

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080620\
 Data File : VL035369.D
 Acq On : 7 Aug 2020 5:03
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 07 06:32:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080520AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 05 13:04:46 2020
 QLast Update : Wed Aug 05 13:04:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1313601	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3276578	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.10	117	3227968	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	2670061	9.92	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.00	85	1729572	9.899	ppbv	99
3) Chlorodifluoromethane	2.93	51	1329739	8.868	ppbv	100
4) Chloromethane	3.09	50	789110	9.295	ppbv	96
5) Vinyl Chloride	3.21	62	775371	8.879	ppbv	99
6) Bromomethane	3.43	94	508286	9.501	ppbv	97
7) Chloroethane	3.51	64	297834	9.183	ppbv	97
8) Dichlorotetrafluoroethane	3.14	85	1903273	9.216	ppbv	99
9) Propene	2.96	41	526936	9.862	ppbv	99
10) Heptane	8.12	43	1524788	11.172	ppbv	99
11) Trichlorofluoromethane	3.91	101	2058972	9.096	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.45	101	1459242	9.019	ppbv	99
13) Ethanol	3.56	45	133448	7.241	ppbv	100
14) Bromoethene	3.69	108	613457	9.455	ppbv	97
15) Acetone	3.81	43	1795620	9.626	ppbv	99
16) 1,3-Butadiene	3.28	39	618952	8.621	ppbv #	78
17) tert-Butyl alcohol	4.26	59	83538	0.488	ppbv #	78
18) 1,1-Dichloroethene	4.25	96	651378	9.375	ppbv	94
19) Isopropyl Alcohol	3.92	45	961781	8.134	ppbv #	98
20) Methylene Chloride	4.31	84	595580	7.829	ppbv	99
21) Allyl Chloride	4.38	41	1085260	10.154	ppbv	98
22) trans-1,2-Dichloroethene	4.85	96	633828	9.408	ppbv	98
23) Vinyl Acetate	5.05	43	1906457	10.659	ppbv	99
24) 1,1-Dichloroethane	4.98	63	1586257	9.437	ppbv	97
25) Ethyl Acetate	5.66	43	2712487	9.570	ppbv	99
26) Hexane	5.66	57	1217125	9.900	ppbv	98
27) Carbon Disulfide	4.52	76	1721493	10.013	ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	1636989	9.157	ppbv	100
29) Chloroform	5.74	83	1996577	9.420	ppbv	97
30) Cyclohexane	7.12	84	1016290	10.901	ppbv	98
31) cis-1,2-Dichloroethene	5.53	61	1184082	10.834	ppbv	96
32) 1,1,1-Trichloroethane	6.50	97	1983835	8.905	ppbv	99
34) 2-Butanone	5.22	43	1698882	10.530	ppbv	100
35) Carbon Tetrachloride	7.01	117	2124524	9.422	ppbv	98
36) Benzene	6.89	78	2403723	10.864	ppbv	99
37) 1,2-Dichloroethane	6.29	62	1552062	10.041	ppbv	100
38) Trichloroethene	7.83	130	1052643	10.314	ppbv	95
39) 1,2-Dichloropropane	7.61	63	911009	10.171	ppbv	97
40) 1,4-Dioxane	7.83	88	358970	9.358	ppbv #	1
41) Tetrahydrofuran	6.03	42	873170	11.029	ppbv	99
42) Bromodichloromethane	7.79	83	2140242	10.311	ppbv	99
43) Methyl Methacrylate	8.01	69	1038281	11.154	ppbv	99

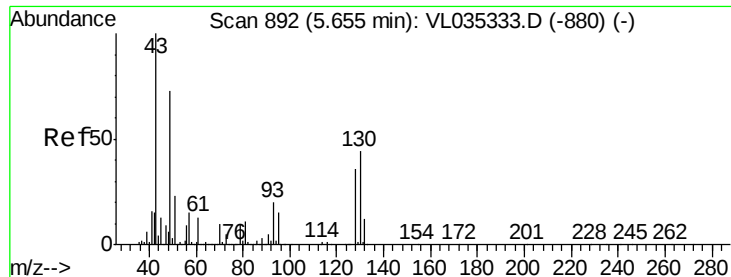
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080620\
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Quant Time: Aug 07 06:32:05 2020
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 05 13:04:46 2020
 QLast Update : Wed Aug 05 13:04:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4168121	10.604	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1269575	13.148	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1510694	12.955	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	1073152	9.965	ppbv	97
48) Dibromochloromethane	10.32	129	1869019	10.595	ppbv	99
49) Bromoform	13.07	173	1758484	10.939	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2585977	10.498	ppbv	99
51) 2-Hexanone	10.14	43	2161861	11.195	ppbv #	99
52) Tetrachloroethene	11.24	164	944046	10.762	ppbv	97
53) Toluene	9.82	91	2901556	12.055	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1634965	10.582	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.14	131	1418312	9.308	ppbv	97
57) Chlorobenzene	12.17	112	2394228	9.851	ppbv	95
58) Ethyl Benzene	12.73	91	3940871	11.733	ppbv	97
59) m/p-Xylene	13.01	91	3776733	12.075	ppbv #	46
60) o-Xylene	13.72	91	3389749	10.922	ppbv	99
61) Styrene	13.55	104	1988878	10.493	ppbv	99
62) Isopropylbenzene	14.69	105	4837825	10.352	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.70	83	2465676	9.312	ppbv	100
64) n-propylbenzene	15.59	120	1319394	10.506	ppbv	100
65) tert-Butylbenzene	16.77	119	4433099	10.359	ppbv	99
66) Benzyl Chloride	17.02	91	1883089	11.118	ppbv	100
67) sec-Butylbenzene	17.32	105	6127395	10.123	ppbv	99
69) p-Isopropyltoluene	17.68	119	5151056	10.438	ppbv	100
70) n-Butylbenzene	18.58	91	5308511	10.057	ppbv	100
71) 2-Chlorotoluene	15.48	91	3735596	10.912	ppbv	98
72) 4-Ethyltoluene	15.87	105	4027744	11.382	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	3794384	11.175	ppbv	100
74) 1,2,4-Trimethylbenzene	16.79	105	4061548	10.466	ppbv	93
75) 1,3-Dichlorobenzene	17.03	146	2425106	9.552	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	2394550	10.185	ppbv	100
77) 1,2-Dichlorobenzene	17.85	146	2318674	9.896	ppbv	99
78) Hexachloro-1,3-Butadiene	23.41	225	1936697	9.715	ppbv	99
79) Naphthalene	22.25	128	3820566	12.799	ppbv	98
80) Naphthalene, 2-methyl-	25.00	142	1625603	23.941	ppbv	98
81) 1,2,4-Trichlorobenzene	21.98	180	2164872	11.508	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.00 min

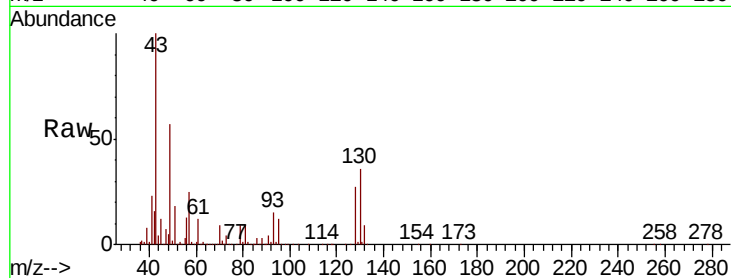
Lab File: VL035369.D

Acq: 7 Aug 2020 5:03

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 49 Resp: 1313601

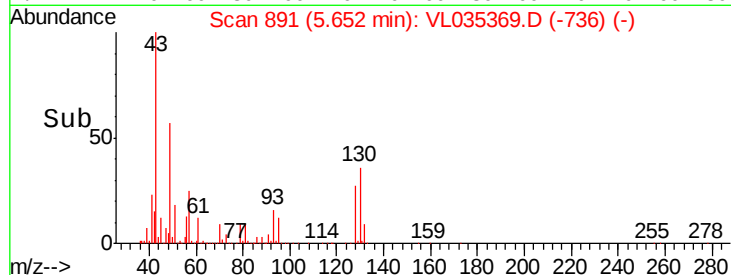
Ion	Ratio	Lower	Upper
49	100		
128	49.9	25.4	76.0
130	63.1	32.1	96.3



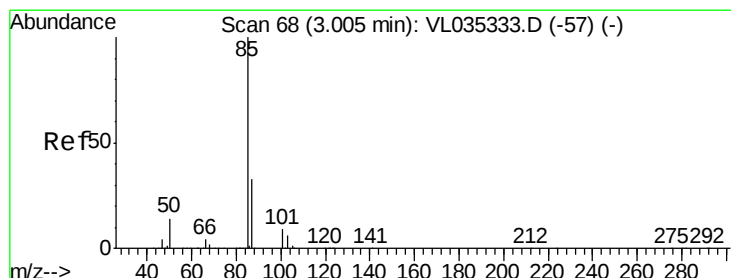
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



Time-->



#2

Dichlorodifluoromethane

Concen: 9.899 ppbv

RT: 3.00 min Scan# 66

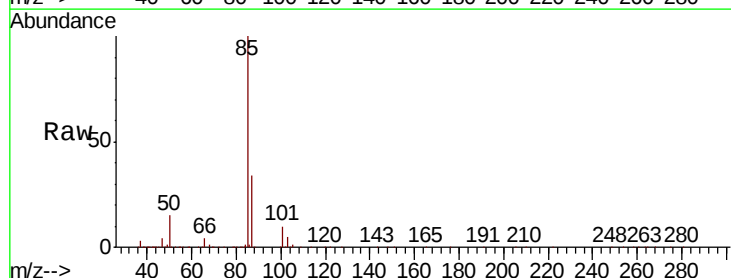
Delta R.T. -0.01 min

Lab File: VL035369.D

Acq: 7 Aug 2020 5:03

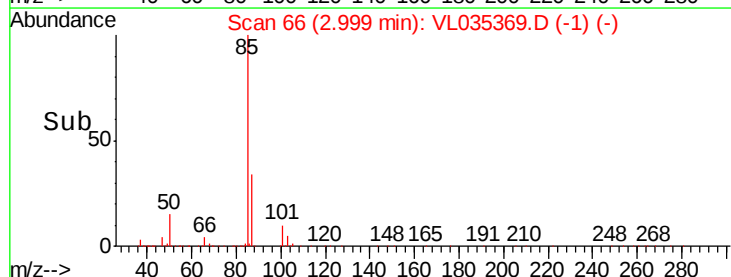
Tgt Ion: 85 Resp: 1729572

Ion	Ratio	Lower	Upper
85	100		
87	34.1	26.7	40.1

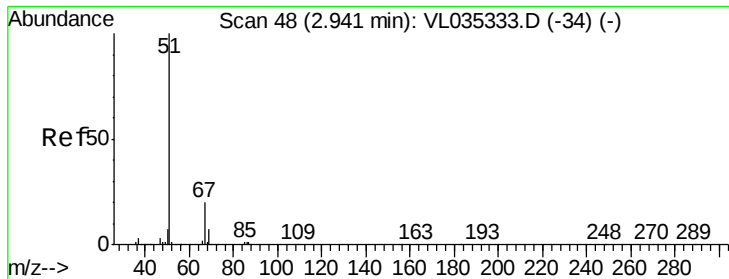


Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0



Time-->



#3

Chlorodifluoromethane

Concen: 8.868 ppbv

RT: 2.93 min Scan# 46

Delta R.T. -0.01 min

Lab File: VL035369.D

Acq: 7 Aug 2020 5:03

Instrument :

MSVOA_L

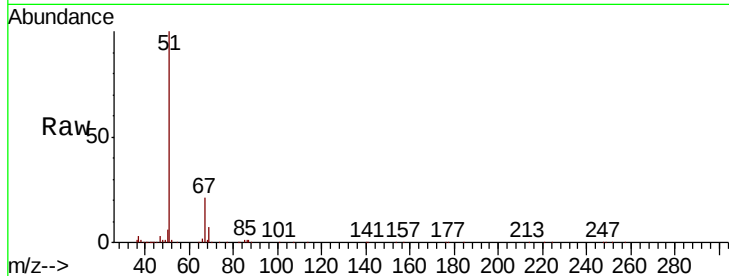
ClientSampleId :

Tot Ion: 51 Resp: 1329739

Ion Ratio Lower Upper

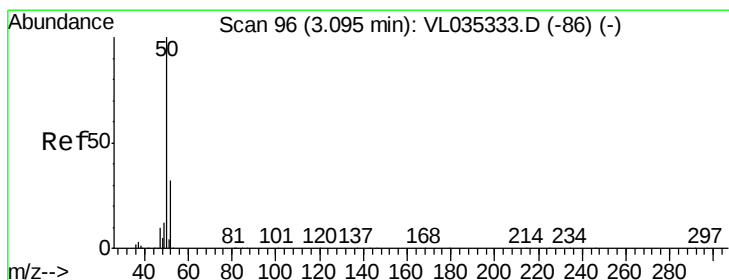
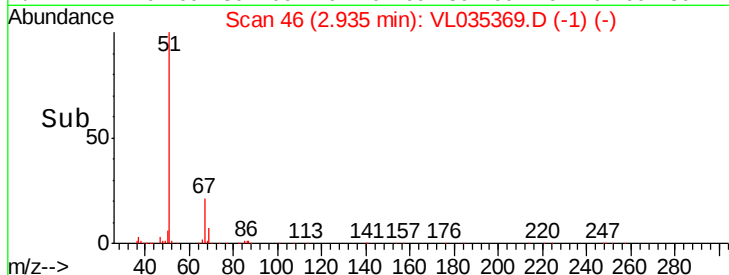
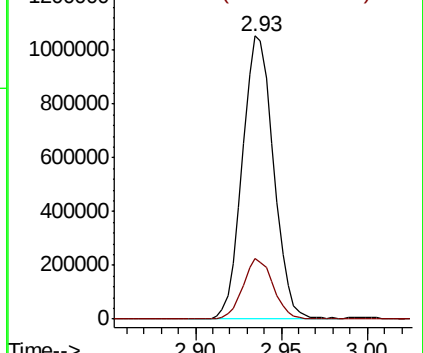
51 100

67 20.9 16.6 25.0



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.295 ppbv

RT: 3.09 min Scan# 94

Delta R.T. -0.01 min

Lab File: VL035369.D

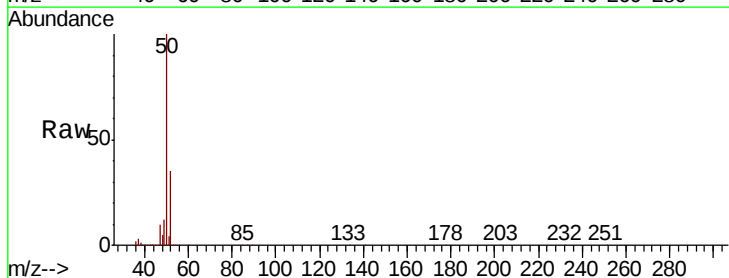
Acq: 7 Aug 2020 5:03

Tgt Ion: 50 Resp: 789110

Ion Ratio Lower Upper

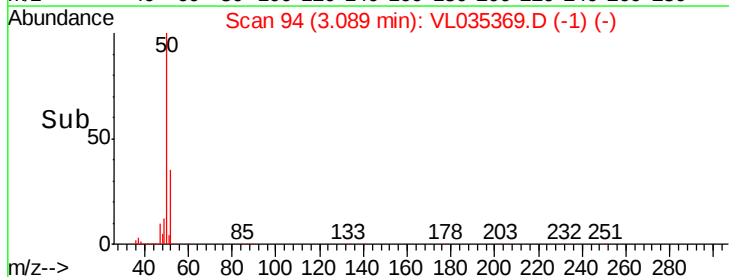
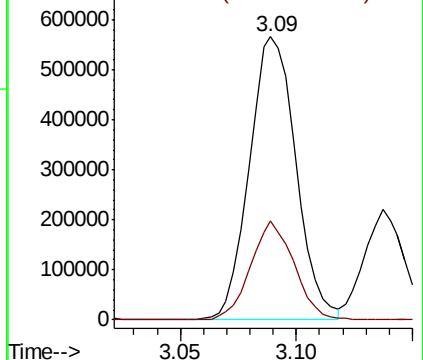
50 100

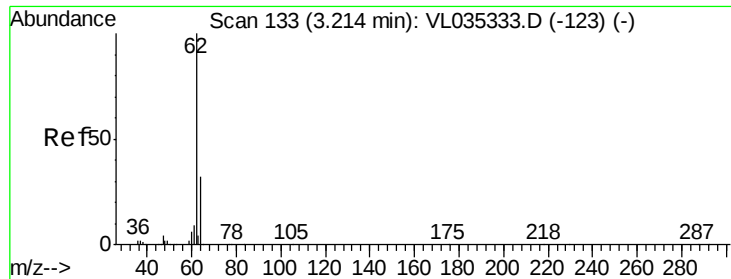
52 34.9 26.0 39.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.879 ppbv

RT: 3.21 min Scan# 131

Delta R.T. -0.01 min

Lab File: VL035369.D

Acq: 7 Aug 2020 5:03

Instrument :

MSVOA_L

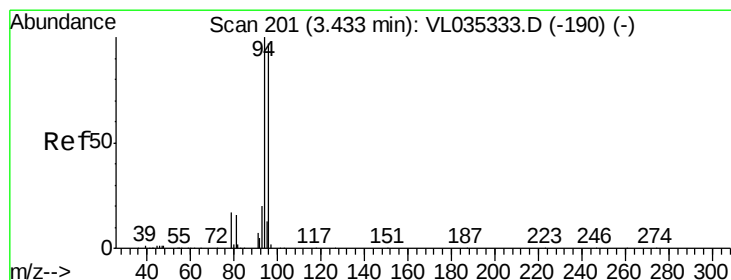
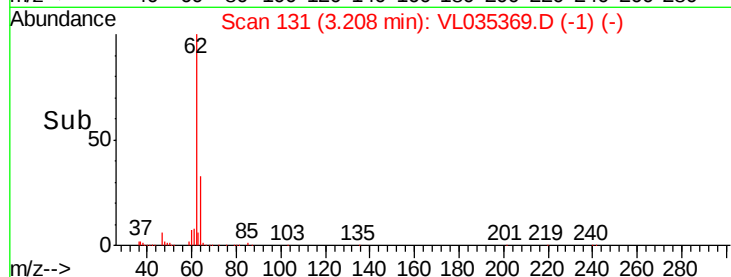
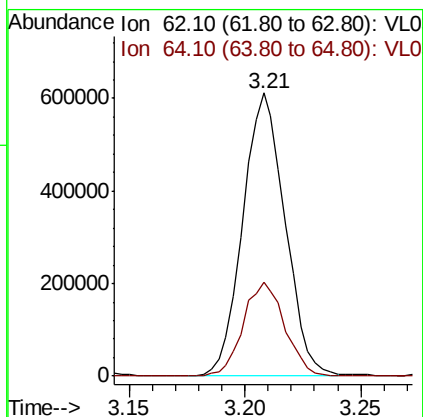
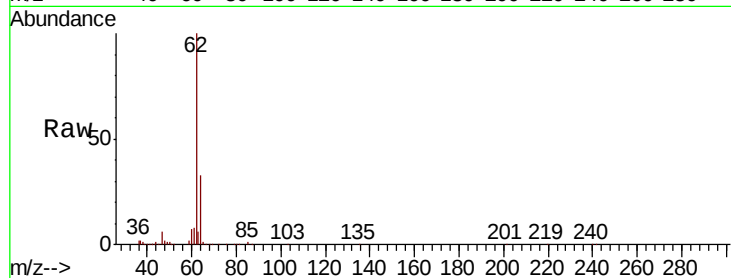
ClientSampleId :

Tot Ion: 62 Resp: 775371

Ion Ratio Lower Upper

62 100

64 33.0 25.8 38.6



#6

Bromomethane

Concen: 9.501 ppbv

RT: 3.43 min Scan# 199

Delta R.T. -0.01 min

Lab File: VL035369.D

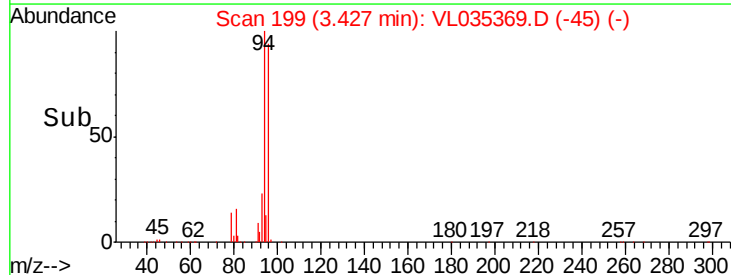
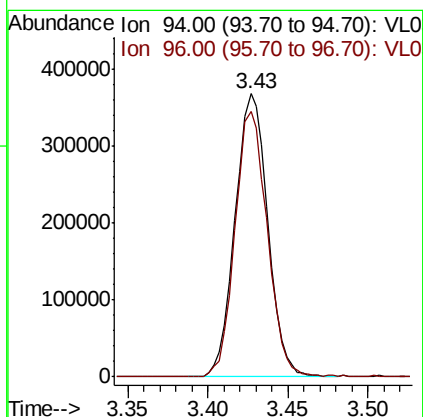
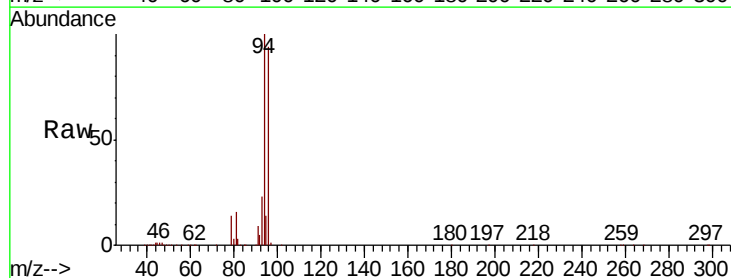
Acq: 7 Aug 2020 5:03

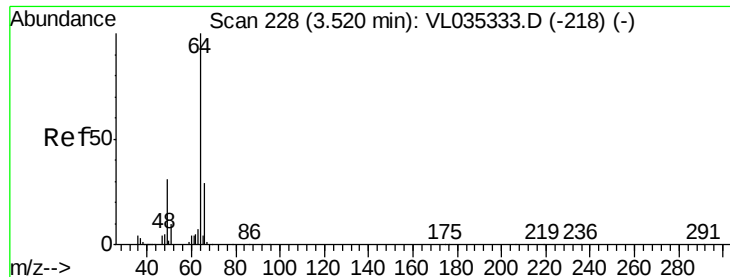
Tgt Ion: 94 Resp: 508286

Ion Ratio Lower Upper

94 100

96 93.4 77.3 115.9





#7

Chloroethane

Concen: 9.183 ppbv

RT: 3.51 min Scan# 225

Delta R.T. -0.01 min

Lab File: VL035369.D

Acq: 7 Aug 2020 5:03

Instrument :

MSVOA_L

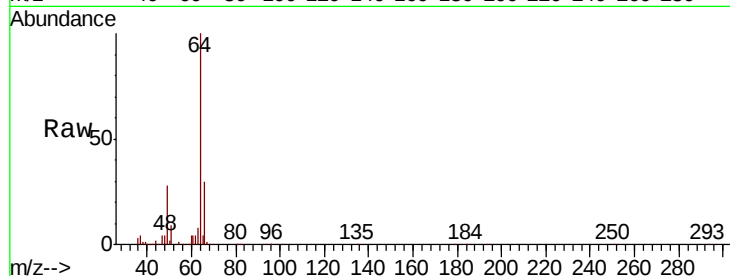
ClientSampleId :

Tot Ion: 64 Resp: 297834

Ion Ratio Lower Upper

64 100

66 30.4 23.0 34.6



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.51

250000

200000

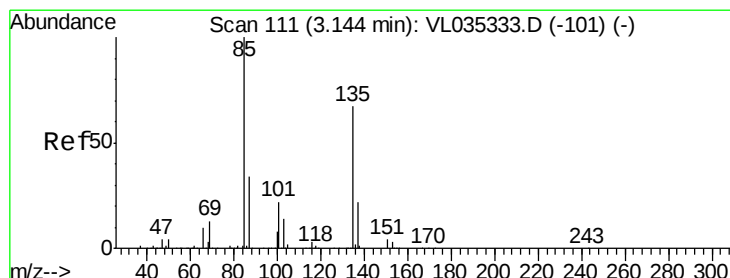
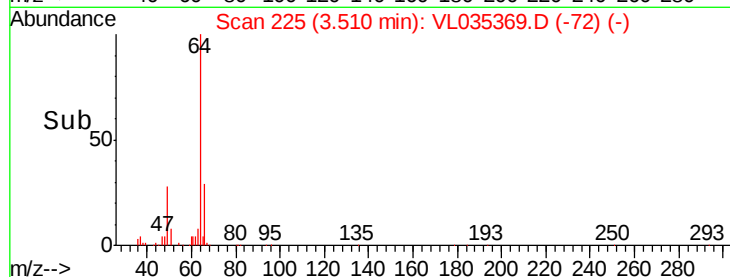
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.216 ppbv

RT: 3.14 min Scan# 109

Delta R.T. -0.01 min

Lab File: VL035369.D

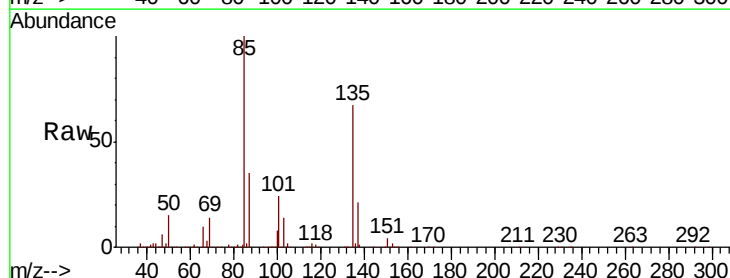
Acq: 7 Aug 2020 5:03

Tgt Ion: 85 Resp: 1903273

Ion Ratio Lower Upper

85 100

135 67.3 54.5 81.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.14

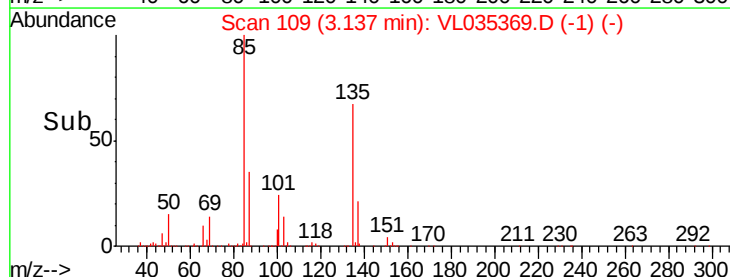
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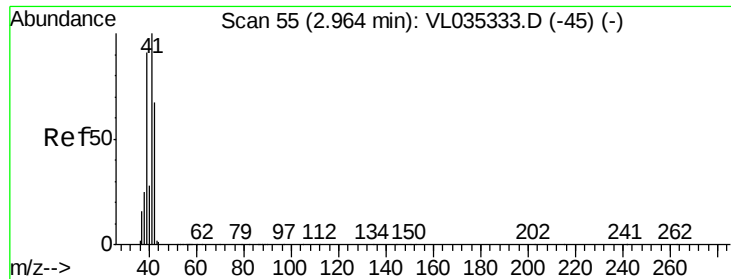
1000000

500000

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Time-->





#9

Propene

Concen: 9.862 ppbv

RT: 2.96 min Scan# 53

Delta R.T. -0.01 min

Lab File: VL035369.D

Acq: 7 Aug 2020 5:03

Instrument :

MSVOA_L

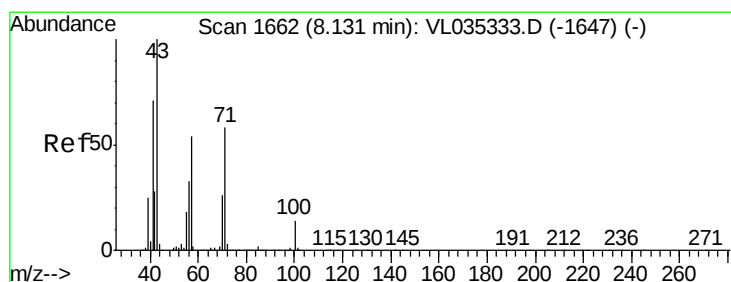
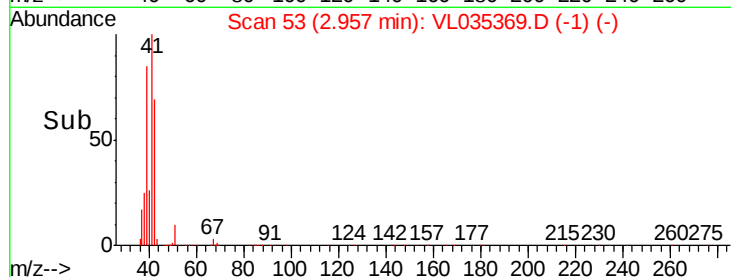
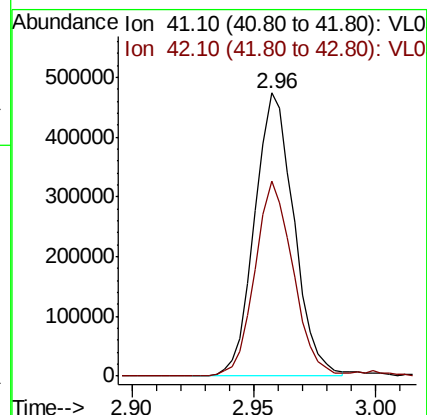
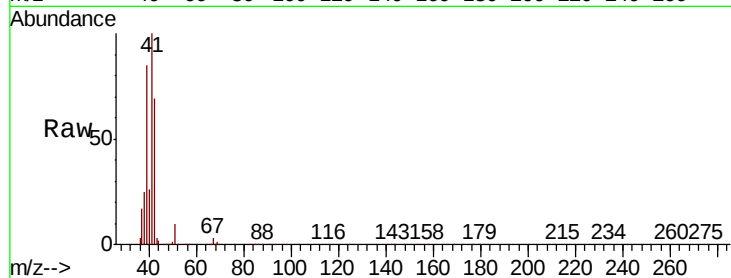
ClientSampleId :

