

Data File : VL035339.D
Acq On : 5 Aug 2020 12:32
Operator : SY/AP
Sample : VSTDIC015
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Quant Time: Aug 05 13:01:33 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL080520AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 05 09:32:28 2020
QLast Update : Wed Aug 05 09:32:28 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1440781	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3539467	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3587761	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2893564	9.63	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.00	85	2036372	10.803	ppbv	100
3) Chlorodifluoromethane	2.94	51	2025581	12.233	ppbv	99
4) Chloromethane	3.09	50	1179366	12.473	ppbv	99
5) Vinyl Chloride	3.21	62	1198840	13.023	ppbv	96
6) Bromomethane	3.43	94	767121	12.668	ppbv	99
7) Chloroethane	3.52	64	471477	12.883	ppbv	96
8) Dichlorotetrafluoroethane	3.14	85	2687666	11.820	ppbv	100
9) Propene	2.96	41	836372	13.979	ppbv	98
10) Heptane	8.13	43	2433768	15.849	ppbv	98
11) Trichlorofluoromethane	3.91	101	3050056	12.388	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	2198672	12.811	ppbv	100
13) Ethanol	3.56	45	220104	9.958	ppbv	94
14) Bromoethene	3.70	108	972046	13.754	ppbv	99
15) Acetone	3.81	43	2326593	11.167	ppbv	99
16) 1,3-Butadiene	3.28	39	1122167	14.443	ppbv	98
17) tert-Butyl alcohol	4.26	59	2487042	13.106	ppbv	99
18) 1,1-Dichloroethene	4.26	96	1022345	13.233	ppbv	89
19) Isopropyl Alcohol	3.93	45	1670009	12.761	ppbv	99
20) Methylene Chloride	4.31	84	921032	9.679	ppbv	96
21) Allyl Chloride	4.38	41	1623831	13.762	ppbv	99
22) trans-1,2-Dichloroethene	4.86	96	1009999	13.177	ppbv	97
23) Vinyl Acetate	5.05	43	2991817	14.492	ppbv	99
24) 1,1-Dichloroethane	4.99	63	2394787	12.466	ppbv	99
25) Ethyl Acetate	5.66	43	4250235	13.496	ppbv	100
26) Hexane	5.67	57	1929882	13.687	ppbv	98
27) Carbon Disulfide	4.52	76	2628772	13.856	ppbv	100
28) Methyl tert-Butyl Ether	5.01	73	2863134	13.512	ppbv	99
29) Chloroform	5.74	83	2990321	12.538	ppbv	98
30) Cyclohexane	7.13	84	1629666	15.408	ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	1894046	14.561	ppbv	95
32) 1,1,1-Trichloroethane	6.51	97	3033199	13.152	ppbv	100
34) 2-Butanone	5.22	43	2631453	14.121	ppbv	99
35) Carbon Tetrachloride	7.02	117	3221214	14.073	ppbv	98
36) Benzene	6.89	78	3717450	14.325	ppbv	98
37) 1,2-Dichloroethane	6.30	62	2356309	13.405	ppbv	99
38) Trichloroethene	7.84	130	1636364	17.161	ppbv	98
39) 1,2-Dichloropropane	7.62	63	1468727	14.362	ppbv	97
40) 1,4-Dioxane	7.83	88	590819	13.302	ppbv	92
41) Tetrahydrofuran	6.04	42	1444823	15.718	ppbv	100
42) Bromodichloromethane	7.80	83	3288213	13.710	ppbv	97
43) Methyl Methacrylate	8.02	69	1749026	16.132	ppbv	100

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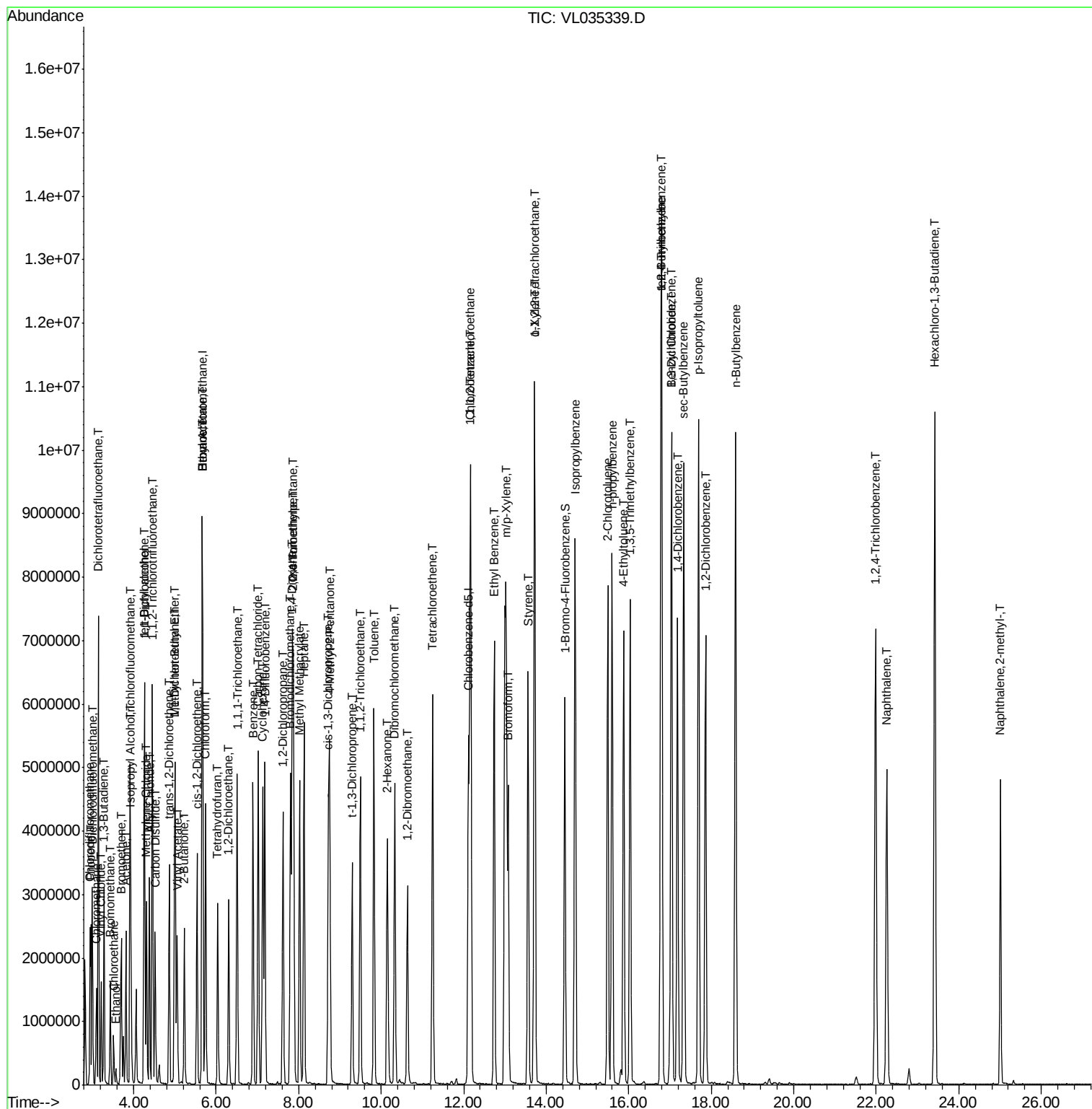
Quant Time: Aug 05 13:01:33 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL080520AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 05 09:32:28 2020
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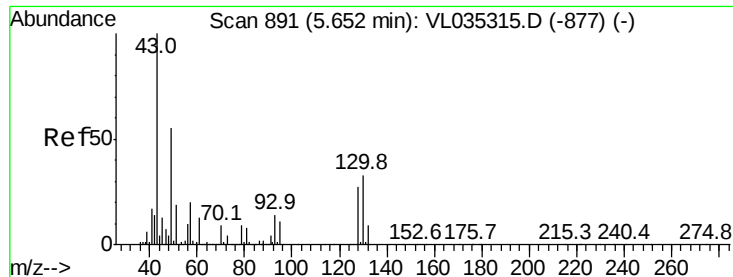
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	6340454	14.263	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	2008696	17.357	ppbv	99
46) cis-1,3-Dichloropropene	8.72	75	2342417	16.906	ppbv	100
47) 1,1,2-Trichloroethane	9.49	97	1672295	14.089	ppbv	98
48) Dibromochloromethane	10.33	129	2942513	15.237	ppbv	100
49) Bromoform	13.08	173	2734456	16.255	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	4169206	15.841	ppbv	99
51) 2-Hexanone	10.15	43	3471077	17.045	ppbv #	99
52) Tetrachloroethene	11.25	164	1482598	16.218	ppbv	98
53) Toluene	9.82	91	4549330	16.672	ppbv	99
54) 1,2-Dibromoethane	10.64	107	2600663	14.801	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.15	131	2235706	13.278	ppbv #	90
57) Chlorobenzene	12.18	112	3657682	13.321	ppbv	96
58) Ethyl Benzene	12.74	91	6082794	15.475	ppbv	100
59) m/p-Xylene	13.02	91	5144619	14.184	ppbv #	29
60) o-Xylene	13.73	91	5164520	14.403	ppbv	99
61) Styrene	13.56	104	3794377	17.210	ppbv	99
62) Isopropylbenzene	14.70	105	7546651	13.952	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.71	83	3753400	13.345	ppbv	98
64) n-propylbenzene	15.60	120	2174210	15.365	ppbv	89
65) tert-Butylbenzene	16.78	119	6982256	14.415	ppbv	99
66) Benzyl Chloride	17.03	91	3051913	16.297	ppbv	99
67) sec-Butylbenzene	17.34	105	9498727	13.870	ppbv	98
69) p-Isopropyltoluene	17.69	119	8172928	14.425	ppbv	98
70) n-Butylbenzene	18.59	91	8424076	13.821	ppbv	97
71) 2-Chlorotoluene	15.49	91	5990333	14.838	ppbv	99
72) 4-Ethyltoluene	15.88	105	6250889	15.450	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	5920952	14.940	ppbv	97
74) 1,2,4-Trimethylbenzene	16.81	105	6134918	13.501	ppbv	96
75) 1,3-Dichlorobenzene	17.04	146	3787675	13.400	ppbv	100
76) 1,4-Dichlorobenzene	17.18	146	3735758	13.962	ppbv	98
77) 1,2-Dichlorobenzene	17.86	146	3657513	14.031	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	2998141	14.166	ppbv	99
79) Naphthalene	22.26	128	6216075	17.284	ppbv	98
80) Naphthalene,2-methyl-	25.01	142	2569170	24.329	ppbv	98
81) 1,2,4-Trichlorobenzene	21.99	180	3494863	15.974	ppbv	100

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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.00 min

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VSTDIC015

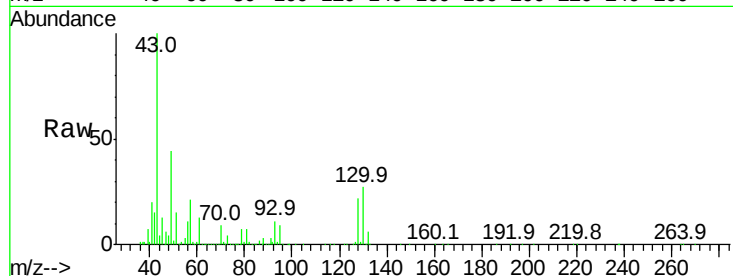
Tgt Ion: 49 Resp: 1440781

Ion Ratio Lower Upper

49 100

128 49.1 25.4 76.0

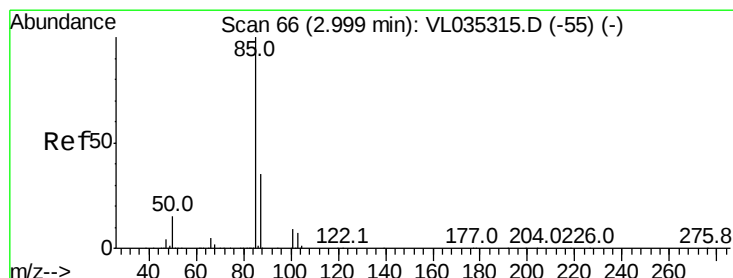
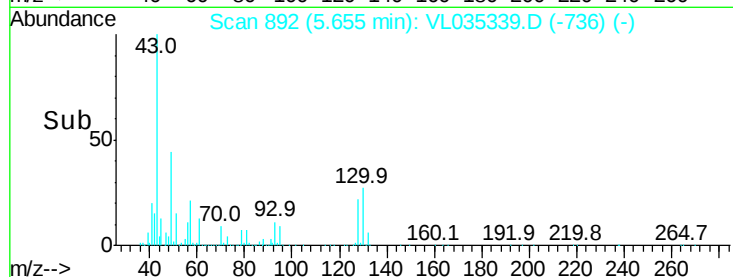
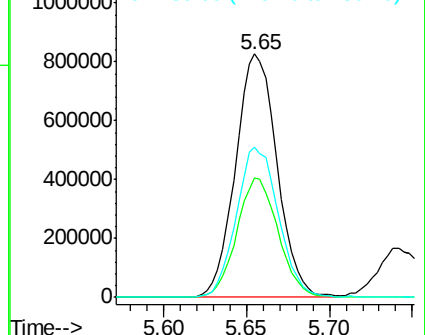
130 62.7 32.1 96.3



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 10.803 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.00 min

Lab File: VL035339.D

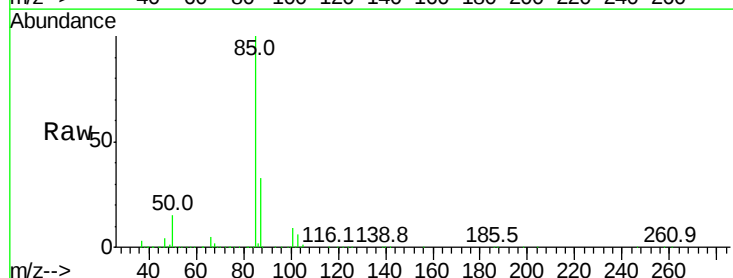
Acq: 5 Aug 2020 12:32

Tgt Ion: 85 Resp: 2036372

Ion Ratio Lower Upper

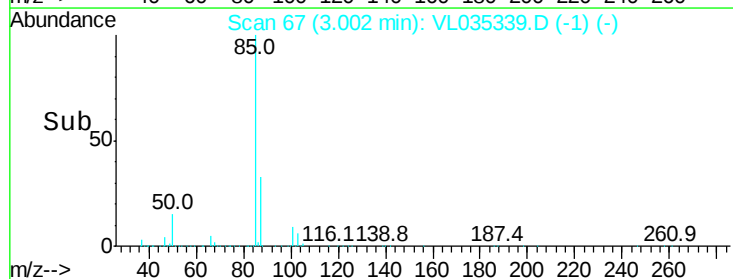
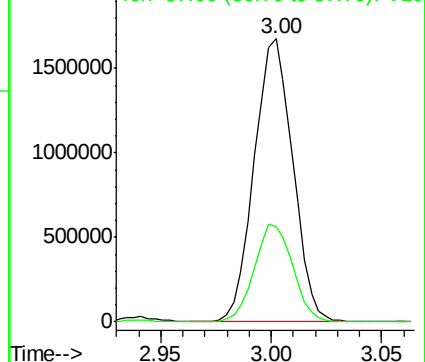
85 100

