

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081720\
 Data File : VL035420.D
 Acq On : 17 Aug 2020 14:10
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 8/20/2020 11:05:35 AM

Quant Time: Aug 17 16:08:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 17 2020
 QLast Update : Mon Aug 17 09:05:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1092045	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	5098776	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	5332271m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	3698153	8.19	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	1715517	11.831	ppbv	98
3) Chlorodifluoromethane	2.99	51	1215881	8.688	ppbv	92
4) Chloromethane	3.14	50	644882	8.748	ppbv	95
5) Vinyl Chloride	3.26	62	770583	10.290	ppbv	95
6) Bromomethane	3.47	94	686449	16.712	ppbv	96
7) Chloroethane	3.56	64	286016	11.512	ppbv	94
8) Dichlorotetrafluoroethane	3.19	85	2255724	13.645	ppbv #	56
9) Propene	3.01	41	482719	7.270	ppbv	99
10) Heptane	8.14	43	1306855	7.786	ppbv #	79
11) Trichlorofluoromethane	3.95	101	2785633	16.005	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	2109733	18.615	ppbv #	77
13) Ethanol	3.61	45	128980	6.083	ppbv	100
14) Bromoethene	3.74	108	970325	19.512	ppbv #	95
15) Acetone	3.85	43	997005	6.938	ppbv #	81
16) 1,3-Butadiene	3.33	39	464857	7.062	ppbv #	65
17) tert-Butyl alcohol	4.30	59	1540827	11.297	ppbv	99
18) 1,1-Dichloroethene	4.29	96	972610	19.098	ppbv #	60
19) Isopropyl Alcohol	3.98	45	800400	7.898	ppbv #	98
20) Methylene Chloride	4.35	84	799081	14.990	ppbv #	65
21) Allyl Chloride	4.42	41	613997	7.312	ppbv #	82
22) trans-1,2-Dichloroethene	4.89	96	1027289	20.250	ppbv #	63
23) Vinyl Acetate	5.08	43	1717397	8.153	ppbv #	94
24) 1,1-Dichloroethane	5.02	63	1605551	10.692	ppbv #	93
25) Ethyl Acetate	5.69	43	2125068	7.384	ppbv #	93
26) Hexane	5.70	57	1206384	9.648	ppbv #	75
27) Carbon Disulfide	4.56	76	2003527	16.457	ppbv #	85
28) Methyl tert-Butyl Ether	5.04	73	2315854	12.002	ppbv	92
29) Chloroform	5.77	83	2476403	12.896	ppbv	98
30) Cyclohexane	7.15	84	1428977	14.394	ppbv #	60
31) cis-1,2-Dichloroethene	5.56	61	1327874	10.426	ppbv #	62
32) 1,1,1-Trichloroethane	6.53	97	2534162	13.237	ppbv #	89
34) 2-Butanone	5.26	43	1501738	3.819	ppbv #	74
35) Carbon Tetrachloride	7.04	117	2712552	7.161	ppbv	97
36) Benzene	6.91	78	3260723	6.301	ppbv #	93
37) 1,2-Dichloroethane	6.32	62	1498398	4.695	ppbv #	89
38) Trichloroethene	7.85	130	1811204	9.053	ppbv #	83
39) 1,2-Dichloropropane	7.64	63	1086545	5.210	ppbv #	83
40) 1,4-Dioxane	7.85	88	599272	7.428	ppbv #	20
41) Tetrahydrofuran	6.06	42	866068	3.917	ppbv #	62
42) Bromodichloromethane	7.81	83	2660414	6.519	ppbv #	96
43) Methyl Methacrylate	8.03	69	1349199	5.991	ppbv #	58

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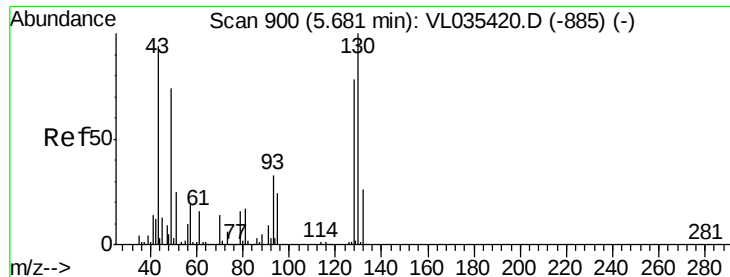
Manual Integrations
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Quant Time: Aug 17 16:08:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 17 2020
 QLast Update : Mon Aug 17 09:05:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	4103901	4.537	ppbv #	92
45) t-1,3-Dichloropropene	9.30	75	1574075	6.652	ppbv	96
46) cis-1,3-Dichloropropene	8.73	75	1855417	6.476	ppbv #	75
47) 1,1,2-Trichloroethane	9.50	97	1619694	7.724	ppbv	93
48) Dibromochloromethane	10.33	129	3006523	9.845	ppbv	99
49) Bromoform	13.07	173	3014697	12.557	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2185205	3.841	ppbv #	82
51) 2-Hexanone	10.16	43	1884259	3.902	ppbv #	77
52) Tetrachloroethene	11.25	164	1966963	10.686	ppbv #	84
53) Toluene	9.83	91	4206745	7.138	ppbv	98
54) 1,2-Dibromoethane	10.64	107	2633100	8.136	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.16	131	2312198	8.812	ppbv	99
57) Chlorobenzene	12.18	112	3683920	7.650	ppbv #	80
58) Ethyl Benzene	12.74	91	5485078	6.213	ppbv #	84
59) m/p-Xylene	13.03	91	9206454m	12.500	ppbv	
60) o-Xylene	13.73	91	4472531	6.171	ppbv	85
61) Styrene	13.56	104	3848174	7.774	ppbv #	89
62) Isopropylbenzene	14.70	105	7016744	6.560	ppbv #	87
63) 1,1,2,2-Tetrachloroethane	13.71	83	3097589	5.508	ppbv	97
64) n-propylbenzene	15.60	120	2327422	8.584	ppbv #	46
65) tert-Butylbenzene	16.78	119	6842416	7.467	ppbv #	81
66) Benzyl Chloride	17.03	91	2390521	7.966	ppbv #	87
67) sec-Butylbenzene	17.33	105	8683690	6.417	ppbv #	83
69) p-Isopropyltoluene	17.69	119	7872709	7.145	ppbv #	88
70) n-Butylbenzene	18.59	91	7392881	5.739	ppbv #	90
71) 2-Chlorotoluene	15.49	91	5315618	6.074	ppbv	77
72) 4-Ethyltoluene	15.88	105	5870645	6.913	ppbv #	90
73) 1,3,5-Trimethylbenzene	16.03	105	5441923	6.788	ppbv #	81
74) 1,2,4-Trimethylbenzene	16.80	105	5664695	6.599	ppbv #	89
75) 1,3-Dichlorobenzene	17.03	146	4392344	9.400	ppbv	91
76) 1,4-Dichlorobenzene	17.18	146	4443348	9.273	ppbv	91
77) 1,2-Dichlorobenzene	17.85	146	4359369	9.260	ppbv	91
78) Hexachloro-1,3-Butadiene	23.42	225	3338344	9.232	ppbv	98
79) Naphthalene	22.25	128	8221225	8.204	ppbv	97
80) Naphthalene, 2-methyl-	25.00	142	4064605	9.721	ppbv #	92
81) 1,2,4-Trichlorobenzene	21.98	180	4960539	10.444	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 49 Resp: 1092045

Ion Ratio Lower Upper

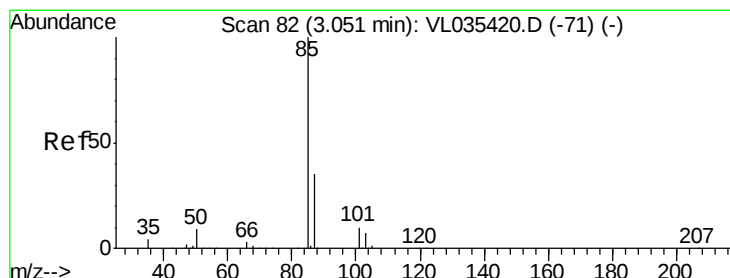
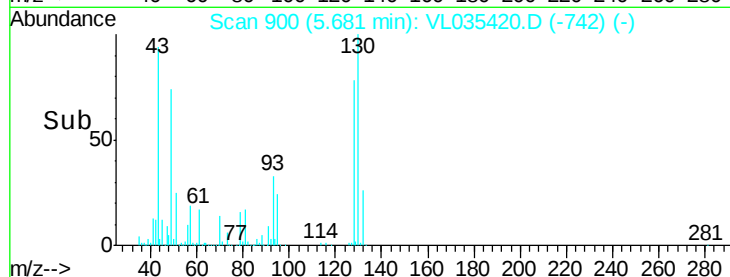
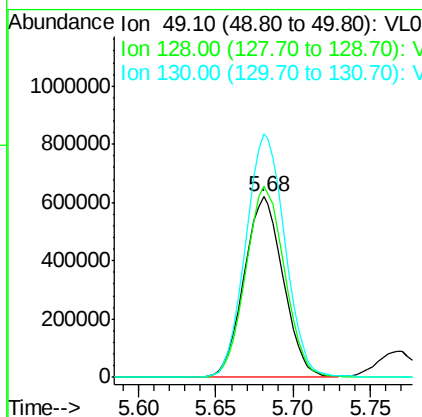
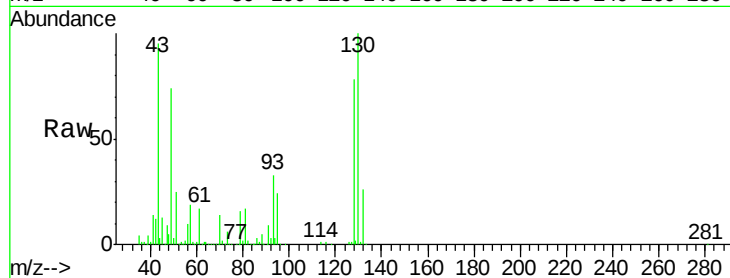
49 100

128 106.0 20.9 62.7#

130 135.9 26.7 80.1#

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#2

Dichlorodifluoromethane

Concen: 11.831 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.01 min

Lab File: VL035420.D

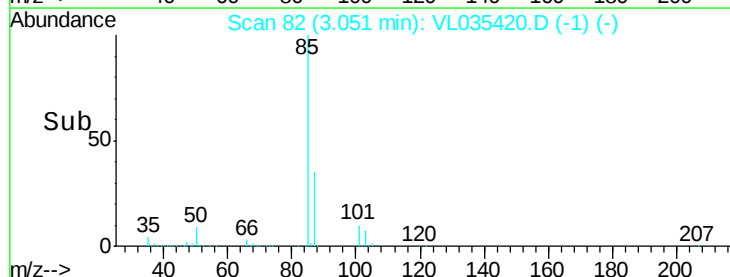
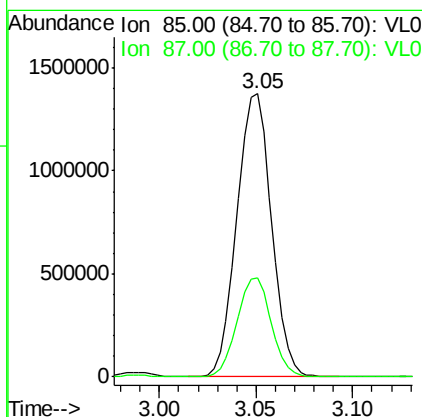
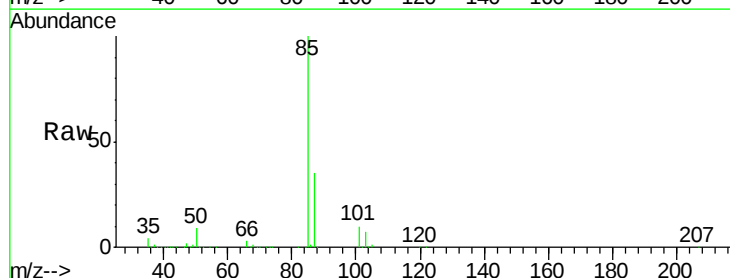
Acq: 17 Aug 2020 14:10

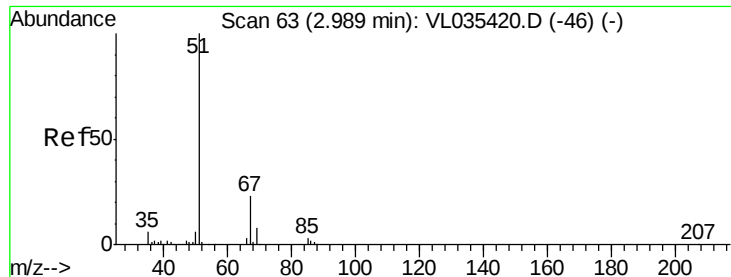
Tgt Ion: 85 Resp: 1715517

Ion Ratio Lower Upper

85 100

87 34.9 27.1 40.7





#3

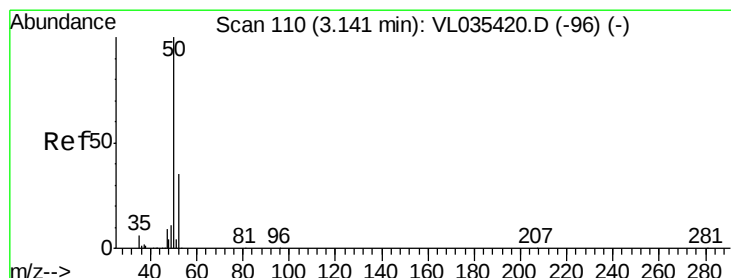
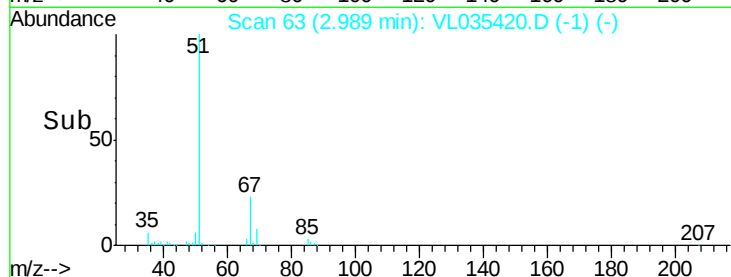
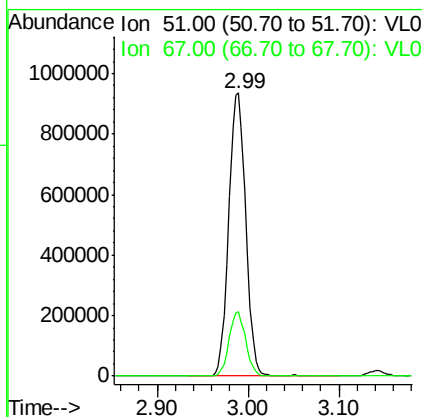
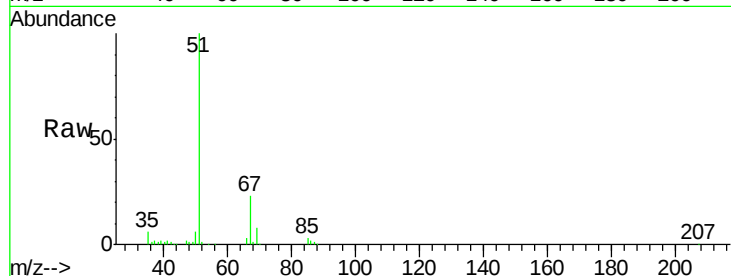
Chlorodifluoromethane
Concen: 8.688 ppbv
RT: 2.99 min Scan# 63
Delta R.T. 0.01 min
Lab File: VL035420.D
Acq: 17 Aug 2020 14:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	51	Resp	1215881
Ion Ratio	Lower	Upper	
51	100		
67	22.4	15.0	22.6

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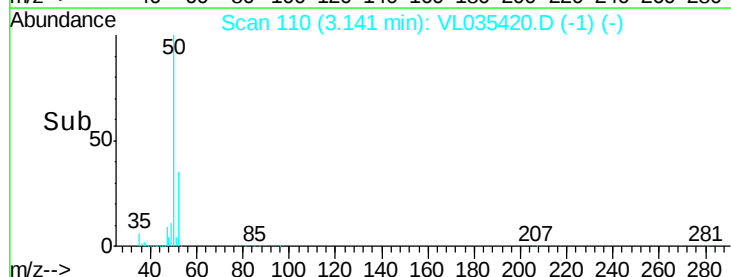
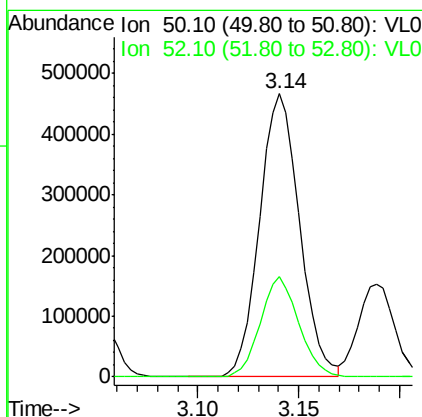
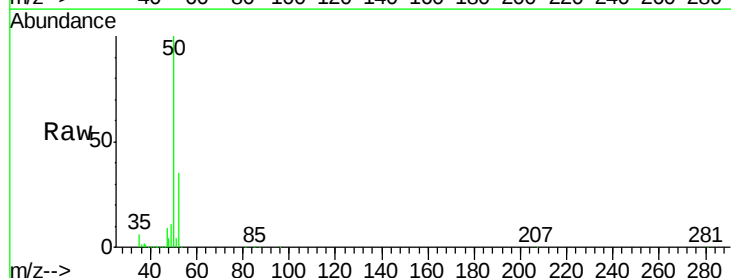
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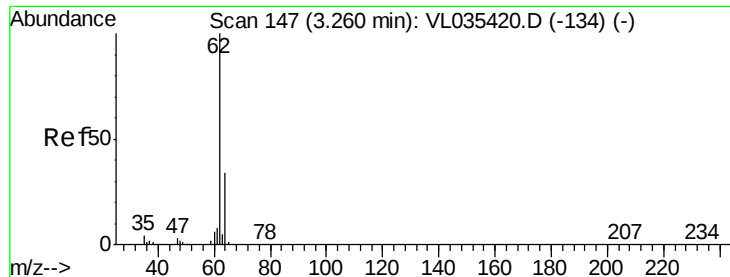


#4

Chloromethane
Concen: 8.748 ppbv
RT: 3.14 min Scan# 110
Delta R.T. 0.01 min
Lab File: VL035420.D
Acq: 17 Aug 2020 14:10

Tgt Ion	50	Resp	644882
Ion Ratio	Lower	Upper	
50	100		
52	35.2	25.9	38.9





#5

Vinyl Chloride

Concen: 10.290 ppbv

RT: 3.26 min Scan# 147

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 62 Resp: 770583

Ion Ratio Lower Upper

62 100

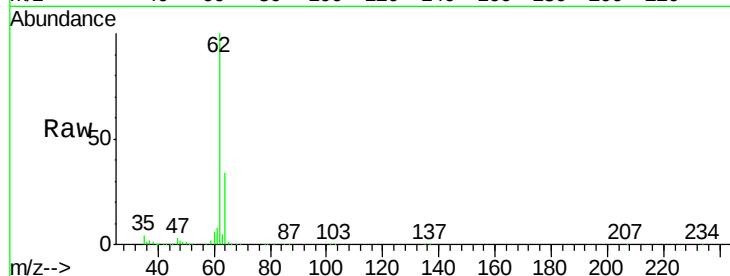
64 33.8 25.0 37.4

Manual Integrations

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

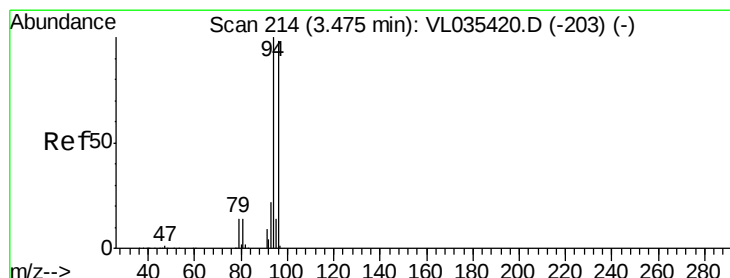
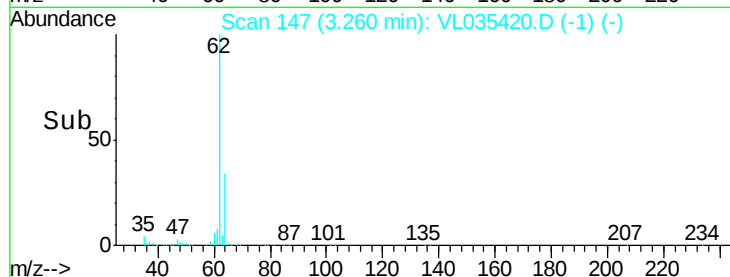
3.26

400000

200000

0

Time-->



#6

Bromomethane

Concen: 16.712 ppbv

RT: 3.47 min Scan# 214

Delta R.T. 0.01 min

Lab File: VL035420.D

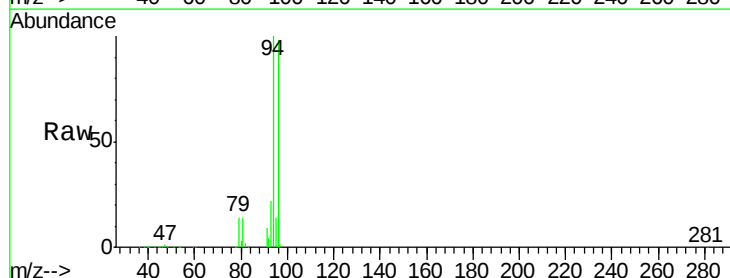
Acq: 17 Aug 2020 14:10

Tgt Ion: 94 Resp: 686449

Ion Ratio Lower Upper

94 100

96 97.8 75.0 112.6



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.47

500000

400000

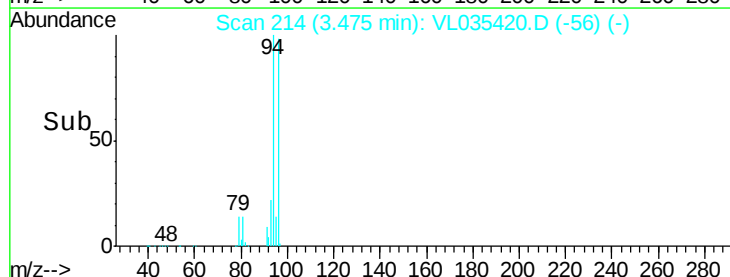
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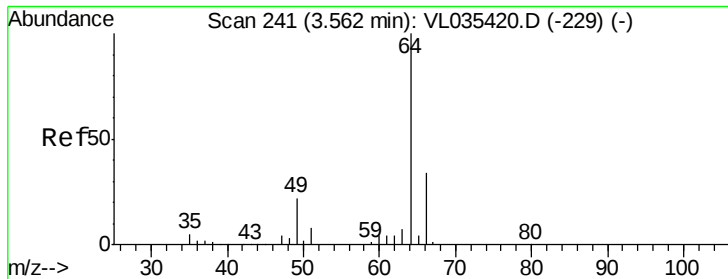
200000

100000

0

Time-->





#7

Chloroethane

Concen: 11.512 ppbv

RT: 3.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 64 Resp: 286016

Ion Ratio Lower Upper

64 100

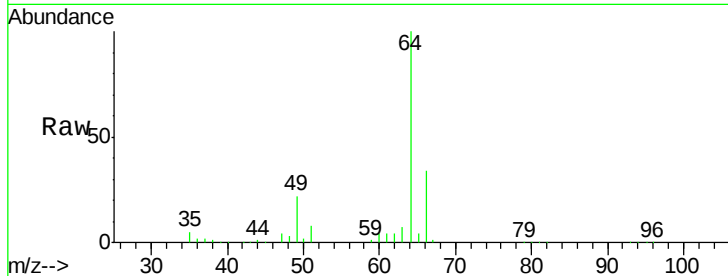
66 33.7 24.5 36.7

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

250000

200000

150000

100000

50000

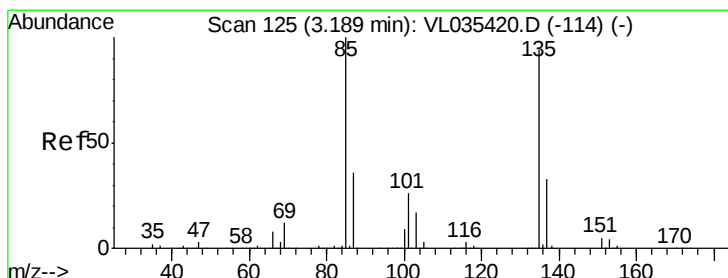
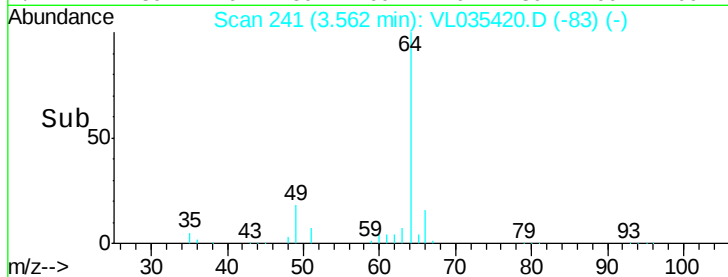
0

3.50

3.55

3.60

Time-->



#8

Dichlorotetrafluoroethane

Concen: 13.645 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.01 min

Lab File: VL035420.D

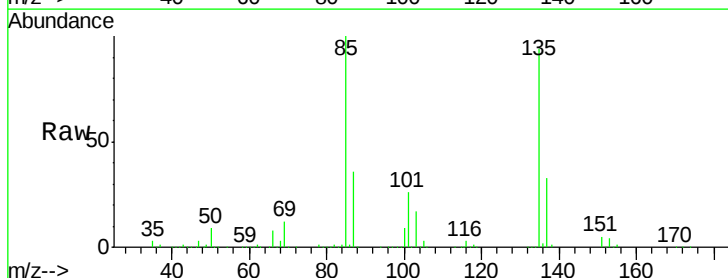
Acq: 17 Aug 2020 14:10

Tgt Ion: 85 Resp: 2255724

Ion Ratio Lower Upper

85 100

135 94.2 48.6 72.8#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

2000000

1500000

1000000

500000

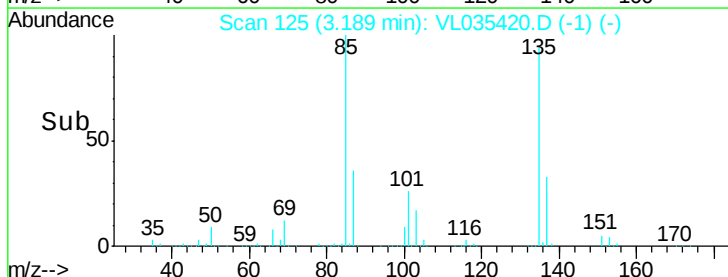
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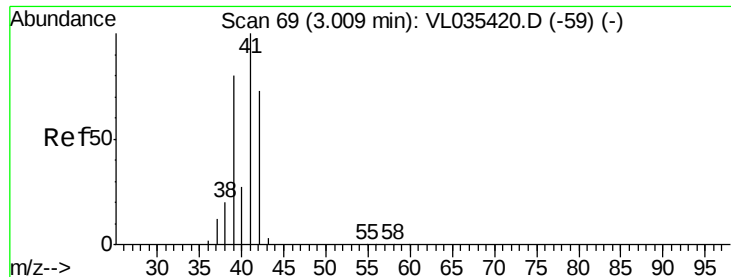
3.15

3.20

3.25

Time-->





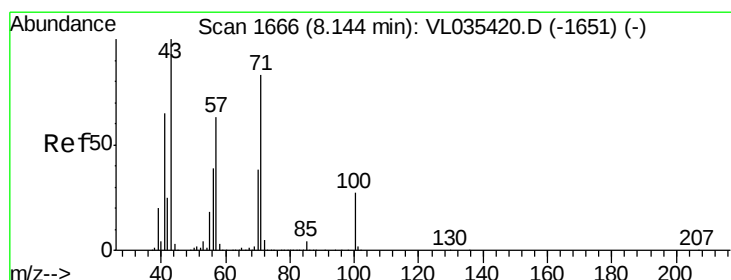
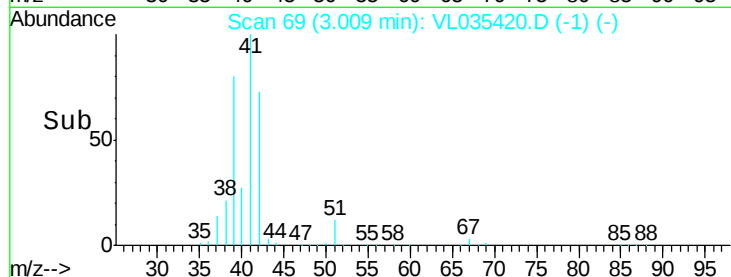
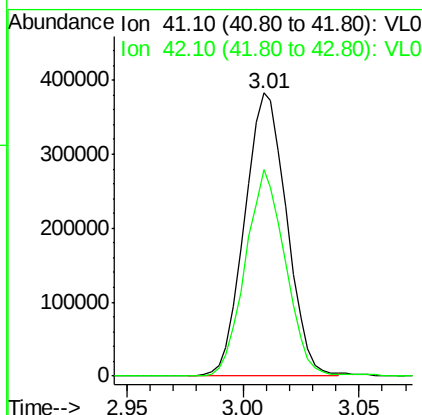
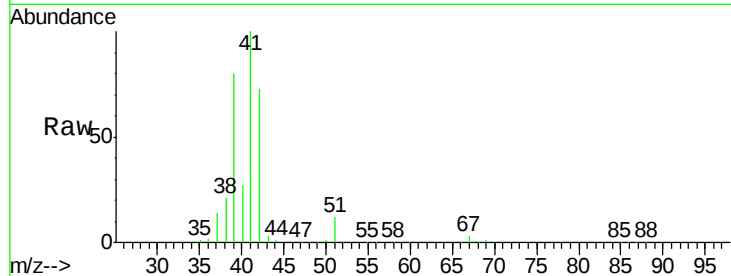
#9
 Propene
 Concen: 7.270 ppbv
 RT: 3.01 min Scan# 69
 Delta R.T. 0.00 min
 Lab File: VL035420.D
 Acq: 17 Aug 2020 14:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 41 Resp: 482719
 Ion Ratio Lower Upper
 41 100
 42 70.1 55.5 83.3

