

Data File : VL035421.D
Acq On : 17 Aug 2020 14:52
Operator : SY/AP
Sample : VSTDIC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Quant Time: Aug 17 16:09:51 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 17 09:05:17 2020
QLast Update : Mon Aug 17 09:05:17 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1141124	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	5162308	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	5430807	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	3683191	8.01	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.10%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.05	85	408959	2.699	ppbv 97
3) Chlorodifluoromethane	2.99	51	308850	2.112	ppbv 95
4) Chloromethane	3.14	50	158278	2.055	ppbv 100
5) Vinyl Chloride	3.26	62	188004	2.402	ppbv 94
6) Bromomethane	3.48	94	165796	3.863	ppbv 97
7) Chloroethane	3.56	64	69099	2.662	ppbv 95
8) Dichlorotetrafluoroethane	3.19	85	581578	3.367	ppbv # 57
9) Propene	3.01	41	117835	1.698	ppbv 99
10) Heptane	8.14	43	330403	1.884	ppbv # 80
11) Trichlorofluoromethane	3.96	101	720645	3.962	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	529907	4.475	ppbv # 76
13) Ethanol	3.61	45	50860	2.295	ppbv 98
14) Bromoethene	3.75	108	235919	4.540	ppbv # 94
15) Acetone	3.86	43	289426	1.927	ppbv # 75
16) 1,3-Butadiene	3.33	39	117470	1.708	ppbv # 69
17) tert-Butyl alcohol	4.30	59	359584	2.523	ppbv 98
18) 1,1-Dichloroethene	4.29	96	233959	4.397	ppbv # 59
19) Isopropyl Alcohol	3.98	45	192227	1.815	ppbv # 97
20) Methylene Chloride	4.35	84	229330	4.117	ppbv # 62
21) Allyl Chloride	4.42	41	140608	1.602	ppbv # 81
22) trans-1,2-Dichloroethene	4.90	96	247691	4.673	ppbv # 63
23) Vinyl Acetate	5.08	43	405945	1.844	ppbv # 95
24) 1,1-Dichloroethane	5.02	63	410482	2.616	ppbv # 95
25) Ethyl Acetate	5.69	43	562538	1.871	ppbv # 94
26) Hexane	5.70	57	315442	2.414	ppbv # 76
27) Carbon Disulfide	4.56	76	455800	3.583	ppbv # 87
28) Methyl tert-Butyl Ether	5.05	73	573898	2.846	ppbv # 91
29) Chloroform	5.76	83	622879	3.104	ppbv 100
30) Cyclohexane	7.15	84	350518	3.379	ppbv # 69
31) cis-1,2-Dichloroethene	5.56	61	325665	2.447	ppbv # 64
32) 1,1,1-Trichloroethane	6.53	97	611442	3.056	ppbv # 90
34) 2-Butanone	5.26	43	371856	0.934	ppbv # 73
35) Carbon Tetrachloride	7.04	117	634588	1.655	ppbv 99
36) Benzene	6.91	78	833512	1.591	ppbv # 89
37) 1,2-Dichloroethane	6.32	62	371353	1.149	ppbv # 89
38) Trichloroethene	7.85	130	456624	2.254	ppbv # 83
39) 1,2-Dichloropropane	7.63	63	269854	1.278	ppbv # 82
40) 1,4-Dioxane	7.86	88	143781	1.760	ppbv # 36
41) Tetrahydrofuran	6.07	42	209302	0.935	ppbv # 64
42) Bromodichloromethane	7.81	83	641991	1.554	ppbv # 95
43) Methyl Methacrylate	8.04	69	324161	1.422	ppbv # 59

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 17 09:05:17 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	1114639	1.217	ppbv #	90
45) t-1,3-Dichloropropene	9.30	75	331705	1.385	ppbv	98
46) cis-1,3-Dichloropropene	8.73	75	420792	1.451	ppbv #	74
47) 1,1,2-Trichloroethane	9.50	97	407430	1.919	ppbv	90
48) Dibromochloromethane	10.33	129	696541	2.253	ppbv	98
49) Bromoform	13.07	173	677559	2.788	ppbv	99
50) 4-Methyl-2-Pentanone	8.77	43	550583	0.956	ppbv #	83
51) 2-Hexanone	10.17	43	467293	0.956	ppbv #	80
52) Tetrachloroethene	11.25	164	503039	2.699	ppbv #	81
53) Toluene	9.83	91	1095224	1.836	ppbv	99
54) 1,2-Dibromoethane	10.64	107	659937	2.014	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.15	131	564115	2.111	ppbv #	1
57) Chlorobenzene	12.18	112	992011	2.023	ppbv #	80
58) Ethyl Benzene	12.74	91	1471650	1.637	ppbv	93
59) m/p-Xylene	13.02	91	1367751	1.823	ppbv #	22
60) o-Xylene	13.72	91	1197100	1.622	ppbv	89
61) Styrene	13.56	104	965632	1.915	ppbv #	87
62) Isopropylbenzene	14.70	105	2005266	1.841	ppbv	93
63) 1,1,2,2-Tetrachloroethane	13.71	83	855213	1.493	ppbv	99
64) n-propylbenzene	15.59	120	600592	2.175	ppbv #	64
65) tert-Butylbenzene	16.78	119	1976265	2.117	ppbv #	78
66) Benzyl Chloride	17.02	91	434487	1.422	ppbv #	91
67) sec-Butylbenzene	17.33	105	2648525	1.922	ppbv #	91
69) p-Isopropyltoluene	17.69	119	2371530	2.113	ppbv #	89
70) n-Butylbenzene	18.59	91	2213479	1.687	ppbv #	94
71) 2-Chlorotoluene	15.49	91	1437291	1.613	ppbv	82
72) 4-Ethyltoluene	15.87	105	1612909	1.865	ppbv #	91
73) 1,3,5-Trimethylbenzene	16.03	105	1503020	1.841	ppbv	89
74) 1,2,4-Trimethylbenzene	16.80	105	1642991	1.879	ppbv #	90
75) 1,3-Dichlorobenzene	17.03	146	1231830	2.589	ppbv	92
76) 1,4-Dichlorobenzene	17.17	146	1218180	2.496	ppbv	91
77) 1,2-Dichlorobenzene	17.85	146	1210495	2.525	ppbv	91
78) Hexachloro-1,3-Butadiene	23.42	225	984635	2.674	ppbv	99
79) Naphthalene	22.25	128	2396710	2.348	ppbv	98
80) Naphthalene,2-methyl-	25.01	142	952009	2.235	ppbv #	92
81) 1,2,4-Trichlorobenzene	21.98	180	1397156	2.888	ppbv	100

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

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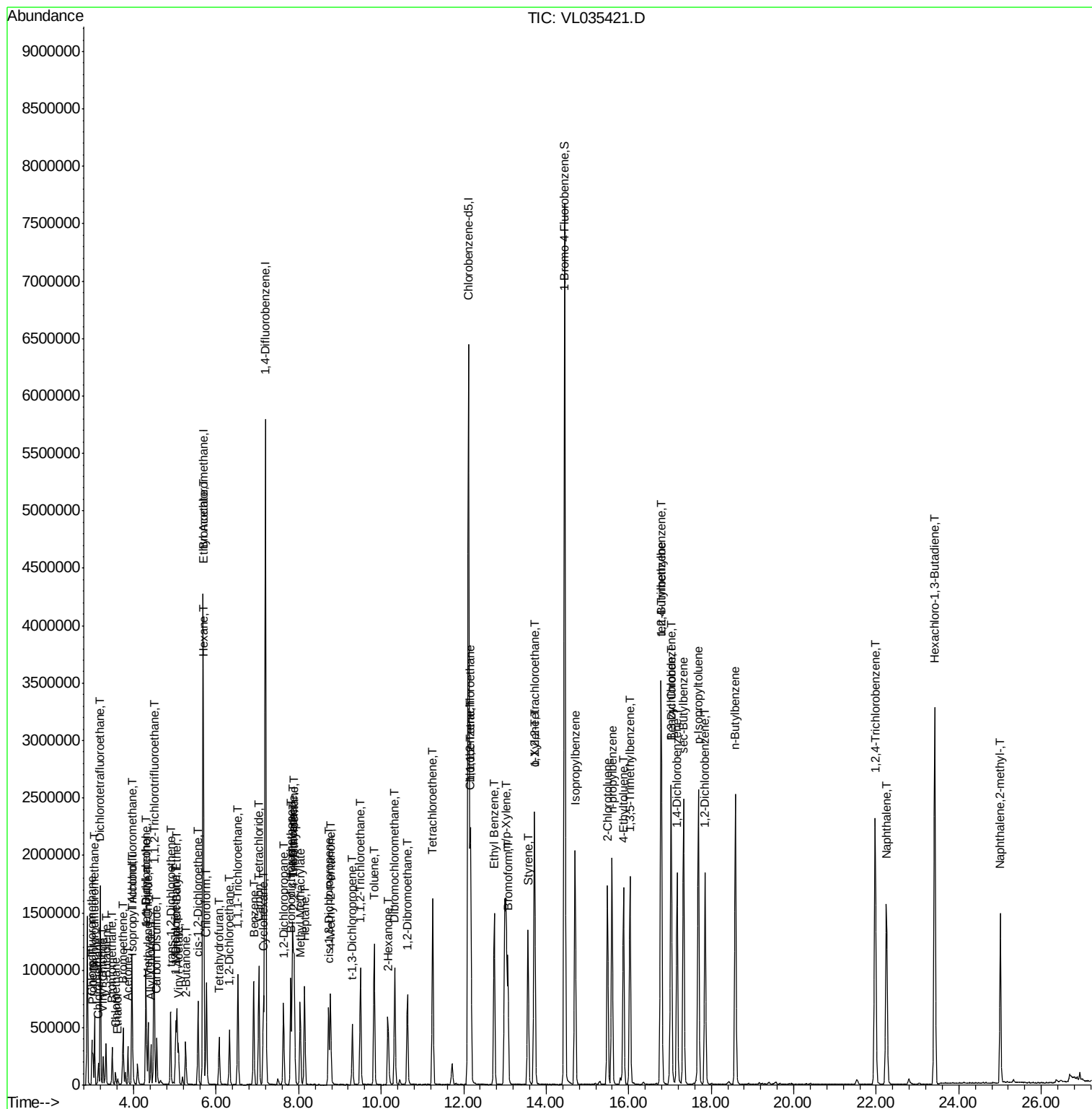
Quant Time: Aug 17 16:09:51 2020

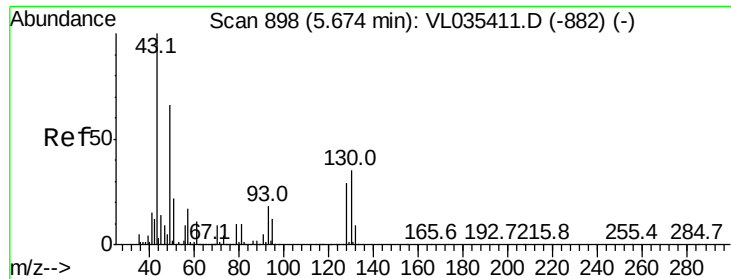
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_L\METHODS\VL081720AIR.M

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.01 min

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Instrument :

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VSTDIC002

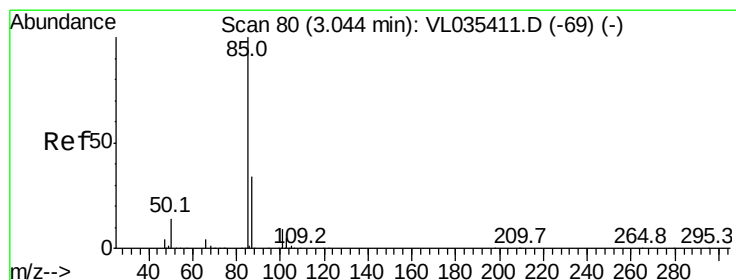
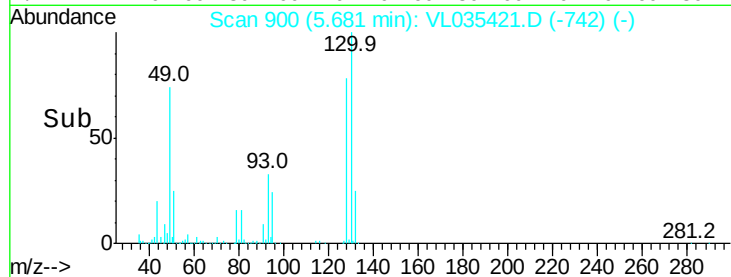
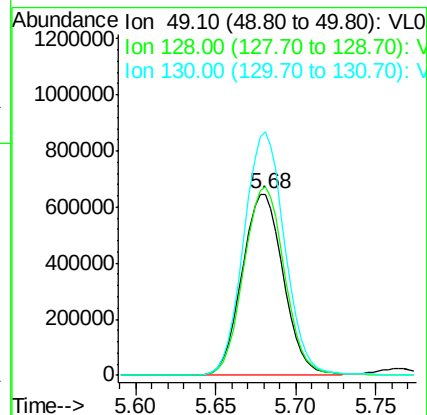
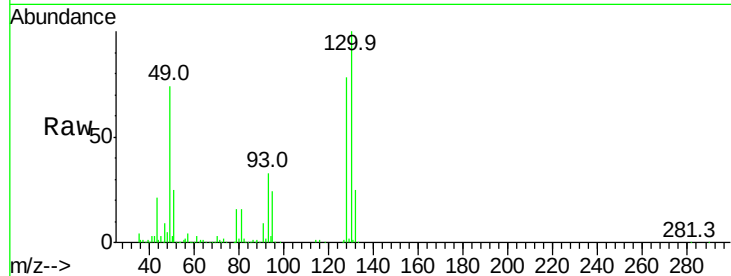
Tgt Ion: 49 Resp: 1141124

Ion Ratio Lower Upper

49 100

128 103.7 20.9 62.7#

130 134.4 26.7 80.1#



#2

Dichlorodifluoromethane

Concen: 2.699 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.01 min

Lab File: VL035421.D

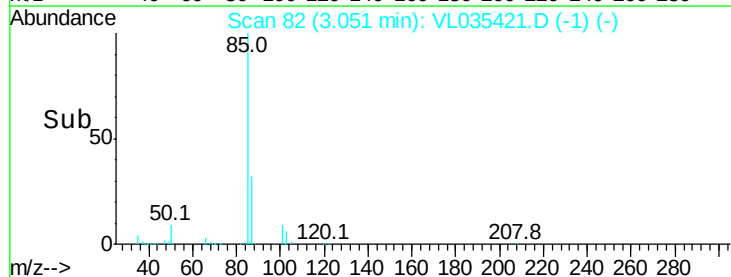
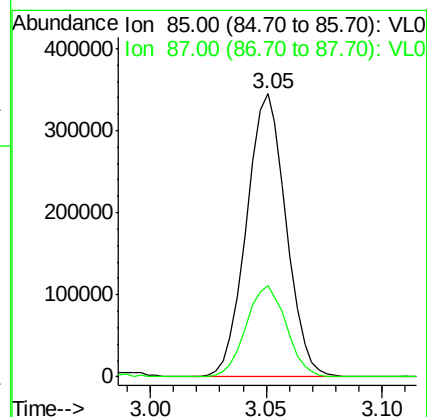
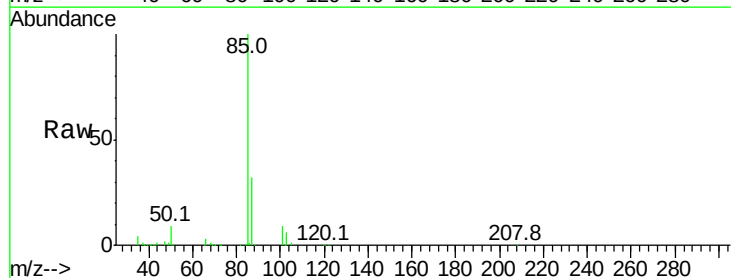
Acq: 17 Aug 2020 14:52

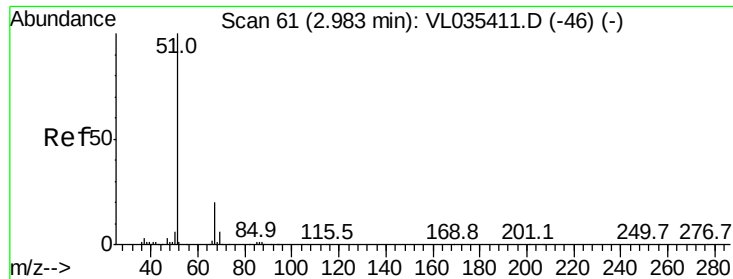
Tgt Ion: 85 Resp: 408959

Ion Ratio Lower Upper

85 100

87 32.1 27.1 40.7

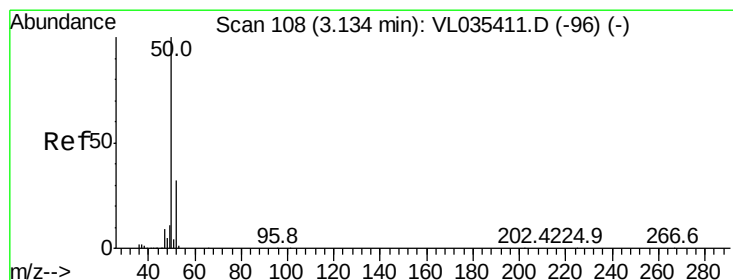
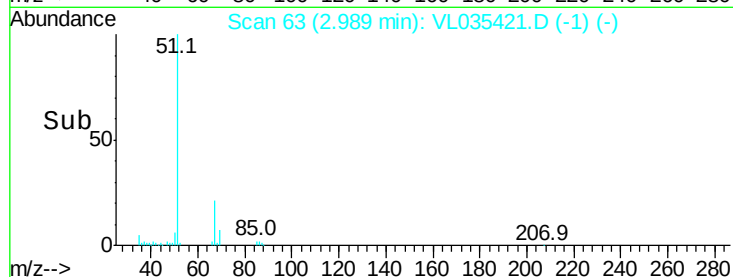
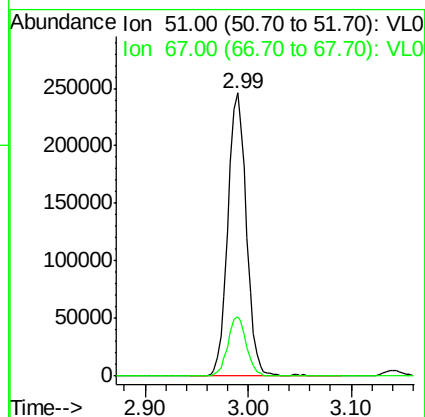
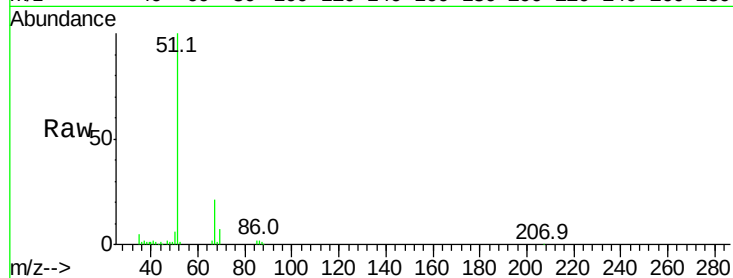




#3
 Chlorodifluoromethane
 Concen: 2.112 ppbv
 RT: 2.99 min Scan# 63
 Delta R.T. 0.01 min
 Lab File: VL035421.D
 Acq: 17 Aug 2020 14:52

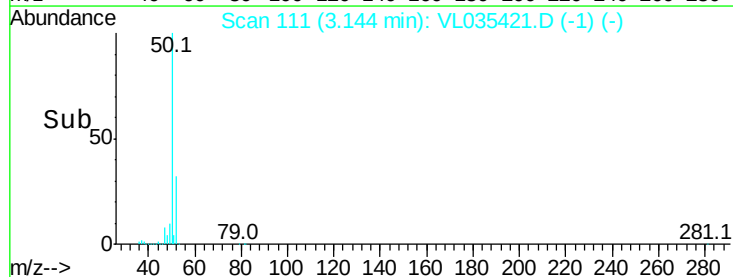
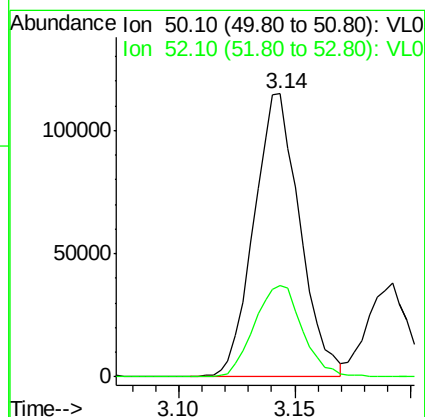
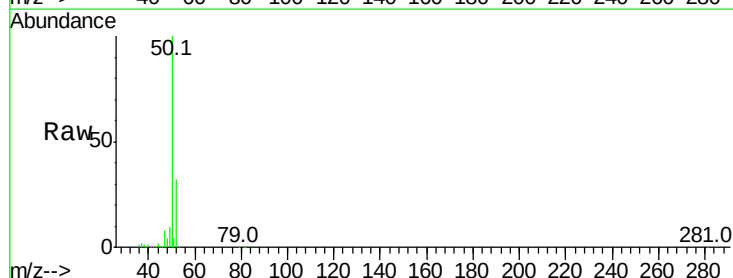
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

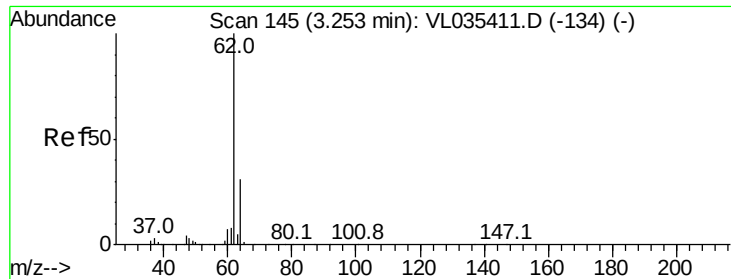
Tgt Ion: 51 Resp: 308850
 Ion Ratio Lower Upper
 51 100
 67 21.1 15.0 22.6



#4
 Chloromethane
 Concen: 2.055 ppbv
 RT: 3.14 min Scan# 111
 Delta R.T. 0.01 min
 Lab File: VL035421.D
 Acq: 17 Aug 2020 14:52

Tgt Ion: 50 Resp: 158278
 Ion Ratio Lower Upper
 50 100
 52 32.2 25.9 38.9





#5

Vinyl Chloride

Concen: 2.402 ppbv

RT: 3.26 min Scan# 147

Delta R.T. 0.01 min

Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

Instrument :

MSVOA_L

ClientSampleId :

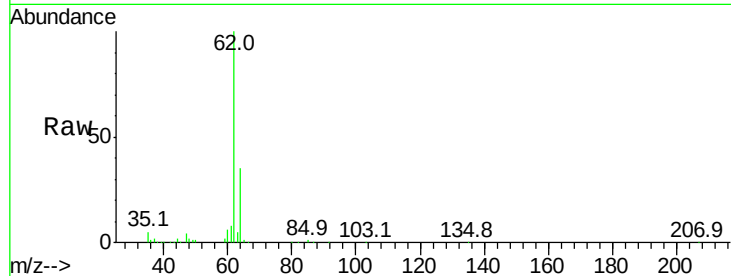
VSTDIC002

Tgt Ion: 62 Resp: 188004

Ion Ratio Lower Upper

62 100

64 34.7 25.0 37.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.26

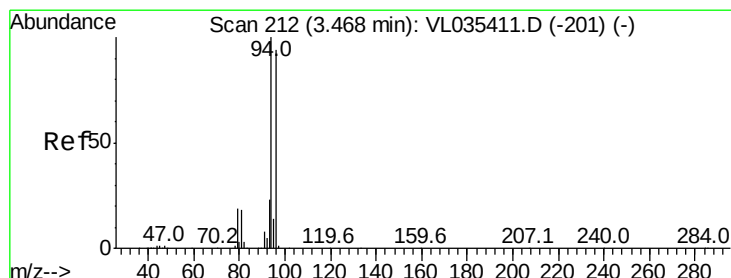
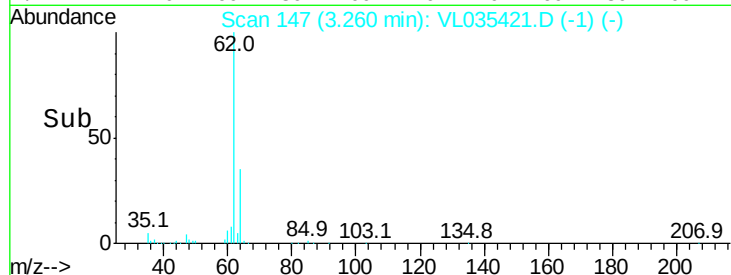
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 3.863 ppbv

RT: 3.48 min Scan# 215

Delta R.T. 0.01 min

Lab File: VL035421.D

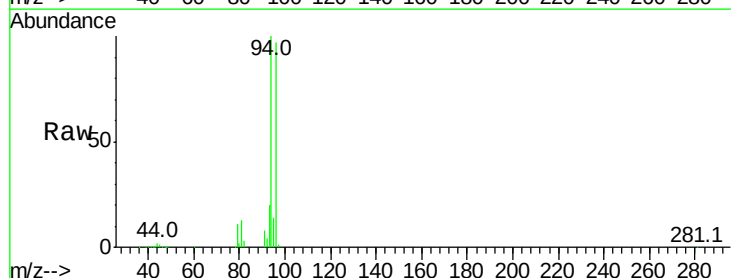
Acq: 17 Aug 2020 14:52

Tgt Ion: 94 Resp: 165796

Ion Ratio Lower Upper

94 100

96 96.4 75.0 112.6



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

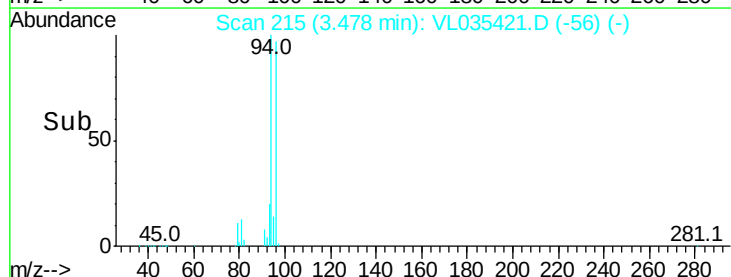
3.48

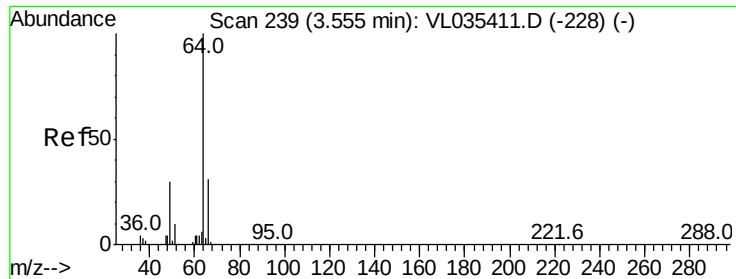
100000

50000

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Time-->





#7

Chloroethane

Concen: 2.662 ppbv

RT: 3.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

Instrument :

MSVOA_L

ClientSampleId :

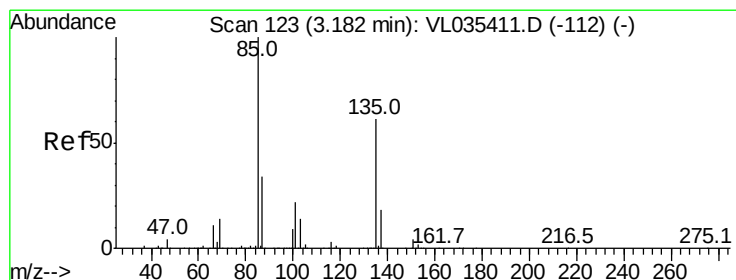
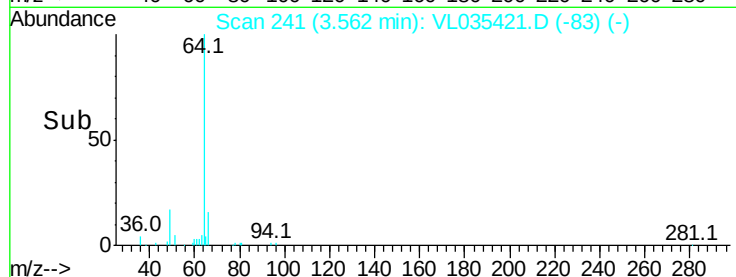
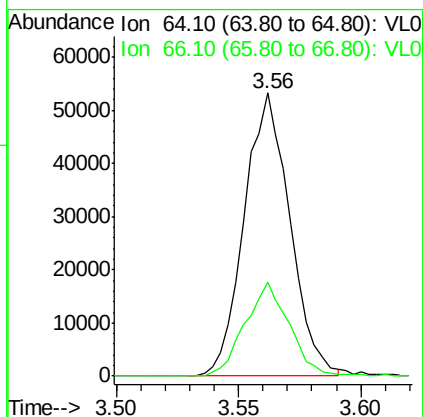
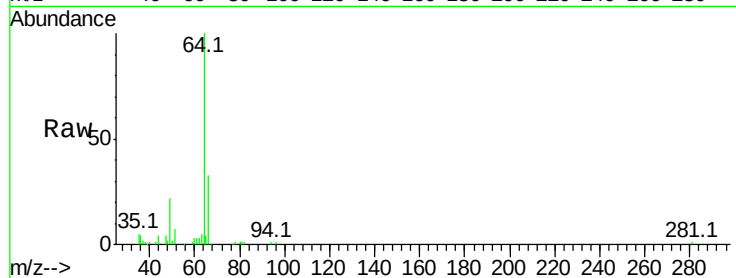
VSTDIC002

