

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090820\
 Data File : VL035553.D
 Acq On : 8 Sep 2020 11:57
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010

Manual Integrations
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sam
 9/14/2020 3:54:37 PM

Quant Time: Sep 09 02:44:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 27 2020
 QLast Update : Thu Aug 27 06:46:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1088865	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.18	114	4800934	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	4802255m	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3555273	10.43	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.30%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	1637479	8.678	ppbv 98
3) Chlorodifluoromethane	2.98	51	1199940	9.964	ppbv 99
4) Chloromethane	3.13	50	631639	9.790	ppbv 98
5) Vinyl Chloride	3.25	62	760657	9.563	ppbv 99
6) Bromomethane	3.46	94	673794	10.085	ppbv 99
7) Chloroethane	3.55	64	287512	10.223	ppbv 98
8) Dichlorotetrafluoroethane	3.18	85	2182891	9.552	ppbv 97
9) Propene	3.00	41	459139	9.890	ppbv 100
10) Heptane	8.12	43	1265710	10.150	ppbv 99
11) Trichlorofluoromethane	3.94	101	2599630	9.447	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1988747	9.575	ppbv 96
13) Ethanol	3.60	45	110240	9.577	ppbv 96
14) Bromoethene	3.73	108	933834	10.446	ppbv 100
15) Acetone	3.84	43	1025133	8.536	ppbv 100
16) 1,3-Butadiene	3.32	39	459088	10.269	ppbv 98
17) tert-Butyl alcohol	4.29	59	1593852	10.903	ppbv 99
18) 1,1-Dichloroethene	4.28	96	937744	10.253	ppbv 97
19) Isopropyl Alcohol	3.96	45	758394	10.586	ppbv 99
20) Methylene Chloride	4.34	84	833947	9.324	ppbv 99
21) Allyl Chloride	4.40	41	616144	10.951	ppbv 98
22) trans-1,2-Dichloroethene	4.88	96	980297	10.068	ppbv 95
23) Vinyl Acetate	5.07	43	1634322	10.603	ppbv 99
24) 1,1-Dichloroethane	5.01	63	1595093	10.056	ppbv 100
25) Ethyl Acetate	5.67	43	2083335	9.820	ppbv 100
26) Hexane	5.68	57	1213703	10.097	ppbv 98
27) Carbon Disulfide	4.54	76	2002589	11.609	ppbv 99
28) Methyl tert-Butyl Ether	5.03	73	2244805	10.715	ppbv 100
29) Chloroform	5.75	83	2457121	10.032	ppbv 99
30) Cyclohexane	7.13	84	1381681	10.729	ppbv 99
31) cis-1,2-Dichloroethene	5.55	61	1310494	10.626	ppbv 97
32) 1,1,1-Trichloroethane	6.51	97	2473941	10.412	ppbv 100
34) 2-Butanone	5.24	43	1437768	10.091	ppbv 98
35) Carbon Tetrachloride	7.02	117	2575620	10.674	ppbv 99
36) Benzene	6.89	78	3184796	10.248	ppbv 100
37) 1,2-Dichloroethane	6.30	62	1503450	10.147	ppbv 100
38) Trichloroethene	7.83	130	1667009	9.235	ppbv 97
39) 1,2-Dichloropropane	7.62	63	1067138	10.165	ppbv 99
40) 1,4-Dioxane	7.83	88	559071	10.660	ppbv # 1
41) Tetrahydrofuran	6.04	42	822461	10.886	ppbv 98
42) Bromodichloromethane	7.79	83	2626033	10.960	ppbv 99
43) Methyl Methacrylate	8.01	69	1320555	10.989	ppbv 99

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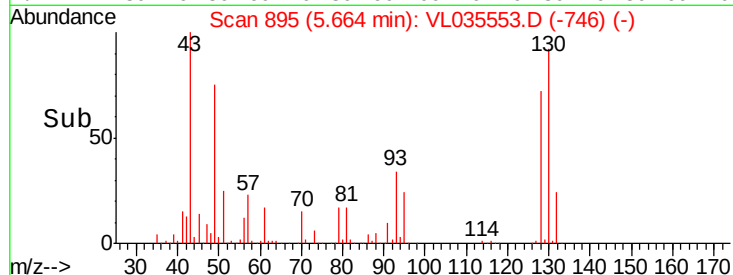
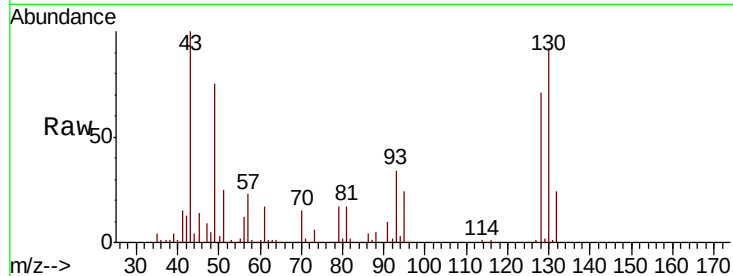
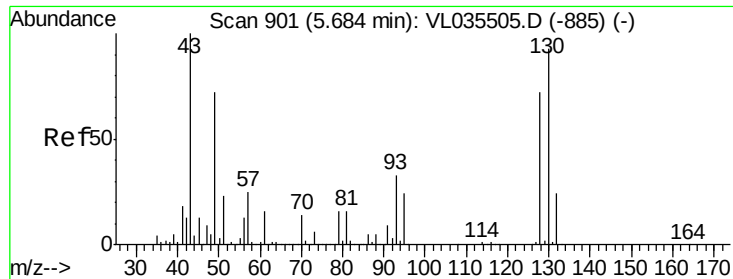
Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 20
 QLast Update : Thu Aug 27 06:46:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4036725	9.872	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1517276	12.464	ppbv	100
46) cis-1,3-Dichloropropene	8.71	75	1791972	11.856	ppbv	99
47) 1,1,2-Trichloroethane	9.48	97	1580342	10.202	ppbv	98
48) Dibromochloromethane	10.31	129	2740220	11.239	ppbv	100
49) Bromoform	13.05	173	2574135	11.650	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2149748	10.420	ppbv	99
51) 2-Hexanone	10.14	43	1861107	10.997	ppbv	99
52) Tetrachloroethene	11.23	164	1704965	9.391	ppbv	99
53) Toluene	9.81	91	4051440	10.367	ppbv	99
54) 1,2-Dibromoethane	10.62	107	2523376	10.309	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.14	131	2141510	10.959	ppbv	95
57) Chlorobenzene	12.16	112	3470689	9.820	ppbv	99
58) Ethyl Benzene	12.72	91	5271564	10.645	ppbv	100
59) m/p-Xylene	13.00	91	8472844m	20.476	ppbv	
60) o-Xylene	13.70	91	4325159	10.378	ppbv	100
61) Styrene	13.54	104	3575014	11.216	ppbv	99
62) Isopropylbenzene	14.68	105	6690677	9.994	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.69	83	3105583	9.611	ppbv	99
64) n-propylbenzene	15.58	120	2152783	10.537	ppbv	99
65) tert-Butylbenzene	16.76	119	6334186	10.178	ppbv	99
66) Benzyl Chloride	17.00	91	2212771	14.307	ppbv	99
67) sec-Butylbenzene	17.31	105	8233149	9.930	ppbv	99
69) p-Isopropyltoluene	17.67	119	7240010	9.955	ppbv	100
70) n-Butylbenzene	18.56	91	7044994	10.056	ppbv	99
71) 2-Chlorotoluene	15.46	91	5102364	10.466	ppbv	100
72) 4-Ethyltoluene	15.85	105	5522064	10.422	ppbv	100
73) 1,3,5-Trimethylbenzene	16.01	105	5130052	10.468	ppbv	98
74) 1,2,4-Trimethylbenzene	16.78	105	5347989	9.937	ppbv	98
75) 1,3-Dichlorobenzene	17.01	146	3863014	9.691	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	3939256	10.020	ppbv	100
77) 1,2-Dichlorobenzene	17.83	146	3821603	9.895	ppbv	99
78) Hexachloro-1,3-Butadiene	23.40	225	2446956	9.924	ppbv	100
79) Naphthalene	22.22	128	6588186	11.033	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	2666020	13.081	ppbv	99
81) 1,2,4-Trichlorobenzene	21.95	180	3753094	10.495	ppbv	100

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



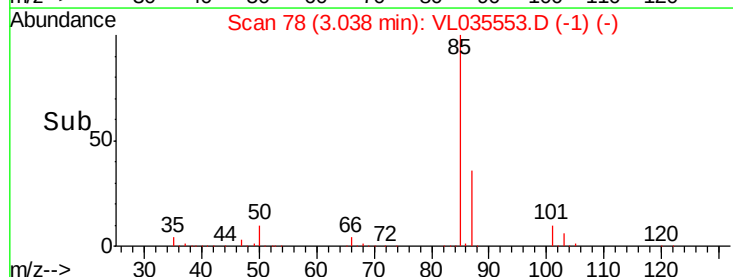
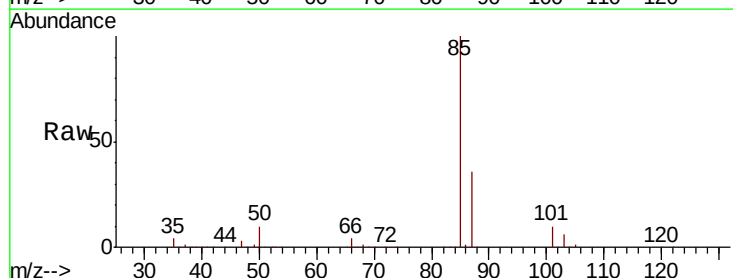
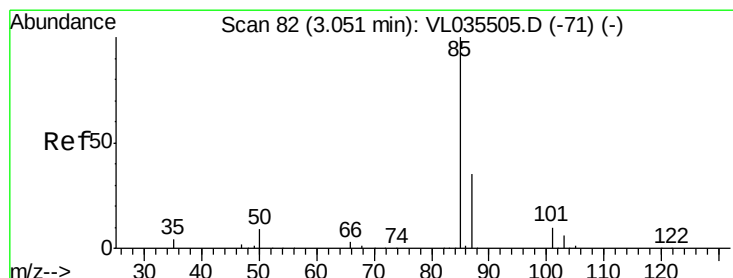
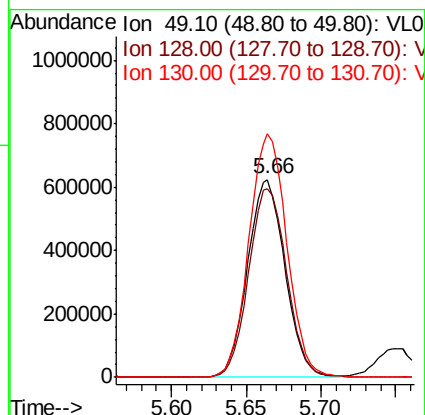
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.02 min
Lab File: VL035553.D
Acq: 8 Sep 2020 11:57

Tot Ion: 49 Resp: 1088865
Ion Ratio Lower Upper
49 100
128 97.2 50.0 150.1
130 125.3 64.4 193.2

Instrument :
MSVOA_L
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VSTDCCC010

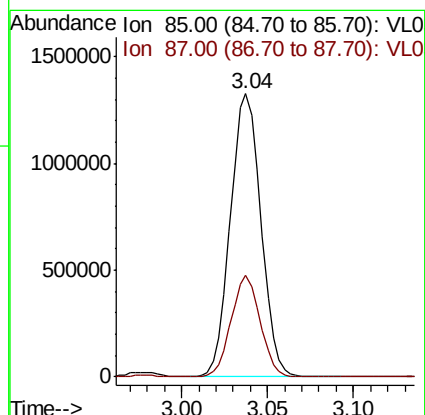
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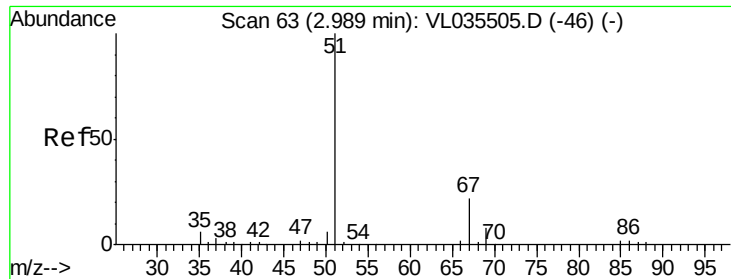
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#2
Dichlorodifluoromethane
Concen: 8.678 ppbv
RT: 3.04 min Scan# 78
Delta R.T. -0.01 min
Lab File: VL035553.D
Acq: 8 Sep 2020 11:57

Tgt Ion: 85 Resp: 1637479
Ion Ratio Lower Upper
85 100
87 35.9 28.0 42.0





#3

Chlorodifluoromethane

Concen: 9.964 ppbv

RT: 2.98 min Scan# 59

Delta R.T. -0.01 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

Tot Ion: 51 Resp: 1199940

Ion Ratio Lower Upper

51 100

67 22.7 17.8 26.8

Instrument :

MSVOA_L

ClientSampleId :

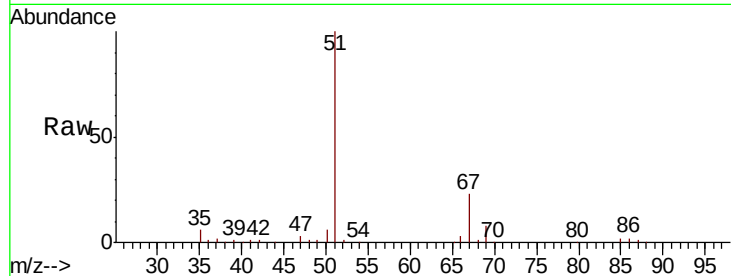
VSTDCCC010

Manual Integrations

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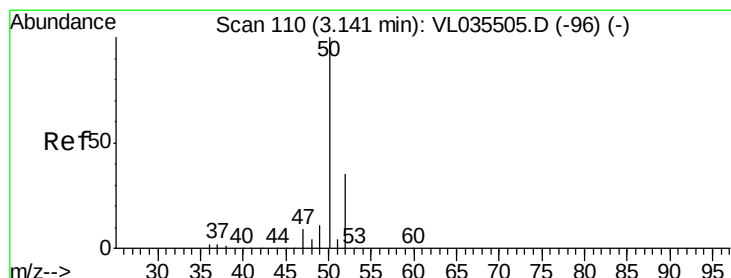
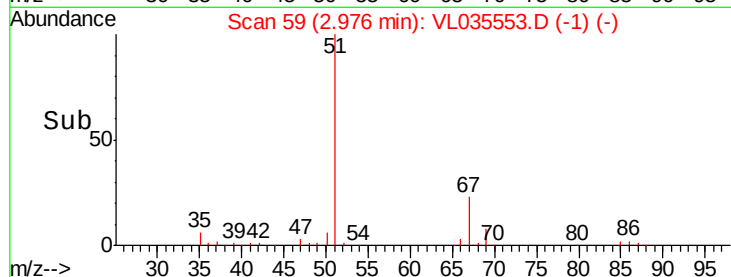
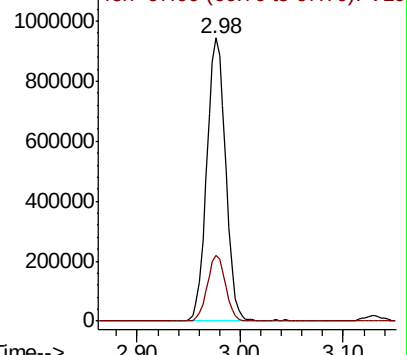
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.790 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.01 min

Lab File: VL035553.D

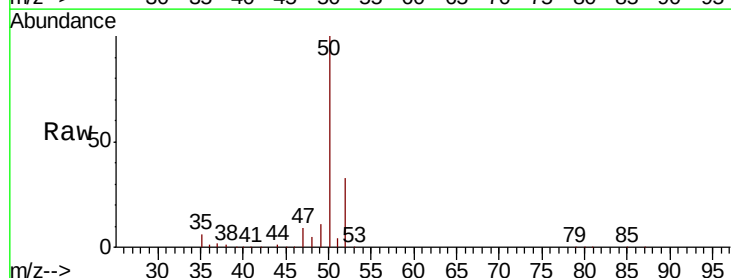
Acq: 8 Sep 2020 11:57

Tgt Ion: 50 Resp: 631639

Ion Ratio Lower Upper

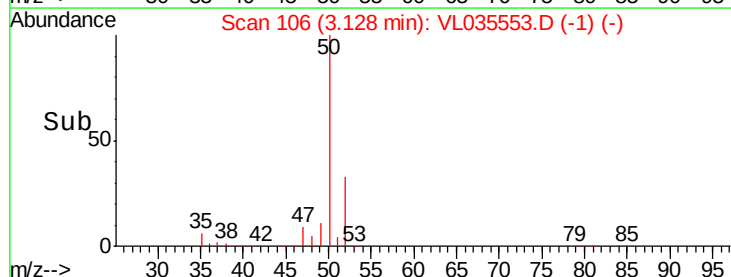
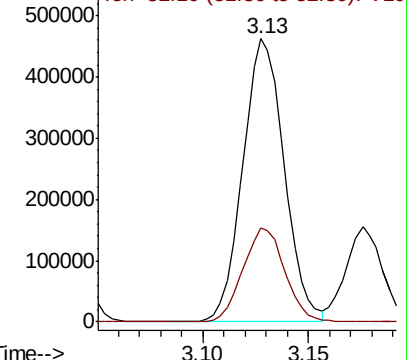
50 100

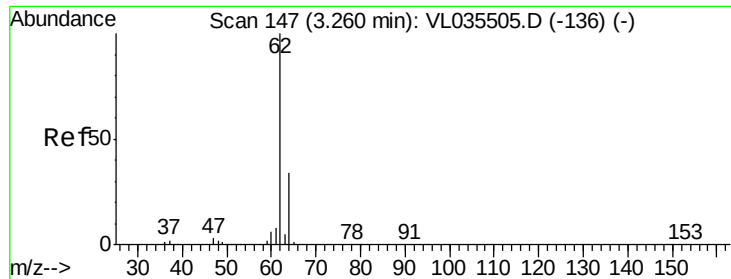
52 33.2 27.7 41.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.563 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.01 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 760657

Ion Ratio Lower Upper

62 100

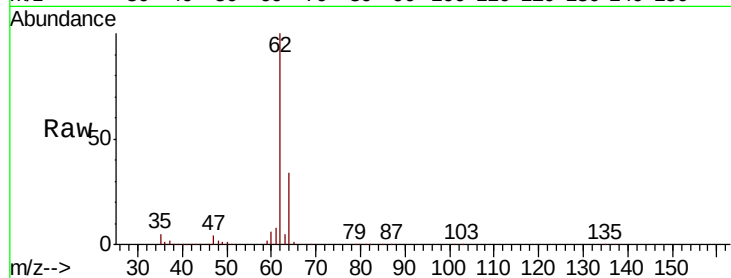
64 33.7 27.4 41.2

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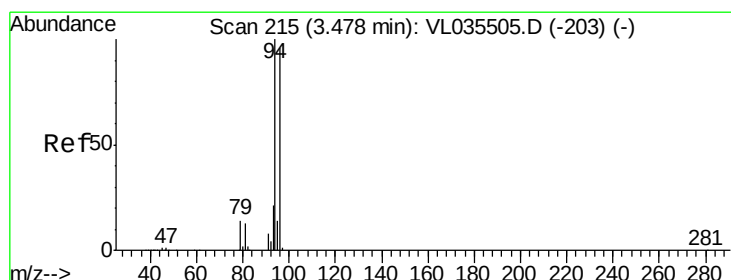
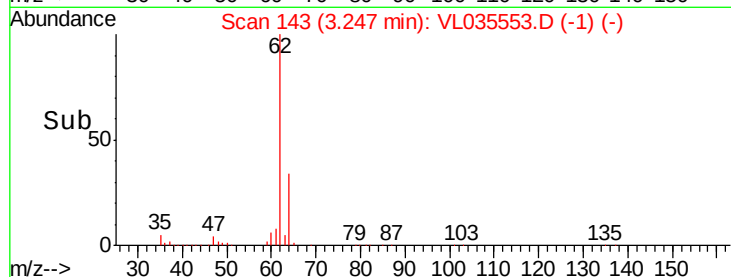
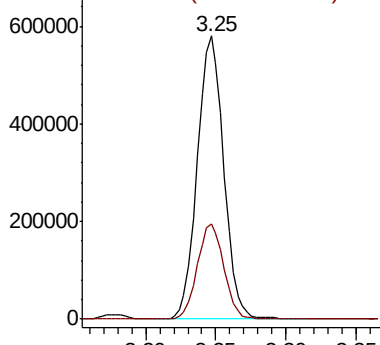
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.085 ppbv

RT: 3.46 min Scan# 210

Delta R.T. -0.02 min

Lab File: VL035553.D

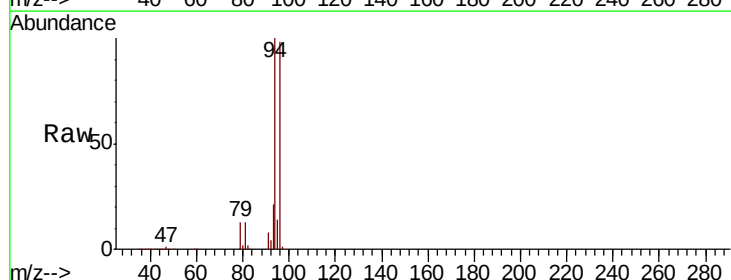
Acq: 8 Sep 2020 11:57

Tgt Ion: 94 Resp: 673794

Ion Ratio Lower Upper

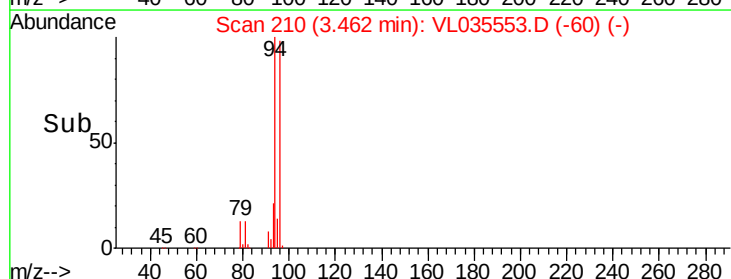
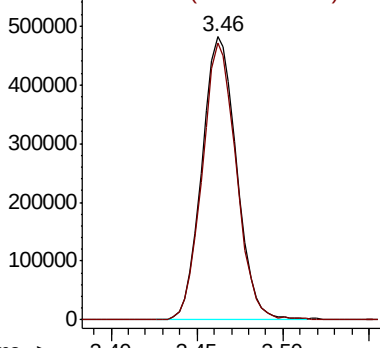
94 100

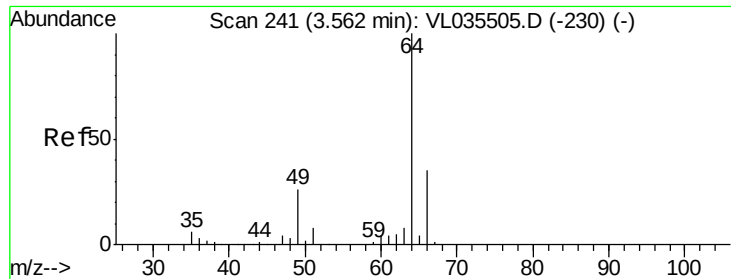
96 97.7 77.1 115.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.223 ppbv

RT: 3.55 min Scan# 237

Delta R.T. -0.01 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

Instrument :

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ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 287512

Ion Ratio Lower Upper

64 100

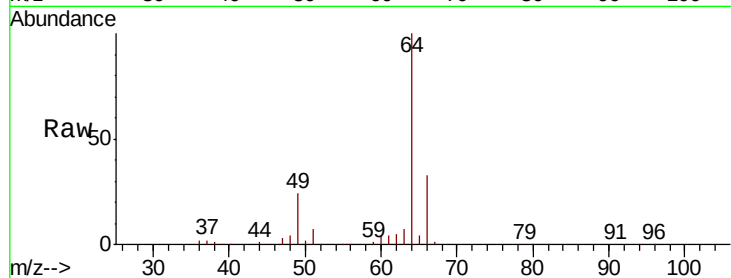
66 33.4 27.7 41.5

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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

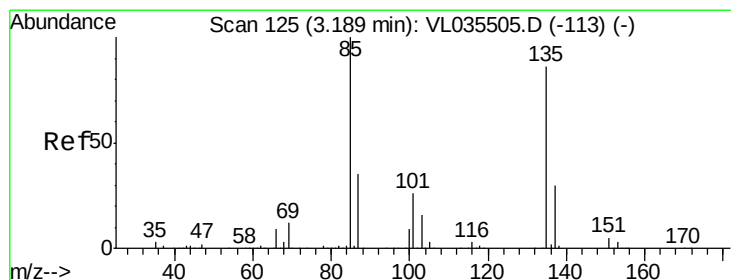
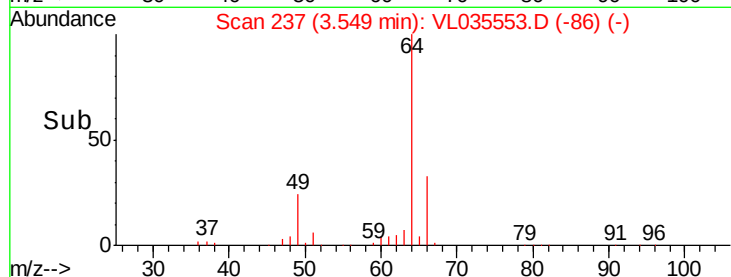
0

3.50

3.55

3.60

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.552 ppbv

RT: 3.18 min Scan# 121

Delta R.T. -0.01 min

Lab File: VL035553.D

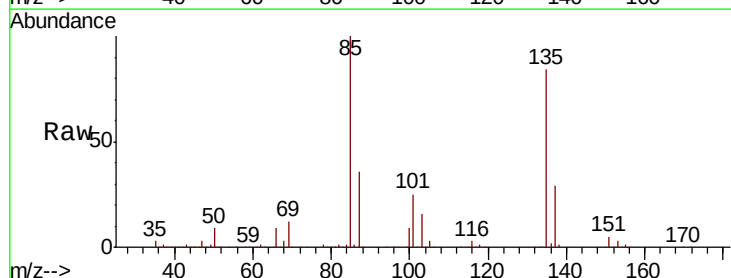
Acq: 8 Sep 2020 11:57

Tgt Ion: 85 Resp: 2182891

Ion Ratio Lower Upper

85 100

135 85.6 70.4 105.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

2000000

1500000

1000000

500000

0

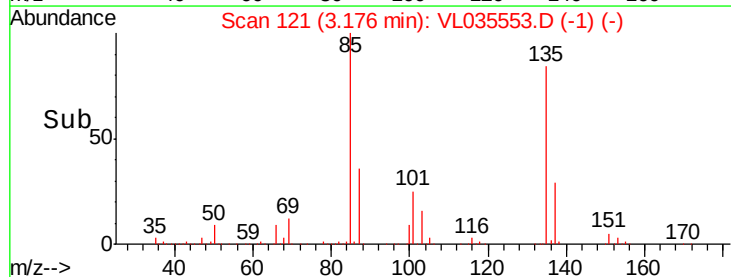
3.10

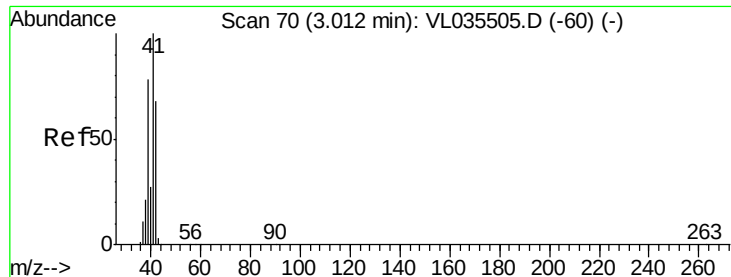
3.15

3.20

3.25

Time-->





#9

Propene

Concen: 9.890 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 41 Resp: 459139

Ion Ratio Lower Upper

41 100

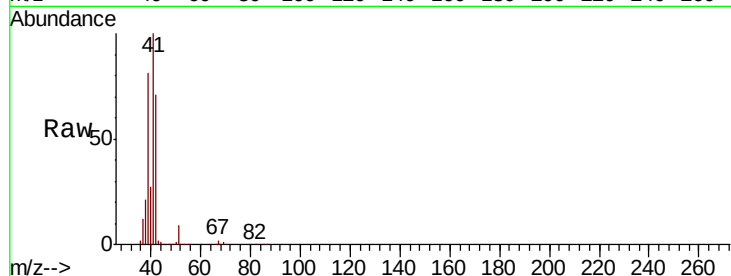
42 70.1 56.3 84.5

Manual Integrations

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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3.00

