

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL122320\
 Data File : VL036192.D
 Acq On : 23 Dec 2020 10:37
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BFB93

Quant Time: Dec 24 05:23:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 07 16:56:49 2020
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1163203	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.15	114	2440914	10.00	ppbv	-0.05
55) Chlorobenzene-d5	12.06	117	2928590	10.00	ppbv	-0.05

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2077862	8.94	ppbv	-0.05
Spiked Amount	10.000	Range	65 - 135	Recovery	=	89.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	1078319	7.955	ppbv	99
3) Chlorodifluoromethane	2.96	51	1441042	10.858	ppbv	98
4) Chloromethane	3.11	50	711093	10.914	ppbv	100
5) Vinyl Chloride	3.23	62	683405	9.428	ppbv	98
6) Bromomethane	3.45	94	381985	10.213	ppbv	86
7) Chloroethane	3.53	64	240757	9.750	ppbv	93
8) Dichlorotetrafluoroethane	3.16	85	1574190	10.449	ppbv	89
9) Propene	2.99	41	636588	9.575	ppbv	99
10) Heptane	8.10	43	1679782	9.893	ppbv	99
11) Trichlorofluoromethane	3.92	101	1762379	11.058	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1101053	10.172	ppbv	93
13) Ethanol	3.58	45	98929	10.794	ppbv	92
14) Bromoethene	3.71	108	463189	10.431	ppbv	96
15) Acetone	3.82	43	1629914	11.659	ppbv	97
16) 1,3-Butadiene	3.30	39	723266	10.272	ppbv	98
17) tert-Butyl alcohol	4.27	59	1227869	9.068	ppbv	98
18) 1,1-Dichloroethene	4.26	96	478322	9.953	ppbv	96
19) Isopropyl Alcohol	3.94	45	833219	9.751	ppbv #	100
20) Methylene Chloride	4.32	84	421380	7.356	ppbv	93
21) Allyl Chloride	4.38	41	934335	10.051	ppbv	96
22) trans-1,2-Dichloroethene	4.85	96	473368	9.838	ppbv	94
23) Vinyl Acetate	5.05	43	1925624	10.346	ppbv	98
24) 1,1-Dichloroethane	4.99	63	1285465	9.820	ppbv	99
25) Ethyl Acetate	5.65	43	2900981	10.387	ppbv	100
26) Hexane	5.66	57	1180057	9.388	ppbv	99
27) Carbon Disulfide	4.52	76	1248049	9.991	ppbv	97
28) Methyl tert-Butyl Ether	5.01	73	1703216	9.531	ppbv	99
29) Chloroform	5.73	83	1803282	10.925	ppbv	97
30) Cyclohexane	7.10	84	911657	9.874	ppbv	97
31) cis-1,2-Dichloroethene	5.52	61	1226002	10.730	ppbv	96
32) 1,1,1-Trichloroethane	6.48	97	1775702	10.426	ppbv	97
34) 2-Butanone	5.22	43	1802353	11.132	ppbv	100
35) Carbon Tetrachloride	6.99	117	1719135	12.078	ppbv	98
36) Benzene	6.86	78	2317850	11.205	ppbv	99
37) 1,2-Dichloroethane	6.28	62	1548705	12.920	ppbv	97
38) Trichloroethene	7.81	130	716446	9.265	ppbv	93
39) 1,2-Dichloropropane	7.58	63	954611	11.685	ppbv	92
40) 1,4-Dioxane	7.80	88	132730	5.166	ppbv #	1
41) Tetrahydrofuran	6.02	42	1064494	11.067	ppbv	100
42) Bromodichloromethane	7.76	83	1982006	12.409	ppbv	98
43) Methyl Methacrylate	7.99	69	1054117	11.878	ppbv	97

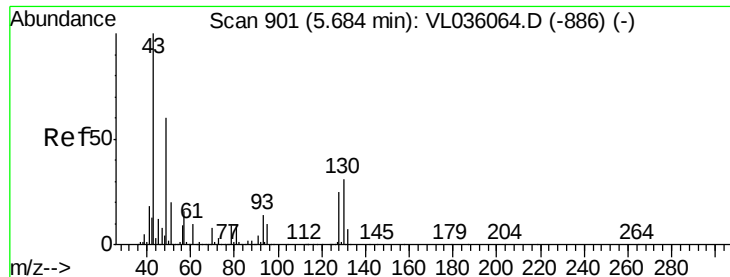
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL122320\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.84	57	4140495	11.052	ppbv	99
45) t-1,3-Dichloropropene	9.25	75	1151690	12.632	ppbv	99
46) cis-1,3-Dichloropropene	8.67	75	1365433	11.949	ppbv	98
47) 1,1,2-Trichloroethane	9.45	97	885635	11.268	ppbv	96
48) Dibromochloromethane	10.28	129	1422697	11.987	ppbv	99
49) Bromoform	13.01	173	1152754	12.340	ppbv	100
50) 4-Methyl-2-Pentanone	8.71	43	2853261	11.816	ppbv	99
51) 2-Hexanone	10.11	43	2273558	12.046	ppbv #	99
52) Tetrachloroethene	11.19	164	683443	9.127	ppbv	94
53) Toluene	9.78	91	2569802	11.063	ppbv	98
54) 1,2-Dibromoethane	10.58	107	1326289	11.258	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.10	131	1077374	8.872	ppbv	97
57) Chlorobenzene	12.12	112	1762973	8.575	ppbv	95
58) Ethyl Benzene	12.68	91	3575458	8.909	ppbv	100
59) m/p-Xylene	12.97	91	3102258	9.177	ppbv #	42
60) o-Xylene	13.66	91	2877311	9.034	ppbv	95
61) Styrene	13.50	104	1913009	9.356	ppbv	96
62) Isopropylbenzene	14.64	105	4083951	8.651	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.65	83	1981676	9.239	ppbv	99
64) n-propylbenzene	15.54	120	988773	8.706	ppbv	83
65) tert-Butylbenzene	16.72	119	3391731	8.777	ppbv	92
66) Benzyl Chloride	16.97	91	1185578	12.322	ppbv	94
67) sec-Butylbenzene	17.27	105	4907797	9.075	ppbv	98
69) p-Isopropyltoluene	17.63	119	3897942	9.062	ppbv	96
70) n-Butylbenzene	18.53	91	4346707	10.224	ppbv	98
71) 2-Chlorotoluene	15.43	91	3351281	9.391	ppbv	95
72) 4-Ethyltoluene	15.81	105	3196766	9.266	ppbv	97
73) 1,3,5-Trimethylbenzene	15.97	105	3023669	9.177	ppbv	96
74) 1,2,4-Trimethylbenzene	16.74	105	3072083	9.288	ppbv	94
75) 1,3-Dichlorobenzene	16.97	146	1508491	9.111	ppbv	97
76) 1,4-Dichlorobenzene	17.11	146	1476613	8.760	ppbv	96
77) 1,2-Dichlorobenzene	17.80	146	1432808	9.064	ppbv	97
78) Hexachloro-1,3-Butadiene	23.35	225	878783	6.936	ppbv	98
79) Naphthalene	22.17	128	1527732	9.087	ppbv	98
80) Naphthalene, 2-methyl-	24.96	142	599971	15.959	ppbv	92
81) 1,2,4-Trichlorobenzene	21.90	180	878789	7.823	ppbv #	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 888

Delta R.T. -0.04 min

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BFB93

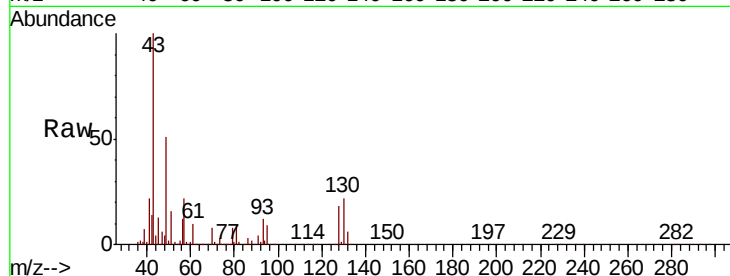
Tot Ion: 49 Resp: 1163203

Ion Ratio Lower Upper

49 100

128 37.0 21.1 63.1

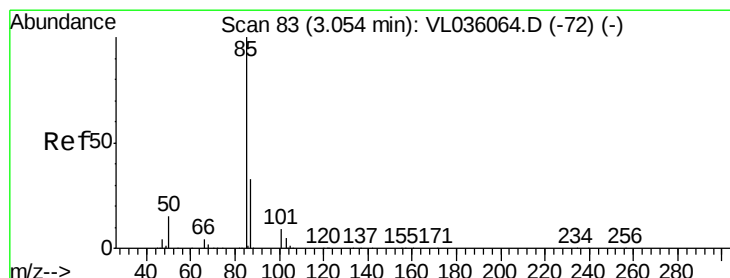
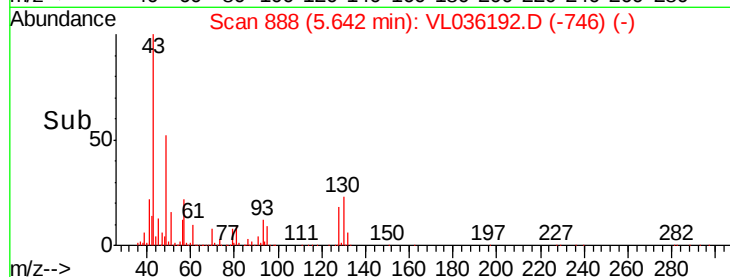
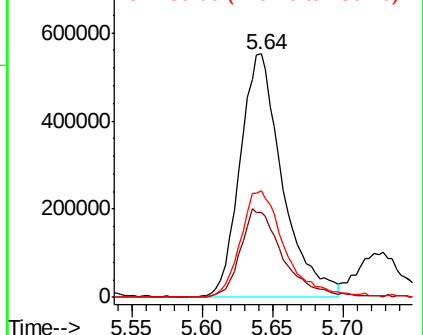
130 46.4 27.1 81.3



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



#2

Dichlorodifluoromethane

Concen: 7.955 ppbv

RT: 3.02 min Scan# 74

Delta R.T. -0.03 min

Lab File: VL036192.D

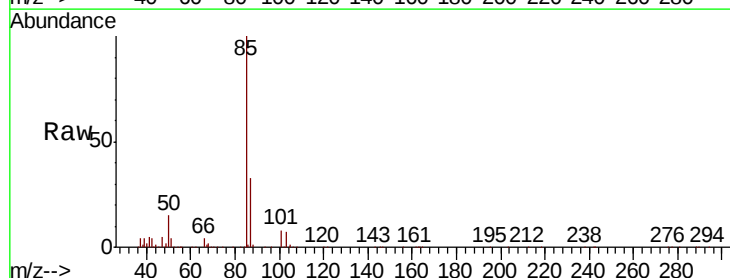
Acq: 23 Dec 2020 10:37

Tgt Ion: 85 Resp: 1078319

Ion Ratio Lower Upper

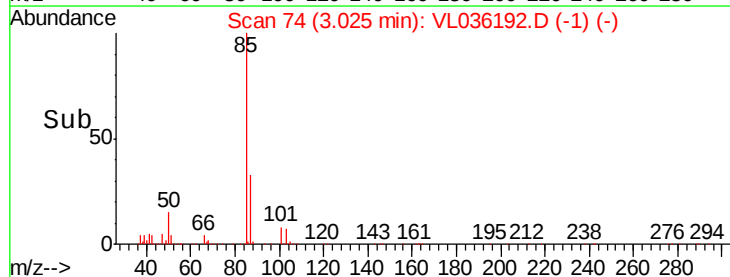
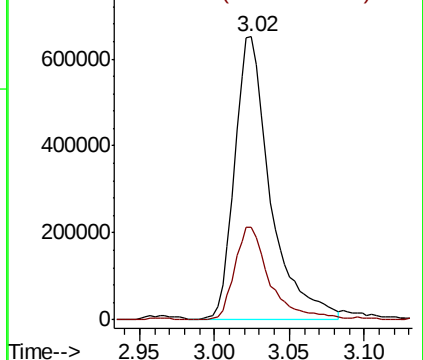
85 100

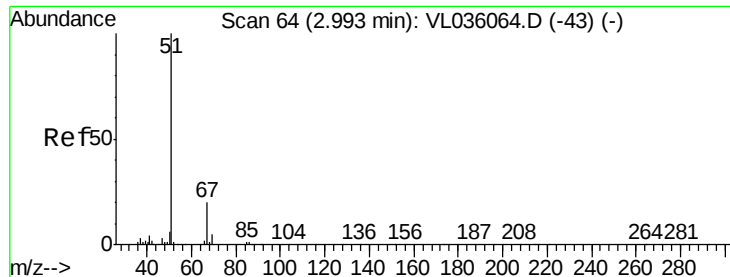
87 32.6 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

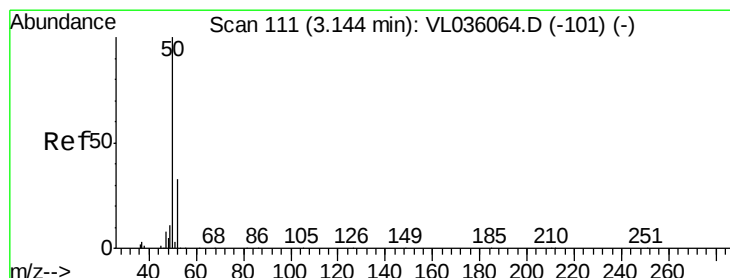
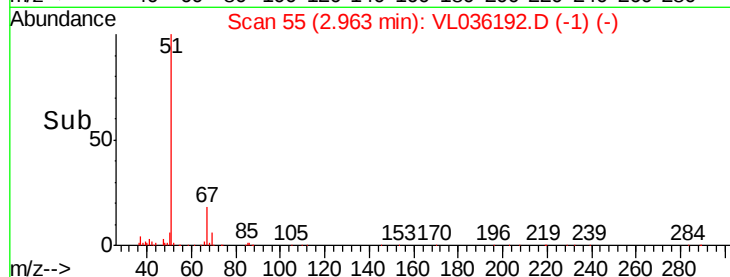
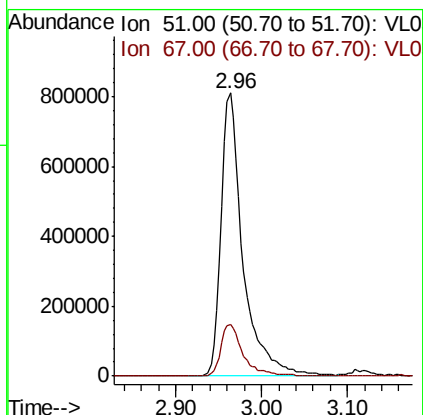
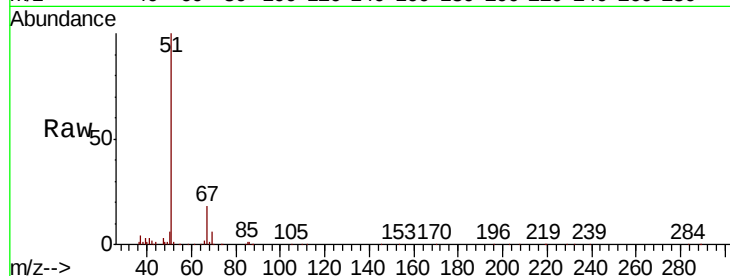




#3
 Chlorodifluoromethane
 Concen: 10.858 ppbv
 RT: 2.96 min Scan# 55
 Delta R.T. -0.03 min
 Lab File: VL036192.D
 Acq: 23 Dec 2020 10:37

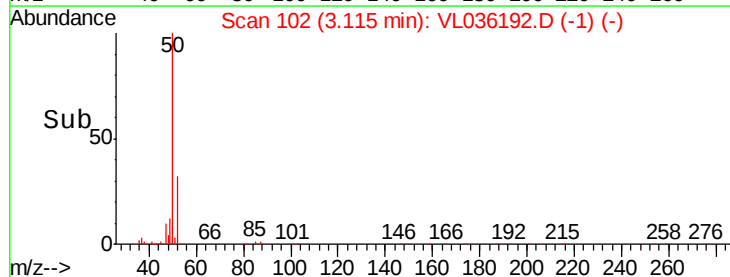
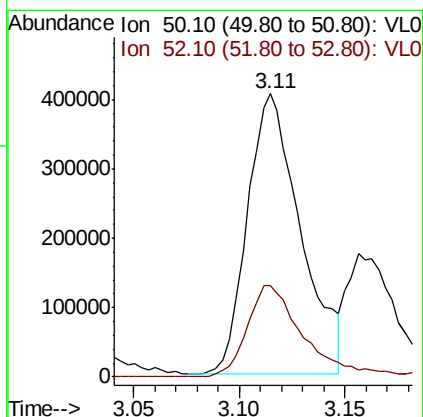
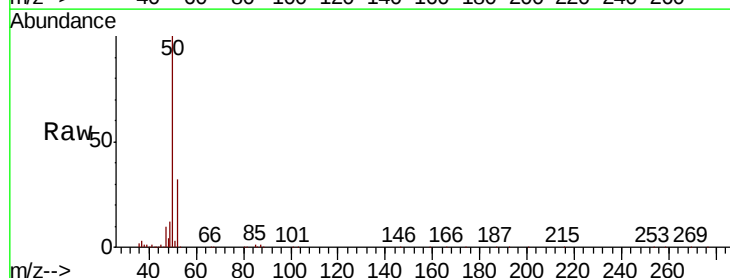
Instrument :
 MSVOA_L
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 BFB93

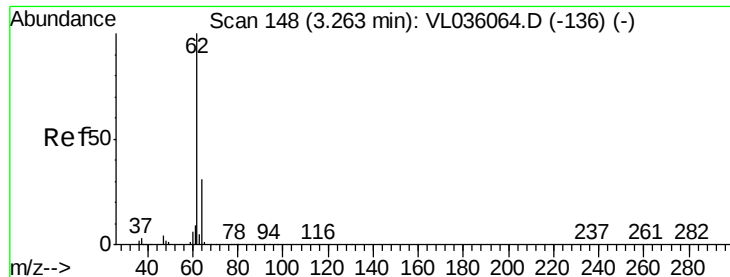
Tot Ion: 51 Resp: 1441042
 Ion Ratio Lower Upper
 51 100
 67 18.6 14.3 21.5



#4
 Chloromethane
 Concen: 10.914 ppbv
 RT: 3.11 min Scan# 102
 Delta R.T. -0.03 min
 Lab File: VL036192.D
 Acq: 23 Dec 2020 10:37

Tgt Ion: 50 Resp: 711093
 Ion Ratio Lower Upper
 50 100
 52 32.5 26.1 39.1





#5

Vinyl Chloride

Concen: 9.428 ppbv

RT: 3.23 min Scan# 138

Delta R.T. -0.03 min

Lab File: VL036192.D

Acq: 23 Dec 2020 10:37

Instrument :

MSVOA_L

ClientSampleId :

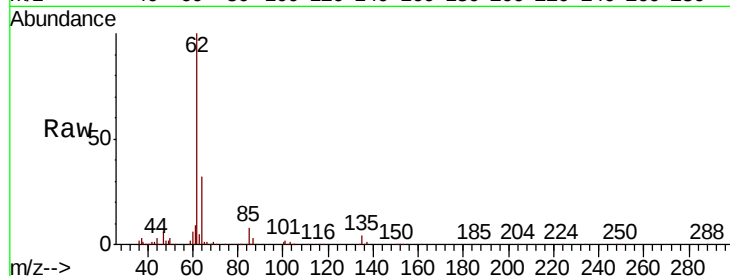
BFB93

Tot Ion: 62 Resp: 683405

Ion Ratio Lower Upper

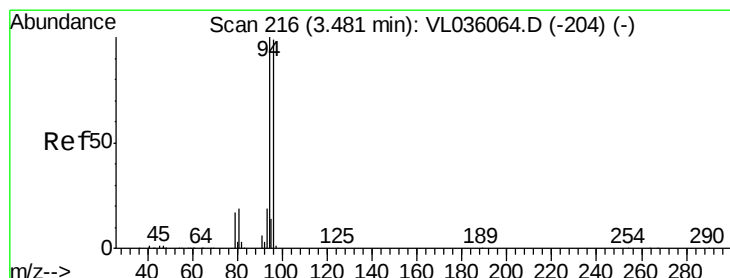
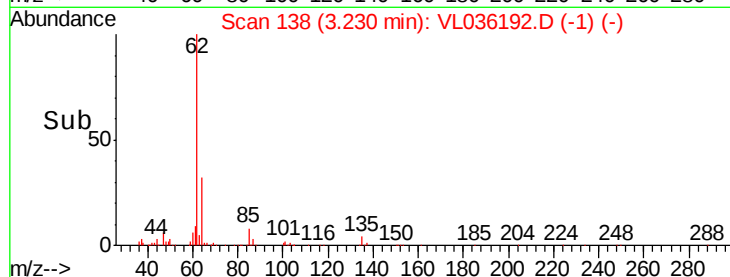
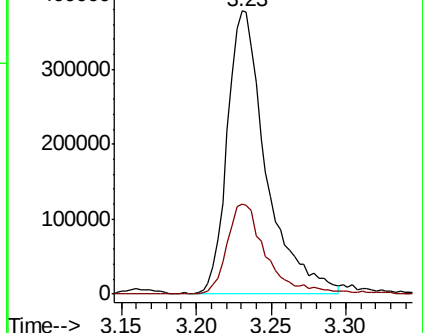
62 100

64 31.9 24.5 36.7



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.213 ppbv

RT: 3.45 min Scan# 206

Delta R.T. -0.03 min

Lab File: VL036192.D

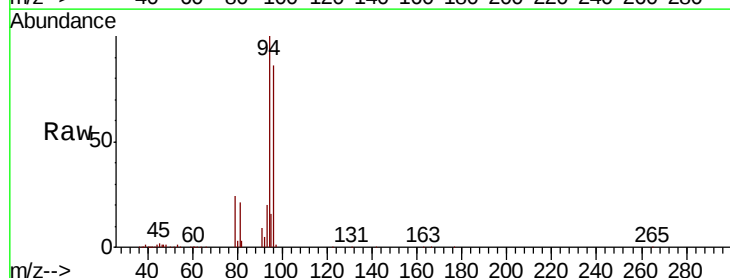
Acq: 23 Dec 2020 10:37

Tgt Ion: 94 Resp: 381985

Ion Ratio Lower Upper

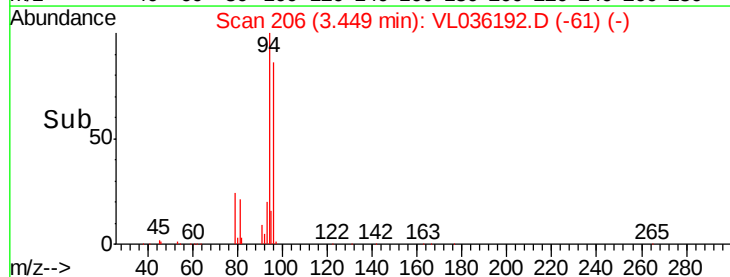
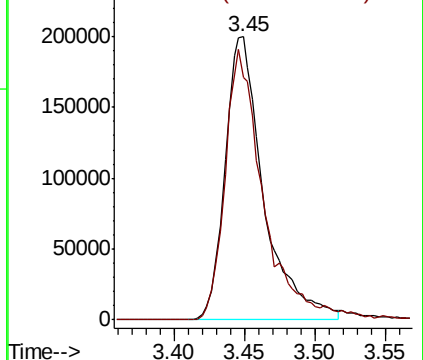
94 100

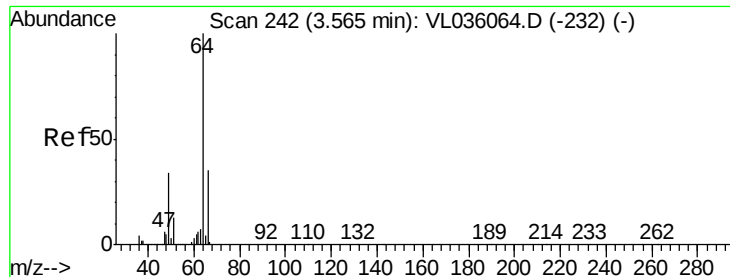
96 85.5 79.4 119.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.750 ppbv

RT: 3.53 min Scan# 231

Delta R.T. -0.04 min

Lab File: VL036192.D

Acq: 23 Dec 2020 10:37

Instrument :

MSVOA_L

ClientSampleId :

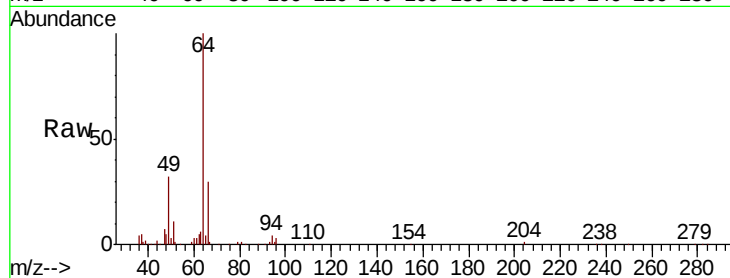
BFB93

Tot Ion: 64 Resp: 240757

Ion Ratio Lower Upper

64 100

66 30.4 27.7 41.5



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.53

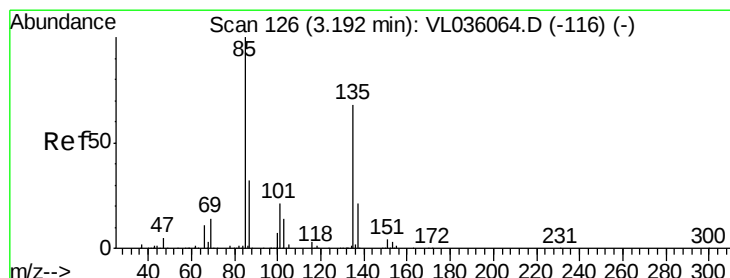
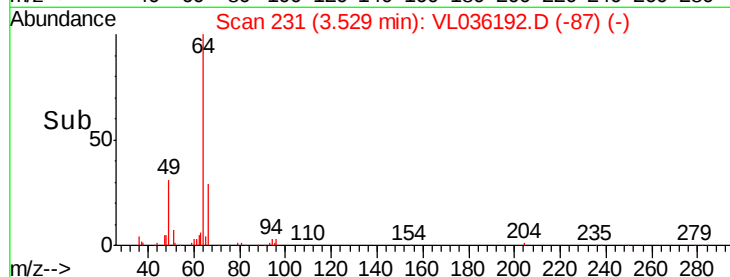
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 10.449 ppbv

RT: 3.16 min Scan# 117

Delta R.T. -0.03 min

Lab File: VL036192.D

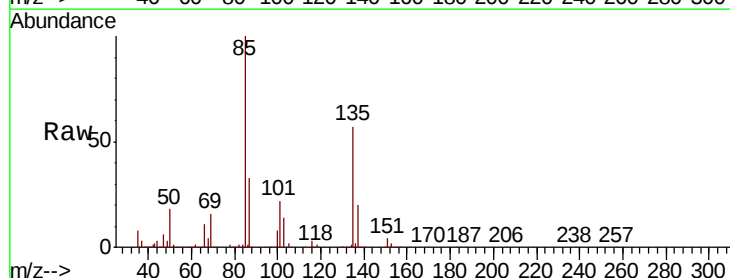
Acq: 23 Dec 2020 10:37

Tgt Ion: 85 Resp: 1574190

Ion Ratio Lower Upper

85 100

135 58.2 53.8 80.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.16

1000000

800000

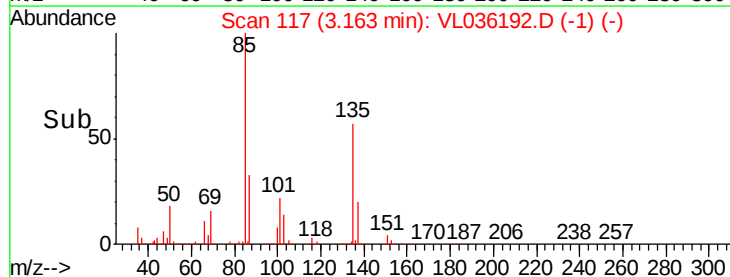
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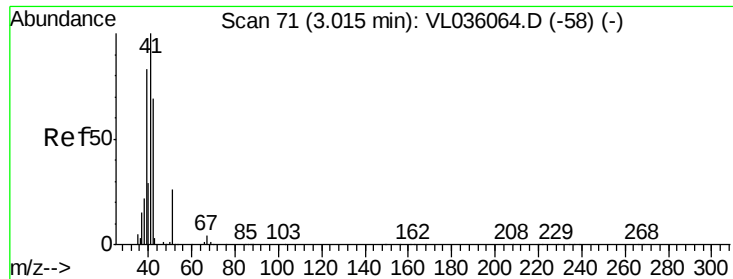
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200000

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Time-->





#9

Propene

Concen: 9.575 ppbv

RT: 2.99 min Scan# 62

Delta R.T. -0.03 min

Lab File: VL036192.D

Acq: 23 Dec 2020 10:37

Instrument :

MSVOA_L

ClientSampleId :