Tot Ion: 41 Resp: 526936

Ion Ratio Lower Upper

41 100

42 68.7 55.3 82.9



#10

Heptane

Concen: 11.172 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. -0.01 min

Lab File: VL035369.D

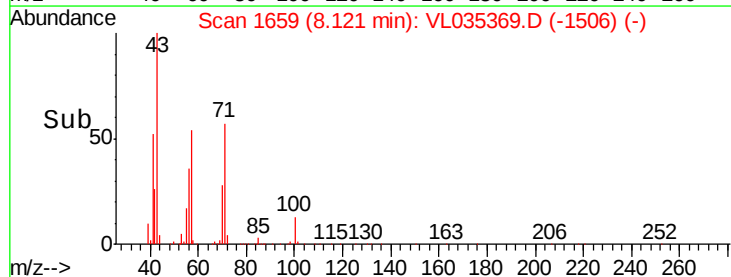
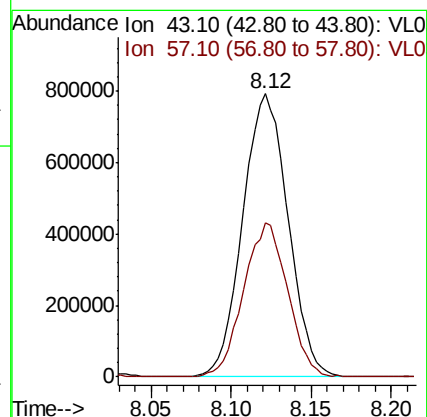
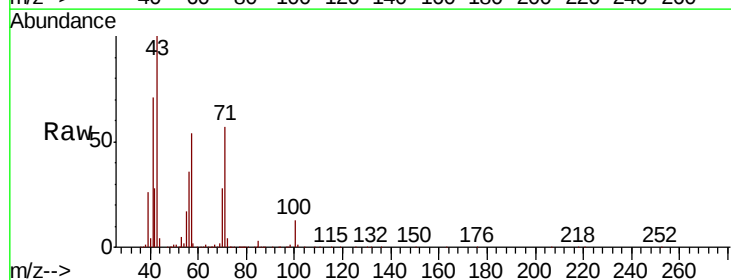
Acq: 7 Aug 2020 5:03

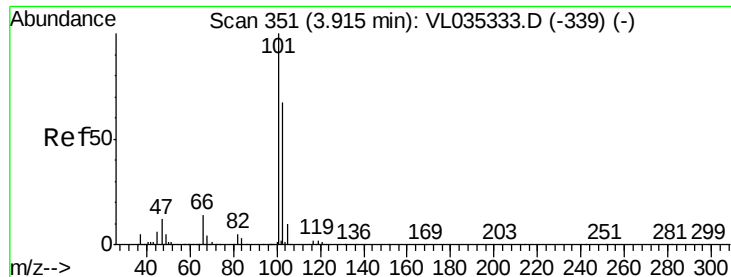
Tgt Ion: 43 Resp: 1524788

Ion Ratio Lower Upper

43 100

57 53.2 43.0 64.6

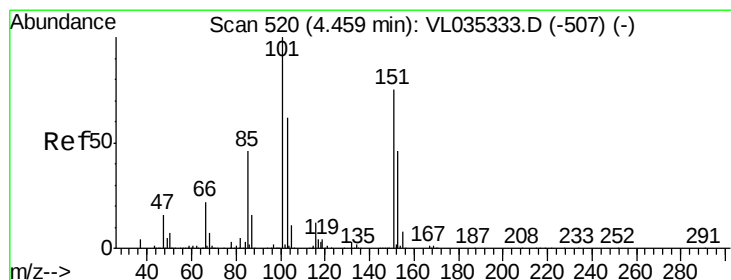
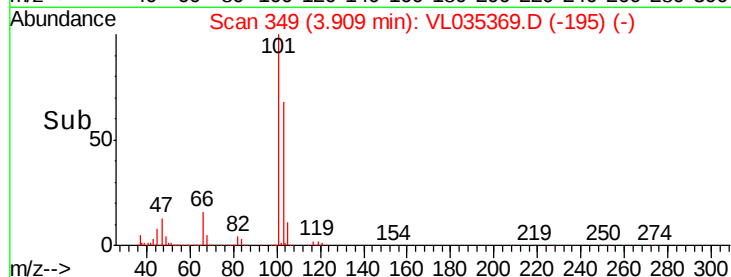
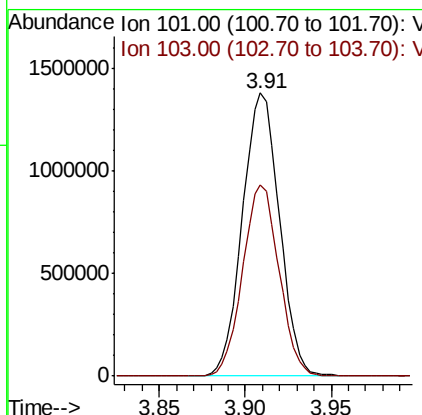
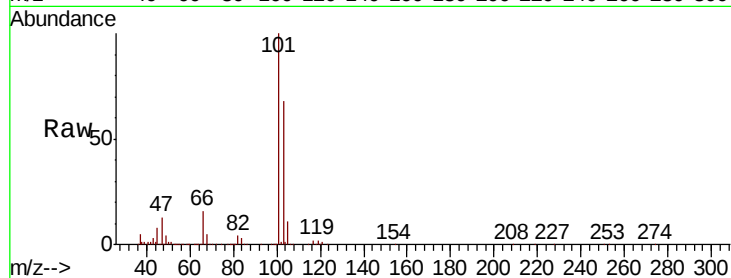




#11
 Trichlorofluoromethane
 Concen: 9.096 ppbv
 RT: 3.91 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VL035369.D
 Acq: 7 Aug 2020 5:03

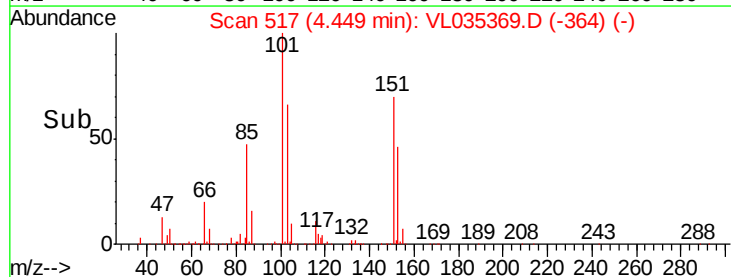
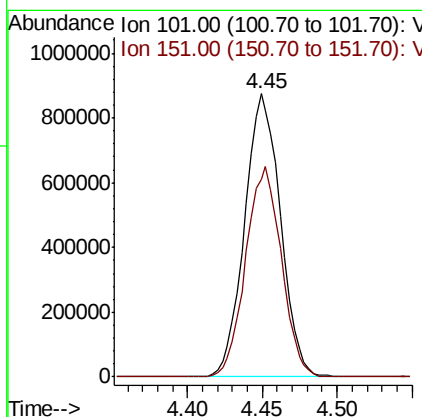
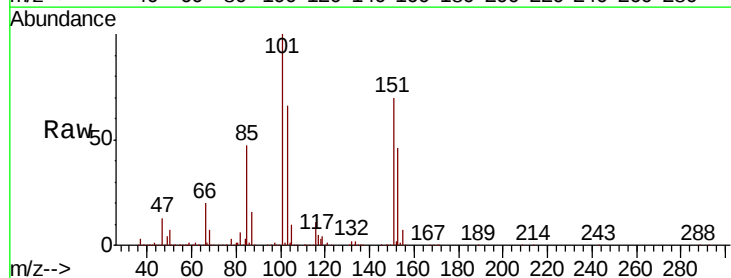
Instrument :
 MSVOA_L
 ClientSampleId :

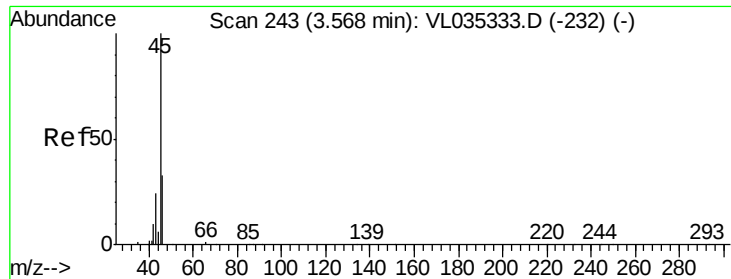
Tot Ion:101 Resp: 2058972
 Ion Ratio Lower Upper
 101 100
 103 67.6 53.8 80.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.019 ppbv
 RT: 4.45 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VL035369.D
 Acq: 7 Aug 2020 5:03

Tgt Ion:101 Resp: 1459242
 Ion Ratio Lower Upper
 101 100
 151 73.8 59.5 89.3

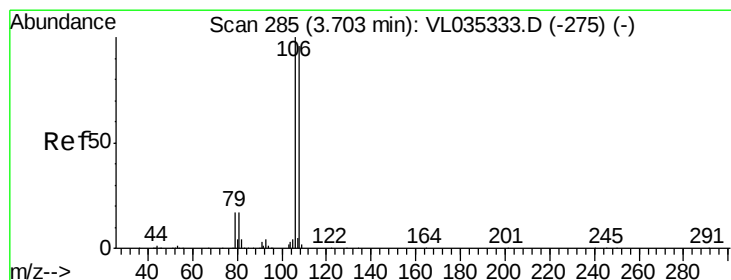
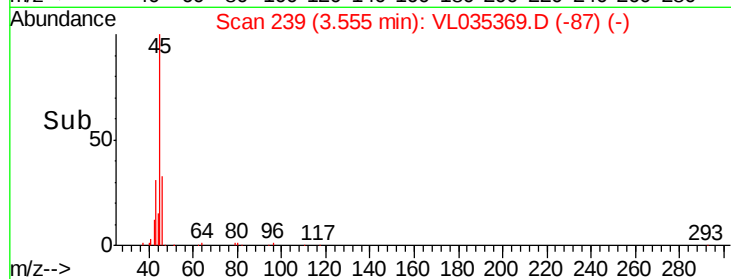
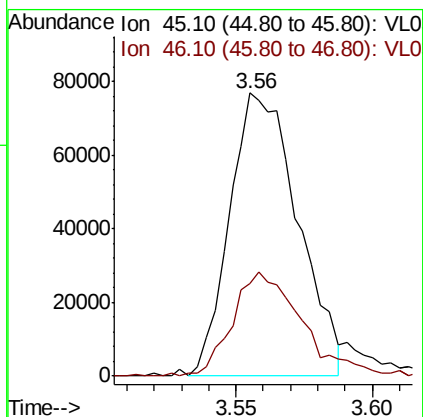
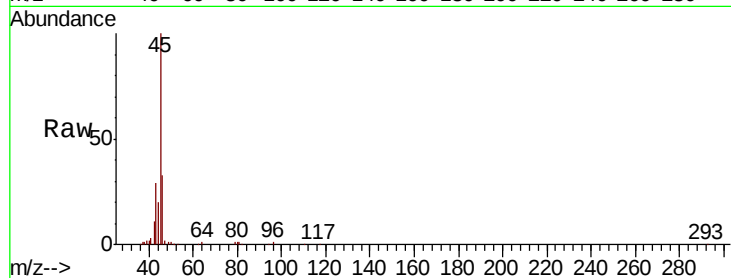




#13
Ethanol
Concen: 7.241 ppbv
RT: 3.56 min Scan# 239
Delta R.T. -0.01 min
Lab File: VL035369.D
Acq: 7 Aug 2020 5:03

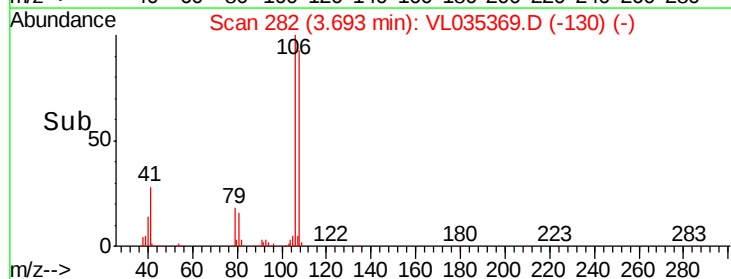
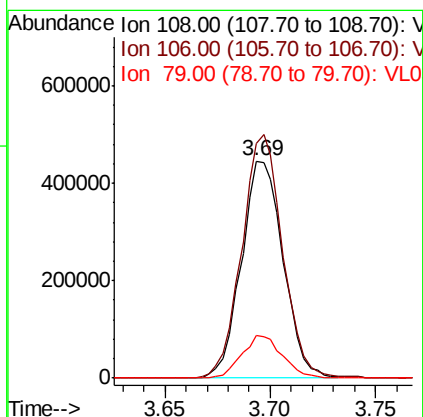
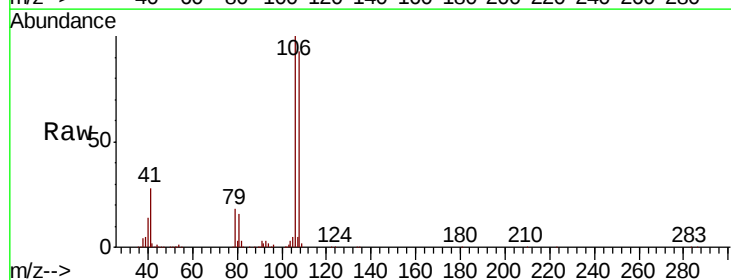
Instrument :
MSVOA_L
ClientSampleId :

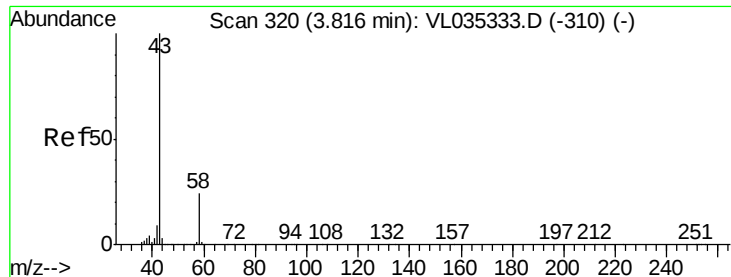
Tot Ion: 45 Resp: 133448
Ion Ratio Lower Upper
45 100
46 38.0 15.2 61.0



#14
Bromoethene
Concen: 9.455 ppbv
RT: 3.69 min Scan# 282
Delta R.T. -0.01 min
Lab File: VL035369.D
Acq: 7 Aug 2020 5:03

Tgt Ion: 108 Resp: 613457
Ion Ratio Lower Upper
108 100
106 109.9 85.0 127.6
79 19.2 15.0 22.6





#15

Acetone

Concen: 9.626 ppbv

RT: 3.81 min Scan# 317

Delta R.T. -0.01 min

Lab File: VL035369.D

Acq: 7 Aug 2020 5:03

Instrument :

MSVOA_L

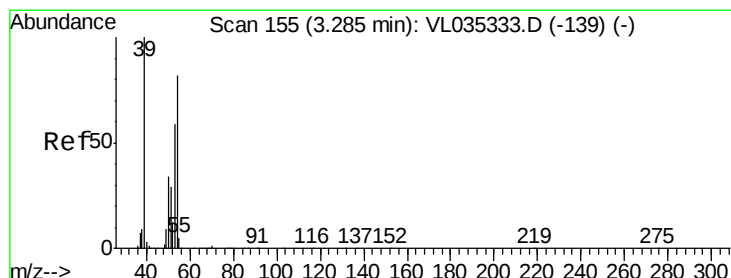
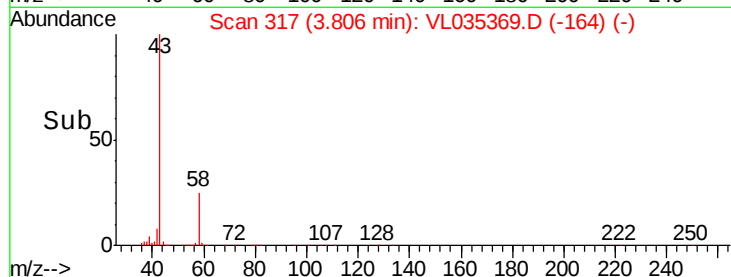
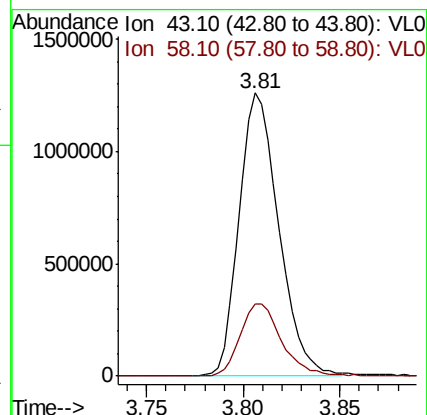
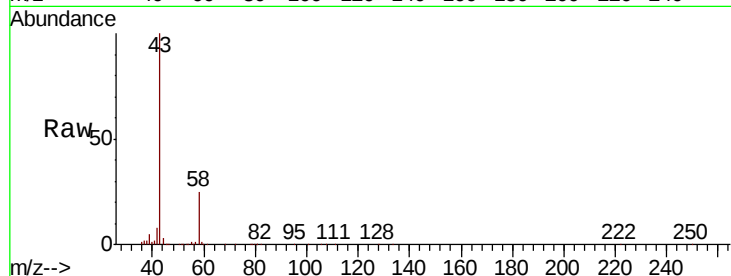
ClientSampled :

Tot Ion: 43 Resp: 1795620

Ion Ratio Lower Upper

43 100

58 26.9 21.0 31.4



#16

1,3-Butadiene

Concen: 8.621 ppbv

RT: 3.28 min Scan# 153

Delta R.T. -0.01 min

Lab File: VL035369.D

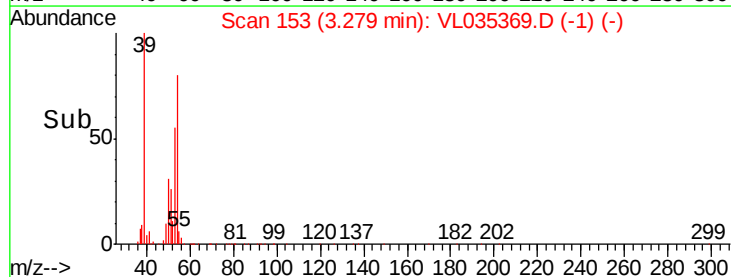
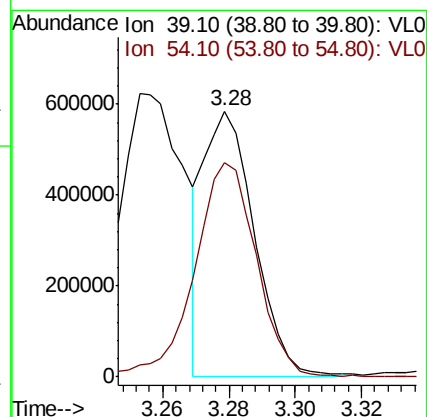
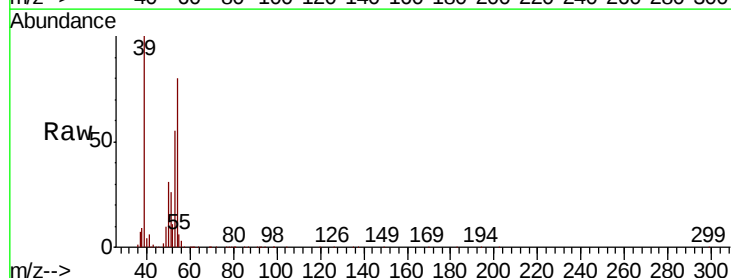
Acq: 7 Aug 2020 5:03

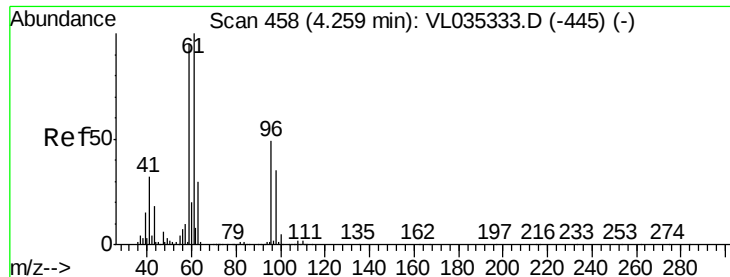
Tgt Ion: 39 Resp: 618952

Ion Ratio Lower Upper

39 100

54 99.6 64.4 96.6#





#17

tert-Butyl alcohol

Concen: 0.488 ppbv

RT: 4.26 min Scan# 458

Delta R.T. 0.00 min

Lab File: VL035369.D

Acq: 7 Aug 2020 5:03

Instrument :

MSVOA_L

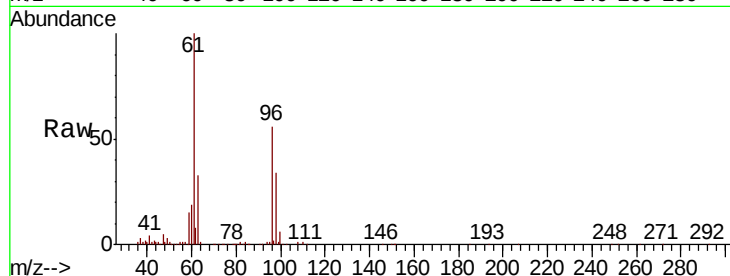
ClientSampleId :

Tot Ion: 59 Resp: 83538

Ion Ratio Lower Upper

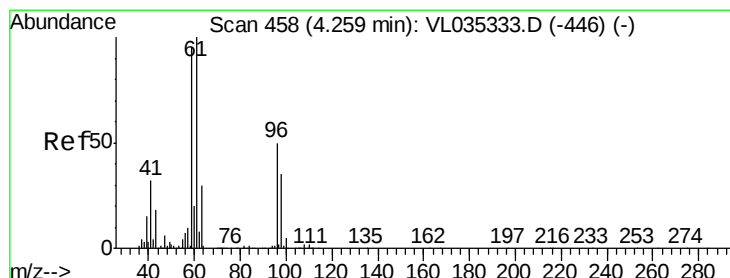
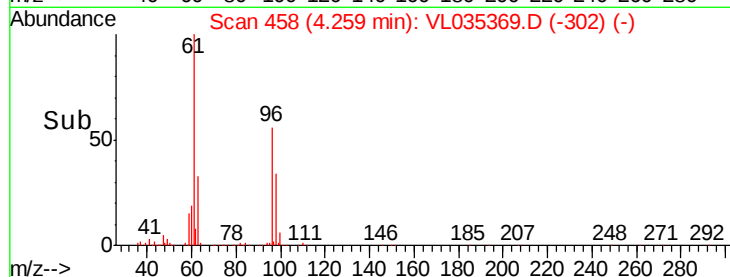
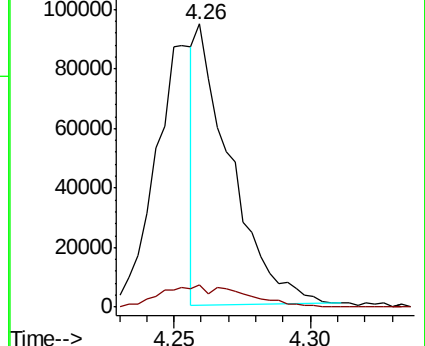
59 100

57 19.5 8.8 13.2#



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 9.375 ppbv

RT: 4.25 min Scan# 456

Delta R.T. -0.01 min

Lab File: VL035369.D

Acq: 7 Aug 2020 5:03

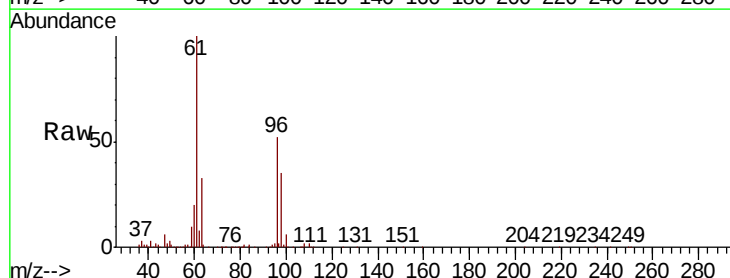
Tgt Ion: 96 Resp: 651378

Ion Ratio Lower Upper

96 100

61 192.2 161.4 242.2

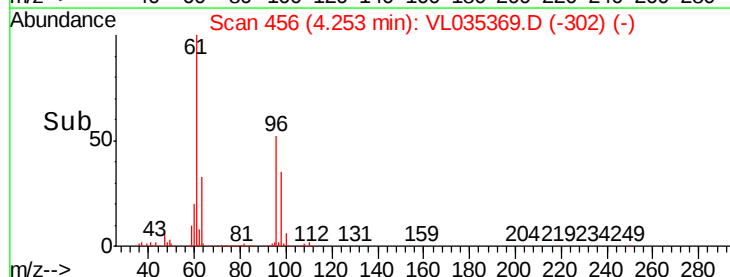
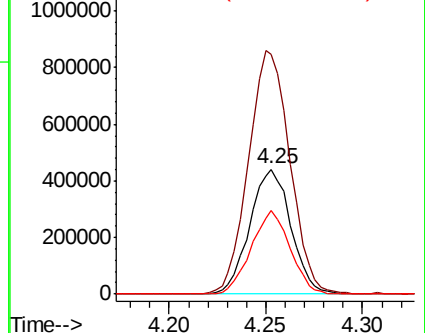
98 66.6 56.0 84.0

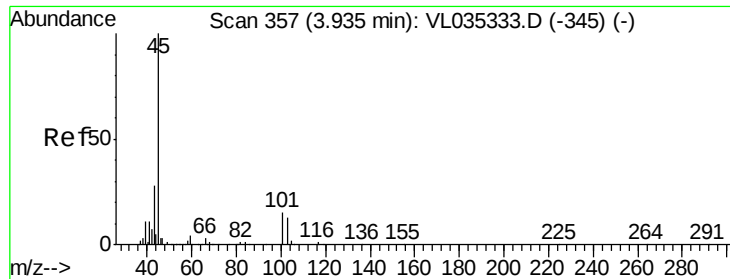


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



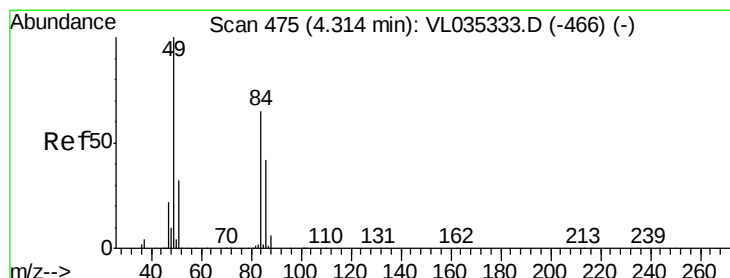
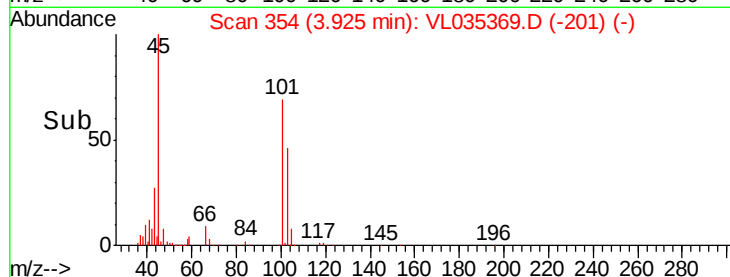
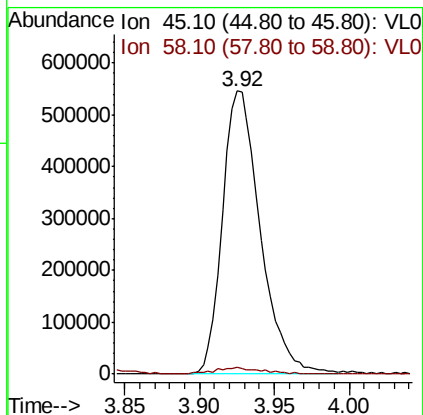
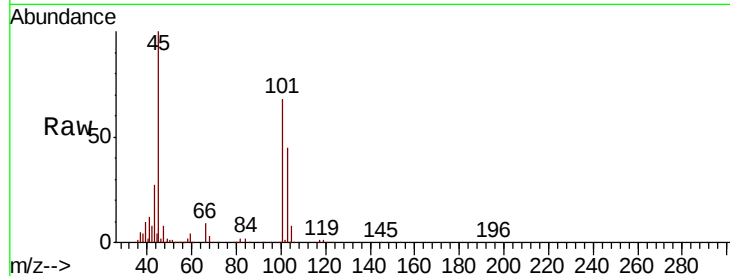


#19

Isopropyl Alcohol
 Concen: 8.134 ppbv
 RT: 3.92 min Scan# 354
 Delta R.T. -0.01 min
 Lab File: VL035369.D
 Acq: 7 Aug 2020 5:03

Instrument :
 MSVOA_L
 ClientSampled :