400000

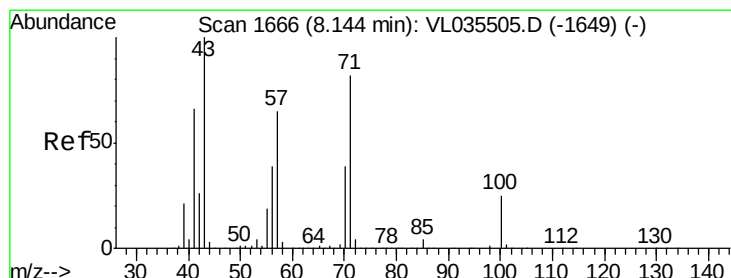
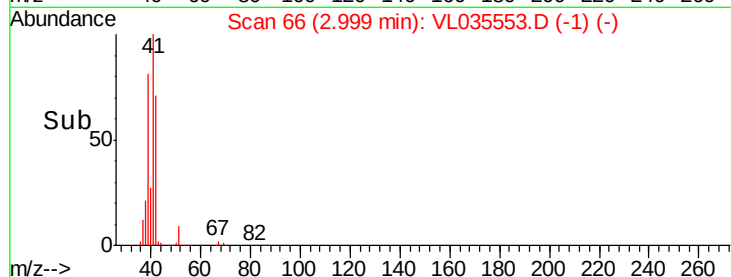
300000

200000

100000

0

Time-->



#10

Heptane

Concen: 10.150 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. -0.02 min

Lab File: VL035553.D

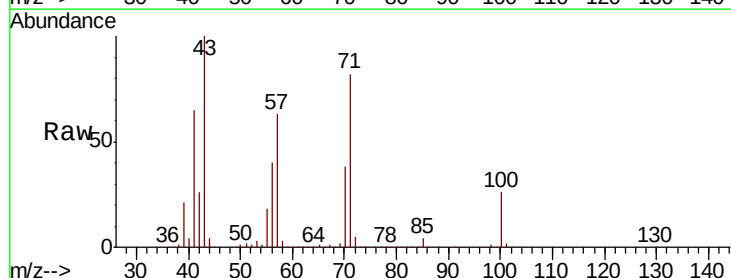
Acq: 8 Sep 2020 11:57

Tgt Ion: 43 Resp: 1265710

Ion Ratio Lower Upper

43 100

57 65.1 51.4 77.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.12

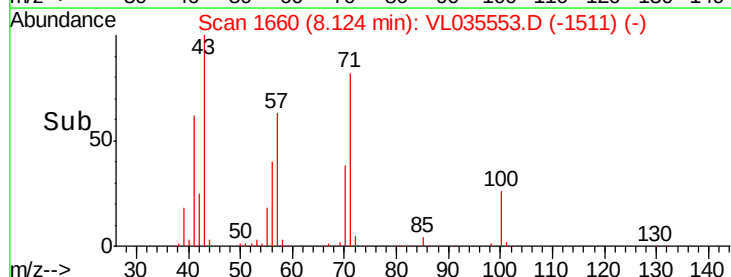
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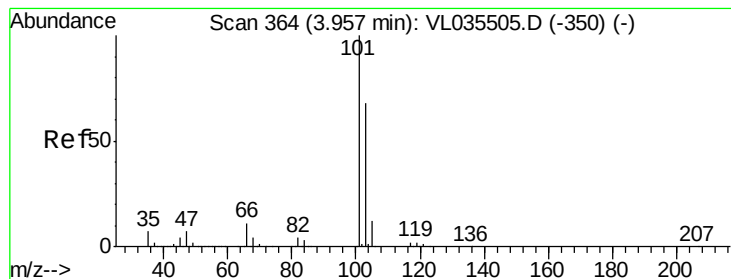
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200000

0

Time-->





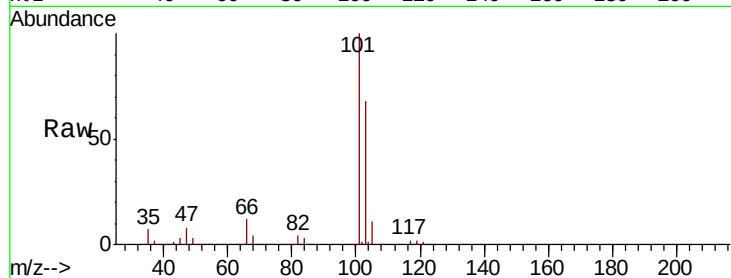
#11
 Trichlorofluoromethane
 Concen: 9.447 ppbv
 RT: 3.94 min Scan# 359
 Delta R.T. -0.02 min
 Lab File: VL035553.D
 Acq: 8 Sep 2020 11:57

Instrument :
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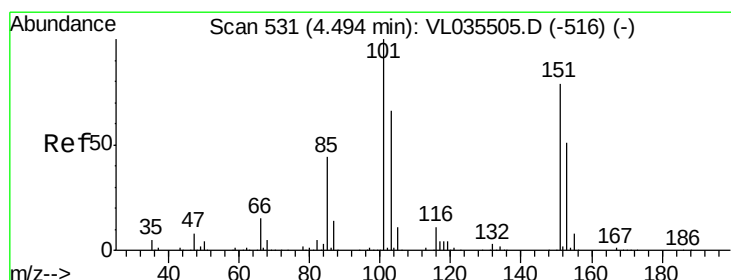
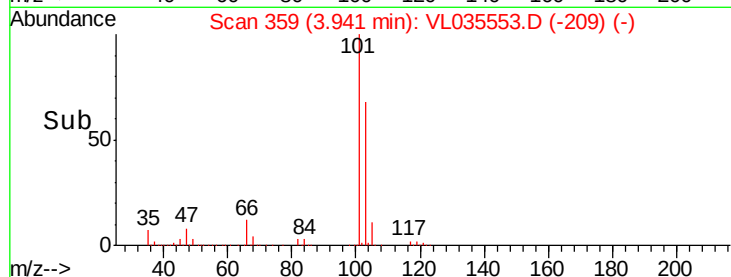
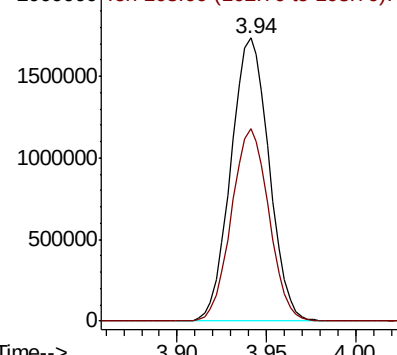
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 Ion Ratio Lower Upper
 101 100
 103 68.0 54.5 81.7

Manual Integrations
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sam
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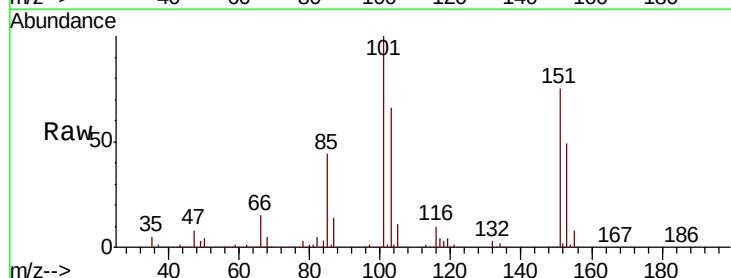


Abundance Ion 101.00 (100.70 to 101.70): V
 2000000 Ion 103.00 (102.70 to 103.70): V

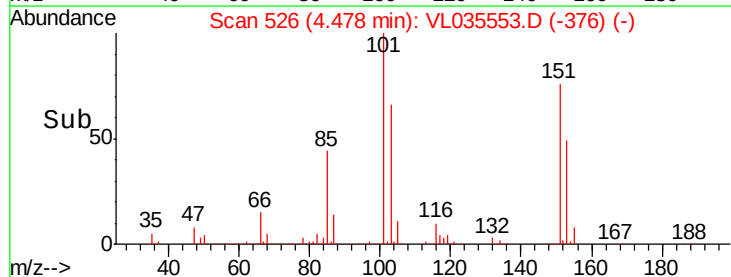
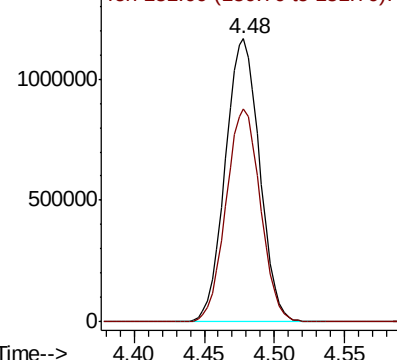


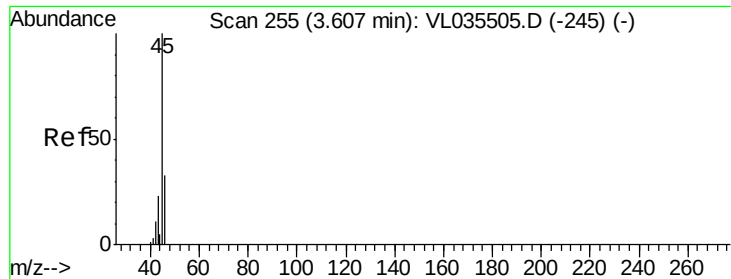
#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.575 ppbv
 RT: 4.48 min Scan# 526
 Delta R.T. -0.02 min
 Lab File: VL035553.D
 Acq: 8 Sep 2020 11:57

Tgt Ion:101 Resp: 1988747
 Ion Ratio Lower Upper
 101 100
 151 75.7 63.5 95.3



Abundance Ion 101.00 (100.70 to 101.70): V
 1000000 Ion 151.00 (150.70 to 151.70): V





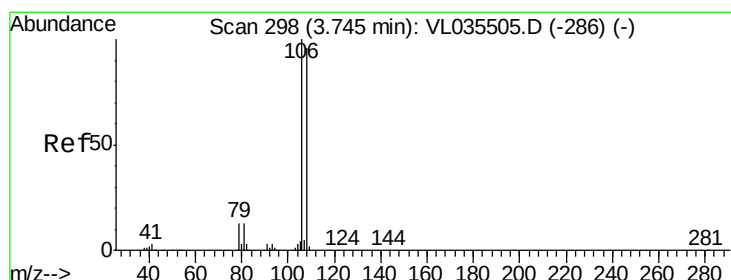
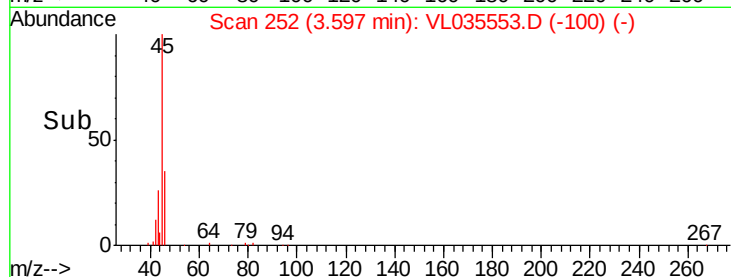
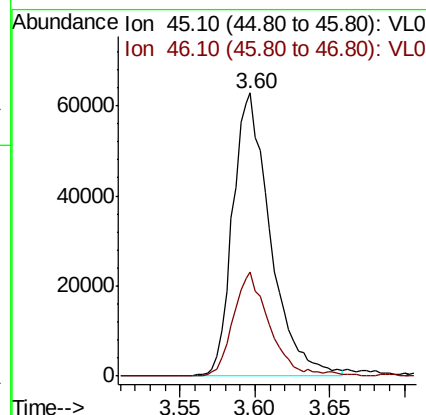
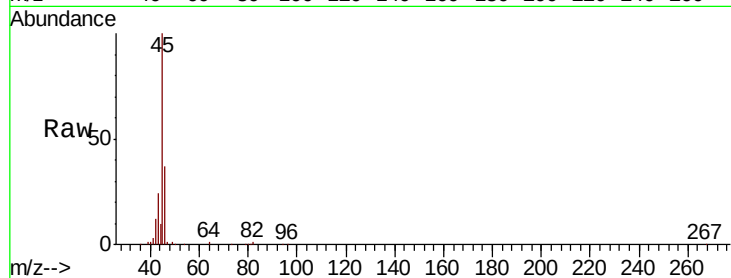
#13
Ethanol
Concen: 9.577 ppbv
RT: 3.60 min Scan# 252
Delta R.T. -0.01 min
Lab File: VL035553.D
Acq: 8 Sep 2020 11:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 45 Resp: 110240
Ion Ratio Lower Upper
45 100
46 35.5 15.2 60.6

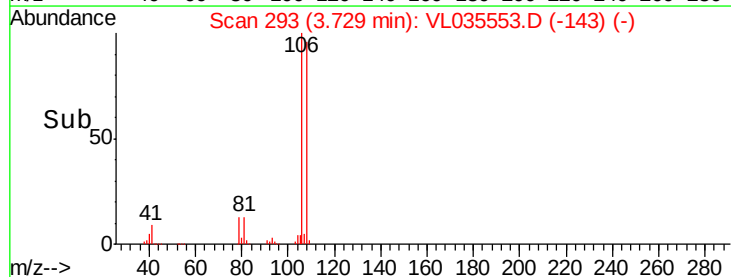
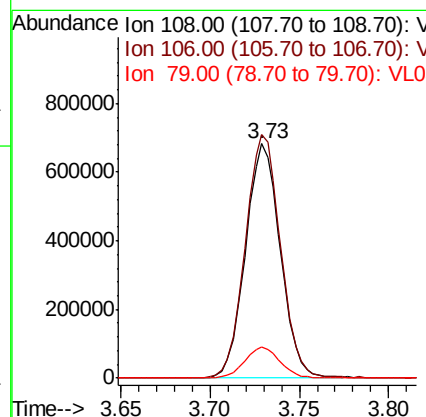
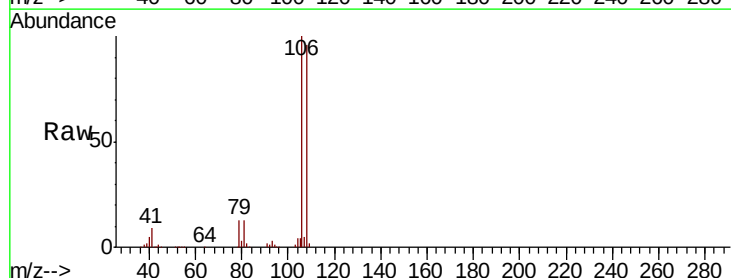
Manual Integrations
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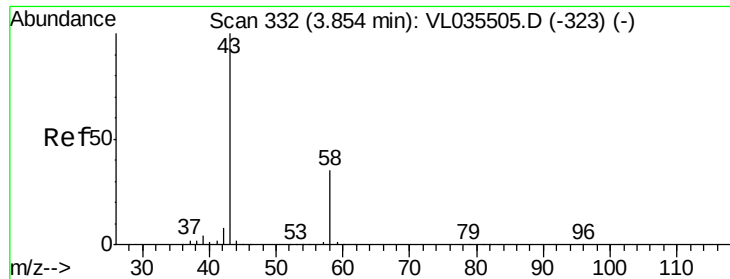
sam
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#14
Bromoethene
Concen: 10.446 ppbv
RT: 3.73 min Scan# 293
Delta R.T. -0.02 min
Lab File: VL035553.D
Acq: 8 Sep 2020 11:57

Tgt Ion: 108 Resp: 933834
Ion Ratio Lower Upper
108 100
106 105.5 84.9 127.3
79 13.5 10.8 16.2





#15

Acetone

Concen: 8.536 ppbv

RT: 3.84 min Scan# 328

Delta R.T. -0.01 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1025133

Ion Ratio Lower Upper

43 100

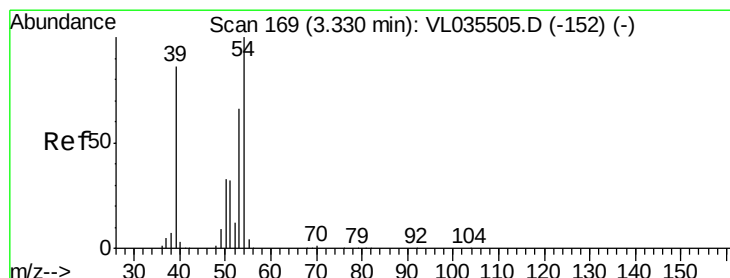
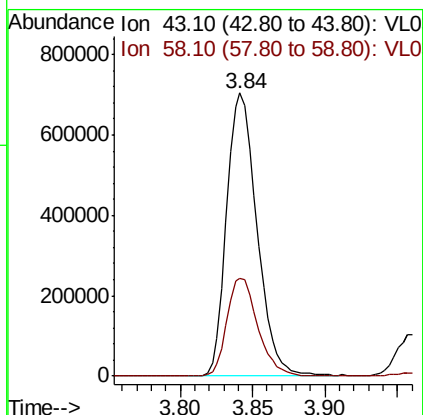
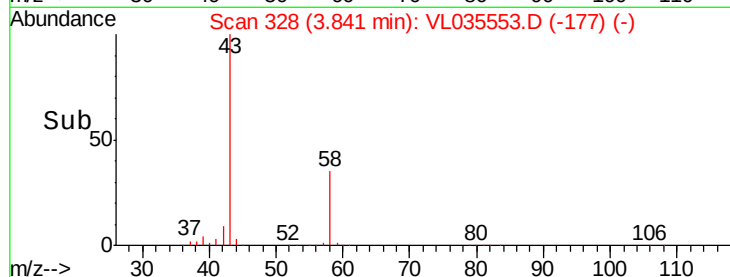
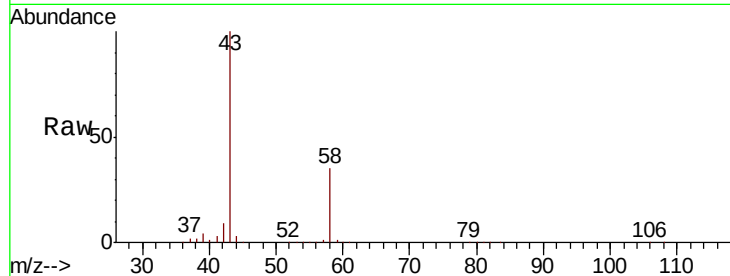
58 35.4 28.4 42.6

Manual Integrations

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sam

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#16

1,3-Butadiene

Concen: 10.269 ppbv

RT: 3.32 min Scan# 165

Delta R.T. -0.01 min

Lab File: VL035553.D

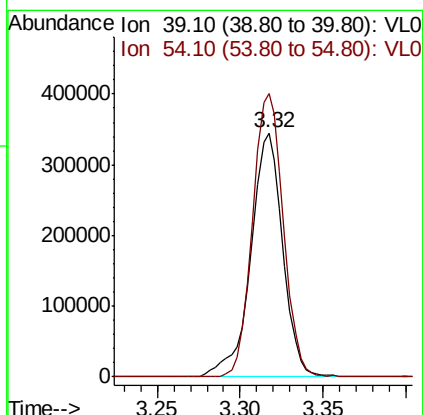
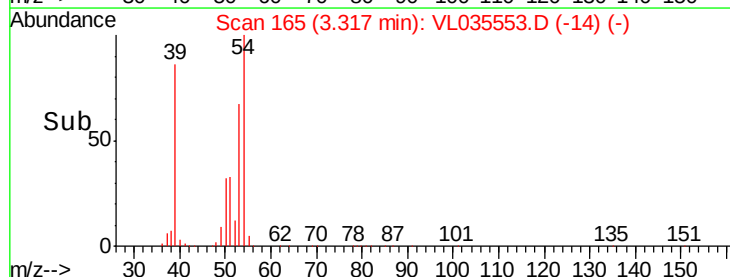
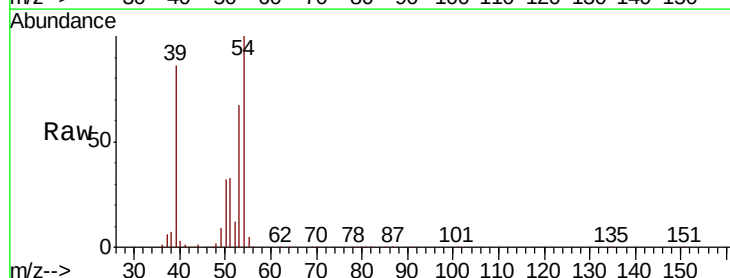
Acq: 8 Sep 2020 11:57

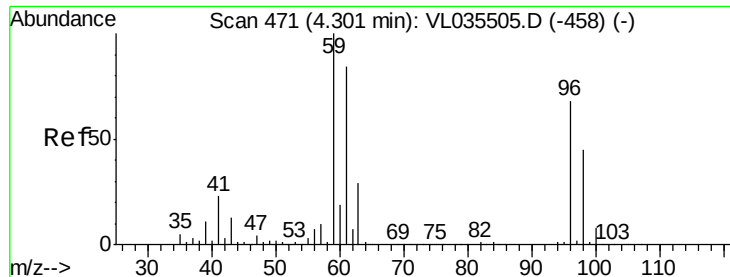
Tgt Ion: 39 Resp: 459088

Ion Ratio Lower Upper

39 100

54 112.5 88.4 132.6





#17

tert-Butyl alcohol

Concen: 10.903 ppbv

RT: 4.29 min Scan# 466

Delta R.T. -0.02 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

Tot Ion: 59 Resp: 1593852

Ion Ratio Lower Upper

59 100

57 10.3 8.4 12.6

Instrument :

MSVOA_L

ClientSampleId :

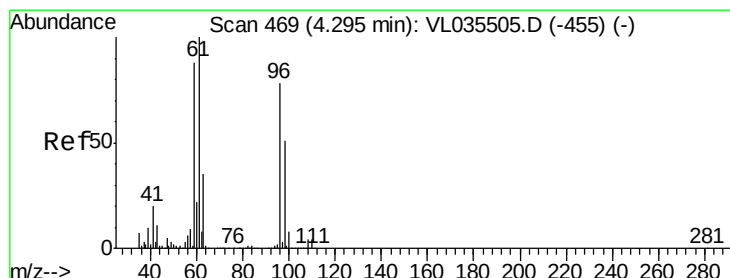
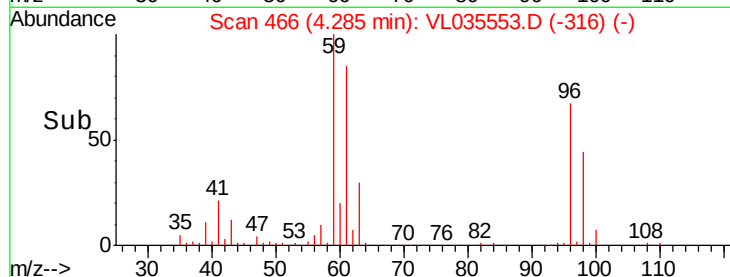
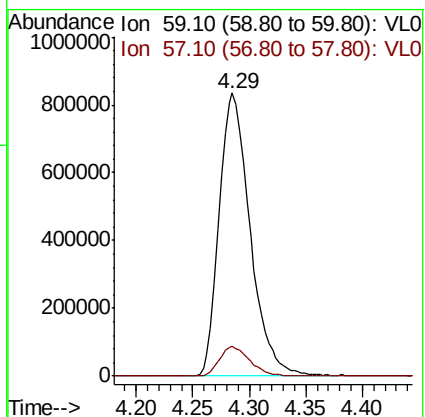
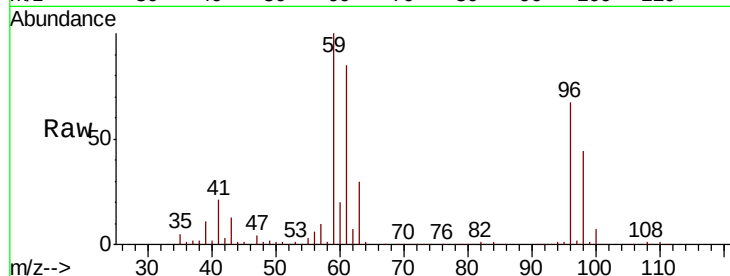
VSTDCCC010

Manual Integrations

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#18

1,1-Dichloroethene

Concen: 10.253 ppbv

RT: 4.28 min Scan# 465

Delta R.T. -0.01 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

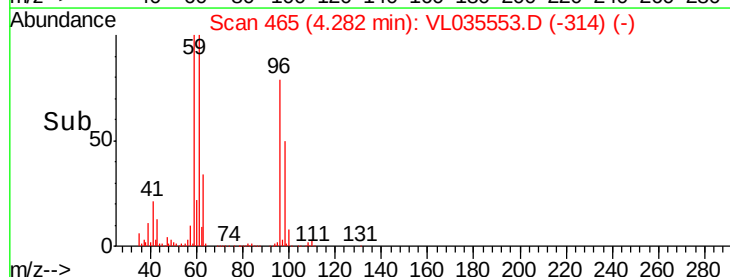
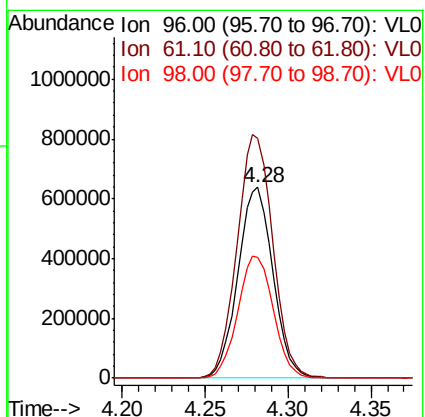
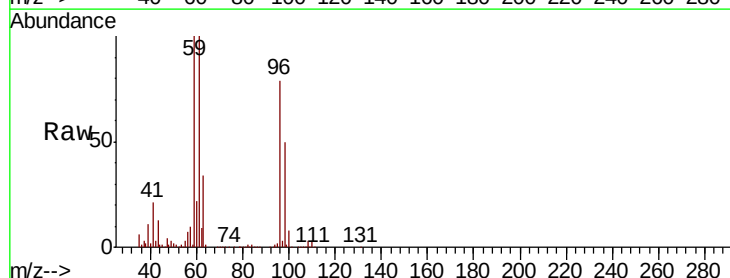
Tgt Ion: 96 Resp: 937744

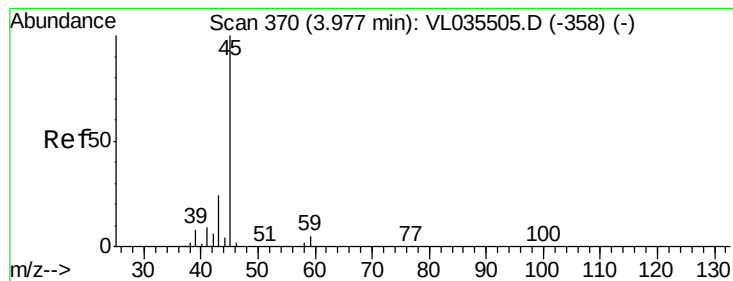
Ion Ratio Lower Upper

96 100

61 125.8 103.0 154.6

98 63.5 52.8 79.2





#19

Isopropyl Alcohol

Concen: 10.586 ppbv

RT: 3.96 min Scan# 365

Delta R.T. -0.02 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 758394

Ion Ratio Lower Upper

45 100

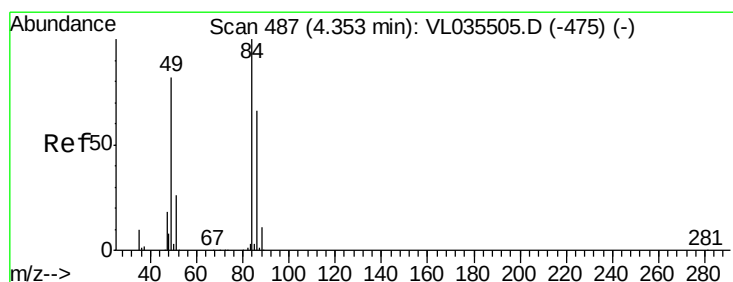
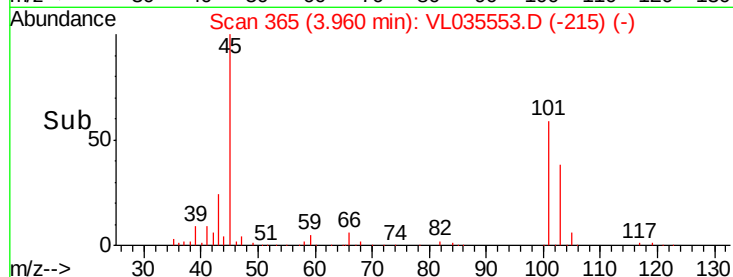
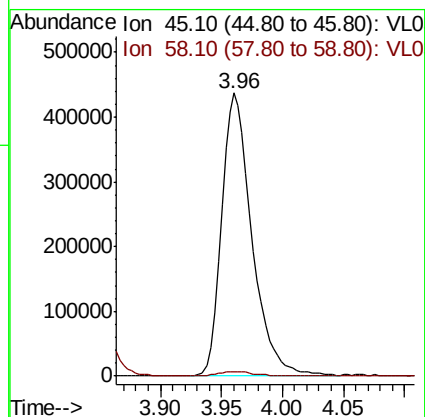
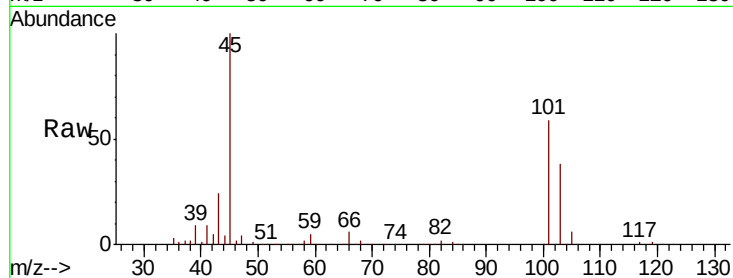
58 2.1 2.0 3.0