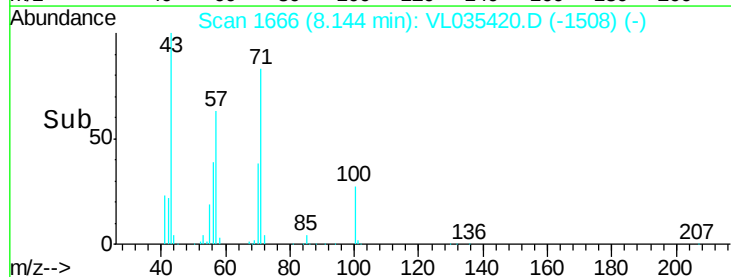
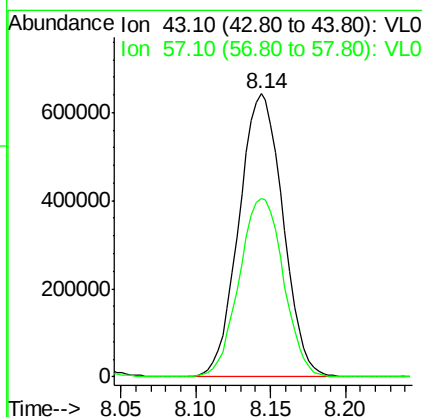
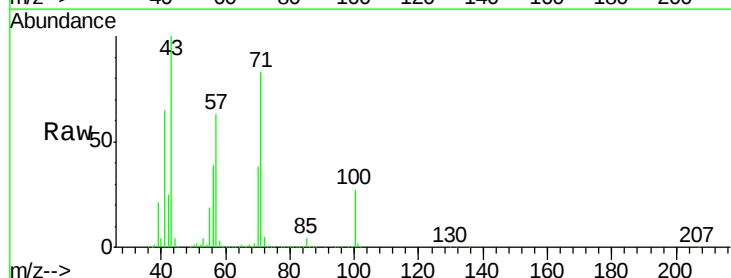
Manual Integrations
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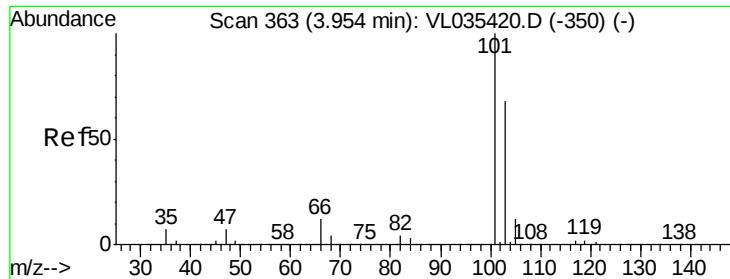
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#10
 Heptane
 Concen: 7.786 ppbv
 RT: 8.14 min Scan# 1666
 Delta R.T. 0.01 min
 Lab File: VL035420.D
 Acq: 17 Aug 2020 14:10

Tgt Ion: 43 Resp: 1306855
 Ion Ratio Lower Upper
 43 100
 57 63.9 39.8 59.6#





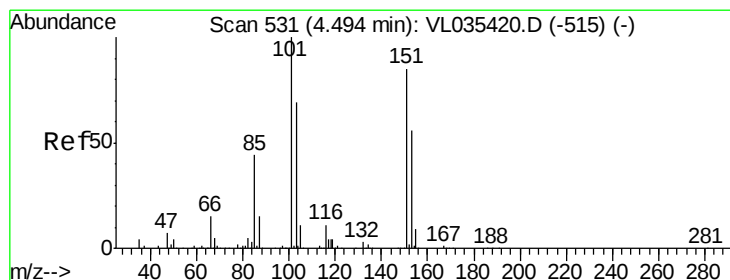
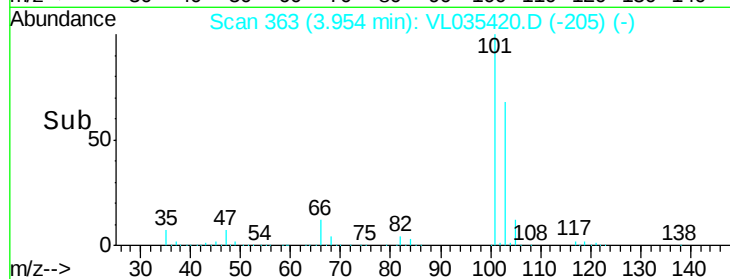
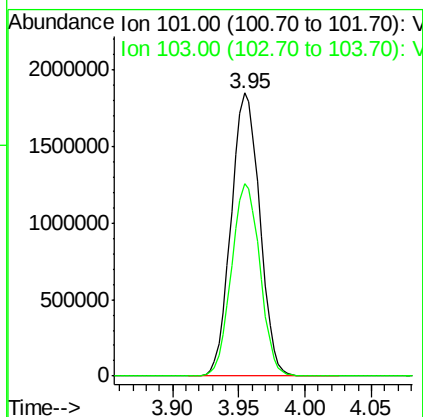
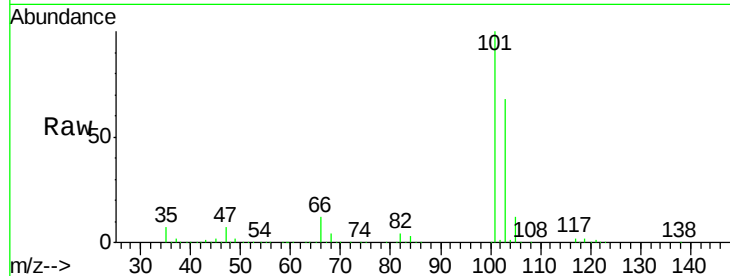
#11
 Trichlorofluoromethane
 Concen: 16.005 ppbv
 RT: 3.95 min Scan# 363
 Delta R.T. 0.01 min
 Lab File: VL035420.D
 Acq: 17 Aug 2020 14:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:101 Resp: 2785633
 Ion Ratio Lower Upper
 101 100
 103 67.9 52.6 78.8

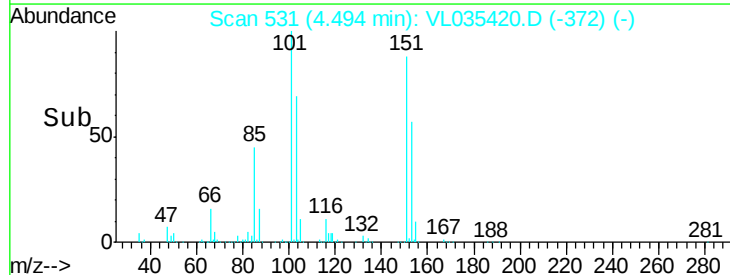
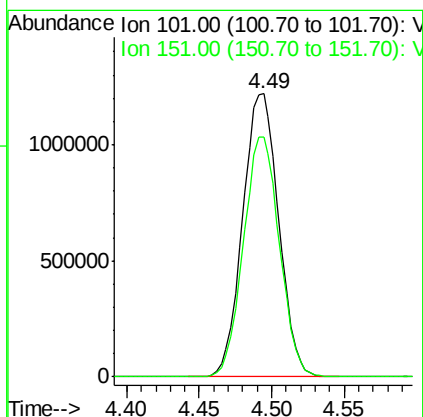
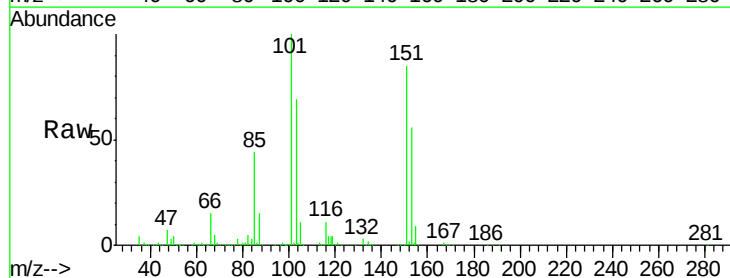
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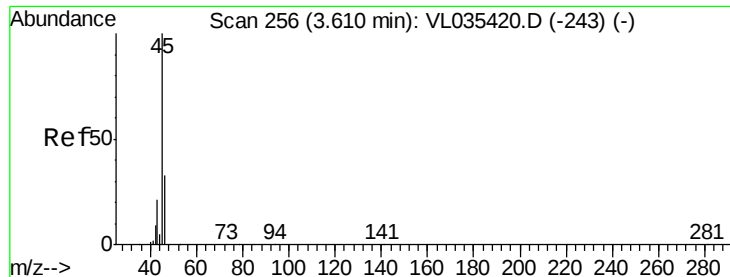
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.615 ppbv
 RT: 4.49 min Scan# 531
 Delta R.T. 0.01 min
 Lab File: VL035420.D
 Acq: 17 Aug 2020 14:10

Tgt Ion:101 Resp: 2109733
 Ion Ratio Lower Upper
 101 100
 151 85.1 53.6 80.4#





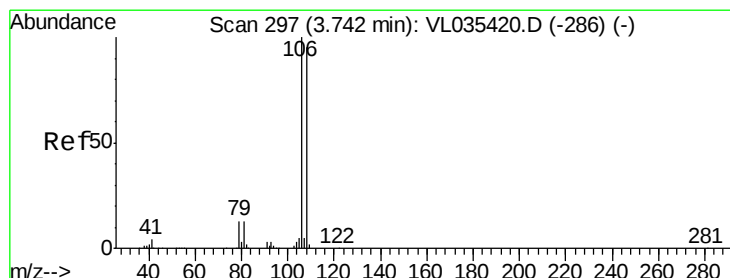
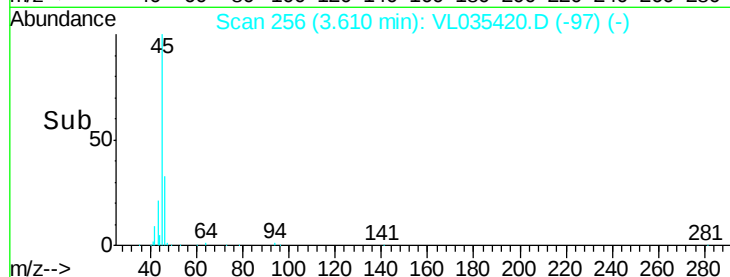
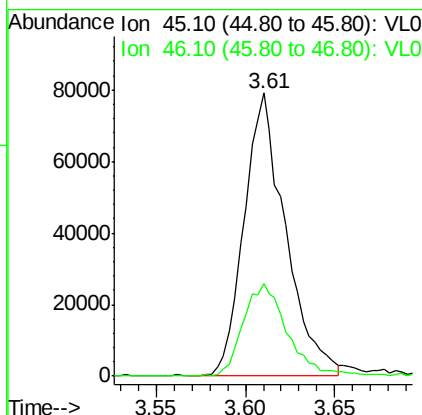
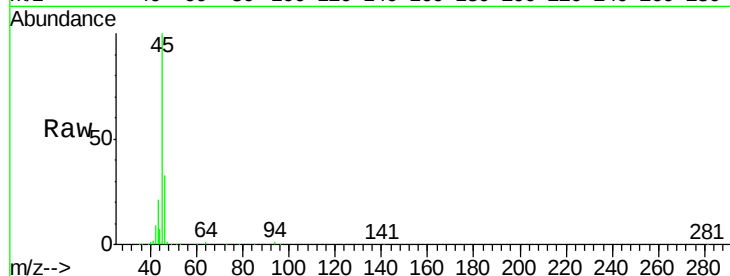
#13
Ethanol
Concen: 6.083 ppbv
RT: 3.61 min Scan# 256
Delta R.T. 0.01 min
Lab File: VL035420.D
Acq: 17 Aug 2020 14:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
45	100		
46	35.3	14.2	56.6

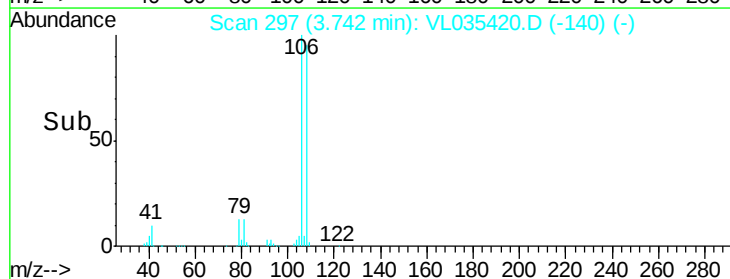
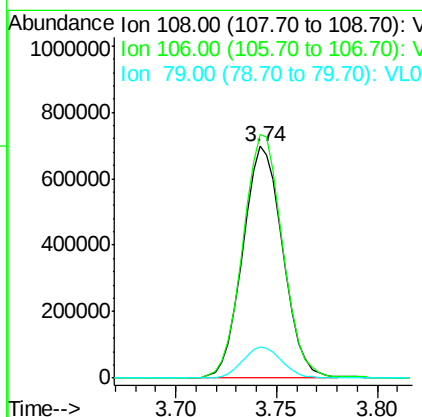
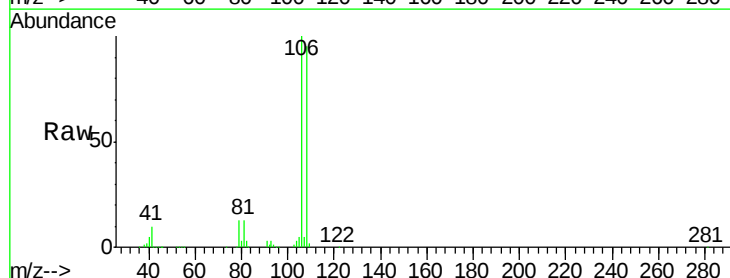
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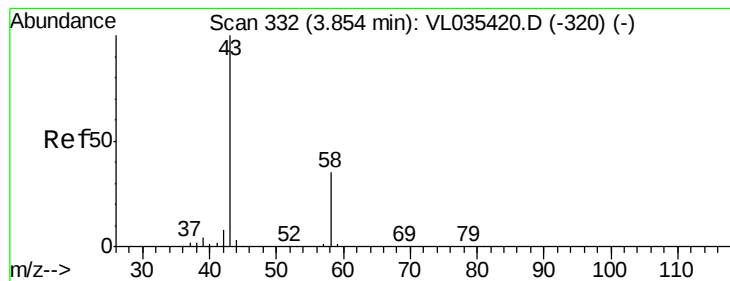
MMDadoda
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#14
Bromoethene
Concen: 19.512 ppbv
RT: 3.74 min Scan# 297
Delta R.T. 0.00 min
Lab File: VL035420.D
Acq: 17 Aug 2020 14:10

Tgt Ion	Ratio	Lower	Upper
108	100		
106	105.2	86.7	130.1
79	13.2	16.8	25.2#





#15

Acetone

Concen: 6.938 ppbv

RT: 3.85 min Scan# 332

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 43 Resp: 997005

Ion Ratio Lower Upper

43 100

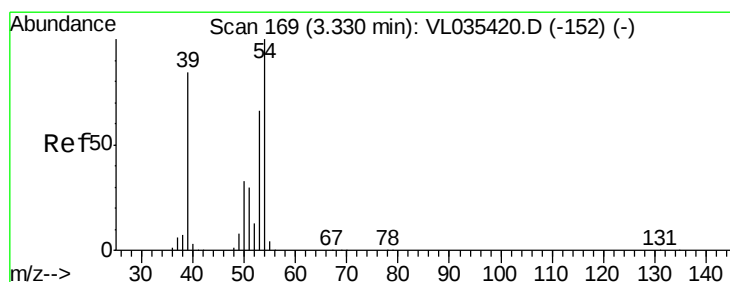
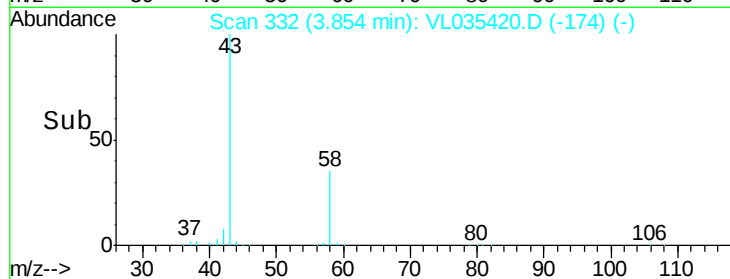
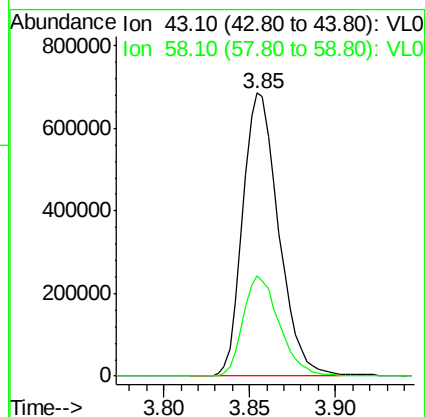
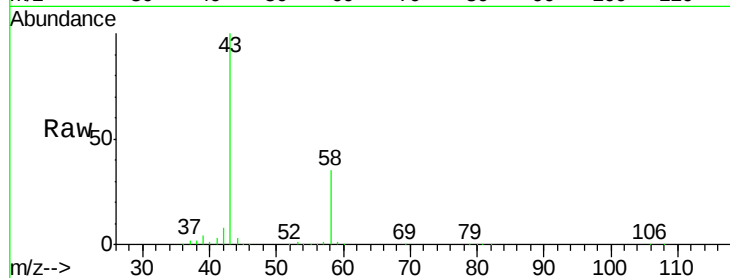
58 35.8 21.0 31.6#

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#16

1,3-Butadiene

Concen: 7.062 ppbv

RT: 3.33 min Scan# 169

Delta R.T. 0.01 min

Lab File: VL035420.D

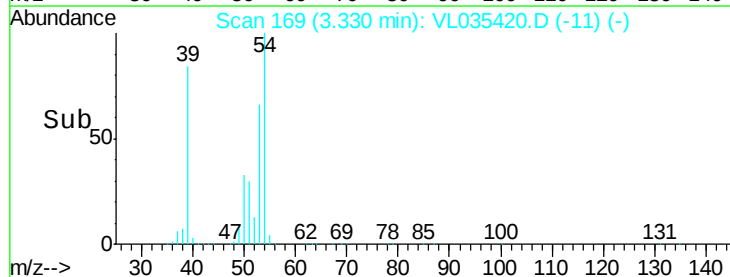
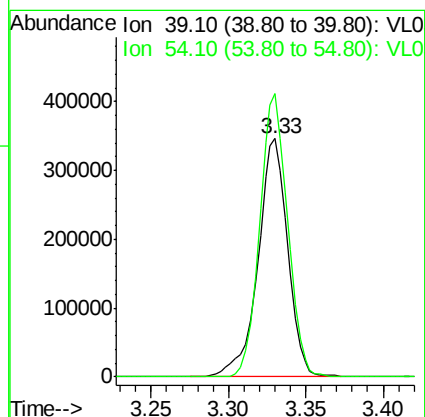
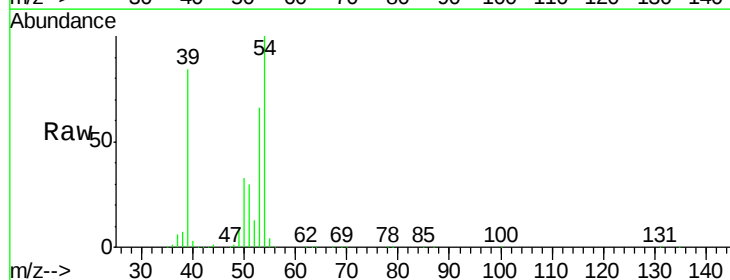
Acq: 17 Aug 2020 14:10

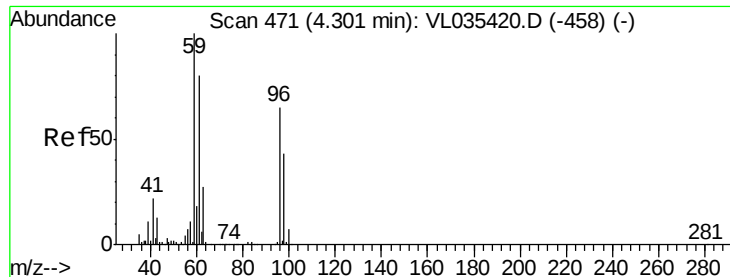
Tgt Ion: 39 Resp: 464857

Ion Ratio Lower Upper

39 100

54 111.9 64.4 96.6#





#17

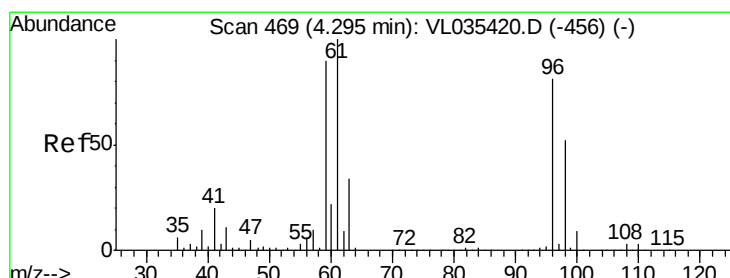
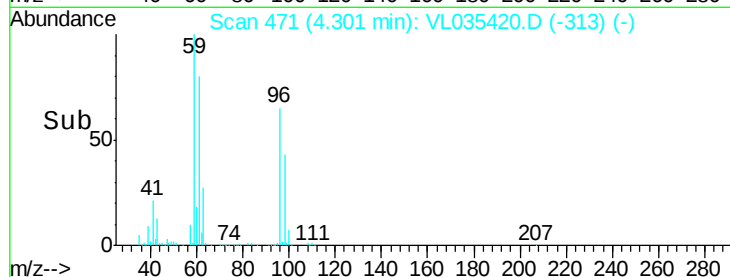
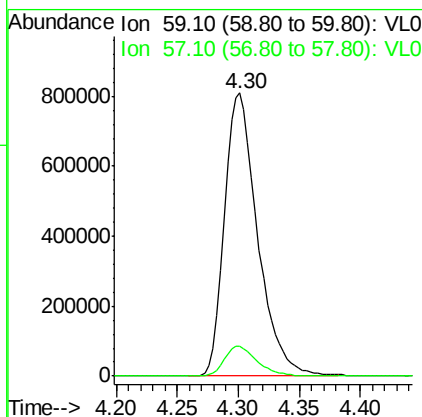
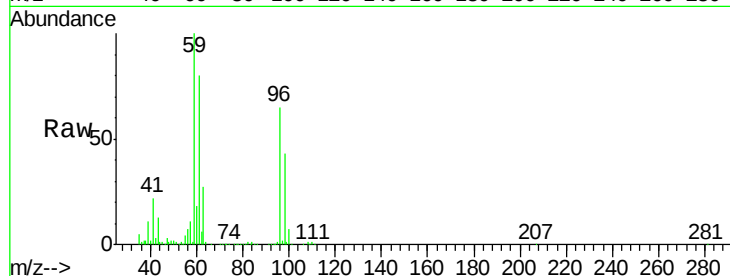
tert-Butyl alcohol
 Concen: 11.297 ppbv
 RT: 4.30 min Scan# 471
 Delta R.T. 0.01 min
 Lab File: VL035420.D
 Acq: 17 Aug 2020 14:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 59 Resp: 1540827
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.9 13.3

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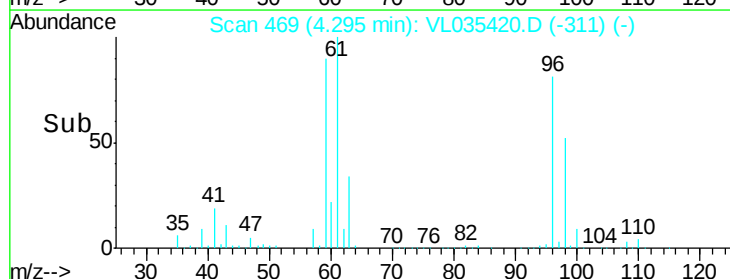
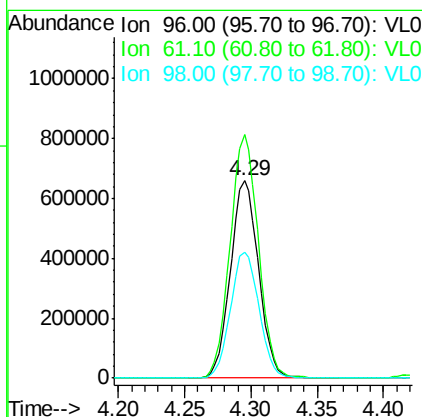
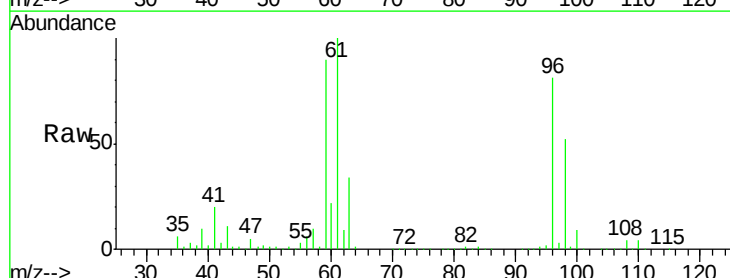
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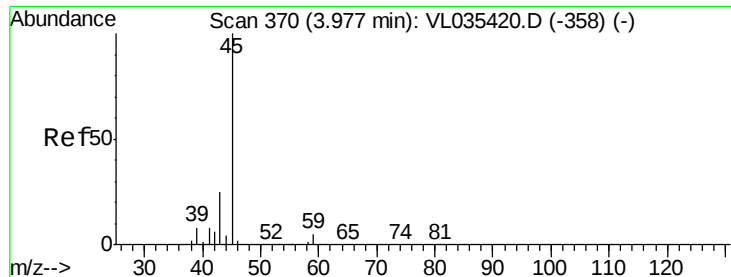


#18

1,1-Dichloroethene
 Concen: 19.098 ppbv
 RT: 4.29 min Scan# 469
 Delta R.T. 0.01 min
 Lab File: VL035420.D
 Acq: 17 Aug 2020 14:10

Tgt Ion: 96 Resp: 972610
 Ion Ratio Lower Upper
 96 100
 61 123.5 161.8 242.6#
 98 63.7 49.3 73.9





#19

Isopropyl Alcohol

Concen: 7.898 ppbv

RT: 3.98 min Scan# 370

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 45 Resp: 800400

Ion Ratio Lower Upper

45 100

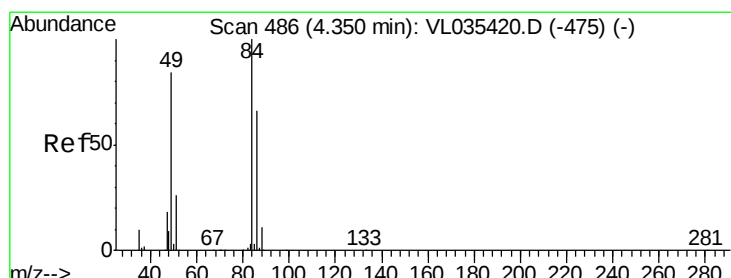
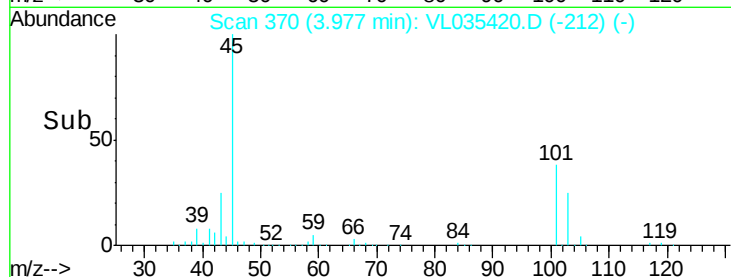
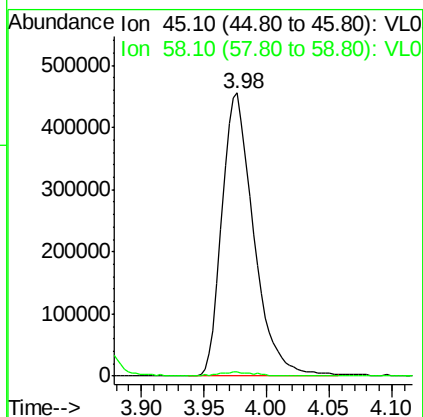
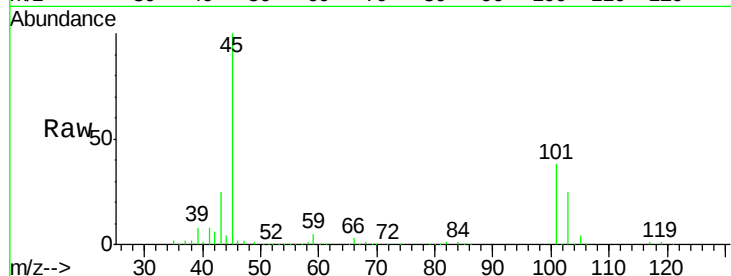
58 2.0 1.0 1.6#

