

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081220\
 Data File : VL035392.D
 Acq On : 12 Aug 2020 22:55
 Operator : SY/AP
 Sample : VL0812ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0812ABS01

Quant Time: Aug 13 04:31:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081220AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 12 20:32:44 2020
 QLast Update : Wed Aug 12 20:32:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1395797	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3324418	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4034031	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2709614	8.32	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.04	85	1547309	9.205	ppbv 98
3) Chlorodifluoromethane	2.98	51	1486116	9.158	ppbv 97
4) Chloromethane	3.13	50	817172	9.011	ppbv 100
5) Vinyl Chloride	3.25	62	792411	8.840	ppbv 100
6) Bromomethane	3.47	94	464692	9.349	ppbv 94
7) Chloroethane	3.55	64	284710	9.005	ppbv 91
8) Dichlorotetrafluoroethane	3.18	85	1736849	8.901	ppbv 98
9) Propene	3.00	41	715553	8.512	ppbv 100
10) Heptane	8.13	43	1881213	8.639	ppbv 100
11) Trichlorofluoromethane	3.95	101	1861629	9.132	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1242598	8.957	ppbv 97
13) Ethanol	3.60	45	180256	6.539	ppbv 98
14) Bromoethene	3.74	108	570180	9.199	ppbv 98
15) Acetone	3.85	43	1402545	7.978	ppbv 99
16) 1,3-Butadiene	3.32	39	749299	8.301	ppbv 99
17) tert-Butyl alcohol	4.29	59	1811103	8.832	ppbv 100
18) 1,1-Dichloroethene	4.29	96	583939	9.188	ppbv 98
19) Isopropyl Alcohol	3.97	45	1195880	8.717	ppbv 100
20) Methylene Chloride	4.34	84	510692	7.693	ppbv 97
21) Allyl Chloride	4.41	41	1015663	8.799	ppbv 97
22) trans-1,2-Dichloroethene	4.89	96	594386	9.310	ppbv 94
23) Vinyl Acetate	5.08	43	2423550	8.635	ppbv 100
24) 1,1-Dichloroethane	5.02	63	1650868	8.932	ppbv 100
25) Ethyl Acetate	5.68	43	3053188	8.414	ppbv 99
26) Hexane	5.69	57	1340459	8.442	ppbv 99
27) Carbon Disulfide	4.55	76	1545701	9.118	ppbv 100
28) Methyl tert-Butyl Ether	5.04	73	2274757	8.677	ppbv 99
29) Chloroform	5.76	83	2080709	9.182	ppbv 98
30) Cyclohexane	7.14	84	1162745	8.884	ppbv 97
31) cis-1,2-Dichloroethene	5.55	61	1434301	9.110	ppbv 98
32) 1,1,1-Trichloroethane	6.52	97	2110282	8.537	ppbv 100
34) 2-Butanone	5.25	43	2080259	8.781	ppbv 99
35) Carbon Tetrachloride	7.03	117	2071242	8.963	ppbv 99
36) Benzene	6.90	78	2821693	8.851	ppbv 98
37) 1,2-Dichloroethane	6.31	62	1656856	9.363	ppbv 99
38) Trichloroethene	7.84	130	996708	7.978	ppbv 97
39) 1,2-Dichloropropane	7.63	63	1122634	8.893	ppbv 95
40) 1,4-Dioxane	7.84	88	454059	8.832	ppbv 93
41) Tetrahydrofuran	6.05	42	1238564	8.763	ppbv 98
42) Bromodichloromethane	7.80	83	2295941	9.211	ppbv 98
43) Methyl Methacrylate	8.02	69	1279194	9.045	ppbv 99

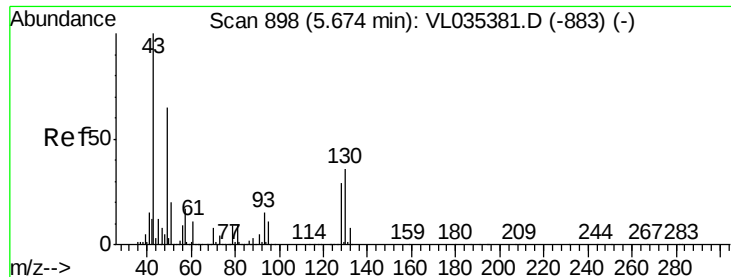
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081220\
 Data File : VL035392.D
 Acq On : 12 Aug 2020 22:55
 Operator : SY/AP
 Sample : VL0812ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0812ABS01

Quant Time: Aug 13 04:31:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081220AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 12 20:32:44 2020
 QLast Update : Wed Aug 12 20:32:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4659971	8.497	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1547547	9.431	ppbv	99
46) cis-1,3-Dichloropropene	8.72	75	1756402	9.164	ppbv	98
47) 1,1,2-Trichloroethane	9.49	97	1158889	9.052	ppbv	97
48) Dibromochloromethane	10.32	129	1873304	9.154	ppbv	99
49) Bromoform	13.06	173	1575212	9.390	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	3087461	8.647	ppbv	100
51) 2-Hexanone	10.15	43	2637528	8.774	ppbv #	99
52) Tetrachloroethene	11.24	164	908713	8.039	ppbv	98
53) Toluene	9.82	91	3291818	8.699	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1818606	8.969	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.15	131	1406952	7.178	ppbv	97
57) Chlorobenzene	12.17	112	2385599	6.937	ppbv	97
58) Ethyl Benzene	12.73	91	4473804	7.017	ppbv	98
59) m/p-Xylene	13.02	91	3952581	7.434	ppbv #	44
60) o-Xylene	13.72	91	3551235	6.898	ppbv	99
61) Styrene	13.55	104	2708438	7.126	ppbv	99
62) Isopropylbenzene	14.69	105	5300441	6.863	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.70	83	2502893	6.665	ppbv	99
64) n-propylbenzene	15.59	120	1419518	6.968	ppbv	94
65) tert-Butylbenzene	16.77	119	4545793	6.686	ppbv	98
66) Benzyl Chloride	17.01	91	2119654	6.903	ppbv	99
67) sec-Butylbenzene	17.32	105	6604918	6.739	ppbv	99
69) p-Isopropyltoluene	17.68	119	5514657	6.750	ppbv	99
70) n-Butylbenzene	18.57	91	6163317	6.814	ppbv	99
71) 2-Chlorotoluene	15.48	91	4375479	7.038	ppbv	98
72) 4-Ethyltoluene	15.86	105	4355069	6.930	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	4136017	7.019	ppbv	99
74) 1,2,4-Trimethylbenzene	16.79	105	4133370	6.670	ppbv	94
75) 1,3-Dichlorobenzene	17.02	146	2282945	6.750	ppbv	99
76) 1,4-Dichlorobenzene	17.17	146	2389202	6.878	ppbv	99
77) 1,2-Dichlorobenzene	17.84	146	2328898	6.830	ppbv	99
78) Hexachloro-1,3-Butadiene	23.40	225	1798237	6.396	ppbv	99
79) Naphthalene	22.23	128	5033026	6.521	ppbv	99
80) Naphthalene, 2-methyl-	25.00	142	2288358	6.366	ppbv	99
81) 1,2,4-Trichlorobenzene	21.96	180	2356737	6.451	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.00 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

Instrument :

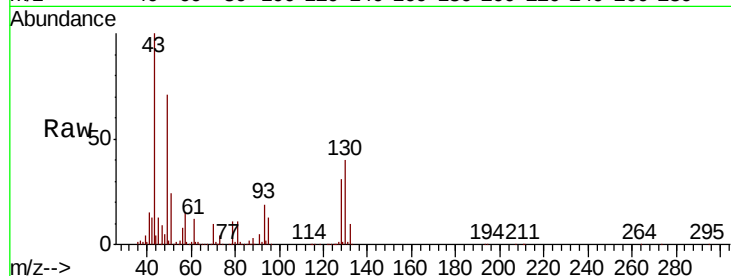
MSVOA_L

ClientSampleId :

VL0812ABS01

Tot Ion: 49 Resp: 1395797

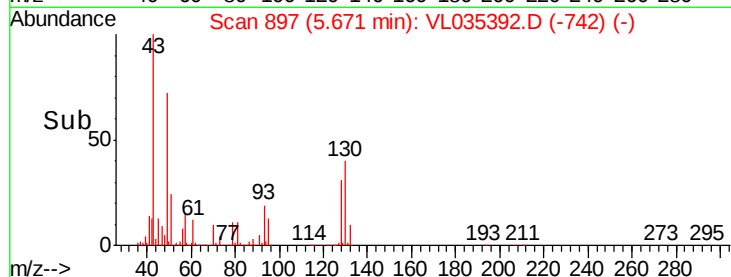
Ion	Ratio	Lower	Upper
49	100		
128	42.8	21.8	65.3
130	54.7	27.9	83.6



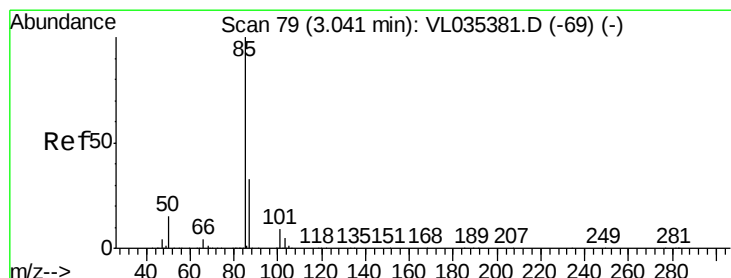
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



Time-->



#2

Dichlorodifluoromethane

Concen: 9.205 ppbv

RT: 3.04 min Scan# 79

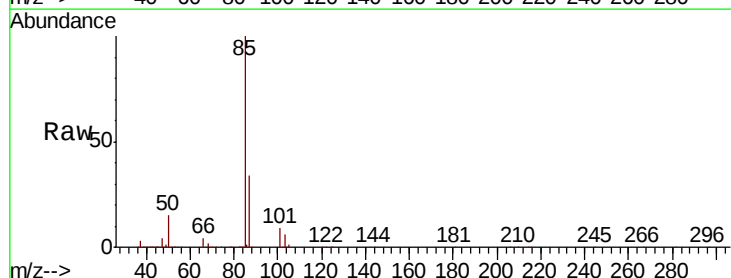
Delta R.T. 0.00 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

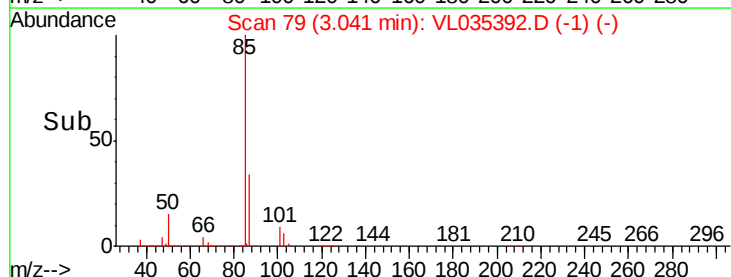
Tgt Ion: 85 Resp: 1547309

Ion	Ratio	Lower	Upper
85	100		
87	33.6	26.1	39.1

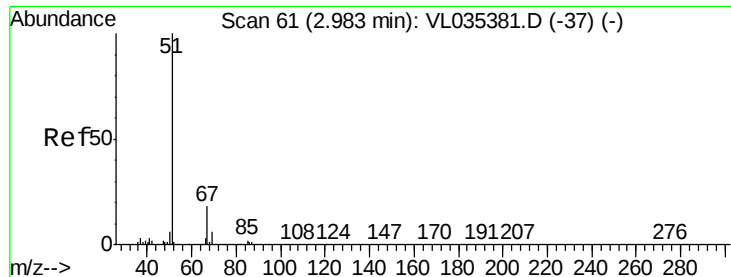


Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0



Time-->



#3

Chlorodifluoromethane

Concen: 9.158 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.00 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

Instrument :

MSVOA_L

ClientSampleId :

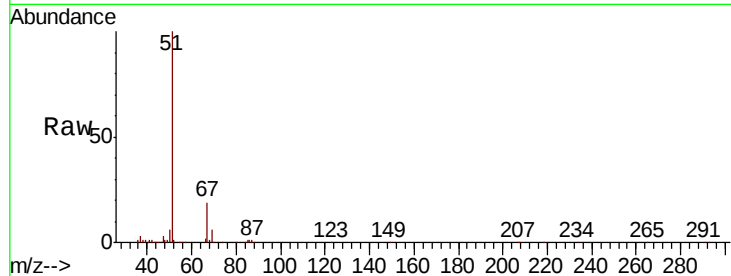
VL0812ABS01

Tot Ion: 51 Resp: 1486116

Ion Ratio Lower Upper

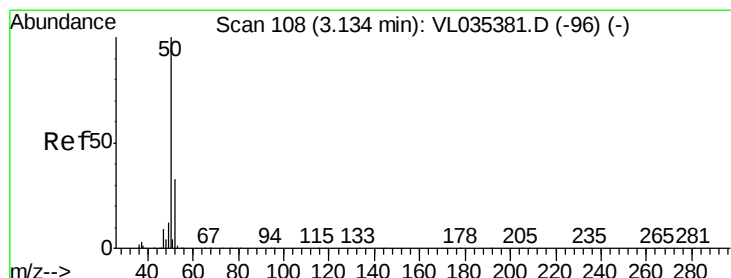
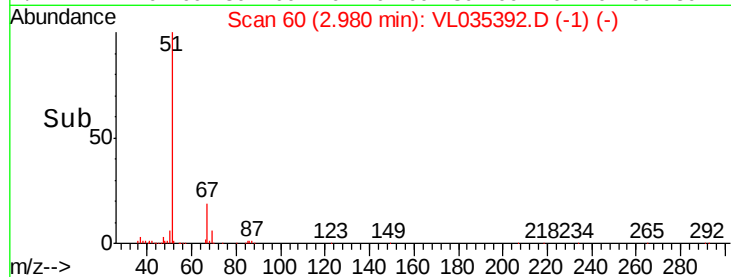
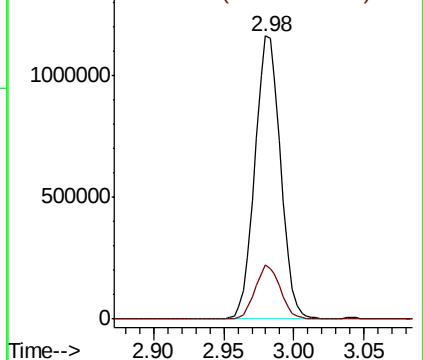
51 100

67 18.7 14.1 21.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.011 ppbv

RT: 3.13 min Scan# 108

Delta R.T. 0.00 min

Lab File: VL035392.D

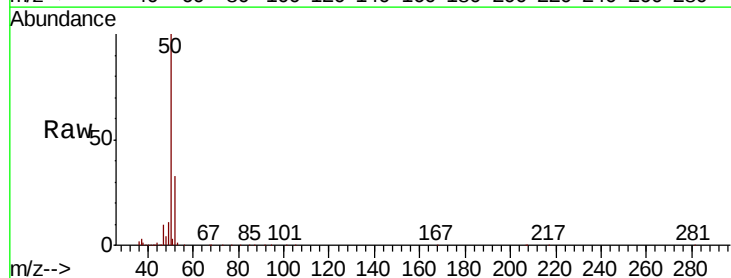
Acq: 12 Aug 2020 22:55

Tgt Ion: 50 Resp: 817172

Ion Ratio Lower Upper

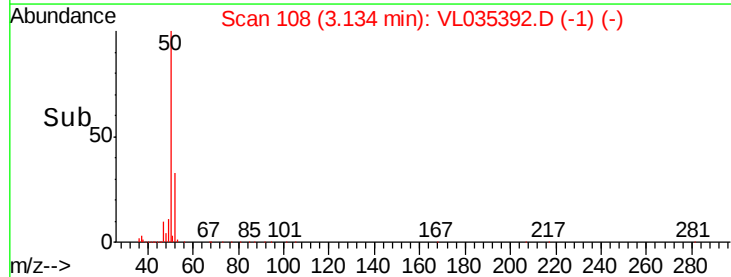
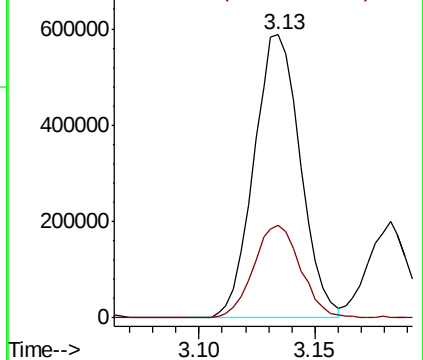
50 100

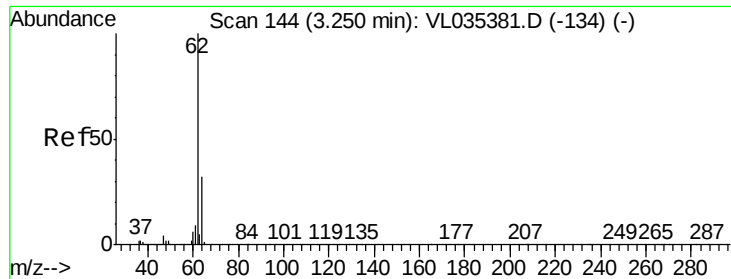
52 32.9 26.6 39.8



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.840 ppbv

RT: 3.25 min Scan# 145

Delta R.T. 0.00 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

Instrument :

MSVOA_L

ClientSampleId :

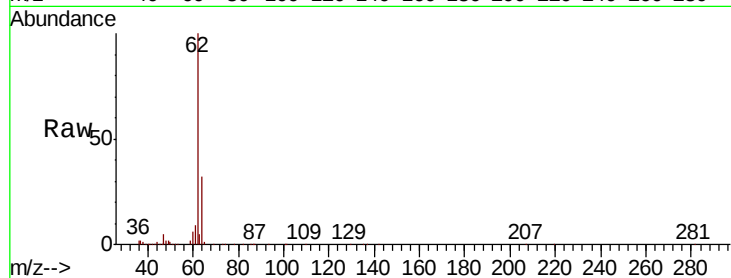
VL0812ABS01

Tot Ion: 62 Resp: 792411

Ion Ratio Lower Upper

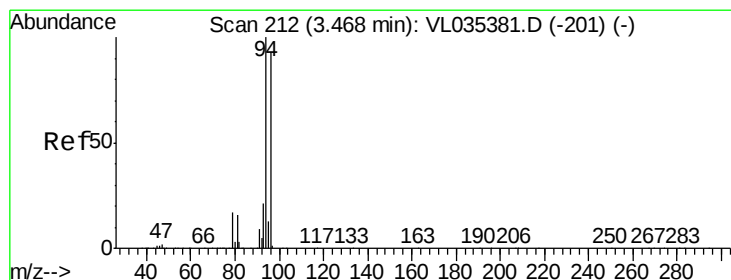
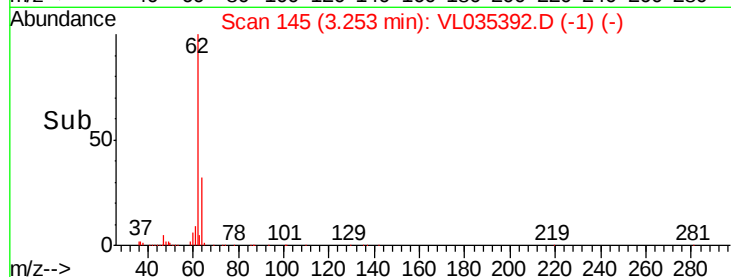
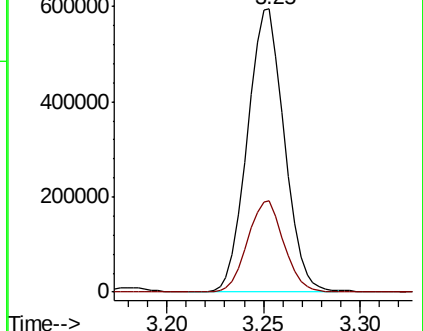
62 100

64 32.1 25.7 38.5



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.349 ppbv

RT: 3.47 min Scan# 212

Delta R.T. 0.00 min

Lab File: VL035392.D

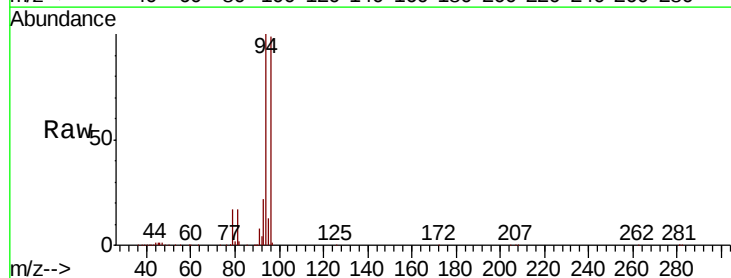
Acq: 12 Aug 2020 22:55

Tgt Ion: 94 Resp: 464692

Ion Ratio Lower Upper

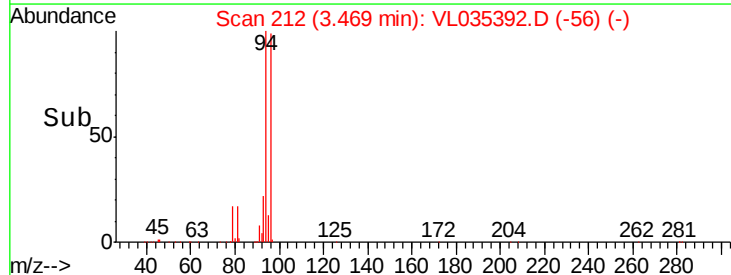
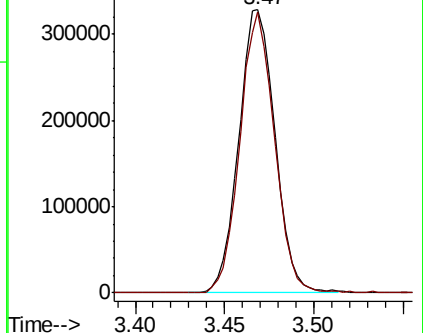
94 100

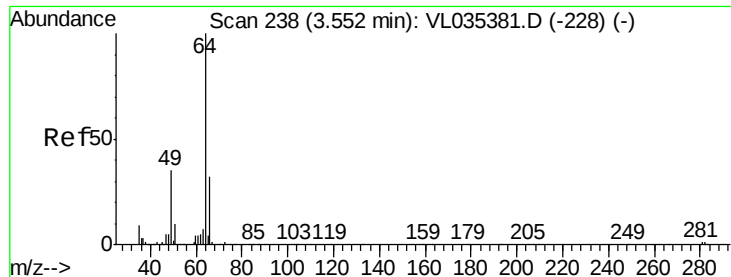
96 99.1 74.4 111.6



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.005 ppbv

RT: 3.55 min Scan# 238

Delta R.T. 0.00 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

Instrument :

MSVOA_L

ClientSampleId :

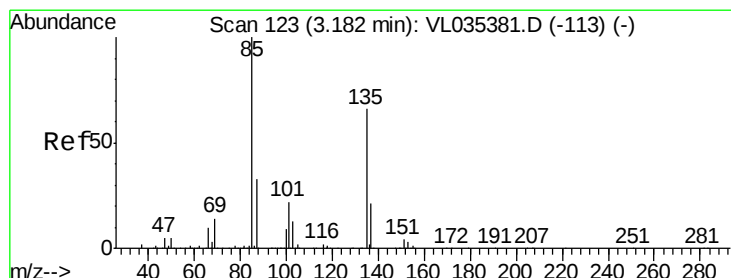
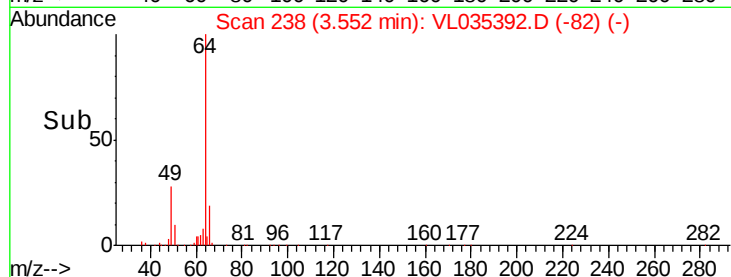
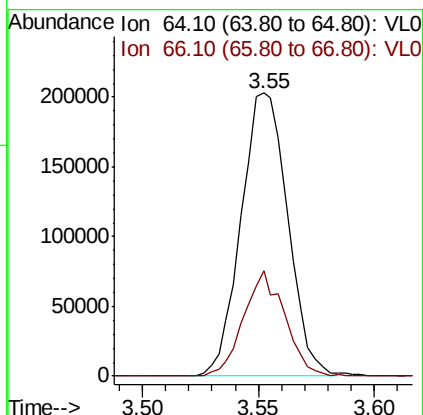
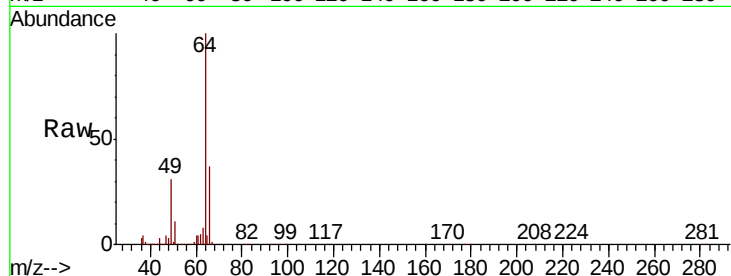
VL0812ABS01

Tot Ion: 64 Resp: 284710

Ion Ratio Lower Upper

64 100

66 37.3 25.7 38.5



#8

Dichlorotetrafluoroethane

Concen: 8.901 ppbv

RT: 3.18 min Scan# 123

Delta R.T. 0.00 min

Lab File: VL035392.D

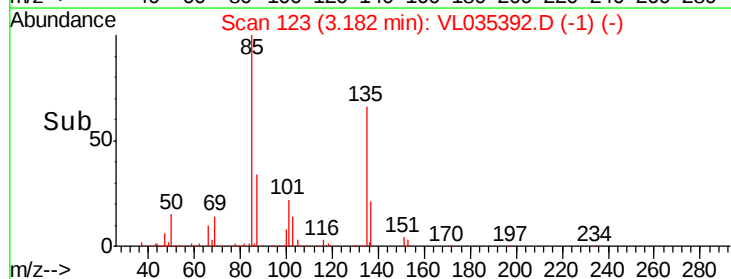
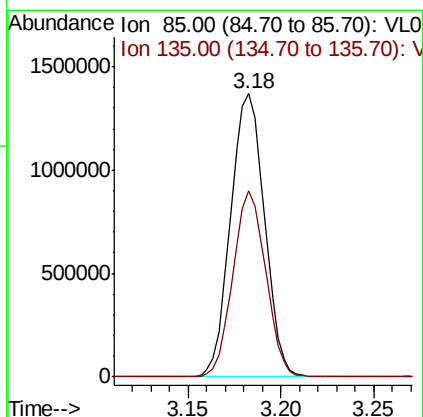
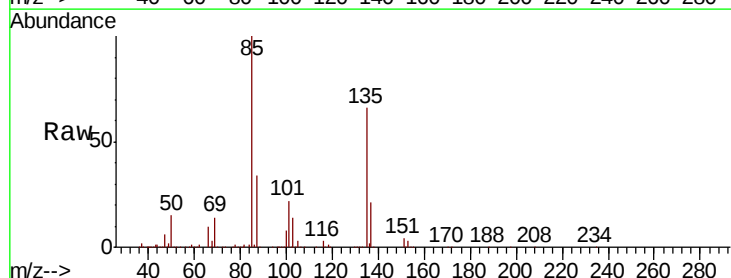
Acq: 12 Aug 2020 22:55

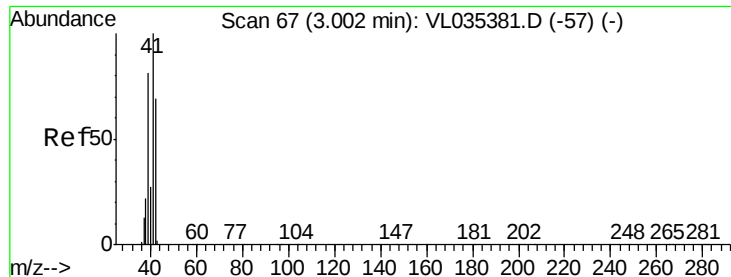
Tgt Ion: 85 Resp: 1736849

Ion Ratio Lower Upper

85 100

135 64.0 52.5 78.7





#9

Propene

Concen: 8.512 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.00 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

Instrument :

MSVOA_L

ClientSampleId :