Tgt Ion: 64 Resp: 69099

Ion Ratio Lower Upper

64 100

66 33.1 24.5 36.7



#8

Dichlorotetrafluoroethane

Concen: 3.367 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.01 min

Lab File: VL035421.D

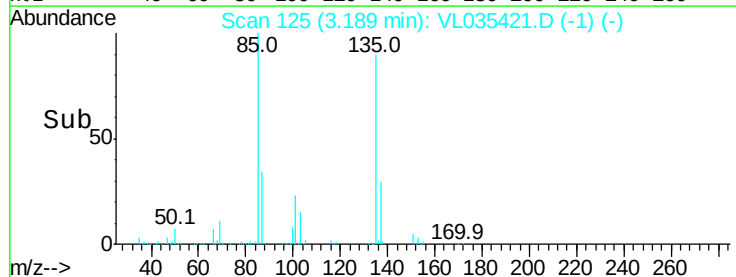
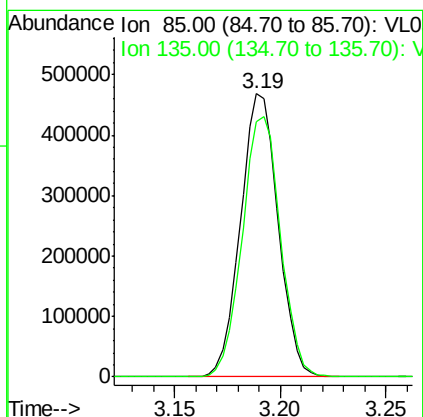
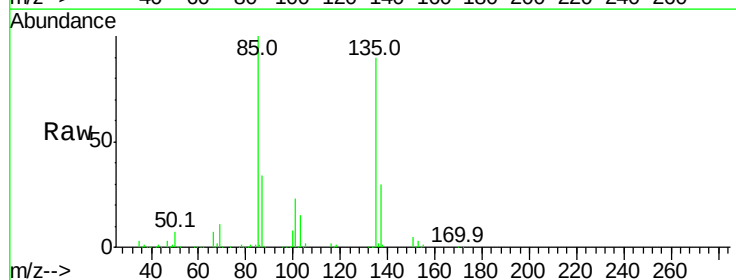
Acq: 17 Aug 2020 14:52

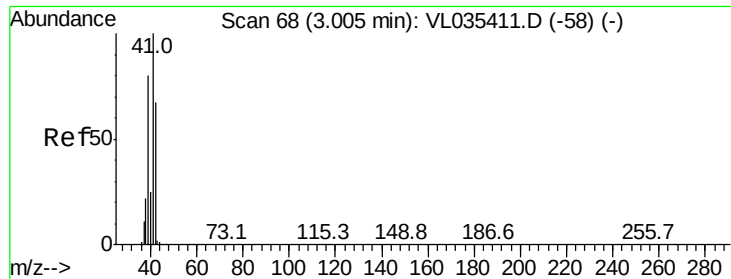
Tgt Ion: 85 Resp: 581578

Ion Ratio Lower Upper

85 100

135 93.7 48.6 72.8#





#9

Propene

Concen: 1.698 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.01 min

Lab File: VL035421.D

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Instrument :

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ClientSampleId :

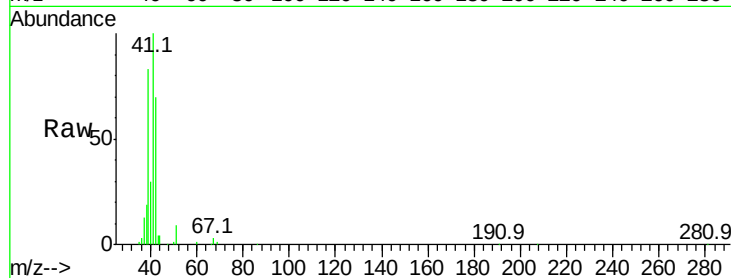
VSTDIC002

Tgt Ion: 41 Resp: 117835

Ion Ratio Lower Upper

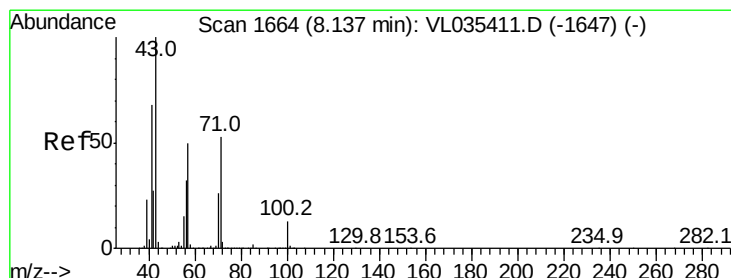
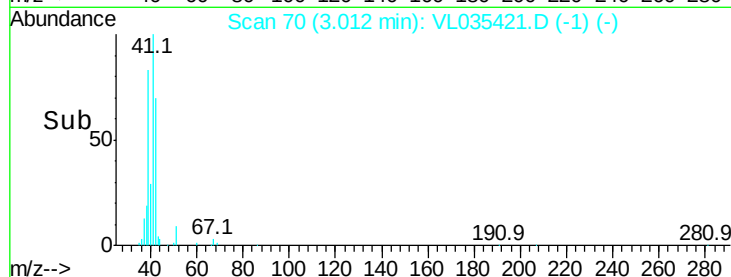
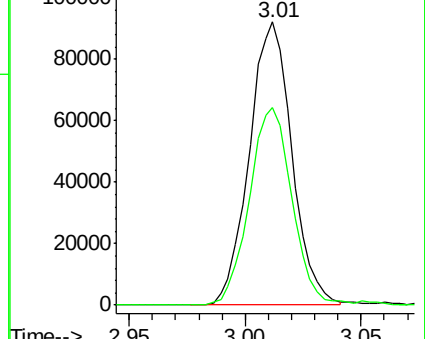
41 100

42 70.5 55.5 83.3



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 1.884 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VL035421.D

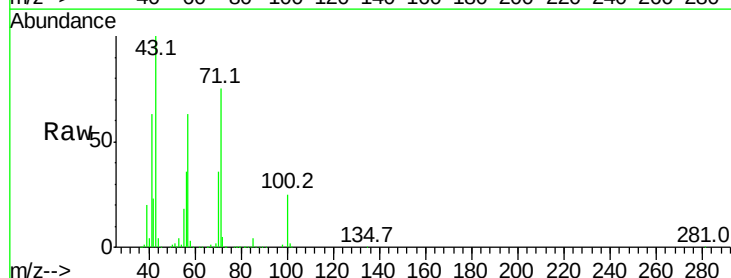
Acq: 17 Aug 2020 14:52

Tgt Ion: 43 Resp: 330403

Ion Ratio Lower Upper

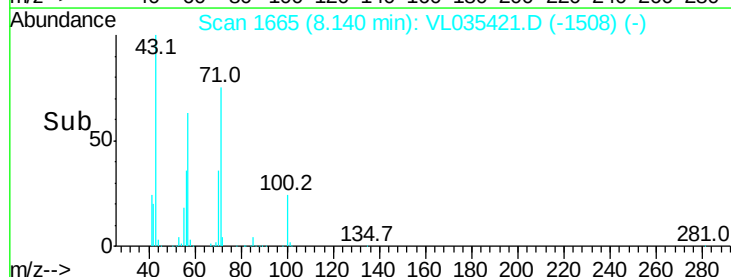
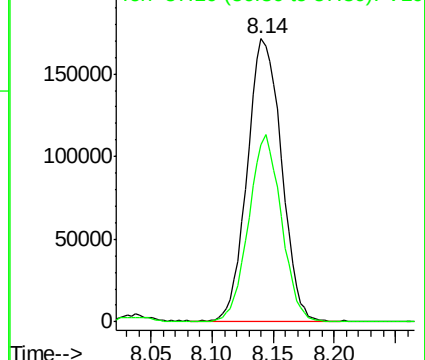
43 100

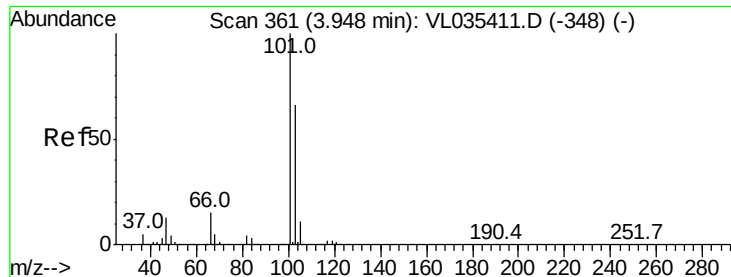
57 63.5 39.8 59.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

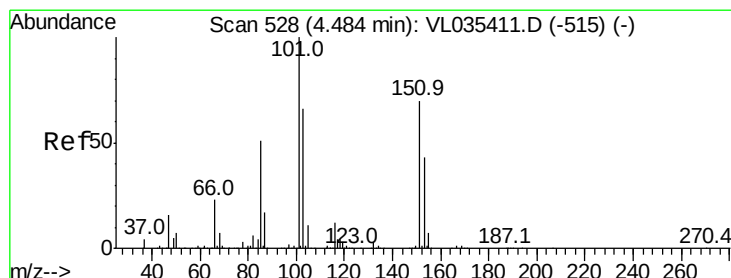
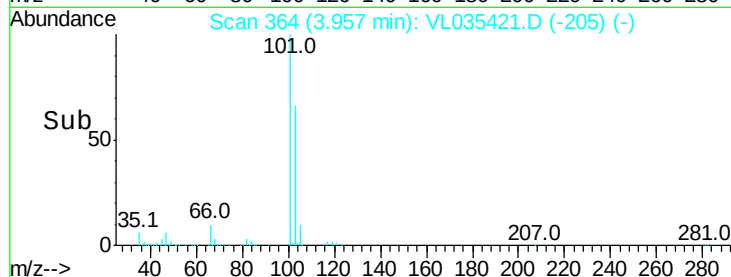
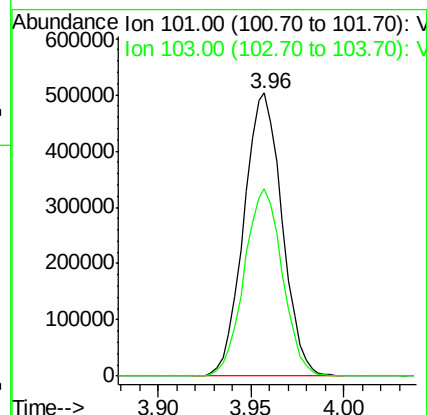
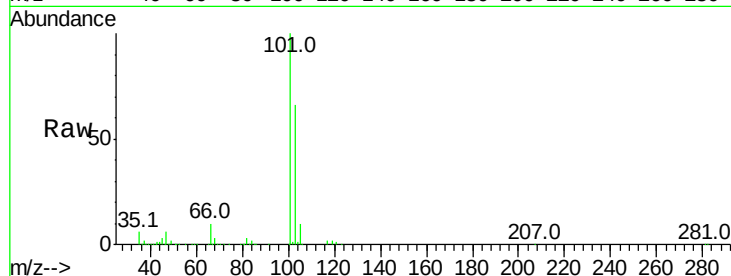




#11
 Trichlorofluoromethane
 Concen: 3.962 ppbv
 RT: 3.96 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VL035421.D
 Acq: 17 Aug 2020 14:52

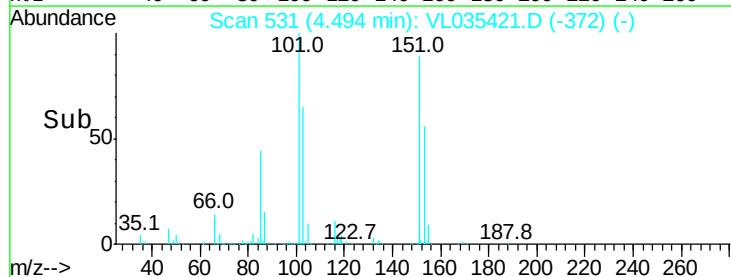
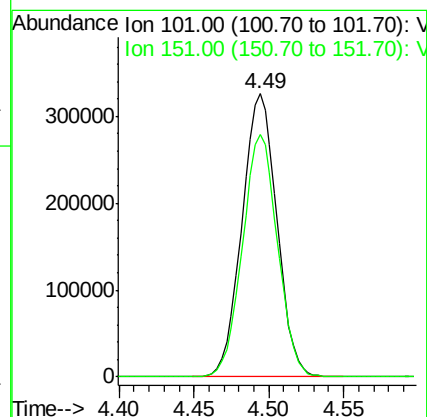
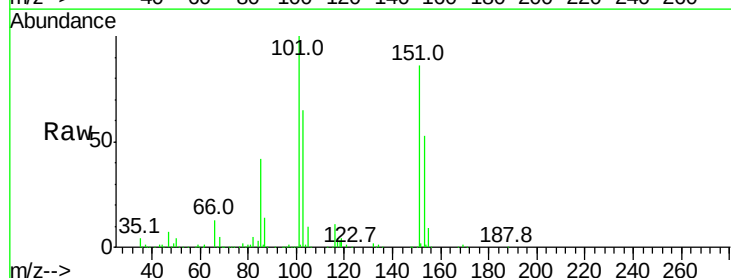
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

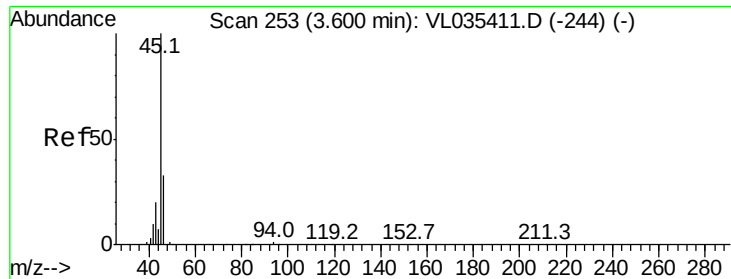
Tgt Ion:101 Resp: 720645
 Ion Ratio Lower Upper
 101 100
 103 66.3 52.6 78.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 4.475 ppbv
 RT: 4.49 min Scan# 531
 Delta R.T. 0.01 min
 Lab File: VL035421.D
 Acq: 17 Aug 2020 14:52

Tgt Ion:101 Resp: 529907
 Ion Ratio Lower Upper
 101 100
 151 86.1 53.6 80.4#

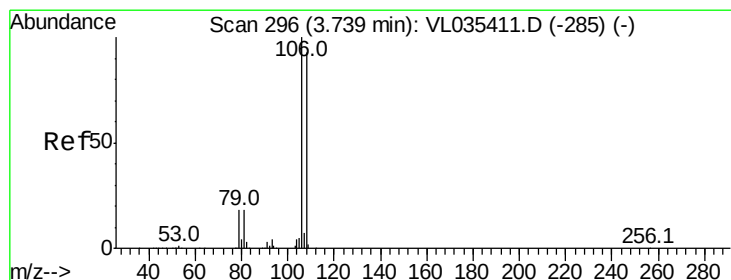
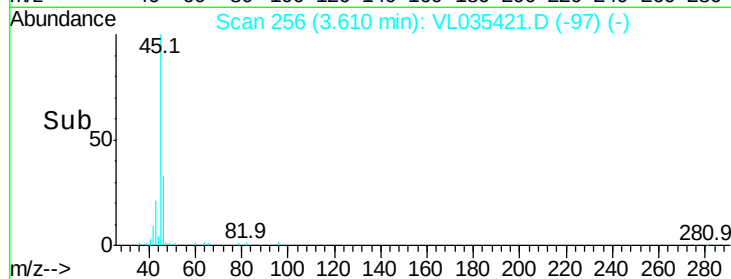
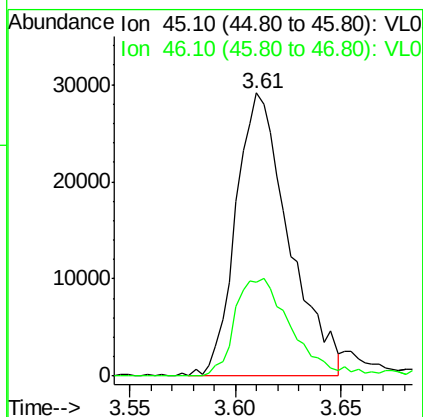
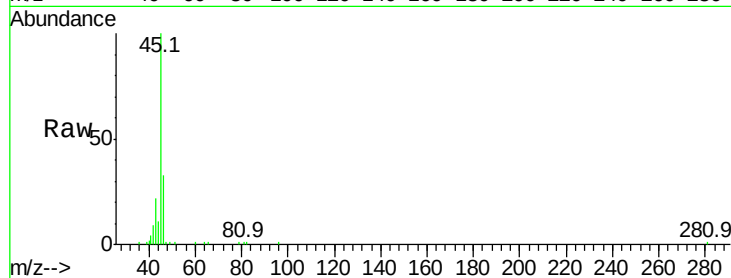




#13
Ethanol
Concen: 2.295 ppbv
RT: 3.61 min Scan# 256
Delta R.T. 0.01 min
Lab File: VL035421.D
Acq: 17 Aug 2020 14:52

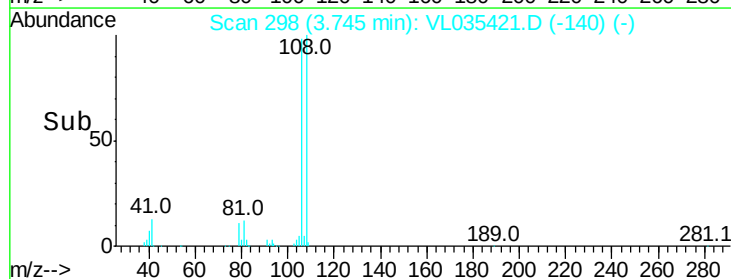
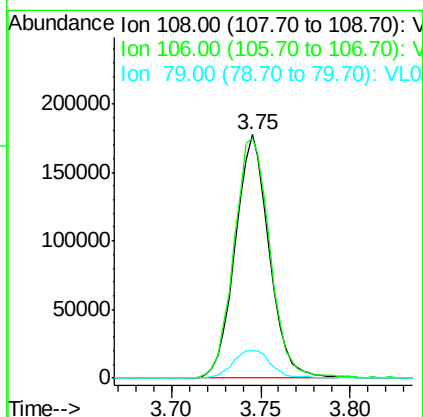
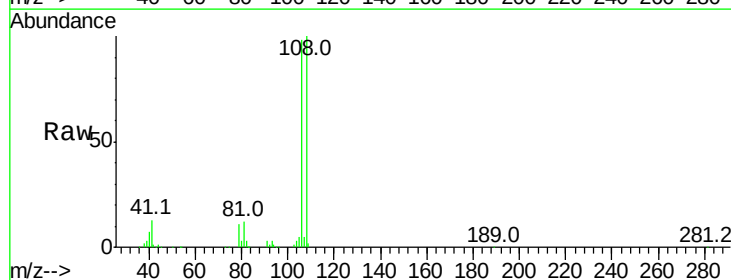
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

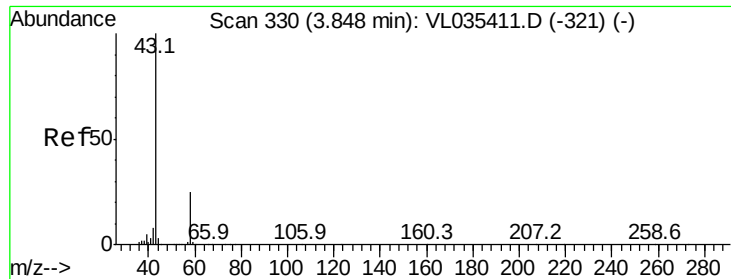
Tgt Ion: 45 Resp: 50860
Ion Ratio Lower Upper
45 100
46 36.5 14.2 56.6



#14
Bromoethene
Concen: 4.540 ppbv
RT: 3.75 min Scan# 298
Delta R.T. 0.01 min
Lab File: VL035421.D
Acq: 17 Aug 2020 14:52

Tgt Ion: 108 Resp: 235919
Ion Ratio Lower Upper
108 100
106 104.7 86.7 130.1
79 13.0 16.8 25.2#





#15

Acetone

Concen: 1.927 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.01 min

Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

Instrument :

MSVOA_L

ClientSampleId :

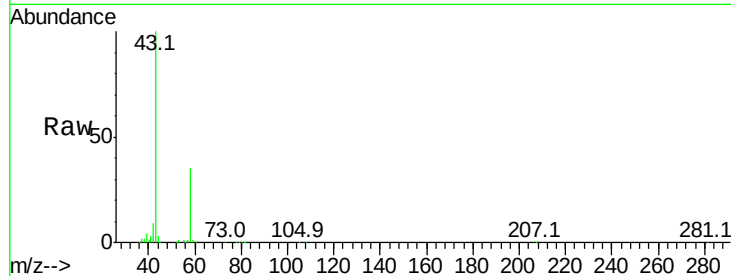
VSTDIC002

Tgt Ion: 43 Resp: 289426

Ion Ratio Lower Upper

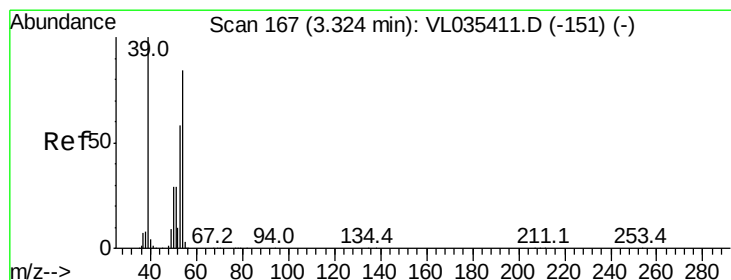
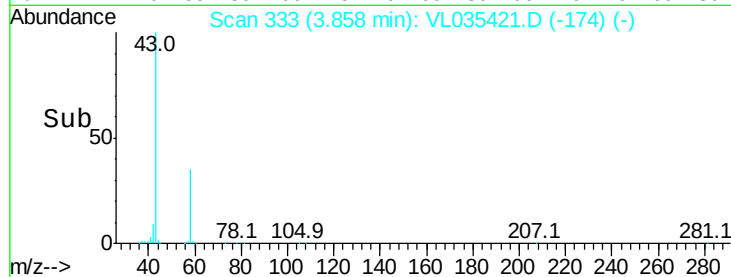
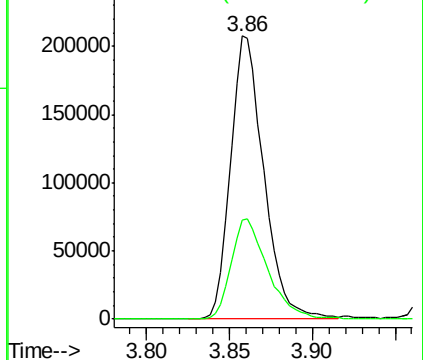
43 100

58 39.0 21.0 31.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 1.708 ppbv

RT: 3.33 min Scan# 169

Delta R.T. 0.01 min

Lab File: VL035421.D

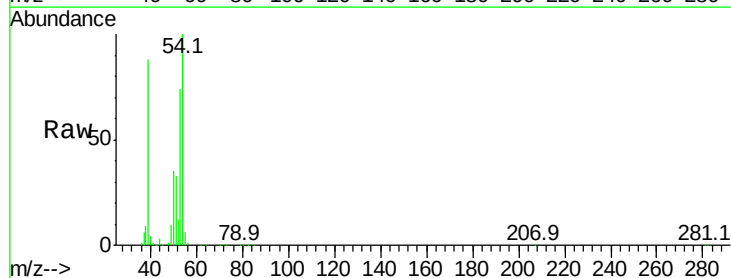
Acq: 17 Aug 2020 14:52

Tgt Ion: 39 Resp: 117470

Ion Ratio Lower Upper

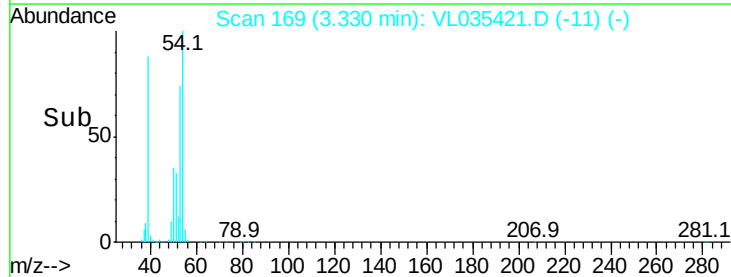
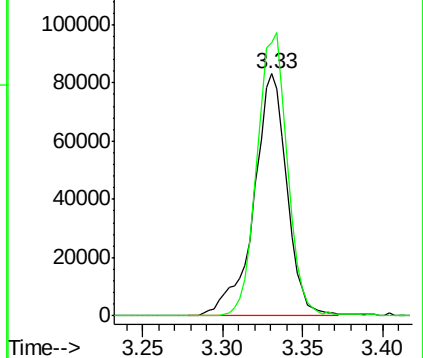
39 100

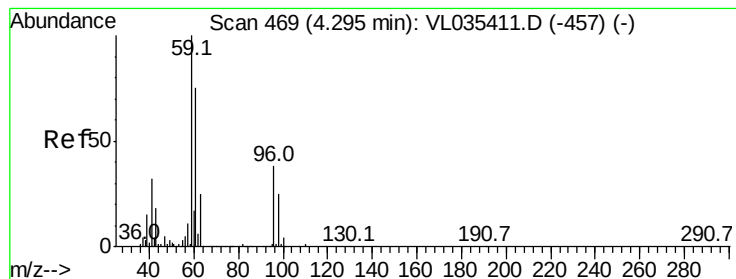
54 108.0 64.4 96.6#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0



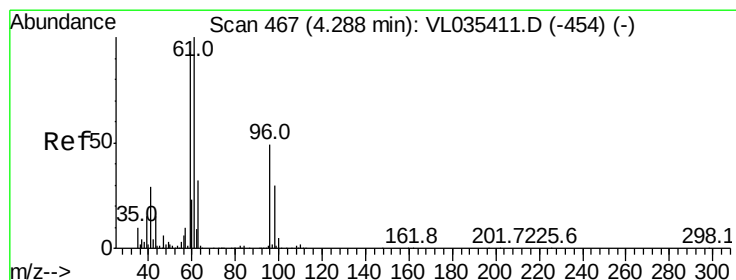
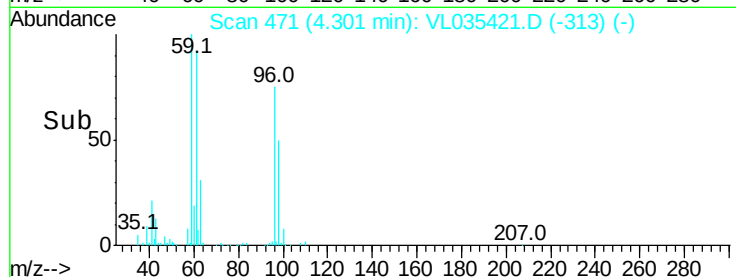
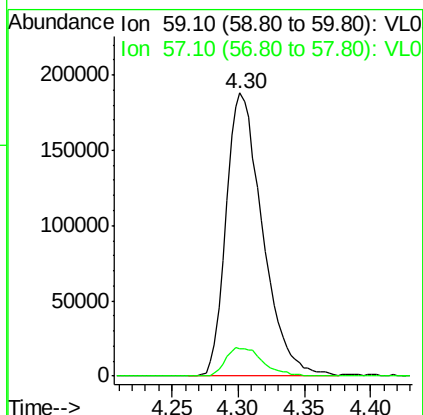
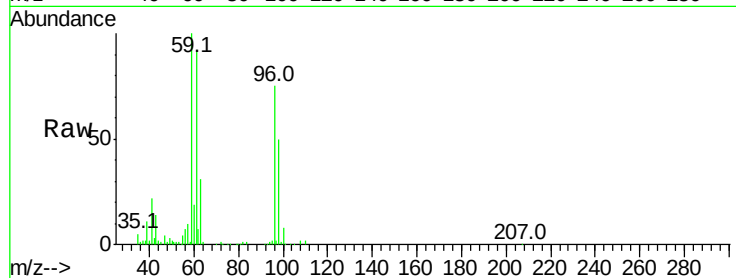


#17

tert-Butyl alcohol
Concen: 2.523 ppbv
RT: 4.30 min Scan# 471
Delta R.T. 0.01 min
Lab File: VL035421.D
Acq: 17 Aug 2020 14:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

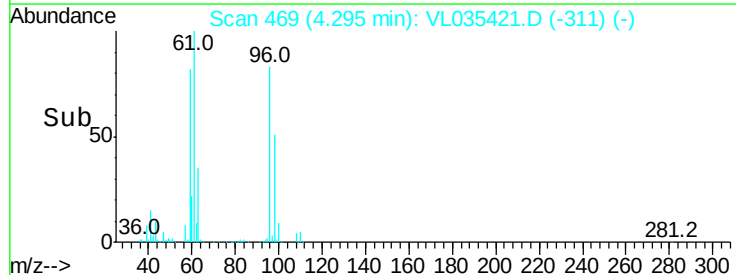
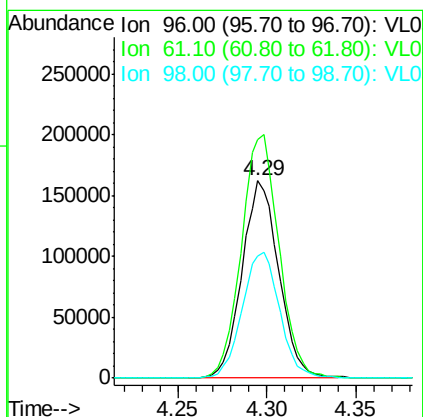
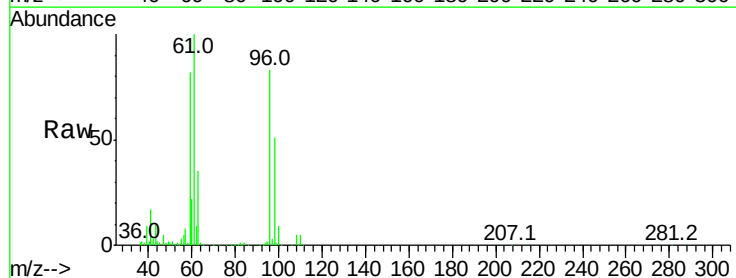
Tgt Ion: 59 Resp: 359584
Ion Ratio Lower Upper
59 100
57 10.3 8.9 13.3

