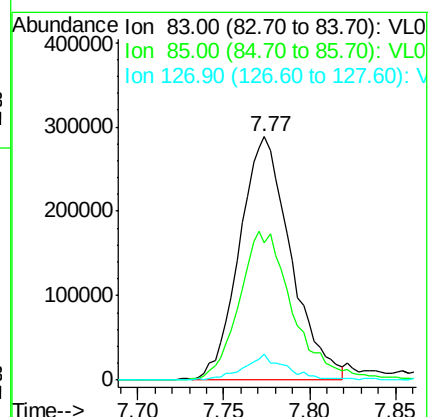
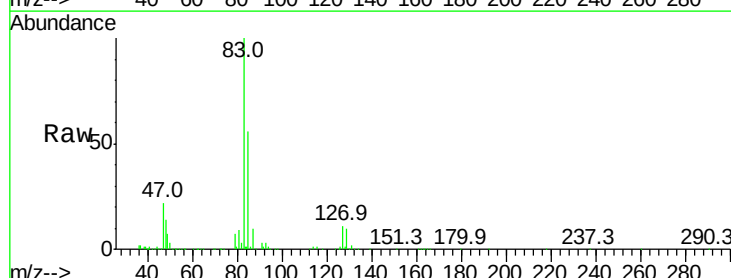
Tgt Ion: 83 Resp: 590480

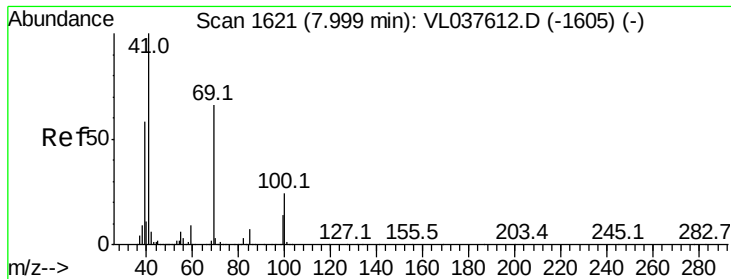
Ion Ratio Lower Upper

83 100

85 55.7 49.8 74.6

127 10.6 6.4 9.6#

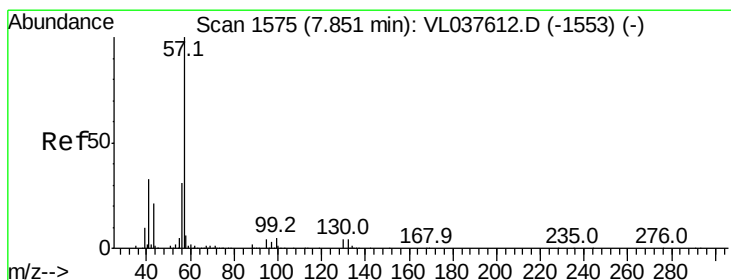
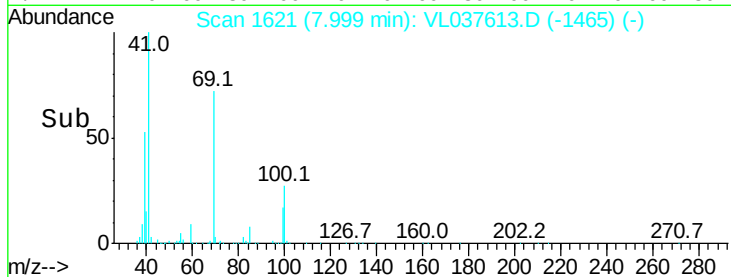
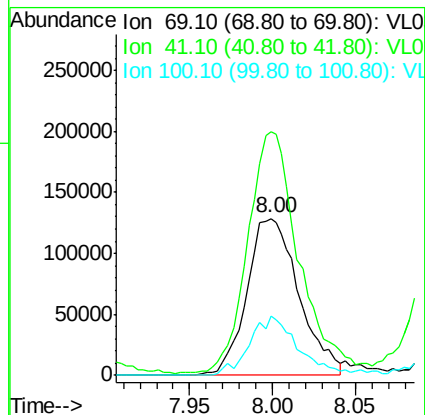
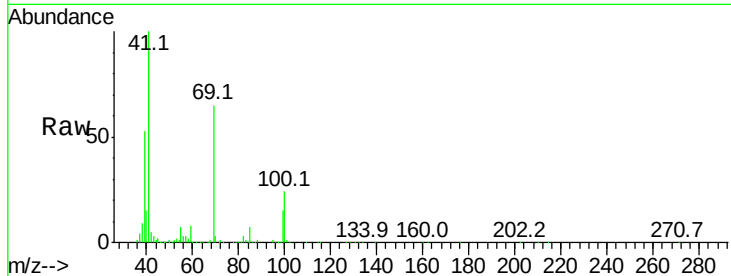




#43
Methyl Methacrylate
Concen: 2.006 ppbv
RT: 8.00 min Scan# 1621
Delta R.T. 0.00 min
Lab File: VL037613.D
Acq: 16 Sep 2021 10:43

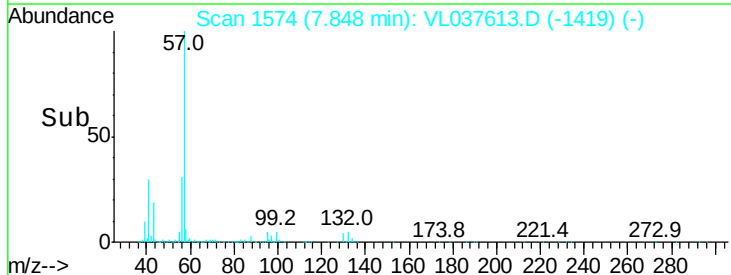
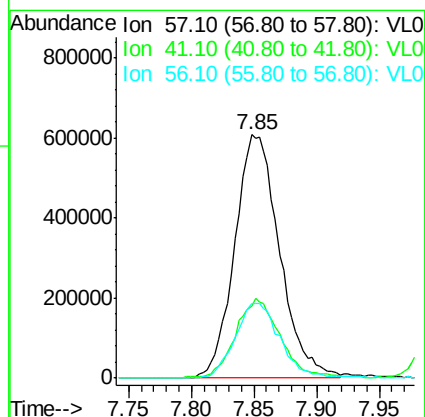
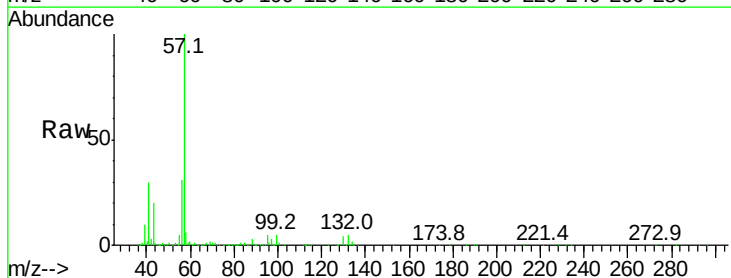
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

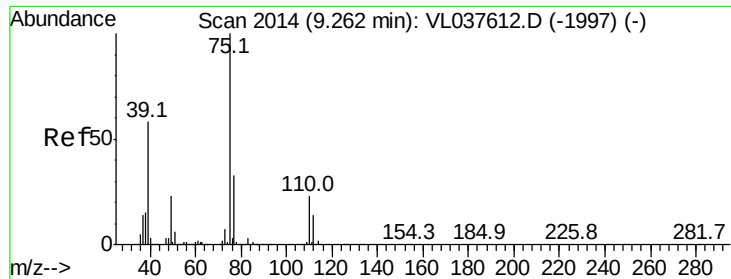
Tgt Ion: 69 Resp: 280818
Ion Ratio Lower Upper
69 100
41 152.7 119.0 178.4
100 36.2 27.6 41.4



#44
2,2,4-Trimethylpentane
Concen: 2.223 ppbv
RT: 7.85 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VL037613.D
Acq: 16 Sep 2021 10:43

Tgt Ion: 57 Resp: 1502759
Ion Ratio Lower Upper
57 100
41 32.3 26.1 39.1
56 31.5 25.7 38.5





#45

t-1,3-Dichloropropene

Concen: 1.996 ppbv

RT: 9.26 min Scan# 2013

Delta R.T. -0.00 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

Instrument :

MSVOA_L

ClientSampleId :

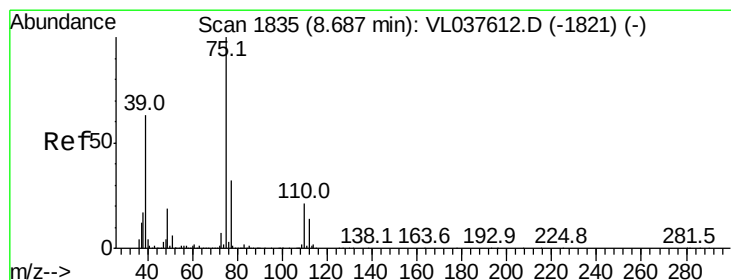
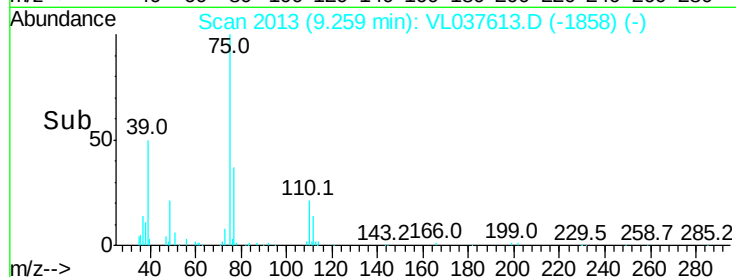
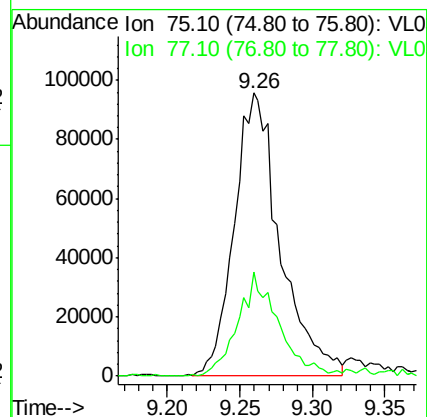
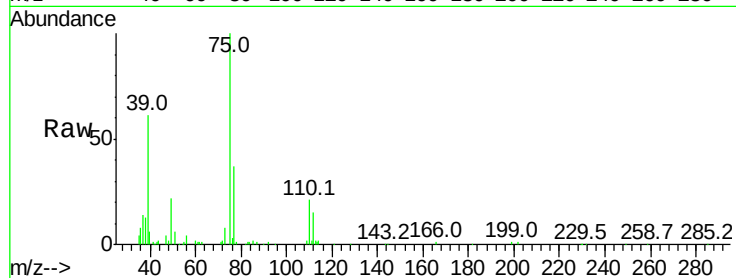
VSTDIC002

Tgt Ion: 75 Resp: 210346

Ion Ratio Lower Upper

75 100

77 36.7 26.3 39.5



#46

cis-1,3-Dichloropropene

Concen: 2.013 ppbv

RT: 8.69 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

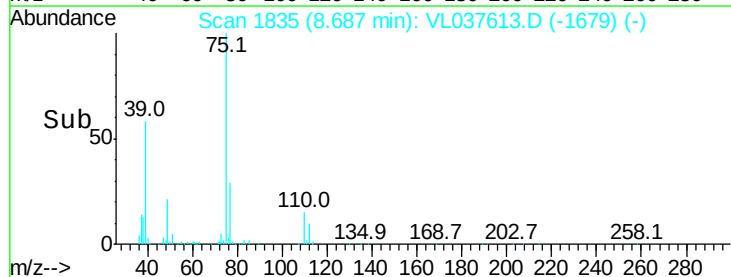
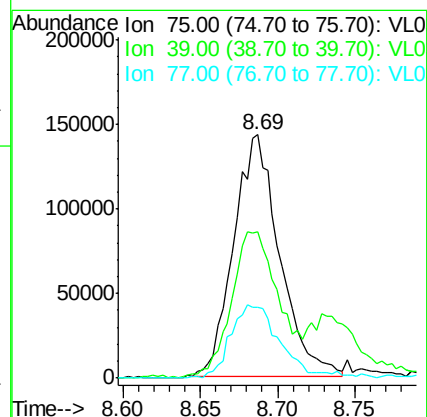
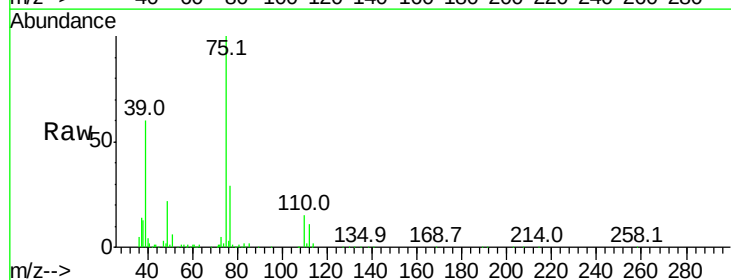
Tgt Ion: 75 Resp: 295909