Manual Integrations

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#20

Methylene Chloride

Concen: 9.324 ppbv

RT: 4.34 min Scan# 482

Delta R.T. -0.02 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

Tgt Ion: 84 Resp: 833947

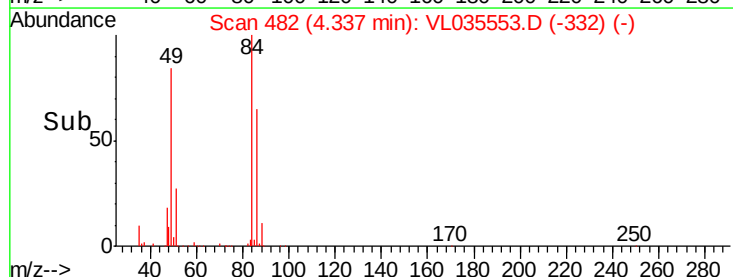
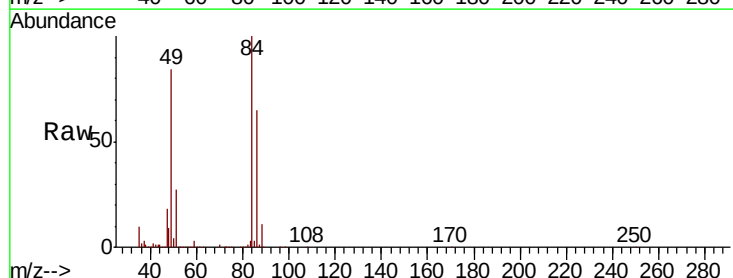
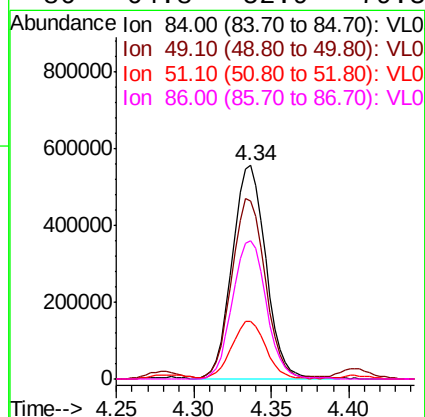
Ion Ratio Lower Upper

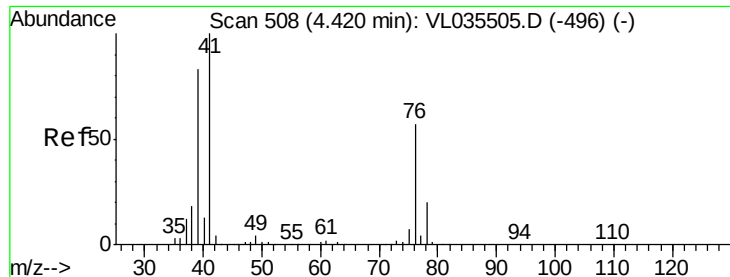
84 100

49 82.8 65.4 98.0

51 26.2 21.5 32.3

86 64.8 52.9 79.3





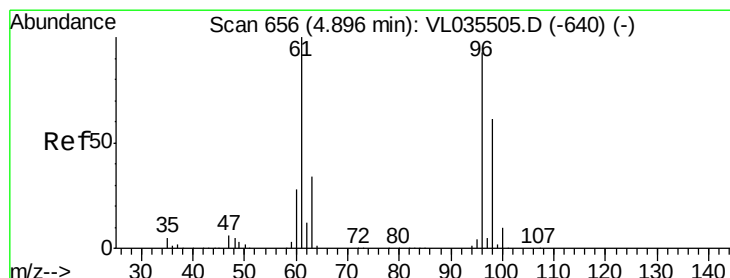
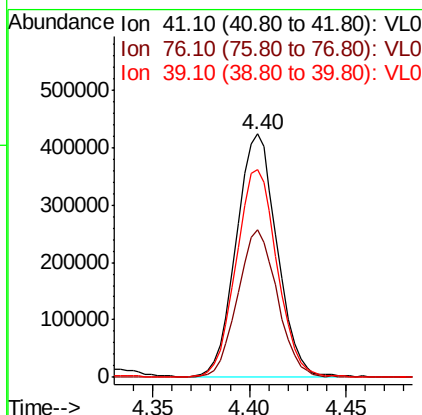
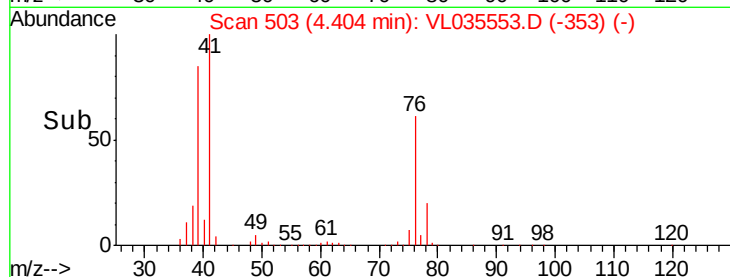
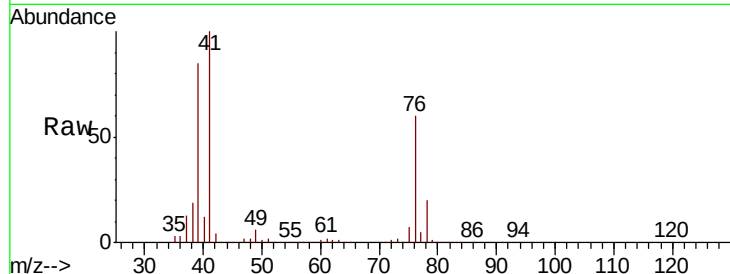
#21
Allvl Chloride
Concen: 10.951 ppbv
RT: 4.40 min Scan# 503
Delta R.T. -0.02 min
Lab File: VL035553.D
Acq: 8 Sep 2020 11:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
41	100		
76	59.7	46.2	69.2
39	86.3	67.8	101.6

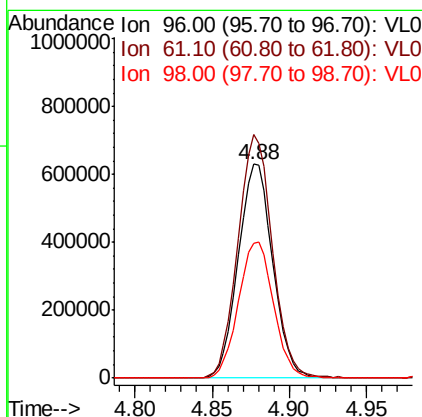
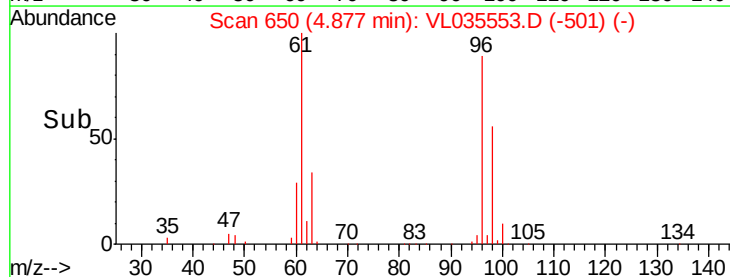
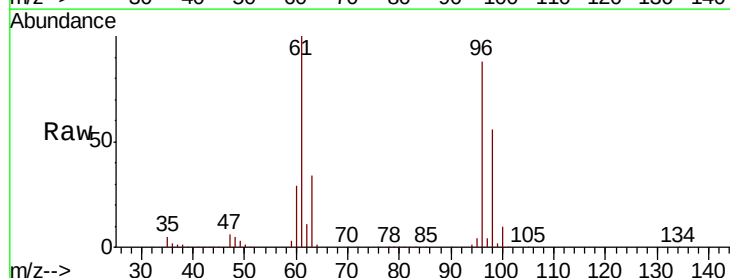
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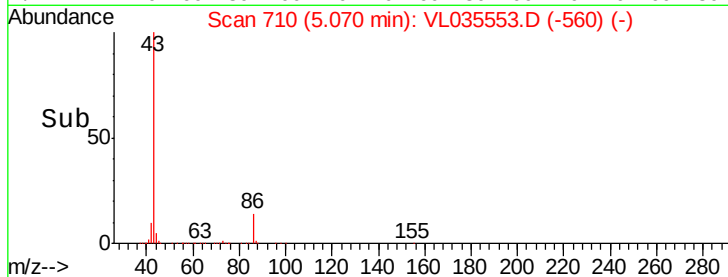
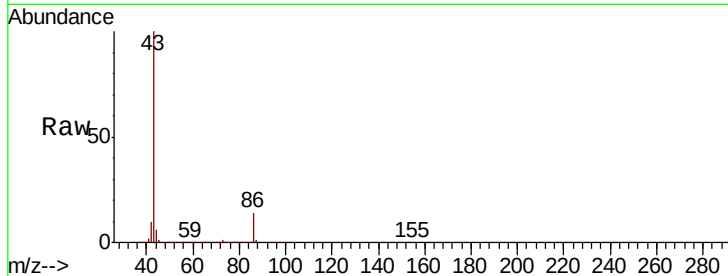
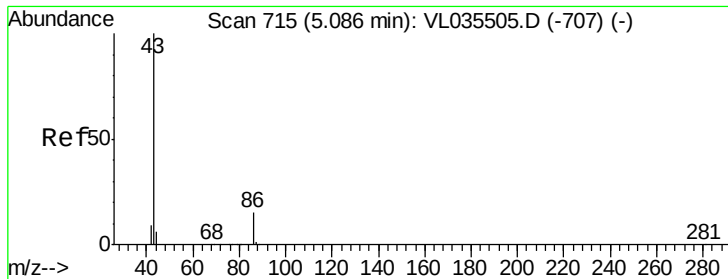
sam
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#22
trans-1,2-Dichloroethene
Concen: 10.068 ppbv
RT: 4.88 min Scan# 650
Delta R.T. -0.02 min
Lab File: VL035553.D
Acq: 8 Sep 2020 11:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	113.9	86.0	129.0
98	63.4	52.3	78.5





#23

Vinyl Acetate

Concen: 10.603 ppbv

RT: 5.07 min Scan# 710

Delta R.T. -0.02 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

Tot Ion: 43 Resp: 1634322

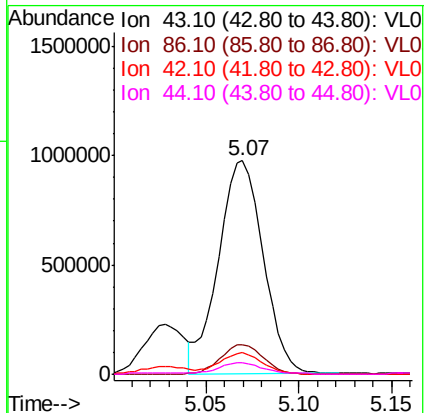
Ion Ratio Lower Upper

43 100

86 13.7 10.6 16.0

42 9.9 7.5 11.3

44 5.4 4.4 6.6



Instrument :

MSVOA_L

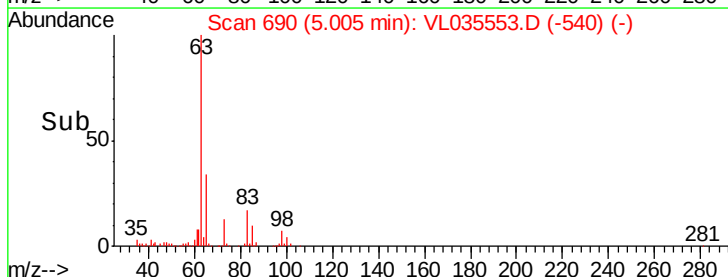
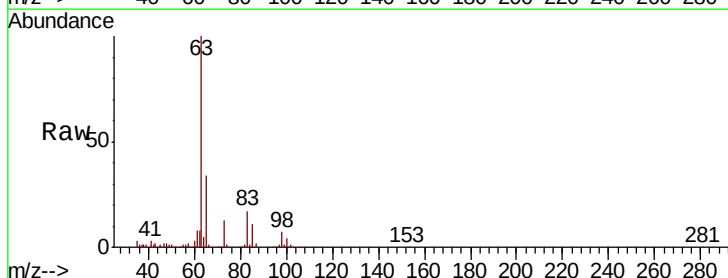
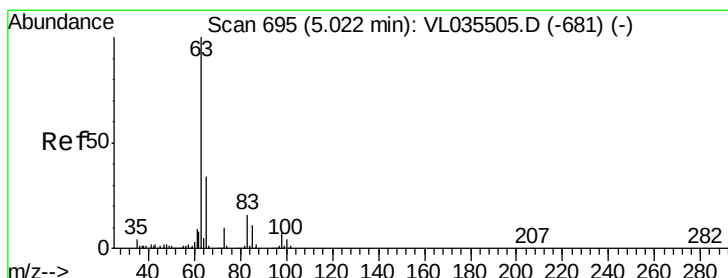
ClientSampleId :

VSTDCCC010

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sam

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#24

1,1-Dichloroethane

Concen: 10.056 ppbv

RT: 5.01 min Scan# 690

Delta R.T. -0.02 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

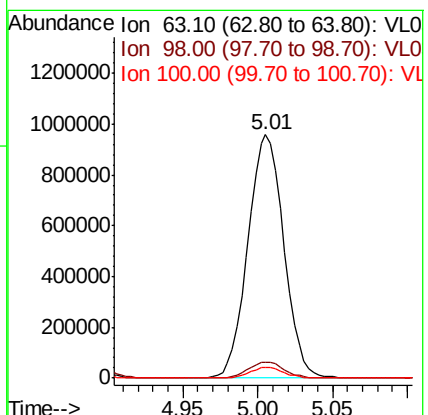
Tgt Ion: 63 Resp: 1595093

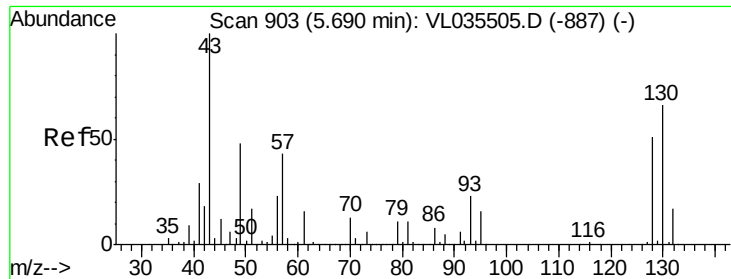
Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.1

100 4.2 2.1 6.5





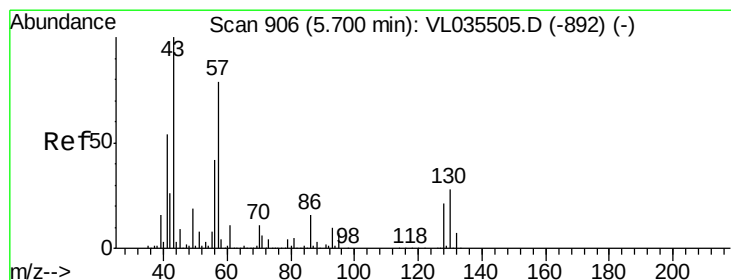
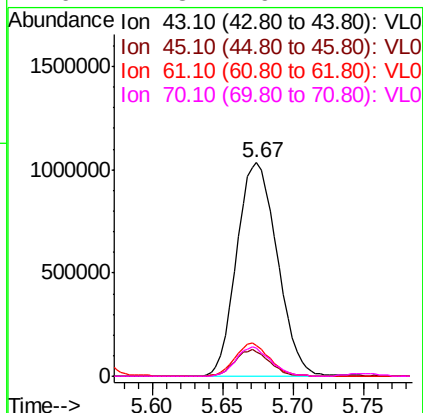
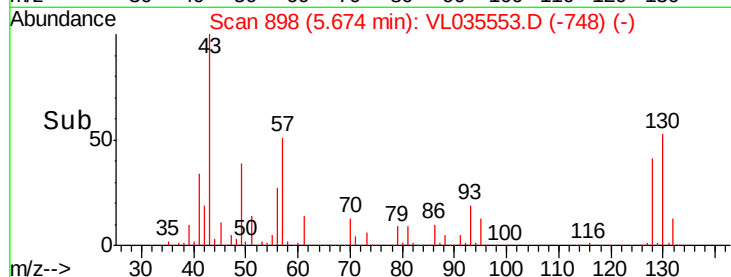
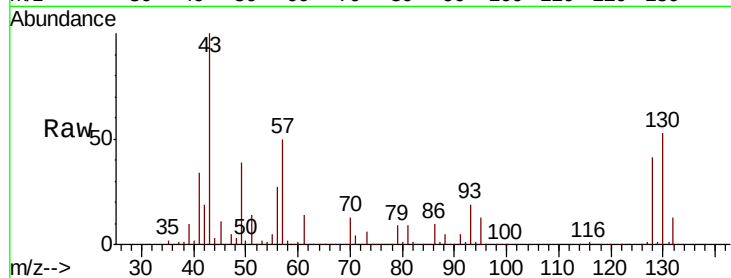
#25
Ethyl Acetate
Concen: 9.820 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.02 min
Lab File: VL035553.D
Acq: 8 Sep 2020 11:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
43	100		
45	10.8	8.4	12.6
61	13.5	10.6	16.0
70	11.8	9.4	14.2

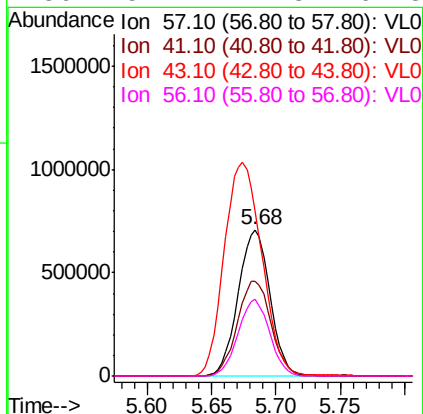
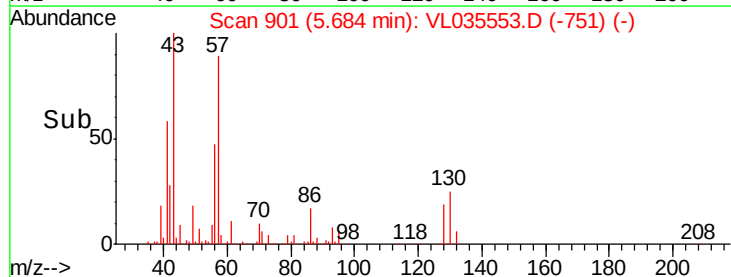
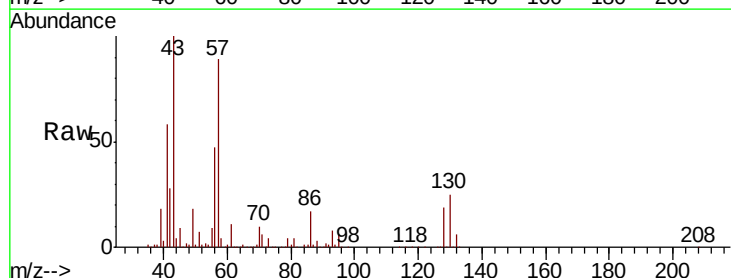
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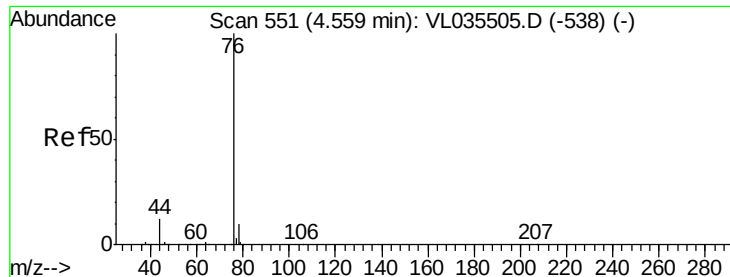
sam
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#26
Hexane
Concen: 10.097 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.02 min
Lab File: VL035553.D
Acq: 8 Sep 2020 11:57

Tgt Ion	Ratio	Lower	Upper
57	100		
41	69.5	55.9	83.9
43	172.1	141.8	212.8
56	52.1	41.8	62.8





#27

Carbon Disulfide

Concen: 11.609 ppbv

RT: 4.54 min Scan# 546

Delta R.T. -0.02 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 2002589

Ion Ratio Lower Upper

76 100

44 11.4 9.3 13.9

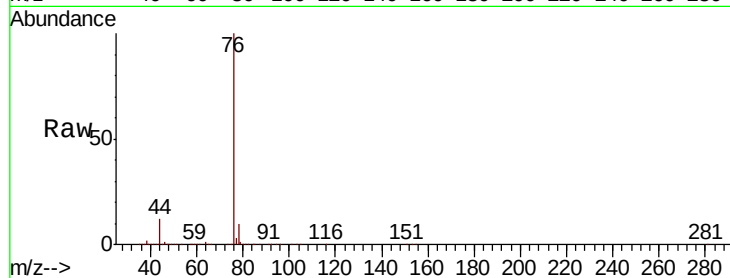
78 9.8 7.8 11.6

Manual Integrations

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sam

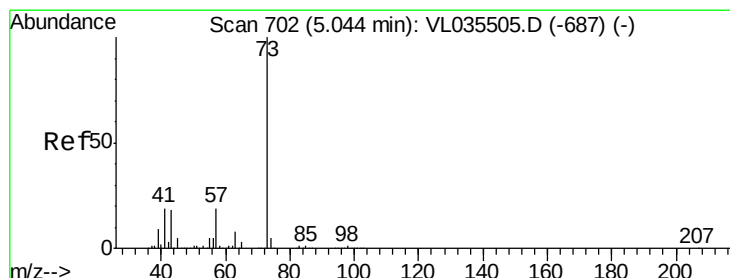
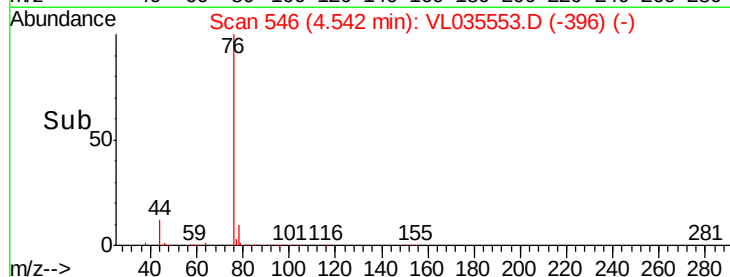
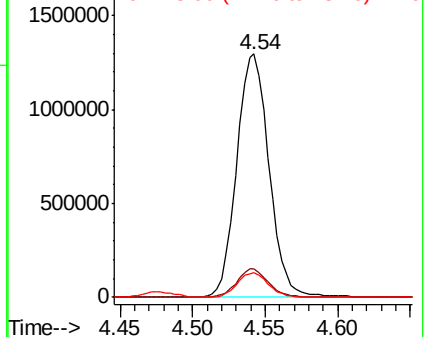
9/14/2020 3:54:37 PM



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.715 ppbv

RT: 5.03 min Scan# 697

Delta R.T. -0.02 min

Lab File: VL035553.D

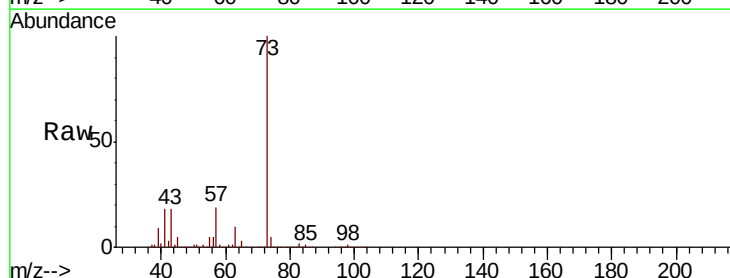
Acq: 8 Sep 2020 11:57

Tgt Ion: 73 Resp: 2244805

Ion Ratio Lower Upper

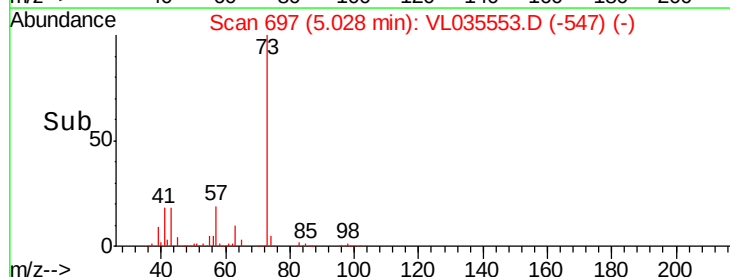
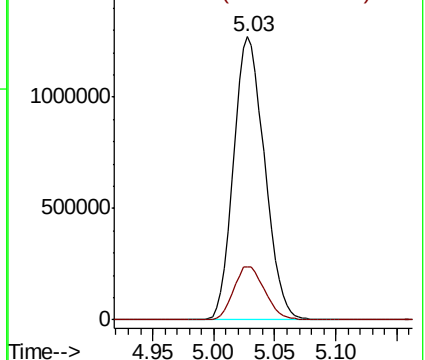
73 100

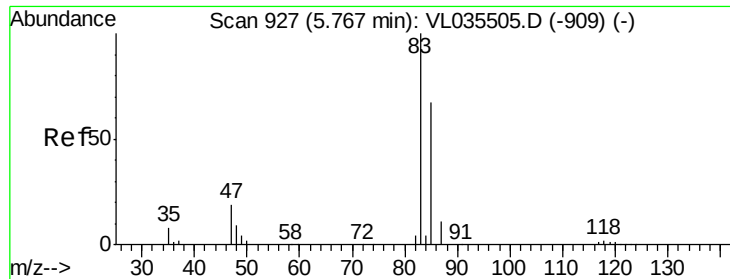
57 19.1 15.2 22.8



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





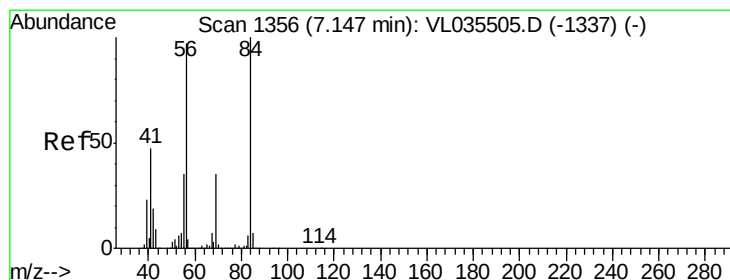
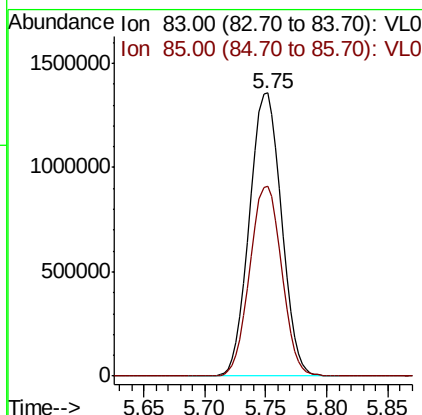
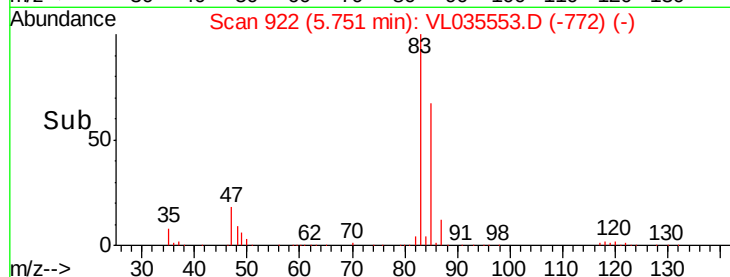
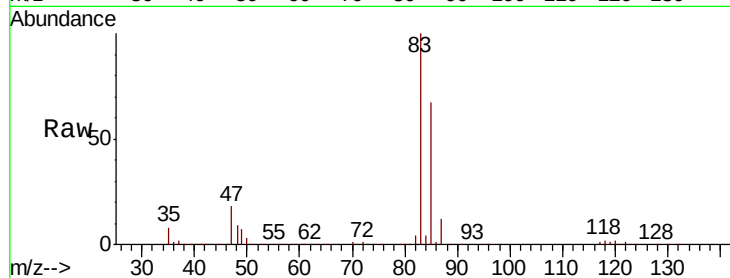
#29
Chloroform
Concen: 10.032 ppbv
RT: 5.75 min Scan# 922
Delta R.T. -0.02 min
Lab File: VL035553.D
Acq: 8 Sep 2020 11:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 2457121
Ion Ratio Lower Upper
83 100
85 66.8 53.9 80.9

