

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081020\
 Data File : VL035371.D
 Acq On : 10 Aug 2020 9:56
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 8/12/2020 3:58:18 PM

Quant Time: Aug 11 04:39:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080520AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 0
 QLast Update : Wed Aug 05 13:04:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1344042	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3294445	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3323040	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	2718144	9.81	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.10%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.00	85	1426221	7.978	ppbv 98
3) Chlorodifluoromethane	2.94	51	1423365	9.277	ppbv 100
4) Chloromethane	3.09	50	798642	9.194	ppbv 99
5) Vinyl Chloride	3.21	62	813696	9.107	ppbv 94
6) Bromomethane	3.43	94	535811	9.789	ppbv 92
7) Chloroethane	3.51	64	313415	9.445	ppbv 100
8) Dichlorotetrafluoroethane	3.14	85	1978815	9.365	ppbv 98
9) Propene	2.96	41	535993	9.804	ppbv 99
10) Heptane	8.13	43	1586088	11.358	ppbv 100
11) Trichlorofluoromethane	3.91	101	2171971	9.377	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.45	101	1568543	9.475	ppbv 97
13) Ethanol	3.56	45	76947	4.081	ppbv # 51
14) Bromoethene	3.70	108	652097	9.823	ppbv 99
15) Acetone	3.81	43	1618274	8.479	ppbv 100
16) 1,3-Butadiene	3.28	39	751782	10.233	ppbv 97
17) tert-Butyl alcohol	4.25	59	1792424	10.232	ppbv 100
18) 1,1-Dichloroethene	4.26	96	702435	9.881	ppbv 90
19) Isopropyl Alcohol	3.93	45	1153722	9.536	ppbv 99
20) Methylene Chloride	4.31	84	628559	8.076	ppbv 96
21) Allyl Chloride	4.38	41	1106927	10.122	ppbv 99
22) trans-1,2-Dichloroethene	4.86	96	676524	9.815	ppbv 98
23) Vinyl Acetate	5.05	43	1964490	10.734	ppbv 99
24) 1,1-Dichloroethane	4.99	63	1653761	9.615	ppbv 98
25) Ethyl Acetate	5.66	43	2898615	9.995	ppbv 99
26) Hexane	5.67	57	1269185	10.089	ppbv 97
27) Carbon Disulfide	4.52	76	1834198	10.427	ppbv 98
28) Methyl tert-Butyl Ether	5.01	73	1972029	10.782	ppbv 100
29) Chloroform	5.74	83	2090264	9.638	ppbv 100
30) Cyclohexane	7.12	84	1085783	11.383	ppbv 99
31) cis-1,2-Dichloroethene	5.53	61	1253490	11.209	ppbv 98
32) 1,1,1-Trichloroethane	6.50	97	2085417	9.149	ppbv 100
34) 2-Butanone	5.22	43	1728579	10.656	ppbv 100
35) Carbon Tetrachloride	7.01	117	2238368	9.873	ppbv 97
36) Benzene	6.89	78	2483186	11.163	ppbv 98
37) 1,2-Dichloroethane	6.30	62	1635759	10.525	ppbv 100
38) Trichloroethene	7.84	130	1102653	10.745	ppbv 97
39) 1,2-Dichloropropane	7.61	63	966380	10.731	ppbv 98
40) 1,4-Dioxane	7.83	88	399328	10.354	ppbv 89
41) Tetrahydrofuran	6.03	42	920543	11.564	ppbv 99
42) Bromodichloromethane	7.80	83	2258941	10.824	ppbv 97
43) Methyl Methacrylate	8.02	69	1146942	12.255	ppbv 100

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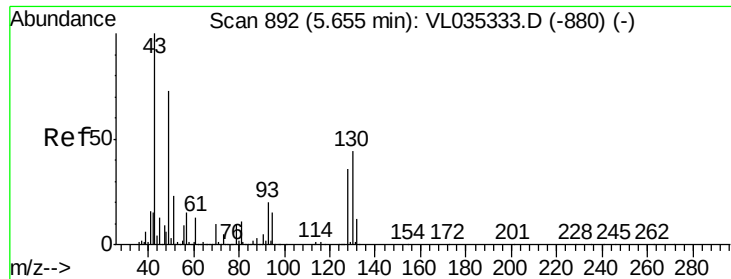
Manual Integrations
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Quant Time: Aug 11 04:39:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080520AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 0
 QLast Update : Wed Aug 05 13:04:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4382618	11.089	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1290539	13.293	ppbv	96
46) cis-1,3-Dichloropropene	8.71	75	1507566	12.858	ppbv	98
47) 1,1,2-Trichloroethane	9.49	97	1110187	10.253	ppbv	98
48) Dibromochloromethane	10.32	129	1984444	11.188	ppbv	100
49) Bromoform	13.07	173	1833352	11.343	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2771849	11.192	ppbv	99
51) 2-Hexanone	10.14	43	2269218	11.687	ppbv #	99
52) Tetrachloroethene	11.24	164	963913	10.929	ppbv	96
53) Toluene	9.82	91	3024850	12.499	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1739596	11.198	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.15	131	1532207	9.768	ppbv	95
57) Chlorobenzene	12.17	112	2500435	9.993	ppbv	98
58) Ethyl Benzene	12.73	91	4144948	11.987	ppbv	100
59) m/p-Xylene	13.02	91	7154233m	22.220	ppbv	
60) o-Xylene	13.72	91	3569128	11.171	ppbv	99
61) Styrene	13.55	104	2528201	12.956	ppbv	99
62) Isopropylbenzene	14.70	105	5314866	11.048	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.71	83	2582036	9.473	ppbv	99
64) n-propylbenzene	15.59	120	1460432	11.296	ppbv	98
65) tert-Butylbenzene	16.78	119	4862399	11.037	ppbv	99
66) Benzyl Chloride	17.02	91	2060402	11.817	ppbv	99
67) sec-Butylbenzene	17.33	105	6775063	10.873	ppbv	99
69) p-Isopropyltoluene	17.69	119	5790203	11.398	ppbv	99
70) n-Butylbenzene	18.59	91	5983371	11.011	ppbv	100
71) 2-Chlorotoluene	15.49	91	4103193	11.643	ppbv	99
72) 4-Ethyltoluene	15.87	105	4295153	11.791	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	4056388	11.604	ppbv	98
74) 1,2,4-Trimethylbenzene	16.80	105	4325017	10.826	ppbv	95
75) 1,3-Dichlorobenzene	17.04	146	2563935	9.810	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	2570550	10.620	ppbv	100
77) 1,2-Dichlorobenzene	17.85	146	2496694	10.351	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	2048174	9.981	ppbv	99
79) Naphthalene	22.25	128	4120983	13.411	ppbv	99
80) Naphthalene, 2-methyl-	25.01	142	1592151	22.777	ppbv	98
81) 1,2,4-Trichlorobenzene	21.98	180	2308049	11.918	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.00 min

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ClientSampleId :

VSTDCCC010

Tot Ion: 49 Resp: 1344042

Ion Ratio Lower Upper

49 100

128 49.2 25.4 76.0

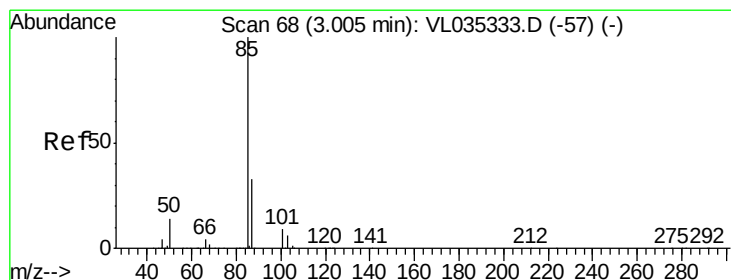
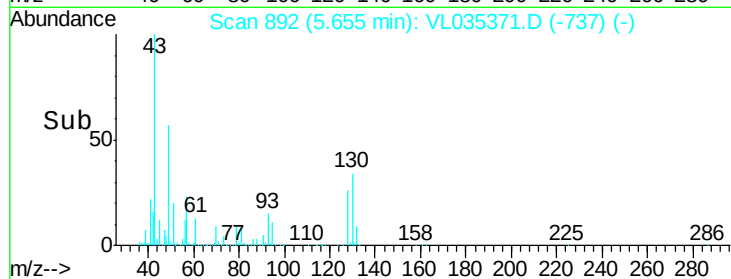
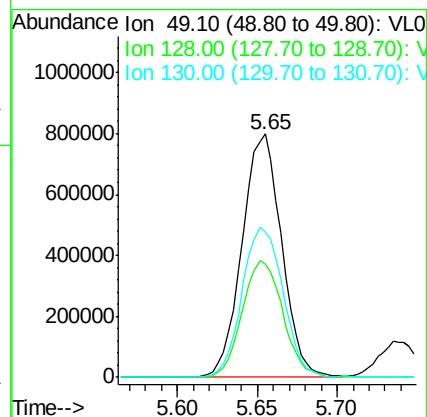
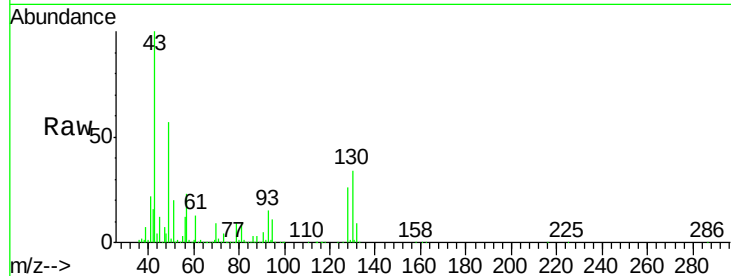
130 64.2 32.1 96.3

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 7.978 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL035371.D

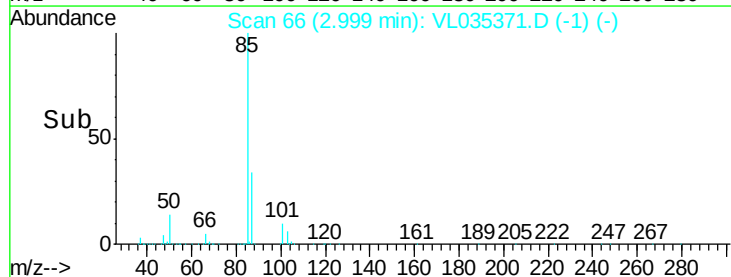
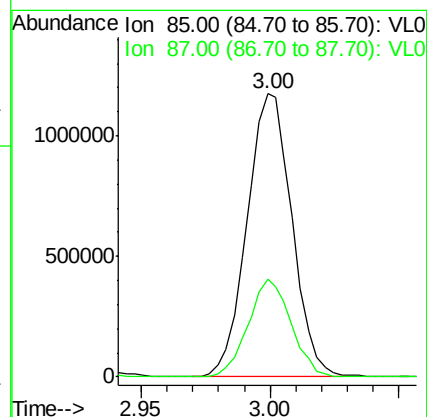
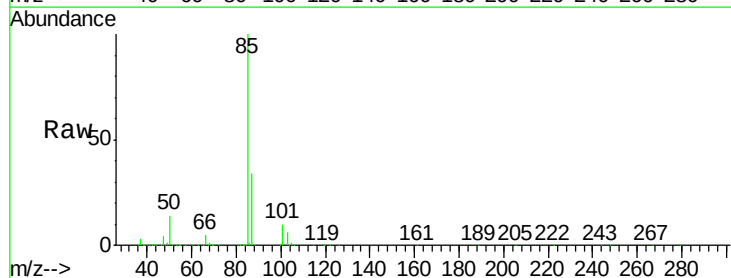
Acq: 10 Aug 2020 9:56

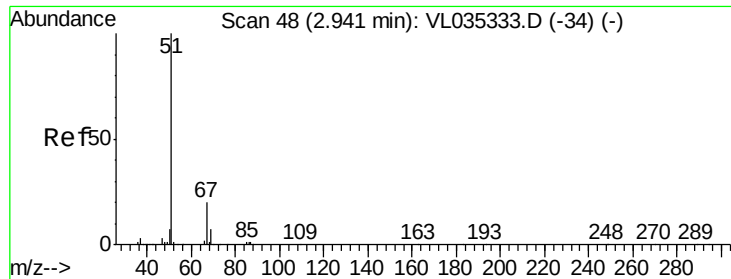
Tgt Ion: 85 Resp: 1426221

Ion Ratio Lower Upper

85 100

87 34.4 26.7 40.1





#3

Chlorodifluoromethane

Concen: 9.277 ppbv

RT: 2.94 min Scan# 47

Delta R.T. -0.00 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 51 Resp: 1423365

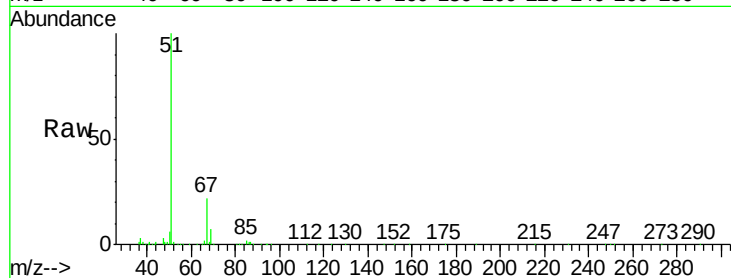
Ion Ratio Lower Upper

51 100

67 20.9 16.6 25.0

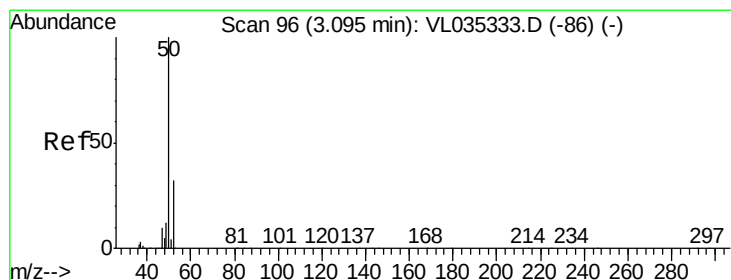
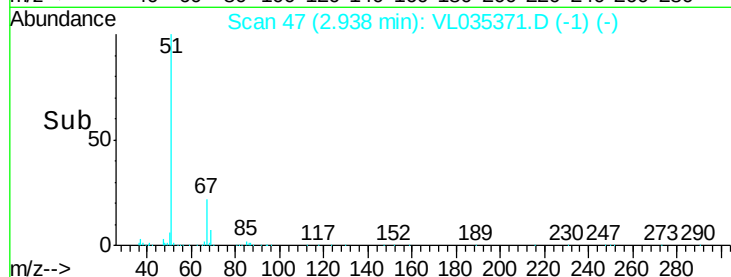
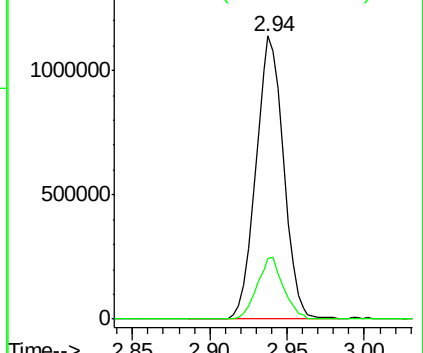
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.194 ppbv

RT: 3.09 min Scan# 95

Delta R.T. -0.00 min

Lab File: VL035371.D

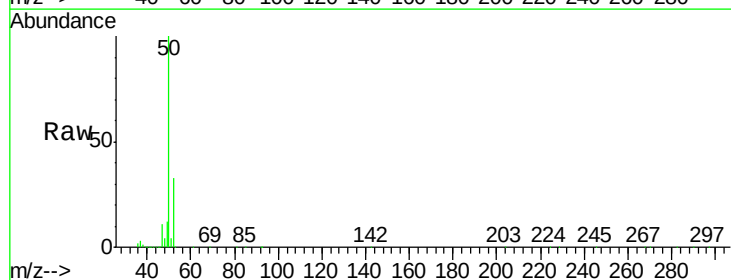
Acq: 10 Aug 2020 9:56

Tgt Ion: 50 Resp: 798642

Ion Ratio Lower Upper

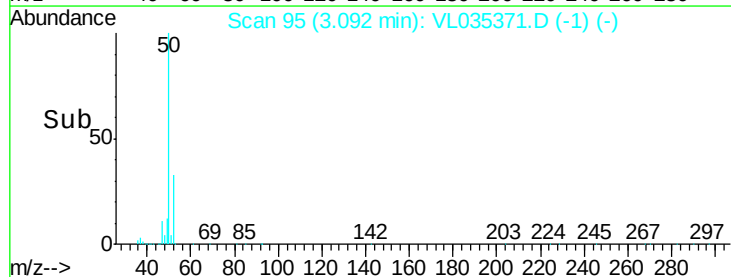
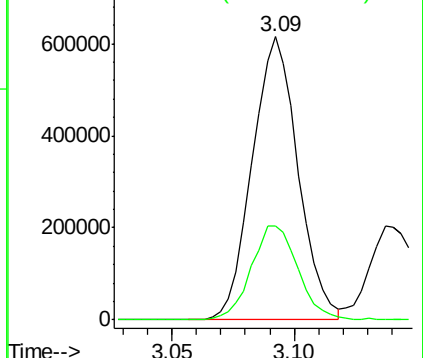
50 100

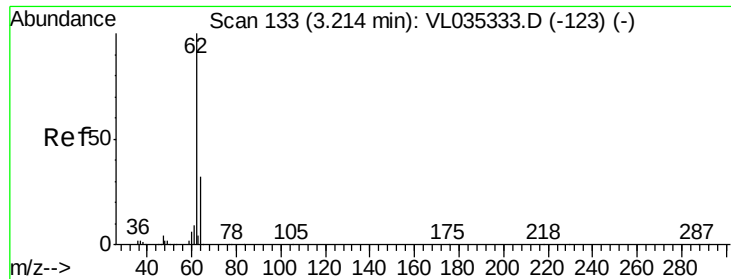
52 33.1 26.0 39.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.107 ppbv