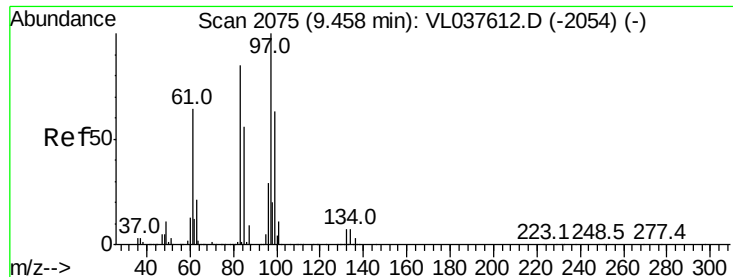
Ion Ratio Lower Upper

75 100

39 58.5 50.2 75.4

77 28.8 25.2 37.8

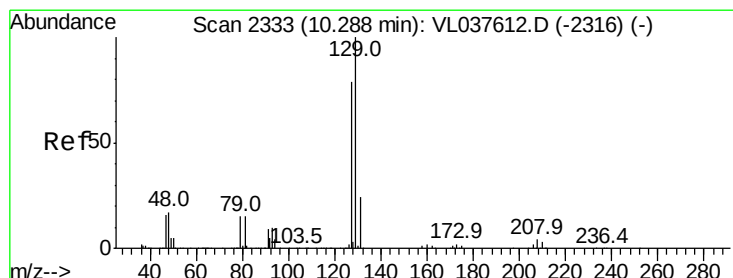
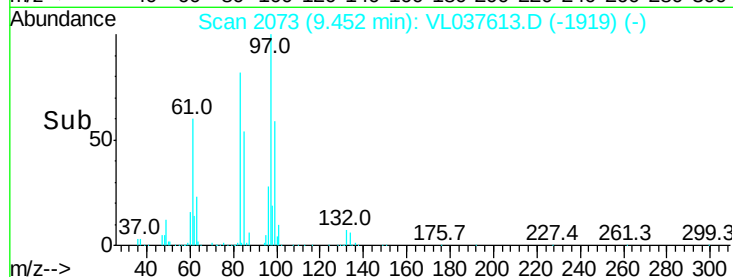
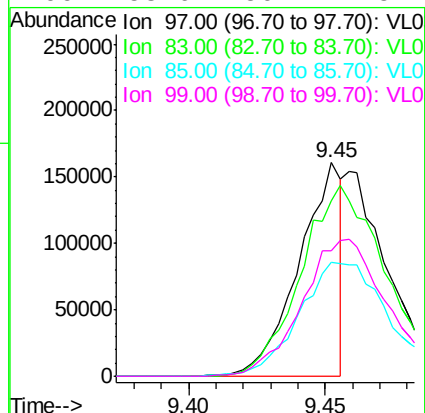
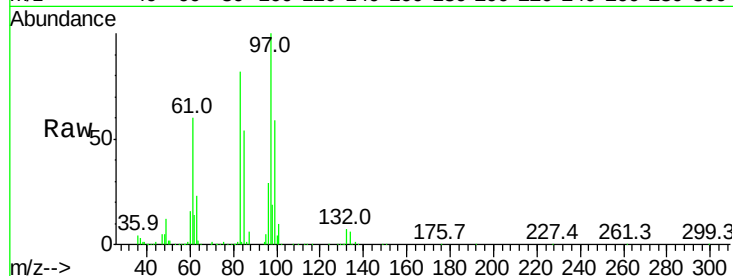




#47
 1,1,2-Trichloroethane
 Concen: 1.051 ppbv
 RT: 9.45 min Scan# 2073
 Delta R.T. -0.01 min
 Lab File: VL037613.D
 Acq: 16 Sep 2021 10:43

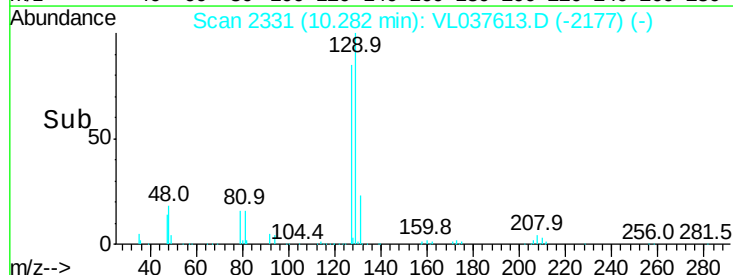
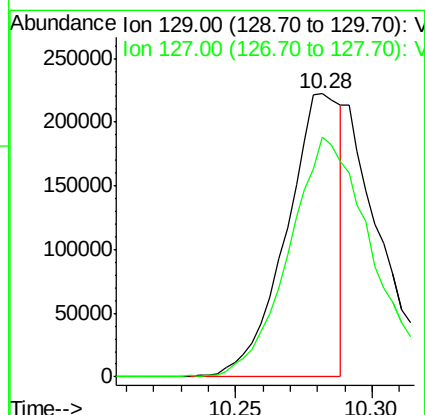
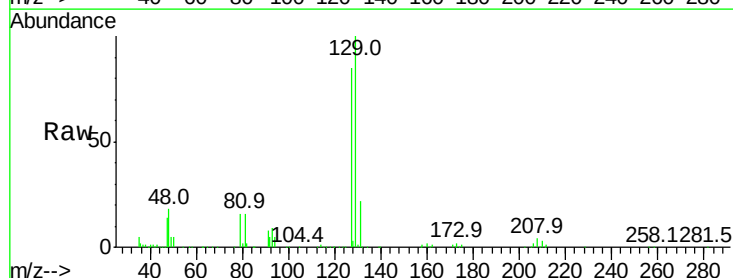
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

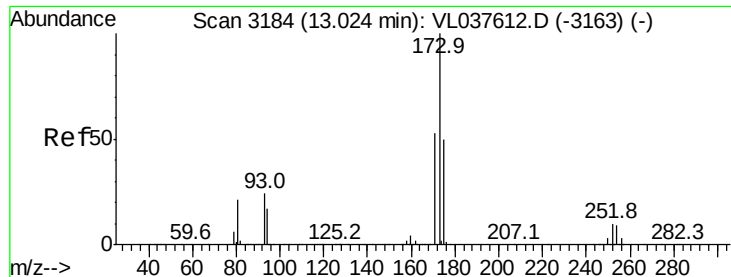
Tgt Ion: 97 Resp: 175220
 Ion Ratio Lower Upper
 97 100
 83 82.0 67.9 101.9
 85 53.6 44.8 67.2
 99 58.6 50.1 75.1



#48
 Dibromochloromethane
 Concen: 1.281 ppbv
 RT: 10.28 min Scan# 2331
 Delta R.T. -0.01 min
 Lab File: VL037613.D
 Acq: 16 Sep 2021 10:43

Tgt Ion: 129 Resp: 307526
 Ion Ratio Lower Upper
 129 100
 127 133.2 39.3 117.8#





#49

Bromoform

Concen: 2.154 ppbv

RT: 13.02 min Scan# 3182

Delta R.T. -0.01 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

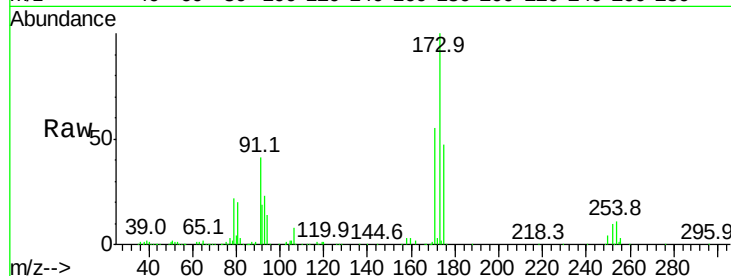
Tgt Ion: 173 Resp: 407549

Ion Ratio Lower Upper

173 100

175 50.9 39.8 59.8

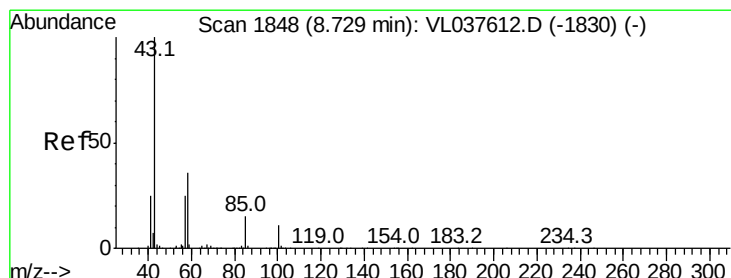
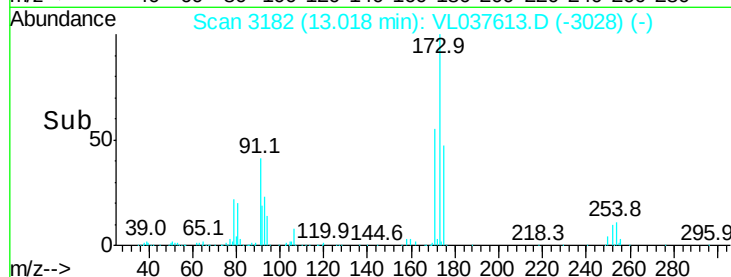
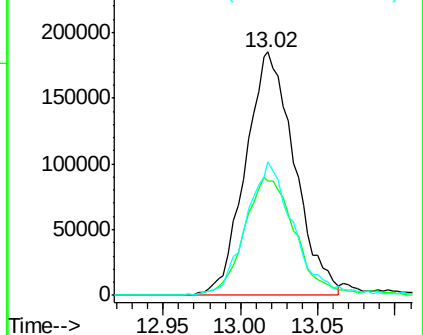
171 54.1 42.2 63.4



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: 2.064 ppbv

RT: 8.74 min Scan# 1850

Delta R.T. 0.01 min

Lab File: VL037613.D

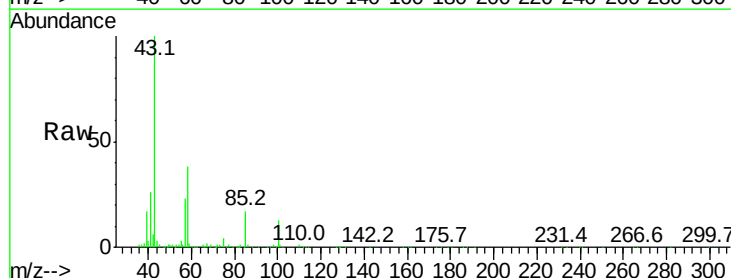
Acq: 16 Sep 2021 10:43

Tgt Ion: 43 Resp: 525405

Ion Ratio Lower Upper

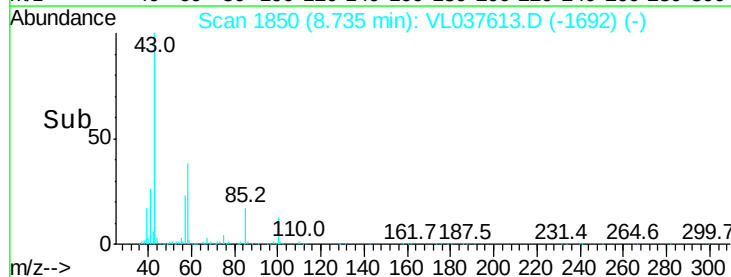
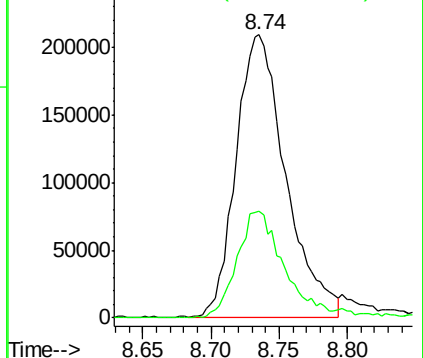
43 100

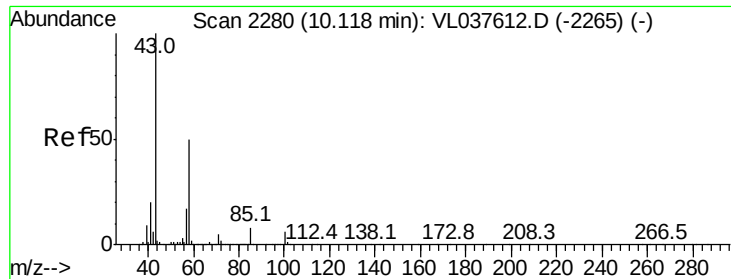
58 37.4 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

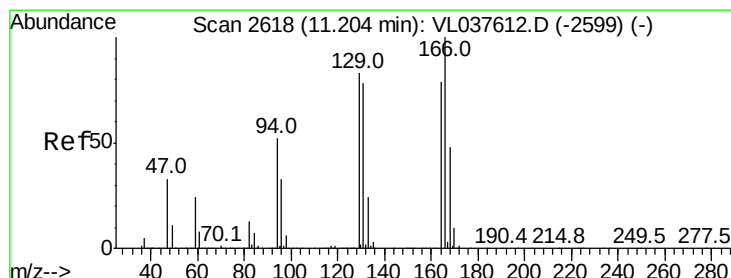
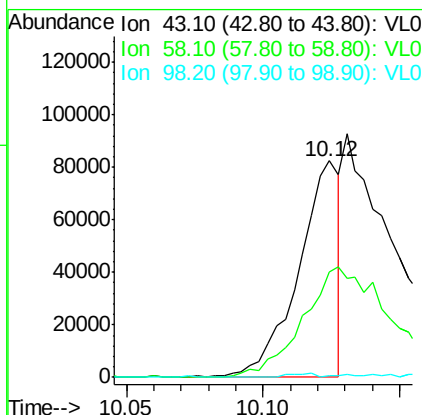
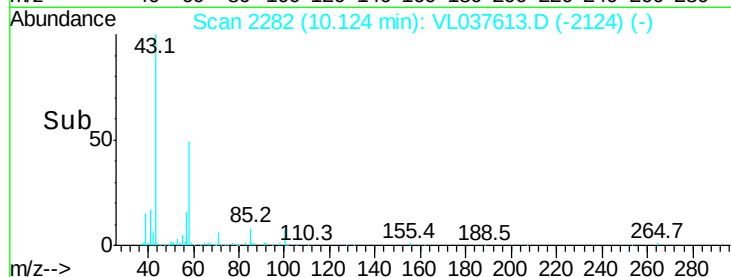
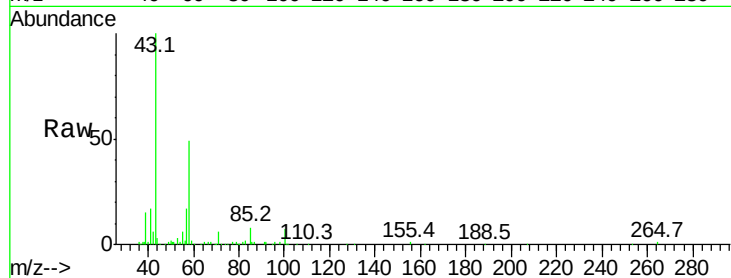




