

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081020\
 Data File : VL035371.D
 Acq On : 10 Aug 2020 9:56
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Aug 11 04:14:27 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	1344042	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3294445	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3323040	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	2718144	9.81	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.10%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.00	85	1426221	7.978	ppbv 98
3) Chlorodifluoromethane	2.94	51	1423365	9.277	ppbv 100
4) Chloromethane	3.09	50	798642	9.194	ppbv 99
5) Vinyl Chloride	3.21	62	813696	9.107	ppbv 94
6) Bromomethane	3.43	94	535811	9.789	ppbv 92
7) Chloroethane	3.51	64	313415	9.445	ppbv 100
8) Dichlorotetrafluoroethane	3.14	85	1978815	9.365	ppbv 98
9) Propene	2.96	41	535993	9.804	ppbv 99
10) Heptane	8.13	43	1586088	11.358	ppbv 100
11) Trichlorofluoromethane	3.91	101	2171971	9.377	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.45	101	1568543	9.475	ppbv 97
13) Ethanol	3.56	45	76947	4.081	ppbv # 51
14) Bromoethene	3.70	108	652097	9.823	ppbv 99
15) Acetone	3.81	43	1618274	8.479	ppbv 100
16) 1,3-Butadiene	3.28	39	751782	10.233	ppbv 97
17) tert-Butyl alcohol	4.25	59	1792424	10.232	ppbv 100
18) 1,1-Dichloroethene	4.26	96	702435	9.881	ppbv 90
19) Isopropyl Alcohol	3.93	45	1153722	9.536	ppbv 99
20) Methylene Chloride	4.31	84	628559	8.076	ppbv 96
21) Allyl Chloride	4.38	41	1106927	10.122	ppbv 99
22) trans-1,2-Dichloroethene	4.86	96	676524	9.815	ppbv 98
23) Vinyl Acetate	5.05	43	1964490	10.734	ppbv 99
24) 1,1-Dichloroethane	4.99	63	1653761	9.615	ppbv 98
25) Ethyl Acetate	5.66	43	2898615	9.995	ppbv 99
26) Hexane	5.67	57	1269185	10.089	ppbv 97
27) Carbon Disulfide	4.52	76	1834198	10.427	ppbv 98
28) Methyl tert-Butyl Ether	5.01	73	1972029	10.782	ppbv 100
29) Chloroform	5.74	83	2090264	9.638	ppbv 100
30) Cyclohexane	7.12	84	1085783	11.383	ppbv 99
31) cis-1,2-Dichloroethene	5.53	61	1253490	11.209	ppbv 98
32) 1,1,1-Trichloroethane	6.50	97	2085417	9.149	ppbv 100
34) 2-Butanone	5.22	43	1728579	10.656	ppbv 100
35) Carbon Tetrachloride	7.01	117	2238368	9.873	ppbv 97
36) Benzene	6.89	78	2483186	11.163	ppbv 98
37) 1,2-Dichloroethane	6.30	62	1635759	10.525	ppbv 100
38) Trichloroethene	7.84	130	1102653	10.745	ppbv 97
39) 1,2-Dichloropropane	7.61	63	966380	10.731	ppbv 98
40) 1,4-Dioxane	7.83	88	399328	10.354	ppbv 89
41) Tetrahydrofuran	6.03	42	920543	11.564	ppbv 99
42) Bromodichloromethane	7.80	83	2258941	10.824	ppbv 97
43) Methyl Methacrylate	8.02	69	1146942	12.255	ppbv 100

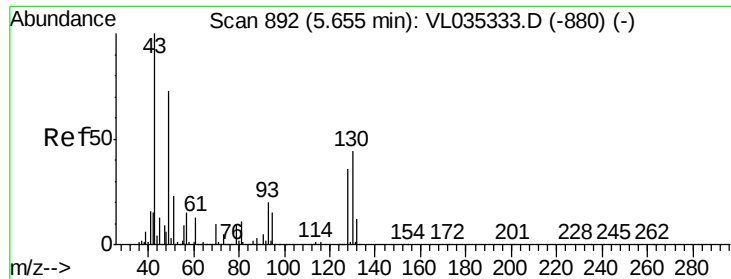
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081020\
 Data File : VL035371.D
 Acq On : 10 Aug 2020 9:56
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 05 13:04:46 2020
 QLast Update : Wed Aug 05 13:04:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4382618	11.089	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1290539	13.293	ppbv	96
46) cis-1,3-Dichloropropene	8.71	75	1507566	12.858	ppbv	98
47) 1,1,2-Trichloroethane	9.49	97	1110187	10.253	ppbv	98
48) Dibromochloromethane	10.32	129	1984444	11.188	ppbv	100
49) Bromoform	13.07	173	1833352	11.343	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2771849	11.192	ppbv	99
51) 2-Hexanone	10.14	43	2269218	11.687	ppbv #	99
52) Tetrachloroethene	11.24	164	963913	10.929	ppbv	96
53) Toluene	9.82	91	3024850	12.499	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1739596	11.198	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.15	131	1532207	9.768	ppbv	95
57) Chlorobenzene	12.17	112	2500435	9.993	ppbv	98
58) Ethyl Benzene	12.73	91	4144948	11.987	ppbv	100
59) m/p-Xylene	13.02	91	3902294	12.120	ppbv #	44
60) o-Xylene	13.72	91	3569128	11.171	ppbv	99
61) Styrene	13.55	104	2528201	12.956	ppbv	99
62) Isopropylbenzene	14.70	105	5314866	11.048	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.71	83	2582036	9.473	ppbv	99
64) n-propylbenzene	15.59	120	1460432	11.296	ppbv	98
65) tert-Butylbenzene	16.78	119	4862399	11.037	ppbv	99
66) Benzyl Chloride	17.02	91	2060402	11.817	ppbv	99
67) sec-Butylbenzene	17.33	105	6775063	10.873	ppbv	99
69) p-Isopropyltoluene	17.69	119	5790203	11.398	ppbv	99
70) n-Butylbenzene	18.59	91	5983371	11.011	ppbv	100
71) 2-Chlorotoluene	15.49	91	4103193	11.643	ppbv	99
72) 4-Ethyltoluene	15.87	105	4295153	11.791	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	4056388	11.604	ppbv	98
74) 1,2,4-Trimethylbenzene	16.80	105	4325017	10.826	ppbv	95
75) 1,3-Dichlorobenzene	17.04	146	2563935	9.810	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	2570550	10.620	ppbv	100
77) 1,2-Dichlorobenzene	17.85	146	2496694	10.351	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	2048174	9.981	ppbv	99
79) Naphthalene	22.25	128	4120983	13.411	ppbv	99
80) Naphthalene, 2-methyl-	25.01	142	1592151	22.777	ppbv	98
81) 1,2,4-Trichlorobenzene	21.98	180	2308049	11.918	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.00 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

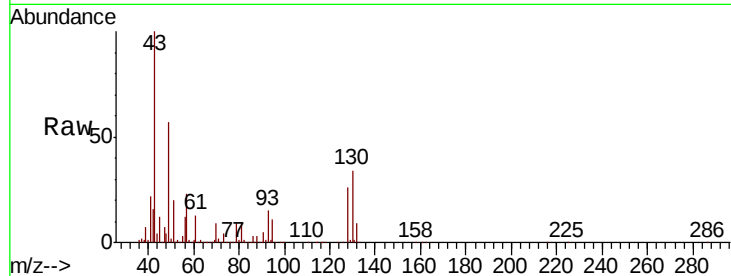
Tot Ion: 49 Resp: 1344042

Ion	Ratio	Lower	Upper
49	100		
128	49.2	25.4	76.0
130	64.2	32.1	96.3

49 100

128 49.2 25.4 76.0

130 64.2 32.1 96.3



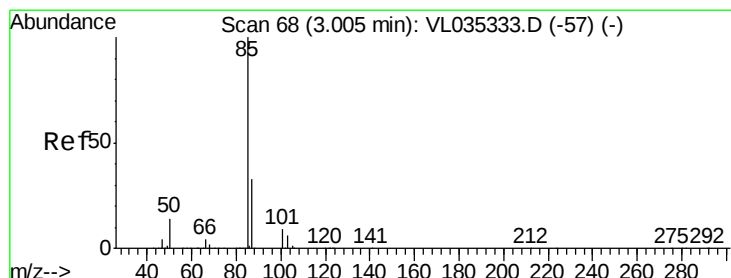
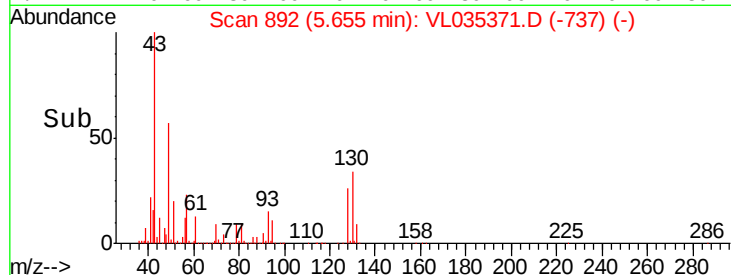
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

5.65

Time-->



#2

Dichlorodifluoromethane

Concen: 7.978 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL035371.D

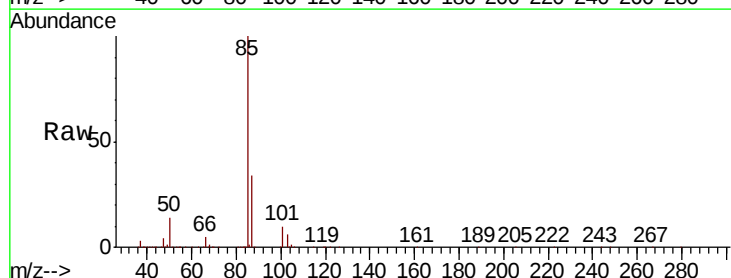
Acq: 10 Aug 2020 9:56

Tgt Ion: 85 Resp: 1426221

Ion	Ratio	Lower	Upper
85	100		
87	34.4	26.7	40.1

85 100

87 34.4 26.7 40.1

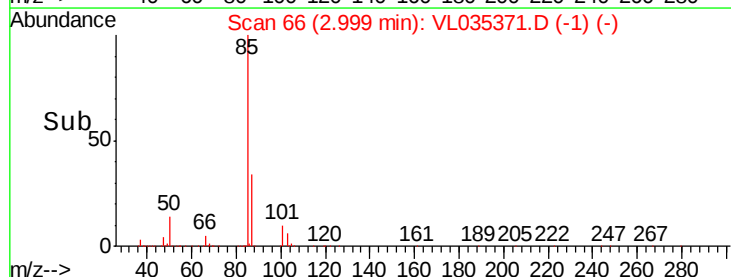


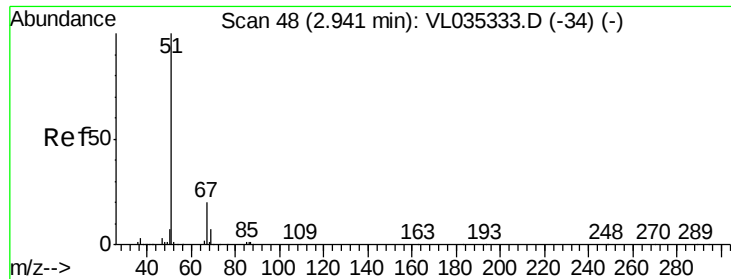
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.00

Time-->





#3

Chlorodifluoromethane

Concen: 9.277 ppbv

RT: 2.94 min Scan# 47

Delta R.T. -0.00 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

Instrument :

MSVOA_L

ClientSampleId :

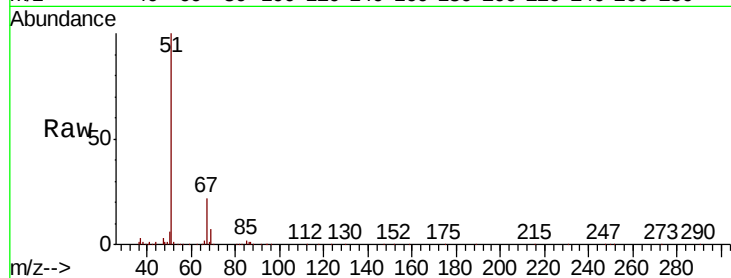
VSTDCCC010

Tot Ion: 51 Resp: 1423365

Ion Ratio Lower Upper

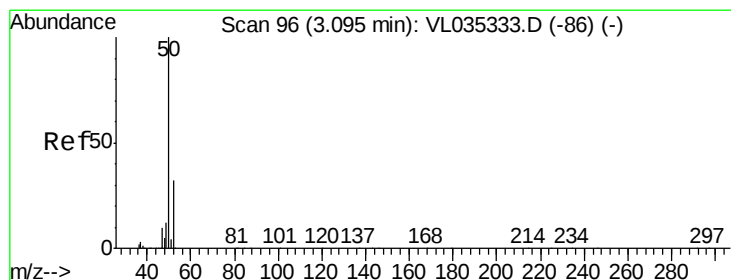
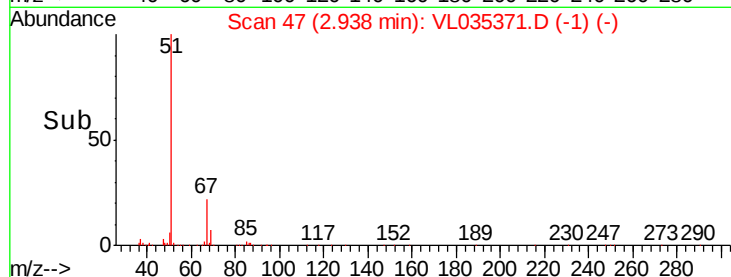
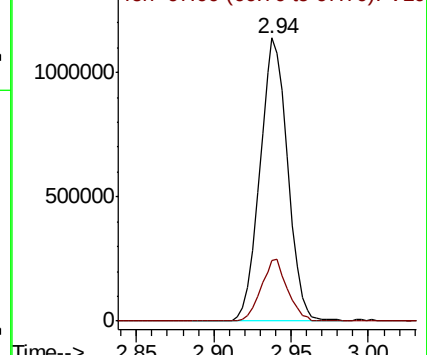
51 100

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: 9.194 ppbv

RT: 3.09 min Scan# 95

Delta R.T. -0.00 min

Lab File: VL035371.D

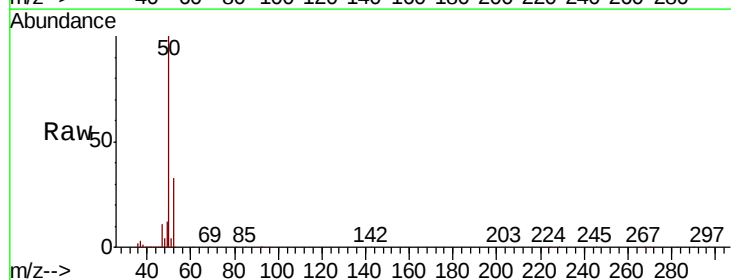
Acq: 10 Aug 2020 9:56

Tgt Ion: 50 Resp: 798642

Ion Ratio Lower Upper

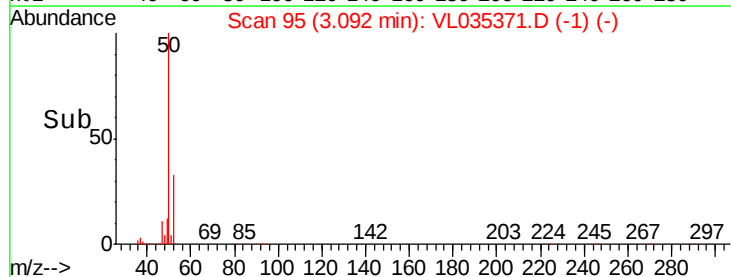
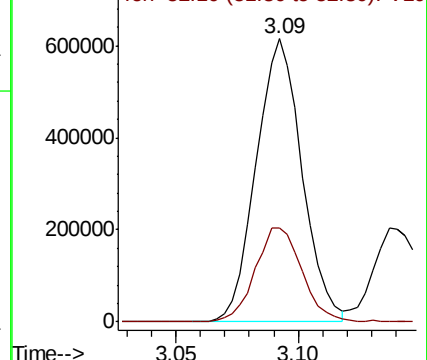
50 100

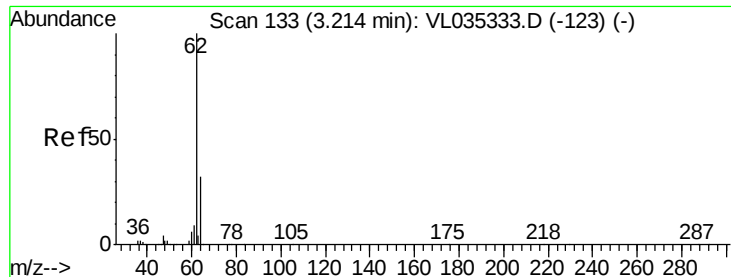
52 33.1 26.0 39.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.107 ppbv

RT: 3.21 min Scan# 132

Delta R.T. -0.00 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

Instrument :

MSVOA_L

ClientSampleId :

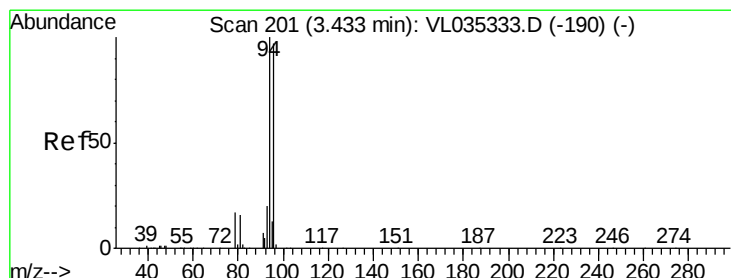
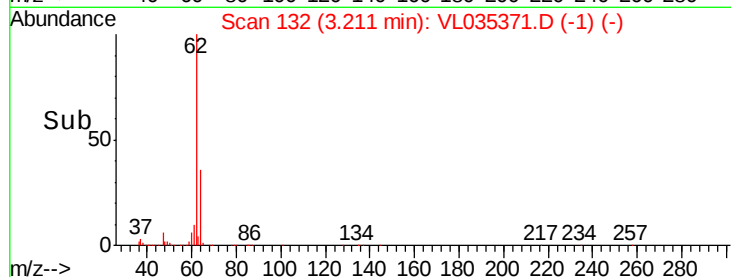
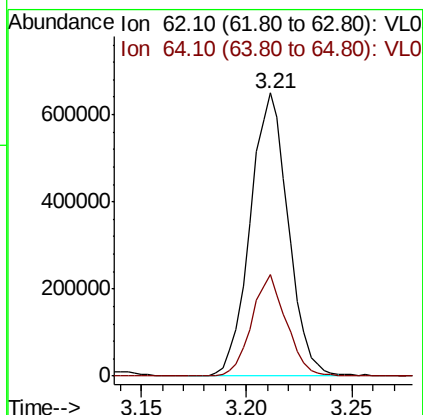
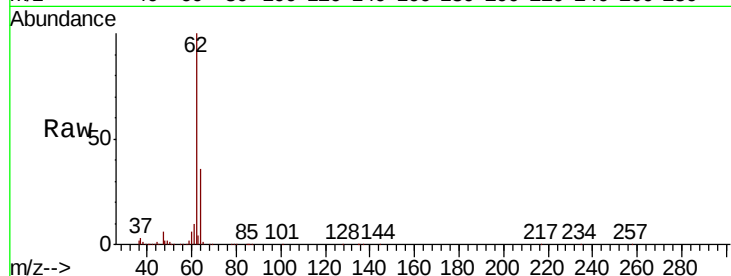
VSTDCCC010

Tot Ion: 62 Resp: 813696

Ion Ratio Lower Upper

62 100

64 35.8 25.8 38.6



#6

Bromomethane

Concen: 9.789 ppbv

RT: 3.43 min Scan# 200

Delta R.T. -0.00 min

Lab File: VL035371.D

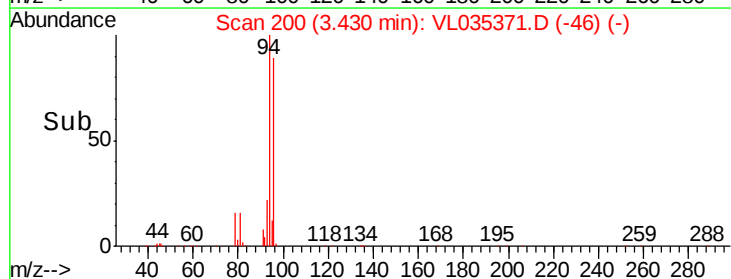
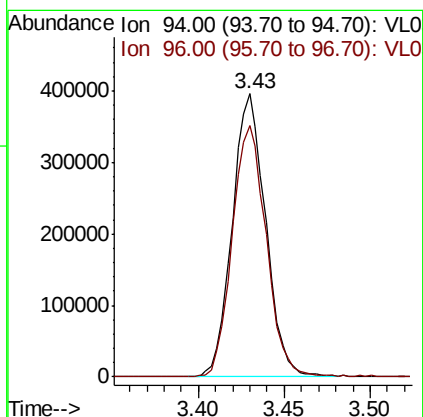
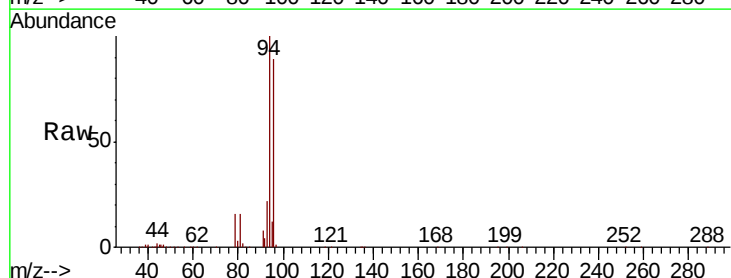
Acq: 10 Aug 2020 9:56

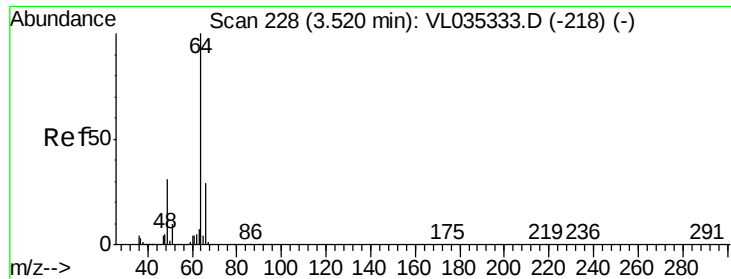
Tgt Ion: 94 Resp: 535811

Ion Ratio Lower Upper

94 100

96 88.9 77.3 115.9





#7

Chloroethane

Concen: 9.445 ppbv

RT: 3.51 min Scan# 226

Delta R.T. -0.01 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

Instrument :

MSVOA_L

ClientSampleId :

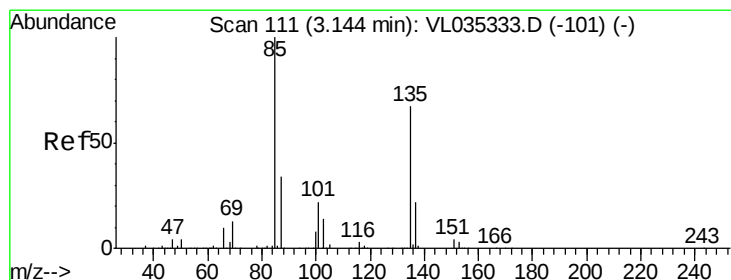
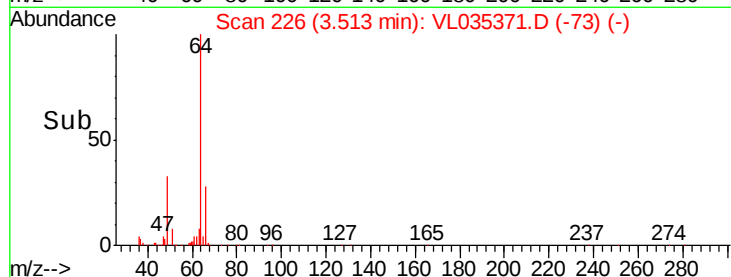
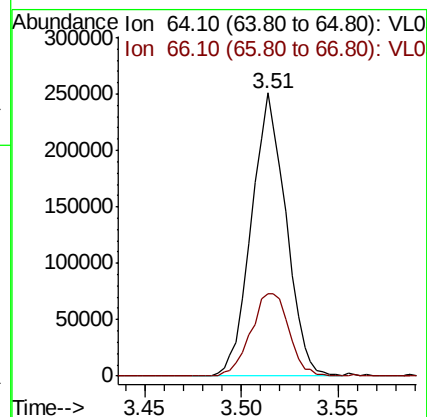
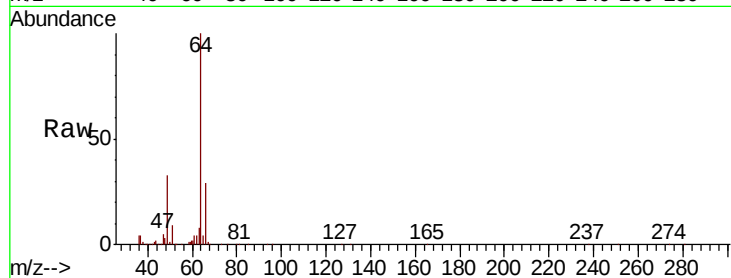
VSTDCCC010

Tot Ion: 64 Resp: 313415

Ion Ratio Lower Upper

64 100

66 29.0 23.0 34.6



#8

Dichlorotetrafluoroethane

Concen: 9.365 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL035371.D

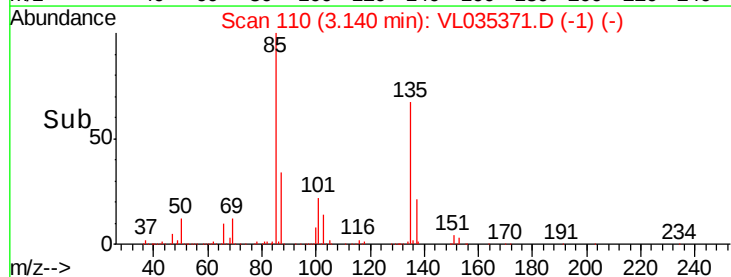
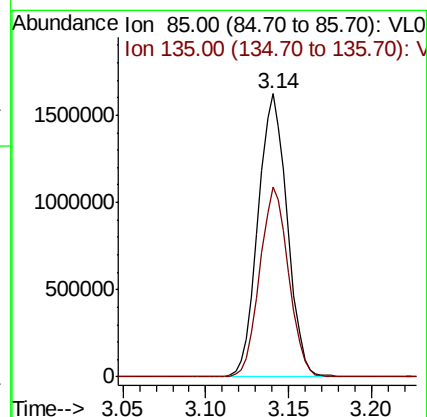
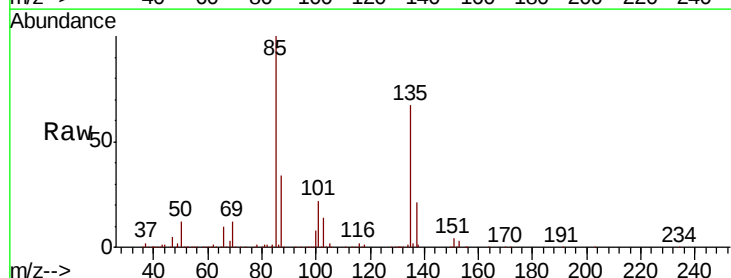
Acq: 10 Aug 2020 9:56

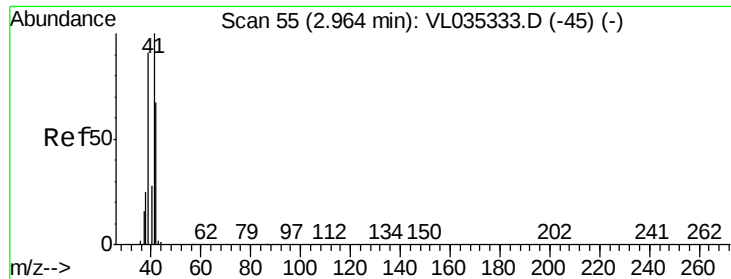
Tgt Ion: 85 Resp: 1978815

Ion Ratio Lower Upper

85 100

135 66.4 54.5 81.7





#9

Propene

Concen: 9.804 ppbv

RT: 2.96 min Scan# 54

Delta R.T. -0.00 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

Instrument :

MSVOA_L

ClientSampleId :