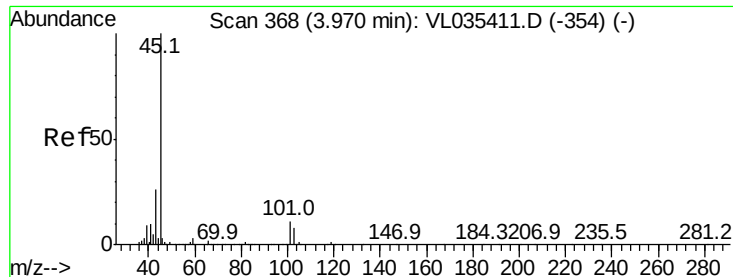


#18

1,1-Dichloroethene
Concen: 4.397 ppbv
RT: 4.29 min Scan# 469
Delta R.T. 0.01 min
Lab File: VL035421.D
Acq: 17 Aug 2020 14:52

Tgt Ion: 96 Resp: 233959
Ion Ratio Lower Upper
96 100
61 120.8 161.8 242.6#
98 61.8 49.3 73.9





#19

Isopropyl Alcohol

Concen: 1.815 ppbv

RT: 3.98 min Scan# 370

Delta R.T. 0.01 min

Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

Instrument :

MSVOA_L

ClientSampleId :

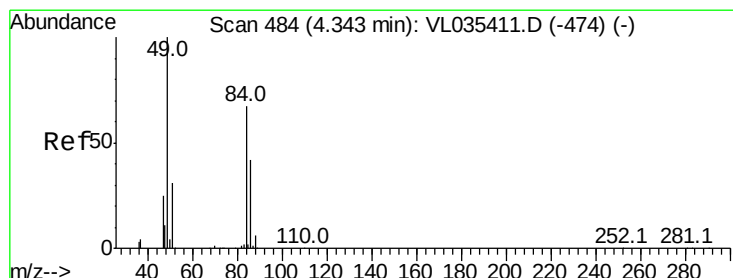
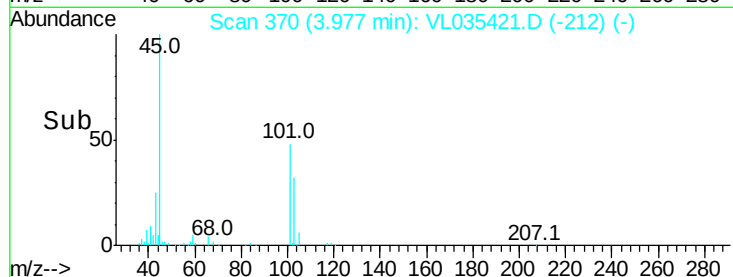
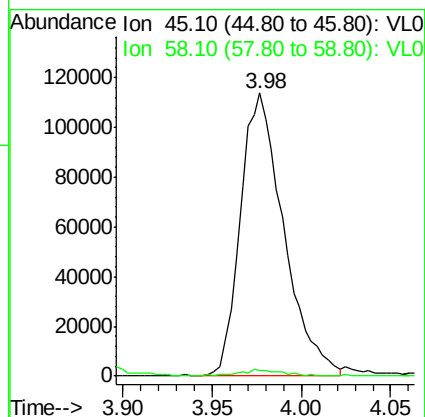
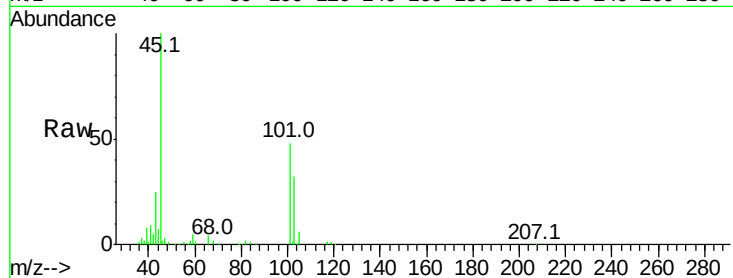
VSTDIC002

Tgt Ion: 45 Resp: 192227

Ion Ratio Lower Upper

45 100

58 2.7 1.0 1.6#



#20

Methylene Chloride

Concen: 4.117 ppbv

RT: 4.35 min Scan# 487

Delta R.T. 0.01 min

Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

Tgt Ion: 84 Resp: 229330

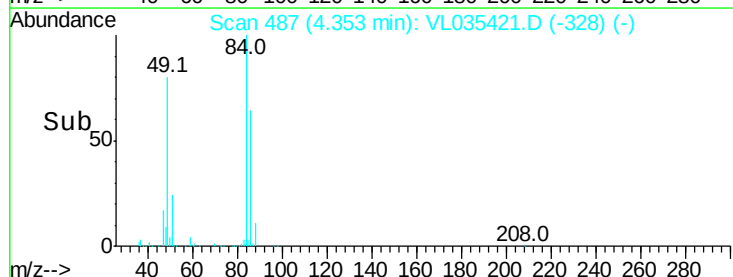
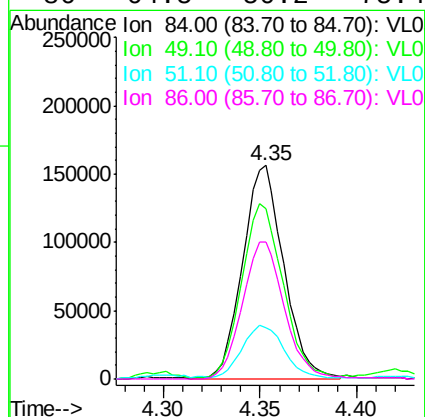
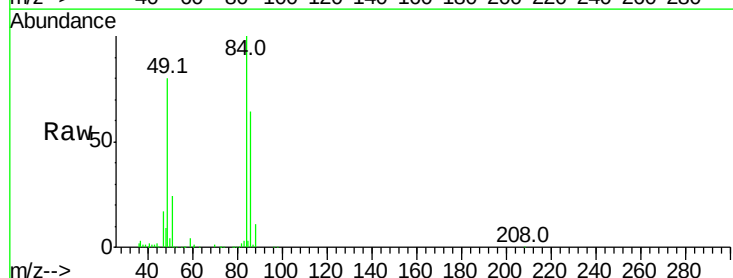
Ion Ratio Lower Upper

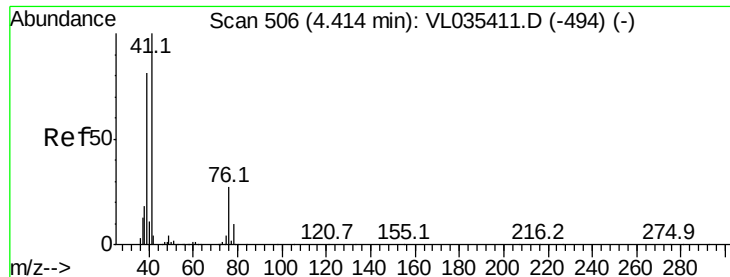
84 100

49 78.8 118.6 177.8#

51 23.6 36.4 54.6#

86 64.5 50.2 75.4





#21

Allyl Chloride

Concen: 1.602 ppbv

RT: 4.42 min Scan# 508

Delta R.T. 0.01 min

Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

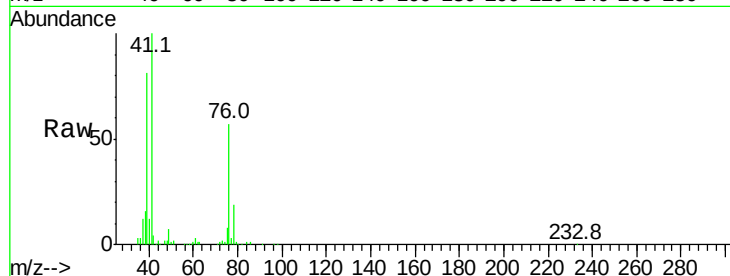
Tgt Ion: 41 Resp: 140608

Ion Ratio Lower Upper

41 100

76 58.7 22.8 34.2#

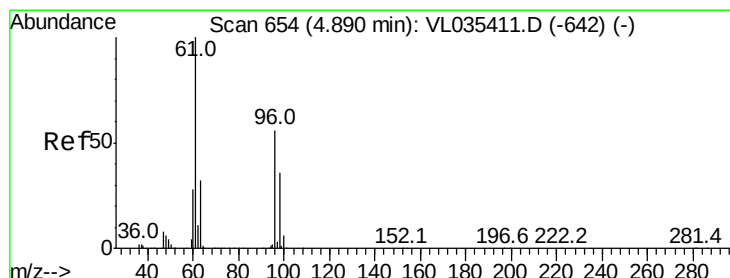
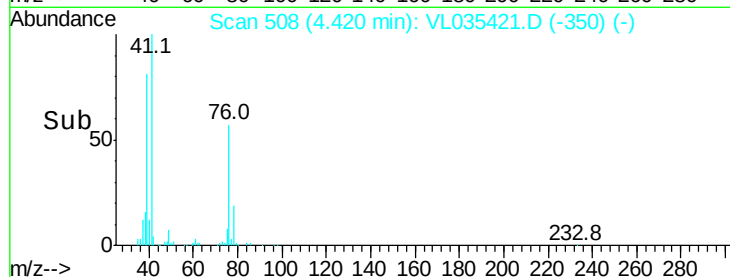
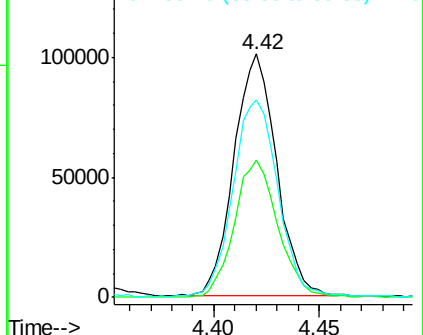
39 88.3 66.2 99.2



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 4.673 ppbv

RT: 4.90 min Scan# 656

Delta R.T. 0.01 min

Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

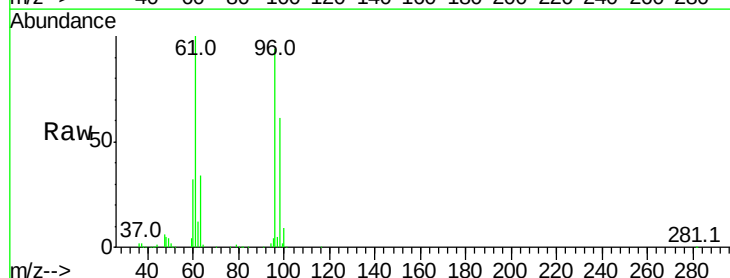
Tgt Ion: 96 Resp: 247691

Ion Ratio Lower Upper

96 100

61 106.7 142.2 213.2#

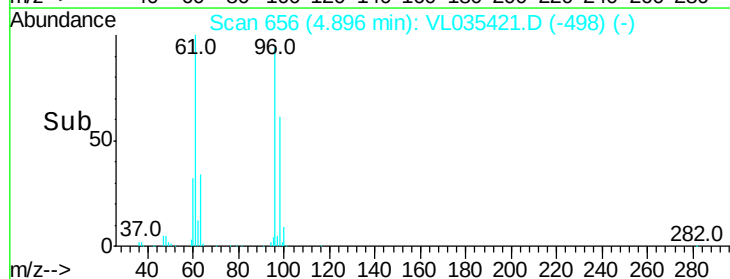
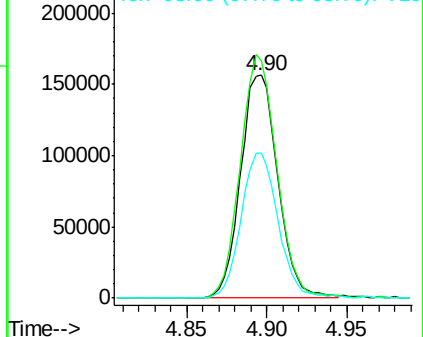
98 64.9 51.8 77.8

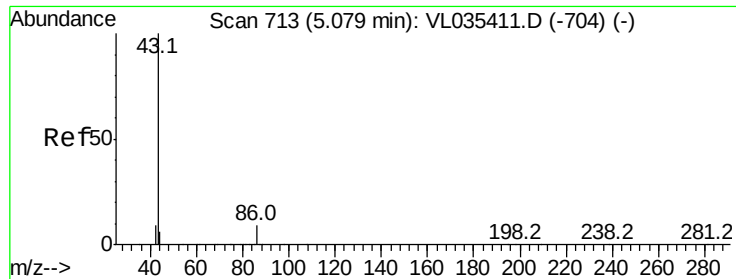


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 1.844 ppbv

RT: 5.08 min Scan# 714

Delta R.T. 0.00 min

Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 43 Resp: 405945

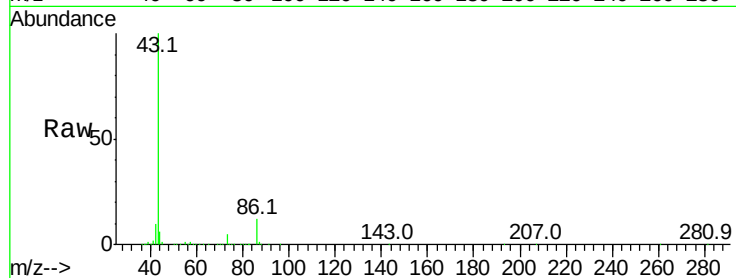
Ion Ratio Lower Upper

43 100

86 11.8 6.5 9.7#

42 9.7 8.3 12.5

44 5.4 4.0 6.0

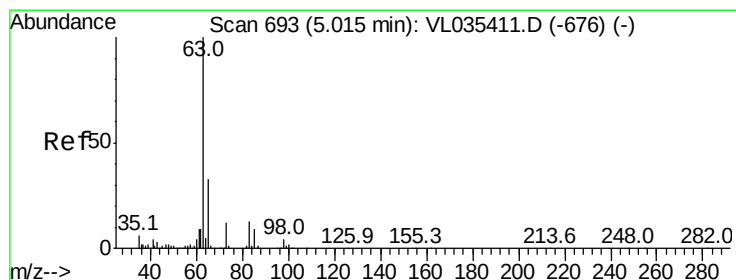
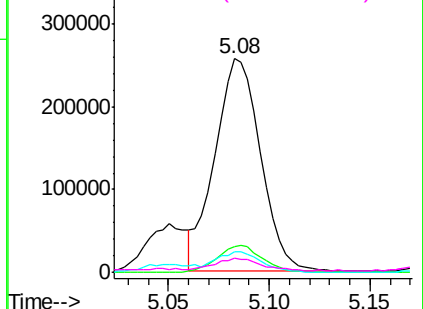
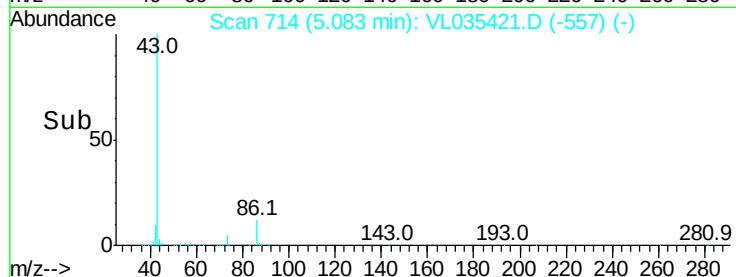


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 2.616 ppbv

RT: 5.02 min Scan# 694

Delta R.T. 0.00 min

Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

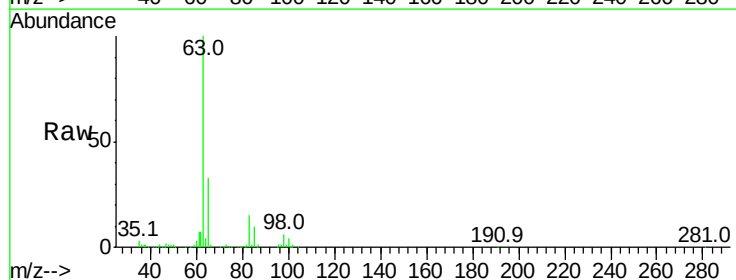
Tgt Ion: 63 Resp: 410482

Ion Ratio Lower Upper

63 100

98 6.1 2.1 6.5

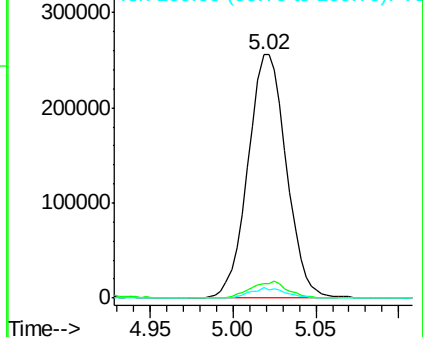
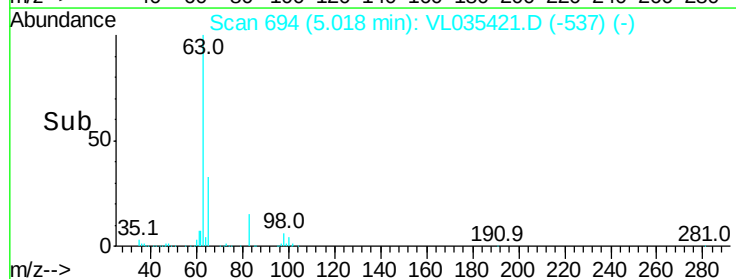
100 4.2 1.3 3.8#

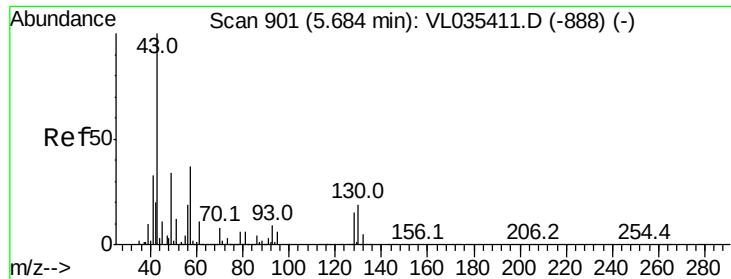


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 1.871 ppbv

RT: 5.69 min Scan# 904

Delta R.T. 0.01 min

Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

Instrument :

MSVOA_L

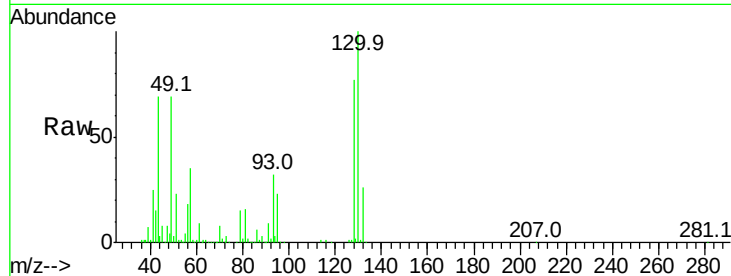
ClientSampleId :

VSTDIC002

Tgt Ion: 43 Resp: 562538

Ion Ratio Lower Upper

43	100		
45	10.4	8.3	12.5
61	12.6	7.6	11.4#
70	11.0	6.0	9.0#

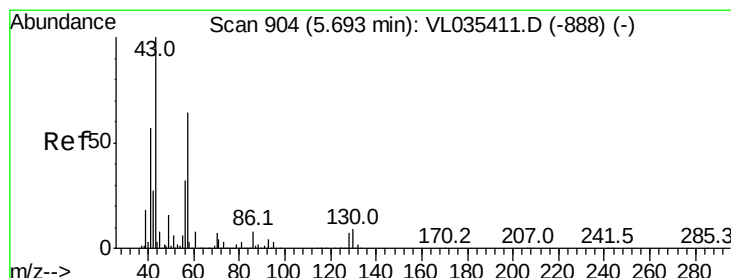
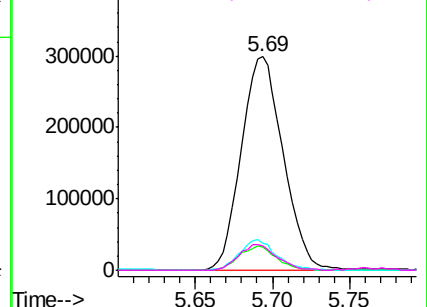
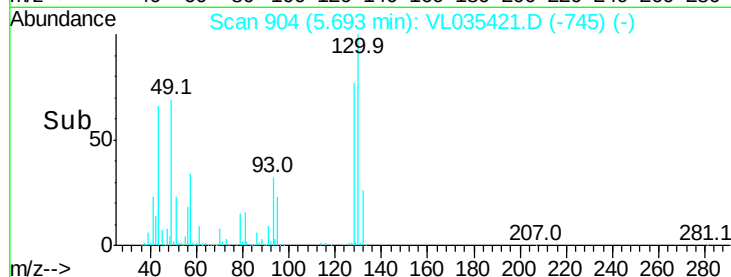


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 2.414 ppbv

RT: 5.70 min Scan# 906

Delta R.T. 0.01 min

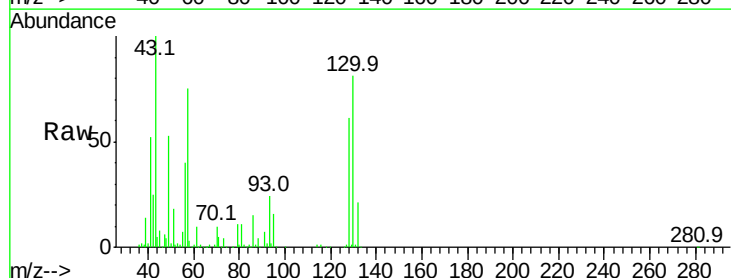
Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

Tgt Ion: 57 Resp: 315442

Ion Ratio Lower Upper

57	100		
41	71.7	75.5	113.3#
43	179.2	181.7	272.5#
56	53.3	42.4	63.6

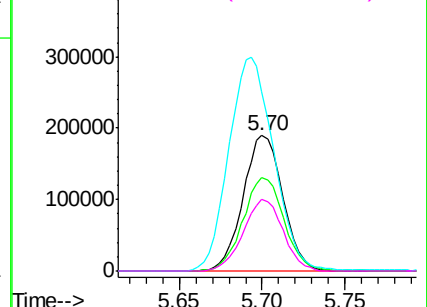
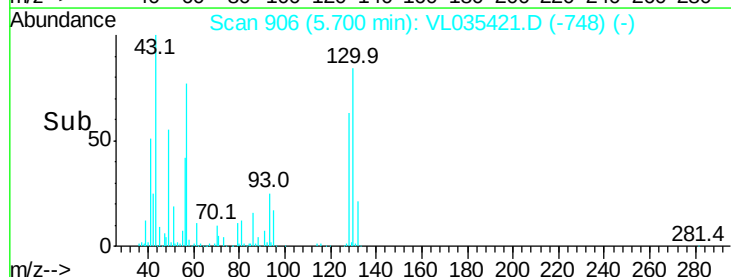


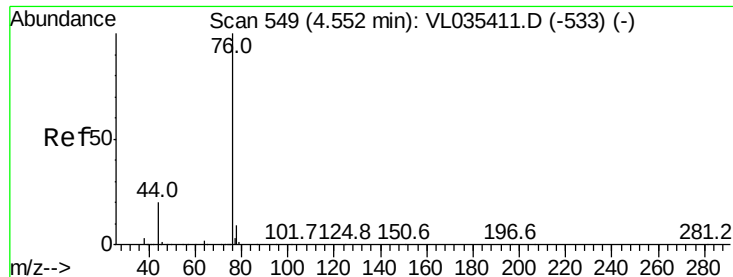
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 3.583 ppbv

RT: 4.56 min Scan# 551

Delta R.T. 0.01 min

Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

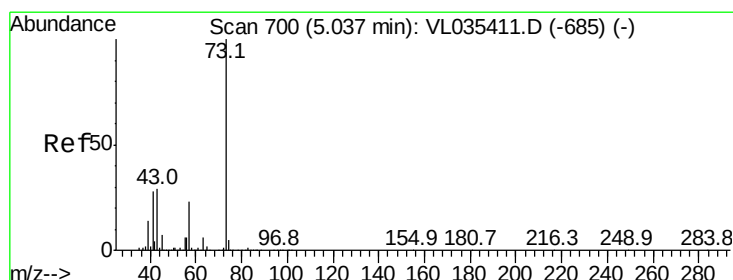
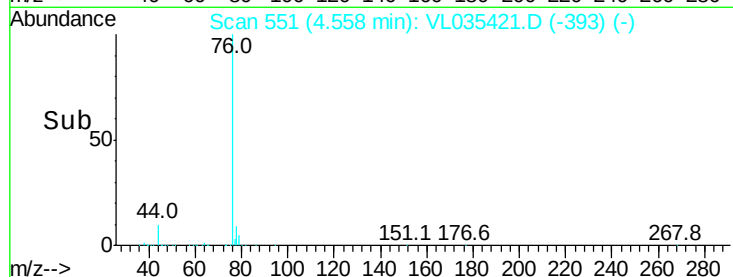
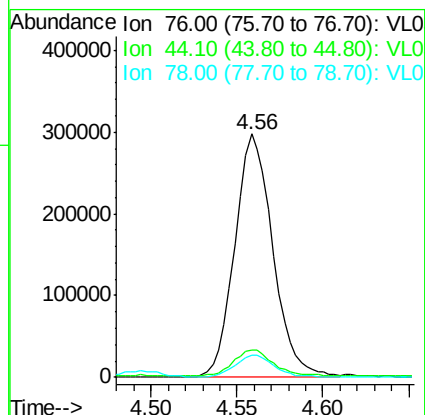
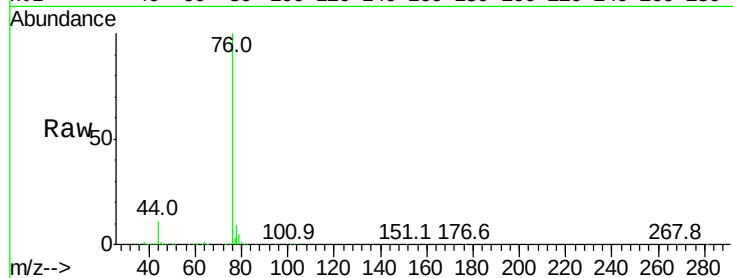
Tgt Ion: 76 Resp: 455800

Ion Ratio Lower Upper

76 100

44 12.3 16.8 25.2#

78 9.7 7.3 10.9



#28

Methyl tert-Butyl Ether

Concen: 2.846 ppbv

RT: 5.05 min Scan# 704

Delta R.T. 0.01 min

Lab File: VL035421.D

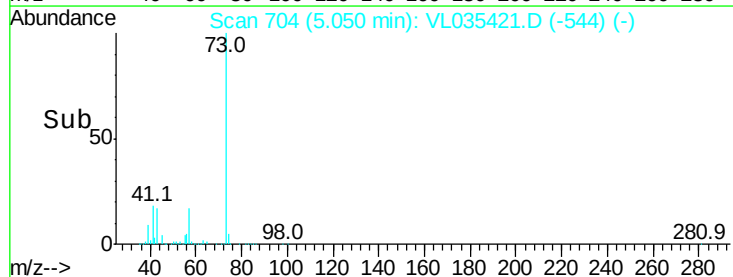
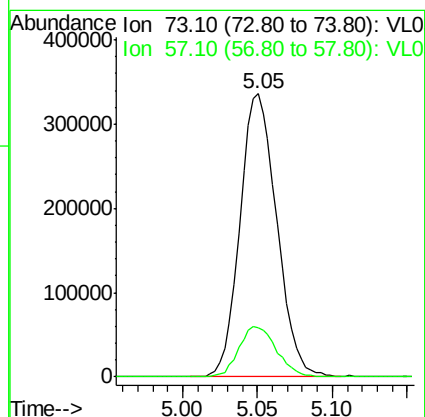
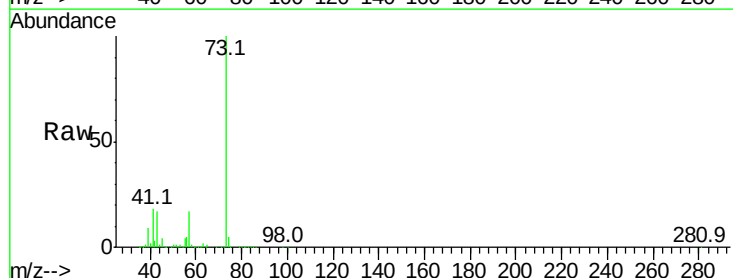
Acq: 17 Aug 2020 14:52