RT: 3.21 min Scan# 132

Delta R.T. -0.00 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 813696

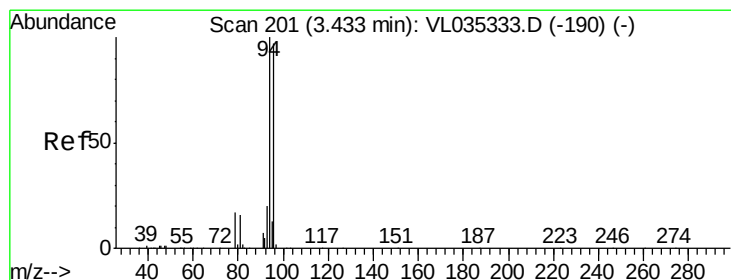
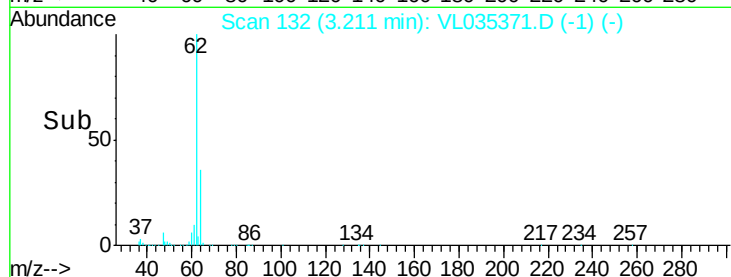
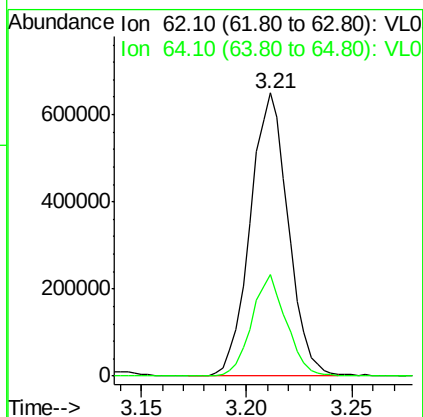
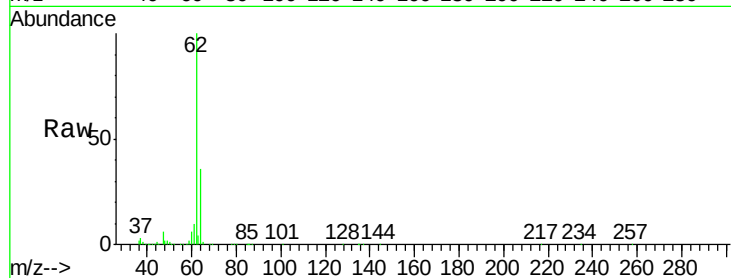
Ion Ratio Lower Upper

62 100

64 35.8 25.8 38.6

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#6

Bromomethane

Concen: 9.789 ppbv

RT: 3.43 min Scan# 200

Delta R.T. -0.00 min

Lab File: VL035371.D

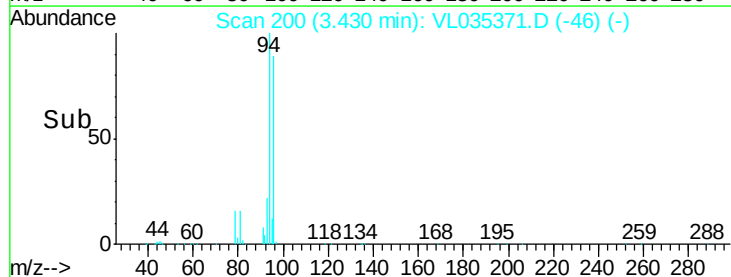
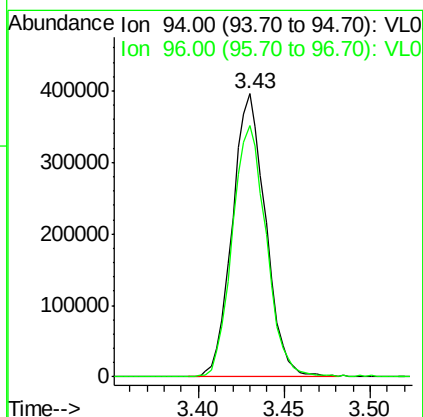
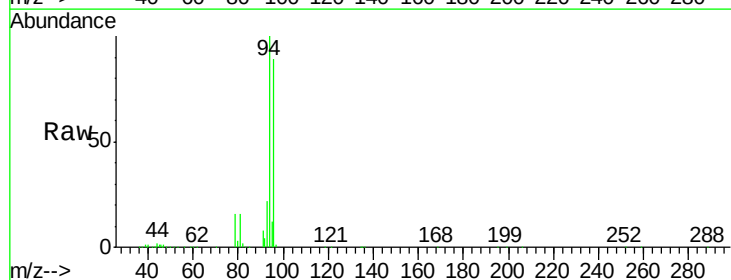
Acq: 10 Aug 2020 9:56

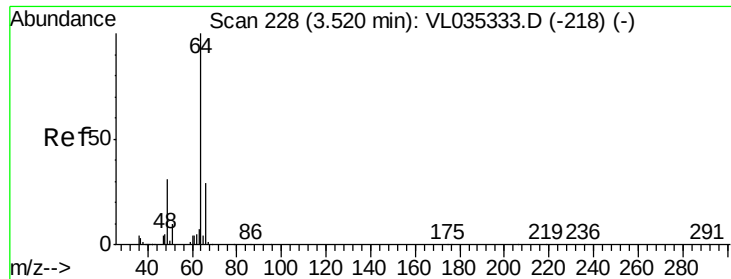
Tgt Ion: 94 Resp: 535811

Ion Ratio Lower Upper

94 100

96 88.9 77.3 115.9





#7

Chloroethane

Concen: 9.445 ppbv

RT: 3.51 min Scan# 226

Delta R.T. -0.01 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 313415

Ion Ratio Lower Upper

64 100

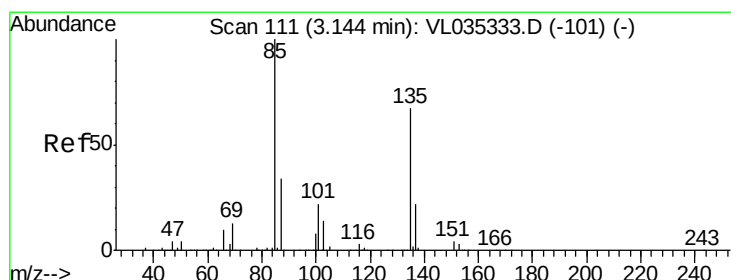
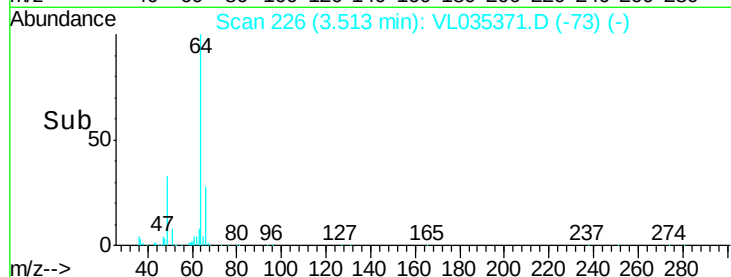
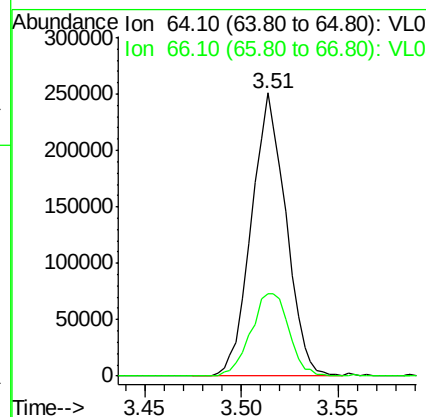
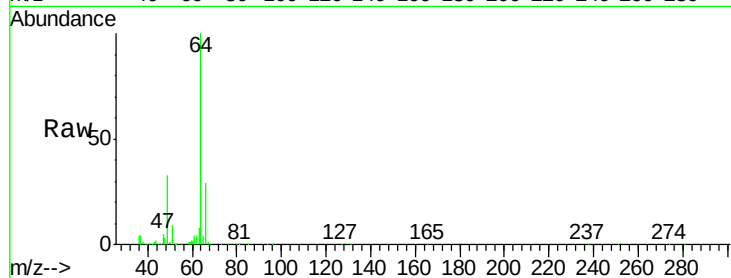
66 29.0 23.0 34.6

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 9.365 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL035371.D

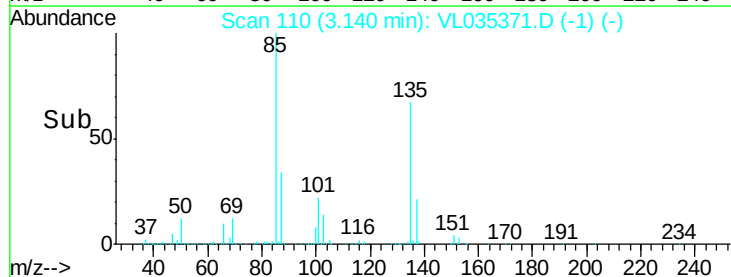
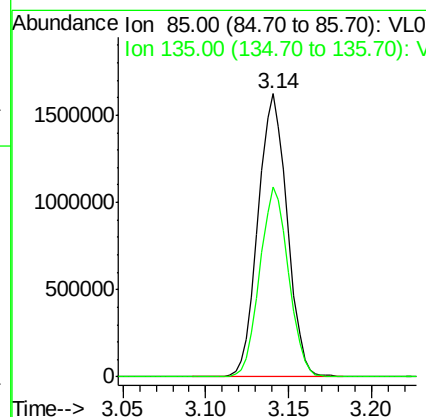
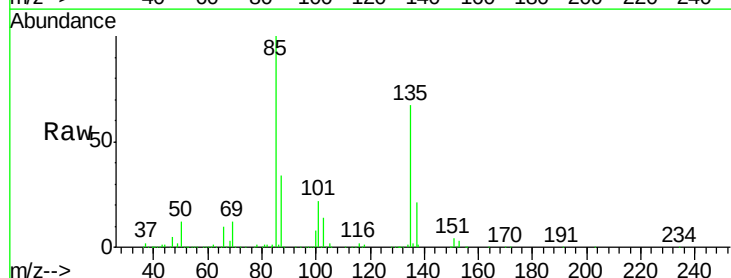
Acq: 10 Aug 2020 9:56

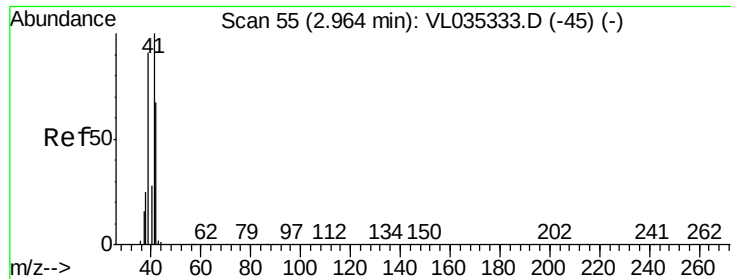
Tgt Ion: 85 Resp: 1978815

Ion Ratio Lower Upper

85 100

135 66.4 54.5 81.7





#9

Propene

Concen: 9.804 ppbv

RT: 2.96 min Scan# 54

Delta R.T. -0.00 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 41 Resp: 535993

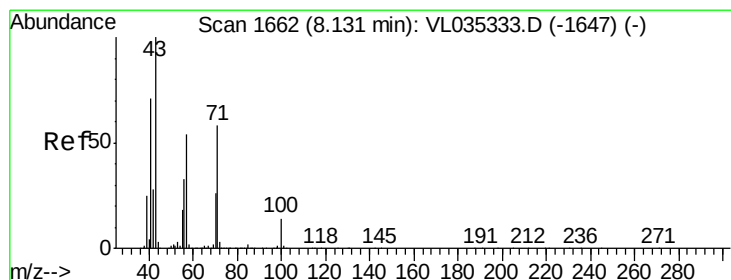
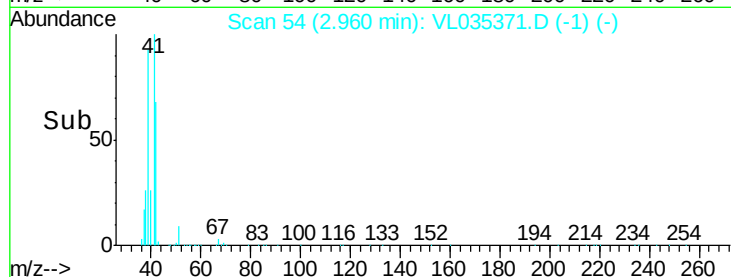
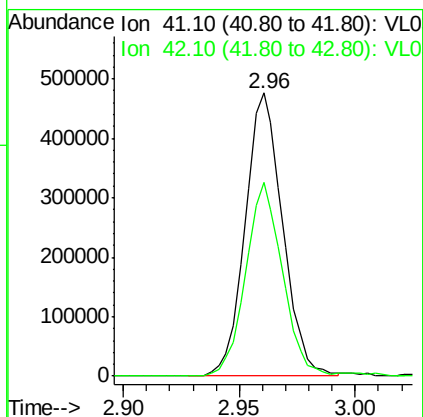
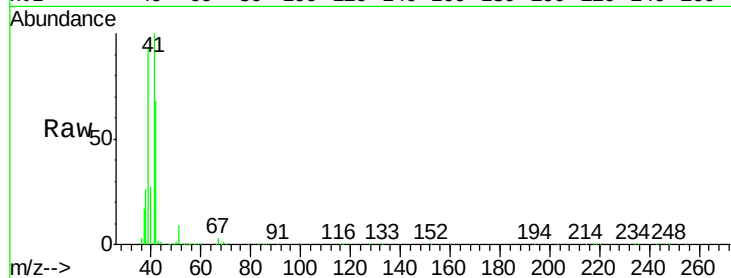
Ion Ratio Lower Upper

41 100

42 68.3 55.3 82.9

Manual Integrations
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#10

Heptane

Concen: 11.358 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VL035371.D

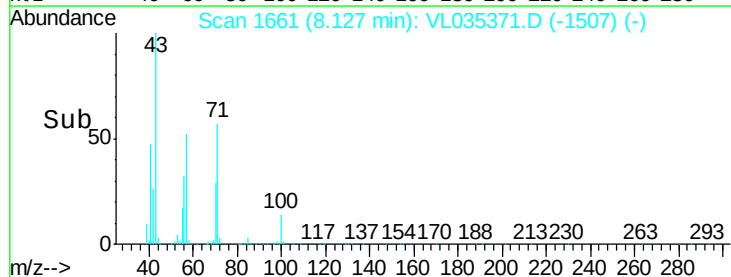
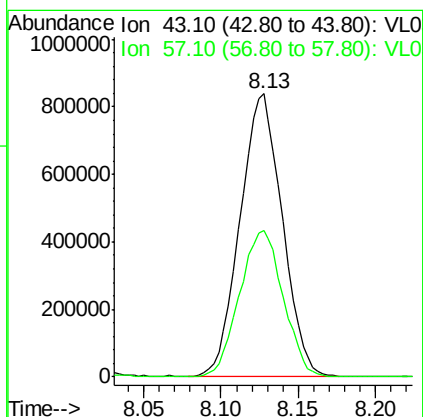
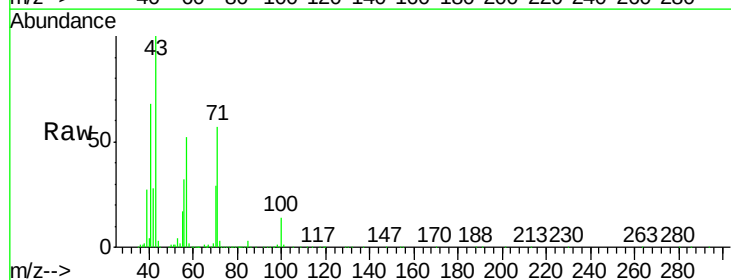
Acq: 10 Aug 2020 9:56

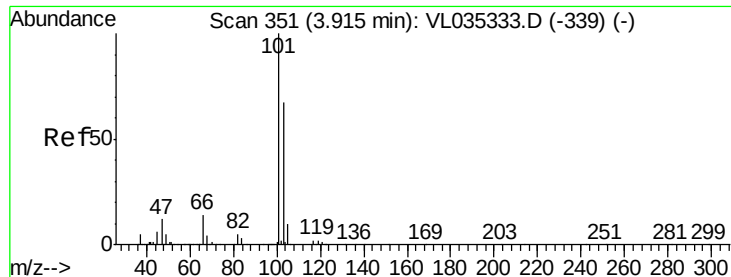
Tgt Ion: 43 Resp: 1586088

Ion Ratio Lower Upper

43 100

57 53.6 43.0 64.6





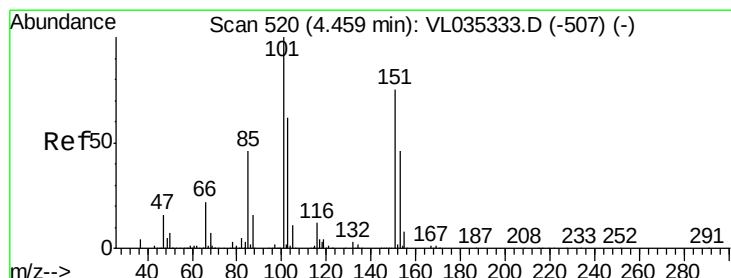
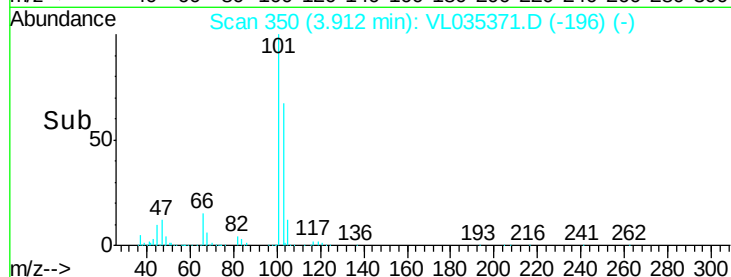
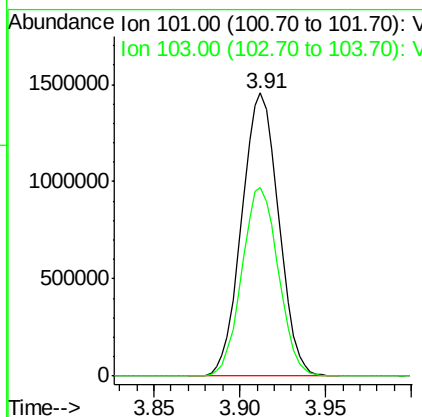
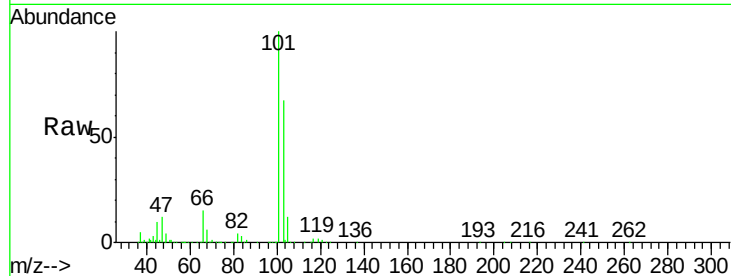
#11
 Trichlorofluoromethane
 Concen: 9.377 ppbv
 RT: 3.91 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VL035371.D
 Acq: 10 Aug 2020 9:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:101 Resp: 2171971
 Ion Ratio Lower Upper
 101 100
 103 66.5 53.8 80.8