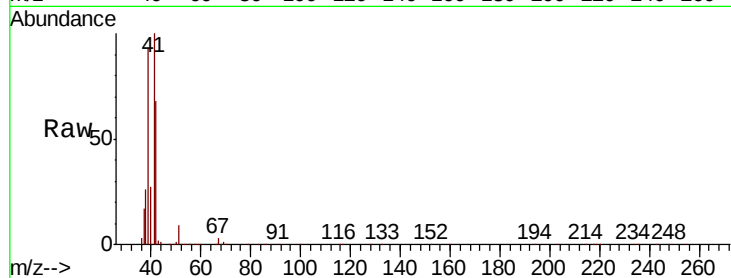
VSTDCCC010

Tot Ion: 41 Resp: 535993

Ion Ratio Lower Upper

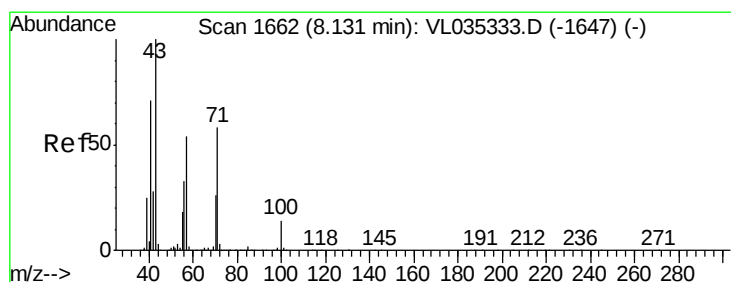
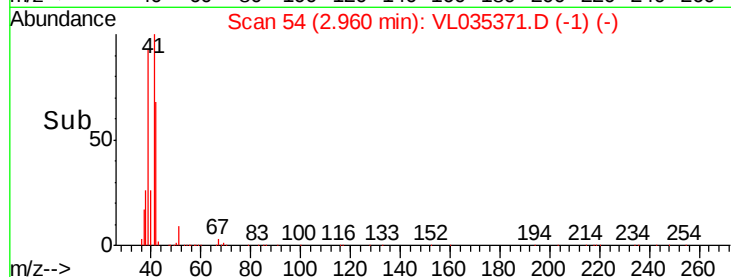
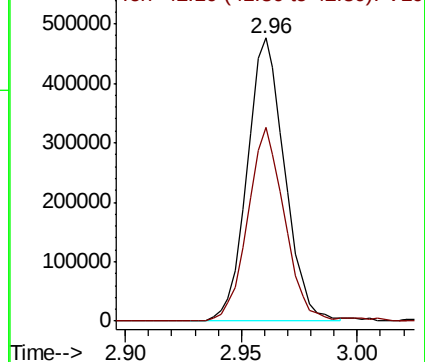
41 100

42 68.3 55.3 82.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 11.358 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VL035371.D

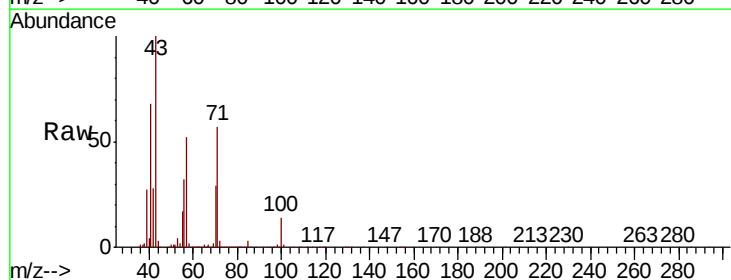
Acq: 10 Aug 2020 9:56

Tgt Ion: 43 Resp: 1586088

Ion Ratio Lower Upper

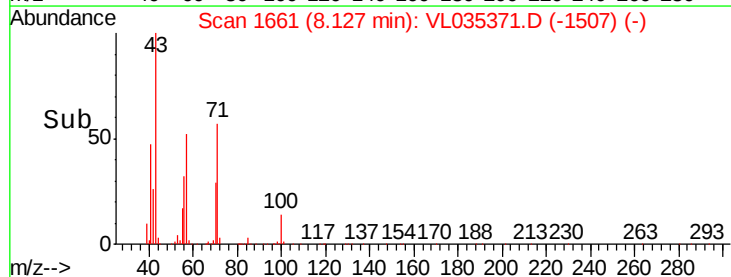
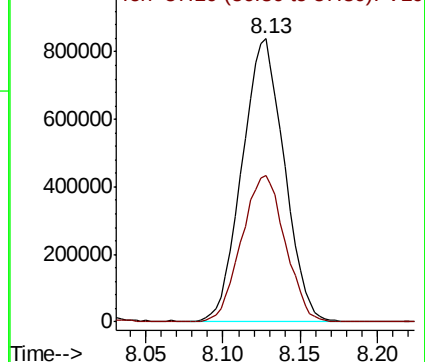
43 100

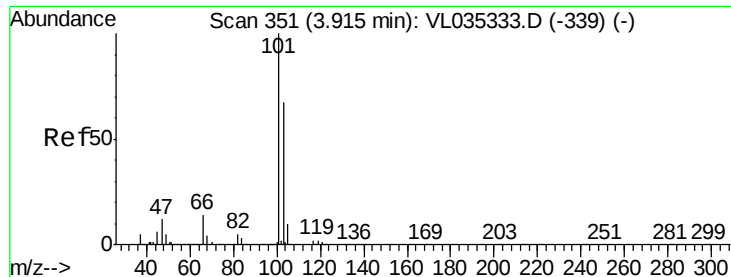
57 53.6 43.0 64.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 9.377 ppbv

RT: 3.91 min Scan# 350

Delta R.T. -0.00 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

Instrument :

MSVOA_L

ClientSampleId :

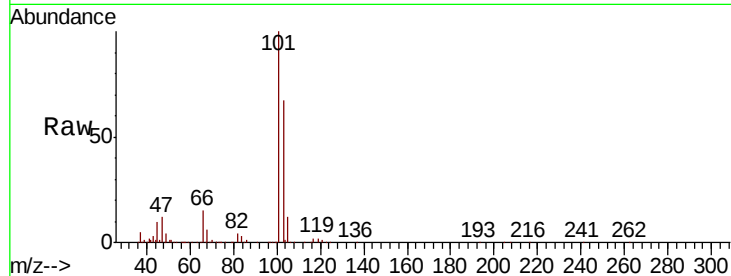
VSTDCCC010

Tot Ion:101 Resp: 2171971

Ion Ratio Lower Upper

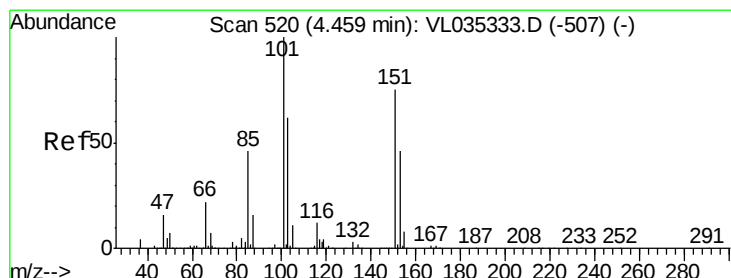
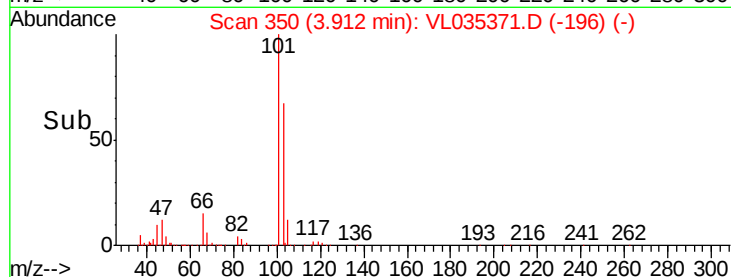
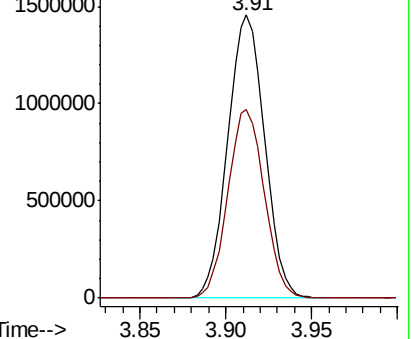
101 100

103 66.5 53.8 80.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.475 ppbv

RT: 4.45 min Scan# 518

Delta R.T. -0.01 min

Lab File: VL035371.D

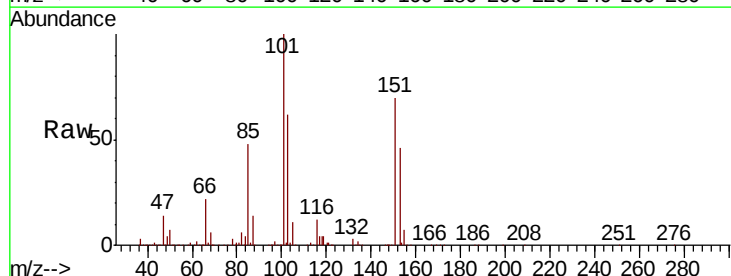
Acq: 10 Aug 2020 9:56

Tgt Ion:101 Resp: 1568543

Ion Ratio Lower Upper

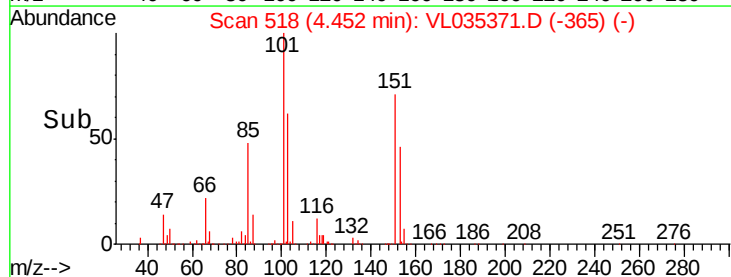
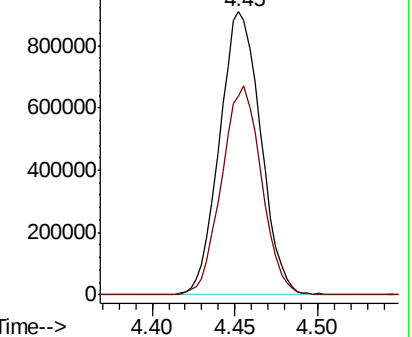
101 100

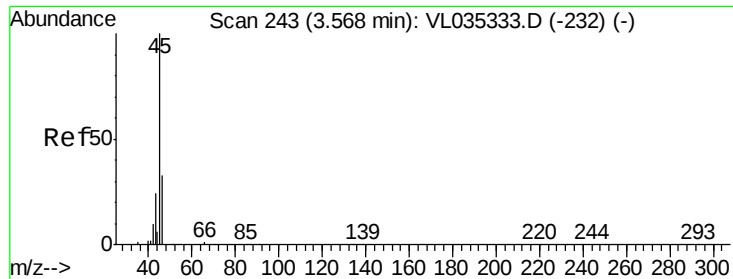
151 71.8 59.5 89.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 4.081 ppbv

RT: 3.56 min Scan# 242

Delta R.T. -0.00 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

Instrument :

MSVOA_L

ClientSampleId :

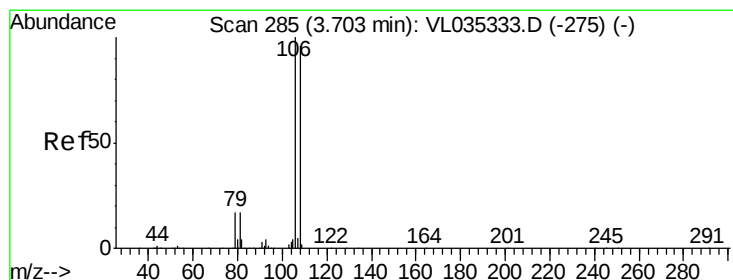
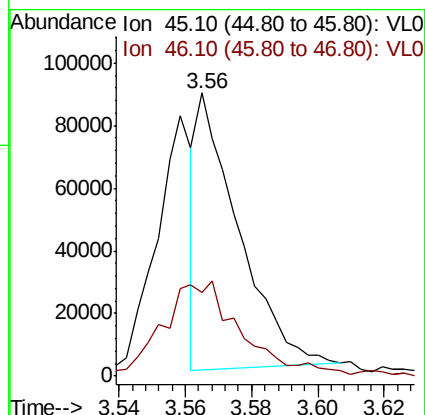
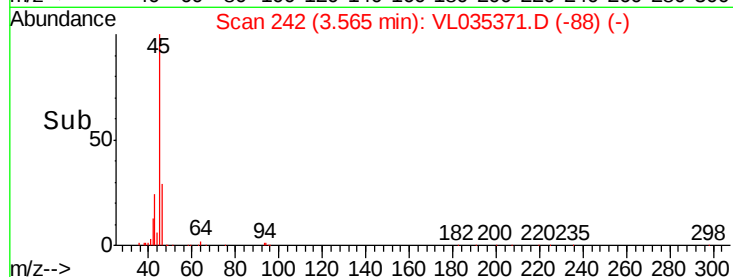
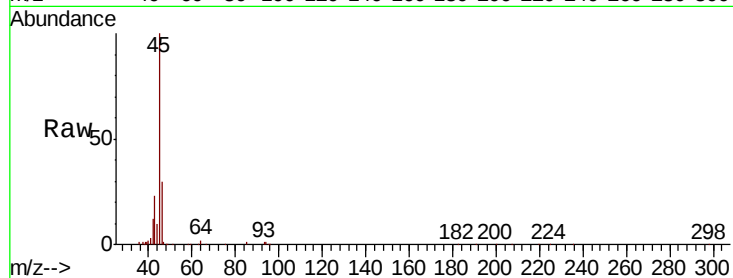
VSTDCCC010

Tot Ion: 45 Resp: 76947

Ion Ratio Lower Upper

45 100

46 67.8 15.2 61.0#



#14

Bromoethene

Concen: 9.823 ppbv

RT: 3.70 min Scan# 284

Delta R.T. -0.00 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

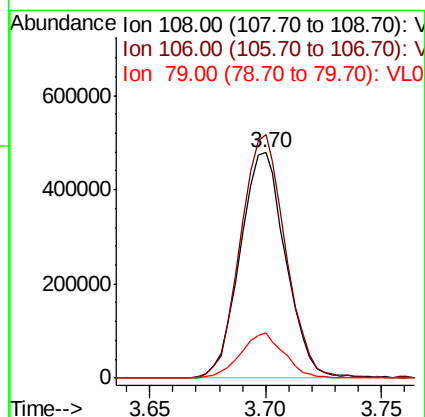
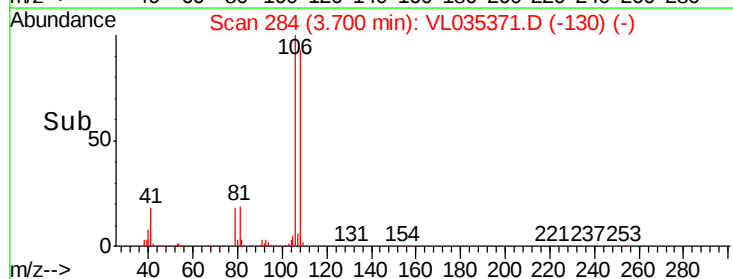
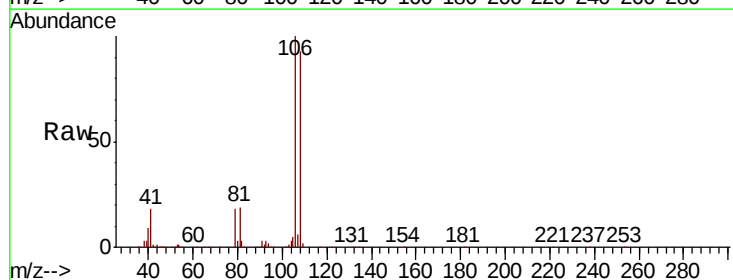
Tgt Ion: 108 Resp: 652097

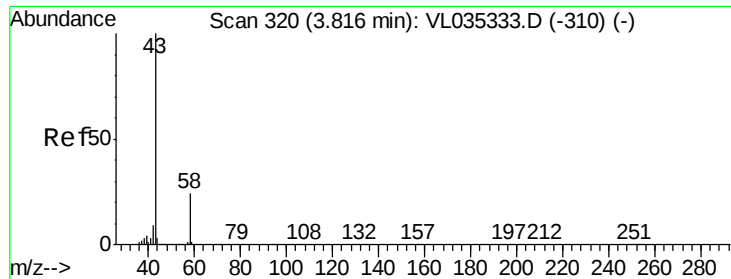
Ion Ratio Lower Upper

108 100

106 107.8 85.0 127.6

79 19.4 15.0 22.6





#15

Acetone

Concen: 8.479 ppbv

RT: 3.81 min Scan# 318

Delta R.T. -0.01 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

Instrument :

MSVOA_L

ClientSampleId :

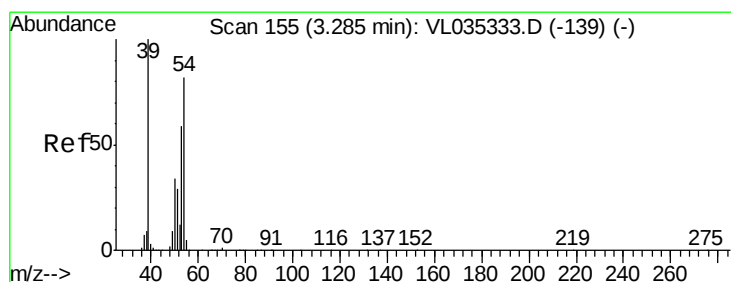
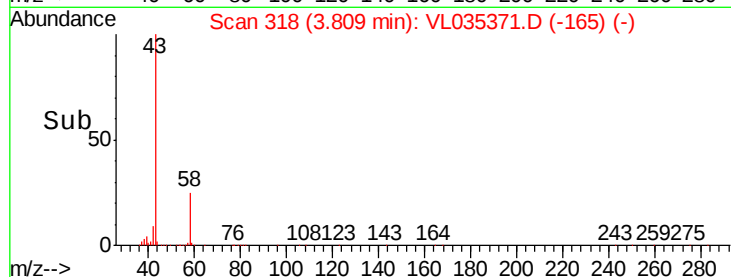
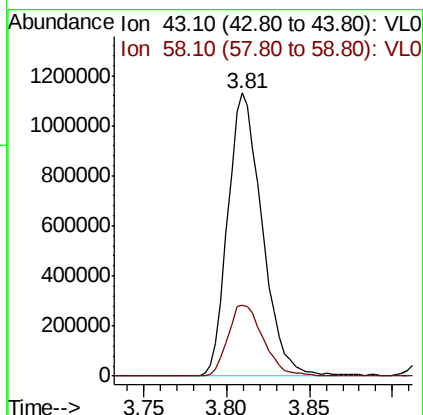
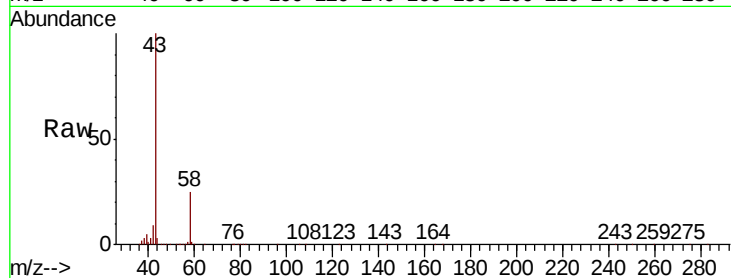
VSTDCCC010

Tot Ion: 43 Resp: 1618274

Ion Ratio Lower Upper

43 100

58 26.2 21.0 31.4



#16

1,3-Butadiene

Concen: 10.233 ppbv

RT: 3.28 min Scan# 154

Delta R.T. -0.00 min

Lab File: VL035371.D

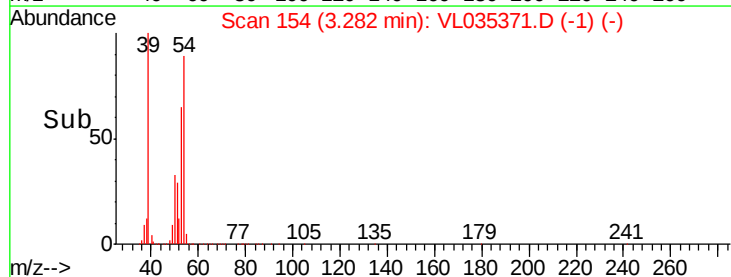
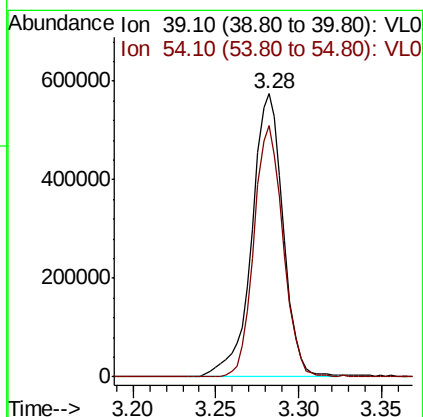
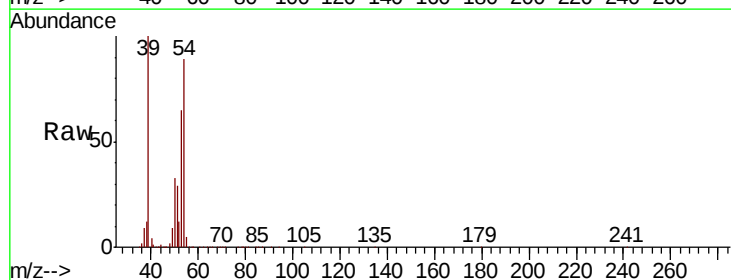
Acq: 10 Aug 2020 9:56

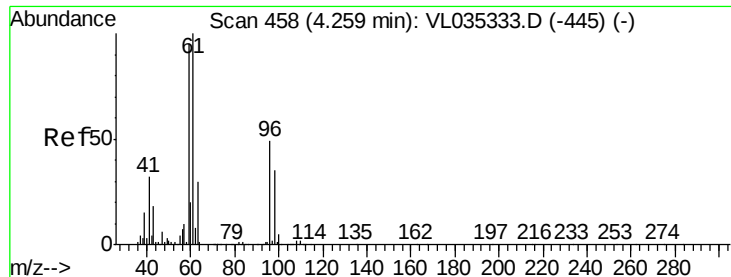
Tgt Ion: 39 Resp: 751782

Ion Ratio Lower Upper

39 100

54 82.8 64.4 96.6





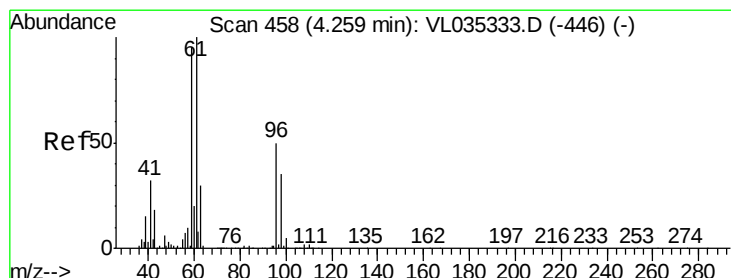
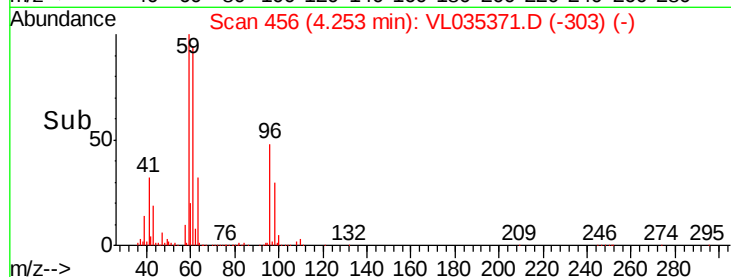
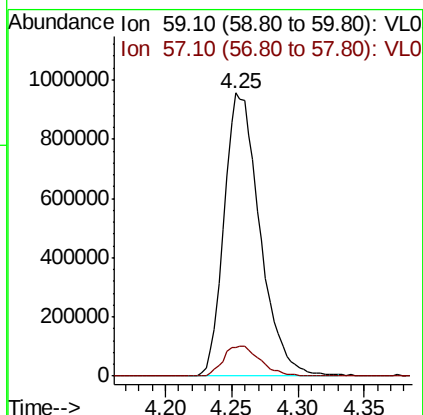
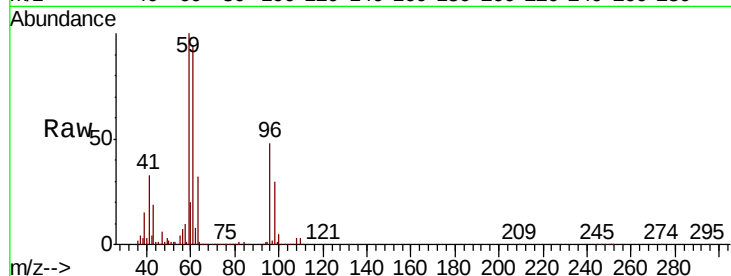
#17

tert-Butyl alcohol
 Concen: 10.232 ppbv
 RT: 4.25 min Scan# 456
 Delta R.T. -0.01 min
 Lab File: VL035371.D
 Acq: 10 Aug 2020 9:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 59 Resp: 1792424

Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.8	13.2

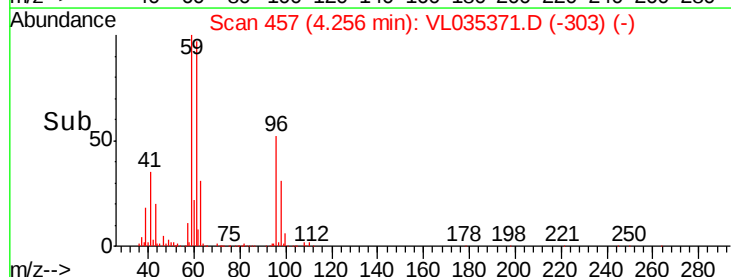
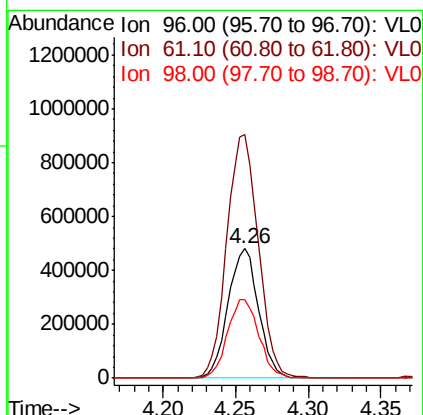
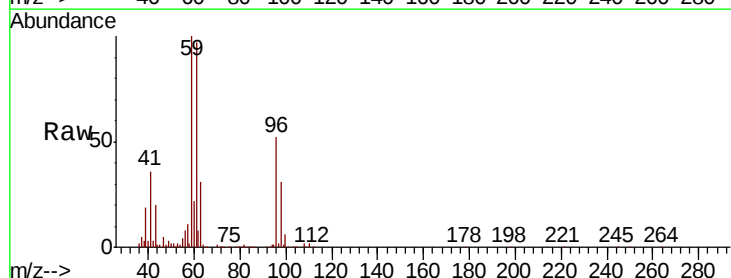


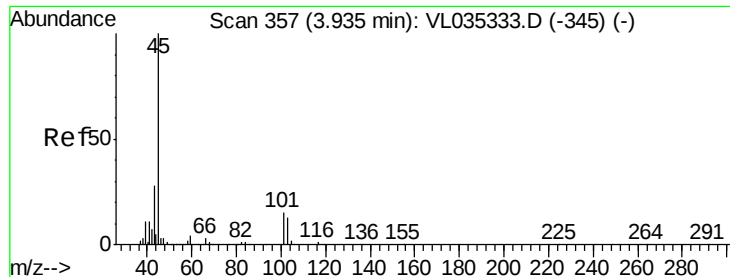
#18

1,1-Dichloroethene
 Concen: 9.881 ppbv
 RT: 4.26 min Scan# 457
 Delta R.T. -0.00 min
 Lab File: VL035371.D
 Acq: 10 Aug 2020 9:56

Tgt Ion: 96 Resp: 702435

Ion	Ratio	Lower	Upper
96	100		
61	187.6	161.4	242.2
98	60.9	56.0	84.0





#19

Isopropyl Alcohol

Concen: 9.536 ppbv

RT: 3.93 min Scan# 356

Delta R.T. -0.00 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

Instrument :

MSVOA_L

ClientSampleId :

