

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092320\
 Data File : VL035722.D
 Acq On : 23 Sep 2020 17:47
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

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 9/24/2020 1:35:42 PM

Quant Time: Sep 24 09:14:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23 2020
 QLast Update : Wed Sep 23 07:38:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1169388	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	4488974	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	4686901m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	3415752	9.73	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	1738286	9.059	ppbv	99
3) Chlorodifluoromethane	2.99	51	1209769	9.616	ppbv	99
4) Chloromethane	3.14	50	656593	9.716	ppbv	98
5) Vinyl Chloride	3.26	62	783827	9.806	ppbv	99
6) Bromomethane	3.47	94	655713	9.704	ppbv	100
7) Chloroethane	3.56	64	289099	9.861	ppbv	100
8) Dichlorotetrafluoroethane	3.19	85	2175440	9.348	ppbv	100
9) Propene	3.01	41	463580	10.149	ppbv	99
10) Heptane	8.14	43	1371894	10.773	ppbv	100
11) Trichlorofluoromethane	3.95	101	2599678	9.496	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1947029	9.540	ppbv	100
13) Ethanol	3.61	45	110404	9.801	ppbv	100
14) Bromoethene	3.74	108	860890	10.014	ppbv	100
15) Acetone	3.85	43	1042274	8.283	ppbv	99
16) 1,3-Butadiene	3.33	39	489834	10.641	ppbv	99
17) tert-Butyl alcohol	4.30	59	1515907	11.060	ppbv	99
18) 1,1-Dichloroethene	4.29	96	893722	10.002	ppbv	96
19) Isopropyl Alcohol	3.98	45	797949	11.658	ppbv	99
20) Methylene Chloride	4.35	84	741206	8.019	ppbv	99
21) Allyl Chloride	4.42	41	630549	10.338	ppbv	100
22) trans-1,2-Dichloroethene	4.90	96	933587	9.889	ppbv	99
23) Vinyl Acetate	5.09	43	1633767	10.601	ppbv	100
24) 1,1-Dichloroethane	5.02	63	1620085	9.651	ppbv	100
25) Ethyl Acetate	5.69	43	2230439	9.851	ppbv	100
26) Hexane	5.70	57	1241489	10.006	ppbv	99
27) Carbon Disulfide	4.56	76	1969558	10.650	ppbv	99
28) Methyl tert-Butyl Ether	5.05	73	2069160	10.521	ppbv	99
29) Chloroform	5.77	83	2448841	9.719	ppbv	99
30) Cyclohexane	7.15	84	1354477	11.065	ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	1309590	10.934	ppbv	97
32) 1,1,1-Trichloroethane	6.53	97	2350146	10.581	ppbv	100
34) 2-Butanone	5.26	43	1508480	10.160	ppbv	100
35) Carbon Tetrachloride	7.04	117	2434029	10.400	ppbv	99
36) Benzene	6.91	78	3069822	10.495	ppbv	100
37) 1,2-Dichloroethane	6.32	62	1509596	9.902	ppbv	100
38) Trichloroethene	7.86	130	1545549	10.592	ppbv	98
39) 1,2-Dichloropropane	7.64	63	1063688	10.033	ppbv	98
40) 1,4-Dioxane	7.85	88	530729	10.946	ppbv	95
41) Tetrahydrofuran	6.06	42	864327	11.555	ppbv	99
42) Bromodichloromethane	7.82	83	2535030	10.323	ppbv	99
43) Methyl Methacrylate	8.04	69	1304850	11.217	ppbv	99

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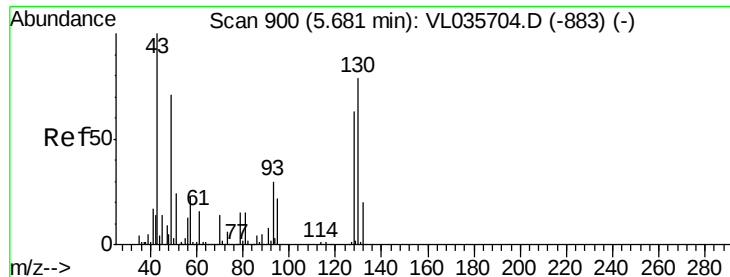
Manual Integrations
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Quant Time: Sep 24 09:14:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	4215773	10.044	ppbv	100
45) t-1,3-Dichloropropene	9.30	75	1427519	12.154	ppbv	98
46) cis-1,3-Dichloropropene	8.73	75	1736662	11.995	ppbv	99
47) 1,1,2-Trichloroethane	9.50	97	1498989	9.871	ppbv	98
48) Dibromochloromethane	10.33	129	2507256	10.848	ppbv	100
49) Bromoform	13.07	173	2220013	11.321	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2277728	10.503	ppbv	99
51) 2-Hexanone	10.16	43	1903961	10.897	ppbv	100
52) Tetrachloroethene	11.25	164	1446090	10.281	ppbv	98
53) Toluene	9.83	91	3852018	11.168	ppbv	100
54) 1,2-Dibromoethane	10.64	107	2339973	10.291	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.16	131	1939724	9.870	ppbv	98
57) Chlorobenzene	12.18	112	3251716	9.186	ppbv	98
58) Ethyl Benzene	12.74	91	5000632	10.630	ppbv	100
59) m/p-Xylene	13.03	91	8128560m	19.786	ppbv	
60) o-Xylene	13.73	91	4184397	10.069	ppbv	100
61) Styrene	13.56	104	3278352	11.409	ppbv	99
62) Isopropylbenzene	14.70	105	6305383	9.782	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	3057856	8.973	ppbv	100
64) n-propylbenzene	15.60	120	1930392	10.233	ppbv	99
65) tert-Butylbenzene	16.78	119	5804464	9.905	ppbv	99
66) Benzyl Chloride	17.03	91	2029839	11.432	ppbv	100
67) sec-Butylbenzene	17.33	105	7757961	9.586	ppbv	100
69) p-Isopropyltoluene	17.69	119	6509411	9.887	ppbv	99
70) n-Butylbenzene	18.59	91	6496184	9.581	ppbv	99
71) 2-Chlorotoluene	15.49	91	4813502	10.238	ppbv	100
72) 4-Ethyltoluene	15.88	105	5098507	10.357	ppbv	100
73) 1,3,5-Trimethylbenzene	16.03	105	4742090	10.193	ppbv	97
74) 1,2,4-Trimethylbenzene	16.80	105	4964310	9.466	ppbv	99
75) 1,3-Dichlorobenzene	17.03	146	3280631	9.163	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	3281165	9.587	ppbv	100
77) 1,2-Dichlorobenzene	17.85	146	3190866	9.436	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	1699069	9.107	ppbv	100
79) Naphthalene	22.25	128	4779444	9.555	ppbv	99
80) Naphthalene, 2-methyl-	25.00	142	1261789	10.695	ppbv	99
81) 1,2,4-Trichlorobenzene	21.98	180	2477824	9.559	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 1169388

Ion Ratio Lower Upper

49 100

128 85.1 43.1 129.4

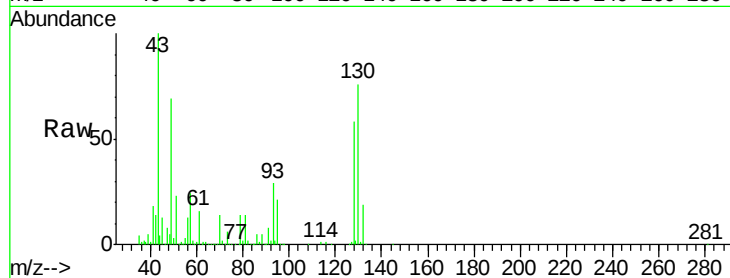
130 108.7 54.9 164.7

Manual Integrations

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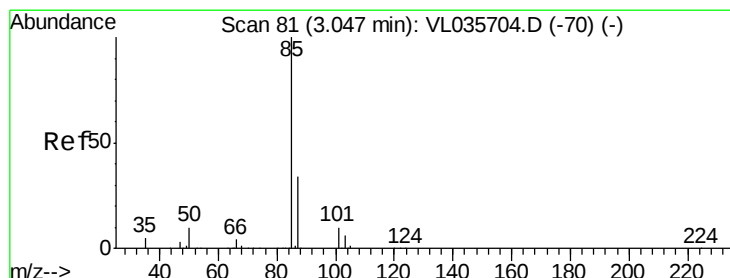
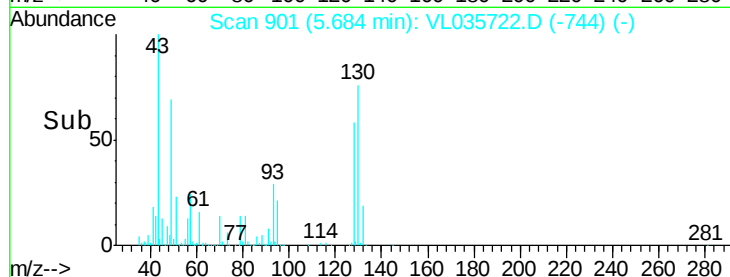
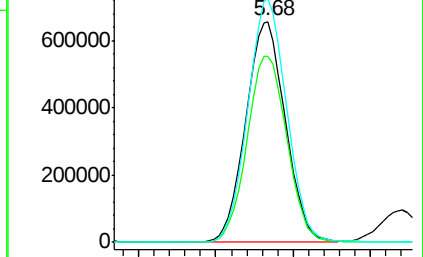
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 9.059 ppbv

RT: 3.05 min Scan# 81

Delta R.T. 0.00 min

Lab File: VL035722.D

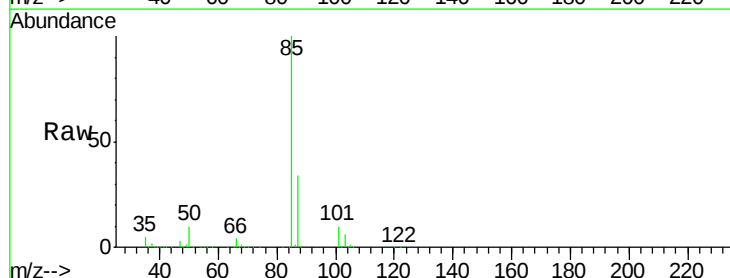
Acq: 23 Sep 2020 17:47

Tgt Ion: 85 Resp: 1738286

Ion Ratio Lower Upper

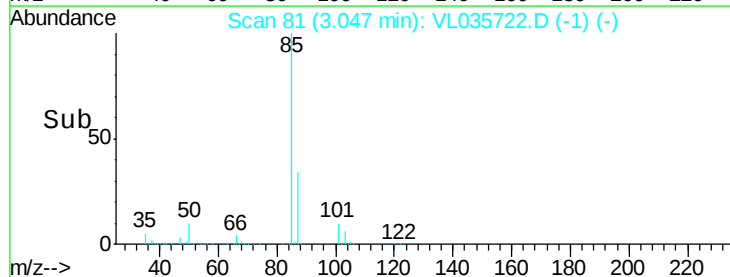
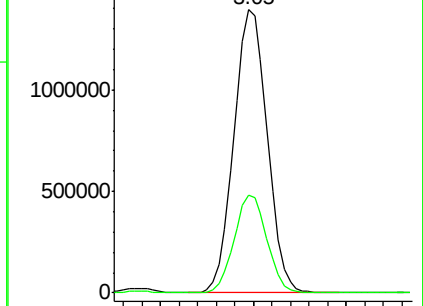
85 100

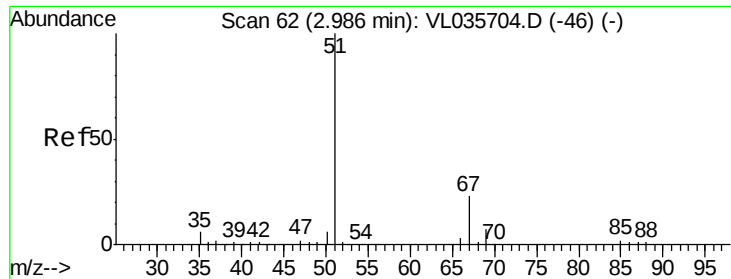
87 34.4 27.3 40.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





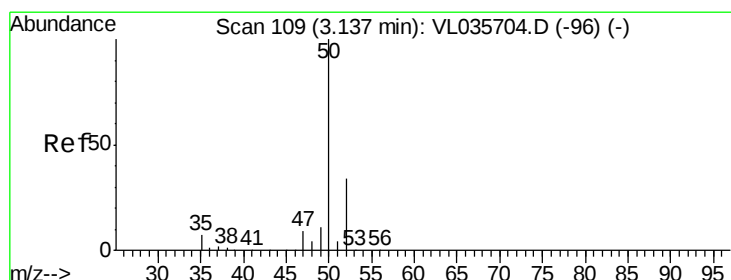
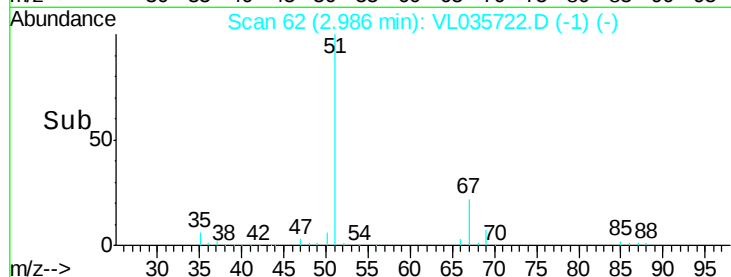
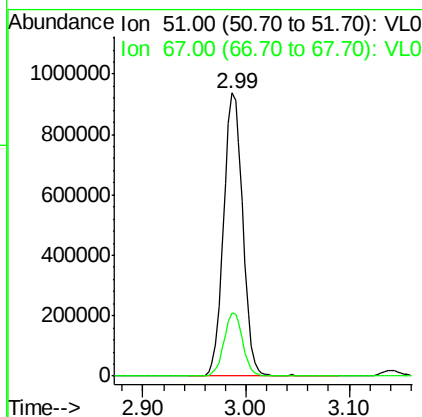
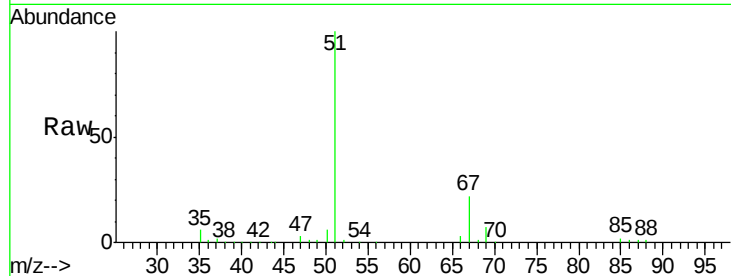
#3
Chlorodifluoromethane
Concen: 9.616 ppbv
RT: 2.99 min Scan# 62
Delta R.T. 0.00 min
Lab File: VL035722.D
Acq: 23 Sep 2020 17:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 51 Resp: 1209769
Ion Ratio Lower Upper
51 100
67 22.0 17.8 26.8

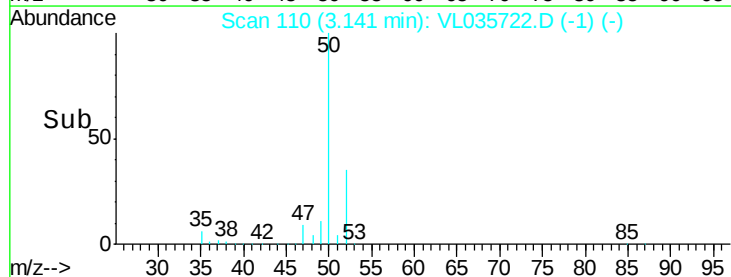
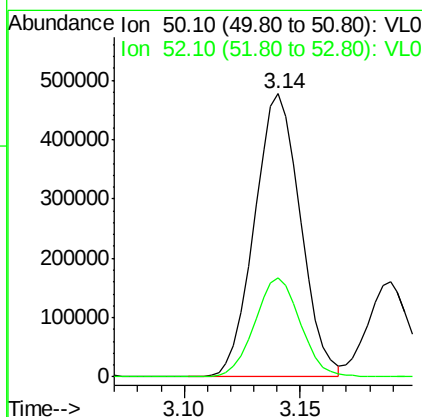
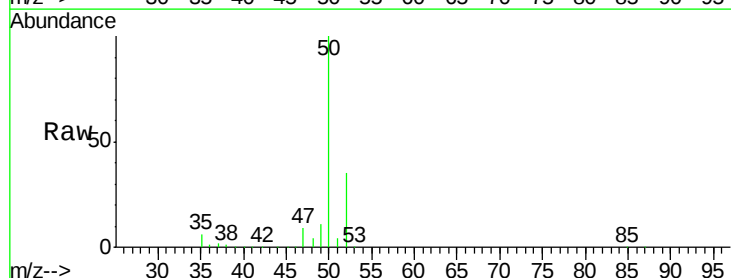
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#4
Chloromethane
Concen: 9.716 ppbv
RT: 3.14 min Scan# 110
Delta R.T. 0.00 min
Lab File: VL035722.D
Acq: 23 Sep 2020 17:47

Tgt Ion: 50 Resp: 656593
Ion Ratio Lower Upper
50 100
52 34.8 26.8 40.2





#5

Vinyl Chloride

Concen: 9.806 ppbv

RT: 3.26 min Scan# 147

Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 783827

Ion Ratio Lower Upper

62 100

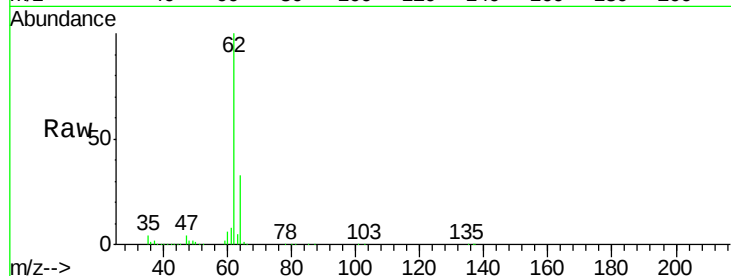
64 33.0 26.8 40.2

Manual Integrations

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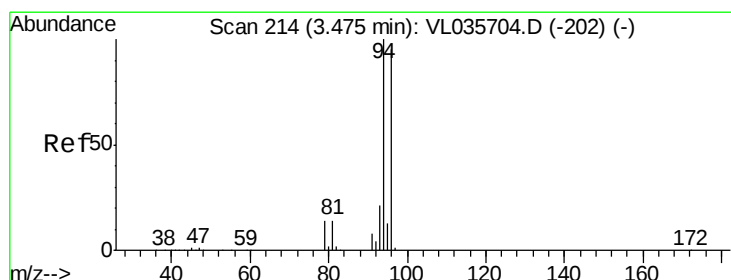
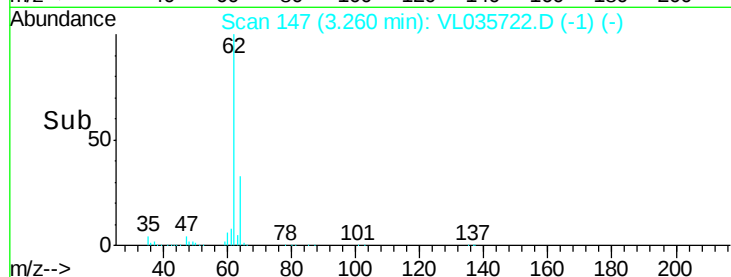
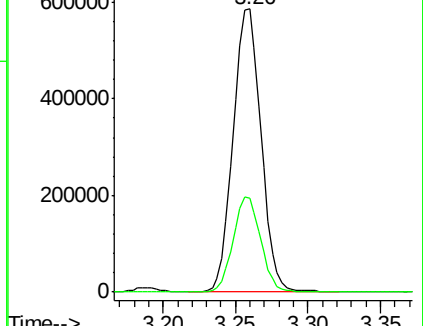
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.704 ppbv

RT: 3.47 min Scan# 214

Delta R.T. 0.00 min

Lab File: VL035722.D

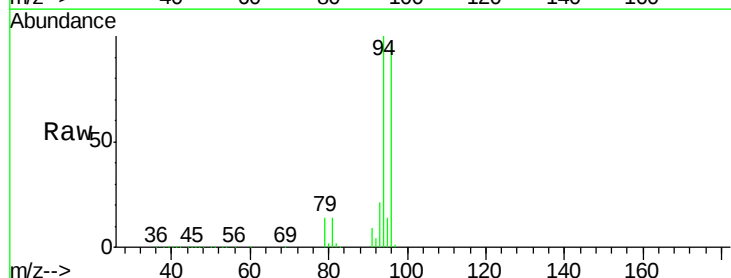
Acq: 23 Sep 2020 17:47

Tgt Ion: 94 Resp: 655713

Ion Ratio Lower Upper

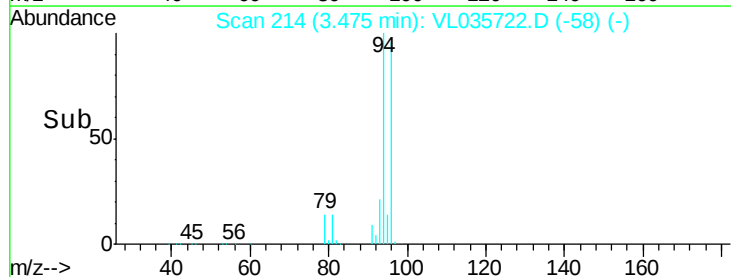
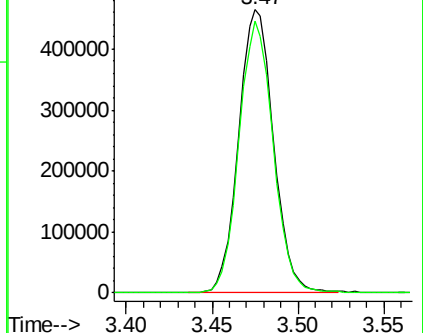
94 100

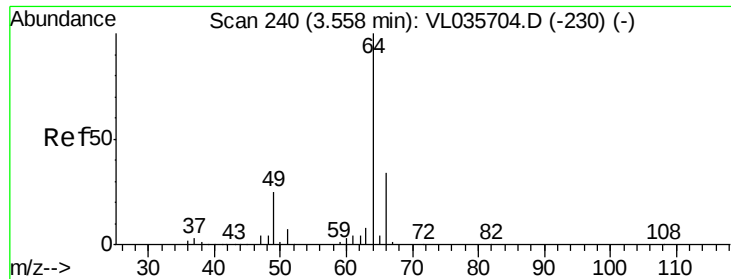
96 95.8 76.3 114.5



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.861 ppbv

RT: 3.56 min Scan# 240

Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 289099

Ion Ratio Lower Upper

64 100

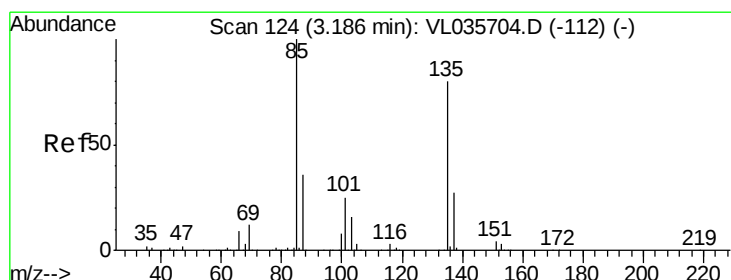
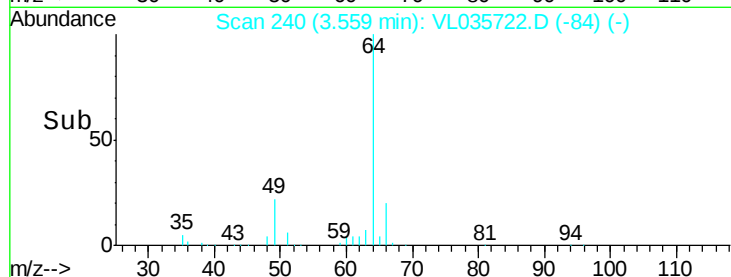
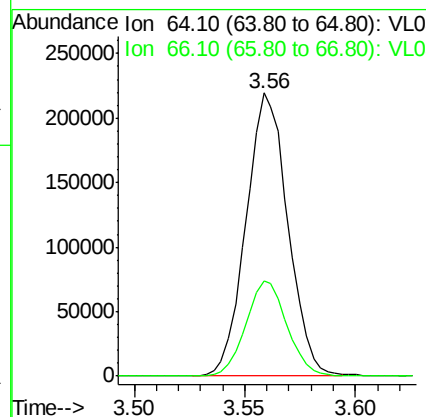
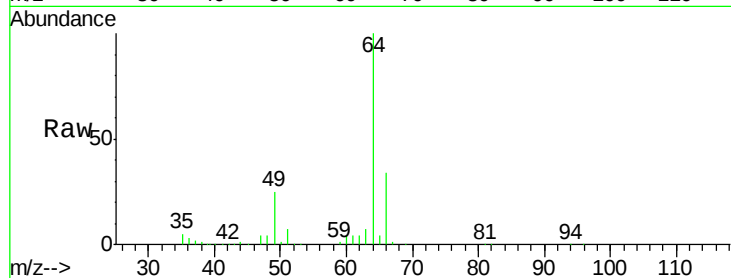
66 33.8 26.9 40.3

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#8

Dichlorotetrafluoroethane

Concen: 9.348 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.00 min

Lab File: VL035722.D

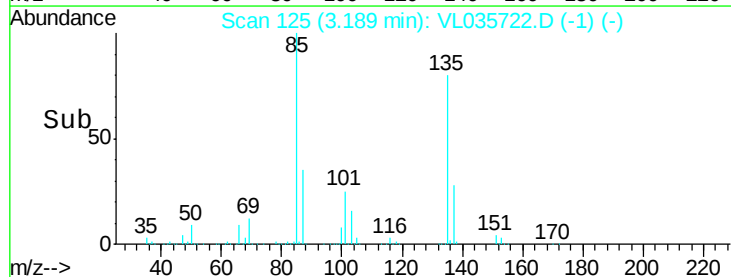
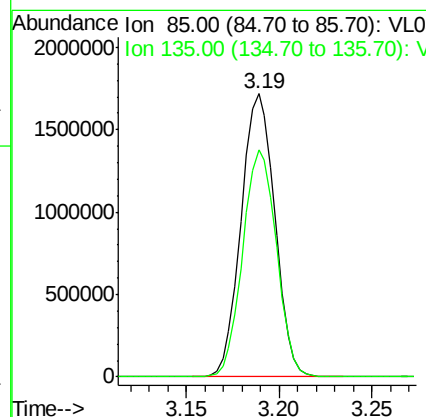
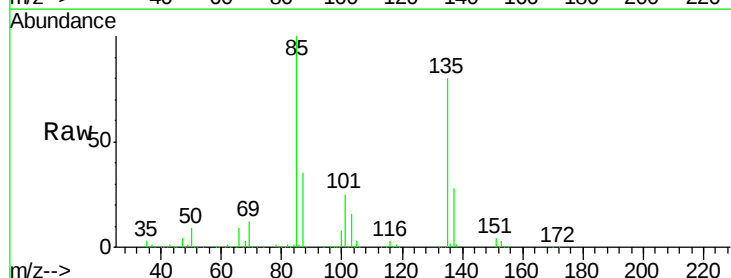
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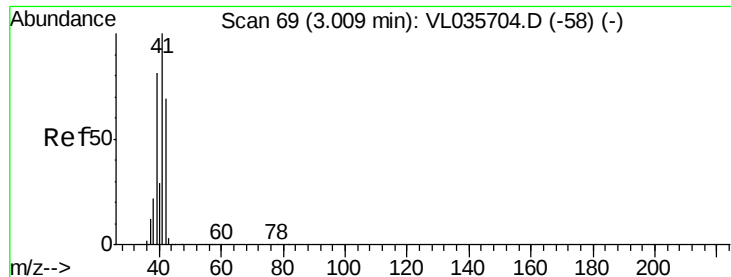
Tgt Ion: 85 Resp: 2175440

Ion Ratio Lower Upper

85 100

135 80.6 64.3 96.5





#9

Propene

Concen: 10.149 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

Tot Ion: 41 Resp: 463580

Ion Ratio Lower Upper

41 100

42 69.9 56.2 84.4

Instrument :

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ClientSampleId :

