

Data File : VL035491.D
Acq On : 23 Aug 2020 8:13
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Quant Time: Aug 23 10:30:52 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL082320AIR.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	1008201	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4606236	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	5862759	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3361729	8.19	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.90%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.04	85	1609035	8.611	ppbv	100
3) Chlorodifluoromethane	2.98	51	1077890	8.527	ppbv	92
4) Chloromethane	3.13	50	570039	8.656	ppbv	95
5) Vinyl Chloride	3.25	62	685578	8.711	ppbv	95
6) Bromomethane	3.47	94	617315	8.968	ppbv	98
7) Chloroethane	3.55	64	254963	8.793	ppbv	96
8) Dichlorotetrafluoroethane	3.18	85	2012337	8.410	ppbv #	62
9) Propene	3.00	41	420355	8.273	ppbv	100
10) Heptane	8.13	43	1158205	8.694	ppbv #	79
11) Trichlorofluoromethane	3.95	101	2463101	8.401	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1870035	8.559	ppbv	84
13) Ethanol	3.60	45	111412	5.985	ppbv	99
14) Bromoethene	3.74	108	861645	8.924	ppbv #	94
15) Acetone	3.85	43	918638	7.916	ppbv #	84
16) 1,3-Butadiene	3.32	39	412702	8.770	ppbv #	65
17) tert-Butyl alcohol	4.29	59	1394227	9.296	ppbv	98
18) 1,1-Dichloroethene	4.29	96	863679	8.953	ppbv #	60
19) Isopropyl Alcohol	3.97	45	703044	8.790	ppbv #	98
20) Methylene Chloride	4.34	84	692169	7.393	ppbv #	63
21) Allyl Chloride	4.41	41	554185	9.398	ppbv #	82
22) trans-1,2-Dichloroethene	4.88	96	913146	8.869	ppbv #	64
23) Vinyl Acetate	5.08	43	1471454	8.870	ppbv #	94
24) 1,1-Dichloroethane	5.01	63	1438799	8.691	ppbv #	95
25) Ethyl Acetate	5.68	43	1886695	8.355	ppbv #	93
26) Hexane	5.69	57	1066819	8.372	ppbv #	75
27) Carbon Disulfide	4.55	76	1805193	9.800	ppbv #	85
28) Methyl tert-Butyl Ether	5.03	73	2002245	8.601	ppbv	92
29) Chloroform	5.75	83	2238361	8.742	ppbv	99
30) Cyclohexane	7.13	84	1269038	8.976	ppbv #	61
31) cis-1,2-Dichloroethene	5.55	61	1186334	8.852	ppbv #	64
32) 1,1,1-Trichloroethane	6.52	97	2267195	9.448	ppbv #	90
34) 2-Butanone	5.25	43	1313456	8.535	ppbv #	74
35) Carbon Tetrachloride	7.02	117	2425880	9.902	ppbv	100
36) Benzene	6.90	78	2907650	8.601	ppbv #	93
37) 1,2-Dichloroethane	6.31	62	1356207	8.778	ppbv #	90
38) Trichloroethene	7.84	130	1580707	8.406	ppbv	84
39) 1,2-Dichloropropane	7.62	63	961531	8.630	ppbv #	85
40) 1,4-Dioxane	7.84	88	538732	8.876	ppbv #	20
41) Tetrahydrofuran	6.05	42	752666	8.866	ppbv #	60
42) Bromodichloromethane	7.80	83	2390263	9.245	ppbv #	99
43) Methyl Methacrylate	8.02	69	1196310	9.049	ppbv #	58

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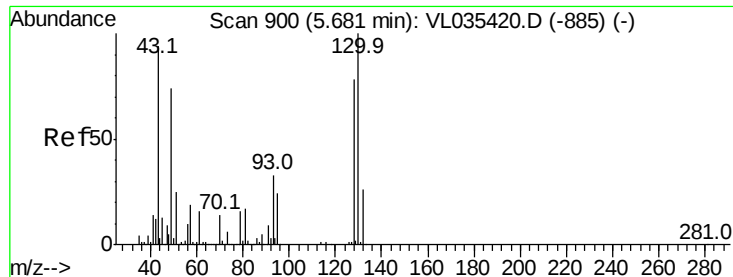
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	3677023	8.329	ppbv #	93
45) t-1,3-Dichloropropene	9.29	75	1394255	10.238	ppbv	97
46) cis-1,3-Dichloropropene	8.71	75	1643056	9.685	ppbv #	75
47) 1,1,2-Trichloroethane	9.49	97	1452248	8.726	ppbv	93
48) Dibromochloromethane	10.32	129	2602433	9.322	ppbv	99
49) Bromoform	13.06	173	2526629	9.394	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	1940998	8.792	ppbv #	81
51) 2-Hexanone	10.14	43	1664718	8.946	ppbv #	78
52) Tetrachloroethene	11.24	164	1662106	8.060	ppbv #	85
53) Toluene	9.82	91	3747382	8.606	ppbv	99
54) 1,2-Dibromoethane	10.62	107	2348231	8.688	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.14	131	2011282	7.232	ppbv	96
57) Chlorobenzene	12.16	112	3261248	6.664	ppbv #	82
58) Ethyl Benzene	12.73	91	4909329	6.937	ppbv #	86
59) m/p-Xylene	13.01	91	4333112	7.243	ppbv #	12
60) o-Xylene	13.71	91	4023610	6.920	ppbv	87
61) Styrene	13.55	104	3353586	7.138	ppbv #	90
62) Isopropylbenzene	14.69	105	6297181	6.608	ppbv #	88
63) 1,1,2,2-Tetrachloroethane	13.70	83	2811397	6.731	ppbv	97
64) n-propylbenzene	15.58	120	2023032	6.887	ppbv #	51
65) tert-Butylbenzene	16.77	119	6036254	6.518	ppbv	83
66) Benzyl Chloride	17.01	91	2124657	9.538	ppbv #	90
67) sec-Butylbenzene	17.32	105	7781650	6.385	ppbv #	86
69) p-Isopropyltoluene	17.68	119	6948056	6.425	ppbv #	90
70) n-Butylbenzene	18.57	91	6635408	6.496	ppbv #	92
71) 2-Chlorotoluene	15.47	91	4739145	6.854	ppbv	79
72) 4-Ethyltoluene	15.86	105	5235390	6.861	ppbv #	92
73) 1,3,5-Trimethylbenzene	16.02	105	4859493	6.844	ppbv #	84
74) 1,2,4-Trimethylbenzene	16.79	105	5053876	6.551	ppbv	92
75) 1,3-Dichlorobenzene	17.02	146	3740695	6.278	ppbv	92
76) 1,4-Dichlorobenzene	17.16	146	3797065	6.466	ppbv	92
77) 1,2-Dichlorobenzene	17.84	146	3702505	6.344	ppbv	92
78) Hexachloro-1,3-Butadiene	23.40	225	2501229	5.420	ppbv	99
79) Naphthalene	22.23	128	6595604	6.071	ppbv	100
80) Naphthalene,2-methyl-	25.00	142	2899733	6.459	ppbv #	93
81) 1,2,4-Trichlorobenzene	21.96	180	3782224	5.775	ppbv	100

(#) = 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: 5.67 min Scan# 896

Delta R.T. -0.01 min

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ClientSampleId :

VSTDICCC010

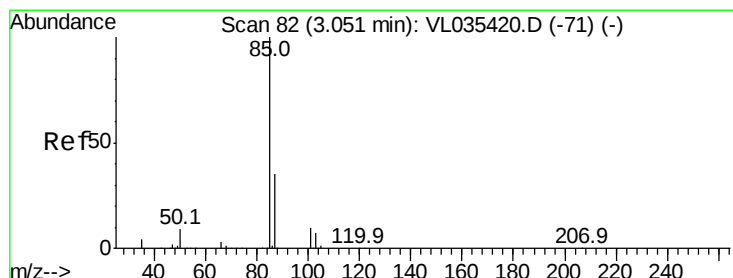
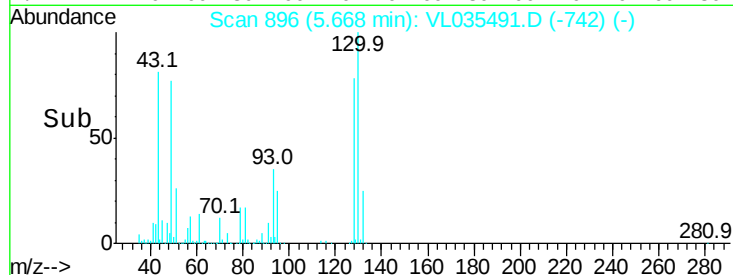
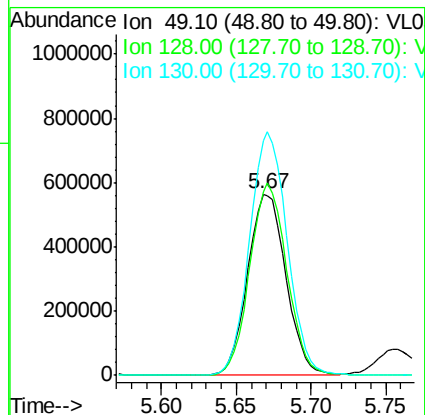
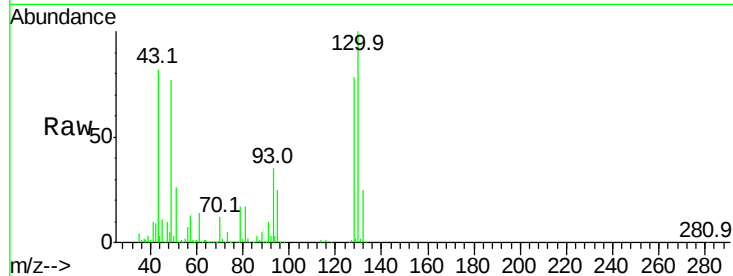
Tgt Ion: 49 Resp: 1008201

Ion Ratio Lower Upper

49 100

128 103.3 20.9 62.7#

130 132.3 26.7 80.1#



#2

Dichlorodifluoromethane

Concen: 8.611 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.00 min

Lab File: VL035491.D

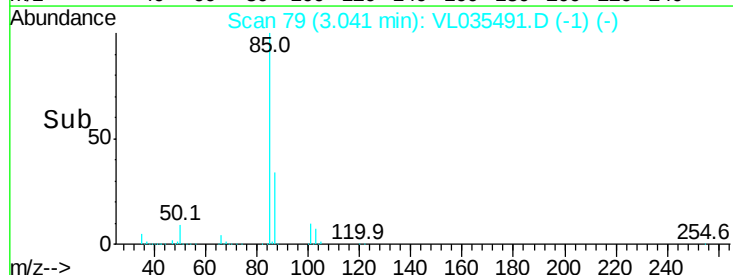
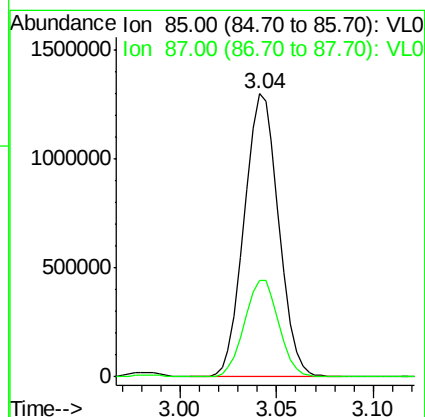
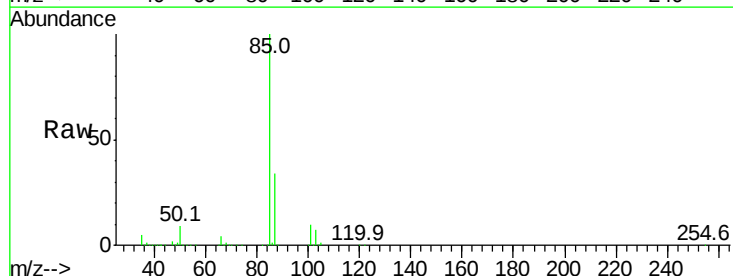
Acq: 23 Aug 2020 8:13

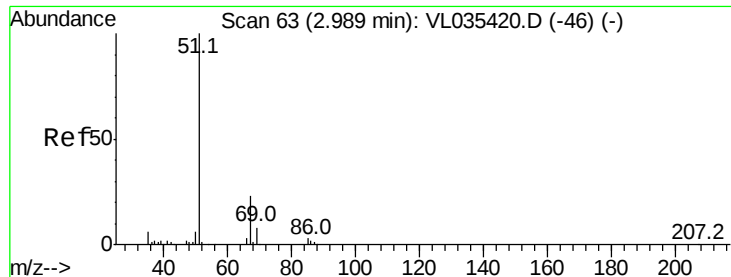
Tgt Ion: 85 Resp: 1609035

Ion Ratio Lower Upper

85 100

87 34.1 27.1 40.7





#3

Chlorodifluoromethane

Concen: 8.527 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.00 min

Lab File: VL035491.D

Acq: 23 Aug 2020 8:13

Instrument :

MSVOA_L

ClientSampleId :

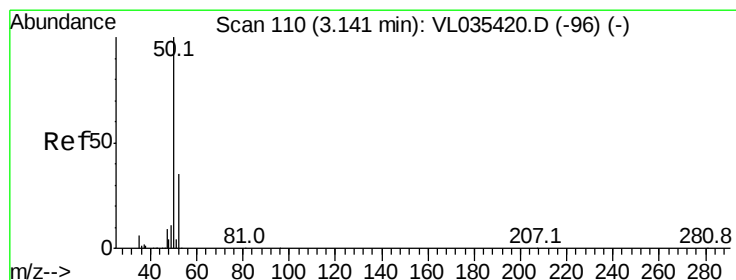
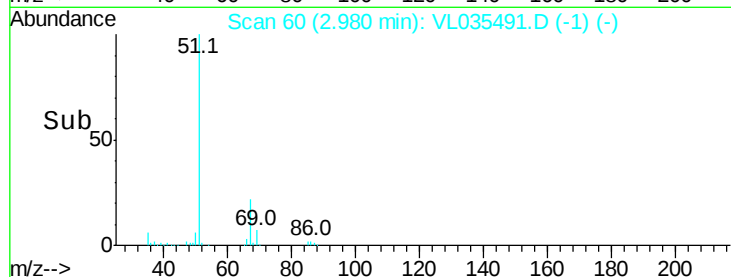
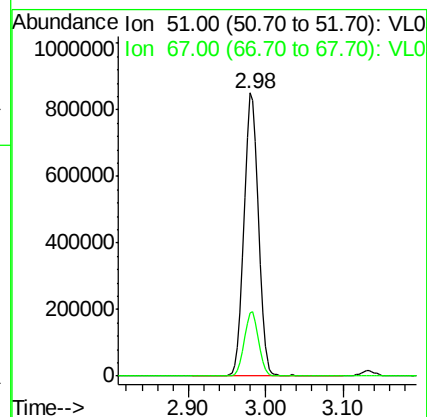
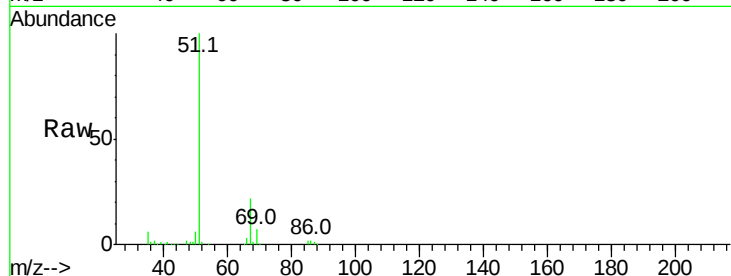
VSTDICCC010

Tgt Ion: 51 Resp: 1077890

Ion Ratio Lower Upper

51 100

67 22.4 15.0 22.6



#4

Chloromethane

Concen: 8.656 ppbv

RT: 3.13 min Scan# 108

Delta R.T. 0.00 min

Lab File: VL035491.D

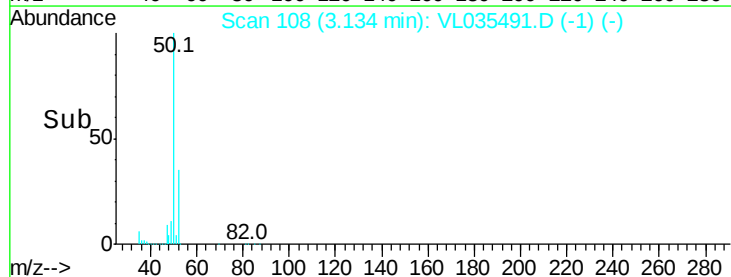
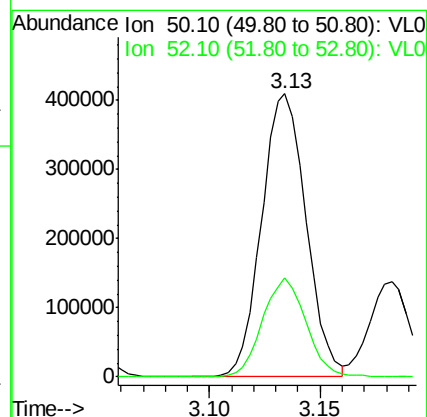
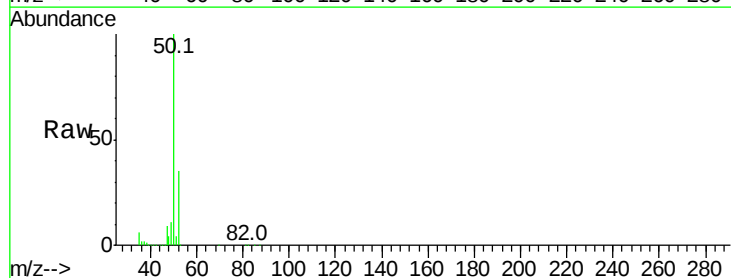
Acq: 23 Aug 2020 8:13

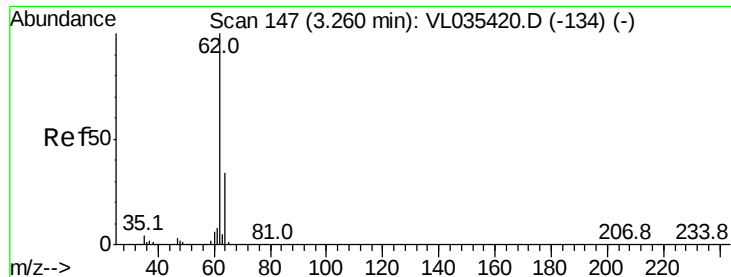
Tgt Ion: 50 Resp: 570039

Ion Ratio Lower Upper

50 100

52 35.2 25.9 38.9





#5

Vinyl Chloride

Concen: 8.711 ppbv

RT: 3.25 min Scan# 144

Delta R.T. -0.00 min

Lab File: VL035491.D

Acq: 23 Aug 2020 8:13

Instrument :

MSVOA_L

ClientSampleId :

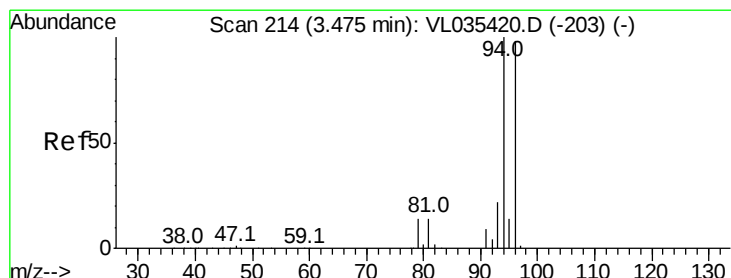
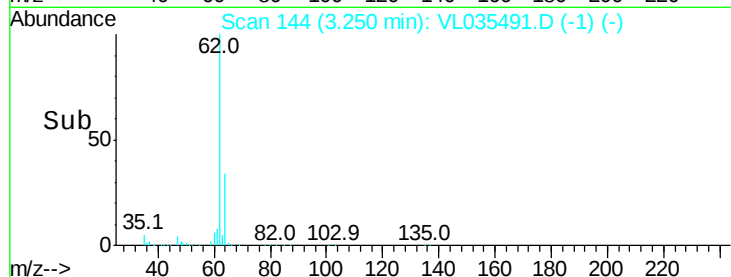
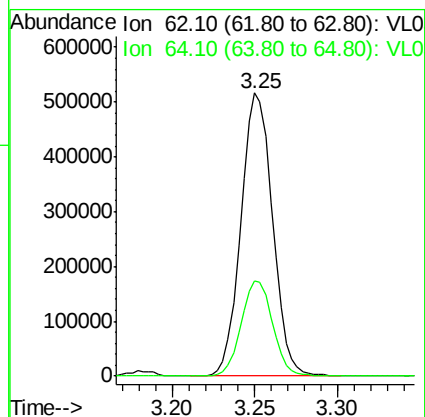
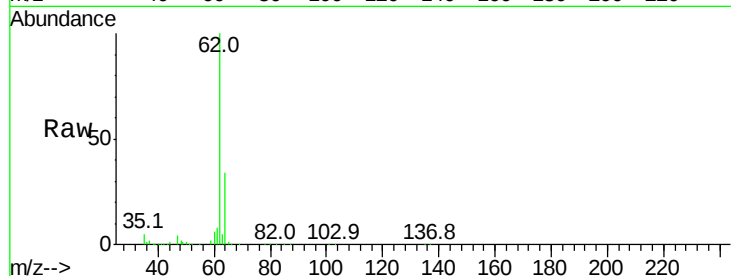
VSTDICCC010

Tgt Ion: 62 Resp: 685578

Ion Ratio Lower Upper

62 100

64 33.9 25.0 37.4



#6

Bromomethane

Concen: 8.968 ppbv

RT: 3.47 min Scan# 212

Delta R.T. 0.00 min

Lab File: VL035491.D

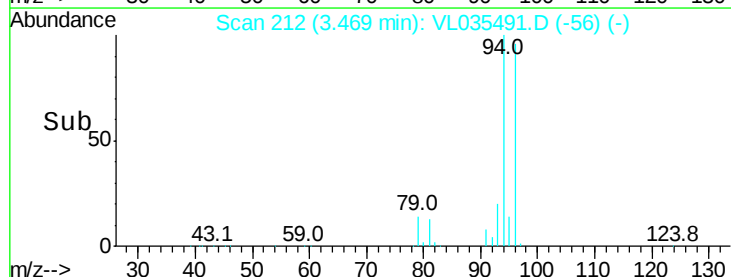
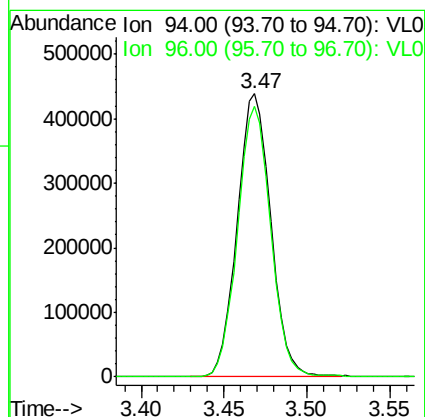
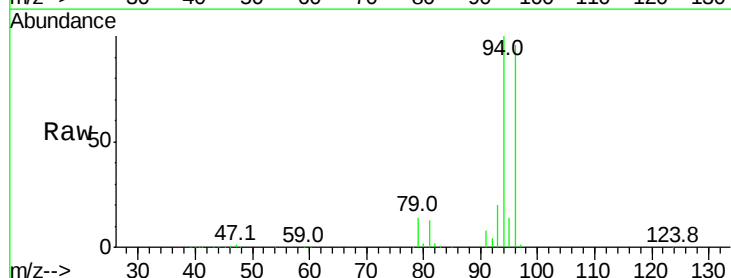
Acq: 23 Aug 2020 8:13

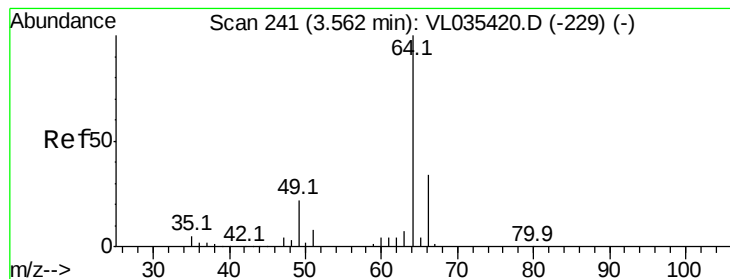
Tgt Ion: 94 Resp: 617315

Ion Ratio Lower Upper

94 100

96 95.8 75.0 112.6





#7

Chloroethane

Concen: 8.793 ppbv

RT: 3.55 min Scan# 238

Delta R.T. -0.00 min

Lab File: VL035491.D

Acq: 23 Aug 2020 8:13

Instrument :

MSVOA_L

ClientSampleId :

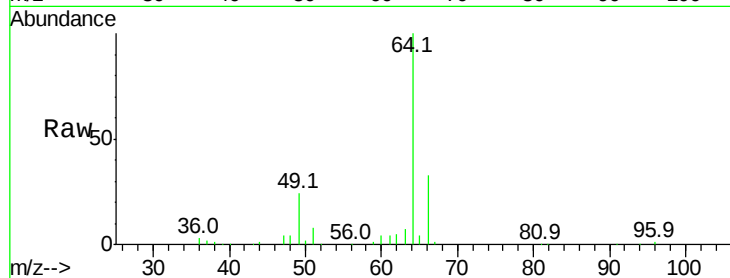
VSTDICCC010

Tgt Ion: 64 Resp: 254963

Ion Ratio Lower Upper

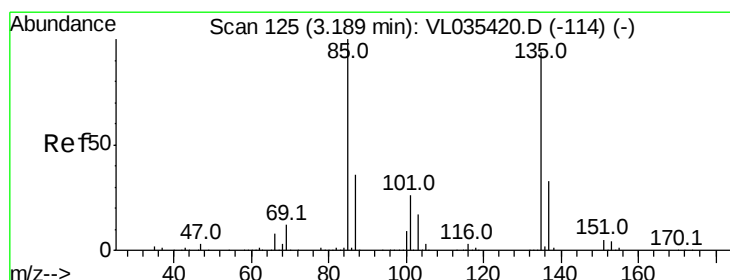
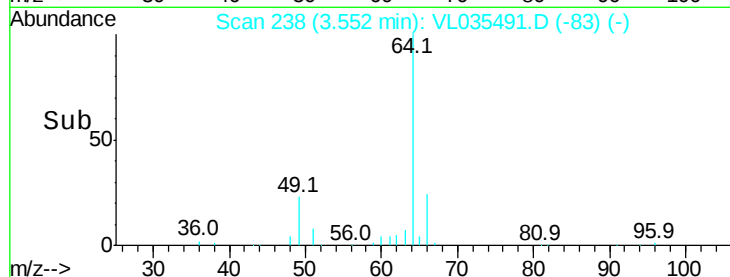
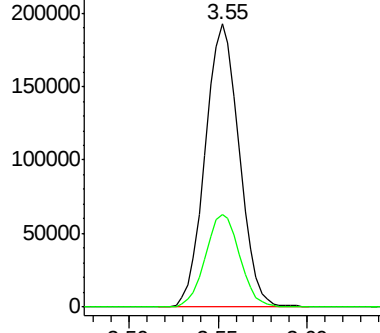
64 100

66 32.7 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: 8.410 ppbv

RT: 3.18 min Scan# 123

Delta R.T. 0.00 min

Lab File: VL035491.D

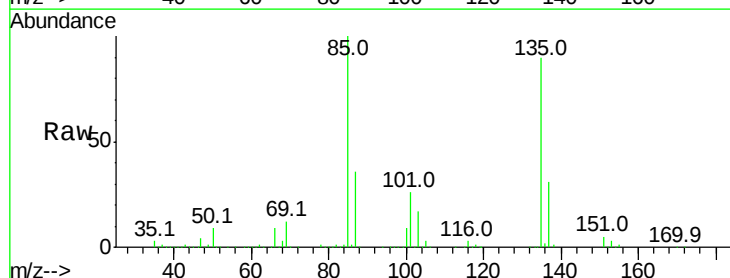
Acq: 23 Aug 2020 8:13

Tgt Ion: 85 Resp: 2012337

Ion Ratio Lower Upper

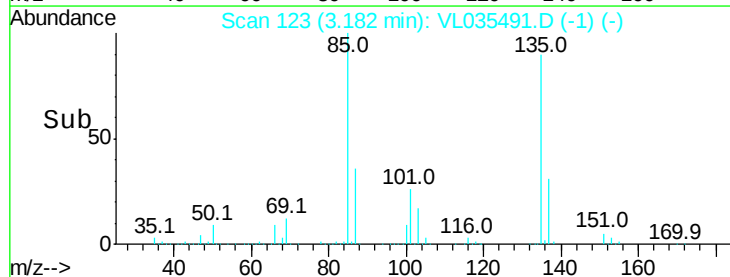
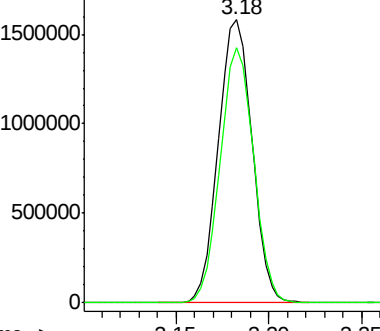
85 100