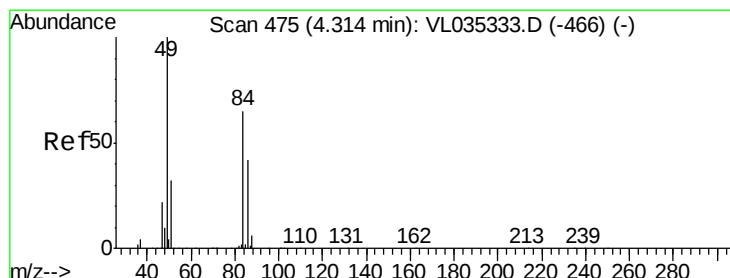
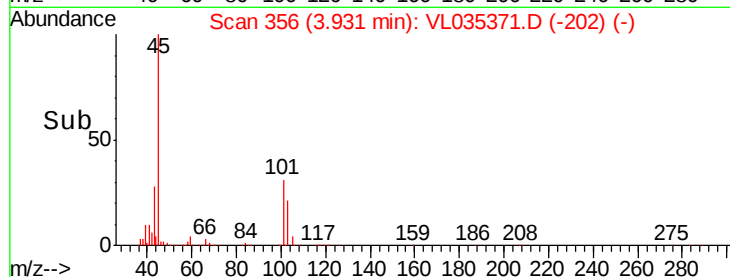
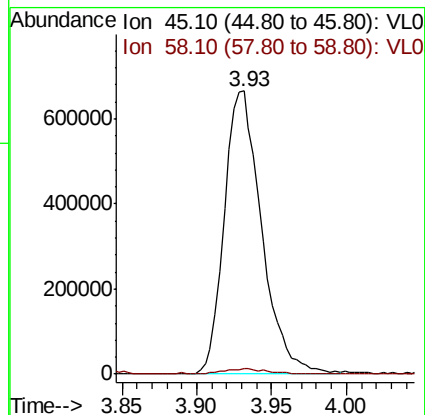
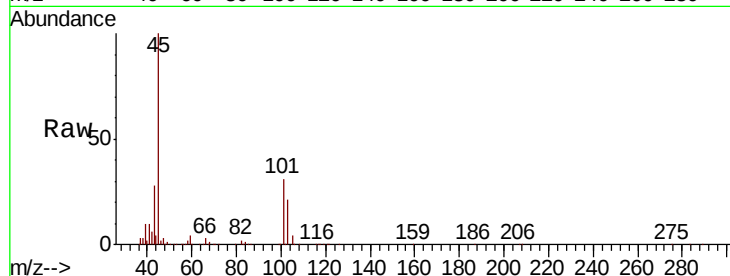
VSTDCCC010

Tot Ion: 45 Resp: 1153722

Ion Ratio Lower Upper

45 100

58 2.6 1.9 2.9



#20

Methylene Chloride

Concen: 8.076 ppbv

RT: 4.31 min Scan# 474

Delta R.T. -0.00 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

Tgt Ion: 84 Resp: 628559

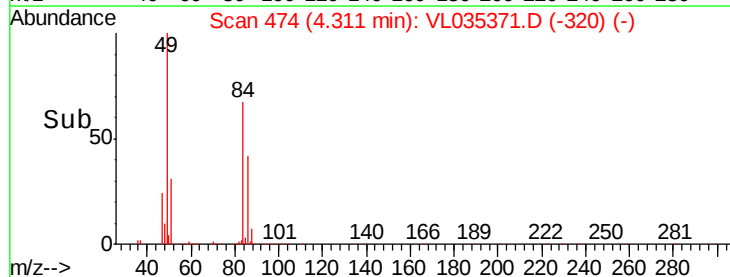
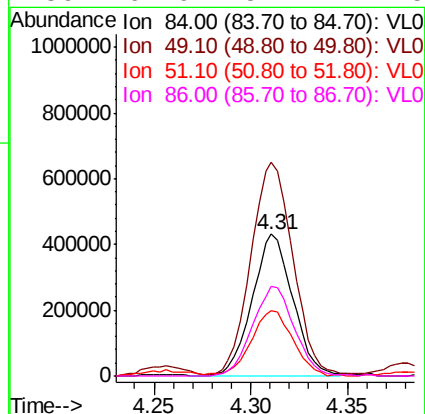
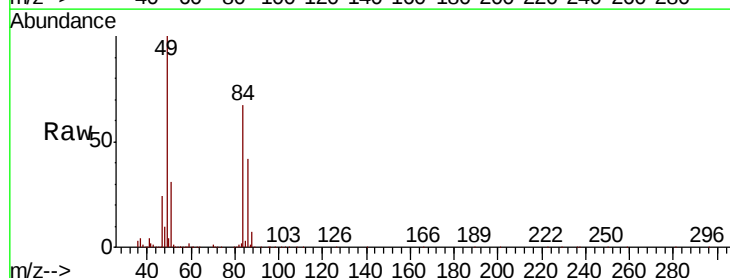
Ion Ratio Lower Upper

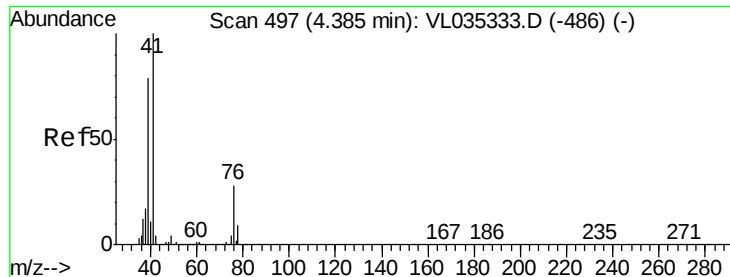
84 100

49 148.9 122.8 184.2

51 45.7 40.1 60.1

86 62.9 51.7 77.5

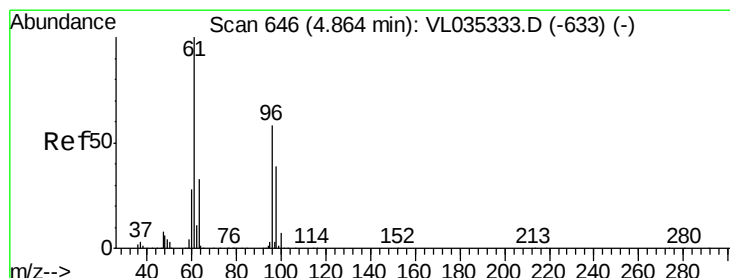
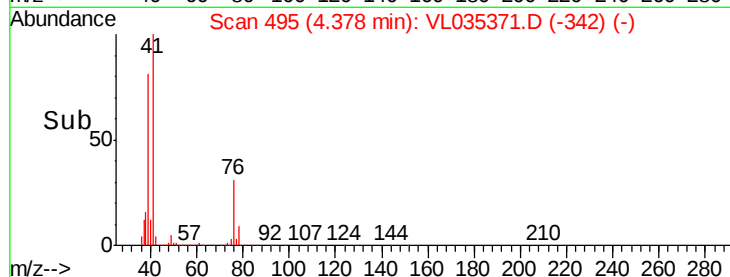
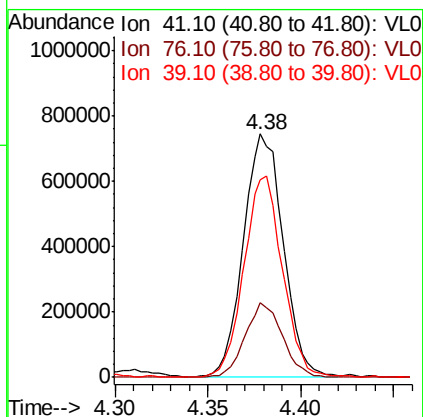
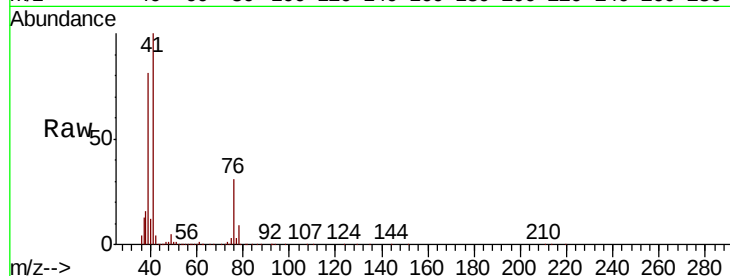




#21
Allvl Chloride
Concen: 10.122 ppbv
RT: 4.38 min Scan# 495
Delta R.T. -0.01 min
Lab File: VL035371.D
Acq: 10 Aug 2020 9:56

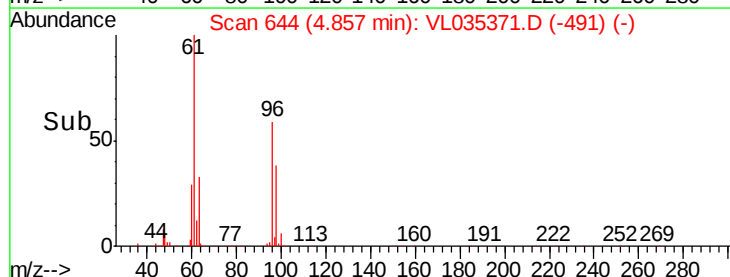
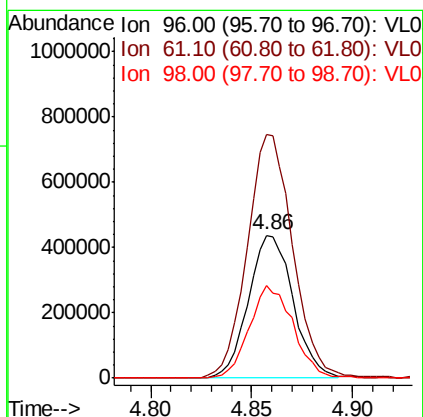
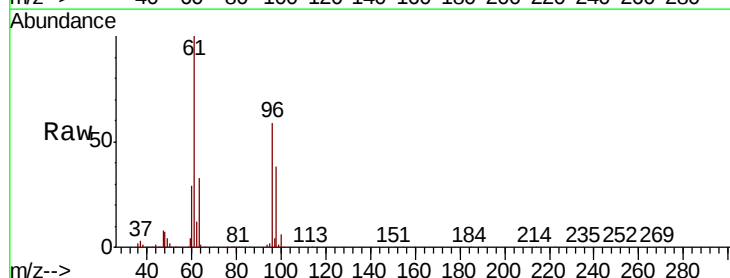
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

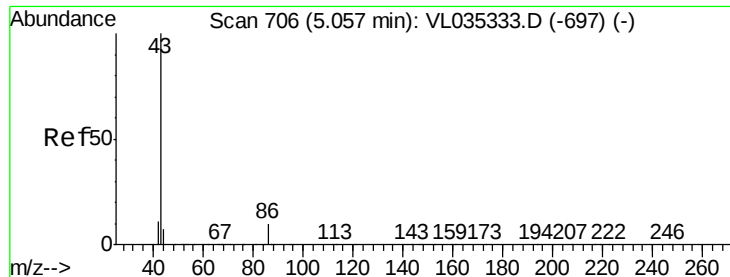
Tot Ion: 41 Resp: 1106927
Ion Ratio Lower Upper
41 100
76 28.9 23.8 35.6
39 80.4 65.0 97.6



#22
trans-1,2-Dichloroethene
Concen: 9.815 ppbv
RT: 4.86 min Scan# 644
Delta R.T. -0.01 min
Lab File: VL035371.D
Acq: 10 Aug 2020 9:56

Tgt Ion: 96 Resp: 676524
Ion Ratio Lower Upper
96 100
61 170.2 138.5 207.7
98 65.1 54.3 81.5





#23

Vinyl Acetate

Concen: 10.734 ppbv

RT: 5.05 min Scan# 704

Delta R.T. -0.01 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1964490

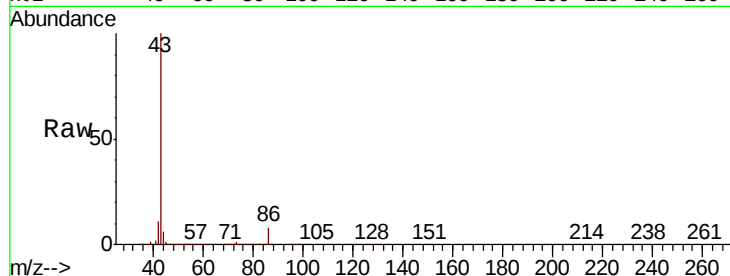
Ion	Ratio	Lower	Upper
43	100		
86	7.6	6.9	10.3
42	10.9	8.8	13.2
44	6.0	5.0	7.6

43 100

86 7.6 6.9 10.3

42 10.9 8.8 13.2

44 6.0 5.0 7.6

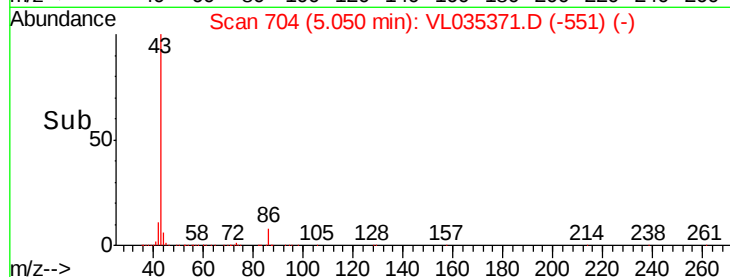


Abundance Ion 43.10 (42.80 to 43.80): VL0

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-->

5.05

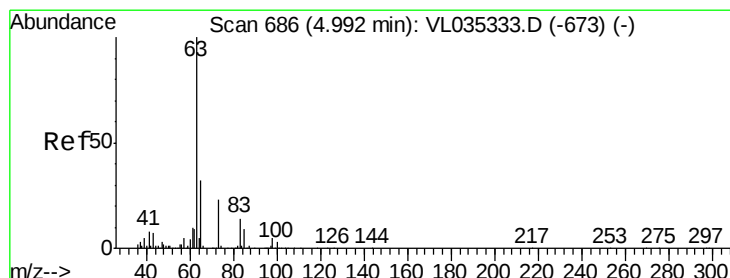
1500000

1000000

500000

0

5.00 5.05 5.10



#24

1,1-Dichloroethane

Concen: 9.615 ppbv

RT: 4.99 min Scan# 684

Delta R.T. -0.01 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

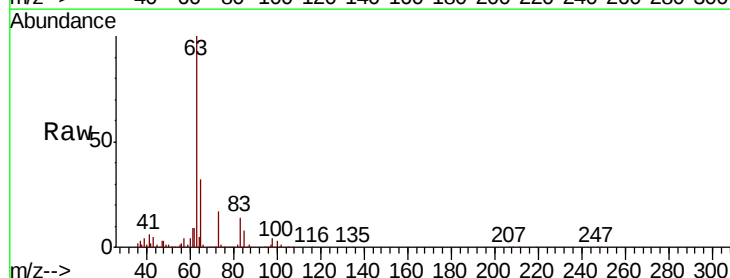
Tgt Ion: 63 Resp: 1653761

Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.5	7.5
100	3.1	1.4	4.2

63 100

98 4.3 2.5 7.5

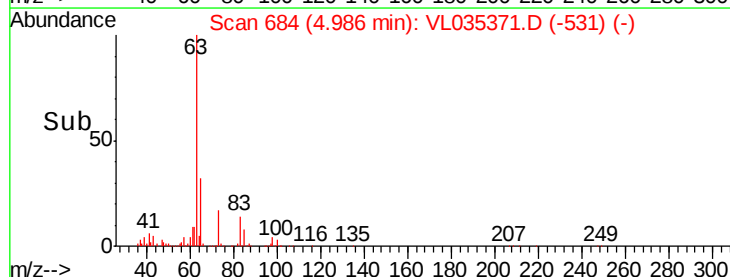
100 3.1 1.4 4.2



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-->

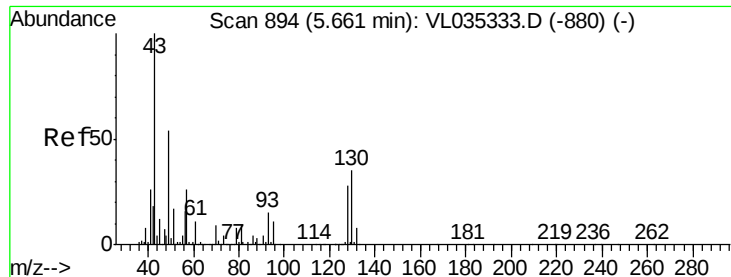
4.99

1000000

500000

0

4.95 5.00 5.05

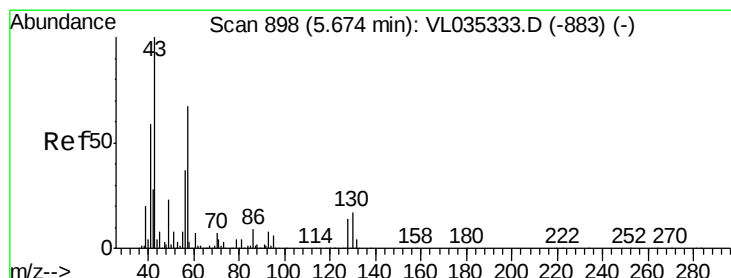
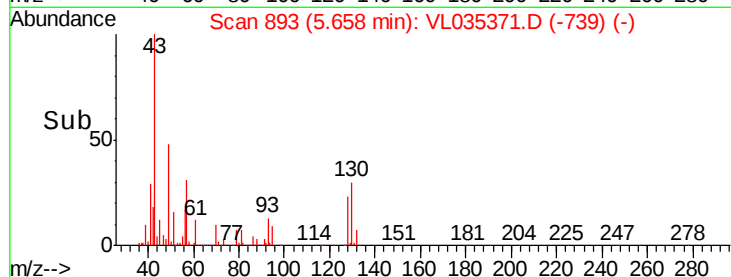
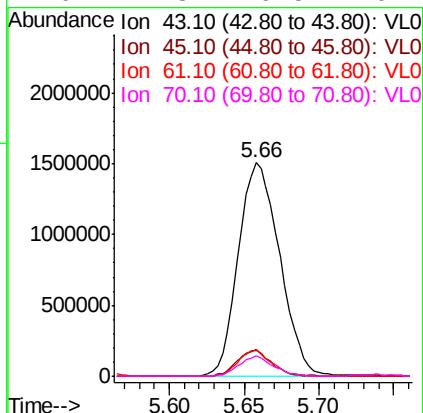
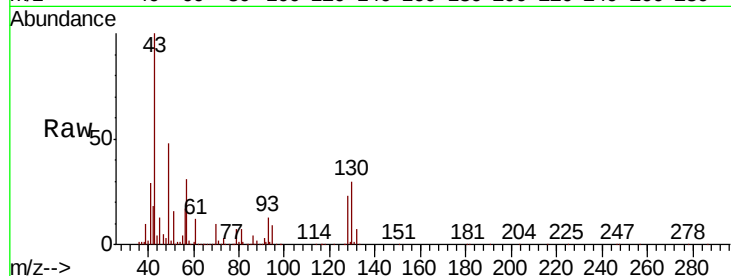


#25
Ethyl Acetate
Concen: 9.995 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.00 min
Lab File: VL035371.D
Acq: 10 Aug 2020 9:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 2898615

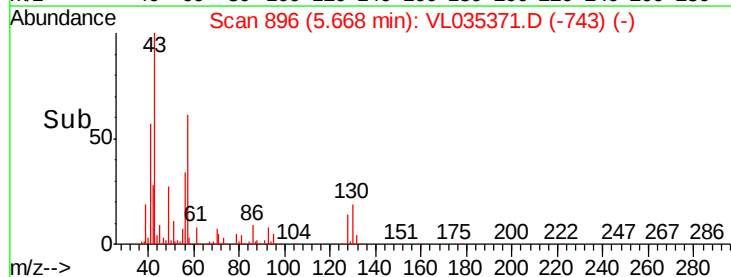
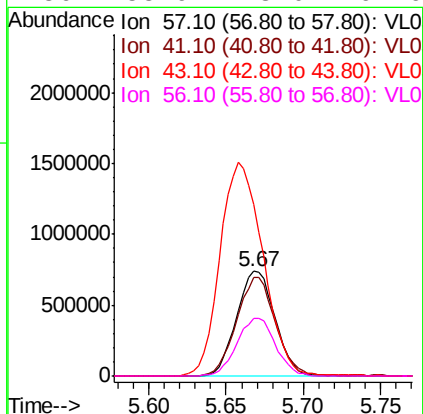
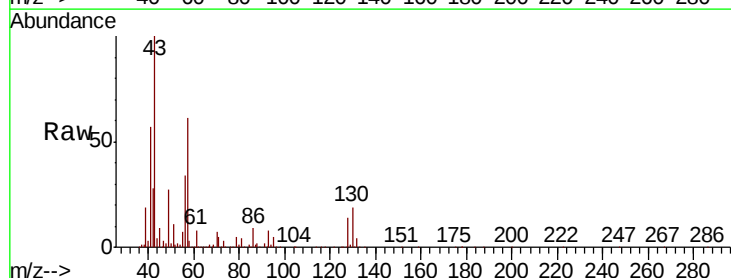
Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.5	12.7
61	10.1	8.1	12.1
70	7.8	6.5	9.7

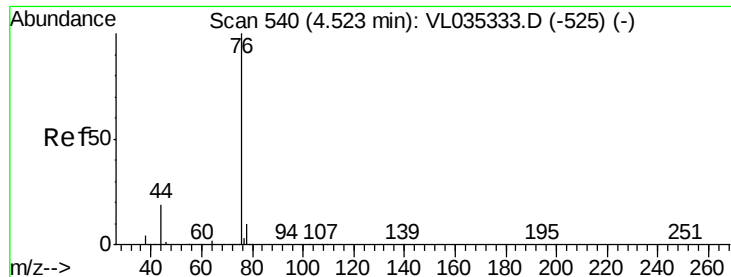


#26
Hexane
Concen: 10.089 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.01 min
Lab File: VL035371.D
Acq: 10 Aug 2020 9:56

Tgt Ion: 57 Resp: 1269185

Ion	Ratio	Lower	Upper
57	100		
41	96.0	75.2	112.8
43	230.0	180.6	270.8
56	55.9	43.0	64.6





#27

Carbon Disulfide

Concen: 10.427 ppbv

RT: 4.52 min Scan# 539

Delta R.T. -0.00 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

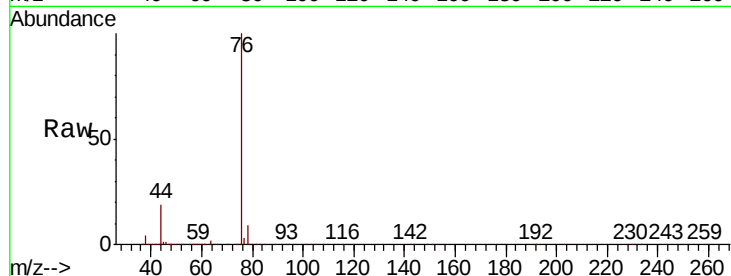
Tot Ion: 76 Resp: 1834198

Ion Ratio Lower Upper

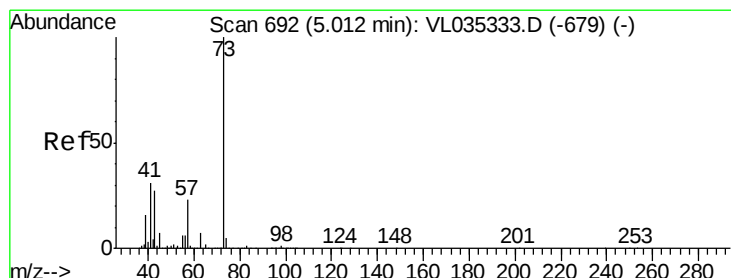
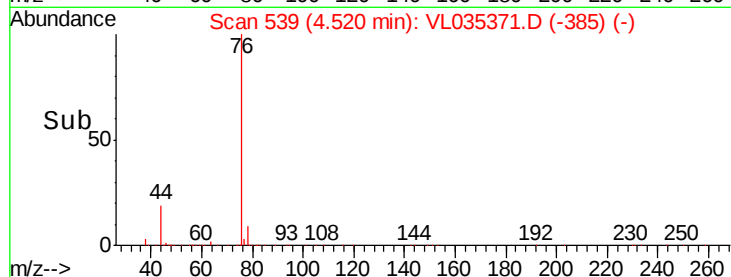
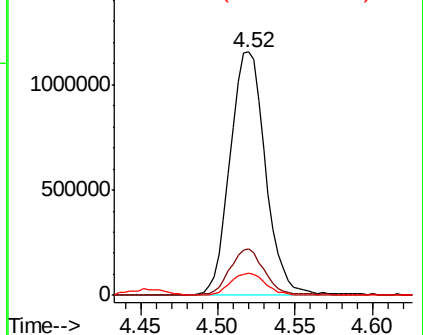
76 100

44 18.5 15.4 23.2

78 9.1 7.7 11.5



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



#28

Methyl tert-Butyl Ether

Concen: 10.782 ppbv

RT: 5.01 min Scan# 690

Delta R.T. -0.01 min

Lab File: VL035371.D

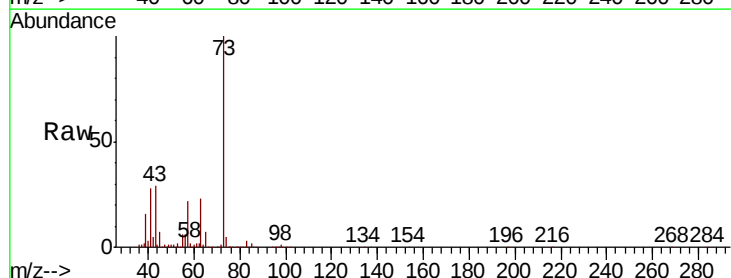
Acq: 10 Aug 2020 9:56

Tgt Ion: 73 Resp: 1972029

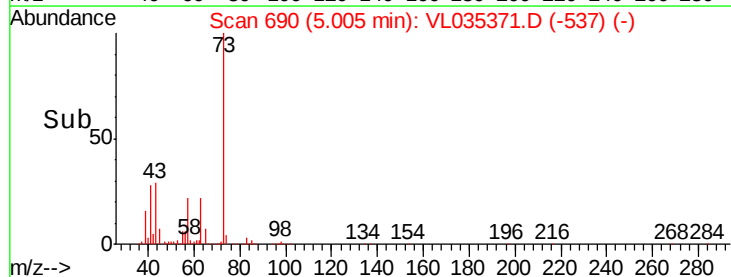
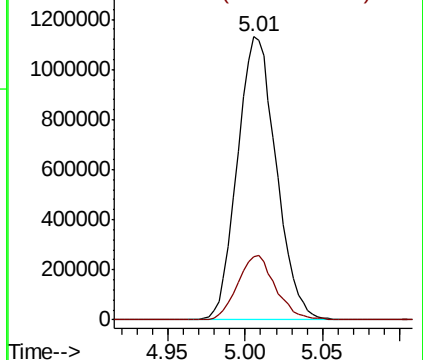
Ion Ratio Lower Upper

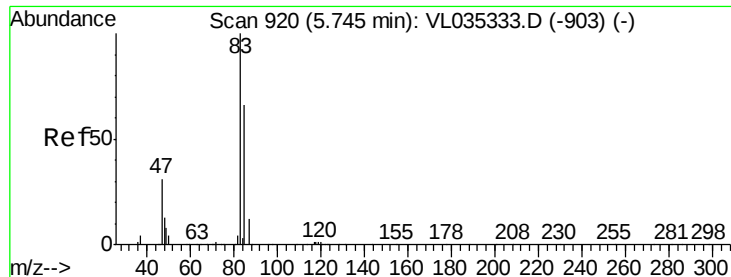
73 100

57 22.3 17.9 26.9



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





#29

Chloroform

Concen: 9.638 ppbv

RT: 5.74 min Scan# 918

Delta R.T. -0.01 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

Instrument :

MSVOA_L

ClientSampleId :