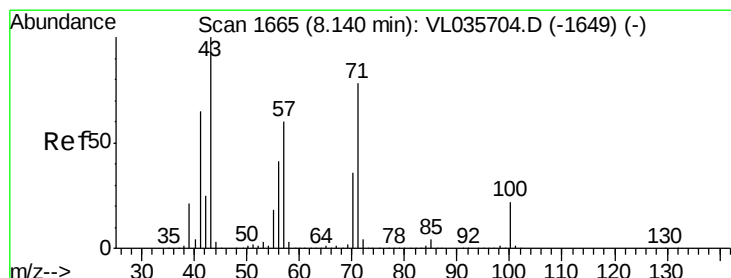
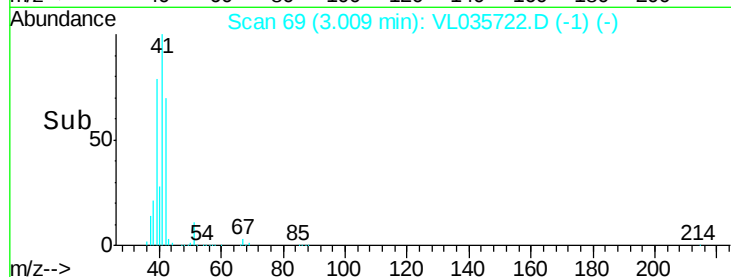
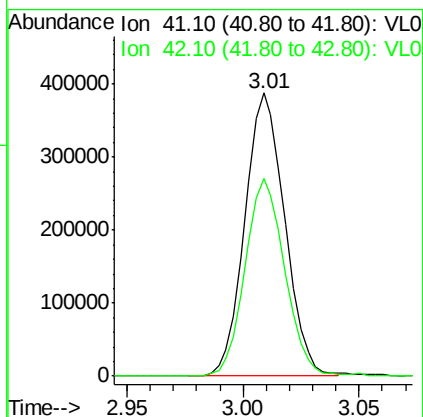
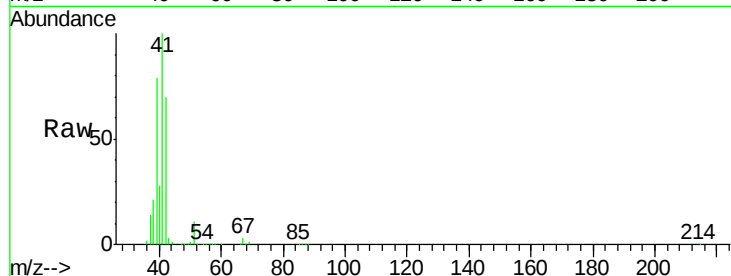
VSTDCCC010EC

Manual Integrations

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#10

Heptane

Concen: 10.773 ppbv

RT: 8.14 min Scan# 1666

Delta R.T. 0.00 min

Lab File: VL035722.D

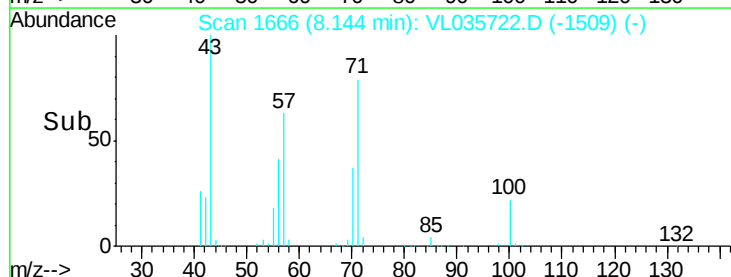
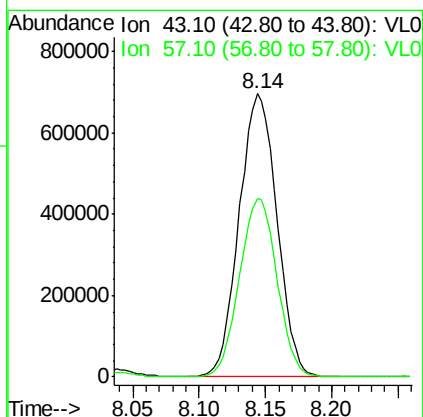
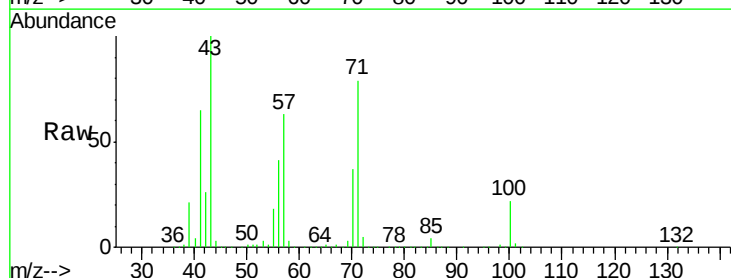
Acq: 23 Sep 2020 17:47

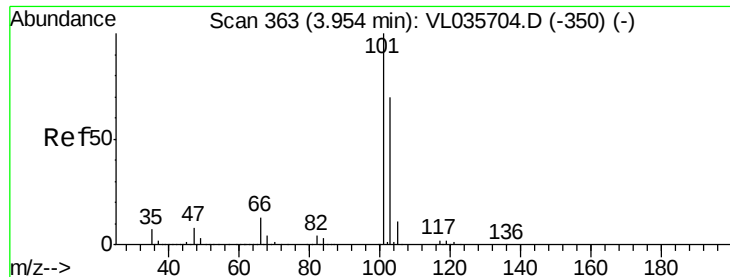
Tgt Ion: 43 Resp: 1371894

Ion Ratio Lower Upper

43 100

57 63.0 50.4 75.6





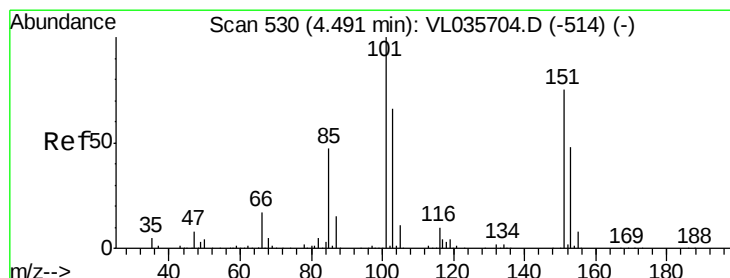
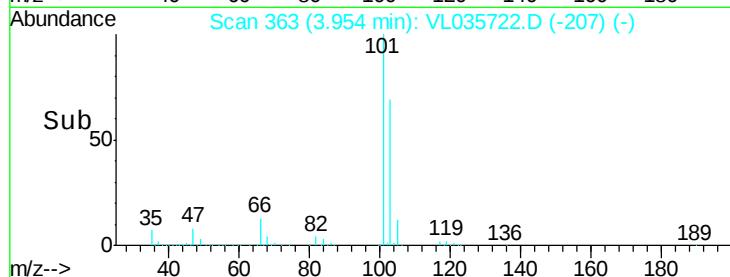
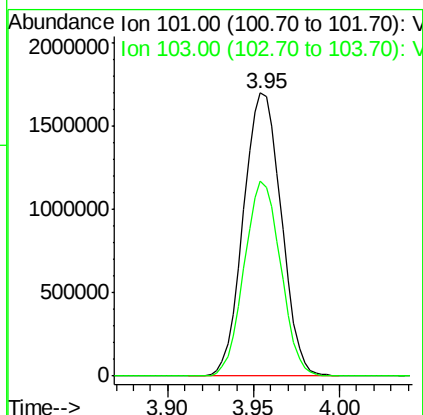
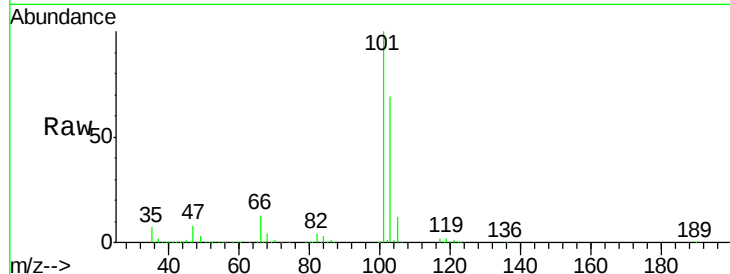
#11
 Trichlorofluoromethane
 Concen: 9.496 ppbv
 RT: 3.95 min Scan# 363
 Delta R.T. 0.00 min
 Lab File: VL035722.D
 Acq: 23 Sep 2020 17:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:101 Resp: 2599678
 Ion Ratio Lower Upper
 101 100
 103 68.7 55.6 83.4

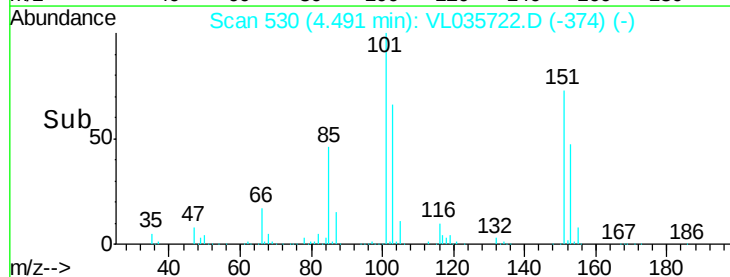
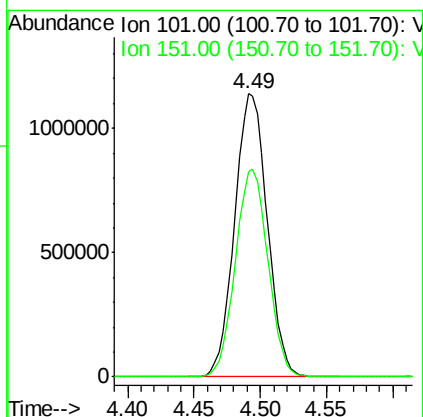
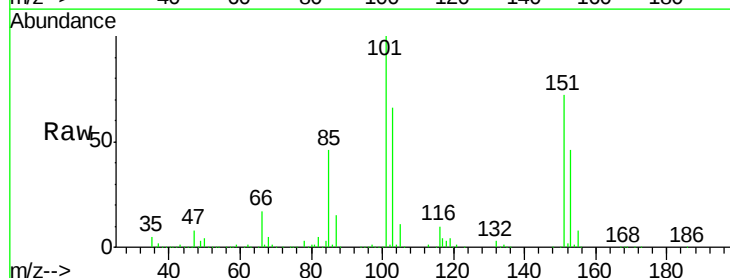
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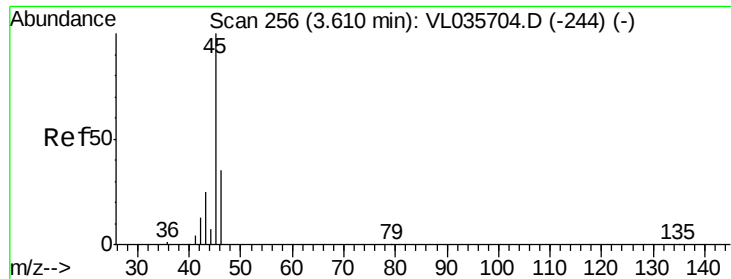
MMDadoda
 9/24/2020 1:35:42 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.540 ppbv
 RT: 4.49 min Scan# 530
 Delta R.T. 0.00 min
 Lab File: VL035722.D
 Acq: 23 Sep 2020 17:47

Tgt Ion:101 Resp: 1947029
 Ion Ratio Lower Upper
 101 100
 151 73.5 59.1 88.7





#13

Ethanol

Concen: 9.801 ppbv

RT: 3.61 min Scan# 257

Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 110404

Ion Ratio Lower Upper

45 100

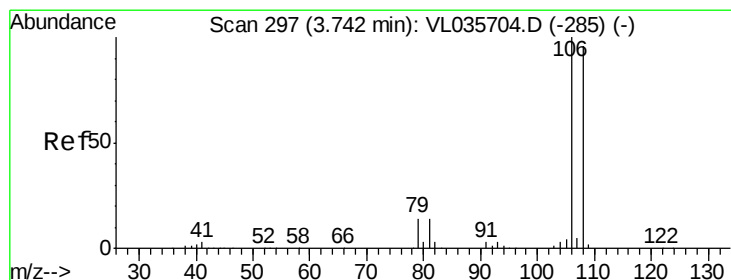
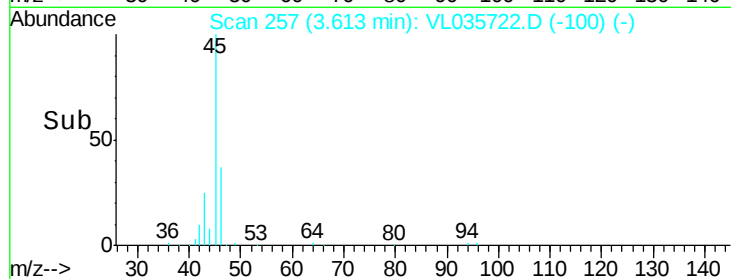
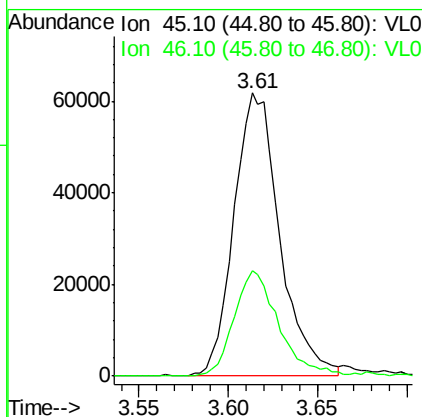
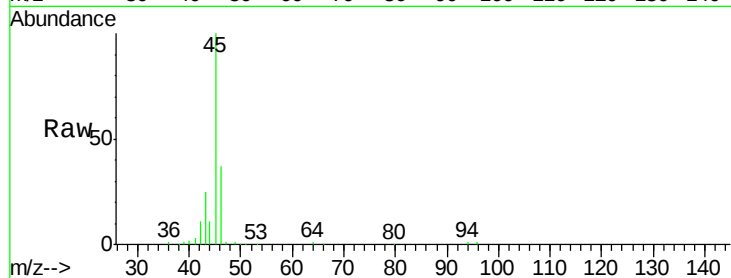
46 37.0 14.7 58.7

Manual Integrations

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#14

Bromoethene

Concen: 10.014 ppbv

RT: 3.74 min Scan# 297

Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

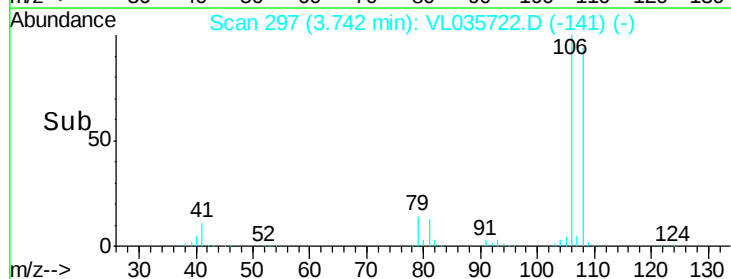
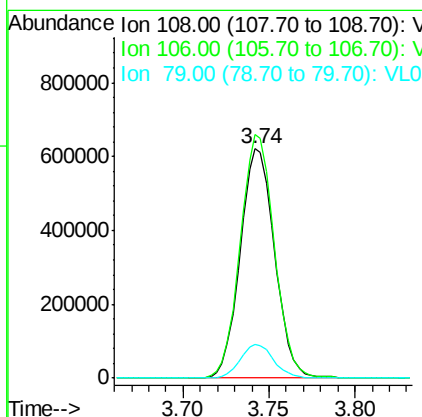
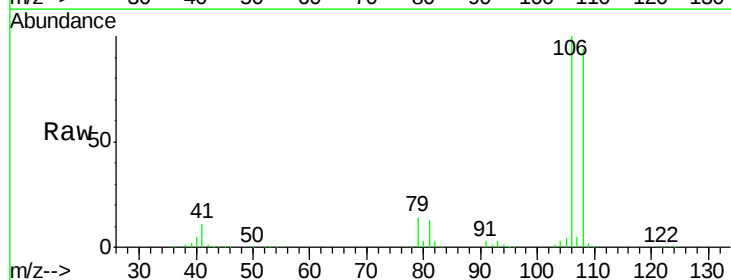
Tgt Ion: 108 Resp: 860890

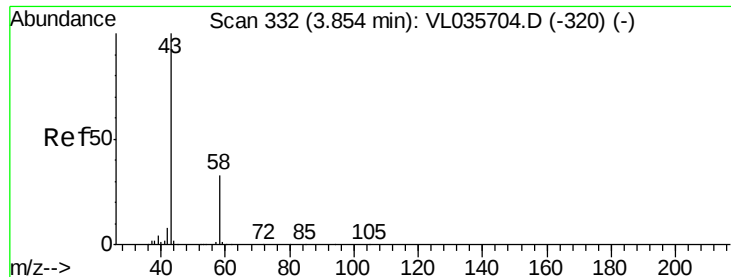
Ion Ratio Lower Upper

108 100

106 105.8 84.6 126.8

79 14.4 11.6 17.4





#15

Acetone

Concen: 8.283 ppbv

RT: 3.85 min Scan# 332

Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1042274

Ion Ratio Lower Upper

43 100

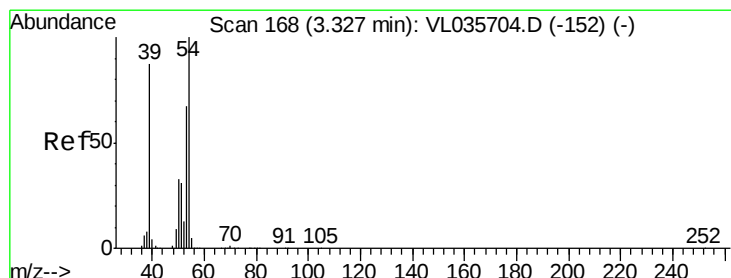
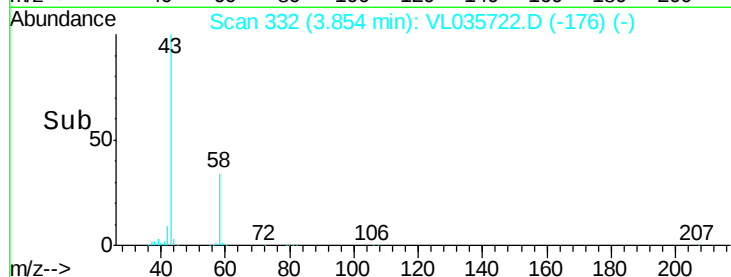
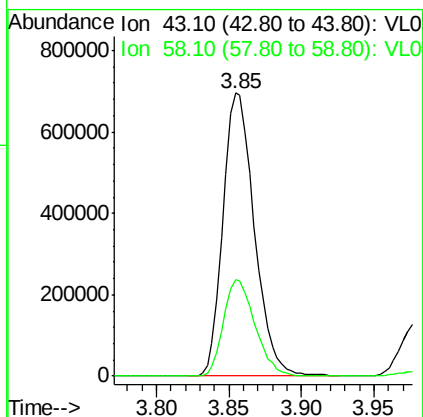
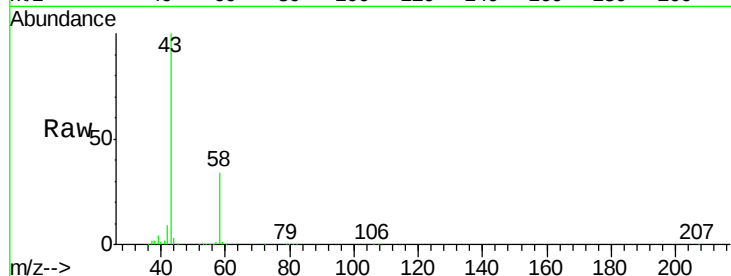
58 34.4 27.3 40.9

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#16

1,3-Butadiene

Concen: 10.641 ppbv

RT: 3.33 min Scan# 168

Delta R.T. 0.00 min

Lab File: VL035722.D

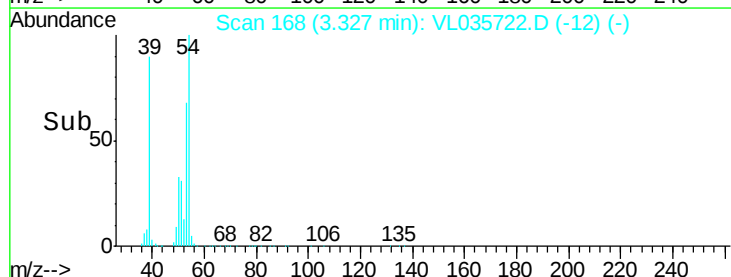
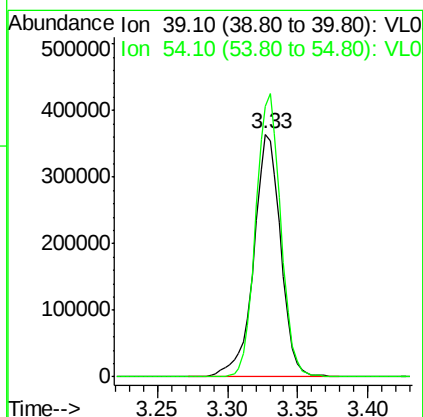
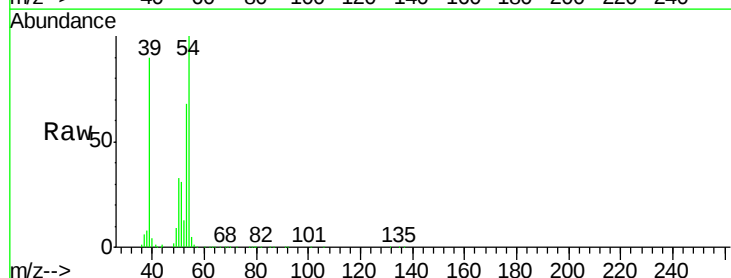
Acq: 23 Sep 2020 17:47

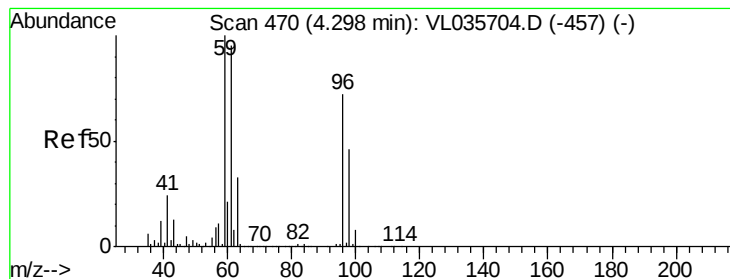
Tgt Ion: 39 Resp: 489834

Ion Ratio Lower Upper

39 100

54 108.2 87.4 131.0





#17

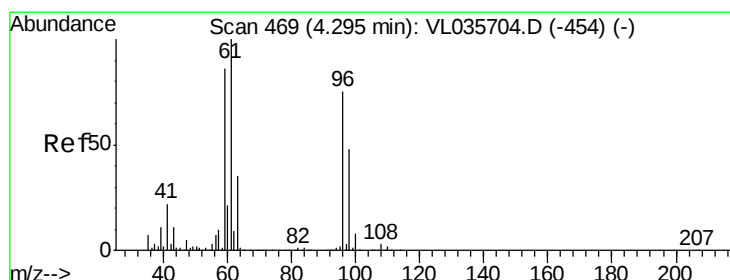
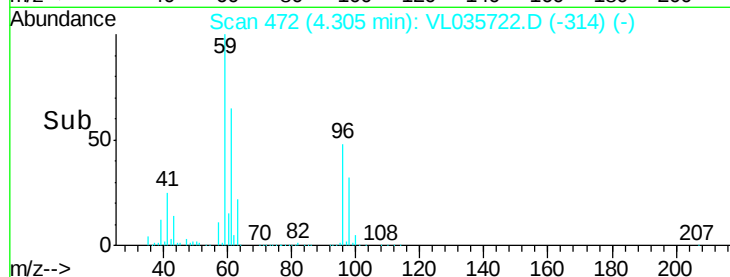
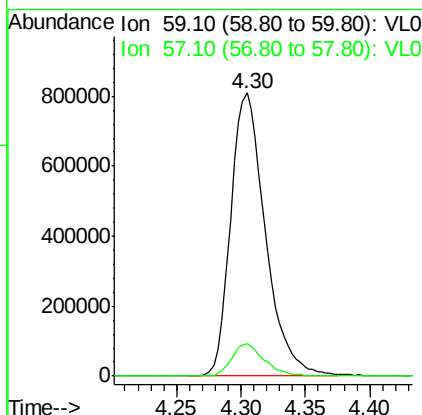
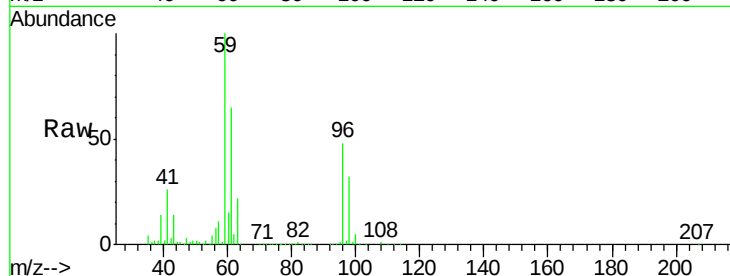
tert-Butyl alcohol
 Concen: 11.060 ppbv
 RT: 4.30 min Scan# 472
 Delta R.T. 0.01 min
 Lab File: VL035722.D
 Acq: 23 Sep 2020 17:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 59 Resp: 1515907
 Ion Ratio Lower Upper
 59 100
 57 10.8 8.5 12.7

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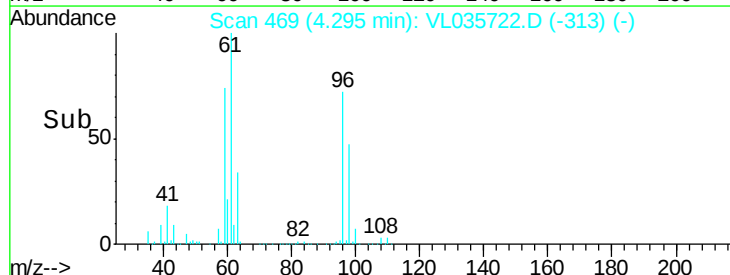
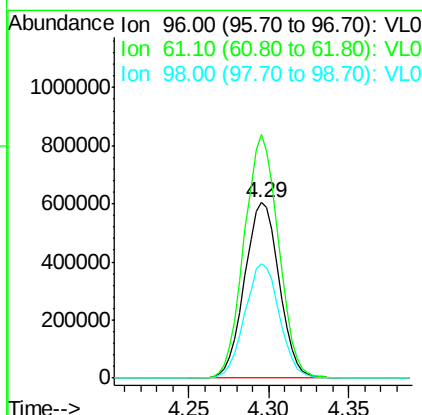
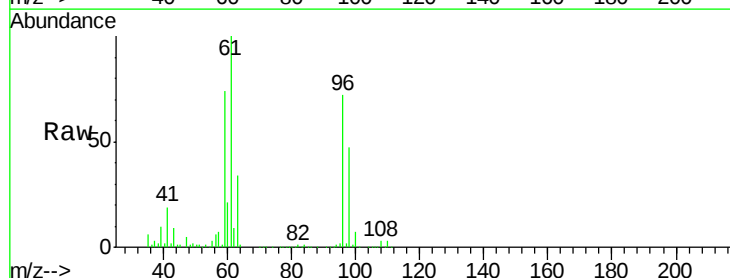
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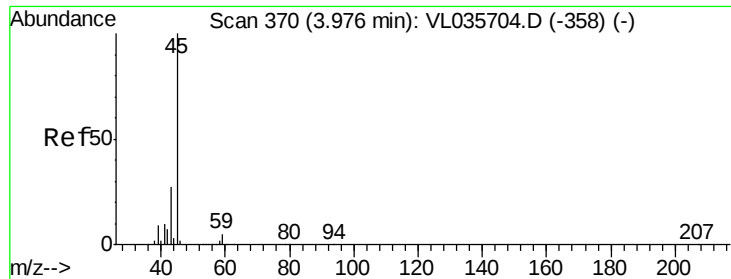


#18

1,1-Dichloroethene
 Concen: 10.002 ppbv
 RT: 4.29 min Scan# 469
 Delta R.T. 0.00 min
 Lab File: VL035722.D
 Acq: 23 Sep 2020 17:47

Tgt Ion: 96 Resp: 893722
 Ion Ratio Lower Upper
 96 100
 61 138.6 106.7 160.1
 98 65.3 50.8 76.2