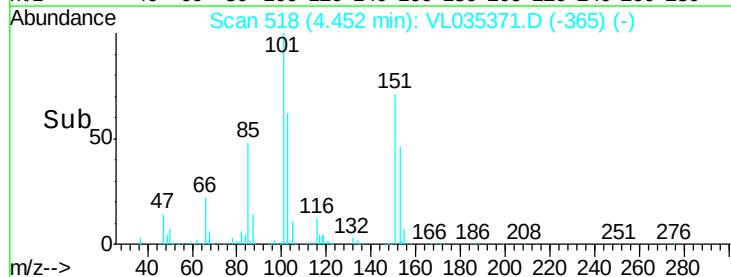
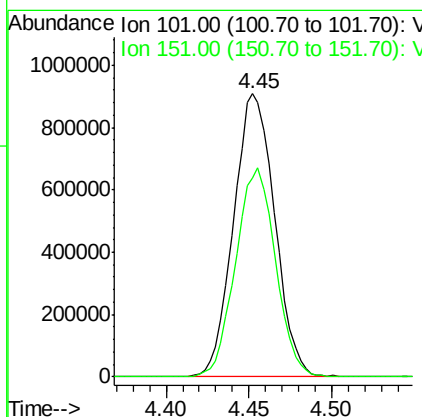
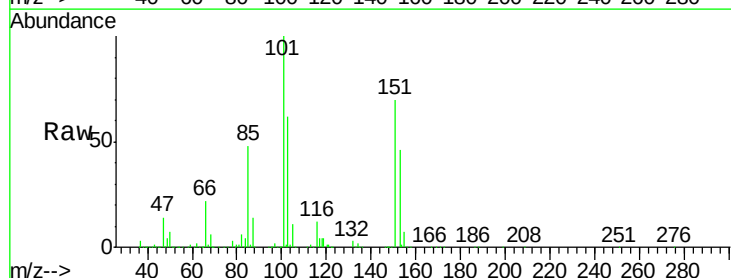
Manual Integrations
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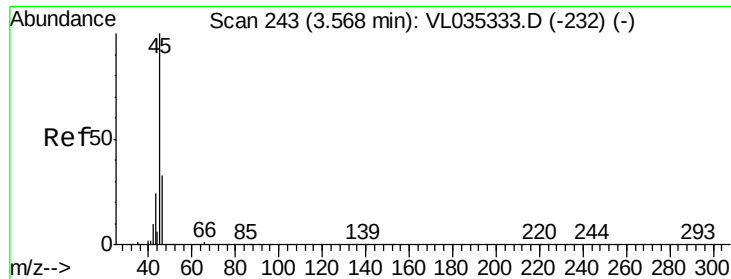
MMDadoda
 8/12/2020 3:58:18 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.475 ppbv
 RT: 4.45 min Scan# 518
 Delta R.T. -0.01 min
 Lab File: VL035371.D
 Acq: 10 Aug 2020 9:56

Tgt Ion:101 Resp: 1568543
 Ion Ratio Lower Upper
 101 100
 151 71.8 59.5 89.3





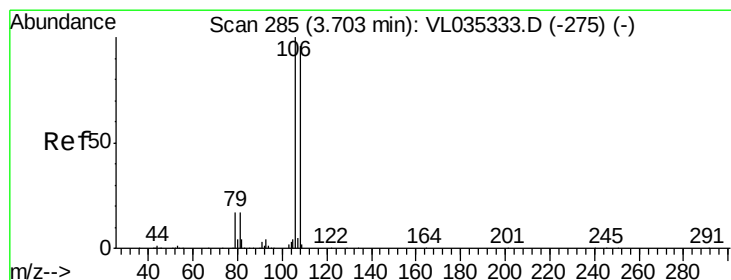
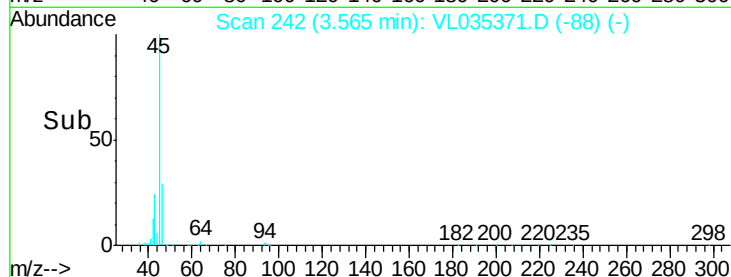
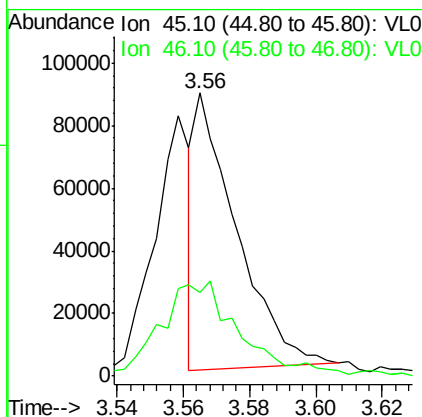
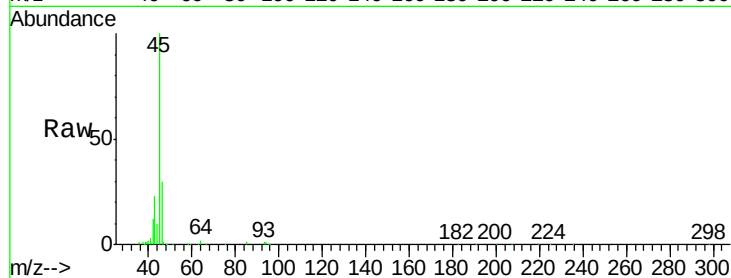
#13
Ethanol
Concen: 4.081 ppbv
RT: 3.56 min Scan# 242
Delta R.T. -0.00 min
Lab File: VL035371.D
Acq: 10 Aug 2020 9:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 45 Resp: 76947
Ion Ratio Lower Upper
45 100
46 67.8 15.2 61.0#

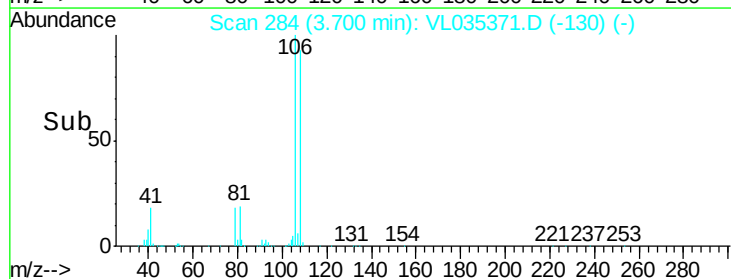
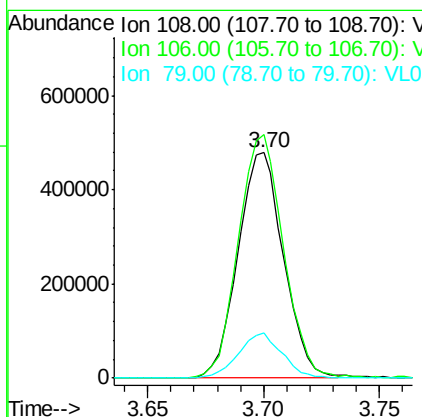
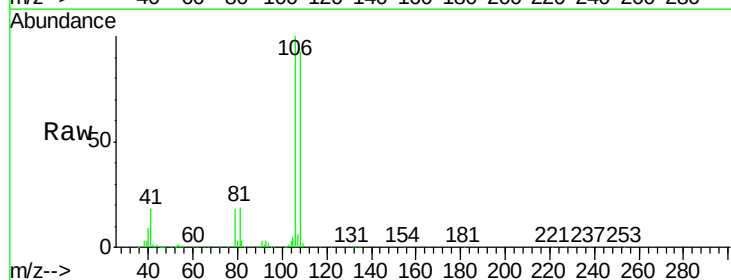
Manual Integrations
APPROVED

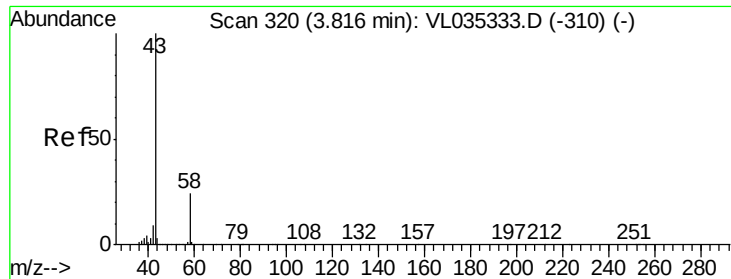
MMDadoda
8/12/2020 3:58:18 PM



#14
Bromoethene
Concen: 9.823 ppbv
RT: 3.70 min Scan# 284
Delta R.T. -0.00 min
Lab File: VL035371.D
Acq: 10 Aug 2020 9:56

Tgt Ion: 108 Resp: 652097
Ion Ratio Lower Upper
108 100
106 107.8 85.0 127.6
79 19.4 15.0 22.6





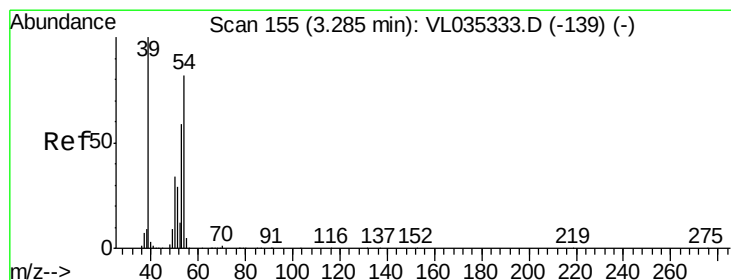
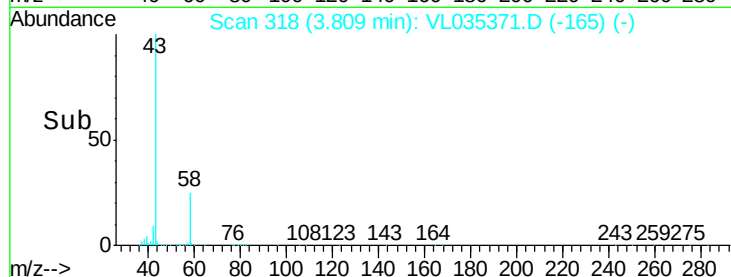
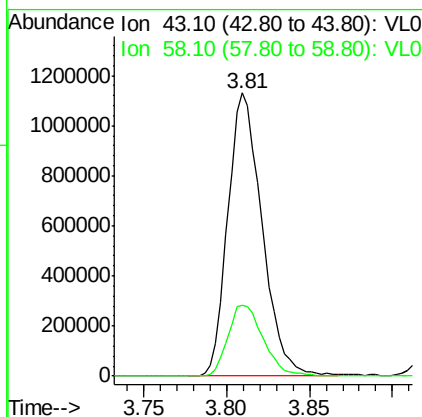
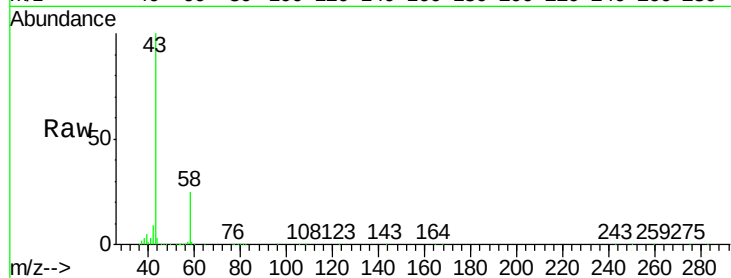
#15
Acetone
Concen: 8.479 ppbv
RT: 3.81 min Scan# 318
Delta R.T. -0.01 min
Lab File: VL035371.D
Acq: 10 Aug 2020 9:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1618274
Ion Ratio Lower Upper
43 100
58 26.2 21.0 31.4

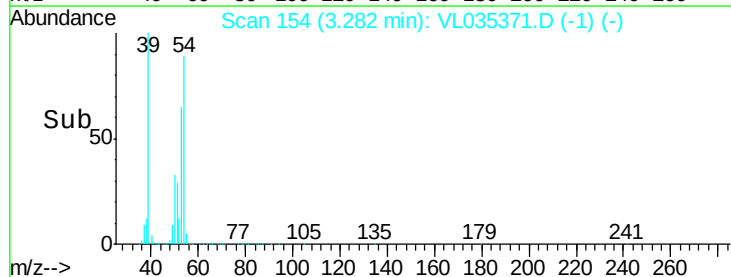
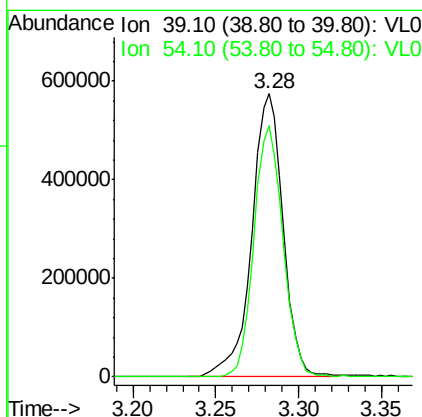
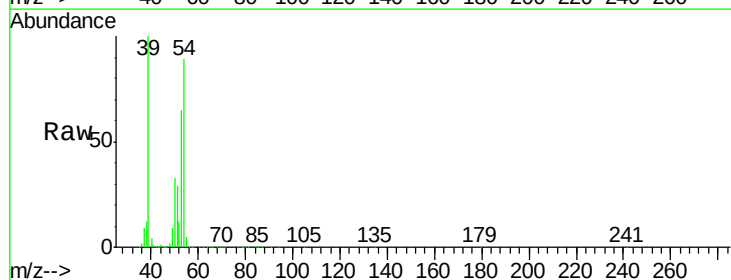
Manual Integrations
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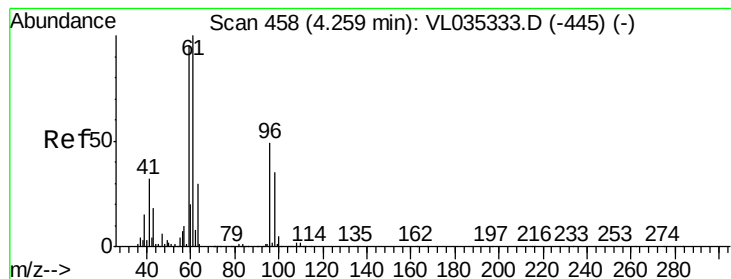
MMDadoda
8/12/2020 3:58:18 PM



#16
1,3-Butadiene
Concen: 10.233 ppbv
RT: 3.28 min Scan# 154
Delta R.T. -0.00 min
Lab File: VL035371.D
Acq: 10 Aug 2020 9:56

Tgt Ion: 39 Resp: 751782
Ion Ratio Lower Upper
39 100
54 82.8 64.4 96.6





#17

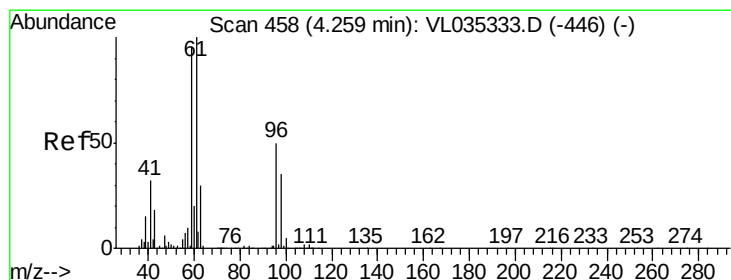
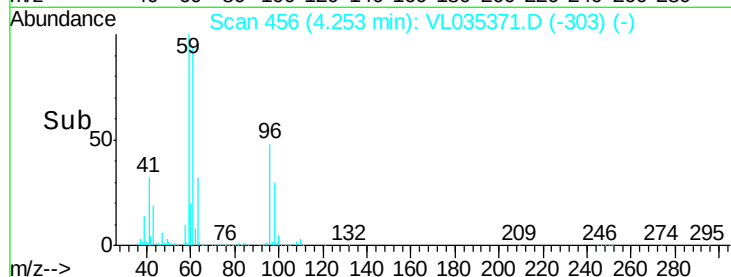
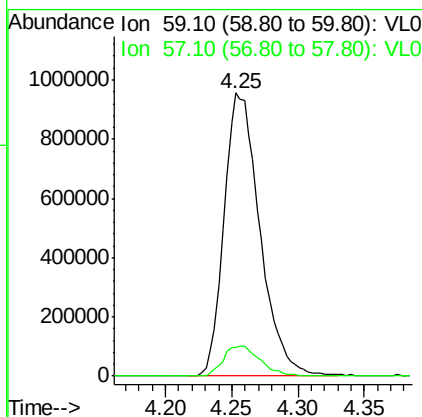
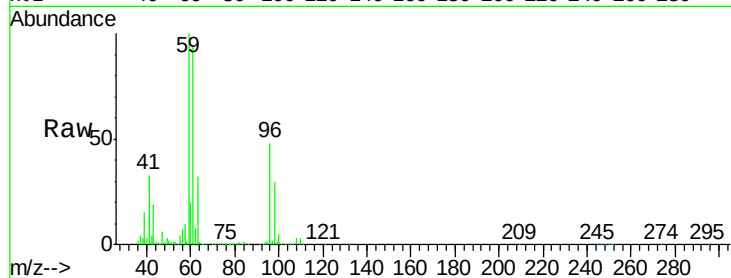
tert-Butyl alcohol
Concen: 10.232 ppbv
RT: 4.25 min Scan# 456
Delta R.T. -0.01 min
Lab File: VL035371.D
Acq: 10 Aug 2020 9:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 59 Resp: 1792424
Ion Ratio Lower Upper
59 100
57 11.1 8.8 13.2

Manual Integrations
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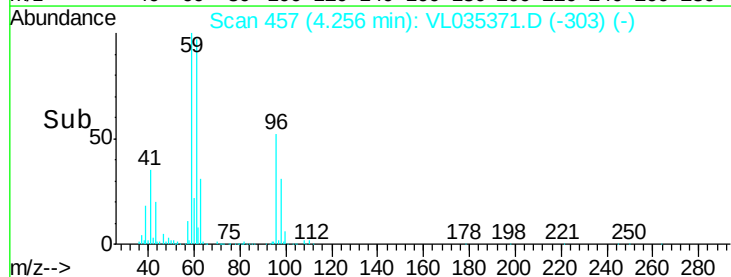
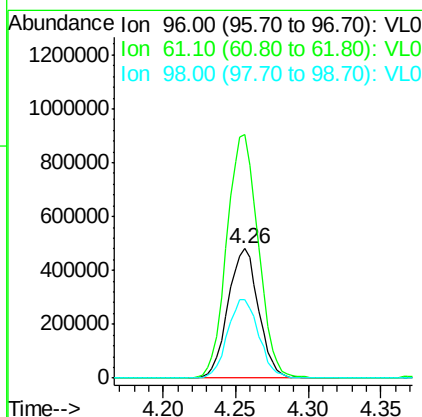
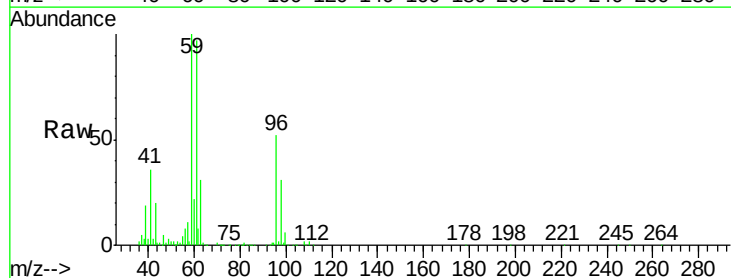
MMDadoda
8/12/2020 3:58:18 PM