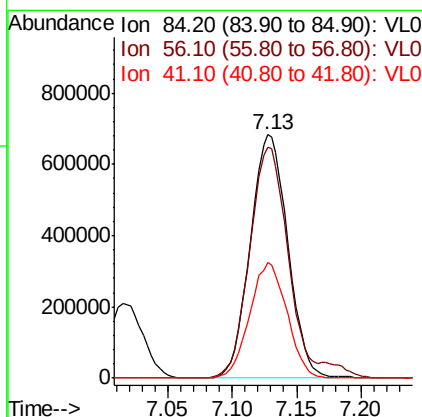
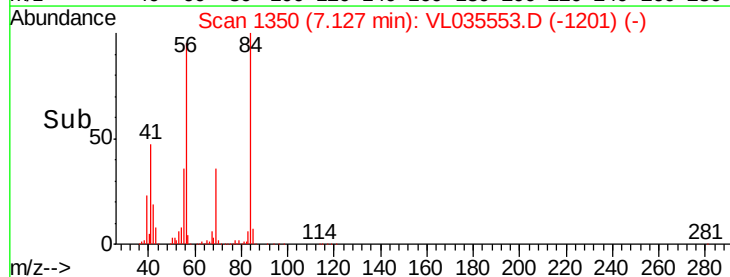
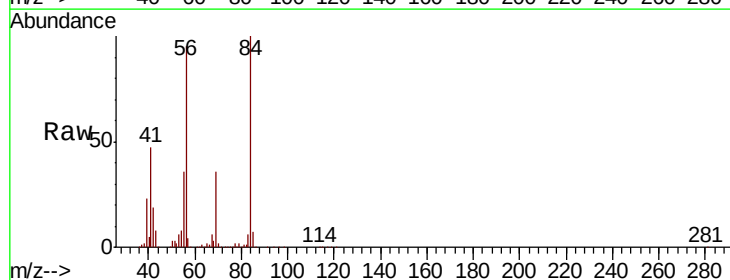
Manual Integrations
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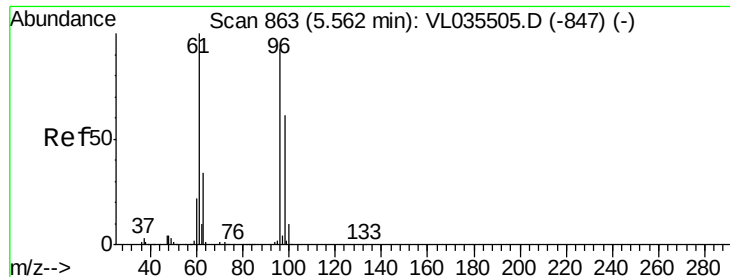
sam
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#30
Cyclohexane
Concen: 10.729 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. -0.02 min
Lab File: VL035553.D
Acq: 8 Sep 2020 11:57

Tgt Ion: 84 Resp: 1381681
Ion Ratio Lower Upper
84 100
56 100.6 80.1 120.1
41 47.2 38.1 57.1





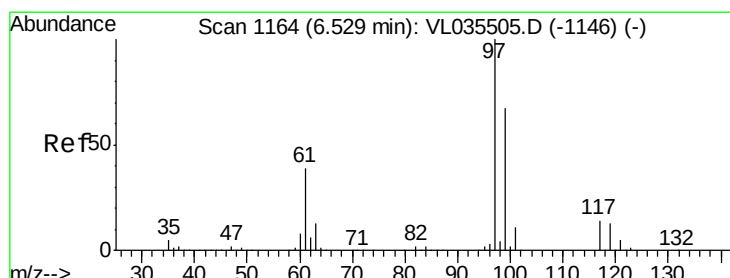
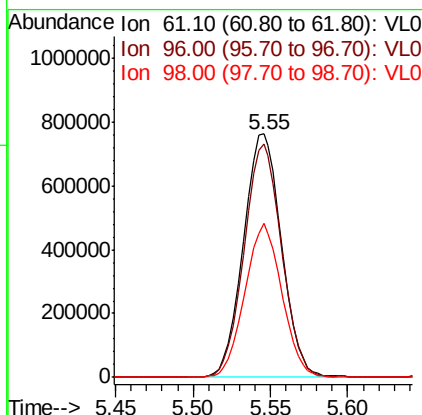
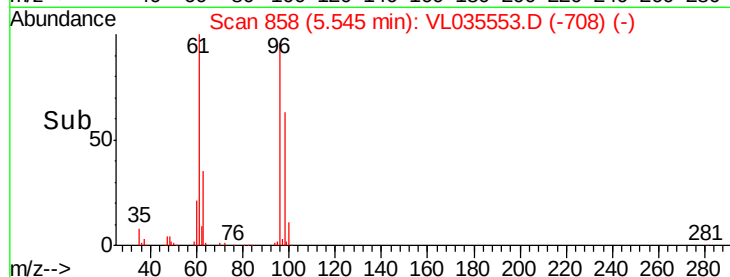
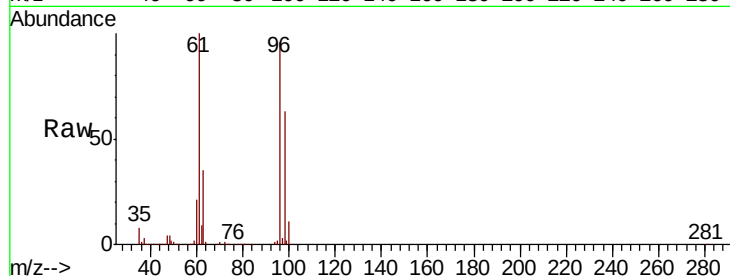
#31
 cis-1,2-Dichloroethene
 Concen: 10.626 ppbv
 RT: 5.55 min Scan# 858
 Delta R.T. -0.02 min
 Lab File: VL035553.D
 Acq: 8 Sep 2020 11:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 61 Resp: 1310494
 Ion Ratio Lower Upper
 61 100
 96 95.7 74.4 111.6
 98 63.1 49.2 73.8

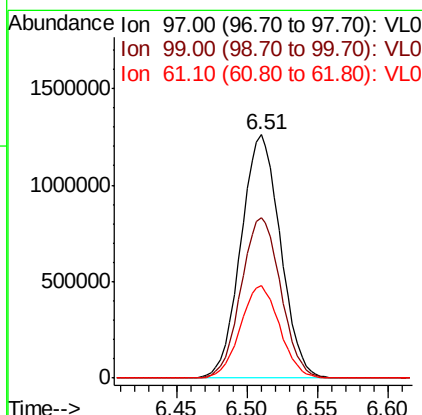
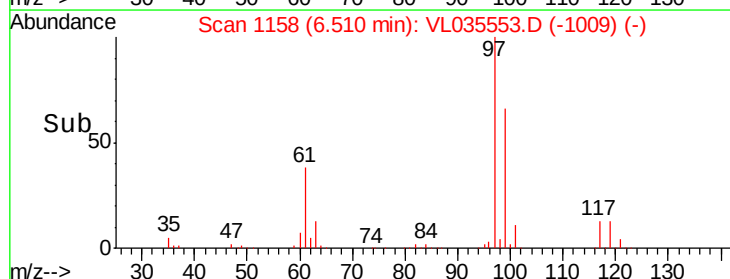
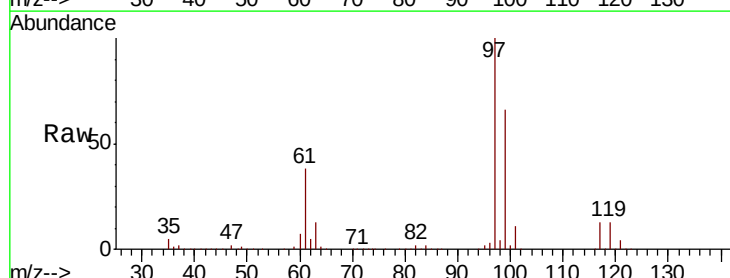
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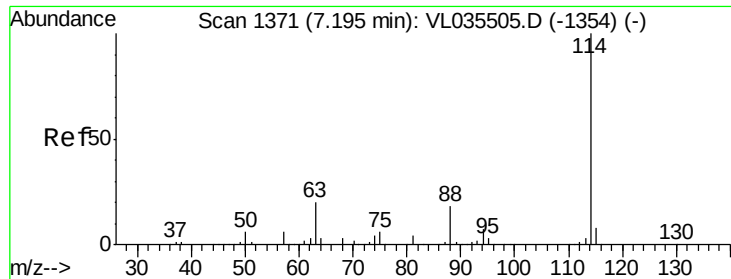
sam
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#32
 1,1,1-Trichloroethane
 Concen: 10.412 ppbv
 RT: 6.51 min Scan# 1158
 Delta R.T. -0.02 min
 Lab File: VL035553.D
 Acq: 8 Sep 2020 11:57

Tgt Ion: 97 Resp: 2473941
 Ion Ratio Lower Upper
 97 100
 99 66.4 53.3 79.9
 61 37.9 30.6 46.0





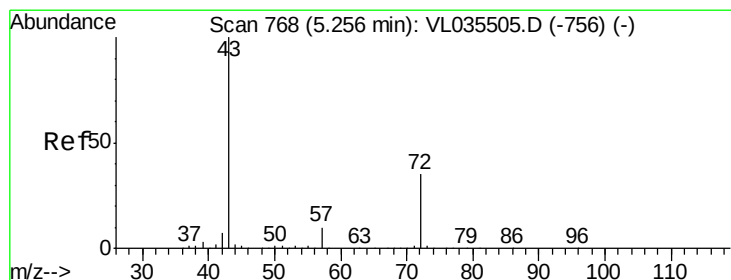
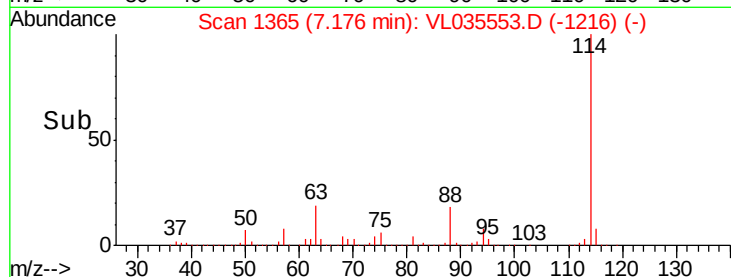
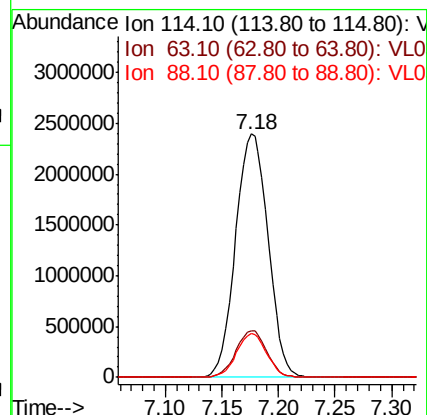
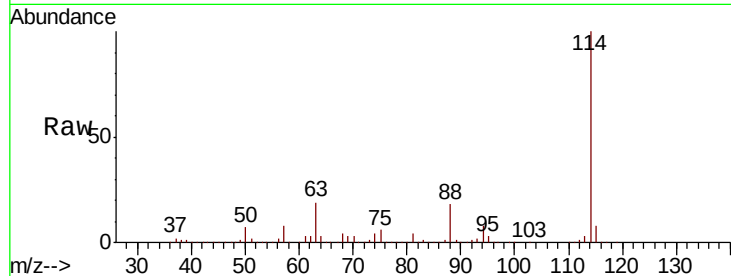
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.02 min
 Lab File: VL035553.D
 Acq: 8 Sep 2020 11:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:114 Resp: 4800934
 Ion Ratio Lower Upper
 114 100
 63 18.5 14.7 22.1
 88 16.8 13.4 20.2

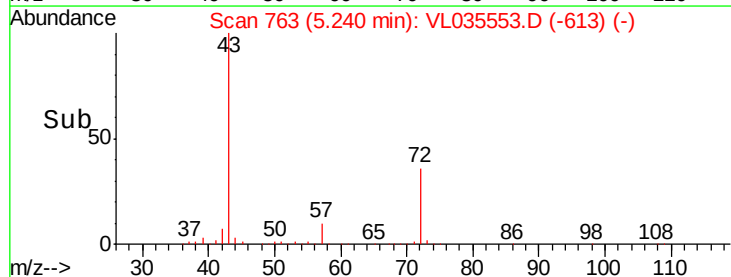
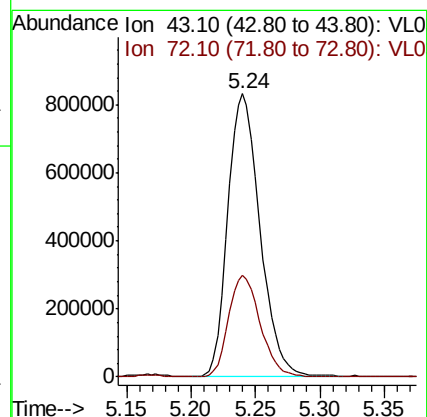
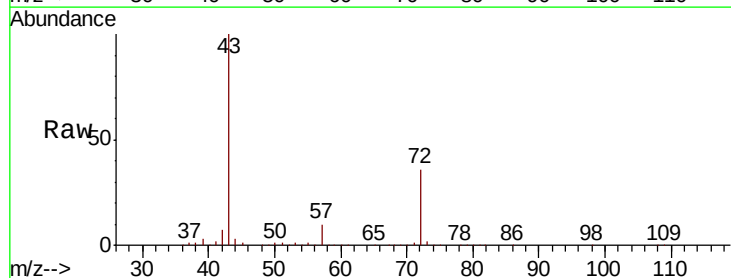
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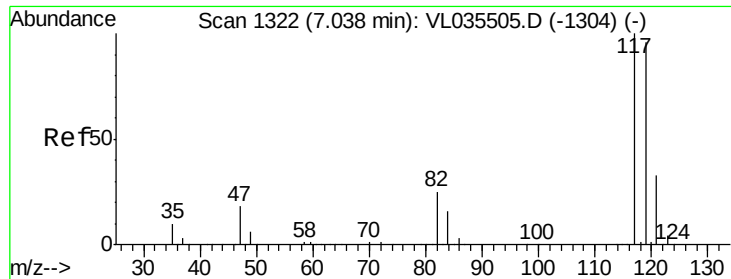
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#34
 2-Butanone
 Concen: 10.091 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. -0.02 min
 Lab File: VL035553.D
 Acq: 8 Sep 2020 11:57

Tgt Ion: 43 Resp: 1437768
 Ion Ratio Lower Upper
 43 100
 72 35.5 27.7 41.5





#35

Carbon Tetrachloride

Concen: 10.674 ppbv

RT: 7.02 min Scan# 1316

Delta R.T. -0.02 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:117 Resp: 2575620

Ion Ratio Lower Upper

117 100

119 95.5 77.2 115.8

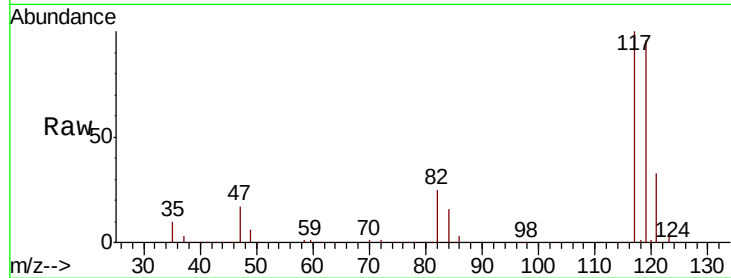
121 33.1 26.1 39.1

Manual Integrations

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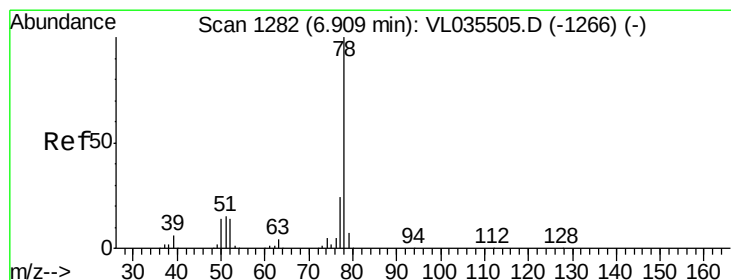
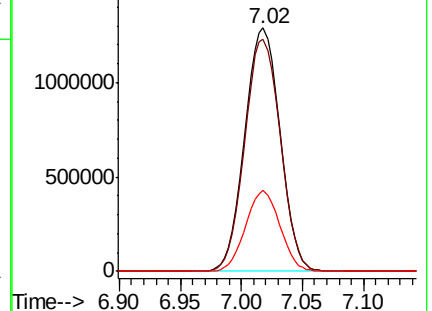
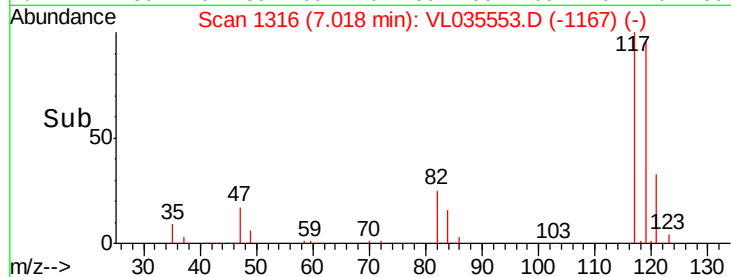
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.248 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. -0.02 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

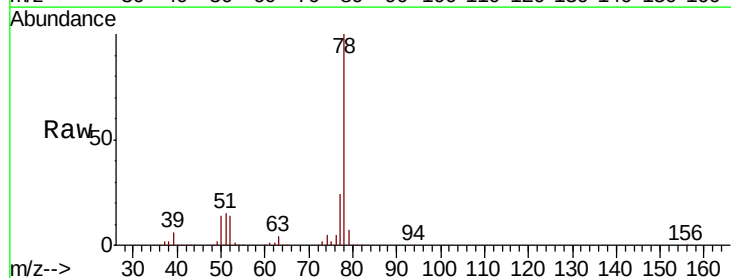
Tgt Ion: 78 Resp: 3184796

Ion Ratio Lower Upper

78 100

77 23.8 19.3 28.9

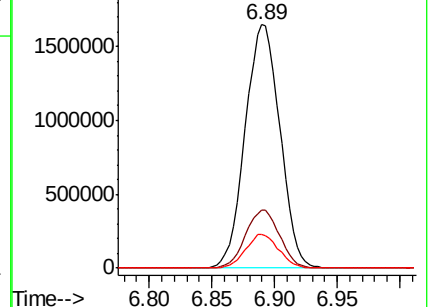
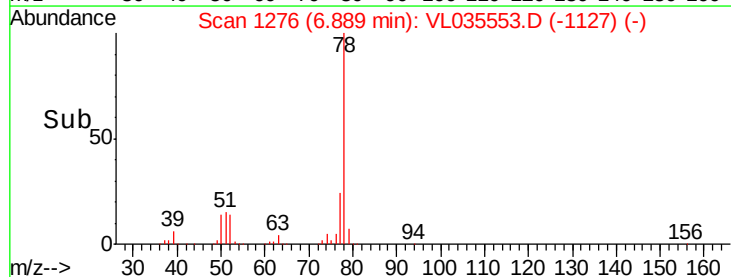
50 13.8 11.0 16.6

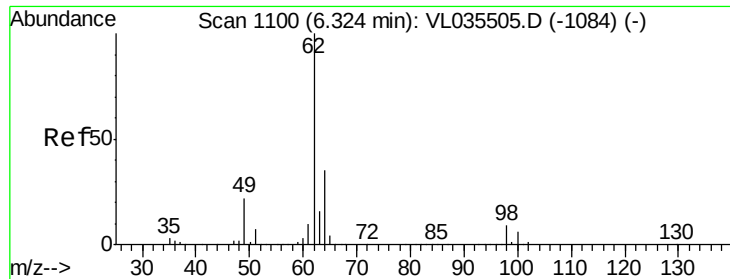


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





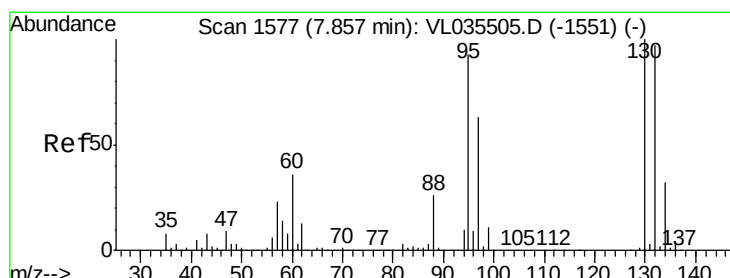
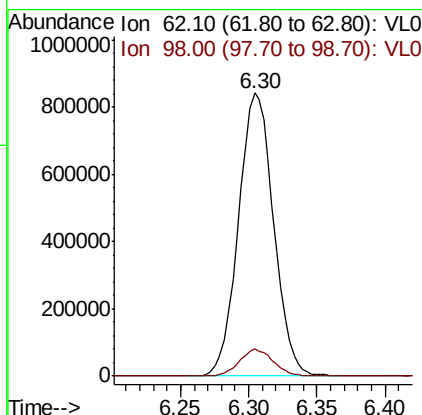
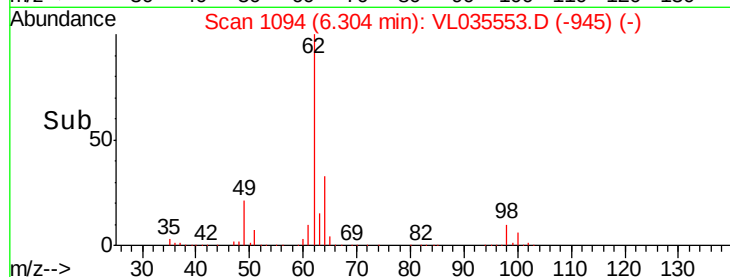
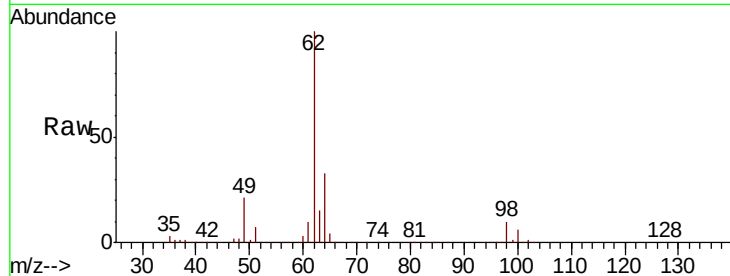
#37
 1,2-Dichloroethane
 Concen: 10.147 ppbv
 RT: 6.30 min Scan# 1094
 Delta R.T. -0.02 min
 Lab File: VL035553.D
 Acq: 8 Sep 2020 11:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 62 Resp: 1503450
 Ion Ratio Lower Upper
 62 100
 98 9.3 7.4 11.0

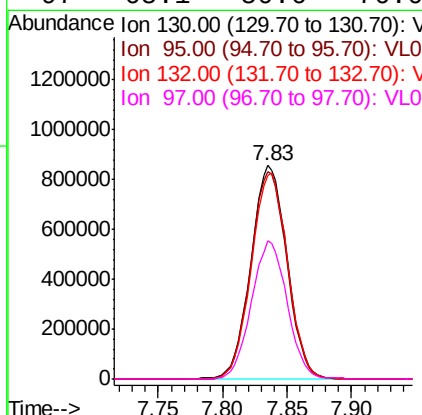
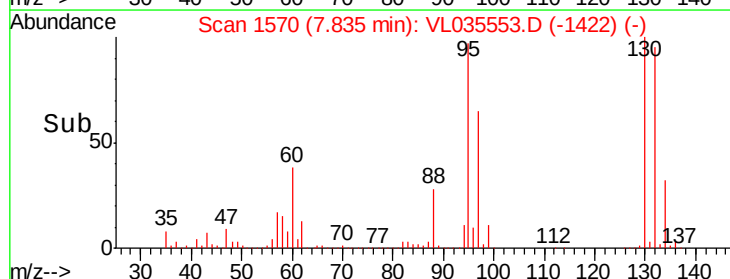
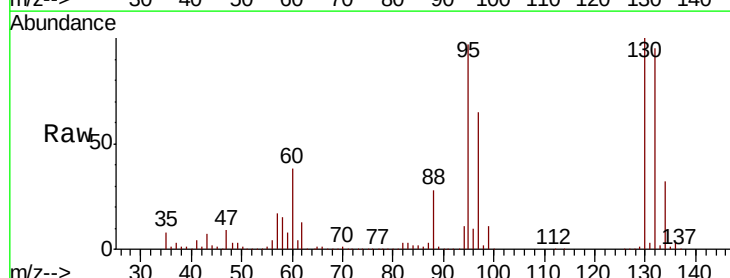
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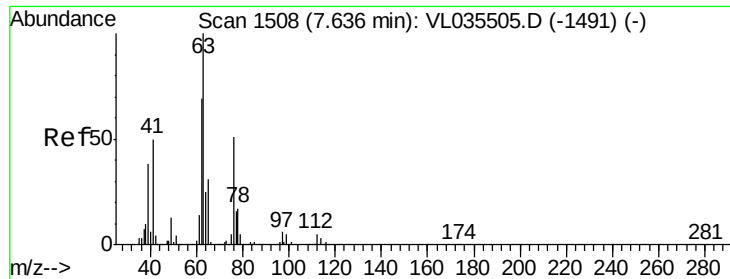
sam
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#38
 Trichloroethene
 Concen: 9.235 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. -0.02 min
 Lab File: VL035553.D
 Acq: 8 Sep 2020 11:57

Tgt Ion:130 Resp: 1667009
 Ion Ratio Lower Upper
 130 100
 95 97.4 74.6 112.0
 132 95.6 77.6 116.4
 97 65.1 50.6 76.0





#39

1,2-Dichloropropane

Concen: 10.165 ppbv

RT: 7.62 min Scan# 1502

Delta R.T. -0.02 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 63 Resp: 1067138

Ion Ratio Lower Upper

63 100

41 50.7 40.0 60.0

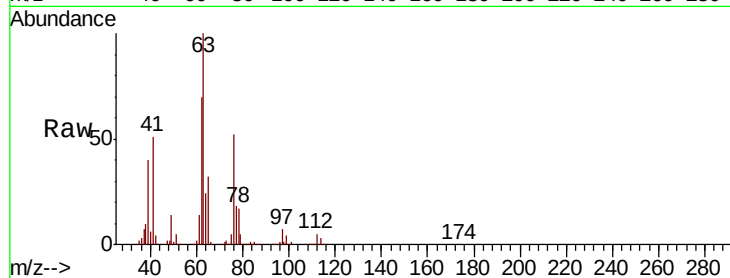
62 70.0 55.4 83.0

Manual Integrations

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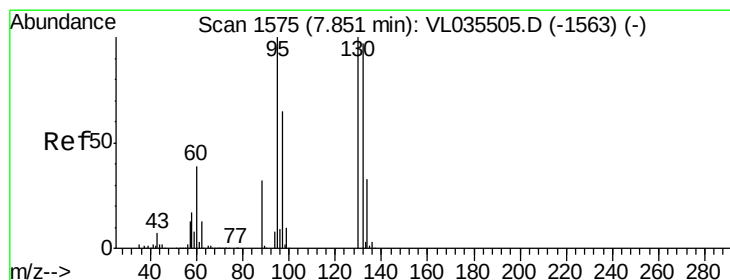
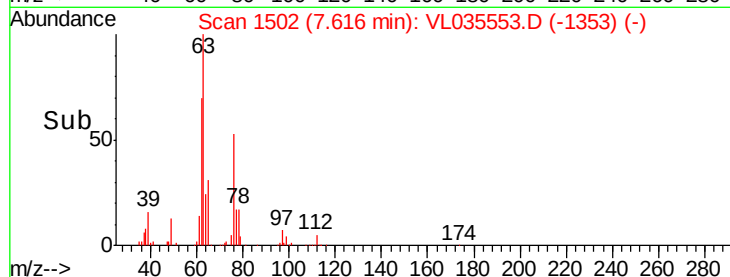
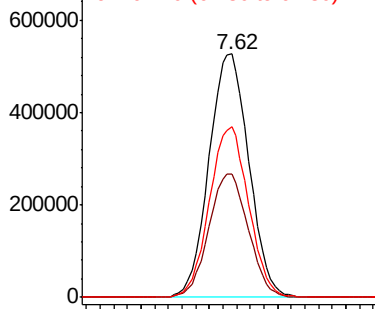
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Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 10.660 ppbv