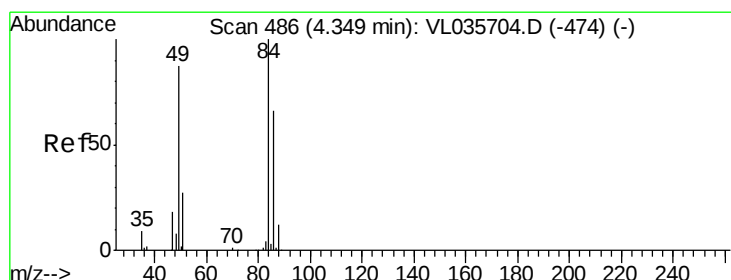
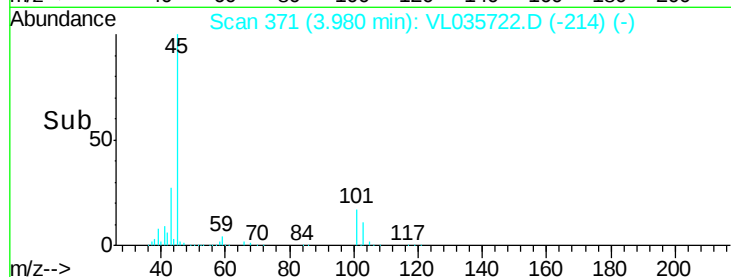
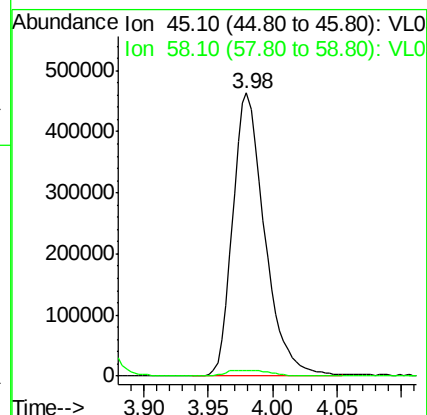
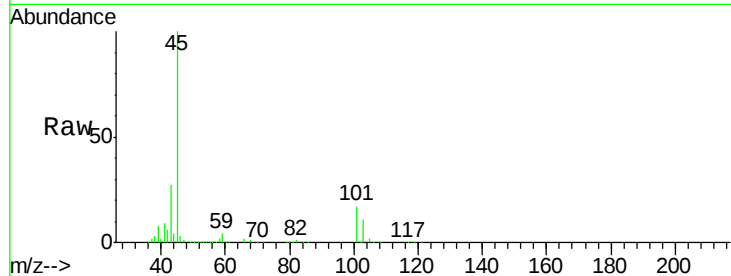
#19
Isopropyl Alcohol
Concen: 11.658 ppbv
RT: 3.98 min Scan# 371
Delta R.T. 0.00 min
Lab File: VL035722.D
Acq: 23 Sep 2020 17:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 45 Resp: 797949
Ion Ratio Lower Upper
45 100
58 3.1 2.8 4.2

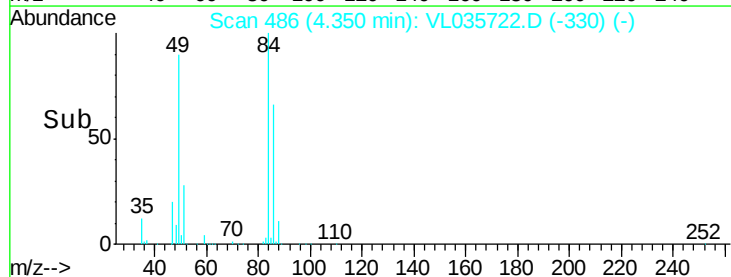
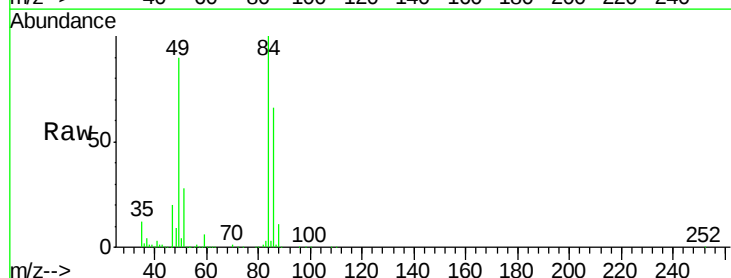
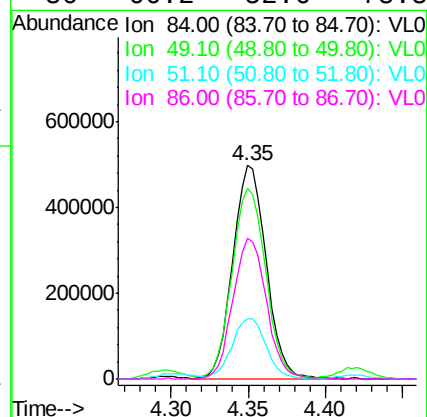
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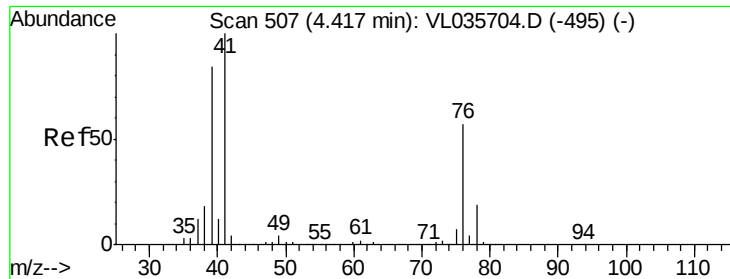
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#20
Methylene Chloride
Concen: 8.019 ppbv
RT: 4.35 min Scan# 486
Delta R.T. 0.00 min
Lab File: VL035722.D
Acq: 23 Sep 2020 17:47

Tgt Ion: 84 Resp: 741206
Ion Ratio Lower Upper
84 100
49 88.5 69.8 104.6
51 27.1 21.8 32.8
86 66.2 52.6 78.8





#21

Allvl Chloride

Concen: 10.338 ppbv

RT: 4.42 min Scan# 507

Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

Instrument :

MSVOA_L

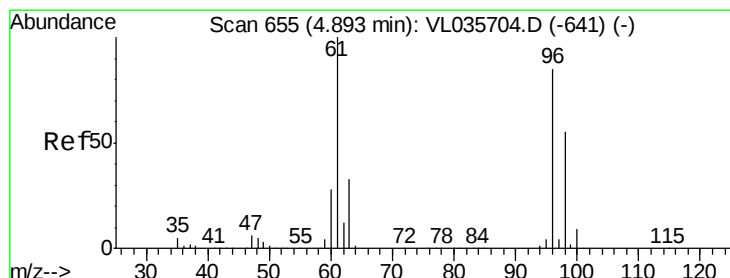
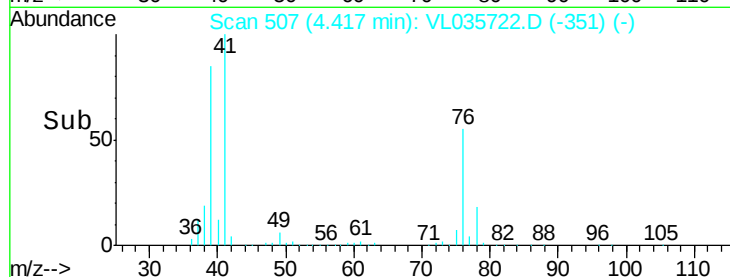
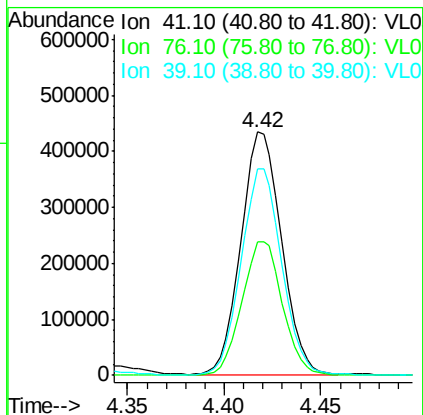
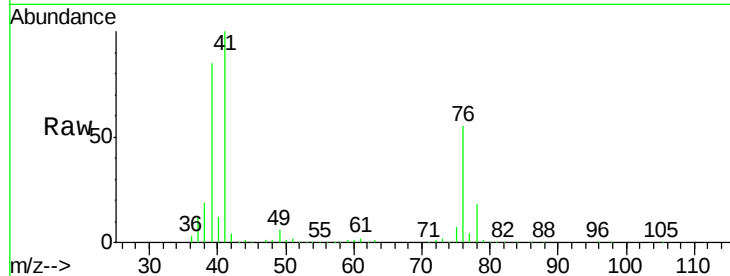
ClientSampleId :

VSTDCCC010EC

Tot Ion:	41	Resp:	630549
Ion	Ratio	Lower	Upper
41	100		
76	55.4	44.8	67.2
39	85.6	68.4	102.6

Manual Integrations
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#22

trans-1,2-Dichloroethene

Concen: 9.889 ppbv

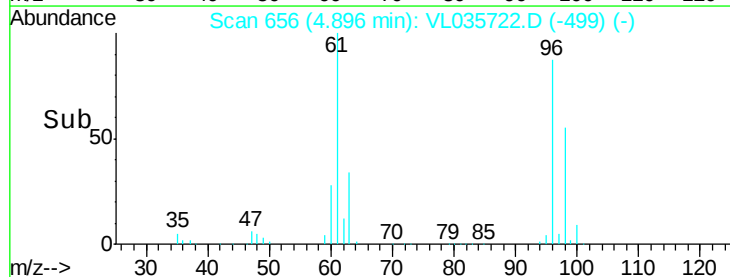
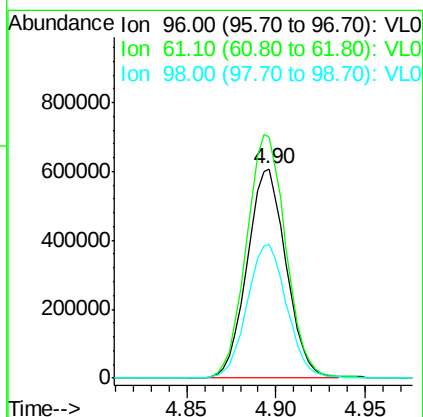
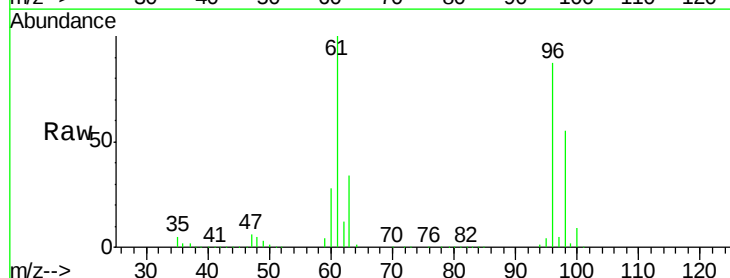
RT: 4.90 min Scan# 656

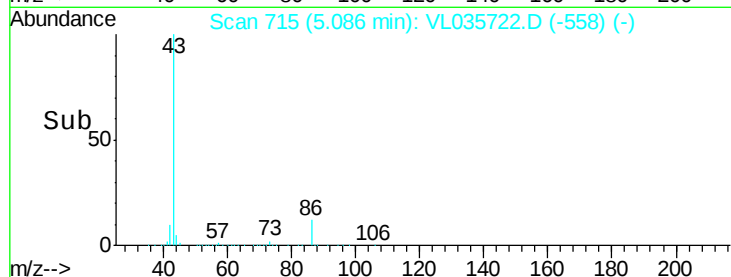
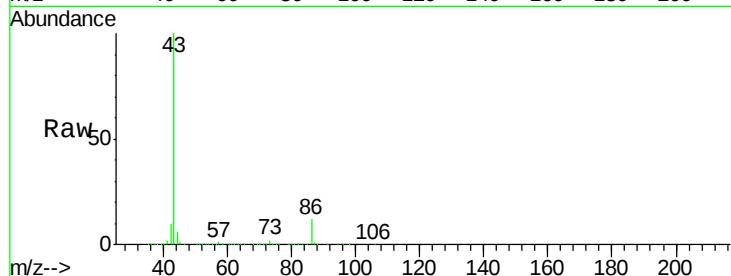
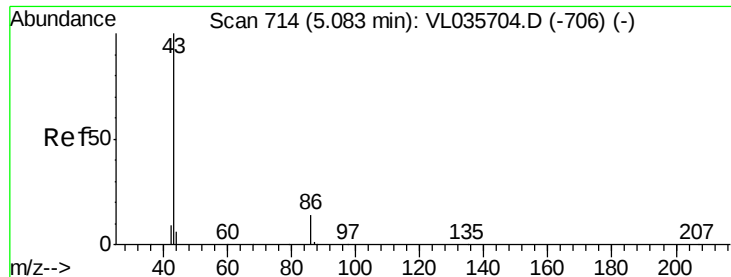
Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

Tgt Ion:	96	Resp:	933587
Ion	Ratio	Lower	Upper
96	100		
61	115.0	93.7	140.5
98	63.6	51.2	76.8





#23

Vinyl Acetate

Concen: 10.601 ppbv

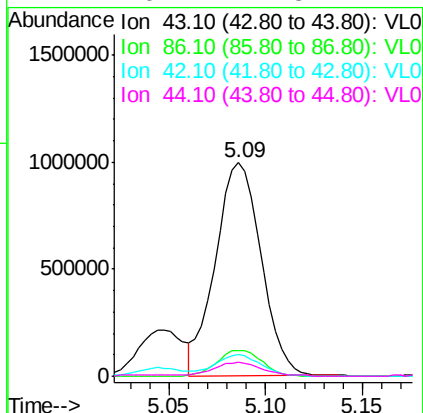
RT: 5.09 min Scan# 715

Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

Tot Ion:	43	Resp:	1633767
Ion	Ratio	Lower	Upper
43	100		
86	12.2	9.7	14.5
42	10.2	7.9	11.9
44	6.2	4.8	7.2



Instrument :

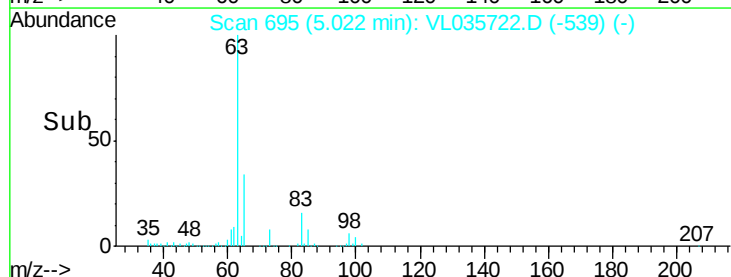
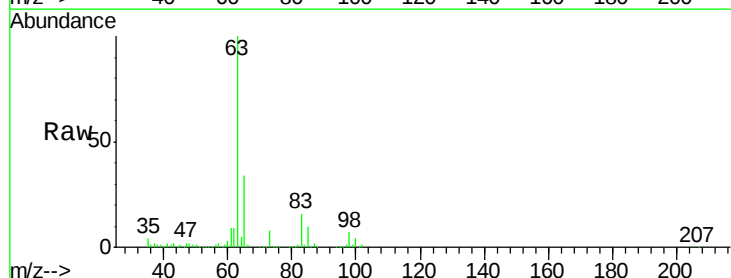
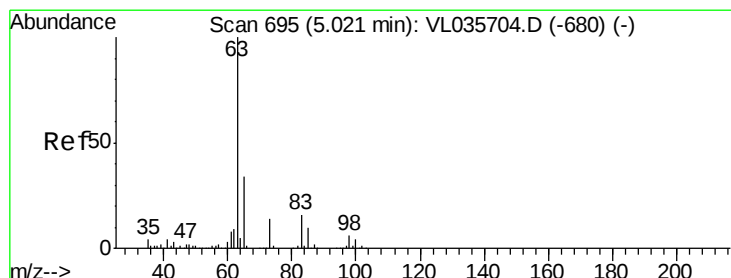
MSVOA_L

ClientSampleId :

VSTDCCC010EC

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#24

1,1-Dichloroethane

Concen: 9.651 ppbv

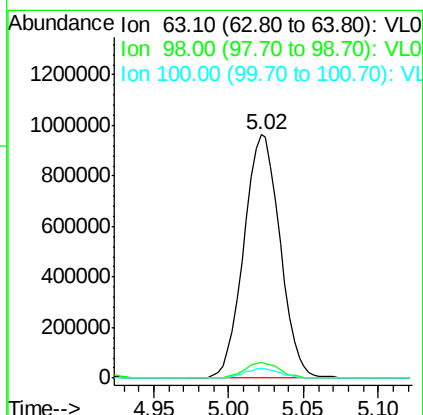
RT: 5.02 min Scan# 695

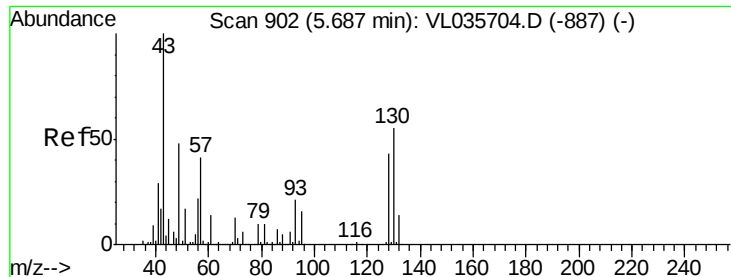
Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

Tgt Ion:	63	Resp:	1620085
Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.3	9.8
100	4.0	2.0	5.8





#25
Ethyl Acetate
Concen: 9.851 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.00 min
Lab File: VL035722.D
Acq: 23 Sep 2020 17:47

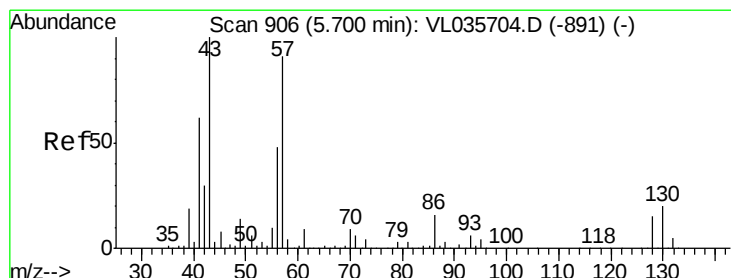
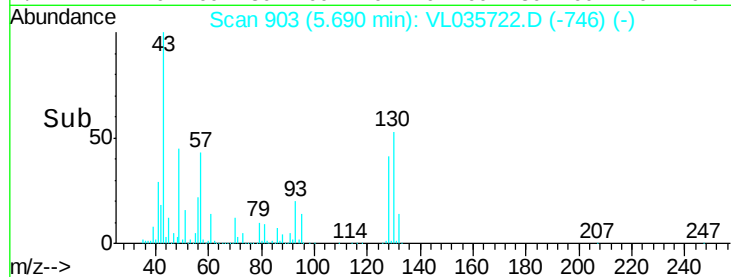
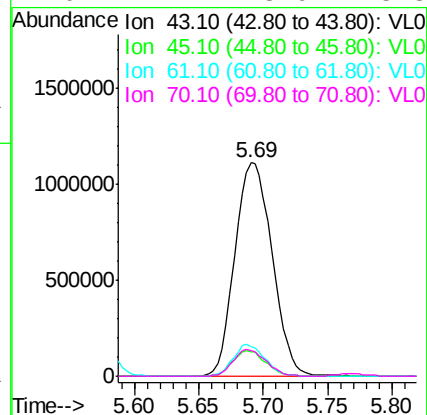
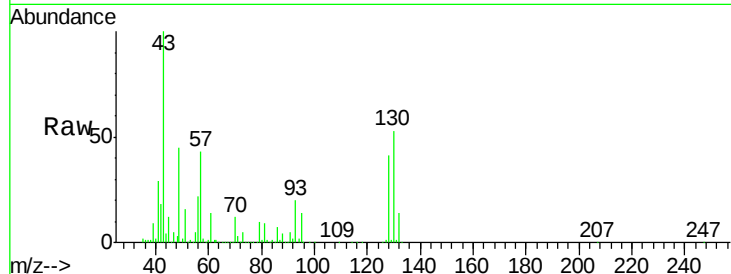
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 2230439

Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.6	12.8
61	12.7	10.4	15.6
70	11.1	8.9	13.3

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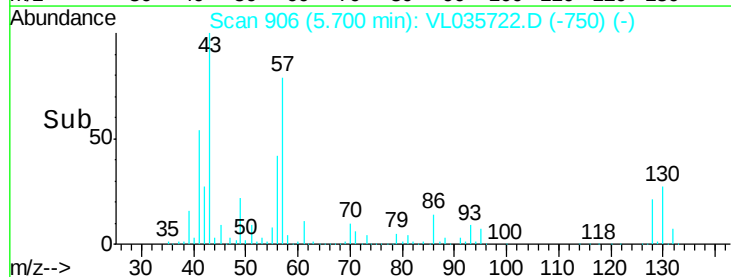
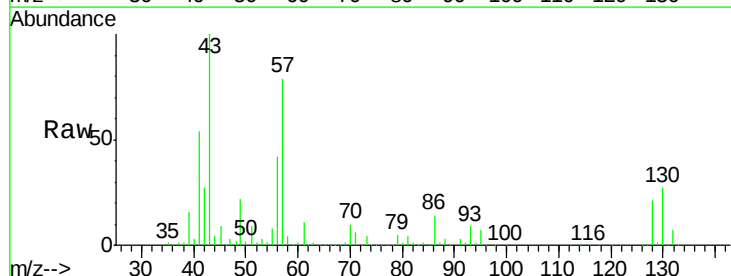
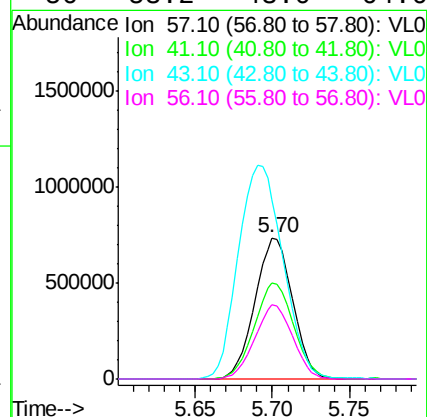
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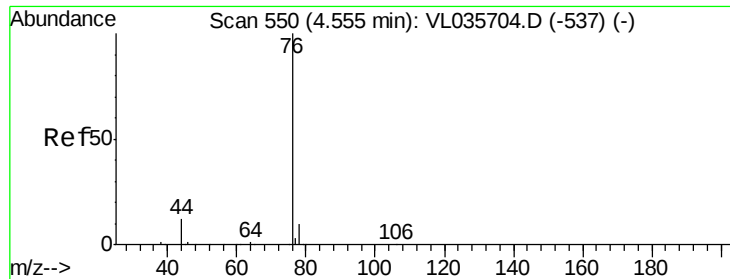


#26
Hexane
Concen: 10.006 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.00 min
Lab File: VL035722.D
Acq: 23 Sep 2020 17:47

Tgt Ion: 57 Resp: 1241489

Ion	Ratio	Lower	Upper
57	100		
41	72.0	57.9	86.9
43	180.4	143.8	215.6
56	53.2	43.0	64.6





#27

Carbon Disulfide

Concen: 10.650 ppbv

RT: 4.56 min Scan# 550

Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1969558

Ion Ratio Lower Upper

76 100

44 11.8 9.7 14.5

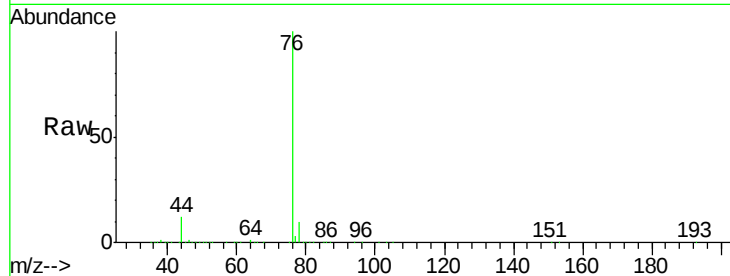
78 9.7 7.8 11.8

Manual Integrations

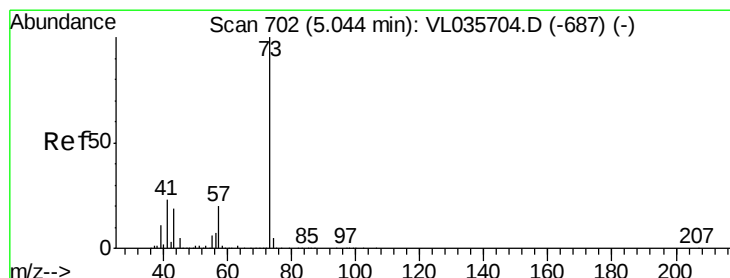
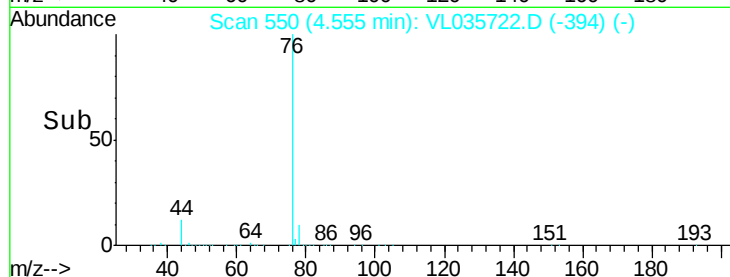
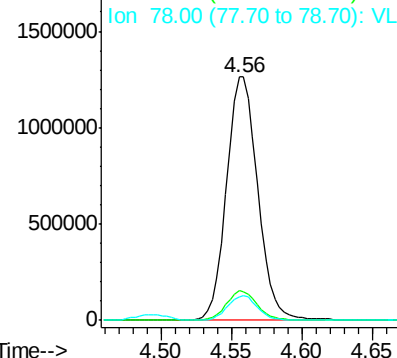
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Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.521 ppbv

RT: 5.05 min Scan# 703

Delta R.T. 0.00 min

Lab File: VL035722.D

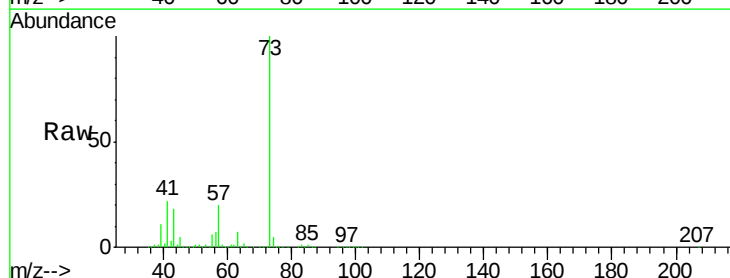
Acq: 23 Sep 2020 17:47

Tgt Ion: 73 Resp: 2069160

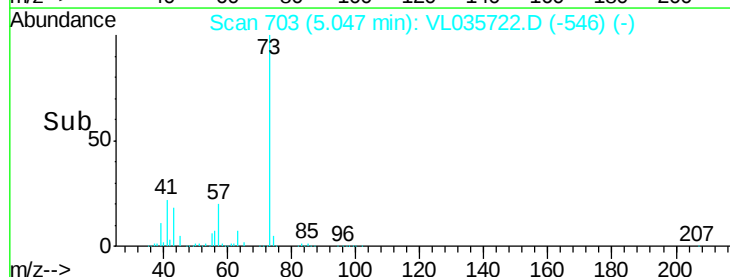
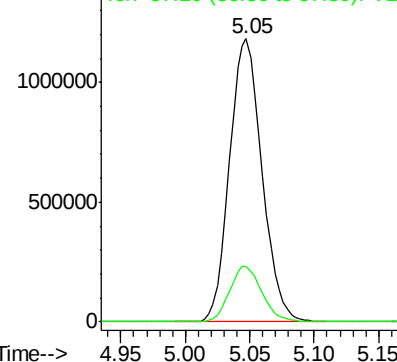
Ion Ratio Lower Upper

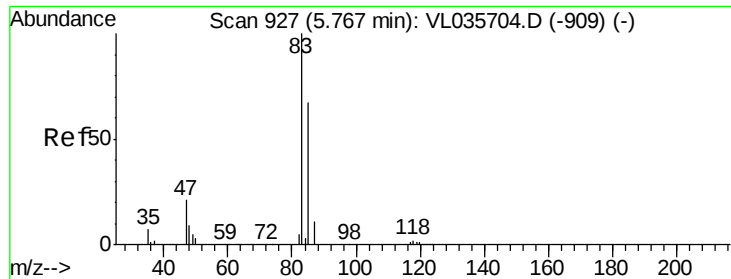
73 100

57 19.7 15.6 23.4



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





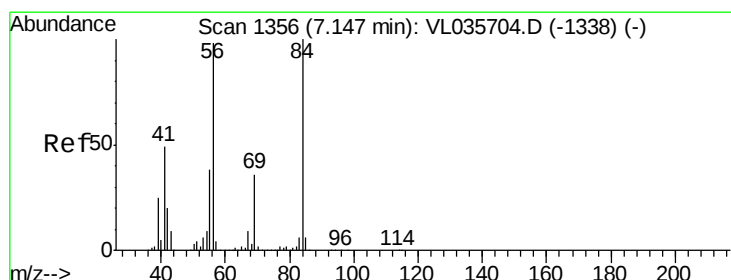
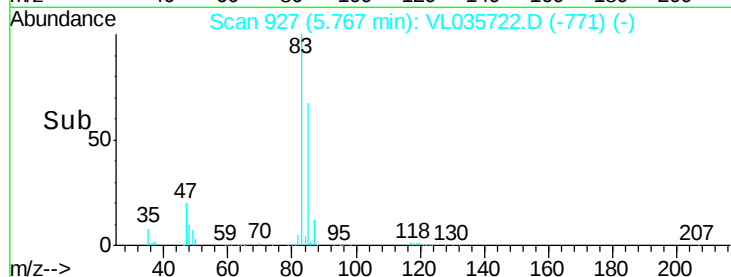
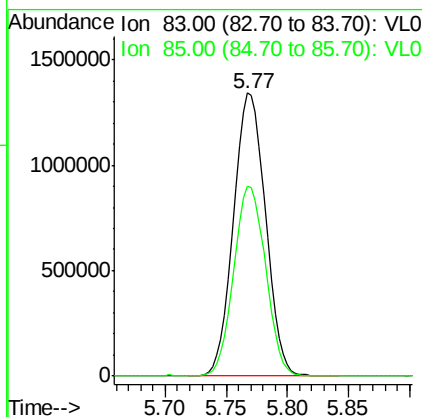
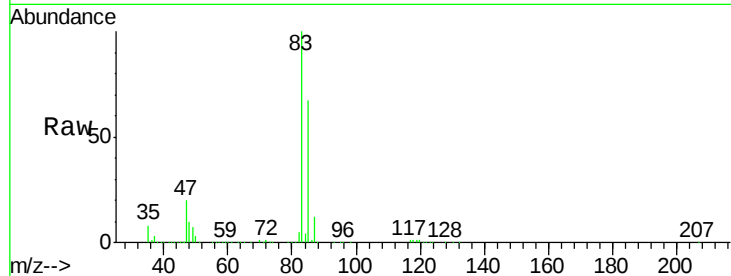
#29
Chloroform
Concen: 9.719 ppbv
RT: 5.77 min Scan# 927
Delta R.T. 0.00 min
Lab File: VL035722.D
Acq: 23 Sep 2020 17:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 2448841
Ion Ratio Lower Upper
83 100
85 67.0 54.0 81.0