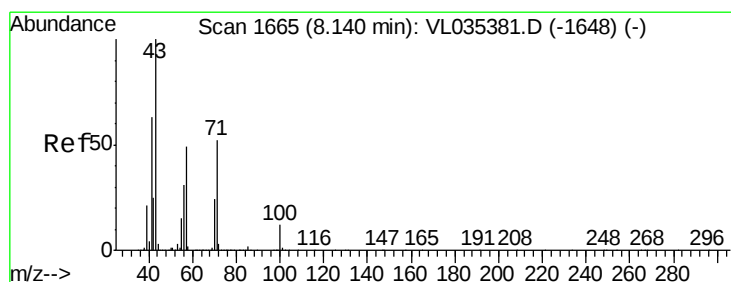
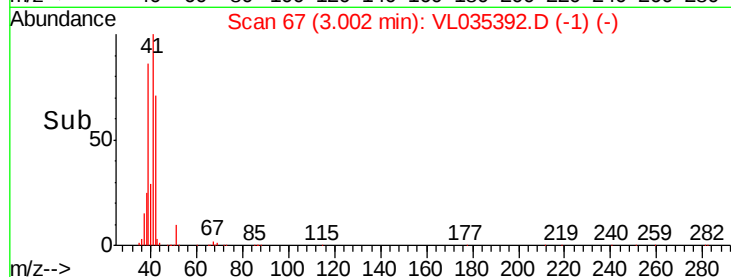
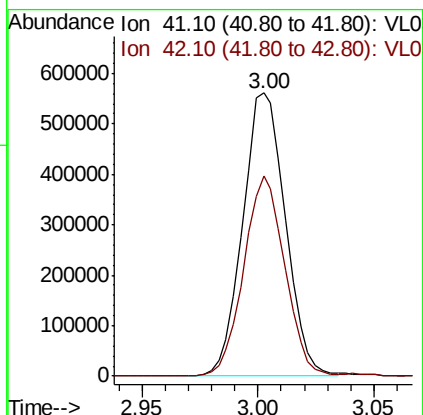
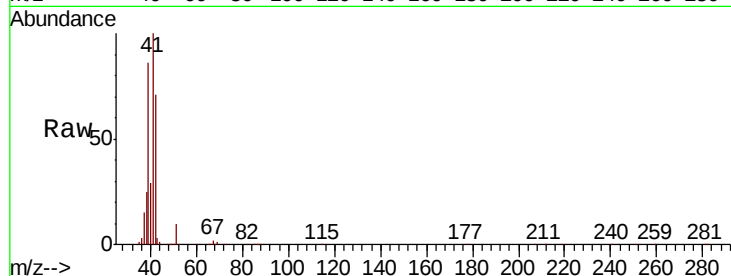
VL0812ABS01

Tot Ion: 41 Resp: 715553

Ion Ratio Lower Upper

41 100

42 69.3 55.4 83.2



#10

Heptane

Concen: 8.639 ppbv

RT: 8.13 min Scan# 1663

Delta R.T. -0.01 min

Lab File: VL035392.D

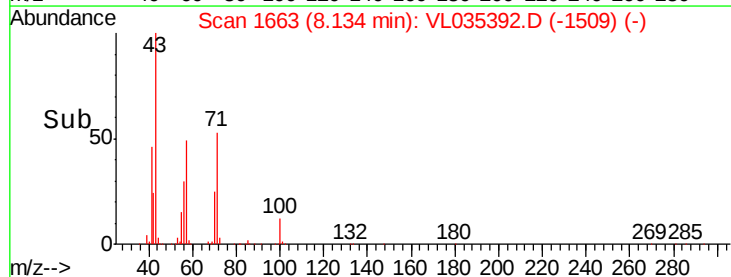
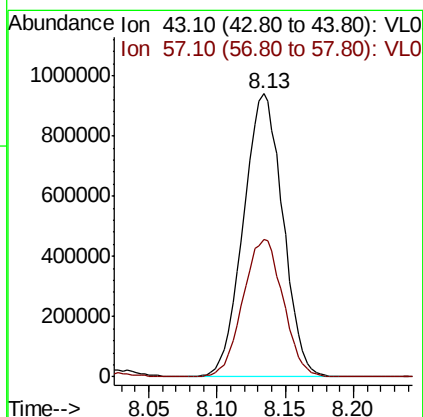
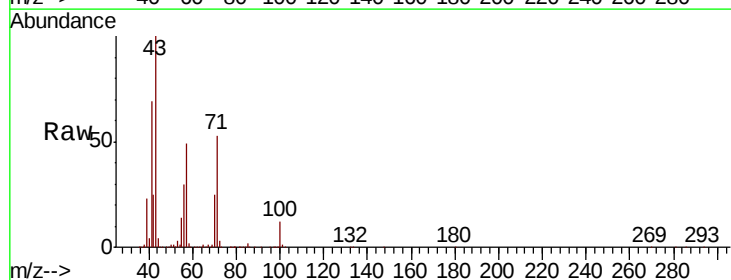
Acq: 12 Aug 2020 22:55

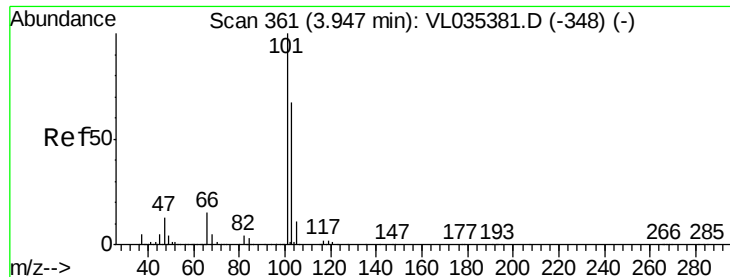
Tgt Ion: 43 Resp: 1881213

Ion Ratio Lower Upper

43 100

57 49.4 39.4 59.2

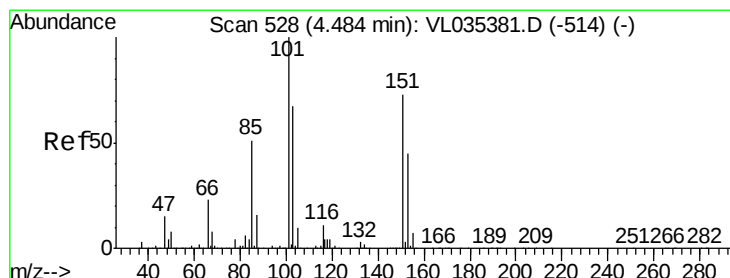
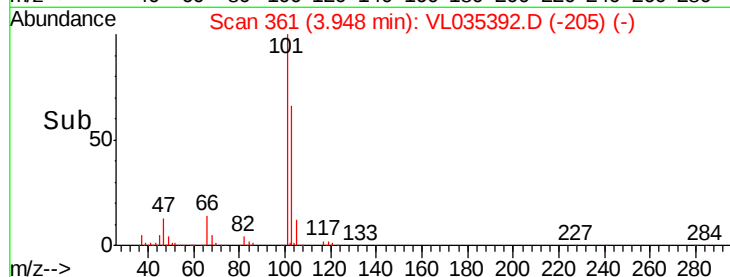
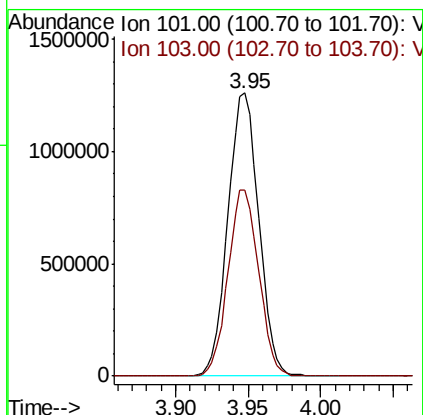
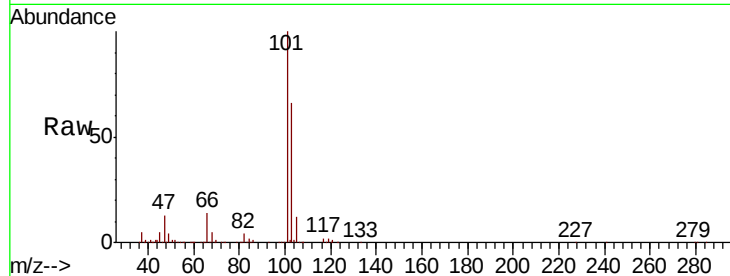




#11
 Trichlorofluoromethane
 Concen: 9.132 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. 0.00 min
 Lab File: VL035392.D
 Acq: 12 Aug 2020 22:55

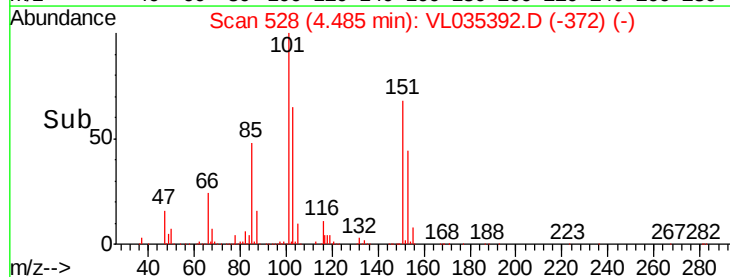
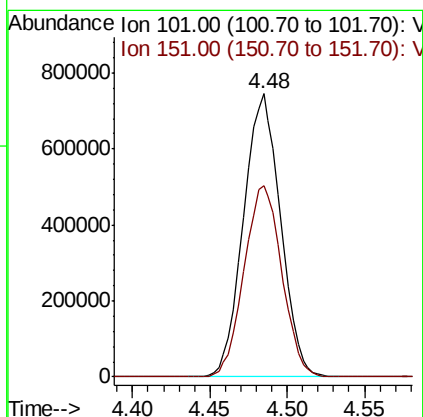
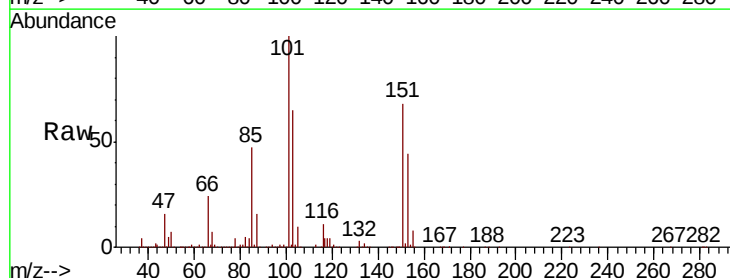
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0812ABS01

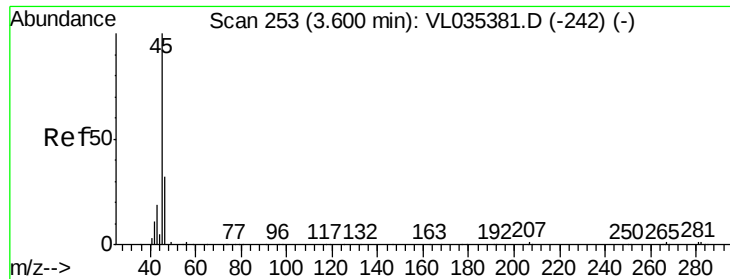
Tot Ion:101 Resp: 1861629
 Ion Ratio Lower Upper
 101 100
 103 66.0 53.3 79.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.957 ppbv
 RT: 4.48 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VL035392.D
 Acq: 12 Aug 2020 22:55

Tgt Ion:101 Resp: 1242598
 Ion Ratio Lower Upper
 101 100
 151 68.9 57.0 85.6





#13

Ethanol

Concen: 6.539 ppbv

RT: 3.60 min Scan# 254

Delta R.T. 0.00 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

Instrument :

MSVOA_L

ClientSampleId :

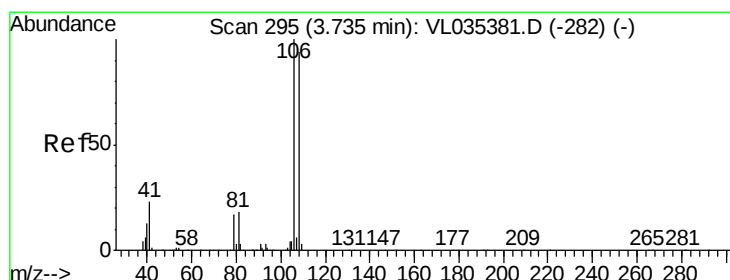
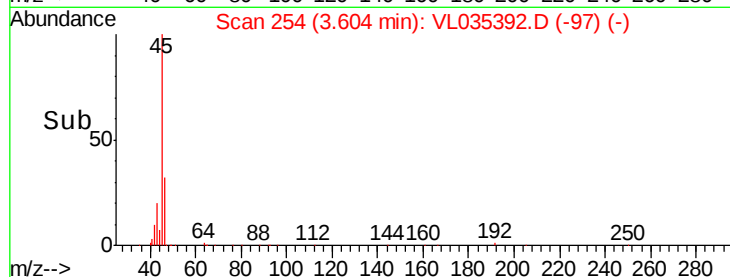
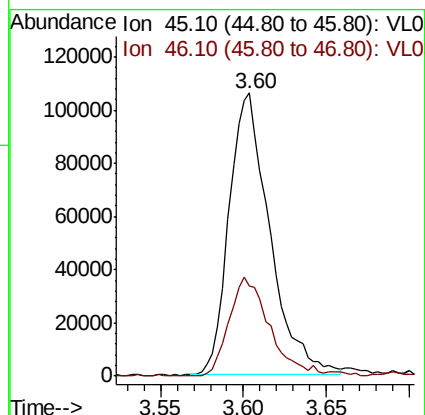
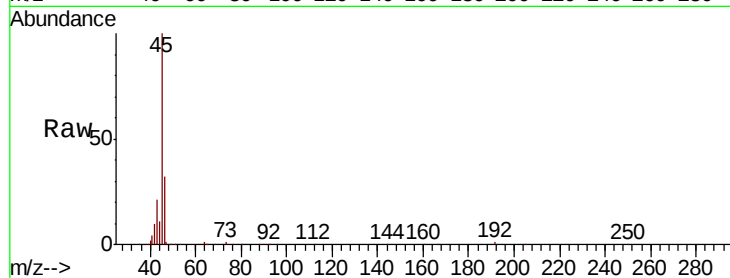
VL0812ABS01

Tot Ion: 45 Resp: 180256

Ion Ratio Lower Upper

45 100

46 36.6 14.1 56.3



#14

Bromoethene

Concen: 9.199 ppbv

RT: 3.74 min Scan# 295

Delta R.T. 0.00 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

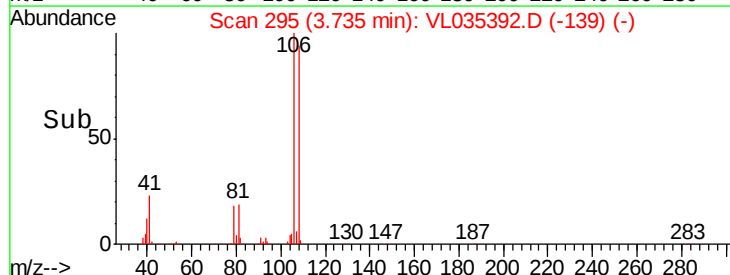
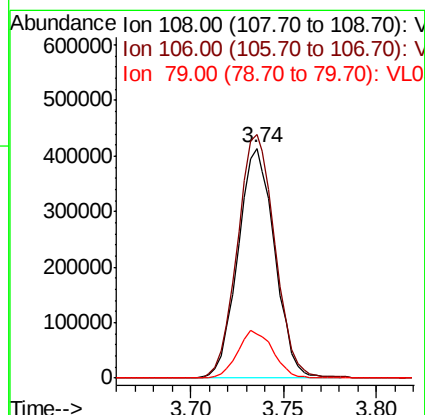
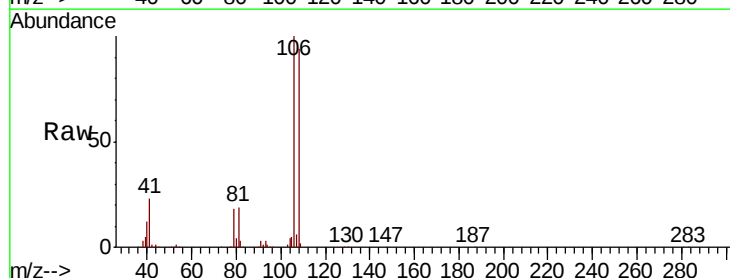
Tgt Ion: 108 Resp: 570180

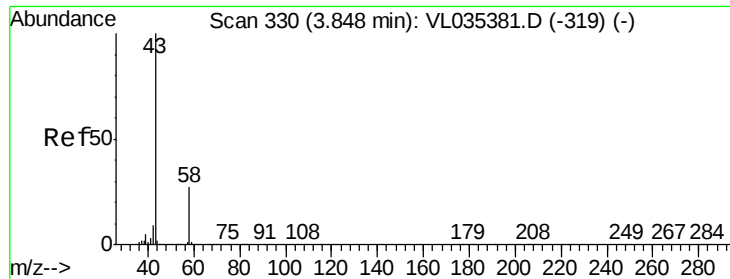
Ion Ratio Lower Upper

108 100

106 108.8 84.9 127.3

79 20.4 15.8 23.8





#15

Acetone

Concen: 7.978 ppbv

RT: 3.85 min Scan# 330

Delta R.T. 0.00 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

Instrument :

MSVOA_L

ClientSampleId :

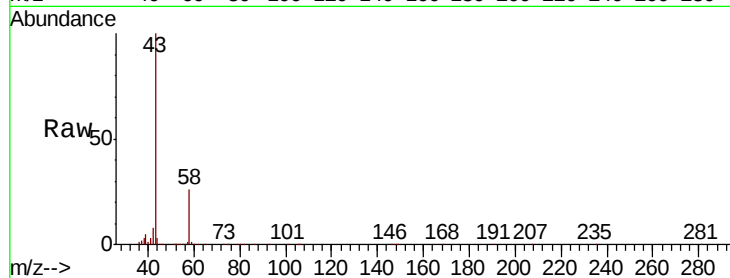
VL0812ABS01

Tot Ion: 43 Resp: 1402545

Ion Ratio Lower Upper

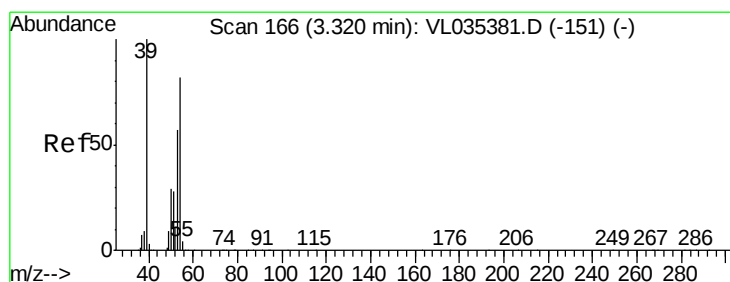
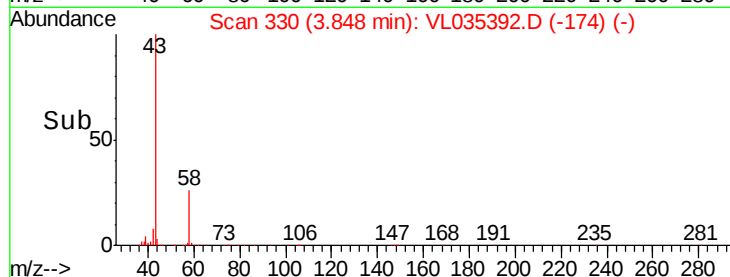
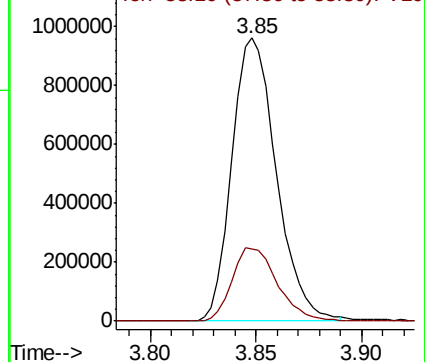
43 100

58 26.6 21.7 32.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 8.301 ppbv

RT: 3.32 min Scan# 166

Delta R.T. 0.00 min

Lab File: VL035392.D

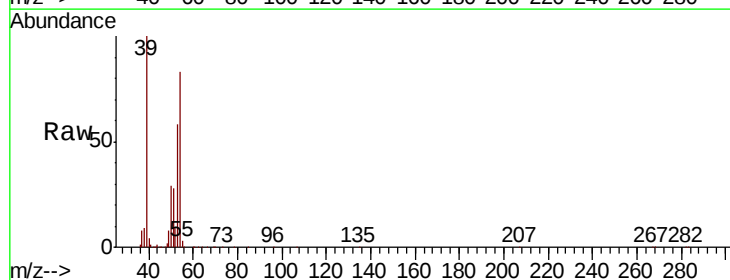
Acq: 12 Aug 2020 22:55

Tgt Ion: 39 Resp: 749299

Ion Ratio Lower Upper

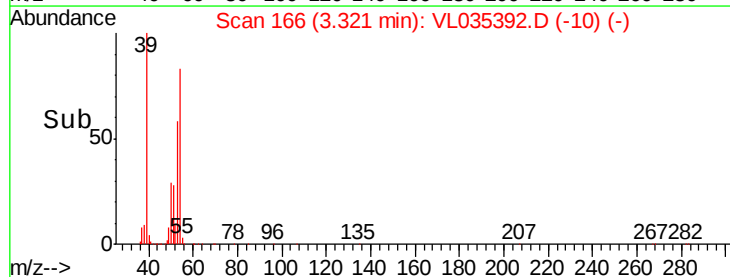
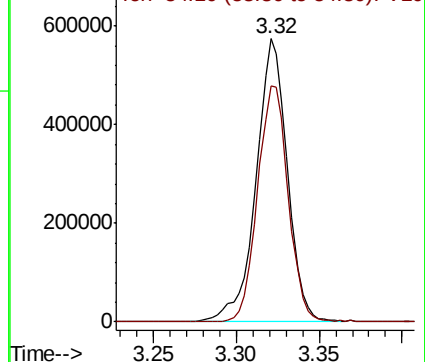
39 100

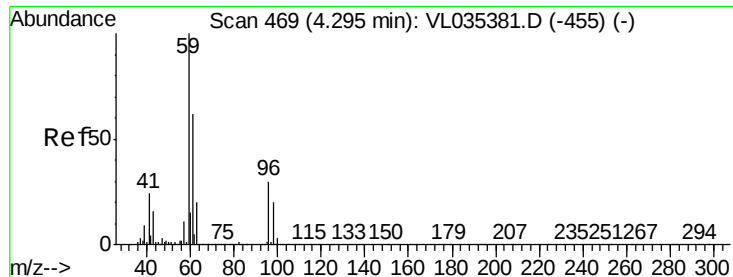
54 82.0 64.9 97.3



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

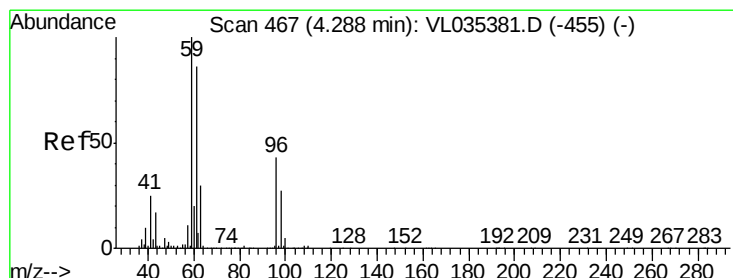
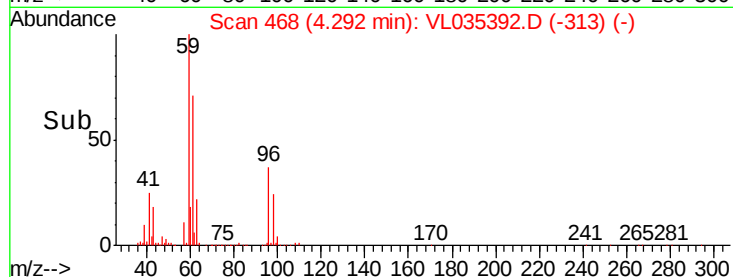
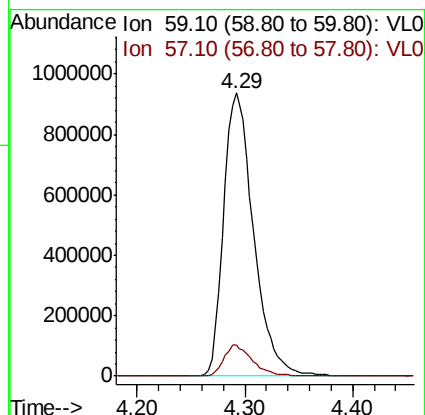
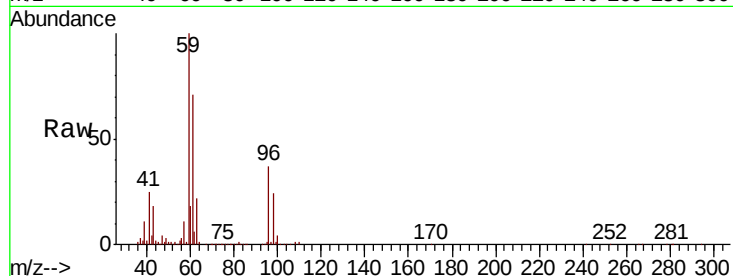




#17
tert-Butyl alcohol
Concen: 8.832 ppbv
RT: 4.29 min Scan# 468
Delta R.T. -0.00 min
Lab File: VL035392.D
Acq: 12 Aug 2020 22:55

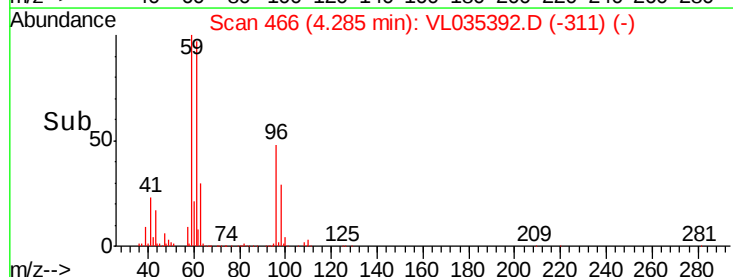
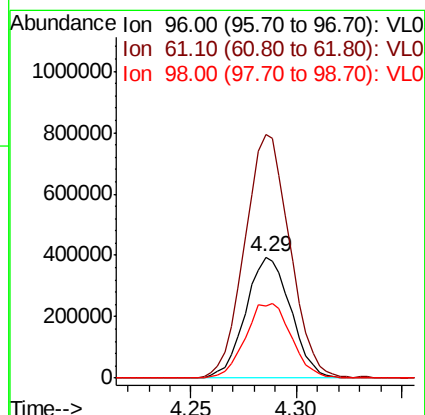
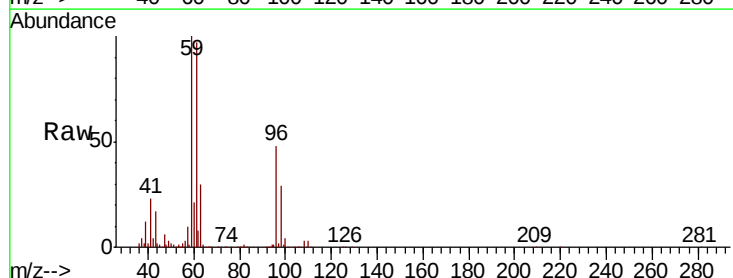
Instrument :
MSVOA_L
ClientSampleId :
VL0812ABS01

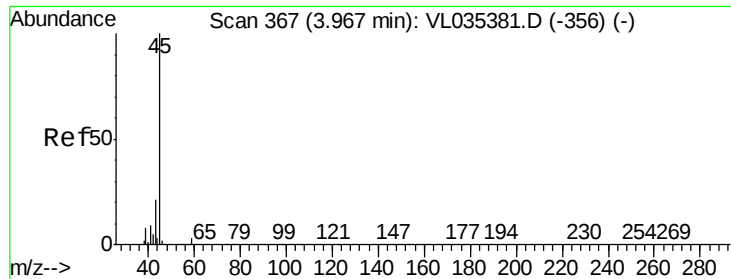
Tot Ion: 59 Resp: 1811103
Ion Ratio Lower Upper
59 100
57 10.7 8.6 13.0



#18
1,1-Dichloroethene
Concen: 9.188 ppbv
RT: 4.29 min Scan# 466
Delta R.T. -0.00 min
Lab File: VL035392.D
Acq: 12 Aug 2020 22:55

Tgt Ion: 96 Resp: 583939
Ion Ratio Lower Upper
96 100
61 201.3 159.0 238.4
98 60.0 50.3 75.5





#19

Isopropyl Alcohol

Concen: 8.717 ppbv

RT: 3.97 min Scan# 367

Delta R.T. 0.00 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

Instrument :

MSVOA_L

ClientSampleId :