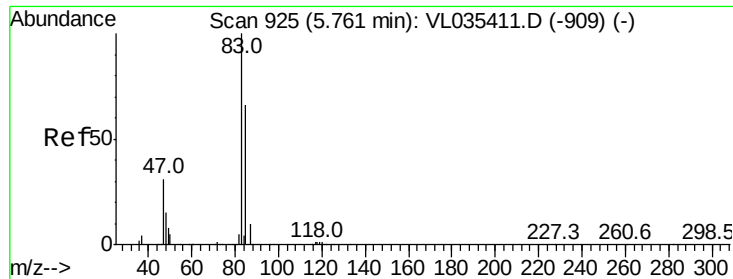
Tgt Ion: 73 Resp: 573898

Ion Ratio Lower Upper

73 100

57 18.3 18.3 27.5#

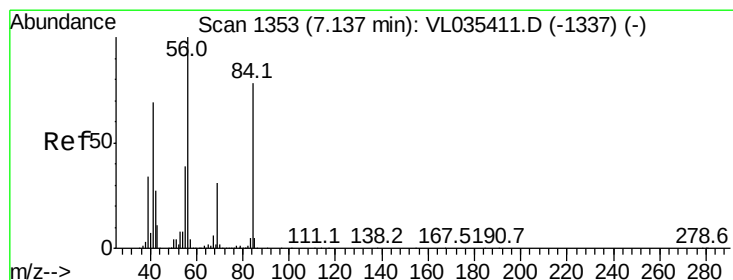
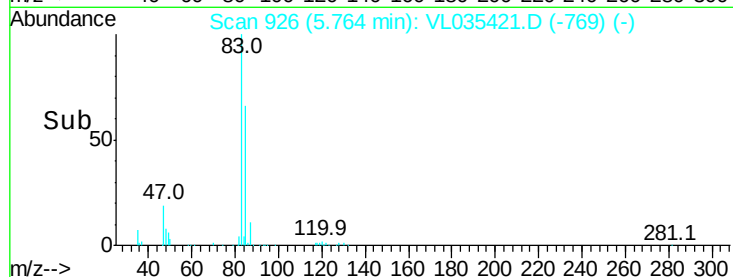
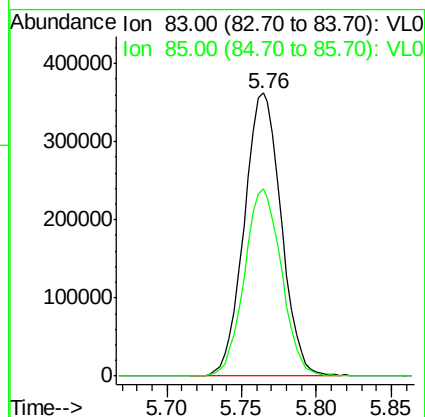
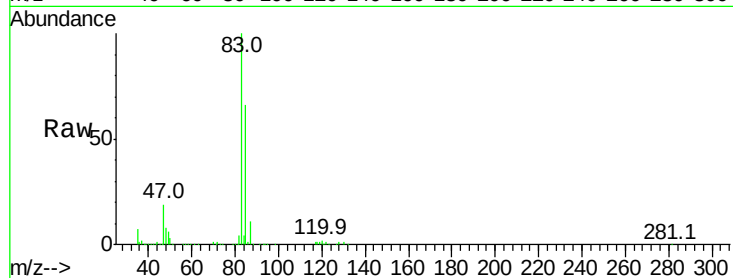




#29
Chloroform
Concen: 3.104 ppbv
RT: 5.76 min Scan# 926
Delta R.T. 0.00 min
Lab File: VL035421.D
Acq: 17 Aug 2020 14:52

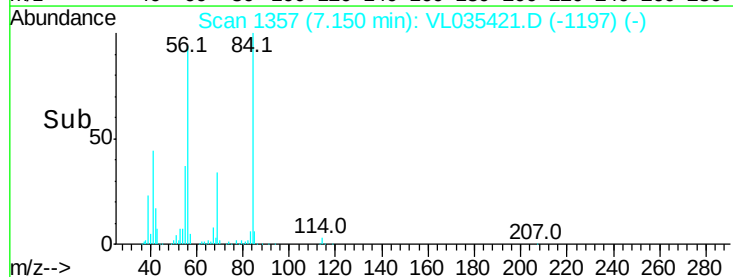
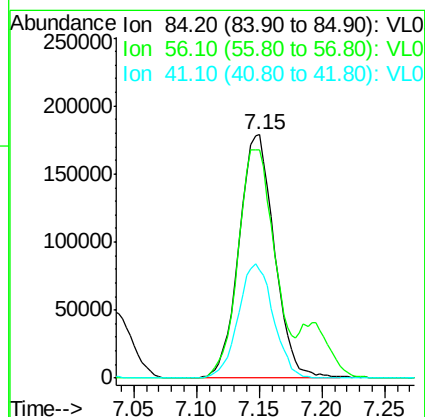
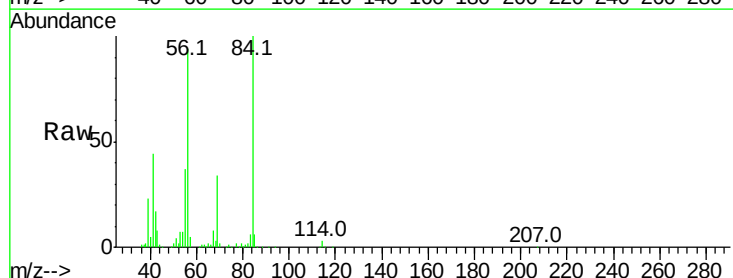
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

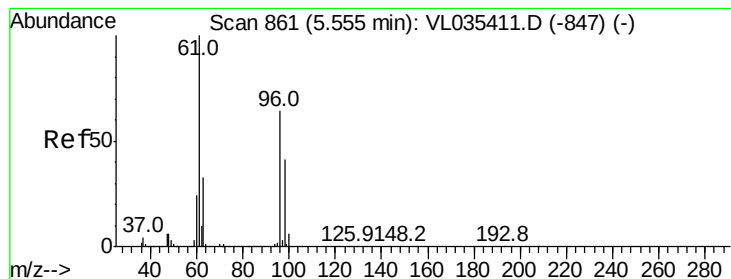
Tgt Ion: 83 Resp: 622879
Ion Ratio Lower Upper
83 100
85 66.3 52.7 79.1



#30
Cyclohexane
Concen: 3.379 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. 0.01 min
Lab File: VL035421.D
Acq: 17 Aug 2020 14:52

Tgt Ion: 84 Resp: 350518
Ion Ratio Lower Upper
84 100
56 116.5 114.9 172.3
41 46.8 72.3 108.5#





#31

cis-1,2-Dichloroethene

Concen: 2.447 ppbv

RT: 5.56 min Scan# 863

Delta R.T. 0.01 min

Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

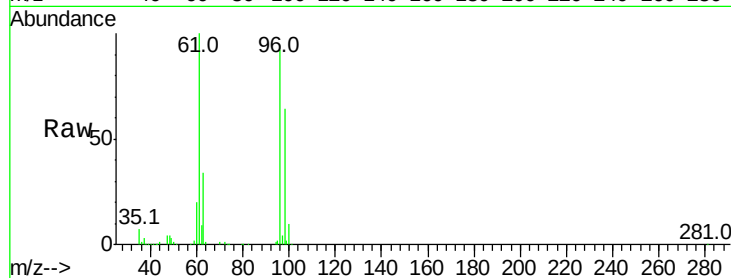
Tgt Ion: 61 Resp: 325665

Ion Ratio Lower Upper

61 100

96 91.8 51.4 77.0#

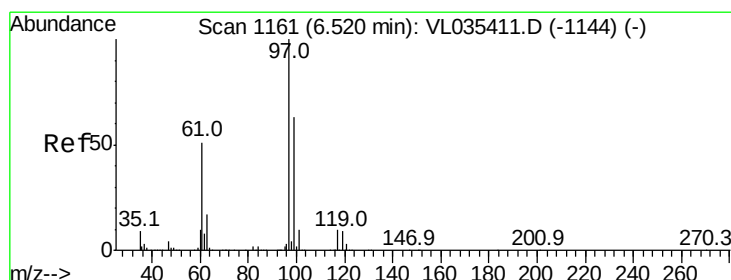
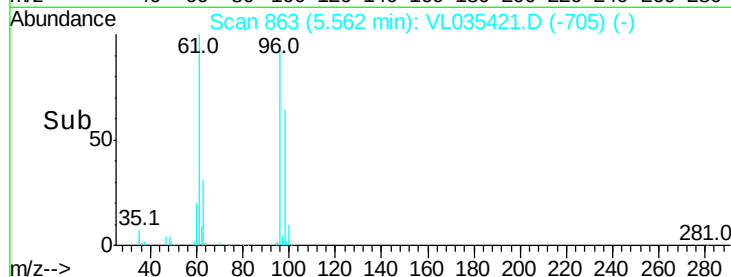
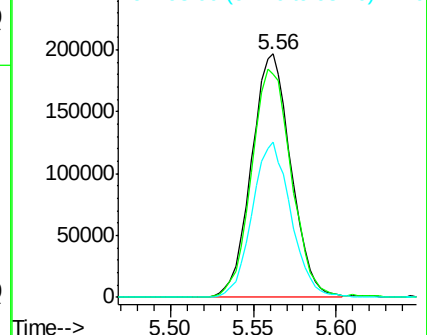
98 63.6 32.9 49.3#



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: 3.056 ppbv

RT: 6.53 min Scan# 1163

Delta R.T. 0.01 min

Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

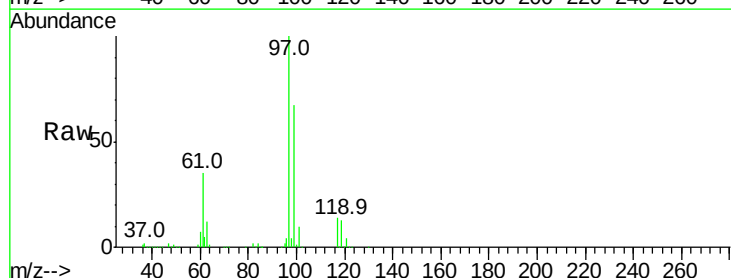
Tgt Ion: 97 Resp: 611442

Ion Ratio Lower Upper

97 100

99 65.7 51.4 77.0

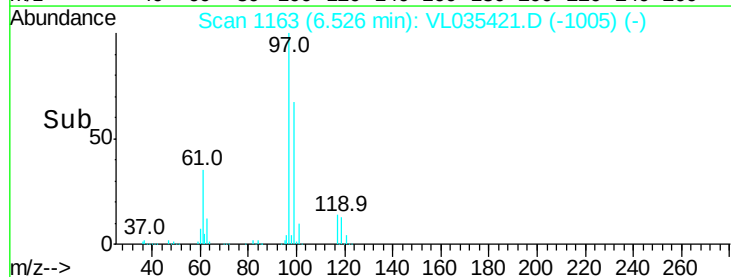
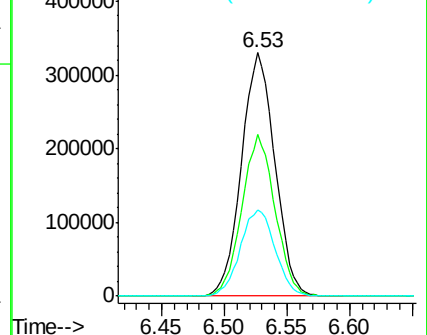
61 36.9 41.0 61.6#

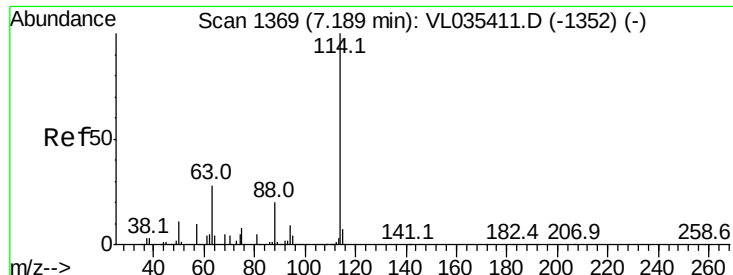


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

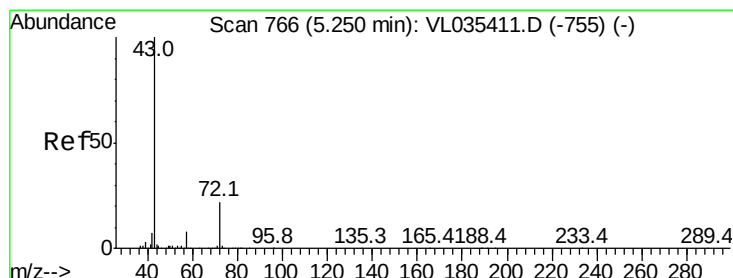
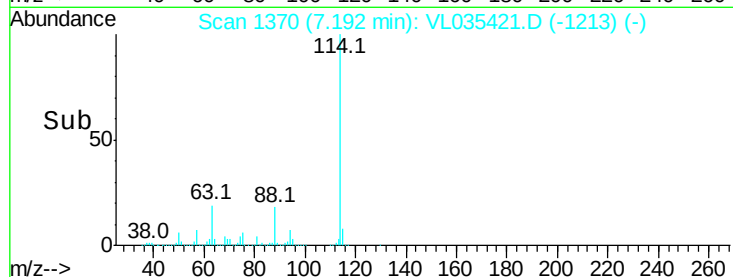
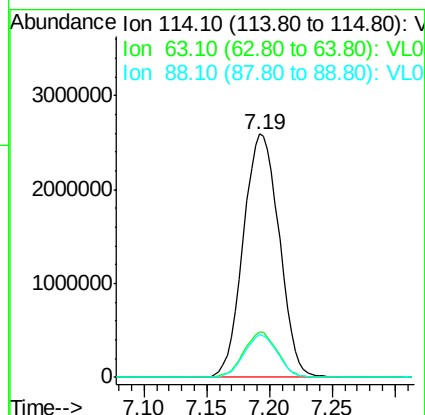
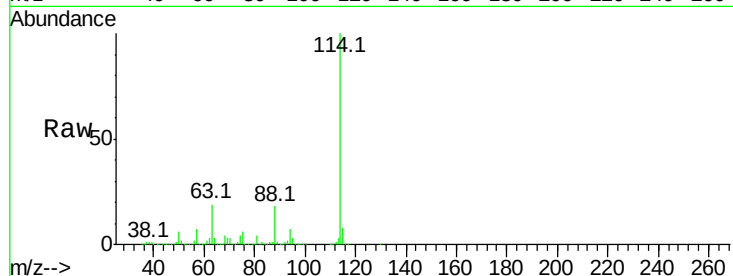




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. 0.00 min
 Lab File: VL035421.D
 Acq: 17 Aug 2020 14:52

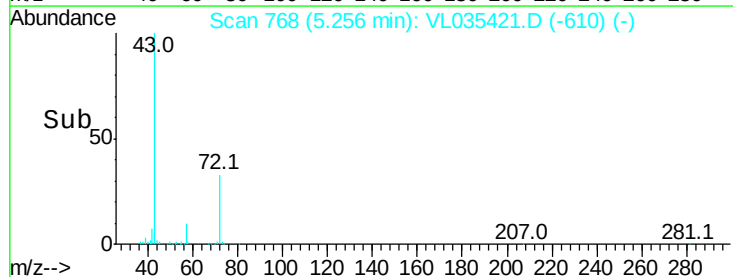
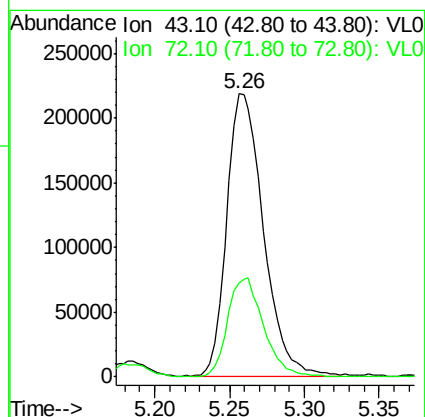
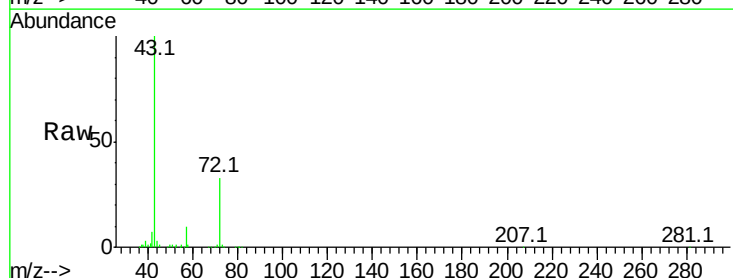
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

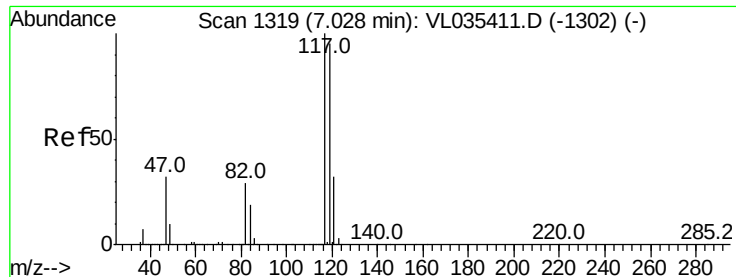
Tgt Ion:114 Resp: 5162308
 Ion Ratio Lower Upper
 114 100
 63 17.5 23.1 34.7#
 88 16.4 15.9 23.9



#34
 2-Butanone
 Concen: 0.934 ppbv
 RT: 5.26 min Scan# 768
 Delta R.T. 0.01 min
 Lab File: VL035421.D
 Acq: 17 Aug 2020 14:52

Tgt Ion: 43 Resp: 371856
 Ion Ratio Lower Upper
 43 100
 72 34.9 17.6 26.4#





#35

Carbon Tetrachloride

Concen: 1.655 ppbv

RT: 7.04 min Scan# 1322

Delta R.T. 0.01 min

Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

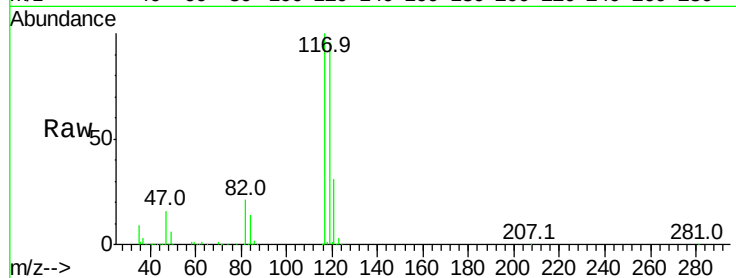
Tgt Ion: 117 Resp: 634588

Ion Ratio Lower Upper

117 100

119 96.3 76.1 114.1

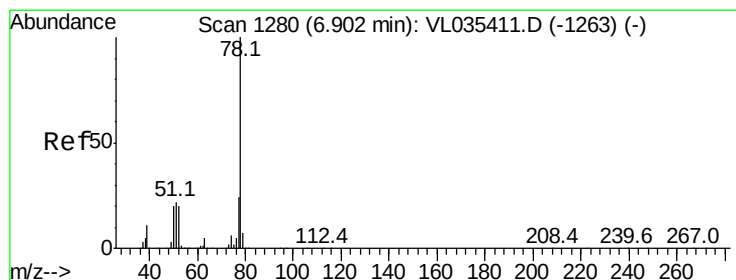
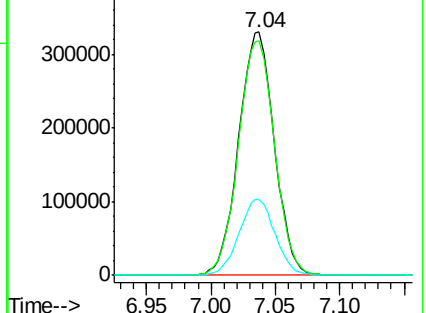
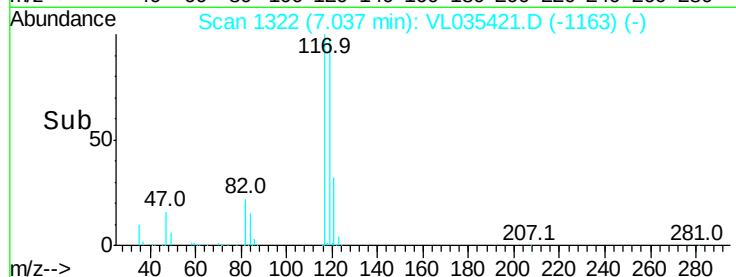
121 31.4 25.5 38.3



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: 1.591 ppbv

RT: 6.91 min Scan# 1282

Delta R.T. 0.01 min

Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

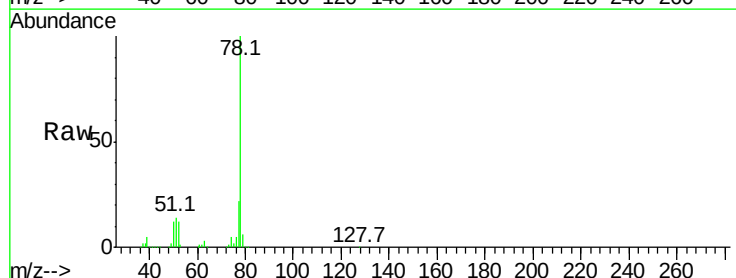
Tgt Ion: 78 Resp: 833512

Ion Ratio Lower Upper

78 100

77 21.7 19.6 29.4

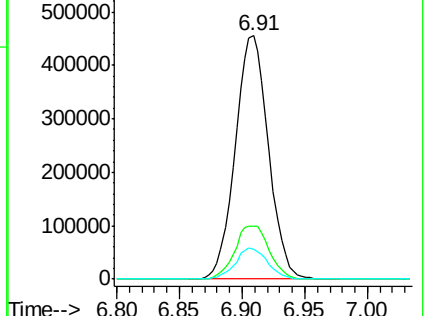
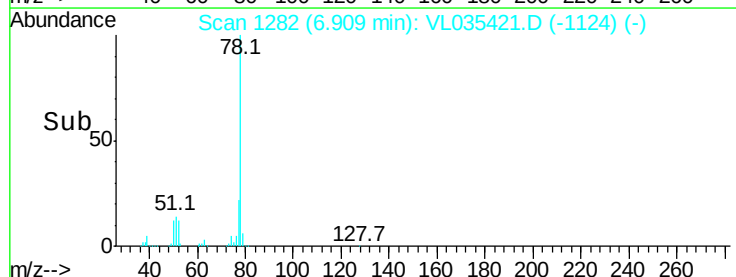
50 12.1 16.3 24.5#

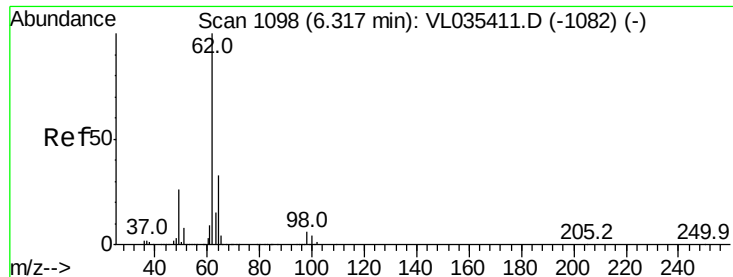


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

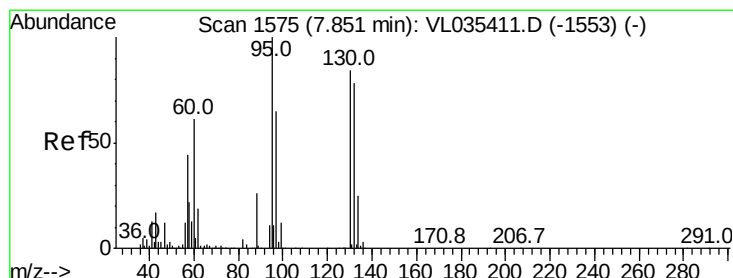
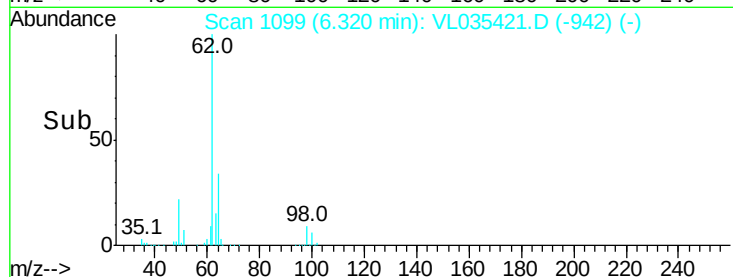
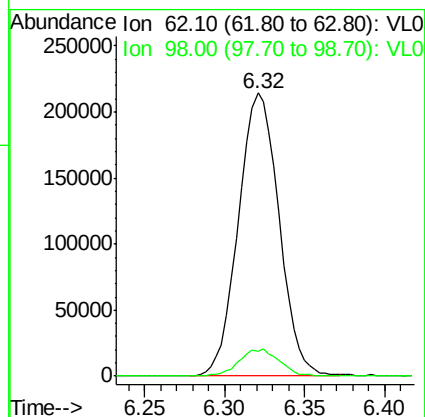
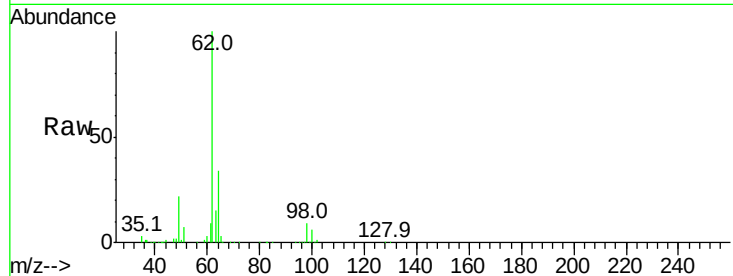




#37
 1,2-Dichloroethane
 Concen: 1.149 ppbv
 RT: 6.32 min Scan# 1099
 Delta R.T. 0.00 min
 Lab File: VL035421.D
 Acq: 17 Aug 2020 14:52

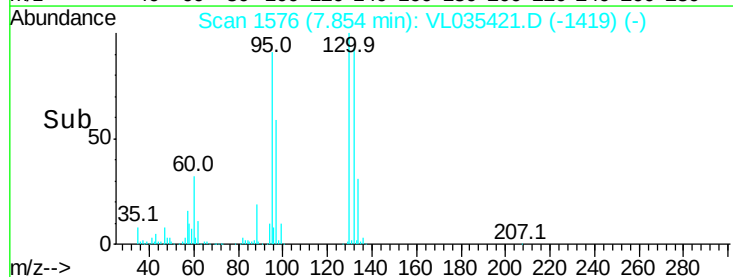
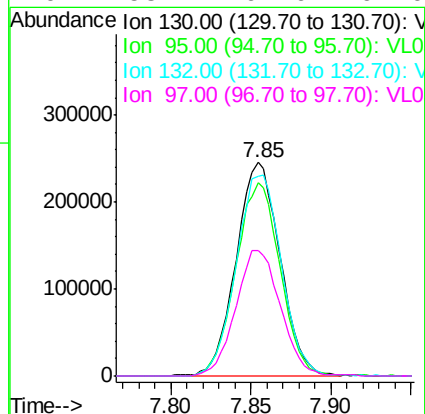
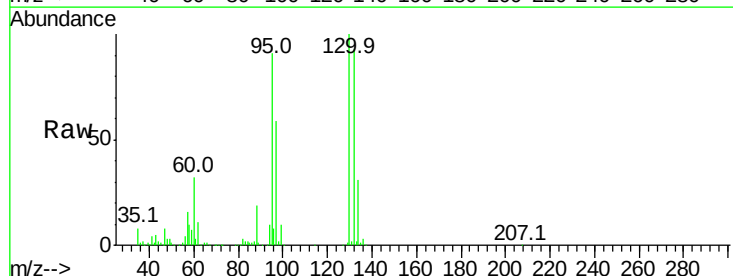
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

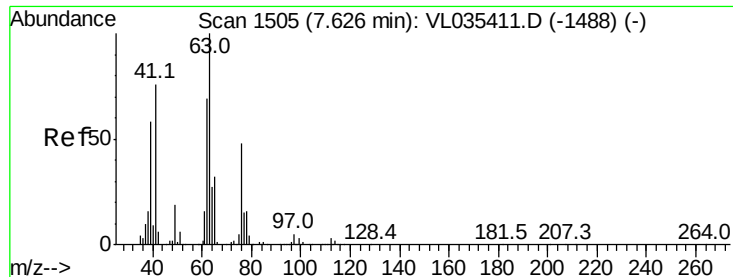
Tgt Ion: 62 Resp: 371353
 Ion Ratio Lower Upper
 62 100
 98 9.5 4.6 7.0#



#38
 Trichloroethene
 Concen: 2.254 ppbv
 RT: 7.85 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VL035421.D
 Acq: 17 Aug 2020 14:52

Tgt Ion: 130 Resp: 456624
 Ion Ratio Lower Upper
 130 100
 95 90.5 95.8 143.8#
 132 93.2 74.3 111.5
 97 58.7 62.6 94.0#