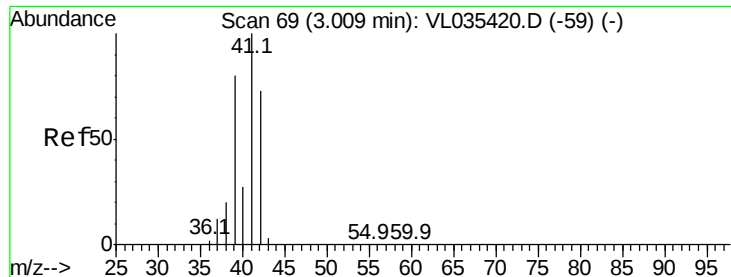
135 89.7 48.6 72.8#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 8.273 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.00 min

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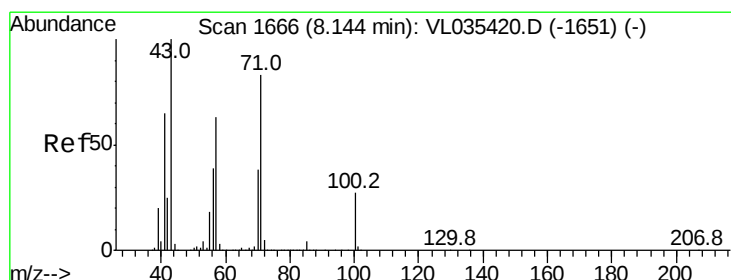
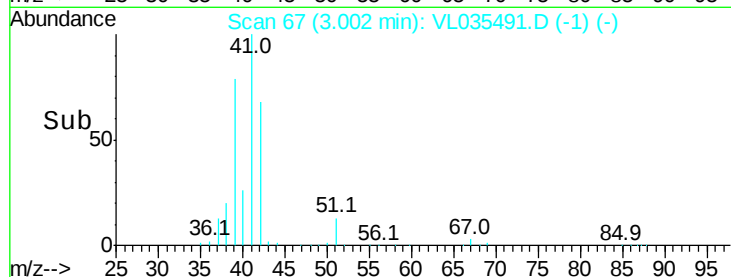
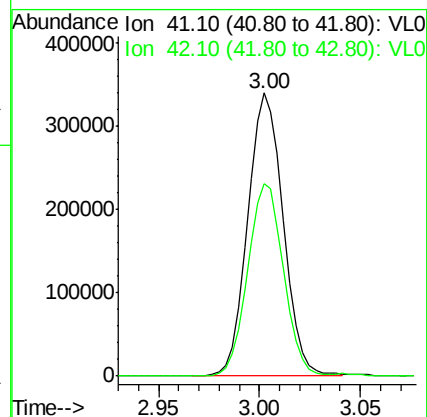
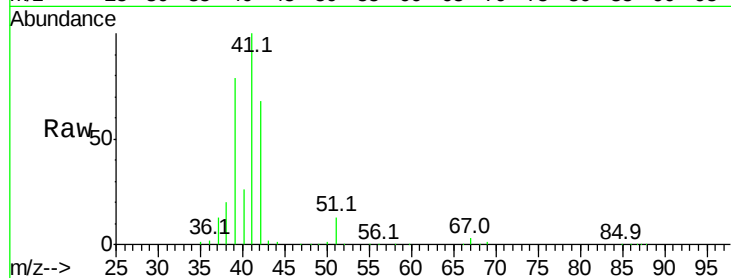
VSTDICCC010

Tgt Ion: 41 Resp: 420355

Ion Ratio Lower Upper

41 100

42 69.1 55.5 83.3



#10

Heptane

Concen: 8.694 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. -0.01 min

Lab File: VL035491.D

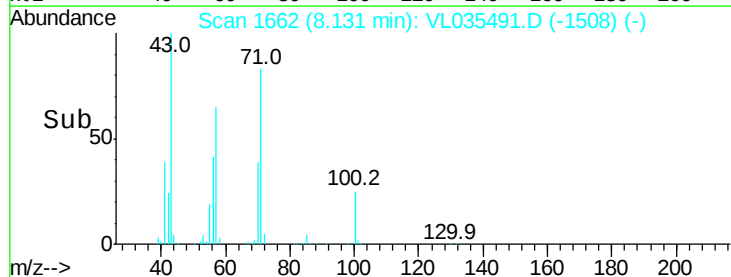
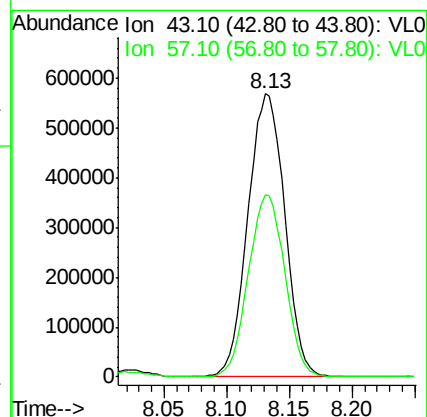
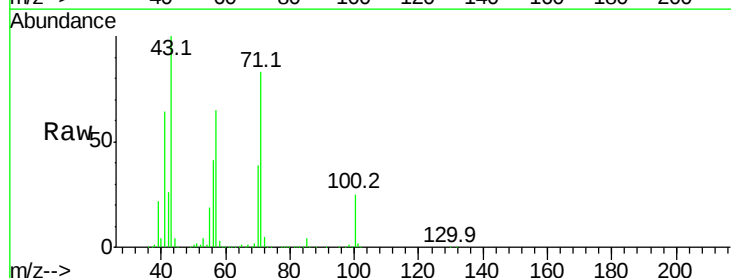
Acq: 23 Aug 2020 8:13

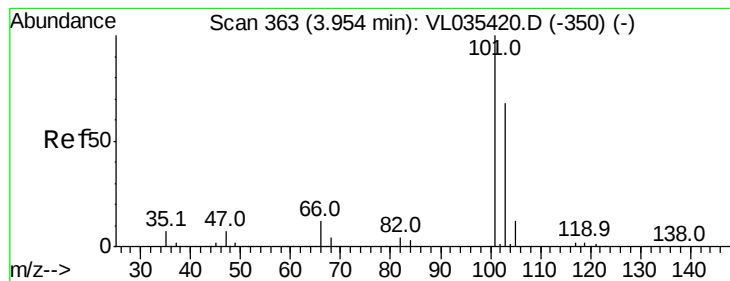
Tgt Ion: 43 Resp: 1158205

Ion Ratio Lower Upper

43 100

57 64.3 39.8 59.6#





#11

Trichlorofluoromethane

Concen: 8.401 ppbv

RT: 3.95 min Scan# 361

Delta R.T. 0.00 min

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Acq: 23 Aug 2020 8:13

Instrument :

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ClientSampleId :

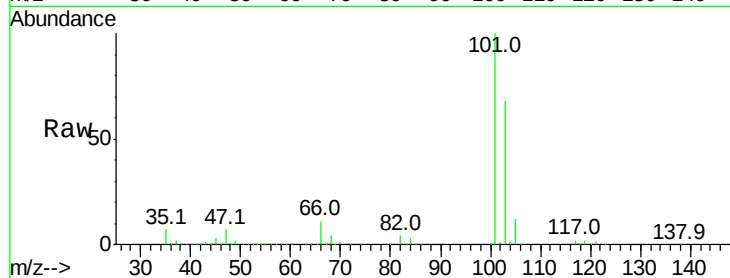
VSTDICCC010

Tgt Ion:101 Resp: 2463101

Ion Ratio Lower Upper

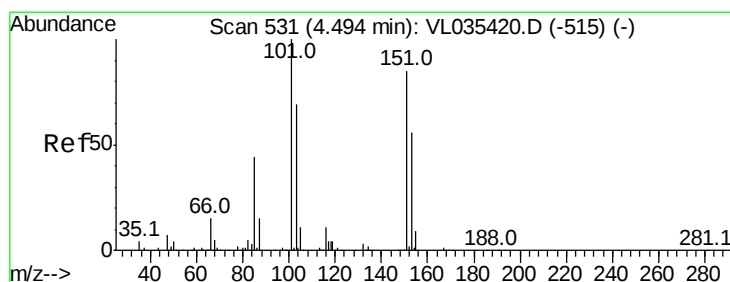
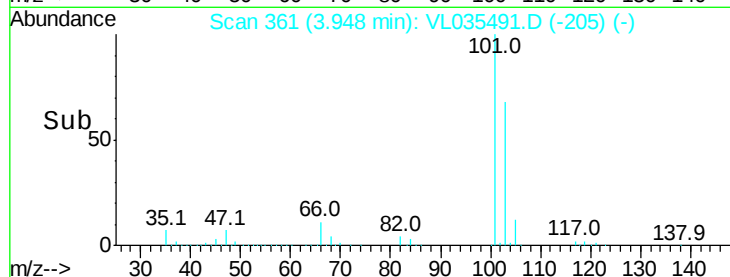
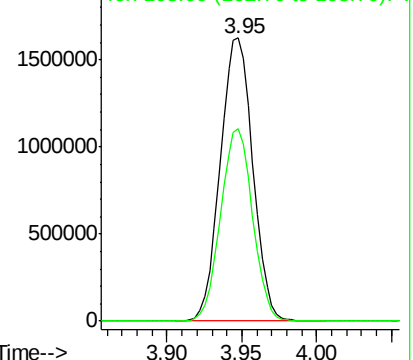
101 100

103 68.0 52.6 78.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.559 ppbv

RT: 4.48 min Scan# 528

Delta R.T. 0.00 min

Lab File: VL035491.D

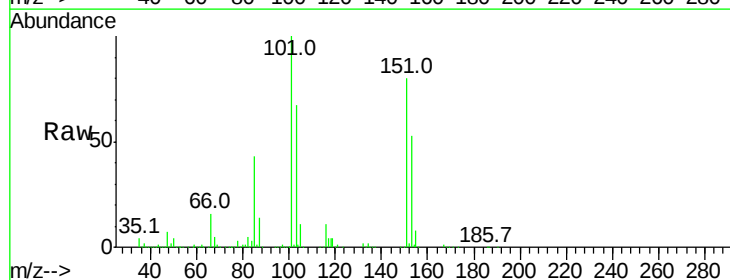
Acq: 23 Aug 2020 8:13

Tgt Ion:101 Resp: 1870035

Ion Ratio Lower Upper

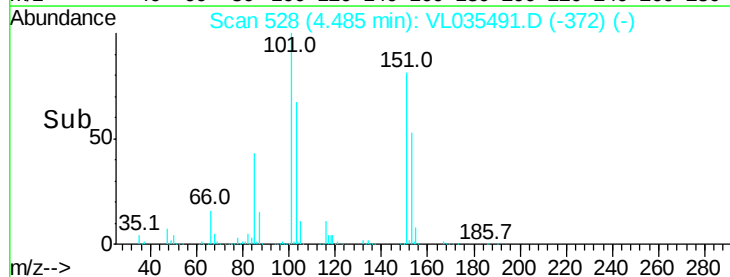
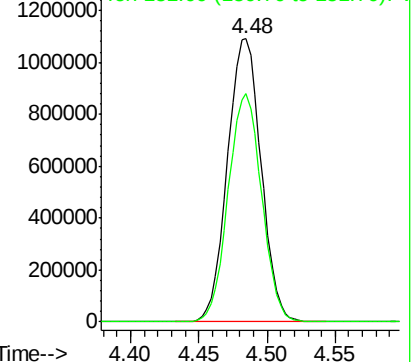
101 100

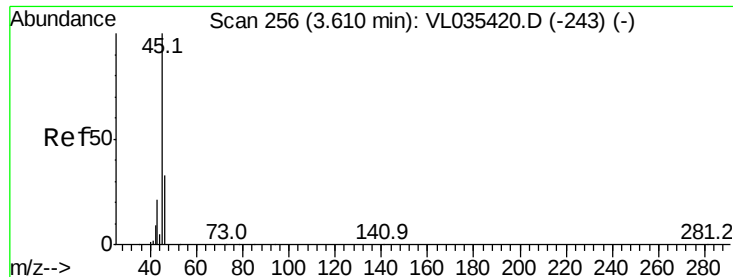
151 80.1 53.6 80.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 5.985 ppbv

RT: 3.60 min Scan# 254

Delta R.T. 0.00 min

Lab File: VL035491.D

Acq: 23 Aug 2020 8:13

Instrument :

MSVOA_L

ClientSampleId :

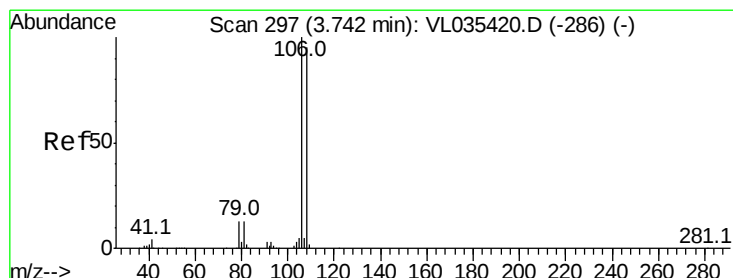
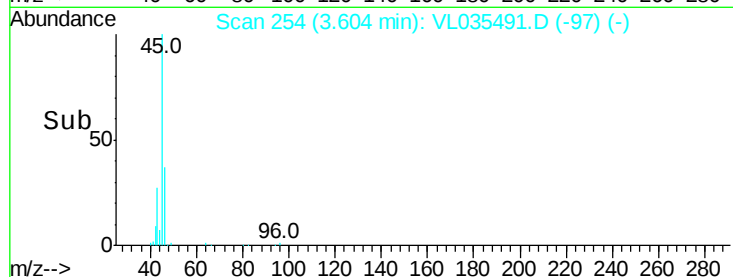
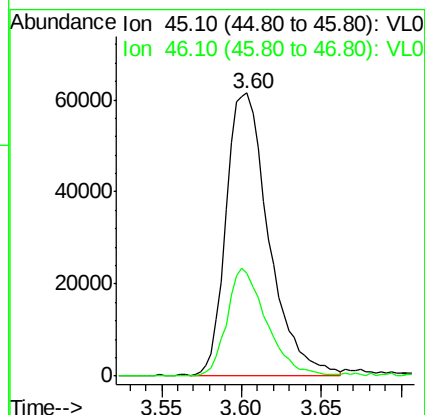
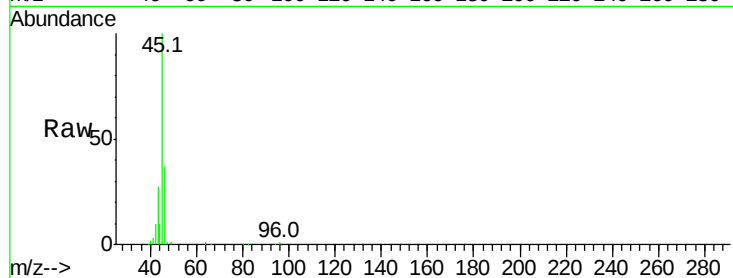
VSTDICCC010

Tgt Ion: 45 Resp: 111412

Ion Ratio Lower Upper

45 100

46 36.0 14.2 56.6



#14

Bromoethene

Concen: 8.924 ppbv

RT: 3.74 min Scan# 295

Delta R.T. -0.00 min

Lab File: VL035491.D

Acq: 23 Aug 2020 8:13

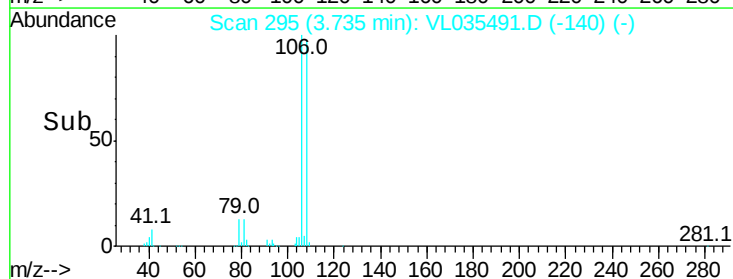
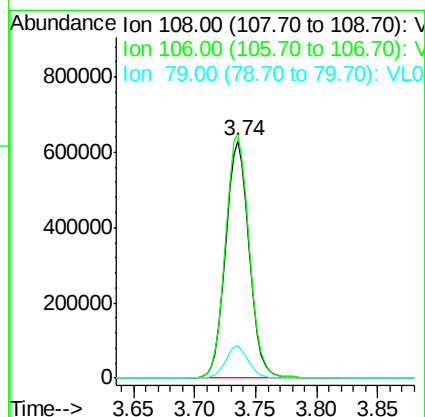
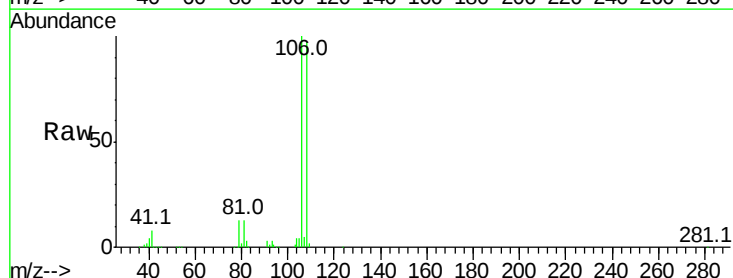
Tgt Ion: 108 Resp: 861645

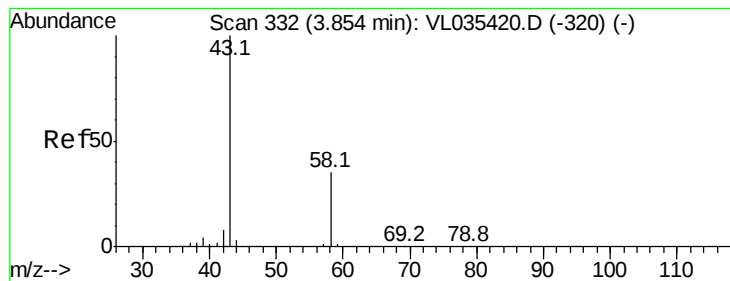
Ion Ratio Lower Upper

108 100

106 104.5 86.7 130.1

79 13.4 16.8 25.2#





#15

Acetone

Concen: 7.916 ppbv

RT: 3.85 min Scan# 330

Delta R.T. 0.00 min

Lab File: VL035491.D

Acq: 23 Aug 2020 8:13

Instrument :

MSVOA_L

ClientSampleId :

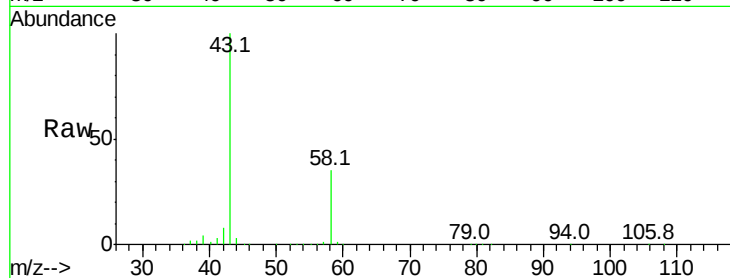
VSTDICCC010

Tgt Ion: 43 Resp: 918638

Ion Ratio Lower Upper

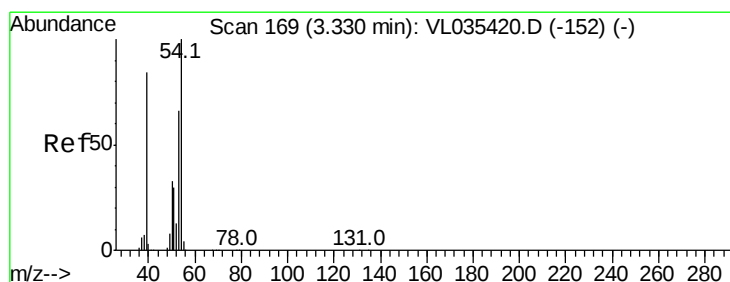
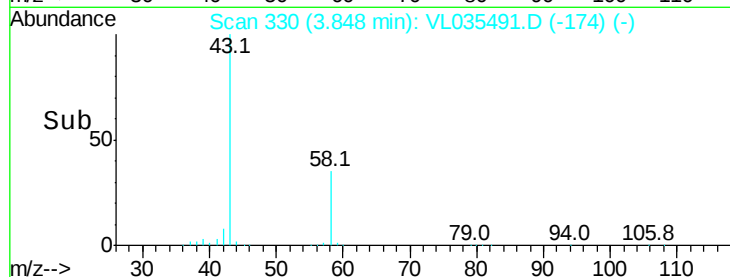
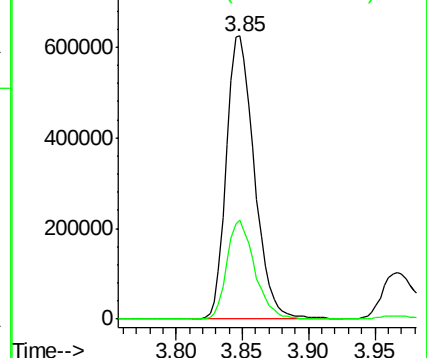
43 100

58 34.7 21.0 31.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 8.770 ppbv

RT: 3.32 min Scan# 166

Delta R.T. -0.00 min

Lab File: VL035491.D

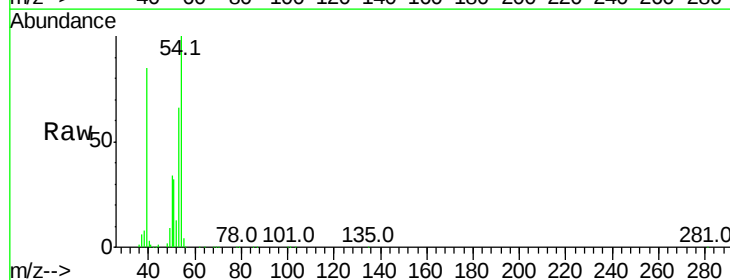
Acq: 23 Aug 2020 8:13

Tgt Ion: 39 Resp: 412702

Ion Ratio Lower Upper

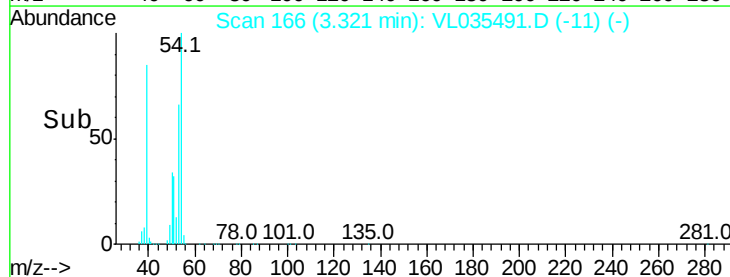
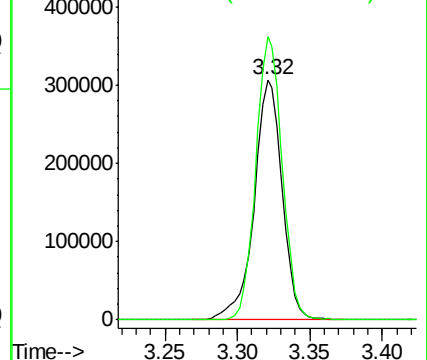
39 100

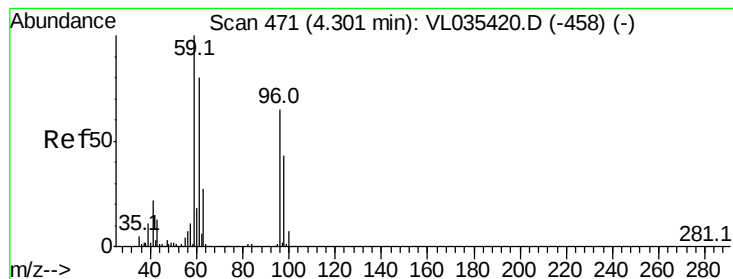
54 111.6 64.4 96.6#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 9.296 ppbv

RT: 4.29 min Scan# 468

Delta R.T. -0.00 min

Lab File: VL035491.D

Acq: 23 Aug 2020 8:13

Instrument :

MSVOA_L

ClientSampleId :

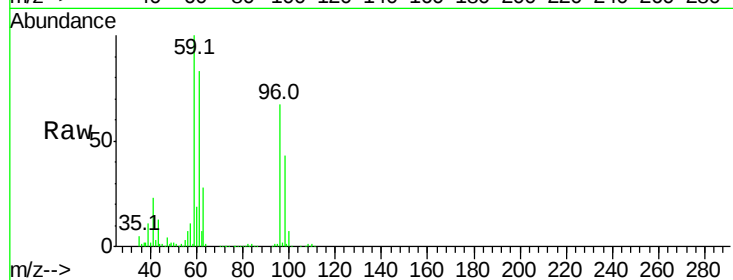
VSTDICCC010

Tgt Ion: 59 Resp: 1394227

Ion Ratio Lower Upper

59 100

57 10.5 8.9 13.3



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.29

800000

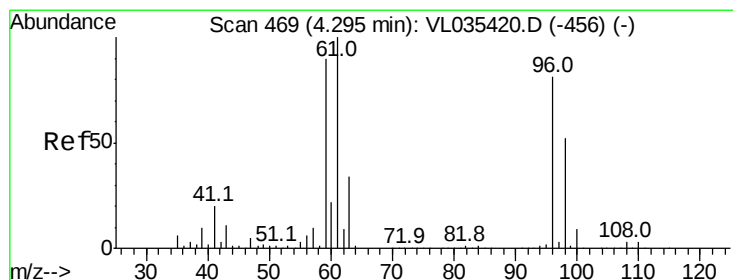
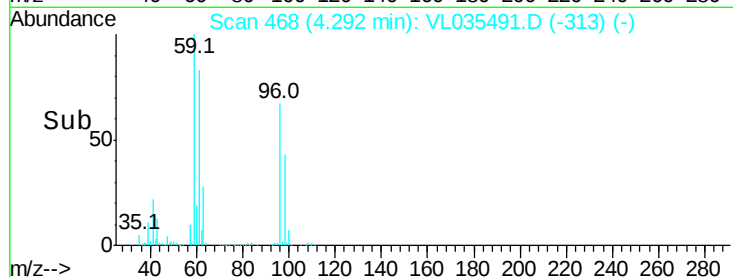
600000

400000

200000

0

Time--> 4.20 4.25 4.30 4.35 4.40



#18

1,1-Dichloroethene

Concen: 8.953 ppbv

RT: 4.29 min Scan# 466

Delta R.T. -0.00 min

Lab File: VL035491.D

Acq: 23 Aug 2020 8:13

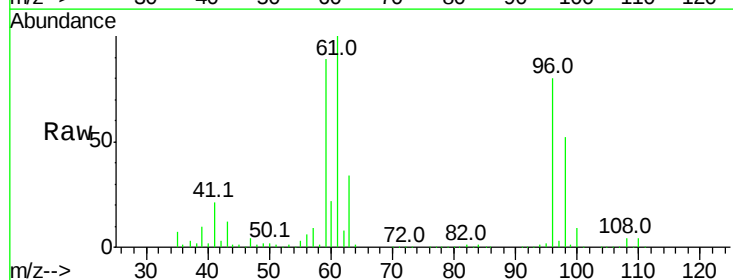
Tgt Ion: 96 Resp: 863679

Ion Ratio Lower Upper

96 100

61 124.9 161.8 242.6#

98 65.3 49.3 73.9



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

1000000

800000

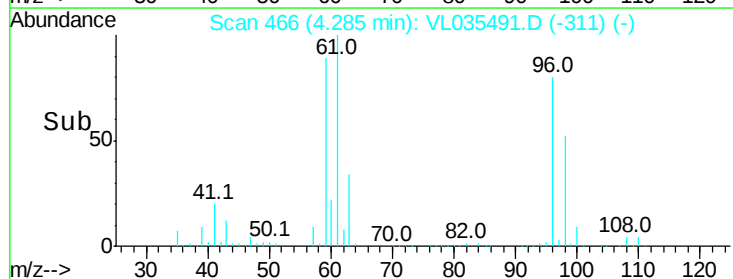
600000

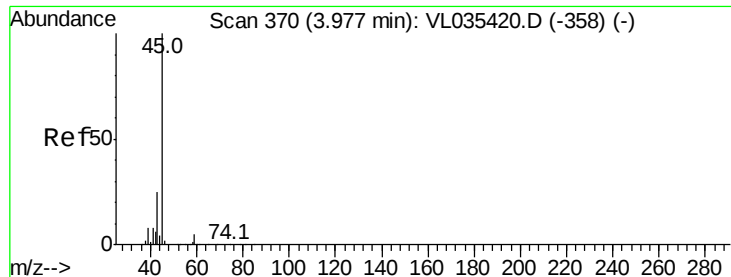
400000

200000

0

Time--> 4.20 4.25 4.30 4.35





#19

Isopropyl Alcohol

Concen: 8.790 ppbv

RT: 3.97 min Scan# 367

Delta R.T. -0.00 min

Lab File: VL035491.D

Acq: 23 Aug 2020 8:13

Instrument :

MSVOA_L

ClientSampleId :