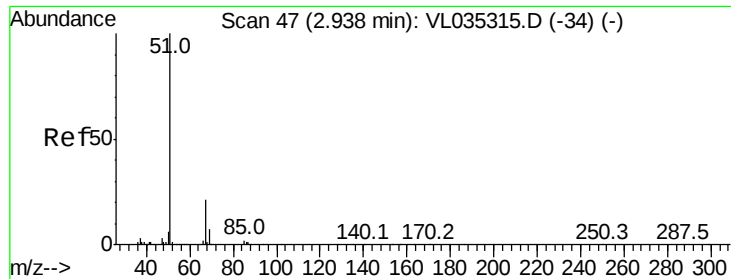
87 33.5 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

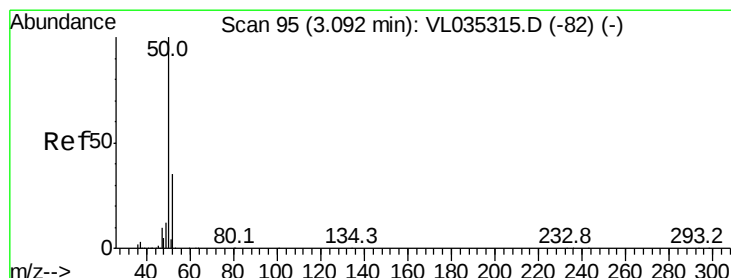
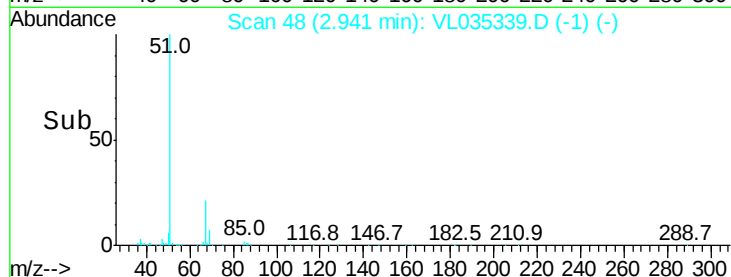
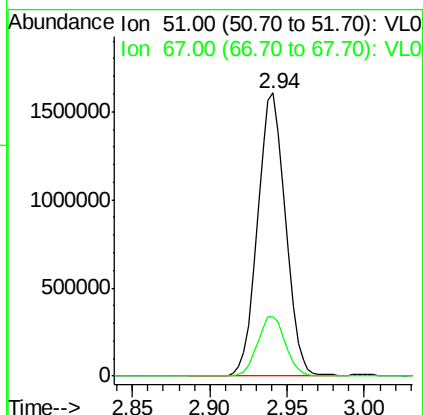
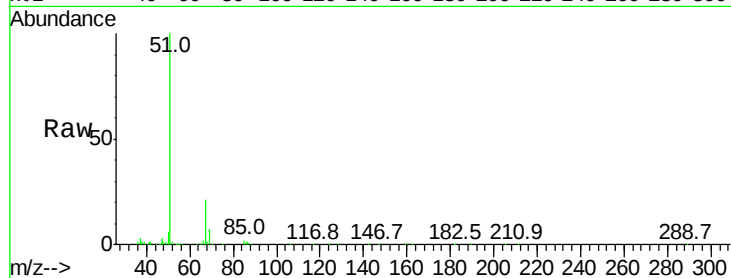




#3
 Chlorodifluoromethane
 Concen: 12.233 ppbv
 RT: 2.94 min Scan# 48
 Delta R.T. -0.00 min
 Lab File: VL035339.D
 Acq: 5 Aug 2020 12:32

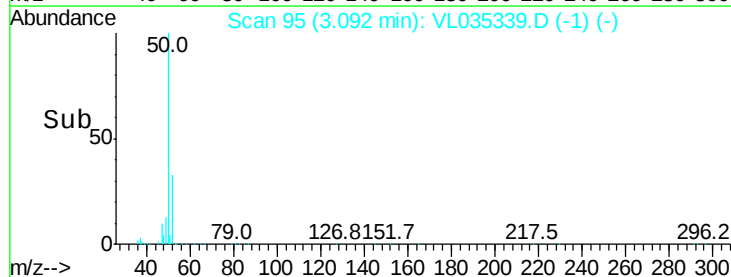
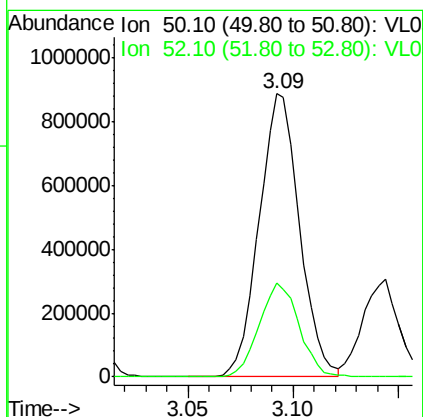
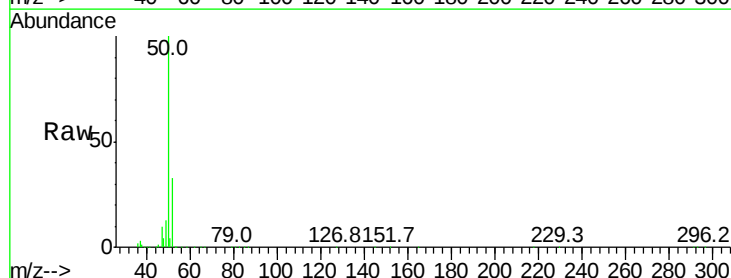
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

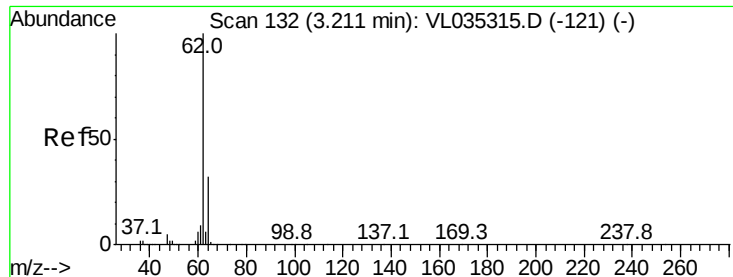
Tgt Ion: 51 Resp: 2025581
 Ion Ratio Lower Upper
 51 100
 67 21.3 16.6 25.0



#4
 Chloromethane
 Concen: 12.473 ppbv
 RT: 3.09 min Scan# 95
 Delta R.T. -0.00 min
 Lab File: VL035339.D
 Acq: 5 Aug 2020 12:32

Tgt Ion: 50 Resp: 1179366
 Ion Ratio Lower Upper
 50 100
 52 33.2 26.0 39.0





#5

Vinyl Chloride

Concen: 13.023 ppbv

RT: 3.21 min Scan# 132

Delta R.T. -0.00 min

Lab File: VL035339.D

Acq: 5 Aug 2020 12:32

Instrument :

MSVOA_L

ClientSampleId :

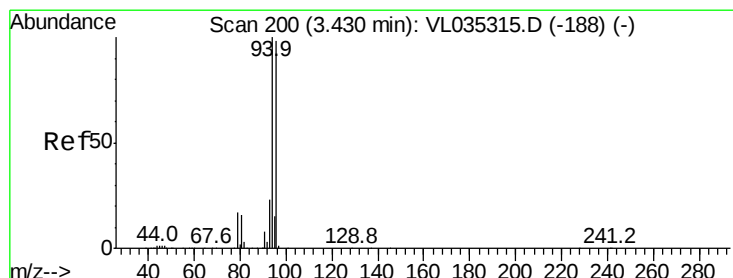
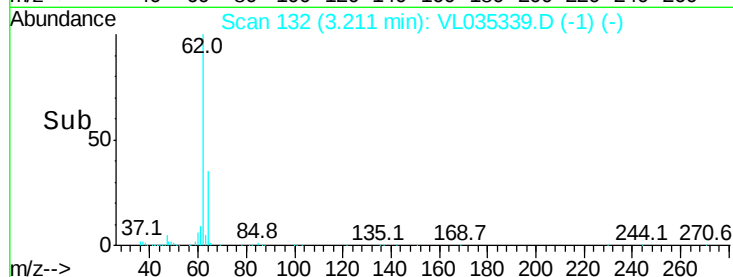
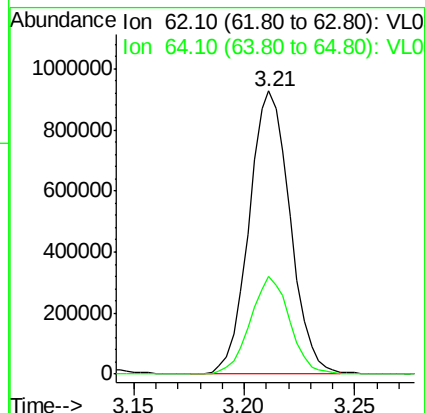
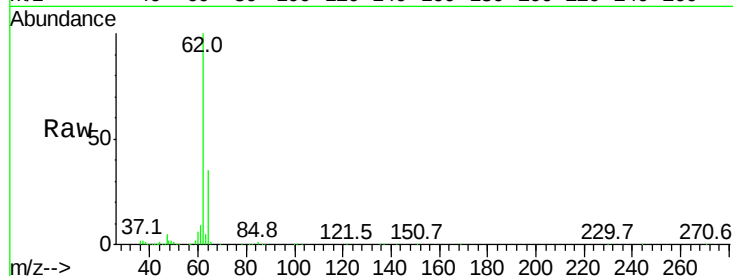
VSTDIC015

Tgt Ion: 62 Resp: 1198840

Ion Ratio Lower Upper

62 100

64 34.6 25.8 38.6



#6

Bromomethane

Concen: 12.668 ppbv

RT: 3.43 min Scan# 200

Delta R.T. -0.00 min

Lab File: VL035339.D

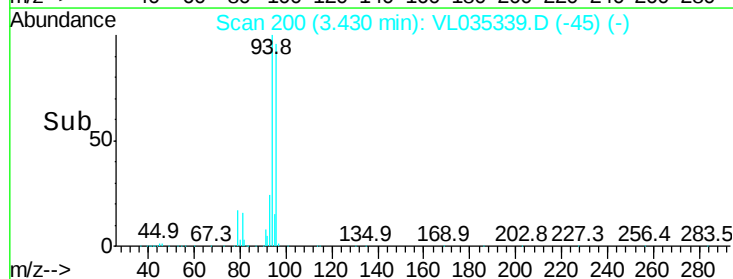
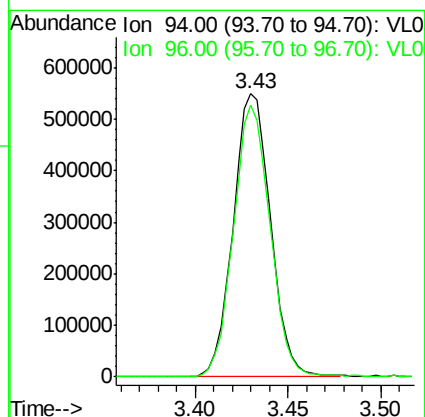
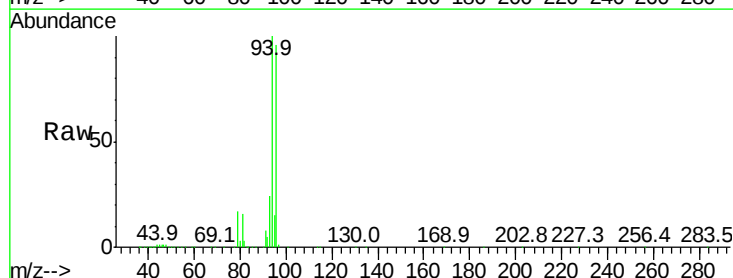
Acq: 5 Aug 2020 12:32

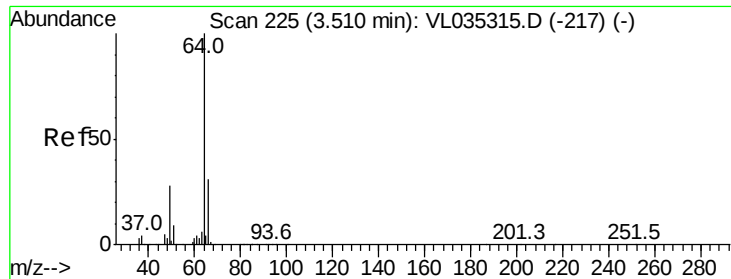
Tgt Ion: 94 Resp: 767121

Ion Ratio Lower Upper

94 100

96 96.0 77.3 115.9





#7

Chloroethane

Concen: 12.883 ppbv

RT: 3.52 min Scan# 227

Delta R.T. -0.00 min

Lab File: VL035339.D

Acq: 5 Aug 2020 12:32

Instrument :

MSVOA_L

ClientSampleId :

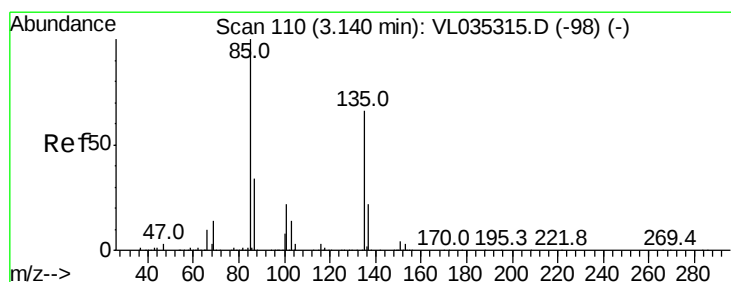
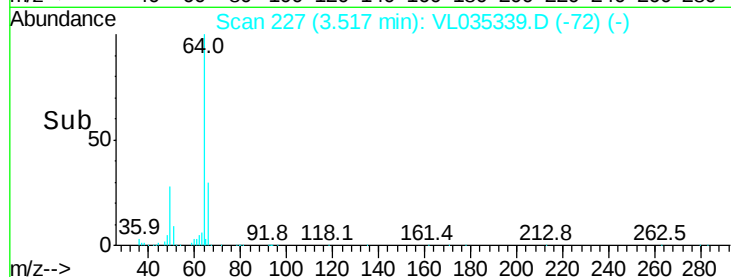
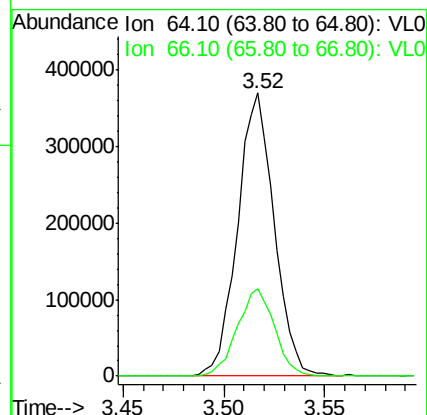
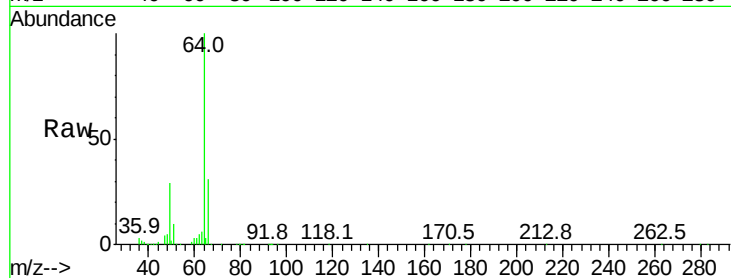
VSTDIC015