#39

1,2-Dichloropropane

Concen: 1.278 ppbv

RT: 7.63 min Scan# 1507

Delta R.T. 0.01 min

Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

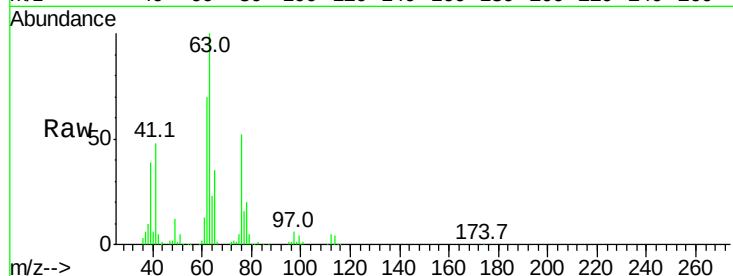
Tgt Ion: 63 Resp: 269854

Ion Ratio Lower Upper

63 100

41 48.0 61.1 91.7#

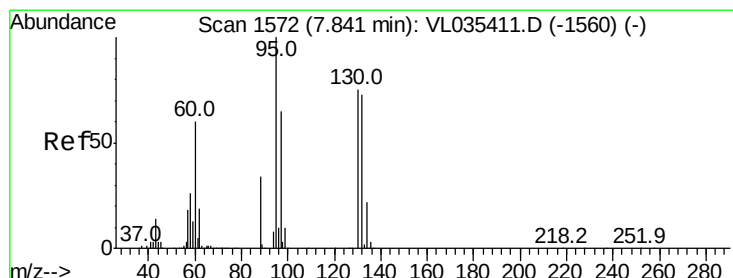
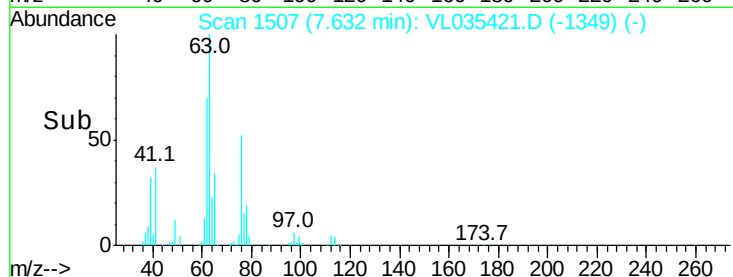
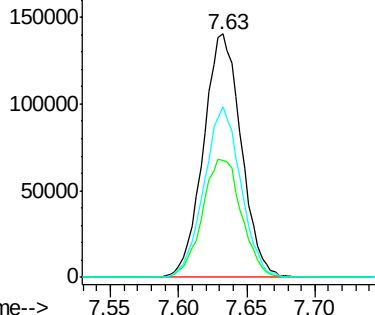
62 70.2 55.3 82.9



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: 1.760 ppbv

RT: 7.86 min Scan# 1579

Delta R.T. 0.02 min

Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

Tgt Ion: 88 Resp: 143781

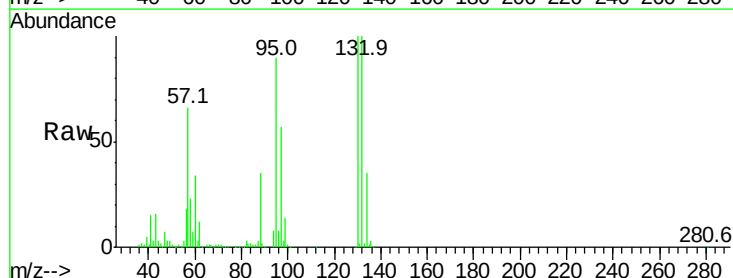
Ion Ratio Lower Upper

88 100

58 92.0 106.6 160.0#

43 138.0 209.7 314.5#

57 776.7 873.3 1309.9#

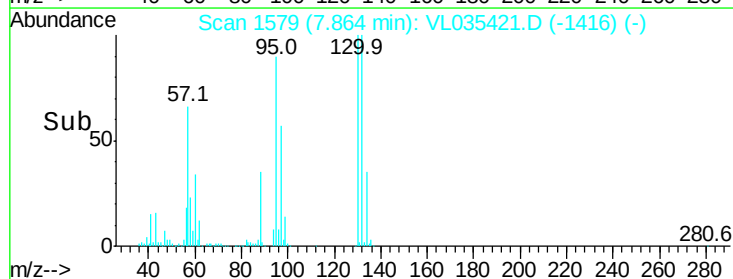
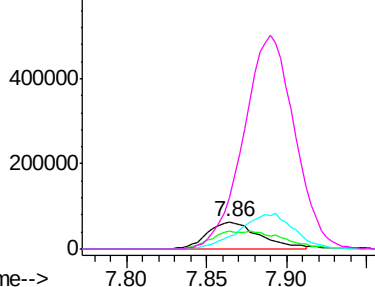


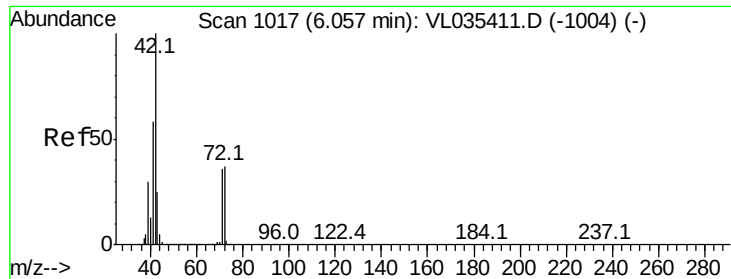
Abundance Ion 88.10 (87.80 to 88.80): VL0

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

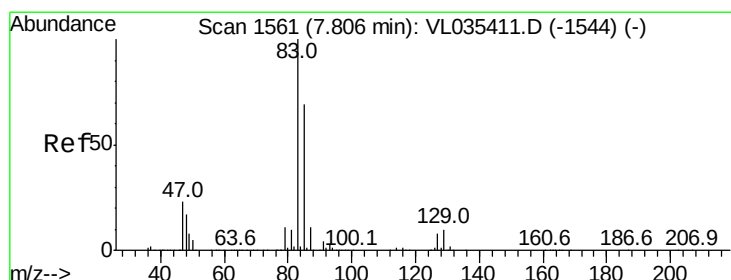
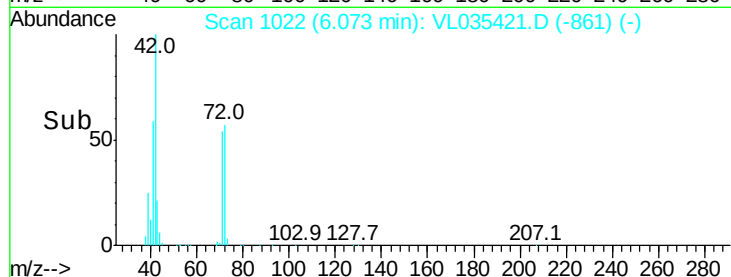
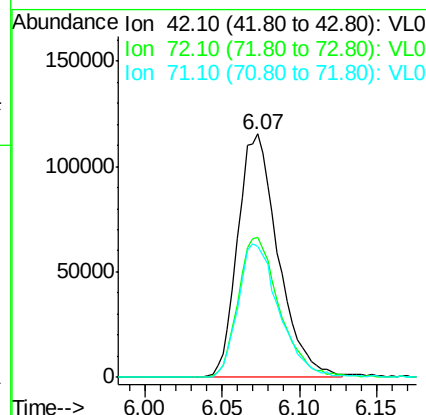
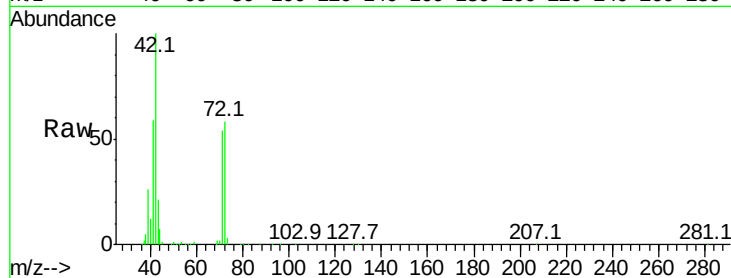




#41
Tetrahydrofuran
Concen: 0.935 ppbv
RT: 6.07 min Scan# 1022
Delta R.T. 0.02 min
Lab File: VL035421.D
Acq: 17 Aug 2020 14:52

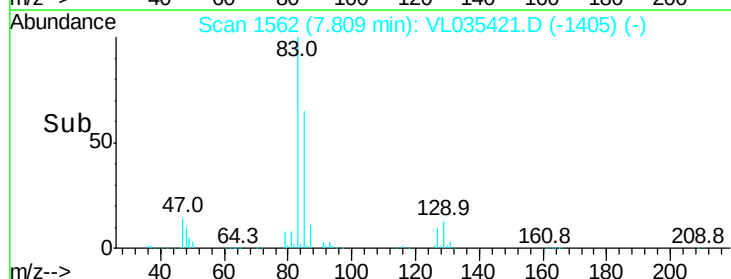
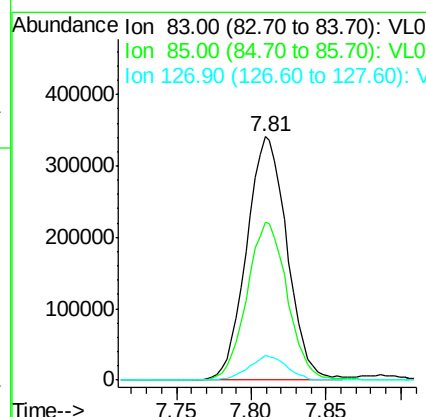
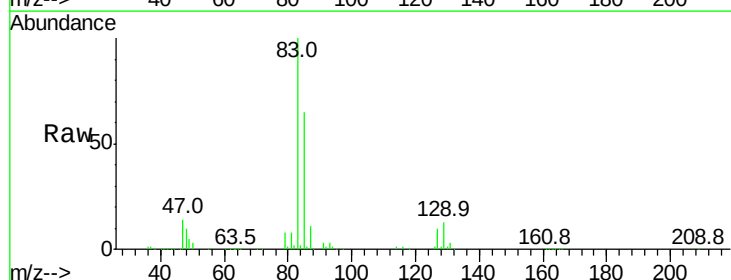
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

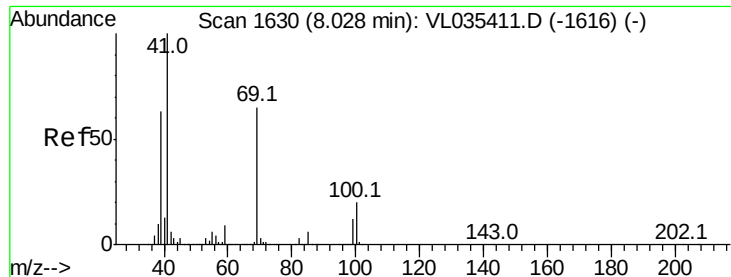
Tgt Ion: 42 Resp: 209302
Ion Ratio Lower Upper
42 100
72 59.2 29.4 44.2#
71 56.1 28.9 43.3#



#42
Bromodichloromethane
Concen: 1.554 ppbv
RT: 7.81 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VL035421.D
Acq: 17 Aug 2020 14:52

Tgt Ion: 83 Resp: 641991
Ion Ratio Lower Upper
83 100
85 64.8 54.8 82.2
127 10.0 6.1 9.1#

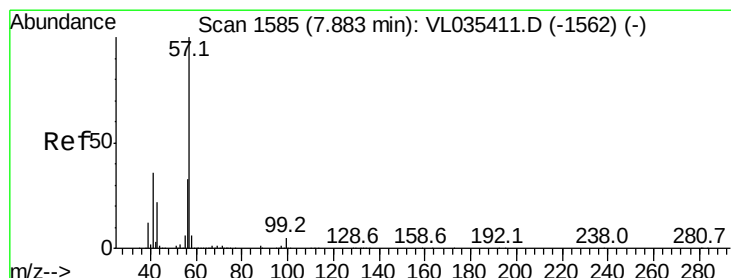
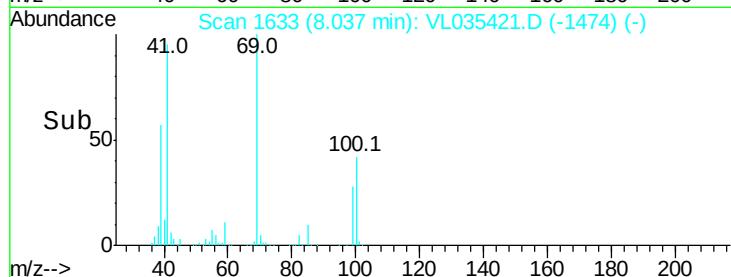
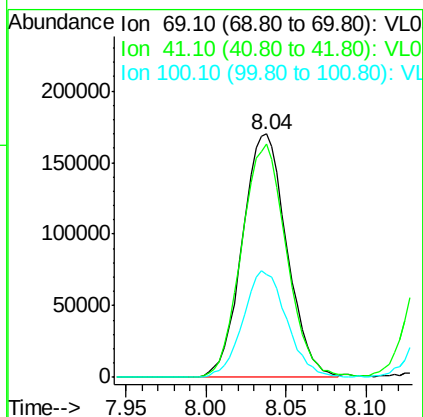
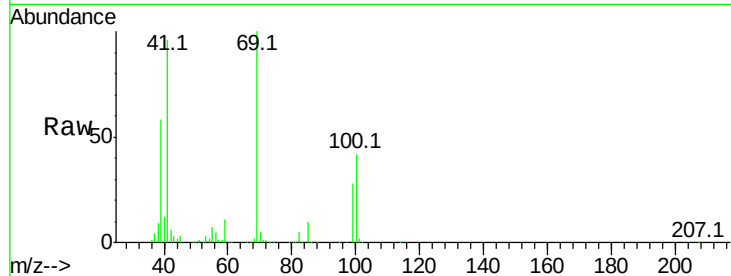




#43
Methyl Methacrylate
Concen: 1.422 ppbv
RT: 8.04 min Scan# 1633
Delta R.T. 0.01 min
Lab File: VL035421.D
Acq: 17 Aug 2020 14:52

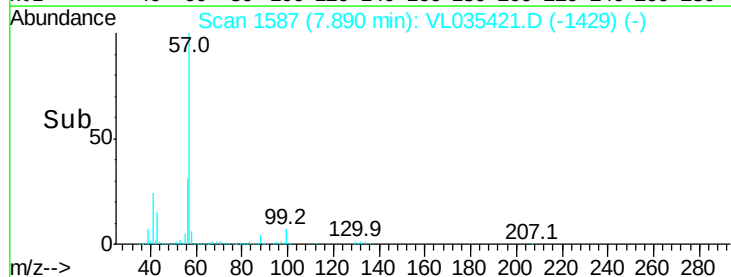
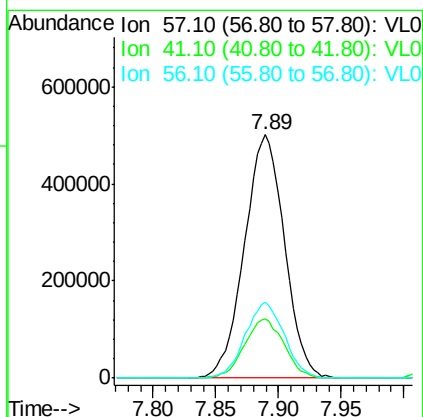
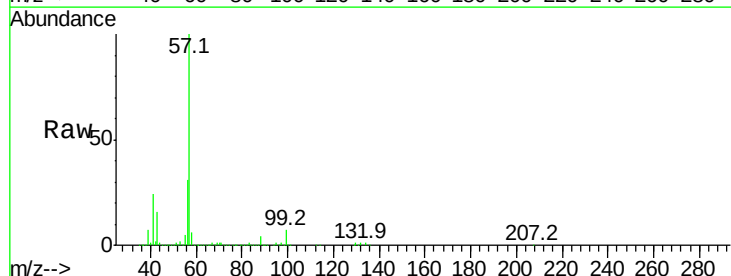
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

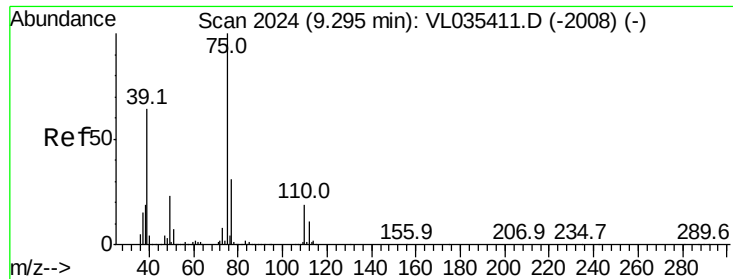
Tgt Ion: 69 Resp: 324161
Ion Ratio Lower Upper
69 100
41 97.0 123.4 185.0#
100 43.1 24.2 36.4#



#44
2,2,4-Trimethylpentane
Concen: 1.217 ppbv
RT: 7.89 min Scan# 1587
Delta R.T. 0.01 min
Lab File: VL035421.D
Acq: 17 Aug 2020 14:52

Tgt Ion: 57 Resp: 1114639
Ion Ratio Lower Upper
57 100
41 24.1 27.2 40.8#
56 30.5 25.4 38.0





#45

t-1,3-Dichloropropene

Concen: 1.385 ppbv

RT: 9.30 min Scan# 2026

Delta R.T. 0.01 min

Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

Instrument :

MSVOA_L

ClientSampleId :

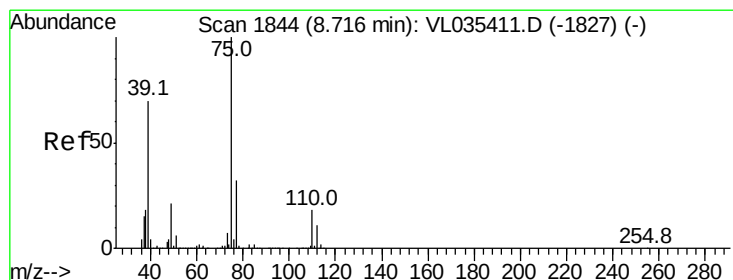
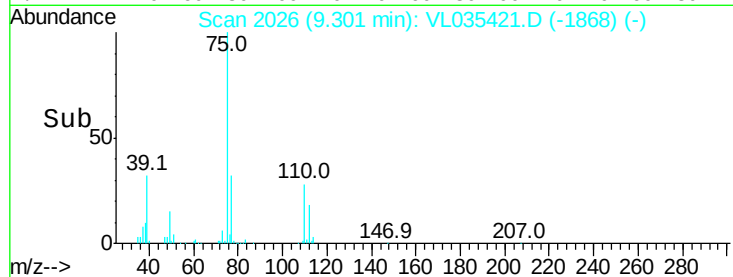
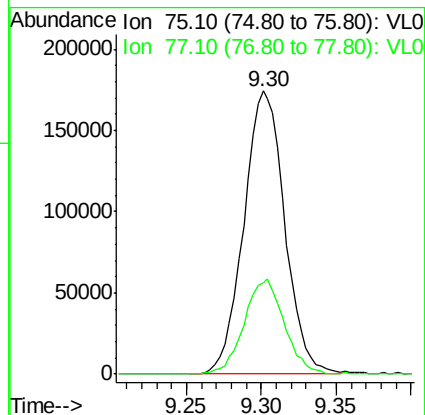
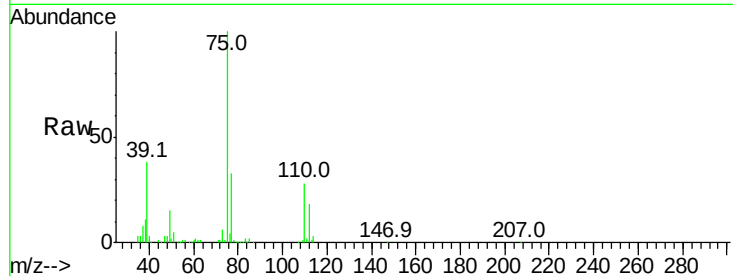
VSTDIC002

Tgt Ion: 75 Resp: 331705

Ion Ratio Lower Upper

75 100

77 32.5 25.0 37.6



#46

cis-1,3-Dichloropropene

Concen: 1.451 ppbv

RT: 8.73 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

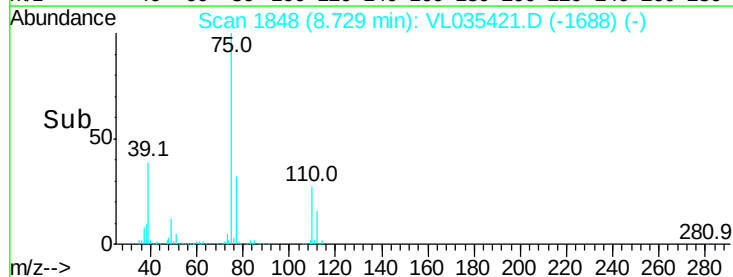
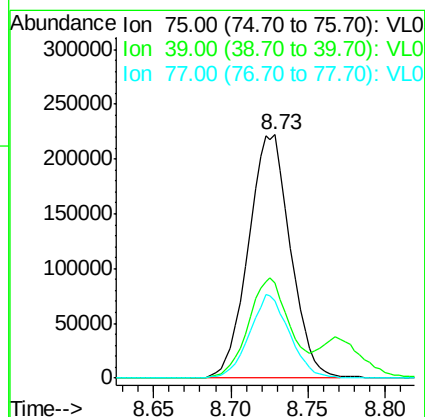
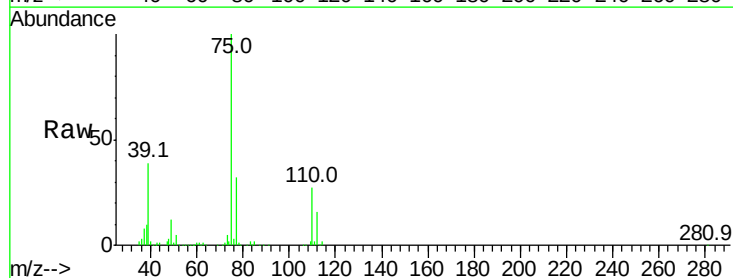
Tgt Ion: 75 Resp: 420792

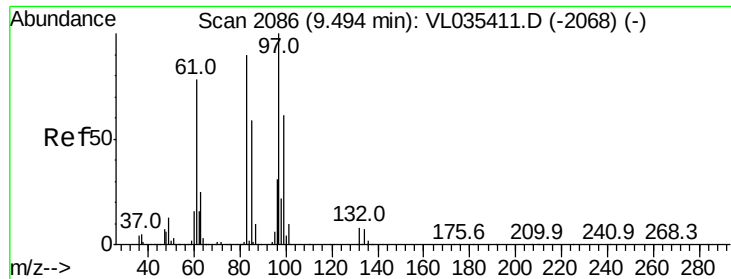
Ion Ratio Lower Upper

75 100

39 39.1 55.8 83.6#

77 31.7 25.6 38.4

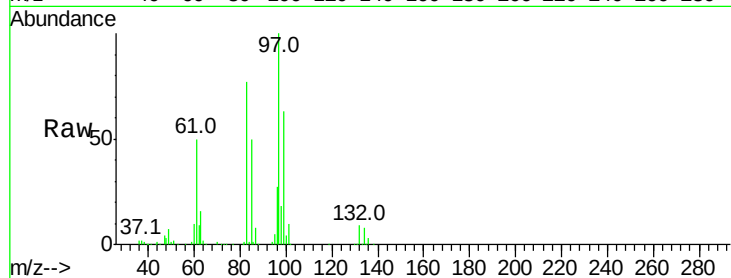




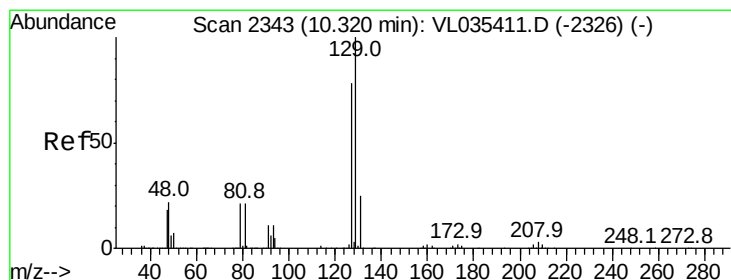
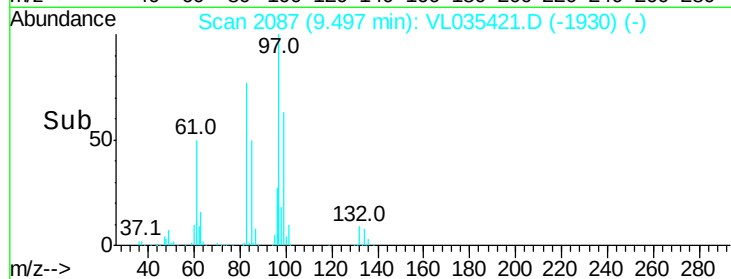
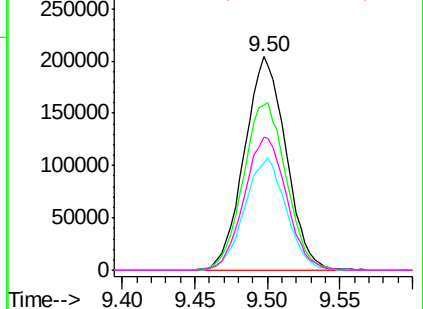
#47
 1,1,2-Trichloroethane
 Concen: 1.919 ppbv
 RT: 9.50 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VL035421.D
 Acq: 17 Aug 2020 14:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion: 97 Resp: 407430
 Ion Ratio Lower Upper
 97 100
 83 77.0 72.1 108.1
 85 50.3 46.8 70.2
 99 62.5 48.6 73.0

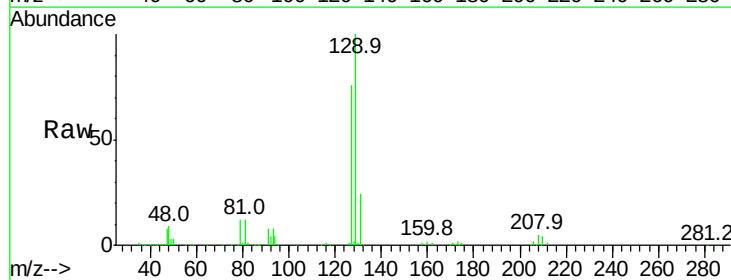


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

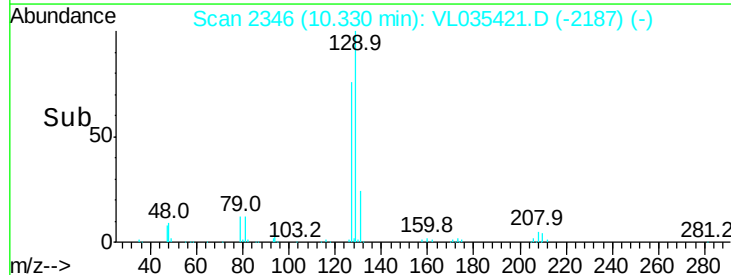
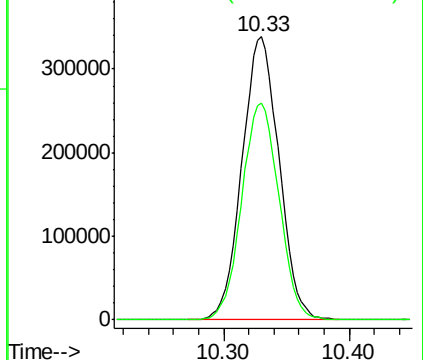


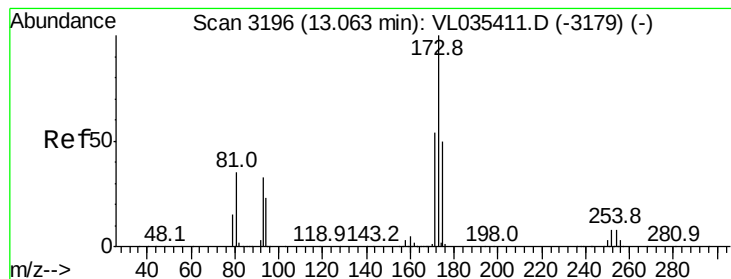
#48
 Dibromochloromethane
 Concen: 2.253 ppbv
 RT: 10.33 min Scan# 2346
 Delta R.T. 0.01 min
 Lab File: VL035421.D
 Acq: 17 Aug 2020 14:52

Tgt Ion: 129 Resp: 696541
 Ion Ratio Lower Upper
 129 100
 127 77.3 39.5 118.5



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 2.788 ppbv

RT: 13.07 min Scan# 3198

Delta R.T. 0.01 min

Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

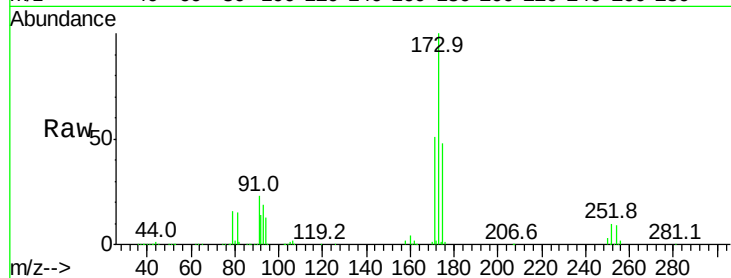
Tgt Ion: 173 Resp: 677559

Ion Ratio Lower Upper

173 100

175 49.3 39.8 59.8

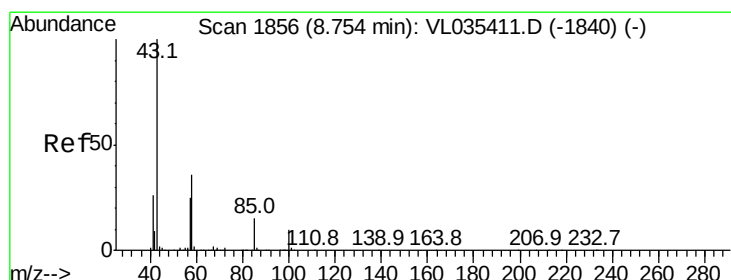
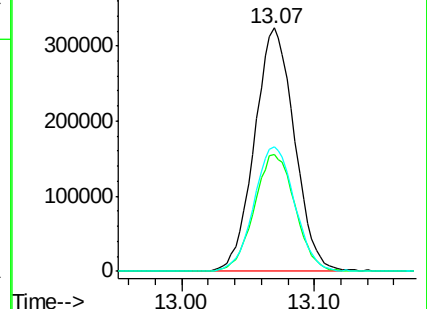
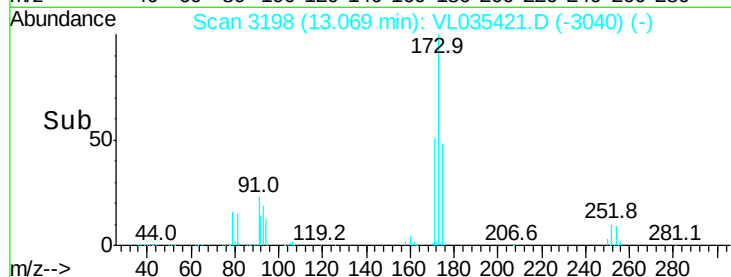
171 52.5 42.4 63.6



