

Data File : VL037165.D

Acq On : 16 Jun 2021 10:04

Operator : SY/AP

Sample : VSTDIC002

Misc : 400mL/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Quant Time: Jun 16 11:33:08 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	1572013	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4642565	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4448230	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3239582	9.89	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.90%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.05	85	514193	2.054	ppbv	97
3) Chlorodifluoromethane	2.99	51	641221	2.174	ppbv	99
4) Chloromethane	3.14	50	212698	2.117	ppbv	98
5) Vinyl Chloride	3.26	62	234536	2.413	ppbv	98
6) Bromomethane	3.47	94	131990	2.135	ppbv	98
7) Chloroethane	3.56	64	76981	2.029	ppbv	92
8) Dichlorotetrafluoroethane	3.19	85	572876	2.142	ppbv	98
9) Propene	3.01	41	209125	2.150	ppbv	100
10) Heptane	8.13	43	516080	2.226	ppbv	98
11) Trichlorofluoromethane	3.95	101	605599	2.132	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	429660	2.205	ppbv	98
13) Ethanol	3.62	45	27403	2.039	ppbv	70
14) Bromoethene	3.74	108	177010	2.099	ppbv	94
15) Acetone	3.86	43	432819	2.301	ppbv #	84
16) 1,3-Butadiene	3.33	39	227092	2.236	ppbv	98
17) tert-Butyl alcohol	4.30	59	366702	2.253	ppbv	98
18) 1,1-Dichloroethene	4.29	96	185693	2.112	ppbv	99
19) Isopropyl Alcohol	3.98	45	206728	2.003	ppbv #	95
20) Methylene Chloride	4.35	84	272516	3.324	ppbv	97
21) Allyl Chloride	4.42	41	261113	2.078	ppbv	96
22) trans-1,2-Dichloroethene	4.89	96	192686	2.250	ppbv	98
23) Vinyl Acetate	5.08	43	561873	2.275	ppbv	100
24) 1,1-Dichloroethane	5.02	63	438064	2.210	ppbv	99
25) Ethyl Acetate	5.69	43	838234	2.274	ppbv	98
26) Hexane	5.69	57	420968	2.297	ppbv	95
27) Carbon Disulfide	4.56	76	404107	2.174	ppbv	96
28) Methyl tert-Butyl Ether	5.04	73	489928	2.134	ppbv	100
29) Chloroform	5.76	83	629477	2.127	ppbv	98
30) Cyclohexane	7.14	84	342026	2.140	ppbv	88
31) cis-1,2-Dichloroethene	5.55	61	367755	2.082	ppbv	100
32) 1,1,1-Trichloroethane	6.52	97	649989	2.392	ppbv	100
34) 2-Butanone	5.25	43	341190	1.957	ppbv #	88
35) Carbon Tetrachloride	7.03	117	673975	2.362	ppbv	94
36) Benzene	6.90	78	797796	2.166	ppbv	98
37) 1,2-Dichloroethane	6.31	62	439384	2.054	ppbv	100
38) Trichloroethene	7.84	130	338661	2.127	ppbv	94
39) 1,2-Dichloropropane	7.62	63	297822	2.117	ppbv	96
40) 1,4-Dioxane	7.86	88	78705	1.998	ppbv	65
41) Tetrahydrofuran	6.07	42	176113	2.075	ppbv	96
42) Bromodichloromethane	7.80	83	646144	2.192	ppbv	99
43) Methyl Methacrylate	8.02	69	276657	2.189	ppbv	97

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Sample : VSTDIC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

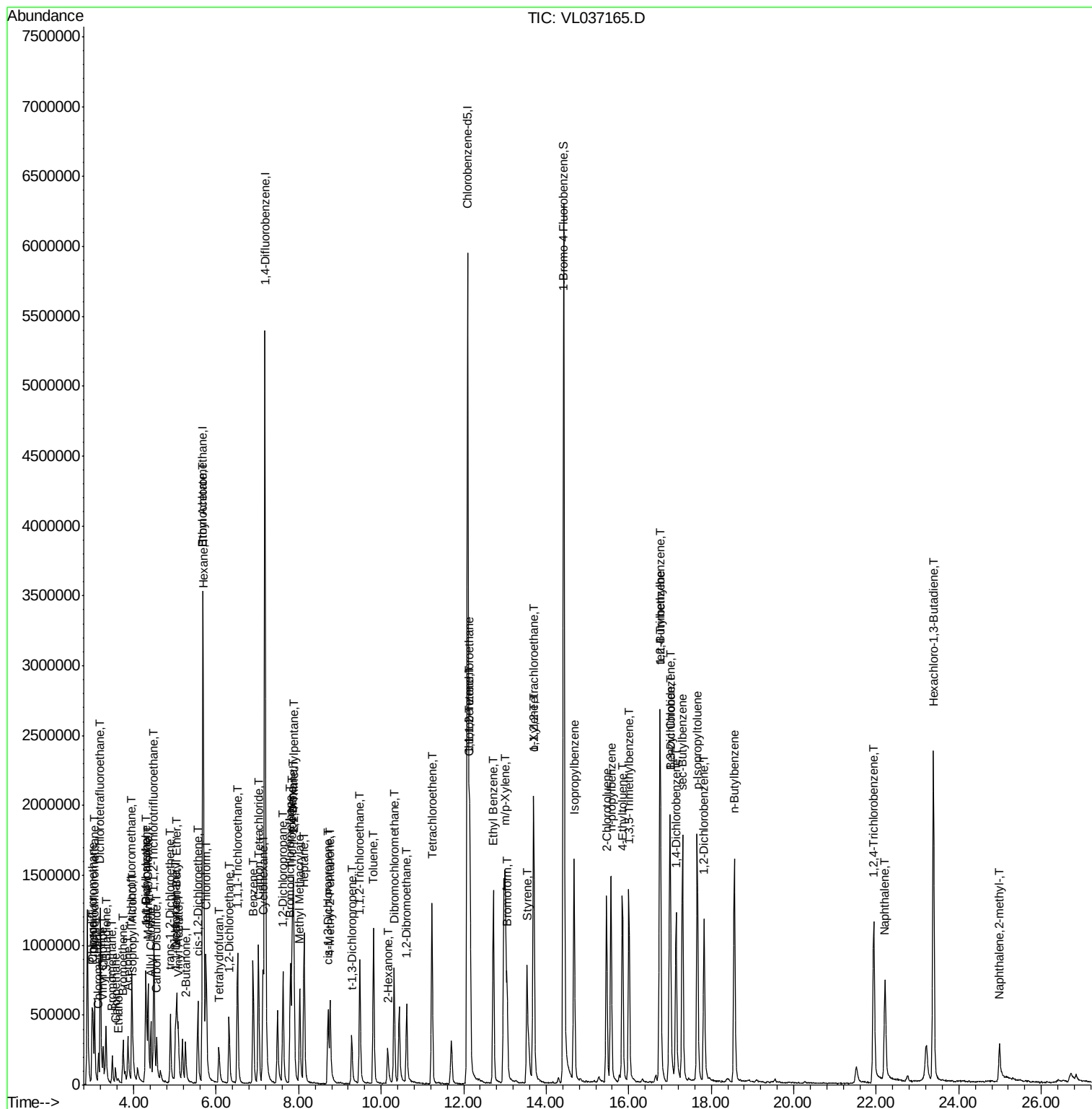
Quant Time: Jun 16 11:33:08 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL061621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 16 11:33:05 2021
QLast Update : Wed Jun 16 11:33:05 2021
Response via : Initial Calibration

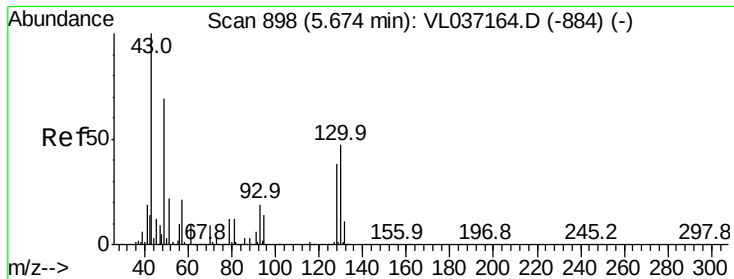
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	1392244	2.258	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	227346	1.996	ppbv	95
46) cis-1,3-Dichloropropene	8.71	75	333300	2.193	ppbv	95
47) 1,1,2-Trichloroethane	9.48	97	330404	2.071	ppbv	98
48) Dibromochloromethane	10.32	129	545693	2.120	ppbv	96
49) Bromoform	13.05	173	417351	2.076	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	540451	2.107	ppbv	98
51) 2-Hexanone	10.16	43	271527	2.121	ppbv #	99
52) Tetrachloroethene	11.23	164	341343	2.240	ppbv	95
53) Toluene	9.82	91	979146	2.236	ppbv	98
54) 1,2-Dibromoethane	10.62	107	504195	2.158	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.14	131	170856	0.881	ppbv #	9
57) Chlorobenzene	12.15	112	749452	2.103	ppbv	100
58) Ethyl Benzene	12.72	91	1319861	2.191	ppbv	99
59) m/p-Xylene	13.00	91	1086705	2.122	ppbv #	28
60) o-Xylene	13.70	91	1065122	2.167	ppbv	99
61) Styrene	13.54	104	539220	2.080	ppbv	98
62) Isopropylbenzene	14.67	105	1502881	2.145	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.69	83	677532	2.120	ppbv	99
64) n-propylbenzene	15.57	120	375050	2.099	ppbv	82
65) tert-Butylbenzene	16.75	119	1395250	2.197	ppbv	100
66) Benzyl Chloride	17.00	91	13737	0.496	ppbv #	1
67) sec-Butylbenzene	17.30	105	1850998	2.194	ppbv	98
69) p-Isopropyltoluene	17.66	119	1584845	2.247	ppbv	98
70) n-Butylbenzene	18.56	91	1458294	2.260	ppbv	98
71) 2-Chlorotoluene	15.46	91	1052843	2.106	ppbv	100
72) 4-Ethyltoluene	15.85	105	1205907	2.112	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	1135065	2.095	ppbv	94
74) 1,2,4-Trimethylbenzene	16.77	105	1208673	2.193	ppbv	95
75) 1,3-Dichlorobenzene	17.00	146	717761	2.115	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	692900	2.056	ppbv	97
77) 1,2-Dichlorobenzene	17.82	146	698267	2.087	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	614123	2.589	ppbv	98
79) Naphthalene	22.21	128	1065846	3.213	ppbv	99
80) Naphthalene,2-methyl-	24.99	142	238299	2.969	ppbv #	83
81) 1,2,4-Trichlorobenzene	21.94	180	598560	2.836	ppbv	100

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

ALS Vial : 1 Sample Multiplier: 1

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.00 min

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MSVOA_L

ClientSampleId :

VSTDIC002

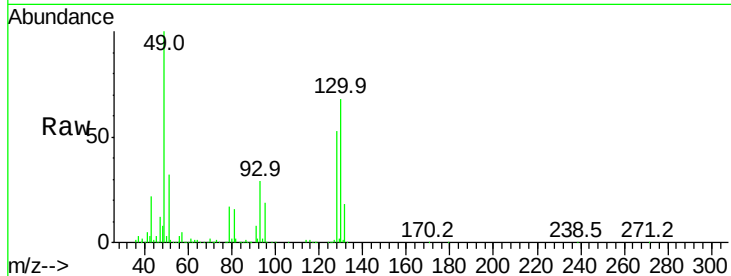
Tgt Ion: 49 Resp: 1572013

Ion Ratio Lower Upper

49 100

128 57.5 29.3 88.0

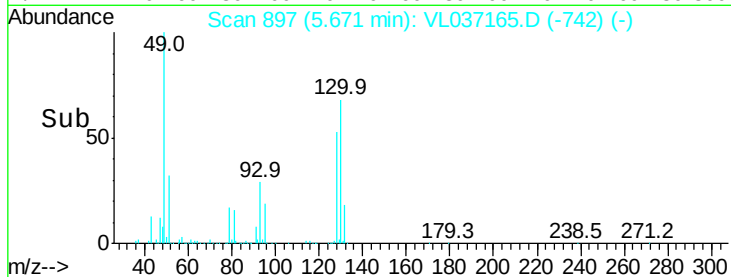
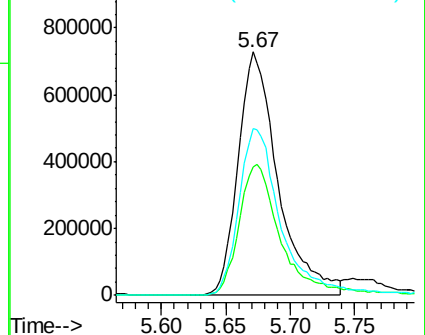
130 73.6 35.9 107.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 2.054 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.00 min

Lab File: VL037165.D

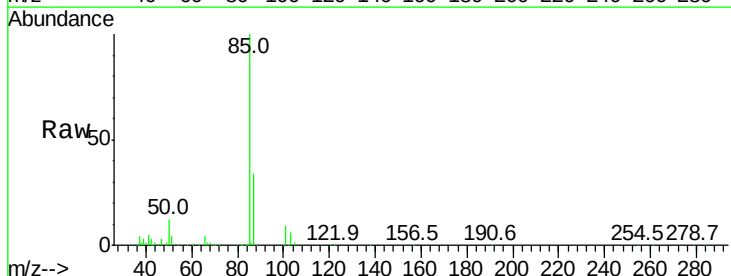
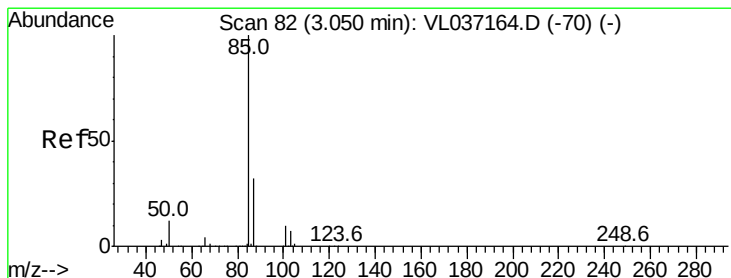
Acq: 16 Jun 2021 10:04

Tgt Ion: 85 Resp: 514193

Ion Ratio Lower Upper

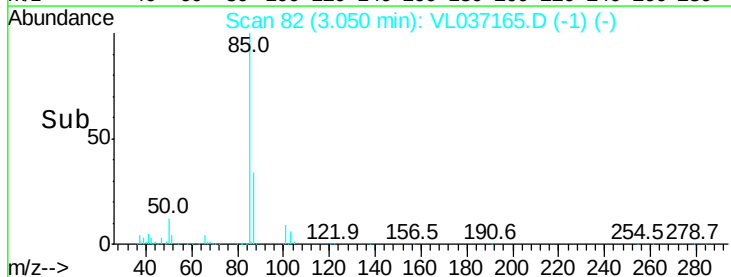
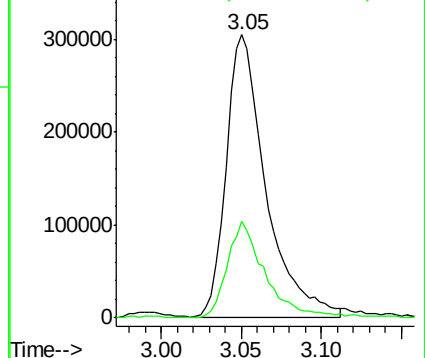
85 100

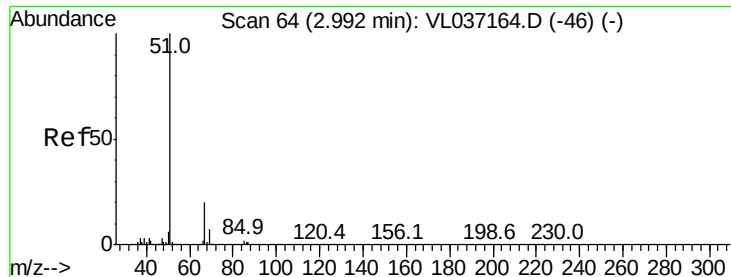
87 33.8 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 2.174 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.00 min

Lab File: VL037165.D

Acq: 16 Jun 2021 10:04

Instrument :

MSVOA_L

ClientSampleId :

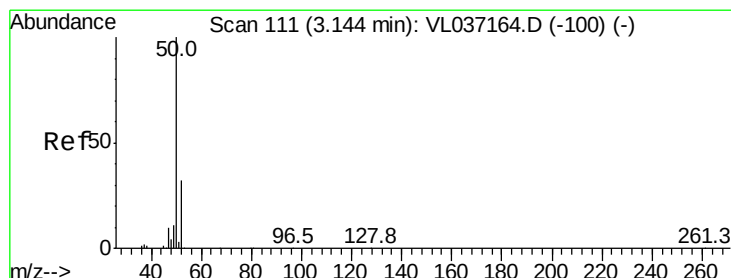
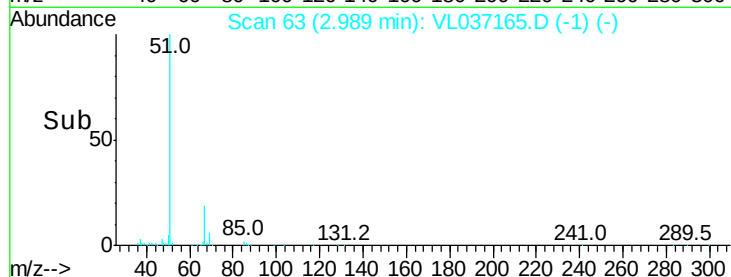
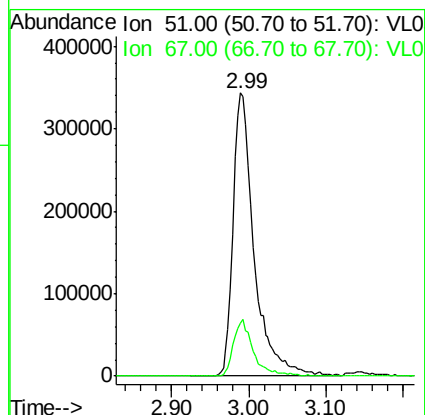
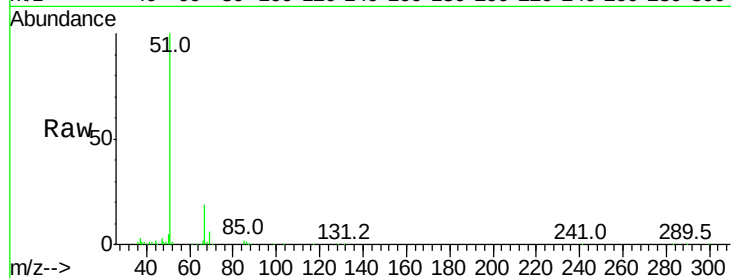
VSTDIC002

Tgt Ion: 51 Resp: 641221

Ion Ratio Lower Upper

51 100

67 19.1 15.8 23.6



#4

Chloromethane

Concen: 2.117 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL037165.D

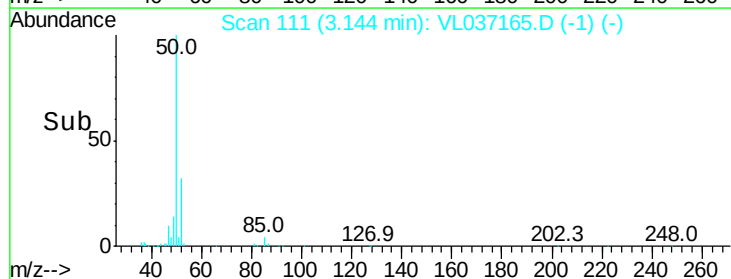
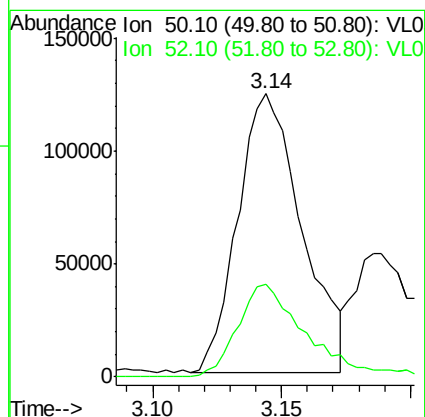
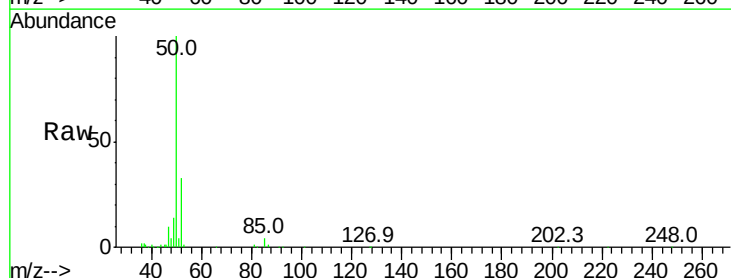
Acq: 16 Jun 2021 10:04

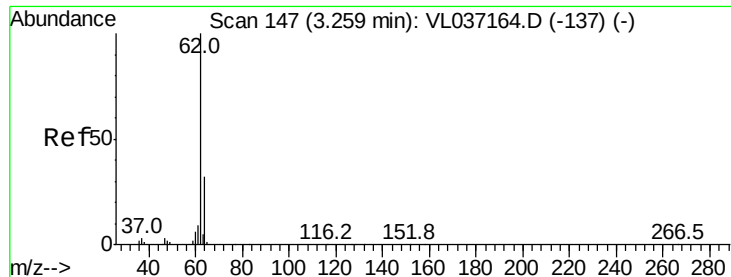
Tgt Ion: 50 Resp: 212698

Ion Ratio Lower Upper

50 100

52 33.2 25.8 38.8





#5

Vinyl Chloride

Concen: 2.413 ppbv

RT: 3.26 min Scan# 148

Delta R.T. 0.00 min

Lab File: VL037165.D

Acq: 16 Jun 2021 10:04

Instrument :

MSVOA_L

ClientSampleId :

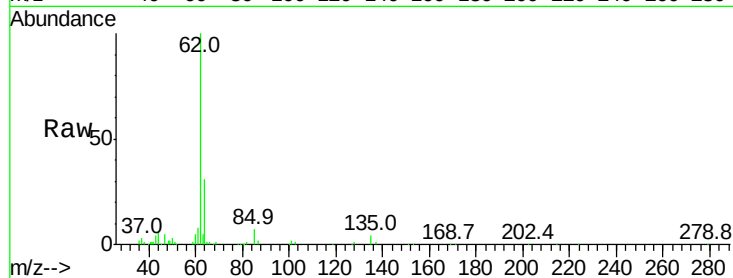
VSTDIC002

Tgt Ion: 62 Resp: 234536

Ion Ratio Lower Upper

62 100

64 31.1 25.6 38.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

150000

100000

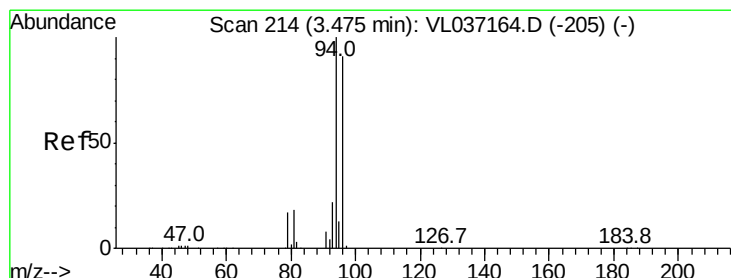
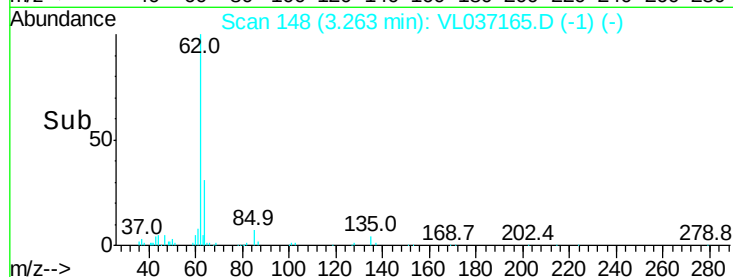
50000

0

3.26

3.20 3.25 3.30 3.35

Time-->



#6

Bromomethane

Concen: 2.135 ppbv

RT: 3.47 min Scan# 214

Delta R.T. 0.00 min

Lab File: VL037165.D

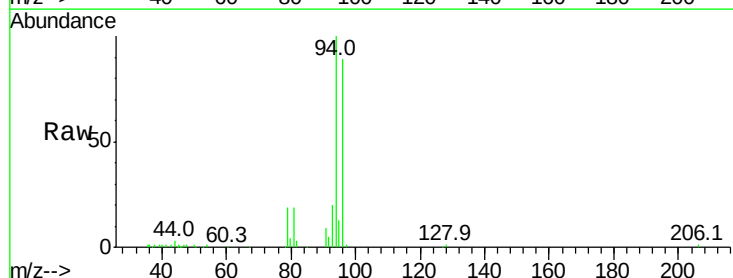
Acq: 16 Jun 2021 10:04

Tgt Ion: 94 Resp: 131990

Ion Ratio Lower Upper

94 100

96 88.4 72.6 108.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

80000

60000

40000

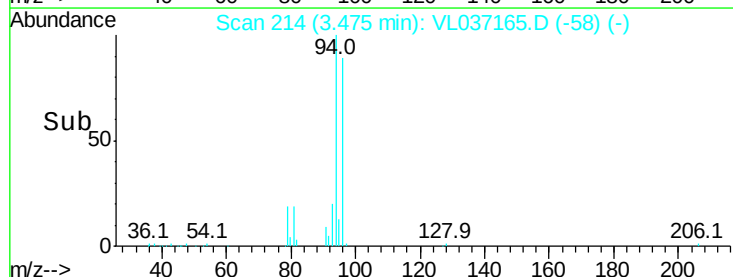
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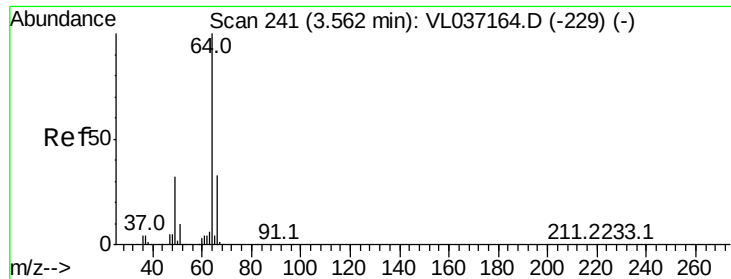
0

3.47

3.45 3.50 3.55

Time-->





#7

Chloroethane

Concen: 2.029 ppbv

RT: 3.56 min Scan# 241

Delta R.T. 0.00 min

Lab File: VL037165.D

Acq: 16 Jun 2021 10:04

Instrument :

MSVOA_L

ClientSampleId :

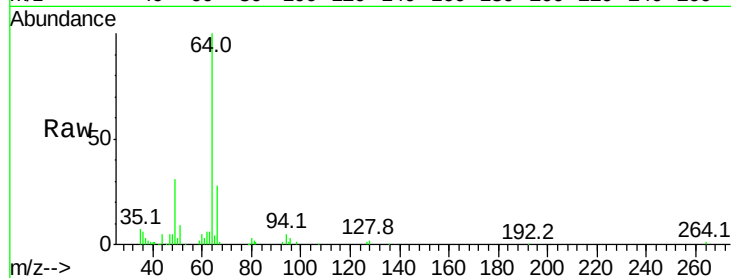
VSTDIC002

Tgt Ion: 64 Resp: 76981

Ion Ratio Lower Upper

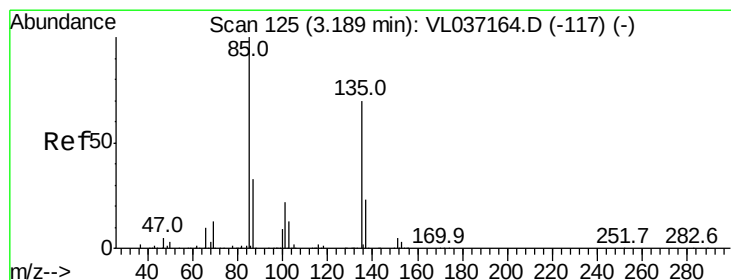
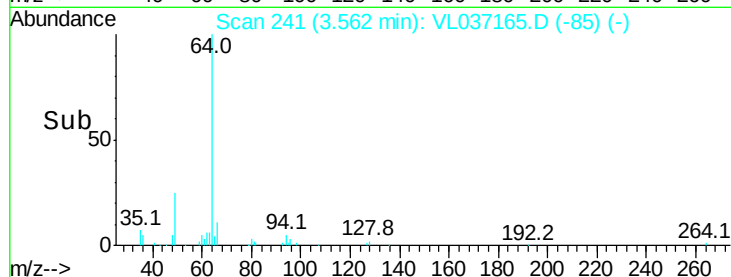
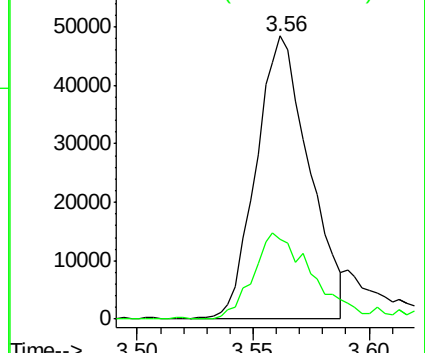
64 100

66 28.3 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: 2.142 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.00 min

