

Data File : VL035399.D
Acq On : 13 Aug 2020 9:22
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: Aug 14 04:23:08 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)
1) Bromochloromethane	5.66	49	1427465	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3390235	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4083680	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2757292	8.36	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.04	85	1561189	9.081	ppbv	97
3) Chlorodifluoromethane	2.98	51	1558448	9.390	ppbv	99
4) Chloromethane	3.13	50	861525	9.289	ppbv	96
5) Vinyl Chloride	3.25	62	814074	8.881	ppbv	97
6) Bromomethane	3.46	94	483060	9.503	ppbv	96
7) Chloroethane	3.55	64	297327	9.195	ppbv	97
8) Dichlorotetrafluoroethane	3.18	85	1786269	8.951	ppbv	97
9) Propene	3.00	41	748075	8.701	ppbv	99
10) Heptane	8.13	43	1936453	8.696	ppbv	99
11) Trichlorofluoromethane	3.94	101	1927802	9.247	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1281187	9.031	ppbv	97
13) Ethanol	3.60	45	202283	7.175	ppbv	99
14) Bromoethene	3.73	108	580157	9.153	ppbv	98
15) Acetone	3.84	43	1458414	8.112	ppbv	99
16) 1,3-Butadiene	3.32	39	776629	8.413	ppbv	99
17) tert-Butyl alcohol	4.29	59	1777670	8.477	ppbv	99
18) 1,1-Dichloroethene	4.28	96	590093	9.079	ppbv	94
19) Isopropyl Alcohol	3.96	45	1199835	8.551	ppbv	# 45
20) Methylene Chloride	4.34	84	551115	8.118	ppbv	96
21) Allyl Chloride	4.40	41	1043591	8.840	ppbv	98
22) trans-1,2-Dichloroethene	4.88	96	604071	9.251	ppbv	92
23) Vinyl Acetate	5.07	43	2536148	8.836	ppbv	100
24) 1,1-Dichloroethane	5.01	63	1711382	9.054	ppbv	100
25) Ethyl Acetate	5.68	43	3148406	8.484	ppbv	99
26) Hexane	5.69	57	1383137	8.518	ppbv	99
27) Carbon Disulfide	4.54	76	1577155	9.098	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	2319850	8.652	ppbv	99
29) Chloroform	5.75	83	2176067	9.390	ppbv	99
30) Cyclohexane	7.13	84	1193631	8.918	ppbv	98
31) cis-1,2-Dichloroethene	5.55	61	1487285	9.237	ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	2198566	8.697	ppbv	100
34) 2-Butanone	5.24	43	2177458	9.013	ppbv	100
35) Carbon Tetrachloride	7.02	117	2150305	9.124	ppbv	96
36) Benzene	6.89	78	2882707	8.867	ppbv	99
37) 1,2-Dichloroethane	6.31	62	1736786	9.624	ppbv	99
38) Trichloroethene	7.84	130	1017474	7.986	ppbv	97
39) 1,2-Dichloropropane	7.62	63	1160768	9.017	ppbv	98
40) 1,4-Dioxane	7.83	88	457420	8.724	ppbv	96
41) Tetrahydrofuran	6.05	42	1274670	8.843	ppbv	99
42) Bromodichloromethane	7.80	83	2397442	9.431	ppbv	100
43) Methyl Methacrylate	8.02	69	1324259	9.182	ppbv	99

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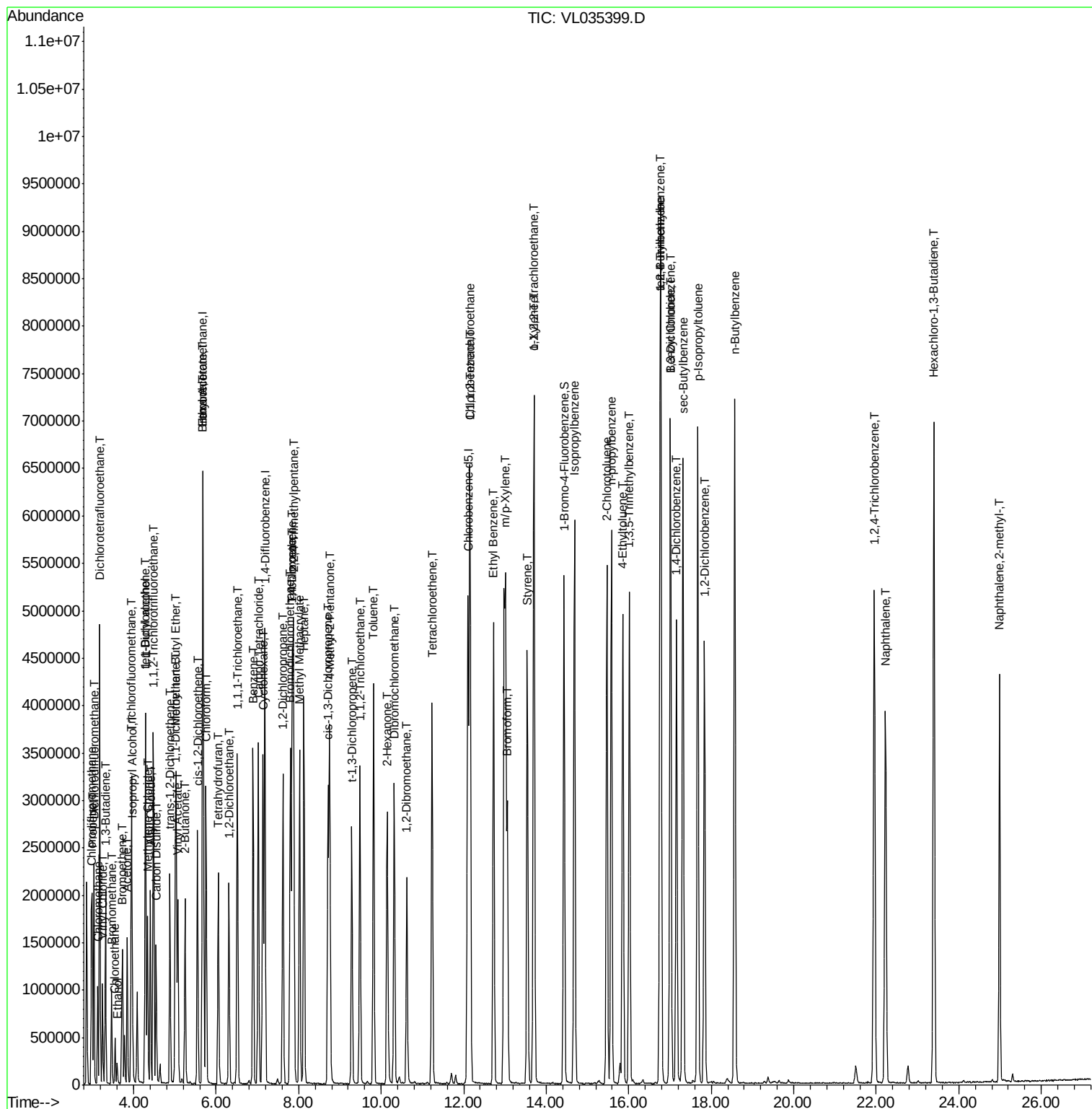
Quant Time: Aug 14 04:23:08 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081220AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 12 20:32:44 2020
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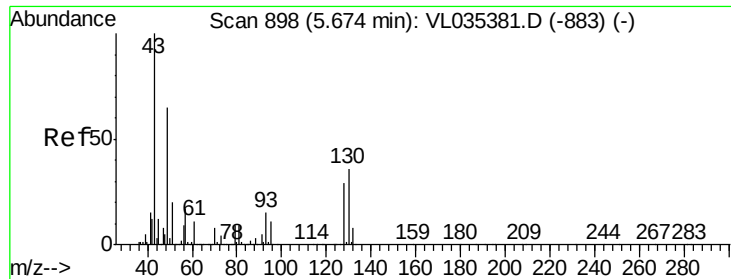
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4788383	8.562	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1592931	9.519	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1802449	9.222	ppbv	99
47) 1,1,2-Trichloroethane	9.48	97	1207232	9.246	ppbv	94
48) Dibromochloromethane	10.32	129	1908085	9.143	ppbv	100
49) Bromoform	13.06	173	1585715	9.269	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	3182674	8.741	ppbv	100
51) 2-Hexanone	10.14	43	2726530	8.894	ppbv #	99
52) Tetrachloroethene	11.23	164	909528	7.890	ppbv	98
53) Toluene	9.82	91	3376181	8.749	ppbv	100
54) 1,2-Dibromoethane	10.62	107	1841581	8.906	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.14	131	1419508	7.154	ppbv	96
57) Chlorobenzene	12.16	112	2430846	6.983	ppbv	97
58) Ethyl Benzene	12.73	91	4565235	7.073	ppbv	98
59) m/p-Xylene	13.01	91	3505469	6.513	ppbv #	26
60) o-Xylene	13.71	91	3612798	6.932	ppbv	98
61) Styrene	13.55	104	2753062	7.155	ppbv	99
62) Isopropylbenzene	14.69	105	5335901	6.825	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.69	83	2550409	6.709	ppbv	99
64) n-propylbenzene	15.58	120	1419587	6.883	ppbv	92
65) tert-Butylbenzene	16.76	119	4530684	6.583	ppbv	97
66) Benzyl Chloride	17.01	91	2192764	7.055	ppbv	98
67) sec-Butylbenzene	17.32	105	6584436	6.637	ppbv	99
69) p-Isopropyltoluene	17.67	119	5436873	6.574	ppbv	98
70) n-Butylbenzene	18.57	91	6116872	6.681	ppbv	99
71) 2-Chlorotoluene	15.47	91	4395611	6.985	ppbv	98
72) 4-Ethyltoluene	15.86	105	4393211	6.906	ppbv	98
73) 1,3,5-Trimethylbenzene	16.01	105	4118602	6.905	ppbv	100
74) 1,2,4-Trimethylbenzene	16.78	105	4121231	6.569	ppbv	98
75) 1,3-Dichlorobenzene	17.01	146	2246730	6.563	ppbv	99
76) 1,4-Dichlorobenzene	17.16	146	2352856	6.691	ppbv	98
77) 1,2-Dichlorobenzene	17.84	146	2302937	6.672	ppbv	99
78) Hexachloro-1,3-Butadiene	23.40	225	1768137	6.212	ppbv	100
79) Naphthalene	22.22	128	5041190	6.452	ppbv	99
80) Naphthalene,2-methyl-	24.99	142	2291474	6.298	ppbv	99
81) 1,2,4-Trichlorobenzene	21.96	180	2326489	6.291	ppbv	99

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

ALS Vial : 1 Sample Multiplier: 1

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.01 min

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VSTDCCC010

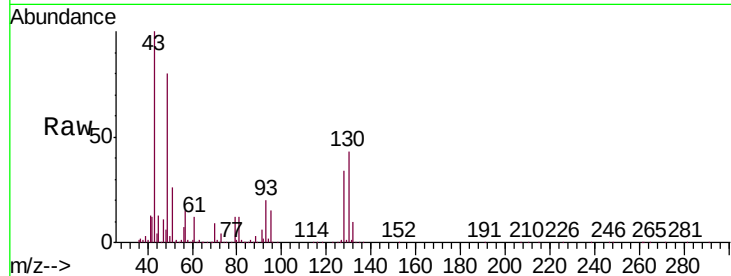
Tgt Ion: 49 Resp: 1427465

Ion Ratio Lower Upper

49 100

128 42.8 21.8 65.3

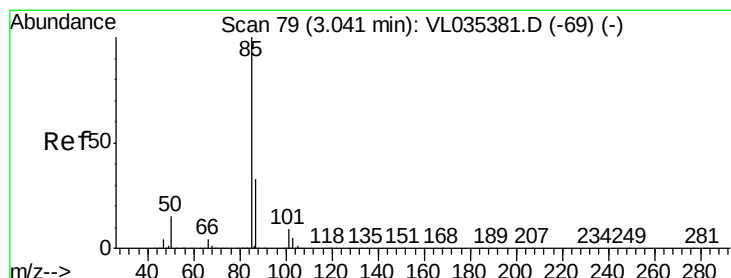
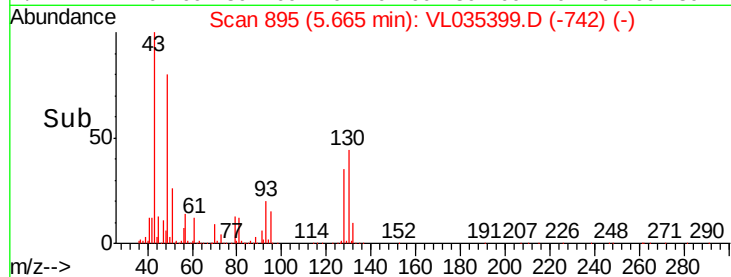
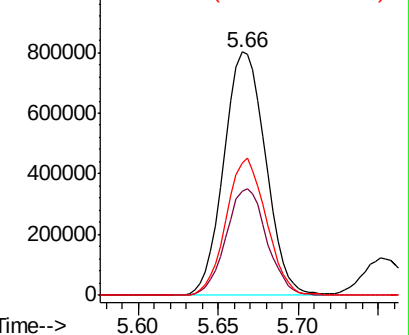
130 54.4 27.9 83.6



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



#2

Dichlorodifluoromethane

Concen: 9.081 ppbv

RT: 3.04 min Scan# 78

Delta R.T. -0.00 min

Lab File: VL035399.D

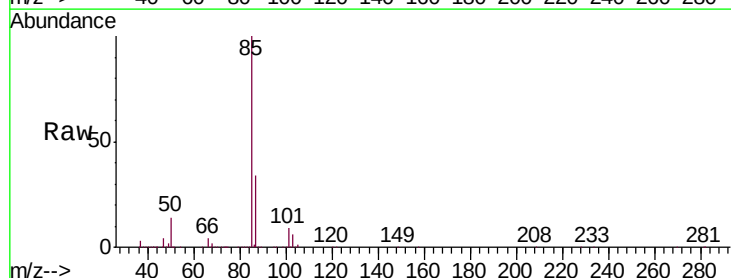
Acq: 13 Aug 2020 9:22

Tgt Ion: 85 Resp: 1561189

Ion Ratio Lower Upper

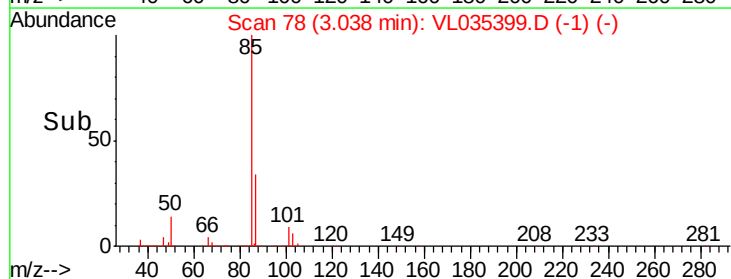
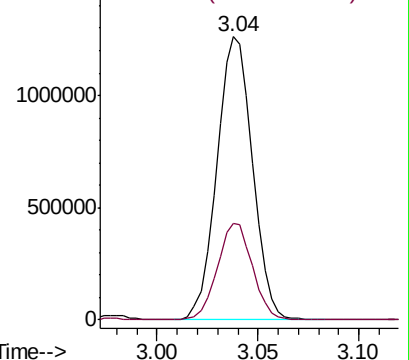
85 100

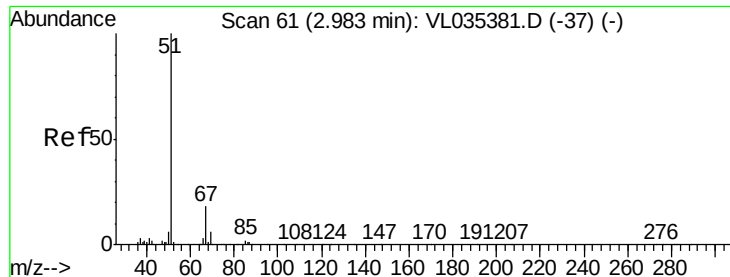
87 34.1 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.390 ppbv

RT: 2.98 min Scan# 59

Delta R.T. -0.01 min

Lab File: VL035399.D

Acq: 13 Aug 2020 9:22

Instrument :

MSVOA_L

ClientSampleId :

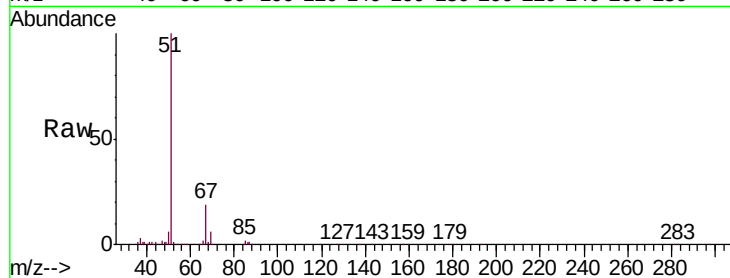
VSTDCCC010

Tgt Ion: 51 Resp: 1558448

Ion Ratio Lower Upper

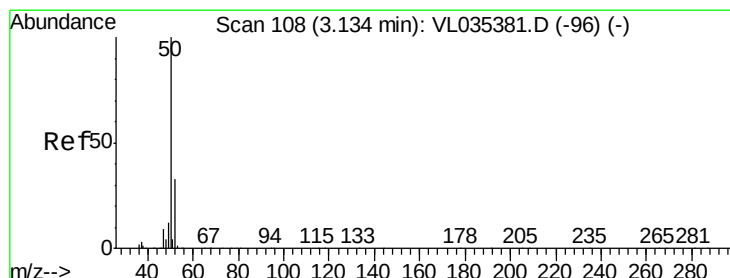
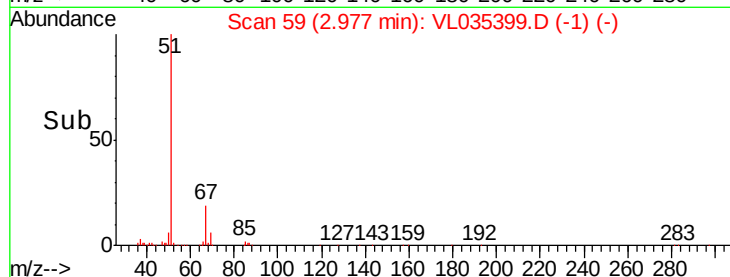
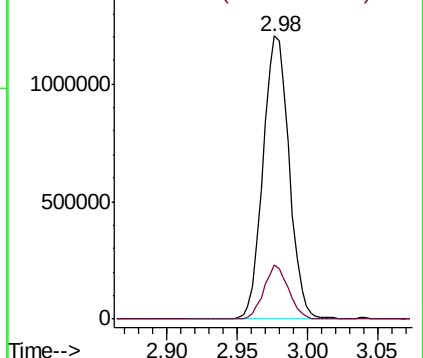
51 100

67 18.1 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: 9.289 ppbv

RT: 3.13 min Scan# 107

Delta R.T. -0.00 min

Lab File: VL035399.D

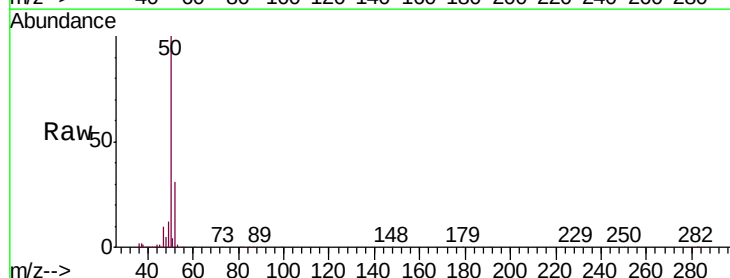
Acq: 13 Aug 2020 9:22

Tgt Ion: 50 Resp: 861525

Ion Ratio Lower Upper

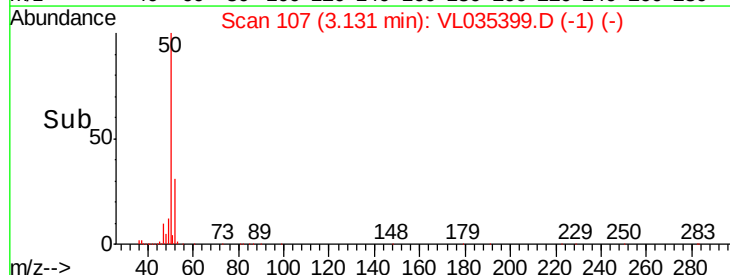
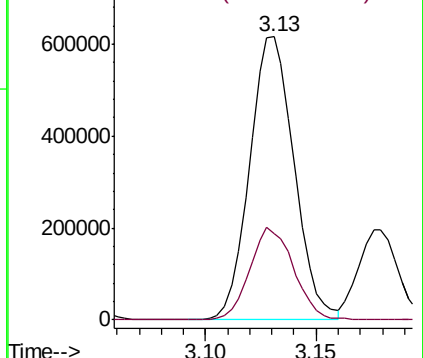
50 100

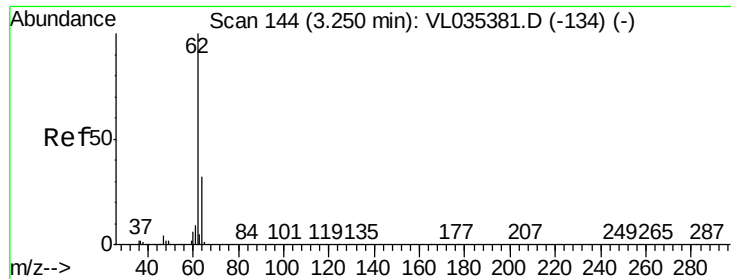
52 30.7 26.6 39.8



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.881 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.00 min

Lab File: VL035399.D

Acq: 13 Aug 2020 9:22

Instrument :

MSVOA_L

ClientSampleId :

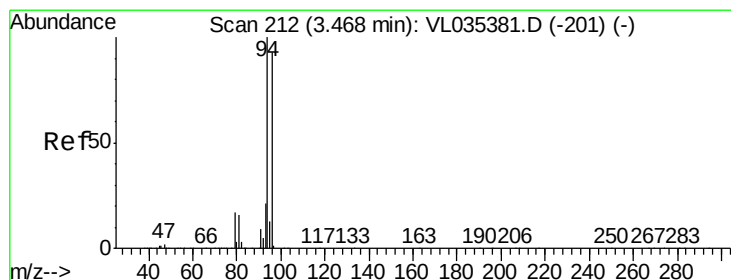
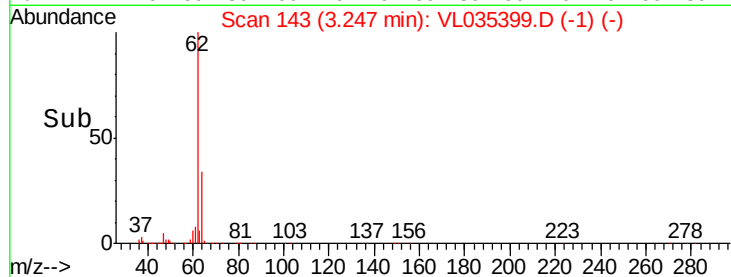
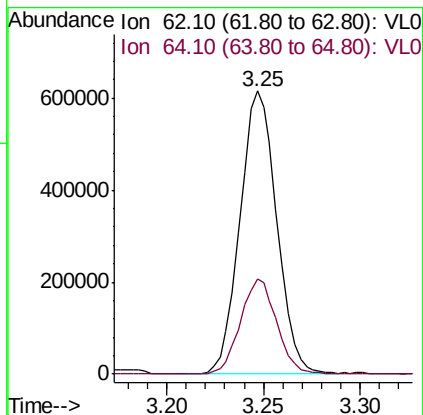
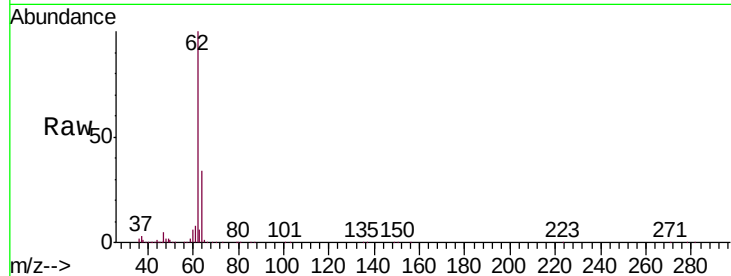
VSTDCCC010

Tgt Ion: 62 Resp: 814074

Ion Ratio Lower Upper

62 100

64 33.6 25.7 38.5



#6

Bromomethane

Concen: 9.503 ppbv

RT: 3.46 min Scan# 210

Delta R.T. -0.01 min

Lab File: VL035399.D

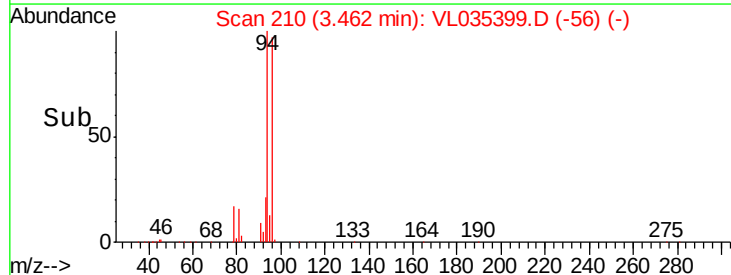
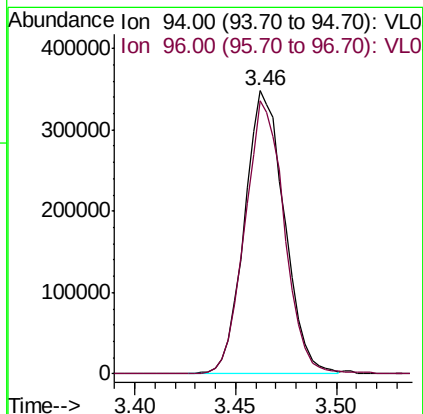
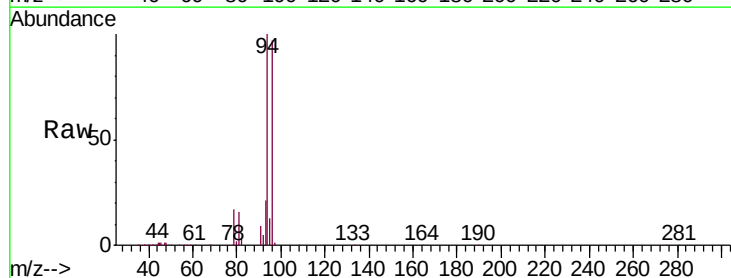
Acq: 13 Aug 2020 9:22

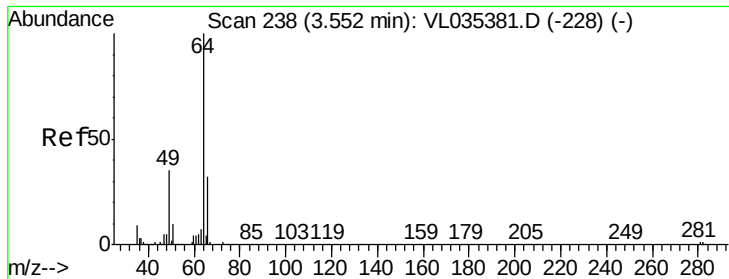
Tgt Ion: 94 Resp: 483060

Ion Ratio Lower Upper

94 100

96 96.5 74.4 111.6





#7

Chloroethane

Concen: 9.195 ppbv

RT: 3.55 min Scan# 237

Delta R.T. -0.00 min

Lab File: VL035399.D

Acq: 13 Aug 2020 9:22

Instrument :

MSVOA_L

ClientSampleId :

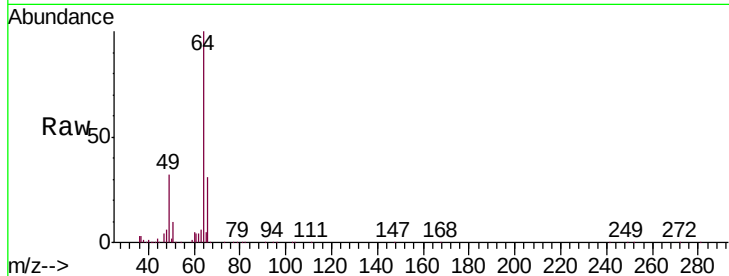
VSTDCCC010

Tgt Ion: 64 Resp: 297327

Ion Ratio Lower Upper

64 100

66 30.6 25.7 38.5



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

250000

200000

150000

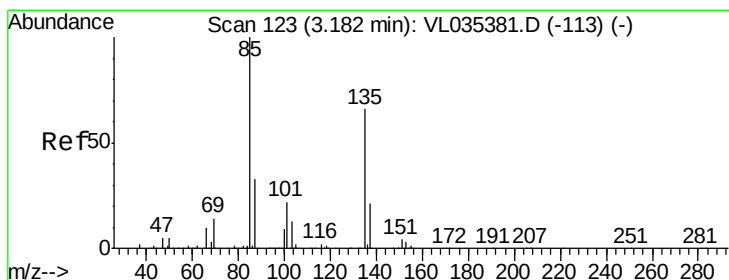
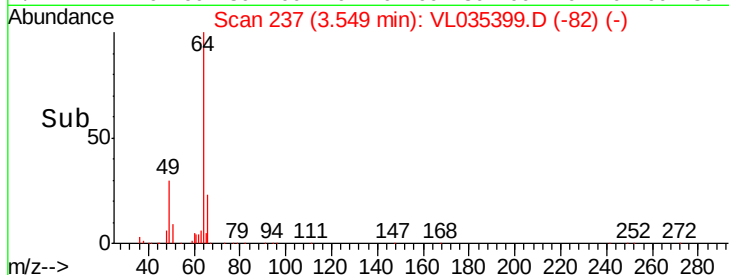
100000