#51
2-Hexanone
Concen: 0.740 ppbv
RT: 10.12 min Scan# 2282
Delta R.T. 0.01 min
Lab File: VL037613.D
Acq: 16 Sep 2021 10:43

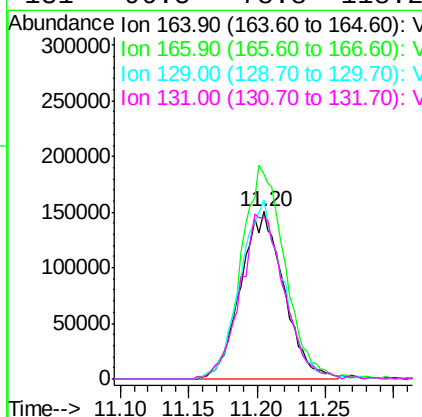
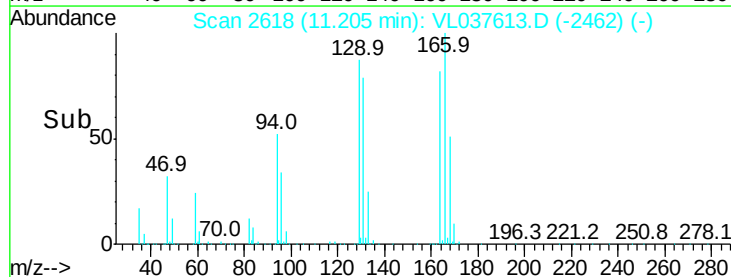
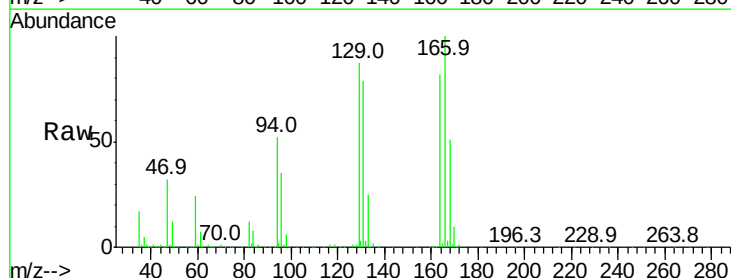
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

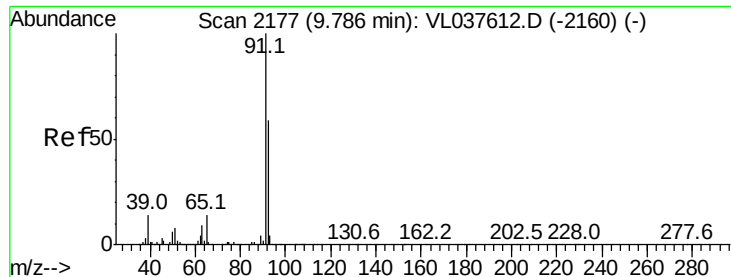
Tgt Ion: 43 Resp: 86696
Ion Ratio Lower Upper
43 100
58 0.0 39.3 58.9#
98 1.8 0.4 0.6#



#52
Tetrachloroethene
Concen: 2.015 ppbv
RT: 11.20 min Scan# 2618
Delta R.T. 0.00 min
Lab File: VL037613.D
Acq: 16 Sep 2021 10:43

Tgt Ion: 164 Resp: 331673
Ion Ratio Lower Upper
164 100
166 121.8 101.2 151.8
129 106.8 84.0 126.0
131 96.5 78.8 118.2





#53

Toluene

Concen: 2.168 ppbv

RT: 9.78 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

Instrument :

MSVOA_L

ClientSampleId :

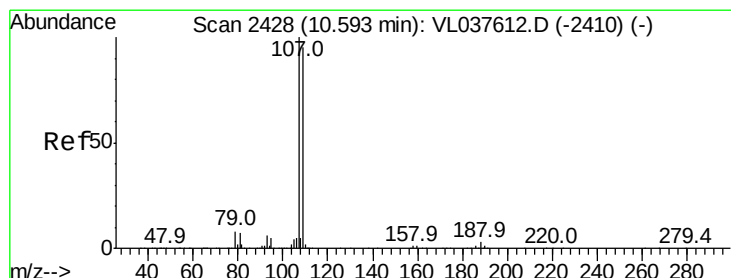
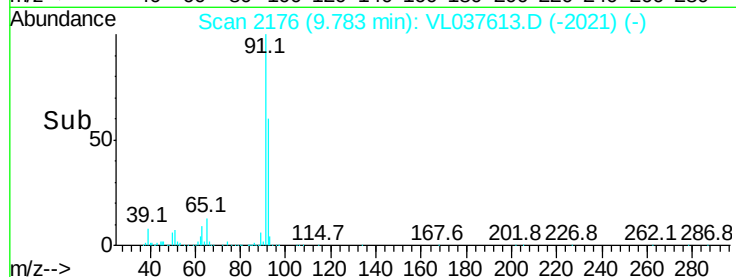
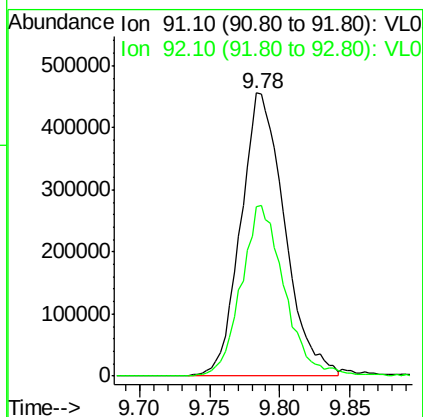
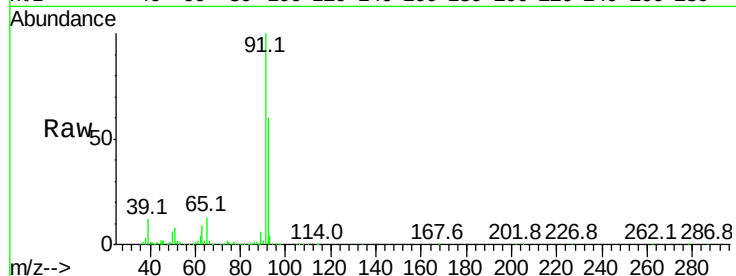
VSTDIC002

Tgt Ion: 91 Resp: 994374

Ion Ratio Lower Upper

91 100

92 60.2 48.9 73.3



#54

1,2-Dibromoethane

Concen: 2.071 ppbv

RT: 10.59 min Scan# 2428

Delta R.T. 0.00 min

Lab File: VL037613.D

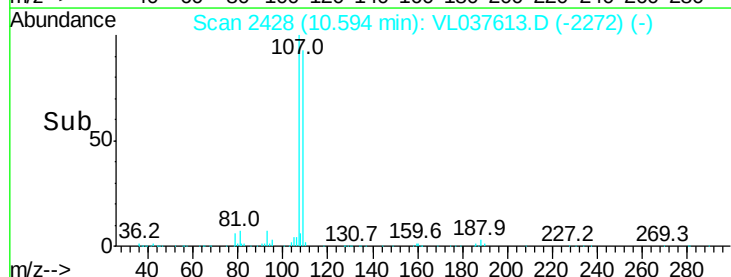
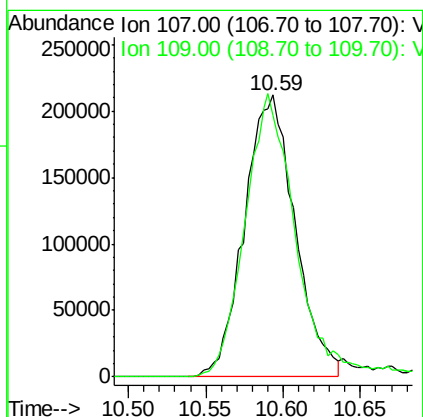
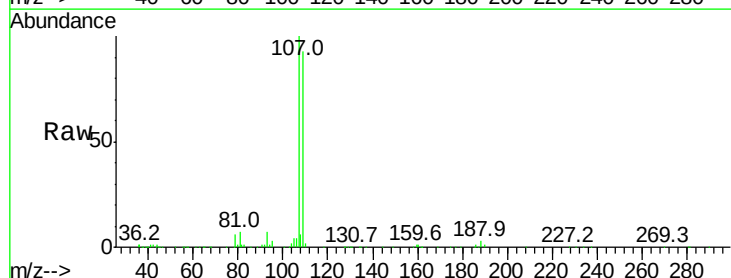
Acq: 16 Sep 2021 10:43

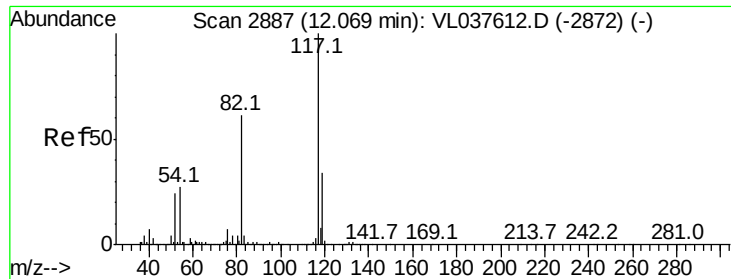
Tgt Ion: 107 Resp: 482151

Ion Ratio Lower Upper

107 100

109 92.7 76.0 114.0

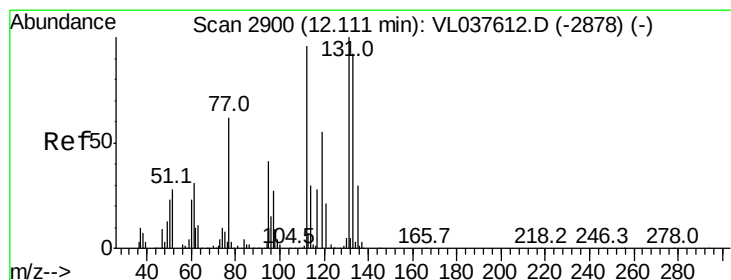
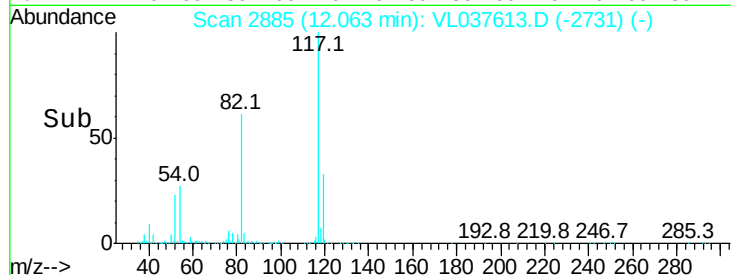
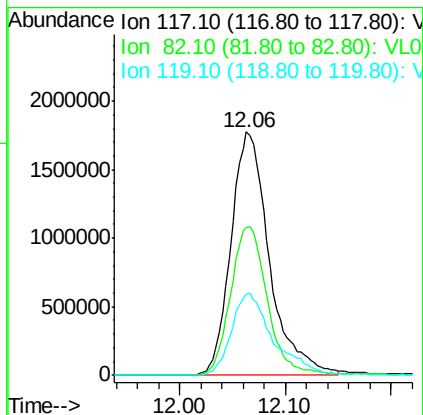
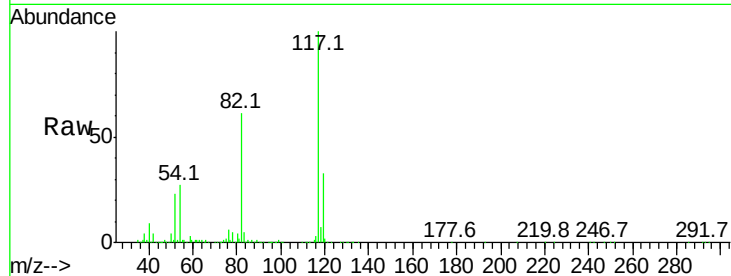




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2885
Delta R.T. -0.01 min
Lab File: VL037613.D
Acq: 16 Sep 2021 10:43

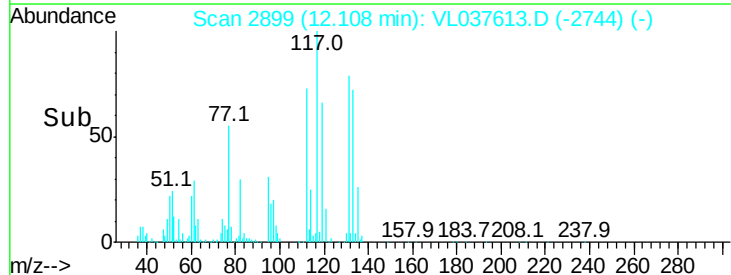
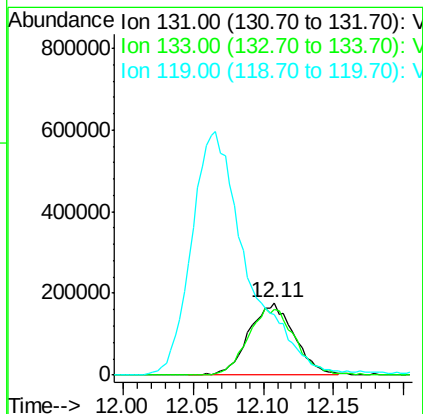
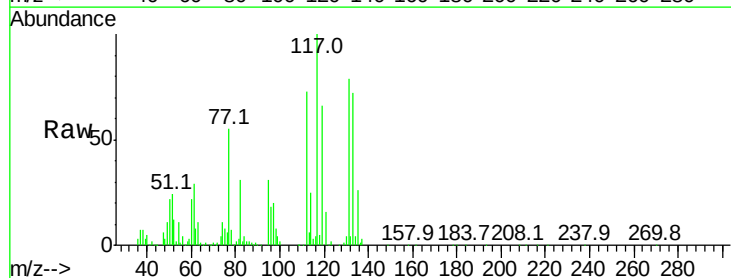
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