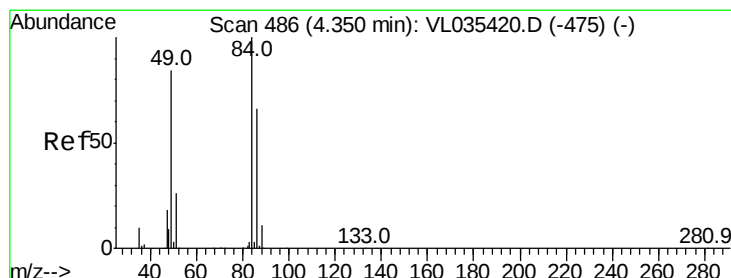
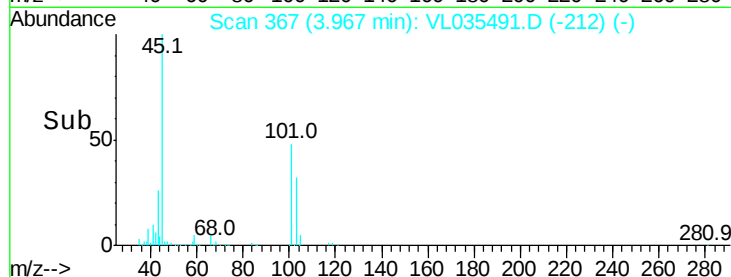
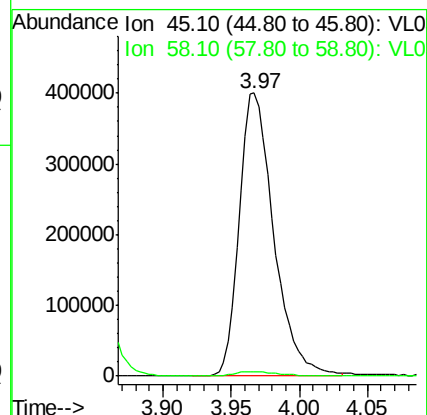
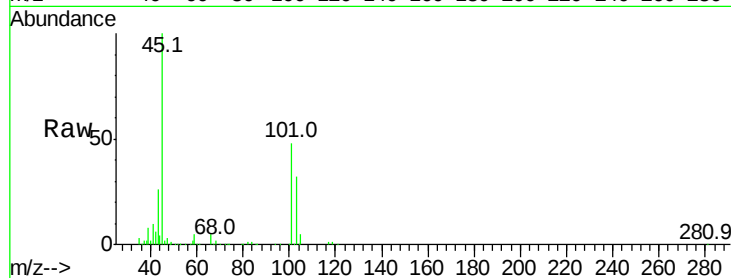
VSTDICCC010

Tgt Ion: 45 Resp: 703044

Ion Ratio Lower Upper

45 100

58 2.3 1.0 1.6#



#20

Methylene Chloride

Concen: 7.393 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.00 min

Lab File: VL035491.D

Acq: 23 Aug 2020 8:13

Tgt Ion: 84 Resp: 692169

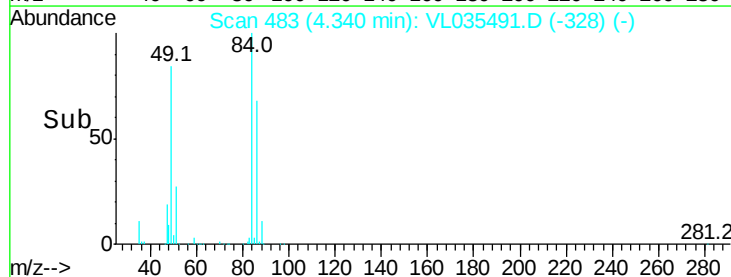
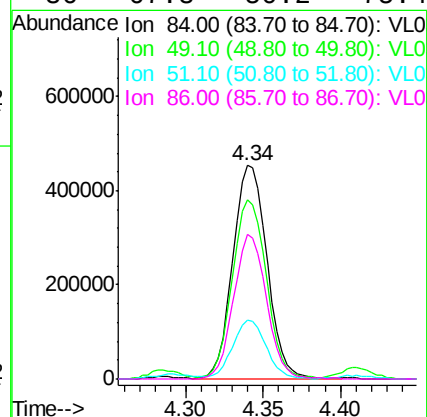
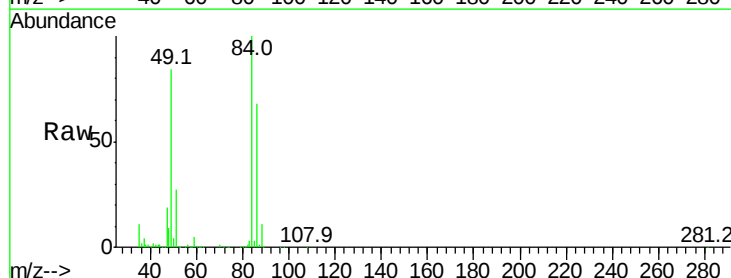
Ion Ratio Lower Upper

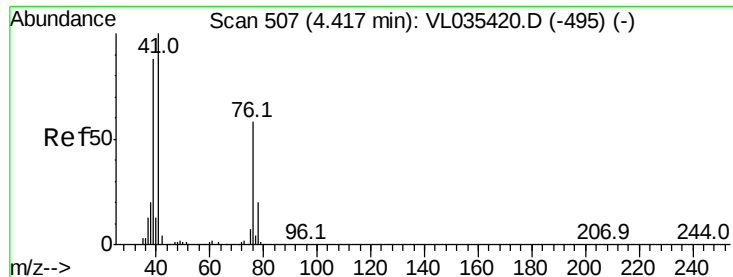
84 100

49 82.9 118.6 177.8#

51 26.4 36.4 54.6#

86 67.8 50.2 75.4





#21

Allyl Chloride

Concen: 9.398 ppbv

RT: 4.41 min Scan# 505

Delta R.T. -0.00 min

Lab File: VL035491.D

Acq: 23 Aug 2020 8:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

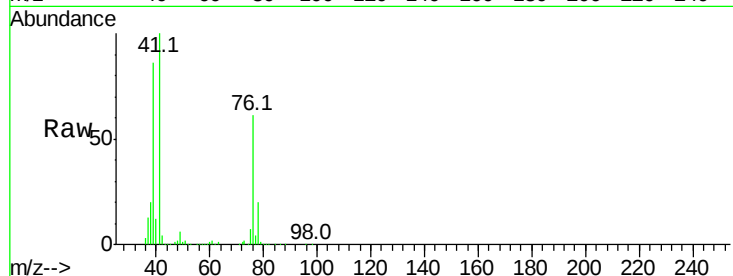
Tgt Ion: 41 Resp: 554185

Ion Ratio Lower Upper

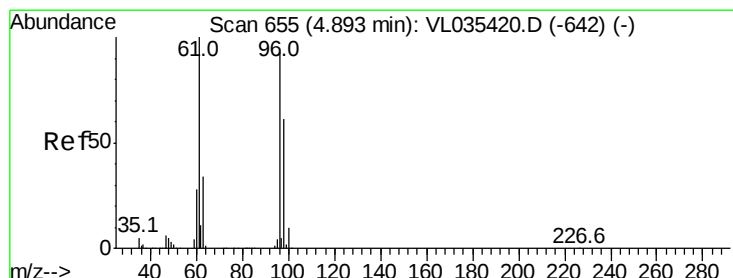
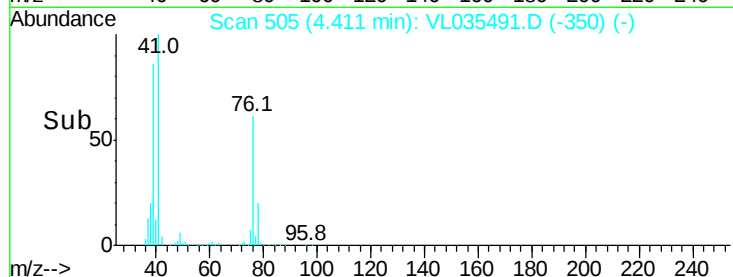
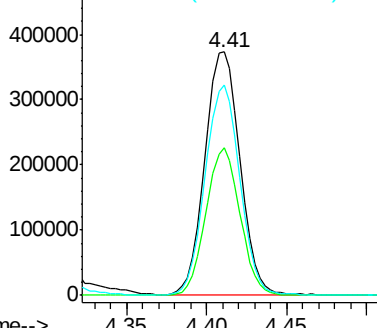
41 100

76 59.1 22.8 34.2#

39 86.2 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: 8.869 ppbv

RT: 4.88 min Scan# 652

Delta R.T. -0.01 min

Lab File: VL035491.D

Acq: 23 Aug 2020 8:13

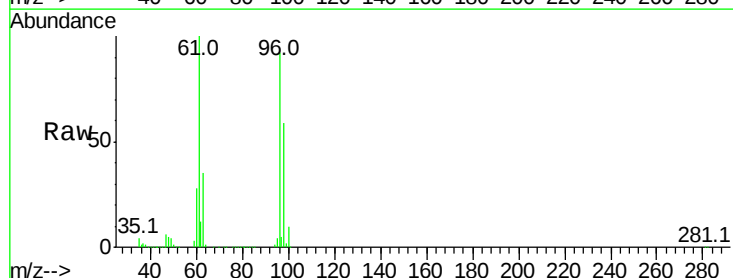
Tgt Ion: 96 Resp: 913146

Ion Ratio Lower Upper

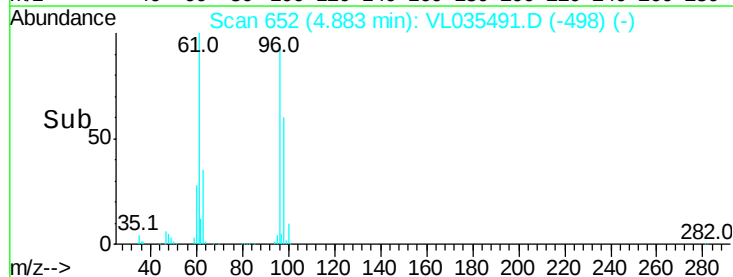
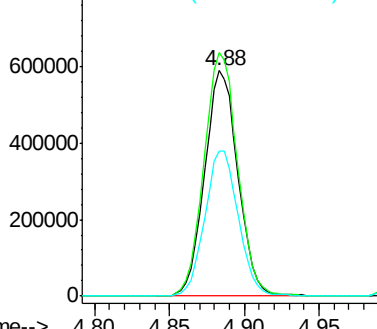
96 100

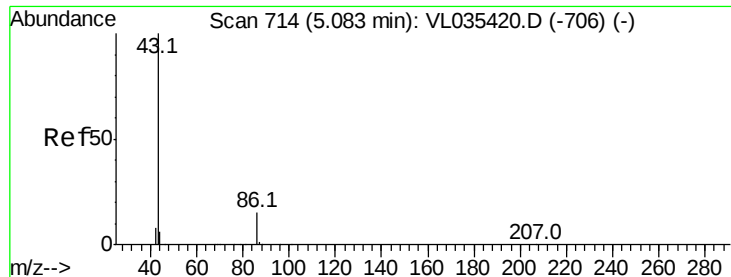
61 108.1 142.2 213.2#

98 64.3 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: 8.870 ppbv

RT: 5.08 min Scan# 712

Delta R.T. -0.00 min

Lab File: VL035491.D

Acq: 23 Aug 2020 8:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 43 Resp: 1471454

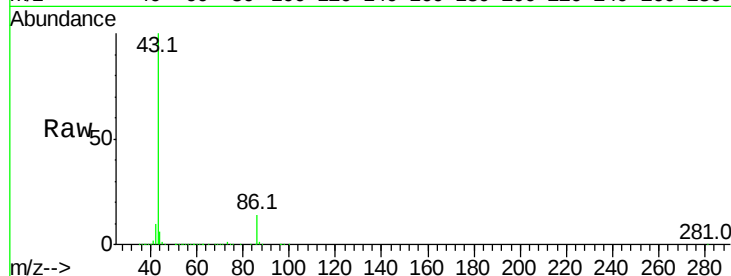
Ion Ratio Lower Upper

43 100

86 13.6 6.5 9.7#

42 9.8 8.3 12.5

44 5.5 4.0 6.0

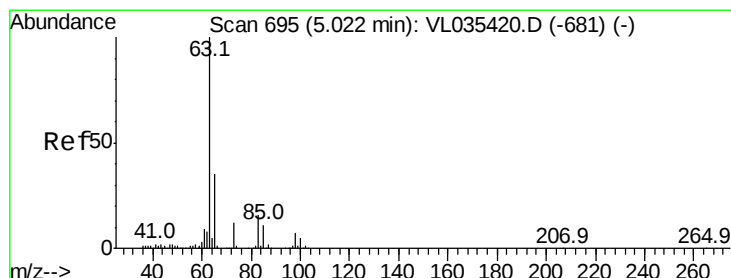
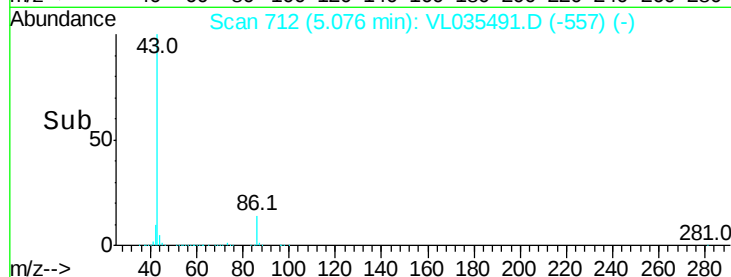
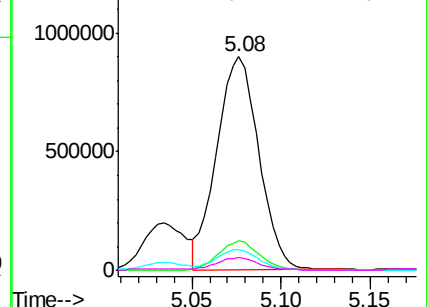


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 8.691 ppbv

RT: 5.01 min Scan# 692

Delta R.T. -0.00 min

Lab File: VL035491.D

Acq: 23 Aug 2020 8:13

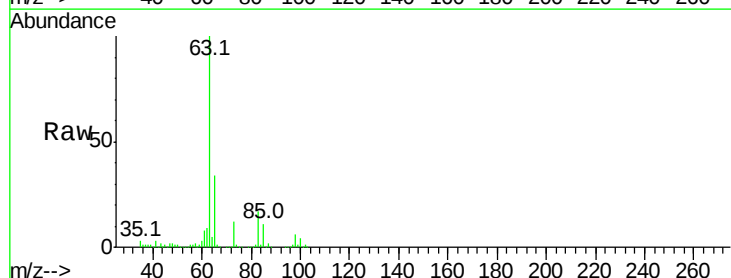
Tgt Ion: 63 Resp: 1438799

Ion Ratio Lower Upper

63 100

98 6.3 2.1 6.5

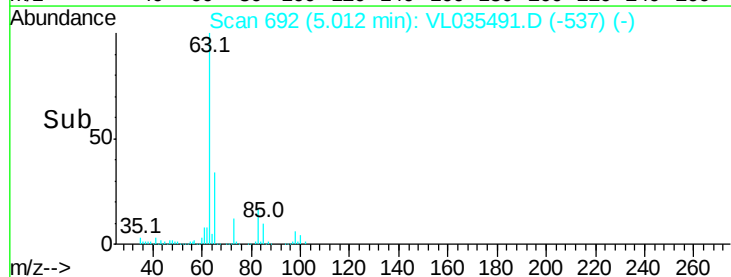
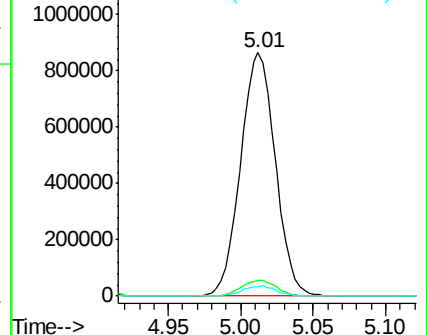
100 4.0 1.3 3.8#

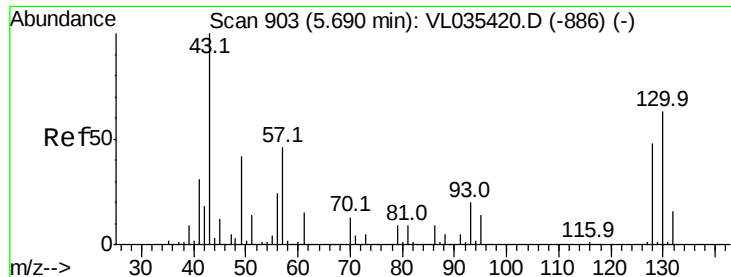


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

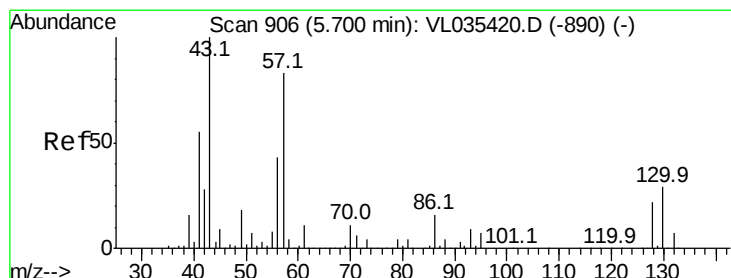
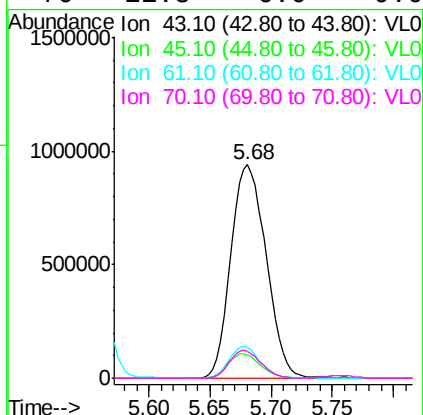
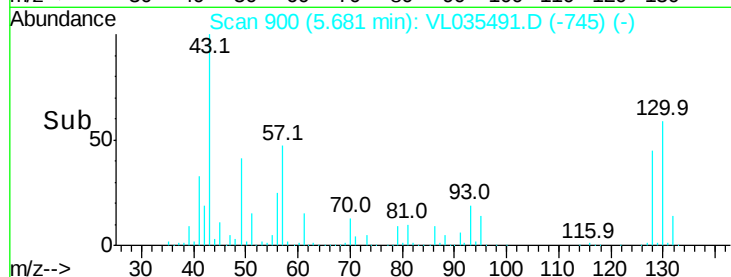
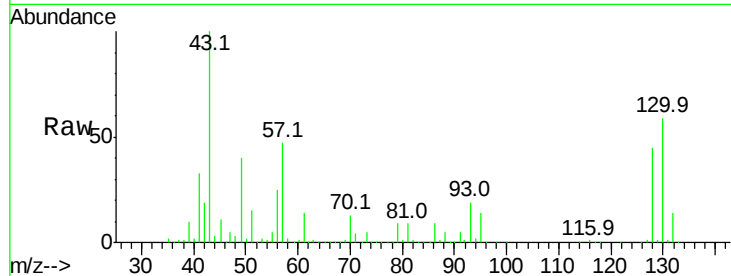




#25
Ethyl Acetate
Concen: 8.355 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.00 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

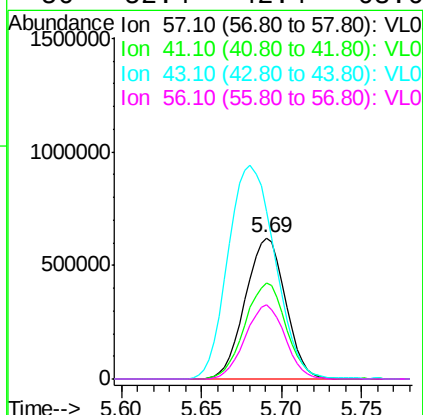
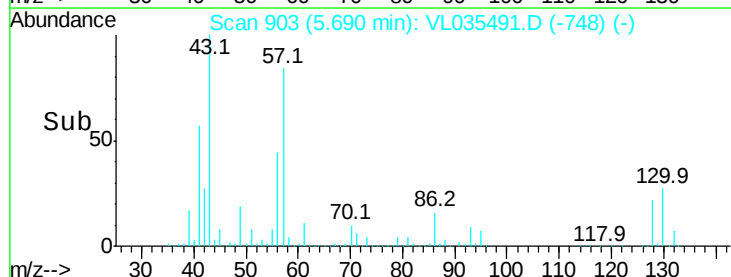
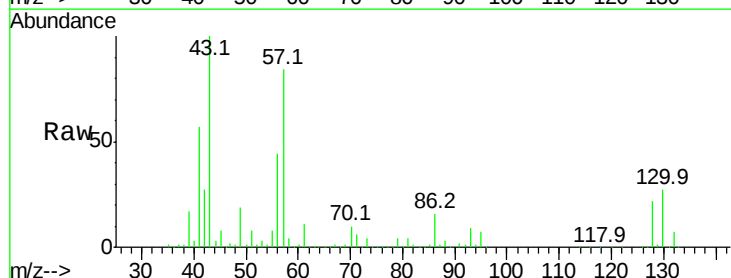
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

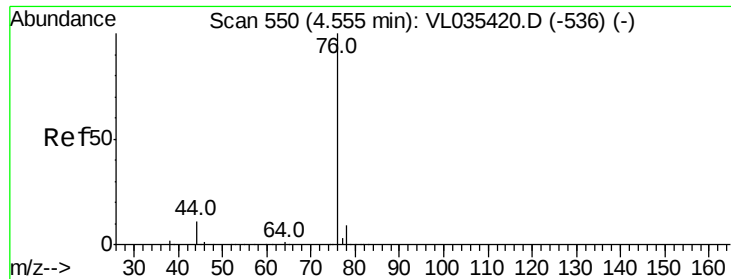
Tgt Ion: 43 Resp: 188695
Ion Ratio Lower Upper
43 100
45 10.5 8.3 12.5
61 13.3 7.6 11.4#
70 11.8 6.0 9.0#



#26
Hexane
Concen: 8.372 ppbv
RT: 5.69 min Scan# 903
Delta R.T. -0.00 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Tgt Ion: 57 Resp: 1066819
Ion Ratio Lower Upper
57 100
41 70.9 75.5 113.3#
43 177.4 181.7 272.5#
56 52.4 42.4 63.6





#27

Carbon Disulfide

Concen: 9.800 ppbv

RT: 4.55 min Scan# 548

Delta R.T. -0.00 min

Lab File: VL035491.D

Acq: 23 Aug 2020 8:13

Instrument :

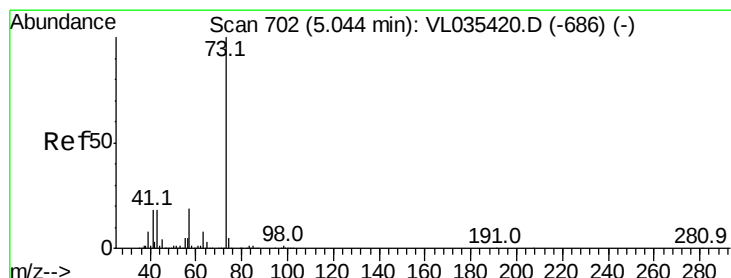
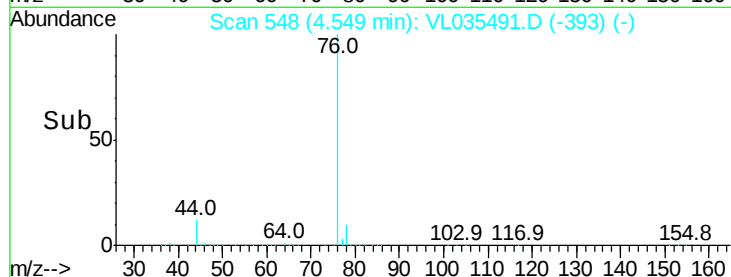
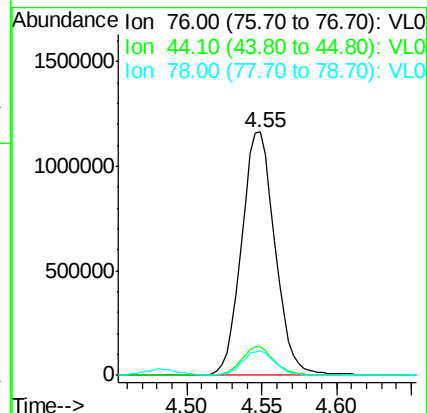
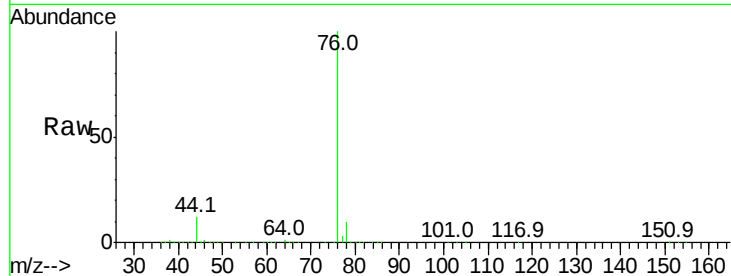
MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 76 Resp: 1805193

Ion	Ratio	Lower	Upper
76	100		
44	11.5	16.8	25.2#
78	9.8	7.3	10.9



#28

Methyl tert-Butyl Ether

Concen: 8.601 ppbv

RT: 5.03 min Scan# 699

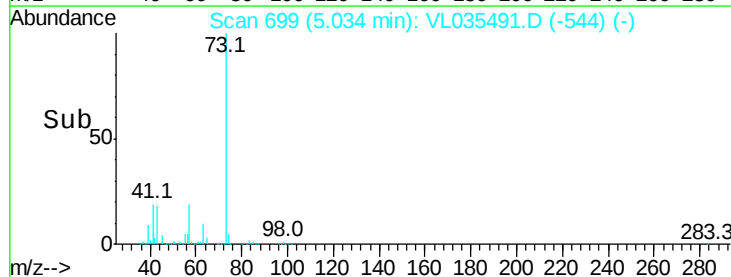
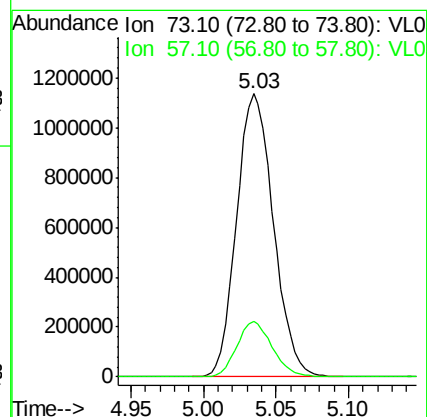
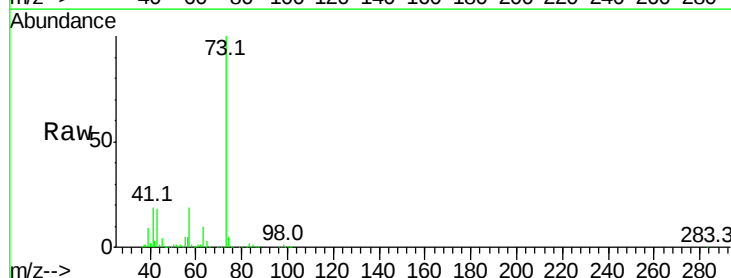
Delta R.T. -0.00 min

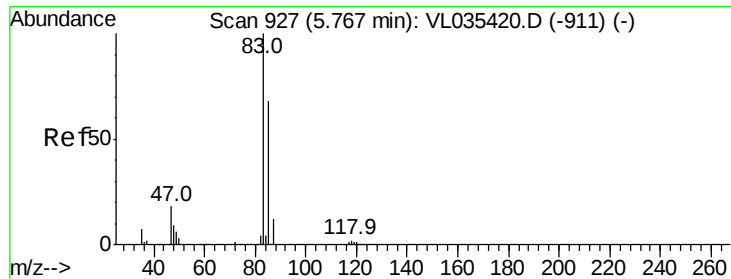
Lab File: VL035491.D

Acq: 23 Aug 2020 8:13

Tgt Ion: 73 Resp: 2002245

Ion	Ratio	Lower	Upper
73	100		
57	18.9	18.3	27.5





#29

Chloroform

Concen: 8.742 ppbv

RT: 5.75 min Scan# 923

Delta R.T. -0.01 min

Lab File: VL035491.D

Acq: 23 Aug 2020 8:13

Instrument :

MSVOA_L

ClientSampleId :

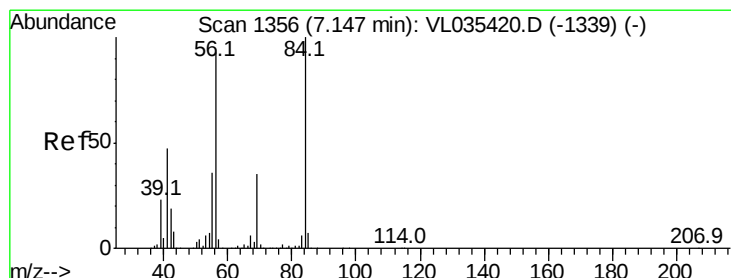
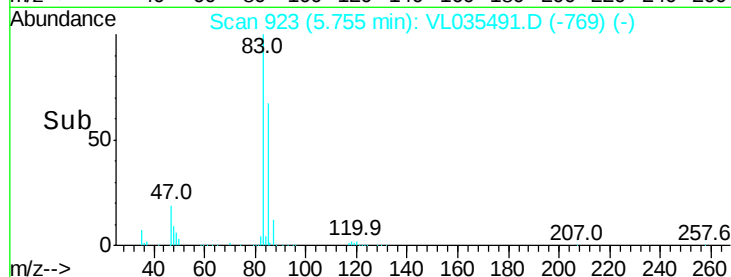
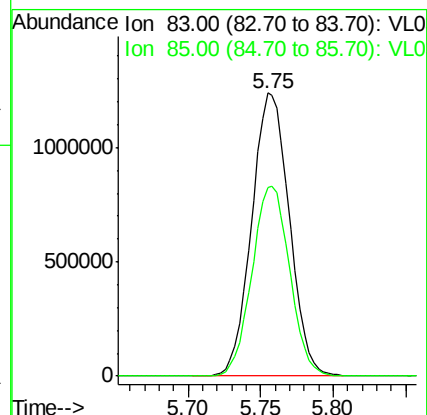
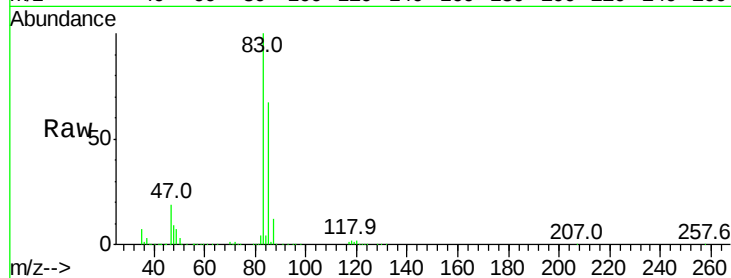
VSTDICCC010