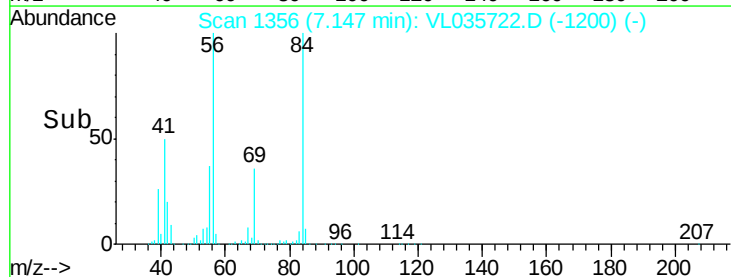
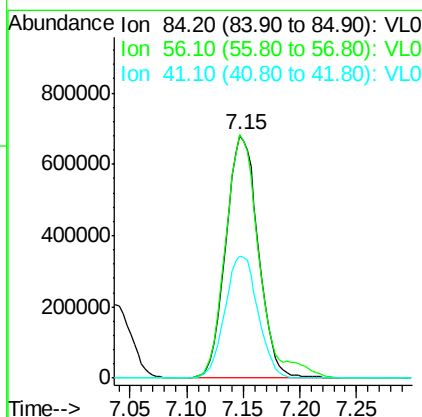
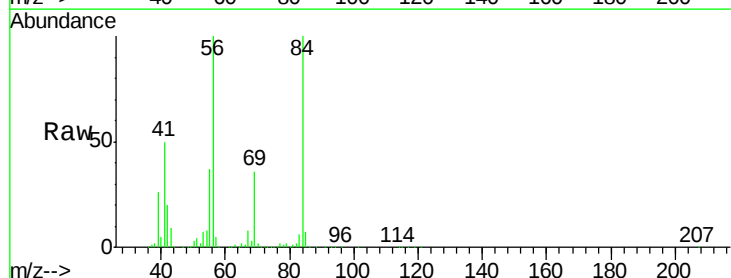
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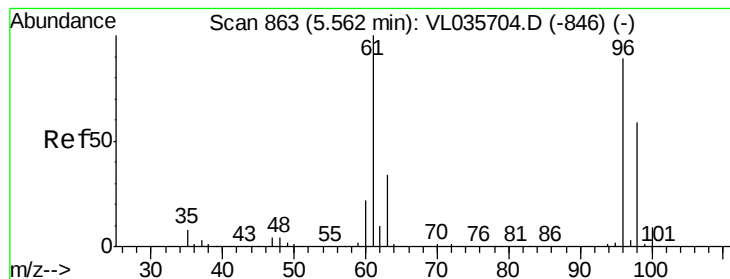
MMDadoda
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#30
Cyclohexane
Concen: 11.065 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. 0.00 min
Lab File: VL035722.D
Acq: 23 Sep 2020 17:47

Tgt Ion: 84 Resp: 1354477
Ion Ratio Lower Upper
84 100
56 104.8 84.6 127.0
41 51.1 41.1 61.7





#31

cis-1,2-Dichloroethene

Concen: 10.934 ppbv

RT: 5.56 min Scan# 864

Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 61 Resp: 1309590

Ion Ratio Lower Upper

61 100

96 87.5 71.4 107.2

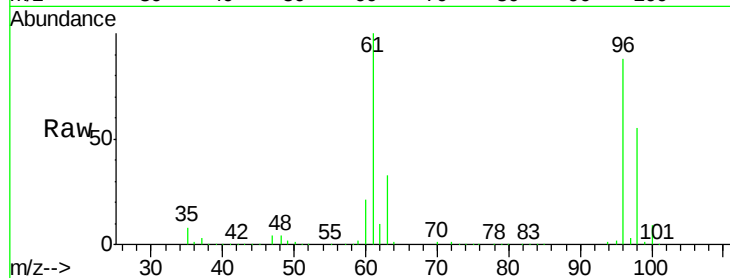
98 55.0 47.4 71.2

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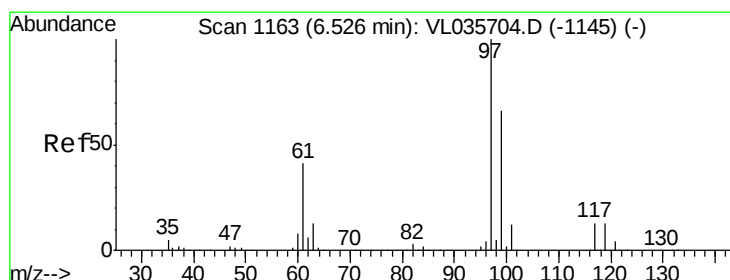
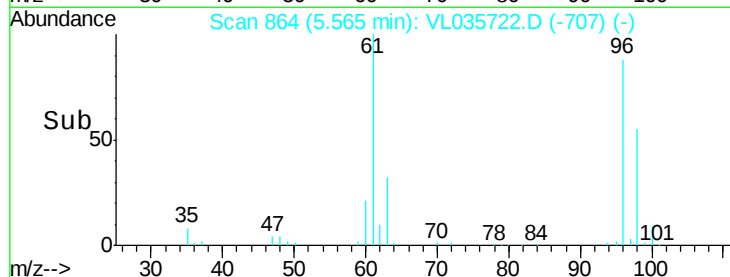
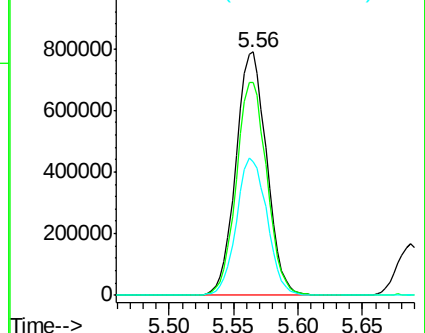
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Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 10.581 ppbv

RT: 6.53 min Scan# 1164

Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

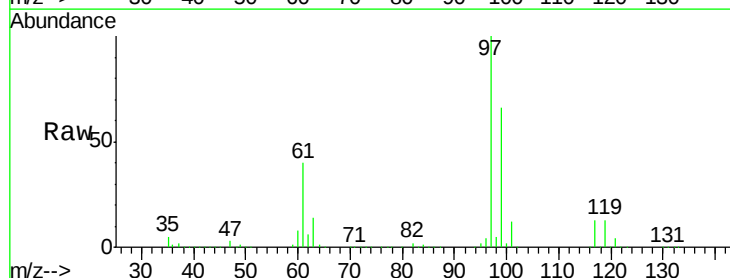
Tgt Ion: 97 Resp: 2350146

Ion Ratio Lower Upper

97 100

99 65.5 52.7 79.1

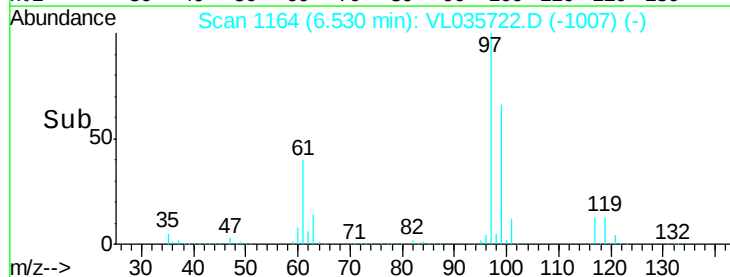
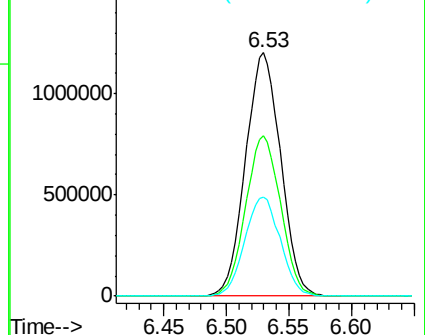
61 41.2 32.7 49.1

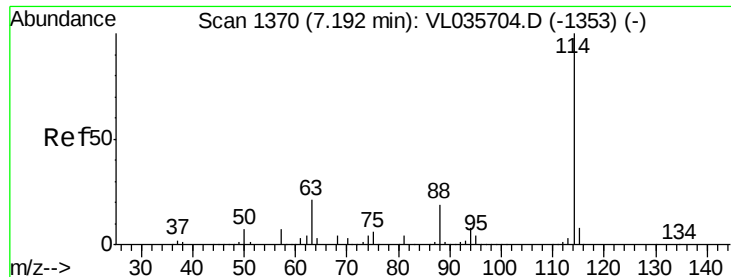


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0





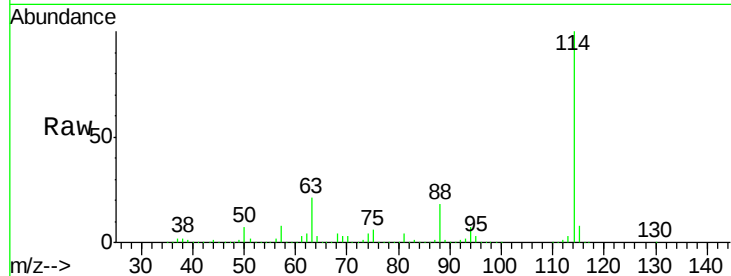
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1371
 Delta R.T. 0.00 min
 Lab File: VL035722.D
 Acq: 23 Sep 2020 17:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

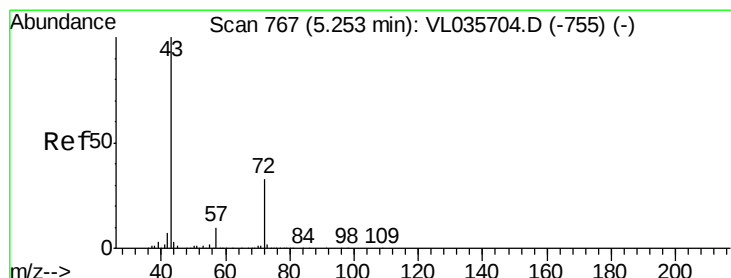
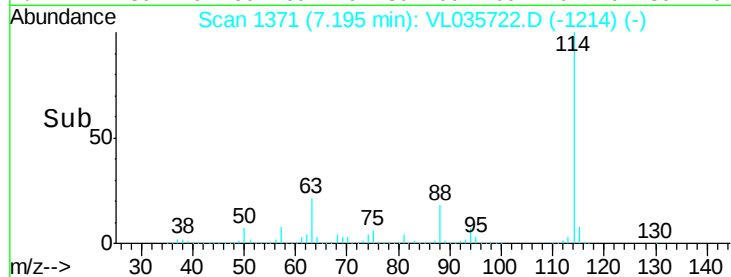
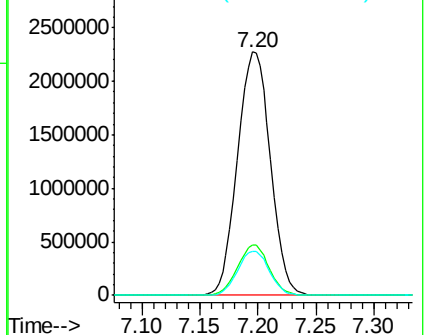
Tot Ion:114 Resp: 4488974
 Ion Ratio Lower Upper
 114 100
 63 20.1 16.1 24.1
 88 17.5 14.1 21.1

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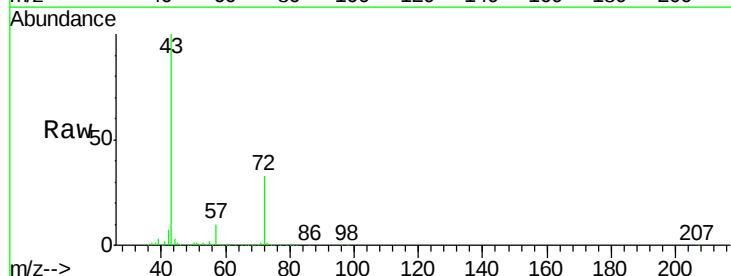


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

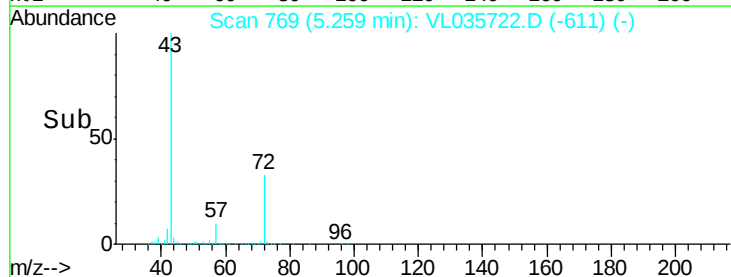
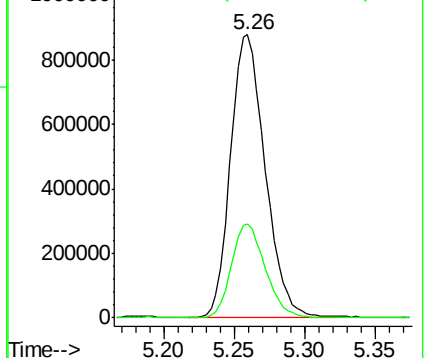


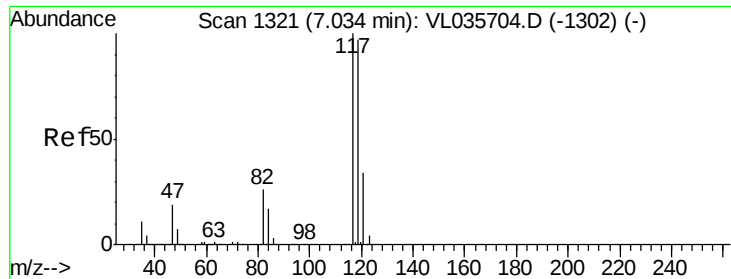
#34
 2-Butanone
 Concen: 10.160 ppbv
 RT: 5.26 min Scan# 769
 Delta R.T. 0.01 min
 Lab File: VL035722.D
 Acq: 23 Sep 2020 17:47

Tgt Ion: 43 Resp: 1508480
 Ion Ratio Lower Upper
 43 100
 72 32.7 26.1 39.1



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 10.400 ppbv

RT: 7.04 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 2434029

Ion Ratio Lower Upper

117 100

119 97.4 77.7 116.5

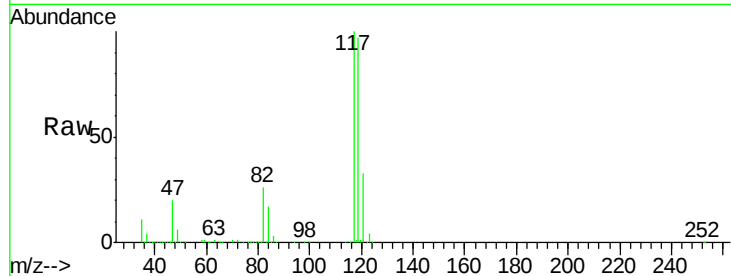
121 32.7 26.9 40.3

Manual Integrations

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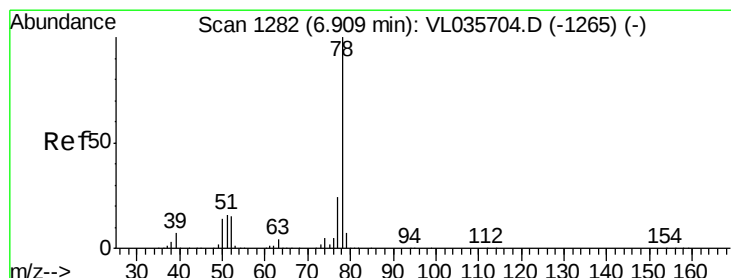
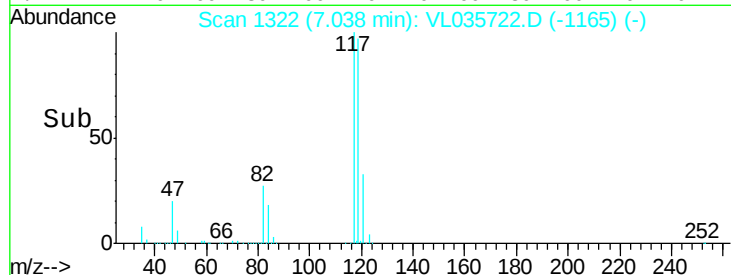
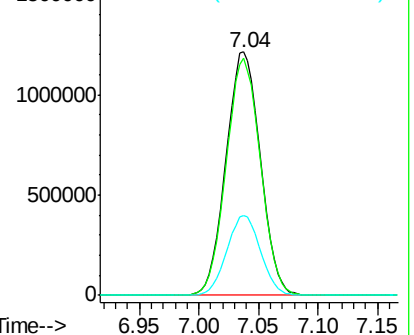
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.495 ppbv

RT: 6.91 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

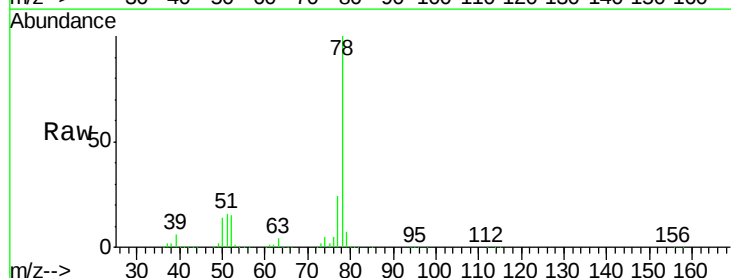
Tgt Ion: 78 Resp: 3069822

Ion Ratio Lower Upper

78 100

77 24.2 19.3 28.9

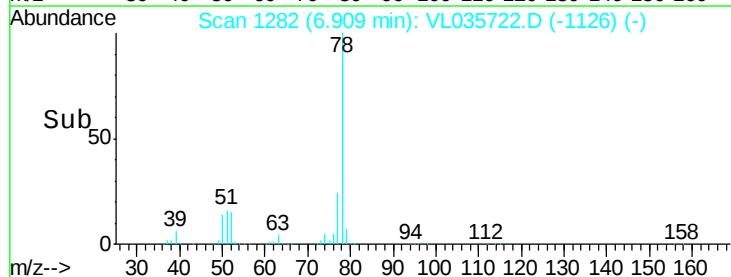
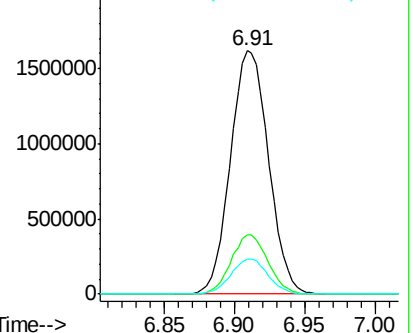
50 14.2 11.6 17.4

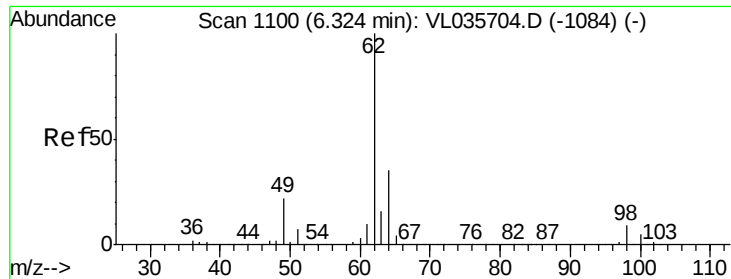


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





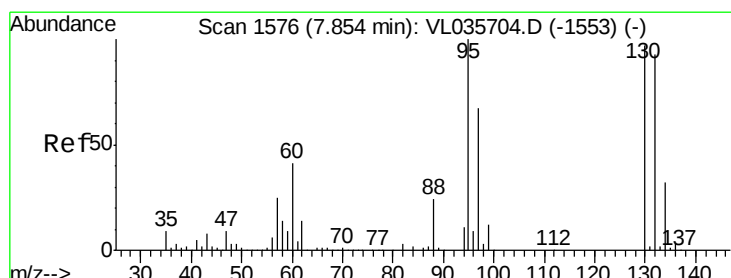
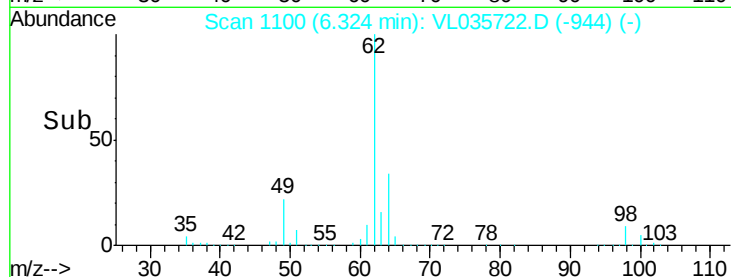
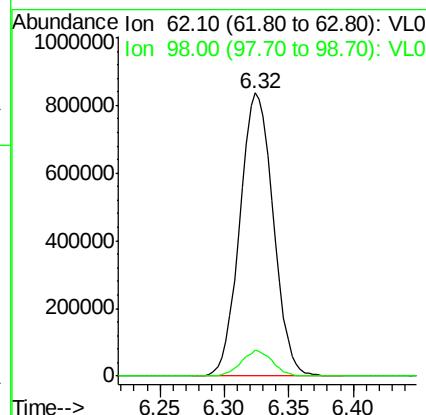
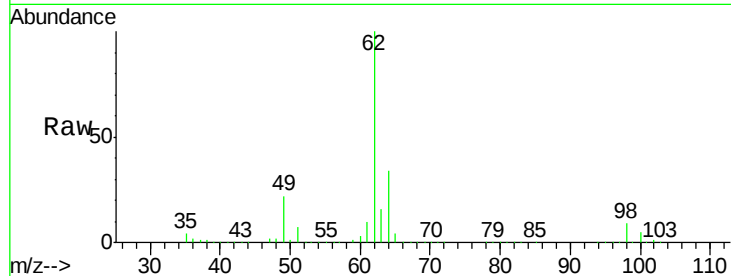
#37
1,2-Dichloroethane
Concen: 9.902 ppbv
RT: 6.32 min Scan# 1100
Delta R.T. 0.00 min
Lab File: VL035722.D
Acq: 23 Sep 2020 17:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 62 Resp: 1509596
Ion Ratio Lower Upper
62 100
98 8.6 6.9 10.3

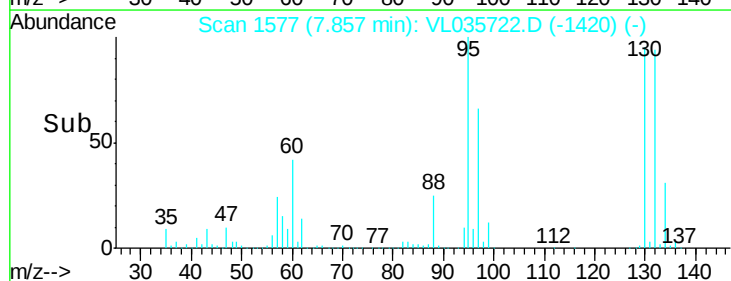
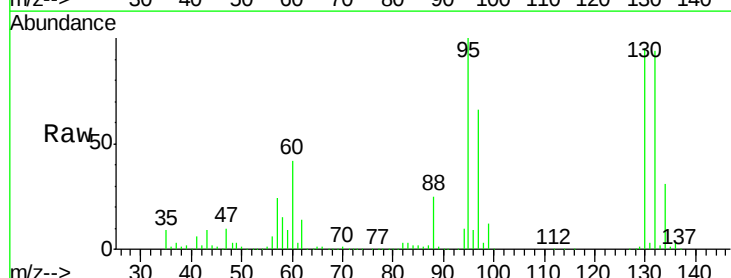
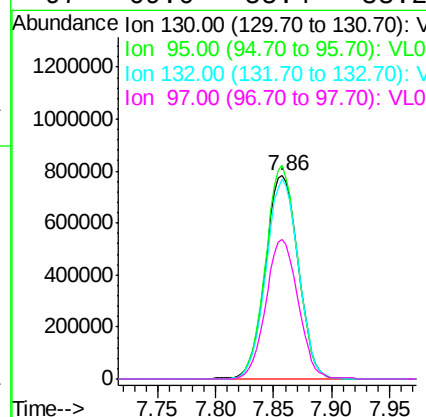
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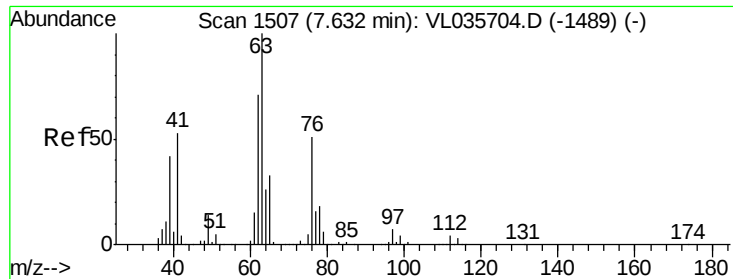
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#38
Trichloroethene
Concen: 10.592 ppbv
RT: 7.86 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VL035722.D
Acq: 23 Sep 2020 17:47

Tgt Ion: 130 Resp: 1545549
Ion Ratio Lower Upper
130 100
95 105.2 82.4 123.6
132 98.5 76.8 115.2
97 69.0 55.4 83.2





#39

1,2-Dichloropropane

Concen: 10.033 ppbv

RT: 7.64 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 63 Resp: 1063688

Ion Ratio Lower Upper

63 100

41 55.1 42.6 63.8

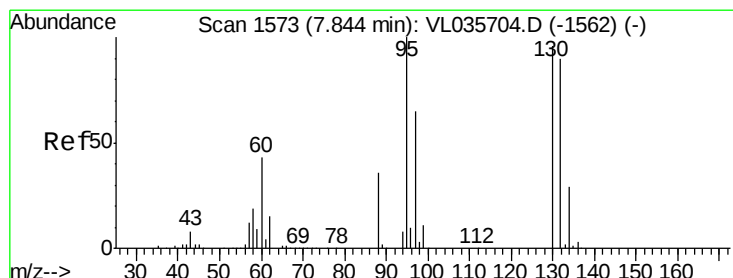
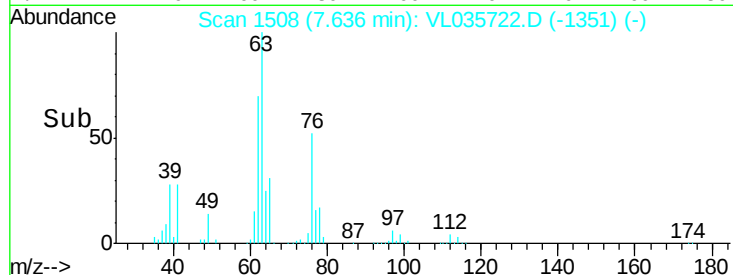
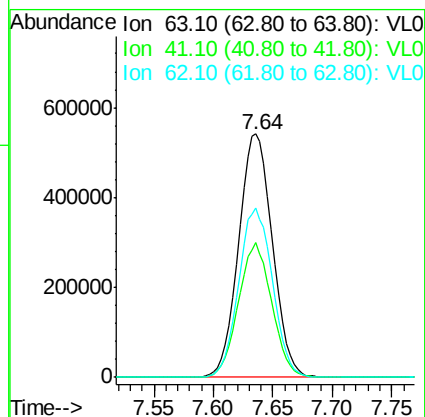
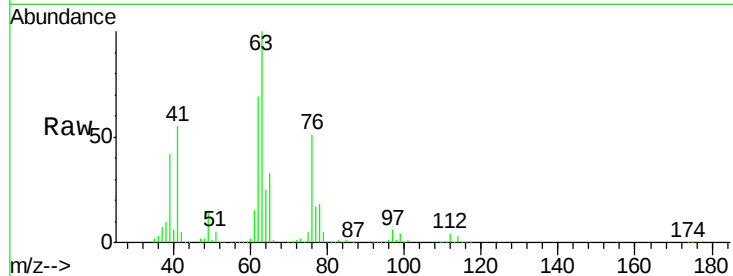
62 69.5 56.5 84.7

