

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110420\
 Data File : VL035828.D
 Acq On : 4 Nov 2020 9:00
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 05 02:52:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04 02:40:06 2020
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1057177	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	4818108	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	5698592	10.00	ppbv	-0.04

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	3254947	8.04	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.40%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.02	85	1822286	9.156	ppbv 100
3) Chlorodifluoromethane	2.96	51	1176970	9.297	ppbv 97
4) Chloromethane	3.11	50	572208	9.304	ppbv 100
5) Vinyl Chloride	3.23	62	747469	9.534	ppbv 98
6) Bromomethane	3.45	94	652446	10.348	ppbv 100
7) Chloroethane	3.53	64	278553	10.095	ppbv 97
8) Dichlorotetrafluoroethane	3.16	85	2253519	9.893	ppbv 100
9) Propene	2.99	41	439787	9.491	ppbv 99
10) Heptane	8.09	43	1218997	9.525	ppbv 97
11) Trichlorofluoromethane	3.92	101	2473211	9.896	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1863431	10.014	ppbv 97
13) Ethanol	3.58	45	70586	7.022	ppbv 96
14) Bromoethene	3.71	108	870081	10.160	ppbv 99
15) Acetone	3.82	43	983918	8.706	ppbv 99
16) 1,3-Butadiene	3.30	39	451500	9.279	ppbv 96
17) tert-Butyl alcohol	4.27	59	1415557	9.451	ppbv 100
18) 1,1-Dichloroethene	4.26	96	874382	10.234	ppbv 98
19) Isopropyl Alcohol	3.94	45	570229	8.210	ppbv 99
20) Methylene Chloride	4.31	84	716654	9.007	ppbv 99
21) Allyl Chloride	4.38	41	611559	10.006	ppbv 95
22) trans-1,2-Dichloroethene	4.86	96	899186	10.382	ppbv 100
23) Vinyl Acetate	5.04	43	1469186	9.274	ppbv 98
24) 1,1-Dichloroethane	4.98	63	1457078	9.654	ppbv 100
25) Ethyl Acetate	5.65	43	2095211	9.410	ppbv 99
26) Hexane	5.66	57	1163611	9.476	ppbv 96
27) Carbon Disulfide	4.52	76	1873459	10.182	ppbv 99
28) Methyl tert-Butyl Ether	5.01	73	2170030	9.841	ppbv 98
29) Chloroform	5.73	83	2392903	9.915	ppbv 99
30) Cyclohexane	7.10	84	1323834	9.899	ppbv 94
31) cis-1,2-Dichloroethene	5.52	61	1251422	9.907	ppbv 93
32) 1,1,1-Trichloroethane	6.48	97	2416255	9.594	ppbv 99
34) 2-Butanone	5.21	43	1328444	8.496	ppbv 96
35) Carbon Tetrachloride	6.99	117	2424788	9.419	ppbv 99
36) Benzene	6.86	78	3159036	8.819	ppbv 98
37) 1,2-Dichloroethane	6.28	62	1490042	9.182	ppbv 99
38) Trichloroethene	7.81	130	1518647	8.680	ppbv 98
39) 1,2-Dichloropropane	7.58	63	1027861	8.523	ppbv 97
40) 1,4-Dioxane	7.80	88	456461	7.986	ppbv 92
41) Tetrahydrofuran	6.02	42	789564	8.888	ppbv 91
42) Bromodichloromethane	7.76	83	2495315	9.113	ppbv 99
43) Methyl Methacrylate	7.98	69	1259871	9.221	ppbv 94

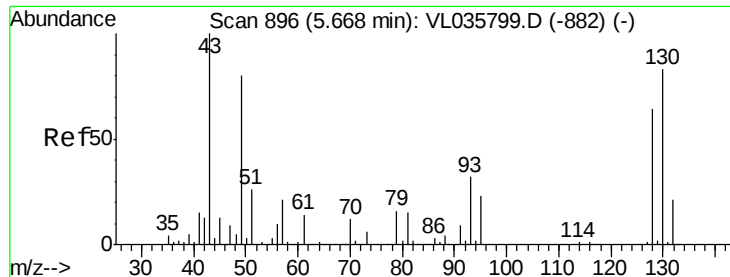
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110420\
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Quant Time: Nov 05 02:52:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04 02:40:06 2020
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.84	57	3936123	8.304	ppbv	99
45) t-1,3-Dichloropropene	9.25	75	1426434	9.849	ppbv	98
46) cis-1,3-Dichloropropene	8.67	75	1724381	9.401	ppbv	96
47) 1,1,2-Trichloroethane	9.45	97	1471423	8.955	ppbv	99
48) Dibromochloromethane	10.28	129	2428862	9.675	ppbv	99
49) Bromoform	13.01	173	2078161	9.810	ppbv	100
50) 4-Methyl-2-Pentanone	8.71	43	2034884	8.510	ppbv	96
51) 2-Hexanone	10.10	43	1692831	8.813	ppbv #	96
52) Tetrachloroethene	11.19	164	1450496	8.547	ppbv	99
53) Toluene	9.78	91	3883135	8.984	ppbv	100
54) 1,2-Dibromoethane	10.58	107	2287879	9.155	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.10	131	1900371	7.430	ppbv	99
57) Chlorobenzene	12.12	112	3150636	6.954	ppbv	97
58) Ethyl Benzene	12.68	91	4983110	7.180	ppbv	99
59) m/p-Xylene	12.97	91	4342630	7.395	ppbv #	32
60) o-Xylene	13.66	91	3972947	6.955	ppbv	99
61) Styrene	13.50	104	3184067	7.608	ppbv	98
62) Isopropylbenzene	14.64	105	6152798	6.853	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.65	83	2734561	6.178	ppbv	99
64) n-propylbenzene	15.53	120	1863908	7.182	ppbv	93
65) tert-Butylbenzene	16.72	119	5495240	6.724	ppbv	97
66) Benzyl Chloride	16.96	91	1941179	7.186	ppbv	98
67) sec-Butylbenzene	17.27	105	7283670	6.614	ppbv	99
69) p-Isopropyltoluene	17.63	119	6146015	6.763	ppbv	98
70) n-Butylbenzene	18.53	91	5824754	6.655	ppbv	99
71) 2-Chlorotoluene	15.43	91	4556356	6.938	ppbv	97
72) 4-Ethyltoluene	15.81	105	4915182	7.095	ppbv	99
73) 1,3,5-Trimethylbenzene	15.97	105	4461616	7.037	ppbv	99
74) 1,2,4-Trimethylbenzene	16.74	105	4533864	6.674	ppbv	99
75) 1,3-Dichlorobenzene	16.97	146	2952704	6.826	ppbv	99
76) 1,4-Dichlorobenzene	17.11	146	2952758	7.076	ppbv	99
77) 1,2-Dichlorobenzene	17.79	146	2894159	6.864	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	1320764	6.713	ppbv	100
79) Naphthalene	22.17	128	3598881	7.599	ppbv	100
80) Naphthalene, 2-methyl-	24.96	142	755369	9.788	ppbv	97
81) 1,2,4-Trichlorobenzene	21.90	180	1934542	7.312	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 887

Delta R.T. -0.03 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

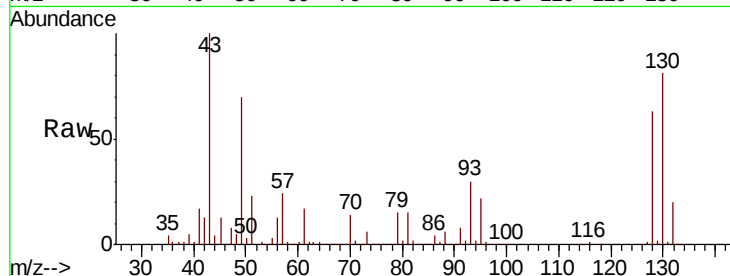
Tot Ion: 49 Resp: 1057177

Ion Ratio Lower Upper

49 100

128 94.3 41.5 124.6

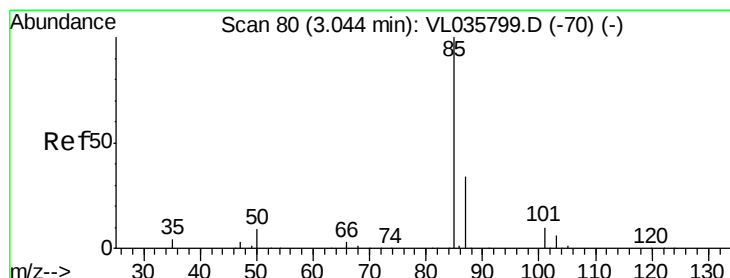
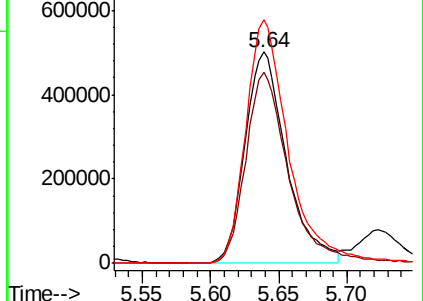
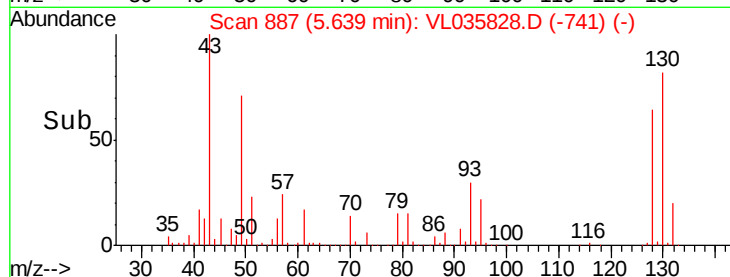
130 120.5 53.7 161.1



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 9.156 ppbv

RT: 3.02 min Scan# 74

Delta R.T. -0.02 min

Lab File: VL035828.D

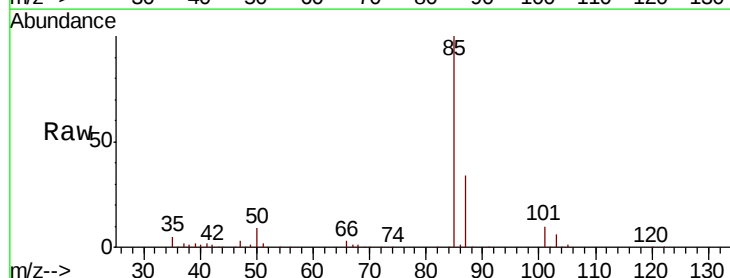
Acq: 4 Nov 2020 9:00

Tgt Ion: 85 Resp: 1822286

Ion Ratio Lower Upper

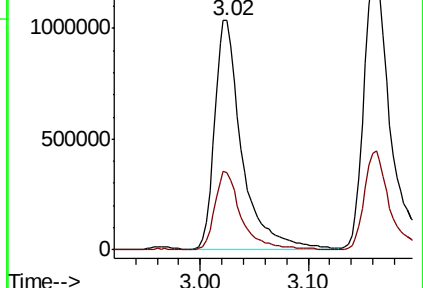
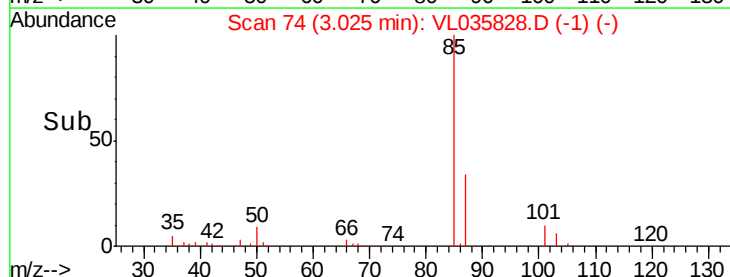
85 100

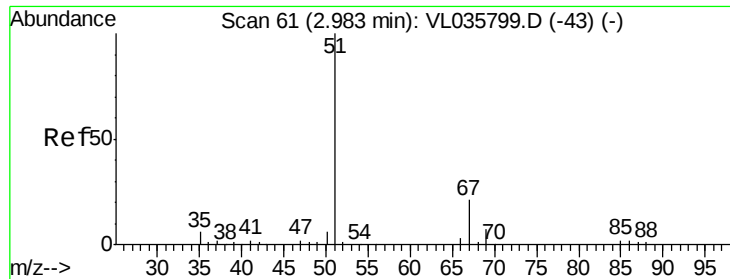
87 33.7 27.1 40.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.297 ppbv

RT: 2.96 min Scan# 55

Delta R.T. -0.02 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

Instrument :

MSVOA_L

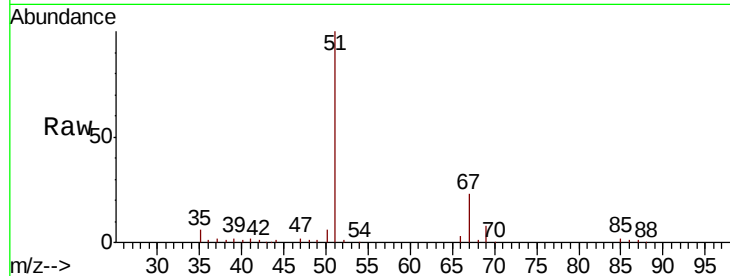
ClientSampleId :

Tot Ion: 51 Resp: 1176970

Ion Ratio Lower Upper

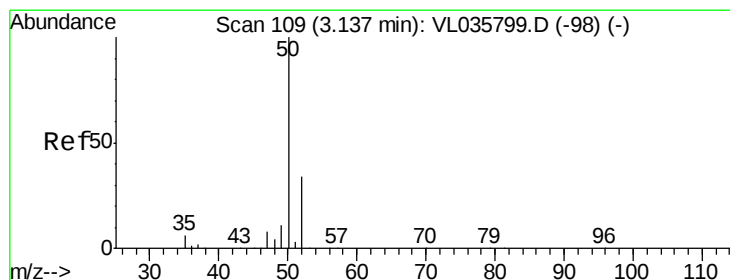
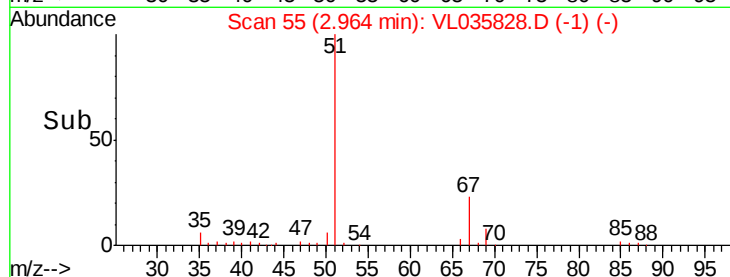
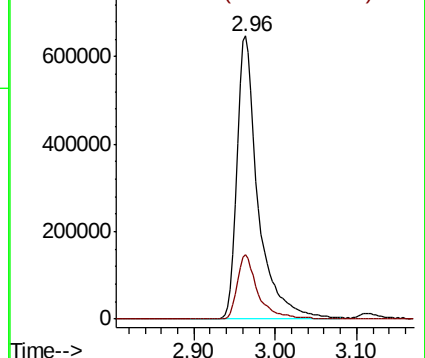
51 100

67 22.6 17.0 25.4



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.304 ppbv

RT: 3.11 min Scan# 102

Delta R.T. -0.02 min

Lab File: VL035828.D

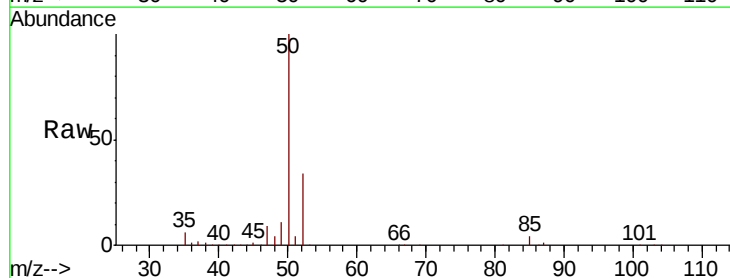
Acq: 4 Nov 2020 9:00

Tgt Ion: 50 Resp: 572208

Ion Ratio Lower Upper

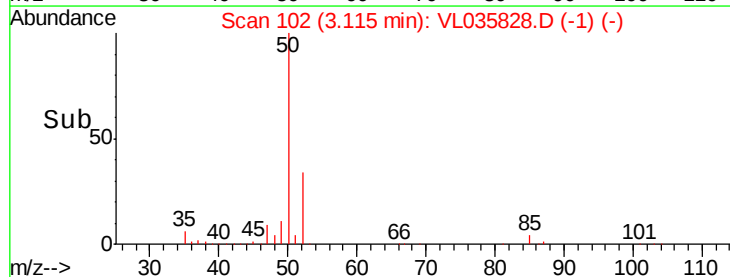
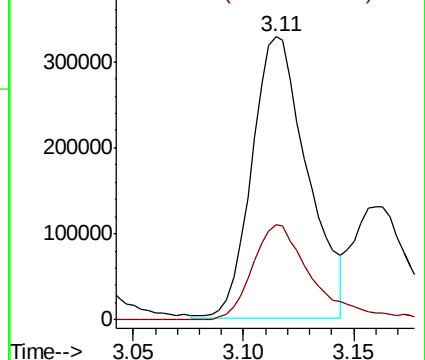
50 100

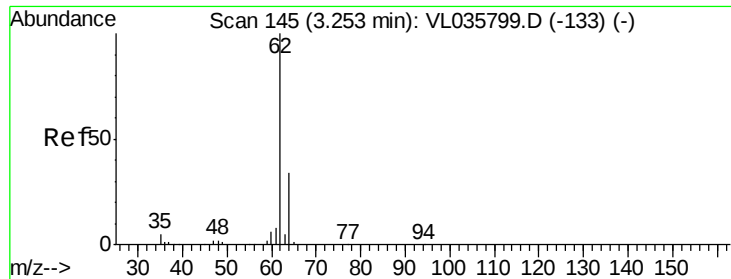
52 34.1 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.534 ppbv

RT: 3.23 min Scan# 138

Delta R.T. -0.02 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

Instrument :

MSVOA_L

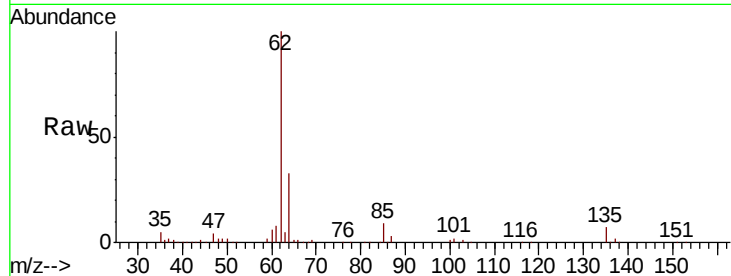
ClientSampleId :

Tot Ion: 62 Resp: 747469

Ion Ratio Lower Upper

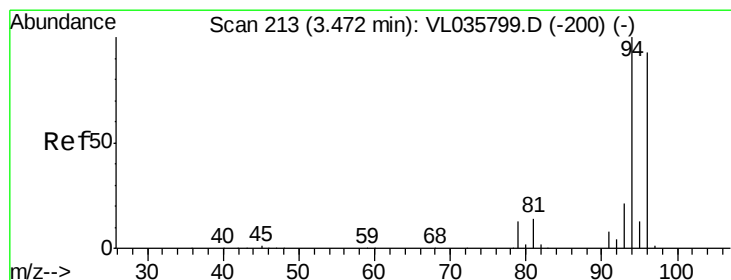
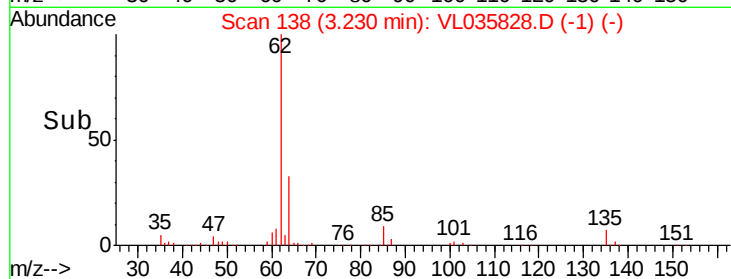
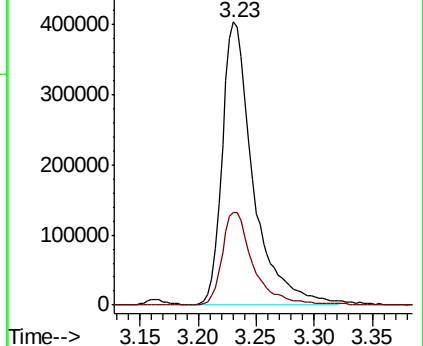
62 100

64 32.6 26.9 40.3



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.348 ppbv

RT: 3.45 min Scan# 205

Delta R.T. -0.03 min

Lab File: VL035828.D

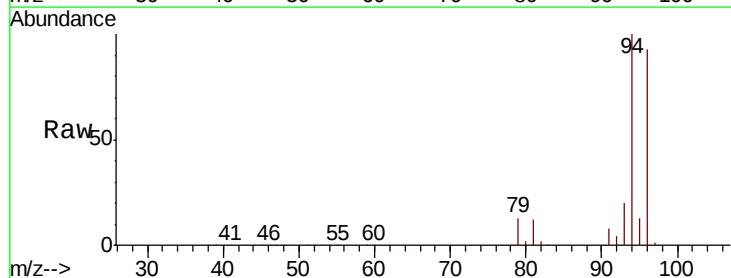
Acq: 4 Nov 2020 9:00

Tgt Ion: 94 Resp: 652446

Ion Ratio Lower Upper

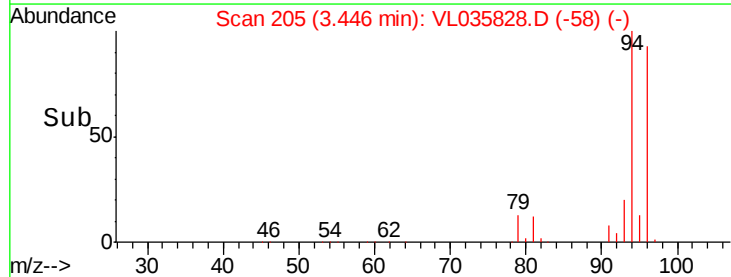
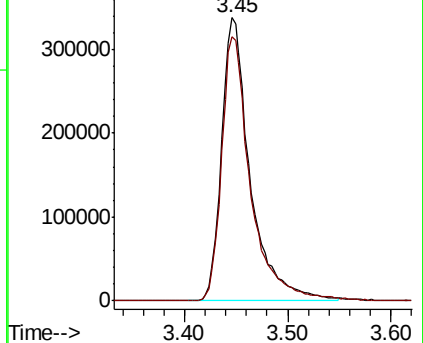
94 100

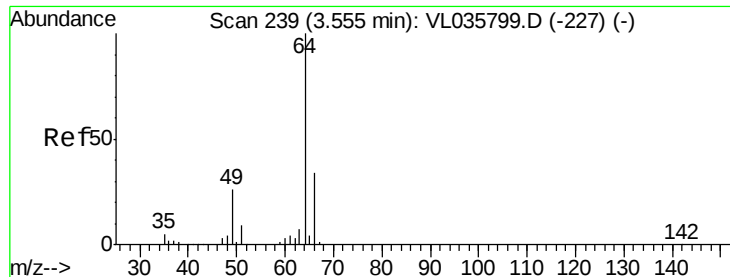
96 93.2 74.6 111.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.095 ppbv

RT: 3.53 min Scan# 231

Delta R.T. -0.03 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

Instrument :

MSVOA_L

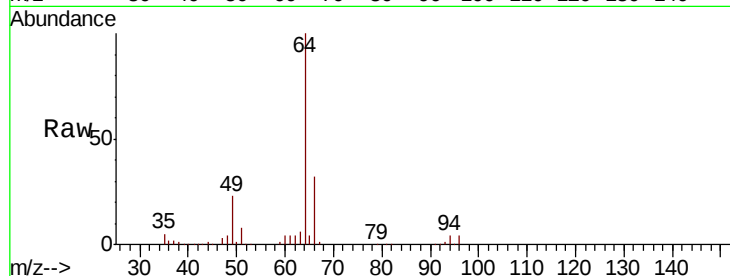
ClientSampleId :

Tot Ion: 64 Resp: 278553

Ion Ratio Lower Upper

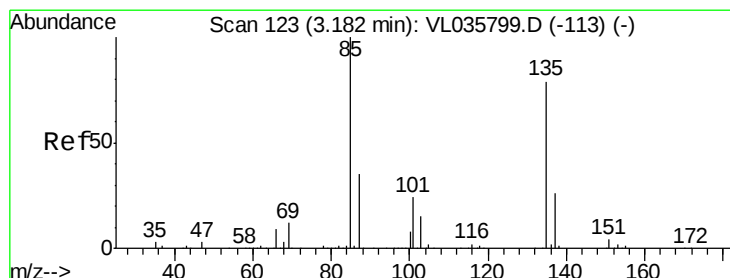
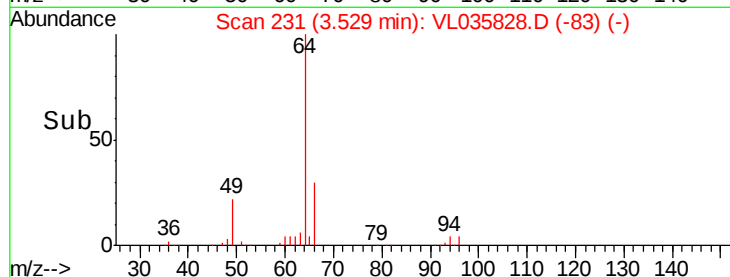
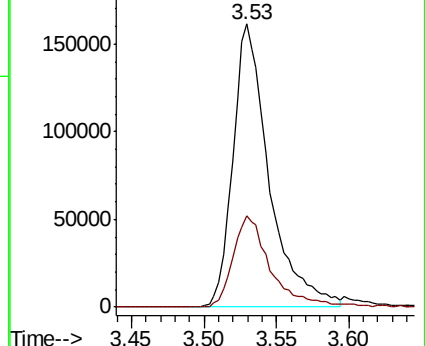
64 100

66 32.3 27.0 40.6



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.893 ppbv

RT: 3.16 min Scan# 117

Delta R.T. -0.02 min

Lab File: VL035828.D

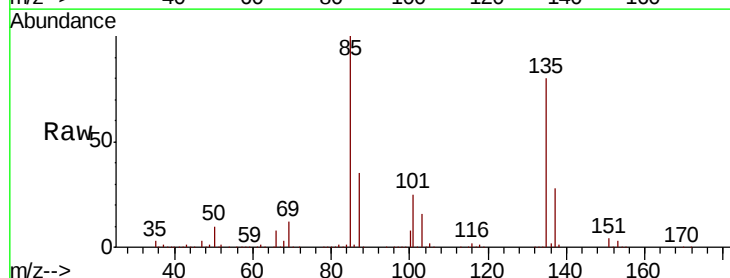
Acq: 4 Nov 2020 9:00

Tgt Ion: 85 Resp: 2253519

Ion Ratio Lower Upper

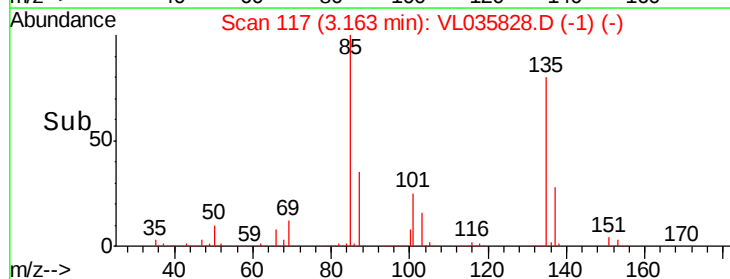
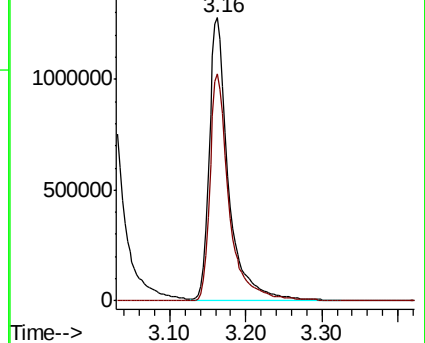
85 100

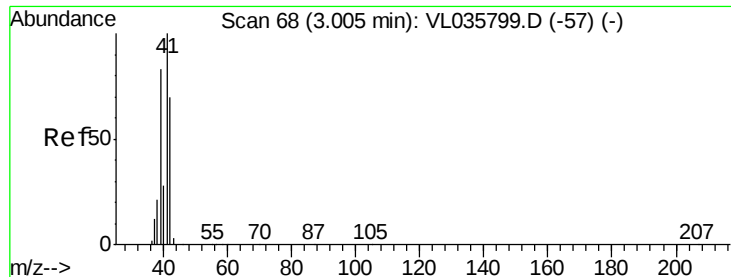
135 80.6 64.6 96.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.491 ppbv