50000

0

3.50 3.55 3.60

Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.951 ppbv

RT: 3.18 min Scan# 122

Delta R.T. -0.00 min

Lab File: VL035399.D

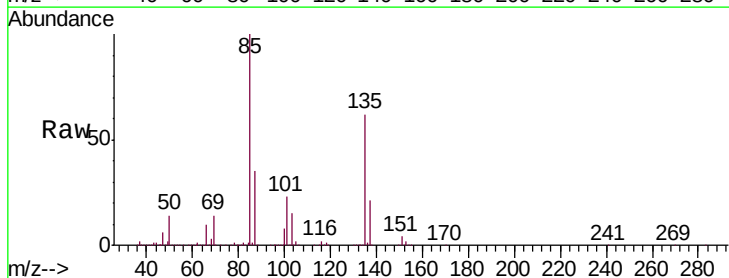
Acq: 13 Aug 2020 9:22

Tgt Ion: 85 Resp: 1786269

Ion Ratio Lower Upper

85 100

135 63.4 52.5 78.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1500000

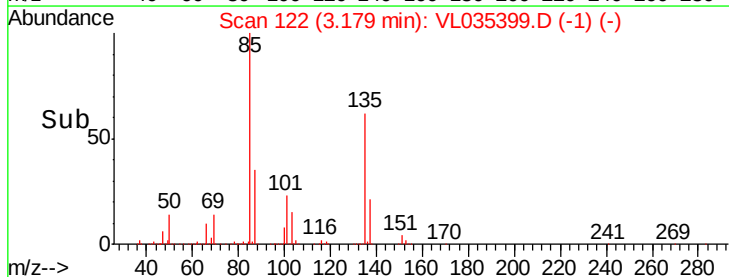
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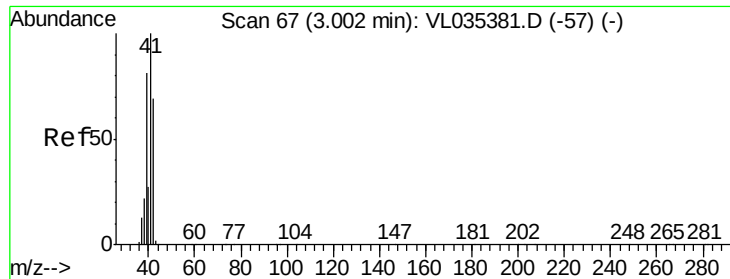
500000

0

3.15 3.20

Time-->





#9

Propene

Concen: 8.701 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.00 min

Lab File: VL035399.D

Acq: 13 Aug 2020 9:22

Instrument :

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ClientSampleId :

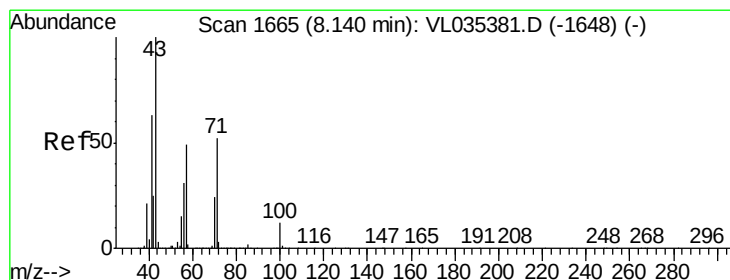
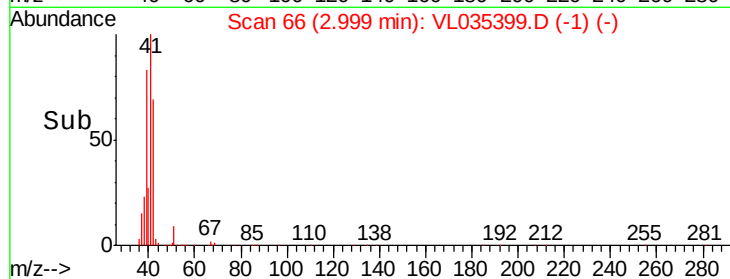
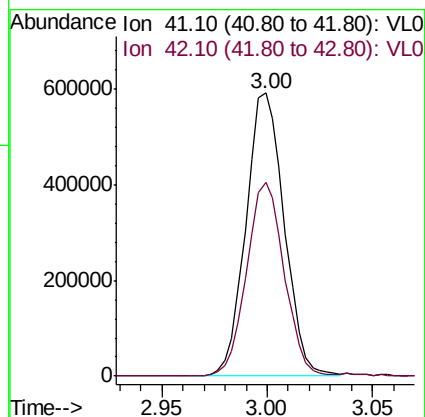
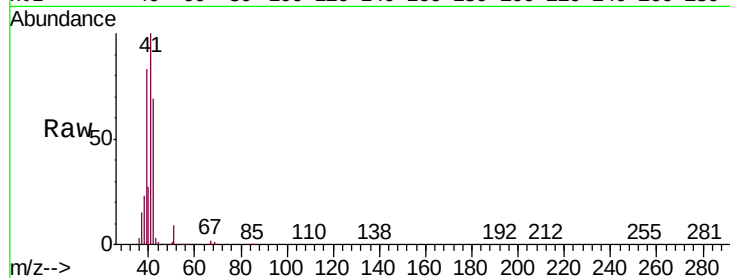
VSTDCCC010

Tgt Ion: 41 Resp: 748075

Ion Ratio Lower Upper

41 100

42 68.1 55.4 83.2



#10

Heptane

Concen: 8.696 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. -0.01 min

Lab File: VL035399.D

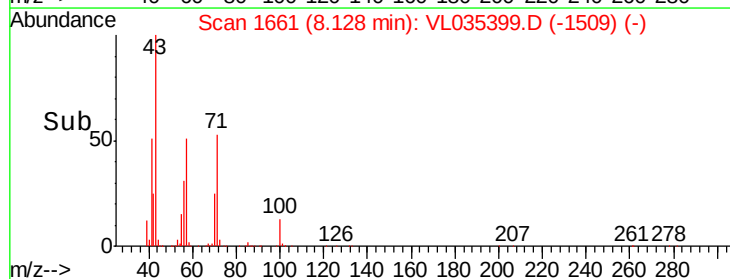
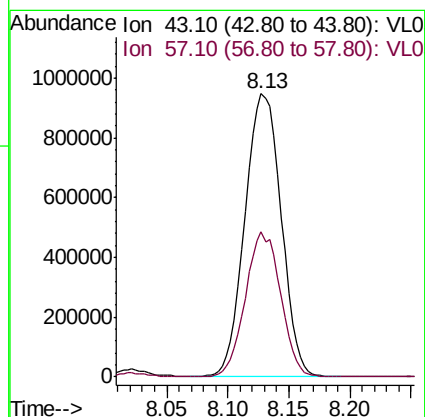
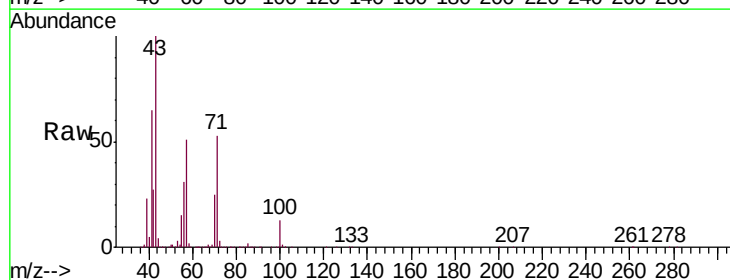
Acq: 13 Aug 2020 9:22

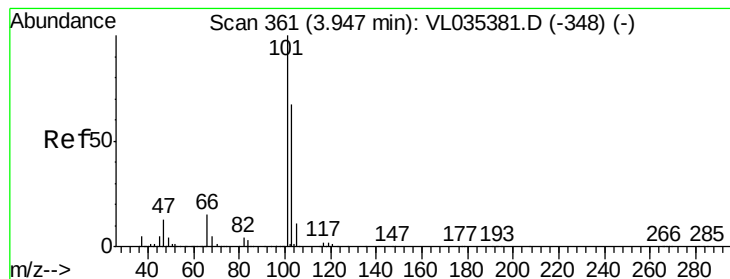
Tgt Ion: 43 Resp: 1936453

Ion Ratio Lower Upper

43 100

57 49.7 39.4 59.2





#11

Trichlorofluoromethane

Concen: 9.247 ppbv

RT: 3.94 min Scan# 360

Delta R.T. -0.00 min

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ClientSampleId :

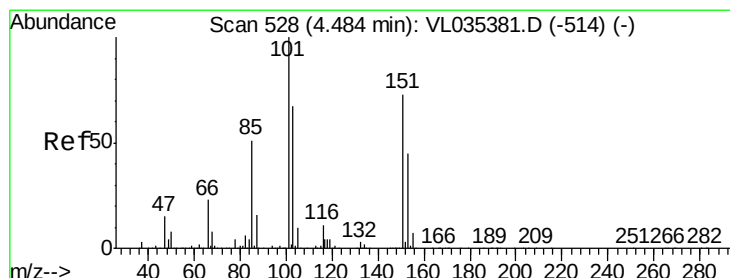
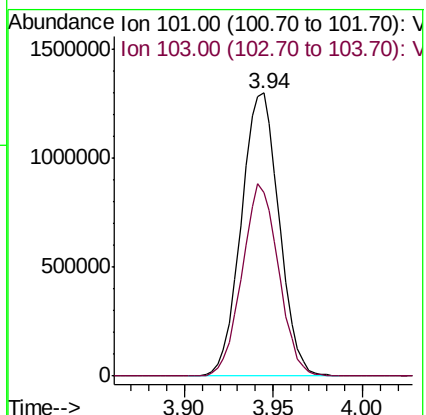
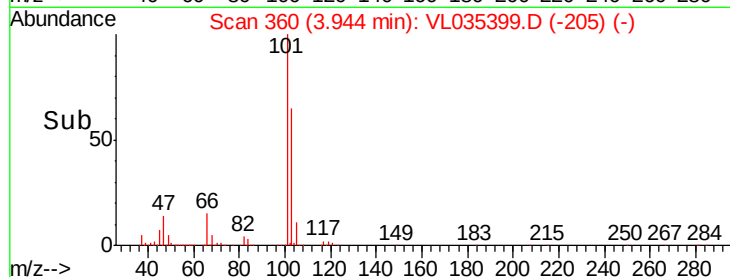
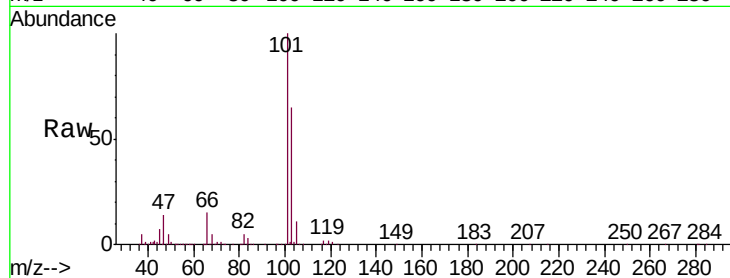
VSTDCCC010

Tgt Ion:101 Resp: 1927802

Ion Ratio Lower Upper

101 100

103 64.8 53.3 79.9



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.031 ppbv

RT: 4.48 min Scan# 526

Delta R.T. -0.01 min

Lab File: VL035399.D

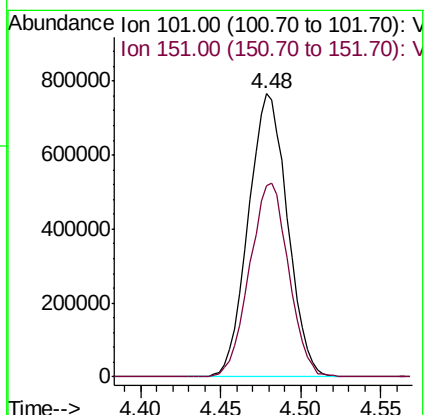
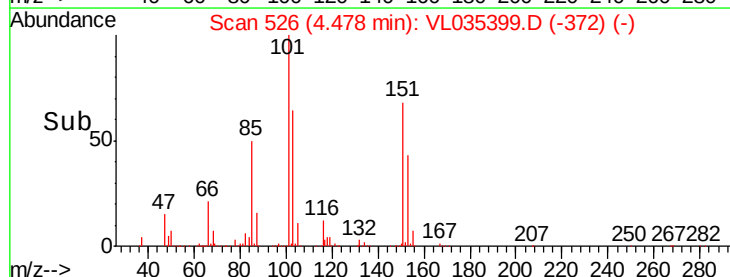
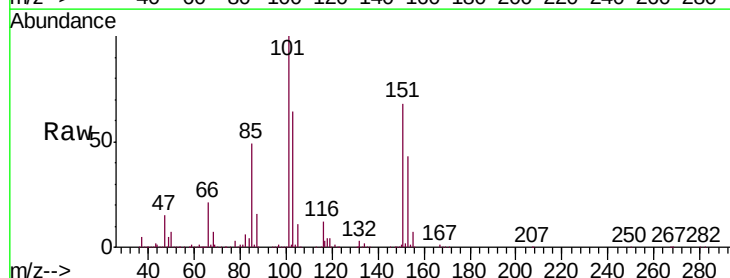
Acq: 13 Aug 2020 9:22

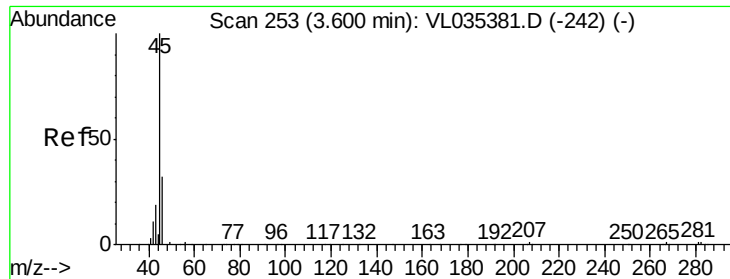
Tgt Ion:101 Resp: 1281187

Ion Ratio Lower Upper

101 100

151 68.7 57.0 85.6





#13

Ethanol

Concen: 7.175 ppbv

RT: 3.60 min Scan# 252

Delta R.T. -0.00 min

Lab File: VL035399.D

Acq: 13 Aug 2020 9:22

Instrument :

MSVOA_L

ClientSampleId :

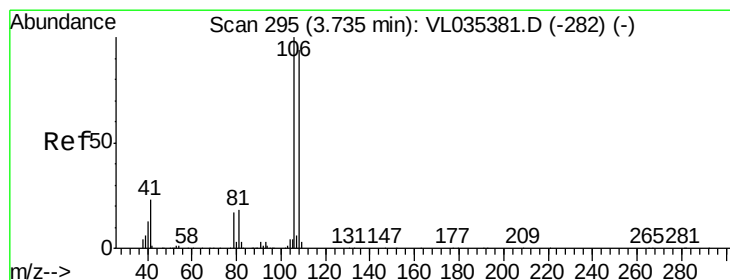
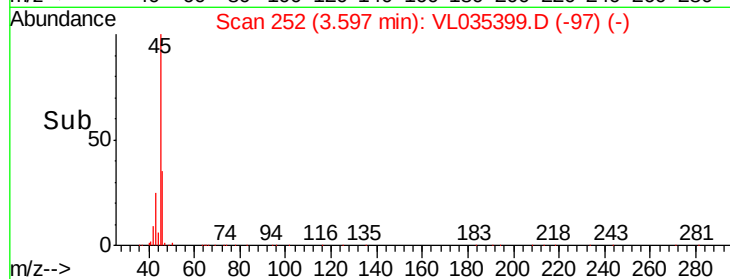
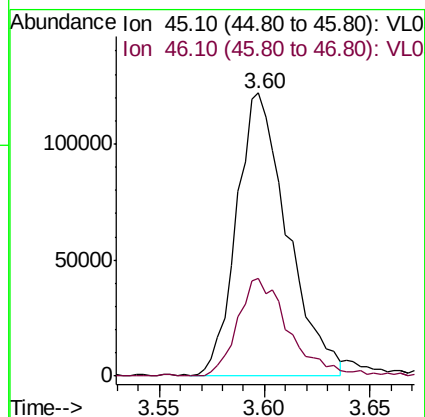
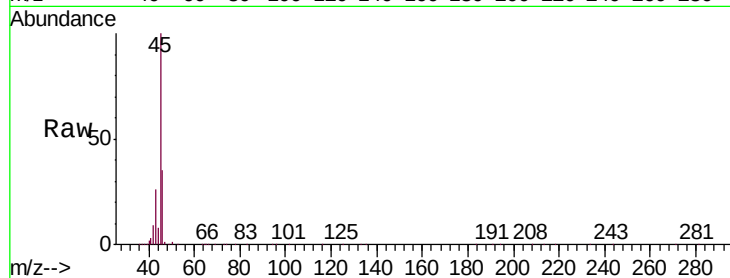
VSTDCCC010

Tgt Ion: 45 Resp: 202283

Ion Ratio Lower Upper

45 100

46 35.9 14.1 56.3



#14

Bromoethene

Concen: 9.153 ppbv

RT: 3.73 min Scan# 294

Delta R.T. -0.00 min

Lab File: VL035399.D

Acq: 13 Aug 2020 9:22

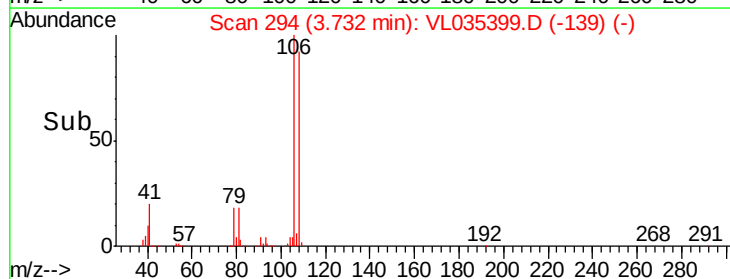
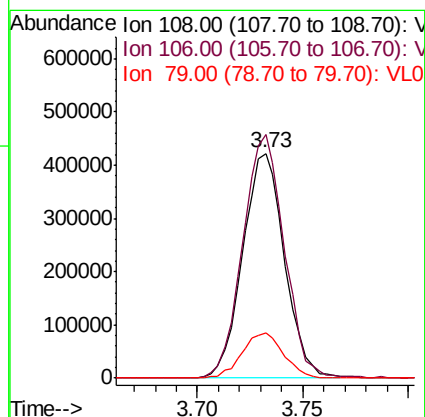
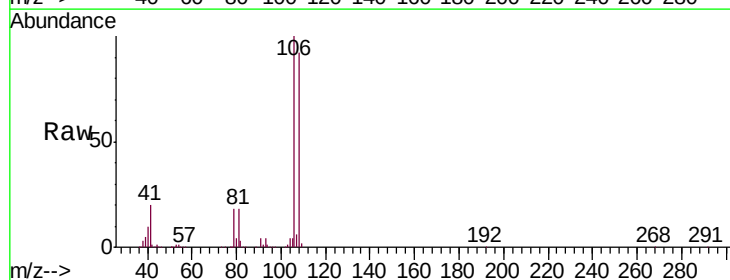
Tgt Ion: 108 Resp: 580157

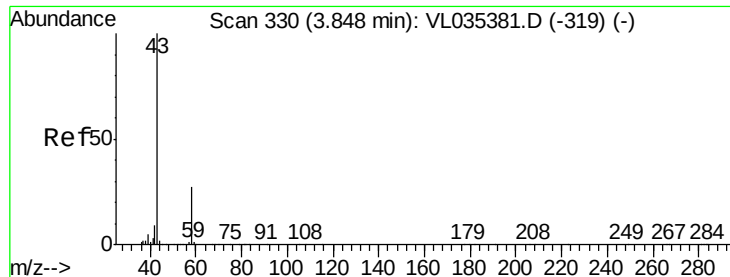
Ion Ratio Lower Upper

108 100

106 107.8 84.9 127.3

79 20.4 15.8 23.8





#15

Acetone

Concen: 8.112 ppbv

RT: 3.84 min Scan# 328

Delta R.T. -0.01 min

Lab File: VL035399.D

Acq: 13 Aug 2020 9:22

Instrument :

MSVOA_L

ClientSampleId :

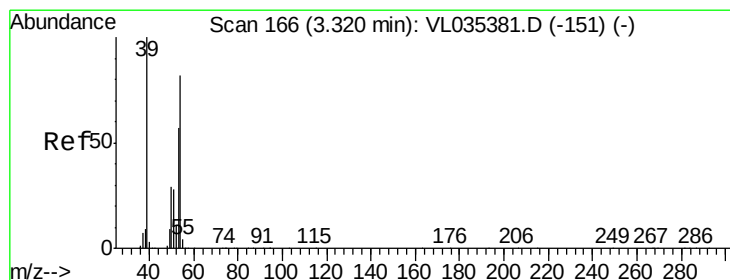
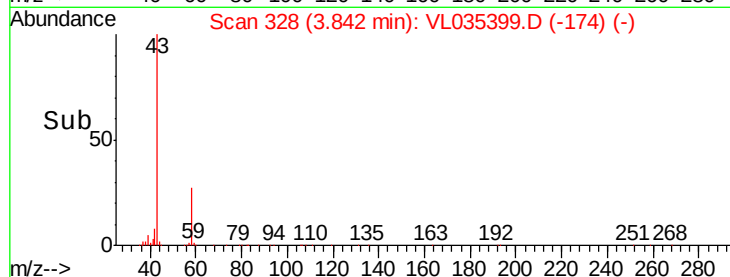
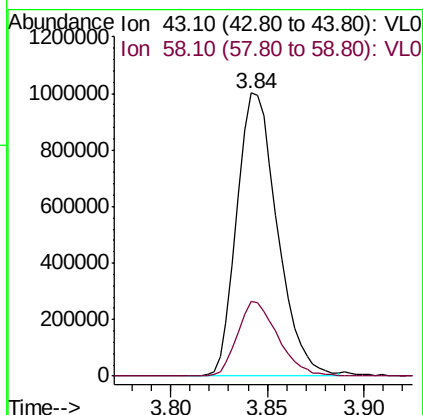
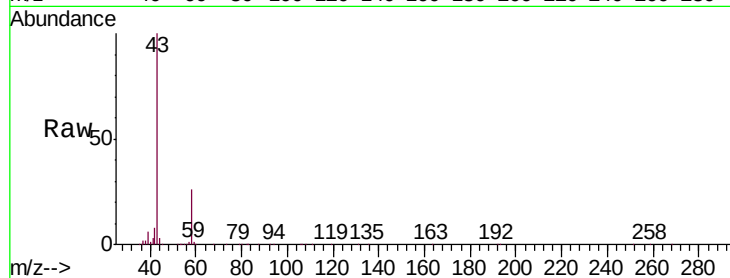
VSTDCCC010

Tgt Ion: 43 Resp: 1458414

Ion Ratio Lower Upper

43 100

58 26.5 21.7 32.5



#16

1,3-Butadiene

Concen: 8.413 ppbv

RT: 3.32 min Scan# 165

Delta R.T. -0.00 min

Lab File: VL035399.D

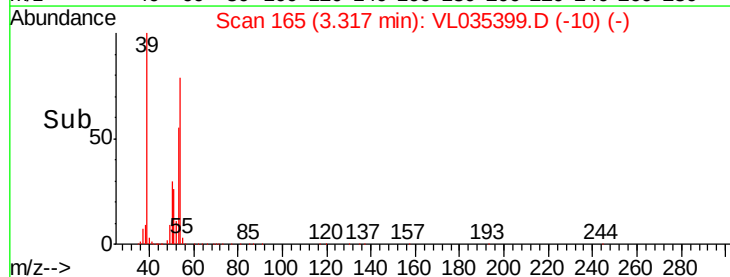
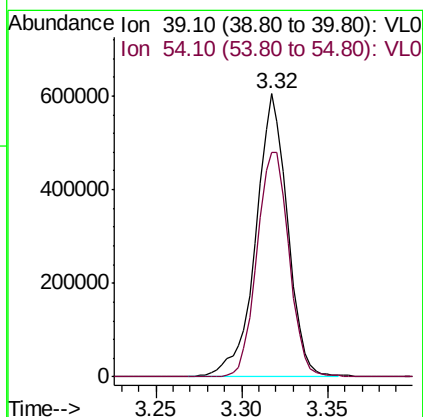
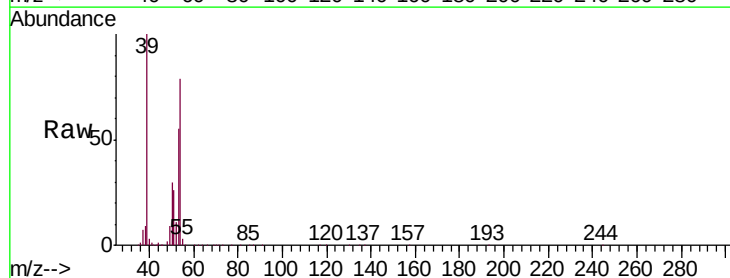
Acq: 13 Aug 2020 9:22

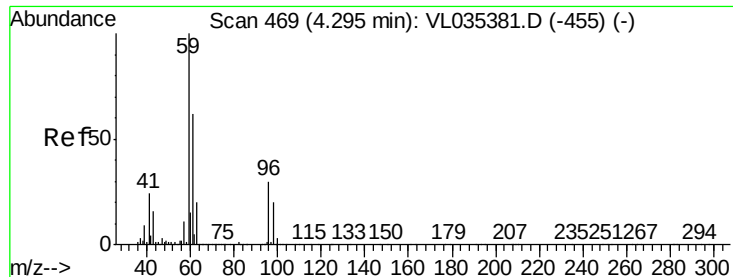
Tgt Ion: 39 Resp: 776629

Ion Ratio Lower Upper

39 100

54 80.2 64.9 97.3





#17

tert-Butyl alcohol

Concen: 8.477 ppbv

RT: 4.29 min Scan# 467

Delta R.T. -0.01 min

Lab File: VL035399.D

Acq: 13 Aug 2020 9:22

Instrument :

MSVOA_L

ClientSampleId :

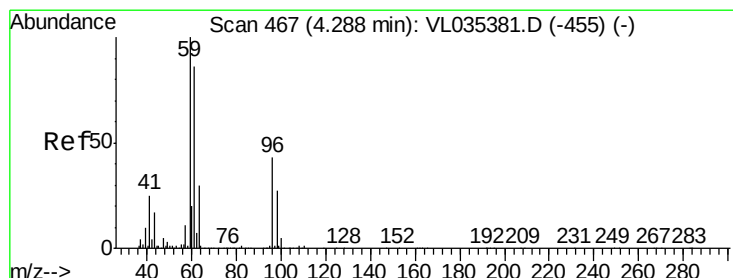
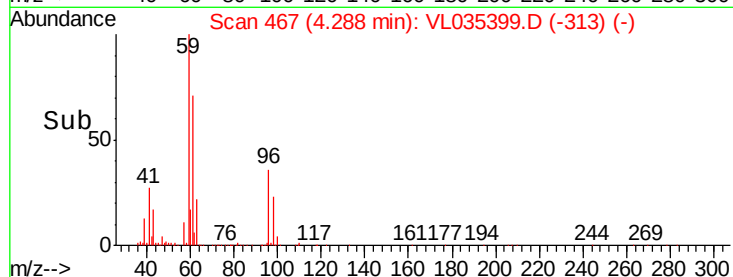
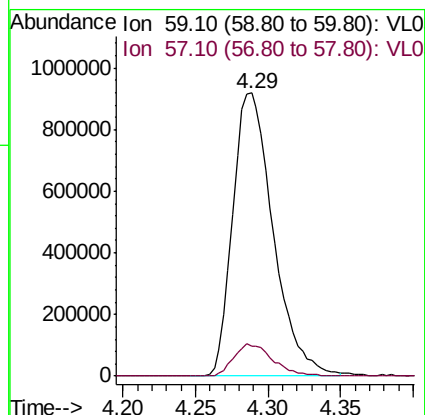
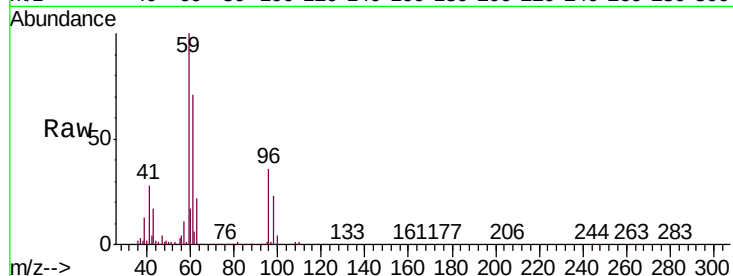
VSTDCCC010

Tgt Ion: 59 Resp: 1777670

Ion Ratio Lower Upper

59 100

57 11.2 8.6 13.0



#18

1,1-Dichloroethene

Concen: 9.079 ppbv

RT: 4.28 min Scan# 465

Delta R.T. -0.01 min

Lab File: VL035399.D

Acq: 13 Aug 2020 9:22

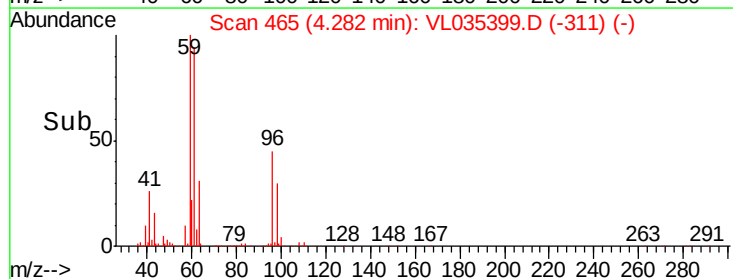
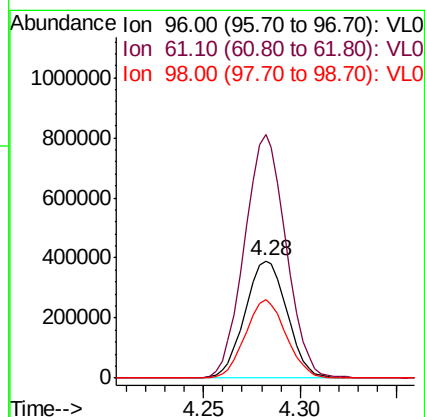
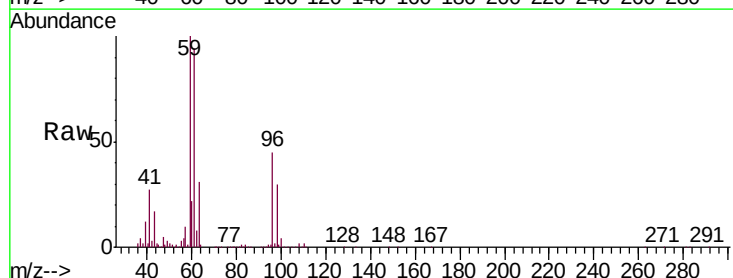
Tgt Ion: 96 Resp: 590093