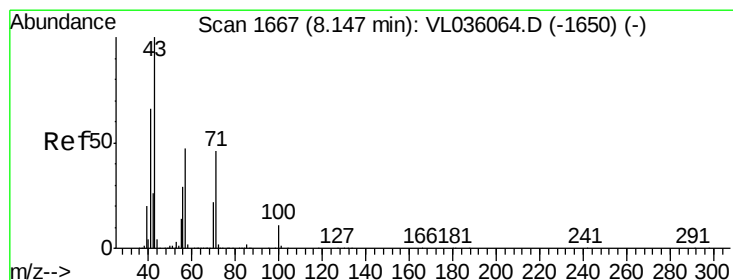
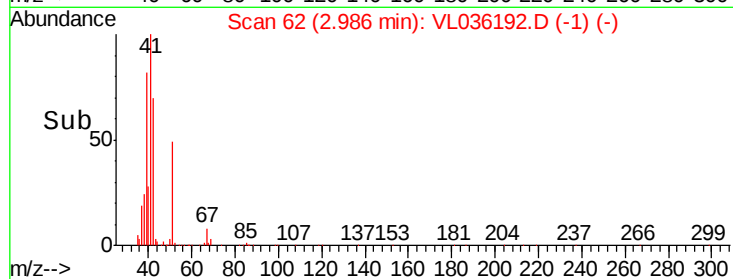
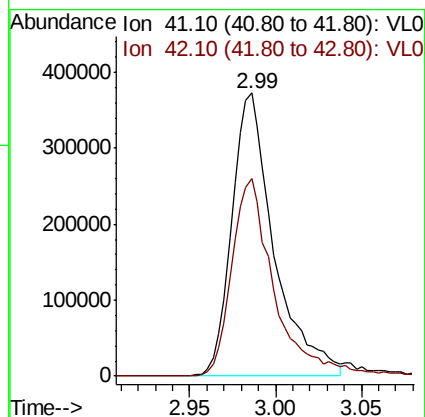
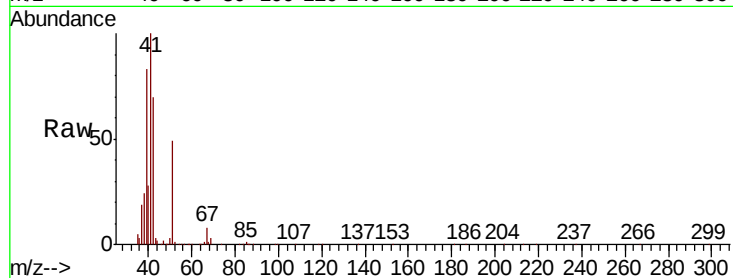
BFB93

Tot Ion: 41 Resp: 636588

Ion Ratio Lower Upper

41 100

42 72.0 57.0 85.6



#10

Heptane

Concen: 9.893 ppbv

RT: 8.10 min Scan# 1651

Delta R.T. -0.05 min

Lab File: VL036192.D

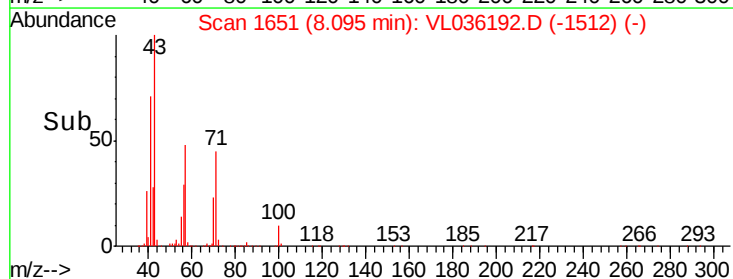
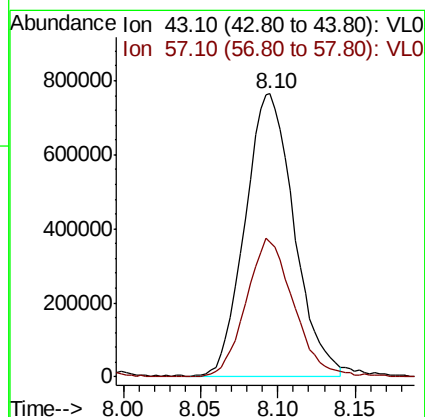
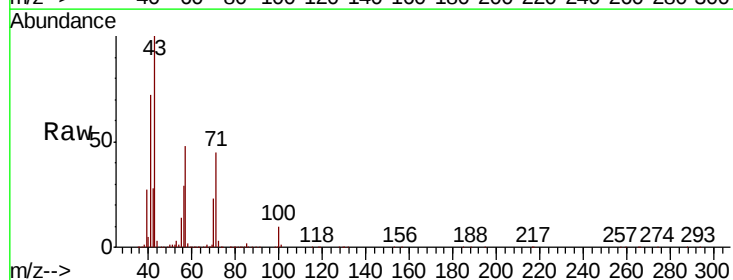
Acq: 23 Dec 2020 10:37

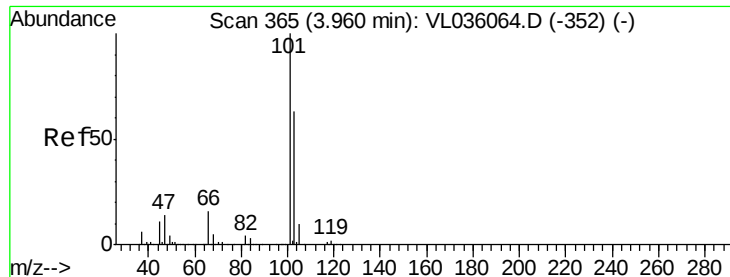
Tgt Ion: 43 Resp: 1679782

Ion Ratio Lower Upper

43 100

57 48.0 37.9 56.9

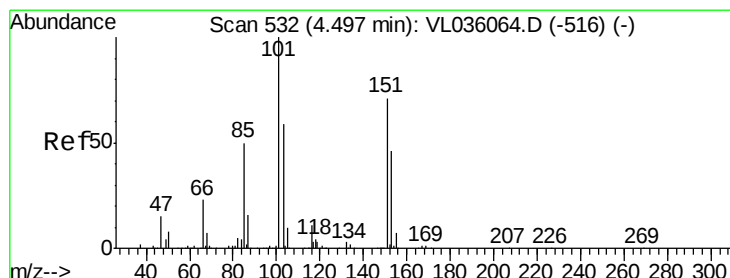
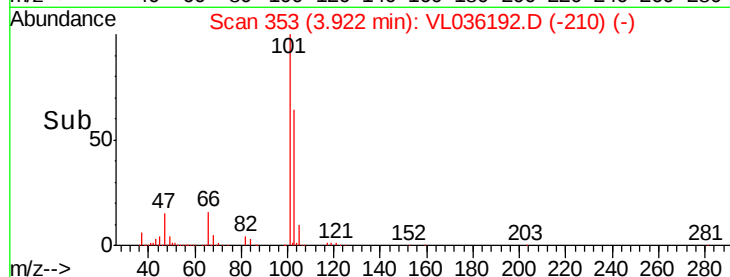
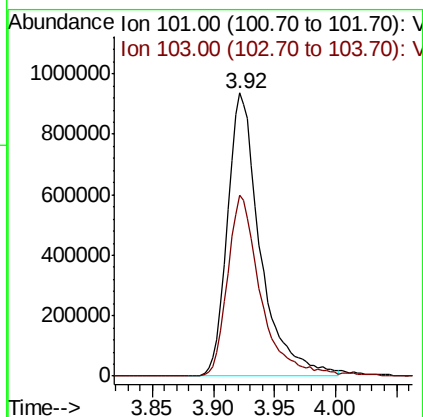
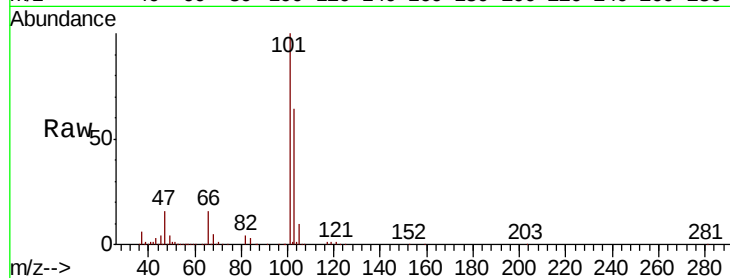




#11
 Trichlorofluoromethane
 Concen: 11.058 ppbv
 RT: 3.92 min Scan# 353
 Delta R.T. -0.04 min
 Lab File: VL036192.D
 Acq: 23 Dec 2020 10:37

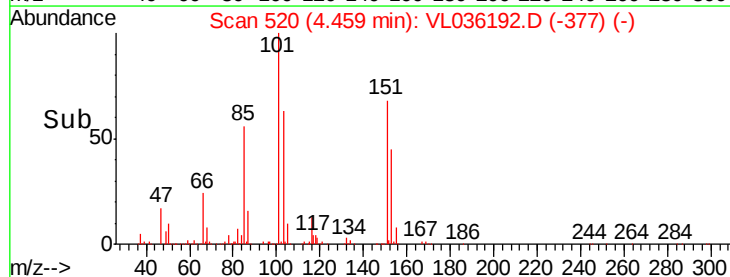
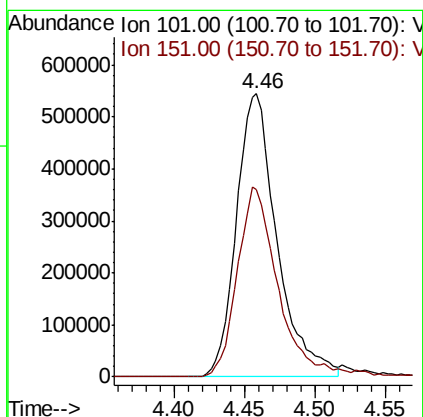
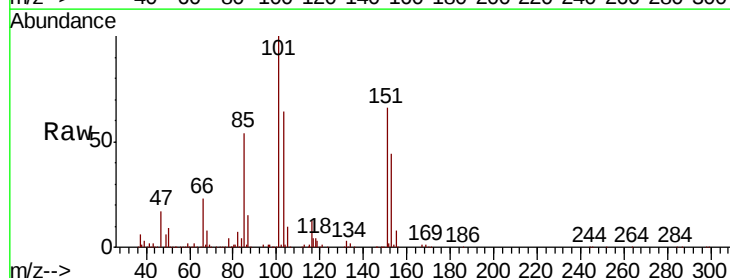
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB93

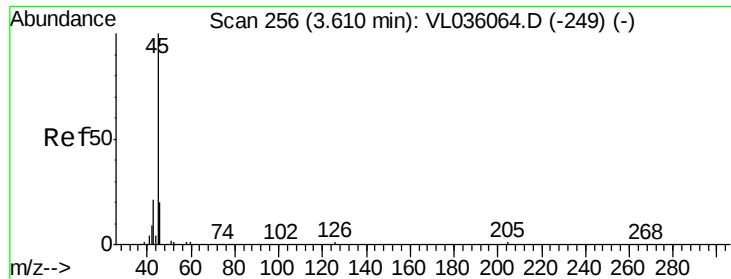
Tot Ion:101 Resp: 1762379
 Ion Ratio Lower Upper
 101 100
 103 64.0 50.3 75.5



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.172 ppbv
 RT: 4.46 min Scan# 520
 Delta R.T. -0.04 min
 Lab File: VL036192.D
 Acq: 23 Dec 2020 10:37

Tgt Ion:101 Resp: 1101053
 Ion Ratio Lower Upper
 101 100
 151 68.4 59.3 88.9





#13

Ethanol

Concen: 10.794 ppbv

RT: 3.58 min Scan# 248

Delta R.T. -0.03 min

Lab File: VL036192.D

Acq: 23 Dec 2020 10:37

Instrument :

MSVOA_L

ClientSampleId :

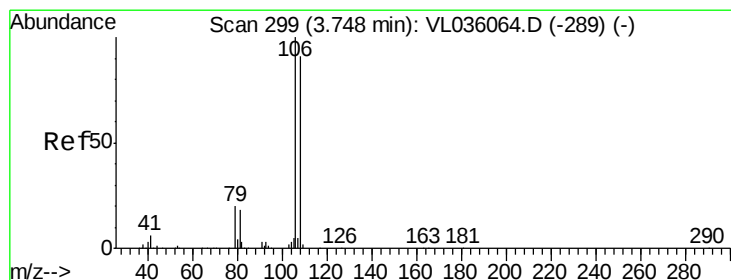
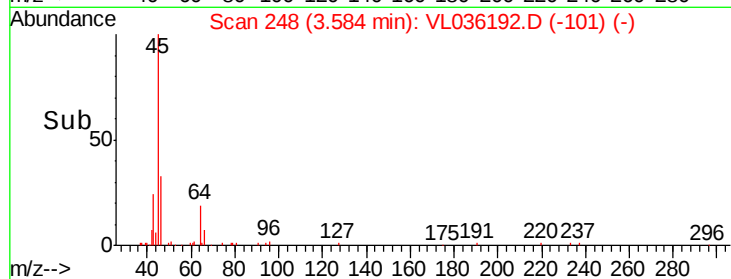
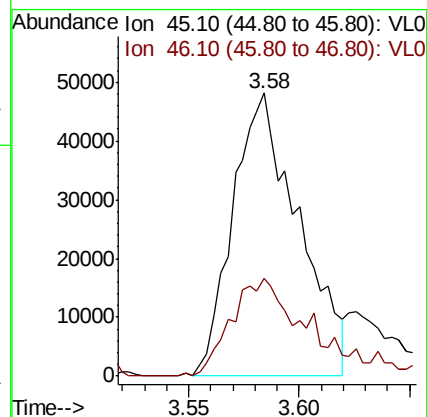
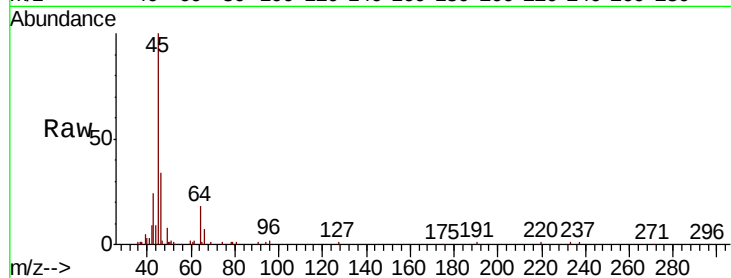
BFB93

Tot Ion: 45 Resp: 98929

Ion Ratio Lower Upper

45 100

46 42.3 19.0 75.8



#14

Bromoethene

Concen: 10.431 ppbv

RT: 3.71 min Scan# 287

Delta R.T. -0.04 min

Lab File: VL036192.D

Acq: 23 Dec 2020 10:37

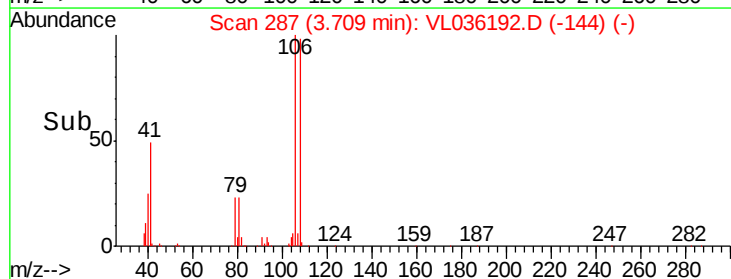
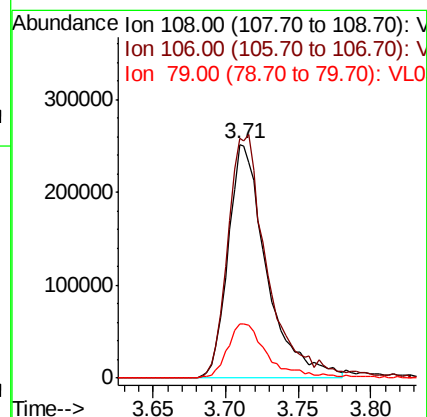
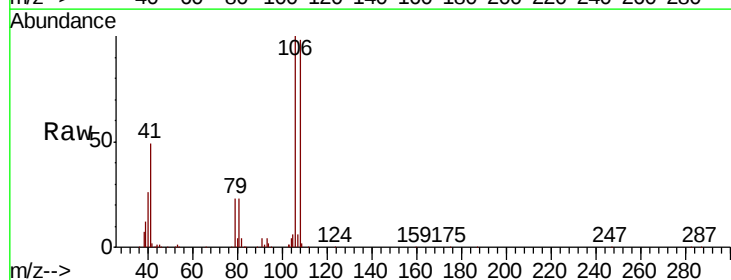
Tgt Ion: 108 Resp: 463189

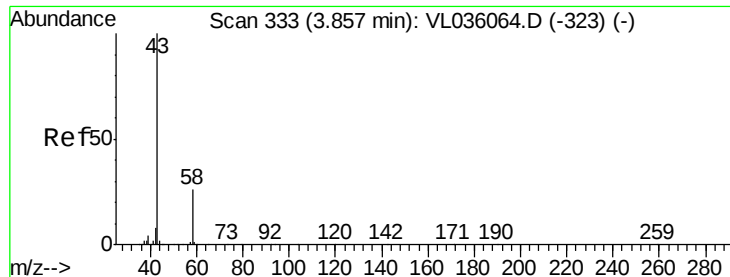
Ion Ratio Lower Upper

108 100

106 109.3 91.0 136.4

79 25.0 19.3 28.9





#15

Acetone

Concen: 11.659 ppbv

RT: 3.82 min Scan# 322

Delta R.T. -0.04 min

Lab File: VL036192.D

Acq: 23 Dec 2020 10:37

Instrument :

MSVOA_L

ClientSampleId :

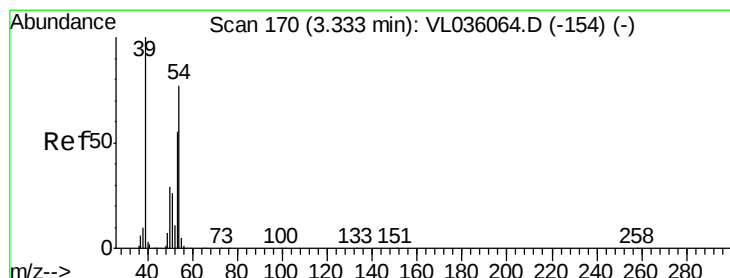
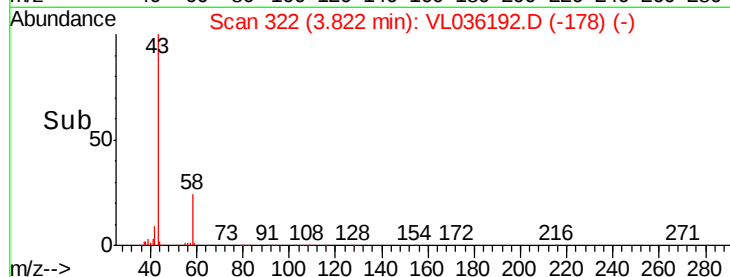
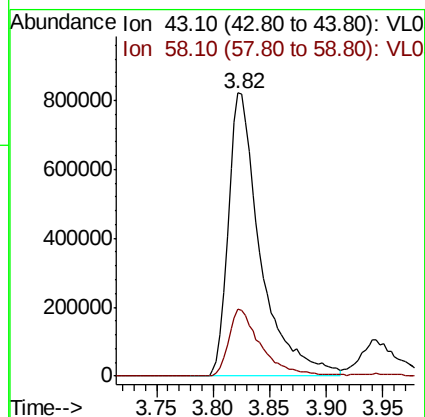
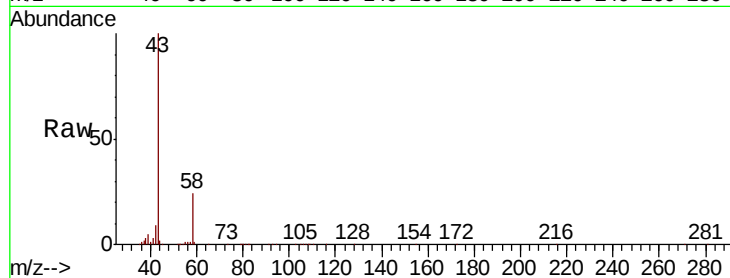
BFB93

Tot Ion: 43 Resp: 1629914

Ion Ratio Lower Upper

43 100

58 24.6 20.9 31.3



#16

1,3-Butadiene

Concen: 10.272 ppbv

RT: 3.30 min Scan# 160

Delta R.T. -0.03 min

Lab File: VL036192.D

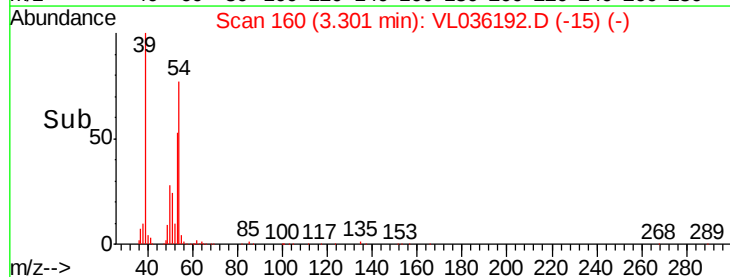
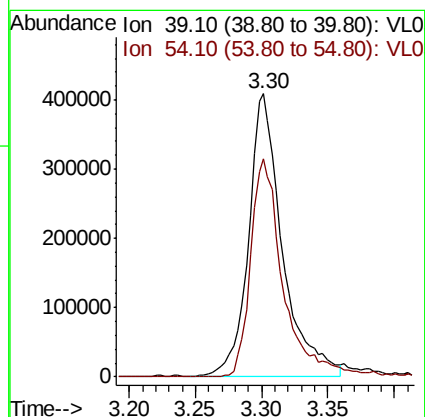
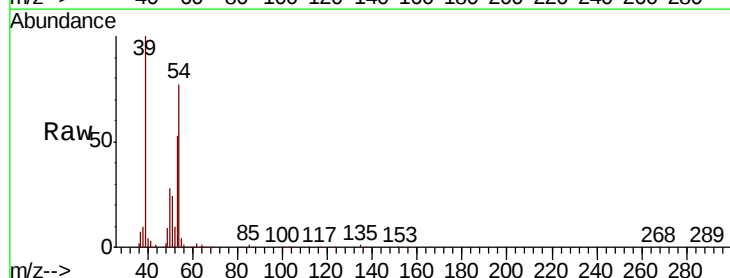
Acq: 23 Dec 2020 10:37

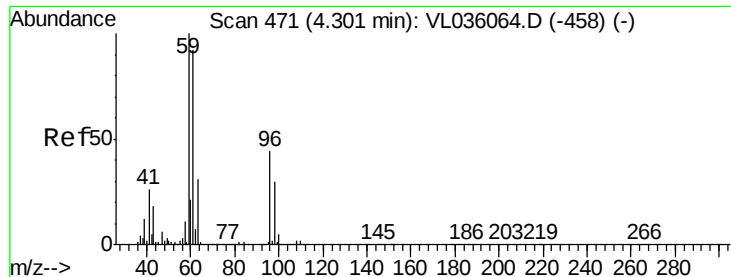
Tgt Ion: 39 Resp: 723266

Ion Ratio Lower Upper

39 100

54 75.5 62.1 93.1





#17

tert-Butyl alcohol
Concen: 9.068 ppbv
RT: 4.27 min Scan# 460
Delta R.T. -0.04 min
Lab File: VL036192.D
Acq: 23 Dec 2020 10:37

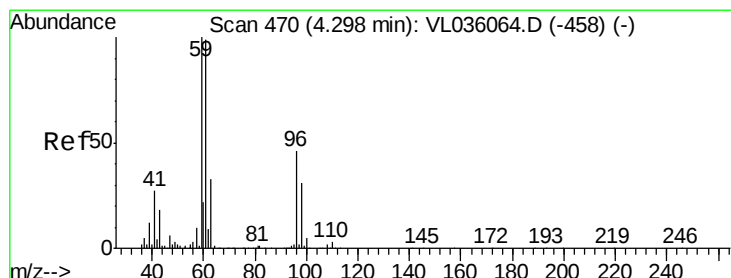
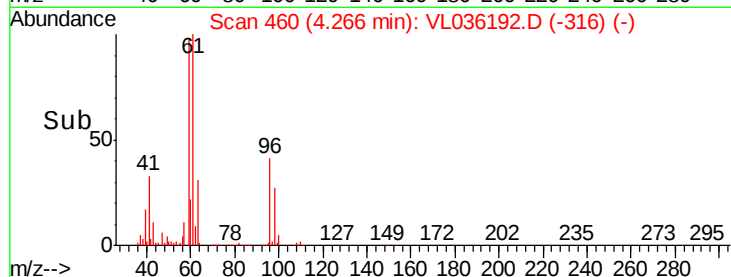
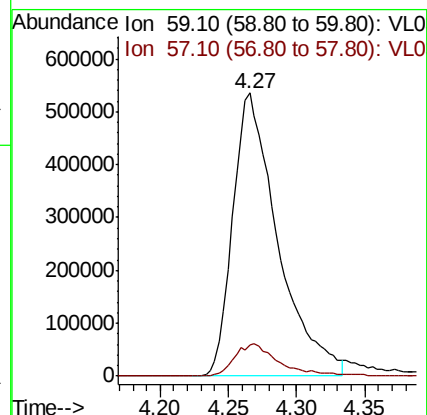
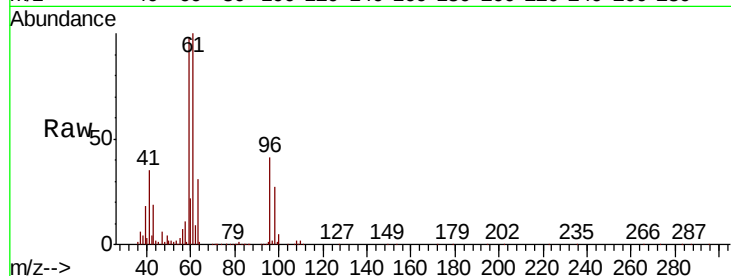
Instrument :
MSVOA_L
ClientSampleId :
BFB93

Tot Ion: 59 Resp: 1227869

Ion Ratio Lower Upper

59 100

57 11.7 8.7 13.1



#18

1,1-Dichloroethene
Concen: 9.953 ppbv
RT: 4.26 min Scan# 458
Delta R.T. -0.04 min
Lab File: VL036192.D
Acq: 23 Dec 2020 10:37

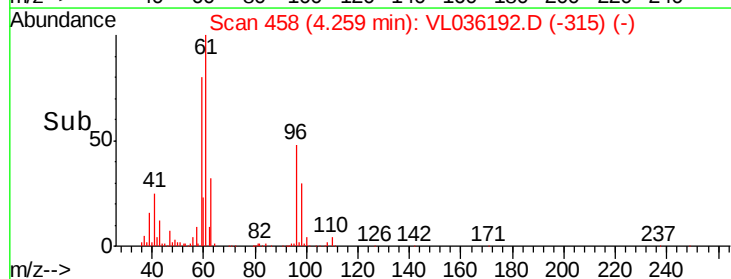
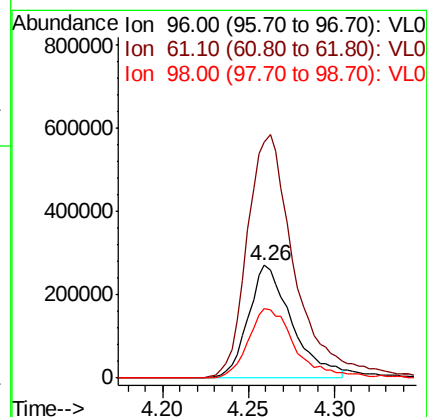
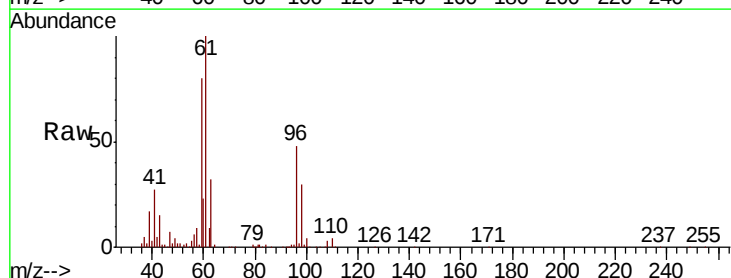
Tgt Ion: 96 Resp: 478322

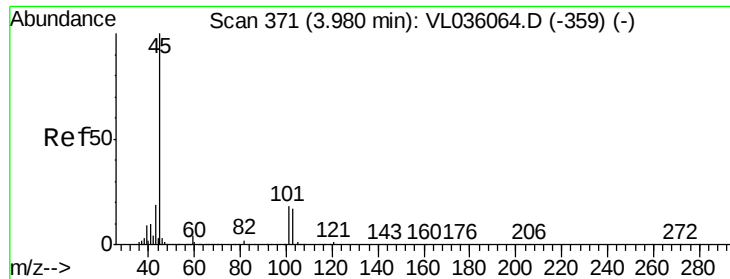
Ion Ratio Lower Upper

96 100

61 209.0 171.4 257.2

98 61.7 54.2 81.2





#19

Isopropyl Alcohol

Concen: 9.751 ppbv

RT: 3.94 min Scan# 360

Delta R.T. -0.04 min

Lab File: VL036192.D

Acq: 23 Dec 2020 10:37

Instrument :

MSVOA_L

ClientSampleId :