RT: 2.99 min Scan# 62

Delta R.T. -0.02 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

Instrument :

MSVOA_L

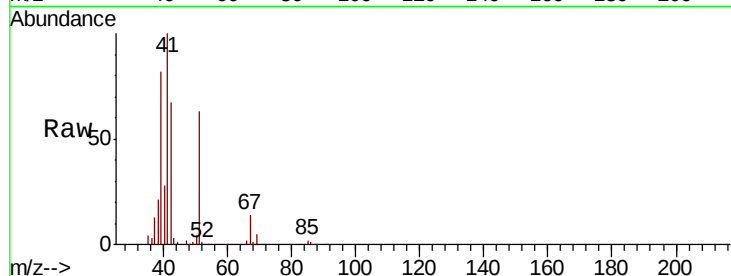
ClientSampleId :

Tot Ion: 41 Resp: 439787

Ion Ratio Lower Upper

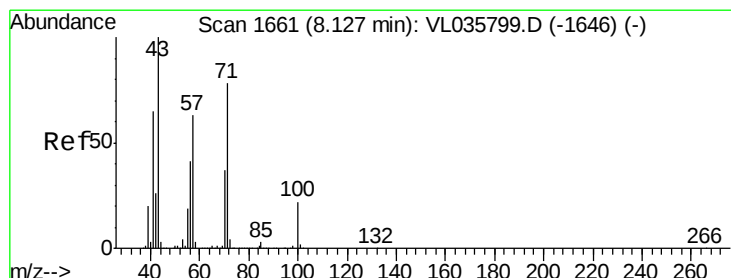
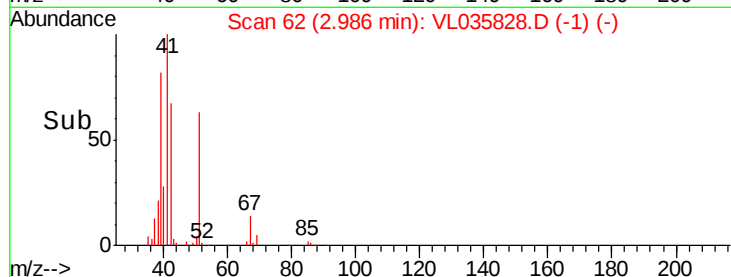
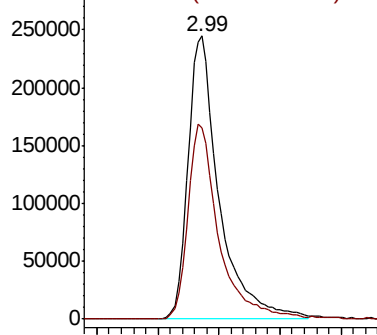
41 100

42 69.2 56.2 84.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 9.525 ppbv

RT: 8.09 min Scan# 1650

Delta R.T. -0.04 min

Lab File: VL035828.D

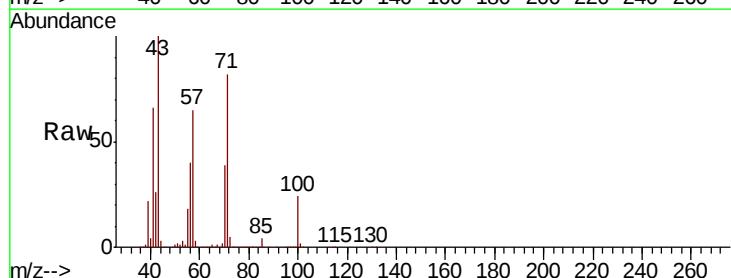
Acq: 4 Nov 2020 9:00

Tgt Ion: 43 Resp: 1218997

Ion Ratio Lower Upper

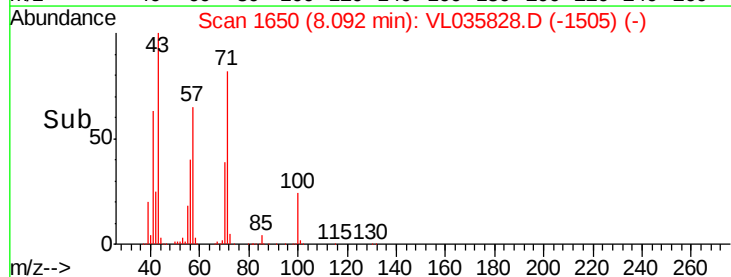
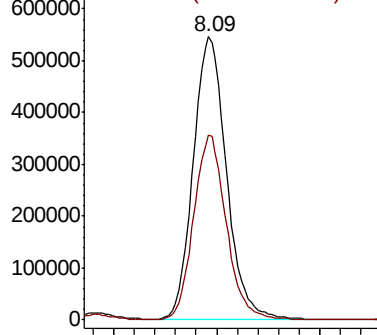
43 100

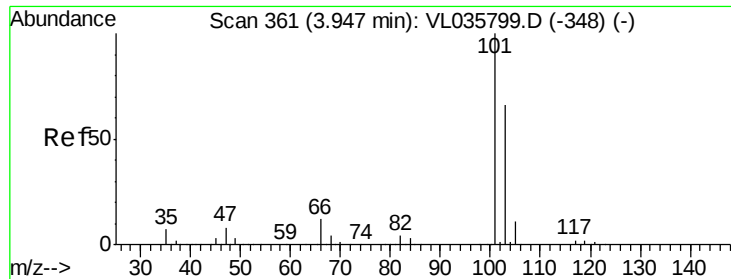
57 64.9 50.0 75.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

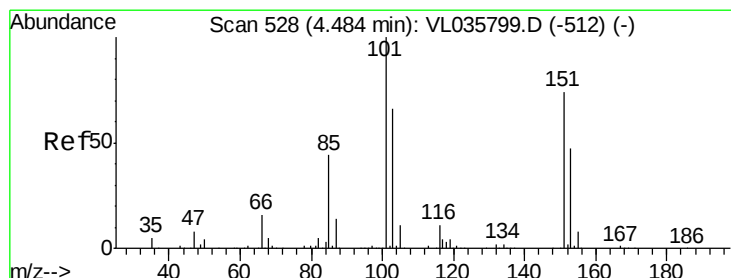
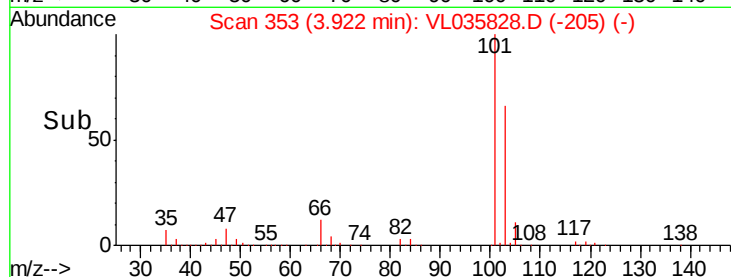
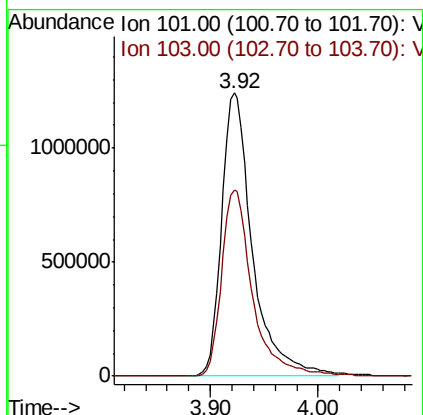
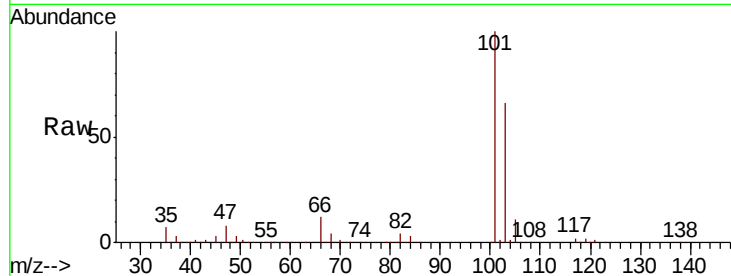




#11
 Trichlorofluoromethane
 Concen: 9.896 ppbv
 RT: 3.92 min Scan# 353
 Delta R.T. -0.03 min
 Lab File: VL035828.D
 Acq: 4 Nov 2020 9:00

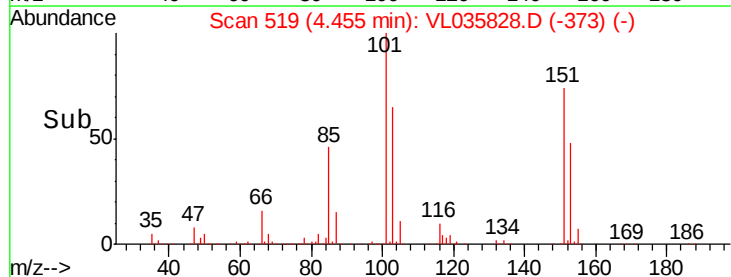
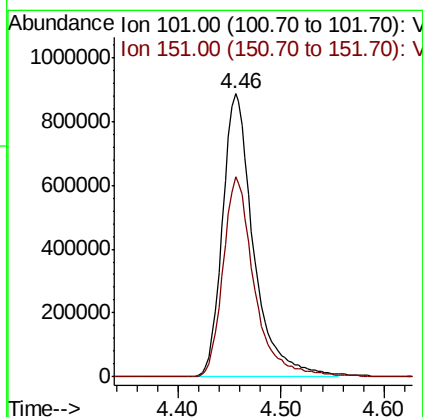
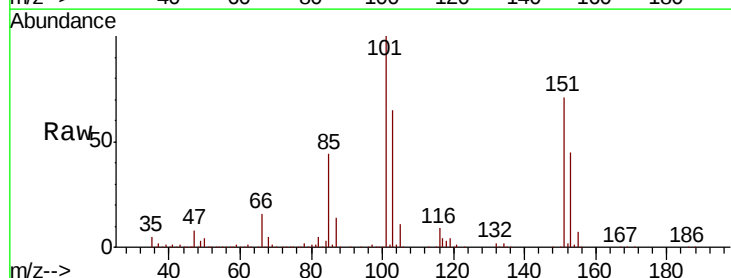
Instrument :
 MSVOA_L
 ClientSampleId :

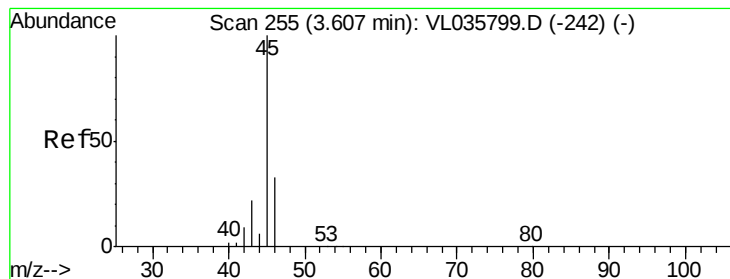
Tot Ion:101 Resp: 2473211
 Ion Ratio Lower Upper
 101 100
 103 65.9 53.0 79.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.014 ppbv
 RT: 4.46 min Scan# 519
 Delta R.T. -0.03 min
 Lab File: VL035828.D
 Acq: 4 Nov 2020 9:00

Tgt Ion:101 Resp: 1863431
 Ion Ratio Lower Upper
 101 100
 151 71.5 58.9 88.3





#13

Ethanol

Concen: 7.022 ppbv

RT: 3.58 min Scan# 248

Delta R.T. -0.02 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

Instrument :

MSVOA_L

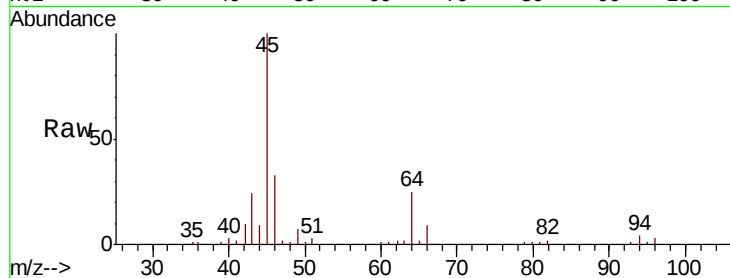
ClientSampleId :

Tot Ion: 45 Resp: 70586

Ion Ratio Lower Upper

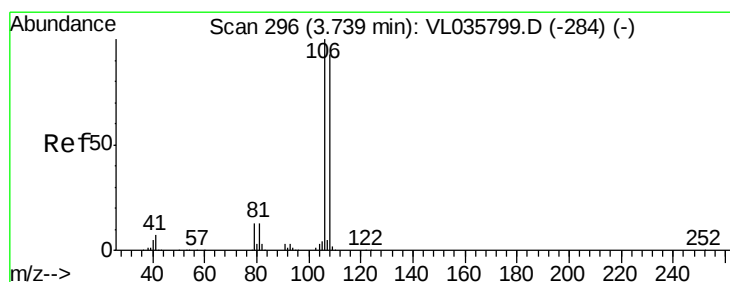
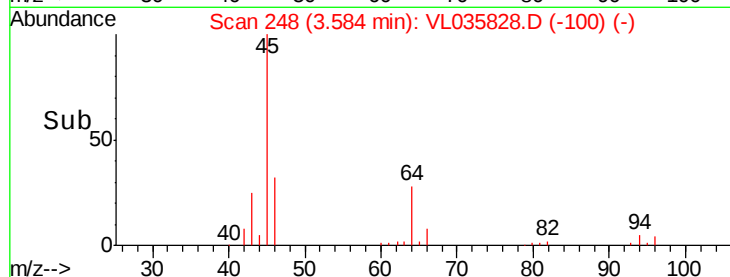
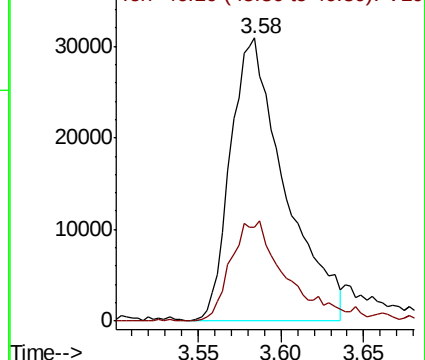
45 100

46 38.0 16.1 64.5



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 10.160 ppbv

RT: 3.71 min Scan# 288

Delta R.T. -0.03 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

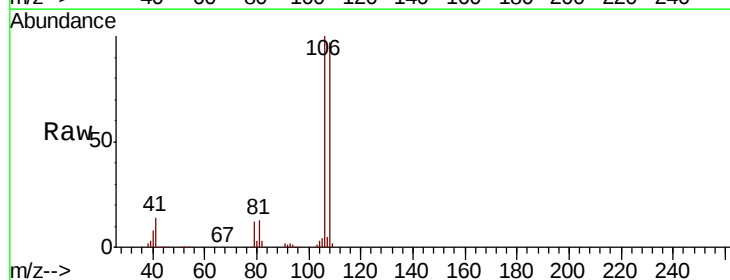
Tgt Ion: 108 Resp: 870081

Ion Ratio Lower Upper

108 100

106 106.9 85.3 127.9

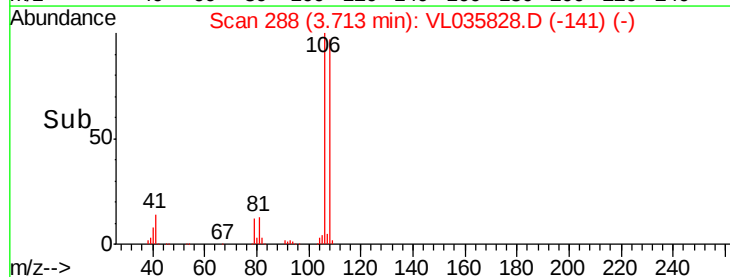
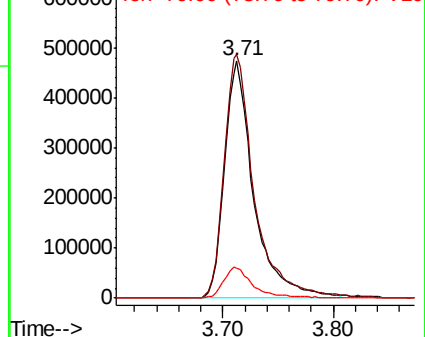
79 13.4 11.6 17.4

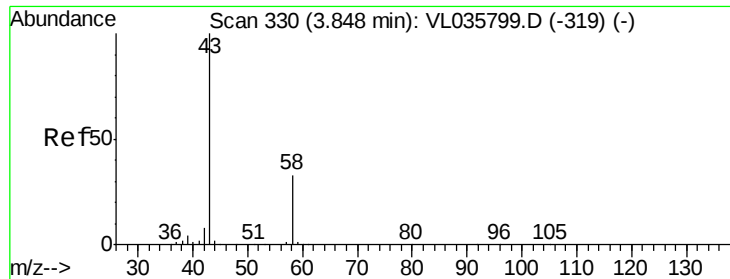


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 8.706 ppbv

RT: 3.82 min Scan# 322

Delta R.T. -0.03 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

Instrument :

MSVOA_L

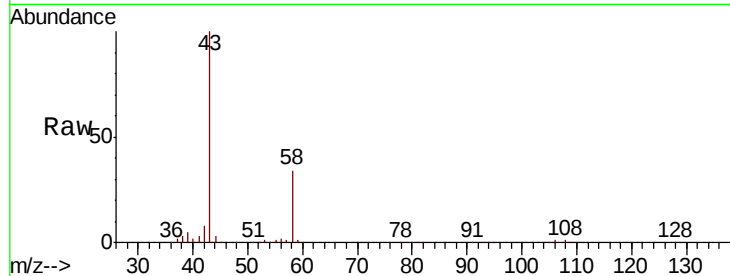
ClientSampleId :

Tot Ion: 43 Resp: 983918

Ion Ratio Lower Upper

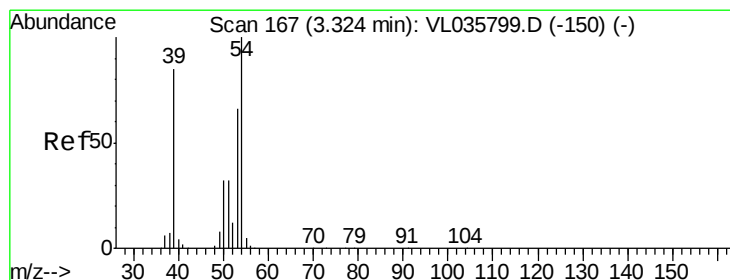
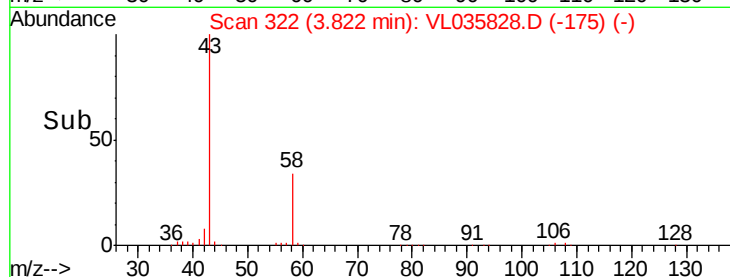
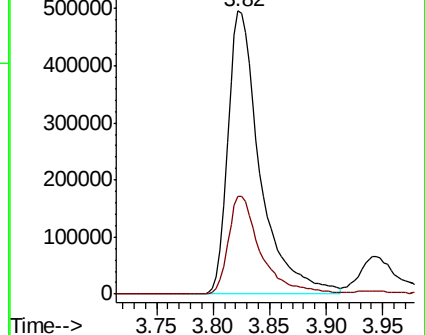
43 100

58 34.9 27.5 41.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 9.279 ppbv

RT: 3.30 min Scan# 160

Delta R.T. -0.02 min

Lab File: VL035828.D

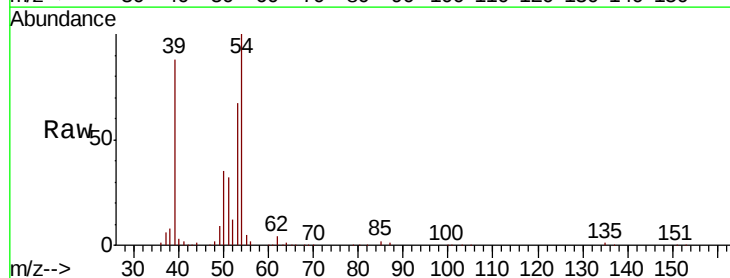
Acq: 4 Nov 2020 9:00

Tgt Ion: 39 Resp: 451500

Ion Ratio Lower Upper

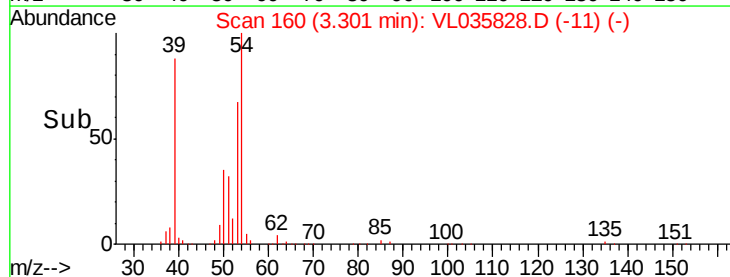
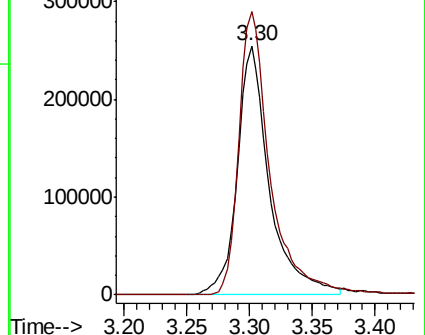
39 100

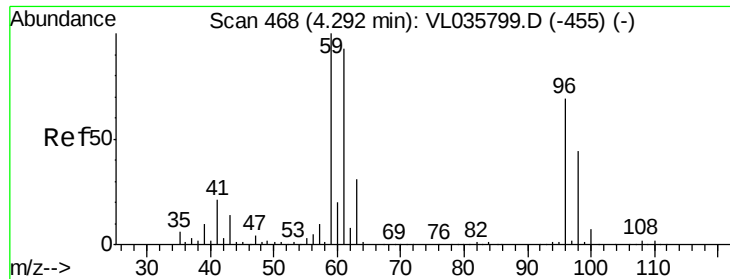
54 113.3 87.1 130.7



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 9.451 ppbv

RT: 4.27 min Scan# 460

Delta R.T. -0.03 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

Instrument :

MSVOA_L

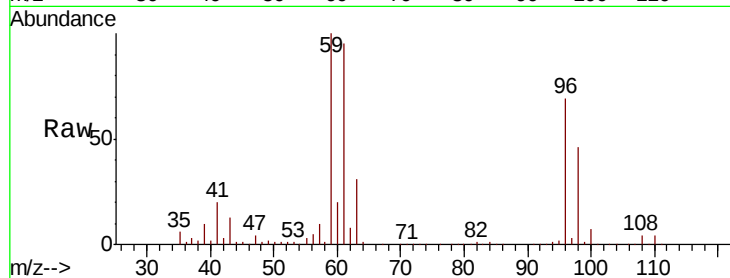
ClientSampleId :

Tot Ion: 59 Resp: 141557

Ion Ratio Lower Upper

59 100

57 10.3 8.2 12.4



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.27

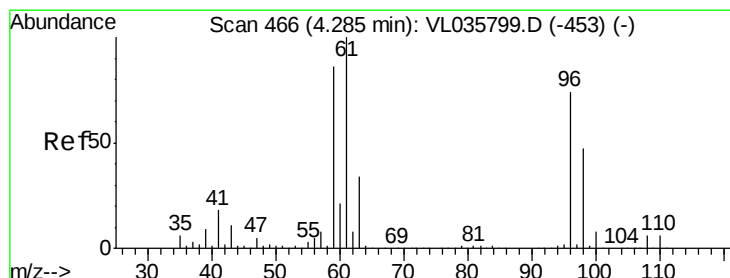
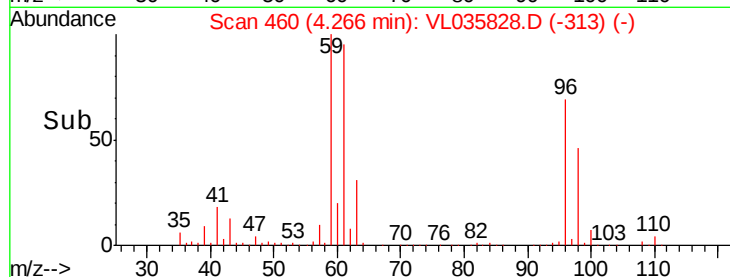
600000

400000

200000

0

Time-->



#18

1,1-Dichloroethene

Concen: 10.234 ppbv

RT: 4.26 min Scan# 458

Delta R.T. -0.03 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

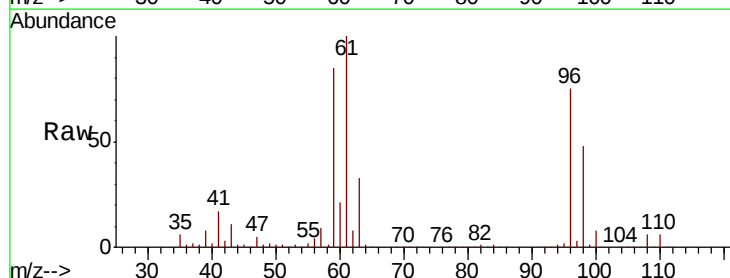
Tgt Ion: 96 Resp: 874382

Ion Ratio Lower Upper

96 100

61 133.8 108.5 162.7

98 64.8 50.7 76.1



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

800000

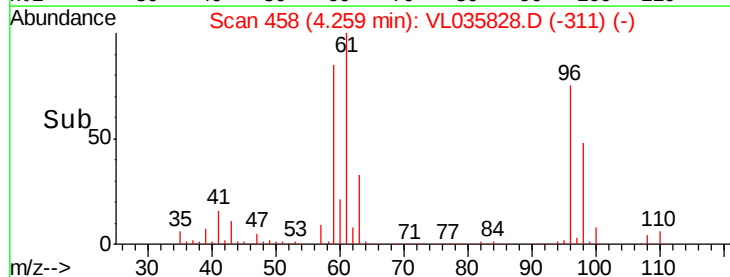
600000

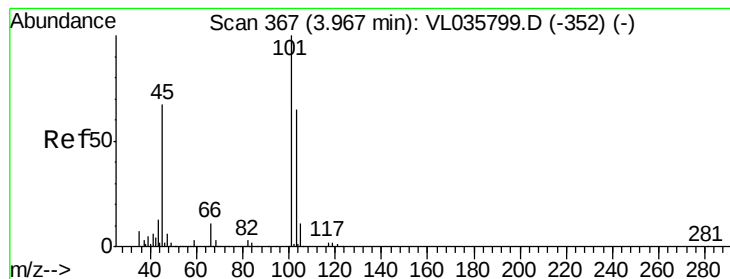
400000

200000

0

Time-->





#19

Isopropyl Alcohol

Concen: 8.210 ppbv

RT: 3.94 min Scan# 359

Delta R.T. -0.03 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

Instrument :