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#40

1,4-Dioxane

Concen: 10.946 ppbv

RT: 7.85 min Scan# 1576

Delta R.T. 0.01 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

Tgt Ion: 88 Resp: 530729

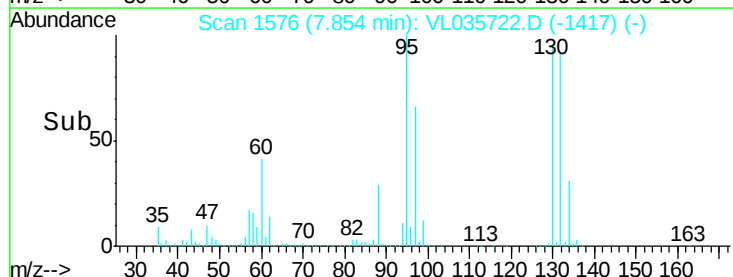
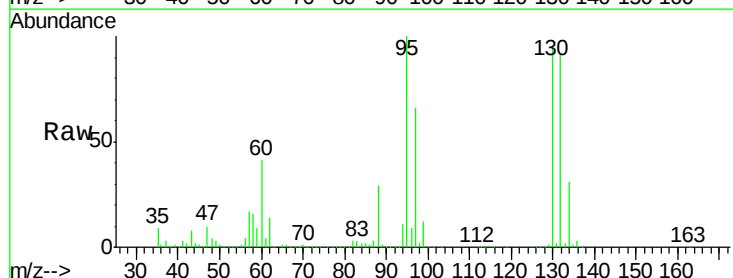
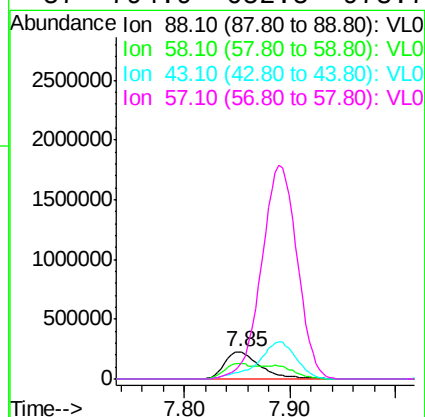
Ion Ratio Lower Upper

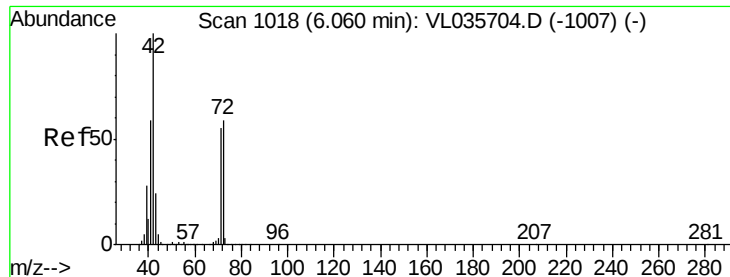
88 100

58 96.5 76.2 114.4

43 149.4 123.4 185.2

57 794.9 652.5 978.7





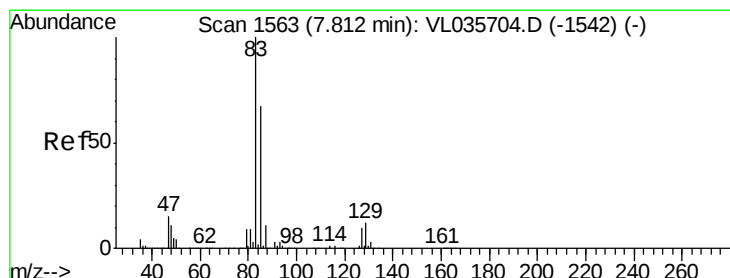
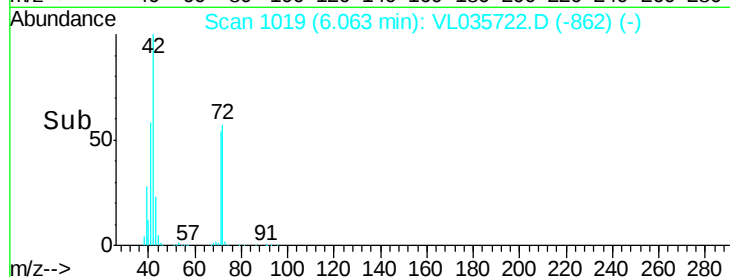
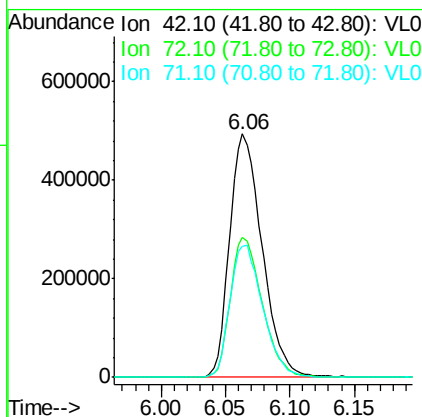
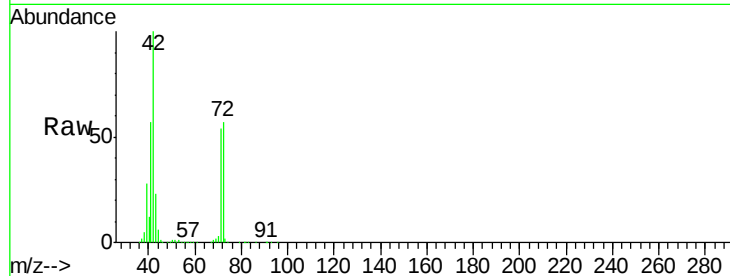
#41
Tetrahydrofuran
Concen: 11.555 ppbv
RT: 6.06 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VL035722.D
Acq: 23 Sep 2020 17:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	56.8	46.2	69.4
71	55.1	44.2	66.4

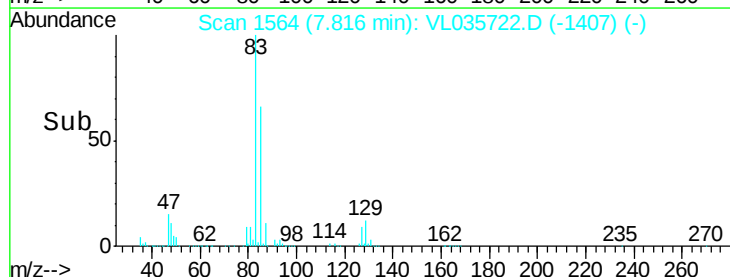
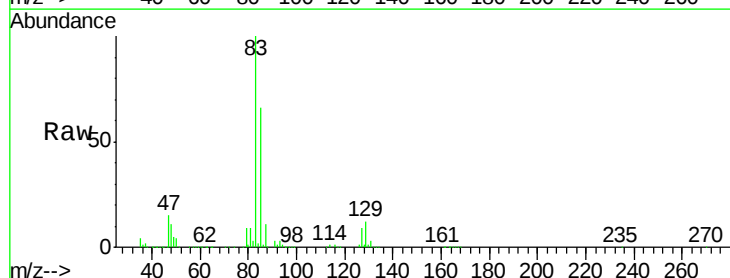
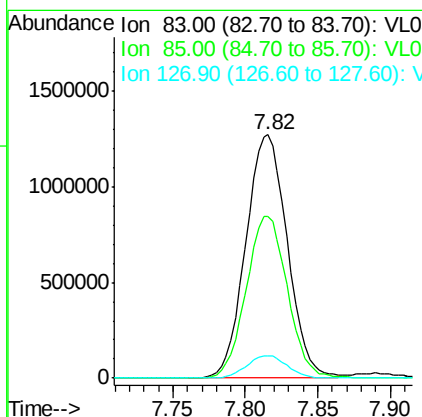
Manual Integrations
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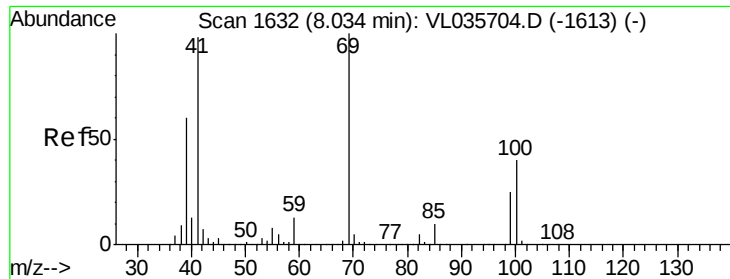
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#42
Bromodichloromethane
Concen: 10.323 ppbv
RT: 7.82 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VL035722.D
Acq: 23 Sep 2020 17:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	53.4	80.0
127	9.1	7.8	11.6





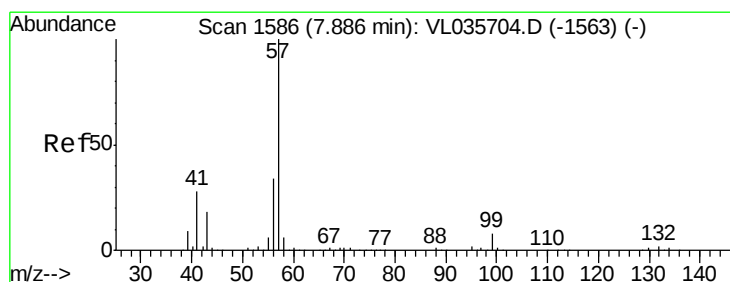
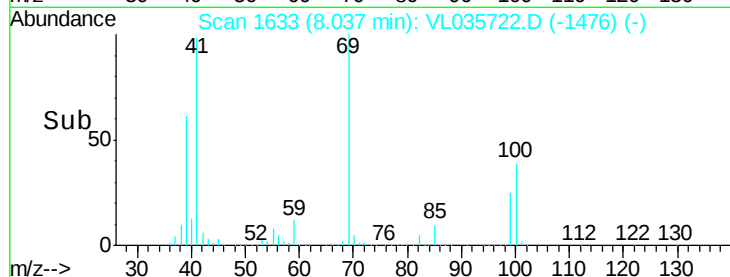
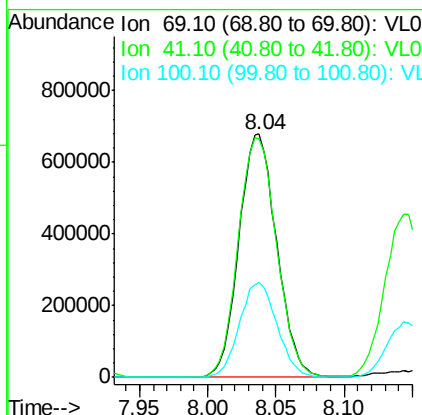
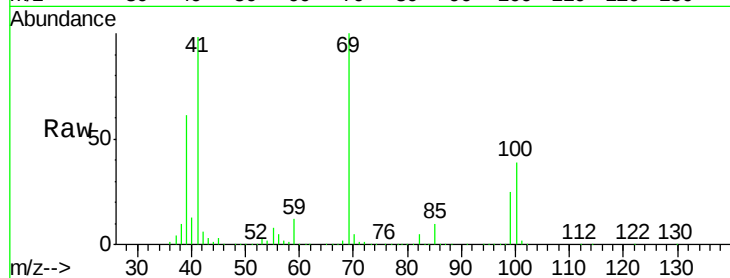
#43
Methvl Methacrilate
Concen: 11.217 ppbv
RT: 8.04 min Scan# 1633
Delta R.T. 0.00 min
Lab File: VL035722.D
Acq: 23 Sep 2020 17:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 69 Resp: 1304850
Ion Ratio Lower Upper
69 100
41 100.4 79.8 119.6
100 38.9 30.6 46.0

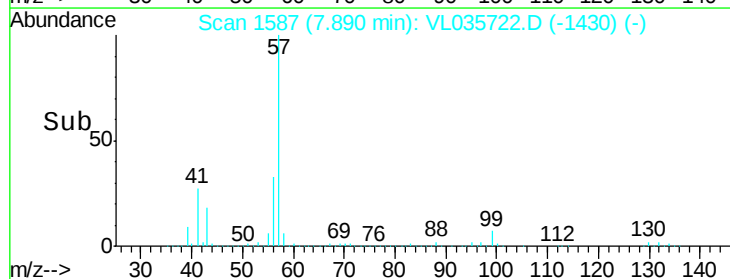
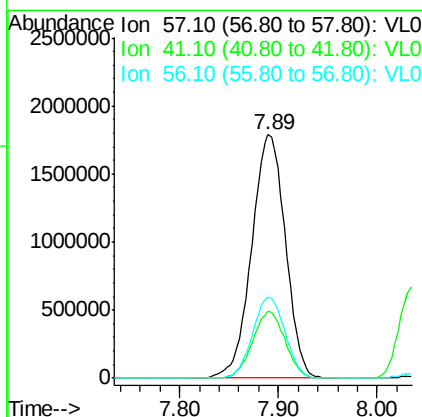
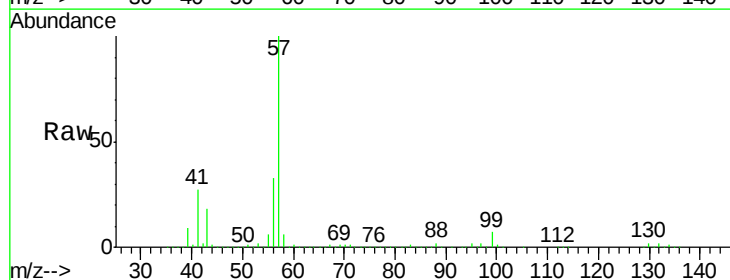
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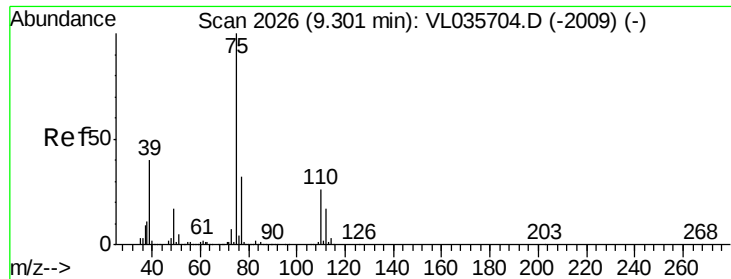
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#44
2,2,4-Trimethylpentane
Concen: 10.044 ppbv
RT: 7.89 min Scan# 1587
Delta R.T. 0.00 min
Lab File: VL035722.D
Acq: 23 Sep 2020 17:47

Tgt Ion: 57 Resp: 4215773
Ion Ratio Lower Upper
57 100
41 26.4 21.2 31.8
56 32.0 25.8 38.8





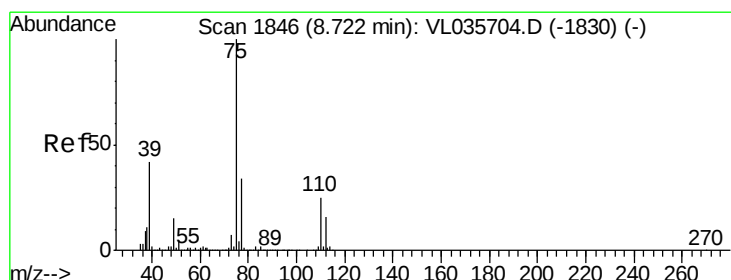
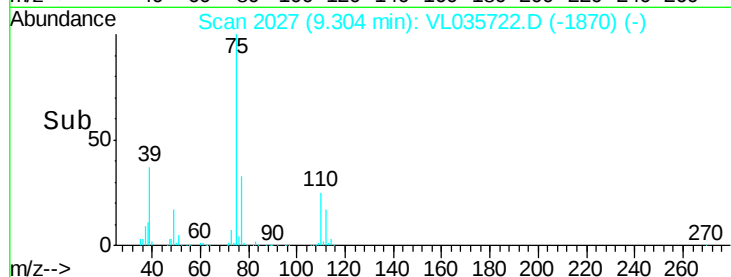
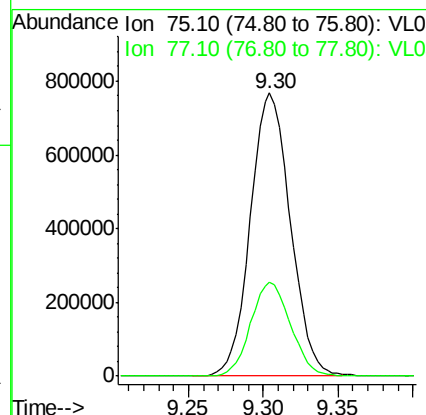
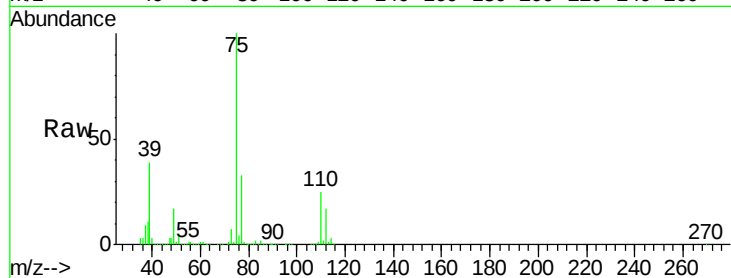
#45
t-1,3-Dichloropropene
Concen: 12.154 ppbv
RT: 9.30 min Scan# 2027
Delta R.T. 0.00 min
Lab File: VL035722.D
Acq: 23 Sep 2020 17:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 75 Resp: 1427519
Ion Ratio Lower Upper
75 100
77 33.3 25.9 38.9

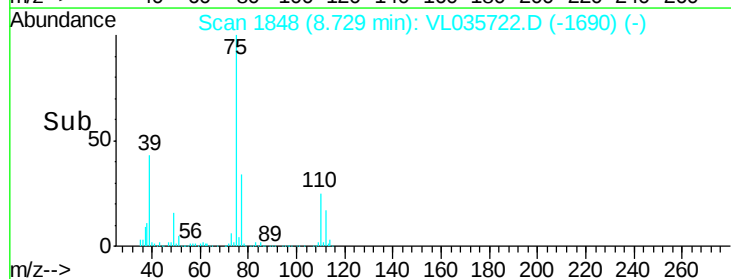
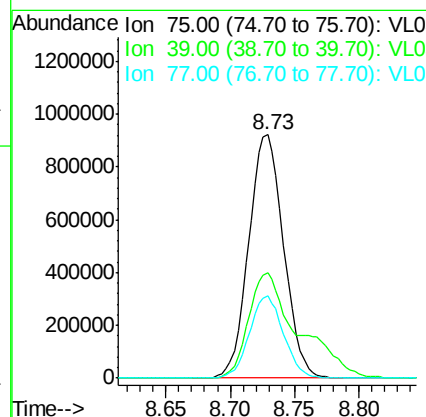
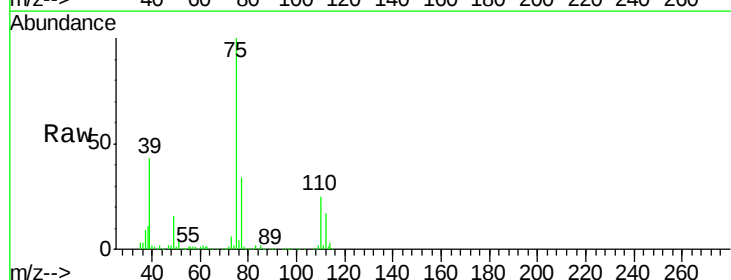
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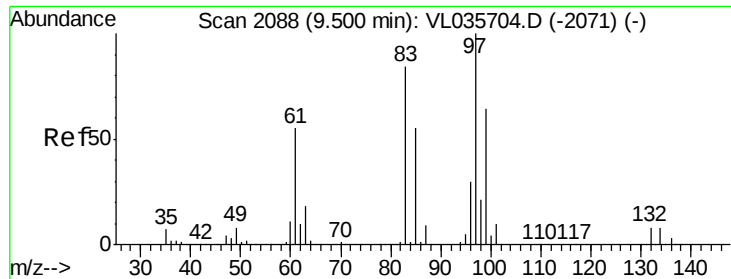
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#46
cis-1,3-Dichloropropene
Concen: 11.995 ppbv
RT: 8.73 min Scan# 1848
Delta R.T. 0.01 min
Lab File: VL035722.D
Acq: 23 Sep 2020 17:47

Tgt Ion: 75 Resp: 1736662
Ion Ratio Lower Upper
75 100
39 43.1 33.9 50.9
77 33.8 27.4 41.0





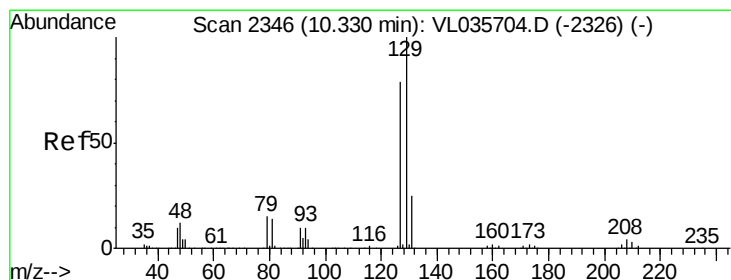
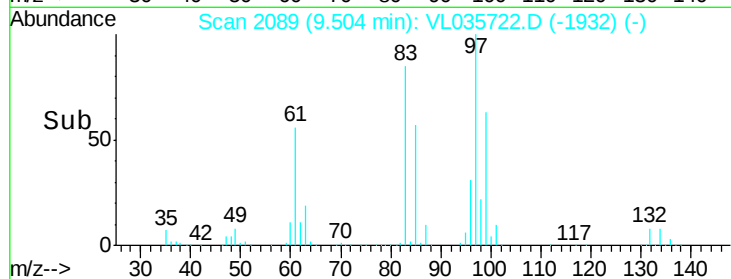
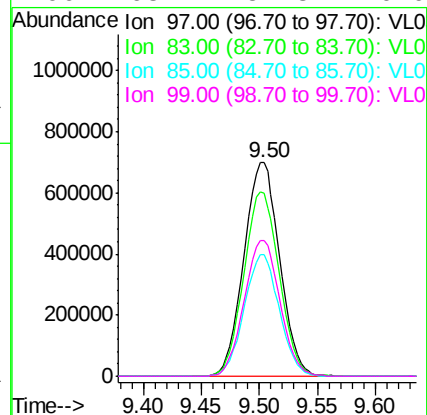
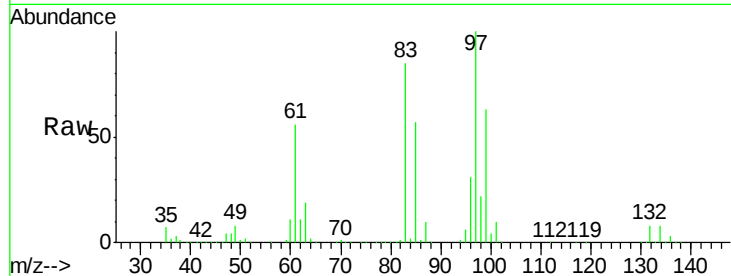
#47
 1,1,2-Trichloroethane
 Concen: 9.871 ppbv
 RT: 9.50 min Scan# 2089
 Delta R.T. 0.00 min
 Lab File: VL035722.D
 Acq: 23 Sep 2020 17:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	85.5	67.1	100.7	
85	56.7	43.9	65.9	
99	63.4	51.3	76.9	

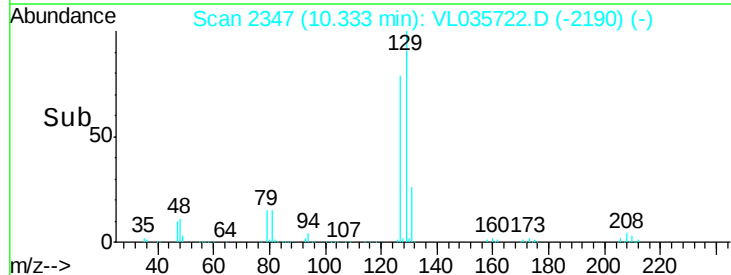
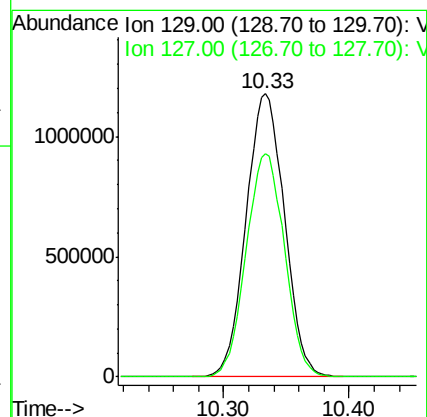
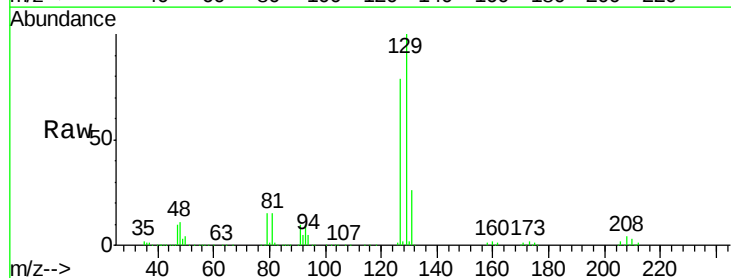
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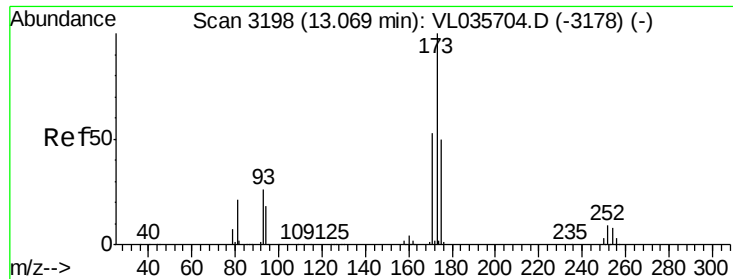
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#48
 Dibromochloromethane
 Concen: 10.848 ppbv
 RT: 10.33 min Scan# 2347
 Delta R.T. 0.00 min
 Lab File: VL035722.D
 Acq: 23 Sep 2020 17:47

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	79.0	39.4	118.1	





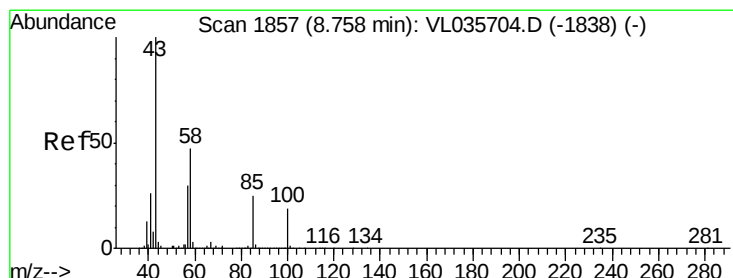
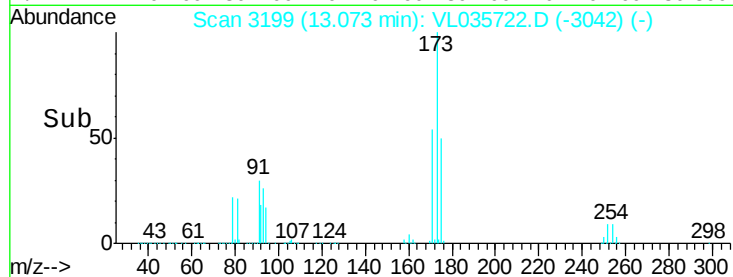
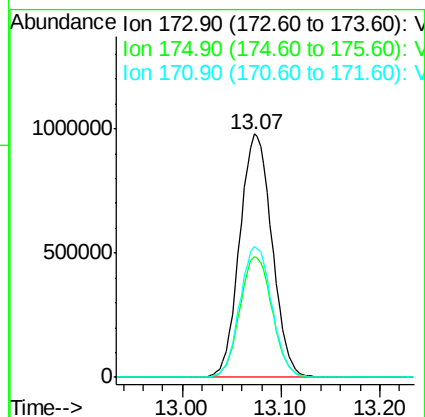
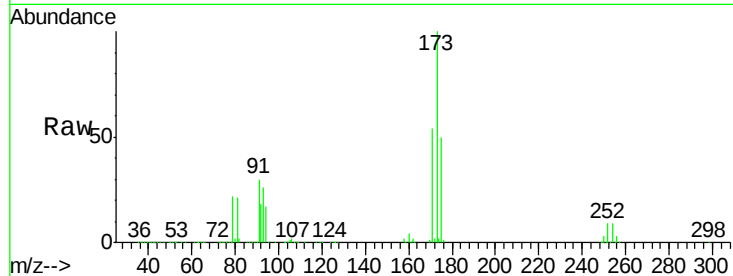
#49
Bromoform
Concen: 11.321 ppbv
RT: 13.07 min Scan# 3199
Delta R.T. 0.00 min
Lab File: VL035722.D
Acq: 23 Sep 2020 17:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:173 Resp: 2220013
Ion Ratio Lower Upper
173 100
175 49.8 39.8 59.6
171 53.6 42.8 64.2

