

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082020\
 Data File : VL035470.D
 Acq On : 20 Aug 2020 9:00
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Aug 21 05:55:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 17 19:28:30 2020
 QLast Update : Mon Aug 17 19:28:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1085115	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	5060434	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	5573793	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3586656	9.19	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1776711	8.834	ppbv	99
3) Chlorodifluoromethane	2.98	51	1346625	9.898	ppbv #	91
4) Chloromethane	3.13	50	708721	9.999	ppbv	96
5) Vinyl Chloride	3.25	62	861050	10.165	ppbv	93
6) Bromomethane	3.47	94	777189	10.491	ppbv	99
7) Chloroethane	3.55	64	325856	10.442	ppbv	94
8) Dichlorotetrafluoroethane	3.18	85	2453203	9.526	ppbv #	61
9) Propene	3.00	41	526408	9.626	ppbv	99
10) Heptane	8.13	43	1422354	9.920	ppbv #	78
11) Trichlorofluoromethane	3.95	101	3026761	9.591	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.48	101	2295923	9.763	ppbv #	83
13) Ethanol	3.60	45	145628	7.268	ppbv	100
14) Bromoethene	3.74	108	1080747	10.399	ppbv #	94
15) Acetone	3.85	43	1137461	9.107	ppbv #	82
16) 1,3-Butadiene	3.32	39	522350	10.313	ppbv #	67
17) tert-Butyl alcohol	4.29	59	1740230	10.780	ppbv	98
18) 1,1-Dichloroethene	4.29	96	1073248	10.336	ppbv #	60
19) Isopropyl Alcohol	3.97	45	874585	10.160	ppbv #	98
20) Methylene Chloride	4.34	84	899965	8.931	ppbv #	64
21) Allyl Chloride	4.41	41	690506	10.880	ppbv #	81
22) trans-1,2-Dichloroethene	4.88	96	1139448	10.283	ppbv #	65
23) Vinyl Acetate	5.08	43	1827718	10.237	ppbv #	93
24) 1,1-Dichloroethane	5.01	63	1795258	10.075	ppbv #	93
25) Ethyl Acetate	5.68	43	2332362	9.597	ppbv #	92
26) Hexane	5.69	57	1338447	9.759	ppbv #	74
27) Carbon Disulfide	4.55	76	2219747	11.196	ppbv #	85
28) Methyl tert-Butyl Ether	5.03	73	2560631	10.220	ppbv	91
29) Chloroform	5.75	83	2771578	10.058	ppbv	96
30) Cyclohexane	7.13	84	1583811	10.408	ppbv #	60
31) cis-1,2-Dichloroethene	5.55	61	1477808	10.245	ppbv #	62
32) 1,1,1-Trichloroethane	6.52	97	2846351	11.021	ppbv #	89
34) 2-Butanone	5.25	43	1623240	9.601	ppbv #	71
35) Carbon Tetrachloride	7.02	117	3022215	11.229	ppbv	99
36) Benzene	6.90	78	3615250	9.734	ppbv #	94
37) 1,2-Dichloroethane	6.31	62	1698578	10.007	ppbv #	89
38) Trichloroethene	7.84	130	1975358	9.561	ppbv #	84
39) 1,2-Dichloropropane	7.62	63	1196299	9.773	ppbv #	85
40) 1,4-Dioxane	7.83	88	655842	9.836	ppbv #	21
41) Tetrahydrofuran	6.05	42	935828	10.034	ppbv #	58
42) Bromodichloromethane	7.80	83	2968387	10.451	ppbv #	98
43) Methyl Methacrylate	8.02	69	1504434	10.358	ppbv #	57

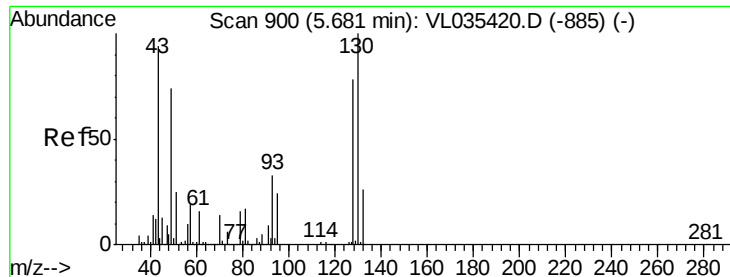
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082020\
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 QLast Update : Mon Aug 17 19:28:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4511523	9.302	ppbv #	92
45) t-1,3-Dichloropropene	9.29	75	1779877	11.897	ppbv	96
46) cis-1,3-Dichloropropene	8.71	75	2080301	11.162	ppbv #	74
47) 1,1,2-Trichloroethane	9.49	97	1814123	9.922	ppbv	92
48) Dibromochloromethane	10.32	129	3241002	10.567	ppbv	99
49) Bromoform	13.06	173	3184639	10.778	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2391767	9.862	ppbv #	80
51) 2-Hexanone	10.14	43	2054313	10.049	ppbv #	77
52) Tetrachloroethene	11.24	164	2117417	9.346	ppbv #	85
53) Toluene	9.82	91	4646445	9.713	ppbv	98
54) 1,2-Dibromoethane	10.62	107	2943141	9.911	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.14	131	2541723	9.613	ppbv	98
57) Chlorobenzene	12.16	112	4057196	8.720	ppbv #	81
58) Ethyl Benzene	12.73	91	6023655	8.952	ppbv #	82
59) m/p-Xylene	13.01	91	5229917	9.195	ppbv #	6
60) o-Xylene	13.71	91	4937670	8.932	ppbv	86
61) Styrene	13.55	104	4199367	9.402	ppbv #	90
62) Isopropylbenzene	14.69	105	7620801	8.412	ppbv #	86
63) 1,1,2,2-Tetrachloroethane	13.70	83	3463948	8.723	ppbv	97
64) n-propylbenzene	15.58	120	2551517	9.137	ppbv #	45
65) tert-Butylbenzene	16.77	119	7349957	8.348	ppbv #	83
66) Benzyl Chloride	17.01	91	2707505	12.785	ppbv #	88
67) sec-Butylbenzene	17.32	105	9342451	8.063	ppbv #	83
69) p-Isopropyltoluene	17.68	119	8465043	8.234	ppbv #	89
70) n-Butylbenzene	18.57	91	8064724	8.304	ppbv #	89
71) 2-Chlorotoluene	15.47	91	5851222	8.901	ppbv	77
72) 4-Ethyltoluene	15.86	105	6436427	8.872	ppbv #	91
73) 1,3,5-Trimethylbenzene	16.02	105	5961497	8.832	ppbv #	81
74) 1,2,4-Trimethylbenzene	16.79	105	6164341	8.405	ppbv #	92
75) 1,3-Dichlorobenzene	17.02	146	4677378	8.257	ppbv	92
76) 1,4-Dichlorobenzene	17.16	146	4801351	8.600	ppbv	92
77) 1,2-Dichlorobenzene	17.84	146	4694314	8.460	ppbv	91
78) Hexachloro-1,3-Butadiene	23.40	225	3404368	7.760	ppbv	98
79) Naphthalene	22.23	128	8872598	8.590	ppbv	97
80) Naphthalene, 2-methyl-	24.99	142	4345936	10.182	ppbv #	93
81) 1,2,4-Trichlorobenzene	21.96	180	5238951	8.414	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: VL035470.D

Acq: 20 Aug 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

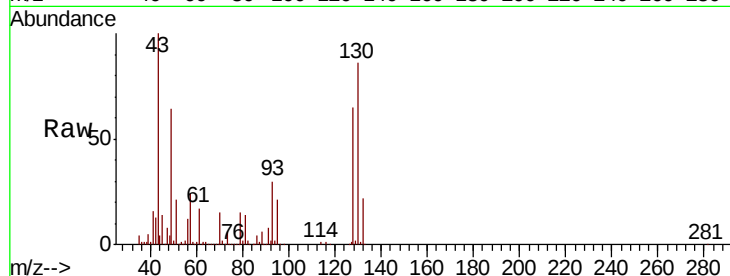
Tot Ion: 49 Resp: 1085115

Ion	Ratio	Lower	Upper
49	100		
128	103.4	20.9	62.7#
130	133.6	26.7	80.1#

49 100

128 103.4 20.9 62.7#

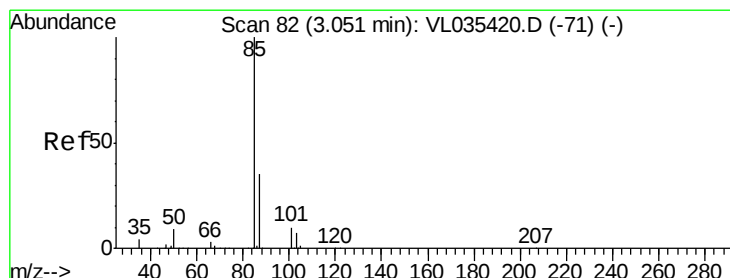
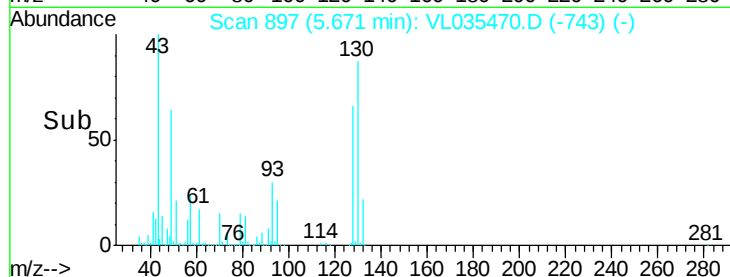
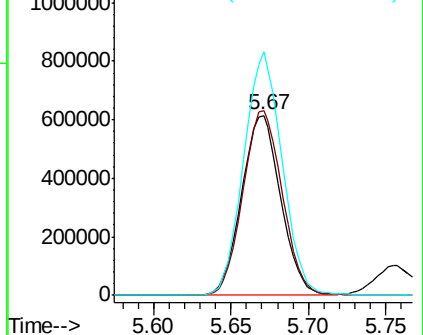
130 133.6 26.7 80.1#



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.834 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.00 min

Lab File: VL035470.D

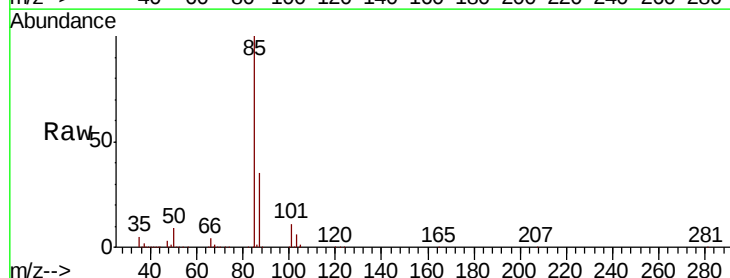
Acq: 20 Aug 2020 9:00

Tgt Ion: 85 Resp: 1776711

Ion	Ratio	Lower	Upper
85	100		
87	34.6	27.1	40.7

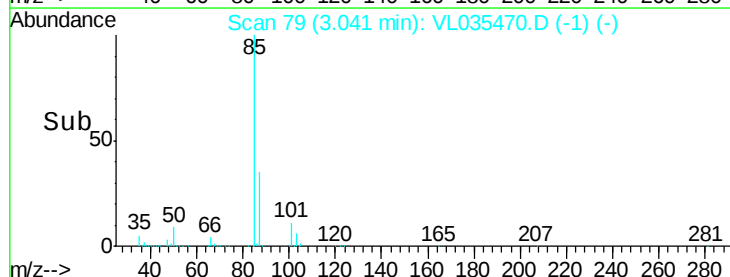
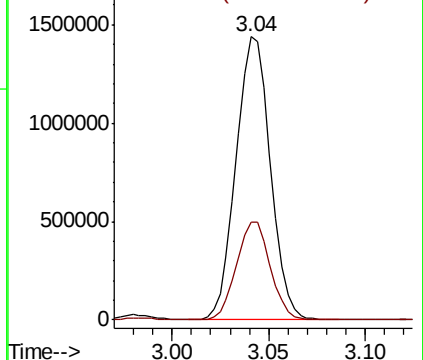
85 100

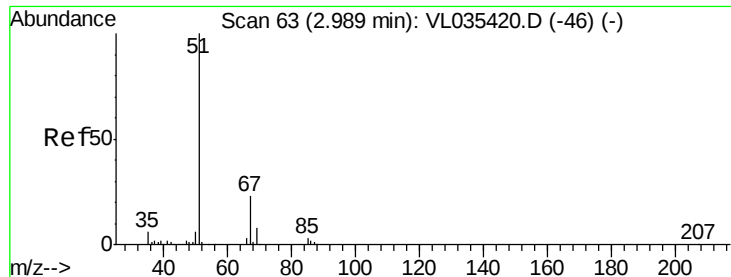
87 34.6 27.1 40.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.898 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.00 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

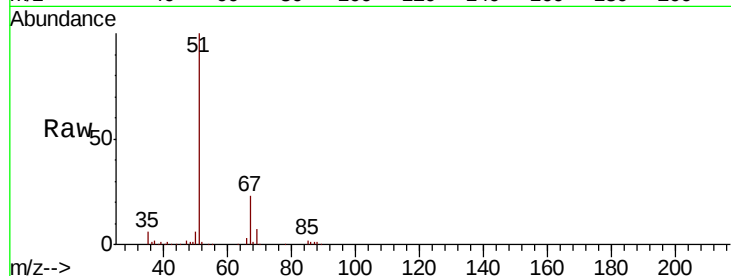
VSTDCCC010

Tot Ion: 51 Resp: 1346625

Ion Ratio Lower Upper

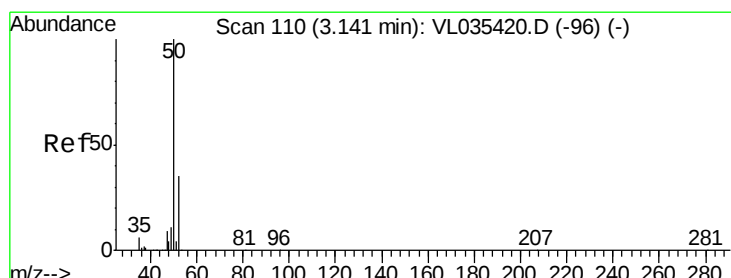
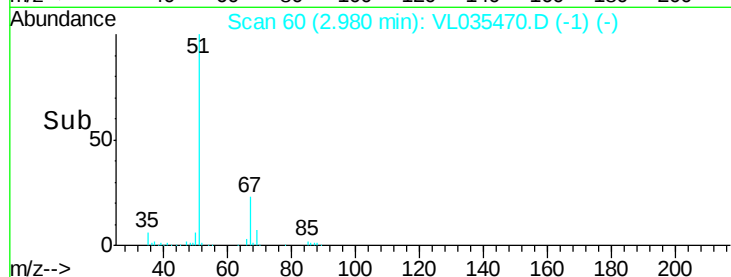
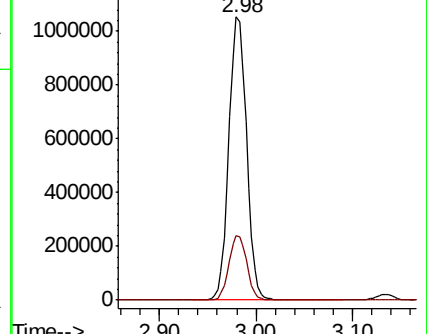
51 100

67 22.9 15.0 22.6#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.999 ppbv

RT: 3.13 min Scan# 108

Delta R.T. -0.00 min

Lab File: VL035470.D

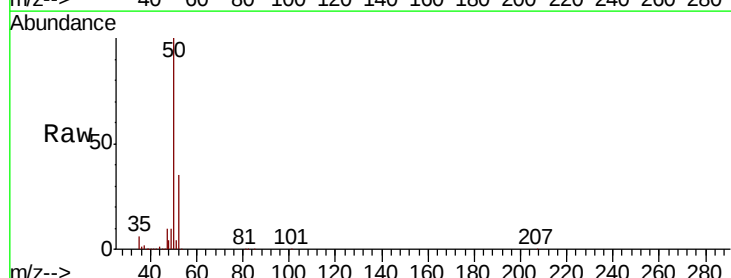
Acq: 20 Aug 2020 9:00

Tgt Ion: 50 Resp: 708721

Ion Ratio Lower Upper

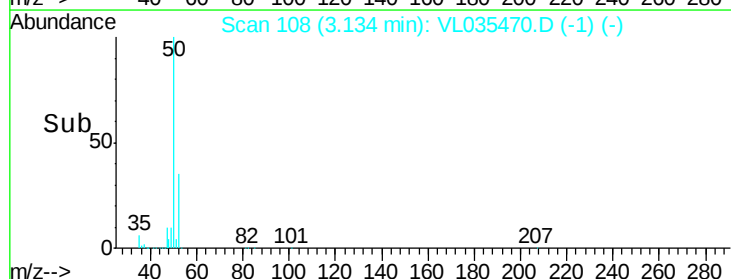
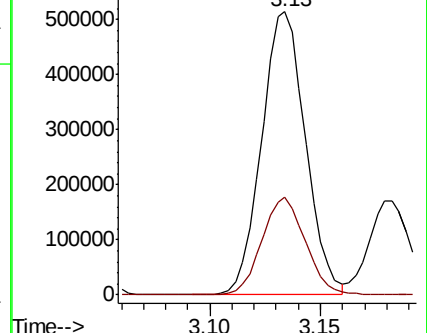
50 100

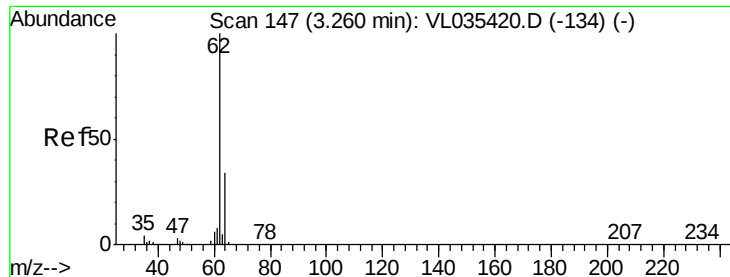
52 34.8 25.9 38.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.165 ppbv

RT: 3.25 min Scan# 144

Delta R.T. -0.00 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

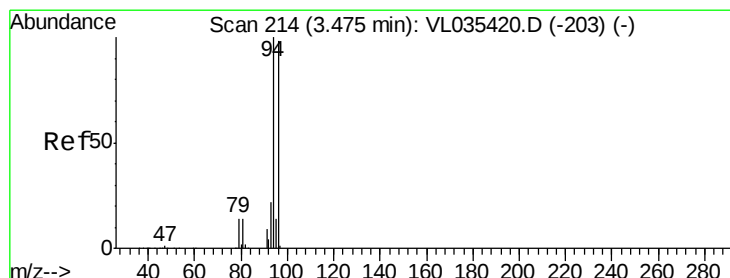
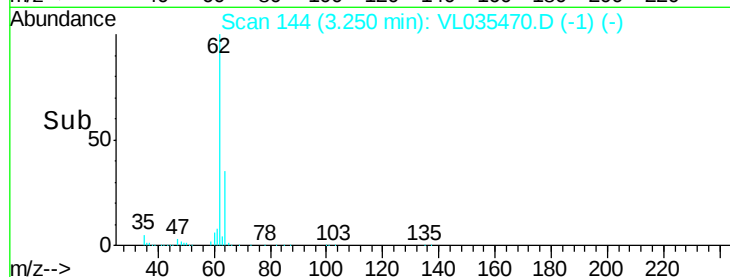
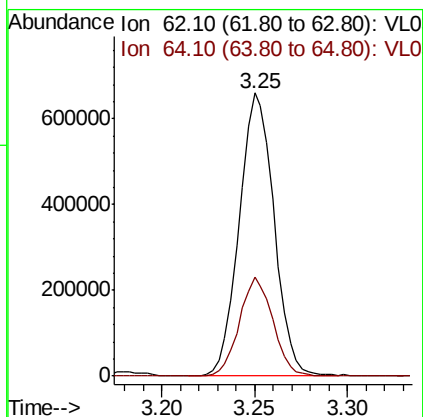
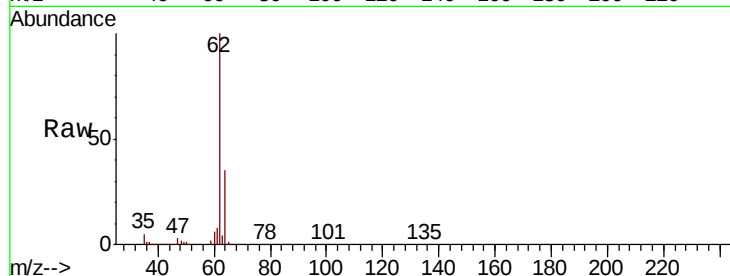
VSTDCCC010

Tot Ion: 62 Resp: 861050

Ion Ratio Lower Upper

62 100

64 35.0 25.0 37.4



#6

Bromomethane

Concen: 10.491 ppbv

RT: 3.47 min Scan# 212

Delta R.T. -0.00 min

Lab File: VL035470.D

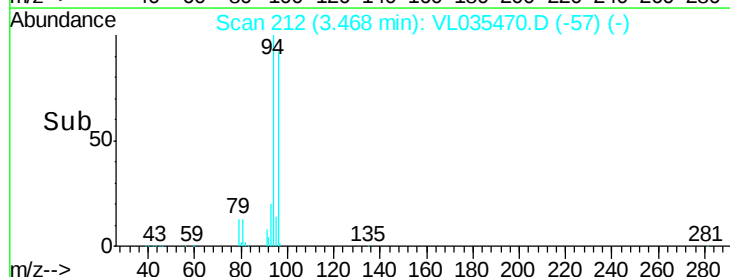
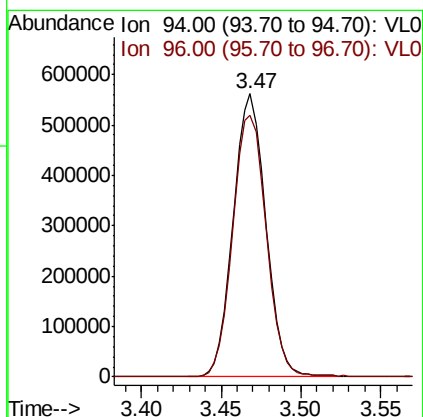
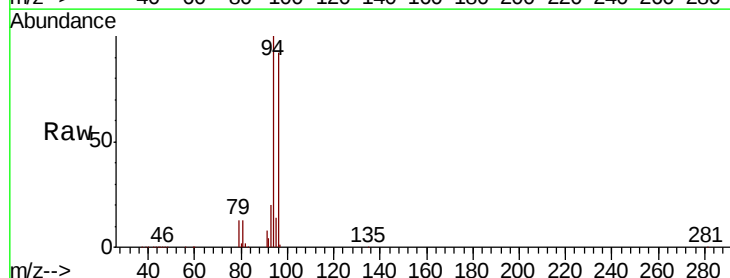
Acq: 20 Aug 2020 9:00

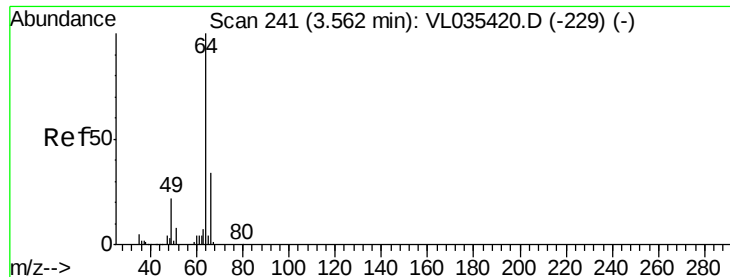
Tgt Ion: 94 Resp: 777189

Ion Ratio Lower Upper

94 100

96 92.5 75.0 112.6





#7

Chloroethane

Concen: 10.442 ppbv

RT: 3.55 min Scan# 238

Delta R.T. -0.00 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

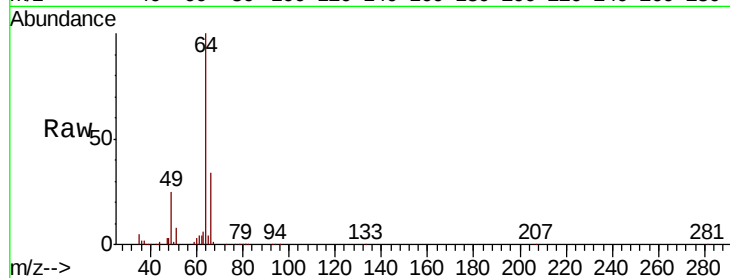
VSTDCCC010

Tot Ion: 64 Resp: 325856

Ion Ratio Lower Upper

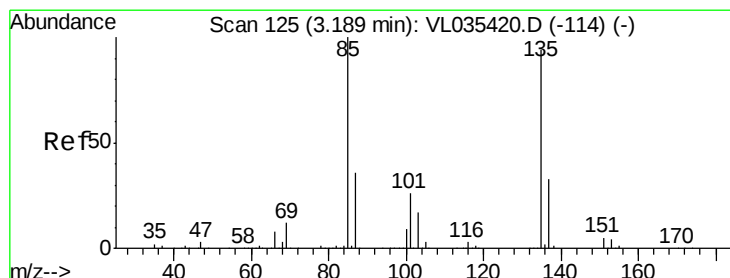
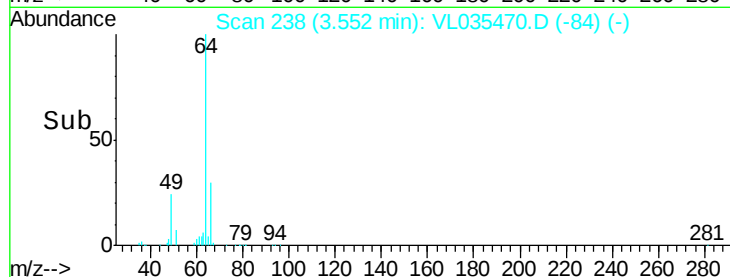
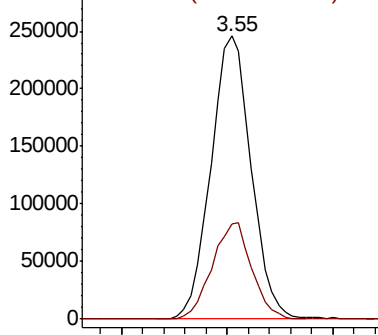
64 100

66 33.7 24.5 36.7



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.526 ppbv

RT: 3.18 min Scan# 123

Delta R.T. -0.00 min

Lab File: VL035470.D

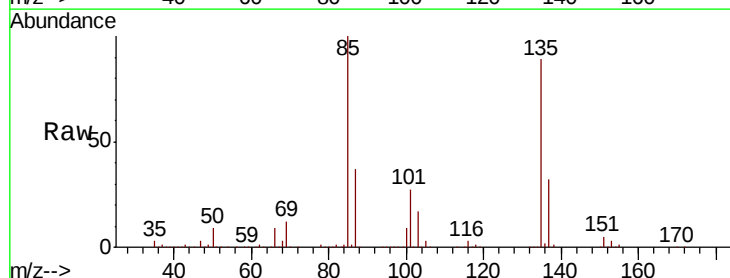
Acq: 20 Aug 2020 9:00

Tgt Ion: 85 Resp: 2453203

Ion Ratio Lower Upper

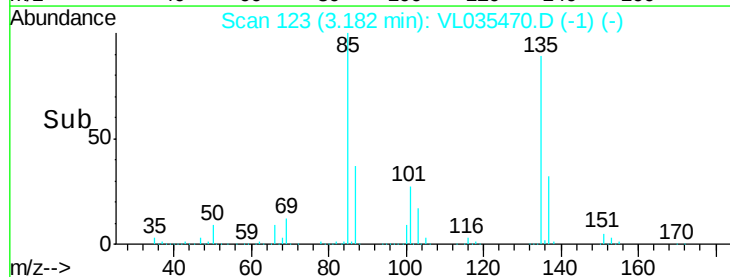
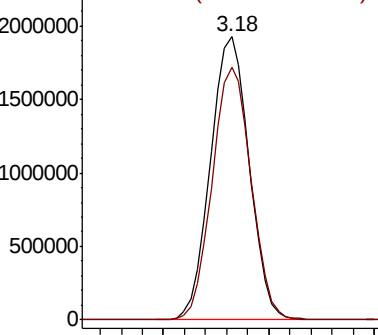
85 100

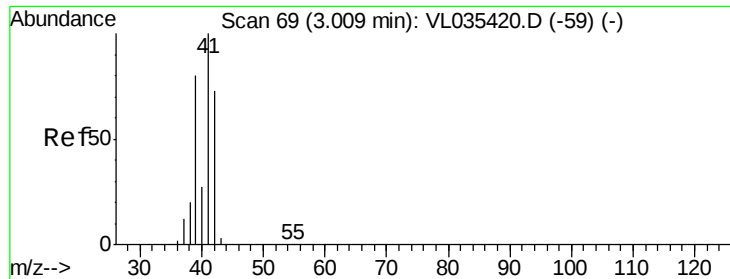
135 90.2 48.6 72.8#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.626 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.00 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