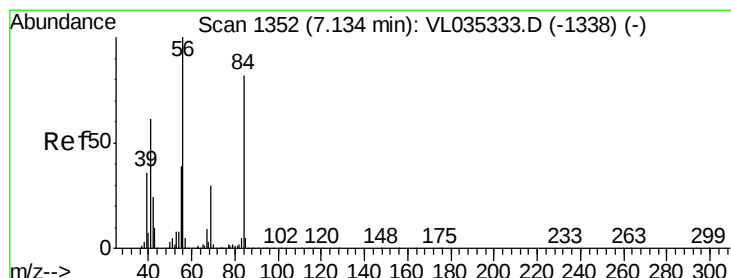
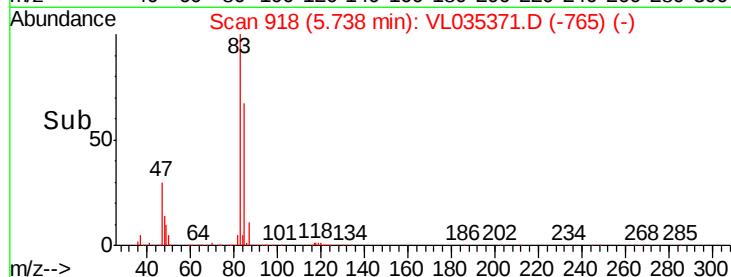
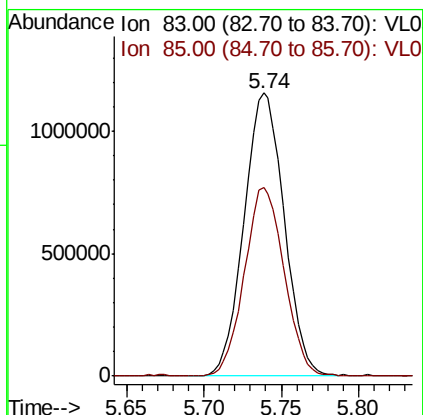
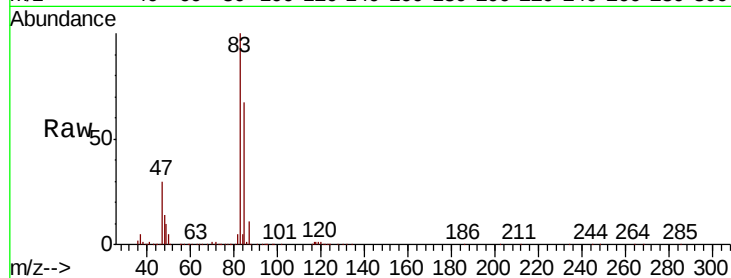
VSTDCCC010

Tot Ion: 83 Resp: 2090264

Ion Ratio Lower Upper

83 100

85 66.4 52.9 79.3



#30

Cyclohexane

Concen: 11.383 ppbv

RT: 7.12 min Scan# 1349

Delta R.T. -0.01 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

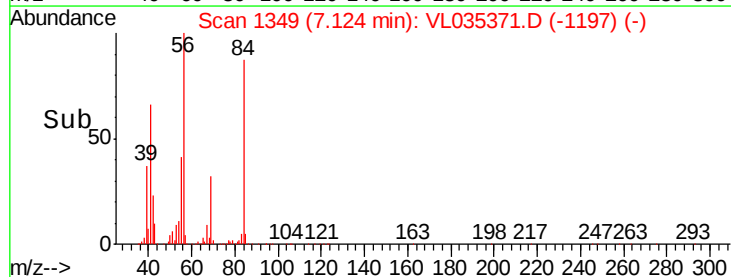
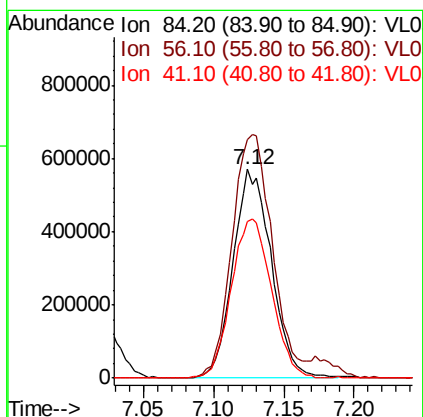
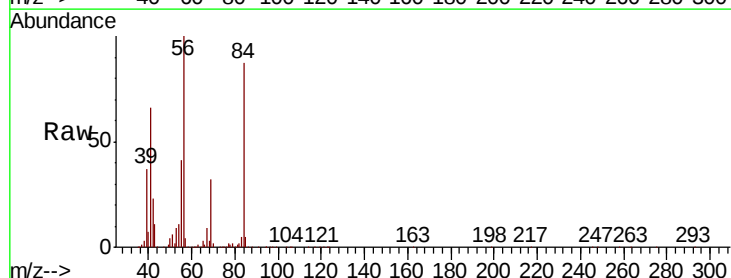
Tgt Ion: 84 Resp: 1085783

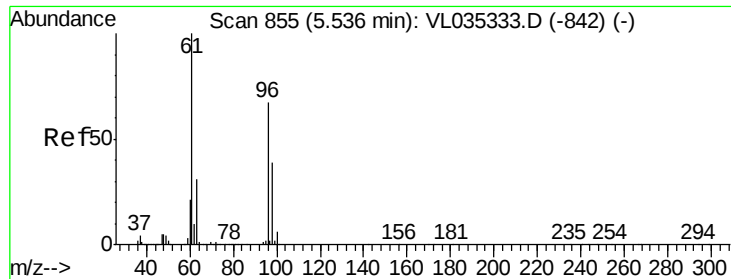
Ion Ratio Lower Upper

84 100

56 129.3 104.7 157.1

41 80.2 64.2 96.2



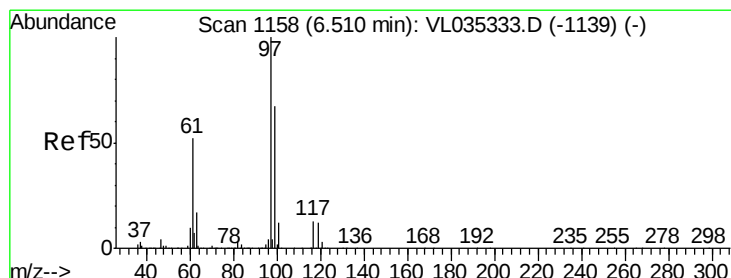
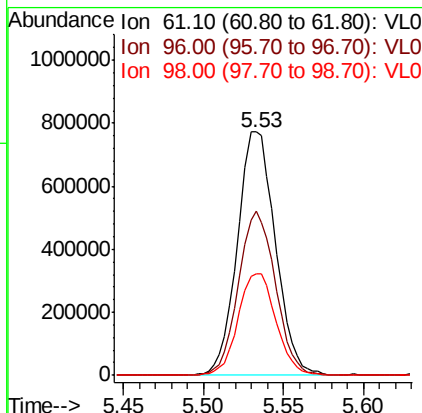
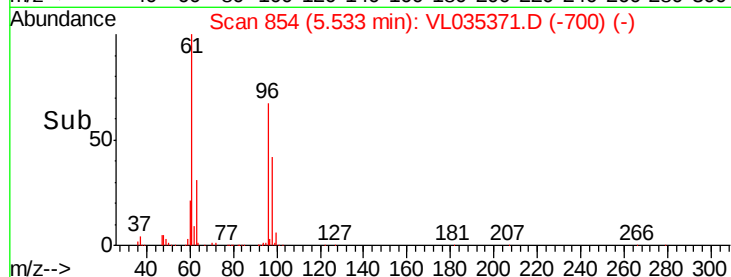
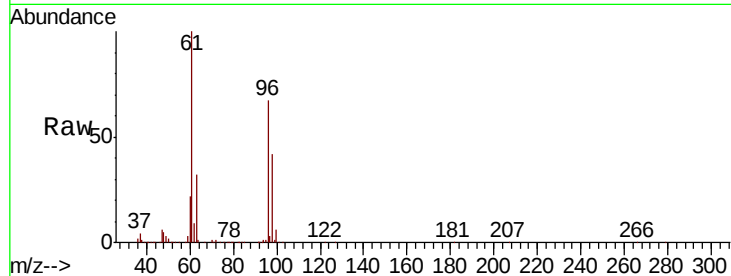


#31

cis-1,2-Dichloroethene
Concen: 11.209 ppbv
RT: 5.53 min Scan# 854
Delta R.T. -0.00 min
Lab File: VL035371.D
Acq: 10 Aug 2020 9:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

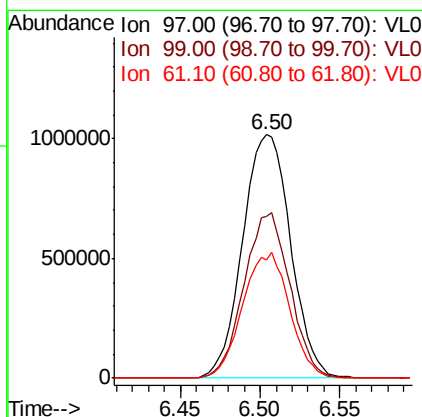
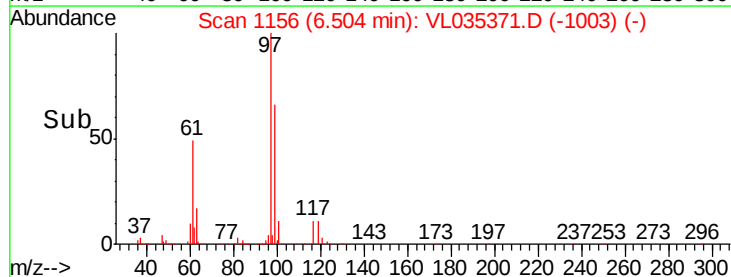
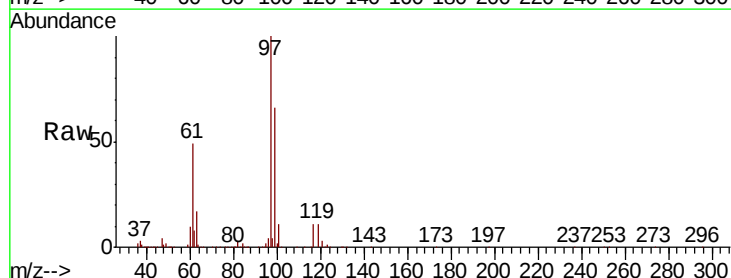
Tot Ion: 61 Resp: 1253490
Ion Ratio Lower Upper
61 100
96 67.2 53.6 80.4
98 41.9 31.0 46.4

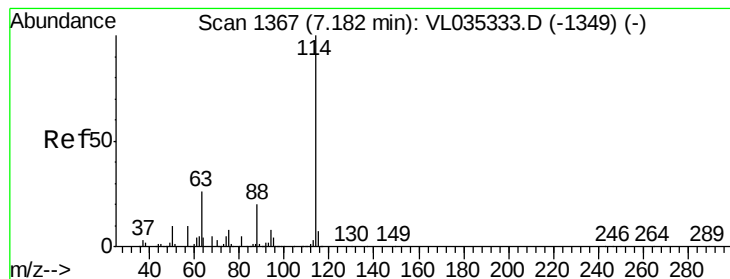


#32

1,1,1-Trichloroethane
Concen: 9.149 ppbv
RT: 6.50 min Scan# 1156
Delta R.T. -0.01 min
Lab File: VL035371.D
Acq: 10 Aug 2020 9:56

Tgt Ion: 97 Resp: 2085417
Ion Ratio Lower Upper
97 100
99 65.2 52.2 78.4
61 50.6 40.9 61.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. -0.01 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

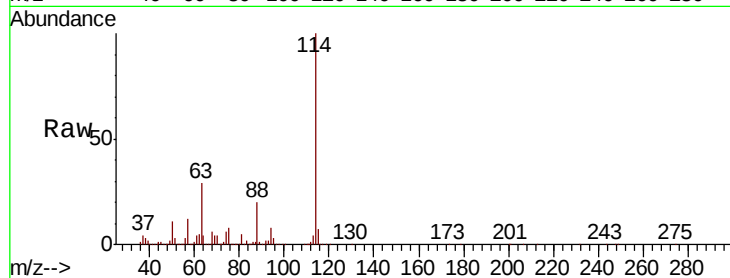
Tot Ion:114 Resp: 3294445

Ion Ratio Lower Upper

114 100

63 27.3 21.3 31.9

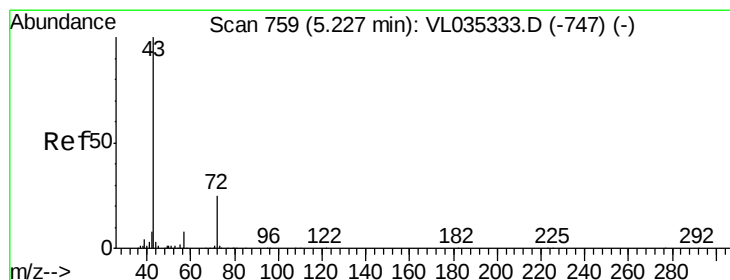
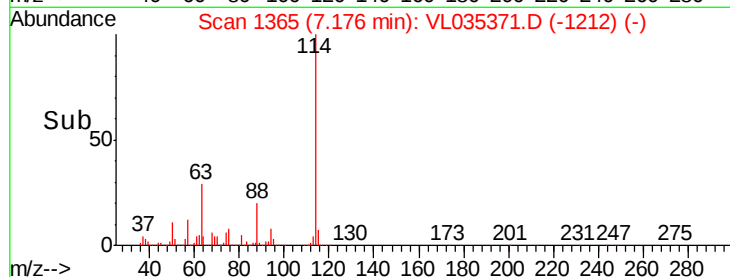
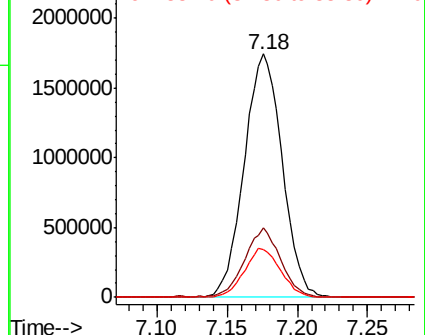
88 19.2 15.3 22.9



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 10.656 ppbv

RT: 5.22 min Scan# 758

Delta R.T. -0.00 min

Lab File: VL035371.D

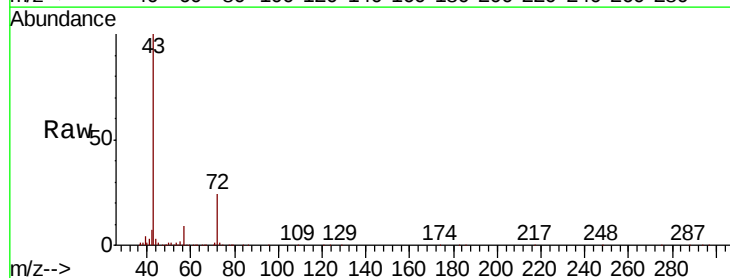
Acq: 10 Aug 2020 9:56

Tgt Ion: 43 Resp: 1728579

Ion Ratio Lower Upper

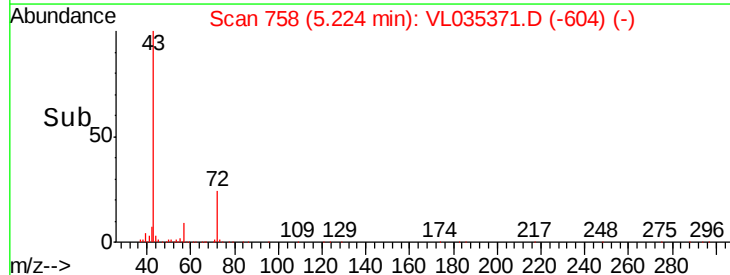
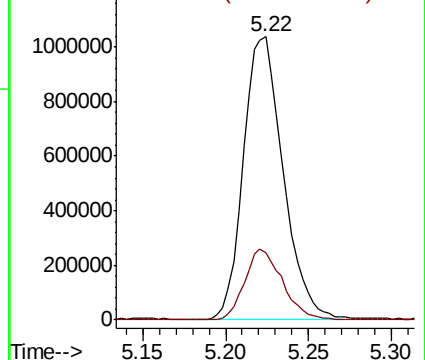
43 100

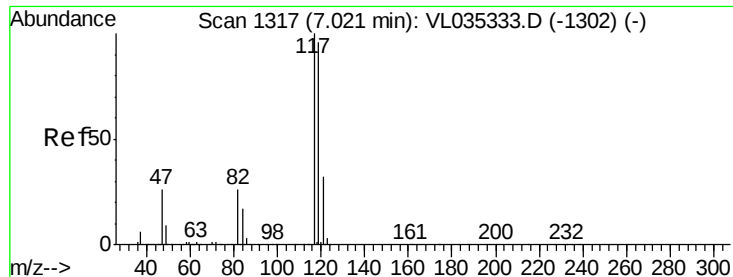
72 23.8 18.9 28.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.873 ppbv

RT: 7.01 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

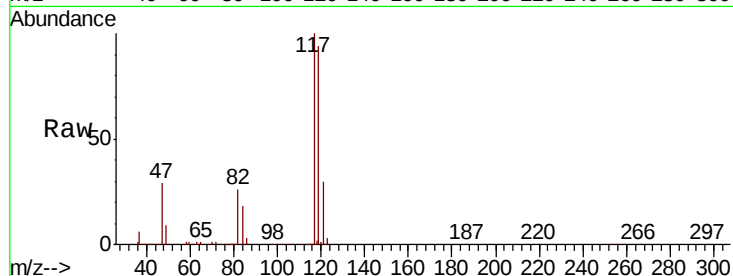
Tot Ion:117 Resp: 2238368

Ion Ratio Lower Upper

117 100

119 94.0 77.0 115.6

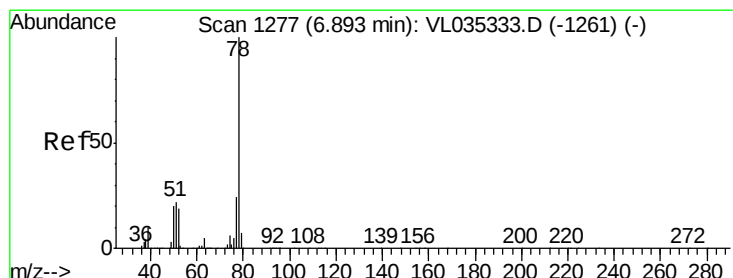
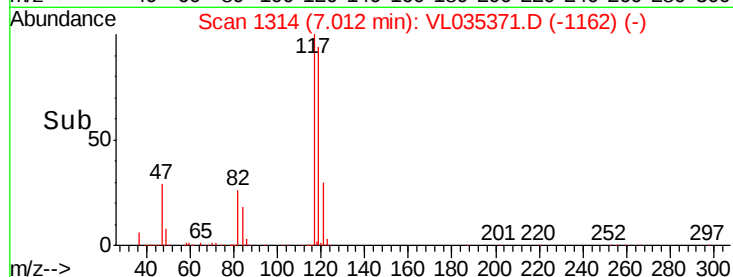
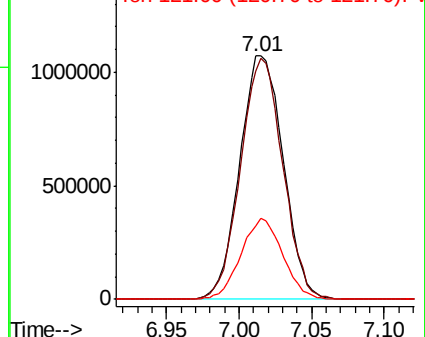
121 29.9 26.0 39.0



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: 11.163 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

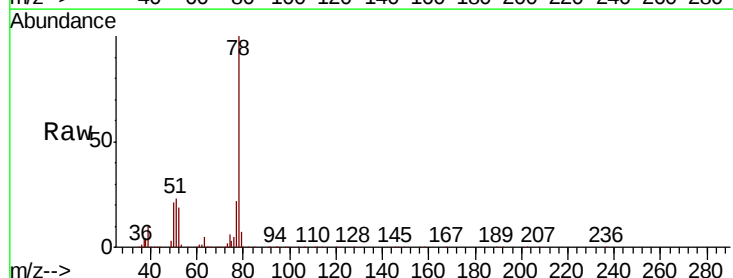
Tgt Ion: 78 Resp: 2483186

Ion Ratio Lower Upper

78 100

77 22.5 19.3 28.9

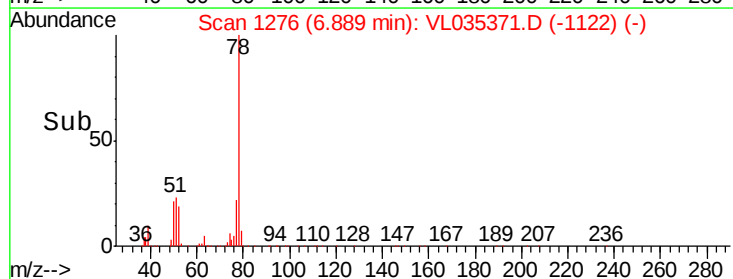
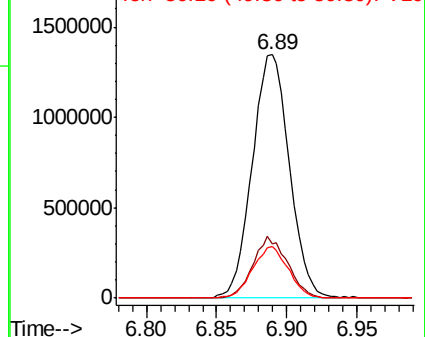
50 21.0 16.3 24.5

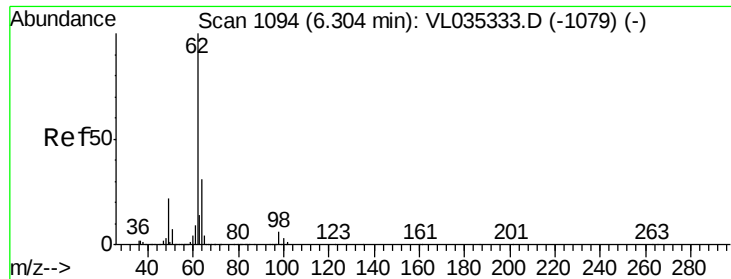


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 10.525 ppbv

RT: 6.30 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

Instrument :

MSVOA_L

ClientSampleId :

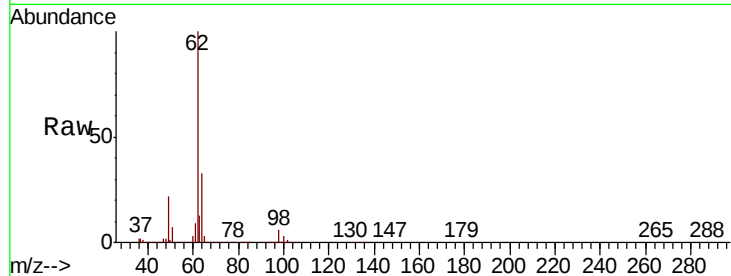
VSTDCCC010

Tot Ion: 62 Resp: 1635759

Ion Ratio Lower Upper

62 100

98 6.0 4.6 7.0



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.30

800000

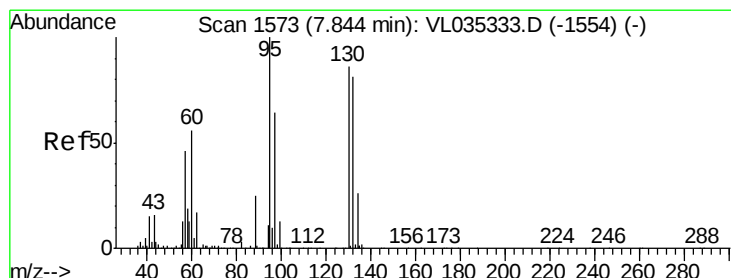
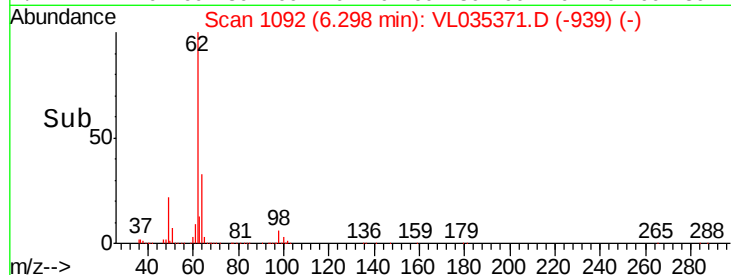
600000

400000

200000

0

Time-->



#38

Trichloroethene

Concen: 10.745 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

Tgt Ion:130 Resp: 1102653

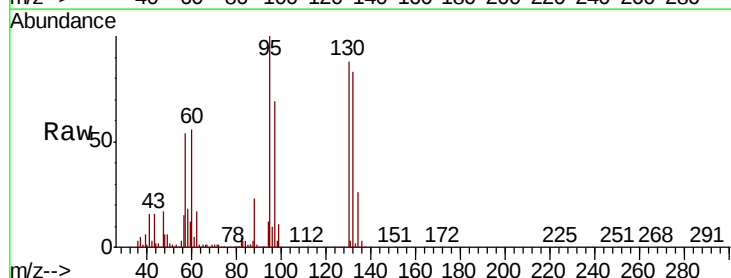
Ion Ratio Lower Upper

130 100

95 112.9 93.4 140.2

132 94.3 76.1 114.1

97 77.7 59.4 89.2



Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

1000000

800000

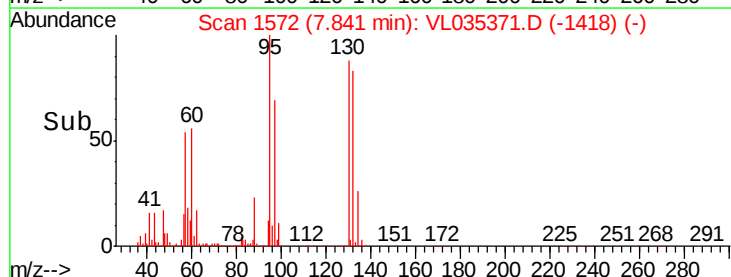
600000

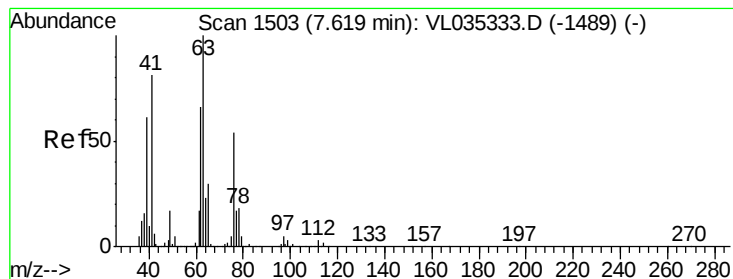
400000

200000

0

Time-->





#39

1,2-Dichloropropane

Concen: 10.731 ppbv

RT: 7.61 min Scan# 1501

Delta R.T. -0.01 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

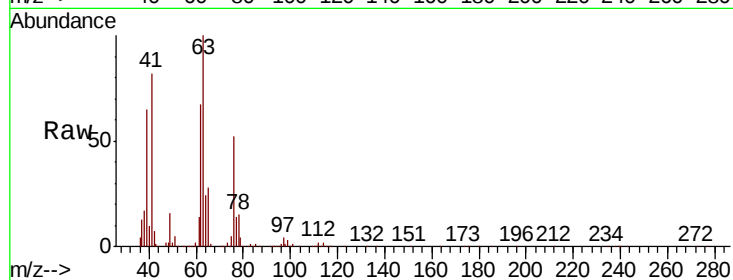
Tot Ion: 63 Resp: 966380

Ion Ratio Lower Upper

63 100

41 81.6 64.4 96.6

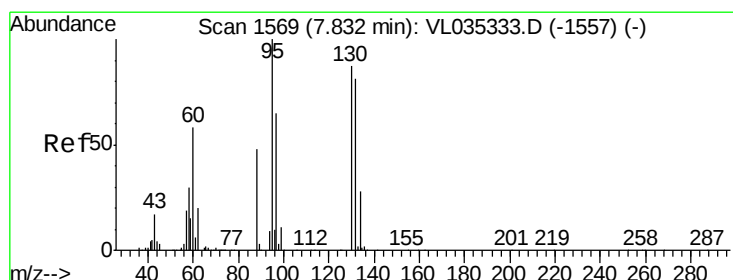
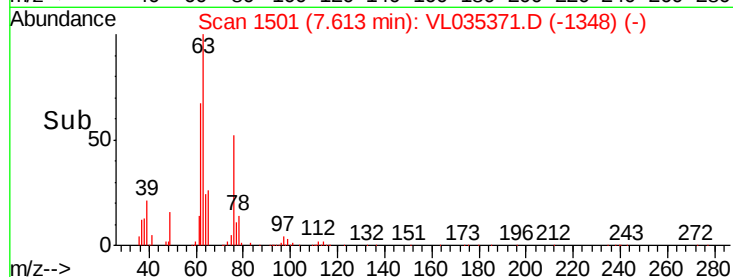
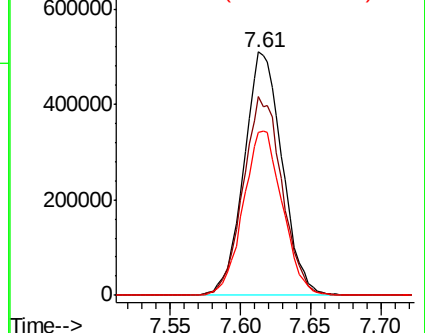
62 67.2 52.6 78.8