Tgt Ion: 64 Resp: 471477

Ion Ratio Lower Upper

64 100

66 31.1 23.0 34.6



#8

Dichlorotetrafluoroethane

Concen: 11.820 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL035339.D

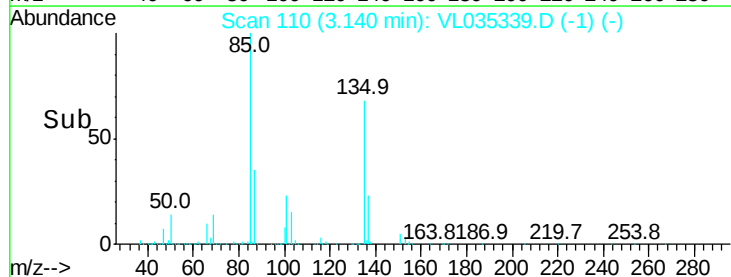
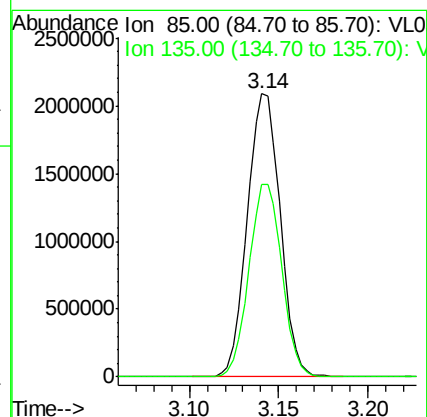
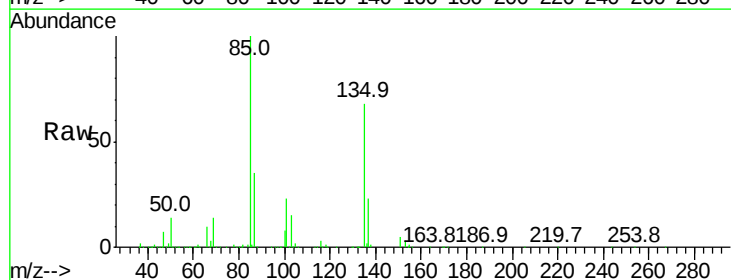
Acq: 5 Aug 2020 12:32

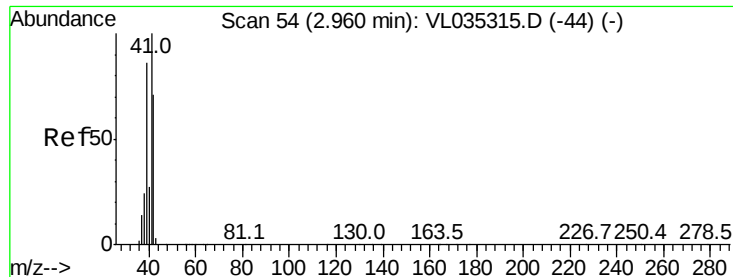
Tgt Ion: 85 Resp: 2687666

Ion Ratio Lower Upper

85 100

135 68.3 54.5 81.7





#9

Propene

Concen: 13.979 ppbv

RT: 2.96 min Scan# 54

Delta R.T. -0.00 min

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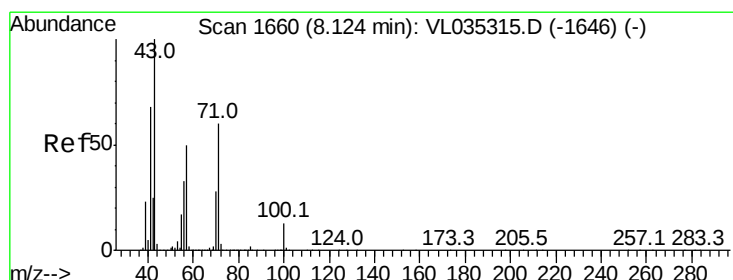
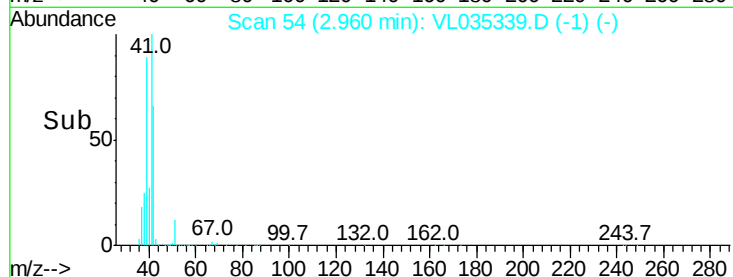
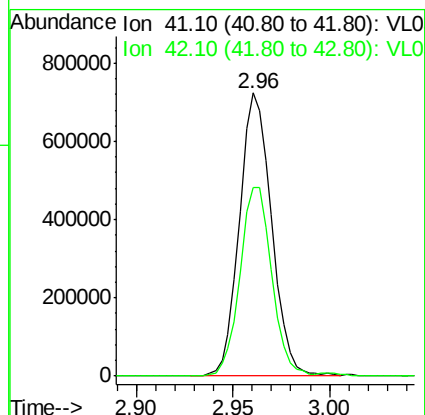
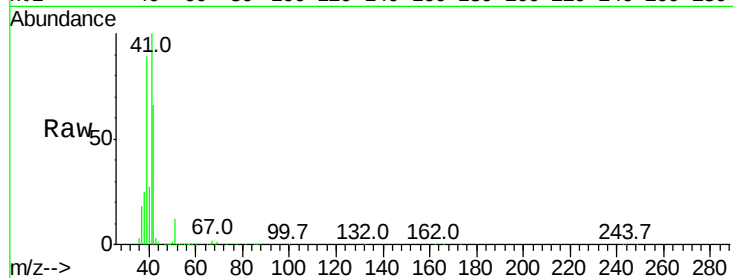
VSTDIC015

Tgt Ion: 41 Resp: 836372

Ion Ratio Lower Upper

41 100

42 67.1 55.3 82.9



#10

Heptane

Concen: 15.849 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VL035339.D

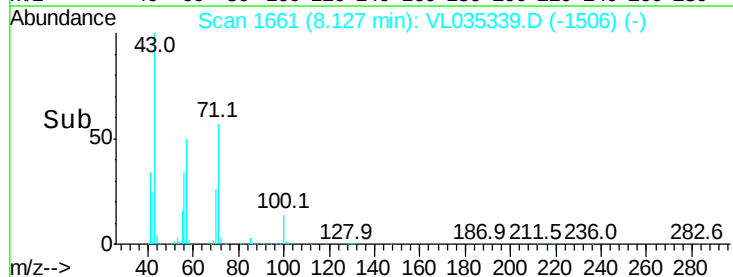
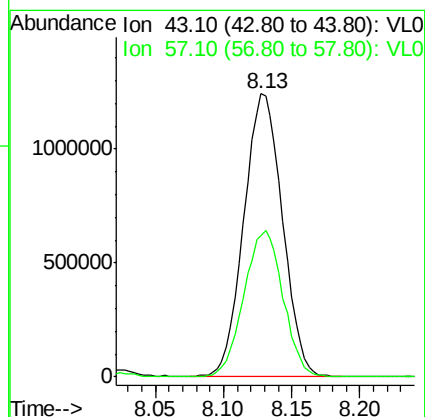
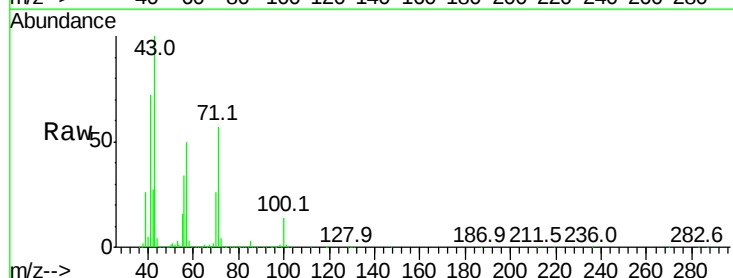
Acq: 5 Aug 2020 12:32

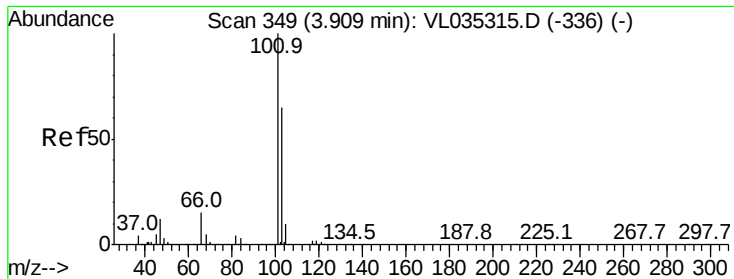
Tgt Ion: 43 Resp: 2433768

Ion Ratio Lower Upper

43 100

57 52.6 43.0 64.6





#11

Trichlorofluoromethane

Concen: 12.388 ppbv

RT: 3.91 min Scan# 350

Delta R.T. -0.00 min

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ClientSampleId :

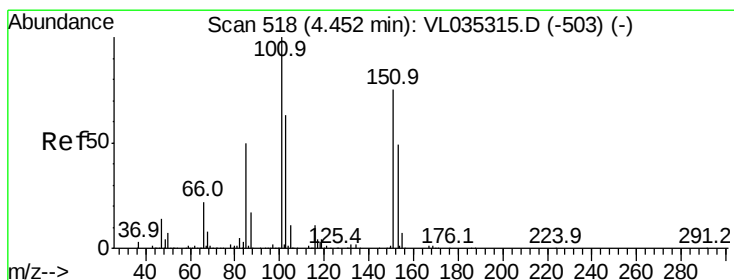
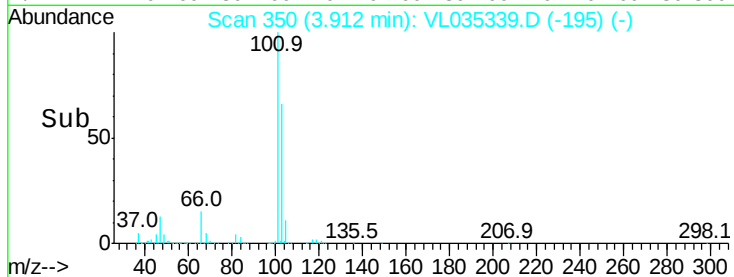
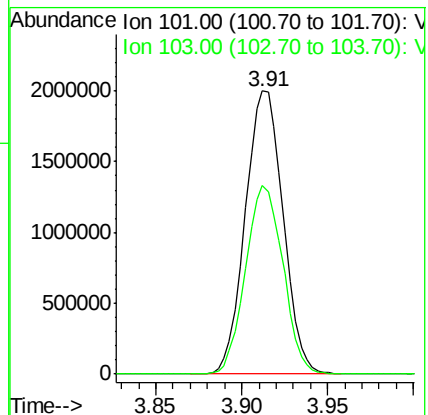
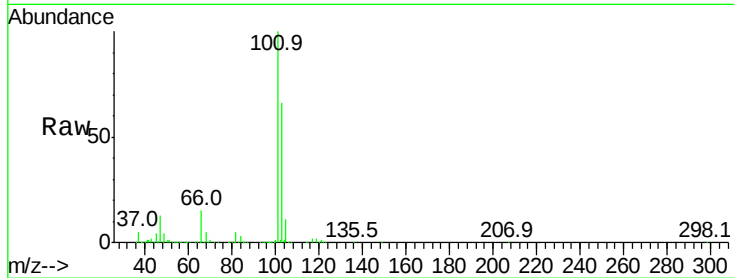
VSTDIC015

Tgt Ion:101 Resp: 3050056

Ion Ratio Lower Upper

101 100

103 66.5 53.8 80.8



#12

1,1,2-Trichlorotrifluoroethane

Concen: 12.811 ppbv

RT: 4.46 min Scan# 519

Delta R.T. -0.00 min

Lab File: VL035339.D

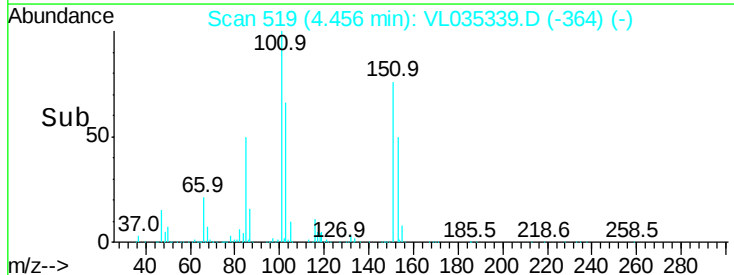
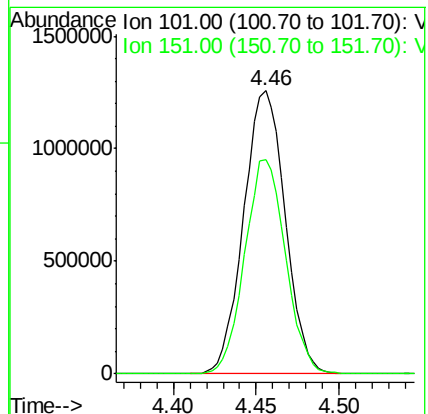
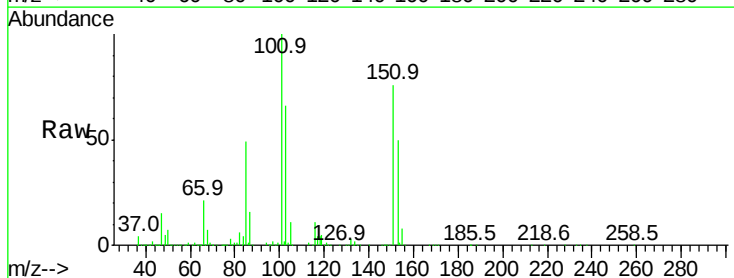
Acq: 5 Aug 2020 12:32

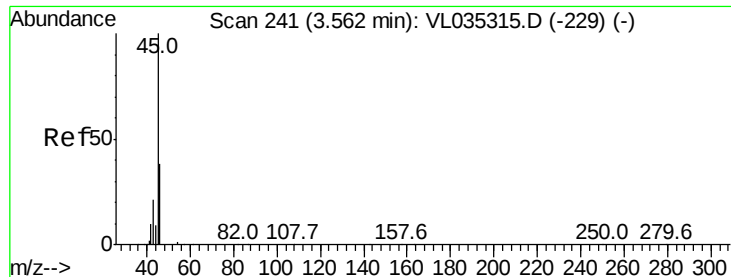
Tgt Ion:101 Resp: 2198672

Ion Ratio Lower Upper

101 100

151 74.3 59.5 89.3





#13

Ethanol

Concen: 9.958 ppbv

RT: 3.56 min Scan# 242

Delta R.T. -0.00 min

Lab File: VL035339.D

Acq: 5 Aug 2020 12:32

Instrument :

MSVOA_L

ClientSampleId :