Lab File: VL037165.D

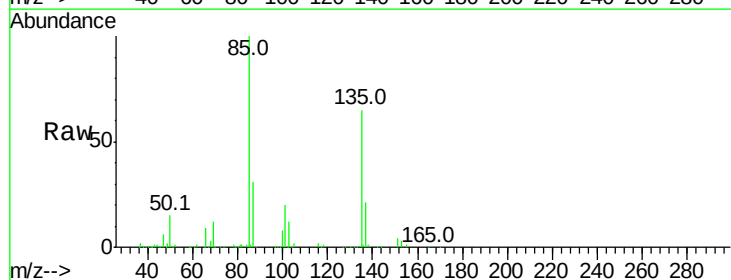
Acq: 16 Jun 2021 10:04

Tgt Ion: 85 Resp: 572876

Ion Ratio Lower Upper

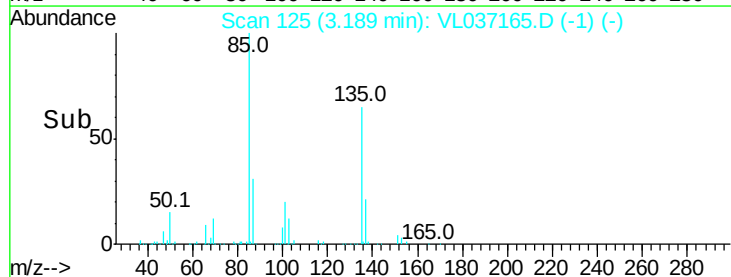
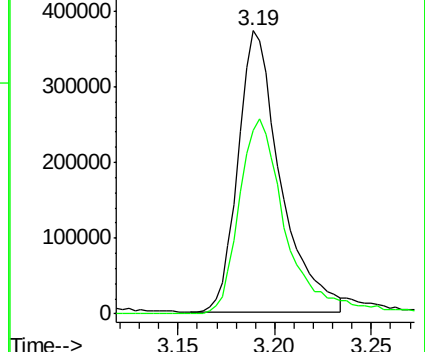
85 100

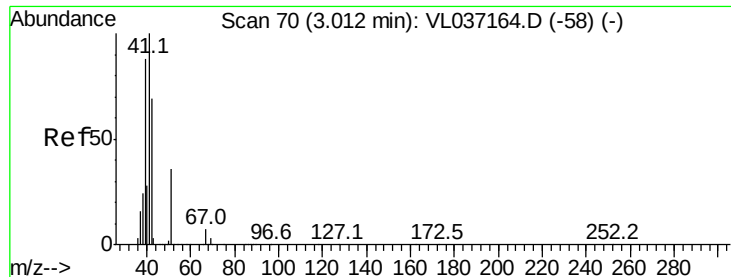
135 77.3 60.4 90.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 2.150 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.00 min

Lab File: VL037165.D

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Instrument :

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ClientSampleId :

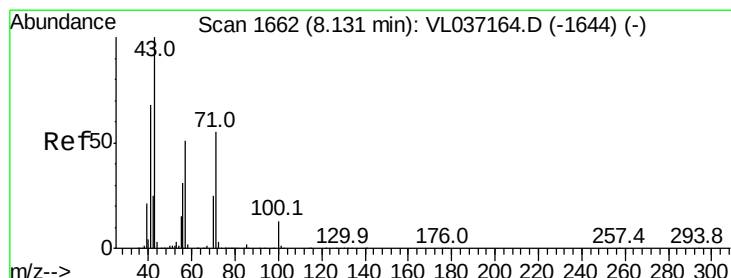
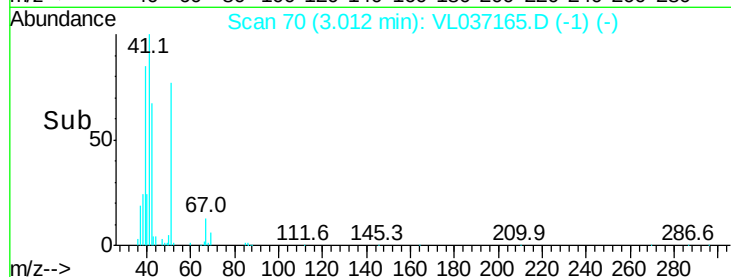
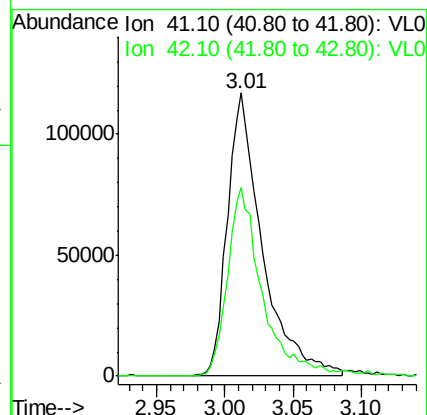
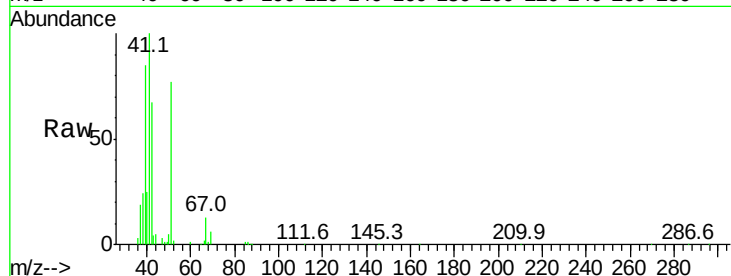
VSTDIC002

Tgt Ion: 41 Resp: 209125

Ion Ratio Lower Upper

41 100

42 67.7 54.5 81.7



#10

Heptane

Concen: 2.226 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. 0.00 min

Lab File: VL037165.D

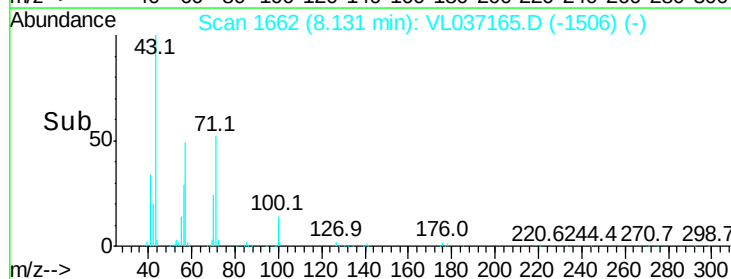
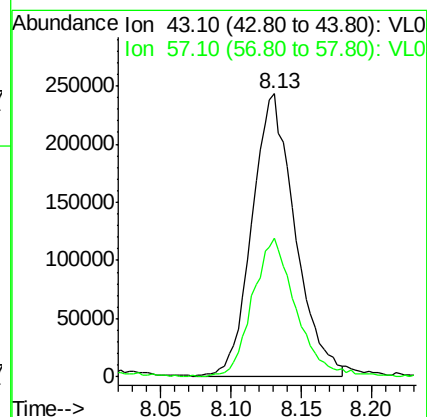
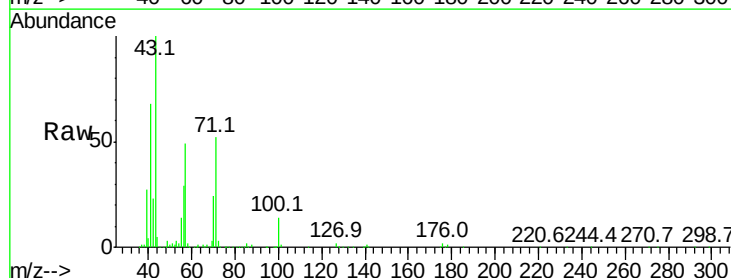
Acq: 16 Jun 2021 10:04

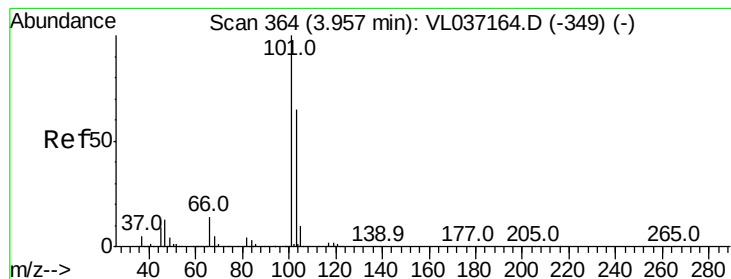
Tgt Ion: 43 Resp: 516080

Ion Ratio Lower Upper

43 100

57 49.6 40.6 61.0





#11

Trichlorofluoromethane

Concen: 2.132 ppbv

RT: 3.95 min Scan# 363

Delta R.T. -0.00 min

Lab File: VL037165.D

Acq: 16 Jun 2021 10:04

Instrument :

MSVOA_L

ClientSampleId :

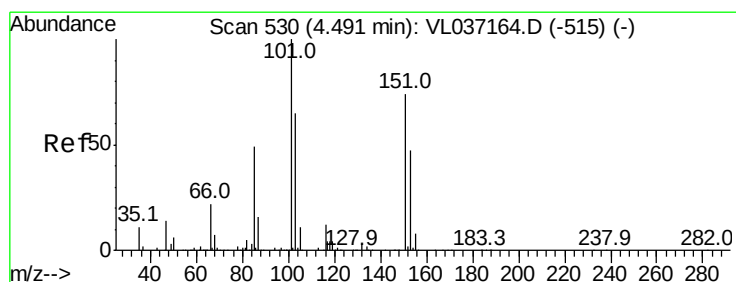
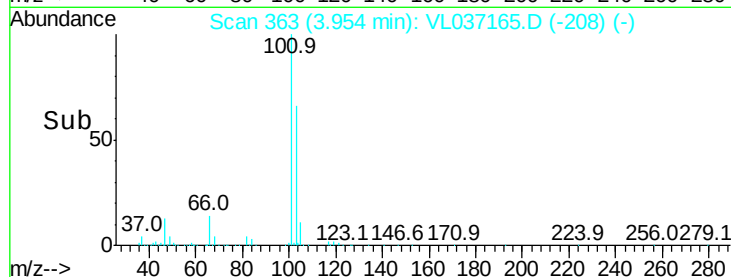
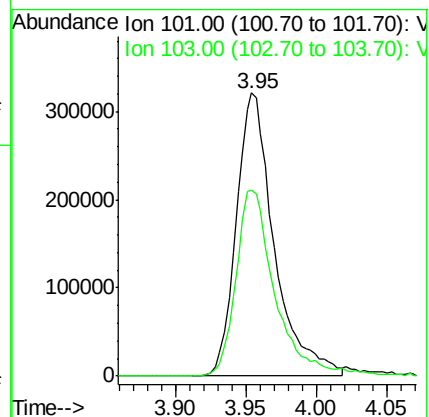
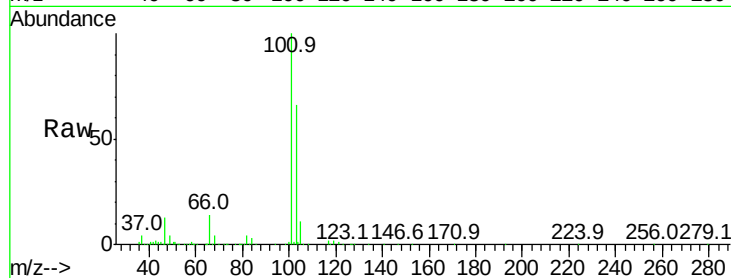
VSTDIC002

Tgt Ion:101 Resp: 605599

Ion Ratio Lower Upper

101 100

103 65.8 52.2 78.4



#12

1,1,2-Trichlorotrifluoroethane

Concen: 2.205 ppbv

RT: 4.49 min Scan# 530

Delta R.T. 0.00 min

Lab File: VL037165.D

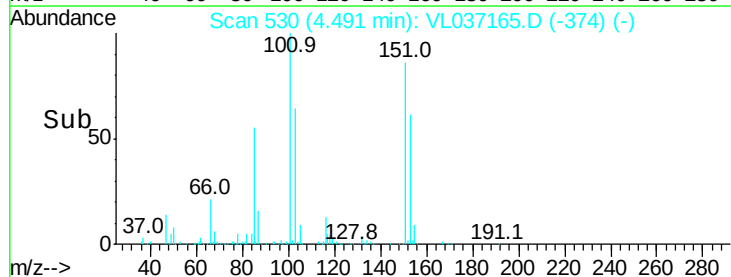
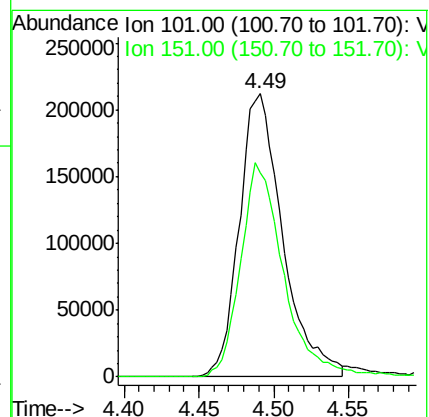
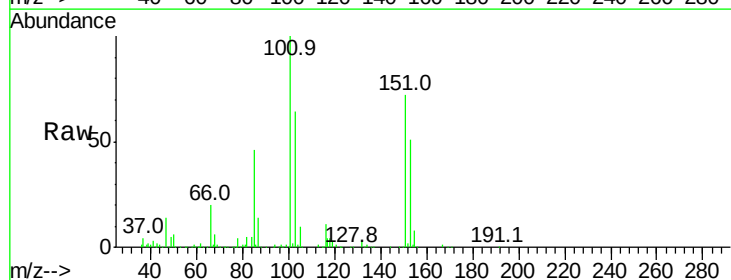
Acq: 16 Jun 2021 10:04

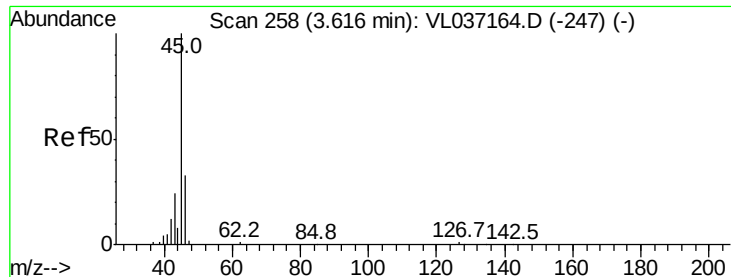
Tgt Ion:101 Resp: 429660

Ion Ratio Lower Upper

101 100

151 75.8 59.1 88.7

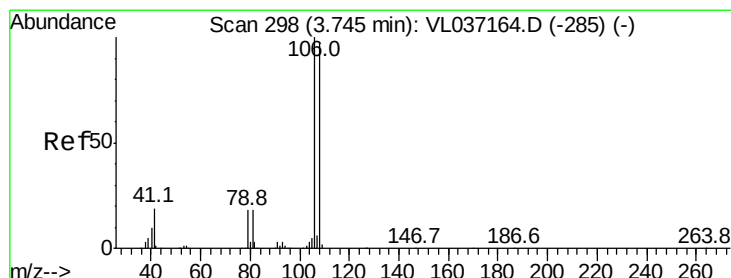
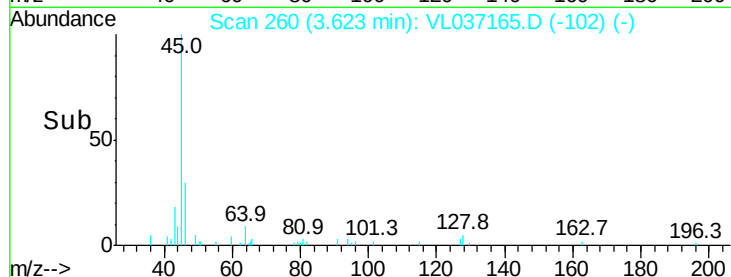
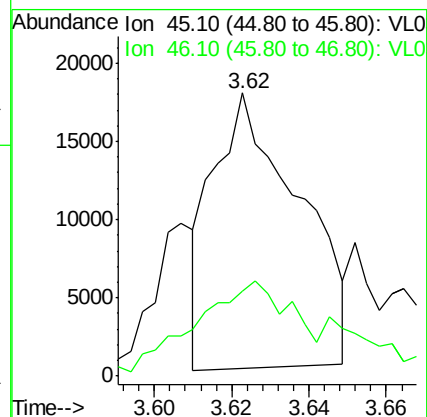
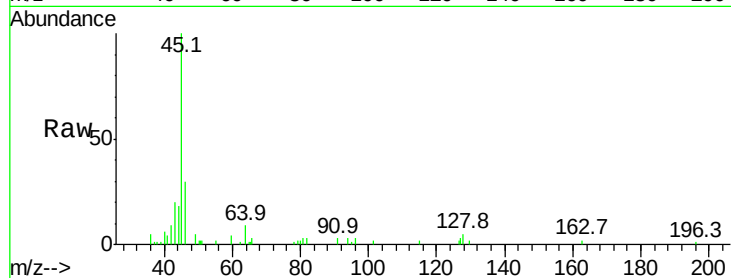




#13
 Ethanol
 Concen: 2.039 ppbv
 RT: 3.62 min Scan# 260
 Delta R.T. 0.01 min
 Lab File: VL037165.D
 Acq: 16 Jun 2021 10:04

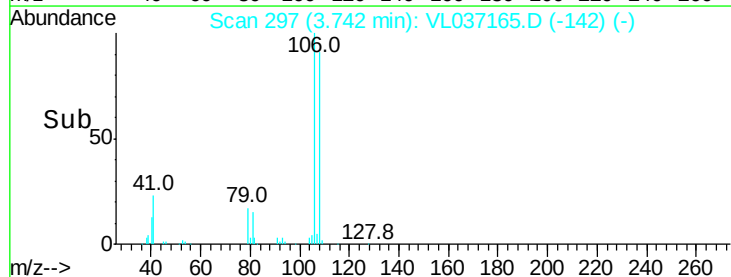
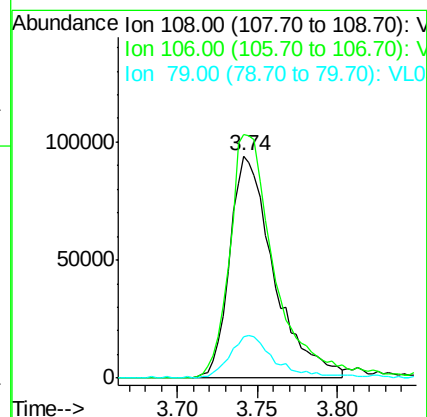
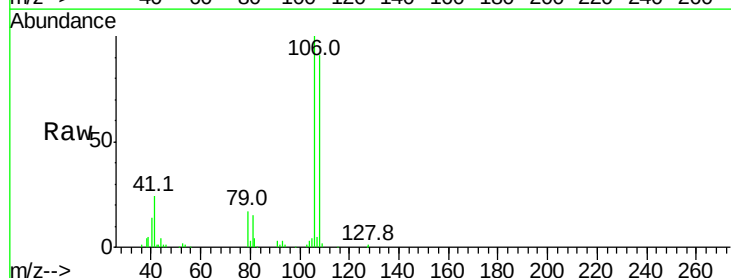
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

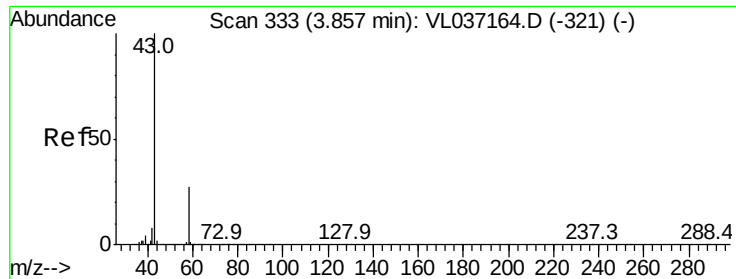
Tgt Ion: 45 Resp: 27403
 Ion Ratio Lower Upper
 45 100
 46 58.0 34.2 137.0



#14
 Bromoethene
 Concen: 2.099 ppbv
 RT: 3.74 min Scan# 297
 Delta R.T. -0.00 min
 Lab File: VL037165.D
 Acq: 16 Jun 2021 10:04

Tgt Ion: 108 Resp: 177010
 Ion Ratio Lower Upper
 108 100
 106 115.3 86.8 130.2
 79 20.6 15.6 23.4





#15

Acetone

Concen: 2.301 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.00 min

Lab File: VL037165.D

Acq: 16 Jun 2021 10:04

Instrument :

MSVOA_L

ClientSampleId :

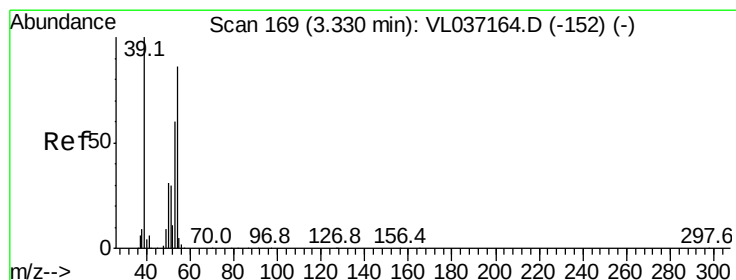
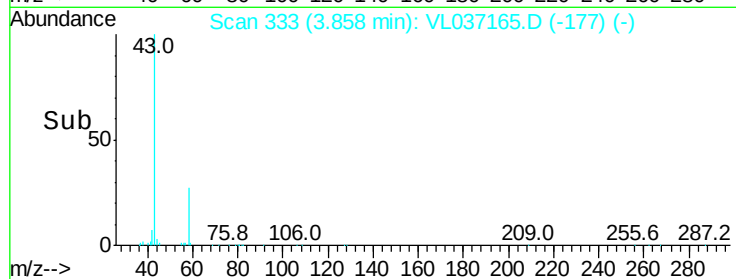
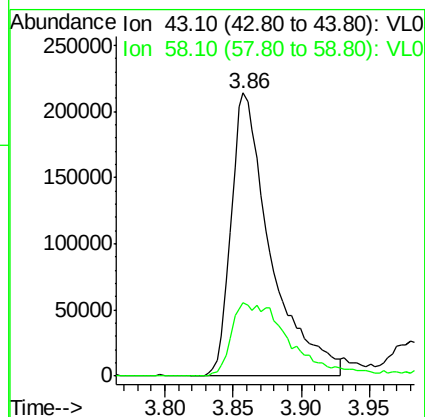
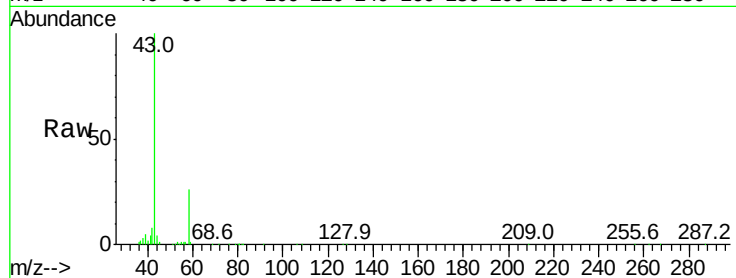
VSTDIC002

Tgt Ion: 43 Resp: 432819

Ion Ratio Lower Upper

43 100

58 38.2 23.7 35.5#



#16

1,3-Butadiene

Concen: 2.236 ppbv

RT: 3.33 min Scan# 168

Delta R.T. -0.00 min

Lab File: VL037165.D

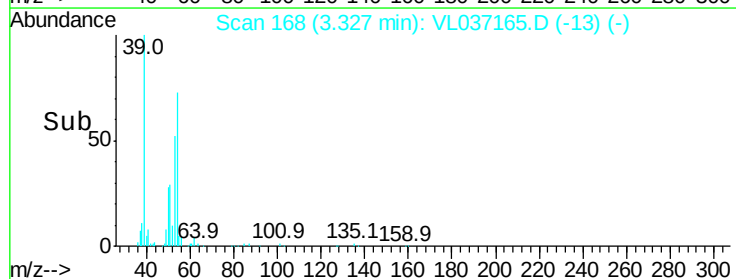
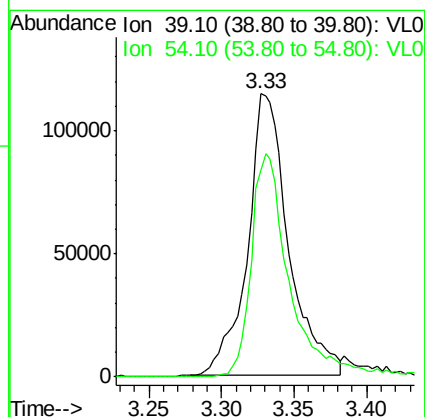
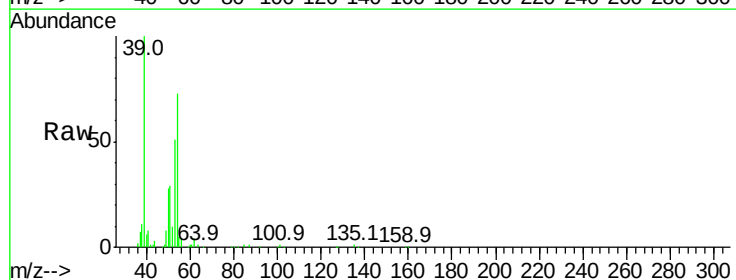
Acq: 16 Jun 2021 10:04

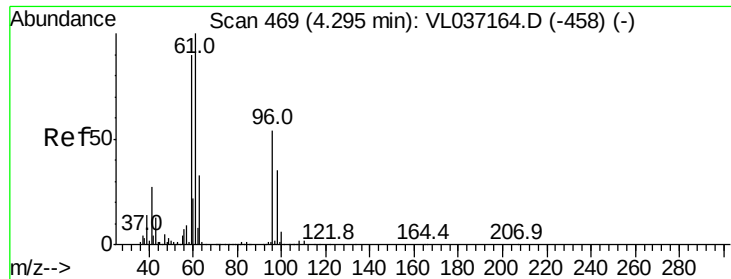
Tgt Ion: 39 Resp: 227092

Ion Ratio Lower Upper

39 100

54 74.7 61.2 91.8



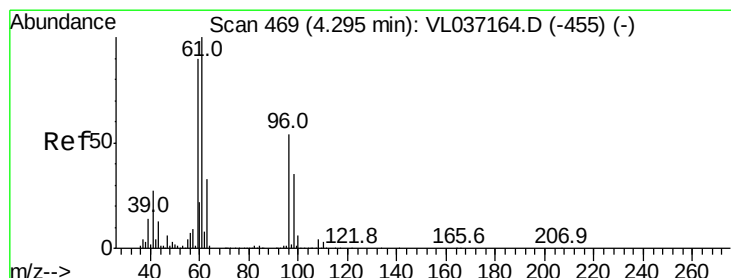
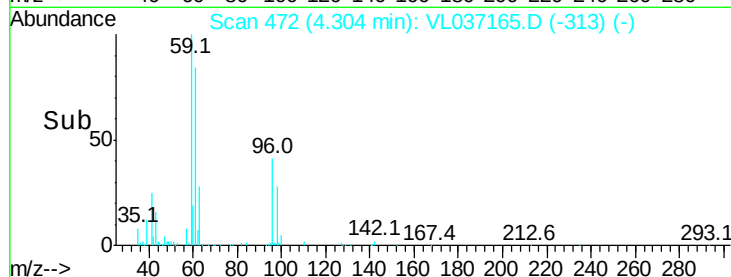
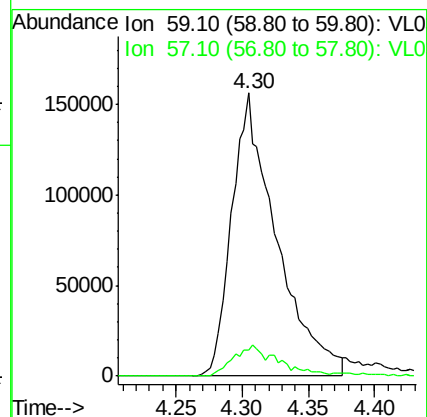
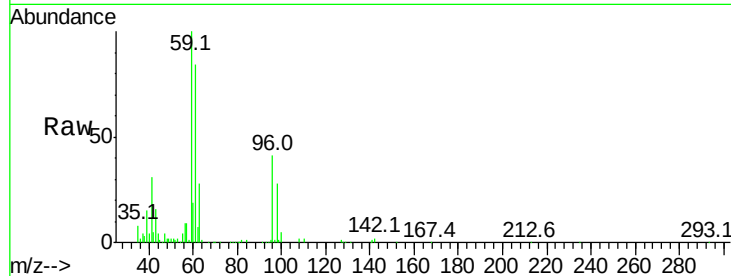


#17

tert-Butyl alcohol
 Concen: 2.253 ppbv
 RT: 4.30 min Scan# 472
 Delta R.T. 0.01 min
 Lab File: VL037165.D
 Acq: 16 Jun 2021 10:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

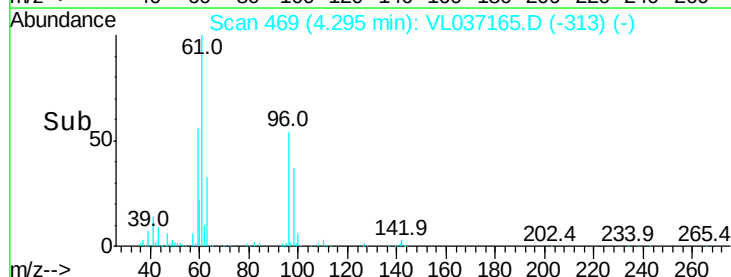
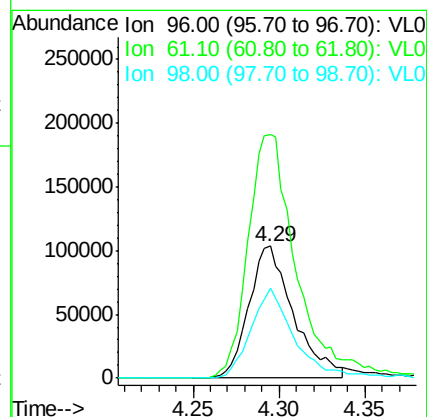
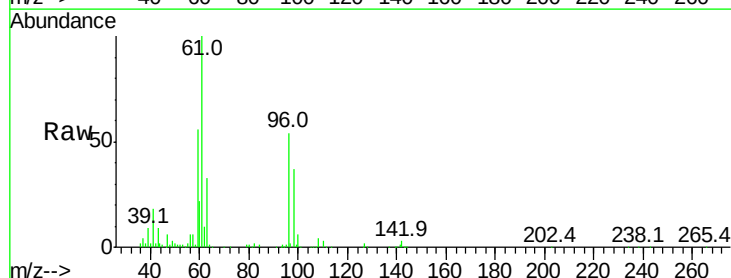
Tgt Ion: 59 Resp: 366702
 Ion Ratio Lower Upper
 59 100
 57 11.8 8.8 13.2