MSVOA_L

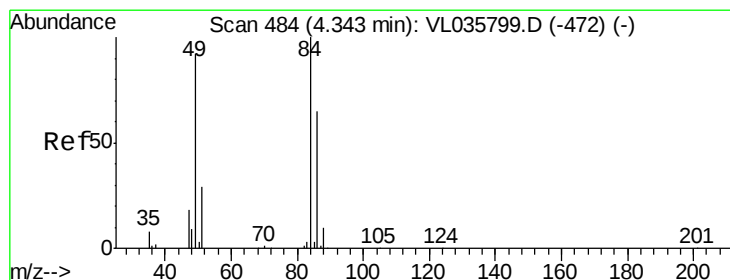
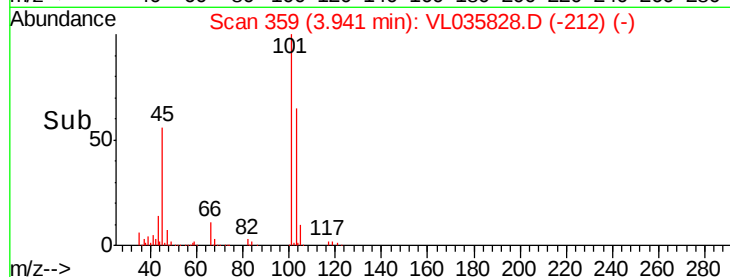
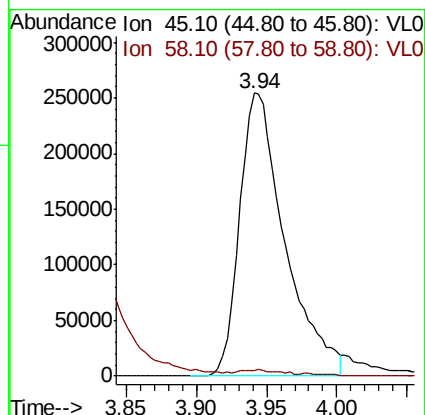
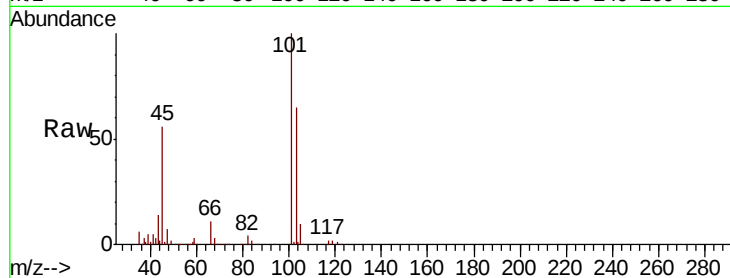
ClientSampled :

Tot Ion: 45 Resp: 570229

Ion Ratio Lower Upper

45 100

58 2.7 2.6 3.8



#20

Methylene Chloride

Concen: 9.007 ppbv

RT: 4.31 min Scan# 475

Delta R.T. -0.03 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

Tgt Ion: 84 Resp: 716654

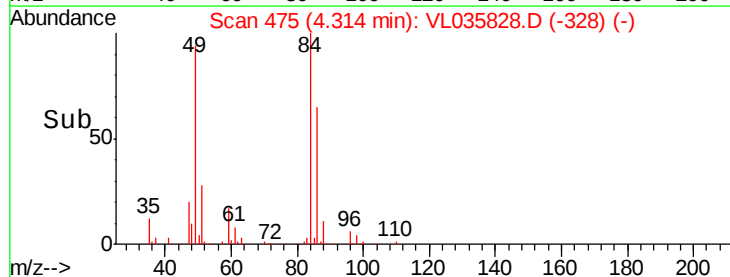
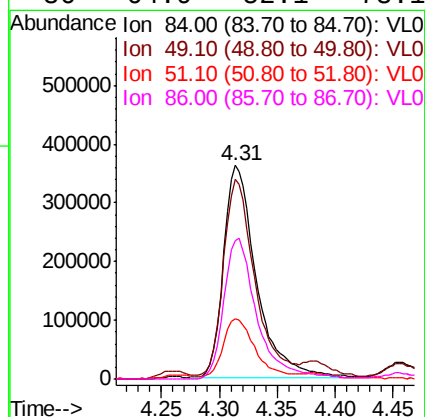
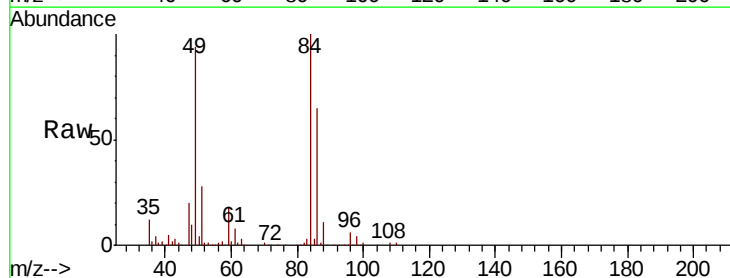
Ion Ratio Lower Upper

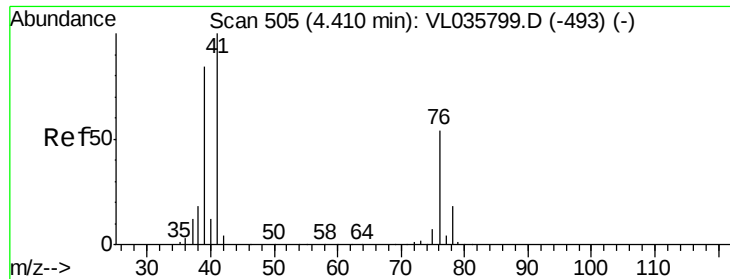
84 100

49 92.1 73.8 110.8

51 27.6 23.0 34.4

86 64.9 52.1 78.1





#21

Allvl Chloride

Concen: 10.006 ppbv

RT: 4.38 min Scan# 497

Delta R.T. -0.03 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

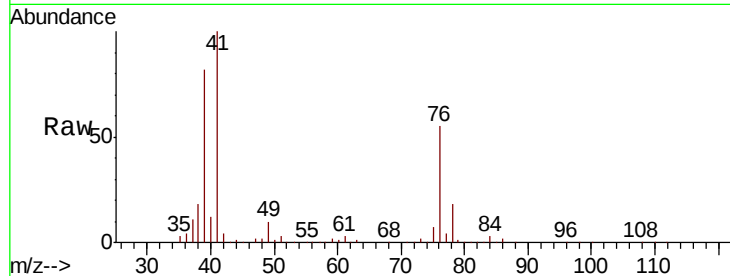
Tot Ion: 41 Resp: 611559

Ion Ratio Lower Upper

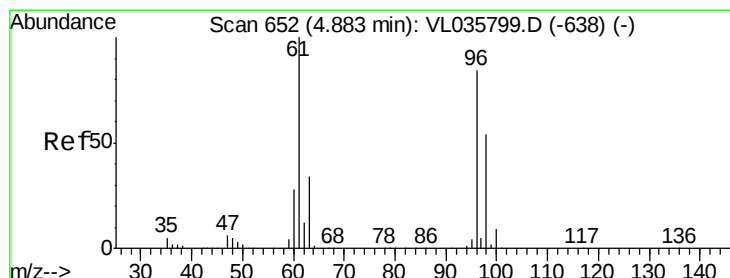
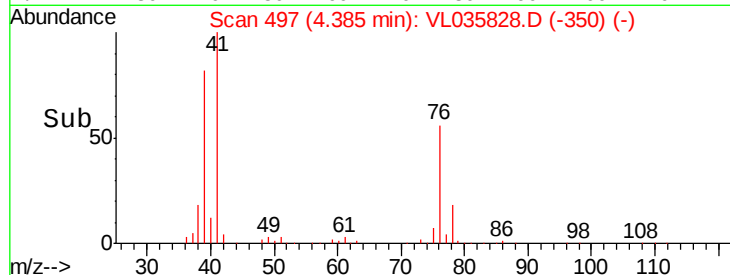
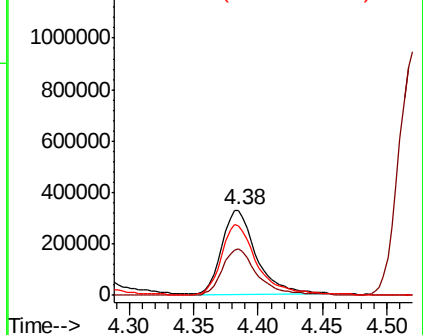
41 100

76 56.9 42.6 63.8

39 88.6 67.0 100.4



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: 10.382 ppbv

RT: 4.86 min Scan# 644

Delta R.T. -0.03 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

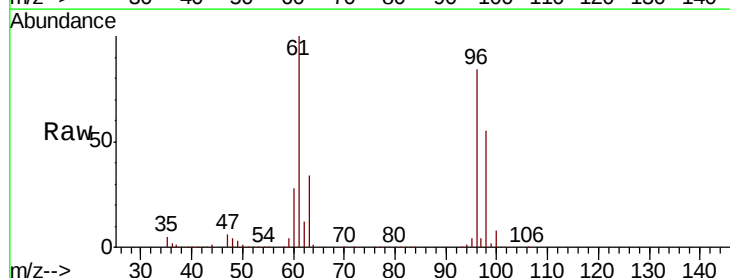
Tgt Ion: 96 Resp: 899186

Ion Ratio Lower Upper

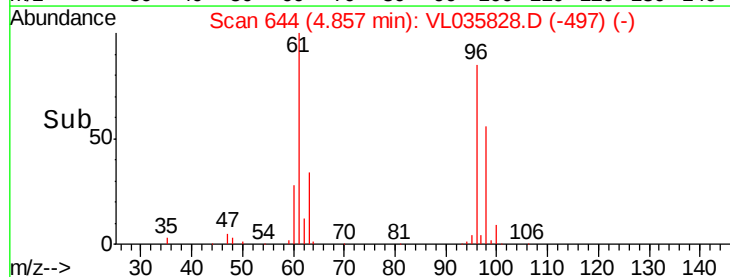
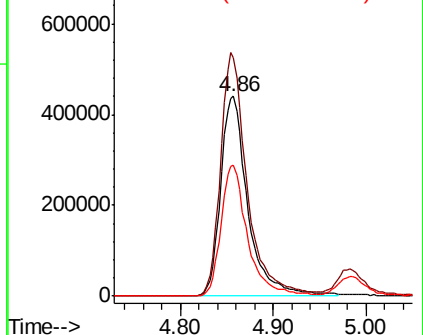
96 100

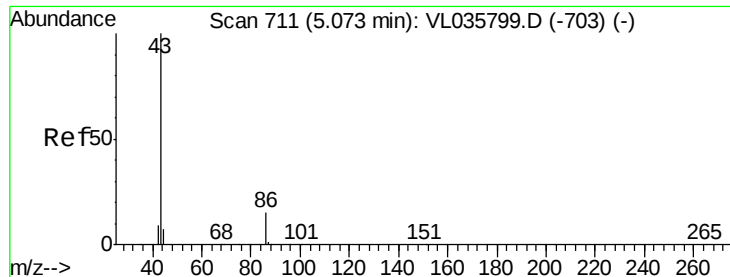
61 119.2 95.4 143.0

98 65.3 51.8 77.6



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: 9.274 ppbv

RT: 5.04 min Scan# 702

Delta R.T. -0.03 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

Instrument :

MSVOA_L

ClientSampled :

Tot Ion: 43 Resp: 1469186

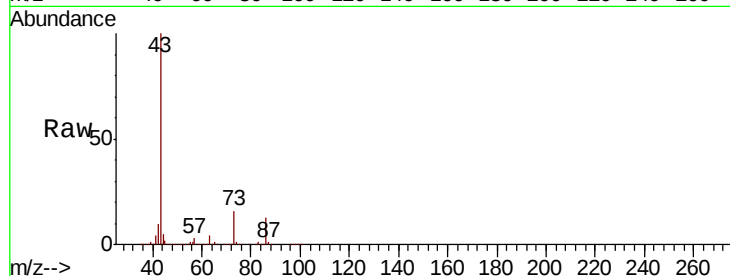
Ion Ratio Lower Upper

43 100

86 13.1 9.8 14.6

42 9.4 8.1 12.1

44 4.5 4.2 6.4

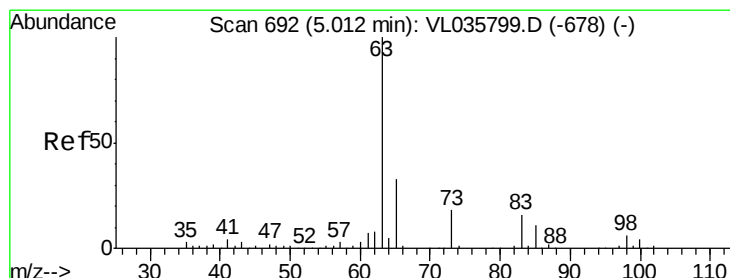
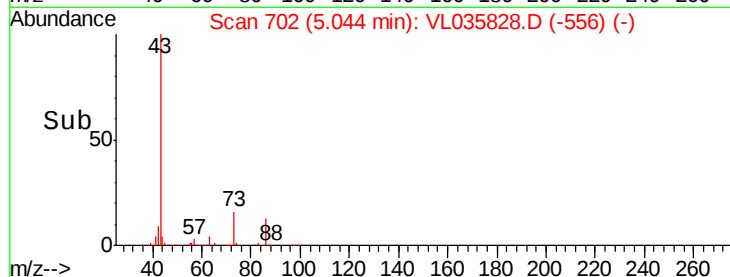
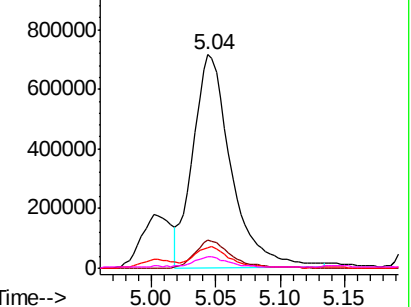


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.654 ppbv

RT: 4.98 min Scan# 683

Delta R.T. -0.03 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

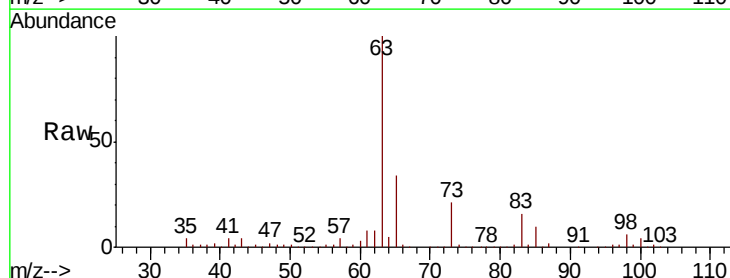
Tgt Ion: 63 Resp: 1457078

Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.2

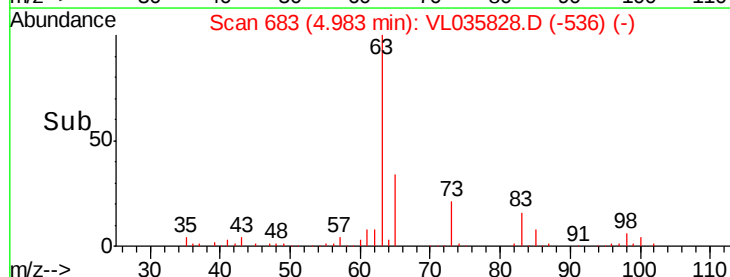
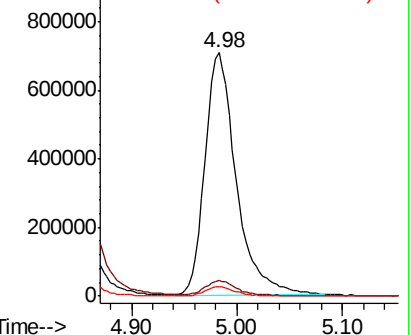
100 3.9 1.8 5.4



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



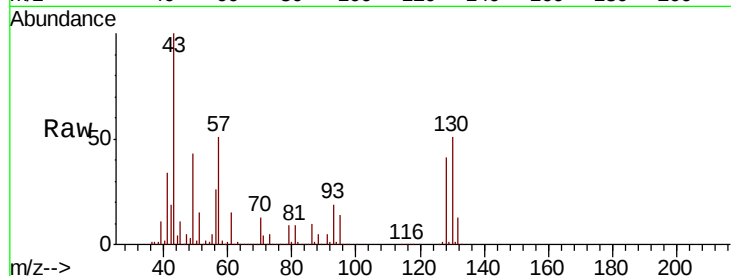


#25
Ethyl Acetate
Concen: 9.410 ppbv
RT: 5.65 min Scan# 890
Delta R.T. -0.03 min
Lab File: VL035828.D
Acq: 4 Nov 2020 9:00

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2095211

Ion	Ratio	Lower	Upper
43	100		
45	10.7	8.5	12.7
61	14.0	10.7	16.1
70	11.4	8.6	12.8



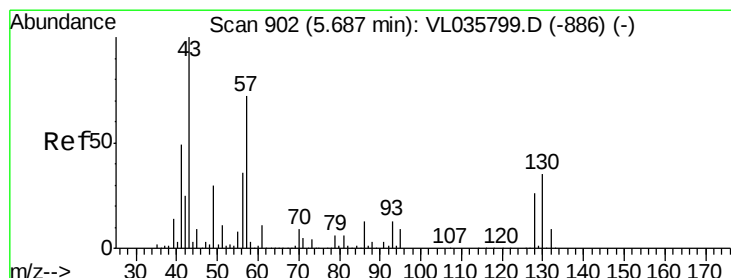
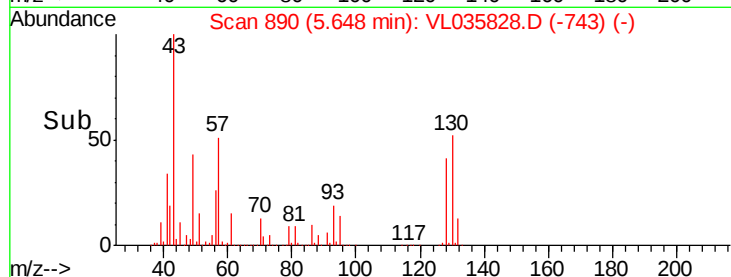
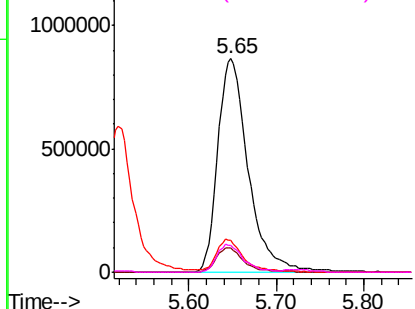
Abundance

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

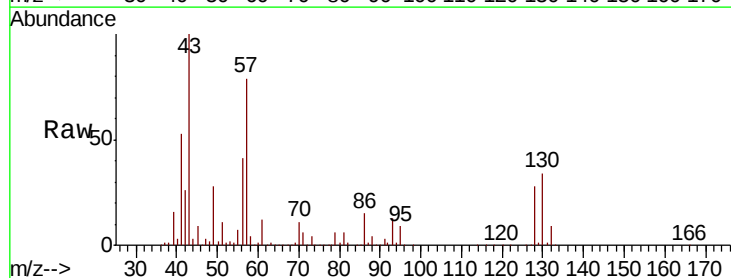
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.476 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.03 min
Lab File: VL035828.D
Acq: 4 Nov 2020 9:00

Tgt Ion: 57 Resp: 1163611

Ion	Ratio	Lower	Upper
57	100		
41	71.0	58.9	88.3
43	180.4	150.2	225.2
56	52.3	42.4	63.6



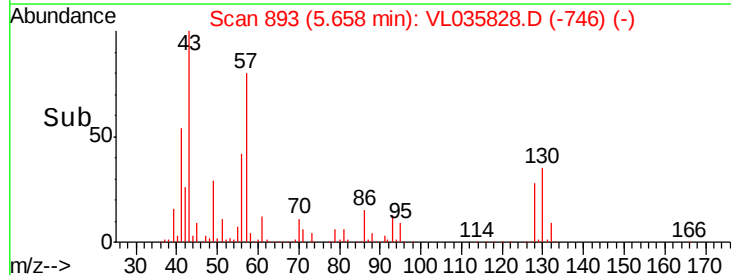
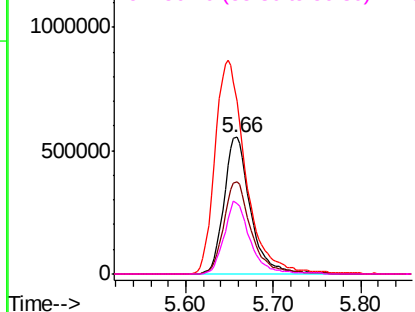
Abundance

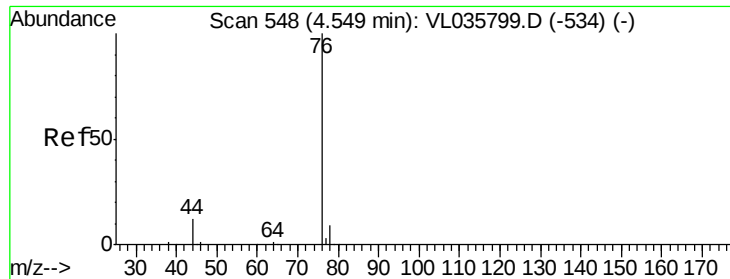
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 10.182 ppbv

RT: 4.52 min Scan# 539

Delta R.T. -0.03 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

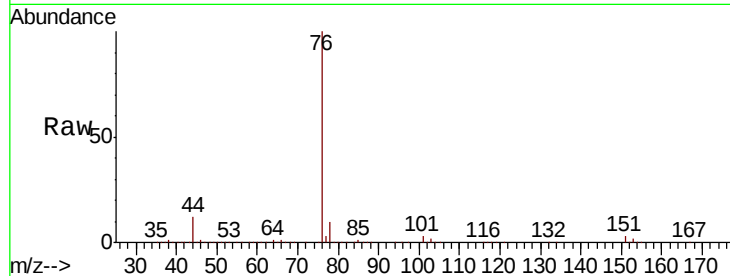
Tot Ion: 76 Resp: 1873459

Ion Ratio Lower Upper

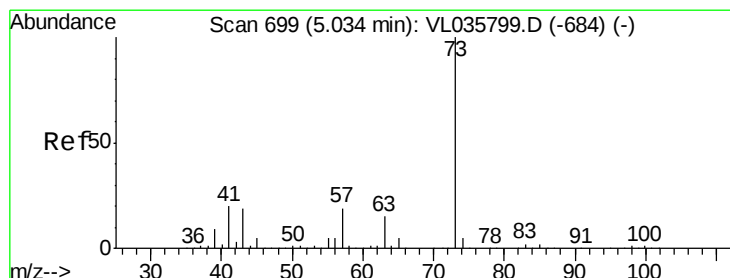
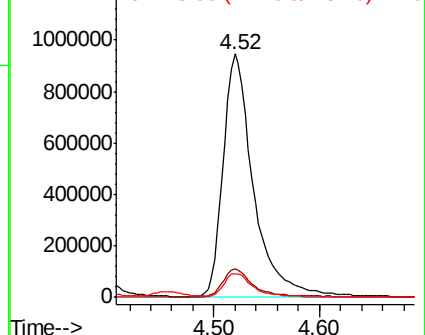
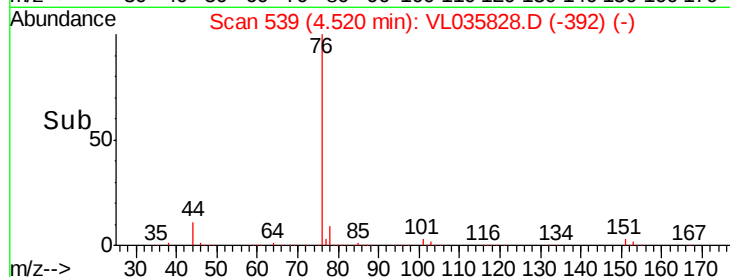
76 100

44 11.7 9.9 14.9

78 9.8 8.1 12.1



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: 9.841 ppbv

RT: 5.01 min Scan# 690

Delta R.T. -0.03 min

Lab File: VL035828.D

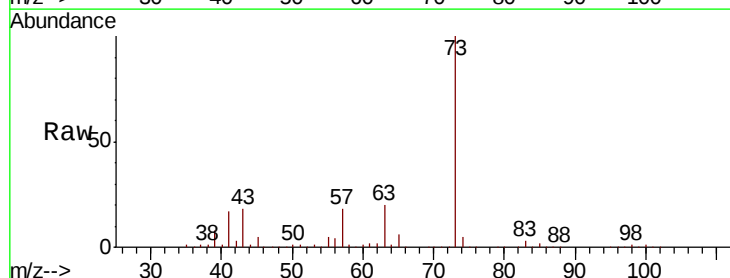
Acq: 4 Nov 2020 9:00

Tgt Ion: 73 Resp: 2170030

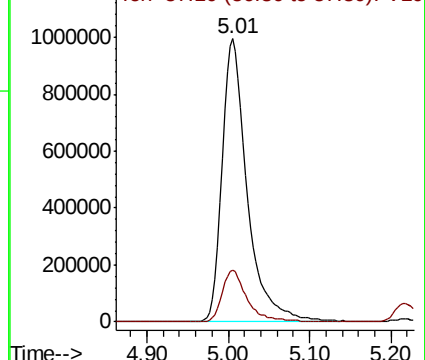
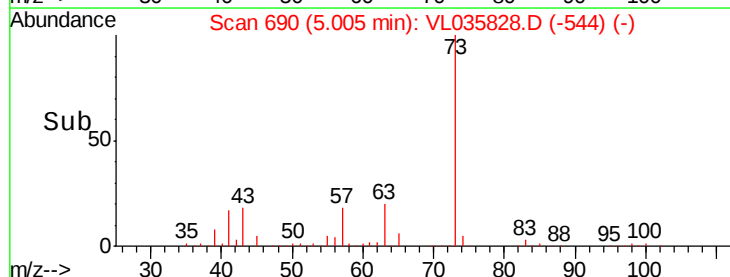
Ion Ratio Lower Upper

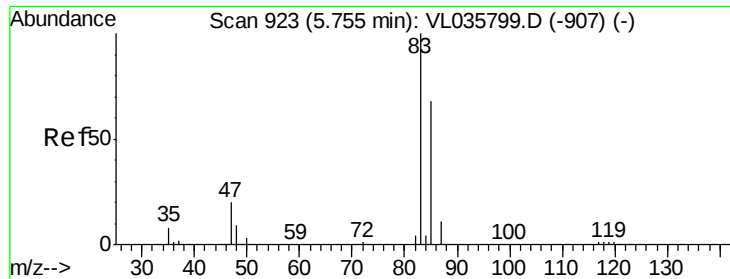
73 100

57 18.3 15.4 23.2



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

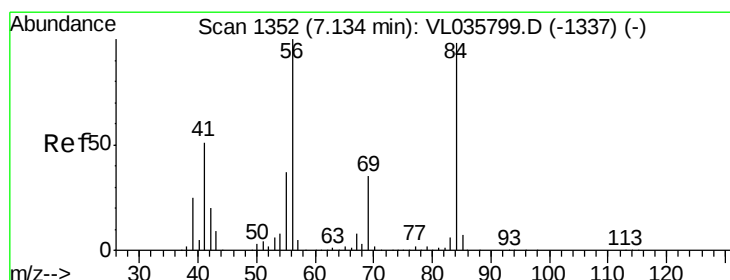
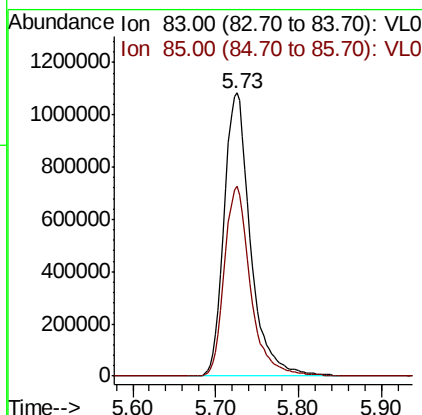
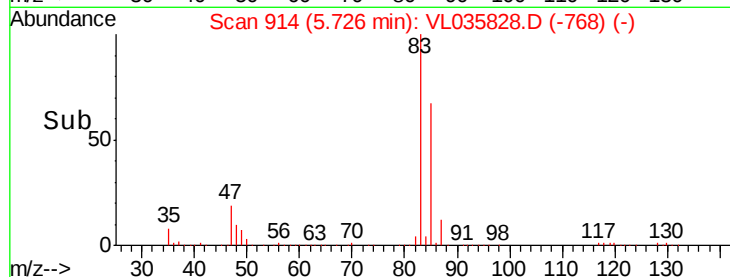
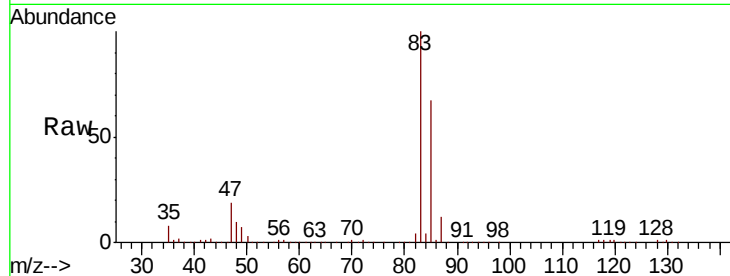




#29
Chloroform
Concen: 9.915 ppbv
RT: 5.73 min Scan# 914
Delta R.T. -0.03 min
Lab File: VL035828.D
Acq: 4 Nov 2020 9:00