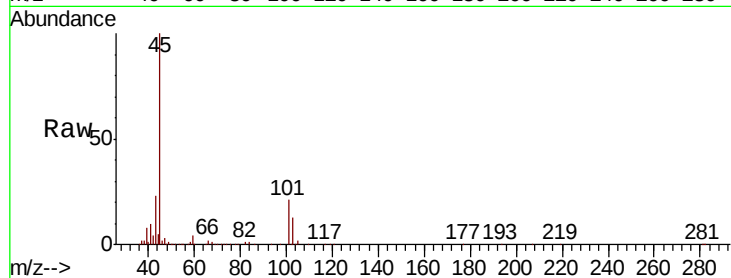
VL0812ABS01

Tot Ion: 45 Resp: 1195880

Ion Ratio Lower Upper

45 100

58 31.2 24.9 37.3



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.97

800000

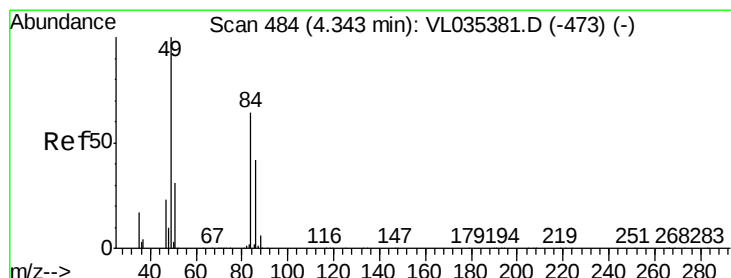
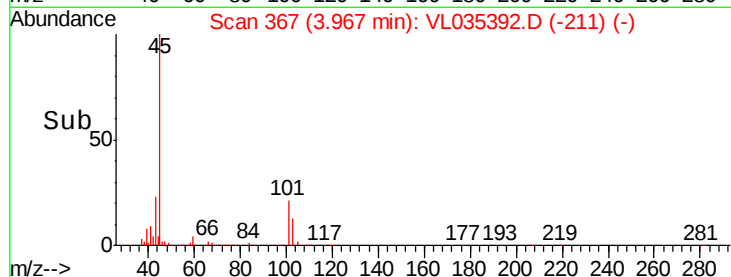
600000

400000

200000

0

Time-->



#20

Methylene Chloride

Concen: 7.693 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.00 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

Tgt Ion: 84 Resp: 510692

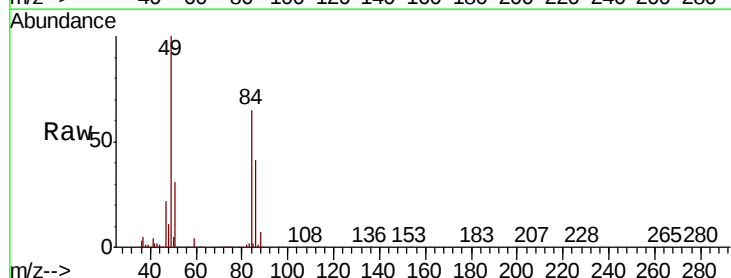
Ion Ratio Lower Upper

84 100

49 152.3 125.7 188.5

51 47.4 38.5 57.7

86 63.4 52.4 78.6



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

800000

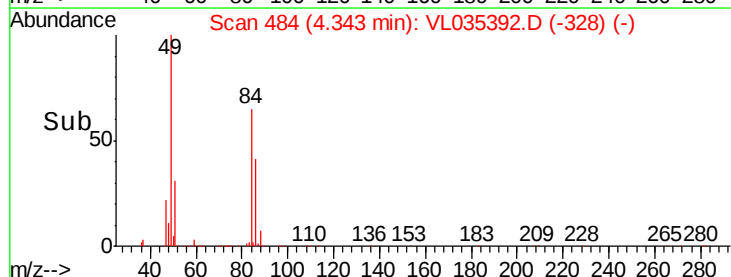
600000

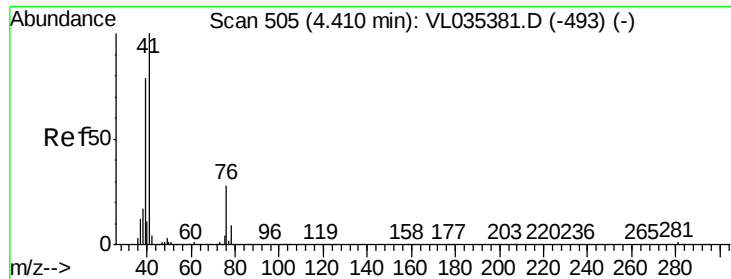
400000

200000

0

Time-->





#21

Allvl Chloride

Concen: 8.799 ppbv

RT: 4.41 min Scan# 505

Delta R.T. 0.00 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

Instrument :

MSVOA_L

ClientSampleId :

VL0812ABS01

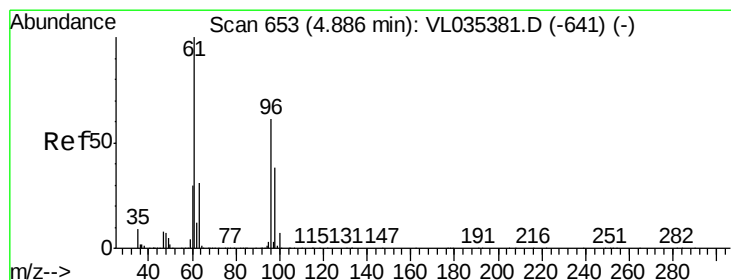
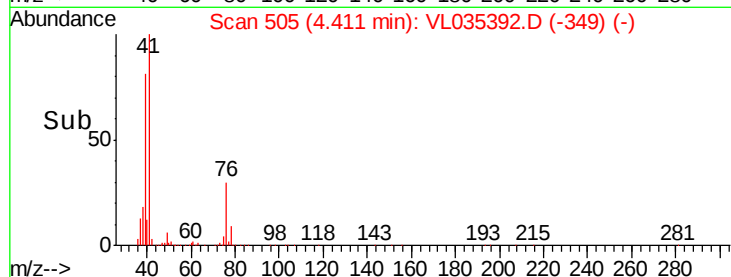
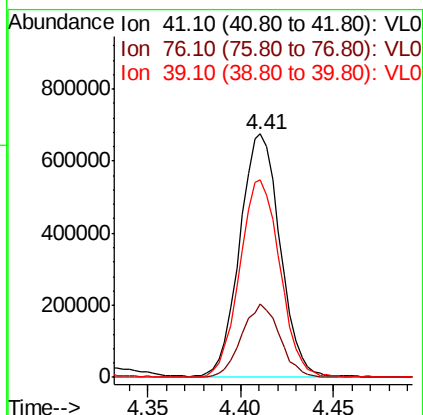
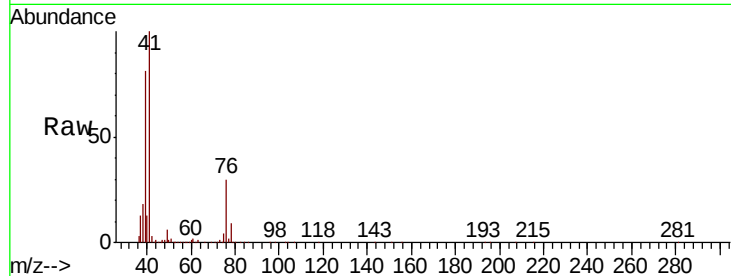
Tot Ion: 41 Resp: 1015663

Ion Ratio Lower Upper

41 100

76 28.9 22.4 33.6

39 81.6 63.0 94.4



#22

trans-1,2-Dichloroethene

Concen: 9.310 ppbv

RT: 4.89 min Scan# 653

Delta R.T. 0.00 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

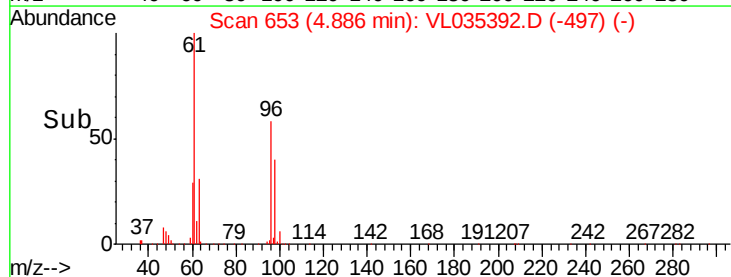
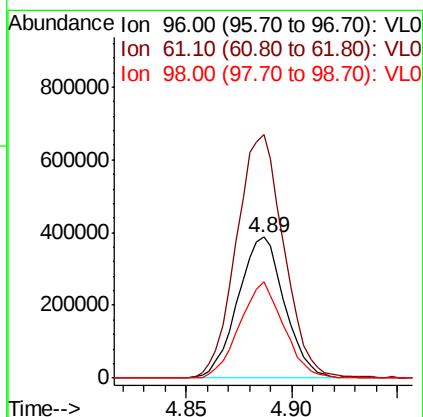
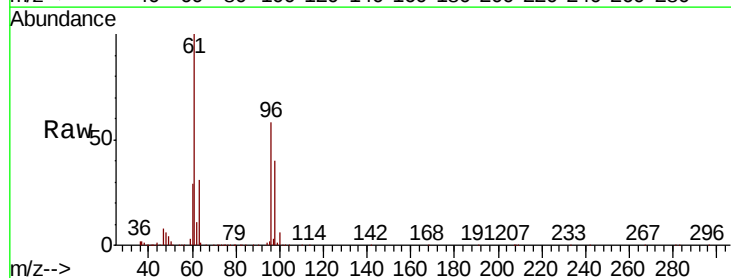
Tgt Ion: 96 Resp: 594386

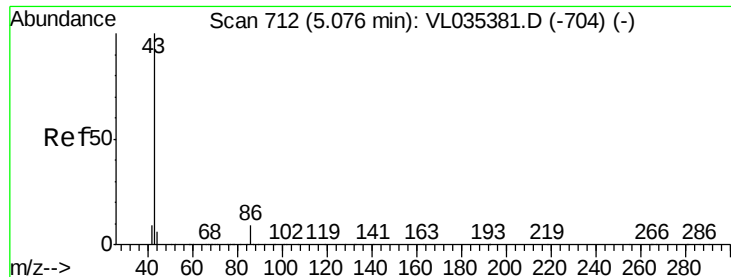
Ion Ratio Lower Upper

96 100

61 172.3 131.8 197.6

98 68.1 49.6 74.4





#23

Vinyl Acetate

Concen: 8.635 ppbv

RT: 5.08 min Scan# 712

Delta R.T. 0.00 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

Instrument :

MSVOA_L

ClientSampleId :

VL0812ABS01

Tot Ion: 43 Resp: 2423550

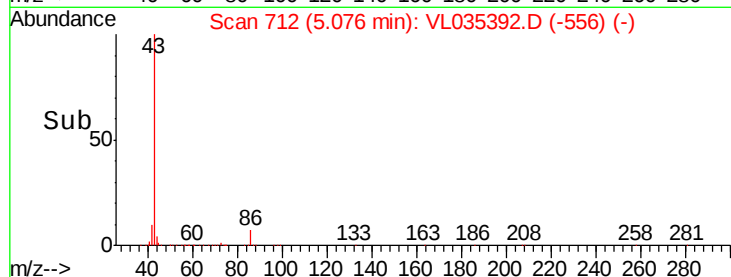
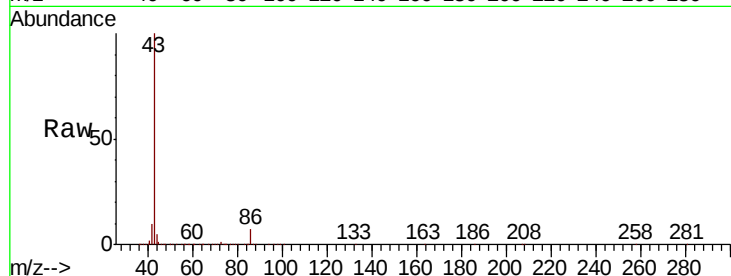
Ion	Ratio	Lower	Upper
43	100		
86	7.2	5.8	8.8
42	9.9	8.0	12.0
44	4.8	4.2	6.2

43 100

86 7.2 5.8 8.8

42 9.9 8.0 12.0

44 4.8 4.2 6.2

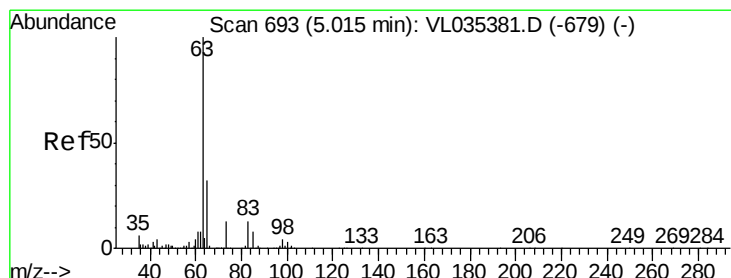
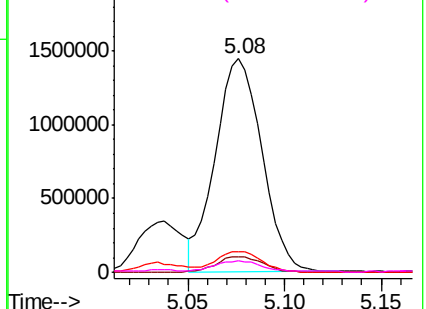


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 8.932 ppbv

RT: 5.02 min Scan# 693

Delta R.T. 0.00 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

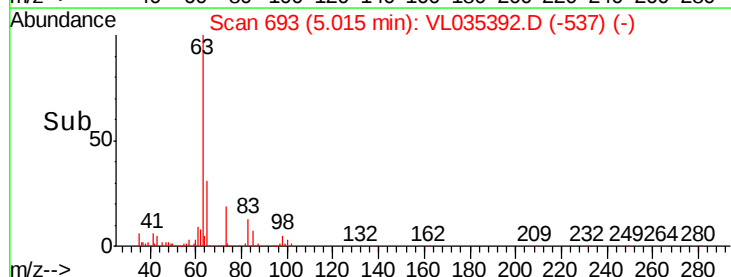
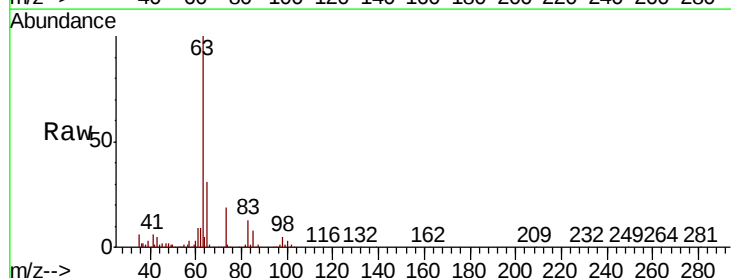
Tgt Ion: 63 Resp: 1650868

Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.2	6.6
100	2.6	1.4	4.0

63 100

98 4.5 2.2 6.6

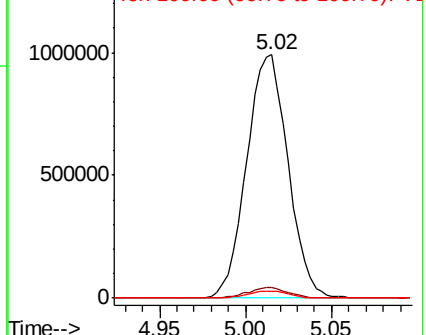
100 2.6 1.4 4.0

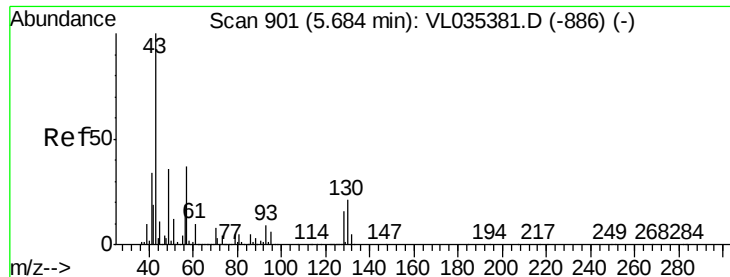


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



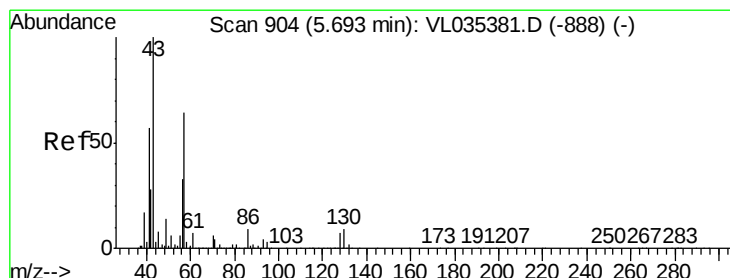
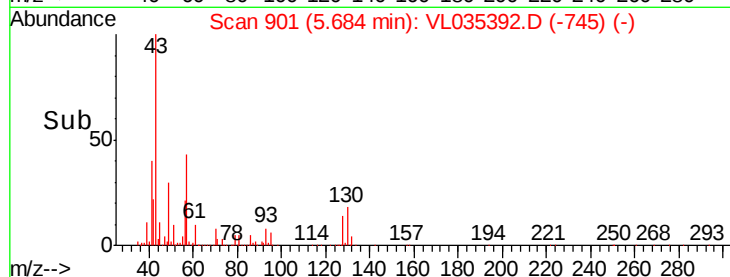
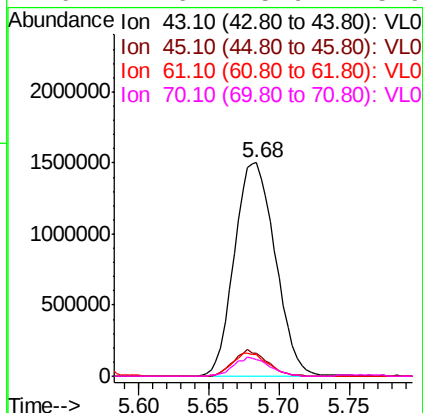
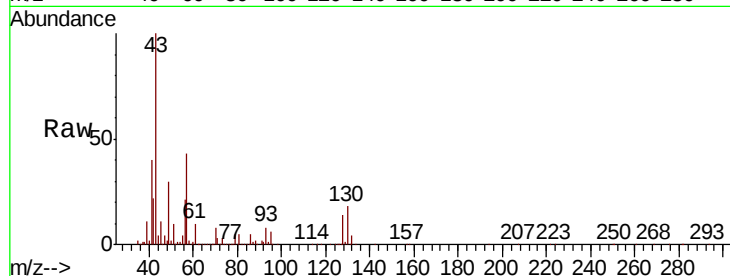


#25
Ethyl Acetate
Concen: 8.414 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.00 min
Lab File: VL035392.D
Acq: 12 Aug 2020 22:55

Instrument :
MSVOA_L
ClientSampleId :
VL0812ABS01

Tot Ion: 43 Resp: 3053188

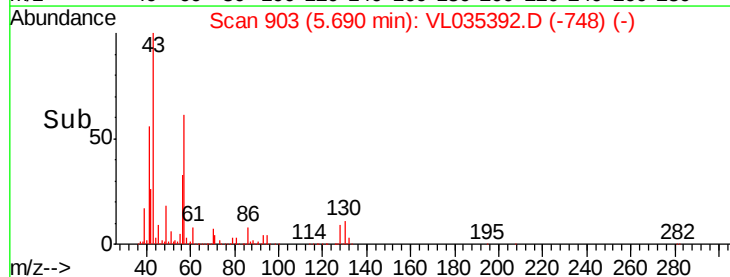
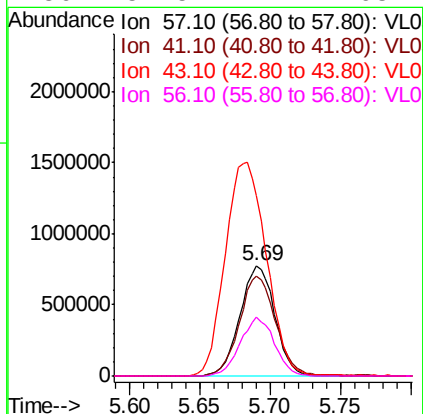
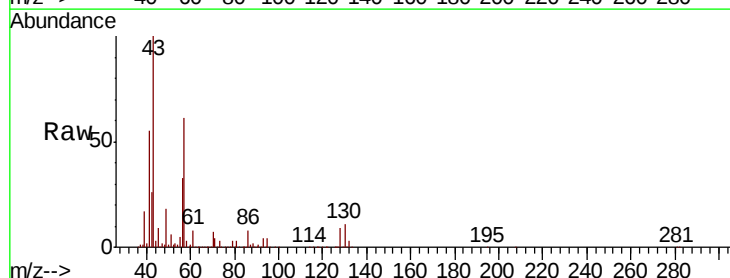
Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.0	12.0
61	9.7	7.4	11.2
70	7.6	5.9	8.9

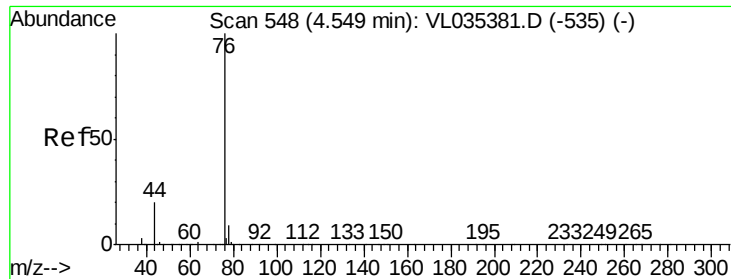


#26
Hexane
Concen: 8.442 ppbv
RT: 5.69 min Scan# 903
Delta R.T. -0.00 min
Lab File: VL035392.D
Acq: 12 Aug 2020 22:55

Tgt Ion: 57 Resp: 1340459

Ion	Ratio	Lower	Upper
57	100		
41	95.1	75.4	113.2
43	228.7	184.1	276.1
56	52.5	42.2	63.4





#27

Carbon Disulfide

Concen: 9.118 ppbv

RT: 4.55 min Scan# 547

Delta R.T. -0.00 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

Instrument :

MSVOA_L

ClientSampleId :

VL0812ABS01

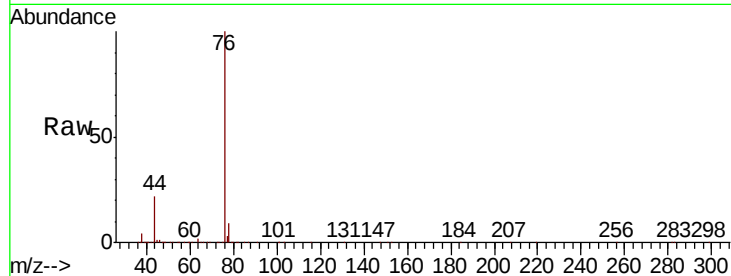
Tot Ion: 76 Resp: 1545701

Ion Ratio Lower Upper

76 100

44 21.3 17.0 25.4

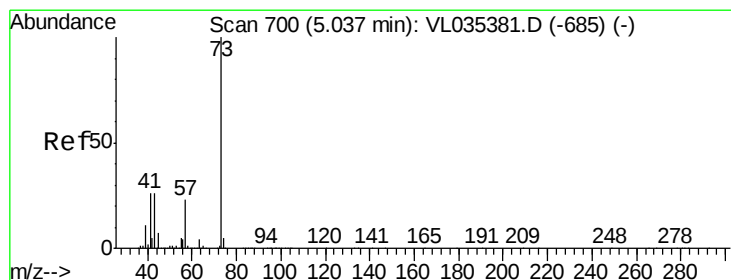
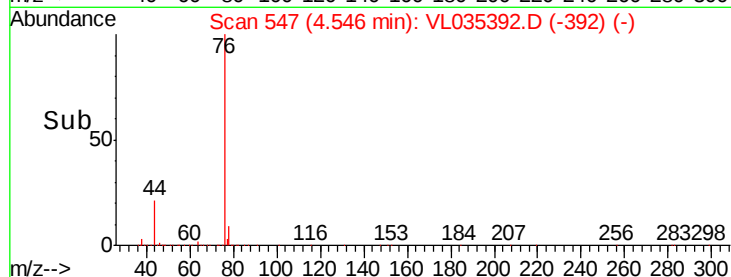
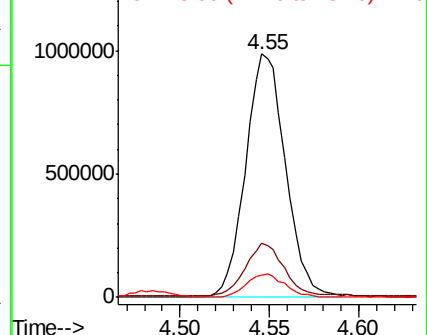
78 9.5 7.5 11.3



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: 8.677 ppbv

RT: 5.04 min Scan# 700

Delta R.T. 0.00 min

Lab File: VL035392.D

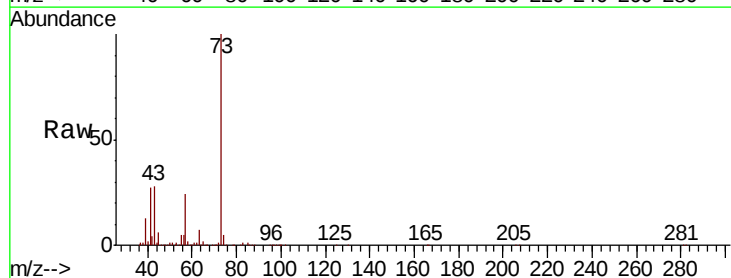
Acq: 12 Aug 2020 22:55

Tgt Ion: 73 Resp: 2274757

Ion Ratio Lower Upper

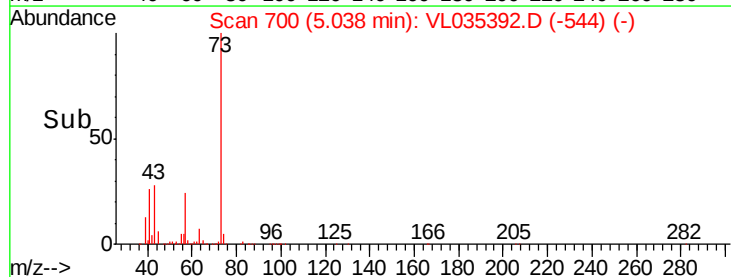
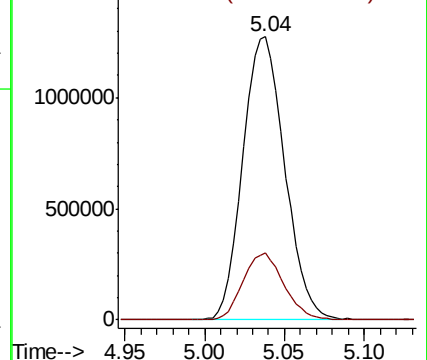
73 100

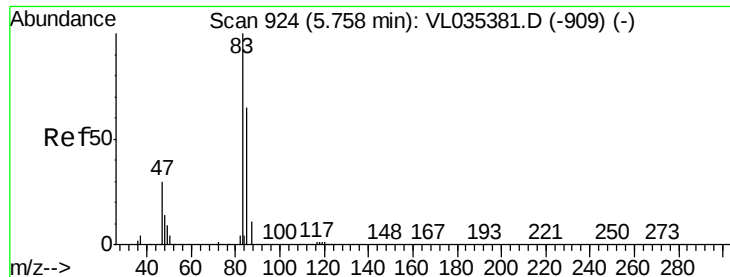
57 23.2 19.0 28.4



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 9.182 ppbv

RT: 5.76 min Scan# 924

Delta R.T. 0.00 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

Instrument :

MSVOA_L

ClientSampleId :

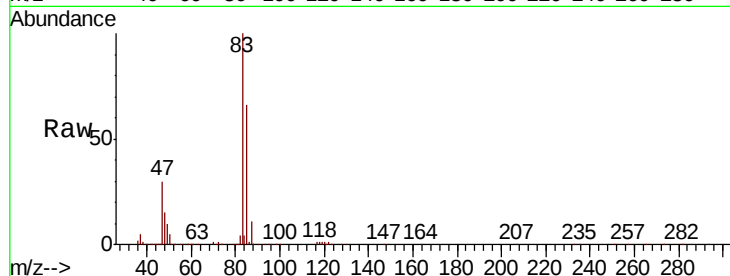
VL0812ABS01

Tot Ion: 83 Resp: 2080709

Ion Ratio Lower Upper

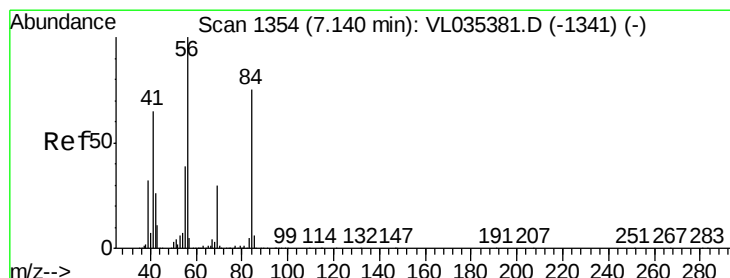
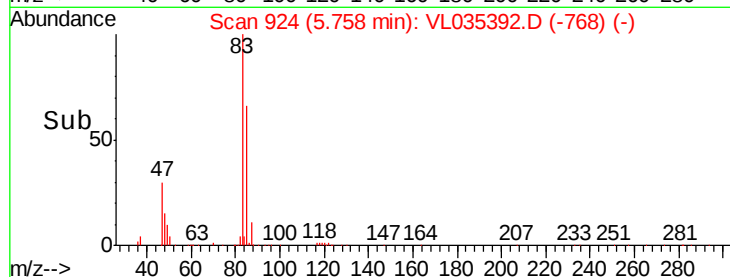
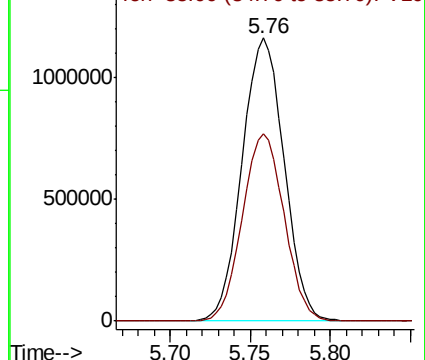
83 100