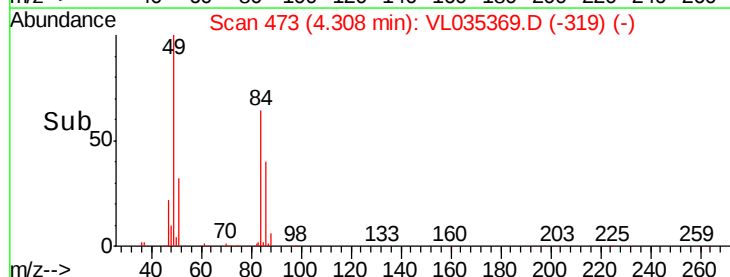
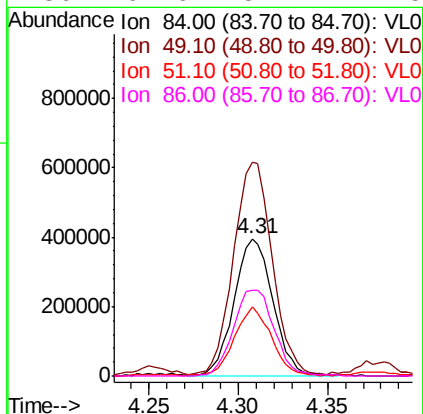
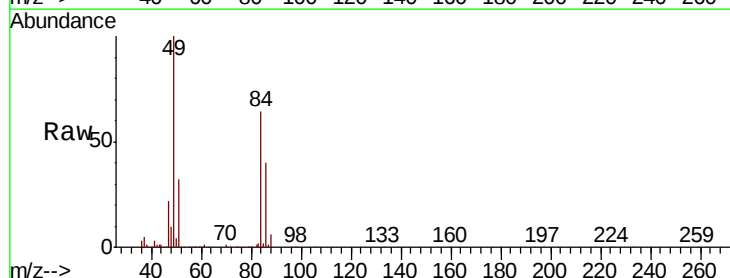
Tot Ion: 45 Resp: 961781
 Ion Ratio Lower Upper
 45 100
 58 3.2 1.9 2.9#

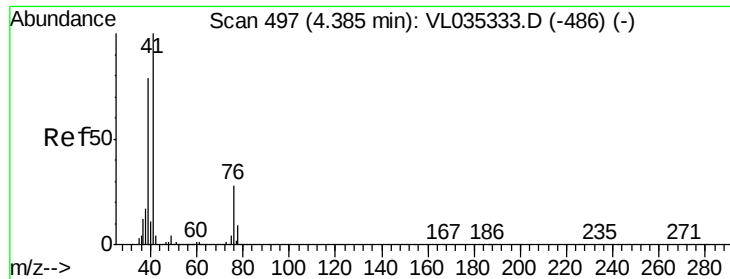


#20

Methylene Chloride
 Concen: 7.829 ppbv
 RT: 4.31 min Scan# 473
 Delta R.T. -0.01 min
 Lab File: VL035369.D
 Acq: 7 Aug 2020 5:03

Tgt Ion: 84 Resp: 595580
 Ion Ratio Lower Upper
 84 100
 49 155.1 122.8 184.2
 51 49.8 40.1 60.1
 86 62.6 51.7 77.5

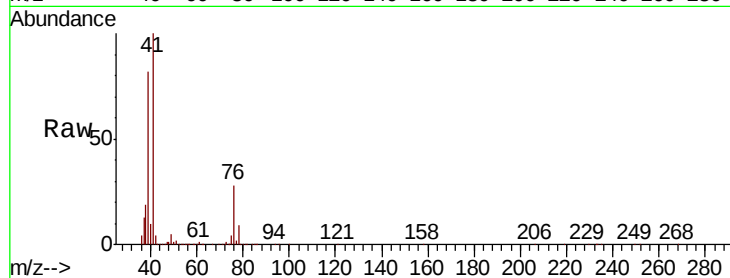




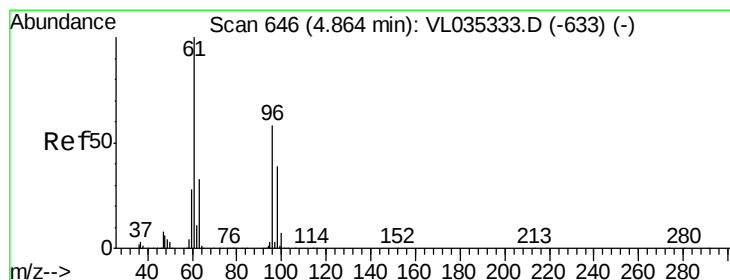
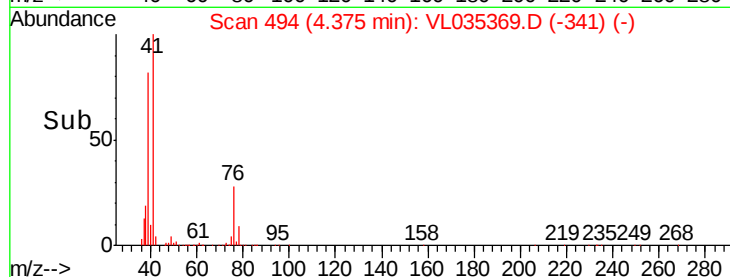
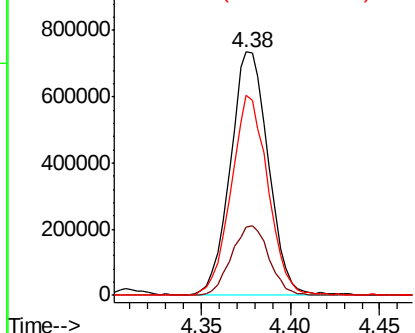
#21
Allvl Chloride
Concen: 10.154 ppbv
RT: 4.38 min Scan# 494
Delta R.T. -0.01 min
Lab File: VL035369.D
Acq: 7 Aug 2020 5:03

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 41 Resp: 1085260
Ion Ratio Lower Upper
41 100
76 28.5 23.8 35.6
39 79.9 65.0 97.6

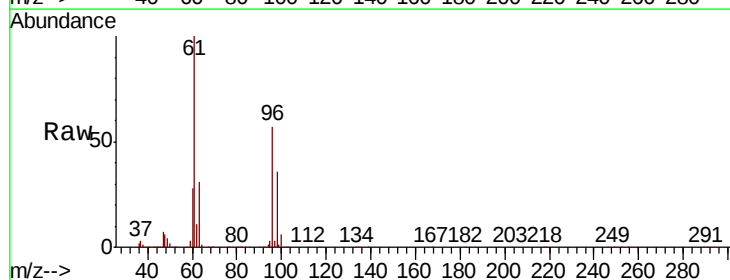


Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0

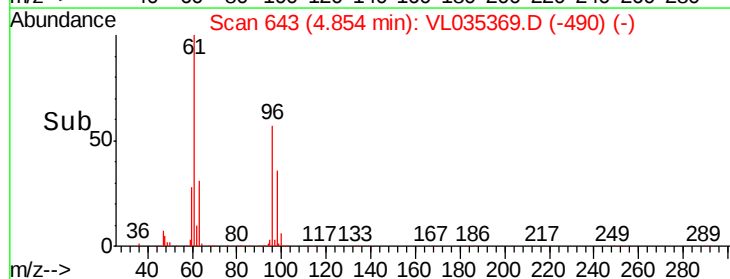
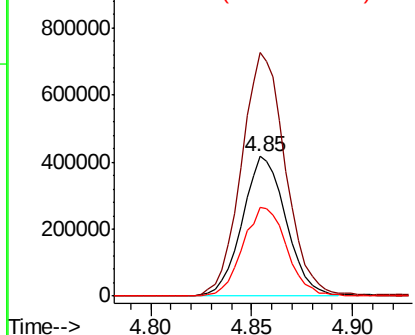


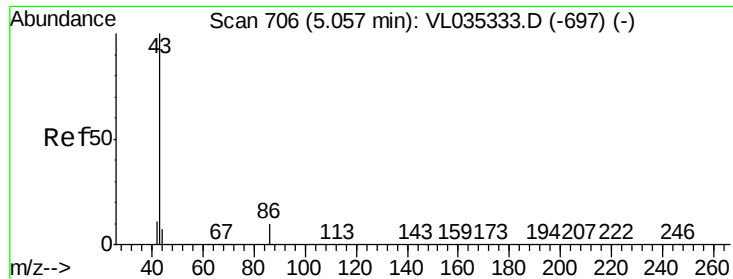
#22
trans-1,2-Dichloroethene
Concen: 9.408 ppbv
RT: 4.85 min Scan# 643
Delta R.T. -0.01 min
Lab File: VL035369.D
Acq: 7 Aug 2020 5:03

Tgt Ion: 96 Resp: 633828
Ion Ratio Lower Upper
96 100
61 174.1 138.5 207.7
98 63.2 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



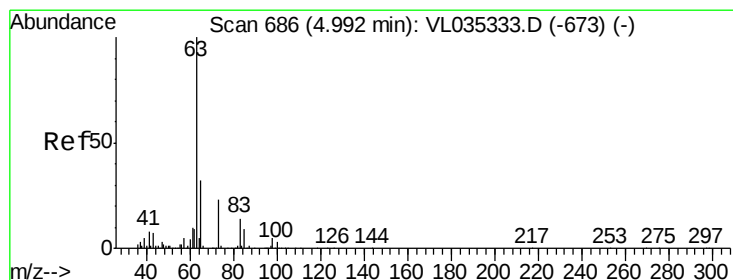
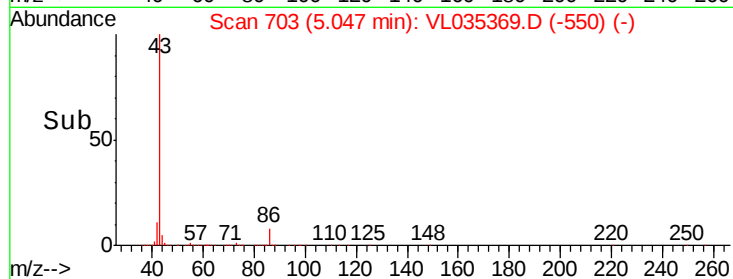
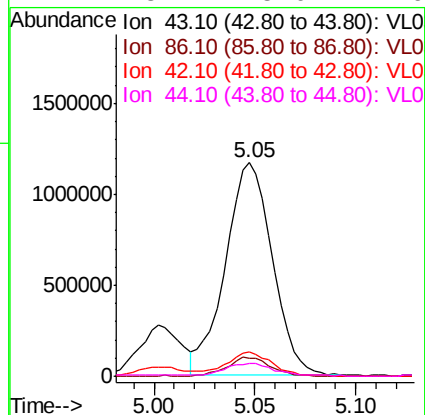
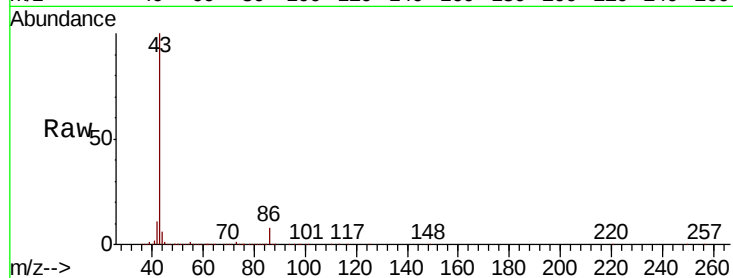


#23
 Vinyl Acetate
 Concen: 10.659 ppbv
 RT: 5.05 min Scan# 703
 Delta R.T. -0.01 min
 Lab File: VL035369.D
 Acq: 7 Aug 2020 5:03

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 43 Resp: 1906457

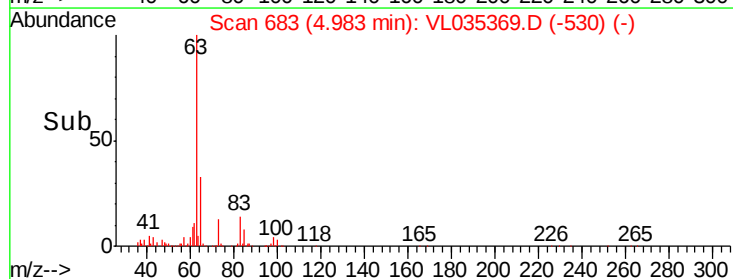
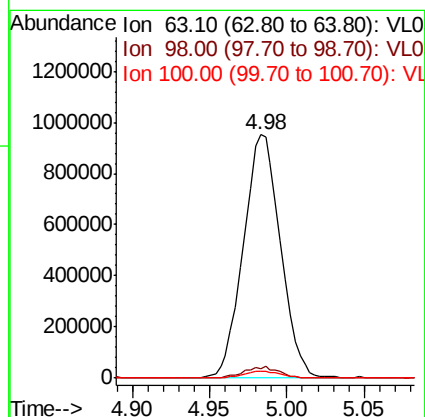
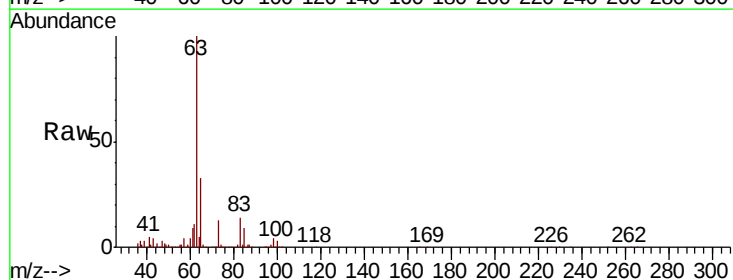
Ion	Ratio	Lower	Upper
43	100		
86	8.2	6.9	10.3
42	11.2	8.8	13.2
44	5.7	5.0	7.6

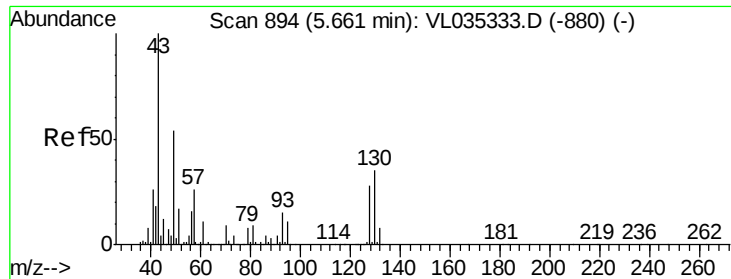


#24
 1,1-Dichloroethane
 Concen: 9.437 ppbv
 RT: 4.98 min Scan# 683
 Delta R.T. -0.01 min
 Lab File: VL035369.D
 Acq: 7 Aug 2020 5:03

Tgt Ion: 63 Resp: 1586257

Ion	Ratio	Lower	Upper
63	100		
98	3.6	2.5	7.5
100	2.7	1.4	4.2

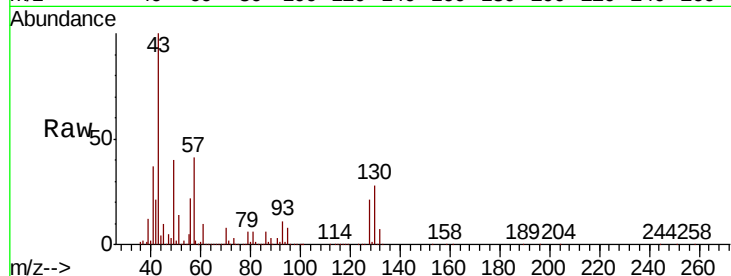




#25
Ethyl Acetate
Concen: 9.570 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.00 min
Lab File: VL035369.D
Acq: 7 Aug 2020 5:03

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	43	Resp:	2712487
Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.5	12.7
61	9.7	8.1	12.1
70	7.6	6.5	9.7



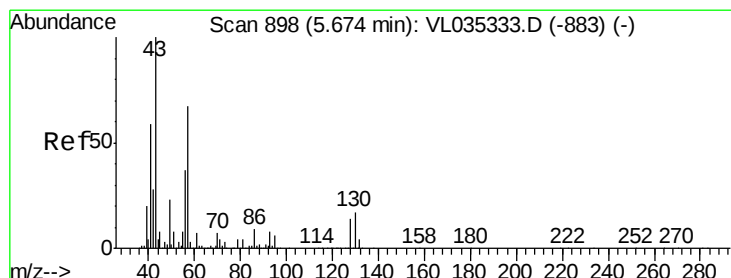
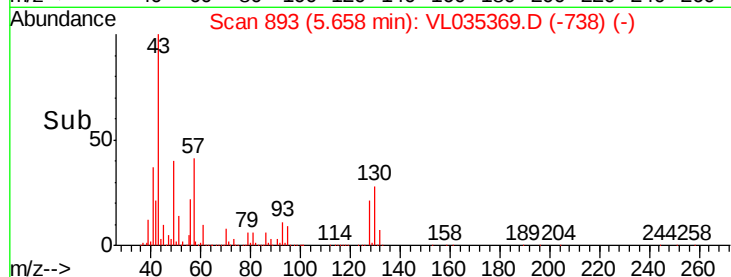
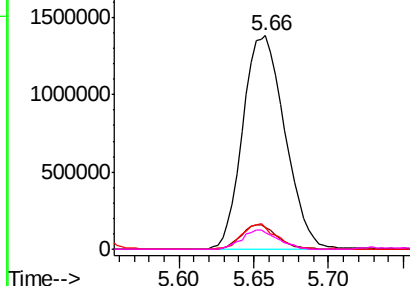
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

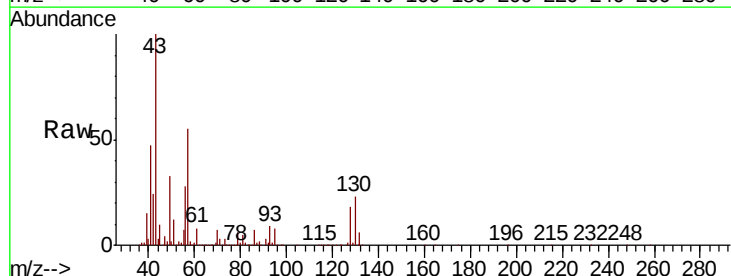
Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.900 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.01 min
Lab File: VL035369.D
Acq: 7 Aug 2020 5:03

Tgt Ion:	57	Resp:	1217125
Ion	Ratio	Lower	Upper
57	100		
41	91.8	75.2	112.8
43	222.9	180.6	270.8
56	54.1	43.0	64.6



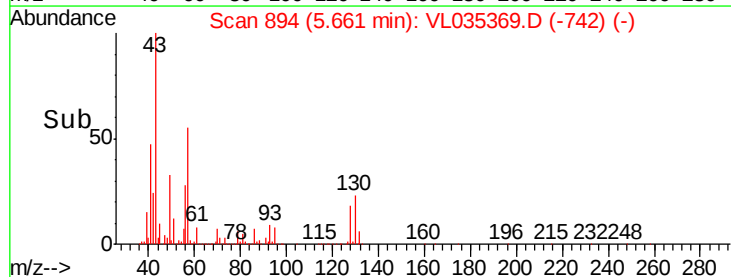
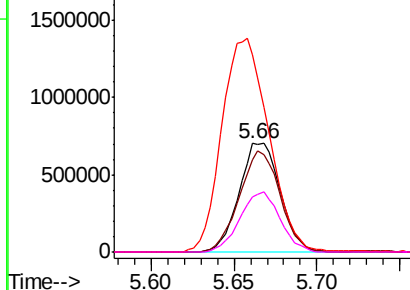
Abundance

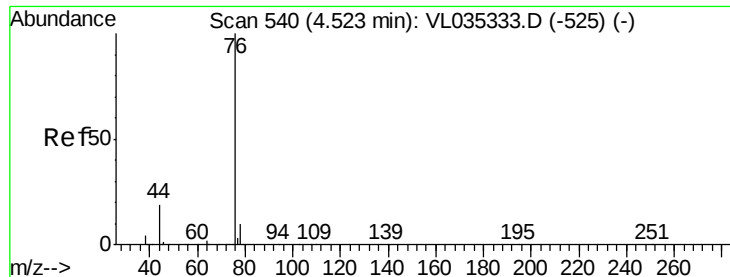
Ion 57.10 (56.80 to 57.80): VL0

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: 10.013 ppbv

RT: 4.52 min Scan# 538

Delta R.T. -0.01 min

Lab File: VL035369.D

Acq: 7 Aug 2020 5:03

Instrument :

MSVOA_L

ClientSampleId :

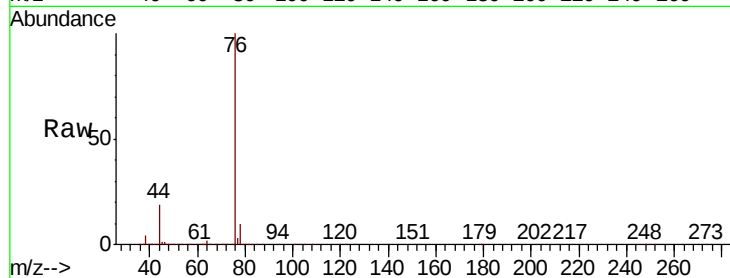
Tot Ion: 76 Resp: 1721493

Ion Ratio Lower Upper

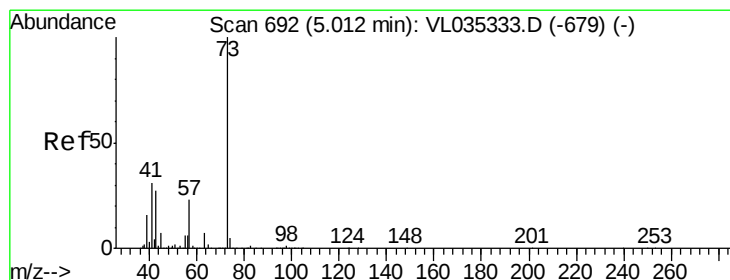
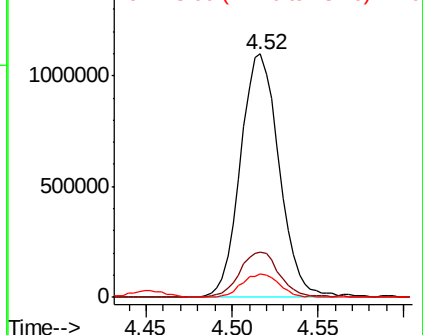
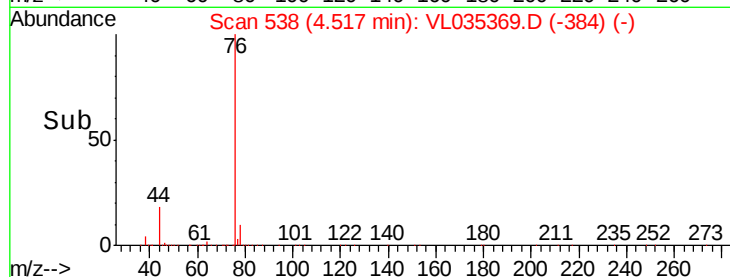
76 100

44 20.1 15.4 23.2

78 9.6 7.7 11.5



Abundance Ion 76.00 (75.70 to 76.70): VL0
1500000
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.157 ppbv

RT: 5.01 min Scan# 690

Delta R.T. -0.01 min

Lab File: VL035369.D

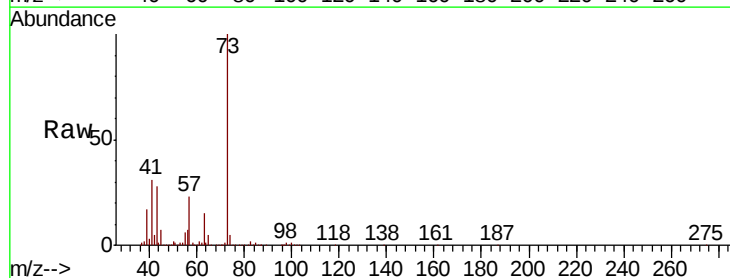
Acq: 7 Aug 2020 5:03

Tgt Ion: 73 Resp: 1636989

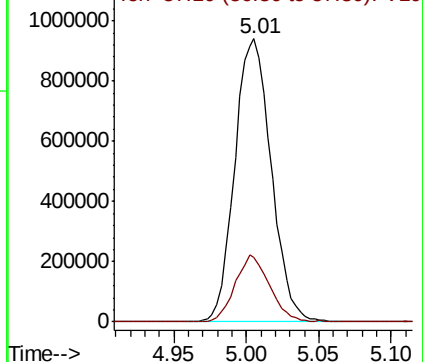
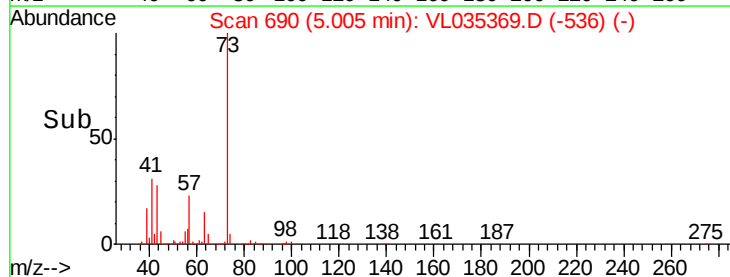
Ion Ratio Lower Upper

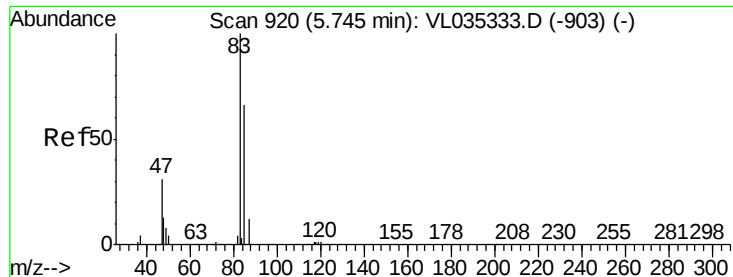
73 100

57 22.6 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VL0
1000000
Ion 57.10 (56.80 to 57.80): VL0

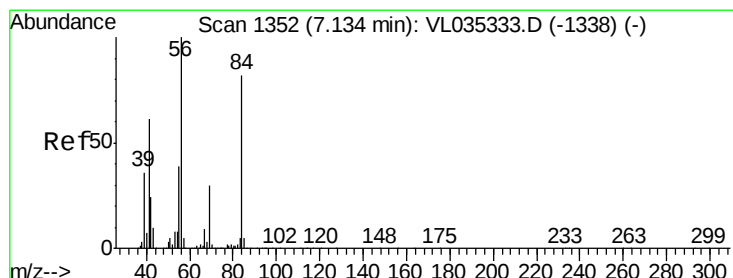
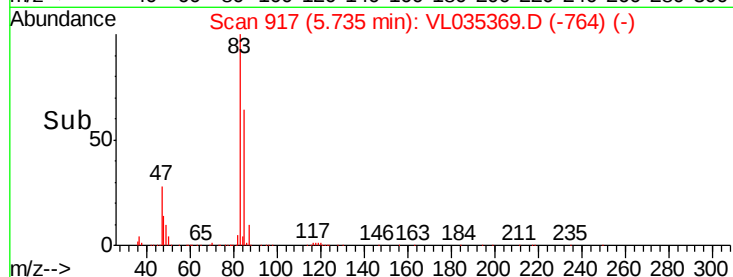
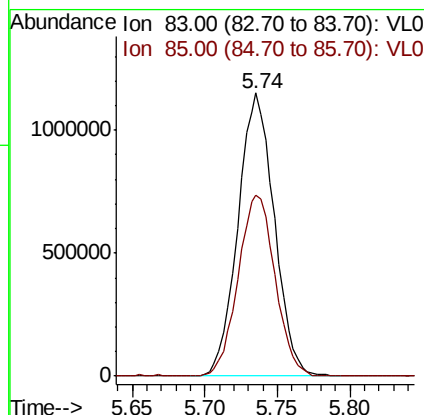
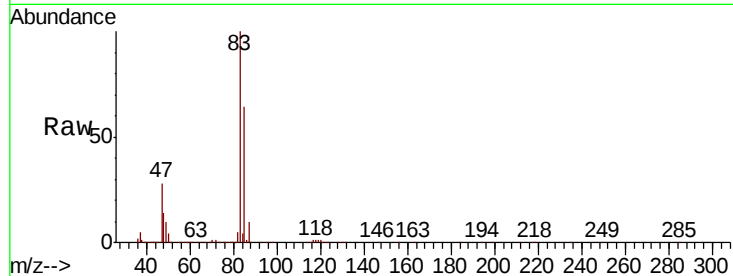




#29
Chloroform
Concen: 9.420 ppbv
RT: 5.74 min Scan# 917
Delta R.T. -0.01 min
Lab File: VL035369.D
Acq: 7 Aug 2020 5:03

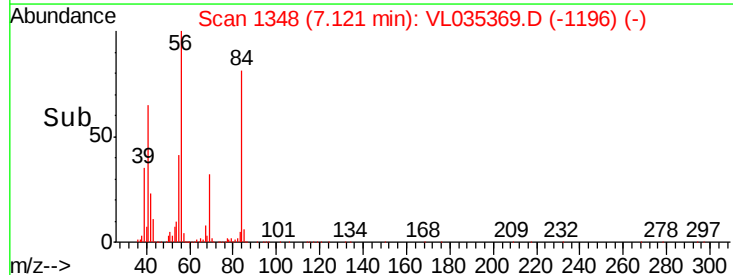
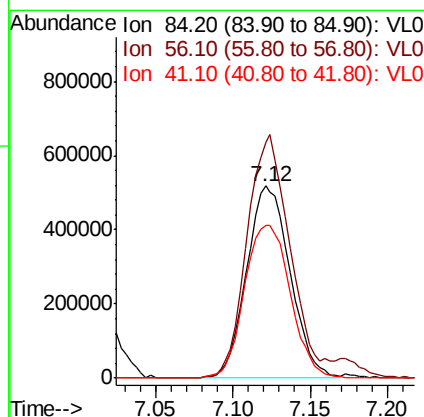
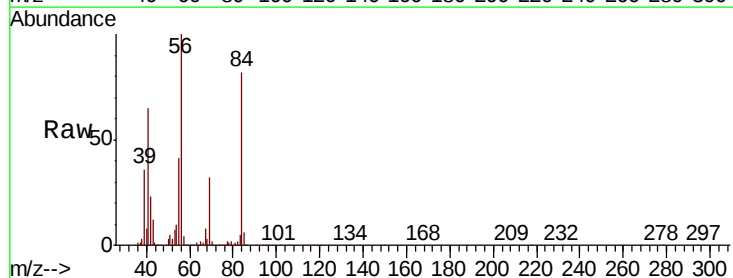
Instrument :
MSVOA_L
ClientSampleId :