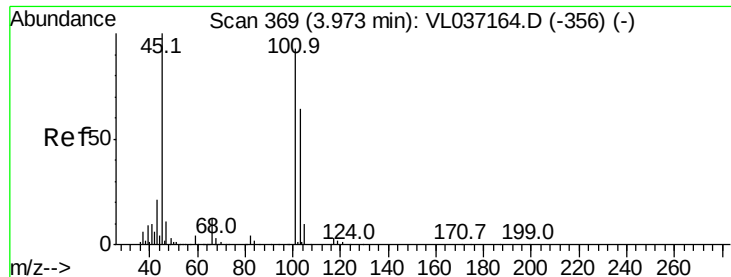


#18

1,1-Dichloroethene
 Concen: 2.112 ppbv
 RT: 4.29 min Scan# 469
 Delta R.T. 0.00 min
 Lab File: VL037165.D
 Acq: 16 Jun 2021 10:04

Tgt Ion: 96 Resp: 185693
 Ion Ratio Lower Upper
 96 100
 61 184.9 148.6 222.8
 98 68.1 51.9 77.9





#19

Isopropyl Alcohol

Concen: 2.003 ppbv

RT: 3.98 min Scan# 371

Delta R.T. 0.01 min

Lab File: VL037165.D

Acq: 16 Jun 2021 10:04

Instrument :

MSVOA_L

ClientSampleId :

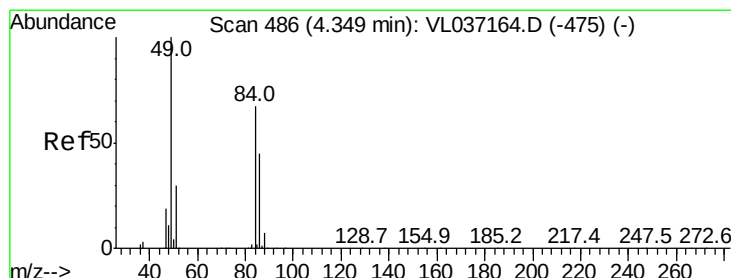
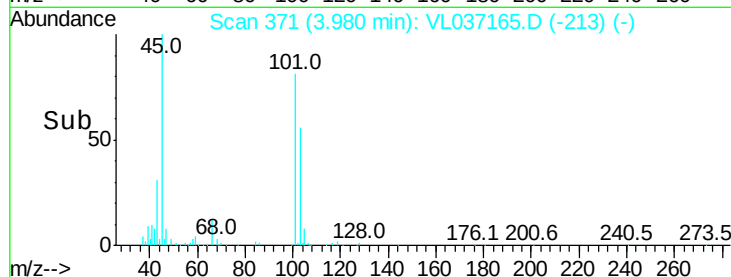
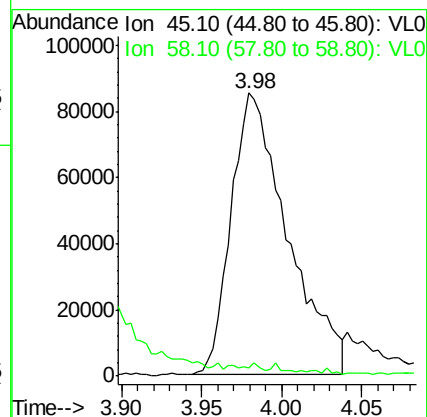
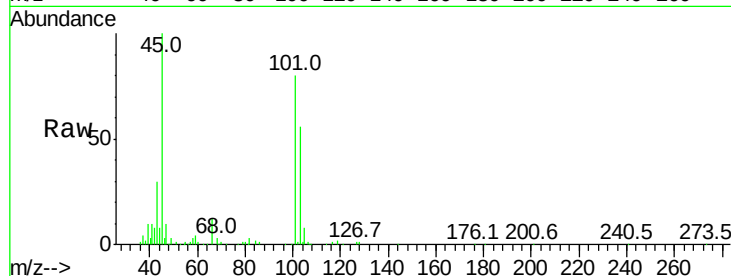
VSTDIC002

Tgt Ion: 45 Resp: 206728

Ion Ratio Lower Upper

45 100

58 4.6 2.4 3.6#



#20

Methylene Chloride

Concen: 3.324 ppbv

RT: 4.35 min Scan# 485

Delta R.T. -0.00 min

Lab File: VL037165.D

Acq: 16 Jun 2021 10:04

Tgt Ion: 84 Resp: 272516

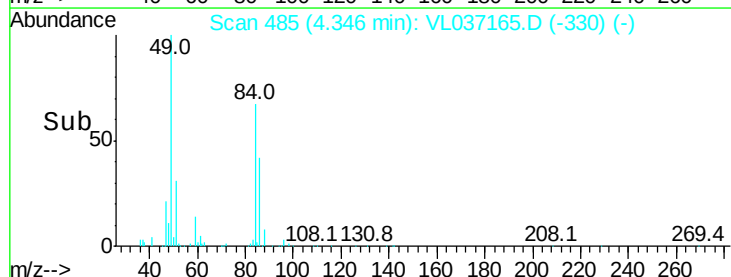
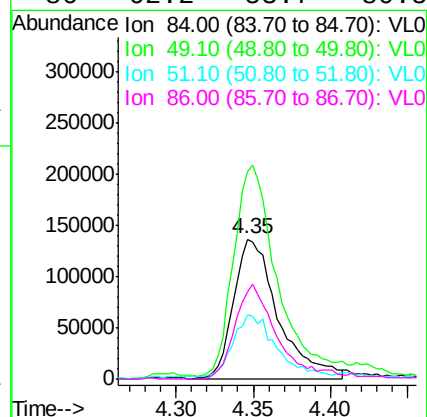
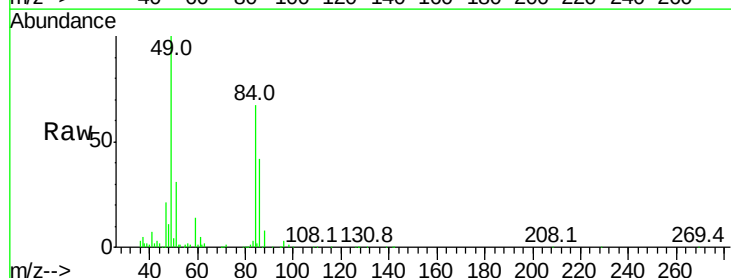
Ion Ratio Lower Upper

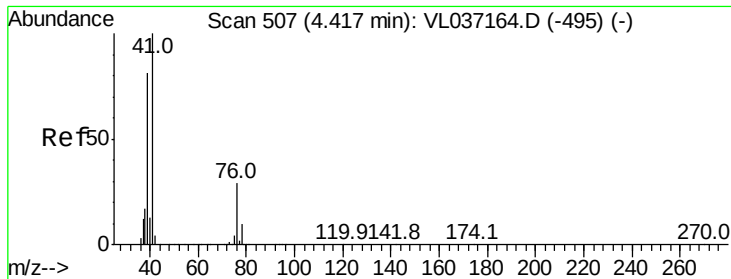
84 100

49 146.6 119.7 179.5

51 44.4 36.1 54.1

86 62.2 53.7 80.5

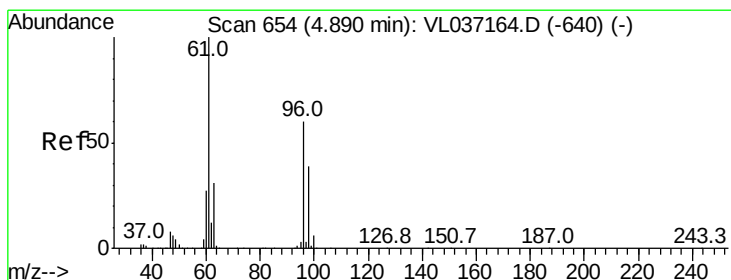
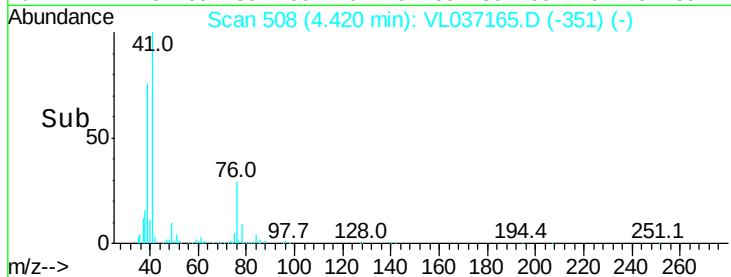
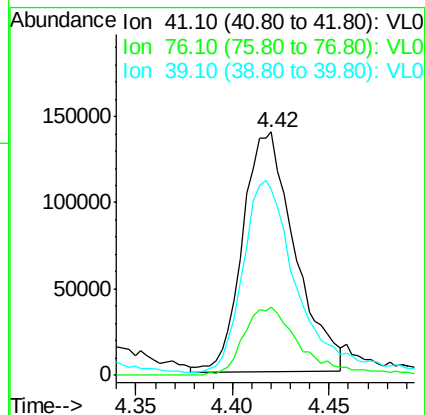
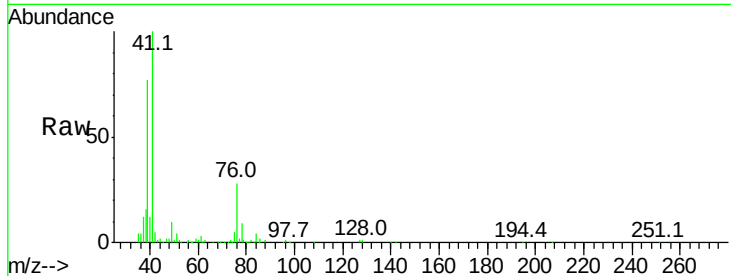




#21
 Allyl Chloride
 Concen: 2.078 ppbv
 RT: 4.42 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VL037165.D
 Acq: 16 Jun 2021 10:04

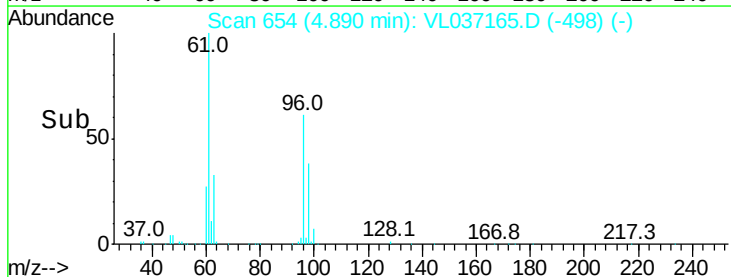
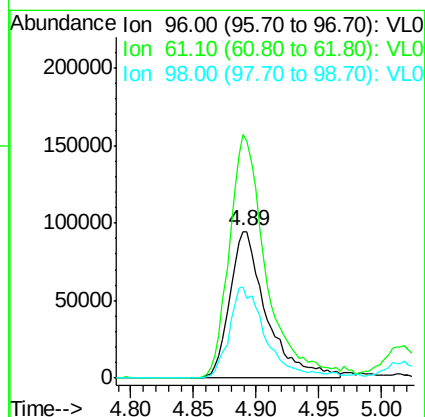
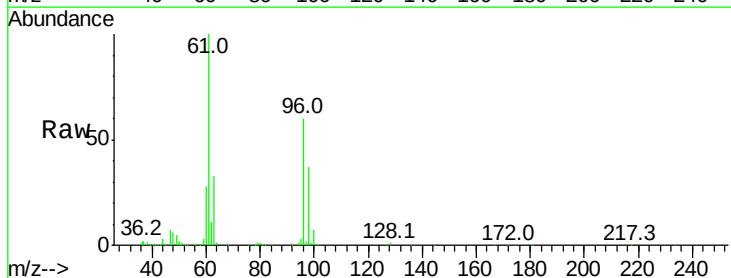
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

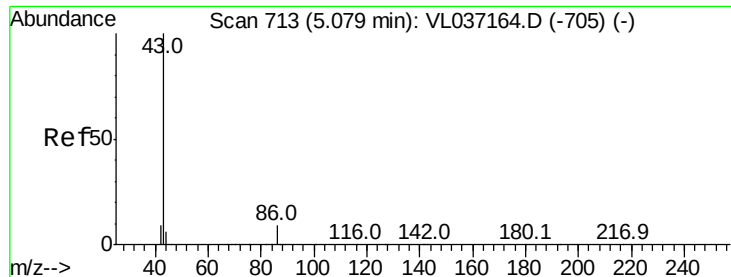
Tgt Ion: 41 Resp: 261113
 Ion Ratio Lower Upper
 41 100
 76 31.5 24.6 37.0
 39 86.1 65.4 98.0



#22
 trans-1,2-Dichloroethene
 Concen: 2.250 ppbv
 RT: 4.89 min Scan# 654
 Delta R.T. 0.00 min
 Lab File: VL037165.D
 Acq: 16 Jun 2021 10:04

Tgt Ion: 96 Resp: 192686
 Ion Ratio Lower Upper
 96 100
 61 165.8 133.9 200.9
 98 61.8 52.9 79.3





#23

Vinyl Acetate

Concen: 2.275 ppbv

RT: 5.08 min Scan# 713

Delta R.T. 0.00 min

Lab File: VL037165.D

Acq: 16 Jun 2021 10:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 43 Resp: 561873

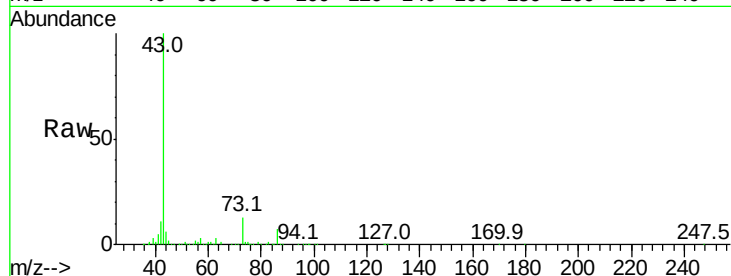
Ion Ratio Lower Upper

43 100

86 7.4 5.8 8.8

42 10.2 8.2 12.2

44 5.0 4.2 6.4

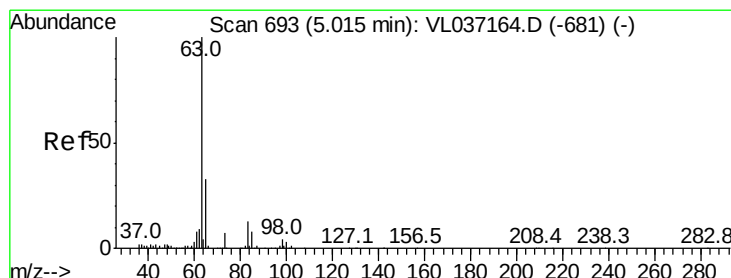
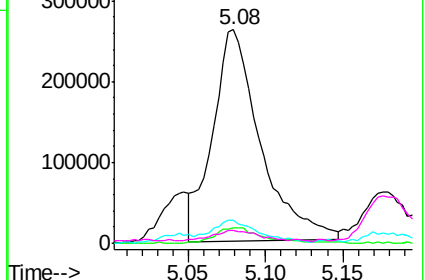
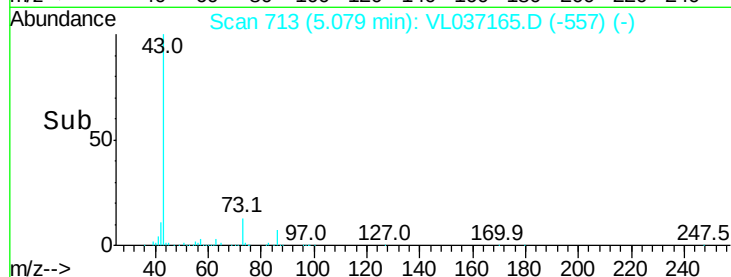


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 2.210 ppbv

RT: 5.02 min Scan# 693

Delta R.T. 0.00 min

Lab File: VL037165.D

Acq: 16 Jun 2021 10:04

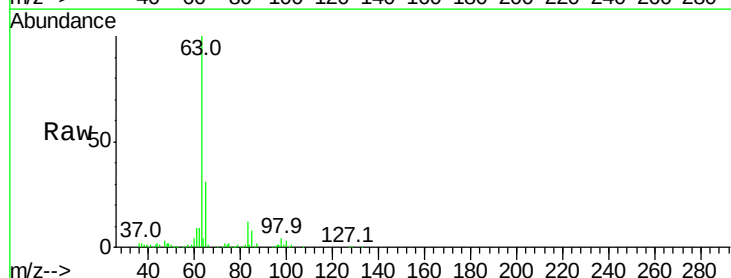
Tgt Ion: 63 Resp: 438064

Ion Ratio Lower Upper

63 100

98 4.0 2.1 6.5

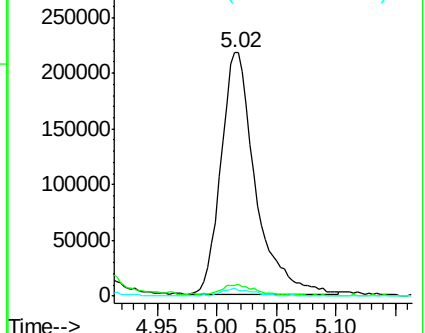
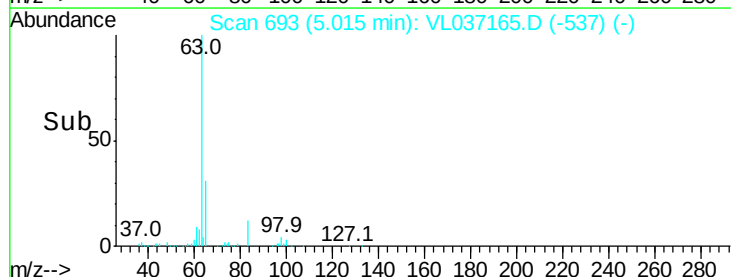
100 3.3 1.4 4.0

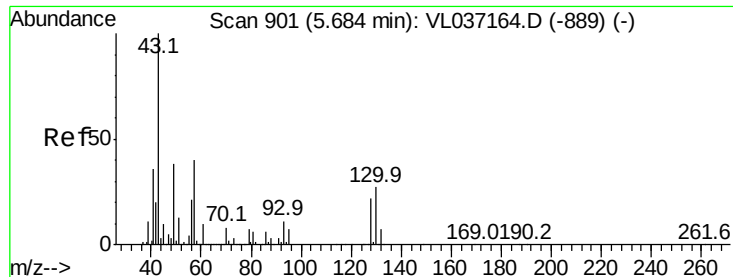


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 2.274 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.00 min

Lab File: VL037165.D

Acq: 16 Jun 2021 10:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 43 Resp: 838234

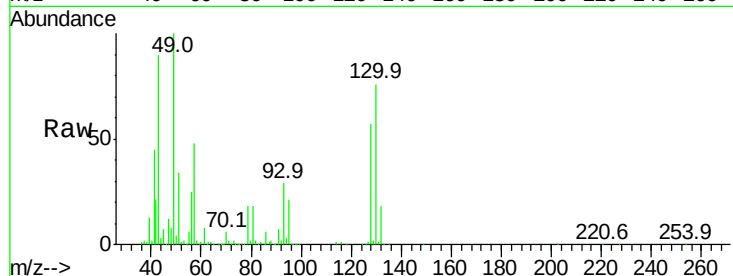
Ion Ratio Lower Upper

43 100

45 9.4 8.0 12.0

61 8.8 8.1 12.1

70 6.6 5.5 8.3

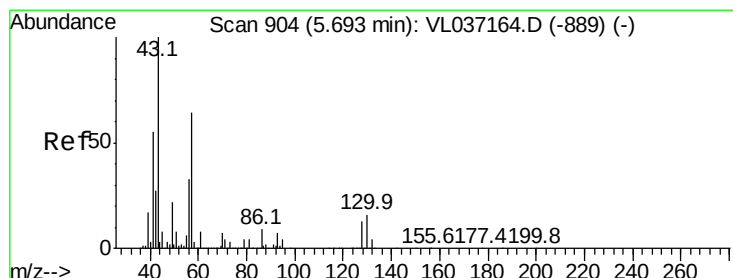
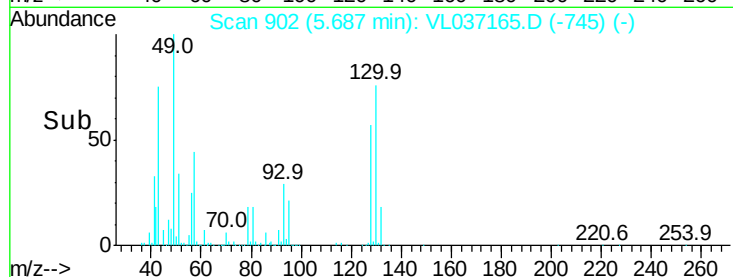
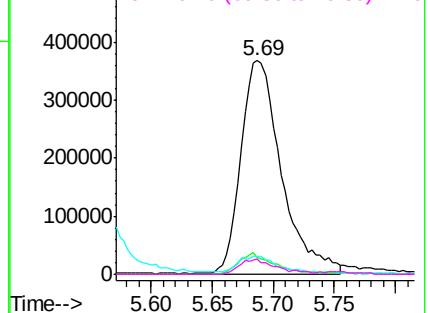


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 2.297 ppbv

RT: 5.69 min Scan# 904

Delta R.T. 0.00 min

Lab File: VL037165.D

Acq: 16 Jun 2021 10:04

Tgt Ion: 57 Resp: 420968

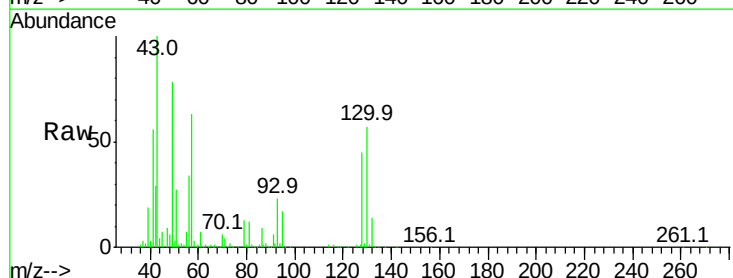
Ion Ratio Lower Upper

57 100

41 98.8 73.5 110.3

43 206.9 170.7 256.1

56 56.6 42.4 63.6

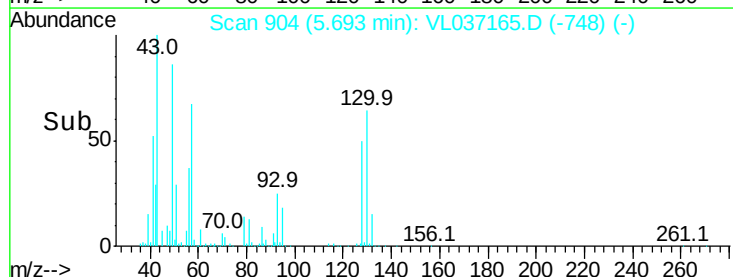
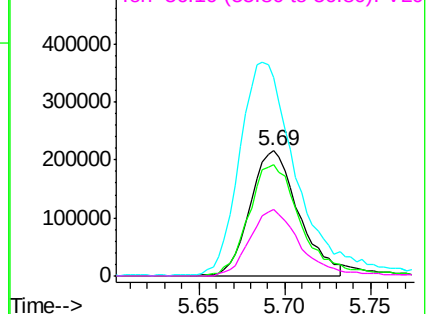


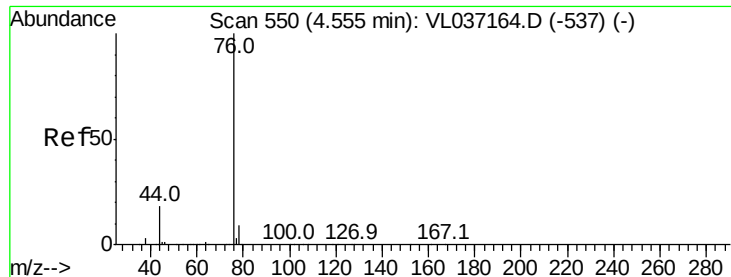
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 2.174 ppbv

RT: 4.56 min Scan# 551

Delta R.T. 0.00 min

Lab File: VL037165.D

Acq: 16 Jun 2021 10:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

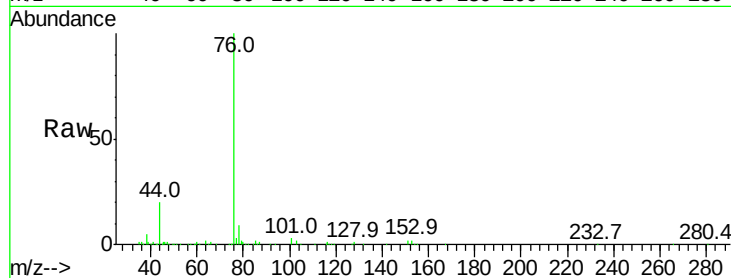
Tgt Ion: 76 Resp: 404107

Ion Ratio Lower Upper

76 100

44 22.1 15.4 23.2

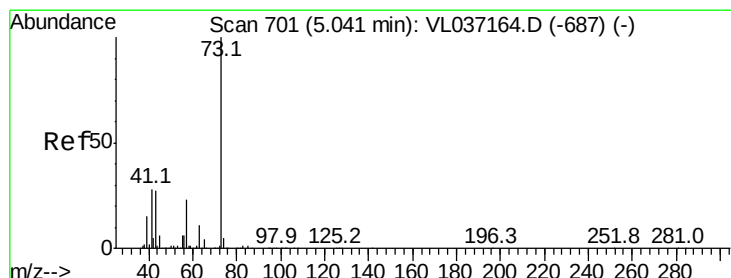
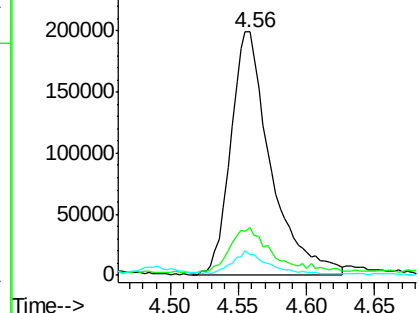
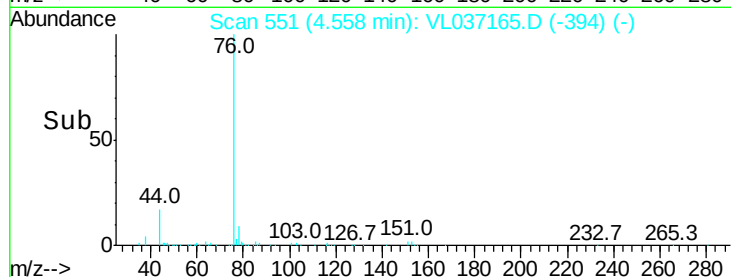
78 10.3 8.0 12.0



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: 2.134 ppbv

RT: 5.04 min Scan# 702

Delta R.T. 0.00 min

Lab File: VL037165.D

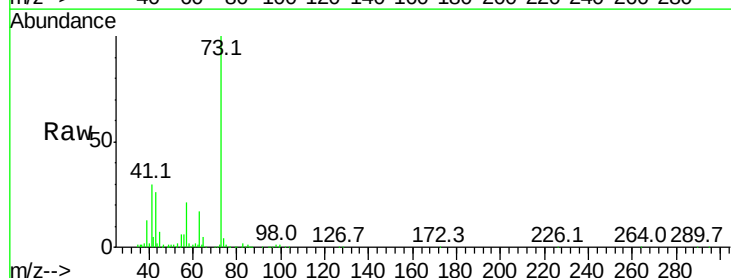
Acq: 16 Jun 2021 10:04

Tgt Ion: 73 Resp: 489928

Ion Ratio Lower Upper

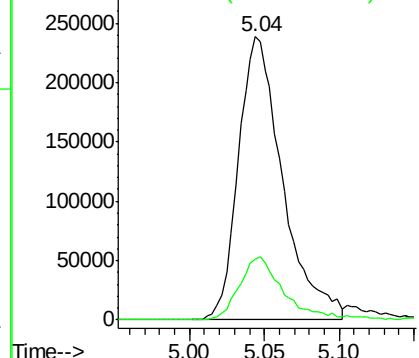
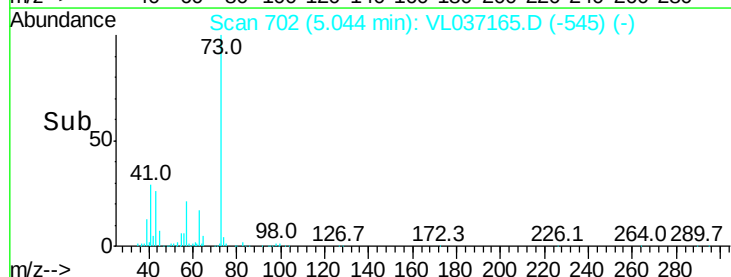
73 100

