

Data File : VL037166.D

Acq On : 16 Jun 2021 10:42

Operator : SY/AP

Sample : VSTDIC001

Misc : 400mL/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Quant Time: Jun 16 11:39:26 2021

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 16 11:33:05 2021

QLast Update : Wed Jun 16 11:33:05 2021

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1548169	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4615895	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4183478	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3092960	10.04	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.40%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.05	85	312909	1.269	ppbv	98
3) Chlorodifluoromethane	2.99	51	328904	1.132	ppbv	98
4) Chloromethane	3.14	50	101982	1.031	ppbv	95
5) Vinyl Chloride	3.26	62	108756	1.136	ppbv	96
6) Bromomethane	3.48	94	64828	1.065	ppbv	89
7) Chloroethane	3.56	64	39194	1.049	ppbv	100
8) Dichlorotetrafluoroethane	3.19	85	299681	1.138	ppbv	99
9) Propene	3.01	41	44703	0.467	ppbv #	1
10) Heptane	8.13	43	237968	1.042	ppbv	98
11) Trichlorofluoromethane	3.95	101	299204	1.070	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.49	101	208929	1.089	ppbv	99
13) Ethanol	3.63	45	8689	0.656	ppbv #	7
14) Bromoethene	3.74	108	77143	0.929	ppbv #	85
15) Acetone	3.87	43	189615	1.024	ppbv #	77
16) 1,3-Butadiene	3.33	39	97590	0.976	ppbv	92
17) tert-Butyl alcohol	4.32	59	151411	0.944	ppbv #	94
18) 1,1-Dichloroethene	4.29	96	87407	1.010	ppbv	95
19) Isopropyl Alcohol	4.00	45	47718	0.469	ppbv #	67
20) Methylene Chloride	4.35	84	123972	1.535	ppbv	97
21) Allyl Chloride	4.42	41	113968	0.921	ppbv	90
22) trans-1,2-Dichloroethene	4.89	96	82004	0.972	ppbv #	93
23) Vinyl Acetate	5.08	43	215991	0.888	ppbv	98
24) 1,1-Dichloroethane	5.02	63	201674	1.033	ppbv	99
25) Ethyl Acetate	5.69	43	407529	1.123	ppbv	98
26) Hexane	5.69	57	206647	1.145	ppbv	93
27) Carbon Disulfide	4.56	76	175157	0.957	ppbv	95
28) Methyl tert-Butyl Ether	5.05	73	241517	1.068	ppbv	99
29) Chloroform	5.75	83	304674	1.045	ppbv	94
30) Cyclohexane	7.14	84	167905	1.067	ppbv	93
31) cis-1,2-Dichloroethene	5.56	61	169595	0.975	ppbv	96
32) 1,1,1-Trichloroethane	6.52	97	294702	1.101	ppbv	96
34) 2-Butanone	5.26	43	148743	0.858	ppbv #	85
35) Carbon Tetrachloride	7.02	117	311901	1.099	ppbv	97
36) Benzene	6.90	78	380444	1.039	ppbv	95
37) 1,2-Dichloroethane	6.31	62	217827	1.024	ppbv	98
38) Trichloroethene	7.84	130	162494	1.027	ppbv	96
39) 1,2-Dichloropropane	7.62	63	86986	0.622	ppbv	98
41) Tetrahydrofuran	6.08	42	75502	0.895	ppbv	92
42) Bromodichloromethane	7.80	83	293511	1.002	ppbv	95
43) Methyl Methacrylate	8.03	69	121358	0.966	ppbv	94
44) 2,2,4-Trimethylpentane	7.87	57	671795	1.096	ppbv	99

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Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Quant Time: Jun 16 11:39:26 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL061621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 16 11:33:05 2021
QLast Update : Wed Jun 16 11:33:05 2021
Response via : Initial Calibration

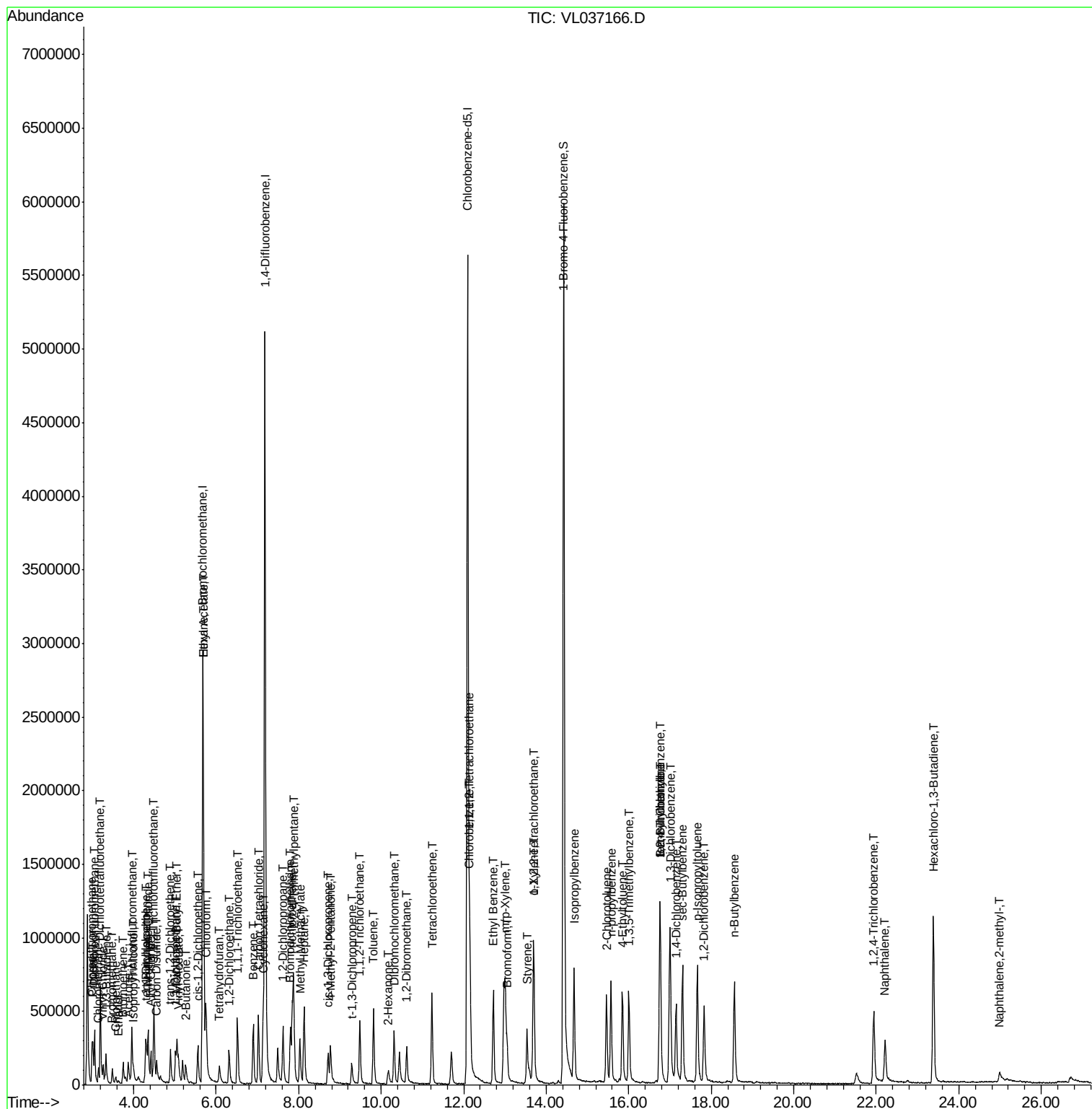
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) t-1,3-Dichloropropene	9.29	75	89466	0.790	ppbv	98
46) cis-1,3-Dichloropropene	8.71	75	140632	0.931	ppbv	97
47) 1,1,2-Trichloroethane	9.48	97	163587	1.031	ppbv	94
48) Dibromochloromethane	10.31	129	238998	0.934	ppbv	99
49) Bromoform	13.05	173	164463	0.823	ppbv	99
50) 4-Methyl-2-Pentanone	8.77	43	237466	0.931	ppbv	97
51) 2-Hexanone	10.17	43	46240	0.363	ppbv #	29
52) Tetrachloroethene	11.23	164	164032	1.083	ppbv	96
53) Toluene	9.82	91	458752	1.054	ppbv	99
54) 1,2-Dibromoethane	10.62	107	221235	0.953	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.14	131	92006	0.504	ppbv #	3
57) Chlorobenzene	12.15	112	369744	1.103	ppbv	95
58) Ethyl Benzene	12.72	91	614922	1.085	ppbv	90
59) m/p-Xylene	13.00	91	459039	0.953	ppbv #	16
60) o-Xylene	13.70	91	502798	1.087	ppbv	100
61) Styrene	13.54	104	233318	0.957	ppbv	95
62) Isopropylbenzene	14.68	105	713114	1.082	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.69	83	311937	1.038	ppbv	94
64) n-propylbenzene	15.57	120	173362	1.031	ppbv	76
65) tert-Butylbenzene	16.75	119	645051	1.080	ppbv	97
66) Benzyl Chloride	16.76	91	510273	19.573	ppbv #	64
67) sec-Butylbenzene	17.30	105	831713	1.048	ppbv	98
69) p-Isopropyltoluene	17.66	119	708496	1.068	ppbv	99
70) n-Butylbenzene	18.56	91	637427	1.050	ppbv	99
71) 2-Chlorotoluene	15.46	91	493487	1.050	ppbv	99
72) 4-Ethyltoluene	15.85	105	549673	1.023	ppbv	98
73) 1,3,5-Trimethylbenzene	16.00	105	509224	1.000	ppbv	91
74) 1,2,4-Trimethylbenzene	16.77	105	572609	1.105	ppbv	91
75) 1,3-Dichlorobenzene	17.00	146	321753	1.008	ppbv	96
76) 1,4-Dichlorobenzene	17.15	146	290765	0.917	ppbv	93
77) 1,2-Dichlorobenzene	17.83	146	312966	0.994	ppbv	96
78) Hexachloro-1,3-Butadiene	23.39	225	286651	1.285	ppbv	96
79) Naphthalene	22.21	128	399135	1.279	ppbv	99
80) Naphthalene,2-methyl-	24.99	142	80116	1.061	ppbv #	90
81) 1,2,4-Trichlorobenzene	21.94	180	116559	0.587	ppbv #	1

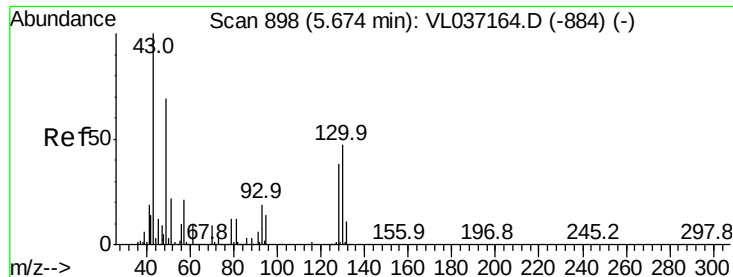
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ALS Vial : 1 Sample Multiplier: 1

VSTDICC001

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.00 min

Lab File: VL037166.D

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Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

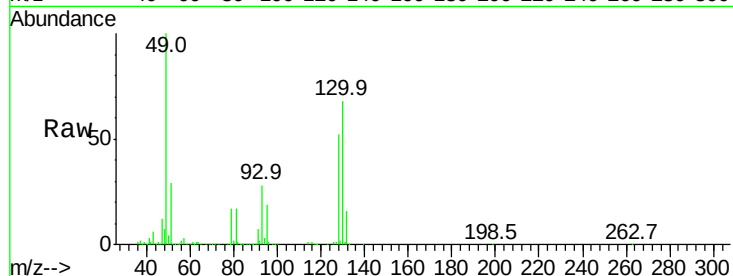
Tgt Ion: 49 Resp: 1548169

Ion Ratio Lower Upper

49 100

128 56.8 29.3 88.0

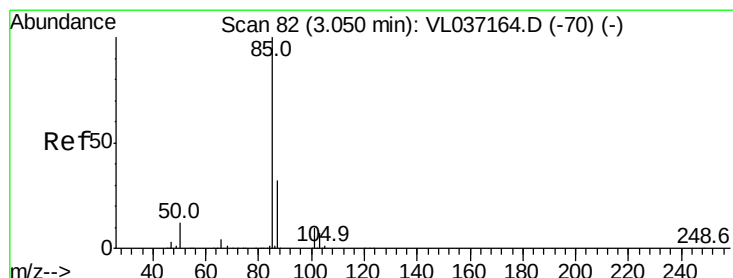
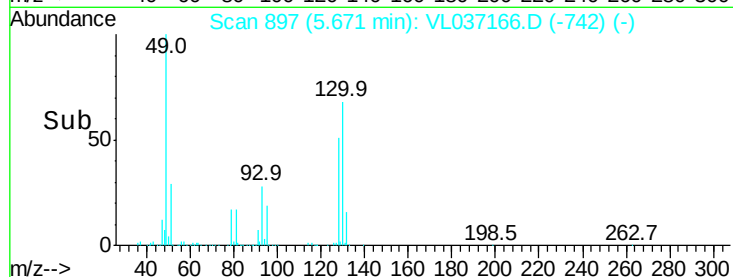
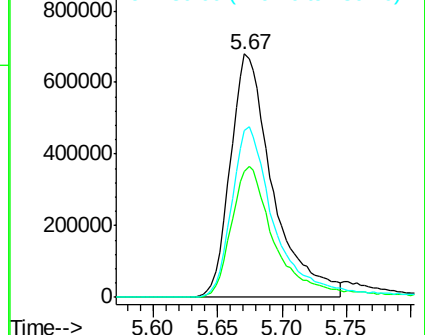
130 72.5 35.9 107.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 1.269 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.00 min

Lab File: VL037166.D

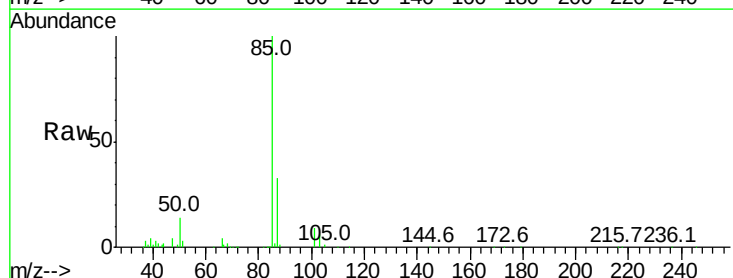
Acq: 16 Jun 2021 10:42

Tgt Ion: 85 Resp: 312909

Ion Ratio Lower Upper

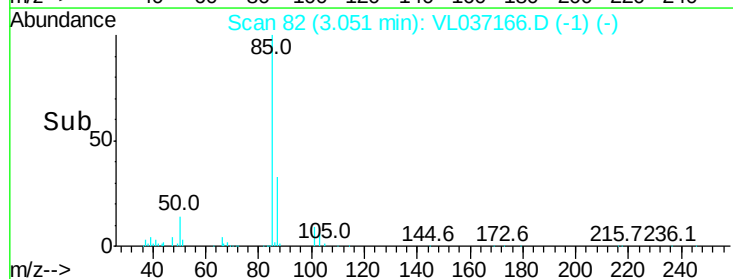
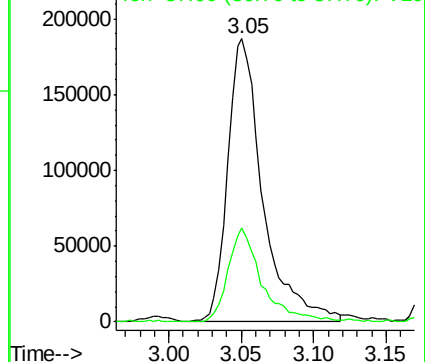
85 100

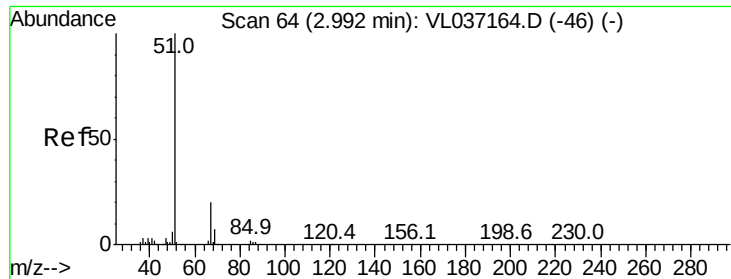
87 33.1 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 1.132 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.00 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

Instrument :

MSVOA_L

ClientSampleId :

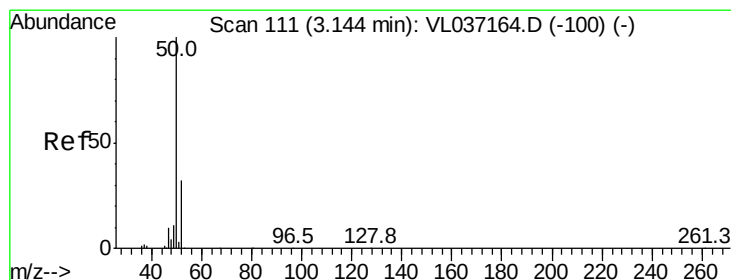
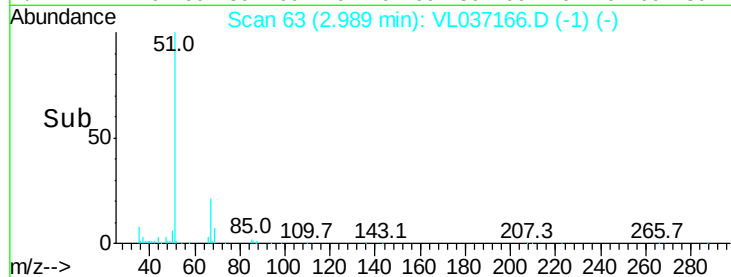
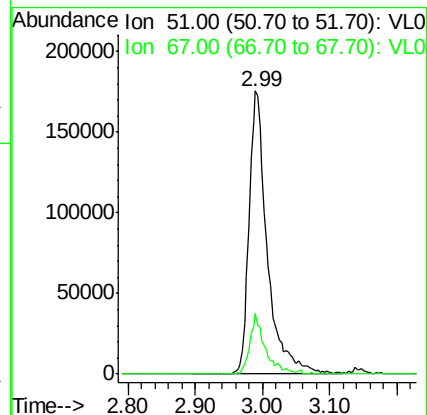
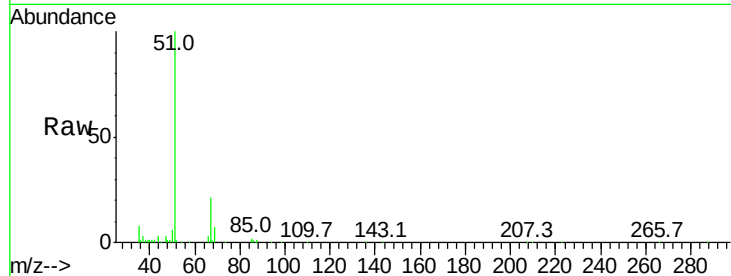
VSTDIC001

Tgt Ion: 51 Resp: 328904

Ion Ratio Lower Upper

51 100

67 18.6 15.8 23.6



#4

Chloromethane

Concen: 1.031 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL037166.D

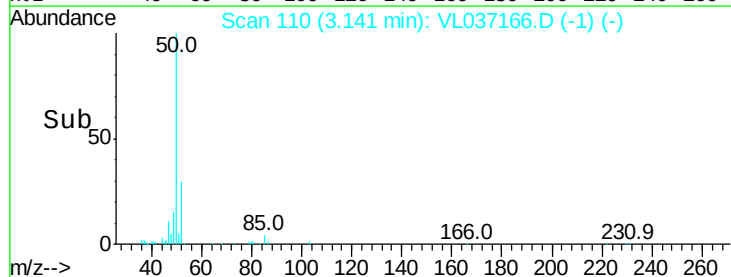
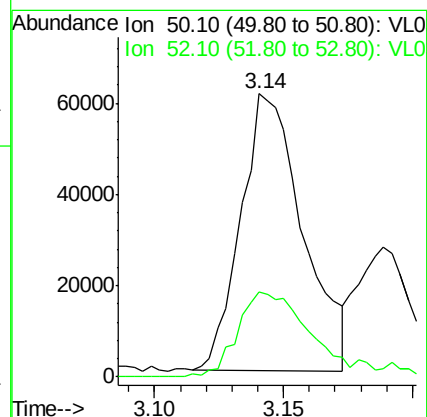
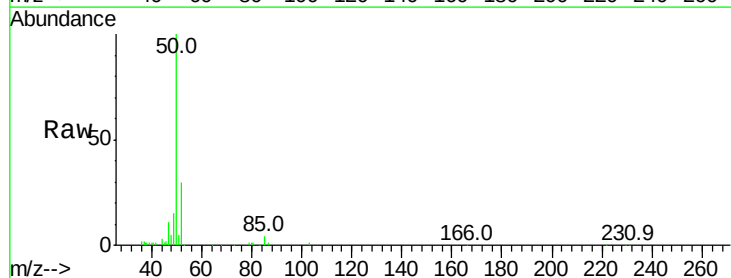
Acq: 16 Jun 2021 10:42

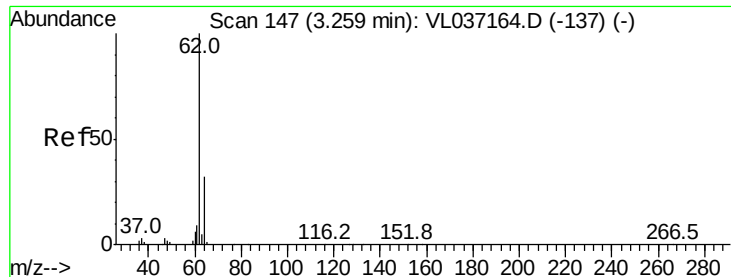
Tgt Ion: 50 Resp: 101982

Ion Ratio Lower Upper

50 100

52 29.8 25.8 38.8





#5

Vinyl Chloride

Concen: 1.136 ppbv

RT: 3.26 min Scan# 146

Delta R.T. -0.00 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

Instrument :

MSVOA_L

ClientSampleId :

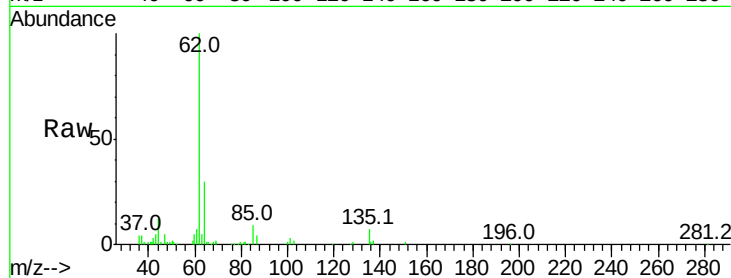
VSTDIC001

Tgt Ion: 62 Resp: 108756

Ion Ratio Lower Upper

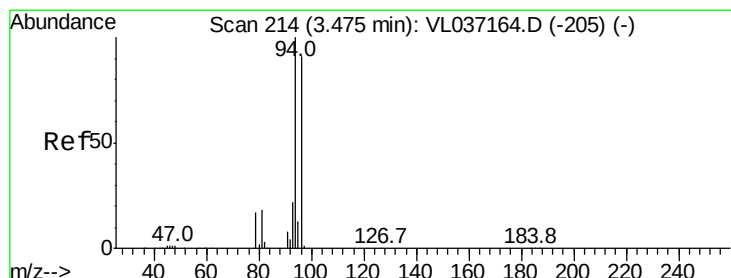
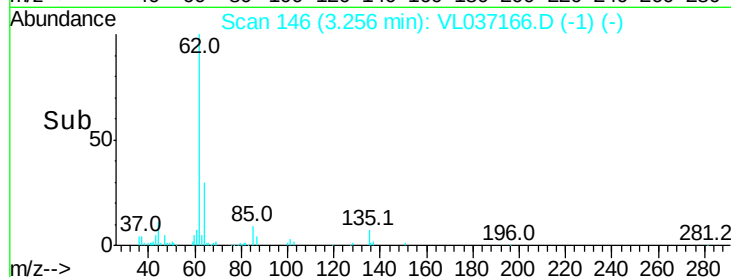
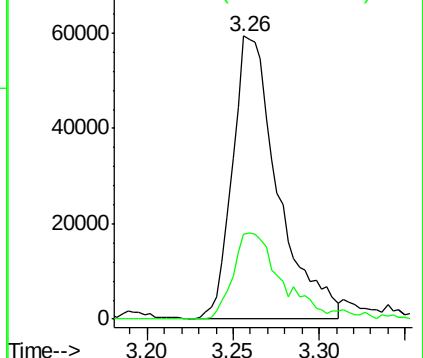
62 100

64 29.9 25.6 38.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 1.065 ppbv

RT: 3.48 min Scan# 215

Delta R.T. 0.00 min

Lab File: VL037166.D

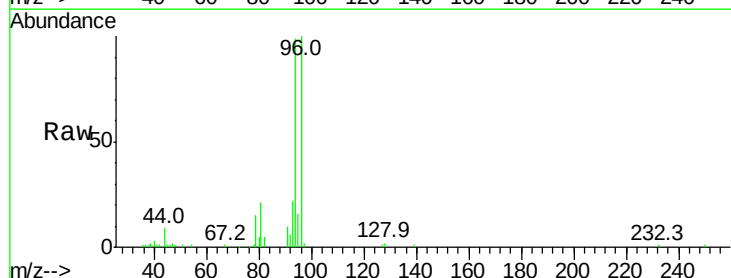
Acq: 16 Jun 2021 10:42

Tgt Ion: 94 Resp: 64828

Ion Ratio Lower Upper

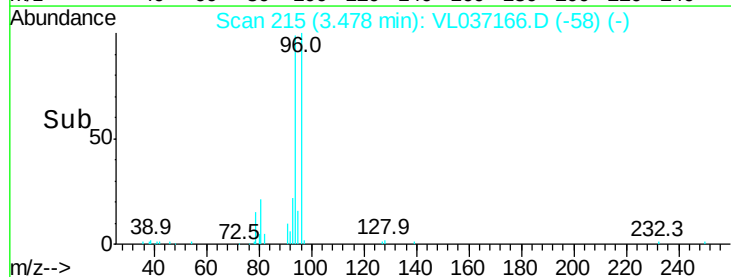
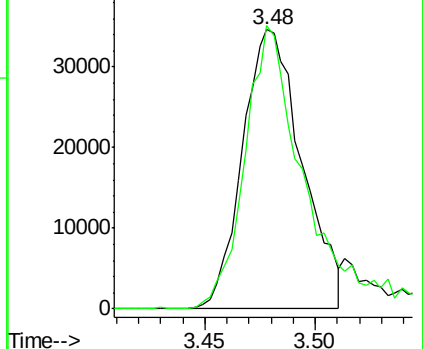
94 100

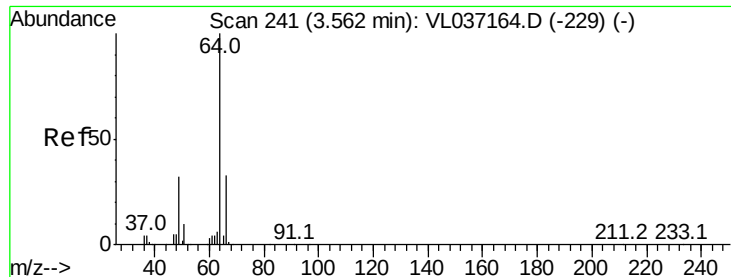
96 101.4 72.6 108.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 1.049 ppbv

RT: 3.56 min Scan# 242

Delta R.T. 0.00 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

Instrument :

MSVOA_L

ClientSampleId :

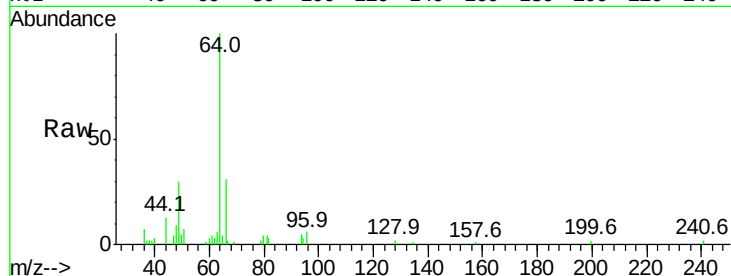
VSTDIC001

Tgt Ion: 64 Resp: 39194

Ion Ratio Lower Upper

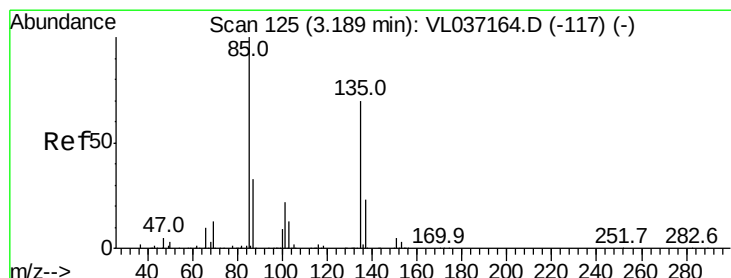
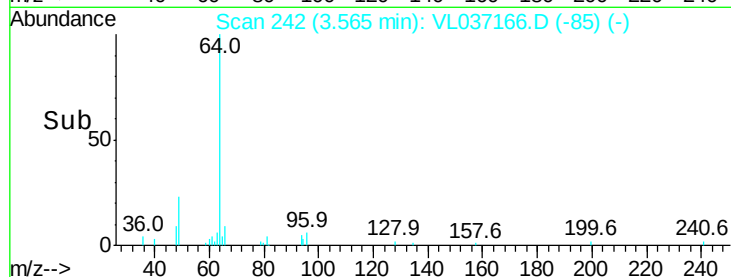
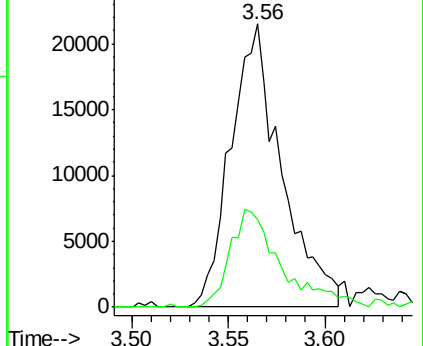
64 100