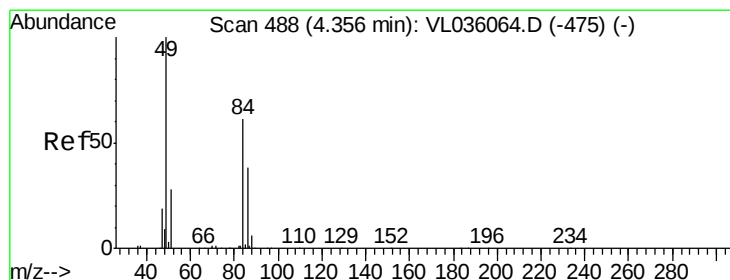
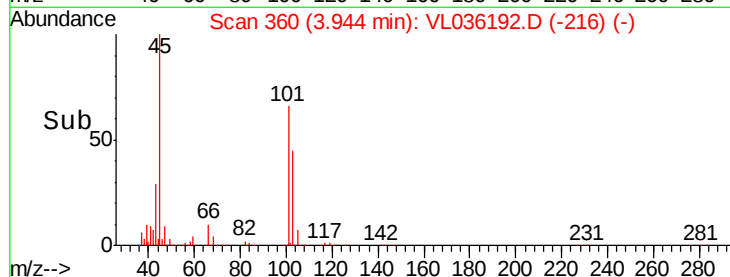
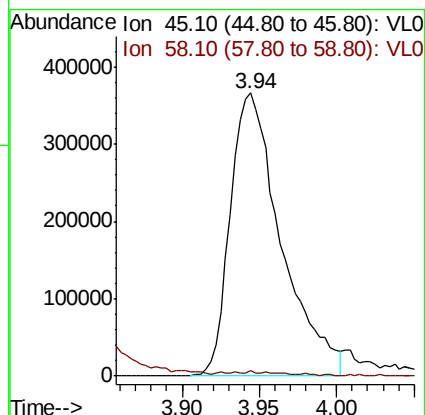
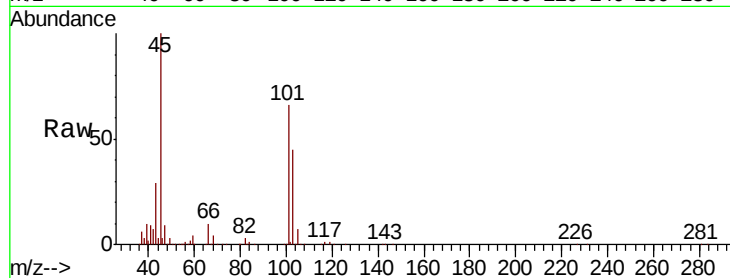
BFB93

Tot Ion: 45 Resp: 833219

Ion Ratio Lower Upper

45 100

58 1.7 0.0 0.0#



#20

Methylene Chloride

Concen: 7.356 ppbv

RT: 4.32 min Scan# 476

Delta R.T. -0.04 min

Lab File: VL036192.D

Acq: 23 Dec 2020 10:37

Tgt Ion: 84 Resp: 421380

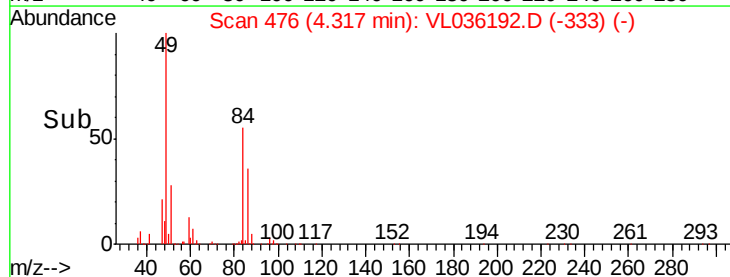
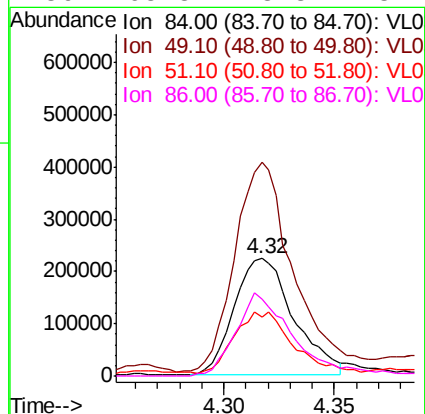
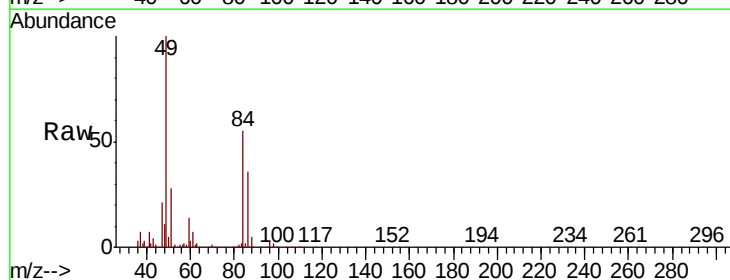
Ion Ratio Lower Upper

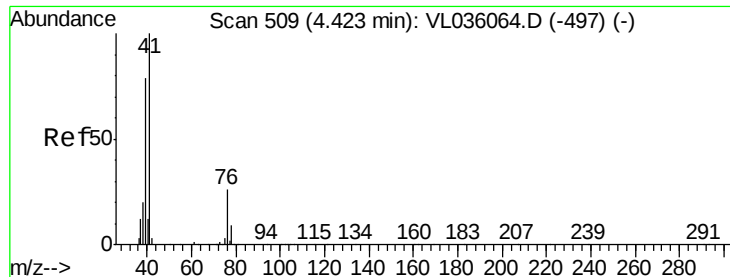
84 100

49 179.0 133.0 199.4

51 47.9 38.9 58.3

86 65.8 48.8 73.2





#21

Allvl Chloride

Concen: 10.051 ppbv

RT: 4.38 min Scan# 497

Delta R.T. -0.04 min

Lab File: VL036192.D

Acq: 23 Dec 2020 10:37

Instrument :

MSVOA_L

ClientSampleId :

BFB93

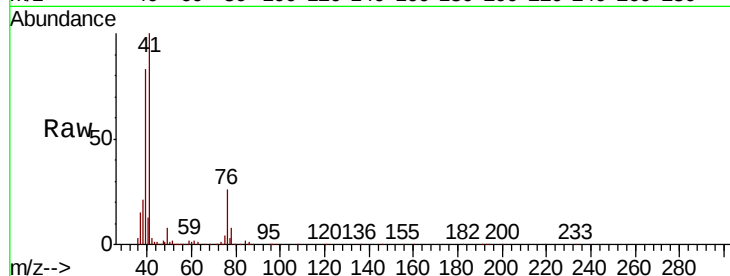
Tot Ion: 41 Resp: 934335

Ion Ratio Lower Upper

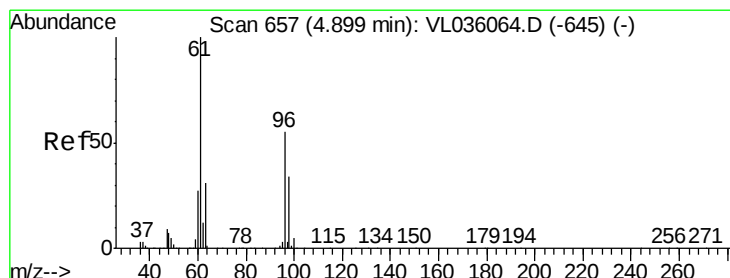
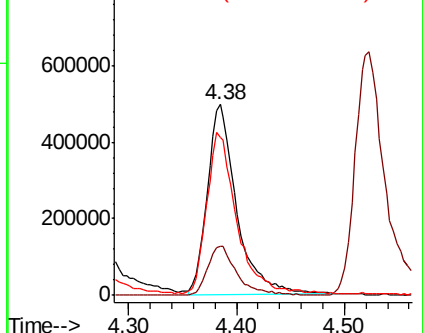
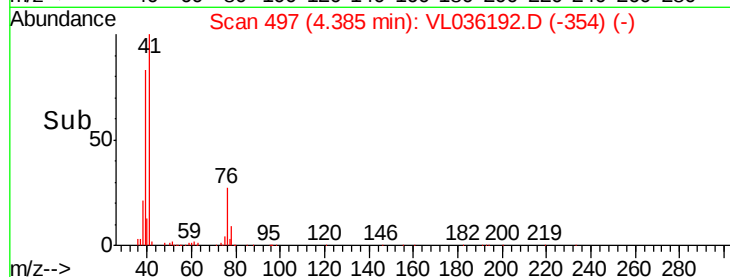
41 100

76 26.1 21.0 31.4

39 86.7 66.0 99.0



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



#22

trans-1,2-Dichloroethene

Concen: 9.838 ppbv

RT: 4.85 min Scan# 643

Delta R.T. -0.05 min

Lab File: VL036192.D

Acq: 23 Dec 2020 10:37

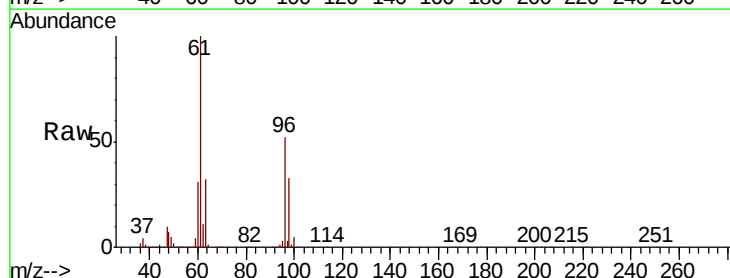
Tgt Ion: 96 Resp: 473368

Ion Ratio Lower Upper

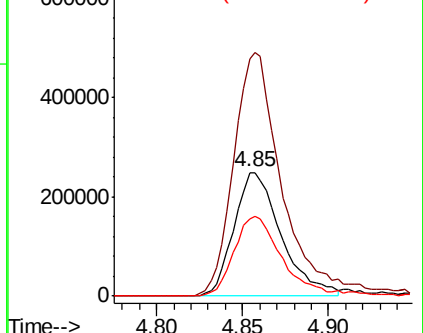
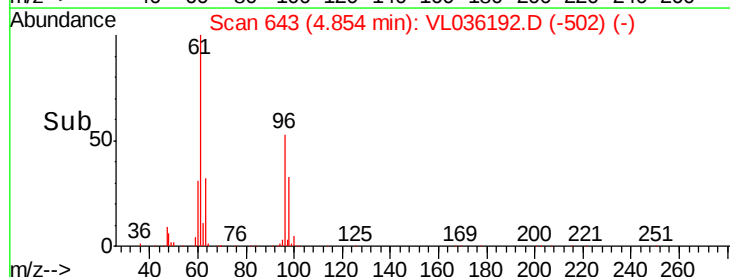
96 100

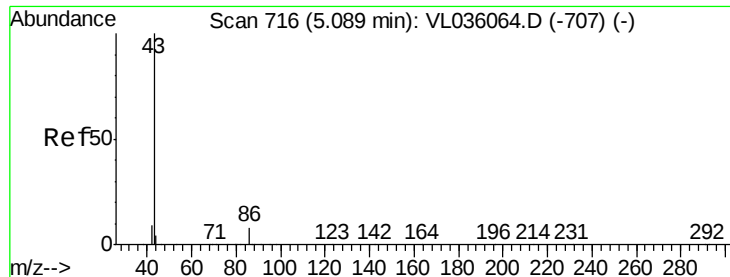
61 192.1 145.7 218.5

98 62.6 49.2 73.8



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





#23

Vinyl Acetate

Concen: 10.346 ppbv

RT: 5.05 min Scan# 703

Delta R.T. -0.04 min

Lab File: VL036192.D

Acq: 23 Dec 2020 10:37

Instrument :

MSVOA_L

ClientSampleId :

BFB93

Tot Ion: 43 Resp: 1925624

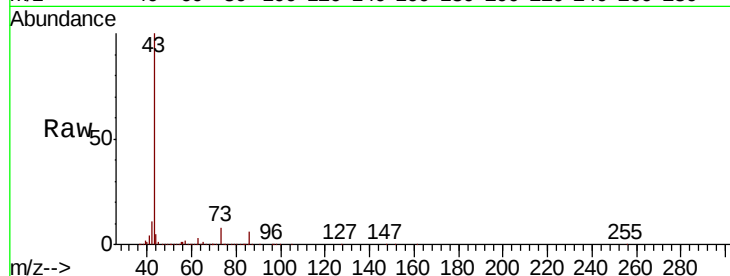
Ion Ratio Lower Upper

43 100

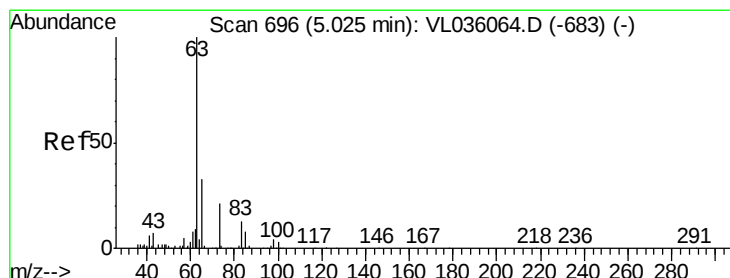
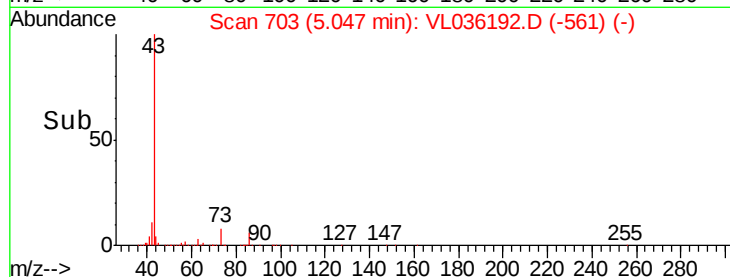
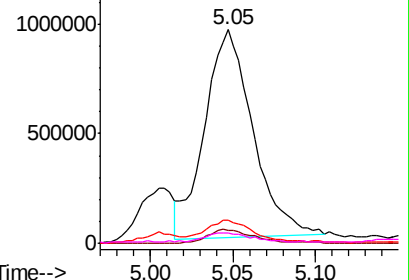
86 6.0 5.0 7.4

42 10.8 7.8 11.6

44 4.3 3.2 4.8



Abundance Ion 43.10 (42.80 to 43.80): VL0
1500000 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: 9.820 ppbv

RT: 4.99 min Scan# 684

Delta R.T. -0.04 min

Lab File: VL036192.D

Acq: 23 Dec 2020 10:37

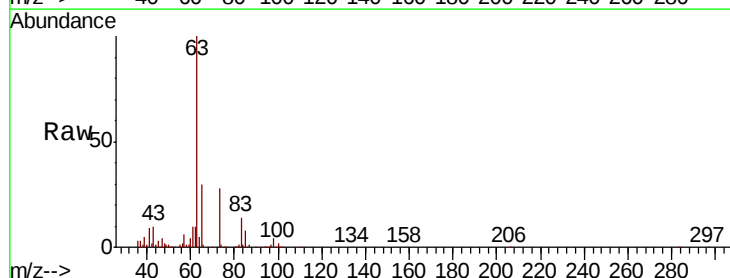
Tgt Ion: 63 Resp: 1285465

Ion Ratio Lower Upper

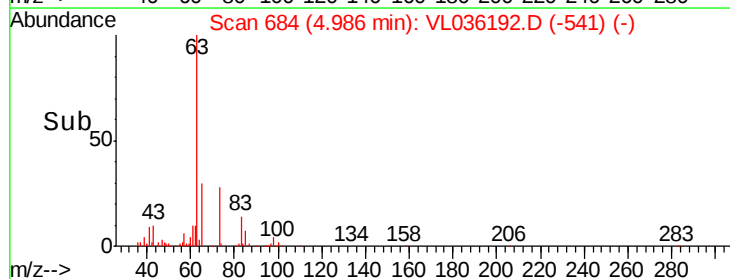
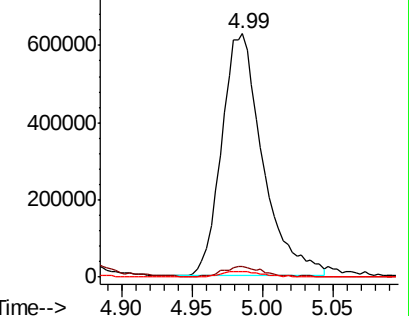
63 100

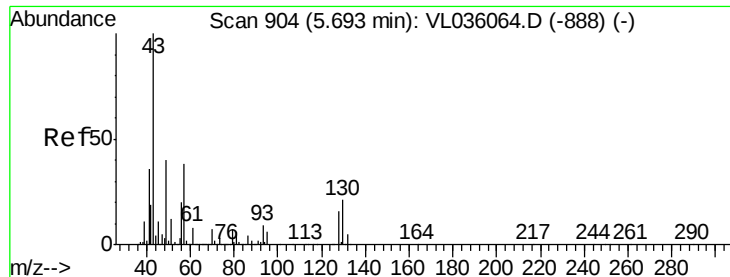
98 4.1 2.2 6.6

100 2.2 1.5 4.4



Abundance Ion 63.10 (62.80 to 63.80): VL0
800000 Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0



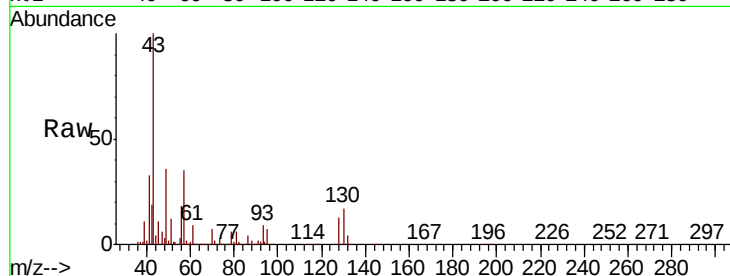


#25
Ethyl Acetate
Concen: 10.387 ppbv
RT: 5.65 min Scan# 890
Delta R.T. -0.05 min
Lab File: VL036192.D
Acq: 23 Dec 2020 10:37

Instrument :
MSVOA_L
ClientSampleId :
BFB93

Tot Ion: 43 Resp: 2900981

Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.2	12.4
61	9.4	7.4	11.2
70	6.7	5.4	8.0



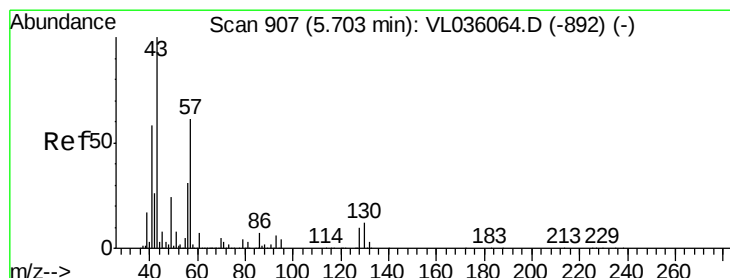
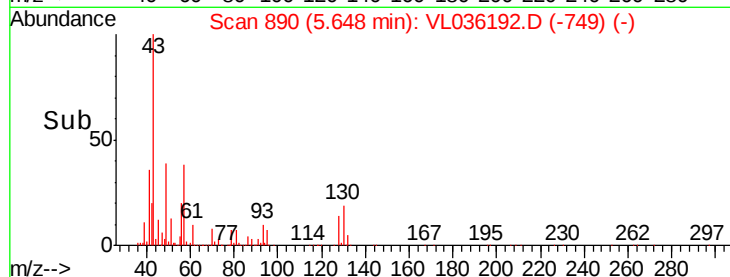
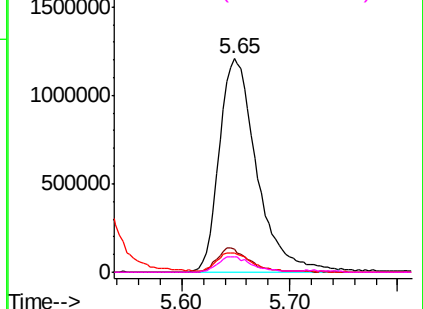
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

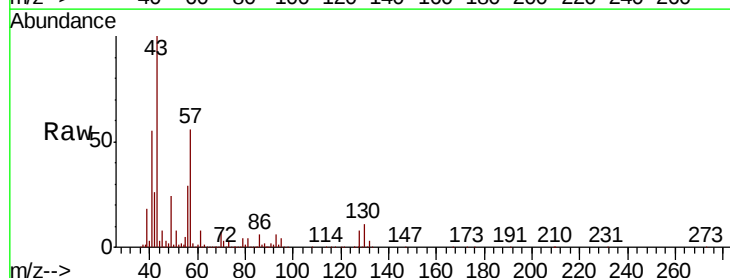
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.388 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.05 min
Lab File: VL036192.D
Acq: 23 Dec 2020 10:37

Tgt Ion: 57 Resp: 1180057

Ion	Ratio	Lower	Upper
57	100		
41	102.6	82.9	124.3
43	250.5	199.9	299.9
56	54.3	43.1	64.7



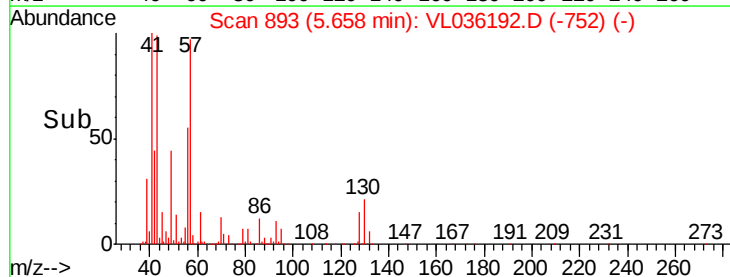
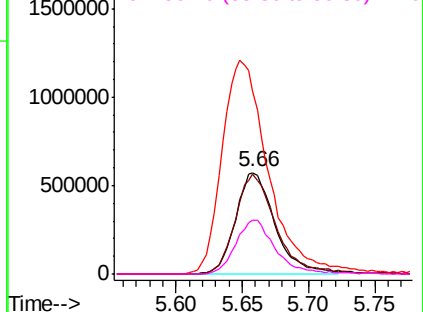
Abundance

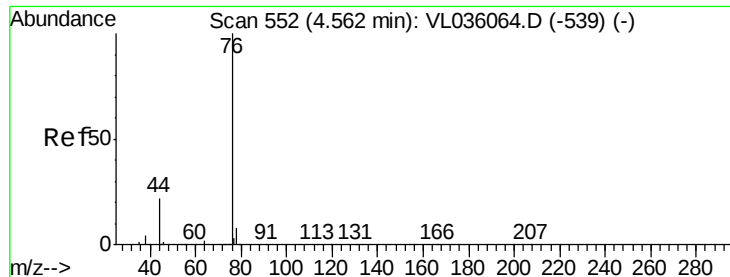
Ion 57.10 (56.80 to 57.80): VL0

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: 9.991 ppbv

RT: 4.52 min Scan# 540

Delta R.T. -0.04 min

Lab File: VL036192.D

Acq: 23 Dec 2020 10:37

Instrument :

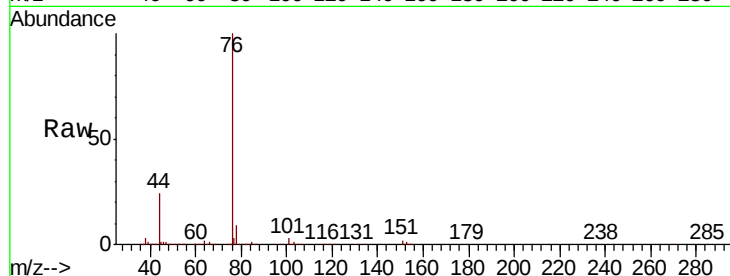
MSVOA_L

ClientSampleId :

BFB93

Tot Ion: 76 Resp: 1248049

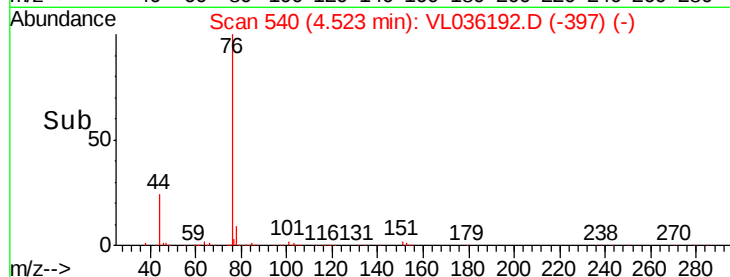
Ion	Ratio	Lower	Upper
76	100		
44	24.4	17.9	26.9
78	9.8	7.8	11.8



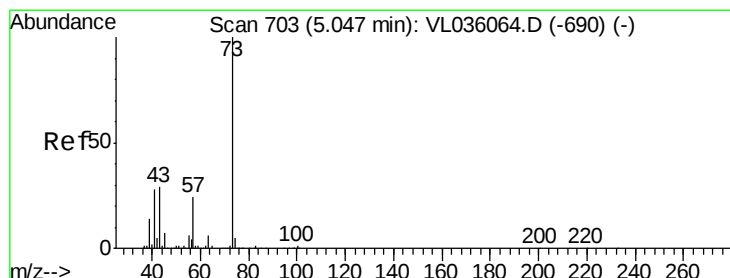
Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



Time-->



#28

Methyl tert-Butyl Ether

Concen: 9.531 ppbv

RT: 5.01 min Scan# 691

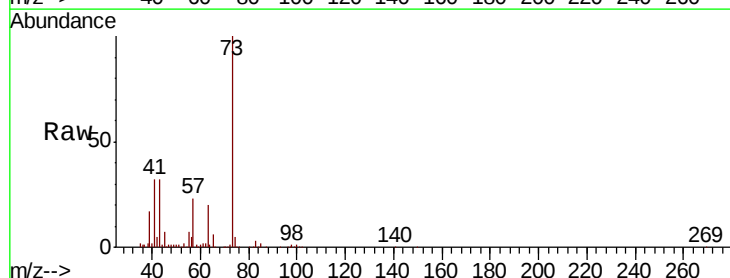
Delta R.T. -0.04 min

Lab File: VL036192.D

Acq: 23 Dec 2020 10:37

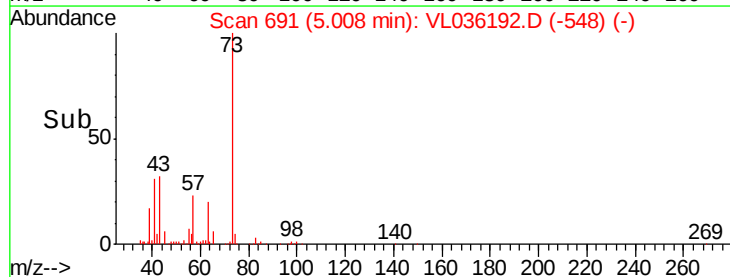
Tgt Ion: 73 Resp: 1703216

Ion	Ratio	Lower	Upper
73	100		
57	23.5	19.2	28.8

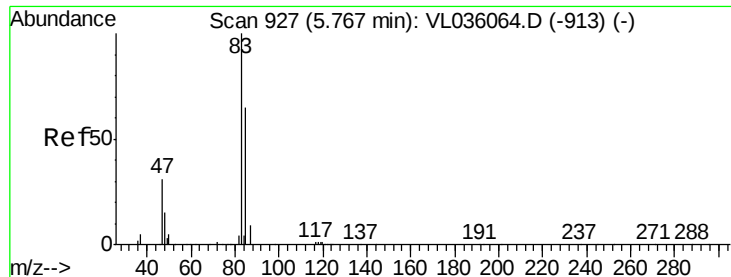


Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



Time-->



#29

Chloroform

Concen: 10.925 ppbv

RT: 5.73 min Scan# 914

Delta R.T. -0.04 min

Lab File: VL036192.D

Acq: 23 Dec 2020 10:37

Instrument :

MSVOA_L

ClientSampleId :

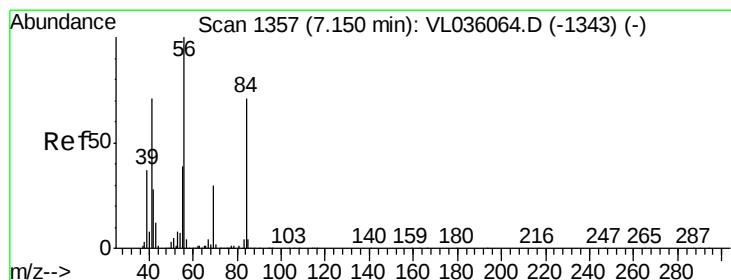
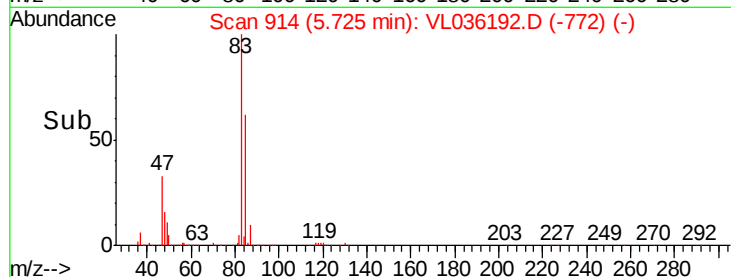
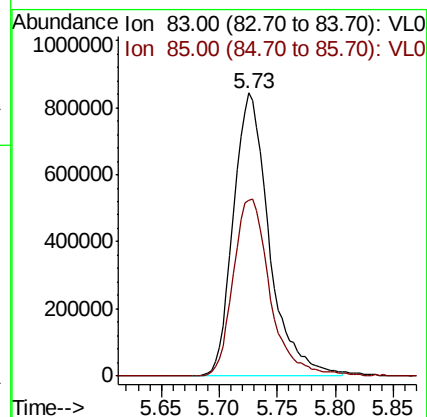
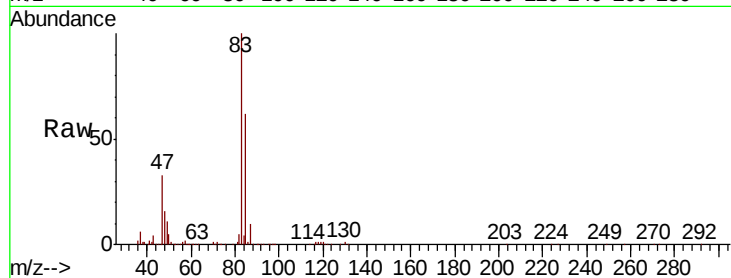
BFB93