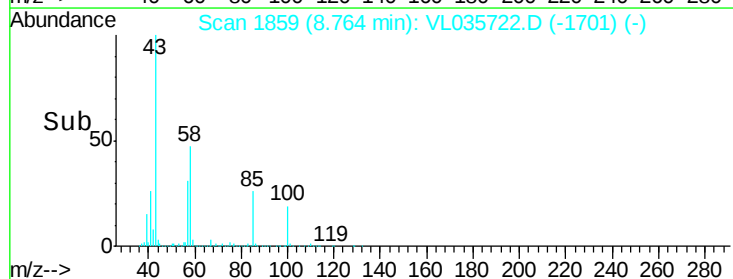
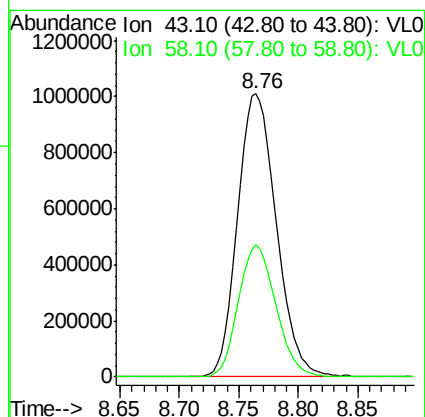
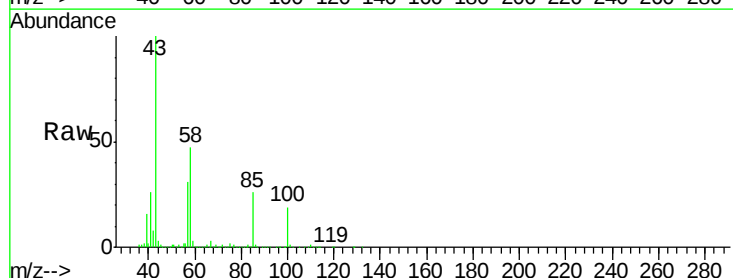
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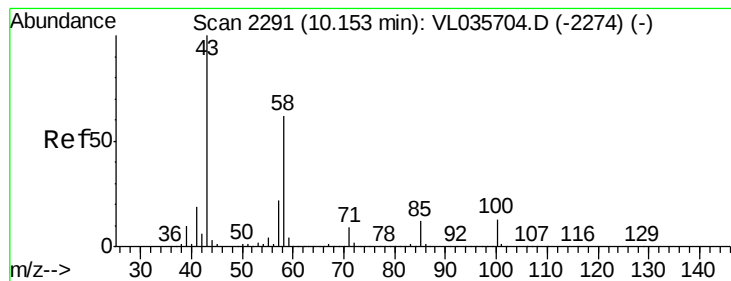
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#50
4-Methyl-2-Pentanone
Concen: 10.503 ppbv
RT: 8.76 min Scan# 1859
Delta R.T. 0.01 min
Lab File: VL035722.D
Acq: 23 Sep 2020 17:47

Tgt Ion: 43 Resp: 2277728
Ion Ratio Lower Upper
43 100
58 45.3 36.6 54.8





#51

2-Hexanone

Concen: 10.897 ppbv

RT: 10.16 min Scan# 2293

Delta R.T. 0.01 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1903961

Ion Ratio Lower Upper

43 100

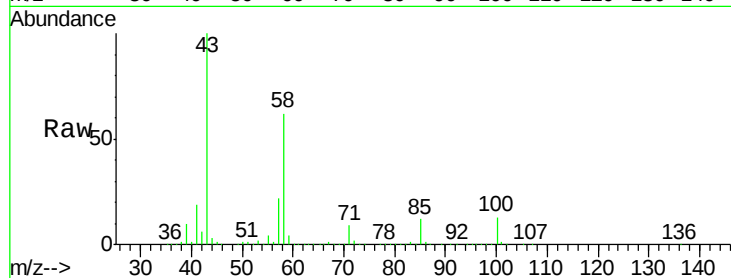
58 60.6 48.7 73.1

98 0.7 0.7 1.1

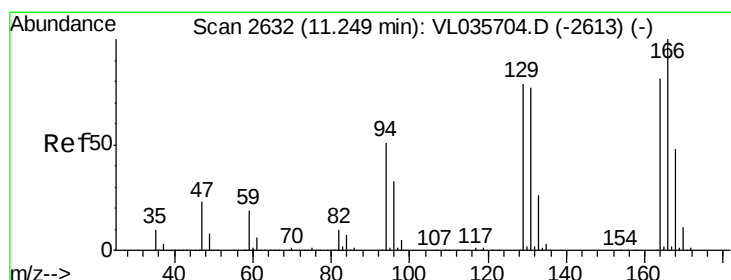
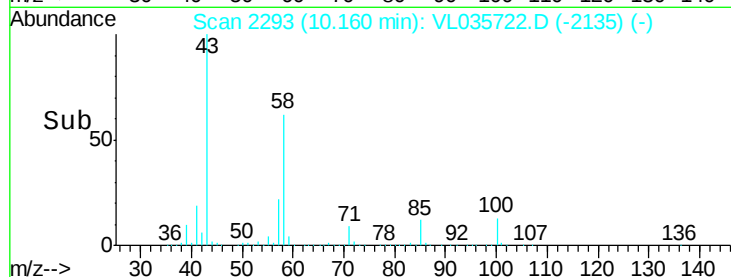
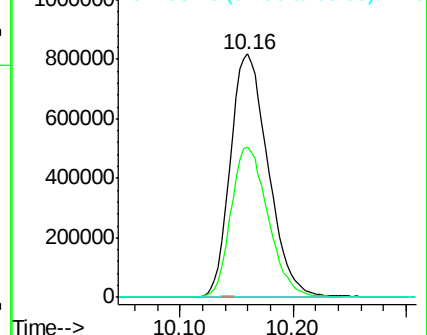
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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 10.281 ppbv

RT: 11.25 min Scan# 2633

Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

Tgt Ion: 164 Resp: 1446090

Ion Ratio Lower Upper

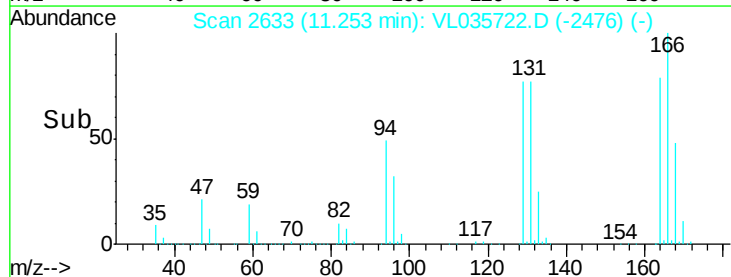
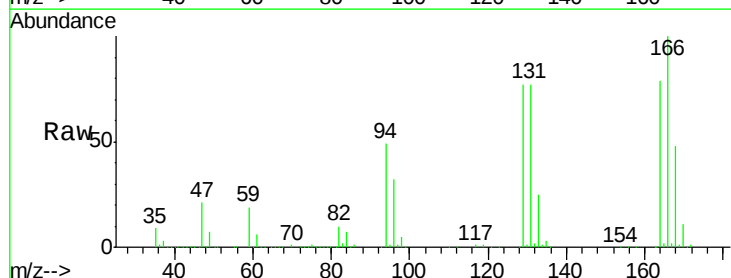
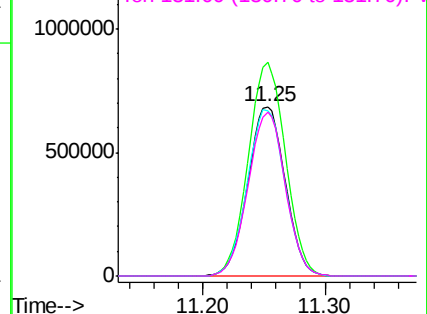
164 100

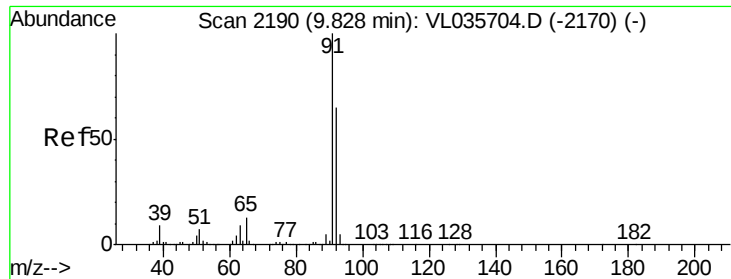
166 126.1 98.7 148.1

129 97.1 78.4 117.6

131 96.4 76.2 114.2

Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 11.168 ppbv

RT: 9.83 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 3852018

Ion Ratio Lower Upper

91 100

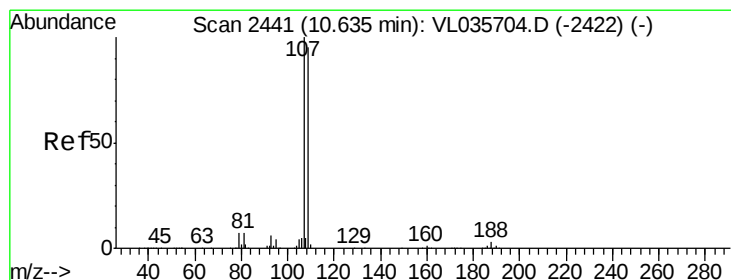
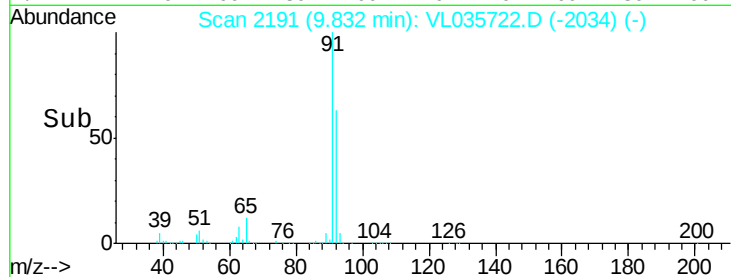
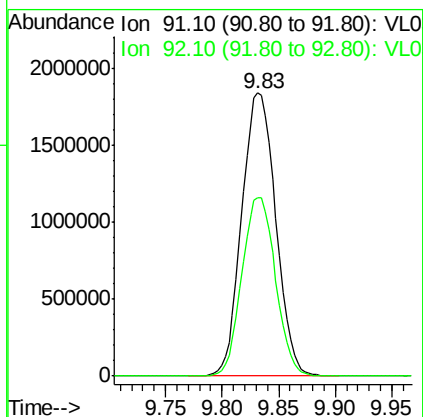
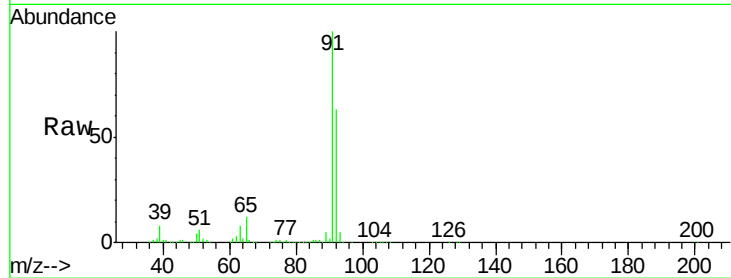
92 62.3 50.0 75.0

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#54

1,2-Dibromoethane

Concen: 10.291 ppbv

RT: 10.64 min Scan# 2442

Delta R.T. 0.00 min

Lab File: VL035722.D

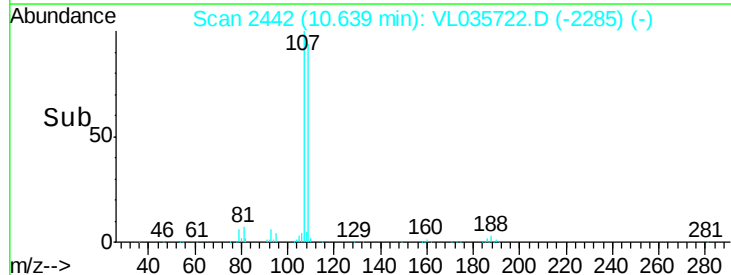
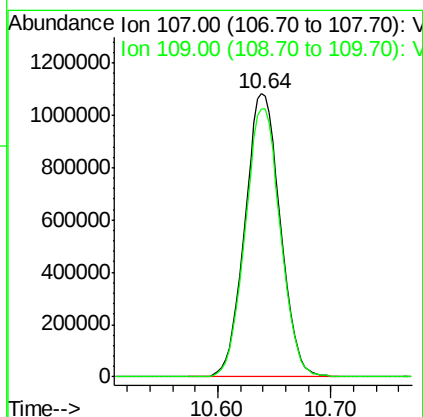
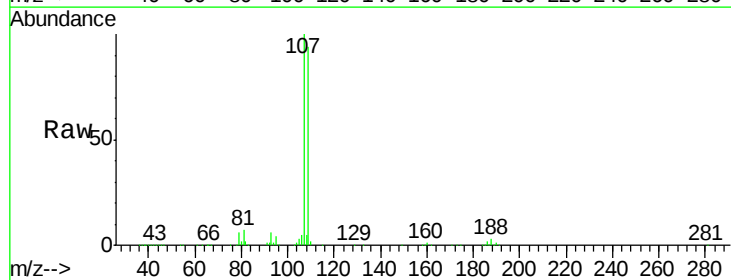
Acq: 23 Sep 2020 17:47

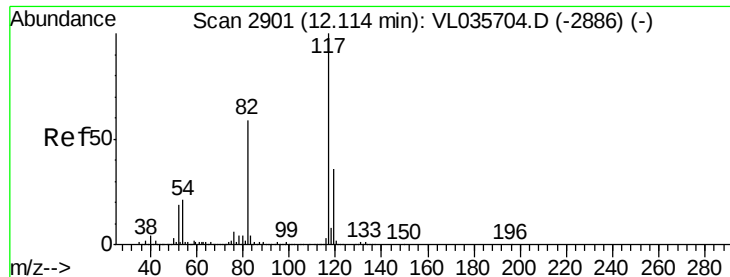
Tgt Ion: 107 Resp: 2339973

Ion Ratio Lower Upper

107 100

109 94.5 76.0 114.0





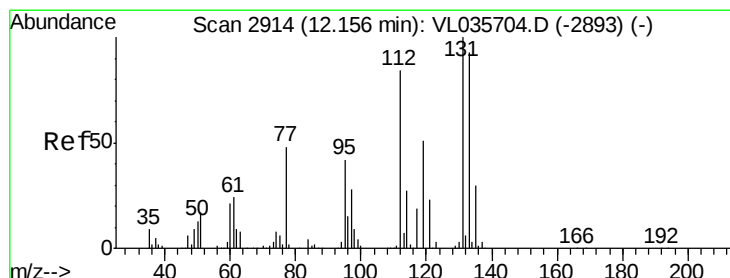
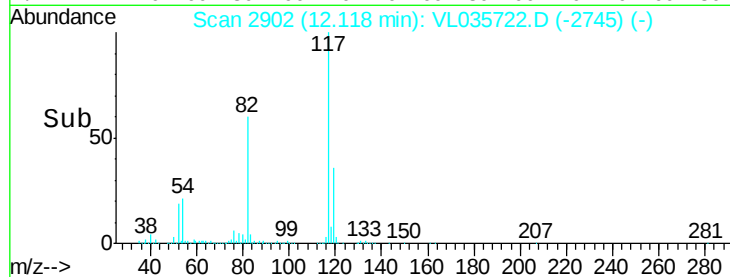
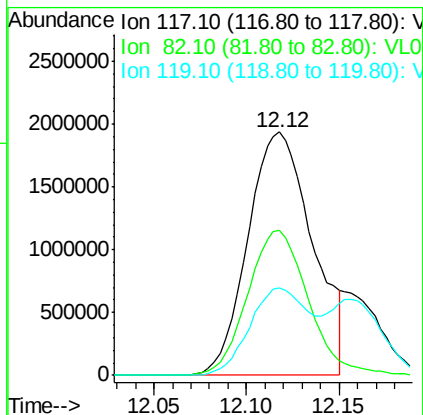
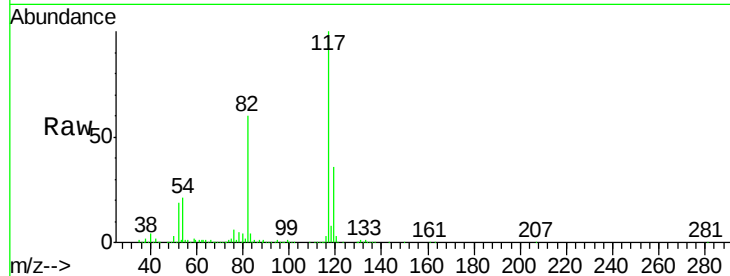
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.12 min Scan# 2902
Delta R.T. 0.00 min
Lab File: VL035722.D
Acq: 23 Sep 2020 17:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 4686901
Ion Ratio Lower Upper
117 100
82 55.9 46.1 69.1
119 33.9 28.0 42.0

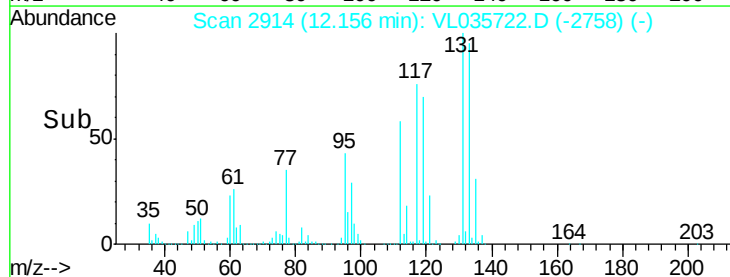
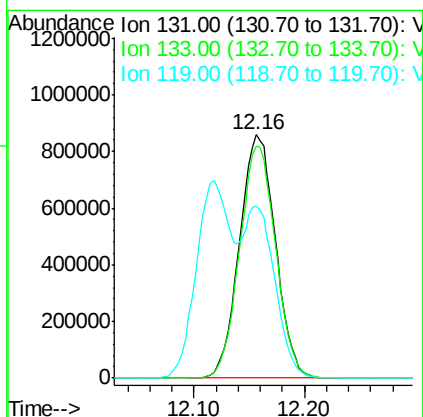
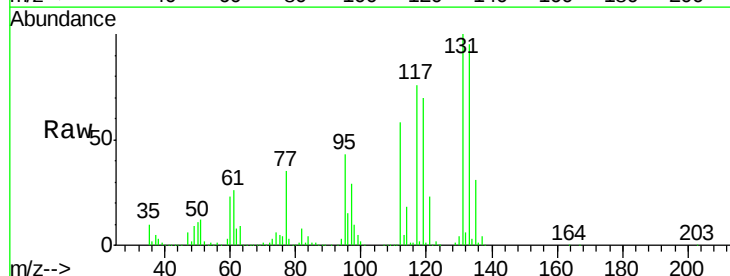
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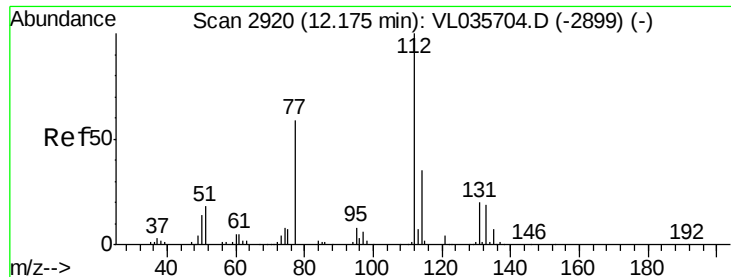
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.870 ppbv
RT: 12.16 min Scan# 2914
Delta R.T. 0.00 min
Lab File: VL035722.D
Acq: 23 Sep 2020 17:47

Tgt Ion:131 Resp: 1939724
Ion Ratio Lower Upper
131 100
133 95.7 76.2 114.4
119 62.0 52.4 78.6





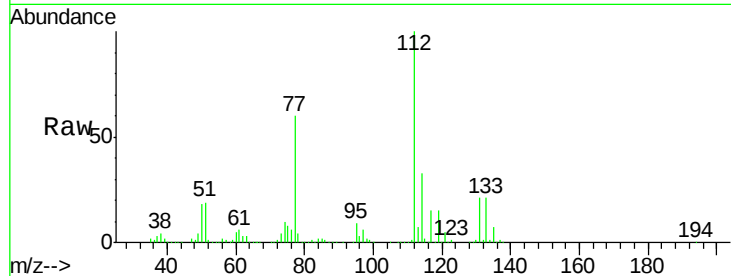
#57
Chlorobenzene
Concen: 9.186 ppbv
RT: 12.18 min Scan# 2921
Delta R.T. 0.00 min
Lab File: VL035722.D
Acq: 23 Sep 2020 17:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

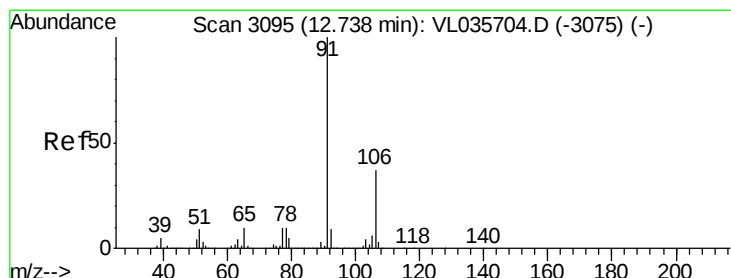
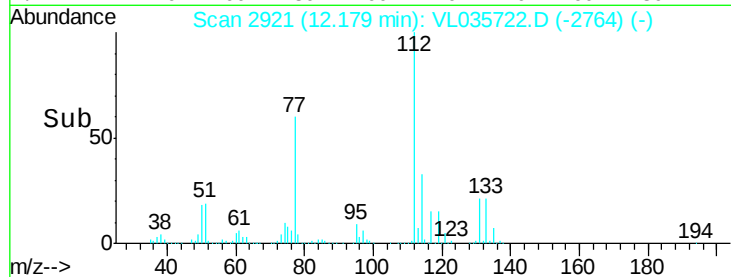
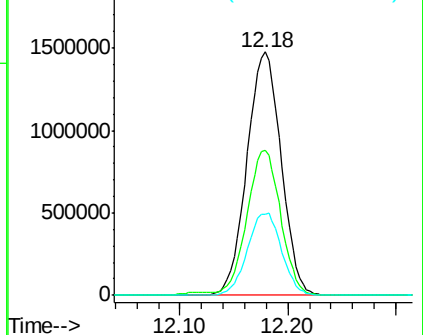
Tot Ion	Ratio	Lower	Upper
112	100		
77	59.6	48.2	72.2
114	33.3	31.9	39.1

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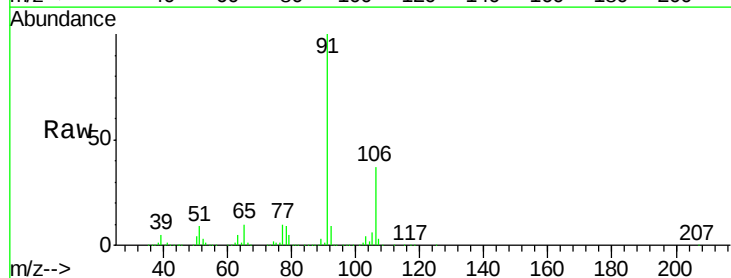


Abundance Ion 112.10 (111.80 to 112.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): VL0

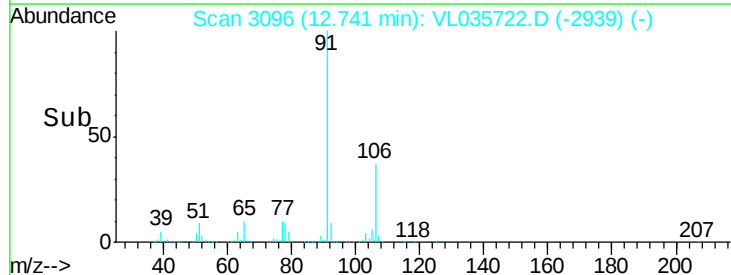
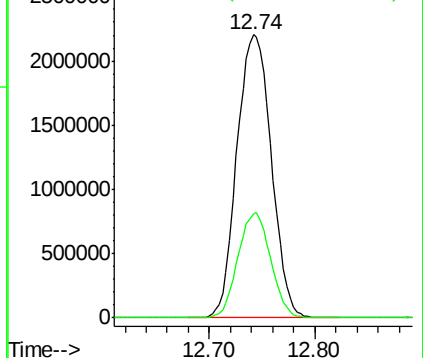


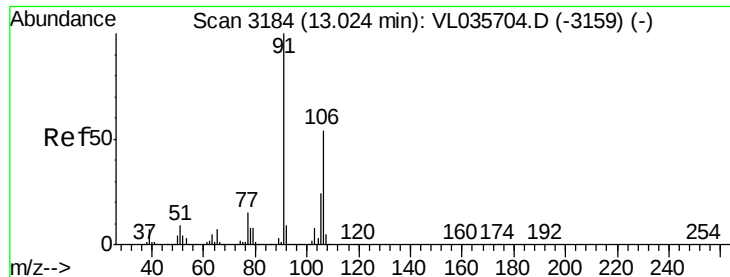
#58
Ethyl Benzene
Concen: 10.630 ppbv
RT: 12.74 min Scan# 3096
Delta R.T. 0.00 min
Lab File: VL035722.D
Acq: 23 Sep 2020 17:47

Tgt Ion	Ratio	Lower	Upper
91	100		
106	37.0	29.7	44.5



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): VL0





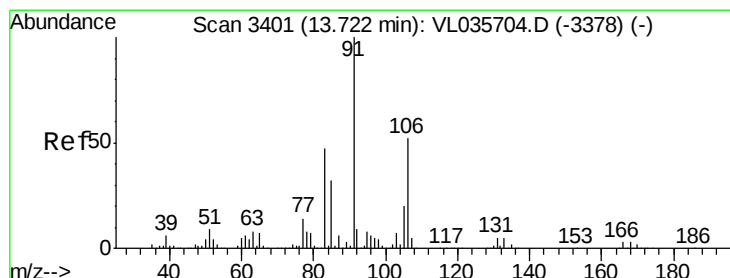
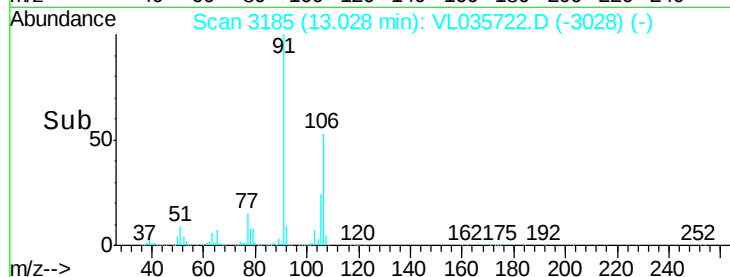
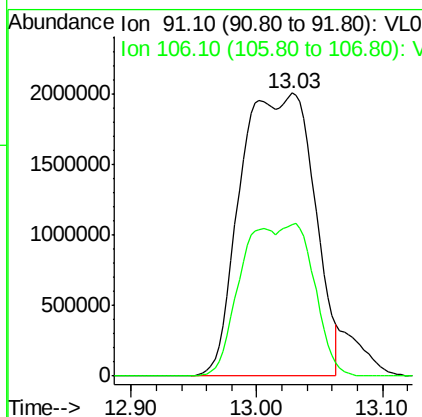
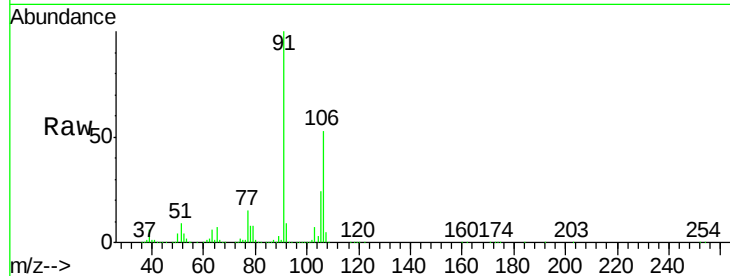
#59
m/p-Xylene
Concen: 19.786 ppbv m
RT: 13.03 min Scan# 3185
Delta R.T. 0.00 min
Lab File: VL035722.D
Acq: 23 Sep 2020 17:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 8128560
Ion Ratio Lower Upper
91 100
106 52.9 41.4 62.0