85 66.0 51.7 77.5



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 8.884 ppbv

RT: 7.14 min Scan# 1354

Delta R.T. 0.00 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

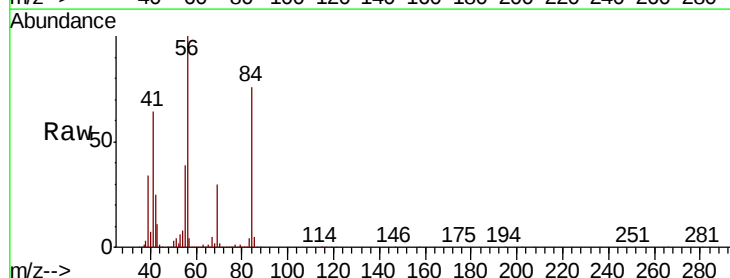
Tgt Ion: 84 Resp: 1162745

Ion Ratio Lower Upper

84 100

56 140.8 115.8 173.6

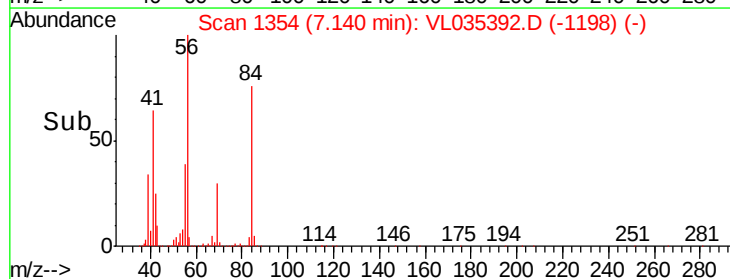
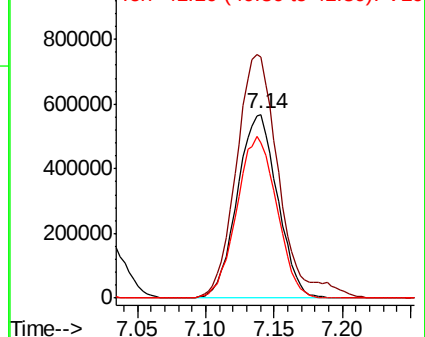
41 87.4 71.4 107.0

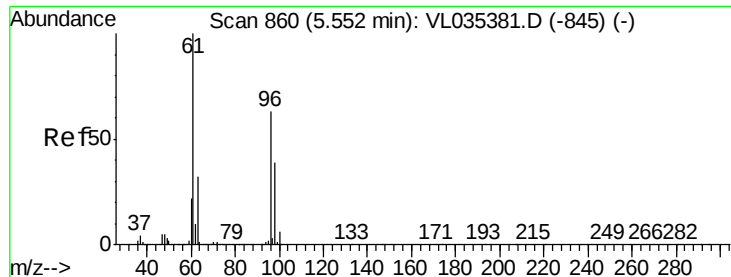


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0



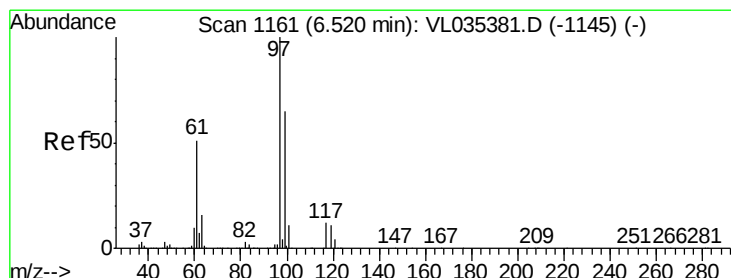
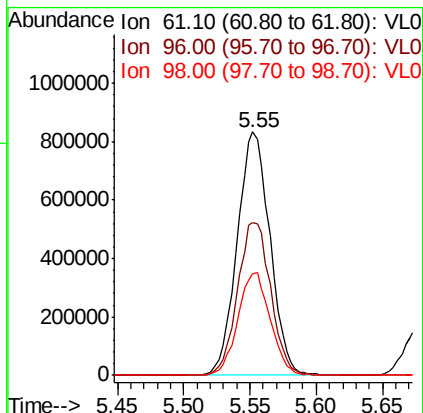
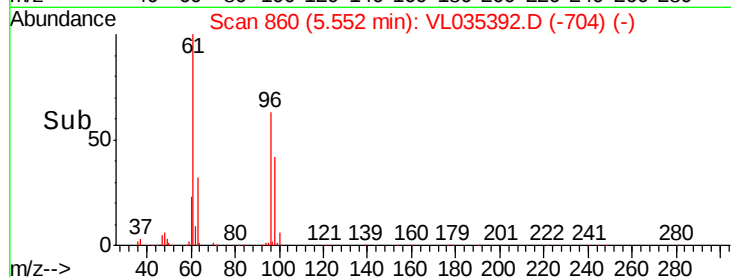
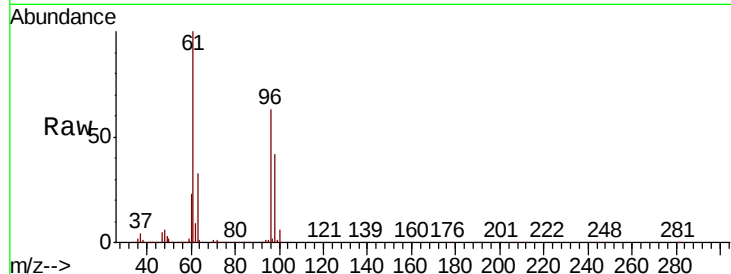


#31

cis-1,2-Dichloroethene
 Concen: 9.110 ppbv
 RT: 5.55 min Scan# 860
 Delta R.T. 0.00 min
 Lab File: VL035392.D
 Acq: 12 Aug 2020 22:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0812ABS01

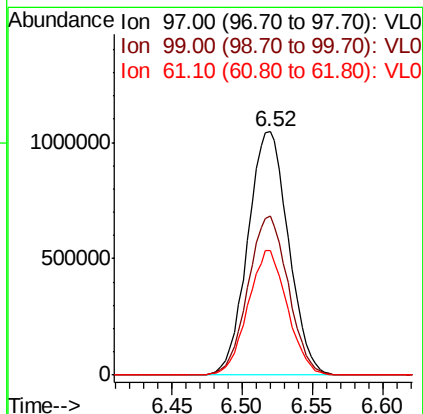
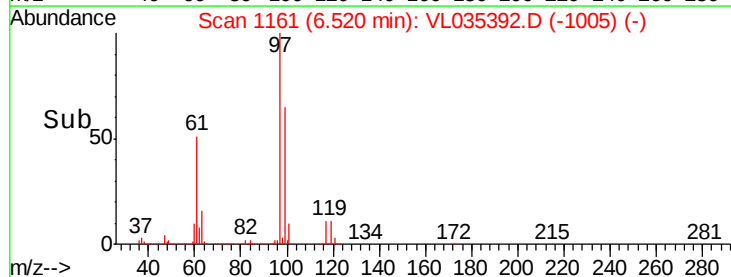
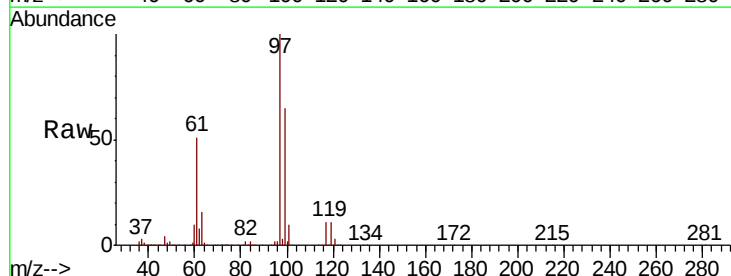
Tot Ion: 61 Resp: 1434301
 Ion Ratio Lower Upper
 61 100
 96 62.5 50.5 75.7
 98 41.9 31.5 47.3

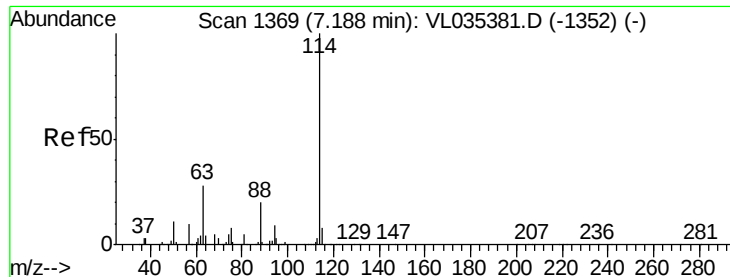


#32

1,1,1-Trichloroethane
 Concen: 8.537 ppbv
 RT: 6.52 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VL035392.D
 Acq: 12 Aug 2020 22:55

Tgt Ion: 97 Resp: 2110282
 Ion Ratio Lower Upper
 97 100
 99 64.9 51.8 77.8
 61 49.6 39.6 59.4

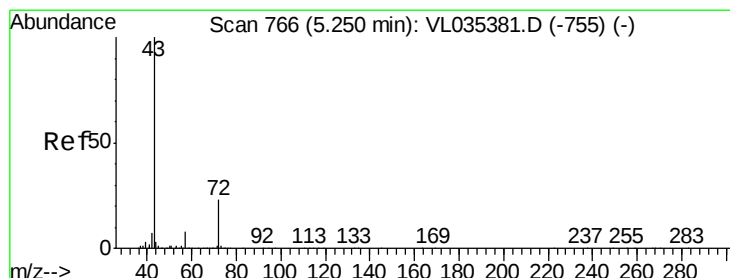
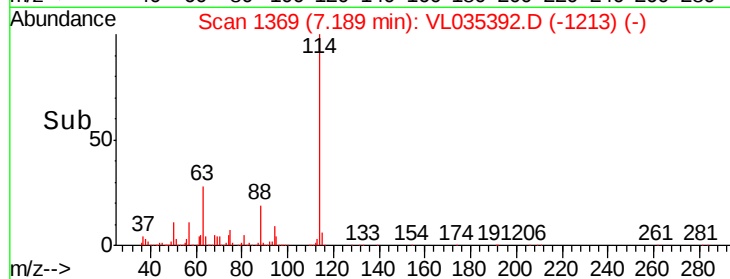
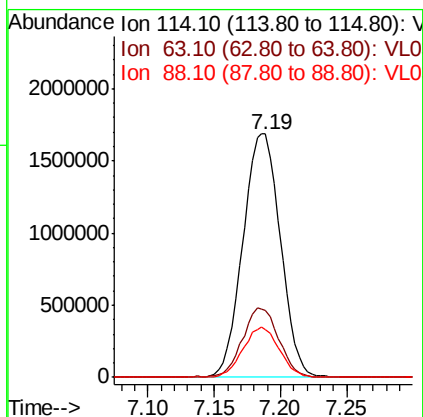
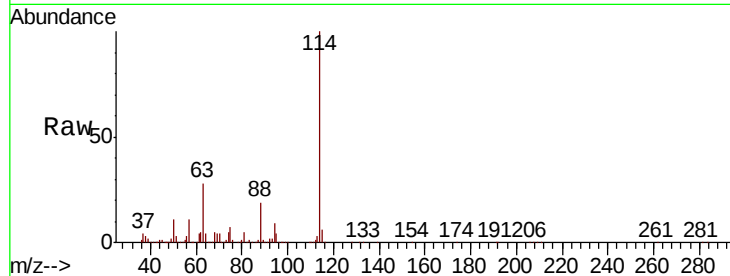




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: VL035392.D
 Acq: 12 Aug 2020 22:55

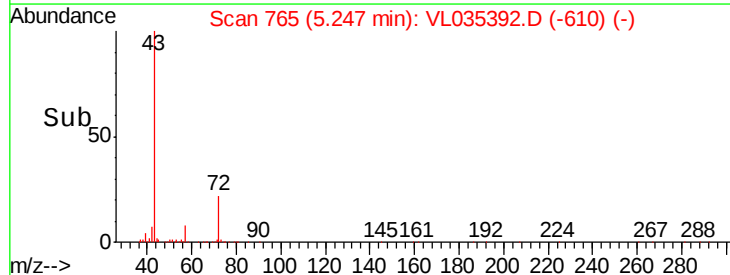
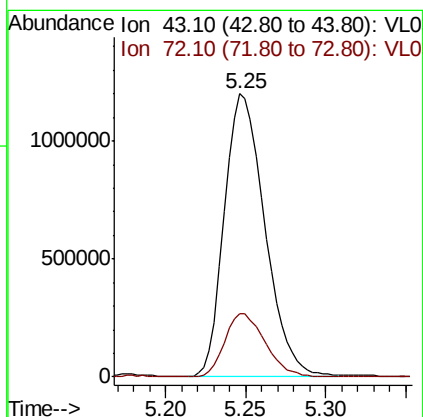
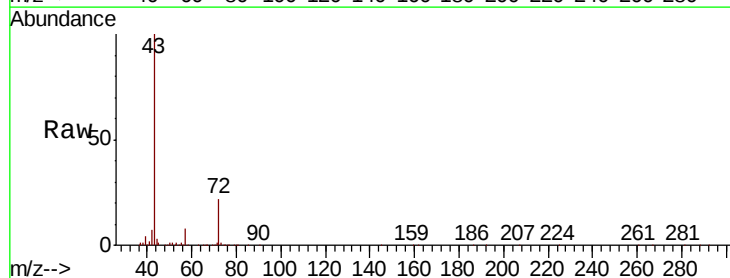
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0812ABS01

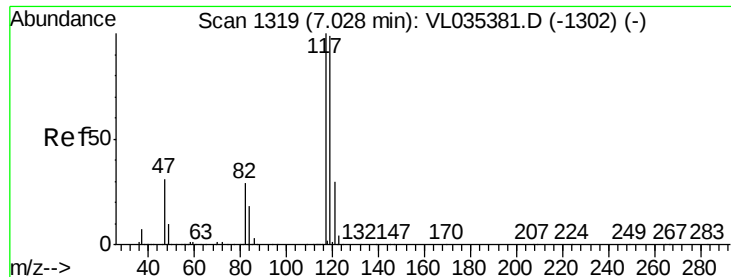
Tot Ion:114 Resp: 3324418
 Ion Ratio Lower Upper
 114 100
 63 27.9 21.5 32.3
 88 19.9 15.6 23.4



#34
 2-Butanone
 Concen: 8.781 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: VL035392.D
 Acq: 12 Aug 2020 22:55

Tgt Ion: 43 Resp: 2080259
 Ion Ratio Lower Upper
 43 100
 72 22.4 17.7 26.5





#35

Carbon Tetrachloride

Concen: 8.963 ppbv

RT: 7.03 min Scan# 1319

Delta R.T. 0.00 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

Instrument :

MSVOA_L

ClientSampleId :

VL0812ABS01

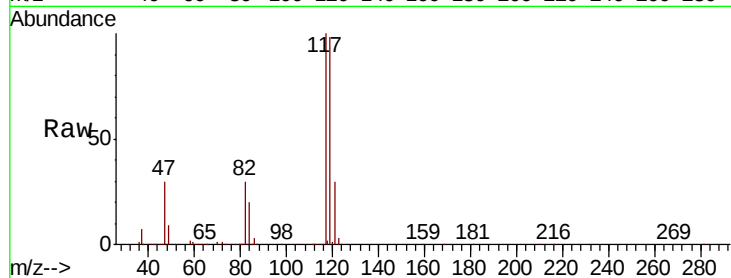
Tot Ion:117 Resp: 2071242

Ion Ratio Lower Upper

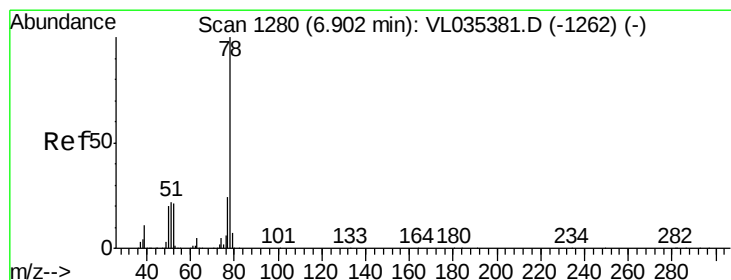
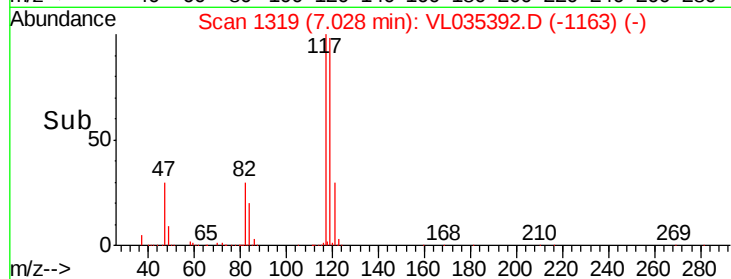
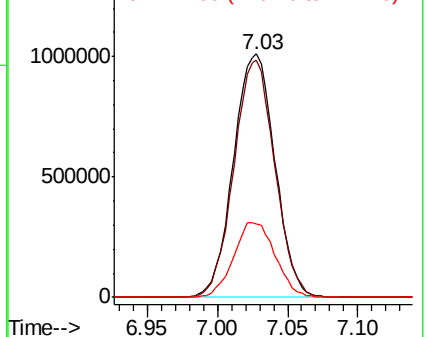
117 100

119 97.7 79.4 119.0

121 30.4 24.3 36.5



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: 8.851 ppbv

RT: 6.90 min Scan# 1279

Delta R.T. -0.00 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

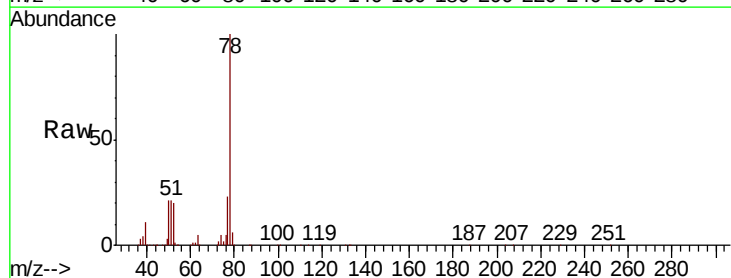
Tgt Ion: 78 Resp: 2821693

Ion Ratio Lower Upper

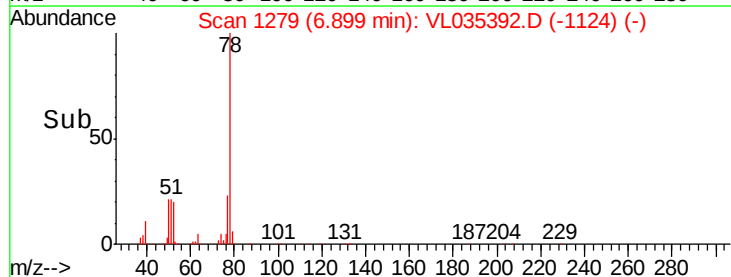
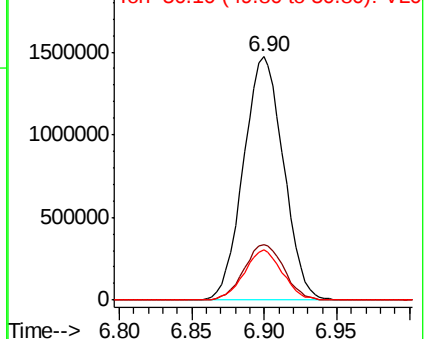
78 100

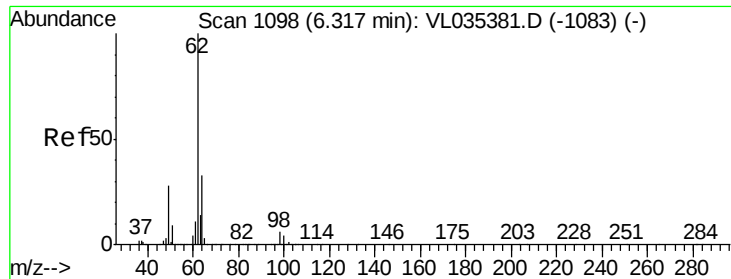
77 22.6 19.1 28.7

50 20.6 15.8 23.6



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: 9.363 ppbv

RT: 6.31 min Scan# 1097

Delta R.T. -0.00 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

Instrument :

MSVOA_L

ClientSampleId :

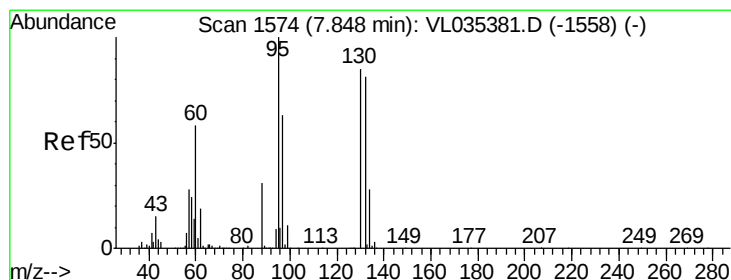
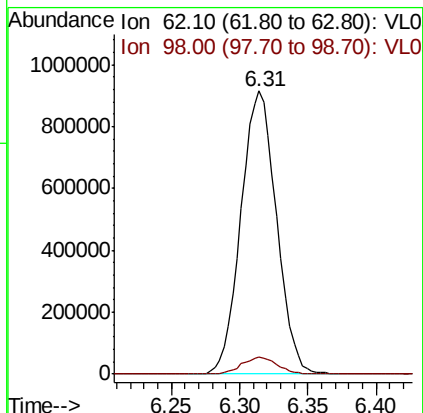
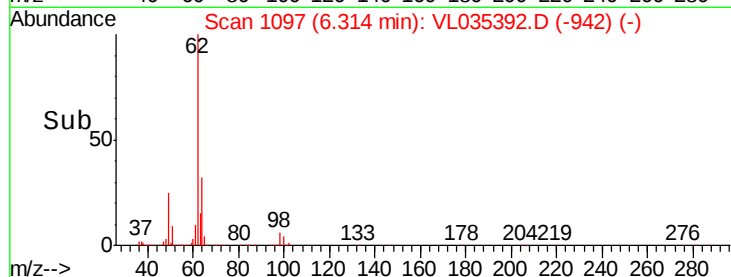
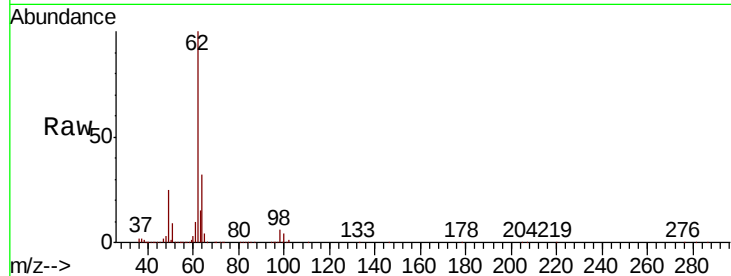
VL0812ABS01

Tot Ion: 62 Resp: 1656856

Ion Ratio Lower Upper

62 100

98 6.0 5.1 7.7



#38

Trichloroethene

Concen: 7.978 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

Tgt Ion:130 Resp: 996708

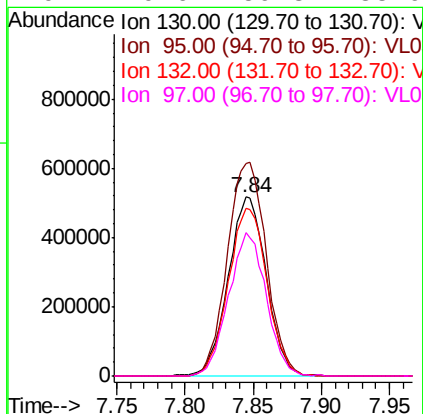
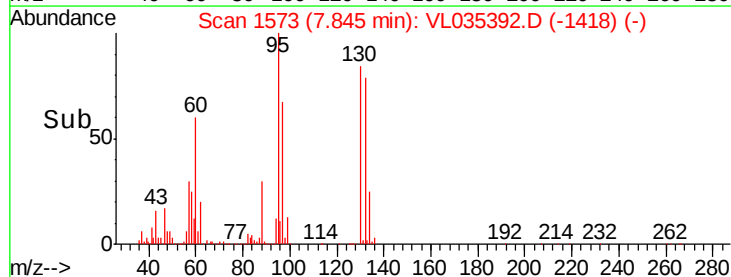
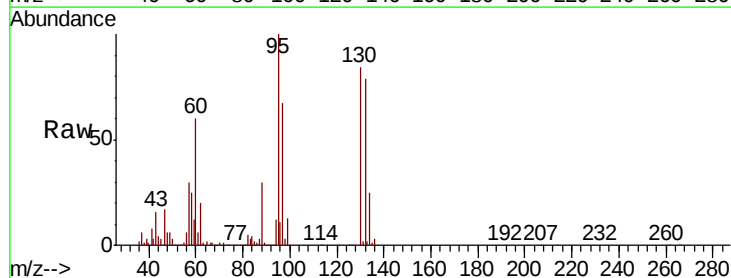
Ion Ratio Lower Upper

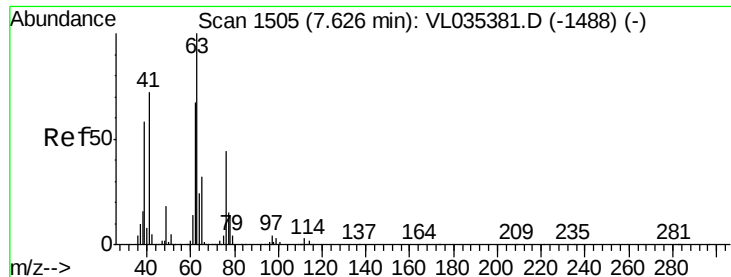
130 100

95 118.7 94.2 141.4

132 93.5 76.6 114.8

97 79.6 59.3 88.9



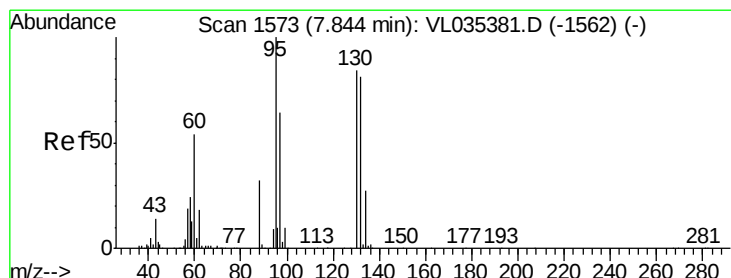
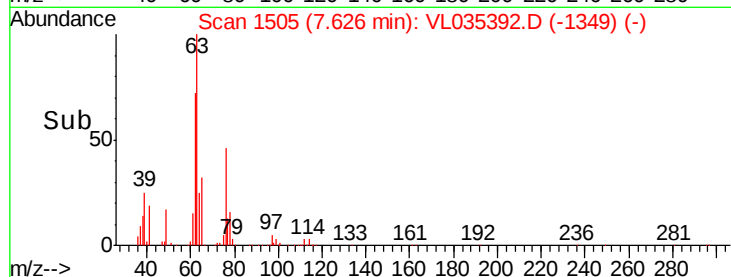
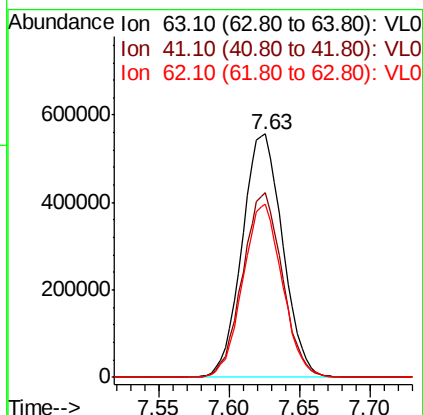
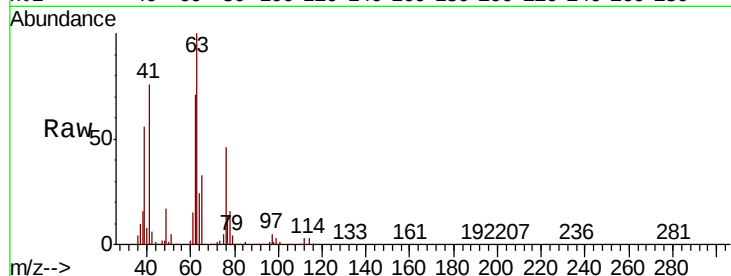


#39
 1,2-Dichloropropane
 Concen: 8.893 ppbv
 RT: 7.63 min Scan# 1505
 Delta R.T. 0.00 min
 Lab File: VL035392.D
 Acq: 12 Aug 2020 22:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0812ABS01