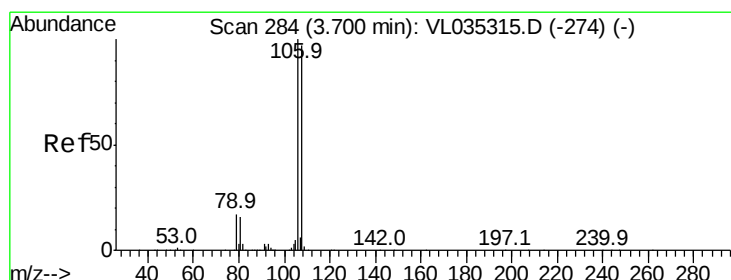
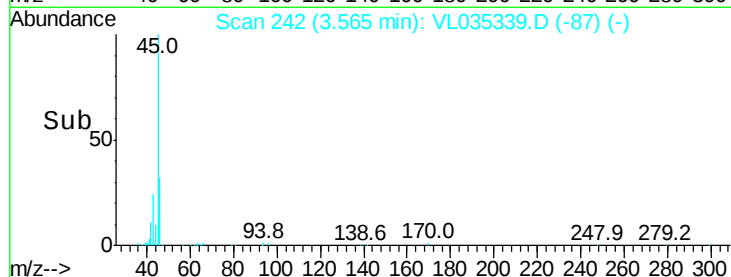
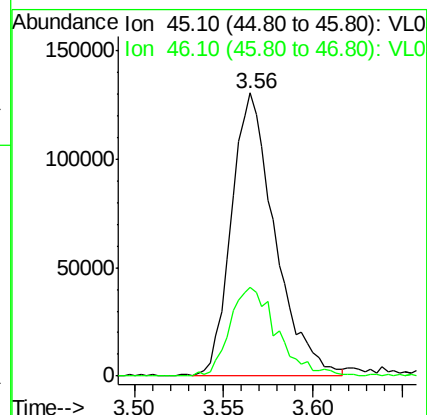
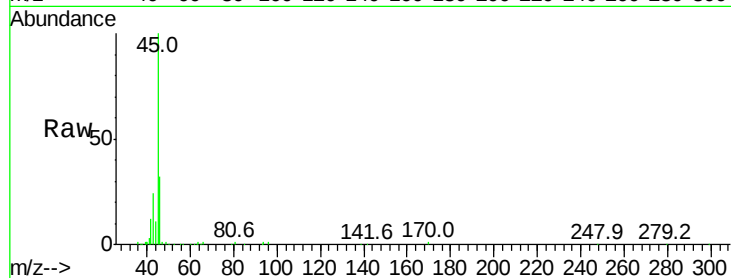
VSTDIC015

Tgt Ion: 45 Resp: 220104

Ion Ratio Lower Upper

45 100

46 34.6 15.2 61.0



#14

Bromoethene

Concen: 13.754 ppbv

RT: 3.70 min Scan# 284

Delta R.T. -0.00 min

Lab File: VL035339.D

Acq: 5 Aug 2020 12:32

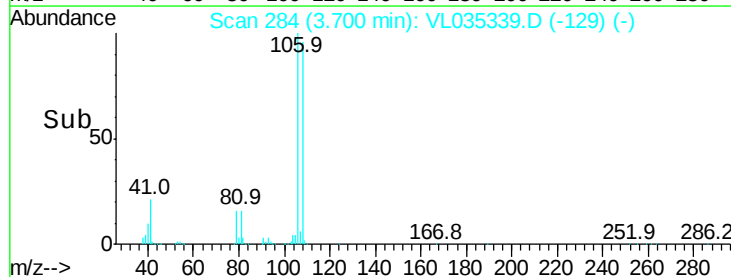
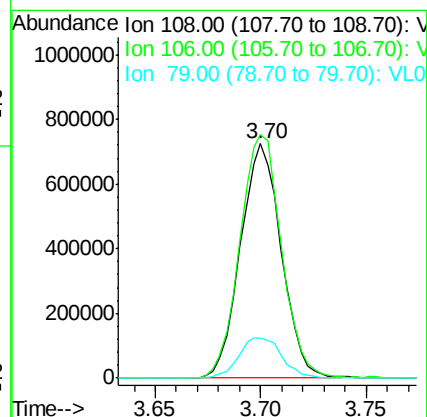
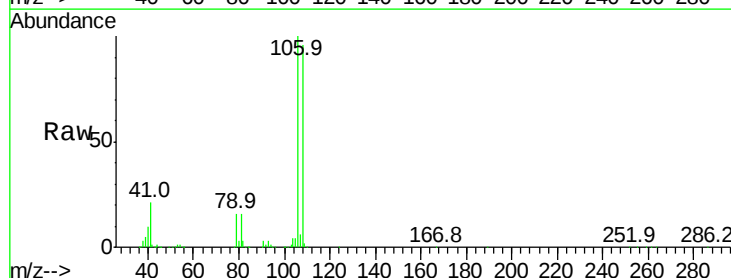
Tgt Ion: 108 Resp: 972046

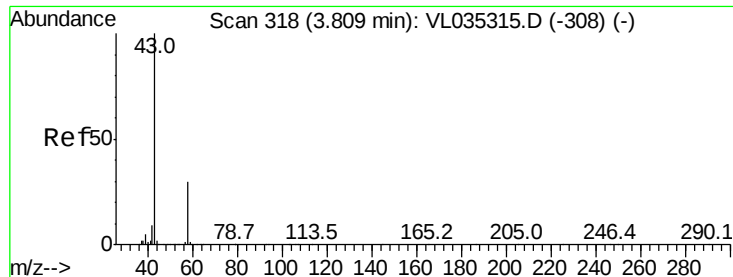
Ion Ratio Lower Upper

108 100

106 106.8 85.0 127.6

79 18.5 15.0 22.6





#15

Acetone

Concen: 11.167 ppbv

RT: 3.81 min Scan# 319

Delta R.T. -0.00 min

Lab File: VL035339.D

Acq: 5 Aug 2020 12:32

Instrument :

MSVOA_L

ClientSampleId :

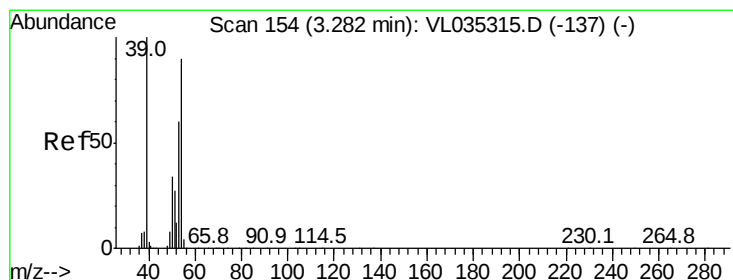
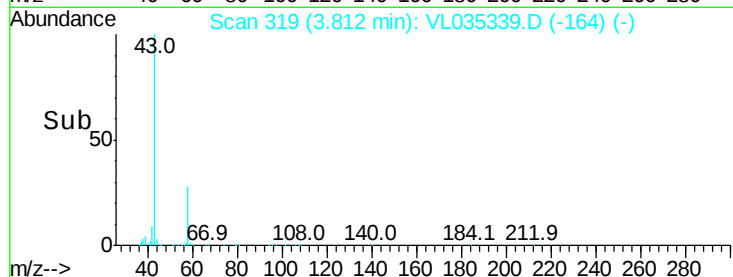
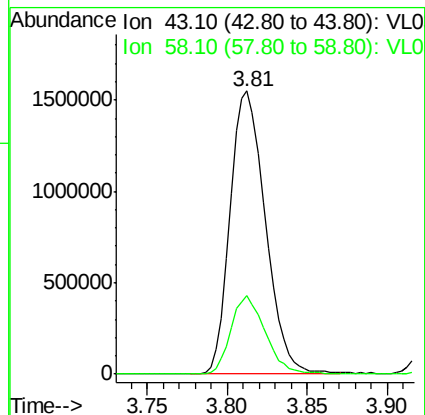
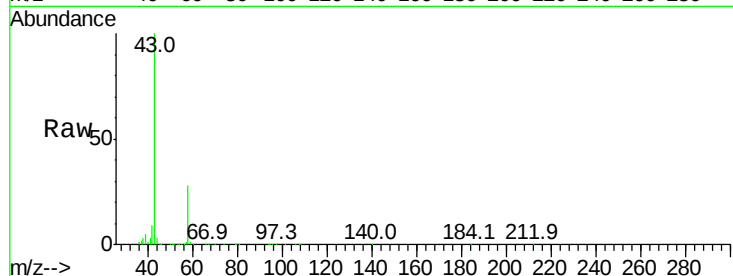
VSTDIC015

Tgt Ion: 43 Resp: 2326593

Ion Ratio Lower Upper

43 100

58 26.9 21.0 31.4



#16

1,3-Butadiene

Concen: 14.443 ppbv

RT: 3.28 min Scan# 154

Delta R.T. -0.00 min

Lab File: VL035339.D

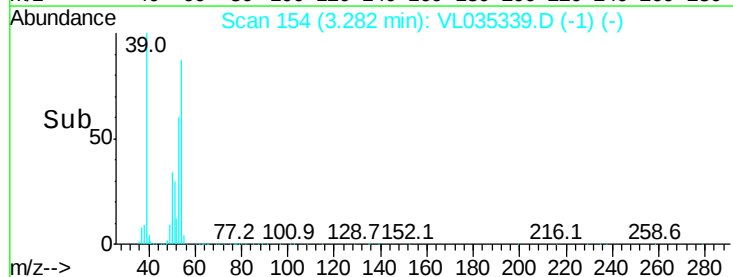
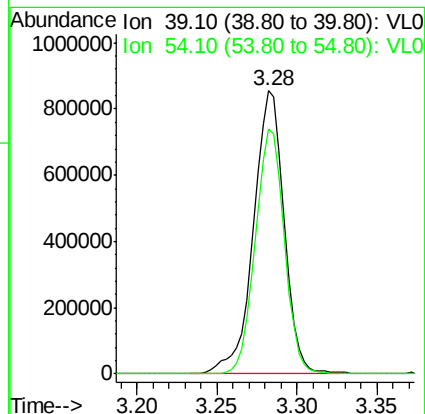
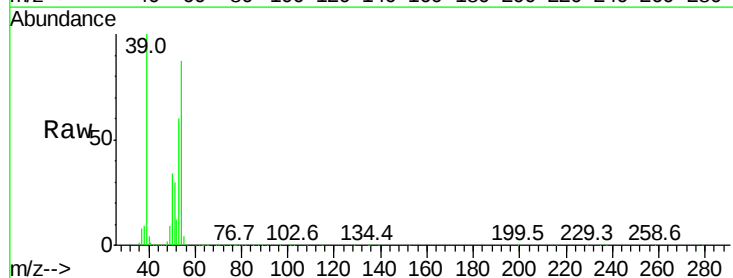
Acq: 5 Aug 2020 12:32

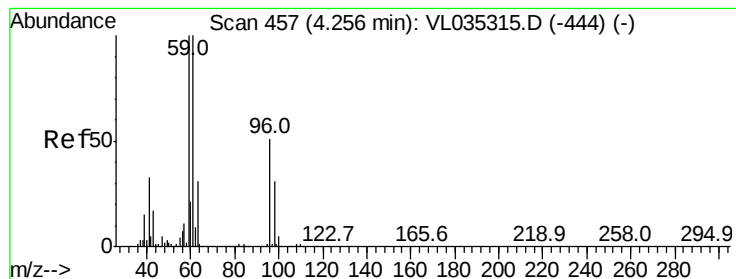
Tgt Ion: 39 Resp: 1122167

Ion Ratio Lower Upper

39 100

54 81.9 64.4 96.6





#17

tert-Butyl alcohol

Concen: 13.106 ppbv

RT: 4.26 min Scan# 458

Delta R.T. 0.00 min

Lab File: VL035339.D

Acq: 5 Aug 2020 12:32

Instrument :

MSVOA_L

ClientSampleId :

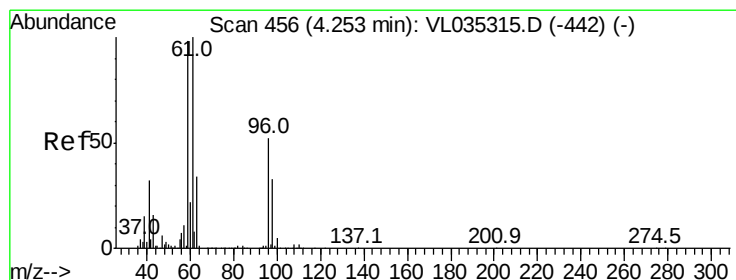
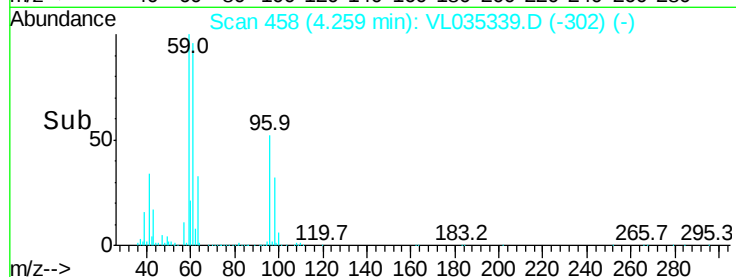
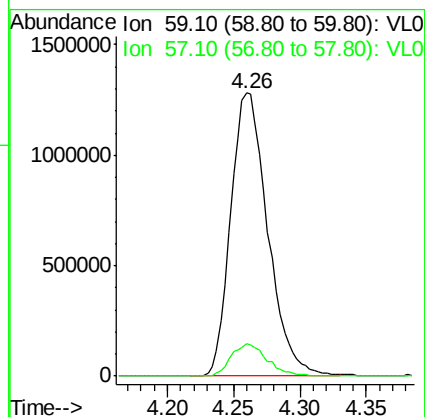
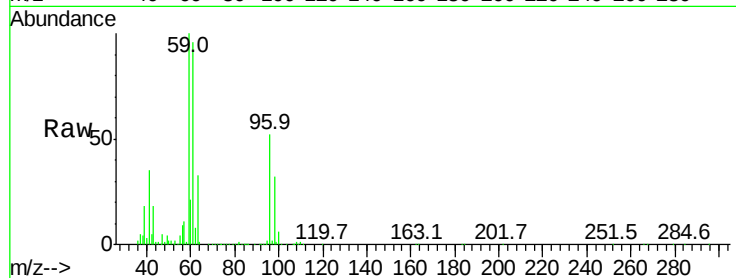
VSTDIC015

Tgt Ion: 59 Resp: 2487042

Ion Ratio Lower Upper

59 100

57 11.3 8.8 13.2



#18

1,1-Dichloroethene

Concen: 13.233 ppbv

RT: 4.26 min Scan# 457

Delta R.T. -0.00 min

Lab File: VL035339.D

Acq: 5 Aug 2020 12:32

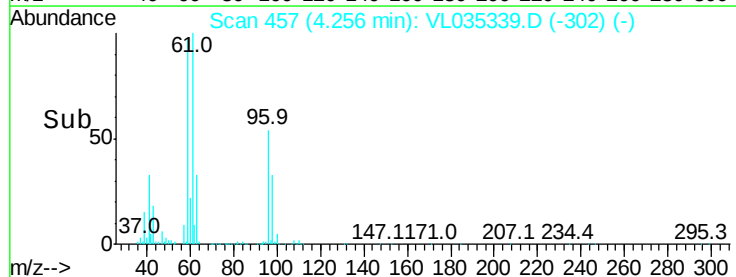
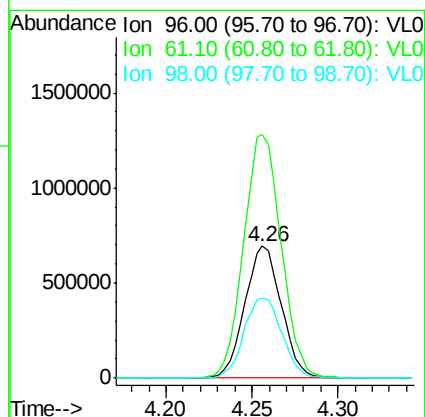
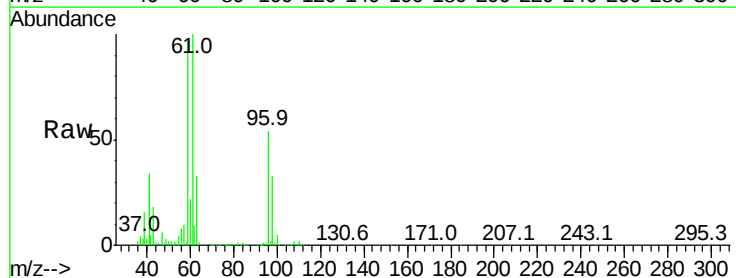
Tgt Ion: 96 Resp: 1022345