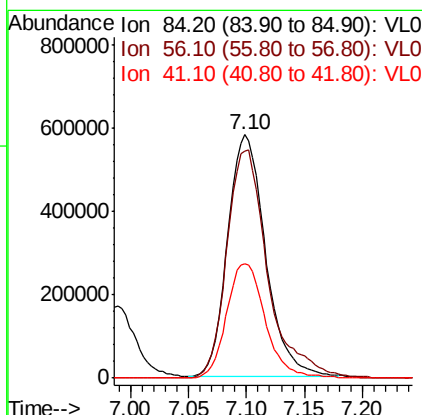
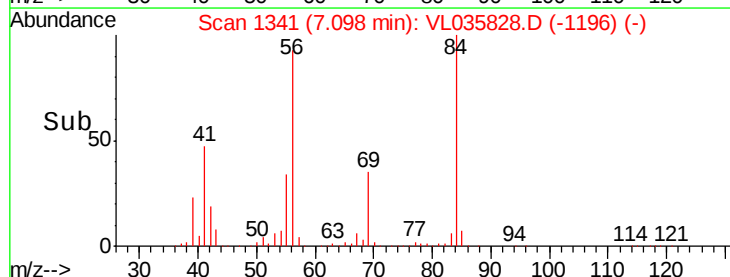
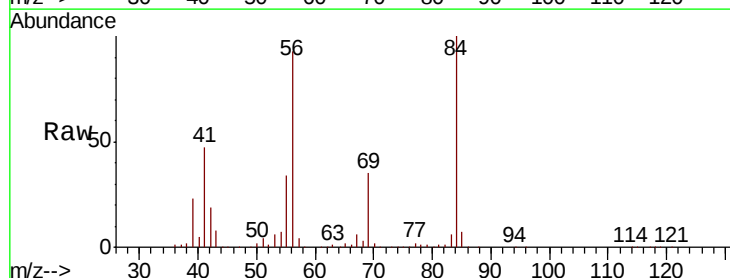
Instrument :
MSVOA_L
ClientSampled :

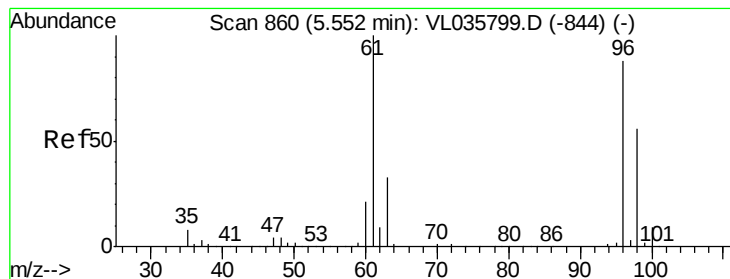
Tot Ion: 83 Resp: 2392903
Ion Ratio Lower Upper
83 100
85 67.0 54.6 81.8



#30
Cyclohexane
Concen: 9.899 ppbv
RT: 7.10 min Scan# 1341
Delta R.T. -0.04 min
Lab File: VL035828.D
Acq: 4 Nov 2020 9:00

Tgt Ion: 84 Resp: 1323834
Ion Ratio Lower Upper
84 100
56 102.0 86.4 129.6
41 48.3 42.1 63.1





#31

cis-1,2-Dichloroethene

Concen: 9.907 ppbv

RT: 5.52 min Scan# 850

Delta R.T. -0.03 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

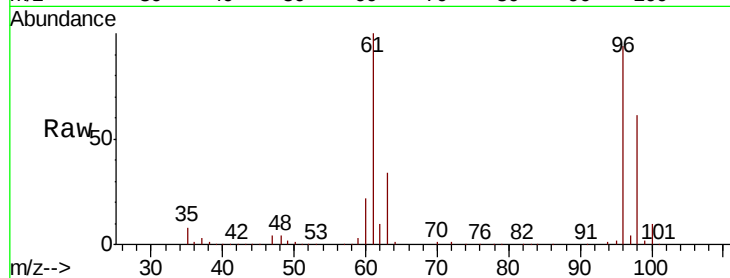
Tot Ion: 61 Resp: 1251422

Ion Ratio Lower Upper

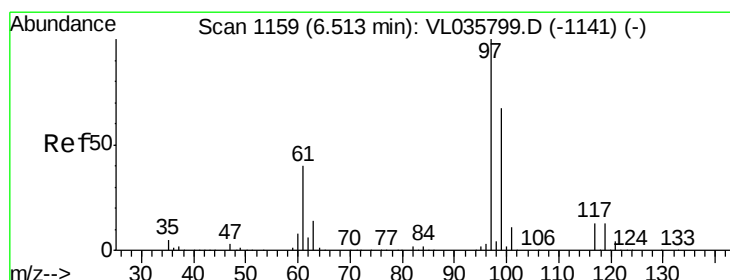
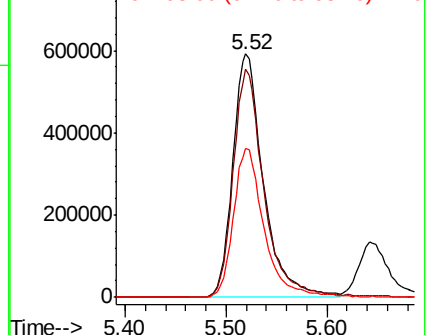
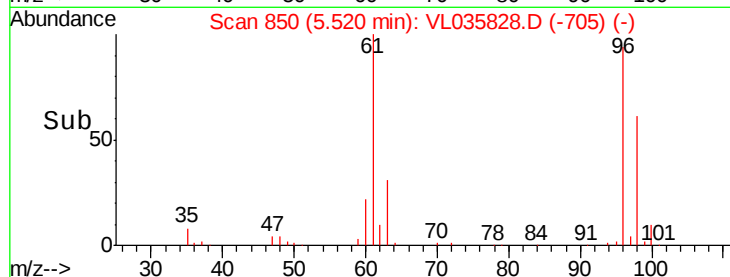
61 100

96 93.9 70.3 105.5

98 61.1 45.0 67.6



Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 9.594 ppbv

RT: 6.48 min Scan# 1149

Delta R.T. -0.03 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

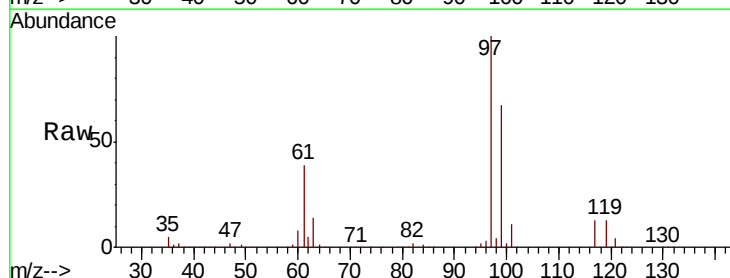
Tgt Ion: 97 Resp: 2416255

Ion Ratio Lower Upper

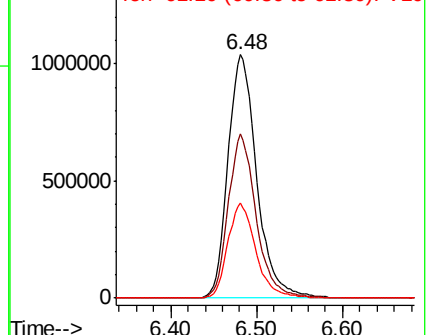
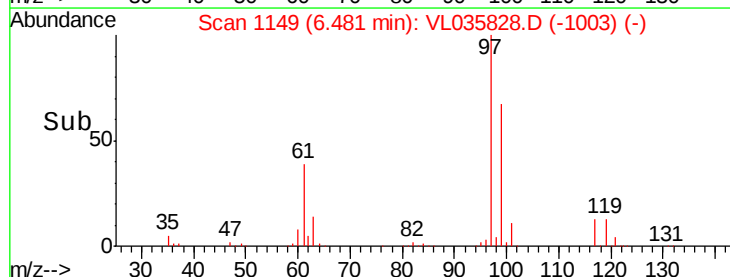
97 100

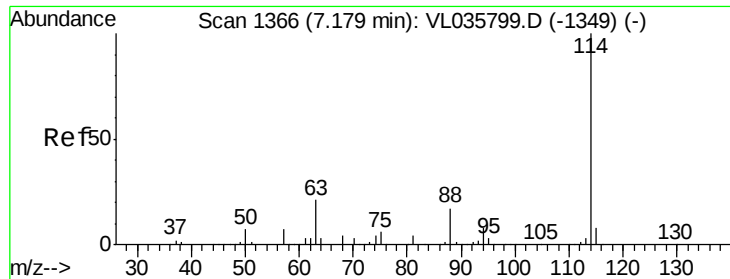
99 65.6 52.3 78.5

61 38.5 32.0 48.0



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0

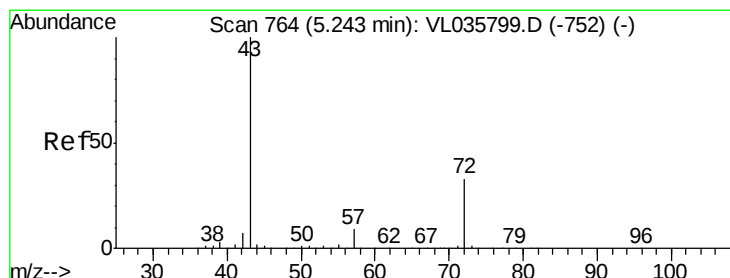
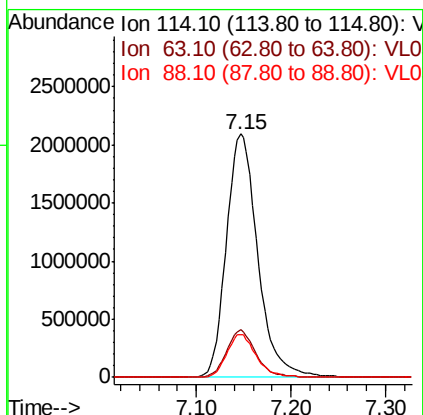
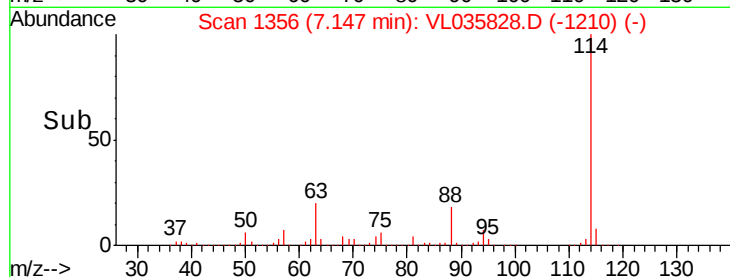
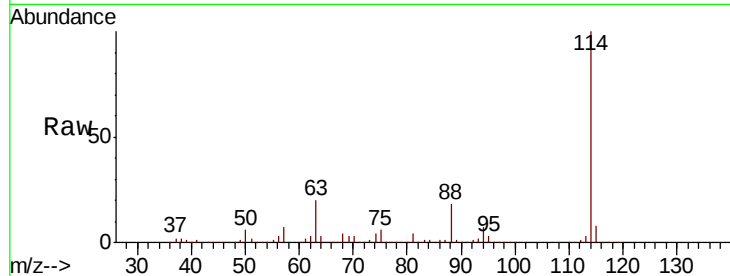




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1356
 Delta R.T. -0.03 min
 Lab File: VL035828.D
 Acq: 4 Nov 2020 9:00

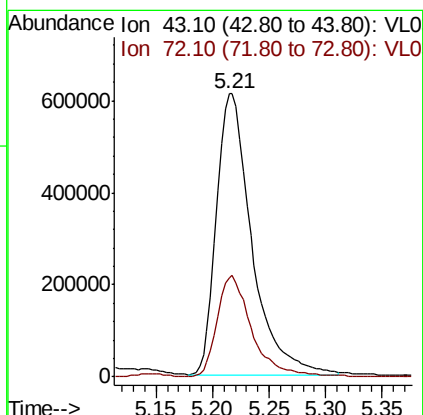
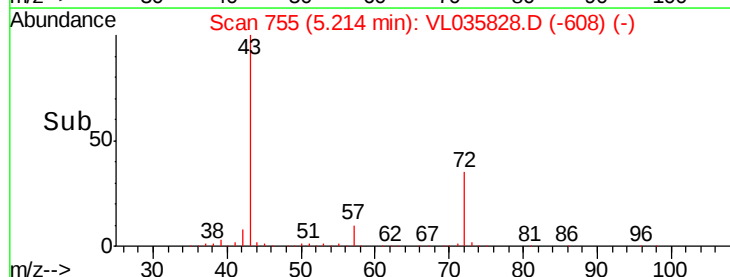
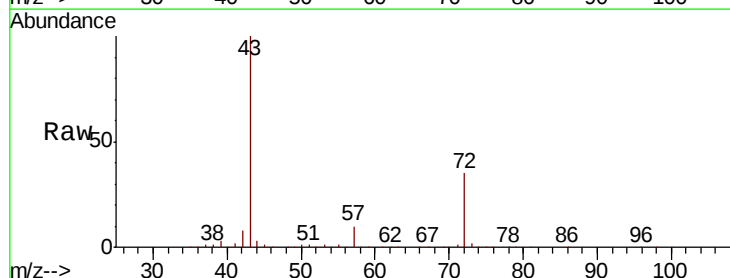
Instrument :
 MSVOA_L
 ClientSampled :

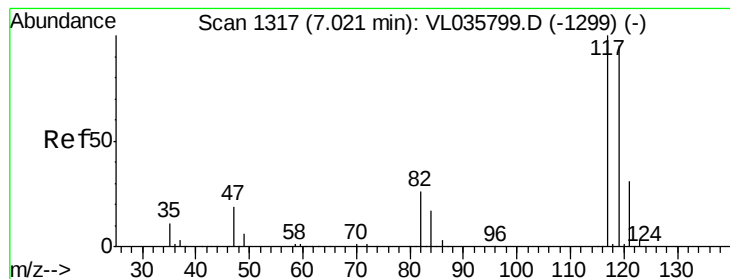
Tot Ion:114 Resp: 4818108
 Ion Ratio Lower Upper
 114 100
 63 18.5 16.1 24.1
 88 16.8 13.7 20.5



#34
 2-Butanone
 Concen: 8.496 ppbv
 RT: 5.21 min Scan# 755
 Delta R.T. -0.03 min
 Lab File: VL035828.D
 Acq: 4 Nov 2020 9:00

Tgt Ion: 43 Resp: 1328444
 Ion Ratio Lower Upper
 43 100
 72 35.6 26.5 39.7





#35

Carbon Tetrachloride

Concen: 9.419 ppbv

RT: 6.99 min Scan# 1307

Delta R.T. -0.03 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

Instrument :

MSVOA_L

ClientSampled :

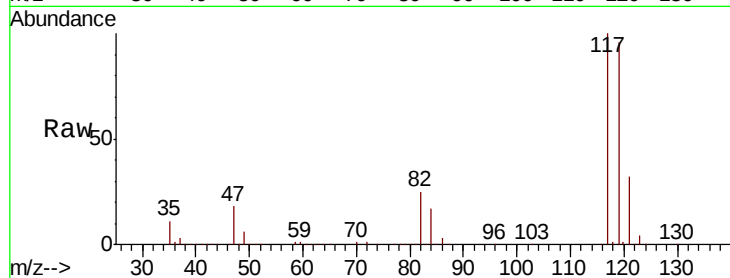
Tot Ion:117 Resp: 2424788

Ion Ratio Lower Upper

117 100

119 95.9 75.6 113.4

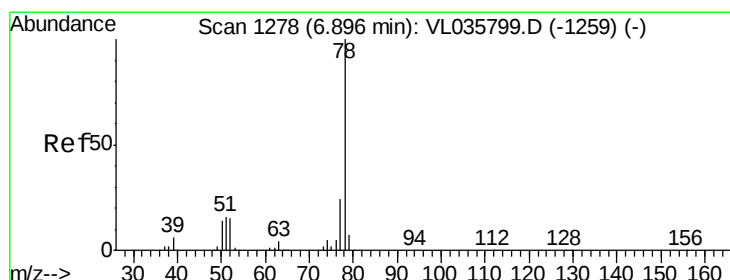
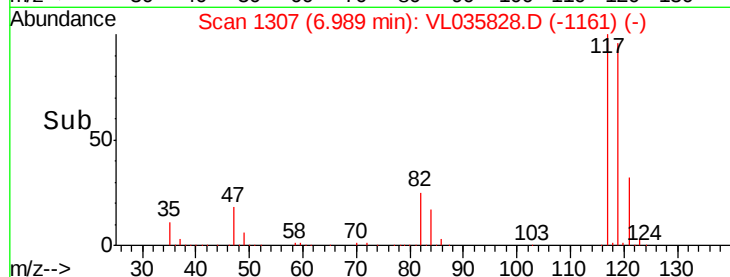
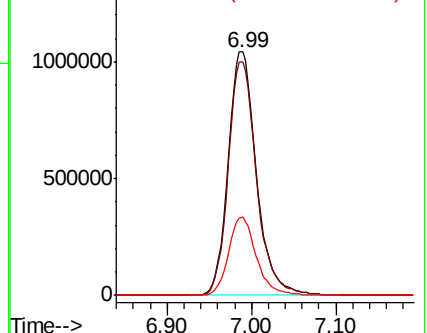
121 32.0 25.1 37.7



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: 8.819 ppbv

RT: 6.86 min Scan# 1267

Delta R.T. -0.04 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

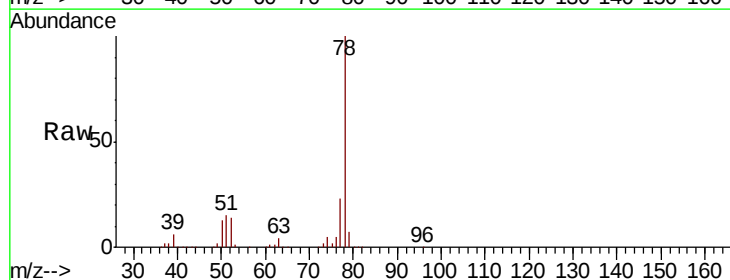
Tgt Ion: 78 Resp: 3159036

Ion Ratio Lower Upper

78 100

77 23.4 19.3 28.9

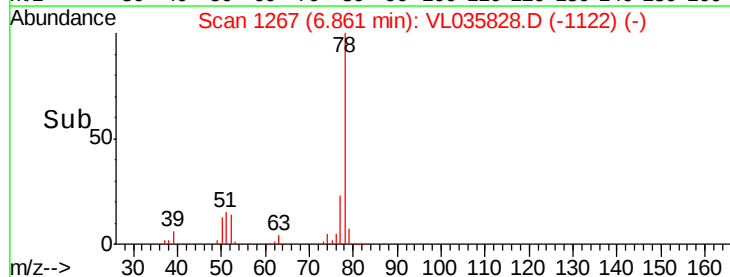
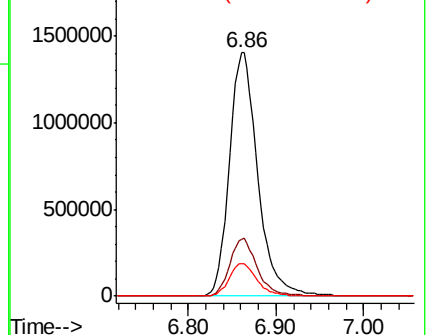
50 13.4 11.4 17.2

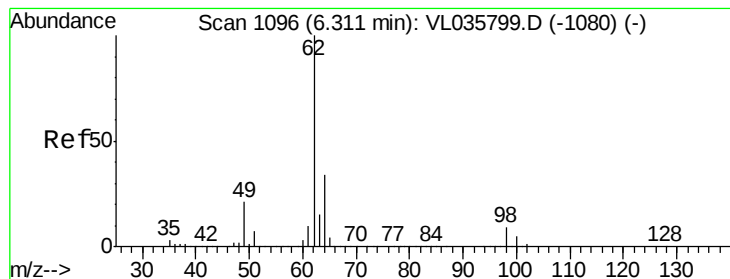


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 9.182 ppbv

RT: 6.28 min Scan# 1086

Delta R.T. -0.03 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

Instrument :

MSVOA_L

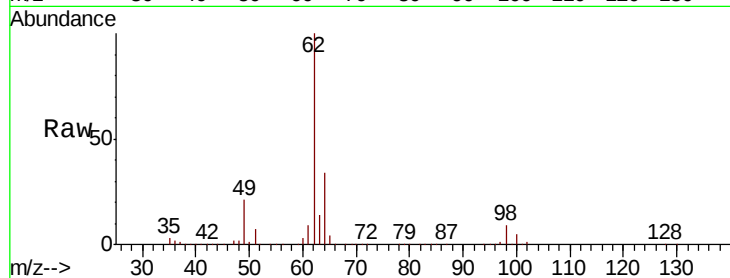
ClientSampleId :

Tot Ion: 62 Resp: 1490042

Ion Ratio Lower Upper

62 100

98 8.8 6.9 10.3



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.28

800000

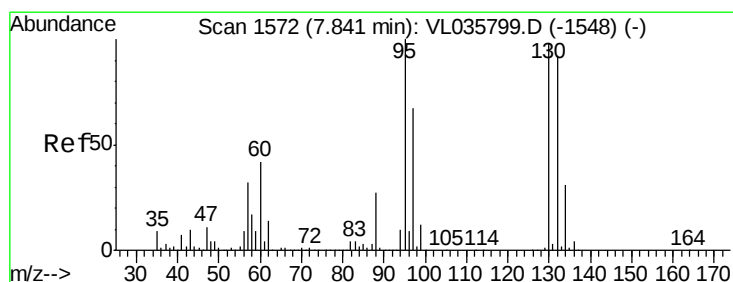
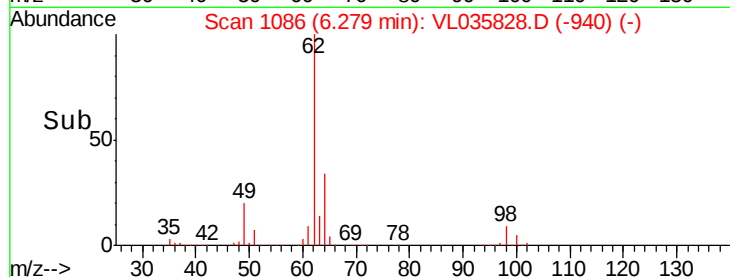
600000

400000

200000

0

Time-->



#38

Trichloroethene

Concen: 8.680 ppbv

RT: 7.81 min Scan# 1561

Delta R.T. -0.04 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

Tgt Ion:130 Resp: 1518647

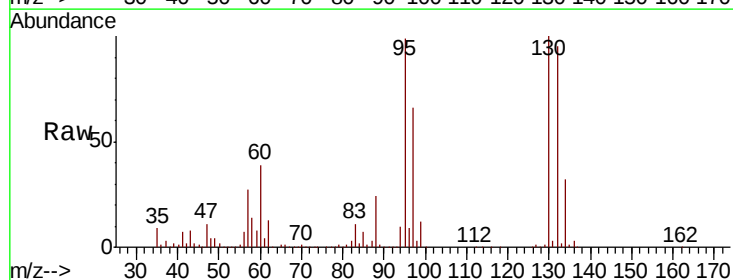
Ion Ratio Lower Upper

130 100

95 98.6 81.6 122.4

132 95.2 75.1 112.7

97 66.0 54.6 81.8



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

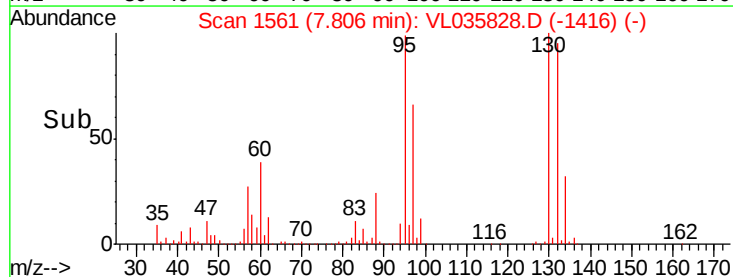
600000

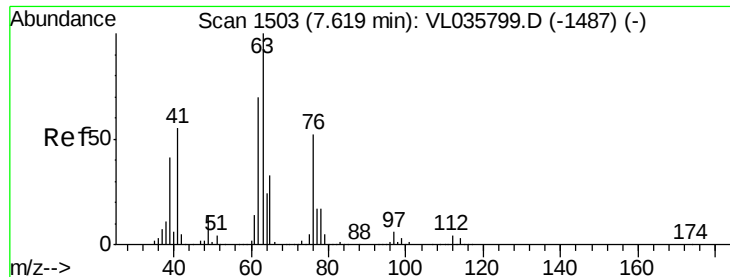
400000

200000

0

Time-->





#39

1,2-Dichloropropane

Concen: 8.523 ppbv

RT: 7.58 min Scan# 1492

Delta R.T. -0.04 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

Instrument :

MSVOA_L

ClientSampled :

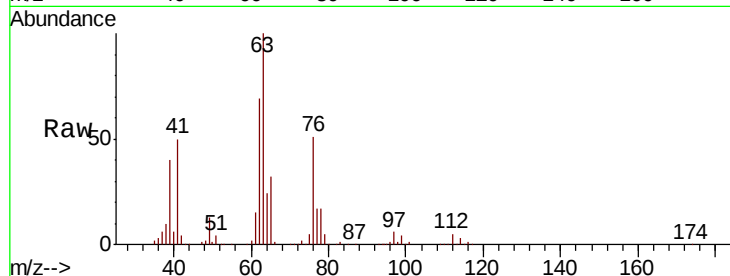
Tot Ion: 63 Resp: 1027861

Ion Ratio Lower Upper

63 100

41 50.2 43.8 65.6

62 69.2 56.2 84.2

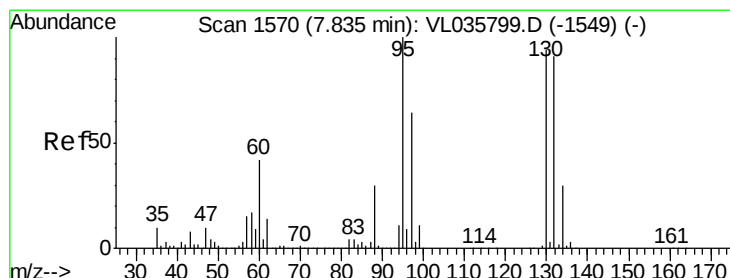
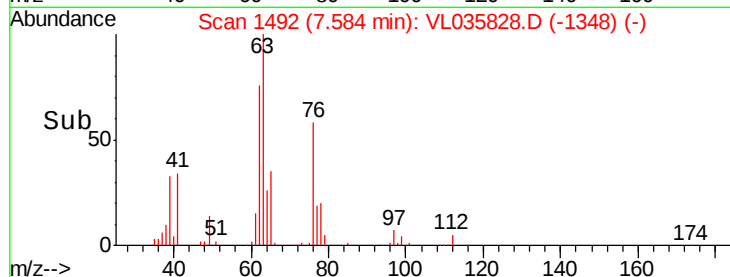
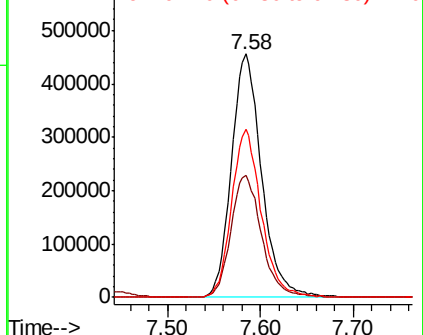


Abundance

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: 7.986 ppbv

RT: 7.80 min Scan# 1560

Delta R.T. -0.03 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

Tgt Ion: 88 Resp: 456461

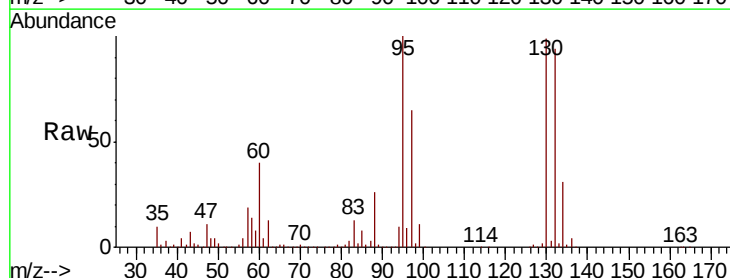
Ion Ratio Lower Upper

88 100

58 94.0 76.2 114.2

43 152.2 123.1 184.7

57 863.2 661.0 991.4



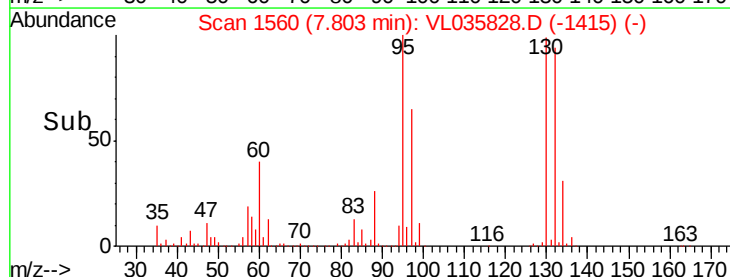
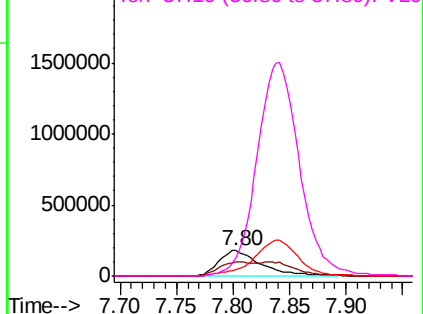
Abundance