66 32.7 26.2 39.4



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 1.138 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.00 min

Lab File: VL037166.D

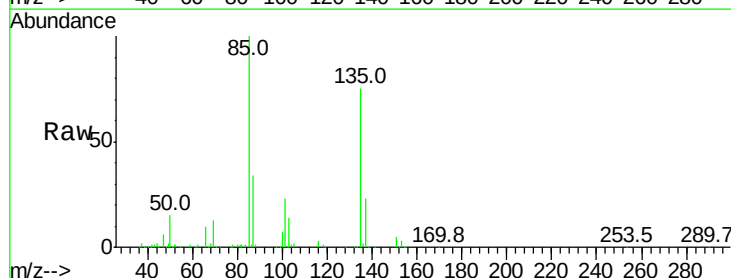
Acq: 16 Jun 2021 10:42

Tgt Ion: 85 Resp: 299681

Ion Ratio Lower Upper

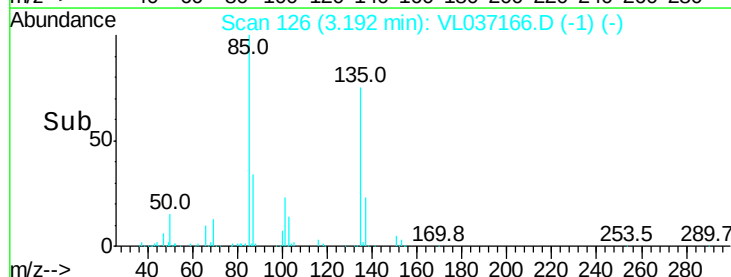
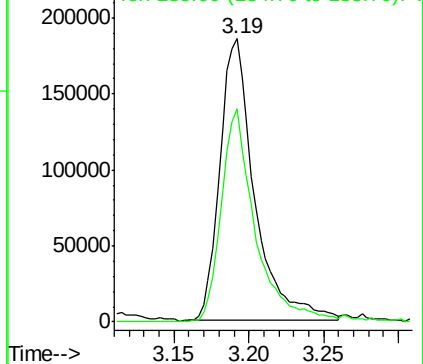
85 100

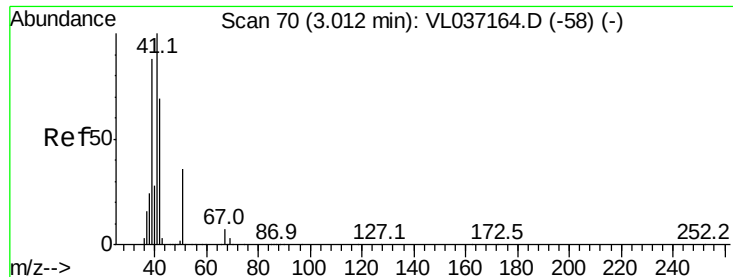
135 76.0 60.4 90.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.467 ppbv

RT: 3.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VL037166.D

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ClientSampleId :

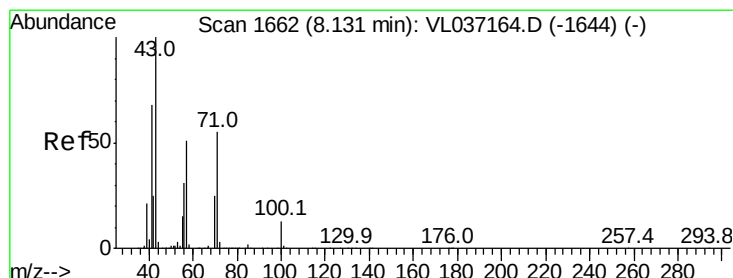
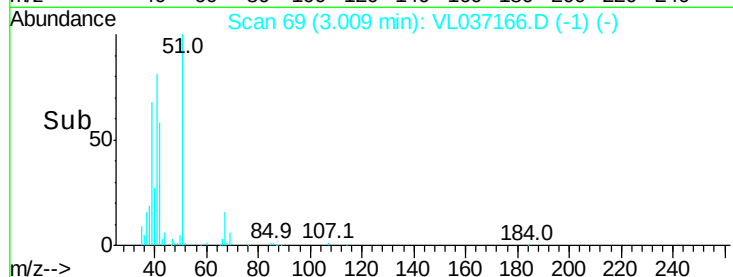
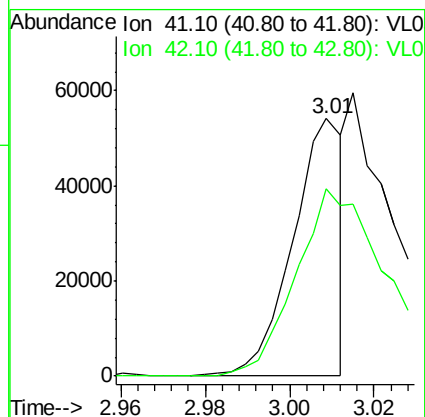
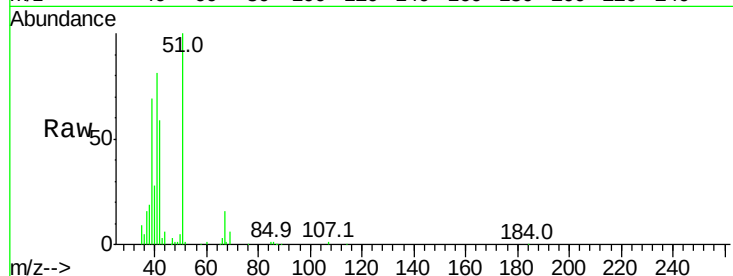
VSTDIC001

Tgt Ion: 41 Resp: 44703

Ion Ratio Lower Upper

41 100

42 149.6 54.5 81.7#



#10

Heptane

Concen: 1.042 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. 0.00 min

Lab File: VL037166.D

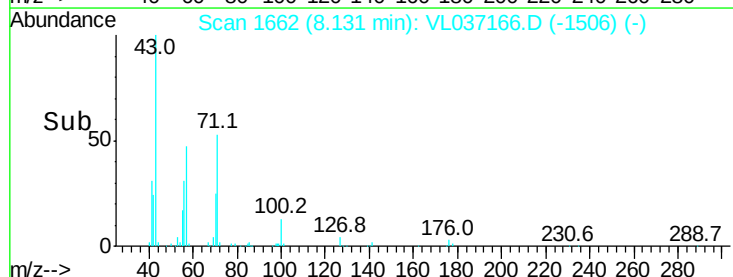
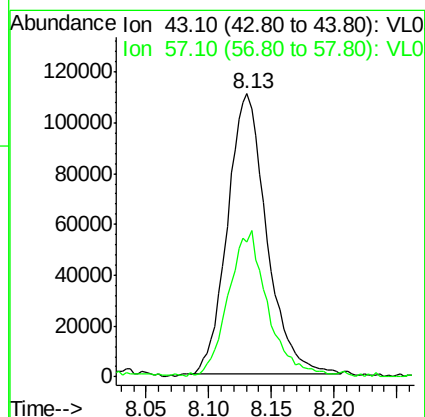
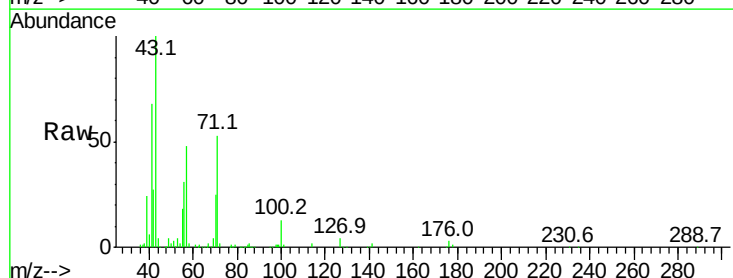
Acq: 16 Jun 2021 10:42

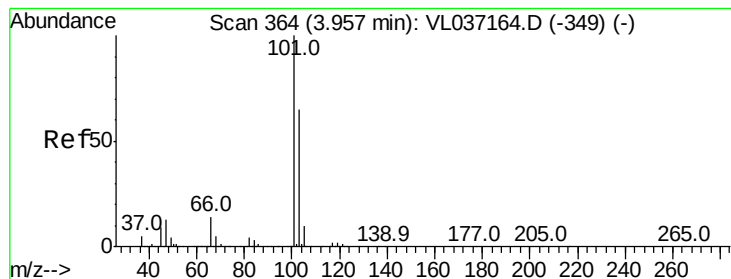
Tgt Ion: 43 Resp: 237968

Ion Ratio Lower Upper

43 100

57 52.2 40.6 61.0





#11

Trichlorofluoromethane

Concen: 1.070 ppbv

RT: 3.95 min Scan# 363

Delta R.T. -0.00 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

Instrument :

MSVOA_L

ClientSampleId :

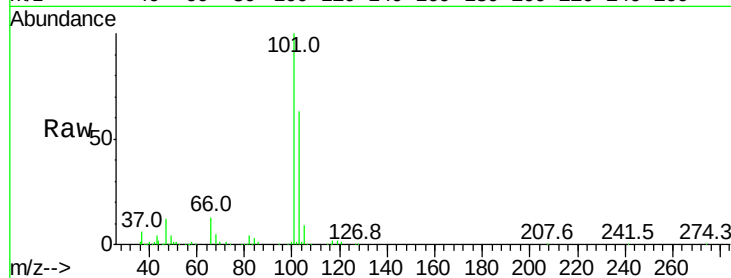
VSTDIC001

Tgt Ion:101 Resp: 299204

Ion Ratio Lower Upper

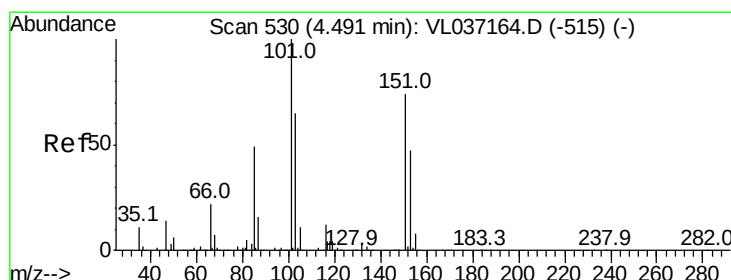
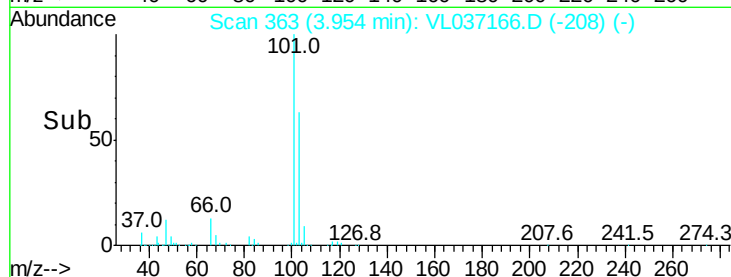
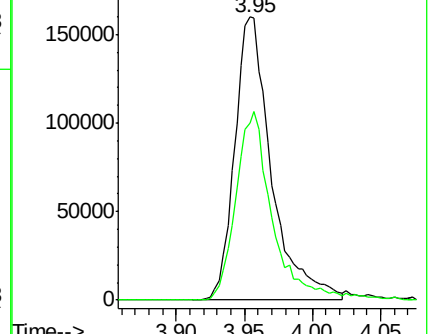
101 100

103 62.5 52.2 78.4



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: 1.089 ppbv

RT: 4.49 min Scan# 530

Delta R.T. 0.00 min

Lab File: VL037166.D

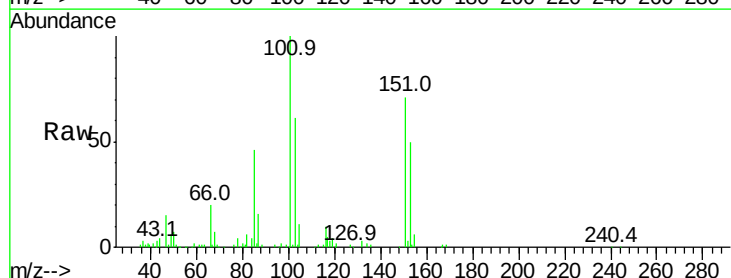
Acq: 16 Jun 2021 10:42

Tgt Ion:101 Resp: 208929

Ion Ratio Lower Upper

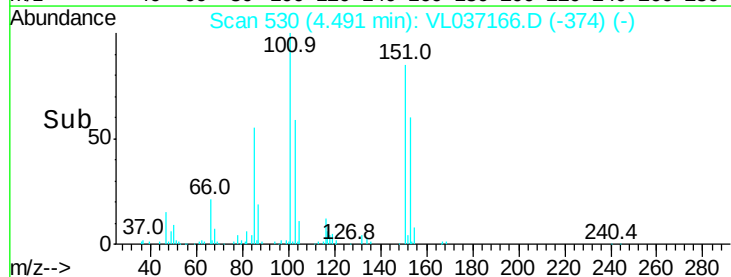
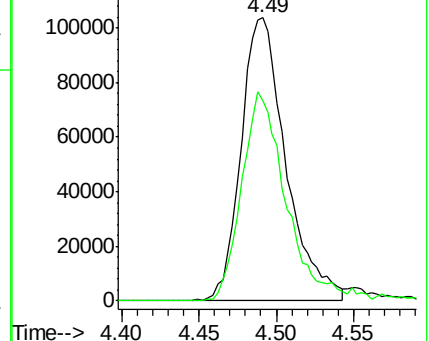
101 100

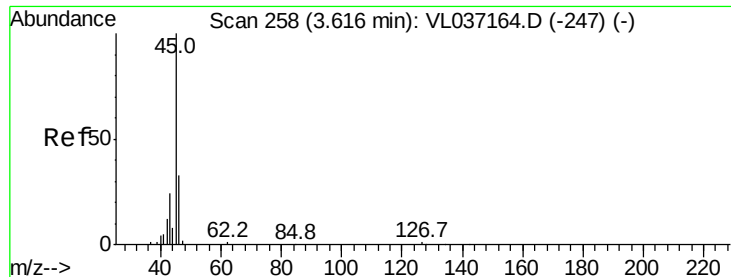
151 75.2 59.1 88.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

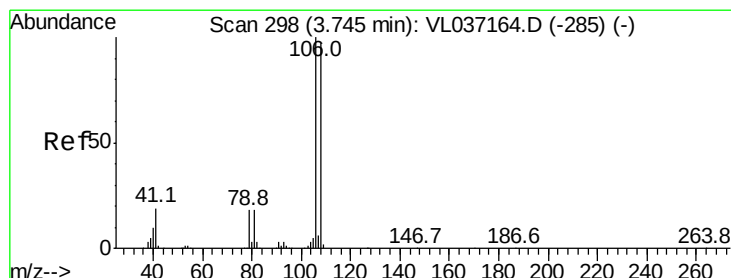
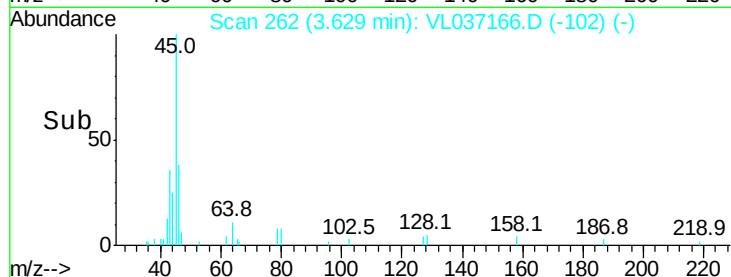
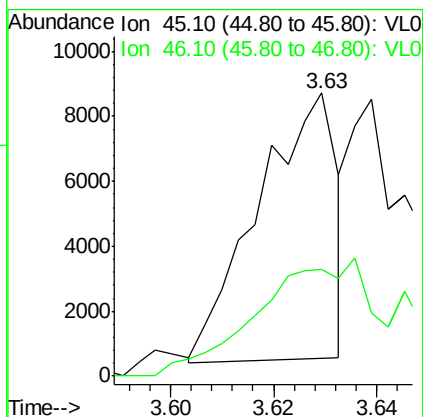
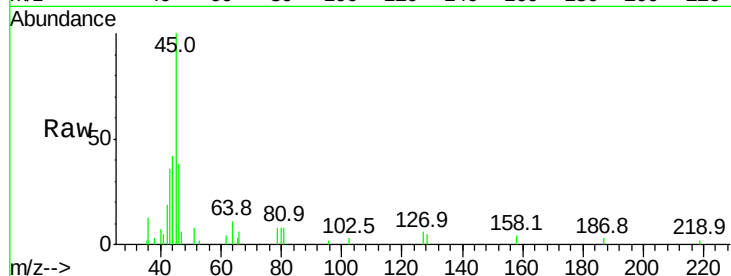




#13
Ethanol
Concen: 0.656 ppbv
RT: 3.63 min Scan# 262
Delta R.T. 0.01 min
Lab File: VL037166.D
Acq: 16 Jun 2021 10:42

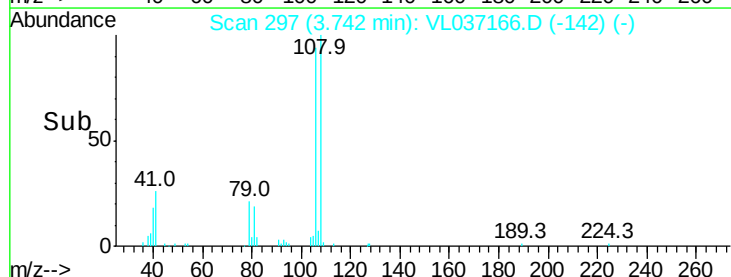
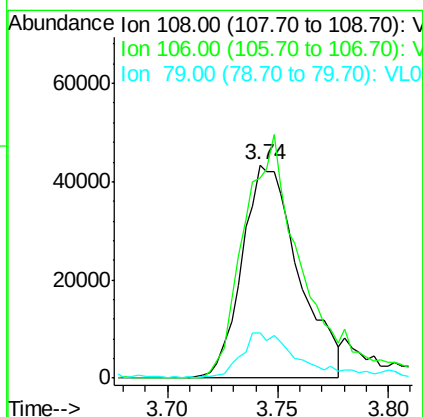
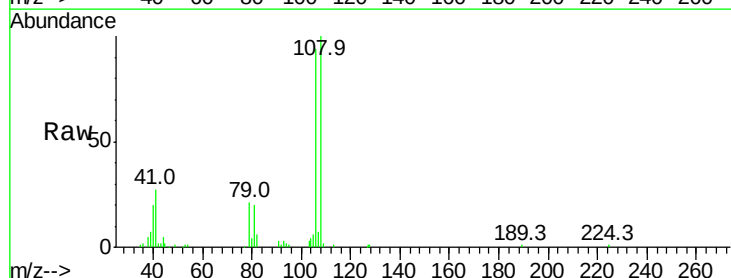
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

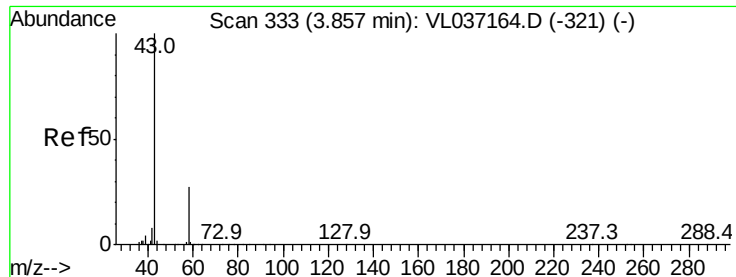
Tgt Ion: 45 Resp: 8689
Ion Ratio Lower Upper
45 100
46 0.0 34.2 137.0#



#14
Bromoethene
Concen: 0.929 ppbv
RT: 3.74 min Scan# 297
Delta R.T. -0.00 min
Lab File: VL037166.D
Acq: 16 Jun 2021 10:42

Tgt Ion: 108 Resp: 77143
Ion Ratio Lower Upper
108 100
106 125.4 86.8 130.2
79 24.1 15.6 23.4#





#15

Acetone

Concen: 1.024 ppbv

RT: 3.87 min Scan# 336

Delta R.T. 0.01 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

Instrument :

MSVOA_L

ClientSampleId :

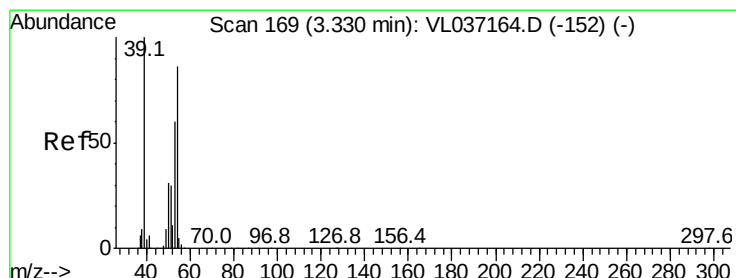
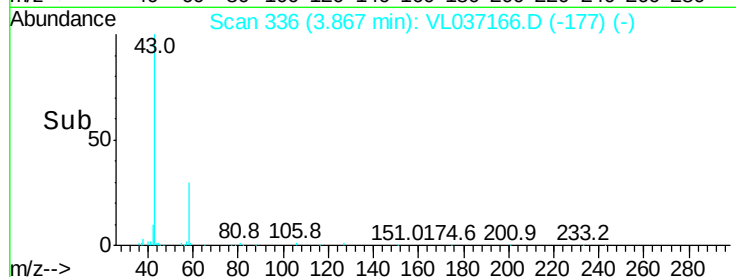
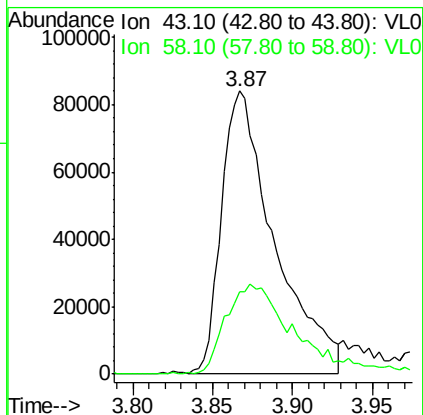
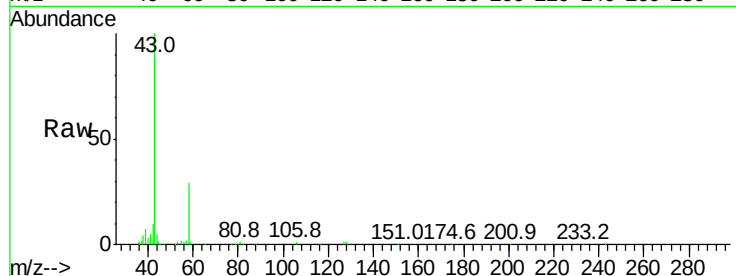
VSTDIC001

Tgt Ion: 43 Resp: 189615

Ion Ratio Lower Upper

43 100

58 42.1 23.7 35.5#



#16

1,3-Butadiene

Concen: 0.976 ppbv

RT: 3.33 min Scan# 168

Delta R.T. -0.00 min

Lab File: VL037166.D

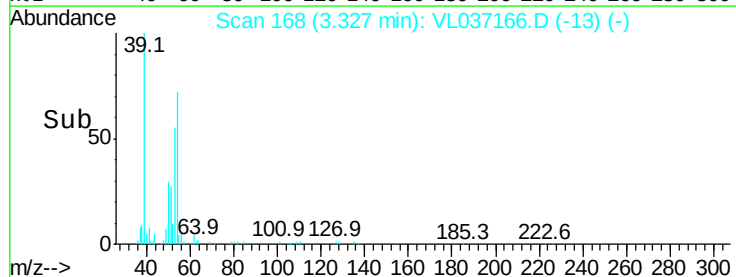
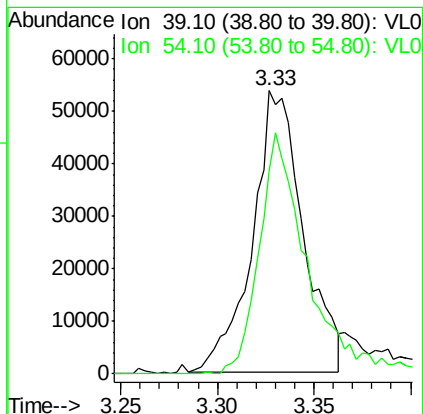
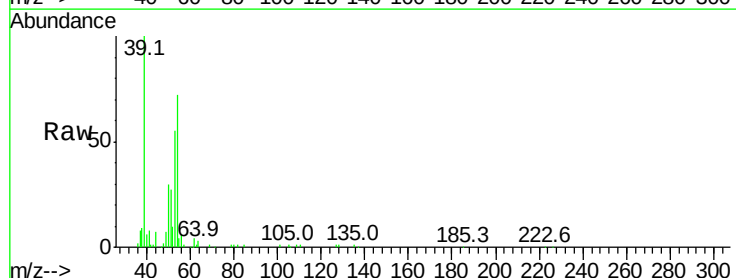
Acq: 16 Jun 2021 10:42

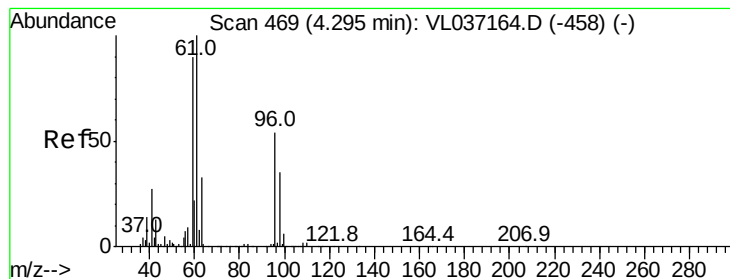
Tgt Ion: 39 Resp: 97590

Ion Ratio Lower Upper

39 100

54 83.5 61.2 91.8





#17

tert-Butyl alcohol

Concen: 0.944 ppbv

RT: 4.32 min Scan# 476

Delta R.T. 0.02 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

Instrument :

MSVOA_L

ClientSampleId :

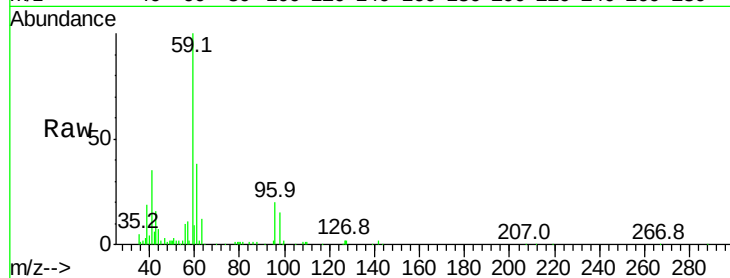
VSTDIC001

Tgt Ion: 59 Resp: 151411

Ion Ratio Lower Upper

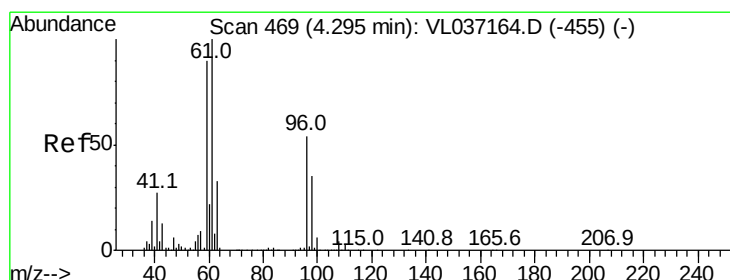
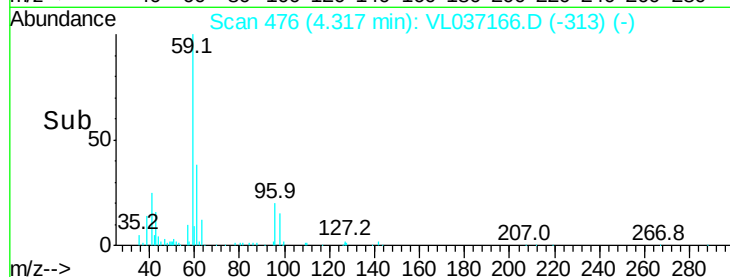
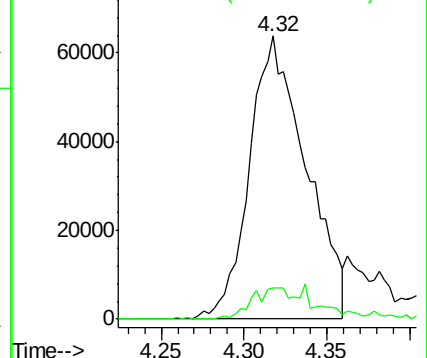
59 100