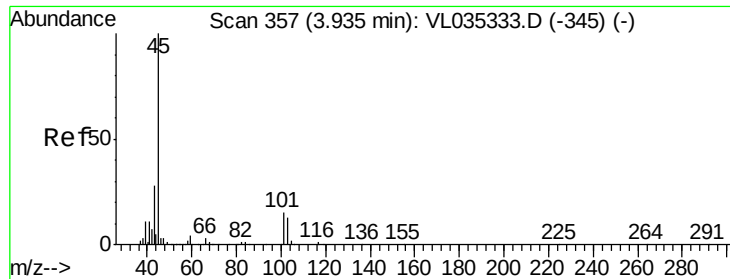


#18

1,1-Dichloroethene
Concen: 9.881 ppbv
RT: 4.26 min Scan# 457
Delta R.T. -0.00 min
Lab File: VL035371.D
Acq: 10 Aug 2020 9:56

Tgt Ion: 96 Resp: 702435
Ion Ratio Lower Upper
96 100
61 187.6 161.4 242.2
98 60.9 56.0 84.0





#19

Isopropyl Alcohol

Concen: 9.536 ppbv

RT: 3.93 min Scan# 356

Delta R.T. -0.00 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

Tot Ion: 45 Resp: 1153722

Ion Ratio Lower Upper

45 100

58 2.6 1.9 2.9

Instrument :

MSVOA_L

ClientSampleId :

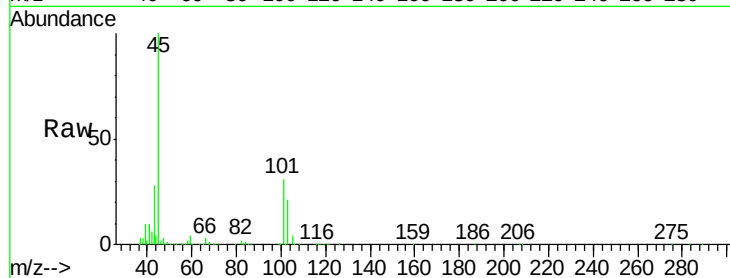
VSTDCCC010

Manual Integrations

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.93

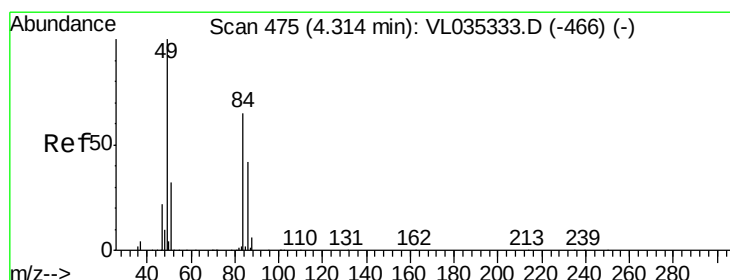
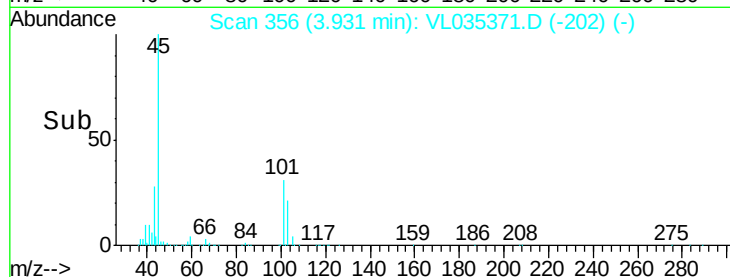
600000

400000

200000

0

Time--> 3.85 3.90 3.95 4.00



#20

Methylene Chloride

Concen: 8.076 ppbv

RT: 4.31 min Scan# 474

Delta R.T. -0.00 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

Tgt Ion: 84 Resp: 628559

Ion Ratio Lower Upper

84 100

49 148.9 122.8 184.2

51 45.7 40.1 60.1

86 62.9 51.7 77.5

Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

1000000

800000

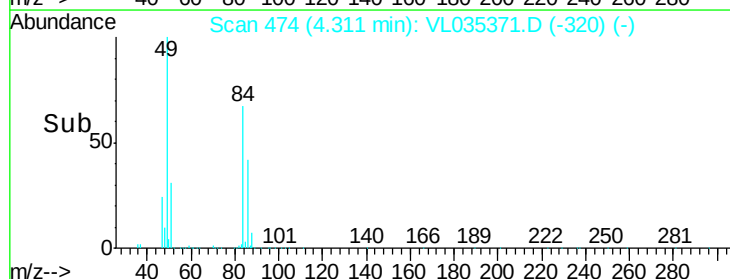
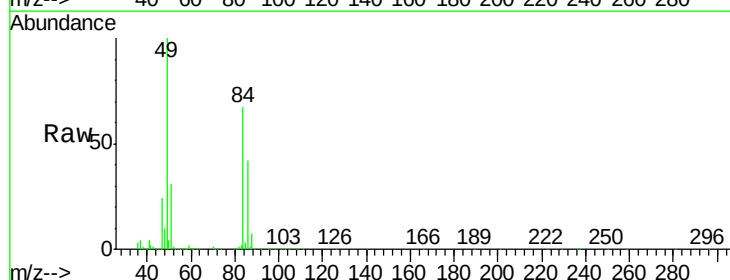
600000

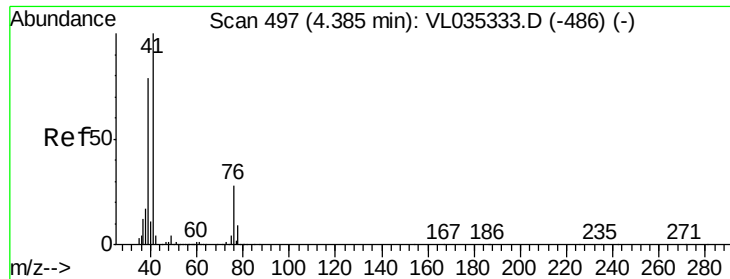
400000

200000

0

Time--> 4.25 4.30 4.35





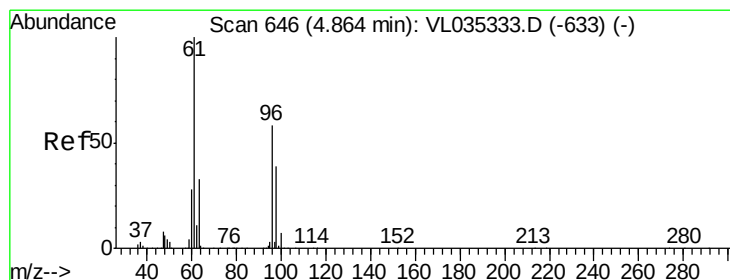
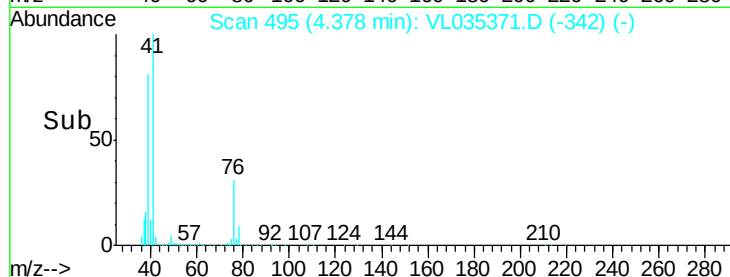
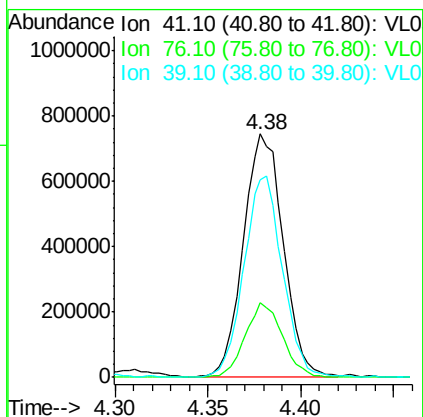
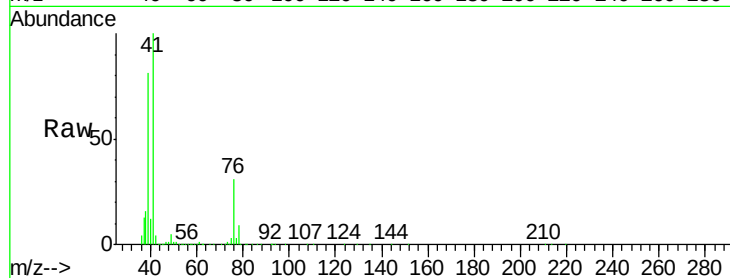
#21
Allvl Chloride
Concen: 10.122 ppbv
RT: 4.38 min Scan# 495
Delta R.T. -0.01 min
Lab File: VL035371.D
Acq: 10 Aug 2020 9:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.9	23.8	35.6
39	80.4	65.0	97.6

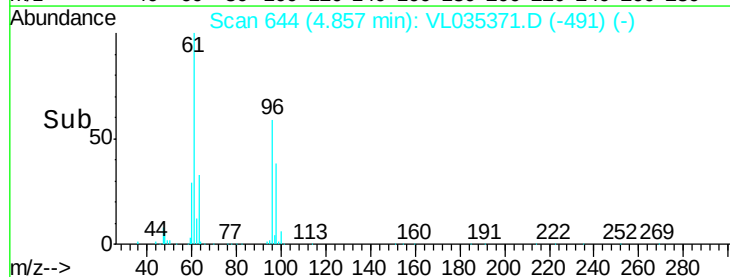
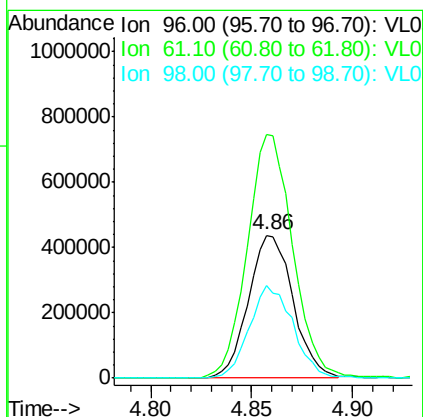
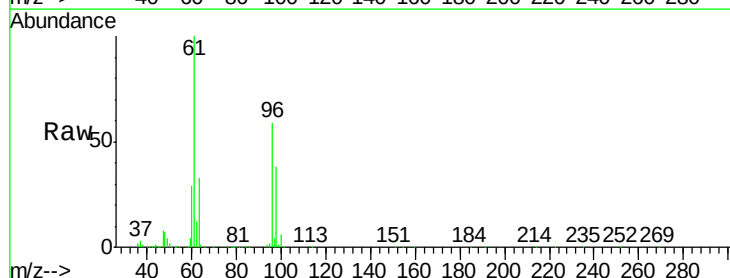
Manual Integrations
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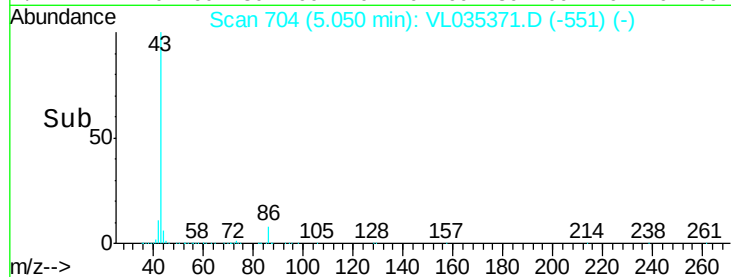
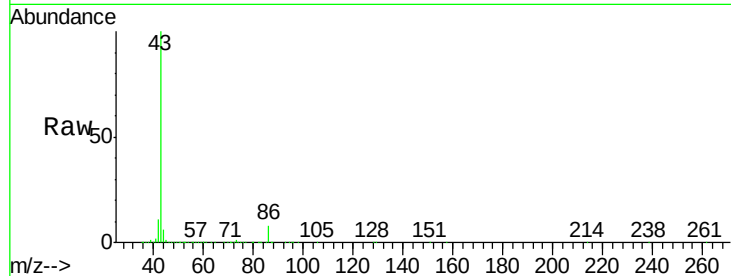
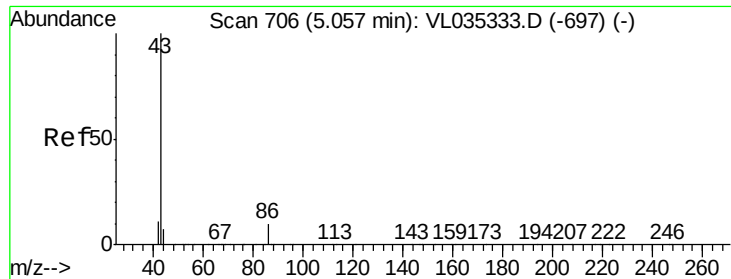
MMDadoda
8/12/2020 3:58:18 PM



#22
trans-1,2-Dichloroethene
Concen: 9.815 ppbv
RT: 4.86 min Scan# 644
Delta R.T. -0.01 min
Lab File: VL035371.D
Acq: 10 Aug 2020 9:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.2	138.5	207.7
98	65.1	54.3	81.5





#23

Vinyl Acetate

Concen: 10.734 ppbv

RT: 5.05 min Scan# 704

Delta R.T. -0.01 min

Lab File: VL035371.D

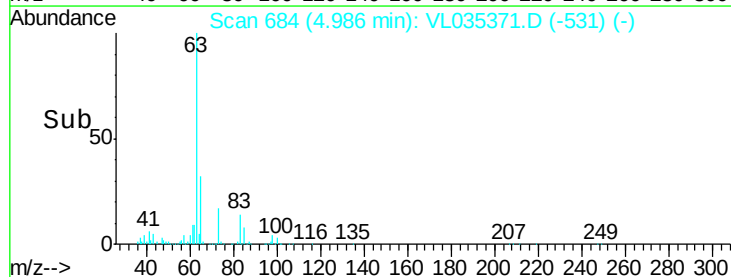
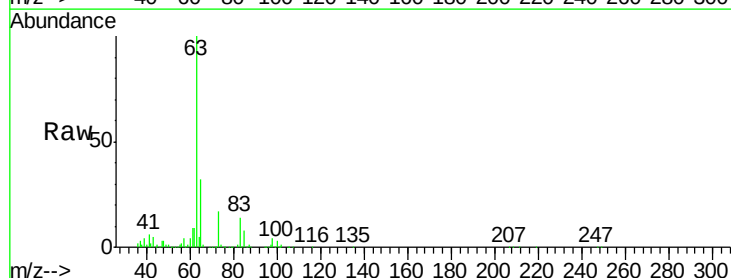
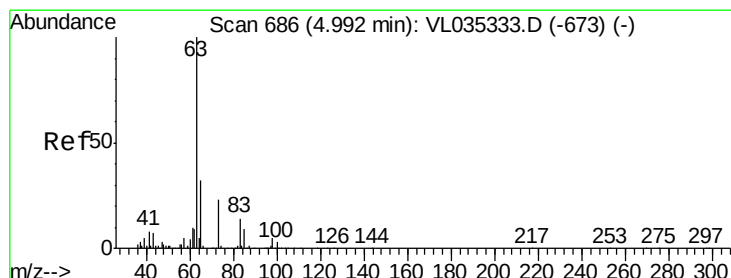
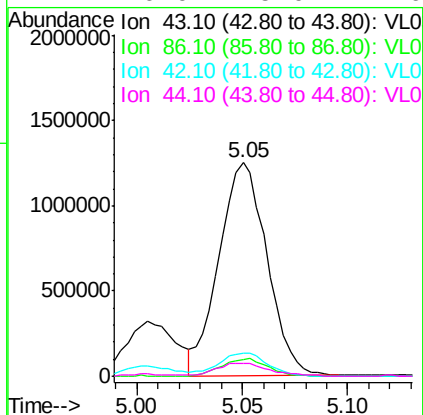
Acq: 10 Aug 2020 9:56

Tot Ion	43	Resp	1964490
Ion	Ratio	Lower	Upper
43	100		
86	7.6	6.9	10.3
42	10.9	8.8	13.2
44	6.0	5.0	7.6

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 9.615 ppbv

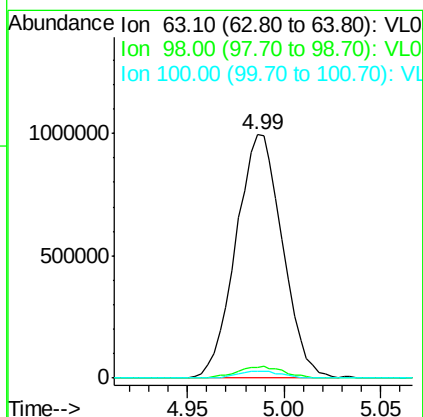
RT: 4.99 min Scan# 684

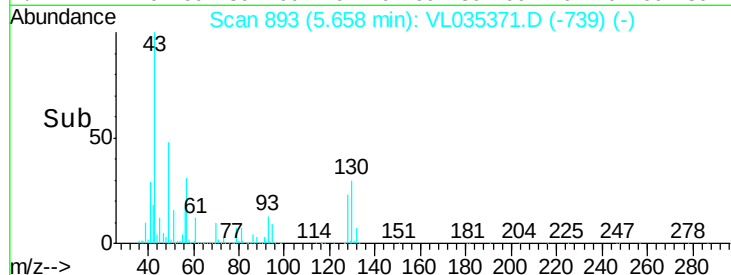
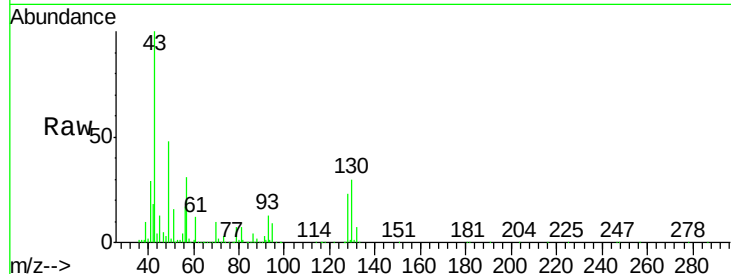
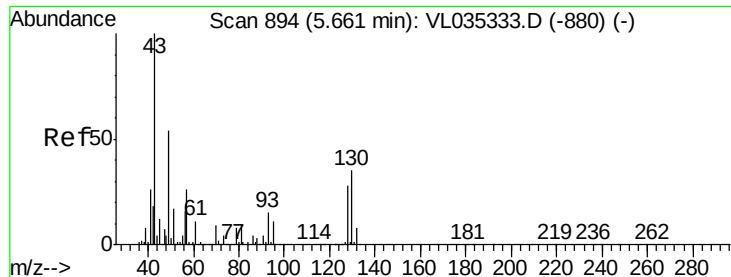
Delta R.T. -0.01 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