RT: 7.83 min Scan# 1569

Delta R.T. -0.02 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

Tgt Ion: 88 Resp: 559071

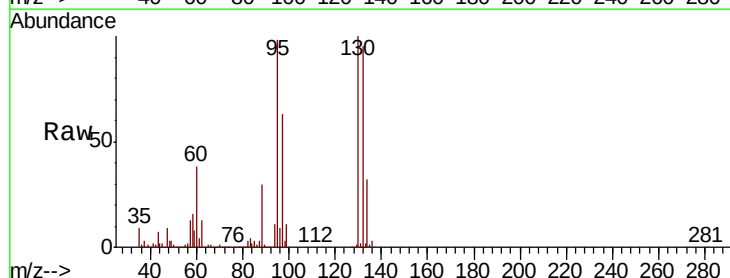
Ion Ratio Lower Upper

88 100

58 88.1 68.7 103.1

43 0.0 104.3 156.5#

57 0.0 560.7 841.1#

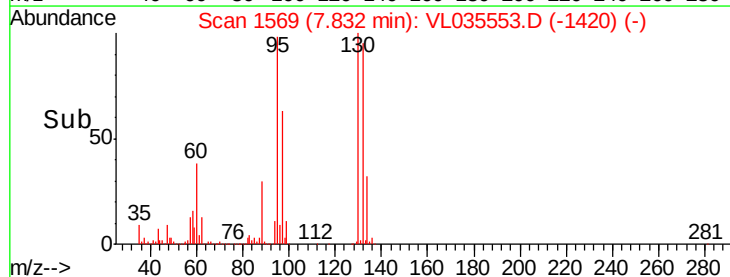
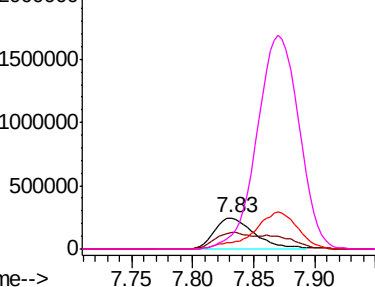


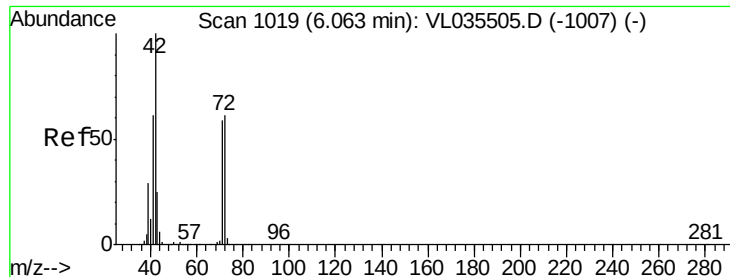
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 10.886 ppbv

RT: 6.04 min Scan# 1013

Delta R.T. -0.02 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

Instrument :

MSVOA_L

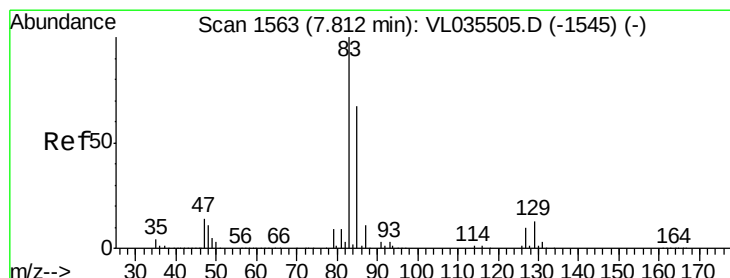
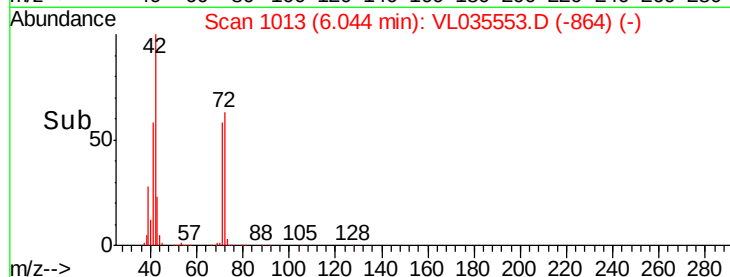
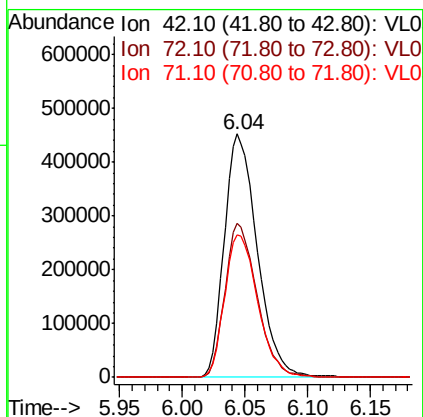
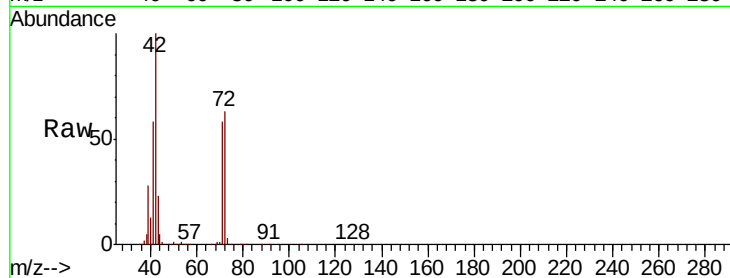
ClientSampleId :

VSTDCCC010

Tot Ion:	42	Resp:	822461
Ion	Ratio	Lower	Upper
42	100		
72	61.8	48.6	73.0
71	59.2	46.1	69.1

Manual Integrations
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#42

Bromodichloromethane

Concen: 10.960 ppbv

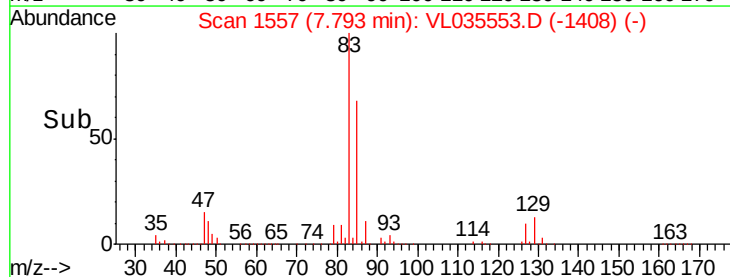
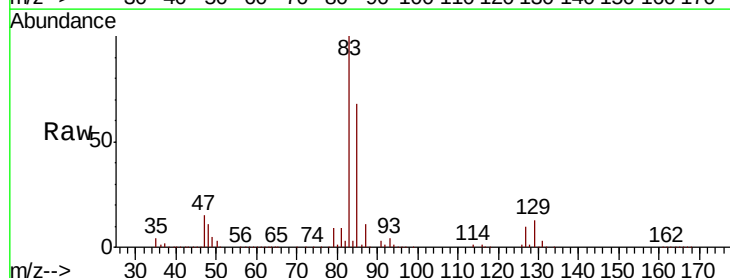
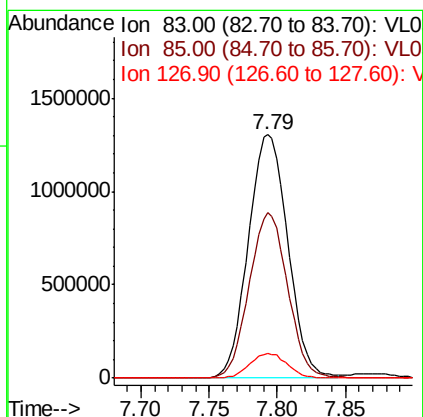
RT: 7.79 min Scan# 1557

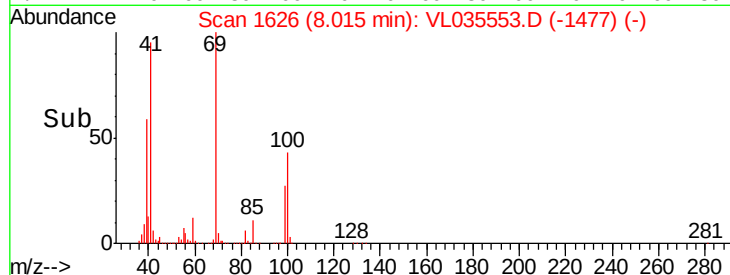
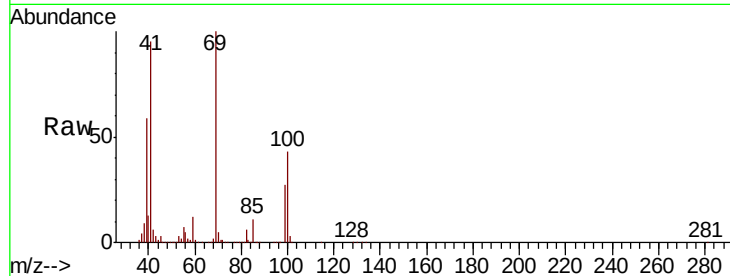
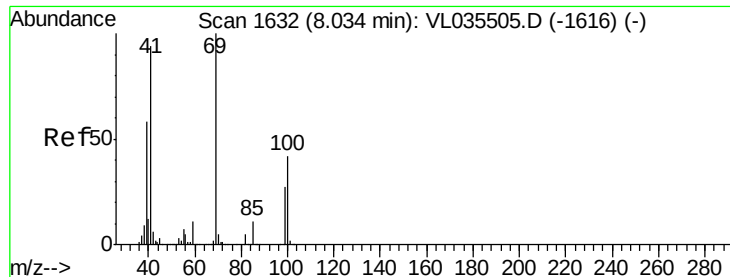
Delta R.T. -0.02 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

Tgt Ion:	83	Resp:	2626033
Ion	Ratio	Lower	Upper
83	100		
85	68.2	53.7	80.5
127	10.1	8.1	12.1





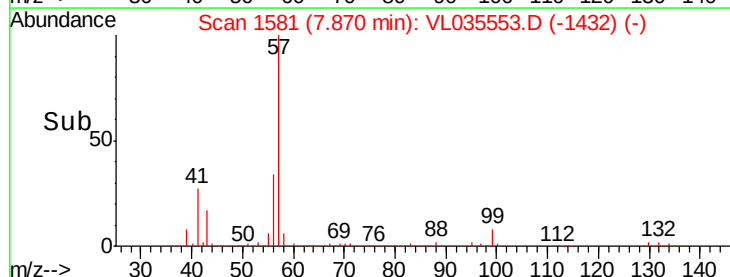
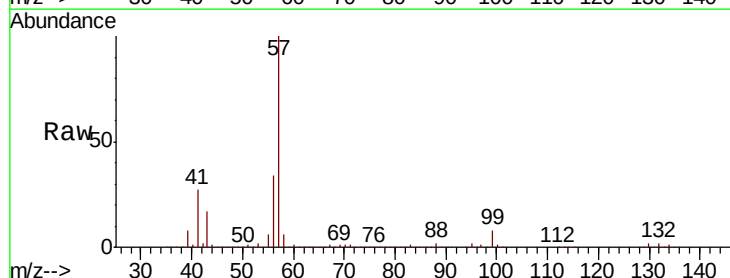
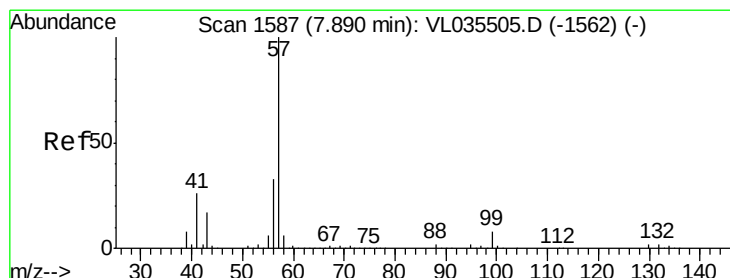
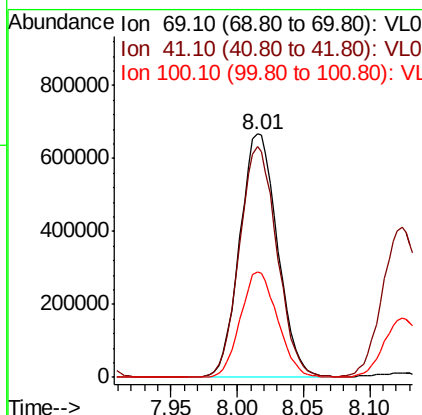
#43
Methyl Methacrylate
Concen: 10.989 ppbv
RT: 8.01 min Scan# 1626
Delta R.T. -0.02 min
Lab File: VL035553.D
Acq: 8 Sep 2020 11:57

Tot Ion: 69 Resp: 1320555
Ion Ratio Lower Upper
69 100
41 94.5 76.6 114.8
100 42.5 33.8 50.6

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

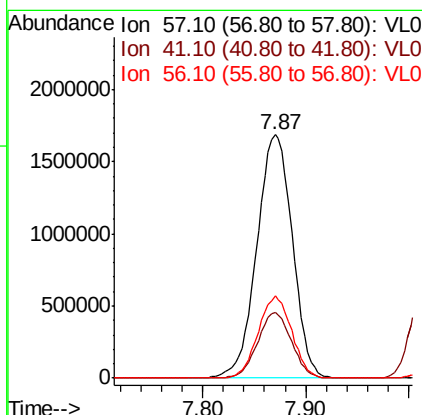
Manual Integrations
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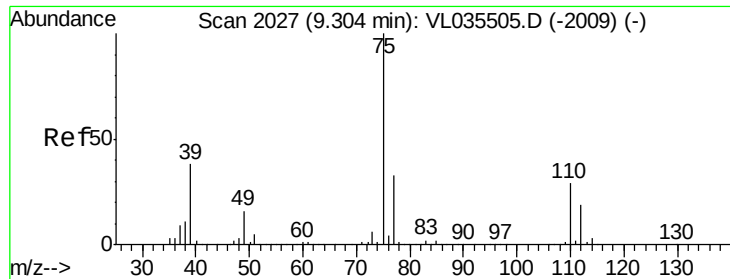
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#44
2,2,4-Trimethylpentane
Concen: 9.872 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. -0.02 min
Lab File: VL035553.D
Acq: 8 Sep 2020 11:57

Tgt Ion: 57 Resp: 4036725
Ion Ratio Lower Upper
57 100
41 25.6 20.5 30.7
56 31.9 25.3 37.9





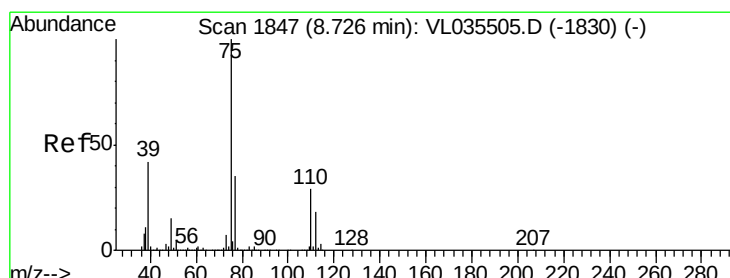
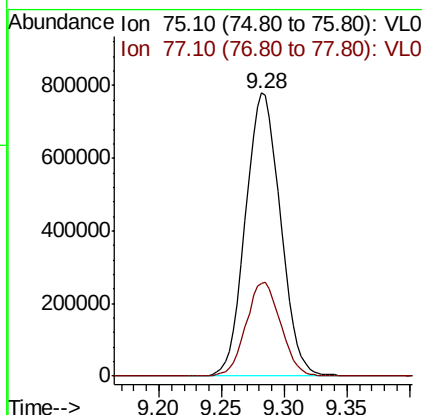
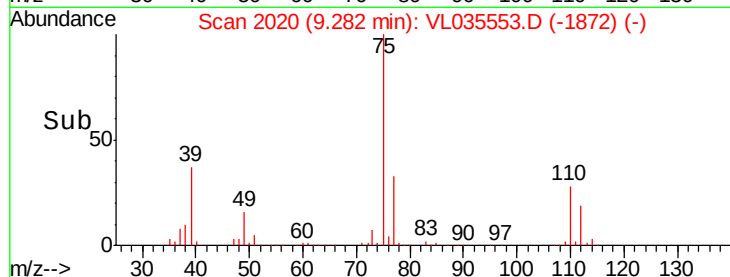
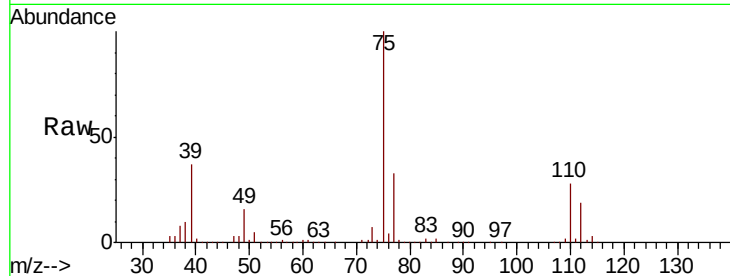
#45
t-1,3-Dichloropropene
Concen: 12.464 ppbv
RT: 9.28 min Scan# 2020
Delta R.T. -0.02 min
Lab File: VL035553.D
Acq: 8 Sep 2020 11:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 75 Resp: 1517276
Ion Ratio Lower Upper
75 100
77 32.9 26.5 39.7

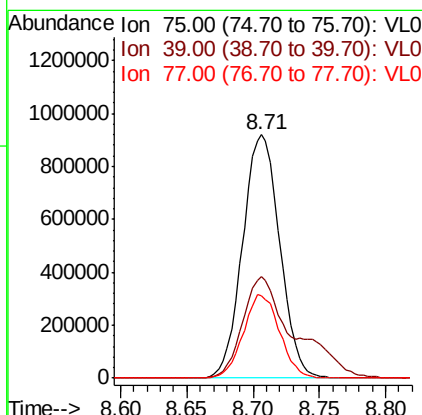
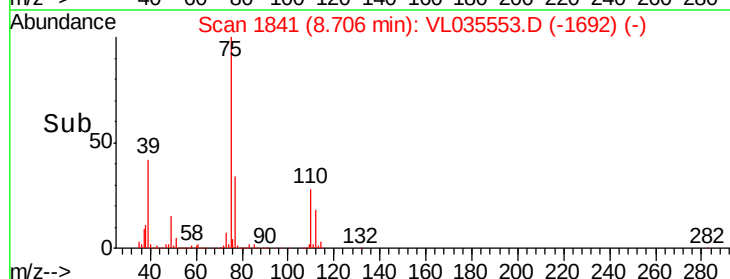
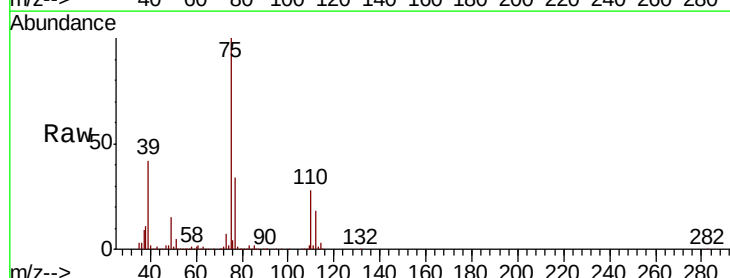
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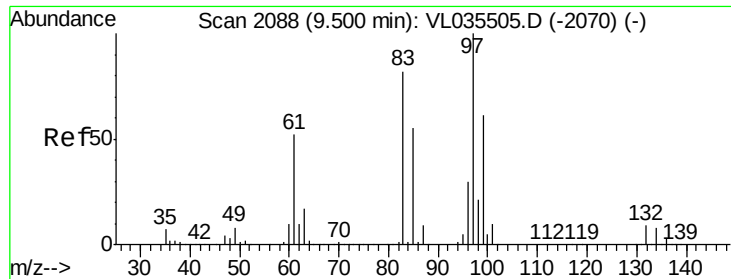
sam
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#46
cis-1,3-Dichloropropene
Concen: 11.856 ppbv
RT: 8.71 min Scan# 1841
Delta R.T. -0.02 min
Lab File: VL035553.D
Acq: 8 Sep 2020 11:57

Tgt Ion: 75 Resp: 1791972
Ion Ratio Lower Upper
75 100
39 41.8 33.7 50.5
77 33.8 27.8 41.6





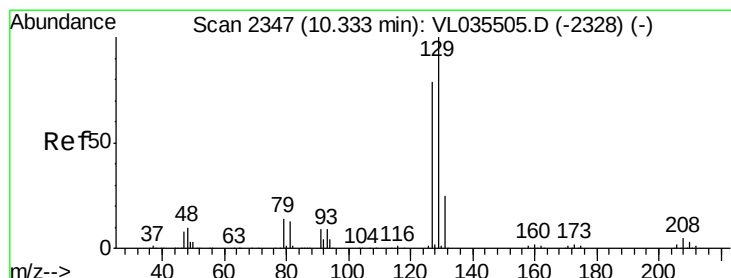
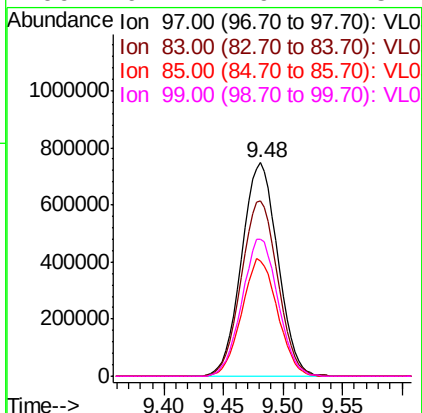
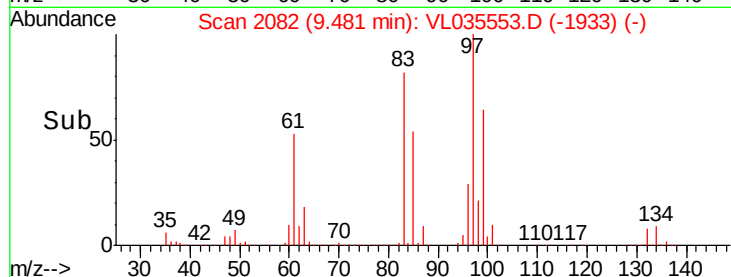
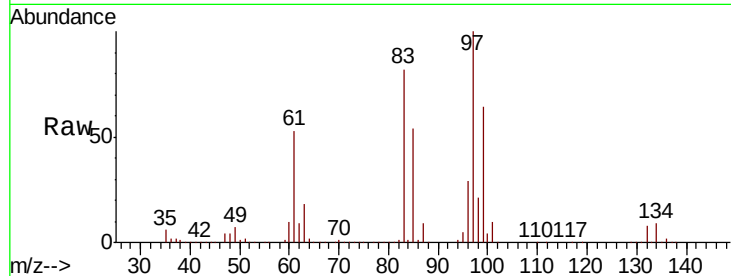
#47
 1,1,2-Trichloroethane
 Concen: 10.202 ppbv
 RT: 9.48 min Scan# 2082
 Delta R.T. -0.02 min
 Lab File: VL035553.D
 Acq: 8 Sep 2020 11:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	97	Resp	1580342
Ion	Ratio	Lower	Upper
97	100		
83	82.3	65.4	98.2
85	53.8	43.7	65.5
99	64.1	49.1	73.7

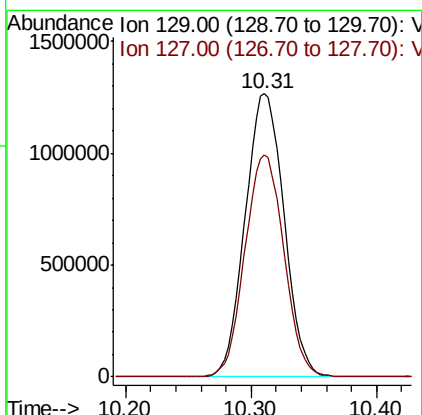
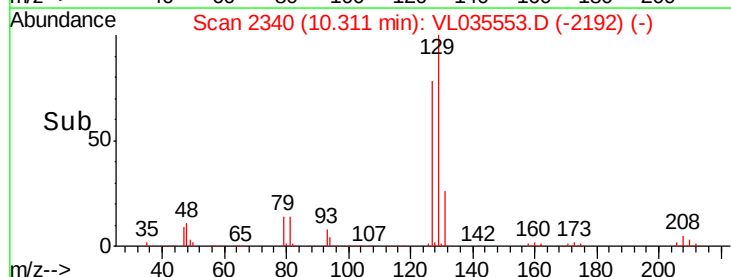
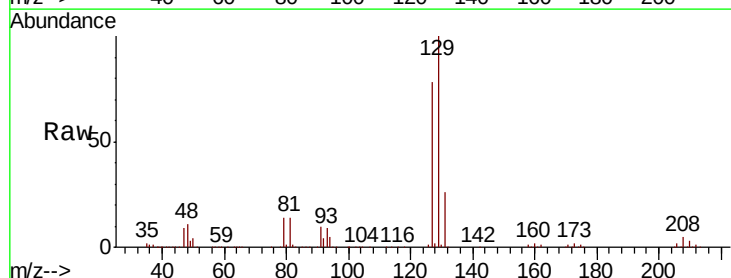
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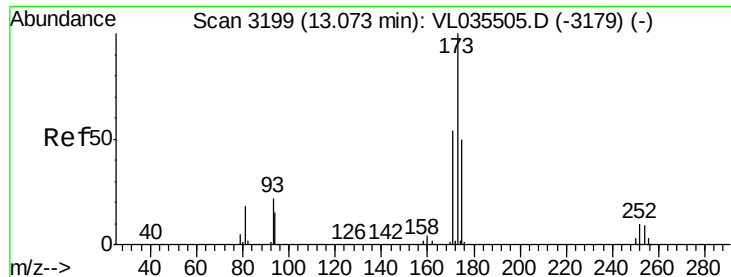
sam
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#48
 Dibromochloromethane
 Concen: 11.239 ppbv
 RT: 10.31 min Scan# 2340
 Delta R.T. -0.02 min
 Lab File: VL035553.D
 Acq: 8 Sep 2020 11:57

Tgt Ion	129	Resp	2740220
Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.3	117.8





#49

Bromoform

Concen: 11.650 ppbv

RT: 13.05 min Scan# 3192

Delta R.T. -0.02 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:173 Resp: 2574135

Ion Ratio Lower Upper

173 100

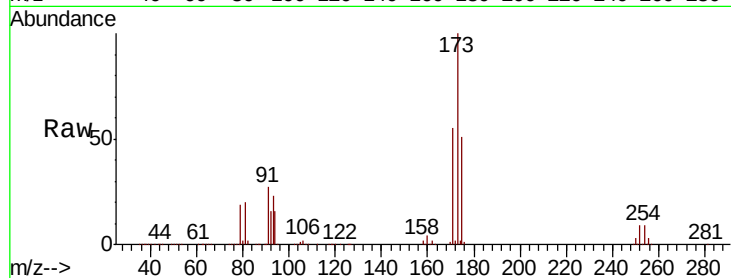
175 50.2 39.8 59.8

171 53.6 42.4 63.6

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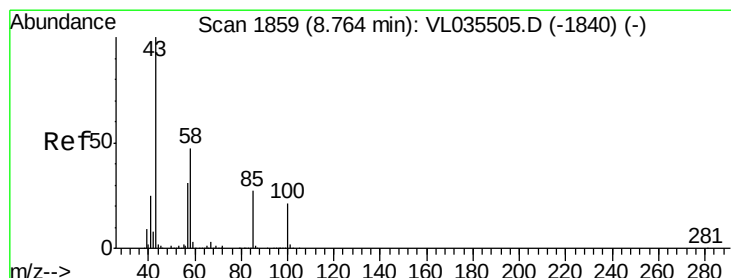
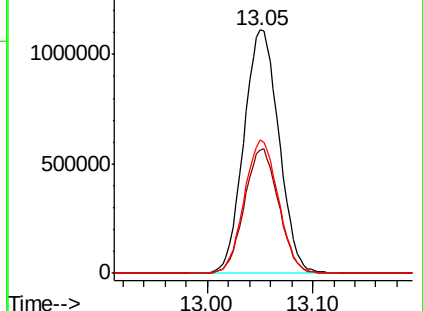
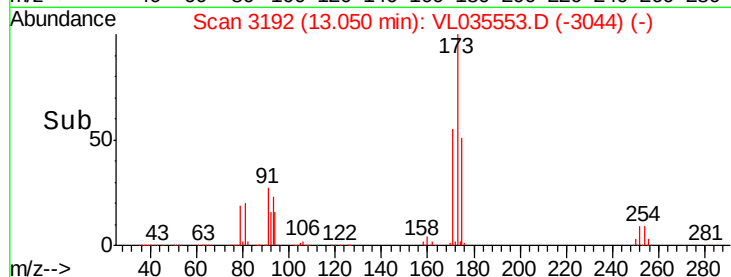
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.420 ppbv