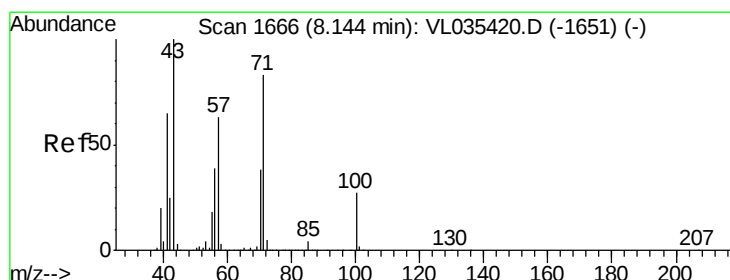
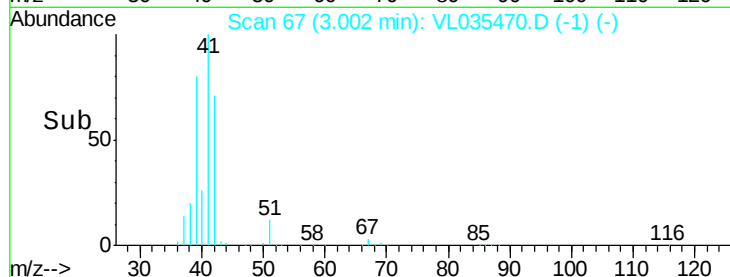
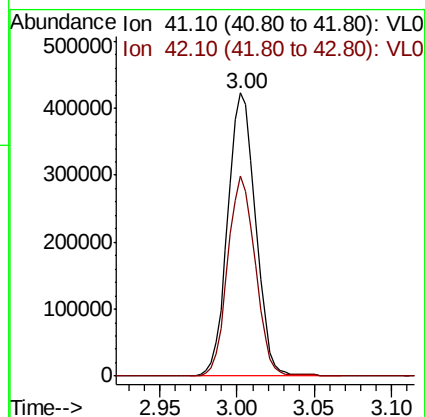
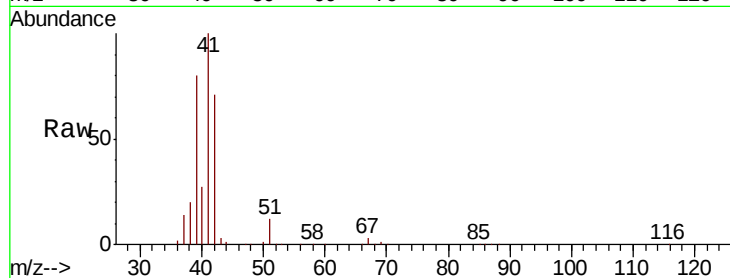
VSTDCCC010

Tot Ion: 41 Resp: 526408

Ion Ratio Lower Upper

41 100

42 70.2 55.5 83.3



#10

Heptane

Concen: 9.920 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. -0.01 min

Lab File: VL035470.D

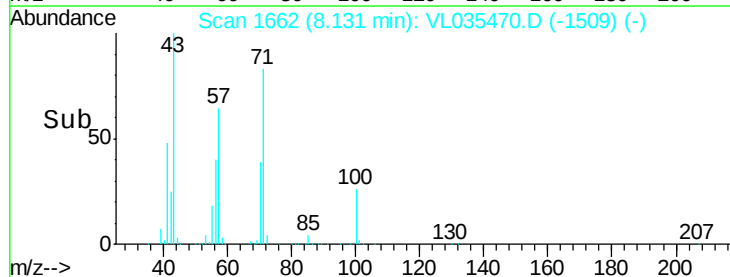
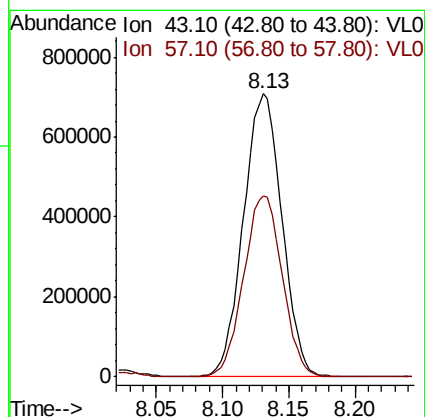
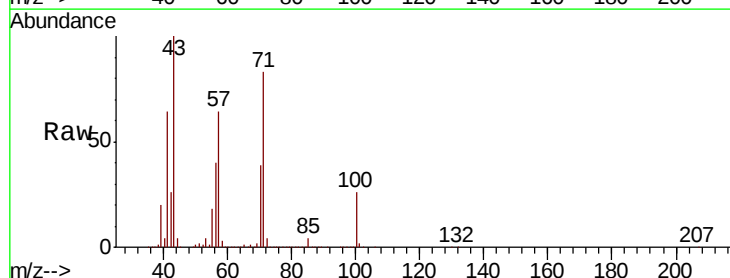
Acq: 20 Aug 2020 9:00

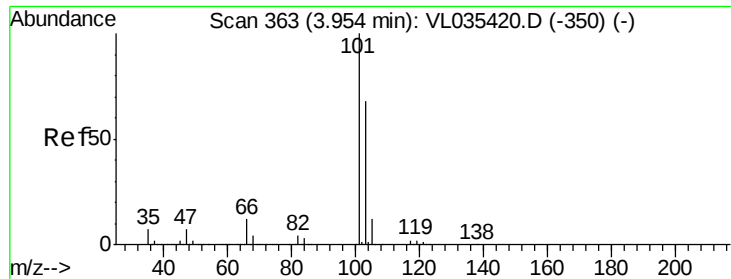
Tgt Ion: 43 Resp: 1422354

Ion Ratio Lower Upper

43 100

57 64.6 39.8 59.6#

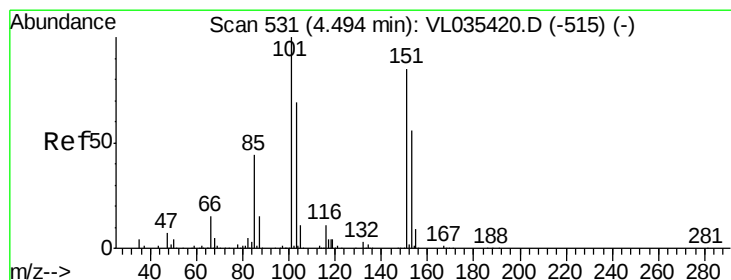
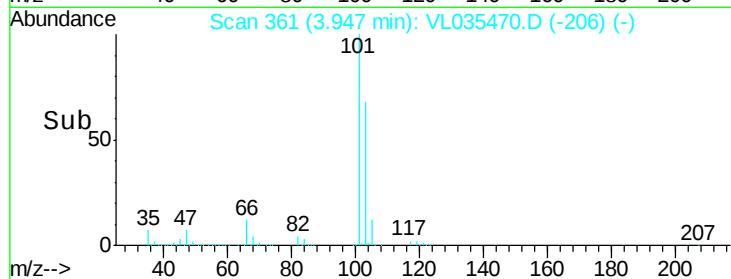
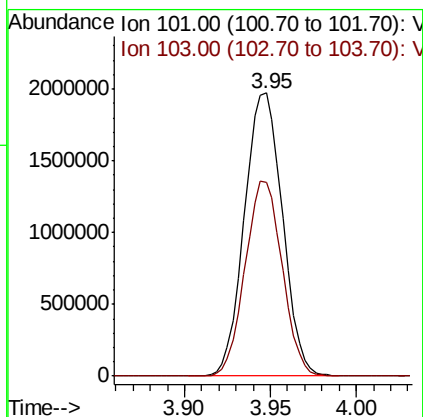
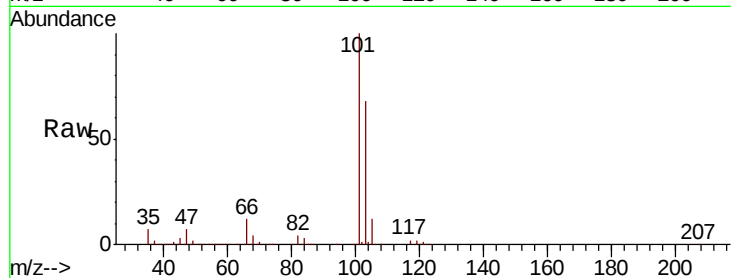




#11
 Trichlorofluoromethane
 Concen: 9.591 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. -0.00 min
 Lab File: VL035470.D
 Acq: 20 Aug 2020 9:00

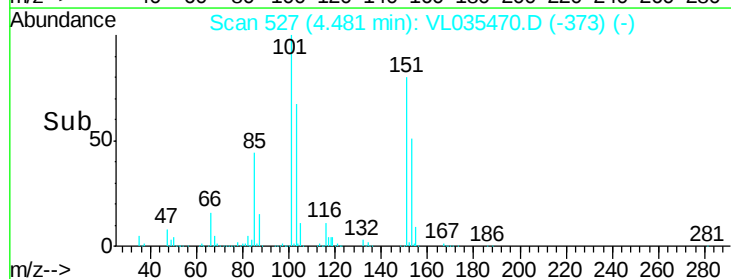
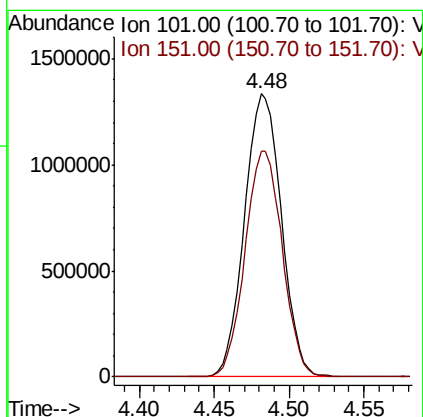
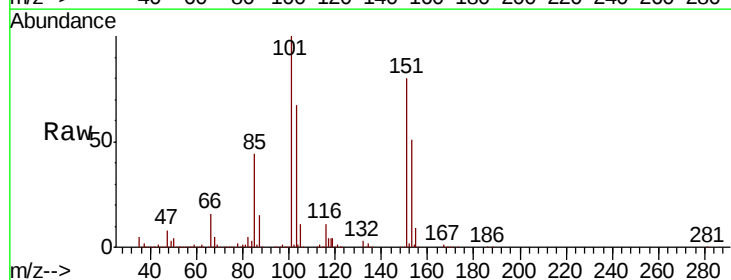
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

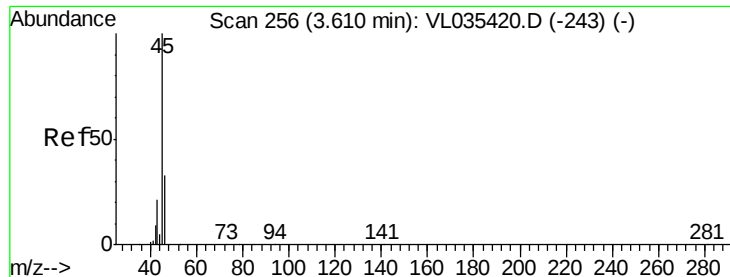
Tot Ion:101 Resp: 3026761
 Ion Ratio Lower Upper
 101 100
 103 68.5 52.6 78.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.763 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VL035470.D
 Acq: 20 Aug 2020 9:00

Tgt Ion:101 Resp: 2295923
 Ion Ratio Lower Upper
 101 100
 151 80.7 53.6 80.4#





#13

Ethanol

Concen: 7.268 ppbv

RT: 3.60 min Scan# 253

Delta R.T. -0.00 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

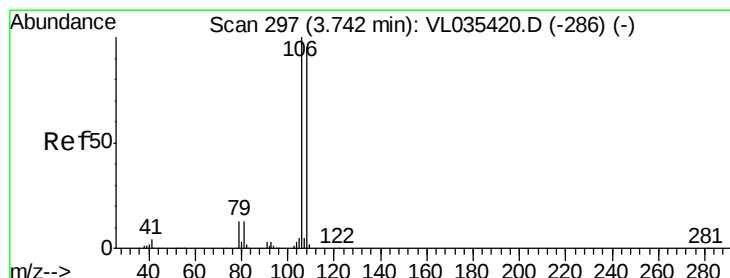
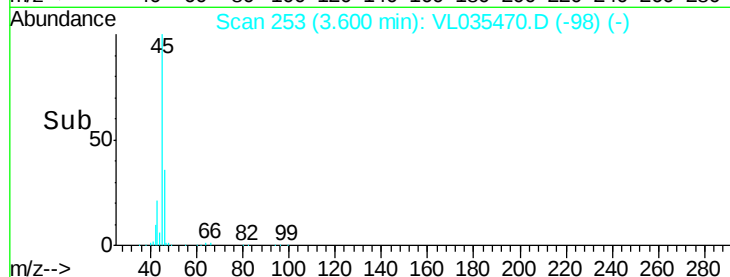
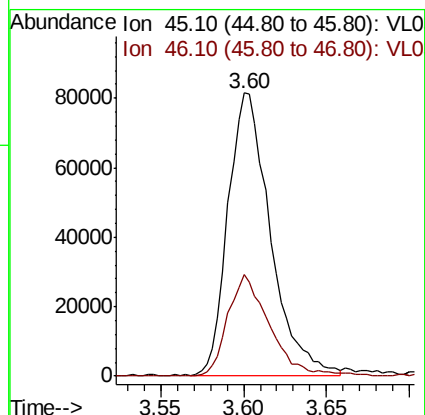
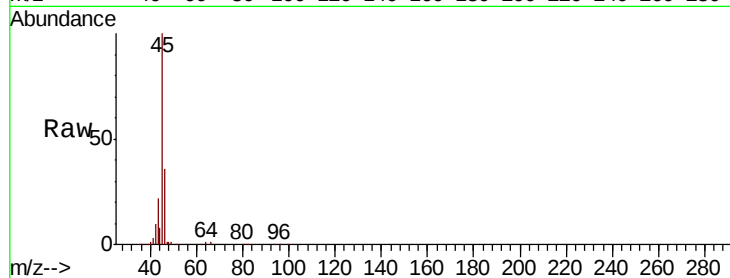
VSTDCCC010

Tot Ion: 45 Resp: 145628

Ion Ratio Lower Upper

45 100

46 35.4 14.2 56.6



#14

Bromoethene

Concen: 10.399 ppbv

RT: 3.74 min Scan# 295

Delta R.T. -0.00 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

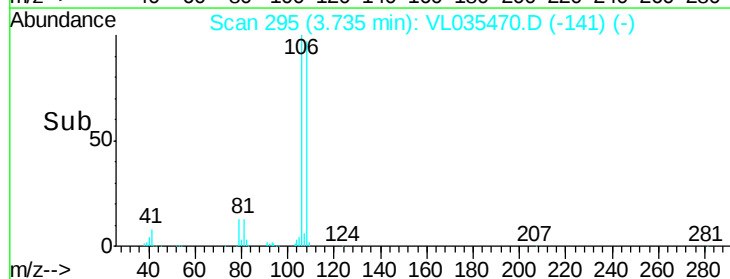
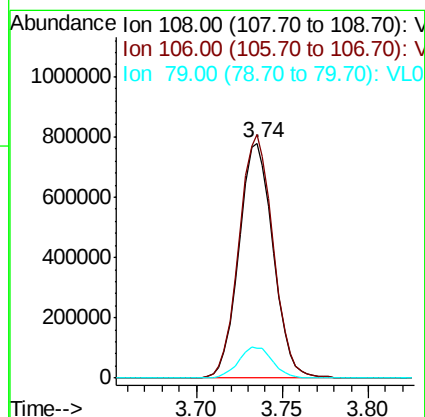
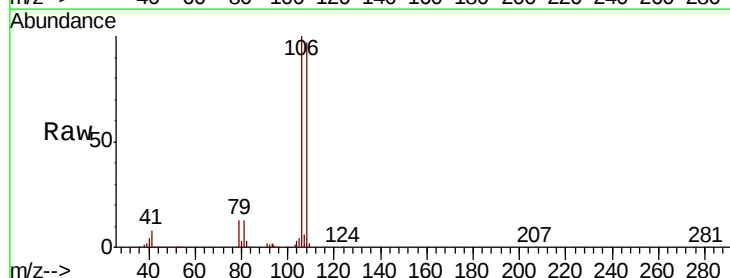
Tgt Ion: 108 Resp: 1080747

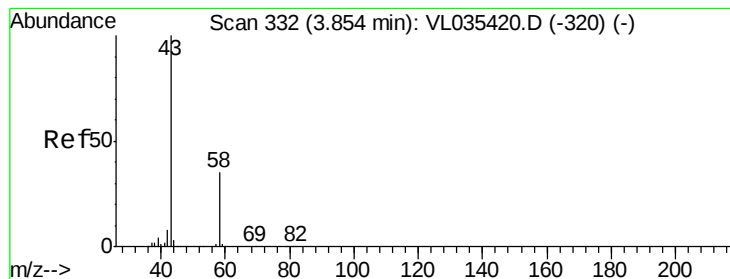
Ion Ratio Lower Upper

108 100

106 104.0 86.7 130.1

79 13.4 16.8 25.2#





#15

Acetone

Concen: 9.107 ppbv

RT: 3.85 min Scan# 330

Delta R.T. -0.00 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

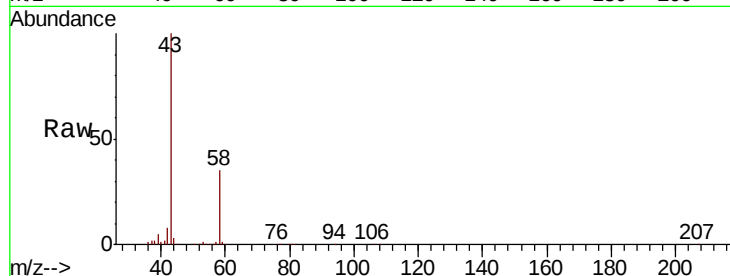
VSTDCCC010

Tot Ion: 43 Resp: 1137461

Ion Ratio Lower Upper

43 100

58 35.3 21.0 31.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.85

800000

600000

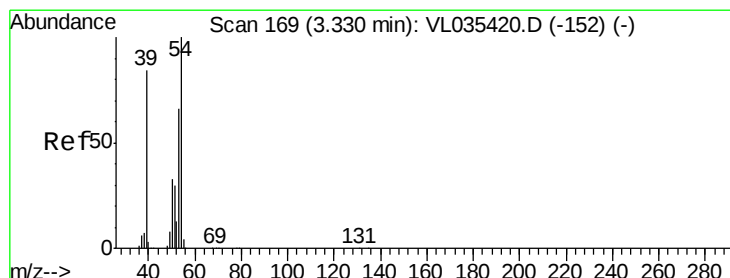
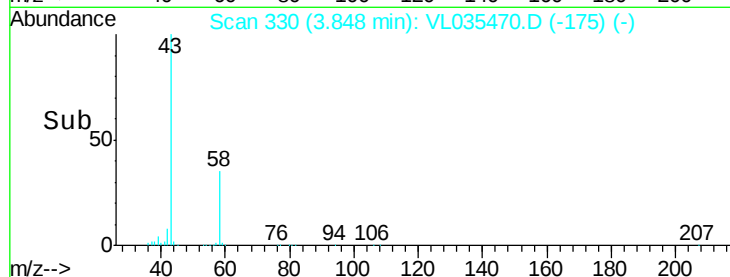
400000

200000

0

Time-->

3.80 3.85 3.90



#16

1,3-Butadiene

Concen: 10.313 ppbv

RT: 3.32 min Scan# 166

Delta R.T. -0.00 min

Lab File: VL035470.D

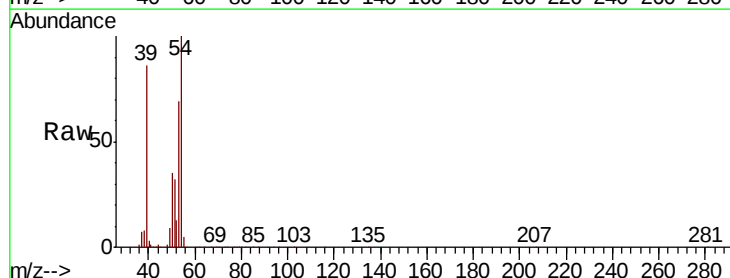
Acq: 20 Aug 2020 9:00

Tgt Ion: 39 Resp: 522350

Ion Ratio Lower Upper

39 100

54 110.0 64.4 96.6#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.32

500000

400000

300000

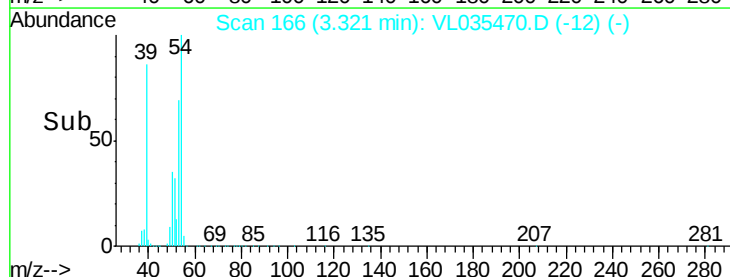
200000

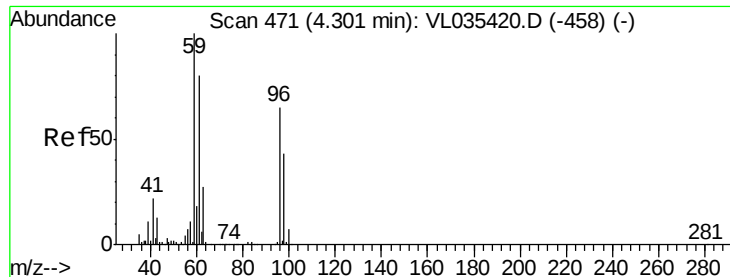
100000

0

Time-->

3.25 3.30 3.35 3.40





#17

tert-Butyl alcohol

Concen: 10.780 ppbv

RT: 4.29 min Scan# 468

Delta R.T. -0.00 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

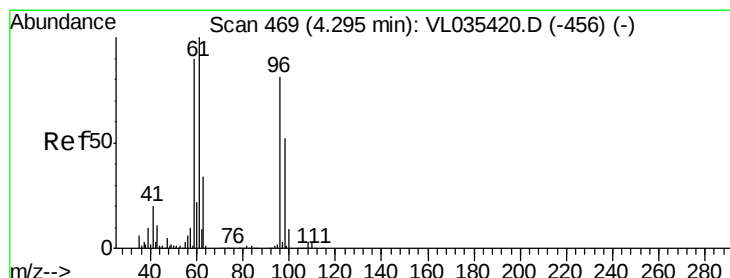
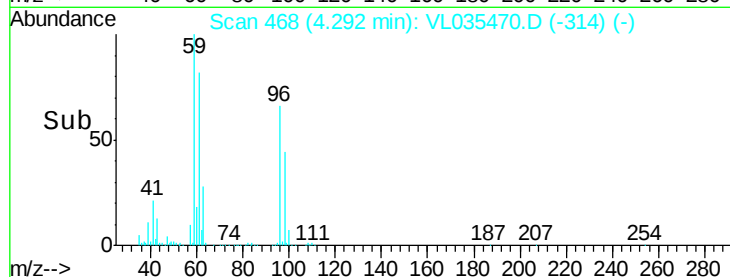
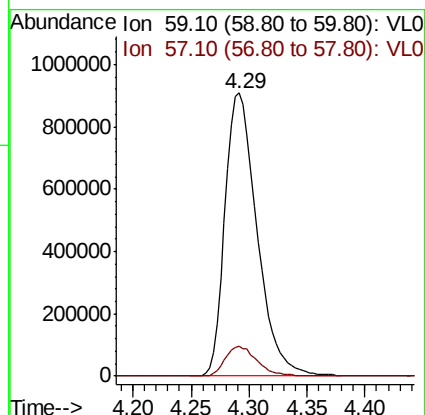
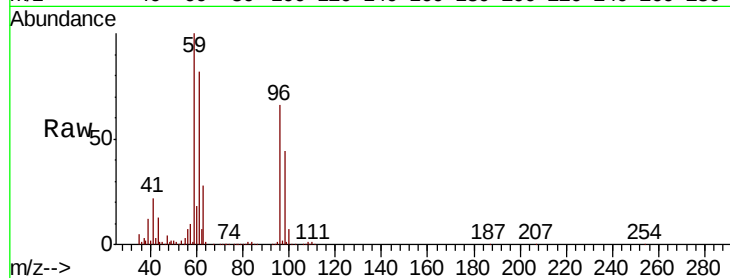
VSTDCCC010

Tot Ion: 59 Resp: 1740230

Ion Ratio Lower Upper

59 100

57 10.4 8.9 13.3



#18

1,1-Dichloroethene

Concen: 10.336 ppbv

RT: 4.29 min Scan# 466

Delta R.T. -0.00 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

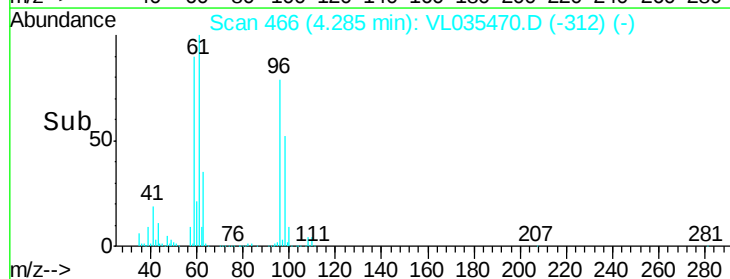
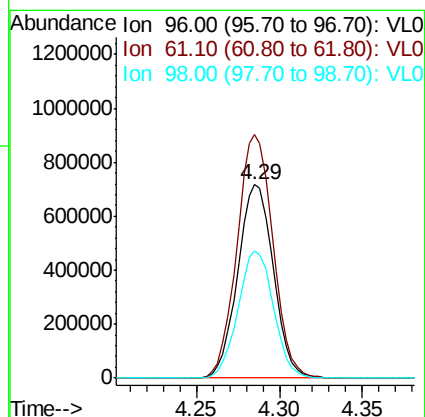
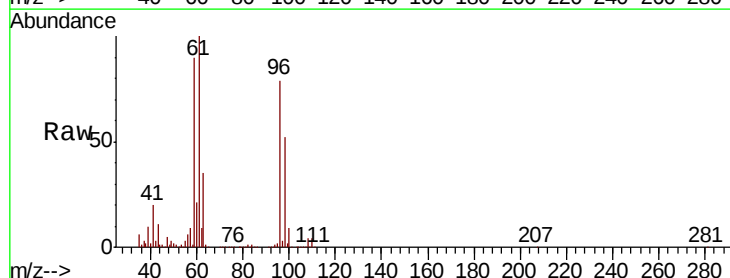
Tgt Ion: 96 Resp: 1073248

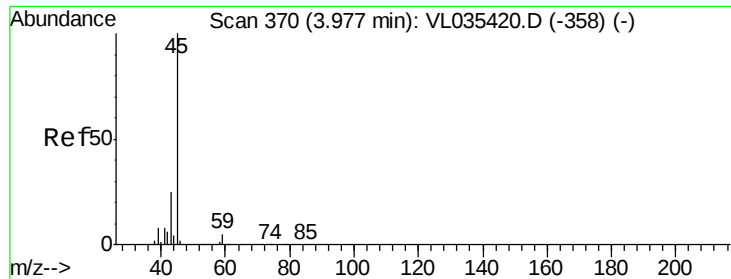
Ion Ratio Lower Upper

96 100

61 125.9 161.8 242.6#

98 65.7 49.3 73.9





#19

Isopropyl Alcohol

Concen: 10.160 ppbv

RT: 3.97 min Scan# 367

Delta R.T. -0.00 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

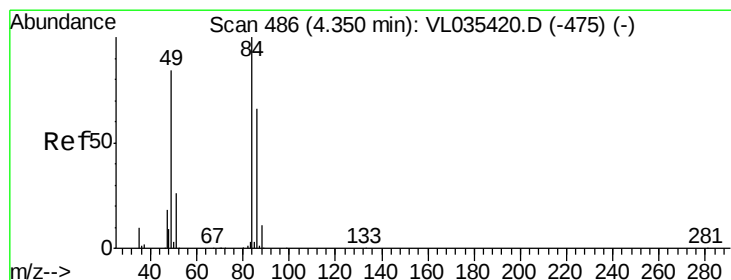
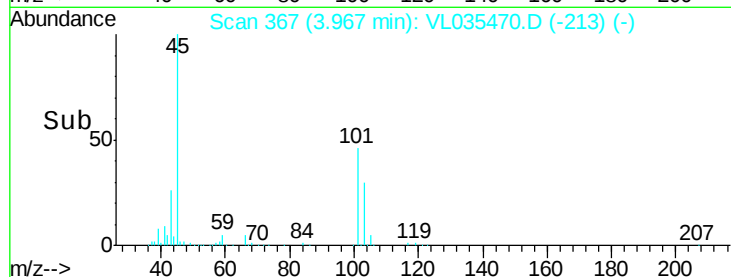
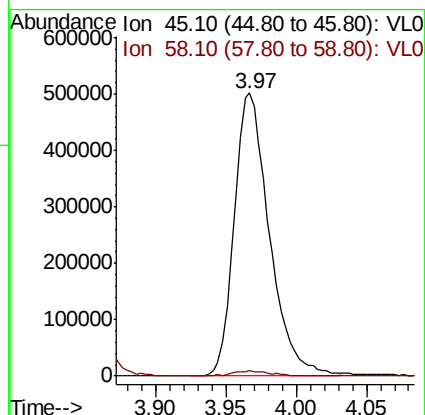
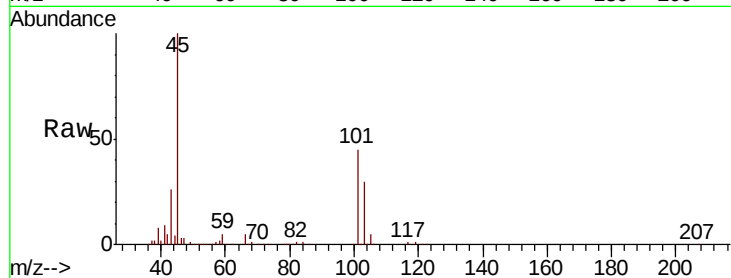
VSTDCCC010