Tot Ion: 63 Resp: 1122634

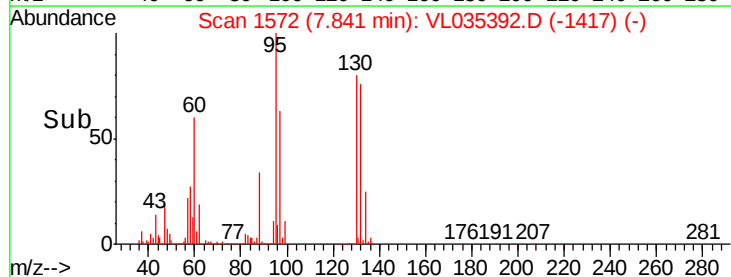
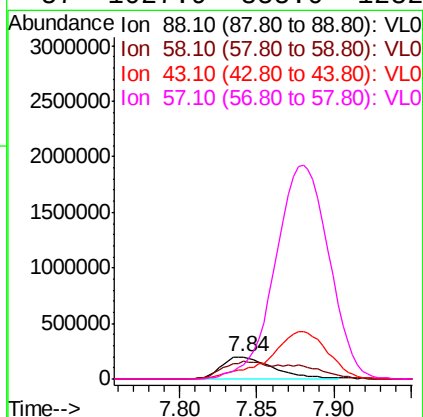
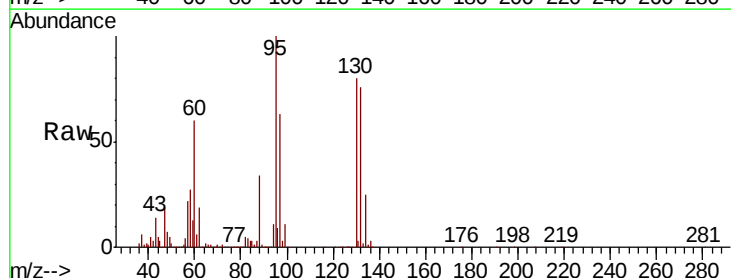
Ion	Ratio	Lower	Upper
63	100		
41	75.7	57.4	86.2
62	71.3	53.6	80.4

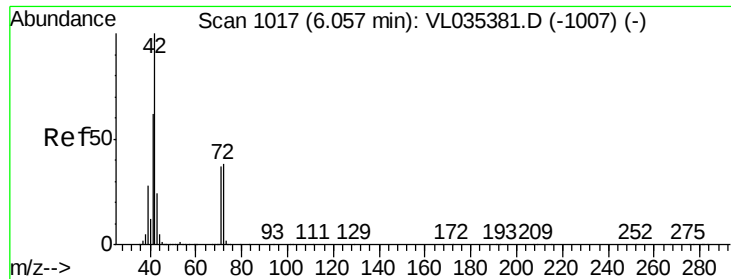


#40
 1,4-Dioxane
 Concen: 8.832 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VL035392.D
 Acq: 12 Aug 2020 22:55

Tgt Ion: 88 Resp: 454059

Ion	Ratio	Lower	Upper
88	100		
58	128.0	105.0	157.6
43	247.9	204.2	306.2
57	1027.9	855.0	1282.4





#41

Tetrahydrofuran

Concen: 8.763 ppbv

RT: 6.05 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

Instrument :

MSVOA_L

ClientSampleId :

VL0812ABS01

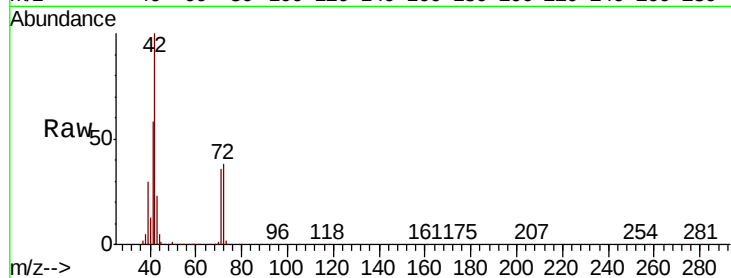
Tot Ion: 42 Resp: 1238564

Ion Ratio Lower Upper

42 100

72 38.3 30.2 45.2

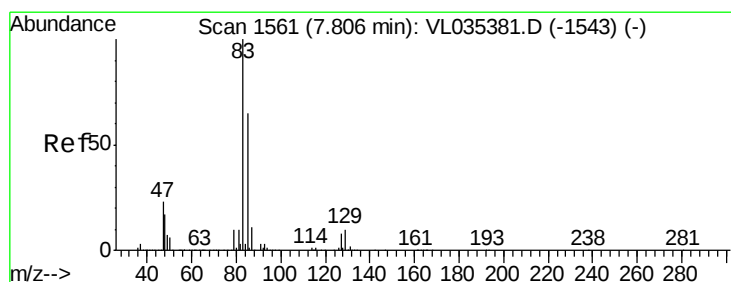
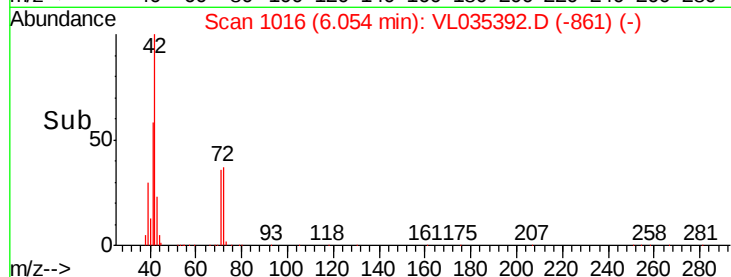
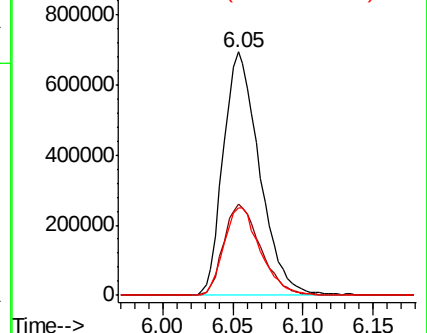
71 36.8 28.6 42.8



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: 9.211 ppbv

RT: 7.80 min Scan# 1559

Delta R.T. -0.01 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

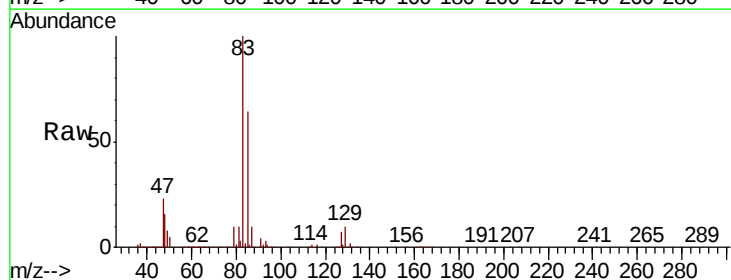
Tgt Ion: 83 Resp: 2295941

Ion Ratio Lower Upper

83 100

85 64.0 52.2 78.4

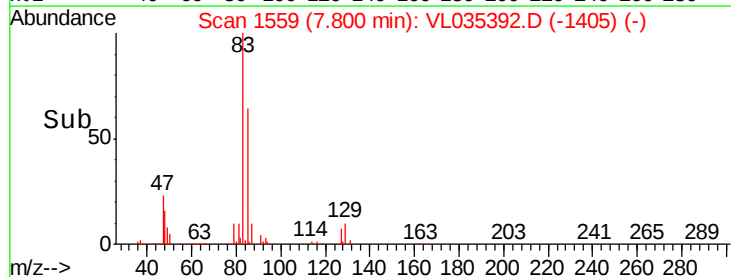
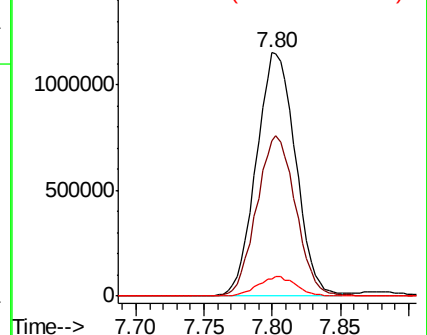
127 7.2 6.3 9.5

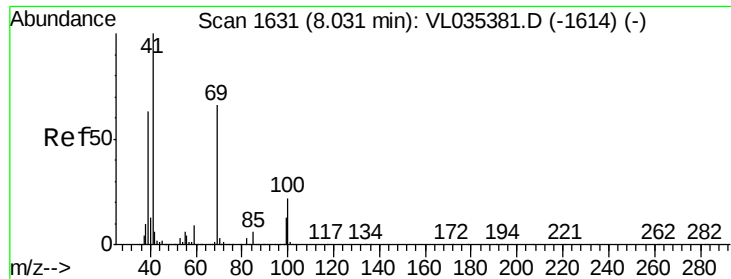


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 9.045 ppbv

RT: 8.02 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

Instrument :

MSVOA_L

ClientSampleId :

VL0812ABS01

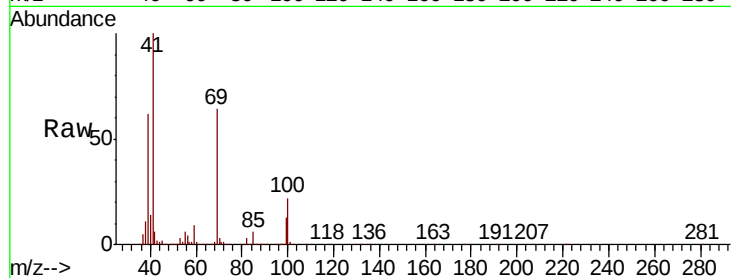
Tot Ion: 69 Resp: 1279194

Ion Ratio Lower Upper

69 100

41 153.4 123.4 185.2

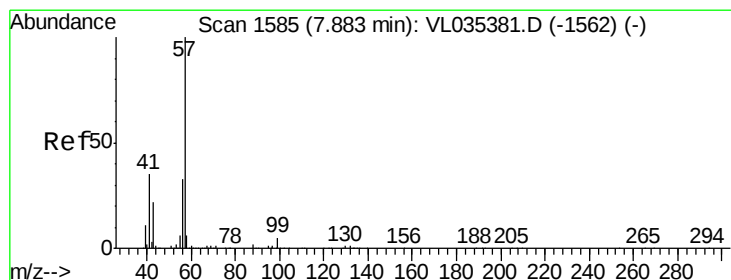
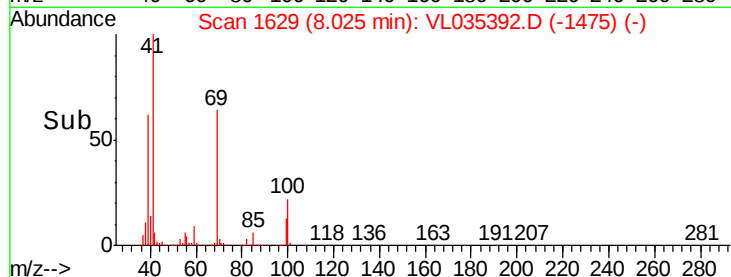
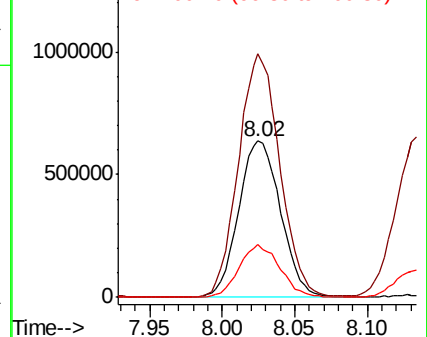
100 32.9 26.7 40.1



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: 8.497 ppbv

RT: 7.88 min Scan# 1584

Delta R.T. -0.00 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

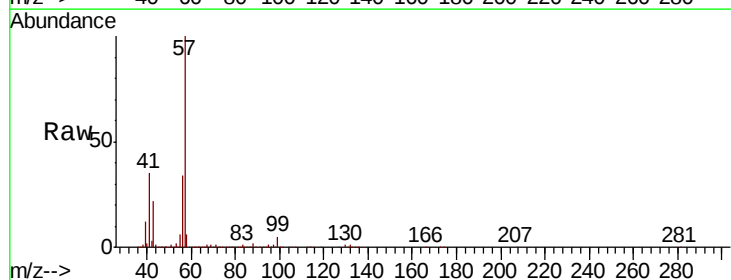
Tgt Ion: 57 Resp: 4659971

Ion Ratio Lower Upper

57 100

41 33.9 26.9 40.3

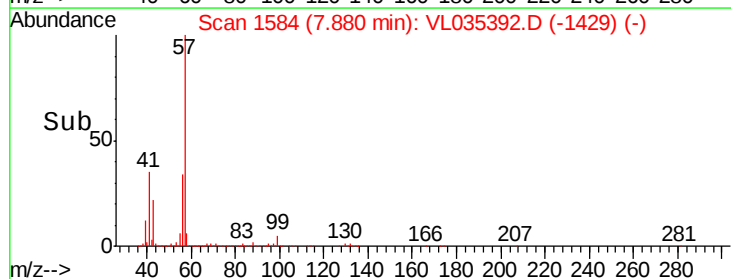
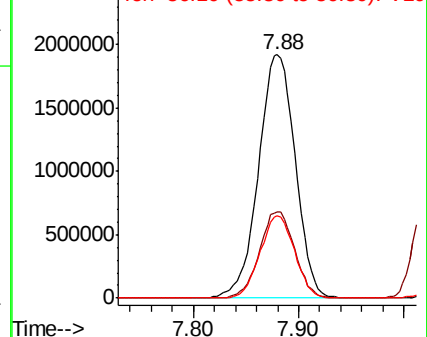
56 31.9 25.6 38.4

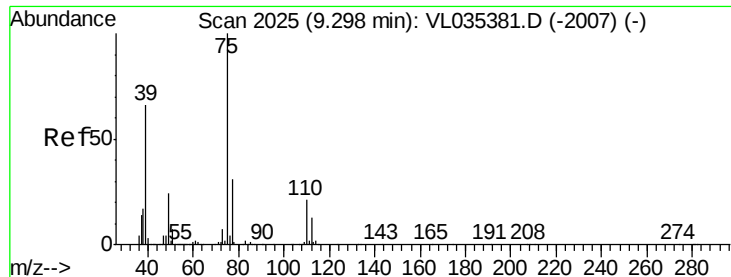


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 9.431 ppbv

RT: 9.29 min Scan# 2023

Delta R.T. -0.01 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

Instrument :

MSVOA_L

ClientSampleId :

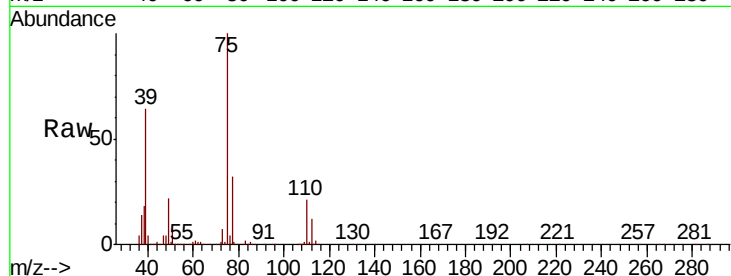
VL0812ABS01

Tot Ion: 75 Resp: 1547547

Ion Ratio Lower Upper

75 100

77 31.9 25.2 37.8



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.29

800000

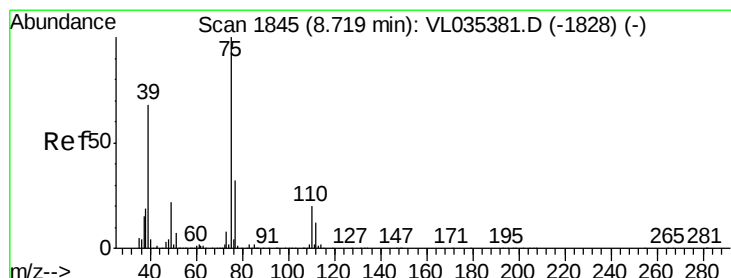
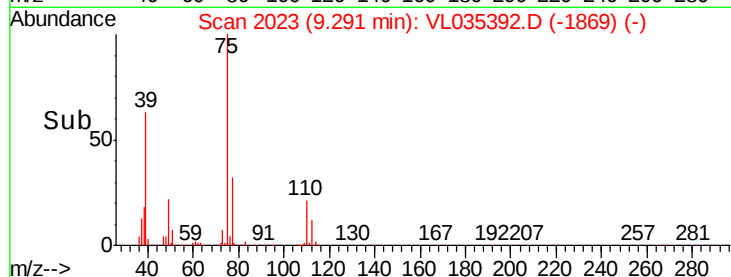
600000

400000

200000

0

Time--> 9.20 9.25 9.30 9.35



#46

cis-1,3-Dichloropropene

Concen: 9.164 ppbv

RT: 8.72 min Scan# 1845

Delta R.T. 0.00 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

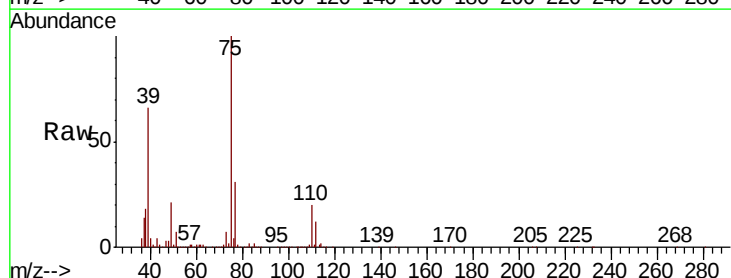
Tgt Ion: 75 Resp: 1756402

Ion Ratio Lower Upper

75 100

39 66.3 54.2 81.2

77 31.2 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

1200000

1000000

800000

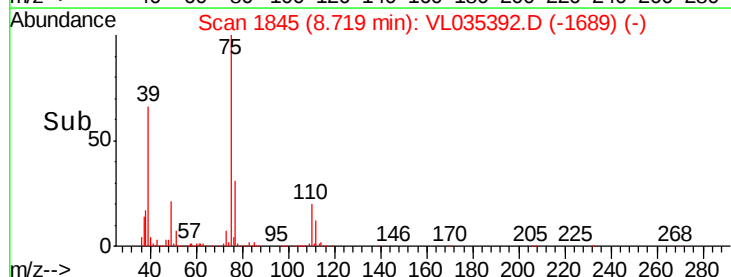
600000

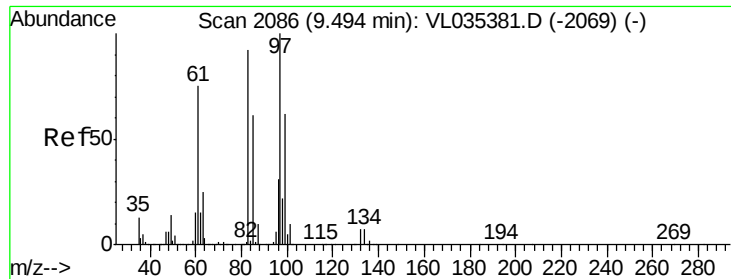
400000

200000

0

Time--> 8.65 8.70 8.75 8.80





#47

1,1,2-Trichloroethane

Concen: 9.052 ppbv

RT: 9.49 min Scan# 2085

Delta R.T. -0.00 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

Instrument :

MSVOA_L

ClientSampleId :

VL0812ABS01

Tot Ion: 97 Resp: 1158889

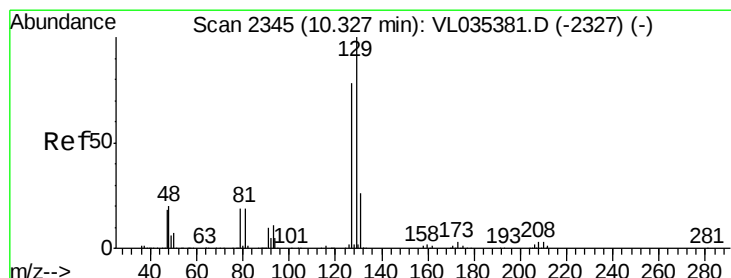
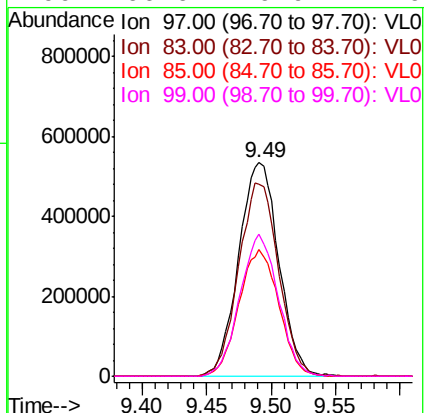
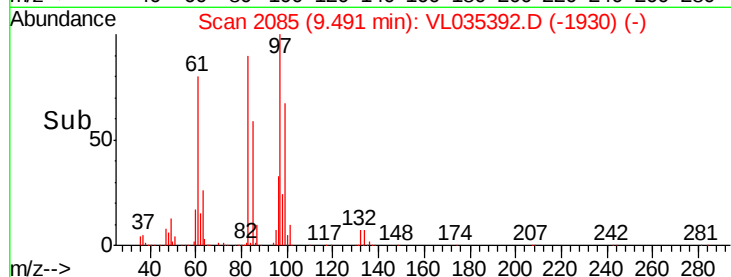
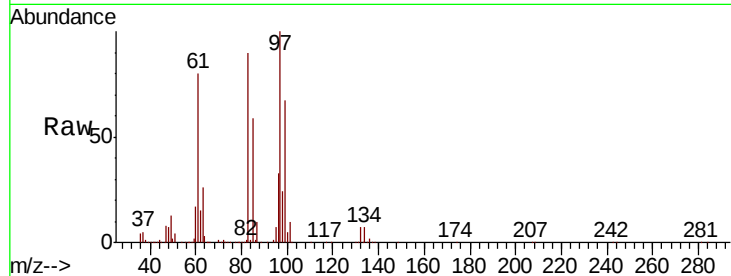
Ion Ratio Lower Upper

97 100

83 90.1 73.9 110.9

85 59.3 49.0 73.6

99 66.6 49.9 74.9



#48

Dibromochloromethane

Concen: 9.154 ppbv

RT: 10.32 min Scan# 2343

Delta R.T. -0.01 min

Lab File: VL035392.D

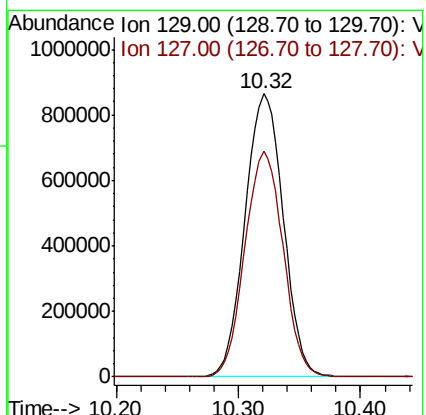
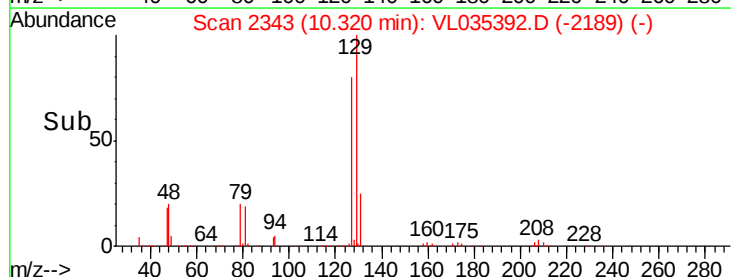
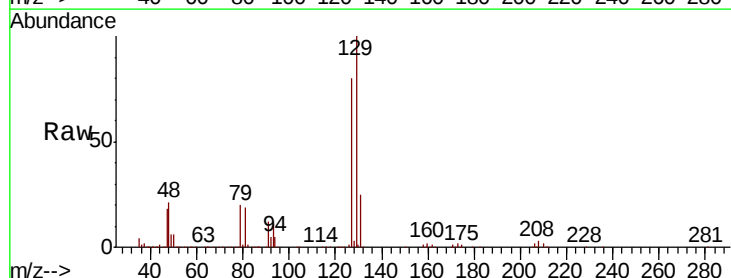
Acq: 12 Aug 2020 22:55

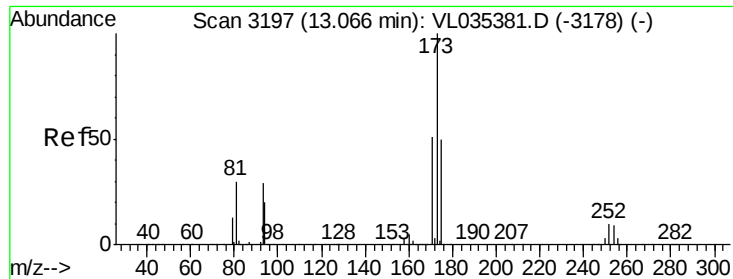
Tgt Ion: 129 Resp: 1873304

Ion Ratio Lower Upper

129 100

127 79.6 39.3 117.8





#49

Bromoform

Concen: 9.390 ppbv

RT: 13.06 min Scan# 3195

Delta R.T. -0.01 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

Instrument :

MSVOA_L

ClientSampleId :

VL0812ABS01

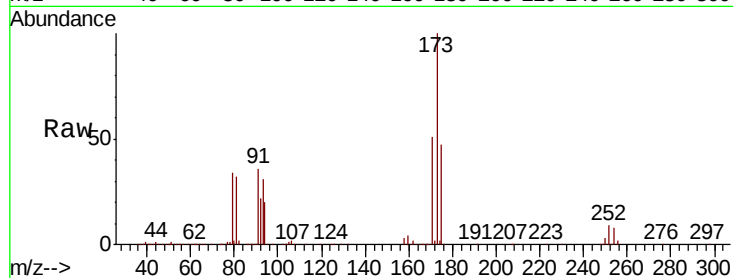
Tot Ion:173 Resp: 1575212

Ion Ratio Lower Upper

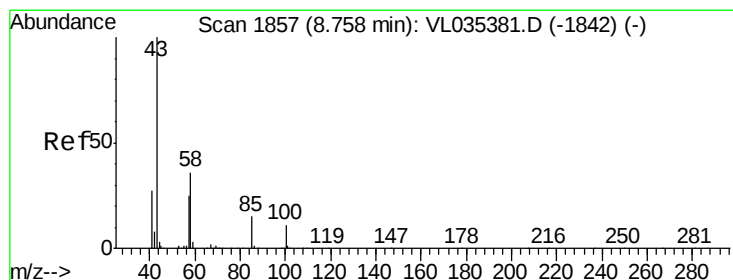
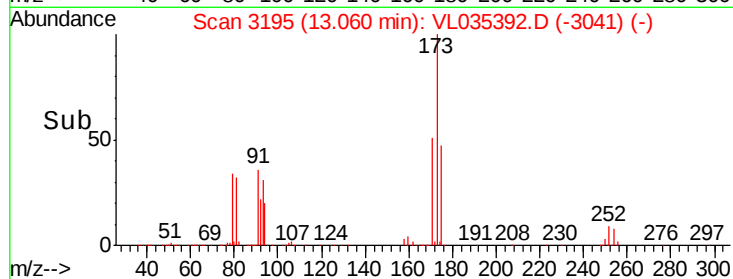
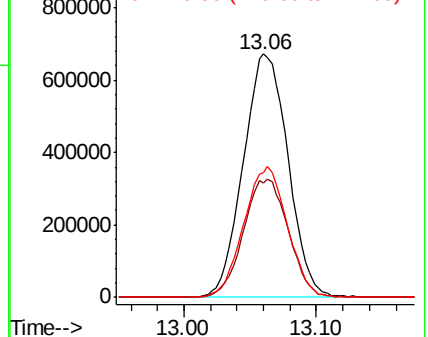
173 100

175 49.1 39.9 59.9

171 52.3 41.8 62.8



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: 8.647 ppbv

RT: 8.75 min Scan# 1856

Delta R.T. -0.00 min

Lab File: VL035392.D

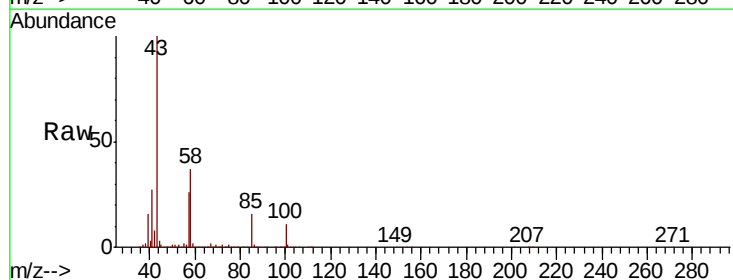
Acq: 12 Aug 2020 22:55

Tgt Ion: 43 Resp: 3087461

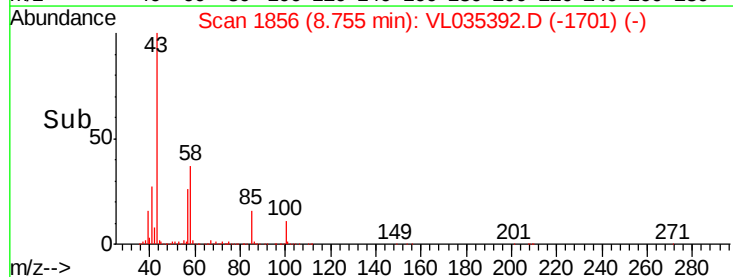
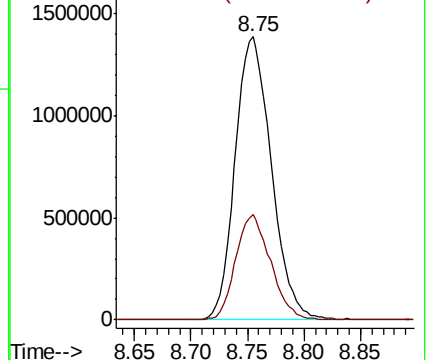
Ion Ratio Lower Upper