Tgt Ion	63	Resp	1653761
Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.5	7.5
100	3.1	1.4	4.2





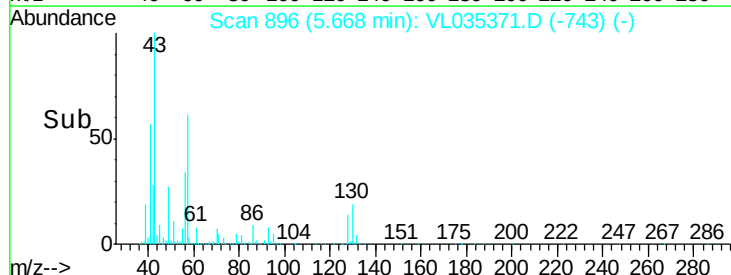
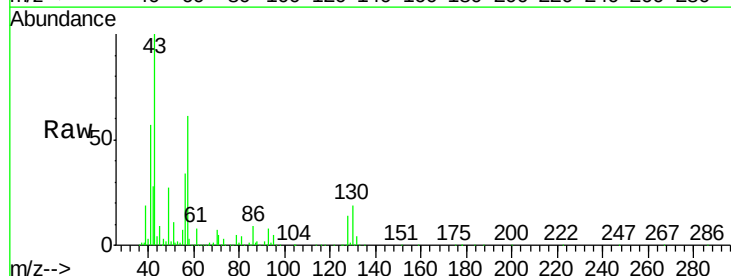
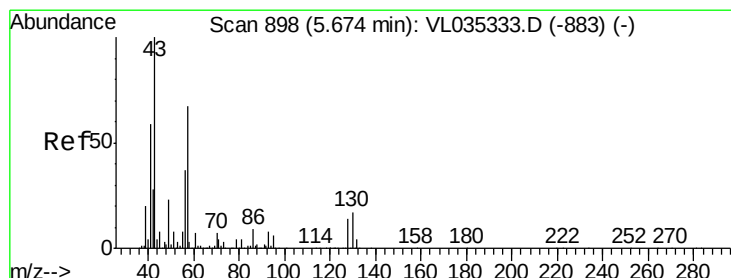
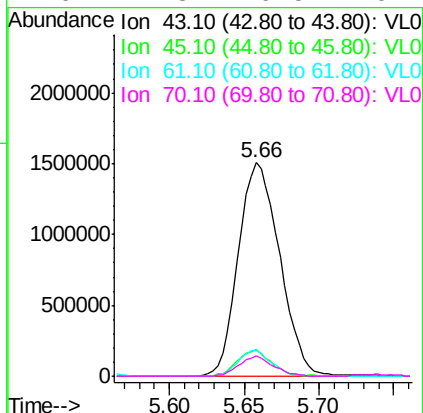
#25
Ethyl Acetate
Concen: 9.995 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.00 min
Lab File: VL035371.D
Acq: 10 Aug 2020 9:56

Tot Ion	43	Resp	2898615
Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.5	12.7
61	10.1	8.1	12.1
70	7.8	6.5	9.7

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

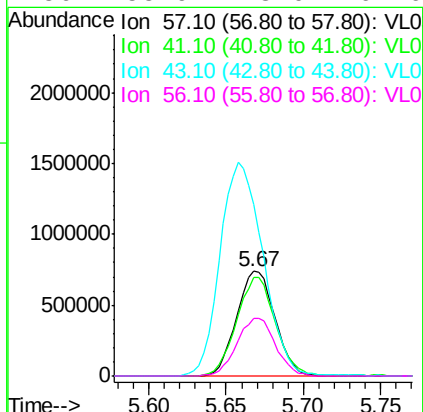
Manual Integrations
APPROVED

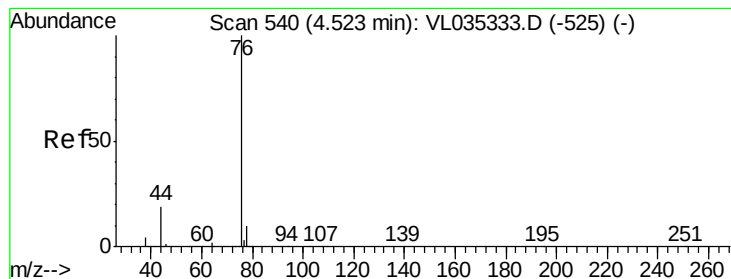
MMDadoda
8/12/2020 3:58:18 PM



#26
Hexane
Concen: 10.089 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.01 min
Lab File: VL035371.D
Acq: 10 Aug 2020 9:56

Tgt Ion	57	Resp	1269185
Ion	Ratio	Lower	Upper
57	100		
41	96.0	75.2	112.8
43	230.0	180.6	270.8
56	55.9	43.0	64.6





#27

Carbon Disulfide

Concen: 10.427 ppbv

RT: 4.52 min Scan# 539

Delta R.T. -0.00 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 1834198

Ion Ratio Lower Upper

76 100

44 18.5 15.4 23.2

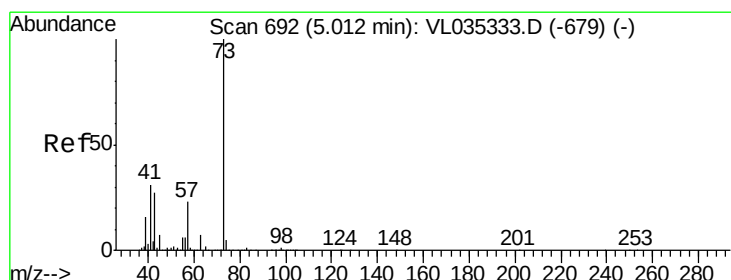
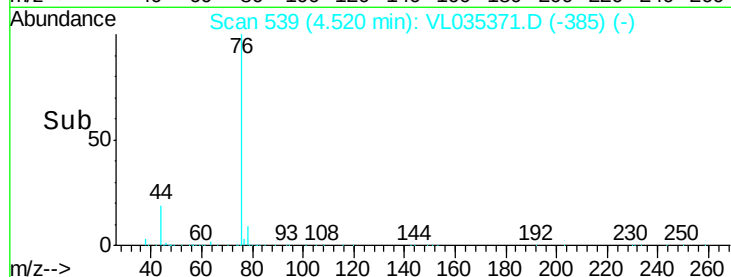
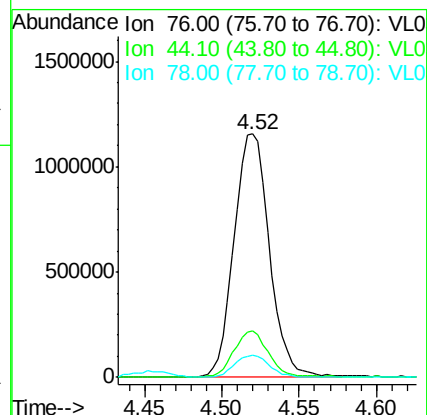
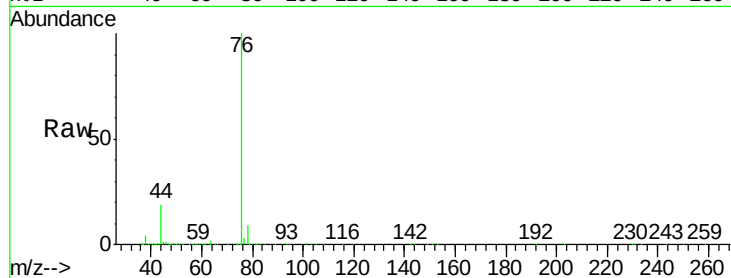
78 9.1 7.7 11.5

Manual Integrations

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MMDadoda

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#28

Methyl tert-Butyl Ether

Concen: 10.782 ppbv

RT: 5.01 min Scan# 690

Delta R.T. -0.01 min

Lab File: VL035371.D

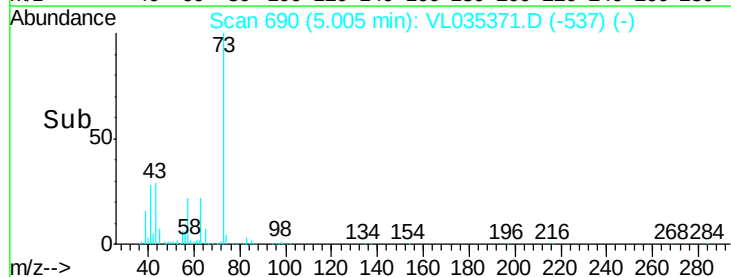
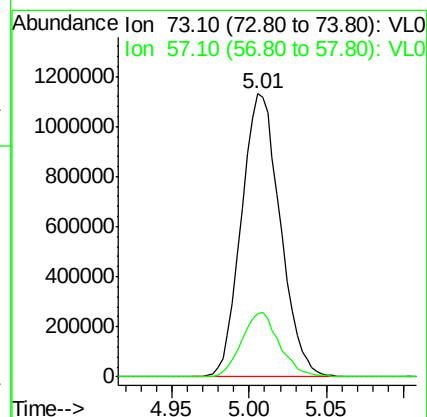
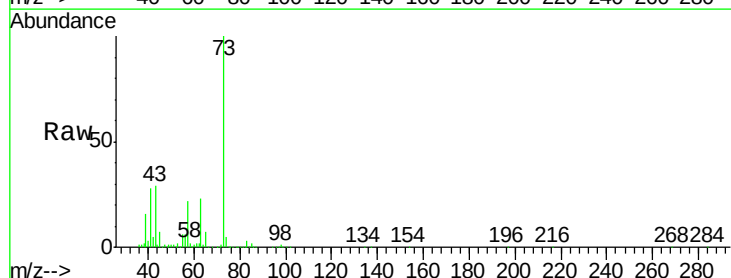
Acq: 10 Aug 2020 9:56

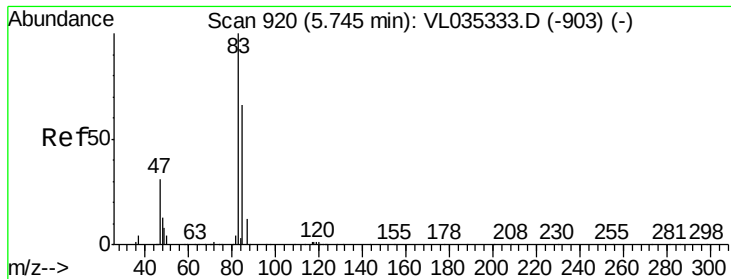
Tgt Ion: 73 Resp: 1972029

Ion Ratio Lower Upper

73 100

57 22.3 17.9 26.9





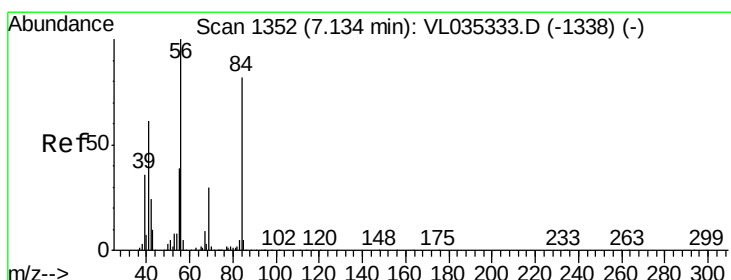
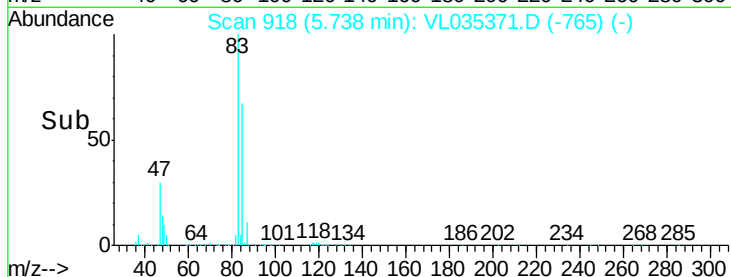
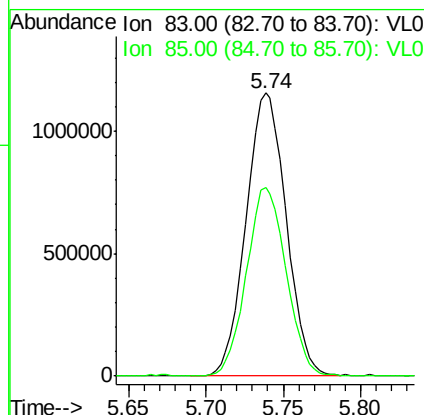
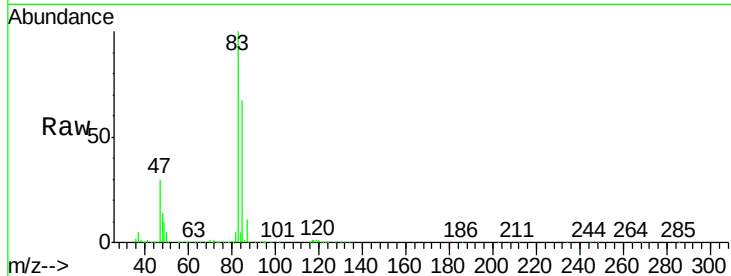
#29
Chloroform
Concen: 9.638 ppbv
RT: 5.74 min Scan# 918
Delta R.T. -0.01 min
Lab File: VL035371.D
Acq: 10 Aug 2020 9:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 2090264
Ion Ratio Lower Upper
83 100
85 66.4 52.9 79.3

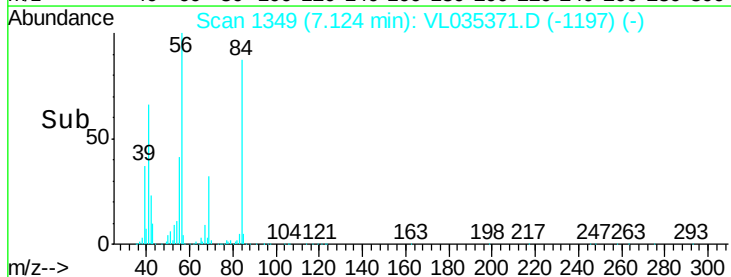
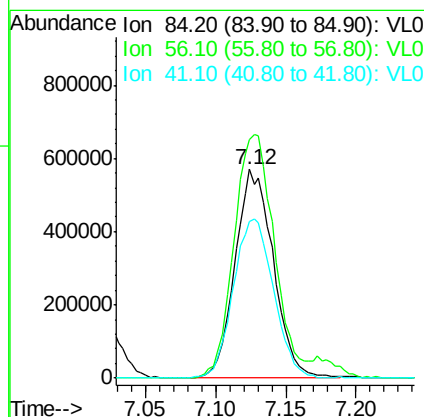
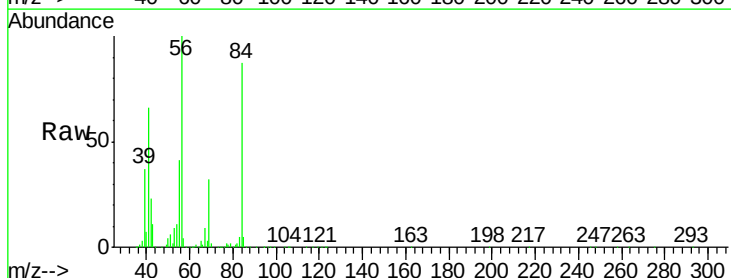
Manual Integrations
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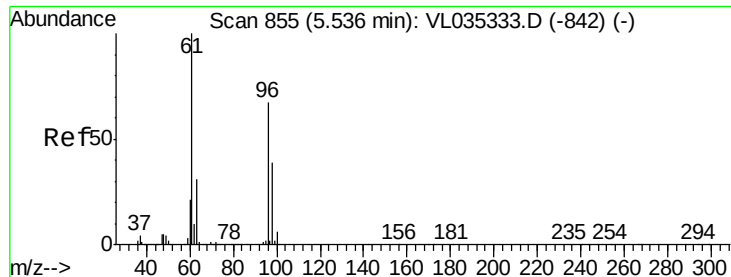
MMDadoda
8/12/2020 3:58:18 PM



#30
Cyclohexane
Concen: 11.383 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. -0.01 min
Lab File: VL035371.D
Acq: 10 Aug 2020 9:56

Tgt Ion: 84 Resp: 1085783
Ion Ratio Lower Upper
84 100
56 129.3 104.7 157.1
41 80.2 64.2 96.2





#31

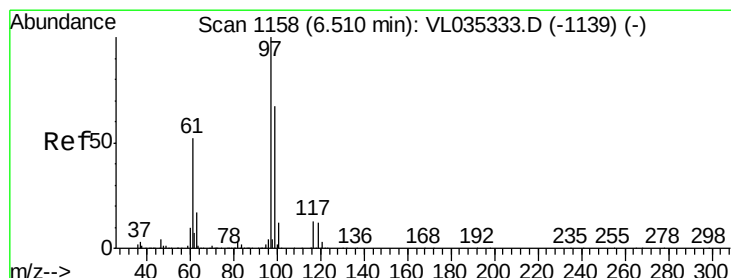
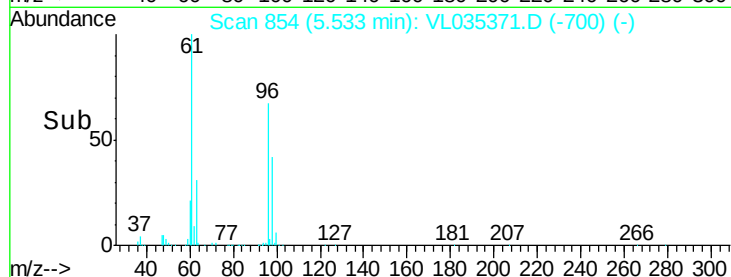
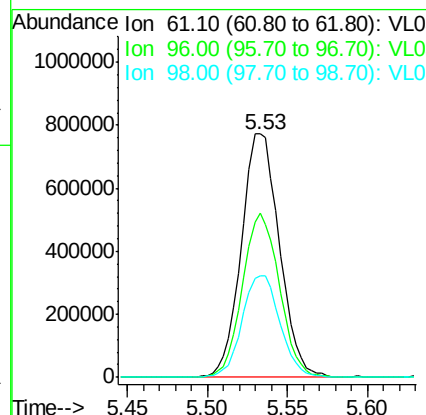
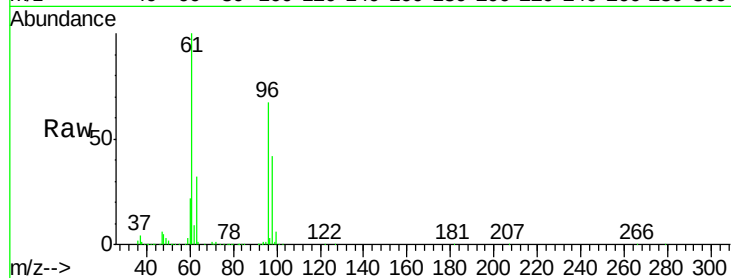
cis-1,2-Dichloroethene
 Concen: 11.209 ppbv
 RT: 5.53 min Scan# 854
 Delta R.T. -0.00 min
 Lab File: VL035371.D
 Acq: 10 Aug 2020 9:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	67.2	53.6	80.4
98	41.9	31.0	46.4