Tot Ion: 83 Resp: 1803282

Ion Ratio Lower Upper

83 100

85 62.2 51.8 77.6



#30

Cyclohexane

Concen: 9.874 ppbv

RT: 7.10 min Scan# 1341

Delta R.T. -0.05 min

Lab File: VL036192.D

Acq: 23 Dec 2020 10:37

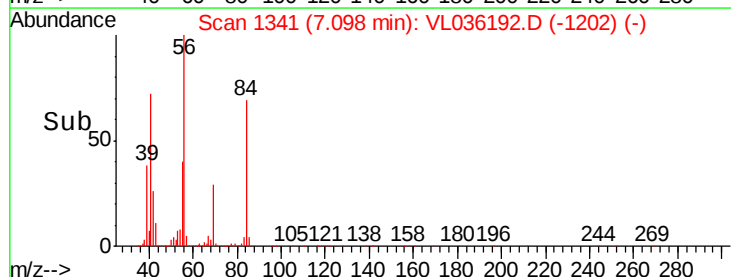
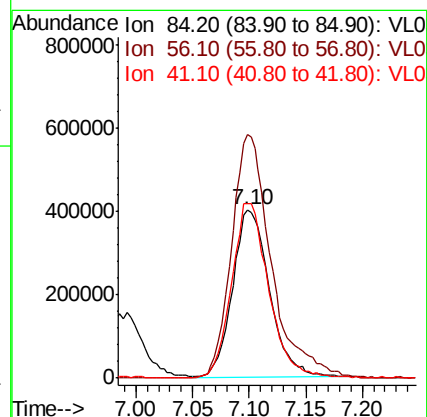
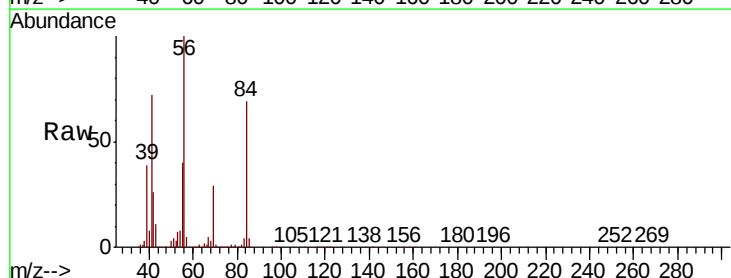
Tgt Ion: 84 Resp: 911657

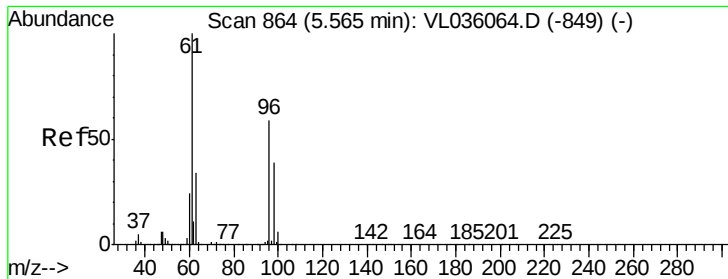
Ion Ratio Lower Upper

84 100

56 157.9 128.0 192.0

41 105.6 81.3 121.9

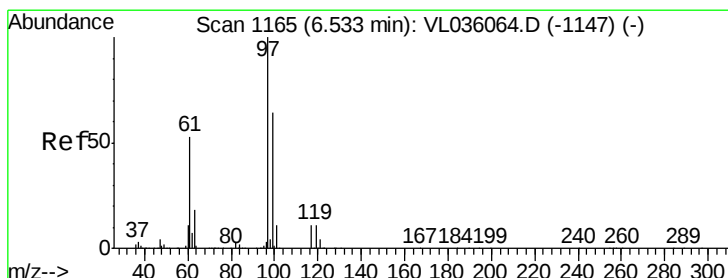
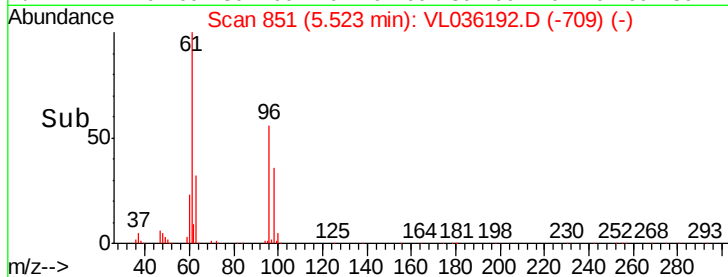
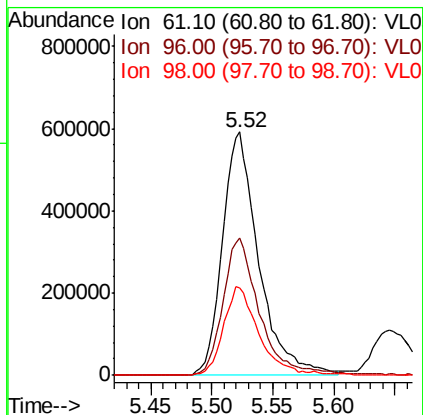
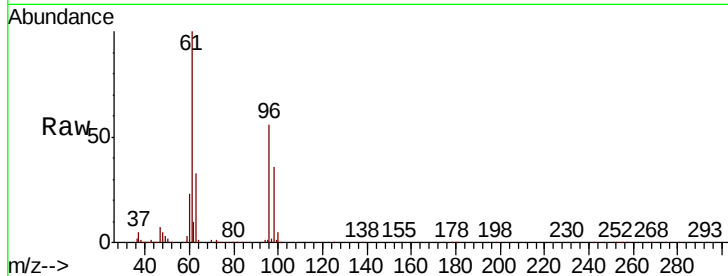




#31
 cis-1,2-Dichloroethene
 Concen: 10.730 ppbv
 RT: 5.52 min Scan# 851
 Delta R.T. -0.04 min
 Lab File: VL036192.D
 Acq: 23 Dec 2020 10:37

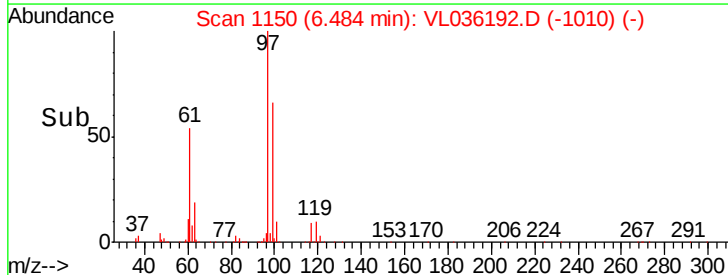
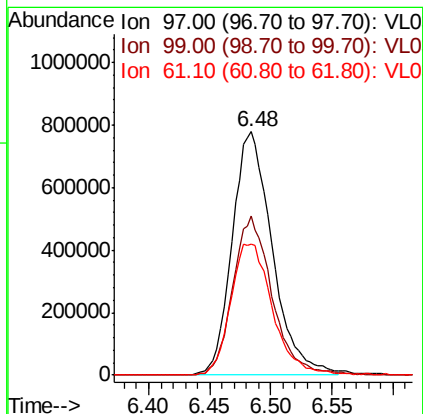
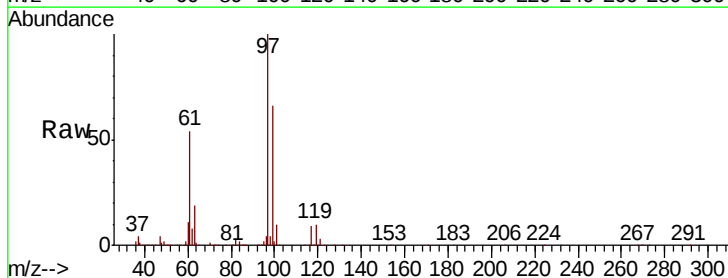
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB93

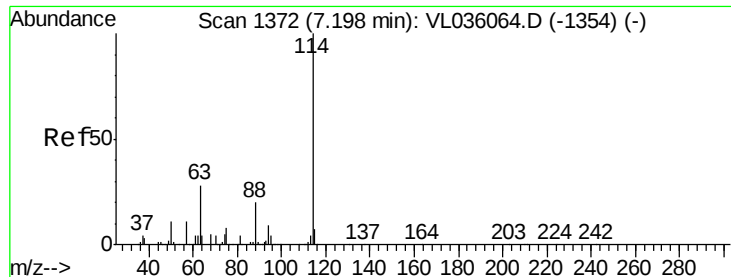
Tot Ion: 61 Resp: 1226002
 Ion Ratio Lower Upper
 61 100
 96 56.3 47.3 70.9
 98 35.7 31.4 47.0



#32
 1,1,1-Trichloroethane
 Concen: 10.426 ppbv
 RT: 6.48 min Scan# 1150
 Delta R.T. -0.05 min
 Lab File: VL036192.D
 Acq: 23 Dec 2020 10:37

Tgt Ion: 97 Resp: 1775702
 Ion Ratio Lower Upper
 97 100
 99 64.1 52.4 78.6
 61 56.9 43.4 65.0

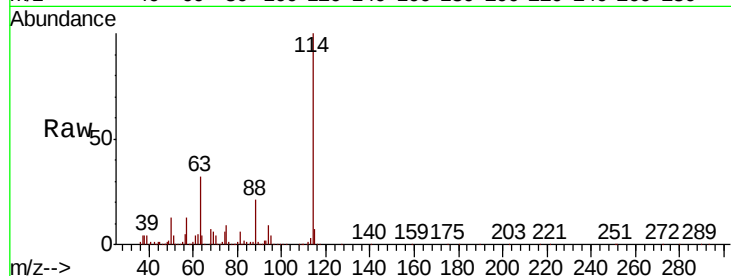




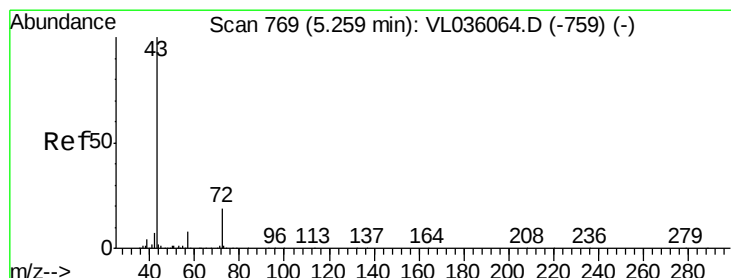
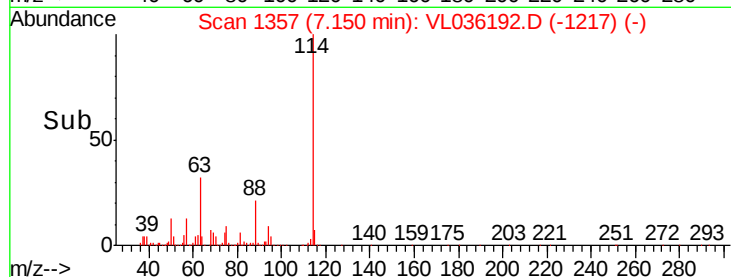
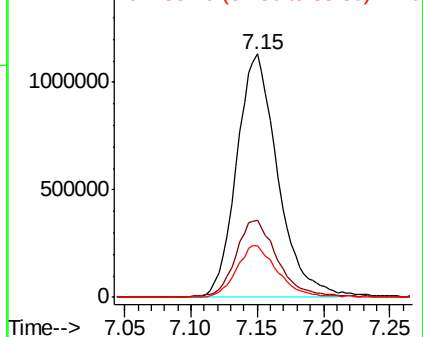
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1357
 Delta R.T. -0.05 min
 Lab File: VL036192.D
 Acq: 23 Dec 2020 10:37

Instrument :
 MSVOA_L
 ClientSampleId :
 BFB93

Tot Ion:114 Resp: 2440914
 Ion Ratio Lower Upper
 114 100
 63 32.7 23.6 35.4
 88 21.3 15.8 23.6

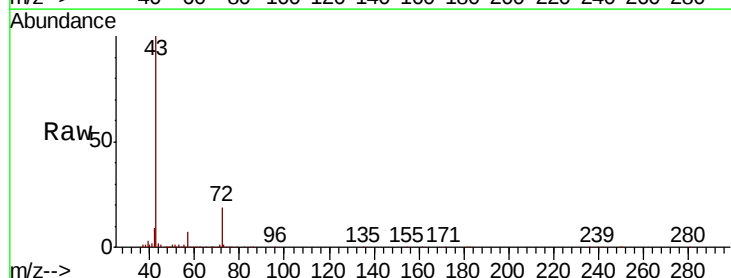


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

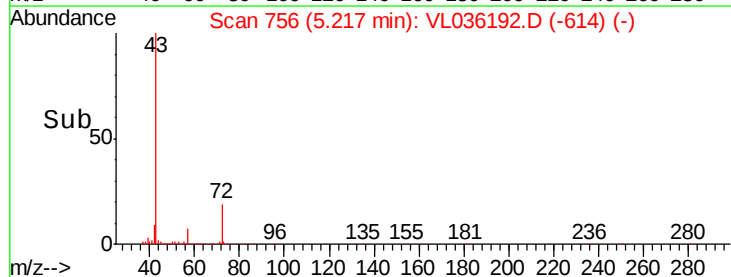
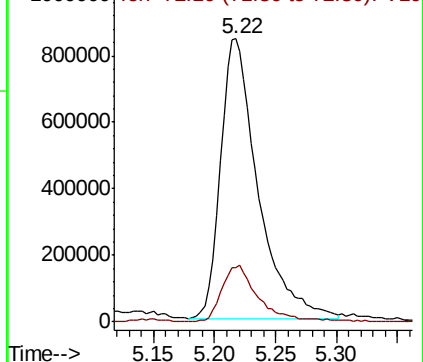


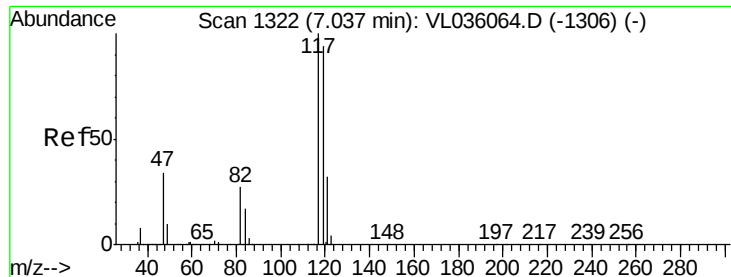
#34
 2-Butanone
 Concen: 11.132 ppbv
 RT: 5.22 min Scan# 756
 Delta R.T. -0.04 min
 Lab File: VL036192.D
 Acq: 23 Dec 2020 10:37

Tgt Ion: 43 Resp: 1802353
 Ion Ratio Lower Upper
 43 100
 72 20.4 16.5 24.7



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

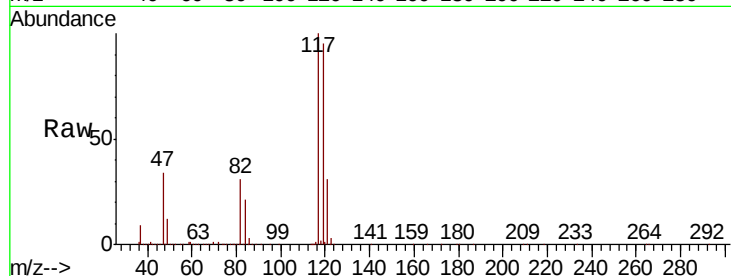




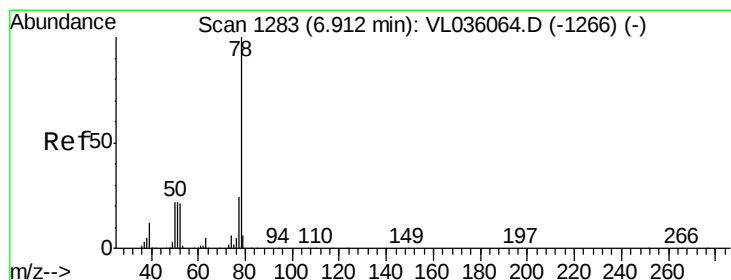
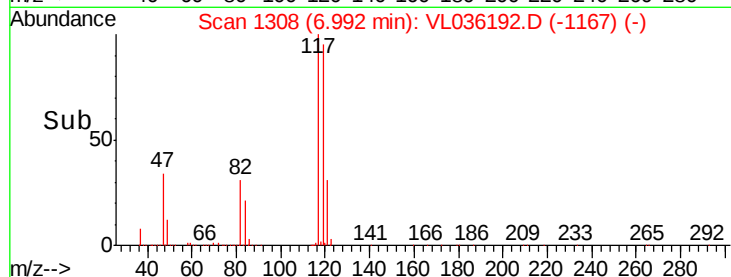
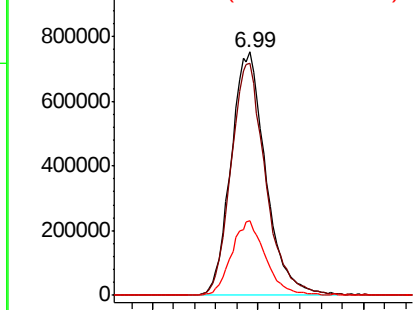
#35
Carbon Tetrachloride
Concen: 12.078 ppbv
RT: 6.99 min Scan# 1308
Delta R.T. -0.05 min
Lab File: VL036192.D
Acq: 23 Dec 2020 10:37

Instrument :
MSVOA_L
ClientSampleId :
BFB93

Tot Ion:117 Resp: 1719135
Ion Ratio Lower Upper
117 100
119 95.1 75.1 112.7
121 30.6 25.6 38.4

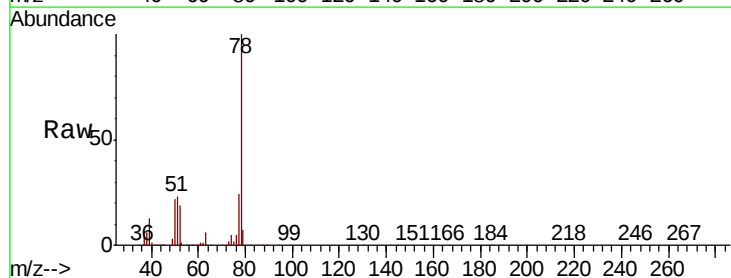


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

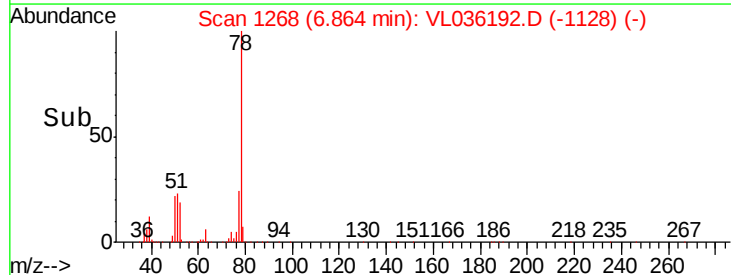
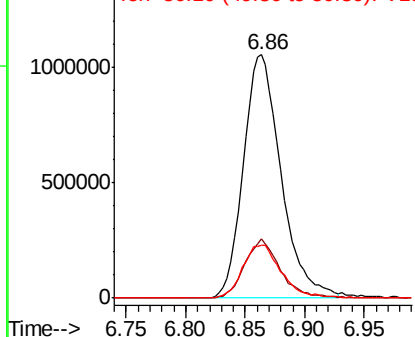


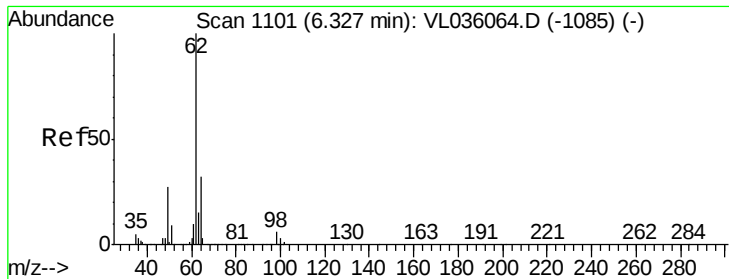
#36
Benzene
Concen: 11.205 ppbv
RT: 6.86 min Scan# 1268
Delta R.T. -0.05 min
Lab File: VL036192.D
Acq: 23 Dec 2020 10:37

Tgt Ion: 78 Resp: 2317850
Ion Ratio Lower Upper
78 100
77 24.1 19.4 29.2
50 21.7 17.8 26.8



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: 12.920 ppbv

RT: 6.28 min Scan# 1086

Delta R.T. -0.05 min

Lab File: VL036192.D

Acq: 23 Dec 2020 10:37

Instrument :

MSVOA_L

ClientSampleId :

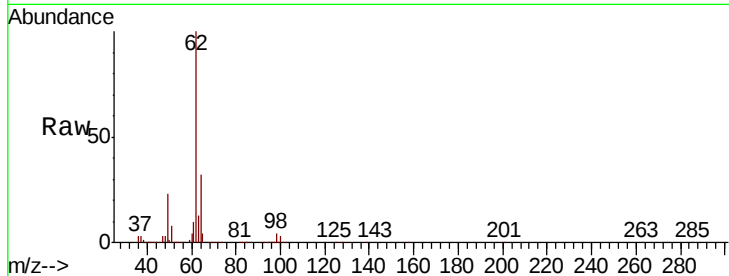
BFB93

Tot Ion: 62 Resp: 1548705

Ion Ratio Lower Upper

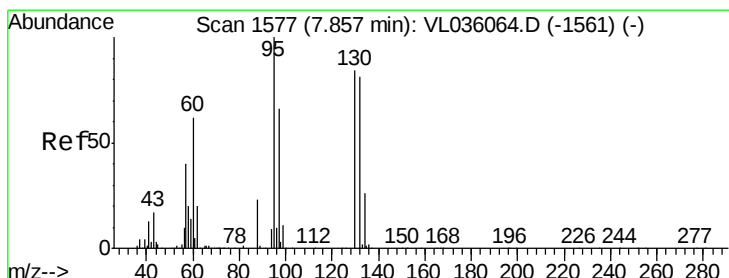
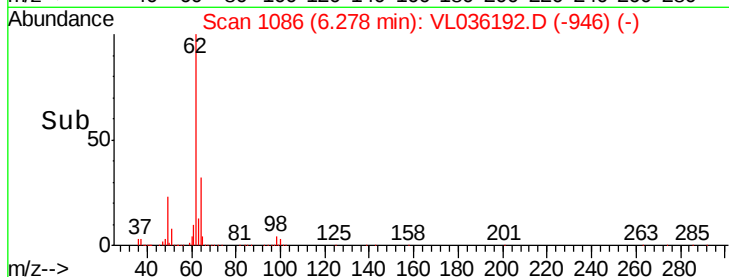
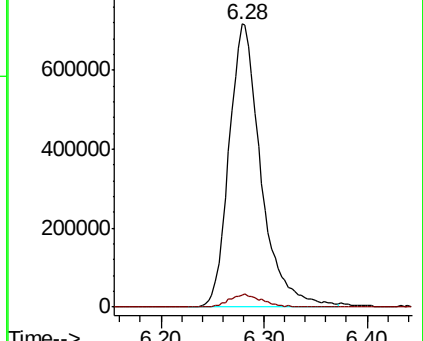
62 100

98 4.9 4.6 7.0



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 9.265 ppbv

RT: 7.81 min Scan# 1561

Delta R.T. -0.05 min

Lab File: VL036192.D

Acq: 23 Dec 2020 10:37

Tgt Ion:130 Resp: 716446

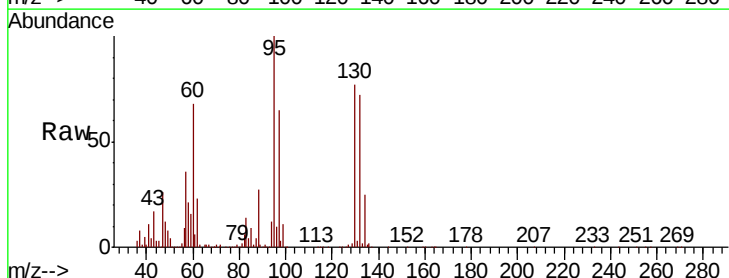
Ion Ratio Lower Upper

130 100

95 130.4 95.2 142.8

132 94.3 76.9 115.3

97 84.5 62.3 93.5

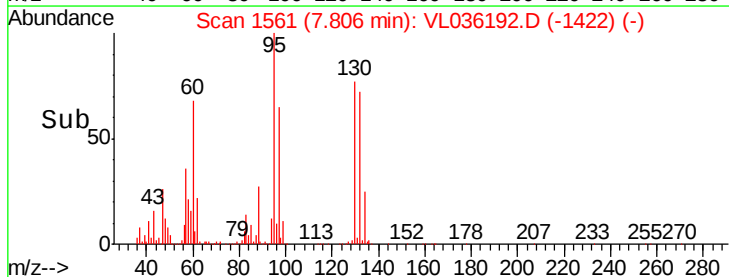
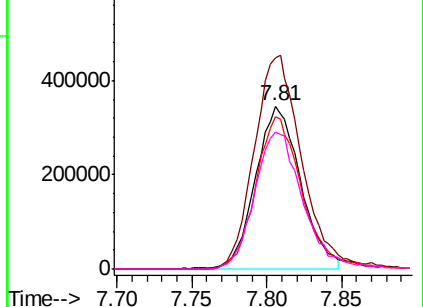


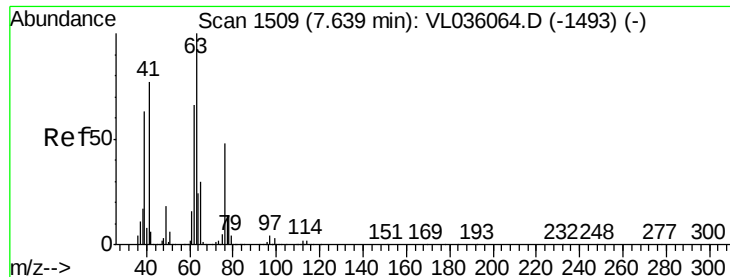
Abundance Ion 130.00 (129.70 to 130.70): V

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

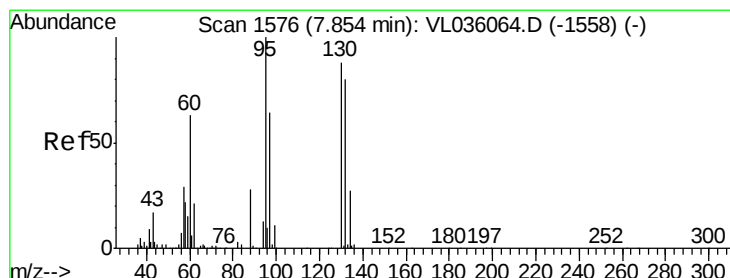
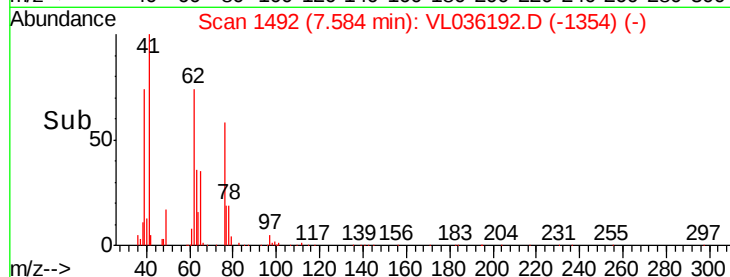
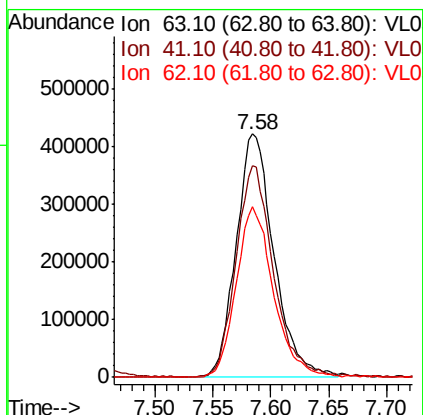
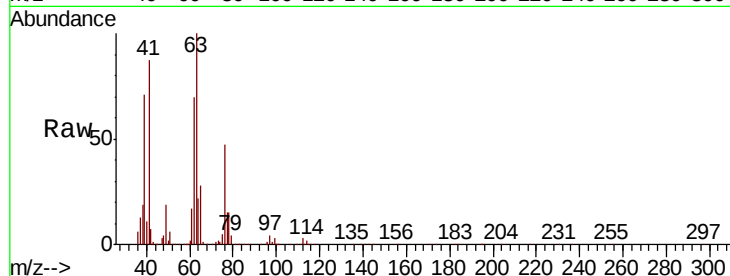




#39
 1,2-Dichloropropane
 Concen: 11.685 ppbv
 RT: 7.58 min Scan# 1492
 Delta R.T. -0.05 min
 Lab File: VL036192.D
 Acq: 23 Dec 2020 10:37

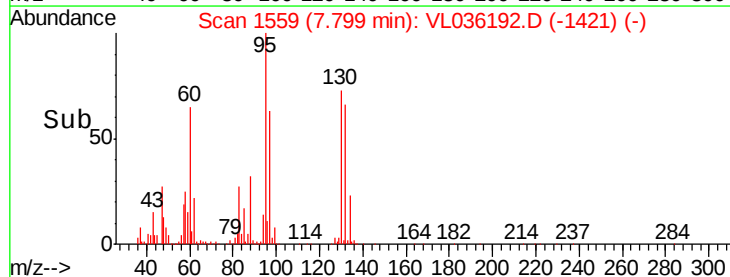
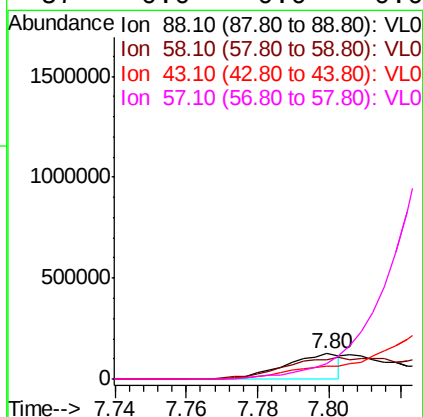
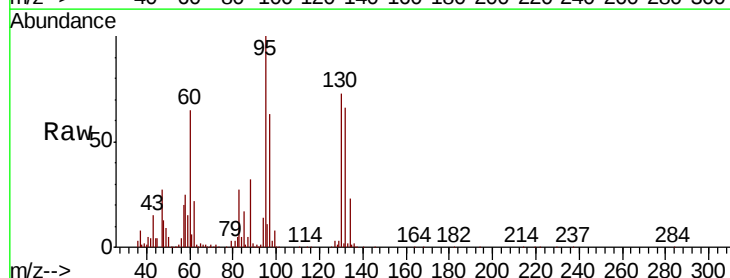
Instrument :
 MSVOA_L
 ClientSampled :
 BFB93