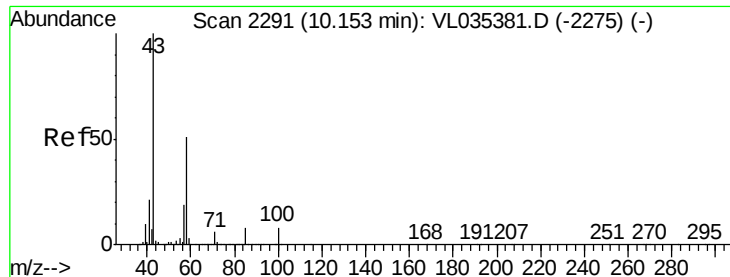
43 100

58 36.1 29.0 43.6



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





#51

2-Hexanone

Concen: 8.774 ppbv

RT: 10.15 min Scan# 2290

Delta R.T. -0.00 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

Instrument :

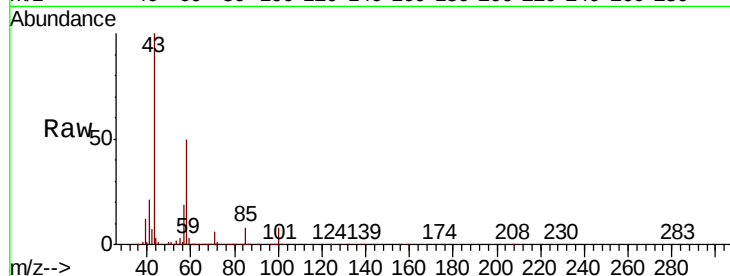
MSVOA_L

ClientSampleId :

VL0812ABS01

Tot Ion: 43 Resp: 2637528

Ion	Ratio	Lower	Upper
43	100		
58	48.9	39.5	59.3
98	0.1	0.1	0.1#

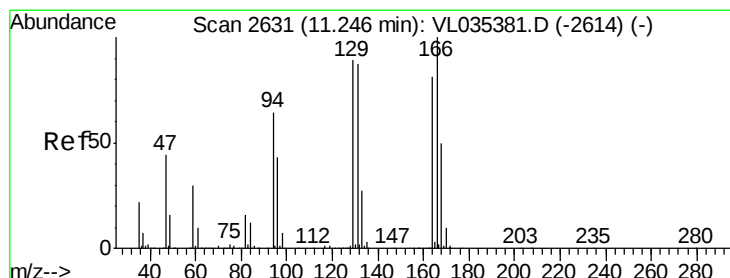
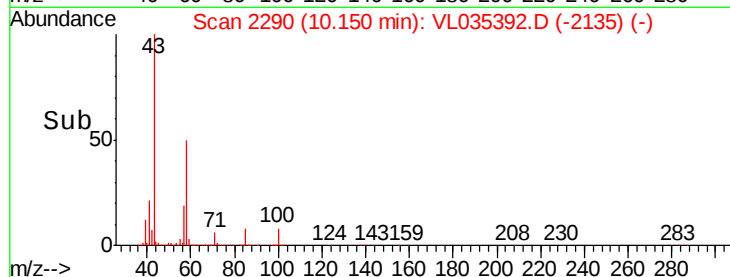
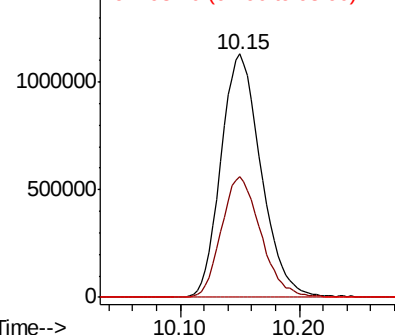


Abundance

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: 8.039 ppbv

RT: 11.24 min Scan# 2629

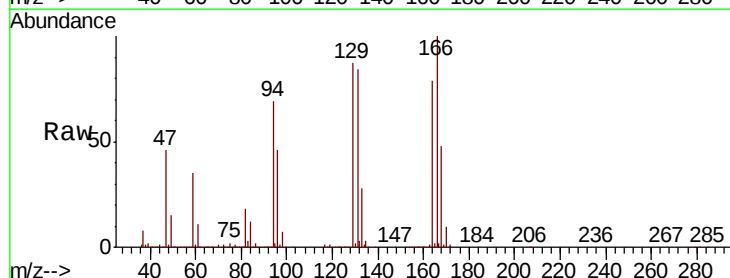
Delta R.T. -0.01 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

Tgt Ion: 164 Resp: 908713

Ion	Ratio	Lower	Upper
164	100		
166	127.1	98.2	147.2
129	110.7	87.3	130.9
131	107.3	85.7	128.5



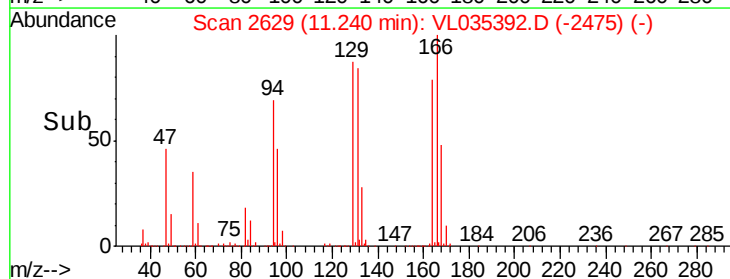
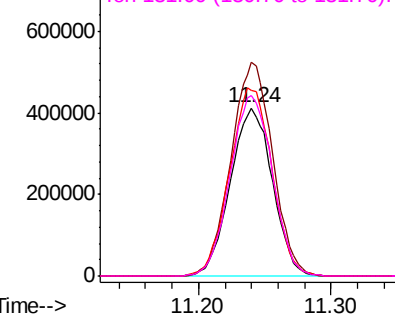
Abundance

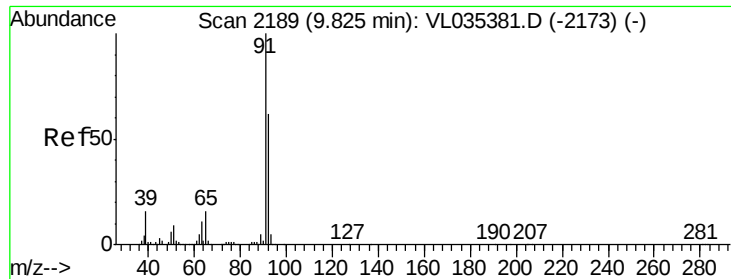
Ion 163.90 (163.60 to 164.60): V

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: 8.699 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. -0.01 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

Instrument :

MSVOA_L

ClientSampleId :

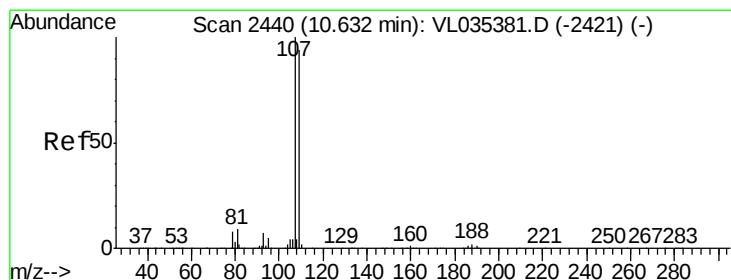
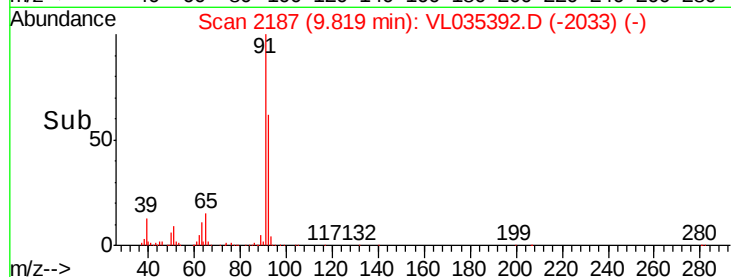
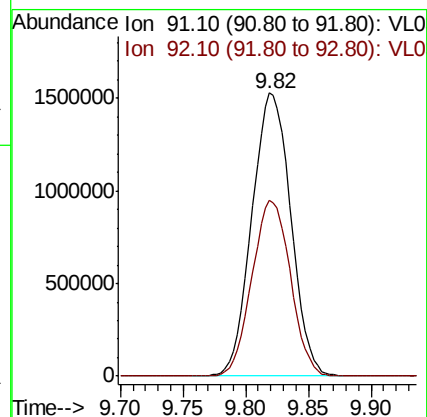
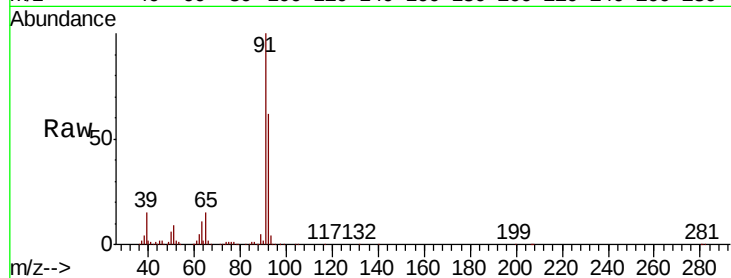
VL0812ABS01

Tot Ion: 91 Resp: 3291818

Ion Ratio Lower Upper

91 100

92 61.5 49.1 73.7



#54

1,2-Dibromoethane

Concen: 8.969 ppbv

RT: 10.63 min Scan# 2439

Delta R.T. -0.00 min

Lab File: VL035392.D

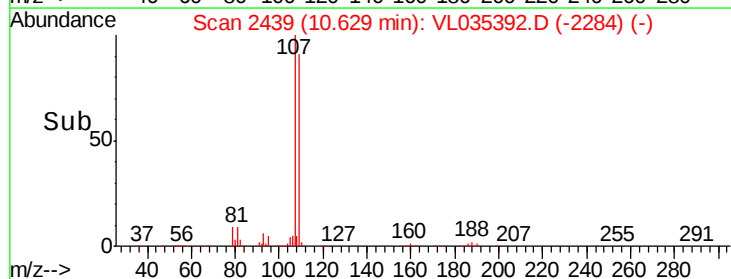
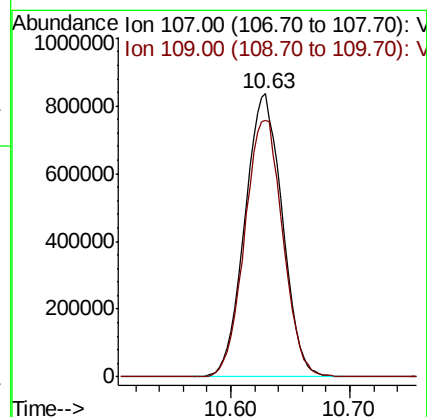
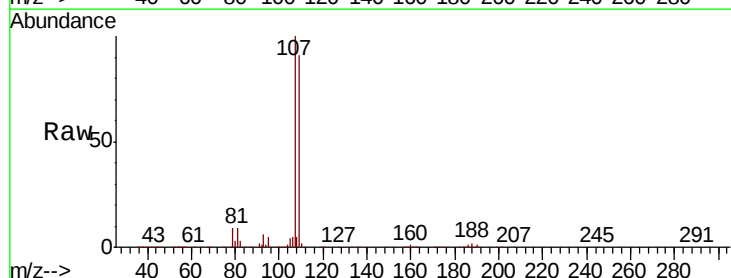
Acq: 12 Aug 2020 22:55

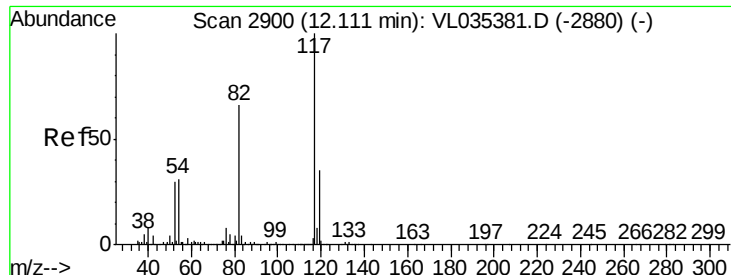
Tgt Ion: 107 Resp: 1818606

Ion Ratio Lower Upper

107 100

109 90.6 75.2 112.8





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2897

Delta R.T. -0.01 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

Instrument :

MSVOA_L

ClientSampleId :

VL0812ABS01

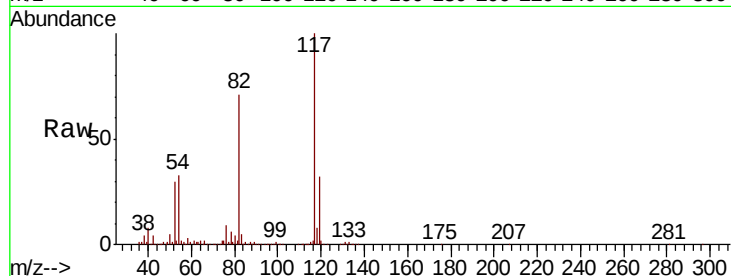
Tot Ion:117 Resp: 4034031

Ion Ratio Lower Upper

117 100

82 56.3 53.0 79.6

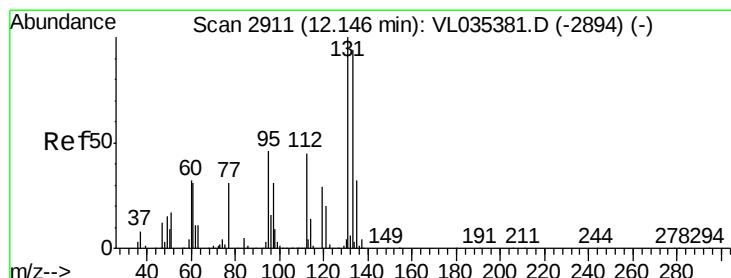
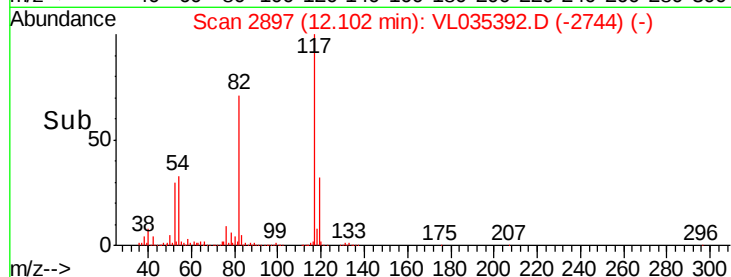
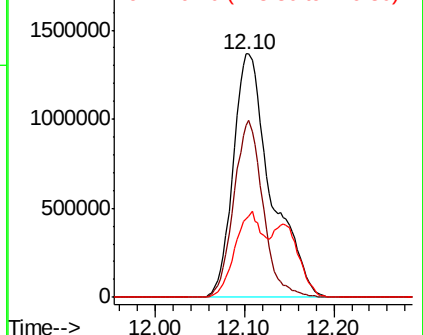
119 25.6 25.7 38.5#



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: 7.178 ppbv

RT: 12.15 min Scan# 2911

Delta R.T. 0.00 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

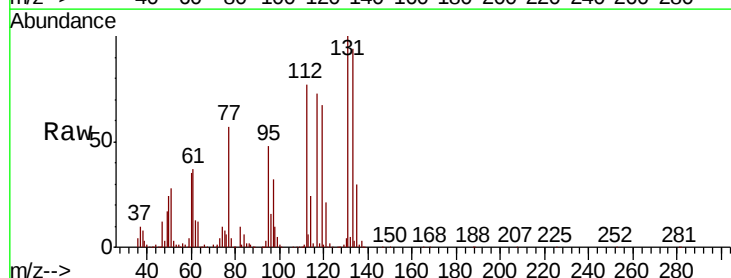
Tgt Ion:131 Resp: 1406952

Ion Ratio Lower Upper

131 100

133 93.5 76.1 114.1

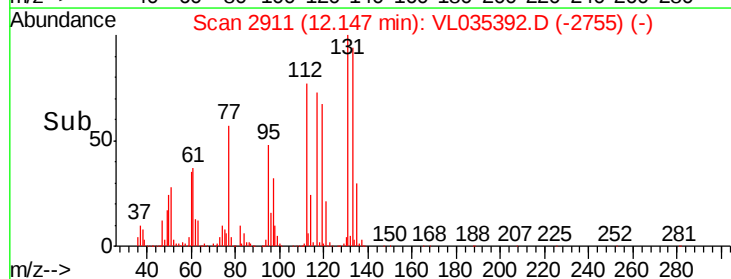
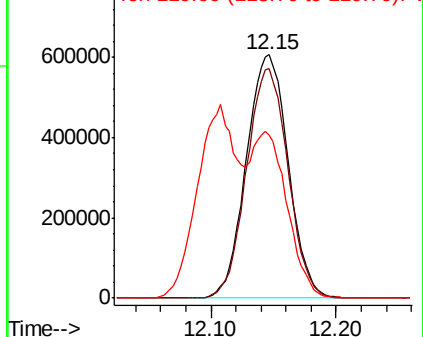
119 54.6 47.0 70.4

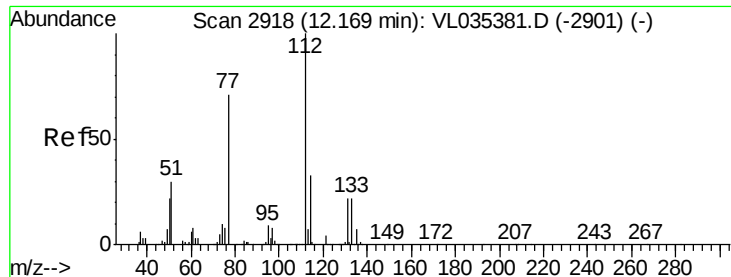


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 6.937 ppbv

RT: 12.17 min Scan# 2917

Delta R.T. -0.00 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

Instrument :

MSVOA_L

ClientSampleId :

VL0812ABS01

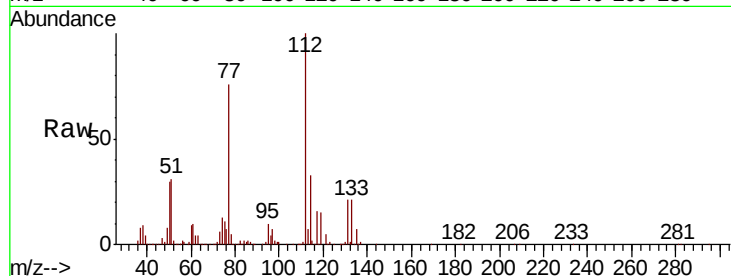
Tot Ion:112 Resp: 2385599

Ion Ratio Lower Upper

112 100

77 75.2 57.6 86.4

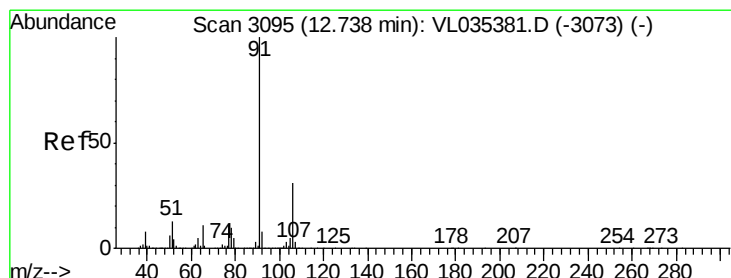
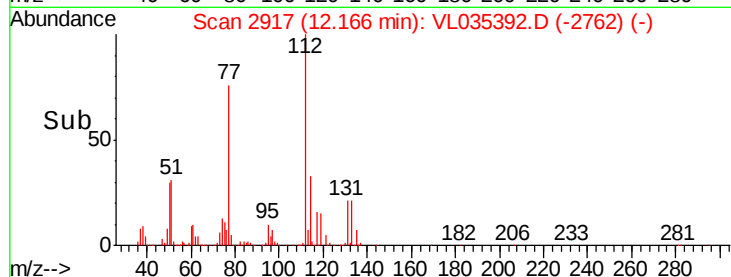
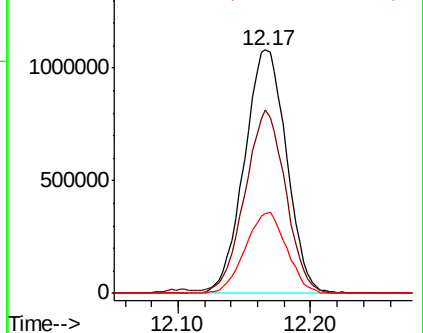
114 32.6 30.0 36.6



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: 7.017 ppbv

RT: 12.73 min Scan# 3092

Delta R.T. -0.01 min

Lab File: VL035392.D

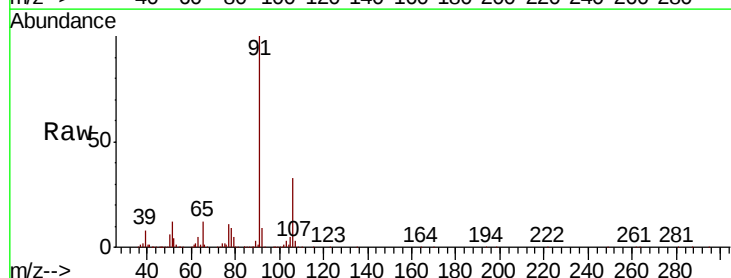
Acq: 12 Aug 2020 22:55

Tgt Ion: 91 Resp: 4473804

Ion Ratio Lower Upper

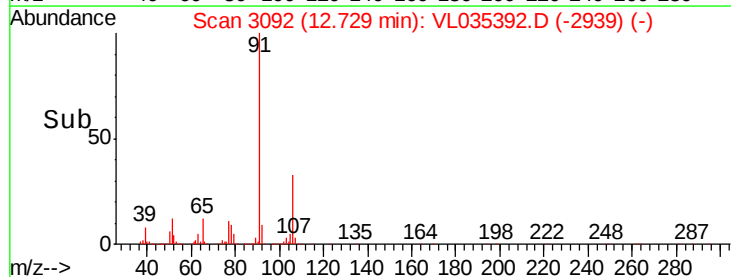
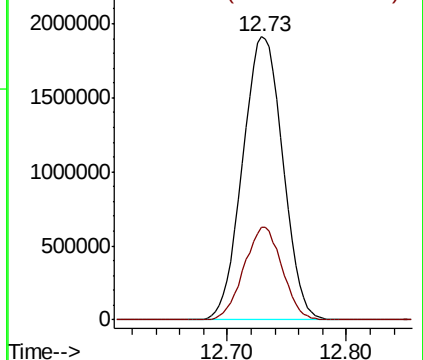
91 100

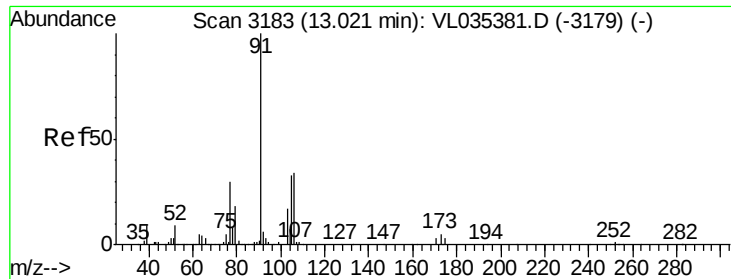
106 32.6 25.1 37.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 7.434 ppbv

RT: 13.02 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

Instrument :

MSVOA_L

ClientSampleId :

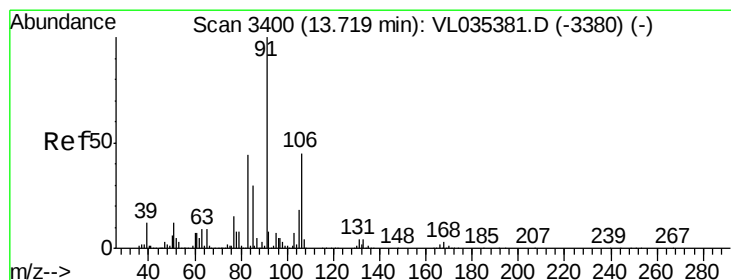
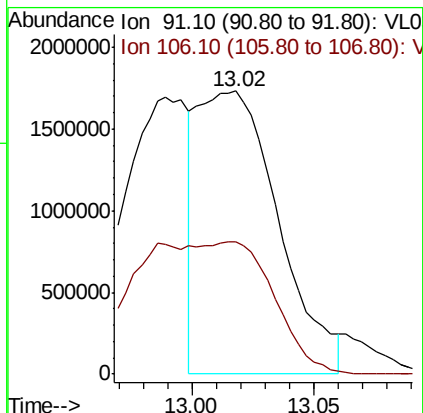
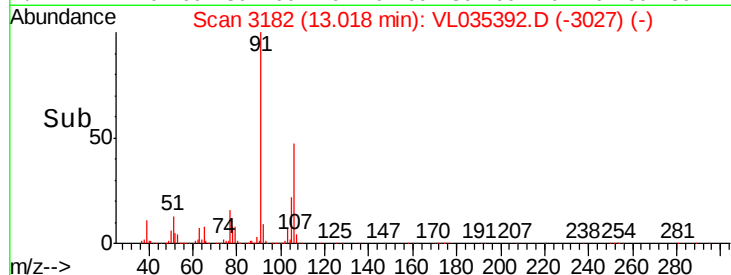
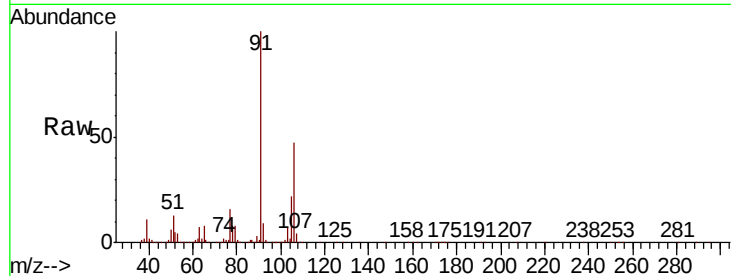
VL0812ABS01

Tot Ion: 91 Resp: 3952581

Ion Ratio Lower Upper

91 100

106 82.8 36.7 55.1#



#60

o-Xylene

Concen: 6.898 ppbv

RT: 13.72 min Scan# 3399

Delta R.T. -0.00 min

Lab File: VL035392.D

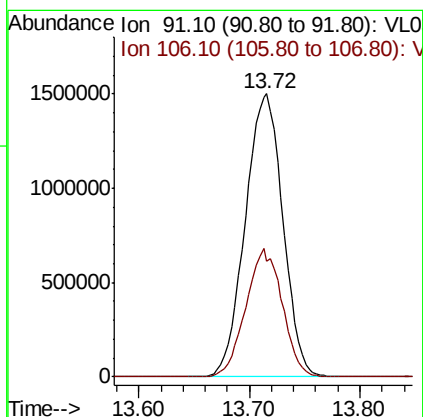
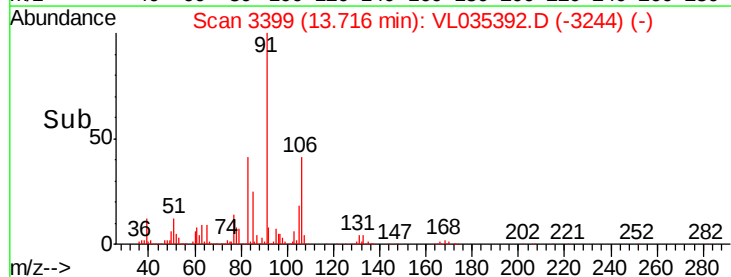
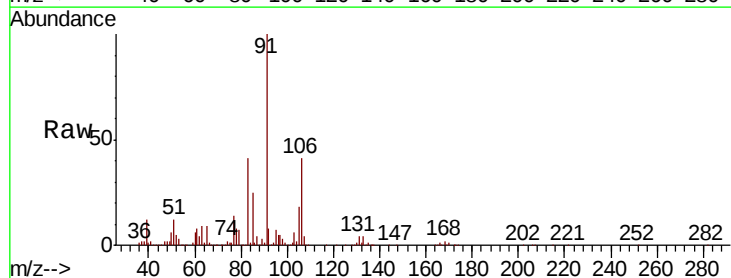
Acq: 12 Aug 2020 22:55

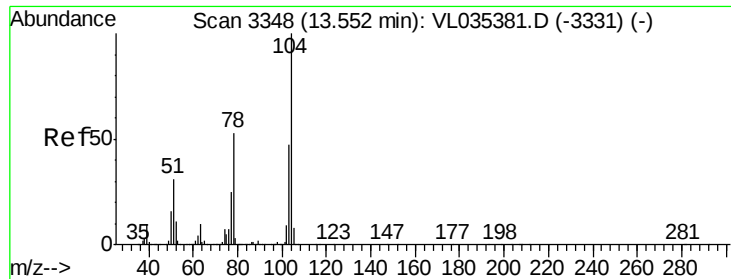
Tgt Ion: 91 Resp: 3551235

Ion Ratio Lower Upper

91 100

106 43.8 22.2 66.6





#61

Stvrene

Concen: 7.126 ppbv

RT: 13.55 min Scan# 3347

Delta R.T. -0.00 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

Instrument :

MSVOA_L

ClientSampleId :