Manual Integrations
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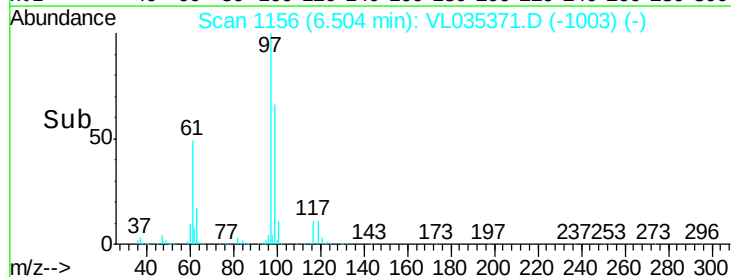
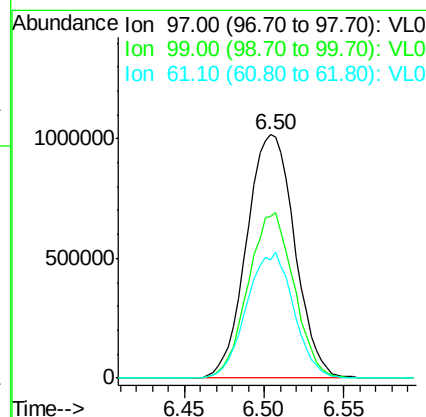
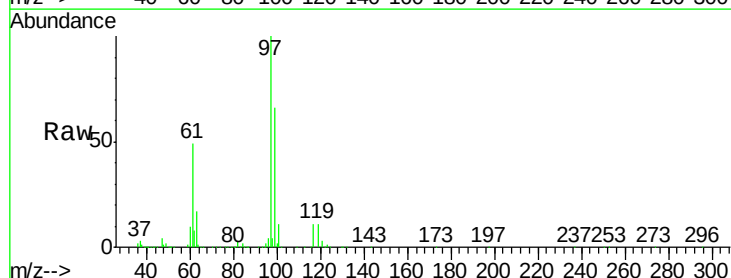
MMDadoda
 8/12/2020 3:58:18 PM

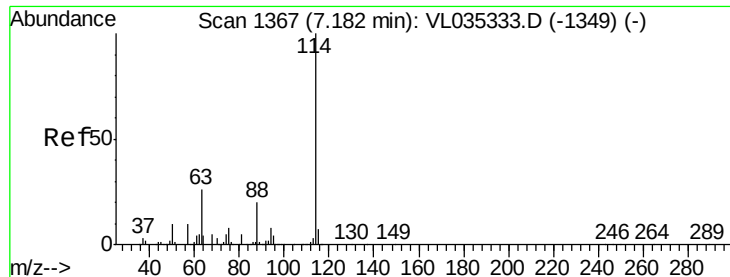


#32

1,1,1-Trichloroethane
 Concen: 9.149 ppbv
 RT: 6.50 min Scan# 1156
 Delta R.T. -0.01 min
 Lab File: VL035371.D
 Acq: 10 Aug 2020 9:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	52.2	78.4
61	50.6	40.9	61.3





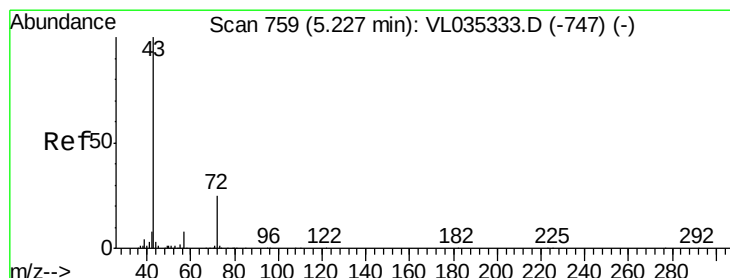
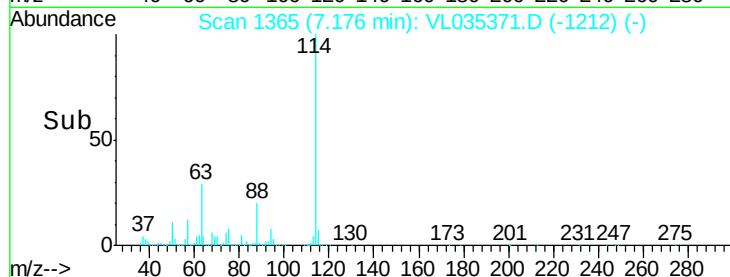
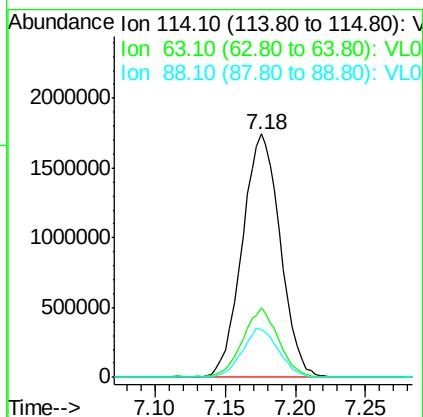
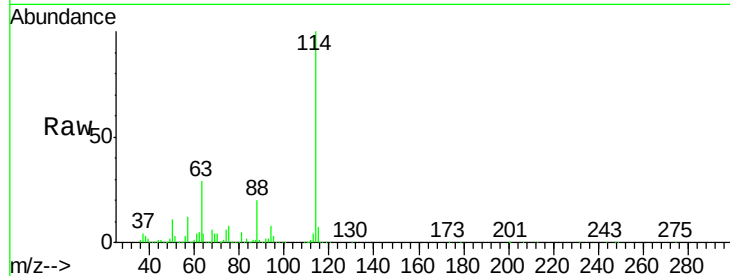
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.01 min
 Lab File: VL035371.D
 Acq: 10 Aug 2020 9:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.3	21.3	31.9
88	19.2	15.3	22.9

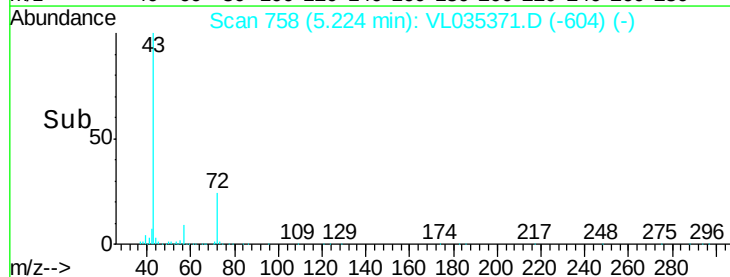
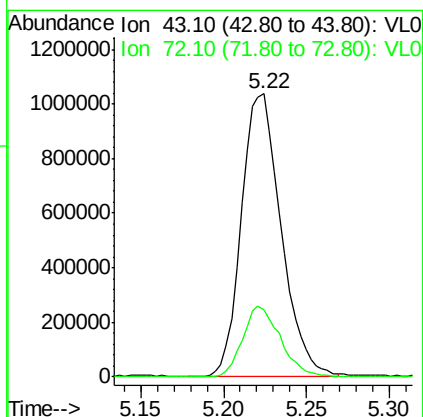
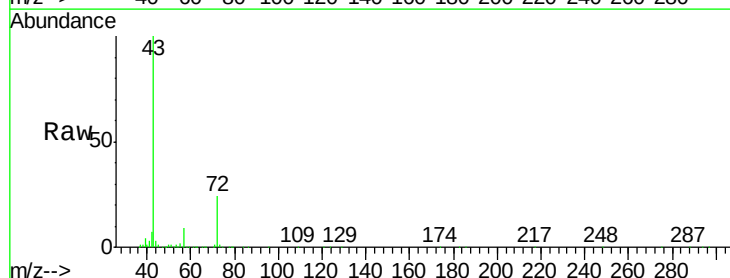
Manual Integrations
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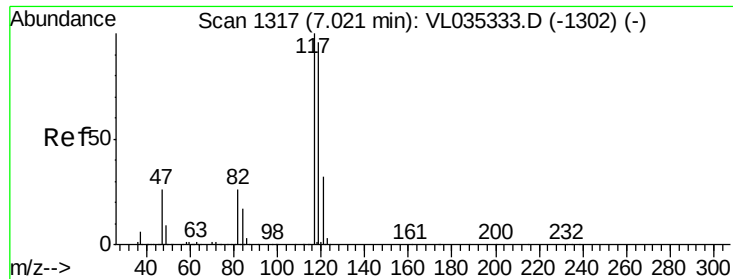
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 8/12/2020 3:58:18 PM



#34
 2-Butanone
 Concen: 10.656 ppbv
 RT: 5.22 min Scan# 758
 Delta R.T. -0.00 min
 Lab File: VL035371.D
 Acq: 10 Aug 2020 9:56

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.8	18.9	28.3





#35

Carbon Tetrachloride

Concen: 9.873 ppbv

RT: 7.01 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:117 Resp: 2238368

Ion Ratio Lower Upper

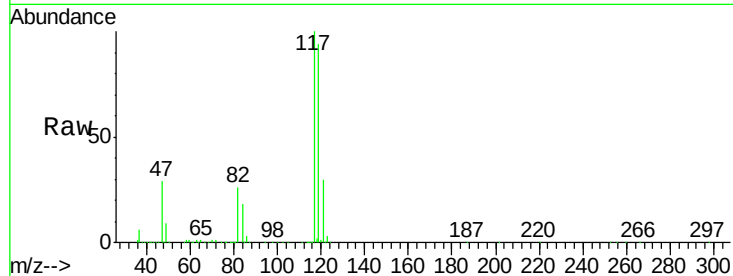
117 100

119 94.0 77.0 115.6

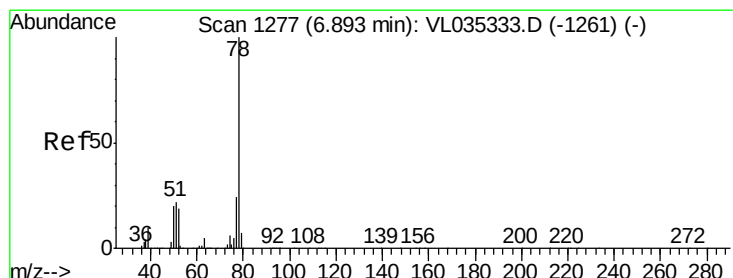
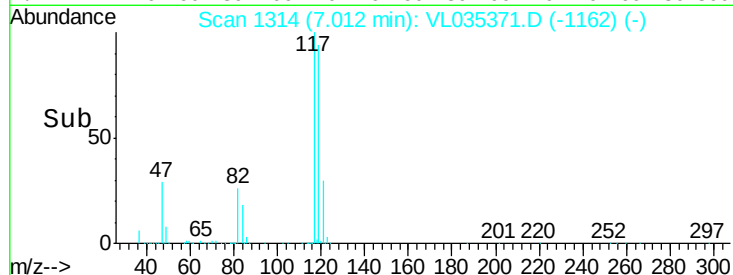
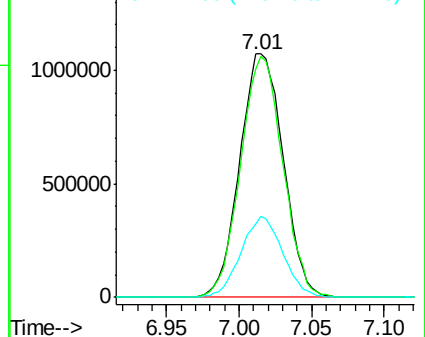
121 29.9 26.0 39.0

Manual Integrations
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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: 11.163 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

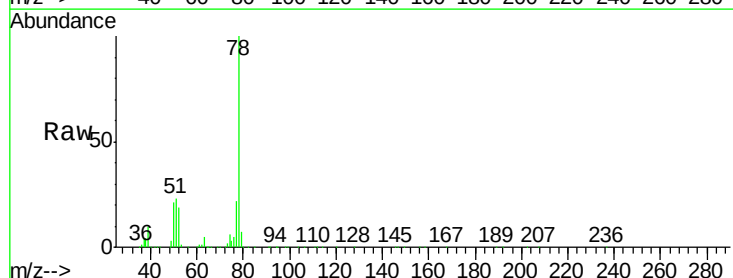
Tgt Ion: 78 Resp: 2483186

Ion Ratio Lower Upper

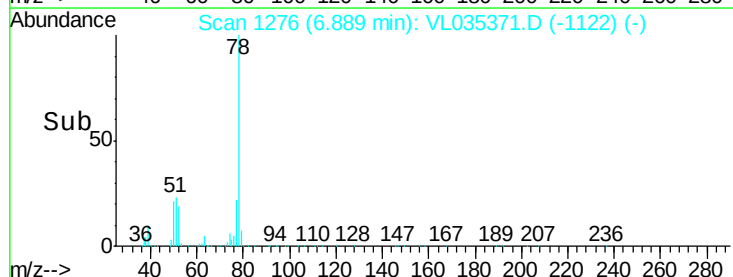
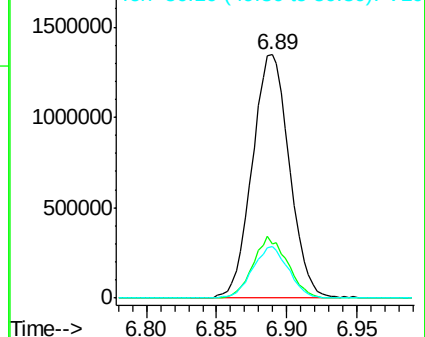
78 100

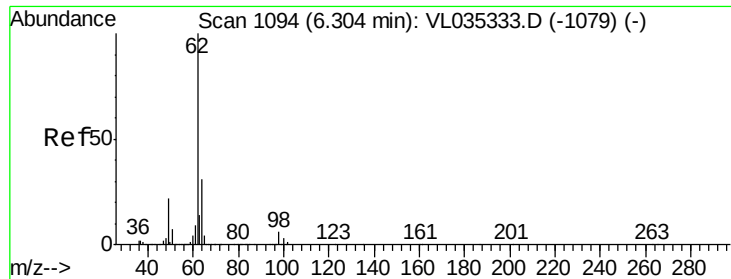
77 22.5 19.3 28.9

50 21.0 16.3 24.5



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





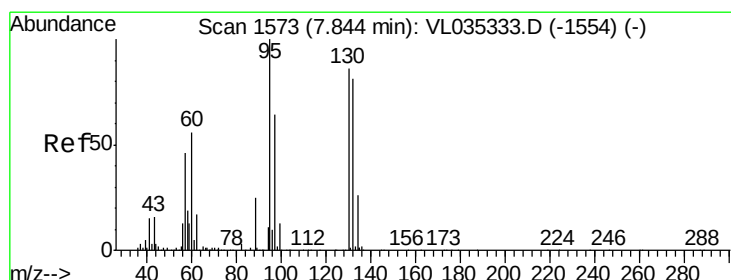
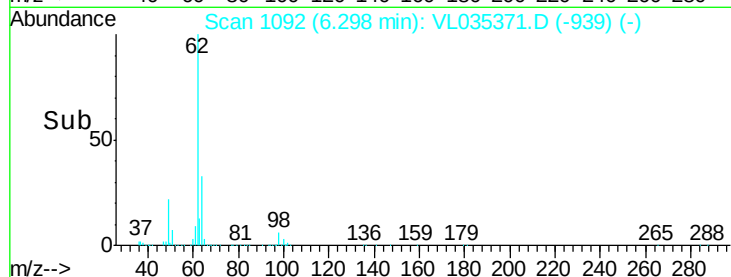
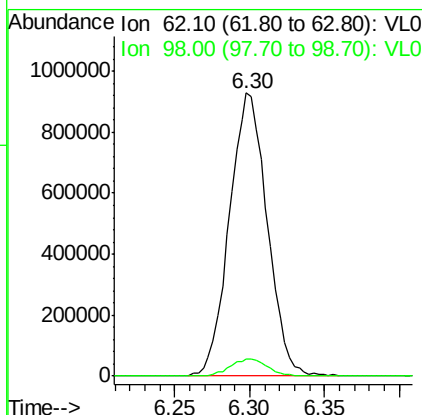
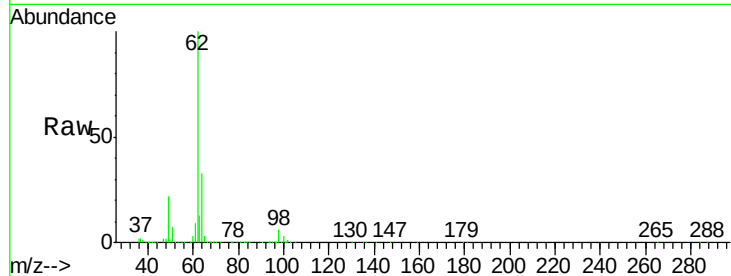
#37
 1,2-Dichloroethane
 Concen: 10.525 ppbv
 RT: 6.30 min Scan# 1092
 Delta R.T. -0.01 min
 Lab File: VL035371.D
 Acq: 10 Aug 2020 9:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 62 Resp: 1635759
 Ion Ratio Lower Upper
 62 100
 98 6.0 4.6 7.0

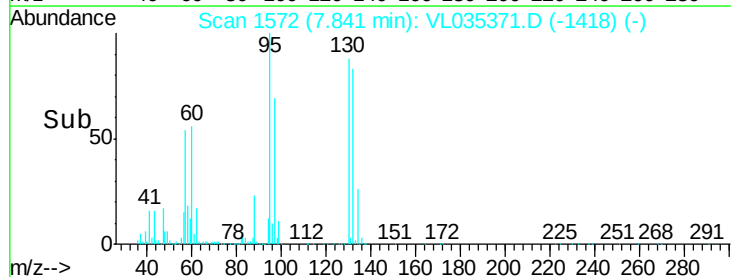
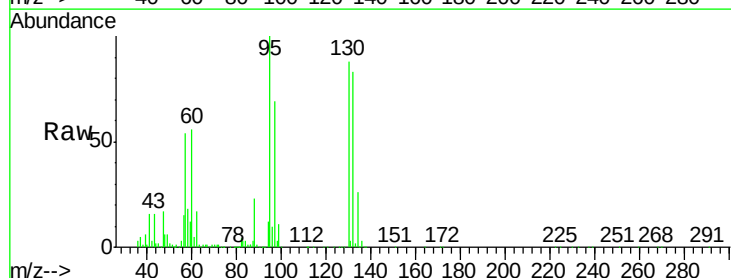
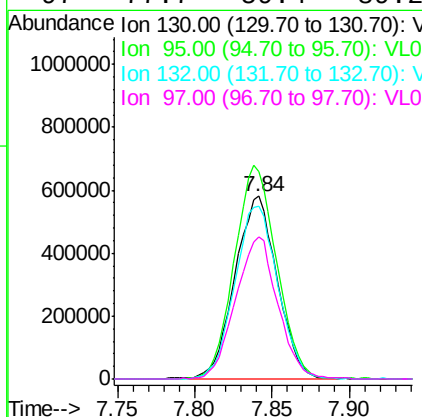
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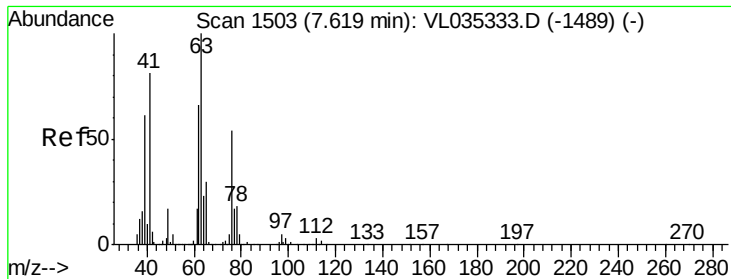
MMDadoda
 8/12/2020 3:58:18 PM