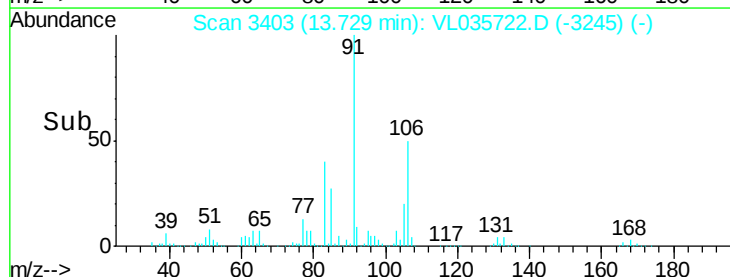
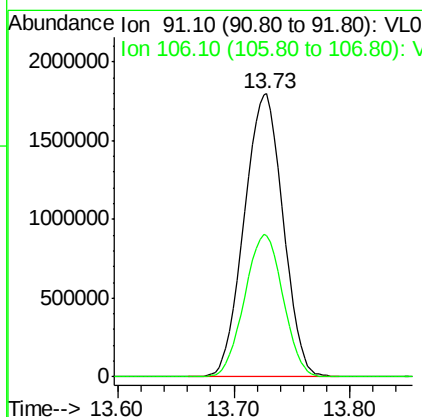
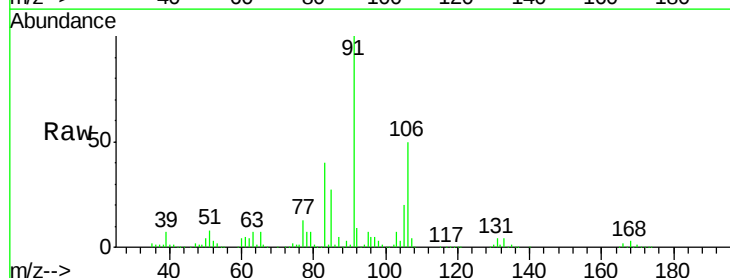
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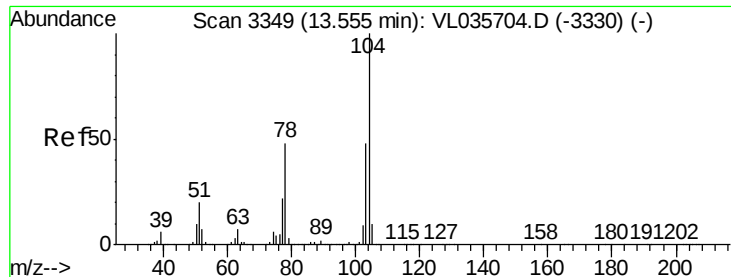
MMDadoda
9/24/2020 1:35:42 PM



#60
o-Xylene
Concen: 10.069 ppbv
RT: 13.73 min Scan# 3403
Delta R.T. 0.01 min
Lab File: VL035722.D
Acq: 23 Sep 2020 17:47

Tgt Ion: 91 Resp: 4184397
Ion Ratio Lower Upper
91 100
106 49.9 25.0 75.0





#61

Stvrene

Concen: 11.409 ppbv

RT: 13.56 min Scan# 3351

Delta R.T. 0.01 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:104 Resp: 3278352

Ion Ratio Lower Upper

104 100

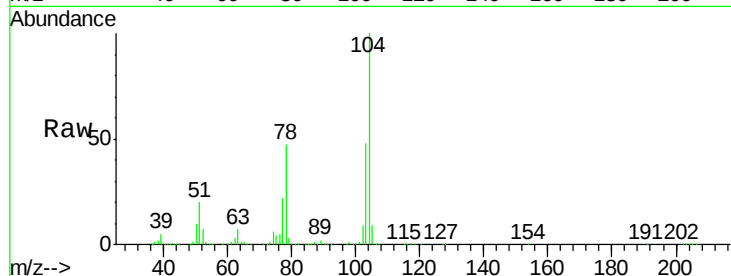
78 45.9 37.2 55.8

103 47.6 38.2 57.2

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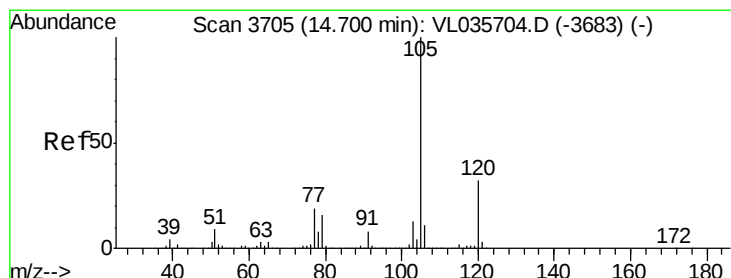
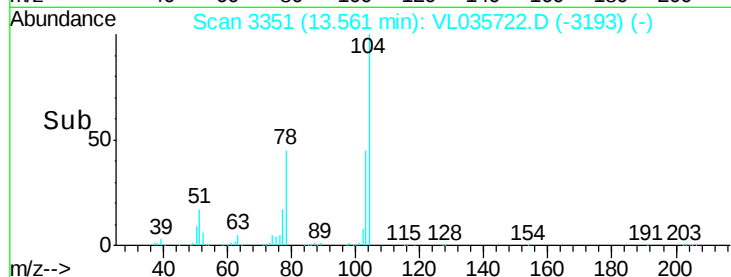
Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): V

Ion 103.10 (102.80 to 103.80): V

13.56

Time-->



#62

Isopropylbenzene

Concen: 9.782 ppbv

RT: 14.70 min Scan# 3706

Delta R.T. 0.00 min

Lab File: VL035722.D

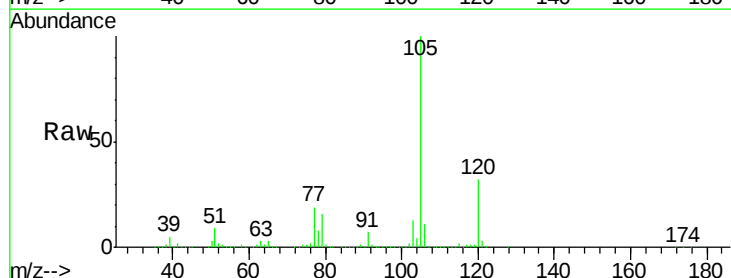
Acq: 23 Sep 2020 17:47

Tgt Ion:105 Resp: 6305383

Ion Ratio Lower Upper

105 100

120 29.9 24.1 36.1

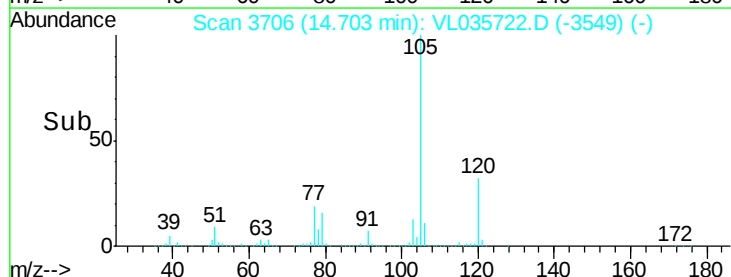


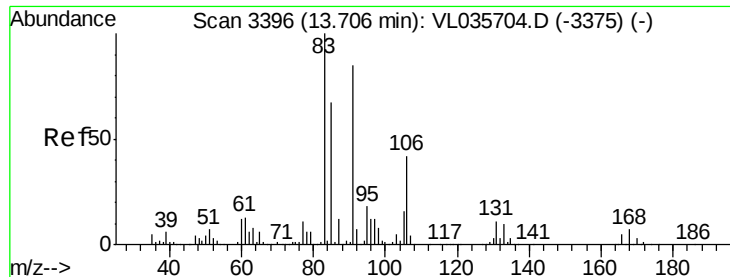
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

14.70

Time-->





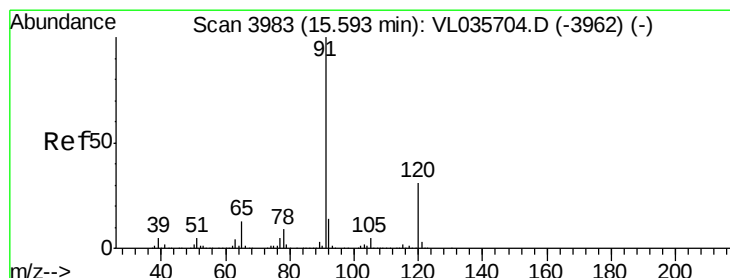
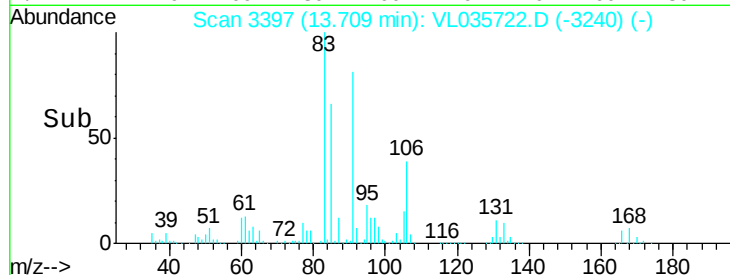
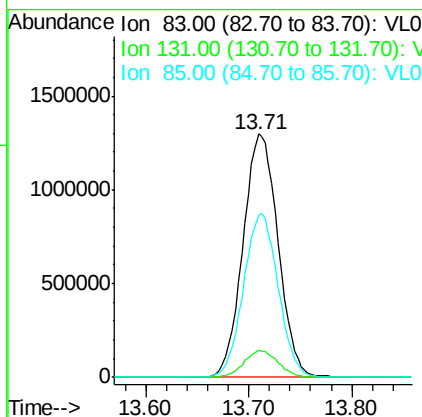
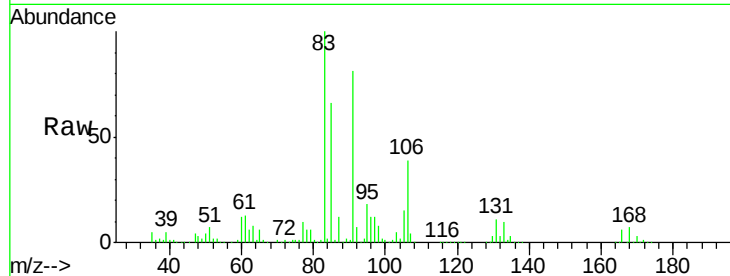
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.973 ppbv
 RT: 13.71 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VL035722.D
 Acq: 23 Sep 2020 17:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 83 Resp: 3057856
 Ion Ratio Lower Upper
 83 100
 131 10.6 5.3 16.1
 85 67.0 33.4 100.2

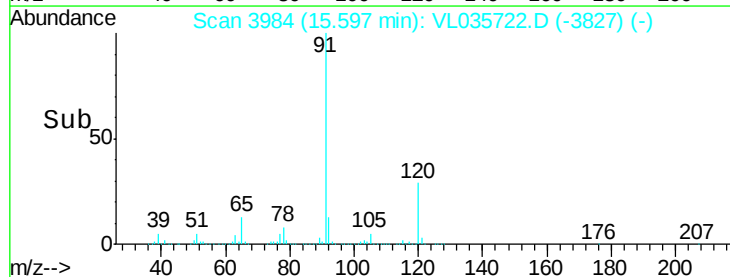
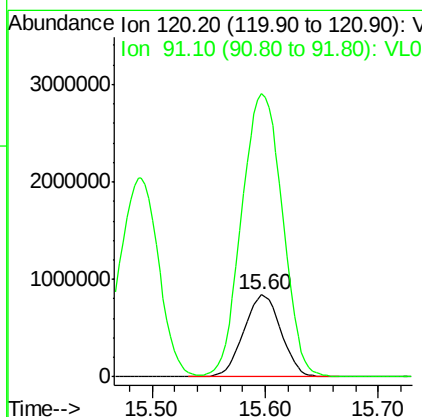
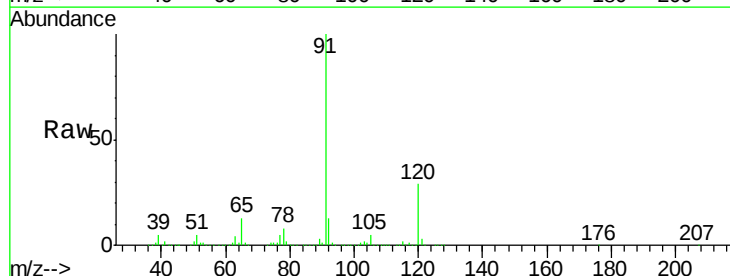
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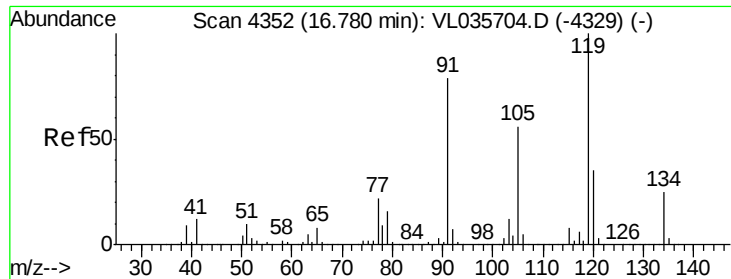
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#64
 n-propylbenzene
 Concen: 10.233 ppbv
 RT: 15.60 min Scan# 3984
 Delta R.T. 0.00 min
 Lab File: VL035722.D
 Acq: 23 Sep 2020 17:47

Tgt Ion:120 Resp: 1930392
 Ion Ratio Lower Upper
 120 100
 91 378.6 300.4 450.6





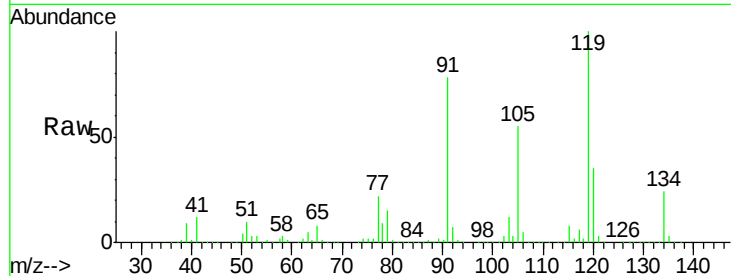
#65
 tert-Butylbenzene
 Concen: 9.905 ppbv
 RT: 16.78 min Scan# 4353
 Delta R.T. 0.00 min
 Lab File: VL035722.D
 Acq: 23 Sep 2020 17:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

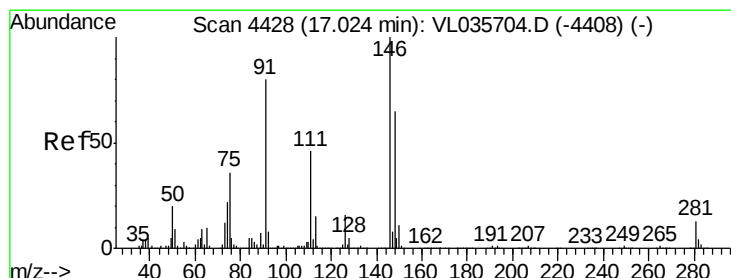
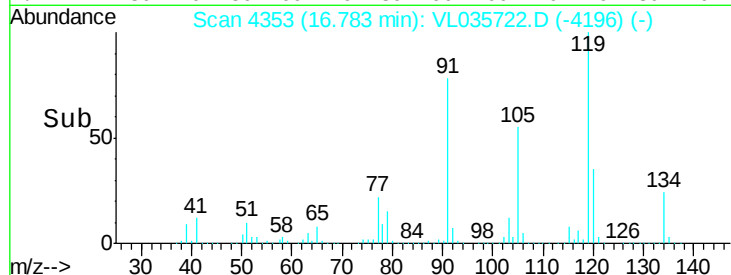
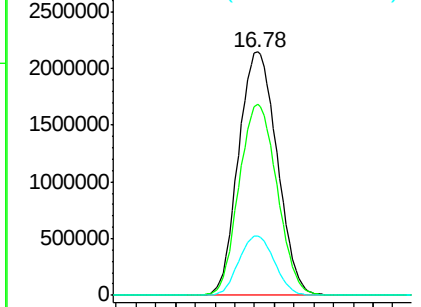
Tot Ion: 119 Resp: 5804464
 Ion Ratio Lower Upper
 119 100
 91 77.5 62.4 93.6
 134 22.5 18.2 27.2

Manual Integrations
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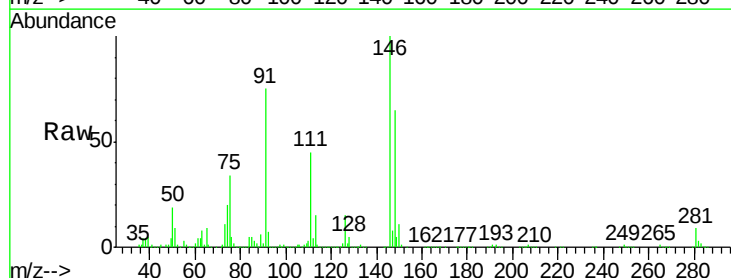


Abundance Ion 119.20 (118.90 to 119.90): V
 Ion 91.10 (90.80 to 91.80): VL0
 Ion 134.20 (133.90 to 134.90): V

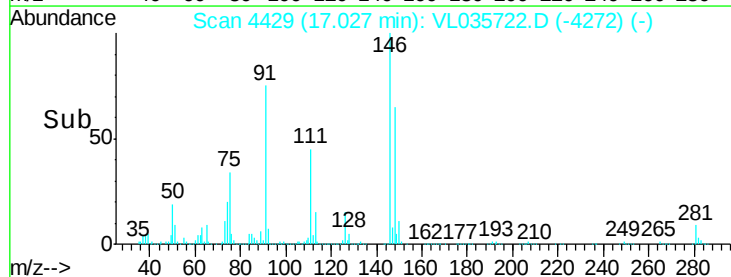
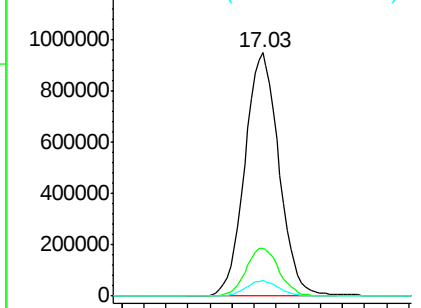


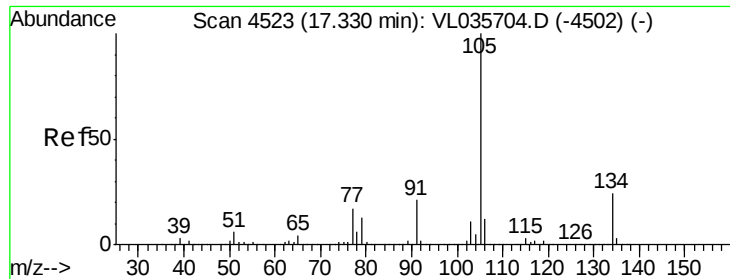
#66
 Benzyl Chloride
 Concen: 11.432 ppbv
 RT: 17.03 min Scan# 4429
 Delta R.T. 0.00 min
 Lab File: VL035722.D
 Acq: 23 Sep 2020 17:47

Tgt Ion: 91 Resp: 2029839
 Ion Ratio Lower Upper
 91 100
 126 19.2 15.3 22.9
 128 6.1 5.0 7.4



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





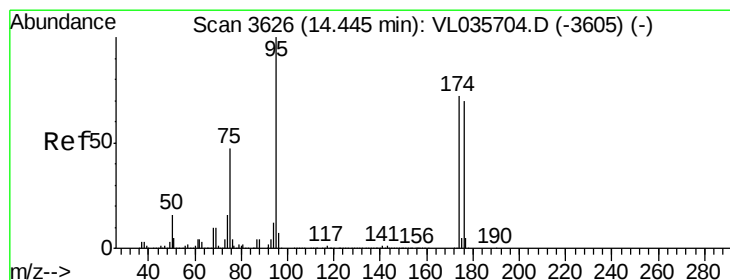
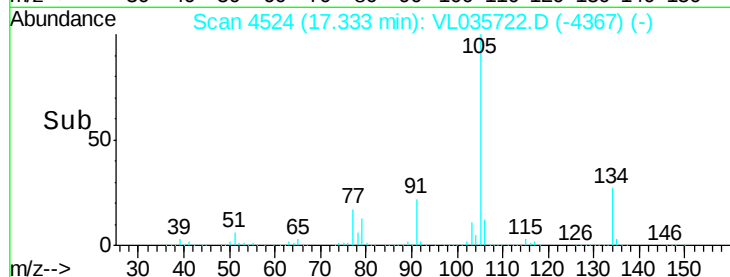
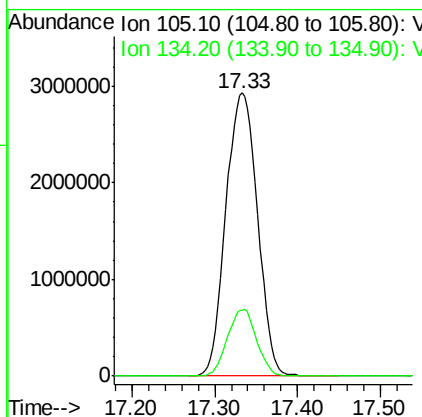
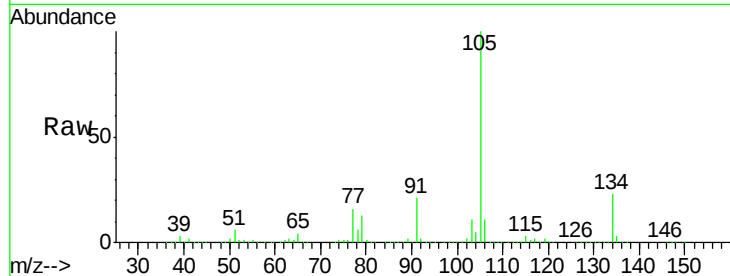
#67
 sec-Butylbenzene
 Concen: 9.586 ppbv
 RT: 17.33 min Scan# 4524
 Delta R.T. 0.00 min
 Lab File: VL035722.D
 Acq: 23 Sep 2020 17:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 105 Resp: 7757961
 Ion Ratio Lower Upper
 105 100
 134 21.9 17.6 26.4

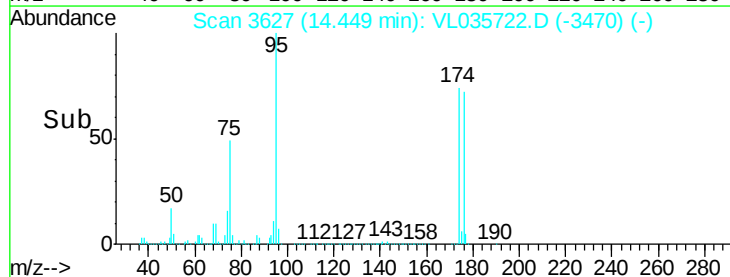
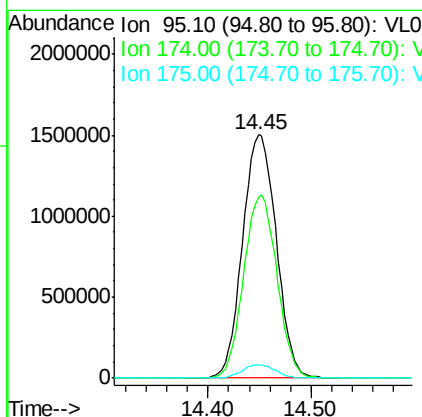
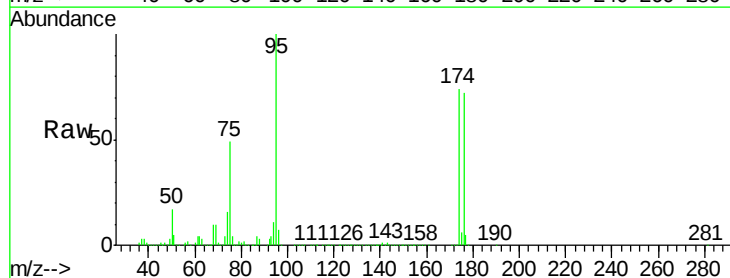
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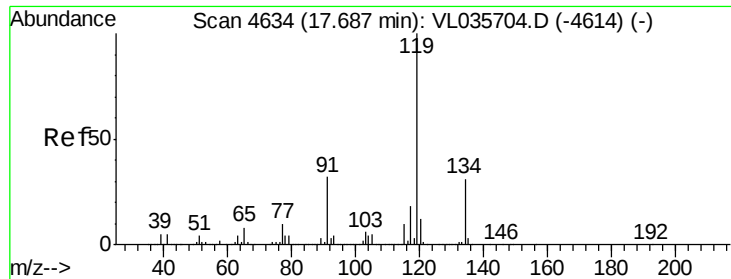
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.726 ppbv
 RT: 14.45 min Scan# 3627
 Delta R.T. 0.00 min
 Lab File: VL035722.D
 Acq: 23 Sep 2020 17:47

Tgt Ion: 95 Resp: 3415752
 Ion Ratio Lower Upper
 95 100
 174 74.7 59.6 89.4
 175 5.4 4.2 6.4





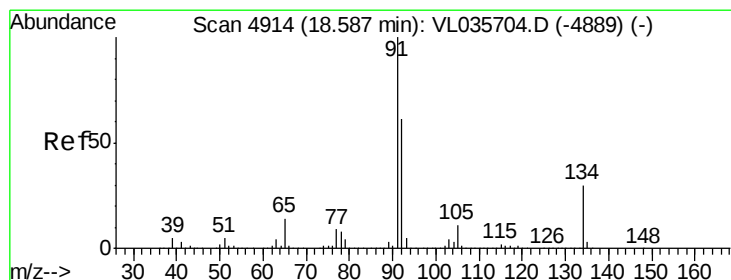
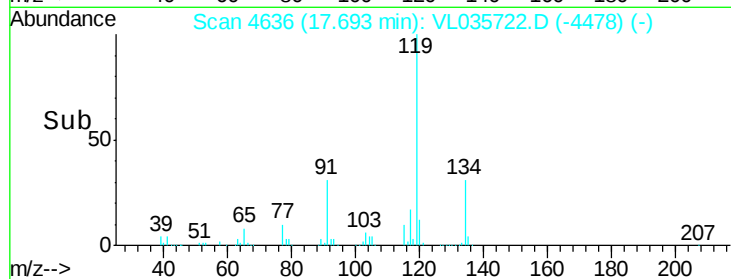
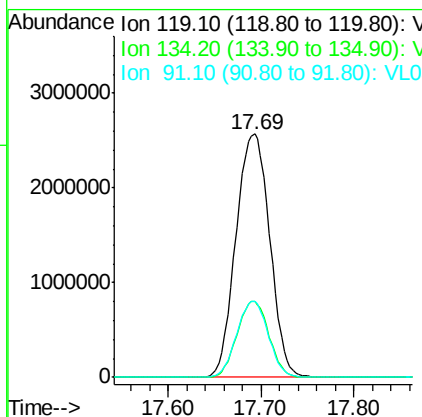
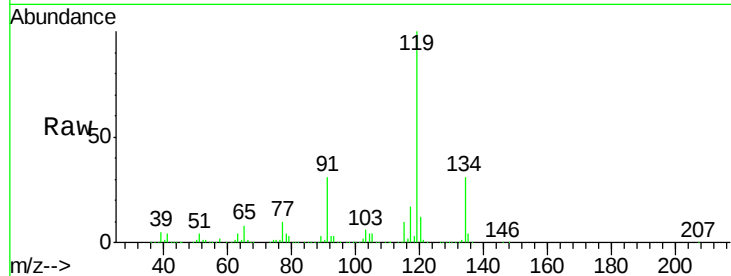
#69
 p-Isopropyltoluene
 Concen: 9.887 ppbv
 RT: 17.69 min Scan# 4636
 Delta R.T. 0.01 min
 Lab File: VL035722.D
 Acq: 23 Sep 2020 17:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	29.5	23.9	35.9
91	29.2	23.8	35.6

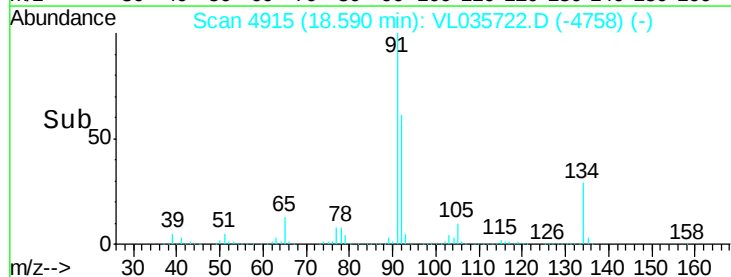
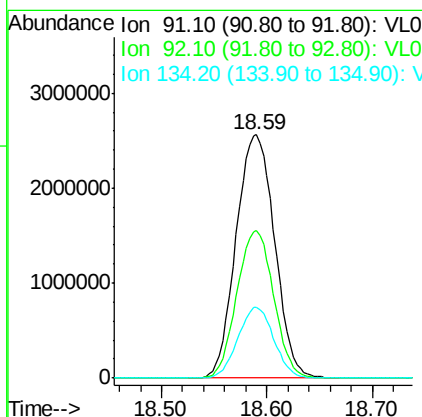
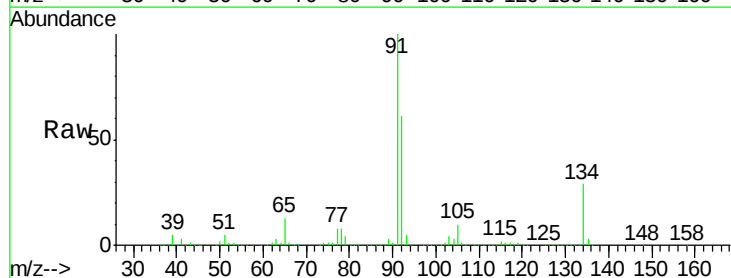
Manual Integrations
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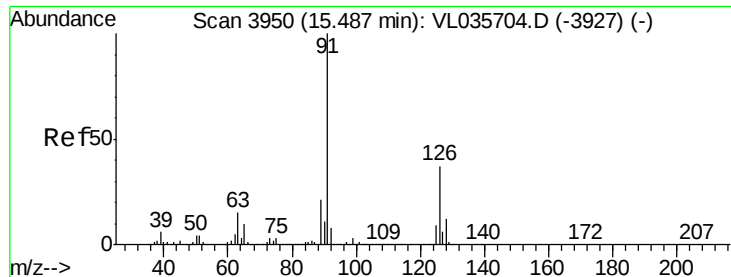
MMDadoda
 9/24/2020 1:35:42 PM