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 10.354 ppbv

RT: 7.83 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

Tgt Ion: 88 Resp: 399328

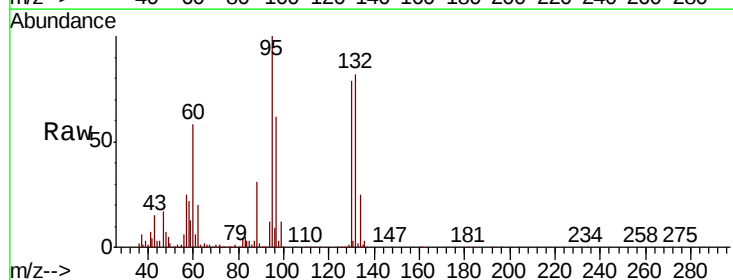
Ion Ratio Lower Upper

88 100

58 129.5 96.7 145.1

43 253.8 190.7 286.1

57 1099.7 834.1 1251.1

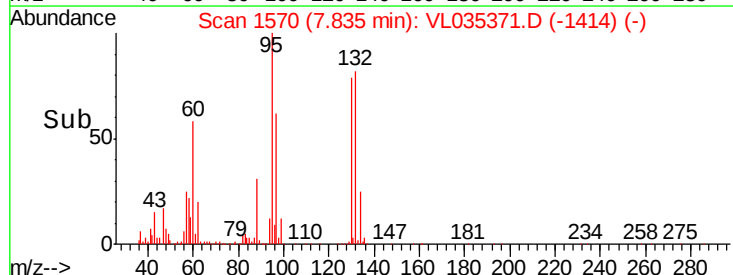
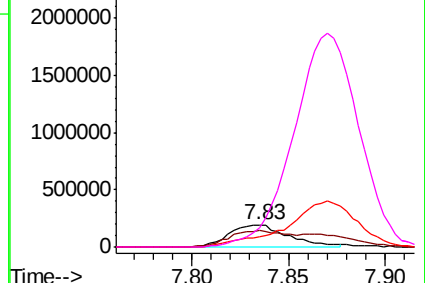


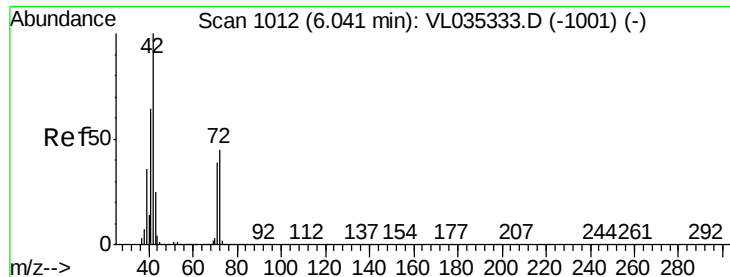
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 11.564 ppbv

RT: 6.03 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

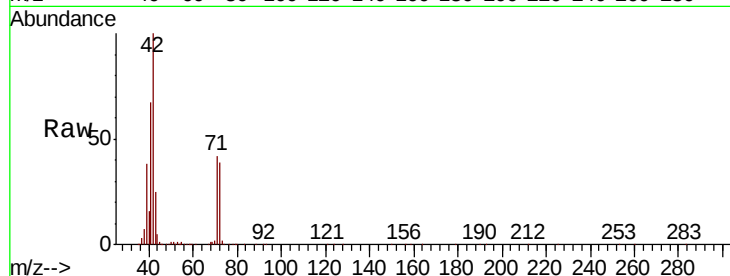
Tot Ion: 42 Resp: 920543

Ion Ratio Lower Upper

42 100

72 43.1 33.6 50.4

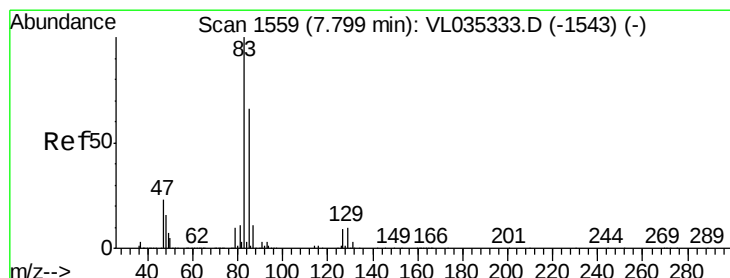
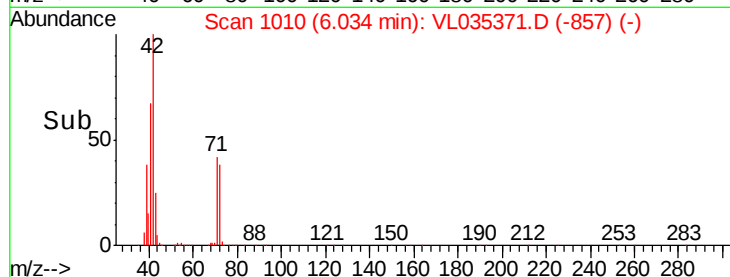
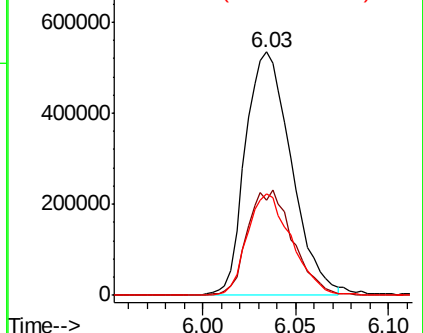
71 40.7 33.1 49.7



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: 10.824 ppbv

RT: 7.80 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

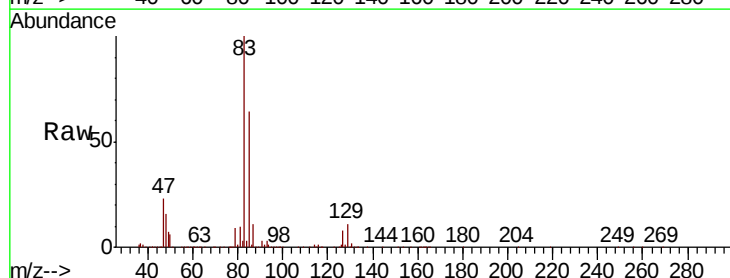
Tgt Ion: 83 Resp: 2258941

Ion Ratio Lower Upper

83 100

85 64.1 53.1 79.7

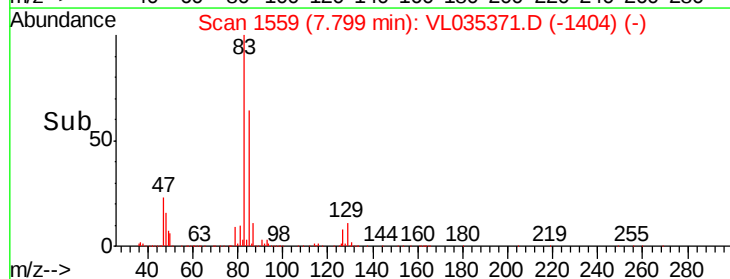
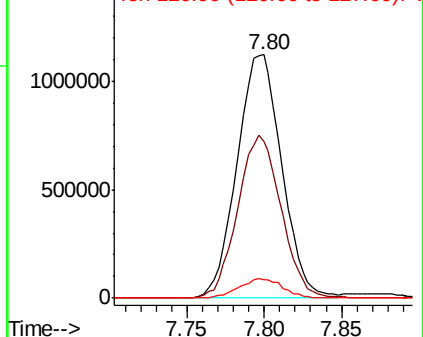
127 7.8 6.8 10.2

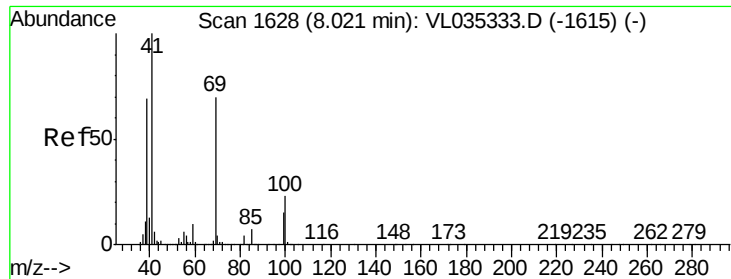


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

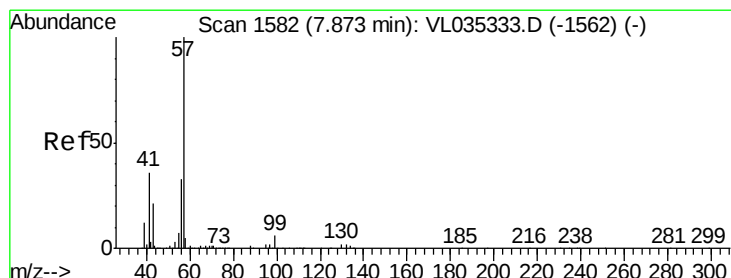
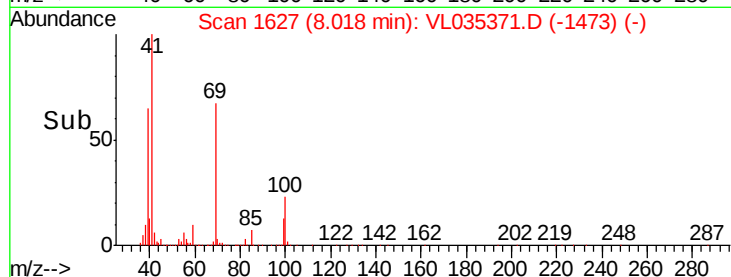
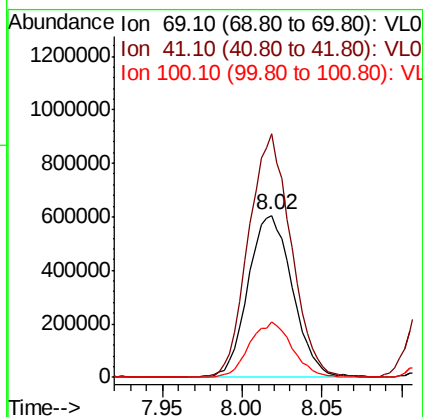
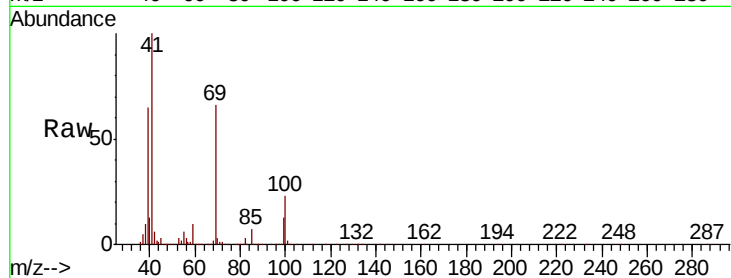




#43
Methvl Methacrvlate
Concen: 12.255 ppbv
RT: 8.02 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VL035371.D
Acq: 10 Aug 2020 9:56

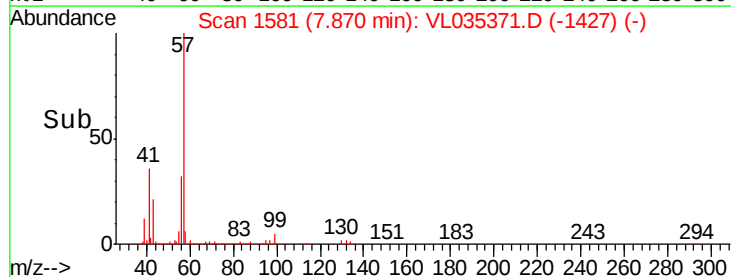
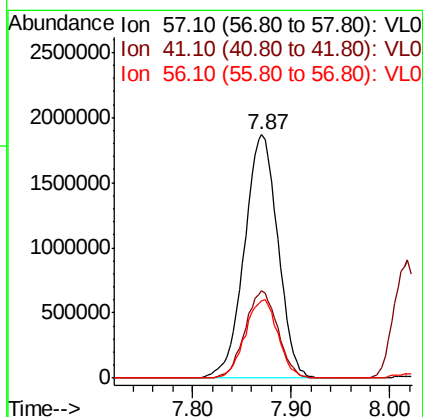
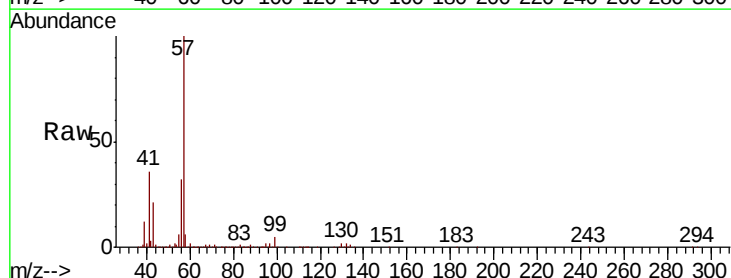
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

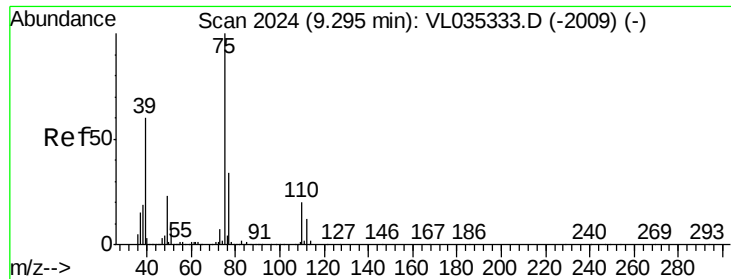
Tot Ion: 69 Resp: 1146942
Ion Ratio Lower Upper
69 100
41 144.8 115.8 173.6
100 32.8 26.7 40.1



#44
2,2,4-Trimethylpentane
Concen: 11.089 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VL035371.D
Acq: 10 Aug 2020 9:56

Tgt Ion: 57 Resp: 4382618
Ion Ratio Lower Upper
57 100
41 35.0 27.9 41.9
56 31.5 25.4 38.0

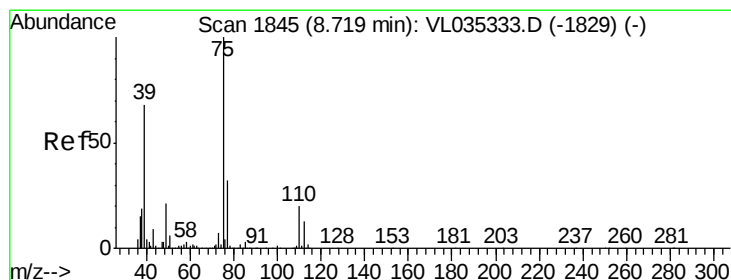
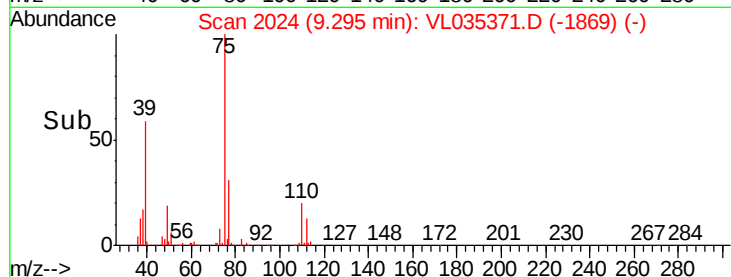
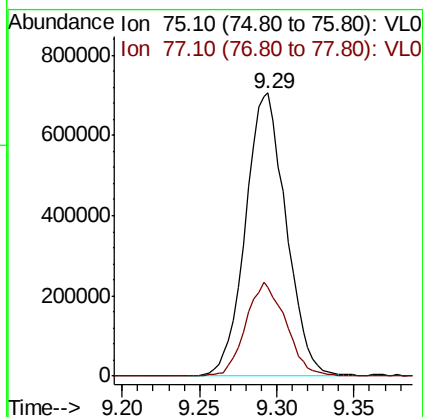
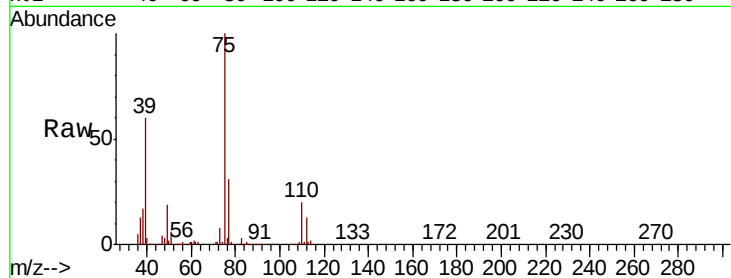




#45
t-1,3-Dichloropropene
Concen: 13.293 ppbv
RT: 9.29 min Scan# 2024
Delta R.T. -0.00 min
Lab File: VL035371.D
Acq: 10 Aug 2020 9:56

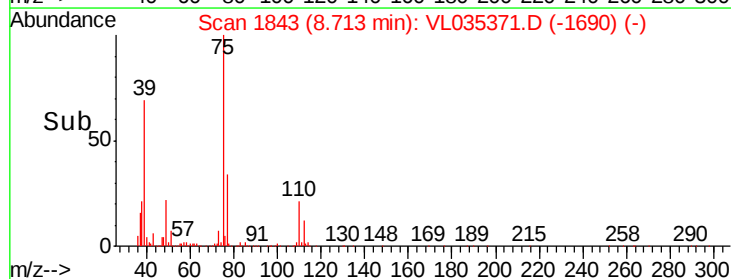
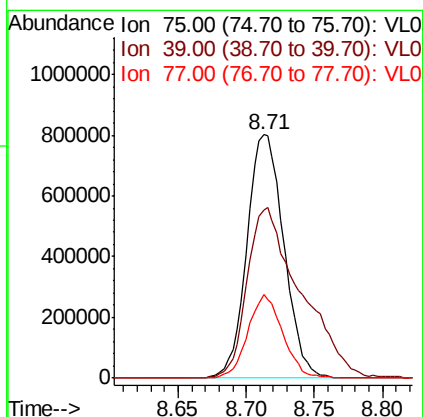
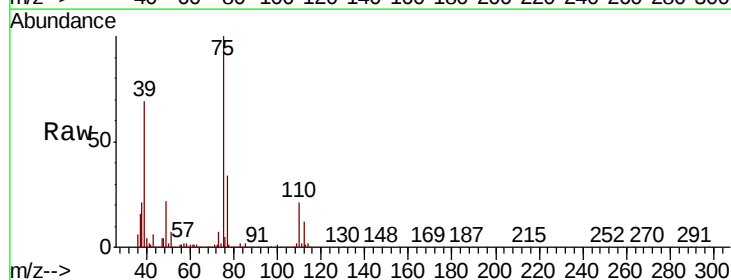
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

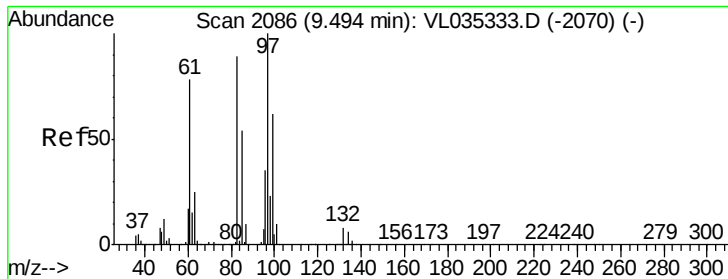
Tot Ion: 75 Resp: 1290539
Ion Ratio Lower Upper
75 100
77 31.5 27.0 40.6



#46
cis-1,3-Dichloropropene
Concen: 12.858 ppbv
RT: 8.71 min Scan# 1843
Delta R.T. -0.01 min
Lab File: VL035371.D
Acq: 10 Aug 2020 9:56

Tgt Ion: 75 Resp: 1507566
Ion Ratio Lower Upper
75 100
39 69.1 54.2 81.2
77 34.1 25.4 38.2



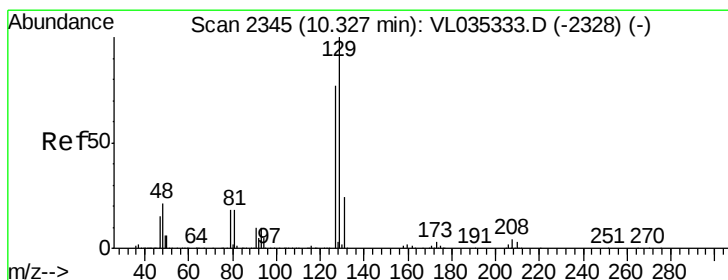
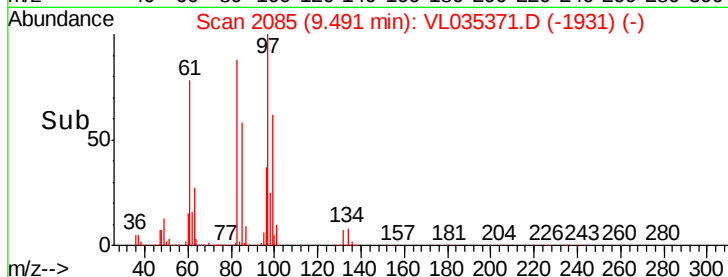
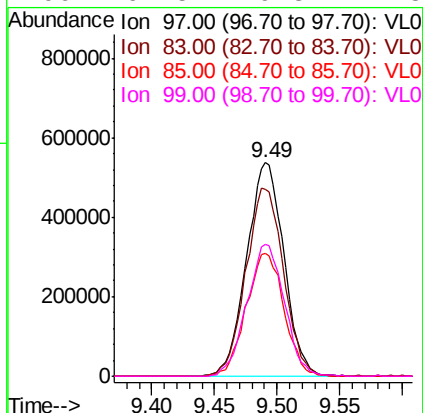
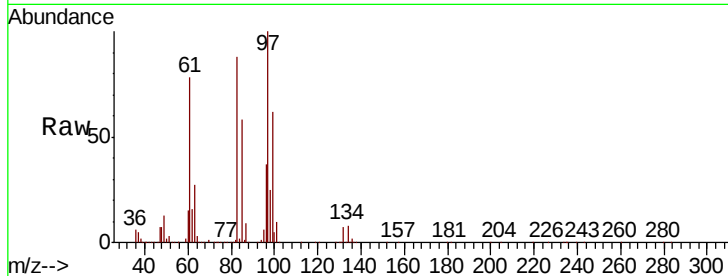


#47
 1,1,2-Trichloroethane
 Concen: 10.253 ppbv
 RT: 9.49 min Scan# 2085
 Delta R.T. -0.00 min
 Lab File: VL035371.D
 Acq: 10 Aug 2020 9:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 97 Resp: 1110187

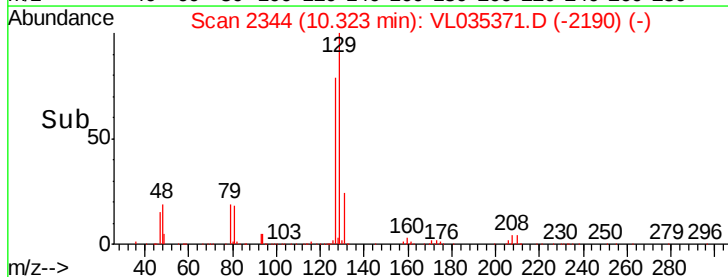
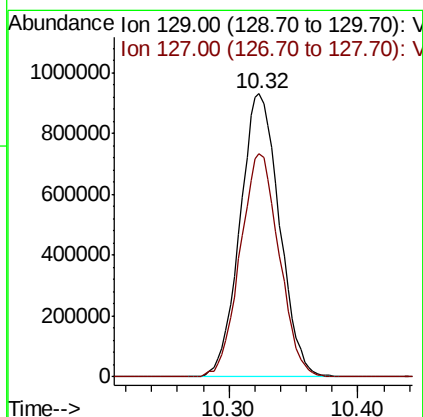
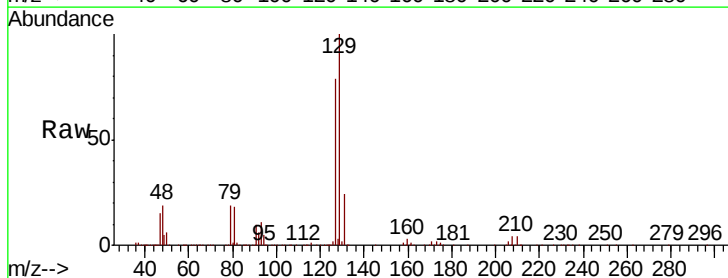
Ion	Ratio	Lower	Upper
97	100		
83	87.5	71.3	106.9
85	57.5	43.3	64.9
99	61.5	49.8	74.8

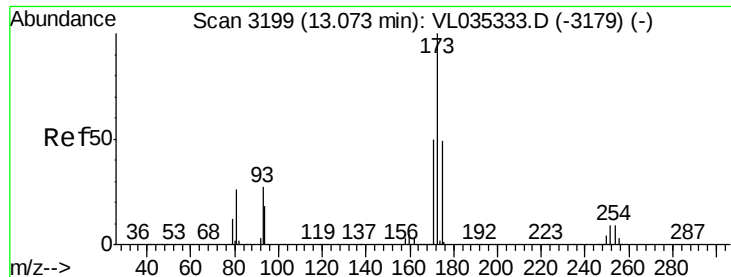


#48
 Dibromochloromethane
 Concen: 11.188 ppbv
 RT: 10.32 min Scan# 2344
 Delta R.T. -0.00 min
 Lab File: VL035371.D
 Acq: 10 Aug 2020 9:56

Tgt Ion: 129 Resp: 1984444

Ion	Ratio	Lower	Upper
129	100		
127	77.9	39.1	117.2





#49

Bromoform

Concen: 11.343 ppbv

RT: 13.07 min Scan# 3199

Delta R.T. -0.00 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

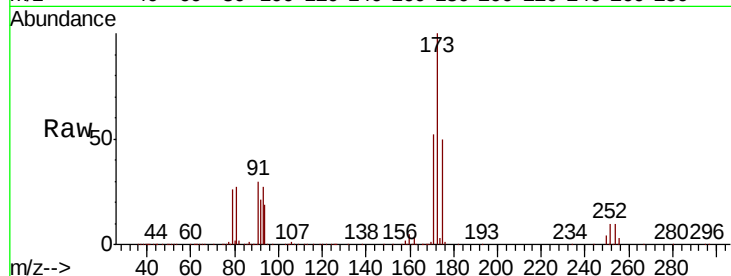
Tot Ion:173 Resp: 1833352

Ion Ratio Lower Upper

173 100

175 48.8 39.3 58.9

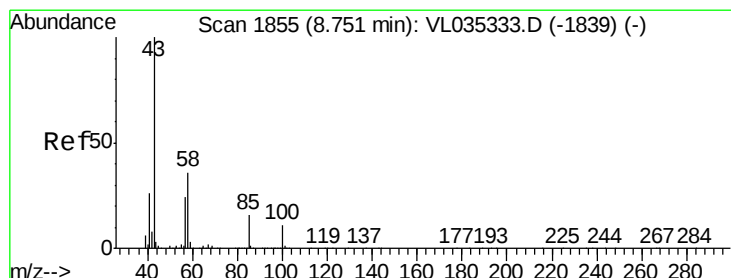
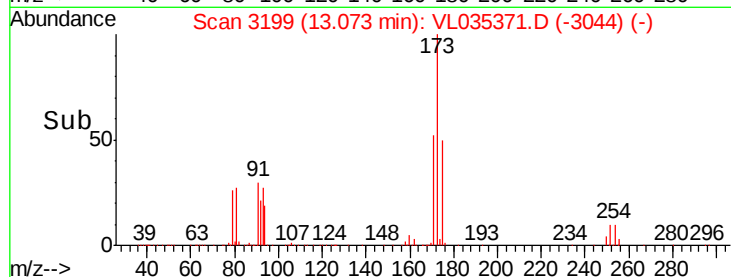
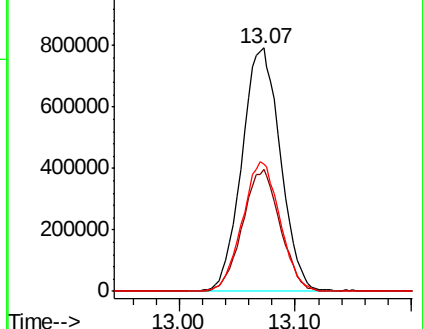
171 51.9 41.2 61.8