Tot Ion: 45 Resp: 874585

Ion Ratio Lower Upper

45 100

58 2.2 1.0 1.6#



#20

Methylene Chloride

Concen: 8.931 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.00 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

Tgt Ion: 84 Resp: 899965

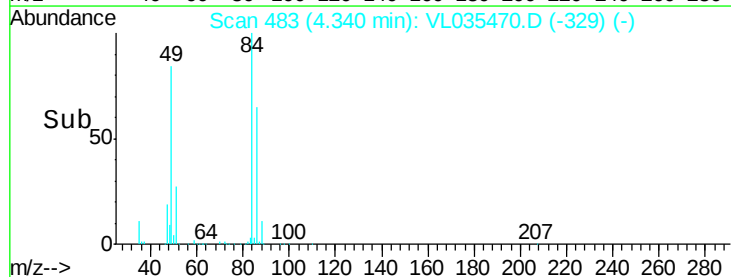
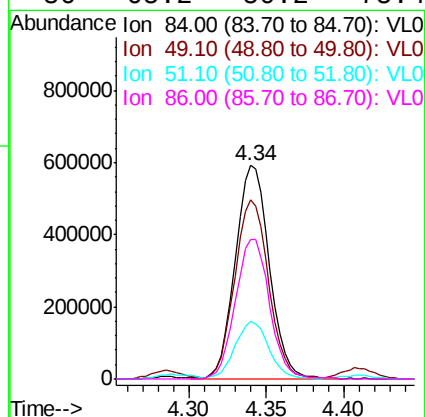
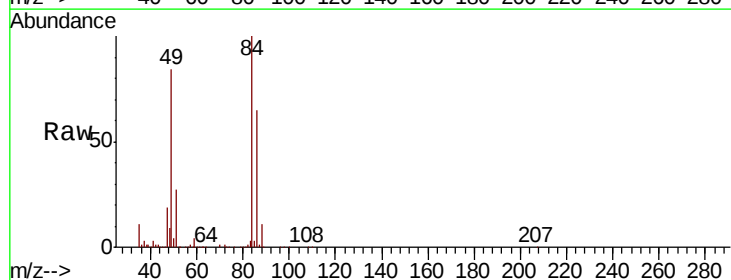
Ion Ratio Lower Upper

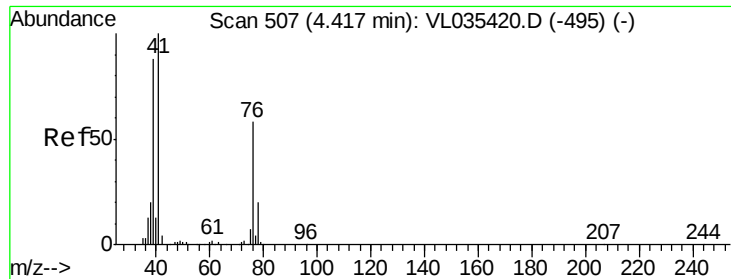
84 100

49 83.0 118.6 177.8#

51 26.1 36.4 54.6#

86 65.2 50.2 75.4





#21

Allvl Chloride

Concen: 10.880 ppbv

RT: 4.41 min Scan# 505

Delta R.T. -0.00 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

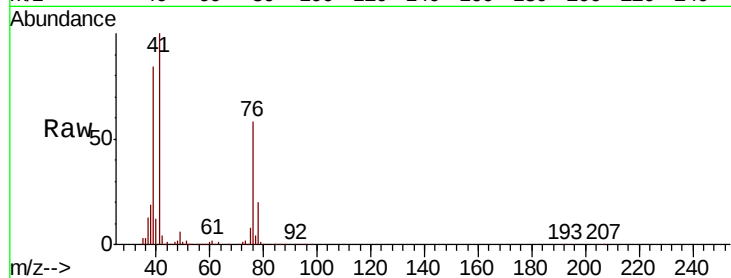
Tot Ion: 41 Resp: 690506

Ion Ratio Lower Upper

41 100

76 60.0 22.8 34.2#

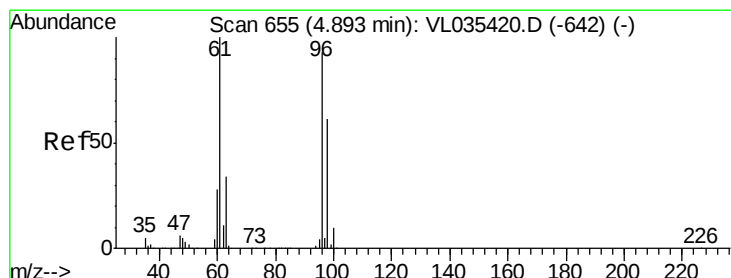
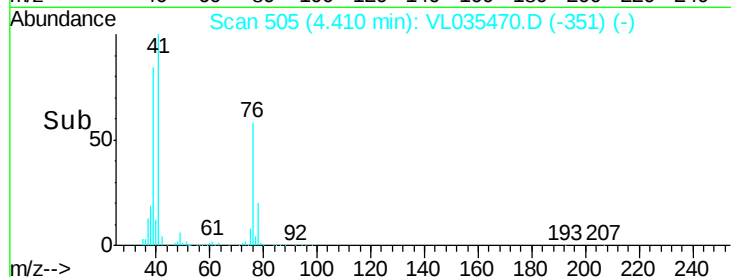
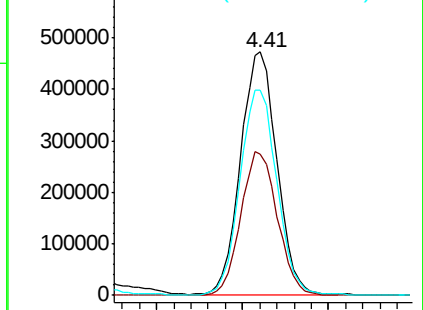
39 86.7 66.2 99.2



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 10.283 ppbv

RT: 4.88 min Scan# 652

Delta R.T. -0.01 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

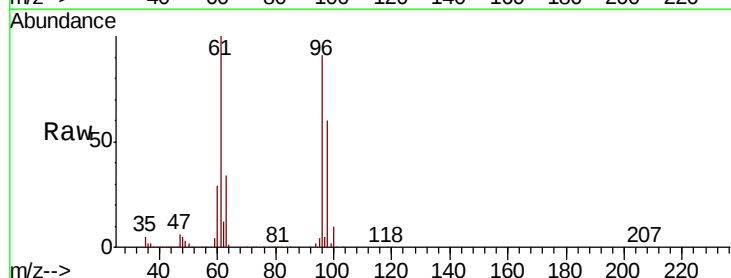
Tgt Ion: 96 Resp: 1139448

Ion Ratio Lower Upper

96 100

61 110.3 142.2 213.2#

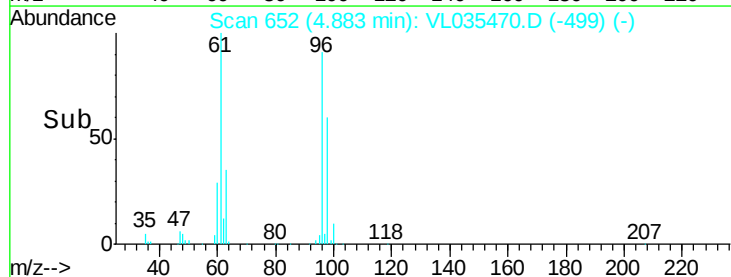
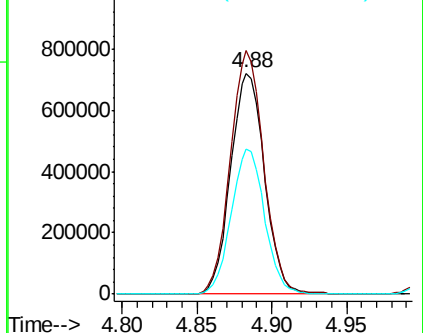
98 65.9 51.8 77.8

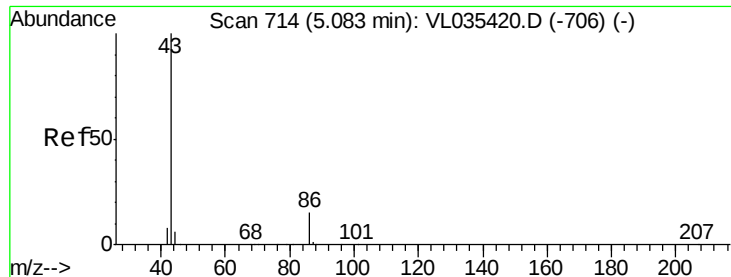


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 10.237 ppbv

RT: 5.08 min Scan# 712

Delta R.T. -0.00 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

Instrument :

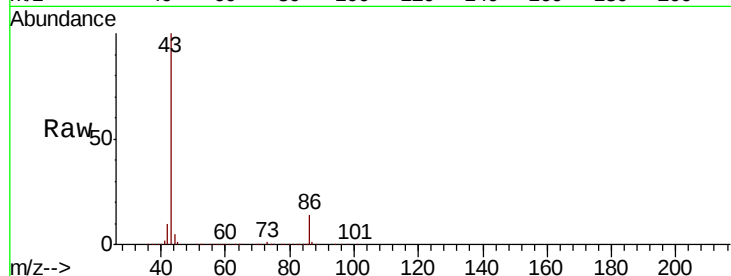
MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1827718

Ion	Ratio	Lower	Upper
43	100		
86	14.2	6.5	9.7#
42	9.6	8.3	12.5
44	5.1	4.0	6.0

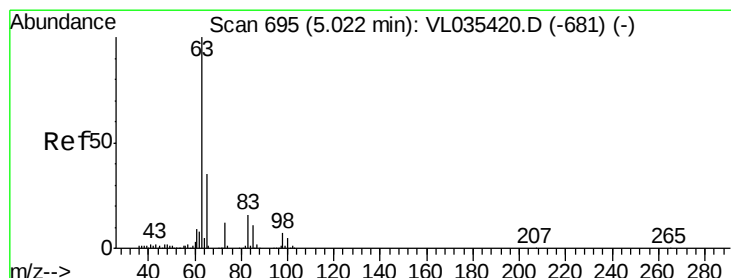
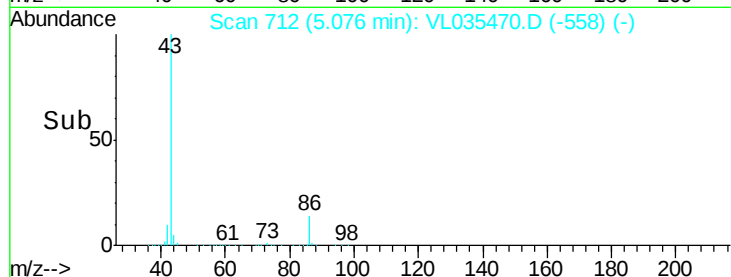
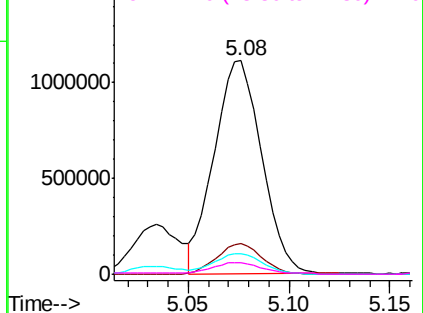


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.075 ppbv

RT: 5.01 min Scan# 692

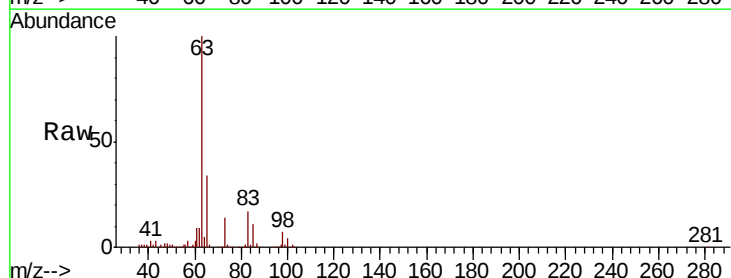
Delta R.T. -0.00 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

Tgt Ion: 63 Resp: 1795258

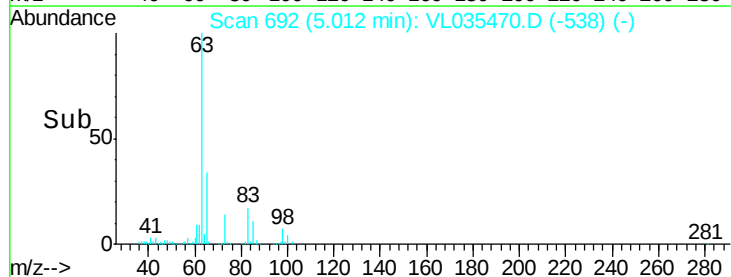
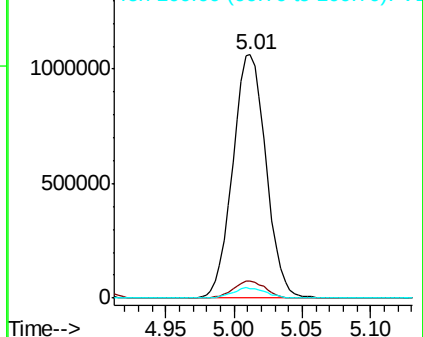
Ion	Ratio	Lower	Upper
63	100		
98	6.8	2.1	6.5#
100	4.1	1.3	3.8#

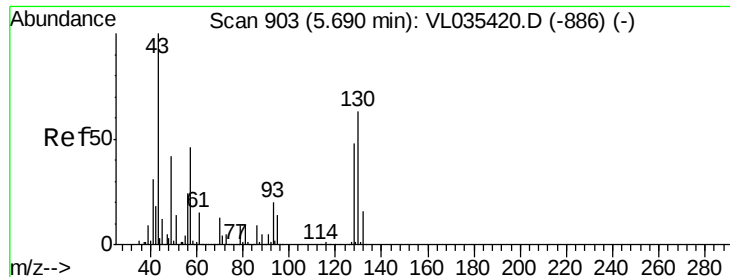


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



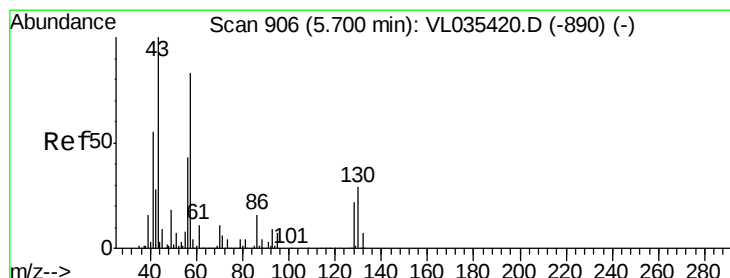
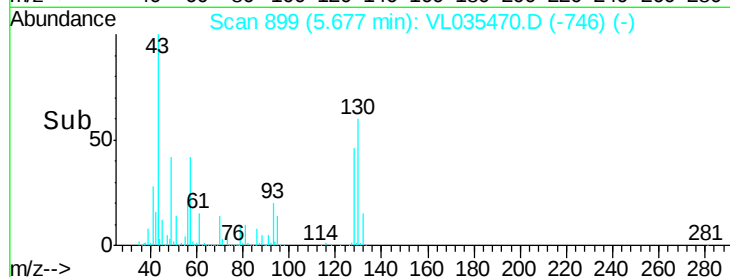
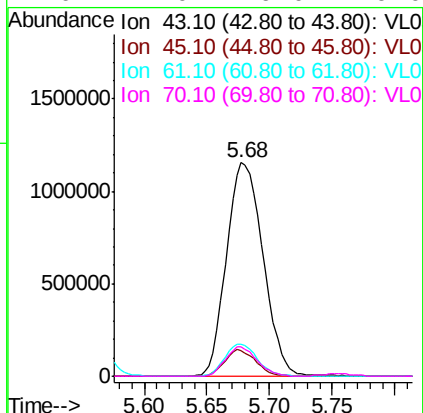
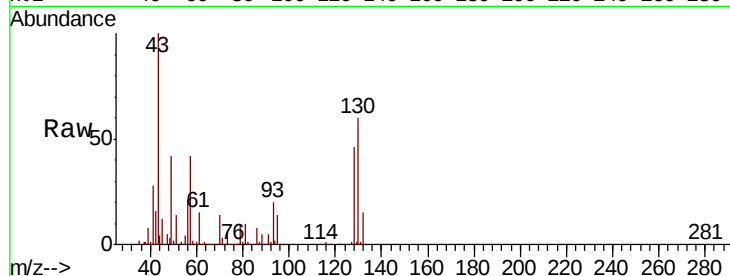


#25
Ethyl Acetate
Concen: 9.597 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.01 min
Lab File: VL035470.D
Acq: 20 Aug 2020 9:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 2332362

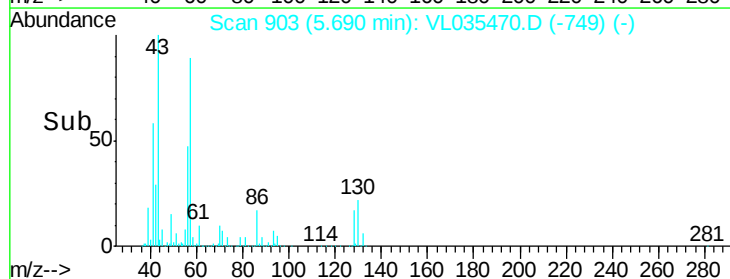
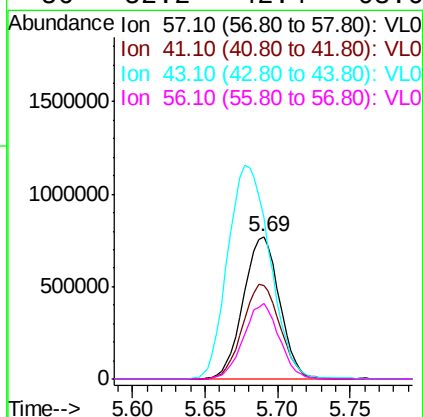
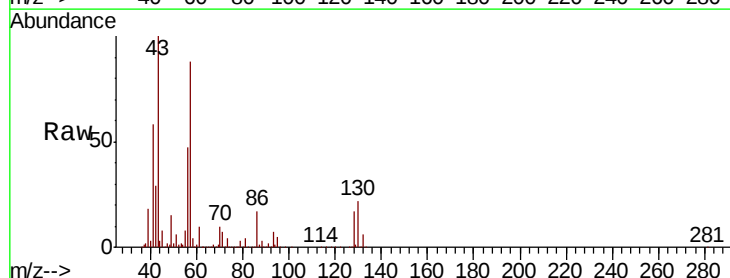
Ion	Ratio	Lower	Upper
43	100		
45	10.8	8.3	12.5
61	13.5	7.6	11.4#
70	12.0	6.0	9.0#

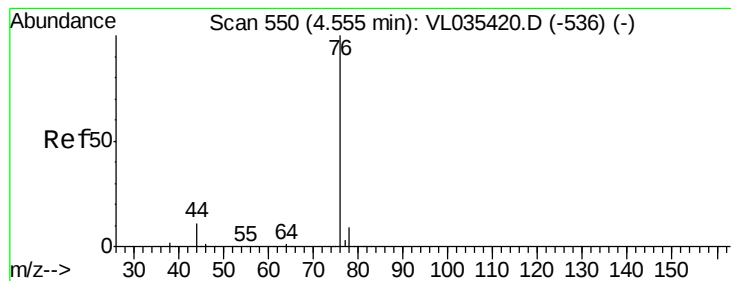


#26
Hexane
Concen: 9.759 ppbv
RT: 5.69 min Scan# 903
Delta R.T. -0.00 min
Lab File: VL035470.D
Acq: 20 Aug 2020 9:00

Tgt Ion: 57 Resp: 1338447

Ion	Ratio	Lower	Upper
57	100		
41	69.8	75.5	113.3#
43	175.1	181.7	272.5#
56	52.2	42.4	63.6





#27

Carbon Disulfide

Concen: 11.196 ppbv

RT: 4.55 min Scan# 547

Delta R.T. -0.01 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

Instrument :

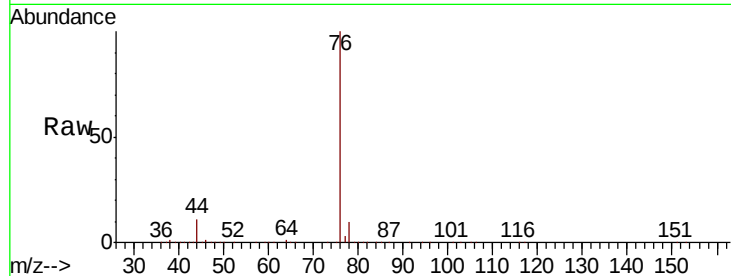
MSVOA_L

ClientSampleId :

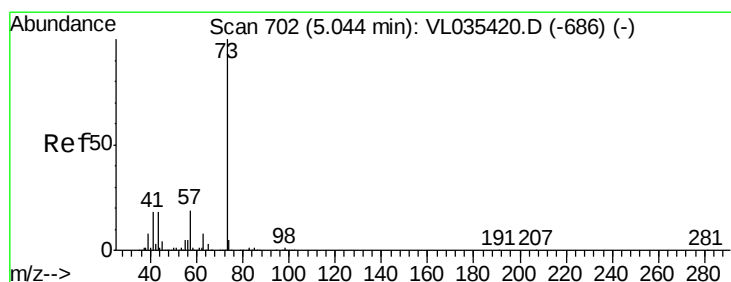
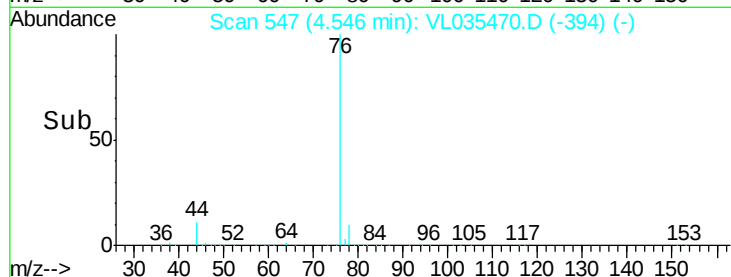
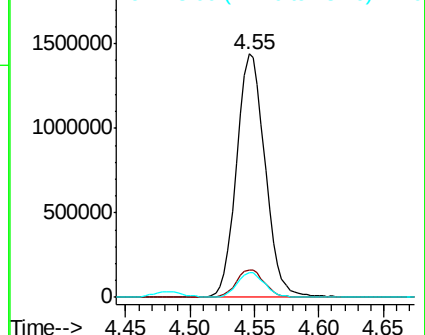
VSTDCCC010

Tot Ion: 76 Resp: 2219747

Ion	Ratio	Lower	Upper
76	100		
44	11.4	16.8	25.2#
78	9.8	7.3	10.9



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



#28

Methyl tert-Butyl Ether

Concen: 10.220 ppbv

RT: 5.03 min Scan# 699

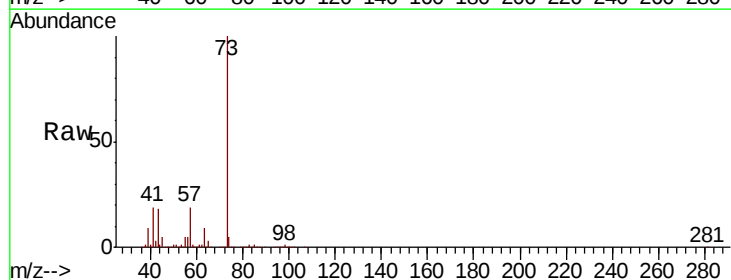
Delta R.T. -0.00 min

Lab File: VL035470.D

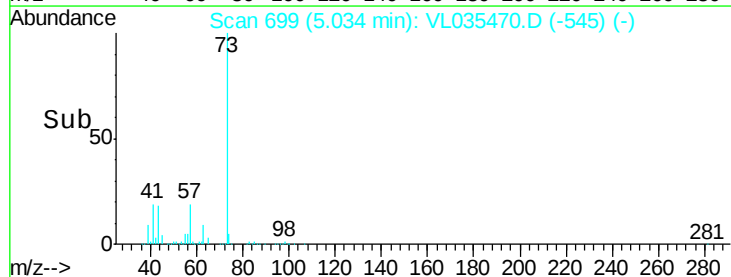
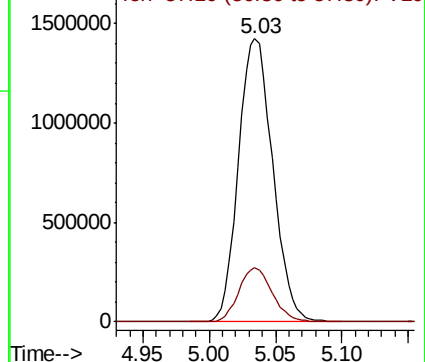
Acq: 20 Aug 2020 9:00

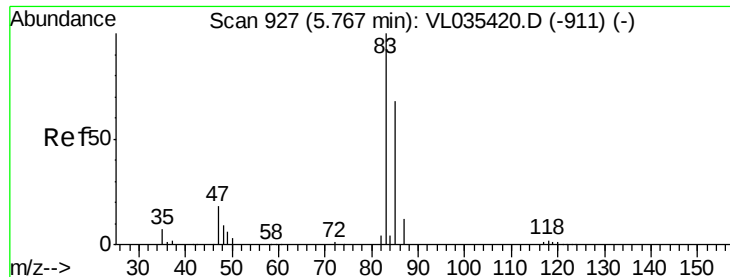
Tgt Ion: 73 Resp: 2560631

Ion	Ratio	Lower	Upper
73	100		
57	18.7	18.3	27.5



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

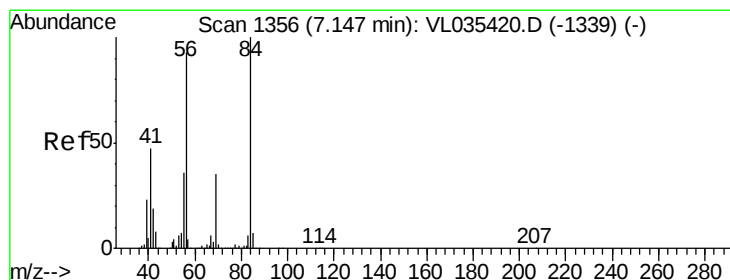
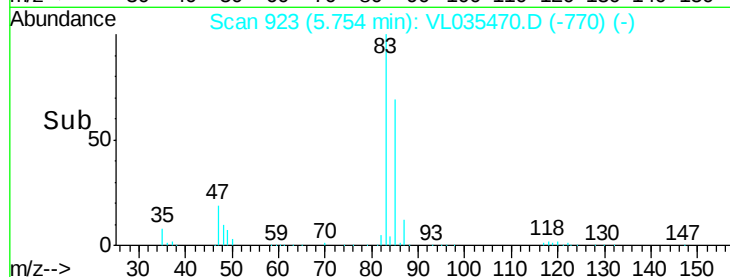
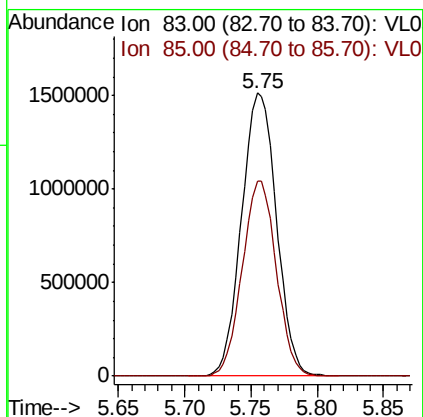
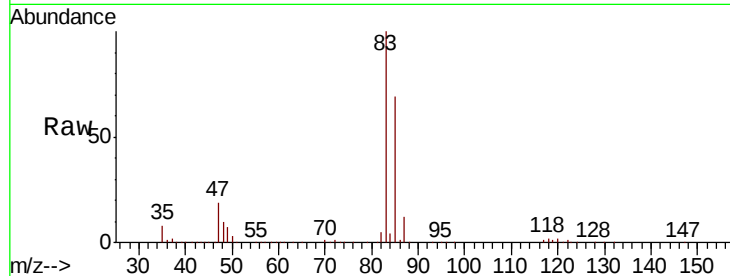