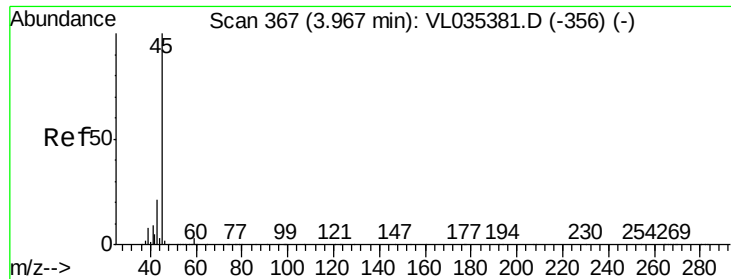
Ion Ratio Lower Upper

96 100

61 207.2 159.0 238.4

98 66.9 50.3 75.5





#19

Isopropyl Alcohol

Concen: 8.551 ppbv

RT: 3.96 min Scan# 366

Delta R.T. -0.00 min

Lab File: VL035399.D

Acq: 13 Aug 2020 9:22

Instrument :

MSVOA_L

ClientSampleId :

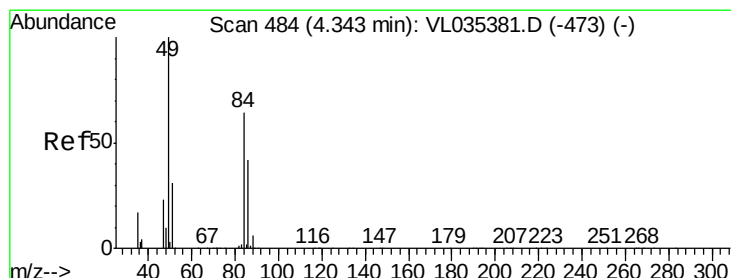
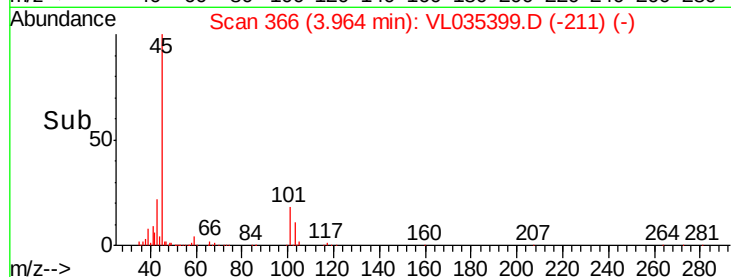
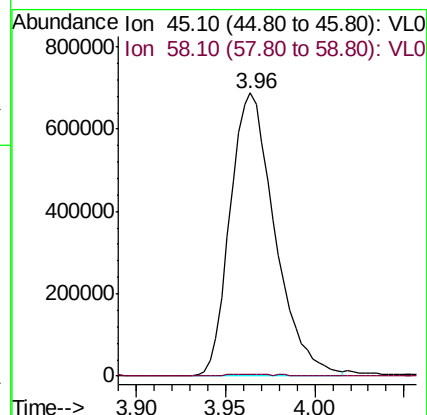
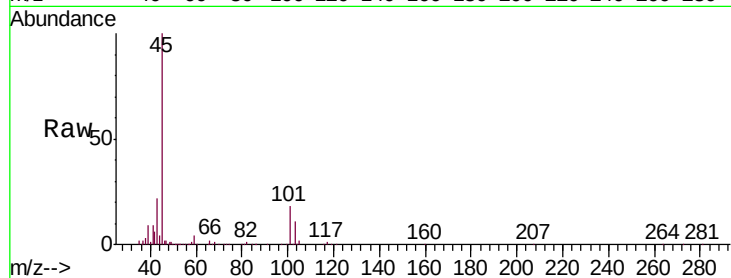
VSTDCCC010

Tgt Ion: 45 Resp: 1199835

Ion Ratio Lower Upper

45 100

58 1.0 24.9 37.3#



#20

Methylene Chloride

Concen: 8.118 ppbv

RT: 4.34 min Scan# 482

Delta R.T. -0.01 min

Lab File: VL035399.D

Acq: 13 Aug 2020 9:22

Tgt Ion: 84 Resp: 551115

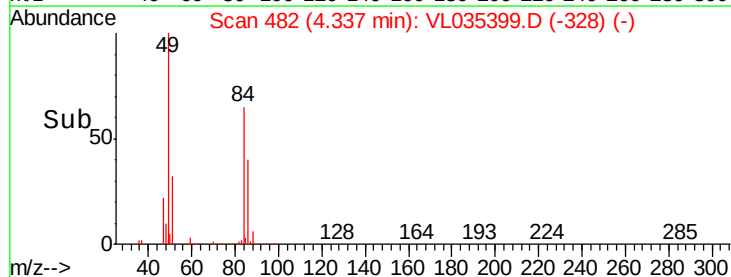
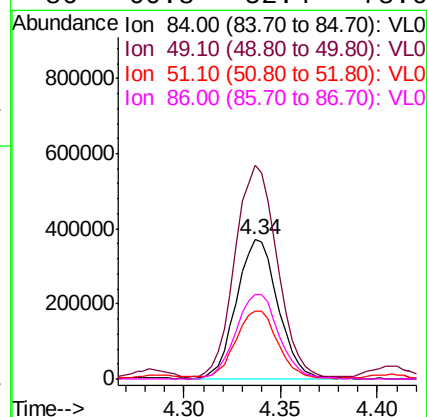
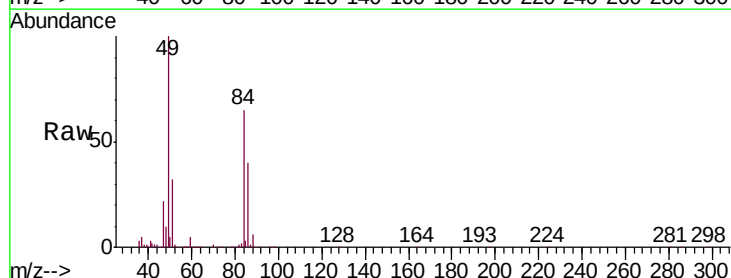
Ion Ratio Lower Upper

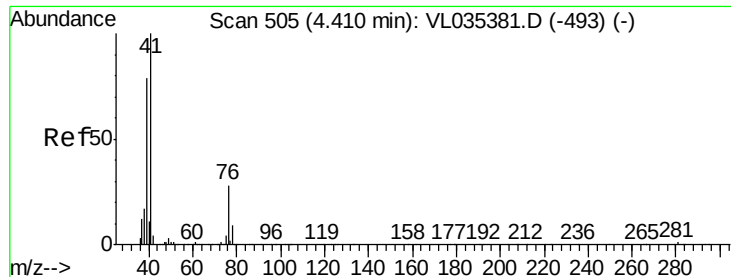
84 100

49 152.3 125.7 188.5

51 47.9 38.5 57.7

86 60.8 52.4 78.6

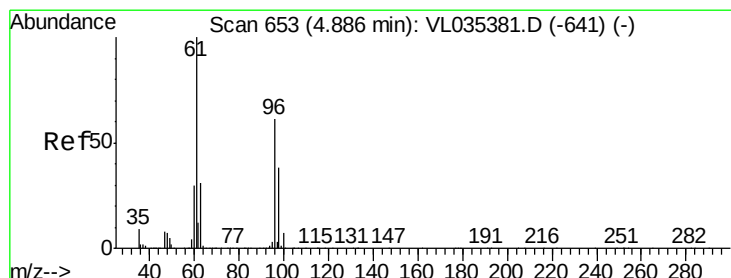
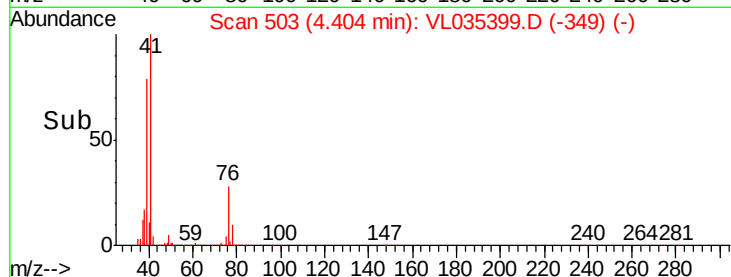
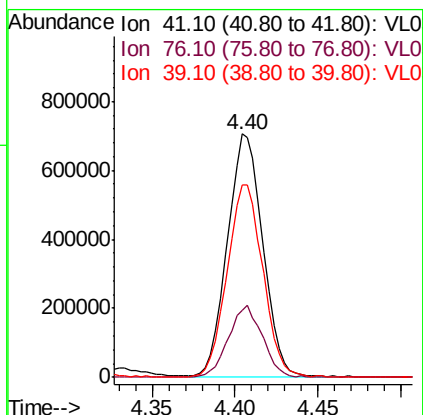
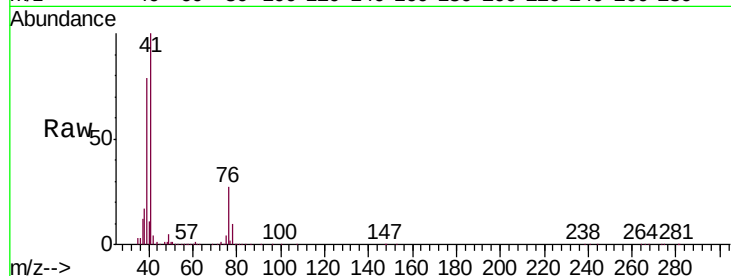




#21
 Allyl Chloride
 Concen: 8.840 ppbv
 RT: 4.40 min Scan# 503
 Delta R.T. -0.01 min
 Lab File: VL035399.D
 Acq: 13 Aug 2020 9:22

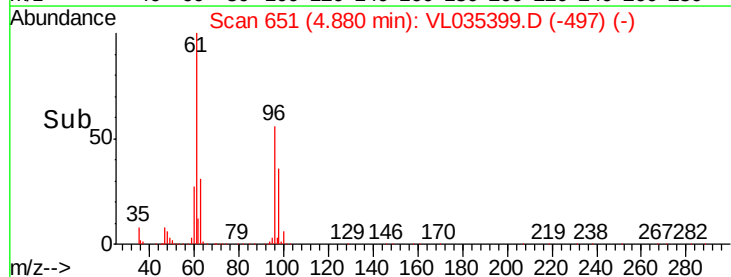
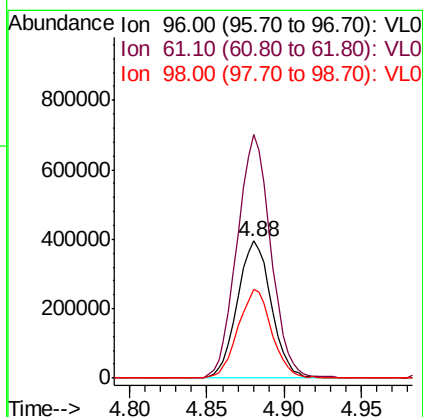
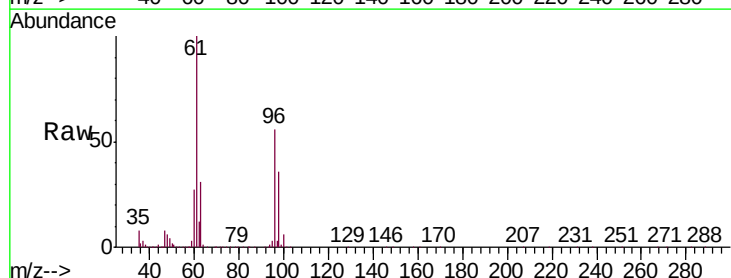
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

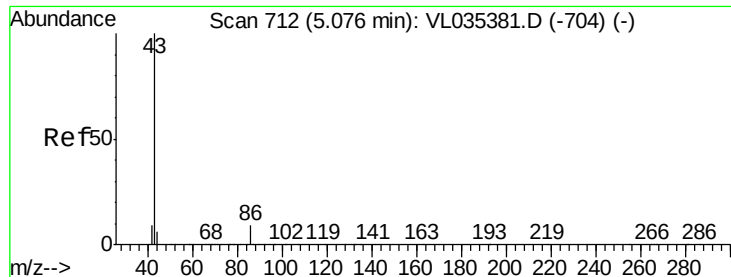
Tgt Ion: 41 Resp: 1043591
 Ion Ratio Lower Upper
 41 100
 76 28.6 22.4 33.6
 39 80.4 63.0 94.4



#22
 trans-1,2-Dichloroethene
 Concen: 9.251 ppbv
 RT: 4.88 min Scan# 651
 Delta R.T. -0.01 min
 Lab File: VL035399.D
 Acq: 13 Aug 2020 9:22

Tgt Ion: 96 Resp: 604071
 Ion Ratio Lower Upper
 96 100
 61 177.9 131.8 197.6
 98 64.7 49.6 74.4





#23

Vinyl Acetate

Concen: 8.836 ppbv

RT: 5.07 min Scan# 711

Delta R.T. -0.00 min

Lab File: VL035399.D

Acq: 13 Aug 2020 9:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 2536148

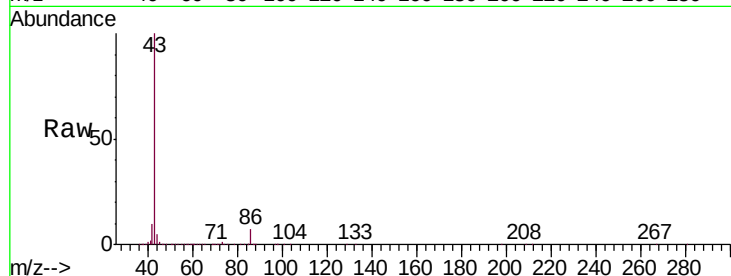
Ion Ratio Lower Upper

43 100

86 7.4 5.8 8.8

42 10.1 8.0 12.0

44 5.1 4.2 6.2

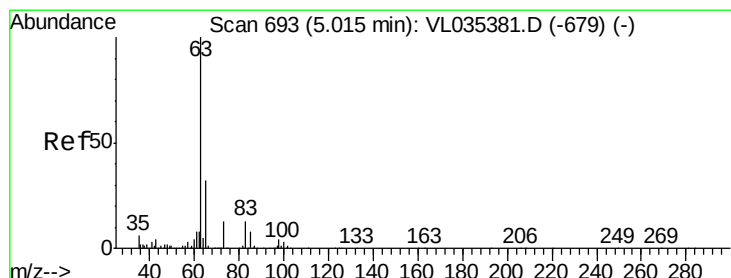
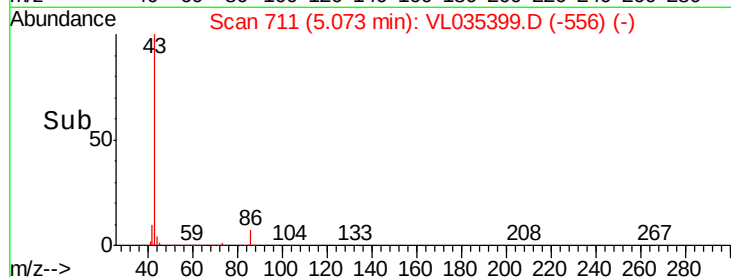
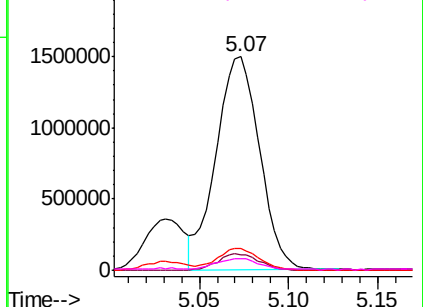


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.054 ppbv

RT: 5.01 min Scan# 691

Delta R.T. -0.01 min

Lab File: VL035399.D

Acq: 13 Aug 2020 9:22

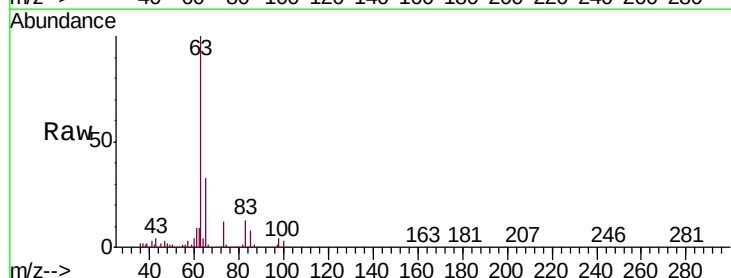
Tgt Ion: 63 Resp: 1711382

Ion Ratio Lower Upper

63 100

98 4.3 2.2 6.6

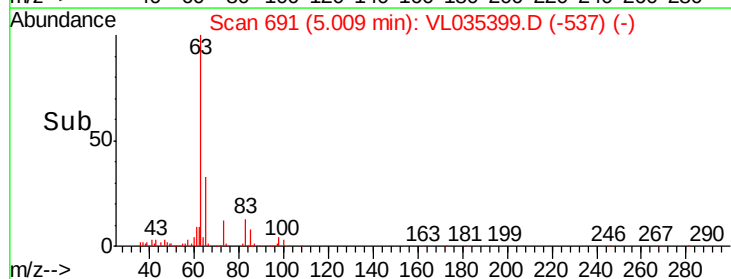
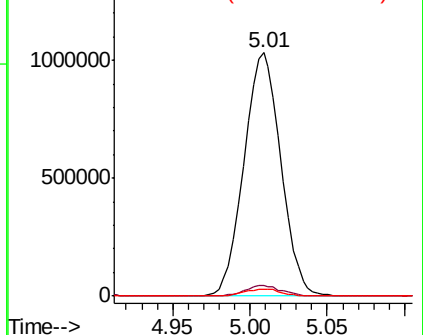
100 2.6 1.4 4.0

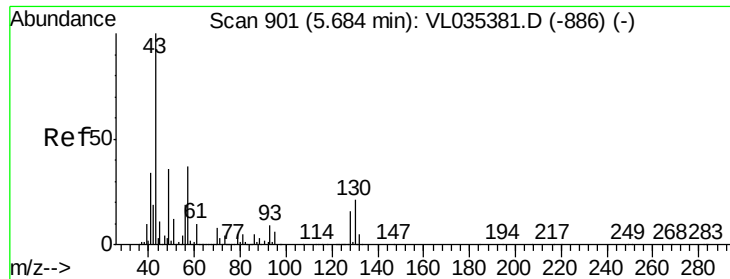


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

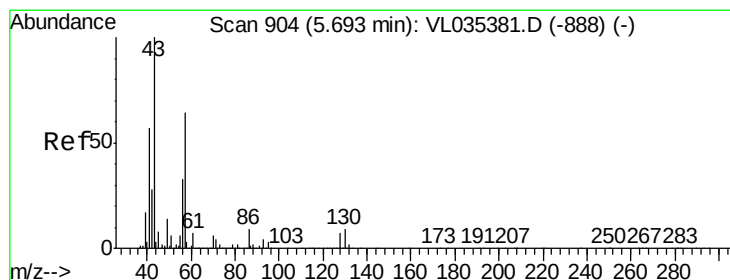
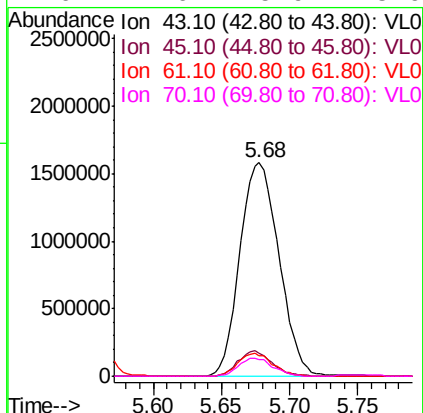
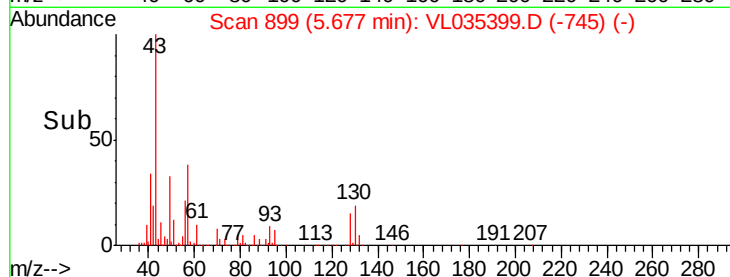
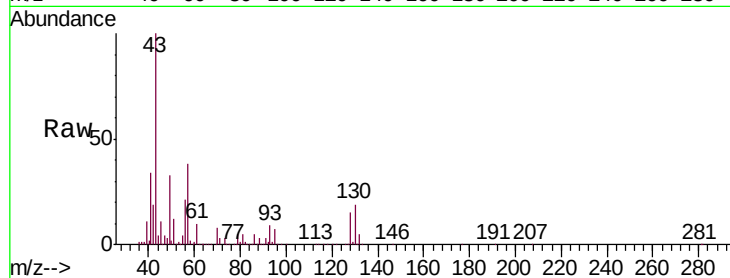




#25
Ethyl Acetate
Concen: 8.484 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.01 min
Lab File: VL035399.D
Acq: 13 Aug 2020 9:22

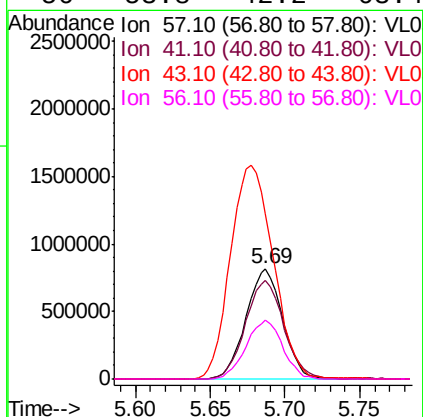
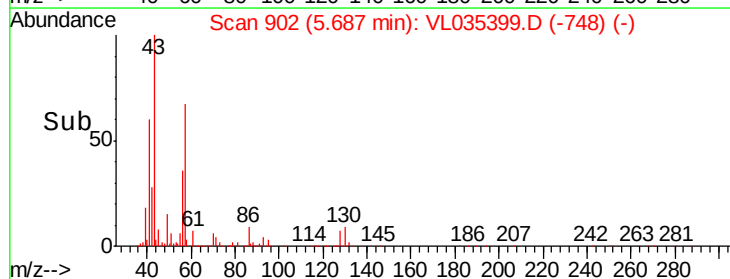
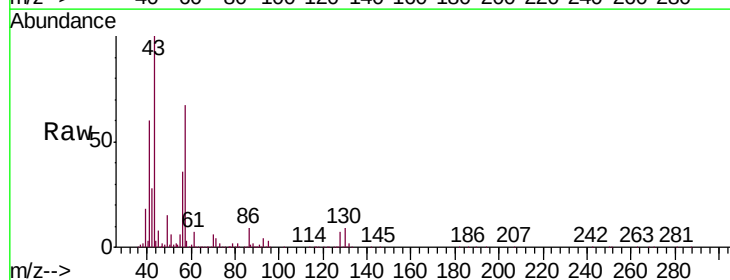
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

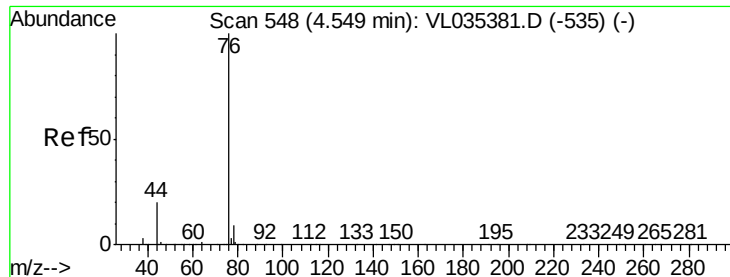
Tgt Ion:	43	Resp:	3148406
Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.0	12.0
61	9.6	7.4	11.2
70	7.6	5.9	8.9



#26
Hexane
Concen: 8.518 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.01 min
Lab File: VL035399.D
Acq: 13 Aug 2020 9:22

Tgt Ion:	57	Resp:	1383137
Ion	Ratio	Lower	Upper
57	100		
41	93.7	75.4	113.2
43	228.6	184.1	276.1
56	53.8	42.2	63.4





#27

Carbon Disulfide

Concen: 9.098 ppbv

RT: 4.54 min Scan# 546

Delta R.T. -0.01 min

Lab File: VL035399.D

Acq: 13 Aug 2020 9:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

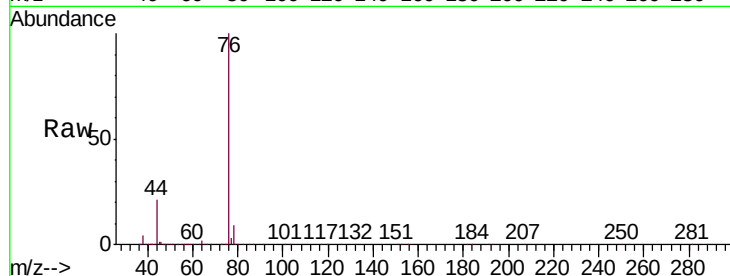
Tgt Ion: 76 Resp: 1577155

Ion Ratio Lower Upper

76 100

44 20.6 17.0 25.4

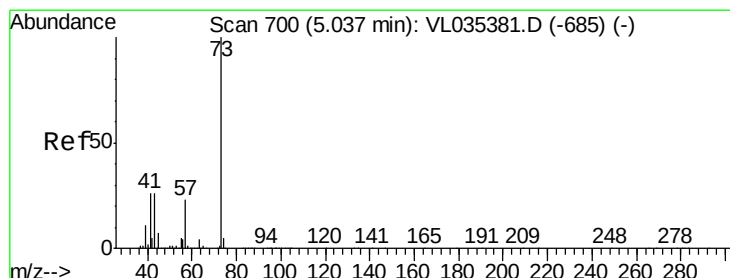
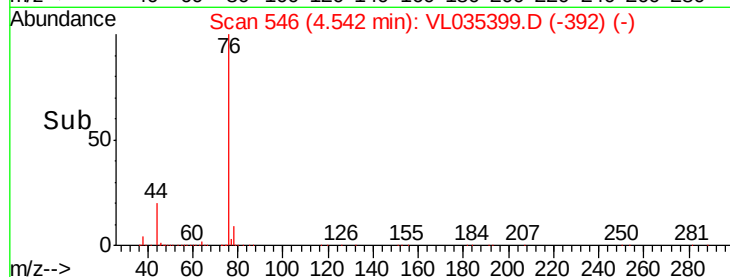
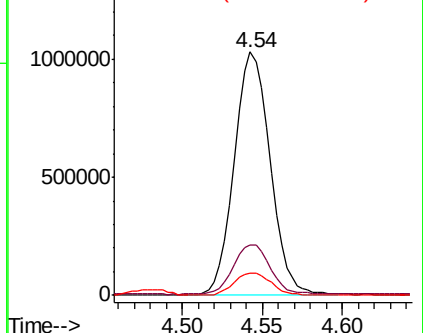
78 9.7 7.5 11.3



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: 8.652 ppbv

RT: 5.03 min Scan# 698

Delta R.T. -0.01 min

Lab File: VL035399.D

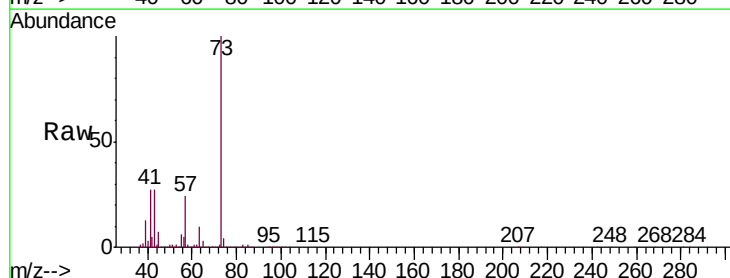
Acq: 13 Aug 2020 9:22

Tgt Ion: 73 Resp: 2319850

Ion Ratio Lower Upper

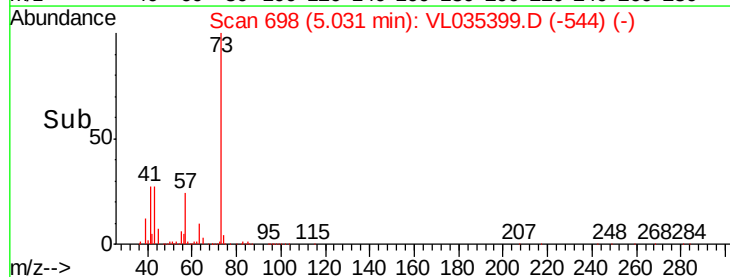
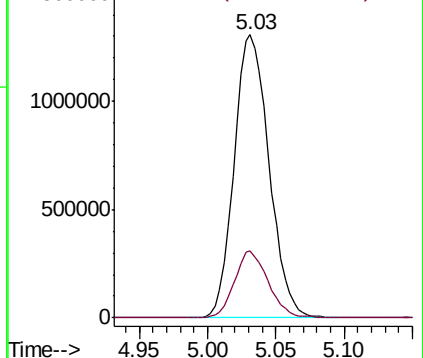
73 100