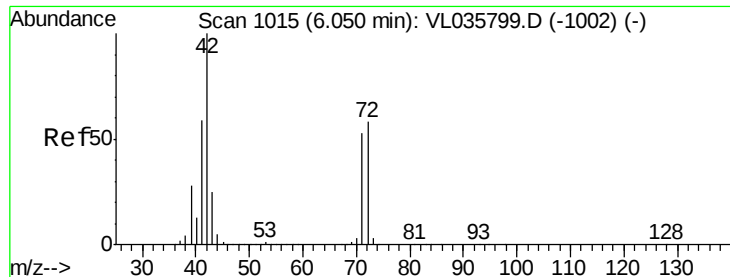
Ion 88.10 (87.80 to 88.80): VL0

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: 8.888 ppbv

RT: 6.02 min Scan# 1005

Delta R.T. -0.03 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

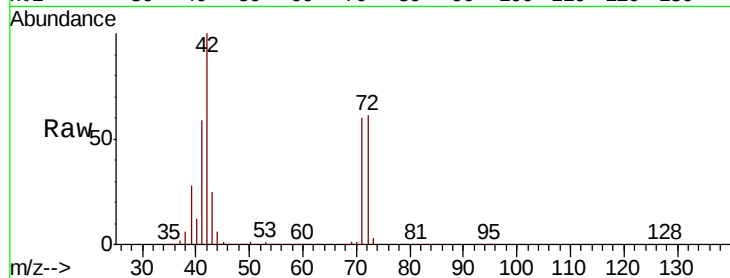
Tot Ion: 42 Resp: 789564

Ion Ratio Lower Upper

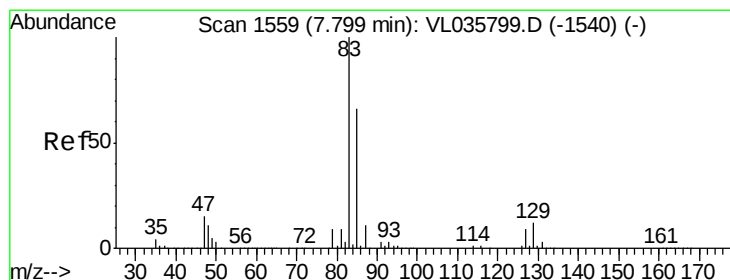
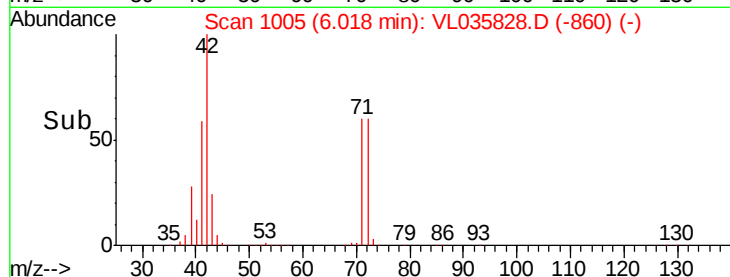
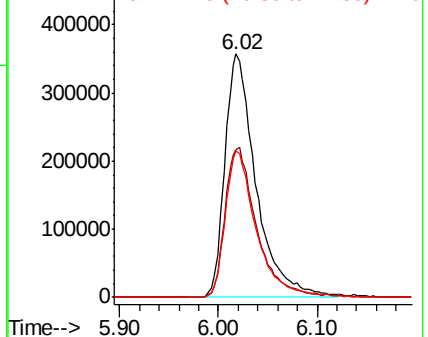
42 100

72 63.3 45.4 68.0

71 60.3 43.4 65.2



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: 9.113 ppbv

RT: 7.76 min Scan# 1547

Delta R.T. -0.04 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

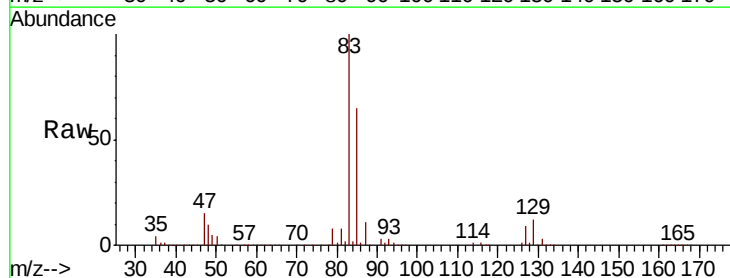
Tgt Ion: 83 Resp: 2495315

Ion Ratio Lower Upper

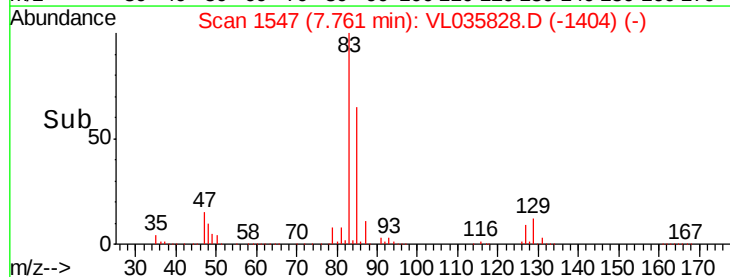
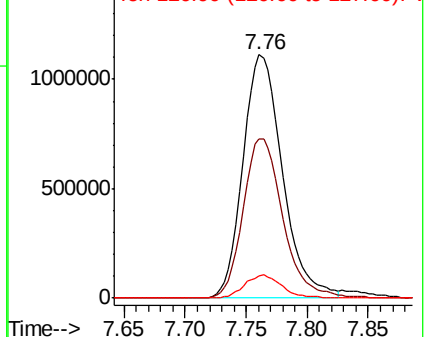
83 100

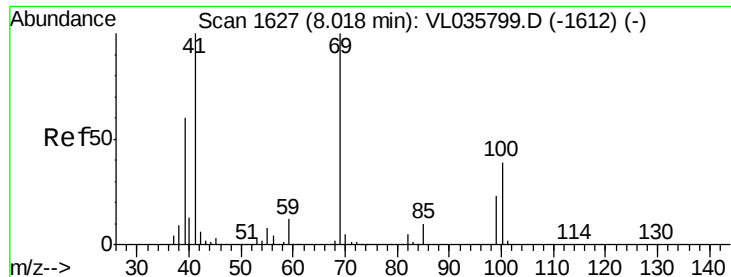
85 65.4 53.1 79.7

127 9.3 7.3 10.9



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: 9.221 ppbv

RT: 7.98 min Scan# 1616

Delta R.T. -0.04 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

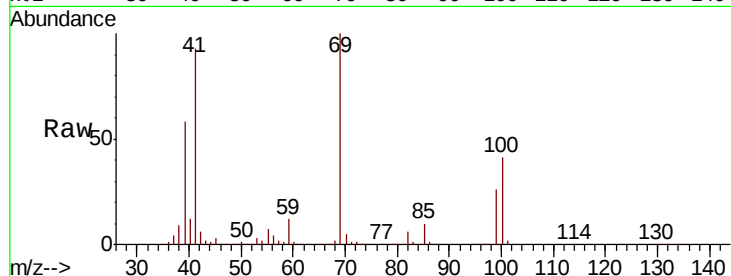
Tot Ion: 69 Resp: 1259871

Ion Ratio Lower Upper

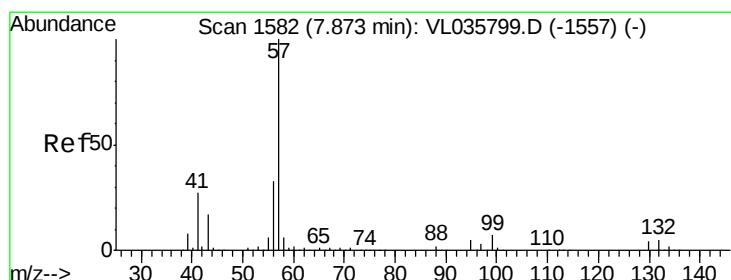
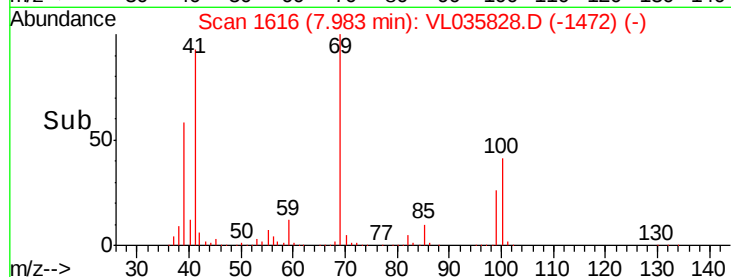
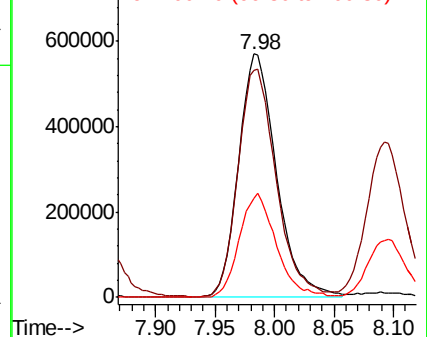
69 100

41 94.9 81.1 121.7

100 41.5 31.0 46.4



Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 8.304 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. -0.03 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

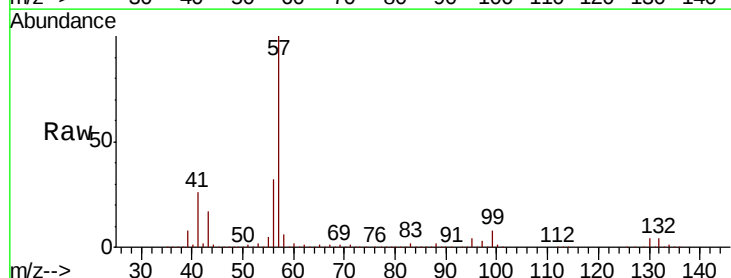
Tgt Ion: 57 Resp: 3936123

Ion Ratio Lower Upper

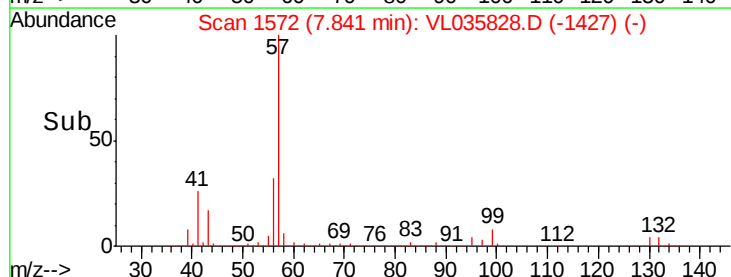
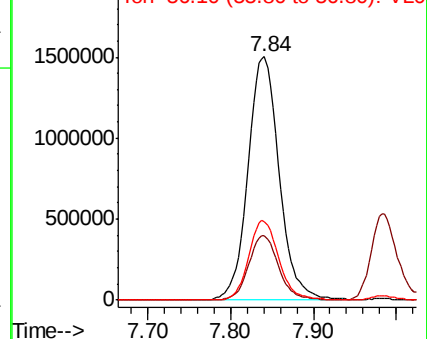
57 100

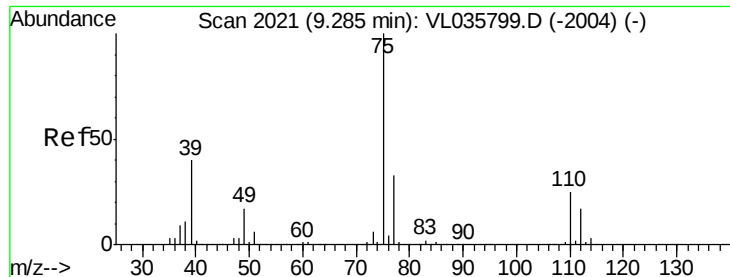
41 25.3 21.0 31.4

56 31.4 25.4 38.0



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 9.849 ppbv

RT: 9.25 min Scan# 2010

Delta R.T. -0.04 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

Instrument :

MSVOA_L

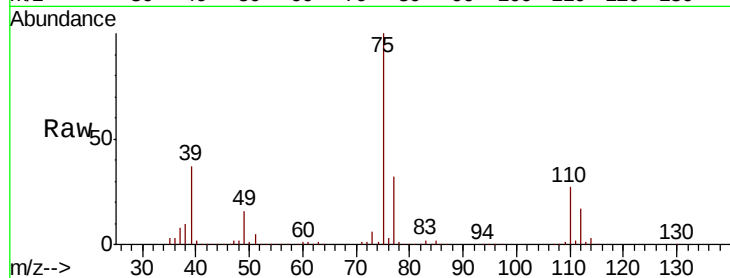
ClientSampleId :

Tot Ion: 75 Resp: 1426434

Ion Ratio Lower Upper

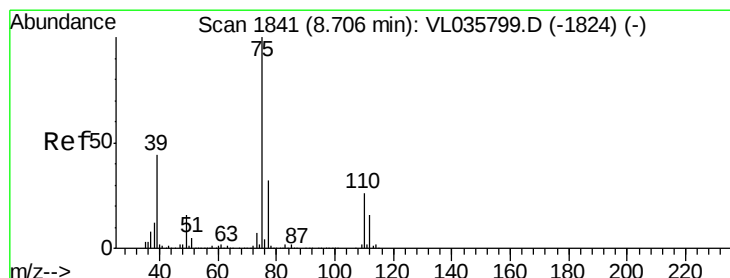
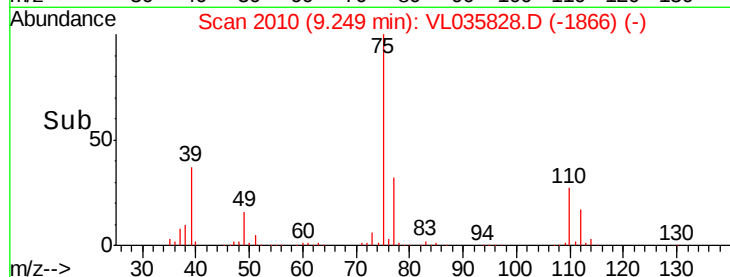
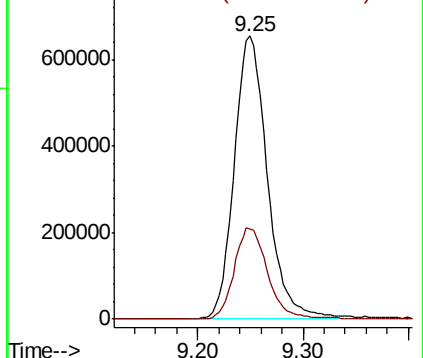
75 100

77 31.8 26.4 39.6



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 9.401 ppbv

RT: 8.67 min Scan# 1831

Delta R.T. -0.03 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

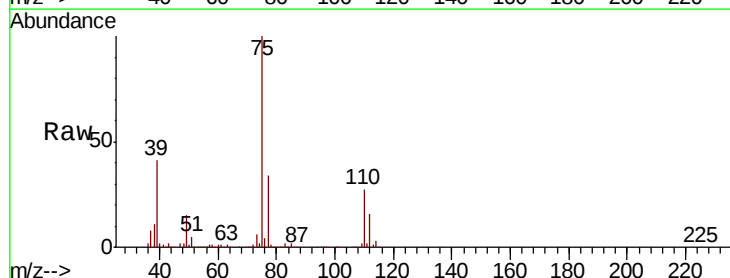
Tgt Ion: 75 Resp: 1724381

Ion Ratio Lower Upper

75 100

39 41.2 35.1 52.7

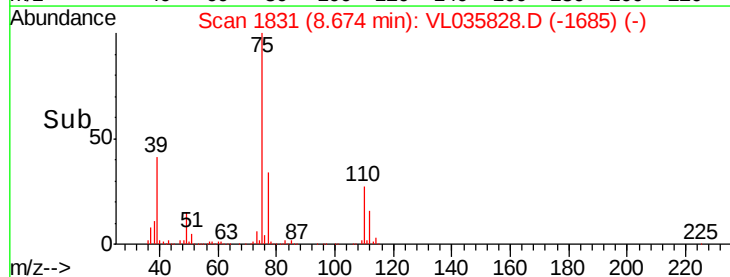
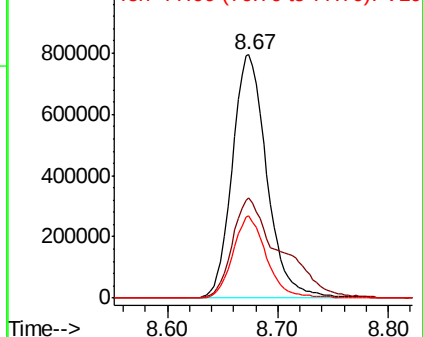
77 33.6 25.7 38.5

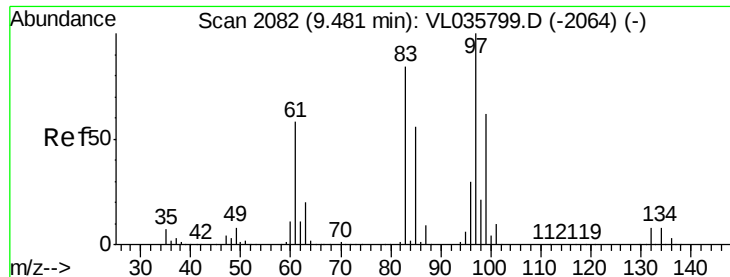


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0



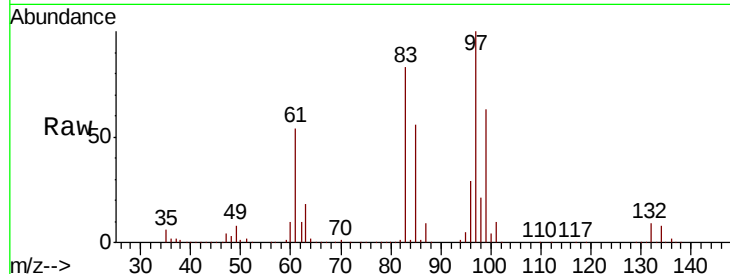


#47
 1,1,2-Trichloroethane
 Concen: 8.955 ppbv
 RT: 9.45 min Scan# 2071
 Delta R.T. -0.04 min
 Lab File: VL035828.D
 Acq: 4 Nov 2020 9:00

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 97 Resp: 1471423

Ion	Ratio	Lower	Upper
97	100		
83	83.5	67.1	100.7
85	56.0	44.7	67.1
99	63.0	49.7	74.5



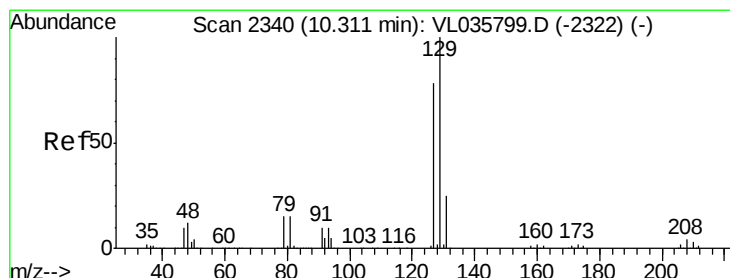
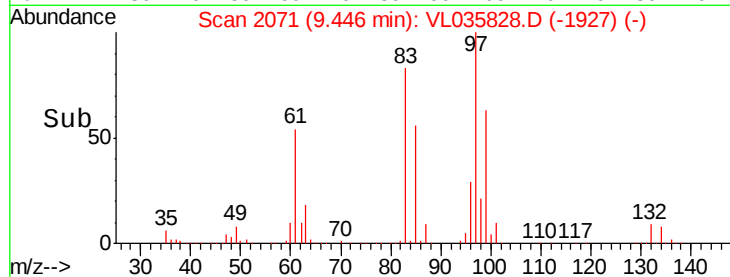
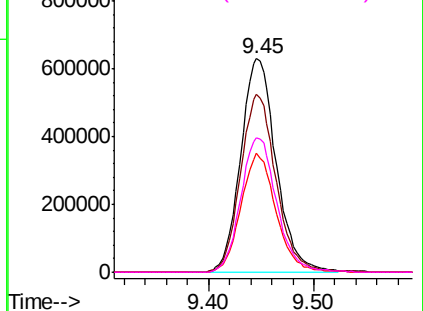
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

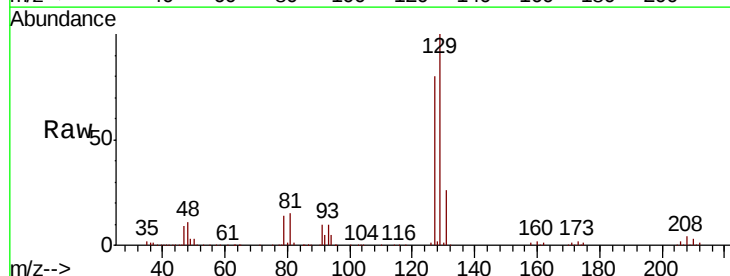
Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 9.675 ppbv
 RT: 10.28 min Scan# 2329
 Delta R.T. -0.04 min
 Lab File: VL035828.D
 Acq: 4 Nov 2020 9:00

Tgt Ion: 129 Resp: 2428862

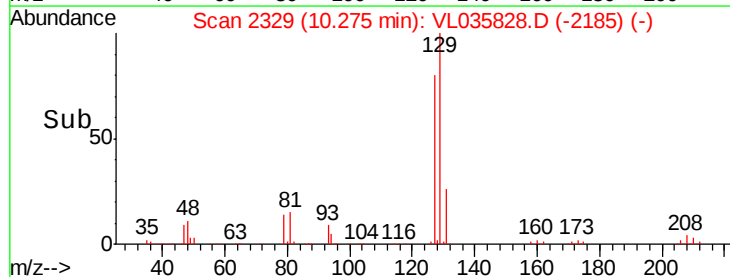
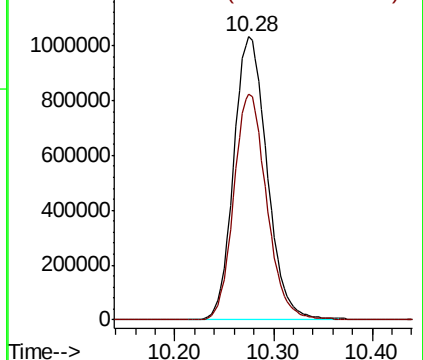
Ion	Ratio	Lower	Upper
129	100		
127	79.0	39.2	117.6

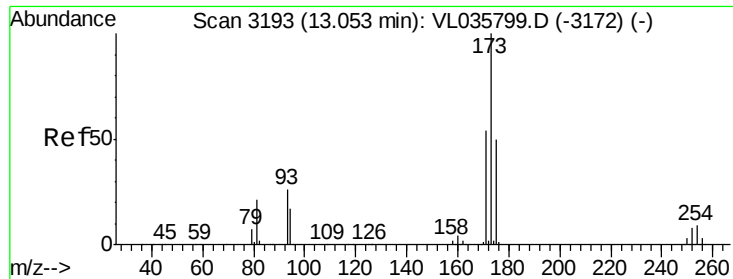


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 9.810 ppbv

RT: 13.01 min Scan# 3180

Delta R.T. -0.04 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

Instrument :

MSVOA_L

ClientSampled :

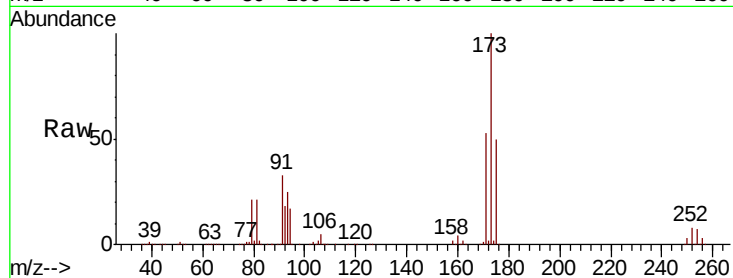
Tot Ion:173 Resp: 2078161

Ion Ratio Lower Upper

173 100

175 50.0 40.1 60.1

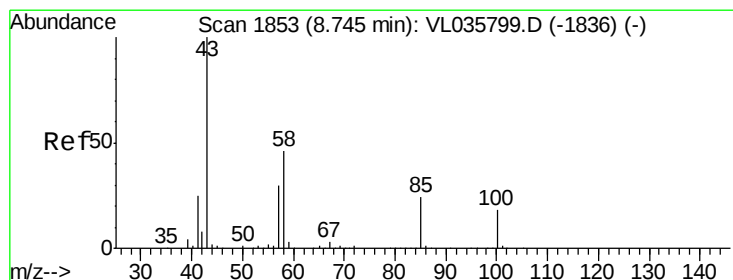
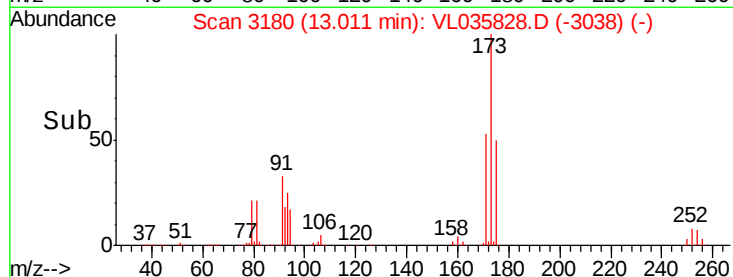
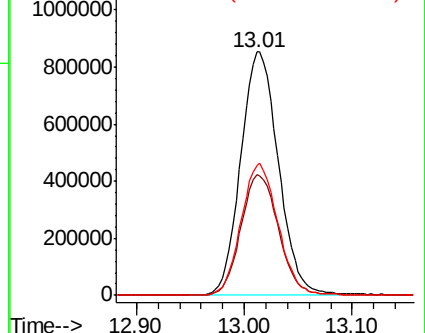
171 53.2 42.6 63.8



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: 8.510 ppbv

RT: 8.71 min Scan# 1843

Delta R.T. -0.03 min

Lab File: VL035828.D

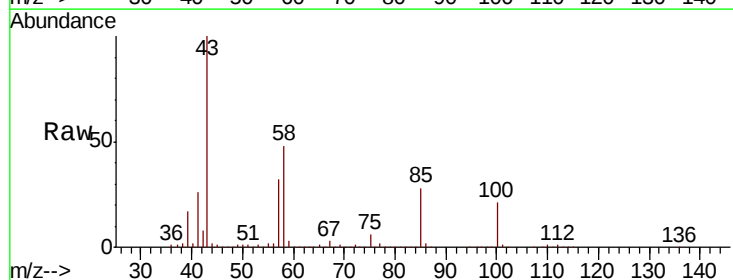
Acq: 4 Nov 2020 9:00

Tgt Ion: 43 Resp: 2034884

Ion Ratio Lower Upper

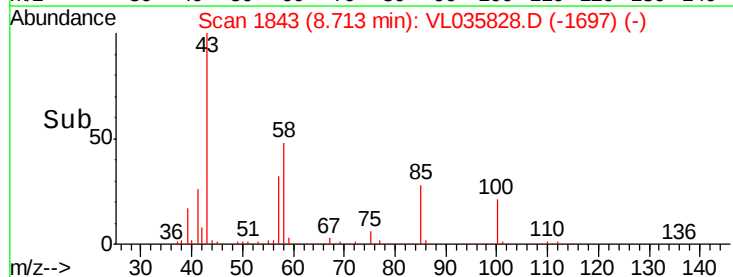
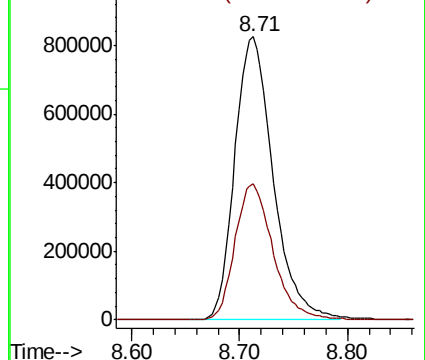
43 100