57 13.3 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: 1.010 ppbv

RT: 4.29 min Scan# 469

Delta R.T. 0.00 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

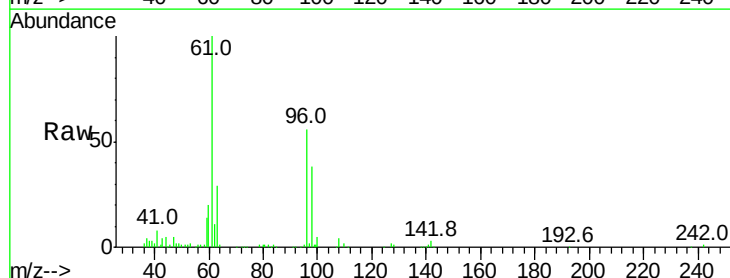
Tgt Ion: 96 Resp: 87407

Ion Ratio Lower Upper

96 100

61 178.5 148.6 222.8

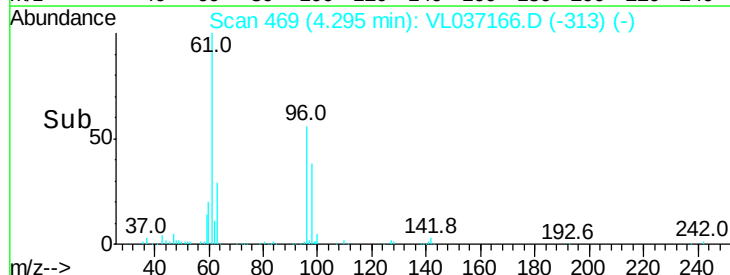
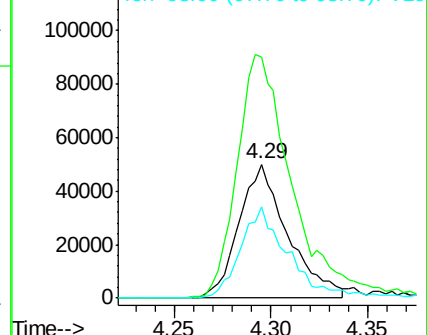
98 68.1 51.9 77.9

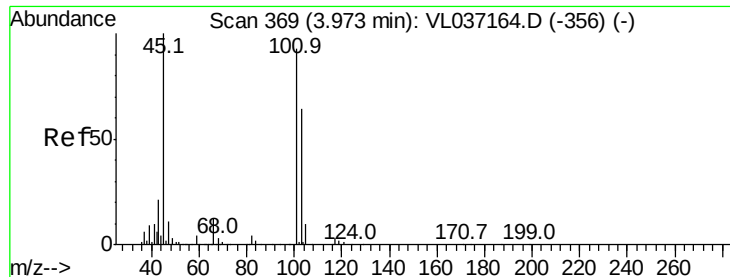


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 0.469 ppbv

RT: 4.00 min Scan# 377

Delta R.T. 0.03 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

Instrument :

MSVOA_L

ClientSampleId :

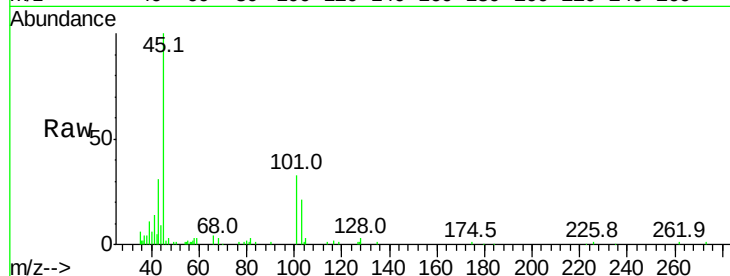
VSTDIC001

Tgt Ion: 45 Resp: 47718

Ion Ratio Lower Upper

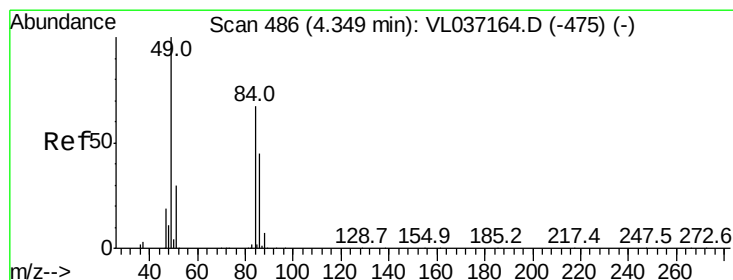
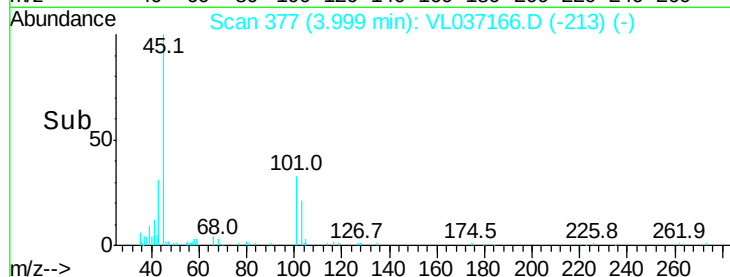
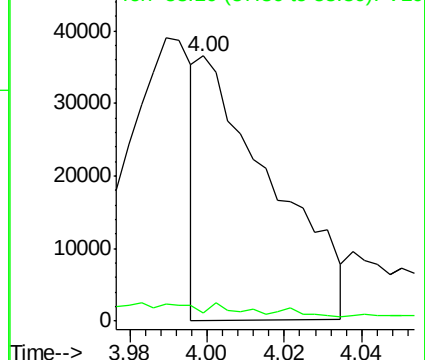
45 100

58 14.1 2.4 3.6#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 1.535 ppbv

RT: 4.35 min Scan# 487

Delta R.T. 0.00 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

Tgt Ion: 84 Resp: 123972

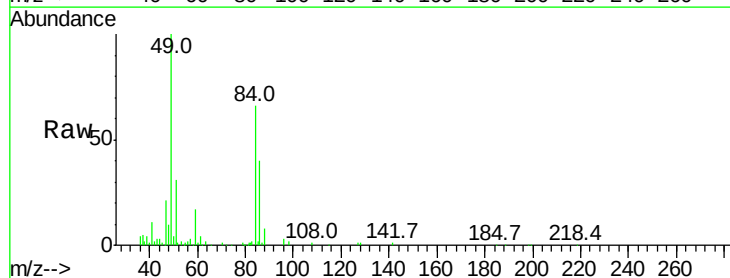
Ion Ratio Lower Upper

84 100

49 149.5 119.7 179.5

51 43.1 36.1 54.1

86 61.0 53.7 80.5

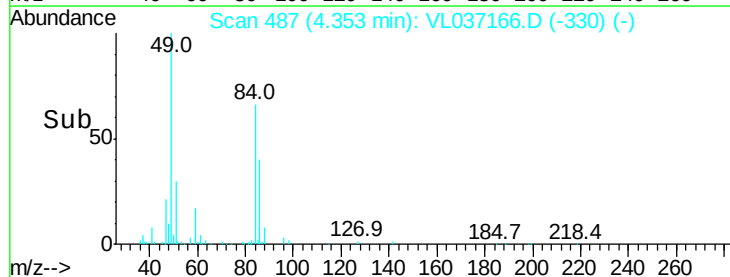
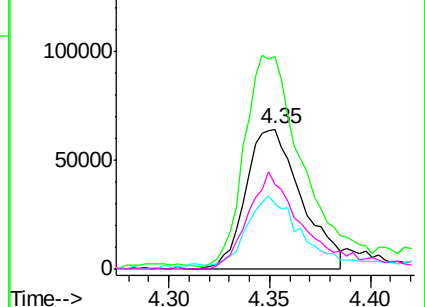


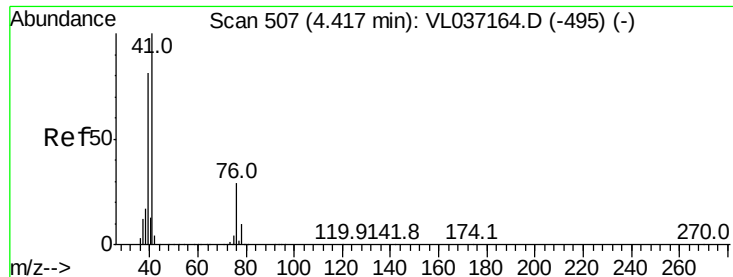
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





#21

Allyl Chloride

Concen: 0.921 ppbv

RT: 4.42 min Scan# 507

Delta R.T. 0.00 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

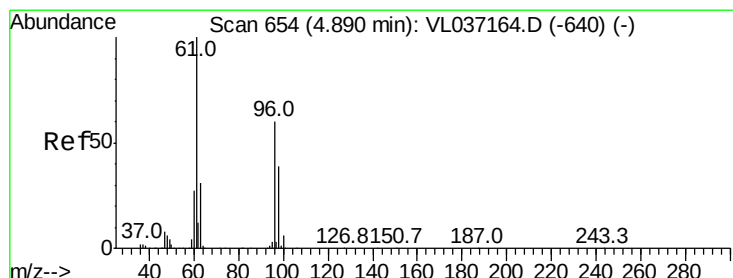
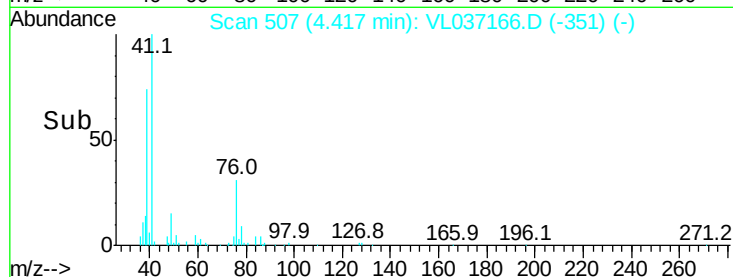
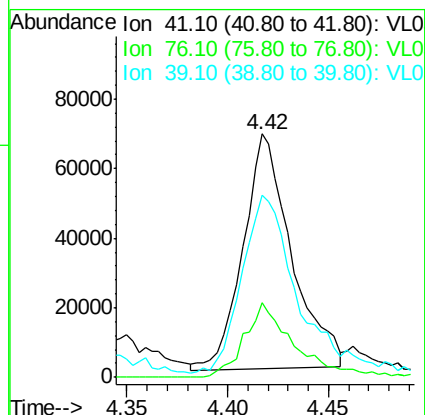
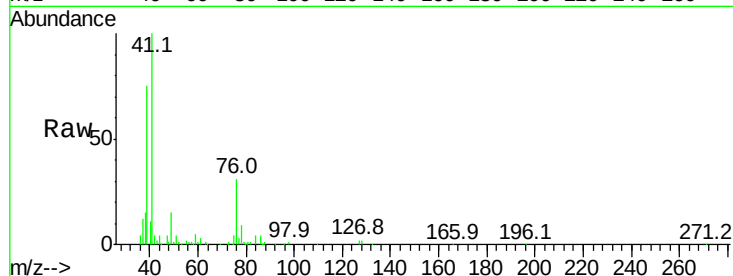
Tgt Ion: 41 Resp: 113968

Ion Ratio Lower Upper

41 100

76 33.6 24.6 37.0

39 92.9 65.4 98.0



#22

trans-1,2-Dichloroethene

Concen: 0.972 ppbv

RT: 4.89 min Scan# 655

Delta R.T. 0.00 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

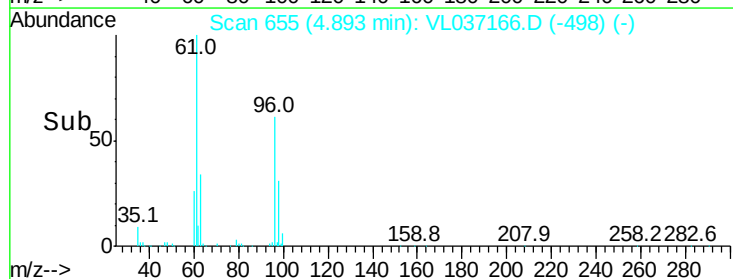
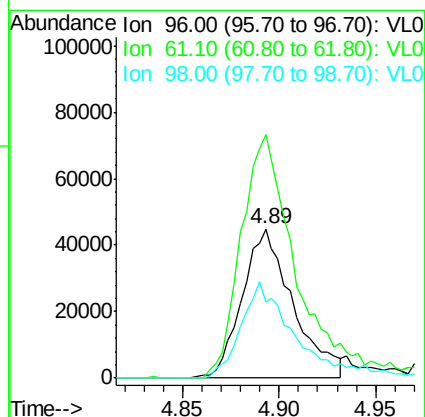
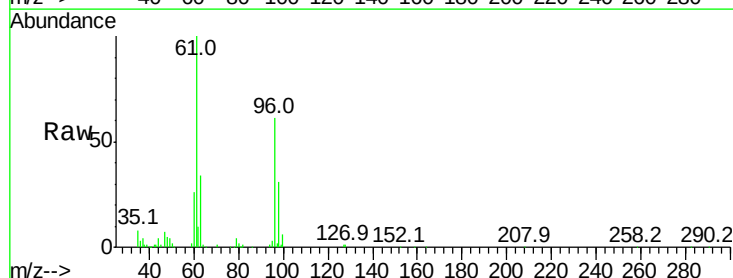
Tgt Ion: 96 Resp: 82004

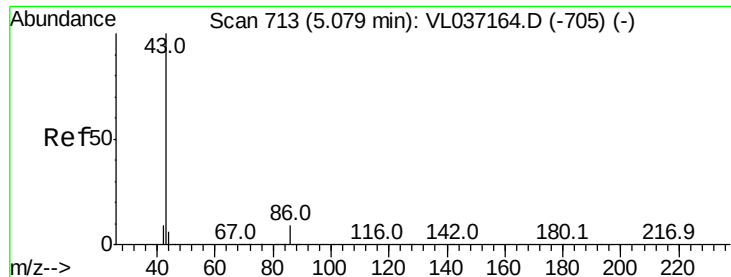
Ion Ratio Lower Upper

96 100

61 163.2 133.9 200.9

98 51.2 52.9 79.3#





#23

Vinyl Acetate

Concen: 0.888 ppbv

RT: 5.08 min Scan# 714

Delta R.T. 0.00 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 43 Resp: 215991

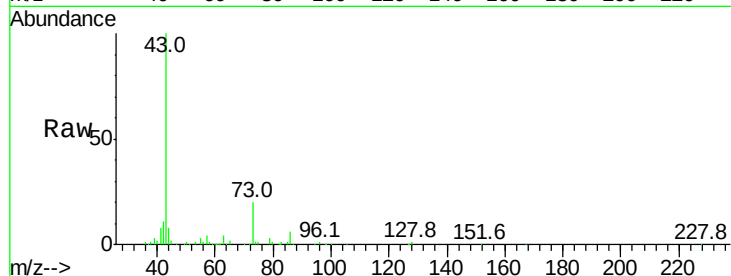
Ion Ratio Lower Upper

43 100

86 6.7 5.8 8.8

42 10.9 8.2 12.2

44 5.8 4.2 6.4

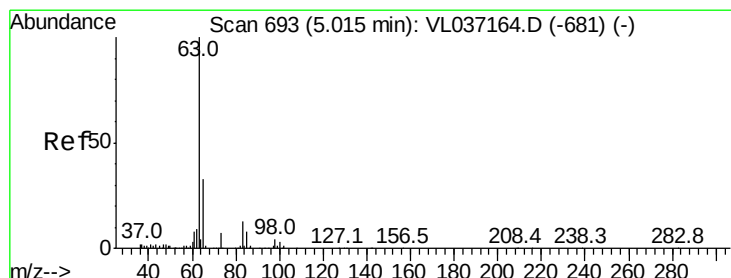
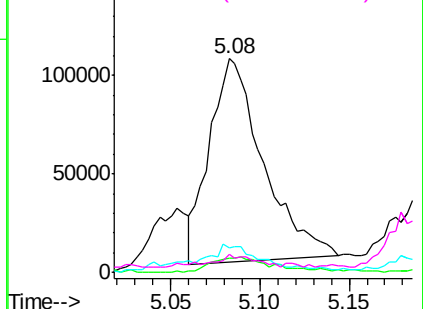
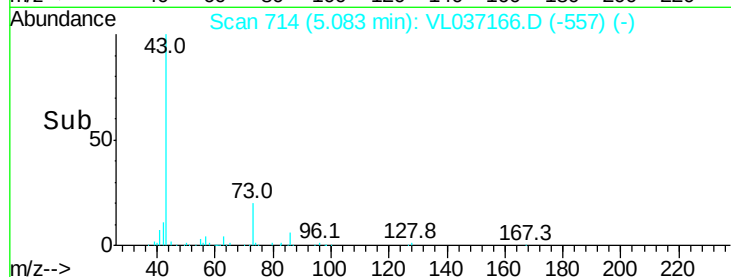


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 1.033 ppbv

RT: 5.02 min Scan# 693

Delta R.T. 0.00 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

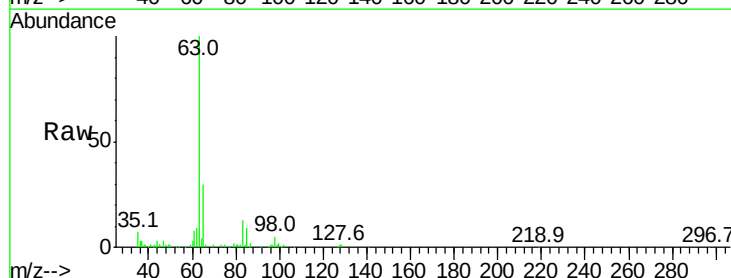
Tgt Ion: 63 Resp: 201674

Ion Ratio Lower Upper

63 100

98 4.6 2.1 6.5

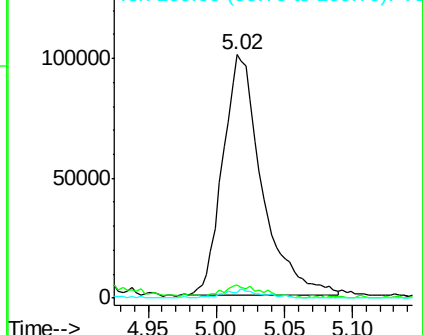
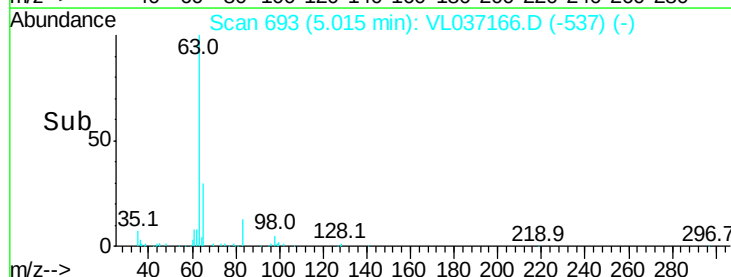
100 2.3 1.4 4.0

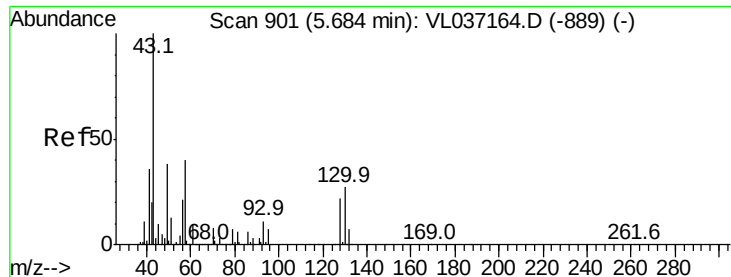


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 1.123 ppbv

RT: 5.69 min Scan# 904

Delta R.T. 0.01 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 43 Resp: 407529

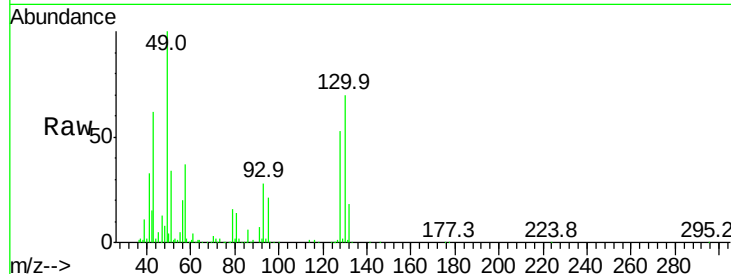
Ion Ratio Lower Upper

43 100

45 9.4 8.0 12.0

61 9.9 8.1 12.1

70 5.9 5.5 8.3



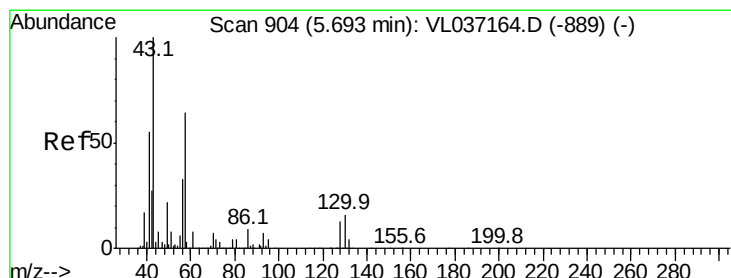
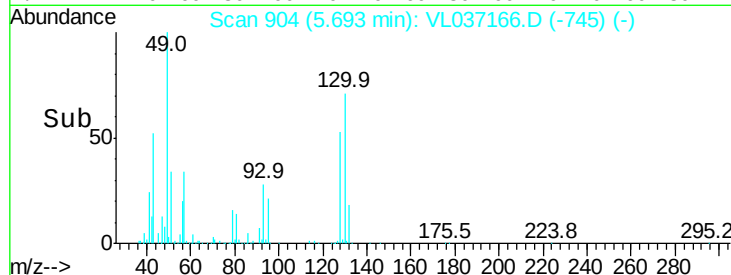
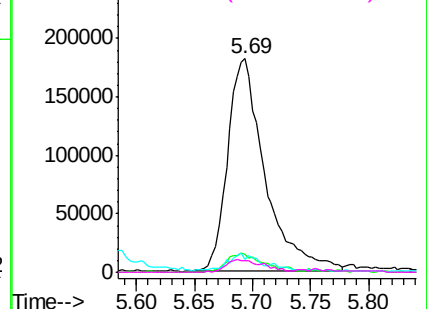
Abundance

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: 1.145 ppbv

RT: 5.69 min Scan# 904

Delta R.T. 0.00 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

Tgt Ion: 57 Resp: 206647

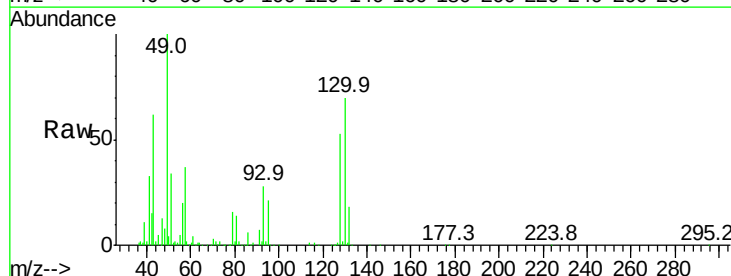
Ion Ratio Lower Upper

57 100

41 100.8 73.5 110.3

43 203.1 170.7 256.1

56 57.5 42.4 63.6



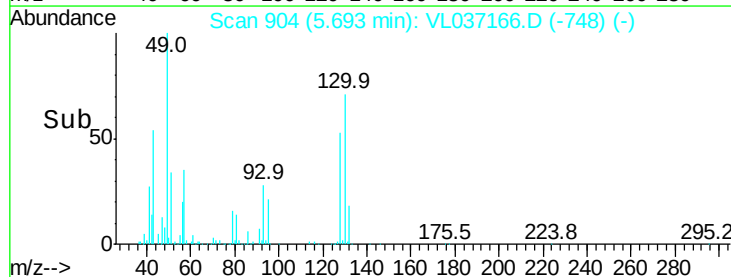
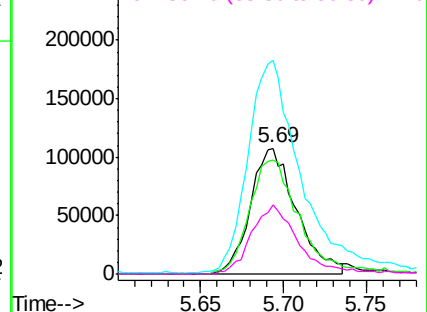
Abundance

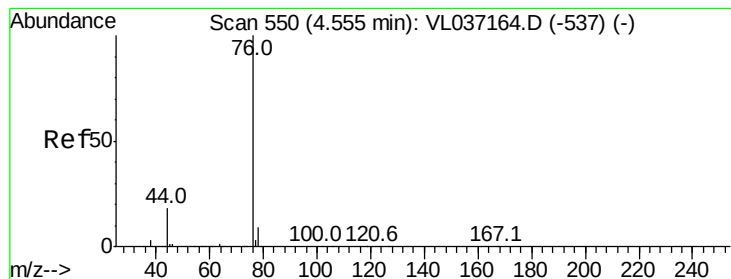
Ion 57.10 (56.80 to 57.80): VL0

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: 0.957 ppbv

RT: 4.56 min Scan# 551

Delta R.T. 0.00 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

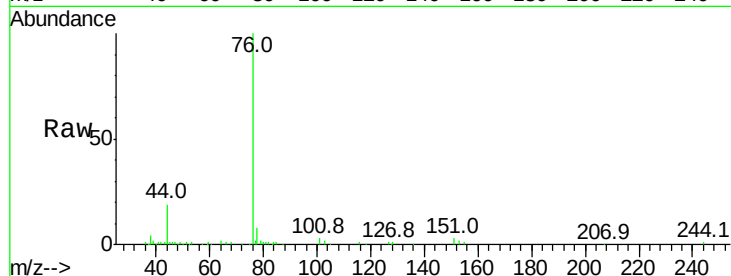
Tgt Ion: 76 Resp: 175157

Ion Ratio Lower Upper

76 100

44 22.3 15.4 23.2

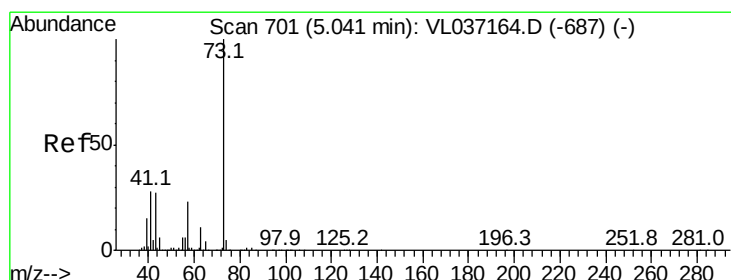
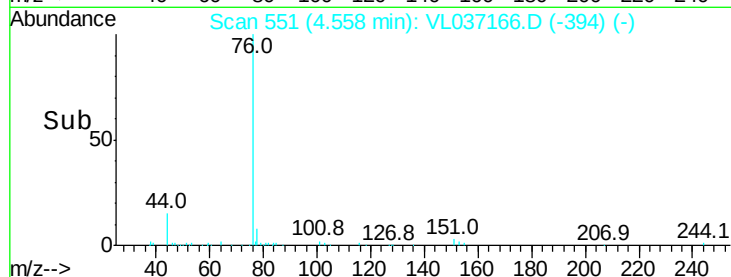
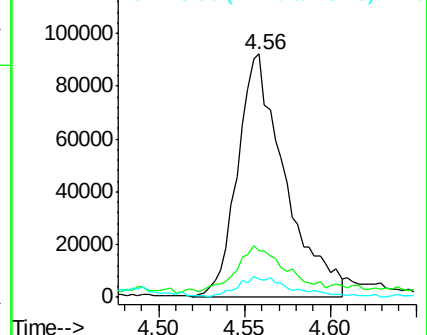
78 10.4 8.0 12.0



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 1.068 ppbv

RT: 5.05 min Scan# 704

Delta R.T. 0.01 min

Lab File: VL037166.D

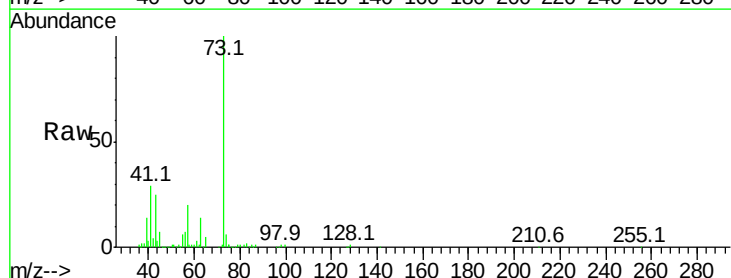
Acq: 16 Jun 2021 10:42

Tgt Ion: 73 Resp: 241517

Ion Ratio Lower Upper

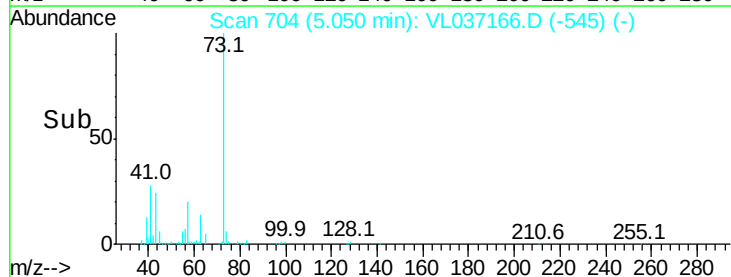
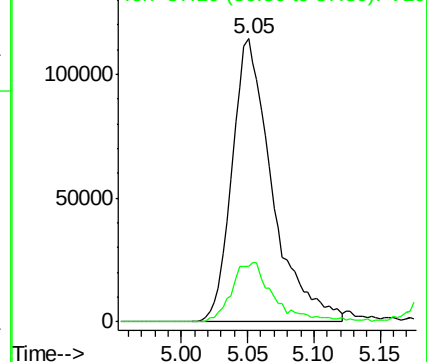
73 100