#29
Chloroform
Concen: 10.058 ppbv
RT: 5.75 min Scan# 923
Delta R.T. -0.01 min
Lab File: VL035470.D
Acq: 20 Aug 2020 9:00

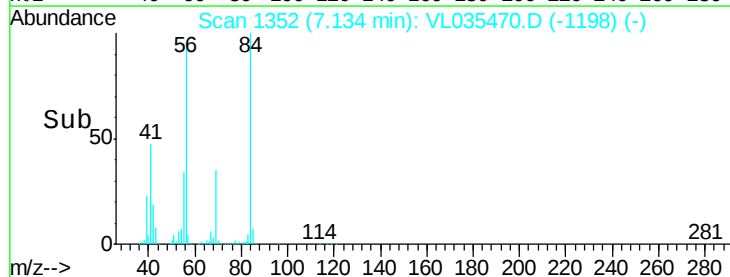
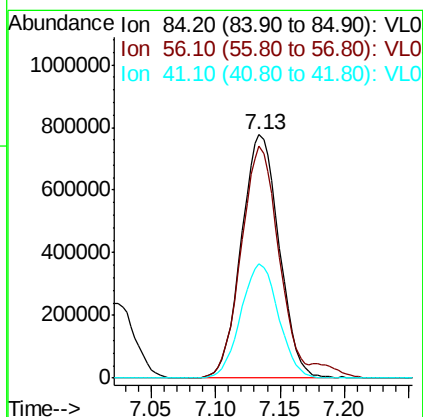
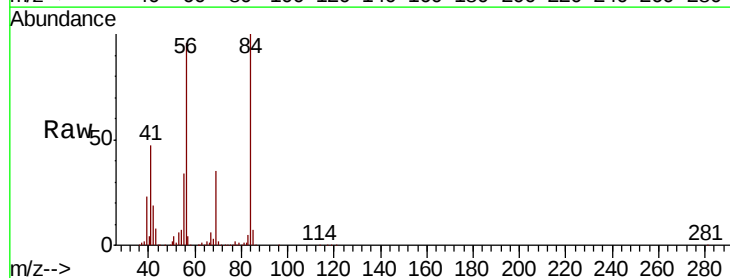
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

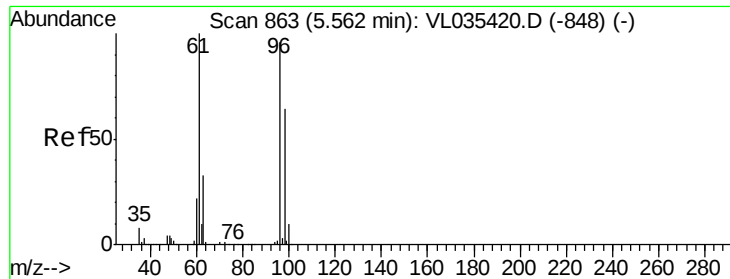
Tot Ion: 83 Resp: 2771578
Ion Ratio Lower Upper
83 100
85 68.8 52.7 79.1



#30
Cyclohexane
Concen: 10.408 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. -0.00 min
Lab File: VL035470.D
Acq: 20 Aug 2020 9:00

Tgt Ion: 84 Resp: 1583811
Ion Ratio Lower Upper
84 100
56 98.7 114.9 172.3#
41 47.1 72.3 108.5#



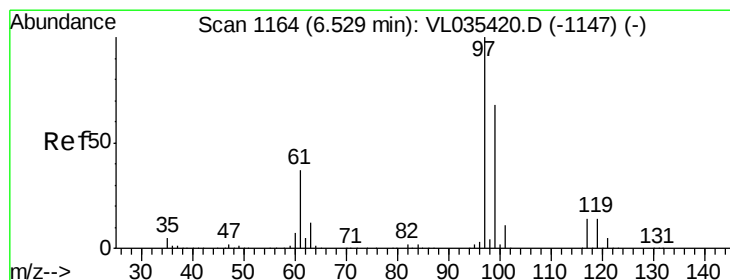
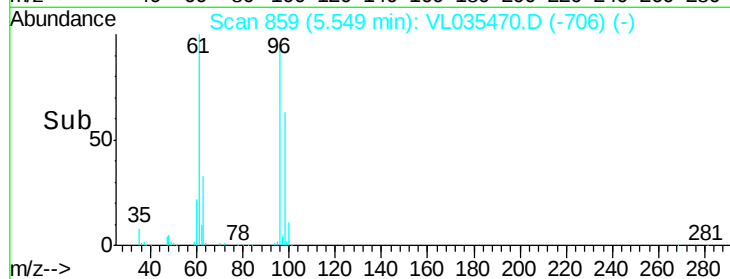
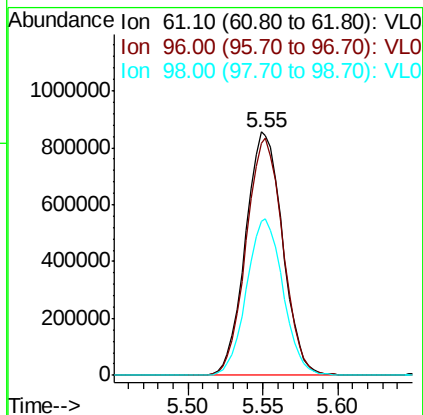
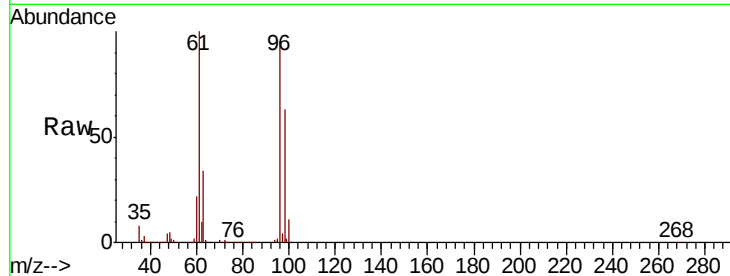


#31

cis-1,2-Dichloroethene
 Concen: 10.245 ppbv
 RT: 5.55 min Scan# 859
 Delta R.T. -0.01 min
 Lab File: VL035470.D
 Acq: 20 Aug 2020 9:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

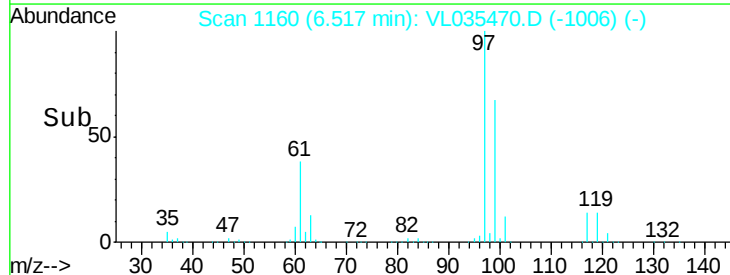
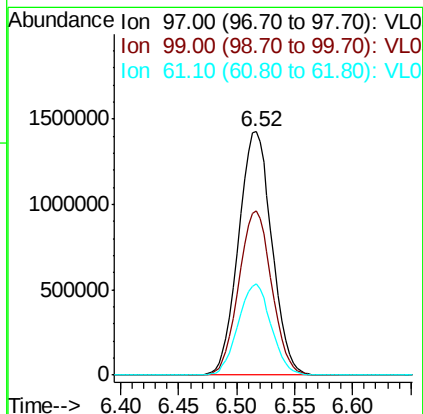
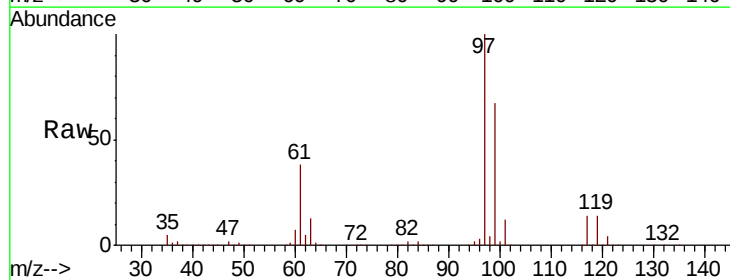
Tot Ion: 61 Resp: 1477808
 Ion Ratio Lower Upper
 61 100
 96 95.2 51.4 77.0#
 98 63.1 32.9 49.3#

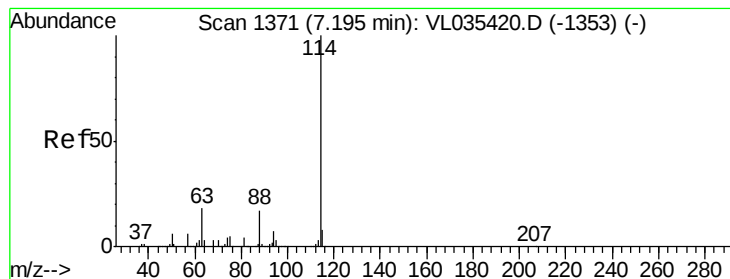


#32

1,1,1-Trichloroethane
 Concen: 11.021 ppbv
 RT: 6.52 min Scan# 1160
 Delta R.T. -0.00 min
 Lab File: VL035470.D
 Acq: 20 Aug 2020 9:00

Tgt Ion: 97 Resp: 2846351
 Ion Ratio Lower Upper
 97 100
 99 66.9 51.4 77.0
 61 37.2 41.0 61.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. -0.01 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

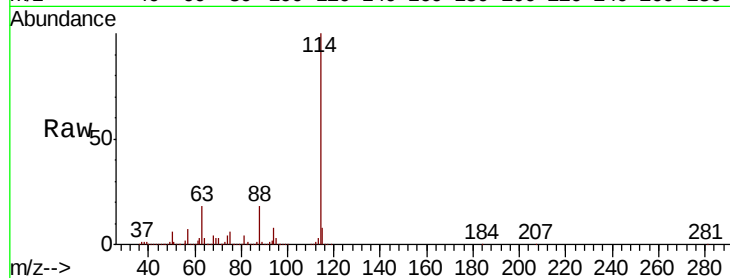
Tot Ion:114 Resp: 5060434

Ion Ratio Lower Upper

114 100

63 17.8 23.1 34.7#

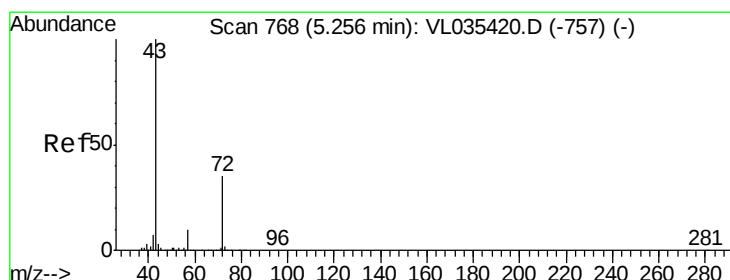
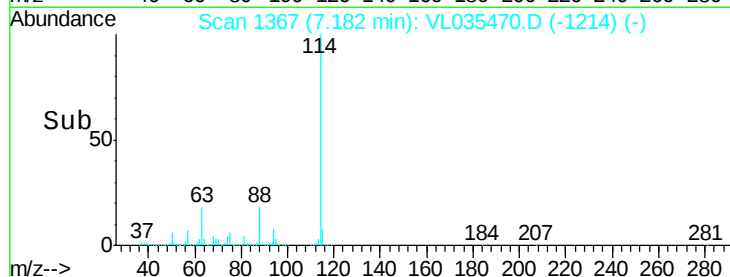
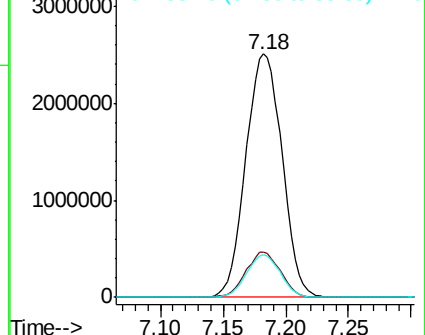
88 16.5 15.9 23.9



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 9.601 ppbv

RT: 5.25 min Scan# 765

Delta R.T. -0.00 min

Lab File: VL035470.D

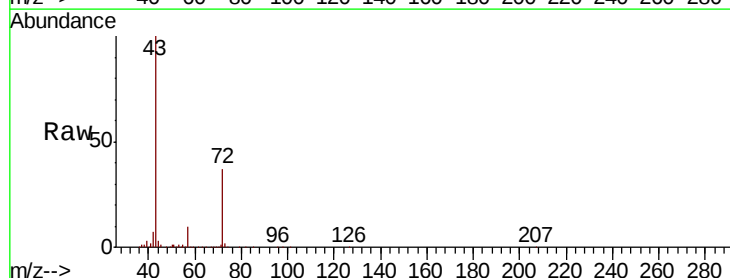
Acq: 20 Aug 2020 9:00

Tgt Ion: 43 Resp: 1623240

Ion Ratio Lower Upper

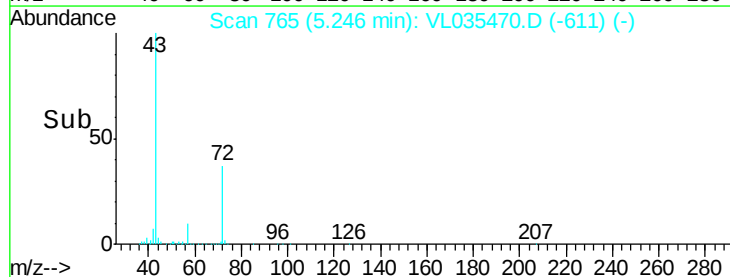
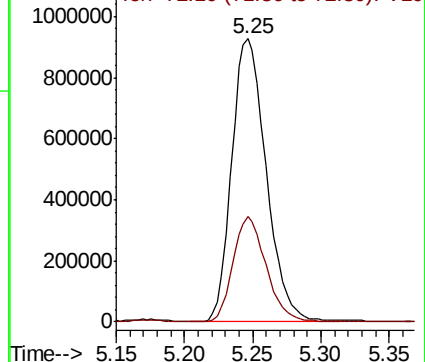
43 100

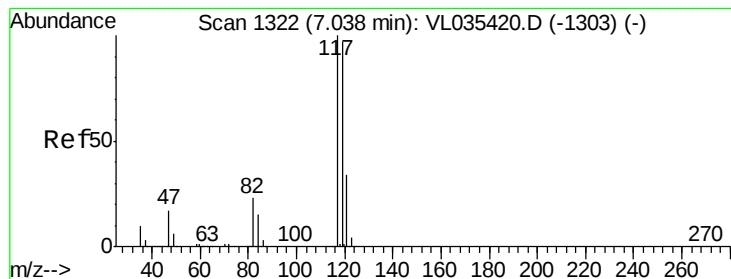
72 35.7 17.6 26.4#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 11.229 ppbv

RT: 7.02 min Scan# 1317

Delta R.T. -0.01 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

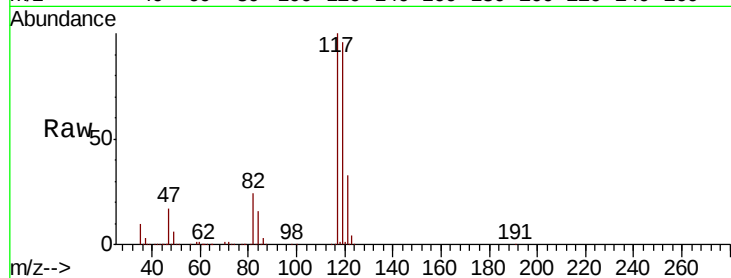
Tot Ion:117 Resp: 3022215

Ion Ratio Lower Upper

117 100

119 96.2 76.1 114.1

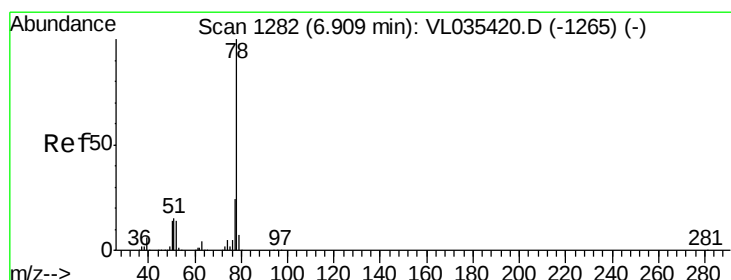
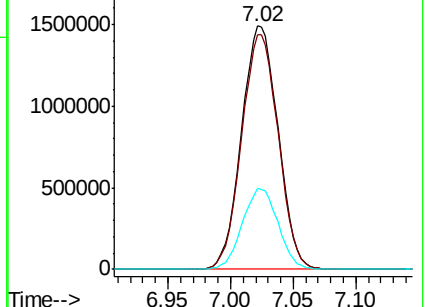
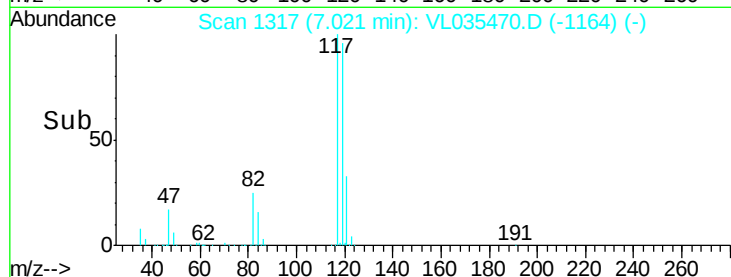
121 33.1 25.5 38.3



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: 9.734 ppbv

RT: 6.90 min Scan# 1278

Delta R.T. -0.01 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

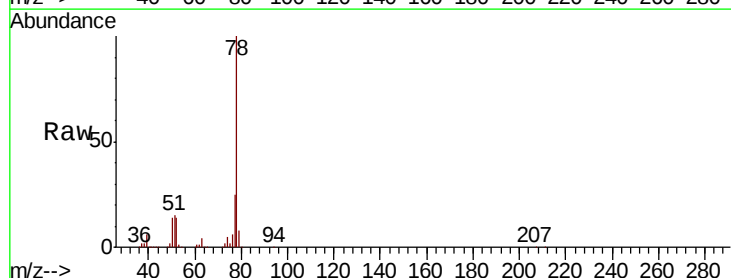
Tgt Ion: 78 Resp: 3615250

Ion Ratio Lower Upper

78 100

77 24.5 19.6 29.4

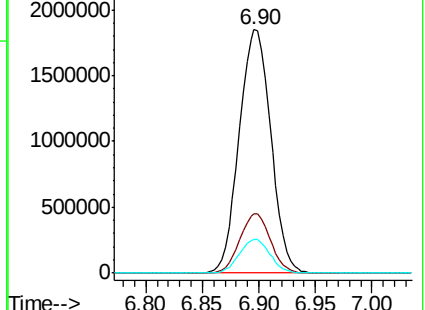
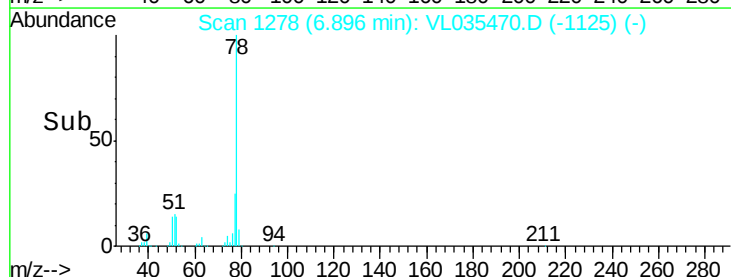
50 14.1 16.3 24.5#

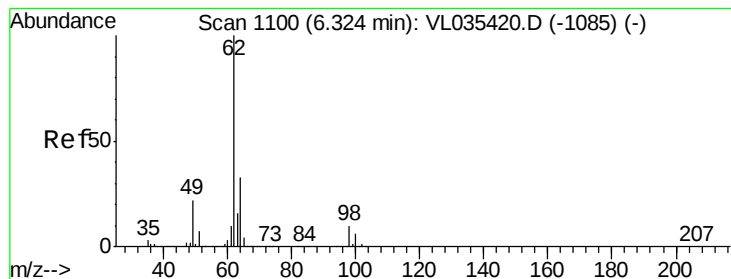


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 10.007 ppbv

RT: 6.31 min Scan# 1096

Delta R.T. -0.01 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

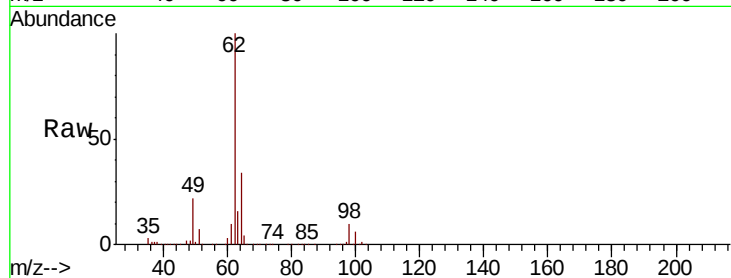
VSTDCCC010

Tot Ion: 62 Resp: 1698578

Ion Ratio Lower Upper

62 100

98 9.4 4.6 7.0#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.31

1000000

800000

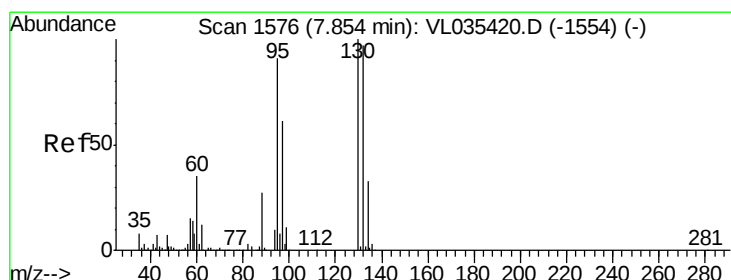
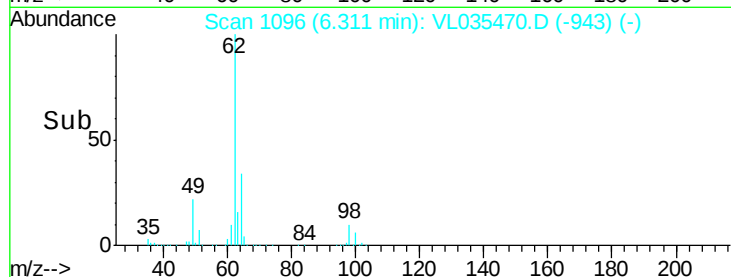
600000

400000

200000

0

Time-->



#38

Trichloroethene

Concen: 9.561 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. -0.01 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

Tgt Ion: 130 Resp: 1975358

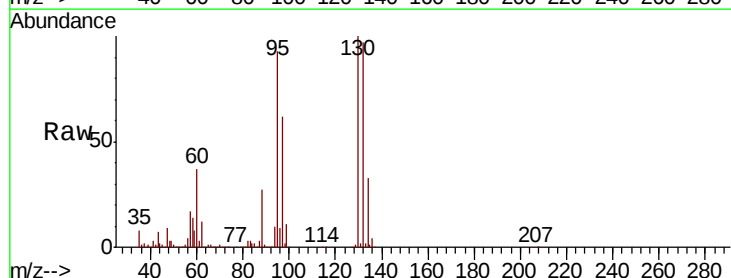
Ion Ratio Lower Upper

130 100

95 92.7 95.8 143.8#

132 97.2 74.3 111.5

97 62.0 62.6 94.0#



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

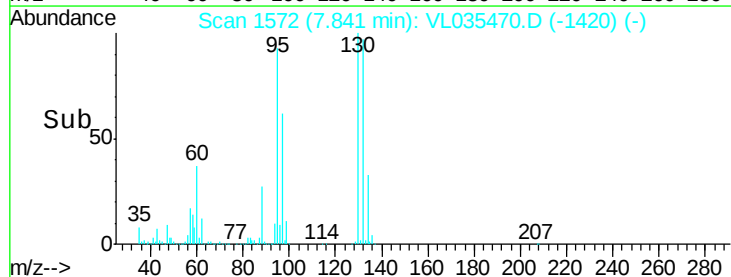
1500000

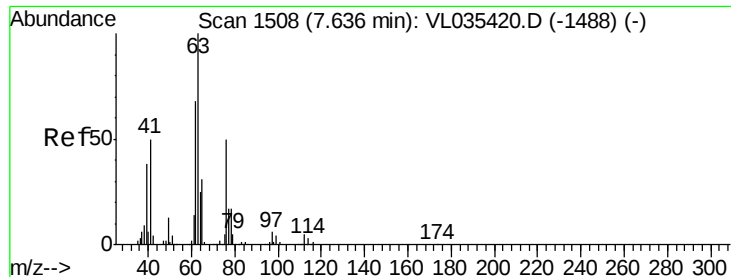
1000000

500000

0

Time-->





#39

1,2-Dichloropropane

Concen: 9.773 ppbv

RT: 7.62 min Scan# 1503

Delta R.T. -0.01 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

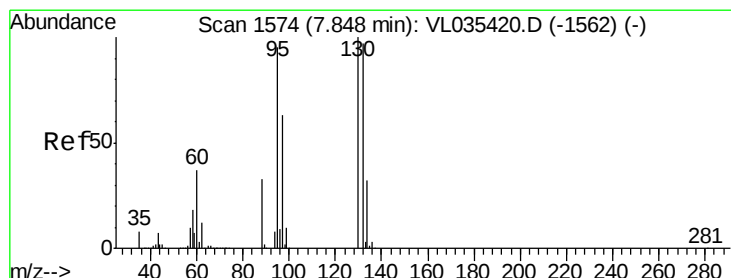
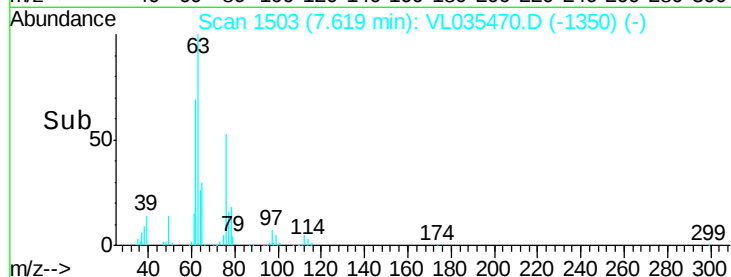
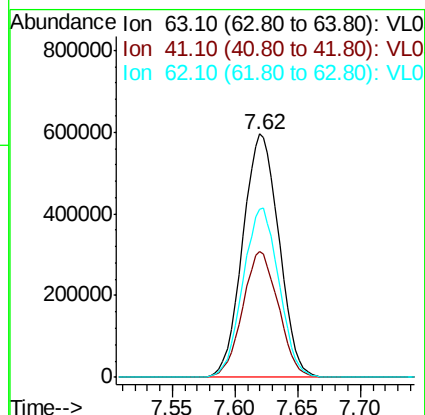
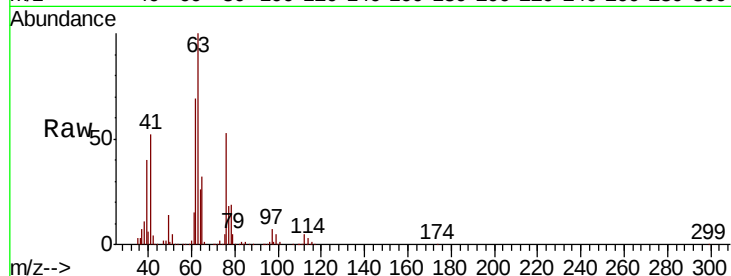
Tot Ion: 63 Resp: 1196299

Ion Ratio Lower Upper

63 100

41 51.7 61.1 91.7#

62 69.2 55.3 82.9



#40

1,4-Dioxane

Concen: 9.836 ppbv

RT: 7.83 min Scan# 1570

Delta R.T. -0.01 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

Tgt Ion: 88 Resp: 655842

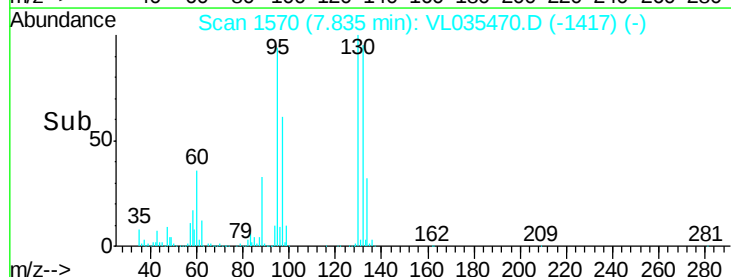
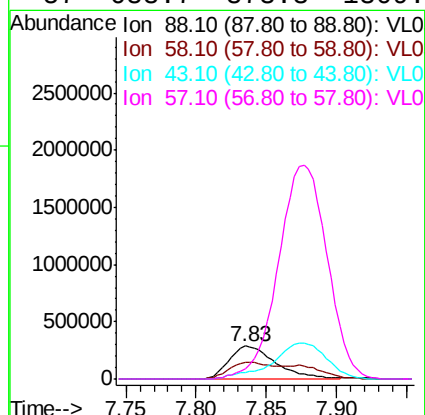
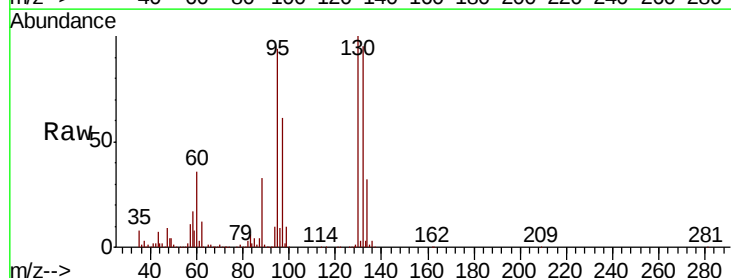
Ion Ratio Lower Upper