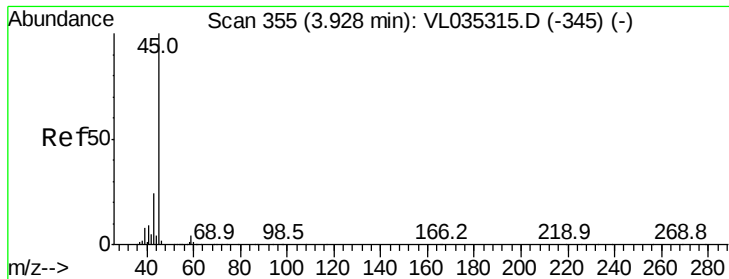
Ion Ratio Lower Upper

96 100

61 184.9 161.4 242.2

98 60.3 56.0 84.0

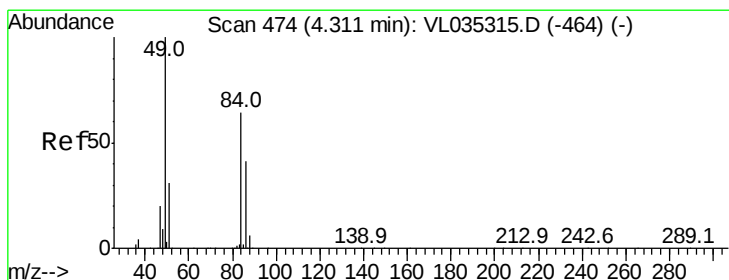
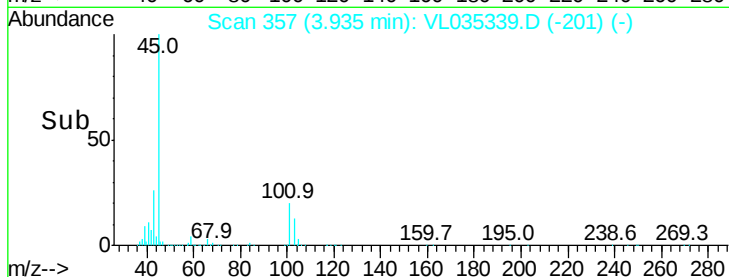
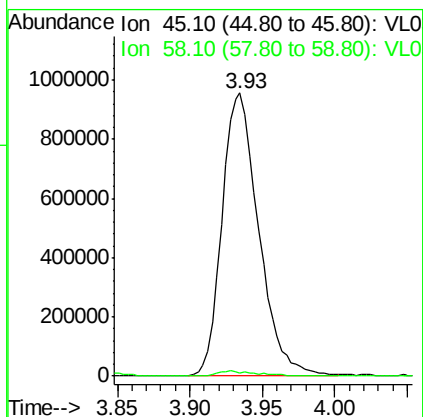
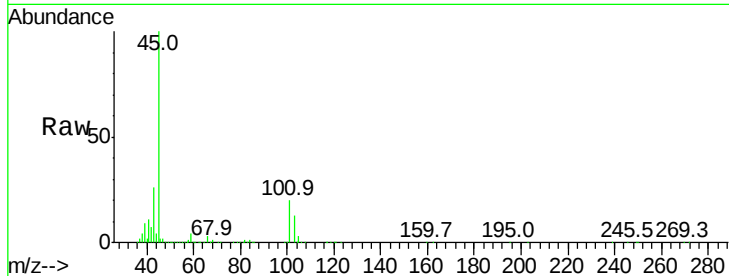




#19
Isopropyl Alcohol
Concen: 12.761 ppbv
RT: 3.93 min Scan# 357
Delta R.T. -0.00 min
Lab File: VL035339.D
Acq: 5 Aug 2020 12:32

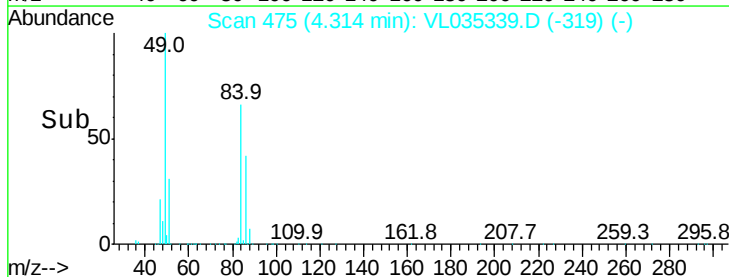
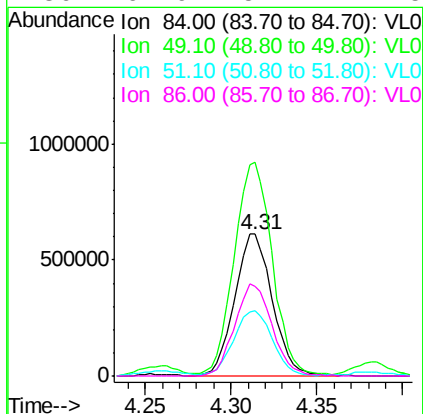
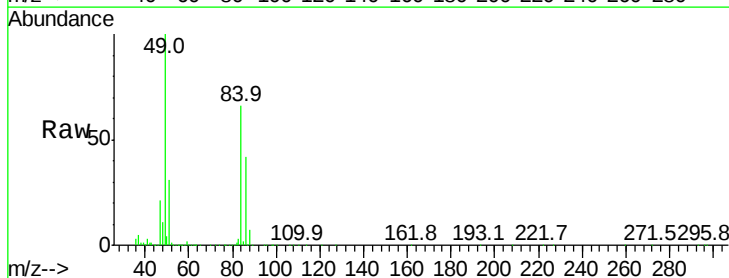
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

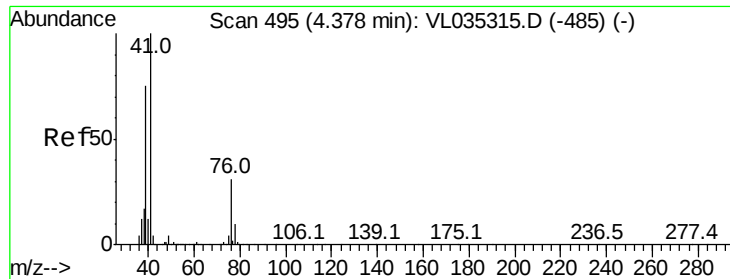
Tgt Ion: 45 Resp: 1670009
Ion Ratio Lower Upper
45 100
58 2.2 1.9 2.9



#20
Methylene Chloride
Concen: 9.679 ppbv
RT: 4.31 min Scan# 475
Delta R.T. 0.00 min
Lab File: VL035339.D
Acq: 5 Aug 2020 12:32

Tgt Ion: 84 Resp: 921032
Ion Ratio Lower Upper
84 100
49 149.3 122.8 184.2
51 45.7 40.1 60.1
86 62.9 51.7 77.5





#21

Allyl Chloride

Concen: 13.762 ppbv

RT: 4.38 min Scan# 496

Delta R.T. -0.00 min

Lab File: VL035339.D

Acq: 5 Aug 2020 12:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

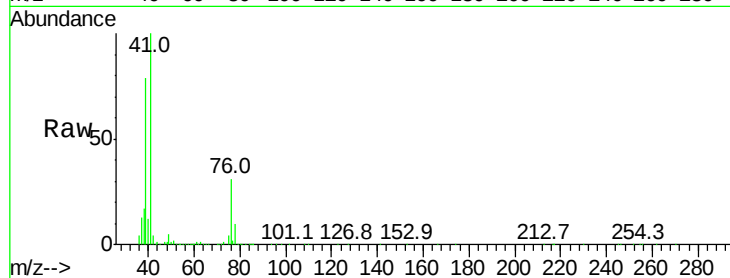
Tgt Ion: 41 Resp: 1623831

Ion Ratio Lower Upper

41 100

76 30.3 23.8 35.6

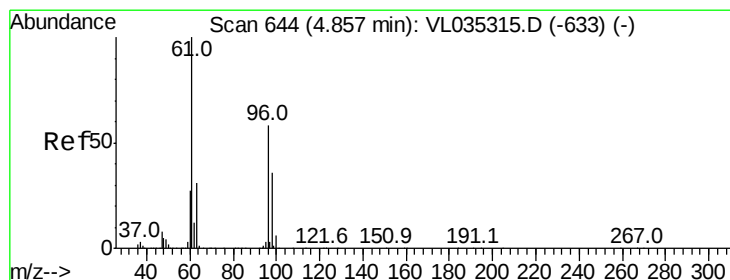
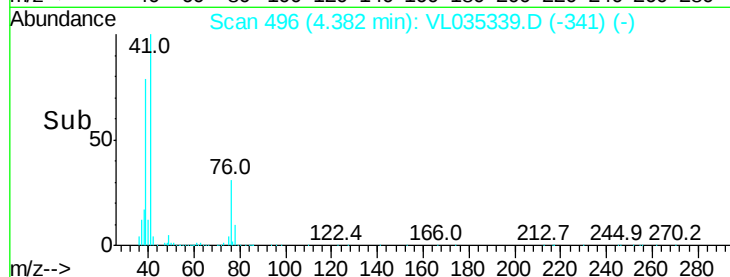
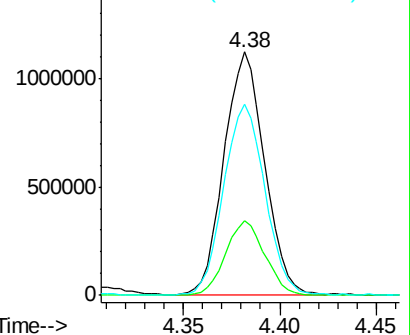
39 80.8 65.0 97.6



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: 13.177 ppbv

RT: 4.86 min Scan# 646

Delta R.T. 0.00 min

Lab File: VL035339.D

Acq: 5 Aug 2020 12:32

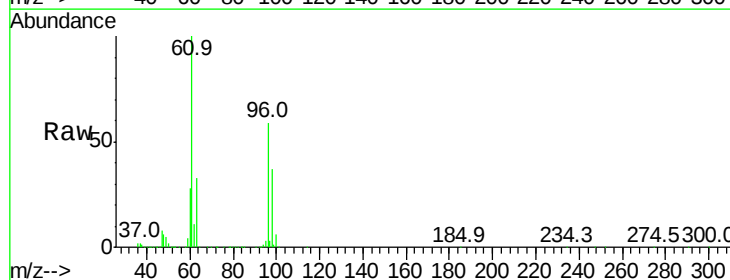
Tgt Ion: 96 Resp: 1009999

Ion Ratio Lower Upper

96 100

61 170.3 138.5 207.7

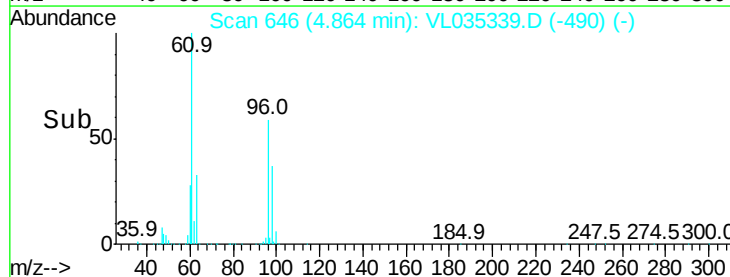
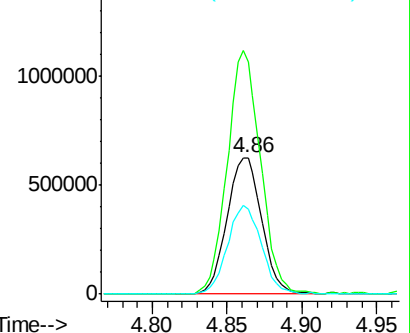
98 62.4 54.3 81.5

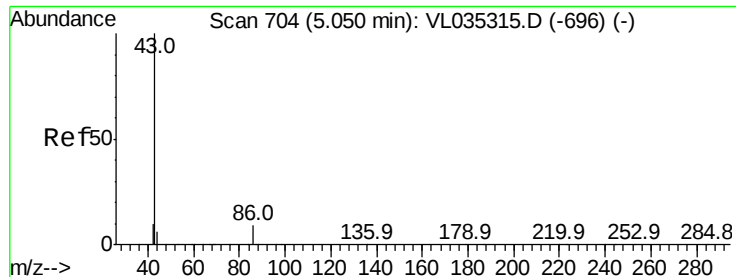


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 14.492 ppbv

RT: 5.05 min Scan# 705

Delta R.T. -0.00 min

Lab File: VL035339.D

Acq: 5 Aug 2020 12:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 43 Resp: 2991817

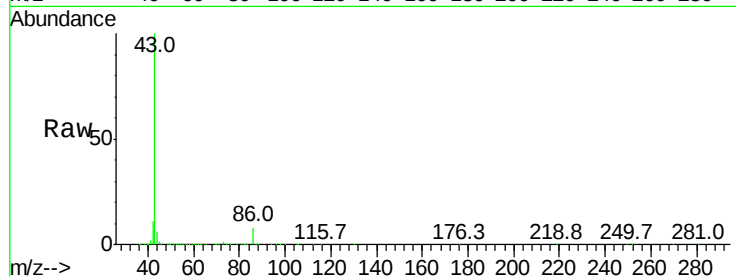
Ion	Ratio	Lower	Upper
43	100		
86	8.1	6.9	10.3
42	11.1	8.8	13.2
44	5.8	5.0	7.6

43 100

86 8.1 6.9 10.3

42 11.1 8.8 13.2

44 5.8 5.0 7.6



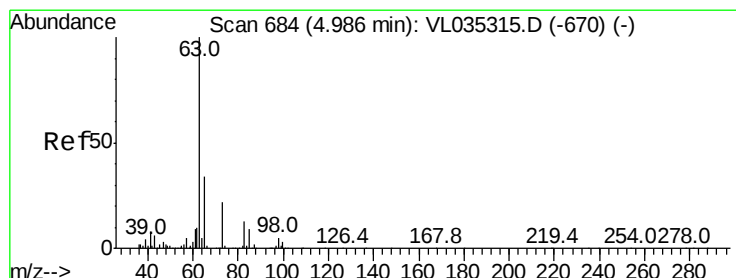
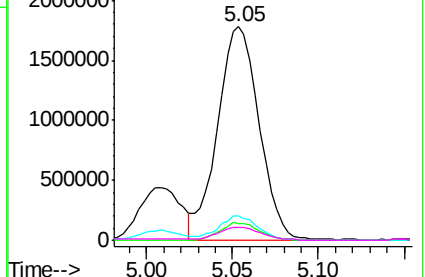
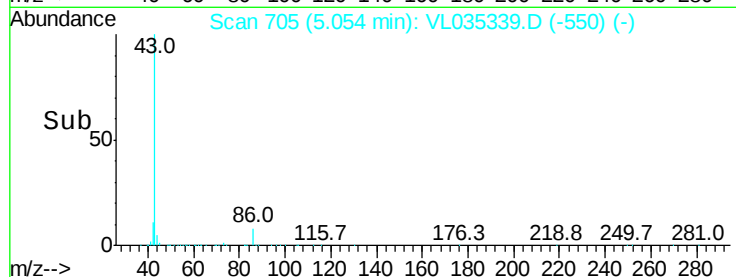
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0