Tgt Ion: 83 Resp: 2238361

Ion Ratio Lower Upper

83 100

85 66.4 52.7 79.1



#30

Cyclohexane

Concen: 8.976 ppbv

RT: 7.13 min Scan# 1352

Delta R.T. -0.00 min

Lab File: VL035491.D

Acq: 23 Aug 2020 8:13

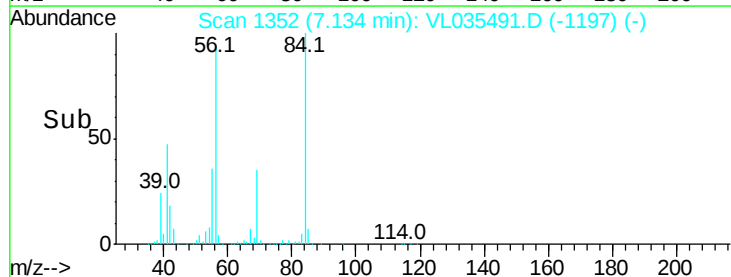
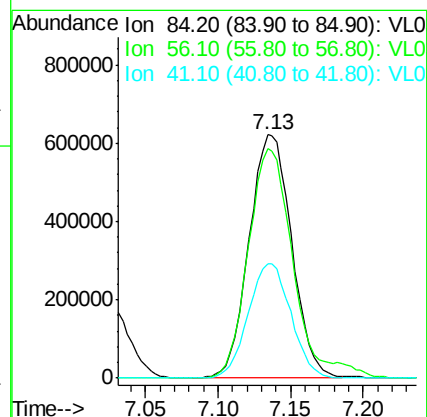
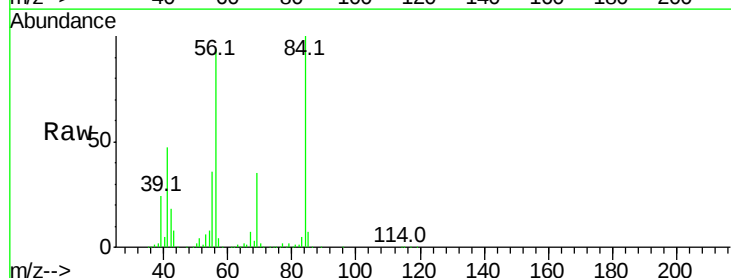
Tgt Ion: 84 Resp: 1269038

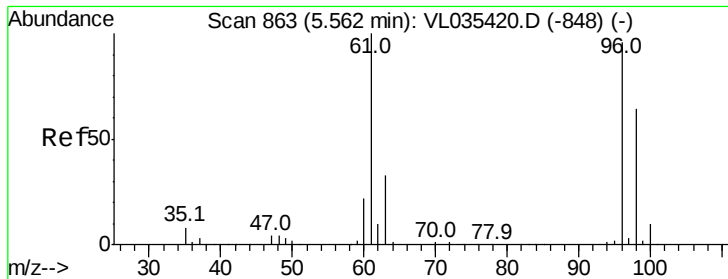
Ion Ratio Lower Upper

84 100

56 99.9 114.9 172.3#

41 47.0 72.3 108.5#





#31

cis-1,2-Dichloroethene

Concen: 8.852 ppbv

RT: 5.55 min Scan# 860

Delta R.T. -0.00 min

Lab File: VL035491.D

Acq: 23 Aug 2020 8:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

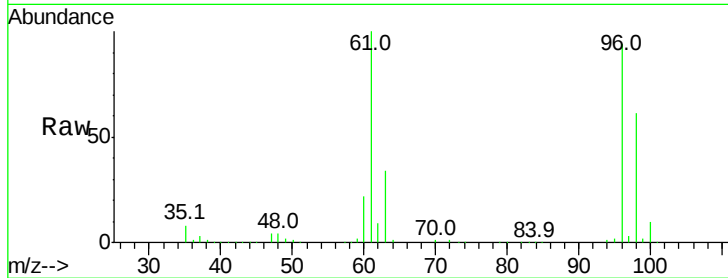
Tgt Ion: 61 Resp: 1186334

Ion Ratio Lower Upper

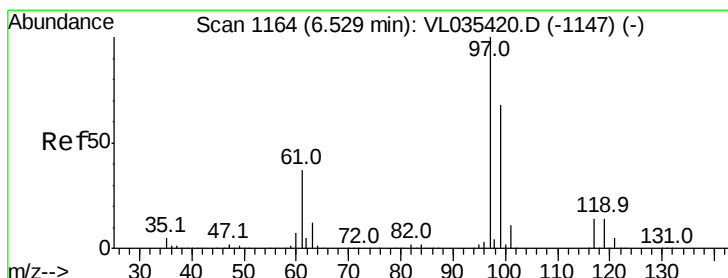
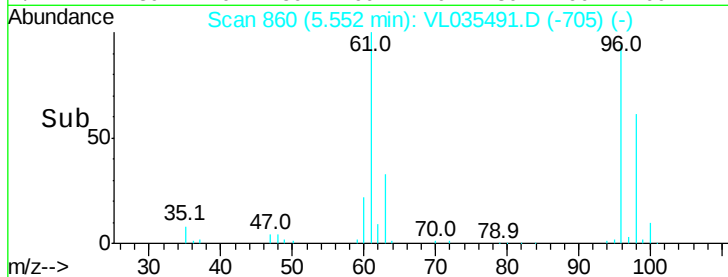
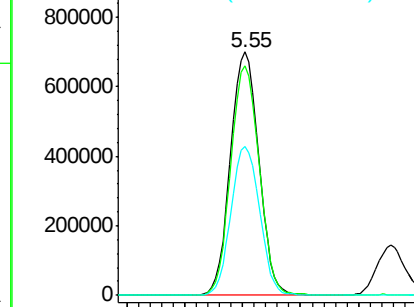
61 100

96 94.4 51.4 77.0#

98 61.1 32.9 49.3#



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



#32

1,1,1-Trichloroethane

Concen: 9.448 ppbv

RT: 6.52 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VL035491.D

Acq: 23 Aug 2020 8:13

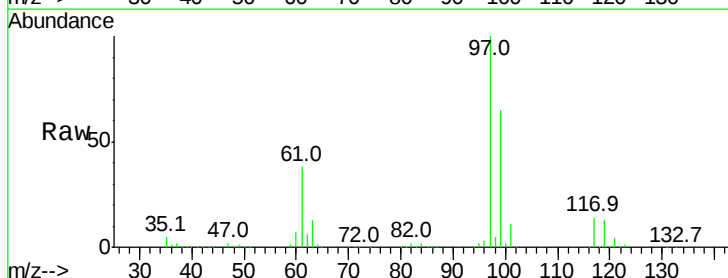
Tgt Ion: 97 Resp: 2267195

Ion Ratio Lower Upper

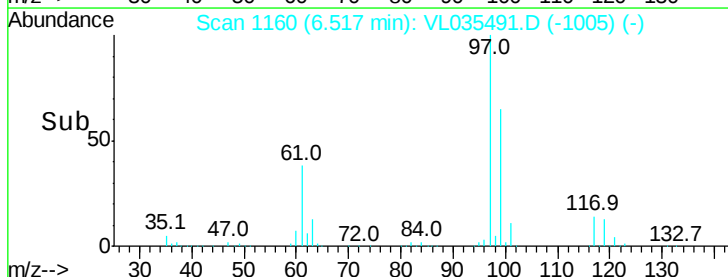
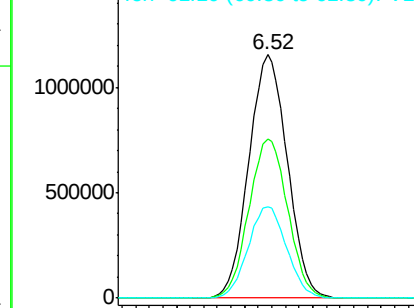
97 100

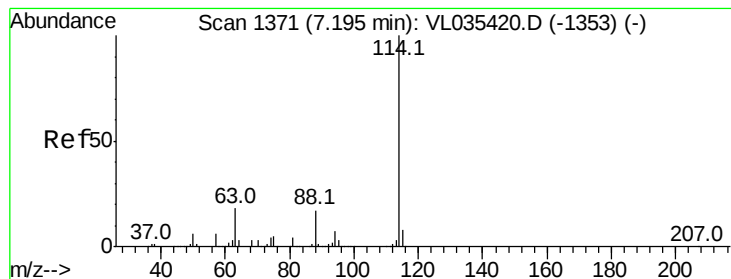
99 65.9 51.4 77.0

61 37.7 41.0 61.6#



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





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. -0.01 min

Lab File: VL035491.D

Acq: 23 Aug 2020 8:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

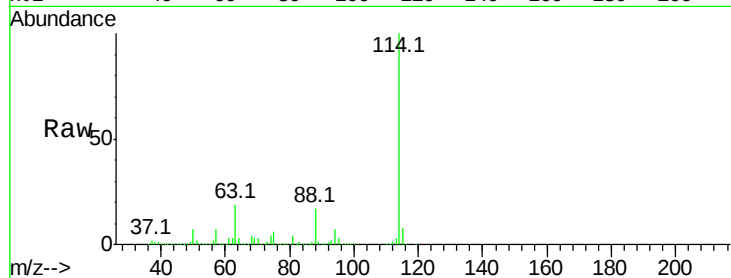
Tgt Ion:114 Resp: 4606236

Ion Ratio Lower Upper

114 100

63 17.9 23.1 34.7#

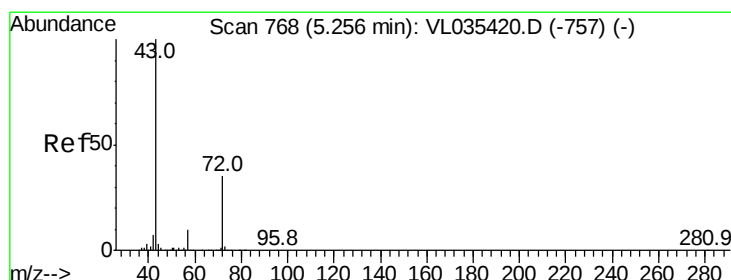
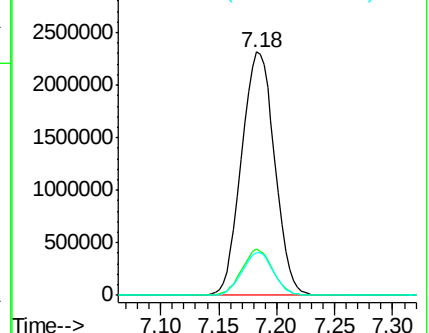
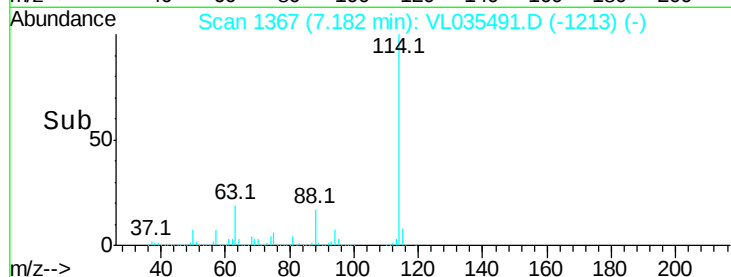
88 16.5 15.9 23.9



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 8.535 ppbv

RT: 5.25 min Scan# 765

Delta R.T. -0.00 min

Lab File: VL035491.D

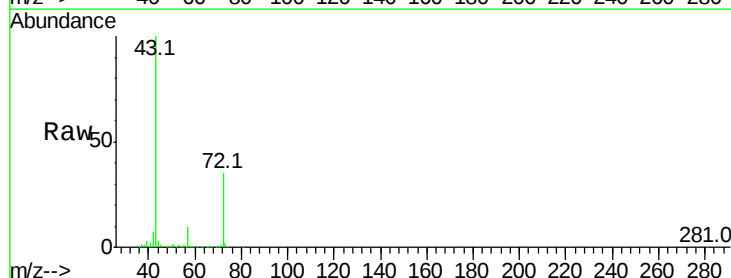
Acq: 23 Aug 2020 8:13

Tgt Ion: 43 Resp: 1313456

Ion Ratio Lower Upper

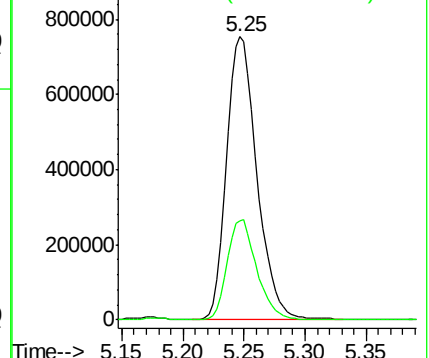
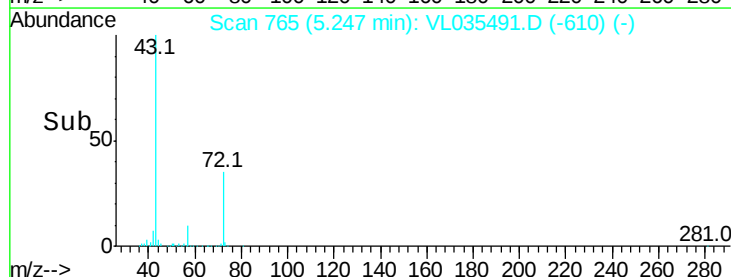
43 100

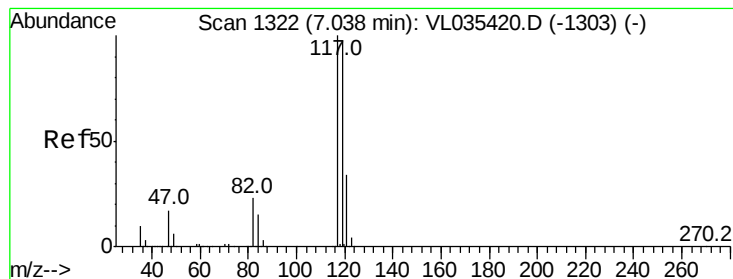
72 34.5 17.6 26.4#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.902 ppbv

RT: 7.02 min Scan# 1318

Delta R.T. -0.00 min

Lab File: VL035491.D

Acq: 23 Aug 2020 8:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

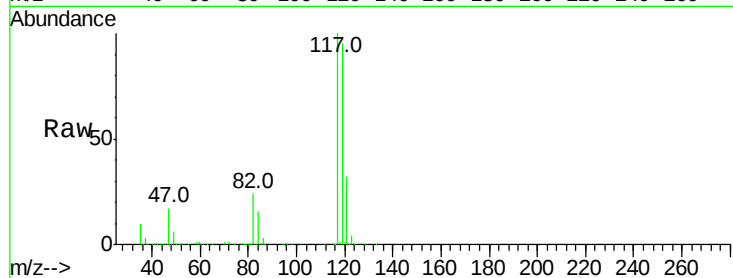
Tgt Ion:117 Resp: 2425880

Ion Ratio Lower Upper

117 100

119 94.5 76.1 114.1

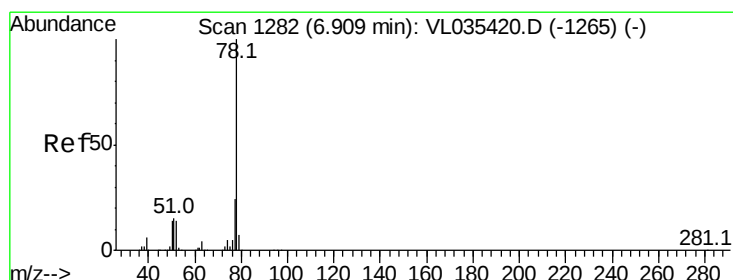
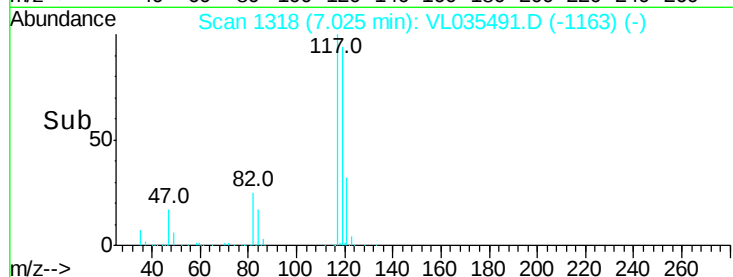
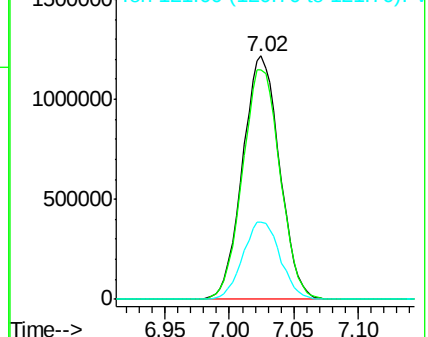
121 32.0 25.5 38.3



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: 8.601 ppbv

RT: 6.90 min Scan# 1279

Delta R.T. -0.00 min

Lab File: VL035491.D

Acq: 23 Aug 2020 8:13

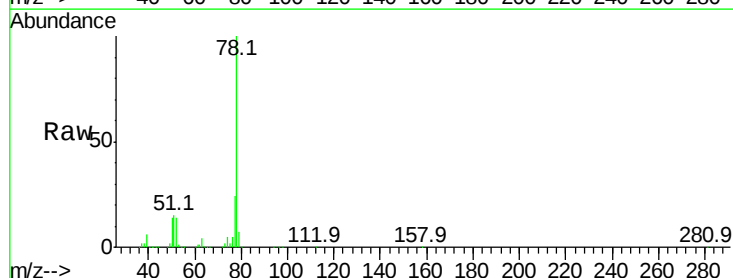
Tgt Ion: 78 Resp: 2907650

Ion Ratio Lower Upper

78 100

77 24.0 19.6 29.4

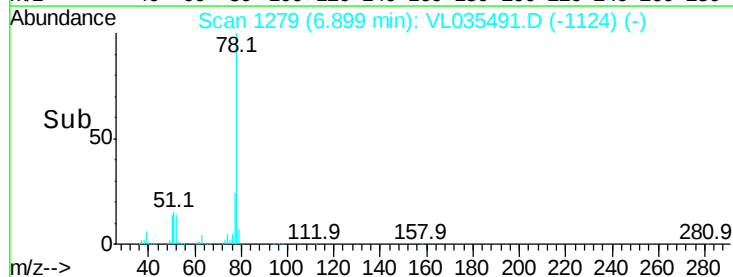
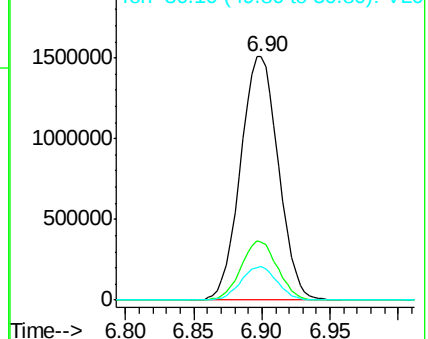
50 13.7 16.3 24.5#

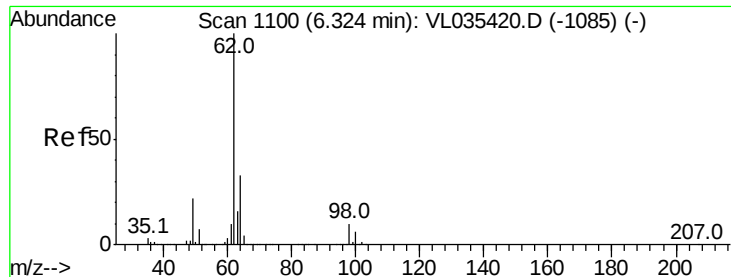


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 8.778 ppbv

RT: 6.31 min Scan# 1096

Delta R.T. -0.01 min

Lab File: VL035491.D

Acq: 23 Aug 2020 8:13

Instrument :

MSVOA_L

ClientSampleId :

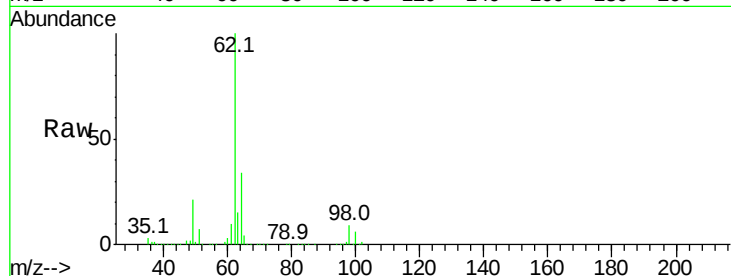
VSTDICCC010

Tgt Ion: 62 Resp: 1356207

Ion Ratio Lower Upper

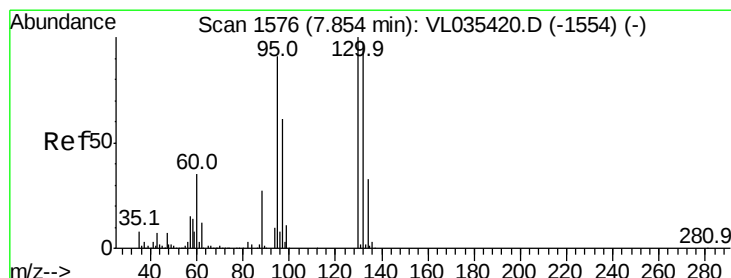
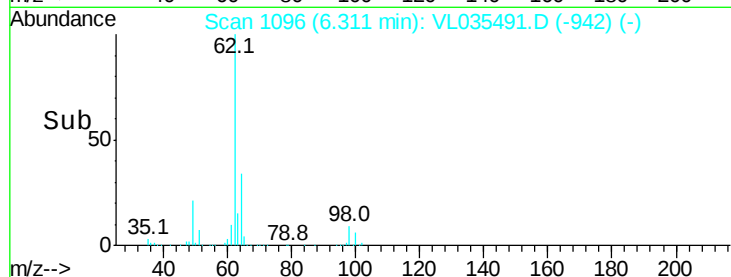
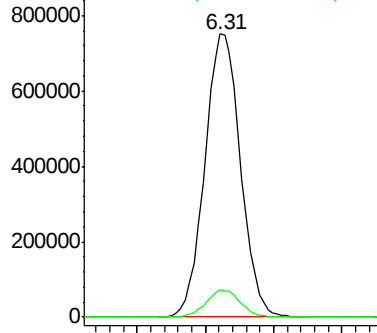
62 100

98 9.3 4.6 7.0#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 8.406 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. -0.01 min

Lab File: VL035491.D

Acq: 23 Aug 2020 8:13

Tgt Ion: 130 Resp: 1580707

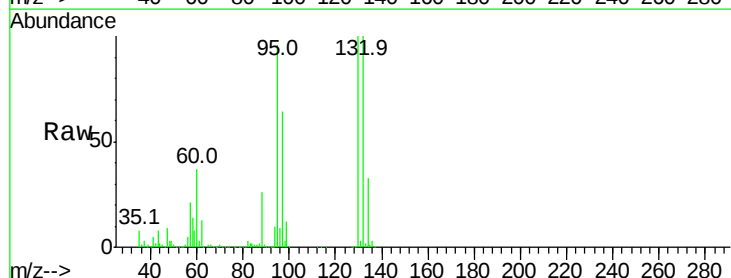
Ion Ratio Lower Upper

130 100

95 96.1 95.8 143.8

132 100.3 74.3 111.5

97 64.0 62.6 94.0

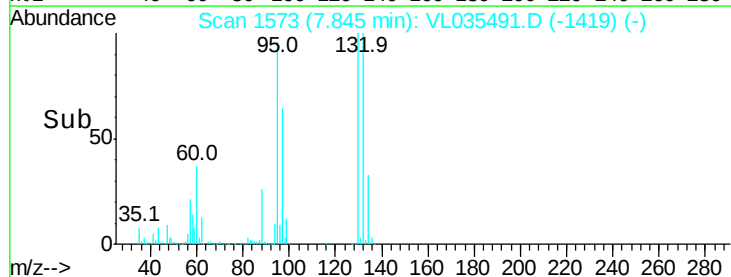
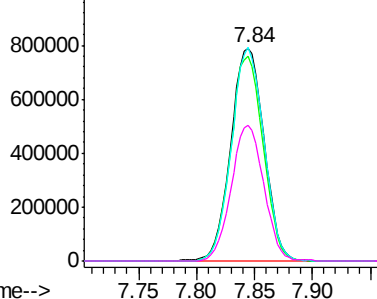


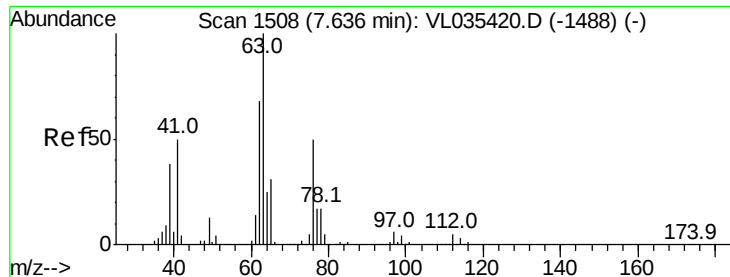
Abundance Ion 130.00 (129.70 to 130.70): V

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





#39

1,2-Dichloropropane

Concen: 8.630 ppbv

RT: 7.62 min Scan# 1504

Delta R.T. -0.00 min

Lab File: VL035491.D

Acq: 23 Aug 2020 8:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

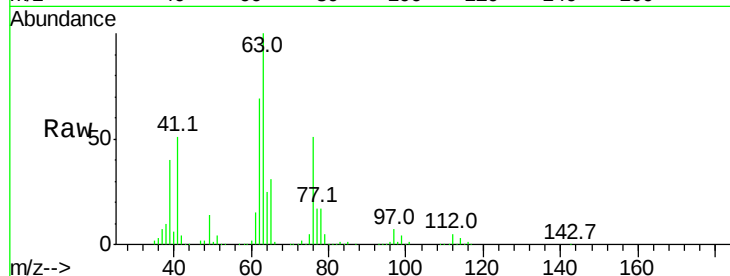
Tgt Ion: 63 Resp: 961531

Ion Ratio Lower Upper

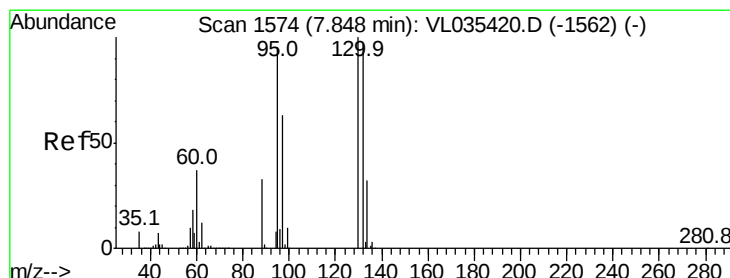
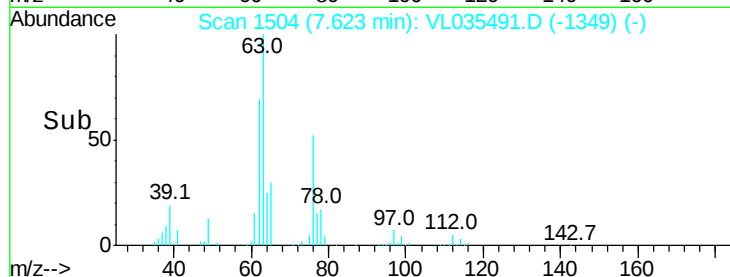
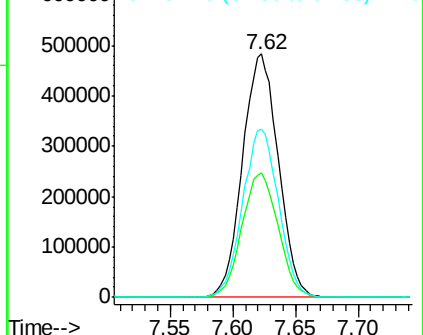
63 100