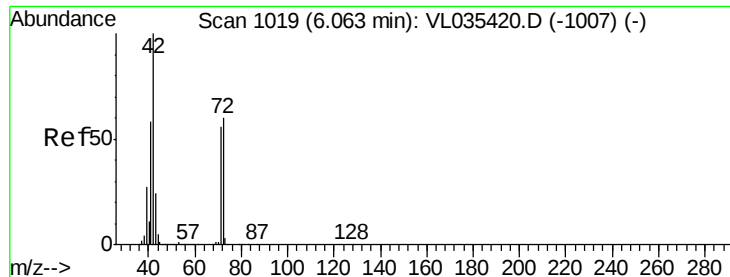
88 100

58 86.2 106.6 160.0#

43 128.3 209.7 314.5#

57 688.7 873.3 1309.9#





#41

Tetrahydrofuran

Concen: 10.034 ppbv

RT: 6.05 min Scan# 1015

Delta R.T. -0.01 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

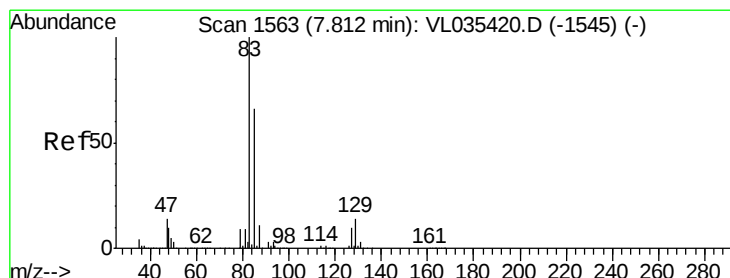
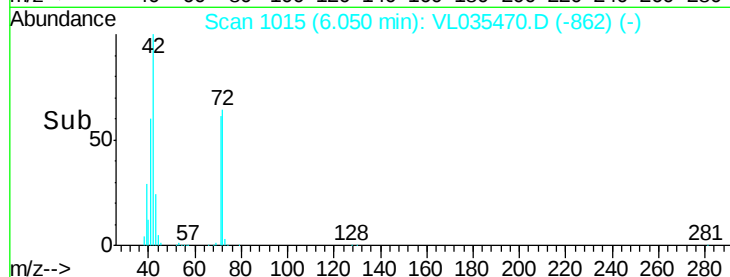
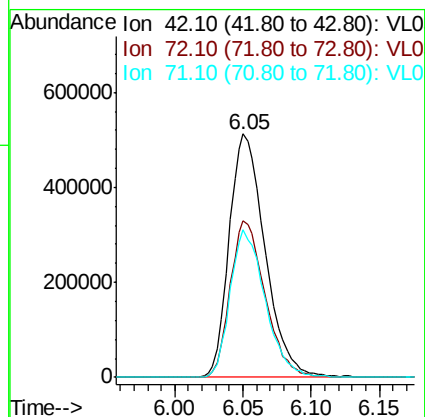
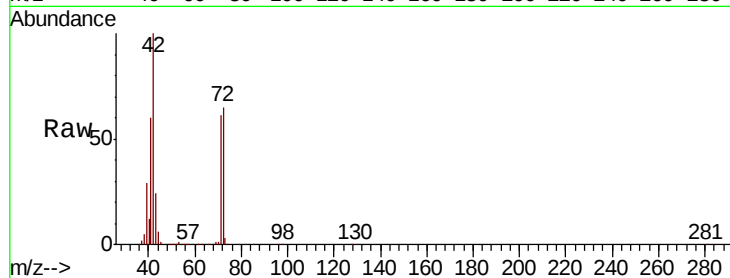
Tot Ion: 42 Resp: 935828

Ion Ratio Lower Upper

42 100

72 63.3 29.4 44.2#

71 59.4 28.9 43.3#



#42

Bromodichloromethane

Concen: 10.451 ppbv

RT: 7.80 min Scan# 1559

Delta R.T. -0.01 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

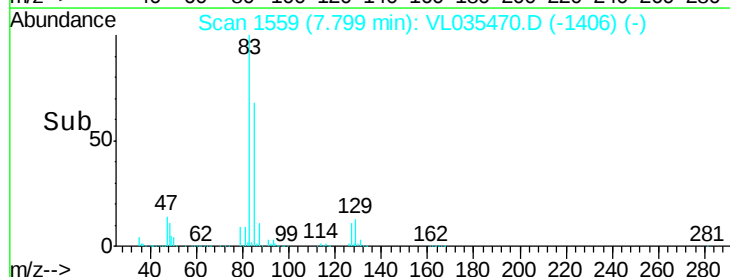
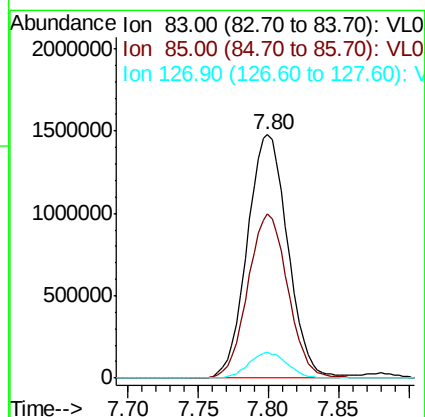
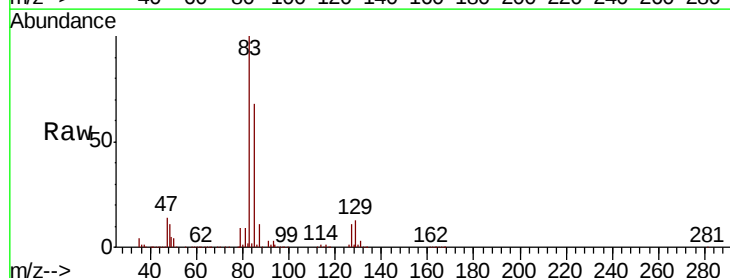
Tgt Ion: 83 Resp: 2968387

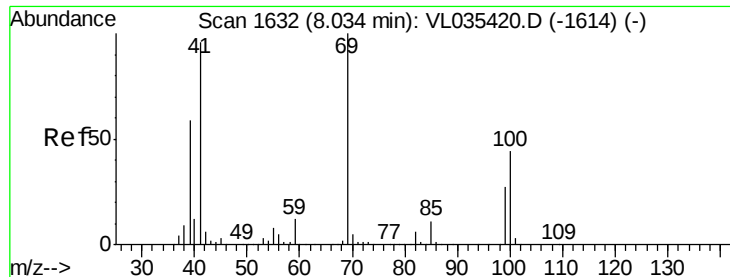
Ion Ratio Lower Upper

83 100

85 67.7 54.8 82.2

127 10.6 6.1 9.1#

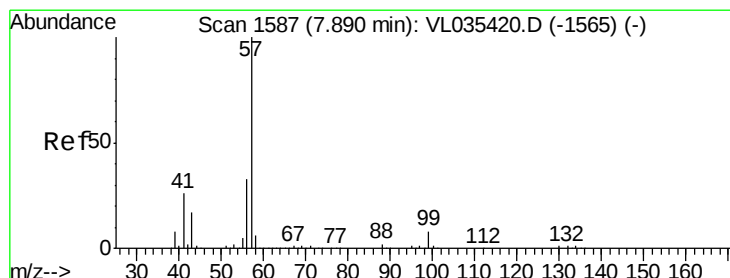
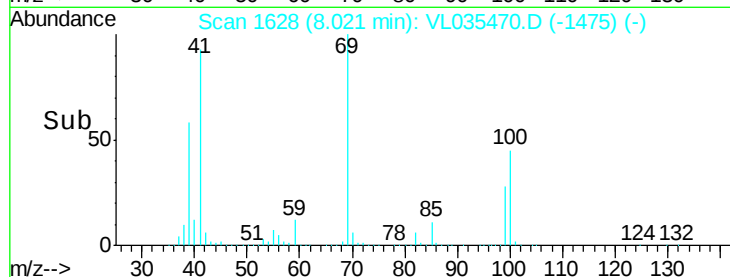
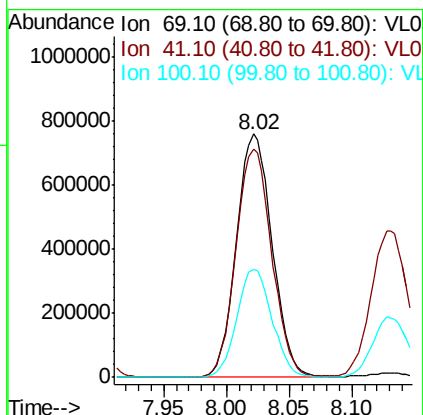
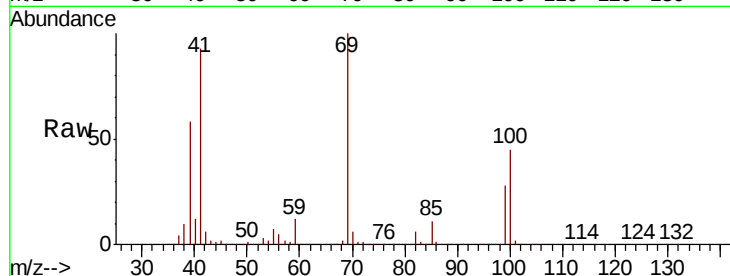




#43
Methvl Methacrilate
Concen: 10.358 ppbv
RT: 8.02 min Scan# 1628
Delta R.T. -0.01 min
Lab File: VL035470.D
Acq: 20 Aug 2020 9:00

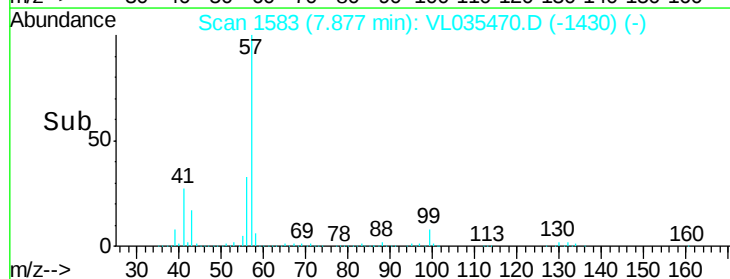
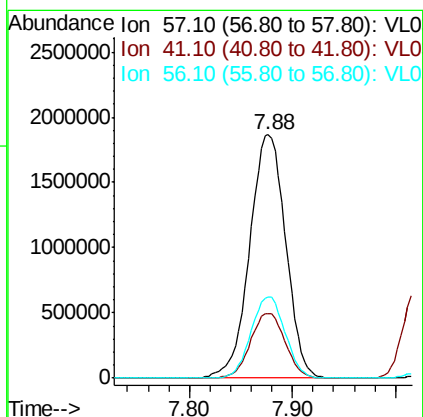
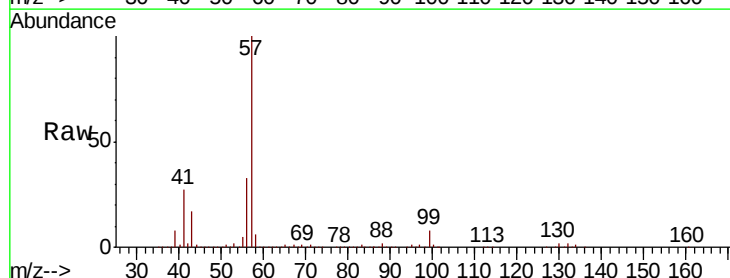
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

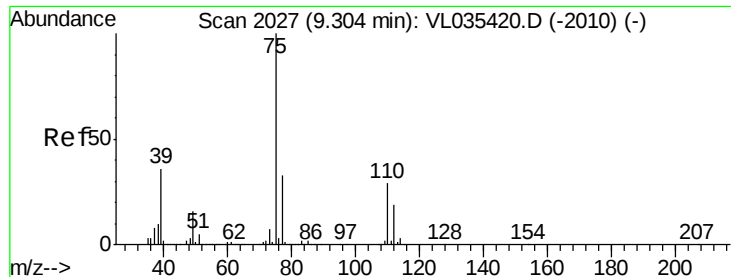
Tot Ion: 69 Resp: 1504434
Ion Ratio Lower Upper
69 100
41 94.1 123.4 185.0#
100 43.7 24.2 36.4#



#44
2,2,4-Trimethylpentane
Concen: 9.302 ppbv
RT: 7.88 min Scan# 1583
Delta R.T. -0.01 min
Lab File: VL035470.D
Acq: 20 Aug 2020 9:00

Tgt Ion: 57 Resp: 4511523
Ion Ratio Lower Upper
57 100
41 25.6 27.2 40.8#
56 31.8 25.4 38.0





#45

t-1,3-Dichloropropene

Concen: 11.897 ppbv

RT: 9.29 min Scan# 2022

Delta R.T. -0.01 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

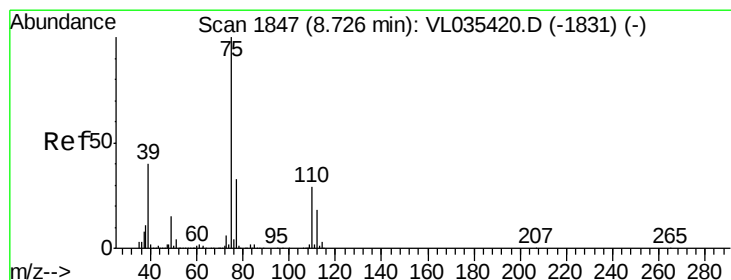
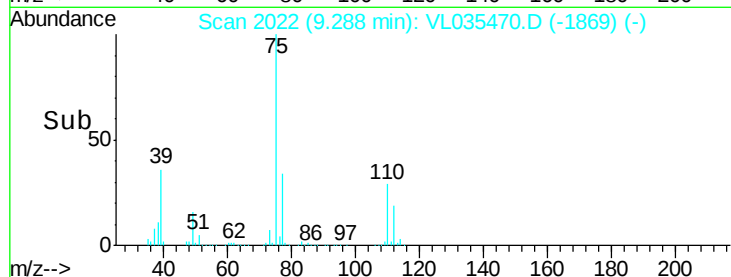
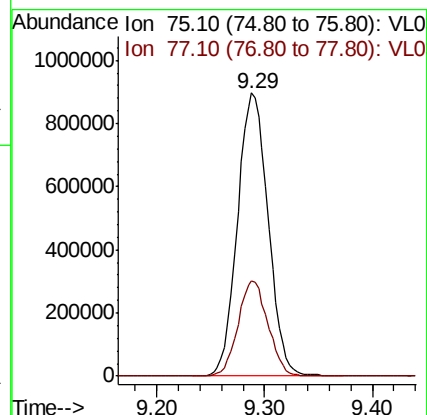
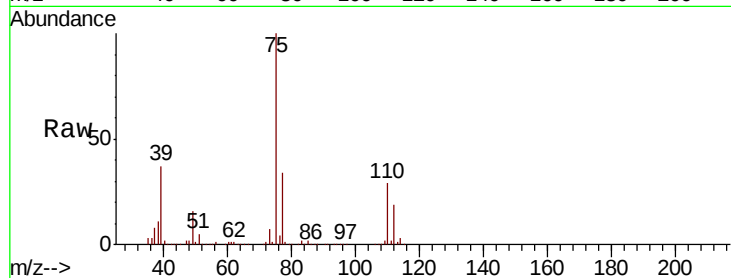
VSTDCCC010

Tot Ion: 75 Resp: 1779877

Ion Ratio Lower Upper

75 100

77 33.7 25.0 37.6



#46

cis-1,3-Dichloropropene

Concen: 11.162 ppbv

RT: 8.71 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

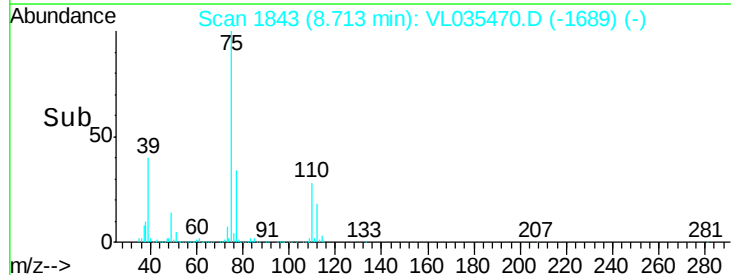
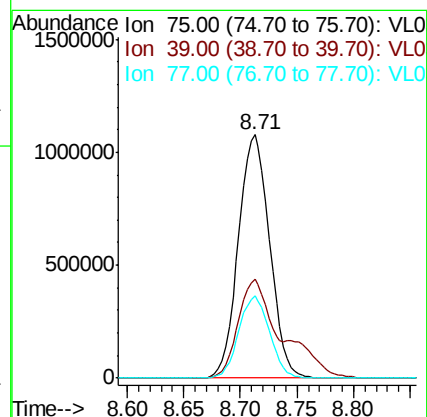
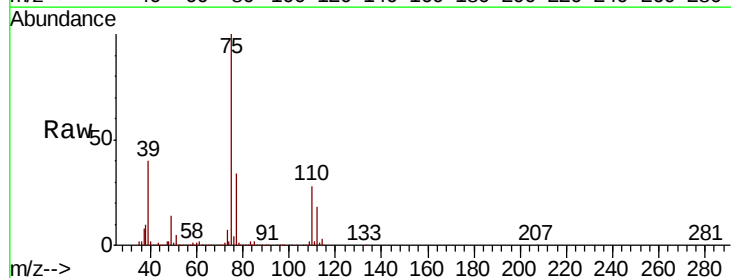
Tgt Ion: 75 Resp: 2080301

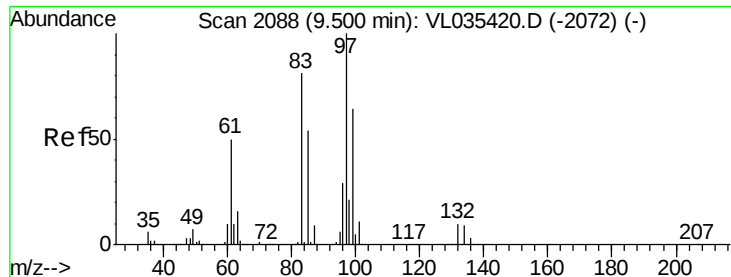
Ion Ratio Lower Upper

75 100

39 40.4 55.8 83.6#

77 33.9 25.6 38.4



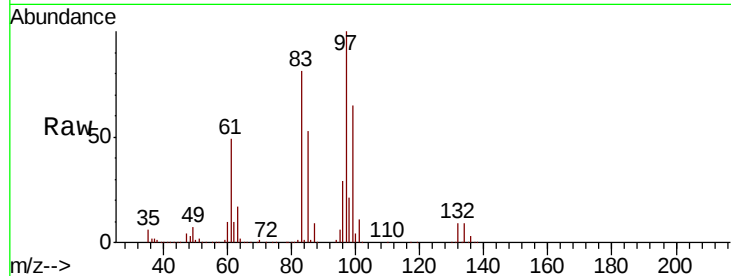


#47
 1,1,2-Trichloroethane
 Concen: 9.922 ppbv
 RT: 9.49 min Scan# 2084
 Delta R.T. -0.01 min
 Lab File: VL035470.D
 Acq: 20 Aug 2020 9:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 97 Resp: 1814123

Ion	Ratio	Lower	Upper
97	100		
83	81.0	72.1	108.1
85	53.1	46.8	70.2
99	65.2	48.6	73.0



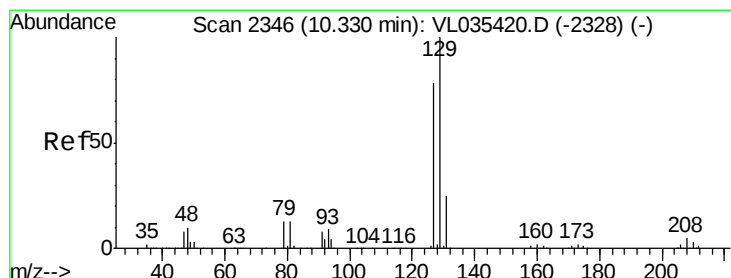
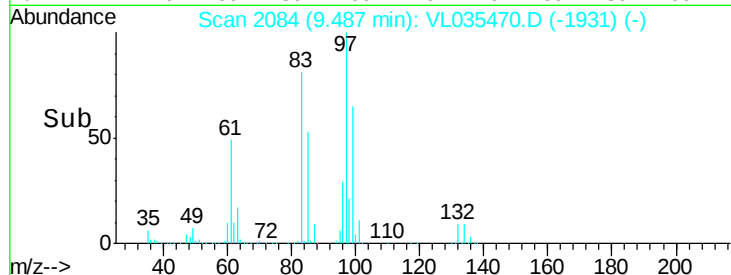
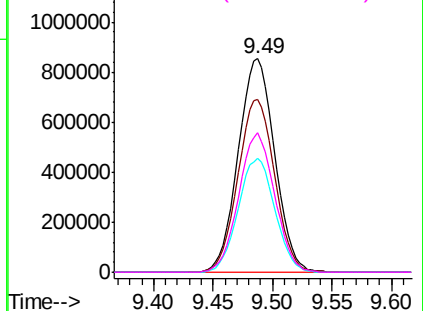
Abundance

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

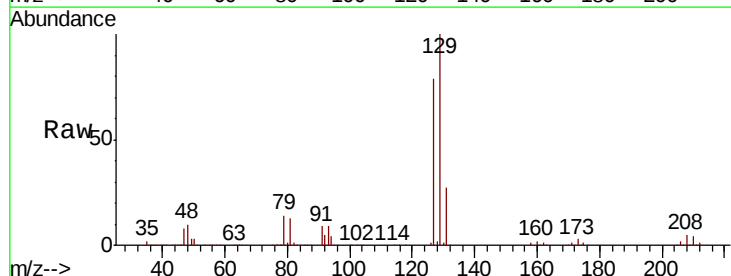
Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 10.567 ppbv
 RT: 10.32 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VL035470.D
 Acq: 20 Aug 2020 9:00

Tgt Ion: 129 Resp: 3241002

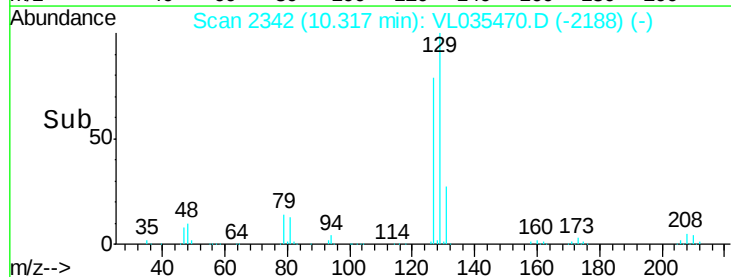
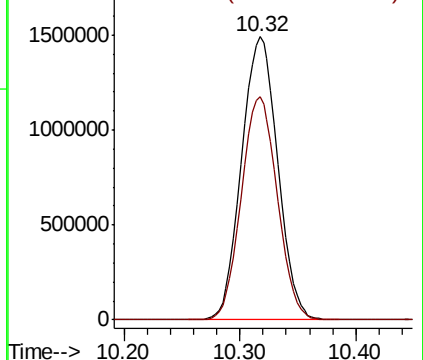
Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.5	118.5

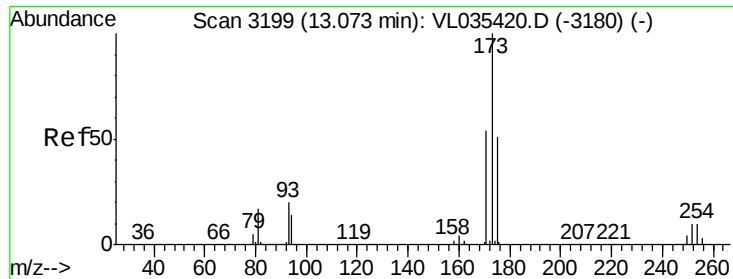


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.778 ppbv

RT: 13.06 min Scan# 3195

Delta R.T. -0.00 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

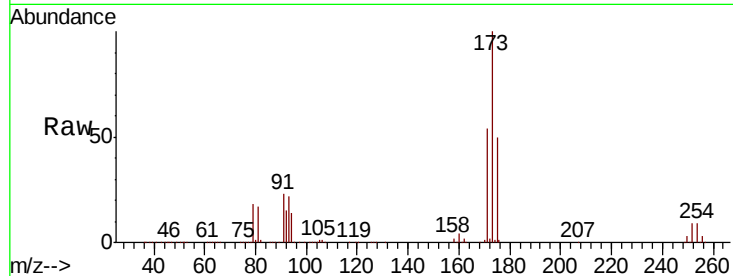
Tot Ion:173 Resp: 3184639

Ion Ratio Lower Upper

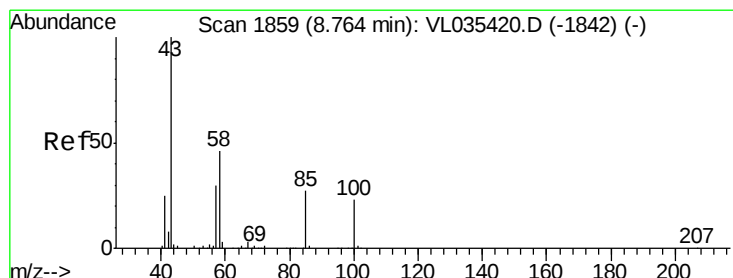
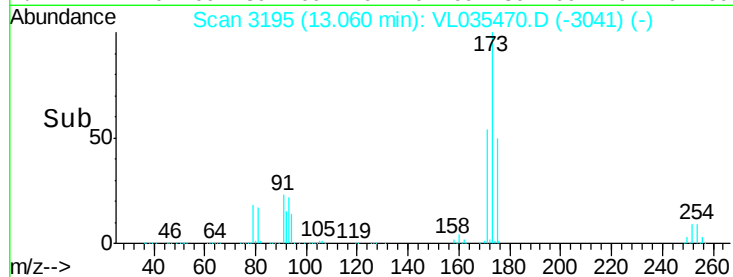
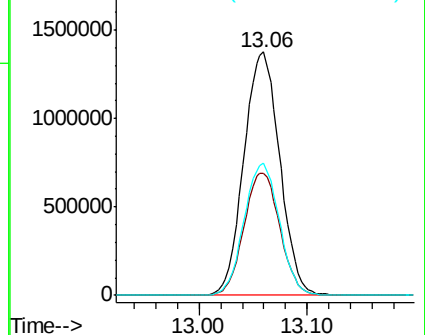
173 100

175 50.3 39.8 59.8

171 53.7 42.4 63.6



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: 9.862 ppbv

RT: 8.75 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VL035470.D

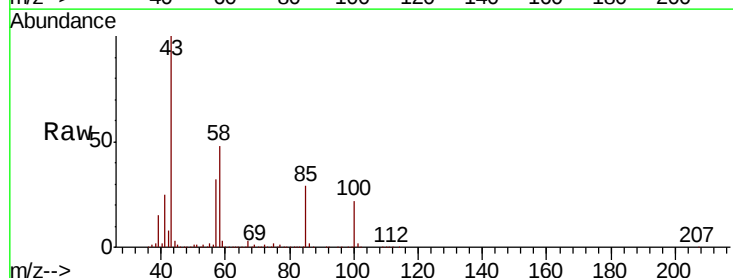
Acq: 20 Aug 2020 9:00

Tgt Ion: 43 Resp: 2391767

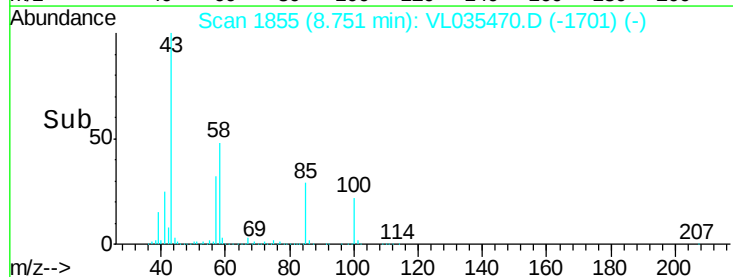
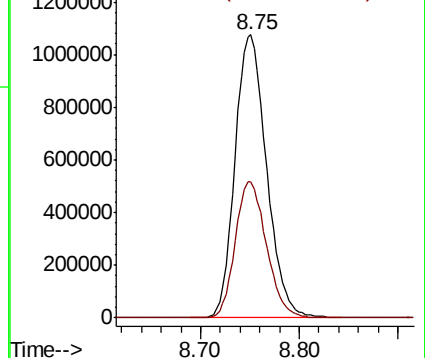
Ion Ratio Lower Upper