RT: 8.74 min Scan# 1852

Delta R.T. -0.02 min

Lab File: VL035553.D

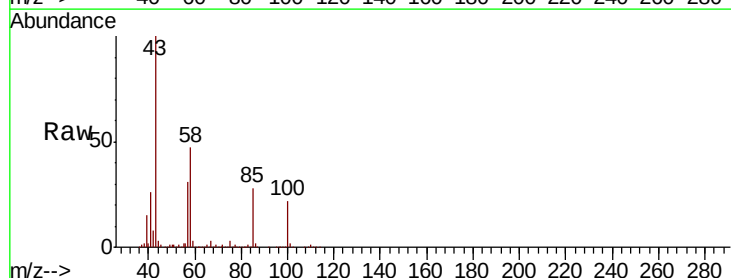
Acq: 8 Sep 2020 11:57

Tgt Ion: 43 Resp: 2149748

Ion Ratio Lower Upper

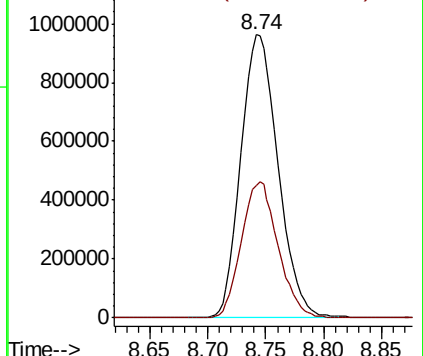
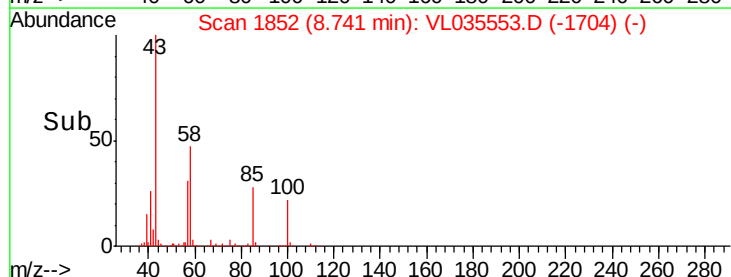
43 100

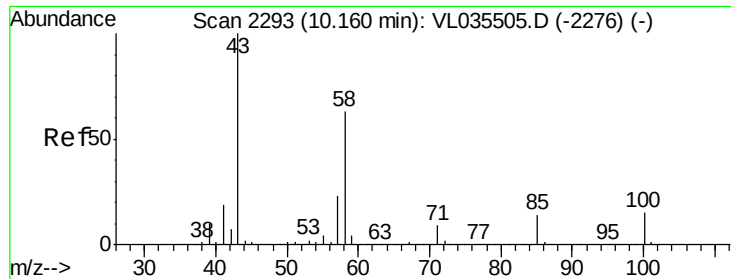
58 47.7 37.4 56.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





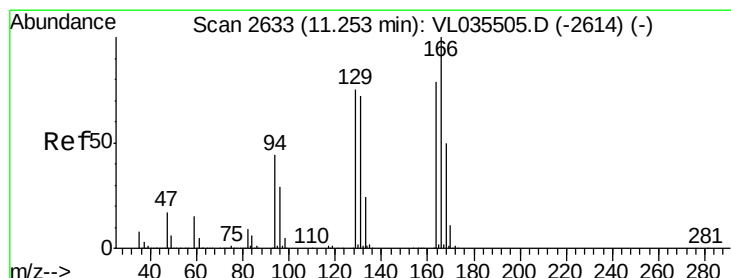
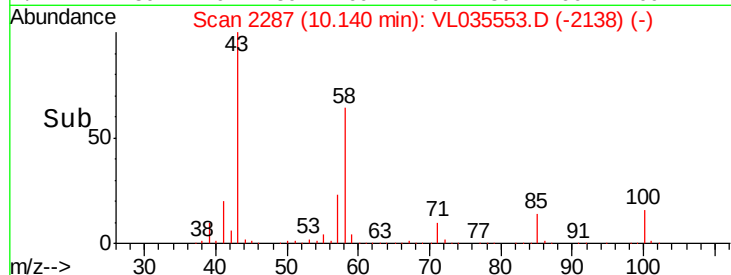
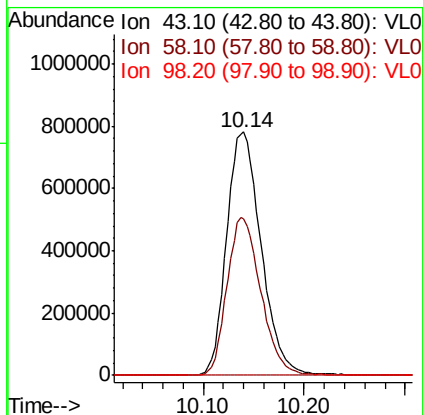
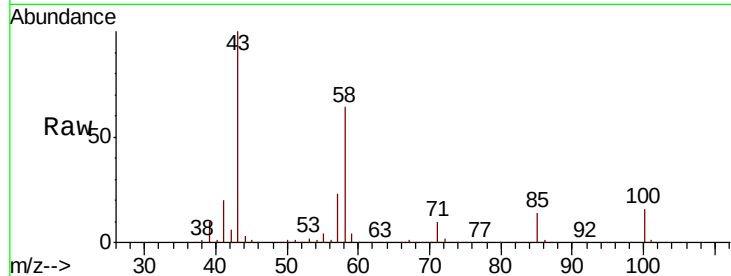
#51
2-Hexanone
Concen: 10.997 ppbv
RT: 10.14 min Scan# 2287
Delta R.T. -0.02 min
Lab File: VL035553.D
Acq: 8 Sep 2020 11:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1861107
Ion Ratio Lower Upper
43 100
58 63.8 50.2 75.4
98 0.4 0.4 0.6

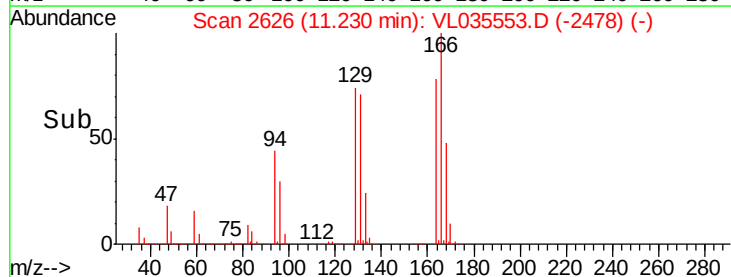
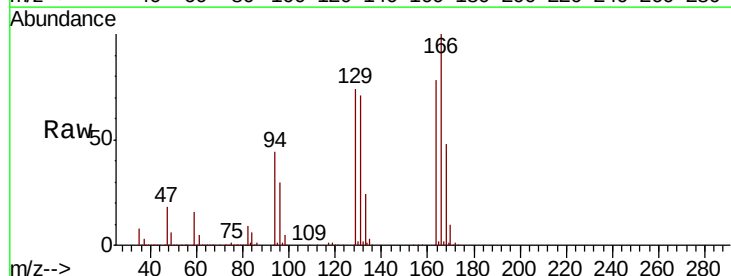
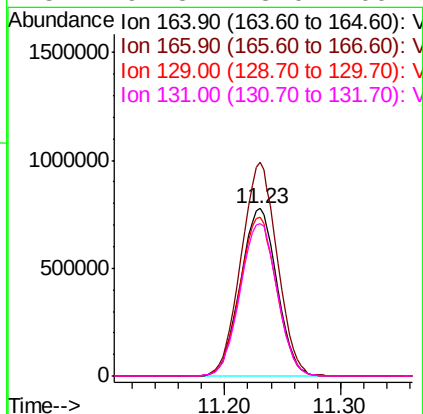
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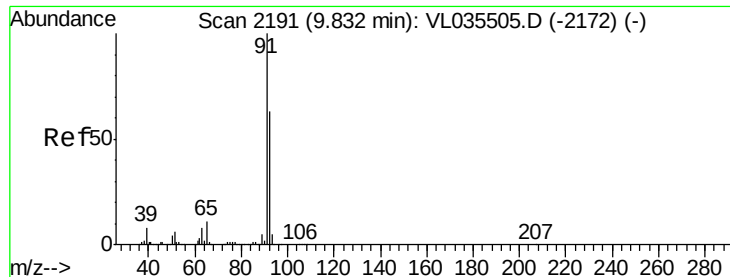
sam
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#52
Tetrachloroethene
Concen: 9.391 ppbv
RT: 11.23 min Scan# 2626
Delta R.T. -0.02 min
Lab File: VL035553.D
Acq: 8 Sep 2020 11:57

Tgt Ion: 164 Resp: 1704965
Ion Ratio Lower Upper
164 100
166 127.7 100.9 151.3
129 94.9 75.3 112.9
131 91.3 73.0 109.4





#53

Toluene

Concen: 10.367 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. -0.02 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 4051440

Ion Ratio Lower Upper

91 100

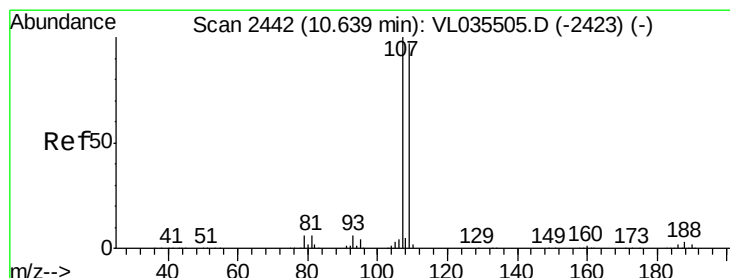
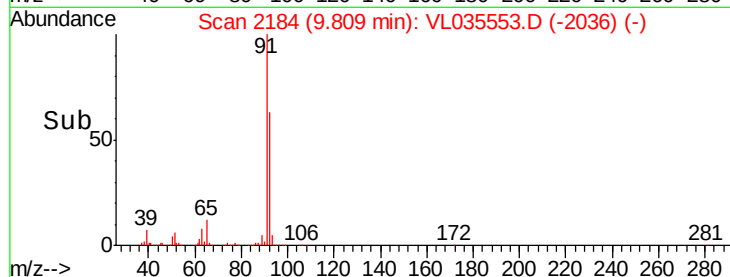
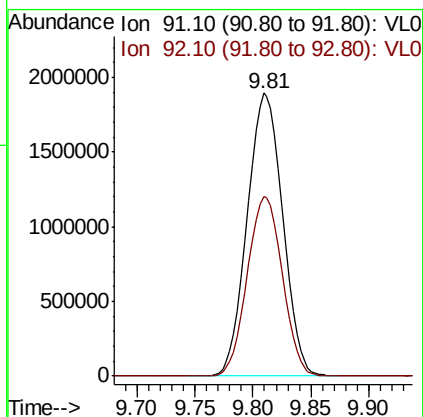
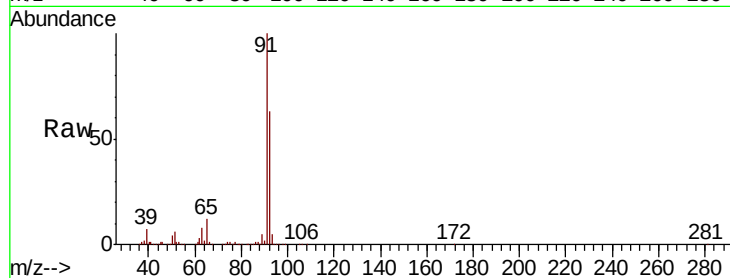
92 62.9 49.8 74.8

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#54

1,2-Dibromoethane

Concen: 10.309 ppbv

RT: 10.62 min Scan# 2435

Delta R.T. -0.02 min

Lab File: VL035553.D

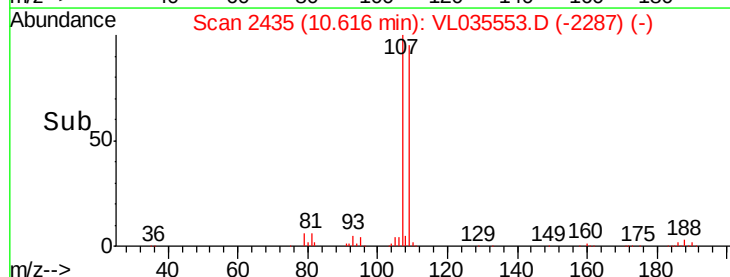
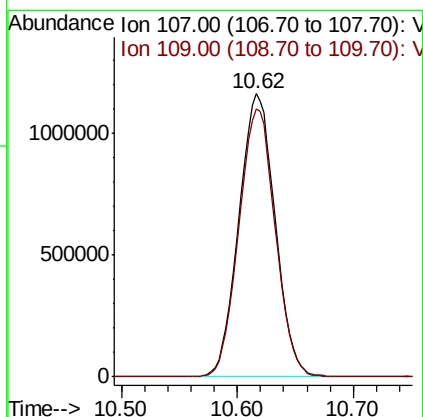
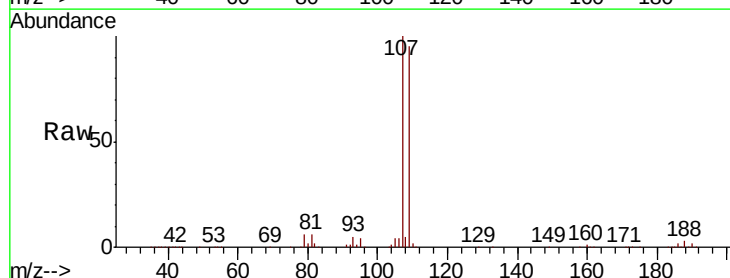
Acq: 8 Sep 2020 11:57

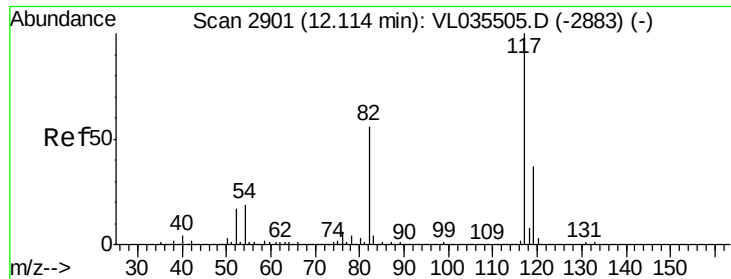
Tgt Ion: 107 Resp: 2523376

Ion Ratio Lower Upper

107 100

109 94.7 77.8 116.8





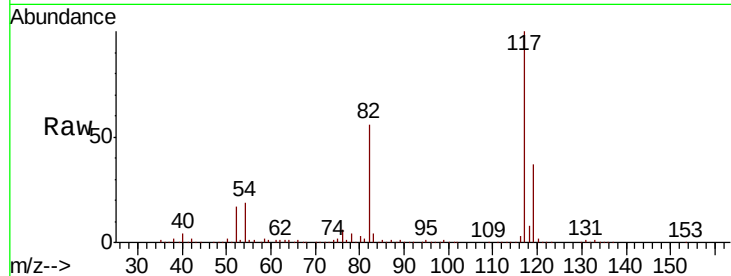
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.10 min Scan# 2895
Delta R.T. -0.02 min
Lab File: VL035553.D
Acq: 8 Sep 2020 11:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

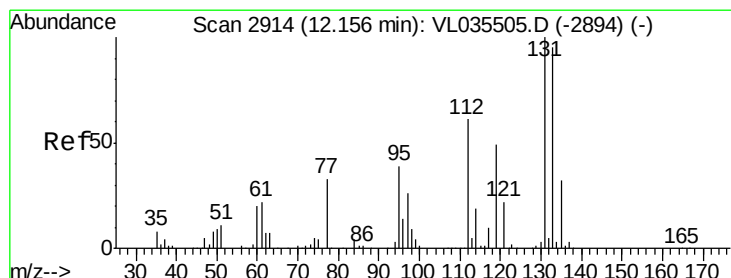
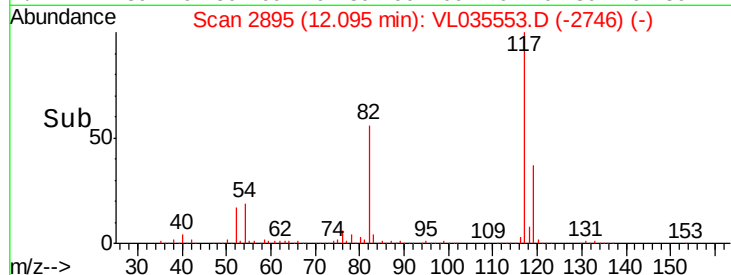
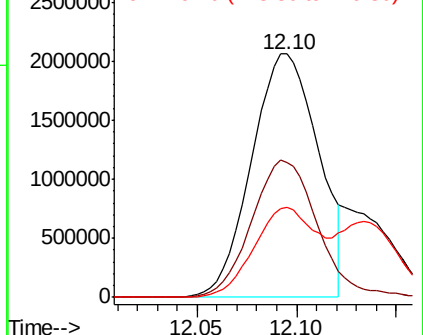
Tot Ion:117 Resp: 4802255
Ion Ratio Lower Upper
117 100
82 56.1 41.6 62.4
119 34.3 29.3 43.9

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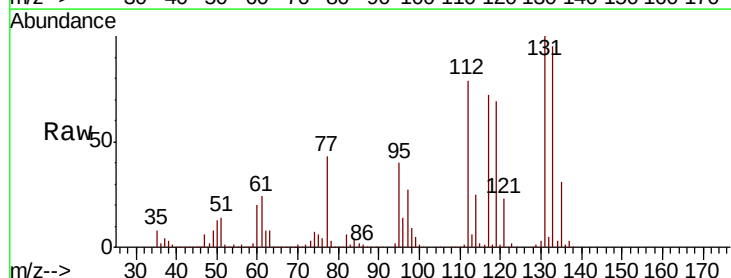


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

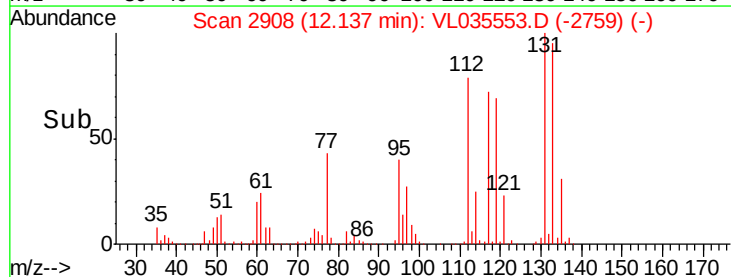
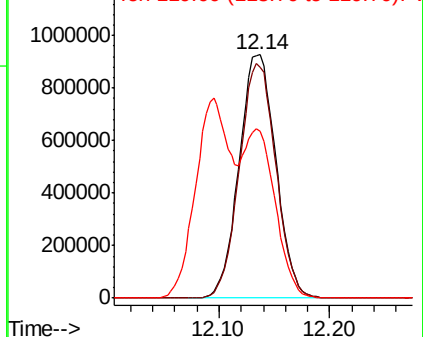


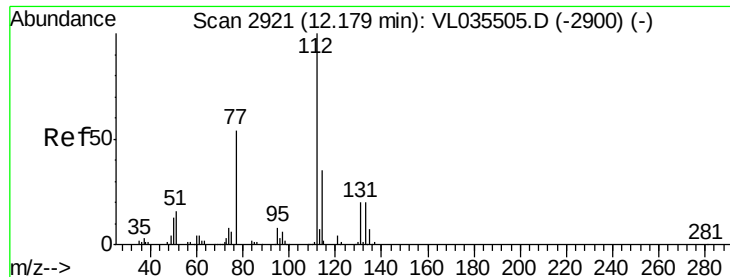
#56
1,1,1,2-Tetrachloroethane
Concen: 10.959 ppbv
RT: 12.14 min Scan# 2908
Delta R.T. -0.02 min
Lab File: VL035553.D
Acq: 8 Sep 2020 11:57

Tgt Ion:131 Resp: 2141510
Ion Ratio Lower Upper
131 100
133 95.7 76.6 115.0
119 55.3 51.6 77.4



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





#57

Chlorobenzene

Concen: 9.820 ppbv

RT: 12.16 min Scan# 2914

Delta R.T. -0.02 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:112 Resp: 3470689

Ion Ratio Lower Upper

112 100

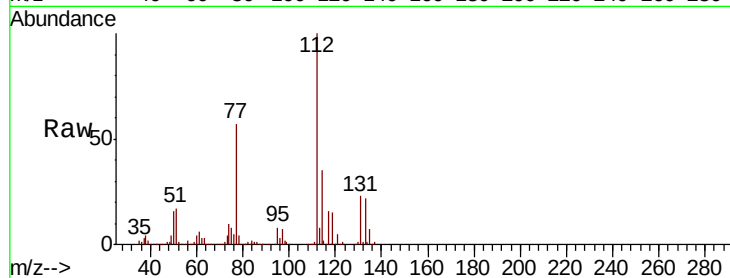
77 56.4 44.2 66.4

114 35.1 31.6 38.6

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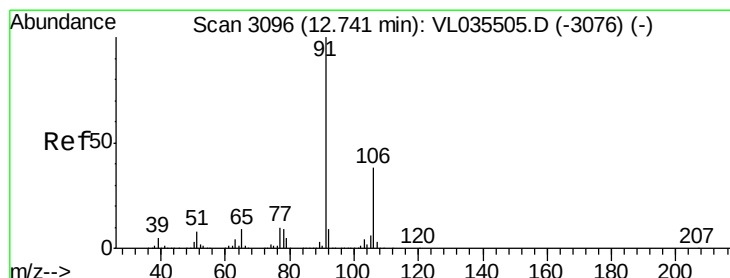
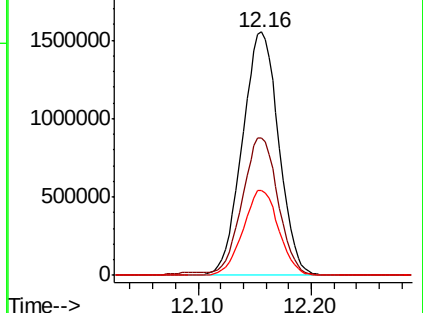
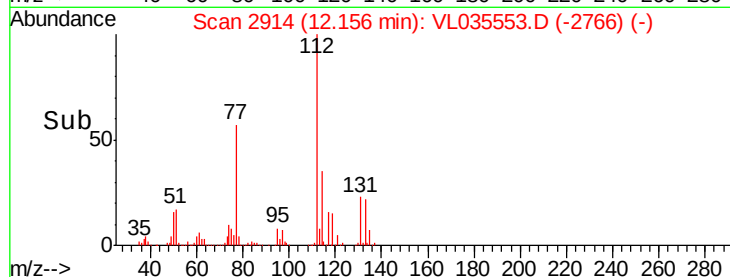
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.645 ppbv

RT: 12.72 min Scan# 3089

Delta R.T. -0.02 min

Lab File: VL035553.D

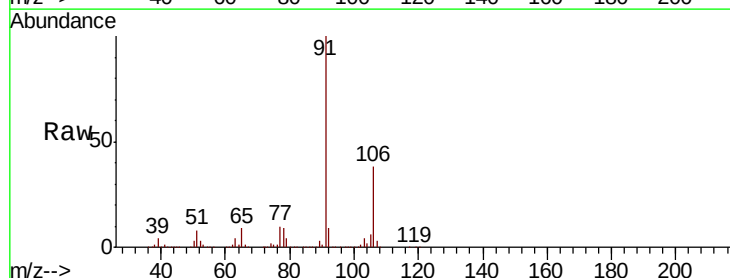
Acq: 8 Sep 2020 11:57

Tgt Ion: 91 Resp: 5271564

Ion Ratio Lower Upper

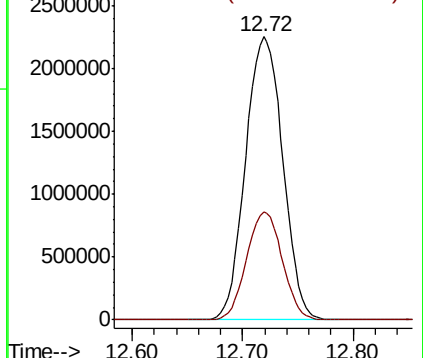
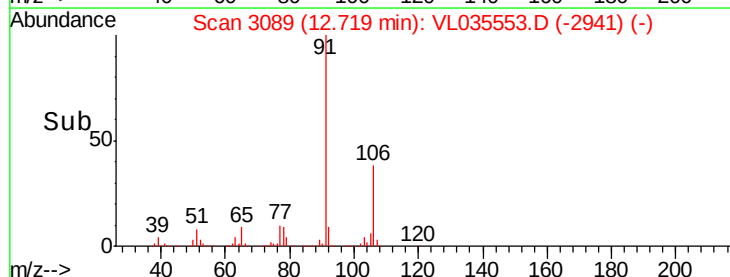
91 100

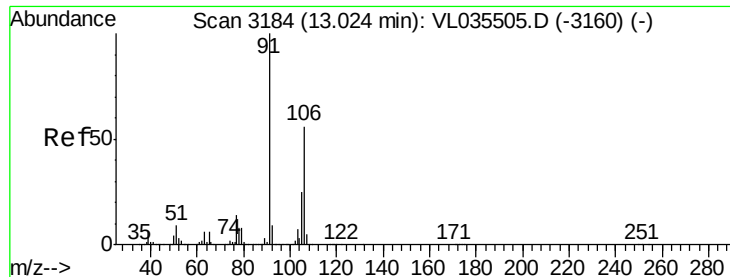
106 38.1 30.3 45.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





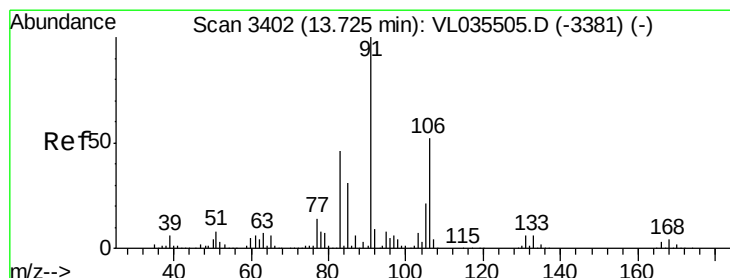
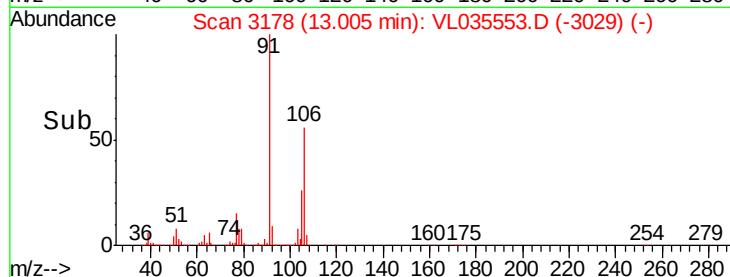
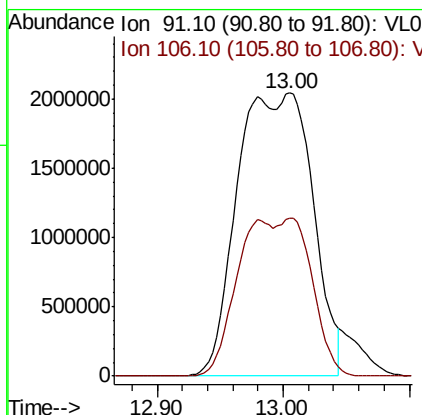
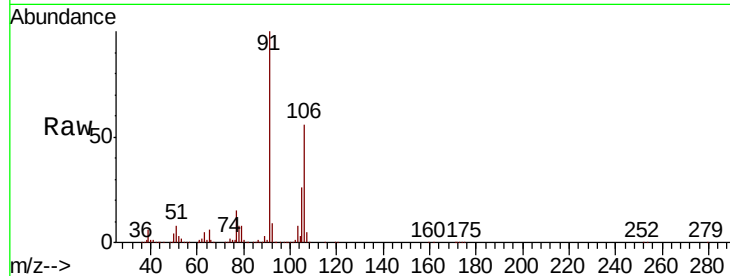
#59
m/p-Xylene
Concen: 20.476 ppbv m
RT: 13.00 min Scan# 3178
Delta R.T. -0.02 min
Lab File: VL035553.D
Acq: 8 Sep 2020 11:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 8472844
Ion Ratio Lower Upper
91 100
106 54.1 43.4 65.2