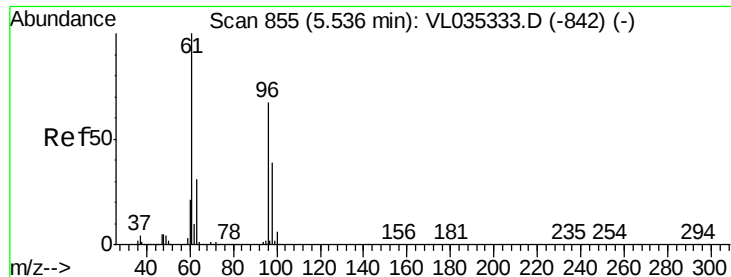
Tot Ion: 83 Resp: 1996577
Ion Ratio Lower Upper
83 100
85 63.8 52.9 79.3



#30
Cyclohexane
Concen: 10.901 ppbv
RT: 7.12 min Scan# 1348
Delta R.T. -0.01 min
Lab File: VL035369.D
Acq: 7 Aug 2020 5:03

Tgt Ion: 84 Resp: 1016290
Ion Ratio Lower Upper
84 100
56 131.6 104.7 157.1
41 83.9 64.2 96.2



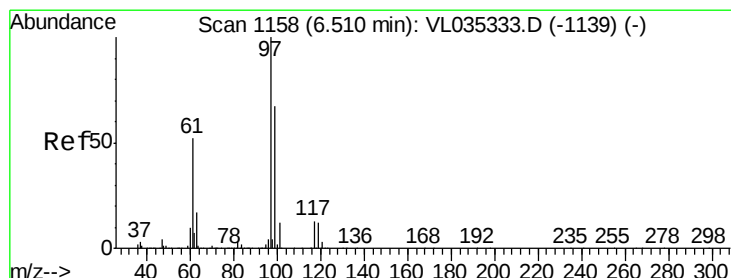
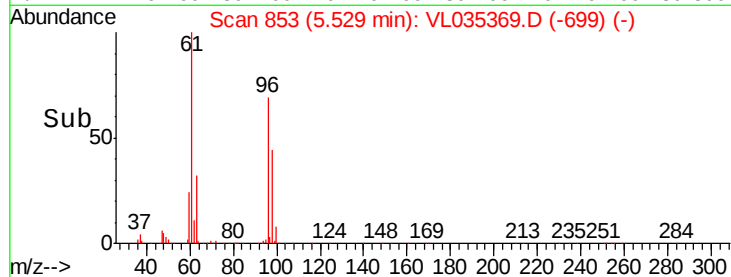
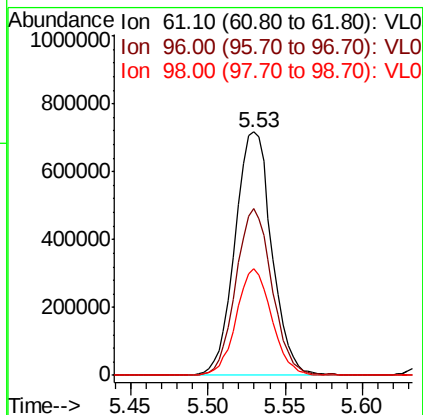
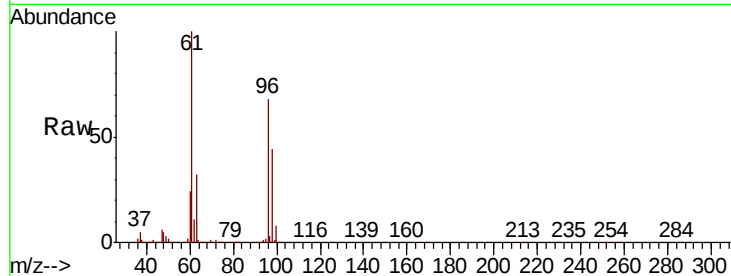


#31

cis-1,2-Dichloroethene
 Concen: 10.834 ppbv
 RT: 5.53 min Scan# 853
 Delta R.T. -0.01 min
 Lab File: VL035369.D
 Acq: 7 Aug 2020 5:03

Instrument :
 MSVOA_L
 ClientSampleId :

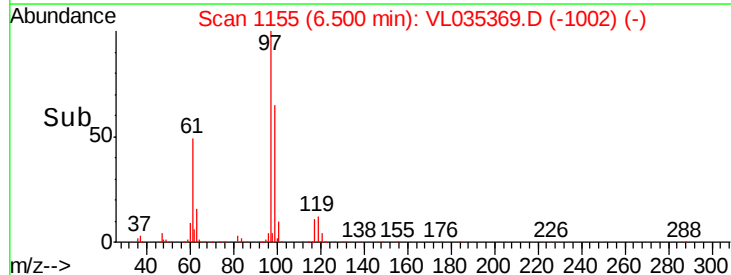
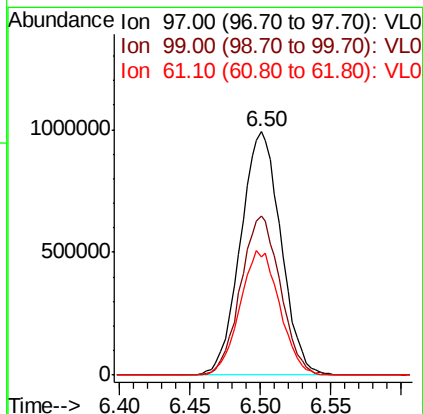
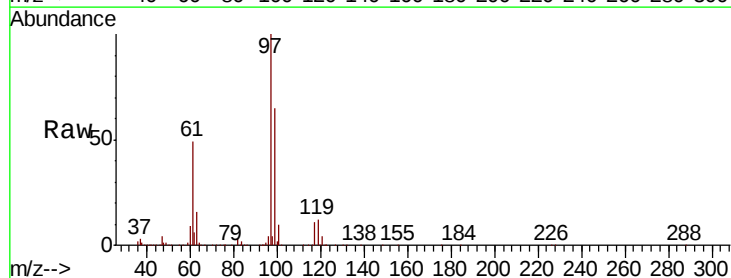
Tot Ion: 61 Resp: 1184082
 Ion Ratio Lower Upper
 61 100
 96 68.3 53.6 80.4
 98 43.8 31.0 46.4

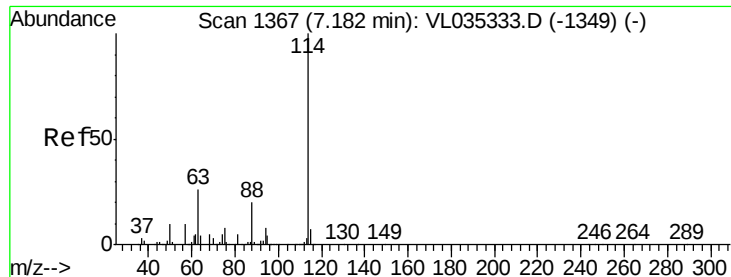


#32

1,1,1-Trichloroethane
 Concen: 8.905 ppbv
 RT: 6.50 min Scan# 1155
 Delta R.T. -0.01 min
 Lab File: VL035369.D
 Acq: 7 Aug 2020 5:03

Tgt Ion: 97 Resp: 1983835
 Ion Ratio Lower Upper
 97 100
 99 64.8 52.2 78.4
 61 50.7 40.9 61.3



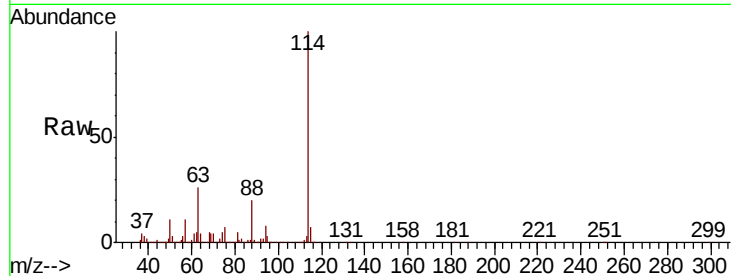


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.01 min
 Lab File: VL035369.D
 Acq: 7 Aug 2020 5:03

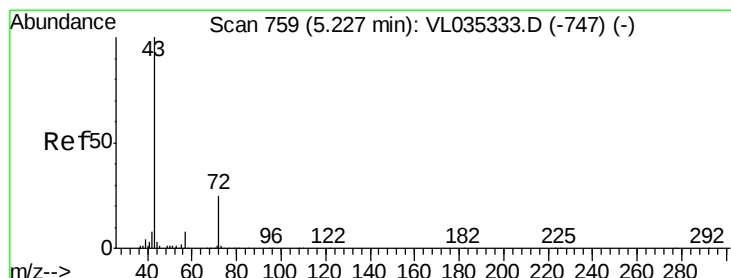
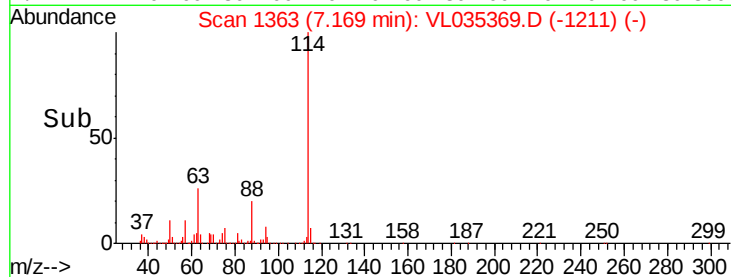
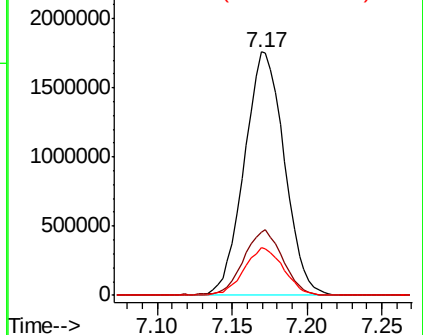
Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 3276578

Ion	Ratio	Lower	Upper
114	100		
63	26.6	21.3	31.9
88	19.3	15.3	22.9



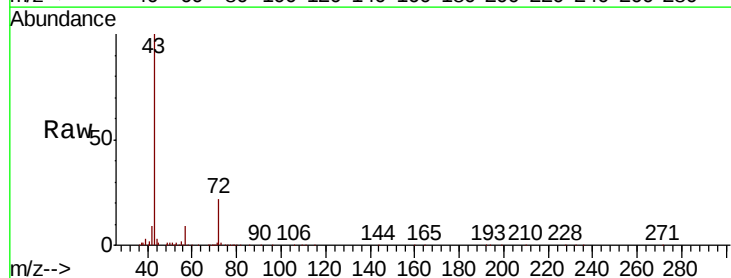
Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0



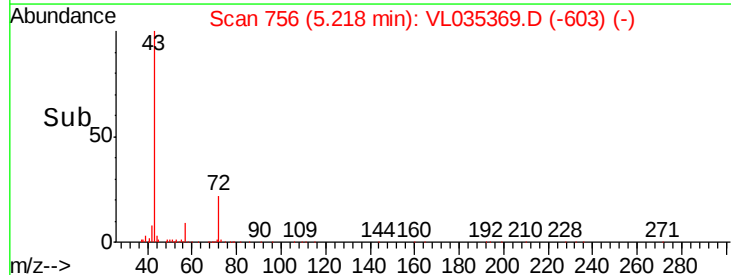
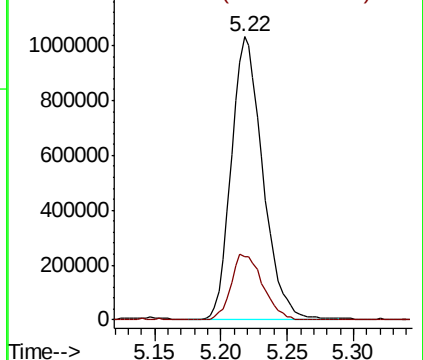
#34
 2-Butanone
 Concen: 10.530 ppbv
 RT: 5.22 min Scan# 756
 Delta R.T. -0.01 min
 Lab File: VL035369.D
 Acq: 7 Aug 2020 5:03

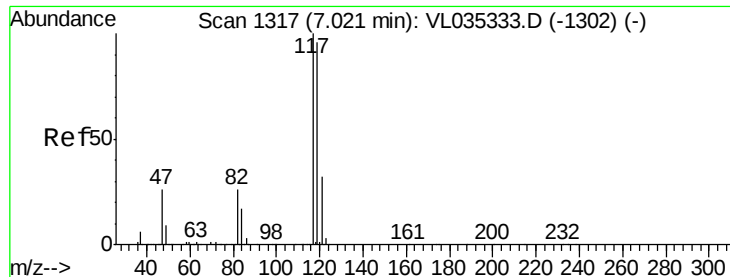
Tgt Ion: 43 Resp: 1698882

Ion	Ratio	Lower	Upper
43	100		
72	23.5	18.9	28.3



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0

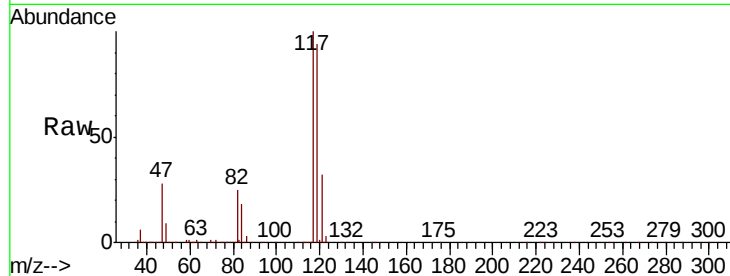




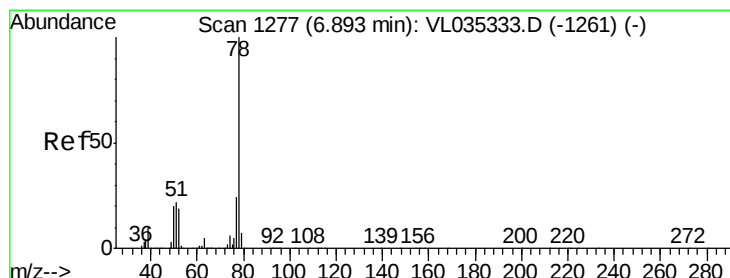
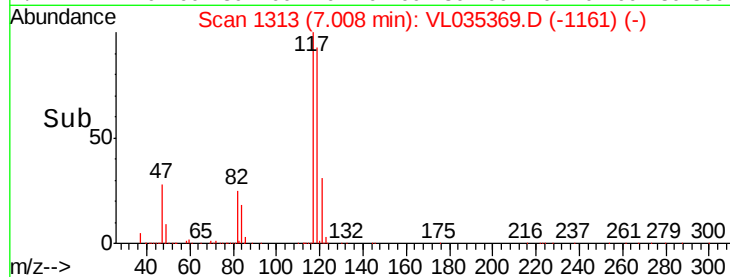
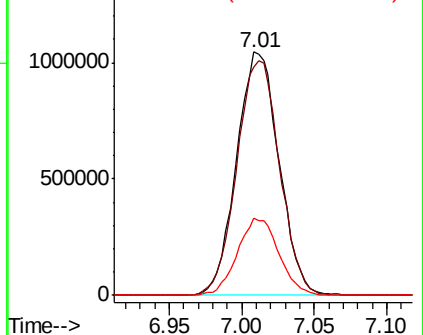
#35
Carbon Tetrachloride
Concen: 9.422 ppbv
RT: 7.01 min Scan# 1313
Delta R.T. -0.01 min
Lab File: VL035369.D
Acq: 7 Aug 2020 5:03

Instrument :
MSVOA_L
ClientSampled :

Tot Ion:117 Resp: 2124524
Ion Ratio Lower Upper
117 100
119 93.7 77.0 115.6
121 31.5 26.0 39.0

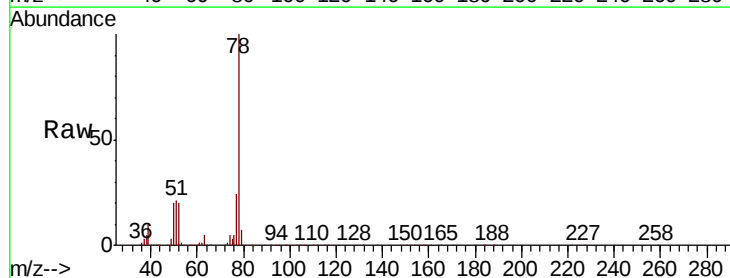


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

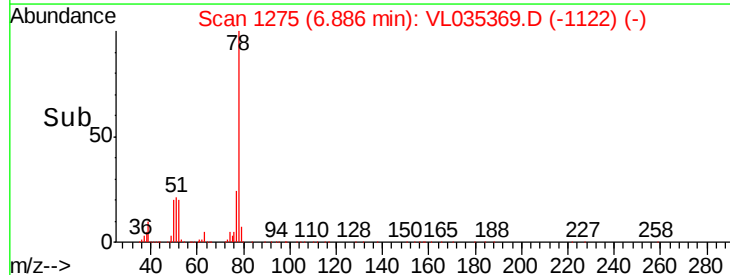
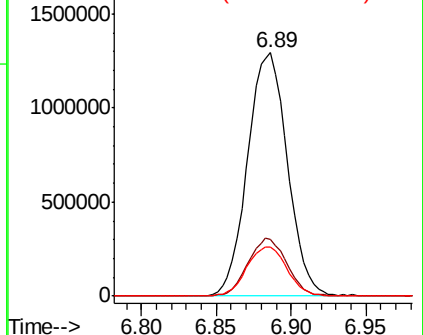


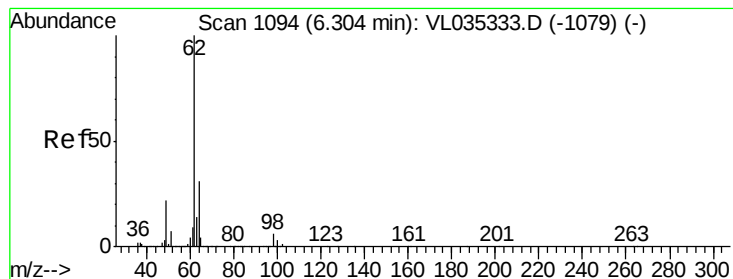
#36
Benzene
Concen: 10.864 ppbv
RT: 6.89 min Scan# 1275
Delta R.T. -0.01 min
Lab File: VL035369.D
Acq: 7 Aug 2020 5:03

Tgt Ion: 78 Resp: 2403723
Ion Ratio Lower Upper
78 100
77 23.5 19.3 28.9
50 20.2 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: 10.041 ppbv

RT: 6.29 min Scan# 1091

Delta R.T. -0.01 min

Lab File: VL035369.D

Acq: 7 Aug 2020 5:03

Instrument :

MSVOA_L

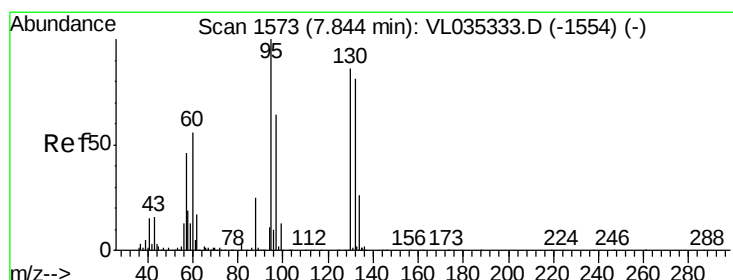
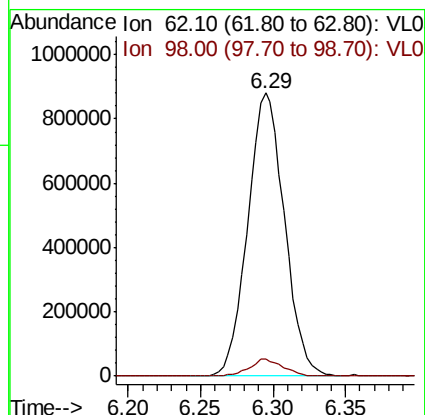
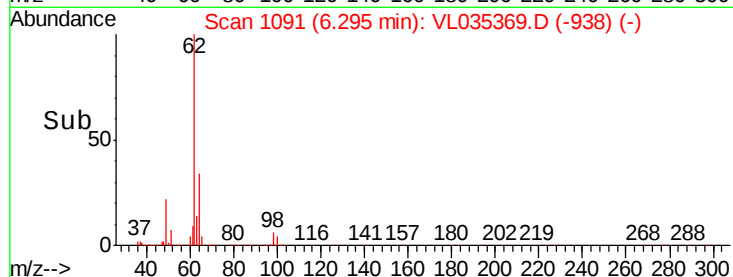
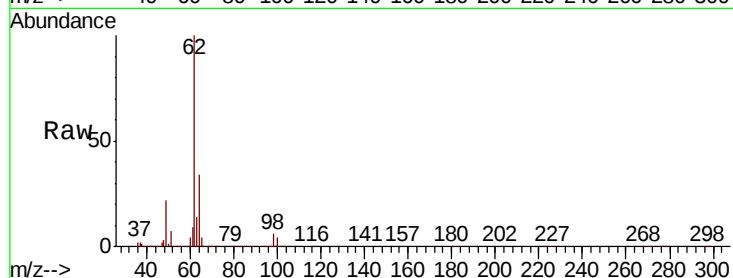
ClientSampleId :

Tot Ion: 62 Resp: 1552062

Ion Ratio Lower Upper

62 100

98 5.6 4.6 7.0



#38

Trichloroethene

Concen: 10.314 ppbv

RT: 7.83 min Scan# 1570

Delta R.T. -0.01 min

Lab File: VL035369.D

Acq: 7 Aug 2020 5:03

Tgt Ion:130 Resp: 1052643

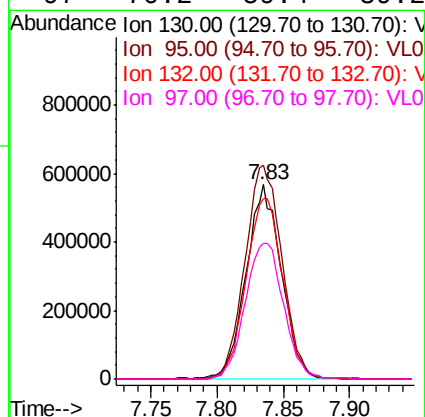
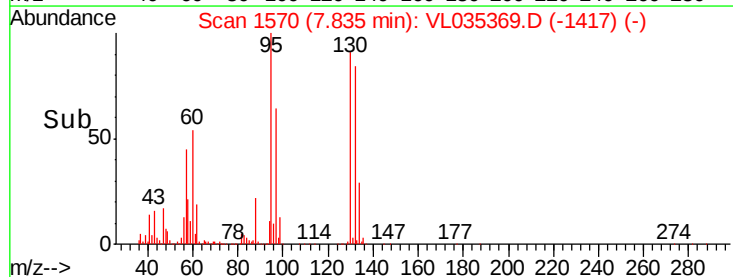
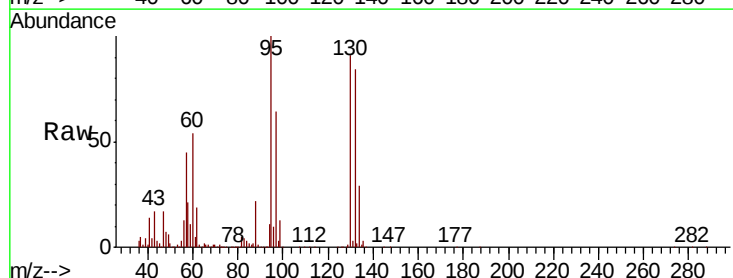
Ion Ratio Lower Upper

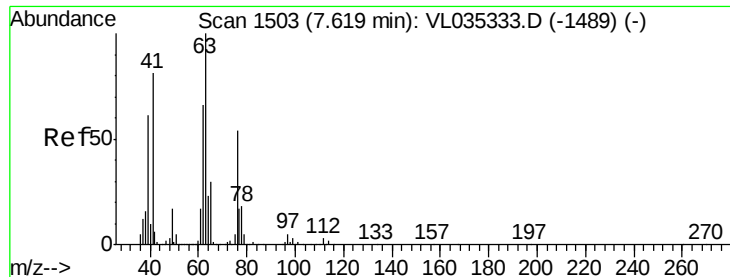
130 100

95 110.1 93.4 140.2

132 92.6 76.1 114.1

97 70.2 59.4 89.2

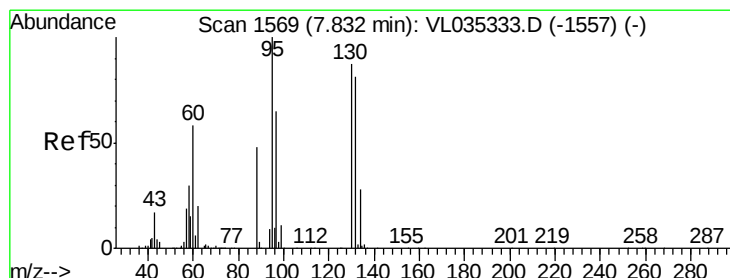
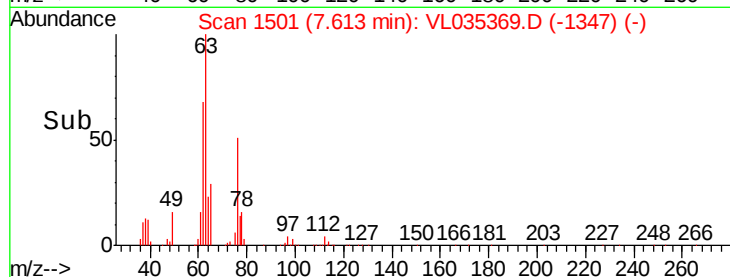
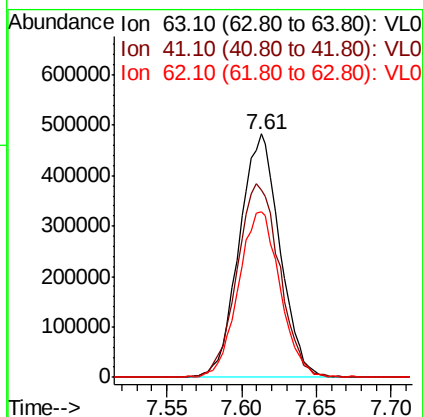
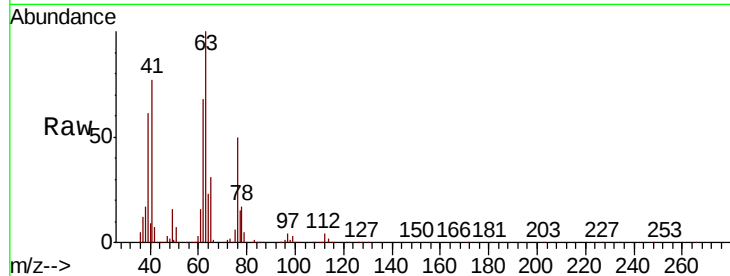




#39
 1,2-Dichloropropane
 Concen: 10.171 ppbv
 RT: 7.61 min Scan# 1501
 Delta R.T. -0.01 min
 Lab File: VL035369.D
 Acq: 7 Aug 2020 5:03

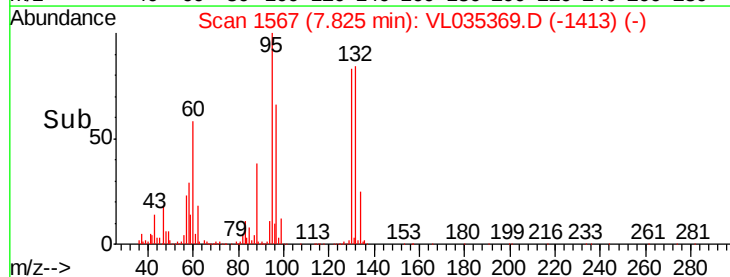
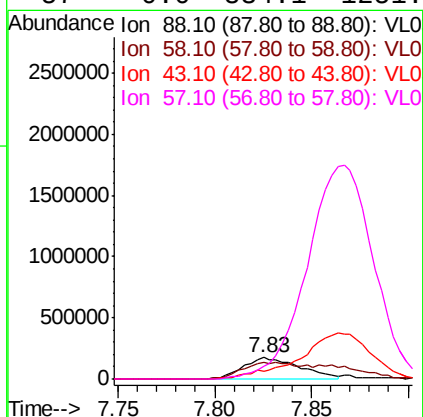
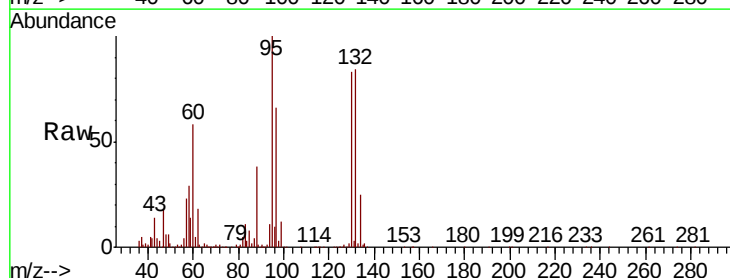
Instrument :
 MSVOA_L
 ClientSampleId :