VL0812ABS01

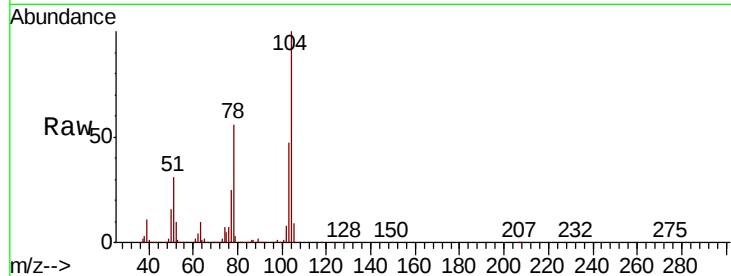
Tot Ion:104 Resp: 2708438

Ion Ratio Lower Upper

104 100

78 54.9 43.0 64.4

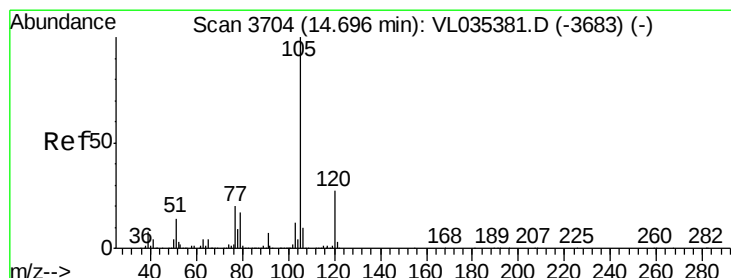
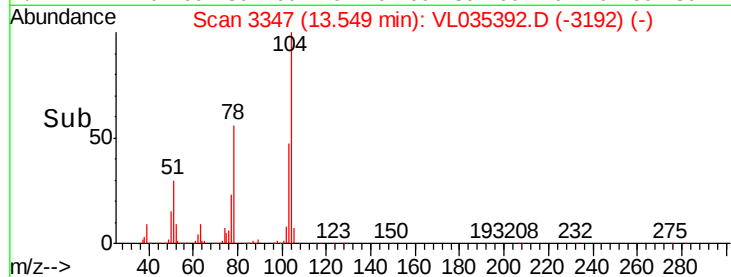
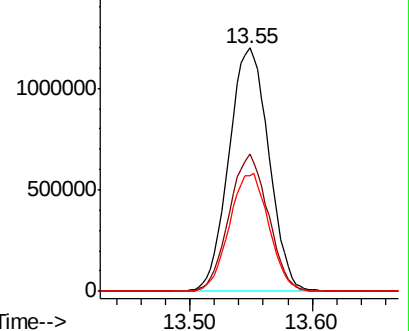
103 48.0 37.9 56.9



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: 6.863 ppbv

RT: 14.69 min Scan# 3702

Delta R.T. -0.01 min

Lab File: VL035392.D

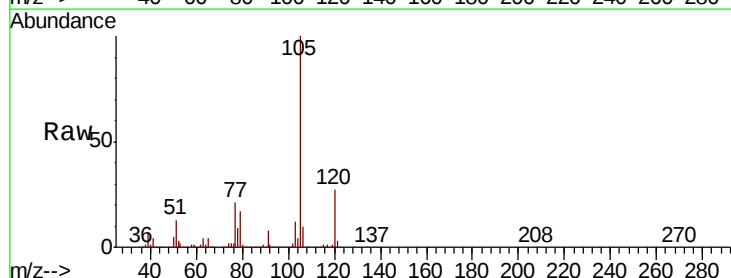
Acq: 12 Aug 2020 22:55

Tgt Ion:105 Resp: 5300441

Ion Ratio Lower Upper

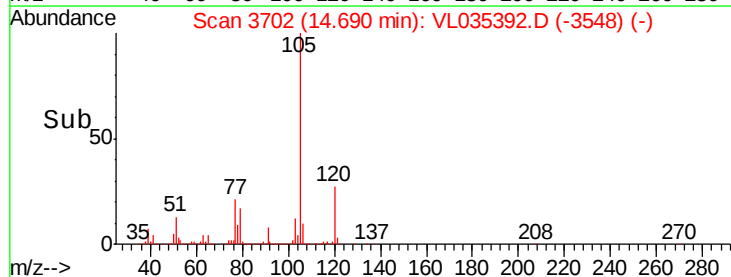
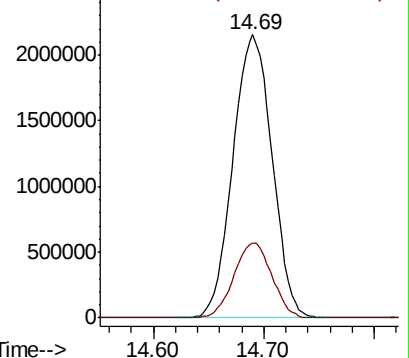
105 100

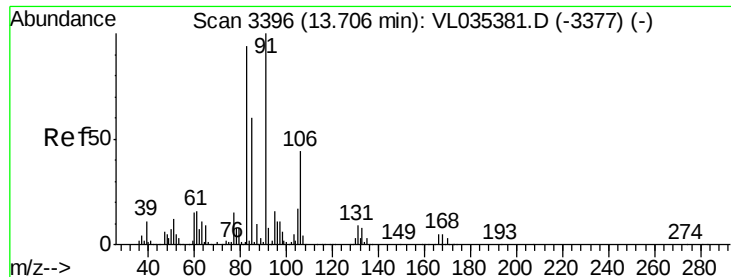
120 25.7 21.1 31.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

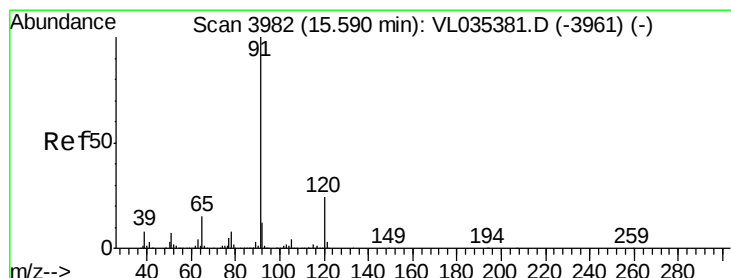
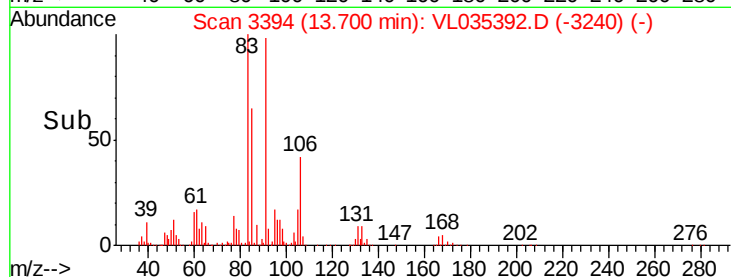
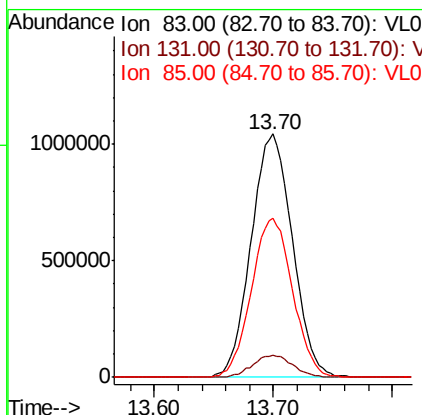
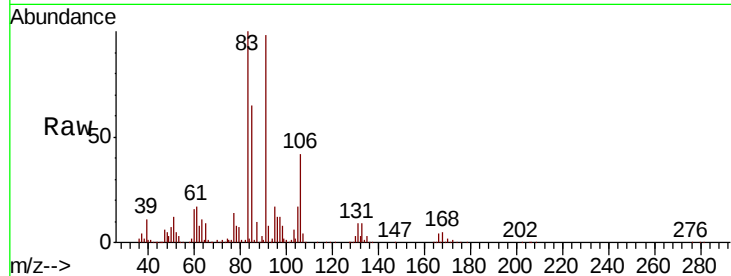




#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.665 ppbv
 RT: 13.70 min Scan# 3394
 Delta R.T. -0.01 min
 Lab File: VL035392.D
 Acq: 12 Aug 2020 22:55

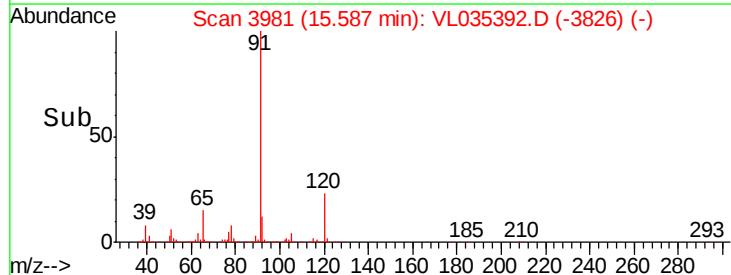
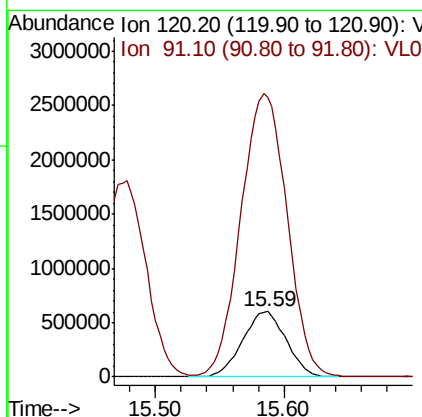
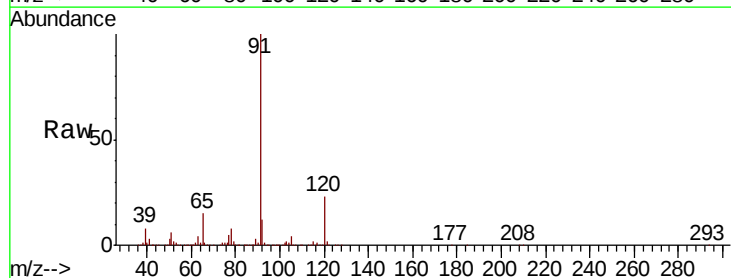
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0812ABS01

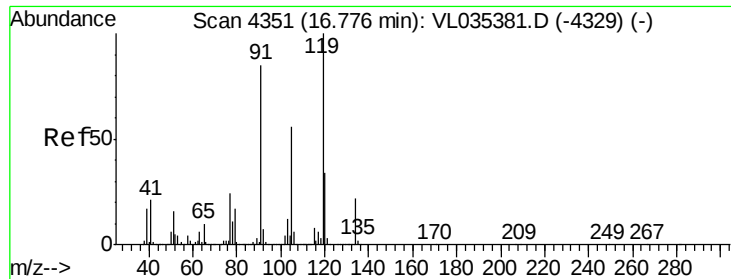
Tot Ion: 83 Resp: 2502893
 Ion Ratio Lower Upper
 83 100
 131 8.9 4.5 13.7
 85 65.3 32.4 97.0



#64
 n-propylbenzene
 Concen: 6.968 ppbv
 RT: 15.59 min Scan# 3981
 Delta R.T. -0.00 min
 Lab File: VL035392.D
 Acq: 12 Aug 2020 22:55

Tgt Ion:120 Resp: 1419518
 Ion Ratio Lower Upper
 120 100
 91 460.1 356.2 534.4

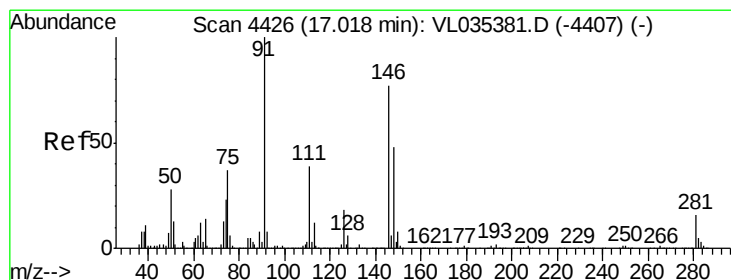
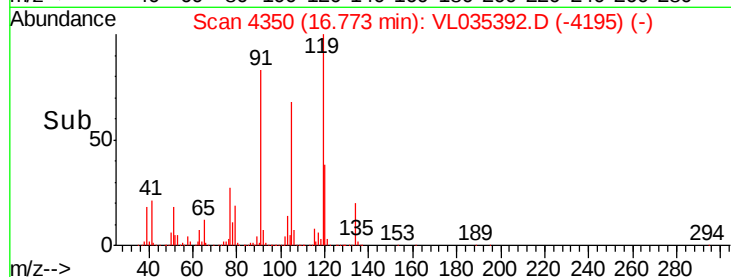
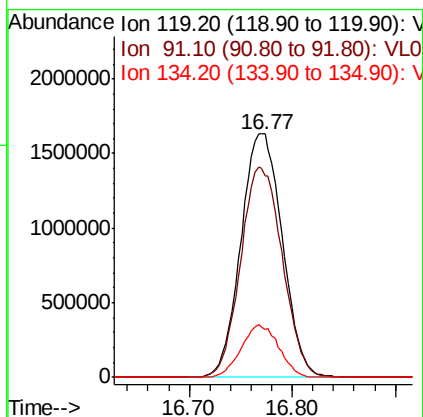
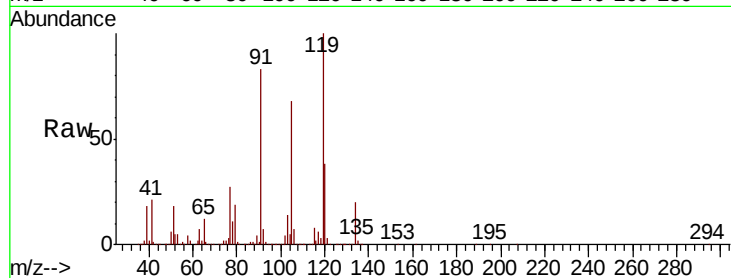




#65
tert-Butylbenzene
Concen: 6.686 ppbv
RT: 16.77 min Scan# 4350
Delta R.T. -0.00 min
Lab File: VL035392.D
Acq: 12 Aug 2020 22:55

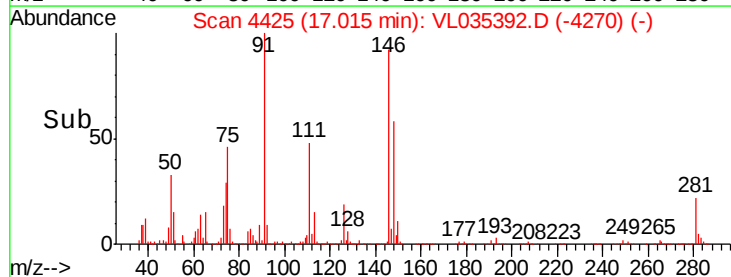
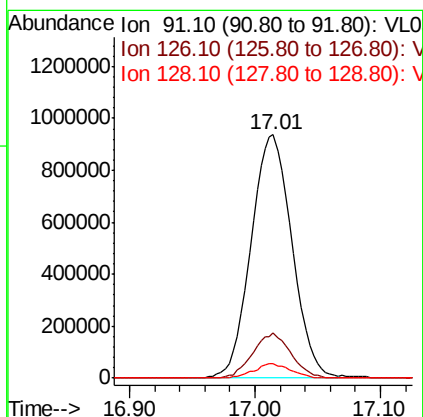
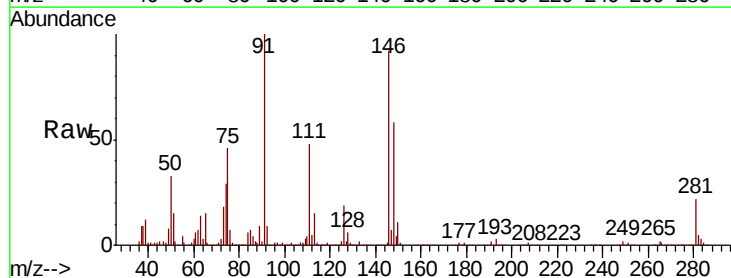
Instrument :
MSVOA_L
ClientSampleId :
VL0812ABS01

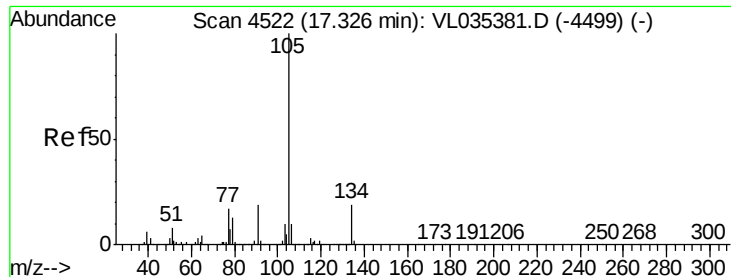
Tot Ion:119 Resp: 4545793
Ion Ratio Lower Upper
119 100
91 87.1 68.2 102.4
134 19.7 16.2 24.4



#66
Benzyl Chloride
Concen: 6.903 ppbv
RT: 17.01 min Scan# 4425
Delta R.T. -0.00 min
Lab File: VL035392.D
Acq: 12 Aug 2020 22:55

Tgt Ion: 91 Resp: 2119654
Ion Ratio Lower Upper
91 100
126 17.6 14.4 21.6
128 5.4 4.6 7.0

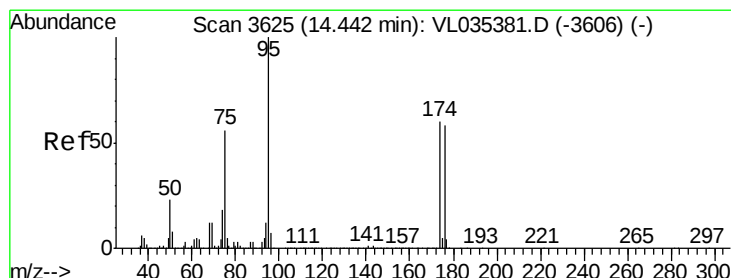
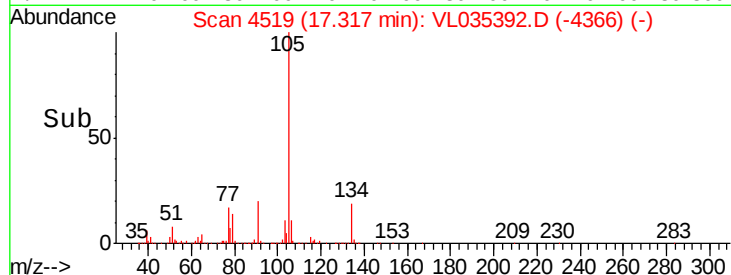
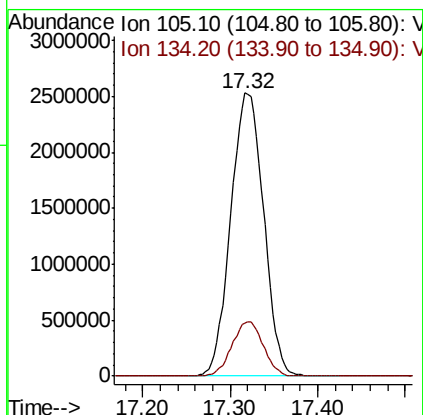
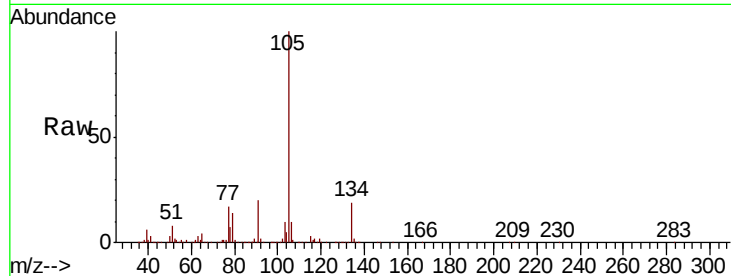




#67
 sec-Butylbenzene
 Concen: 6.739 ppbv
 RT: 17.32 min Scan# 4519
 Delta R.T. -0.01 min
 Lab File: VL035392.D
 Acq: 12 Aug 2020 22:55

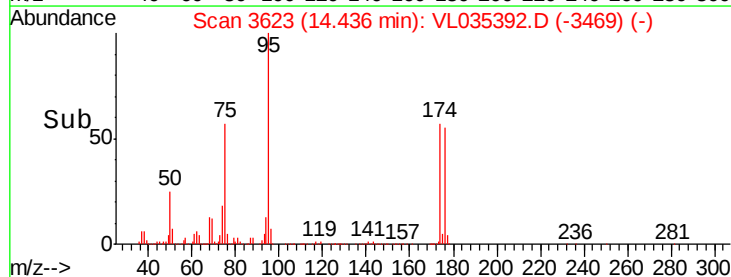
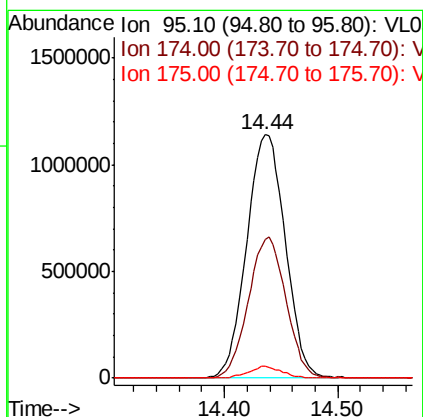
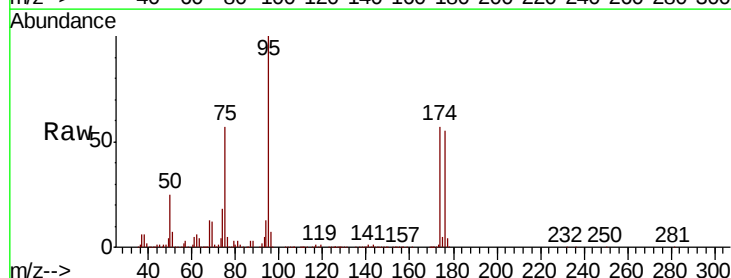
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0812ABS01

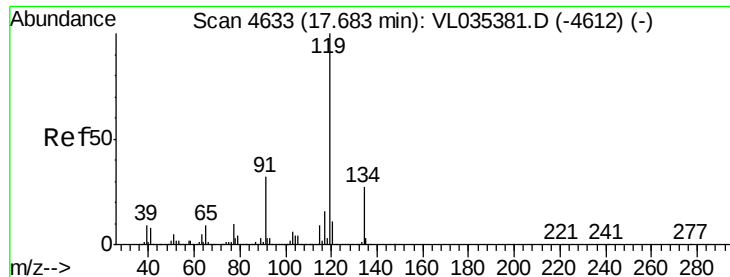
Tot Ion: 105 Resp: 6604918
 Ion Ratio Lower Upper
 105 100
 134 18.3 15.0 22.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.319 ppbv
 RT: 14.44 min Scan# 3623
 Delta R.T. -0.01 min
 Lab File: VL035392.D
 Acq: 12 Aug 2020 22:55

Tgt Ion: 95 Resp: 2709614
 Ion Ratio Lower Upper
 95 100
 174 56.5 48.2 72.2
 175 4.2 3.7 5.5

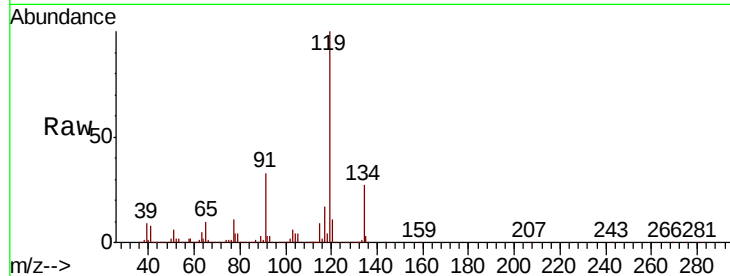




#69
 p-Isopropyltoluene
 Concen: 6.750 ppbv
 RT: 17.68 min Scan# 4632
 Delta R.T. -0.00 min
 Lab File: VL035392.D
 Acq: 12 Aug 2020 22:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0812ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.8	20.9	31.3
91	32.8	25.3	37.9

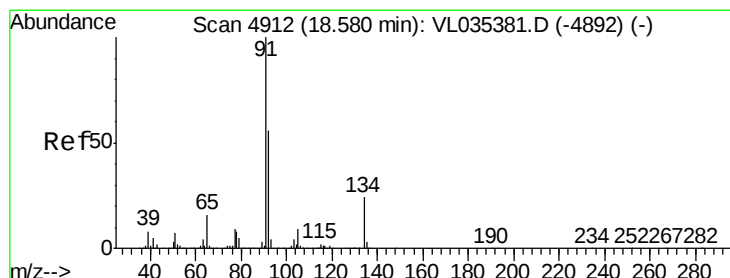
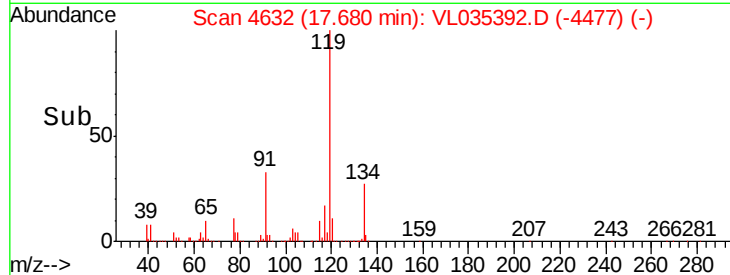
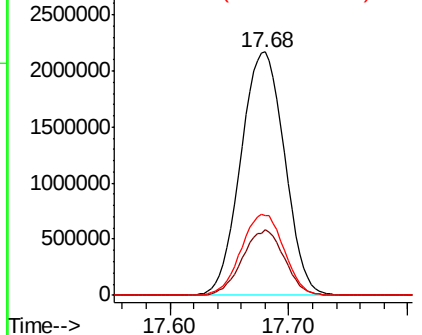


Abundance

Ion 119.10 (118.80 to 119.80): V

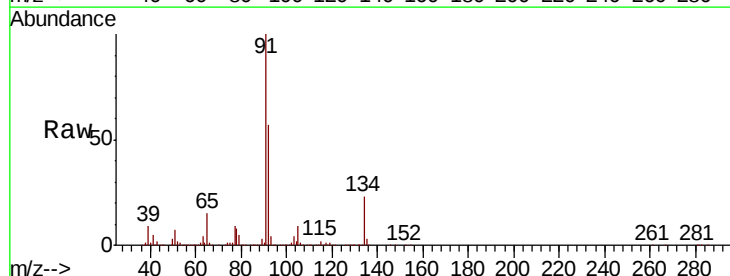
Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70
 n-Butylbenzene
 Concen: 6.814 ppbv
 RT: 18.57 min Scan# 4910
 Delta R.T. -0.01 min
 Lab File: VL035392.D
 Acq: 12 Aug 2020 22:55

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.0	45.0	67.6
134	22.3	18.8	28.2

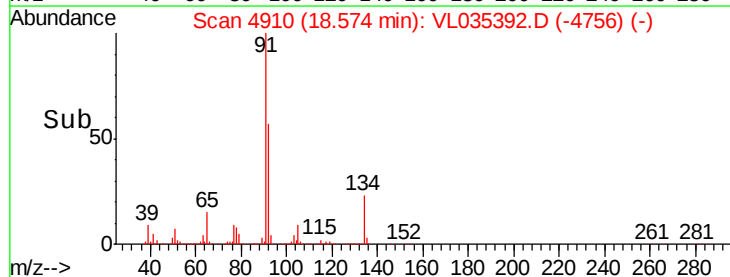
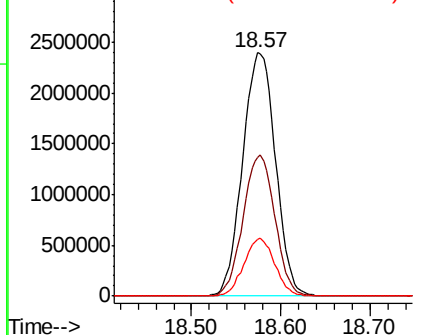