41 51.1 61.1 91.7#

62 69.1 55.3 82.9



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 8.876 ppbv

RT: 7.84 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VL035491.D

Acq: 23 Aug 2020 8:13

Tgt Ion: 88 Resp: 538732

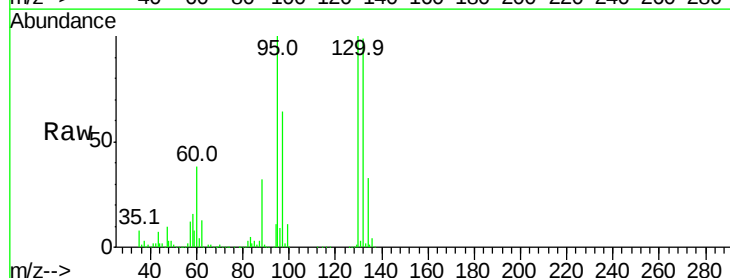
Ion Ratio Lower Upper

88 100

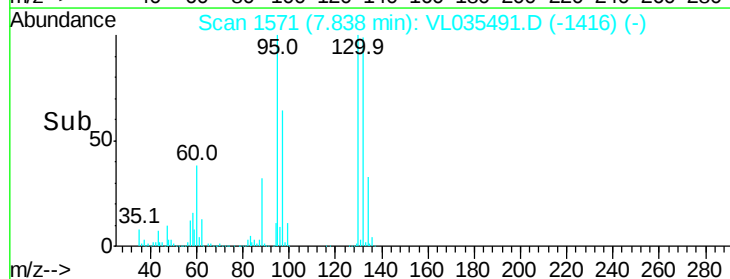
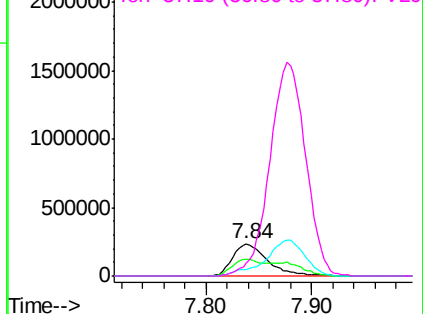
58 85.1 106.6 160.0#

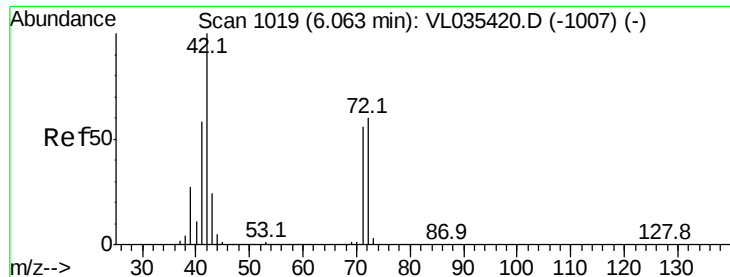
43 126.2 209.7 314.5#

57 683.1 873.3 1309.9#



Abundance Ion 88.10 (87.80 to 88.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 8.866 ppbv

RT: 6.05 min Scan# 1015

Delta R.T. -0.01 min

Lab File: VL035491.D

Acq: 23 Aug 2020 8:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

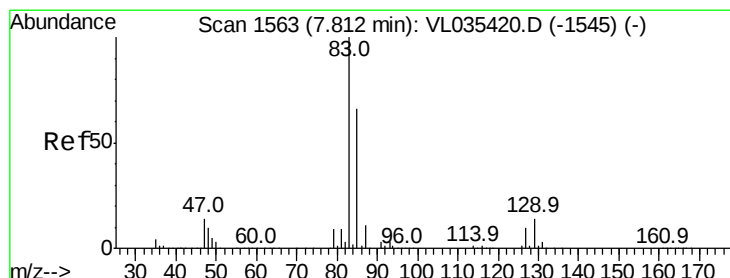
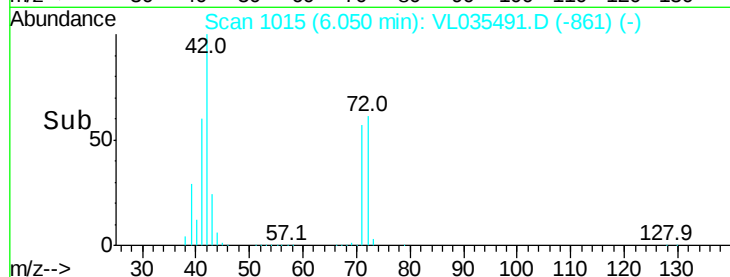
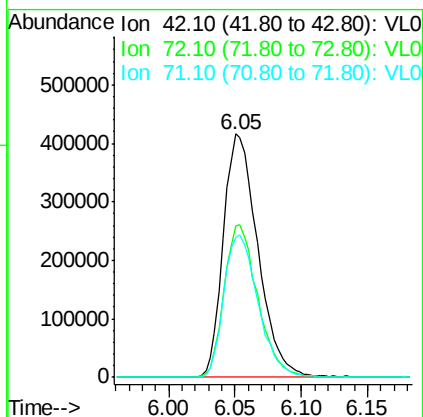
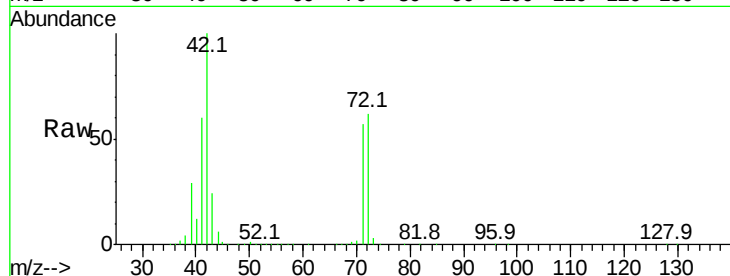
Tgt Ion: 42 Resp: 752666

Ion Ratio Lower Upper

42 100

72 61.4 29.4 44.2#

71 58.4 28.9 43.3#



#42

Bromodichloromethane

Concen: 9.245 ppbv

RT: 7.80 min Scan# 1559

Delta R.T. -0.01 min

Lab File: VL035491.D

Acq: 23 Aug 2020 8:13

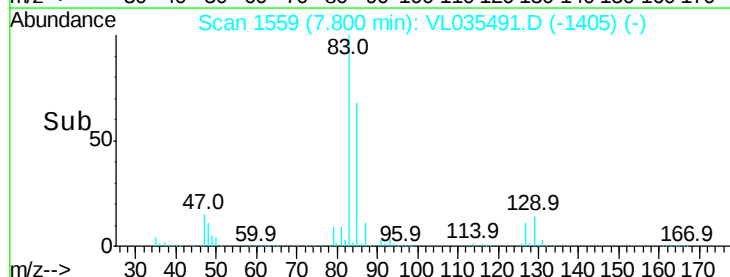
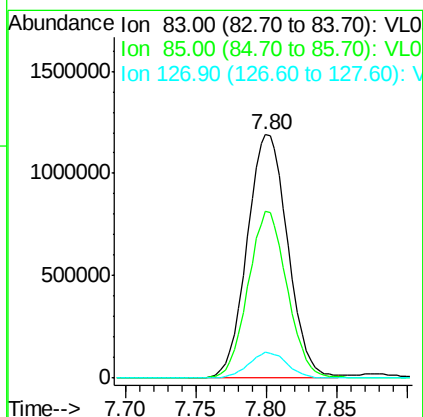
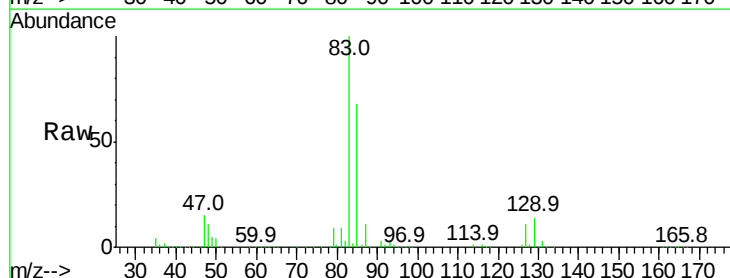
Tgt Ion: 83 Resp: 2390263

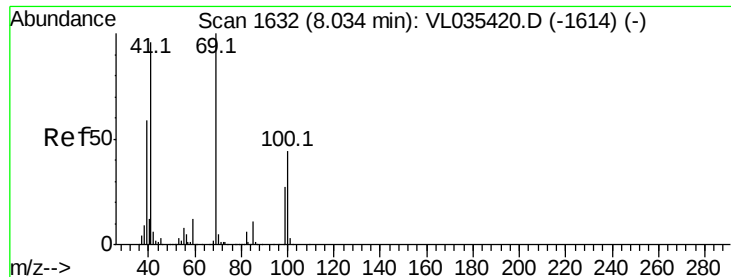
Ion Ratio Lower Upper

83 100

85 68.5 54.8 82.2

127 10.8 6.1 9.1#

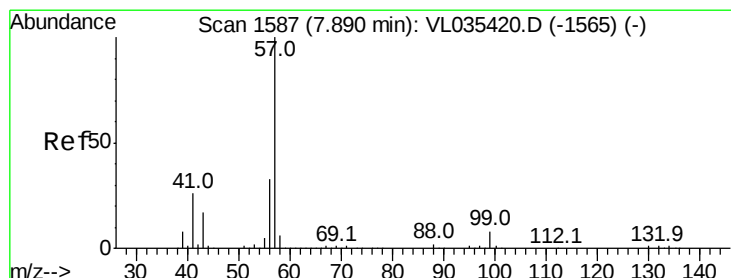
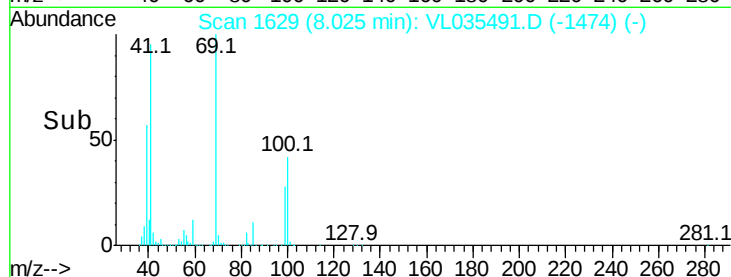
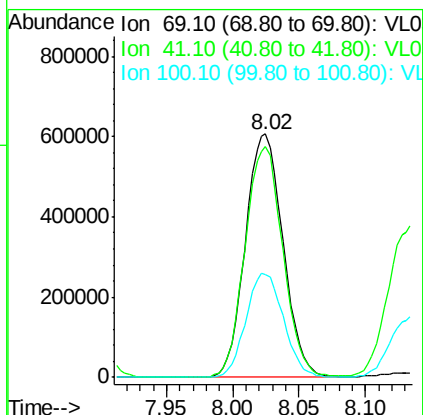
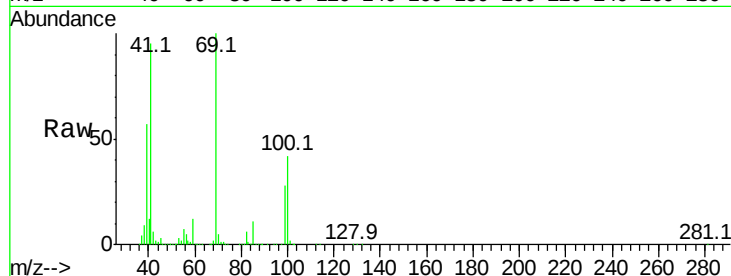




#43
Methyl Methacrylate
Concen: 9.049 ppbv
RT: 8.02 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

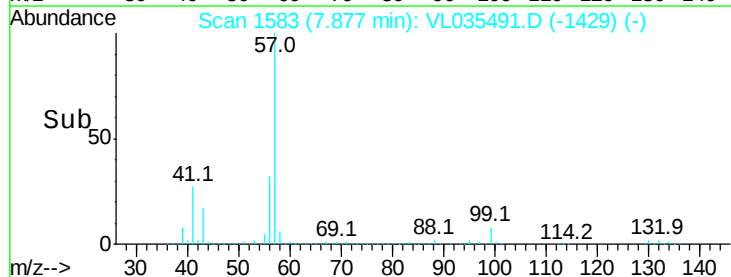
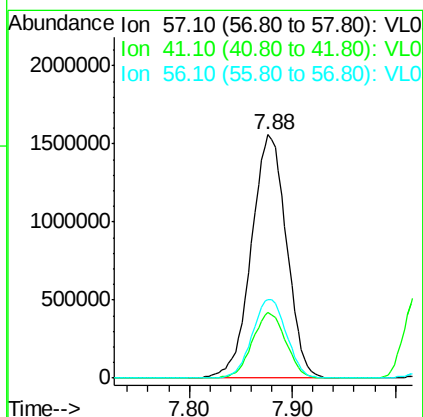
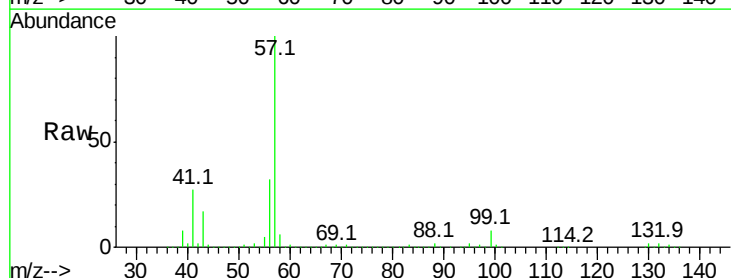
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

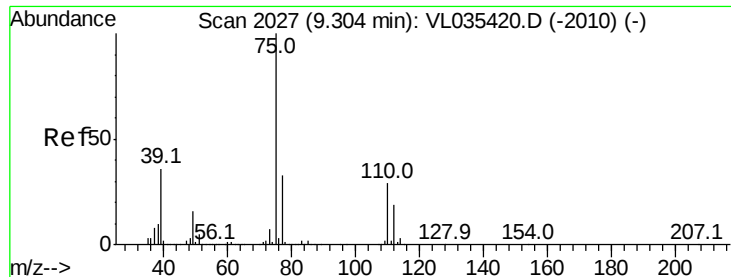
Tgt Ion: 69 Resp: 1196310
Ion Ratio Lower Upper
69 100
41 95.1 123.4 185.0#
100 42.8 24.2 36.4#



#44
2,2,4-Trimethylpentane
Concen: 8.329 ppbv
RT: 7.88 min Scan# 1583
Delta R.T. -0.01 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Tgt Ion: 57 Resp: 3677023
Ion Ratio Lower Upper
57 100
41 25.9 27.2 40.8#
56 31.6 25.4 38.0





#45

t-1,3-Dichloropropene

Concen: 10.238 ppbv

RT: 9.29 min Scan# 2023

Delta R.T. -0.00 min

Lab File: VL035491.D

Acq: 23 Aug 2020 8:13

Instrument :

MSVOA_L

ClientSampleId :

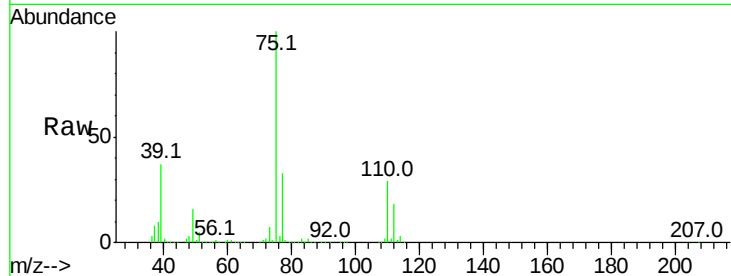
VSTDICCC010

Tgt Ion: 75 Resp: 1394255

Ion Ratio Lower Upper

75 100

77 33.2 25.0 37.6



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.29

800000

600000

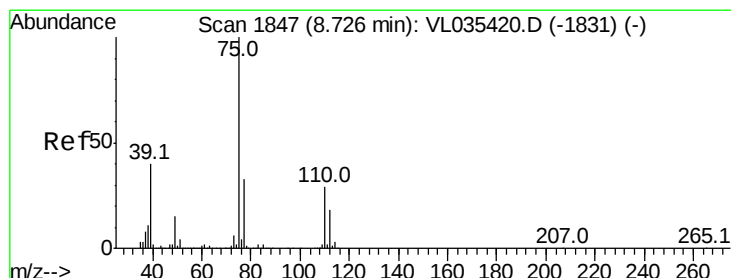
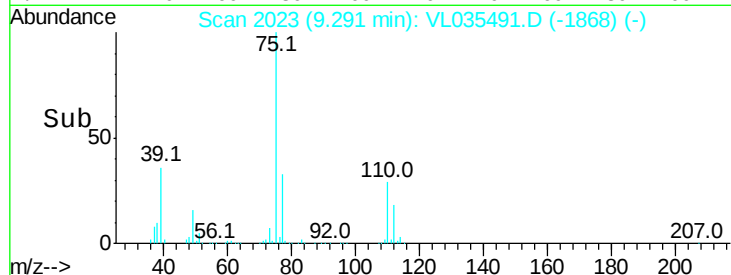
400000

200000

0

9.20 9.25 9.30 9.35 9.40

Time-->



#46

cis-1,3-Dichloropropene

Concen: 9.685 ppbv

RT: 8.71 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VL035491.D

Acq: 23 Aug 2020 8:13

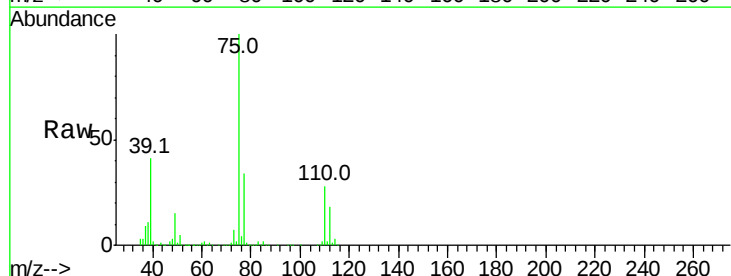
Tgt Ion: 75 Resp: 1643056

Ion Ratio Lower Upper

75 100

39 41.5 55.8 83.6#

77 33.9 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

8.71

1000000

800000

600000

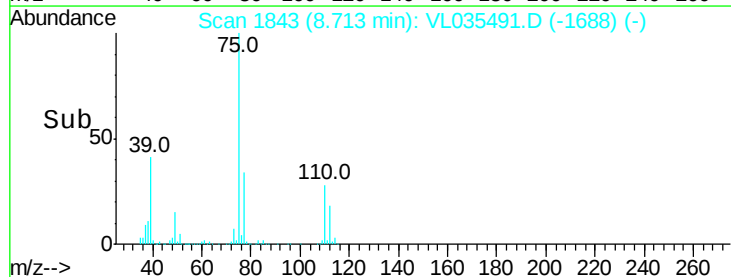
400000

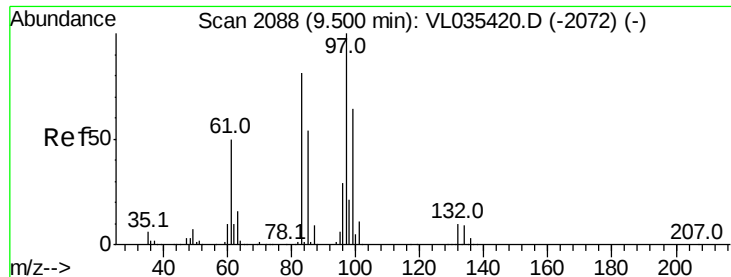
200000

0

8.65 8.70 8.75 8.80

Time-->



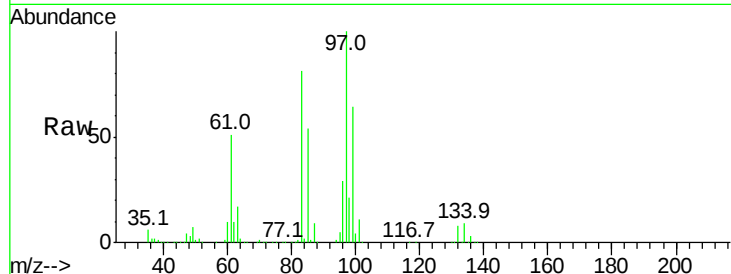


#47
 1,1,2-Trichloroethane
 Concen: 8.726 ppbv
 RT: 9.49 min Scan# 2084
 Delta R.T. -0.01 min
 Lab File: VL035491.D
 Acq: 23 Aug 2020 8:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 97 Resp: 1452248

Ion	Ratio	Lower	Upper
97	100		
83	81.1	72.1	108.1
85	53.9	46.8	70.2
99	64.4	48.6	73.0

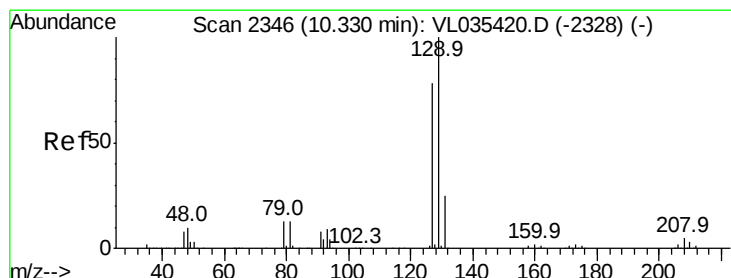
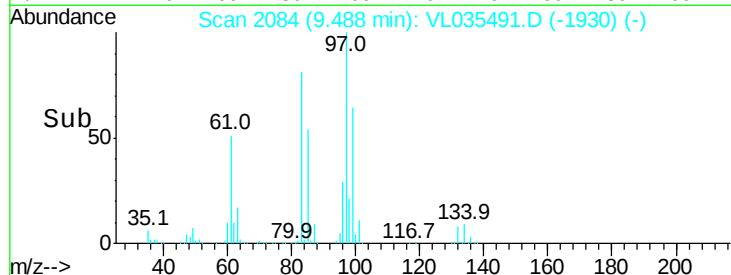
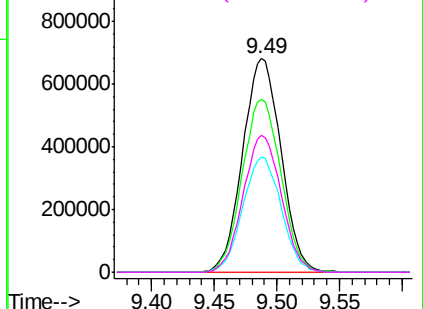


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

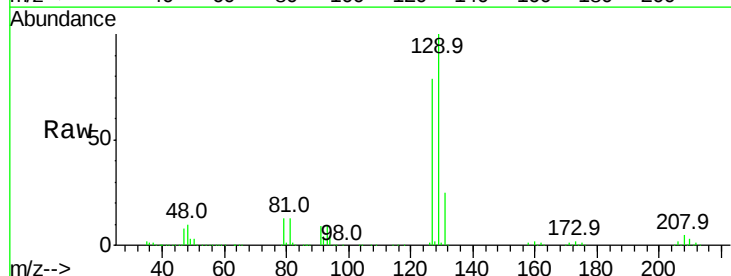
Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 9.322 ppbv
 RT: 10.32 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VL035491.D
 Acq: 23 Aug 2020 8:13

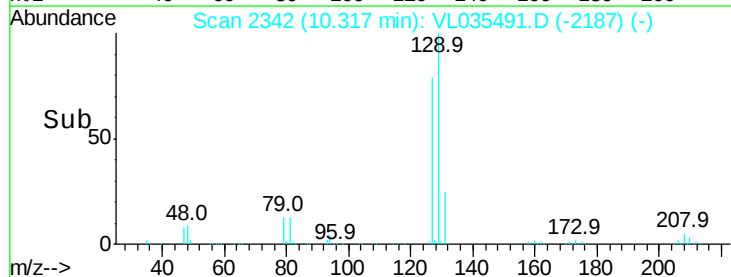
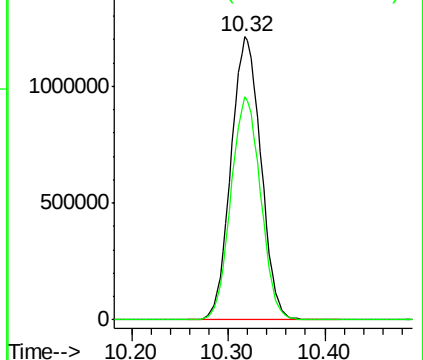
Tgt Ion: 129 Resp: 2602433

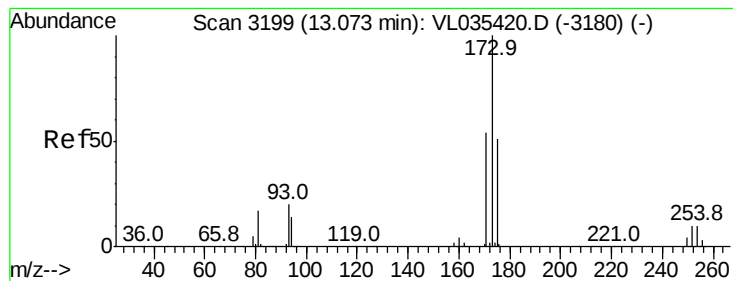
Ion	Ratio	Lower	Upper
129	100		
127	78.3	39.5	118.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 9.394 ppbv

RT: 13.06 min Scan# 3195

Delta R.T. -0.00 min

Lab File: VL035491.D

Acq: 23 Aug 2020 8:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

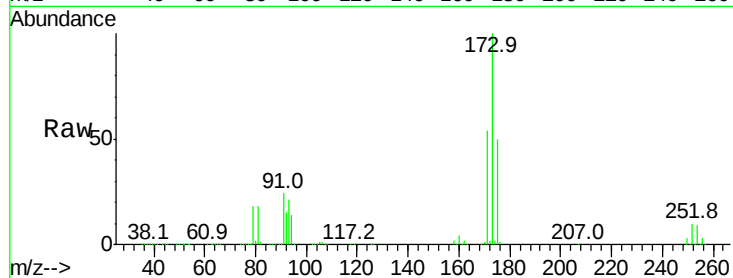
Tgt Ion:173 Resp: 2526629

Ion Ratio Lower Upper

173 100

175 50.3 39.8 59.8

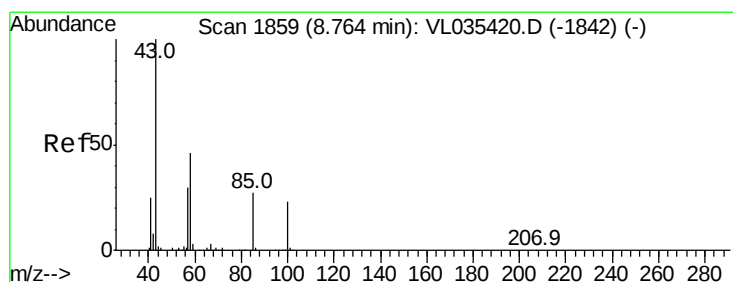
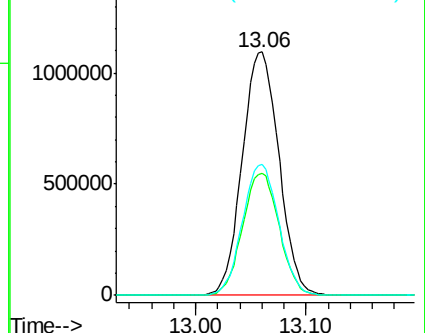
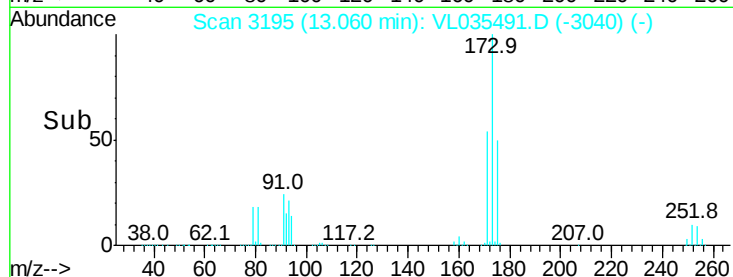
171 53.4 42.4 63.6



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: 8.792 ppbv

RT: 8.75 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VL035491.D

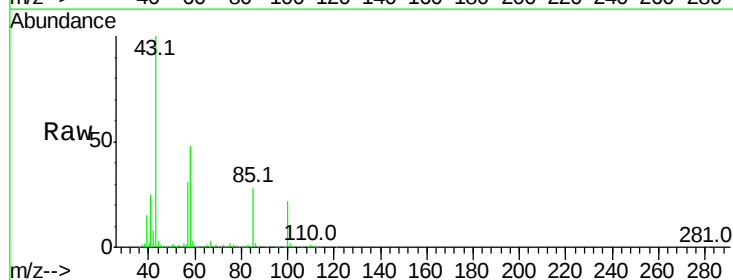
Acq: 23 Aug 2020 8:13

Tgt Ion: 43 Resp: 1940998

Ion Ratio Lower Upper

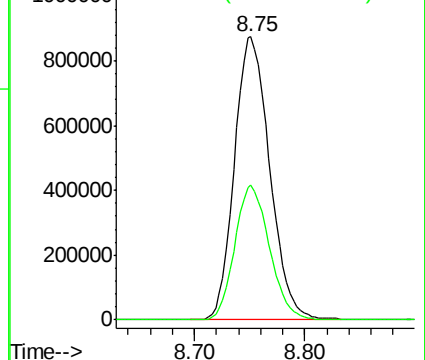
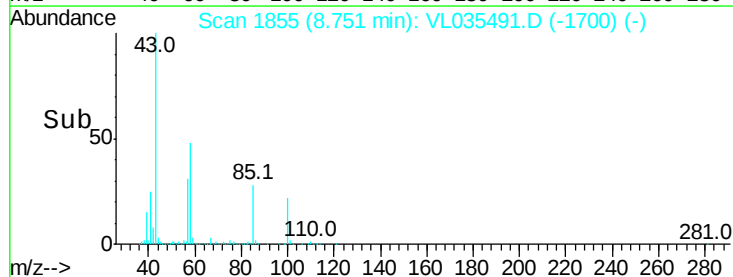
43 100