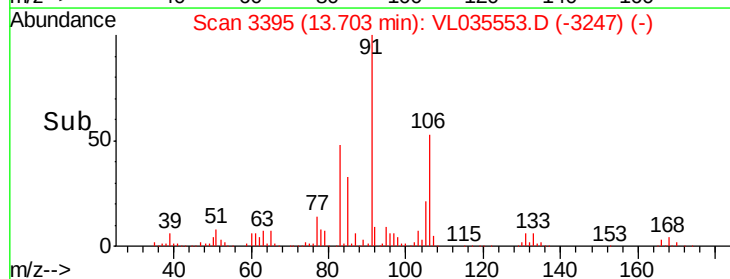
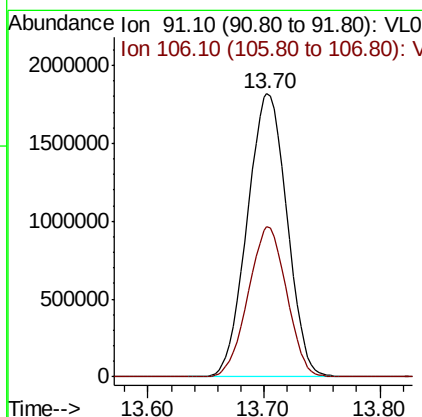
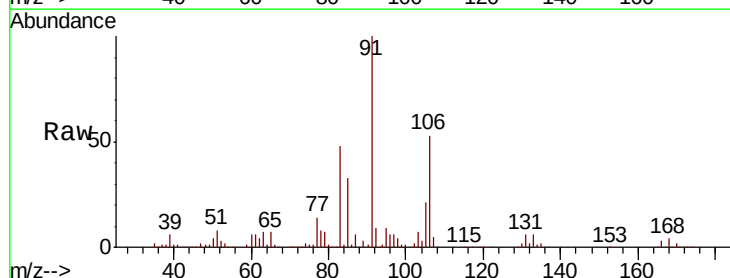
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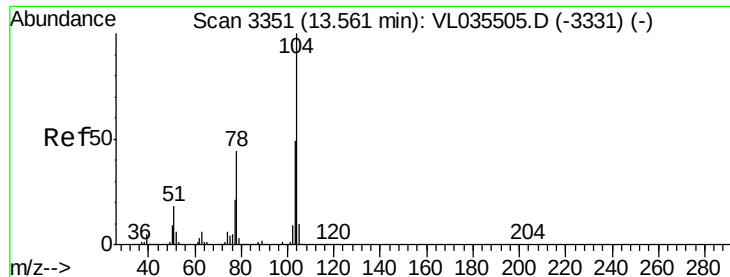
sam
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#60
o-Xylene
Concen: 10.378 ppbv
RT: 13.70 min Scan# 3395
Delta R.T. -0.02 min
Lab File: VL035553.D
Acq: 8 Sep 2020 11:57

Tgt Ion: 91 Resp: 4325159
Ion Ratio Lower Upper
91 100
106 51.5 25.8 77.4





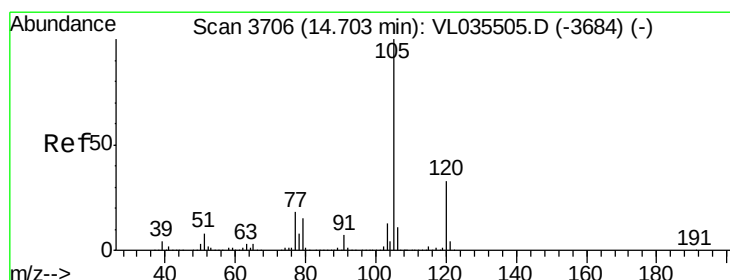
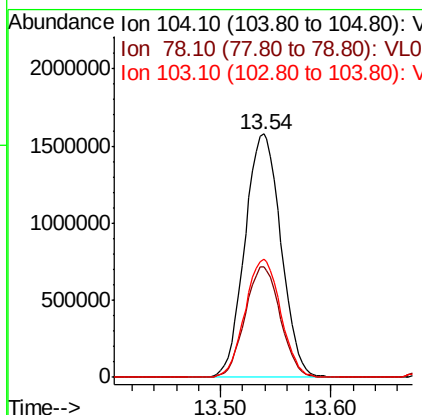
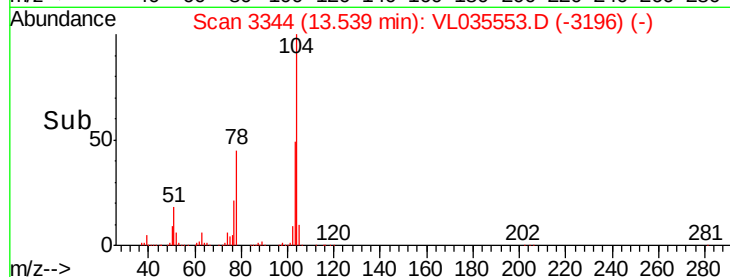
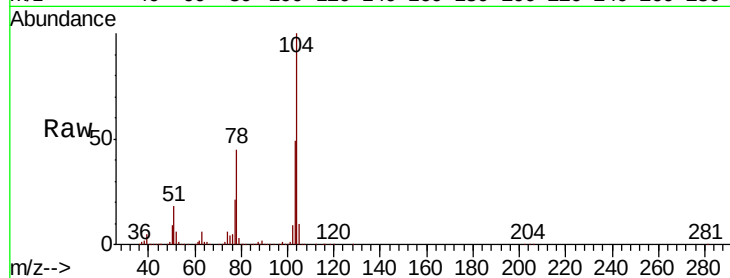
#61
Stvrene
Concen: 11.216 ppbv
RT: 13.54 min Scan# 3344
Delta R.T. -0.02 min
Lab File: VL035553.D
Acq: 8 Sep 2020 11:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:104 Resp: 3575014
Ion Ratio Lower Upper
104 100
78 44.5 34.8 52.2
103 47.9 38.2 57.4

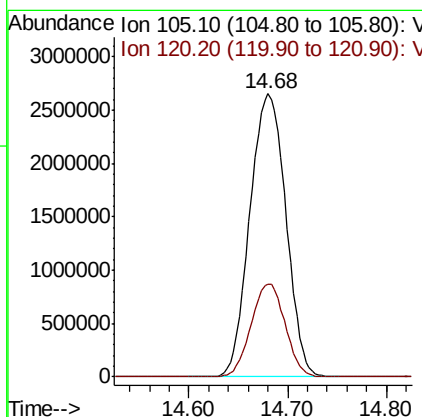
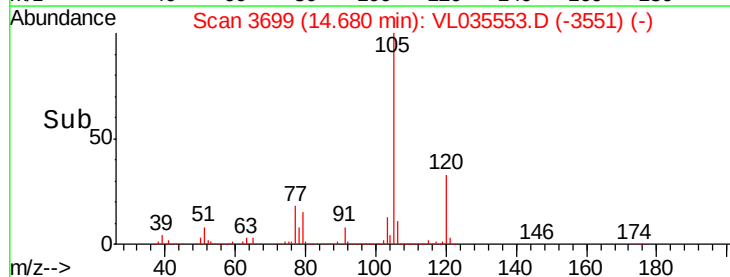
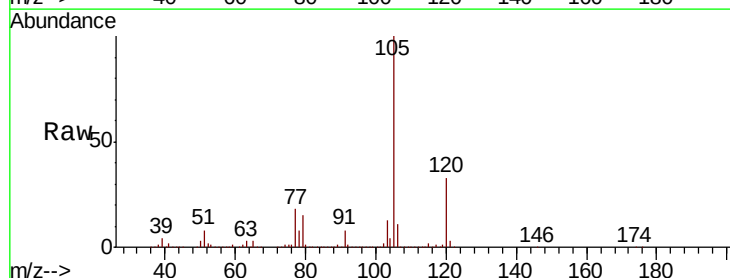
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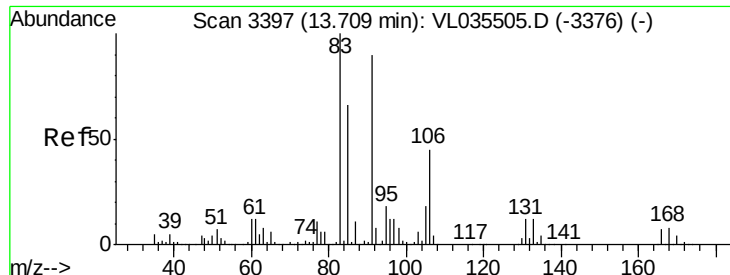
sam
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#62
Isopropylbenzene
Concen: 9.994 ppbv
RT: 14.68 min Scan# 3699
Delta R.T. -0.02 min
Lab File: VL035553.D
Acq: 8 Sep 2020 11:57

Tgt Ion:105 Resp: 6690677
Ion Ratio Lower Upper
105 100
120 31.1 25.0 37.4





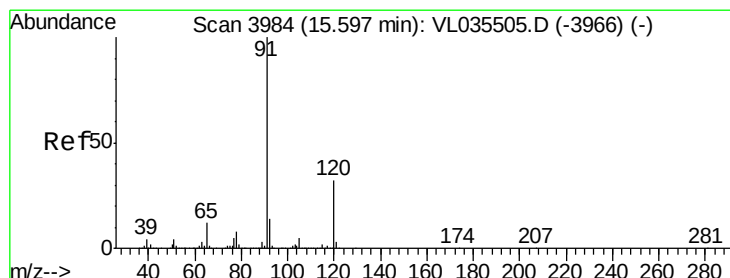
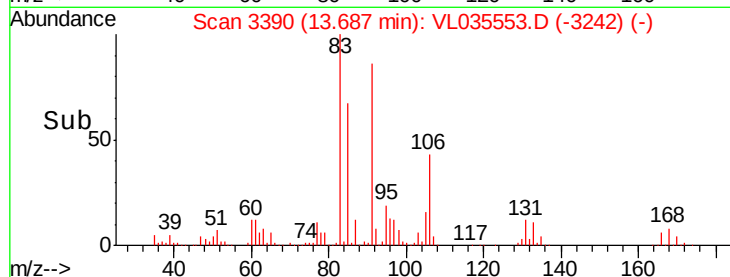
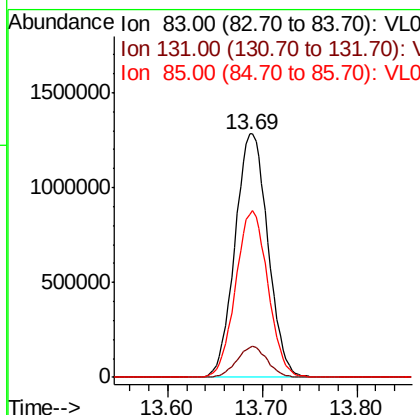
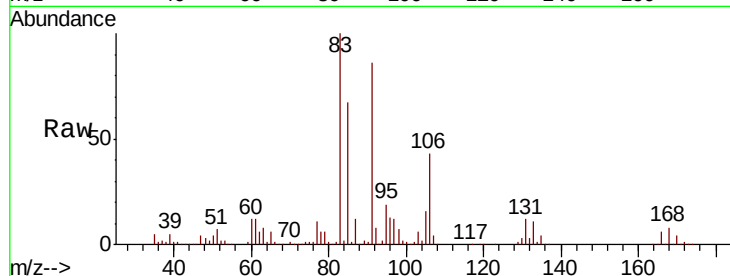
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.611 ppbv
 RT: 13.69 min Scan# 3390
 Delta R.T. -0.02 min
 Lab File: VL035553.D
 Acq: 8 Sep 2020 11:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 83 Resp: 3105583
 Ion Ratio Lower Upper
 83 100
 131 11.9 6.0 18.0
 85 67.3 33.4 100.2

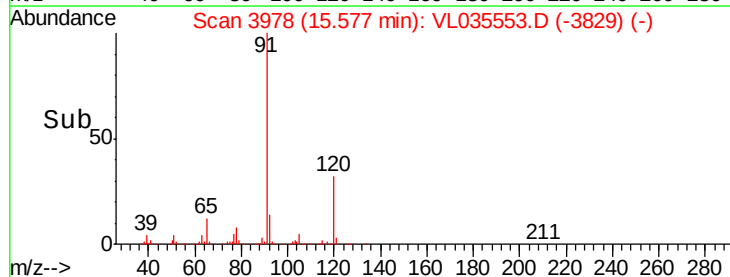
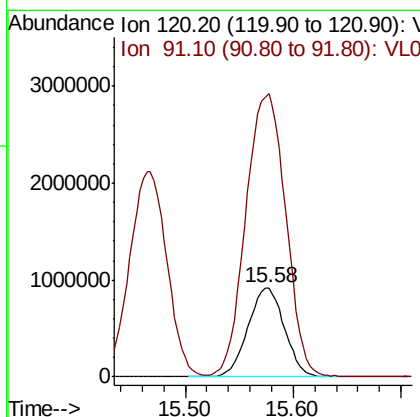
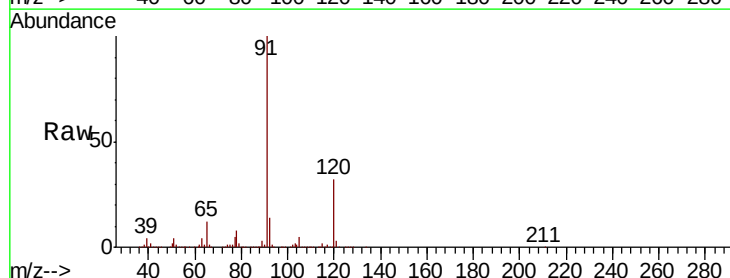
Manual Integrations
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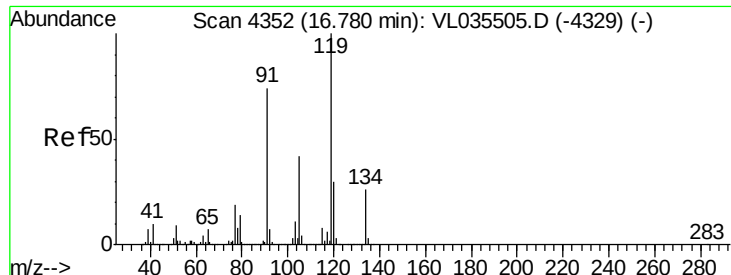
sam
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#64
 n-propylbenzene
 Concen: 10.537 ppbv
 RT: 15.58 min Scan# 3978
 Delta R.T. -0.02 min
 Lab File: VL035553.D
 Acq: 8 Sep 2020 11:57

Tgt Ion: 120 Resp: 2152783
 Ion Ratio Lower Upper
 120 100
 91 350.7 279.4 419.0





#65

tert-Butylbenzene

Concen: 10.178 ppbv

RT: 16.76 min Scan# 4346

Delta R.T. -0.02 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:119 Resp: 6334186

Ion Ratio Lower Upper

119 100

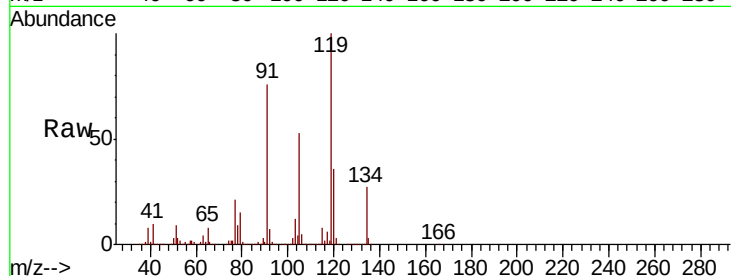
91 74.2 58.6 87.8

134 23.7 18.9 28.3

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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

3000000

2500000

2000000

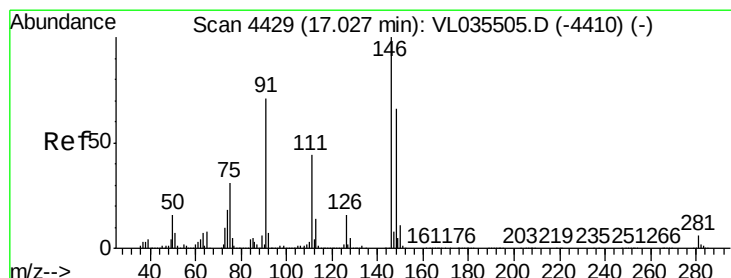
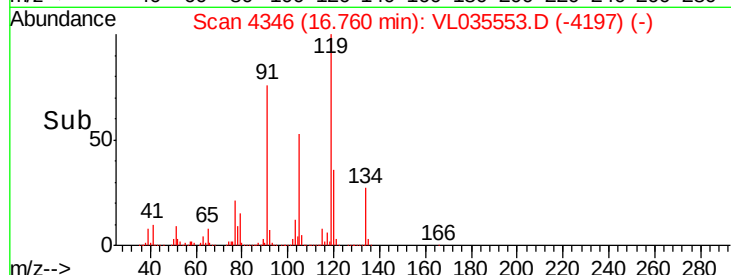
1500000

1000000

500000

0

16.60 16.70 16.80 16.90



#66

Benzyl Chloride

Concen: 14.307 ppbv

RT: 17.00 min Scan# 4422

Delta R.T. -0.02 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

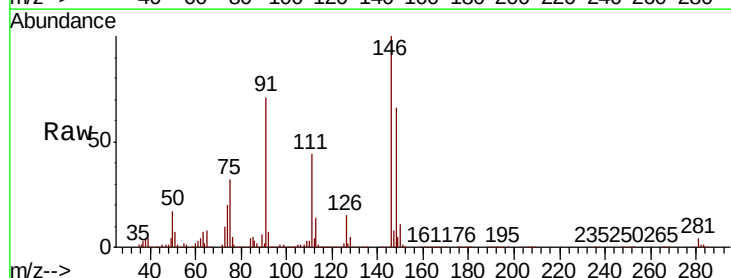
Tgt Ion: 91 Resp: 2212771

Ion Ratio Lower Upper

91 100

126 21.1 17.2 25.8

128 6.8 5.5 8.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

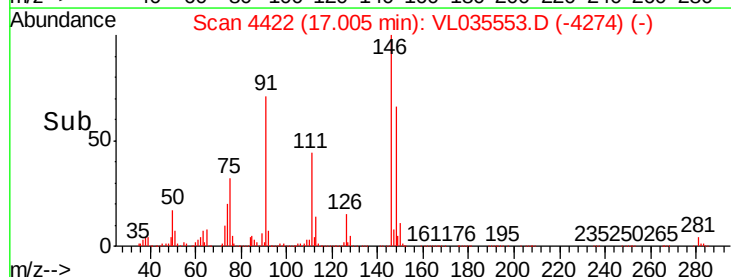
Ion 128.10 (127.80 to 128.80): V

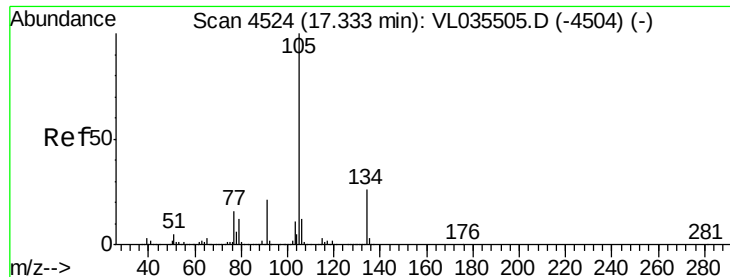
1000000

500000

0

16.90 17.00 17.10





#67

sec-Butylbenzene

Concen: 9.930 ppbv

RT: 17.31 min Scan# 4517

Delta R.T. -0.02 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 105 Resp: 8233149

Ion Ratio Lower Upper

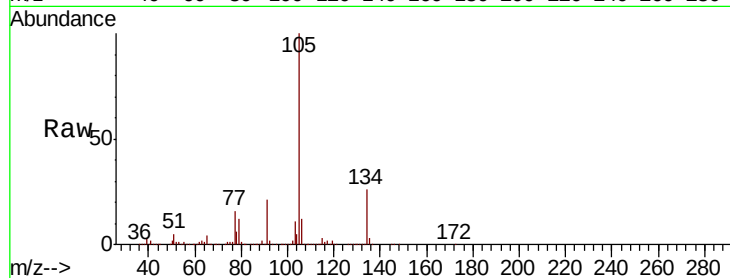
105 100

134 23.6 19.1 28.7

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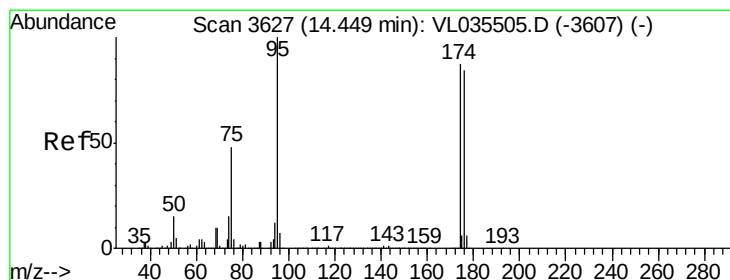
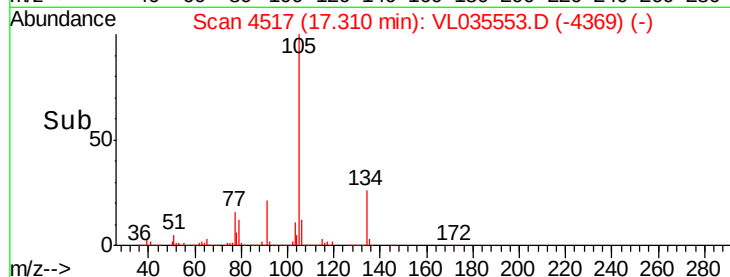
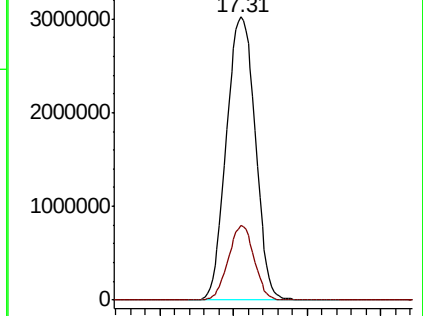
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.425 ppbv

RT: 14.43 min Scan# 3620

Delta R.T. -0.02 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

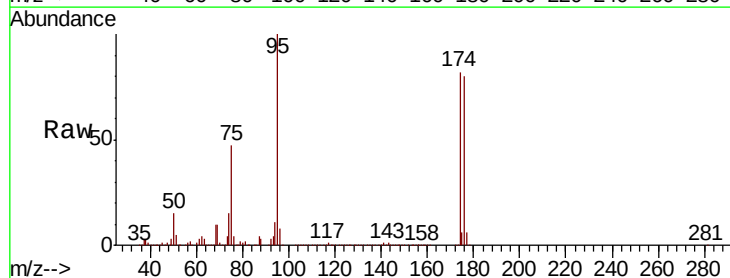
Tgt Ion: 95 Resp: 3555273

Ion Ratio Lower Upper

95 100

174 82.8 69.6 104.4

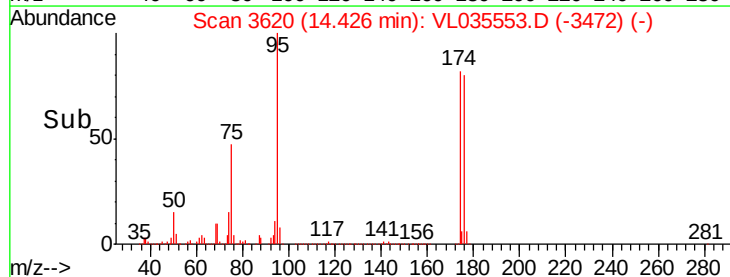
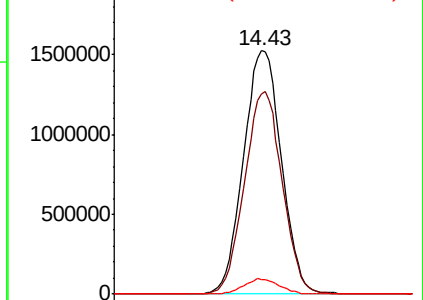
175 6.0 5.1 7.7

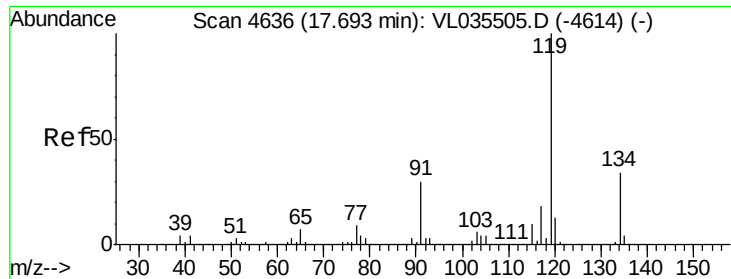


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





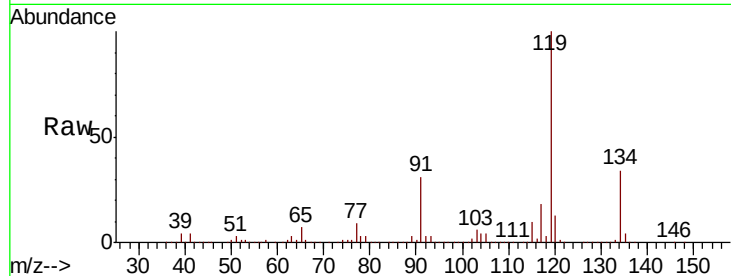
#69
 p-Isopropyltoluene
 Concen: 9.955 ppbv
 RT: 17.67 min Scan# 4629
 Delta R.T. -0.02 min
 Lab File: VL035553.D
 Acq: 8 Sep 2020 11:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	31.2	25.0	37.4
91	28.4	22.3	33.5

Manual Integrations
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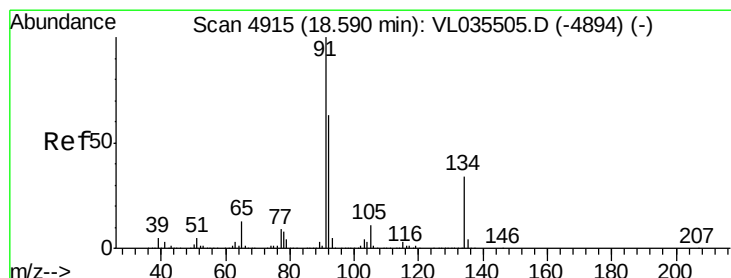
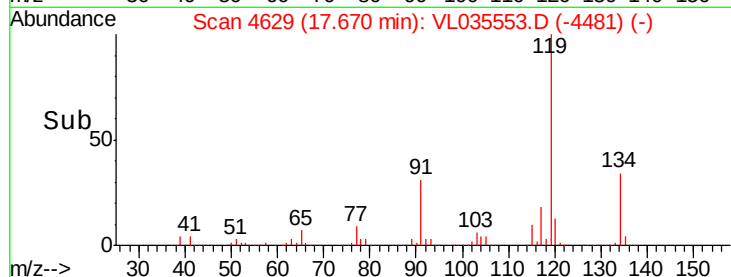
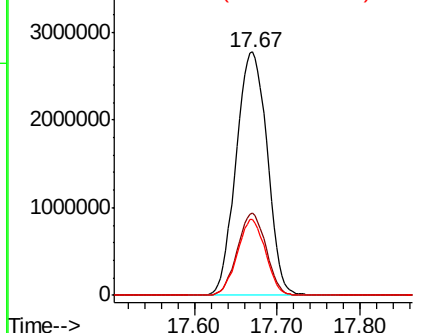


Abundance

Ion 119.10 (118.80 to 119.80): V

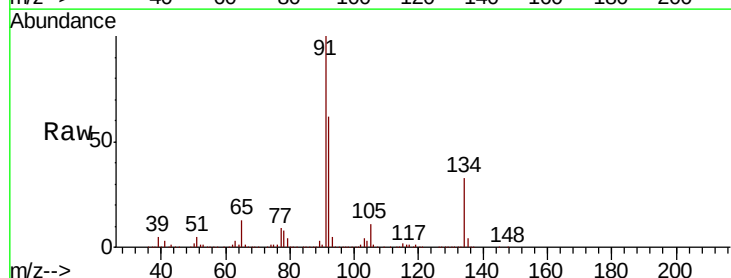
Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70
 n-Butylbenzene
 Concen: 10.056 ppbv
 RT: 18.56 min Scan# 4907
 Delta R.T. -0.03 min
 Lab File: VL035553.D
 Acq: 8 Sep 2020 11:57

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.3	47.3	70.9
134	30.3	24.6	37.0

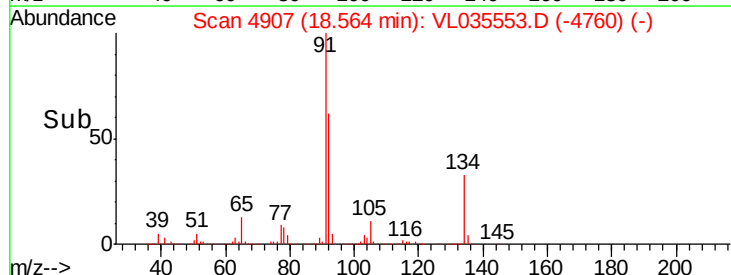
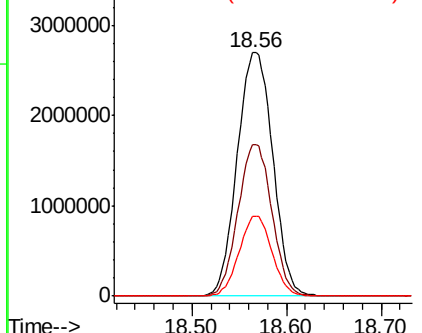