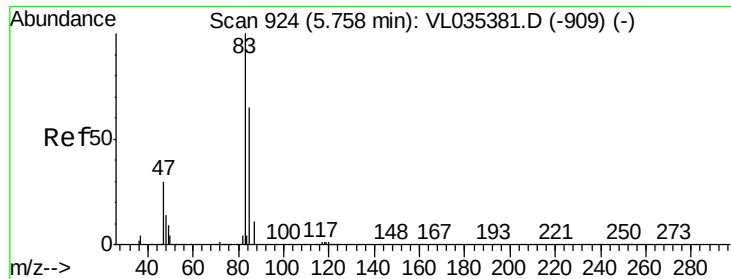
57 23.0 19.0 28.4



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

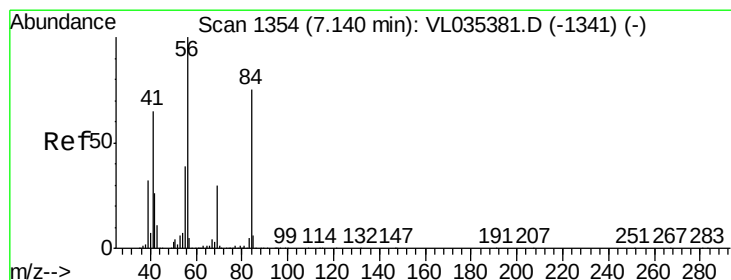
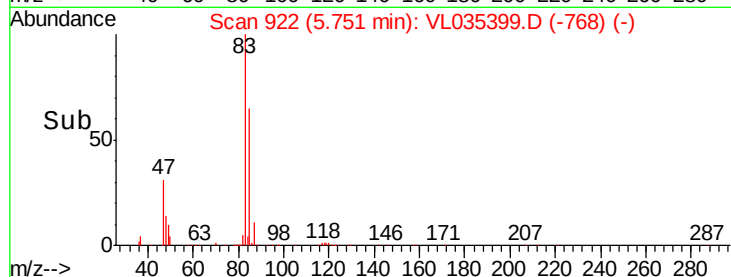
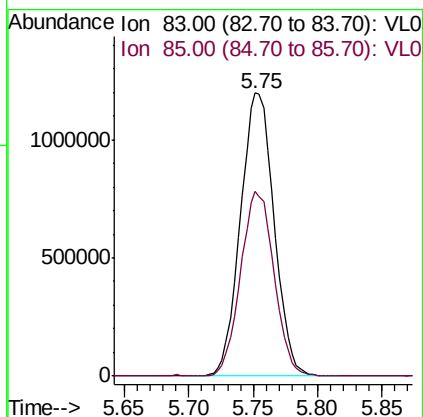
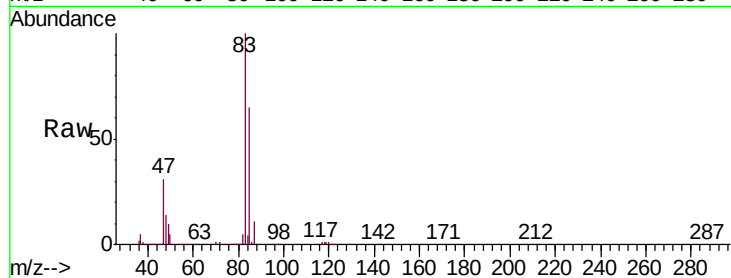




#29
Chloroform
Concen: 9.390 ppbv
RT: 5.75 min Scan# 922
Delta R.T. -0.01 min
Lab File: VL035399.D
Acq: 13 Aug 2020 9:22

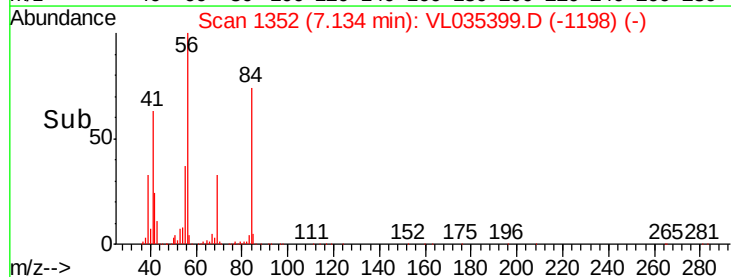
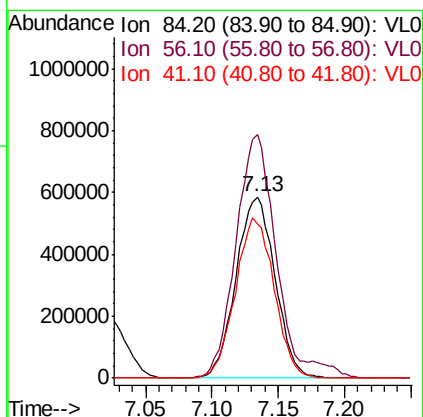
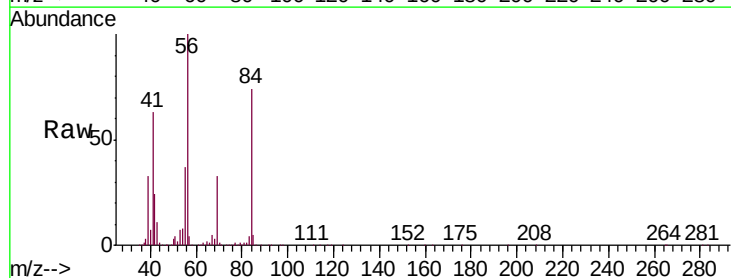
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

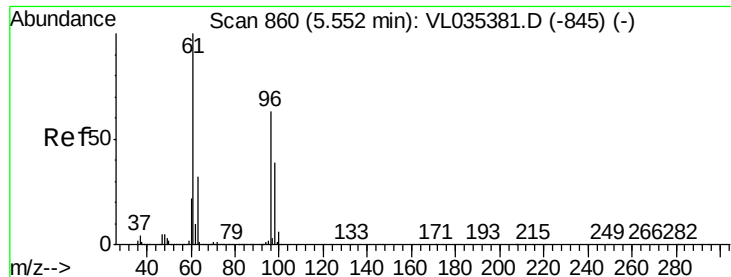
Tgt Ion: 83 Resp: 2176067
Ion Ratio Lower Upper
83 100
85 65.4 51.7 77.5



#30
Cyclohexane
Concen: 8.918 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. -0.01 min
Lab File: VL035399.D
Acq: 13 Aug 2020 9:22

Tgt Ion: 84 Resp: 1193631
Ion Ratio Lower Upper
84 100
56 141.0 115.8 173.6
41 88.0 71.4 107.0





#31

cis-1,2-Dichloroethene

Concen: 9.237 ppbv

RT: 5.55 min Scan# 859

Delta R.T. -0.00 min

Lab File: VL035399.D

Acq: 13 Aug 2020 9:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

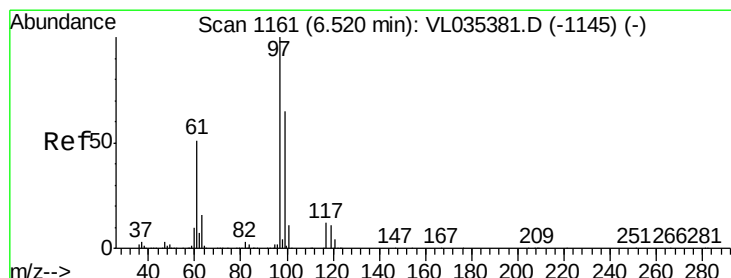
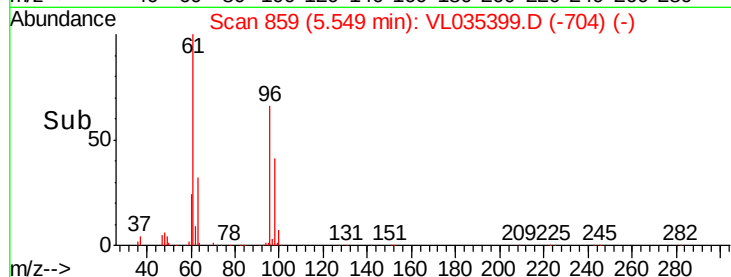
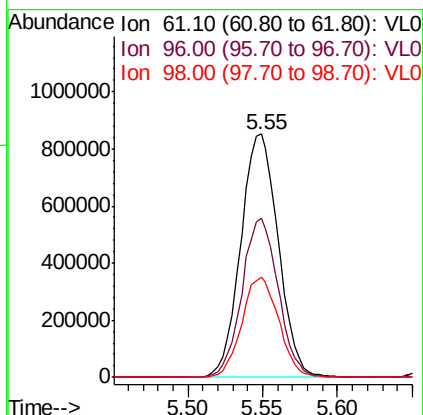
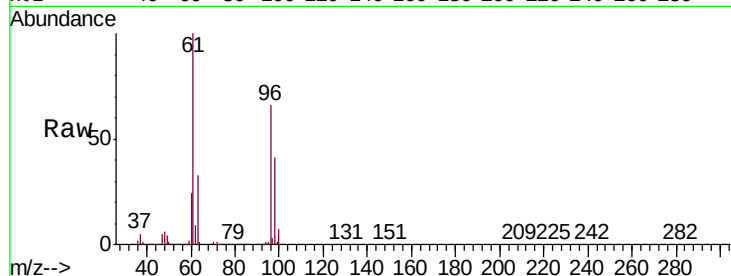
Tgt Ion: 61 Resp: 1487285

Ion Ratio Lower Upper

61 100

96 65.5 50.5 75.7

98 41.0 31.5 47.3



#32

1,1,1-Trichloroethane

Concen: 8.697 ppbv

RT: 6.51 min Scan# 1159

Delta R.T. -0.01 min

Lab File: VL035399.D

Acq: 13 Aug 2020 9:22

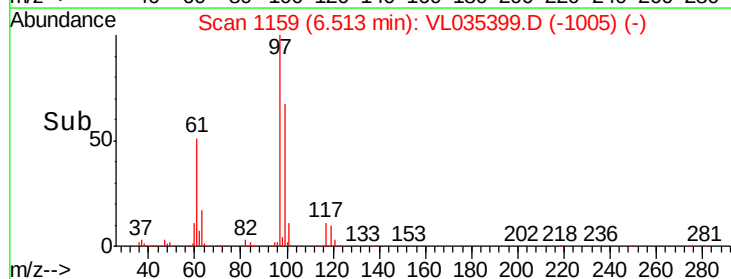
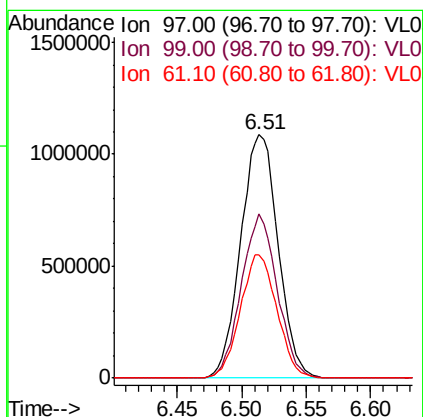
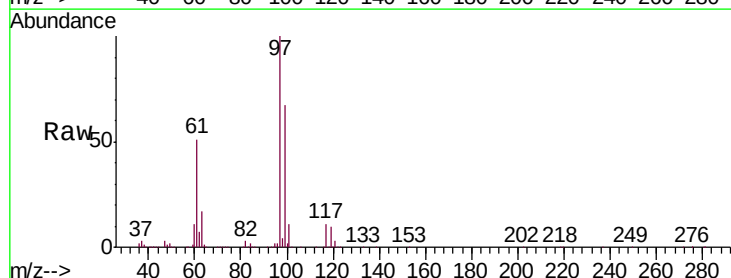
Tgt Ion: 97 Resp: 2198566

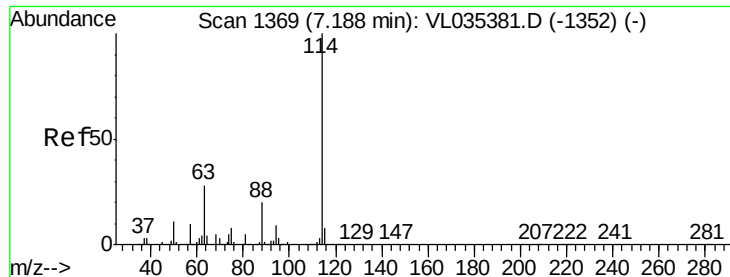
Ion Ratio Lower Upper

97 100

99 64.5 51.8 77.8

61 49.7 39.6 59.4

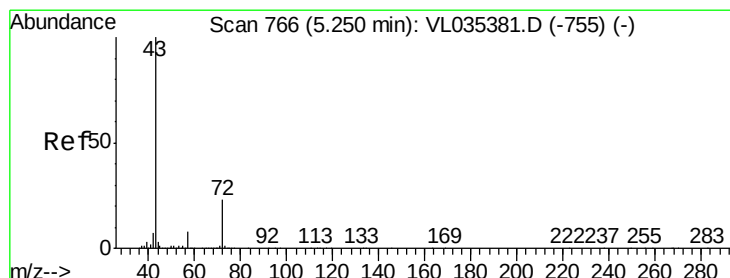
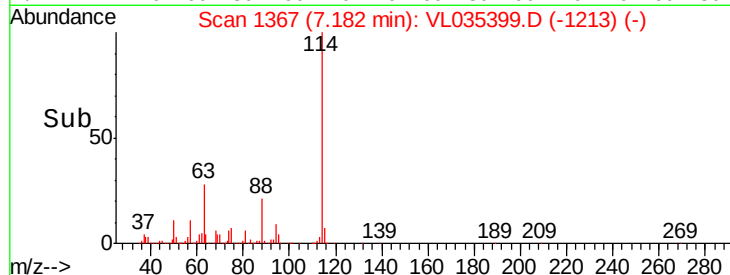
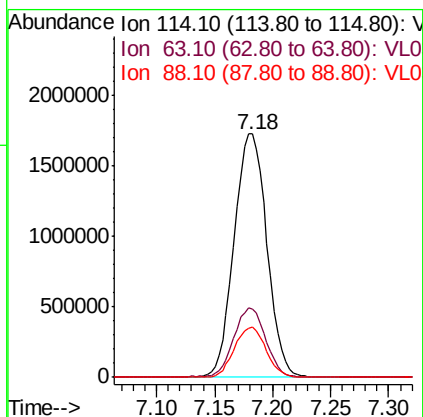
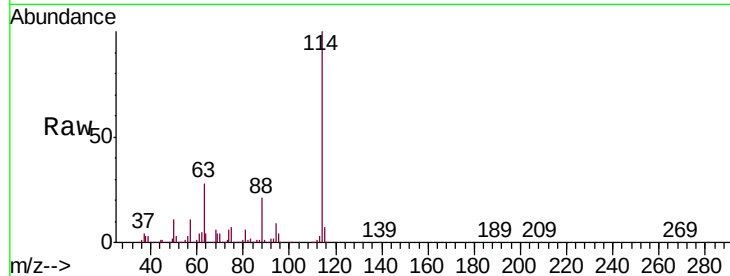




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. -0.01 min
 Lab File: VL035399.D
 Acq: 13 Aug 2020 9:22

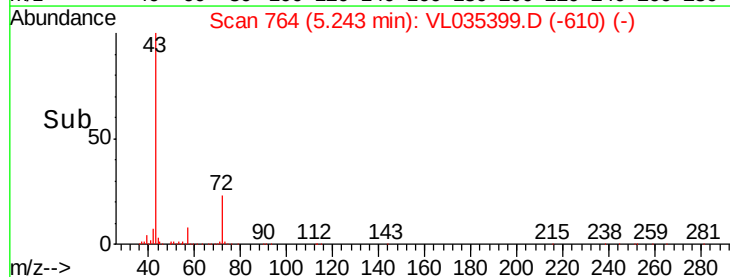
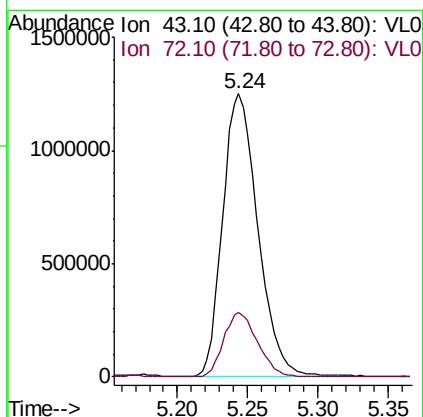
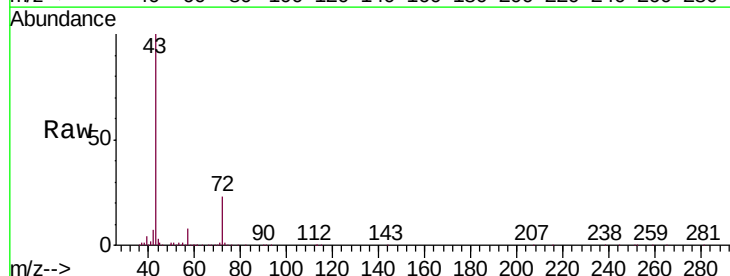
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

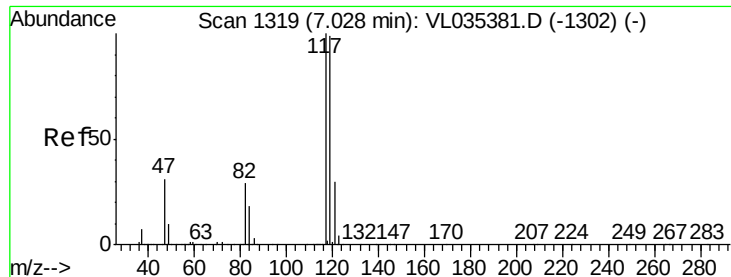
Tgt Ion: 114 Resp: 3390235
 Ion Ratio Lower Upper
 114 100
 63 28.1 21.5 32.3
 88 20.0 15.6 23.4



#34
 2-Butanone
 Concen: 9.013 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. -0.01 min
 Lab File: VL035399.D
 Acq: 13 Aug 2020 9:22

Tgt Ion: 43 Resp: 2177458
 Ion Ratio Lower Upper
 43 100
 72 22.0 17.7 26.5





#35

Carbon Tetrachloride

Concen: 9.124 ppbv

RT: 7.02 min Scan# 1317

Delta R.T. -0.01 min

Lab File: VL035399.D

Acq: 13 Aug 2020 9:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

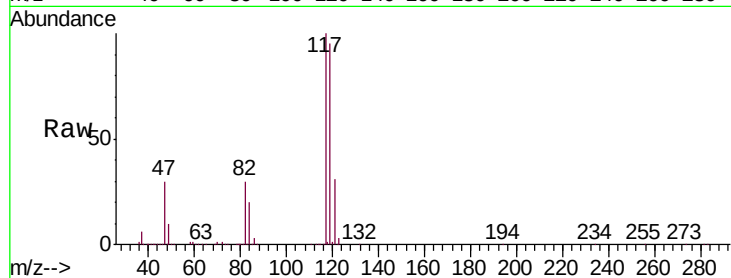
Tgt Ion: 117 Resp: 2150305

Ion Ratio Lower Upper

117 100

119 95.0 79.4 119.0

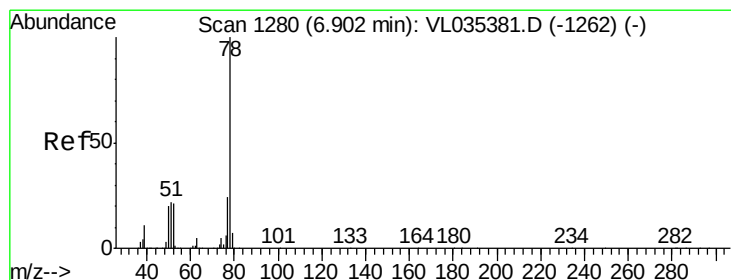
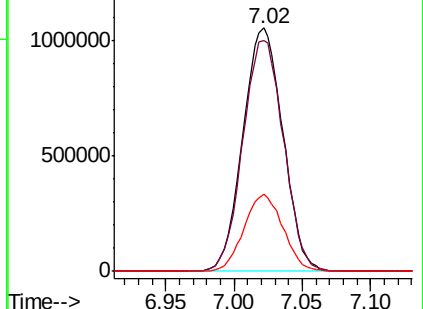
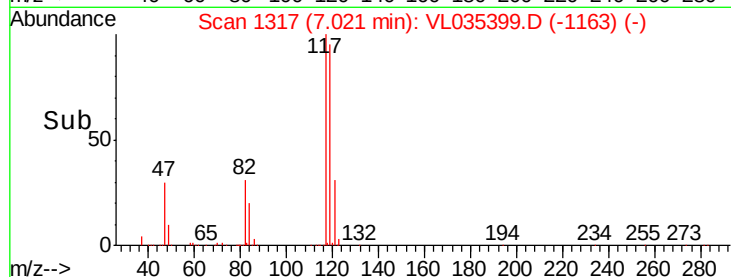
121 31.4 24.3 36.5



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: 8.867 ppbv

RT: 6.89 min Scan# 1277

Delta R.T. -0.01 min

Lab File: VL035399.D

Acq: 13 Aug 2020 9:22

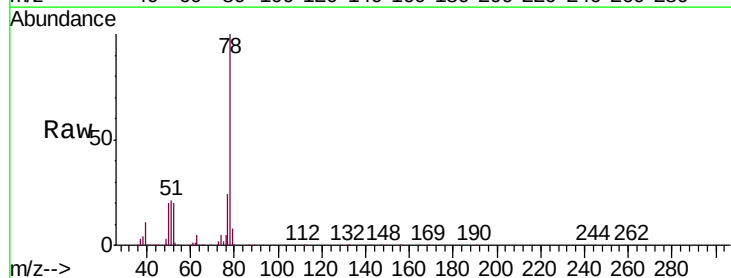
Tgt Ion: 78 Resp: 2882707

Ion Ratio Lower Upper

78 100

77 24.1 19.1 28.7

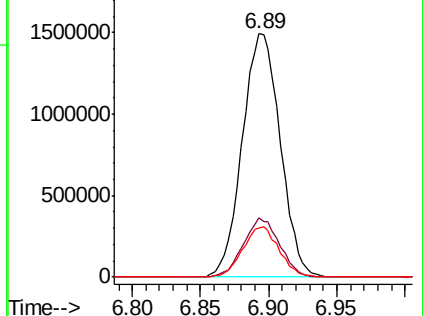
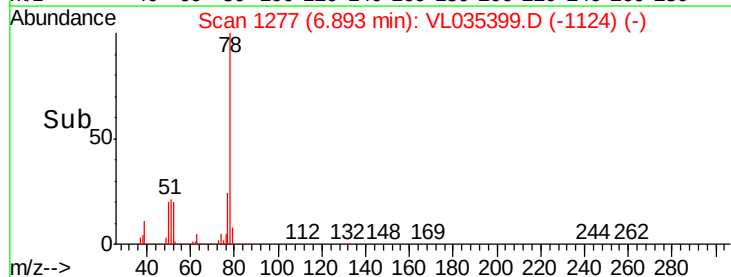
50 20.3 15.8 23.6

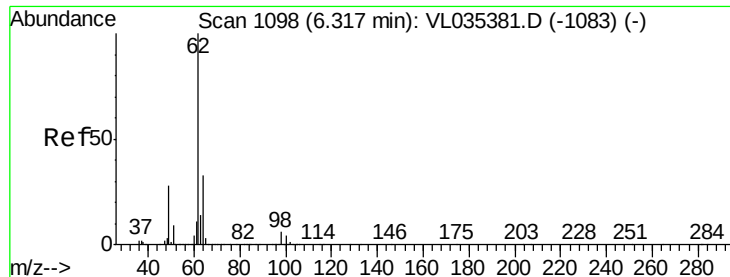


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

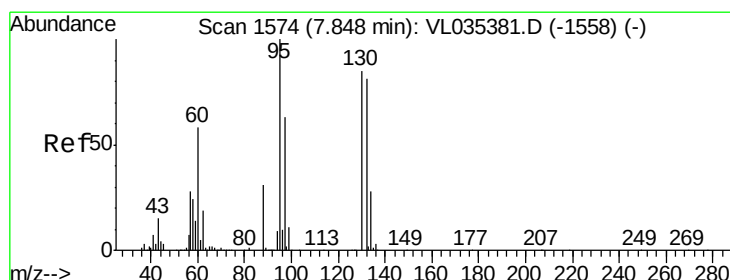
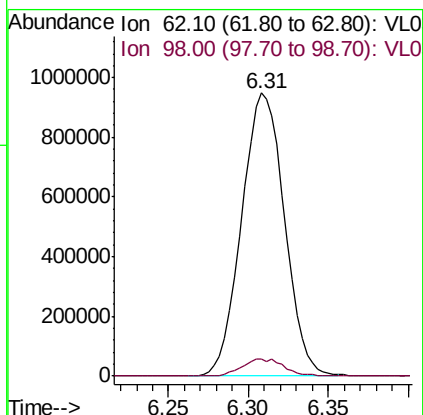
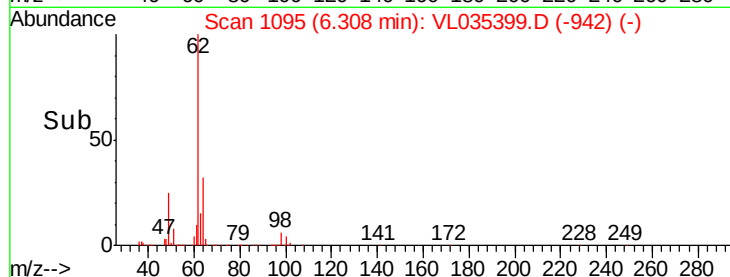
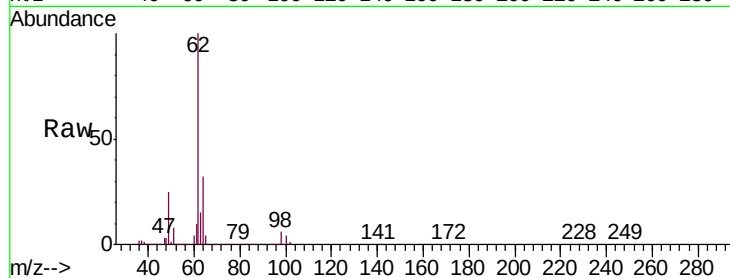




#37
 1,2-Dichloroethane
 Concen: 9.624 ppbv
 RT: 6.31 min Scan# 1095
 Delta R.T. -0.01 min
 Lab File: VL035399.D
 Acq: 13 Aug 2020 9:22

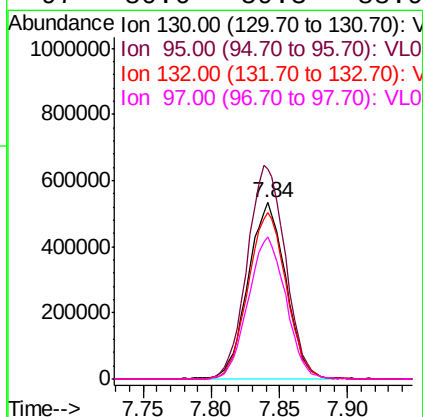
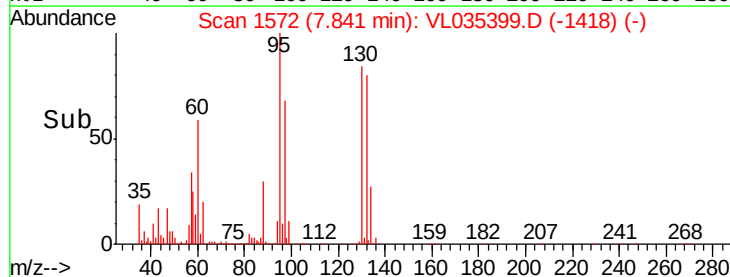
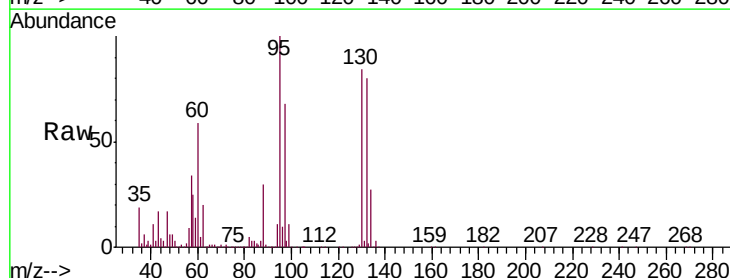
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

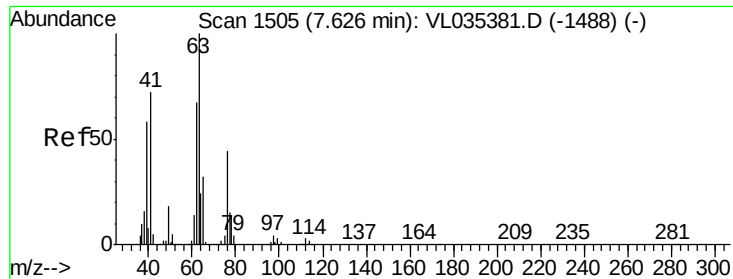
Tgt Ion: 62 Resp: 1736786
 Ion Ratio Lower Upper
 62 100
 98 6.0 5.1 7.7



#38
 Trichloroethene
 Concen: 7.986 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: VL035399.D
 Acq: 13 Aug 2020 9:22

Tgt Ion: 130 Resp: 1017474
 Ion Ratio Lower Upper
 130 100
 95 119.1 94.2 141.4
 132 94.9 76.6 114.8
 97 80.6 59.3 88.9