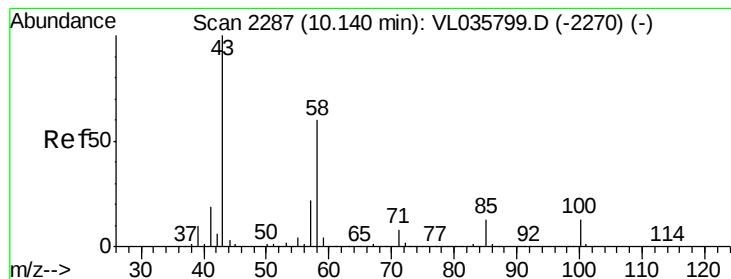
58 47.8 36.0 54.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 8.813 ppbv

RT: 10.10 min Scan# 2276

Delta R.T. -0.04 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

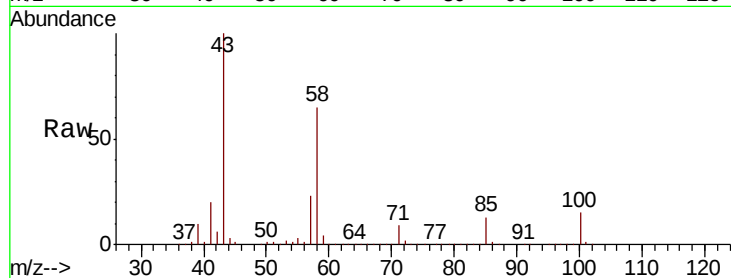
Tot Ion: 43 Resp: 1692831

Ion Ratio Lower Upper

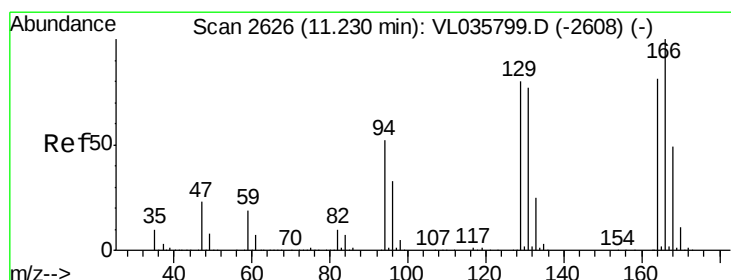
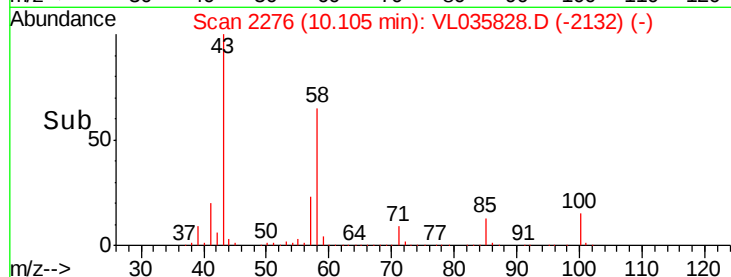
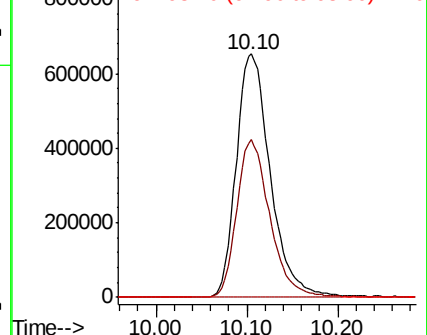
43 100

58 63.6 48.3 72.5

98 0.4 0.6 0.8#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 8.547 ppbv

RT: 11.19 min Scan# 2614

Delta R.T. -0.04 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

Tgt Ion:164 Resp: 1450496

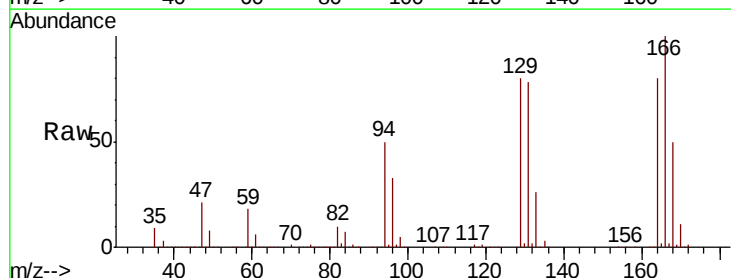
Ion Ratio Lower Upper

164 100

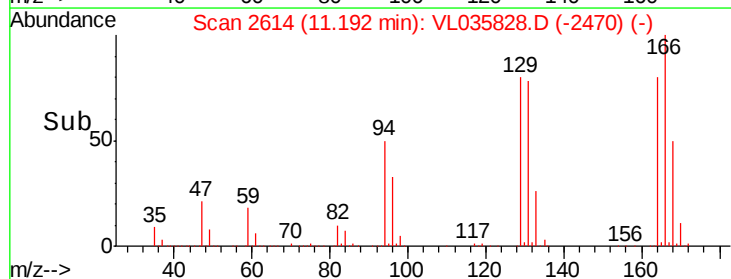
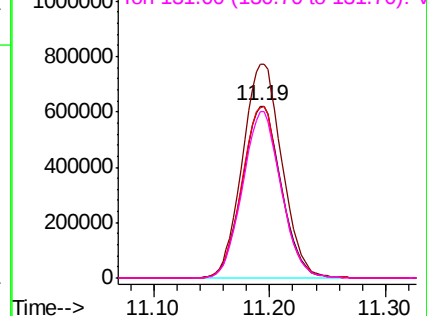
166 124.5 99.3 148.9

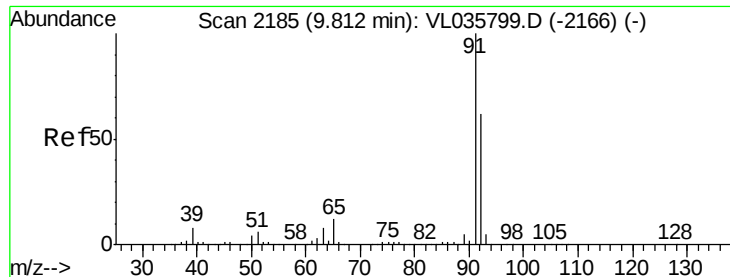
129 99.1 79.3 118.9

131 97.0 76.5 114.7



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 8.984 ppbv

RT: 9.78 min Scan# 2174

Delta R.T. -0.04 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

Instrument :

MSVOA_L

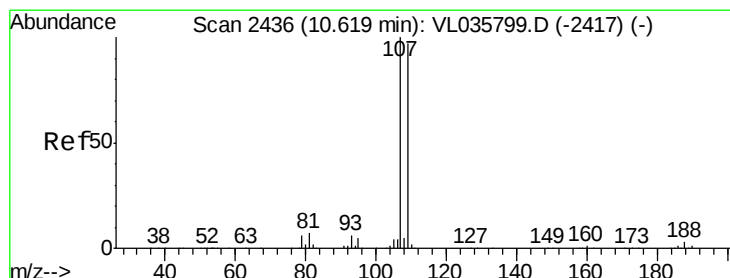
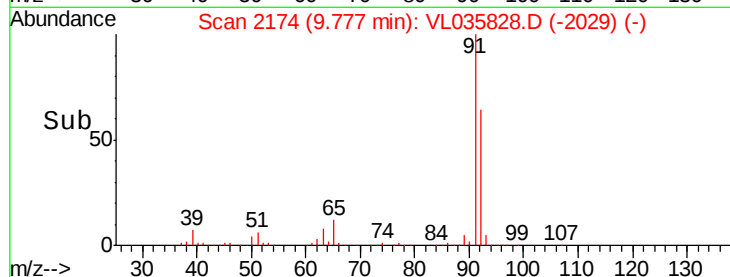
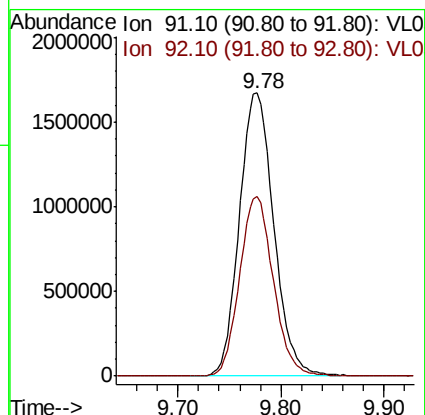
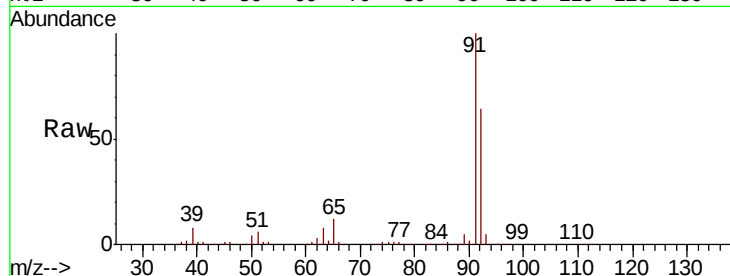
ClientSampleId :

Tot Ion: 91 Resp: 3883135

Ion Ratio Lower Upper

91 100

92 62.6 49.8 74.6



#54

1,2-Dibromoethane

Concen: 9.155 ppbv

RT: 10.58 min Scan# 2425

Delta R.T. -0.04 min

Lab File: VL035828.D

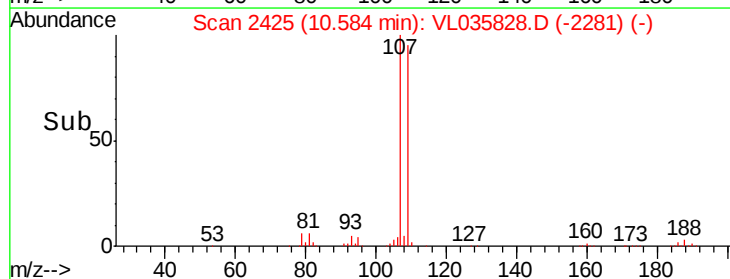
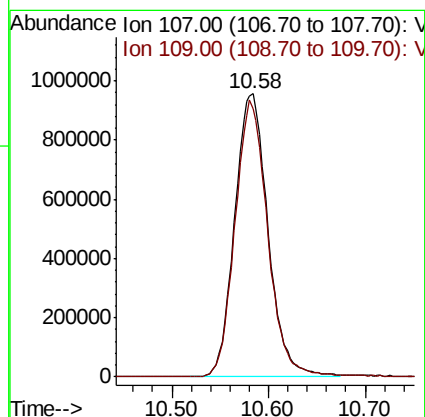
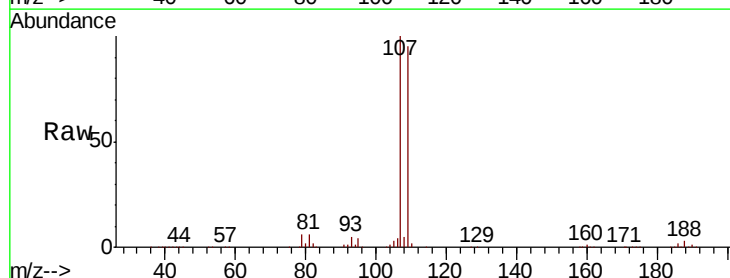
Acq: 4 Nov 2020 9:00

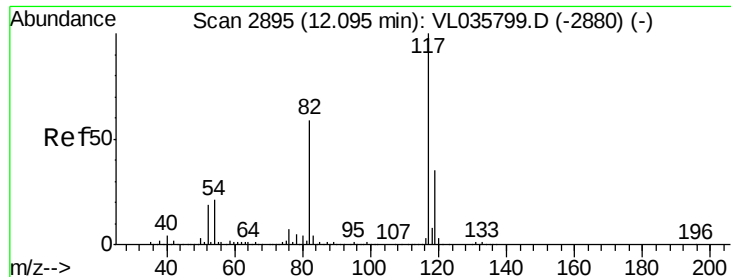
Tgt Ion: 107 Resp: 2287879

Ion Ratio Lower Upper

107 100

109 94.8 77.2 115.8





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2883

Delta R.T. -0.04 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

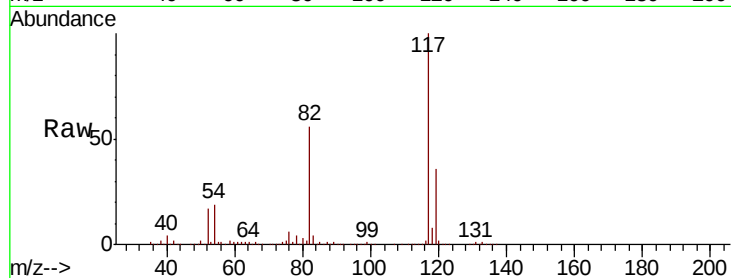
Tot Ion:117 Resp: 5698592

Ion Ratio Lower Upper

117 100

82 44.9 50.6 76.0#

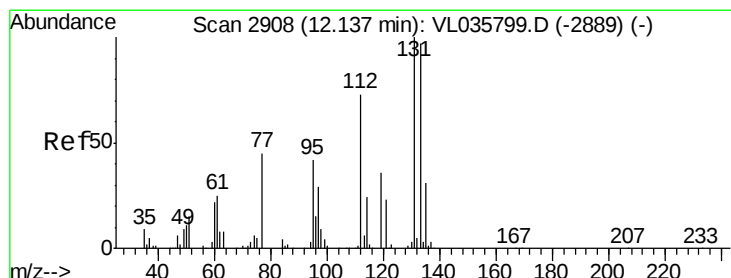
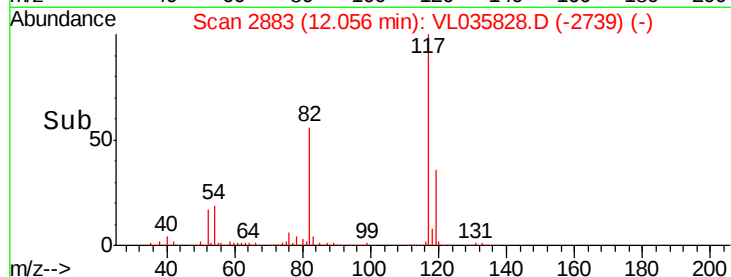
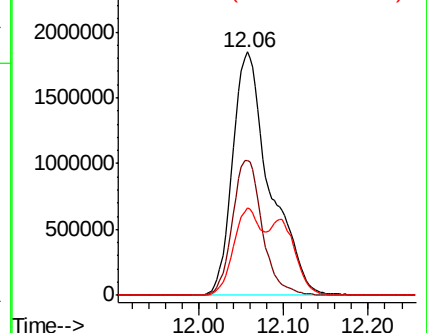
119 28.8 52.6 78.8#



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: 7.430 ppbv

RT: 12.10 min Scan# 2895

Delta R.T. -0.04 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

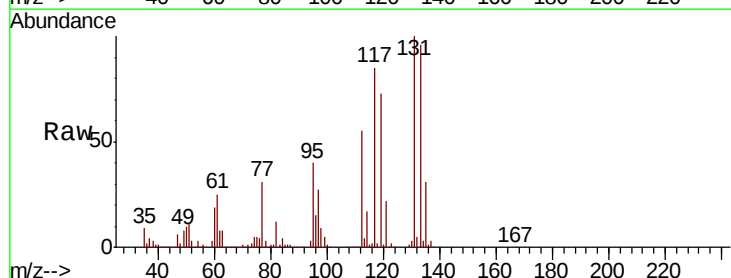
Tgt Ion:131 Resp: 1900371

Ion Ratio Lower Upper

131 100

133 95.6 76.8 115.2

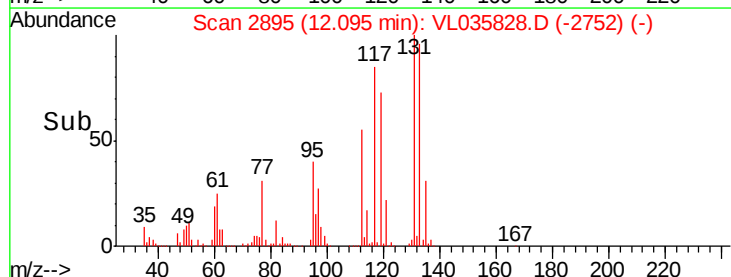
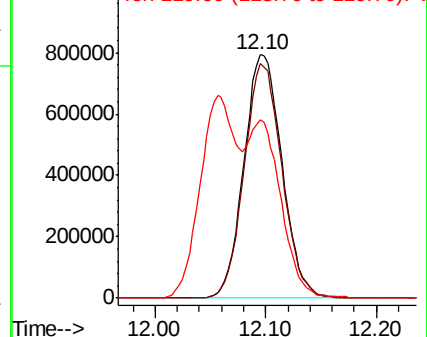
119 60.0 47.4 71.0

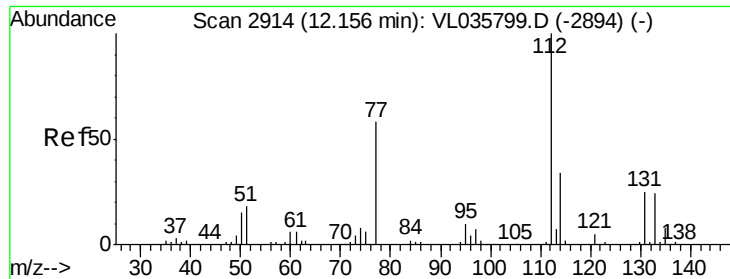


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 6.954 ppbv

RT: 12.12 min Scan# 2902

Delta R.T. -0.04 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

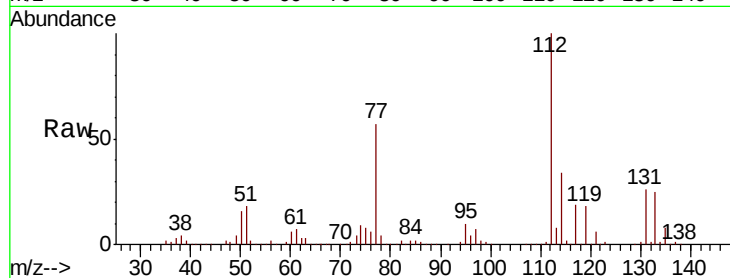
Tot Ion:112 Resp: 3150636

Ion Ratio Lower Upper

112 100

77 56.3 47.5 71.3

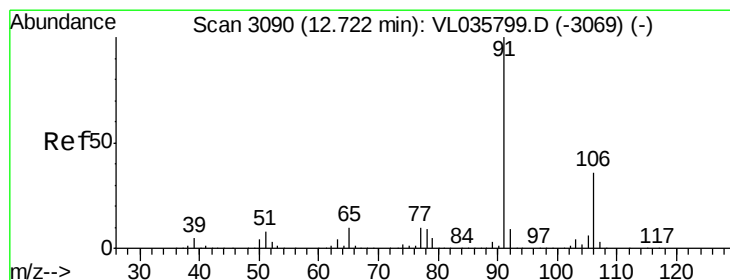
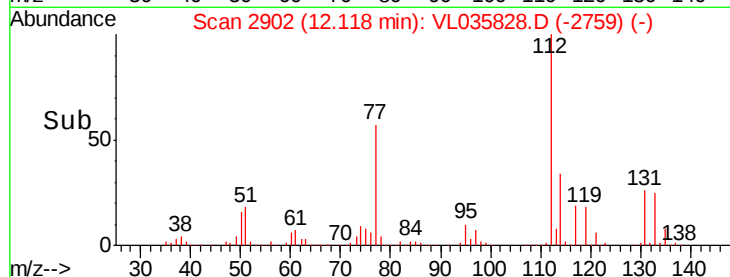
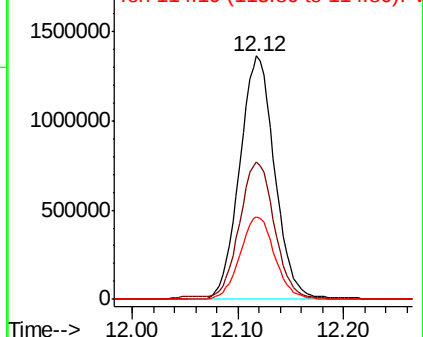
114 33.9 30.3 37.1



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: 7.180 ppbv

RT: 12.68 min Scan# 3077

Delta R.T. -0.04 min

Lab File: VL035828.D

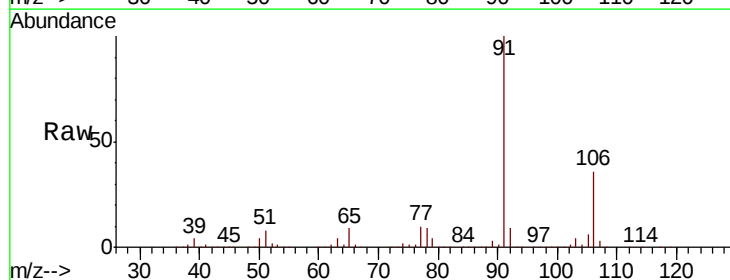
Acq: 4 Nov 2020 9:00

Tgt Ion: 91 Resp: 4983110

Ion Ratio Lower Upper

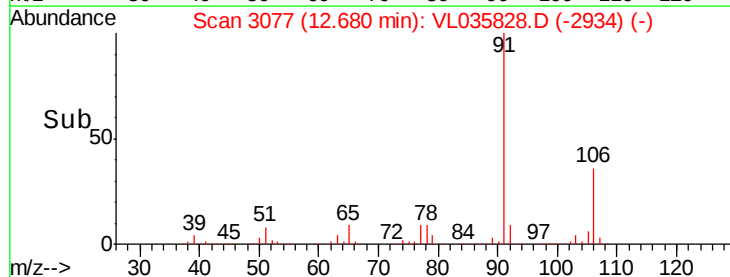
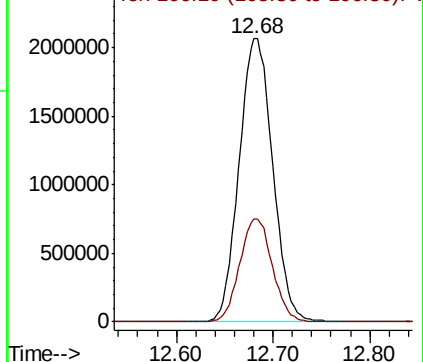
91 100

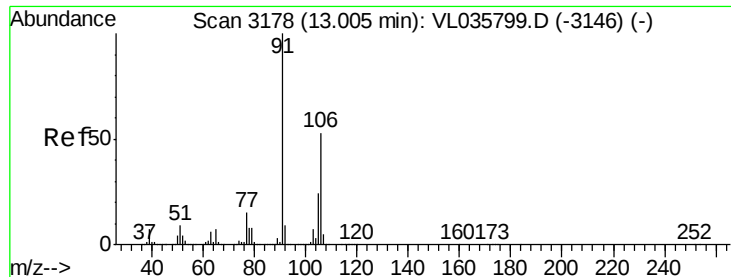
106 36.2 28.6 43.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

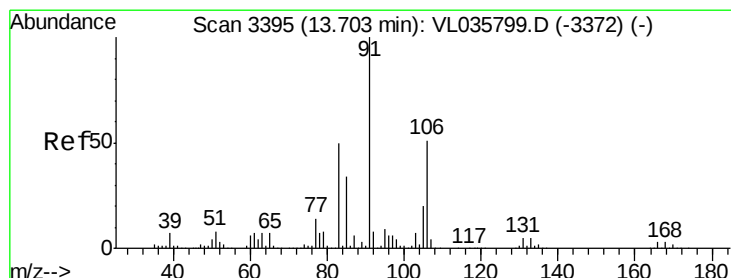
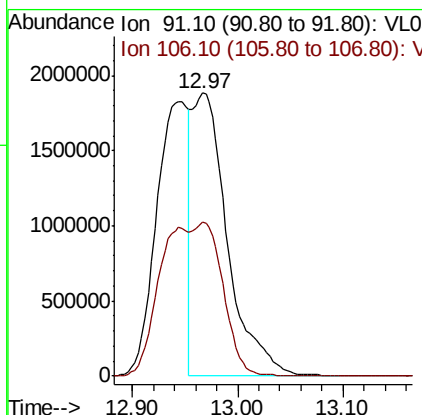
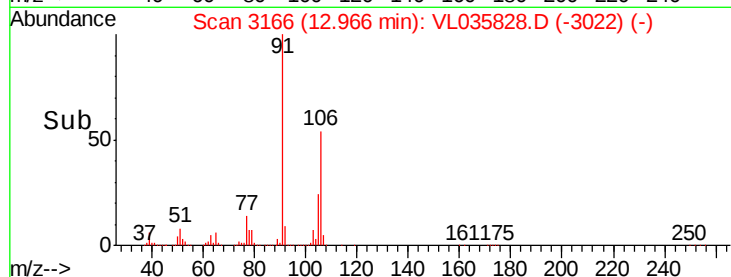
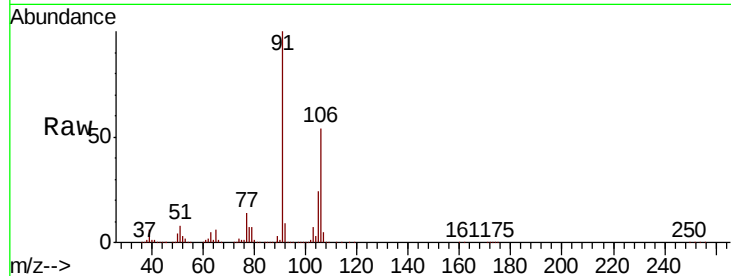




#59
m/p-Xylene
Concen: 7.395 ppbv
RT: 12.97 min Scan# 3166
Delta R.T. -0.04 min
Lab File: VL035828.D
Acq: 4 Nov 2020 9:00

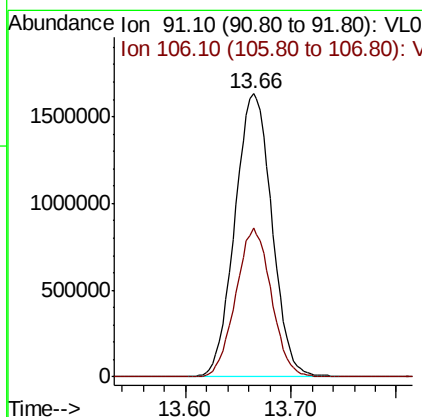
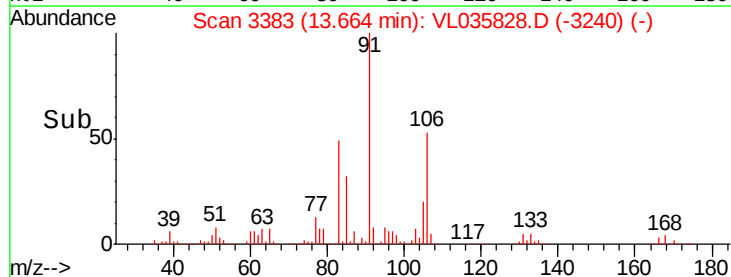
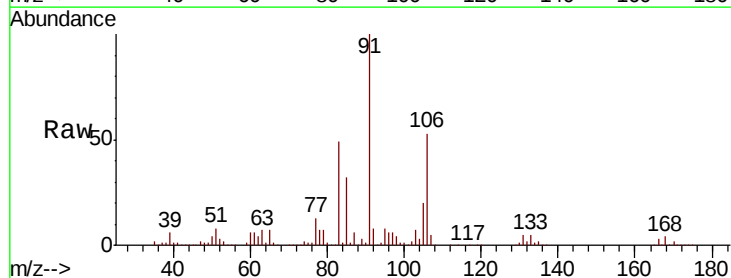
Instrument :
MSVOA_L
ClientSampled :

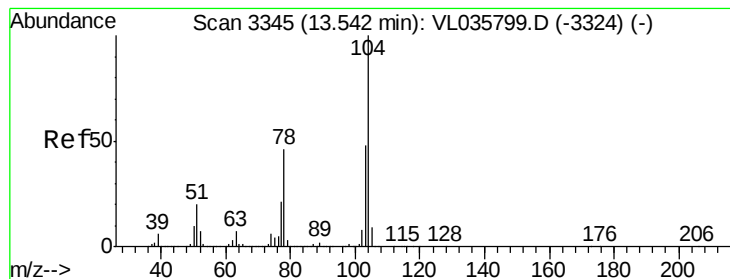
Tot Ion: 91 Resp: 4342630
Ion Ratio Lower Upper
91 100
106 95.7 39.5 59.3#