#70
 n-Butylbenzene
 Concen: 9.581 ppbv
 RT: 18.59 min Scan# 4915
 Delta R.T. 0.00 min
 Lab File: VL035722.D
 Acq: 23 Sep 2020 17:47

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.0	47.0	70.4
134	27.2	21.9	32.9





#71

2-Chlorotoluene

Concen: 10.238 ppbv

RT: 15.49 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 4813502

Ion Ratio Lower Upper

91 100

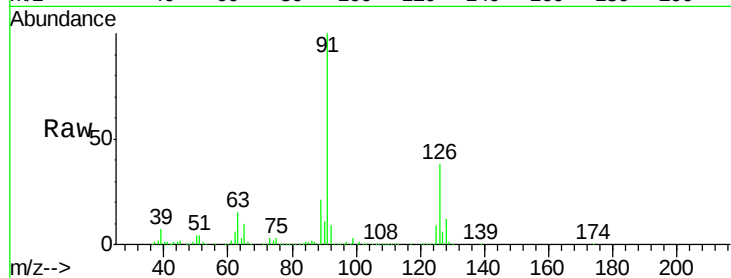
126 35.9 14.4 57.4

Manual Integrations

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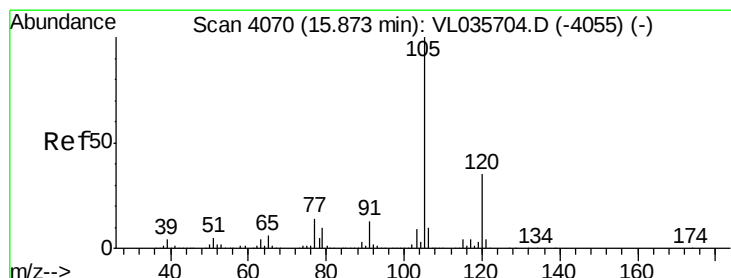
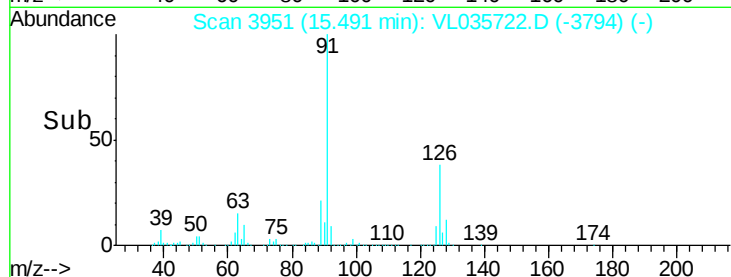
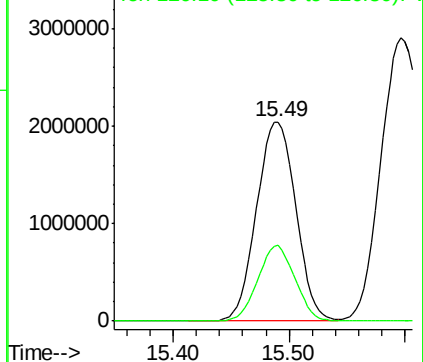
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 10.357 ppbv

RT: 15.88 min Scan# 4071

Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

Tgt Ion:105 Resp: 5098507

Ion Ratio Lower Upper

105 100

120 33.2 26.5 39.7

91 12.6 10.2 15.2

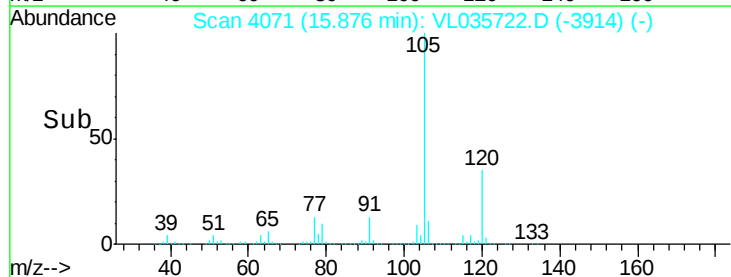
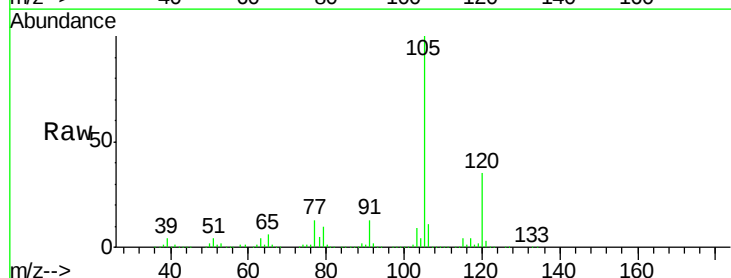
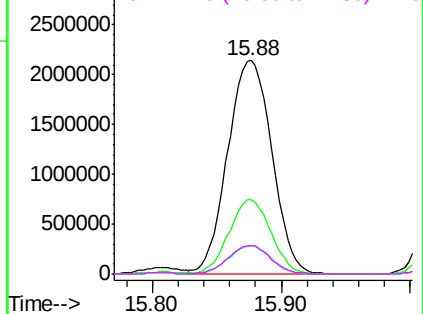
77 12.8 10.3 15.5

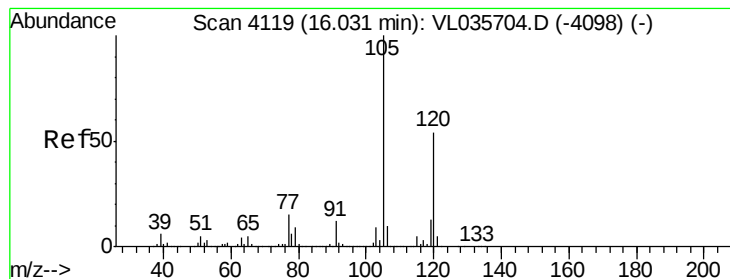
Abundance Ion 105.10 (104.80 to 105.80): V

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: 10.193 ppbv

RT: 16.03 min Scan# 4120

Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 4742090

Ion Ratio Lower Upper

105 100

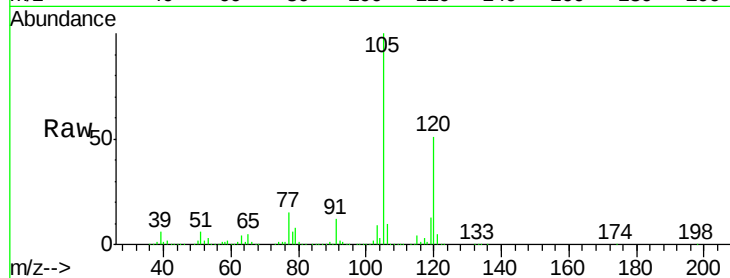
120 51.4 43.0 64.4

Manual Integrations

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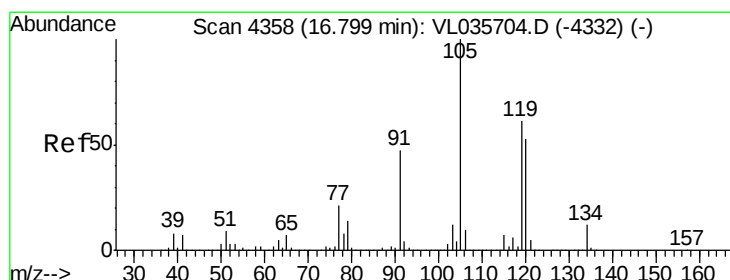
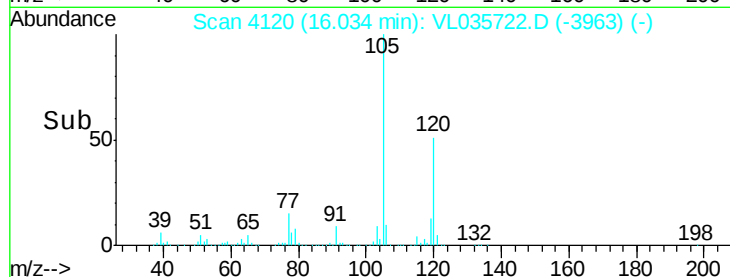
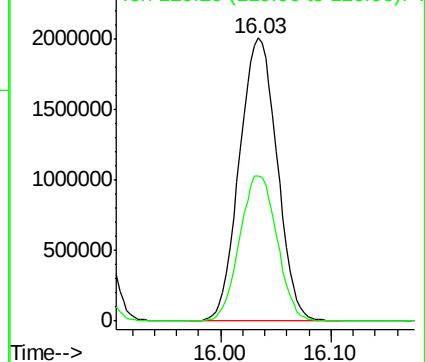
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 9.466 ppbv

RT: 16.80 min Scan# 4359

Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

Tgt Ion:105 Resp: 4964310

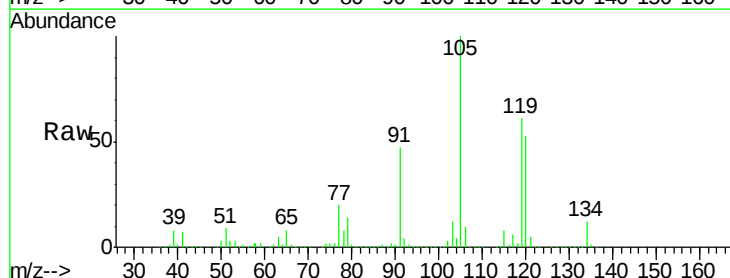
Ion Ratio Lower Upper

105 100

120 52.6 42.5 63.7

91 46.9 37.7 56.5

77 20.4 16.7 25.1

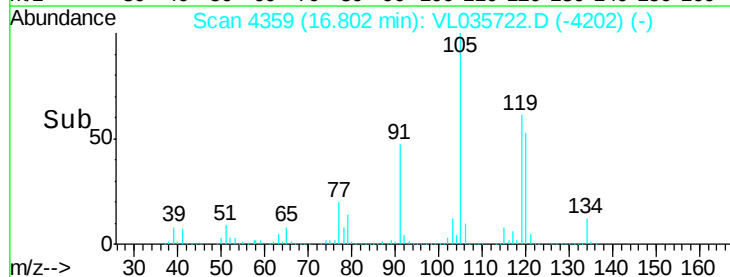
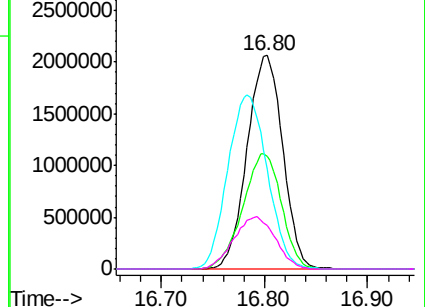


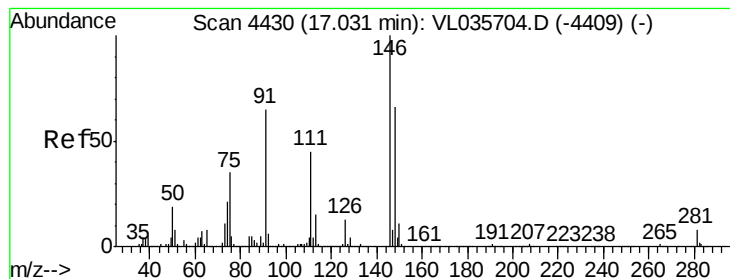
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 9.163 ppbv

RT: 17.03 min Scan# 4431

Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 3280631

Ion Ratio Lower Upper

146 100

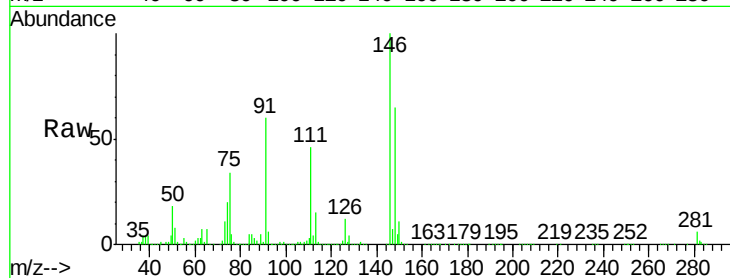
111 44.4 22.4 67.0

148 65.4 33.0 99.0

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MMDadoda

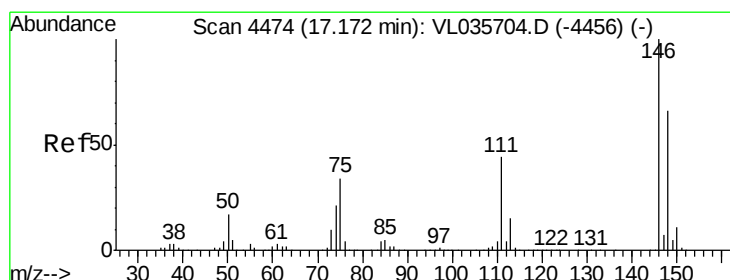
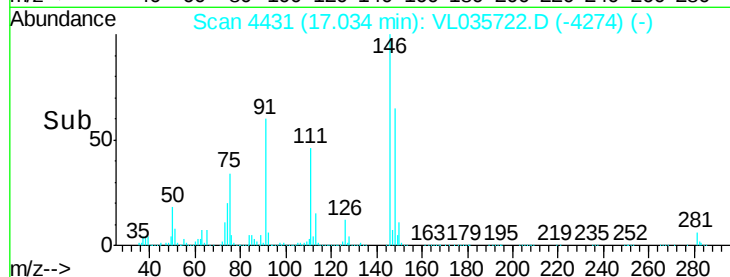
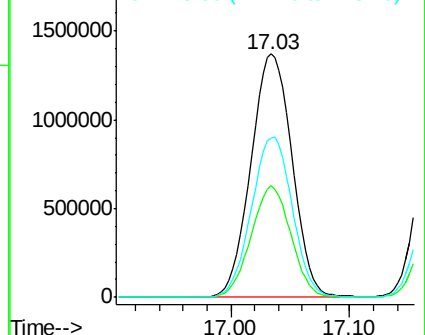
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Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 9.587 ppbv

RT: 17.18 min Scan# 4476

Delta R.T. 0.01 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

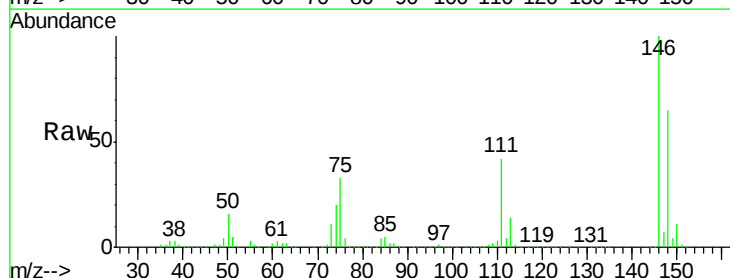
Tgt Ion:146 Resp: 3281165

Ion Ratio Lower Upper

146 100

111 42.6 21.4 64.3

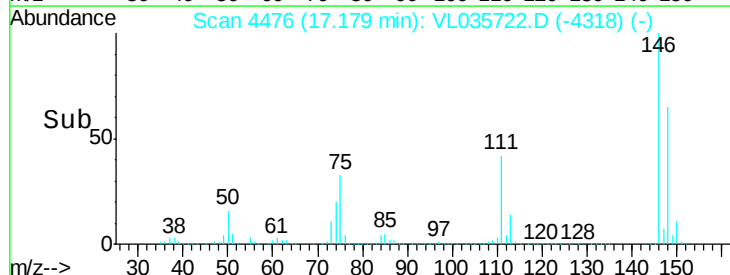
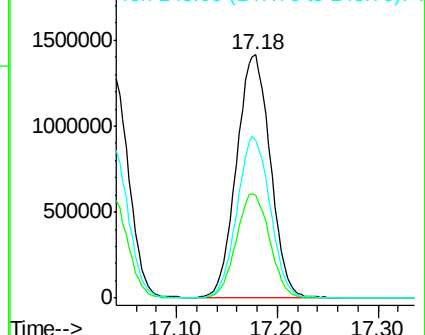
148 65.6 32.6 98.0

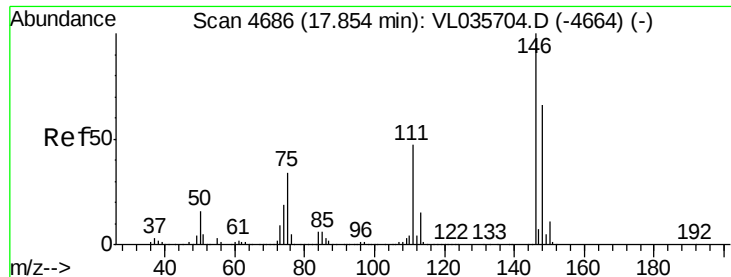


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 9.436 ppbv

RT: 17.85 min Scan# 4686

Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 3190866

Ion Ratio Lower Upper

146 100

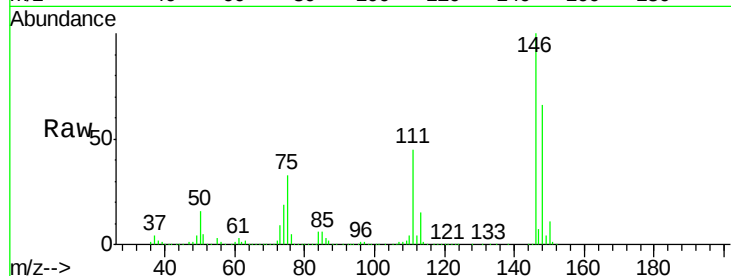
111 45.2 22.9 68.5

148 65.0 32.6 98.0

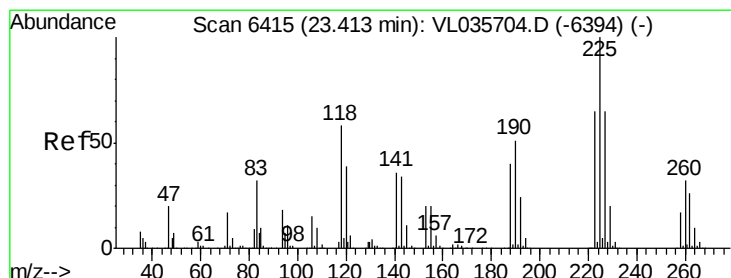
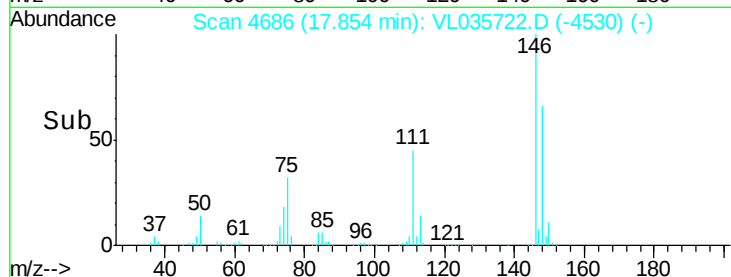
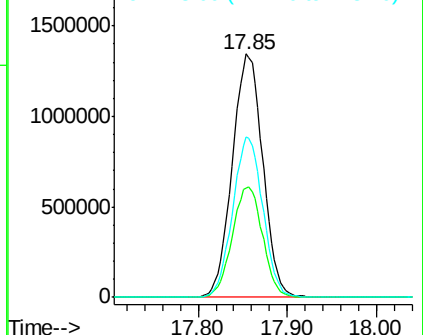
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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 9.107 ppbv

RT: 23.42 min Scan# 6416

Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

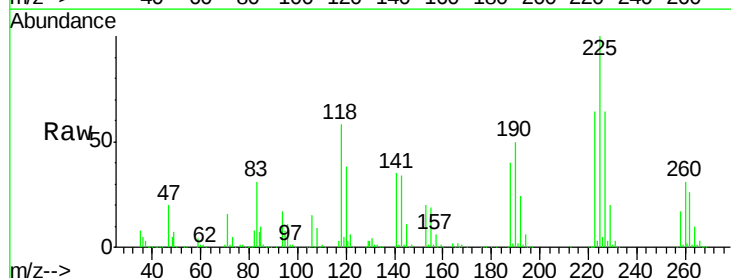
Tgt Ion:225 Resp: 1699069

Ion Ratio Lower Upper

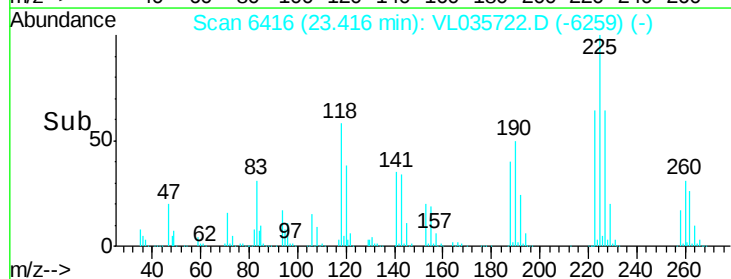
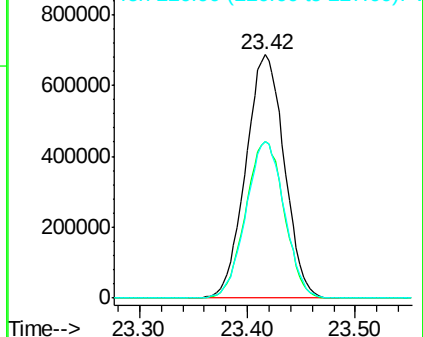
225 100

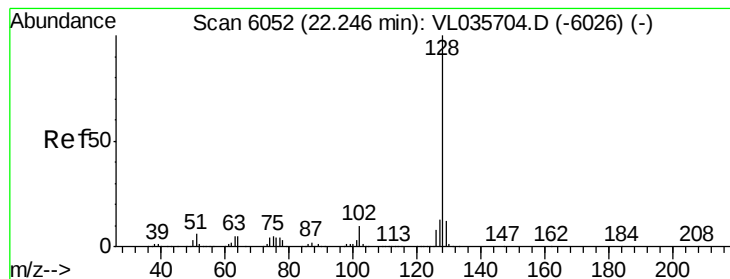
223 64.5 51.3 76.9

227 64.2 51.6 77.4



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: 9.555 ppbv

RT: 22.25 min Scan# 6052

Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:128 Resp: 4779444

Ion Ratio Lower Upper

128 100

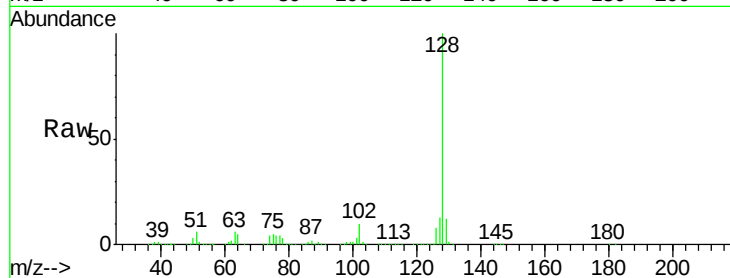
127 13.3 10.6 15.8

129 12.2 9.4 14.0

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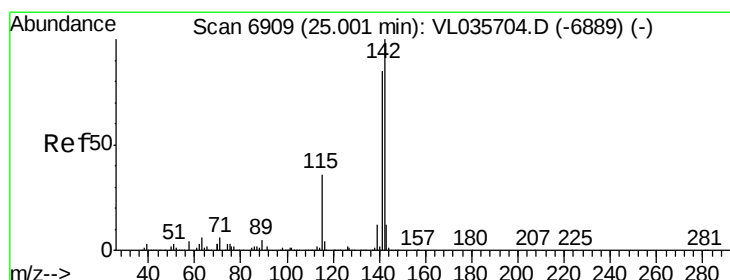
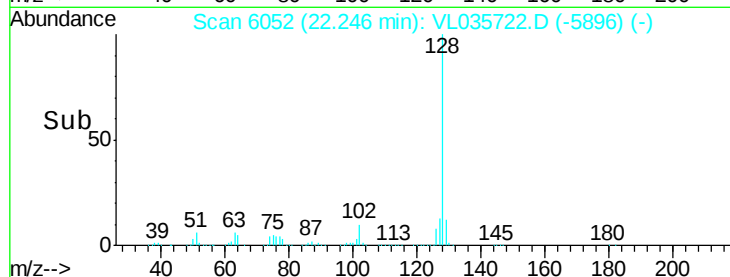
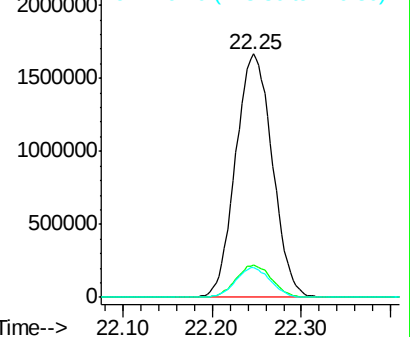
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Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 10.695 ppbv

RT: 25.00 min Scan# 6910

Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

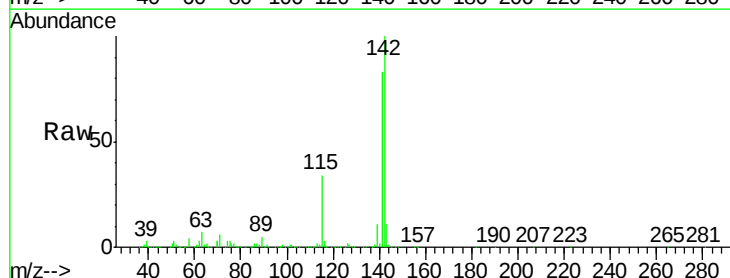
Tgt Ion:142 Resp: 1261789

Ion Ratio Lower Upper

142 100

141 84.9 68.2 102.4

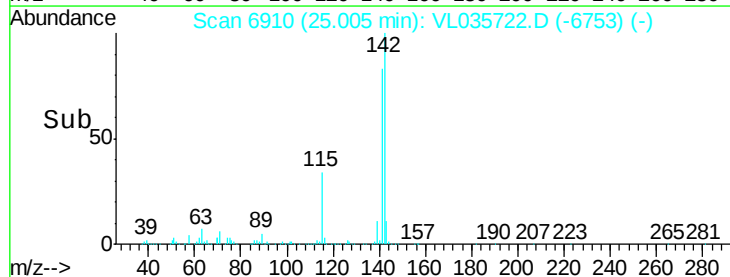
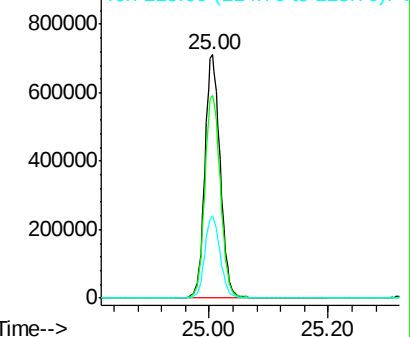
115 33.8 27.8 41.6

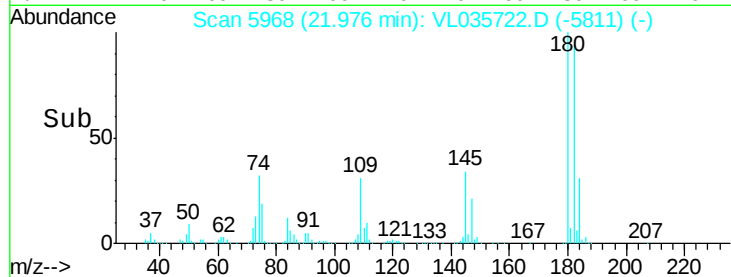
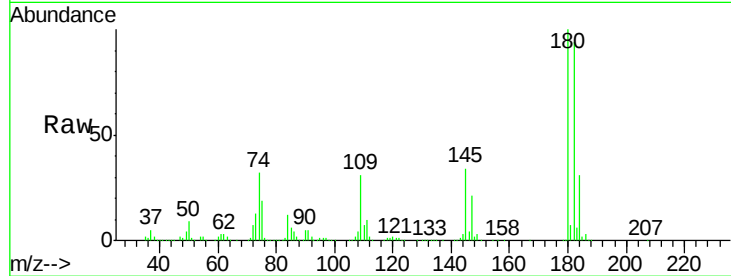


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 9.559 ppbv
 RT: 21.98 min Scan# 5968
 Delta R.T. 0.00 min
 Lab File: VL035722.D
 Acq: 23 Sep 2020 17:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.2	114.2
184	30.9	24.6	37.0

Manual Integrations
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