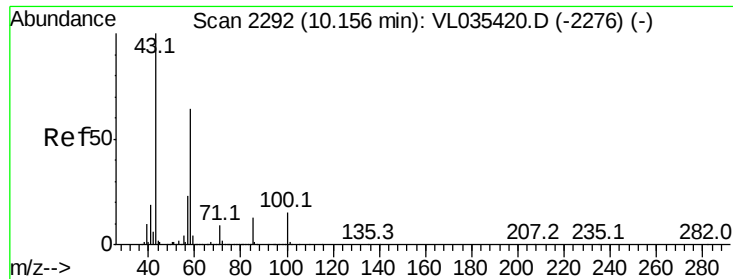
58 46.8 28.7 43.1#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

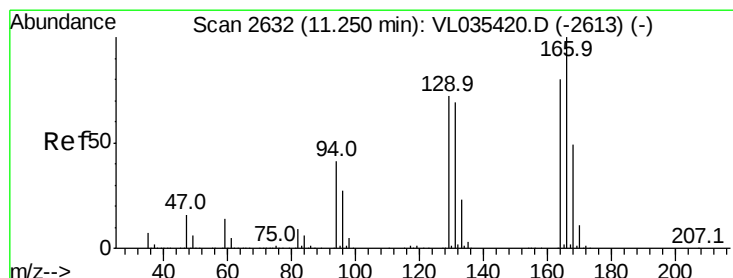
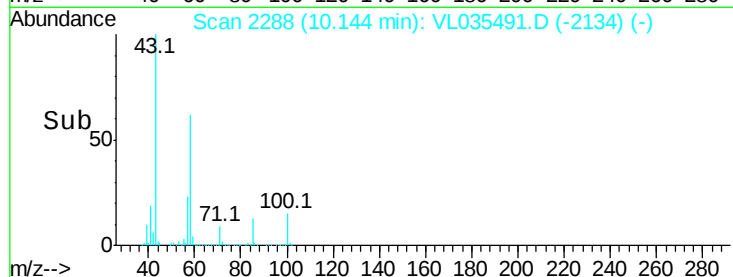
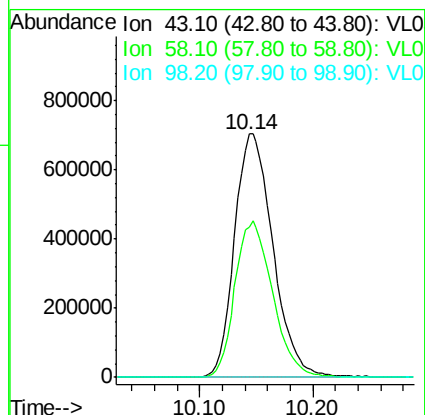
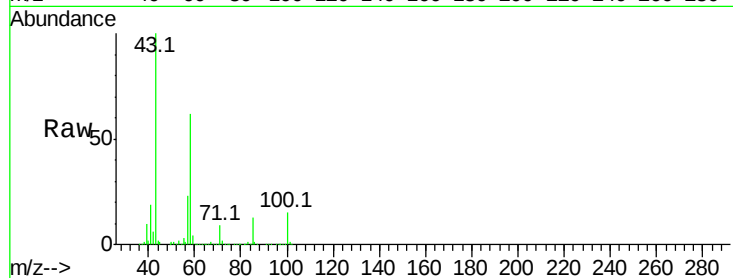




#51
2-Hexanone
Concen: 8.946 ppbv
RT: 10.14 min Scan# 2288
Delta R.T. -0.01 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

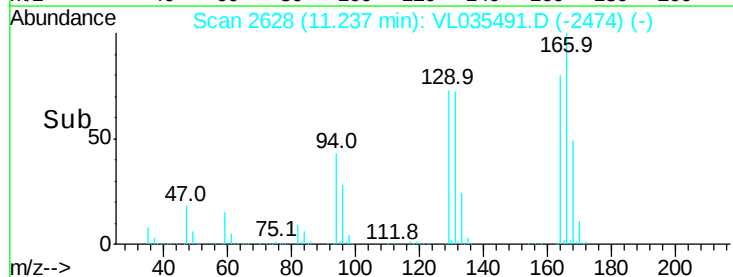
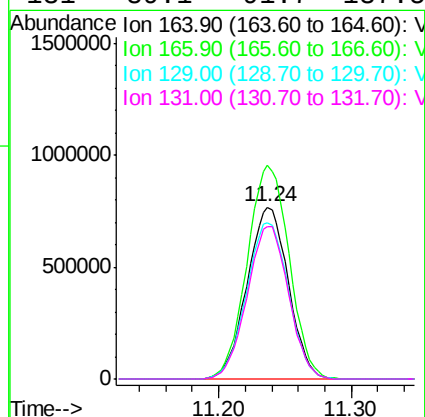
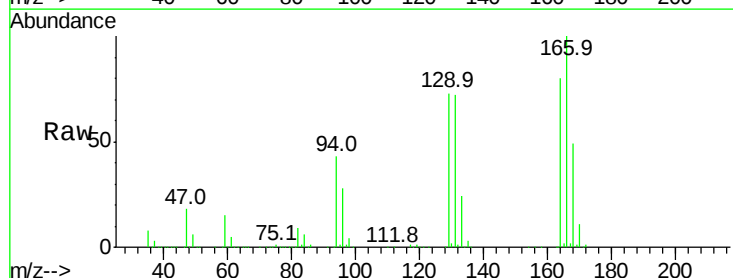
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

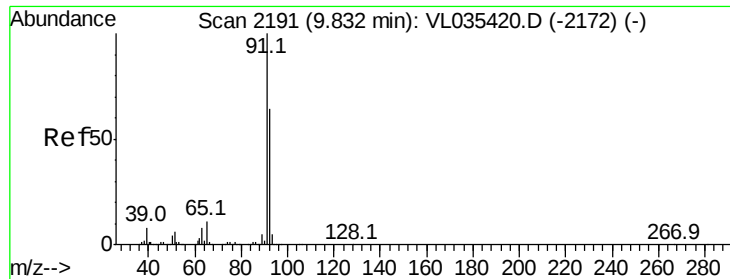
Tgt Ion: 43 Resp: 1664718
Ion Ratio Lower Upper
43 100
58 62.9 38.6 58.0#
98 0.5 0.2 0.2#



#52
Tetrachloroethene
Concen: 8.060 ppbv
RT: 11.24 min Scan# 2628
Delta R.T. -0.01 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Tgt Ion: 164 Resp: 1662106
Ion Ratio Lower Upper
164 100
166 124.5 103.4 155.0
129 91.0 90.2 135.4
131 89.1 91.7 137.5#





#53

Toluene

Concen: 8.606 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. -0.00 min

Lab File: VL035491.D

Acq: 23 Aug 2020 8:13

Instrument :

MSVOA_L

ClientSampleId :

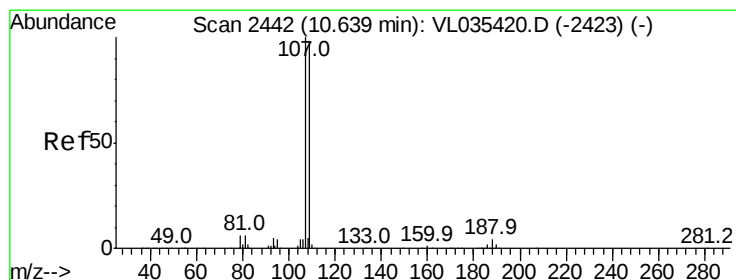
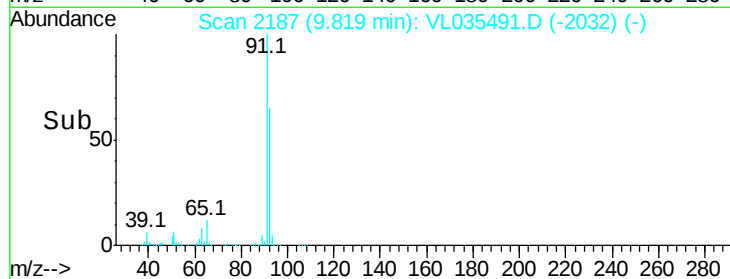
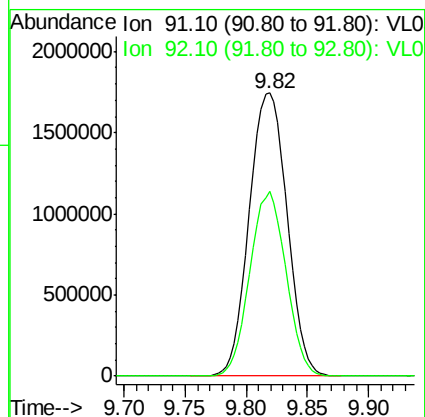
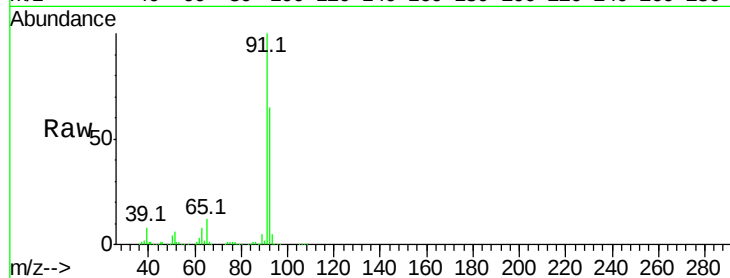
VSTDICCC010

Tgt Ion: 91 Resp: 3747382

Ion Ratio Lower Upper

91 100

92 62.4 49.1 73.7



#54

1,2-Dibromoethane

Concen: 8.688 ppbv

RT: 10.62 min Scan# 2437

Delta R.T. -0.01 min

Lab File: VL035491.D

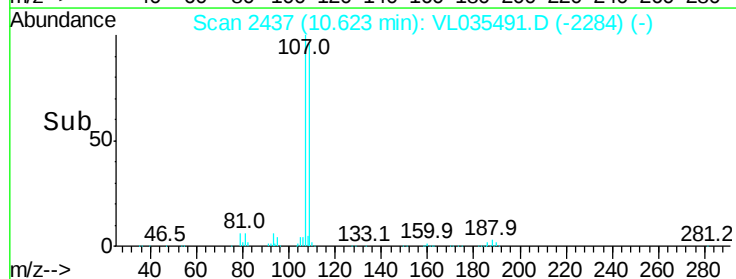
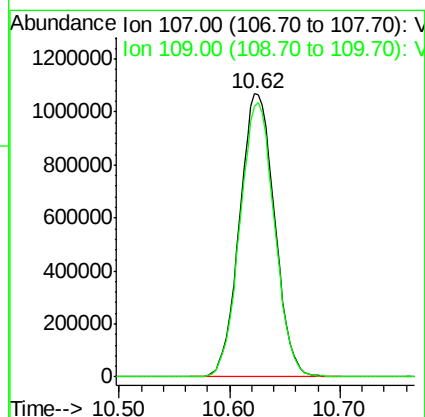
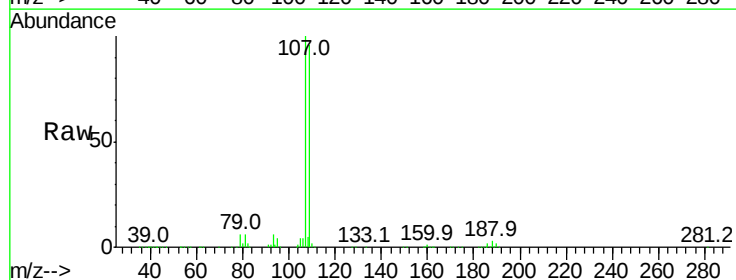
Acq: 23 Aug 2020 8:13

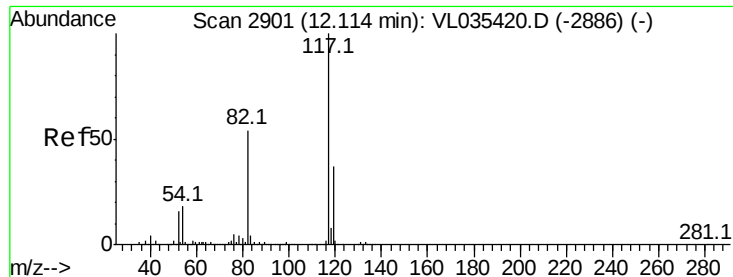
Tgt Ion: 107 Resp: 2348231

Ion Ratio Lower Upper

107 100

109 95.6 75.1 112.7

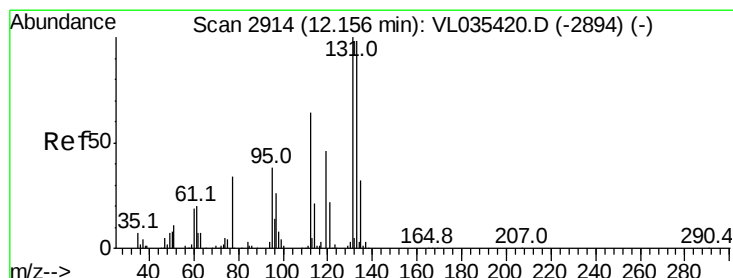
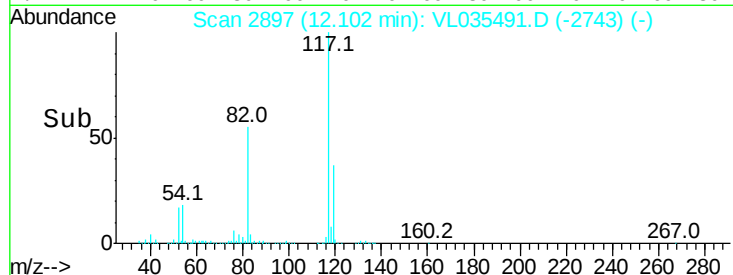
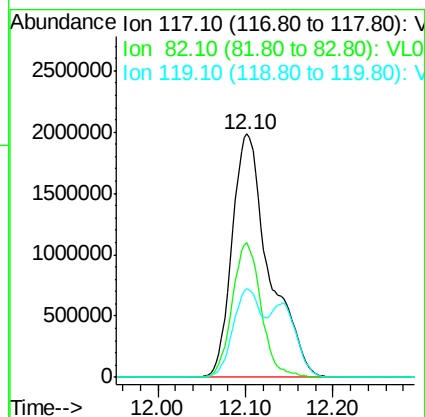
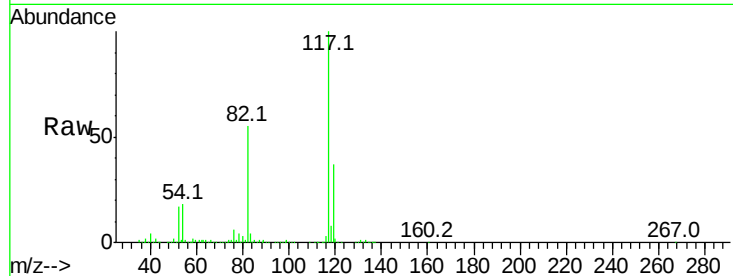




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.01 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

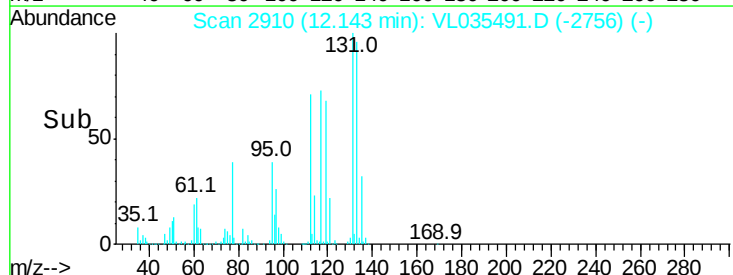
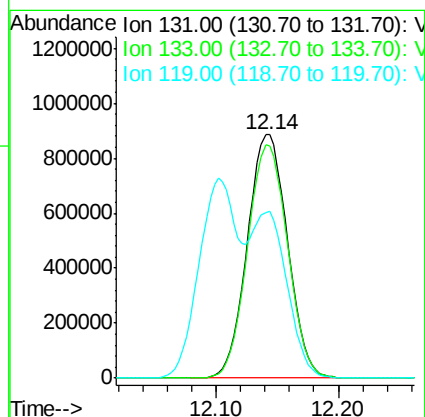
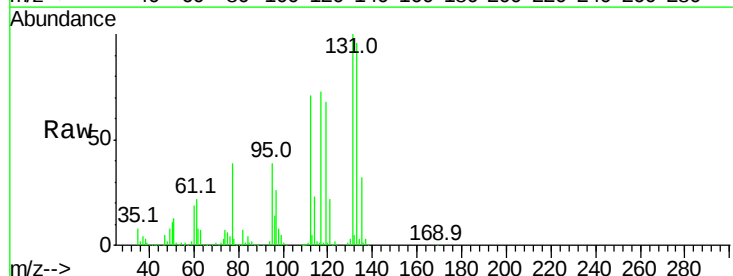
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

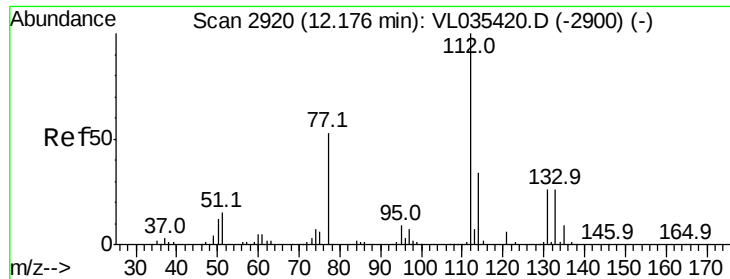
Tgt Ion:117 Resp: 5862759
Ion Ratio Lower Upper
117 100
82 43.1 57.4 86.0#
119 29.8 28.4 42.6



#56
1,1,1,2-Tetrachloroethane
Concen: 7.232 ppbv
RT: 12.14 min Scan# 2910
Delta R.T. -0.01 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Tgt Ion:131 Resp: 2011282
Ion Ratio Lower Upper
131 100
133 96.1 76.1 114.1
119 56.6 50.7 76.1

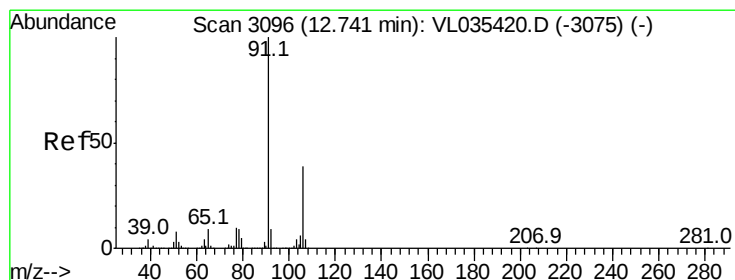
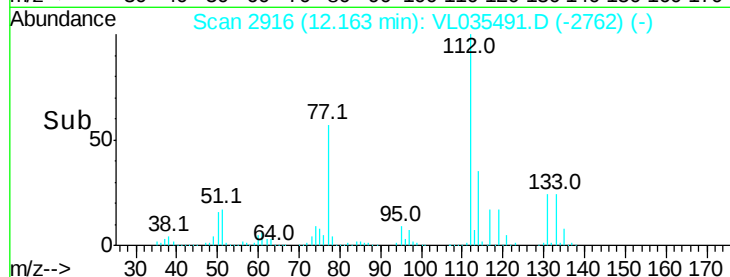
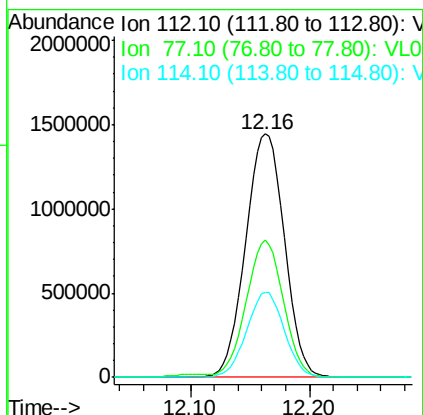
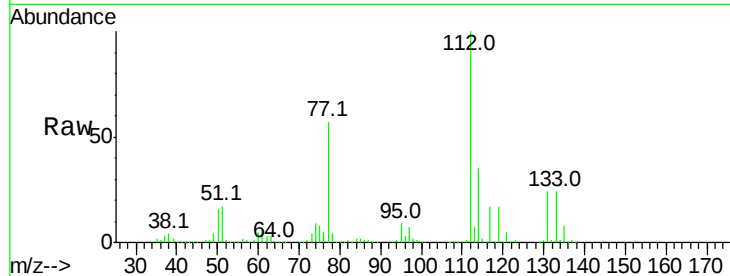




#57
Chlorobenzene
Concen: 6.664 ppbv
RT: 12.16 min Scan# 2916
Delta R.T. -0.01 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

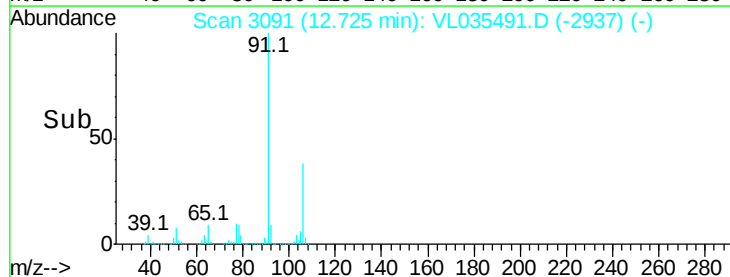
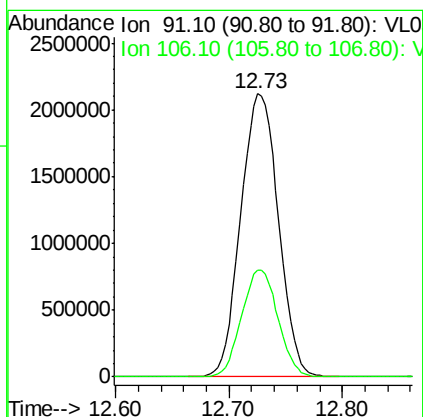
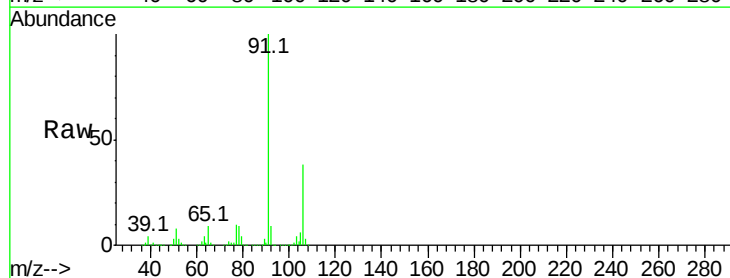
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

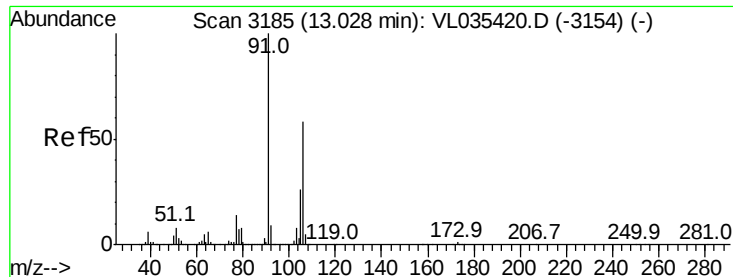
Tgt Ion: 112 Resp: 3261248
Ion Ratio Lower Upper
112 100
77 56.5 60.6 91.0#
114 35.1 28.5 34.9#



#58
Ethyl Benzene
Concen: 6.937 ppbv
RT: 12.73 min Scan# 3091
Delta R.T. -0.01 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Tgt Ion: 91 Resp: 4909329
Ion Ratio Lower Upper
91 100
106 37.7 24.1 36.1#

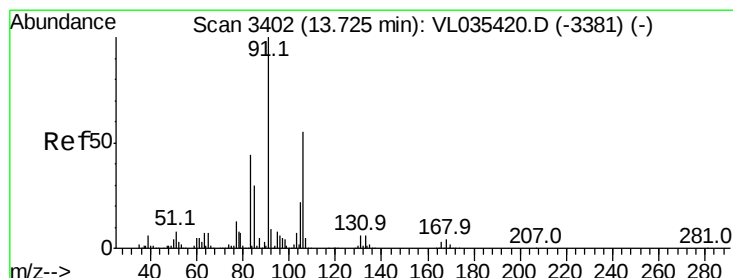
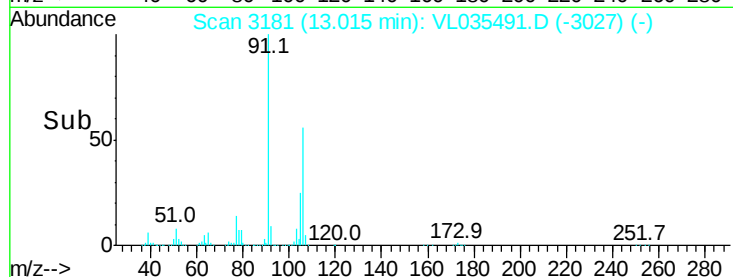
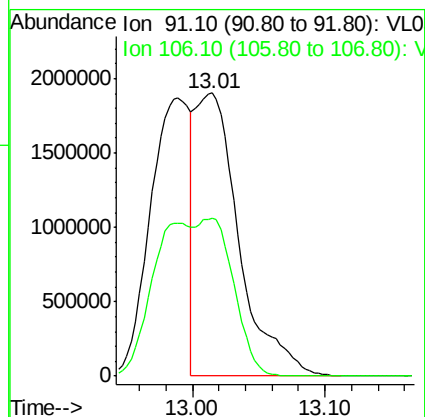
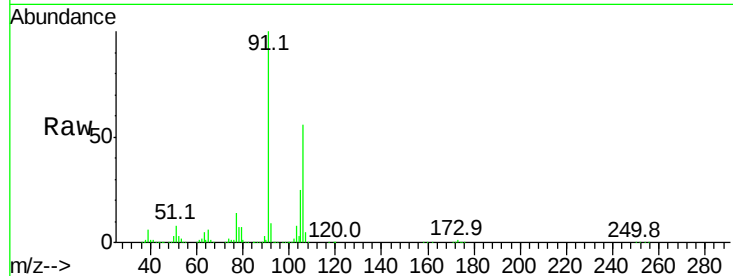




#59
m/p-Xylene
Concen: 7.243 ppbv
RT: 13.01 min Scan# 3181
Delta R.T. -0.01 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

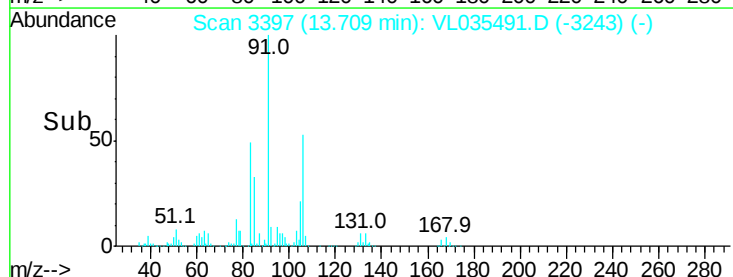
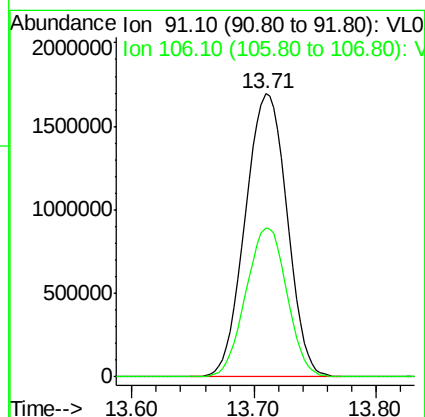
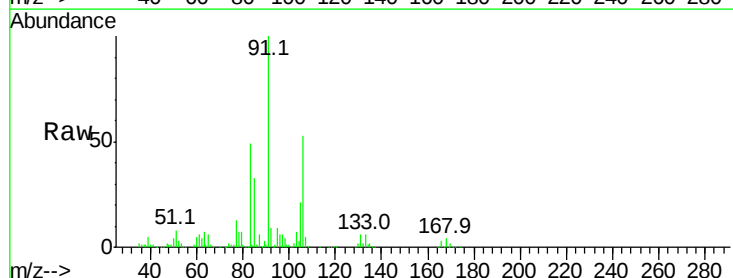
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

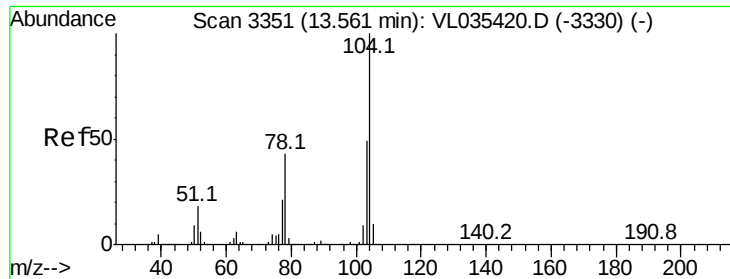
Tgt Ion: 91 Resp: 4333112
Ion Ratio Lower Upper
91 100
106 98.5 34.0 51.0#