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#20

Methylene Chloride

Concen: 14.990 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Tgt Ion: 84 Resp: 799081

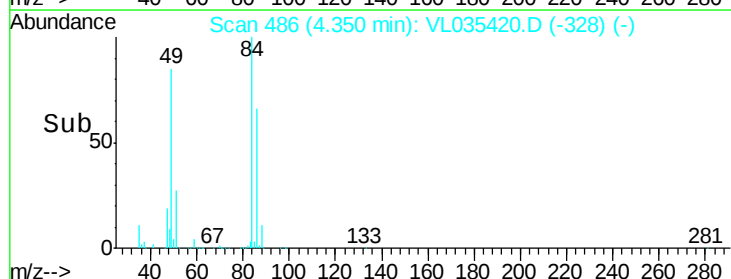
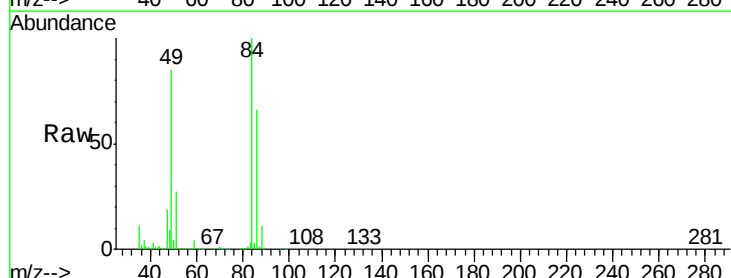
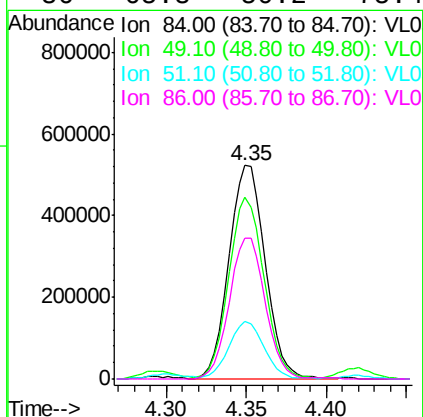
Ion Ratio Lower Upper

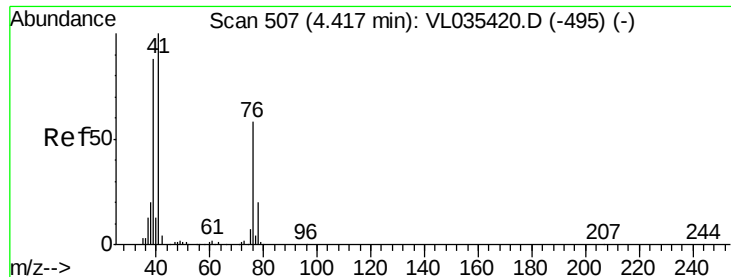
84 100

49 84.2 118.6 177.8#

51 26.4 36.4 54.6#

86 65.8 50.2 75.4





#21

Allvl Chloride

Concen: 7.312 ppbv

RT: 4.42 min Scan# 507

Delta R.T. 0.00 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Instrument :

MSVOA_L

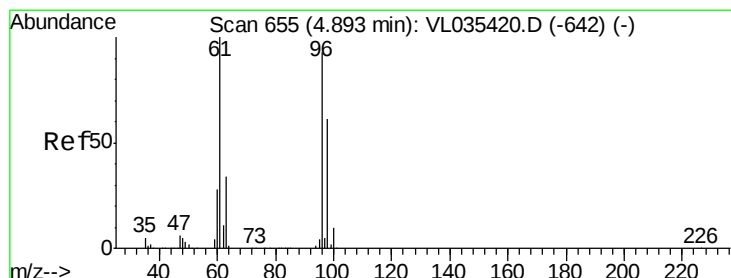
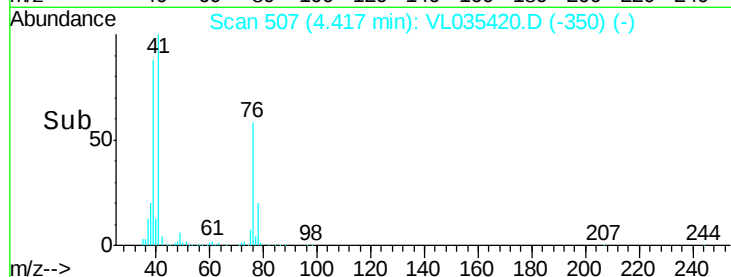
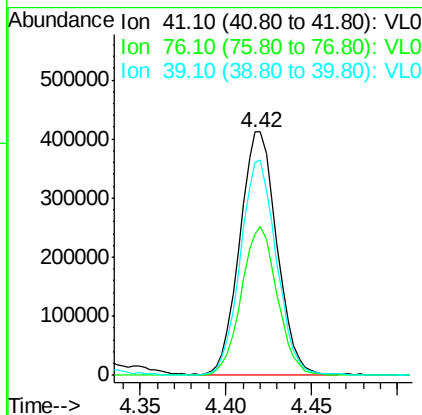
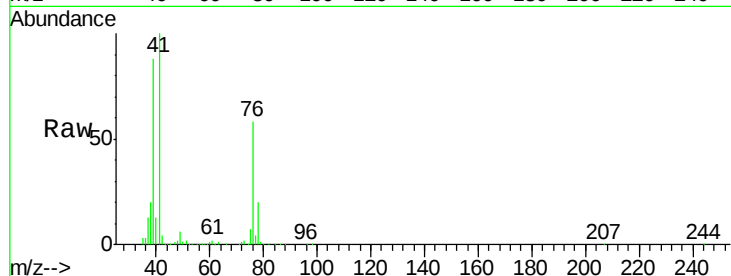
ClientSampleId :

VSTDICCC010

Tot Ion:	41	Resp:	613997
Ion Ratio		Lower	Upper
41	100		
76	59.6	22.8	34.2#
39	86.5	66.2	99.2

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#22

trans-1,2-Dichloroethene

Concen: 20.250 ppbv

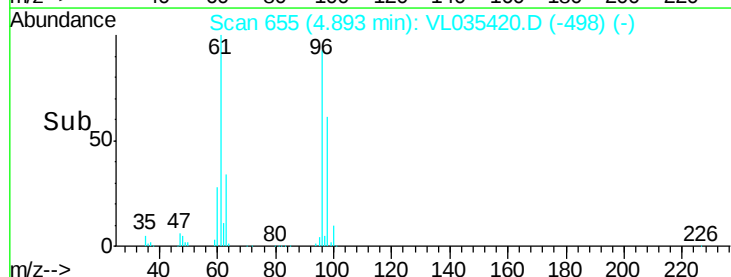
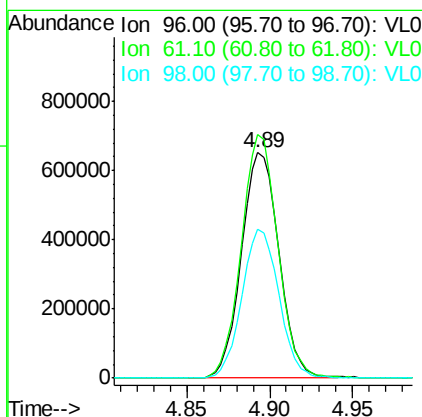
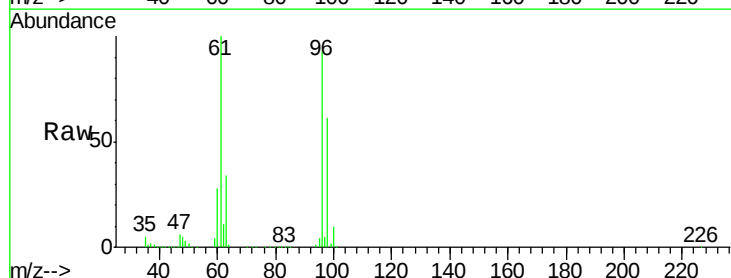
RT: 4.89 min Scan# 655

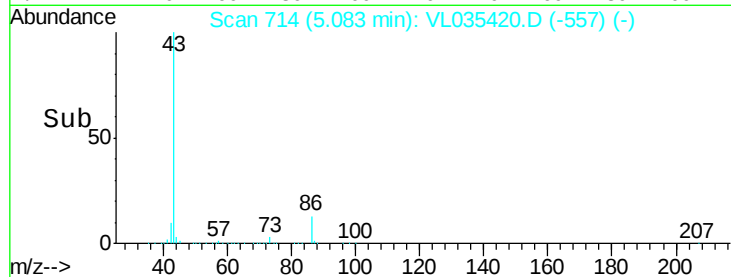
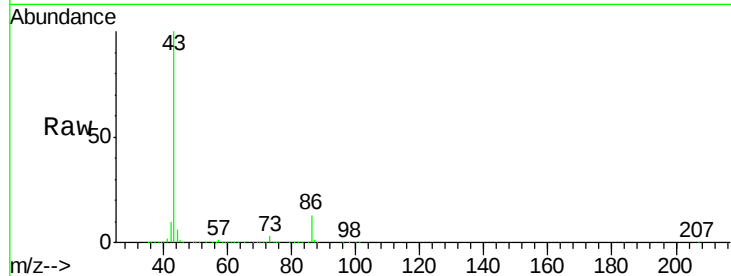
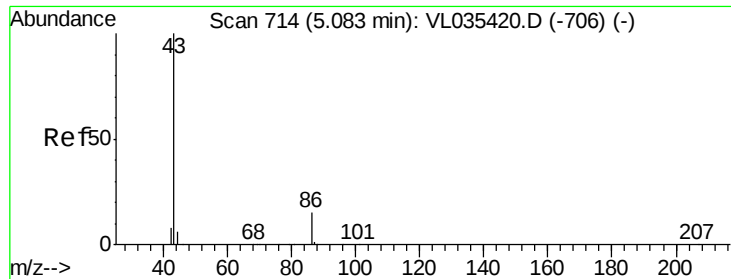
Delta R.T. 0.00 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Tgt Ion:	96	Resp:	1027289
Ion Ratio		Lower	Upper
96	100		
61	107.9	142.2	213.2#
98	65.9	51.8	77.8





#23

Vinyl Acetate

Concen: 8.153 ppbv

RT: 5.08 min Scan# 714

Delta R.T. 0.00 min

Lab File: VL035420.D

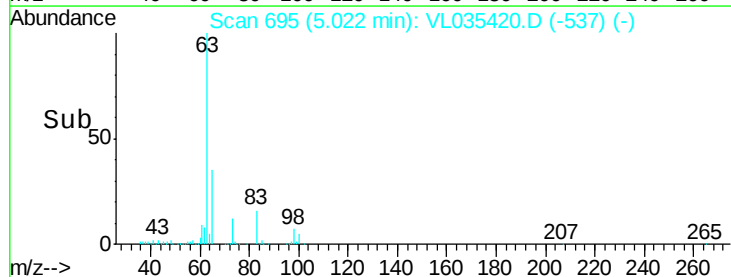
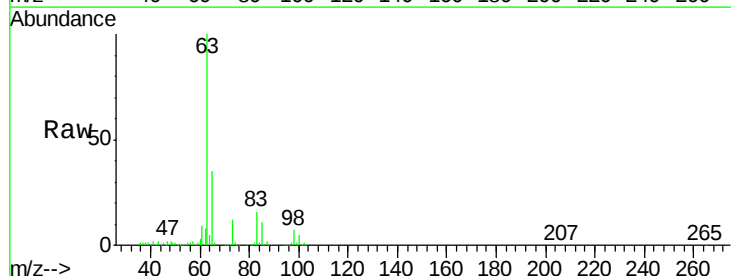
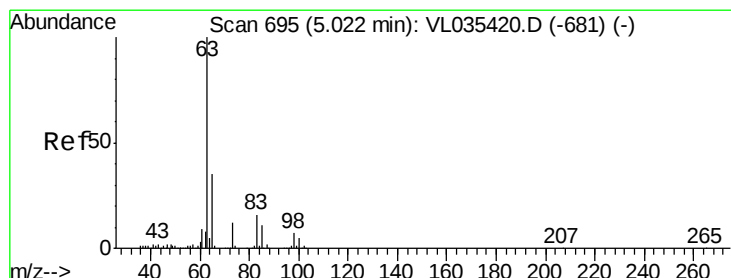
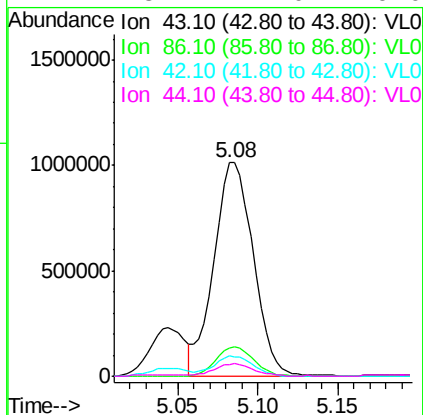
Acq: 17 Aug 2020 14:10

Tot Ion	43	Resp	1717397
Ion	Ratio	Lower	Upper
43	100		
86	13.1	6.5	9.7#
42	9.6	8.3	12.5
44	5.4	4.0	6.0

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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#24

1,1-Dichloroethane

Concen: 10.692 ppbv

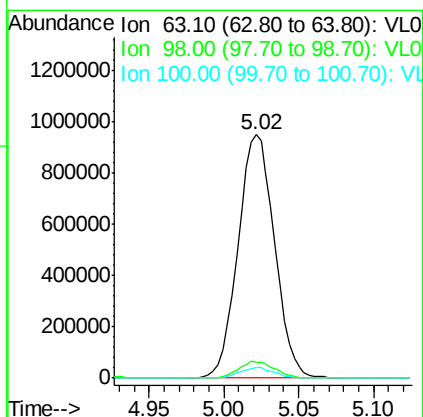
RT: 5.02 min Scan# 695

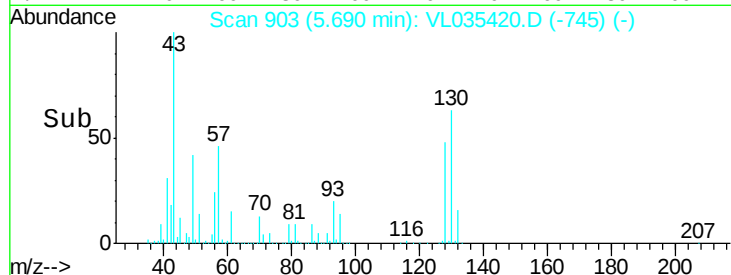
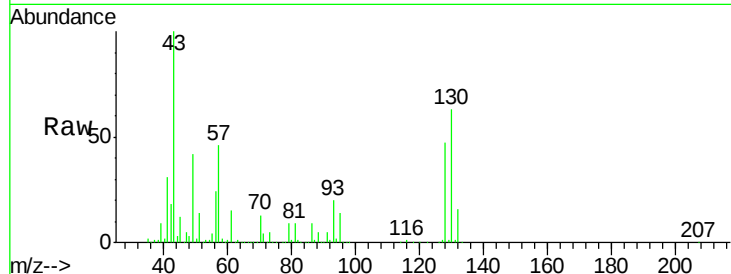
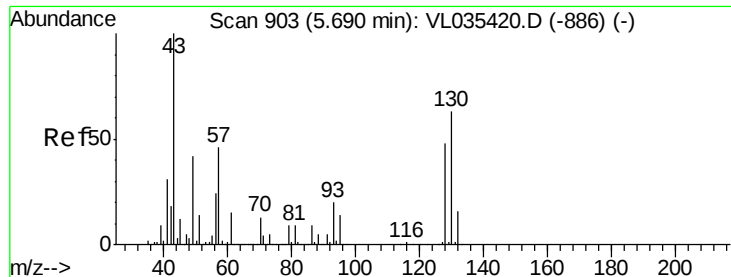
Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Tgt Ion	63	Resp	1605551
Ion	Ratio	Lower	Upper
63	100		
98	6.6	2.1	6.5#
100	4.5	1.3	3.8#





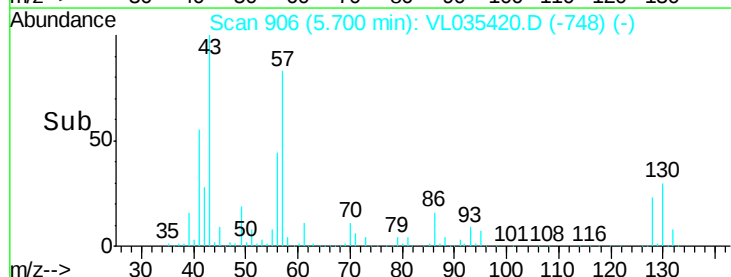
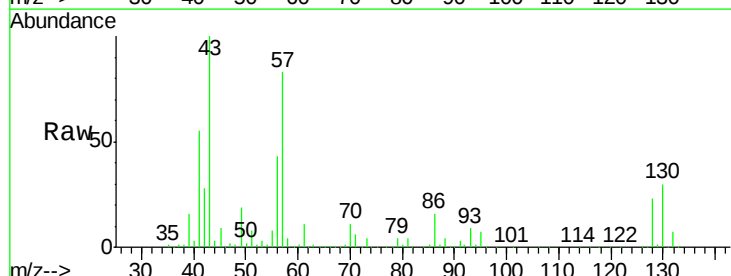
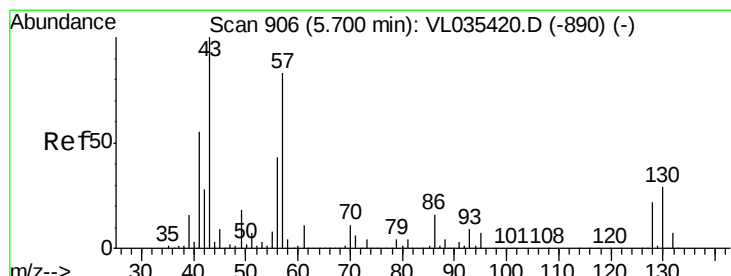
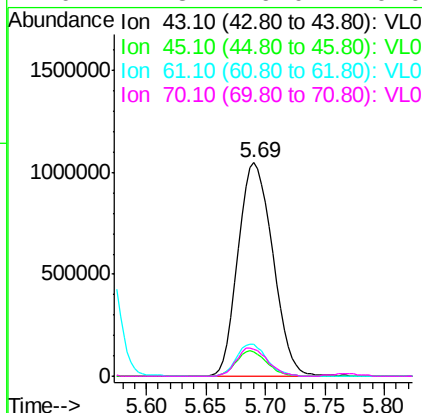
#25
Ethyl Acetate
Concen: 7.384 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.01 min
Lab File: VL035420.D
Acq: 17 Aug 2020 14:10

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.6	8.3	12.5	
61	13.5	7.6	11.4	
70	11.8	6.0	9.0	

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

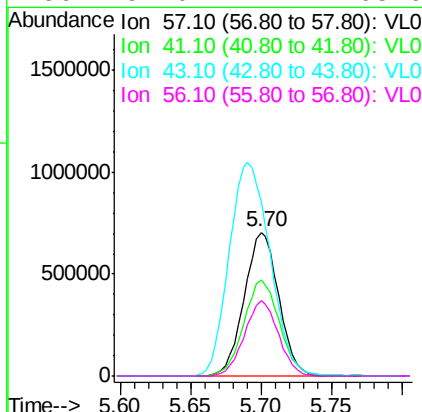
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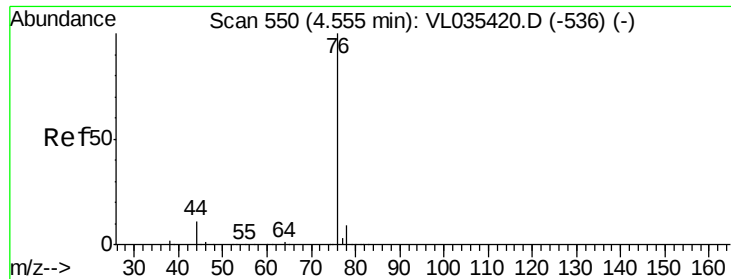
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#26
Hexane
Concen: 9.648 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.01 min
Lab File: VL035420.D
Acq: 17 Aug 2020 14:10

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	70.2	75.5	113.3	
43	176.4	181.7	272.5	
56	52.0	42.4	63.6	





#27

Carbon Disulfide

Concen: 16.457 ppbv

RT: 4.56 min Scan# 550

Delta R.T. 0.00 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 76 Resp: 2003527

Ion Ratio Lower Upper

76 100

44 11.1 16.8 25.2#

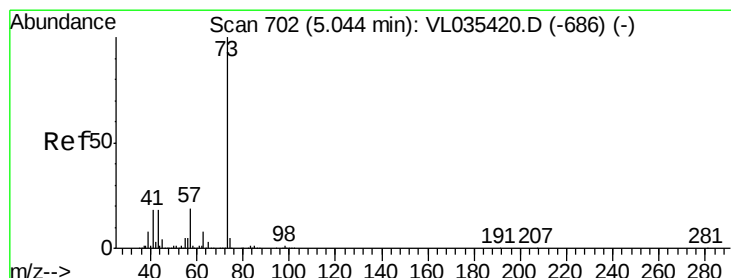
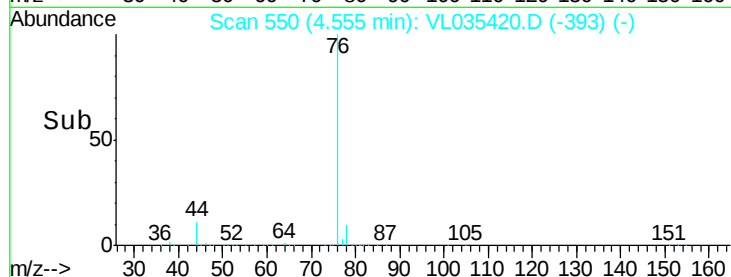
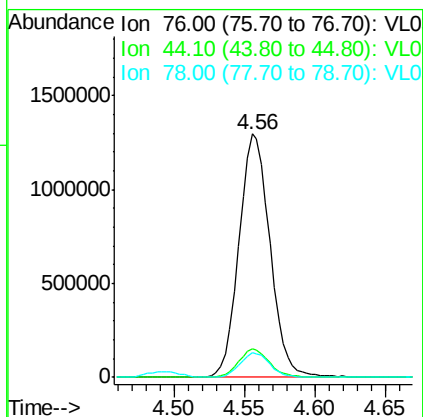
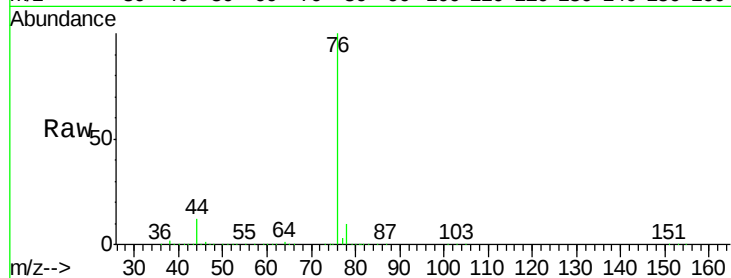
78 9.6 7.3 10.9

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#28

Methyl tert-Butyl Ether

Concen: 12.002 ppbv

RT: 5.04 min Scan# 702

Delta R.T. 0.01 min

Lab File: VL035420.D

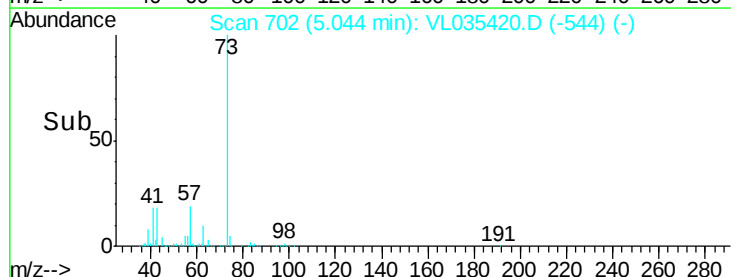
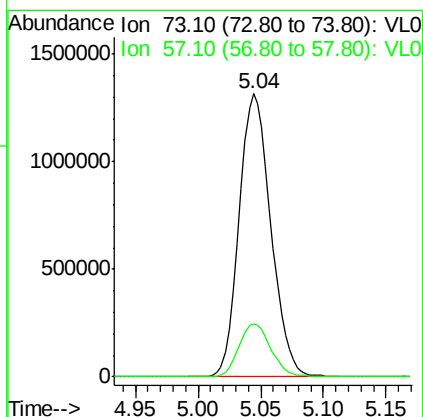
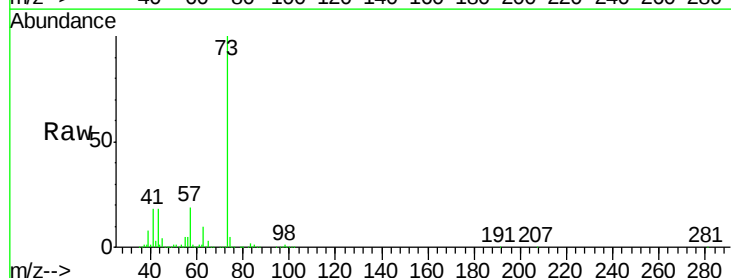
Acq: 17 Aug 2020 14:10

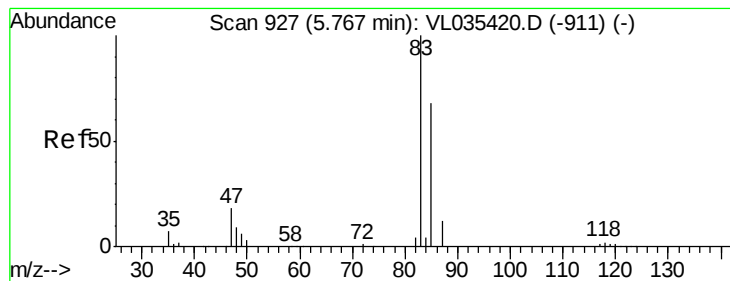
Tgt Ion: 73 Resp: 2315854

Ion Ratio Lower Upper

73 100

57 18.9 18.3 27.5





#29

Chloroform

Concen: 12.896 ppbv

RT: 5.77 min Scan# 927

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 83 Resp: 2476403

Ion Ratio Lower Upper

83 100

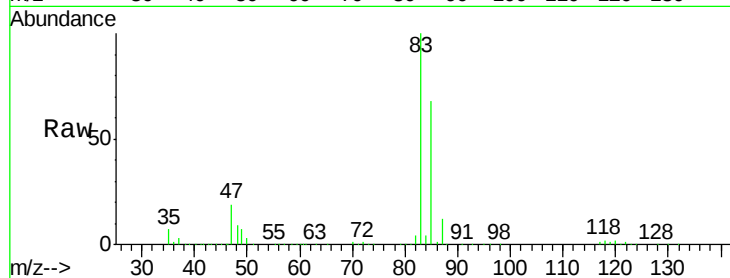
85 67.5 52.7 79.1

Manual Integrations

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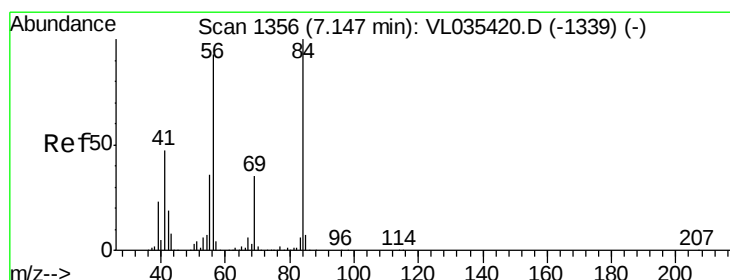
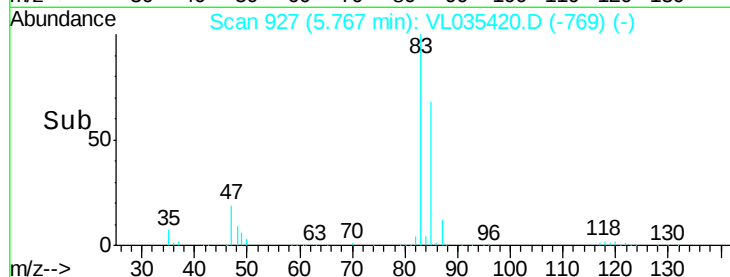
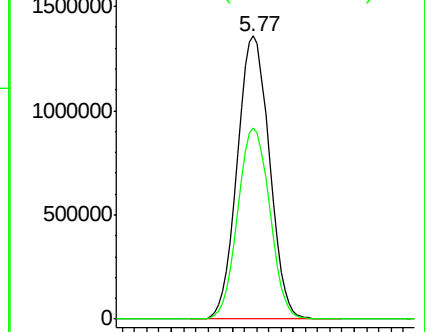
MMDadoda