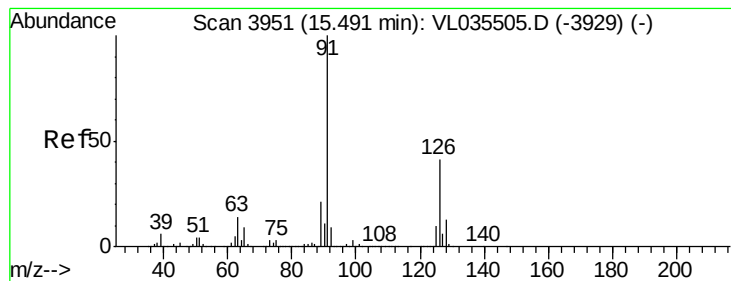
Abundance

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





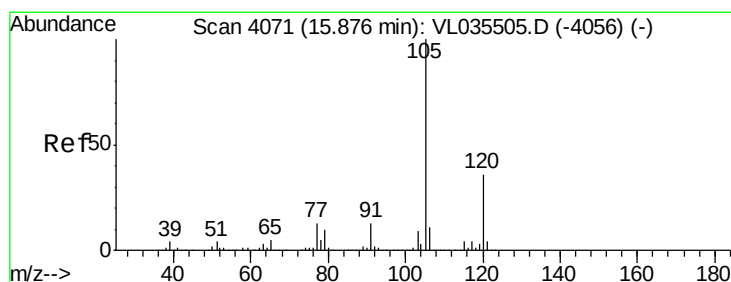
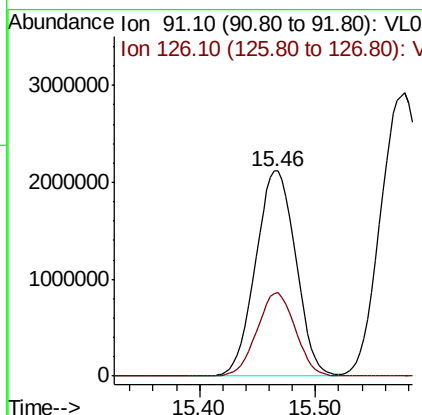
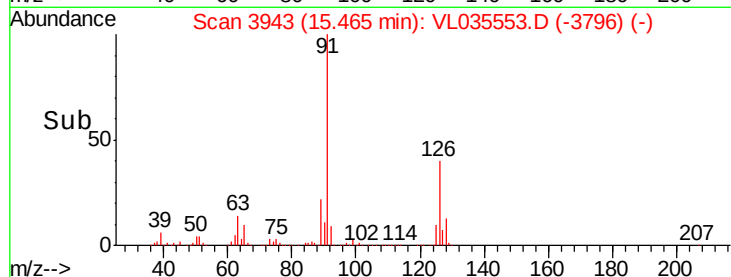
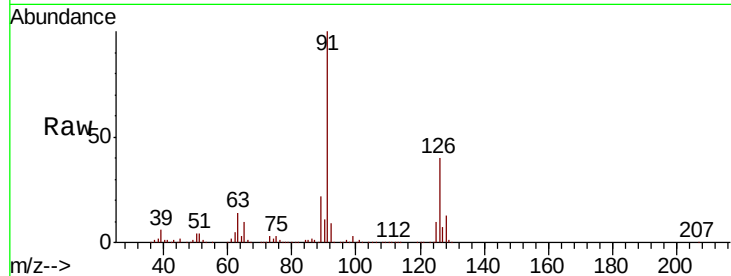
#71
 2-Chlorotoluene
 Concen: 10.466 ppbv
 RT: 15.46 min Scan# 3943
 Delta R.T. -0.03 min
 Lab File: VL035553.D
 Acq: 8 Sep 2020 11:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 91 Resp: 5102364
 Ion Ratio Lower Upper
 91 100
 126 38.9 15.6 62.6

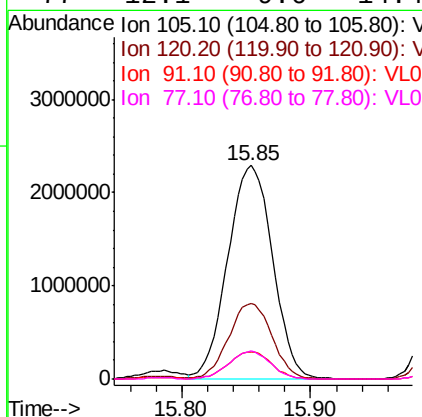
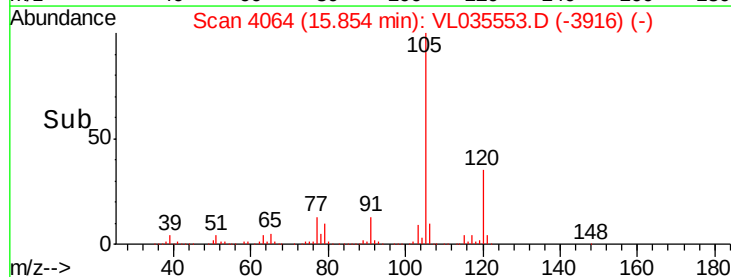
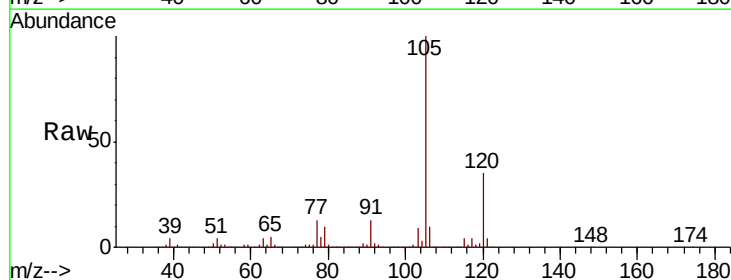
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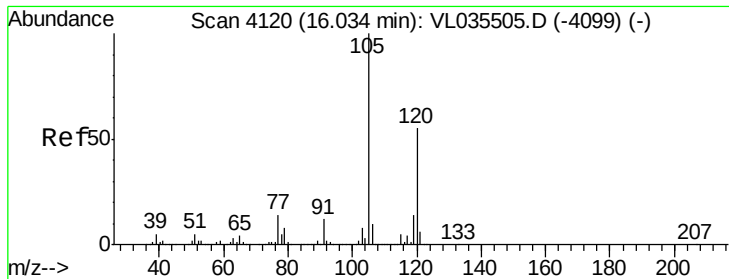
sam
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#72
 4-Ethyltoluene
 Concen: 10.422 ppbv
 RT: 15.85 min Scan# 4064
 Delta R.T. -0.02 min
 Lab File: VL035553.D
 Acq: 8 Sep 2020 11:57

Tgt Ion:105 Resp: 5522064
 Ion Ratio Lower Upper
 105 100
 120 34.4 27.4 41.2
 91 12.3 9.7 14.5
 77 12.1 9.6 14.4





#73

1,3,5-Trimethylbenzene

Concen: 10.468 ppbv

RT: 16.01 min Scan# 4113

Delta R.T. -0.02 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 5130052

Ion Ratio Lower Upper

105 100

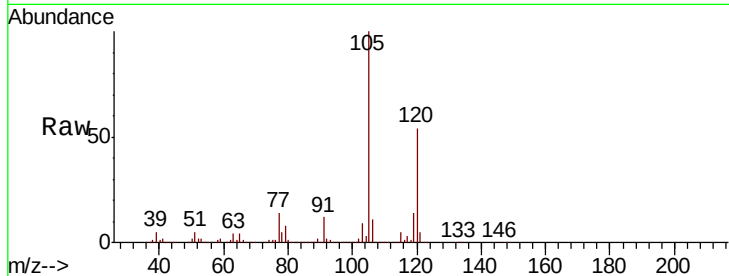
120 54.1 44.2 66.2

Manual Integrations

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sam

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2500000

2000000

1500000

1000000

500000

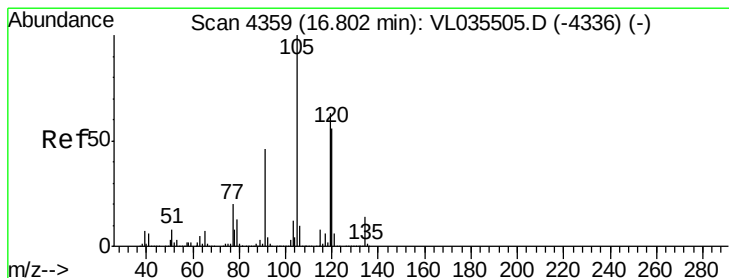
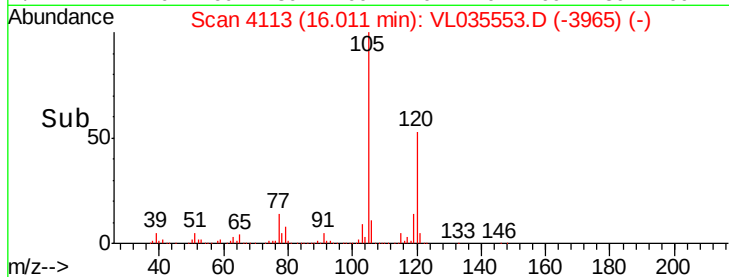
0

15.90

16.01

16.10

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 9.937 ppbv

RT: 16.78 min Scan# 4352

Delta R.T. -0.02 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

Tgt Ion:105 Resp: 5347989

Ion Ratio Lower Upper

105 100

120 56.0 44.4 66.6

91 48.3 37.1 55.7

77 20.4 16.0 24.0

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

3000000

2000000

1000000

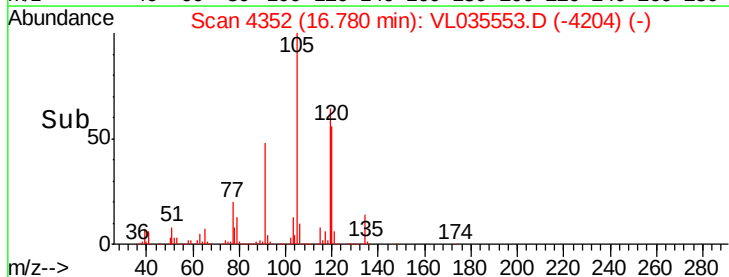
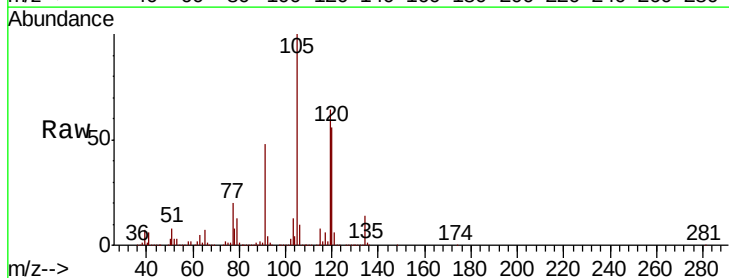
0

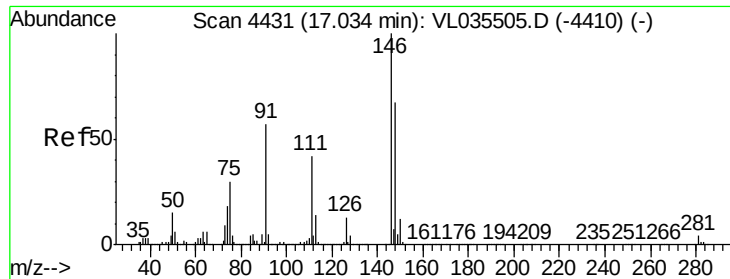
16.70

16.78

16.90

Time-->





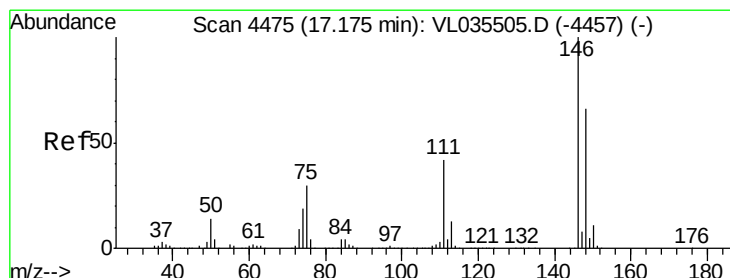
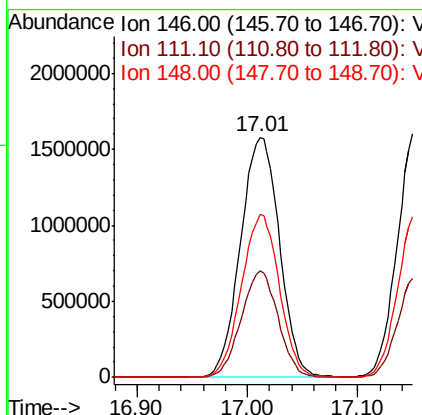
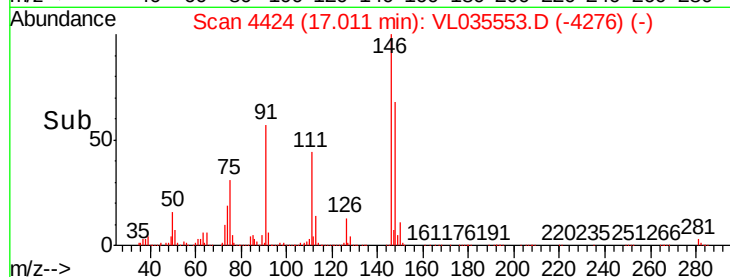
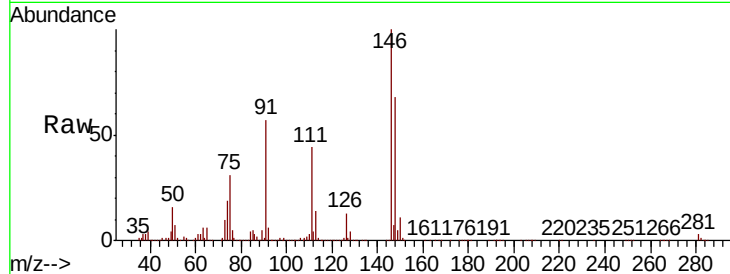
#75
 1,3-Dichlorobenzene
 Concen: 9.691 ppbv
 RT: 17.01 min Scan# 4424
 Delta R.T. -0.02 min
 Lab File: VL035553.D
 Acq: 8 Sep 2020 11:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:146 Resp: 3863014
 Ion Ratio Lower Upper
 146 100
 111 42.2 20.7 62.1
 148 66.3 33.0 98.9

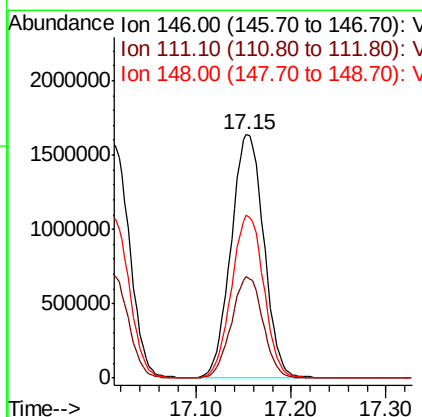
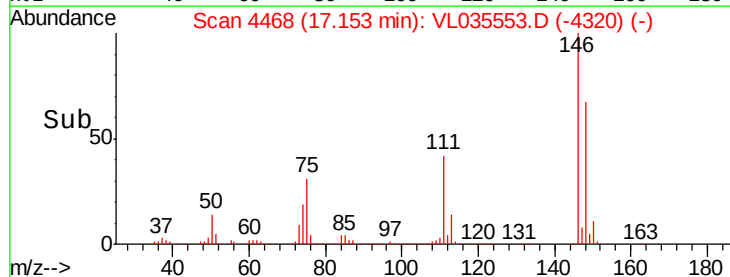
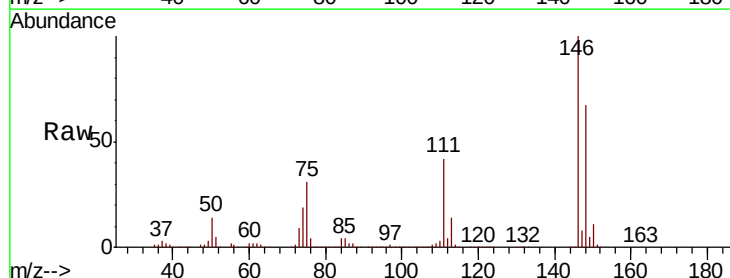
Manual Integrations
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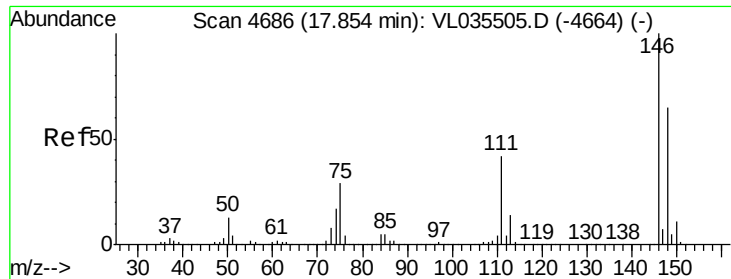
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#76
 1,4-Dichlorobenzene
 Concen: 10.020 ppbv
 RT: 17.15 min Scan# 4468
 Delta R.T. -0.02 min
 Lab File: VL035553.D
 Acq: 8 Sep 2020 11:57

Tgt Ion:146 Resp: 3939256
 Ion Ratio Lower Upper
 146 100
 111 40.1 20.0 60.0
 148 66.1 33.2 99.6





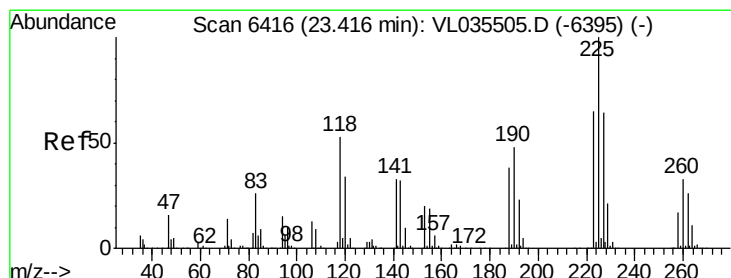
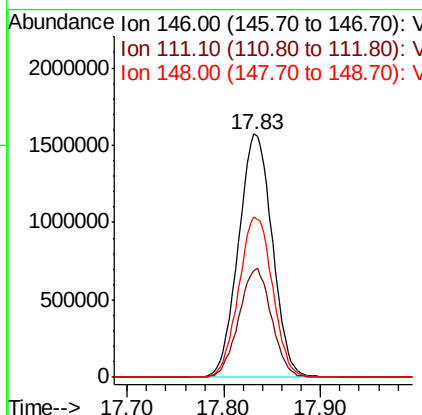
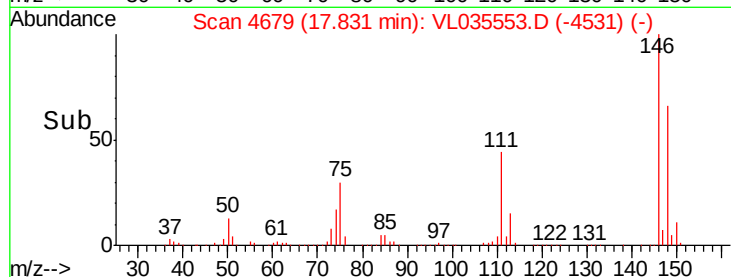
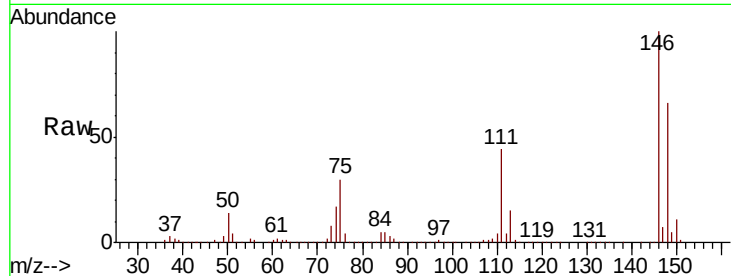
#77
 1,2-Dichlorobenzene
 Concen: 9.895 ppbv
 RT: 17.83 min Scan# 4679
 Delta R.T. -0.02 min
 Lab File: VL035553.D
 Acq: 8 Sep 2020 11:57

Instrument :
 MSVOA_L
 ClientSampled :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.1	63.3
148	66.2	32.9	98.7

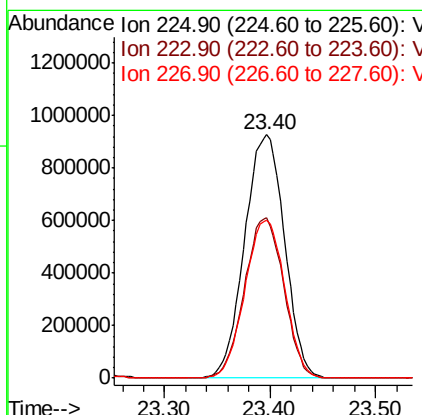
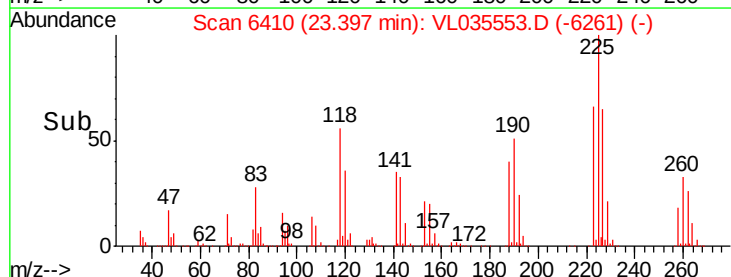
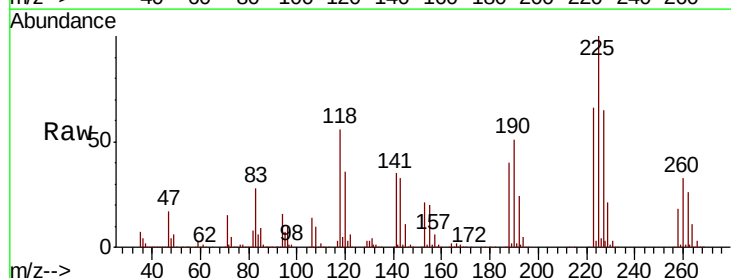
Manual Integrations
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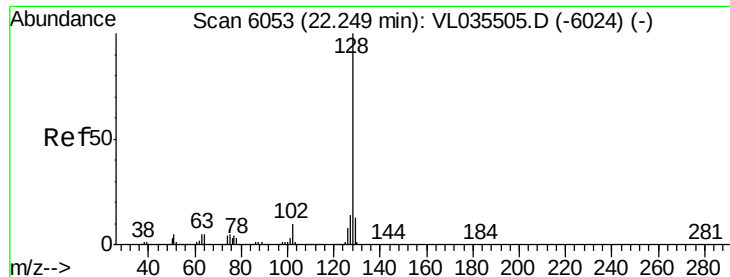
sam
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#78
 Hexachloro-1,3-Butadiene
 Concen: 9.924 ppbv
 RT: 23.40 min Scan# 6410
 Delta R.T. -0.02 min
 Lab File: VL035553.D
 Acq: 8 Sep 2020 11:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.8	51.7	77.5
227	64.5	51.5	77.3





#79

Naphthalene

Concen: 11.033 ppbv

RT: 22.22 min Scan# 6044

Delta R.T. -0.03 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:128 Resp: 6588186

Ion Ratio Lower Upper

128 100

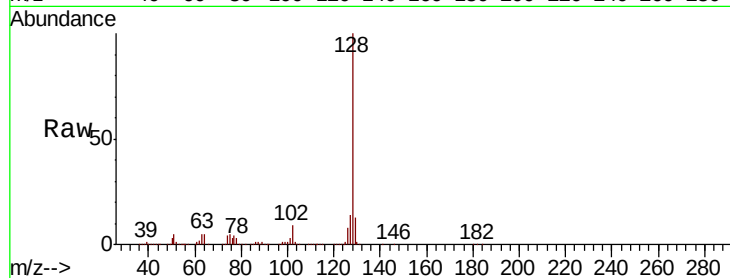
127 14.1 11.4 17.2

129 12.6 10.5 15.7

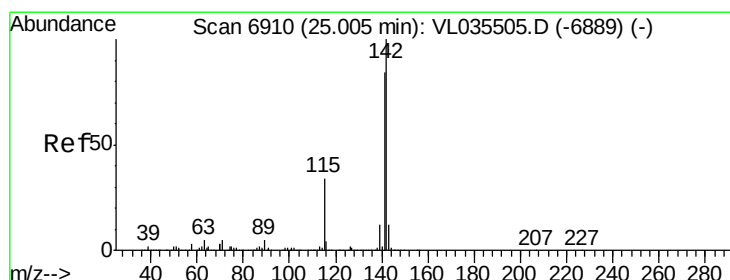
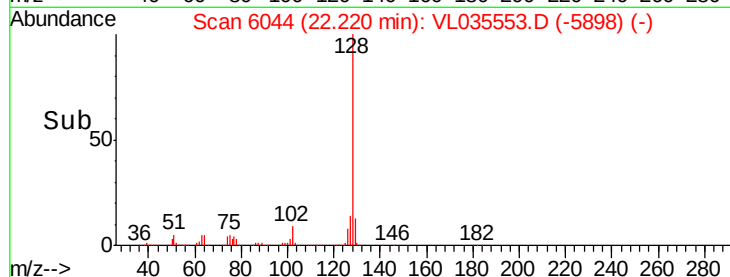
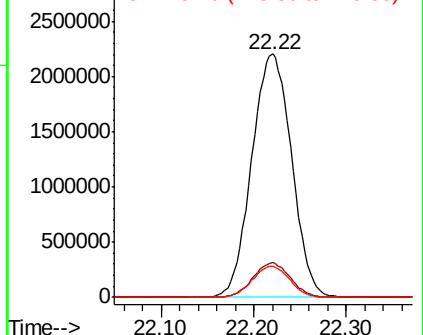
Manual Integrations
APPROVED

sam

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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: 13.081 ppbv

RT: 24.99 min Scan# 6904

Delta R.T. -0.02 min

Lab File: VL035553.D

Acq: 8 Sep 2020 11:57

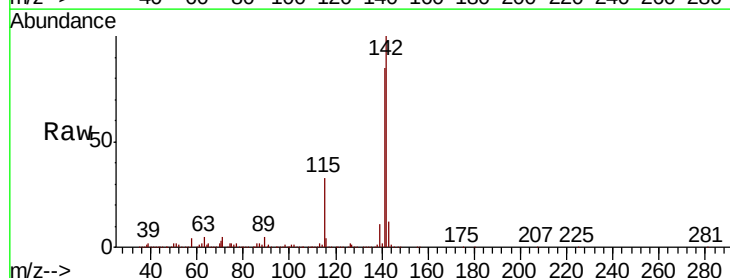
Tgt Ion:142 Resp: 2666020

Ion Ratio Lower Upper

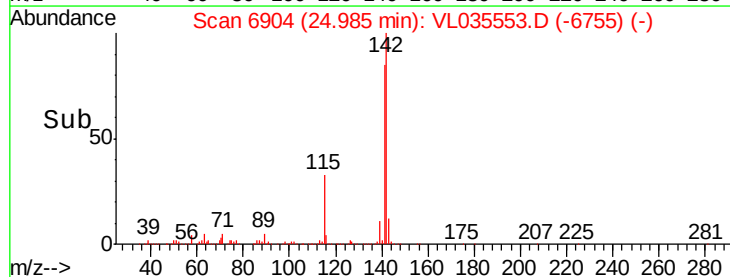
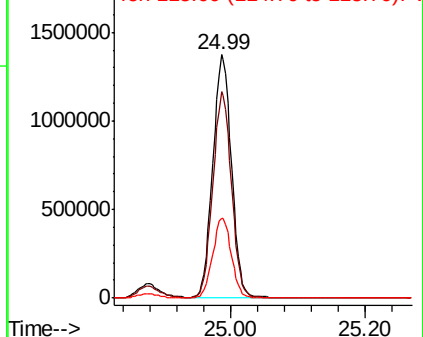
142 100

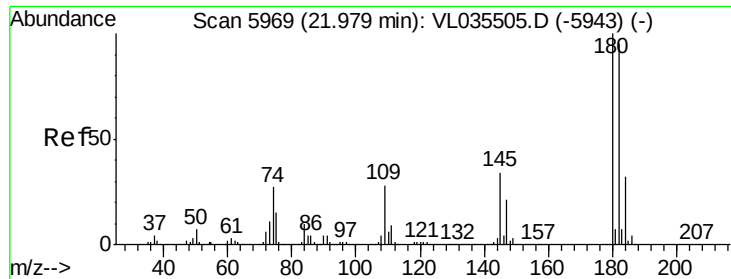
141 84.0 67.6 101.4

115 32.6 25.8 38.8



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: 10.495 ppbv
 RT: 21.95 min Scan# 5960
 Delta R.T. -0.03 min
 Lab File: VL035553.D
 Acq: 8 Sep 2020 11:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.3	114.5
184	31.7	25.3	37.9

Manual Integrations
 APPROVED

sam
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