#60
o-Xylene
Concen: 6.920 ppbv
RT: 13.71 min Scan# 3397
Delta R.T. -0.01 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Tgt Ion: 91 Resp: 4023610
Ion Ratio Lower Upper
91 100
106 51.8 21.8 65.3





#61

Styrene

Concen: 7.138 ppbv

RT: 13.55 min Scan# 3346

Delta R.T. -0.01 min

Lab File: VL035491.D

Acq: 23 Aug 2020 8:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

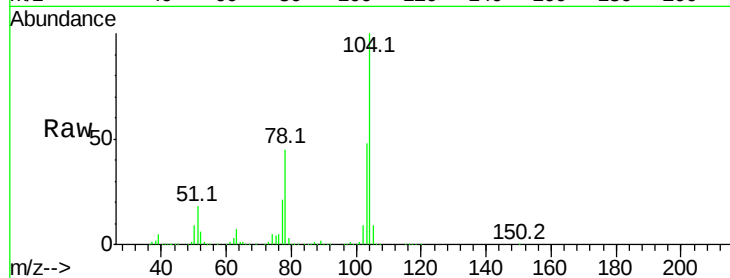
Tgt Ion:104 Resp: 3353586

Ion Ratio Lower Upper

104 100

78 43.4 45.4 68.2#

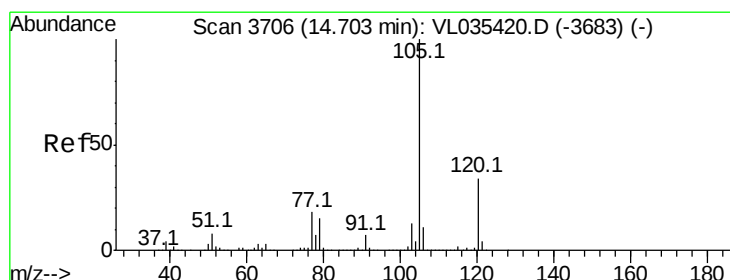
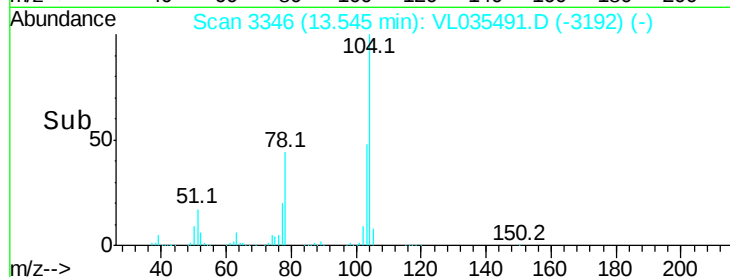
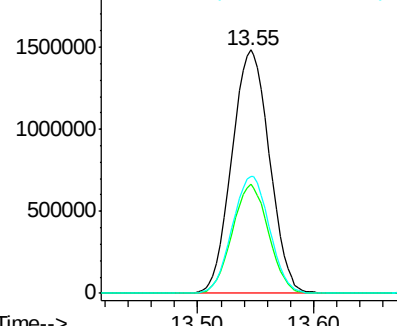
103 47.7 37.8 56.8



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): V

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 6.608 ppbv

RT: 14.69 min Scan# 3701

Delta R.T. -0.01 min

Lab File: VL035491.D

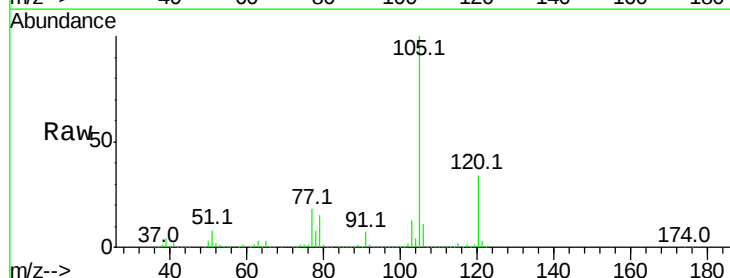
Acq: 23 Aug 2020 8:13

Tgt Ion:105 Resp: 6297181

Ion Ratio Lower Upper

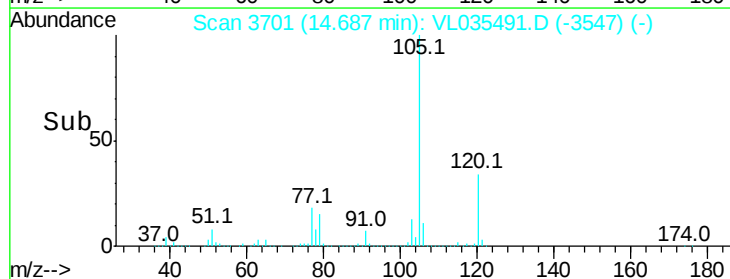
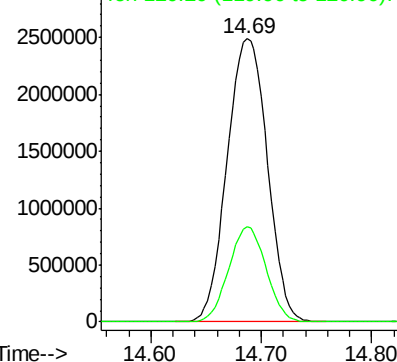
105 100

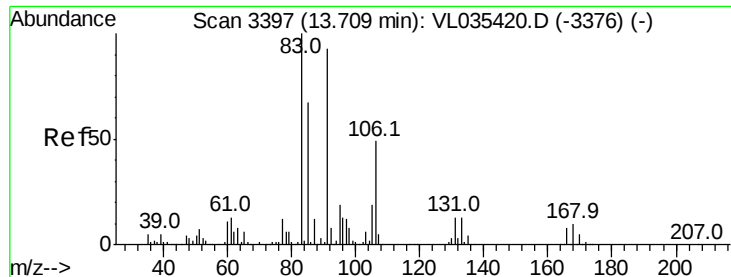
120 31.2 20.3 30.5#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



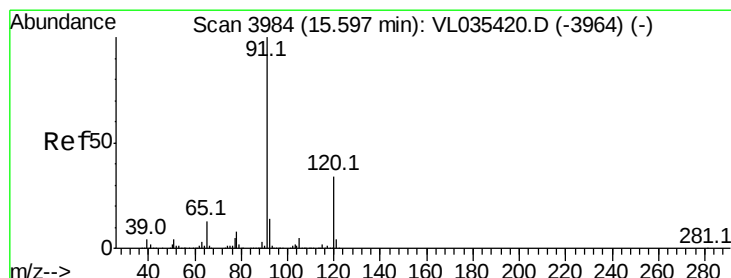
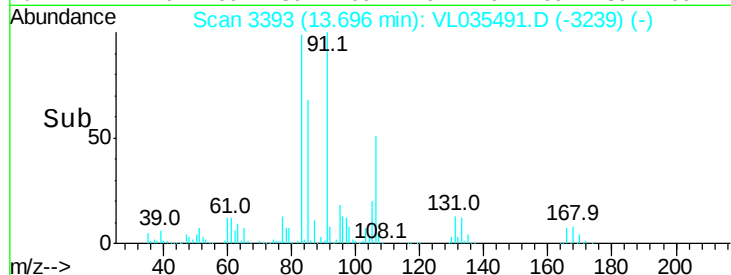
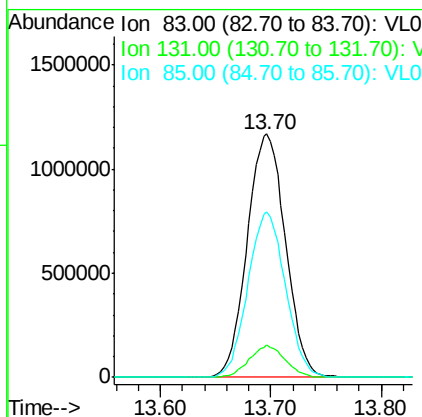
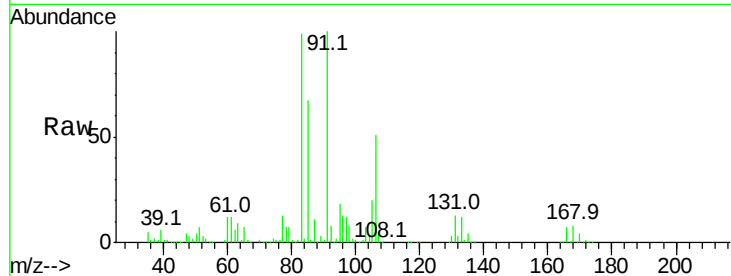


#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.731 ppbv
 RT: 13.70 min Scan# 3393
 Delta R.T. -0.01 min
 Lab File: VL035491.D
 Acq: 23 Aug 2020 8:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 83 Resp: 2811397

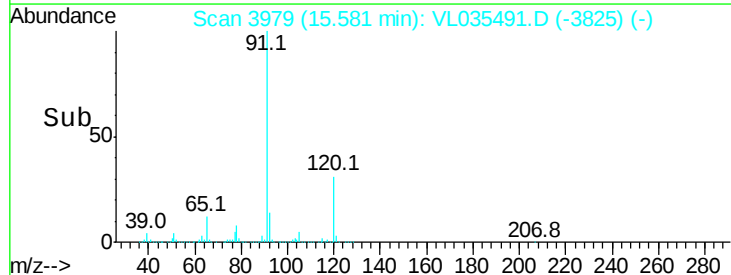
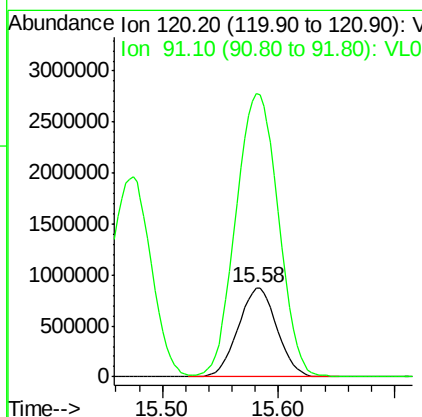
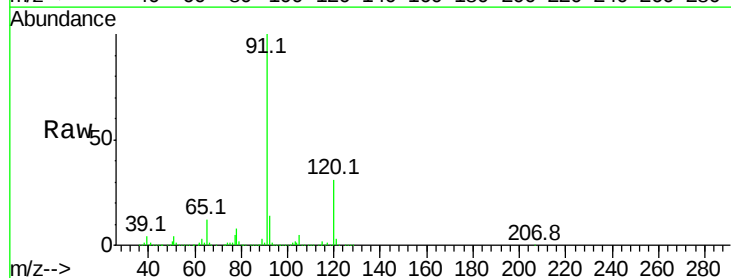
Ion	Ratio	Lower	Upper
83	100		
131	12.3	4.5	13.4
85	66.8	32.7	98.1

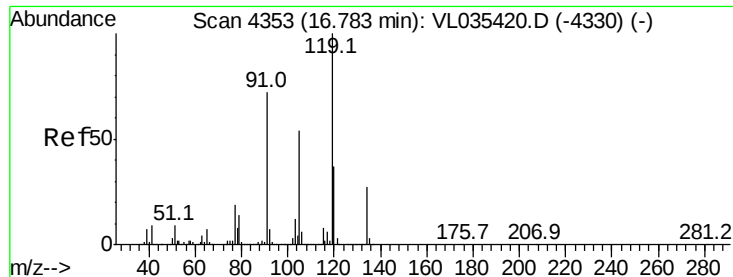


#64
 n-propylbenzene
 Concen: 6.887 ppbv
 RT: 15.58 min Scan# 3979
 Delta R.T. -0.01 min
 Lab File: VL035491.D
 Acq: 23 Aug 2020 8:13

Tgt Ion: 120 Resp: 2023032

Ion	Ratio	Lower	Upper
120	100		
91	350.4	385.5	578.3#

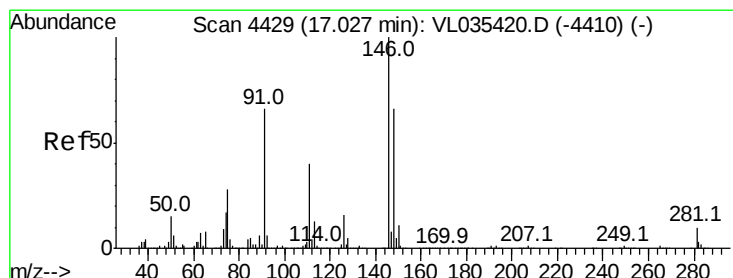
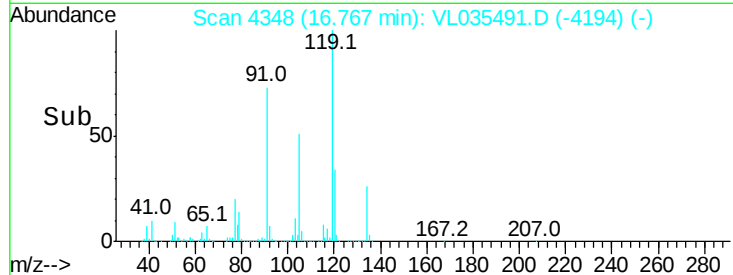
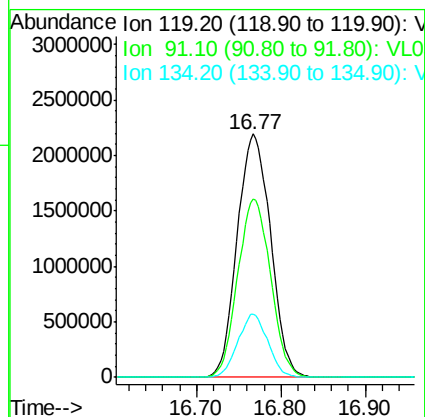
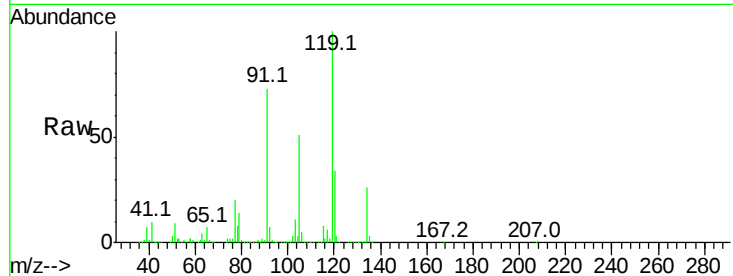




#65
 tert-Butylbenzene
 Concen: 6.518 ppbv
 RT: 16.77 min Scan# 4348
 Delta R.T. -0.01 min
 Lab File: VL035491.D
 Acq: 23 Aug 2020 8:13

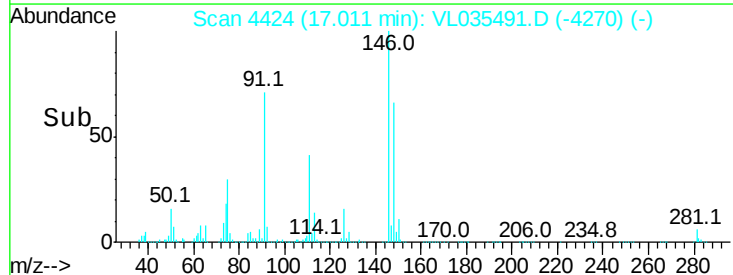
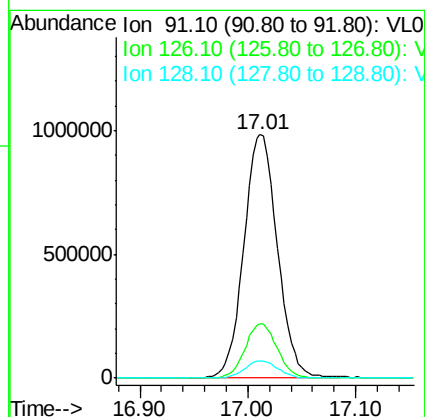
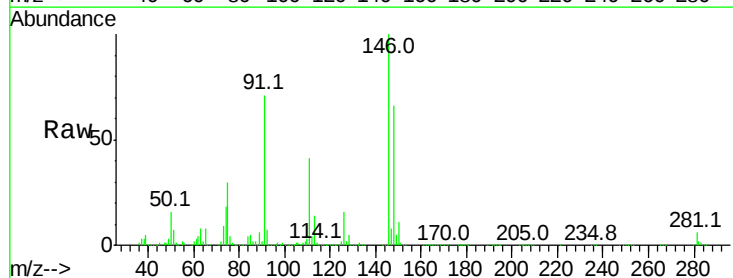
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

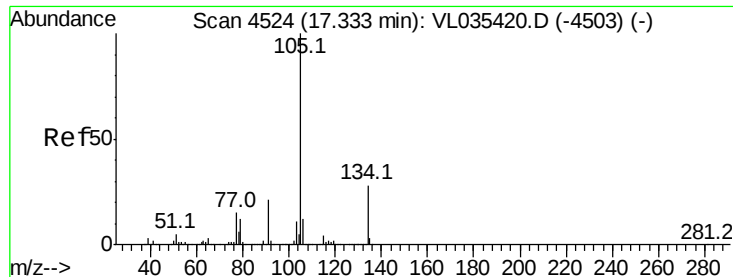
Tgt Ion: 119 Resp: 6036254
 Ion Ratio Lower Upper
 119 100
 91 72.3 72.0 108.0
 134 23.5 15.7 23.5



#66
 Benzyl Chloride
 Concen: 9.538 ppbv
 RT: 17.01 min Scan# 4424
 Delta R.T. -0.01 min
 Lab File: VL035491.D
 Acq: 23 Aug 2020 8:13

Tgt Ion: 91 Resp: 2124657
 Ion Ratio Lower Upper
 91 100
 126 21.6 13.3 19.9#
 128 7.0 4.1 6.1#

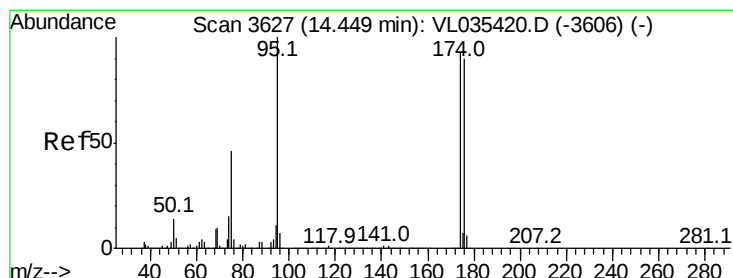
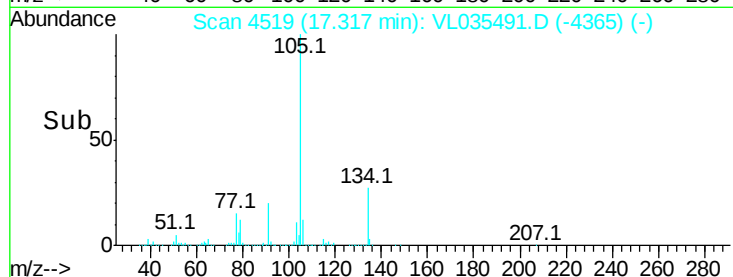
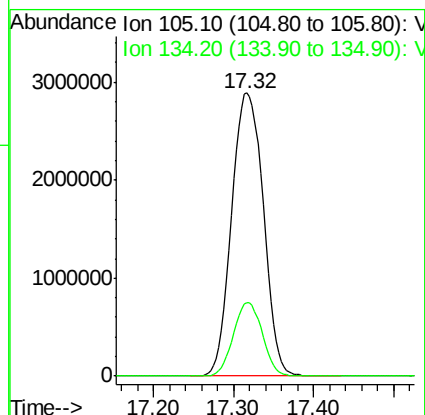
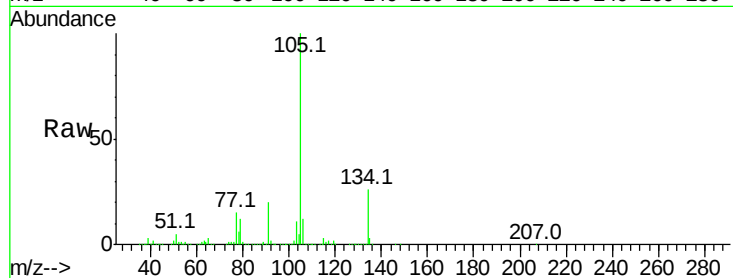




#67
 sec-Butylbenzene
 Concen: 6.385 ppbv
 RT: 17.32 min Scan# 4519
 Delta R.T. -0.01 min
 Lab File: VL035491.D
 Acq: 23 Aug 2020 8:13

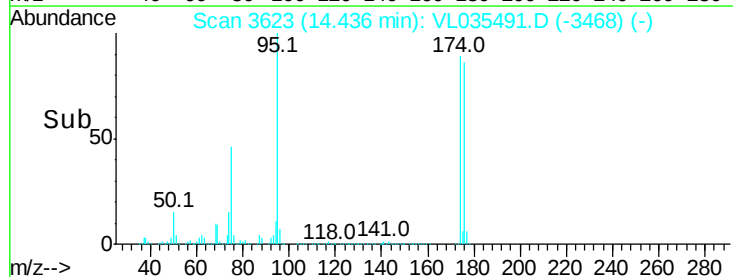
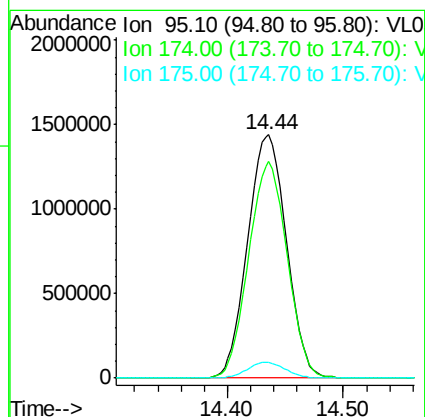
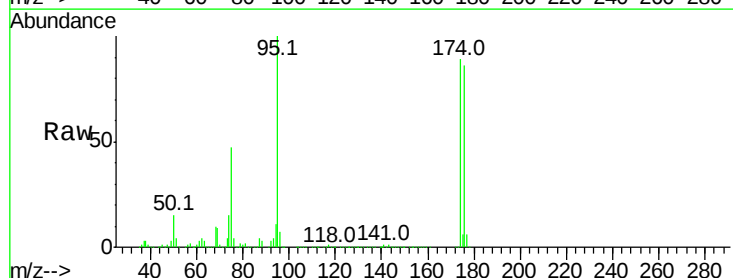
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

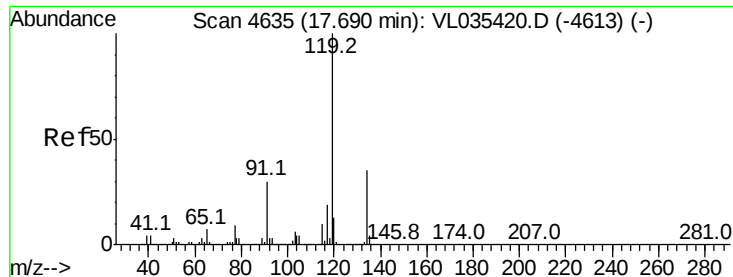
Tgt Ion: 105 Resp: 7781650
 Ion Ratio Lower Upper
 105 100
 134 23.9 14.1 21.1#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.191 ppbv
 RT: 14.44 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VL035491.D
 Acq: 23 Aug 2020 8:13

Tgt Ion: 95 Resp: 3361729
 Ion Ratio Lower Upper
 95 100
 174 88.6 44.0 66.0#
 175 6.4 3.2 4.8#

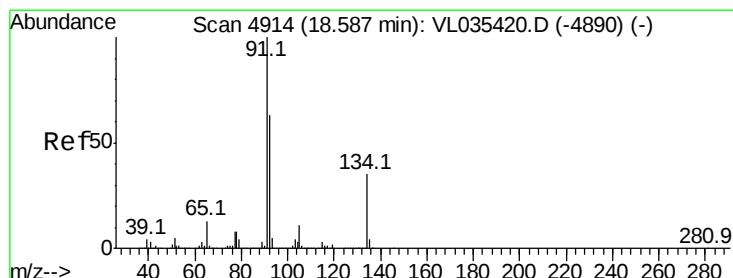
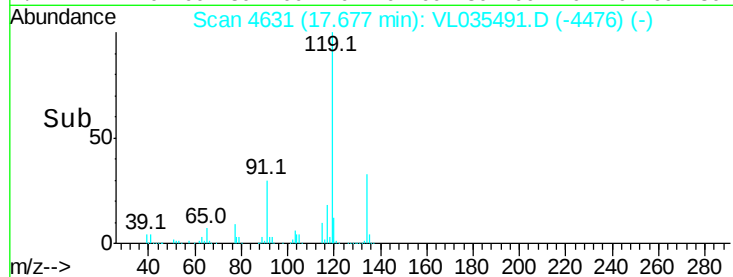
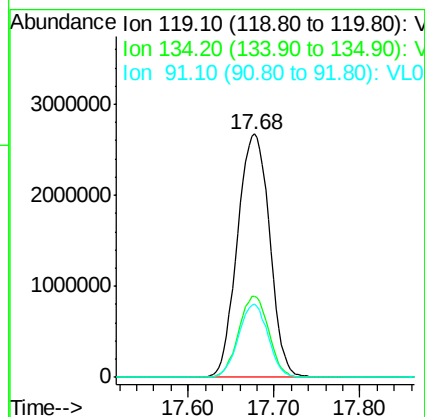
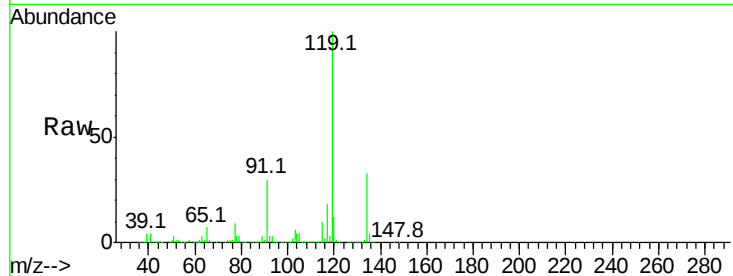




#69
 p-Isopropyltoluene
 Concen: 6.425 ppbv
 RT: 17.68 min Scan# 4631
 Delta R.T. -0.00 min
 Lab File: VL035491.D
 Acq: 23 Aug 2020 8:13

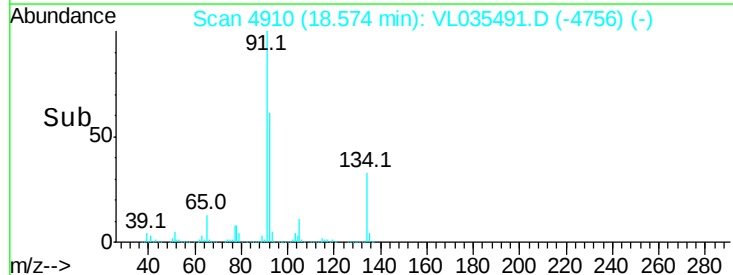
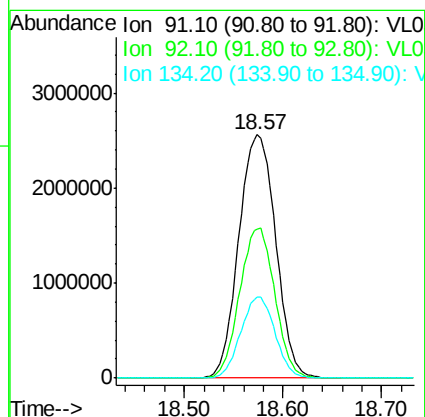
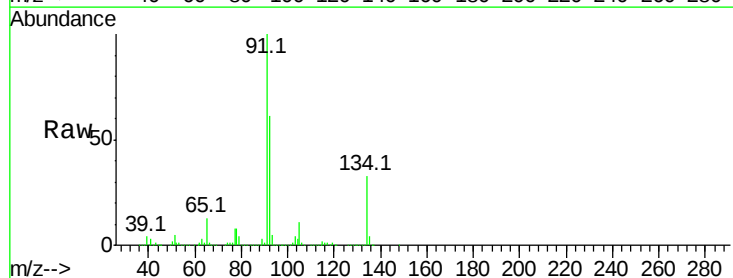
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

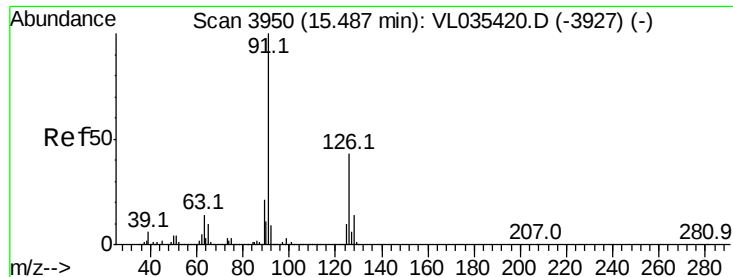
Tgt Ion: 119 Resp: 6948056
 Ion Ratio Lower Upper
 119 100
 134 31.1 20.6 30.8#
 91 27.5 26.6 39.8



#70
 n-Butylbenzene
 Concen: 6.496 ppbv
 RT: 18.57 min Scan# 4910
 Delta R.T. -0.01 min
 Lab File: VL035491.D
 Acq: 23 Aug 2020 8:13

Tgt Ion: 91 Resp: 6635408
 Ion Ratio Lower Upper
 91 100
 92 58.8 44.8 67.2
 134 31.1 17.3 25.9#