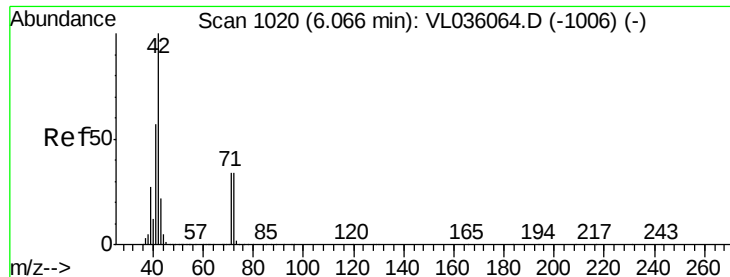
Tot Ion: 63 Resp: 954611
 Ion Ratio Lower Upper
 63 100
 41 86.4 61.9 92.9
 62 70.1 52.5 78.7



#40
 1,4-Dioxane
 Concen: 5.166 ppbv
 RT: 7.80 min Scan# 1559
 Delta R.T. -0.05 min
 Lab File: VL036192.D
 Acq: 23 Dec 2020 10:37

Tgt Ion: 88 Resp: 132730
 Ion Ratio Lower Upper
 88 100
 58 0.0 122.6 184.0#
 43 0.0 0.0 0.0
 57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 11.067 ppbv

RT: 6.02 min Scan# 1005

Delta R.T. -0.05 min

Lab File: VL036192.D

Acq: 23 Dec 2020 10:37

Instrument :

MSVOA_L

ClientSampleId :

BFB93

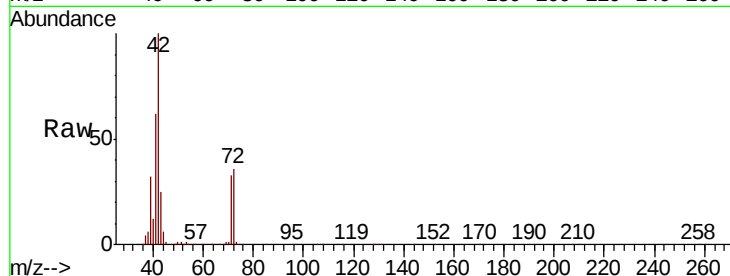
Tot Ion: 42 Resp: 1064494

Ion Ratio Lower Upper

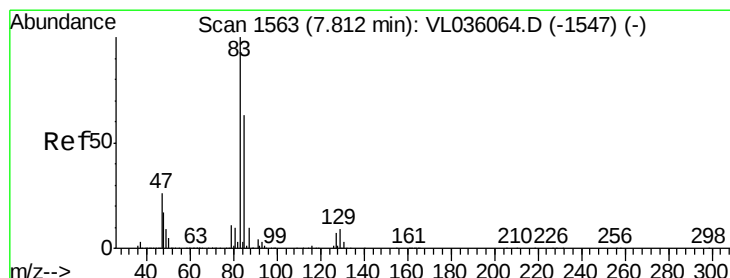
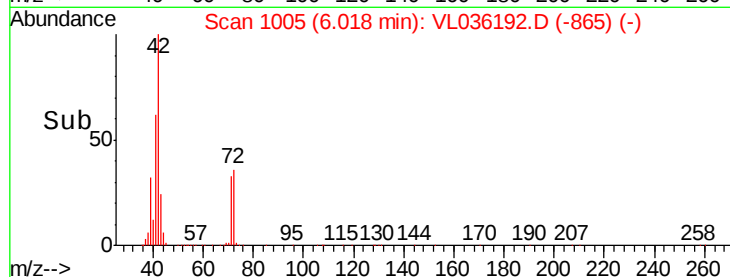
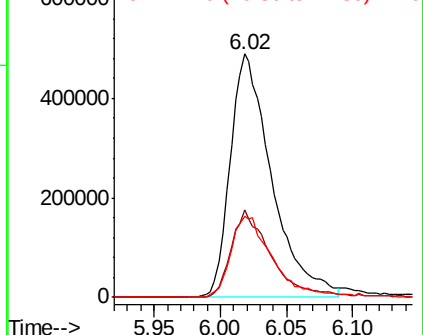
42 100

72 35.3 28.3 42.5

71 34.3 27.3 40.9



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: 12.409 ppbv

RT: 7.76 min Scan# 1548

Delta R.T. -0.05 min

Lab File: VL036192.D

Acq: 23 Dec 2020 10:37

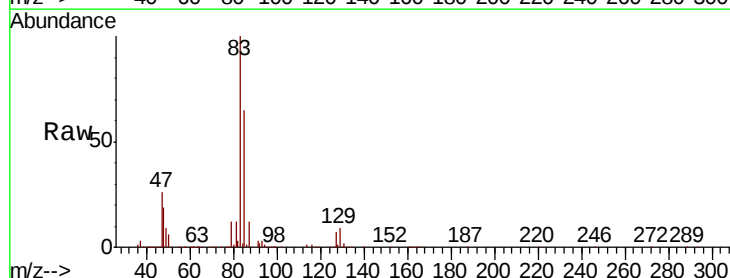
Tgt Ion: 83 Resp: 1982006

Ion Ratio Lower Upper

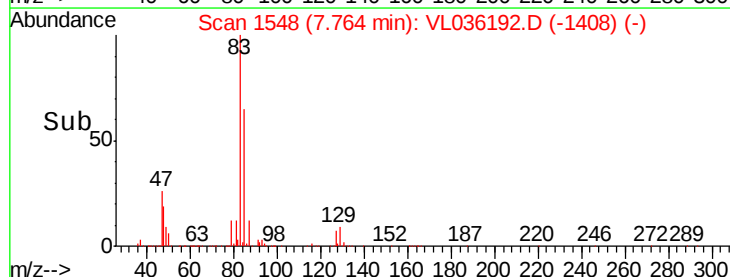
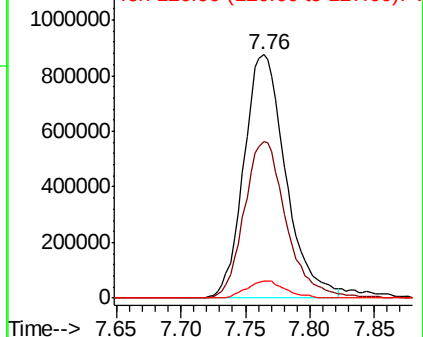
83 100

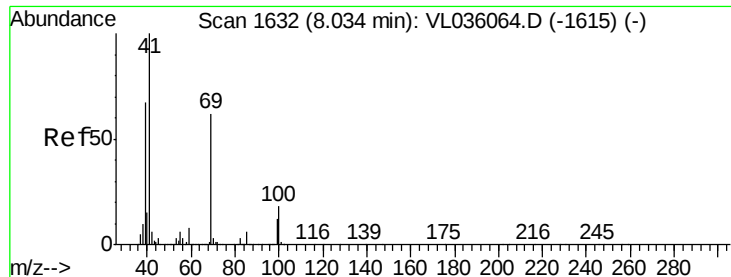
85 64.4 50.2 75.2

127 7.0 5.5 8.3



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

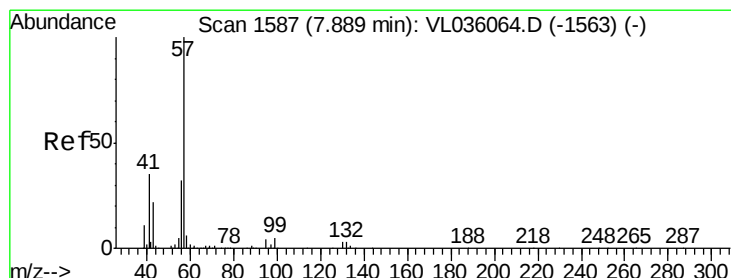
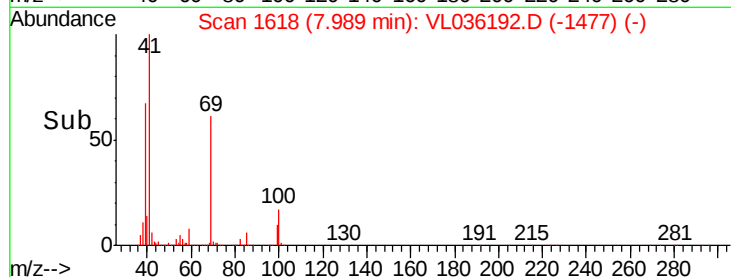
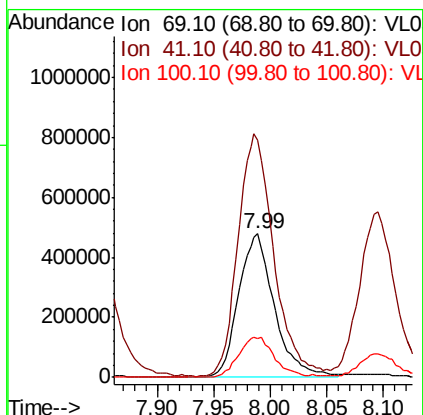
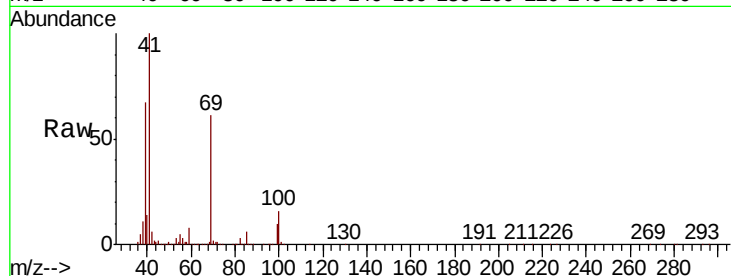




#43
Methvl Methacrilate
Concen: 11.878 ppbv
RT: 7.99 min Scan# 1618
Delta R.T. -0.05 min
Lab File: VL036192.D
Acq: 23 Dec 2020 10:37

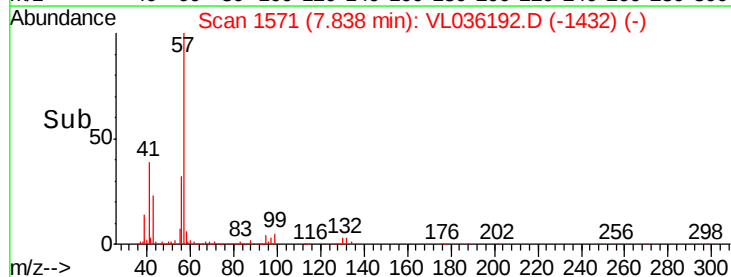
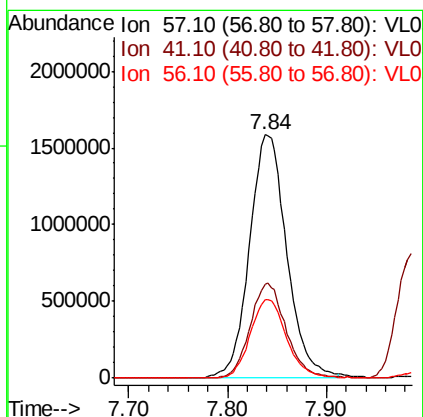
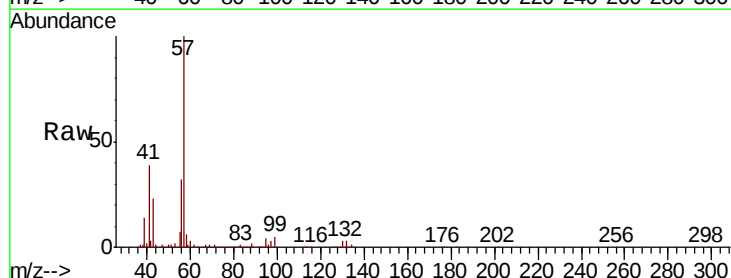
Instrument :
MSVOA_L
ClientSampleId :
BFB93

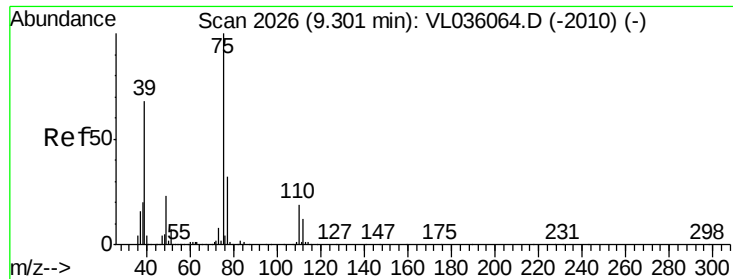
Tot Ion: 69 Resp: 1054117
Ion Ratio Lower Upper
69 100
41 170.2 133.0 199.6
100 28.4 25.4 38.0



#44
2,2,4-Trimethylpentane
Concen: 11.052 ppbv
RT: 7.84 min Scan# 1571
Delta R.T. -0.05 min
Lab File: VL036192.D
Acq: 23 Dec 2020 10:37

Tgt Ion: 57 Resp: 4140495
Ion Ratio Lower Upper
57 100
41 37.3 28.9 43.3
56 31.6 25.3 37.9





#45

t-1,3-Dichloropropene

Concen: 12.632 ppbv

RT: 9.25 min Scan# 2011

Delta R.T. -0.05 min

Lab File: VL036192.D

Acq: 23 Dec 2020 10:37

Instrument :

MSVOA_L

ClientSampleId :

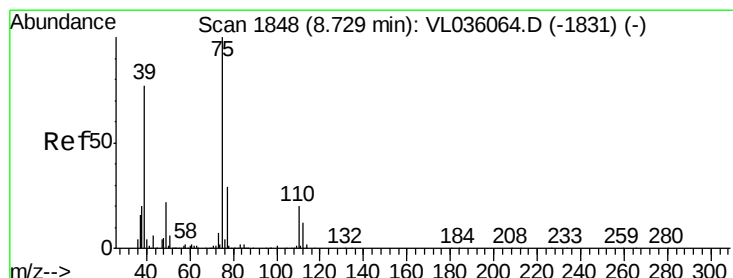
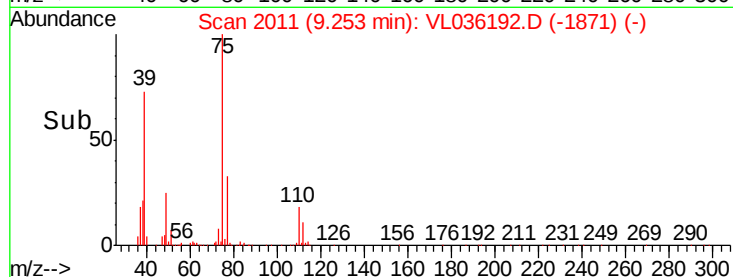
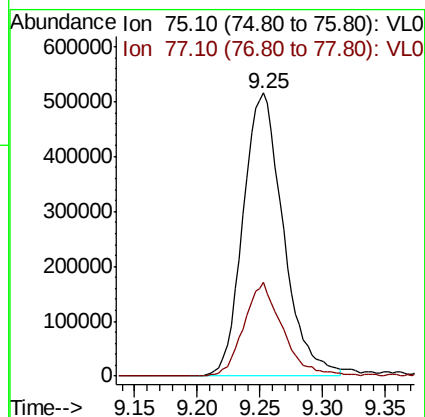
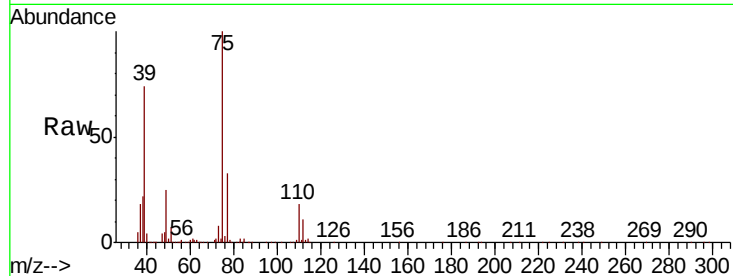
BFB93

Tot Ion: 75 Resp: 1151690

Ion Ratio Lower Upper

75 100

77 33.0 26.0 39.0



#46

cis-1,3-Dichloropropene

Concen: 11.949 ppbv

RT: 8.67 min Scan# 1831

Delta R.T. -0.05 min

Lab File: VL036192.D

Acq: 23 Dec 2020 10:37

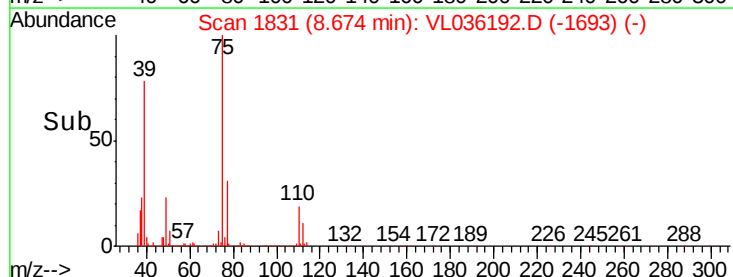
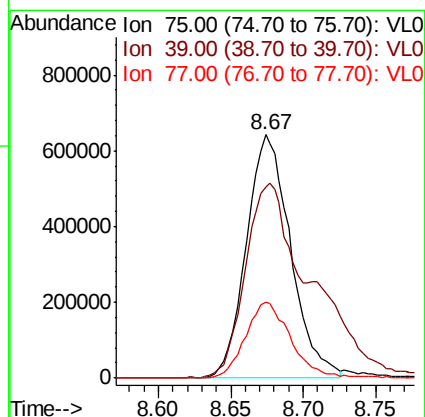
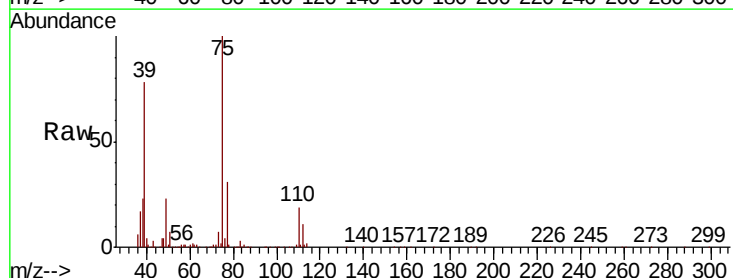
Tgt Ion: 75 Resp: 1365433

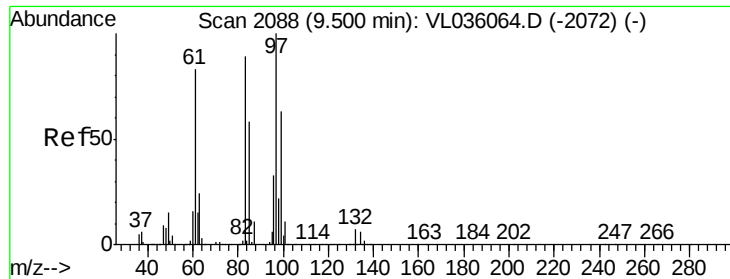
Ion Ratio Lower Upper

75 100

39 77.9 61.6 92.4

77 31.3 23.0 34.6

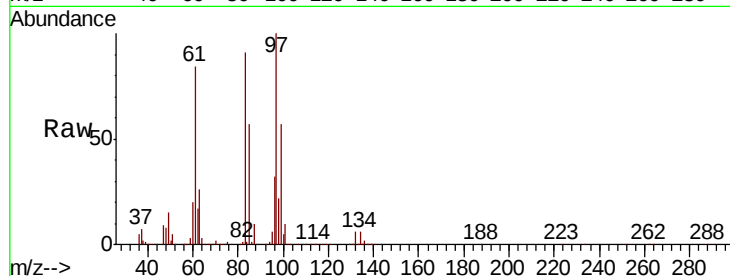




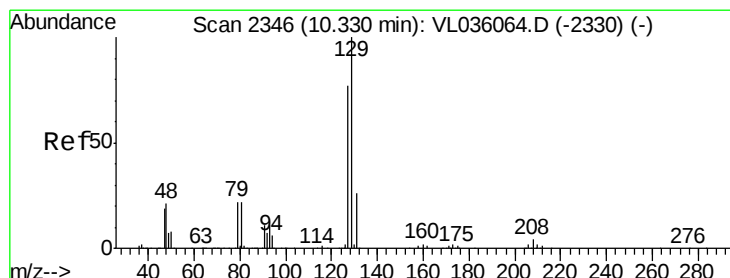
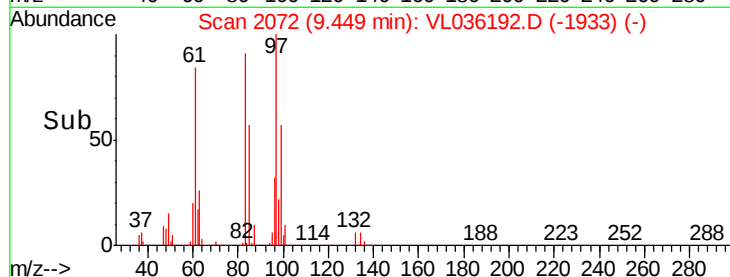
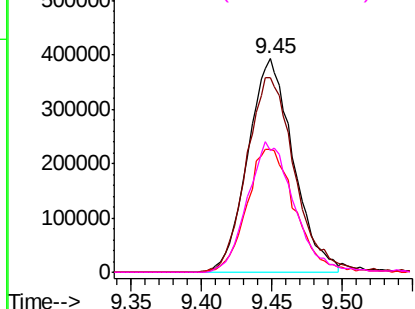
#47
 1,1,2-Trichloroethane
 Concen: 11.268 ppbv
 RT: 9.45 min Scan# 2072
 Delta R.T. -0.05 min
 Lab File: VL036192.D
 Acq: 23 Dec 2020 10:37

Instrument :
 MSVOA_L
 ClientSampleId :
 BFB93

Tot Ion: 97 Resp: 885635
 Ion Ratio Lower Upper
 97 100
 83 91.1 71.4 107.2
 85 57.2 46.6 70.0
 99 56.8 50.7 76.1

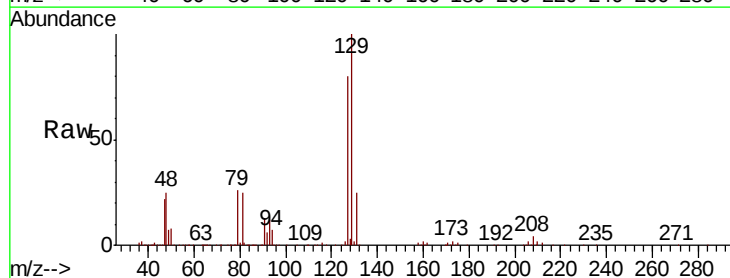


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

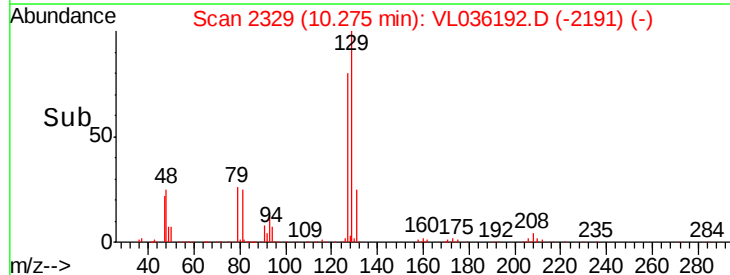
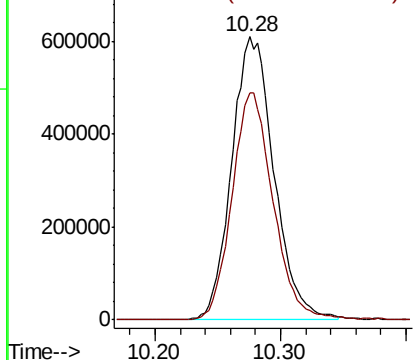


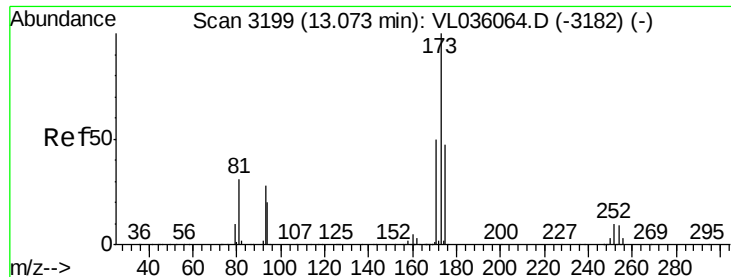
#48
 Dibromochloromethane
 Concen: 11.987 ppbv
 RT: 10.28 min Scan# 2329
 Delta R.T. -0.05 min
 Lab File: VL036192.D
 Acq: 23 Dec 2020 10:37

Tgt Ion: 129 Resp: 1422697
 Ion Ratio Lower Upper
 129 100
 127 78.6 39.0 117.0



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





#49

Bromoform

Concen: 12.340 ppbv

RT: 13.01 min Scan# 3181

Delta R.T. -0.06 min

Lab File: VL036192.D

Acq: 23 Dec 2020 10:37

Instrument :

MSVOA_L

ClientSampleId :

BFB93

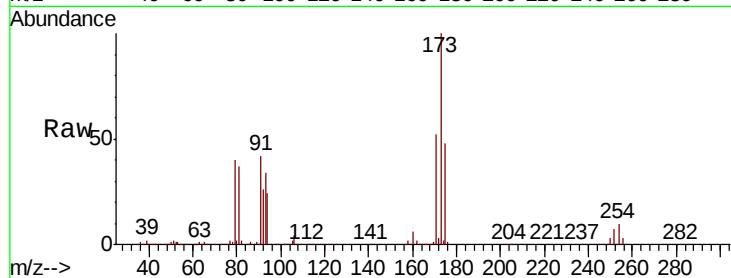
Tot Ion:173 Resp: 1152754

Ion Ratio Lower Upper

173 100

175 50.2 39.8 59.6

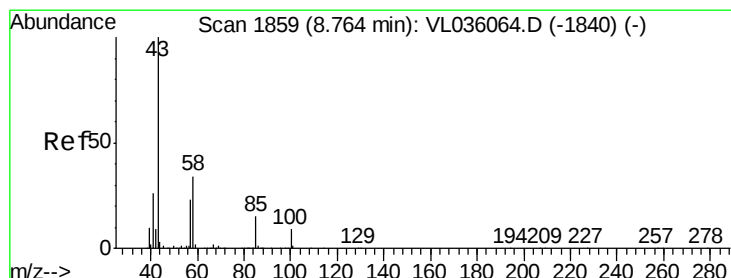
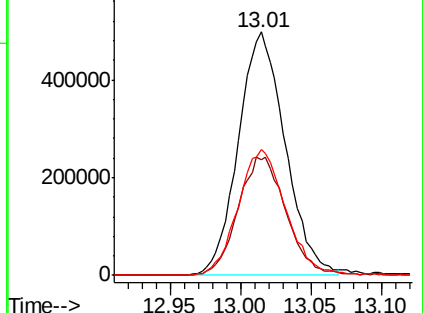
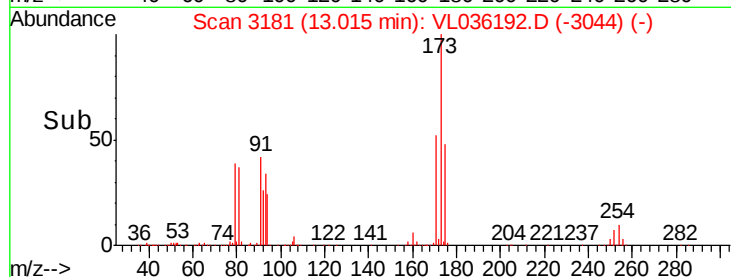
171 53.2 42.5 63.7



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: 11.816 ppbv

RT: 8.71 min Scan# 1843

Delta R.T. -0.05 min

Lab File: VL036192.D

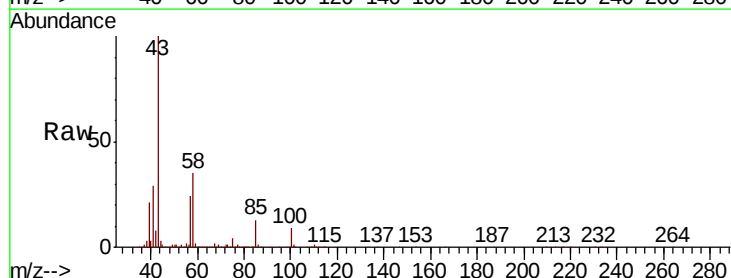
Acq: 23 Dec 2020 10:37

Tgt Ion: 43 Resp: 2853261

Ion Ratio Lower Upper

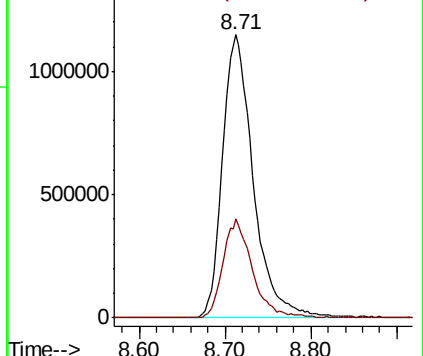
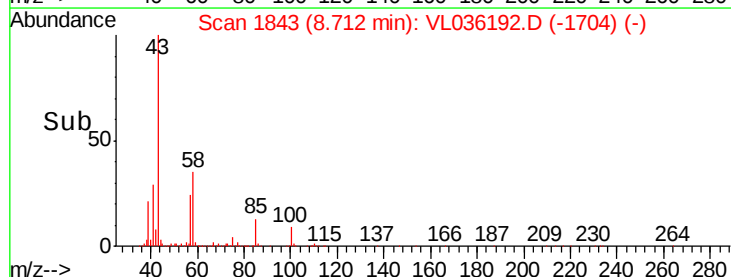
43 100