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Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 14.394 ppbv

RT: 7.15 min Scan# 1356

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

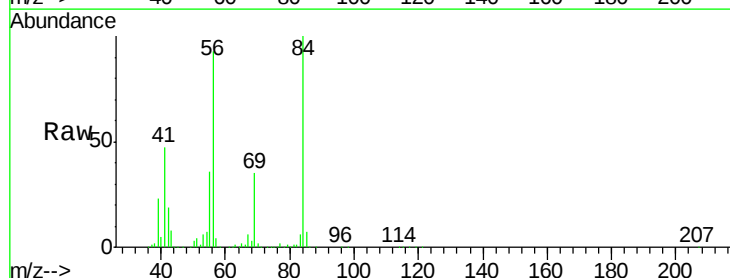
Tgt Ion: 84 Resp: 1428977

Ion Ratio Lower Upper

84 100

56 99.3 114.9 172.3#

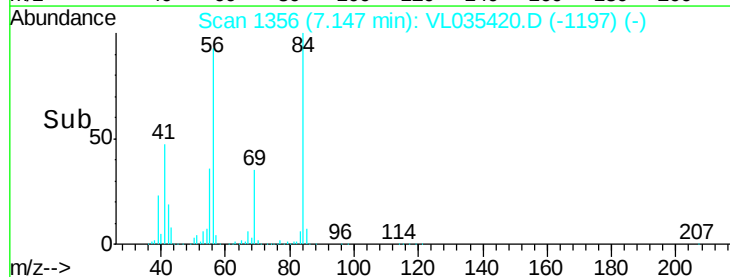
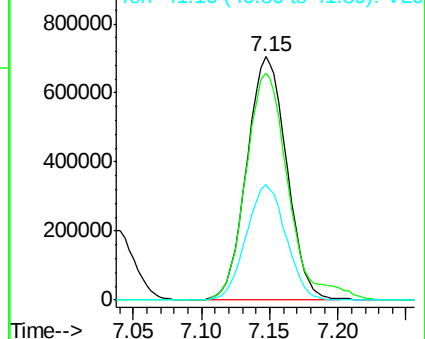
41 47.3 72.3 108.5#

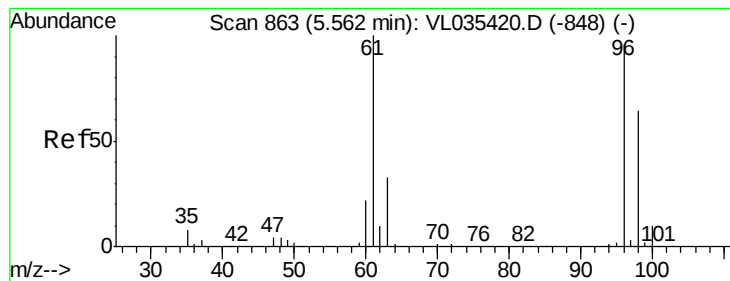


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0





#31

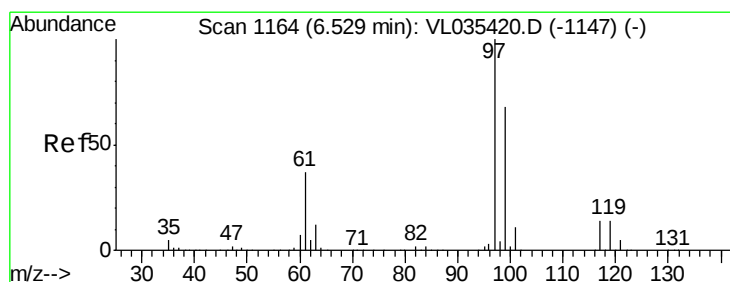
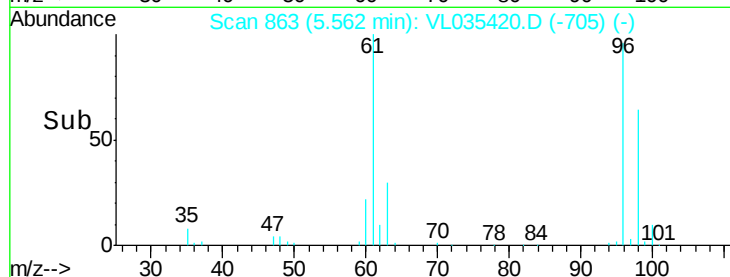
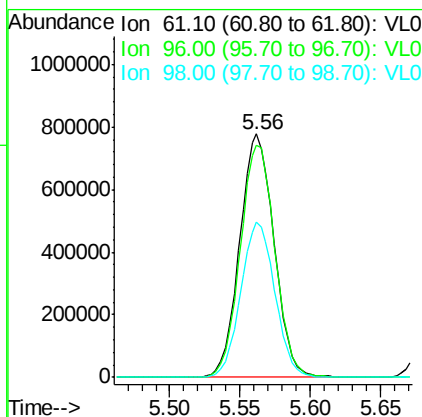
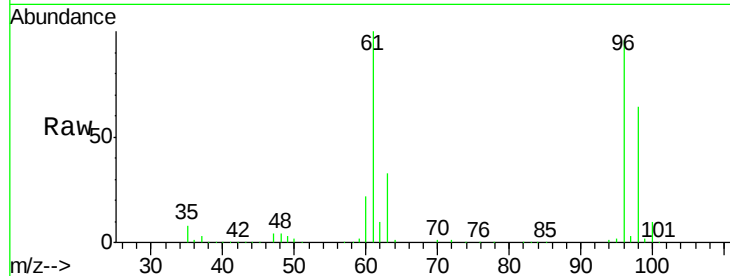
cis-1,2-Dichloroethene
Concen: 10.426 ppbv
RT: 5.56 min Scan# 863
Delta R.T. 0.01 min
Lab File: VL035420.D
Acq: 17 Aug 2020 14:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	95.6	51.4	77.0#
98	63.5	32.9	49.3#

Manual Integrations
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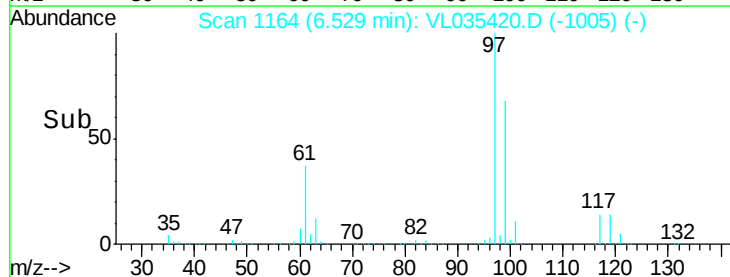
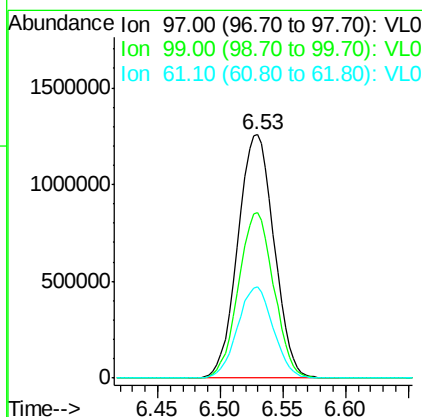
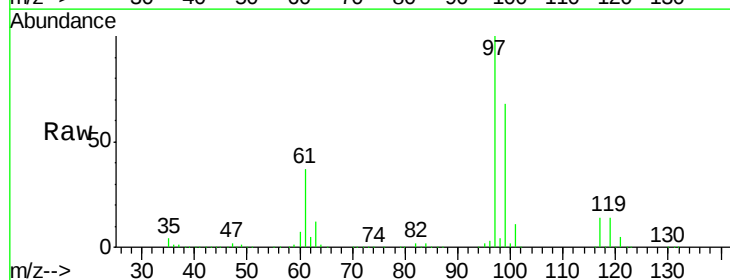
MMDadoda
8/20/2020 11:05:35 AM

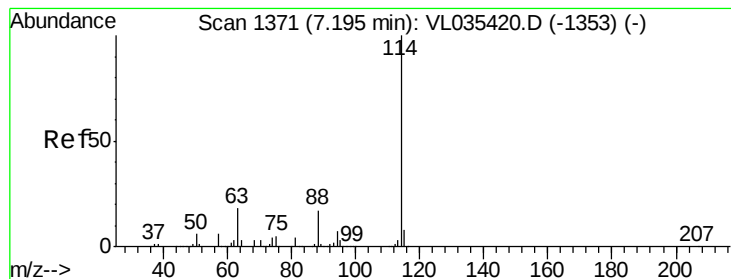


#32

1,1,1-Trichloroethane
Concen: 13.237 ppbv
RT: 6.53 min Scan# 1164
Delta R.T. 0.01 min
Lab File: VL035420.D
Acq: 17 Aug 2020 14:10

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.2	51.4	77.0
61	36.9	41.0	61.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.20 min Scan# 1371

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:114 Resp: 5098776

Ion Ratio Lower Upper

114 100

63 17.6 23.1 34.7#

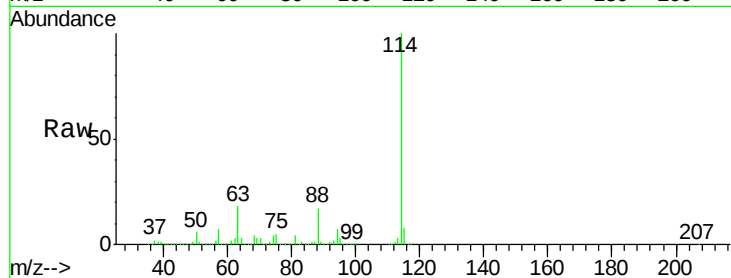
88 16.3 15.9 23.9

Manual Integrations

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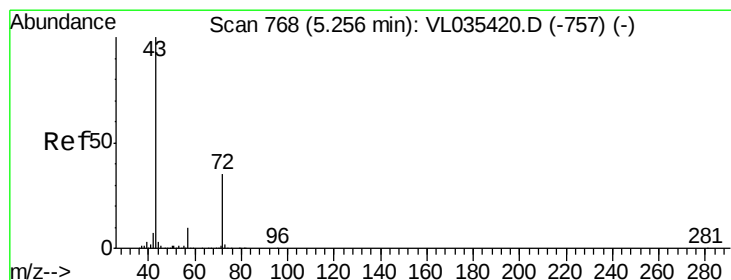
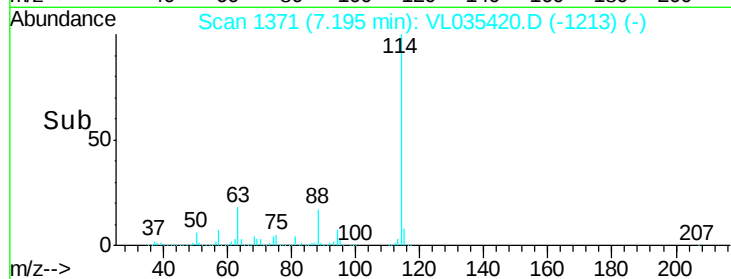
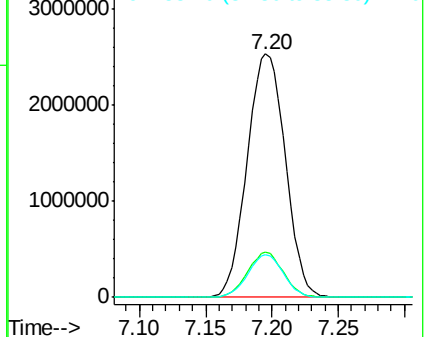
8/20/2020 11:05:35 AM



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 3.819 ppbv

RT: 5.26 min Scan# 768

Delta R.T. 0.01 min

Lab File: VL035420.D

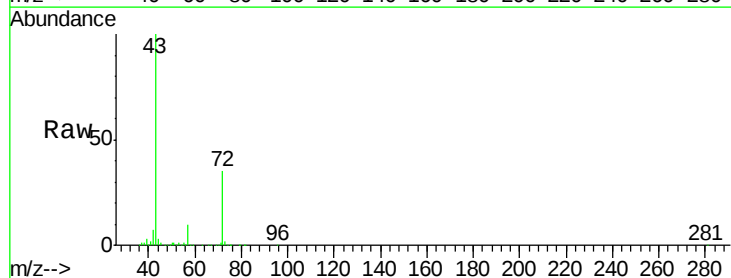
Acq: 17 Aug 2020 14:10

Tgt Ion: 43 Resp: 1501738

Ion Ratio Lower Upper

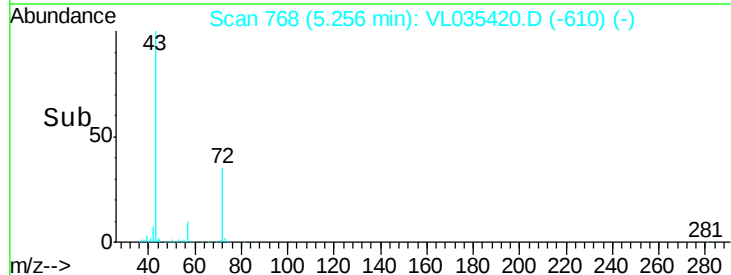
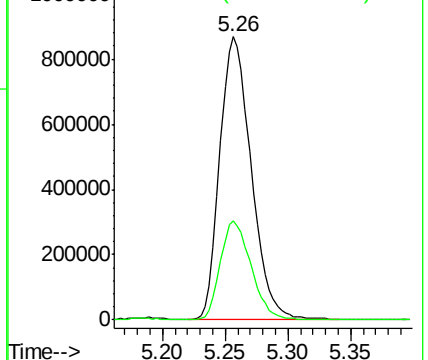
43 100

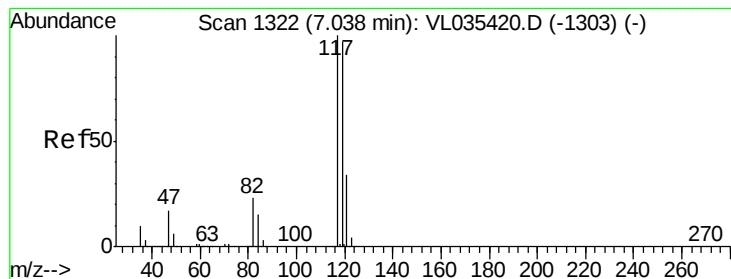
72 34.5 17.6 26.4#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 7.161 ppbv

RT: 7.04 min Scan# 1322

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:117 Resp: 2712552

Ion Ratio Lower Upper

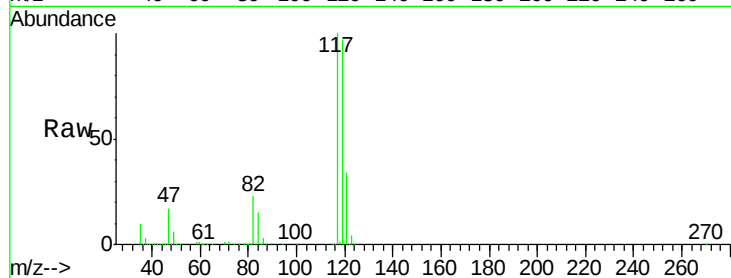
117 100

119 97.3 76.1 114.1

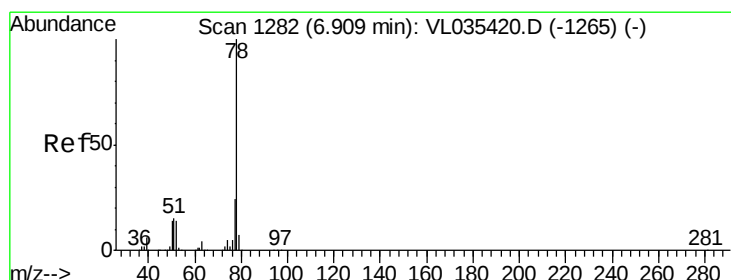
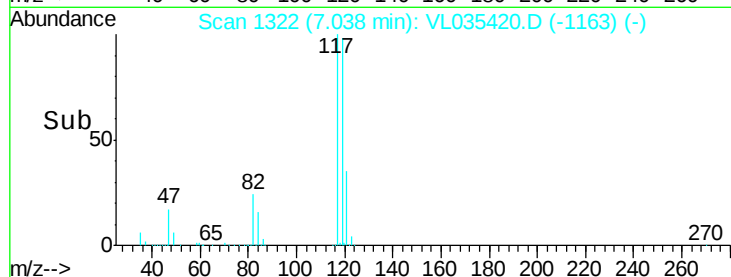
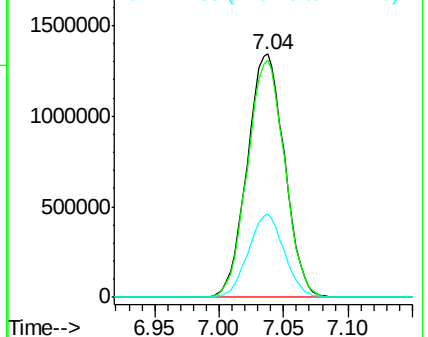
121 34.3 25.5 38.3

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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: 6.301 ppbv

RT: 6.91 min Scan# 1282

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

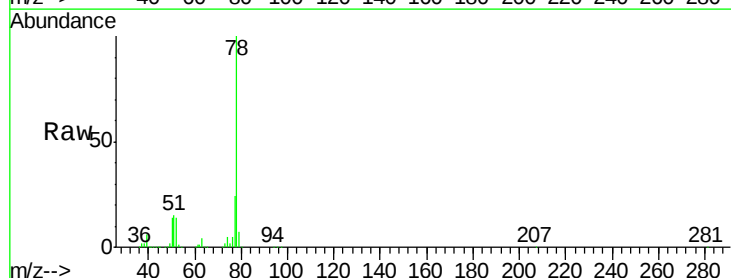
Tgt Ion: 78 Resp: 3260723

Ion Ratio Lower Upper

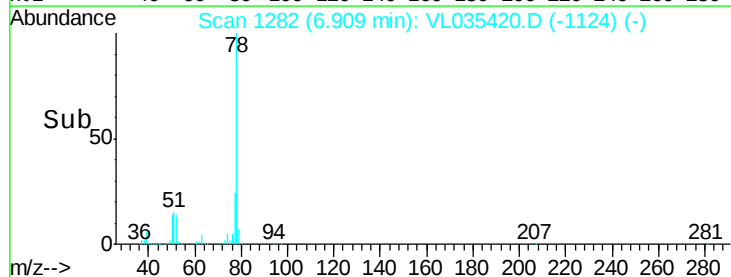
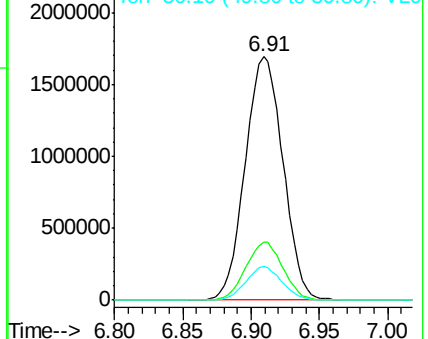
78 100

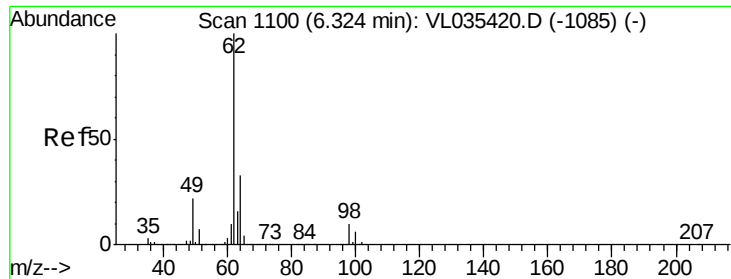
77 23.7 19.6 29.4

50 13.9 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





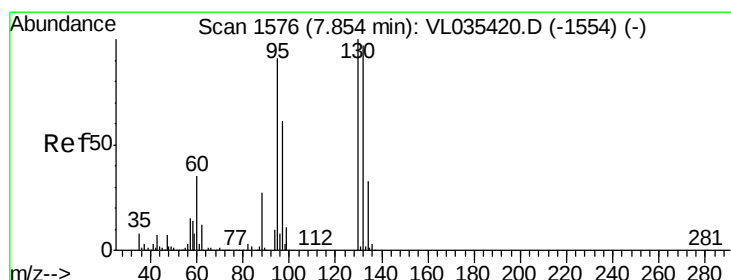
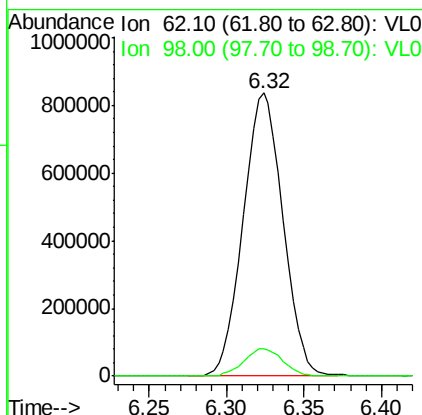
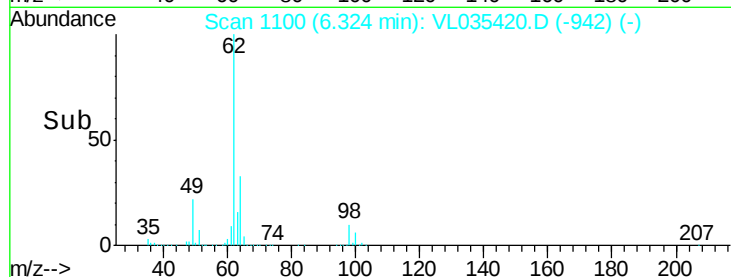
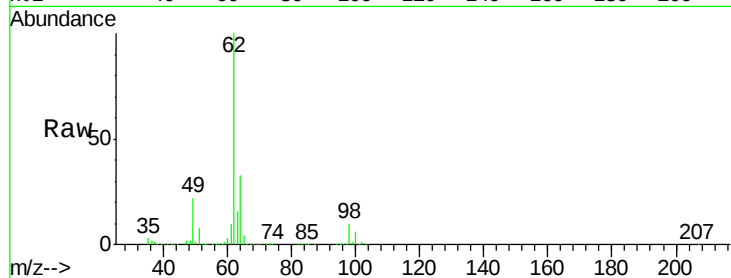
#37
 1,2-Dichloroethane
 Concen: 4.695 ppbv
 RT: 6.32 min Scan# 1100
 Delta R.T. 0.01 min
 Lab File: VL035420.D
 Acq: 17 Aug 2020 14:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
62	100		
98	9.6	4.6	7.0#

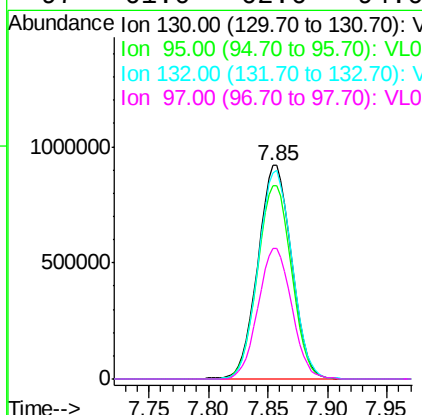
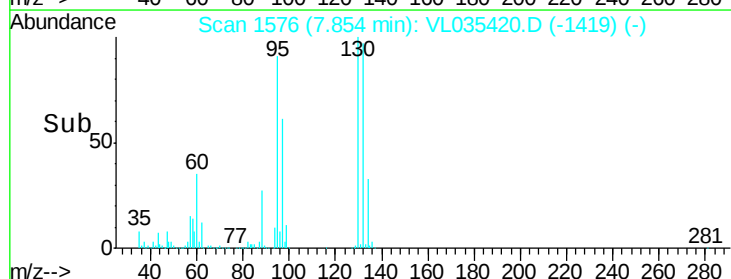
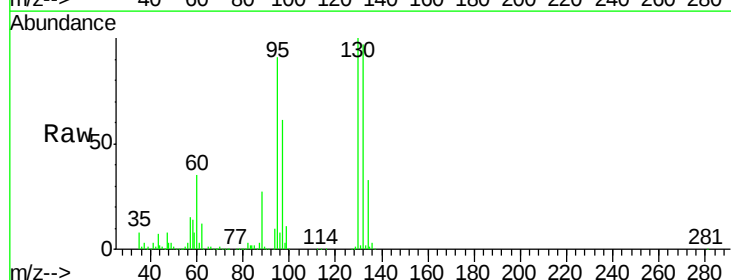
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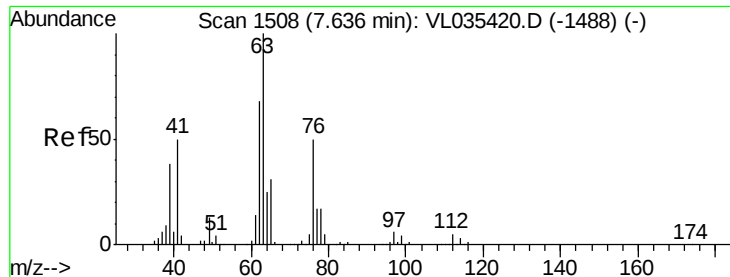
MMDadoda
 8/20/2020 11:05:35 AM



#38
 Trichloroethene
 Concen: 9.053 ppbv
 RT: 7.85 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VL035420.D
 Acq: 17 Aug 2020 14:10

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.6	95.8	143.8#
132	96.7	74.3	111.5
97	61.0	62.6	94.0#





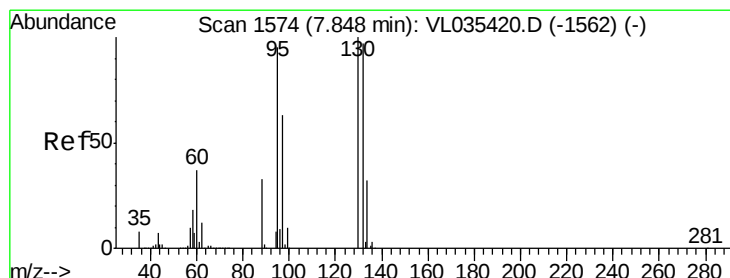
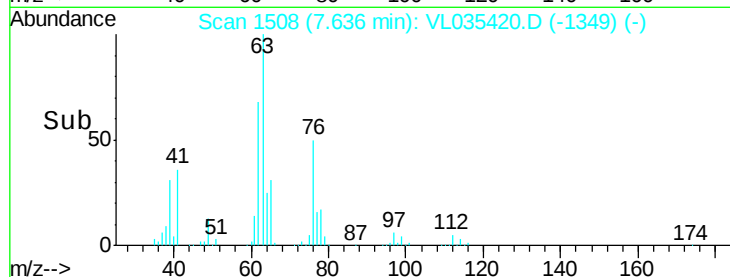
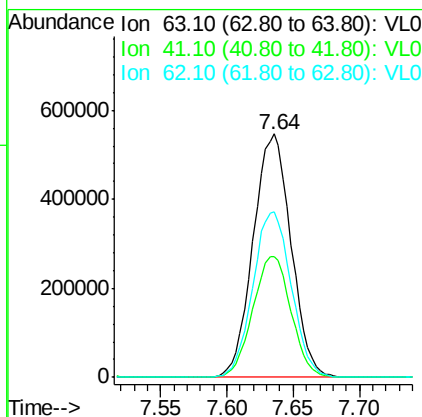
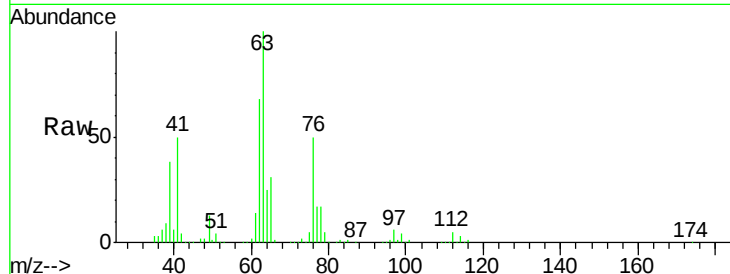
#39
 1,2-Dichloropropane
 Concen: 5.210 ppbv
 RT: 7.64 min Scan# 1508
 Delta R.T. 0.01 min
 Lab File: VL035420.D
 Acq: 17 Aug 2020 14:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
63	100		
41	49.6	61.1	91.7#
62	68.2	55.3	82.9