#38
 Trichloroethene
 Concen: 10.745 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VL035371.D
 Acq: 10 Aug 2020 9:56

Tgt Ion: 130 Resp: 1102653
 Ion Ratio Lower Upper
 130 100
 95 112.9 93.4 140.2
 132 94.3 76.1 114.1
 97 77.7 59.4 89.2





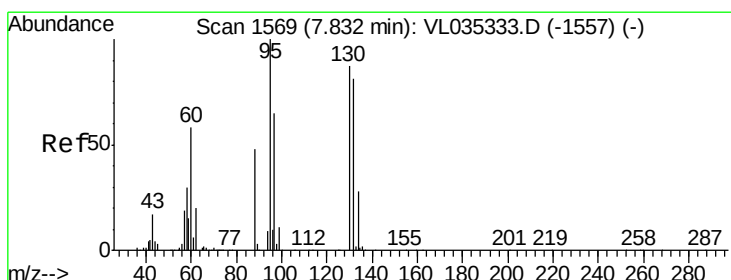
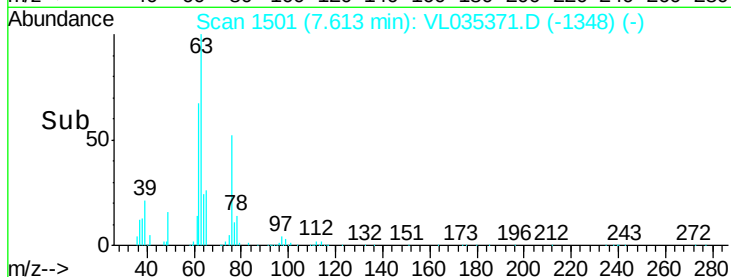
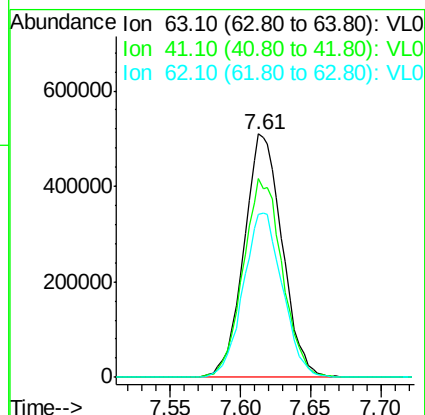
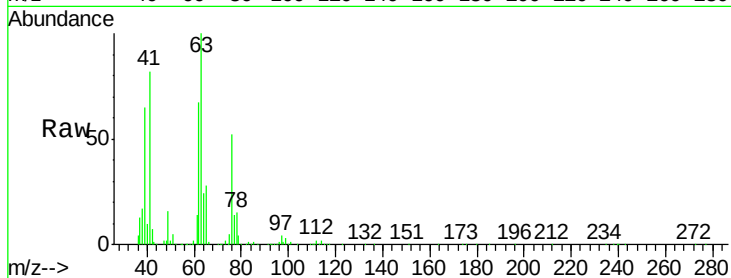
#39
 1,2-Dichloropropane
 Concen: 10.731 ppbv
 RT: 7.61 min Scan# 1501
 Delta R.T. -0.01 min
 Lab File: VL035371.D
 Acq: 10 Aug 2020 9:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
63	100		
41	81.6	64.4	96.6
62	67.2	52.6	78.8

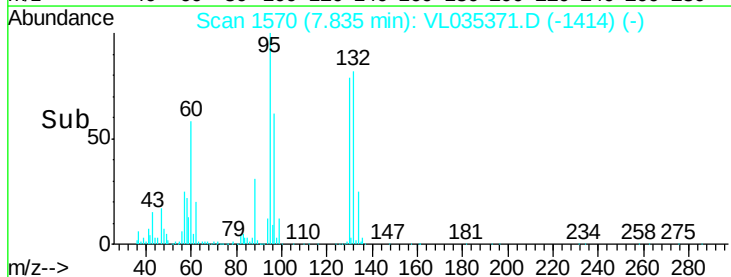
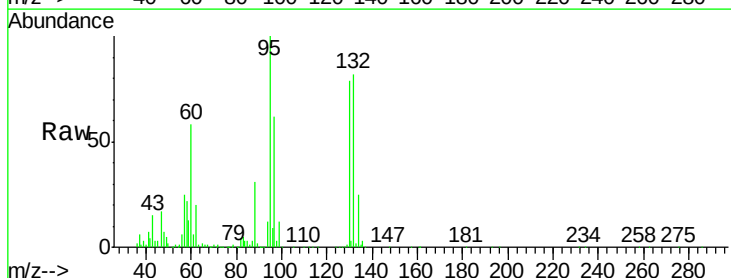
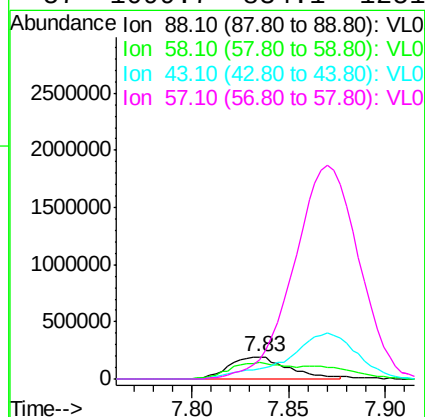
Manual Integrations
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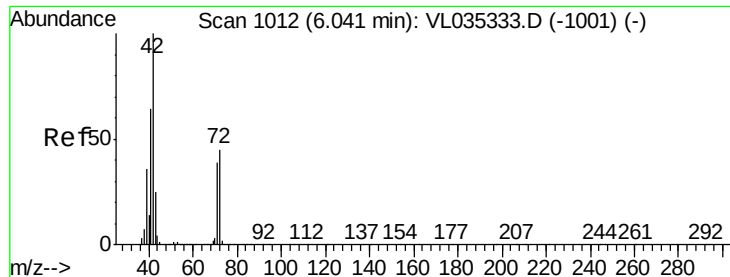
MMDadoda
 8/12/2020 3:58:18 PM



#40
 1,4-Dioxane
 Concen: 10.354 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: VL035371.D
 Acq: 10 Aug 2020 9:56

Tgt Ion	Ratio	Lower	Upper
88	100		
58	129.5	96.7	145.1
43	253.8	190.7	286.1
57	1099.7	834.1	1251.1





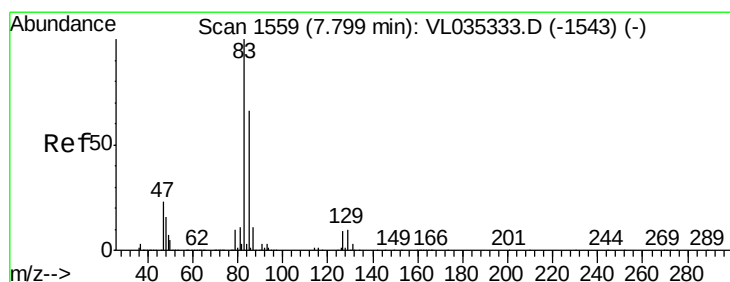
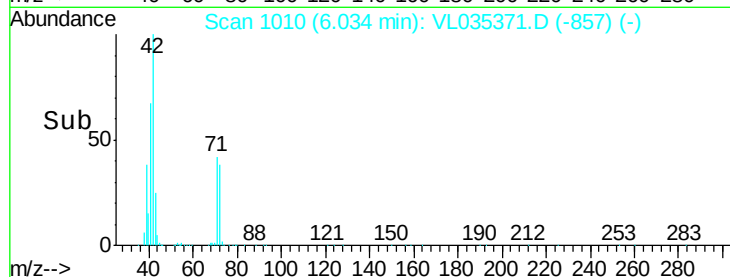
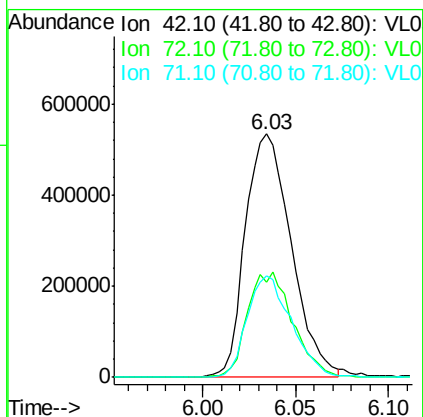
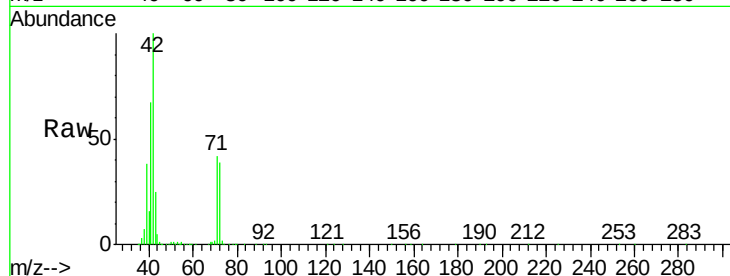
#41
Tetrahydrofuran
Concen: 11.564 ppbv
RT: 6.03 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VL035371.D
Acq: 10 Aug 2020 9:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.1	33.6	50.4
71	40.7	33.1	49.7

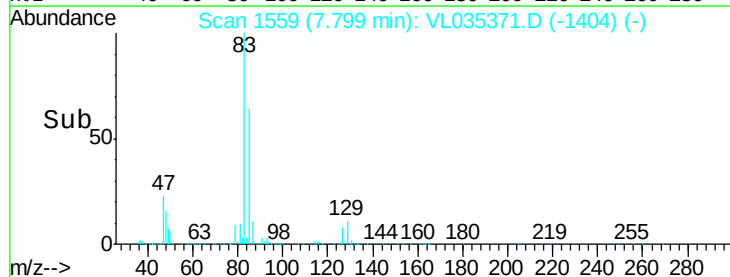
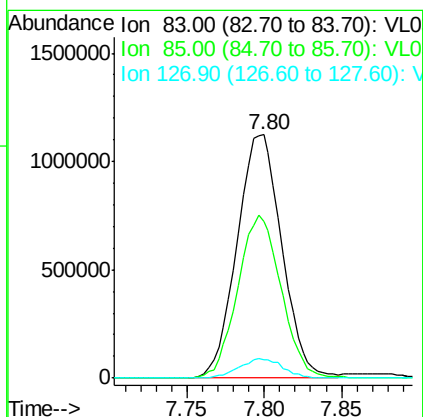
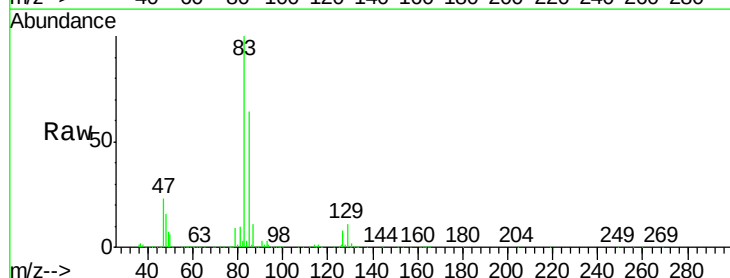
Manual Integrations
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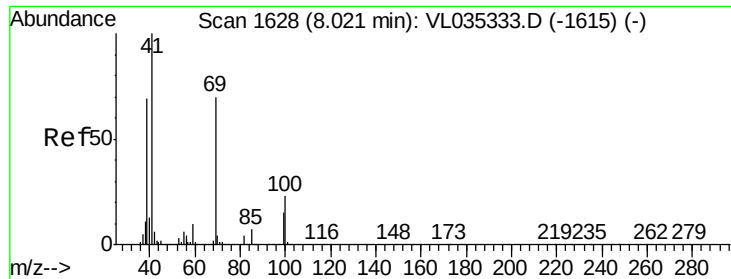
MMDadoda
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#42
Bromodichloromethane
Concen: 10.824 ppbv
RT: 7.80 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VL035371.D
Acq: 10 Aug 2020 9:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	53.1	79.7
127	7.8	6.8	10.2





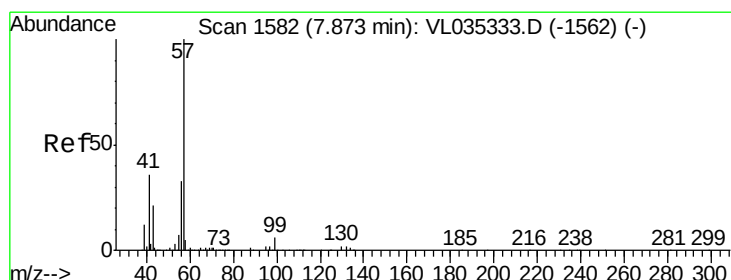
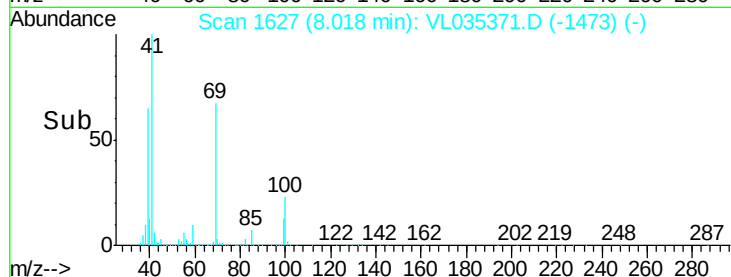
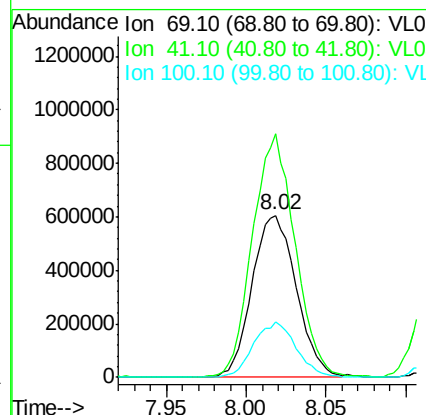
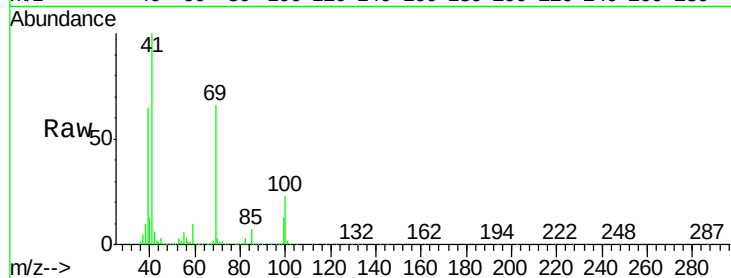
#43
Methyl Methacrylate
Concen: 12.255 ppbv
RT: 8.02 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VL035371.D
Acq: 10 Aug 2020 9:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 69 Resp: 1146942
Ion Ratio Lower Upper
69 100
41 144.8 115.8 173.6
100 32.8 26.7 40.1

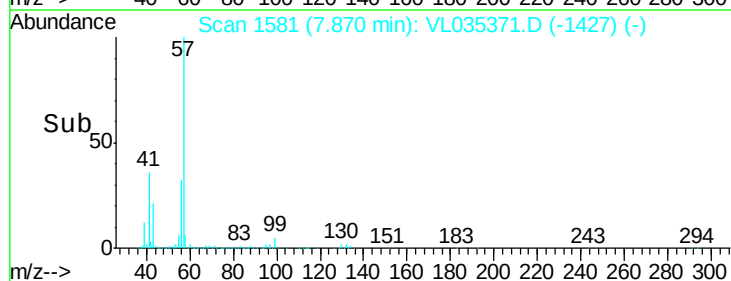
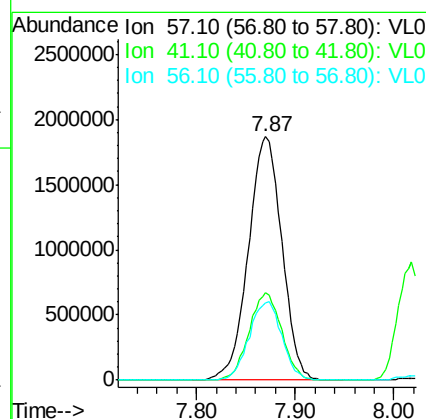
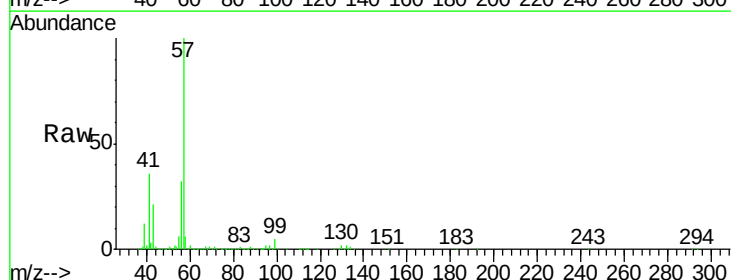
Manual Integrations
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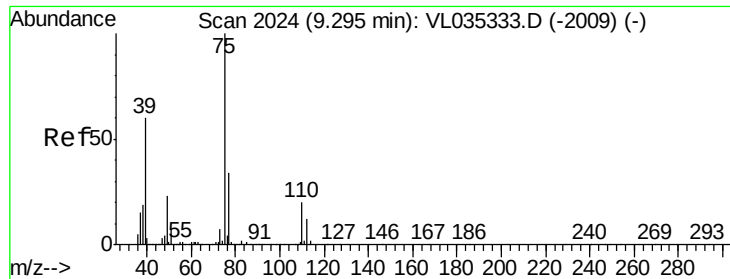
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 11.089 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VL035371.D
Acq: 10 Aug 2020 9:56

Tgt Ion: 57 Resp: 4382618
Ion Ratio Lower Upper
57 100
41 35.0 27.9 41.9
56 31.5 25.4 38.0