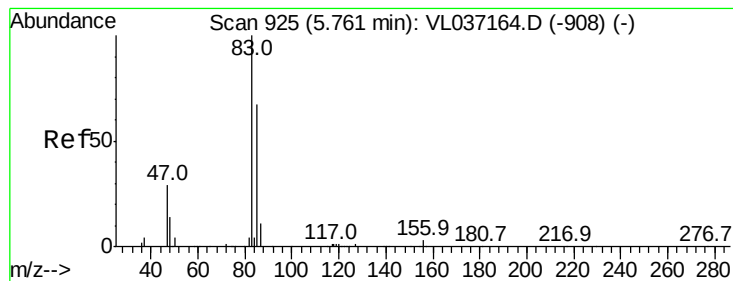
57 22.1 18.0 27.0



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 1.045 ppbv

RT: 5.75 min Scan# 923

Delta R.T. -0.01 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

Instrument :

MSVOA_L

ClientSampleId :

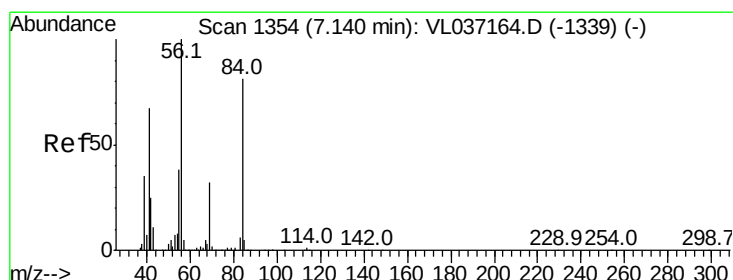
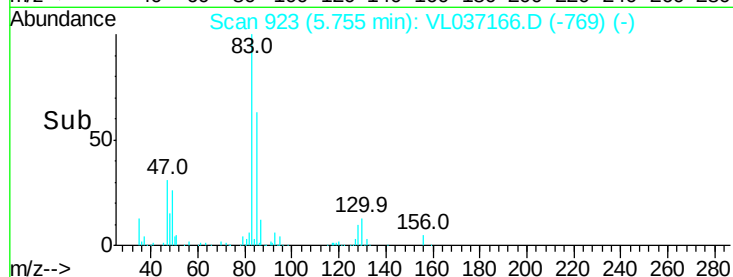
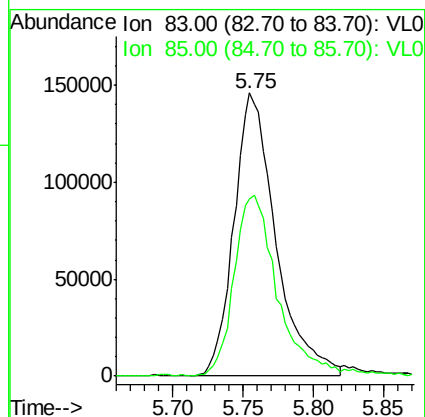
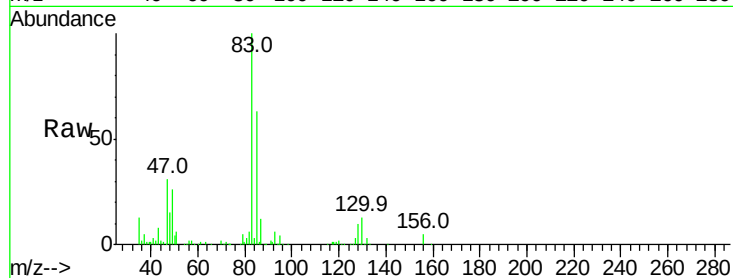
VSTDIC001

Tgt Ion: 83 Resp: 304674

Ion Ratio Lower Upper

83 100

85 62.3 53.6 80.4



#30

Cyclohexane

Concen: 1.067 ppbv

RT: 7.14 min Scan# 1353

Delta R.T. -0.00 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

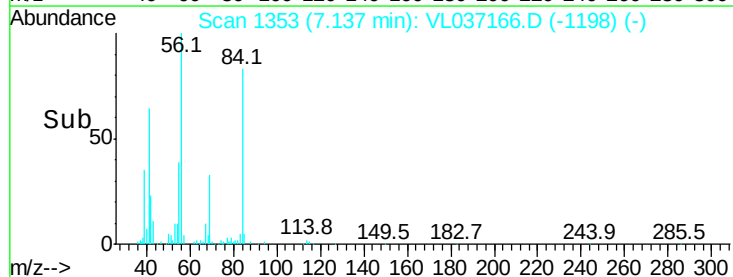
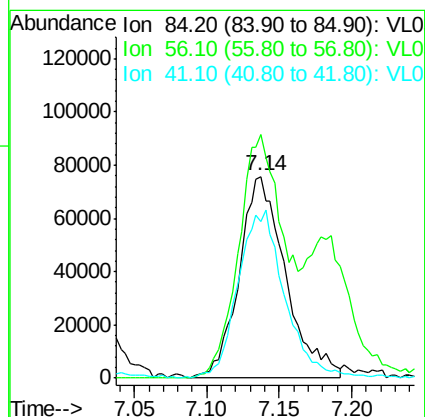
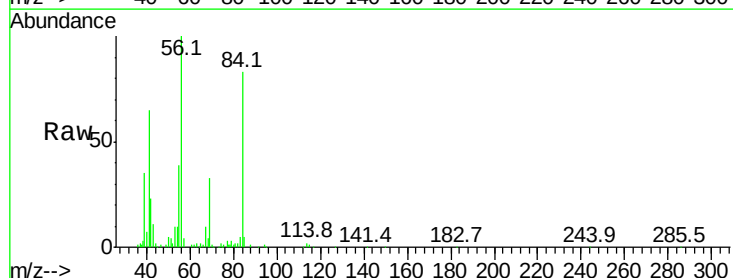
Tgt Ion: 84 Resp: 167905

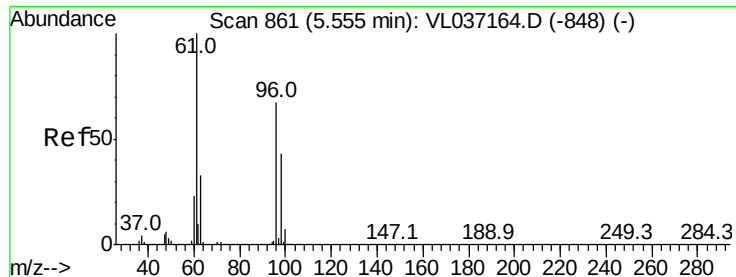
Ion Ratio Lower Upper

84 100

56 121.7 107.7 161.5

41 84.5 69.0 103.6



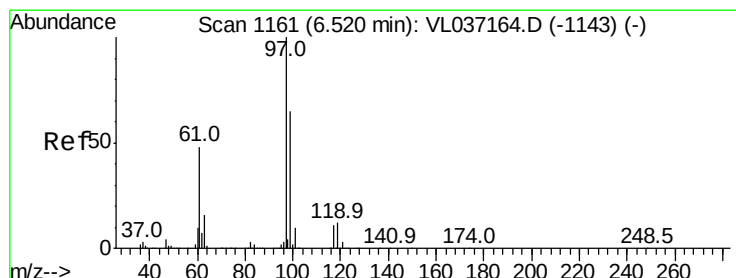
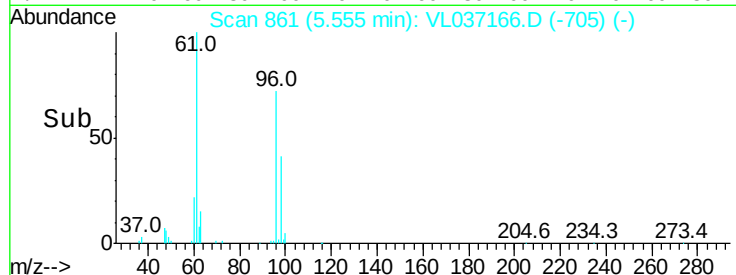
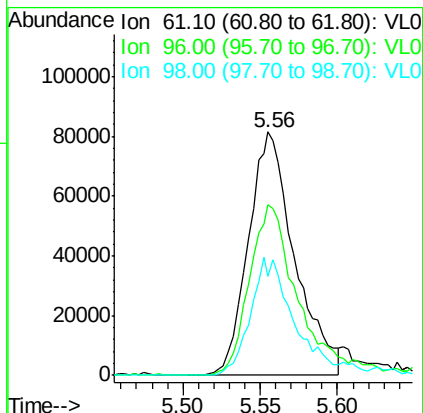
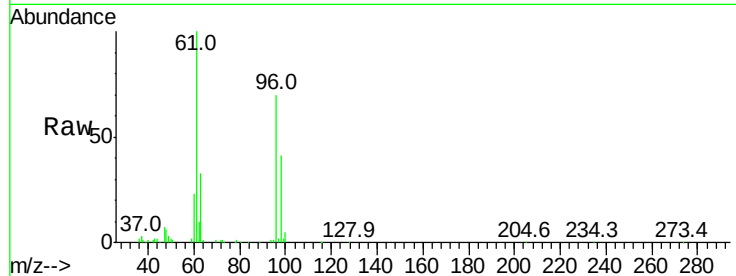


#31

cis-1,2-Dichloroethene
Concen: 0.975 ppbv
RT: 5.56 min Scan# 861
Delta R.T. 0.00 min
Lab File: VL037166.D
Acq: 16 Jun 2021 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

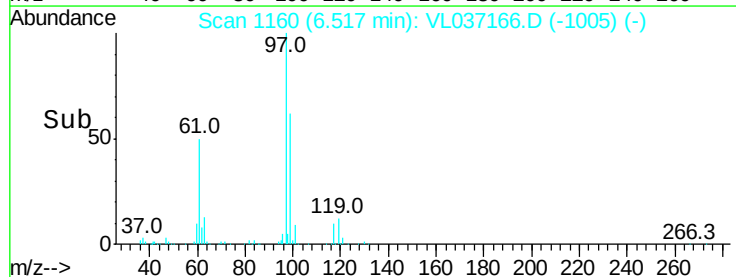
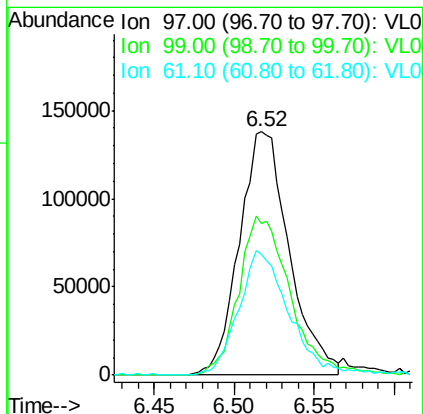
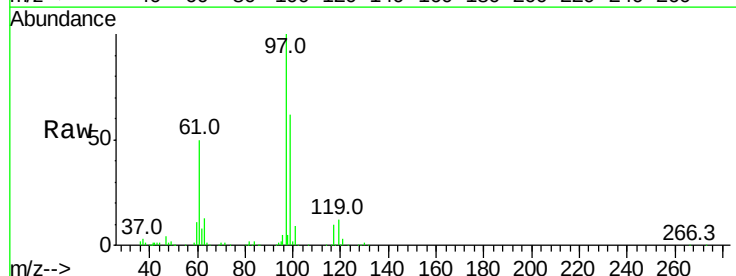
Tgt Ion:	61	Resp:	169595
Ion	Ratio	Lower	Upper
61	100		
96	70.3	53.6	80.4
98	40.3	34.7	52.1

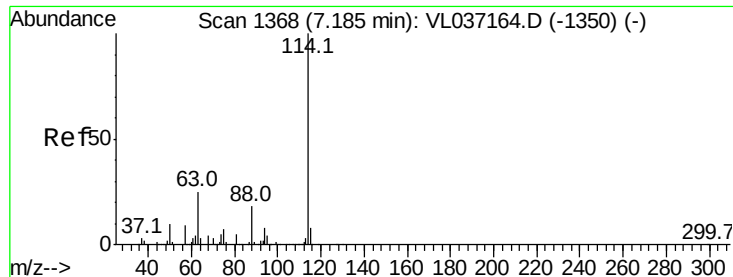


#32

1,1,1-Trichloroethane
Concen: 1.101 ppbv
RT: 6.52 min Scan# 1160
Delta R.T. -0.00 min
Lab File: VL037166.D
Acq: 16 Jun 2021 10:42

Tgt Ion:	97	Resp:	294702
Ion	Ratio	Lower	Upper
97	100		
99	67.5	52.2	78.4
61	52.6	38.8	58.2

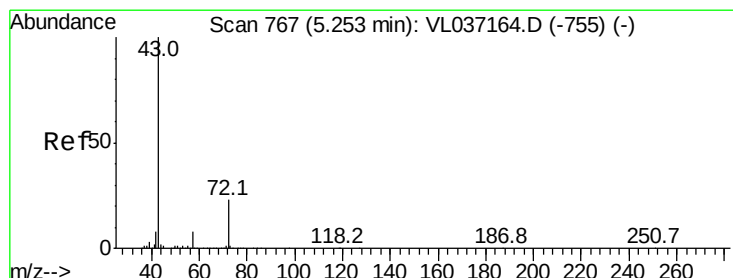
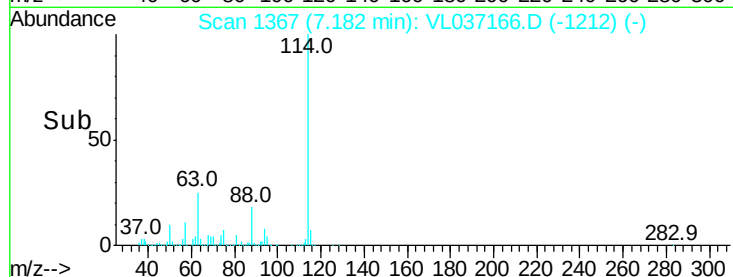
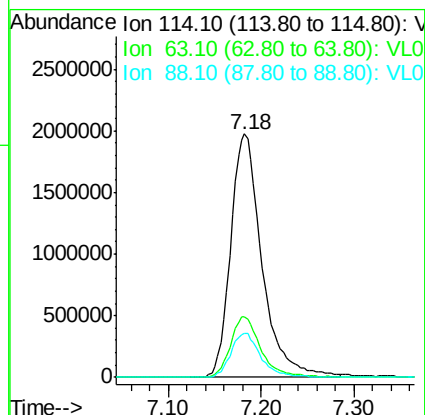
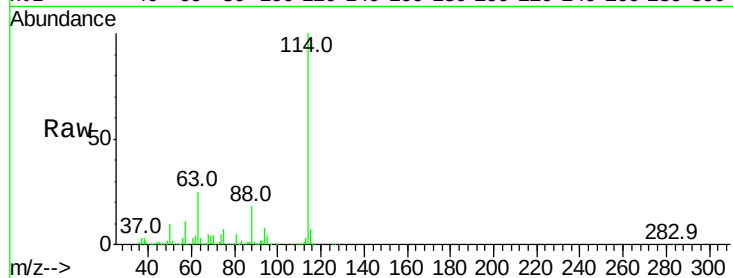




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. -0.00 min
 Lab File: VL037166.D
 Acq: 16 Jun 2021 10:42

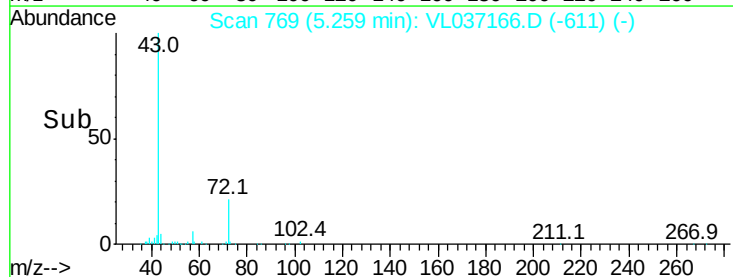
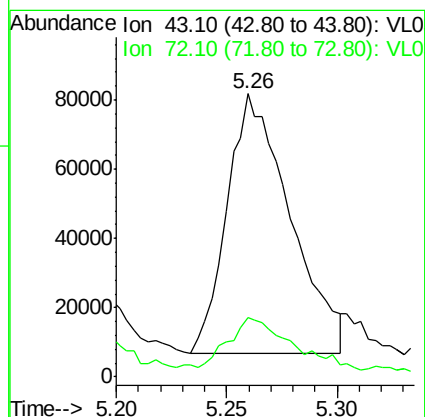
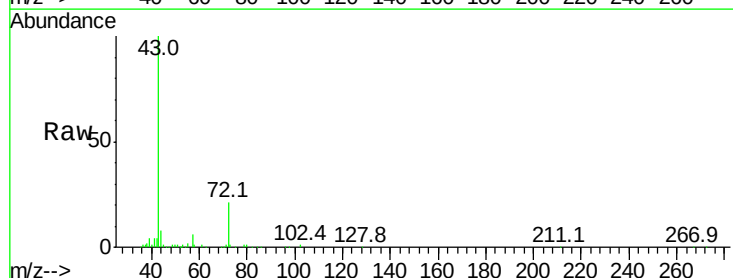
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

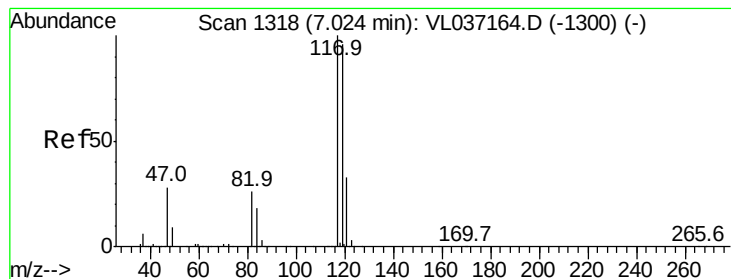
Tgt Ion:114 Resp: 4615895
 Ion Ratio Lower Upper
 114 100
 63 24.4 19.6 29.4
 88 17.7 14.2 21.2



#34
 2-Butanone
 Concen: 0.858 ppbv
 RT: 5.26 min Scan# 769
 Delta R.T. 0.01 min
 Lab File: VL037166.D
 Acq: 16 Jun 2021 10:42

Tgt Ion: 43 Resp: 148743
 Ion Ratio Lower Upper
 43 100
 72 31.0 18.9 28.3#





#35

Carbon Tetrachloride

Concen: 1.099 ppbv

RT: 7.02 min Scan# 1318

Delta R.T. 0.00 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

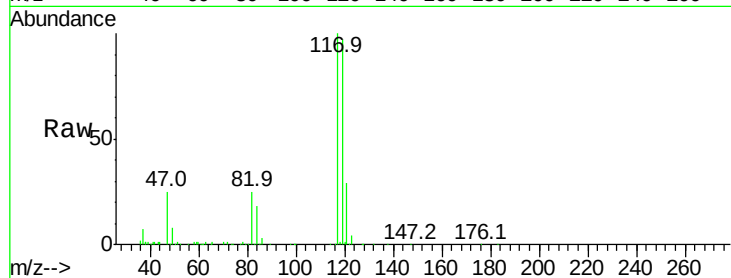
Tgt Ion:117 Resp: 311901

Ion Ratio Lower Upper

117 100

119 97.0 76.6 114.8

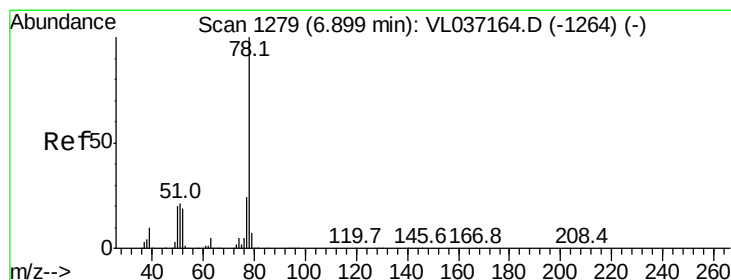
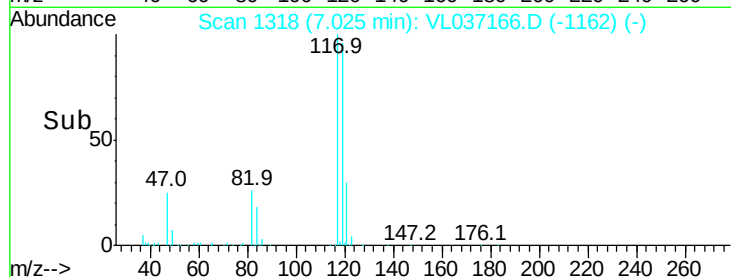
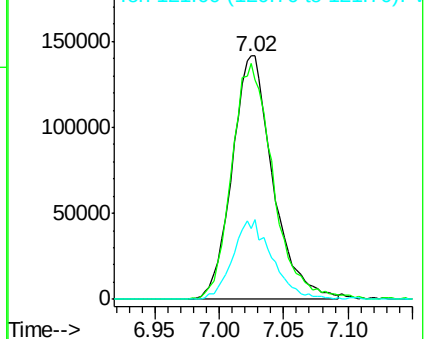
121 29.2 26.4 39.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 1.039 ppbv

RT: 6.90 min Scan# 1279

Delta R.T. 0.00 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

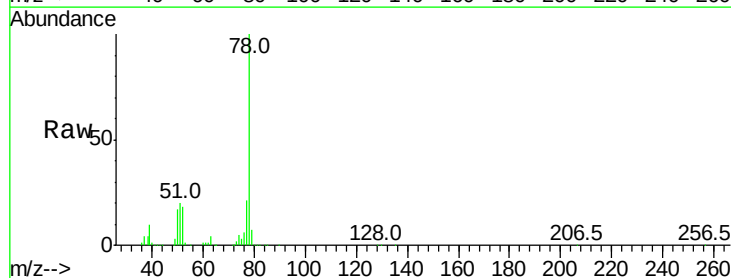
Tgt Ion: 78 Resp: 380444

Ion Ratio Lower Upper

78 100

77 21.4 19.0 28.6

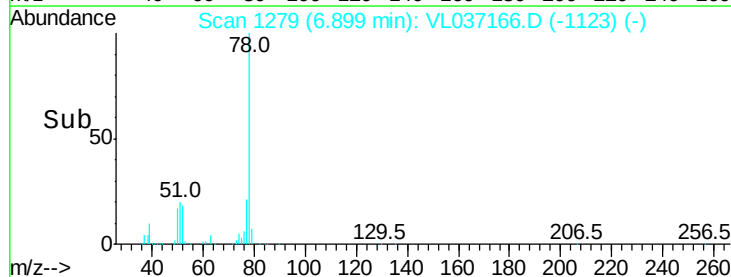
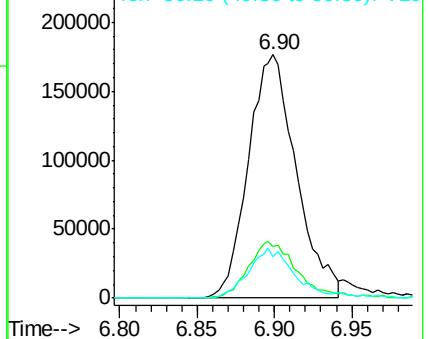
50 17.2 15.7 23.5

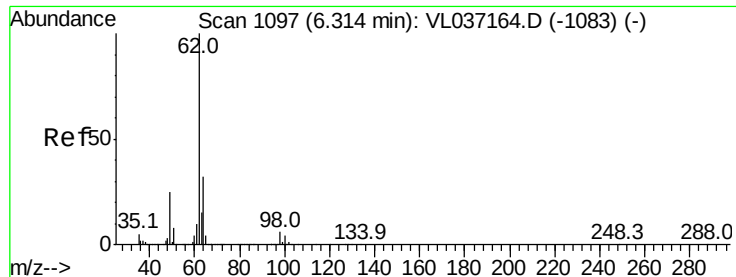


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

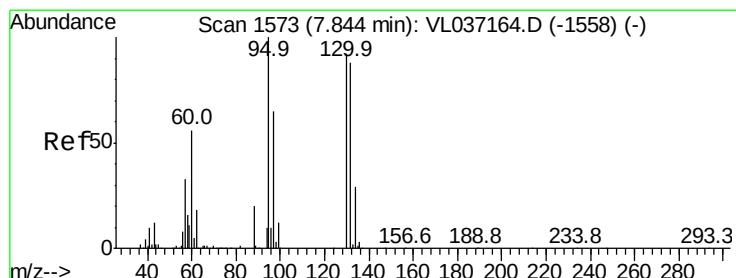
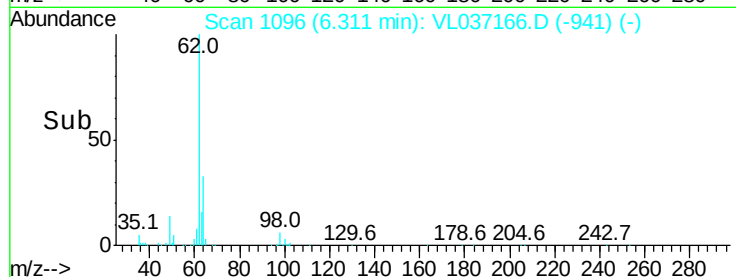
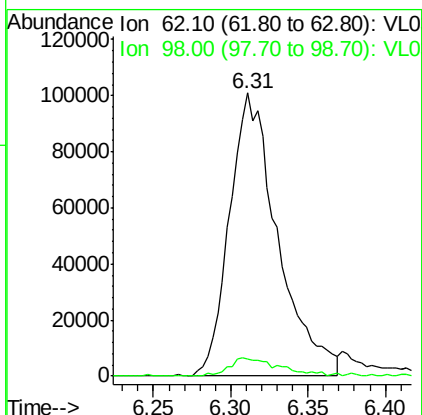
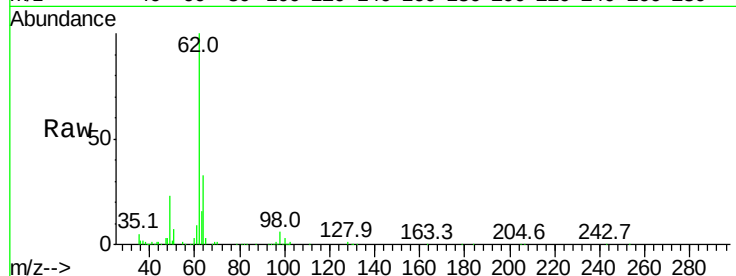




#37
 1,2-Dichloroethane
 Concen: 1.024 ppbv
 RT: 6.31 min Scan# 1096
 Delta R.T. -0.00 min
 Lab File: VL037166.D
 Acq: 16 Jun 2021 10:42

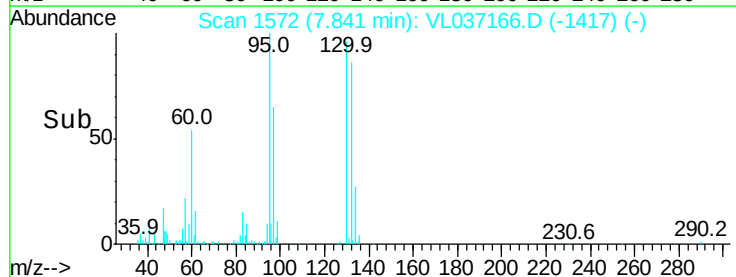
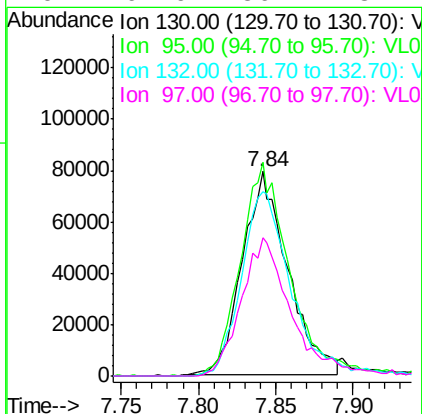
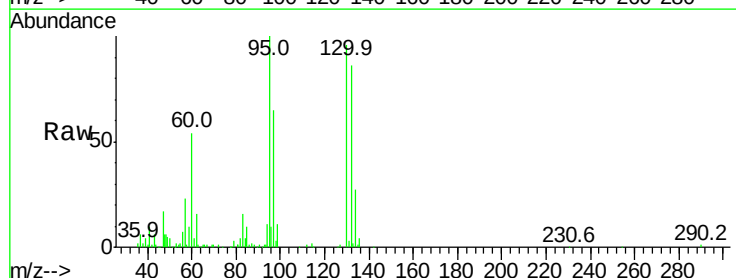
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