Time-->



#24

1,1-Dichloroethane

Concen: 12.466 ppbv

RT: 4.99 min Scan# 685

Delta R.T. -0.00 min

Lab File: VL035339.D

Acq: 5 Aug 2020 12:32

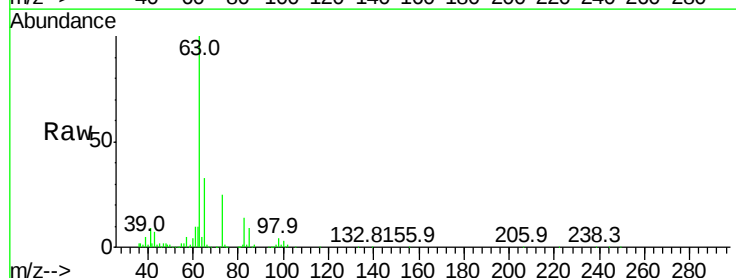
Tgt Ion: 63 Resp: 2394787

Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.5	7.5
100	2.9	1.4	4.2

63 100

98 4.4 2.5 7.5

100 2.9 1.4 4.2

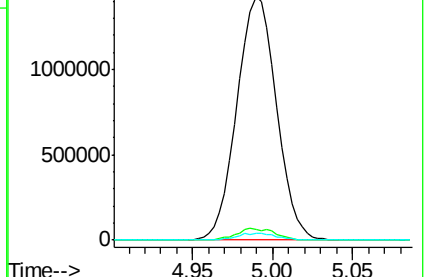
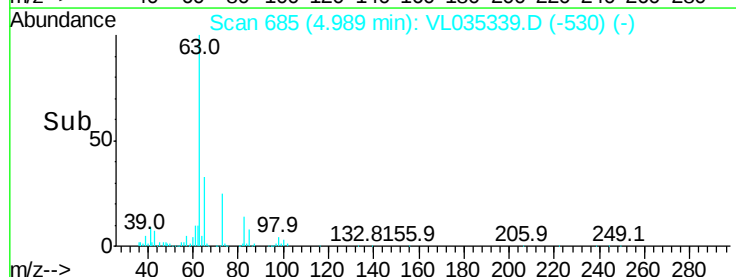


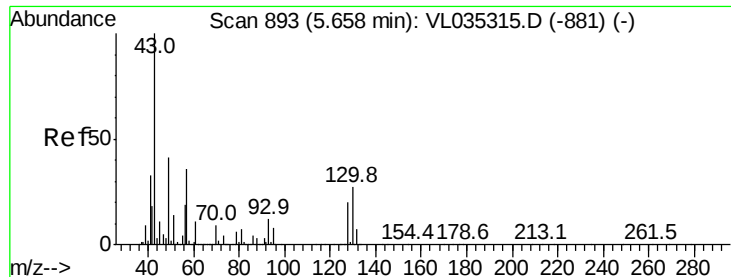
Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

Time-->



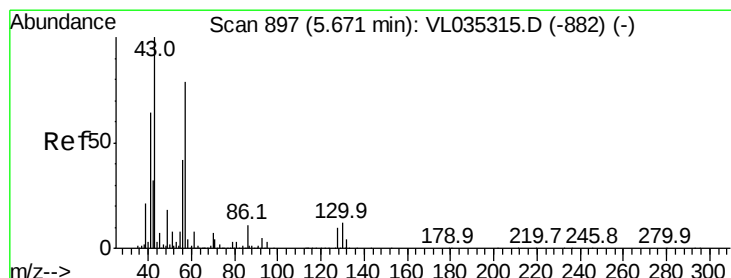
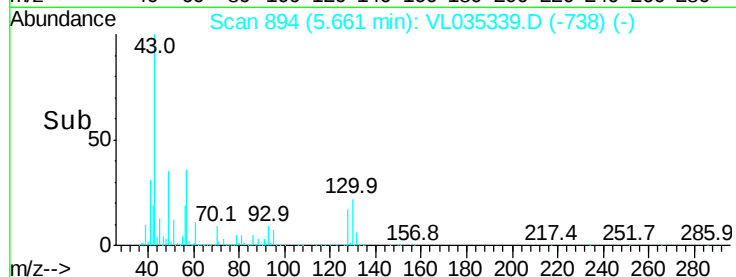
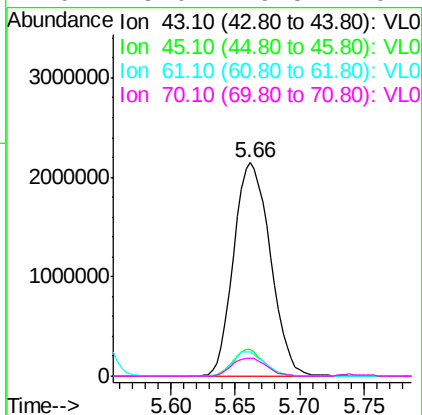
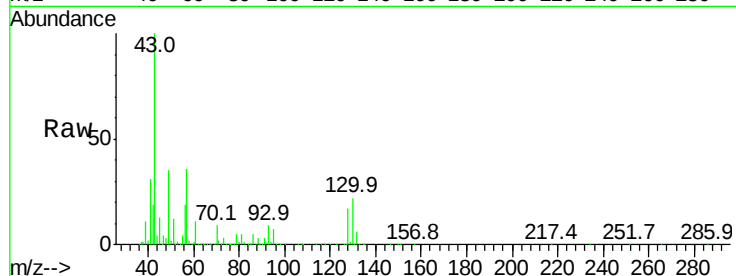


#25
Ethyl Acetate
Concen: 13.496 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.00 min
Lab File: VL035339.D
Acq: 5 Aug 2020 12:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 43 Resp: 4250235

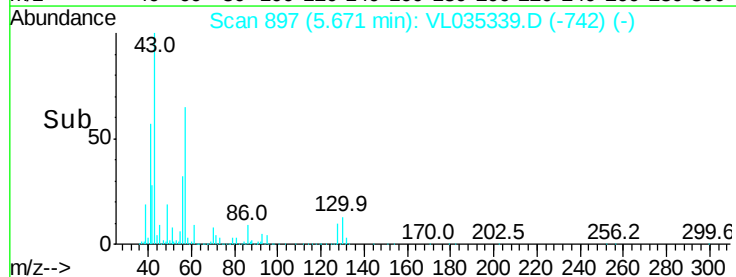
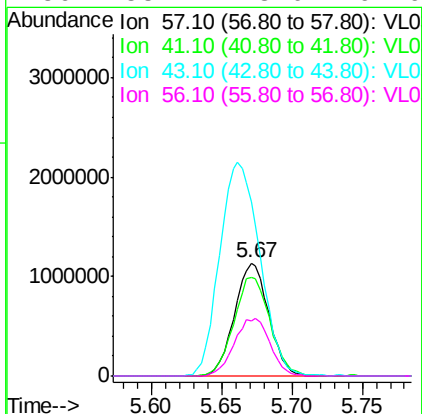
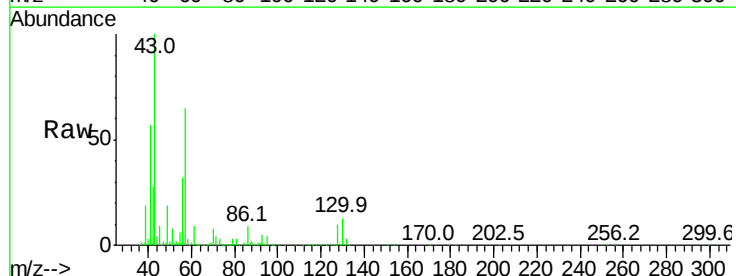
Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.5	12.7
61	10.3	8.1	12.1
70	8.0	6.5	9.7

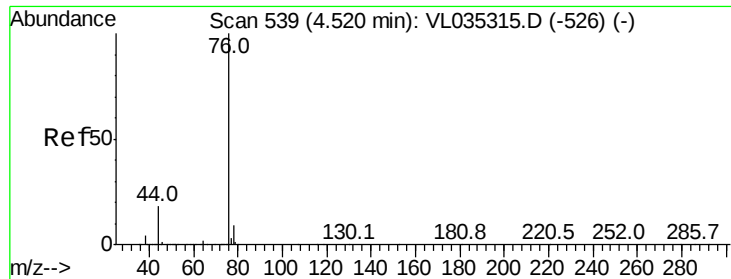


#26
Hexane
Concen: 13.687 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.00 min
Lab File: VL035339.D
Acq: 5 Aug 2020 12:32

Tgt Ion: 57 Resp: 1929882

Ion	Ratio	Lower	Upper
57	100		
41	93.1	75.2	112.8
43	221.1	180.6	270.8
56	53.4	43.0	64.6





#27

Carbon Disulfide

Concen: 13.856 ppbv

RT: 4.52 min Scan# 539

Delta R.T. -0.00 min

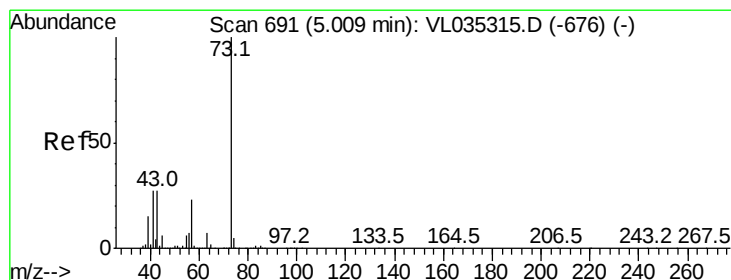
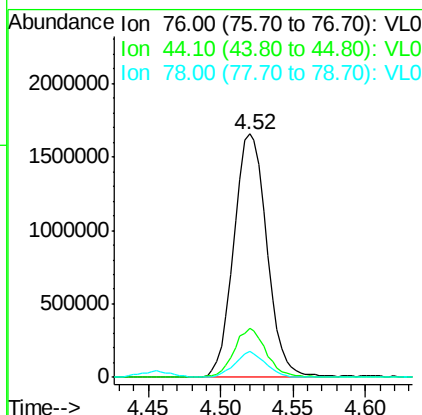
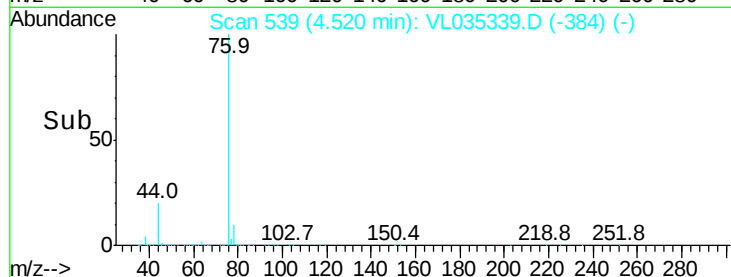
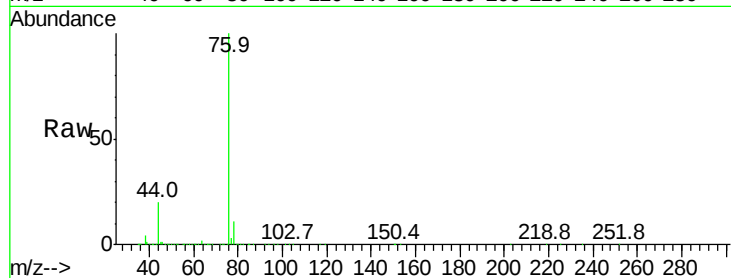
Lab File: VL035339.D

Acq: 5 Aug 2020 12:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 76 Resp: 2628772

Ion	Ratio	Lower	Upper
76	100		
44	19.3	15.4	23.2
78	10.0	7.7	11.5



#28

Methyl tert-Butyl Ether

Concen: 13.512 ppbv

RT: 5.01 min Scan# 691

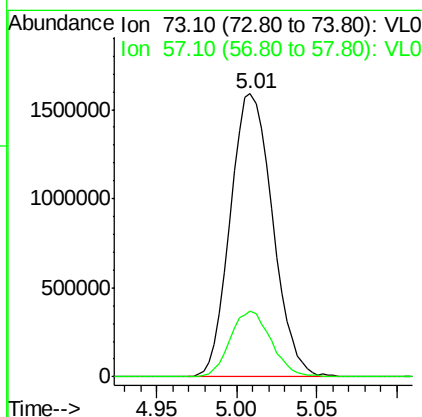
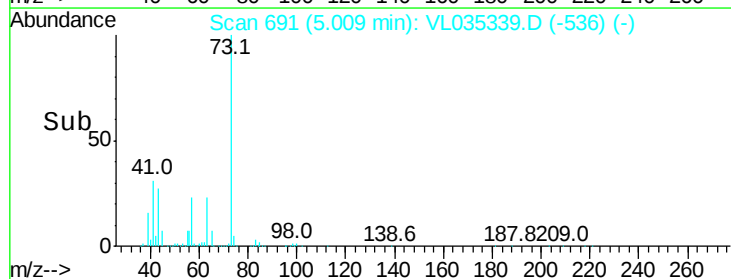
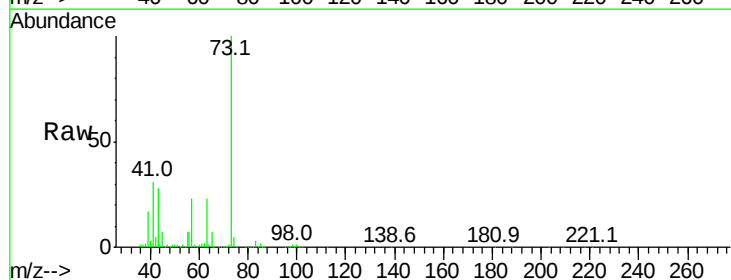
Delta R.T. -0.00 min

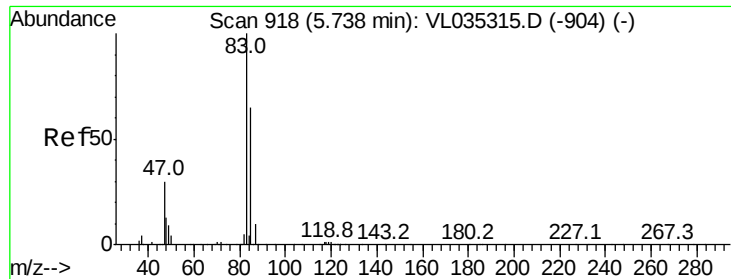
Lab File: VL035339.D

Acq: 5 Aug 2020 12:32

Tgt Ion: 73 Resp: 2863134

Ion	Ratio	Lower	Upper
73	100		
57	22.8	17.9	26.9

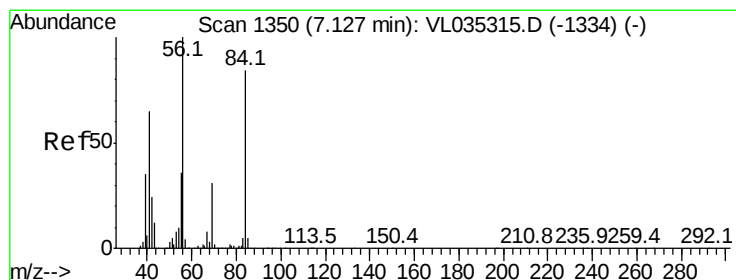
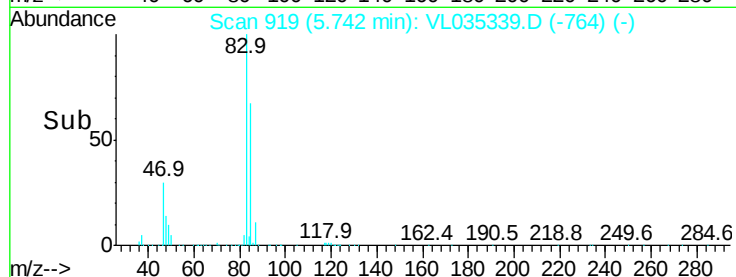
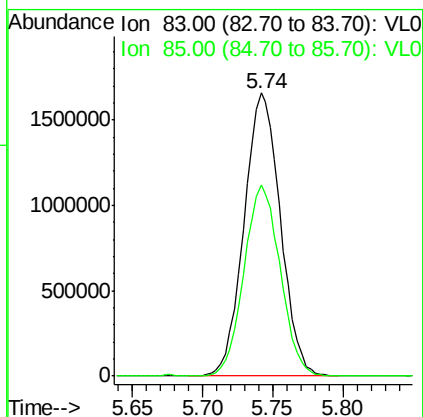
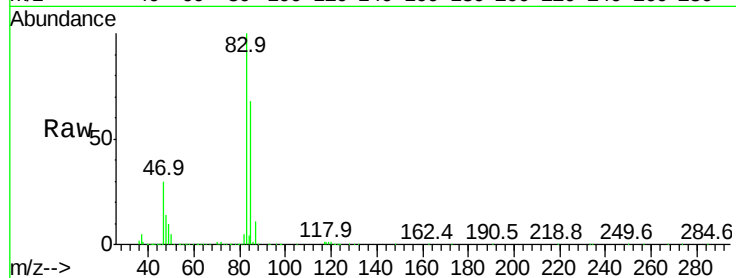