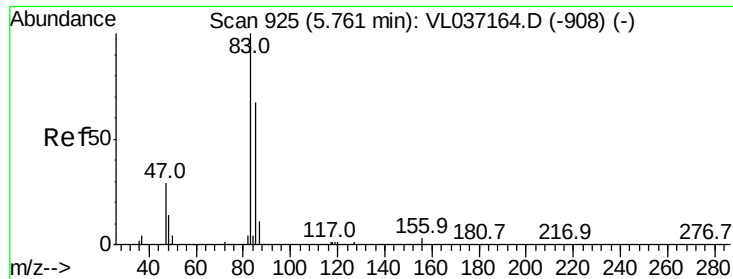
57 22.7 18.0 27.0



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

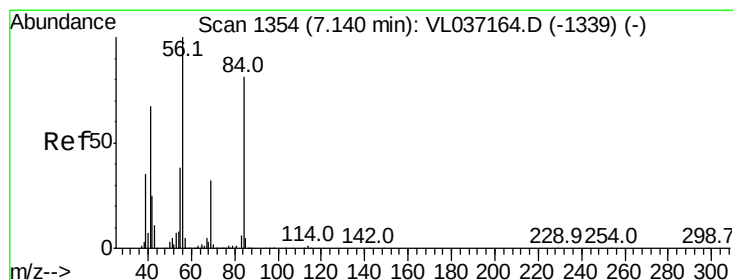
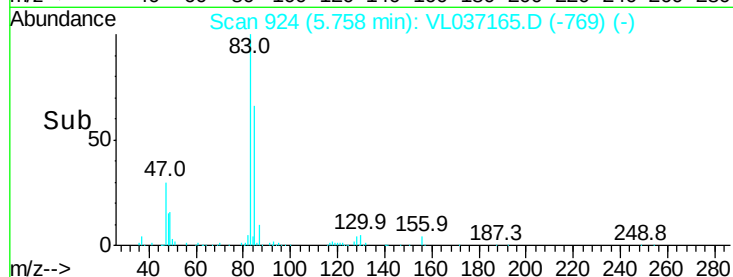
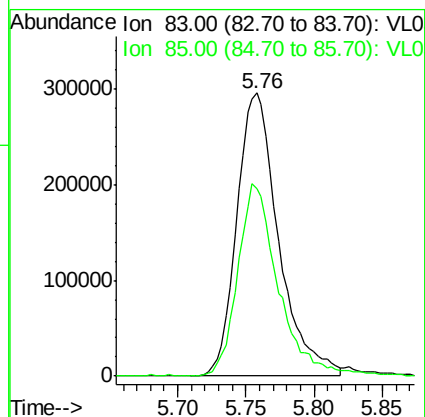
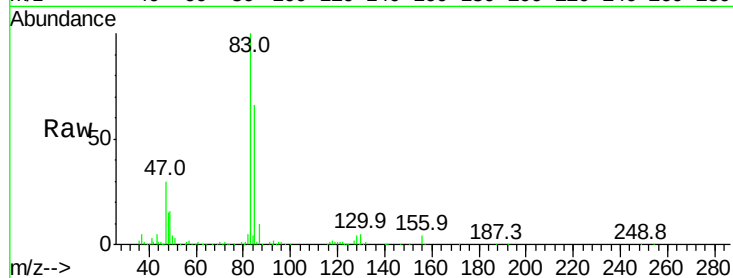




#29
Chloroform
Concen: 2.127 ppbv
RT: 5.76 min Scan# 924
Delta R.T. -0.00 min
Lab File: VL037165.D
Acq: 16 Jun 2021 10:04

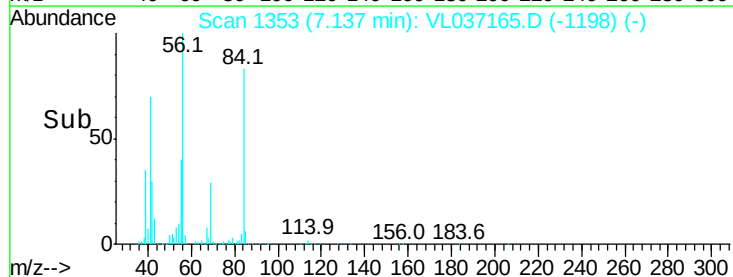
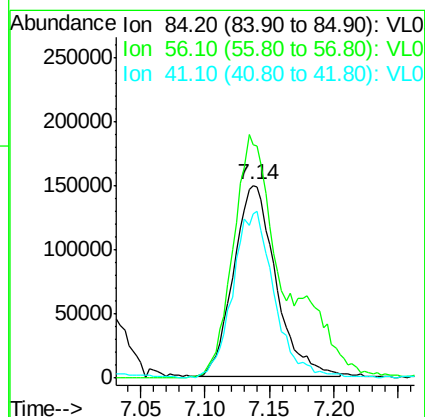
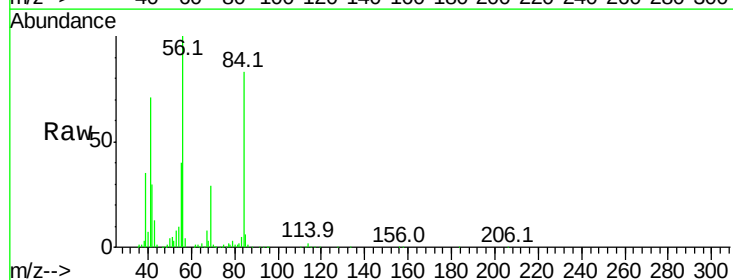
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

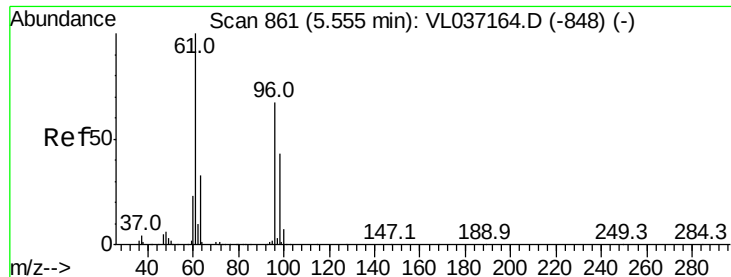
Tgt Ion: 83 Resp: 629477
Ion Ratio Lower Upper
83 100
85 65.8 53.6 80.4



#30
Cyclohexane
Concen: 2.140 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. -0.00 min
Lab File: VL037165.D
Acq: 16 Jun 2021 10:04

Tgt Ion: 84 Resp: 342026
Ion Ratio Lower Upper
84 100
56 155.8 107.7 161.5
41 84.6 69.0 103.6





#31

cis-1,2-Dichloroethene

Concen: 2.082 ppbv

RT: 5.55 min Scan# 860

Delta R.T. -0.00 min

Lab File: VL037165.D

Acq: 16 Jun 2021 10:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

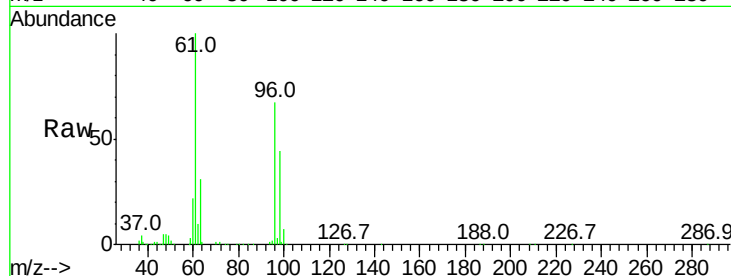
Tgt Ion: 61 Resp: 367755

Ion Ratio Lower Upper

61 100

96 67.0 53.6 80.4

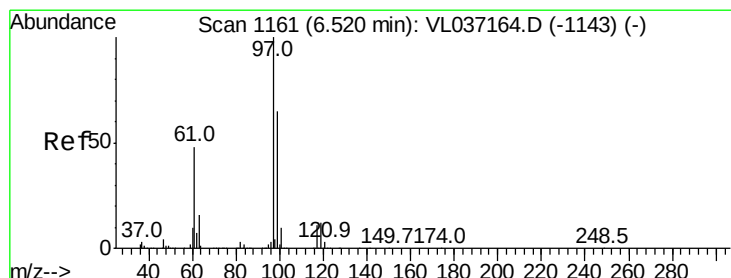
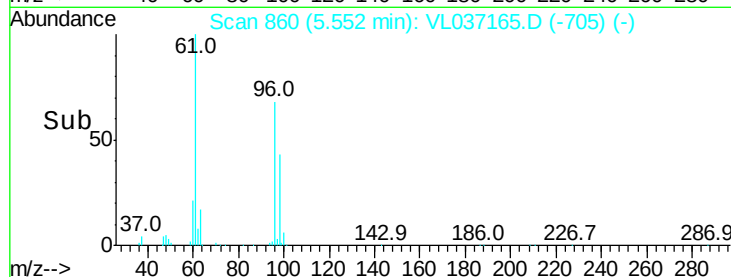
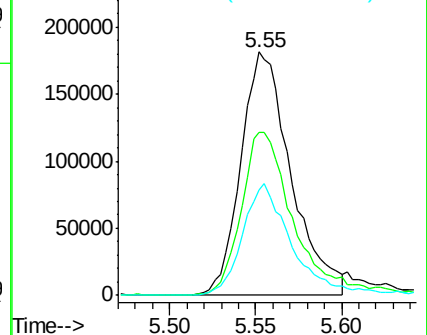
98 43.4 34.7 52.1



Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 2.392 ppbv

RT: 6.52 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VL037165.D

Acq: 16 Jun 2021 10:04

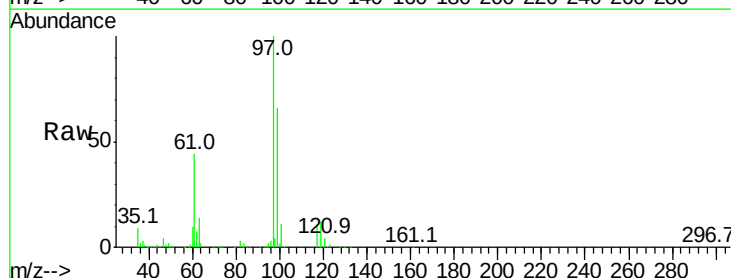
Tgt Ion: 97 Resp: 649989

Ion Ratio Lower Upper

97 100

99 65.2 52.2 78.4

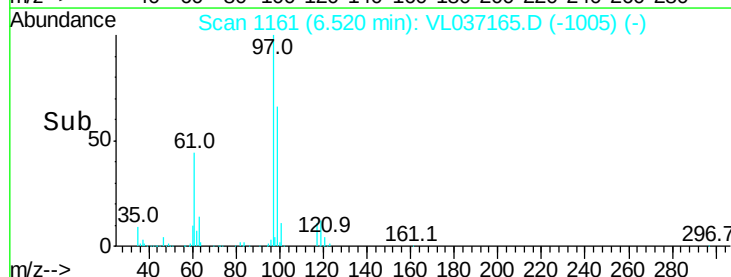
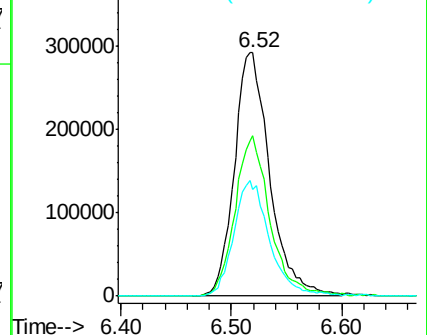
61 48.6 38.8 58.2

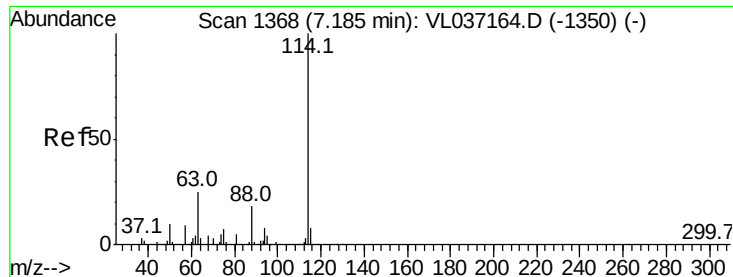


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. -0.00 min

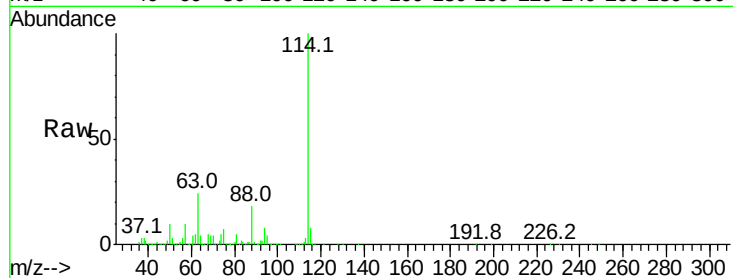
Lab File: VL037165.D

Acq: 16 Jun 2021 10:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 114 Resp: 4642565

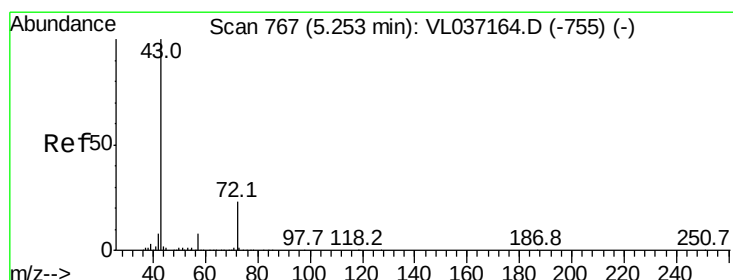
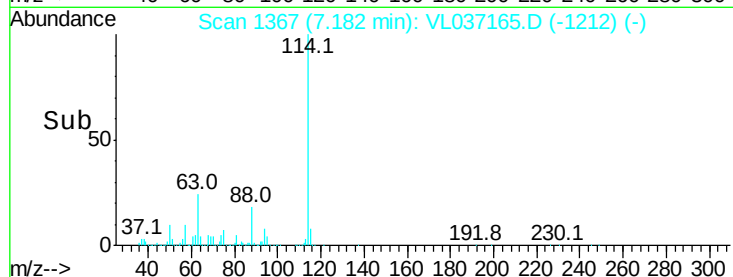
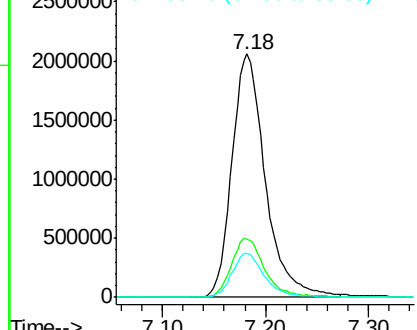
Ion	Ratio	Lower	Upper
114	100		
63	24.6	19.6	29.4
88	17.9	14.2	21.2



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: 1.957 ppbv

RT: 5.25 min Scan# 767

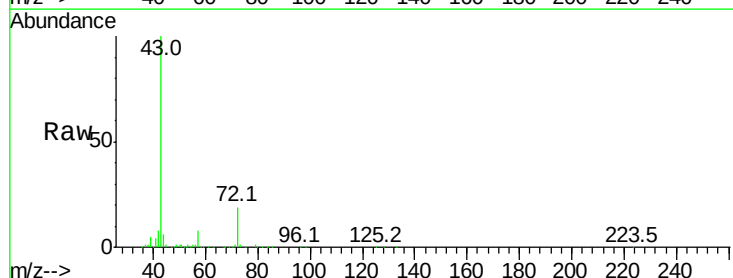
Delta R.T. 0.00 min

Lab File: VL037165.D

Acq: 16 Jun 2021 10:04

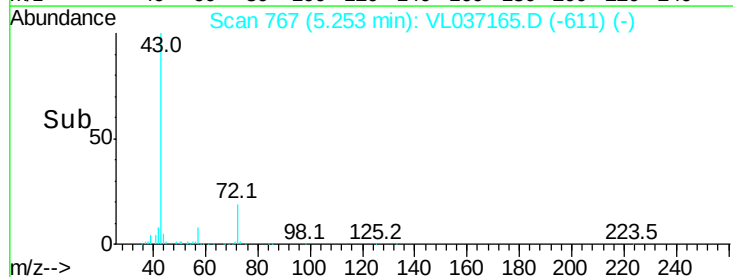
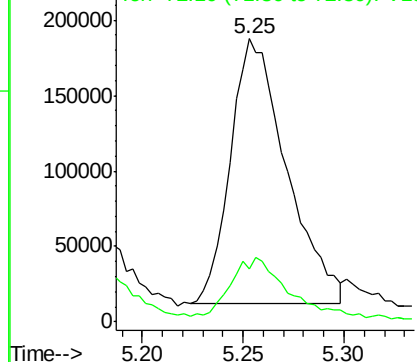
Tgt Ion: 43 Resp: 341190

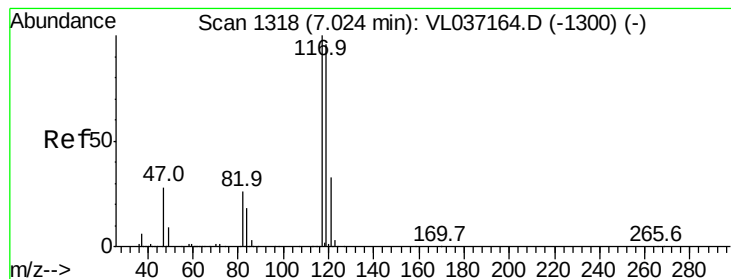
Ion	Ratio	Lower	Upper
43	100		
72	29.5	18.9	28.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 2.362 ppbv

RT: 7.03 min Scan# 1319

Delta R.T. 0.00 min

Lab File: VL037165.D

Acq: 16 Jun 2021 10:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

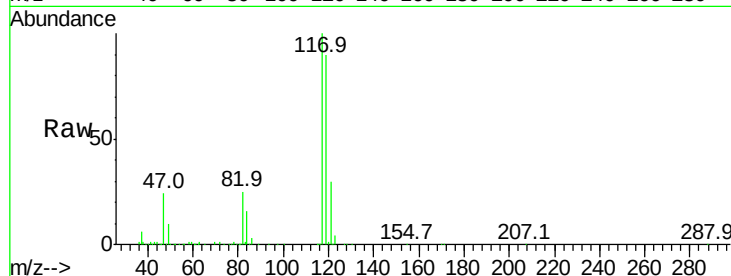
Tgt Ion:117 Resp: 673975

Ion Ratio Lower Upper

117 100

119 90.0 76.6 114.8

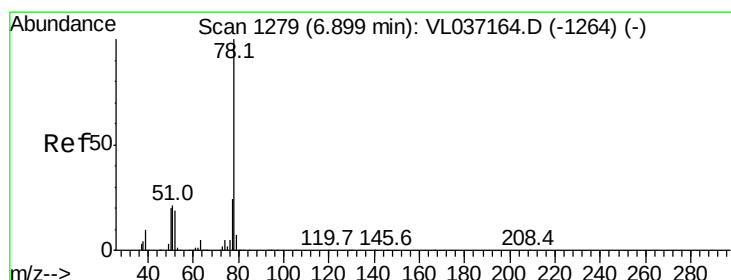
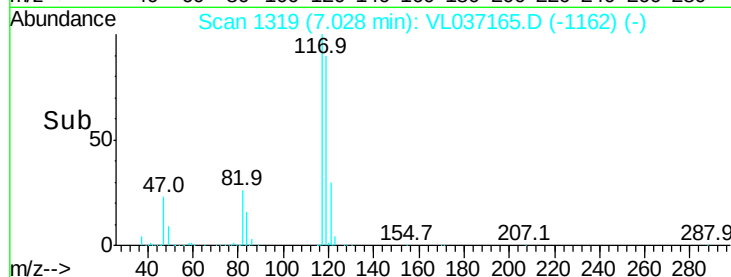
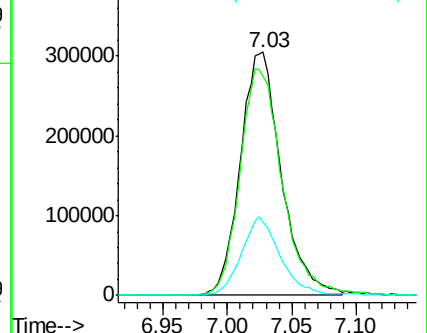
121 30.1 26.4 39.6



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: 2.166 ppbv

RT: 6.90 min Scan# 1278

Delta R.T. -0.00 min

Lab File: VL037165.D

Acq: 16 Jun 2021 10:04

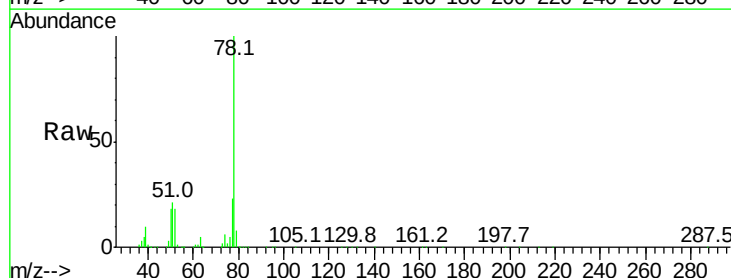
Tgt Ion: 78 Resp: 797796

Ion Ratio Lower Upper

78 100

77 23.3 19.0 28.6

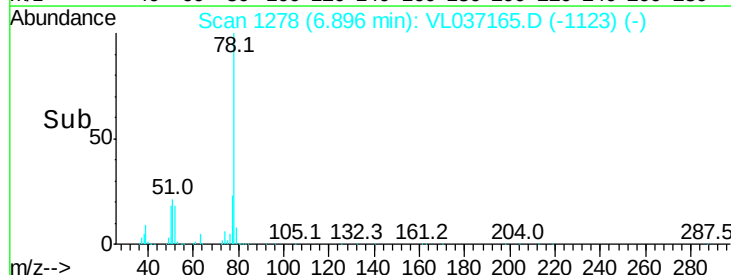
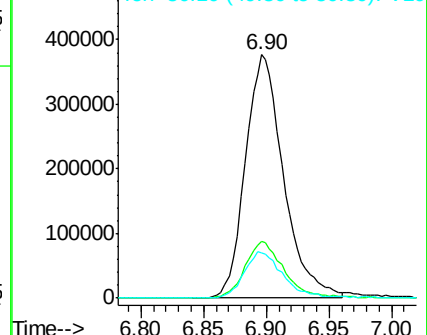
50 18.3 15.7 23.5

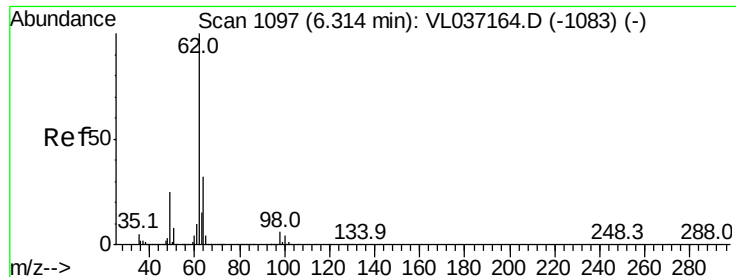


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

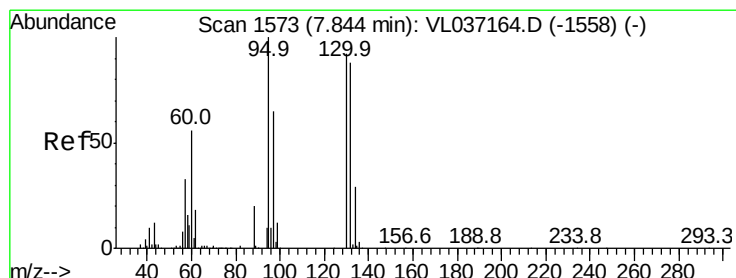
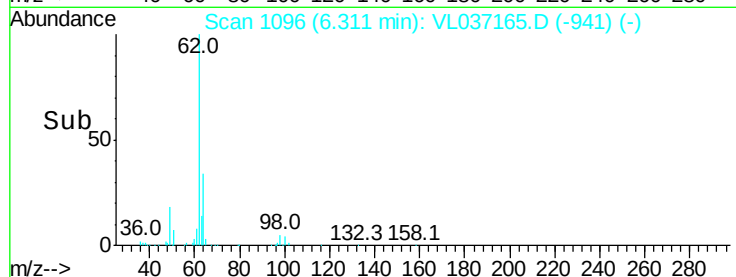
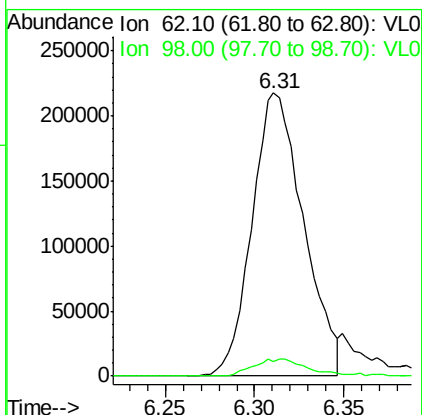
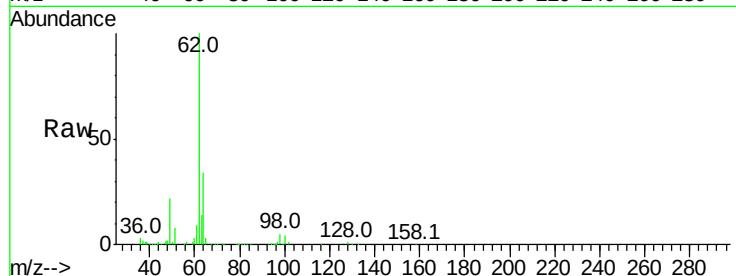




#37
 1,2-Dichloroethane
 Concen: 2.054 ppbv
 RT: 6.31 min Scan# 1096
 Delta R.T. -0.00 min
 Lab File: VL037165.D
 Acq: 16 Jun 2021 10:04

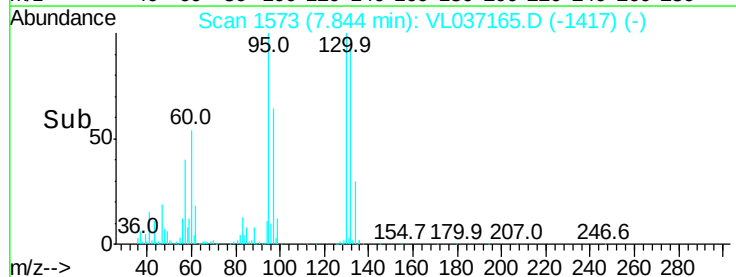
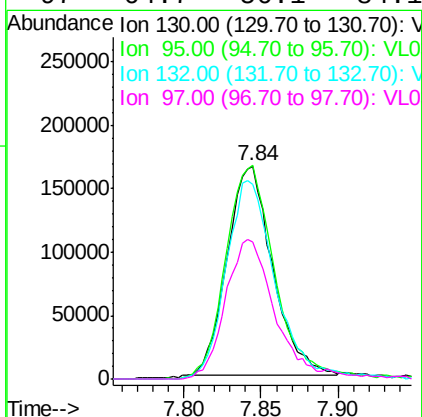
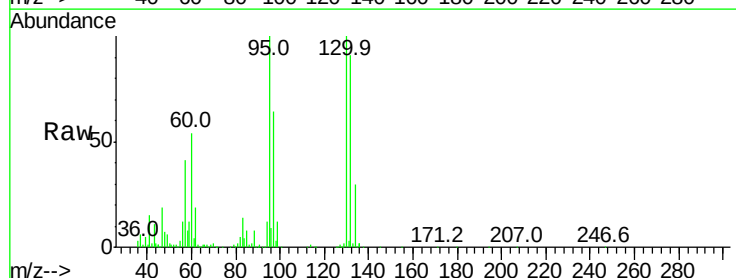
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

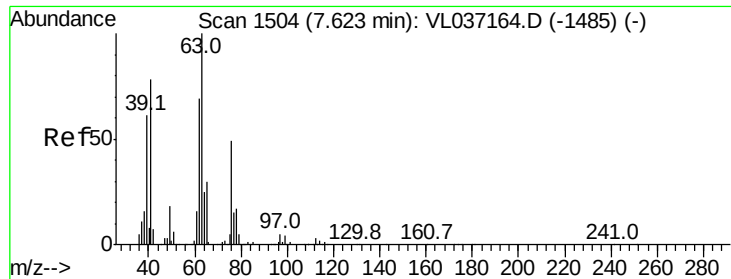
Tgt Ion: 62 Resp: 439384
 Ion Ratio Lower Upper
 62 100
 98 6.4 5.0 7.6



#38
 Trichloroethene
 Concen: 2.127 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VL037165.D
 Acq: 16 Jun 2021 10:04

Tgt Ion: 130 Resp: 338661
 Ion Ratio Lower Upper
 130 100
 95 101.0 86.6 129.8
 132 92.3 76.6 114.8
 97 64.7 56.1 84.1