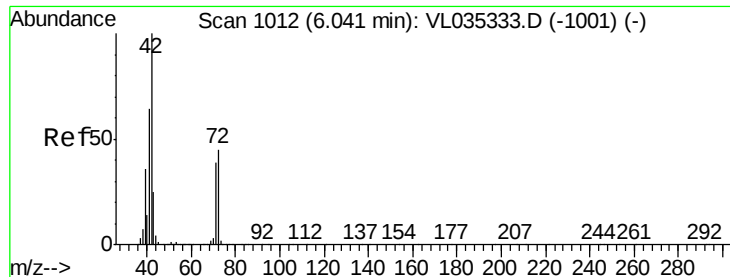
Tot Ion	Ratio	Lower	Upper
63	100		
41	76.6	64.4	96.6
62	67.6	52.6	78.8



#40
 1,4-Dioxane
 Concen: 9.358 ppbv
 RT: 7.83 min Scan# 1567
 Delta R.T. -0.01 min
 Lab File: VL035369.D
 Acq: 7 Aug 2020 5:03

Tgt Ion	Ratio	Lower	Upper
88	100		
58	136.2	96.7	145.1
43	0.0	190.7	286.1#
57	0.0	834.1	1251.1#

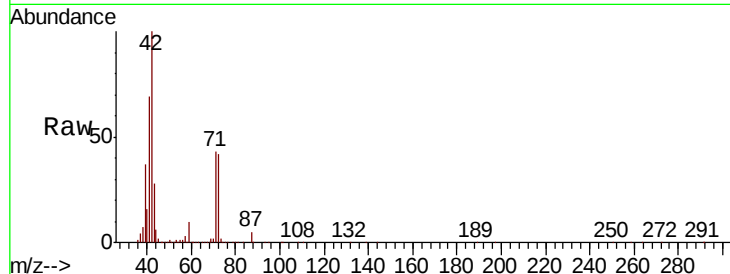




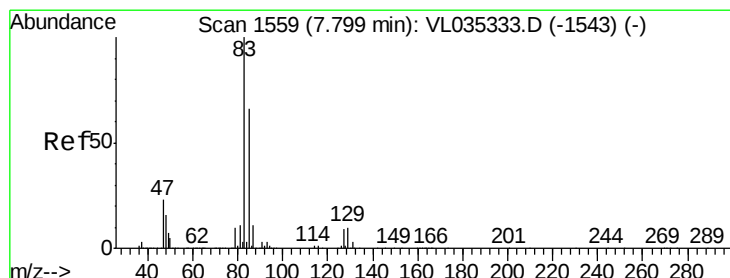
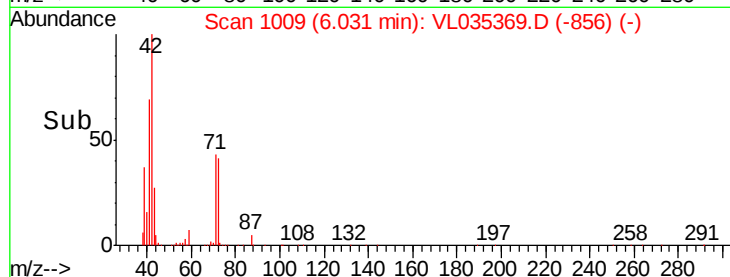
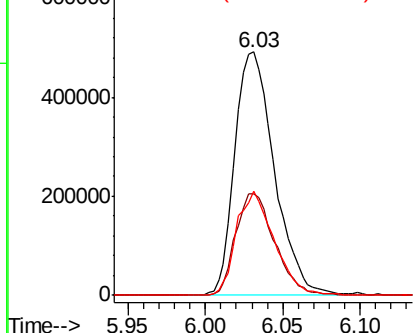
#41
Tetrahydrofuran
Concen: 11.029 ppbv
RT: 6.03 min Scan# 1009
Delta R.T. -0.01 min
Lab File: VL035369.D
Acq: 7 Aug 2020 5:03

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 42 Resp: 873170
Ion Ratio Lower Upper
42 100
72 41.3 33.6 50.4
71 40.9 33.1 49.7

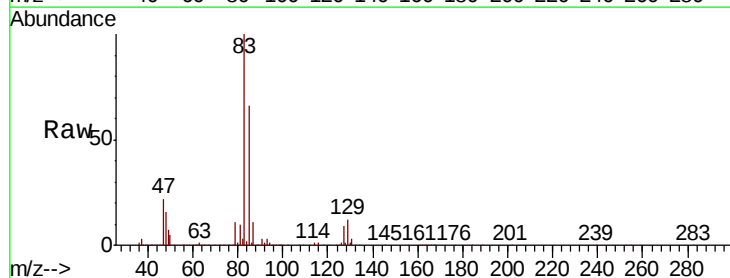


Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0

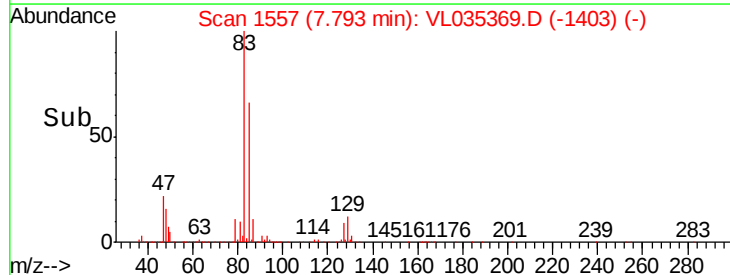
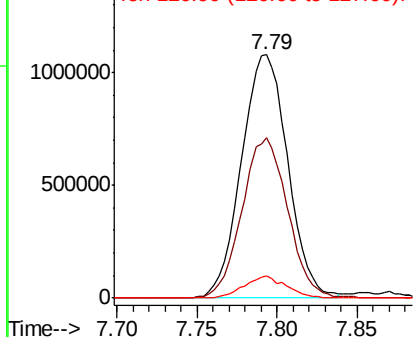


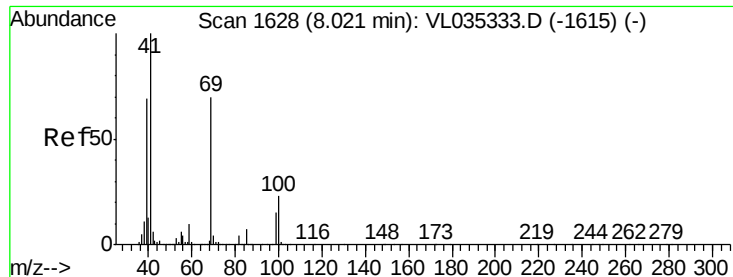
#42
Bromodichloromethane
Concen: 10.311 ppbv
RT: 7.79 min Scan# 1557
Delta R.T. -0.01 min
Lab File: VL035369.D
Acq: 7 Aug 2020 5:03

Tgt Ion: 83 Resp: 2140242
Ion Ratio Lower Upper
83 100
85 65.6 53.1 79.7
127 8.9 6.8 10.2



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V

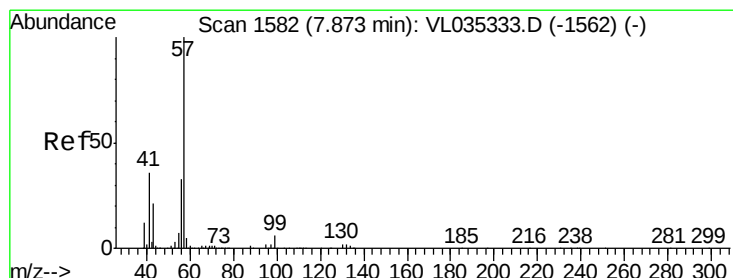
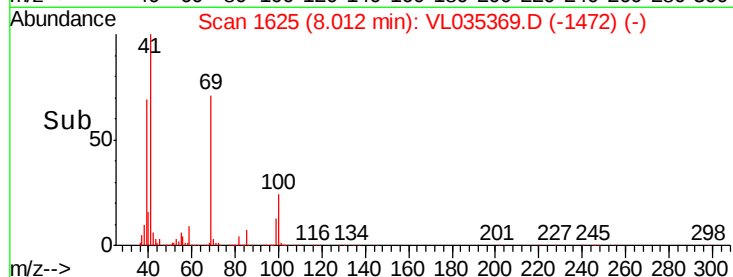
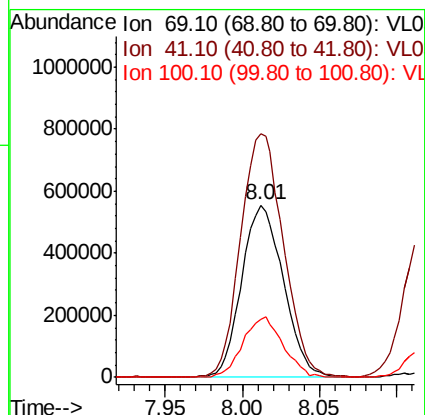
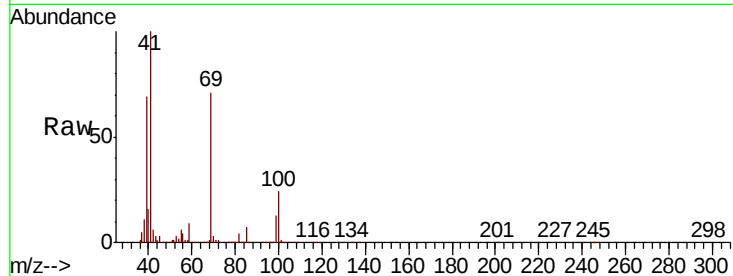




#43
Methyl Methacrylate
Concen: 11.154 ppbv
RT: 8.01 min Scan# 1625
Delta R.T. -0.01 min
Lab File: VL035369.D
Acq: 7 Aug 2020 5:03

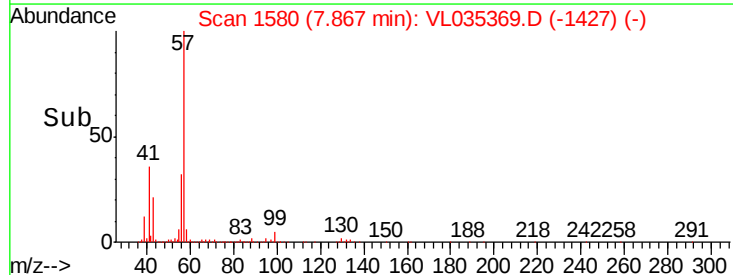
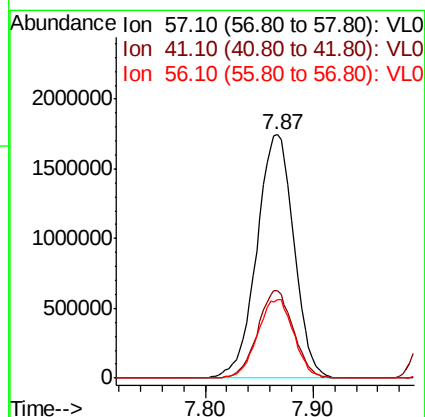
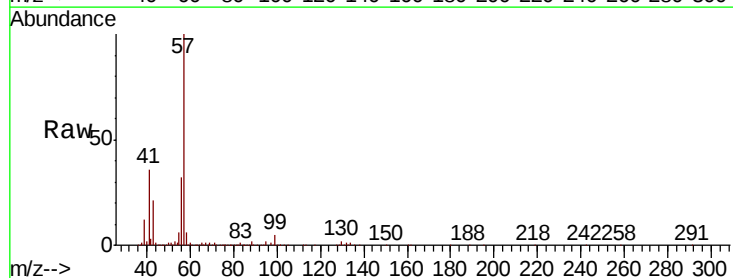
Instrument :
MSVOA_L
ClientSampled :

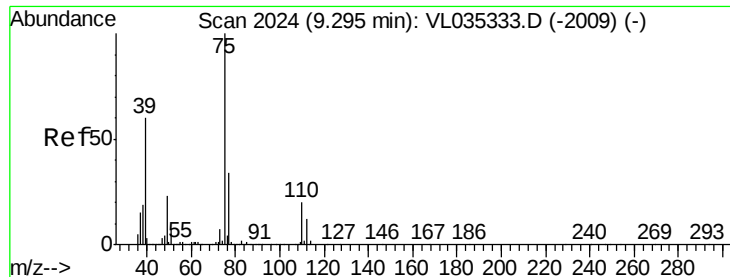
Tot Ion: 69 Resp: 1038281
Ion Ratio Lower Upper
69 100
41 145.7 115.8 173.6
100 34.0 26.7 40.1



#44
2,2,4-Trimethylpentane
Concen: 10.604 ppbv
RT: 7.87 min Scan# 1580
Delta R.T. -0.01 min
Lab File: VL035369.D
Acq: 7 Aug 2020 5:03

Tgt Ion: 57 Resp: 4168121
Ion Ratio Lower Upper
57 100
41 34.5 27.9 41.9
56 31.7 25.4 38.0





#45

t-1,3-Dichloropropene

Concen: 13.148 ppbv

RT: 9.29 min Scan# 2022

Delta R.T. -0.01 min

Lab File: VL035369.D

Acq: 7 Aug 2020 5:03

Instrument :

MSVOA_L

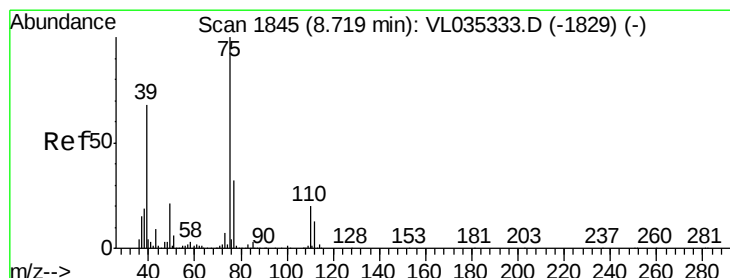
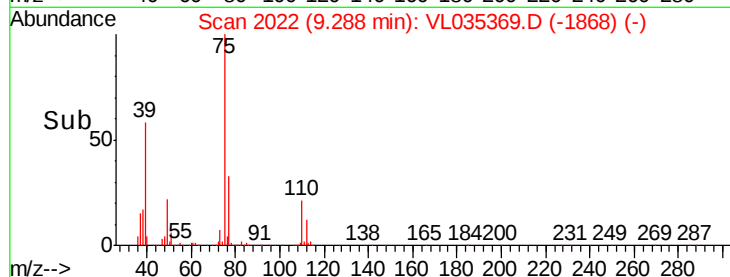
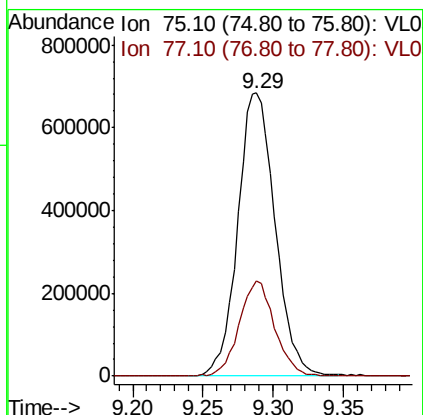
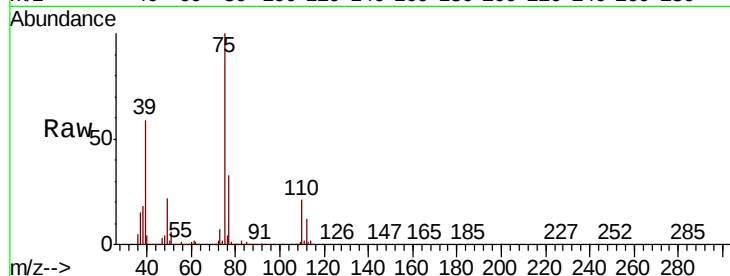
ClientSampleId :

Tot Ion: 75 Resp: 1269575

Ion Ratio Lower Upper

75 100

77 33.5 27.0 40.6



#46

cis-1,3-Dichloropropene

Concen: 12.955 ppbv

RT: 8.71 min Scan# 1842

Delta R.T. -0.01 min

Lab File: VL035369.D

Acq: 7 Aug 2020 5:03

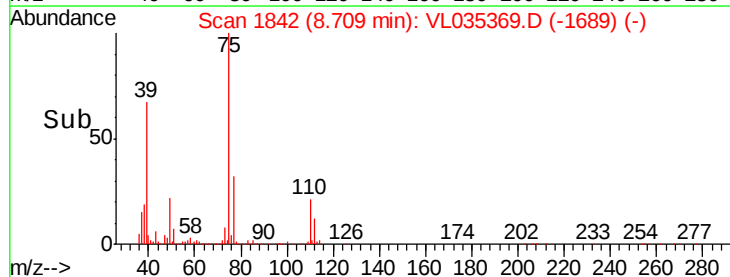
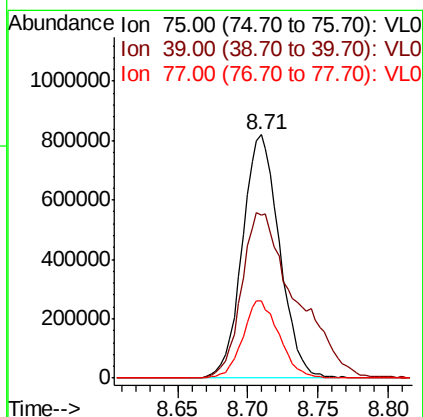
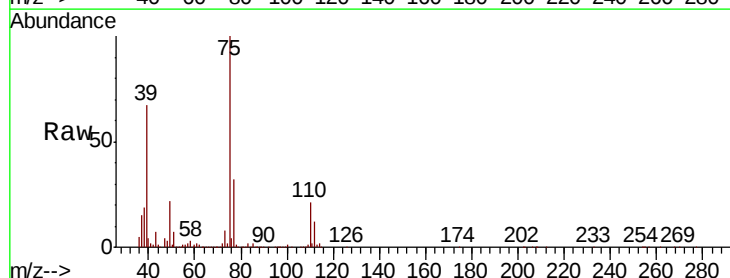
Tgt Ion: 75 Resp: 1510694

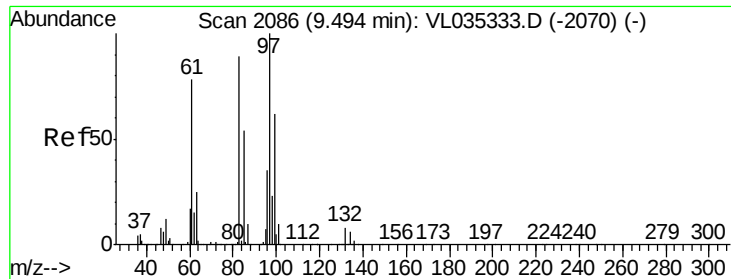
Ion Ratio Lower Upper

75 100

39 67.0 54.2 81.2

77 31.9 25.4 38.2



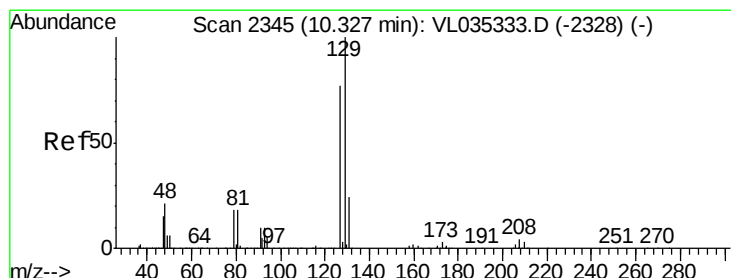
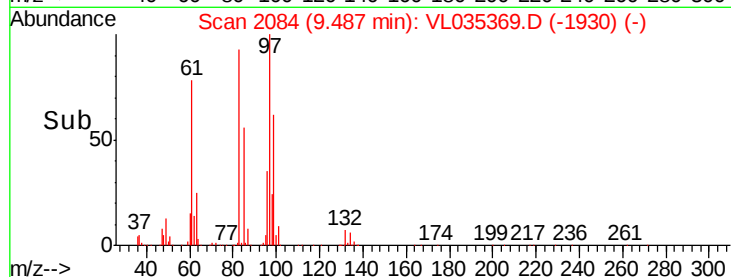
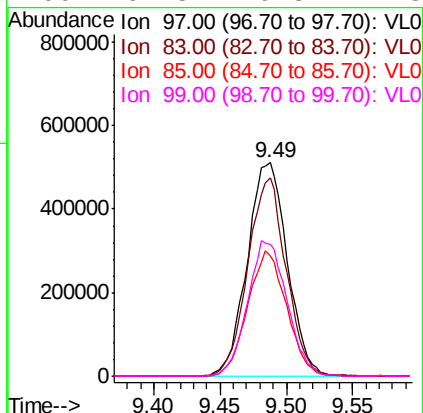
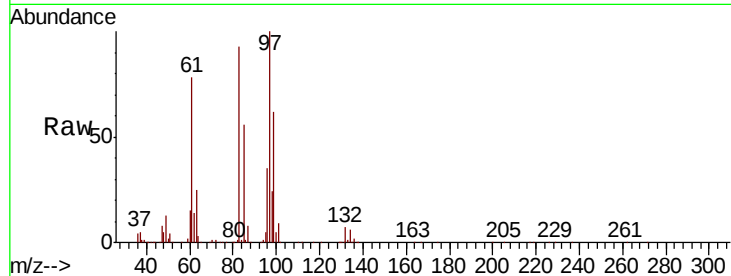


#47
 1,1,2-Trichloroethane
 Concen: 9.965 ppbv
 RT: 9.49 min Scan# 2084
 Delta R.T. -0.01 min
 Lab File: VL035369.D
 Acq: 7 Aug 2020 5:03

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 97 Resp: 1073152

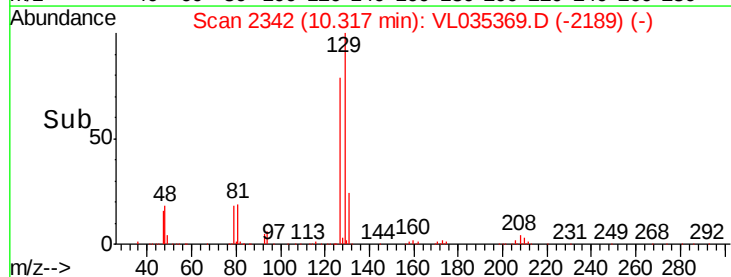
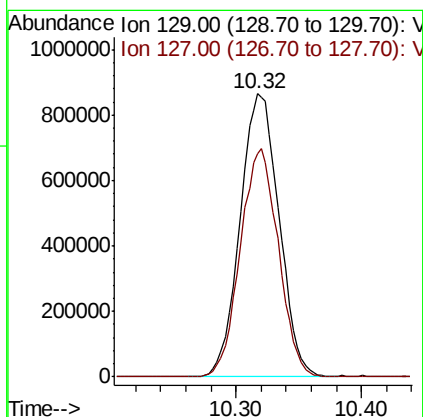
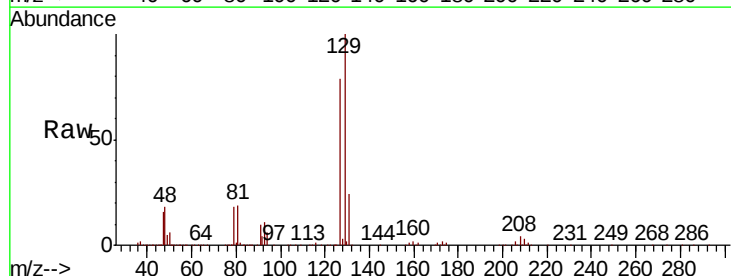
Ion	Ratio	Lower	Upper
97	100		
83	92.9	71.3	106.9
85	56.5	43.3	64.9
99	61.8	49.8	74.8

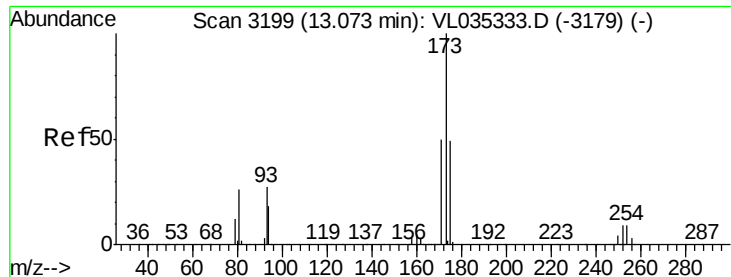


#48
 Dibromochloromethane
 Concen: 10.595 ppbv
 RT: 10.32 min Scan# 2342
 Delta R.T. -0.01 min
 Lab File: VL035369.D
 Acq: 7 Aug 2020 5:03

Tgt Ion: 129 Resp: 1869019

Ion	Ratio	Lower	Upper
129	100		
127	78.8	39.1	117.2





#49

Bromoform

Concen: 10.939 ppbv

RT: 13.07 min Scan# 3197

Delta R.T. -0.01 min

Lab File: VL035369.D

Acq: 7 Aug 2020 5:03

Instrument :

MSVOA_L

ClientSampleId :

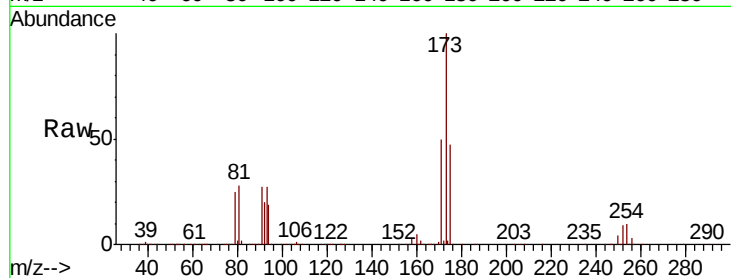
Tot Ion:173 Resp: 1758484

Ion Ratio Lower Upper

173 100

175 49.0 39.3 58.9

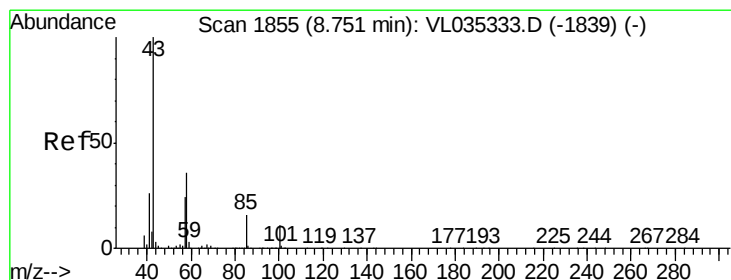
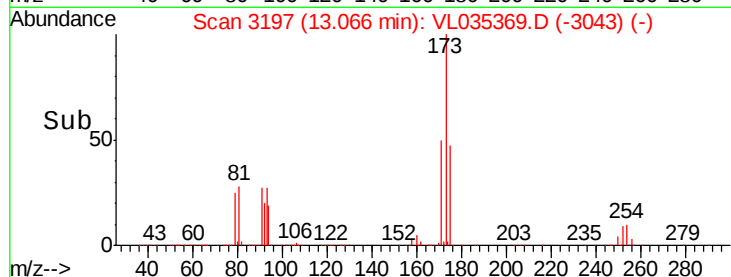
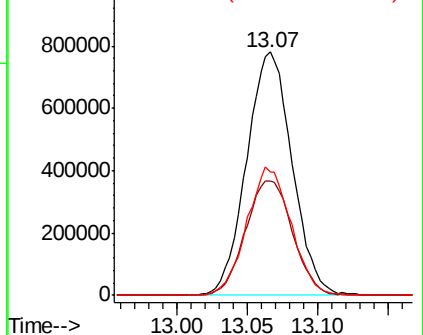
171 51.4 41.2 61.8



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: 10.498 ppbv

RT: 8.74 min Scan# 1852

Delta R.T. -0.01 min

Lab File: VL035369.D

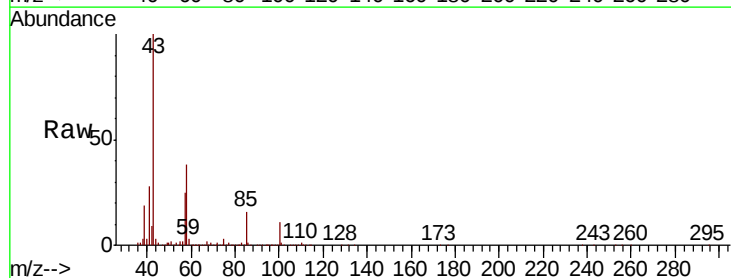
Acq: 7 Aug 2020 5:03

Tgt Ion: 43 Resp: 2585977

Ion Ratio Lower Upper

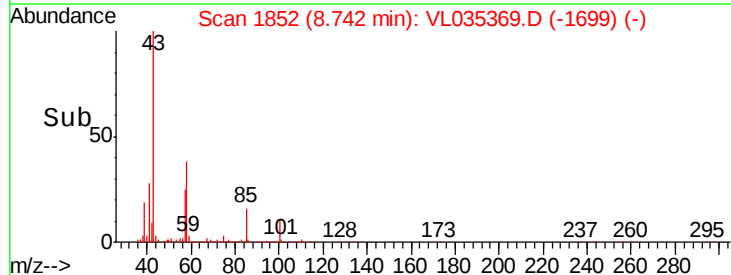
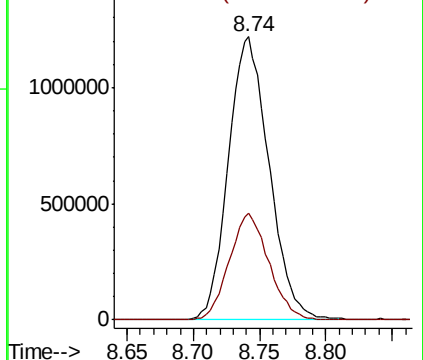
43 100