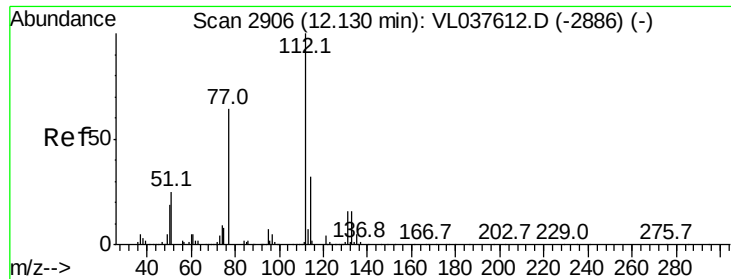
Tgt Ion:117 Resp: 4482473
Ion Ratio Lower Upper
117 100
82 59.1 50.6 75.8
119 37.2 26.2 39.2



#56
1,1,1,2-Tetrachloroethane
Concen: 2.120 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VL037613.D
Acq: 16 Sep 2021 10:43

Tgt Ion:131 Resp: 396023
Ion Ratio Lower Upper
131 100
133 96.6 76.8 115.2
119 420.9 47.8 71.8#

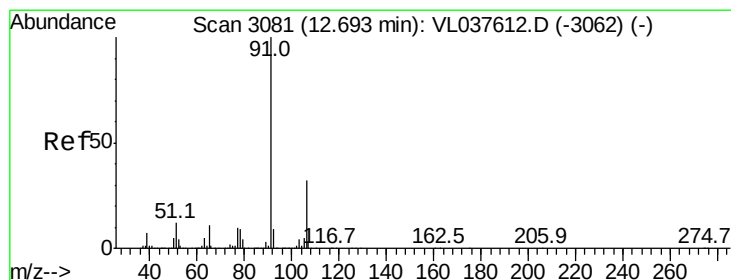
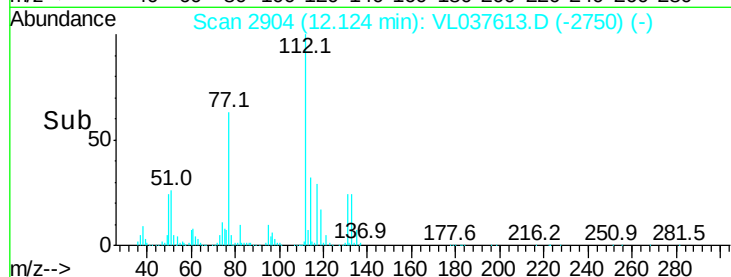
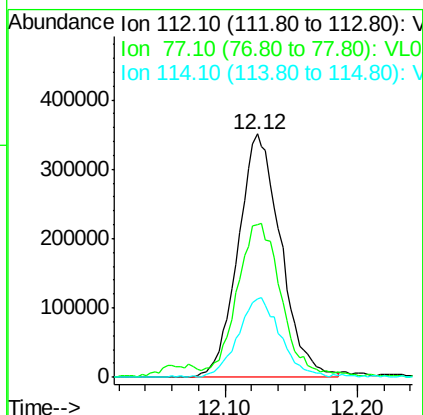
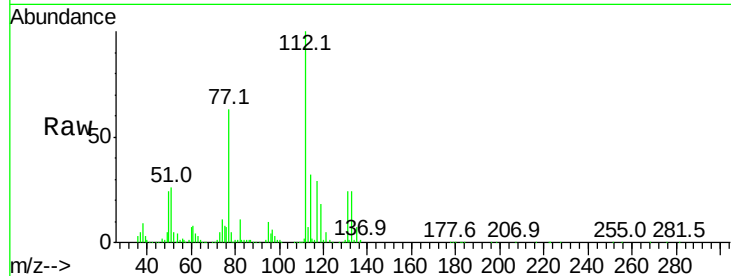




#57
Chlorobenzene
Concen: 2.104 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. -0.01 min
Lab File: VL037613.D
Acq: 16 Sep 2021 10:43

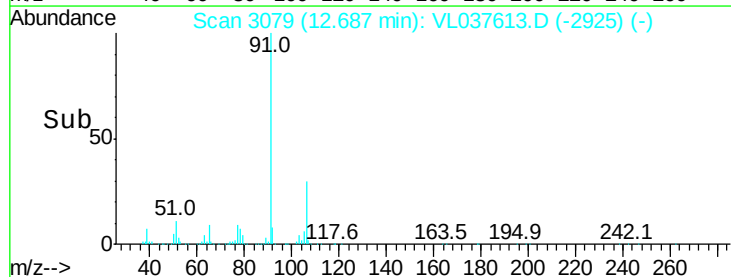
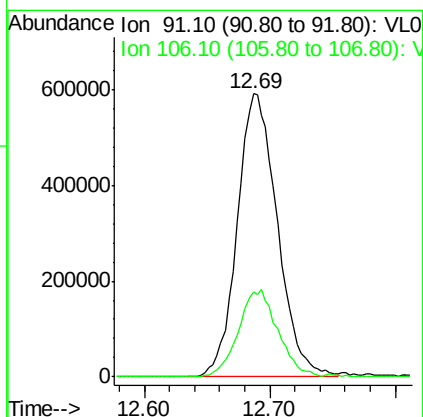
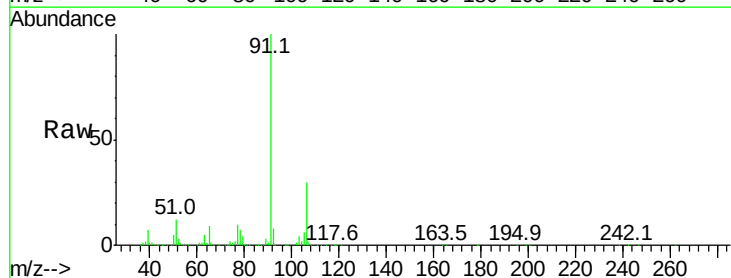
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

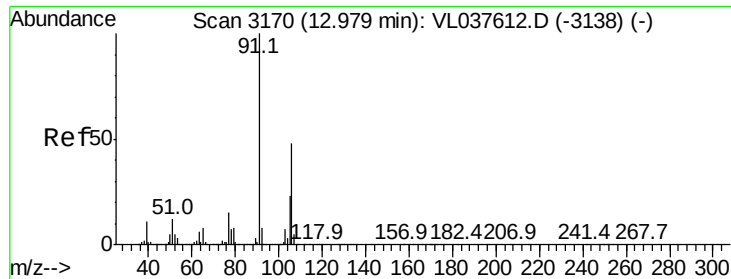
Tgt Ion: 112 Resp: 782545
Ion Ratio Lower Upper
112 100
77 60.4 52.1 78.1
114 32.3 29.2 35.6



#58
Ethyl Benzene
Concen: 2.099 ppbv
RT: 12.69 min Scan# 3079
Delta R.T. -0.01 min
Lab File: VL037613.D
Acq: 16 Sep 2021 10:43

Tgt Ion: 91 Resp: 1305468
Ion Ratio Lower Upper
91 100
106 29.9 25.3 37.9

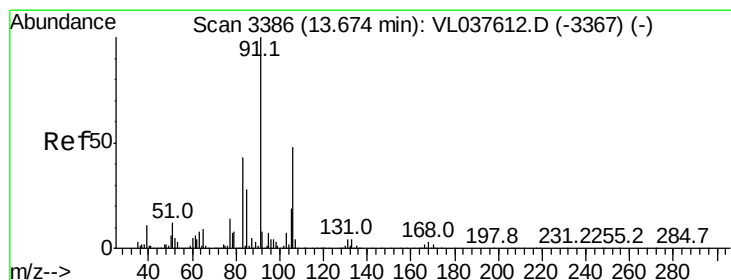
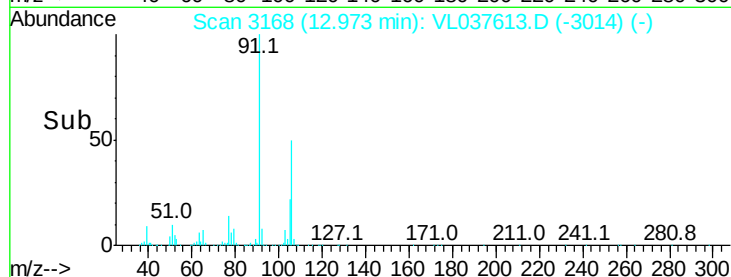
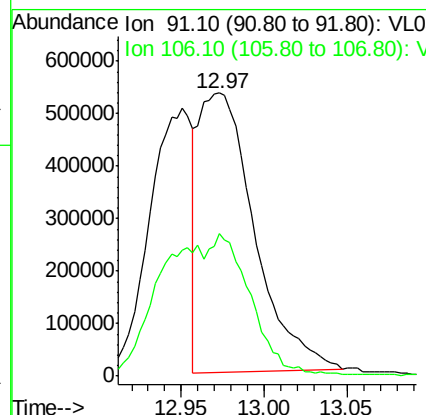
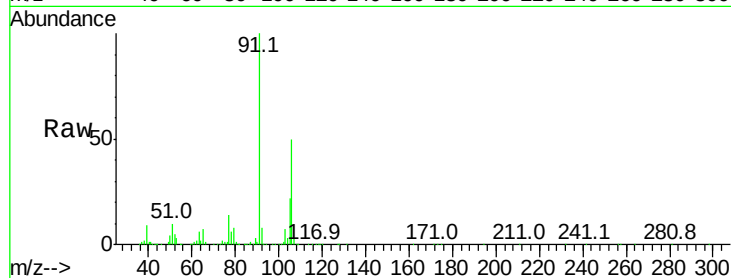




#59
m/p-Xylene
Concen: 2.287 ppbv
RT: 12.97 min Scan# 3168
Delta R.T. -0.01 min
Lab File: VL037613.D
Acq: 16 Sep 2021 10:43

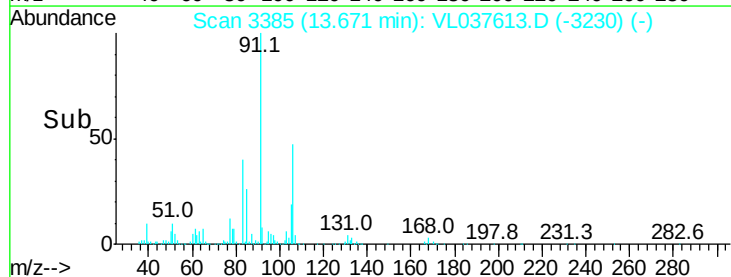
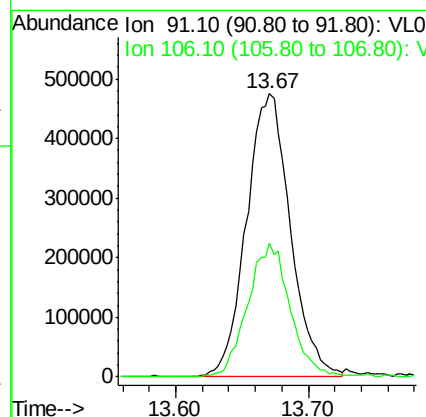
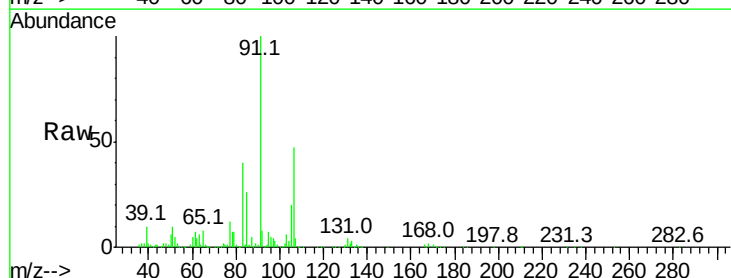
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

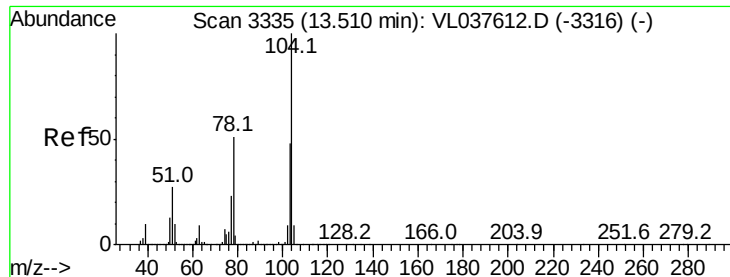
Tgt Ion: 91 Resp: 1233382
Ion Ratio Lower Upper
91 100
106 82.5 36.6 55.0#



#60
o-Xylene
Concen: 2.160 ppbv
RT: 13.67 min Scan# 3385
Delta R.T. -0.00 min
Lab File: VL037613.D
Acq: 16 Sep 2021 10:43

Tgt Ion: 91 Resp: 1087075
Ion Ratio Lower Upper
91 100
106 45.6 23.0 69.0





#61

Styrene

Concen: 2.048 ppbv

RT: 13.51 min Scan# 3334

Delta R.T. -0.00 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

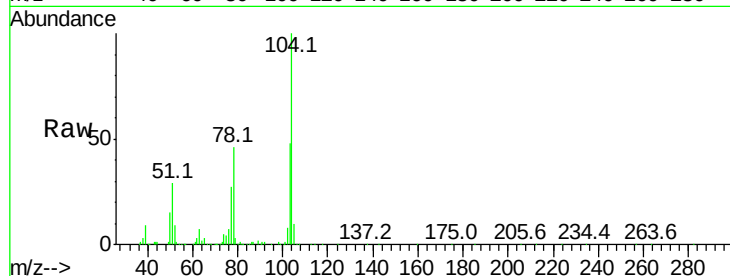
Tgt Ion:104 Resp: 535506

Ion Ratio Lower Upper

104 100

78 48.5 39.7 59.5

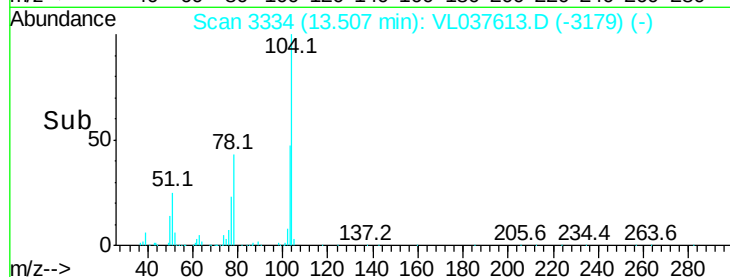
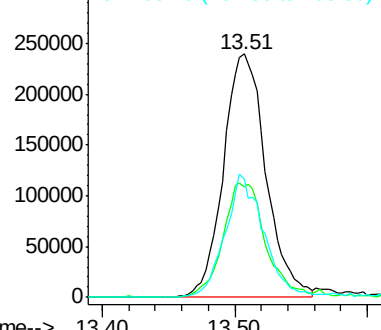
103 46.8 38.8 58.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): V