#39

1,2-Dichloropropane

Concen: 2.117 ppbv

RT: 7.62 min Scan# 1503

Delta R.T. -0.00 min

Lab File: VL037165.D

Acq: 16 Jun 2021 10:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

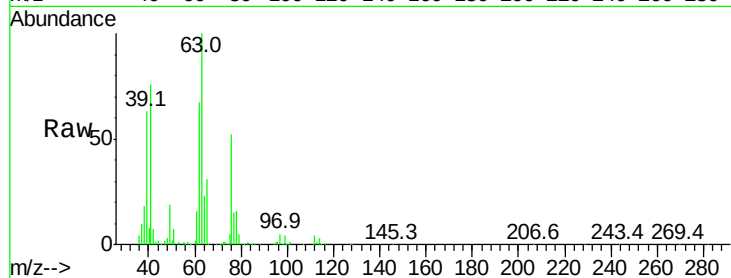
Tgt Ion: 63 Resp: 297822

Ion Ratio Lower Upper

63 100

41 73.0 62.0 93.0

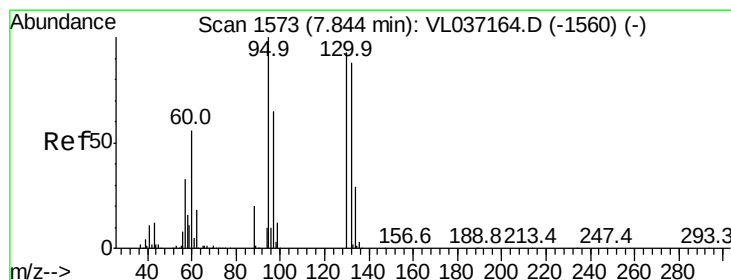
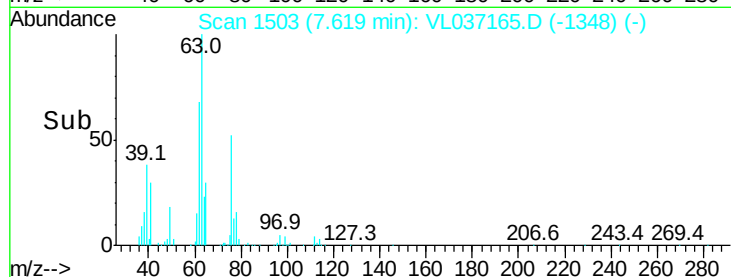
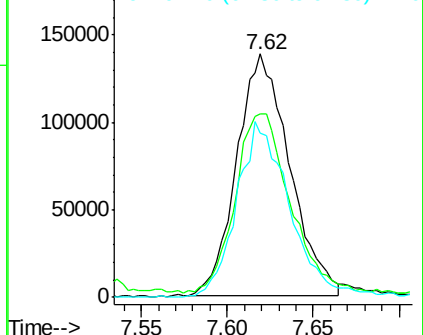
62 66.9 54.9 82.3



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 1.998 ppbv

RT: 7.86 min Scan# 1578

Delta R.T. 0.02 min

Lab File: VL037165.D

Acq: 16 Jun 2021 10:04

Tgt Ion: 88 Resp: 78705

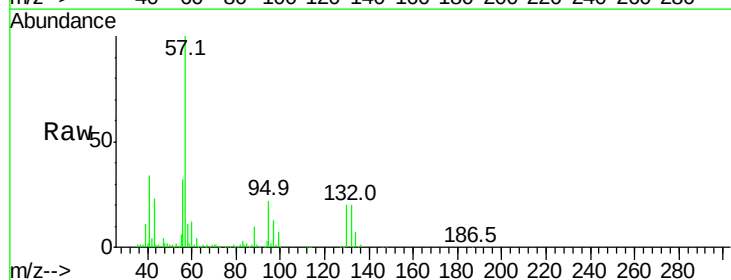
Ion Ratio Lower Upper

88 100

58 160.9 118.4 177.6

43 390.9 284.0 426.0

57 1793.0 1231.8 1847.6

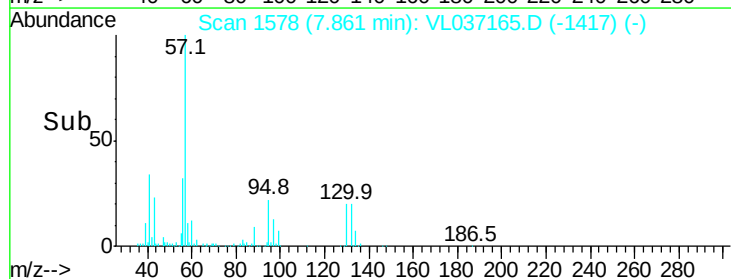
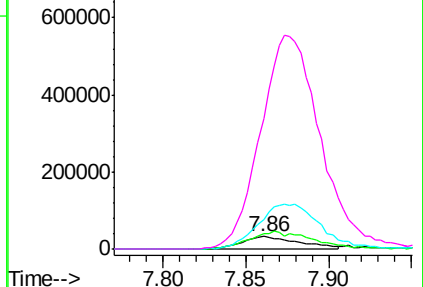


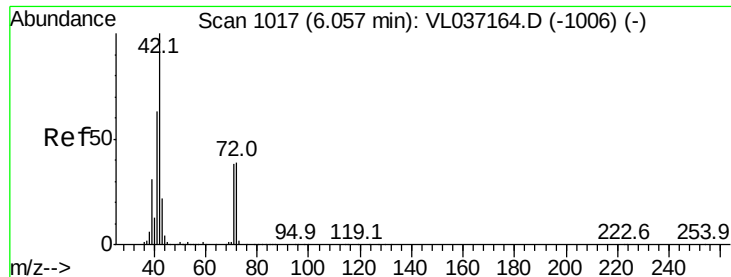
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

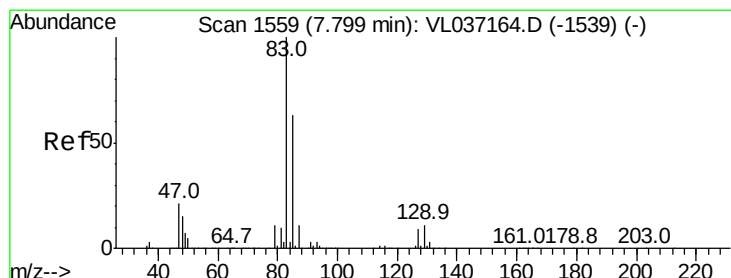
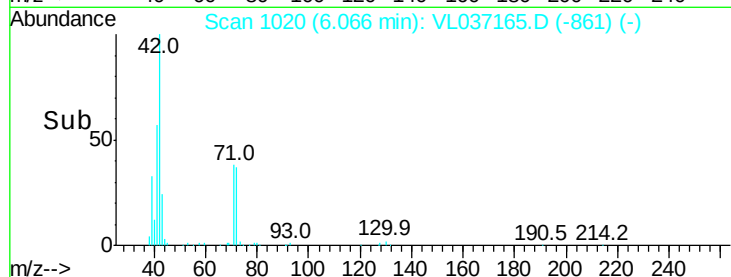
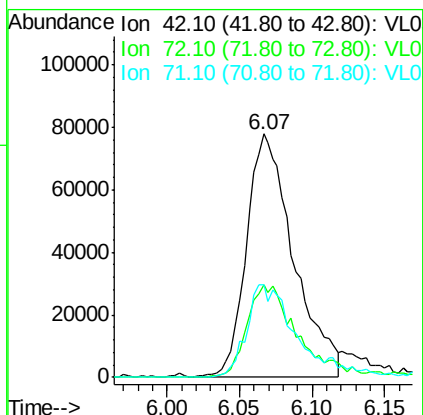
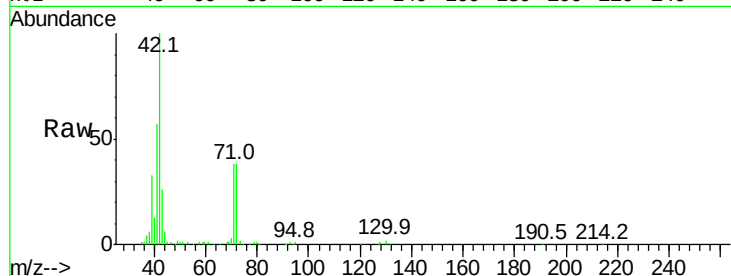




#41
Tetrahydrofuran
Concen: 2.075 ppbv
RT: 6.07 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VL037165.D
Acq: 16 Jun 2021 10:04

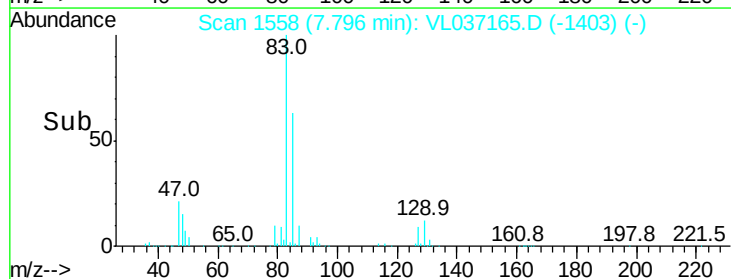
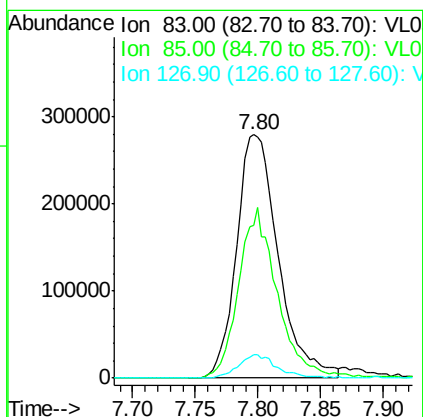
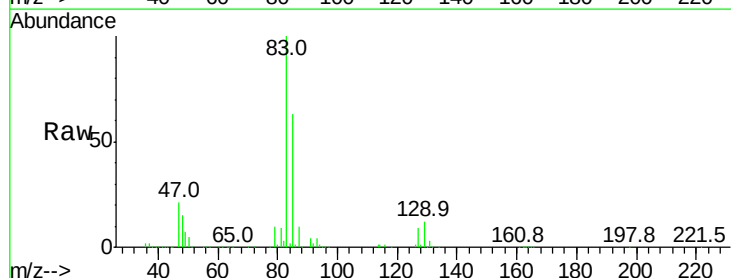
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

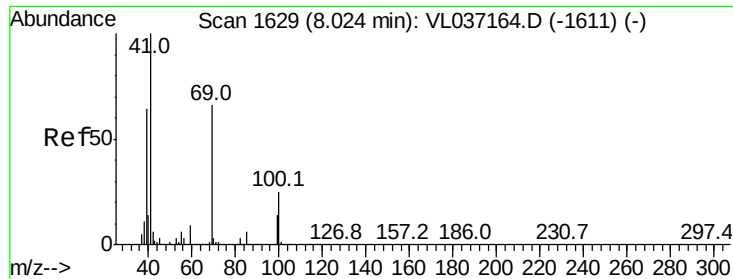
Tgt Ion: 42 Resp: 176113
Ion Ratio Lower Upper
42 100
72 43.0 33.0 49.4
71 42.4 31.0 46.6



#42
Bromodichloromethane
Concen: 2.192 ppbv
RT: 7.80 min Scan# 1558
Delta R.T. -0.00 min
Lab File: VL037165.D
Acq: 16 Jun 2021 10:04

Tgt Ion: 83 Resp: 646144
Ion Ratio Lower Upper
83 100
85 62.7 50.8 76.2
127 9.4 7.0 10.6





#43

Methyl Methacrylate

Concen: 2.189 ppbv

RT: 8.02 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VL037165.D

Acq: 16 Jun 2021 10:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

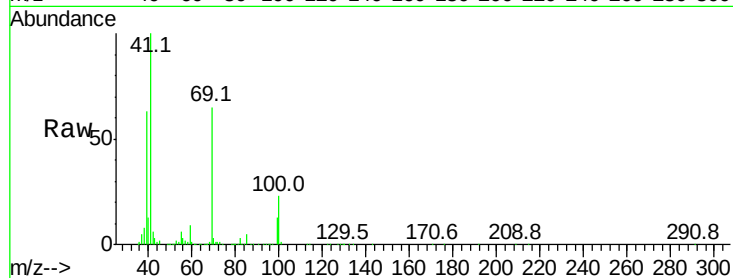
Tgt Ion: 69 Resp: 276657

Ion Ratio Lower Upper

69 100

41 153.4 119.4 179.0

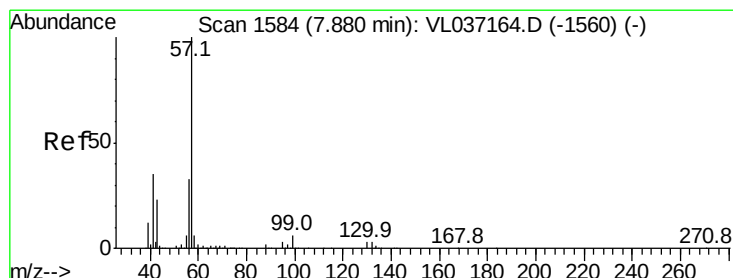
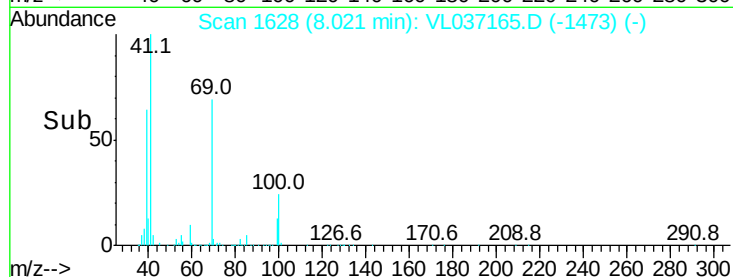
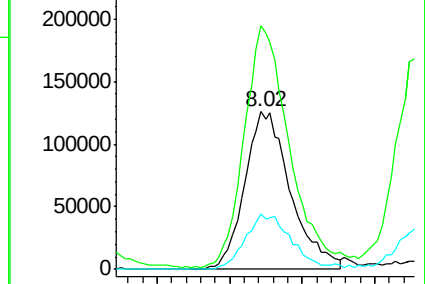
100 35.2 28.6 43.0



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: 2.258 ppbv

RT: 7.87 min Scan# 1582

Delta R.T. -0.01 min

Lab File: VL037165.D

Acq: 16 Jun 2021 10:04

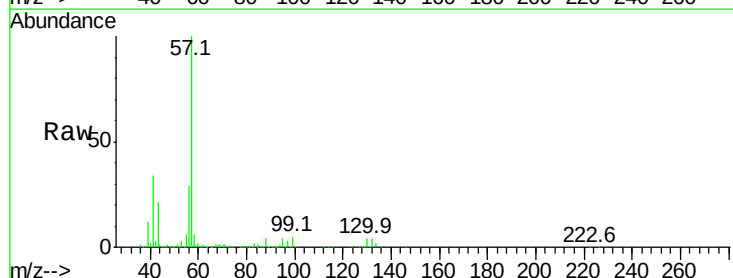
Tgt Ion: 57 Resp: 1392244

Ion Ratio Lower Upper

57 100

41 34.2 27.6 41.4

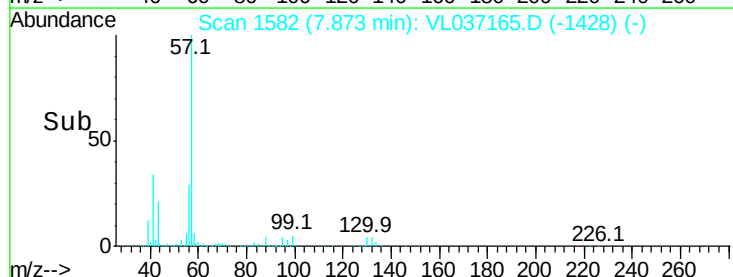
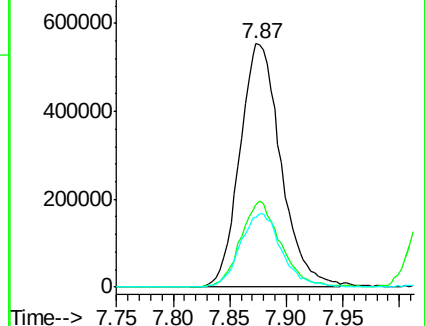
56 30.8 25.3 37.9

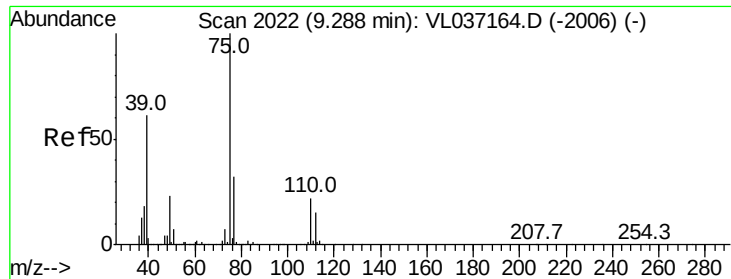


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

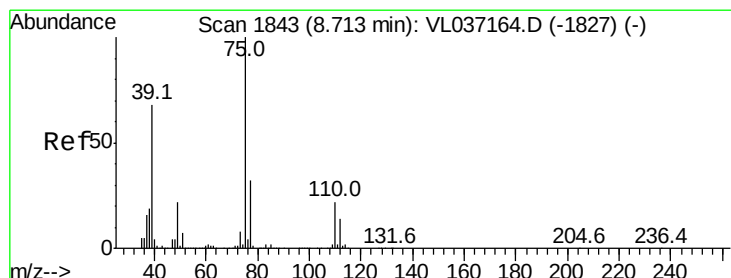
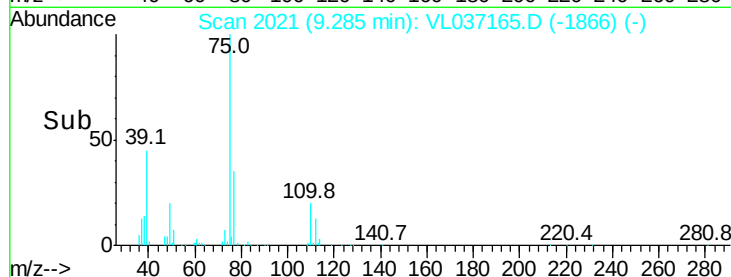
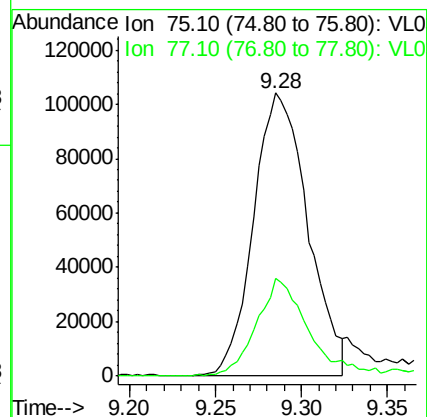
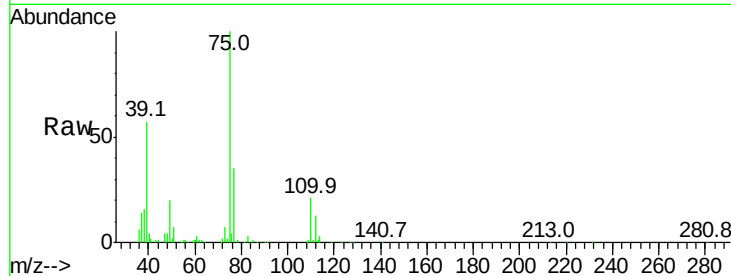




#45
 t-1,3-Dichloropropene
 Concen: 1.996 ppbv
 RT: 9.28 min Scan# 2021
 Delta R.T. -0.00 min
 Lab File: VL037165.D
 Acq: 16 Jun 2021 10:04

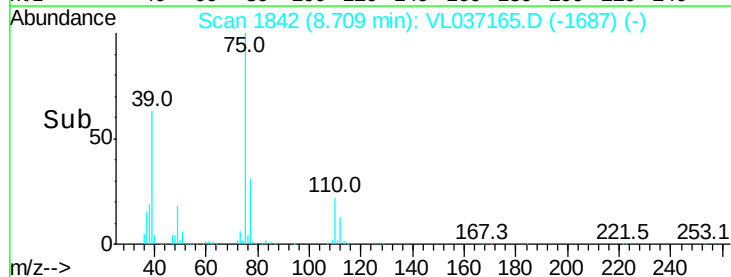
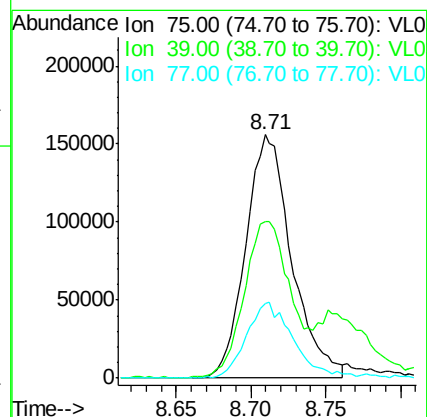
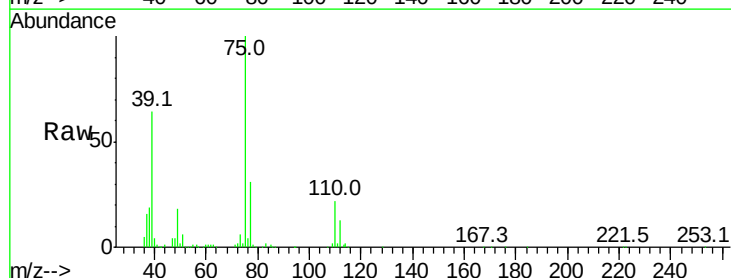
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

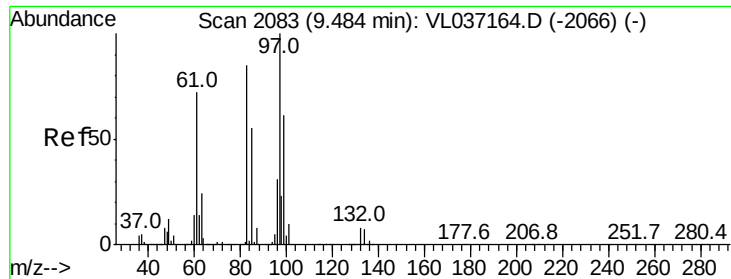
Tgt Ion: 75 Resp: 227346
 Ion Ratio Lower Upper
 75 100
 77 34.7 25.6 38.4



#46
 cis-1,3-Dichloropropene
 Concen: 2.193 ppbv
 RT: 8.71 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: VL037165.D
 Acq: 16 Jun 2021 10:04

Tgt Ion: 75 Resp: 333300
 Ion Ratio Lower Upper
 75 100
 39 63.5 54.7 82.1
 77 30.6 25.8 38.8

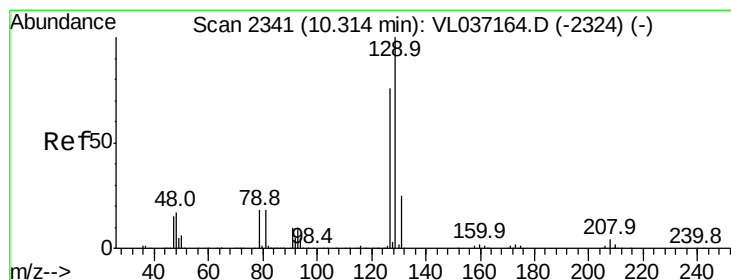
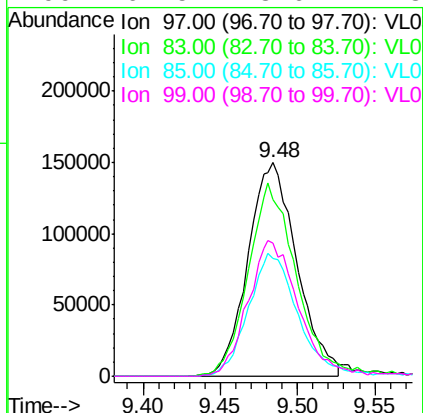
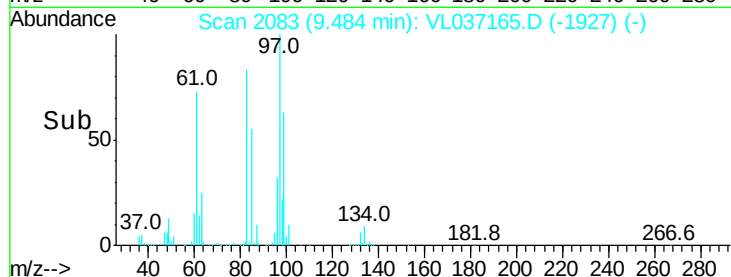
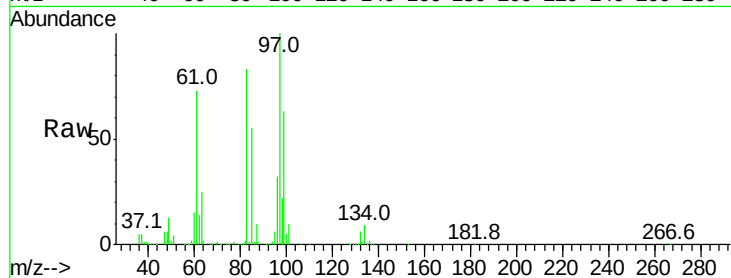




#47
 1,1,2-Trichloroethane
 Concen: 2.071 ppbv
 RT: 9.48 min Scan# 2083
 Delta R.T. 0.00 min
 Lab File: VL037165.D
 Acq: 16 Jun 2021 10:04

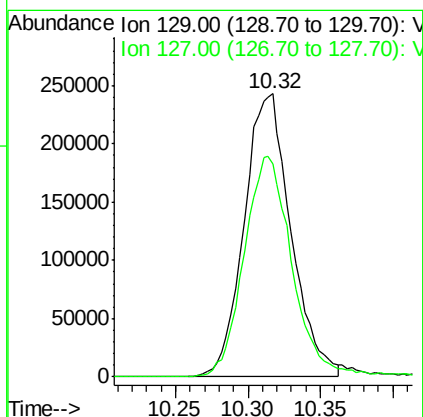
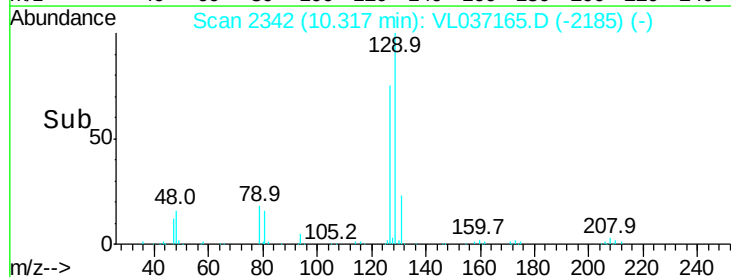
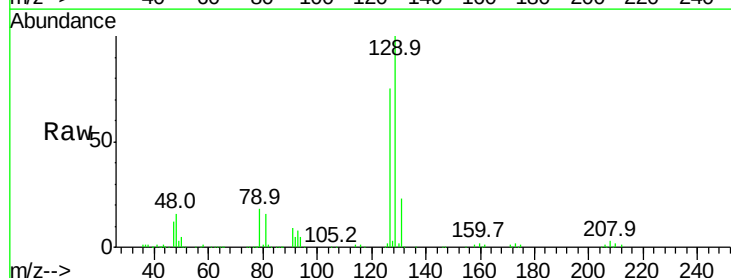
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

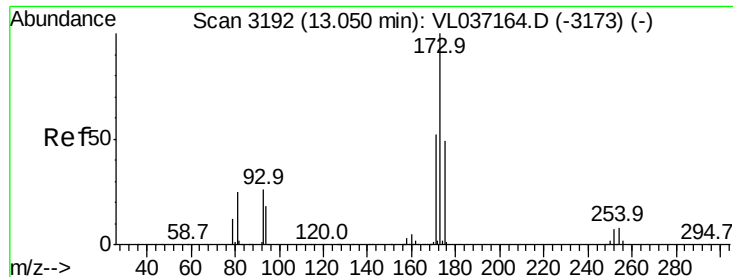
Tgt Ion: 97 Resp: 330404
 Ion Ratio Lower Upper
 97 100
 83 83.0 68.3 102.5
 85 55.1 44.1 66.1
 99 62.5 48.6 72.8



#48
 Dibromochloromethane
 Concen: 2.120 ppbv
 RT: 10.32 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VL037165.D
 Acq: 16 Jun 2021 10:04

Tgt Ion: 129 Resp: 545693
 Ion Ratio Lower Upper
 129 100
 127 81.4 39.1 117.2

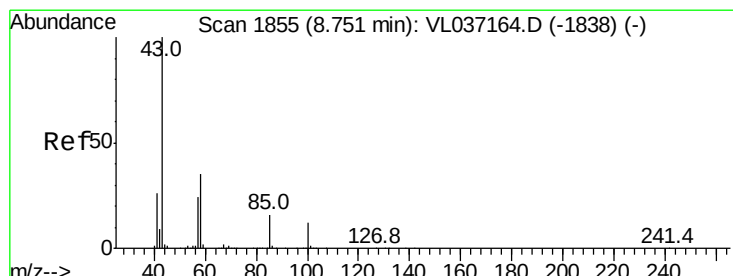
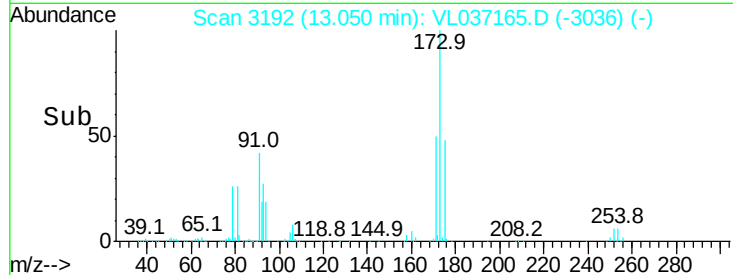
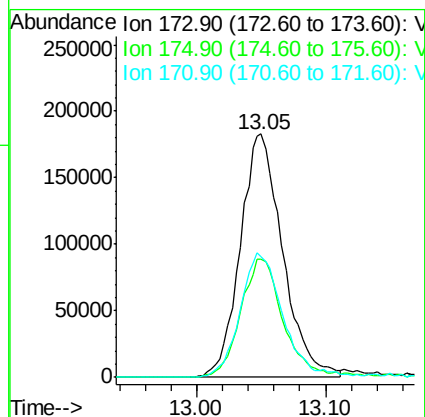
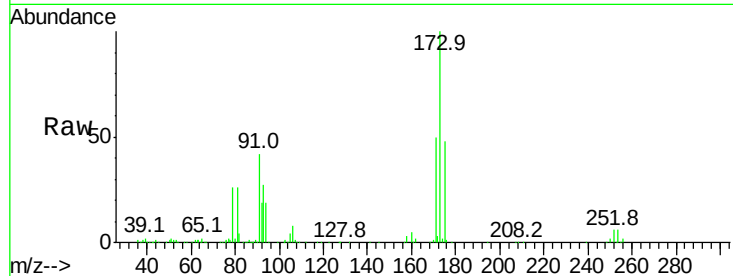