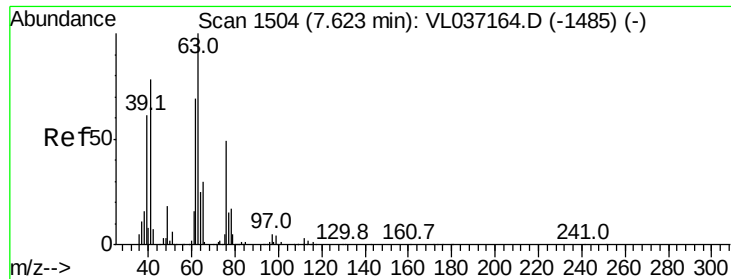
Tgt Ion: 62 Resp: 217827
 Ion Ratio Lower Upper
 62 100
 98 6.9 5.0 7.6



#38
 Trichloroethene
 Concen: 1.027 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VL037166.D
 Acq: 16 Jun 2021 10:42

Tgt Ion: 130 Resp: 162494
 Ion Ratio Lower Upper
 130 100
 95 105.0 86.6 129.8
 132 90.7 76.6 114.8
 97 67.9 56.1 84.1





#39

1,2-Dichloropropane

Concen: 0.622 ppbv

RT: 7.62 min Scan# 1503

Delta R.T. -0.00 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

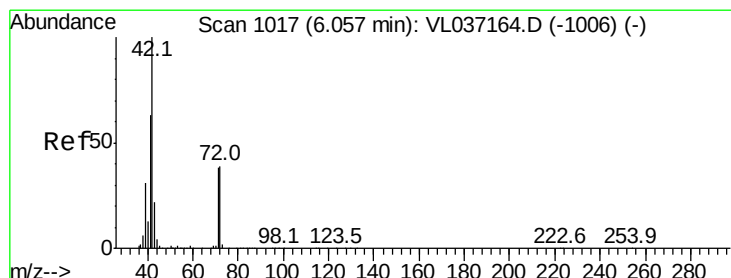
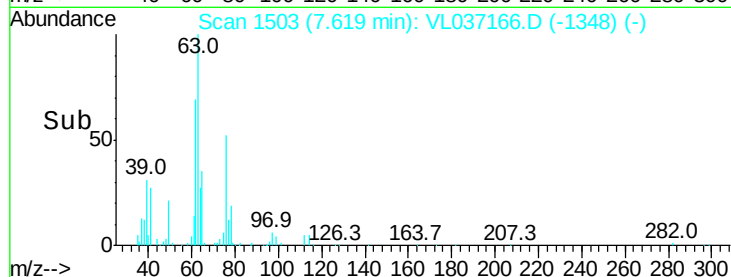
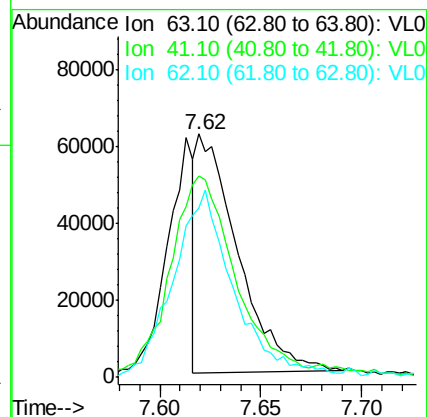
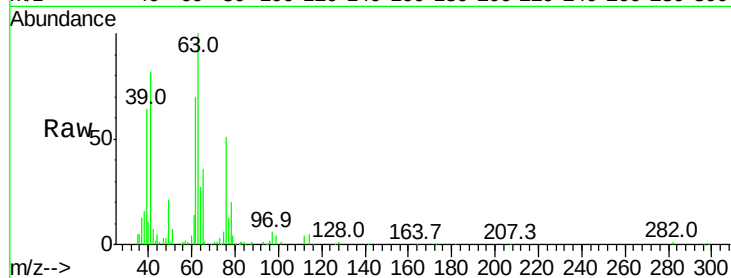
Tgt Ion: 63 Resp: 86986

Ion Ratio Lower Upper

63 100

41 80.7 62.0 93.0

62 69.4 54.9 82.3



#41

Tetrahydrofuran

Concen: 0.895 ppbv

RT: 6.08 min Scan# 1023

Delta R.T. 0.02 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

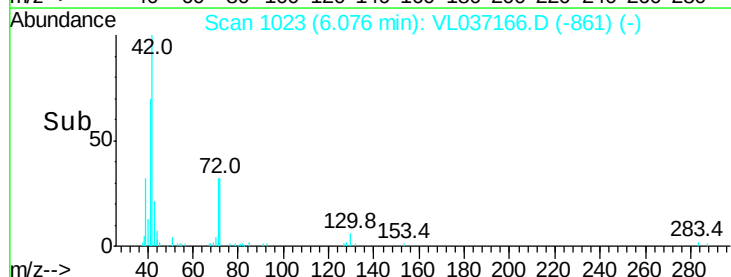
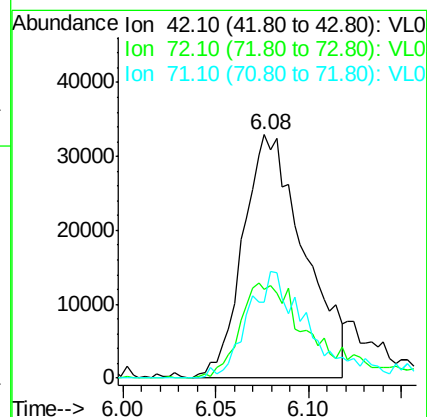
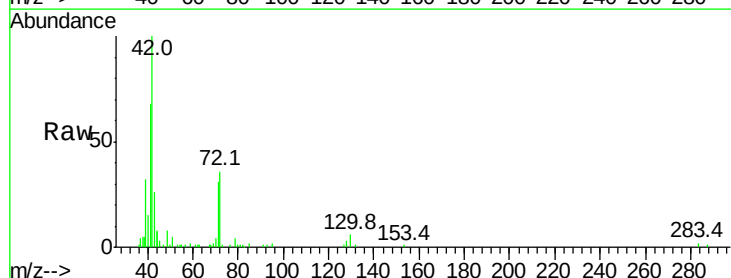
Tgt Ion: 42 Resp: 75502

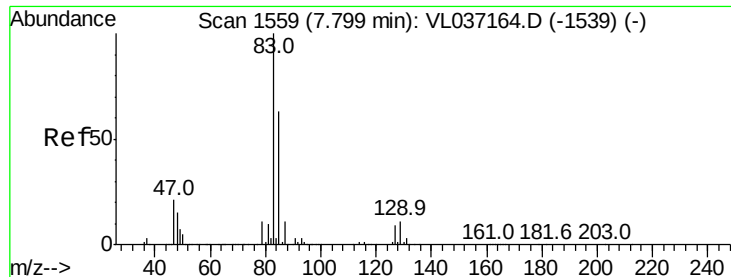
Ion Ratio Lower Upper

42 100

72 47.6 33.0 49.4

71 42.9 31.0 46.6





#42

Bromodichloromethane

Concen: 1.002 ppbv

RT: 7.80 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

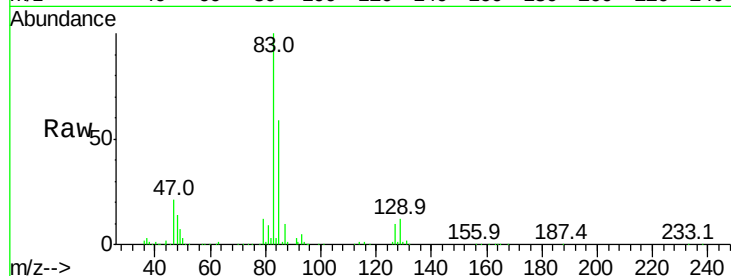
Tgt Ion: 83 Resp: 293511

Ion Ratio Lower Upper

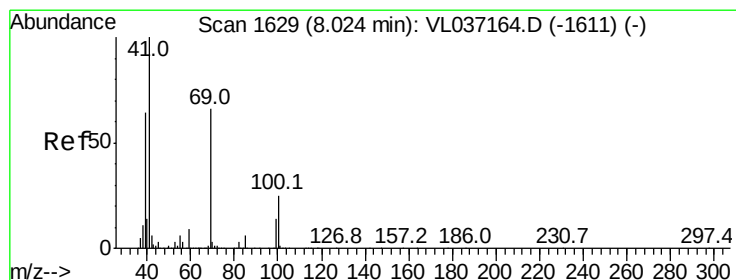
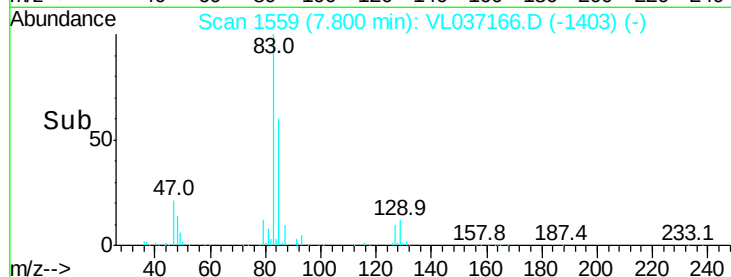
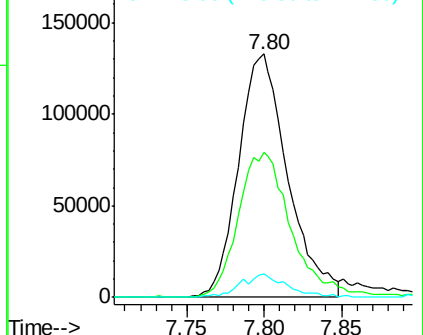
83 100

85 59.2 50.8 76.2

127 9.8 7.0 10.6



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): VL0



#43

Methyl Methacrylate

Concen: 0.966 ppbv

RT: 8.03 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

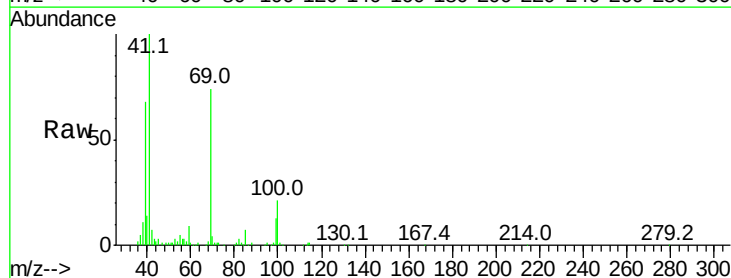
Tgt Ion: 69 Resp: 121358

Ion Ratio Lower Upper

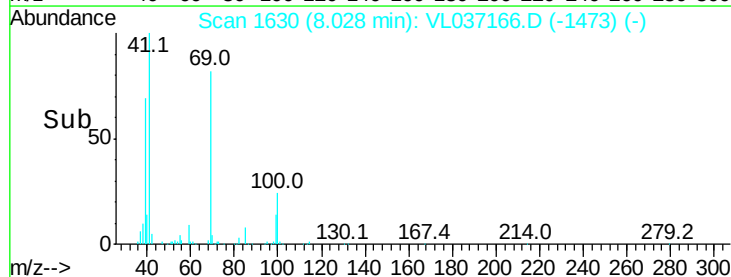
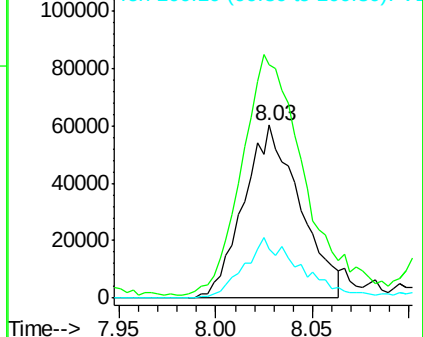
69 100

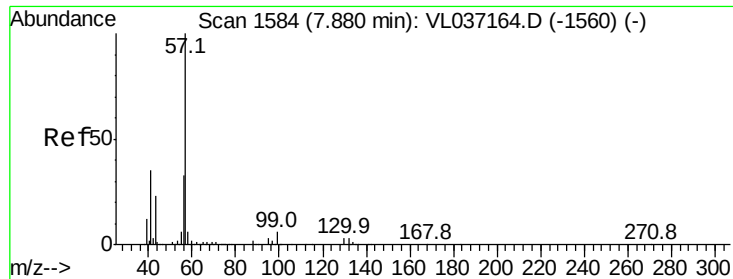
41 158.5 119.4 179.0

100 35.0 28.6 43.0



Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0

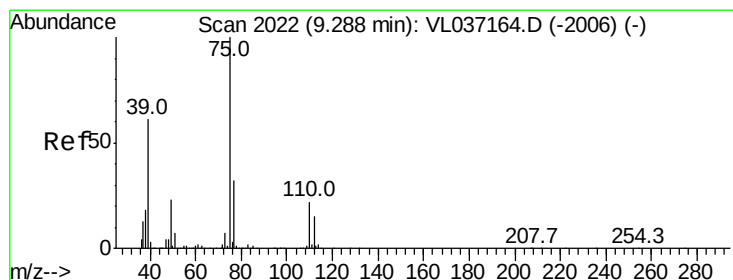
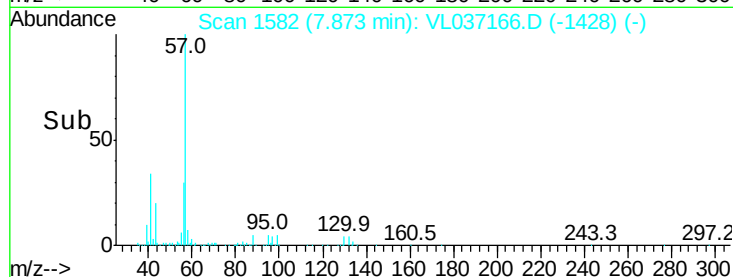
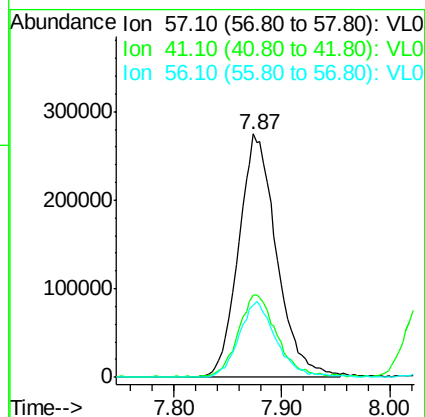
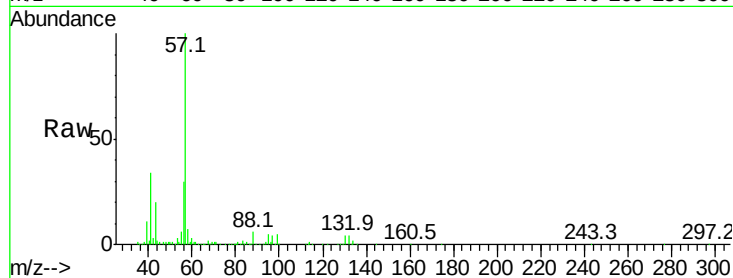




#44
 2,2,4-Trimethylpentane
 Concen: 1.096 ppbv
 RT: 7.87 min Scan# 1582
 Delta R.T. -0.01 min
 Lab File: VL037166.D
 Acq: 16 Jun 2021 10:42

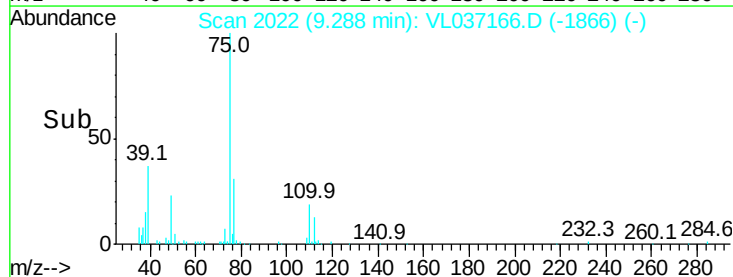
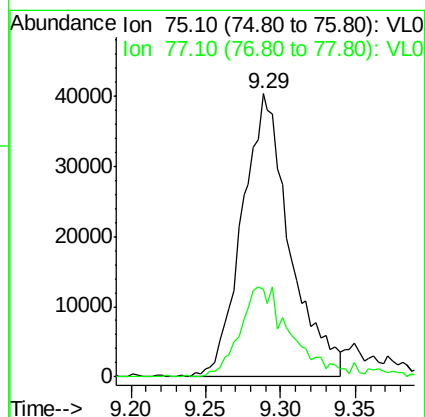
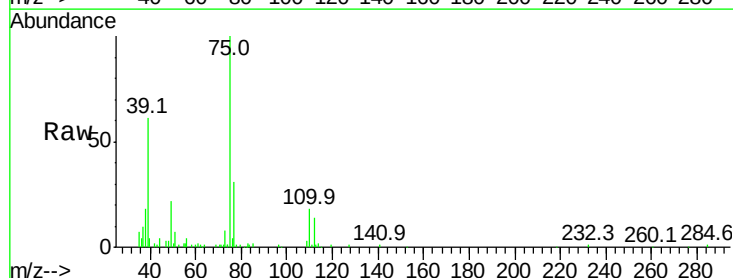
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

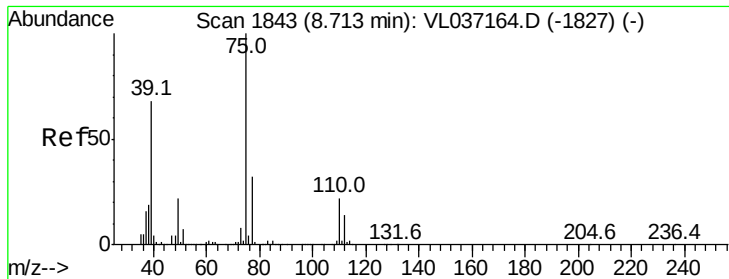
Tgt Ion: 57 Resp: 671795
 Ion Ratio Lower Upper
 57 100
 41 34.5 27.6 41.4
 56 30.9 25.3 37.9



#45
 t-1,3-Dichloropropene
 Concen: 0.790 ppbv
 RT: 9.29 min Scan# 2022
 Delta R.T. 0.00 min
 Lab File: VL037166.D
 Acq: 16 Jun 2021 10:42

Tgt Ion: 75 Resp: 89466
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.6 38.4



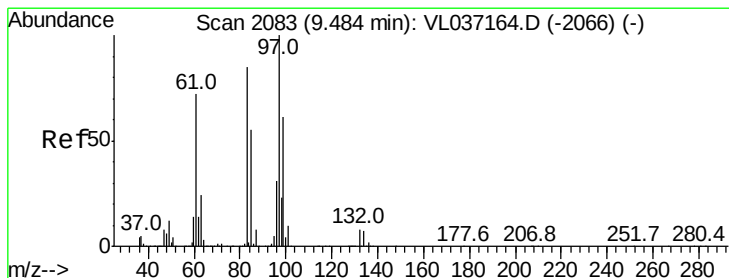
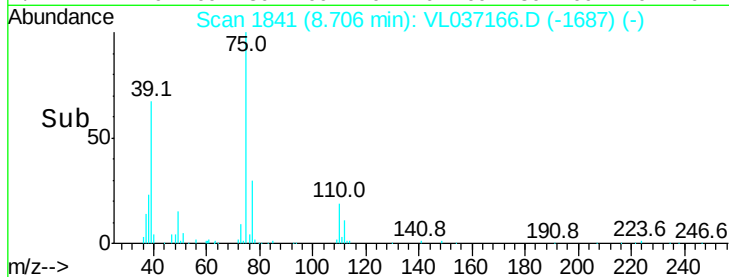
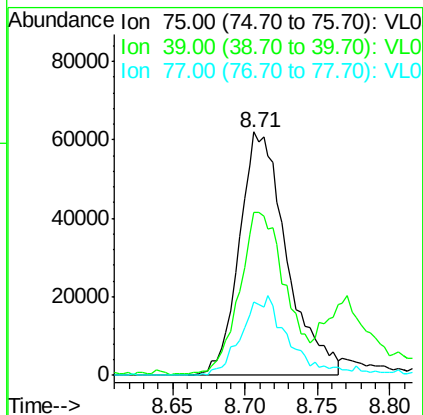
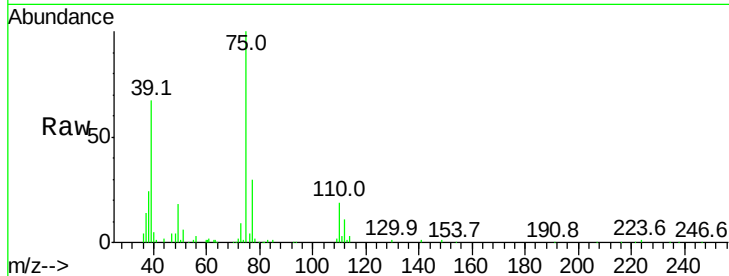


#46

cis-1,3-Dichloropropene
Concen: 0.931 ppbv
RT: 8.71 min Scan# 1841
Delta R.T. -0.01 min
Lab File: VL037166.D
Acq: 16 Jun 2021 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

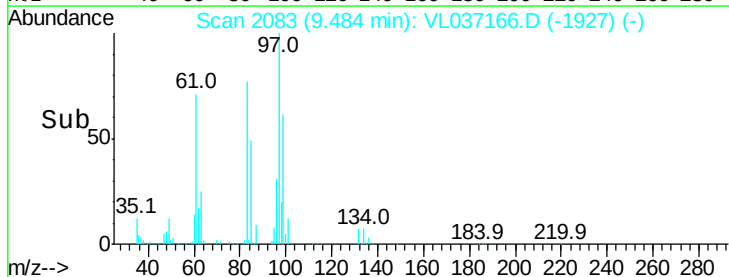
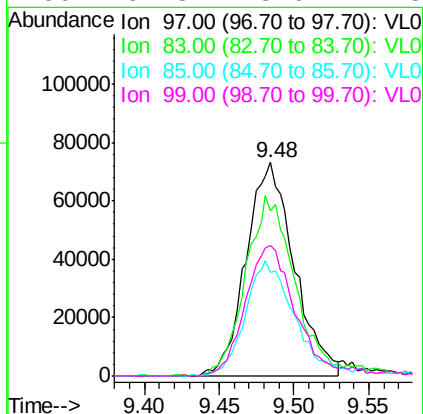
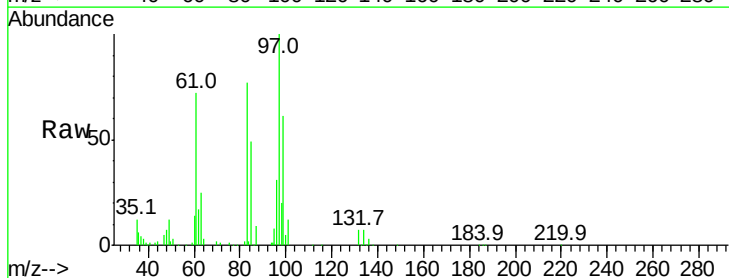
Tgt Ion	Ratio	Lower	Upper
75	100		
39	66.3	54.7	82.1
77	30.2	25.8	38.8

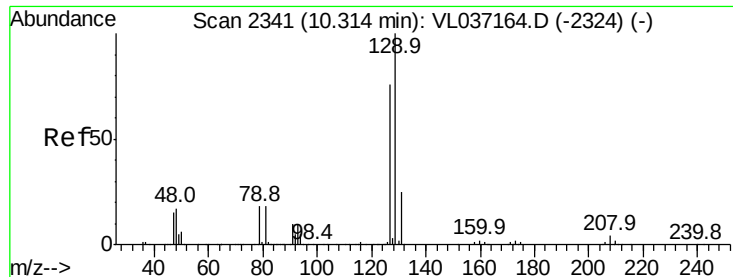


#47

1,1,2-Trichloroethane
Concen: 1.031 ppbv
RT: 9.48 min Scan# 2083
Delta R.T. 0.00 min
Lab File: VL037166.D
Acq: 16 Jun 2021 10:42

Tgt Ion	Ratio	Lower	Upper
97	100		
83	77.5	68.3	102.5
85	48.8	44.1	66.1
99	61.3	48.6	72.8

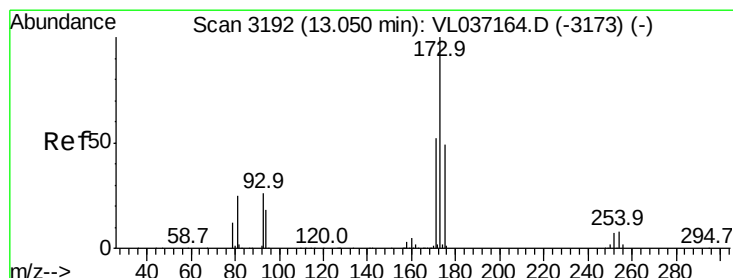
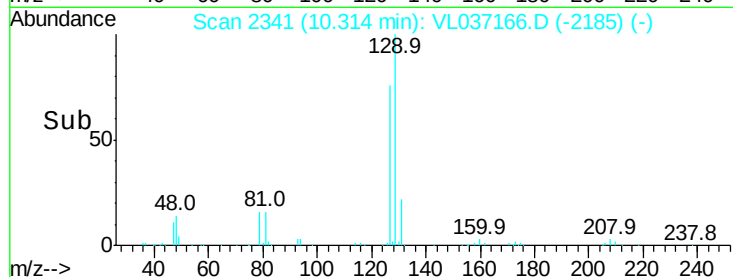
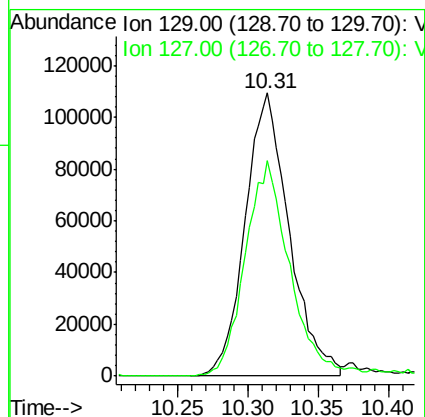
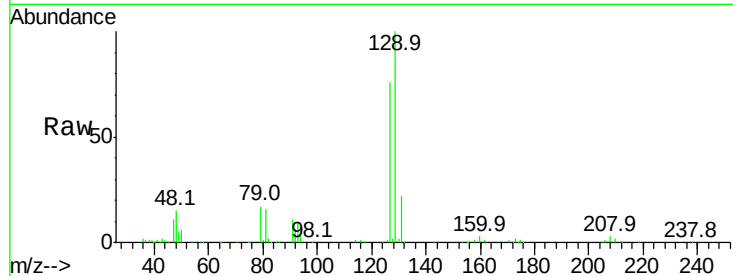




#48
 Dibromochloromethane
 Concen: 0.934 ppbv
 RT: 10.31 min Scan# 2341
 Delta R.T. 0.00 min
 Lab File: VL037166.D
 Acq: 16 Jun 2021 10:42

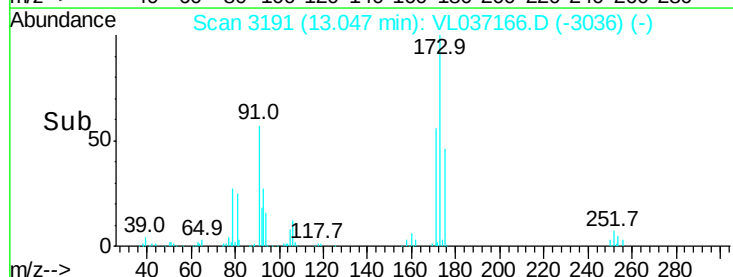
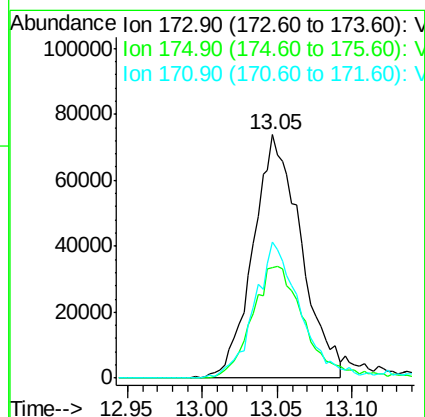
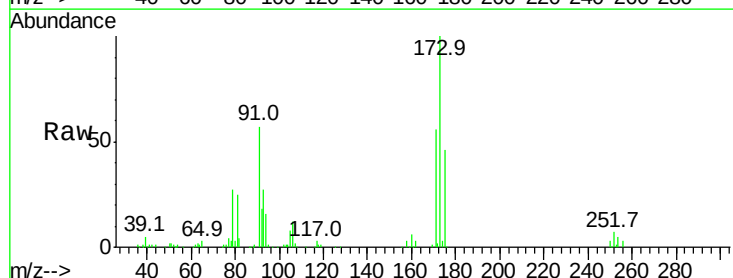
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

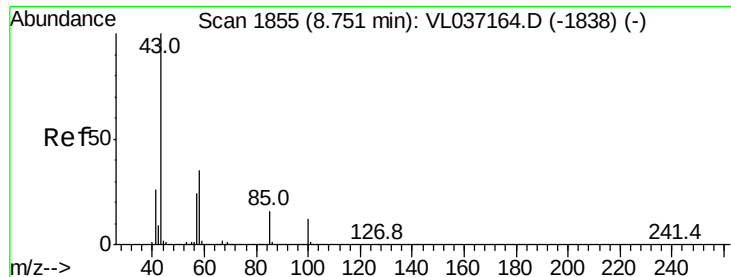
Tgt Ion:129 Resp: 238998
 Ion Ratio Lower Upper
 129 100
 127 78.9 39.1 117.2