#60
o-Xylene
Concen: 6.955 ppbv
RT: 13.66 min Scan# 3383
Delta R.T. -0.04 min
Lab File: VL035828.D
Acq: 4 Nov 2020 9:00

Tgt Ion: 91 Resp: 3972947
Ion Ratio Lower Upper
91 100
106 50.6 24.8 74.4





#61

Stvrene

Concen: 7.608 ppbv

RT: 13.50 min Scan# 3332

Delta R.T. -0.04 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

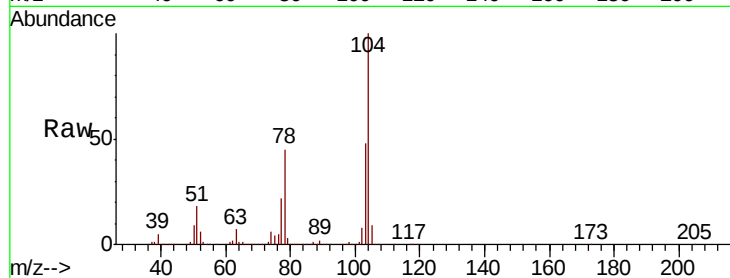
Tot Ion:104 Resp: 3184067

Ion	Ratio	Lower	Upper
104	100		
78	44.6	37.1	55.7
103	47.6	37.9	56.9

104 100

78 44.6 37.1 55.7

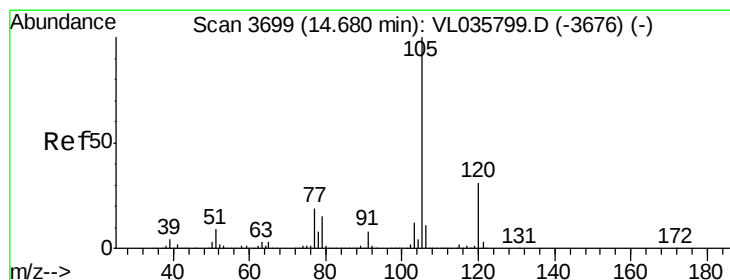
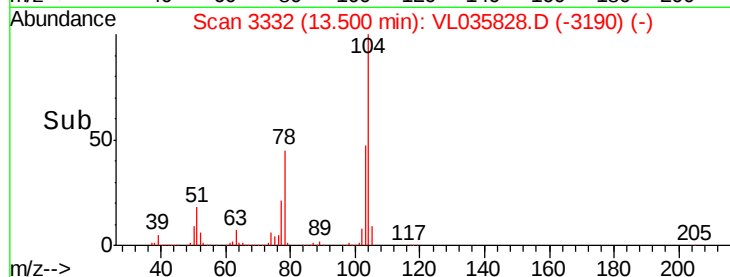
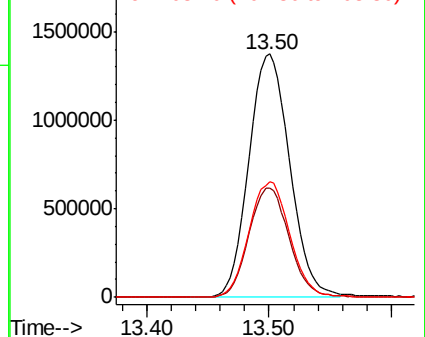
103 47.6 37.9 56.9



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: 6.853 ppbv

RT: 14.64 min Scan# 3687

Delta R.T. -0.04 min

Lab File: VL035828.D

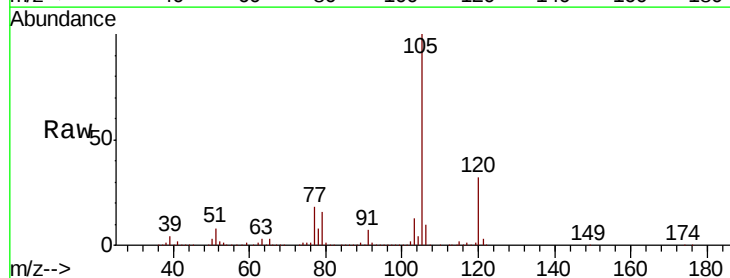
Acq: 4 Nov 2020 9:00

Tgt Ion:105 Resp: 6152798

Ion	Ratio	Lower	Upper
105	100		
120	29.8	23.5	35.3

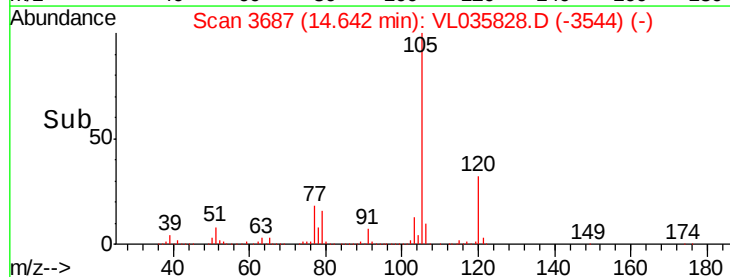
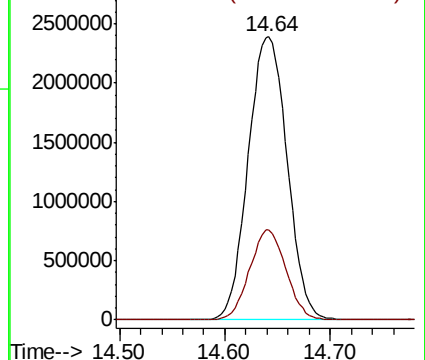
105 100

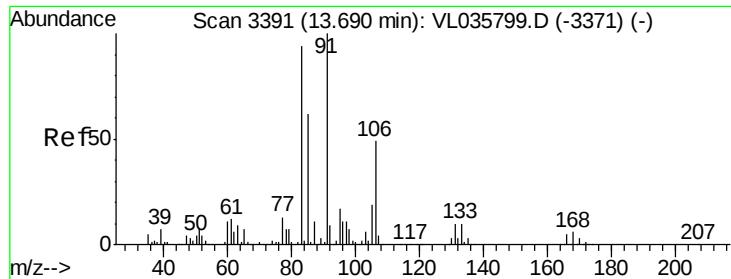
120 29.8 23.5 35.3



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

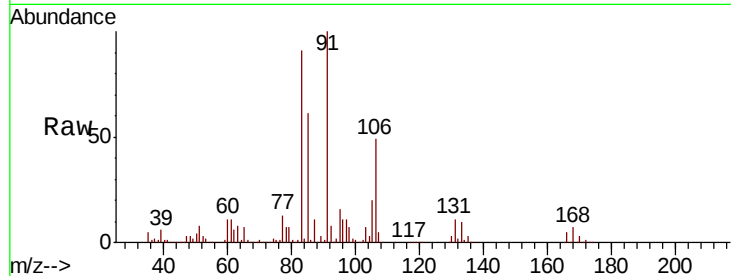




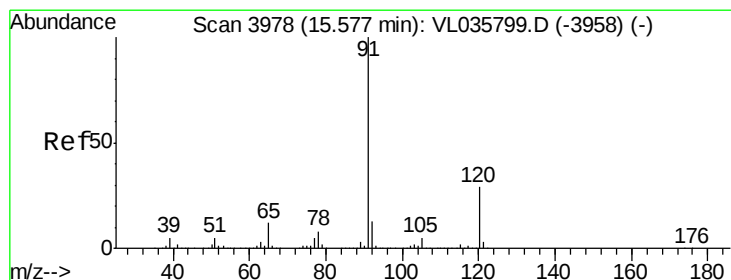
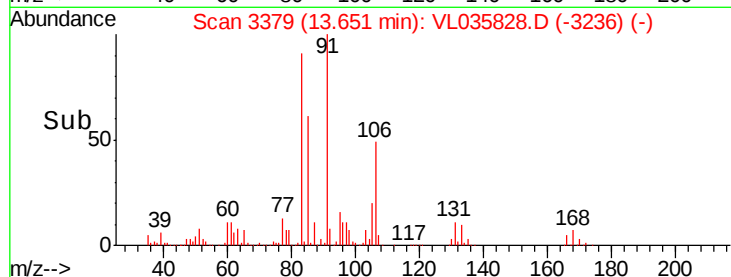
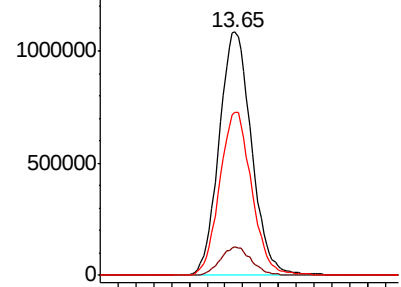
#63
1,1,2,2-Tetrachloroethane
Concen: 6.178 ppbv
RT: 13.65 min Scan# 3379
Delta R.T. -0.04 min
Lab File: VL035828.D
Acq: 4 Nov 2020 9:00

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 83 Resp: 2734561
Ion Ratio Lower Upper
83 100
131 11.2 5.3 15.8
85 66.7 33.5 100.4

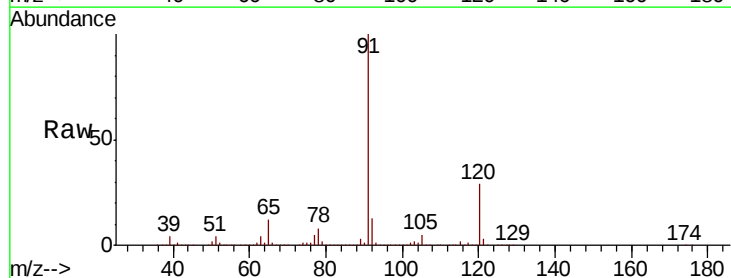


Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VL0

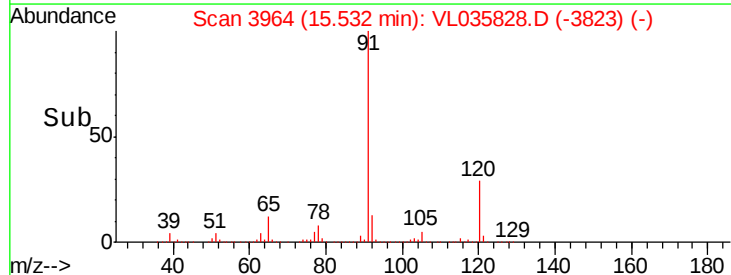
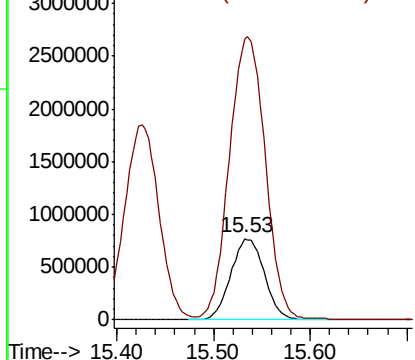


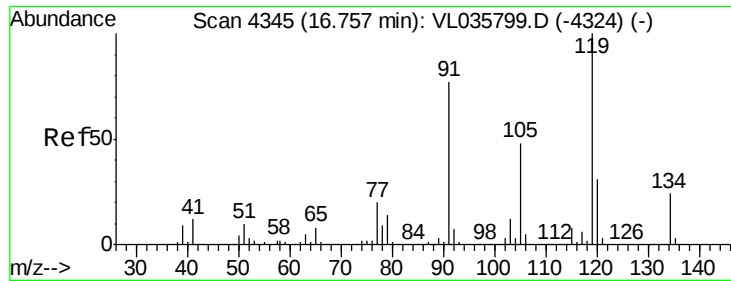
#64
n-propylbenzene
Concen: 7.182 ppbv
RT: 15.53 min Scan# 3964
Delta R.T. -0.05 min
Lab File: VL035828.D
Acq: 4 Nov 2020 9:00

Tgt Ion:120 Resp: 1863908
Ion Ratio Lower Upper
120 100
91 372.6 311.1 466.7



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

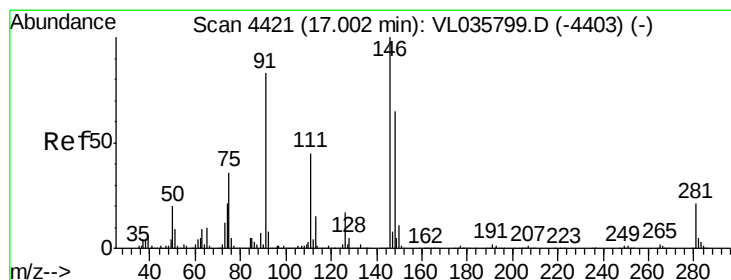
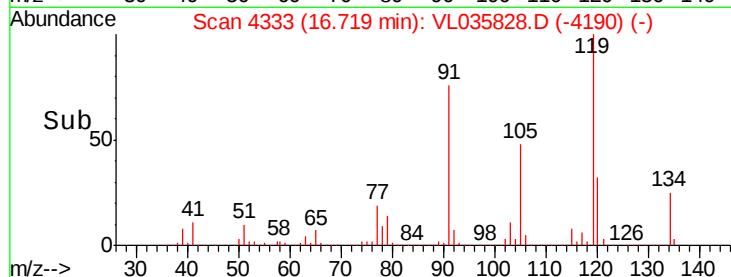
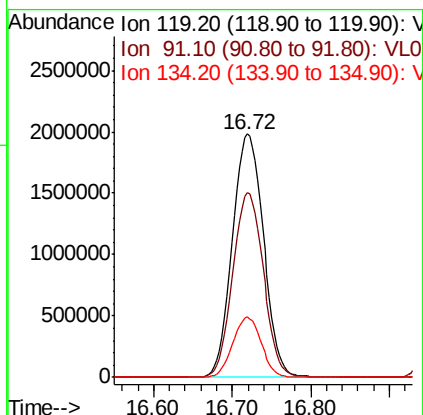
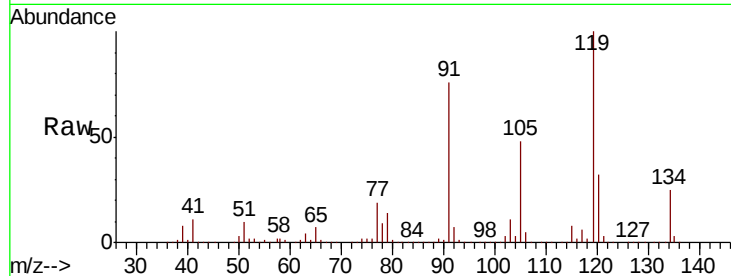




#65
tert-Butylbenzene
Concen: 6.724 ppbv
RT: 16.72 min Scan# 4333
Delta R.T. -0.04 min
Lab File: VL035828.D
Acq: 4 Nov 2020 9:00

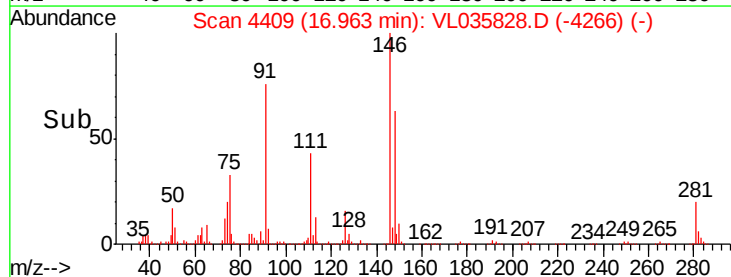
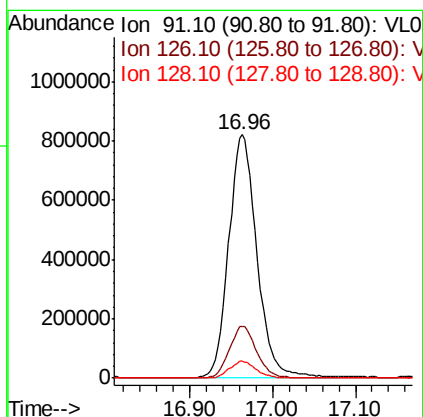
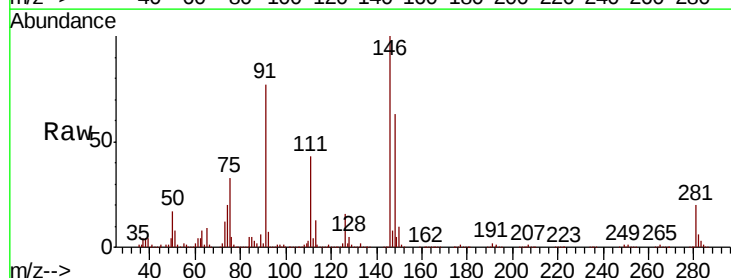
Instrument :
MSVOA_L
ClientSampled :

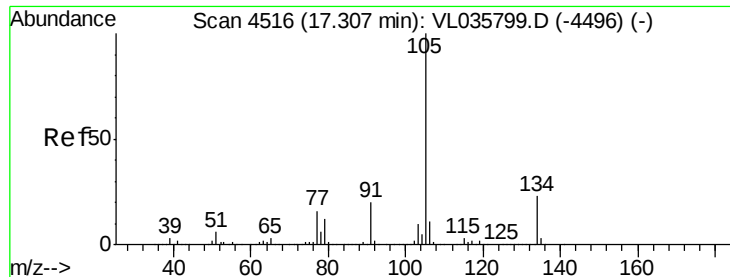
Tot Ion:119 Resp: 5495240
Ion Ratio Lower Upper
119 100
91 74.8 62.0 93.0
134 22.7 17.8 26.8



#66
Benzyl Chloride
Concen: 7.186 ppbv
RT: 16.96 min Scan# 4409
Delta R.T. -0.04 min
Lab File: VL035828.D
Acq: 4 Nov 2020 9:00

Tgt Ion: 91 Resp: 1941179
Ion Ratio Lower Upper
91 100
126 20.8 16.0 24.0
128 6.7 5.0 7.4





#67

sec-Butylbenzene

Concen: 6.614 ppbv

RT: 17.27 min Scan# 4505

Delta R.T. -0.04 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

Instrument :

MSVOA_L

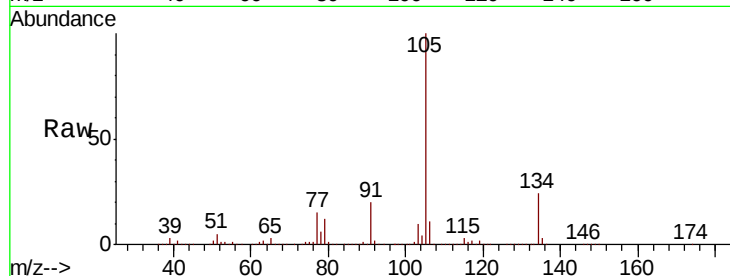
ClientSampleId :

Tot Ion:105 Resp: 7283670

Ion Ratio Lower Upper

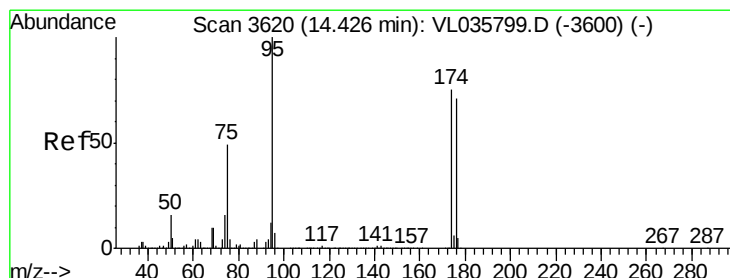
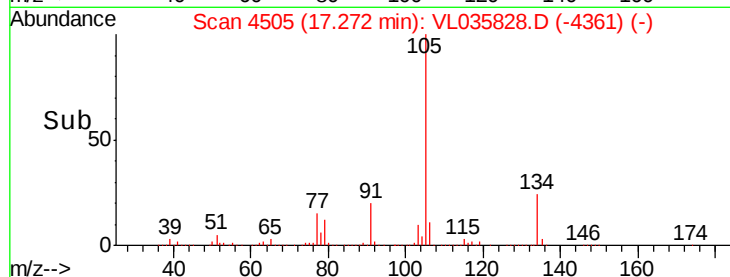
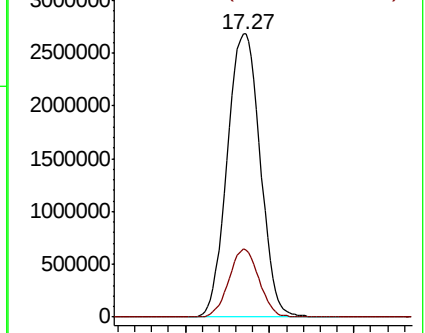
105 100

134 22.0 17.0 25.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.039 ppbv

RT: 14.39 min Scan# 3608

Delta R.T. -0.04 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

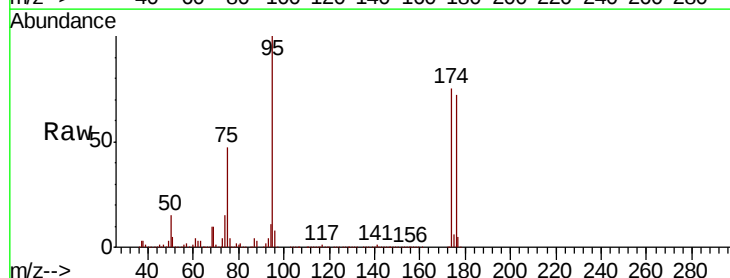
Tgt Ion: 95 Resp: 3254947

Ion Ratio Lower Upper

95 100

174 76.2 59.8 89.6

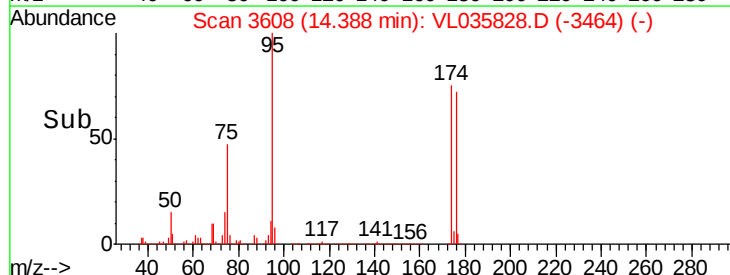
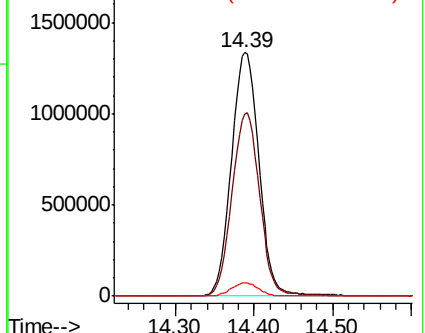
175 5.4 4.3 6.5

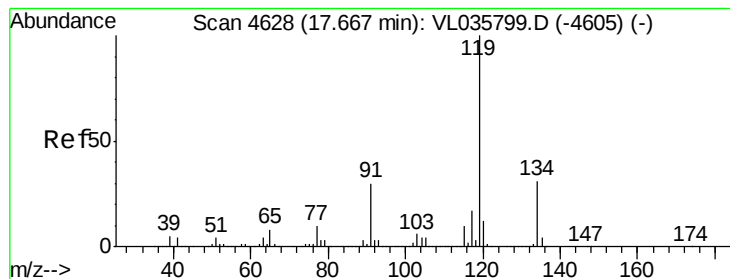


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 6.763 ppbv

RT: 17.63 min Scan# 4616

Delta R.T. -0.04 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

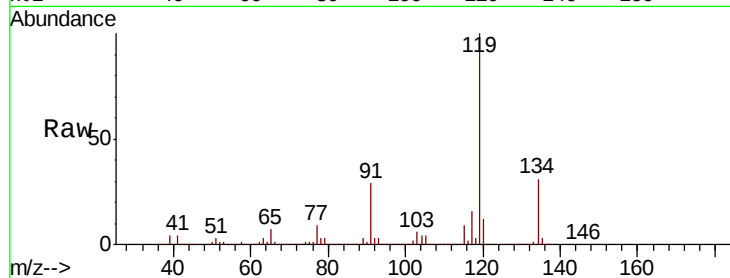
Tot Ion: 119 Resp: 6146015

Ion	Ratio	Lower	Upper
119	100		
134	29.4	23.0	34.6
91	27.5	22.8	34.2

119 100

134 29.4 23.0 34.6

91 27.5 22.8 34.2

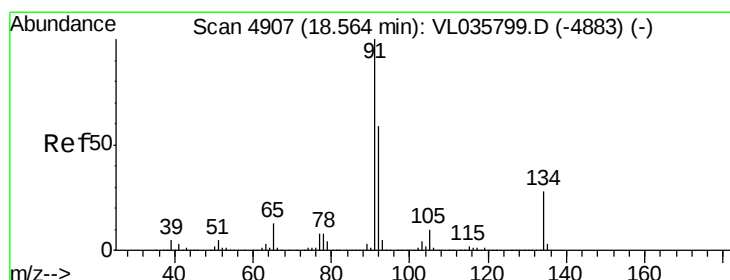
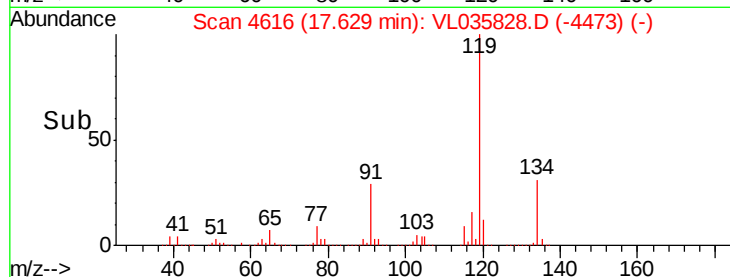
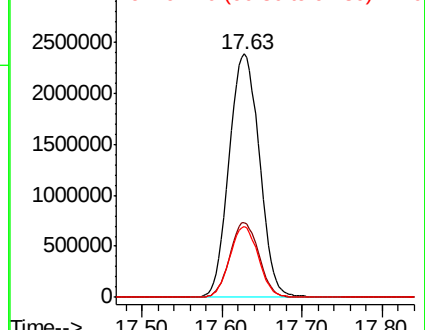


Abundance

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: 6.655 ppbv

RT: 18.53 min Scan# 4895

Delta R.T. -0.04 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

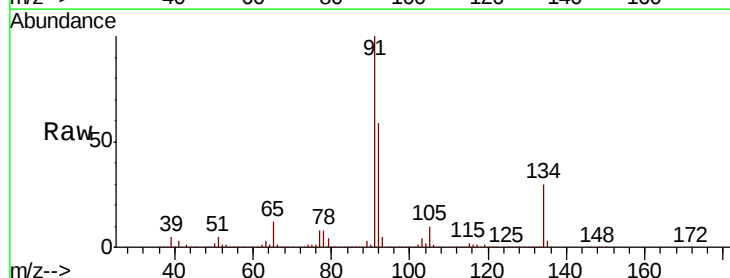
Tgt Ion: 91 Resp: 5824754

Ion	Ratio	Lower	Upper
91	100		
92	57.3	45.7	68.5
134	28.1	21.0	31.4

91 100

92 57.3 45.7 68.5

134 28.1 21.0 31.4

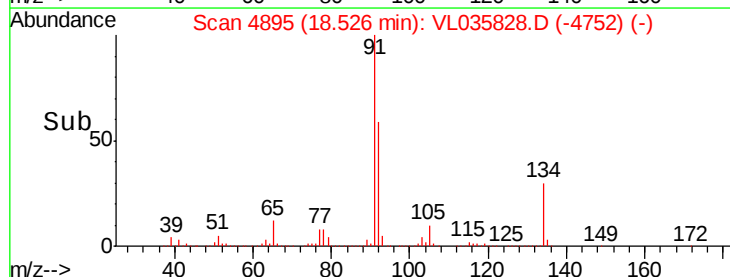
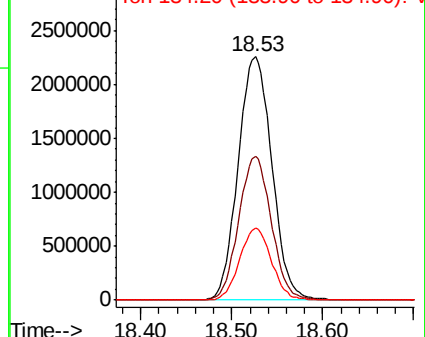