#49
 Bromoform
 Concen: 2.076 ppbv
 RT: 13.05 min Scan# 3192
 Delta R.T. 0.00 min
 Lab File: VL037165.D
 Acq: 16 Jun 2021 10:04

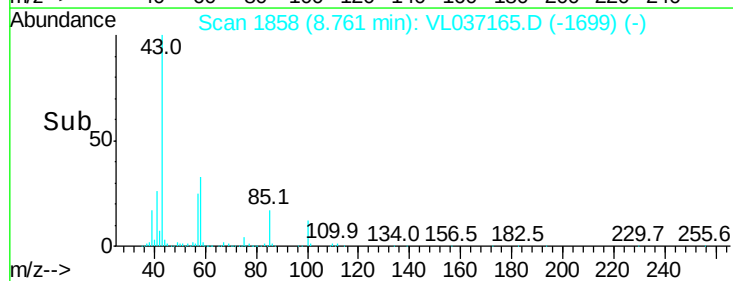
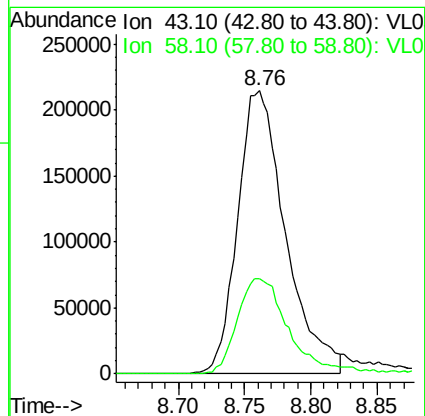
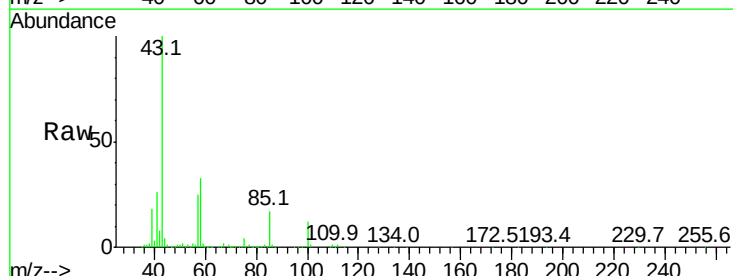
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

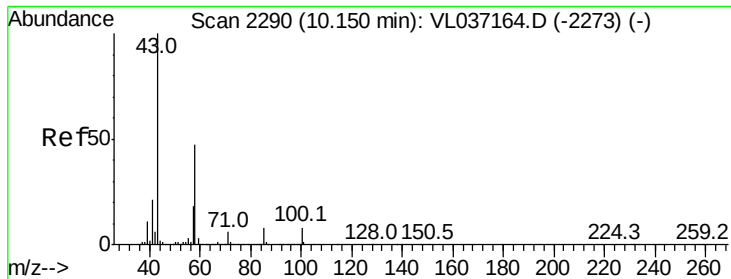
Tgt Ion:	173	Resp:	417351
Ion	Ratio	Lower	Upper
173	100		
175	50.3	40.2	60.4
171	52.6	41.8	62.8



#50
 4-Methyl-2-Pentanone
 Concen: 2.107 ppbv
 RT: 8.76 min Scan# 1858
 Delta R.T. 0.01 min
 Lab File: VL037165.D
 Acq: 16 Jun 2021 10:04

Tgt Ion:	43	Resp:	540451
Ion	Ratio	Lower	Upper
43	100		
58	36.9	28.4	42.6

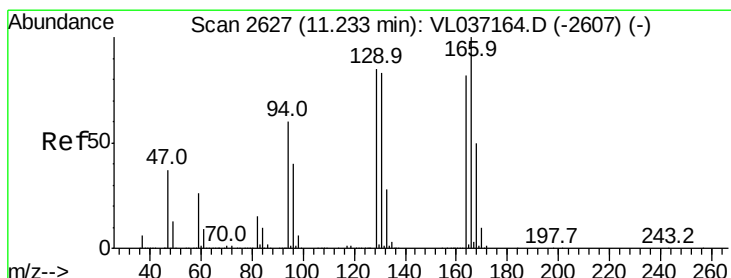
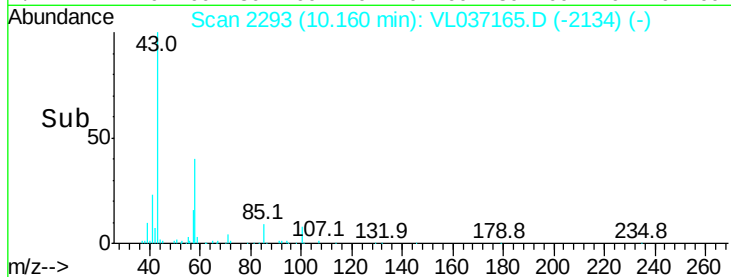
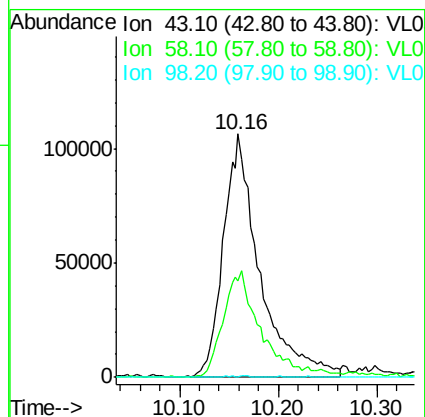
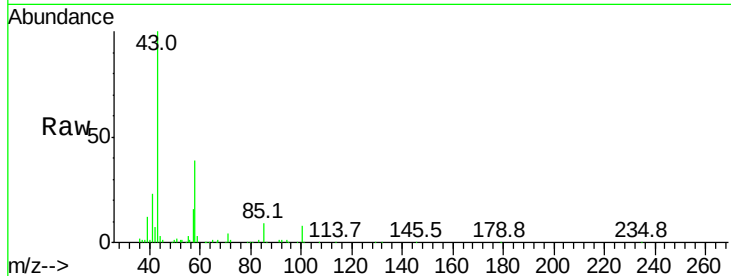




#51
2-Hexanone
Concen: 2.121 ppbv
RT: 10.16 min Scan# 2293
Delta R.T. 0.01 min
Lab File: VL037165.D
Acq: 16 Jun 2021 10:04

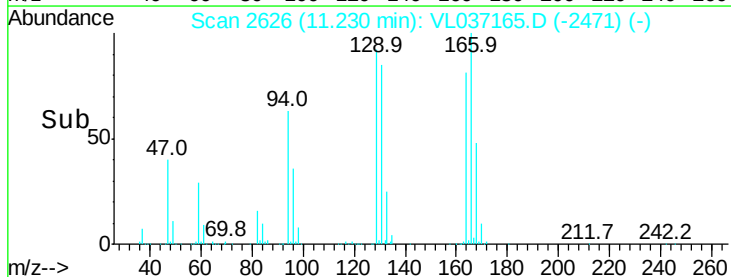
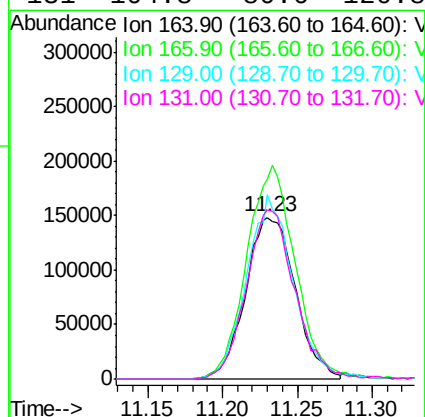
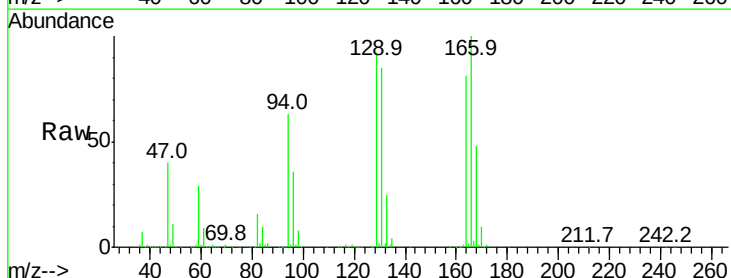
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

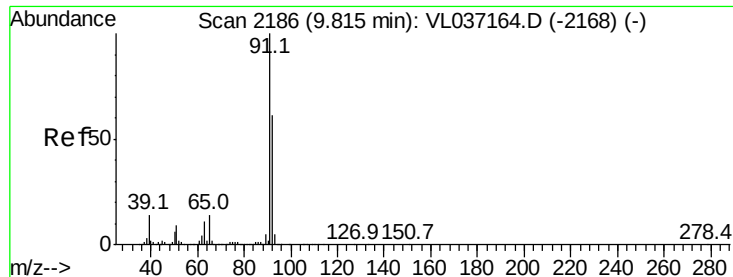
Tgt Ion: 43 Resp: 271527
Ion Ratio Lower Upper
43 100
58 47.6 38.4 57.6
98 0.6 0.3 0.5#



#52
Tetrachloroethene
Concen: 2.240 ppbv
RT: 11.23 min Scan# 2626
Delta R.T. -0.00 min
Lab File: VL037165.D
Acq: 16 Jun 2021 10:04

Tgt Ion: 164 Resp: 341343
Ion Ratio Lower Upper
164 100
166 123.9 97.6 146.4
129 113.9 82.9 124.3
131 104.8 80.6 120.8





#53

Toluene

Concen: 2.236 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VL037165.D

Acq: 16 Jun 2021 10:04

Instrument :

MSVOA_L

ClientSampleId :

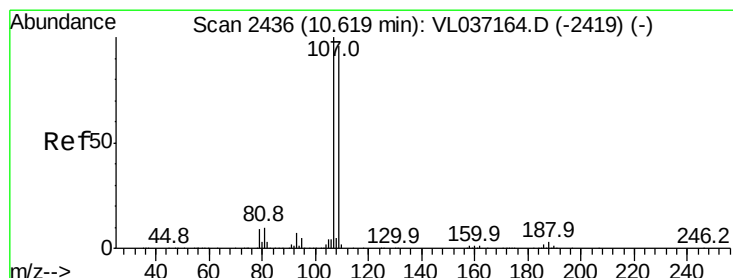
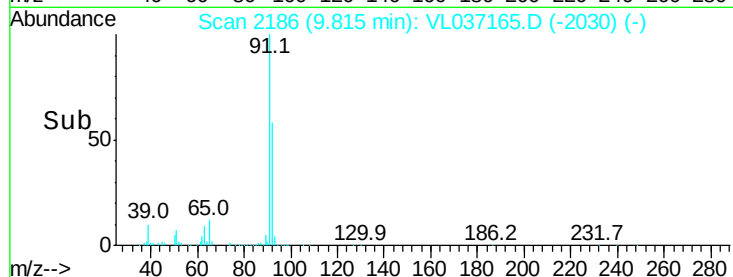
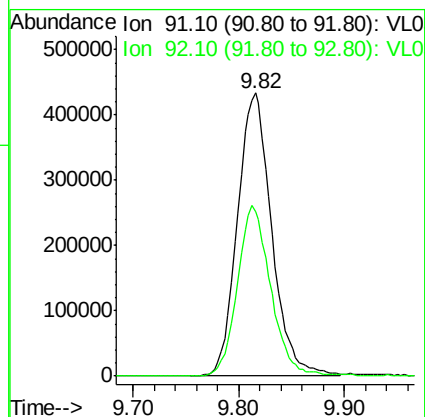
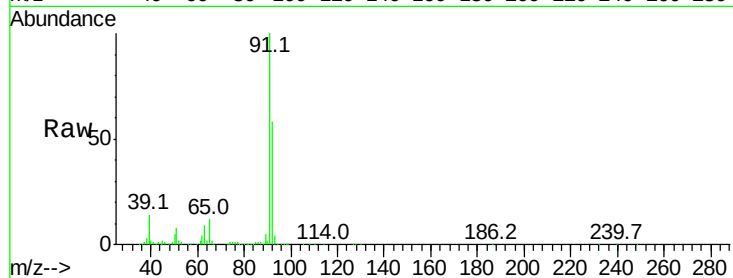
VSTDIC002

Tgt Ion: 91 Resp: 979146

Ion Ratio Lower Upper

91 100

92 59.0 48.3 72.5



#54

1,2-Dibromoethane

Concen: 2.158 ppbv

RT: 10.62 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VL037165.D

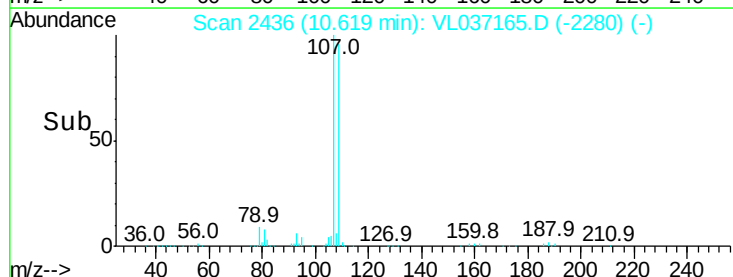
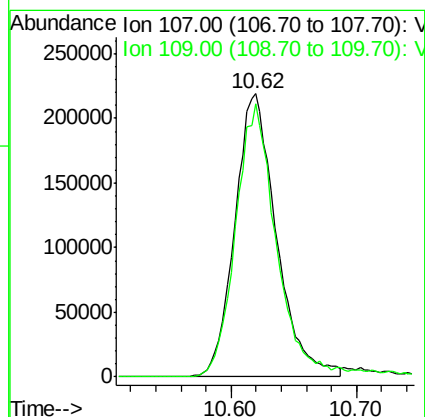
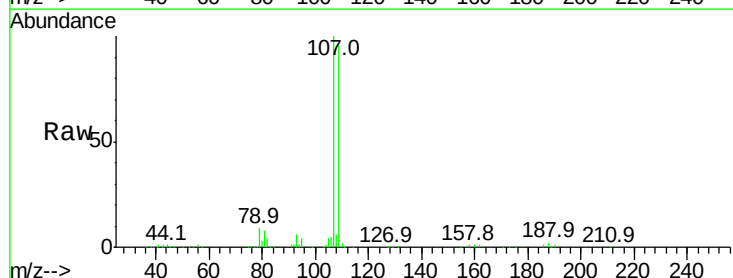
Acq: 16 Jun 2021 10:04

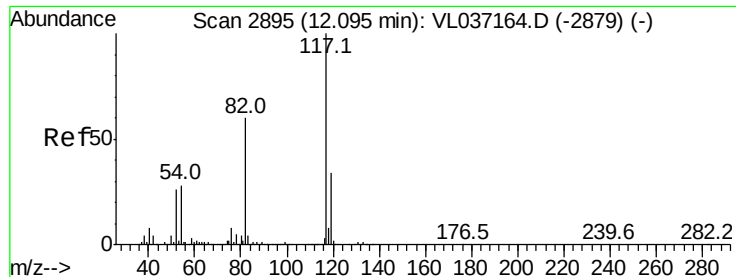
Tgt Ion: 107 Resp: 504195

Ion Ratio Lower Upper

107 100

109 96.2 77.0 115.6

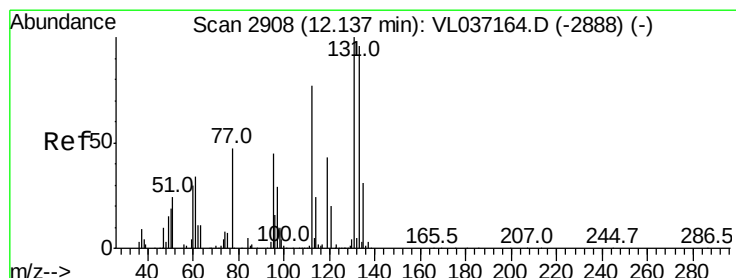
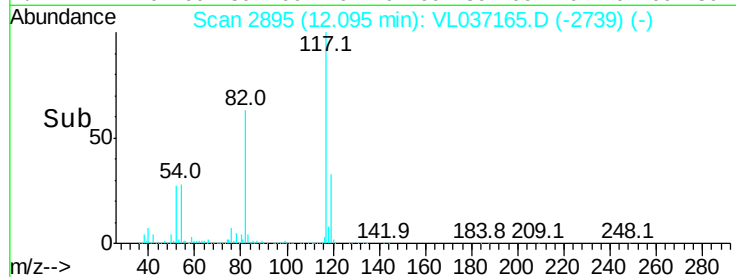
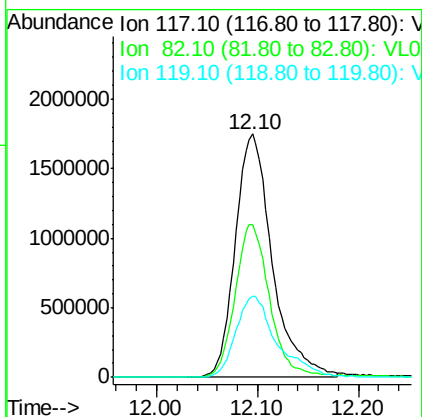
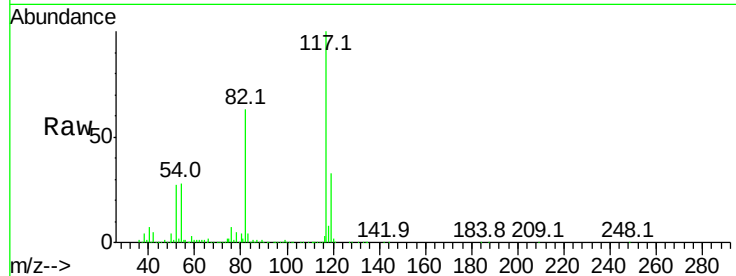




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2895
Delta R.T. 0.00 min
Lab File: VL037165.D
Acq: 16 Jun 2021 10:04

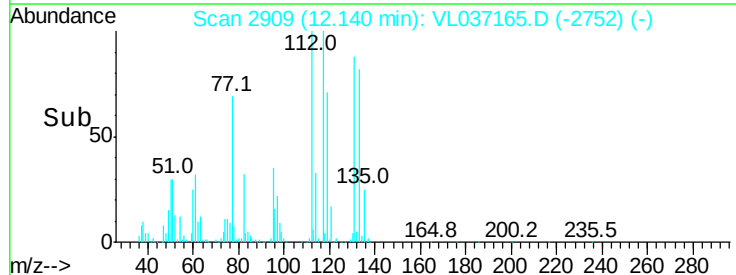
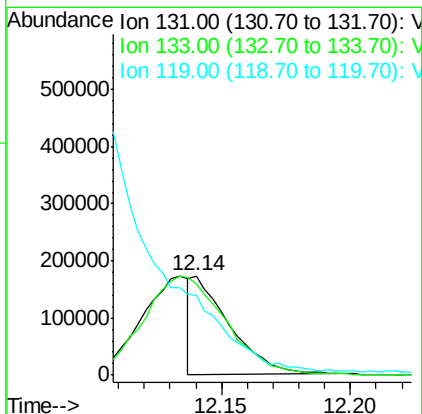
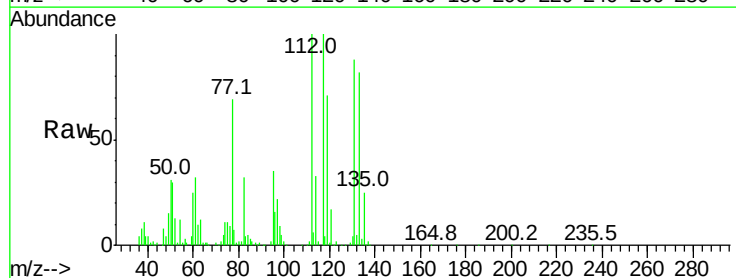
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

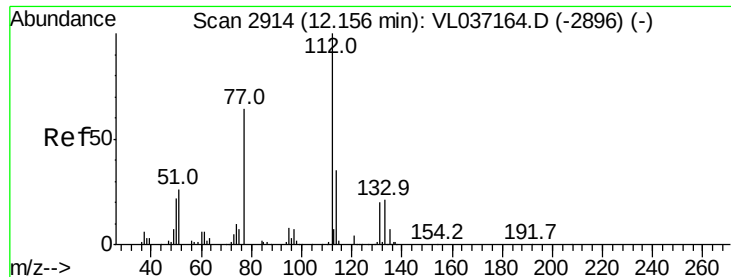
Tgt Ion:117 Resp: 4448230
Ion Ratio Lower Upper
117 100
82 59.4 51.7 77.5
119 37.7 47.6 71.4#



#56
1,1,1,2-Tetrachloroethane
Concen: 0.881 ppbv
RT: 12.14 min Scan# 2909
Delta R.T. 0.00 min
Lab File: VL037165.D
Acq: 16 Jun 2021 10:04

Tgt Ion:131 Resp: 170856
Ion Ratio Lower Upper
131 100
133 0.0 76.5 114.7#
119 0.0 48.6 72.8#

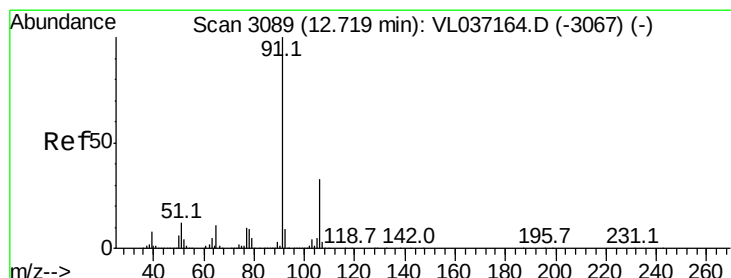
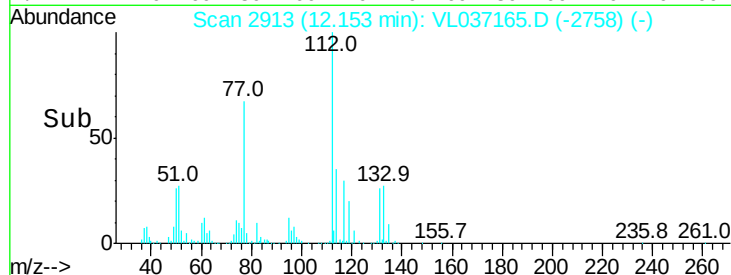
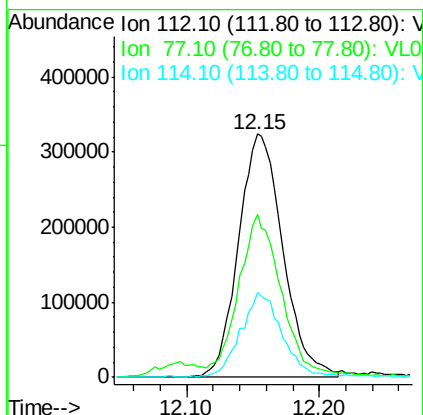
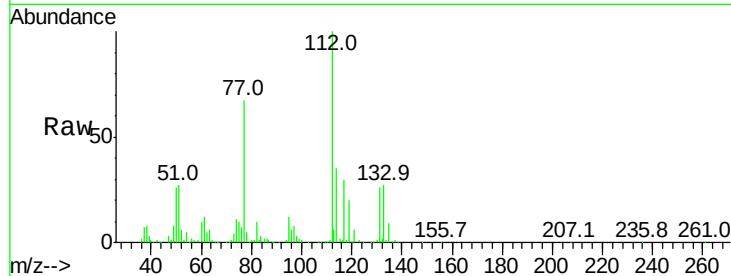




#57
Chlorobenzene
Concen: 2.103 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. -0.00 min
Lab File: VL037165.D
Acq: 16 Jun 2021 10:04

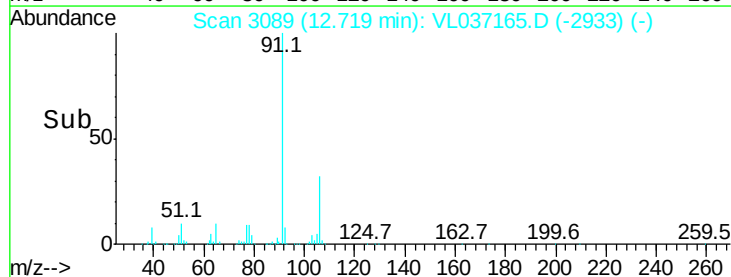
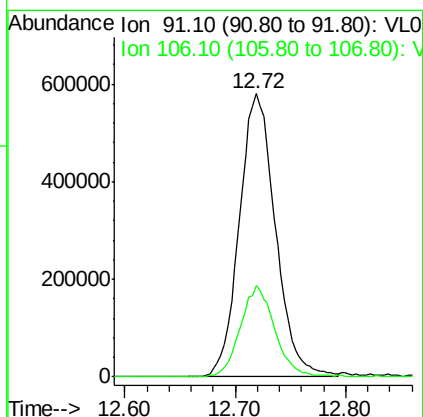
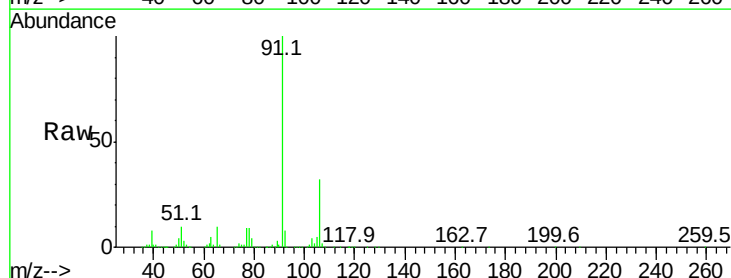
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

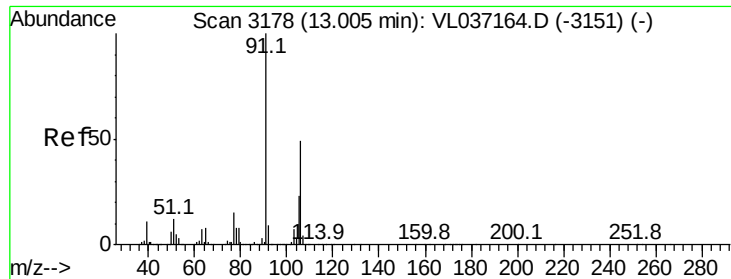
Tgt Ion: 112 Resp: 749452
Ion Ratio Lower Upper
112 100
77 65.2 52.2 78.4
114 34.9 31.1 38.1



#58
Ethyl Benzene
Concen: 2.191 ppbv
RT: 12.72 min Scan# 3089
Delta R.T. 0.00 min
Lab File: VL037165.D
Acq: 16 Jun 2021 10:04

Tgt Ion: 91 Resp: 1319861
Ion Ratio Lower Upper
91 100
106 32.2 26.3 39.5

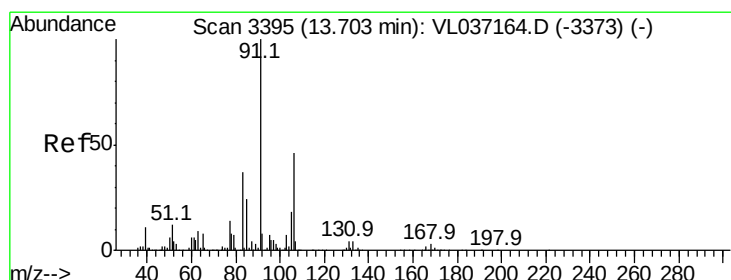
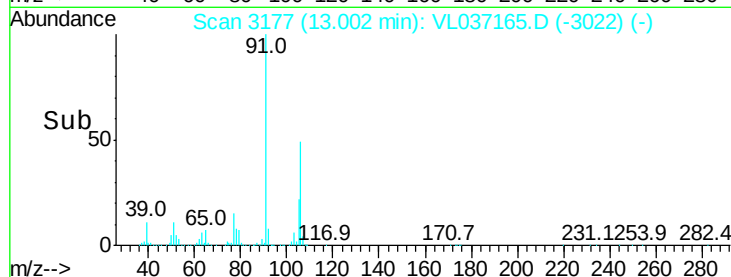
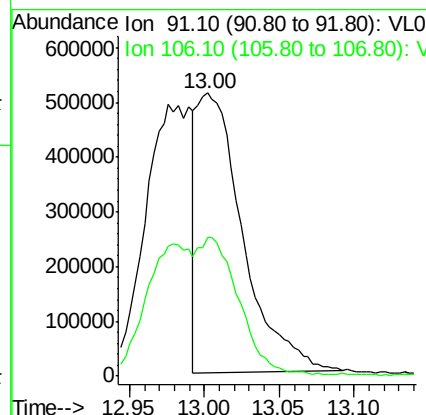
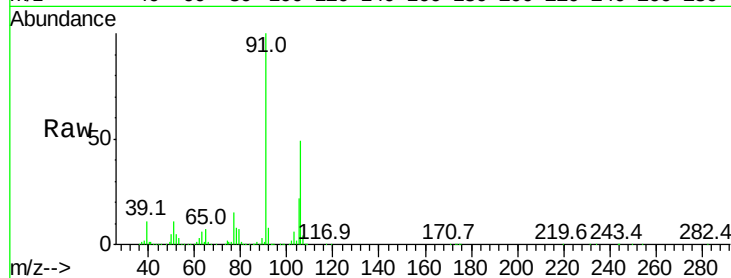




#59
m/p-Xylene
Concen: 2.122 ppbv
RT: 13.00 min Scan# 3177
Delta R.T. -0.00 min
Lab File: VL037165.D
Acq: 16 Jun 2021 10:04