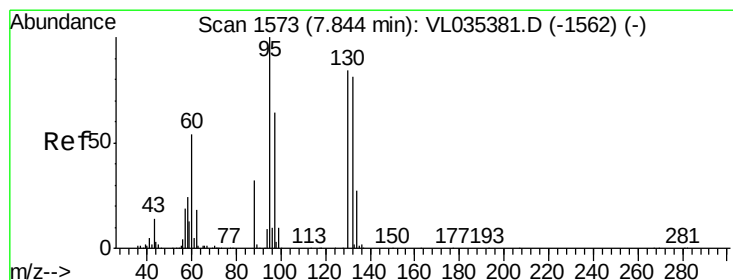
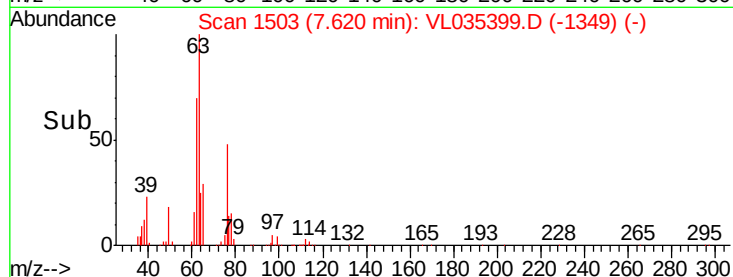
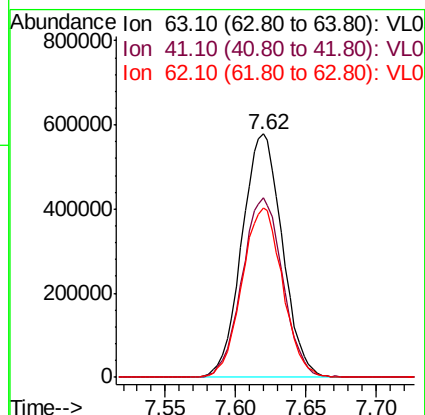
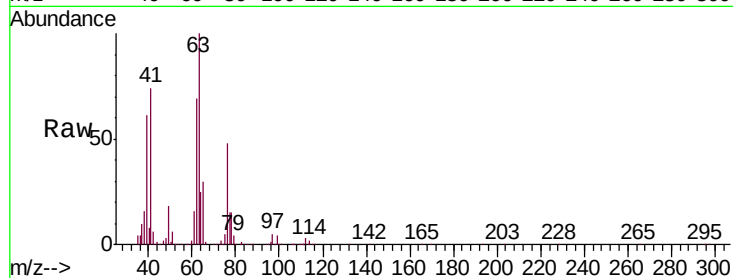




#39
 1,2-Dichloropropane
 Concen: 9.017 ppbv
 RT: 7.62 min Scan# 1503
 Delta R.T. -0.01 min
 Lab File: VL035399.D
 Acq: 13 Aug 2020 9:22

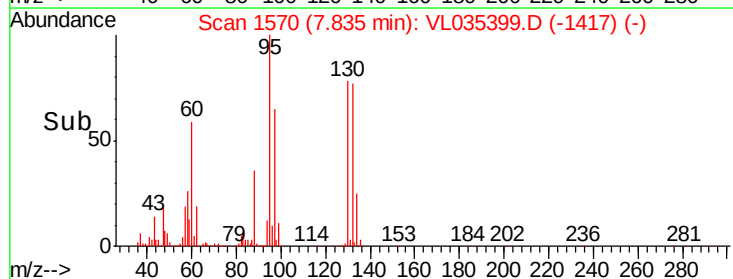
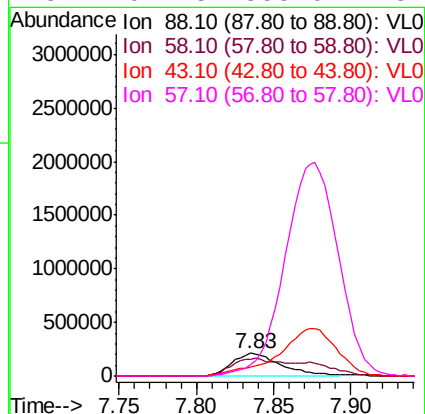
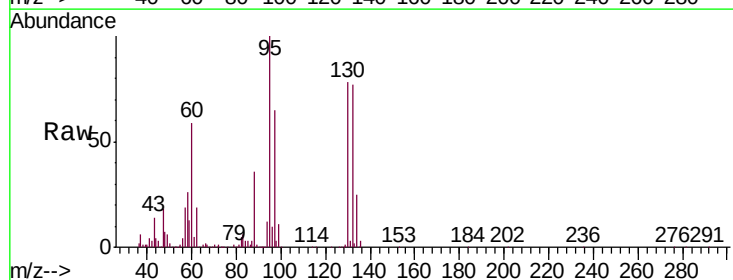
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

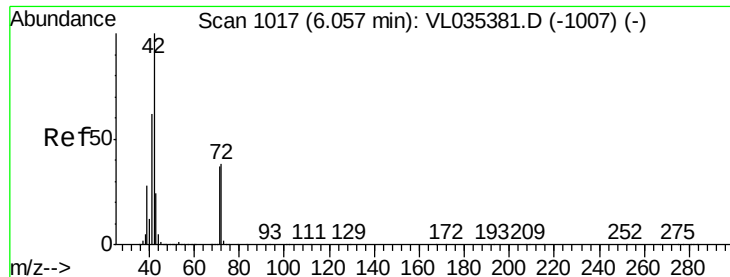
Tgt Ion: 63 Resp: 1160768
 Ion Ratio Lower Upper
 63 100
 41 73.5 57.4 86.2
 62 69.3 53.6 80.4



#40
 1,4-Dioxane
 Concen: 8.724 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: VL035399.D
 Acq: 13 Aug 2020 9:22

Tgt Ion: 88 Resp: 457420
 Ion Ratio Lower Upper
 88 100
 58 130.5 105.0 157.6
 43 251.6 204.2 306.2
 57 1047.8 855.0 1282.4





#41

Tetrahydrofuran

Concen: 8.843 ppbv

RT: 6.05 min Scan# 1015

Delta R.T. -0.01 min

Lab File: VL035399.D

Acq: 13 Aug 2020 9:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

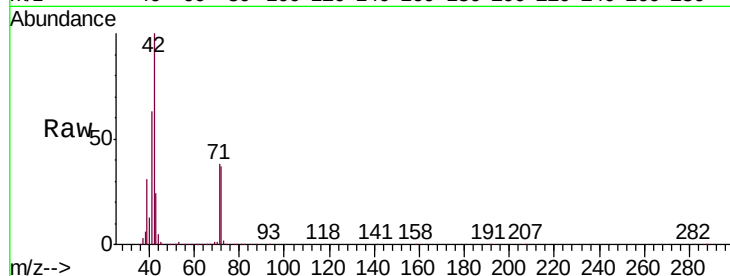
Tgt Ion: 42 Resp: 1274670

Ion Ratio Lower Upper

42 100

72 38.3 30.2 45.2

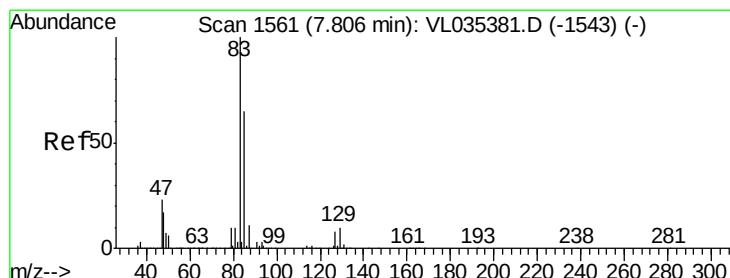
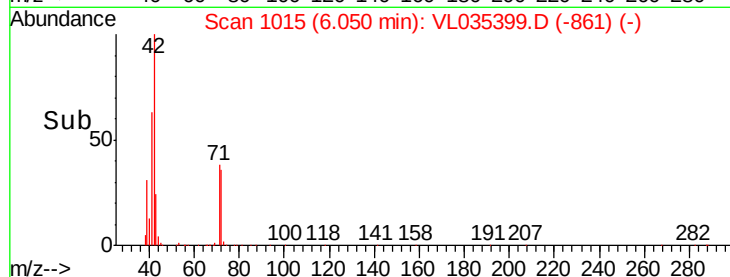
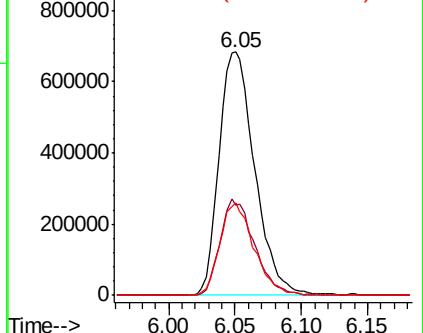
71 36.7 28.6 42.8



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: 9.431 ppbv

RT: 7.80 min Scan# 1559

Delta R.T. -0.01 min

Lab File: VL035399.D

Acq: 13 Aug 2020 9:22

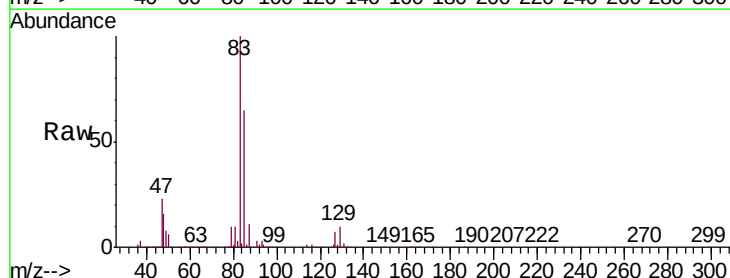
Tgt Ion: 83 Resp: 2397442

Ion Ratio Lower Upper

83 100

85 65.4 52.2 78.4

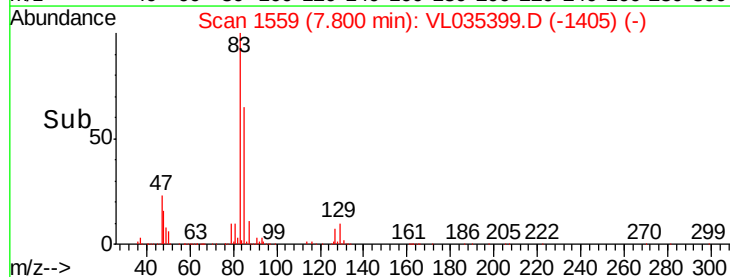
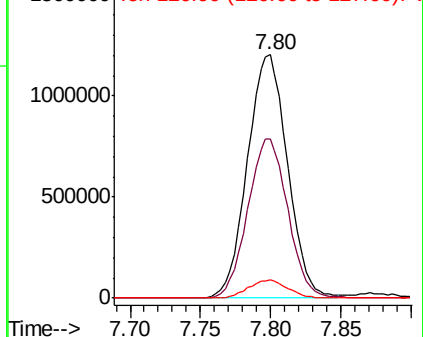
127 7.3 6.3 9.5

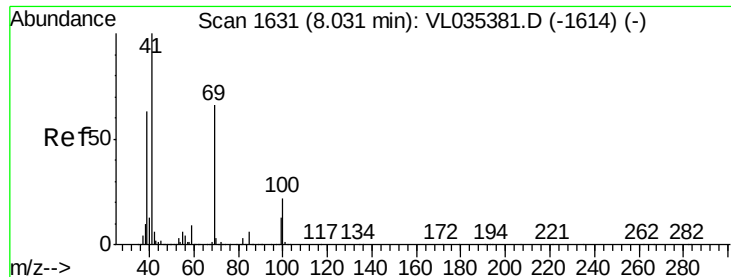


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

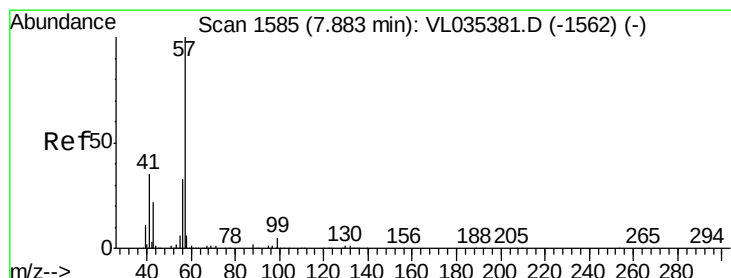
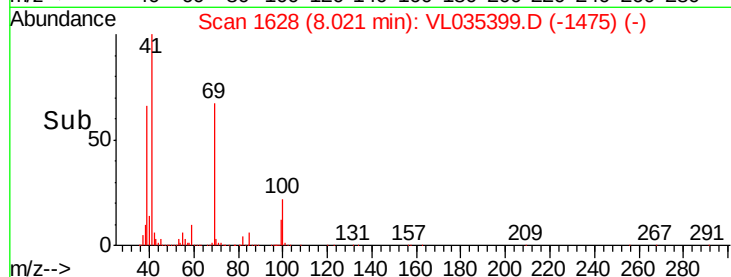
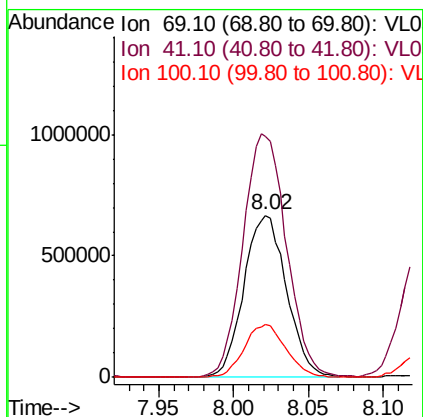
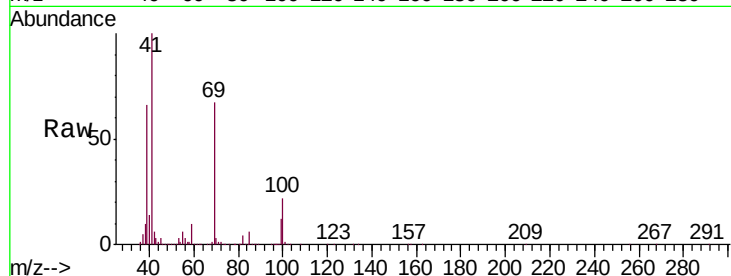




#43
Methyl Methacrylate
Concen: 9.182 ppbv
RT: 8.02 min Scan# 1628
Delta R.T. -0.01 min
Lab File: VL035399.D
Acq: 13 Aug 2020 9:22

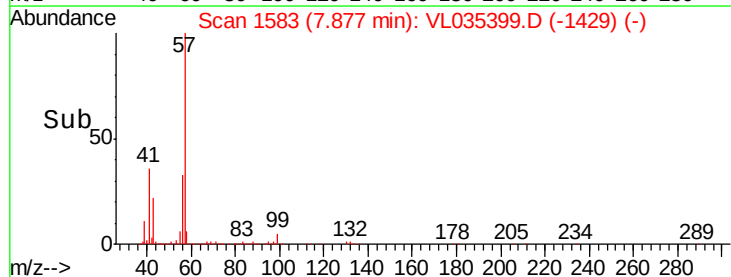
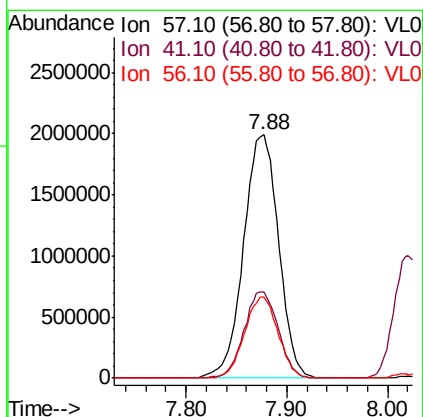
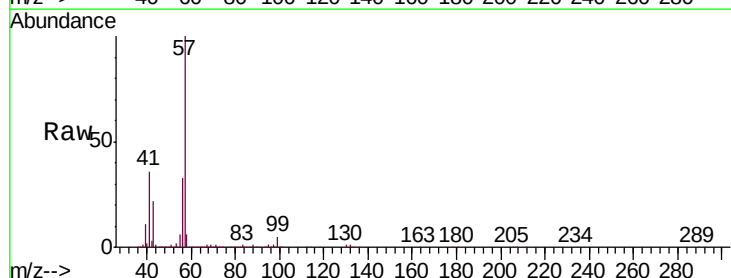
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

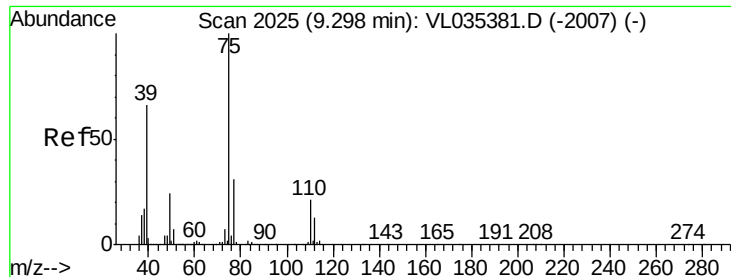
Tgt Ion: 69 Resp: 1324259
Ion Ratio Lower Upper
69 100
41 153.2 123.4 185.2
100 31.9 26.7 40.1



#44
2,2,4-Trimethylpentane
Concen: 8.562 ppbv
RT: 7.88 min Scan# 1583
Delta R.T. -0.01 min
Lab File: VL035399.D
Acq: 13 Aug 2020 9:22

Tgt Ion: 57 Resp: 4788383
Ion Ratio Lower Upper
57 100
41 34.5 26.9 40.3
56 31.9 25.6 38.4

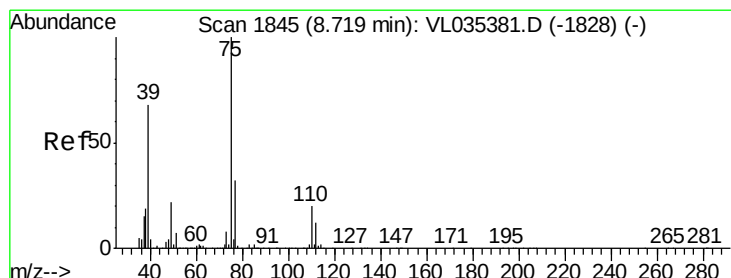
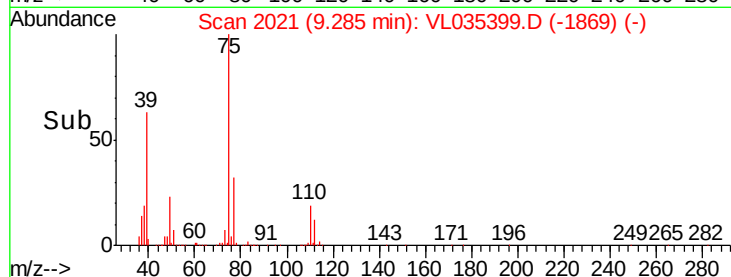
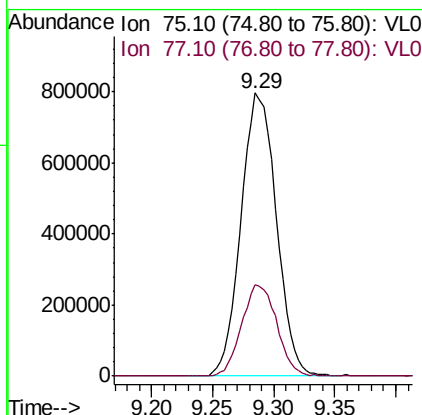
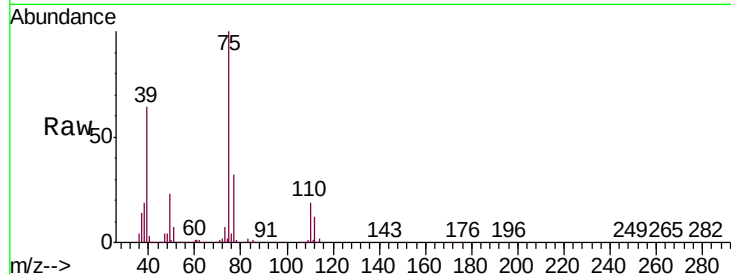




#45
t-1,3-Dichloropropene
Concen: 9.519 ppbv
RT: 9.29 min Scan# 2021
Delta R.T. -0.01 min
Lab File: VL035399.D
Acq: 13 Aug 2020 9:22

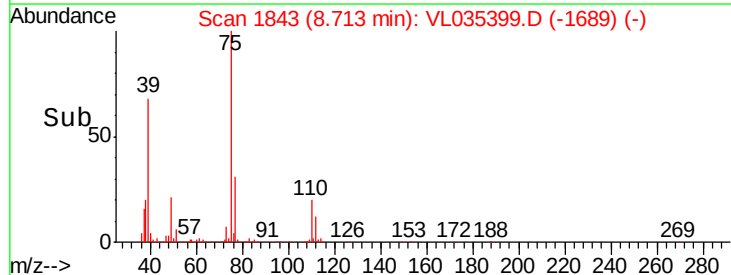
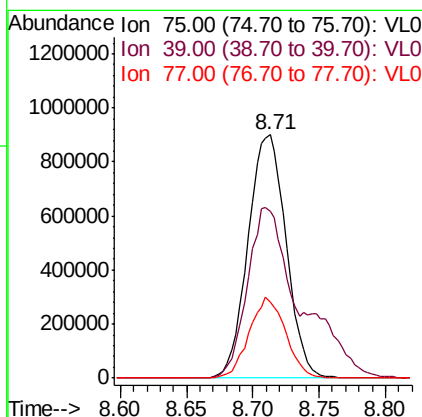
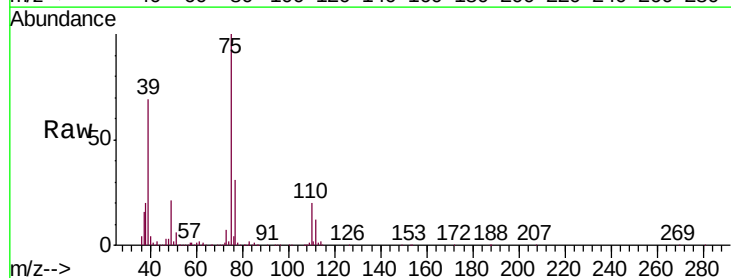
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

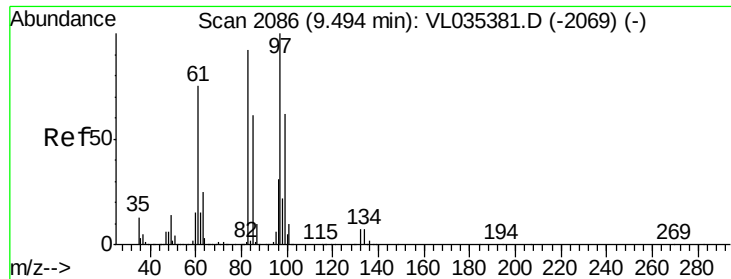
Tgt Ion: 75 Resp: 1592931
Ion Ratio Lower Upper
75 100
77 32.1 25.2 37.8



#46
cis-1,3-Dichloropropene
Concen: 9.222 ppbv
RT: 8.71 min Scan# 1843
Delta R.T. -0.01 min
Lab File: VL035399.D
Acq: 13 Aug 2020 9:22

Tgt Ion: 75 Resp: 1802449
Ion Ratio Lower Upper
75 100
39 68.4 54.2 81.2
77 31.0 25.7 38.5

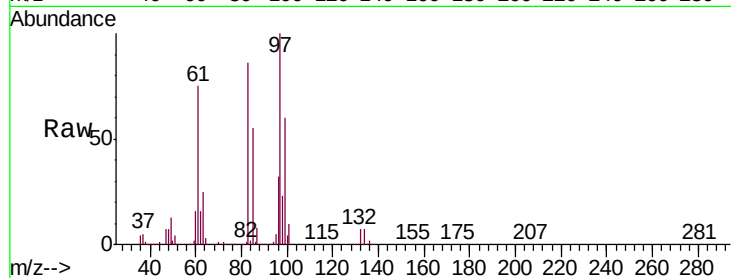




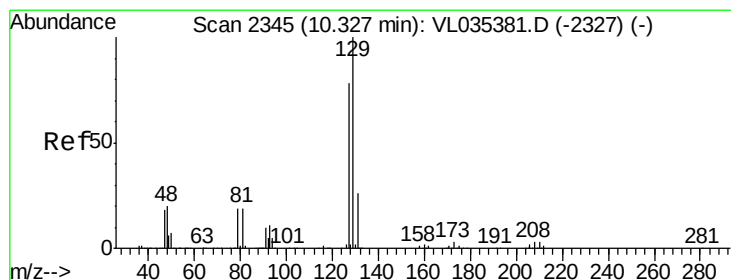
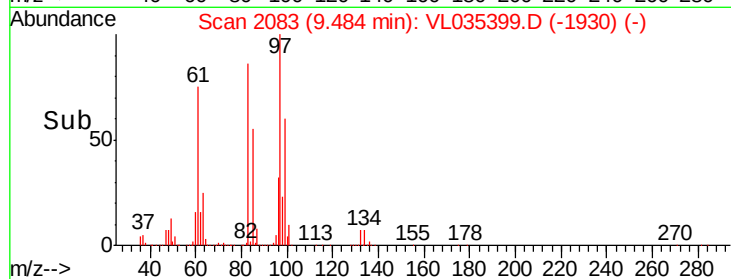
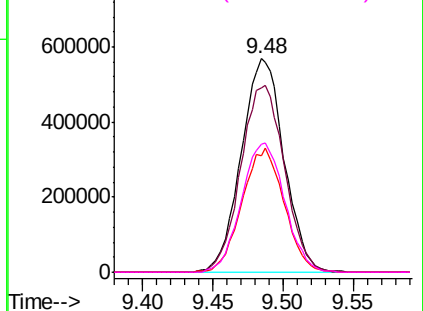
#47
 1,1,2-Trichloroethane
 Concen: 9.246 ppbv
 RT: 9.48 min Scan# 2083
 Delta R.T. -0.01 min
 Lab File: VL035399.D
 Acq: 13 Aug 2020 9:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 97 Resp: 1207232
 Ion Ratio Lower Upper
 97 100
 83 86.0 73.9 110.9
 85 54.6 49.0 73.6
 99 60.1 49.9 74.9

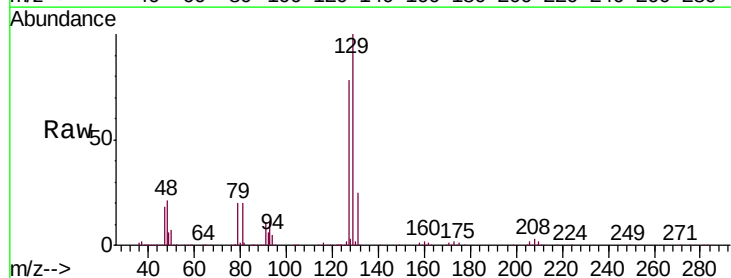


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

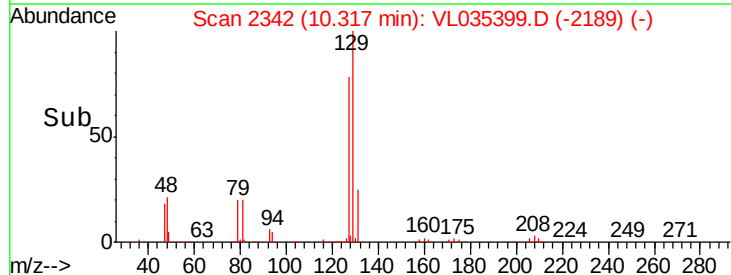
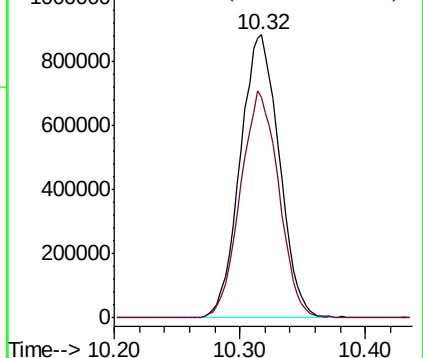


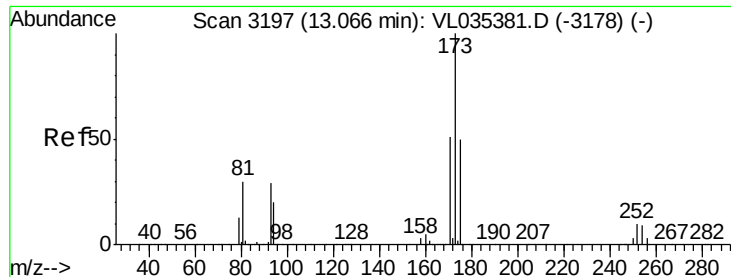
#48
 Dibromochloromethane
 Concen: 9.143 ppbv
 RT: 10.32 min Scan# 2342
 Delta R.T. -0.01 min
 Lab File: VL035399.D
 Acq: 13 Aug 2020 9:22

Tgt Ion: 129 Resp: 1908085
 Ion Ratio Lower Upper
 129 100
 127 78.7 39.3 117.8



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





#49

Bromoform

Concen: 9.269 ppbv

RT: 13.06 min Scan# 3194

Delta R.T. -0.01 min

Lab File: VL035399.D

Acq: 13 Aug 2020 9:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

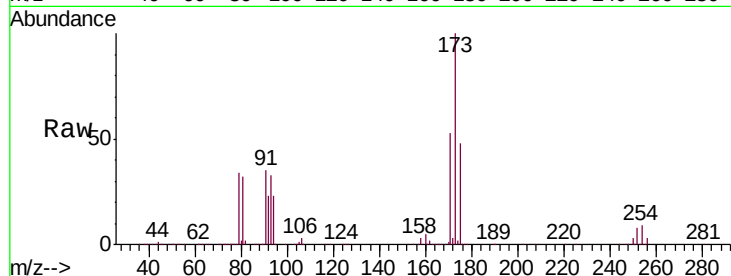
Tgt Ion:173 Resp: 1585715

Ion Ratio Lower Upper

173 100

175 49.1 39.9 59.9

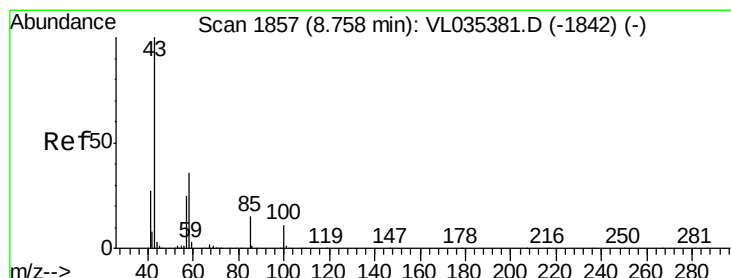
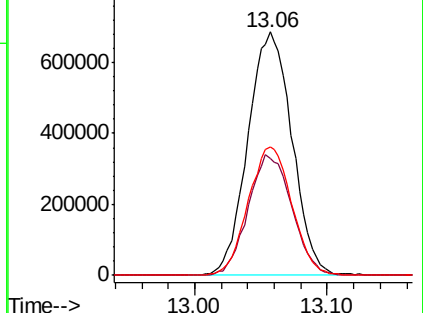
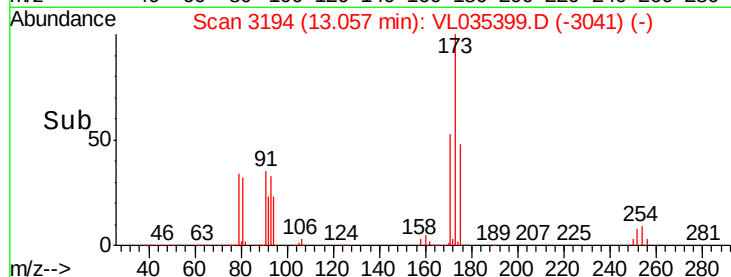
171 52.5 41.8 62.8