#49
 Bromoform
 Concen: 0.823 ppbv
 RT: 13.05 min Scan# 3191
 Delta R.T. -0.00 min
 Lab File: VL037166.D
 Acq: 16 Jun 2021 10:42

Tgt Ion:173 Resp: 164463
 Ion Ratio Lower Upper
 173 100
 175 50.8 40.2 60.4
 171 53.2 41.8 62.8

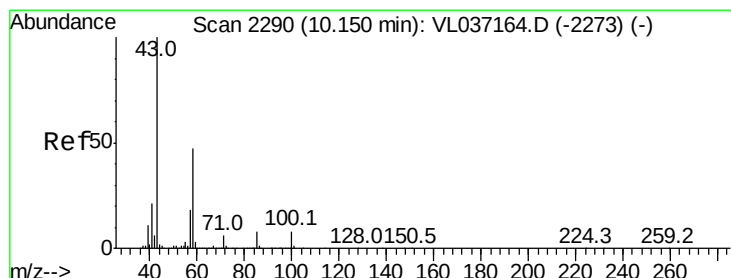
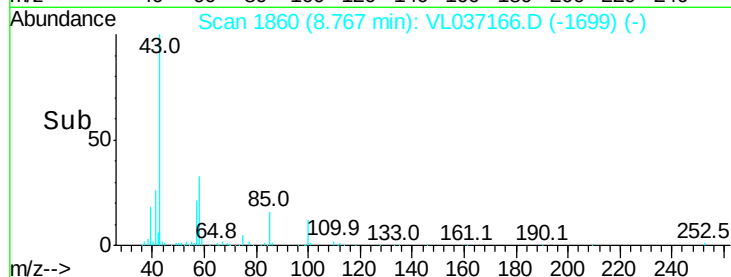
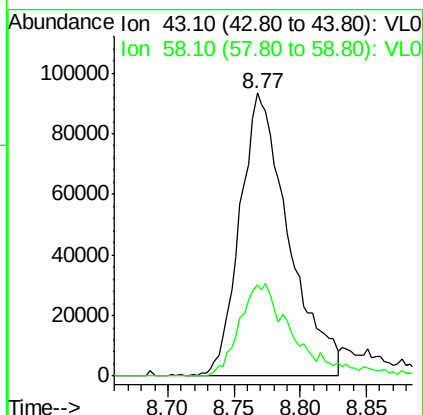
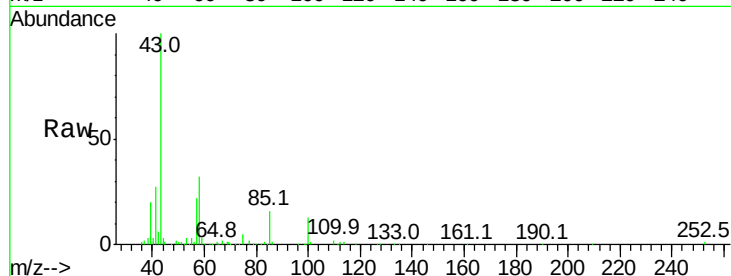




#50
 4-Methyl-2-Pentanone
 Concen: 0.931 ppbv
 RT: 8.77 min Scan# 1860
 Delta R.T. 0.02 min
 Lab File: VL037166.D
 Acq: 16 Jun 2021 10:42

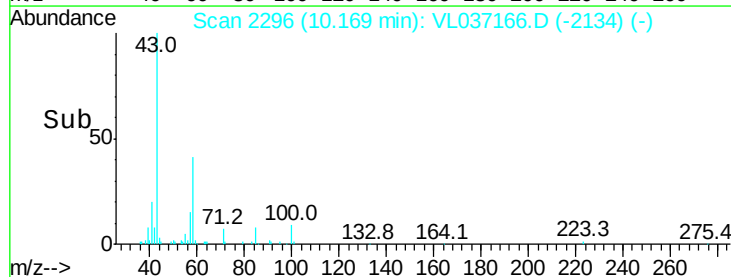
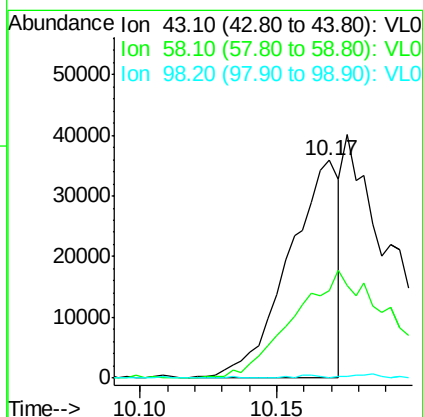
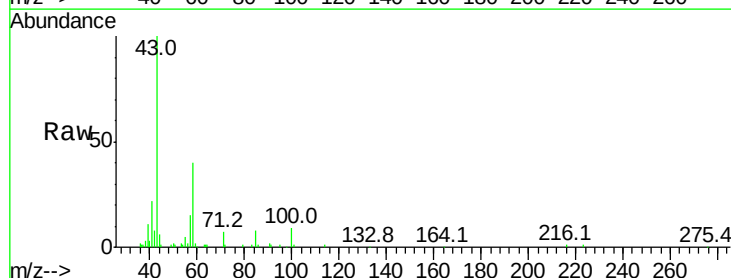
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

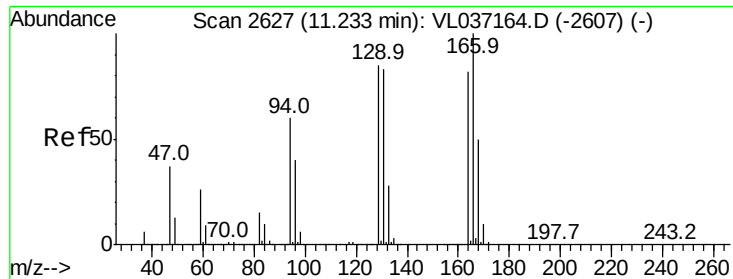
Tgt Ion: 43 Resp: 237466
 Ion Ratio Lower Upper
 43 100
 58 37.3 28.4 42.6



#51
 2-Hexanone
 Concen: 0.363 ppbv
 RT: 10.17 min Scan# 2296
 Delta R.T. 0.02 min
 Lab File: VL037166.D
 Acq: 16 Jun 2021 10:42

Tgt Ion: 43 Resp: 46240
 Ion Ratio Lower Upper
 43 100
 58 0.0 38.4 57.6#
 98 0.4 0.3 0.5





#52

Tetrachloroethene

Concen: 1.083 ppbv

RT: 11.23 min Scan# 2627

Delta R.T. 0.00 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:164 Resp: 164032

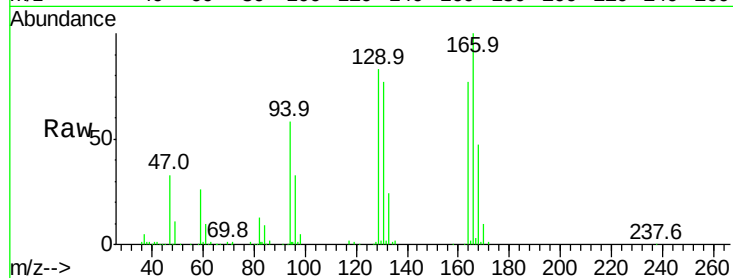
Ion Ratio Lower Upper

164 100

166 130.1 97.6 146.4

129 107.6 82.9 124.3

131 100.3 80.6 120.8

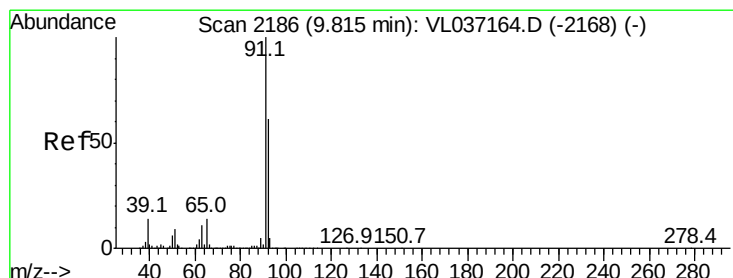
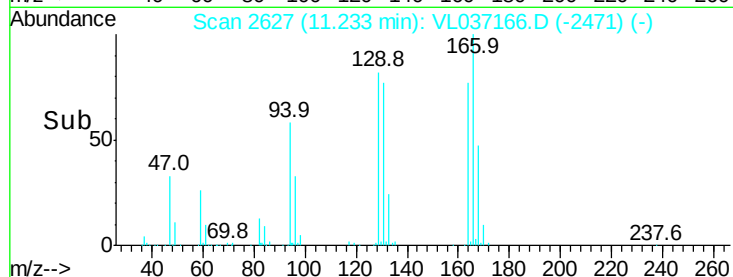
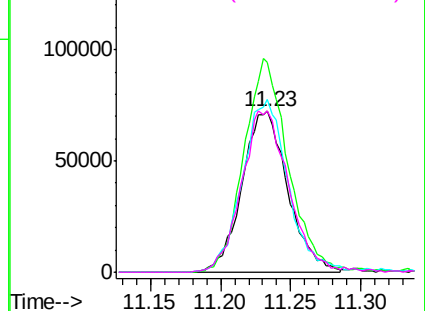


Abundance Ion 163.90 (163.60 to 164.60): V

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: 1.054 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VL037166.D

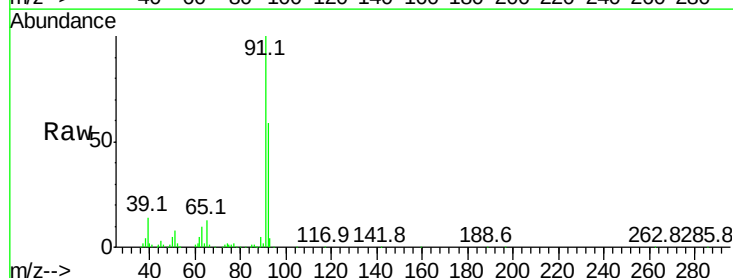
Acq: 16 Jun 2021 10:42

Tgt Ion: 91 Resp: 458752

Ion Ratio Lower Upper

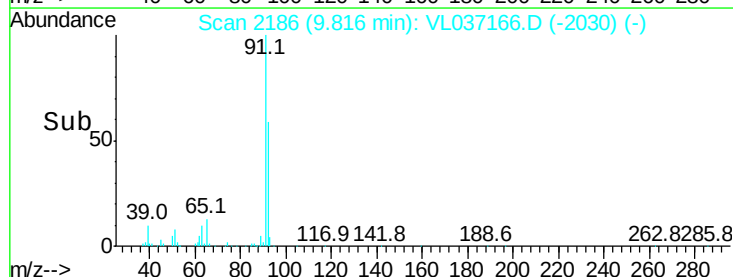
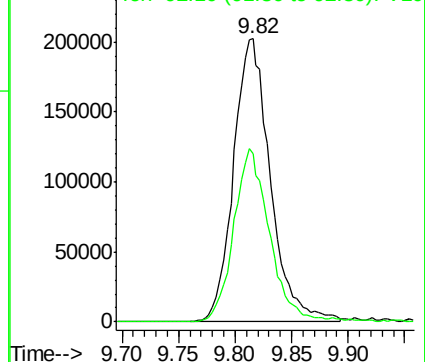
91 100

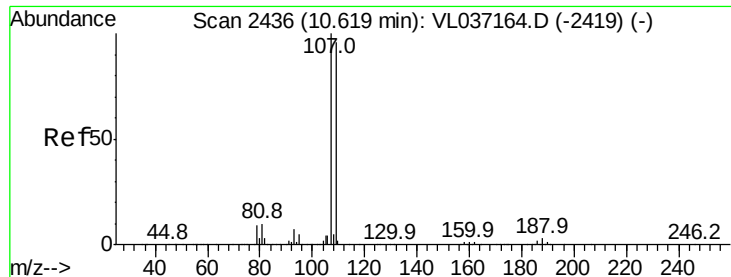
92 59.8 48.3 72.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





#54

1,2-Dibromoethane

Concen: 0.953 ppbv

RT: 10.62 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

Instrument :

MSVOA_L

ClientSampleId :

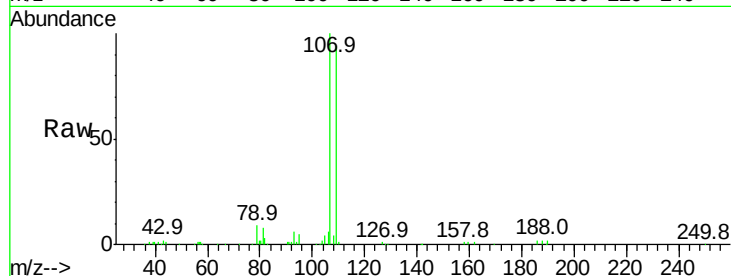
VSTDIC001

Tgt Ion:107 Resp: 221235

Ion Ratio Lower Upper

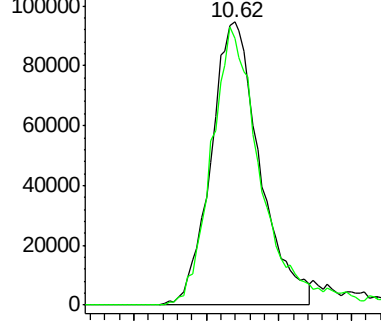
107 100

109 94.1 77.0 115.6

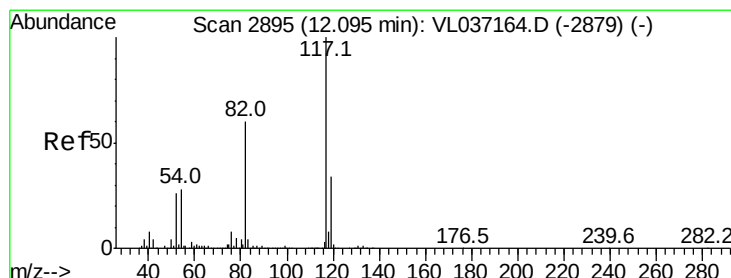
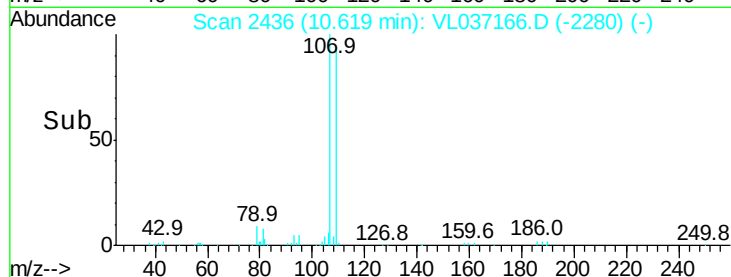


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



Time-->



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2895

Delta R.T. 0.00 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

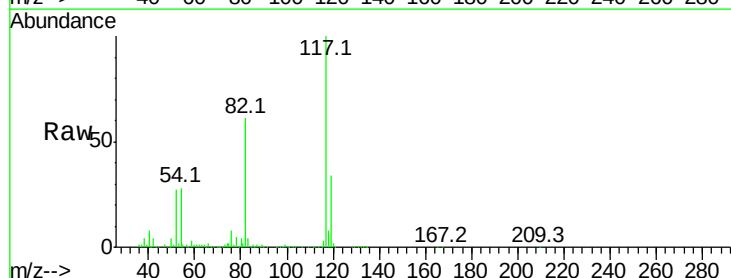
Tgt Ion:117 Resp: 4183478

Ion Ratio Lower Upper

117 100

82 62.2 51.7 77.5

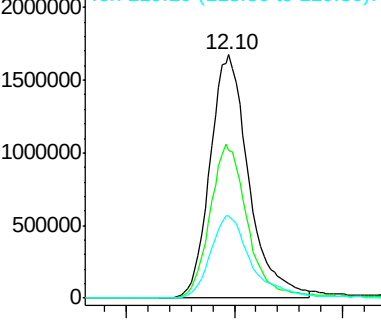
119 36.2 47.6 71.4#



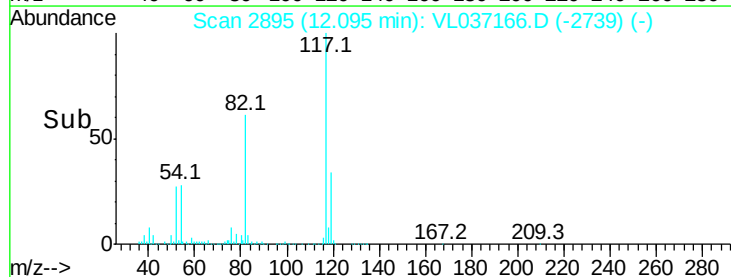
Abundance Ion 117.10 (116.80 to 117.80): V

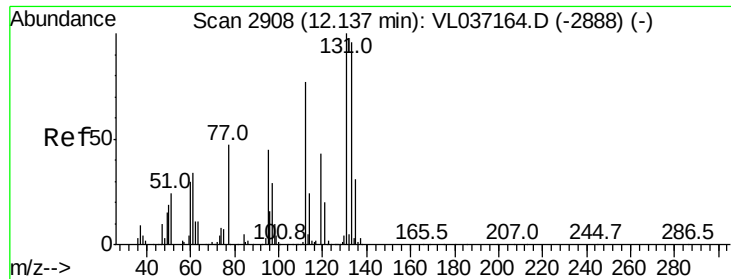
Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



Time-->





#56

1,1,1,2-Tetrachloroethane

Concen: 0.504 ppbv

RT: 12.14 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

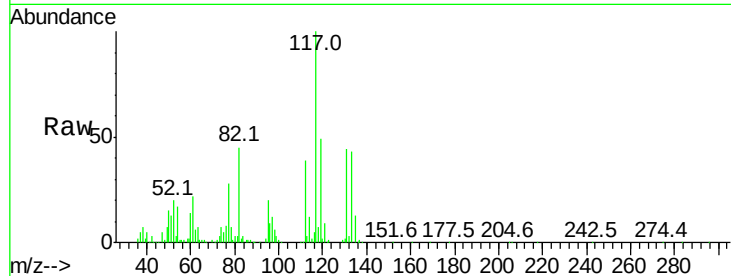
Tgt Ion:131 Resp: 92006

Ion Ratio Lower Upper

131 100

133 201.4 76.5 114.7#

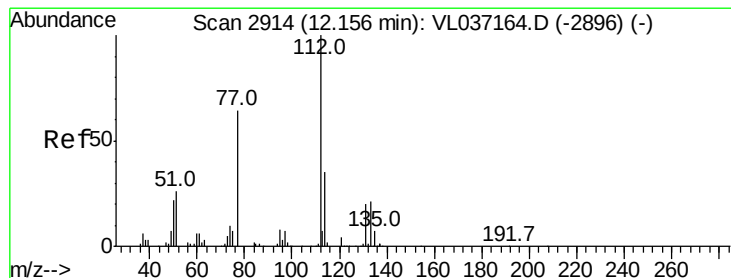
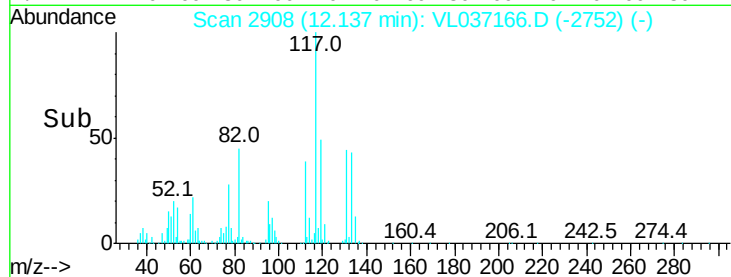
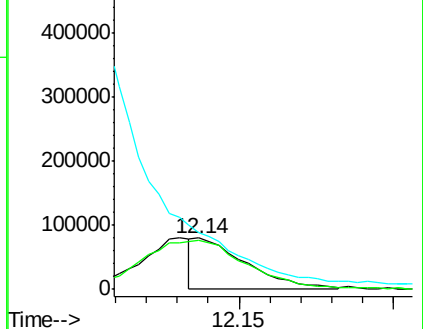
119 0.0 48.6 72.8#



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: 1.103 ppbv

RT: 12.15 min Scan# 2913

Delta R.T. -0.00 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

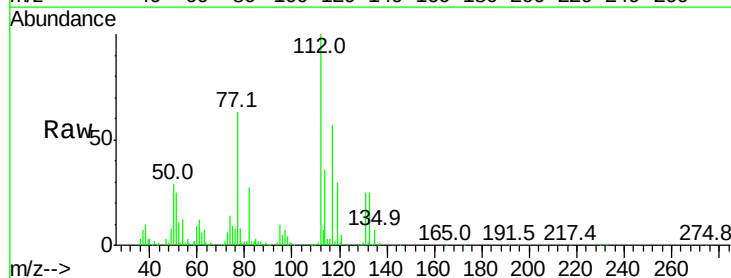
Tgt Ion:112 Resp: 369744

Ion Ratio Lower Upper

112 100

77 60.4 52.2 78.4

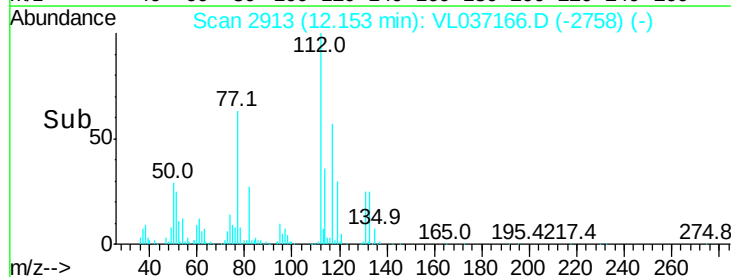
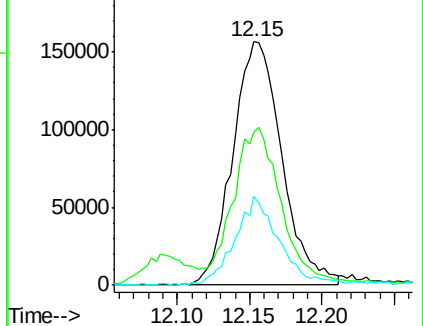
114 36.5 31.1 38.1

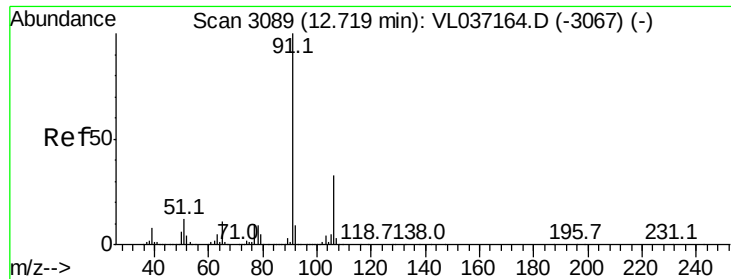


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): V

Ion 114.10 (113.80 to 114.80): V





#58

Ethyl Benzene

Concen: 1.085 ppbv

RT: 12.72 min Scan# 3089

Delta R.T. 0.00 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

Instrument :

MSVOA_L

ClientSampleId :

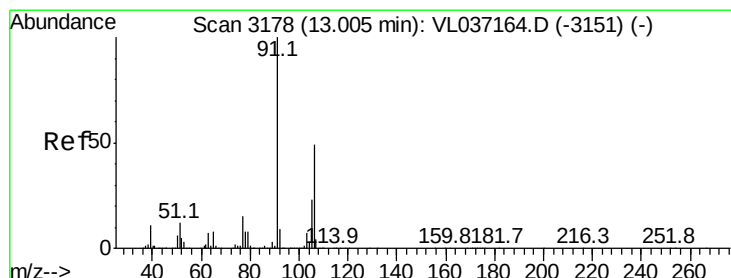
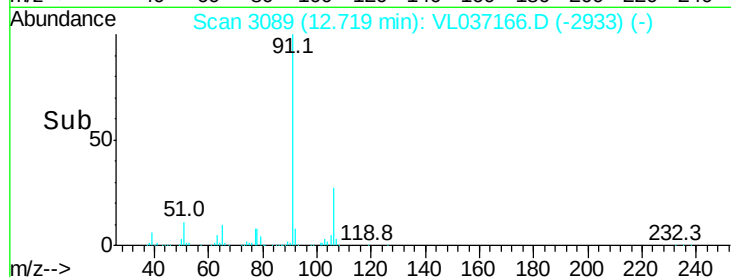
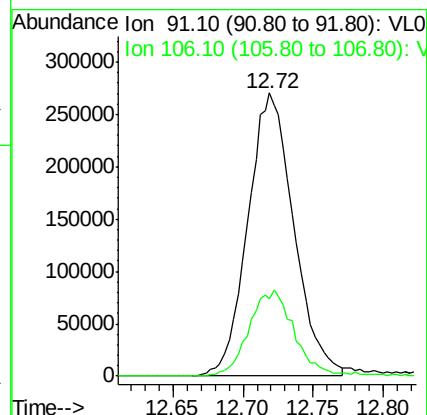
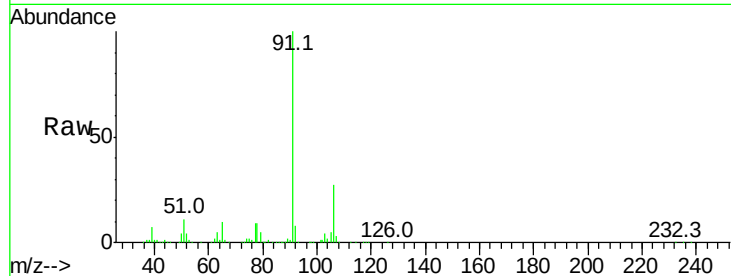
VSTDIC001

Tgt Ion: 91 Resp: 614922

Ion Ratio Lower Upper

91 100

106 27.2 26.3 39.5



#59

m/p-Xylene

Concen: 0.953 ppbv

RT: 13.00 min Scan# 3177

Delta R.T. -0.00 min

Lab File: VL037166.D

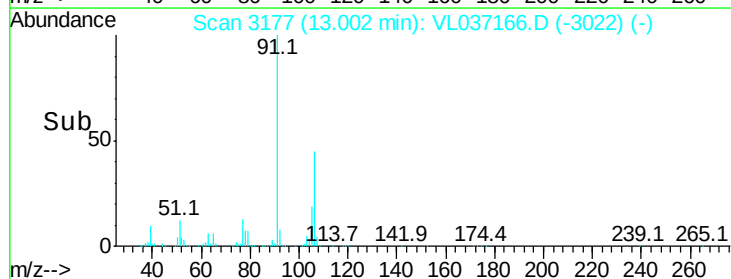
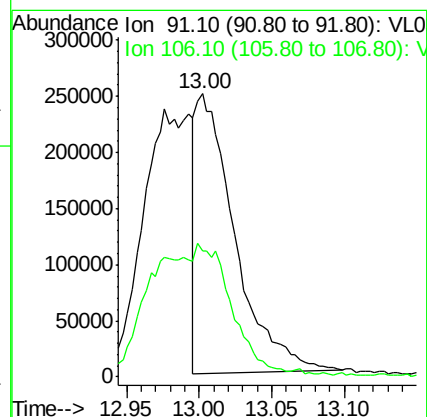
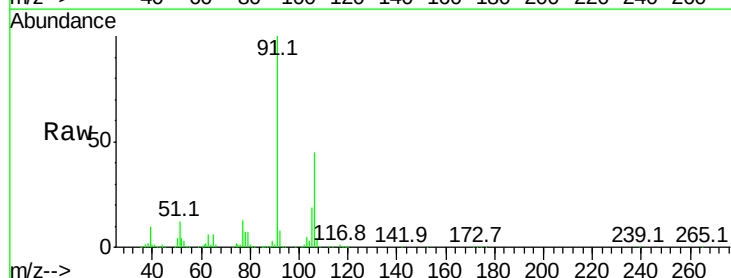
Acq: 16 Jun 2021 10:42