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 0.956 ppbv

RT: 8.77 min Scan# 1860

Delta R.T. 0.01 min

Lab File: VL035421.D

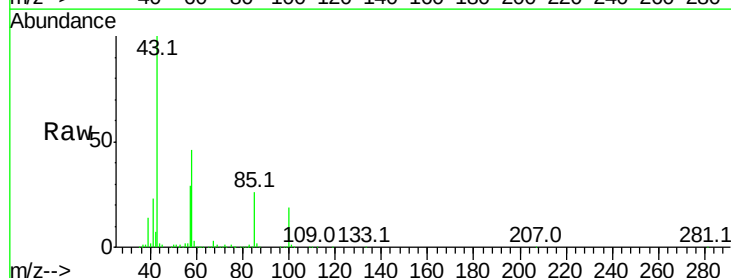
Acq: 17 Aug 2020 14:52

Tgt Ion: 43 Resp: 550583

Ion Ratio Lower Upper

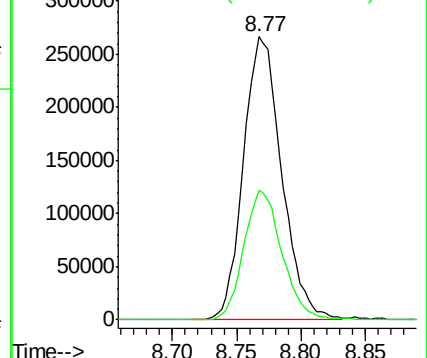
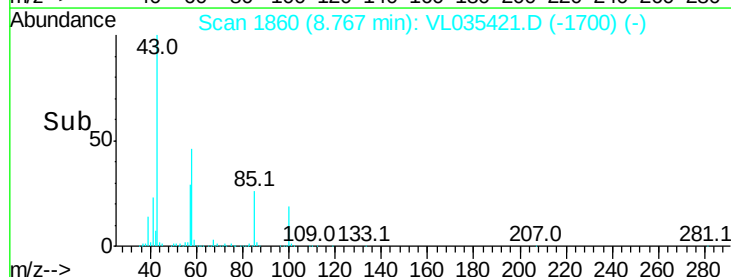
43 100

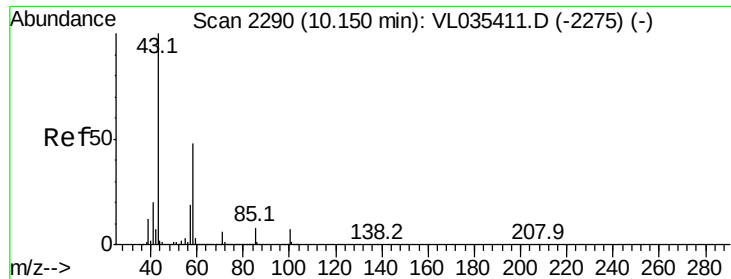
58 46.0 28.7 43.1#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 0.956 ppbv

RT: 10.17 min Scan# 2295

Delta R.T. 0.02 min

Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

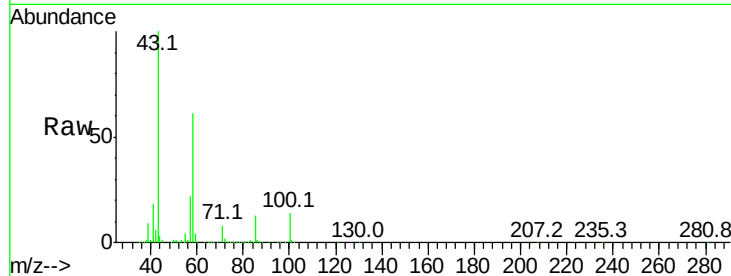
Tgt Ion: 43 Resp: 467293

Ion Ratio Lower Upper

43 100

58 61.6 38.6 58.0#

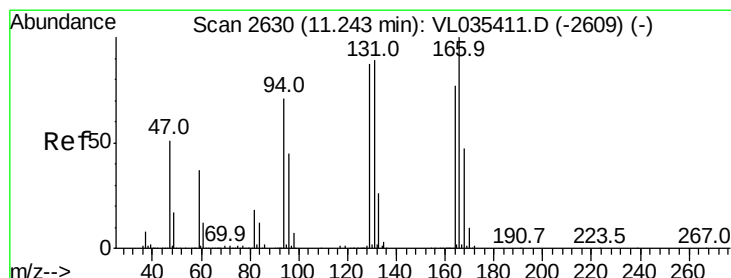
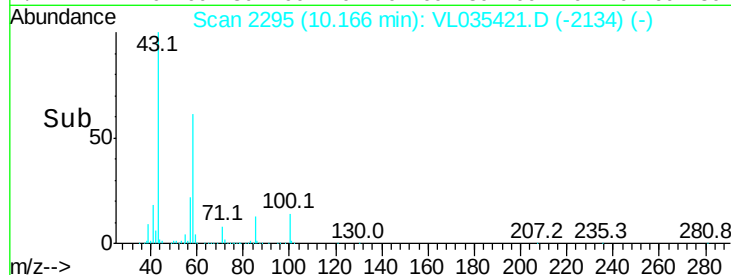
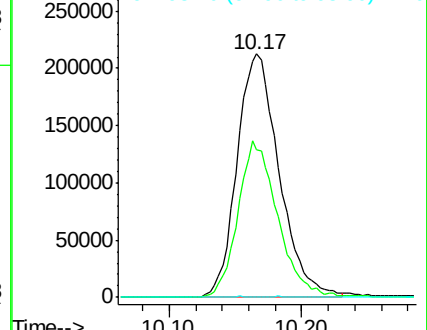
98 0.5 0.2 0.2#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 2.699 ppbv

RT: 11.25 min Scan# 2632

Delta R.T. 0.01 min

Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

Tgt Ion: 164 Resp: 503039

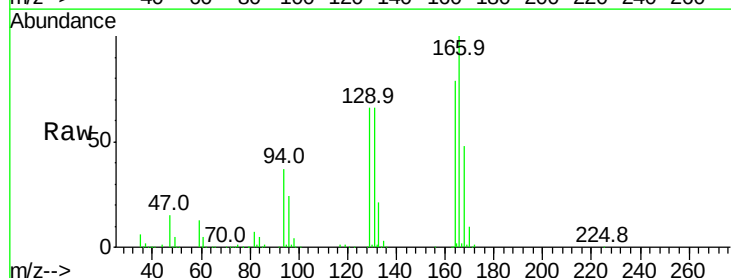
Ion Ratio Lower Upper

164 100

166 126.1 103.4 155.0

129 82.8 90.2 135.4#

131 82.8 91.7 137.5#

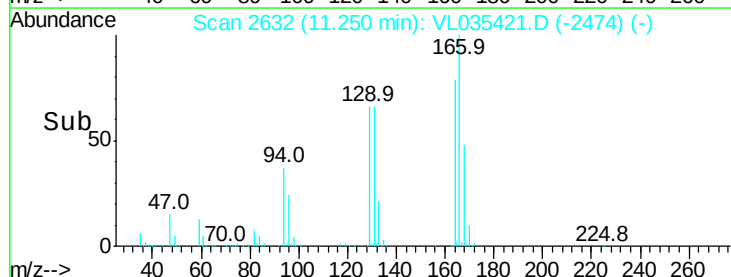
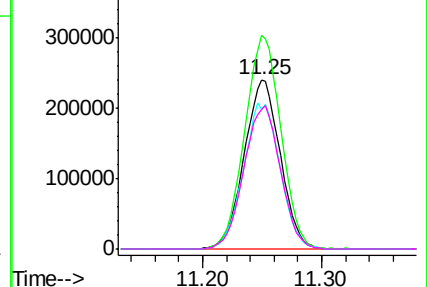


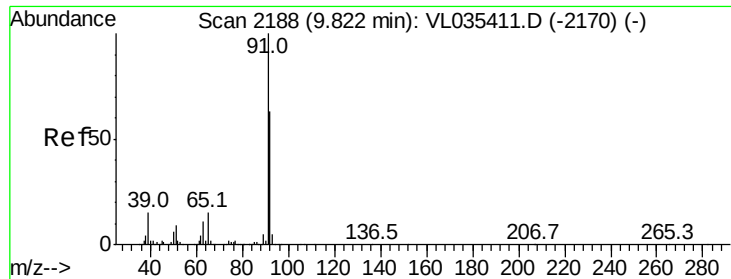
Abundance Ion 163.90 (163.60 to 164.60): V

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: 1.836 ppbv

RT: 9.83 min Scan# 2191

Delta R.T. 0.01 min

Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

Instrument :

MSVOA_L

ClientSampleId :

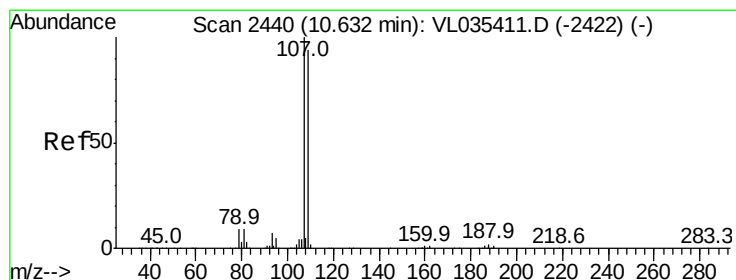
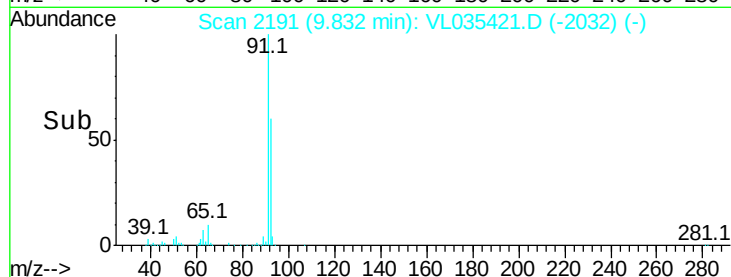
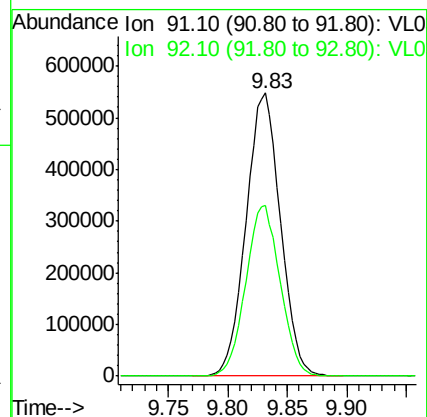
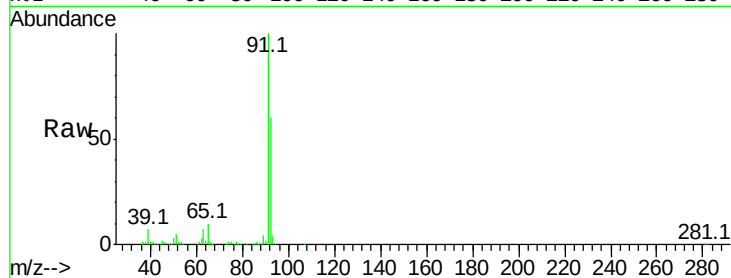
VSTDIC002

Tgt Ion: 91 Resp: 1095224

Ion Ratio Lower Upper

91 100

92 60.5 49.1 73.7



#54

1,2-Dibromoethane

Concen: 2.014 ppbv

RT: 10.64 min Scan# 2441

Delta R.T. 0.00 min

Lab File: VL035421.D

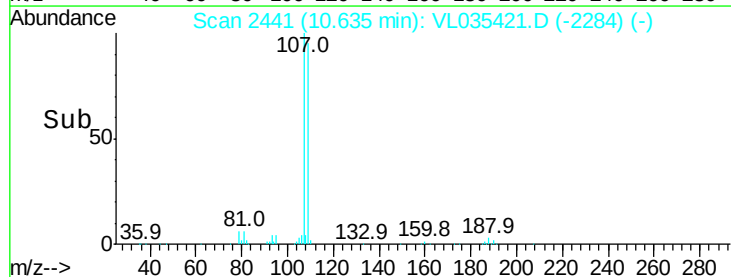
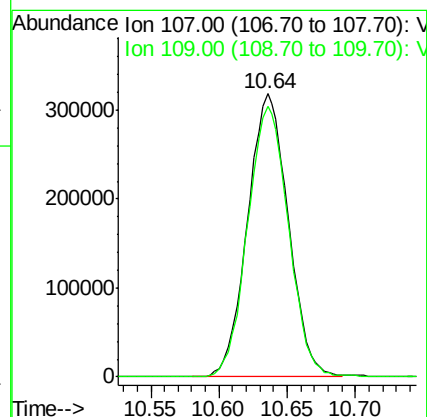
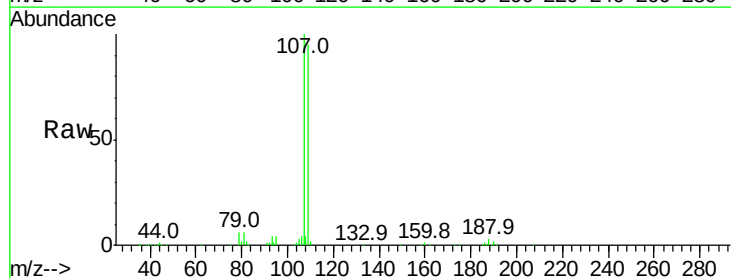
Acq: 17 Aug 2020 14:52

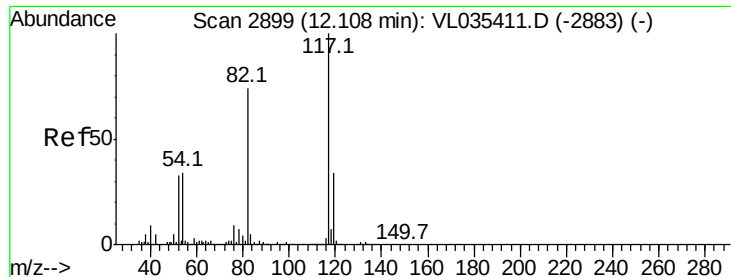
Tgt Ion: 107 Resp: 659937

Ion Ratio Lower Upper

107 100

109 95.4 75.1 112.7

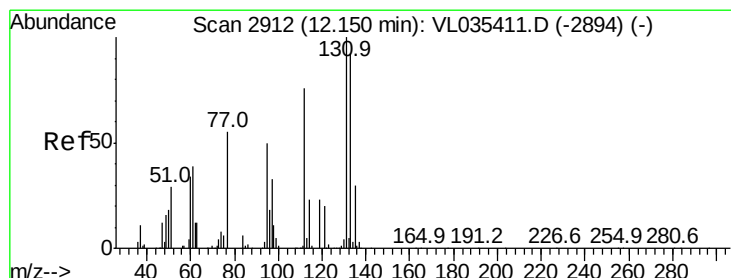
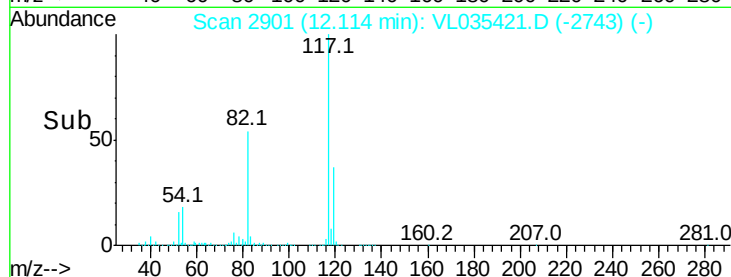
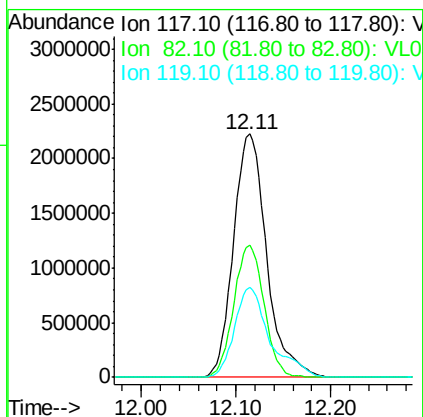
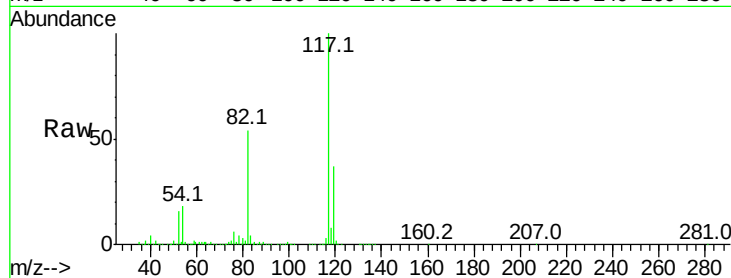




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. 0.01 min
Lab File: VL035421.D
Acq: 17 Aug 2020 14:52

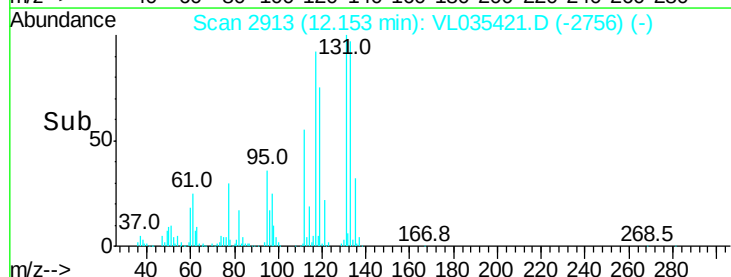
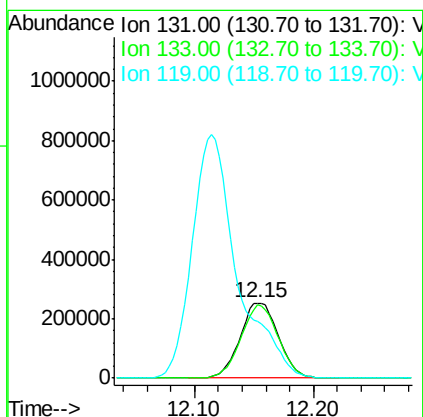
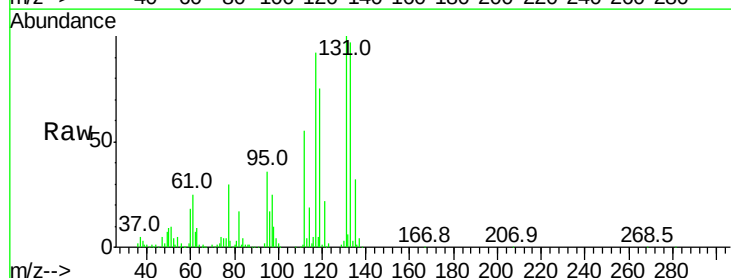
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

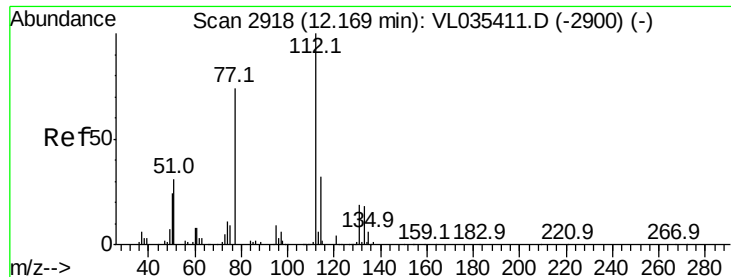
Tgt Ion:117 Resp: 5430807
Ion Ratio Lower Upper
117 100
82 49.8 57.4 86.0#
119 39.6 28.4 42.6



#56
1,1,1,2-Tetrachloroethane
Concen: 2.111 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. 0.00 min
Lab File: VL035421.D
Acq: 17 Aug 2020 14:52

Tgt Ion:131 Resp: 564115
Ion Ratio Lower Upper
131 100
133 95.1 76.1 114.1
119 381.3 50.7 76.1#





#57

Chlorobenzene

Concen: 2.023 ppbv

RT: 12.18 min Scan# 2920

Delta R.T. 0.01 min

Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

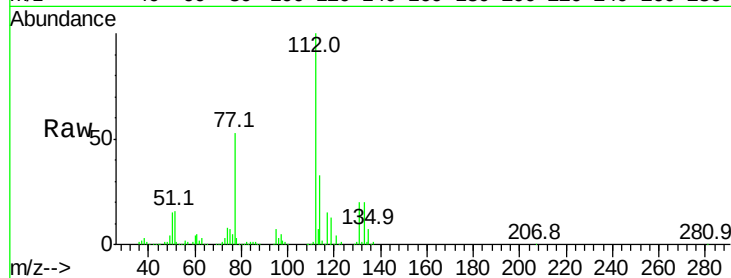
Tgt Ion: 112 Resp: 992011

Ion Ratio Lower Upper

112 100

77 52.7 60.6 91.0#

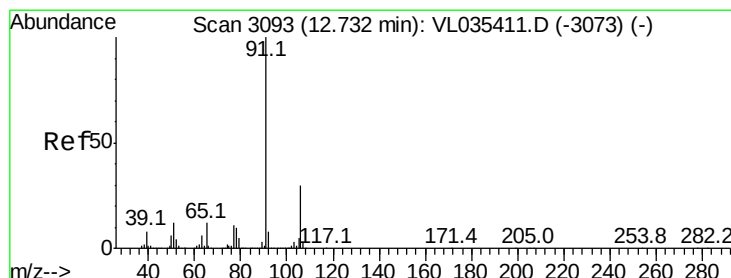
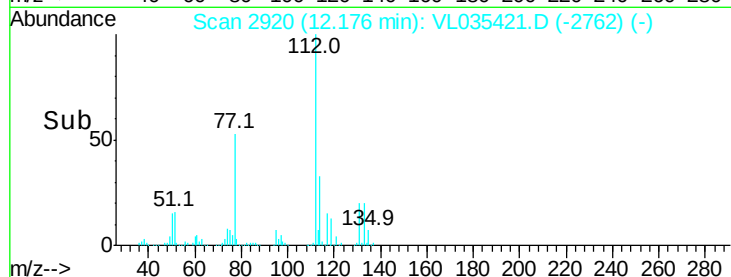
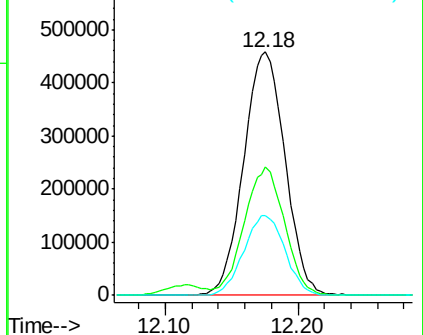
114 32.8 28.5 34.9



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 1.637 ppbv

RT: 12.74 min Scan# 3096

Delta R.T. 0.01 min

Lab File: VL035421.D

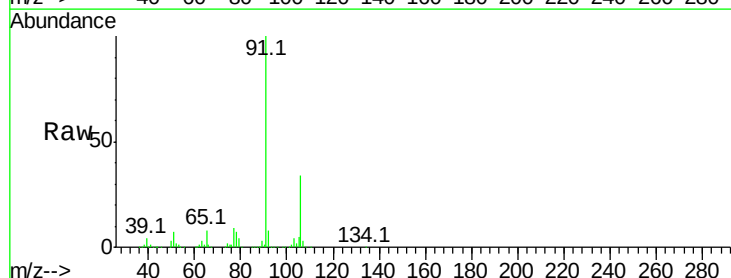
Acq: 17 Aug 2020 14:52

Tgt Ion: 91 Resp: 1471650

Ion Ratio Lower Upper

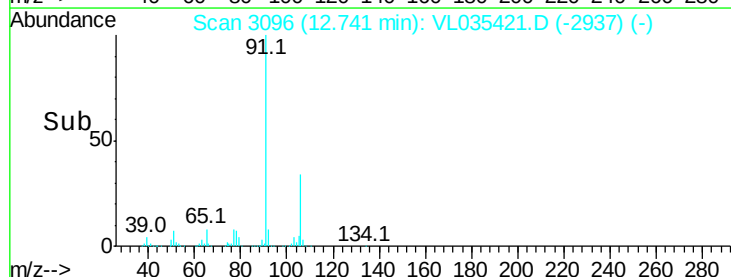
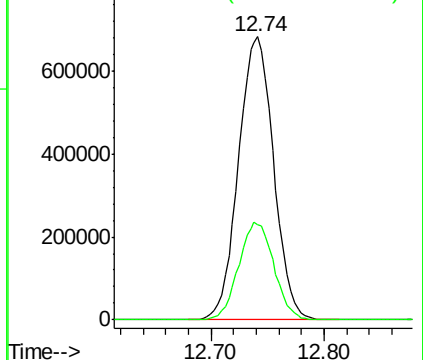
91 100

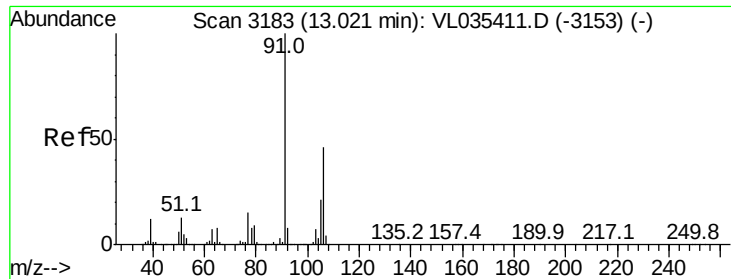
106 33.8 24.1 36.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

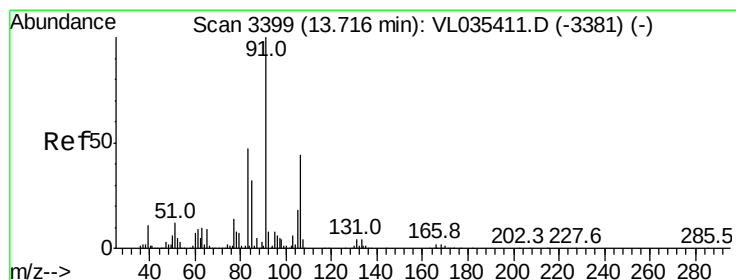
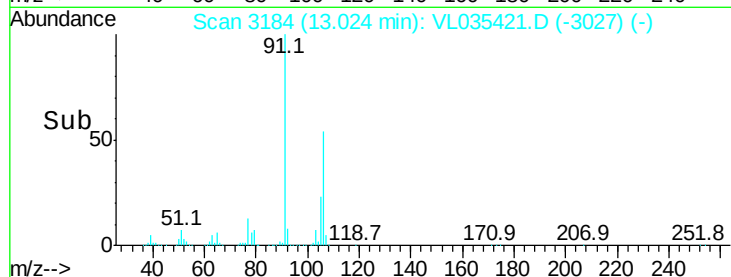
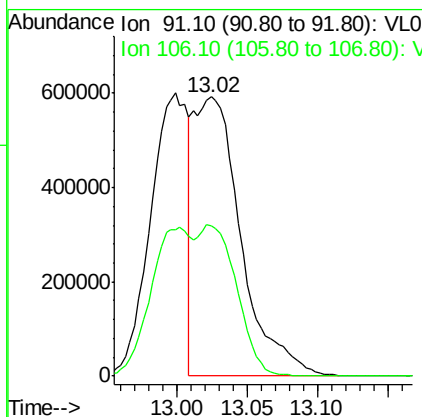
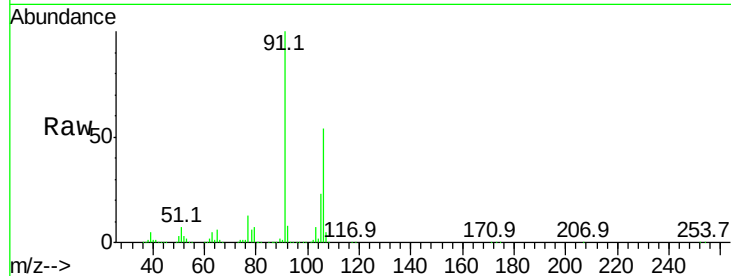




#59
m/p-Xylene
Concen: 1.823 ppbv
RT: 13.02 min Scan# 3184
Delta R.T. 0.00 min
Lab File: VL035421.D
Acq: 17 Aug 2020 14:52

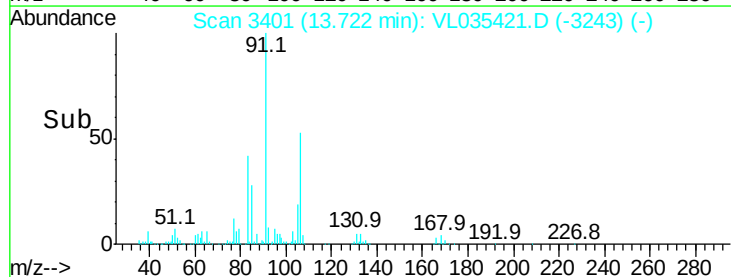
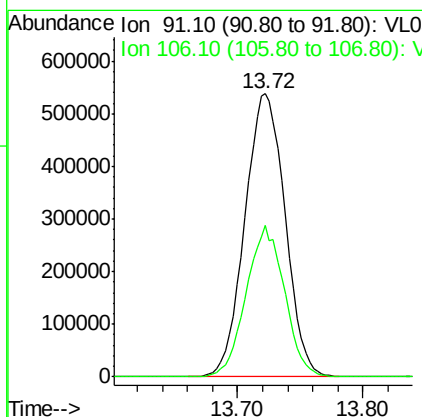
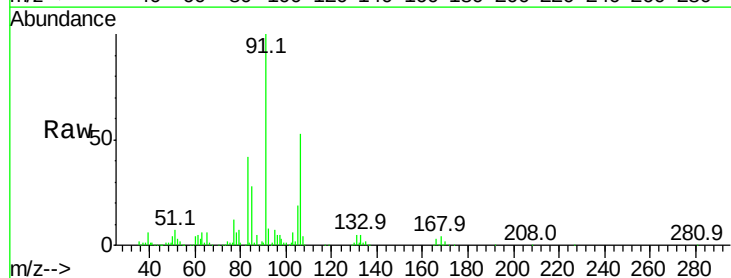
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