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: 8.741 ppbv

RT: 8.75 min Scan# 1855

Delta R.T. -0.01 min

Lab File: VL035399.D

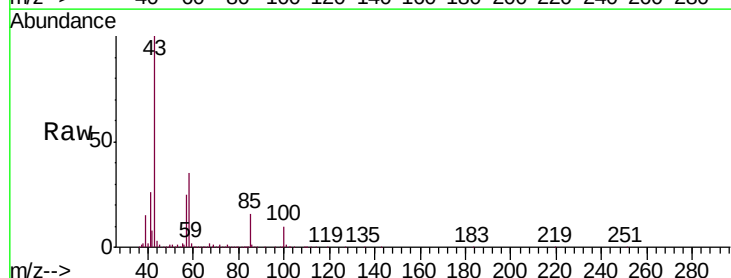
Acq: 13 Aug 2020 9:22

Tgt Ion: 43 Resp: 3182674

Ion Ratio Lower Upper

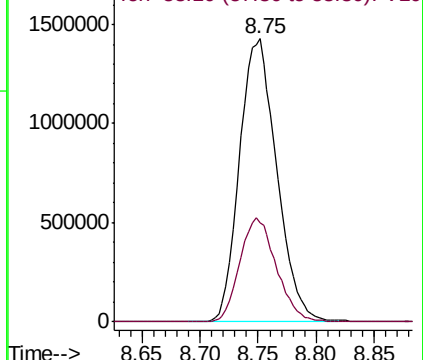
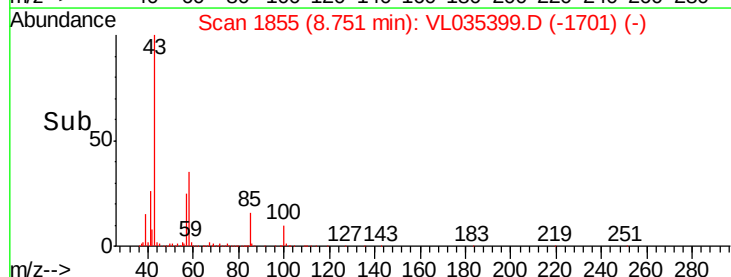
43 100

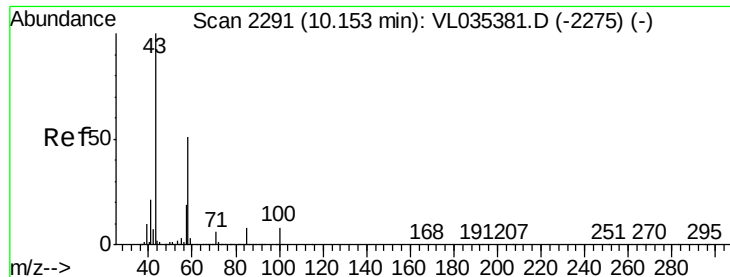
58 36.2 29.0 43.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 8.894 ppbv

RT: 10.14 min Scan# 2288

Delta R.T. -0.01 min

Lab File: VL035399.D

Acq: 13 Aug 2020 9:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

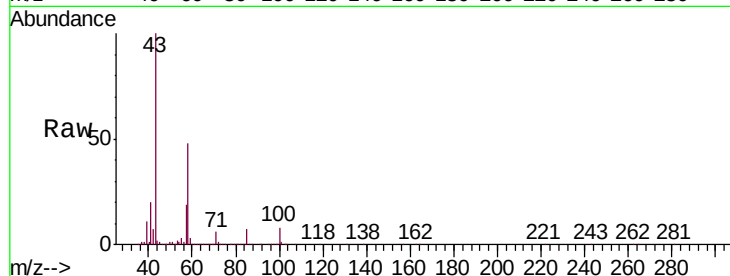
Tgt Ion: 43 Resp: 2726530

Ion Ratio Lower Upper

43 100

58 48.7 39.5 59.3

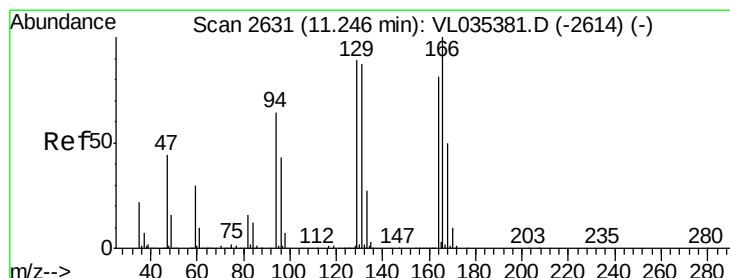
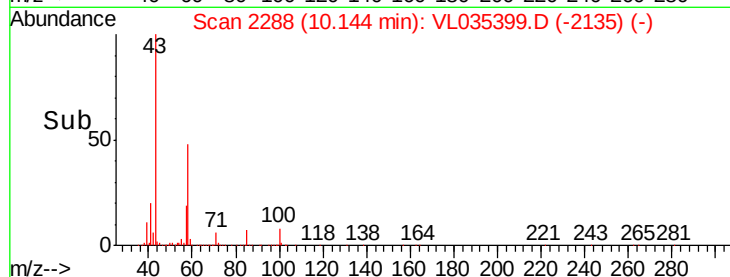
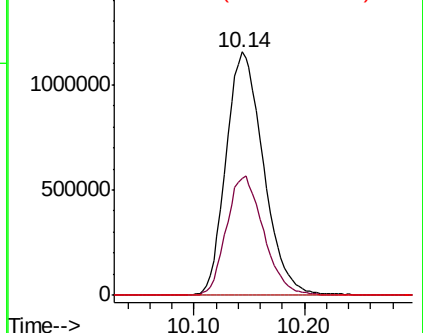
98 0.2 0.1 0.1#



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: 7.890 ppbv

RT: 11.23 min Scan# 2627

Delta R.T. -0.01 min

Lab File: VL035399.D

Acq: 13 Aug 2020 9:22

Tgt Ion: 164 Resp: 909528

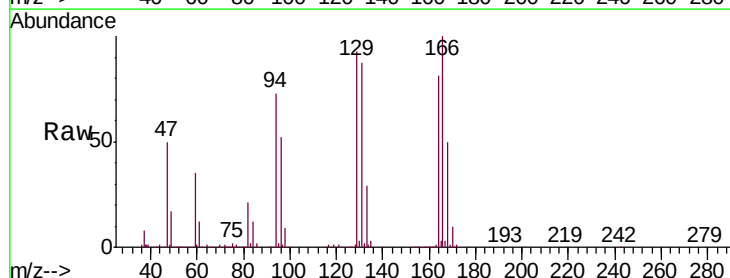
Ion Ratio Lower Upper

164 100

166 123.4 98.2 147.2

129 115.1 87.3 130.9

131 107.0 85.7 128.5

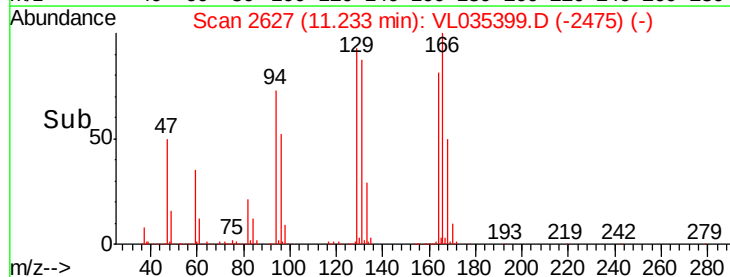
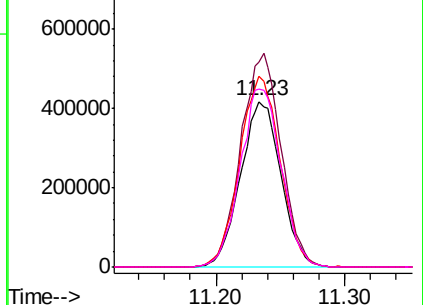


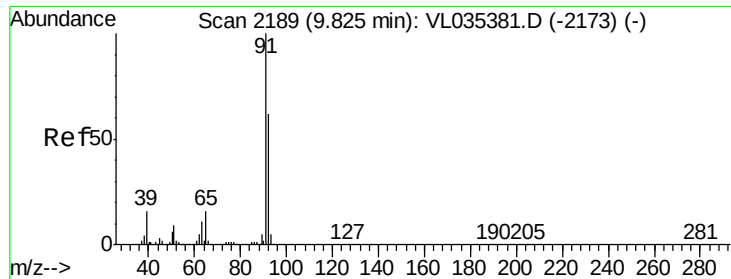
Abundance Ion 163.90 (163.60 to 164.60): V

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: 8.749 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. -0.01 min

Lab File: VL035399.D

Acq: 13 Aug 2020 9:22

Instrument :

MSVOA_L

ClientSampleId :

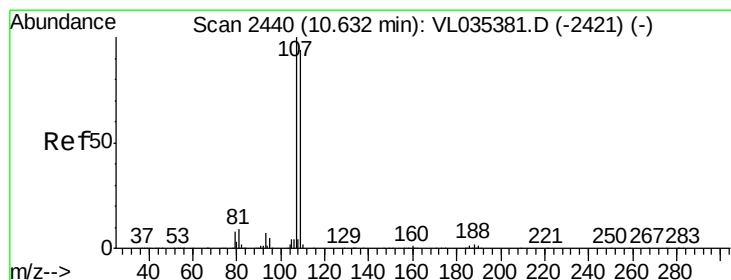
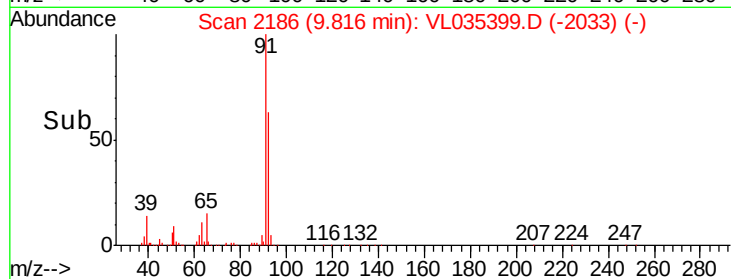
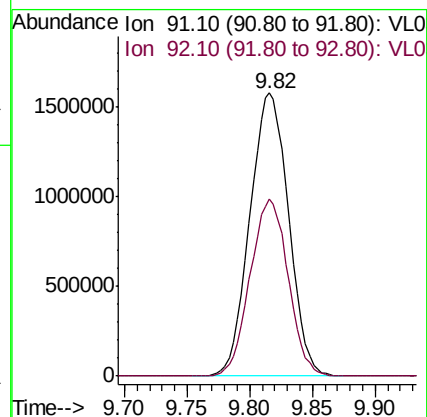
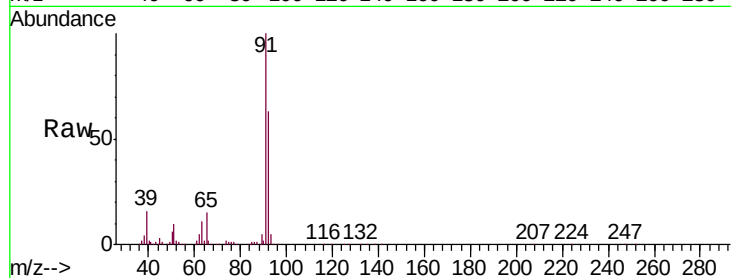
VSTDCCC010

Tgt Ion: 91 Resp: 3376181

Ion Ratio Lower Upper

91 100

92 61.7 49.1 73.7



#54

1,2-Dibromoethane

Concen: 8.906 ppbv

RT: 10.62 min Scan# 2437

Delta R.T. -0.01 min

Lab File: VL035399.D

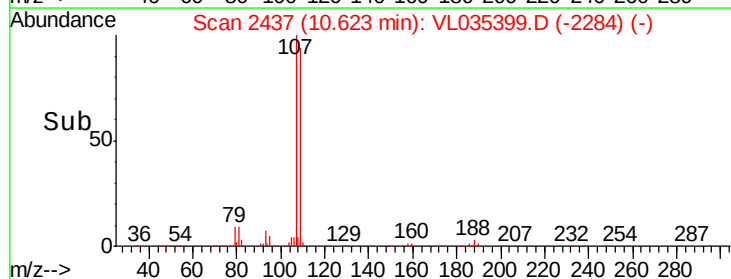
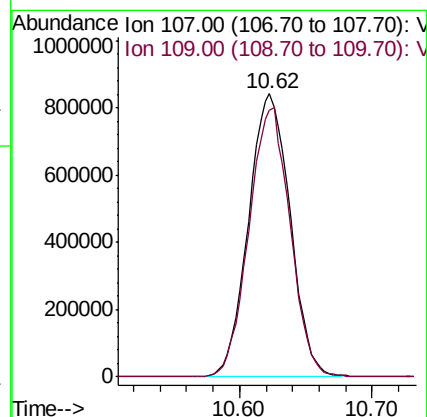
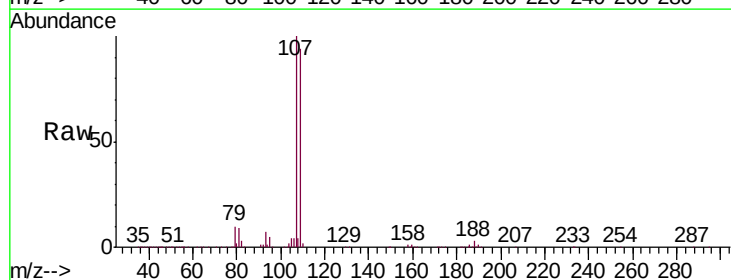
Acq: 13 Aug 2020 9:22

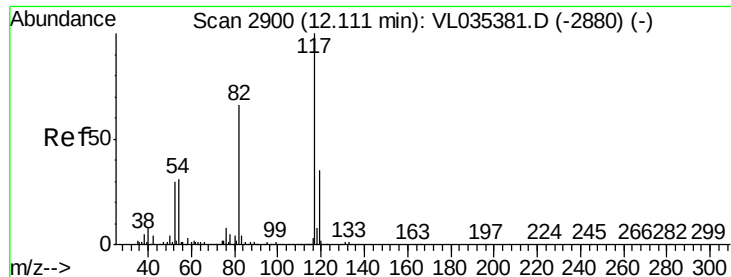
Tgt Ion: 107 Resp: 1841581

Ion Ratio Lower Upper

107 100

109 94.3 75.2 112.8

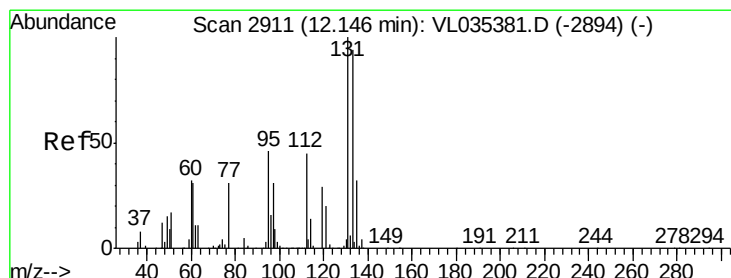
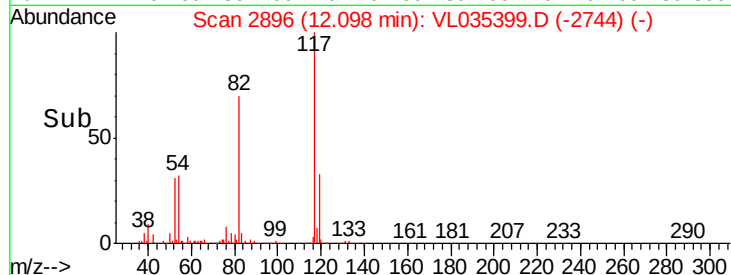
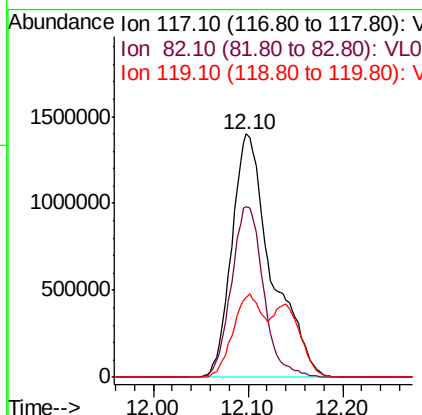
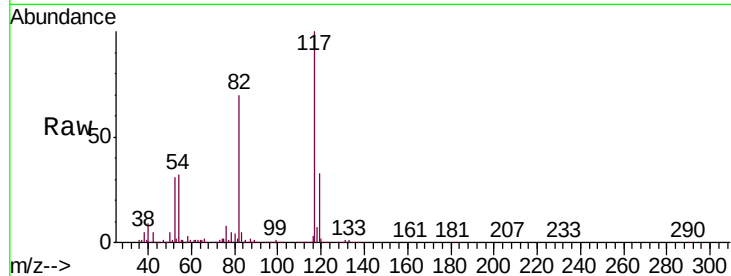




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2896
Delta R.T. -0.01 min
Lab File: VL035399.D
Acq: 13 Aug 2020 9:22

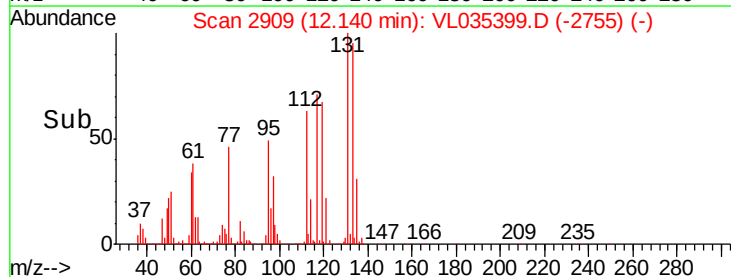
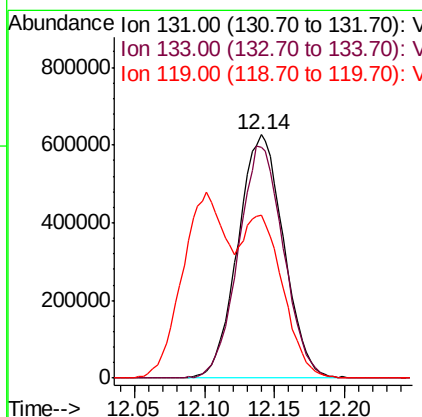
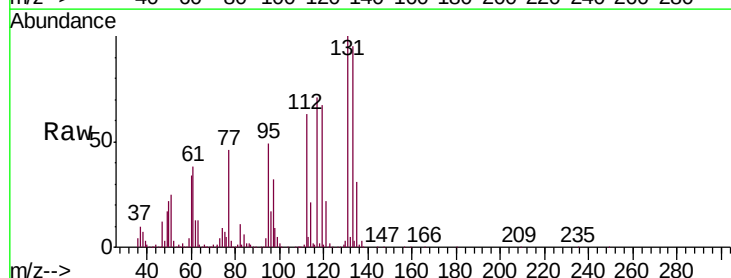
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

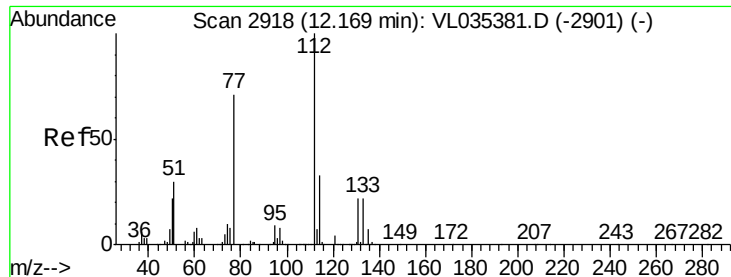
Tgt Ion:117 Resp: 4083680
Ion Ratio Lower Upper
117 100
82 57.0 53.0 79.6
119 26.1 25.7 38.5



#56
1,1,1,2-Tetrachloroethane
Concen: 7.154 ppbv
RT: 12.14 min Scan# 2909
Delta R.T. -0.01 min
Lab File: VL035399.D
Acq: 13 Aug 2020 9:22

Tgt Ion:131 Resp: 1419508
Ion Ratio Lower Upper
131 100
133 94.7 76.1 114.1
119 52.0 47.0 70.4





#57

Chlorobenzene

Concen: 6.983 ppbv

RT: 12.16 min Scan# 2916

Delta R.T. -0.01 min

Lab File: VL035399.D

Acq: 13 Aug 2020 9:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

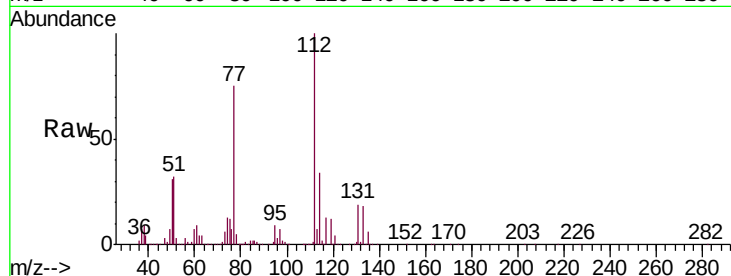
Tgt Ion: 112 Resp: 2430846

Ion Ratio Lower Upper

112 100

77 74.9 57.6 86.4

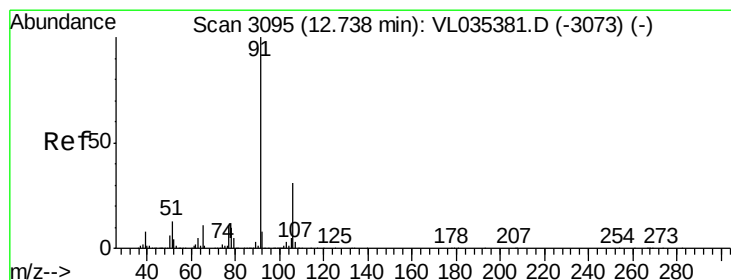
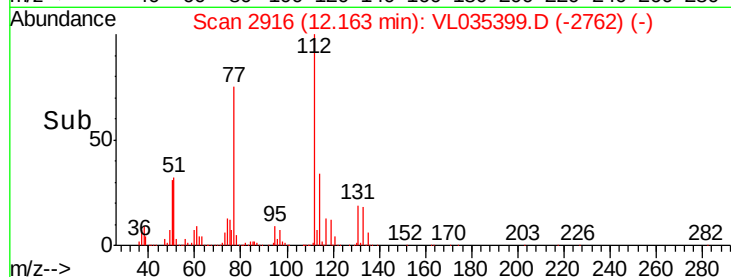
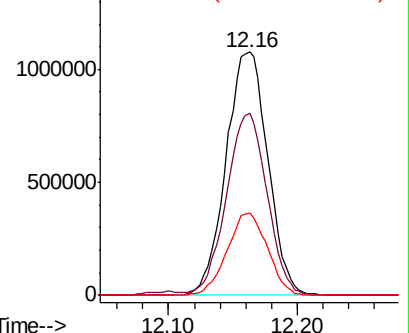
114 33.8 30.0 36.6



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: 7.073 ppbv

RT: 12.73 min Scan# 3091

Delta R.T. -0.01 min

Lab File: VL035399.D

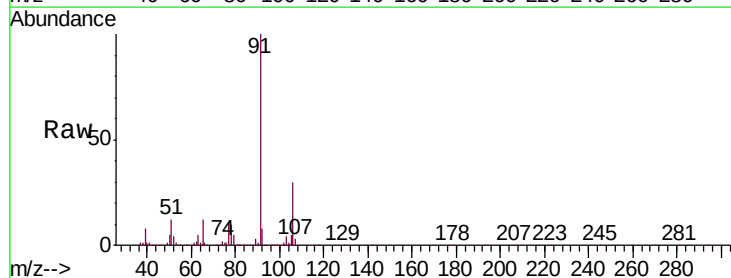
Acq: 13 Aug 2020 9:22

Tgt Ion: 91 Resp: 4565235

Ion Ratio Lower Upper

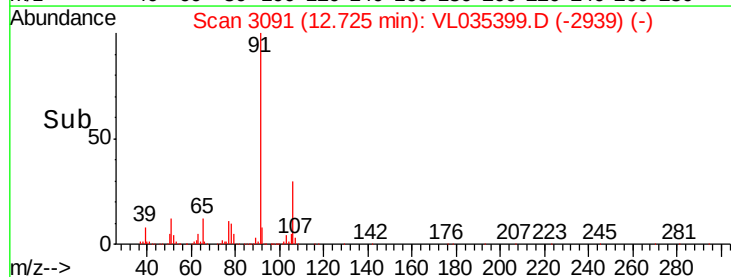
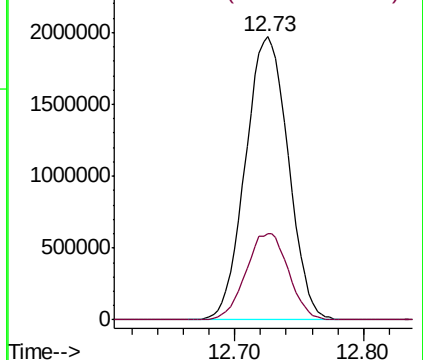
91 100

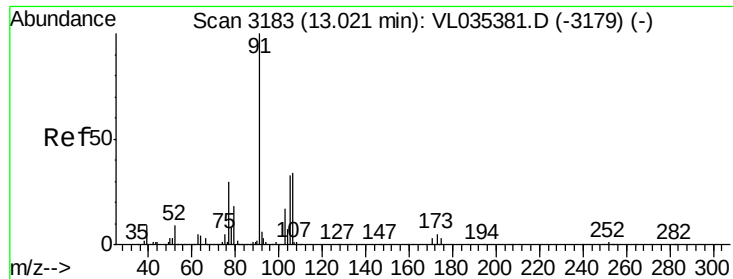
106 30.5 25.1 37.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 6.513 ppbv

RT: 13.01 min Scan# 3180

Delta R.T. -0.01 min

Lab File: VL035399.D

Acq: 13 Aug 2020 9:22

Instrument :

MSVOA_L

ClientSampleId :

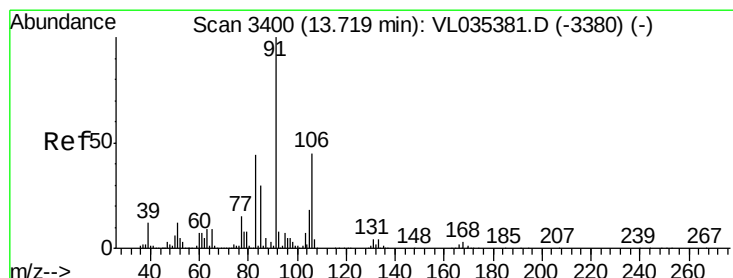
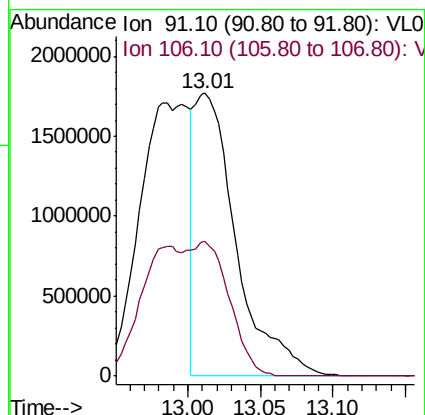
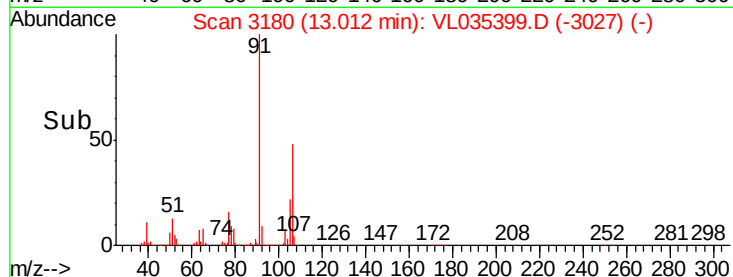
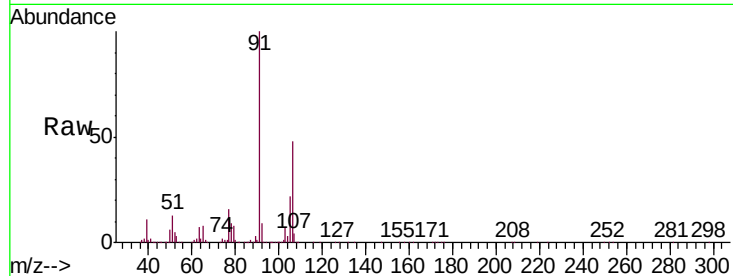
VSTDCCC010