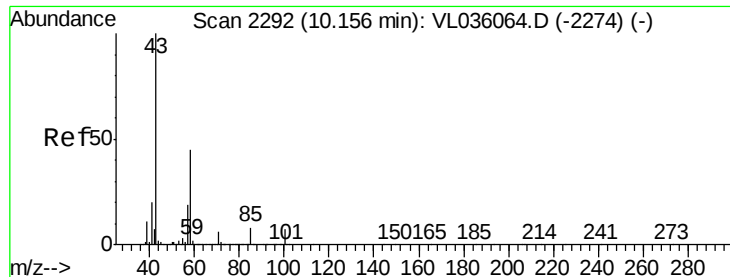
58 33.6 27.4 41.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

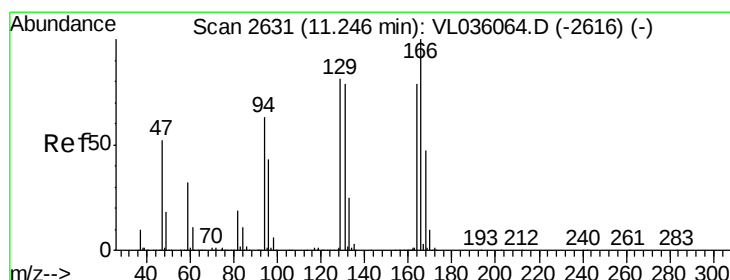
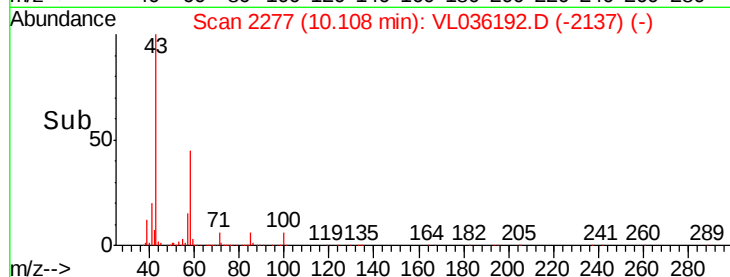
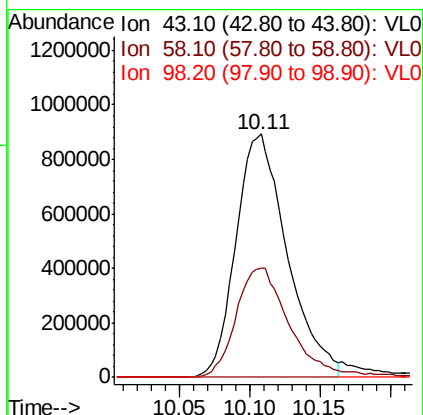
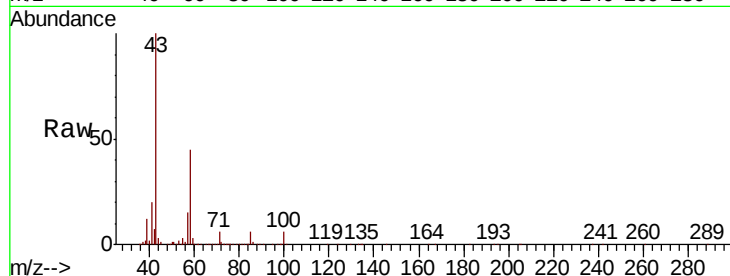




#51
2-Hexanone
Concen: 12.046 ppbv
RT: 10.11 min Scan# 2277
Delta R.T. -0.05 min
Lab File: VL036192.D
Acq: 23 Dec 2020 10:37

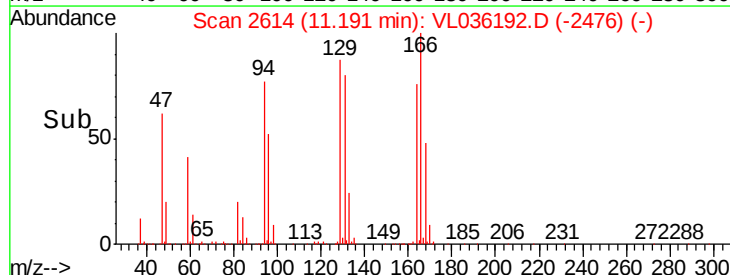
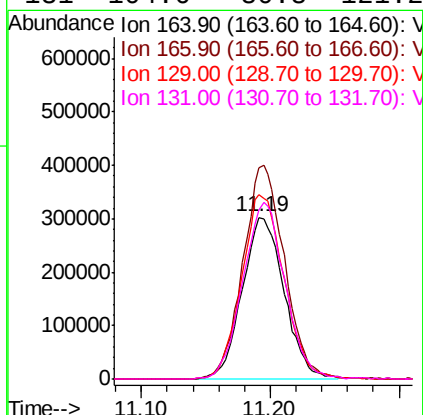
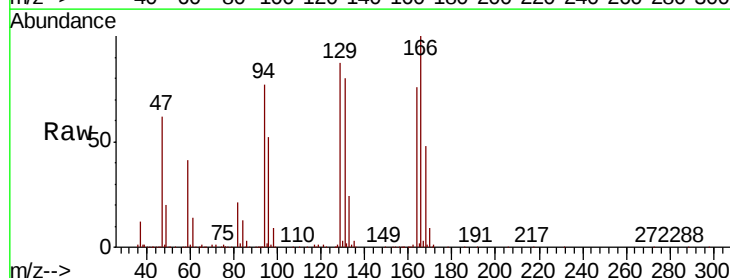
Instrument :
MSVOA_L
ClientSampleId :
BFB93

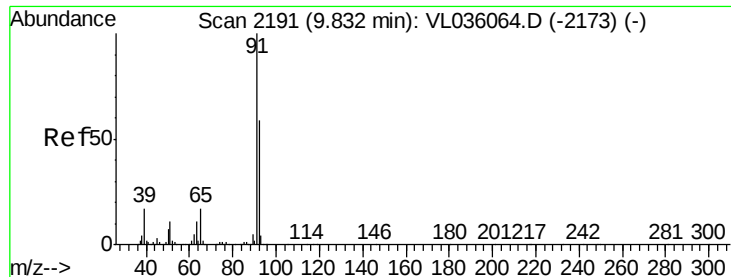
Tot Ion: 43 Resp: 2273558
Ion Ratio Lower Upper
43 100
58 47.7 38.7 58.1
98 0.2 0.1 0.1#



#52
Tetrachloroethene
Concen: 9.127 ppbv
RT: 11.19 min Scan# 2614
Delta R.T. -0.05 min
Lab File: VL036192.D
Acq: 23 Dec 2020 10:37

Tgt Ion: 164 Resp: 683443
Ion Ratio Lower Upper
164 100
166 130.9 101.9 152.9
129 114.1 82.1 123.1
131 104.6 80.8 121.2





#53

Toluene

Concen: 11.063 ppbv

RT: 9.78 min Scan# 2175

Delta R.T. -0.05 min

Lab File: VL036192.D

Acq: 23 Dec 2020 10:37

Instrument :

MSVOA_L

ClientSampleId :

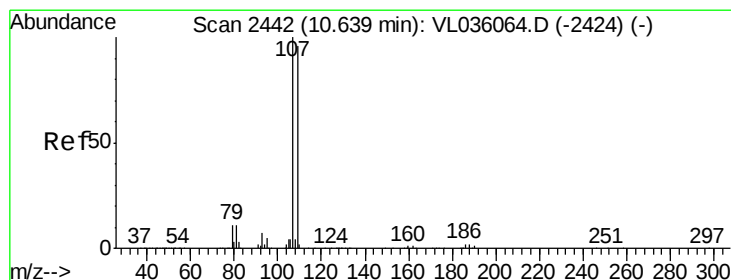
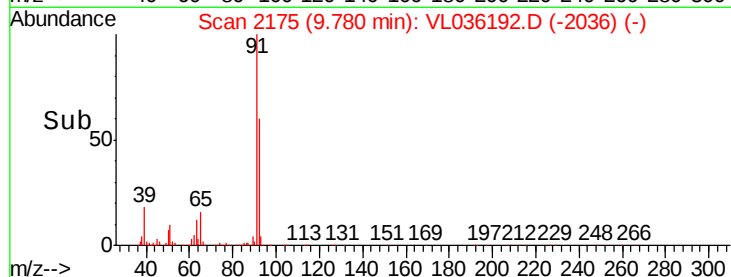
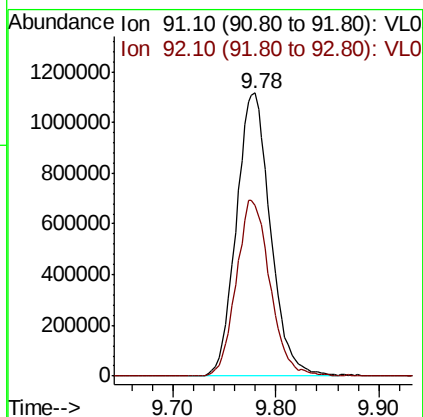
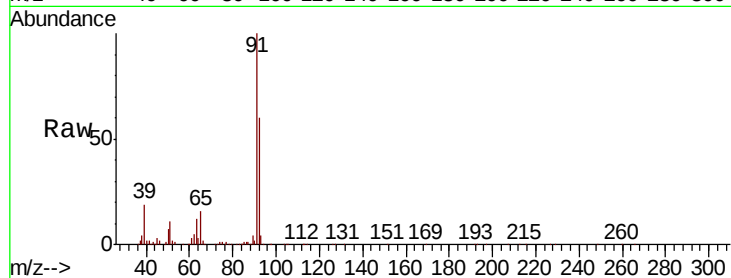
BFB93

Tot Ion: 91 Resp: 2569802

Ion Ratio Lower Upper

91 100

92 61.7 48.2 72.2



#54

1,2-Dibromoethane

Concen: 11.258 ppbv

RT: 10.58 min Scan# 2425

Delta R.T. -0.05 min

Lab File: VL036192.D

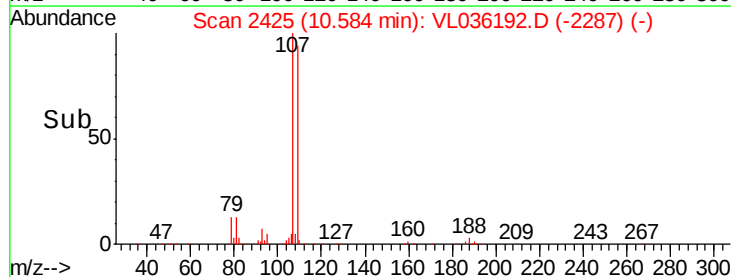
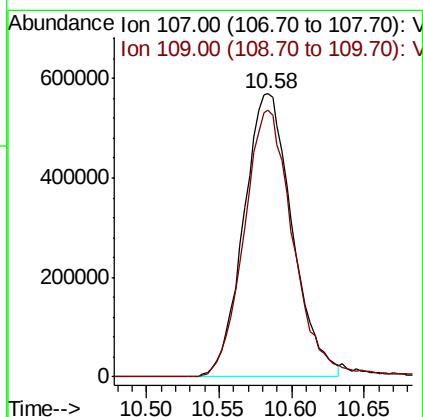
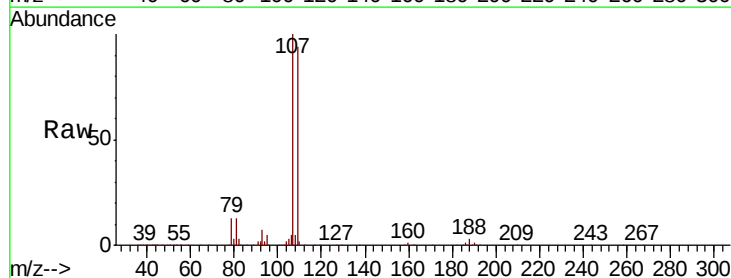
Acq: 23 Dec 2020 10:37

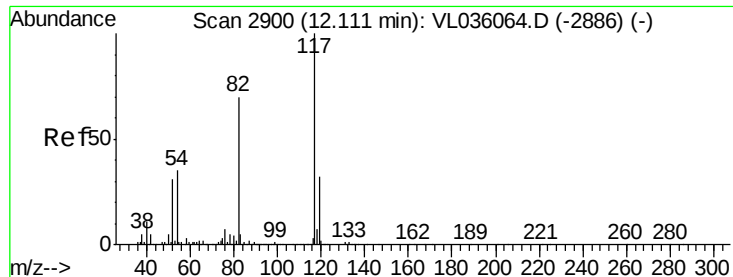
Tgt Ion: 107 Resp: 1326289

Ion Ratio Lower Upper

107 100

109 94.0 76.6 115.0

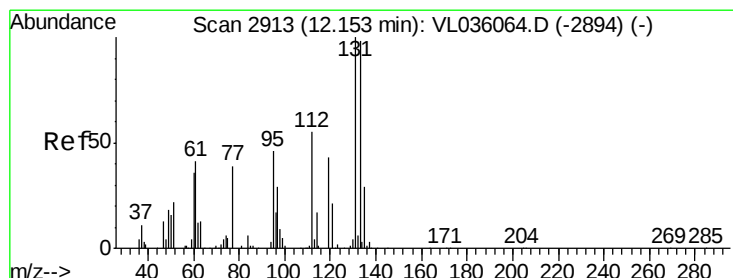
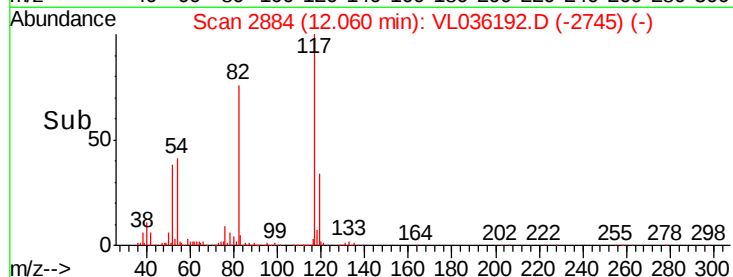
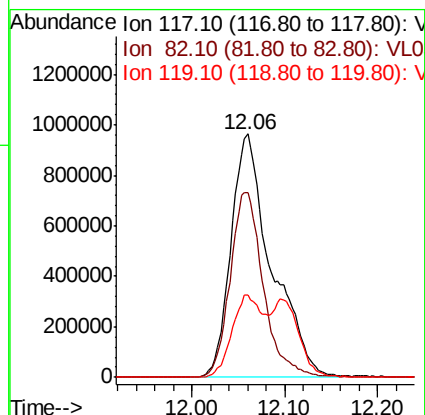
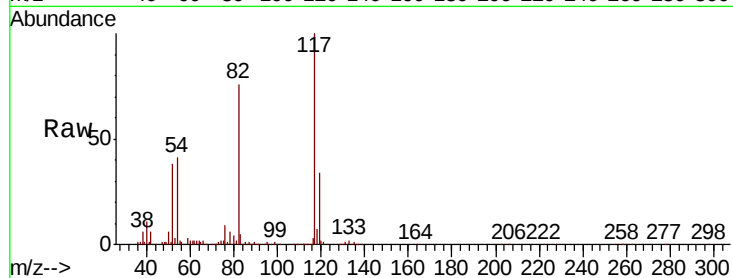




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2884
Delta R.T. -0.05 min
Lab File: VL036192.D
Acq: 23 Dec 2020 10:37

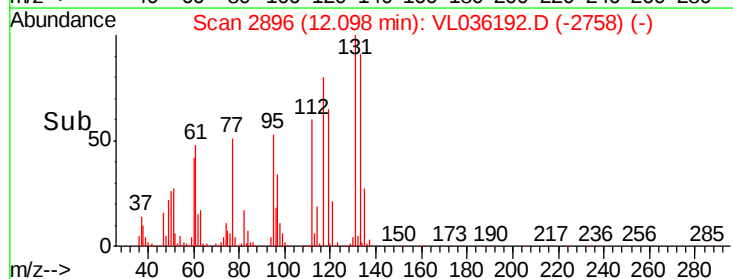
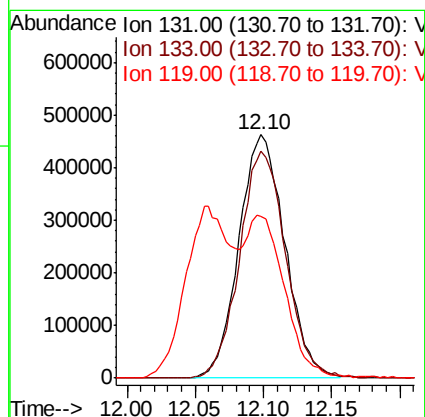
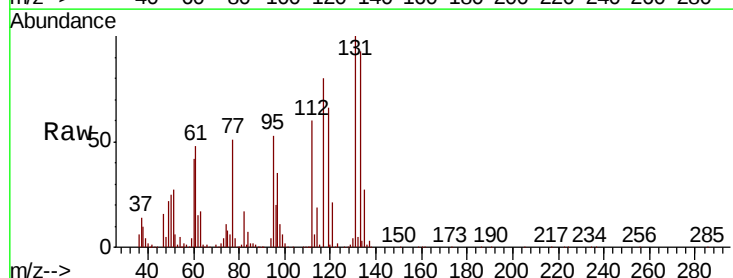
Instrument :
MSVOA_L
ClientSampleId :
BFB93

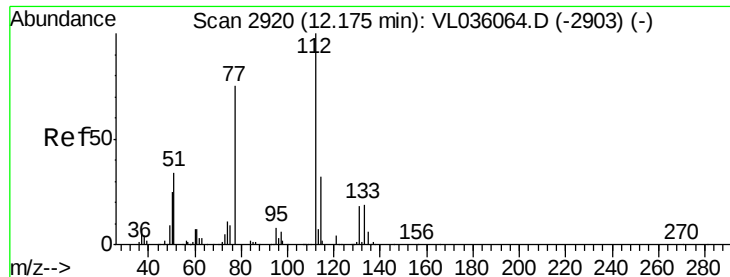
Tot Ion:117 Resp: 2928590
Ion Ratio Lower Upper
117 100
82 62.4 0.0 0.0#
119 26.5 0.0 0.0#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.872 ppbv
RT: 12.10 min Scan# 2896
Delta R.T. -0.05 min
Lab File: VL036192.D
Acq: 23 Dec 2020 10:37

Tgt Ion:131 Resp: 1077374
Ion Ratio Lower Upper
131 100
133 94.1 77.7 116.5
119 67.0 51.6 77.4

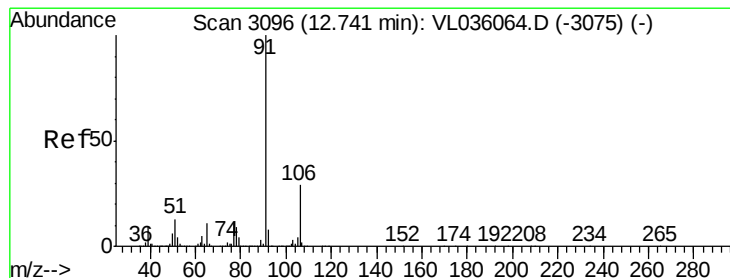
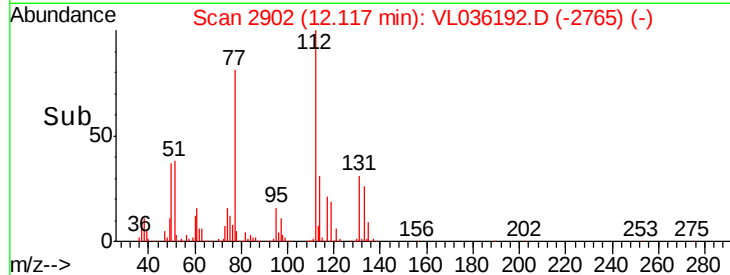
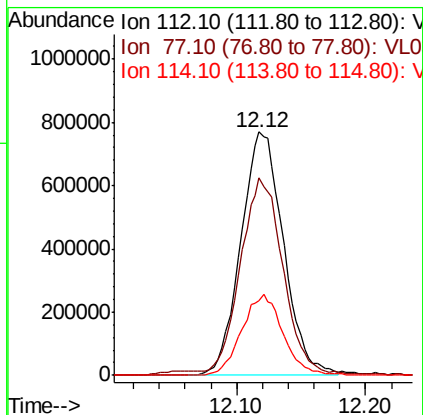
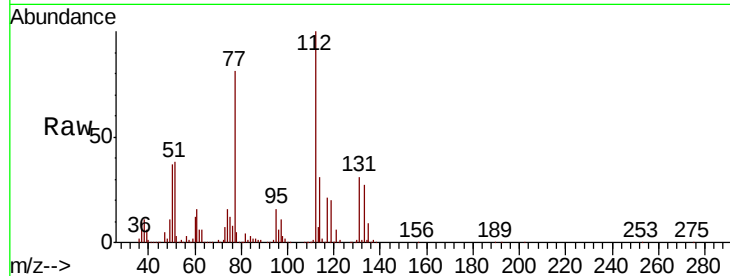




#57
Chlorobenzene
Concen: 8.575 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. -0.06 min
Lab File: VL036192.D
Acq: 23 Dec 2020 10:37

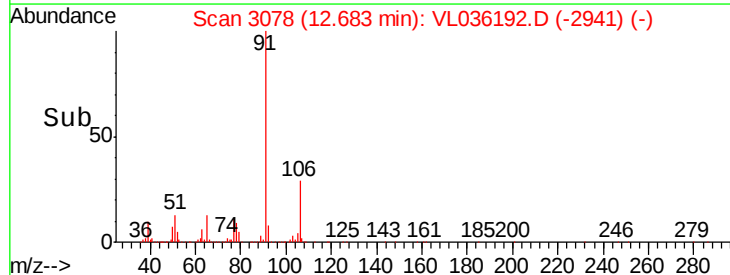
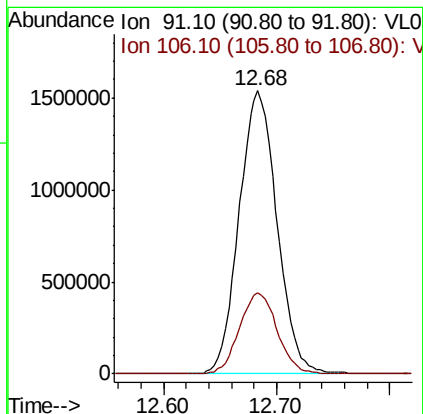
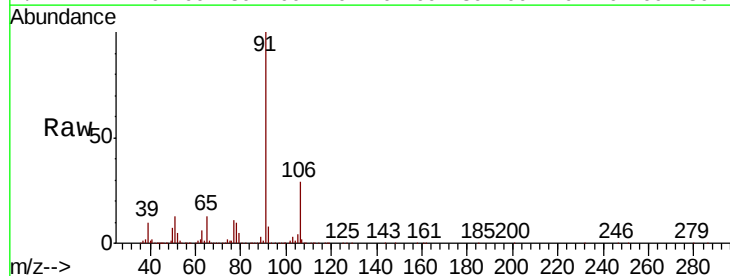
Instrument :
MSVOA_L
ClientSampled :
BFB93

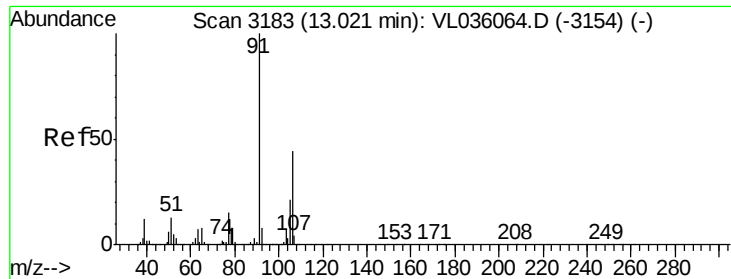
Tot Ion:112 Resp: 1762973
Ion Ratio Lower Upper
112 100
77 80.0 60.5 90.7
114 30.6 29.2 35.6



#58
Ethyl Benzene
Concen: 8.909 ppbv
RT: 12.68 min Scan# 3078
Delta R.T. -0.06 min
Lab File: VL036192.D
Acq: 23 Dec 2020 10:37

Tgt Ion: 91 Resp: 3575458
Ion Ratio Lower Upper
91 100
106 28.7 23.0 34.4





#59

m/p-Xylene

Concen: 9.177 ppbv

RT: 12.97 min Scan# 3166

Delta R.T. -0.05 min

Lab File: VL036192.D

Acq: 23 Dec 2020 10:37

Instrument :

MSVOA_L

ClientSampleId :

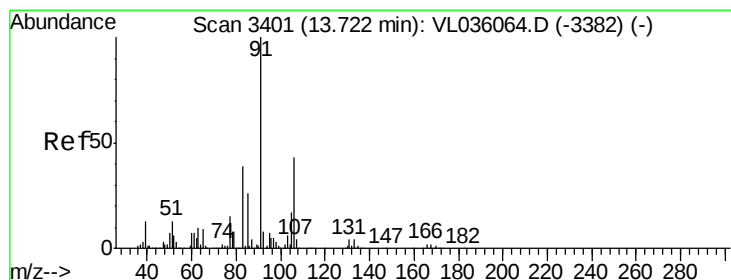
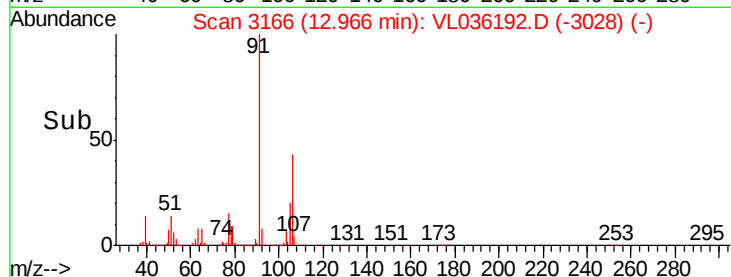
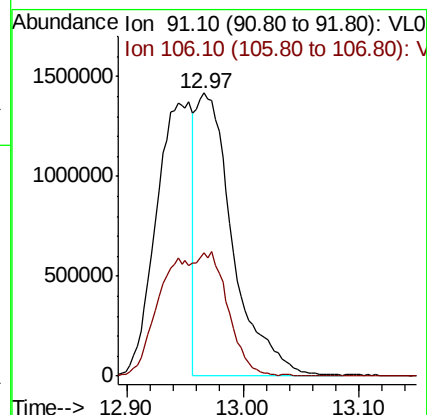
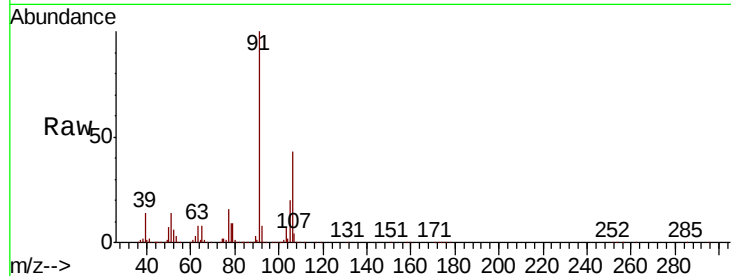
BFB93

Tot Ion: 91 Resp: 3102258

Ion Ratio Lower Upper

91 100

106 78.9 33.6 50.4#



#60

o-Xylene

Concen: 9.034 ppbv

RT: 13.66 min Scan# 3383

Delta R.T. -0.06 min

Lab File: VL036192.D

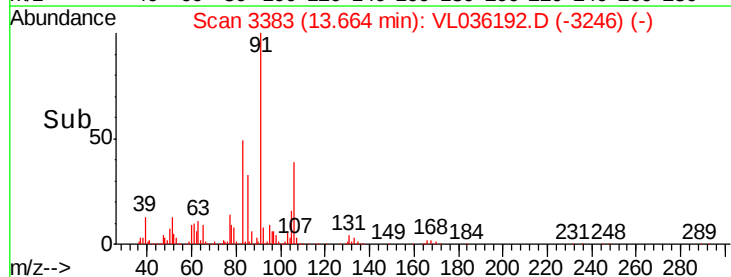
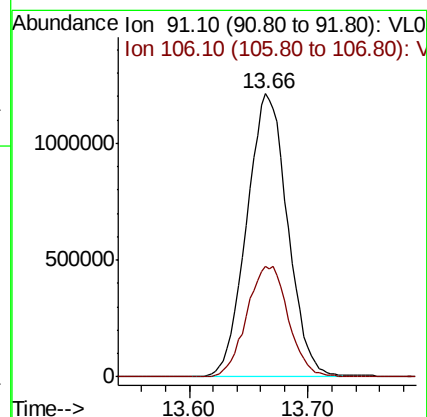
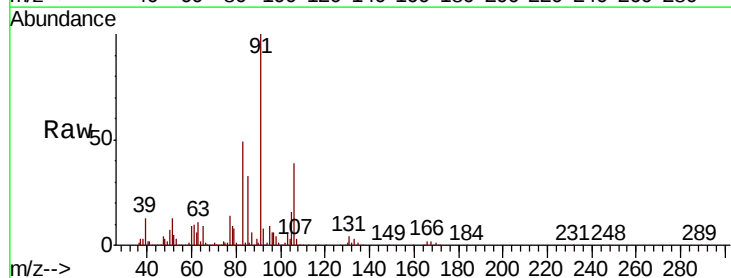
Acq: 23 Dec 2020 10:37