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 2.117 ppbv

RT: 14.65 min Scan# 3689

Delta R.T. 0.00 min

Lab File: VL037613.D

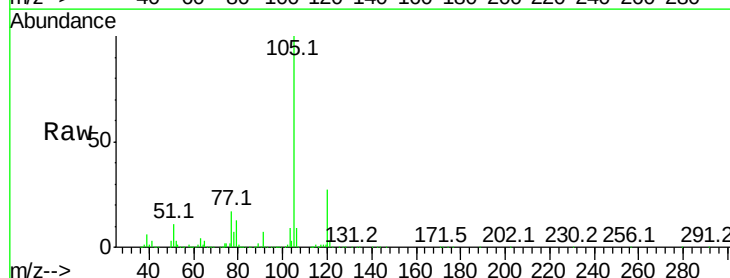
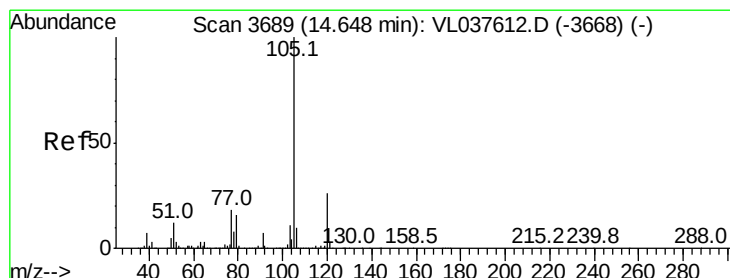
Acq: 16 Sep 2021 10:43

Tgt Ion:105 Resp: 1503960

Ion Ratio Lower Upper

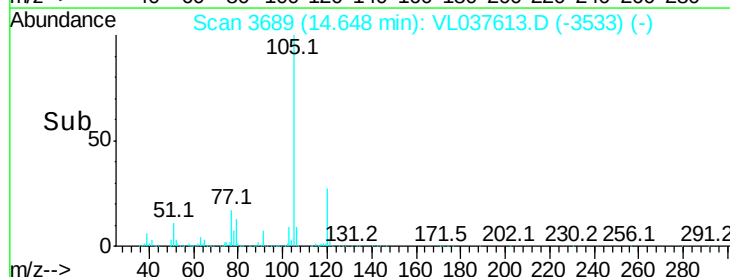
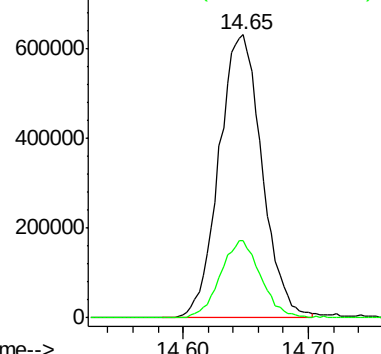
105 100

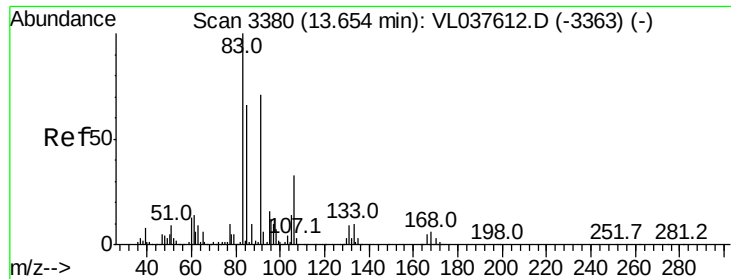
120 26.0 21.4 32.0



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: 2.042 ppbv

RT: 13.65 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

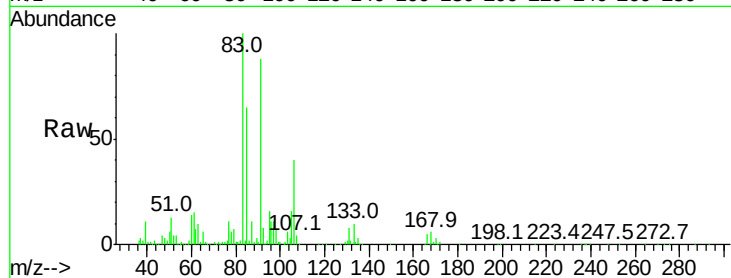
Tgt Ion: 83 Resp: 763975

Ion Ratio Lower Upper

83 100

131 9.2 5.1 15.3

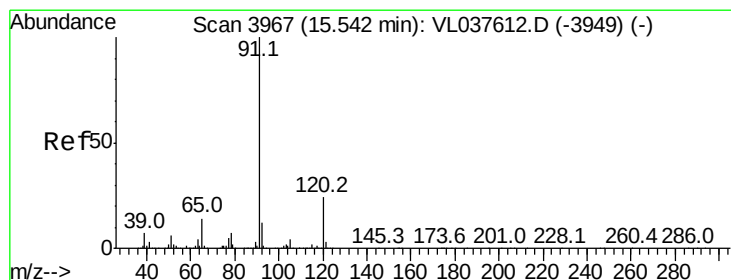
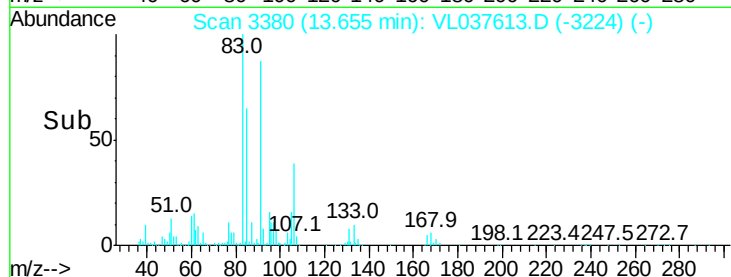
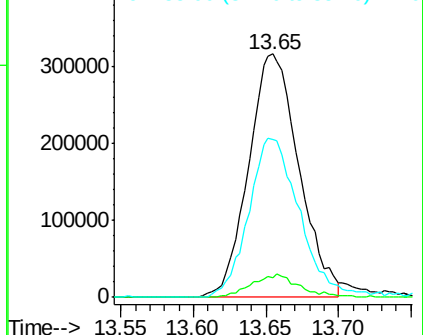
85 67.5 33.3 99.9



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: 2.066 ppbv

RT: 15.54 min Scan# 3966

Delta R.T. -0.00 min

Lab File: VL037613.D

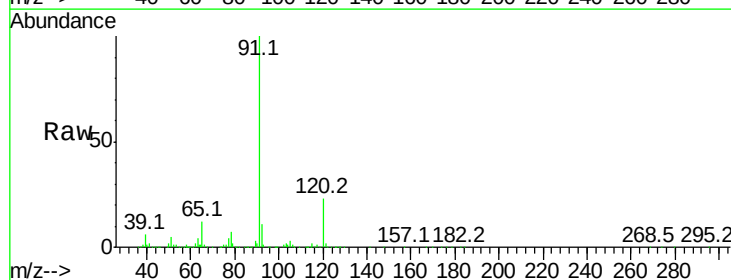
Acq: 16 Sep 2021 10:43

Tgt Ion: 120 Resp: 373489

Ion Ratio Lower Upper

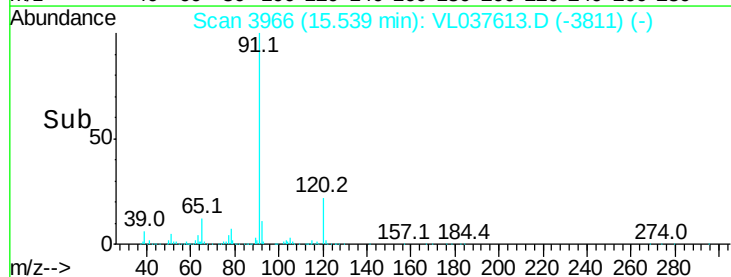
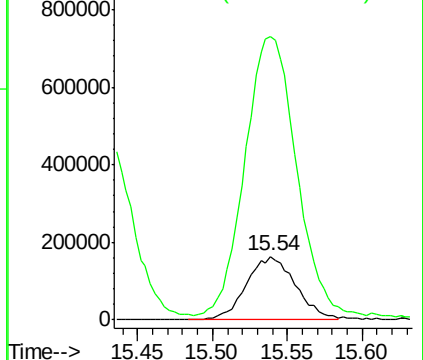
120 100

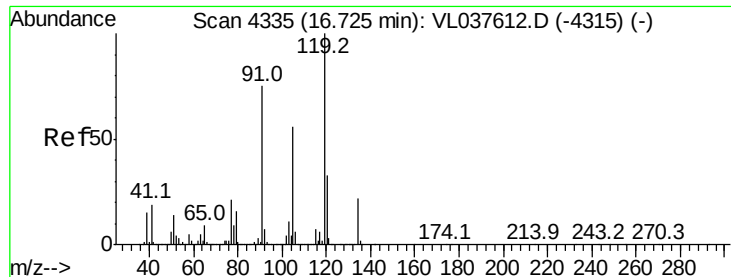
91 487.5 345.0 517.4



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 2.093 ppbv

RT: 16.72 min Scan# 4334

Delta R.T. -0.00 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

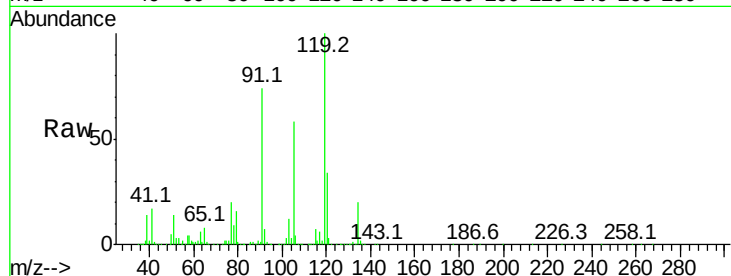
Tgt Ion:119 Resp: 1354292

Ion Ratio Lower Upper

119 100

91 77.9 61.9 92.9

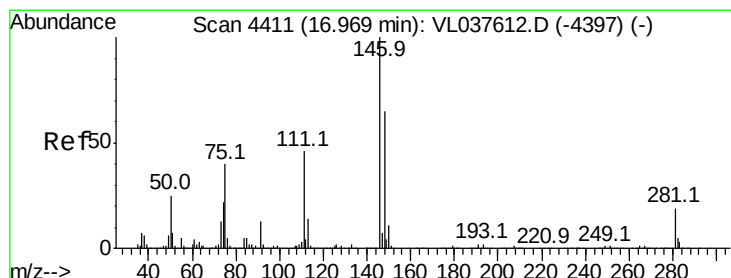
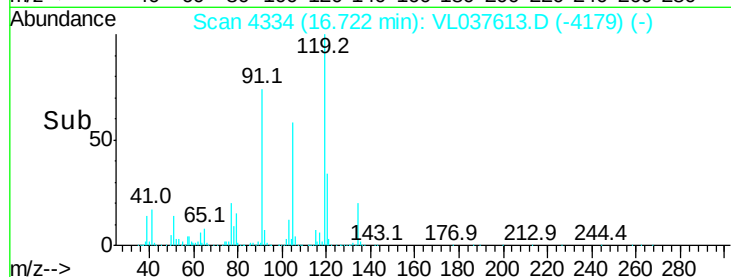
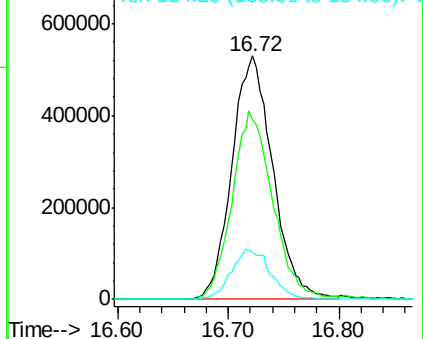
134 20.1 16.5 24.7



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 0.561 ppbv

RT: 16.96 min Scan# 4408

Delta R.T. -0.01 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

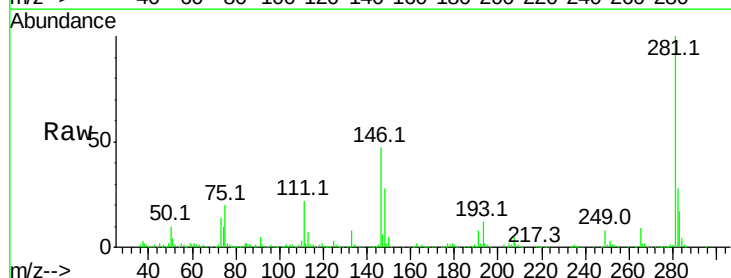
Tgt Ion: 91 Resp: 16409

Ion Ratio Lower Upper

91 100

126 77.2 14.4 21.6#

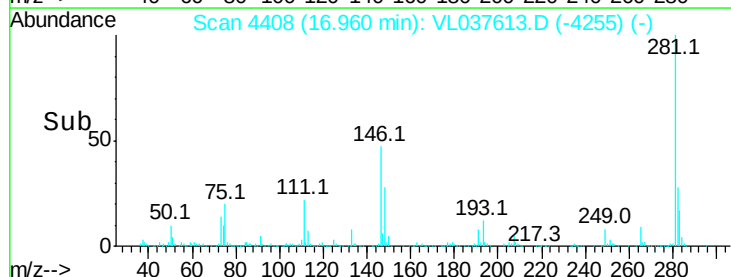
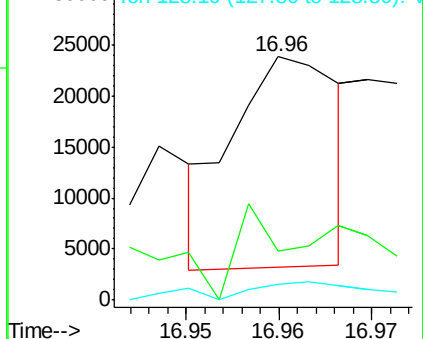
128 15.6 5.7 8.5#