Tgt Ion: 91 Resp: 3505469

Ion Ratio Lower Upper

91 100

106 95.0 36.7 55.1#



#60

o-Xylene

Concen: 6.932 ppbv

RT: 13.71 min Scan# 3397

Delta R.T. -0.01 min

Lab File: VL035399.D

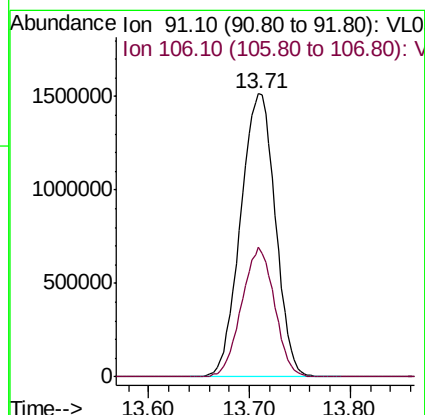
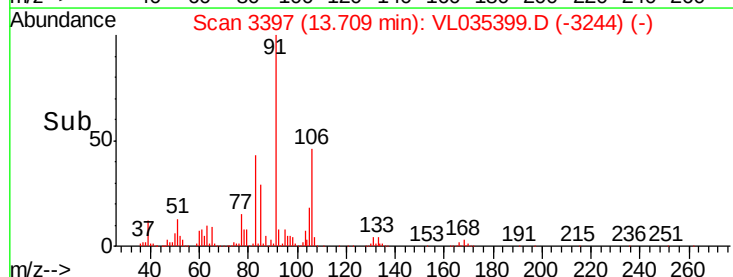
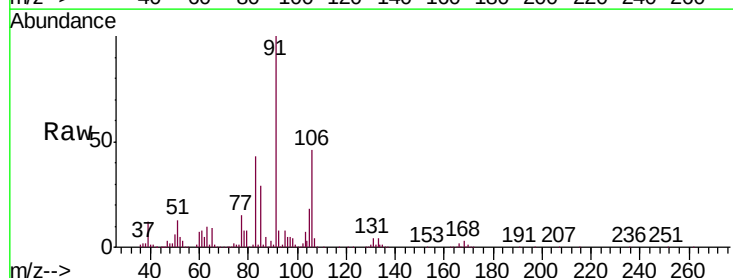
Acq: 13 Aug 2020 9:22

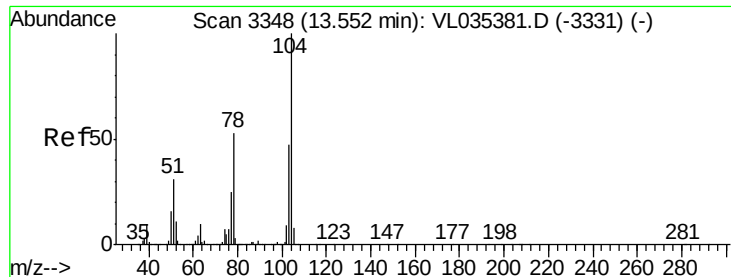
Tgt Ion: 91 Resp: 3612798

Ion Ratio Lower Upper

91 100

106 43.4 22.2 66.6





#61

Styrene

Concen: 7.155 ppbv

RT: 13.55 min Scan# 3346

Delta R.T. -0.01 min

Lab File: VL035399.D

Acq: 13 Aug 2020 9:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

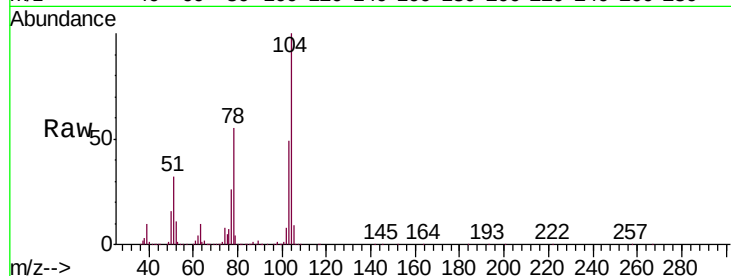
Tgt Ion:104 Resp: 2753062

Ion Ratio Lower Upper

104 100

78 55.0 43.0 64.4

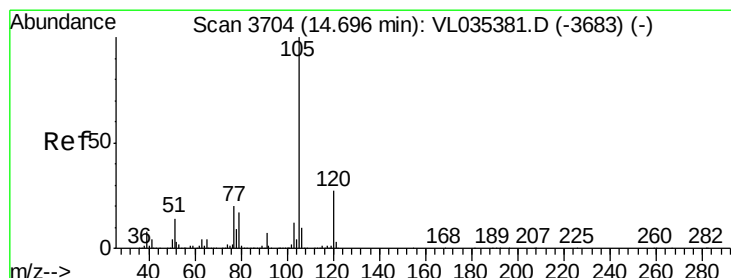
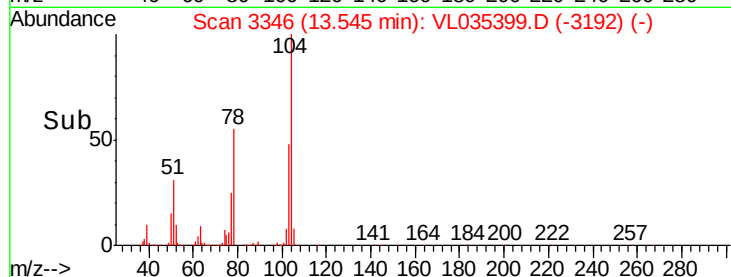
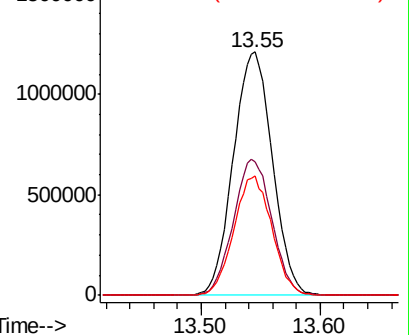
103 47.6 37.9 56.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 6.825 ppbv

RT: 14.69 min Scan# 3701

Delta R.T. -0.01 min

Lab File: VL035399.D

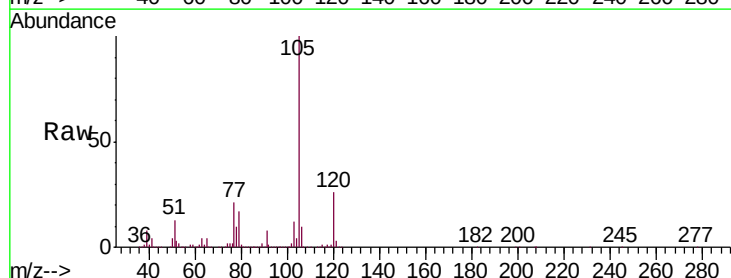
Acq: 13 Aug 2020 9:22

Tgt Ion:105 Resp: 5335901

Ion Ratio Lower Upper

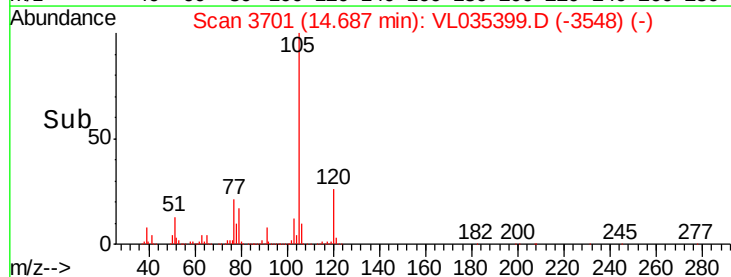
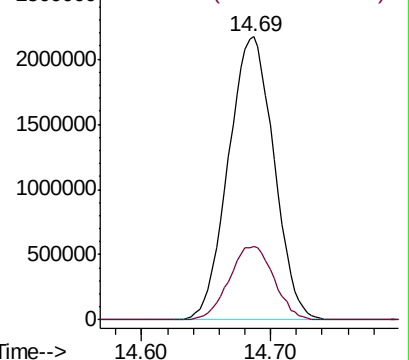
105 100

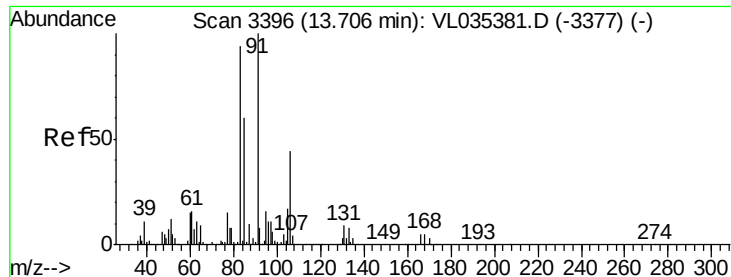
120 25.6 21.1 31.7



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: 6.709 ppbv

RT: 13.69 min Scan# 3392

Delta R.T. -0.01 min

Lab File: VL035399.D

Acq: 13 Aug 2020 9:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

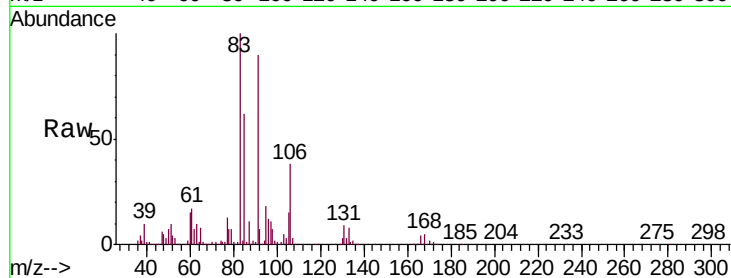
Tgt Ion: 83 Resp: 2550409

Ion Ratio Lower Upper

83 100

131 8.9 4.5 13.7

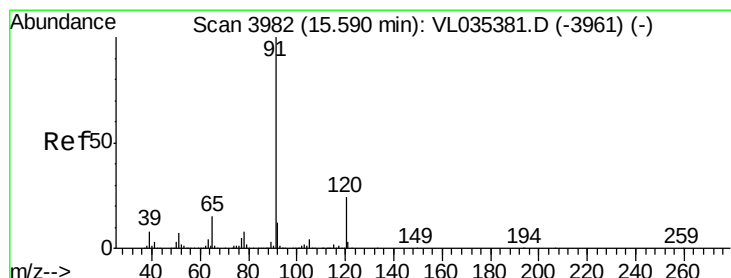
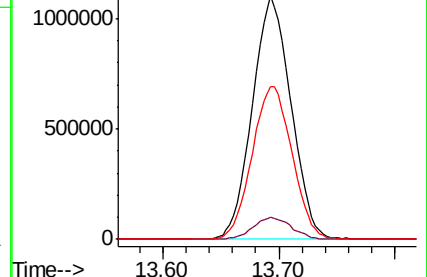
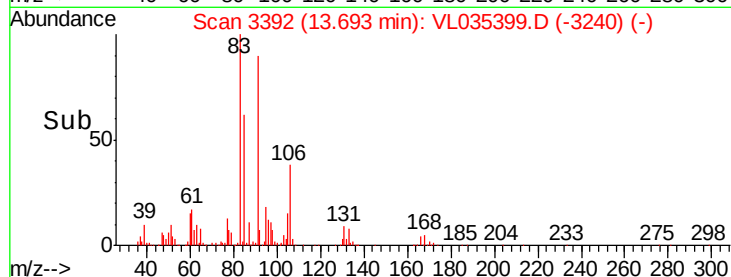
85 65.1 32.4 97.0



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 6.883 ppbv

RT: 15.58 min Scan# 3979

Delta R.T. -0.01 min

Lab File: VL035399.D

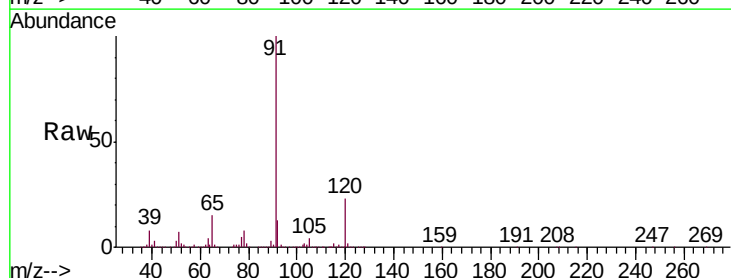
Acq: 13 Aug 2020 9:22

Tgt Ion: 120 Resp: 1419587

Ion Ratio Lower Upper

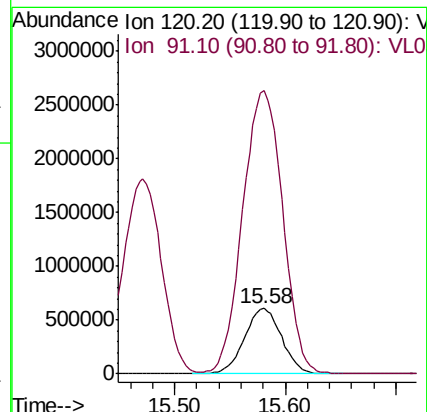
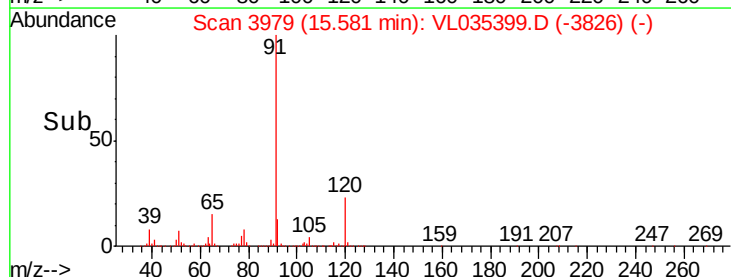
120 100

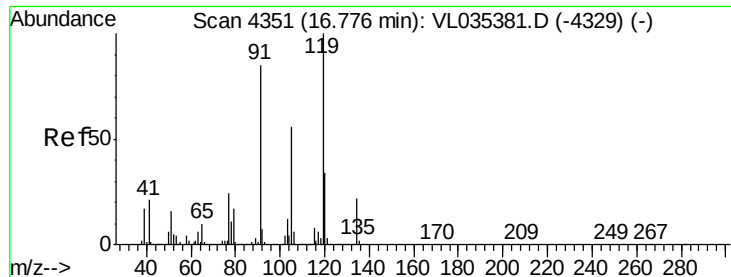
91 466.4 356.2 534.4



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

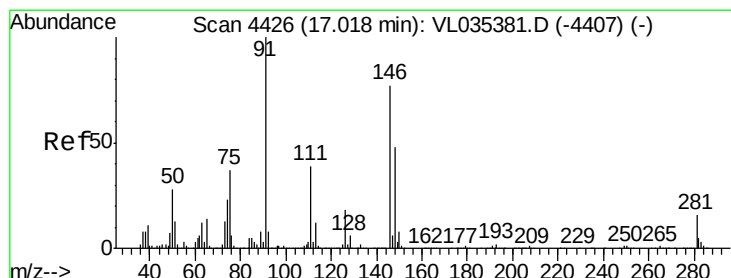
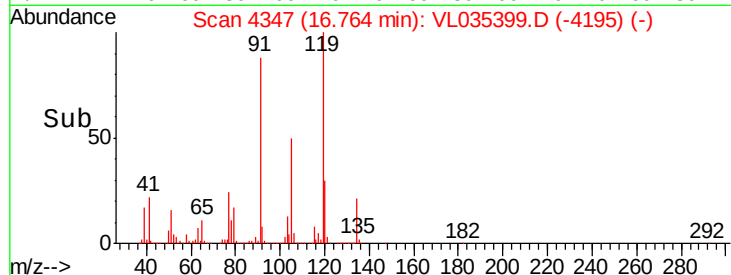
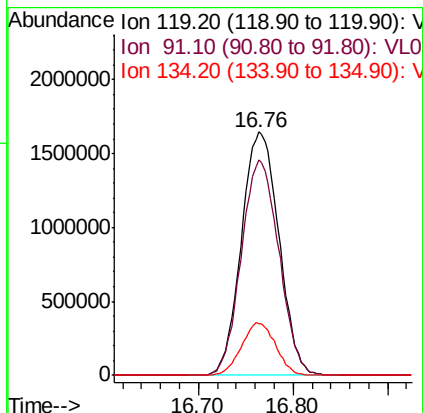
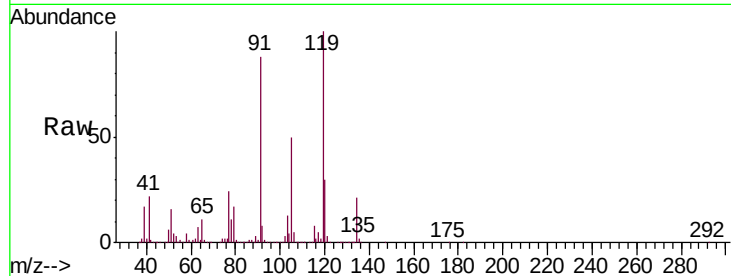




#65
 tert-Butylbenzene
 Concen: 6.583 ppbv
 RT: 16.76 min Scan# 4347
 Delta R.T. -0.01 min
 Lab File: VL035399.D
 Acq: 13 Aug 2020 9:22

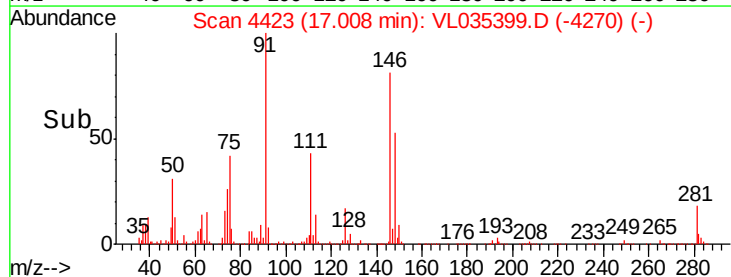
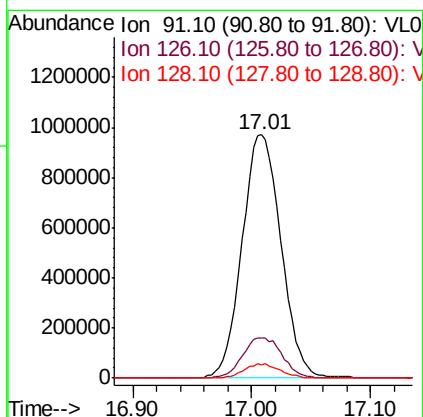
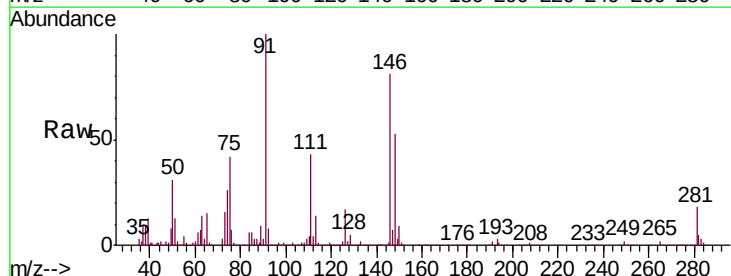
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

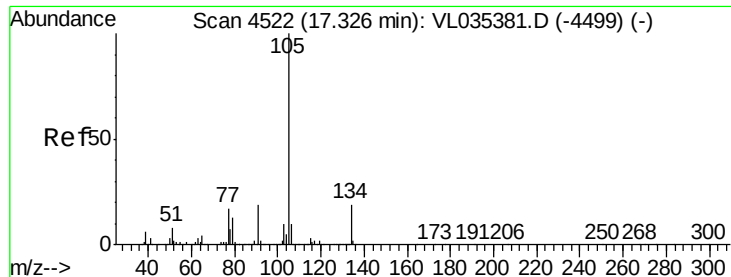
Tgt Ion: 119 Resp: 4530684
 Ion Ratio Lower Upper
 119 100
 91 88.7 68.2 102.4
 134 19.8 16.2 24.4



#66
 Benzyl Chloride
 Concen: 7.055 ppbv
 RT: 17.01 min Scan# 4423
 Delta R.T. -0.01 min
 Lab File: VL035399.D
 Acq: 13 Aug 2020 9:22

Tgt Ion: 91 Resp: 2192764
 Ion Ratio Lower Upper
 91 100
 126 17.0 14.4 21.6
 128 5.4 4.6 7.0

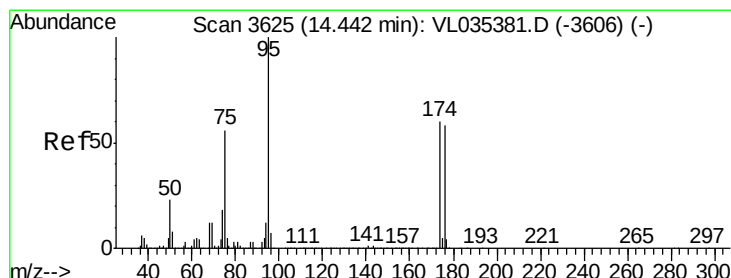
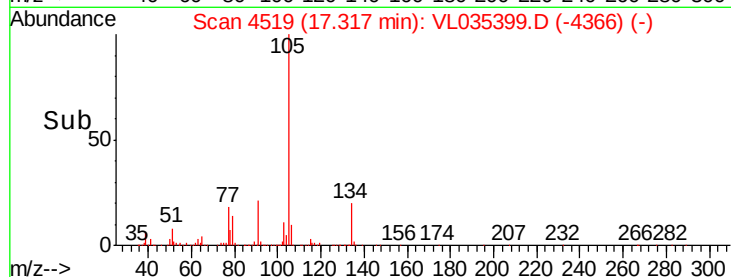
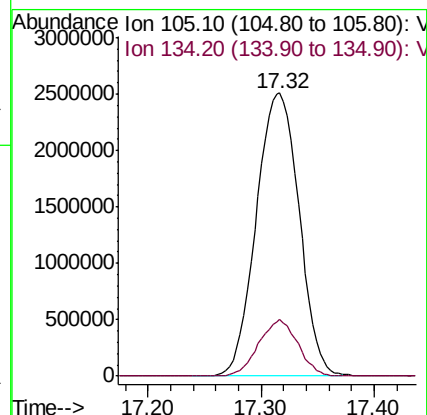
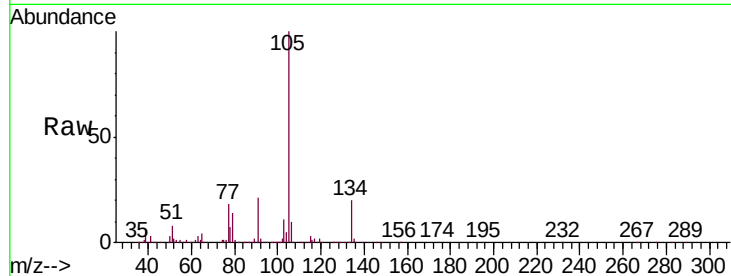




#67
 sec-Butylbenzene
 Concen: 6.637 ppbv
 RT: 17.32 min Scan# 4519
 Delta R.T. -0.01 min
 Lab File: VL035399.D
 Acq: 13 Aug 2020 9:22

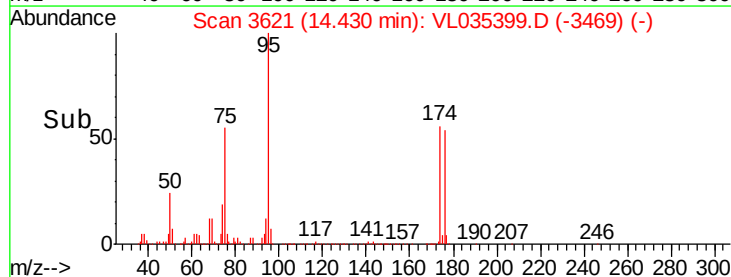
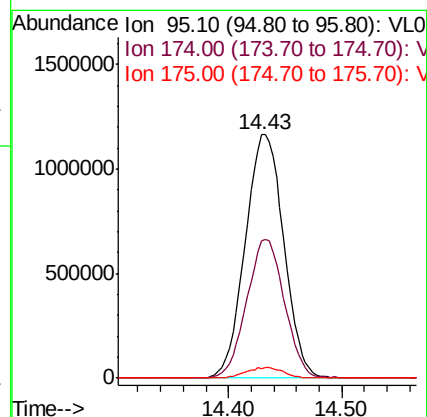
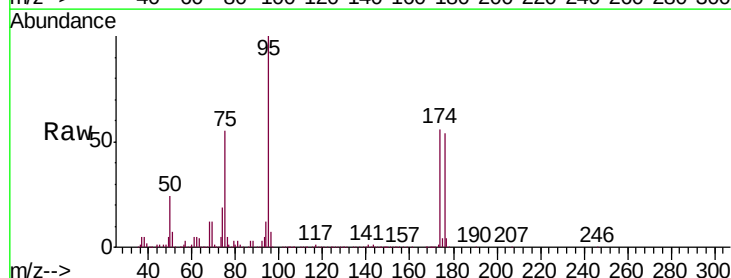
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

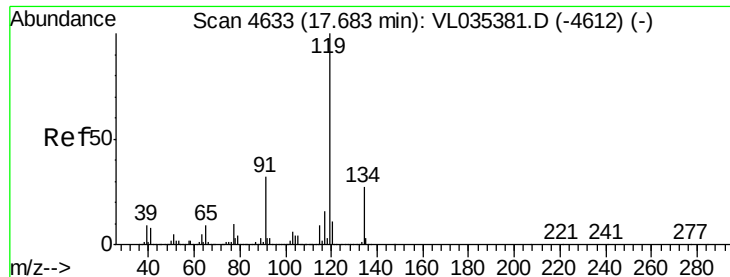
Tgt Ion: 105 Resp: 6584436
 Ion Ratio Lower Upper
 105 100
 134 18.2 15.0 22.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.362 ppbv
 RT: 14.43 min Scan# 3621
 Delta R.T. -0.01 min
 Lab File: VL035399.D
 Acq: 13 Aug 2020 9:22

Tgt Ion: 95 Resp: 2757292
 Ion Ratio Lower Upper
 95 100
 174 56.1 48.2 72.2
 175 4.2 3.7 5.5

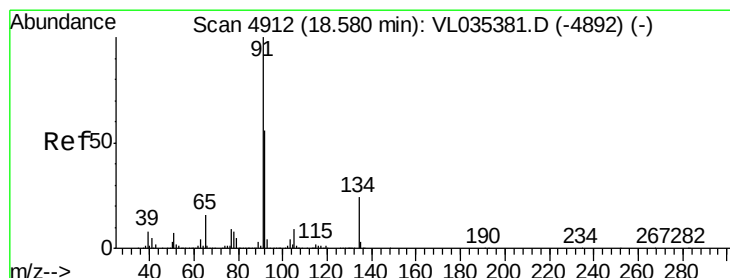
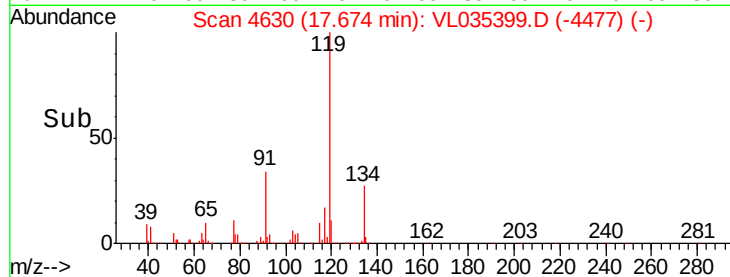
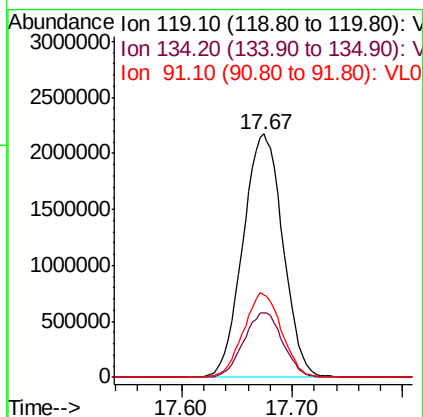
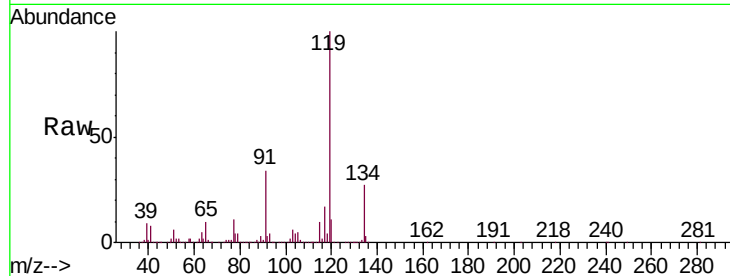




#69
 p-Isopropyltoluene
 Concen: 6.574 ppbv
 RT: 17.67 min Scan# 4630
 Delta R.T. -0.01 min
 Lab File: VL035399.D
 Acq: 13 Aug 2020 9:22

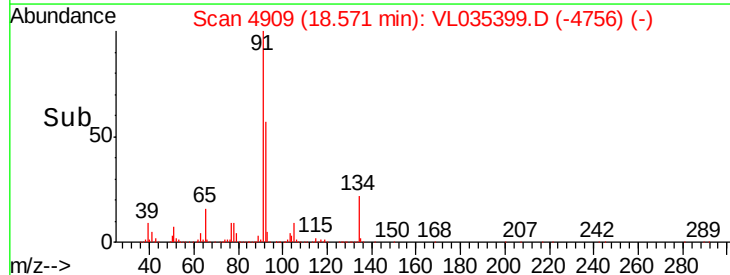
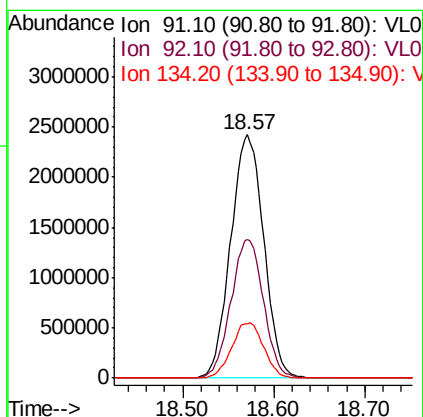
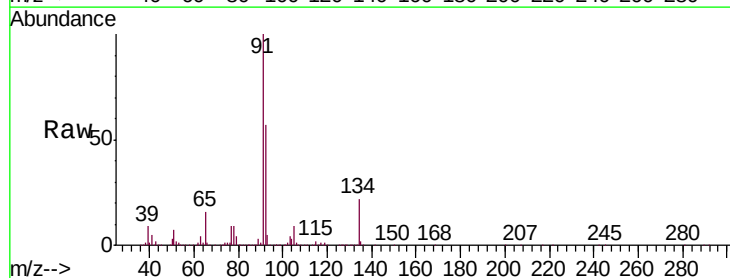
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

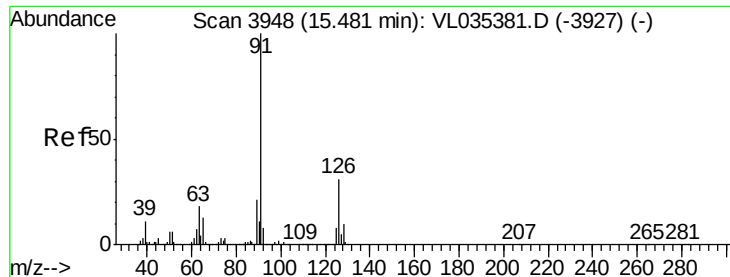
Tgt Ion: 119 Resp: 5436873
 Ion Ratio Lower Upper
 119 100
 134 26.0 20.9 31.3
 91 33.2 25.3 37.9