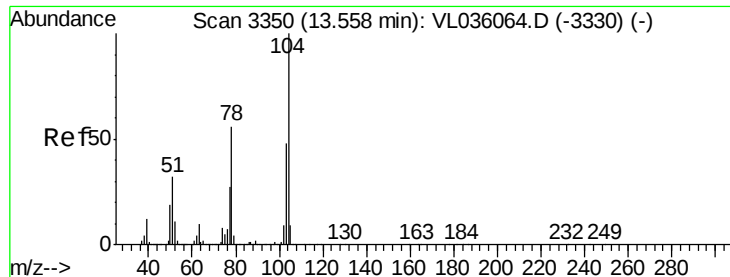
Tgt Ion: 91 Resp: 2877311

Ion Ratio Lower Upper

91 100

106 40.0 21.6 64.6





#61

Stvrene

Concen: 9.356 ppbv

RT: 13.50 min Scan# 3333

Delta R.T. -0.05 min

Lab File: VL036192.D

Acq: 23 Dec 2020 10:37

Instrument :

MSVOA_L

ClientSampleId :

BFB93

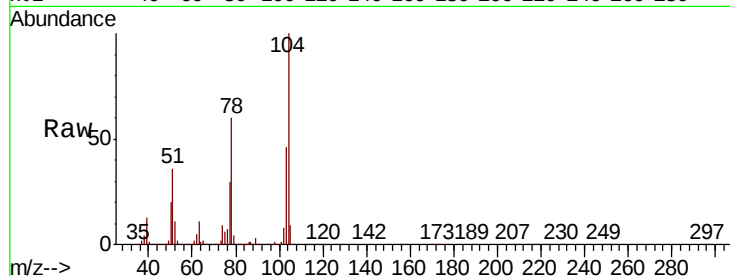
Tot Ion:104 Resp: 1913009

Ion Ratio Lower Upper

104 100

78 62.1 45.8 68.8

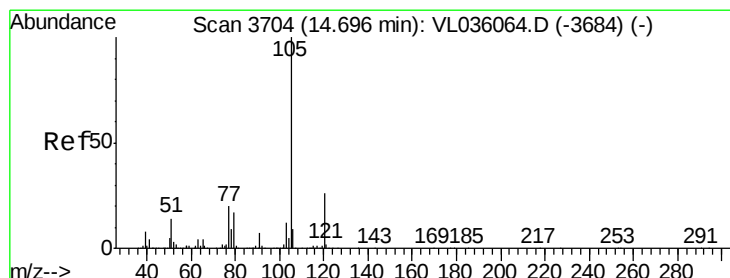
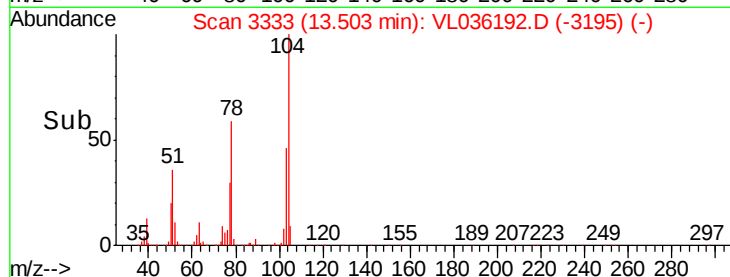
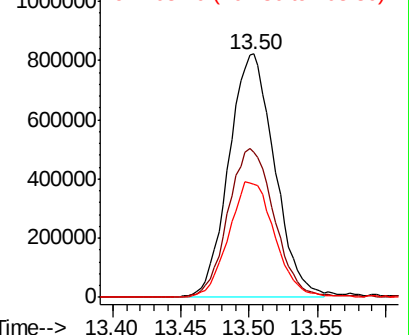
103 48.2 38.6 57.8



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.651 ppbv

RT: 14.64 min Scan# 3688

Delta R.T. -0.05 min

Lab File: VL036192.D

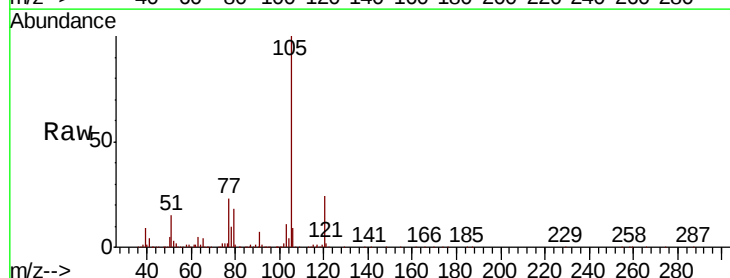
Acq: 23 Dec 2020 10:37

Tgt Ion:105 Resp: 4083951

Ion Ratio Lower Upper

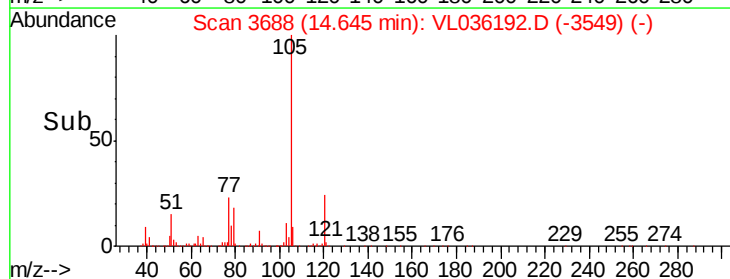
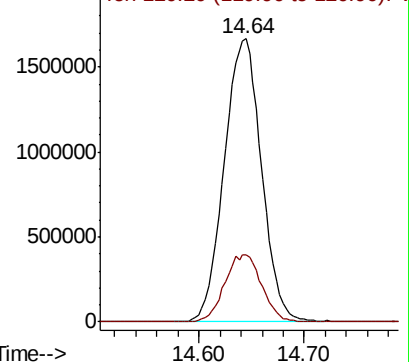
105 100

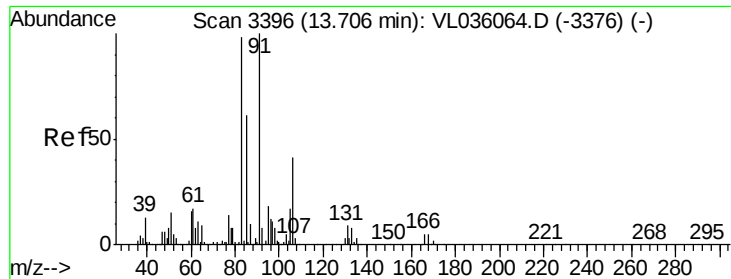
120 23.7 20.1 30.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

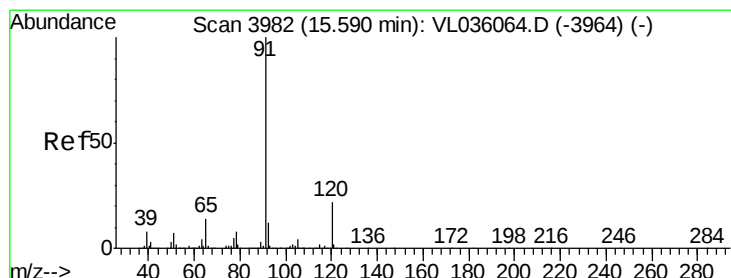
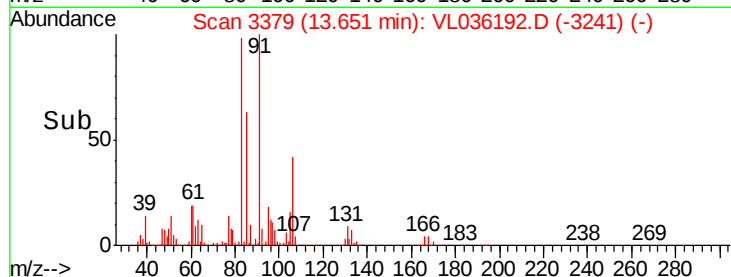
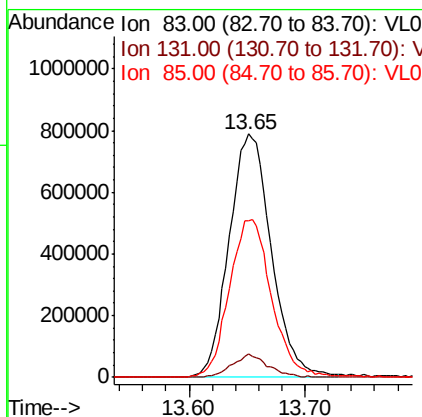
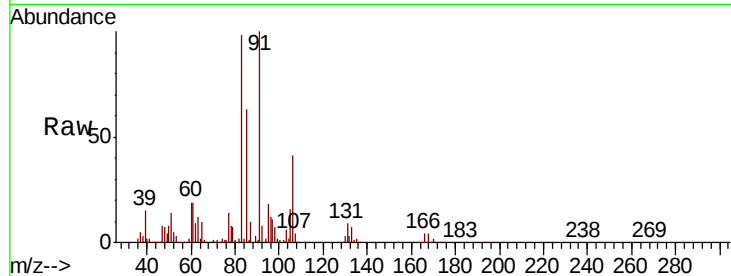




#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.239 ppbv
 RT: 13.65 min Scan# 3379
 Delta R.T. -0.05 min
 Lab File: VL036192.D
 Acq: 23 Dec 2020 10:37

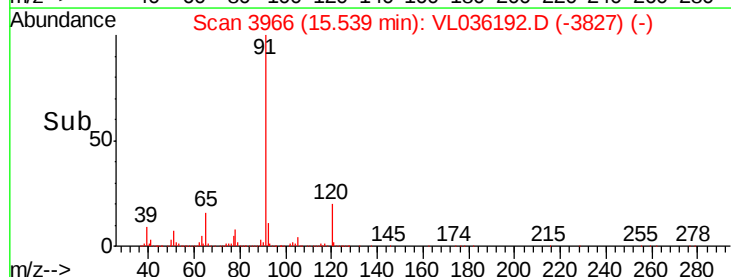
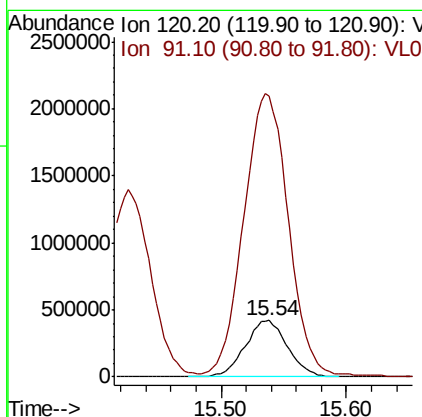
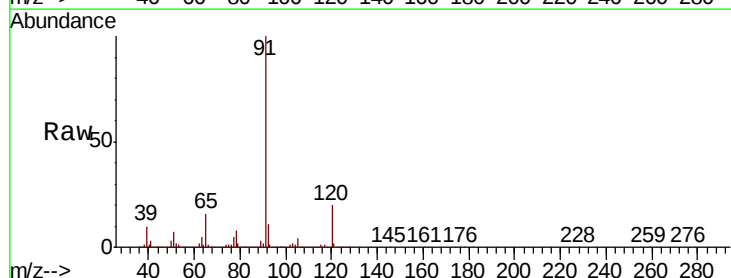
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB93

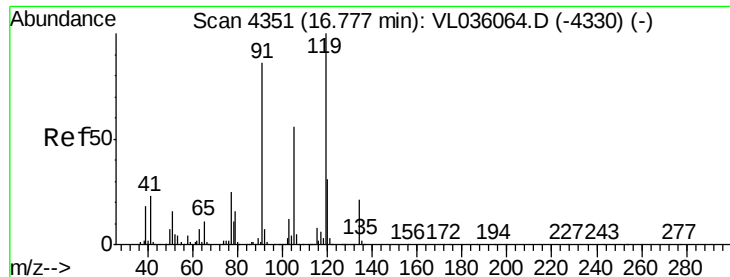
Tot Ion: 83 Resp: 1981676
 Ion Ratio Lower Upper
 83 100
 131 8.3 4.6 13.8
 85 65.8 32.5 97.5



#64
 n-propylbenzene
 Concen: 8.706 ppbv
 RT: 15.54 min Scan# 3966
 Delta R.T. -0.05 min
 Lab File: VL036192.D
 Acq: 23 Dec 2020 10:37

Tgt Ion: 120 Resp: 988773
 Ion Ratio Lower Upper
 120 100
 91 532.9 388.9 583.3





#65

tert-Butylbenzene

Concen: 8.777 ppbv

RT: 16.72 min Scan# 4334

Delta R.T. -0.05 min

Lab File: VL036192.D

Acq: 23 Dec 2020 10:37

Instrument :

MSVOA_L

ClientSampleId :

BFB93

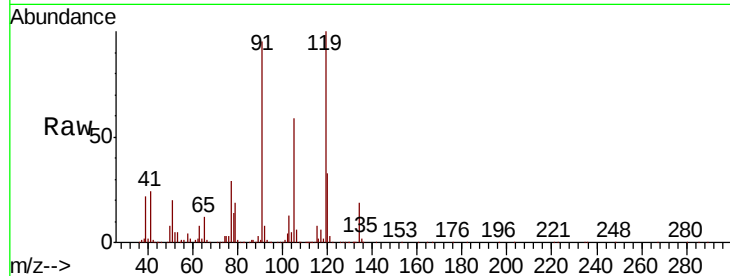
Tot Ion:119 Resp: 3391731

Ion Ratio Lower Upper

119 100

91 96.8 70.2 105.2

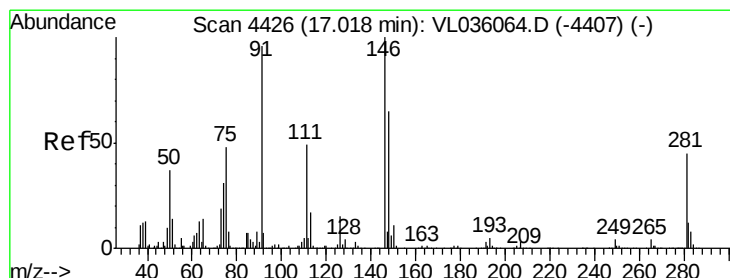
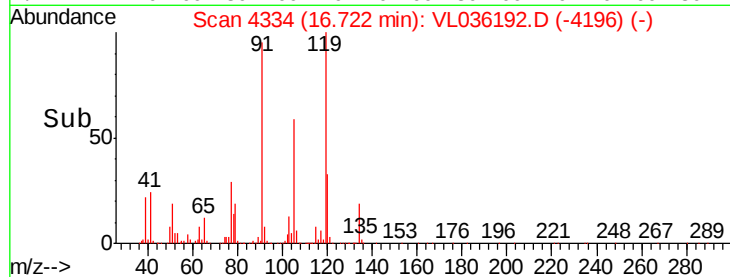
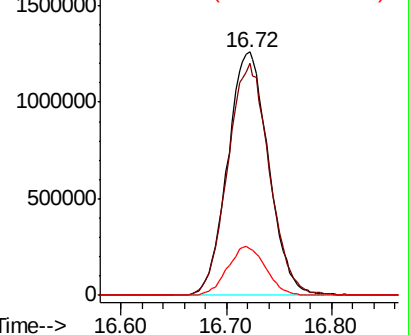
134 18.8 15.8 23.6



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: 12.322 ppbv

RT: 16.97 min Scan# 4410

Delta R.T. -0.05 min

Lab File: VL036192.D

Acq: 23 Dec 2020 10:37

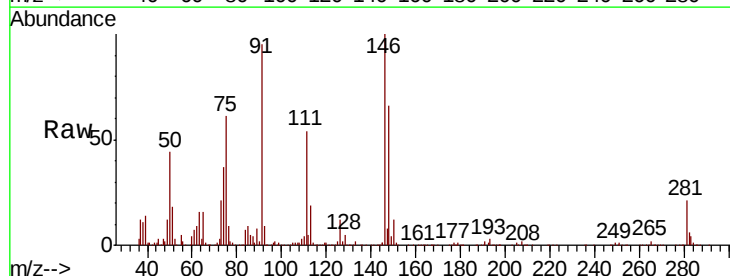
Tgt Ion: 91 Resp: 1185578

Ion Ratio Lower Upper

91 100

126 14.0 13.5 20.3

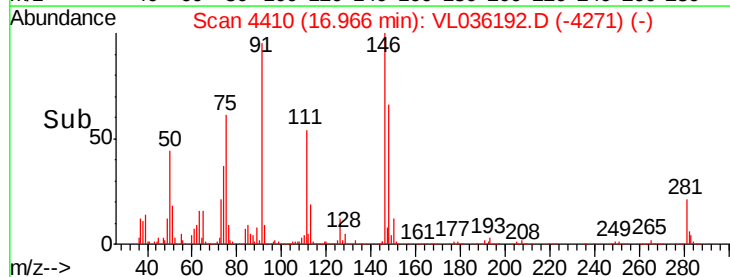
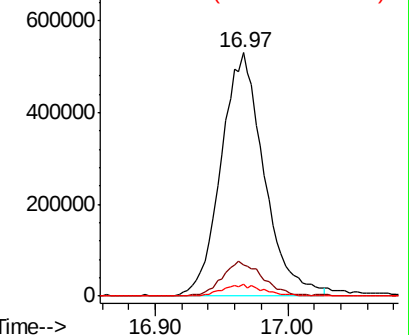
128 4.7 4.4 6.6

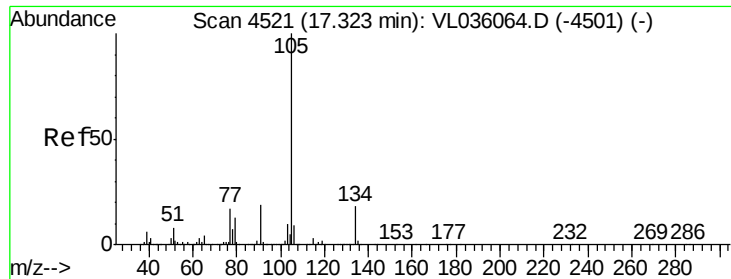


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

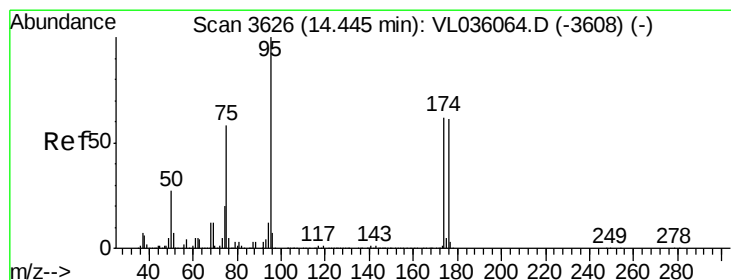
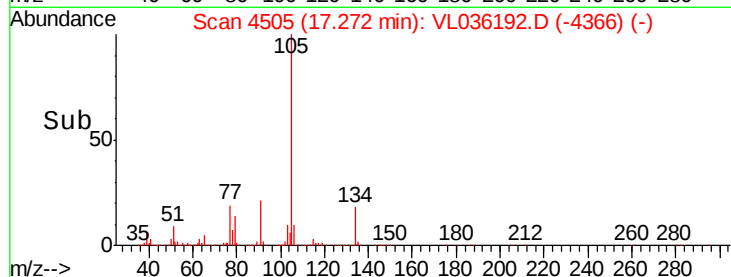
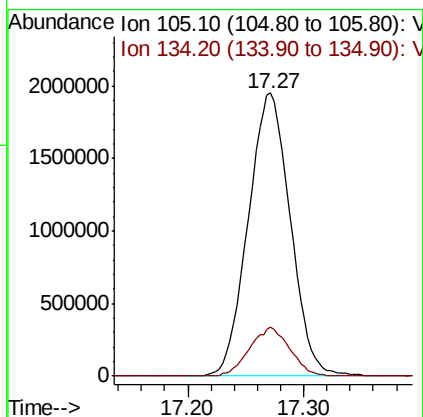
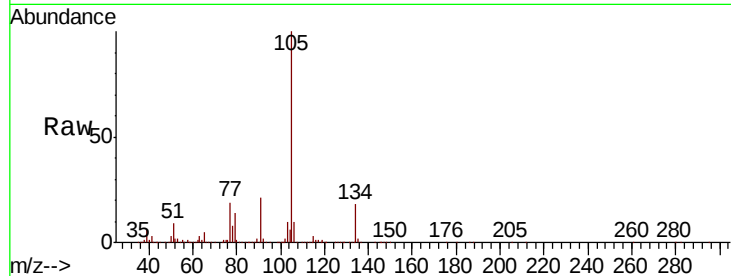




#67
 sec-Butylbenzene
 Concen: 9.075 ppbv
 RT: 17.27 min Scan# 4505
 Delta R.T. -0.05 min
 Lab File: VL036192.D
 Acq: 23 Dec 2020 10:37

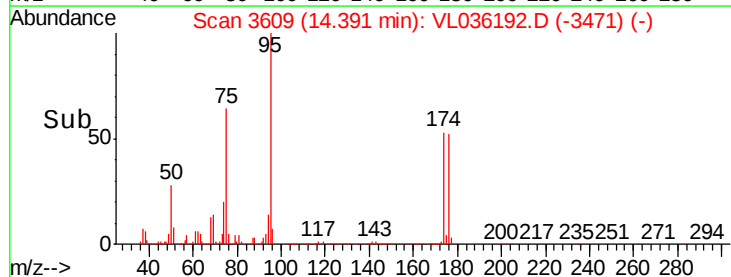
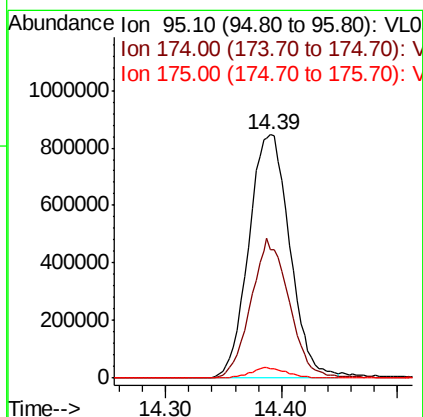
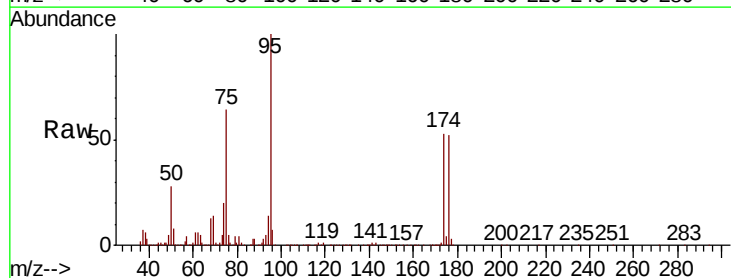
Instrument :
 MSVOA_L
 ClientSampleID :
 BFB93

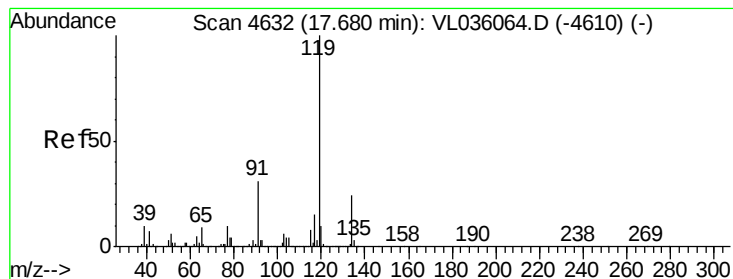
Tot Ion:105 Resp: 4907797
 Ion Ratio Lower Upper
 105 100
 134 16.7 14.2 21.4



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.935 ppbv
 RT: 14.39 min Scan# 3609
 Delta R.T. -0.05 min
 Lab File: VL036192.D
 Acq: 23 Dec 2020 10:37

Tgt Ion: 95 Resp: 2077862
 Ion Ratio Lower Upper
 95 100
 174 54.2 50.7 76.1
 175 3.9 4.0 6.0#





#69

p-Isopropyltoluene

Concen: 9.062 ppbv

RT: 17.63 min Scan# 4616

Delta R.T. -0.05 min

Lab File: VL036192.D

Acq: 23 Dec 2020 10:37

Instrument :

MSVOA_L

ClientSampleId :

BFB93

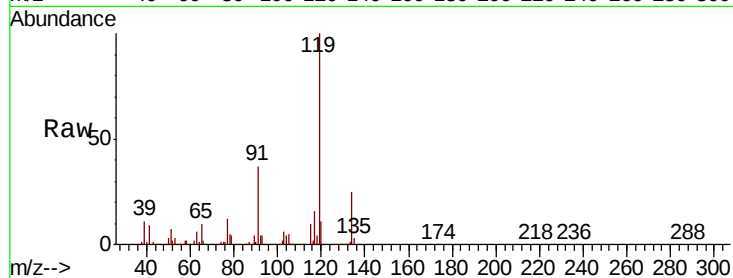
Tot Ion:119 Resp: 3897942

Ion Ratio Lower Upper

119 100

134 24.2 19.8 29.6

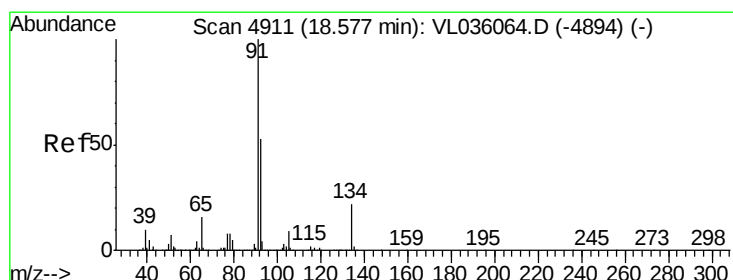
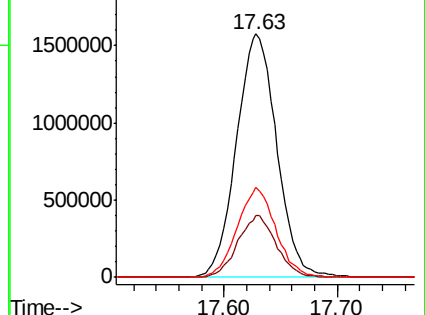
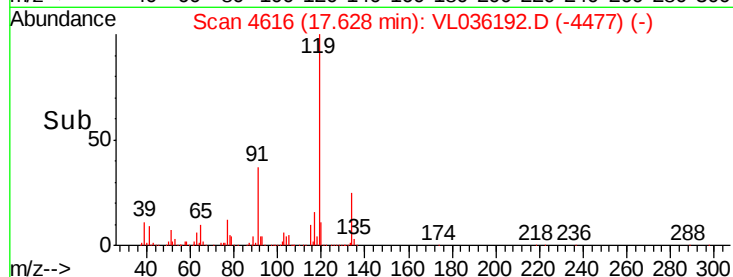
91 35.4 25.8 38.6



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 10.224 ppbv

RT: 18.53 min Scan# 4895

Delta R.T. -0.05 min

Lab File: VL036192.D

Acq: 23 Dec 2020 10:37

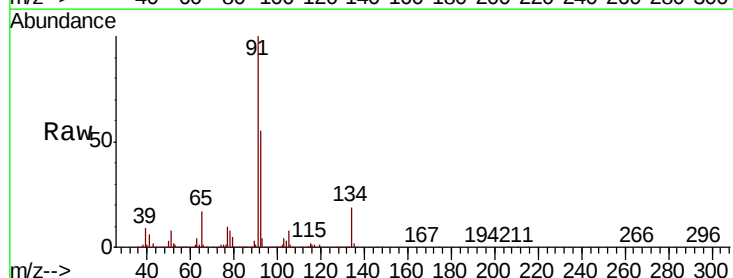
Tgt Ion: 91 Resp: 4346707

Ion Ratio Lower Upper

91 100

92 54.4 43.3 64.9

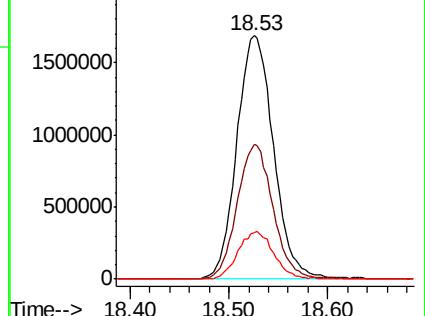
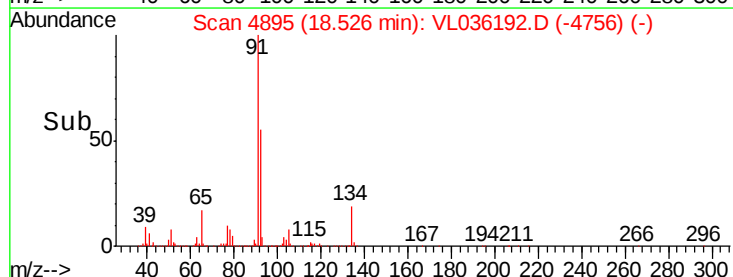
134 19.3 17.1 25.7

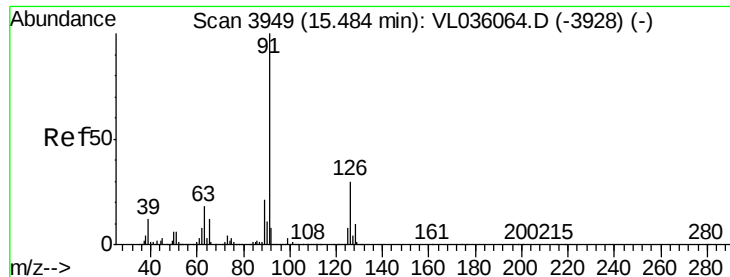


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 9.391 ppbv

RT: 15.43 min Scan# 3931

Delta R.T. -0.06 min

Lab File: VL036192.D

Acq: 23 Dec 2020 10:37

Instrument :

MSVOA_L

ClientSampleId :