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: 11.192 ppbv

RT: 8.74 min Scan# 1853

Delta R.T. -0.01 min

Lab File: VL035371.D

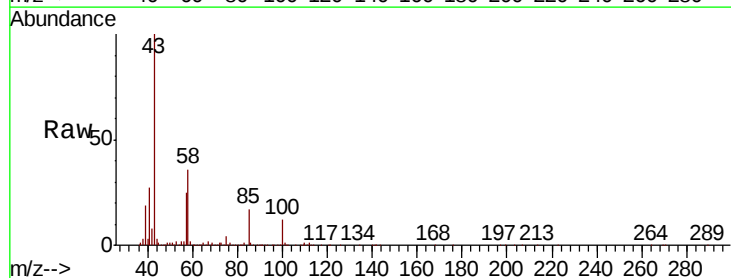
Acq: 10 Aug 2020 9:56

Tgt Ion: 43 Resp: 2771849

Ion Ratio Lower Upper

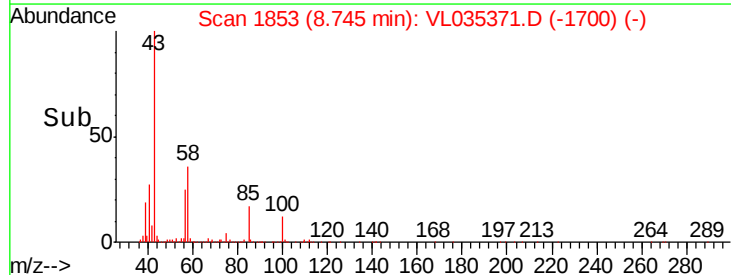
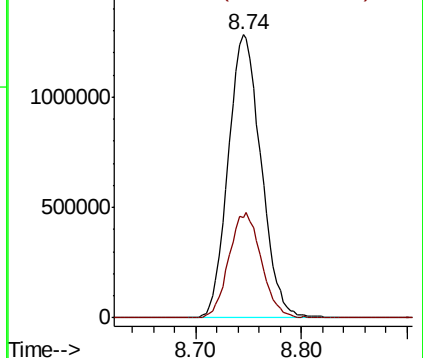
43 100

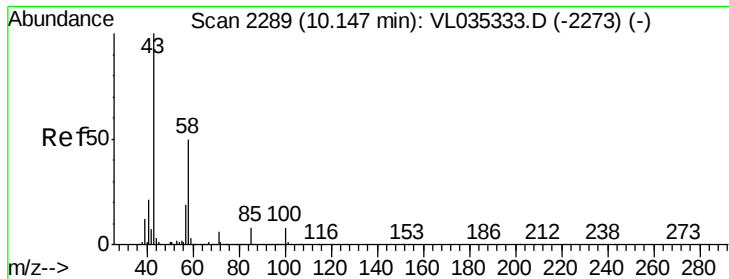
58 36.9 29.2 43.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

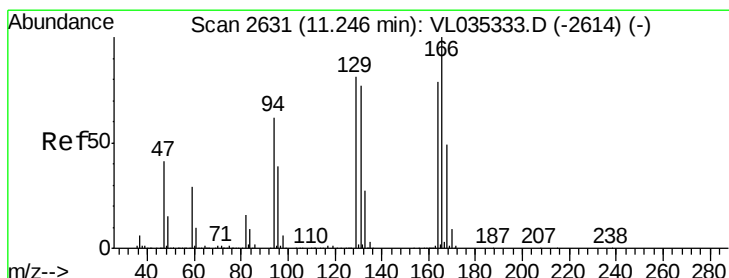
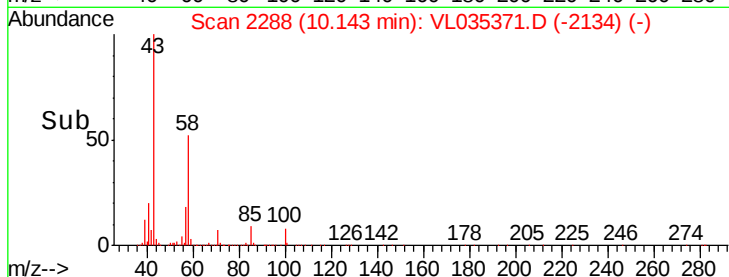
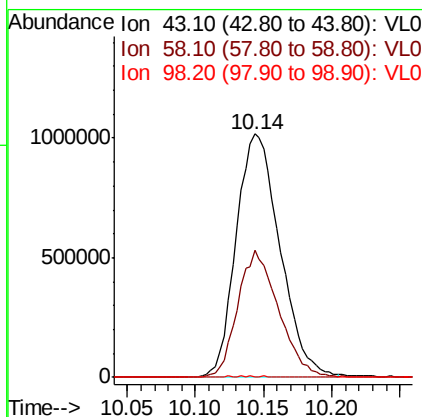
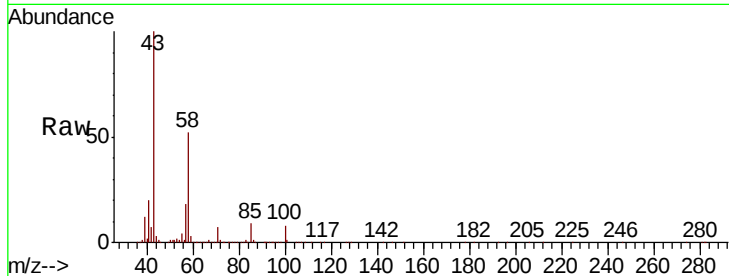




#51
2-Hexanone
Concen: 11.687 ppbv
RT: 10.14 min Scan# 2288
Delta R.T. -0.00 min
Lab File: VL035371.D
Acq: 10 Aug 2020 9:56

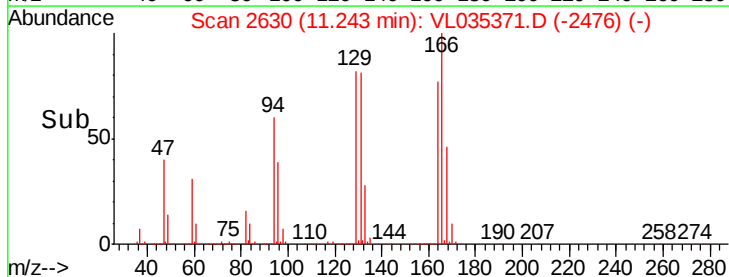
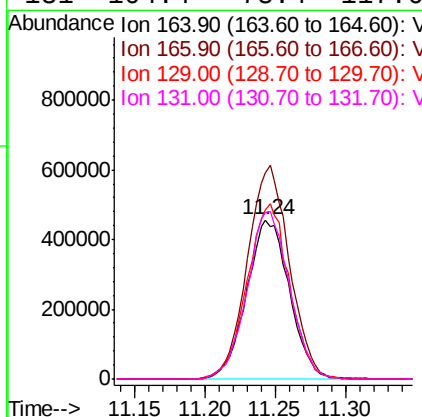
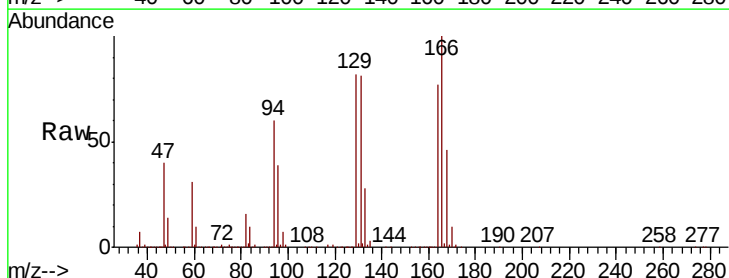
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

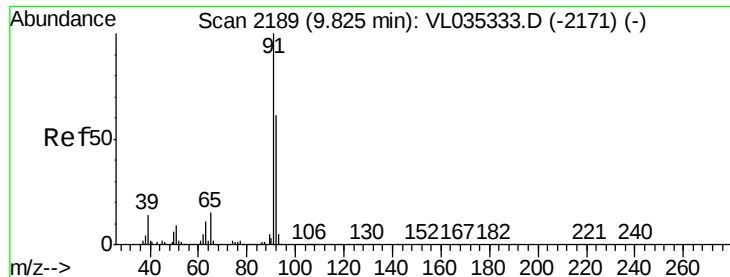
Tot Ion: 43 Resp: 2269218
Ion Ratio Lower Upper
43 100
58 48.8 39.4 59.2
98 0.6 0.2 0.4#



#52
Tetrachloroethene
Concen: 10.929 ppbv
RT: 11.24 min Scan# 2630
Delta R.T. -0.00 min
Lab File: VL035371.D
Acq: 10 Aug 2020 9:56

Tgt Ion: 164 Resp: 963913
Ion Ratio Lower Upper
164 100
166 129.1 101.4 152.0
129 106.3 82.1 123.1
131 104.4 78.4 117.6





#53

Toluene

Concen: 12.499 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. -0.01 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

Instrument :

MSVOA_L

ClientSampleId :

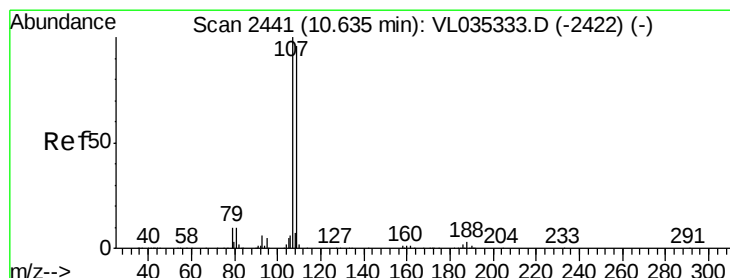
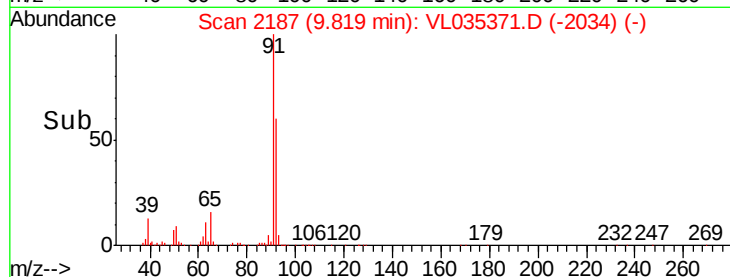
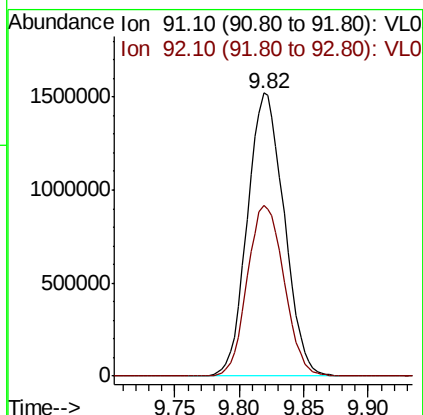
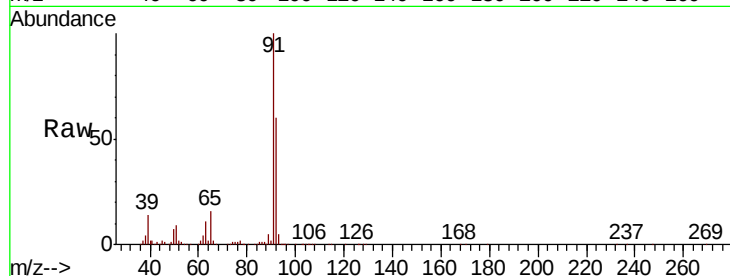
VSTDCCC010

Tot Ion: 91 Resp: 3024850

Ion Ratio Lower Upper

91 100

92 60.4 48.5 72.7



#54

1,2-Dibromoethane

Concen: 11.198 ppbv

RT: 10.63 min Scan# 2439

Delta R.T. -0.01 min

Lab File: VL035371.D

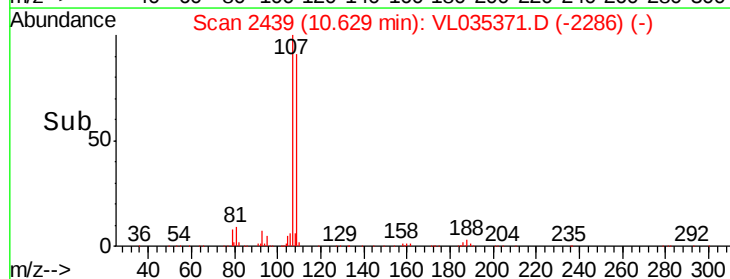
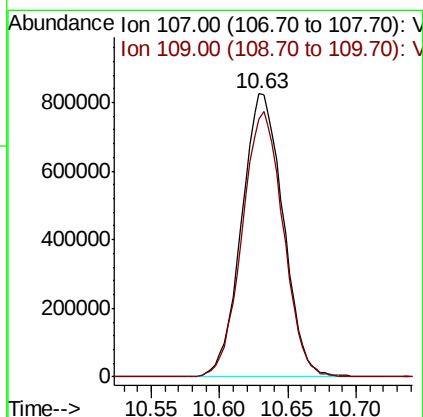
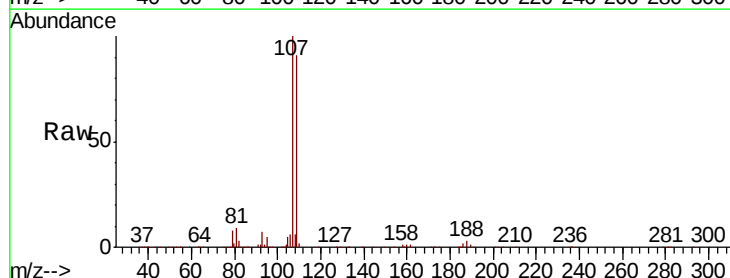
Acq: 10 Aug 2020 9:56

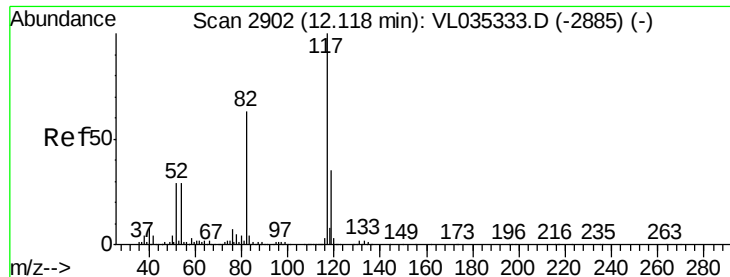
Tgt Ion: 107 Resp: 1739596

Ion Ratio Lower Upper

107 100

109 90.8 76.8 115.2





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2899

Delta R.T. -0.01 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

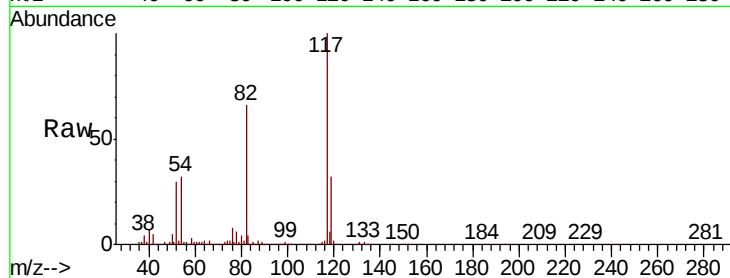
Tot Ion:117 Resp: 3323040

Ion Ratio Lower Upper

117 100

82 64.7 51.0 76.4

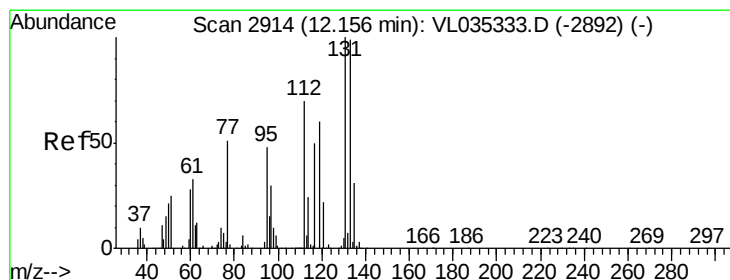
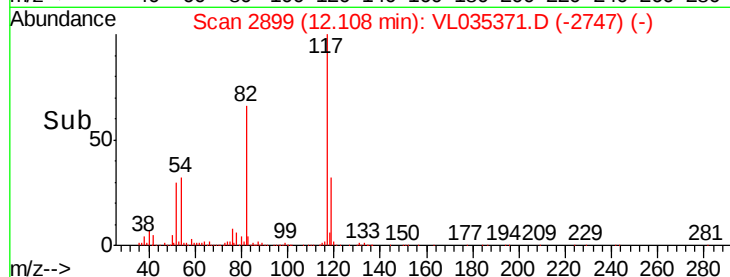
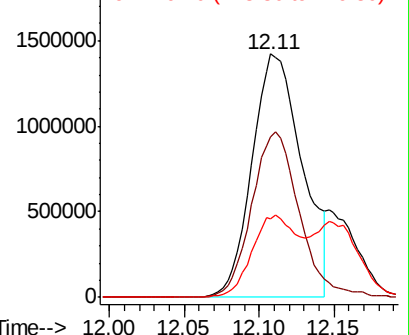
119 28.7 24.7 37.1



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 9.768 ppbv

RT: 12.15 min Scan# 2913

Delta R.T. -0.00 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

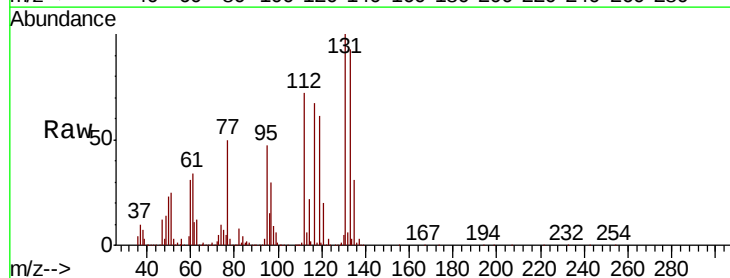
Tgt Ion:131 Resp: 1532207

Ion Ratio Lower Upper

131 100

133 96.0 75.4 113.2

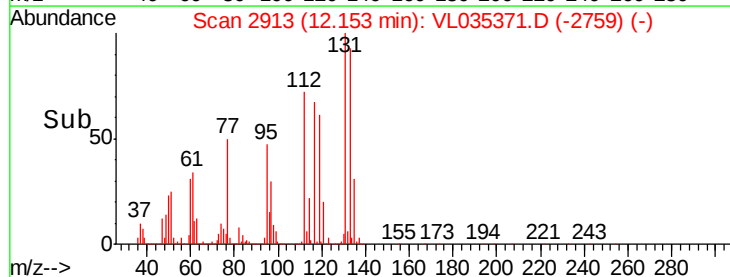
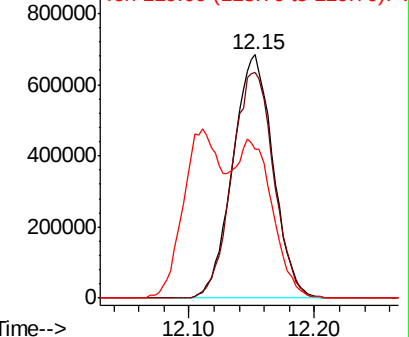
119 61.9 43.7 65.5

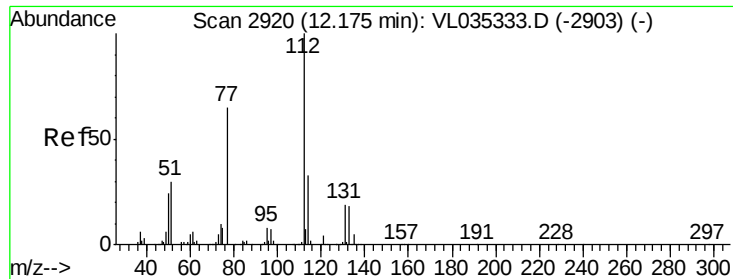


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 9.993 ppbv

RT: 12.17 min Scan# 2919

Delta R.T. -0.00 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

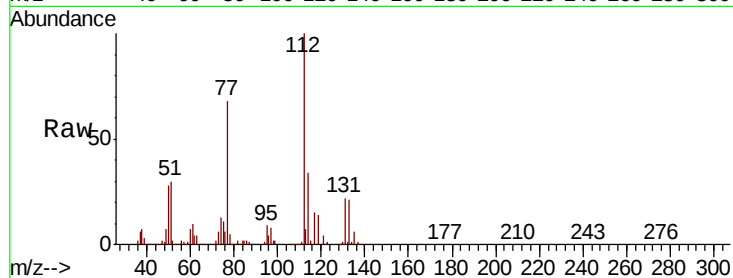
Tot Ion:112 Resp: 2500435

Ion Ratio Lower Upper

112 100

77 67.9 53.3 79.9

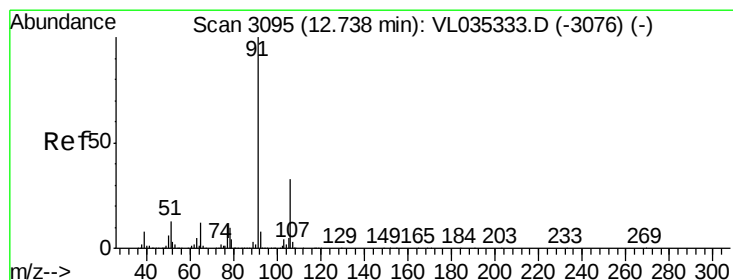
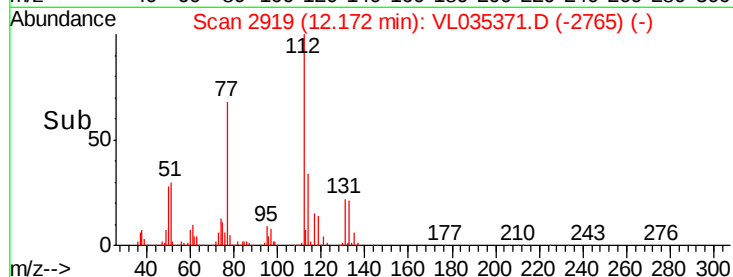
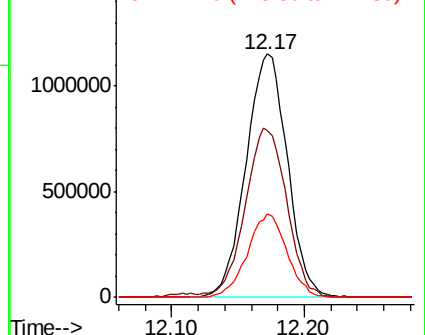
114 34.3 29.8 36.4



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: 11.987 ppbv

RT: 12.73 min Scan# 3094

Delta R.T. -0.00 min

Lab File: VL035371.D

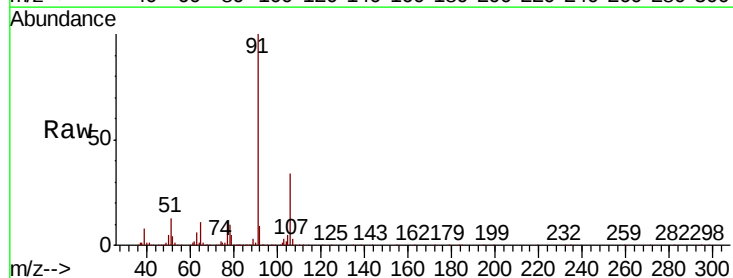
Acq: 10 Aug 2020 9:56

Tgt Ion: 91 Resp: 4144948

Ion Ratio Lower Upper

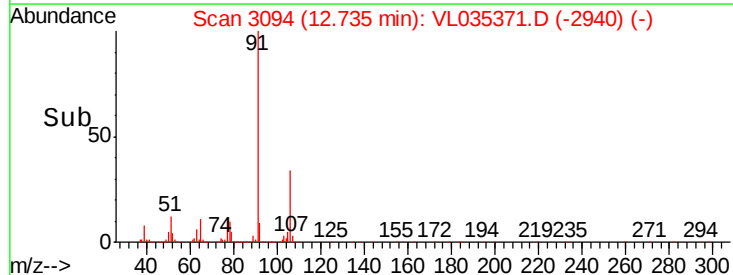
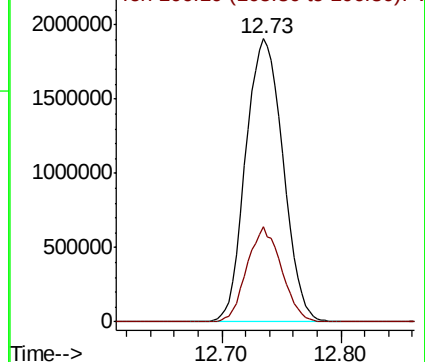
91 100

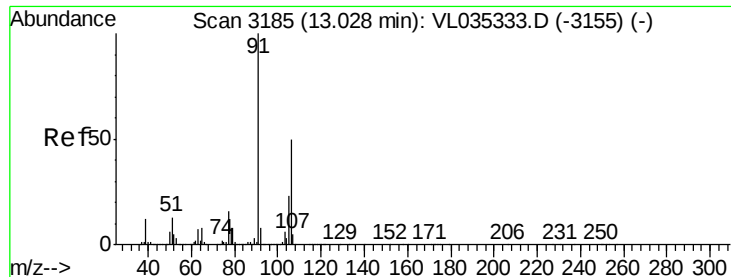
106 33.5 26.8 40.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 12.120 ppbv

RT: 13.02 min Scan# 3184

Delta R.T. -0.00 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

Instrument :

MSVOA_L

ClientSampleId :

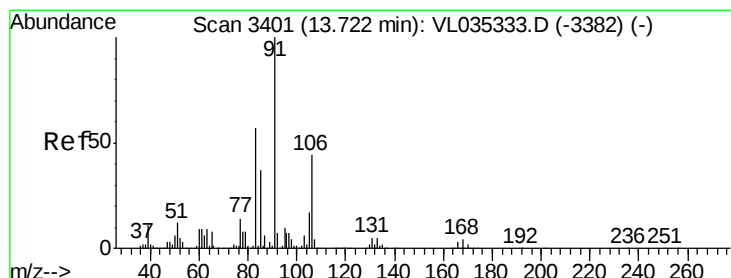
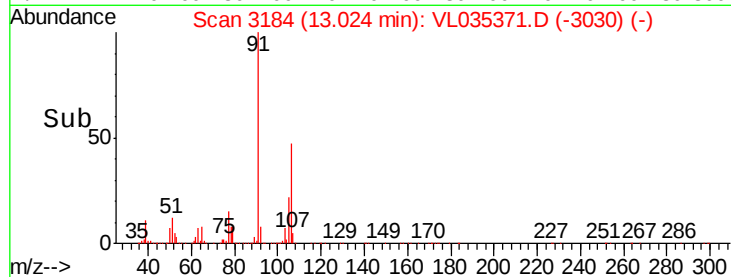
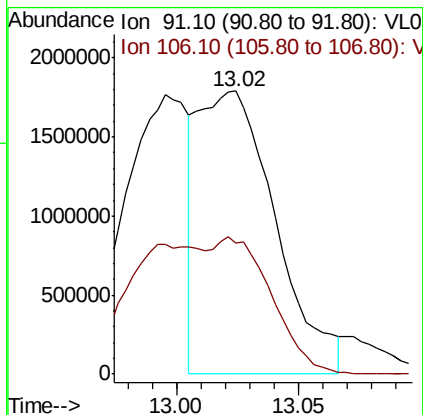
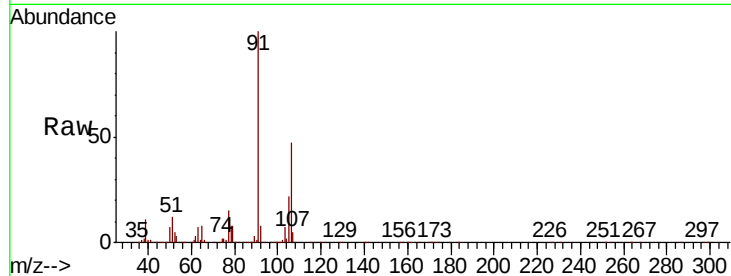
VSTDCCC010