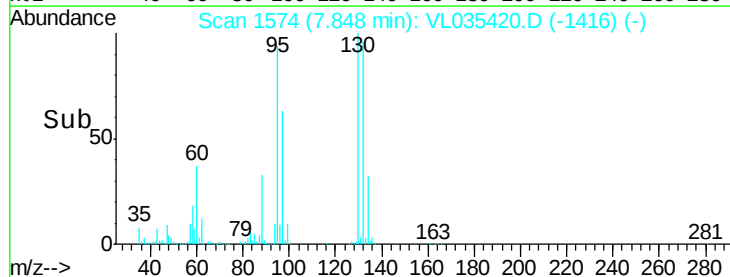
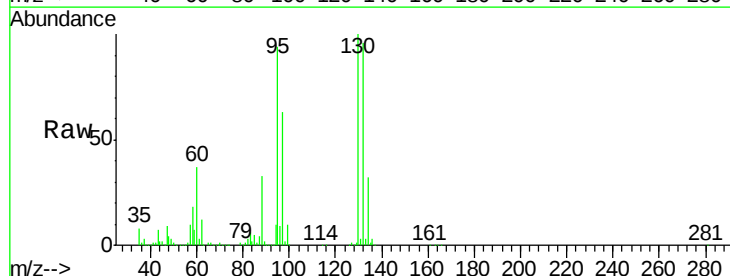
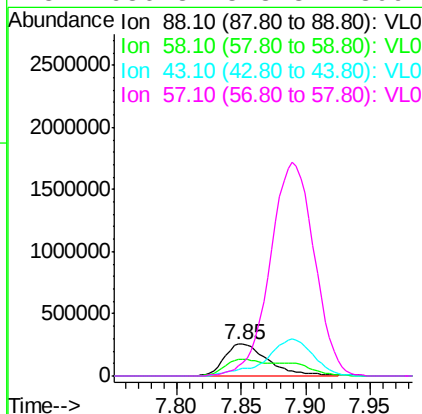
Manual Integrations
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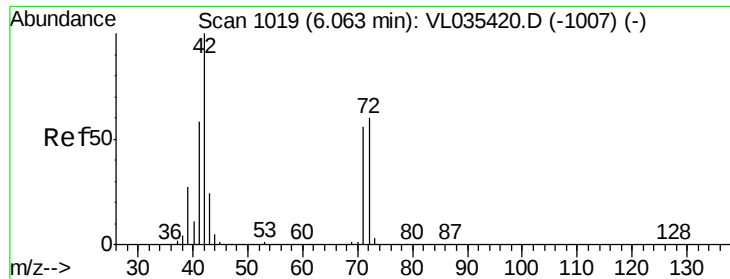
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#40
 1,4-Dioxane
 Concen: 7.428 ppbv
 RT: 7.85 min Scan# 1574
 Delta R.T. 0.01 min
 Lab File: VL035420.D
 Acq: 17 Aug 2020 14:10

Tgt Ion	Ratio	Lower	Upper
88	100		
58	84.6	106.6	160.0#
43	126.9	209.7	314.5#
57	686.3	873.3	1309.9#





#41

Tetrahydrofuran

Concen: 3.917 ppbv

RT: 6.06 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Instrument :

MSVOA_L

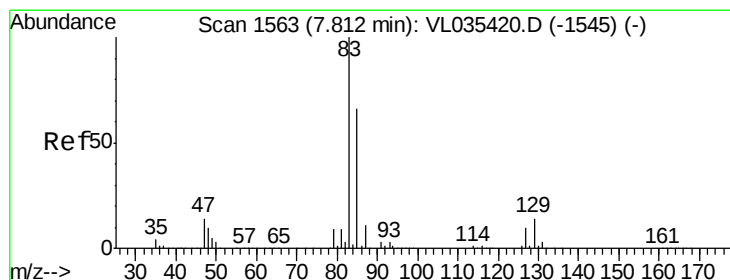
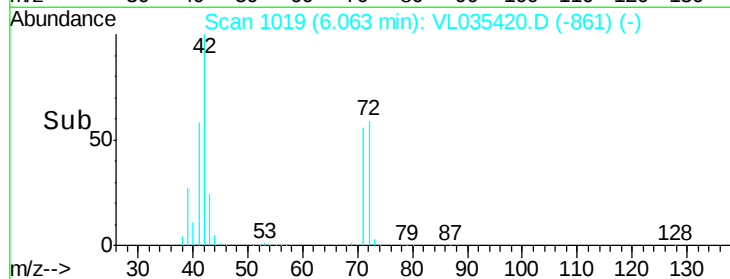
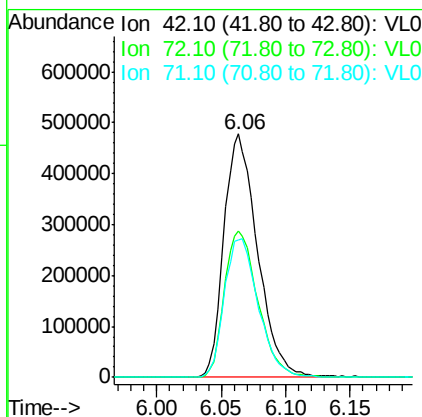
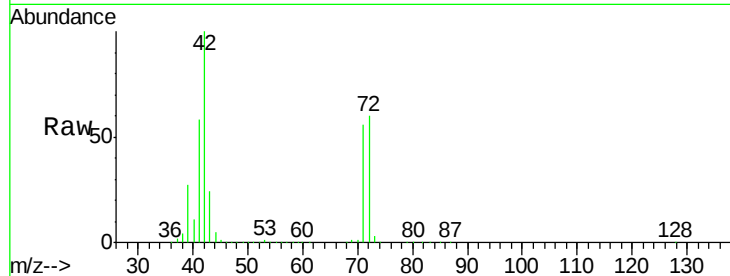
ClientSampleId :

VSTDICCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	60.4	29.4	44.2#
71	57.9	28.9	43.3#

Manual Integrations
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#42

Bromodichloromethane

Concen: 6.519 ppbv

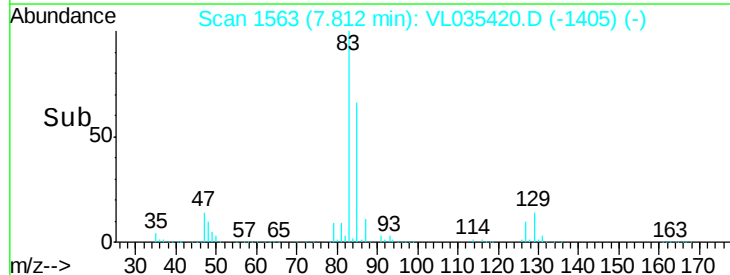
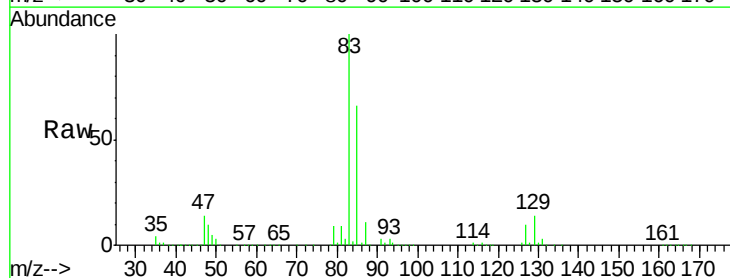
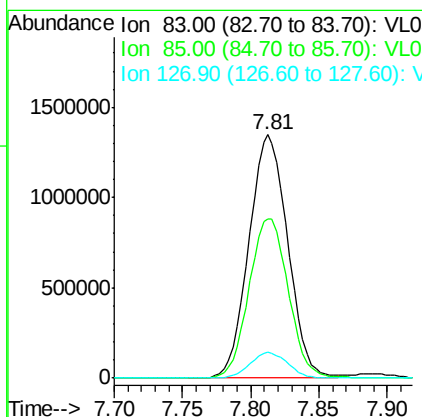
RT: 7.81 min Scan# 1563

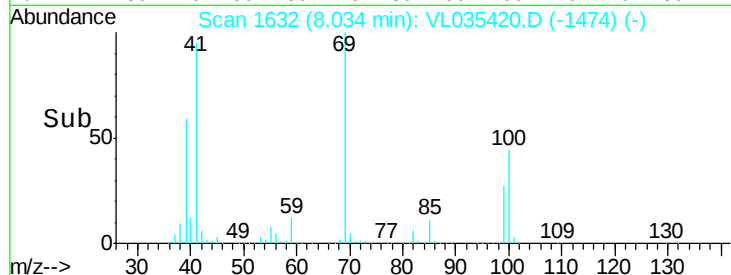
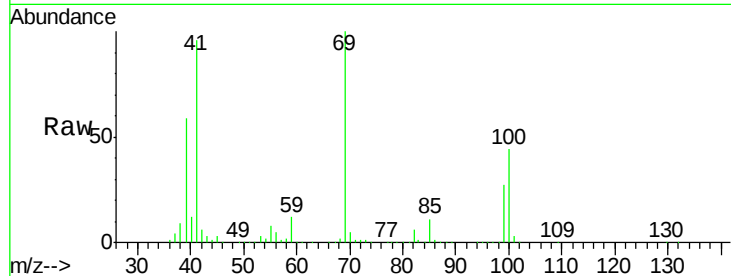
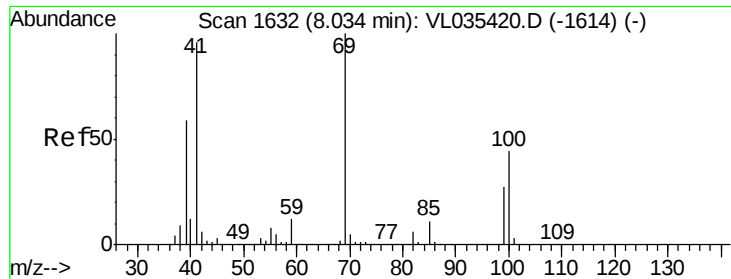
Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	54.8	82.2
127	10.4	6.1	9.1#





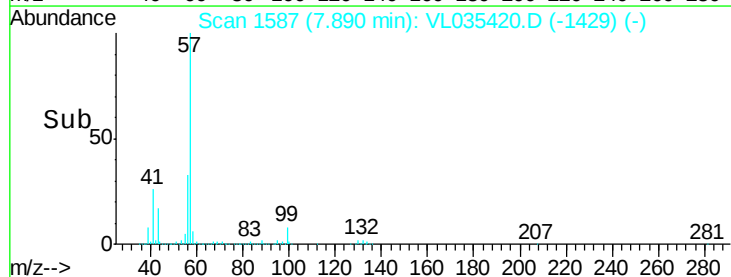
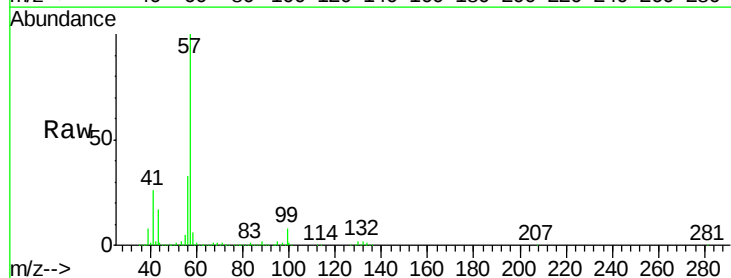
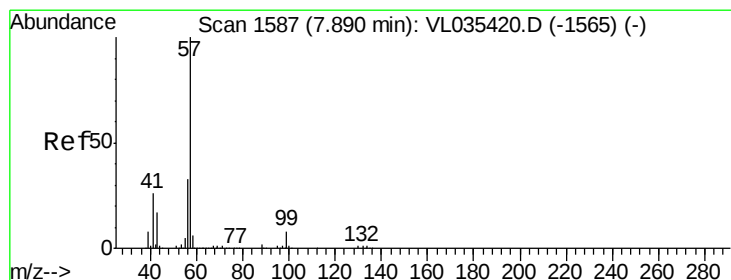
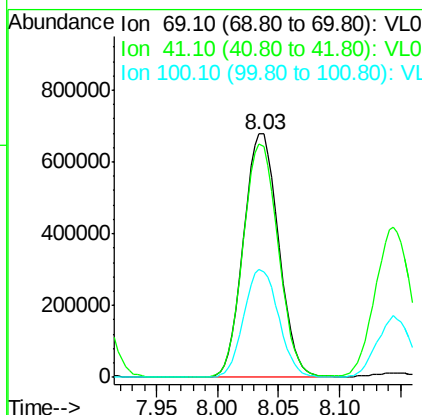
#43
Methvl Methacrylate
Concen: 5.991 ppbv
RT: 8.03 min Scan# 1632
Delta R.T. 0.01 min
Lab File: VL035420.D
Acq: 17 Aug 2020 14:10

Tot Ion: 69 Resp: 1349199
Ion Ratio Lower Upper
69 100
41 96.0 123.4 185.0#
100 43.9 24.2 36.4#

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

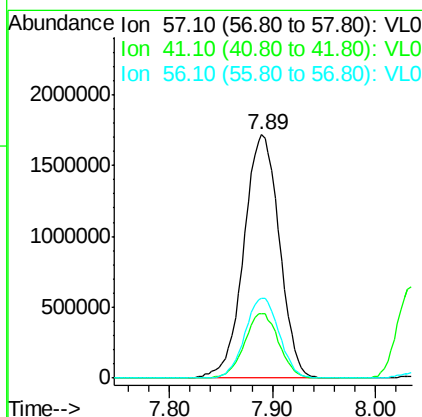
Manual Integrations
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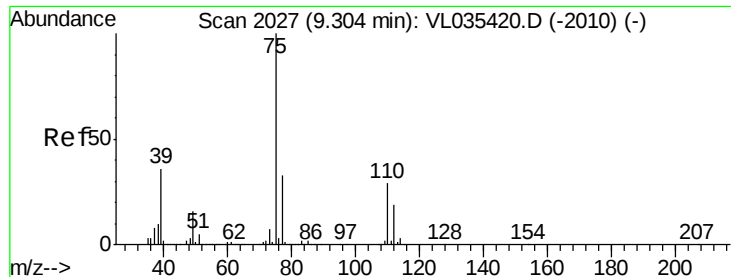
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 4.537 ppbv
RT: 7.89 min Scan# 1587
Delta R.T. 0.01 min
Lab File: VL035420.D
Acq: 17 Aug 2020 14:10

Tgt Ion: 57 Resp: 4103901
Ion Ratio Lower Upper
57 100
41 25.6 27.2 40.8#
56 31.6 25.4 38.0





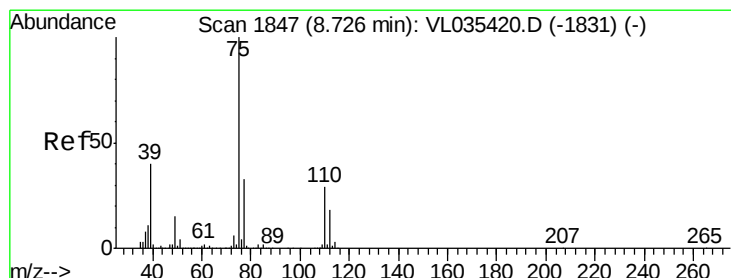
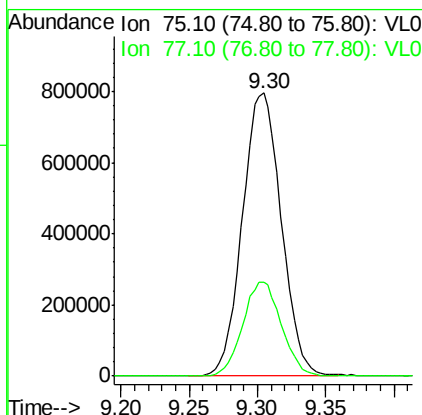
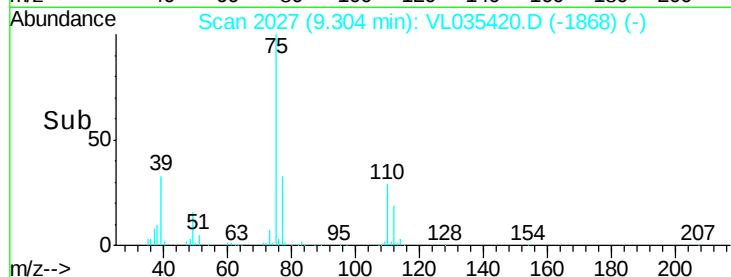
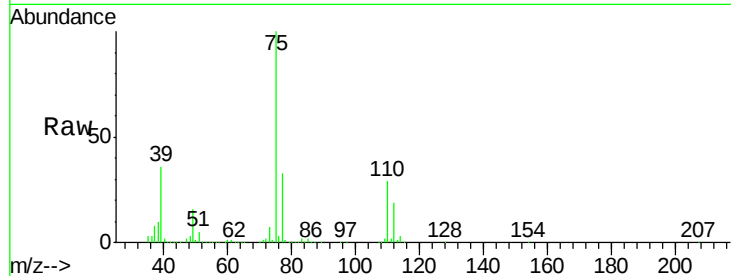
#45
 t-1,3-Dichloropropene
 Concen: 6.652 ppbv
 RT: 9.30 min Scan# 2027
 Delta R.T. 0.01 min
 Lab File: VL035420.D
 Acq: 17 Aug 2020 14:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 75 Resp: 1574075
 Ion Ratio Lower Upper
 75 100
 77 33.3 25.0 37.6

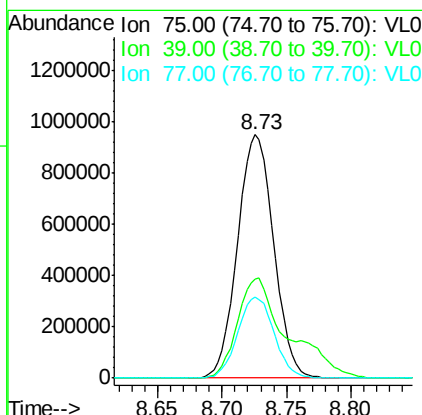
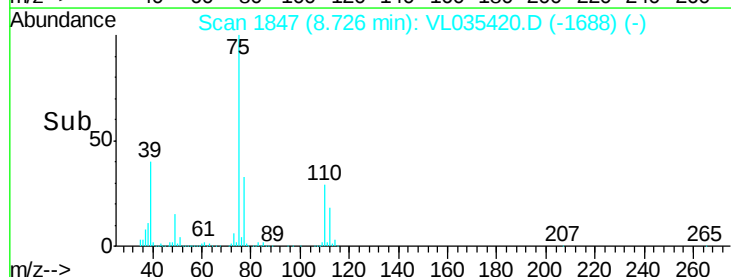
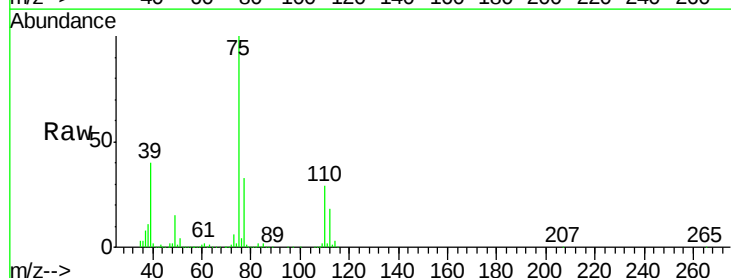
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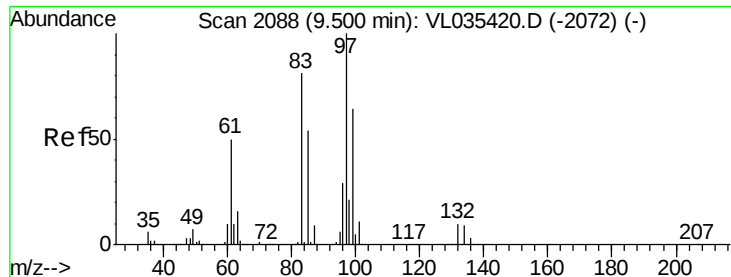
MMDadoda
 8/20/2020 11:05:35 AM



#46
 cis-1,3-Dichloropropene
 Concen: 6.476 ppbv
 RT: 8.73 min Scan# 1847
 Delta R.T. 0.01 min
 Lab File: VL035420.D
 Acq: 17 Aug 2020 14:10

Tgt Ion: 75 Resp: 1855417
 Ion Ratio Lower Upper
 75 100
 39 40.5 55.8 83.6#
 77 33.5 25.6 38.4





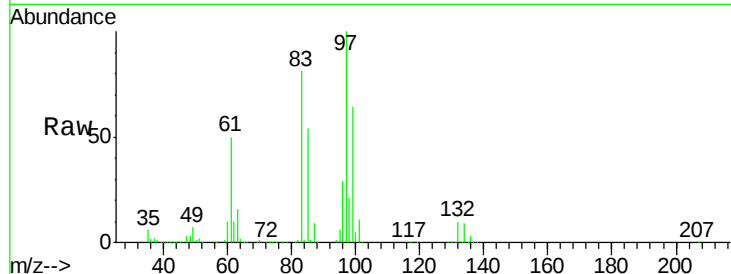
#47
 1,1,2-Trichloroethane
 Concen: 7.724 ppbv
 RT: 9.50 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VL035420.D
 Acq: 17 Aug 2020 14:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

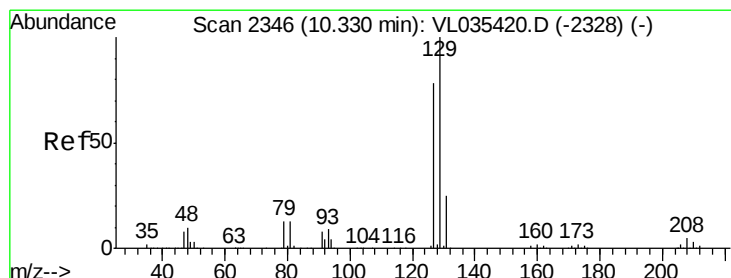
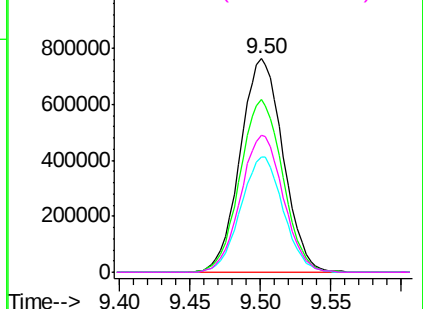
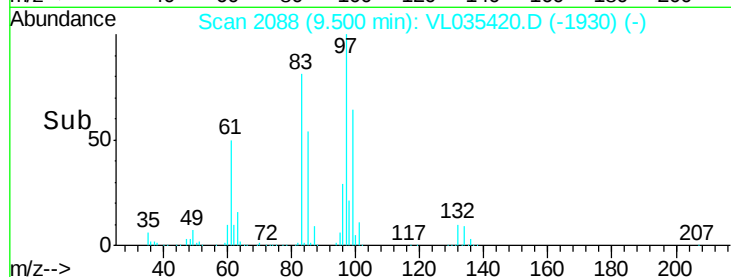
Tot Ion	Ratio	Lower	Upper
97	100		
83	81.0	72.1	108.1
85	54.2	46.8	70.2
99	63.9	48.6	73.0

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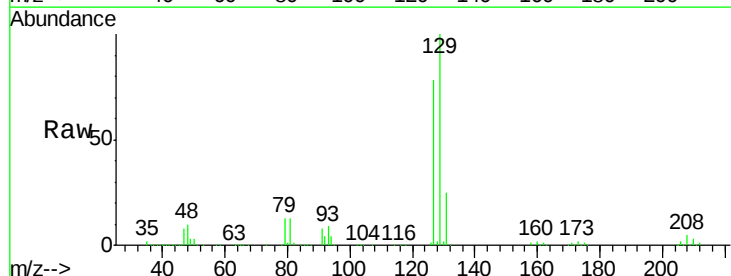


Abundance Ion 97.00 (96.70 to 97.70): VL0
 1200000
 Ion 83.00 (82.70 to 83.70): VL0
 1000000
 Ion 85.00 (84.70 to 85.70): VL0
 800000
 Ion 99.00 (98.70 to 99.70): VL0

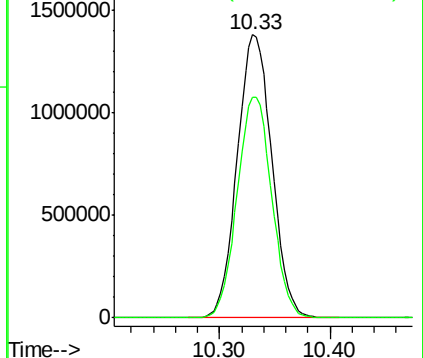
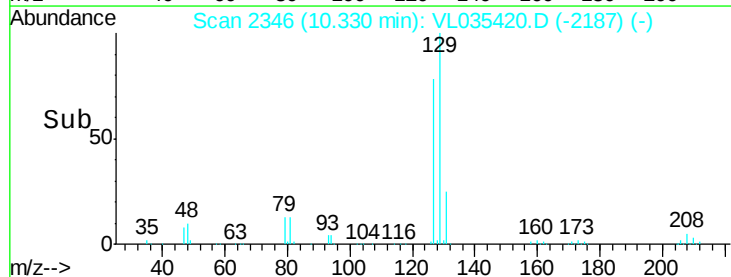


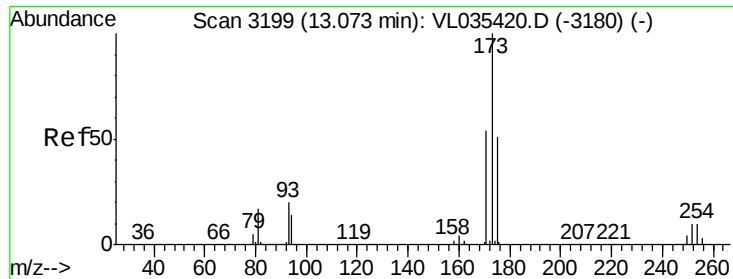
#48
 Dibromochloromethane
 Concen: 9.845 ppbv
 RT: 10.33 min Scan# 2346
 Delta R.T. 0.01 min
 Lab File: VL035420.D
 Acq: 17 Aug 2020 14:10

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.9	39.5	118.5



Abundance Ion 129.00 (128.70 to 129.70): V
 1500000
 Ion 127.00 (126.70 to 127.70): V





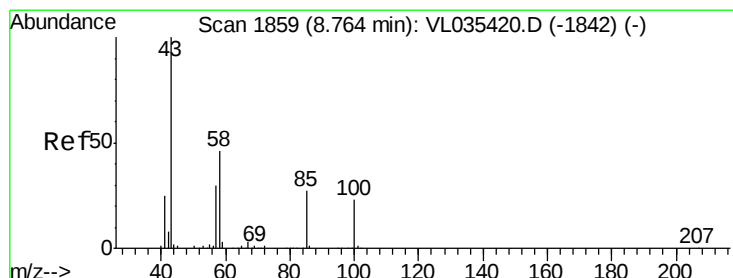
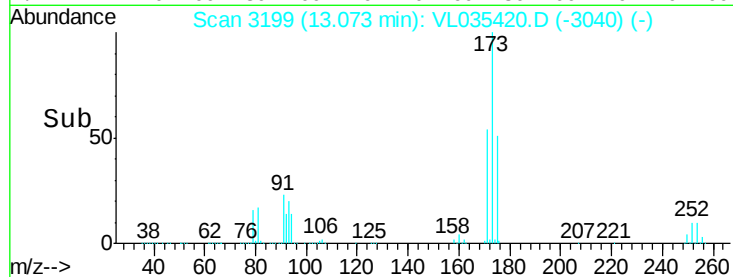
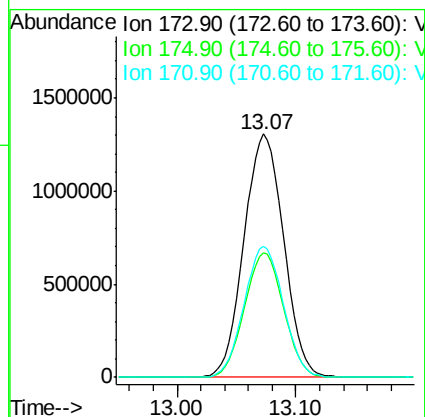
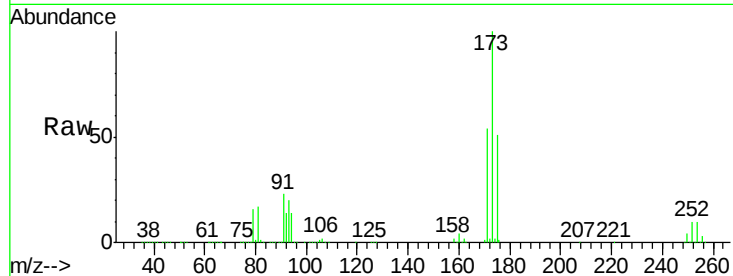
#49
Bromoform
Concen: 12.557 ppbv
RT: 13.07 min Scan# 3199
Delta R.T. 0.01 min
Lab File: VL035420.D
Acq: 17 Aug 2020 14:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion:173 Resp: 3014697
Ion Ratio Lower Upper
173 100
175 50.7 39.8 59.8
171 53.5 42.4 63.6