#71

2-Chlorotoluene

Concen: 6.854 ppbv

RT: 15.47 min Scan# 3946

Delta R.T. -0.00 min

Lab File: VL035491.D

Acq: 23 Aug 2020 8:13

Instrument :

MSVOA_L

ClientSampleId :

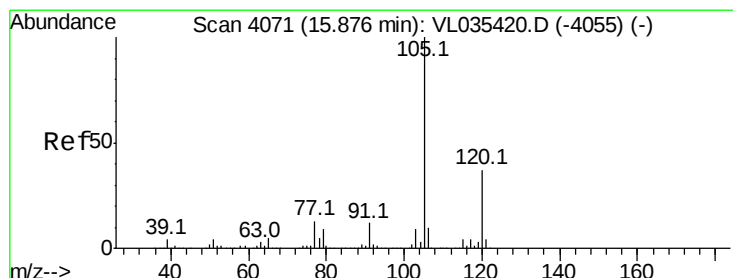
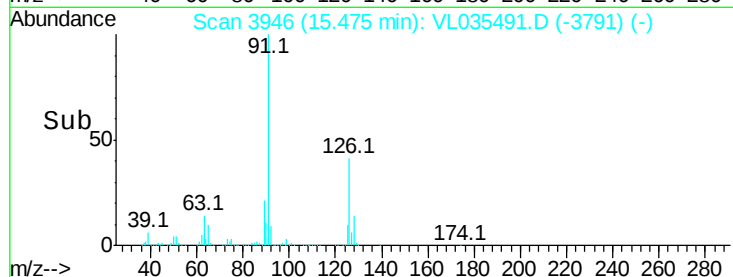
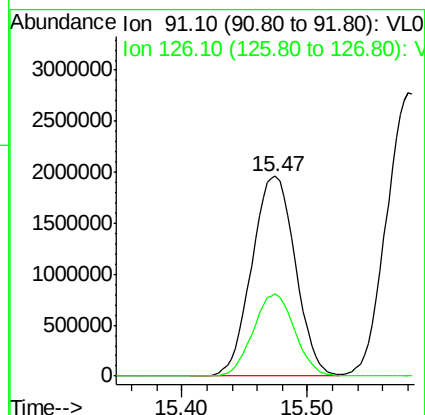
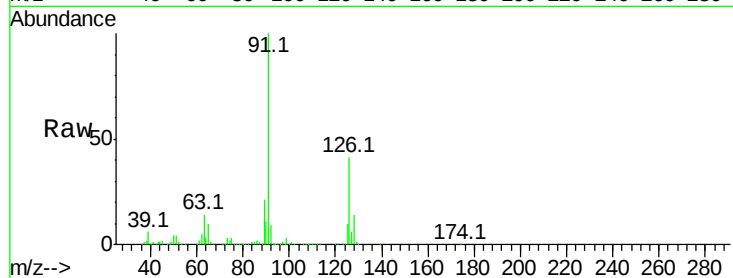
VSTDICCC010

Tgt Ion: 91 Resp: 4739145

Ion Ratio Lower Upper

91 100

126 39.4 11.4 45.6



#72

4-Ethyltoluene

Concen: 6.861 ppbv

RT: 15.86 min Scan# 4066

Delta R.T. -0.01 min

Lab File: VL035491.D

Acq: 23 Aug 2020 8:13

Tgt Ion: 105 Resp: 5235390

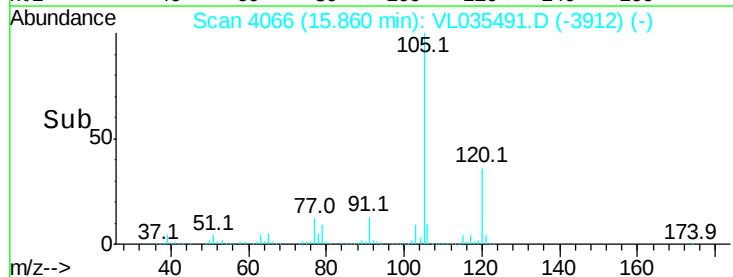
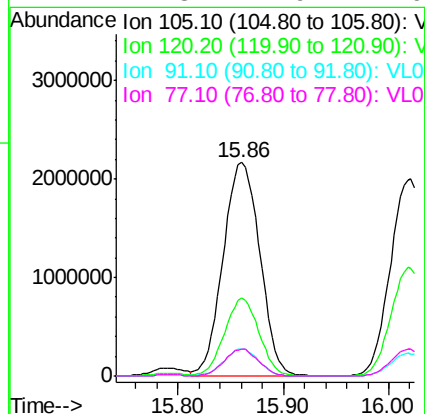
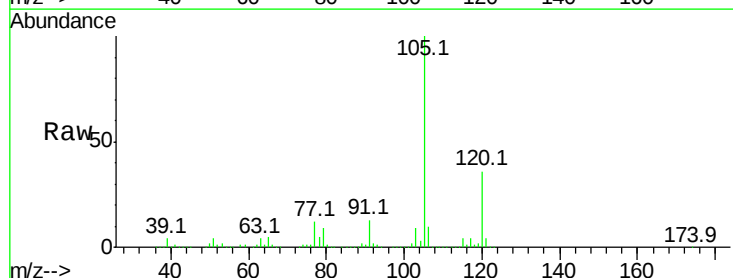
Ion Ratio Lower Upper

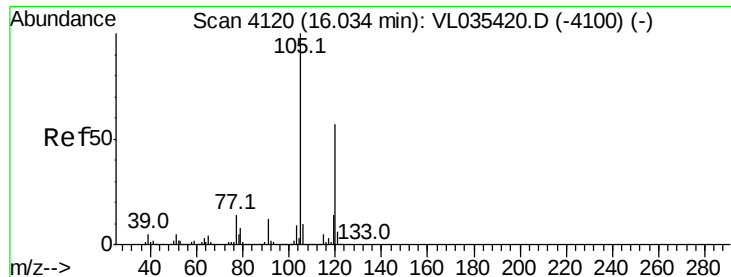
105 100

120 34.2 22.7 34.1#

91 11.9 10.8 16.2

77 11.8 11.9 17.9#

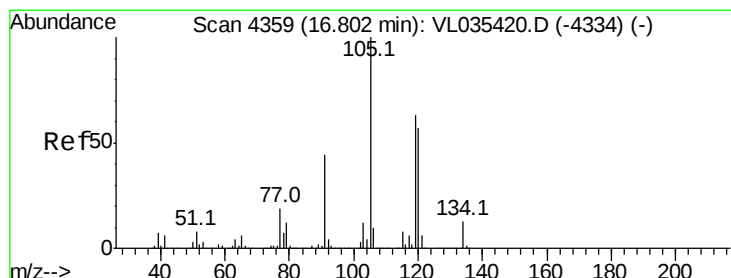
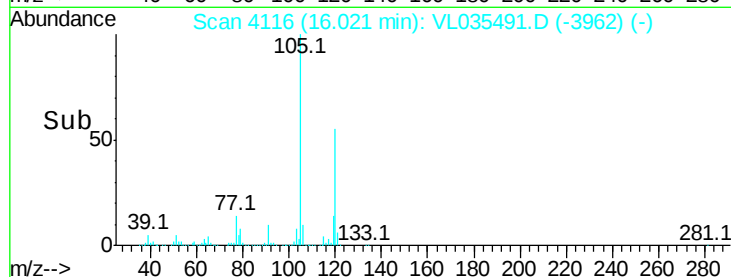
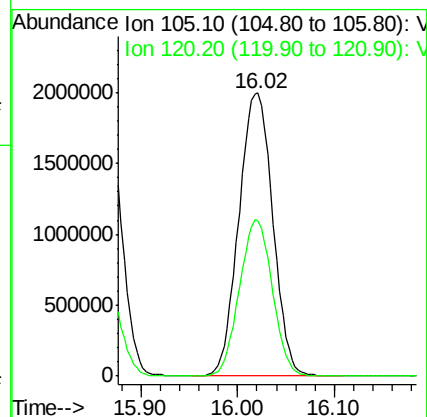
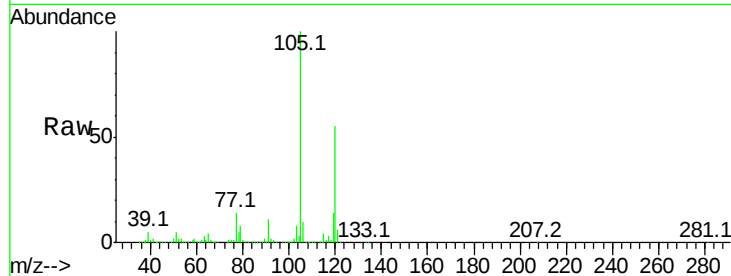




#73
 1,3,5-Trimethylbenzene
 Concen: 6.844 ppbv
 RT: 16.02 min Scan# 4116
 Delta R.T. -0.01 min
 Lab File: VL035491.D
 Acq: 23 Aug 2020 8:13

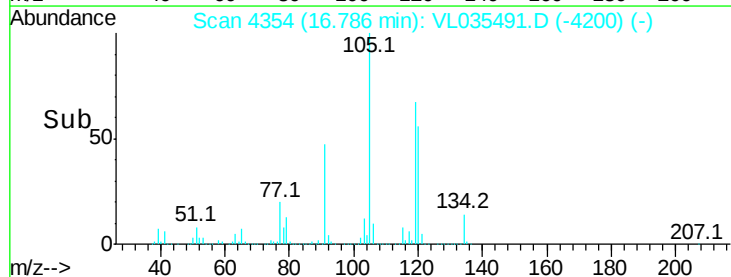
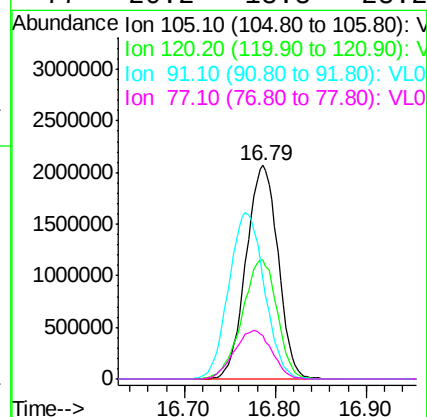
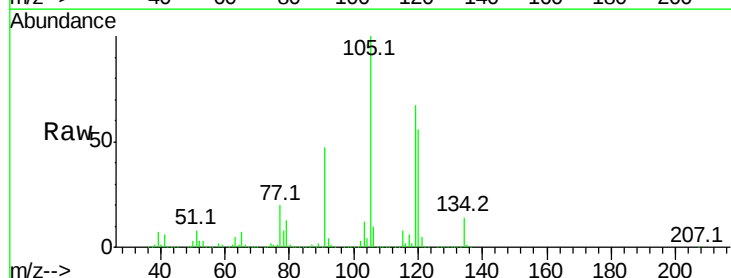
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

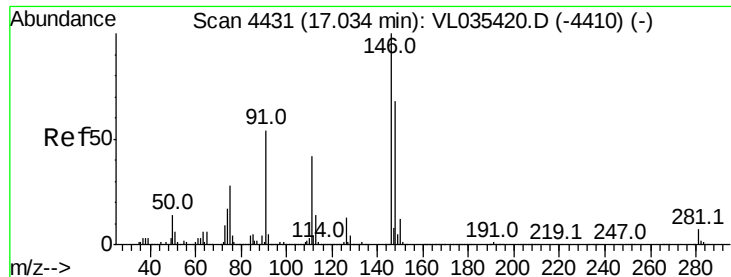
Tgt Ion:105 Resp: 4859493
 Ion Ratio Lower Upper
 105 100
 120 54.9 35.6 53.4#



#74
 1,2,4-Trimethylbenzene
 Concen: 6.551 ppbv
 RT: 16.79 min Scan# 4354
 Delta R.T. -0.01 min
 Lab File: VL035491.D
 Acq: 23 Aug 2020 8:13

Tgt Ion:105 Resp: 5053876
 Ion Ratio Lower Upper
 105 100
 120 55.9 37.8 56.8
 91 46.9 40.0 60.0
 77 20.2 18.8 28.2





#75

1,3-Dichlorobenzene

Concen: 6.278 ppbv

RT: 17.02 min Scan# 4426

Delta R.T. -0.01 min

Lab File: VL035491.D

Acq: 23 Aug 2020 8:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

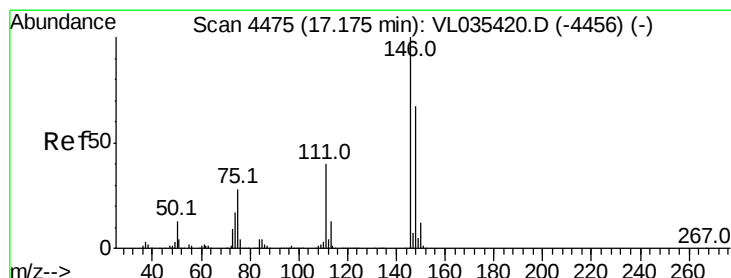
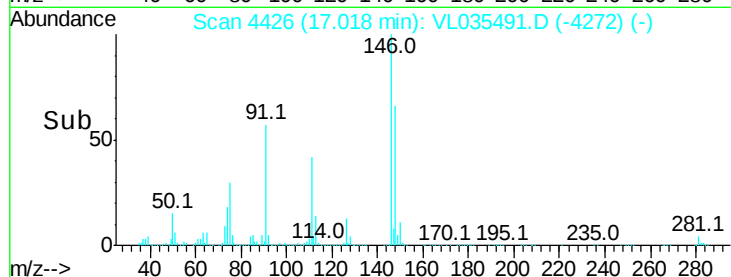
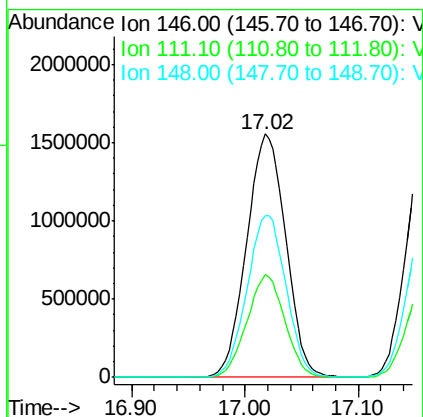
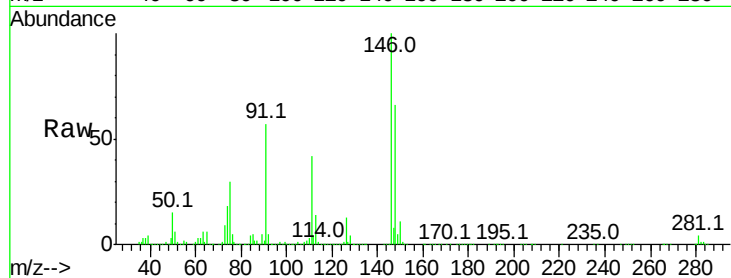
Tgt Ion:146 Resp: 3740695

Ion Ratio Lower Upper

146 100

111 40.7 25.6 76.8

148 66.3 32.3 96.9



#76

1,4-Dichlorobenzene

Concen: 6.466 ppbv

RT: 17.16 min Scan# 4470

Delta R.T. -0.01 min

Lab File: VL035491.D

Acq: 23 Aug 2020 8:13

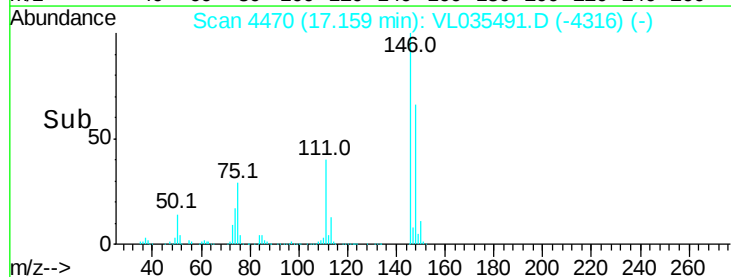
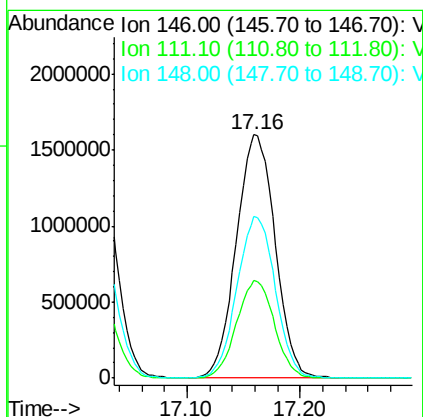
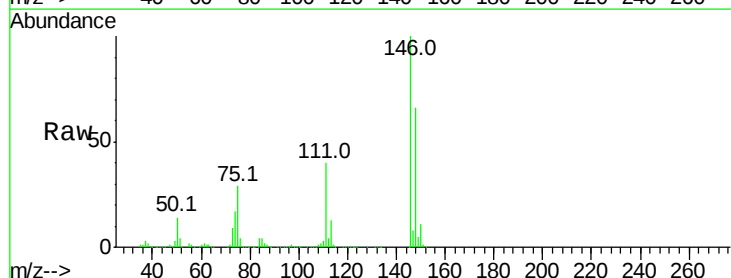
Tgt Ion:146 Resp: 3797065

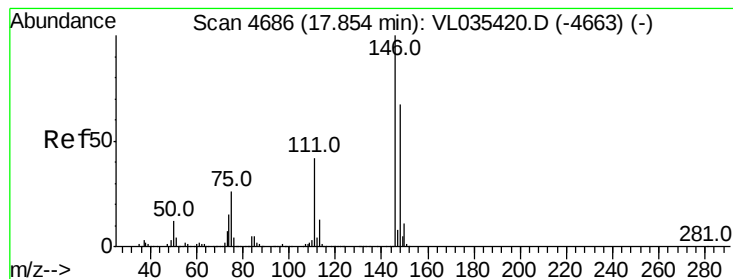
Ion Ratio Lower Upper

146 100

111 39.5 24.8 74.4

148 66.1 32.1 96.3





#77

1,2-Dichlorobenzene

Concen: 6.344 ppbv

RT: 17.84 min Scan# 4682

Delta R.T. -0.01 min

Lab File: VL035491.D

Acq: 23 Aug 2020 8:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

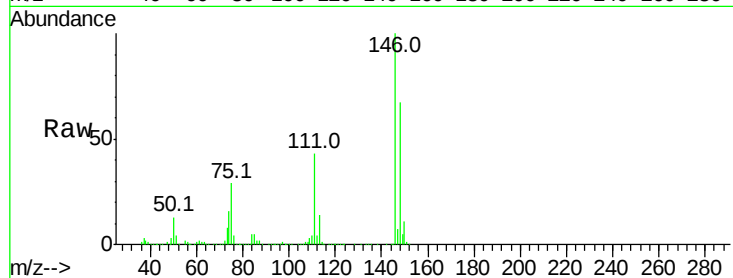
Tgt Ion:146 Resp: 3702505

Ion Ratio Lower Upper

146 100

111 42.0 26.3 78.9

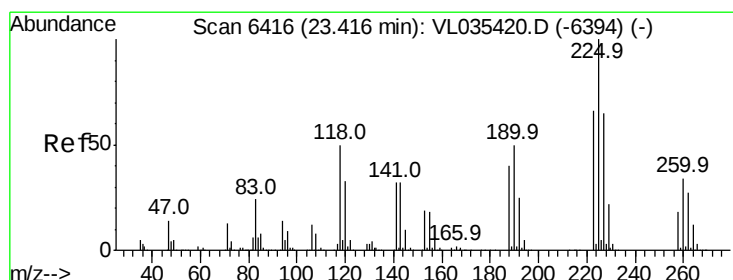
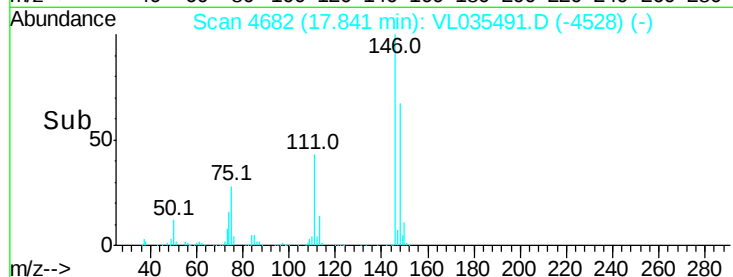
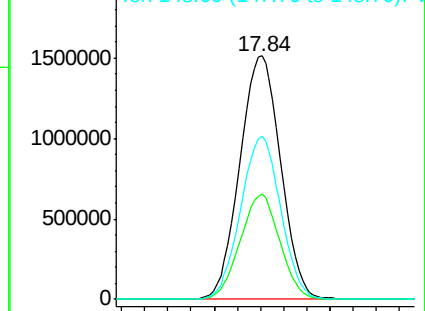
148 65.9 32.0 96.0



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: 5.420 ppbv

RT: 23.40 min Scan# 6412

Delta R.T. -0.00 min

Lab File: VL035491.D

Acq: 23 Aug 2020 8:13

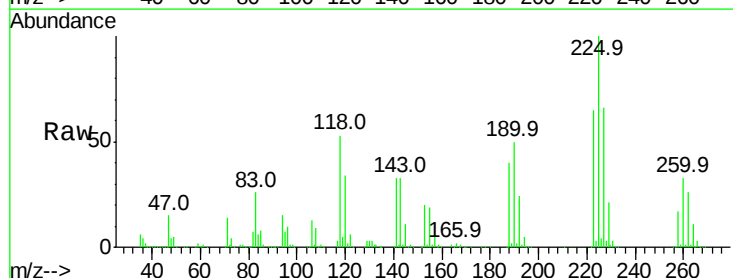
Tgt Ion:225 Resp: 2501229

Ion Ratio Lower Upper

225 100

223 64.3 50.3 75.5

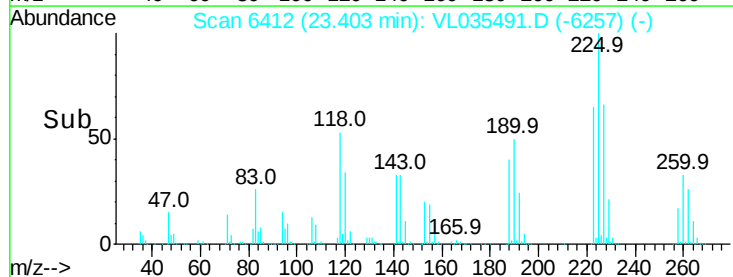
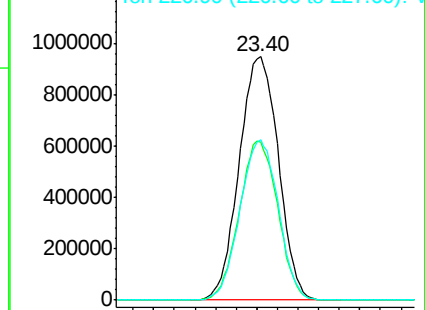
227 64.6 51.0 76.6

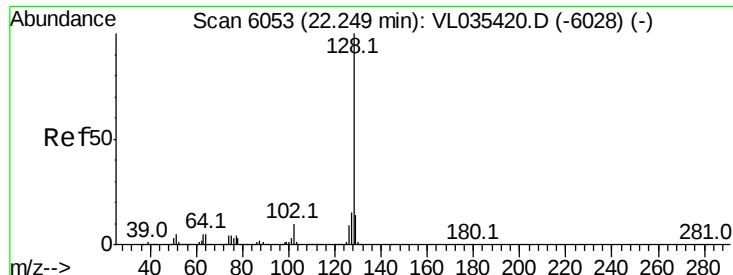


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 6.071 ppbv

RT: 22.23 min Scan# 6047

Delta R.T. -0.01 min

Lab File: VL035491.D

Acq: 23 Aug 2020 8:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

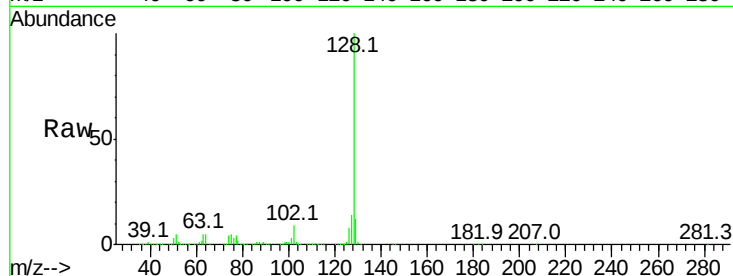
Tgt Ion:128 Resp: 6595604

Ion Ratio Lower Upper

128 100

127 14.2 11.4 17.0

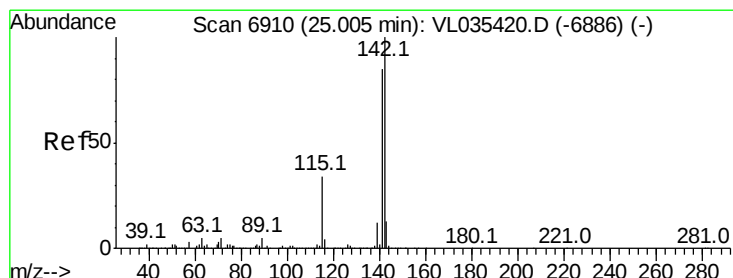
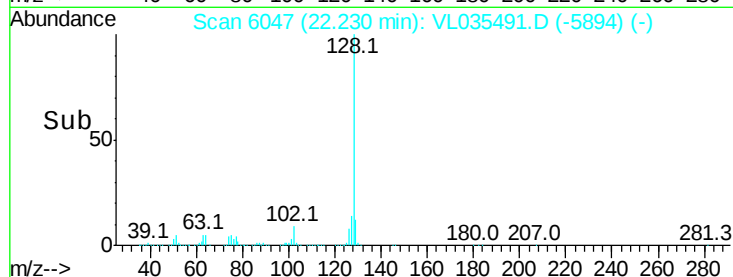
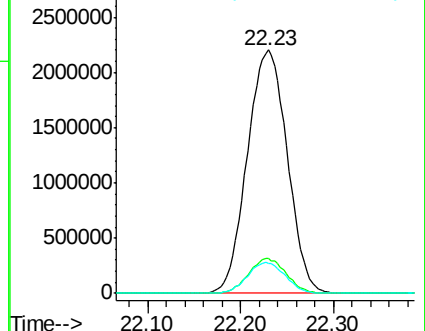
129 12.2 9.5 14.3



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: 6.459 ppbv

RT: 25.00 min Scan# 6907

Delta R.T. -0.00 min

Lab File: VL035491.D

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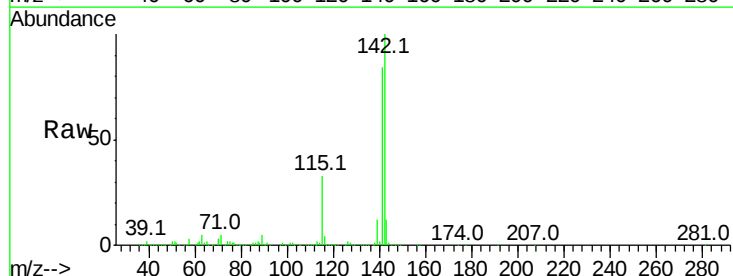
Tgt Ion:142 Resp: 2899733

Ion Ratio Lower Upper

142 100

141 83.9 67.1 100.7

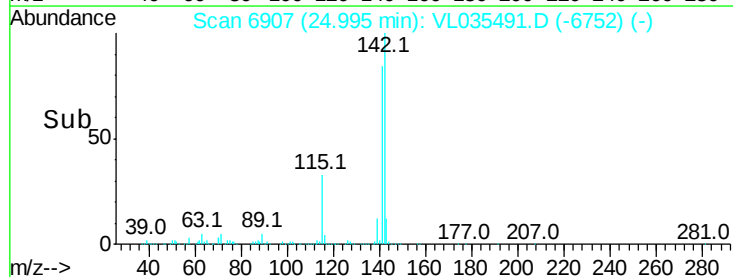
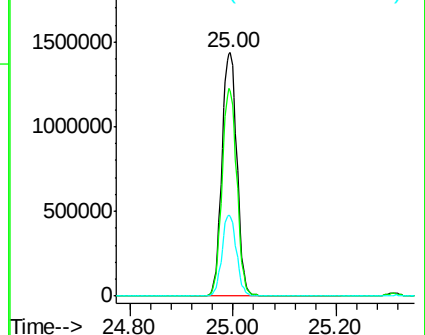
115 32.0 36.1 54.1#

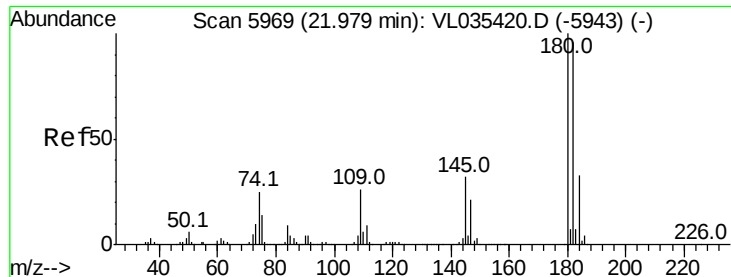


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 5.775 ppbv
 RT: 21.96 min Scan# 5963
 Delta R.T. -0.01 min
 Lab File: VL035491.D
 Acq: 23 Aug 2020 8:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion:180 Resp: 3782224
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.6 115.0
 184 31.7 24.8 37.2