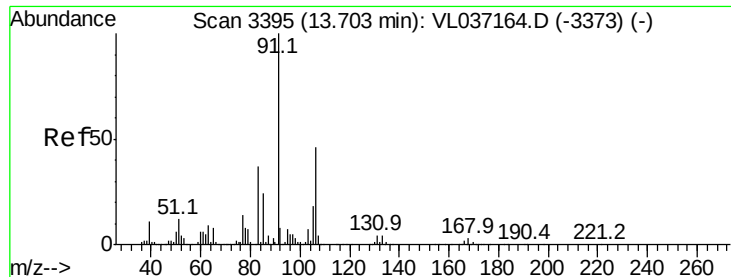
Tgt Ion: 91 Resp: 459039

Ion Ratio Lower Upper

91 100

106 101.9 37.0 55.4#

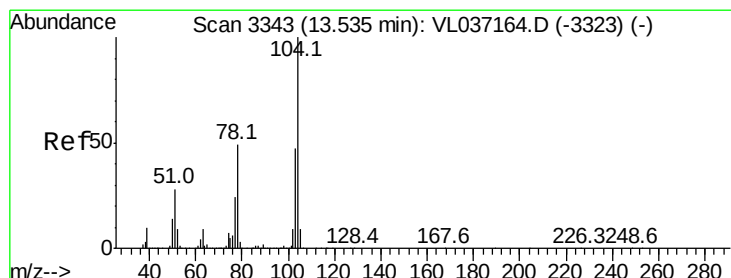
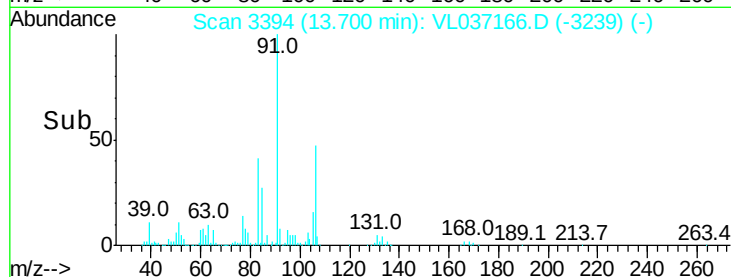
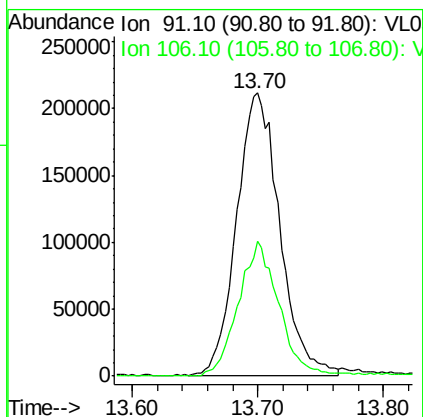
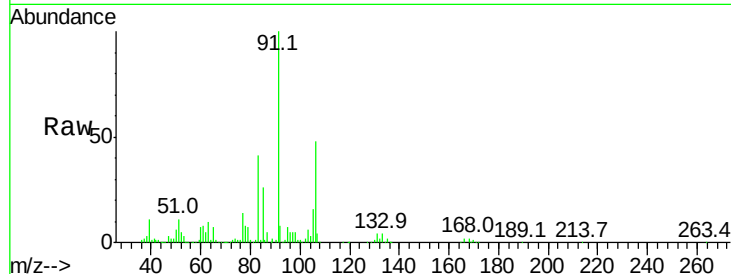




#60
o-Xylene
Concen: 1.087 ppbv
RT: 13.70 min Scan# 3394
Delta R.T. -0.00 min
Lab File: VL037166.D
Acq: 16 Jun 2021 10:42

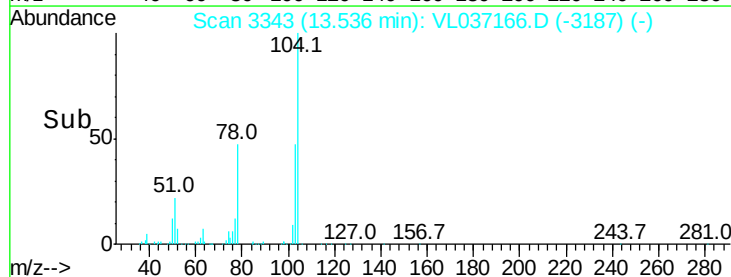
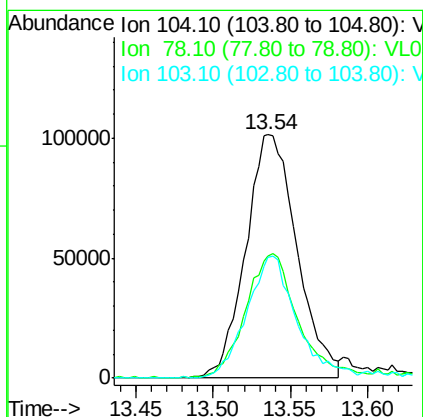
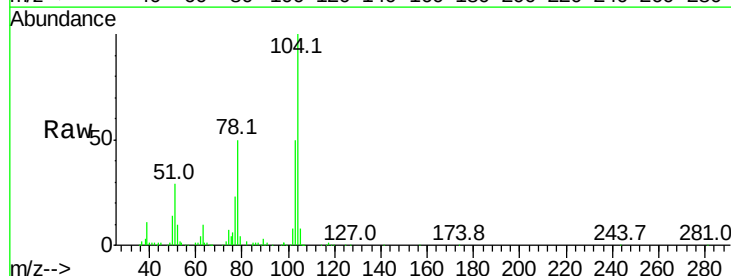
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

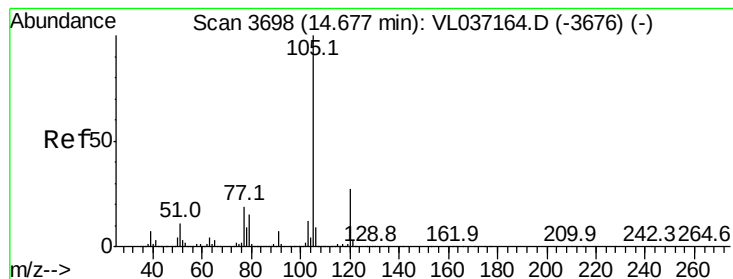
Tgt Ion: 91 Resp: 502798
Ion Ratio Lower Upper
91 100
106 46.0 23.0 69.0



#61
Styrene
Concen: 0.957 ppbv
RT: 13.54 min Scan# 3343
Delta R.T. 0.00 min
Lab File: VL037166.D
Acq: 16 Jun 2021 10:42

Tgt Ion: 104 Resp: 233318
Ion Ratio Lower Upper
104 100
78 52.7 39.7 59.5
103 50.5 37.6 56.4





#62

Isopropylbenzene

Concen: 1.082 ppbv

RT: 14.68 min Scan# 3698

Delta R.T. 0.00 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

Instrument :

MSVOA_L

ClientSampleId :

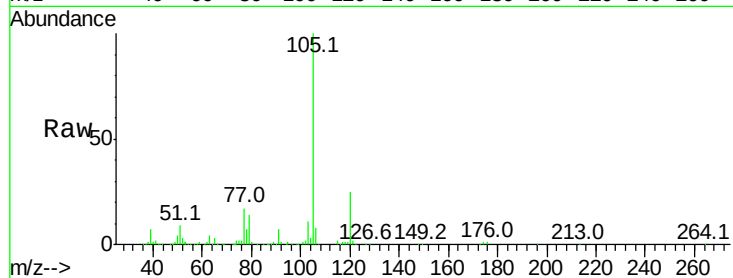
VSTDIC001

Tgt Ion: 105 Resp: 713114

Ion Ratio Lower Upper

105 100

120 25.5 21.6 32.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

14.68

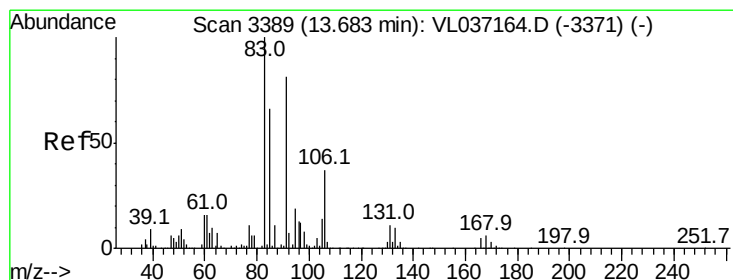
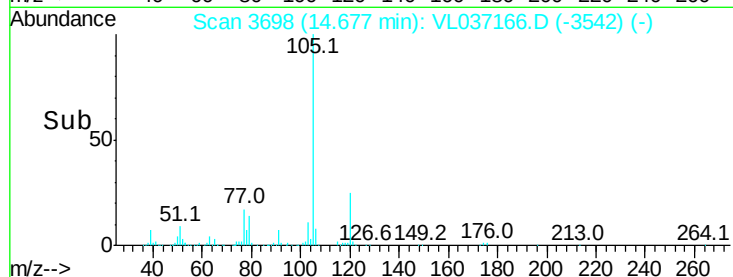
300000

200000

100000

0

Time-->



#63

1,1,2,2-Tetrachloroethane

Concen: 1.038 ppbv

RT: 13.69 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

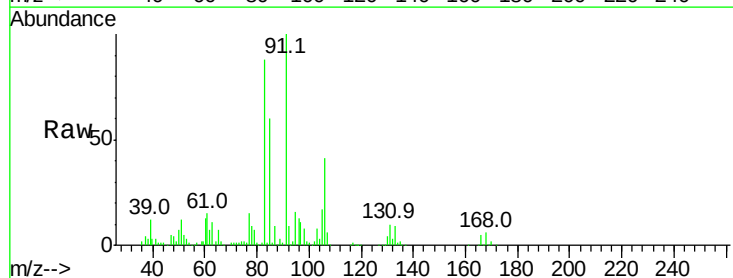
Tgt Ion: 83 Resp: 311937

Ion Ratio Lower Upper

83 100

131 11.4 5.4 16.2

85 71.1 33.1 99.2



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0

13.69

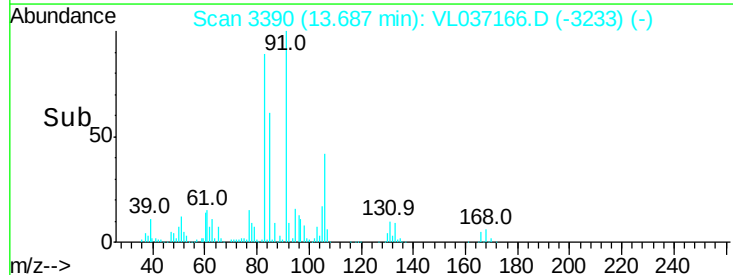
150000

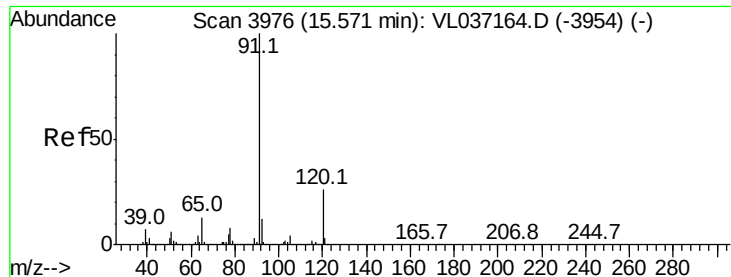
100000

50000

0

Time-->

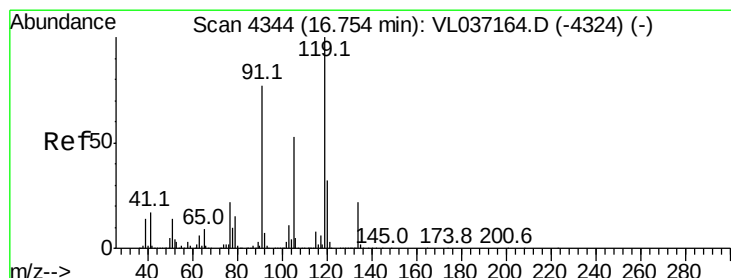
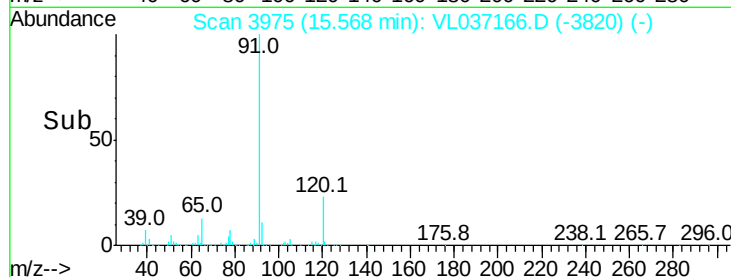
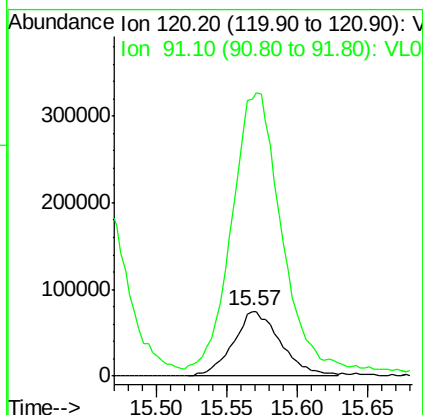
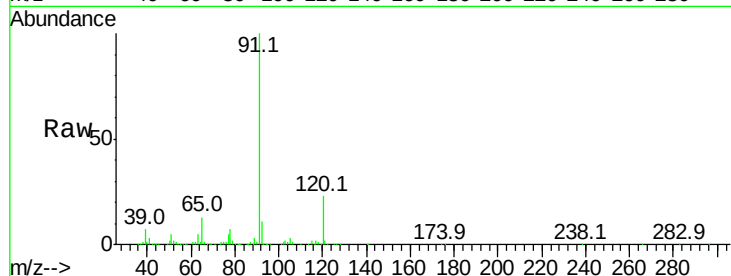




#64
n-propylbenzene
Concen: 1.031 ppbv
RT: 15.57 min Scan# 3975
Delta R.T. -0.00 min
Lab File: VL037166.D
Acq: 16 Jun 2021 10:42

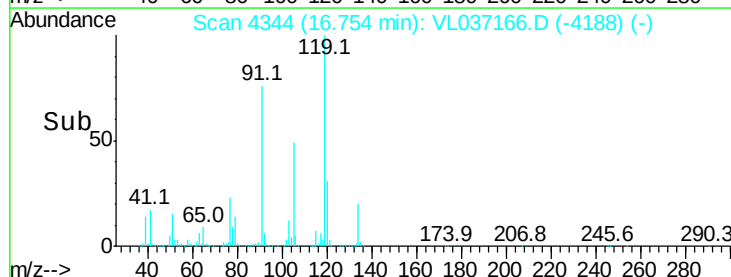
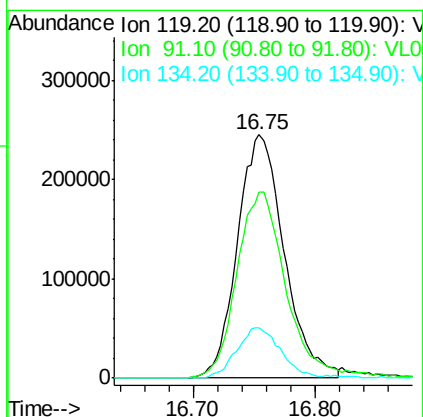
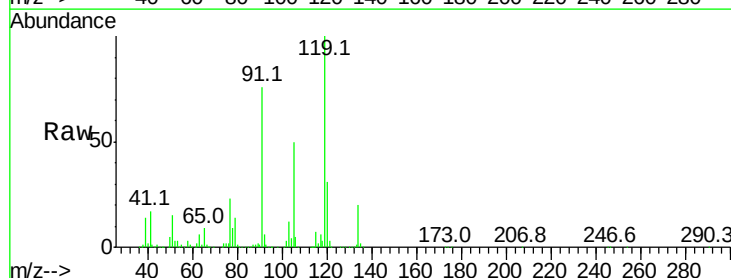
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

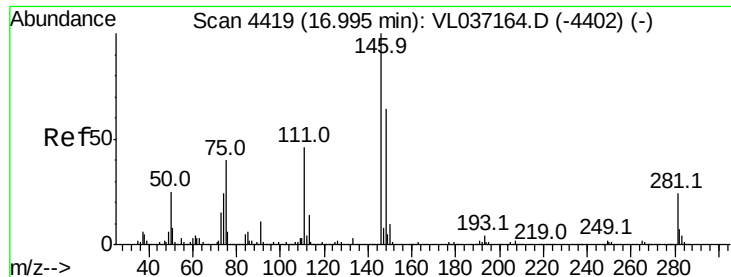
Tgt Ion:120 Resp: 173362
Ion Ratio Lower Upper
120 100
91 488.7 343.3 514.9



#65
tert-Butylbenzene
Concen: 1.080 ppbv
RT: 16.75 min Scan# 4344
Delta R.T. 0.00 min
Lab File: VL037166.D
Acq: 16 Jun 2021 10:42

Tgt Ion:119 Resp: 645051
Ion Ratio Lower Upper
119 100
91 81.8 62.6 93.8
134 20.5 16.2 24.4

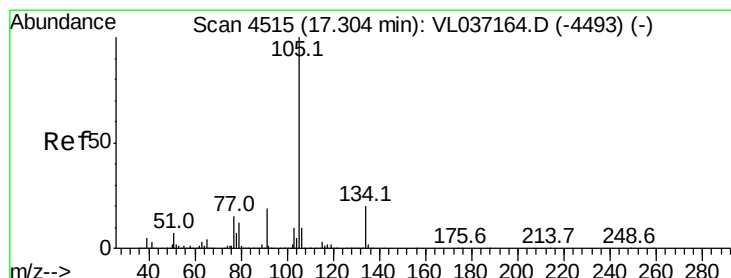
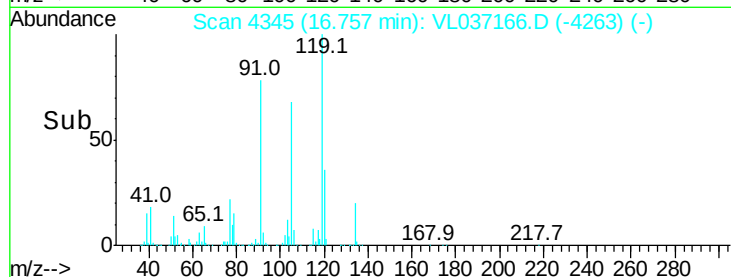
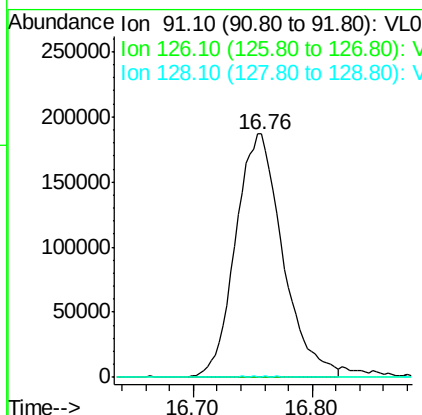
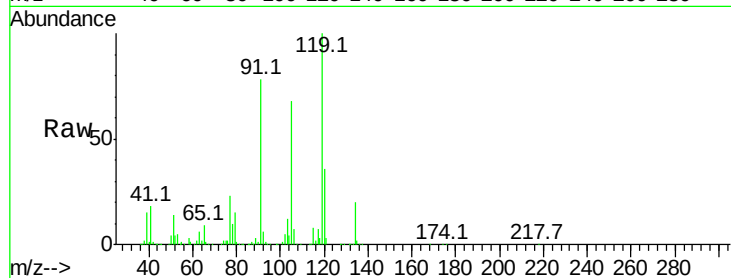




#66
Benzyl Chloride
Concen: 19.573 ppbv
RT: 16.76 min Scan# 4345
Delta R.T. -0.24 min
Lab File: VL037166.D
Acq: 16 Jun 2021 10:42

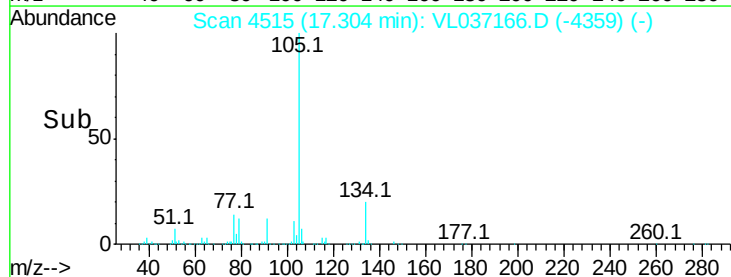
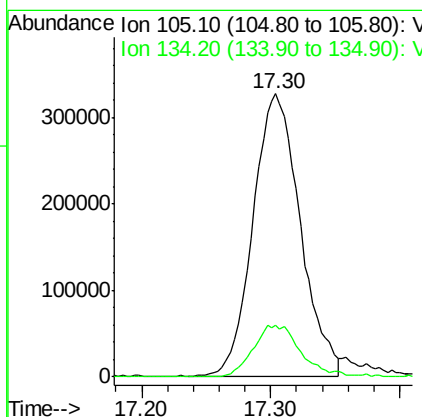
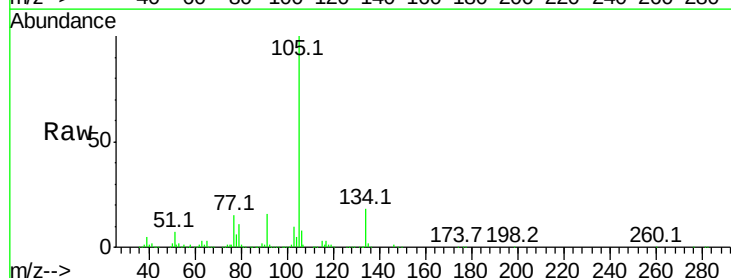
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

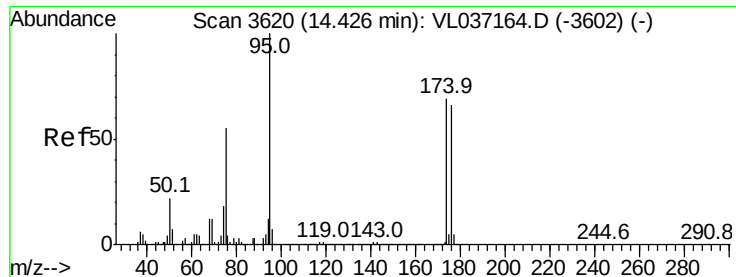
Tgt Ion: 91 Resp: 510273
Ion Ratio Lower Upper
91 100
126 0.1 15.5 23.3#
128 0.4 5.7 8.5#



#67
sec-Butylbenzene
Concen: 1.048 ppbv
RT: 17.30 min Scan# 4515
Delta R.T. 0.00 min
Lab File: VL037166.D
Acq: 16 Jun 2021 10:42

Tgt Ion: 105 Resp: 831713
Ion Ratio Lower Upper
105 100
134 18.8 15.8 23.6





#68

1-Bromo-4-Fluorobenzene

Concen: 10.038 ppbv

RT: 14.42 min Scan# 3619

Delta R.T. -0.00 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

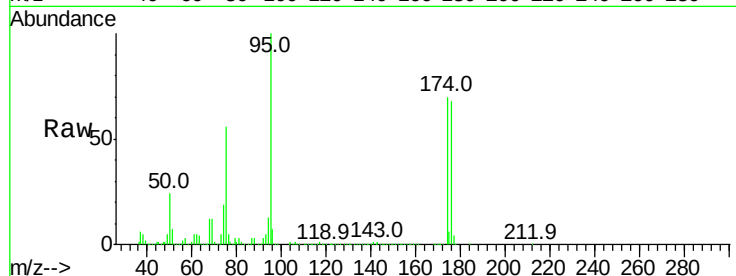
Tgt Ion: 95 Resp: 3092960

Ion Ratio Lower Upper

95 100

174 73.8 57.0 85.4

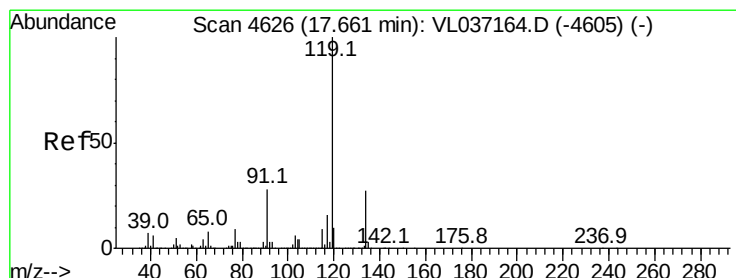
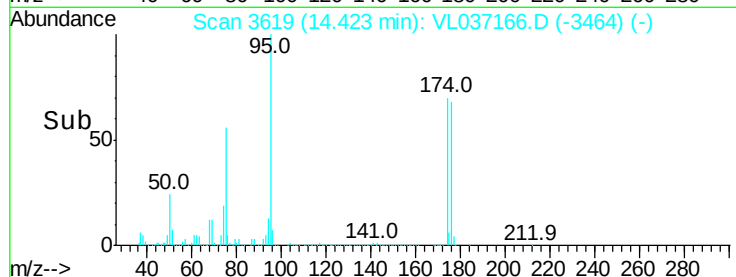
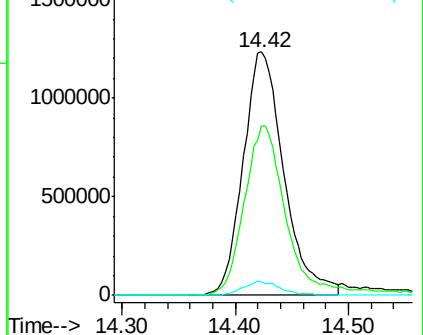
175 5.5 4.4 6.6



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: 1.068 ppbv

RT: 17.66 min Scan# 4627

Delta R.T. 0.00 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

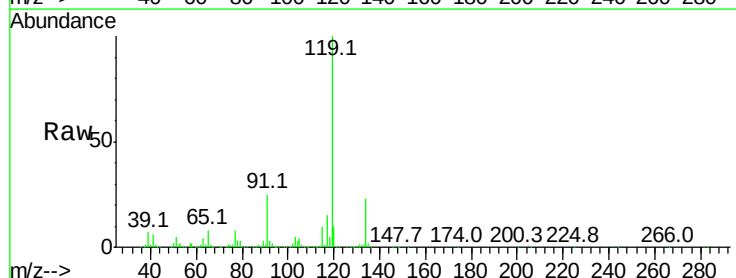
Tgt Ion: 119 Resp: 708496

Ion Ratio Lower Upper

119 100

134 26.3 20.9 31.3

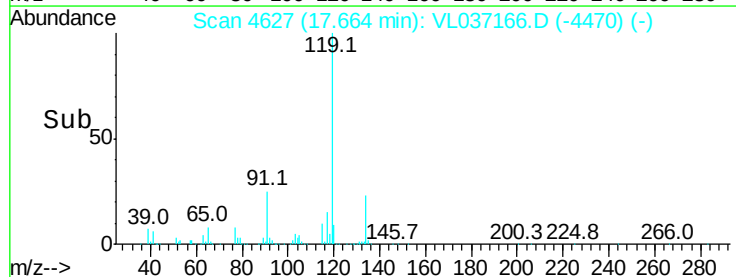
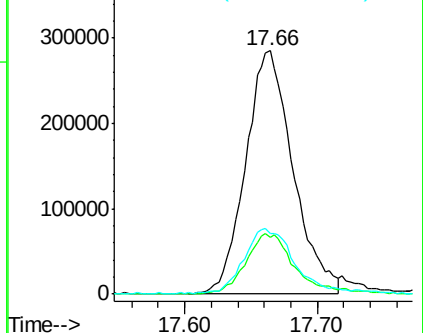
91 29.4 22.6 34.0

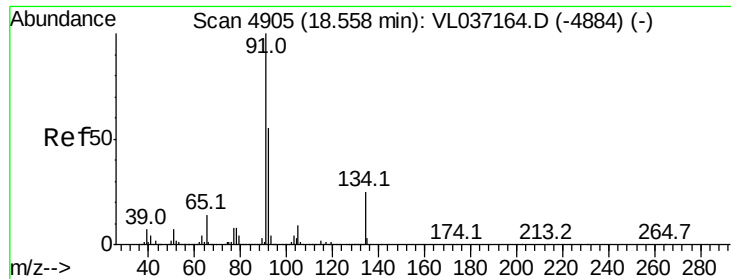


Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): VL0





#70

n-Butylbenzene

Concen: 1.050 ppbv

RT: 18.56 min Scan# 4906

Delta R.T. 0.00 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

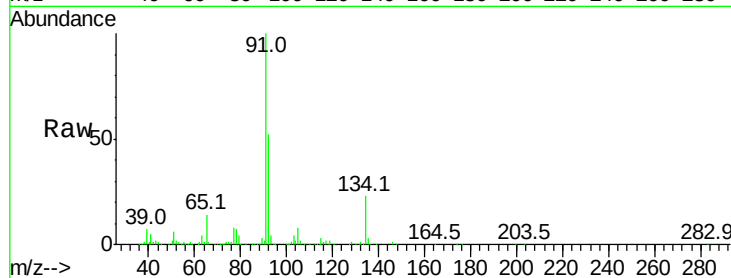
Tgt Ion: 91 Resp: 637427

Ion Ratio Lower Upper

91 100

92 54.2 44.0 66.0

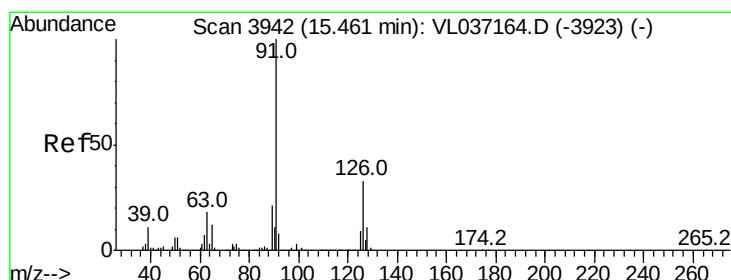
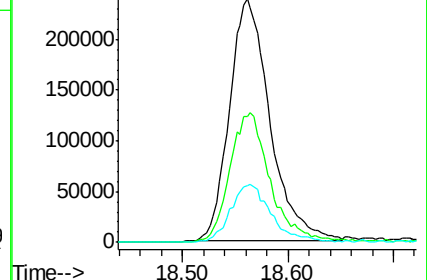
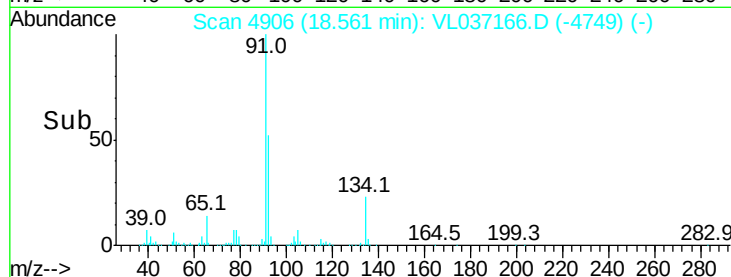
134 24.6 20.2 30.4