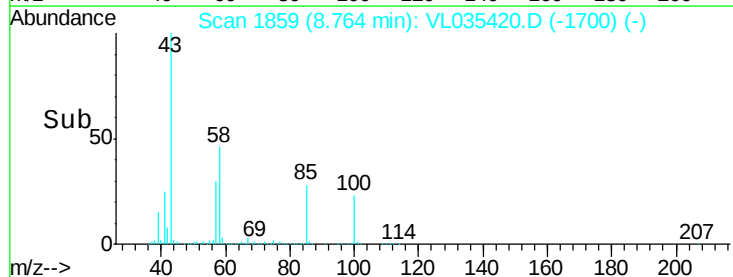
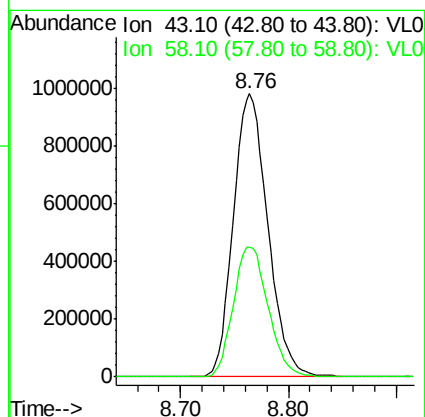
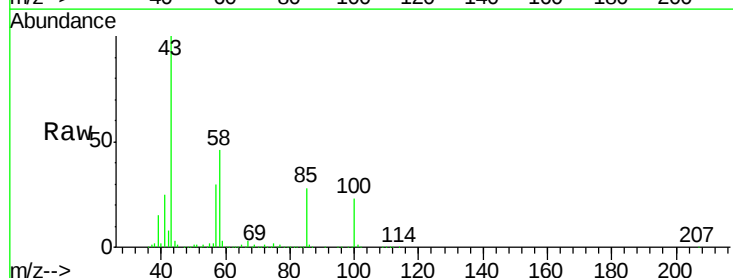
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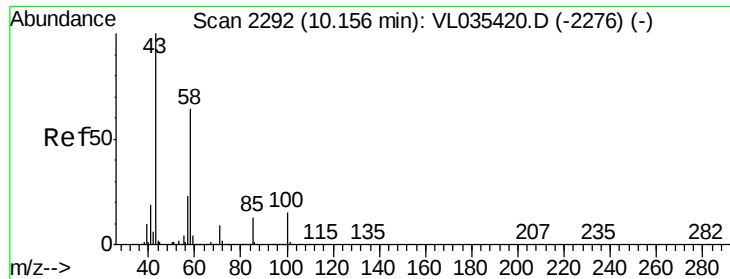
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#50
4-Methyl-2-Pentanone
Concen: 3.841 ppbv
RT: 8.76 min Scan# 1859
Delta R.T. 0.01 min
Lab File: VL035420.D
Acq: 17 Aug 2020 14:10

Tgt Ion: 43 Resp: 2185205
Ion Ratio Lower Upper
43 100
58 46.5 28.7 43.1#





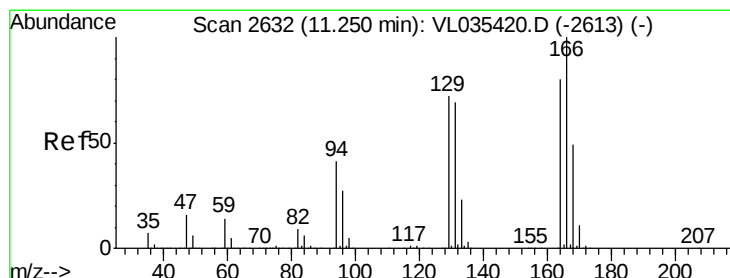
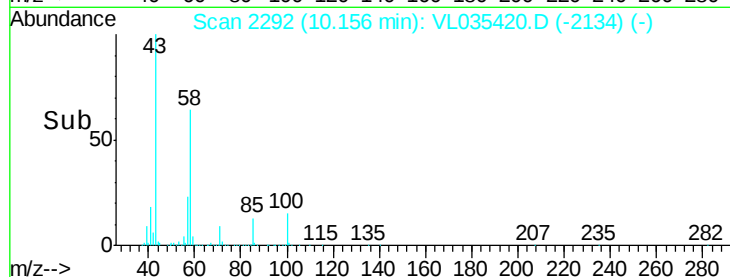
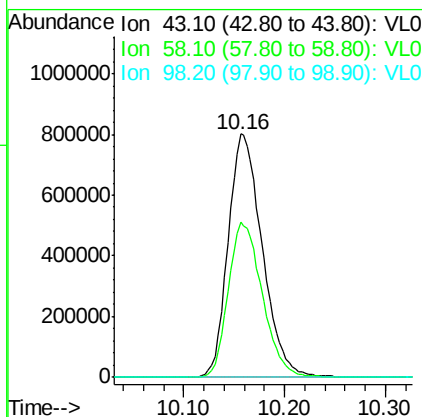
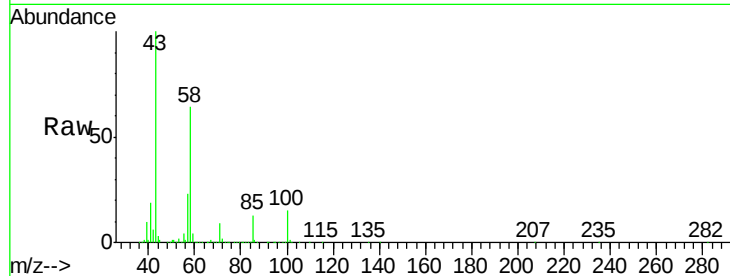
#51
2-Hexanone
Concen: 3.902 ppbv
RT: 10.16 min Scan# 2292
Delta R.T. 0.01 min
Lab File: VL035420.D
Acq: 17 Aug 2020 14:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 43 Resp: 1884259
Ion Ratio Lower Upper
43 100
58 63.8 38.6 58.0#
98 0.3 0.2 0.2#

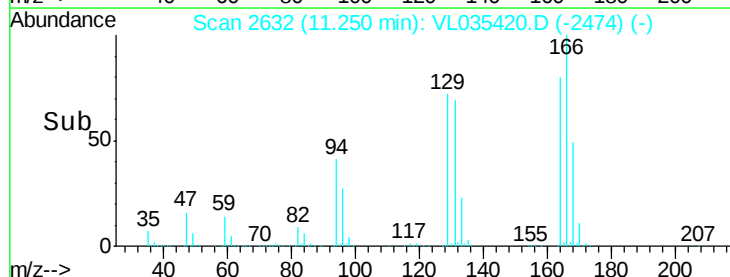
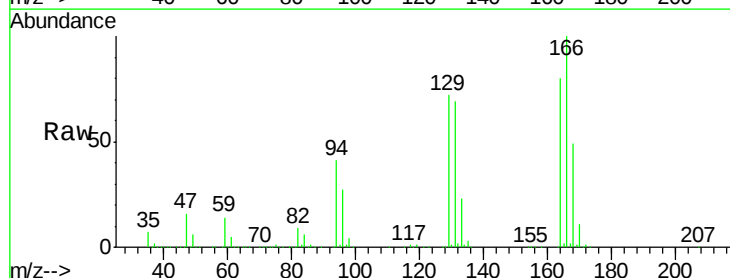
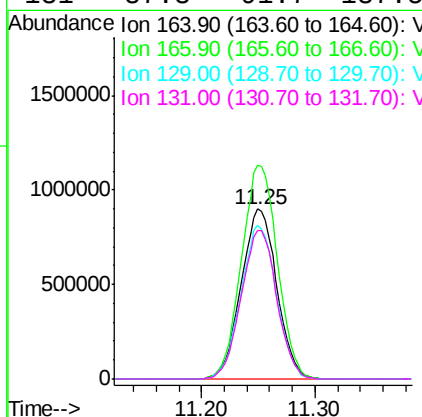
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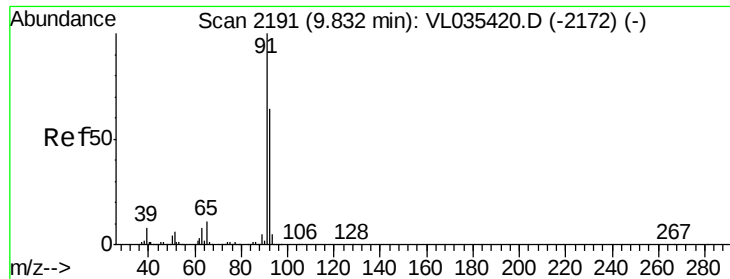
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#52
Tetrachloroethene
Concen: 10.686 ppbv
RT: 11.25 min Scan# 2632
Delta R.T. 0.01 min
Lab File: VL035420.D
Acq: 17 Aug 2020 14:10

Tgt Ion: 164 Resp: 1966963
Ion Ratio Lower Upper
164 100
166 125.6 103.4 155.0
129 90.6 90.2 135.4
131 87.3 91.7 137.5#





#53

Toluene

Concen: 7.138 ppbv

RT: 9.83 min Scan# 2191

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 91 Resp: 4206745

Ion Ratio Lower Upper

91 100

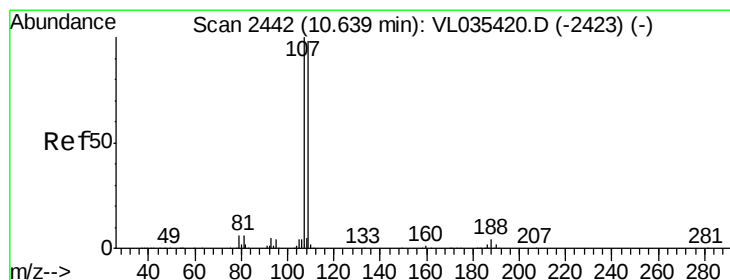
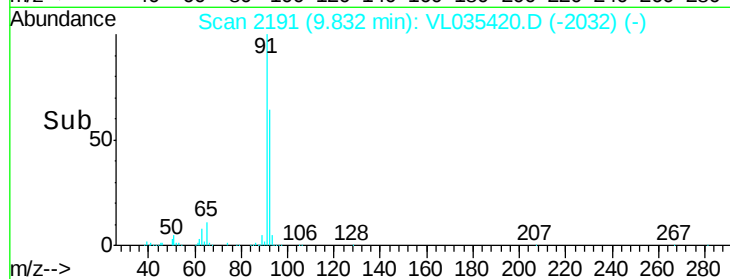
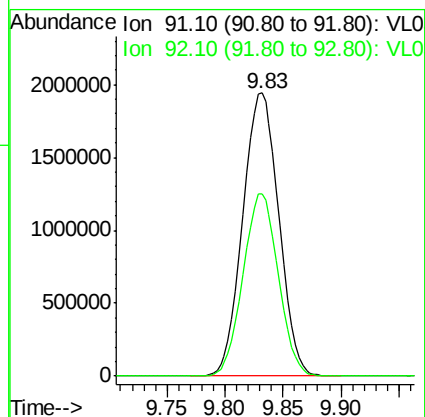
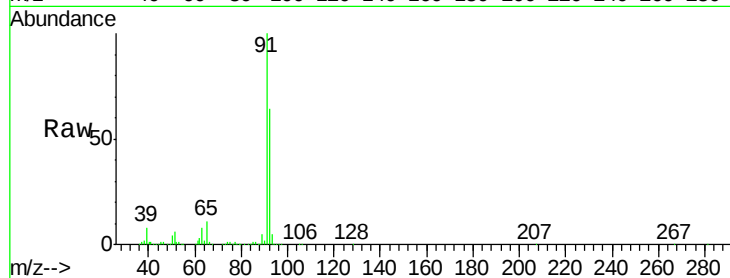
92 63.0 49.1 73.7

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#54

1,2-Dibromoethane

Concen: 8.136 ppbv

RT: 10.64 min Scan# 2442

Delta R.T. 0.01 min

Lab File: VL035420.D

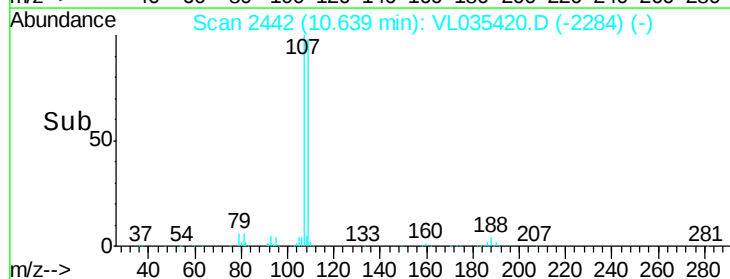
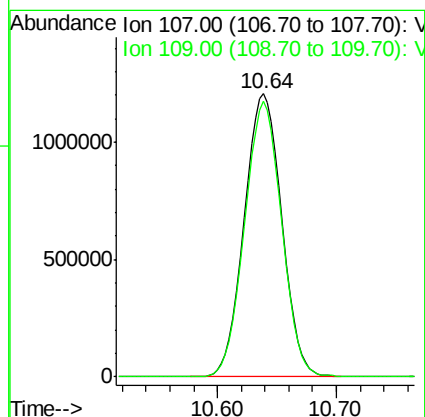
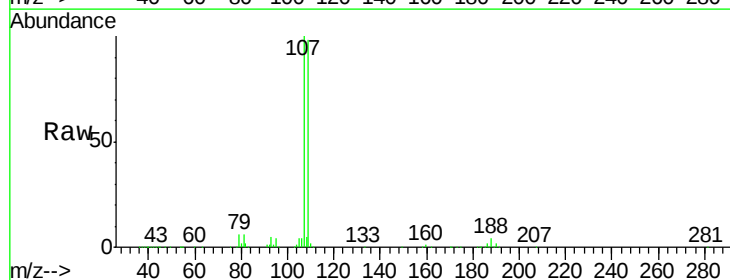
Acq: 17 Aug 2020 14:10

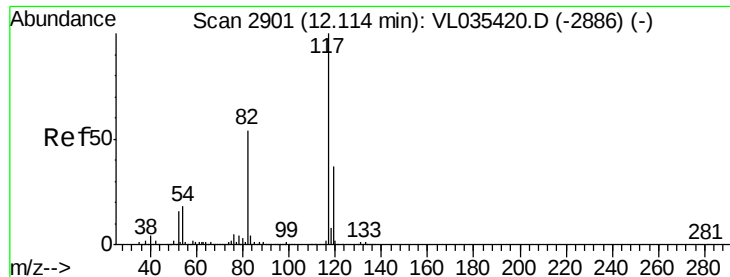
Tgt Ion: 107 Resp: 2633100

Ion Ratio Lower Upper

107 100

109 97.5 75.1 112.7





#55

Chlorobenzene-d5

Concen: 10.000 ppbv m

RT: 12.11 min Scan# 2901

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:117 Resp: 5332271

Ion Ratio Lower Upper

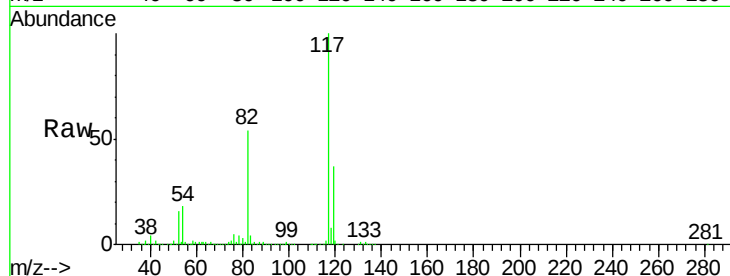
117 100

82 51.2 57.4 86.0#

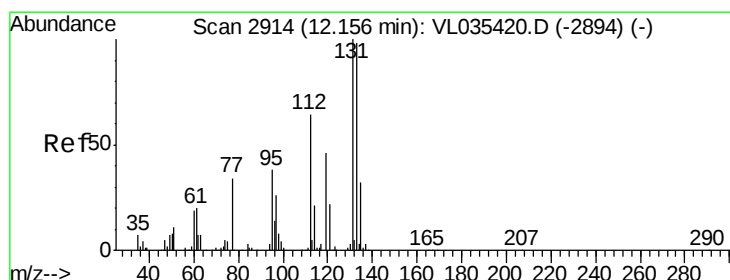
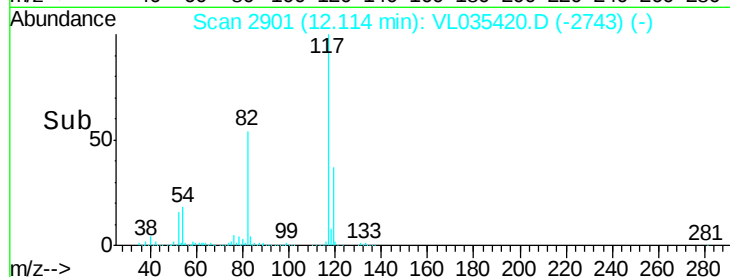
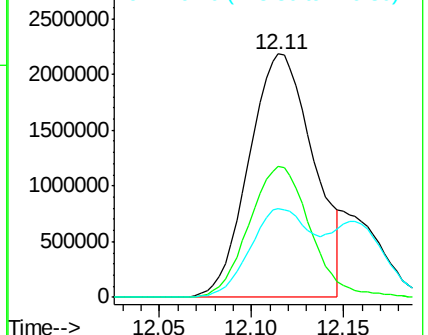
119 36.2 28.4 42.6

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Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): V
Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 8.812 ppbv

RT: 12.16 min Scan# 2914

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

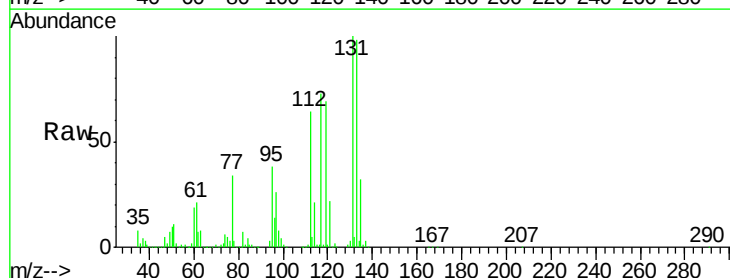
Tgt Ion:131 Resp: 2312198

Ion Ratio Lower Upper

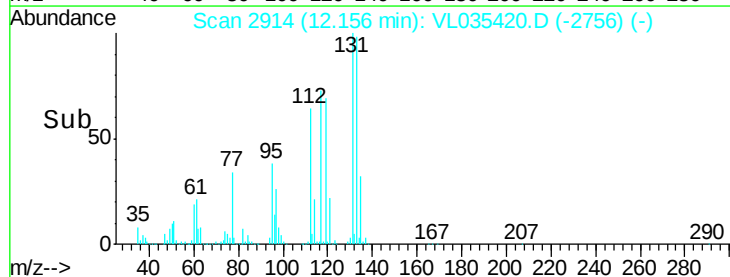
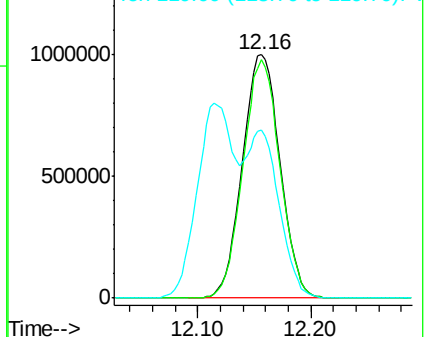
131 100

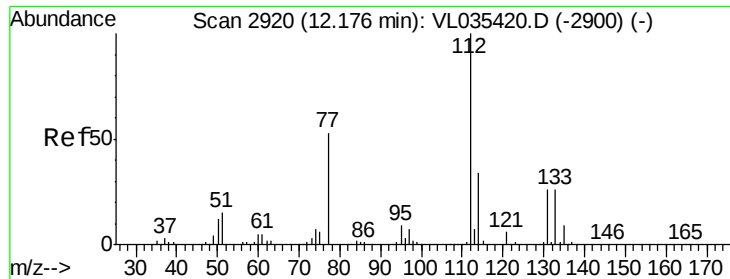
133 96.0 76.1 114.1

119 61.7 50.7 76.1



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V





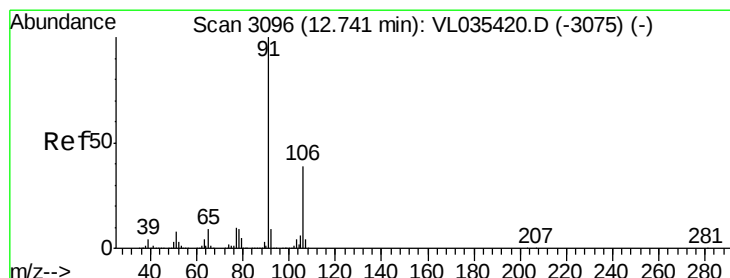
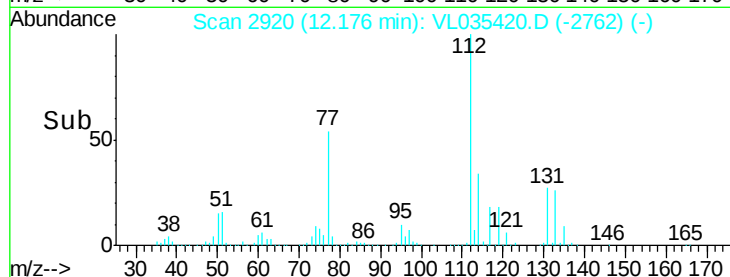
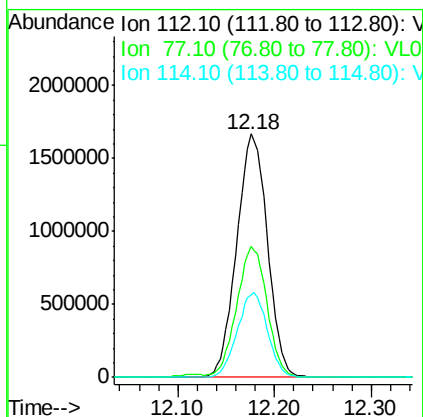
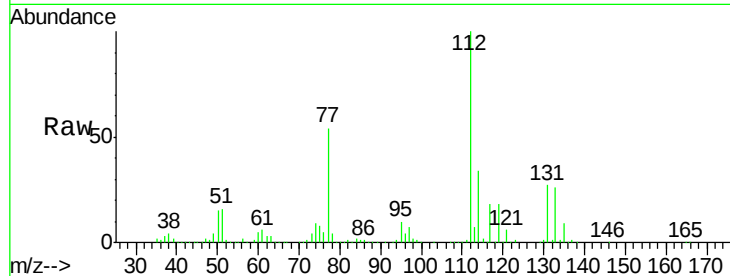
#57
Chlorobenzene
Concen: 7.650 ppbv
RT: 12.18 min Scan# 2920
Delta R.T. 0.01 min
Lab File: VL035420.D
Acq: 17 Aug 2020 14:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 112 Resp: 3683920
Ion Ratio Lower Upper
112 100
77 53.6 60.6 91.0#
114 34.0 28.5 34.9

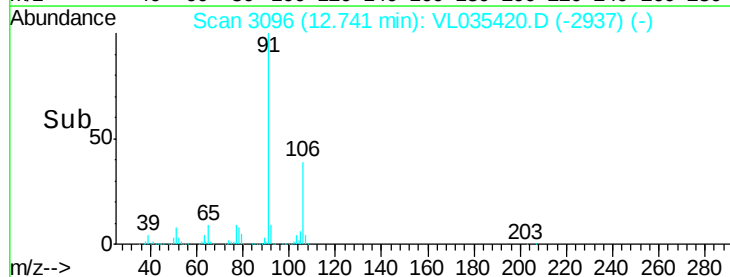
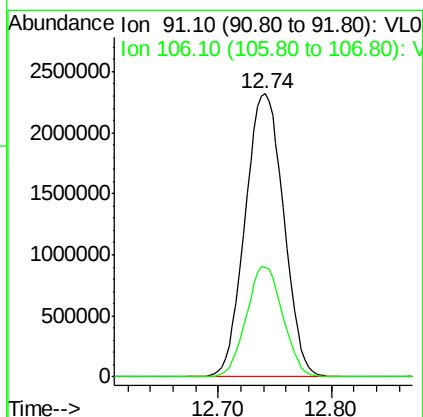
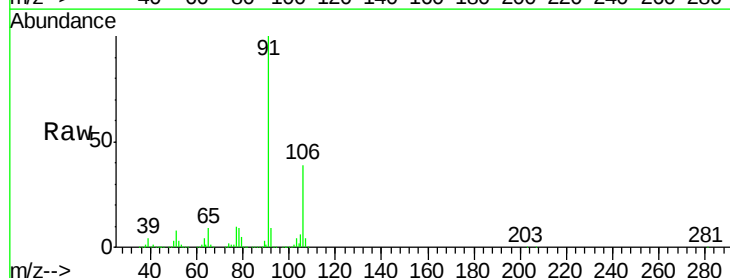
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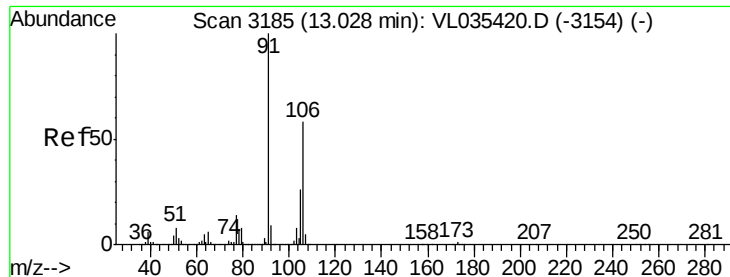
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#58
Ethyl Benzene
Concen: 6.213 ppbv
RT: 12.74 min Scan# 3096
Delta R.T. 0.01 min
Lab File: VL035420.D
Acq: 17 Aug 2020 14:10

Tgt Ion: 91 Resp: 5485078
Ion Ratio Lower Upper
91 100
106 38.6 24.1 36.1#





#59

m/p-Xylene

Concen: 12.500 ppbv m

RT: 13.03 min Scan# 3185

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 91 Resp: 9206454

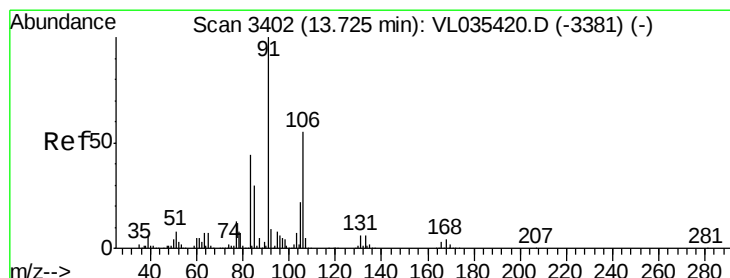
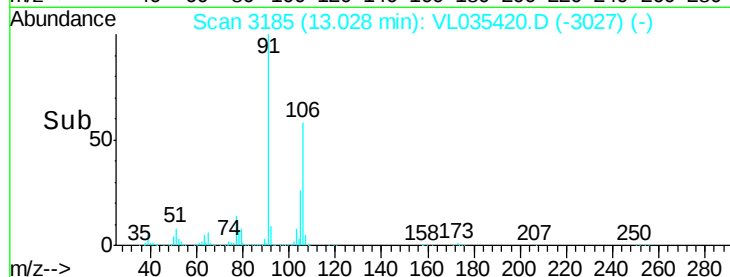
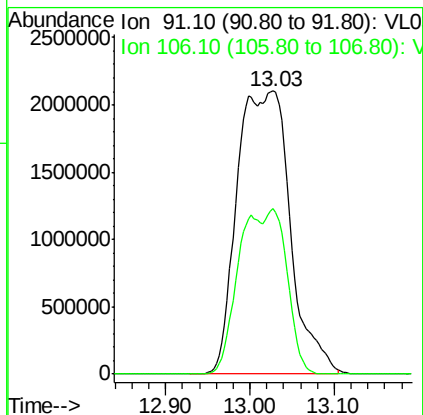
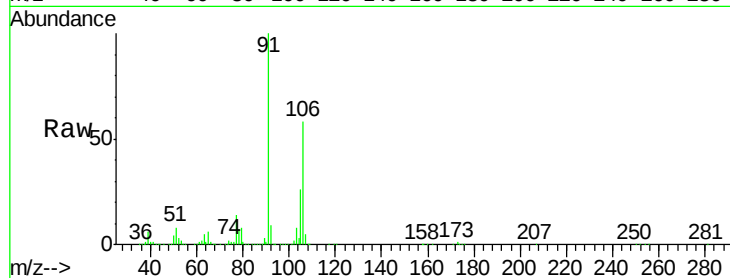
Ion Ratio Lower Upper

91 100

106 52.7 34.0 51.0#

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#60

o-Xylene

Concen: 6.171 ppbv

RT: 13.73 min Scan# 3402

Delta R.T. 0.01 min

Lab File: VL035420.D

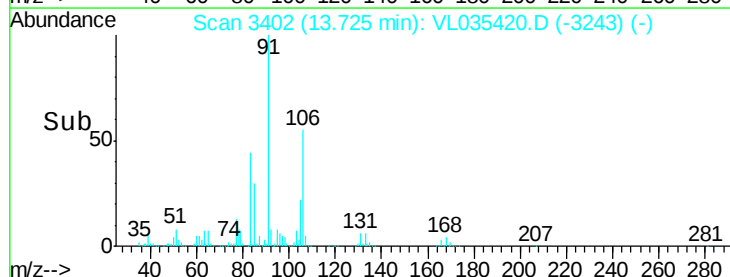
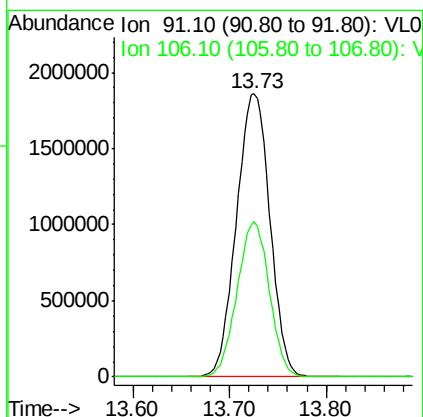
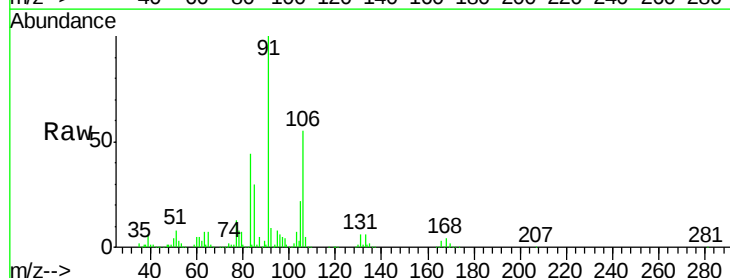
Acq: 17 Aug 2020 14:10