#29
Chloroform
Concen: 12.538 ppbv
RT: 5.74 min Scan# 919
Delta R.T. -0.00 min
Lab File: VL035339.D
Acq: 5 Aug 2020 12:32

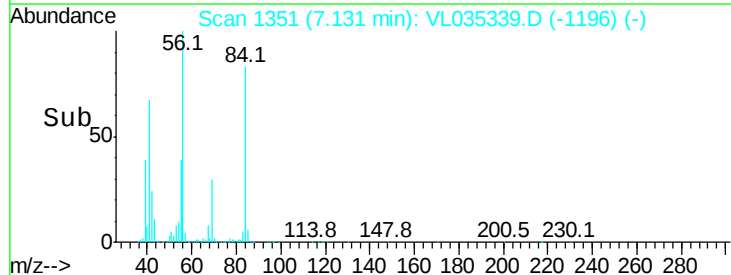
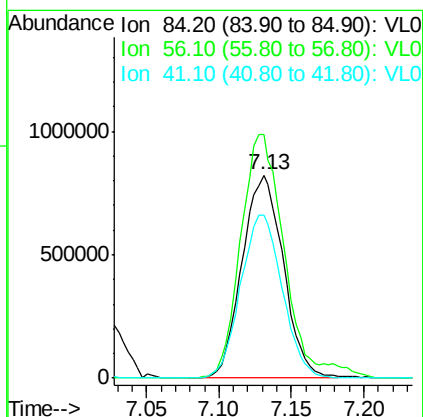
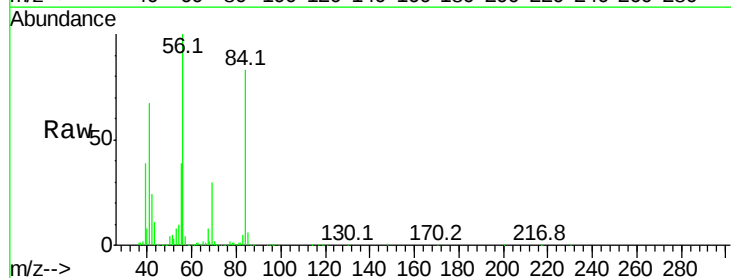
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

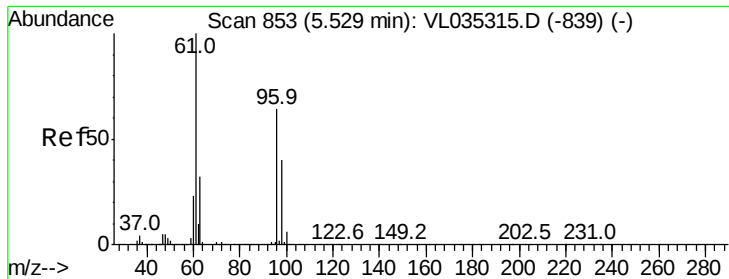
Tgt Ion: 83 Resp: 2990321
Ion Ratio Lower Upper
83 100
85 67.3 52.9 79.3



#30
Cyclohexane
Concen: 15.408 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.00 min
Lab File: VL035339.D
Acq: 5 Aug 2020 12:32

Tgt Ion: 84 Resp: 1629666
Ion Ratio Lower Upper
84 100
56 127.6 104.7 157.1
41 81.1 64.2 96.2



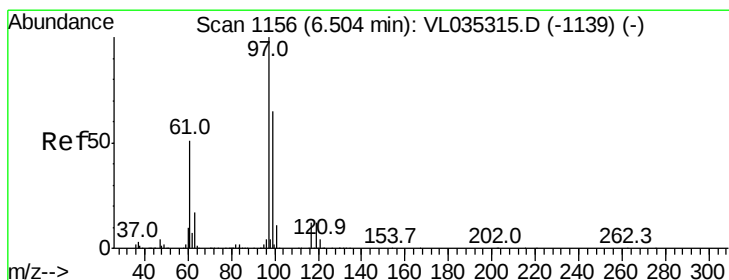
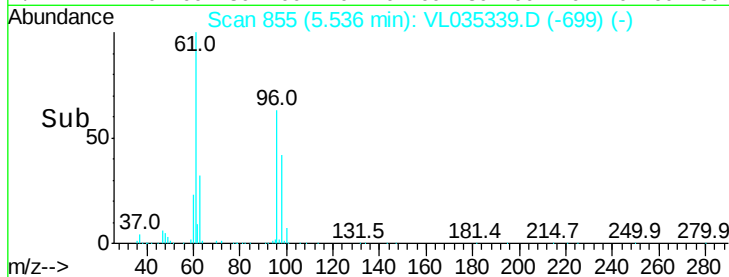
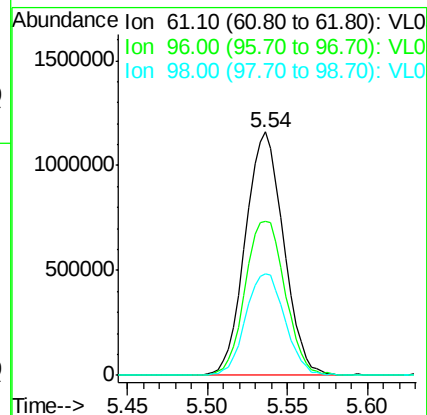
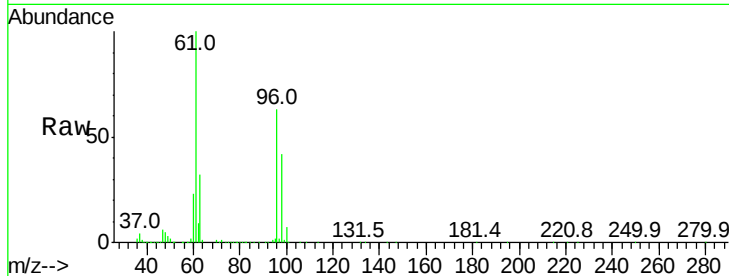


#31

cis-1,2-Dichloroethene
 Concen: 14.561 ppbv
 RT: 5.54 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VL035339.D
 Acq: 5 Aug 2020 12:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

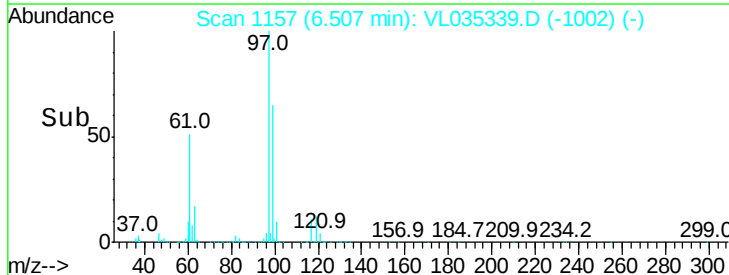
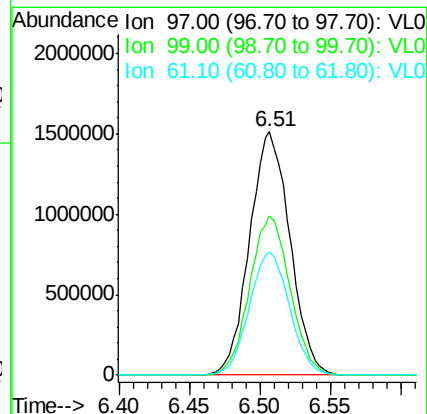
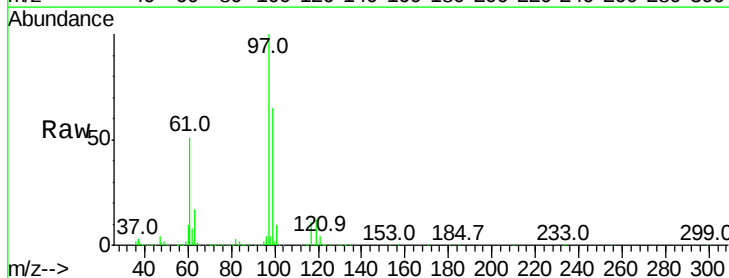
Tgt Ion: 61 Resp: 1894046
 Ion Ratio Lower Upper
 61 100
 96 63.3 53.6 80.4
 98 41.8 31.0 46.4

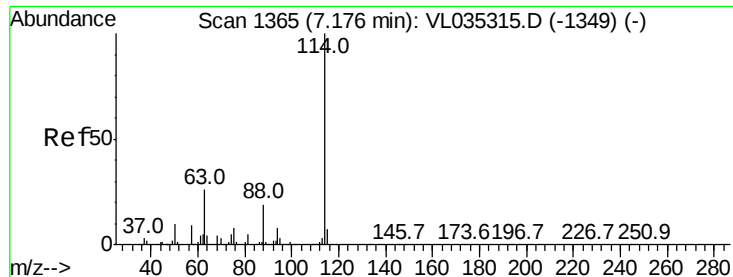


#32

1,1,1-Trichloroethane
 Concen: 13.152 ppbv
 RT: 6.51 min Scan# 1157
 Delta R.T. -0.00 min
 Lab File: VL035339.D
 Acq: 5 Aug 2020 12:32

Tgt Ion: 97 Resp: 3033199
 Ion Ratio Lower Upper
 97 100
 99 65.4 52.2 78.4
 61 50.5 40.9 61.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. -0.00 min

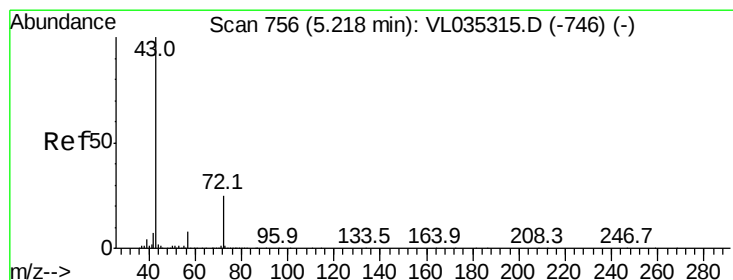
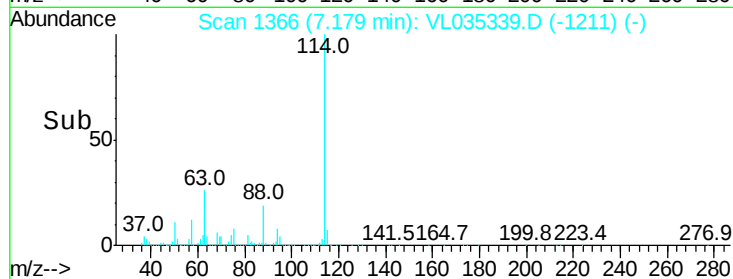
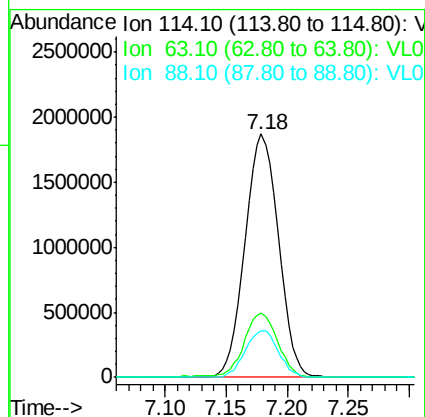
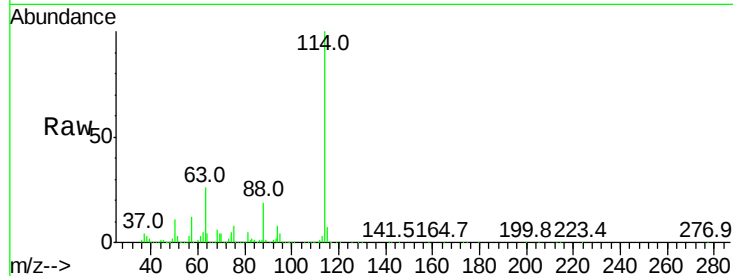
Lab File: VL035339.D

Acq: 5 Aug 2020 12:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion:114 Resp: 3539467

Ion	Ratio	Lower	Upper
114	100		
63	26.7	21.3	31.9
88	19.0	15.3	22.9



#34

2-Butanone

Concen: 14.121 ppbv

RT: 5.22 min Scan# 758

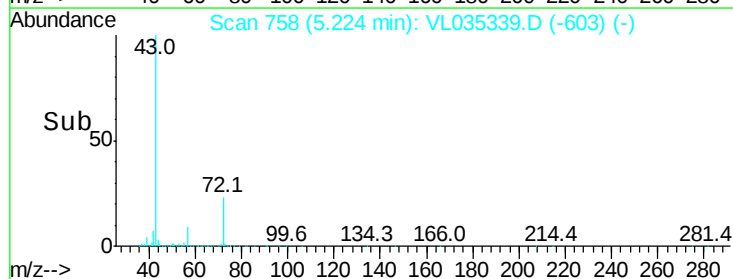
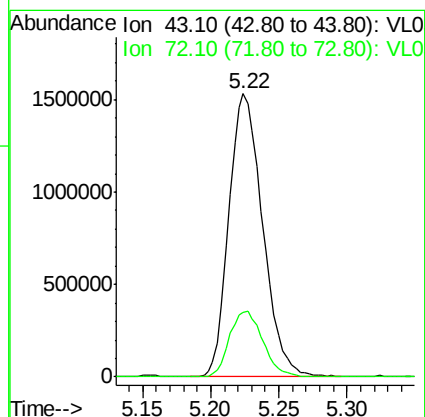
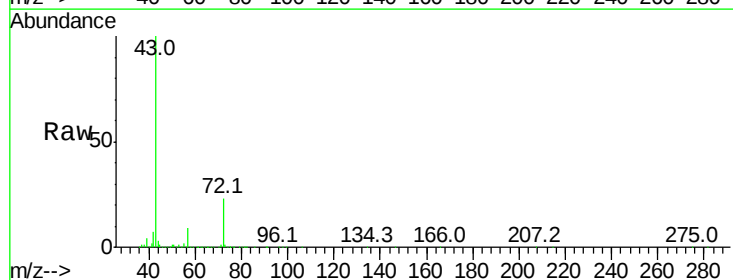
Delta R.T. -0.00 min