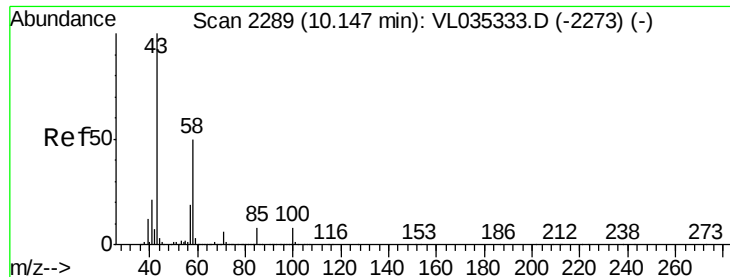
58 37.0 29.2 43.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

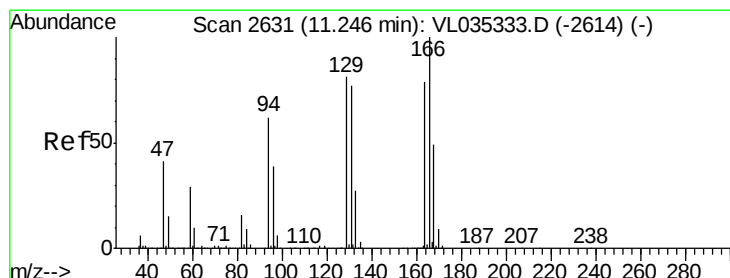
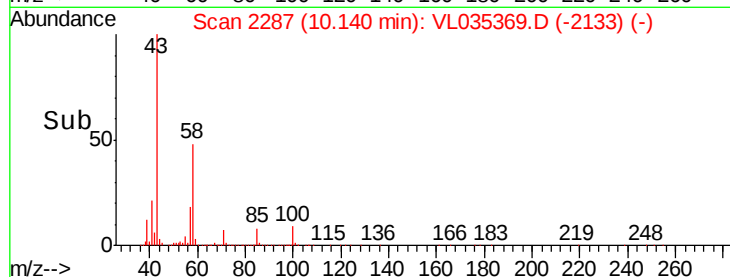
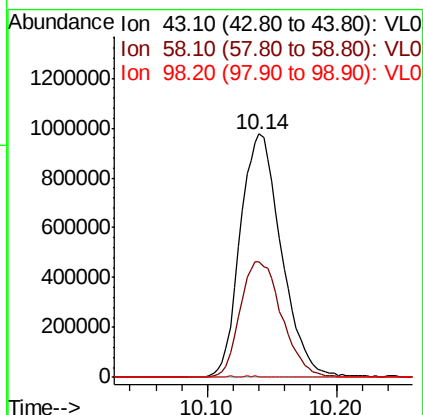
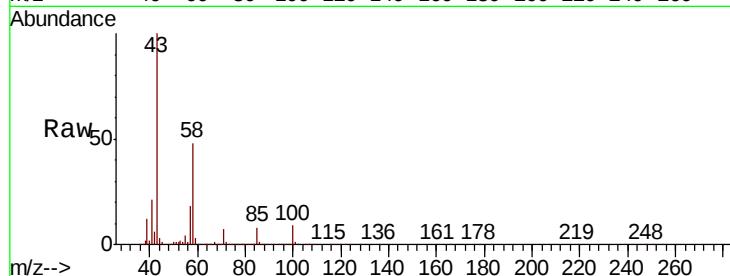




#51
2-Hexanone
Concen: 11.195 ppbv
RT: 10.14 min Scan# 2287
Delta R.T. -0.01 min
Lab File: VL035369.D
Acq: 7 Aug 2020 5:03

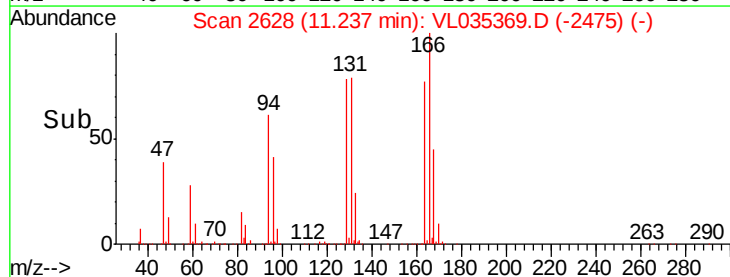
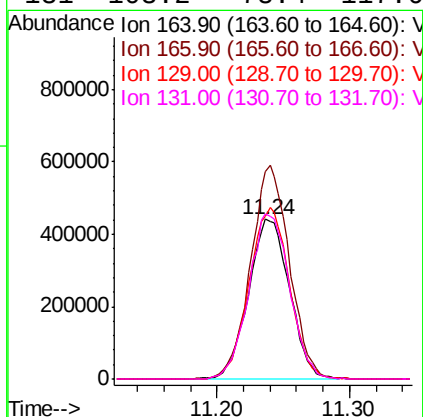
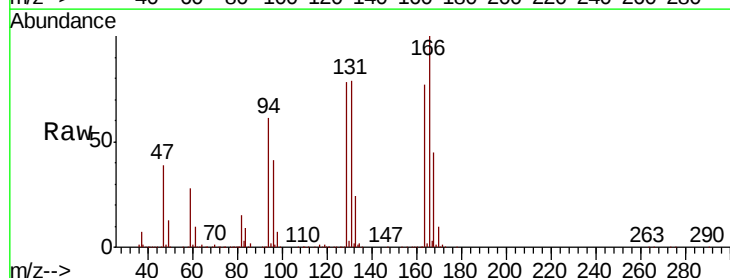
Instrument :
MSVOA_L
ClientSampleId :

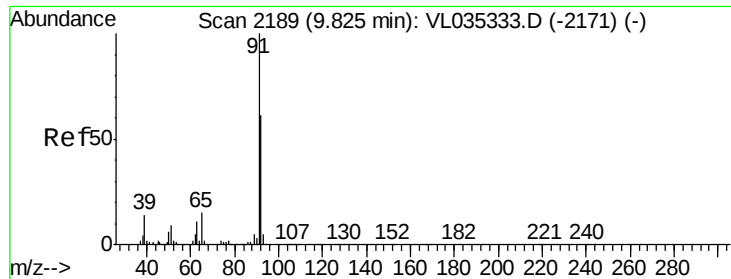
Tot Ion: 43 Resp: 2161861
Ion Ratio Lower Upper
43 100
58 48.7 39.4 59.2
98 0.7 0.2 0.4#



#52
Tetrachloroethene
Concen: 10.762 ppbv
RT: 11.24 min Scan# 2628
Delta R.T. -0.01 min
Lab File: VL035369.D
Acq: 7 Aug 2020 5:03

Tgt Ion:164 Resp: 944046
Ion Ratio Lower Upper
164 100
166 130.2 101.4 152.0
129 101.8 82.1 123.1
131 103.2 78.4 117.6





#53

Toluene

Concen: 12.055 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. -0.01 min

Lab File: VL035369.D

Acq: 7 Aug 2020 5:03

Instrument :

MSVOA_L

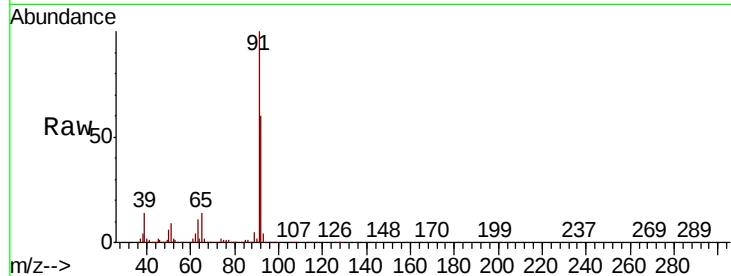
ClientSampleId :

Tot Ion: 91 Resp: 2901556

Ion Ratio Lower Upper

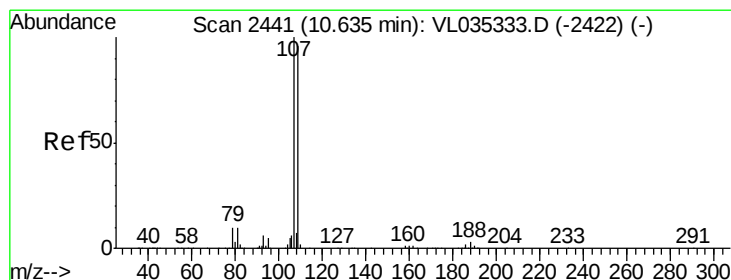
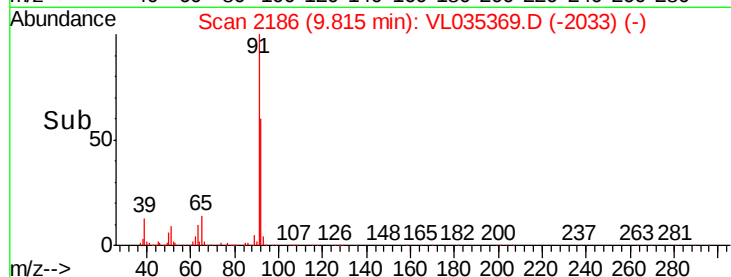
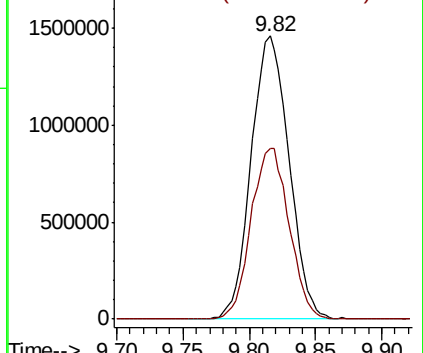
91 100

92 60.7 48.5 72.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 10.582 ppbv

RT: 10.63 min Scan# 2439

Delta R.T. -0.01 min

Lab File: VL035369.D

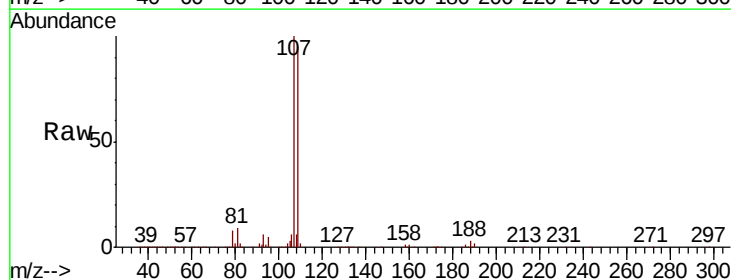
Acq: 7 Aug 2020 5:03

Tgt Ion: 107 Resp: 1634965

Ion Ratio Lower Upper

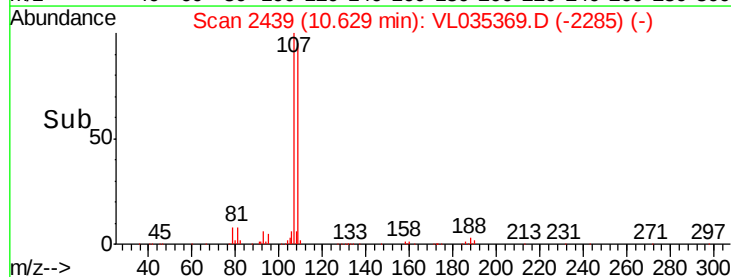
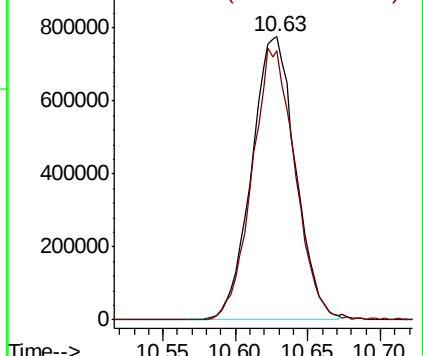
107 100

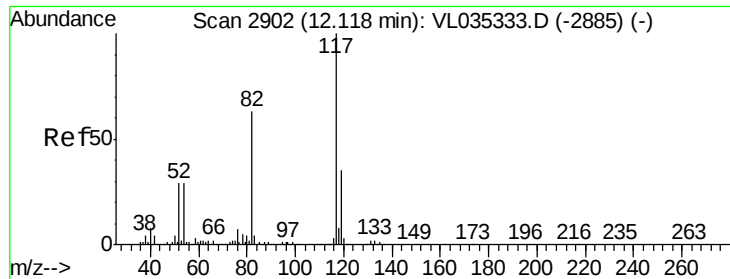
109 95.0 76.8 115.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

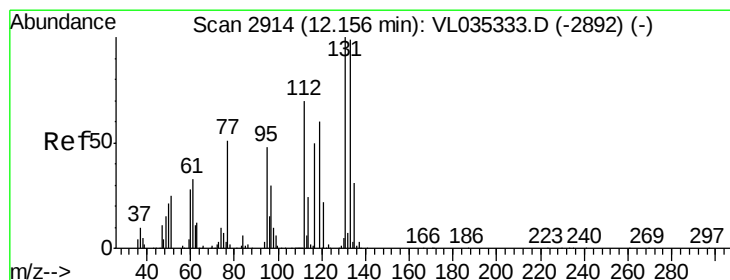
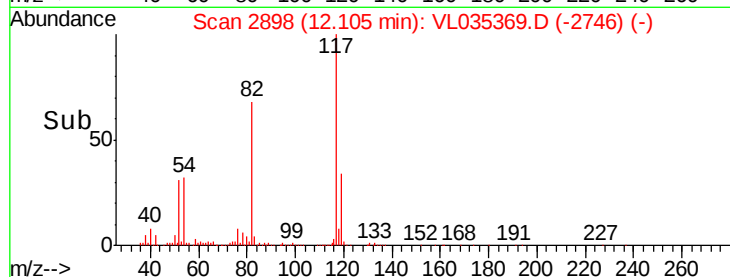
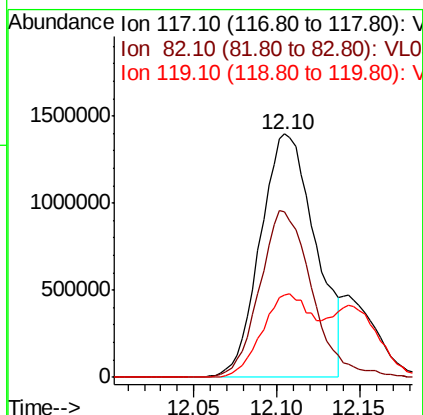
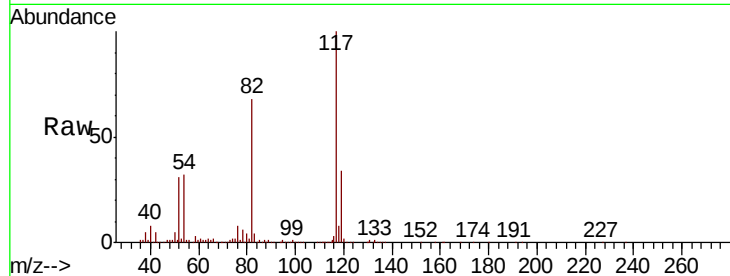




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. -0.01 min
Lab File: VL035369.D
Acq: 7 Aug 2020 5:03

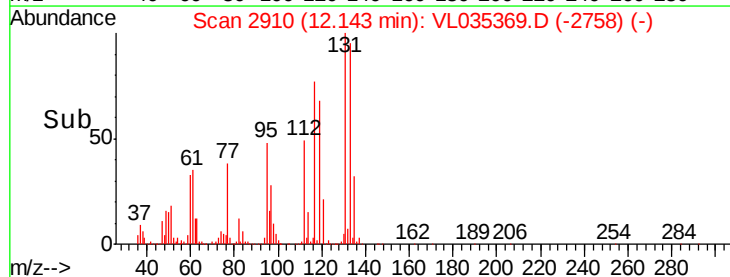
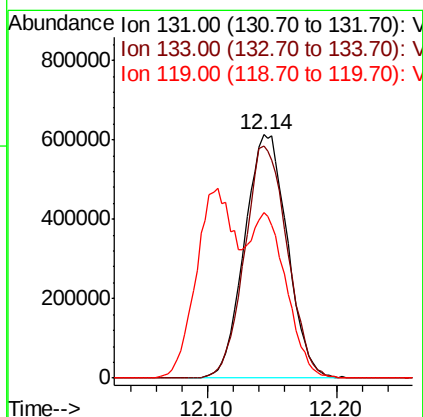
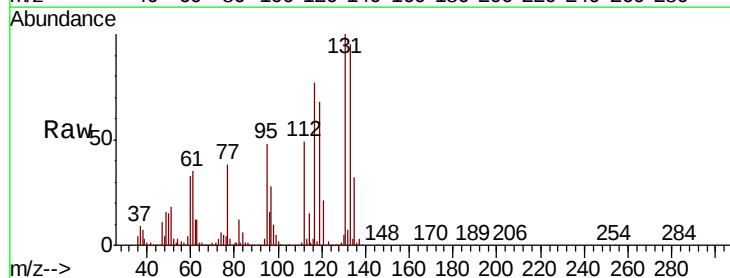
Instrument :
MSVOA_L
ClientSampleId :

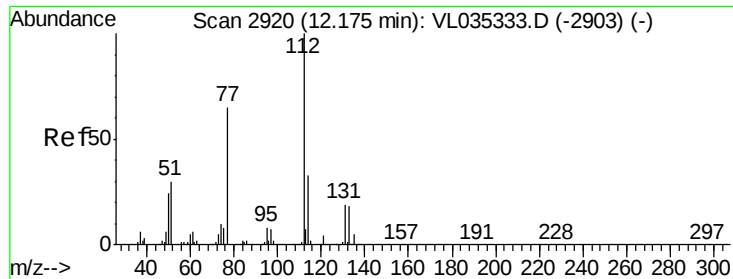
Tot Ion:117 Resp: 3227968
Ion Ratio Lower Upper
117 100
82 65.6 51.0 76.4
119 32.1 24.7 37.1



#56
1,1,1,2-Tetrachloroethane
Concen: 9.308 ppbv
RT: 12.14 min Scan# 2910
Delta R.T. -0.01 min
Lab File: VL035369.D
Acq: 7 Aug 2020 5:03

Tgt Ion:131 Resp: 1418312
Ion Ratio Lower Upper
131 100
133 95.1 75.4 113.2
119 59.0 43.7 65.5





#57

Chlorobenzene

Concen: 9.851 ppbv

RT: 12.17 min Scan# 2917

Delta R.T. -0.01 min

Lab File: VL035369.D

Acq: 7 Aug 2020 5:03

Instrument :

MSVOA_L

ClientSampleId :

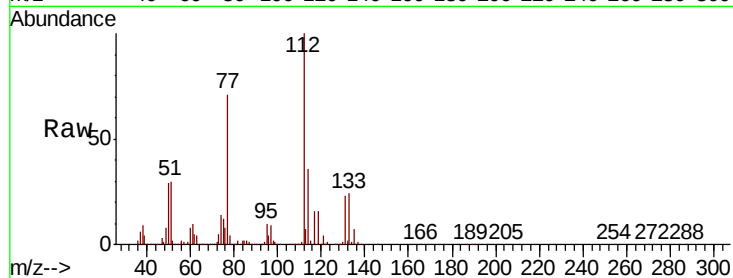
Tot Ion:112 Resp: 2394228

Ion Ratio Lower Upper

112 100

77 71.2 53.3 79.9

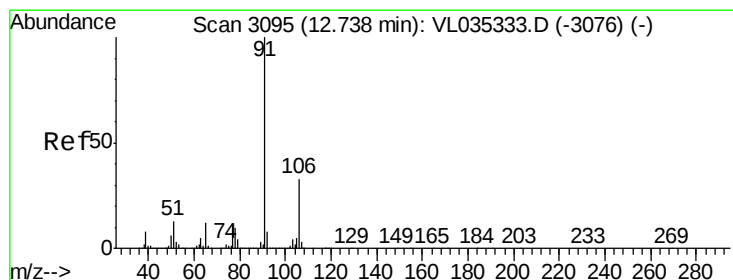
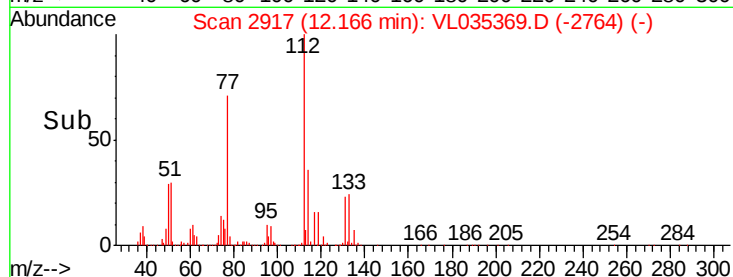
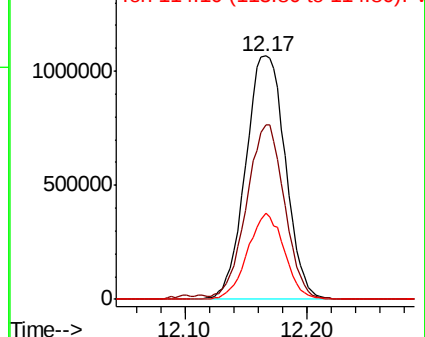
114 35.4 29.8 36.4



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: 11.733 ppbv

RT: 12.73 min Scan# 3092

Delta R.T. -0.01 min

Lab File: VL035369.D

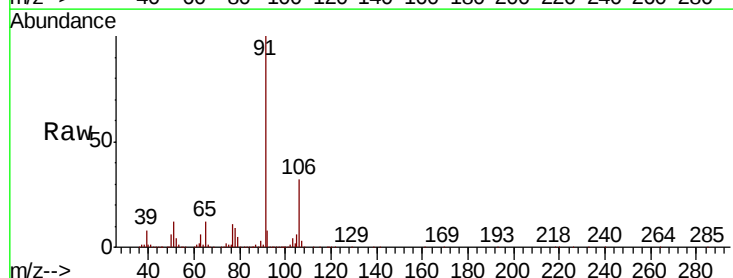
Acq: 7 Aug 2020 5:03

Tgt Ion: 91 Resp: 3940871

Ion Ratio Lower Upper

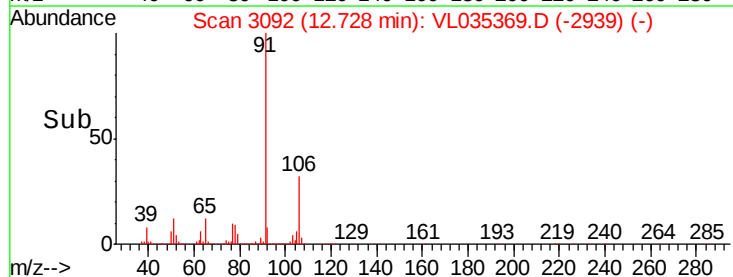
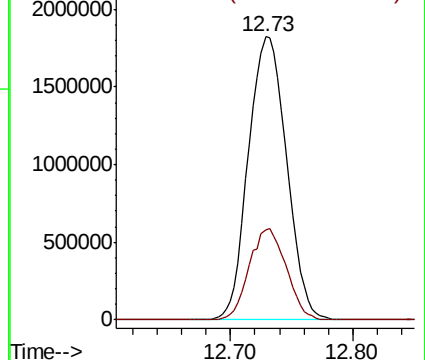
91 100

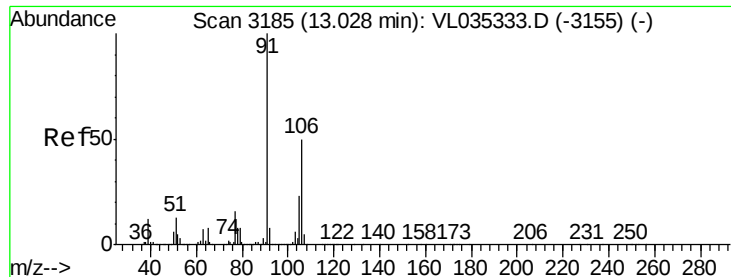
106 31.7 26.8 40.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

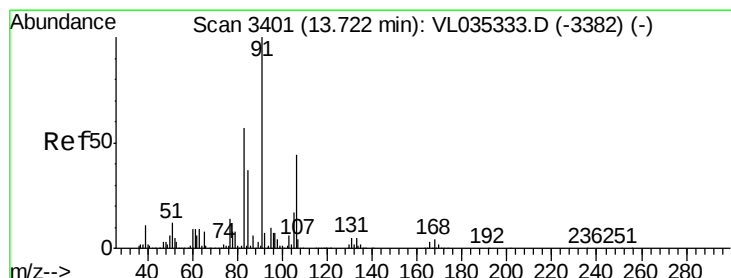
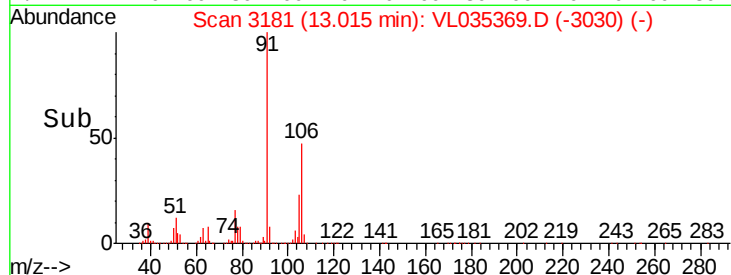
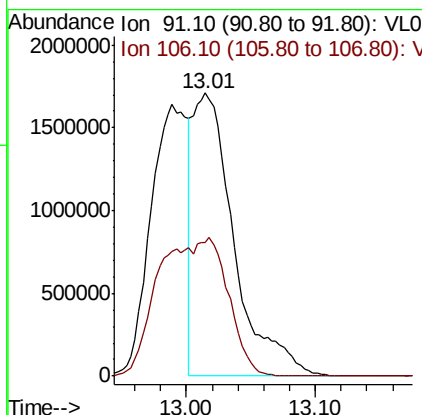
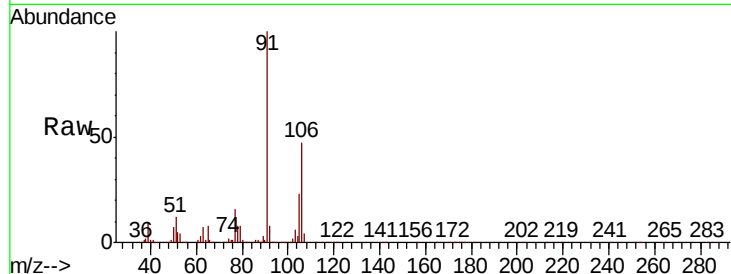




#59
m/p-Xylene
Concen: 12.075 ppbv
RT: 13.01 min Scan# 3181
Delta R.T. -0.01 min
Lab File: VL035369.D
Acq: 7 Aug 2020 5:03

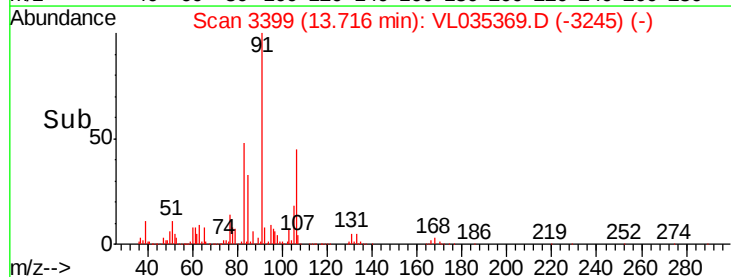
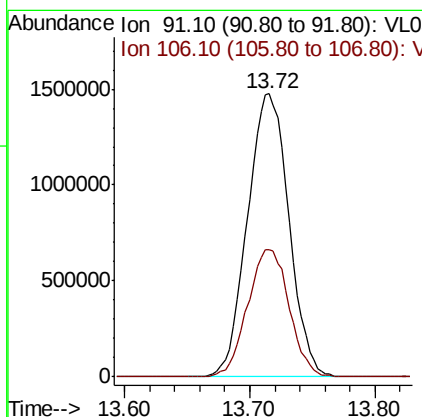
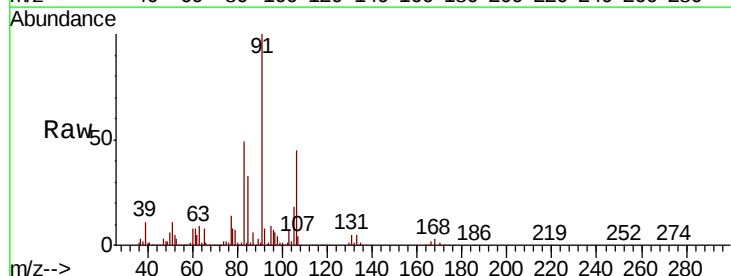
Instrument :
MSVOA_L
ClientSampleId :

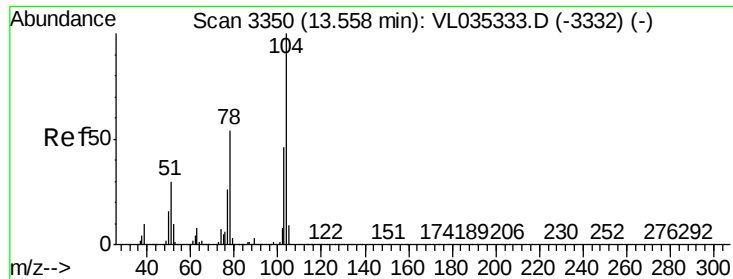
Tot Ion: 91 Resp: 3776733
Ion Ratio Lower Upper
91 100
106 83.2 37.8 56.8#