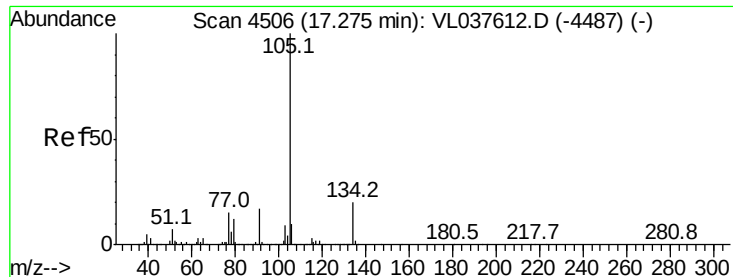


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 2.069 ppbv

RT: 17.27 min Scan# 4505

Delta R.T. -0.00 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

Instrument :

MSVOA_L

ClientSampleId :

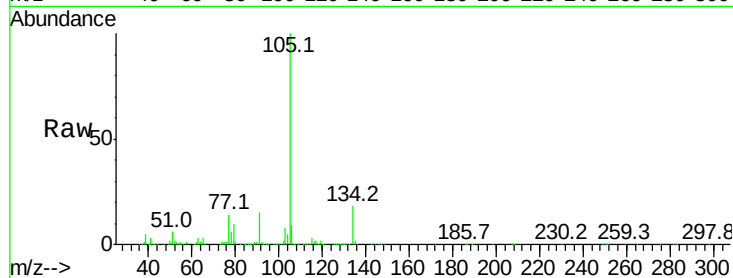
VSTDIC002

Tgt Ion:105 Resp: 1870524

Ion Ratio Lower Upper

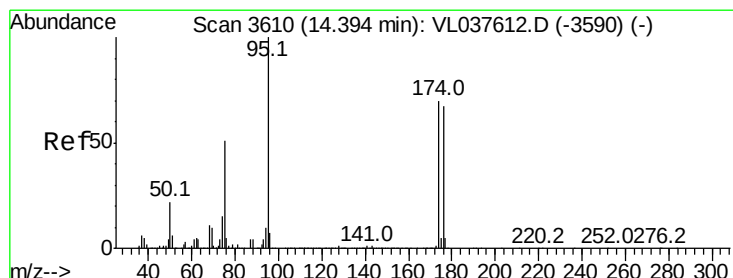
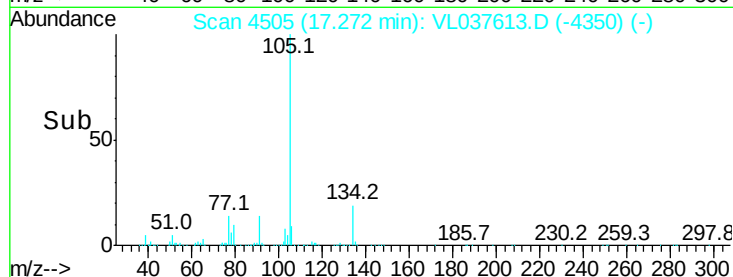
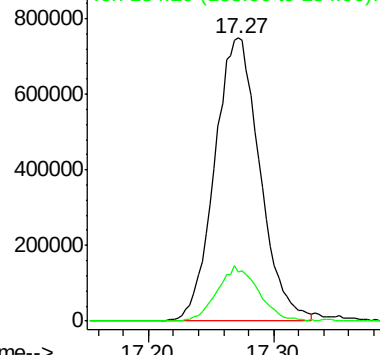
105 100

134 17.8 15.7 23.5



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: 9.882 ppbv

RT: 14.39 min Scan# 3609

Delta R.T. -0.00 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

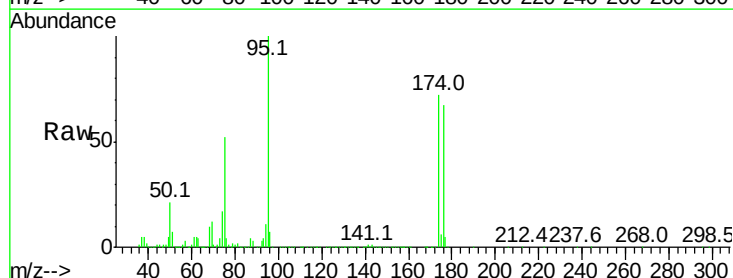
Tgt Ion: 95 Resp: 3147088

Ion Ratio Lower Upper

95 100

174 72.4 56.3 84.5

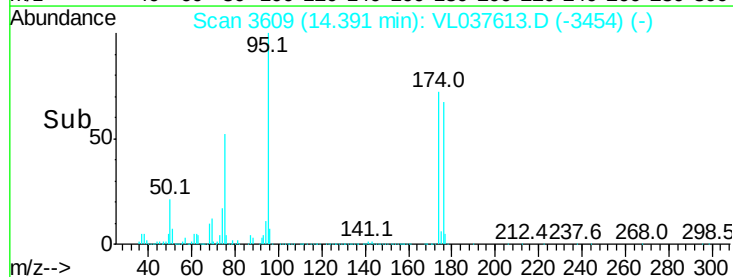
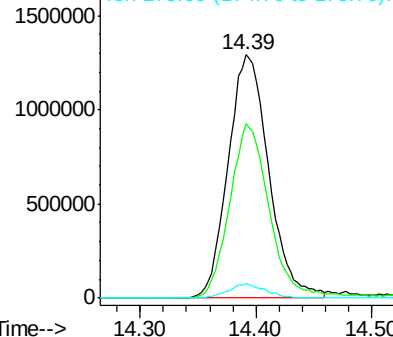
175 5.6 4.4 6.6

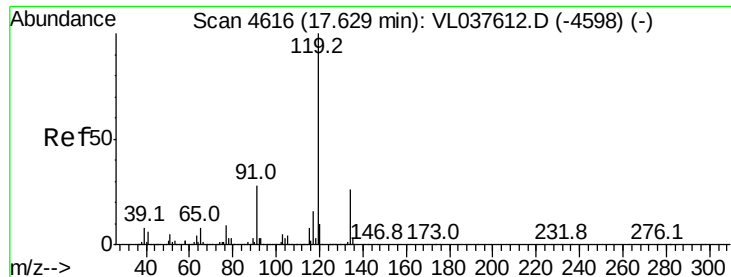


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 2.077 ppbv

RT: 17.63 min Scan# 4615

Delta R.T. -0.00 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

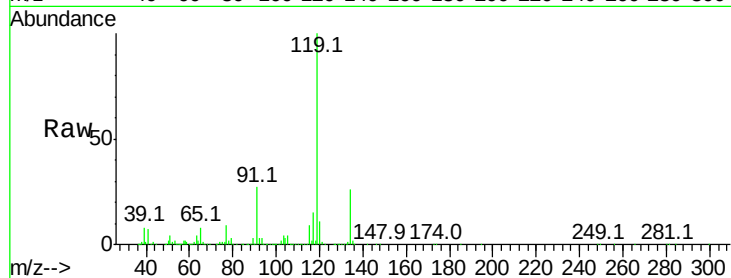
Tgt Ion: 119 Resp: 1529958

Ion Ratio Lower Upper

119 100

134 26.1 21.2 31.8

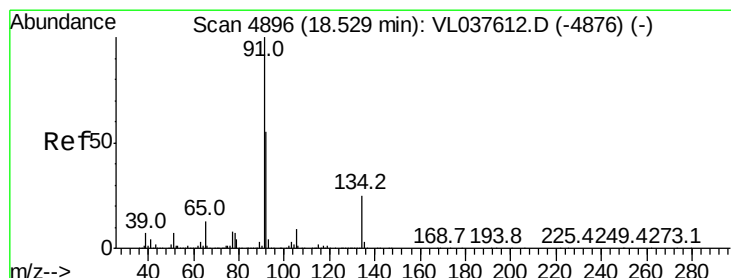
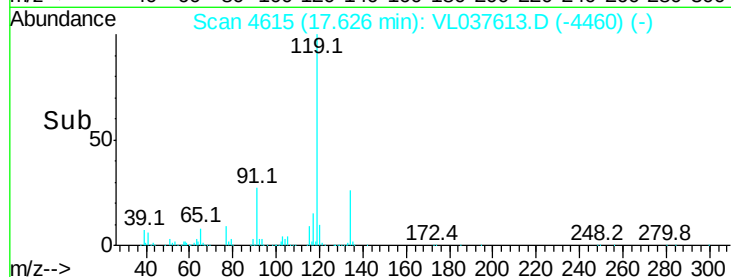
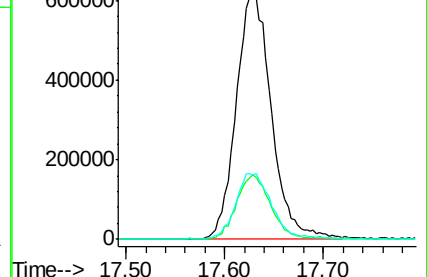
91 27.8 22.2 33.2



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: 2.030 ppbv

RT: 18.53 min Scan# 4895

Delta R.T. -0.00 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

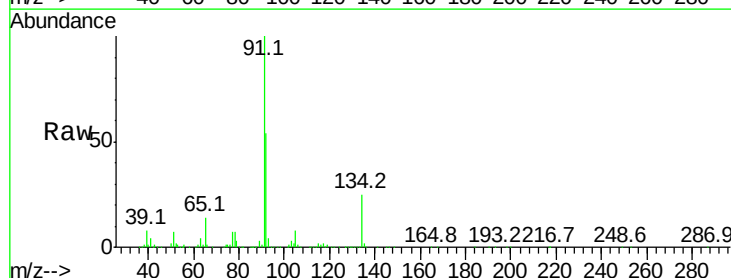
Tgt Ion: 91 Resp: 1429324

Ion Ratio Lower Upper

91 100

92 53.7 44.0 66.0

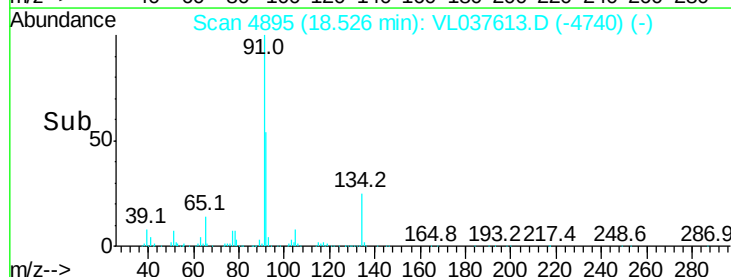
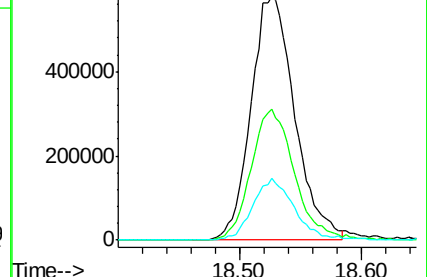
134 24.4 19.5 29.3

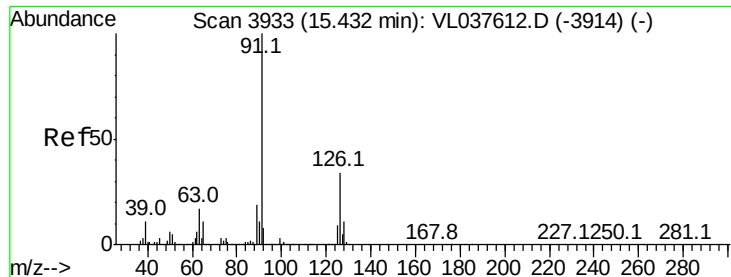


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 2.072 ppbv

RT: 15.43 min Scan# 3932

Delta R.T. -0.00 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

Instrument :

MSVOA_L

ClientSampleId :