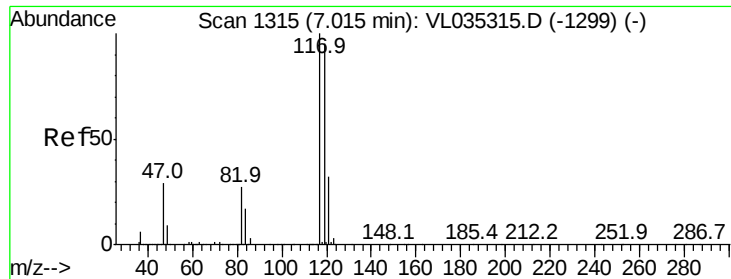
Lab File: VL035339.D

Acq: 5 Aug 2020 12:32

Tgt Ion: 43 Resp: 2631453

Ion	Ratio	Lower	Upper
43	100		
72	23.1	18.9	28.3





#35

Carbon Tetrachloride

Concen: 14.073 ppbv

RT: 7.02 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VL035339.D

Acq: 5 Aug 2020 12:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

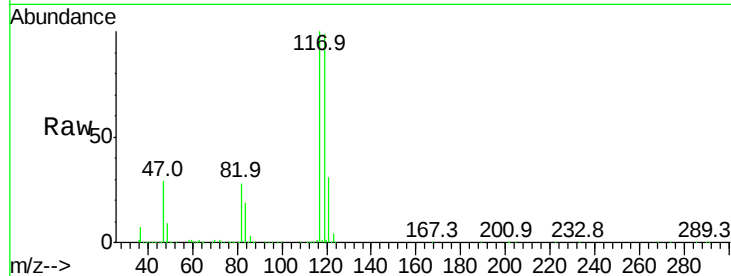
Tgt Ion:117 Resp: 3221214

Ion Ratio Lower Upper

117 100

119 98.6 77.0 115.6

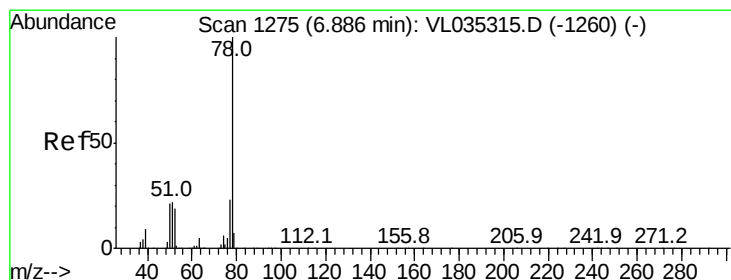
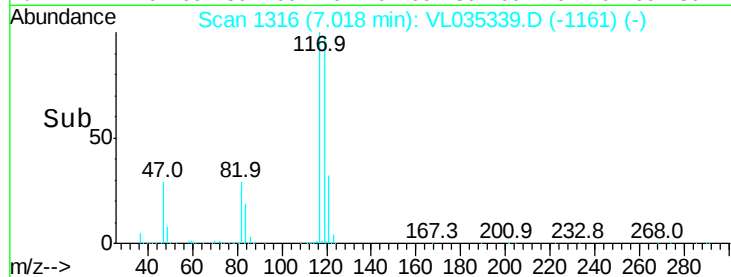
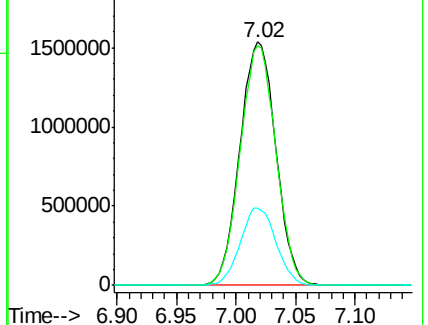
121 31.5 26.0 39.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 14.325 ppbv

RT: 6.89 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VL035339.D

Acq: 5 Aug 2020 12:32

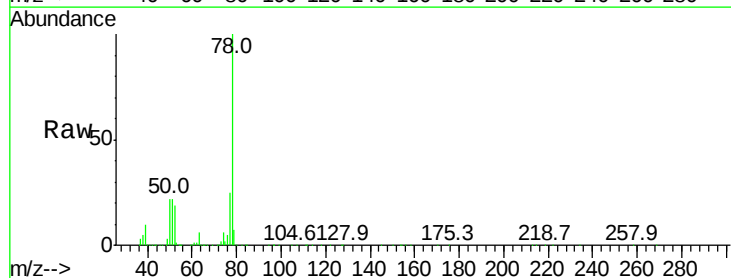
Tgt Ion: 78 Resp: 3717450

Ion Ratio Lower Upper

78 100

77 24.6 19.3 28.9

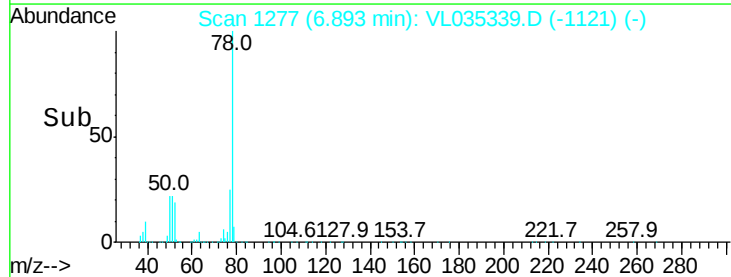
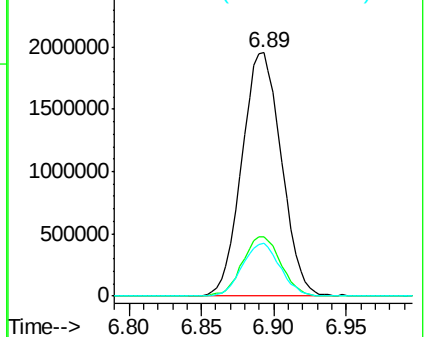
50 21.5 16.3 24.5

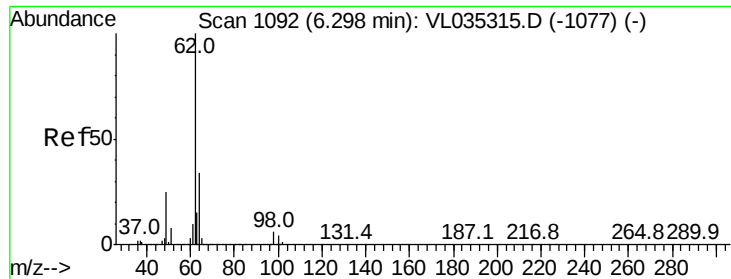


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 13.405 ppbv

RT: 6.30 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VL035339.D

Acq: 5 Aug 2020 12:32

Instrument :

MSVOA_L

ClientSampleId :

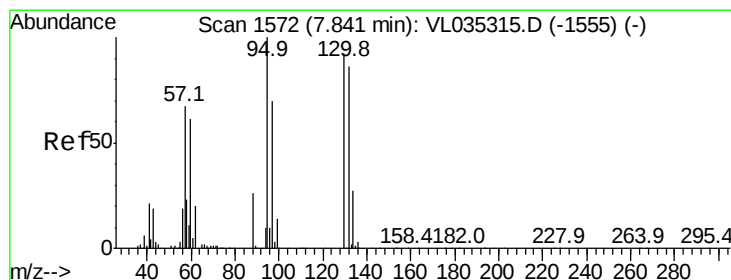
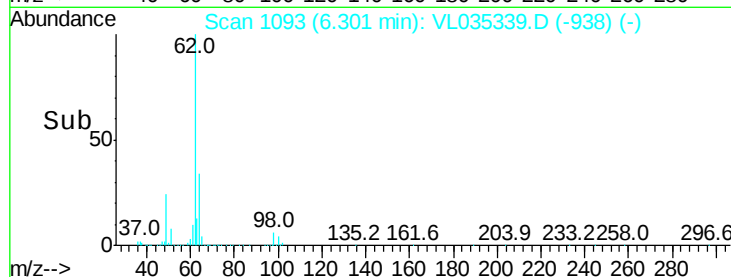
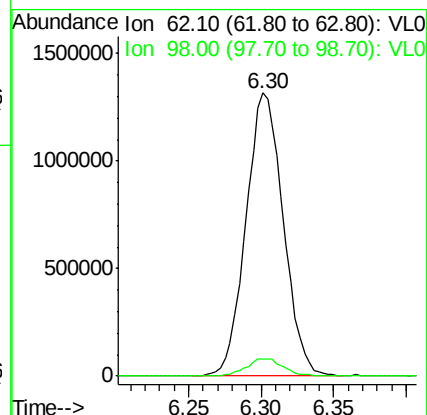
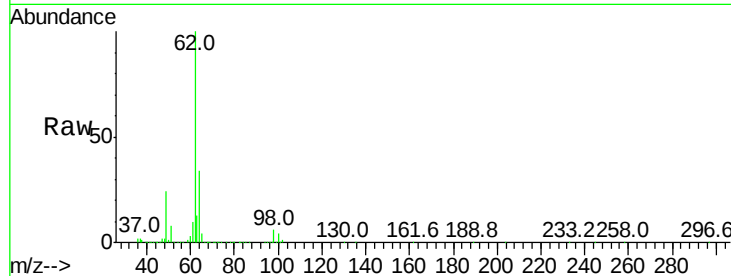
VSTDIC015

Tgt Ion: 62 Resp: 2356309

Ion Ratio Lower Upper

62 100

98 6.1 4.6 7.0



#38

Trichloroethene

Concen: 17.161 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VL035339.D

Acq: 5 Aug 2020 12:32

Tgt Ion: 130 Resp: 1636364

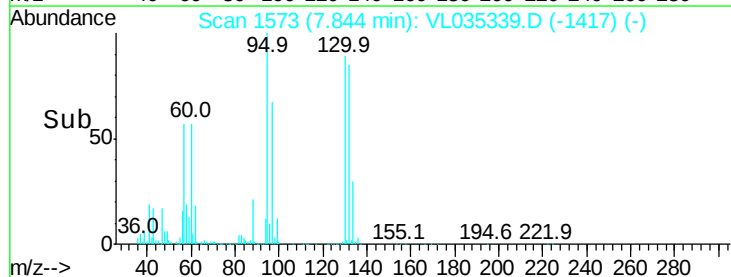
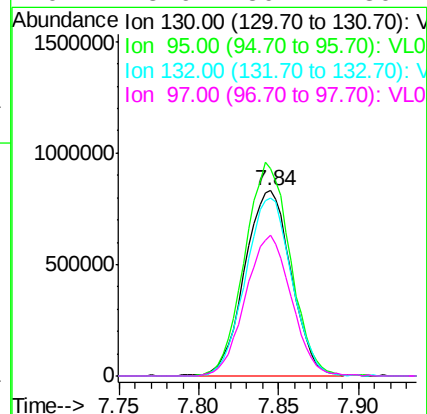
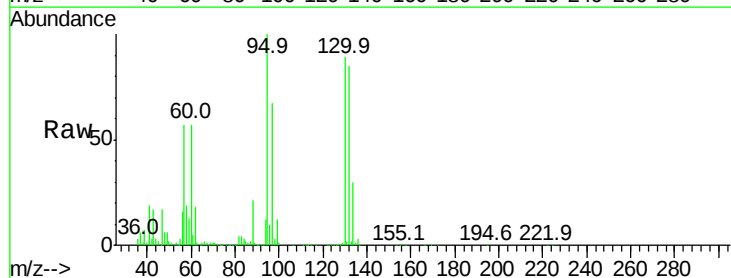
Ion Ratio Lower Upper

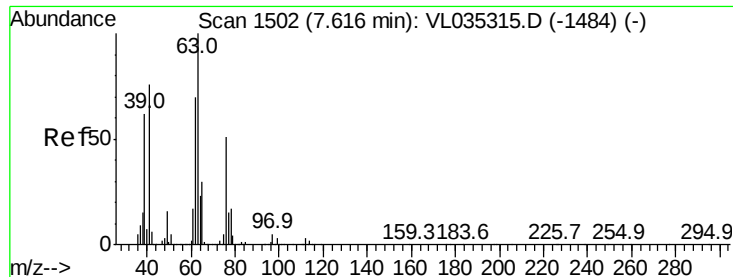
130 100

95 112.6 93.4 140.2

132 96.2 76.1 114.1

97 75.9 59.4 89.2





#39

1,2-Dichloropropane

Concen: 14.362 ppbv

RT: 7.62 min Scan# 1503

Delta R.T. 0.00 min

Lab File: VL035339.D

Acq: 5 Aug 2020 12:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

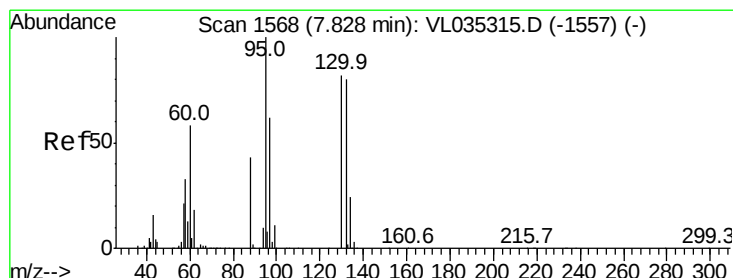
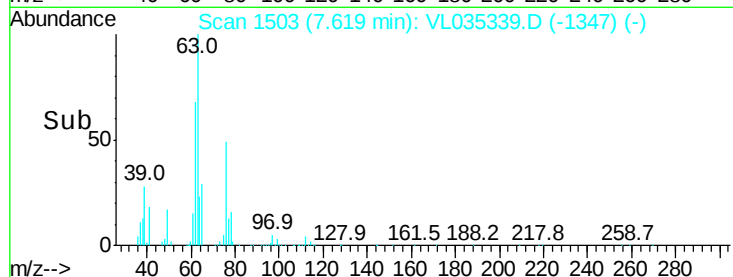
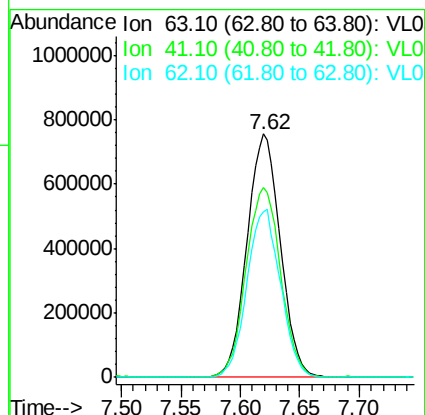
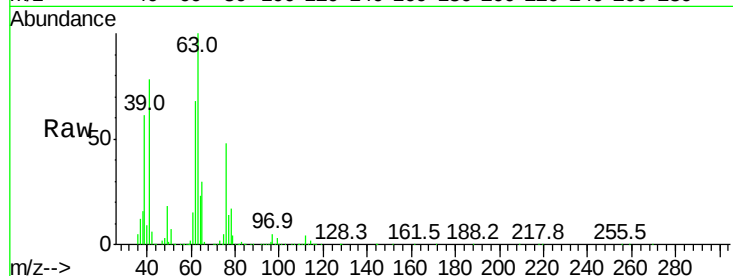
Tgt Ion: 63 Resp: 1468727

Ion Ratio Lower Upper

63 100

41 77.9 64.4 96.6

62 67.9 52.6 78.8



#40

1,4-Dioxane

Concen: 13.302 ppbv

RT: 7.83 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VL035339.D

Acq: 5 Aug 2020 12:32

Tgt Ion: 88 Resp: 590819

Ion Ratio Lower Upper

88 100

58 132.3 96.7 145.1

43 258.0 190.7 286.1

57 1074.1 834.1 1251.1