#60
o-Xylene
Concen: 10.922 ppbv
RT: 13.72 min Scan# 3399
Delta R.T. -0.01 min
Lab File: VL035369.D
Acq: 7 Aug 2020 5:03

Tgt Ion: 91 Resp: 3389749
Ion Ratio Lower Upper
91 100
106 44.9 22.7 68.0





#61

Stvrene

Concen: 10.493 ppbv

RT: 13.55 min Scan# 3348

Delta R.T. -0.01 min

Lab File: VL035369.D

Acq: 7 Aug 2020 5:03

Instrument :

MSVOA_L

ClientSampleId :

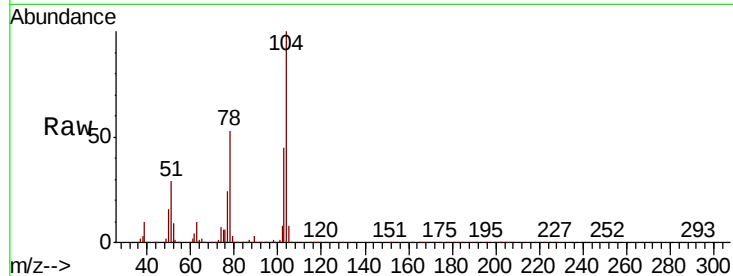
Tot Ion:104 Resp: 1988878

Ion Ratio Lower Upper

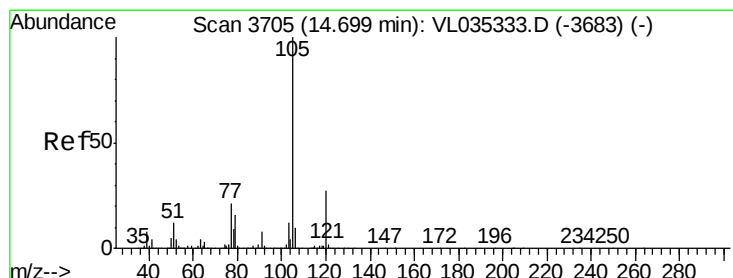
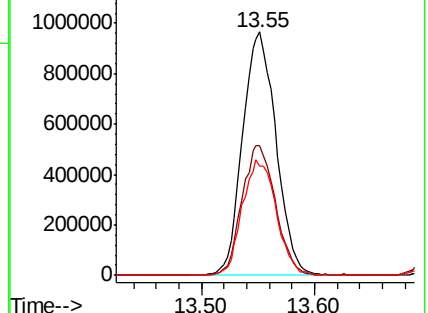
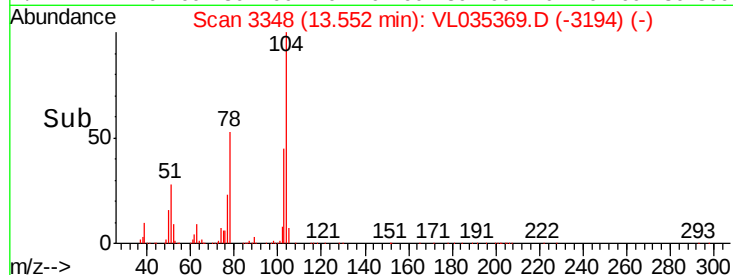
104 100

78 53.7 42.6 63.8

103 48.2 38.1 57.1



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: 10.352 ppbv

RT: 14.69 min Scan# 3702

Delta R.T. -0.01 min

Lab File: VL035369.D

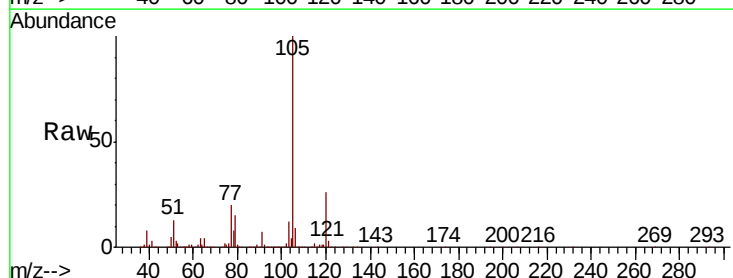
Acq: 7 Aug 2020 5:03

Tgt Ion:105 Resp: 4837825

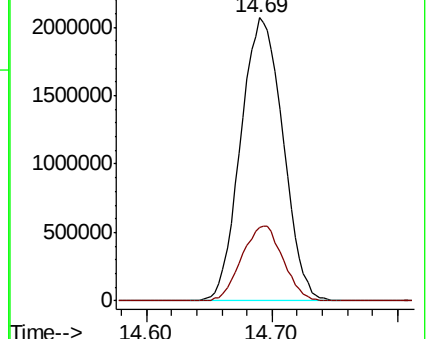
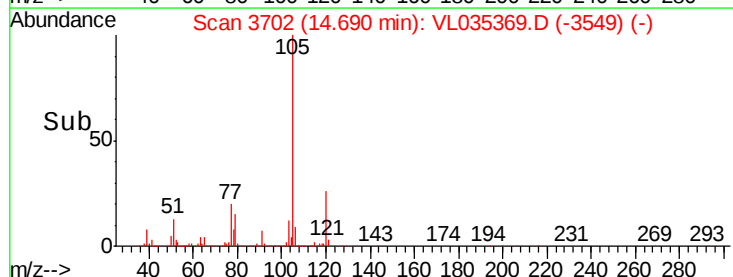
Ion Ratio Lower Upper

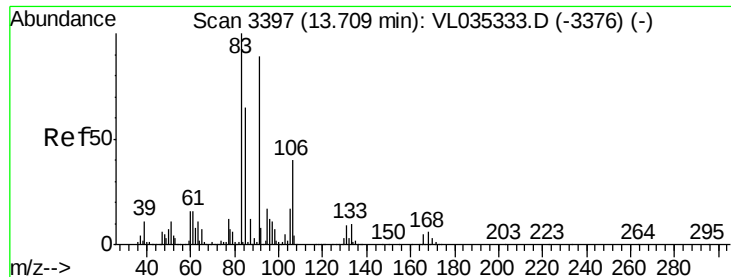
105 100

120 25.9 21.1 31.7



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V



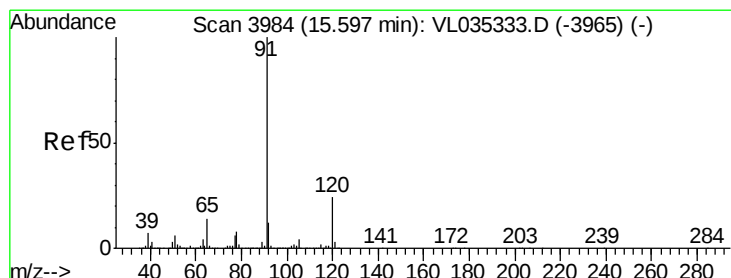
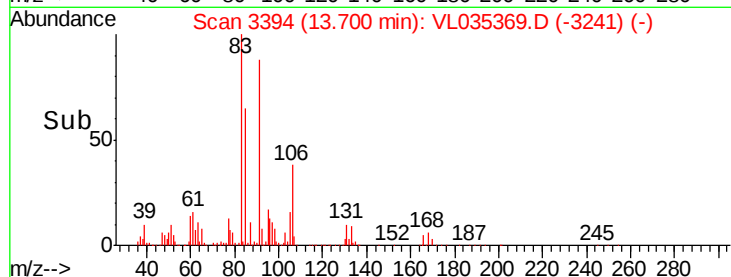
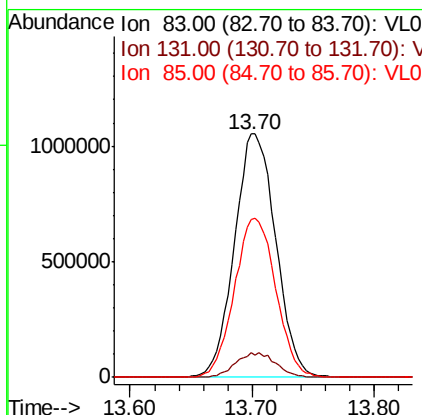
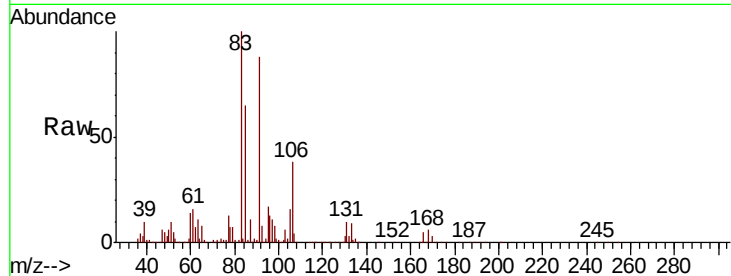


#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.312 ppbv
 RT: 13.70 min Scan# 3394
 Delta R.T. -0.01 min
 Lab File: VL035369.D
 Acq: 7 Aug 2020 5:03

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 83 Resp: 2465676

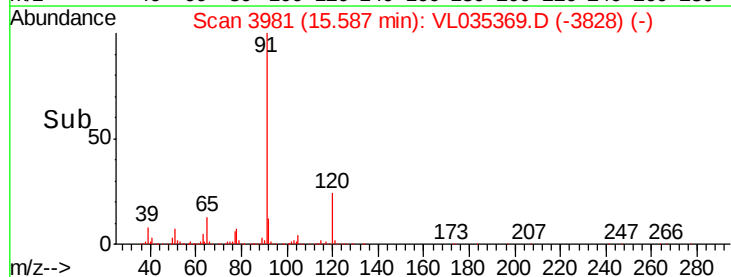
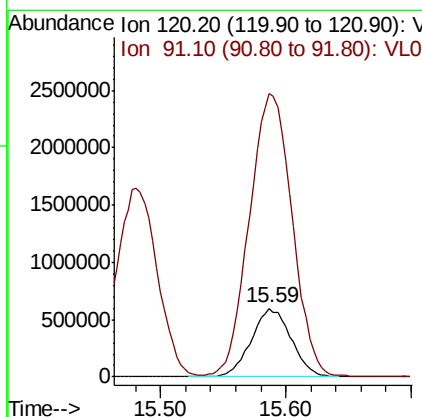
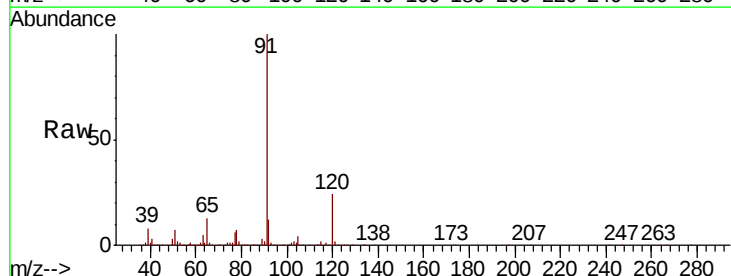
Ion	Ratio	Lower	Upper
83	100		
131	9.8	5.0	14.9
85	65.6	32.6	98.0

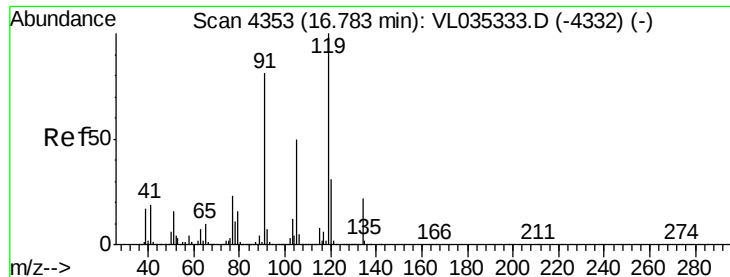


#64
 n-propylbenzene
 Concen: 10.506 ppbv
 RT: 15.59 min Scan# 3981
 Delta R.T. -0.01 min
 Lab File: VL035369.D
 Acq: 7 Aug 2020 5:03

Tgt Ion:120 Resp: 1319394

Ion	Ratio	Lower	Upper
120	100		
91	445.3	357.2	535.8

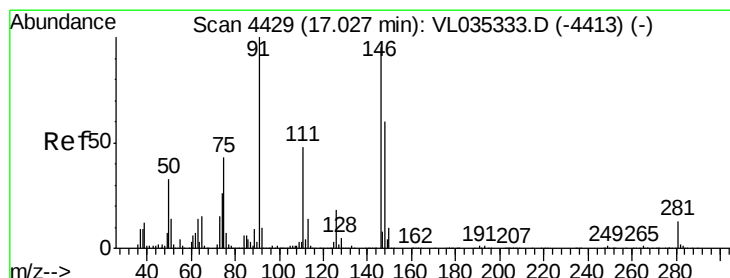
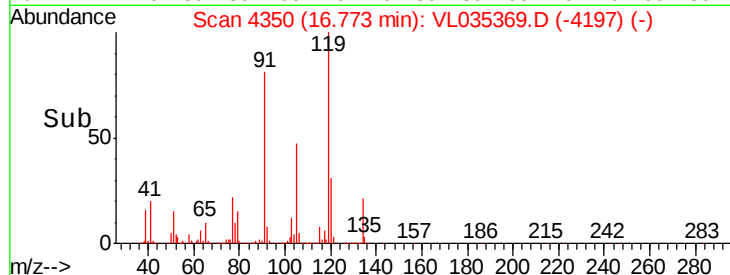
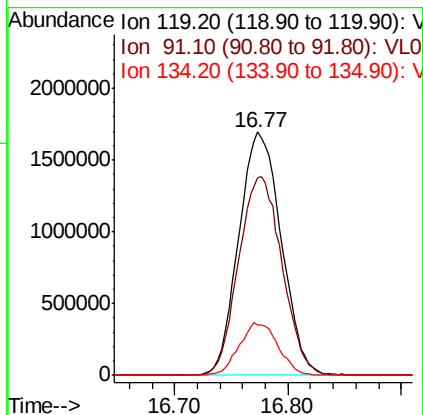
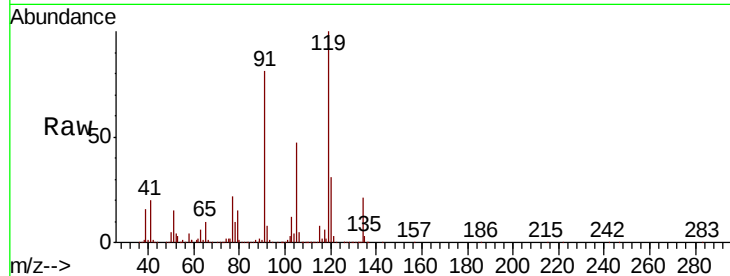




#65
 tert-Butylbenzene
 Concen: 10.359 ppbv
 RT: 16.77 min Scan# 4350
 Delta R.T. -0.01 min
 Lab File: VL035369.D
 Acq: 7 Aug 2020 5:03

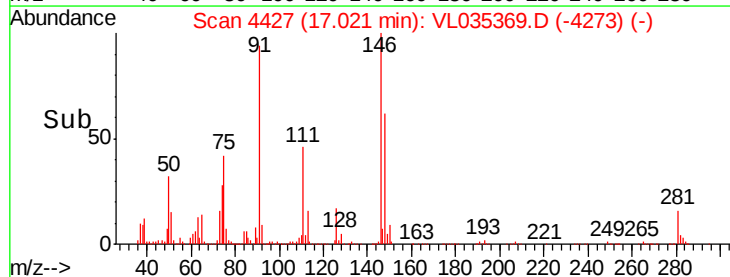
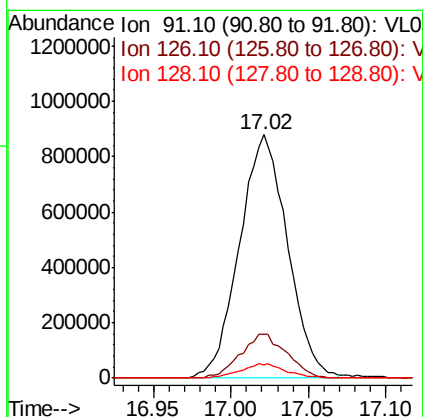
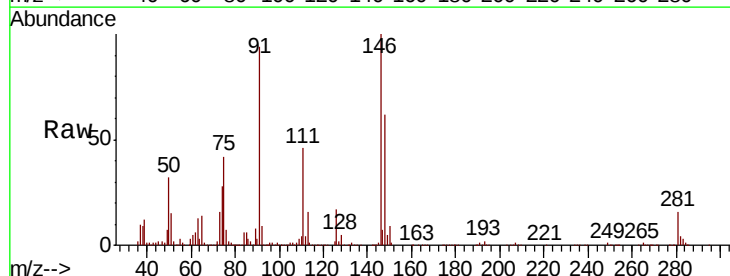
Instrument :
 MSVOA_L
 ClientSampled :

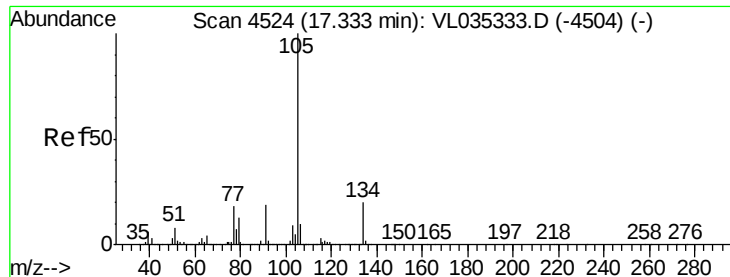
Tot Ion:119 Resp: 4433099
 Ion Ratio Lower Upper
 119 100
 91 83.3 66.3 99.5
 134 19.8 16.2 24.2



#66
 Benzyl Chloride
 Concen: 11.118 ppbv
 RT: 17.02 min Scan# 4427
 Delta R.T. -0.01 min
 Lab File: VL035369.D
 Acq: 7 Aug 2020 5:03

Tgt Ion: 91 Resp: 1883089
 Ion Ratio Lower Upper
 91 100
 126 17.7 14.1 21.1
 128 5.6 4.5 6.7





#67

sec-Butylbenzene

Concen: 10.123 ppbv

RT: 17.32 min Scan# 4521

Delta R.T. -0.01 min

Lab File: VL035369.D

Acq: 7 Aug 2020 5:03

Instrument :

MSVOA_L

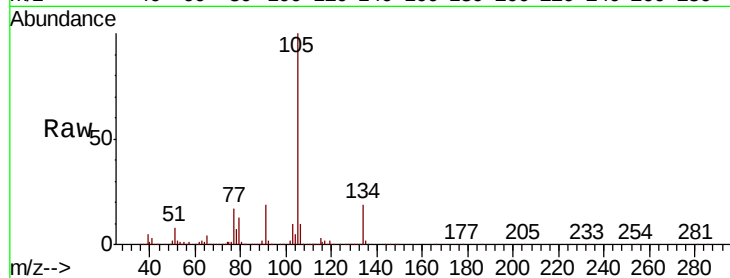
ClientSampled :

Tot Ion:105 Resp: 6127395

Ion Ratio Lower Upper

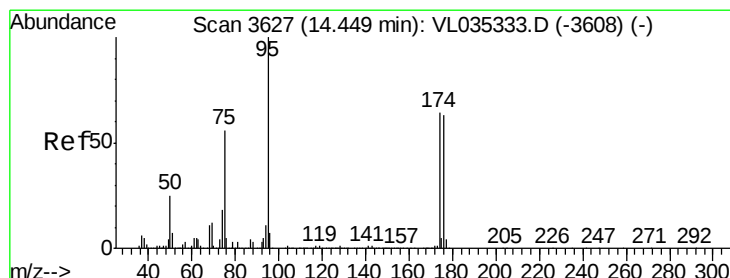
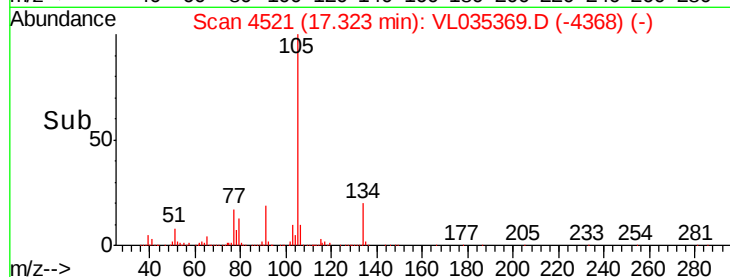
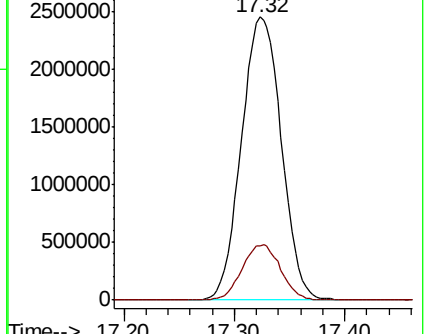
105 100

134 19.0 15.4 23.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.919 ppbv

RT: 14.45 min Scan# 3626

Delta R.T. -0.00 min

Lab File: VL035369.D

Acq: 7 Aug 2020 5:03

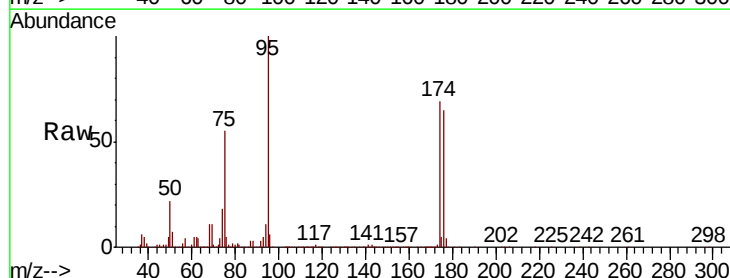
Tgt Ion: 95 Resp: 2670061

Ion Ratio Lower Upper

95 100

174 67.3 53.5 80.3

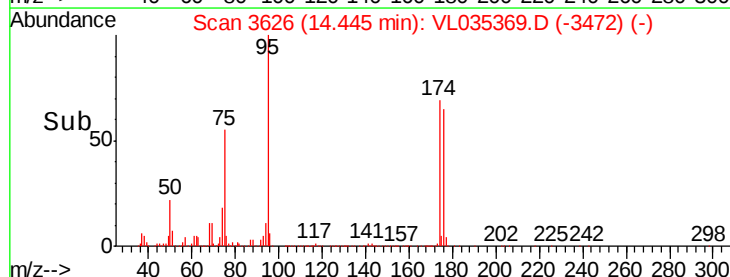
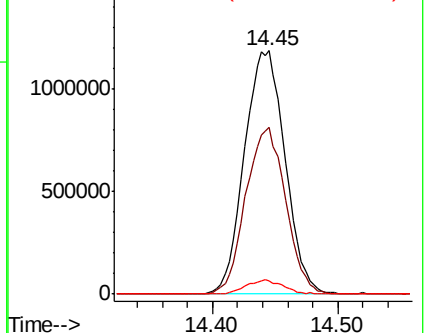
175 5.4 4.2 6.2

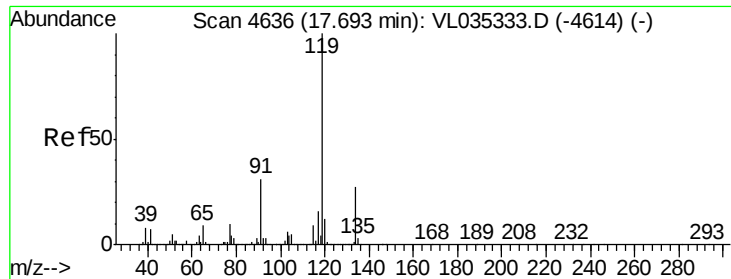


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

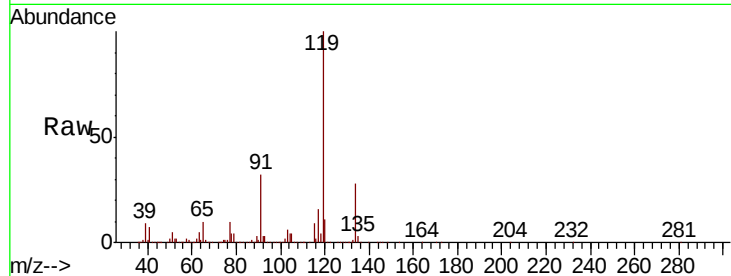




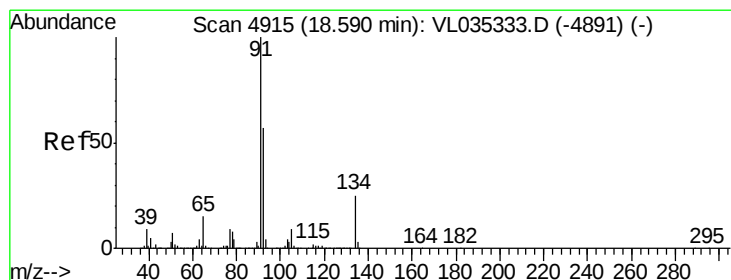
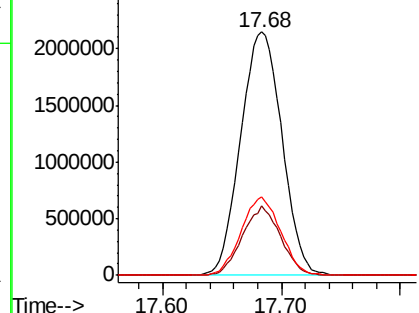
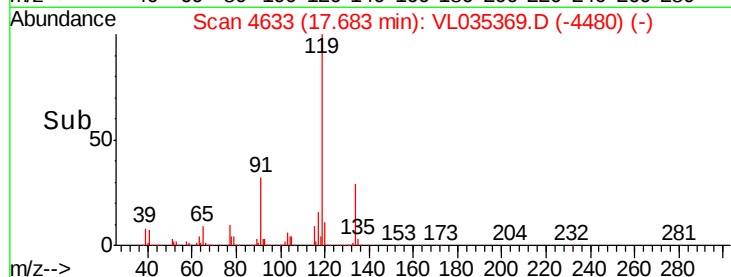
#69
 p-Isopropyltoluene
 Concen: 10.438 ppbv
 RT: 17.68 min Scan# 4633
 Delta R.T. -0.01 min
 Lab File: VL035369.D
 Acq: 7 Aug 2020 5:03

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion:119 Resp: 5151056
 Ion Ratio Lower Upper
 119 100
 134 26.4 21.1 31.7
 91 30.9 24.5 36.7

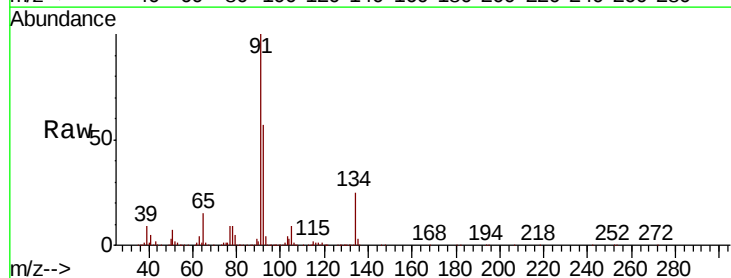


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

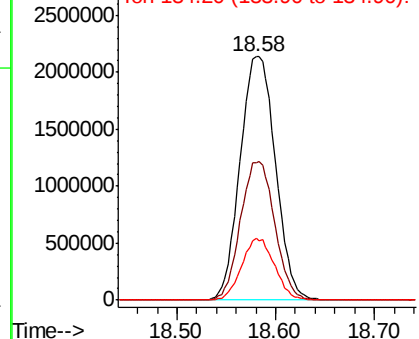
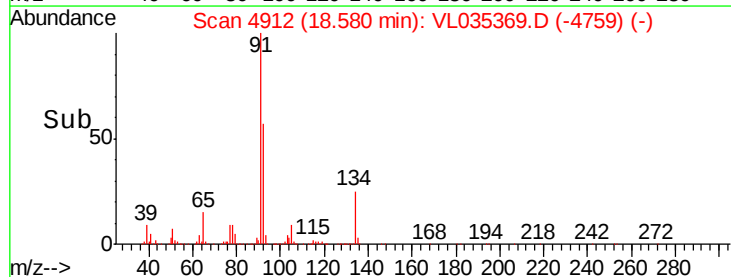


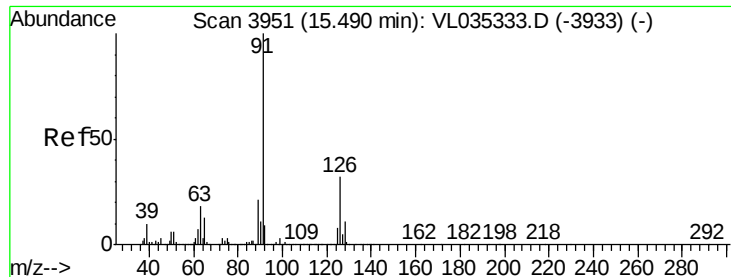
#70
 n-Butylbenzene
 Concen: 10.057 ppbv
 RT: 18.58 min Scan# 4912
 Delta R.T. -0.01 min
 Lab File: VL035369.D
 Acq: 7 Aug 2020 5:03

Tgt Ion: 91 Resp: 5308511
 Ion Ratio Lower Upper
 91 100
 92 55.0 44.2 66.2
 134 23.5 19.0 28.6



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 10.912 ppbv

RT: 15.48 min Scan# 3948

Delta R.T. -0.01 min

Lab File: VL035369.D

Acq: 7 Aug 2020 5:03

Instrument :