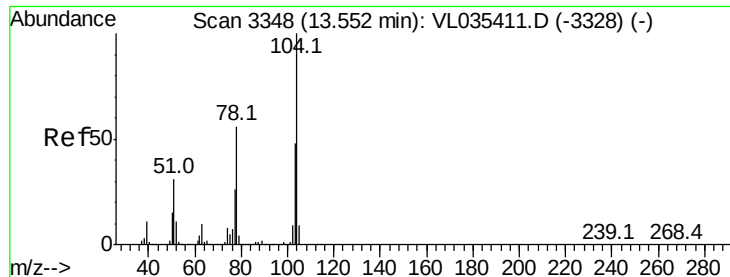
Tgt Ion: 91 Resp: 1367751
Ion Ratio Lower Upper
91 100
106 92.3 34.0 51.0#



#60
o-Xylene
Concen: 1.622 ppbv
RT: 13.72 min Scan# 3401
Delta R.T. 0.01 min
Lab File: VL035421.D
Acq: 17 Aug 2020 14:52

Tgt Ion: 91 Resp: 1197100
Ion Ratio Lower Upper
91 100
106 50.7 21.8 65.3





#61

Styrene

Concen: 1.915 ppbv

RT: 13.56 min Scan# 3350

Delta R.T. 0.01 min

Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

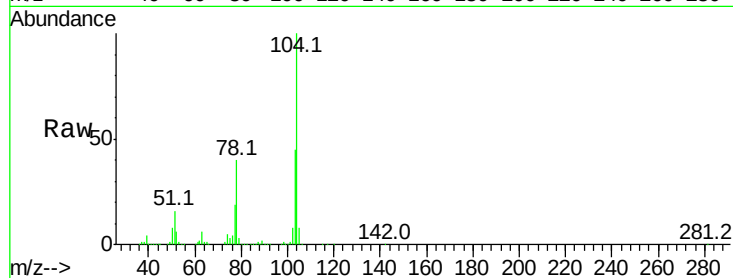
Tgt Ion:104 Resp: 965632

Ion Ratio Lower Upper

104 100

78 40.5 45.4 68.2#

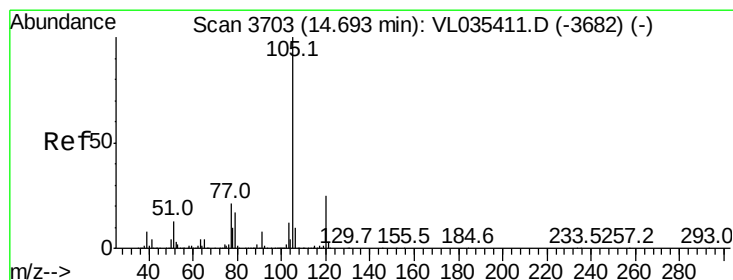
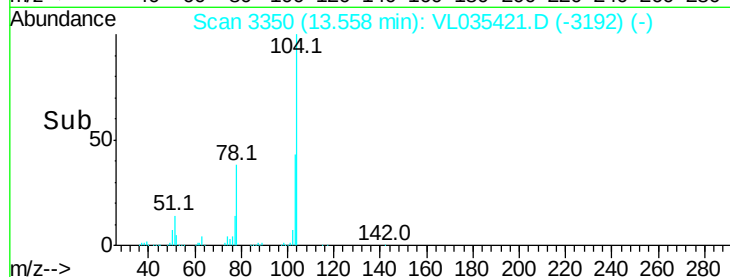
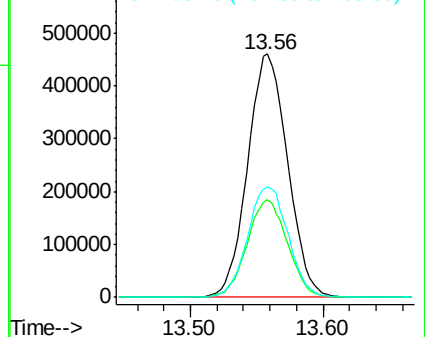
103 46.3 37.8 56.8



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: 1.841 ppbv

RT: 14.70 min Scan# 3705

Delta R.T. 0.01 min

Lab File: VL035421.D

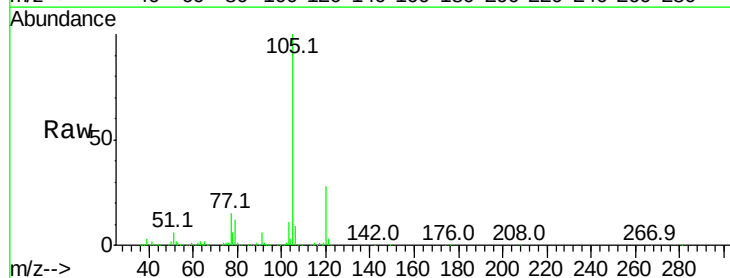
Acq: 17 Aug 2020 14:52

Tgt Ion:105 Resp: 2005266

Ion Ratio Lower Upper

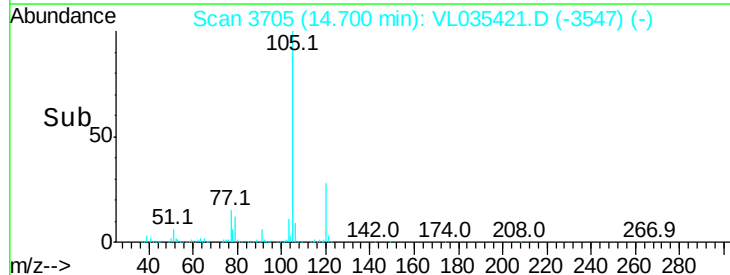
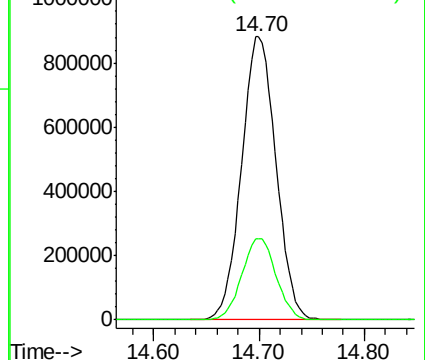
105 100

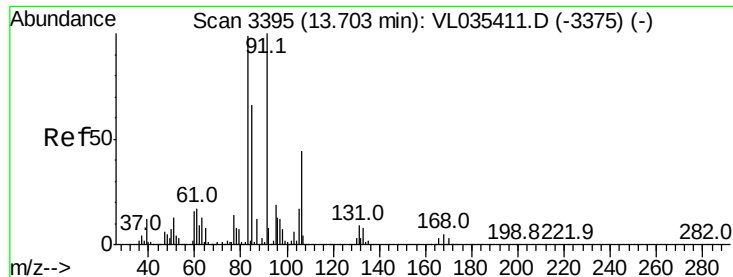
120 28.7 20.3 30.5



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: 1.493 ppbv

RT: 13.71 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

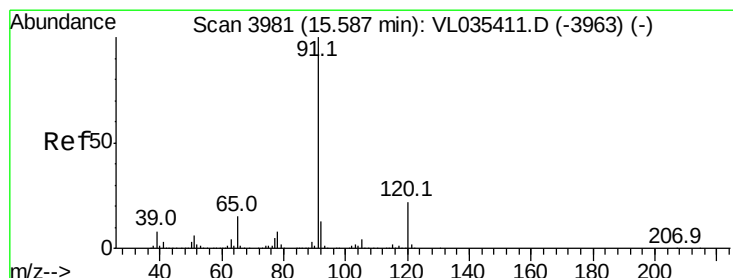
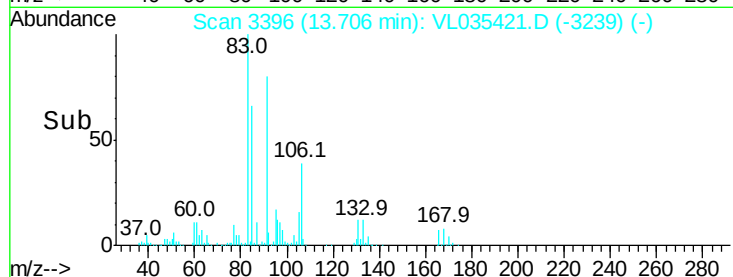
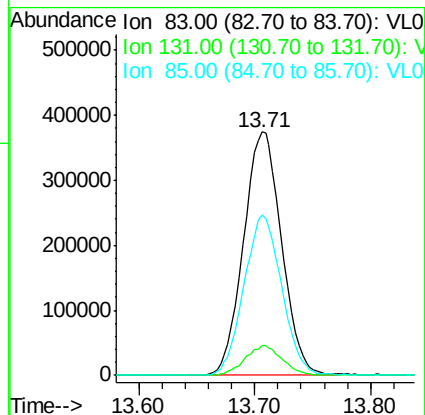
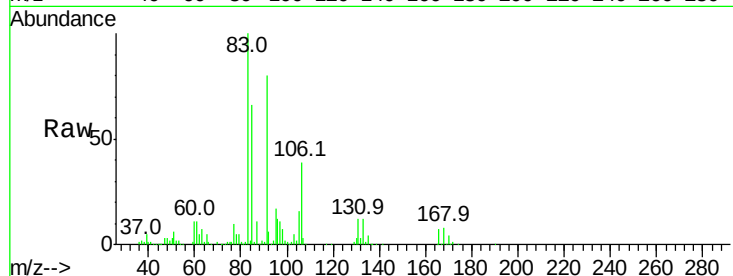
Tgt Ion: 83 Resp: 855213

Ion Ratio Lower Upper

83 100

131 11.8 4.5 13.4

85 65.3 32.7 98.1



#64

n-propylbenzene

Concen: 2.175 ppbv

RT: 15.59 min Scan# 3983

Delta R.T. 0.01 min

Lab File: VL035421.D

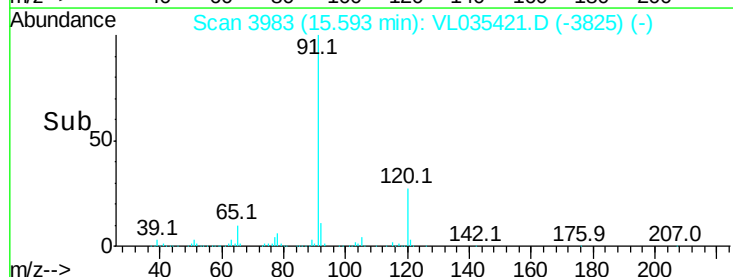
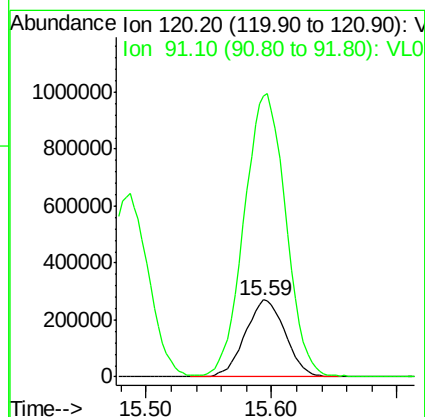
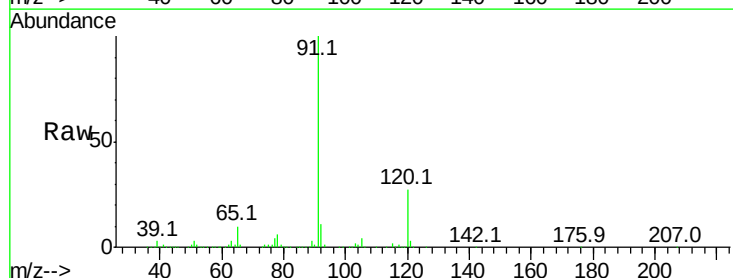
Acq: 17 Aug 2020 14:52

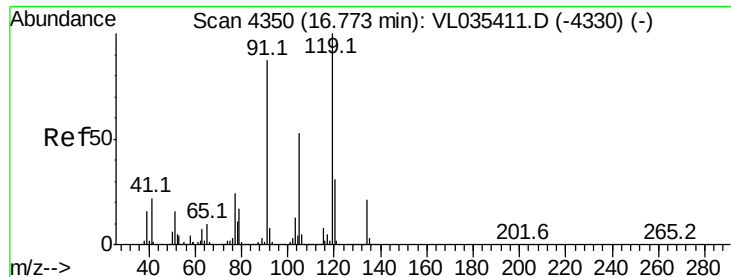
Tgt Ion: 120 Resp: 600592

Ion Ratio Lower Upper

120 100

91 384.0 385.5 578.3#

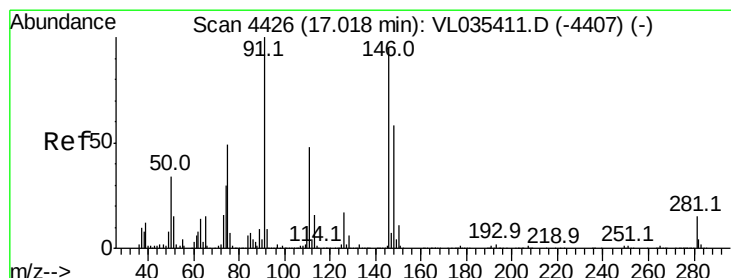
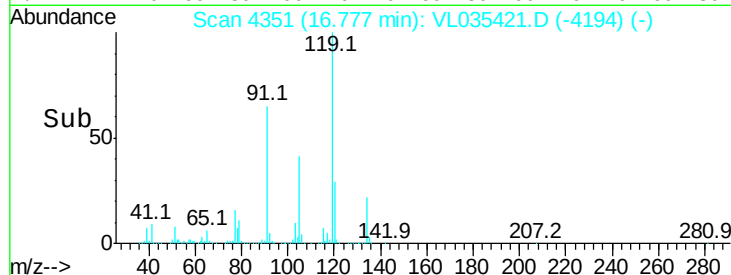
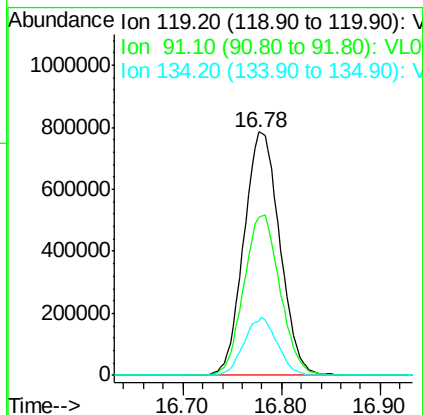
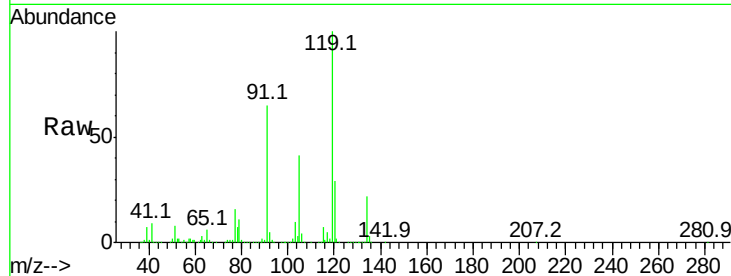




#65
 tert-Butylbenzene
 Concen: 2.117 ppbv
 RT: 16.78 min Scan# 4351
 Delta R.T. 0.00 min
 Lab File: VL035421.D
 Acq: 17 Aug 2020 14:52

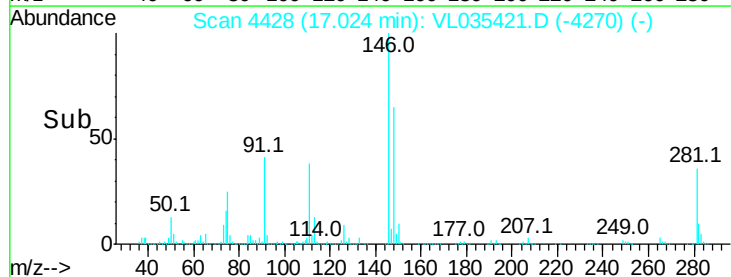
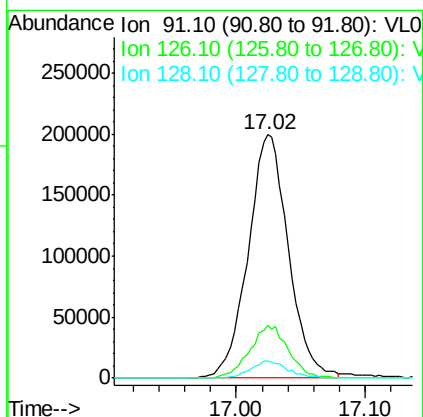
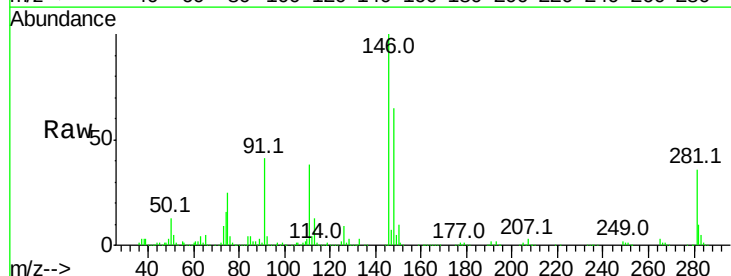
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

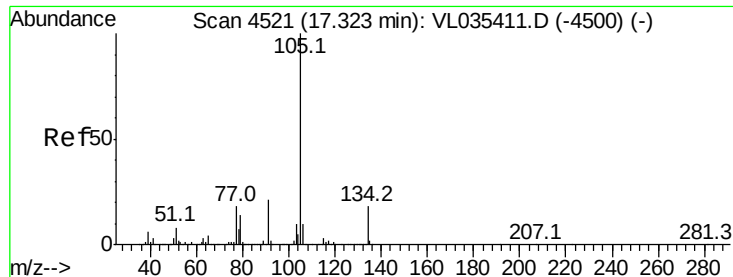
Tgt Ion: 119 Resp: 1976265
 Ion Ratio Lower Upper
 119 100
 91 66.4 72.0 108.0#
 134 22.0 15.7 23.5



#66
 Benzyl Chloride
 Concen: 1.422 ppbv
 RT: 17.02 min Scan# 4428
 Delta R.T. 0.01 min
 Lab File: VL035421.D
 Acq: 17 Aug 2020 14:52

Tgt Ion: 91 Resp: 434487
 Ion Ratio Lower Upper
 91 100
 126 20.8 13.3 19.9#
 128 6.7 4.1 6.1#





#67

sec-Butylbenzene

Concen: 1.922 ppbv

RT: 17.33 min Scan# 4523

Delta R.T. 0.01 min

Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

Instrument :

MSVOA_L

ClientSampleId :

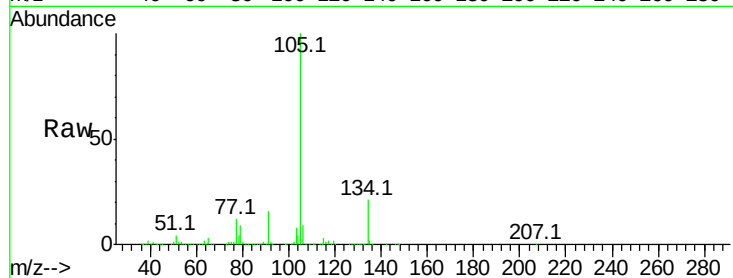
VSTDIC002

Tgt Ion:105 Resp: 2648525

Ion Ratio Lower Upper

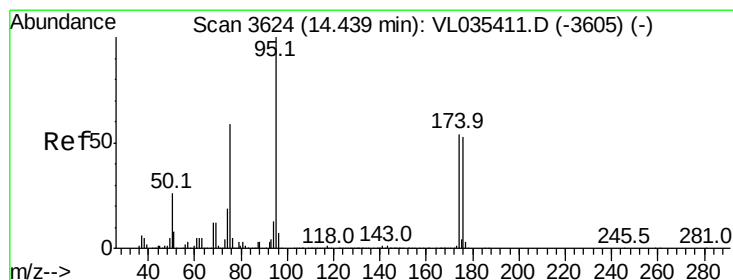
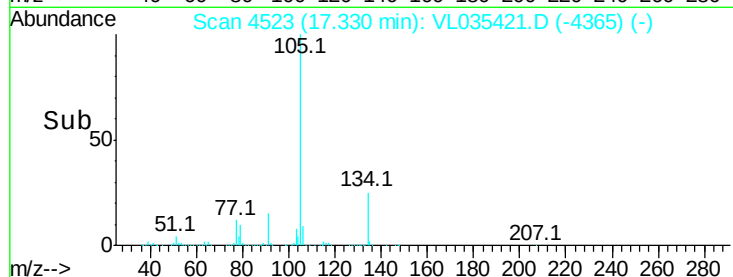
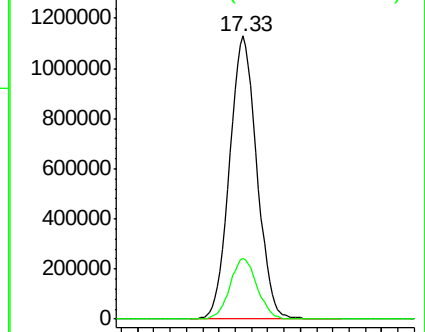
105 100

134 21.3 14.1 21.1#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.009 ppbv

RT: 14.45 min Scan# 3627

Delta R.T. 0.01 min

Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

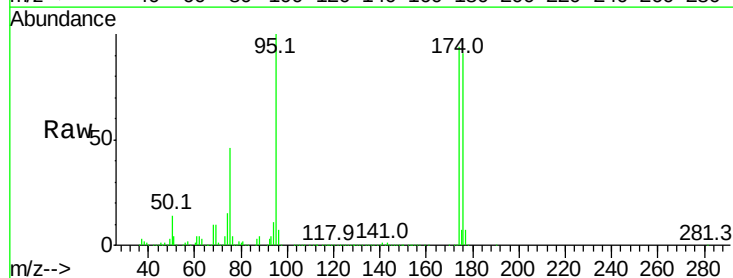
Tgt Ion: 95 Resp: 3683191

Ion Ratio Lower Upper

95 100

174 95.0 44.0 66.0#

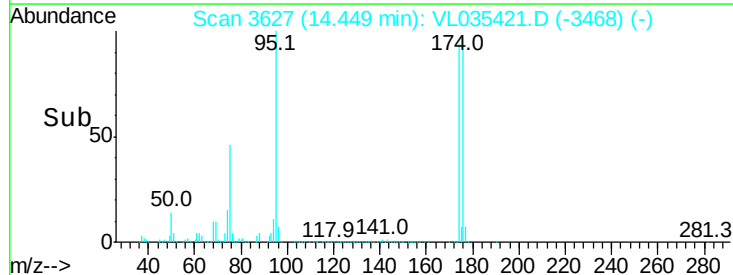
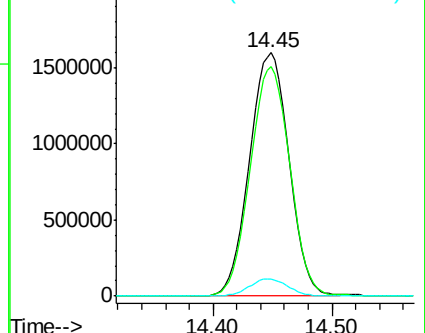
175 7.0 3.2 4.8#

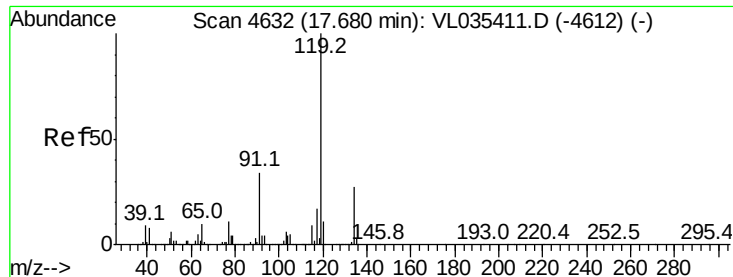


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

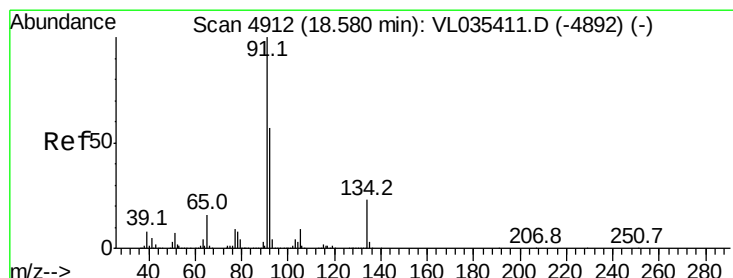
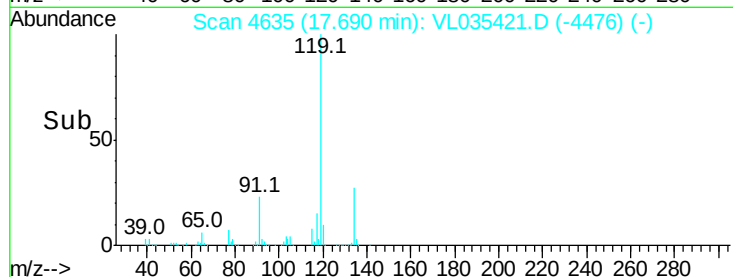
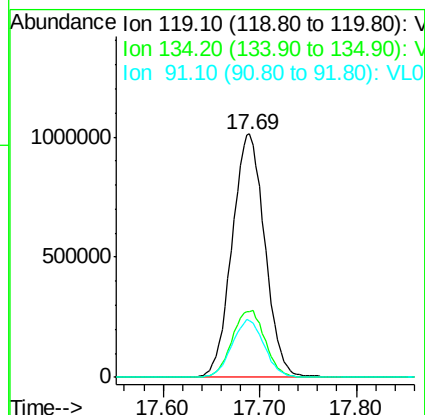
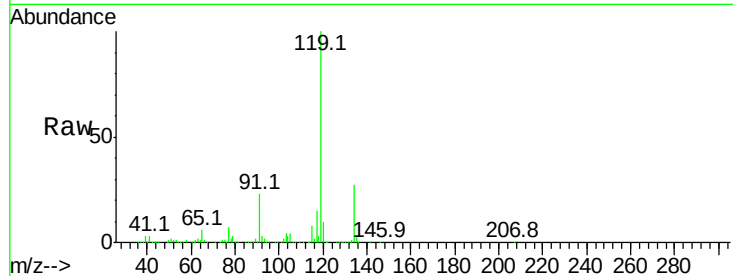




#69
 p-Isopropyltoluene
 Concen: 2.113 ppbv
 RT: 17.69 min Scan# 4635
 Delta R.T. 0.01 min
 Lab File: VL035421.D
 Acq: 17 Aug 2020 14:52

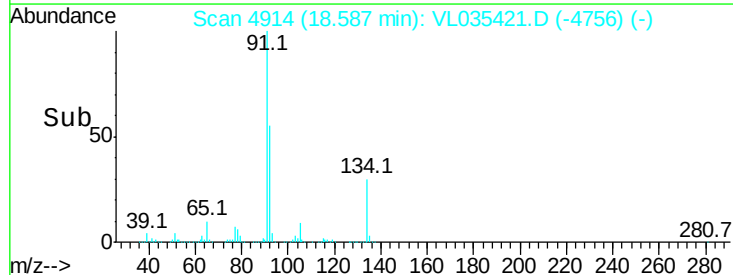
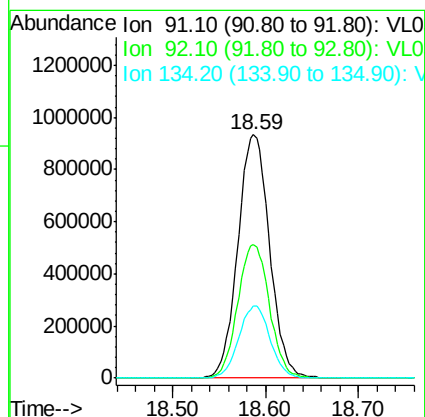
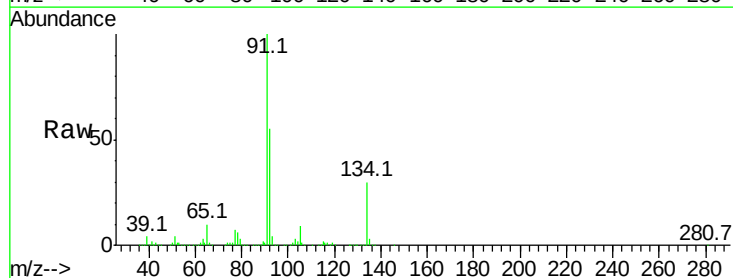
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