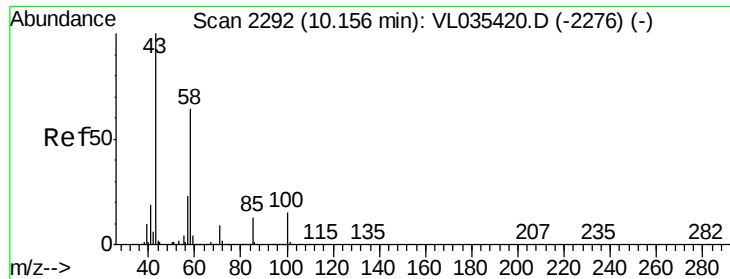
43 100

58 47.7 28.7 43.1#



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





#51

2-Hexanone

Concen: 10.049 ppbv

RT: 10.14 min Scan# 2288

Delta R.T. -0.01 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

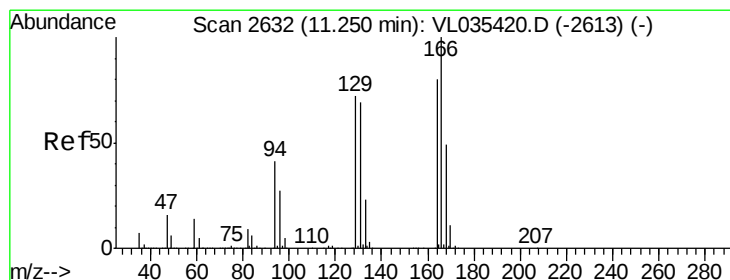
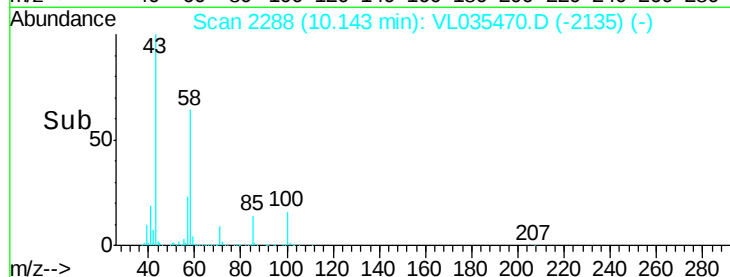
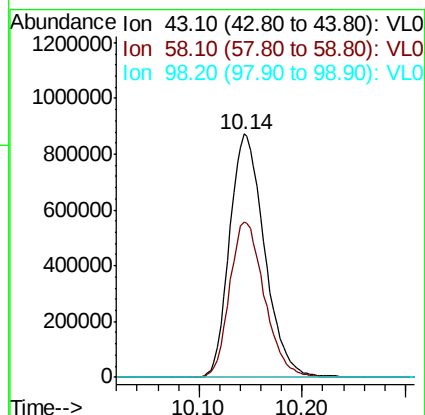
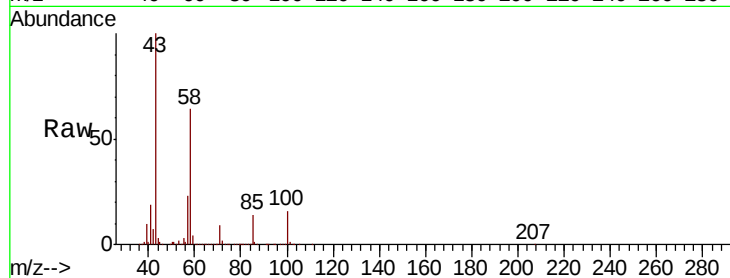
Tot Ion: 43 Resp: 2054313

Ion Ratio Lower Upper

43 100

58 63.8 38.6 58.0#

98 0.3 0.2 0.2#



#52

Tetrachloroethene

Concen: 9.346 ppbv

RT: 11.24 min Scan# 2628

Delta R.T. -0.01 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

Tgt Ion: 164 Resp: 2117417

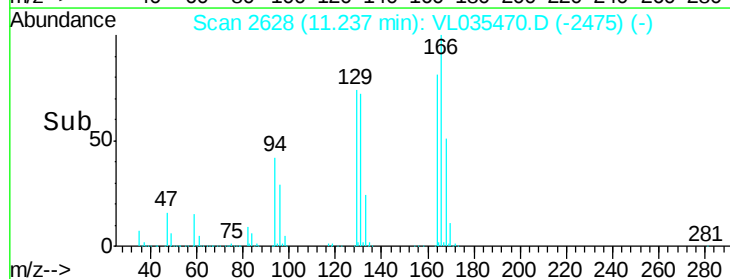
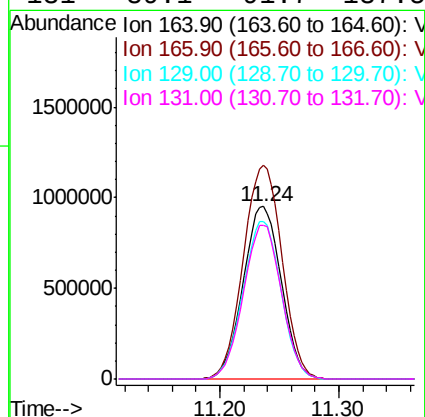
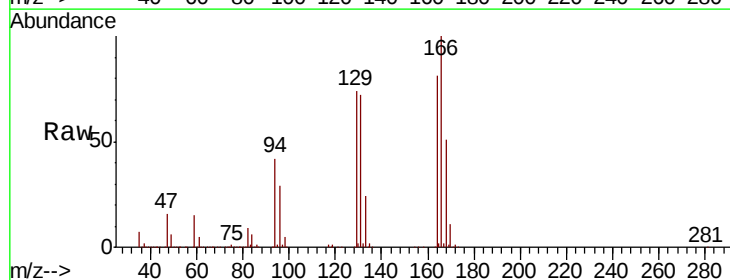
Ion Ratio Lower Upper

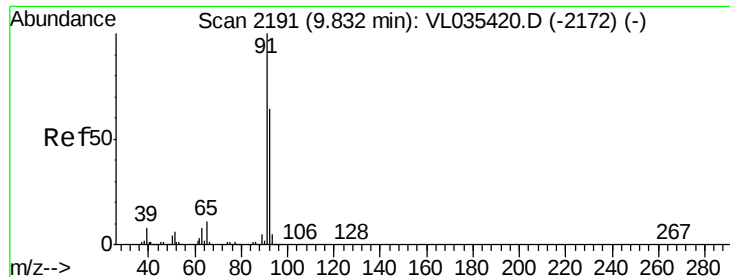
164 100

166 123.9 103.4 155.0

129 91.5 90.2 135.4

131 89.1 91.7 137.5#





#53

Toluene

Concen: 9.713 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. -0.01 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

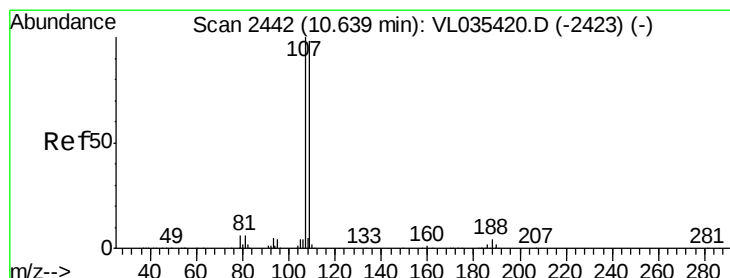
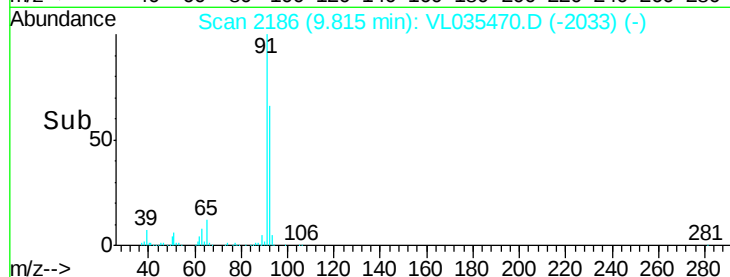
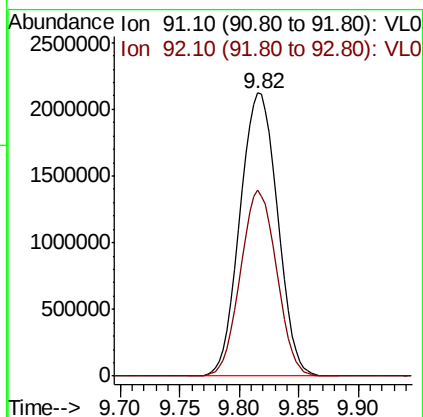
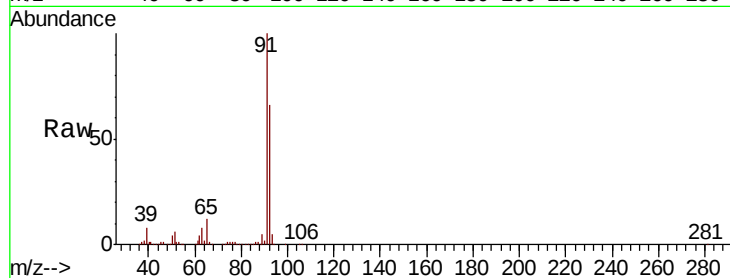
VSTDCCC010

Tot Ion: 91 Resp: 4646445

Ion Ratio Lower Upper

91 100

92 63.2 49.1 73.7



#54

1,2-Dibromoethane

Concen: 9.911 ppbv

RT: 10.62 min Scan# 2437

Delta R.T. -0.01 min

Lab File: VL035470.D

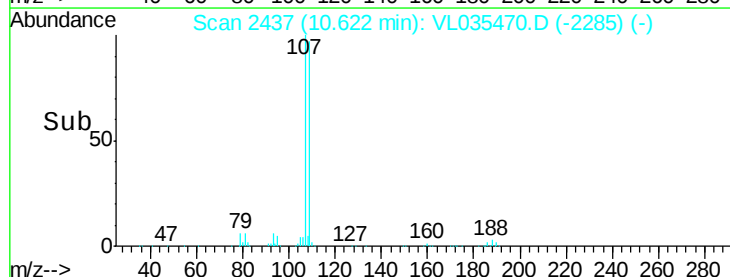
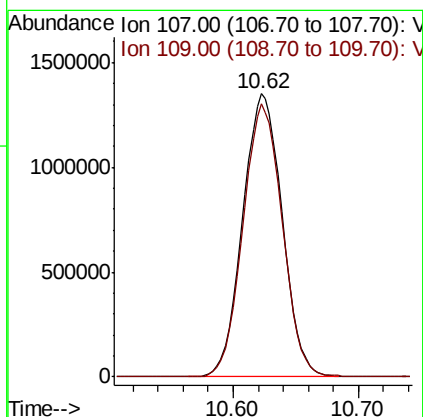
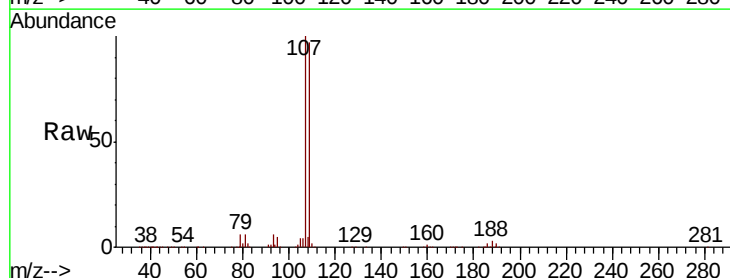
Acq: 20 Aug 2020 9:00

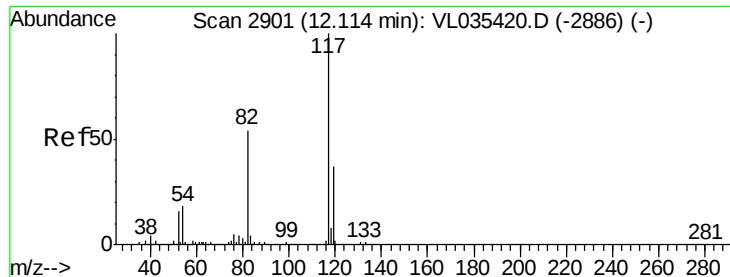
Tgt Ion: 107 Resp: 2943141

Ion Ratio Lower Upper

107 100

109 96.6 75.1 112.7

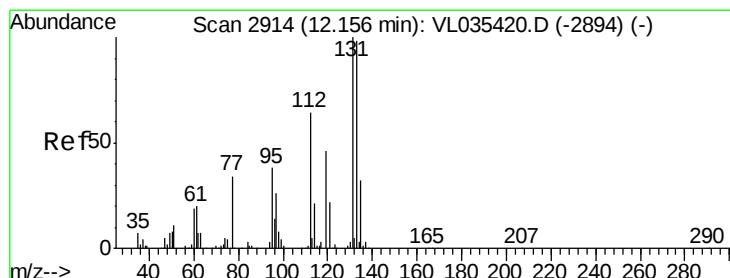
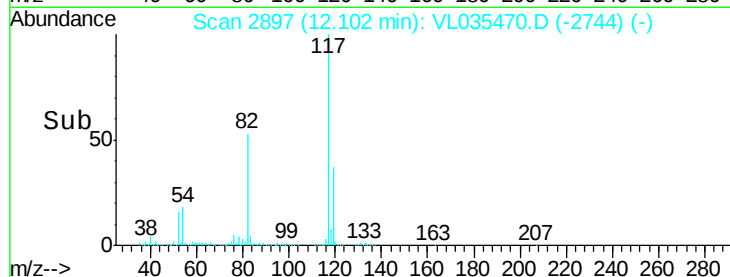
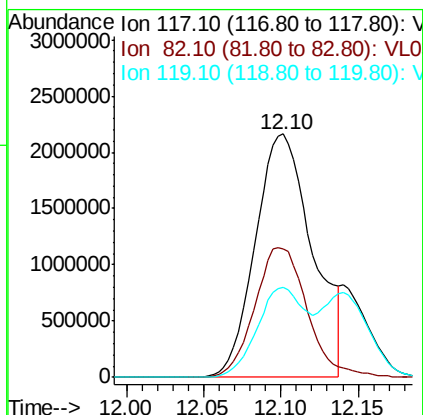
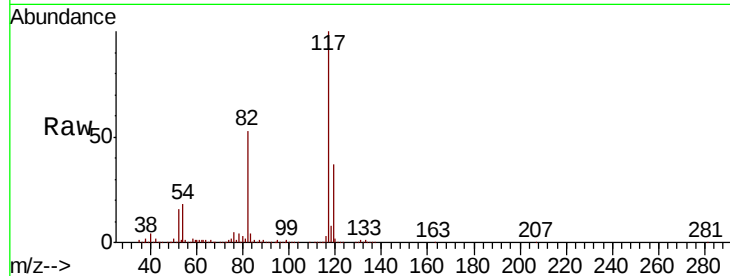




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.01 min
Lab File: VL035470.D
Acq: 20 Aug 2020 9:00

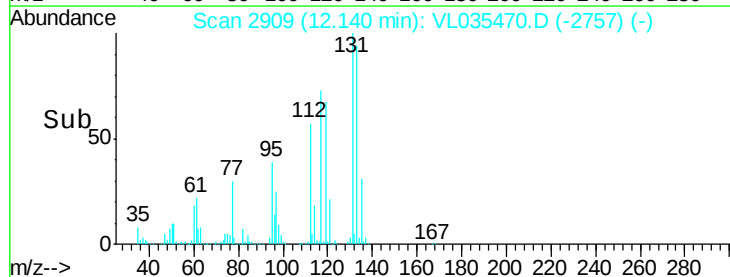
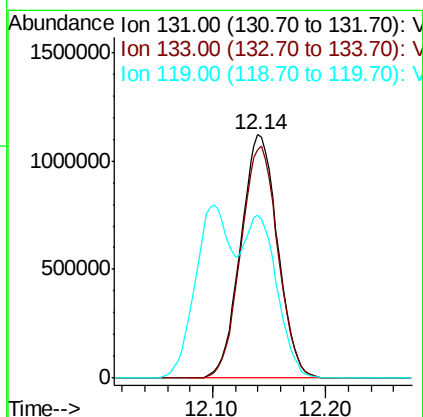
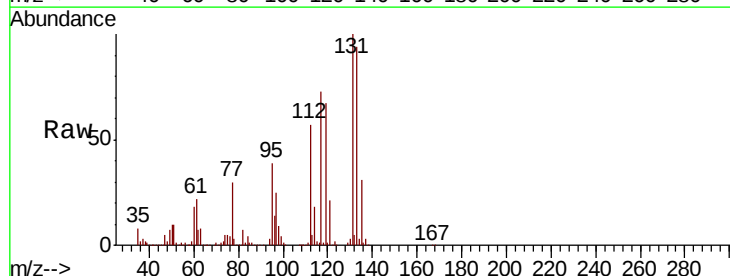
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

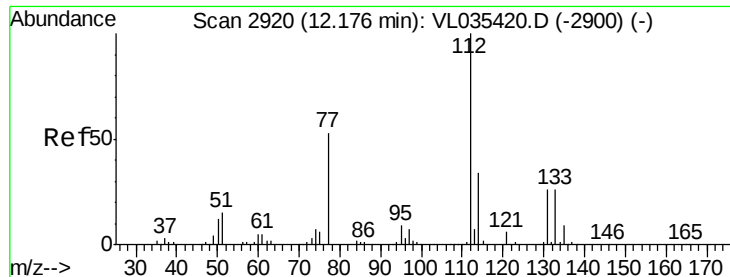
Tot Ion:117 Resp: 5573793
Ion Ratio Lower Upper
117 100
82 48.9 57.4 86.0#
119 29.7 28.4 42.6



#56
1,1,1,2-Tetrachloroethane
Concen: 9.613 ppbv
RT: 12.14 min Scan# 2909
Delta R.T. -0.01 min
Lab File: VL035470.D
Acq: 20 Aug 2020 9:00

Tgt Ion:131 Resp: 2541723
Ion Ratio Lower Upper
131 100
133 95.8 76.1 114.1
119 67.3 50.7 76.1

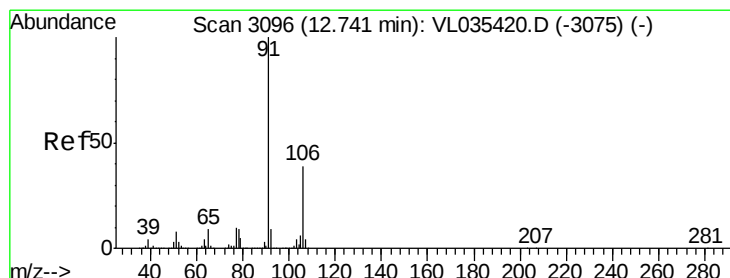
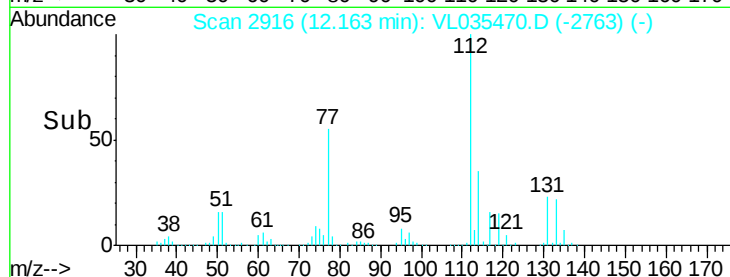
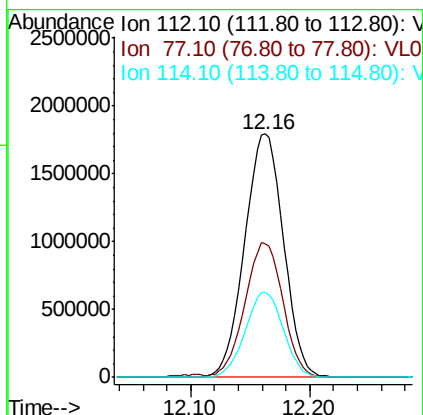
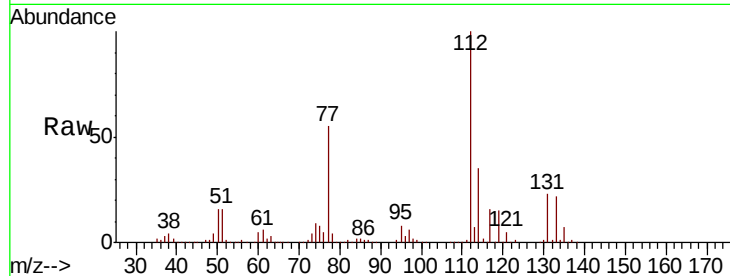




#57
Chlorobenzene
Concen: 8.720 ppbv
RT: 12.16 min Scan# 2916
Delta R.T. -0.01 min
Lab File: VL035470.D
Acq: 20 Aug 2020 9:00

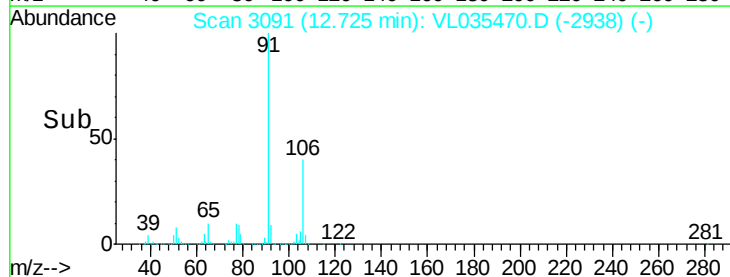
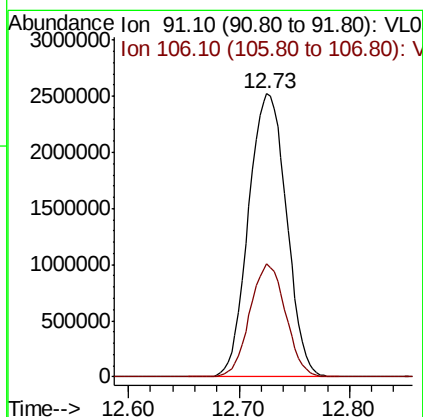
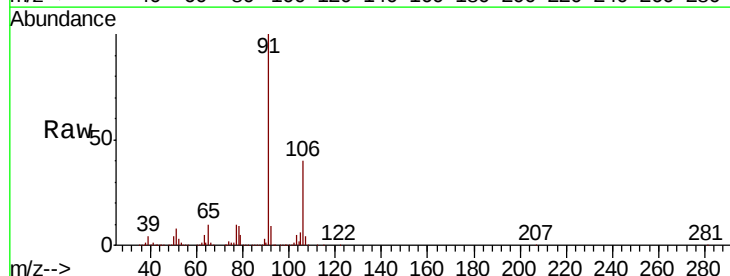
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

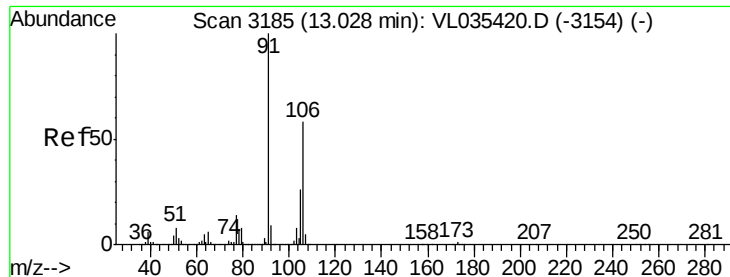
Tot Ion:112 Resp: 4057196
Ion Ratio Lower Upper
112 100
77 54.6 60.6 91.0#
114 34.8 28.5 34.9



#58
Ethyl Benzene
Concen: 8.952 ppbv
RT: 12.73 min Scan# 3091
Delta R.T. -0.01 min
Lab File: VL035470.D
Acq: 20 Aug 2020 9:00

Tgt Ion: 91 Resp: 6023655
Ion Ratio Lower Upper
91 100
106 39.9 24.1 36.1#





#59

m/p-Xylene

Concen: 9.195 ppbv

RT: 13.01 min Scan# 3181

Delta R.T. -0.01 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

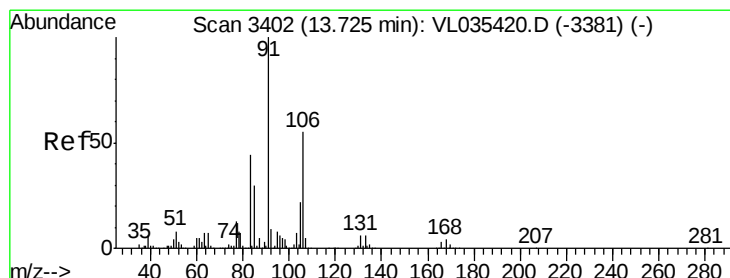
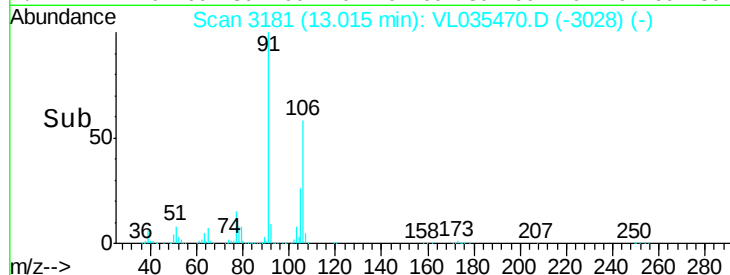
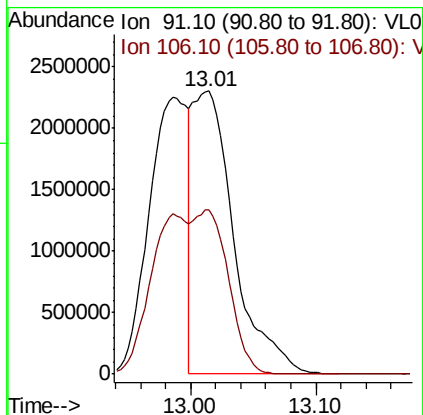
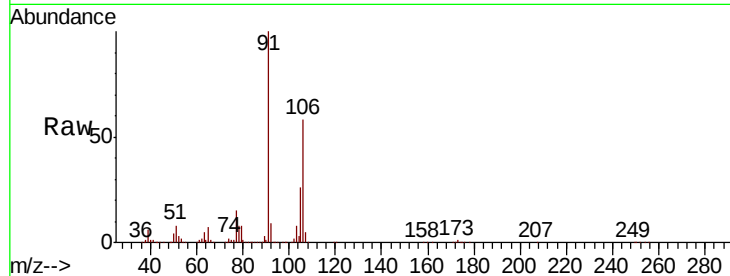
VSTDCCC010

Tot Ion: 91 Resp: 5229917

Ion Ratio Lower Upper

91 100

106 102.5 34.0 51.0#



#60

o-Xylene

Concen: 8.932 ppbv

RT: 13.71 min Scan# 3397

Delta R.T. -0.01 min

Lab File: VL035470.D

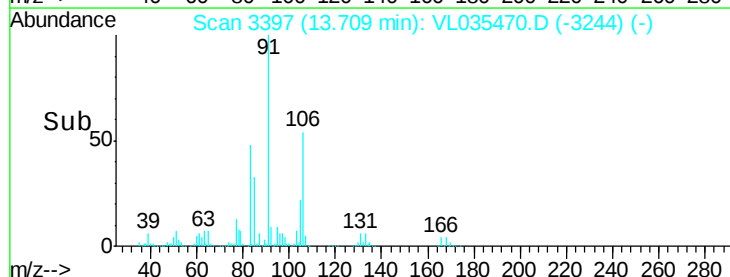
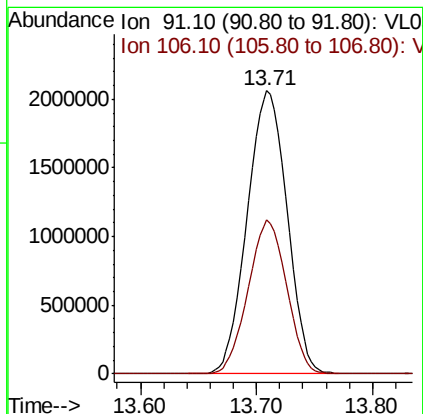
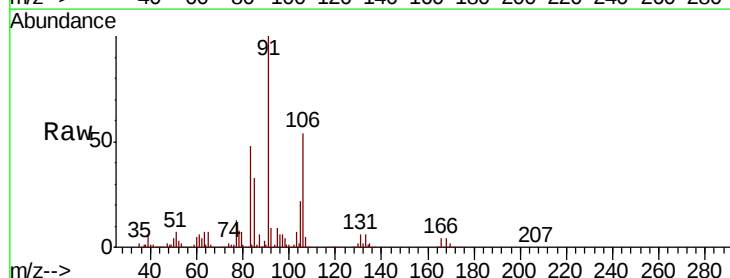
Acq: 20 Aug 2020 9:00