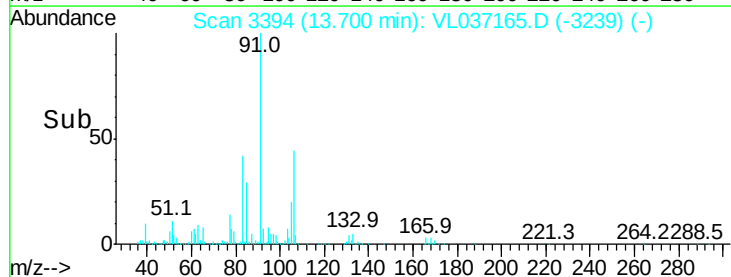
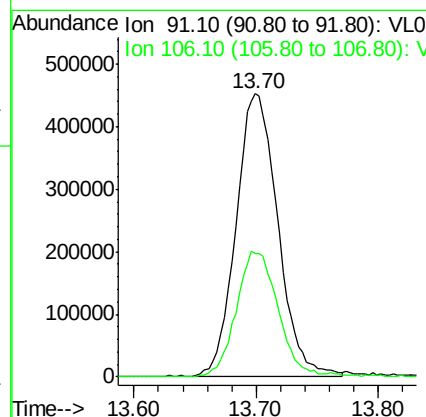
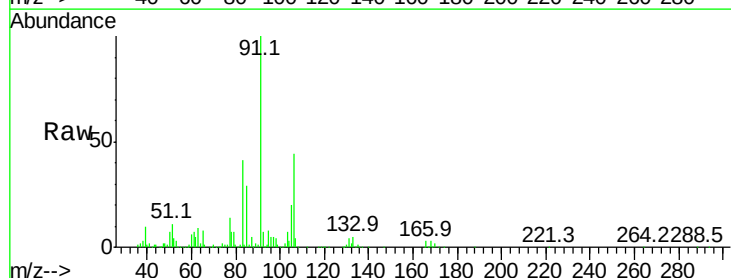
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

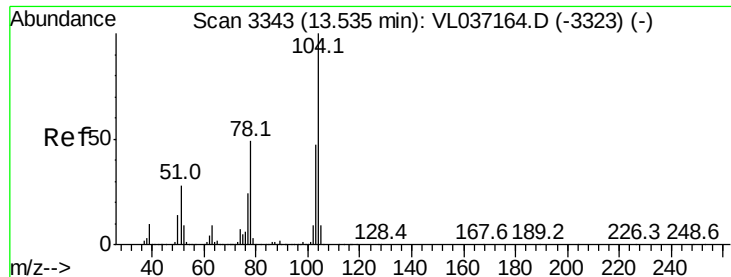
Tgt Ion: 91 Resp: 1086705
Ion Ratio Lower Upper
91 100
106 94.0 37.0 55.4#



#60
o-Xylene
Concen: 2.167 ppbv
RT: 13.70 min Scan# 3394
Delta R.T. -0.00 min
Lab File: VL037165.D
Acq: 16 Jun 2021 10:04

Tgt Ion: 91 Resp: 1065122
Ion Ratio Lower Upper
91 100
106 45.5 23.0 69.0





#61

Styrene

Concen: 2.080 ppbv

RT: 13.54 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VL037165.D

Acq: 16 Jun 2021 10:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

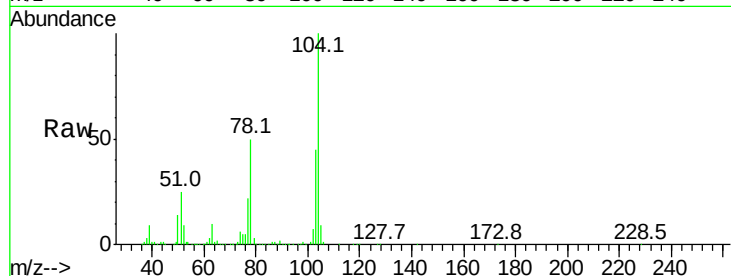
Tgt Ion:104 Resp: 539220

Ion Ratio Lower Upper

104 100

78 51.2 39.7 59.5

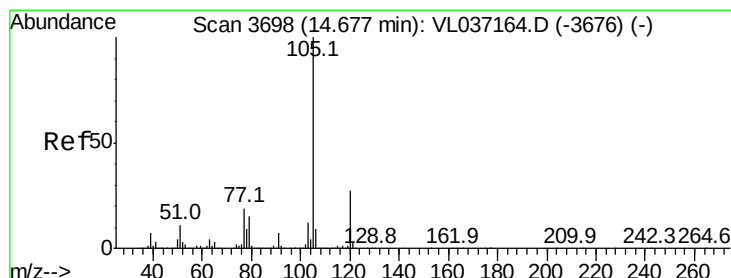
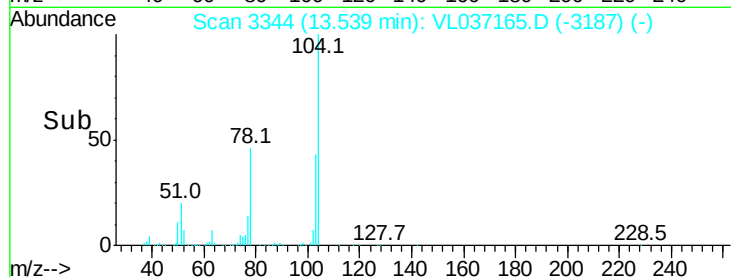
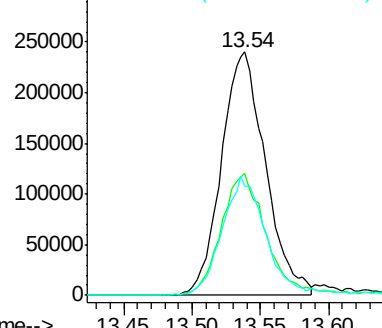
103 48.7 37.6 56.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 2.145 ppbv

RT: 14.67 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VL037165.D

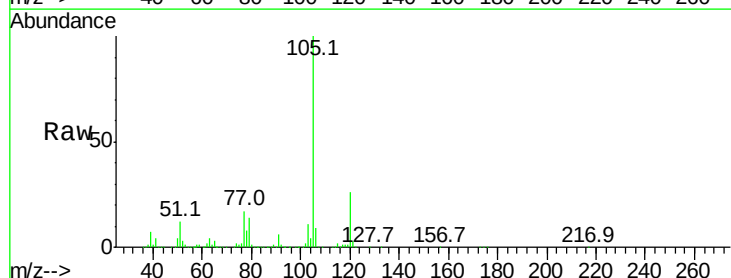
Acq: 16 Jun 2021 10:04

Tgt Ion:105 Resp: 1502881

Ion Ratio Lower Upper

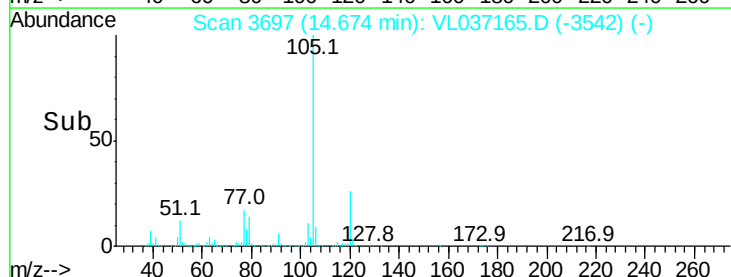
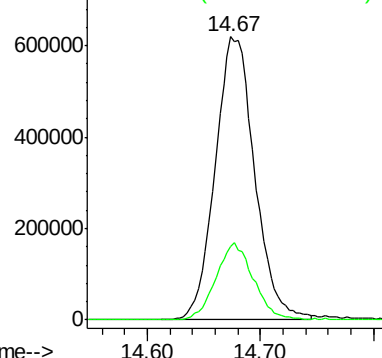
105 100

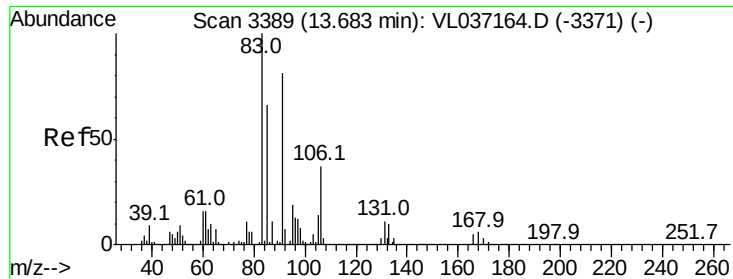
120 26.0 21.6 32.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

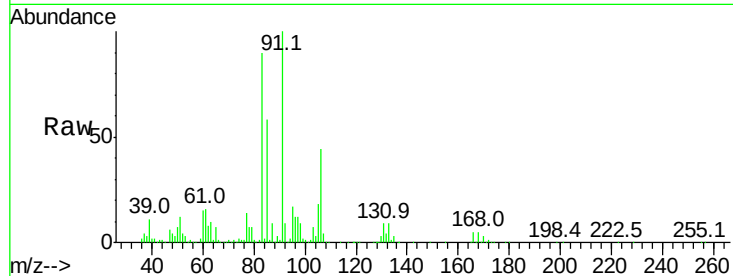




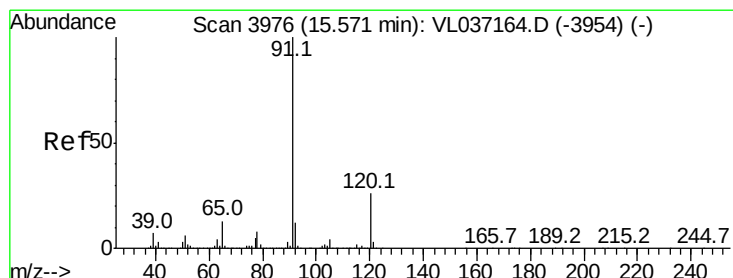
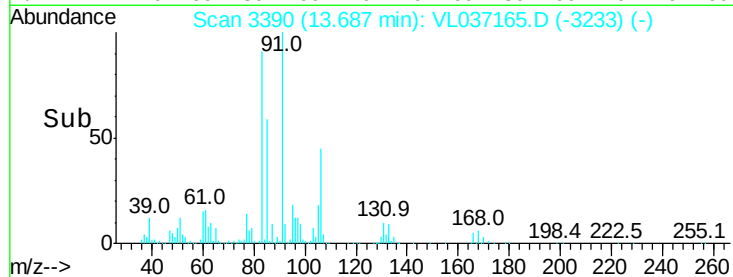
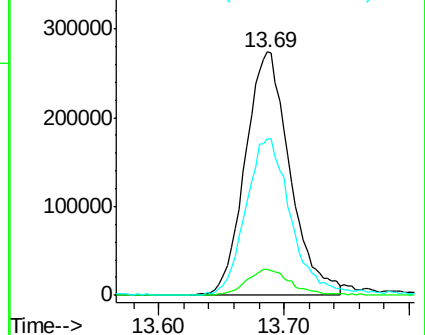
#63
 1,1,2,2-Tetrachloroethane
 Concen: 2.120 ppbv
 RT: 13.69 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VL037165.D
 Acq: 16 Jun 2021 10:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion: 83 Resp: 677532
 Ion Ratio Lower Upper
 83 100
 131 11.2 5.4 16.2
 85 66.8 33.1 99.2

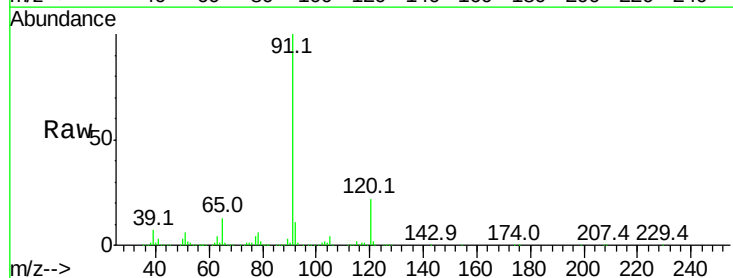


Abundance Ion 83.00 (82.70 to 83.70): VL0
 Ion 131.00 (130.70 to 131.70): V
 Ion 85.00 (84.70 to 85.70): VL0

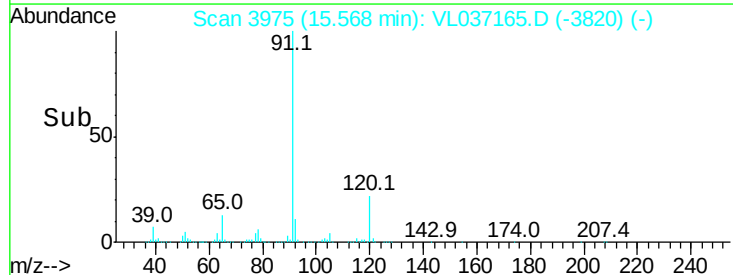
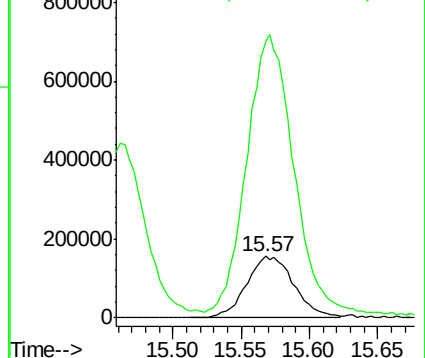


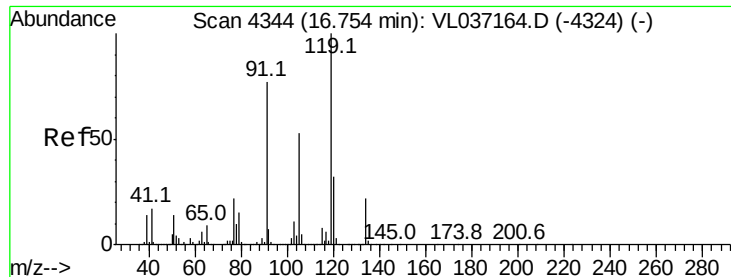
#64
 n-propylbenzene
 Concen: 2.099 ppbv
 RT: 15.57 min Scan# 3975
 Delta R.T. -0.00 min
 Lab File: VL037165.D
 Acq: 16 Jun 2021 10:04

Tgt Ion: 120 Resp: 375050
 Ion Ratio Lower Upper
 120 100
 91 473.4 343.3 514.9



Abundance Ion 120.20 (119.90 to 120.90): V
 Ion 91.10 (90.80 to 91.80): VL0

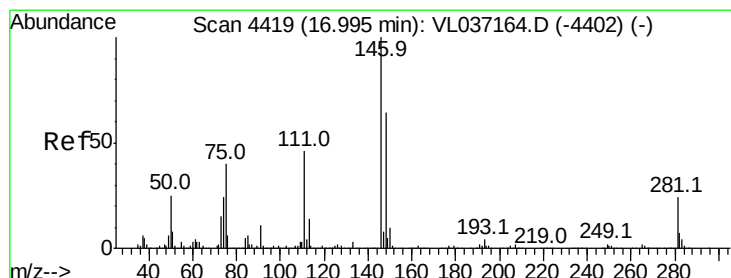
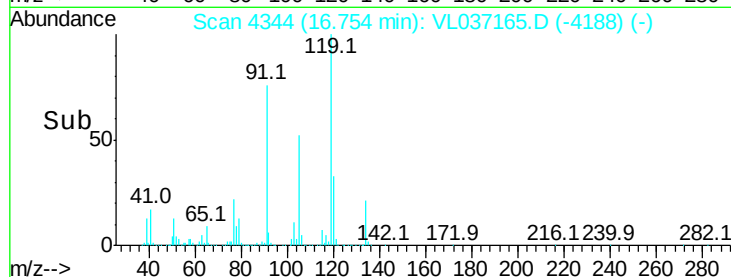
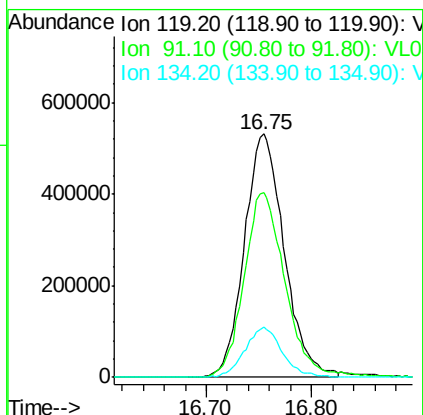
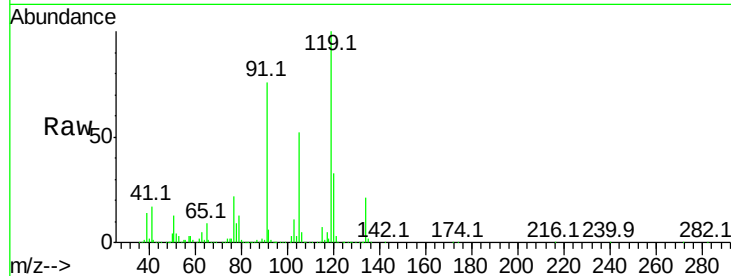




#65
 tert-Butylbenzene
 Concen: 2.197 ppbv
 RT: 16.75 min Scan# 4344
 Delta R.T. 0.00 min
 Lab File: VL037165.D
 Acq: 16 Jun 2021 10:04

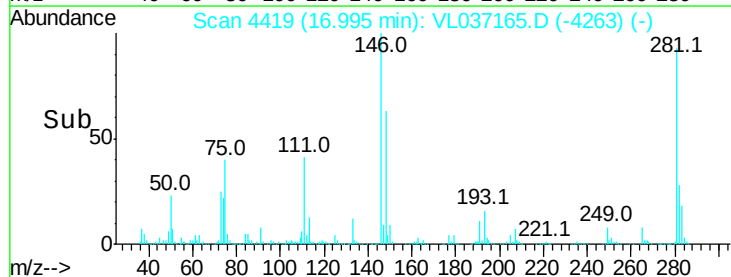
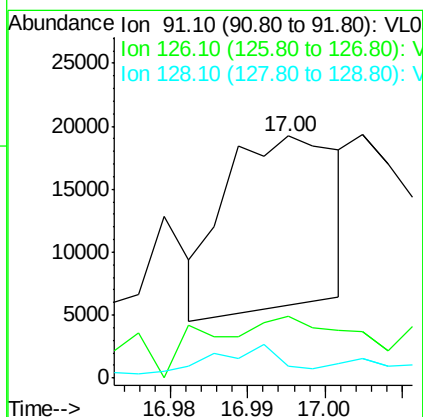
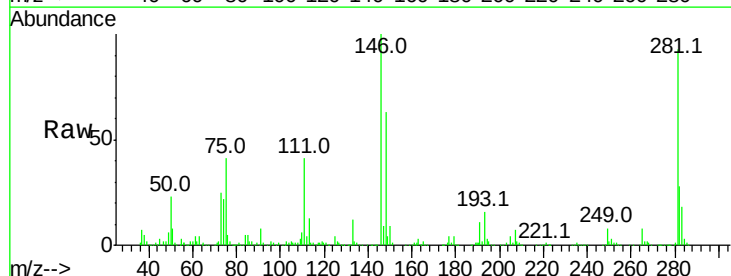
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

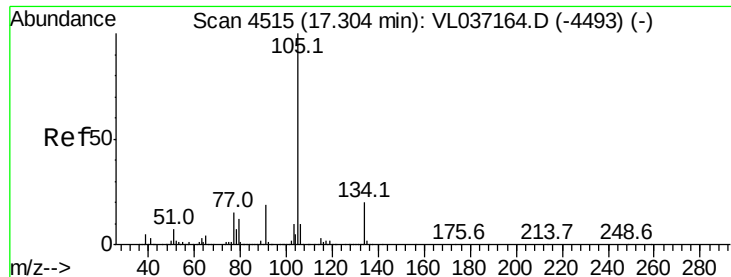
Tgt Ion: 119 Resp: 1395250
 Ion Ratio Lower Upper
 119 100
 91 78.0 62.6 93.8
 134 19.8 16.2 24.4



#66
 Benzyl Chloride
 Concen: 0.496 ppbv
 RT: 17.00 min Scan# 4419
 Delta R.T. 0.00 min
 Lab File: VL037165.D
 Acq: 16 Jun 2021 10:04

Tgt Ion: 91 Resp: 13737
 Ion Ratio Lower Upper
 91 100
 126 100.7 15.5 23.3#
 128 33.1 5.7 8.5#





#67

sec-Butylbenzene

Concen: 2.194 ppbv

RT: 17.30 min Scan# 4515

Delta R.T. 0.00 min

Lab File: VL037165.D

Acq: 16 Jun 2021 10:04

Instrument :

MSVOA_L

ClientSampleId :

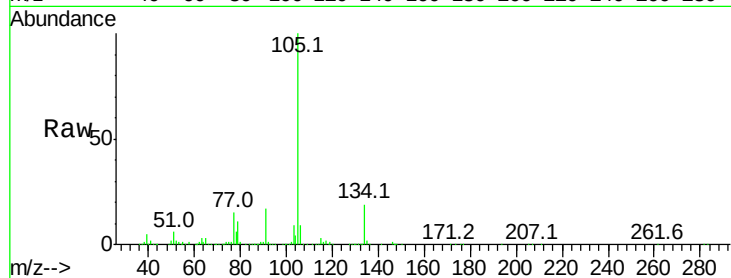
VSTDIC002

Tgt Ion:105 Resp: 1850998

Ion Ratio Lower Upper

105 100

134 18.6 15.8 23.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.30

800000

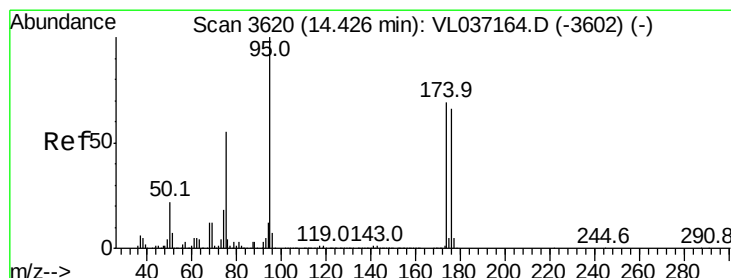
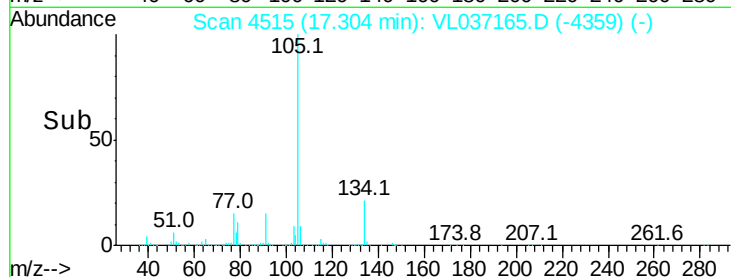
600000

400000

200000

0

Time--> 17.20 17.30 17.40



#68

1-Bromo-4-Fluorobenzene

Concen: 9.888 ppbv

RT: 14.43 min Scan# 3620

Delta R.T. 0.00 min

Lab File: VL037165.D

Acq: 16 Jun 2021 10:04

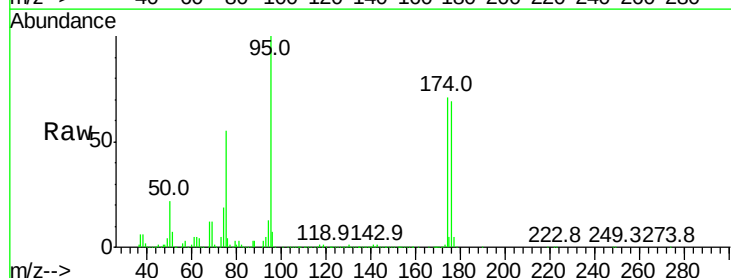
Tgt Ion: 95 Resp: 3239582

Ion Ratio Lower Upper

95 100

174 72.4 57.0 85.4

175 5.4 4.4 6.6



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

14.43

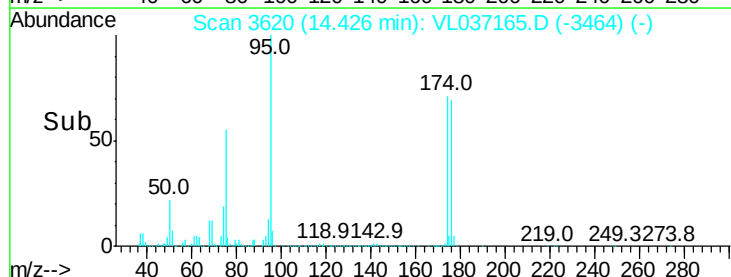
1500000

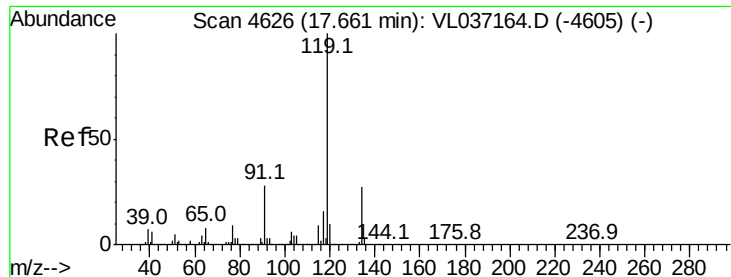
1000000

500000

0

Time--> 14.30 14.40 14.50

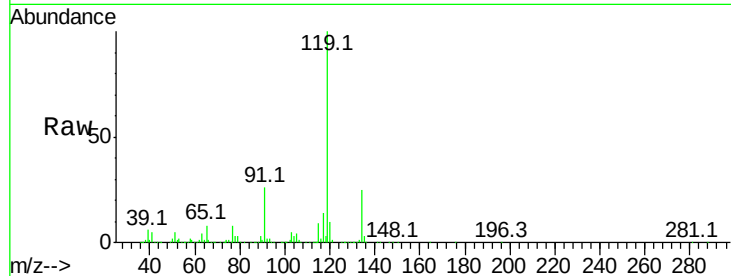




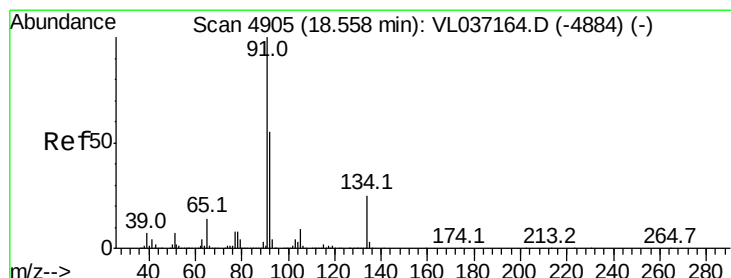
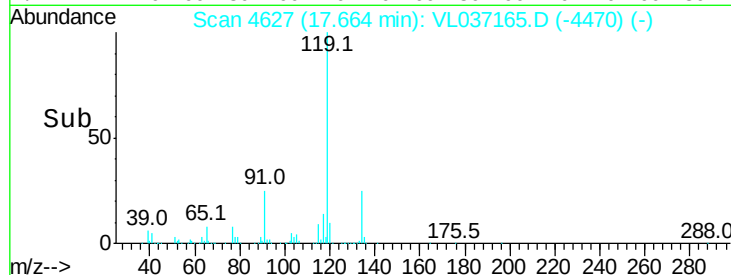
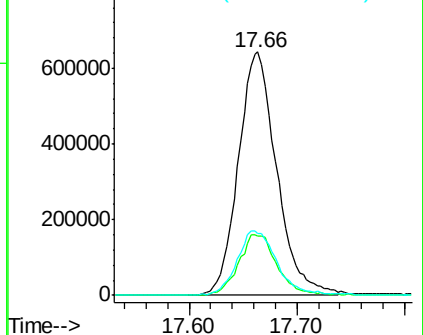
#69
p-Isopropyltoluene
Concen: 2.247 ppbv
RT: 17.66 min Scan# 4627
Delta R.T. 0.00 min
Lab File: VL037165.D
Acq: 16 Jun 2021 10:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 119 Resp: 1584845
Ion Ratio Lower Upper
119 100
134 25.2 20.9 31.3
91 27.4 22.6 34.0

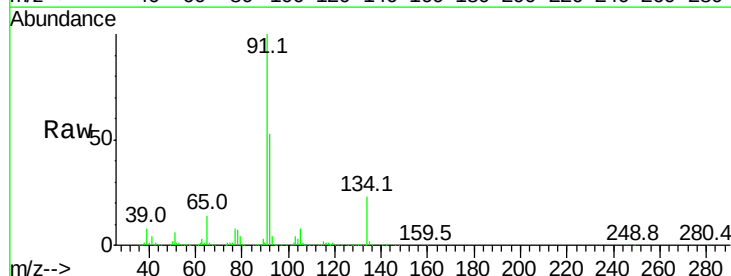


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

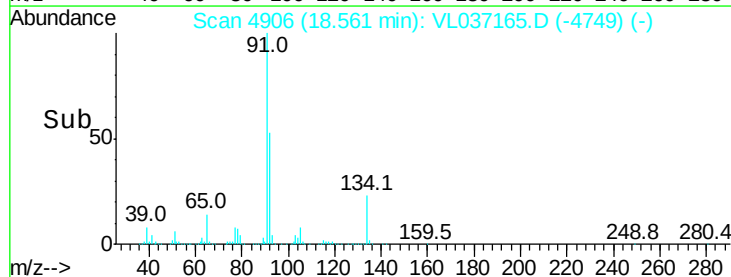
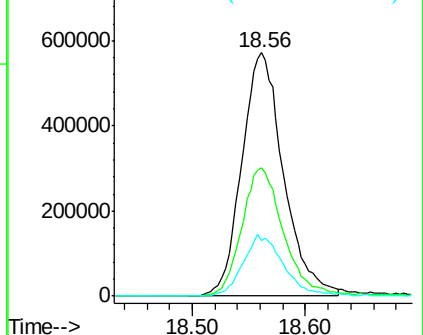