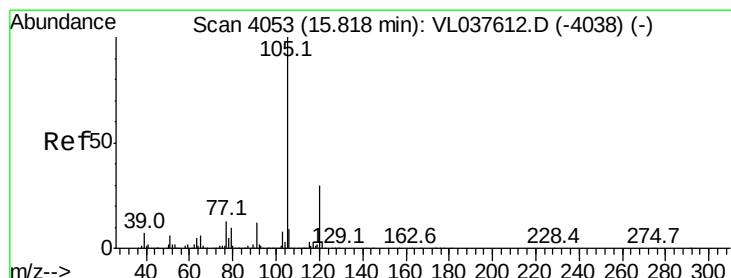
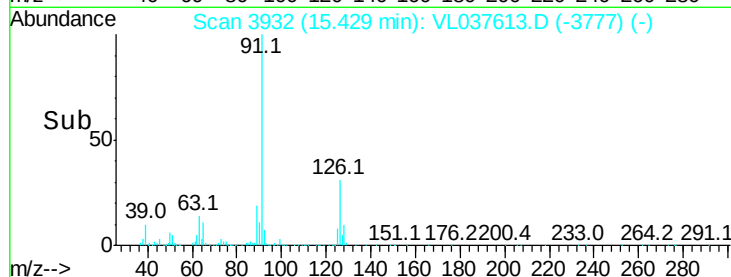
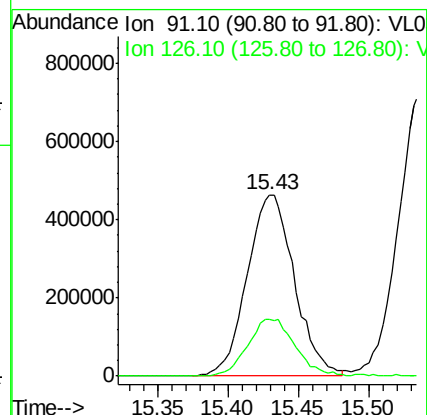
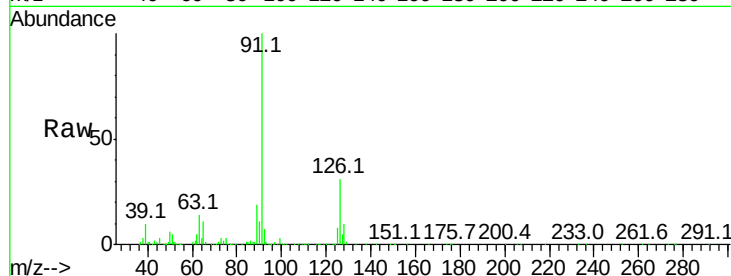
VSTDIC002

Tgt Ion: 91 Resp: 1079435

Ion Ratio Lower Upper

91 100

126 32.7 13.2 52.8



#72

4-Ethyltoluene

Concen: 2.070 ppbv

RT: 15.82 min Scan# 4053

Delta R.T. 0.00 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

Tgt Ion: 105 Resp: 1239493

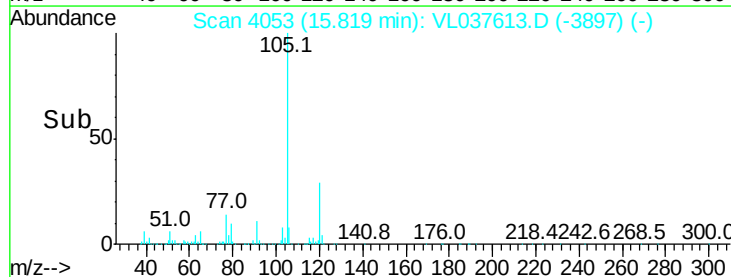
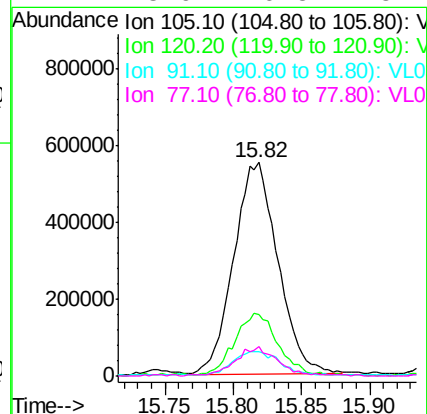
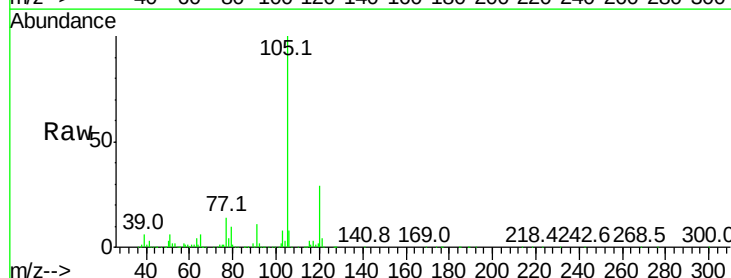
Ion Ratio Lower Upper

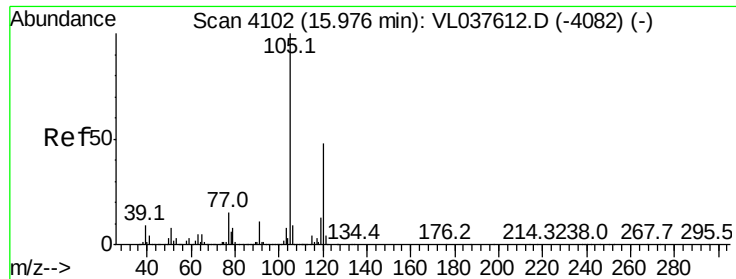
105 100

120 29.7 24.7 37.1

91 12.5 9.9 14.9

77 13.9 10.5 15.7





#73

1,3,5-Trimethylbenzene

Concen: 2.017 ppbv

RT: 15.97 min Scan# 4101

Delta R.T. -0.00 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

Instrument :

MSVOA_L

ClientSampleId :

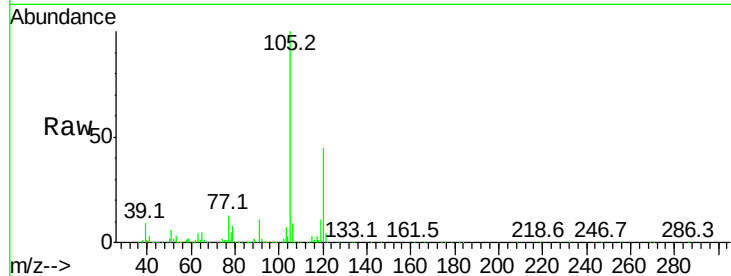
VSTDIC002

Tgt Ion:105 Resp: 1124227

Ion Ratio Lower Upper

105 100

120 45.2 38.3 57.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

15.97

500000

400000

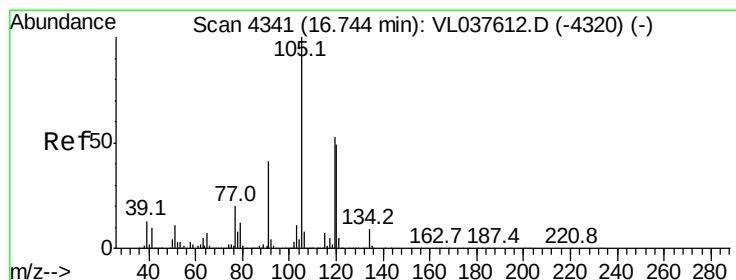
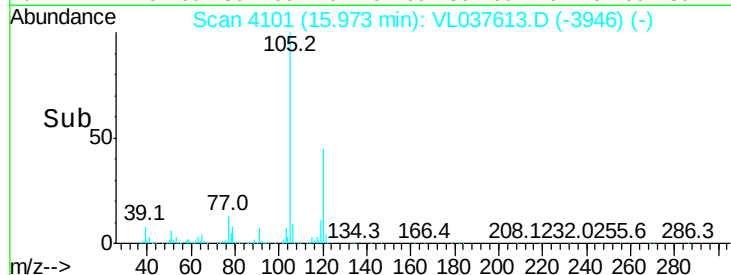
300000

200000

100000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 2.032 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. -0.00 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

Tgt Ion:105 Resp: 1203391

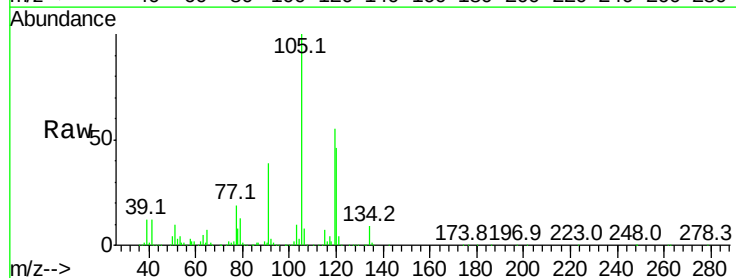
Ion Ratio Lower Upper

105 100

120 45.5 39.4 59.0

91 37.3 33.3 49.9

77 18.9 15.7 23.5



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

800000

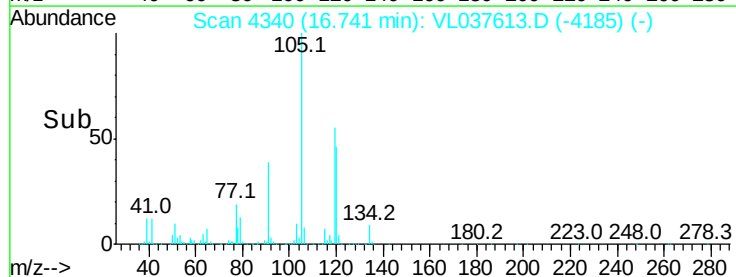
600000

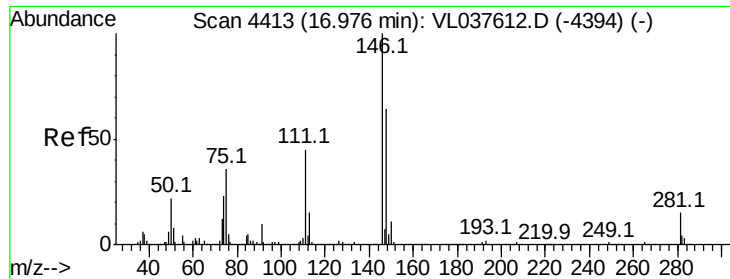
400000

200000

0

Time-->

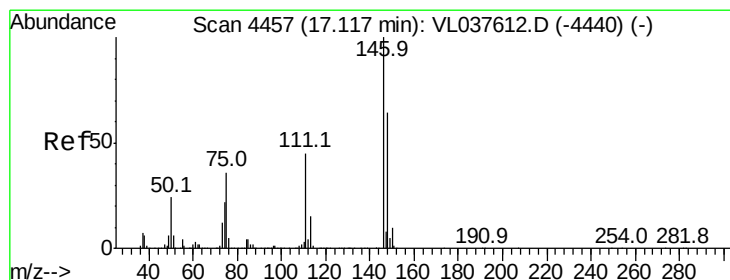
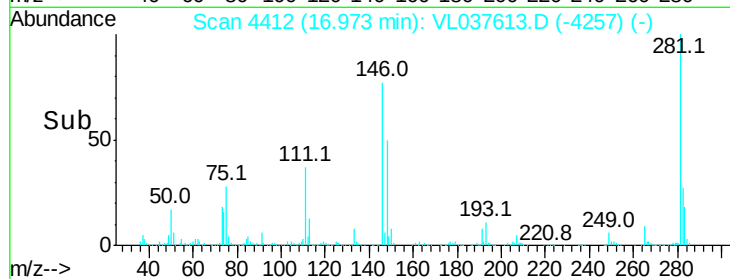
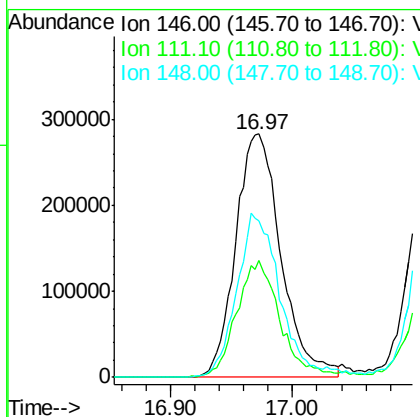
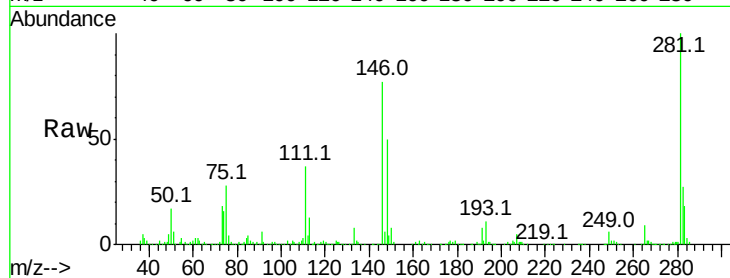




#75
 1,3-Dichlorobenzene
 Concen: 2.036 ppbv
 RT: 16.97 min Scan# 4412
 Delta R.T. -0.00 min
 Lab File: VL037613.D
 Acq: 16 Sep 2021 10:43

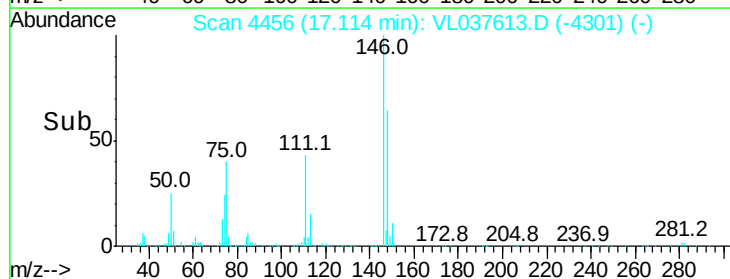
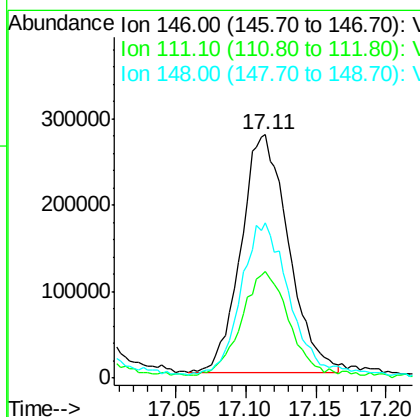
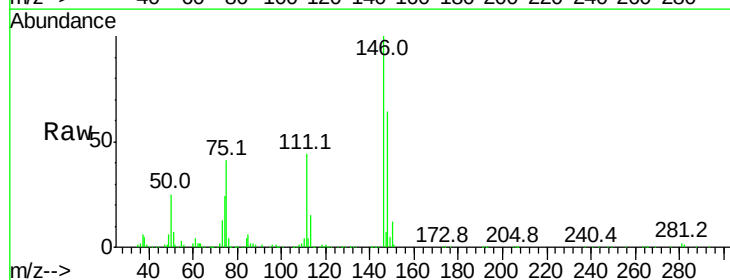
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