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: 1.050 ppbv

RT: 15.46 min Scan# 3941

Delta R.T. -0.00 min

Lab File: VL037166.D

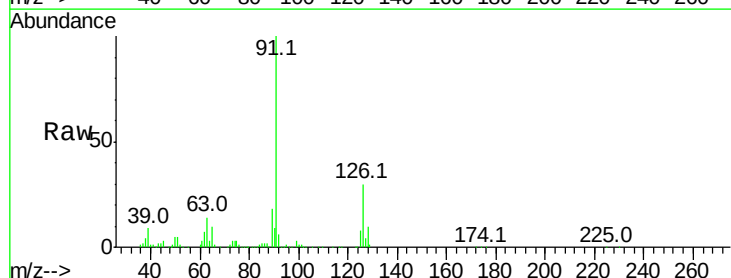
Acq: 16 Jun 2021 10:42

Tgt Ion: 91 Resp: 493487

Ion Ratio Lower Upper

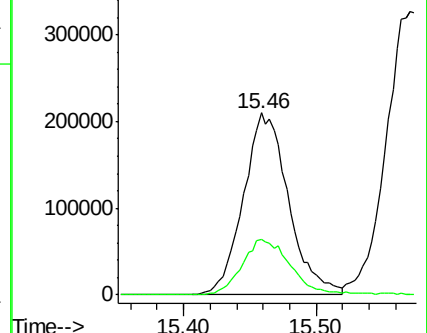
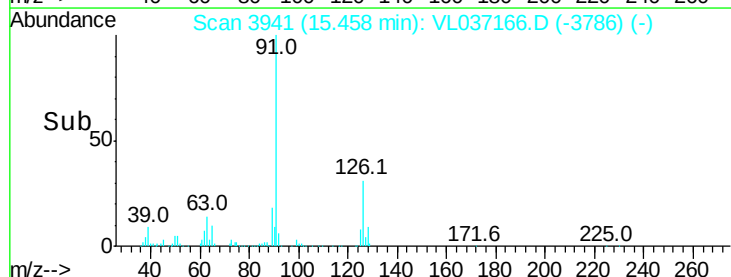
91 100

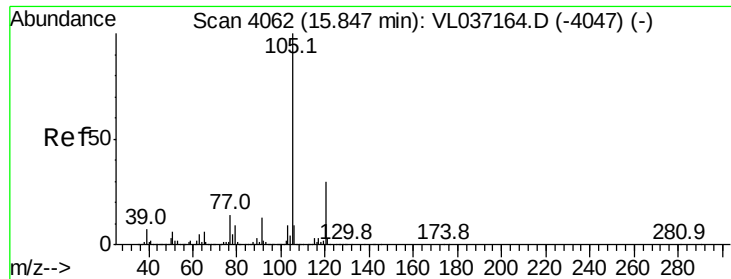
126 34.4 13.5 54.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V





#72

4-Ethyltoluene

Concen: 1.023 ppbv

RT: 15.85 min Scan# 4062

Delta R.T. 0.00 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:105 Resp: 549673

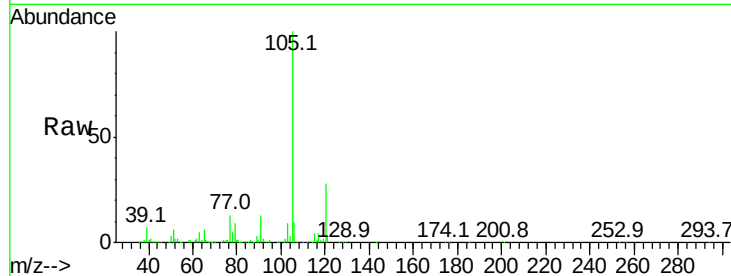
Ion Ratio Lower Upper

105 100

120 32.1 24.7 37.1

91 13.4 10.2 15.4

77 14.5 11.0 16.6

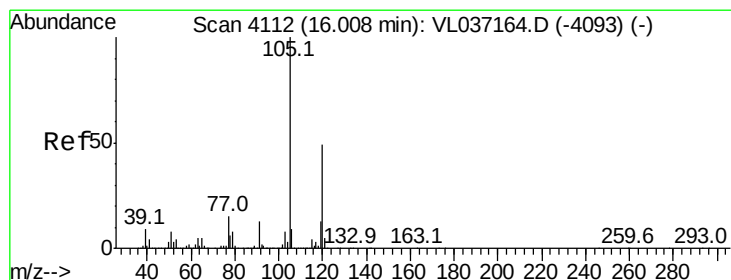
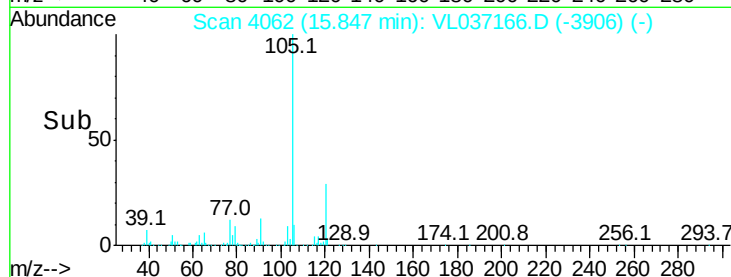
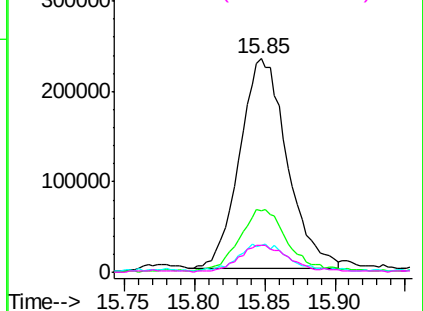


Abundance Ion 105.10 (104.80 to 105.80): V

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



#73

1,3,5-Trimethylbenzene

Concen: 1.000 ppbv

RT: 16.00 min Scan# 4111

Delta R.T. -0.00 min

Lab File: VL037166.D

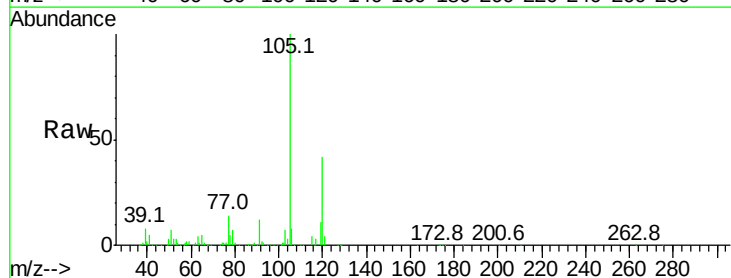
Acq: 16 Jun 2021 10:42

Tgt Ion:105 Resp: 509224

Ion Ratio Lower Upper

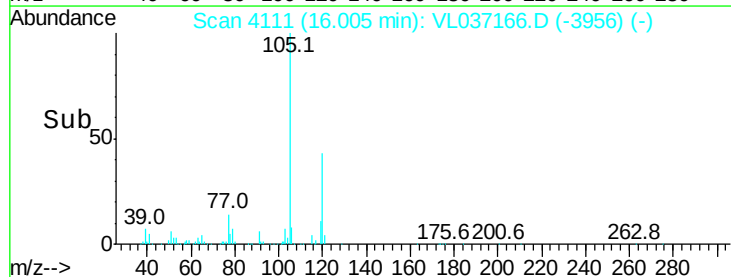
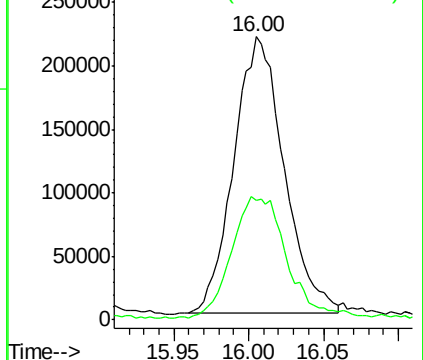
105 100

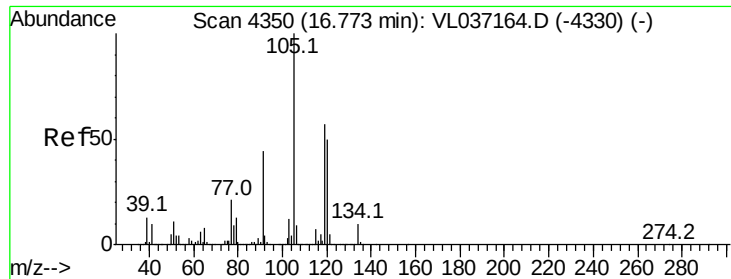
120 42.8 39.4 59.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#74

1,2,4-Trimethylbenzene

Concen: 1.105 ppbv

RT: 16.77 min Scan# 4349

Delta R.T. -0.00 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:105 Resp: 572609

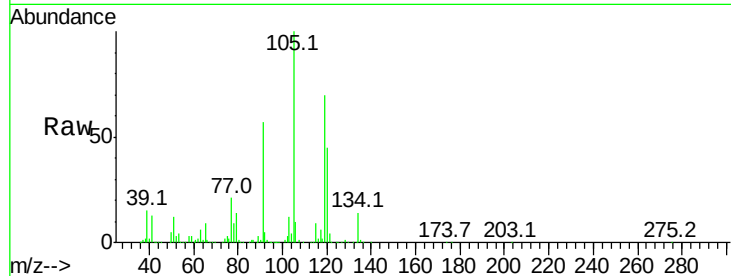
Ion Ratio Lower Upper

105 100

120 44.0 39.8 59.8

91 54.9 37.0 55.4

77 20.4 17.0 25.4

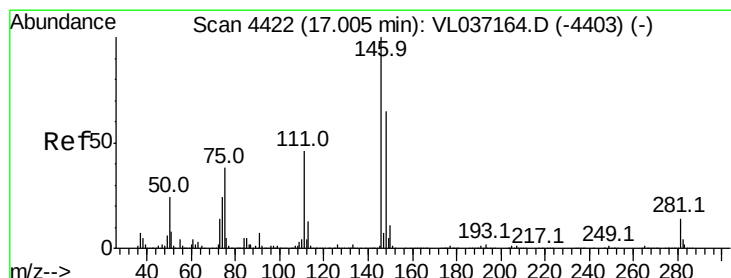
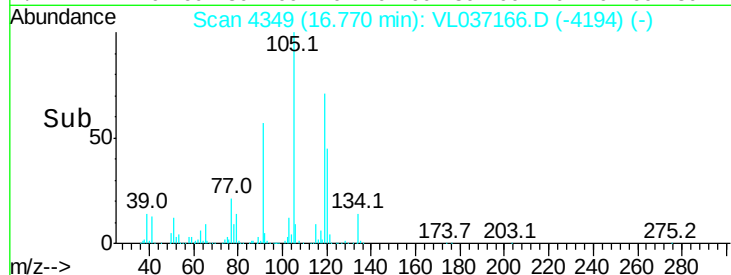
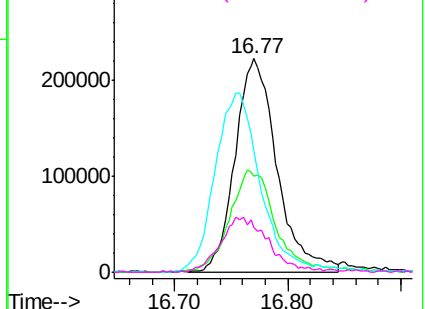


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#75

1,3-Dichlorobenzene

Concen: 1.008 ppbv

RT: 17.00 min Scan# 4421

Delta R.T. -0.00 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

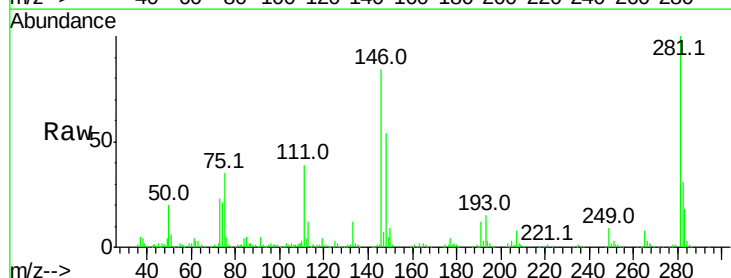
Tgt Ion:146 Resp: 321753

Ion Ratio Lower Upper

146 100

111 47.6 22.2 66.6

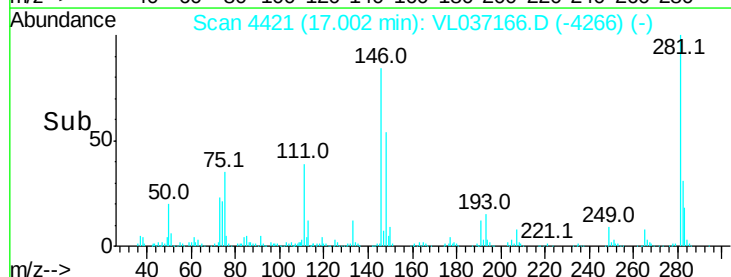
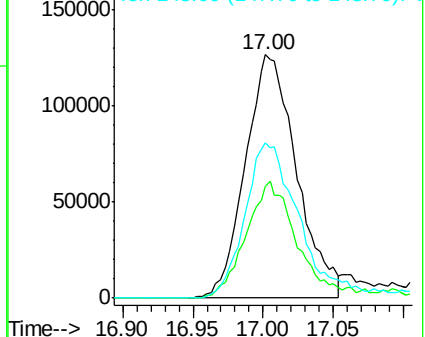
148 68.1 32.4 97.2

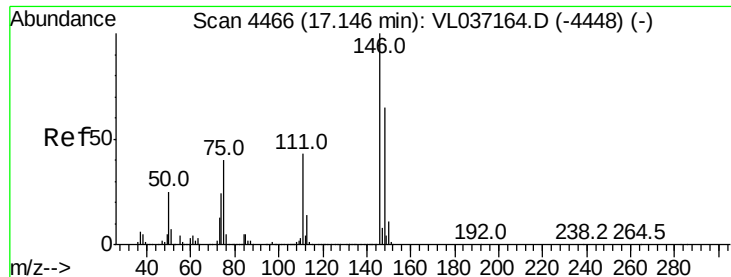


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

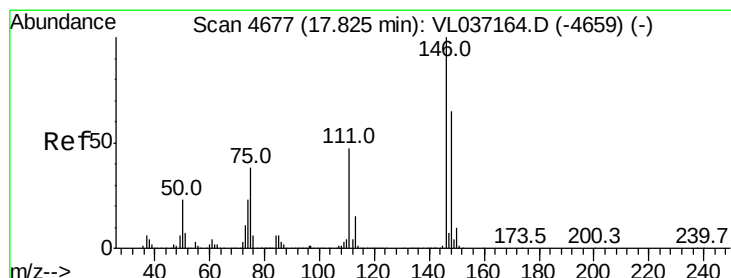
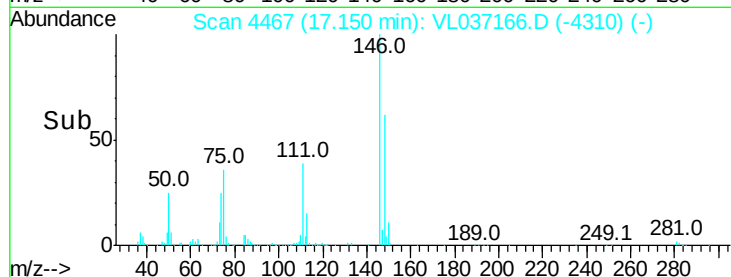
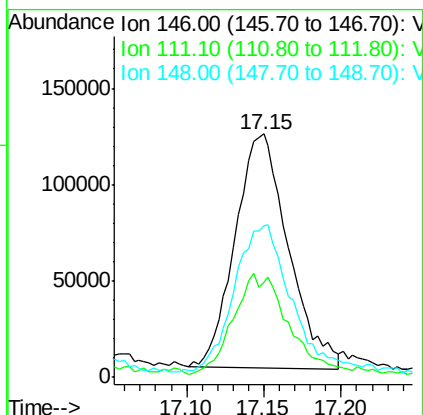
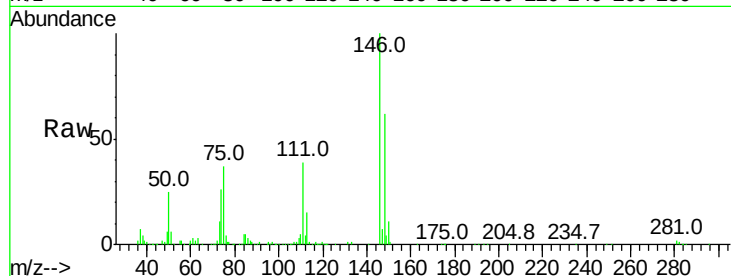




#76
 1,4-Dichlorobenzene
 Concen: 0.917 ppbv
 RT: 17.15 min Scan# 4467
 Delta R.T. 0.00 min
 Lab File: VL037166.D
 Acq: 16 Jun 2021 10:42

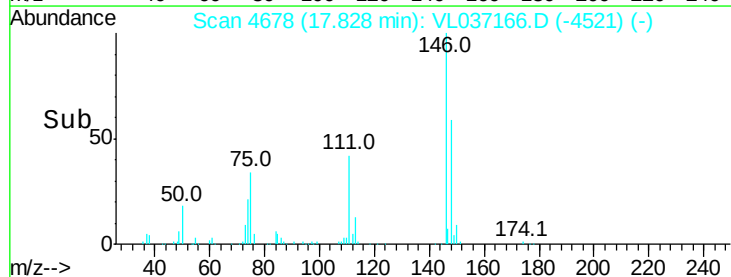
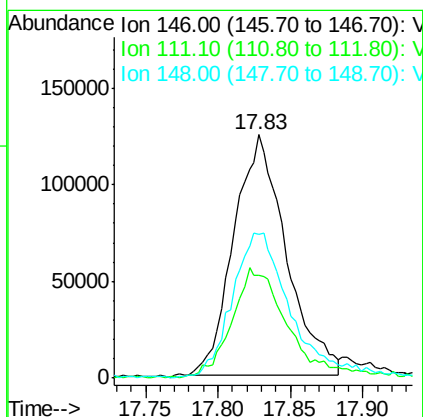
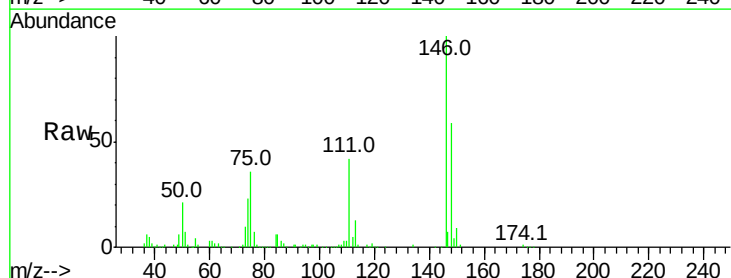
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

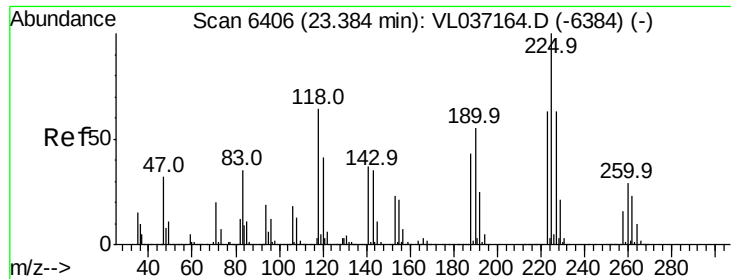
Tgt Ion:146 Resp: 290765
 Ion Ratio Lower Upper
 146 100
 111 49.1 22.7 68.0
 148 74.0 33.7 101.1



#77
 1,2-Dichlorobenzene
 Concen: 0.994 ppbv
 RT: 17.83 min Scan# 4678
 Delta R.T. 0.00 min
 Lab File: VL037166.D
 Acq: 16 Jun 2021 10:42

Tgt Ion:146 Resp: 312966
 Ion Ratio Lower Upper
 146 100
 111 49.0 23.3 69.8
 148 67.8 32.4 97.0





#78

Hexachloro-1,3-Butadiene

Concen: 1.285 ppbv

RT: 23.39 min Scan# 6407

Delta R.T. 0.00 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

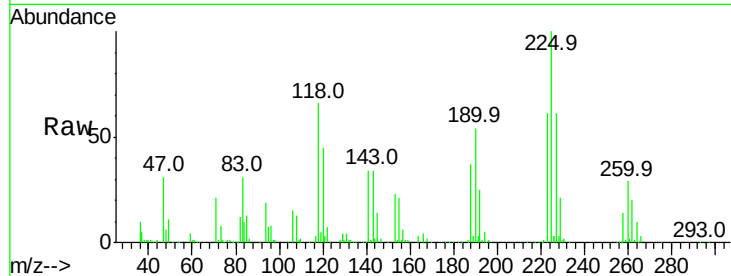
Tgt Ion:225 Resp: 286651

Ion Ratio Lower Upper

225 100

223 68.1 51.8 77.8

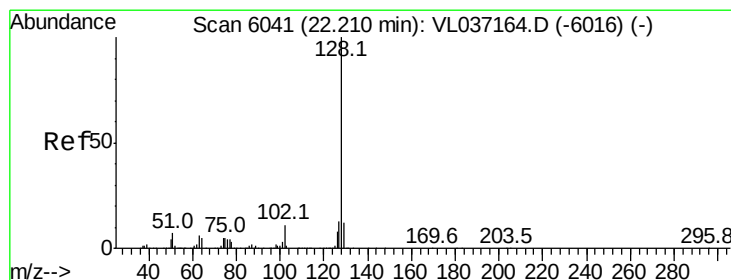
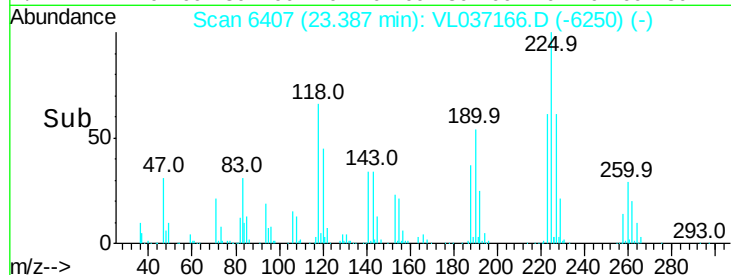
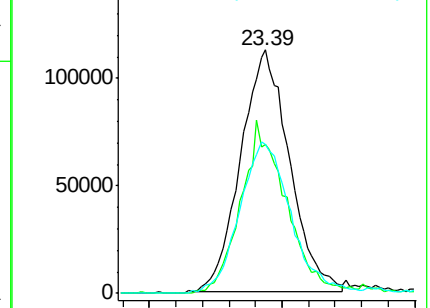
227 67.3 51.4 77.0



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: 1.279 ppbv

RT: 22.21 min Scan# 6041

Delta R.T. 0.00 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

Tgt Ion:128 Resp: 399135

Ion Ratio Lower Upper

128 100

127 13.0 10.7 16.1

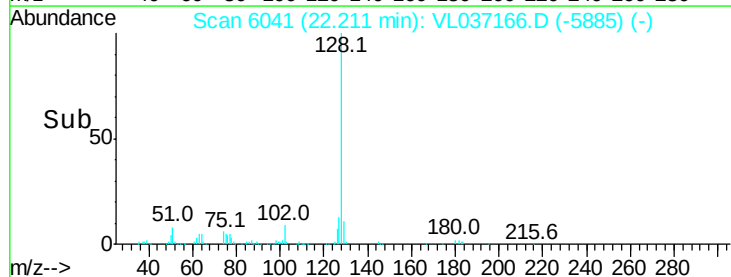
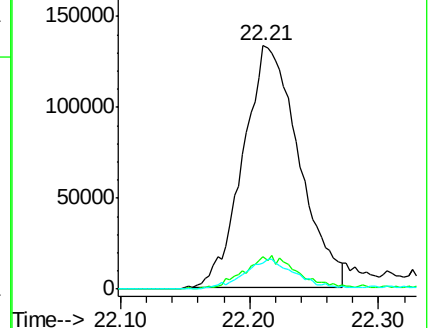
129 10.9 9.3 13.9

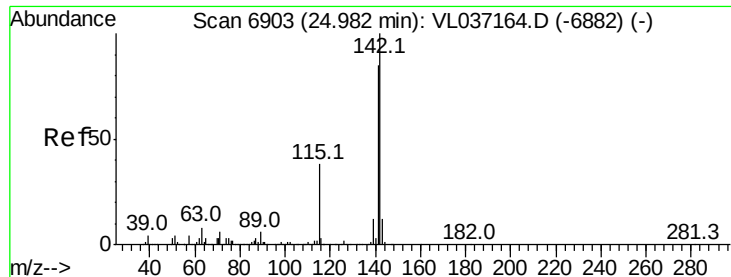


Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V





#80

Naphthalene, 2-methyl-

Concen: 1.061 ppbv

RT: 24.99 min Scan# 6907

Delta R.T. 0.01 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

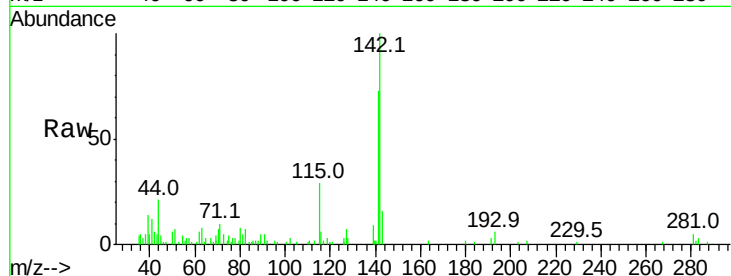
Tgt Ion:142 Resp: 80116

Ion Ratio Lower Upper

142 100

141 86.7 63.7 95.5

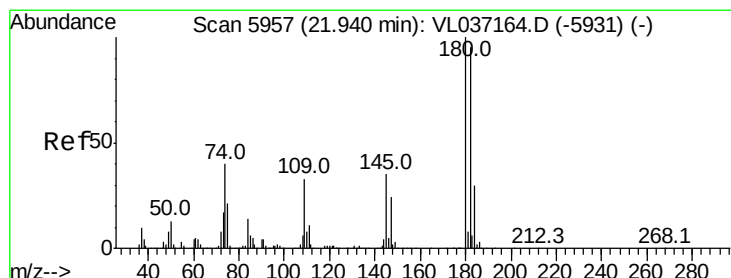
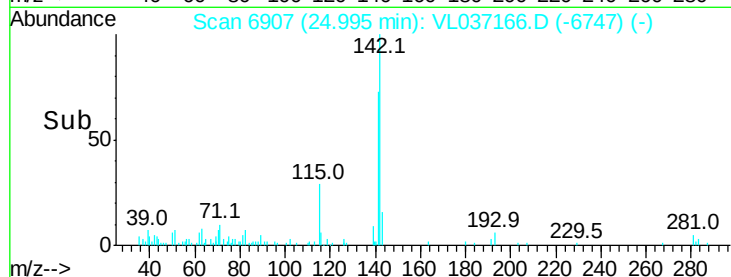
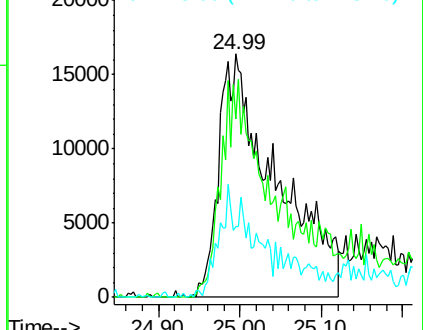
115 30.4 30.6 45.8#



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V



#81

1,2,4-Trichlorobenzene

Concen: 0.587 ppbv

RT: 21.94 min Scan# 5956

Delta R.T. -0.00 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

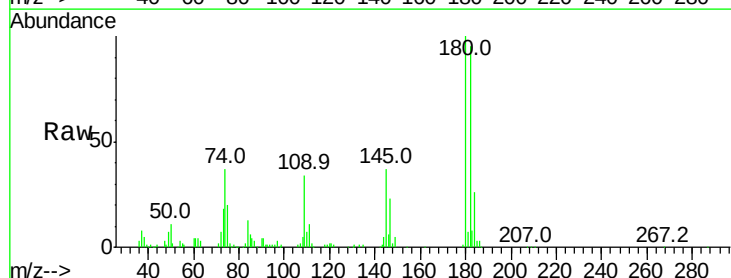
Tgt Ion:180 Resp: 116559

Ion Ratio Lower Upper

180 100

182 216.5 79.3 118.9#

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