#70
 n-Butylbenzene
 Concen: 6.681 ppbv
 RT: 18.57 min Scan# 4909
 Delta R.T. -0.01 min
 Lab File: VL035399.D
 Acq: 13 Aug 2020 9:22

Tgt Ion: 91 Resp: 6116872
 Ion Ratio Lower Upper
 91 100
 92 55.9 45.0 67.6
 134 22.1 18.8 28.2





#71

2-Chlorotoluene

Concen: 6.985 ppbv

RT: 15.47 min Scan# 3945

Delta R.T. -0.01 min

Lab File: VL035399.D

Acq: 13 Aug 2020 9:22

Instrument :

MSVOA_L

ClientSampleId :

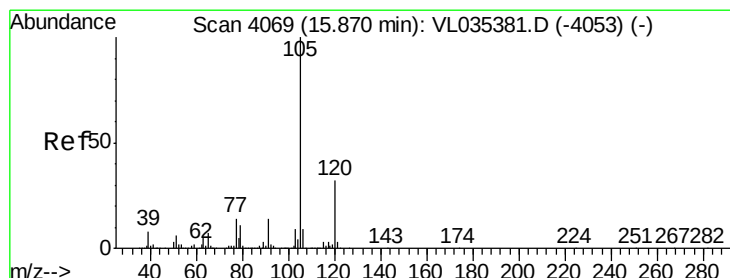
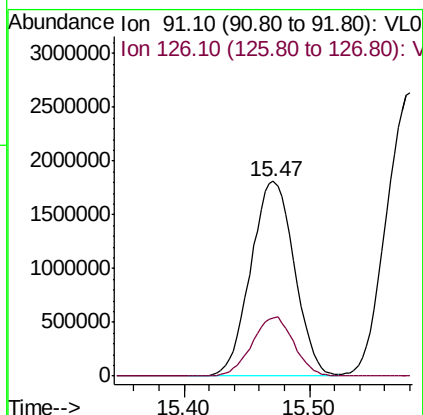
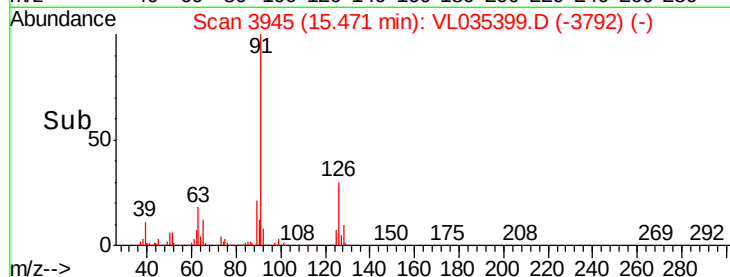
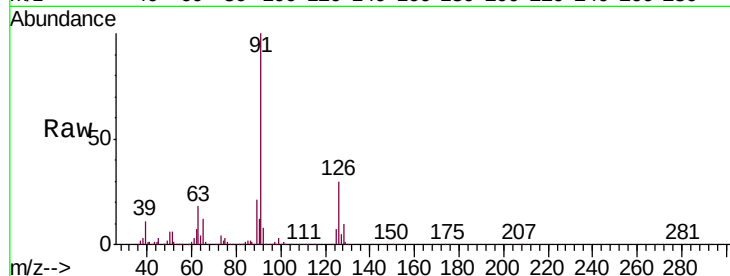
VSTDCCC010

Tgt Ion: 91 Resp: 4395611

Ion Ratio Lower Upper

91 100

126 29.0 12.1 48.3



#72

4-Ethyltoluene

Concen: 6.906 ppbv

RT: 15.86 min Scan# 4065

Delta R.T. -0.01 min

Lab File: VL035399.D

Acq: 13 Aug 2020 9:22

Tgt Ion: 105 Resp: 4393211

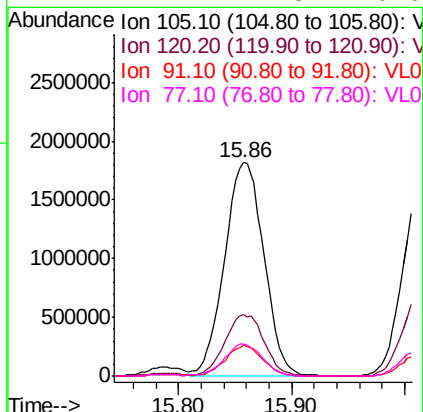
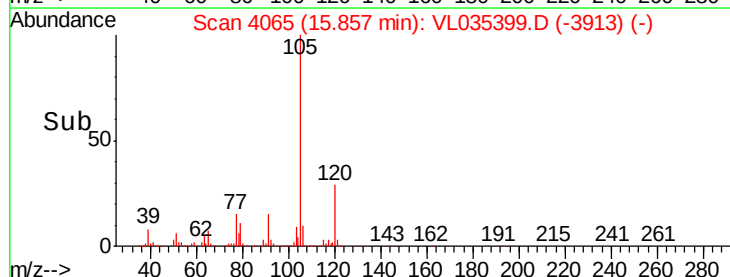
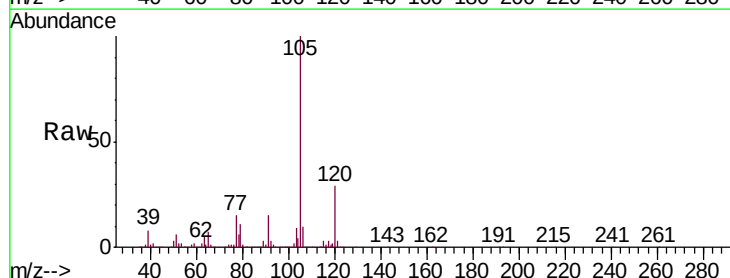
Ion Ratio Lower Upper

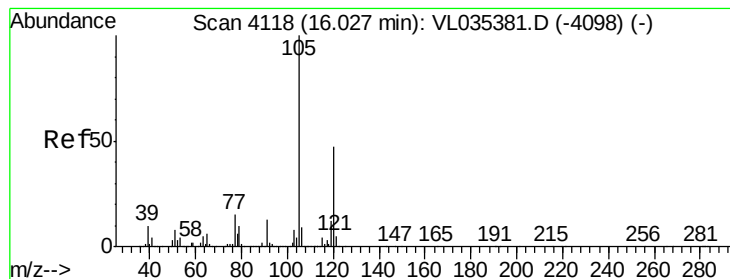
105 100

120 28.8 24.0 36.0

91 13.5 10.4 15.6

77 14.4 11.3 16.9





#73

1,3,5-Trimethylbenzene

Concen: 6.905 ppbv

RT: 16.01 min Scan# 4114

Delta R.T. -0.01 min

Lab File: VL035399.D

Acq: 13 Aug 2020 9:22

Instrument :

MSVOA_L

ClientSampleId :

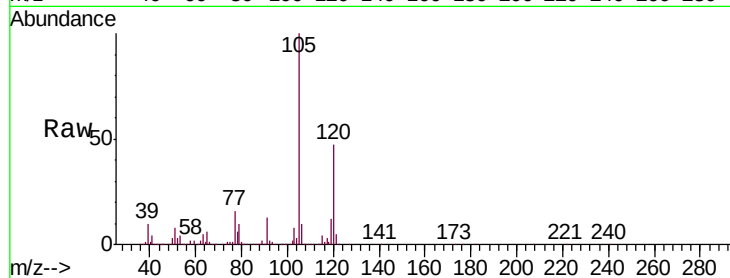
VSTDCCC010

Tgt Ion:105 Resp: 4118602

Ion Ratio Lower Upper

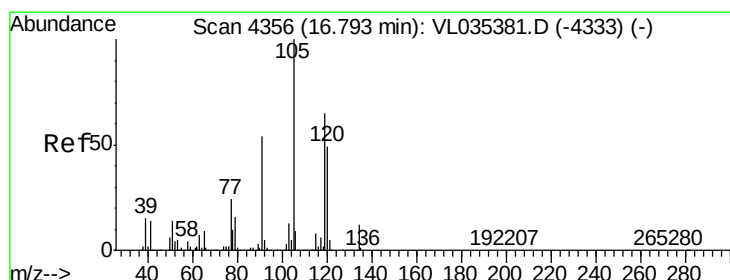
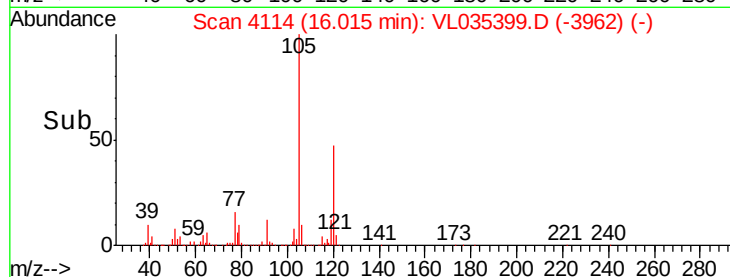
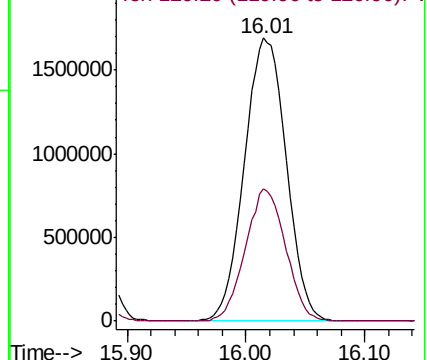
105 100

120 46.8 37.4 56.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 6.569 ppbv

RT: 16.78 min Scan# 4353

Delta R.T. -0.01 min

Lab File: VL035399.D

Acq: 13 Aug 2020 9:22

Tgt Ion:105 Resp: 4121231

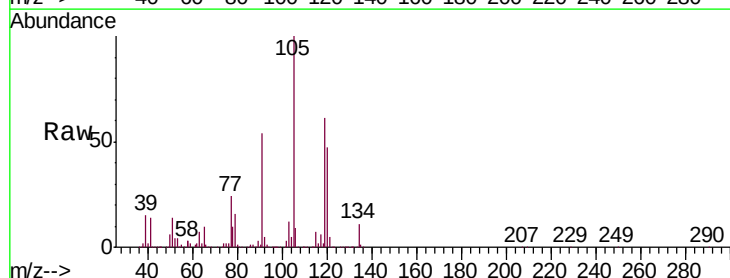
Ion Ratio Lower Upper

105 100

120 47.1 39.1 58.7

91 53.4 43.7 65.5

77 23.5 19.0 28.6

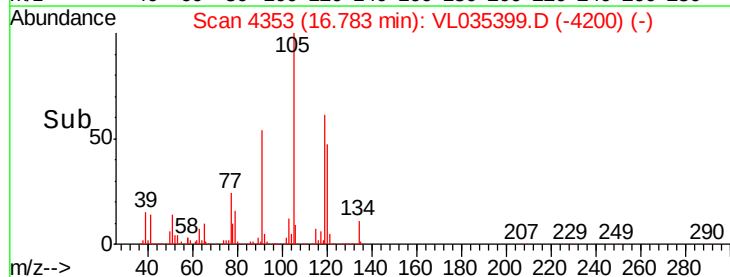
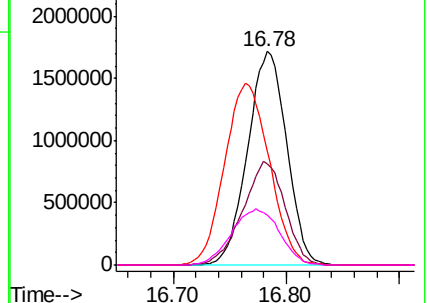


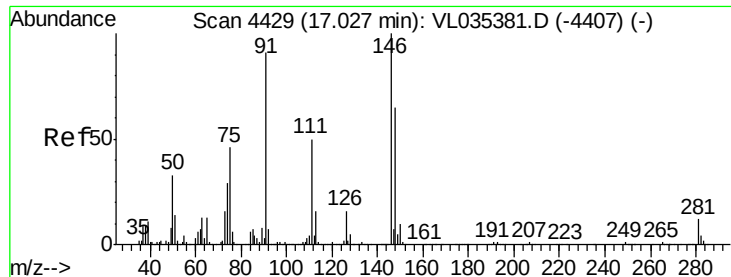
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

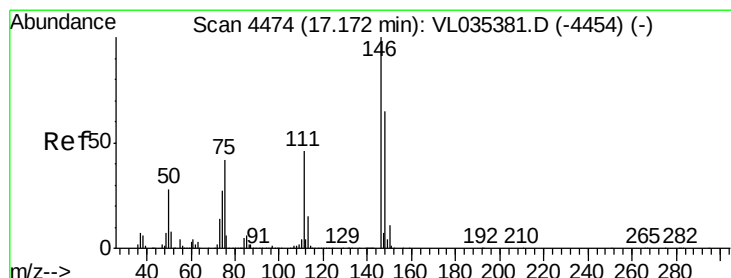
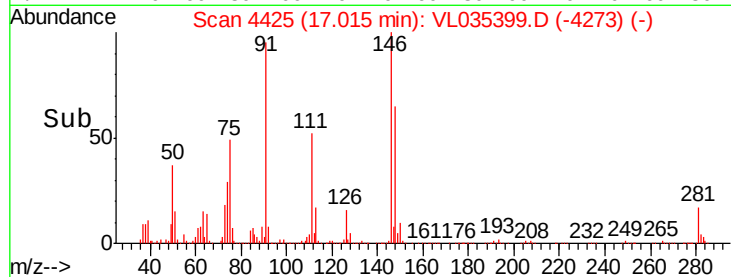
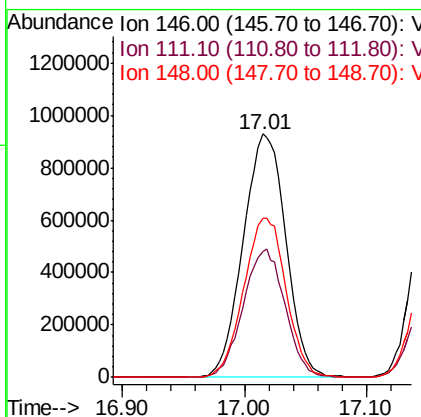
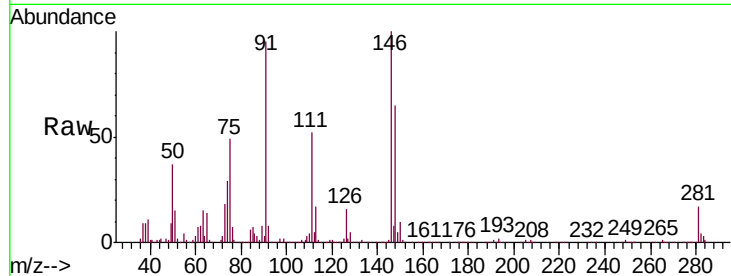




#75
 1,3-Dichlorobenzene
 Concen: 6.563 ppbv
 RT: 17.01 min Scan# 4425
 Delta R.T. -0.01 min
 Lab File: VL035399.D
 Acq: 13 Aug 2020 9:22

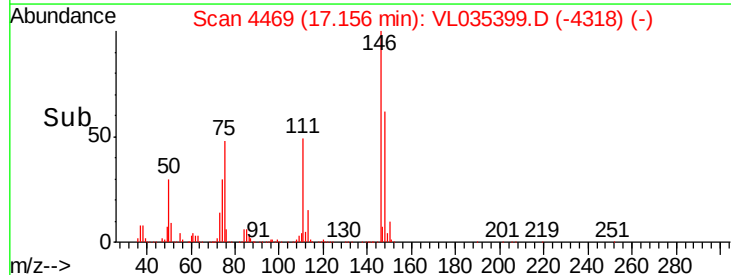
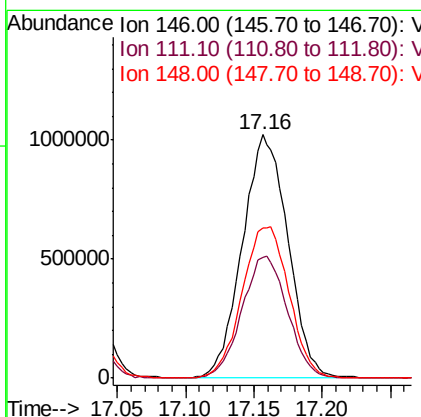
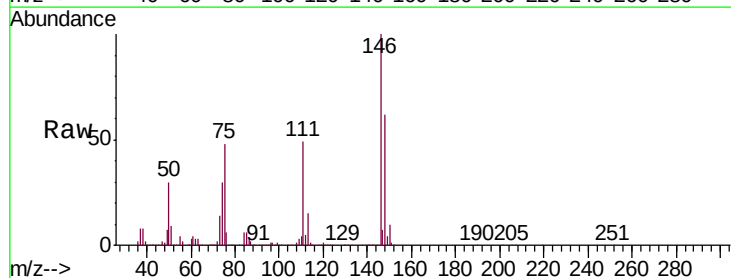
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

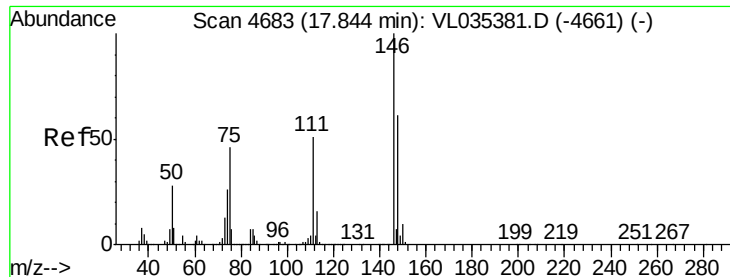
Tgt Ion:146 Resp: 2246730
 Ion Ratio Lower Upper
 146 100
 111 51.6 25.0 75.0
 148 64.9 32.6 97.7



#76
 1,4-Dichlorobenzene
 Concen: 6.691 ppbv
 RT: 17.16 min Scan# 4469
 Delta R.T. -0.02 min
 Lab File: VL035399.D
 Acq: 13 Aug 2020 9:22

Tgt Ion:146 Resp: 2352856
 Ion Ratio Lower Upper
 146 100
 111 50.4 24.0 72.0
 148 64.4 32.5 97.5





#77

1,2-Dichlorobenzene

Concen: 6.672 ppbv

RT: 17.84 min Scan# 4681

Delta R.T. -0.01 min

Lab File: VL035399.D

Acq: 13 Aug 2020 9:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

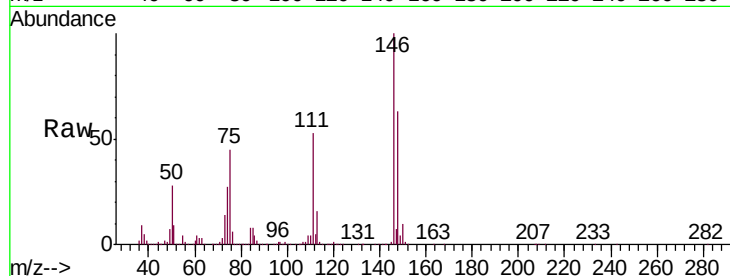
Tgt Ion:146 Resp: 2302937

Ion Ratio Lower Upper

146 100

111 52.8 25.9 77.8

148 64.4 32.1 96.3

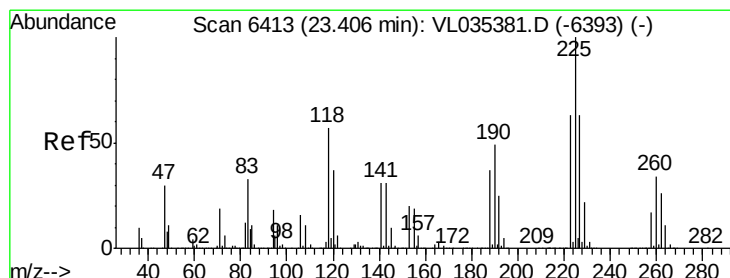
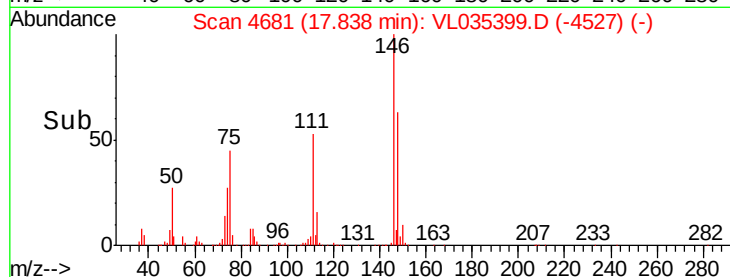
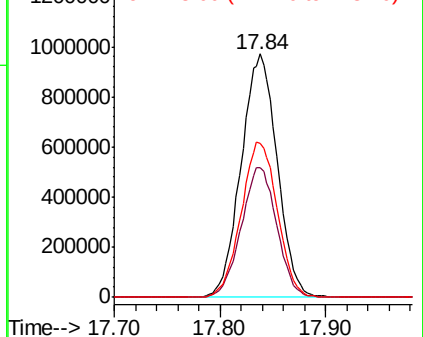


Abundance

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



#78

Hexachloro-1,3-Butadiene

Concen: 6.212 ppbv

RT: 23.40 min Scan# 6411

Delta R.T. -0.01 min

Lab File: VL035399.D

Acq: 13 Aug 2020 9:22

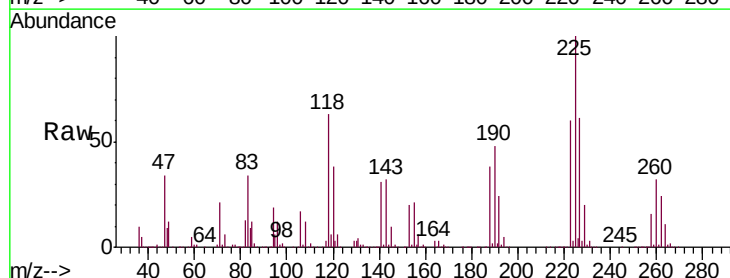
Tgt Ion:225 Resp: 1768137

Ion Ratio Lower Upper

225 100

223 63.4 51.0 76.6

227 63.7 51.0 76.6

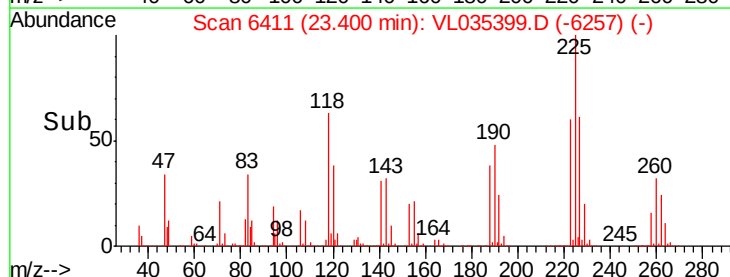
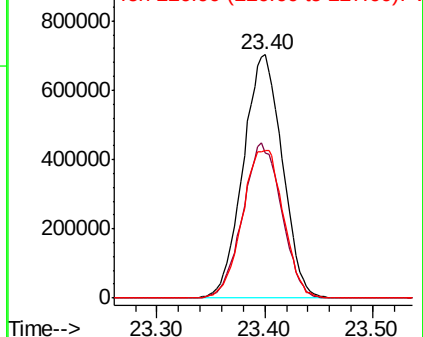


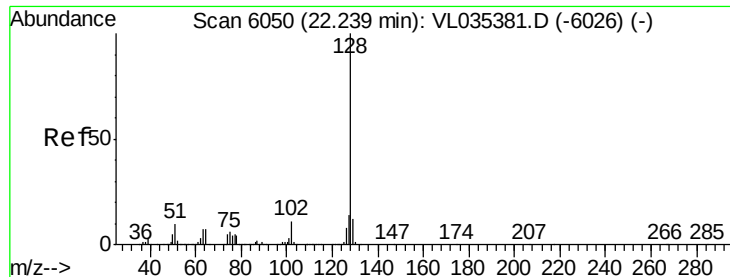
Abundance

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: 6.452 ppbv

RT: 22.22 min Scan# 6045

Delta R.T. -0.02 min

Lab File: VL035399.D

Acq: 13 Aug 2020 9:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

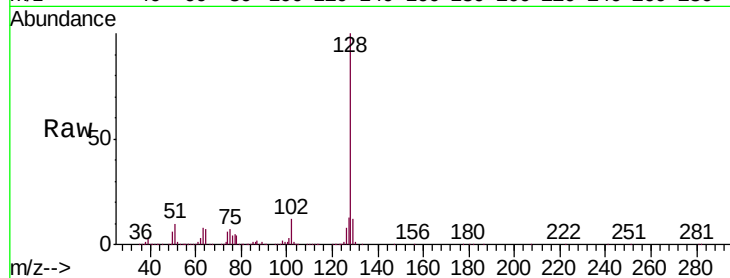
Tgt Ion:128 Resp: 5041190

Ion Ratio Lower Upper

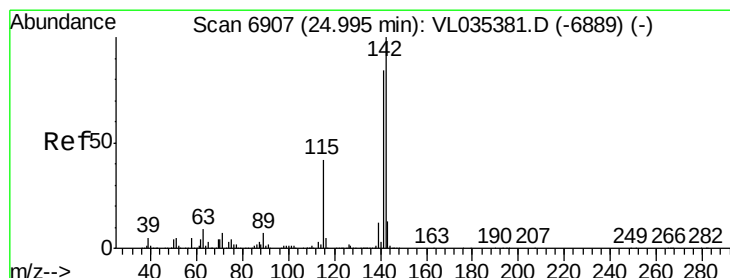
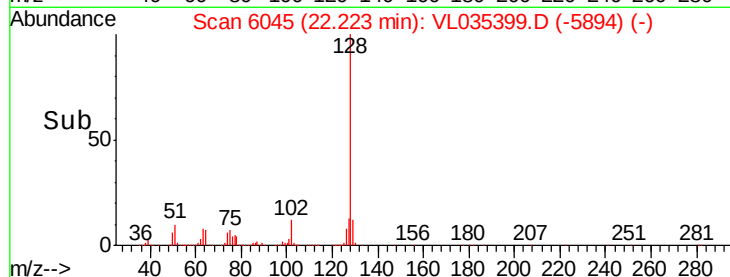
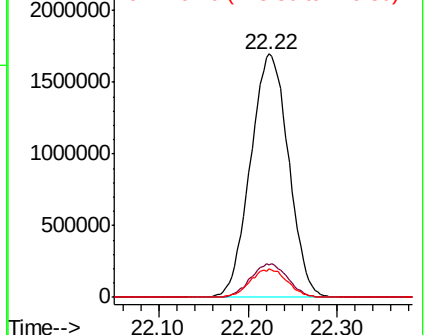
128 100

127 13.3 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: 6.298 ppbv

RT: 24.99 min Scan# 6905

Delta R.T. -0.01 min

Lab File: VL035399.D

Acq: 13 Aug 2020 9:22

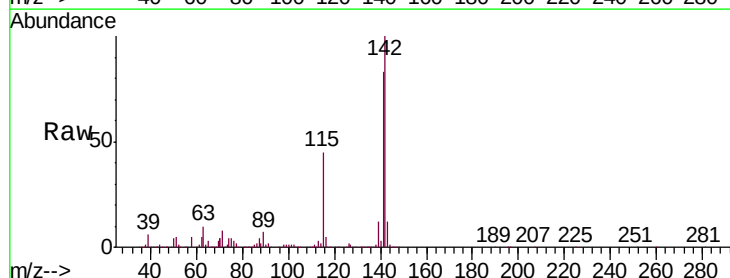
Tgt Ion:142 Resp: 2291474

Ion Ratio Lower Upper

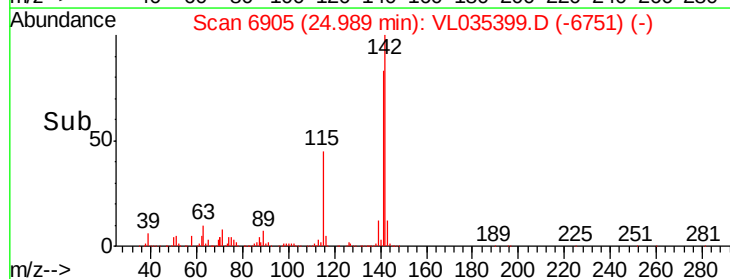
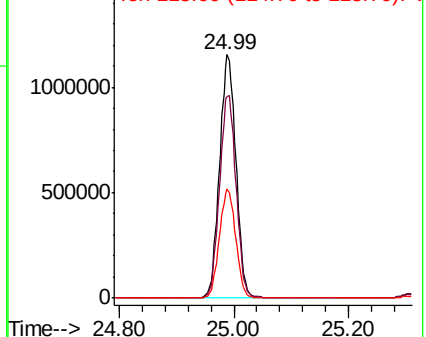
142 100

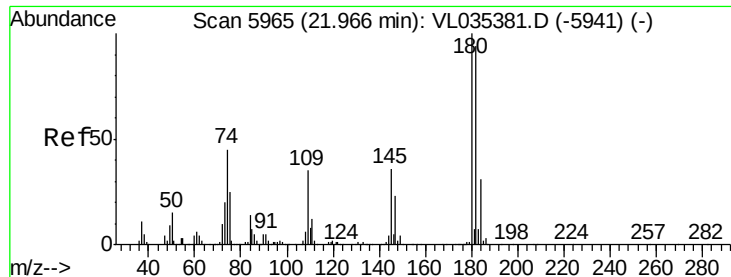
141 84.4 67.7 101.5

115 45.0 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: 6.291 ppbv

RT: 21.96 min Scan# 5962

Delta R.T. -0.01 min

Lab File: VL035399.D

Acq: 13 Aug 2020 9:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:180 Resp: 2326489

Ion Ratio Lower Upper

180 100

182 96.1 77.6 116.4

184 30.8 24.7 37.1