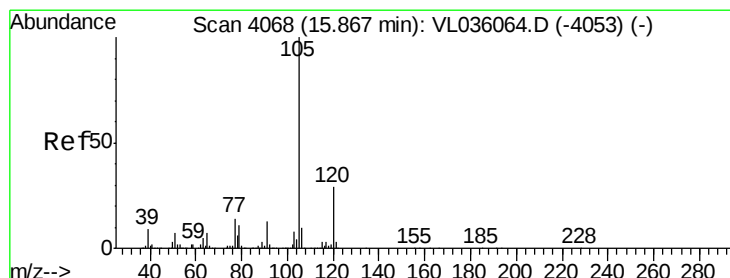
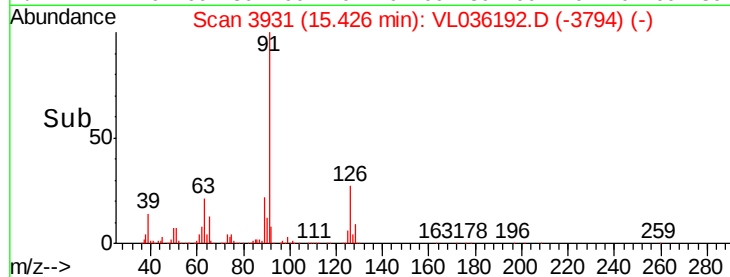
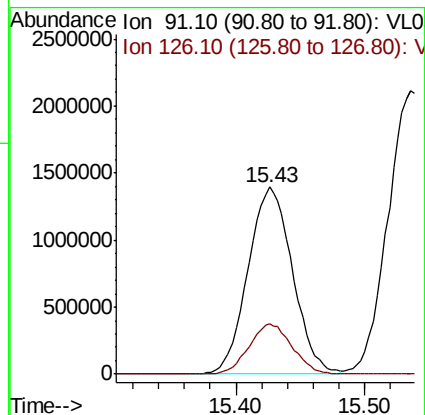
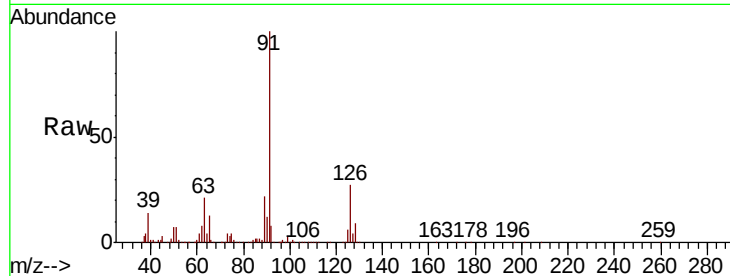
BFB93

Tot Ion: 91 Resp: 3351281

Ion Ratio Lower Upper

91 100

126 26.2 11.6 46.4



#72

4-Ethyltoluene

Concen: 9.266 ppbv

RT: 15.81 min Scan# 4051

Delta R.T. -0.05 min

Lab File: VL036192.D

Acq: 23 Dec 2020 10:37

Tgt Ion:105 Resp: 3196766

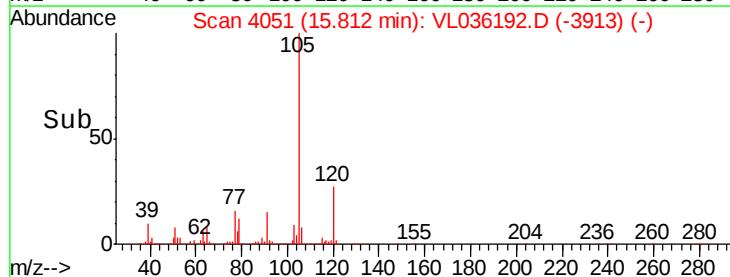
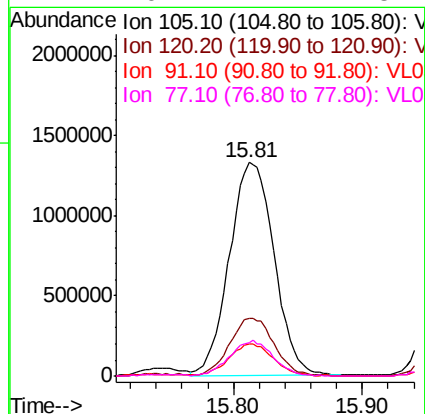
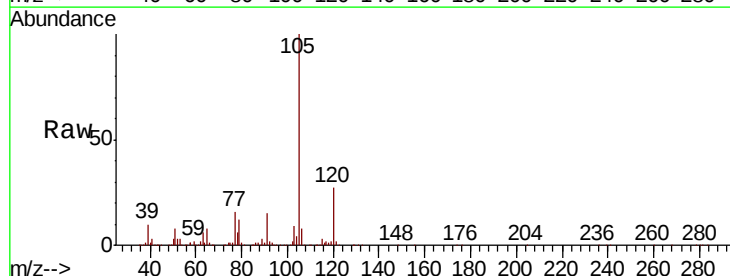
Ion Ratio Lower Upper

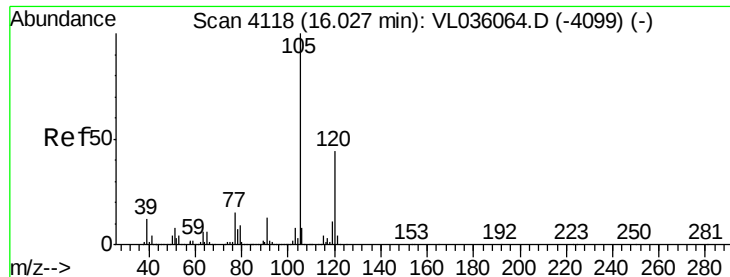
105 100

120 27.1 23.6 35.4

91 14.8 11.4 17.0

77 16.1 12.1 18.1

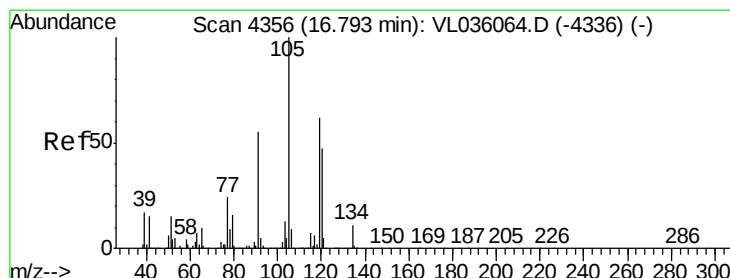
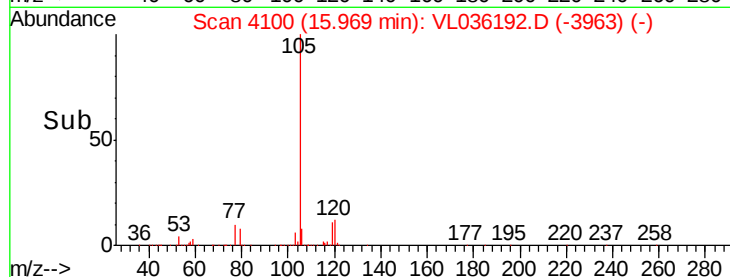
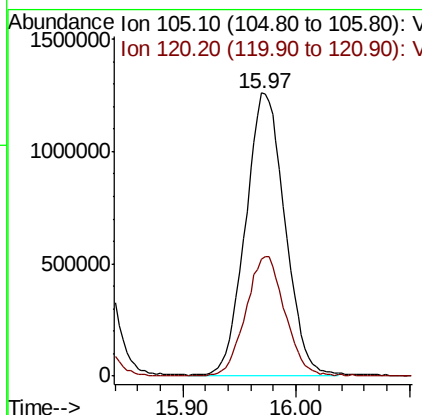
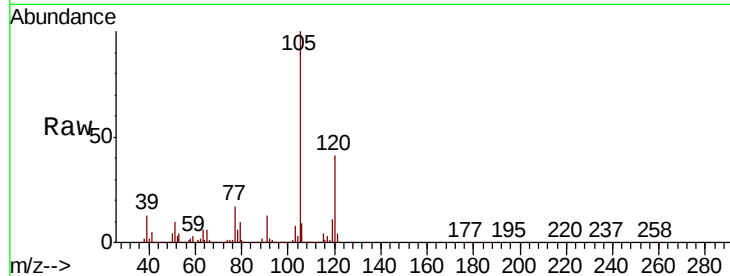




#73
 1,3,5-Trimethylbenzene
 Concen: 9.177 ppbv
 RT: 15.97 min Scan# 4100
 Delta R.T. -0.06 min
 Lab File: VL036192.D
 Acq: 23 Dec 2020 10:37

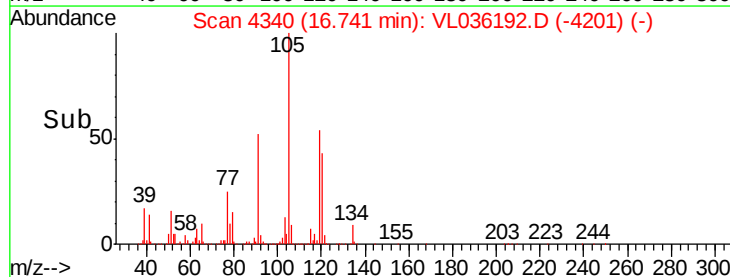
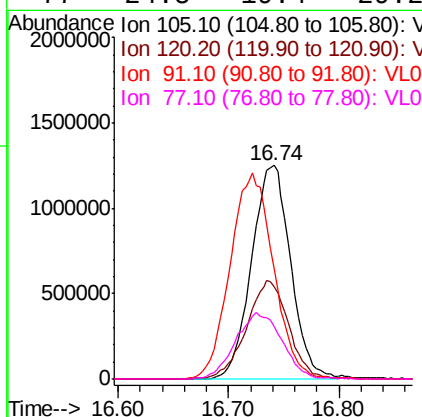
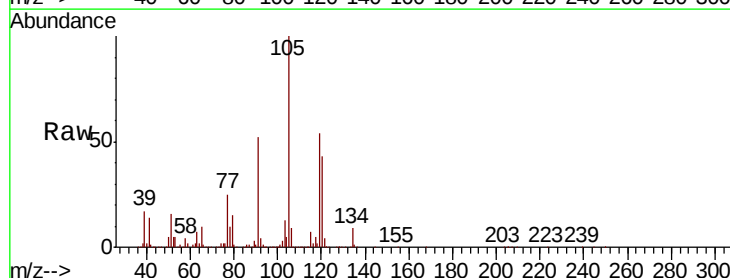
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB93

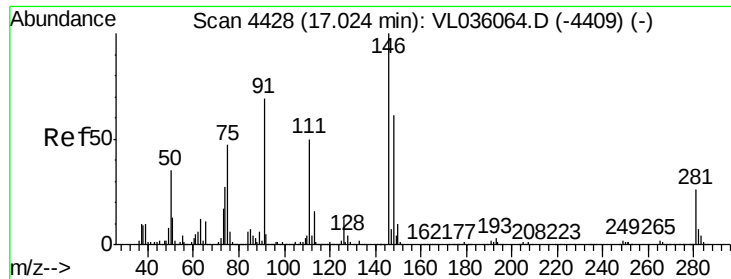
Tot Ion:105 Resp: 3023669
 Ion Ratio Lower Upper
 105 100
 120 41.4 35.4 53.2



#74
 1,2,4-Trimethylbenzene
 Concen: 9.288 ppbv
 RT: 16.74 min Scan# 4340
 Delta R.T. -0.05 min
 Lab File: VL036192.D
 Acq: 23 Dec 2020 10:37

Tgt Ion:105 Resp: 3072083
 Ion Ratio Lower Upper
 105 100
 120 42.9 37.4 56.0
 91 51.4 45.6 68.4
 77 24.5 19.4 29.2





#75

1,3-Dichlorobenzene

Concen: 9.111 ppbv

RT: 16.97 min Scan# 4411

Delta R.T. -0.05 min

Lab File: VL036192.D

Acq: 23 Dec 2020 10:37

Instrument :

MSVOA_L

ClientSampleId :

BFB93

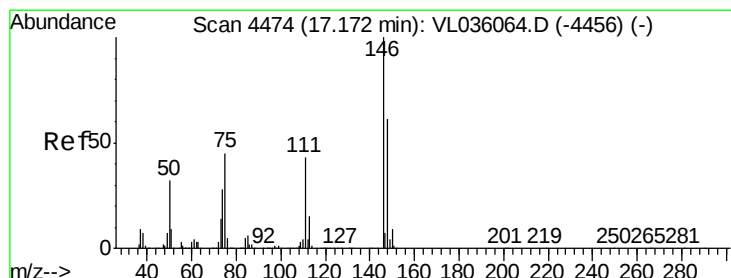
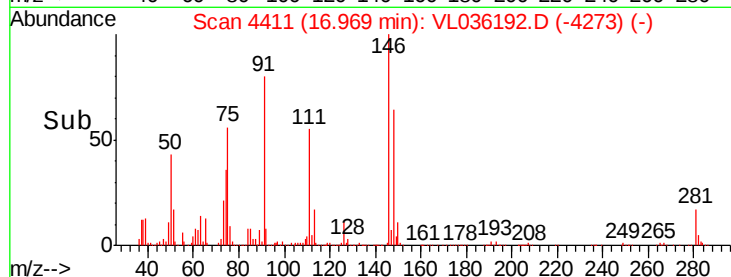
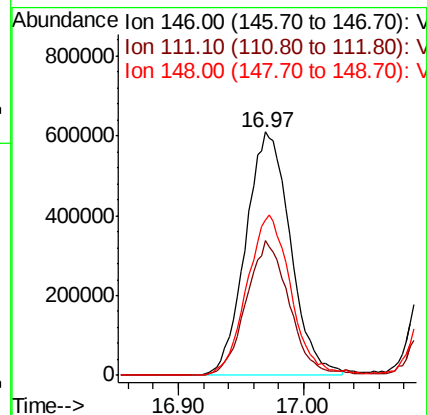
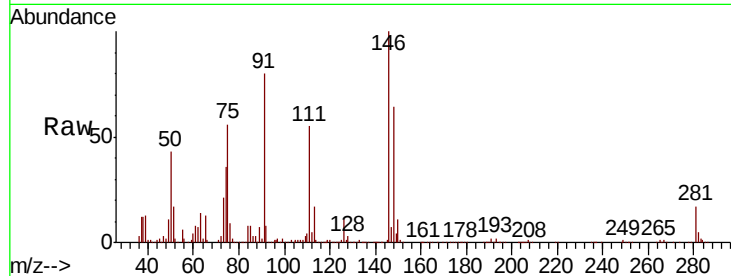
Tot Ion:146 Resp: 1508491

Ion Ratio Lower Upper

146 100

111 53.5 25.1 75.3

148 65.0 32.9 98.6



#76

1,4-Dichlorobenzene

Concen: 8.760 ppbv

RT: 17.11 min Scan# 4456

Delta R.T. -0.06 min

Lab File: VL036192.D

Acq: 23 Dec 2020 10:37

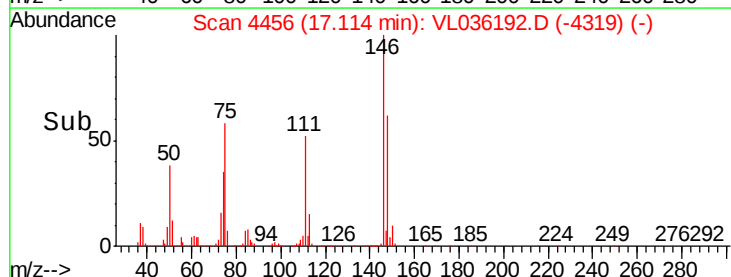
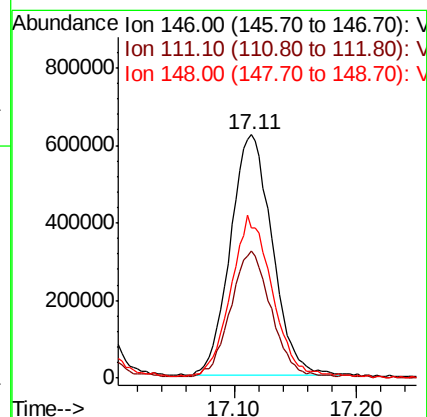
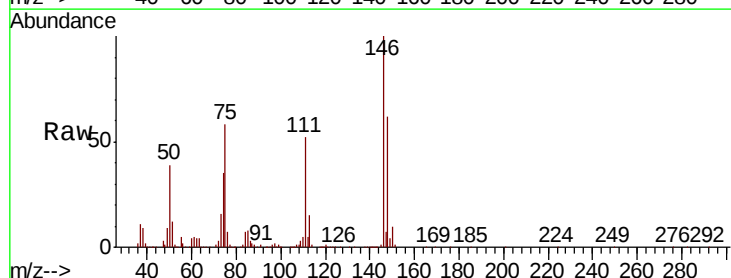
Tgt Ion:146 Resp: 1476613

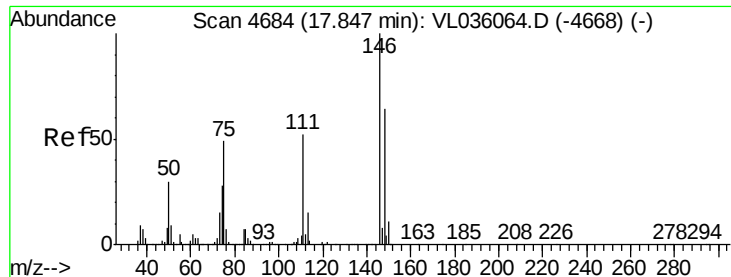
Ion Ratio Lower Upper

146 100

111 52.7 24.3 72.8

148 67.3 32.8 98.3

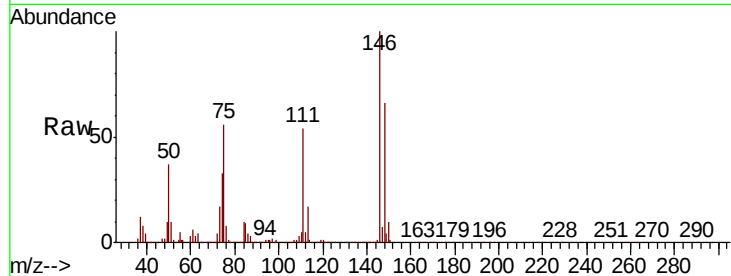




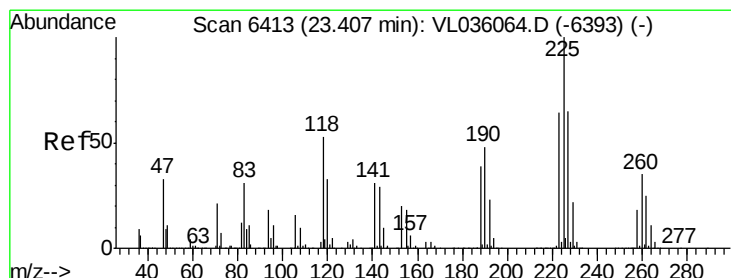
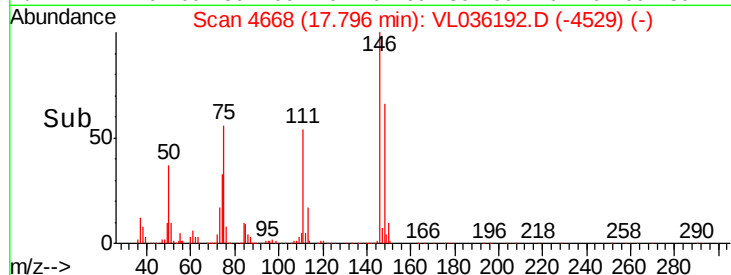
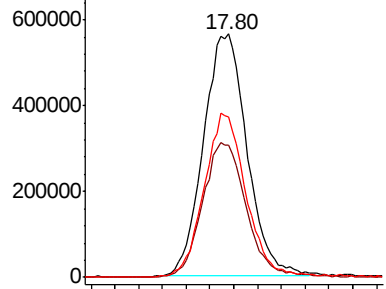
#77
 1,2-Dichlorobenzene
 Concen: 9.064 ppbv
 RT: 17.80 min Scan# 4668
 Delta R.T. -0.05 min
 Lab File: VL036192.D
 Acq: 23 Dec 2020 10:37

Instrument :
 MSVOA_L
 ClientSampleId :
 BFB93

Tot Ion:146 Resp: 1432808
 Ion Ratio Lower Upper
 146 100
 111 55.5 26.1 78.2
 148 65.5 33.1 99.5

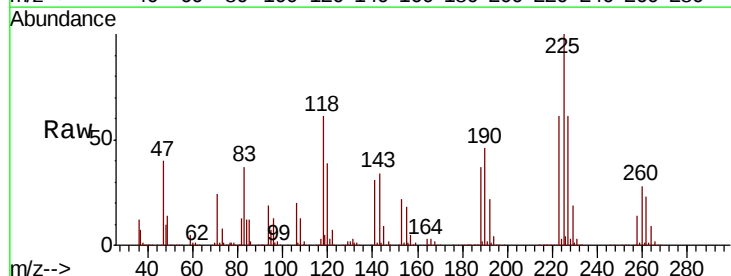


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

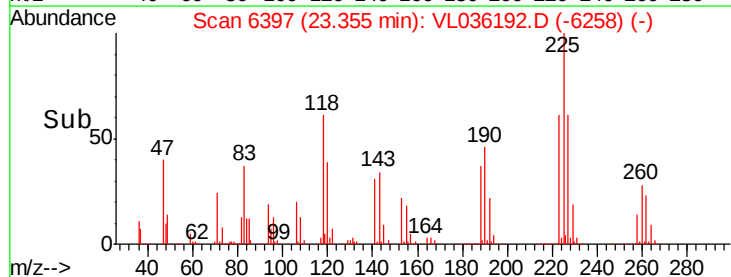
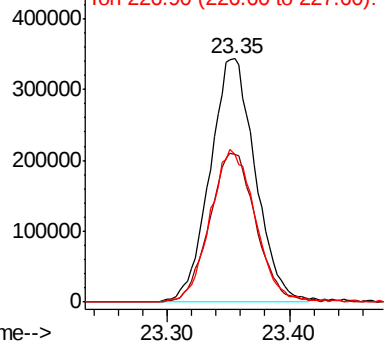


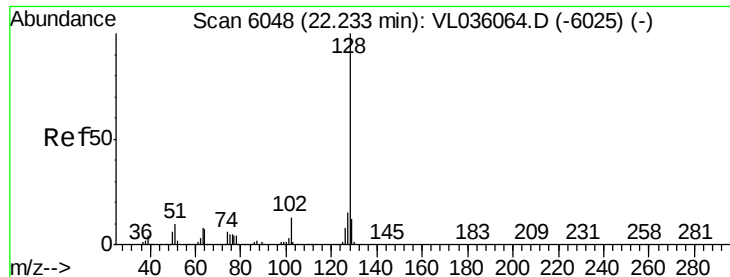
#78
 Hexachloro-1,3-Butadiene
 Concen: 6.936 ppbv
 RT: 23.35 min Scan# 6397
 Delta R.T. -0.05 min
 Lab File: VL036192.D
 Acq: 23 Dec 2020 10:37

Tgt Ion:225 Resp: 878783
 Ion Ratio Lower Upper
 225 100
 223 62.8 51.1 76.7
 227 63.0 51.7 77.5



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: 9.087 ppbv

RT: 22.17 min Scan# 6028

Delta R.T. -0.06 min

Lab File: VL036192.D

Acq: 23 Dec 2020 10:37

Instrument :

MSVOA_L

ClientSampleId :

BFB93

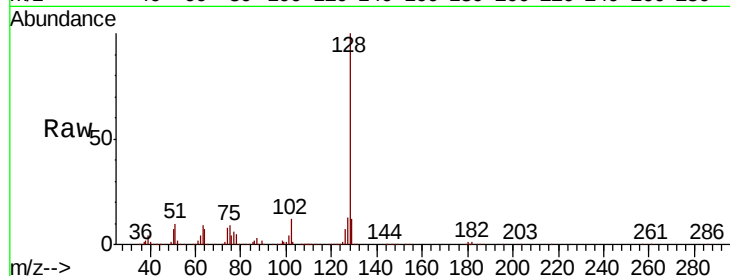
Tot Ion:128 Resp: 1527732

Ion Ratio Lower Upper

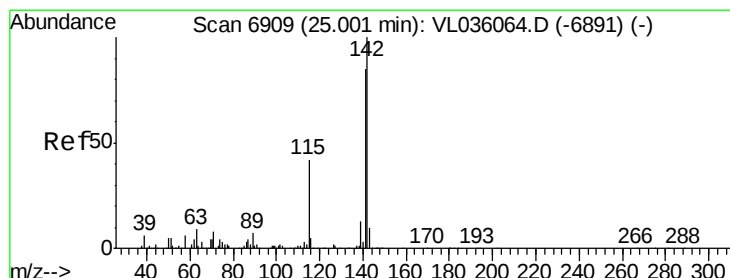
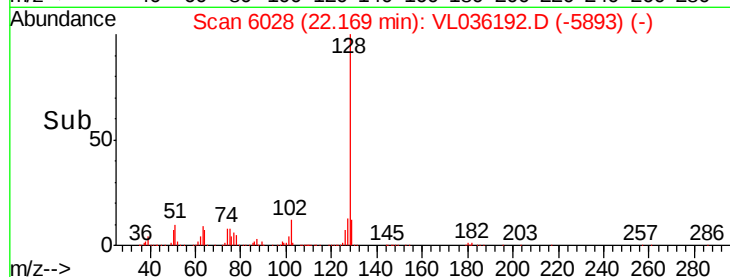
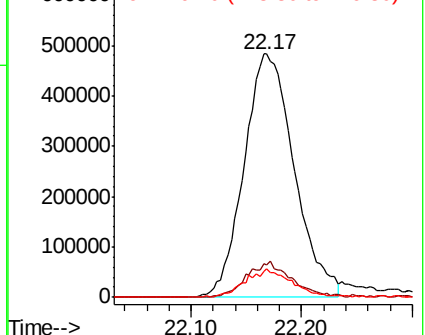
128 100

127 13.3 11.7 17.5

129 11.5 9.3 13.9



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: 15.959 ppbv

RT: 24.96 min Scan# 6896

Delta R.T. -0.04 min

Lab File: VL036192.D

Acq: 23 Dec 2020 10:37

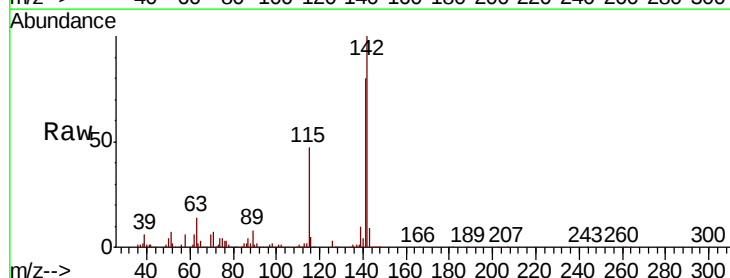
Tgt Ion:142 Resp: 599971

Ion Ratio Lower Upper

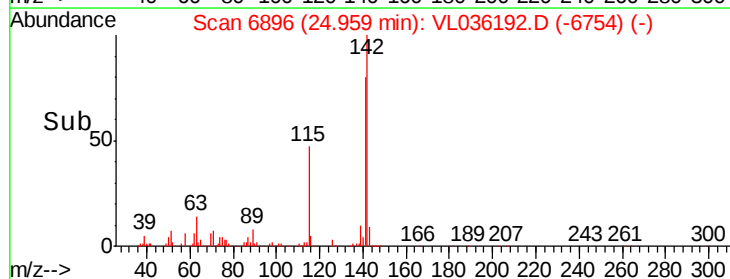
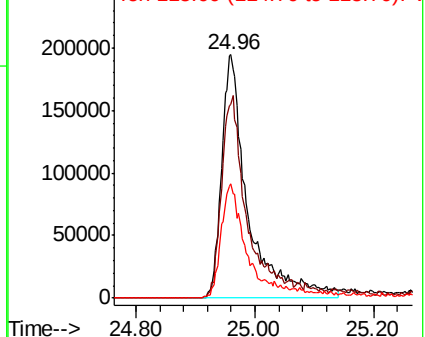
142 100

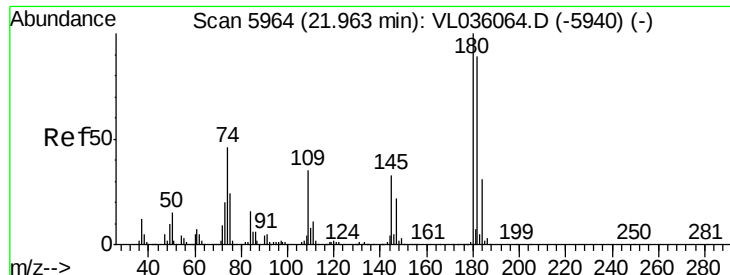
141 87.3 64.3 96.5

115 47.1 33.9 50.9



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: 7.823 ppbv

RT: 21.90 min Scan# 5945

Delta R.T. -0.06 min

Lab File: VL036192.D

Acq: 23 Dec 2020 10:37

Instrument :

MSVOA_L

ClientSampleId :

BFB93

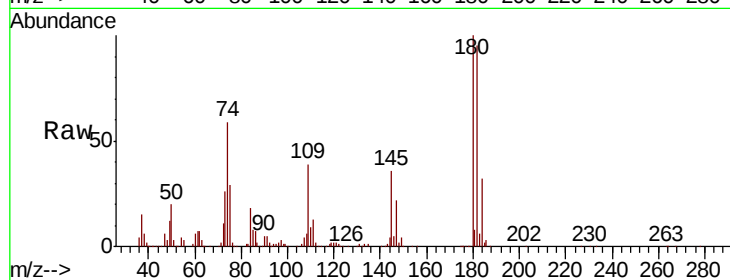
Tot Ion:180 Resp: 878789

Ion Ratio Lower Upper

180 100

182 102.0 0.0 0.0#

184 30.7 0.0 0.0#



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