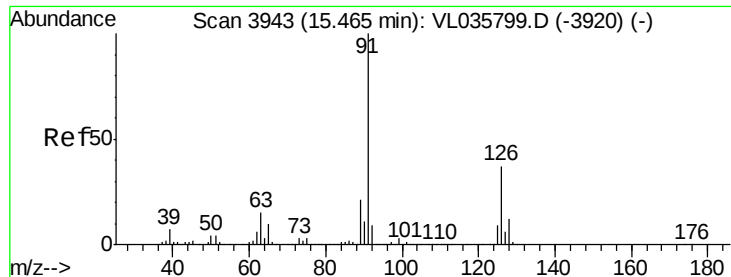
Abundance

Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V

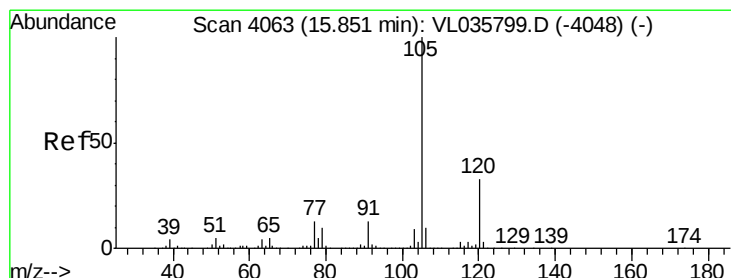
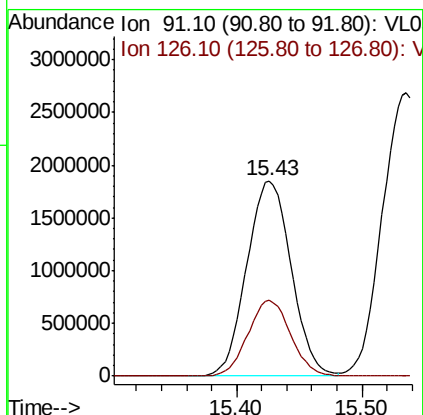
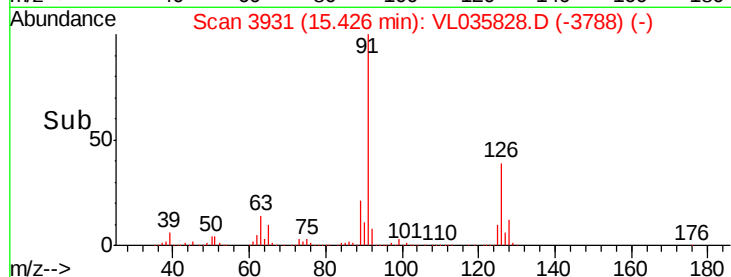
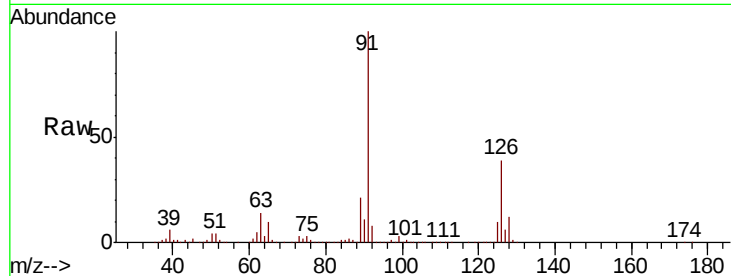




#71
 2-Chlorotoluene
 Concen: 6.938 ppbv
 RT: 15.43 min Scan# 3931
 Delta R.T. -0.04 min
 Lab File: VL035828.D
 Acq: 4 Nov 2020 9:00

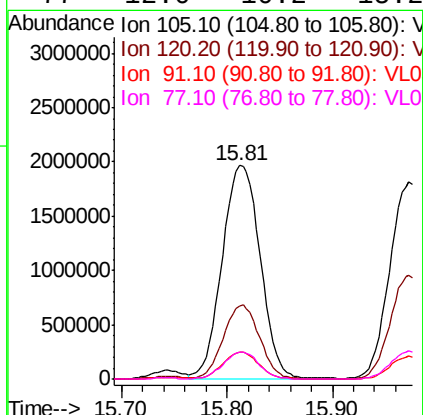
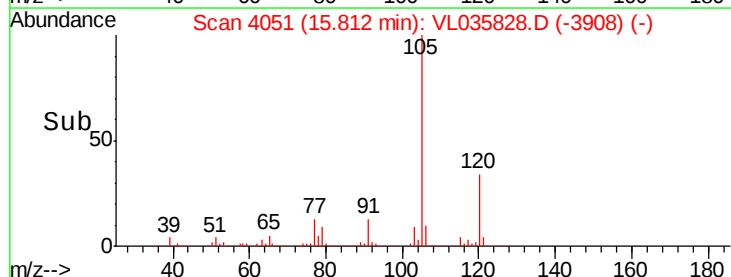
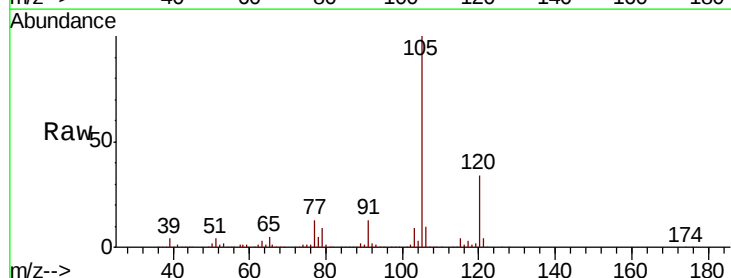
Instrument :
 MSVOA_L
 ClientSampleId :

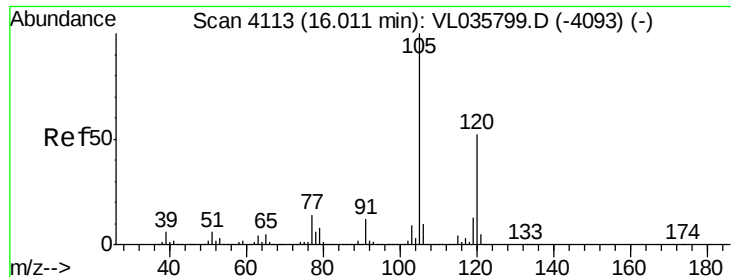
Tot Ion: 91 Resp: 4556356
 Ion Ratio Lower Upper
 91 100
 126 37.5 14.3 57.1



#72
 4-Ethyltoluene
 Concen: 7.095 ppbv
 RT: 15.81 min Scan# 4051
 Delta R.T. -0.04 min
 Lab File: VL035828.D
 Acq: 4 Nov 2020 9:00

Tgt Ion: 105 Resp: 4915182
 Ion Ratio Lower Upper
 105 100
 120 33.1 25.9 38.9
 91 11.8 9.9 14.9
 77 12.0 10.2 15.2





#73

1,3,5-Trimethylbenzene

Concen: 7.037 ppbv

RT: 15.97 min Scan# 4101

Delta R.T. -0.04 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

Instrument :

MSVOA_L

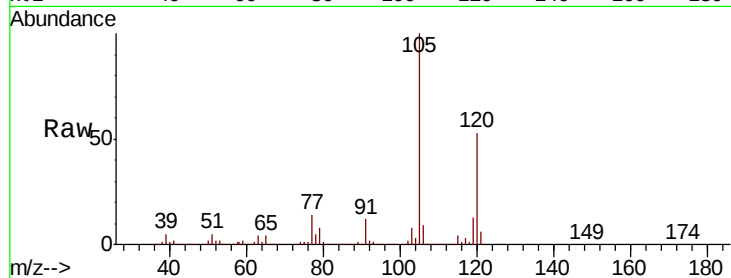
ClientSampleId :

Tot Ion:105 Resp: 4461616

Ion Ratio Lower Upper

105 100

120 52.7 41.4 62.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

15.97

2000000

1500000

1000000

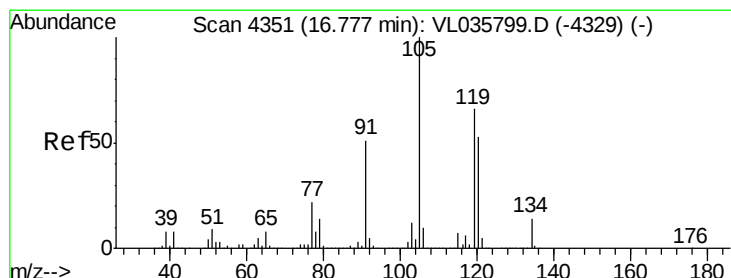
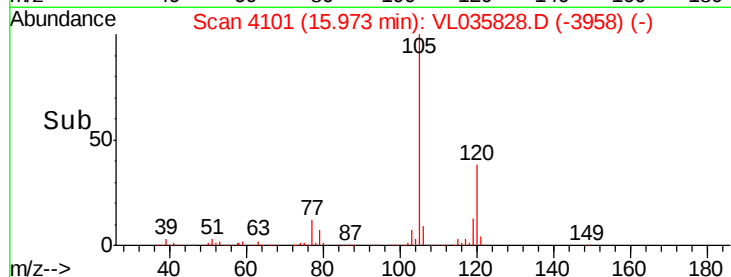
500000

0

Time-->

15.90

16.00



#74

1,2,4-Trimethylbenzene

Concen: 6.674 ppbv

RT: 16.74 min Scan# 4339

Delta R.T. -0.04 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

Tgt Ion:105 Resp: 4533864

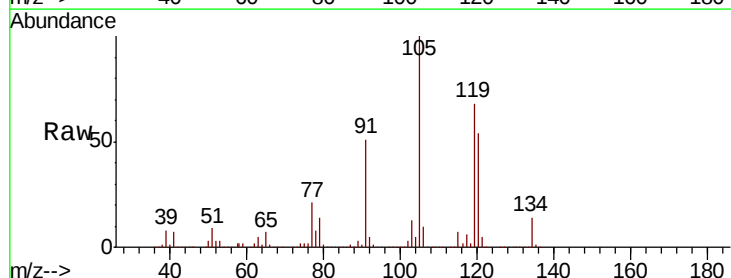
Ion Ratio Lower Upper

105 100

120 54.1 42.0 63.0

91 50.9 41.0 61.6

77 20.7 17.3 25.9



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

2500000

2000000

1500000

1000000

500000

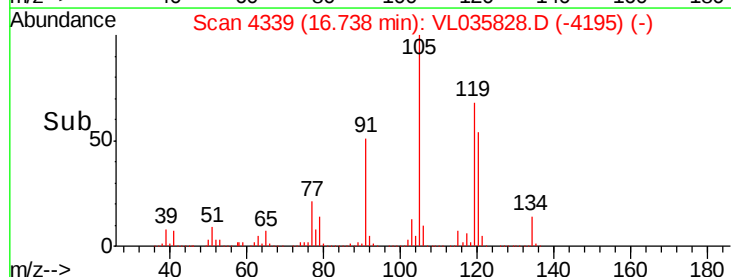
0

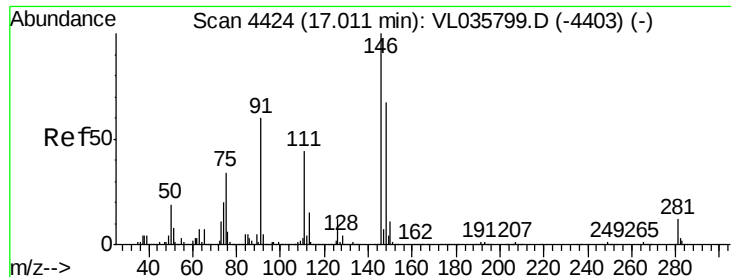
Time-->

16.60

16.70

16.80





#75

1,3-Dichlorobenzene

Concen: 6.826 ppbv

RT: 16.97 min Scan# 4411

Delta R.T. -0.04 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

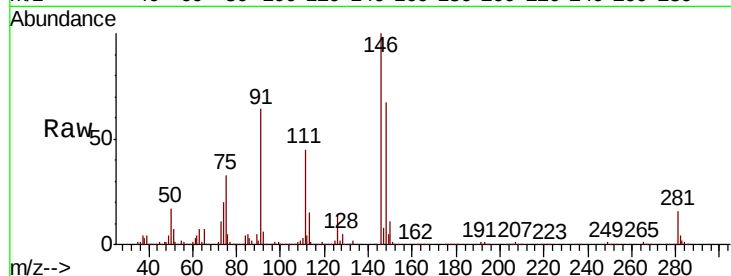
Tot Ion:146 Resp: 2952704

Ion Ratio Lower Upper

146 100

111 43.0 21.8 65.4

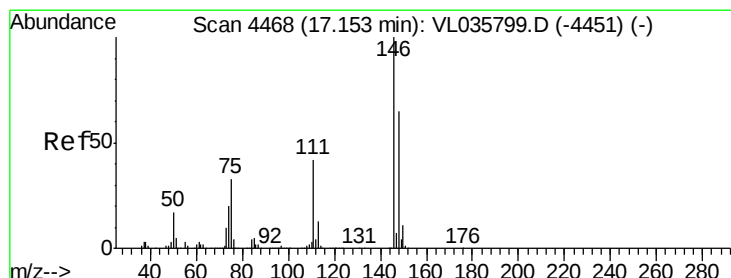
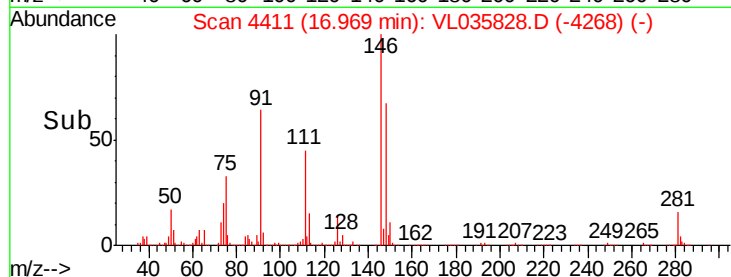
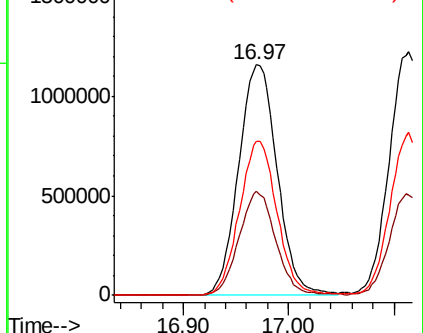
148 65.3 32.5 97.5



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



#76

1,4-Dichlorobenzene

Concen: 7.076 ppbv

RT: 17.11 min Scan# 4456

Delta R.T. -0.04 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

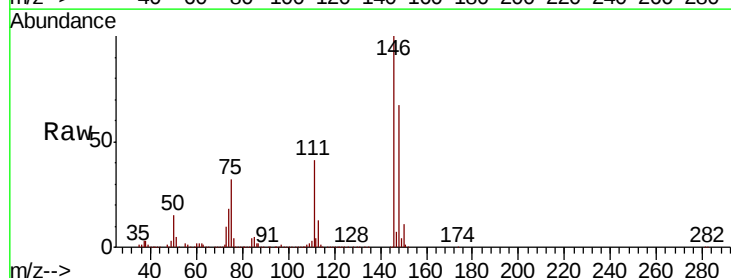
Tgt Ion:146 Resp: 2952758

Ion Ratio Lower Upper

146 100

111 42.0 21.3 63.7

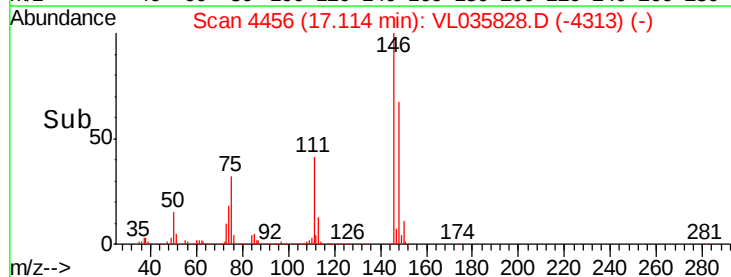
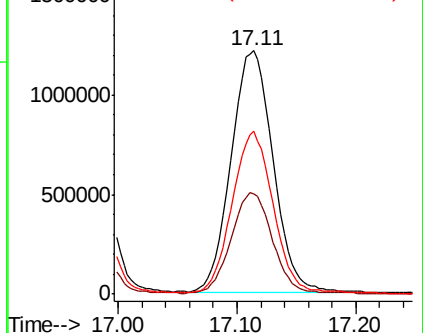
148 66.8 33.0 99.0

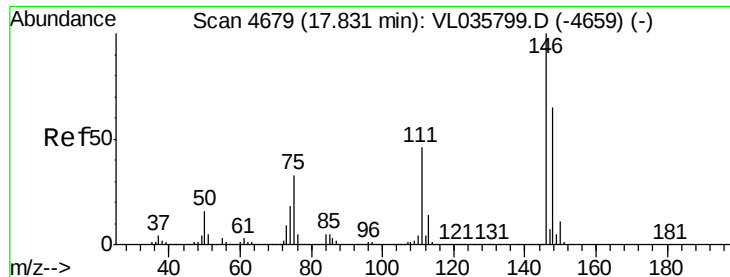


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 6.864 ppbv

RT: 17.79 min Scan# 4666

Delta R.T. -0.04 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

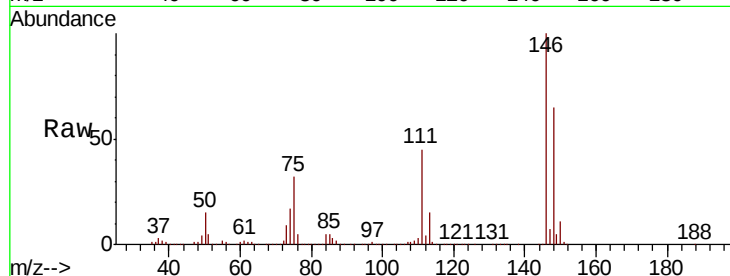
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:146 Resp: 2894159

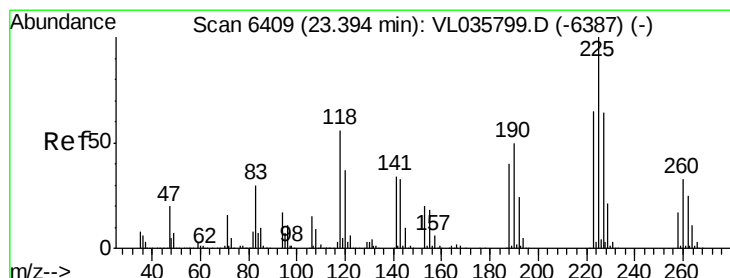
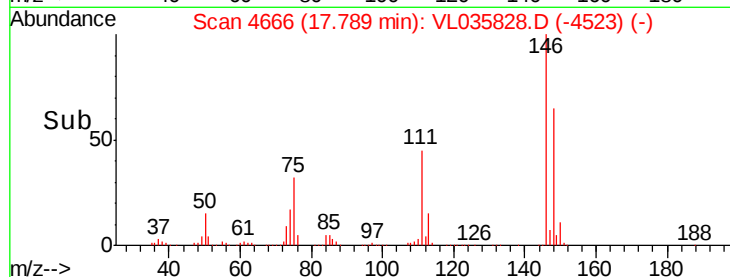
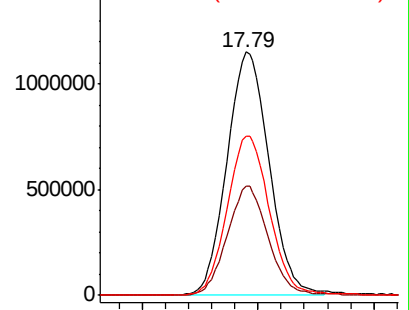
Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.4	67.0
148	65.9	32.5	97.5



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



#78

Hexachloro-1,3-Butadiene

Concen: 6.713 ppbv

RT: 23.35 min Scan# 6396

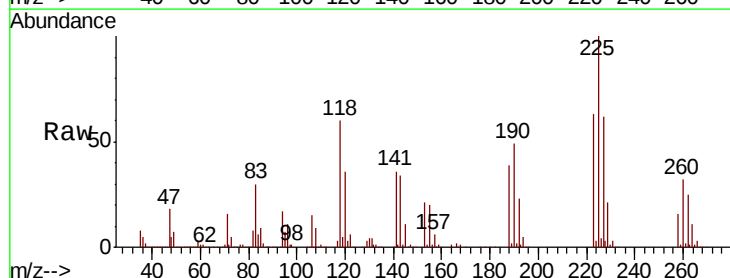
Delta R.T. -0.04 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

Tgt Ion:225 Resp: 1320764

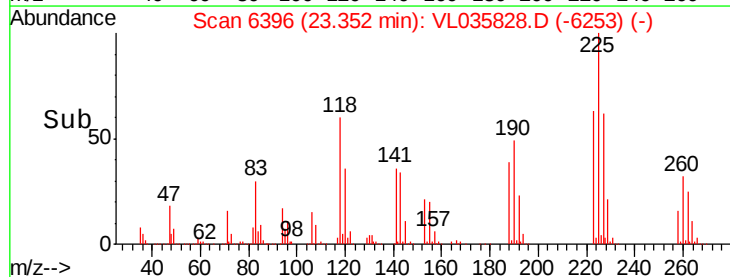
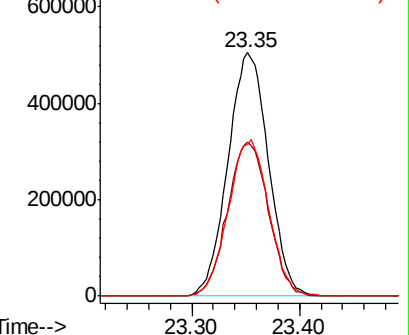
Ion	Ratio	Lower	Upper
225	100		
223	64.1	51.0	76.6
227	64.3	51.2	76.8

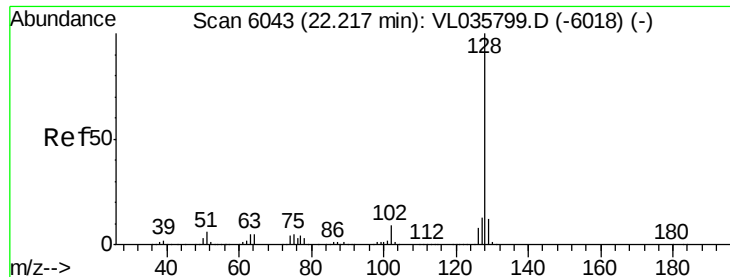


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V

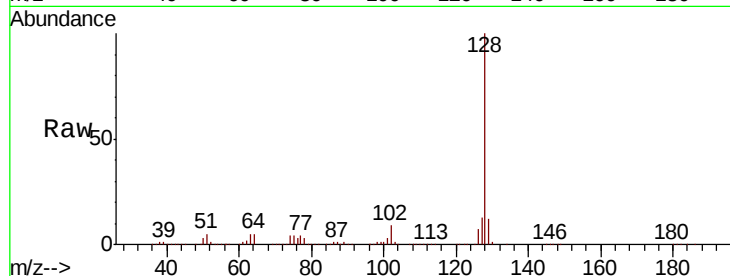




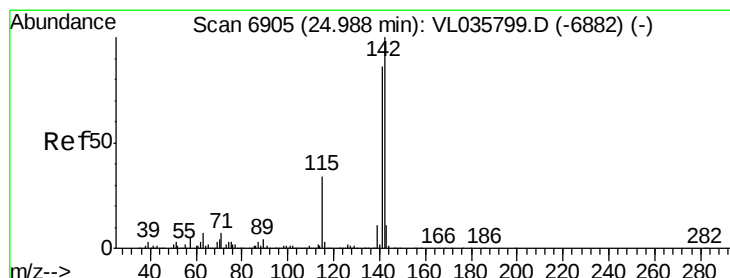
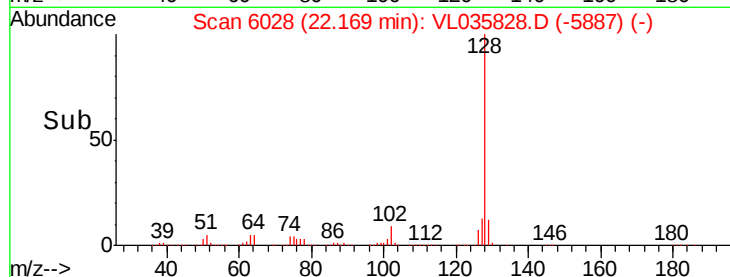
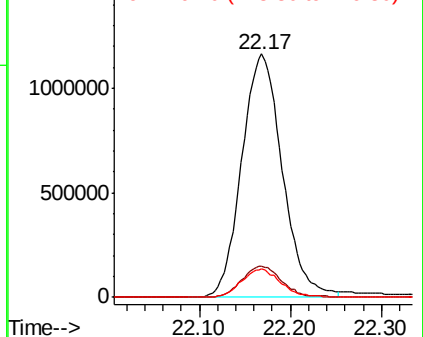
#79
Naphthalene
Concen: 7.599 ppbv
RT: 22.17 min Scan# 6028
Delta R.T. -0.05 min
Lab File: VL035828.D
Acq: 4 Nov 2020 9:00

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:128 Resp: 3598881
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 11.6 9.2 13.8

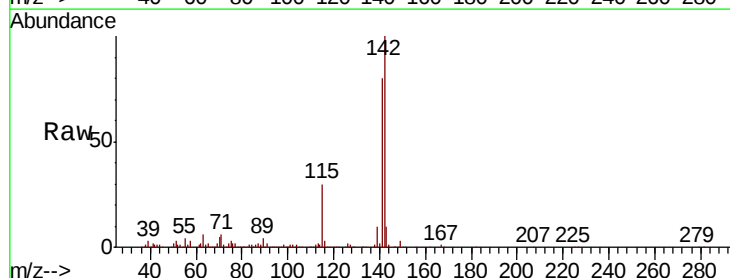


Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V

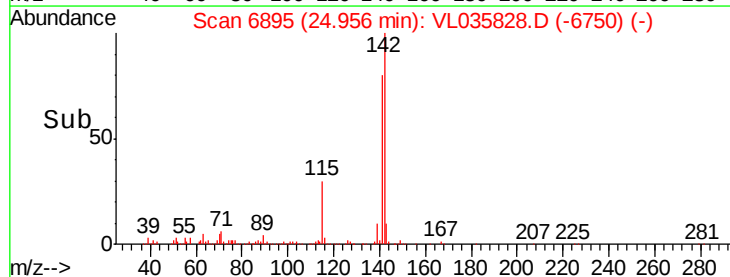
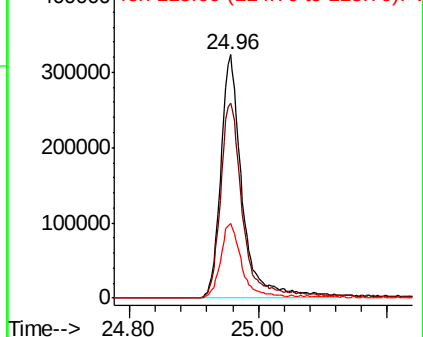


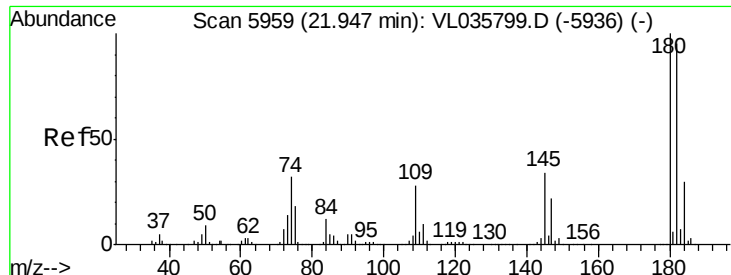
#80
Naphthalene, 2-methyl-
Concen: 9.788 ppbv
RT: 24.96 min Scan# 6895
Delta R.T. -0.03 min
Lab File: VL035828.D
Acq: 4 Nov 2020 9:00

Tgt Ion:142 Resp: 755369
Ion Ratio Lower Upper
142 100
141 85.7 67.8 101.8
115 30.3 28.1 42.1



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 7.312 ppbv

RT: 21.90 min Scan# 5944

Delta R.T. -0.05 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

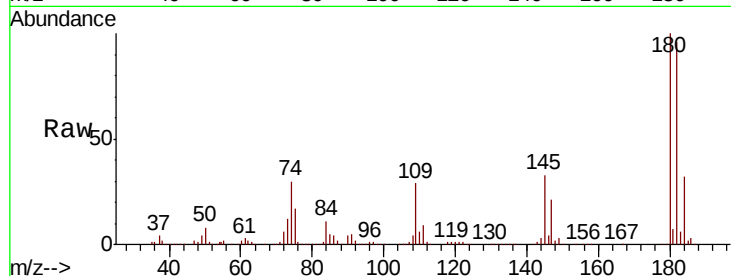
Tot Ion:180 Resp: 1934542

Ion Ratio Lower Upper

180 100

182 97.9 77.2 115.8

184 31.5 24.7 37.1



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