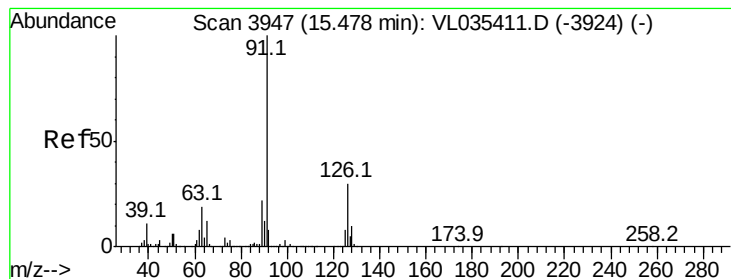
Tgt Ion: 119 Resp: 2371530
 Ion Ratio Lower Upper
 119 100
 134 28.0 20.6 30.8
 91 23.7 26.6 39.8#



#70
 n-Butylbenzene
 Concen: 1.687 ppbv
 RT: 18.59 min Scan# 4914
 Delta R.T. 0.01 min
 Lab File: VL035421.D
 Acq: 17 Aug 2020 14:52

Tgt Ion: 91 Resp: 2213479
 Ion Ratio Lower Upper
 91 100
 92 55.0 44.8 67.2
 134 29.4 17.3 25.9#





#71

2-Chlorotoluene

Concen: 1.613 ppbv

RT: 15.49 min Scan# 3950

Delta R.T. 0.01 min

Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

Instrument :

MSVOA_L

ClientSampleId :

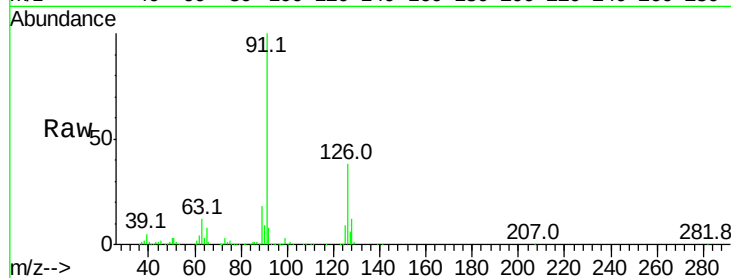
VSTDIC002

Tgt Ion: 91 Resp: 1437291

Ion Ratio Lower Upper

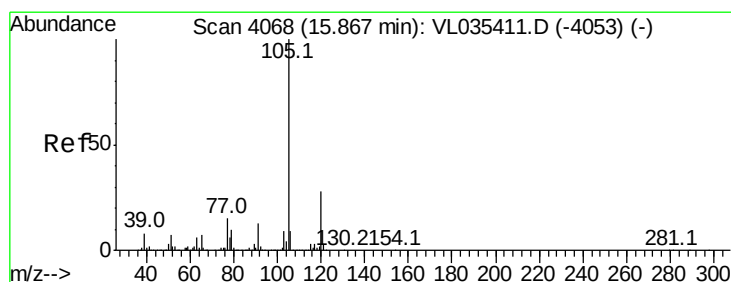
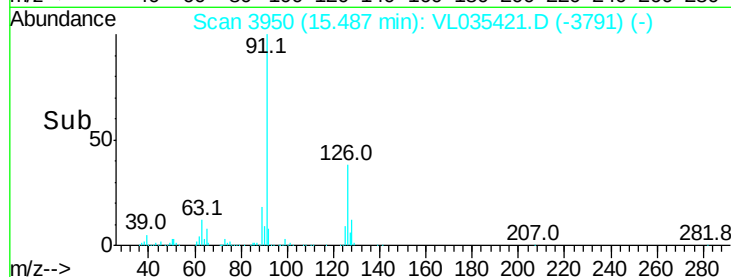
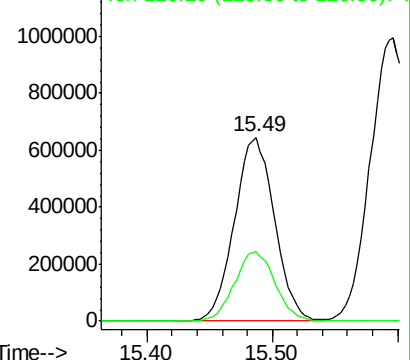
91 100

126 38.1 11.4 45.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 1.865 ppbv

RT: 15.87 min Scan# 4070

Delta R.T. 0.01 min

Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

Tgt Ion: 105 Resp: 1612909

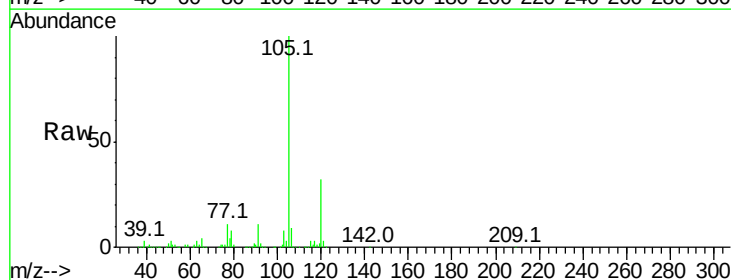
Ion Ratio Lower Upper

105 100

120 32.9 22.7 34.1

91 10.7 10.8 16.2#

77 10.5 11.9 17.9#

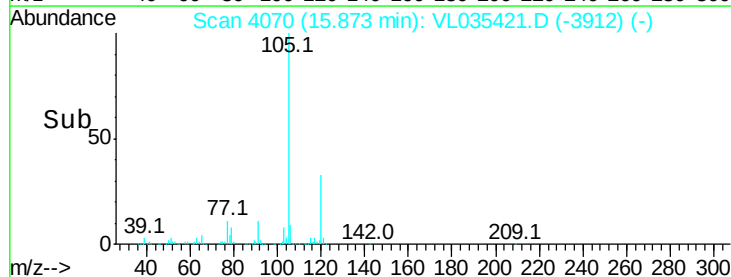
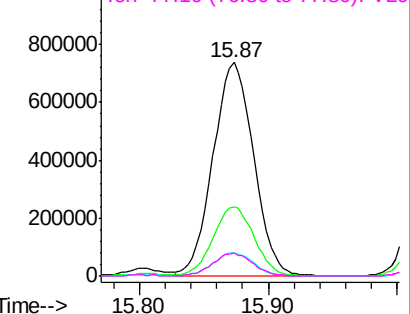


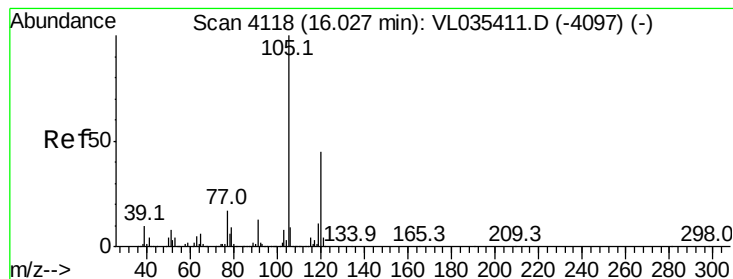
Abundance Ion 105.10 (104.80 to 105.80): V

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: 1.841 ppbv

RT: 16.03 min Scan# 4119

Delta R.T. 0.00 min

Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

Instrument :

MSVOA_L

ClientSampleId :

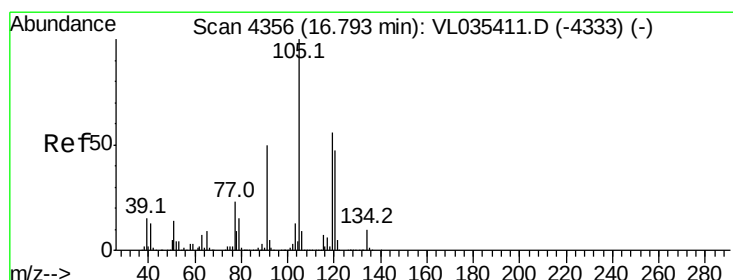
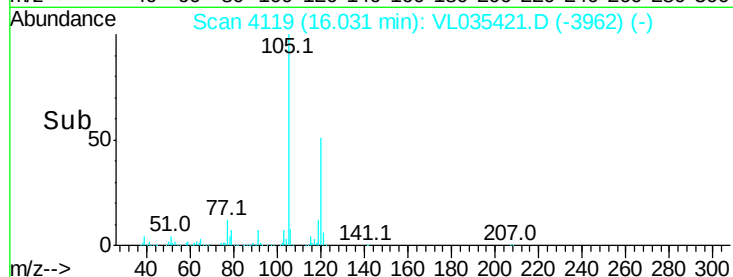
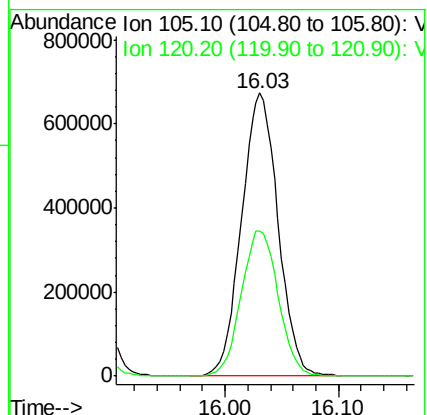
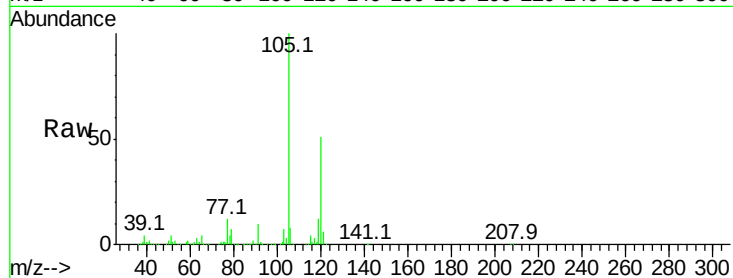
VSTDIC002

Tgt Ion:105 Resp: 1503020

Ion Ratio Lower Upper

105 100

120 51.5 35.6 53.4



#74

1,2,4-Trimethylbenzene

Concen: 1.879 ppbv

RT: 16.80 min Scan# 4357

Delta R.T. 0.00 min

Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

Tgt Ion:105 Resp: 1642991

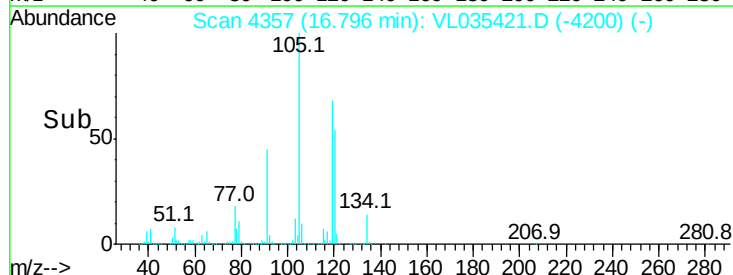
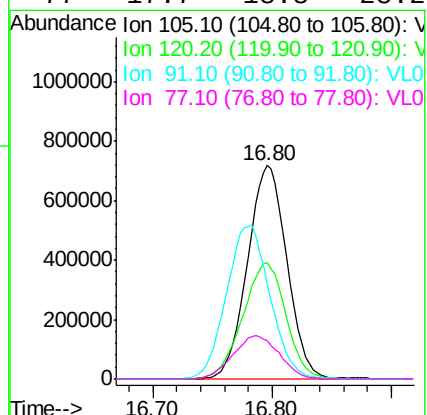
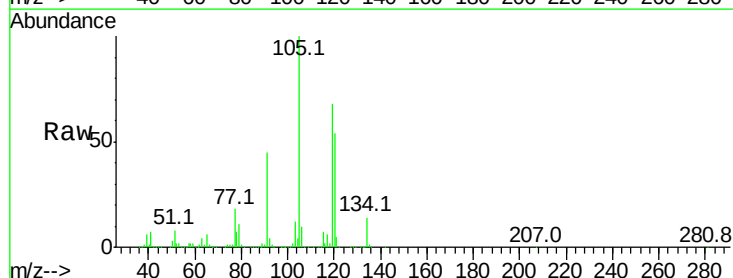
Ion Ratio Lower Upper

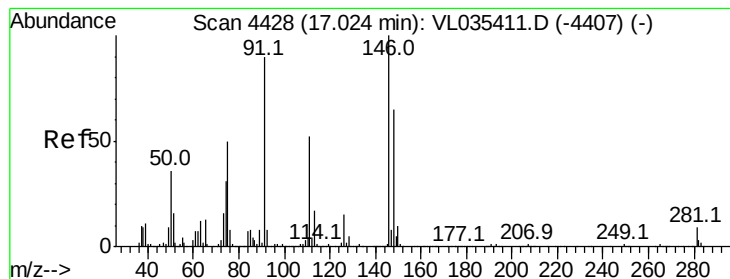
105 100

120 54.1 37.8 56.8

91 44.4 40.0 60.0

77 17.7 18.8 28.2#





#75

1,3-Dichlorobenzene

Concen: 2.589 ppbv

RT: 17.03 min Scan# 4430

Delta R.T. 0.01 min

Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

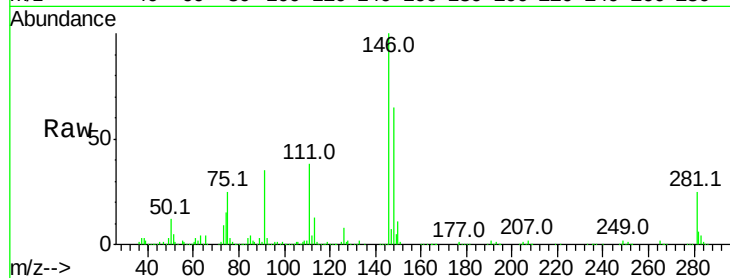
Tgt Ion:146 Resp: 1231830

Ion Ratio Lower Upper

146 100

111 38.4 25.6 76.8

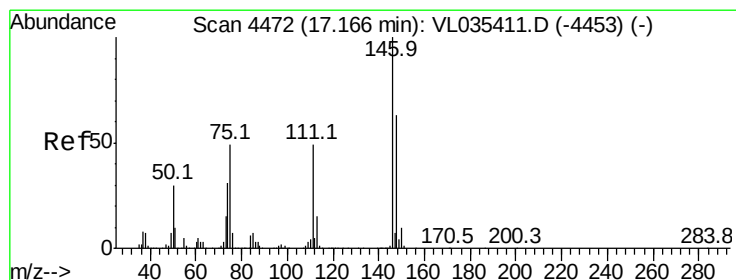
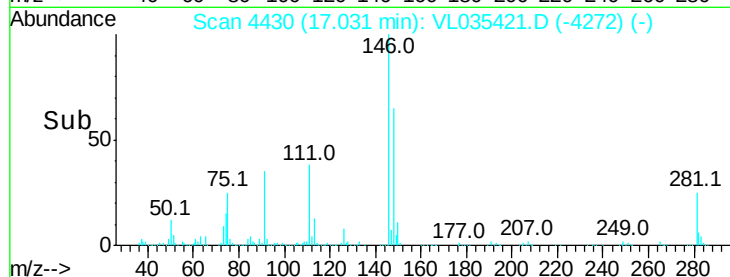
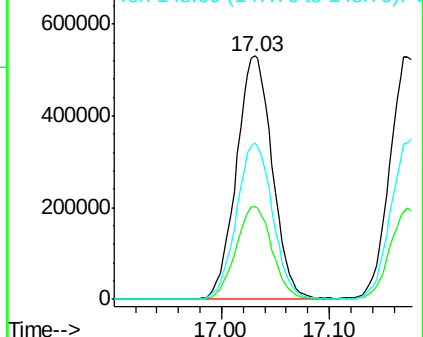
148 64.7 32.3 96.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 2.496 ppbv

RT: 17.17 min Scan# 4473

Delta R.T. 0.00 min

Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

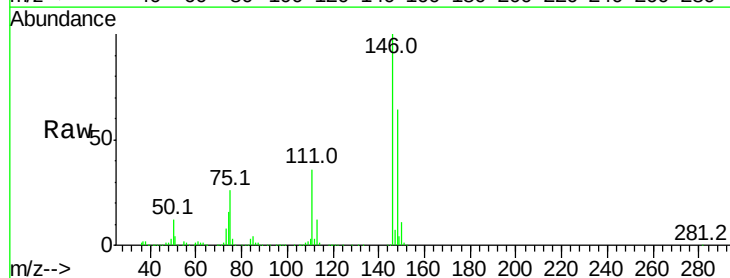
Tgt Ion:146 Resp: 1218180

Ion Ratio Lower Upper

146 100

111 37.2 24.8 74.4

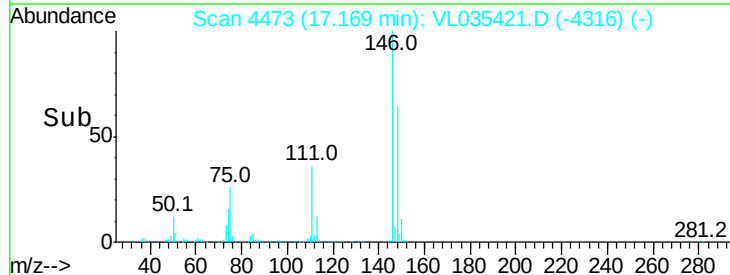
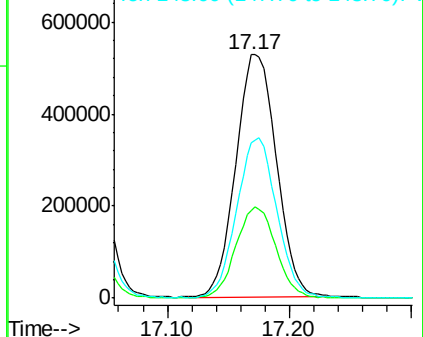
148 65.3 32.1 96.3

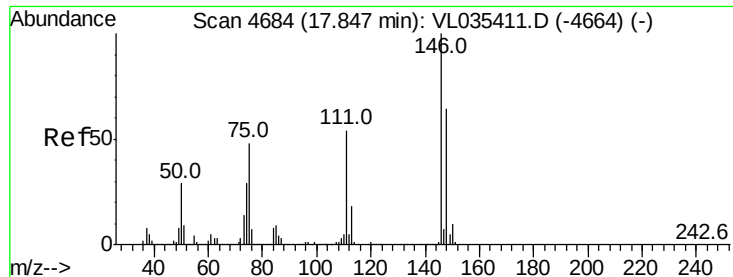


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

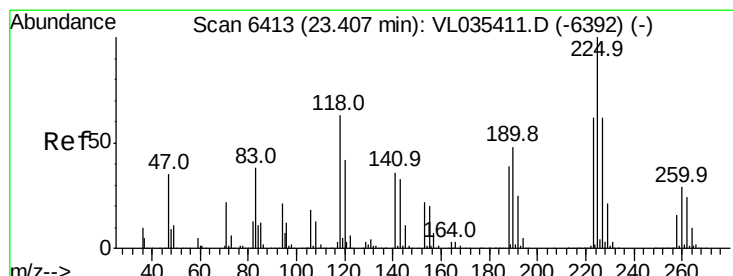
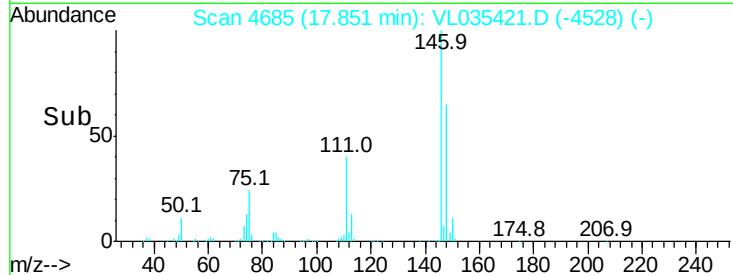
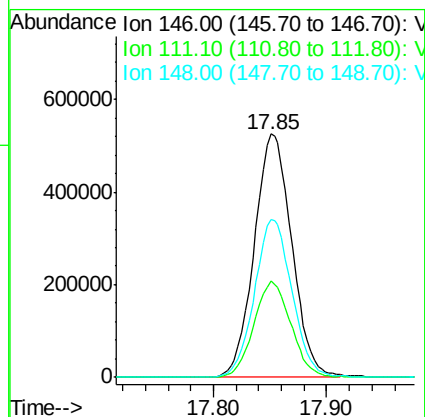
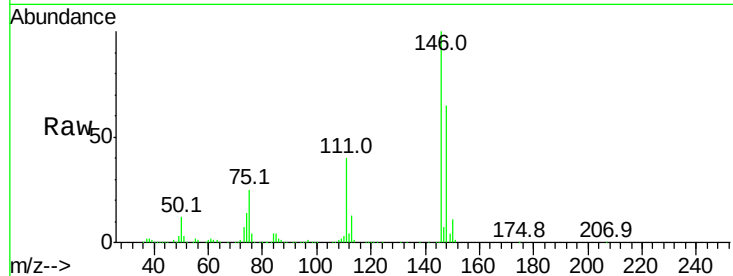




#77
 1,2-Dichlorobenzene
 Concen: 2.525 ppbv
 RT: 17.85 min Scan# 4685
 Delta R.T. 0.00 min
 Lab File: VL035421.D
 Acq: 17 Aug 2020 14:52

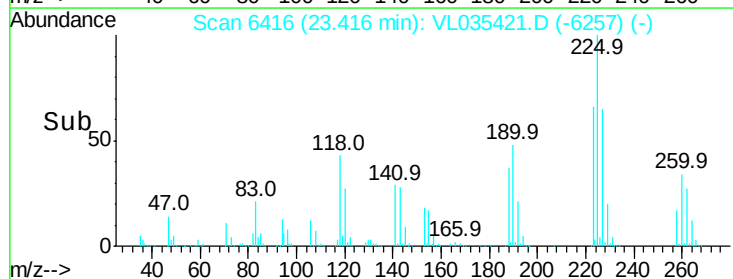
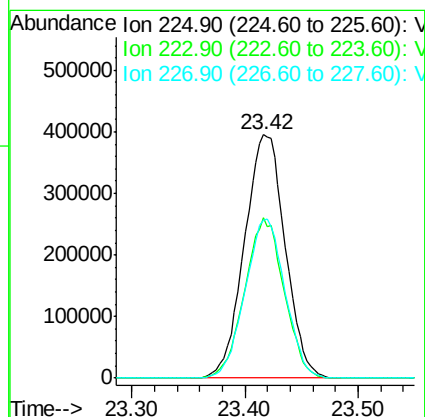
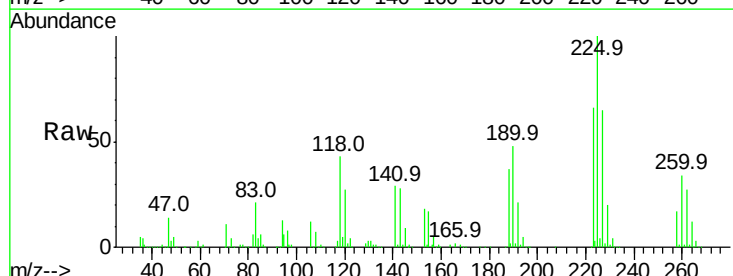
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

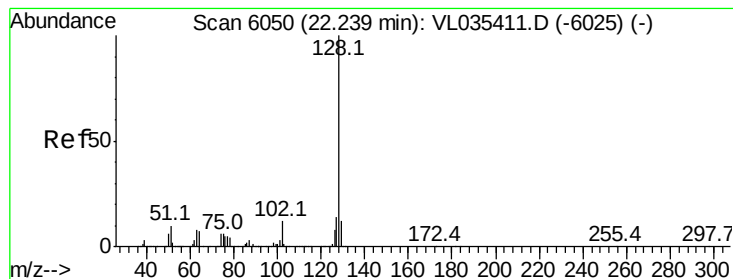
Tgt Ion:146 Resp: 1210495
 Ion Ratio Lower Upper
 146 100
 111 39.1 26.3 78.9
 148 65.1 32.0 96.0



#78
 Hexachloro-1,3-Butadiene
 Concen: 2.674 ppbv
 RT: 23.42 min Scan# 6416
 Delta R.T. 0.01 min
 Lab File: VL035421.D
 Acq: 17 Aug 2020 14:52

Tgt Ion:225 Resp: 984635
 Ion Ratio Lower Upper
 225 100
 223 63.7 50.3 75.5
 227 64.2 51.0 76.6





#79

Naphthalene

Concen: 2.348 ppbv

RT: 22.25 min Scan# 6052

Delta R.T. 0.01 min

Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

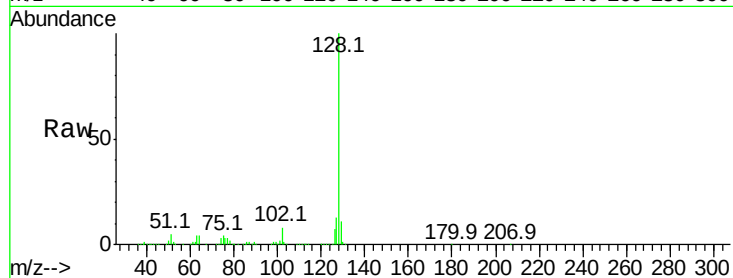
Tgt Ion:128 Resp: 2396710

Ion Ratio Lower Upper

128 100

127 12.9 11.4 17.0

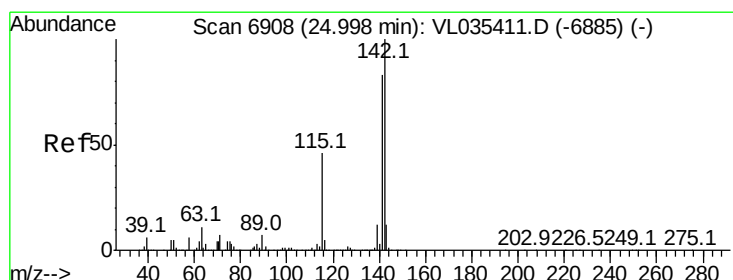
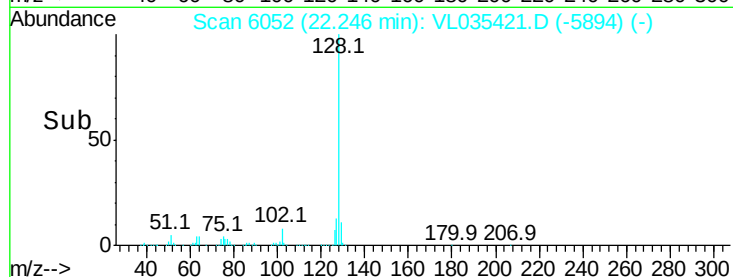
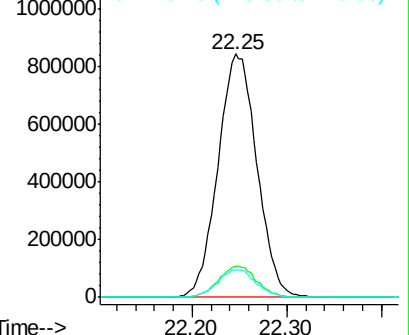
129 11.3 9.5 14.3



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: 2.235 ppbv

RT: 25.01 min Scan# 6911

Delta R.T. 0.01 min

Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

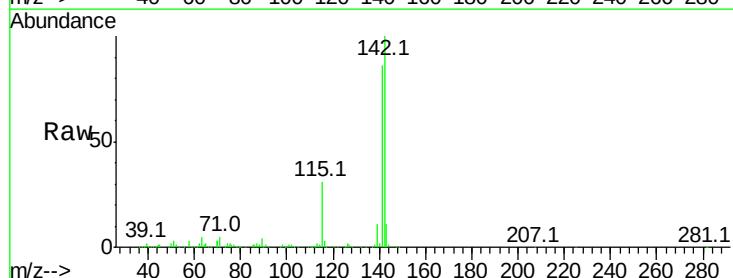
Tgt Ion:142 Resp: 952009

Ion Ratio Lower Upper

142 100

141 84.0 67.1 100.7

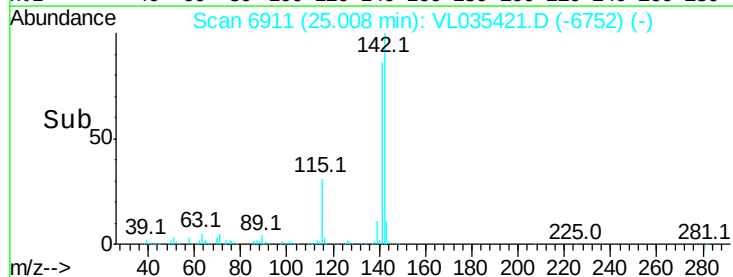
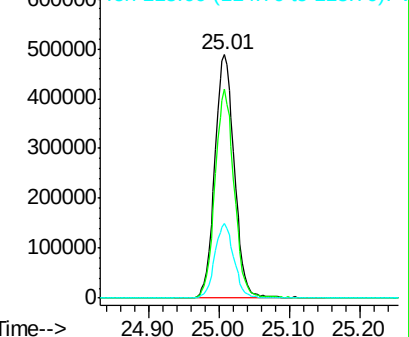
115 30.0 36.1 54.1#

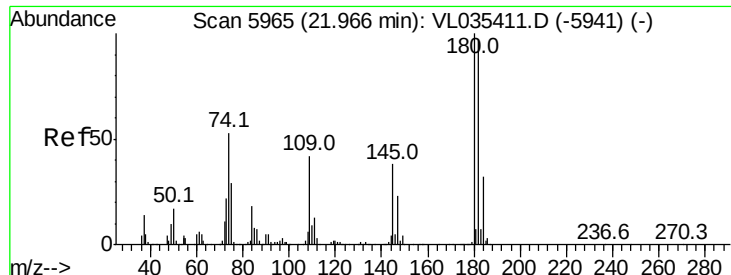


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 2.888 ppbv
 RT: 21.98 min Scan# 5968
 Delta R.T. 0.01 min
 Lab File: VL035421.D
 Acq: 17 Aug 2020 14:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion:180 Resp: 1397156
 Ion Ratio Lower Upper
 180 100
 182 95.7 76.6 115.0
 184 31.0 24.8 37.2