Tot Ion: 91 Resp: 3902294

Ion Ratio Lower Upper

91 100

106 84.8 37.8 56.8#



#60

o-Xylene

Concen: 11.171 ppbv

RT: 13.72 min Scan# 3400

Delta R.T. -0.00 min

Lab File: VL035371.D

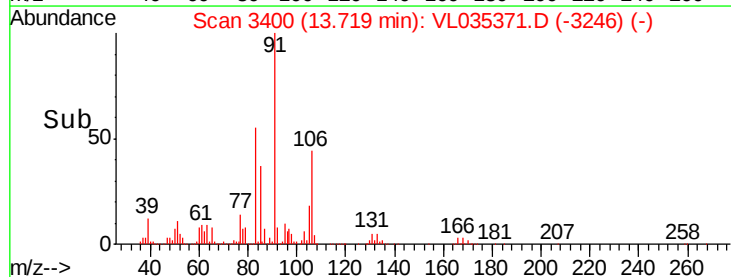
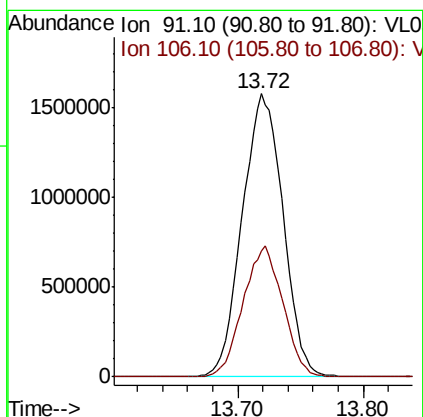
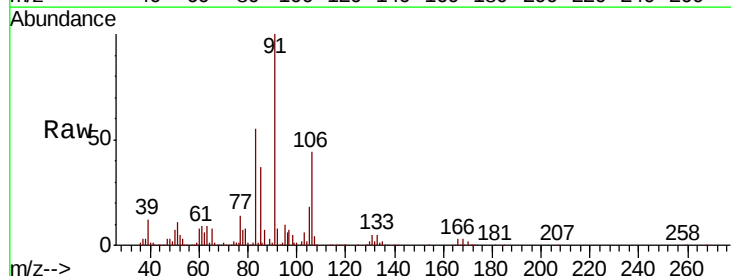
Acq: 10 Aug 2020 9:56

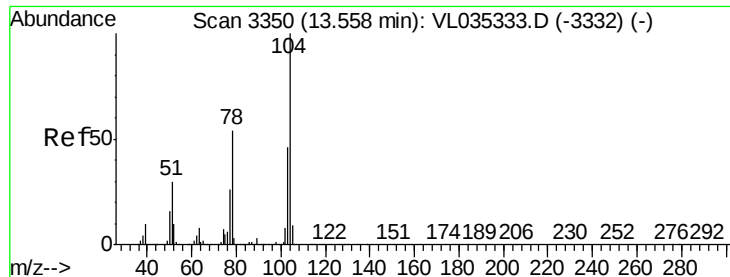
Tgt Ion: 91 Resp: 3569128

Ion Ratio Lower Upper

91 100

106 45.0 22.7 68.0





#61

Stvrene

Concen: 12.956 ppbv

RT: 13.55 min Scan# 3349

Delta R.T. -0.00 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

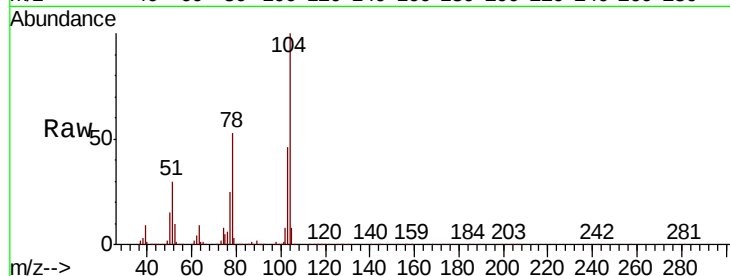
Tot Ion:104 Resp: 2528201

Ion Ratio Lower Upper

104 100

78 54.3 42.6 63.8

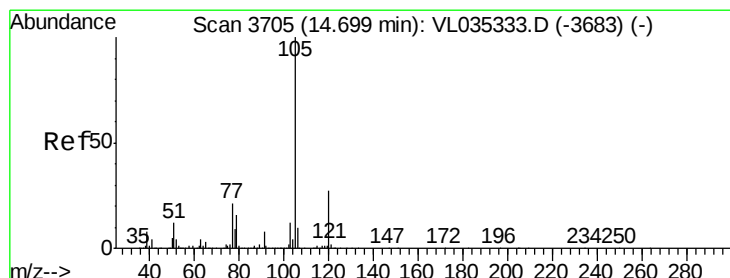
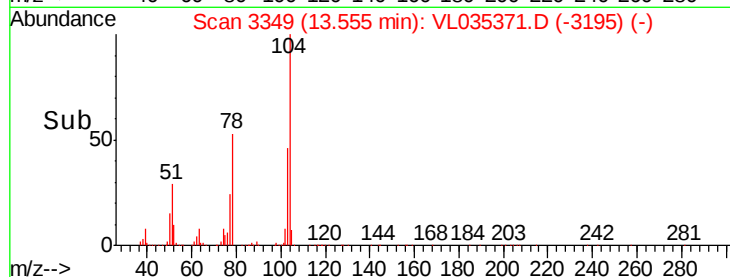
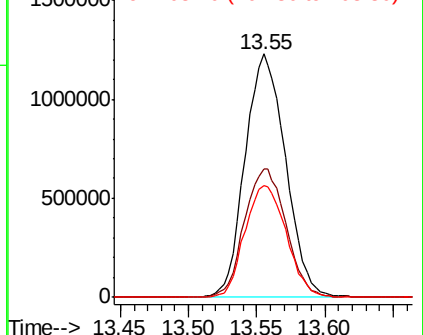
103 47.2 38.1 57.1



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: 11.048 ppbv

RT: 14.70 min Scan# 3704

Delta R.T. -0.00 min

Lab File: VL035371.D

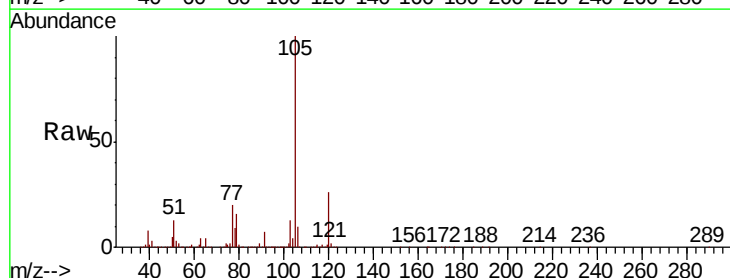
Acq: 10 Aug 2020 9:56

Tgt Ion:105 Resp: 5314866

Ion Ratio Lower Upper

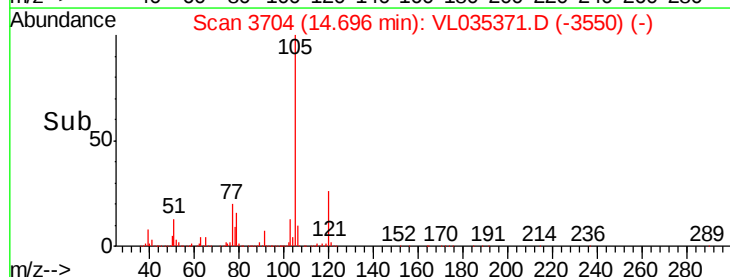
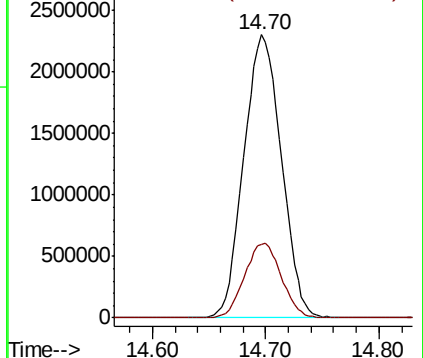
105 100

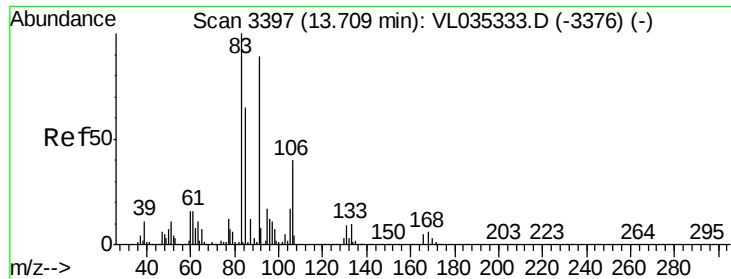
120 25.8 21.1 31.7



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: 9.473 ppbv

RT: 13.71 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

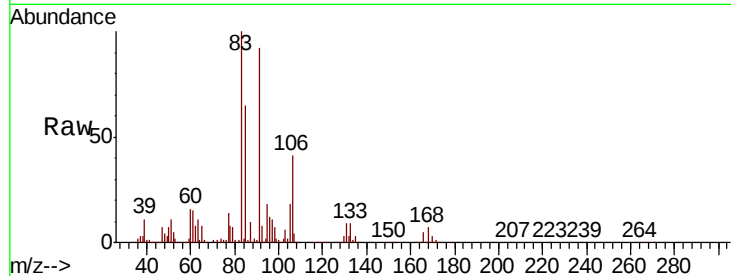
Tot Ion: 83 Resp: 2582036

Ion	Ratio	Lower	Upper
83	100		
131	9.8	5.0	14.9
85	65.9	32.6	98.0

83 100

131 9.8 5.0 14.9

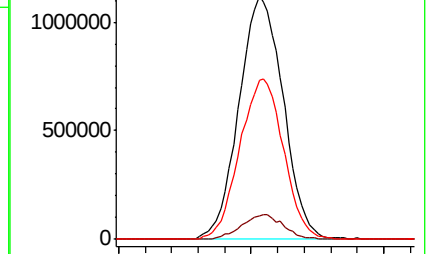
85 65.9 32.6 98.0



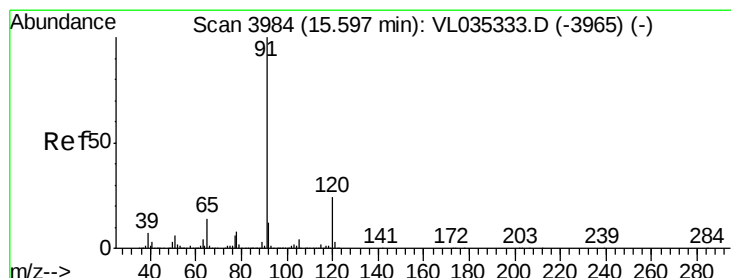
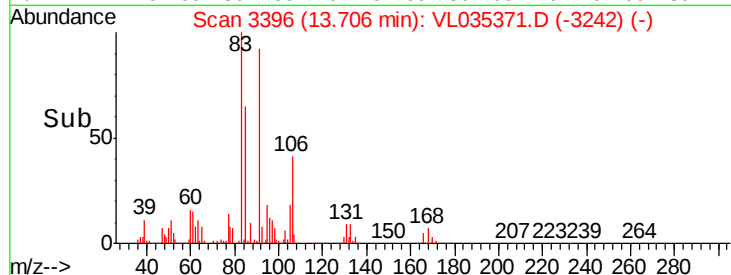
Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



Time--> 13.60 13.70 13.80



#64

n-propylbenzene

Concen: 11.296 ppbv

RT: 15.59 min Scan# 3983

Delta R.T. -0.00 min

Lab File: VL035371.D

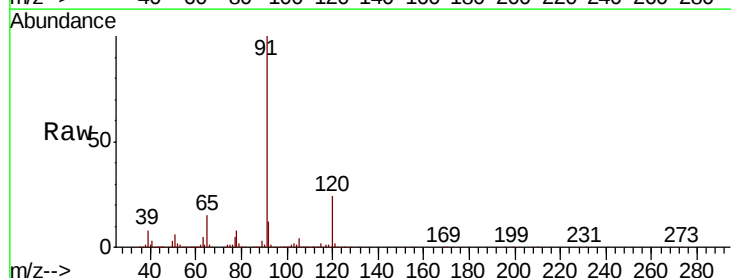
Acq: 10 Aug 2020 9:56

Tgt Ion: 120 Resp: 1460432

Ion	Ratio	Lower	Upper
120	100		
91	442.4	357.2	535.8

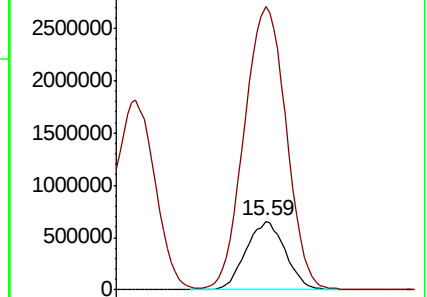
120 100

91 442.4 357.2 535.8

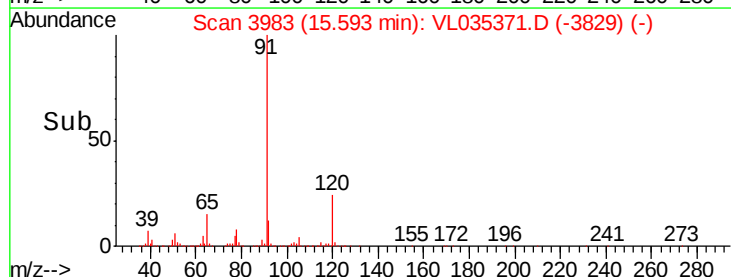


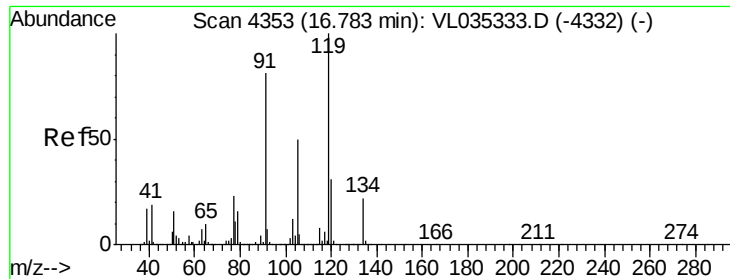
Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0



Time--> 15.50 15.60





#65

tert-Butylbenzene

Concen: 11.037 ppbv

RT: 16.78 min Scan# 4352

Delta R.T. -0.00 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

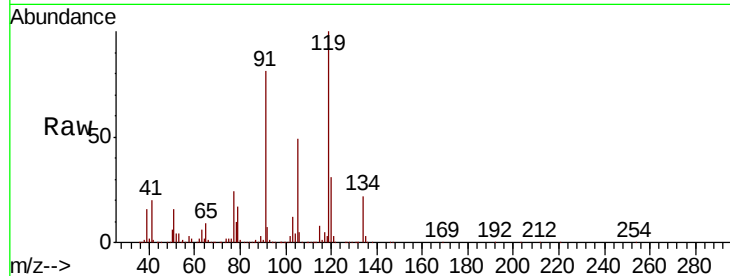
Tot Ion:119 Resp: 4862399

Ion Ratio Lower Upper

119 100

91 83.7 66.3 99.5

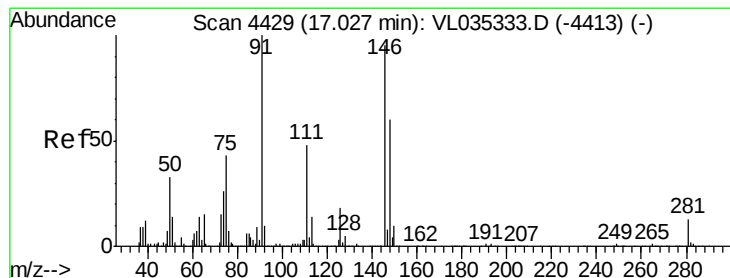
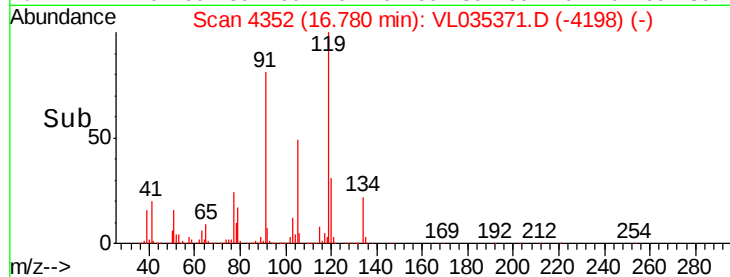
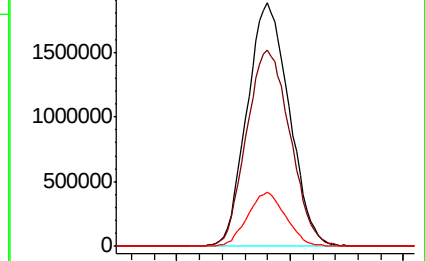
134 20.3 16.2 24.2



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 11.817 ppbv

RT: 17.02 min Scan# 4428

Delta R.T. -0.00 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

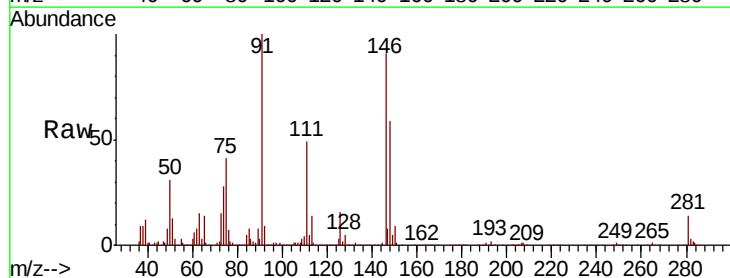
Tgt Ion: 91 Resp: 2060402

Ion Ratio Lower Upper

91 100

126 16.9 14.1 21.1

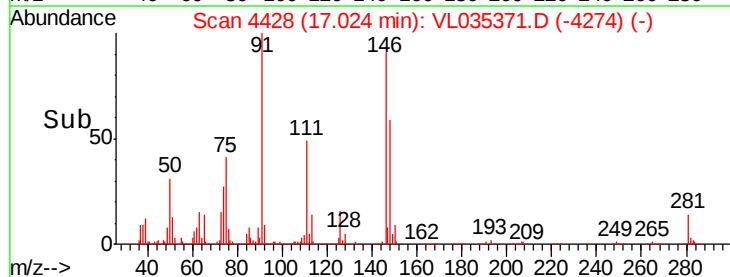
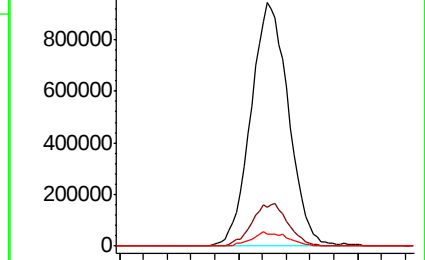
128 5.5 4.5 6.7

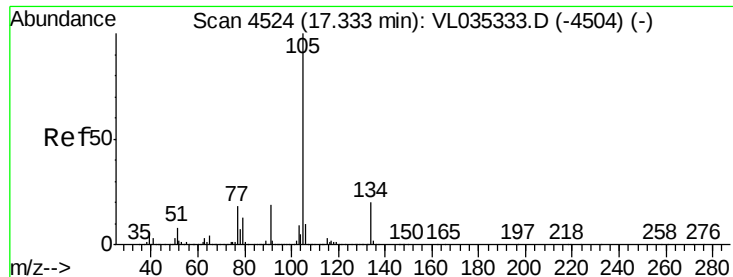


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 10.873 ppbv

RT: 17.33 min Scan# 4524

Delta R.T. -0.00 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

Instrument :

MSVOA_L

ClientSampleId :

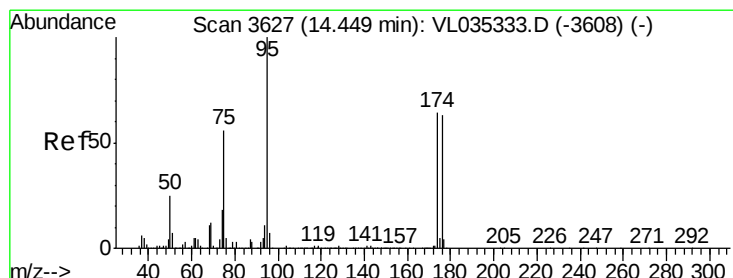
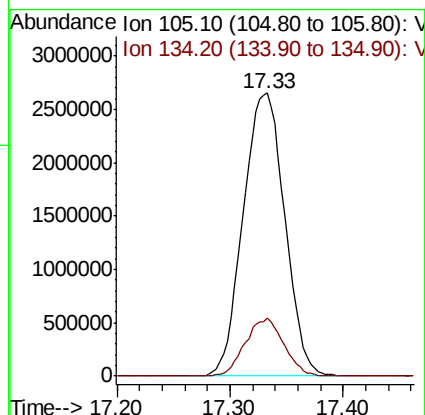
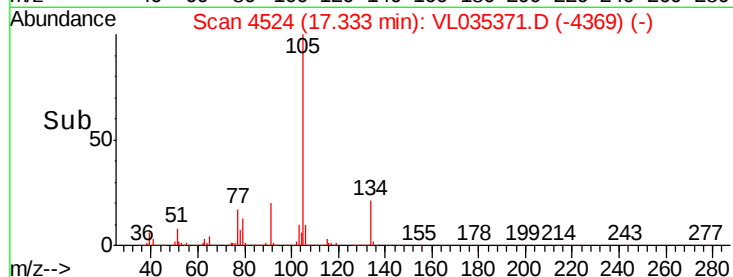
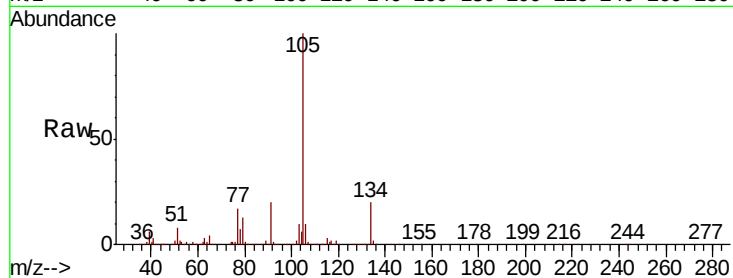
VSTDCCC010

Tot Ion:105 Resp: 6775063

Ion Ratio Lower Upper

105 100

134 19.1 15.4 23.2



#68

1-Bromo-4-Fluorobenzene

Concen: 9.809 ppbv

RT: 14.45 min Scan# 3626

Delta R.T. -0.00 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

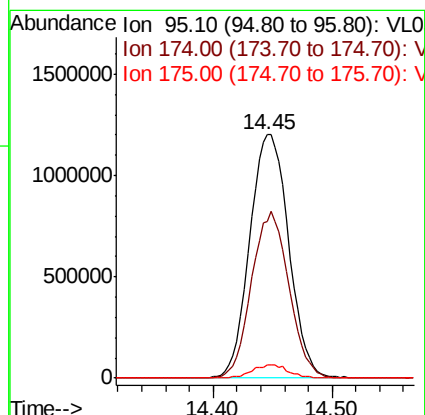
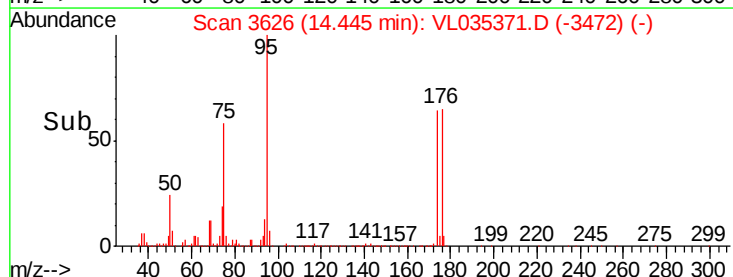
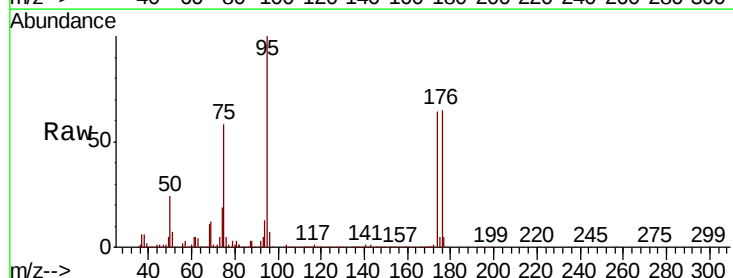
Tgt Ion: 95 Resp: 2718144

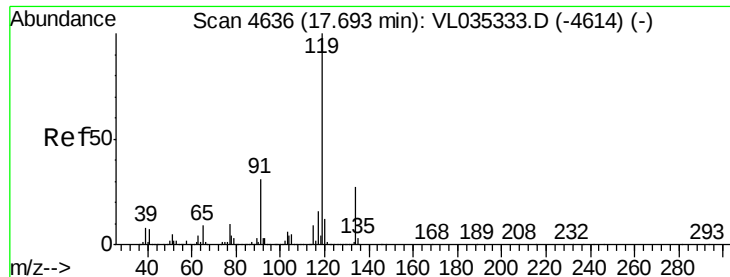
Ion Ratio Lower Upper

95 100

174 65.8 53.5 80.3

175 5.1 4.2 6.2





#69

p-Isopropyltoluene

Concen: 11.398 ppbv

RT: 17.69 min Scan# 4636

Delta R.T. -0.00 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

Instrument :

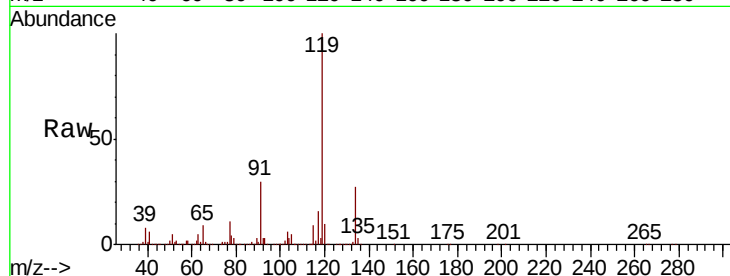
MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:119 Resp: 5790203

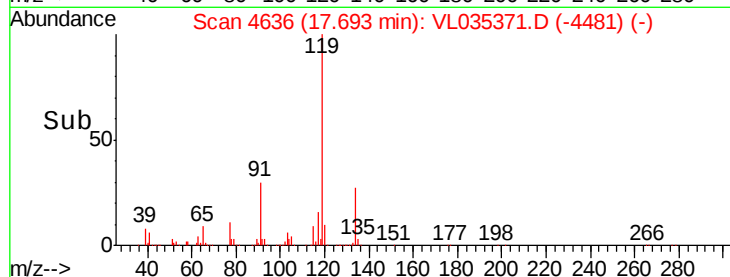
Ion	Ratio	Lower	Upper
119	100		
134	26.2	21.1	31.7
91	31.1	24.5	36.7



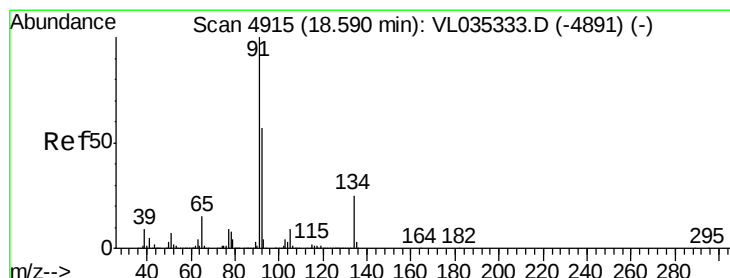
Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



Time-->



#70

n-Butylbenzene

Concen: 11.011 ppbv

RT: 18.59 min Scan# 4914

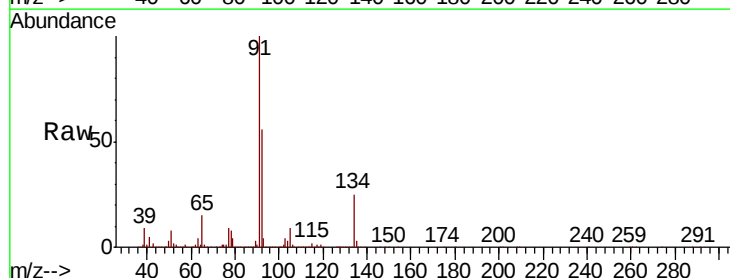
Delta R.T. -0.00 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

Tgt Ion: 91 Resp: 5983371

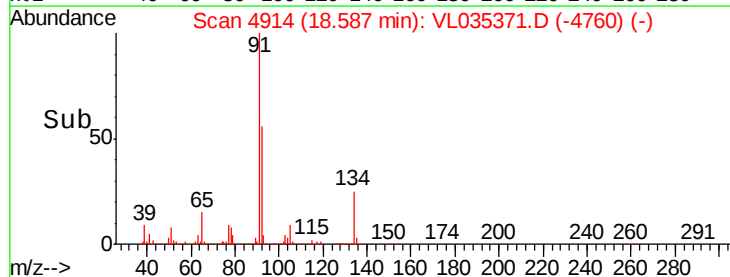
Ion	Ratio	Lower	Upper
91	100		
92	55.4	44.2	66.2
134	23.5	19.0	28.6