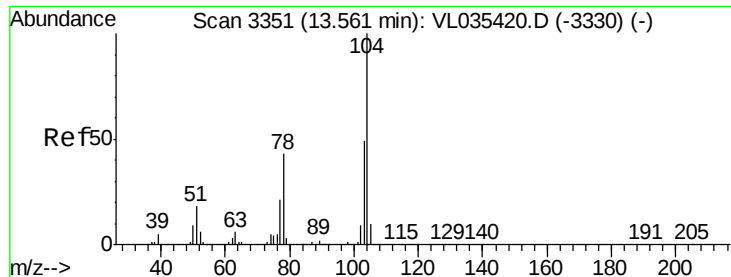
Tgt Ion: 91 Resp: 4472531

Ion Ratio Lower Upper

91 100

106 52.9 21.8 65.3





#61

Stvrene

Concen: 7.774 ppbv

RT: 13.56 min Scan# 3351

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:104 Resp: 3848174

Ion Ratio Lower Upper

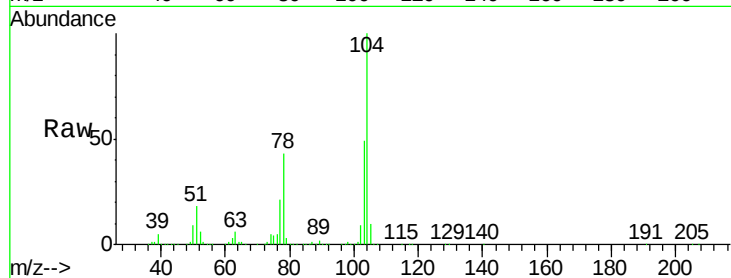
104 100

78 42.4 45.4 68.2#

103 47.5 37.8 56.8

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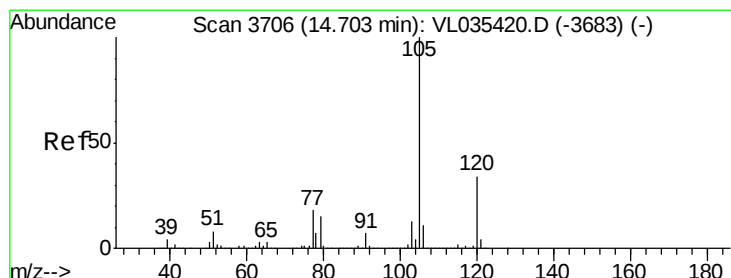
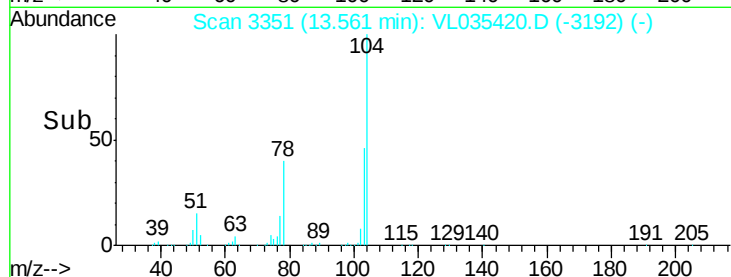
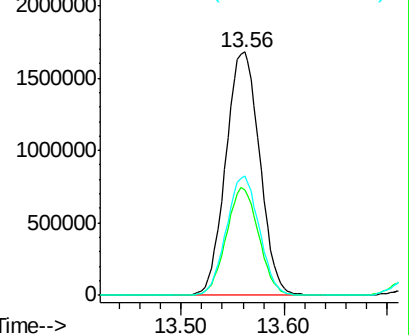
MMDadoda
8/20/2020 11:05:35 AM



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: 6.560 ppbv

RT: 14.70 min Scan# 3706

Delta R.T. 0.01 min

Lab File: VL035420.D

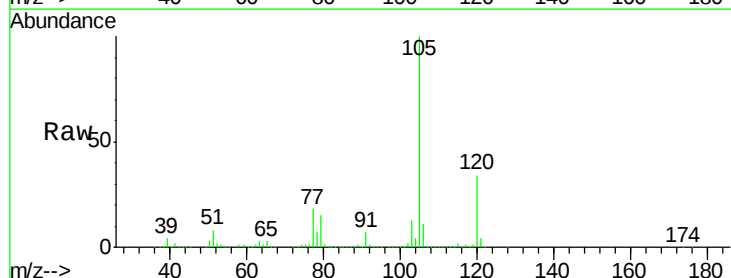
Acq: 17 Aug 2020 14:10

Tgt Ion:105 Resp: 7016744

Ion Ratio Lower Upper

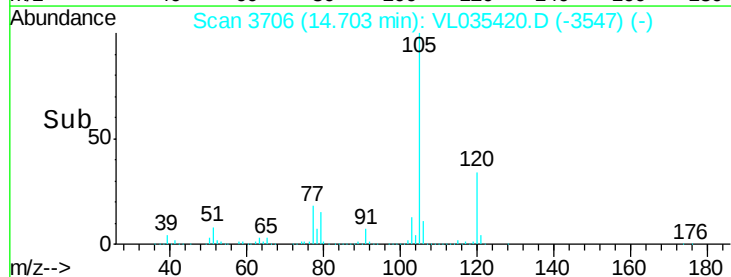
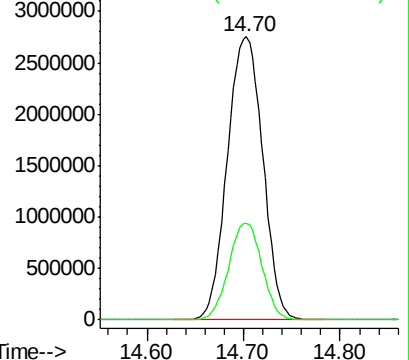
105 100

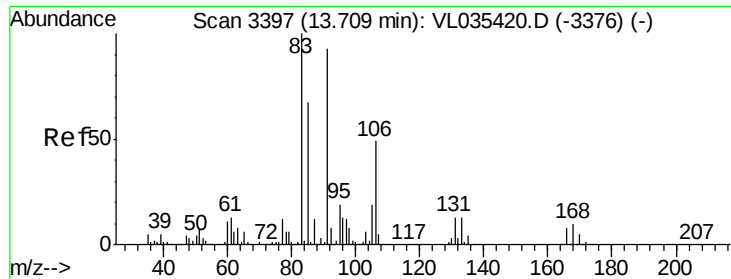
120 32.1 20.3 30.5#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





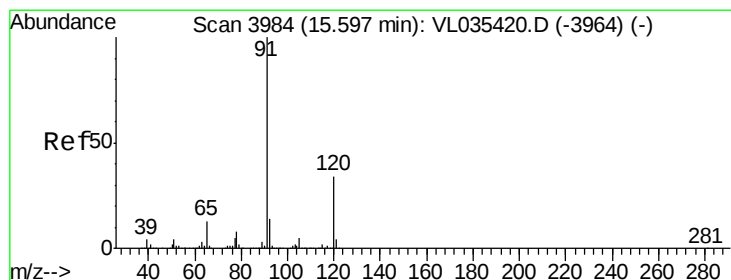
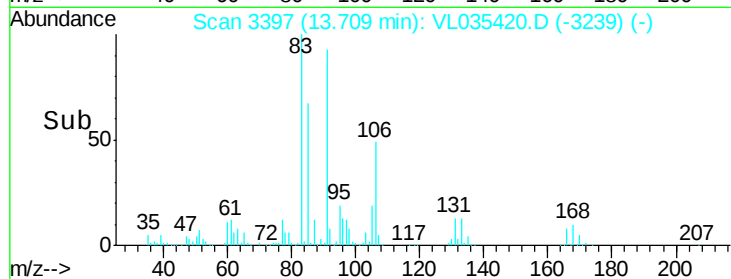
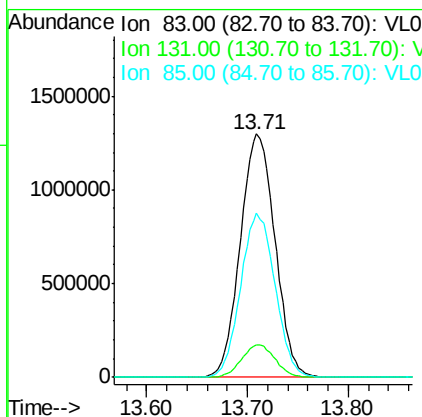
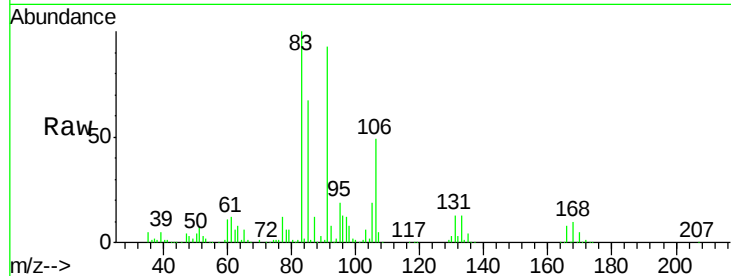
#63
 1,1,2,2-Tetrachloroethane
 Concen: 5.508 ppbv
 RT: 13.71 min Scan# 3397
 Delta R.T. 0.01 min
 Lab File: VL035420.D
 Acq: 17 Aug 2020 14:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
83	100		
131	12.9	4.5	13.4
85	66.9	32.7	98.1

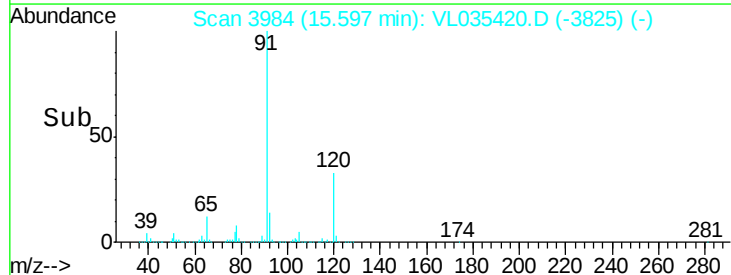
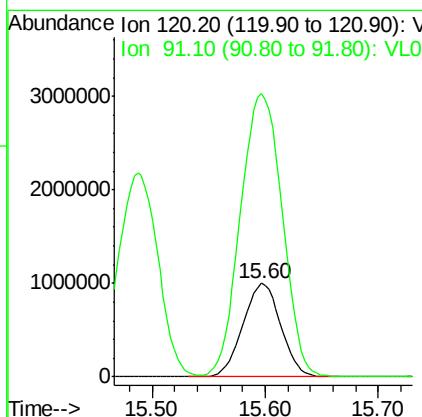
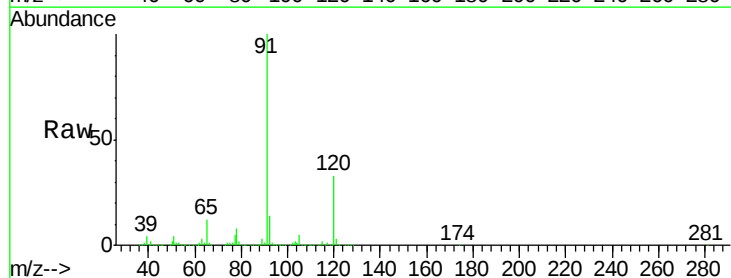
Manual Integrations
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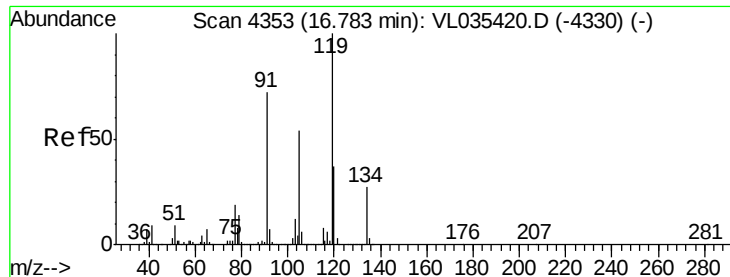
MMDadoda
 8/20/2020 11:05:35 AM



#64
 n-propylbenzene
 Concen: 8.584 ppbv
 RT: 15.60 min Scan# 3984
 Delta R.T. 0.01 min
 Lab File: VL035420.D
 Acq: 17 Aug 2020 14:10

Tgt Ion	Ratio	Lower	Upper
120	100		
91	335.7	385.5	578.3#





#65

tert-Butylbenzene

Concen: 7.467 ppbv

RT: 16.78 min Scan# 4353

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:119 Resp: 6842416

Ion Ratio Lower Upper

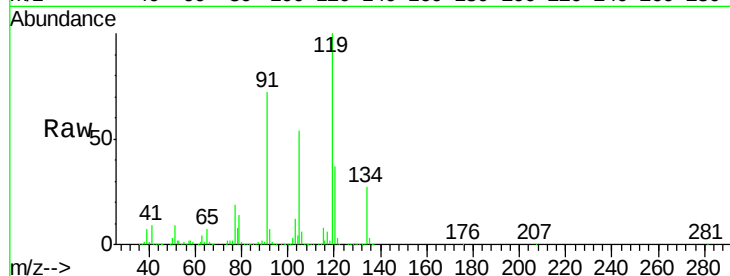
119 100

91 70.5 72.0 108.0#

134 24.1 15.7 23.5#

Manual Integrations
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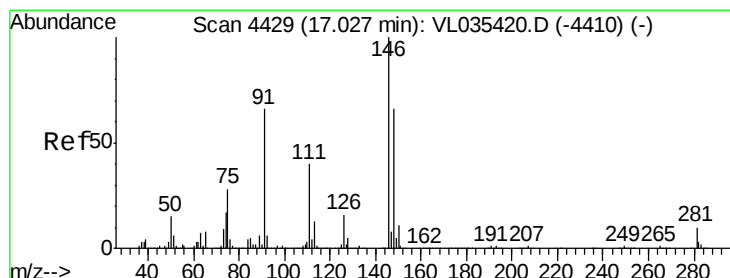
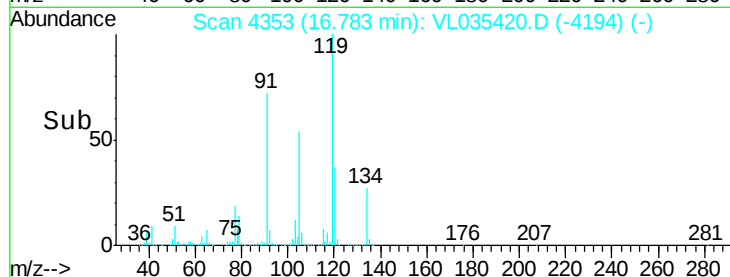
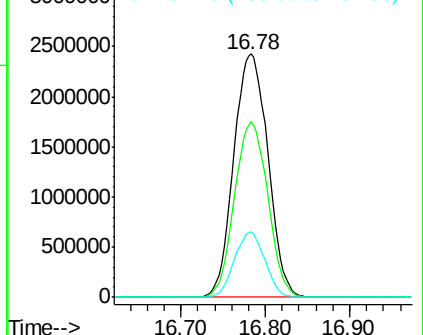
MMDadoda
8/20/2020 11:05:35 AM



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 7.966 ppbv

RT: 17.03 min Scan# 4429

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

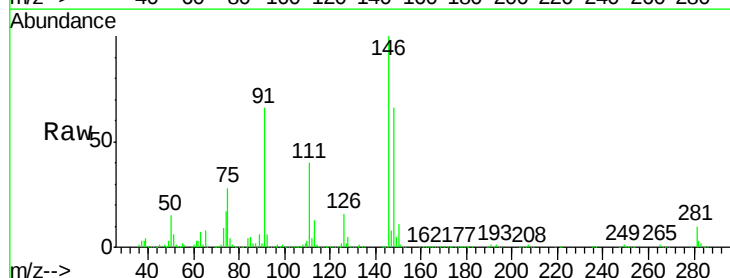
Tgt Ion: 91 Resp: 2390521

Ion Ratio Lower Upper

91 100

126 22.7 13.3 19.9#

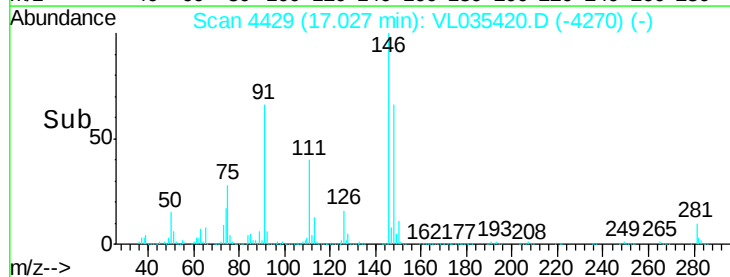
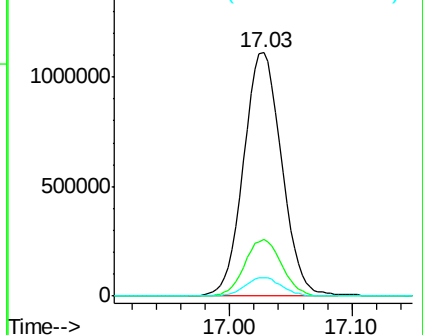
128 7.4 4.1 6.1#

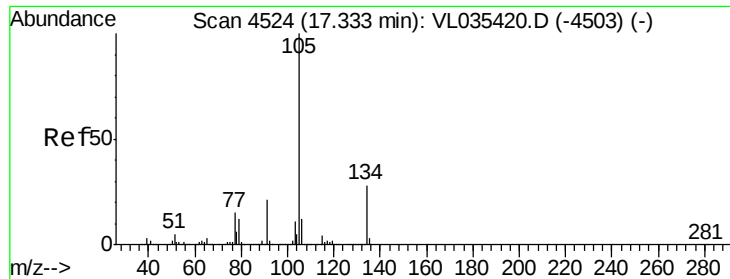


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 6.417 ppbv

RT: 17.33 min Scan# 4524

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:105 Resp: 8683690

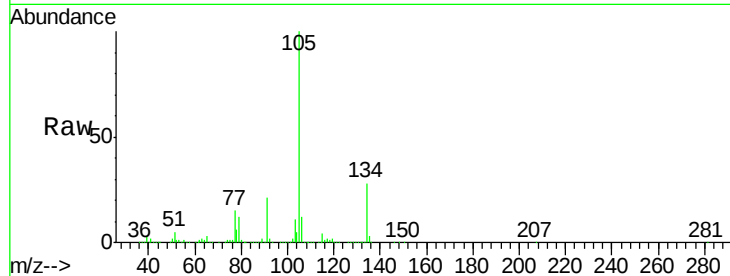
Ion Ratio Lower Upper

105 100

134 25.0 14.1 21.1#

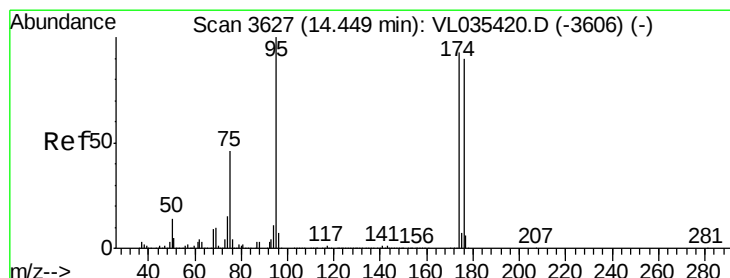
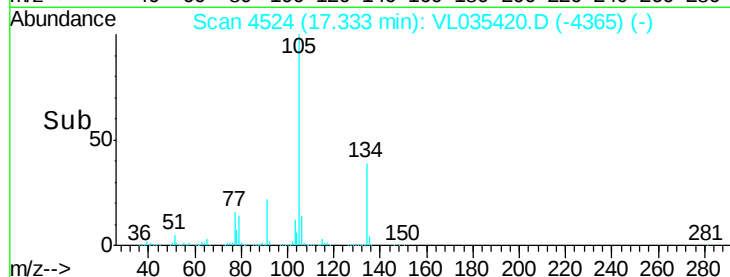
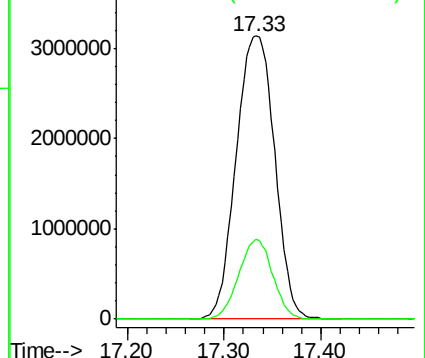
Manual Integrations
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.190 ppbv

RT: 14.45 min Scan# 3627

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

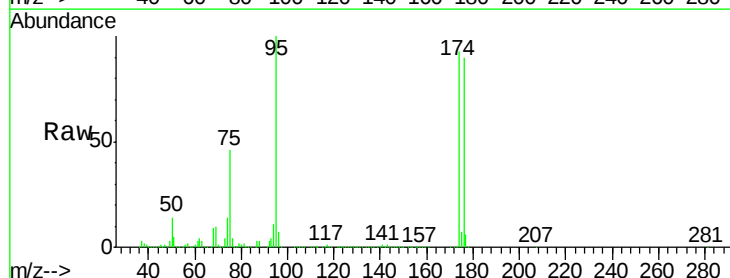
Tgt Ion: 95 Resp: 3698153

Ion Ratio Lower Upper

95 100

174 94.4 44.0 66.0#

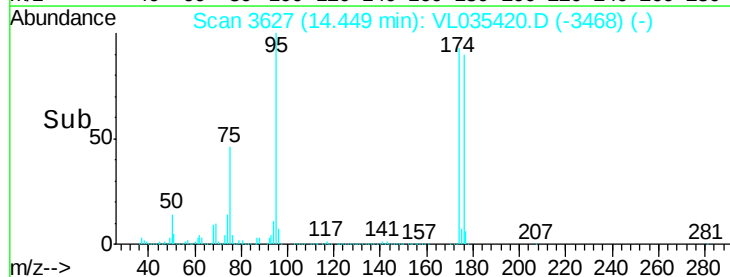
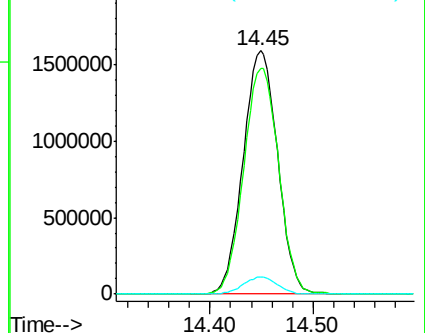
175 7.1 3.2 4.8#

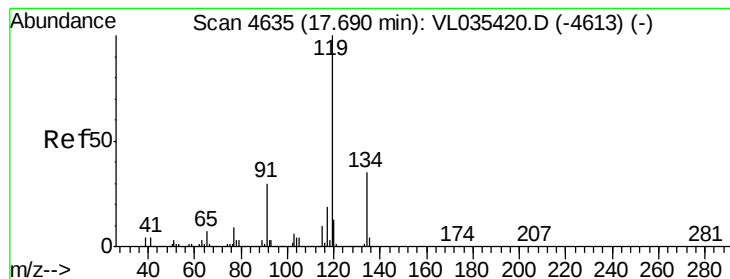


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 7.145 ppbv

RT: 17.69 min Scan# 4635

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 119 Resp: 7872709

Ion Ratio Lower Upper

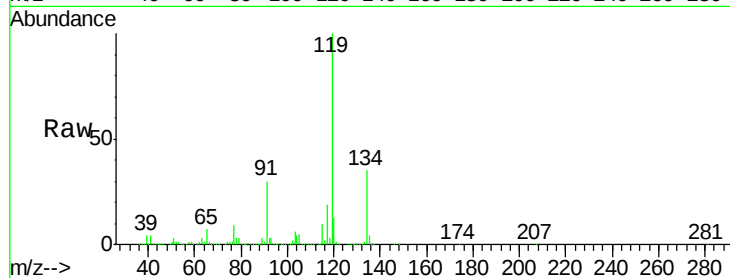
119 100

134 32.3 20.6 30.8#

91 27.1 26.6 39.8

Manual Integrations
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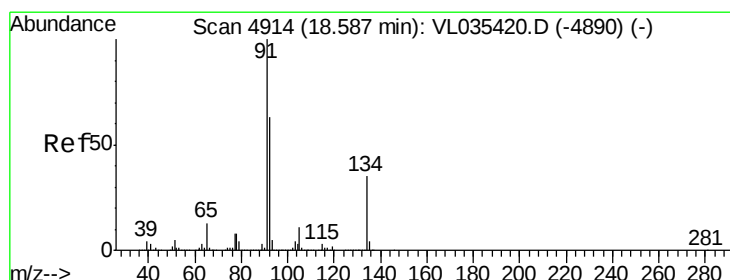
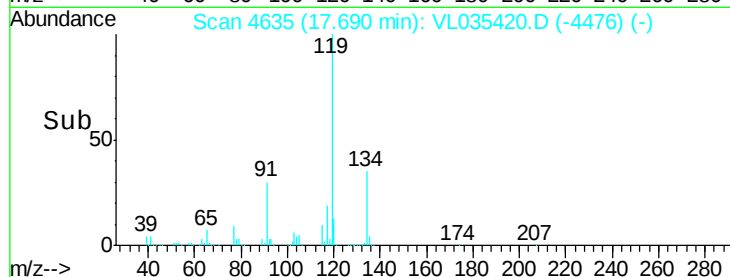
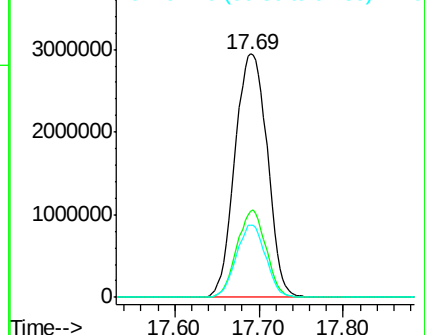
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Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 5.739 ppbv

RT: 18.59 min Scan# 4914

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

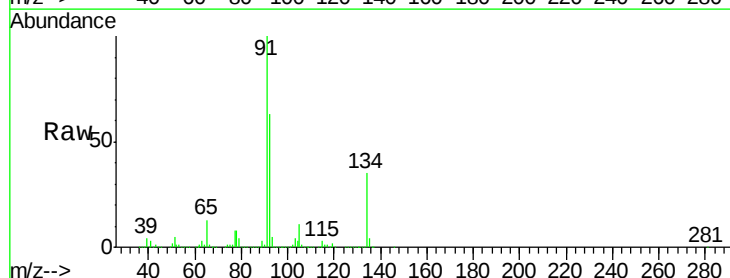
Tgt Ion: 91 Resp: 7392881

Ion Ratio Lower Upper

91 100

92 59.3 44.8 67.2

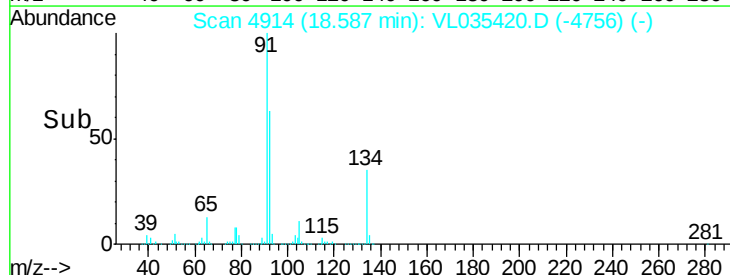
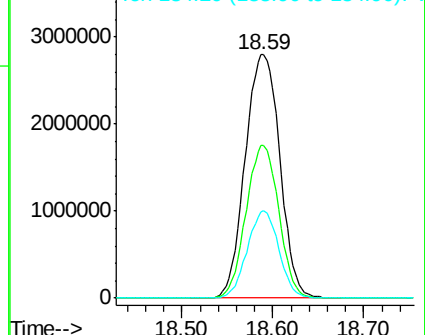
134 32.8 17.3 25.9#