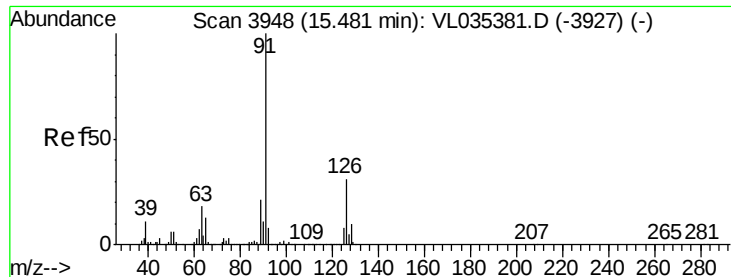
Abundance

Ion 91.10 (90.80 to 91.80): V

Ion 92.10 (91.80 to 92.80): V

Ion 134.20 (133.90 to 134.90): V

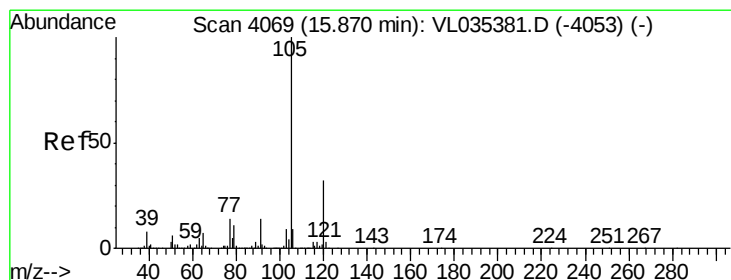
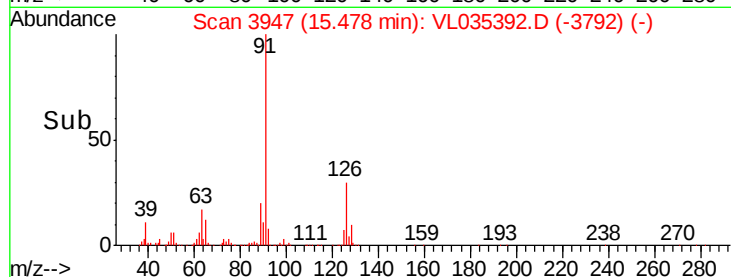
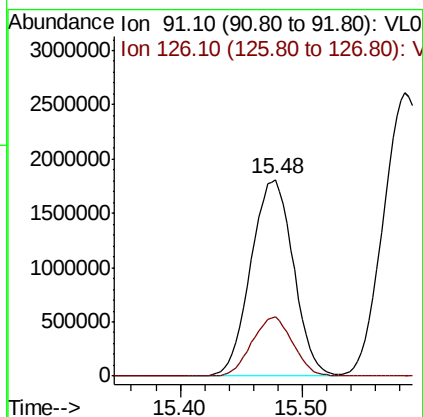
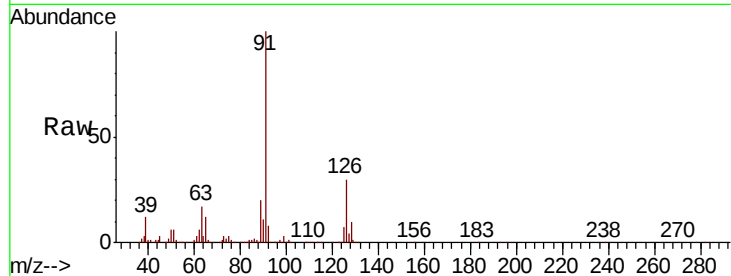




#71
 2-Chlorotoluene
 Concen: 7.038 ppbv
 RT: 15.48 min Scan# 3947
 Delta R.T. -0.00 min
 Lab File: VL035392.D
 Acq: 12 Aug 2020 22:55

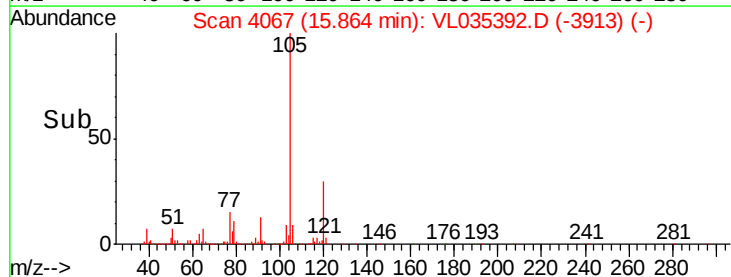
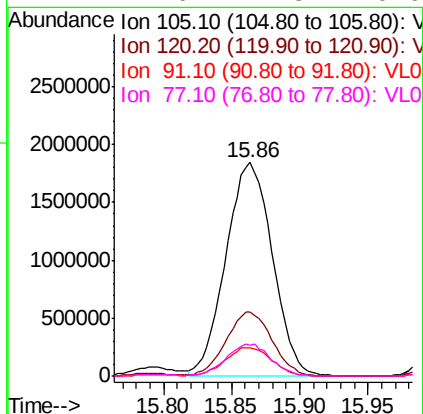
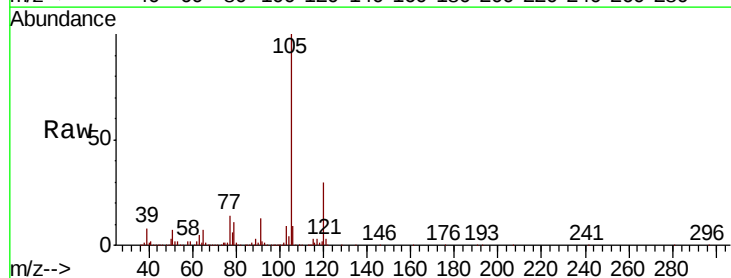
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0812ABS01

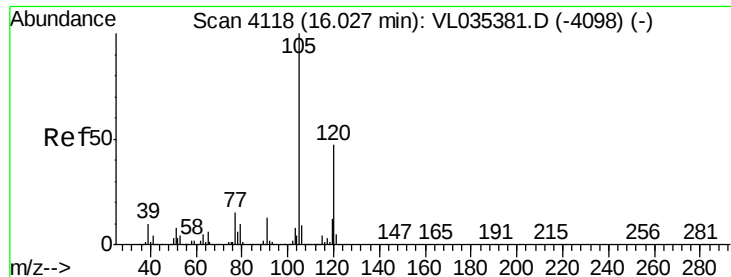
Tot Ion: 91 Resp: 4375479
 Ion Ratio Lower Upper
 91 100
 126 29.1 12.1 48.3



#72
 4-Ethyltoluene
 Concen: 6.930 ppbv
 RT: 15.86 min Scan# 4067
 Delta R.T. -0.01 min
 Lab File: VL035392.D
 Acq: 12 Aug 2020 22:55

Tgt Ion: 105 Resp: 4355069
 Ion Ratio Lower Upper
 105 100
 120 29.6 24.0 36.0
 91 13.2 10.4 15.6
 77 14.6 11.3 16.9

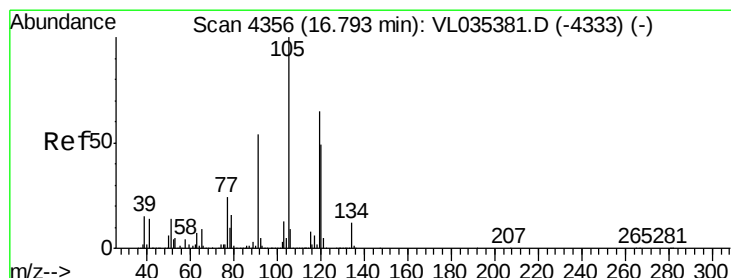
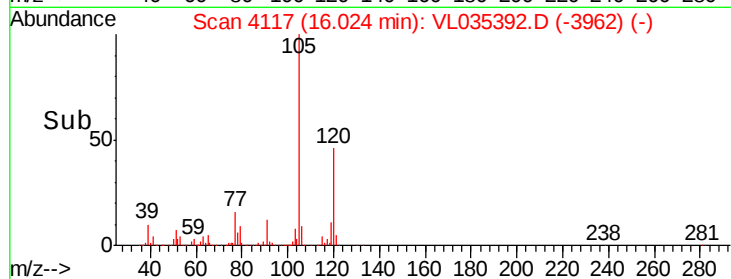
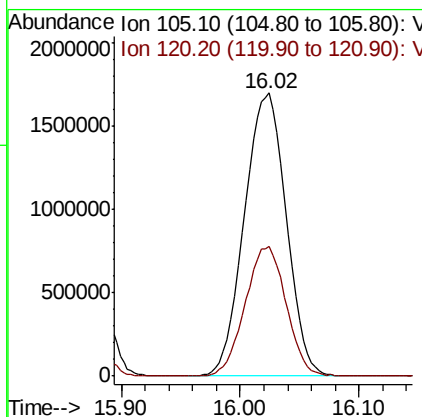
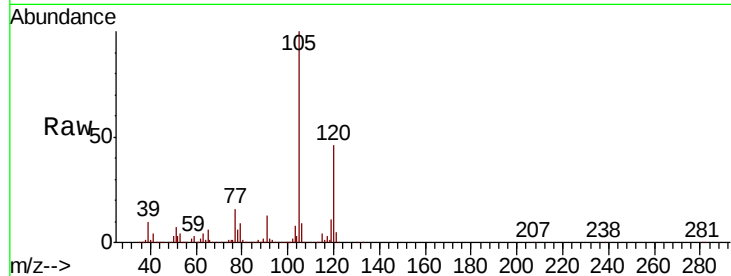




#73
 1,3,5-Trimethylbenzene
 Concen: 7.019 ppbv
 RT: 16.02 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VL035392.D
 Acq: 12 Aug 2020 22:55

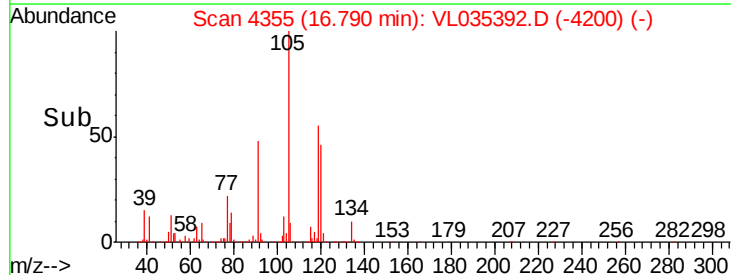
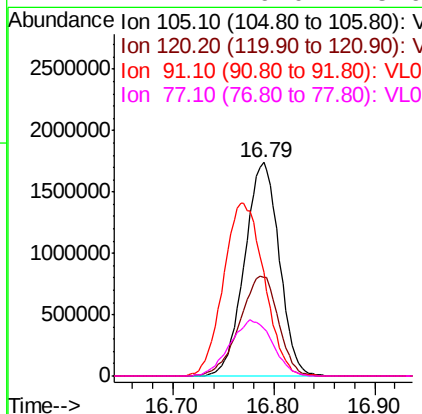
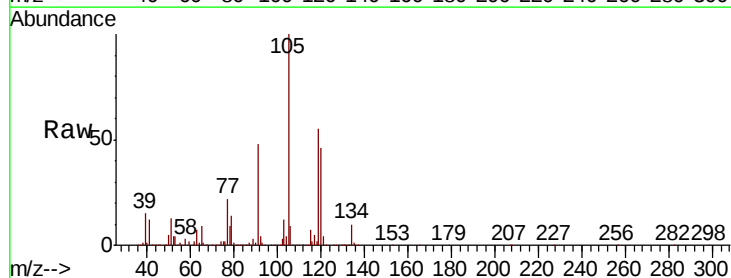
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0812ABS01

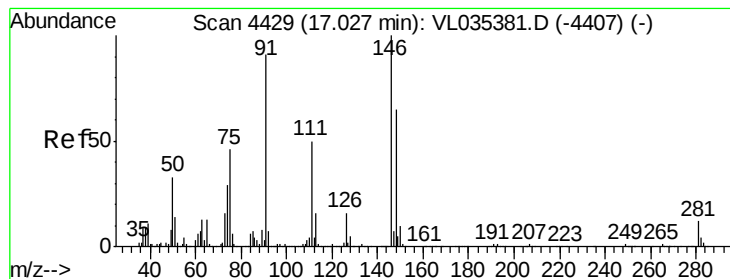
Tot Ion:105 Resp: 4136017
 Ion Ratio Lower Upper
 105 100
 120 45.9 37.4 56.0



#74
 1,2,4-Trimethylbenzene
 Concen: 6.670 ppbv
 RT: 16.79 min Scan# 4355
 Delta R.T. -0.00 min
 Lab File: VL035392.D
 Acq: 12 Aug 2020 22:55

Tgt Ion:105 Resp: 4133370
 Ion Ratio Lower Upper
 105 100
 120 46.2 39.1 58.7
 91 48.4 43.7 65.5
 77 22.4 19.0 28.6





#75

1,3-Dichlorobenzene

Concen: 6.750 ppbv

RT: 17.02 min Scan# 4427

Delta R.T. -0.01 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

Instrument :

MSVOA_L

ClientSampleId :

VL0812ABS01

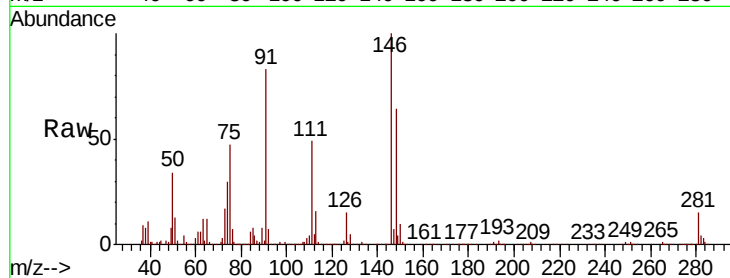
Tot Ion:146 Resp: 2282945

Ion Ratio Lower Upper

146 100

111 51.2 25.0 75.0

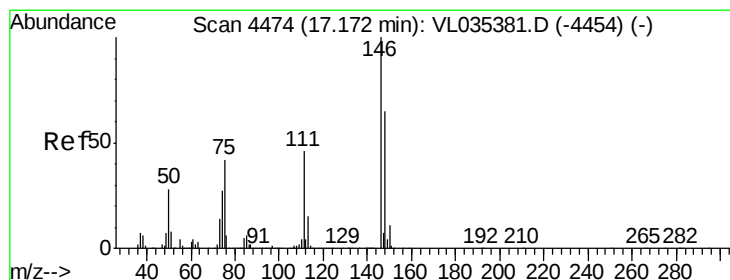
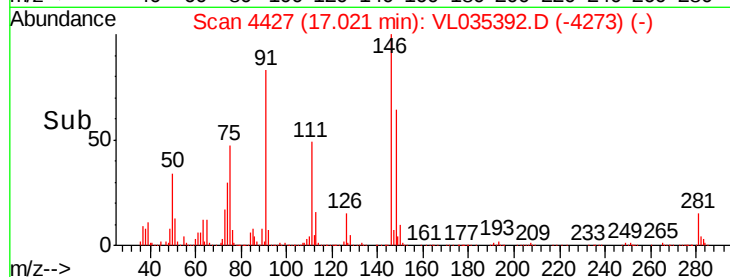
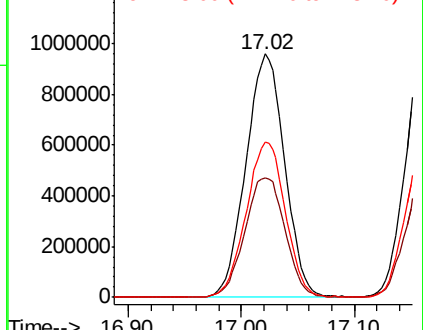
148 64.6 32.6 97.7



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: 6.878 ppbv

RT: 17.17 min Scan# 4472

Delta R.T. -0.01 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

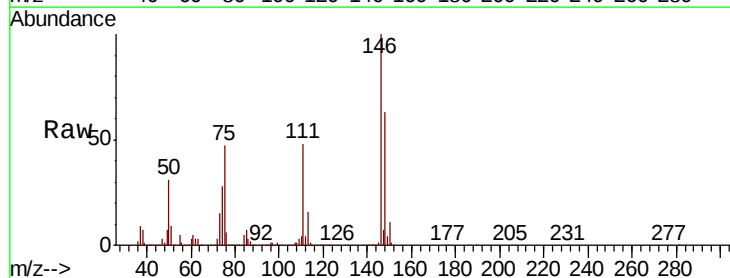
Tgt Ion:146 Resp: 2389202

Ion Ratio Lower Upper

146 100

111 49.5 24.0 72.0

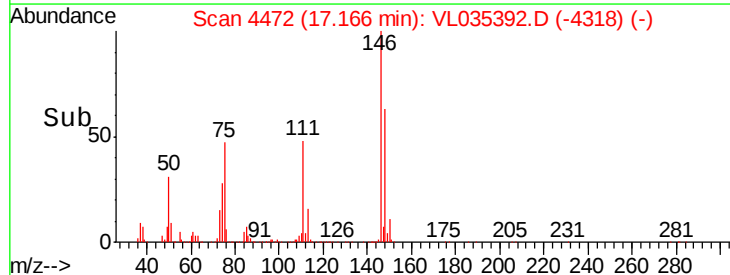
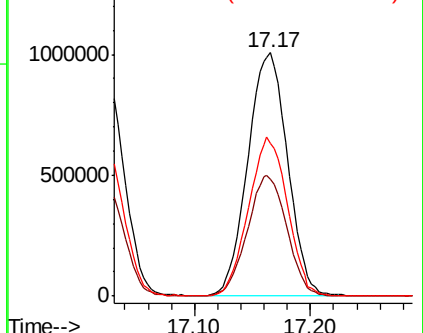
148 64.5 32.5 97.5

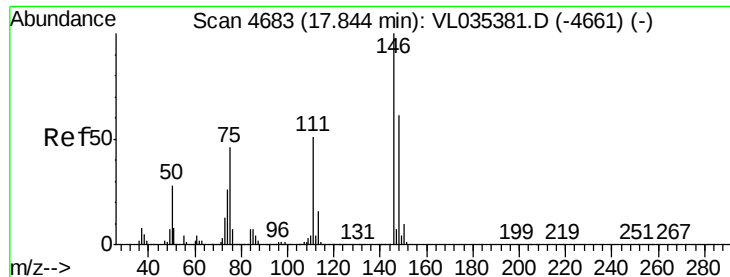


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

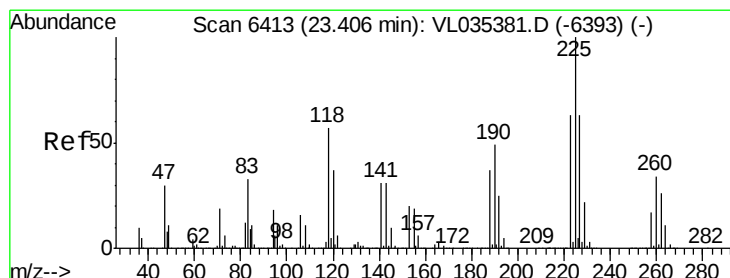
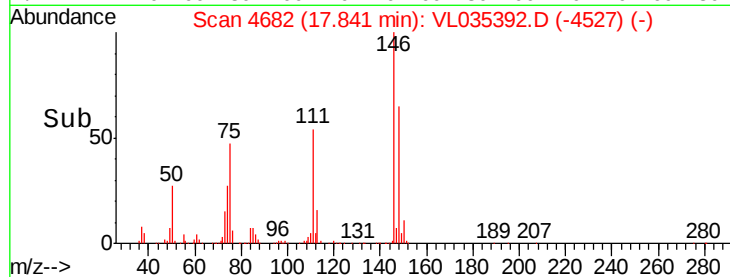
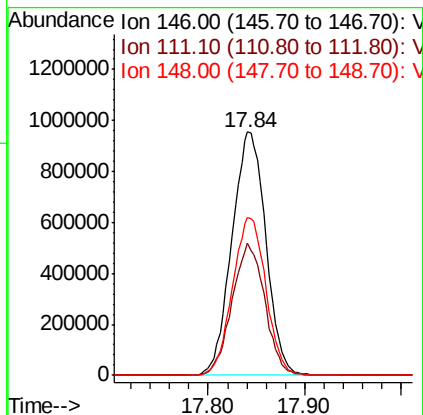
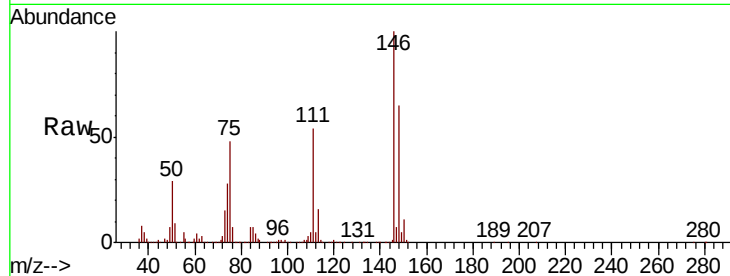




#77
 1,2-Dichlorobenzene
 Concen: 6.830 ppbv
 RT: 17.84 min Scan# 4682
 Delta R.T. -0.00 min
 Lab File: VL035392.D
 Acq: 12 Aug 2020 22:55

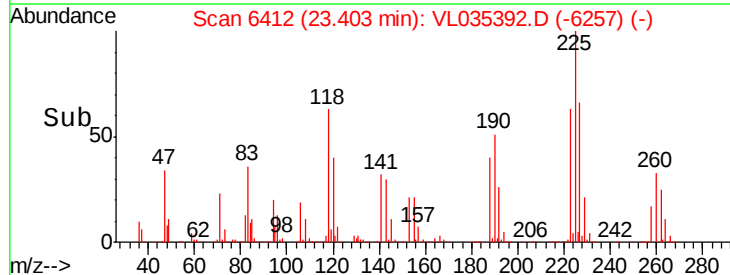
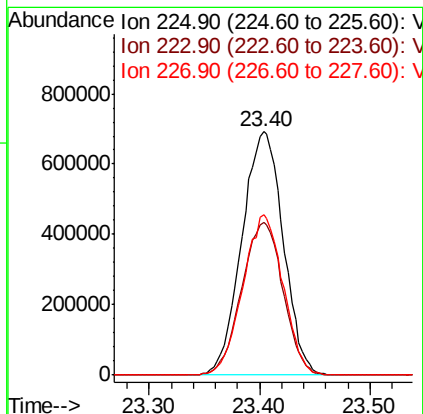
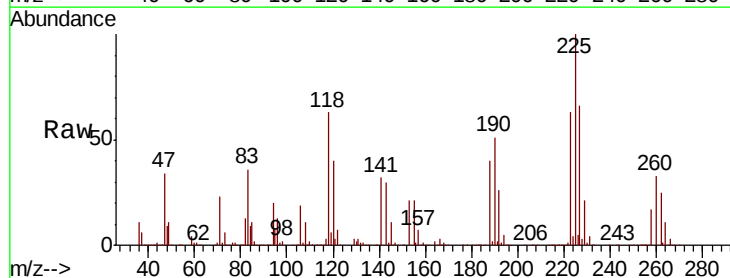
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0812ABS01

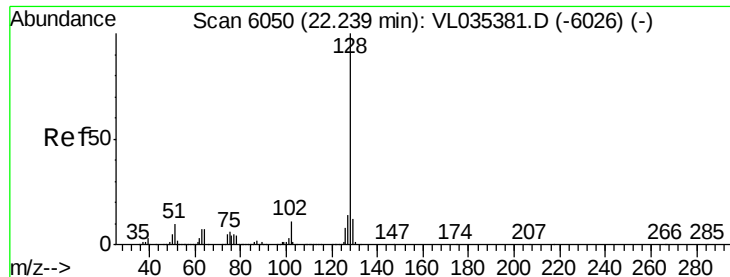
Tot Ion:146 Resp: 2328898
 Ion Ratio Lower Upper
 146 100
 111 52.3 25.9 77.8
 148 63.8 32.1 96.3



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.396 ppbv
 RT: 23.40 min Scan# 6412
 Delta R.T. -0.00 min
 Lab File: VL035392.D
 Acq: 12 Aug 2020 22:55

Tgt Ion:225 Resp: 1798237
 Ion Ratio Lower Upper
 225 100
 223 62.8 51.0 76.6
 227 64.0 51.0 76.6





#79

Naphthalene

Concen: 6.521 ppbv

RT: 22.23 min Scan# 6048

Delta R.T. -0.01 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

Instrument :

MSVOA_L

ClientSampleId :

VL0812ABS01

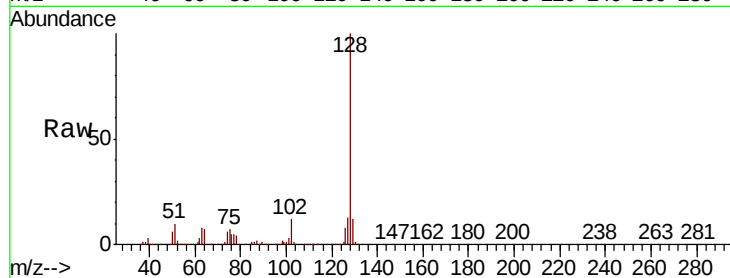
Tot Ion:128 Resp: 5033026

Ion Ratio Lower Upper

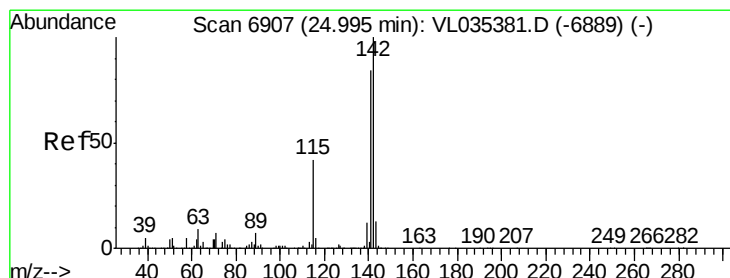
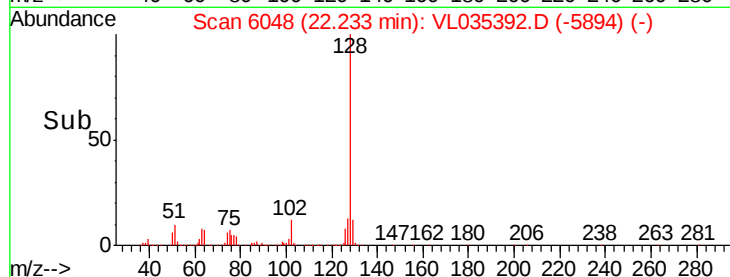
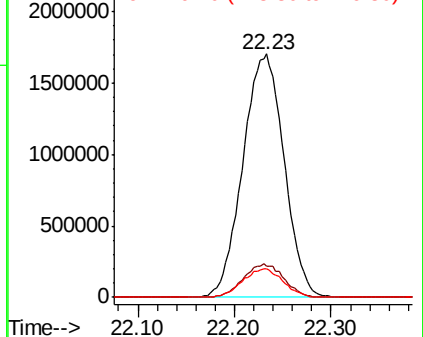
128 100

127 13.0 11.0 16.4

129 11.7 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: 6.366 ppbv

RT: 25.00 min Scan# 6907

Delta R.T. 0.00 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

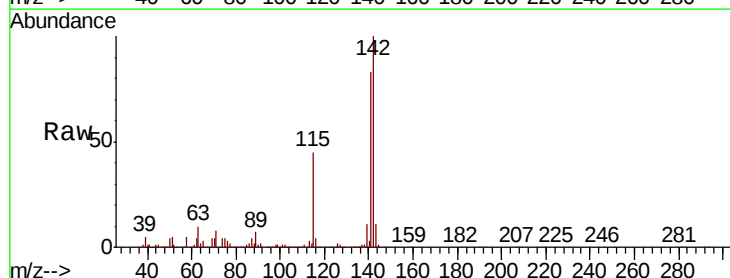
Tgt Ion:142 Resp: 2288358

Ion Ratio Lower Upper

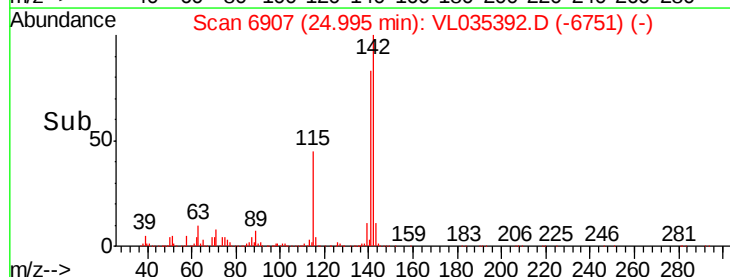
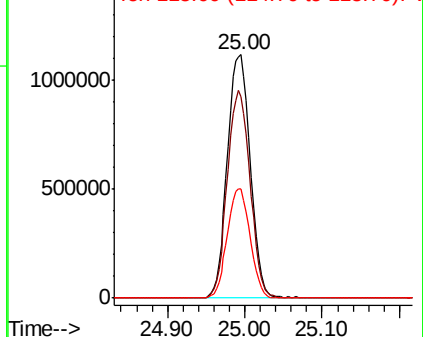
142 100

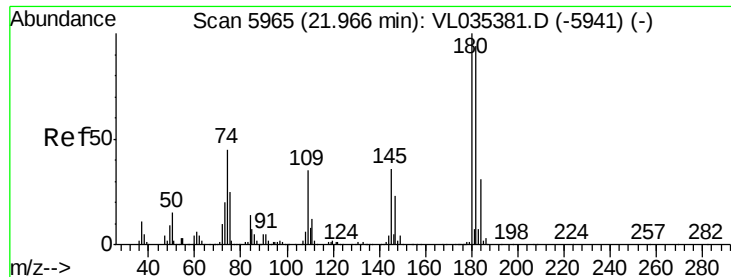
141 84.5 67.7 101.5

115 44.7 34.0 51.0



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: 6.451 ppbv

RT: 21.96 min Scan# 5964

Delta R.T. -0.00 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

Instrument :

MSVOA_L

ClientSampleId :

VL0812ABS01

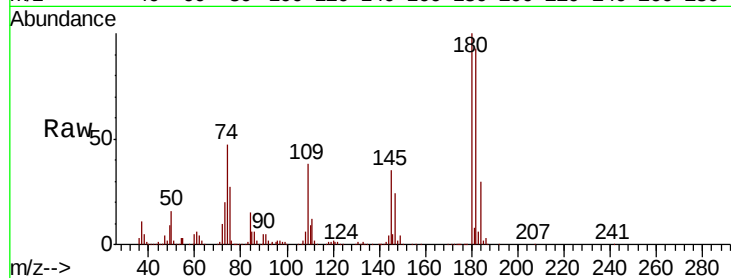
Tot Ion:180 Resp: 2356737

Ion Ratio Lower Upper

180 100

182 95.8 77.6 116.4

184 31.0 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