MSVOA_L

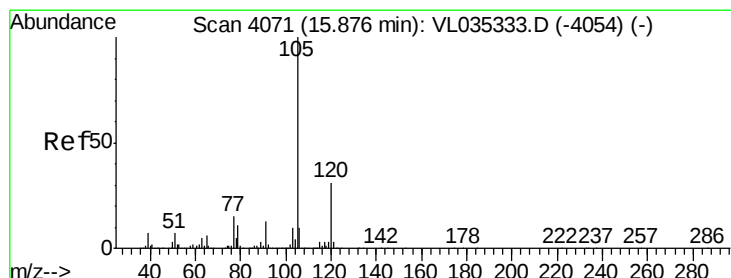
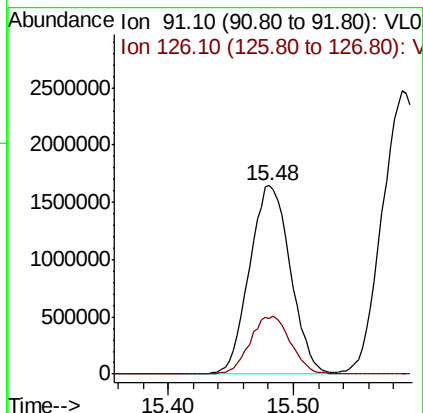
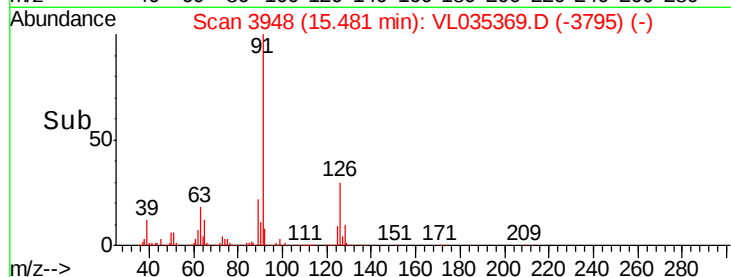
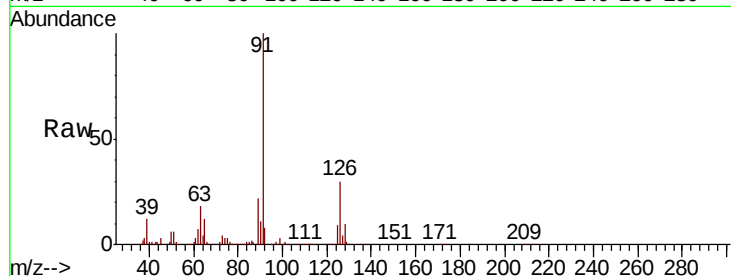
ClientSampled :

Tot Ion: 91 Resp: 3735596

Ion Ratio Lower Upper

91 100

126 30.5 12.5 50.1



#72

4-Ethyltoluene

Concen: 11.382 ppbv

RT: 15.87 min Scan# 4068

Delta R.T. -0.01 min

Lab File: VL035369.D

Acq: 7 Aug 2020 5:03

Tgt Ion:105 Resp: 4027744

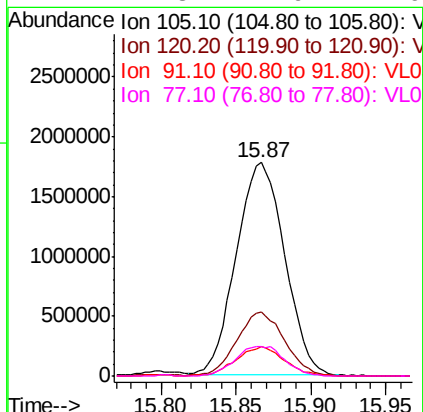
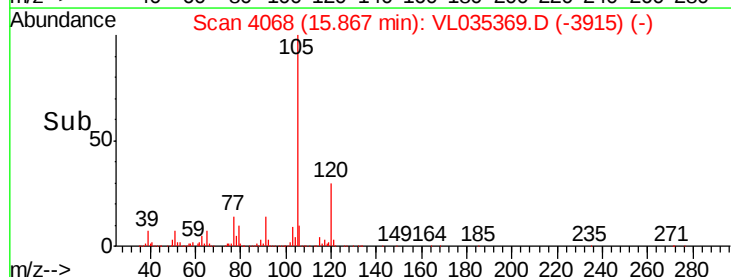
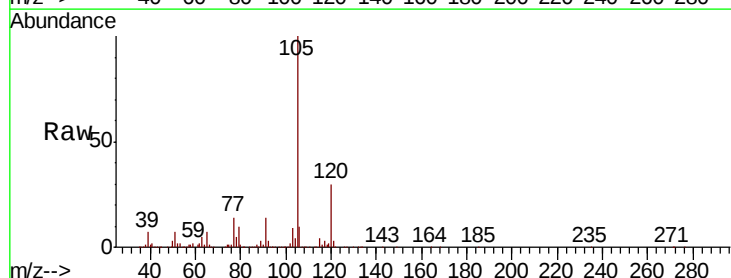
Ion Ratio Lower Upper

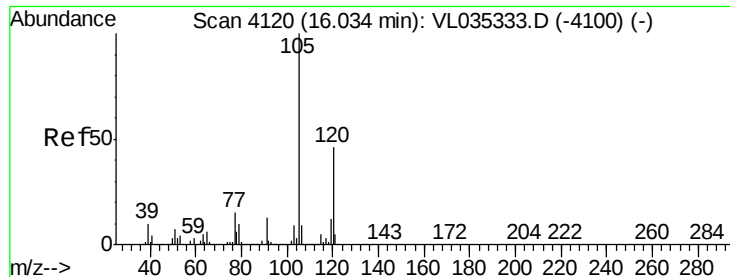
105 100

120 29.4 24.0 36.0

91 13.5 10.8 16.2

77 14.3 11.9 17.9





#73

1,3,5-Trimethylbenzene

Concen: 11.175 ppbv

RT: 16.03 min Scan# 4118

Delta R.T. -0.01 min

Lab File: VL035369.D

Acq: 7 Aug 2020 5:03

Instrument :

MSVOA_L

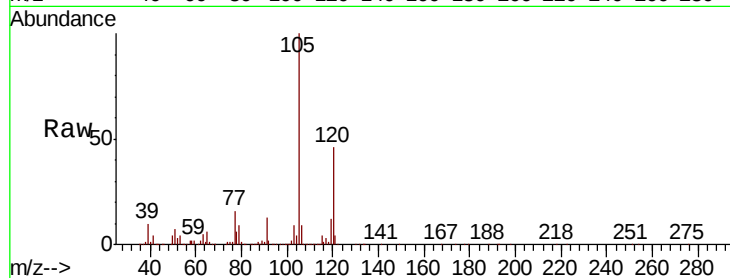
ClientSampleId :

Tot Ion:105 Resp: 3794384

Ion Ratio Lower Upper

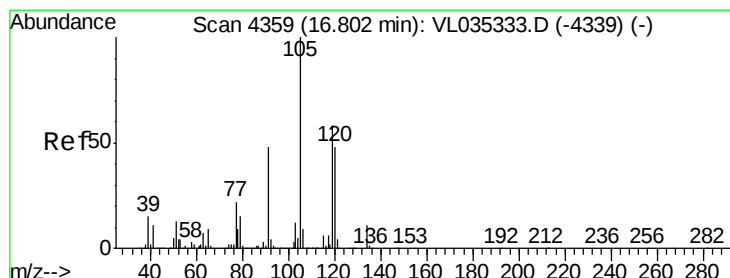
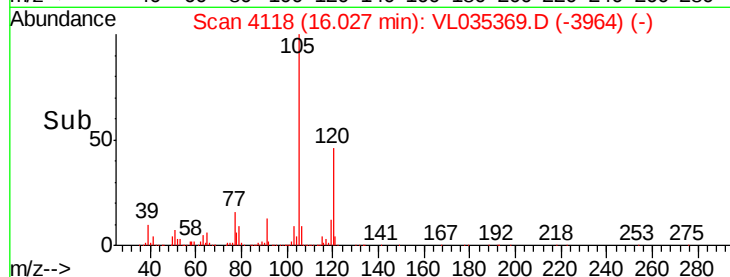
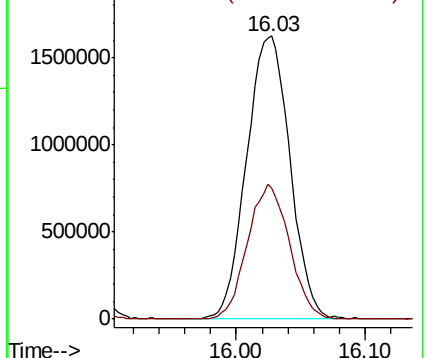
105 100

120 46.3 36.9 55.3



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 10.466 ppbv

RT: 16.79 min Scan# 4355

Delta R.T. -0.01 min

Lab File: VL035369.D

Acq: 7 Aug 2020 5:03

Tgt Ion:105 Resp: 4061548

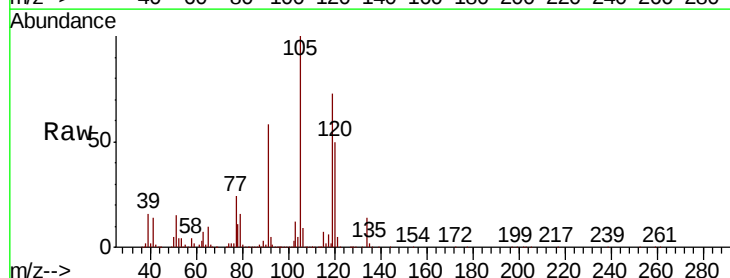
Ion Ratio Lower Upper

105 100

120 49.4 38.5 57.7

91 57.8 39.0 58.6

77 24.2 17.8 26.6

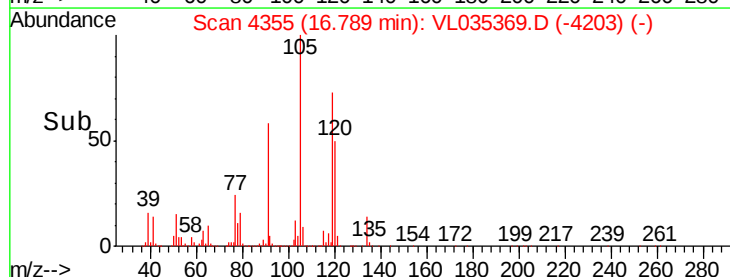
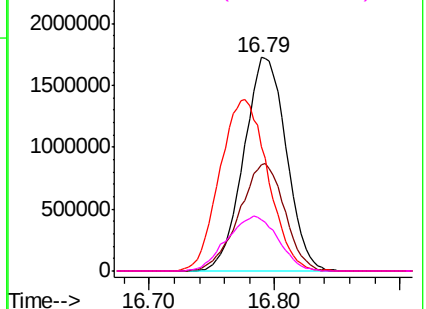


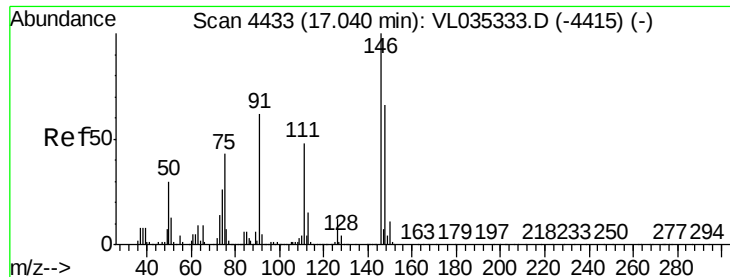
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 9.552 ppbv

RT: 17.03 min Scan# 4430

Delta R.T. -0.01 min

Lab File: VL035369.D

Acq: 7 Aug 2020 5:03

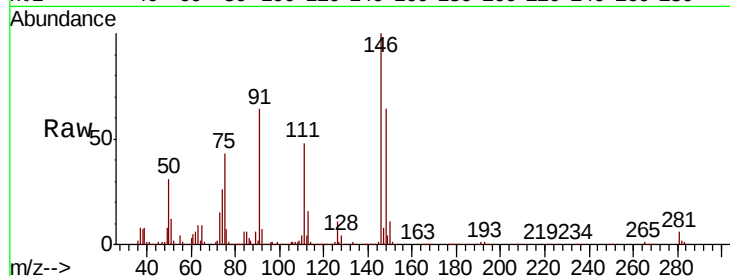
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:146 Resp: 2425106

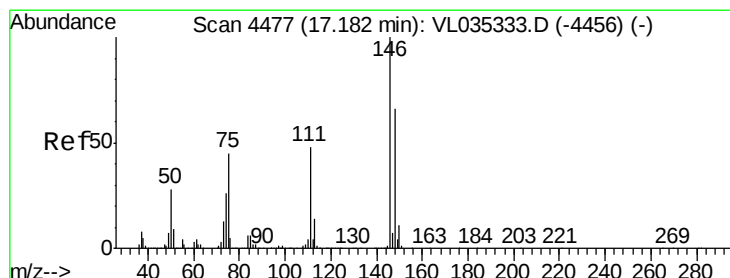
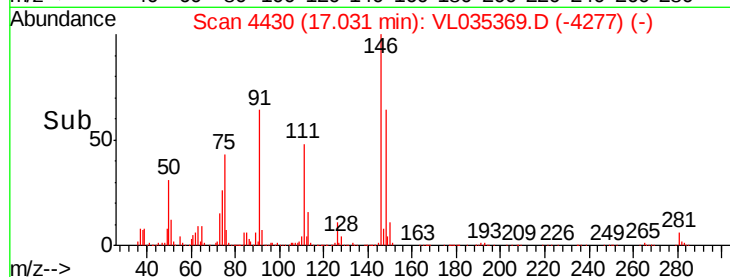
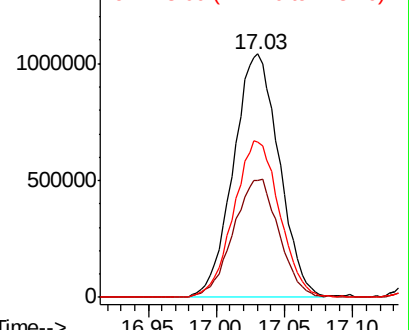
Ion	Ratio	Lower	Upper
146	100		
111	48.5	24.2	72.6
148	64.4	32.6	98.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 10.185 ppbv

RT: 17.18 min Scan# 4475

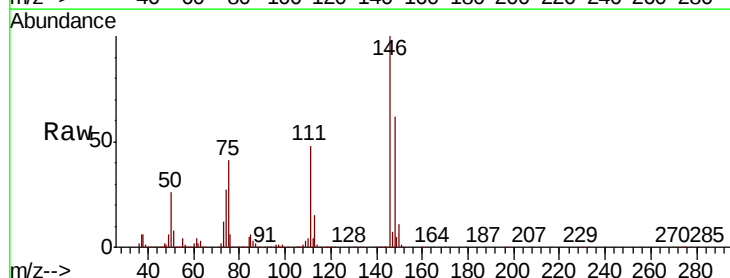
Delta R.T. -0.01 min

Lab File: VL035369.D

Acq: 7 Aug 2020 5:03

Tgt Ion:146 Resp: 2394550

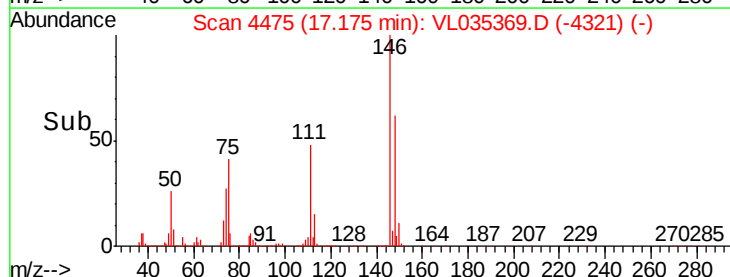
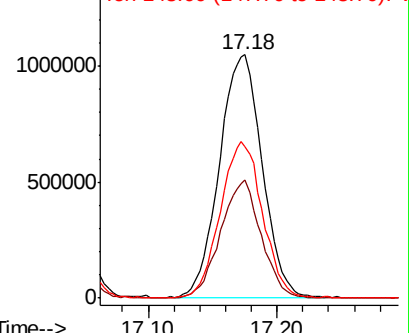
Ion	Ratio	Lower	Upper
146	100		
111	46.7	23.3	69.9
148	64.5	32.1	96.5

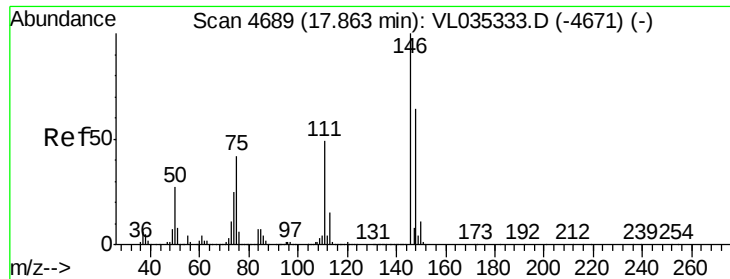


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

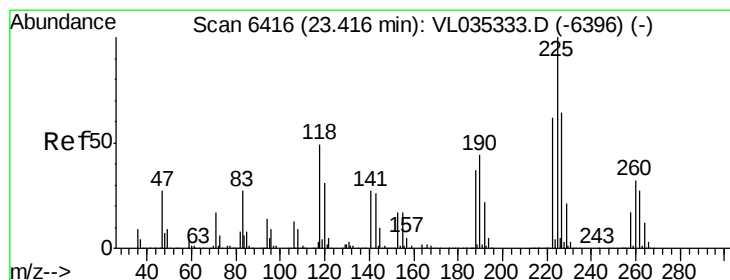
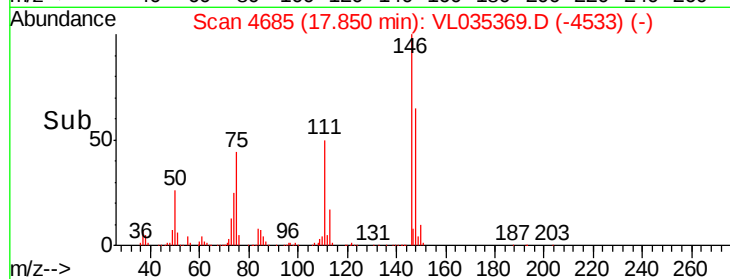
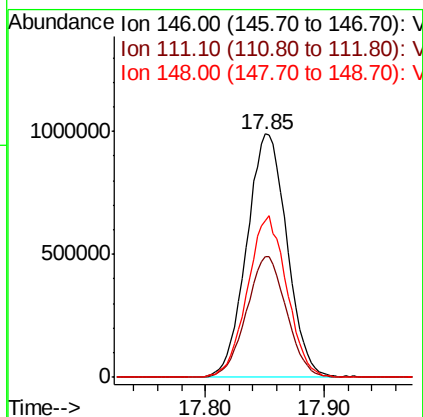
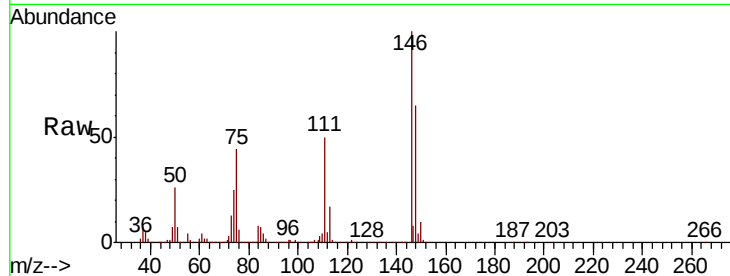




#77
 1,2-Dichlorobenzene
 Concen: 9.896 ppbv
 RT: 17.85 min Scan# 4685
 Delta R.T. -0.01 min
 Lab File: VL035369.D
 Acq: 7 Aug 2020 5:03

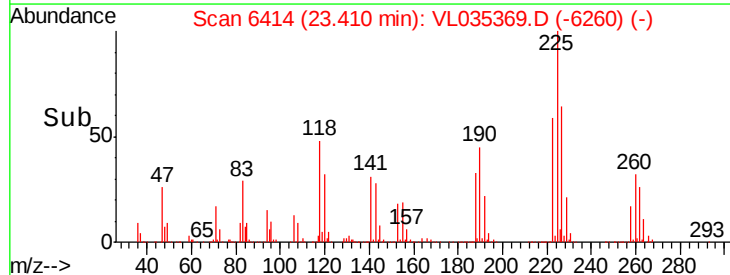
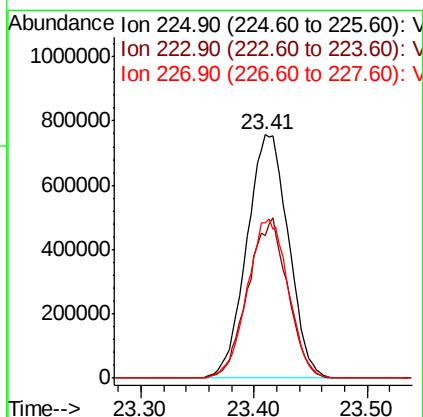
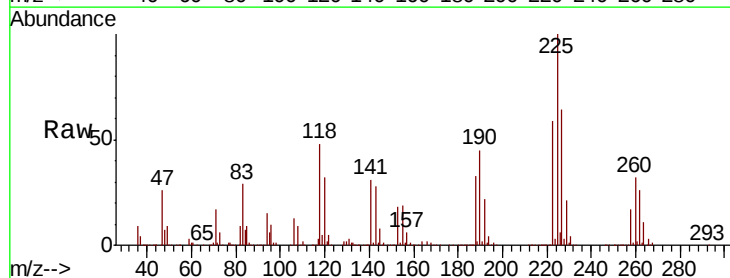
Instrument :
 MSVOA_L
 ClientSampleId :

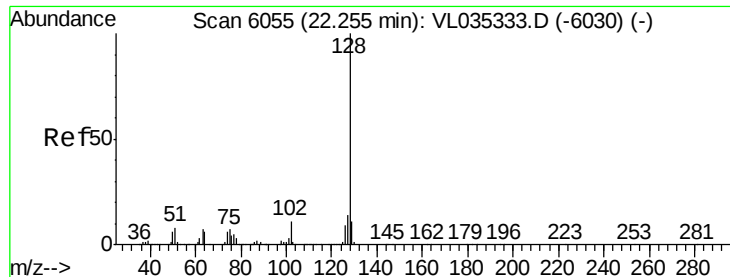
Tot Ion:146 Resp: 2318674
 Ion Ratio Lower Upper
 146 100
 111 49.4 24.9 74.7
 148 65.0 31.9 95.9



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.715 ppbv
 RT: 23.41 min Scan# 6414
 Delta R.T. -0.01 min
 Lab File: VL035369.D
 Acq: 7 Aug 2020 5:03

Tgt Ion:225 Resp: 1936697
 Ion Ratio Lower Upper
 225 100
 223 62.6 50.3 75.5
 227 64.3 52.7 79.1





#79

Naphthalene

Concen: 12.799 ppbv

RT: 22.25 min Scan# 6053

Delta R.T. -0.01 min

Lab File: VL035369.D

Acq: 7 Aug 2020 5:03

Instrument :

MSVOA_L

ClientSampleId :

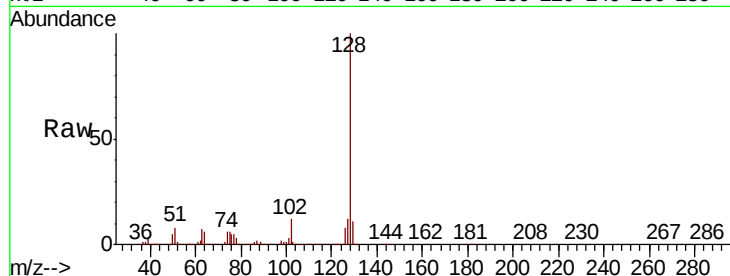
Tot Ion:128 Resp: 3820566

Ion Ratio Lower Upper

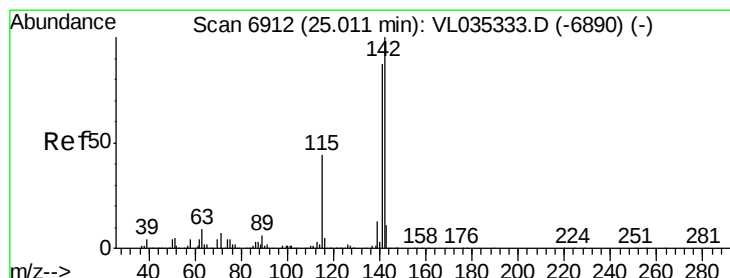
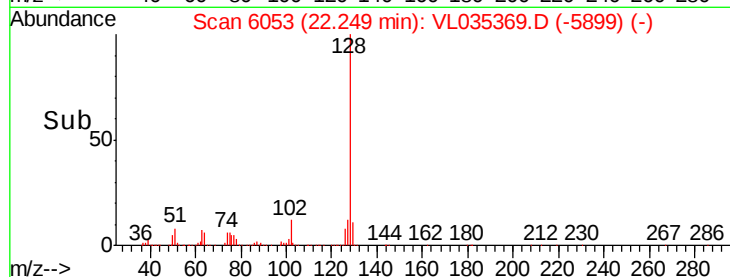
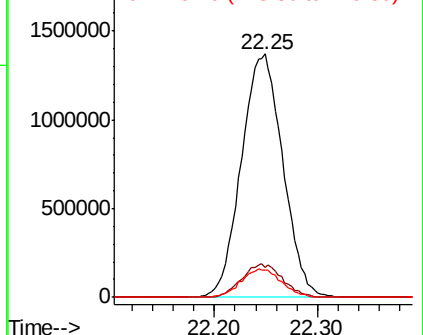
128 100

127 12.5 11.1 16.7

129 11.1 8.7 13.1



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: 23.941 ppbv

RT: 25.00 min Scan# 6910

Delta R.T. -0.01 min

Lab File: VL035369.D

Acq: 7 Aug 2020 5:03

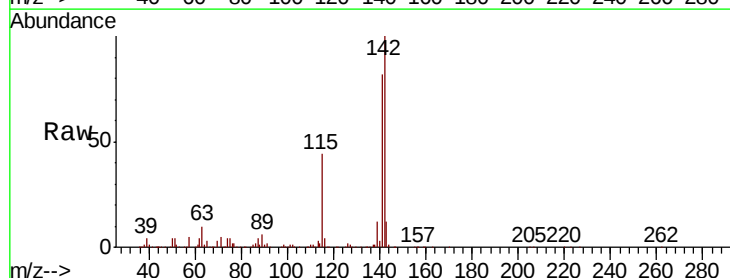
Tgt Ion:142 Resp: 1625603

Ion Ratio Lower Upper

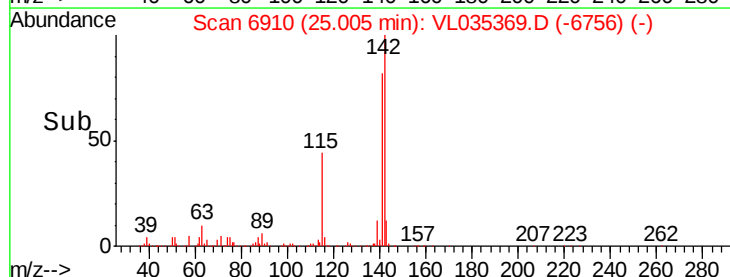
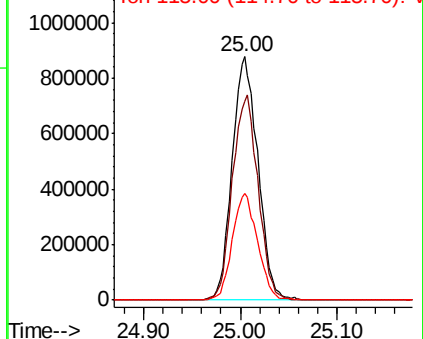
142 100

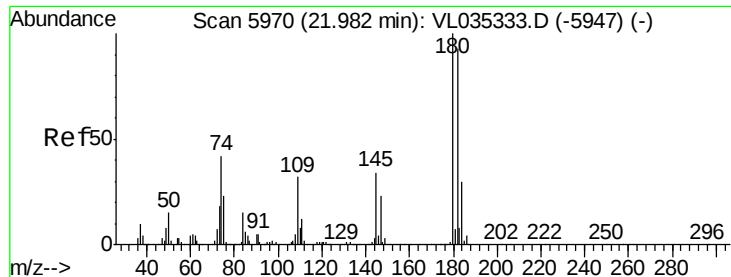
141 84.0 69.0 103.6

115 43.1 35.5 53.3



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

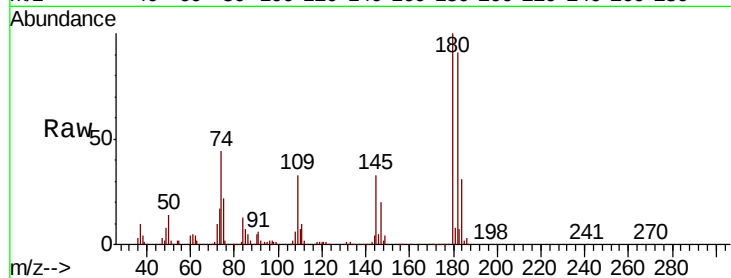




#81
 1,2,4-Trichlorobenzene
 Concen: 11.508 ppbv
 RT: 21.98 min Scan# 5968
 Delta R.T. -0.01 min
 Lab File: VL035369.D
 Acq: 7 Aug 2020 5:03

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 2164872
 Ion Ratio Lower Upper
 180 100
 182 96.1 77.2 115.8
 184 31.1 25.1 37.7



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