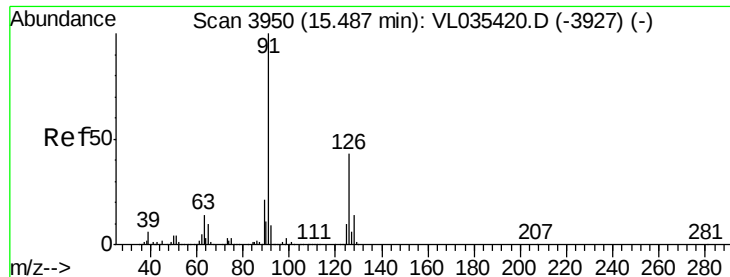


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 6.074 ppbv

RT: 15.49 min Scan# 3950

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 91 Resp: 5315618

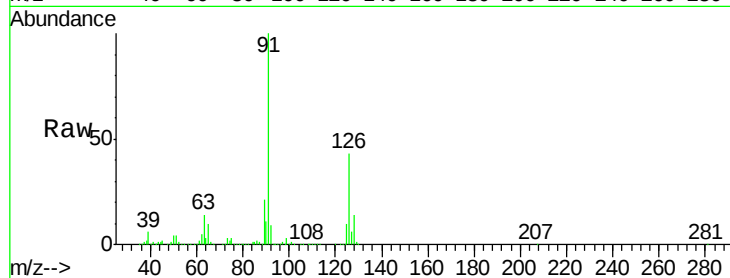
Ion Ratio Lower Upper

91 100

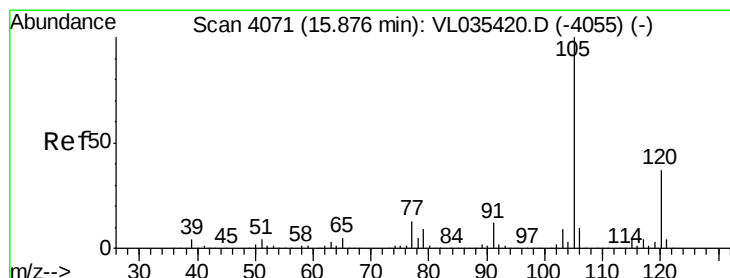
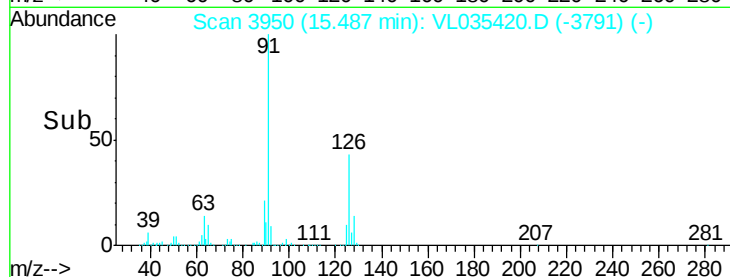
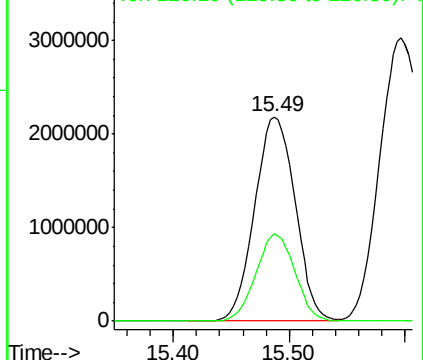
126 40.8 11.4 45.6

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Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 6.913 ppbv

RT: 15.88 min Scan# 4071

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Tgt Ion:105 Resp: 5870645

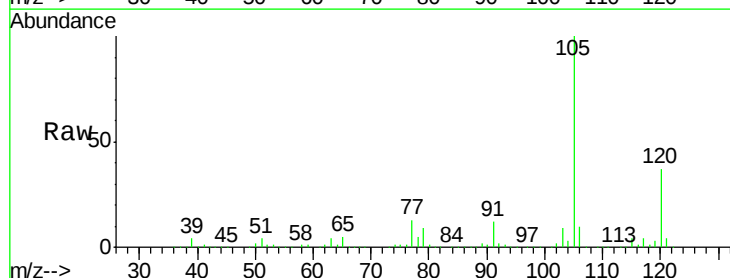
Ion Ratio Lower Upper

105 100

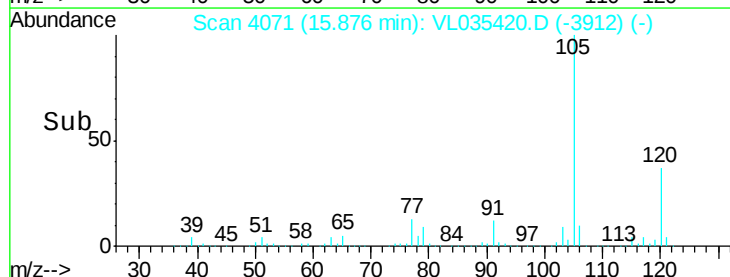
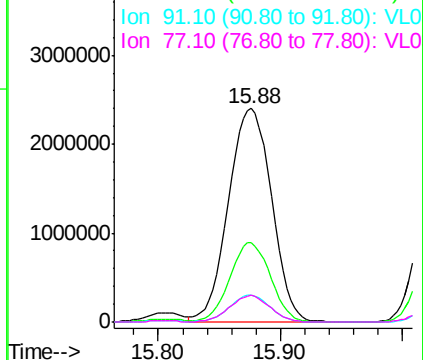
120 35.2 22.7 34.1#

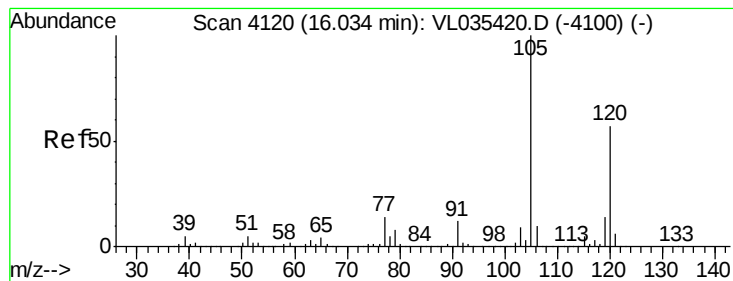
91 11.9 10.8 16.2

77 11.6 11.9 17.9#



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0
Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 6.788 ppbv

RT: 16.03 min Scan# 4120

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:105 Resp: 5441923

Ion Ratio Lower Upper

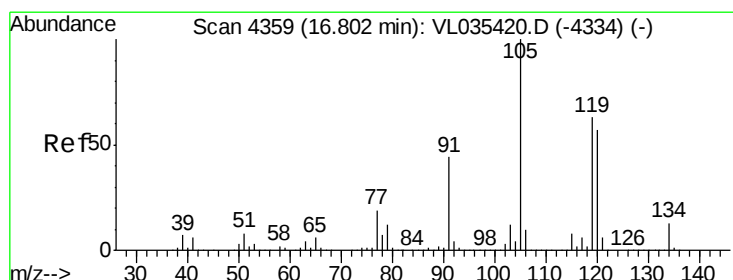
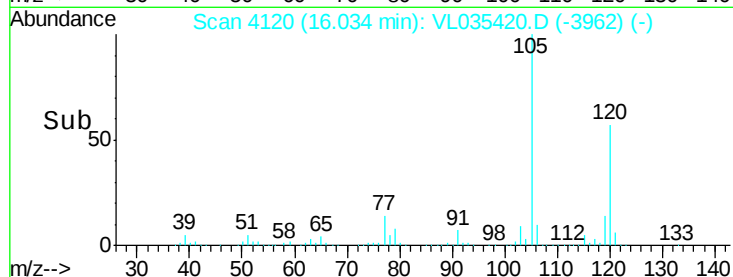
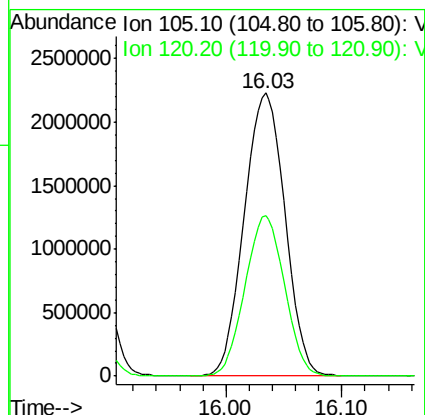
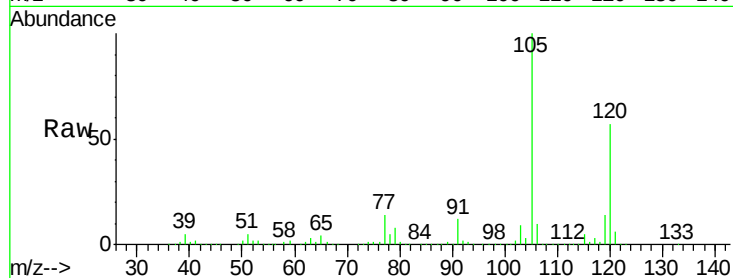
105 100

120 56.6 35.6 53.4#

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#74

1,2,4-Trimethylbenzene

Concen: 6.599 ppbv

RT: 16.80 min Scan# 4359

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Tgt Ion:105 Resp: 5664695

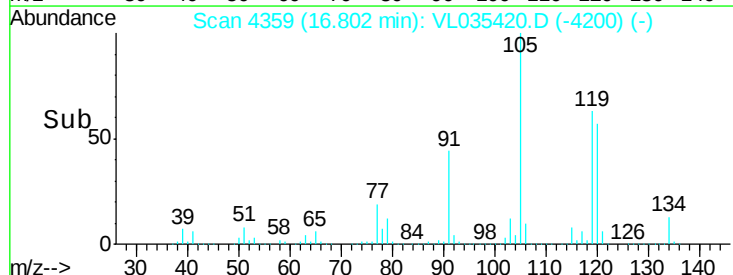
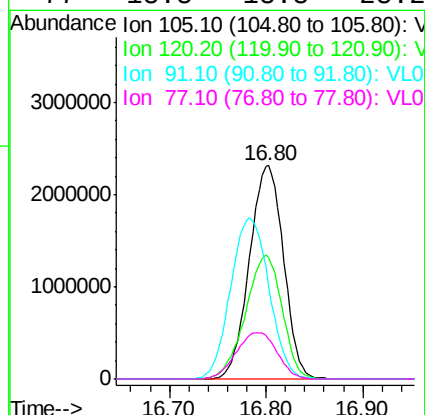
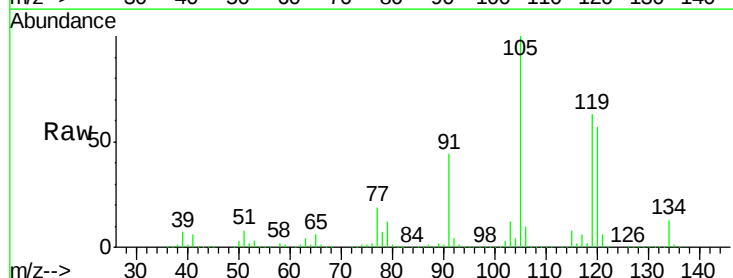
Ion Ratio Lower Upper

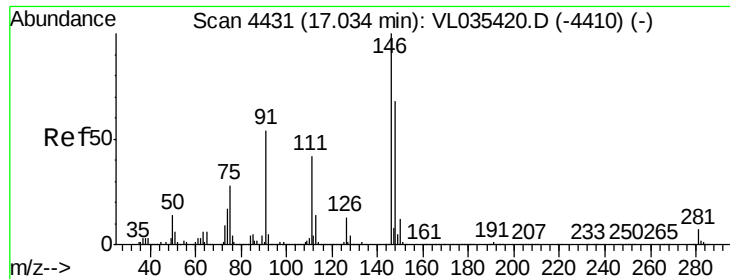
105 100

120 56.7 37.8 56.8

91 44.0 40.0 60.0

77 18.8 18.8 28.2#





#75

1,3-Dichlorobenzene

Concen: 9.400 ppbv

RT: 17.03 min Scan# 4431

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:146 Resp: 4392344

Ion Ratio Lower Upper

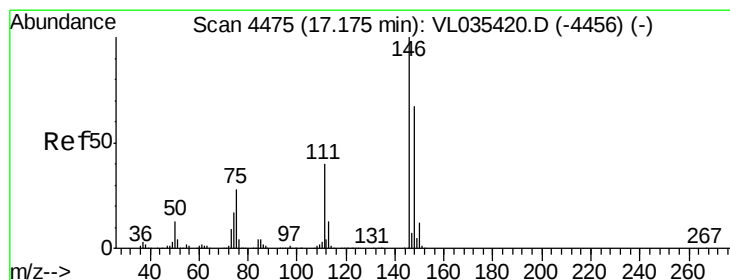
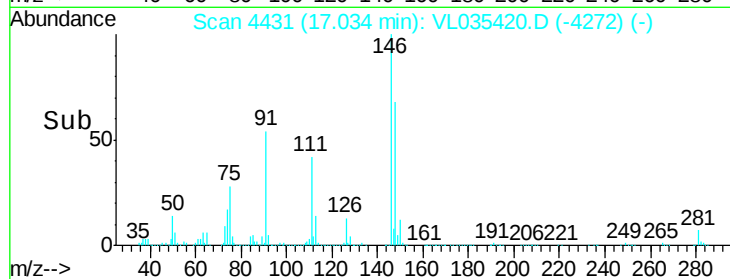
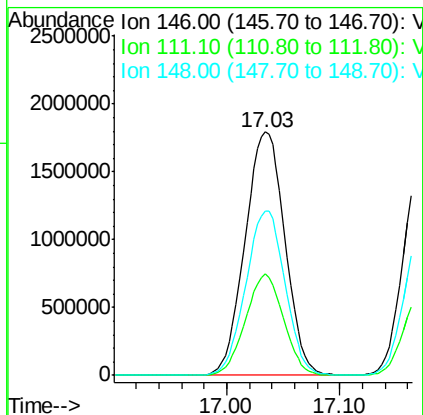
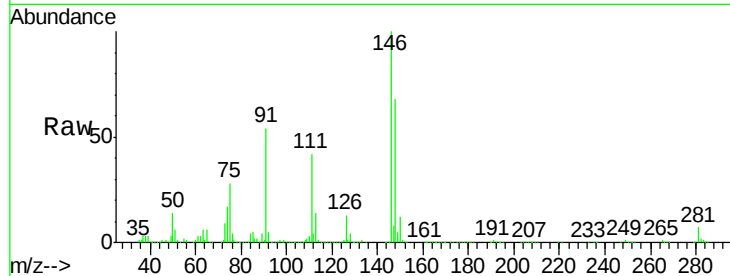
146 100

111 39.7 25.6 76.8

148 66.7 32.3 96.9

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 9.273 ppbv

RT: 17.18 min Scan# 4475

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

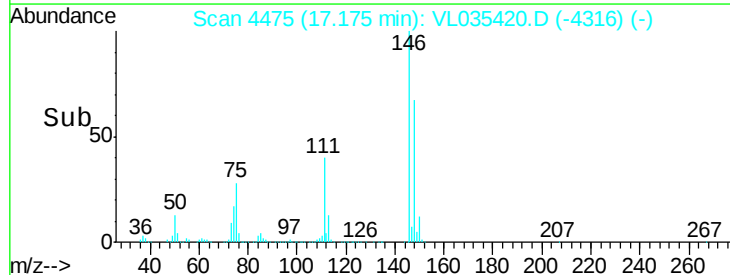
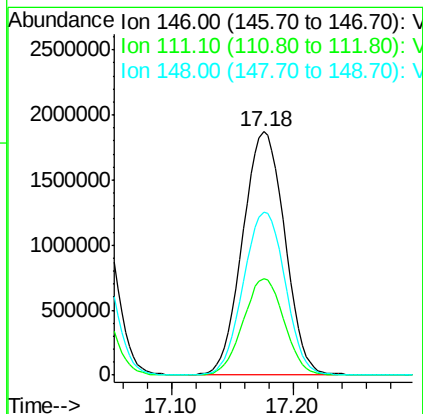
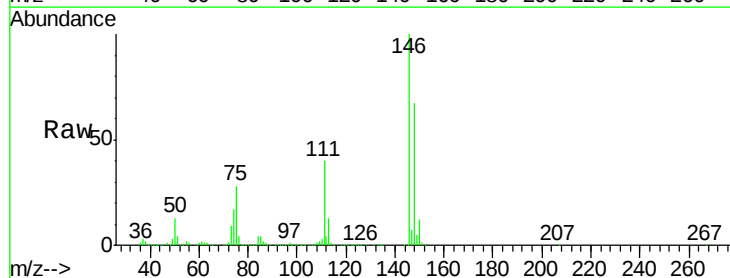
Tgt Ion:146 Resp: 4443348

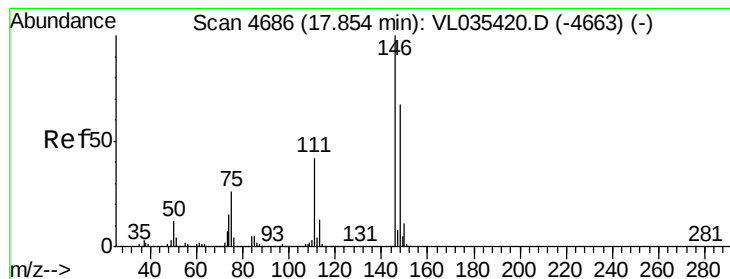
Ion Ratio Lower Upper

146 100

111 38.6 24.8 74.4

148 67.2 32.1 96.3





#77

1,2-Dichlorobenzene

Concen: 9.260 ppbv

RT: 17.85 min Scan# 4686

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:146 Resp: 4359369

Ion Ratio Lower Upper

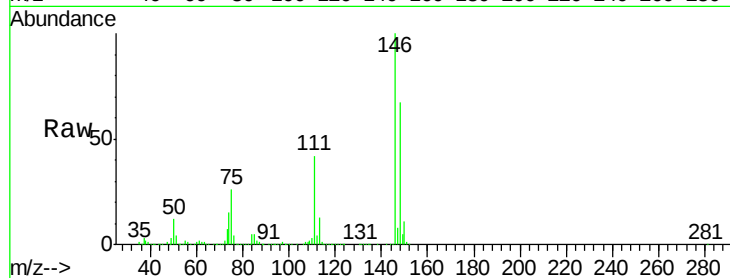
146 100

111 40.7 26.3 78.9

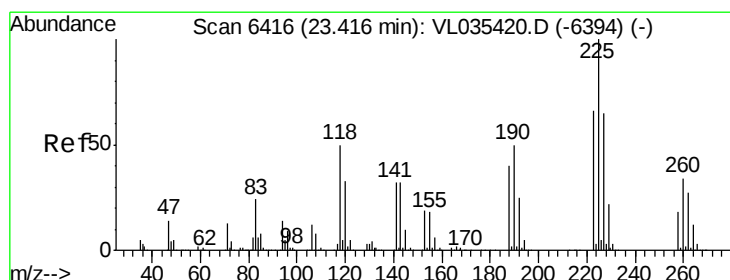
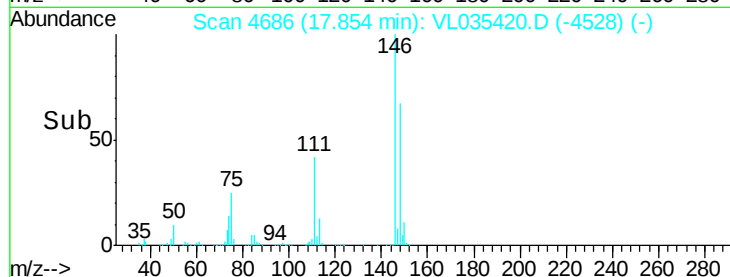
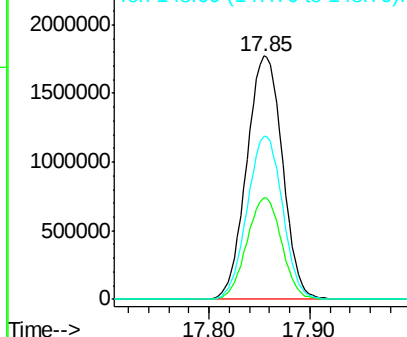
148 66.2 32.0 96.0

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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: 9.232 ppbv

RT: 23.42 min Scan# 6416

Delta R.T. 0.01 min

Lab File: VL035420.D

Acq: 17 Aug 2020 14:10

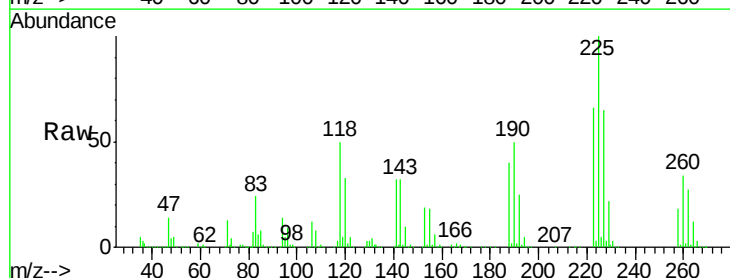
Tgt Ion:225 Resp: 3338344

Ion Ratio Lower Upper

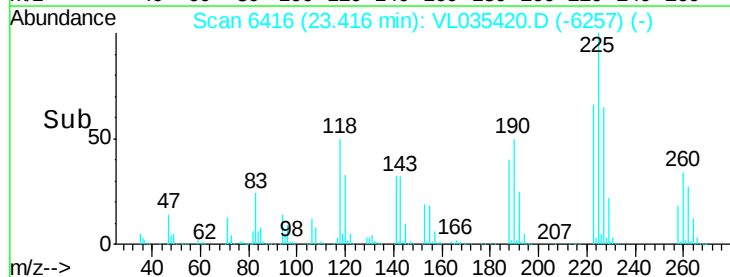
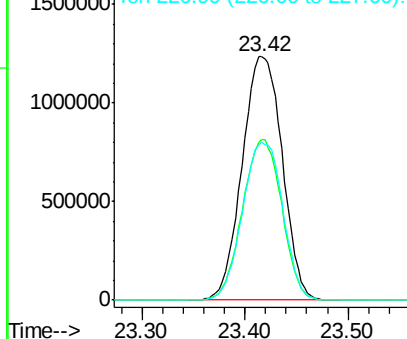
225 100

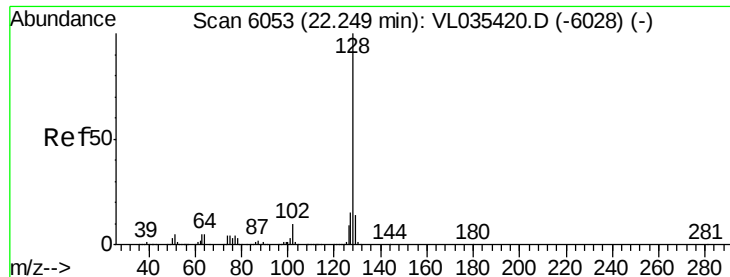
223 64.6 50.3 75.5

227 64.9 51.0 76.6



Abundance Ion 224.90 (224.60 to 225.60): V
Ion 222.90 (222.60 to 223.60): V
Ion 226.90 (226.60 to 227.60): V





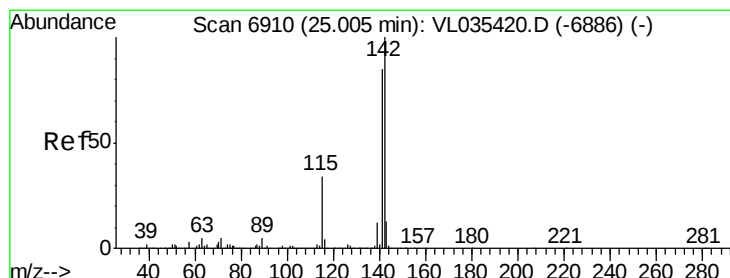
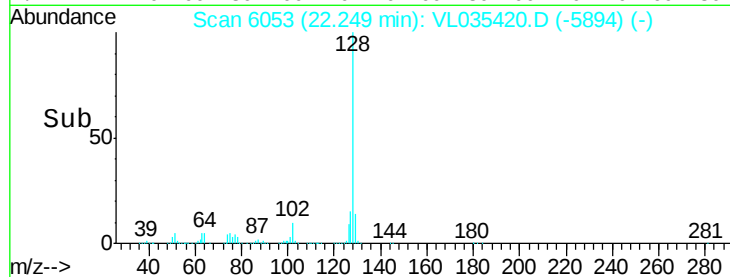
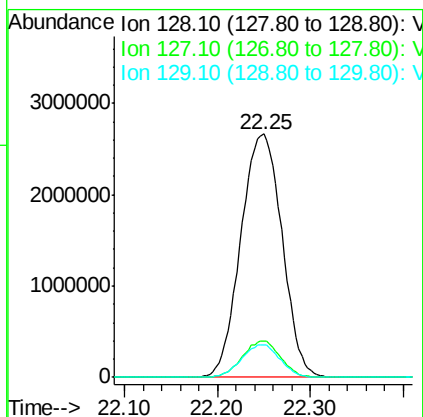
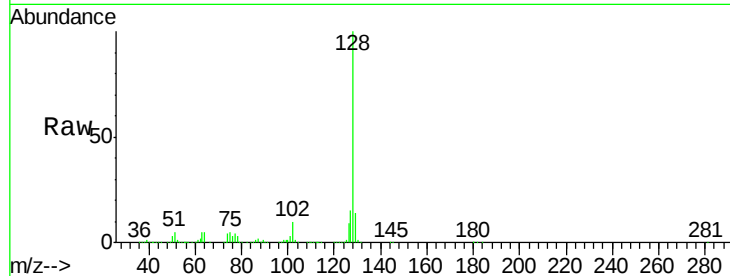
#79
Naphthalene
Concen: 8.204 ppbv
RT: 22.25 min Scan# 6053
Delta R.T. 0.01 min
Lab File: VL035420.D
Acq: 17 Aug 2020 14:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion:128 Resp: 8221225
Ion Ratio Lower Upper
128 100
127 15.0 11.4 17.0
129 13.6 9.5 14.3

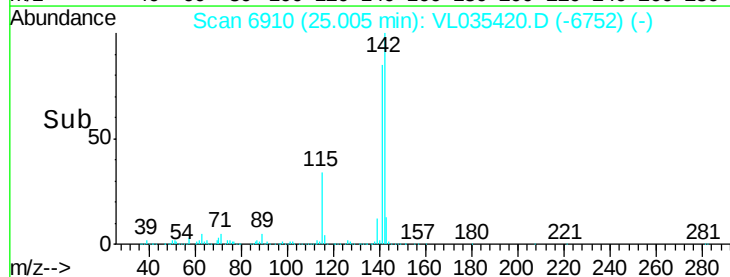
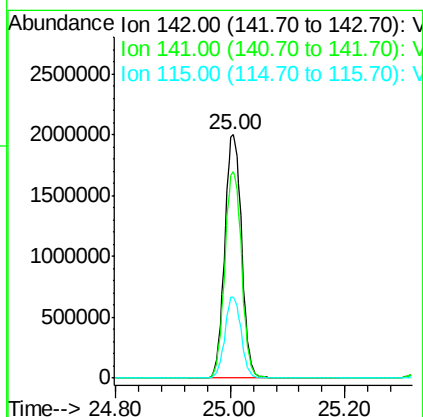
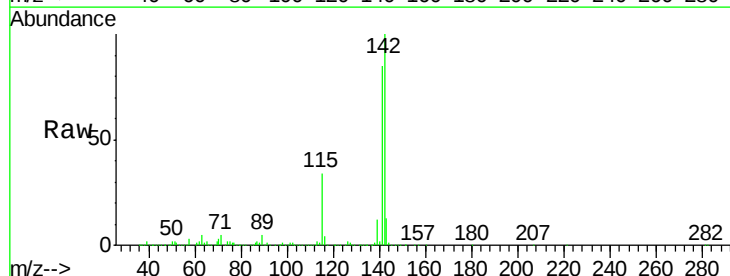
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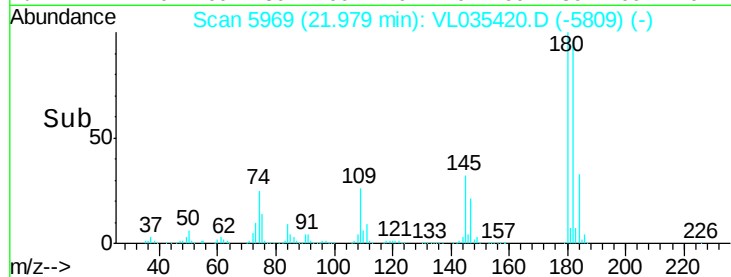
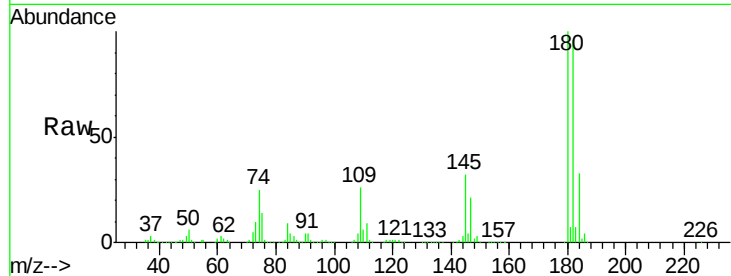
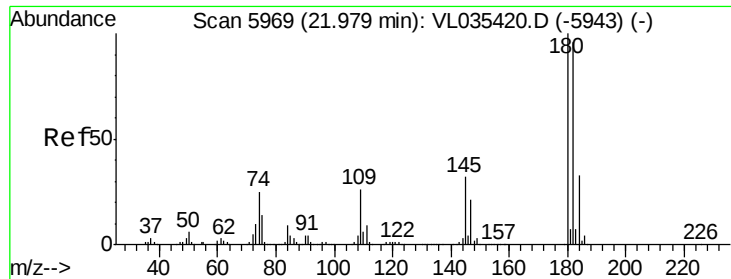
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#80
Naphthalene, 2-methyl-
Concen: 9.721 ppbv
RT: 25.00 min Scan# 6910
Delta R.T. 0.01 min
Lab File: VL035420.D
Acq: 17 Aug 2020 14:10

Tgt Ion:142 Resp: 4064605
Ion Ratio Lower Upper
142 100
141 84.9 67.1 100.7
115 32.2 36.1 54.1#





#81
 1,2,4-Trichlorobenzene
 Concen: 10.444 ppbv
 RT: 21.98 min Scan# 5969
 Delta R.T. 0.01 min
 Lab File: VL035420.D
 Acq: 17 Aug 2020 14:10

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.6	115.0
184	32.2	24.8	37.2

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

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