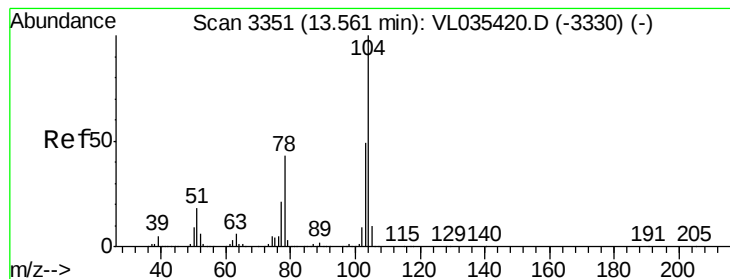
Tgt Ion: 91 Resp: 4937670

Ion Ratio Lower Upper

91 100

106 52.6 21.8 65.3





#61

Stvrene

Concen: 9.402 ppbv

RT: 13.55 min Scan# 3346

Delta R.T. -0.01 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

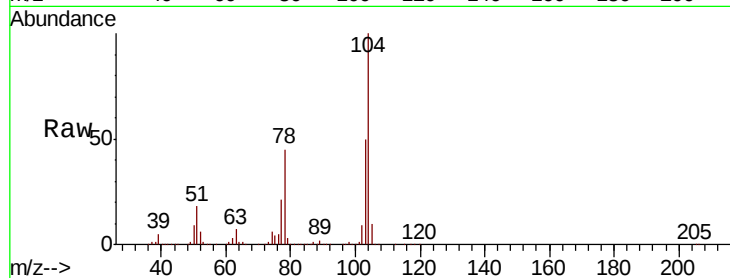
Tot Ion:104 Resp: 4199367

Ion Ratio Lower Upper

104 100

78 43.6 45.4 68.2#

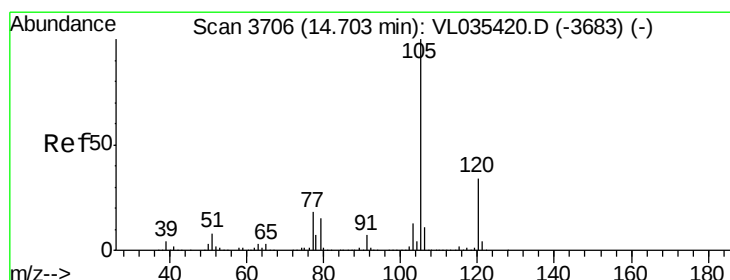
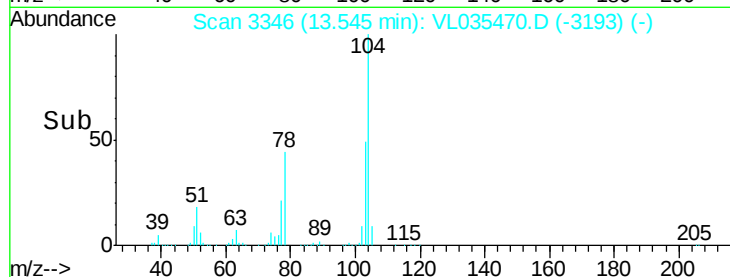
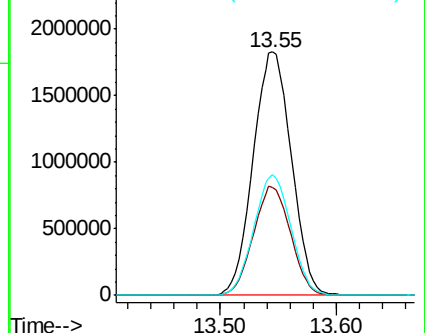
103 48.3 37.8 56.8



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: 8.412 ppbv

RT: 14.69 min Scan# 3701

Delta R.T. -0.01 min

Lab File: VL035470.D

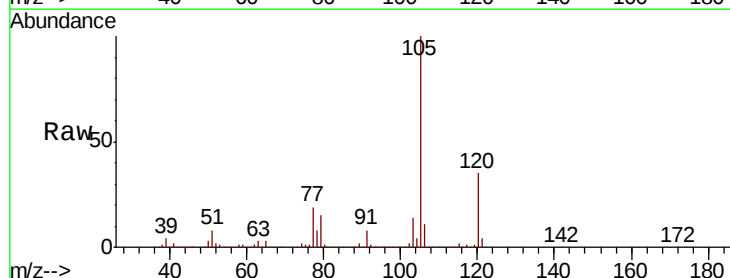
Acq: 20 Aug 2020 9:00

Tgt Ion:105 Resp: 7620801

Ion Ratio Lower Upper

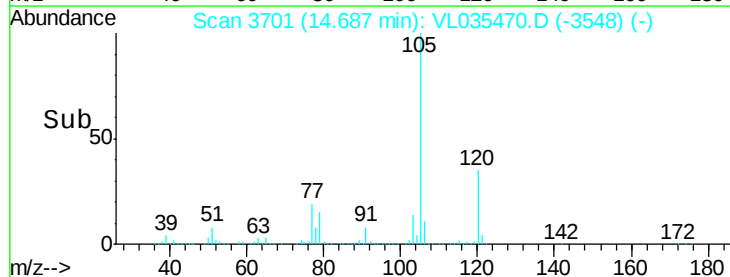
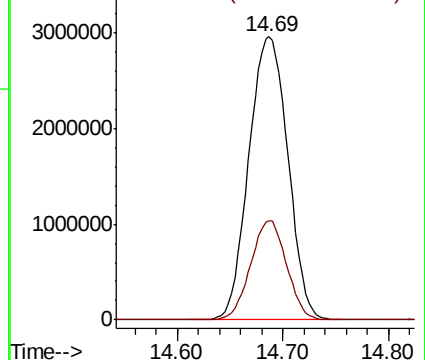
105 100

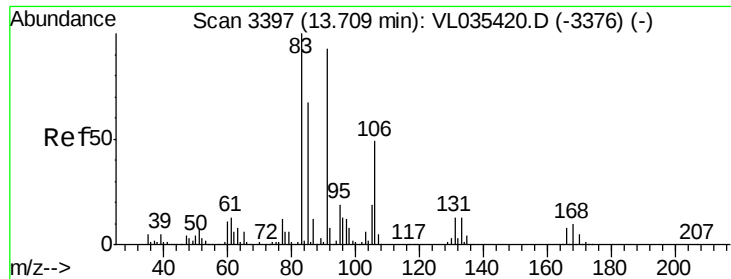
120 32.4 20.3 30.5#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

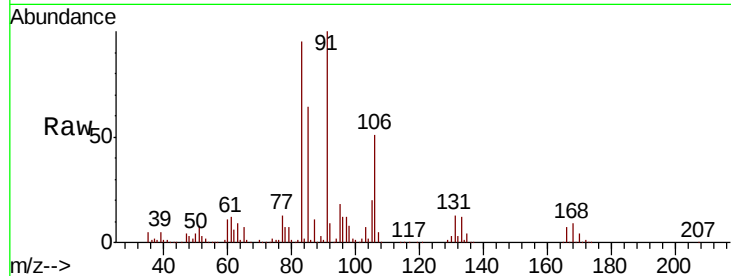




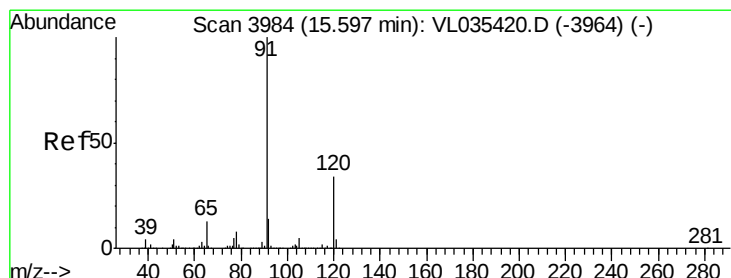
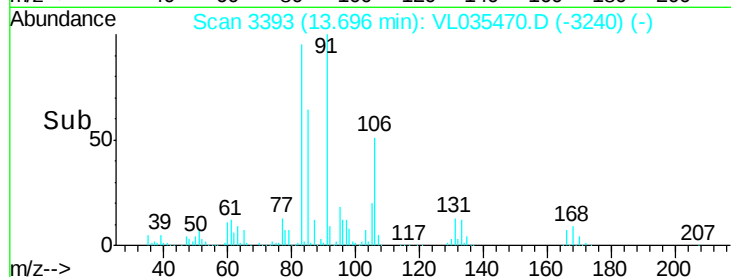
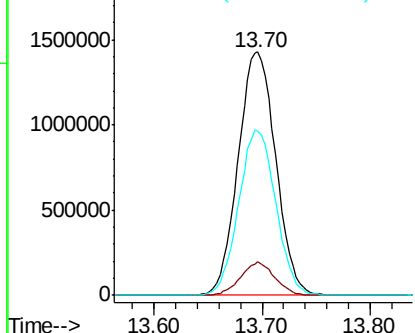
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.723 ppbv
 RT: 13.70 min Scan# 3393
 Delta R.T. -0.01 min
 Lab File: VL035470.D
 Acq: 20 Aug 2020 9:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 83 Resp: 3463948
 Ion Ratio Lower Upper
 83 100
 131 12.6 4.5 13.4
 85 67.2 32.7 98.1

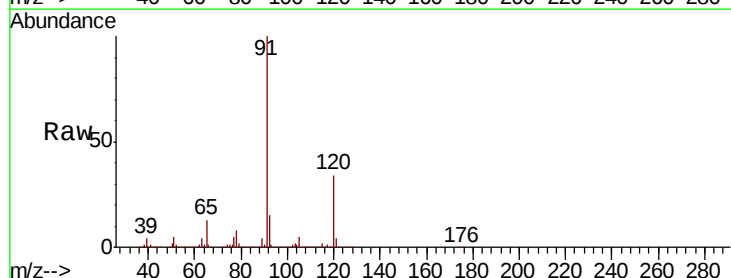


Abundance Ion 83.00 (82.70 to 83.70): VL0
 Ion 131.00 (130.70 to 131.70): V
 Ion 85.00 (84.70 to 85.70): VL0

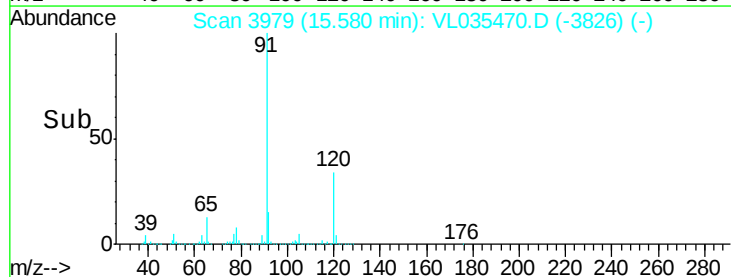
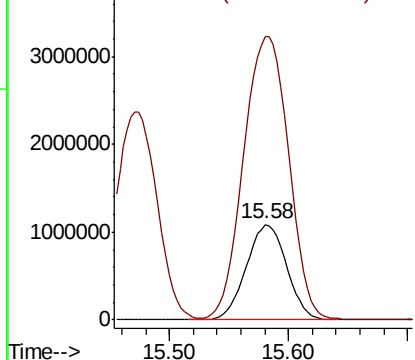


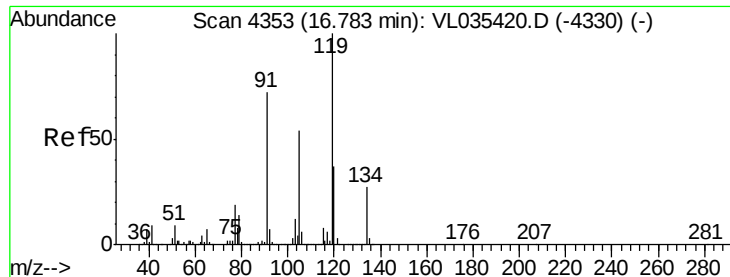
#64
 n-propylbenzene
 Concen: 9.137 ppbv
 RT: 15.58 min Scan# 3979
 Delta R.T. -0.01 min
 Lab File: VL035470.D
 Acq: 20 Aug 2020 9:00

Tgt Ion: 120 Resp: 2551517
 Ion Ratio Lower Upper
 120 100
 91 332.9 385.5 578.3#



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

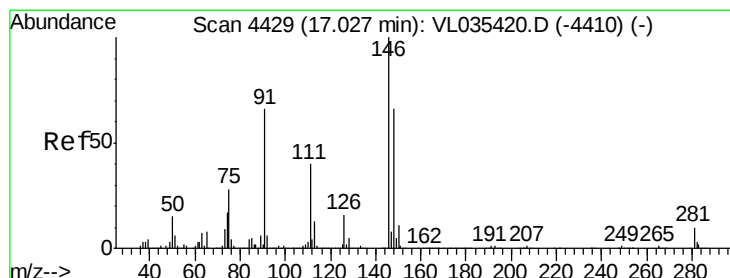
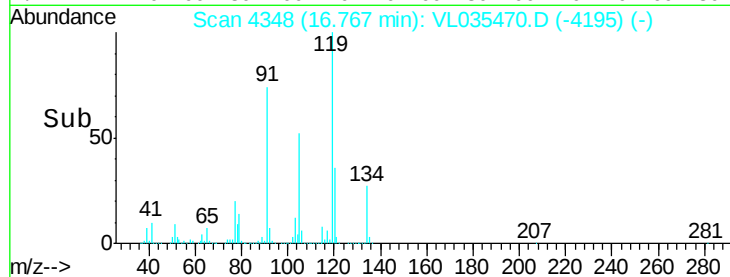
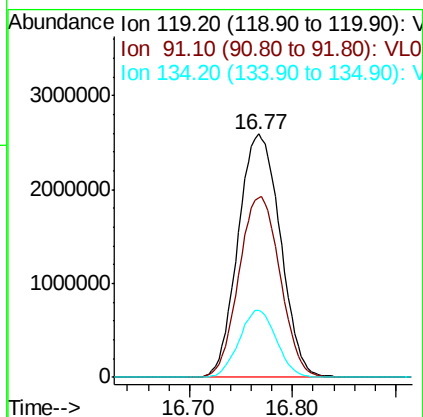
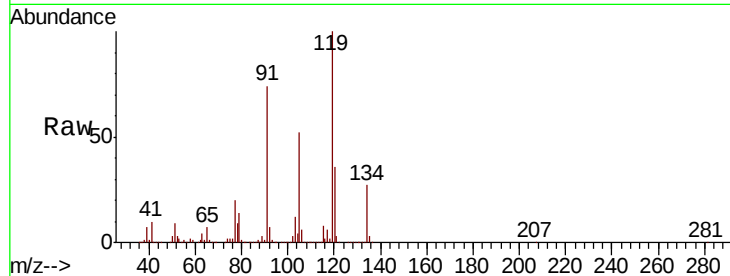




#65
tert-Butylbenzene
Concen: 8.348 ppbv
RT: 16.77 min Scan# 4348
Delta R.T. -0.01 min
Lab File: VL035470.D
Acq: 20 Aug 2020 9:00

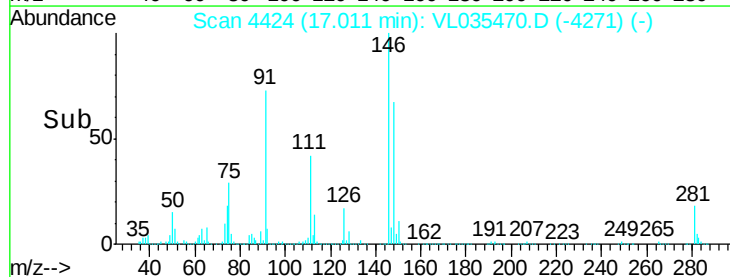
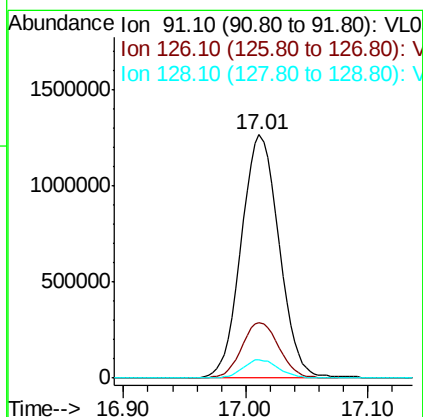
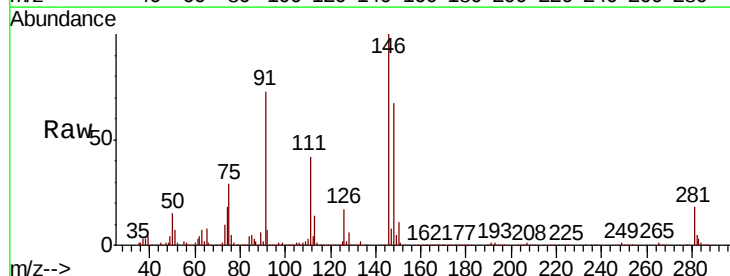
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

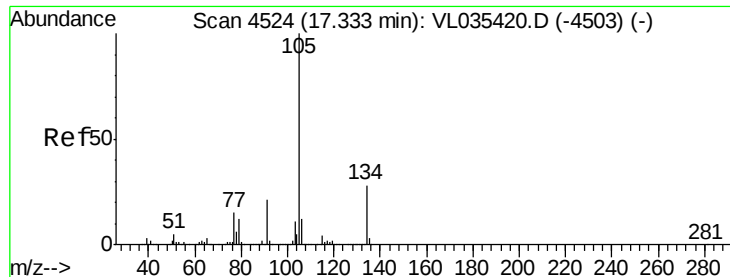
Tot Ion:119 Resp: 7349957
Ion Ratio Lower Upper
119 100
91 72.8 72.0 108.0
134 24.5 15.7 23.5#



#66
Benzyl Chloride
Concen: 12.785 ppbv
RT: 17.01 min Scan# 4424
Delta R.T. -0.01 min
Lab File: VL035470.D
Acq: 20 Aug 2020 9:00

Tgt Ion: 91 Resp: 2707505
Ion Ratio Lower Upper
91 100
126 22.5 13.3 19.9#
128 7.3 4.1 6.1#





#67

sec-Butylbenzene

Concen: 8.063 ppbv

RT: 17.32 min Scan# 4520

Delta R.T. -0.00 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

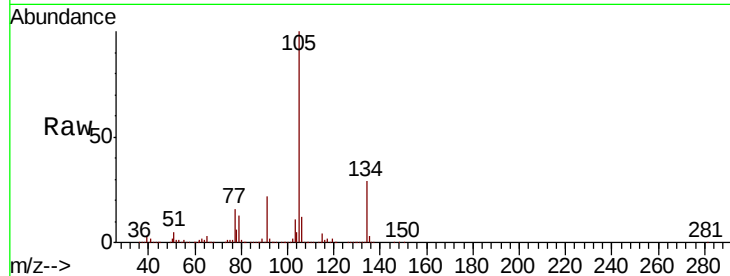
VSTDCCC010

Tot Ion:105 Resp: 9342451

Ion Ratio Lower Upper

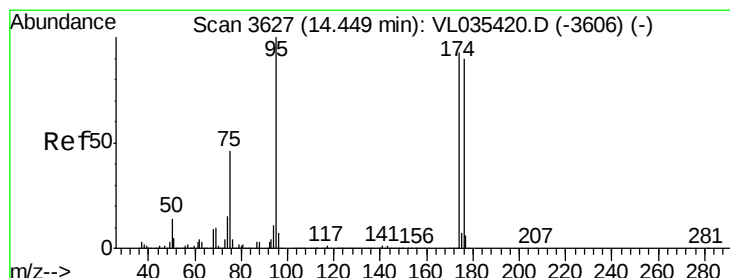
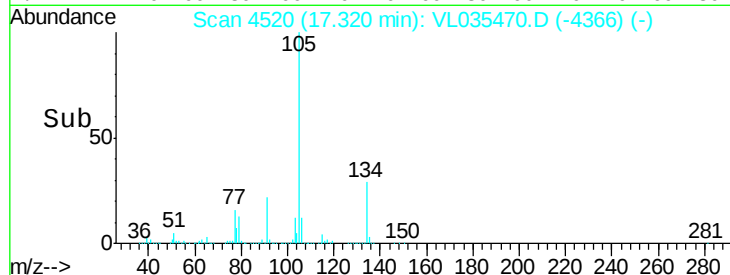
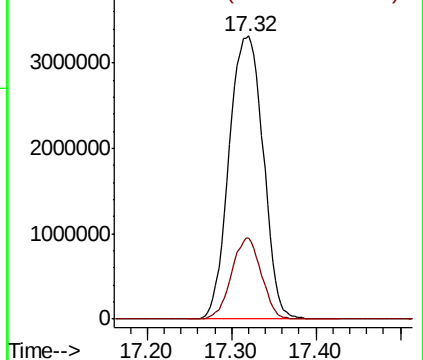
105 100

134 25.1 14.1 21.1#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.192 ppbv

RT: 14.43 min Scan# 3622

Delta R.T. -0.01 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

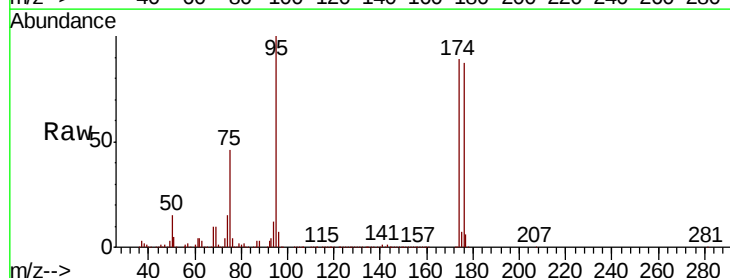
Tgt Ion: 95 Resp: 3586656

Ion Ratio Lower Upper

95 100

174 90.7 44.0 66.0#

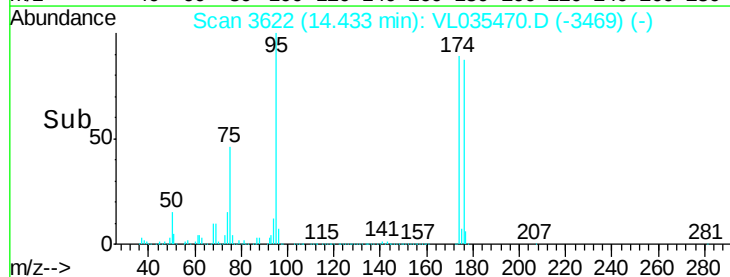
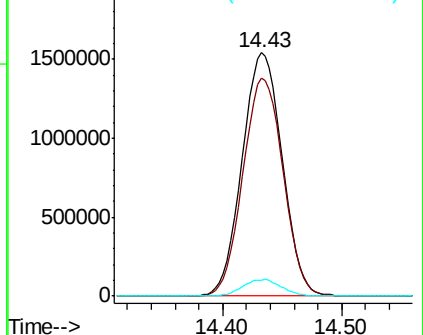
175 6.7 3.2 4.8#

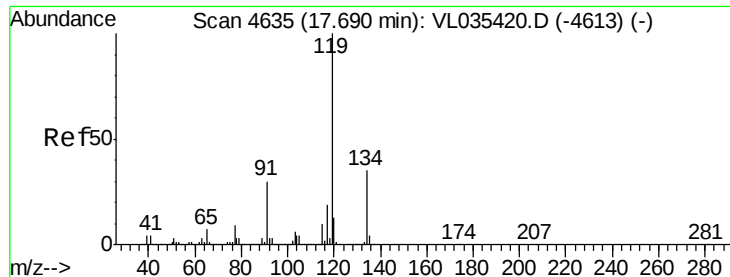


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

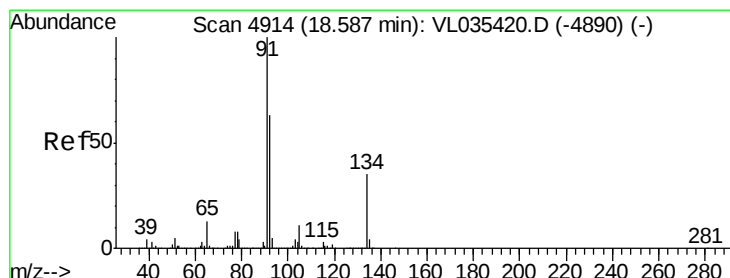
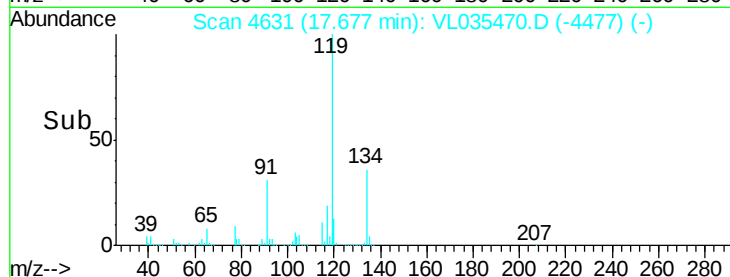
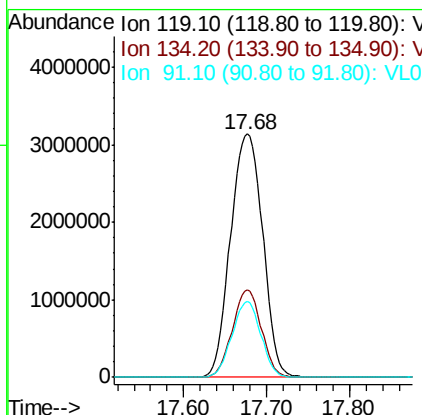
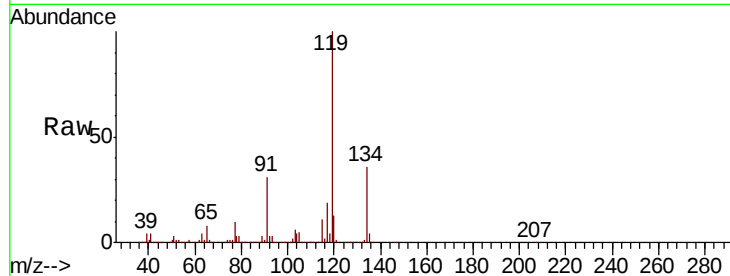




#69
 p-Isopropyltoluene
 Concen: 8.234 ppbv
 RT: 17.68 min Scan# 4631
 Delta R.T. -0.00 min
 Lab File: VL035470.D
 Acq: 20 Aug 2020 9:00

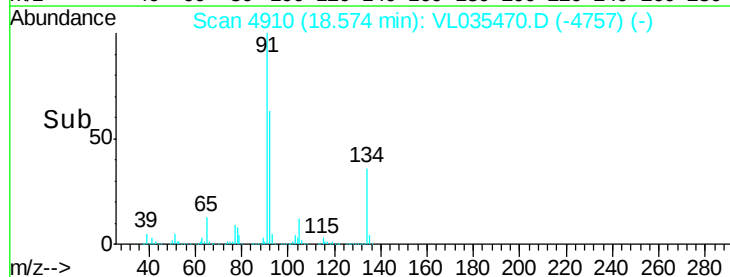
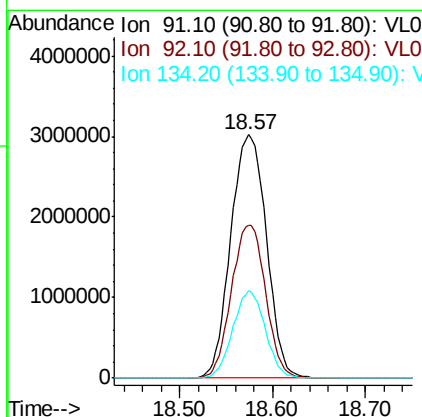
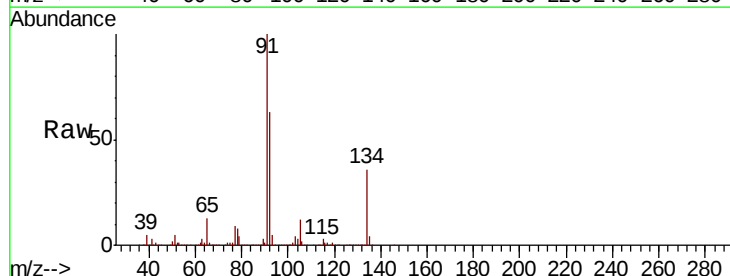
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

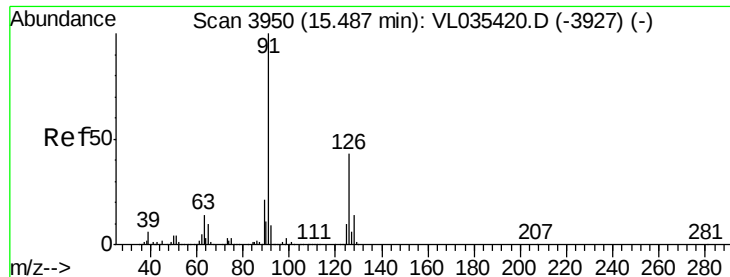
Tot Ion:119 Resp: 8465043
 Ion Ratio Lower Upper
 119 100
 134 32.5 20.6 30.8#
 91 28.1 26.6 39.8



#70
 n-Butylbenzene
 Concen: 8.304 ppbv
 RT: 18.57 min Scan# 4910
 Delta R.T. -0.01 min
 Lab File: VL035470.D
 Acq: 20 Aug 2020 9:00