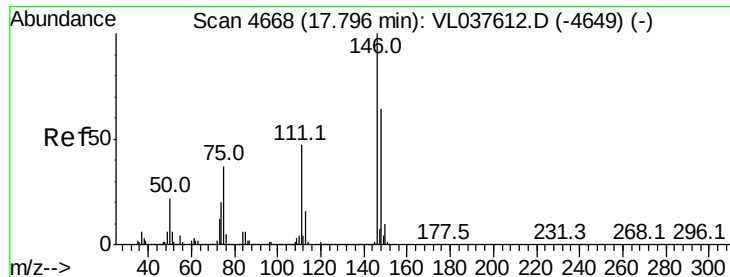
Tgt Ion:146 Resp: 725898
 Ion Ratio Lower Upper
 146 100
 111 46.2 22.8 68.3
 148 64.5 32.1 96.5



#76
 1,4-Dichlorobenzene
 Concen: 1.803 ppbv
 RT: 17.11 min Scan# 4456
 Delta R.T. -0.00 min
 Lab File: VL037613.D
 Acq: 16 Sep 2021 10:43

Tgt Ion:146 Resp: 647556
 Ion Ratio Lower Upper
 146 100
 111 48.7 22.5 67.5
 148 70.6 32.9 98.6

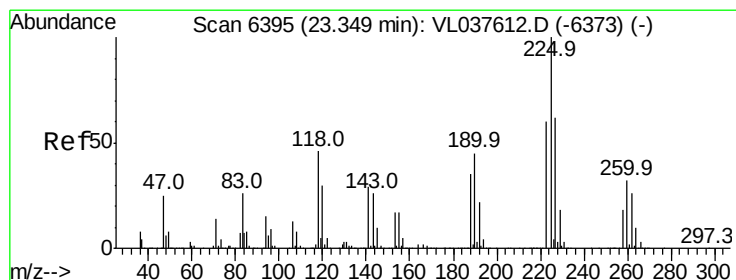
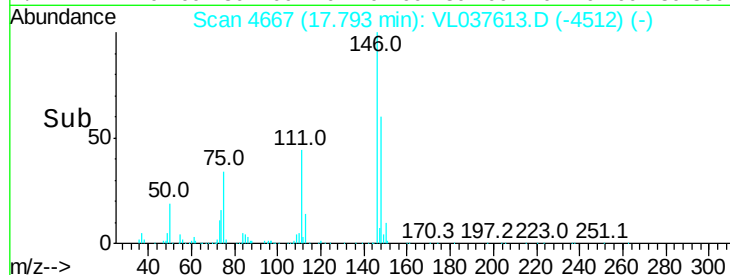
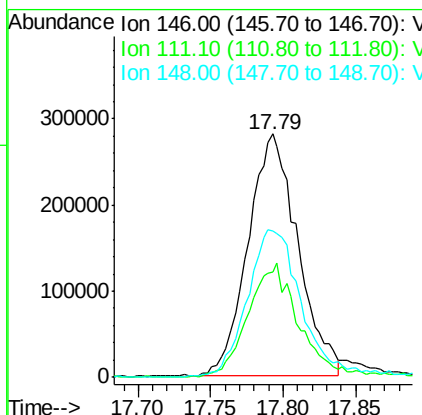
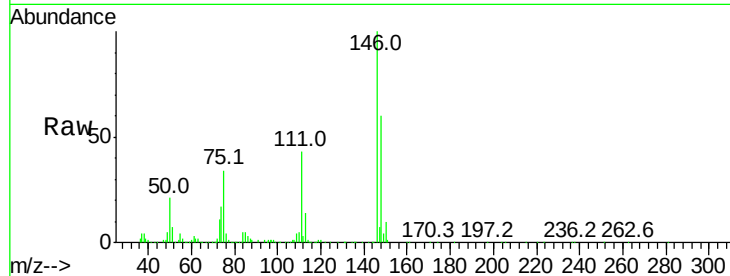




#77
 1,2-Dichlorobenzene
 Concen: 1.916 ppbv
 RT: 17.79 min Scan# 4667
 Delta R.T. -0.00 min
 Lab File: VL037613.D
 Acq: 16 Sep 2021 10:43

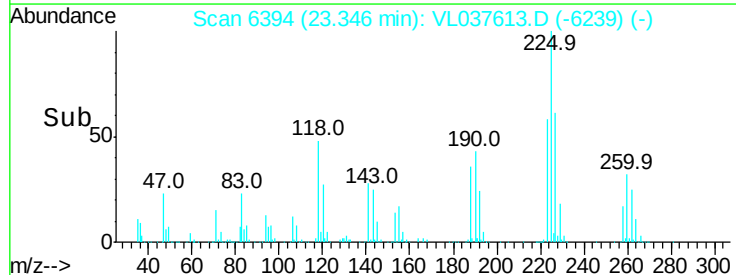
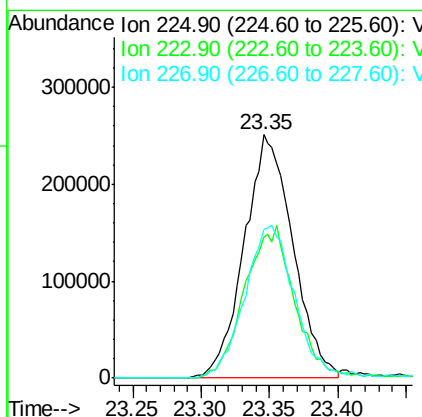
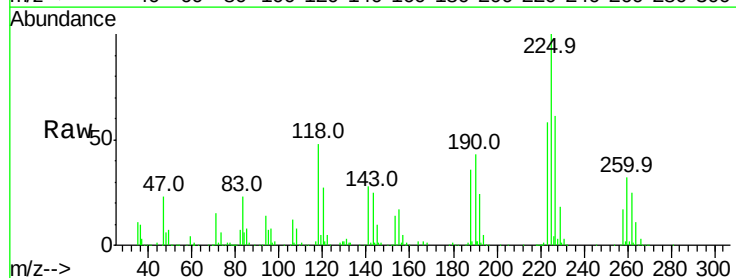
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

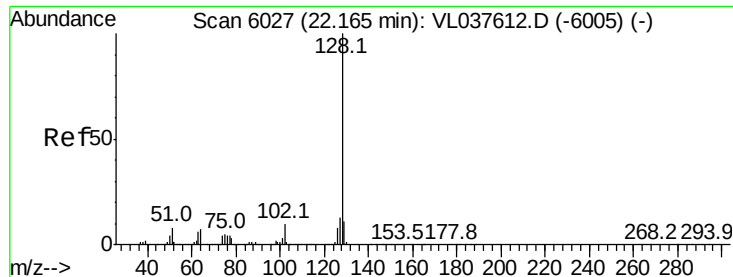
Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.7	24.0	72.0
148	68.5	32.8	98.3



#78
 Hexachloro-1,3-Butadiene
 Concen: 2.130 ppbv
 RT: 23.35 min Scan# 6394
 Delta R.T. -0.00 min
 Lab File: VL037613.D
 Acq: 16 Sep 2021 10:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.0	51.1	76.7
227	64.4	52.2	78.4

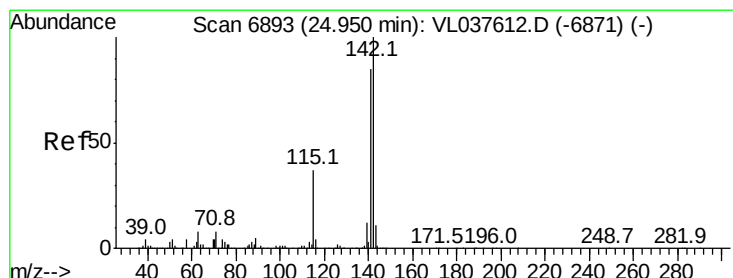
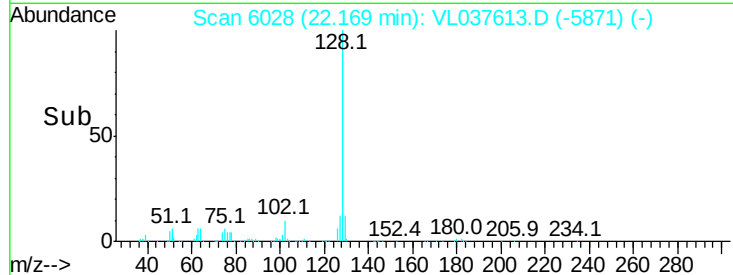
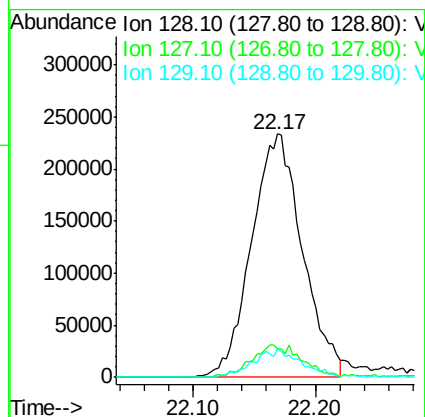
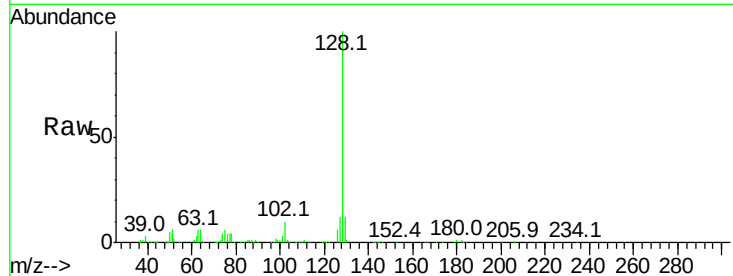




#79
Naphthalene
Concen: 1.700 ppbv
RT: 22.17 min Scan# 6028
Delta R.T. 0.00 min
Lab File: VL037613.D
Acq: 16 Sep 2021 10:43

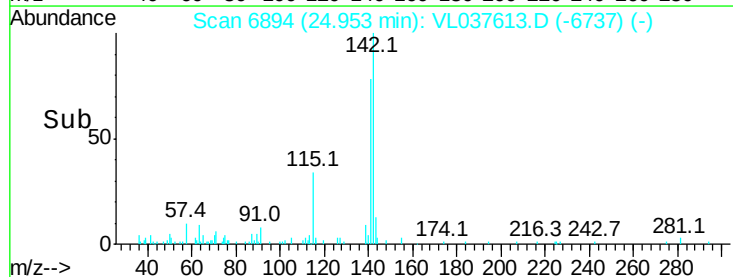
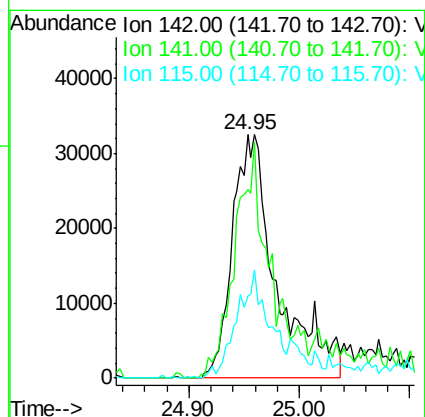
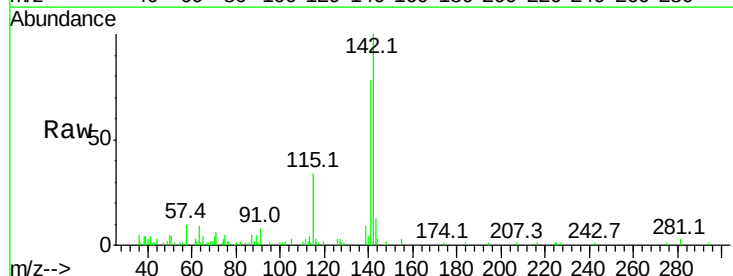
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

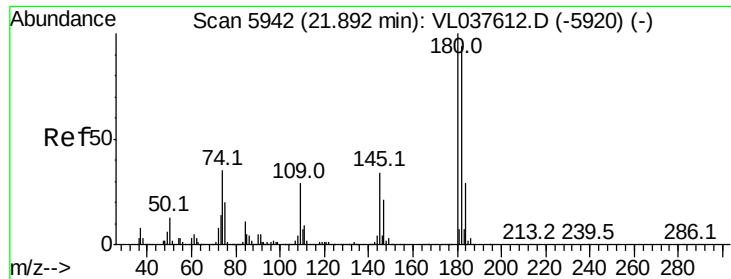
Tgt Ion:128 Resp: 673673
Ion Ratio Lower Upper
128 100
127 11.9 10.6 16.0
129 11.4 8.6 12.8



#80
Naphthalene, 2-methyl-
Concen: 0.819 ppbv
RT: 24.95 min Scan# 6894
Delta R.T. 0.00 min
Lab File: VL037613.D
Acq: 16 Sep 2021 10:43

Tgt Ion:142 Resp: 90397
Ion Ratio Lower Upper
142 100
141 77.5 70.9 106.3
115 42.2 29.6 44.4





#81

1,2,4-Trichlorobenzene

Concen: 0.527 ppbv

RT: 21.88 min Scan# 5939

Delta R.T. -0.01 min

Lab File: VL037613.D

Acq: 16 Sep 2021 10:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

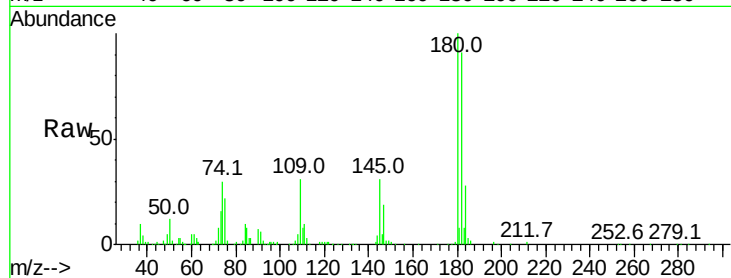
Tgt Ion:180 Resp: 130933

Ion Ratio Lower Upper

180 100

182 0.0 78.9 118.3#

184 0.0 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