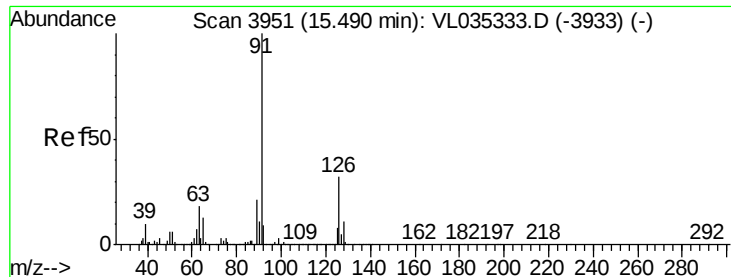
Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V



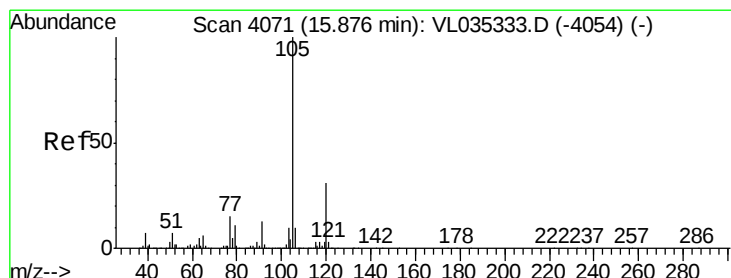
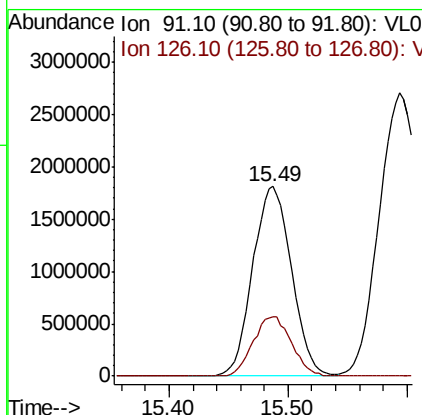
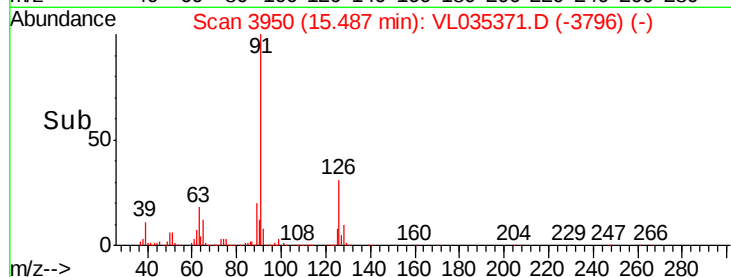
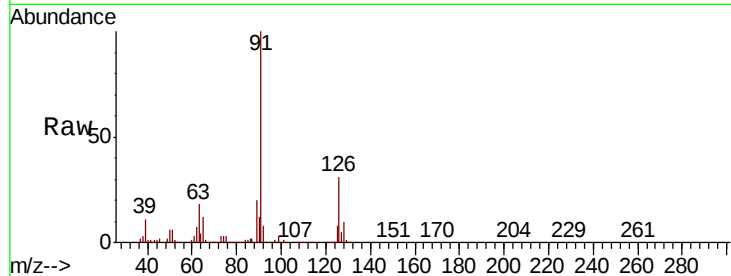
Time-->



#71
 2-Chlorotoluene
 Concen: 11.643 ppbv
 RT: 15.49 min Scan# 3950
 Delta R.T. -0.00 min
 Lab File: VL035371.D
 Acq: 10 Aug 2020 9:56

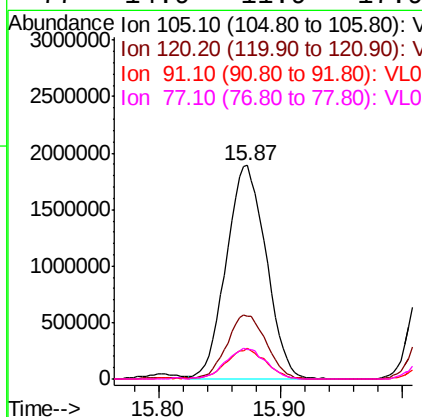
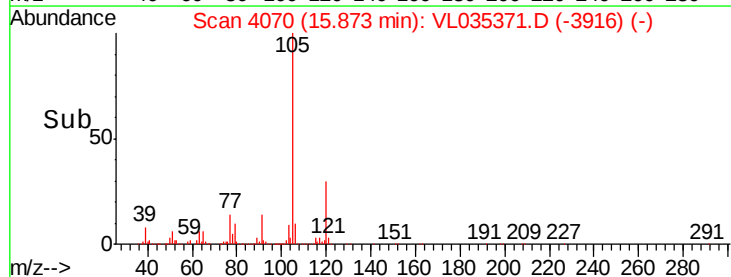
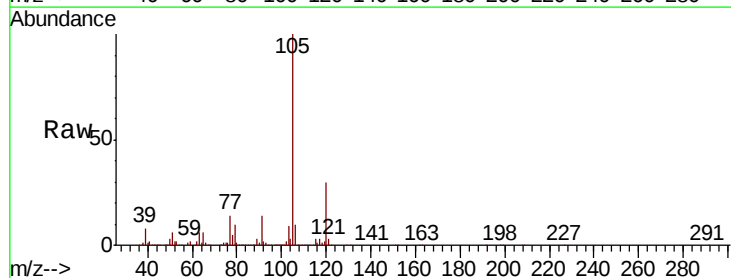
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

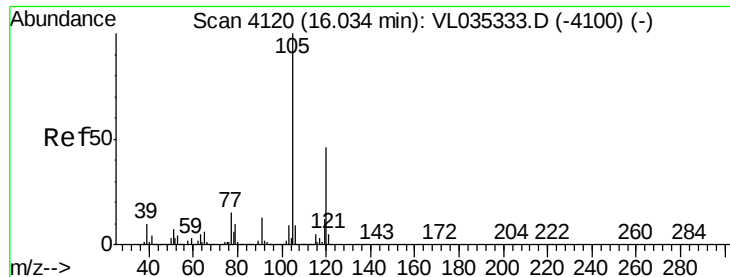
Tot Ion: 91 Resp: 4103193
 Ion Ratio Lower Upper
 91 100
 126 30.9 12.5 50.1



#72
 4-Ethyltoluene
 Concen: 11.791 ppbv
 RT: 15.87 min Scan# 4070
 Delta R.T. -0.00 min
 Lab File: VL035371.D
 Acq: 10 Aug 2020 9:56

Tgt Ion:105 Resp: 4295153
 Ion Ratio Lower Upper
 105 100
 120 30.5 24.0 36.0
 91 14.0 10.8 16.2
 77 14.9 11.9 17.9





#73

1,3,5-Trimethylbenzene

Concen: 11.604 ppbv

RT: 16.03 min Scan# 4119

Delta R.T. -0.00 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

Instrument :

MSVOA_L

ClientSampleId :

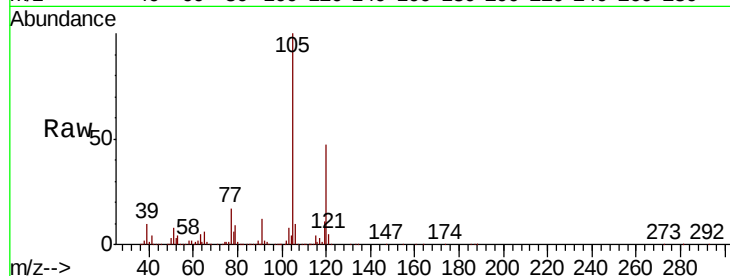
VSTDCCC010

Tot Ion:105 Resp: 4056388

Ion Ratio Lower Upper

105 100

120 47.5 36.9 55.3



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.03

2000000

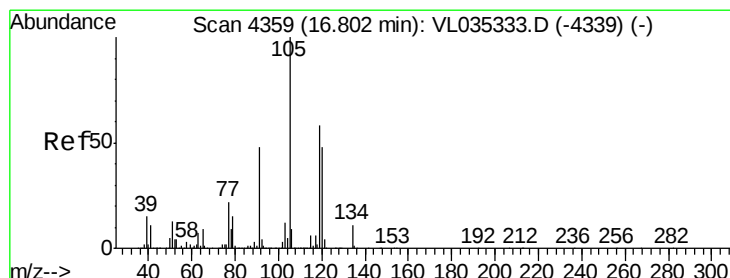
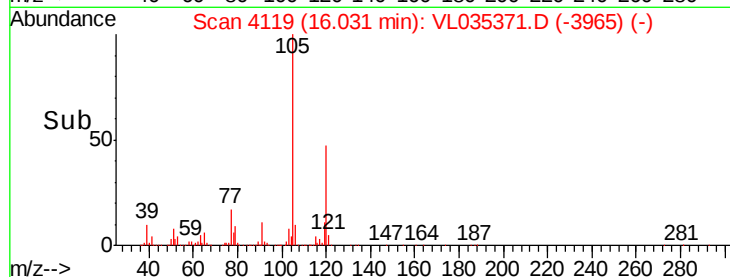
1500000

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 10.826 ppbv

RT: 16.80 min Scan# 4357

Delta R.T. -0.01 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

Tgt Ion:105 Resp: 4325017

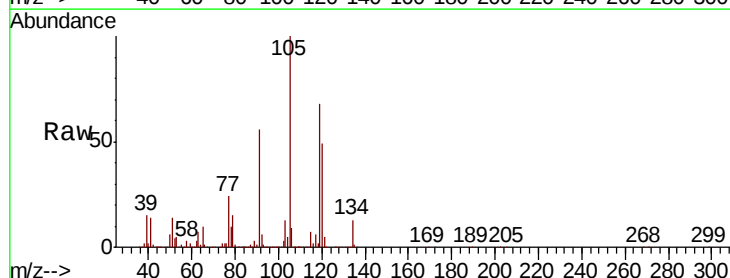
Ion Ratio Lower Upper

105 100

120 49.0 38.5 57.7

91 56.0 39.0 58.6

77 23.7 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

2500000

2000000

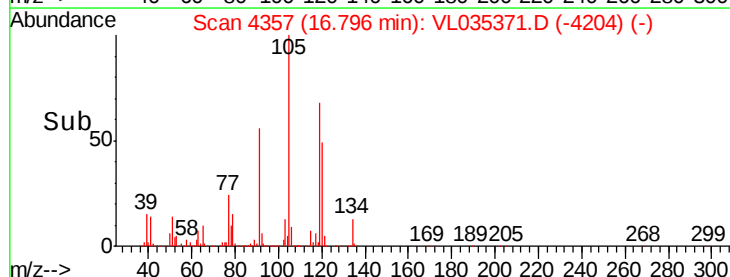
1500000

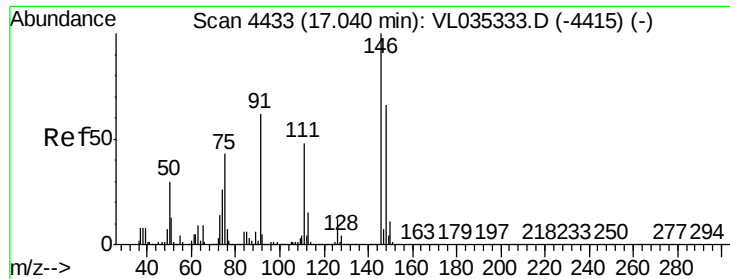
1000000

500000

0

Time-->





#75

1,3-Dichlorobenzene

Concen: 9.810 ppbv

RT: 17.04 min Scan# 4432

Delta R.T. -0.00 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

Instrument :

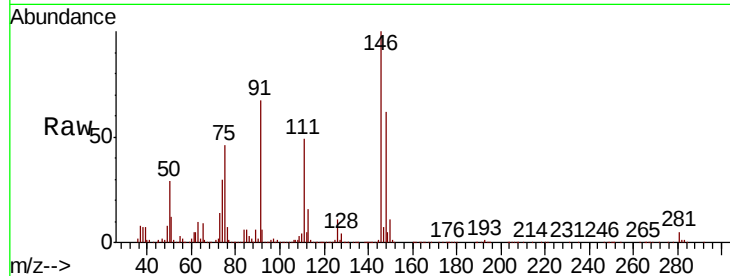
MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:146 Resp: 2563935

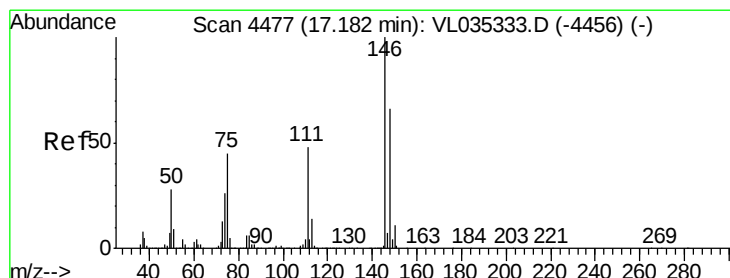
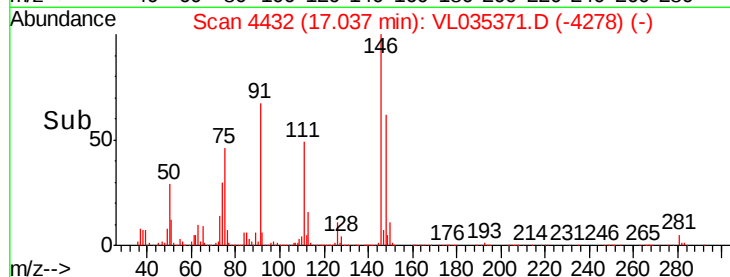
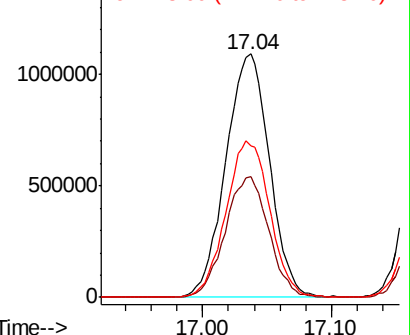
Ion	Ratio	Lower	Upper
146	100		
111	49.6	24.2	72.6
148	65.0	32.6	98.0



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: 10.620 ppbv

RT: 17.18 min Scan# 4476

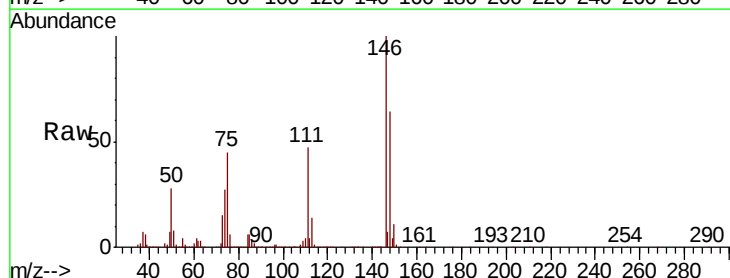
Delta R.T. -0.00 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

Tgt Ion:146 Resp: 2570550

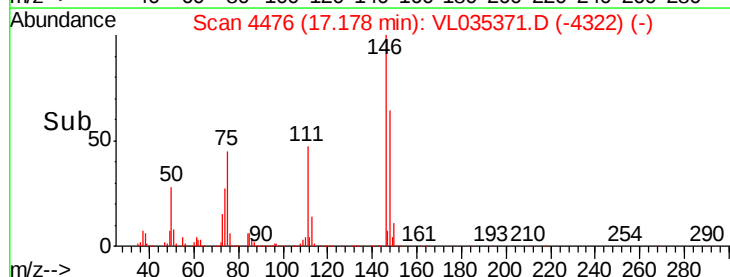
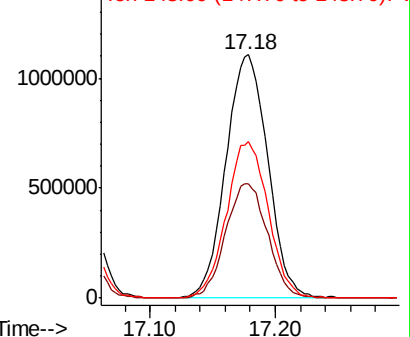
Ion	Ratio	Lower	Upper
146	100		
111	47.3	23.3	69.9
148	64.2	32.1	96.5

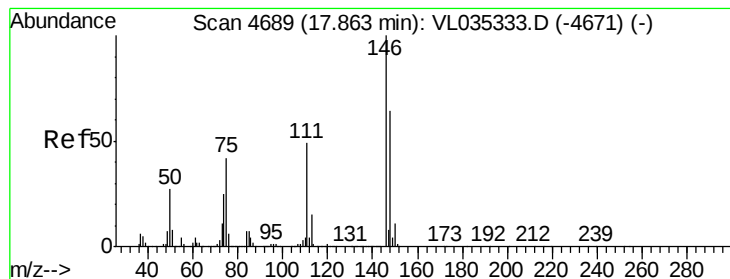


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 10.351 ppbv

RT: 17.85 min Scan# 4686

Delta R.T. -0.01 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

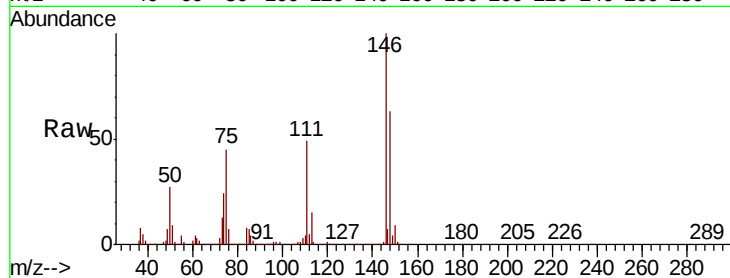
Tot Ion:146 Resp: 2496694

Ion Ratio Lower Upper

146 100

111 50.1 24.9 74.7

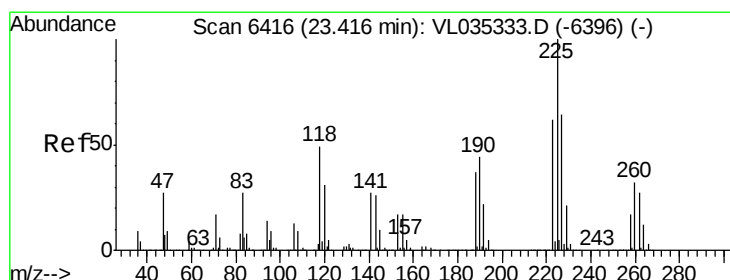
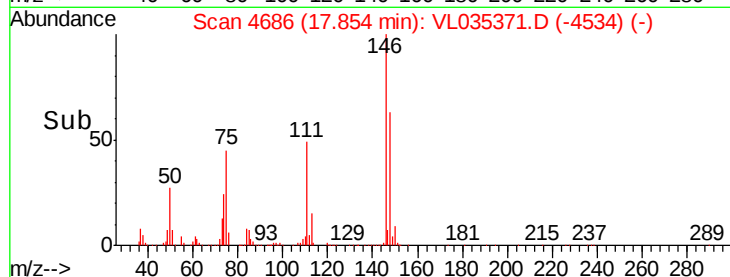
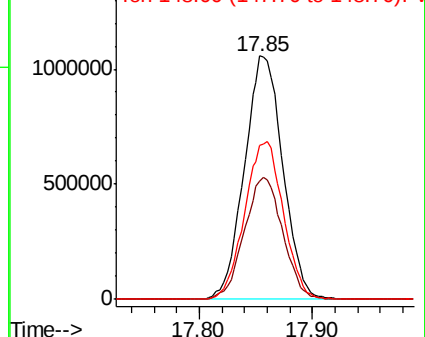
148 65.2 31.9 95.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 9.981 ppbv

RT: 23.42 min Scan# 6416

Delta R.T. -0.00 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

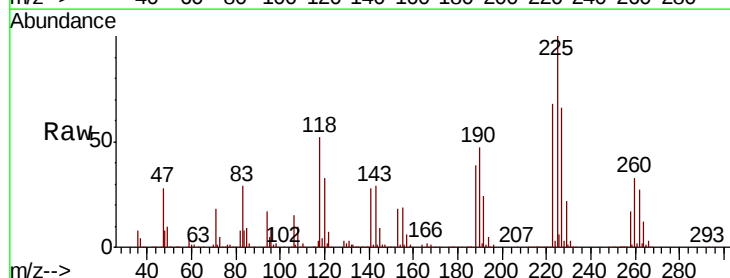
Tgt Ion:225 Resp: 2048174

Ion Ratio Lower Upper

225 100

223 63.0 50.3 75.5

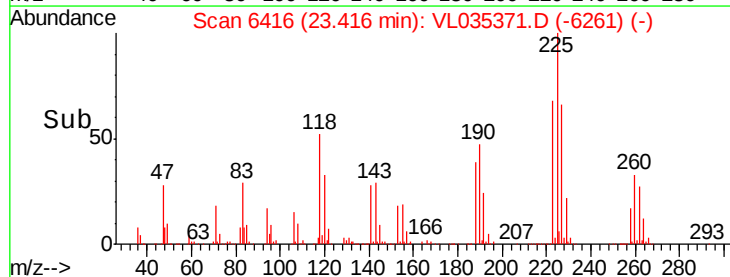
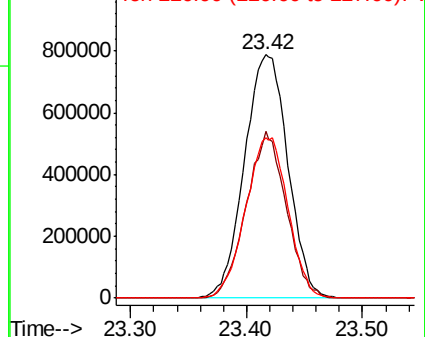
227 64.5 52.7 79.1

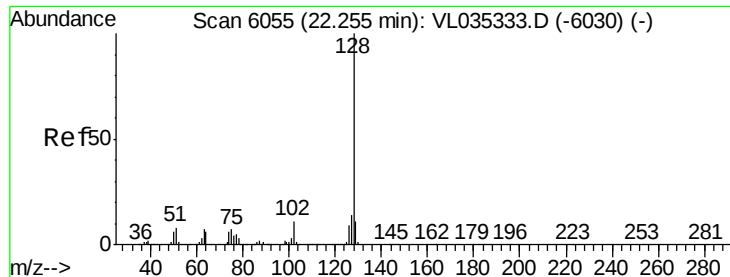


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 13.411 ppbv

RT: 22.25 min Scan# 6054

Delta R.T. -0.00 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

Instrument :

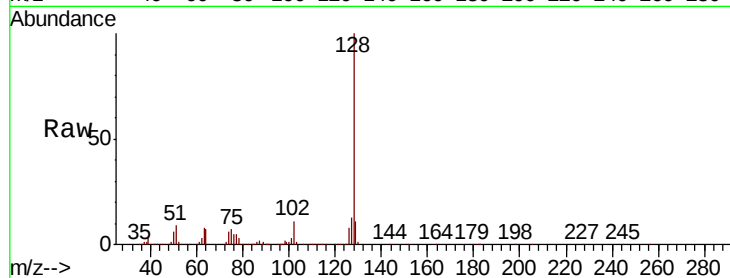
MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:128 Resp: 4120983

Ion	Ratio	Lower	Upper
128	100		
127	13.3	11.1	16.7
129	11.4	8.7	13.1

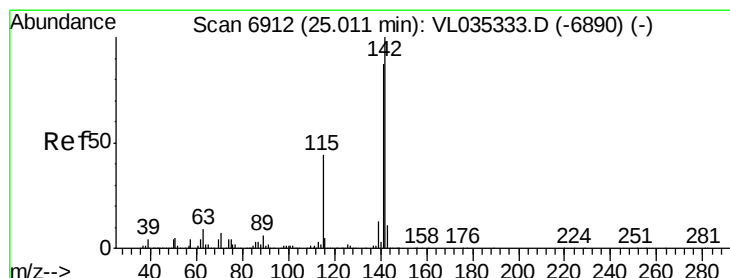
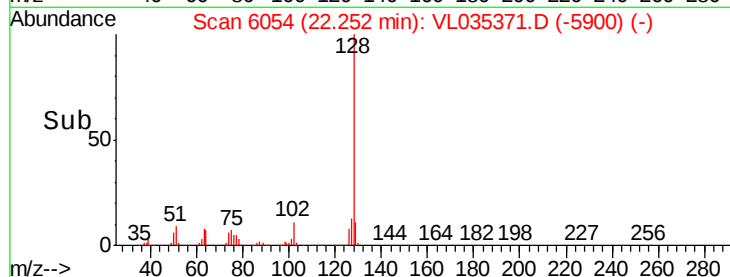
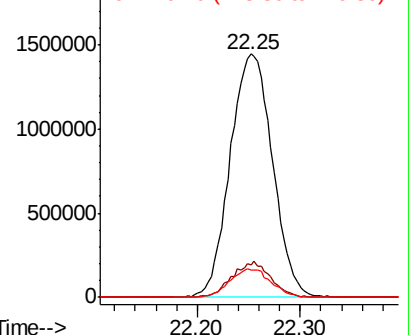


Abundance

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: 22.777 ppbv

RT: 25.01 min Scan# 6912

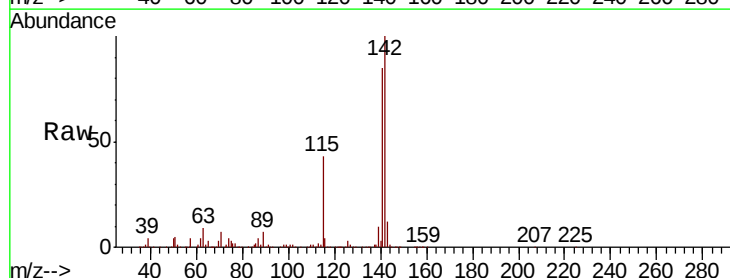
Delta R.T. -0.00 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

Tgt Ion:142 Resp: 1592151

Ion	Ratio	Lower	Upper
142	100		
141	84.5	69.0	103.6
115	43.4	35.5	53.3

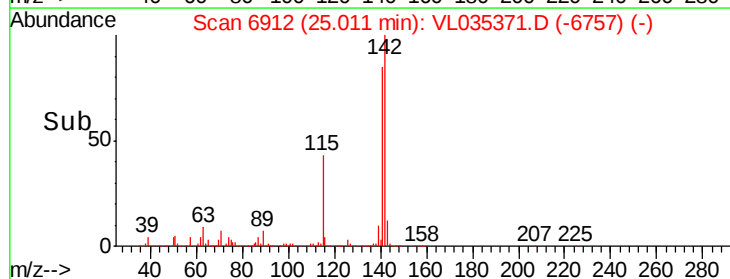
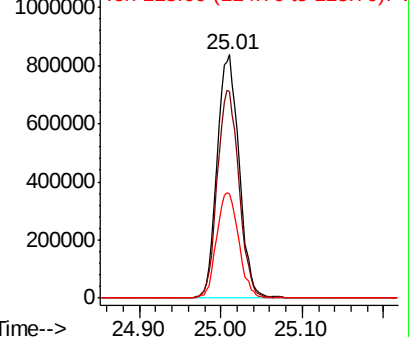


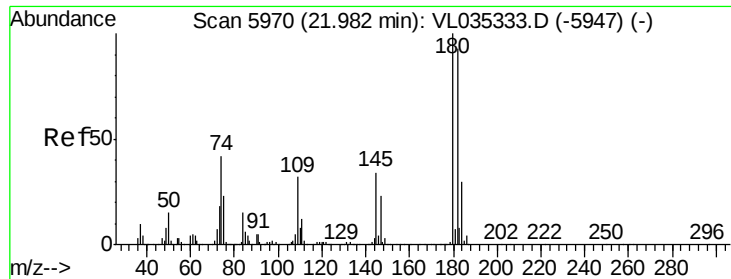
Abundance

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: 11.918 ppbv
 RT: 21.98 min Scan# 5969
 Delta R.T. -0.00 min
 Lab File: VL035371.D
 Acq: 10 Aug 2020 9:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:180 Resp: 2308049
 Ion Ratio Lower Upper
 180 100
 182 97.3 77.2 115.8
 184 31.0 25.1 37.7