Tgt Ion: 91 Resp: 8064724
 Ion Ratio Lower Upper
 91 100
 92 60.1 44.8 67.2
 134 32.6 17.3 25.9#





#71

2-Chlorotoluene

Concen: 8.901 ppbv

RT: 15.47 min Scan# 3946

Delta R.T. -0.00 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

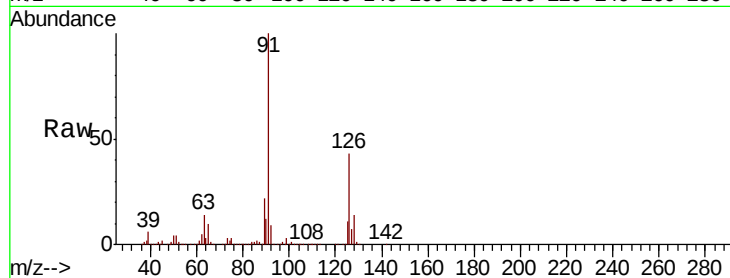
VSTDCCC010

Tot Ion: 91 Resp: 5851222

Ion Ratio Lower Upper

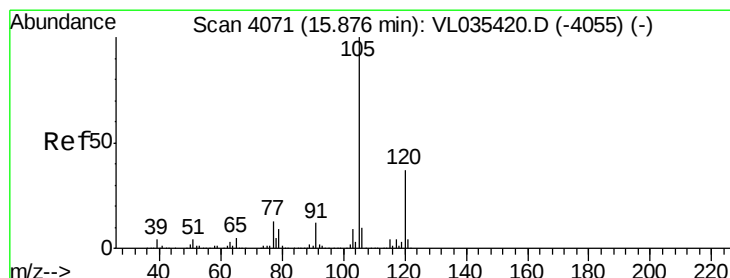
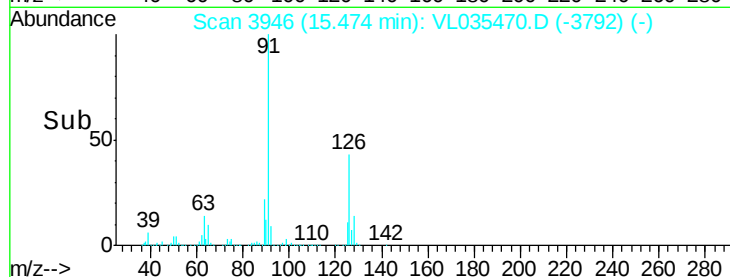
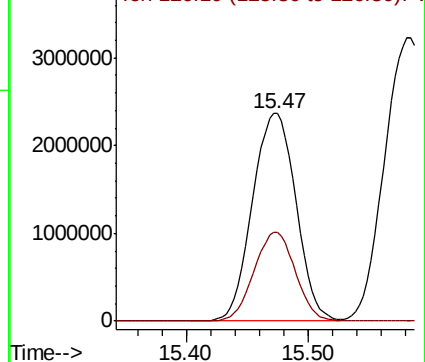
91 100

126 40.7 11.4 45.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 8.872 ppbv

RT: 15.86 min Scan# 4066

Delta R.T. -0.01 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

Tgt Ion:105 Resp: 6436427

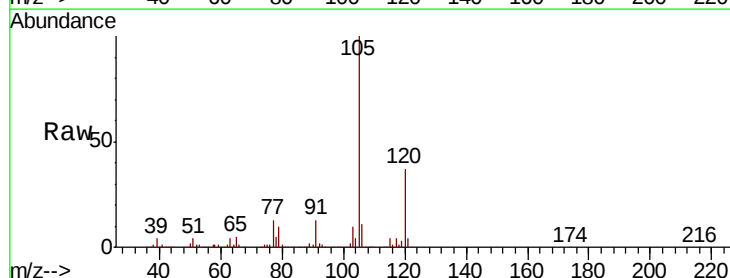
Ion Ratio Lower Upper

105 100

120 35.3 22.7 34.1#

91 12.1 10.8 16.2

77 12.1 11.9 17.9

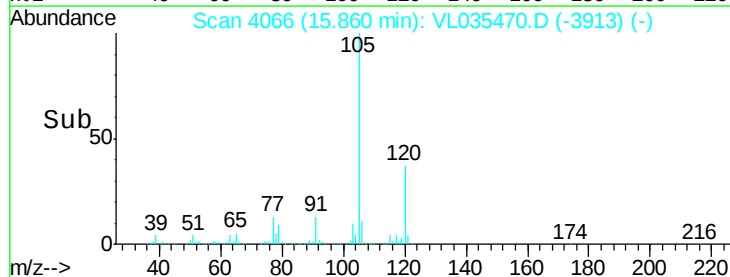
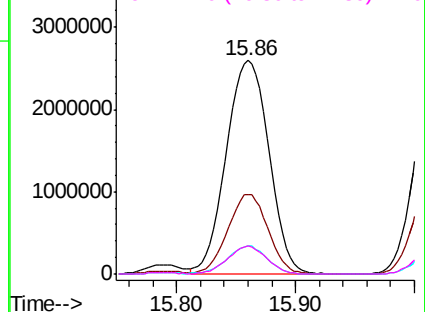


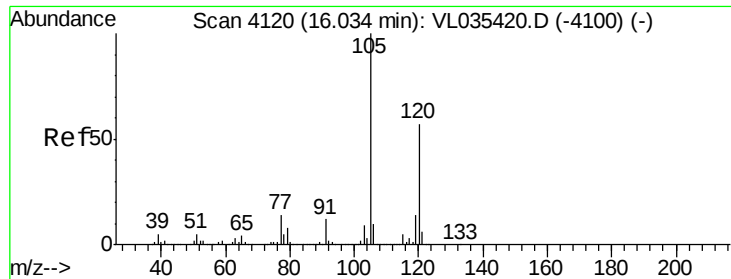
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

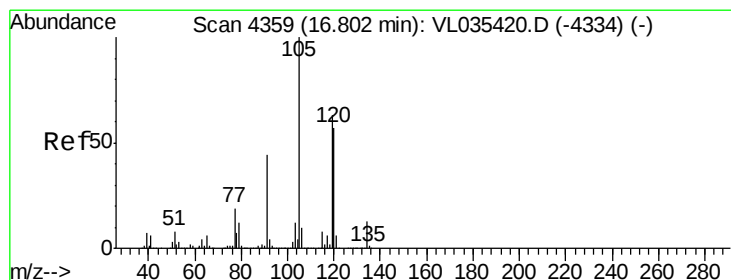
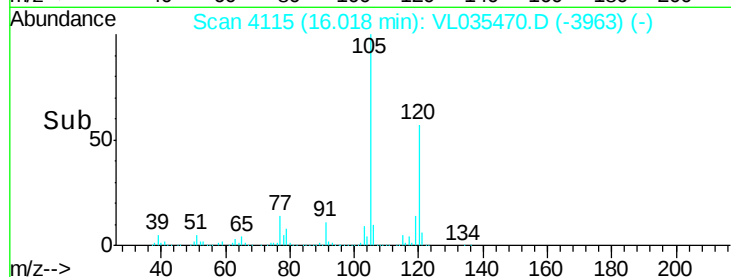
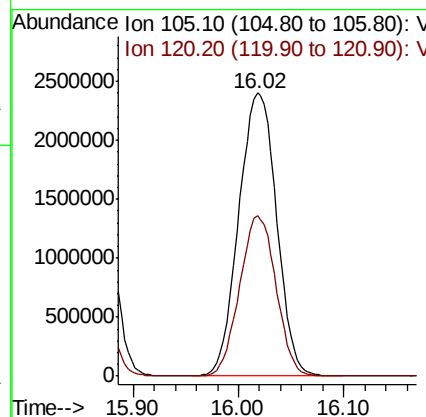
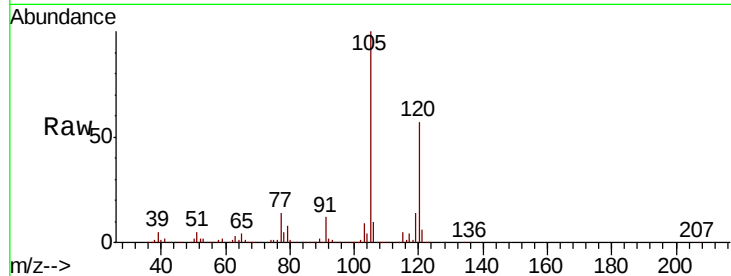




#73
 1,3,5-Trimethylbenzene
 Concen: 8.832 ppbv
 RT: 16.02 min Scan# 4115
 Delta R.T. -0.01 min
 Lab File: VL035470.D
 Acq: 20 Aug 2020 9:00

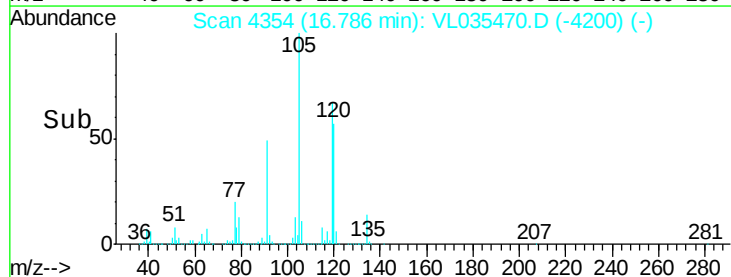
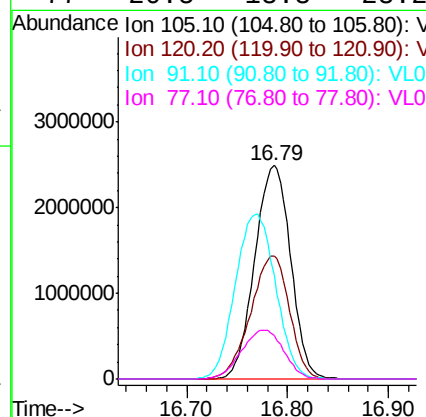
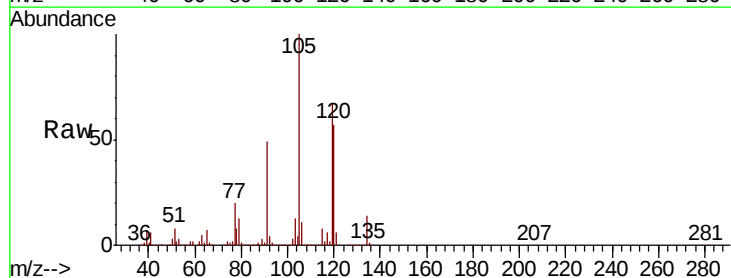
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

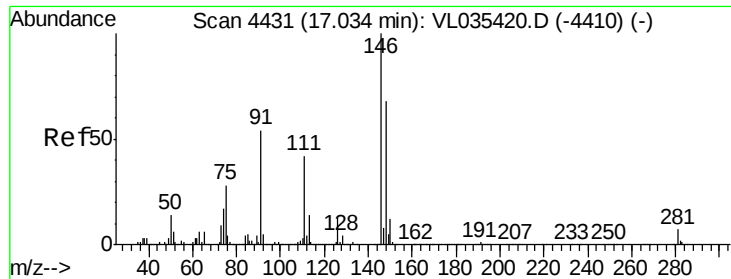
Tot Ion:105 Resp: 5961497
 Ion Ratio Lower Upper
 105 100
 120 56.7 35.6 53.4#



#74
 1,2,4-Trimethylbenzene
 Concen: 8.405 ppbv
 RT: 16.79 min Scan# 4354
 Delta R.T. -0.01 min
 Lab File: VL035470.D
 Acq: 20 Aug 2020 9:00

Tgt Ion:105 Resp: 6164341
 Ion Ratio Lower Upper
 105 100
 120 57.2 37.8 56.8#
 91 48.5 40.0 60.0
 77 20.5 18.8 28.2





#75

1,3-Dichlorobenzene

Concen: 8.257 ppbv

RT: 17.02 min Scan# 4426

Delta R.T. -0.01 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

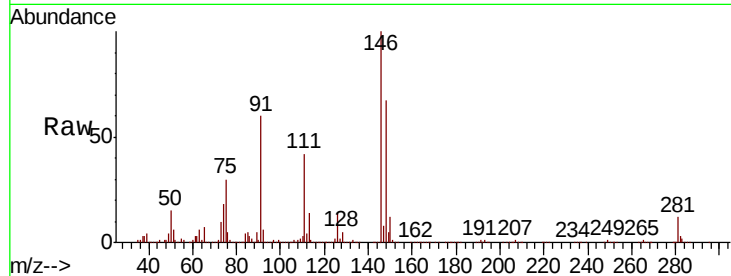
Tot Ion:146 Resp: 4677378

Ion Ratio Lower Upper

146 100

111 41.1 25.6 76.8

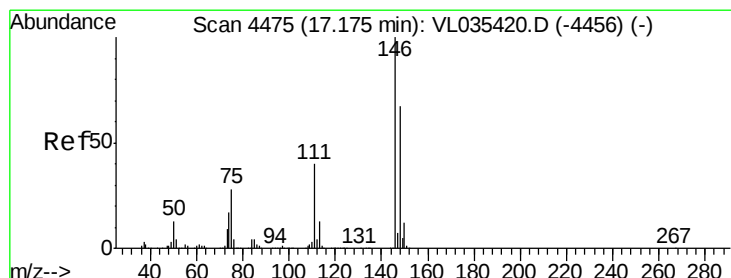
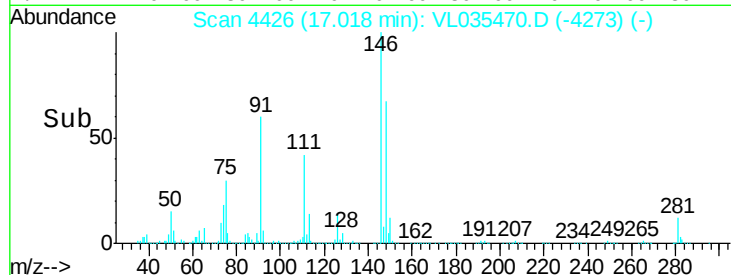
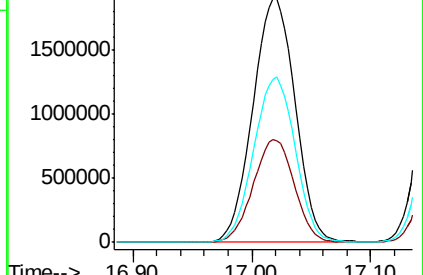
148 66.8 32.3 96.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 8.600 ppbv

RT: 17.16 min Scan# 4470

Delta R.T. -0.01 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

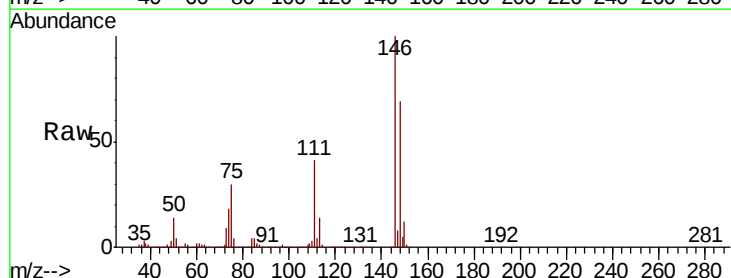
Tgt Ion:146 Resp: 4801351

Ion Ratio Lower Upper

146 100

111 39.6 24.8 74.4

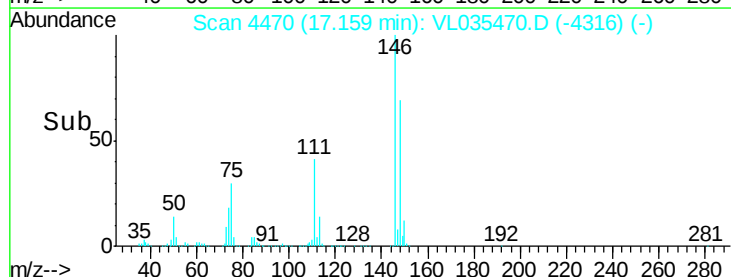
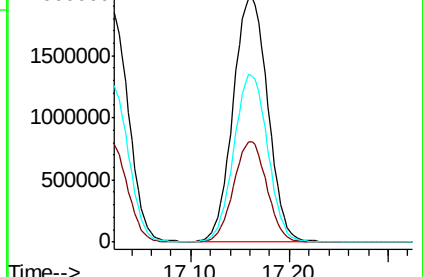
148 67.0 32.1 96.3

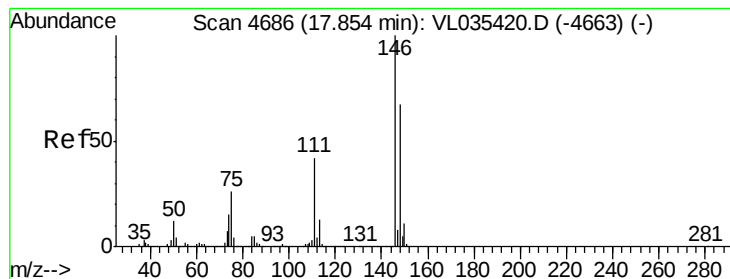


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 8.460 ppbv

RT: 17.84 min Scan# 4681

Delta R.T. -0.01 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

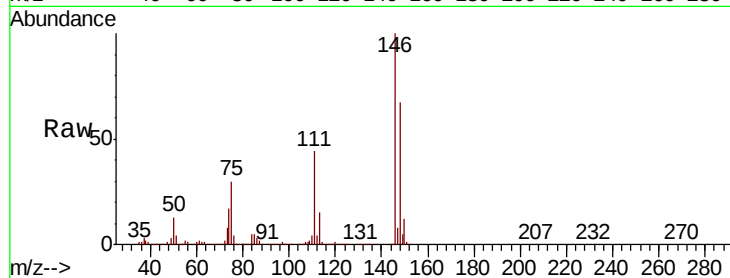
Tot Ion:146 Resp: 4694314

Ion Ratio Lower Upper

146 100

111 42.1 26.3 78.9

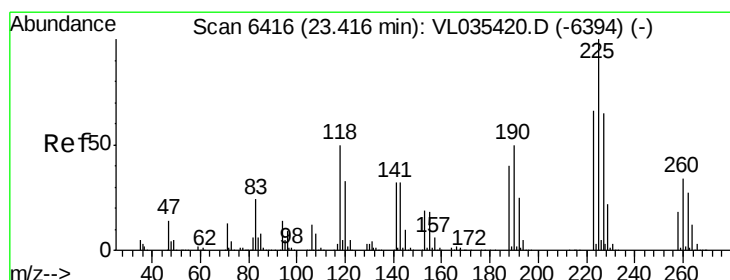
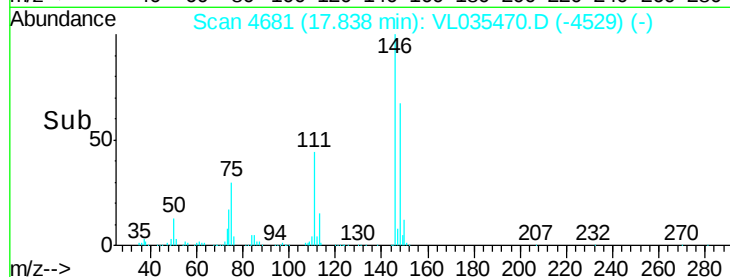
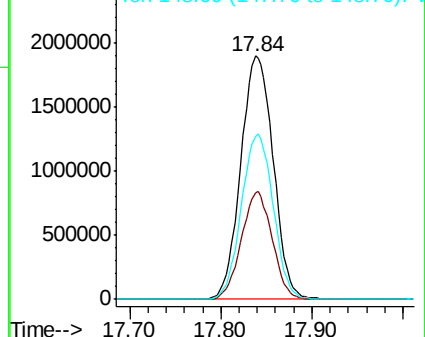
148 66.7 32.0 96.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 7.760 ppbv

RT: 23.40 min Scan# 6412

Delta R.T. -0.00 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

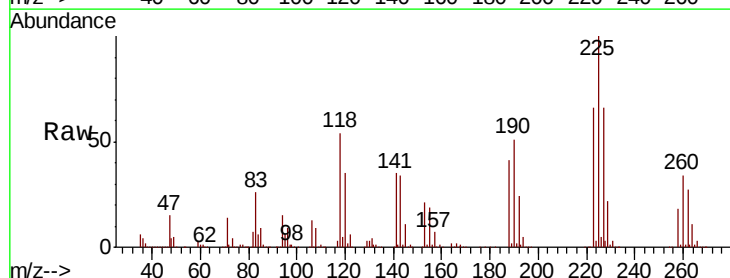
Tgt Ion:225 Resp: 3404368

Ion Ratio Lower Upper

225 100

223 64.7 50.3 75.5

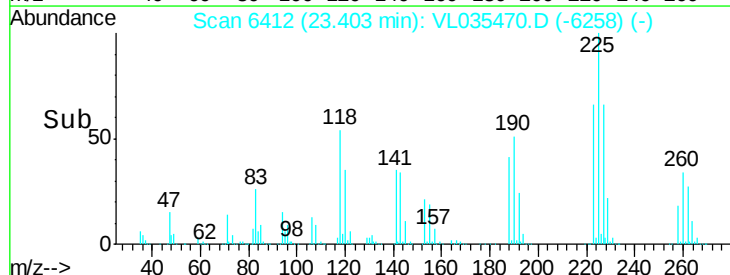
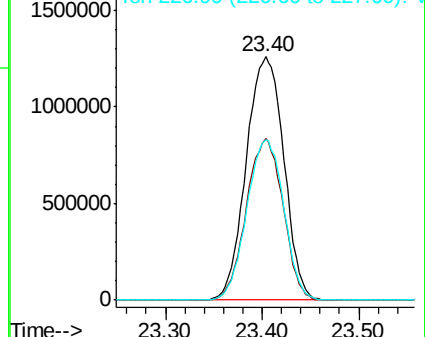
227 64.8 51.0 76.6

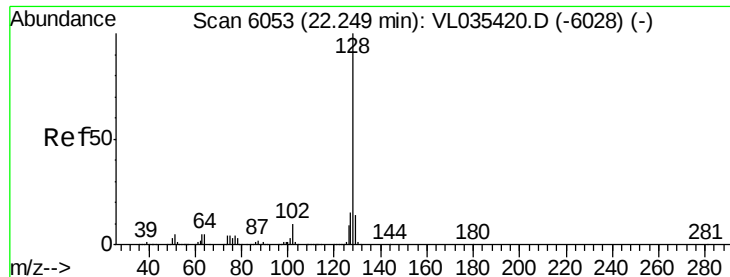


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 8.590 ppbv

RT: 22.23 min Scan# 6047

Delta R.T. -0.01 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

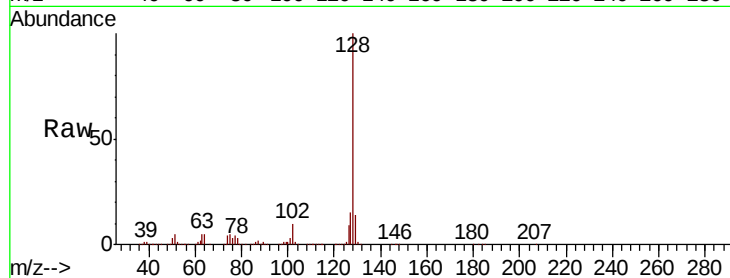
Tot Ion:128 Resp: 8872598

Ion Ratio Lower Upper

128 100

127 15.2 11.4 17.0

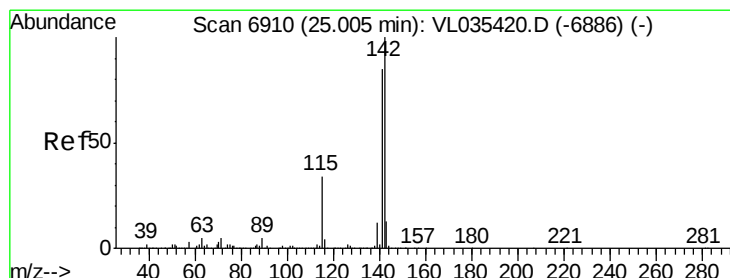
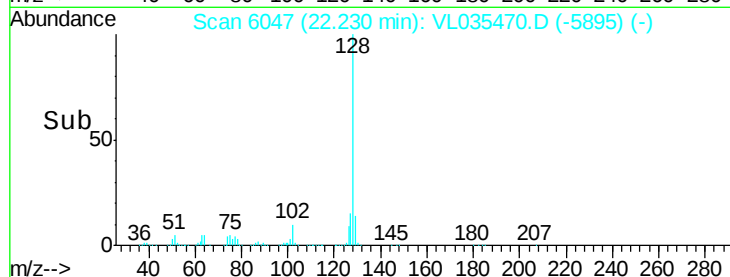
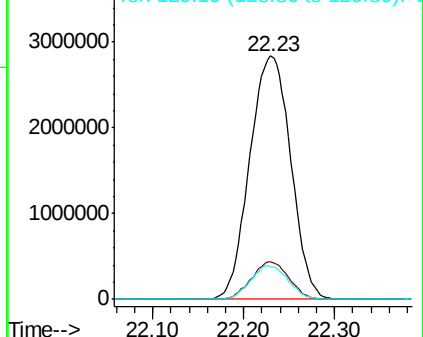
129 13.5 9.5 14.3



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: 10.182 ppbv

RT: 24.99 min Scan# 6906

Delta R.T. -0.01 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

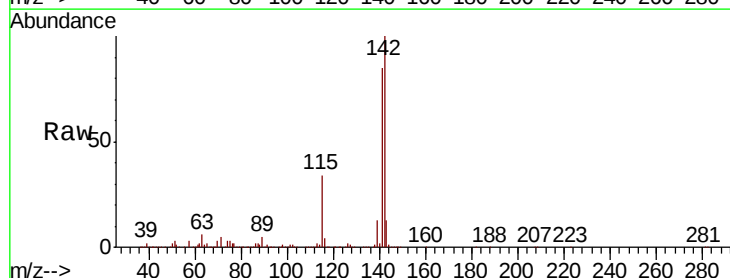
Tgt Ion:142 Resp: 4345936

Ion Ratio Lower Upper

142 100

141 84.8 67.1 100.7

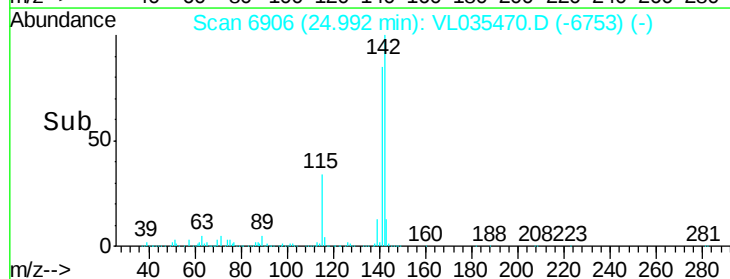
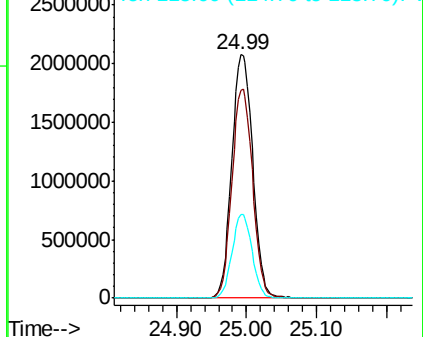
115 32.8 36.1 54.1#

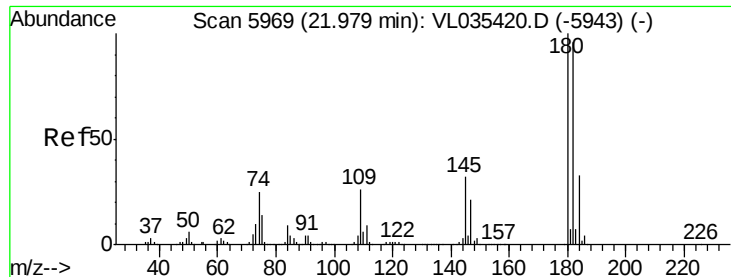


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 8.414 ppbv

RT: 21.96 min Scan# 5963

Delta R.T. -0.01 min

Lab File: VL035470.D

Acq: 20 Aug 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

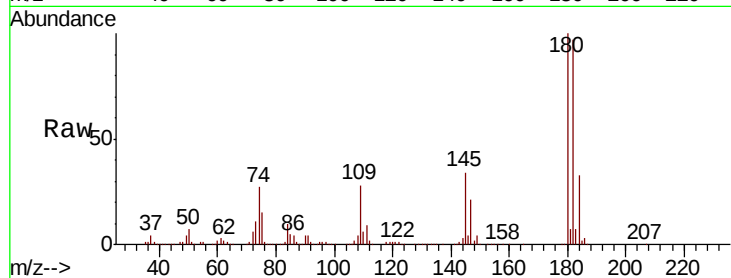
Tot Ion:180 Resp: 5238951

Ion Ratio Lower Upper

180 100

182 96.1 76.6 115.0

184 32.1 24.8 37.2



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