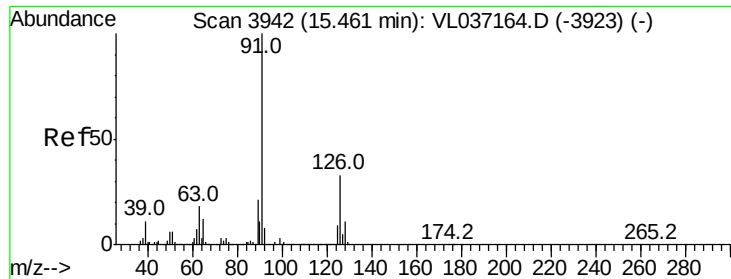
#70
n-Butylbenzene
Concen: 2.260 ppbv
RT: 18.56 min Scan# 4906
Delta R.T. 0.00 min
Lab File: VL037165.D
Acq: 16 Jun 2021 10:04

Tgt Ion: 91 Resp: 1458294
Ion Ratio Lower Upper
91 100
92 53.3 44.0 66.0
134 24.9 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: 2.106 ppbv

RT: 15.46 min Scan# 3942

Delta R.T. 0.00 min

Lab File: VL037165.D

Acq: 16 Jun 2021 10:04

Instrument :

MSVOA_L

ClientSampleId :

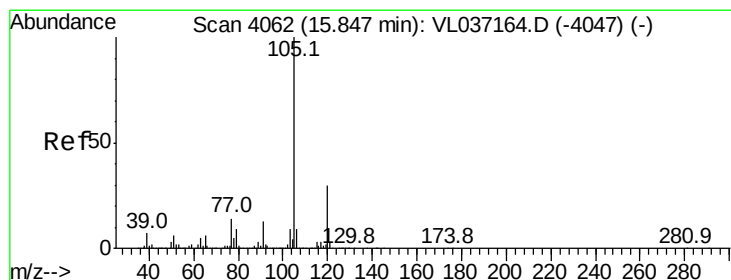
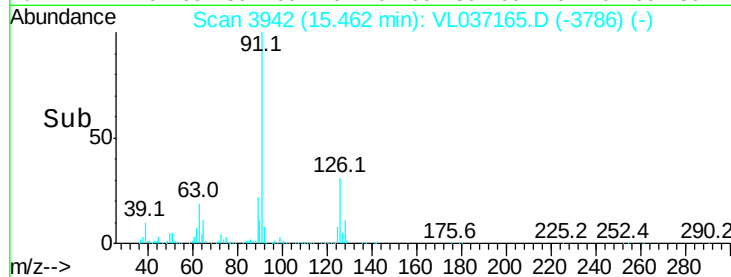
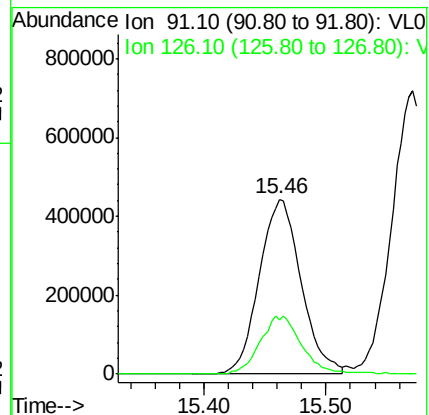
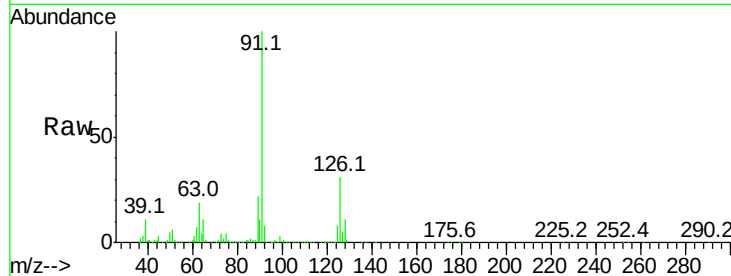
VSTDIC002

Tgt Ion: 91 Resp: 1052843

Ion Ratio Lower Upper

91 100

126 33.6 13.5 54.1



#72

4-Ethyltoluene

Concen: 2.112 ppbv

RT: 15.85 min Scan# 4062

Delta R.T. 0.00 min

Lab File: VL037165.D

Acq: 16 Jun 2021 10:04

Tgt Ion: 105 Resp: 1205907

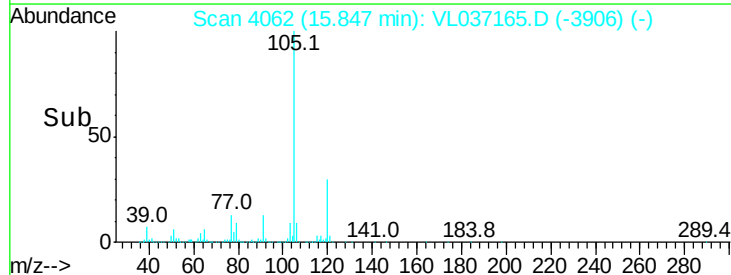
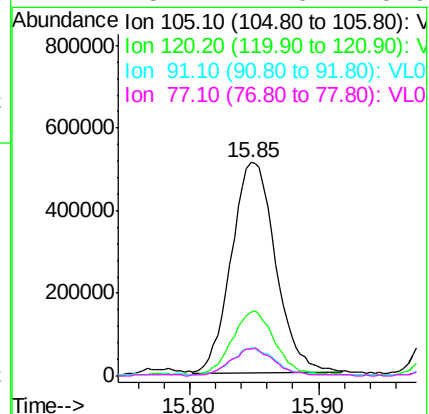
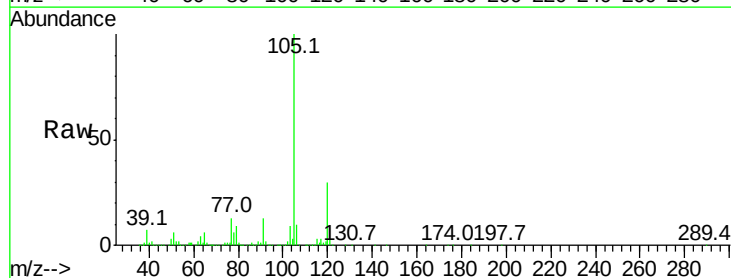
Ion Ratio Lower Upper

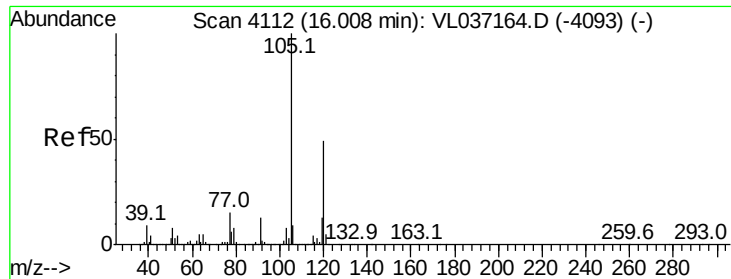
105 100

120 31.2 24.7 37.1

91 12.8 10.2 15.4

77 13.4 11.0 16.6





#73

1,3,5-Trimethylbenzene

Concen: 2.095 ppbv

RT: 16.00 min Scan# 4111

Delta R.T. -0.00 min

Lab File: VL037165.D

Acq: 16 Jun 2021 10:04

Instrument :

MSVOA_L

ClientSampleId :

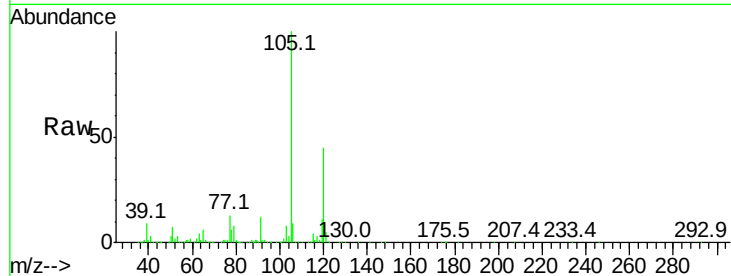
VSTDIC002

Tgt Ion:105 Resp: 1135065

Ion Ratio Lower Upper

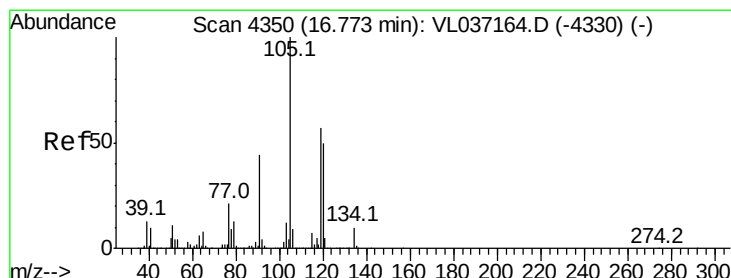
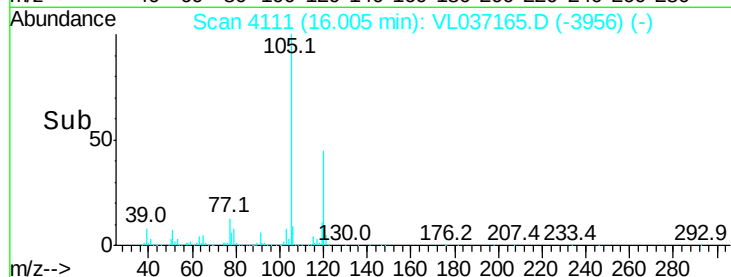
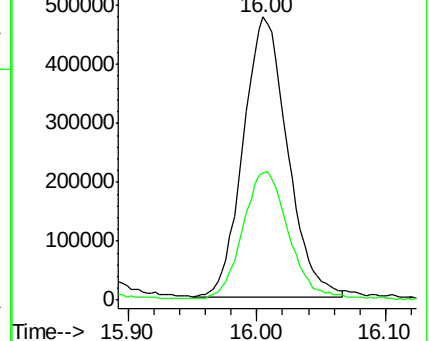
105 100

120 45.3 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: 2.193 ppbv

RT: 16.77 min Scan# 4349

Delta R.T. -0.00 min

Lab File: VL037165.D

Acq: 16 Jun 2021 10:04

Tgt Ion:105 Resp: 1208673

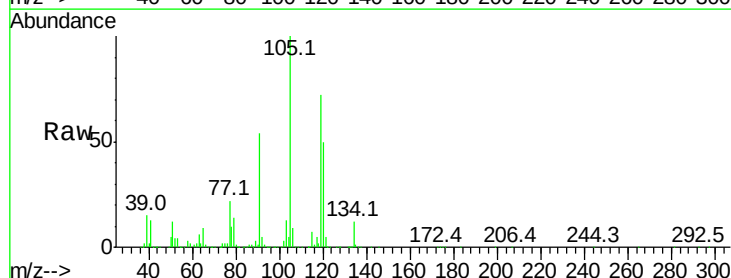
Ion Ratio Lower Upper

105 100

120 49.5 39.8 59.8

91 53.3 37.0 55.4

77 21.9 17.0 25.4

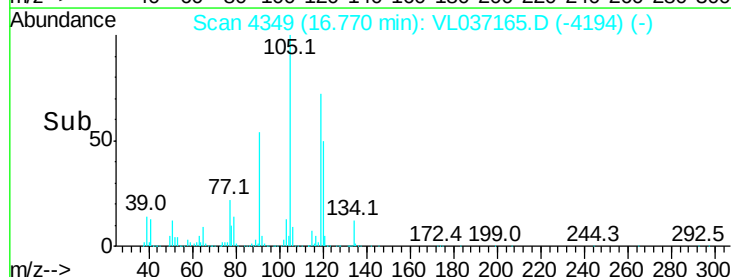
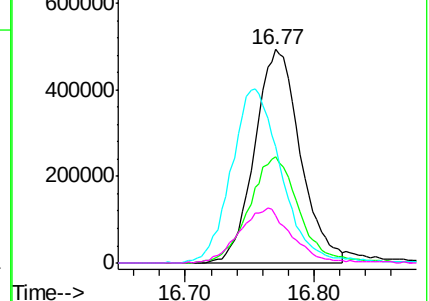


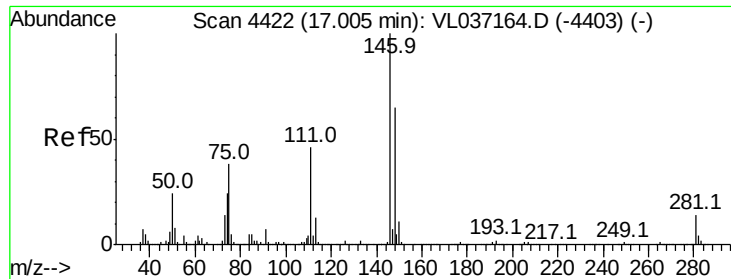
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

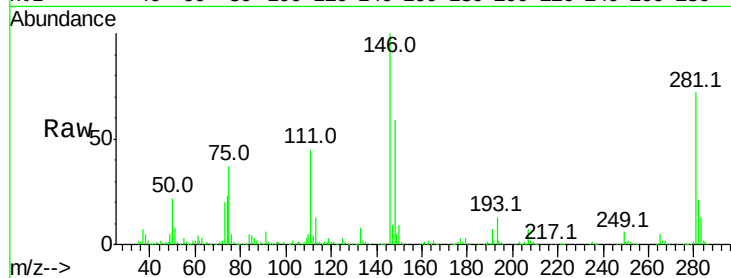




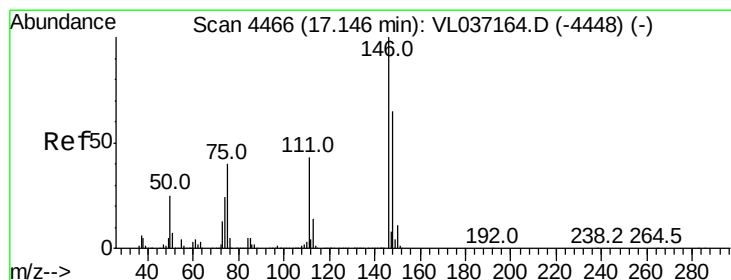
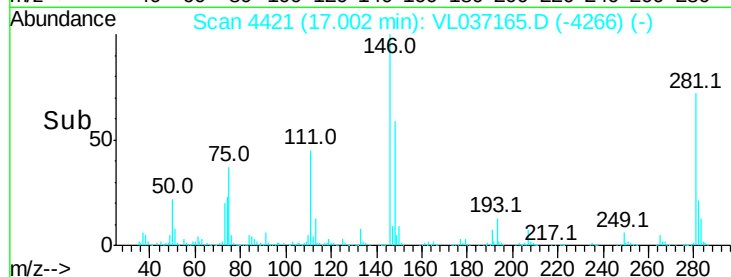
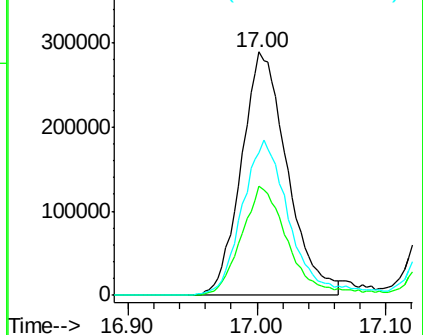
#75
 1,3-Dichlorobenzene
 Concen: 2.115 ppbv
 RT: 17.00 min Scan# 4421
 Delta R.T. -0.00 min
 Lab File: VL037165.D
 Acq: 16 Jun 2021 10:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion:146 Resp: 717761
 Ion Ratio Lower Upper
 146 100
 111 45.2 22.2 66.6
 148 65.1 32.4 97.2

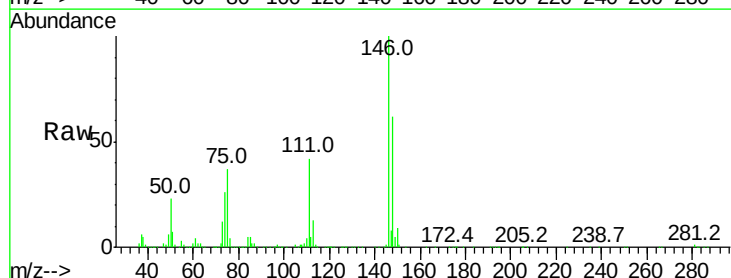


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

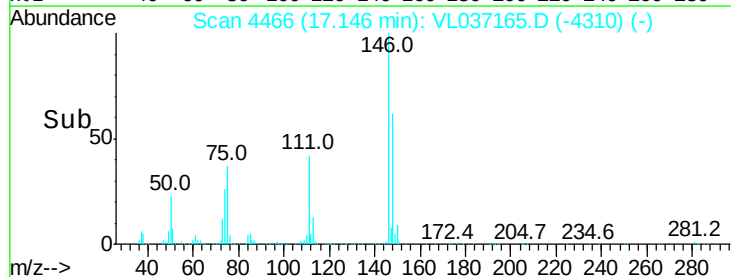
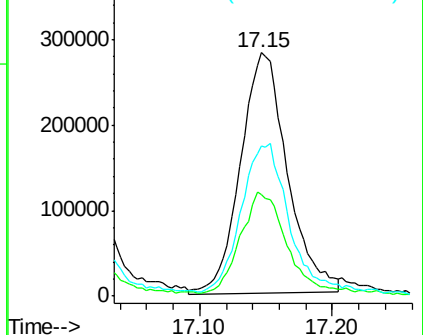


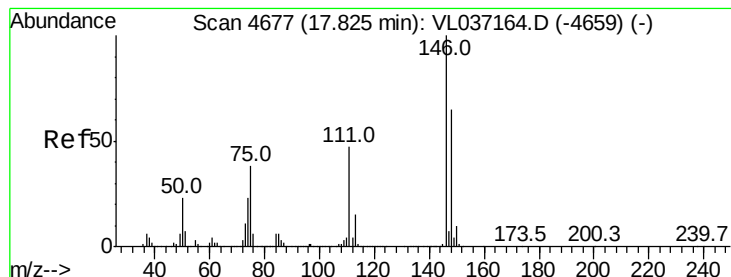
#76
 1,4-Dichlorobenzene
 Concen: 2.056 ppbv
 RT: 17.15 min Scan# 4466
 Delta R.T. 0.00 min
 Lab File: VL037165.D
 Acq: 16 Jun 2021 10:04

Tgt Ion:146 Resp: 692900
 Ion Ratio Lower Upper
 146 100
 111 48.0 22.7 68.0
 148 69.5 33.7 101.1



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 2.087 ppbv

RT: 17.82 min Scan# 4677

Delta R.T. 0.00 min

Lab File: VL037165.D

Acq: 16 Jun 2021 10:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

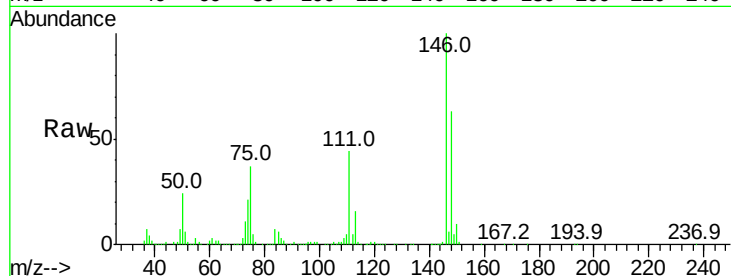
Tgt Ion:146 Resp: 698267

Ion Ratio Lower Upper

146 100

111 47.0 23.3 69.8

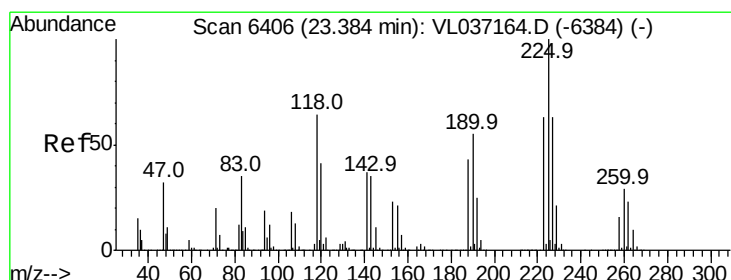
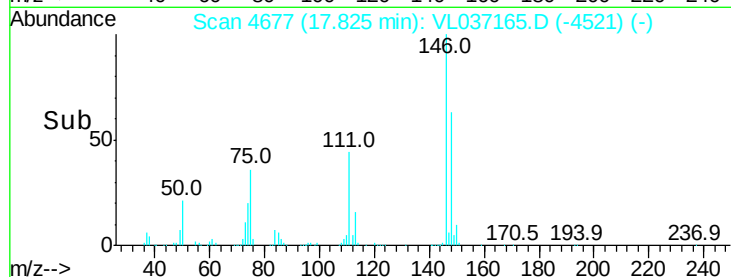
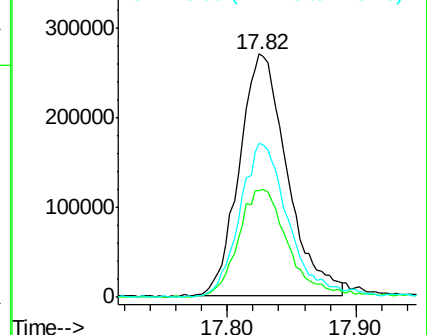
148 65.6 32.4 97.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 2.589 ppbv

RT: 23.38 min Scan# 6406

Delta R.T. 0.00 min

Lab File: VL037165.D

Acq: 16 Jun 2021 10:04

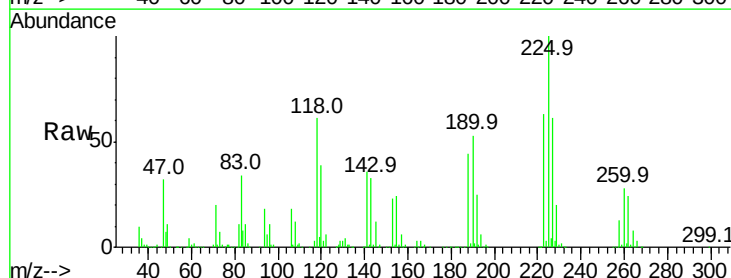
Tgt Ion:225 Resp: 614123

Ion Ratio Lower Upper

225 100

223 64.8 51.8 77.8

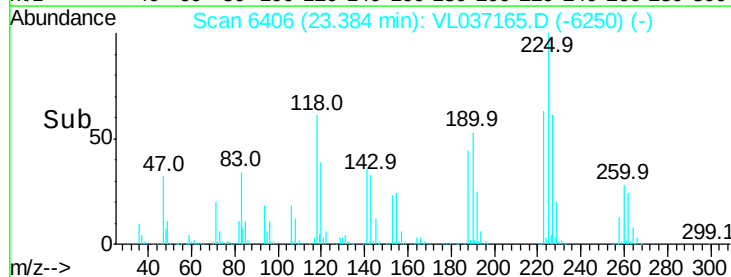
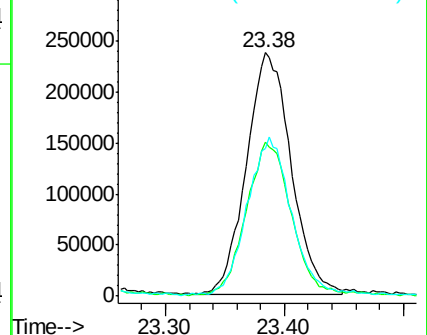
227 66.6 51.4 77.0

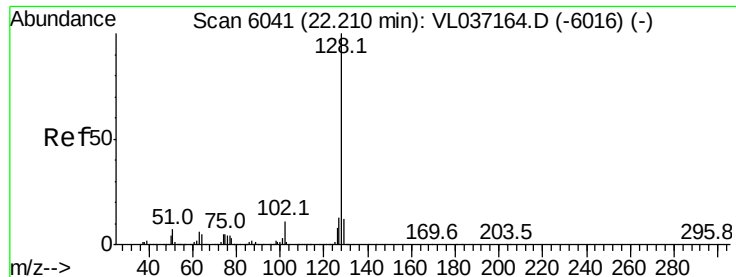


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 3.213 ppbv

RT: 22.21 min Scan# 6041

Delta R.T. 0.00 min

Lab File: VL037165.D

Acq: 16 Jun 2021 10:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

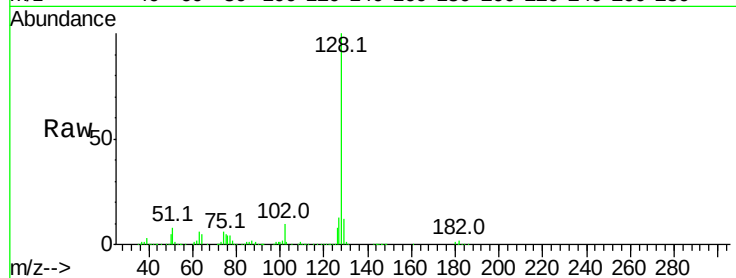
Tgt Ion:128 Resp: 1065846

Ion Ratio Lower Upper

128 100

127 12.7 10.7 16.1

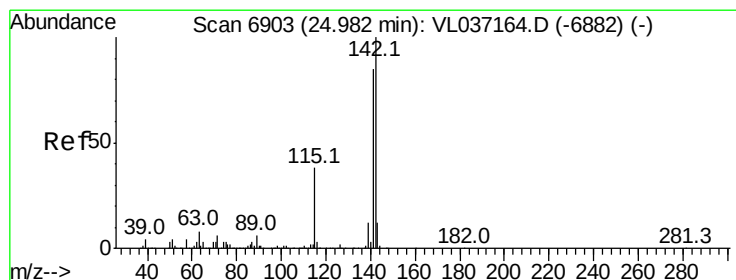
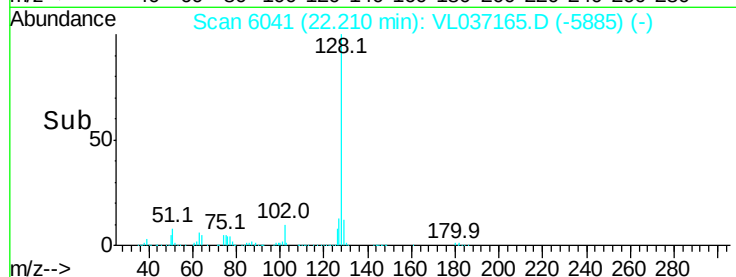
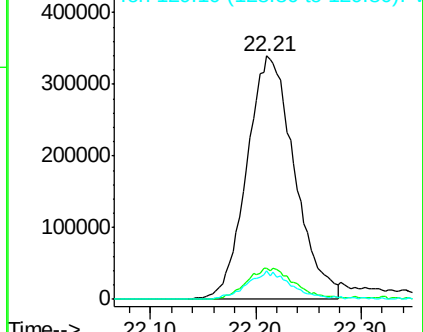
129 11.7 9.3 13.9



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: 2.969 ppbv

RT: 24.99 min Scan# 6905

Delta R.T. 0.01 min

Lab File: VL037165.D

Acq: 16 Jun 2021 10:04

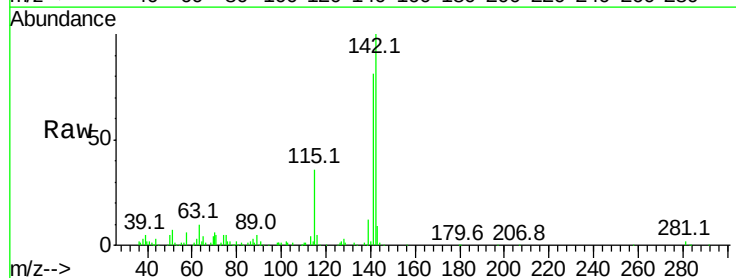
Tgt Ion:142 Resp: 238299

Ion Ratio Lower Upper

142 100

141 100.3 63.7 95.5#

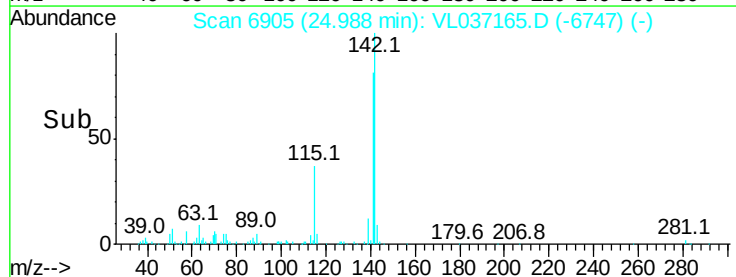
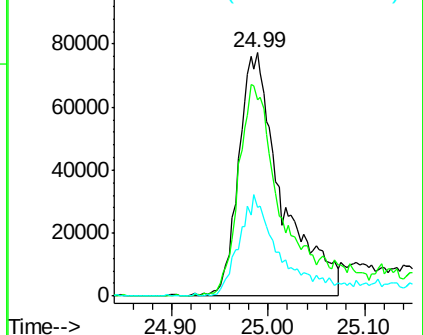
115 40.8 30.6 45.8

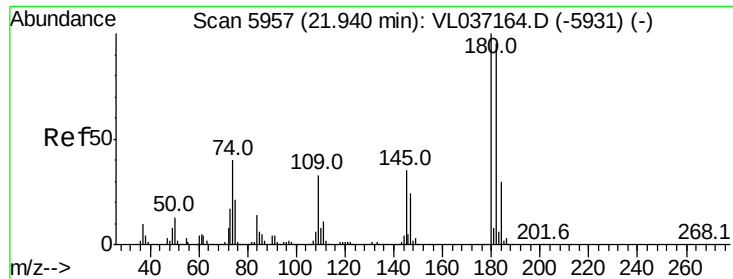


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 2.836 ppbv
 RT: 21.94 min Scan# 5956
 Delta R.T. -0.00 min
 Lab File: VL037165.D
 Acq: 16 Jun 2021 10:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.5	79.3	118.9
184	30.6	24.7	37.1