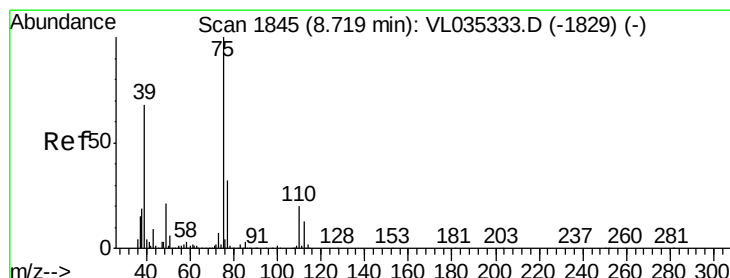
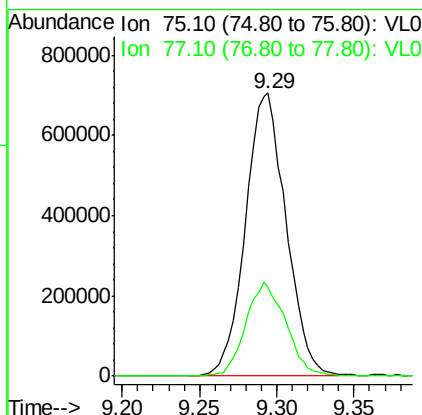
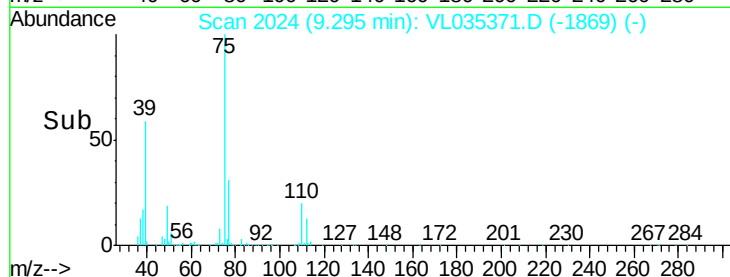
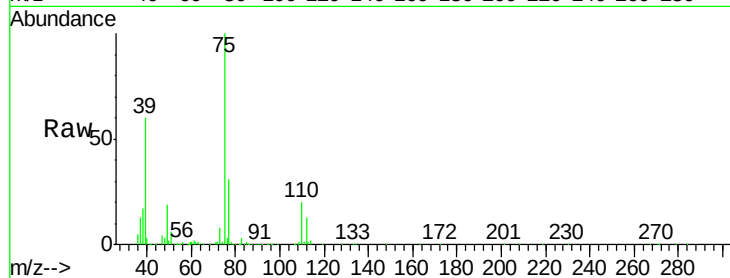
#45
t-1,3-Dichloropropene
Concen: 13.293 ppbv
RT: 9.29 min Scan# 2024
Delta R.T. -0.00 min
Lab File: VL035371.D
Acq: 10 Aug 2020 9:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 75 Resp: 1290539
Ion Ratio Lower Upper
75 100
77 31.5 27.0 40.6

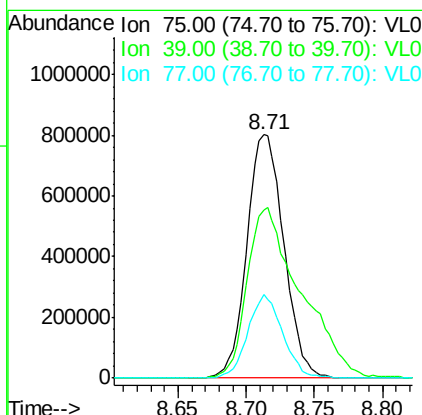
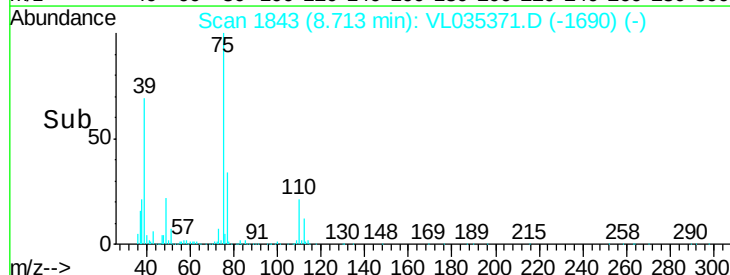
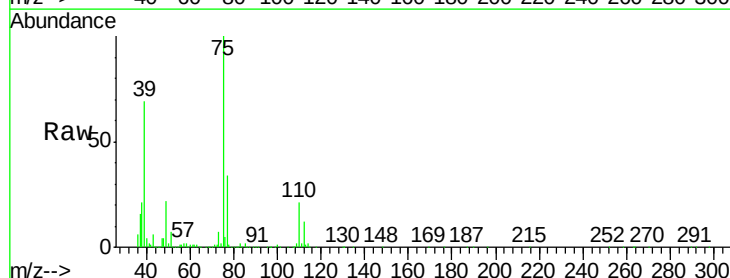
Manual Integrations
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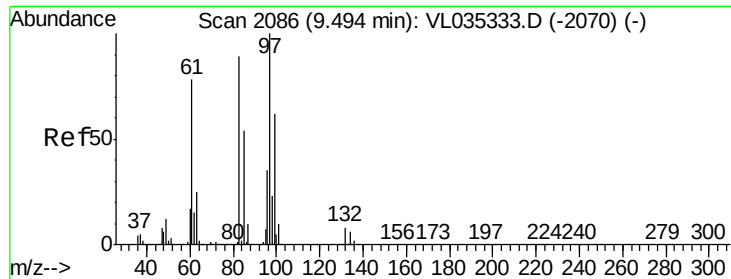
MMDadoda
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#46
cis-1,3-Dichloropropene
Concen: 12.858 ppbv
RT: 8.71 min Scan# 1843
Delta R.T. -0.01 min
Lab File: VL035371.D
Acq: 10 Aug 2020 9:56

Tgt Ion: 75 Resp: 1507566
Ion Ratio Lower Upper
75 100
39 69.1 54.2 81.2
77 34.1 25.4 38.2





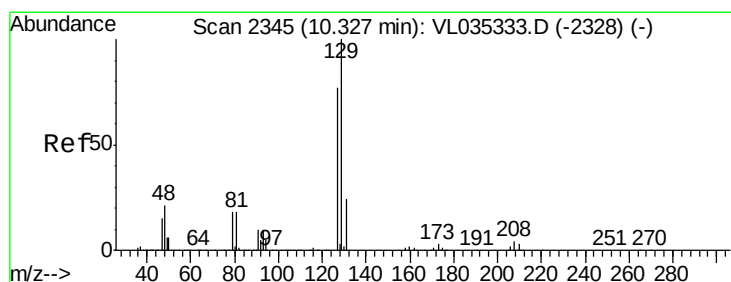
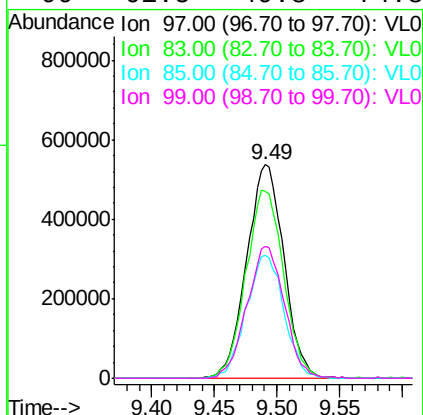
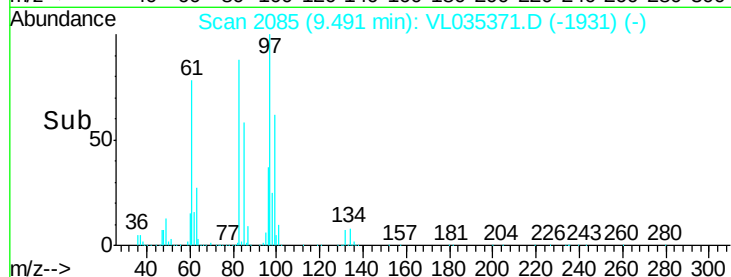
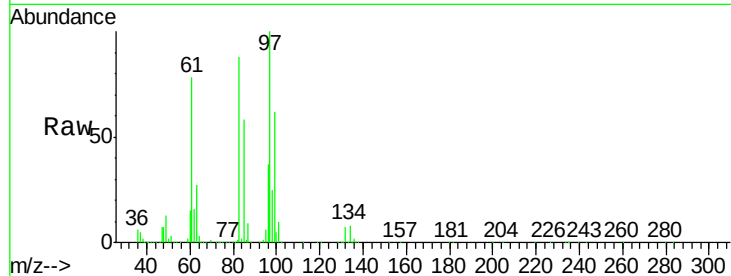
#47
 1,1,2-Trichloroethane
 Concen: 10.253 ppbv
 RT: 9.49 min Scan# 2085
 Delta R.T. -0.00 min
 Lab File: VL035371.D
 Acq: 10 Aug 2020 9:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	87.5	71.3	106.9	
85	57.5	43.3	64.9	
99	61.5	49.8	74.8	

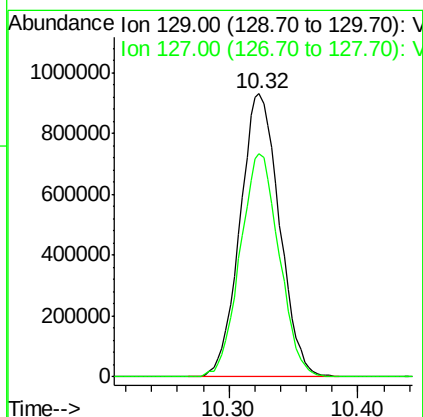
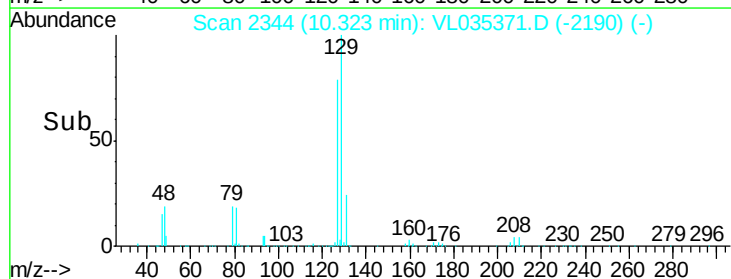
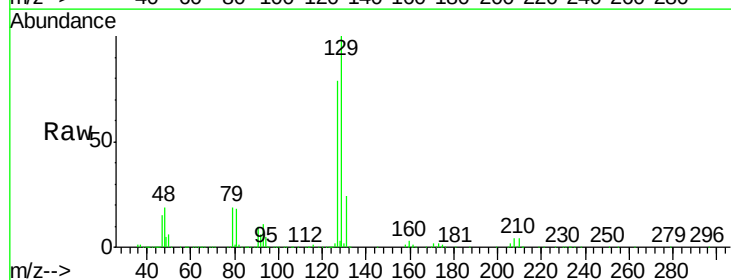
Manual Integrations
 APPROVED

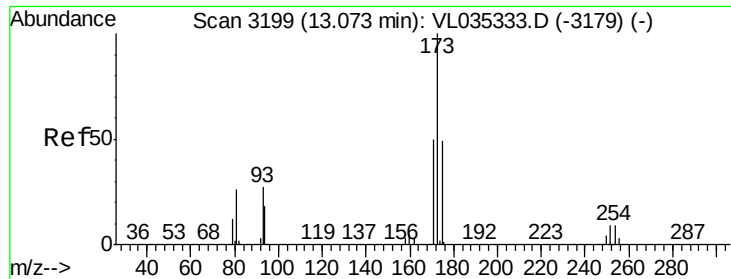
MMDadoda
 8/12/2020 3:58:18 PM



#48
 Dibromochloromethane
 Concen: 11.188 ppbv
 RT: 10.32 min Scan# 2344
 Delta R.T. -0.00 min
 Lab File: VL035371.D
 Acq: 10 Aug 2020 9:56

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	77.9	39.1	117.2	





#49

Bromoform

Concen: 11.343 ppbv

RT: 13.07 min Scan# 3199

Delta R.T. -0.00 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:173 Resp: 1833352

Ion Ratio Lower Upper

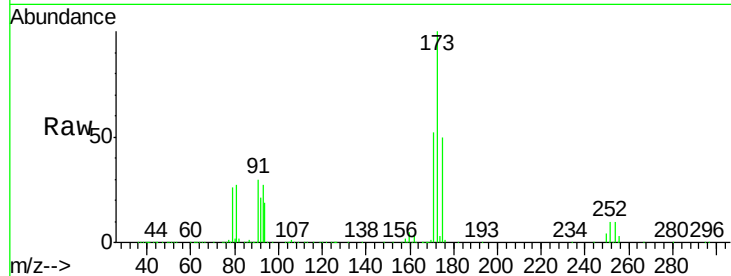
173 100

175 48.8 39.3 58.9

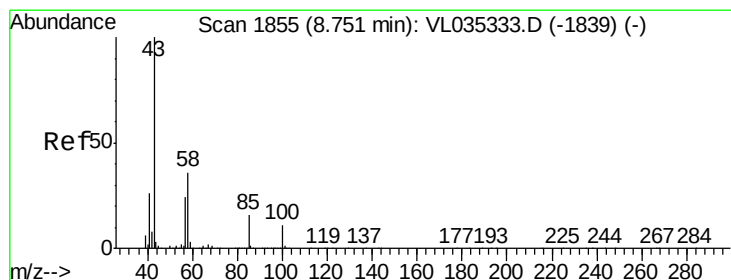
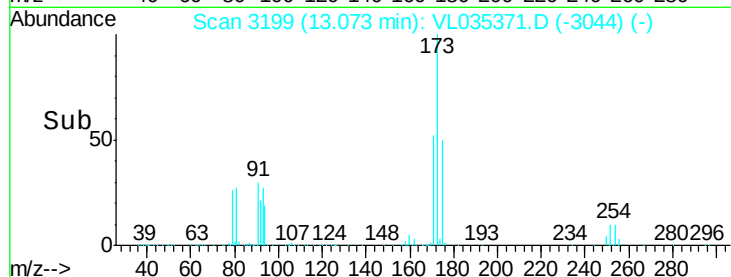
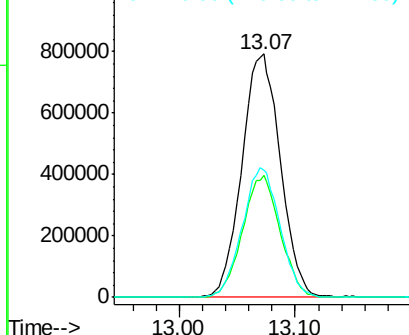
171 51.9 41.2 61.8

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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: 11.192 ppbv

RT: 8.74 min Scan# 1853

Delta R.T. -0.01 min

Lab File: VL035371.D

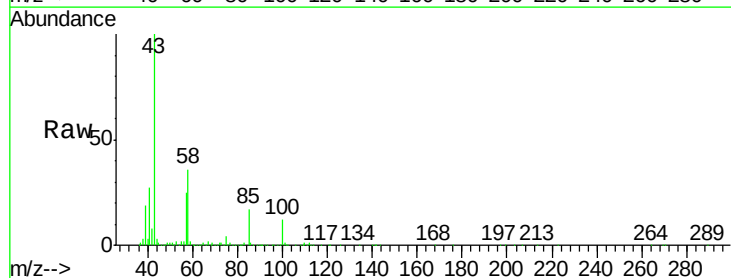
Acq: 10 Aug 2020 9:56

Tgt Ion: 43 Resp: 2771849

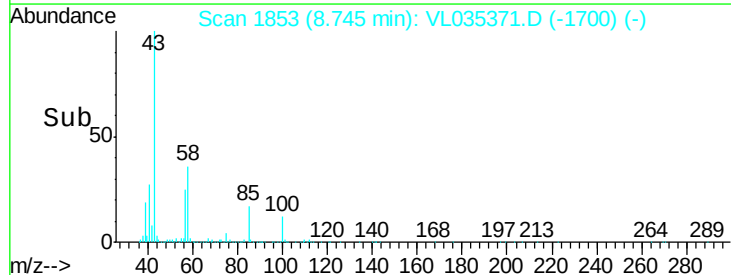
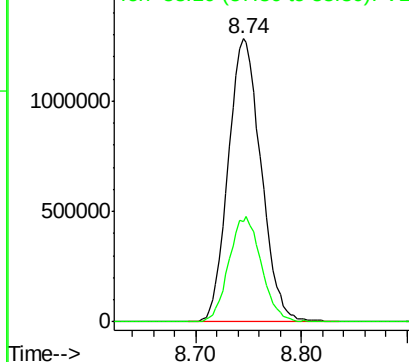
Ion Ratio Lower Upper

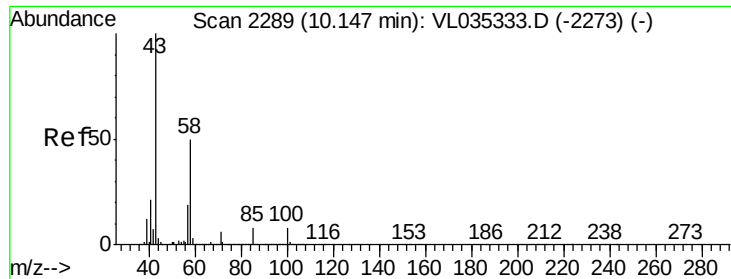
43 100

58 36.9 29.2 43.8



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





#51

2-Hexanone

Concen: 11.687 ppbv

RT: 10.14 min Scan# 2288

Delta R.T. -0.00 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 2269218

Ion Ratio Lower Upper

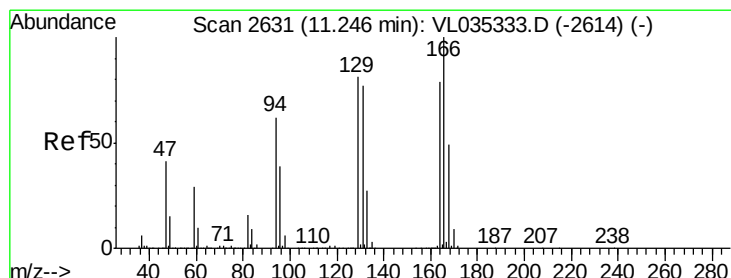
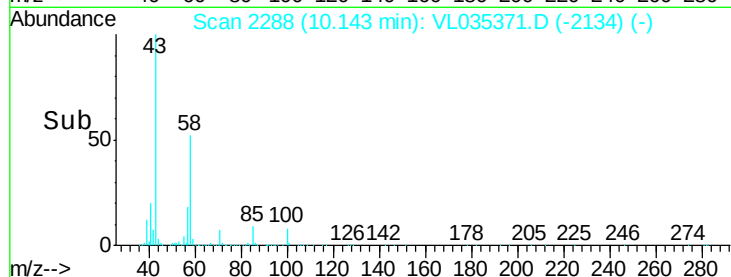
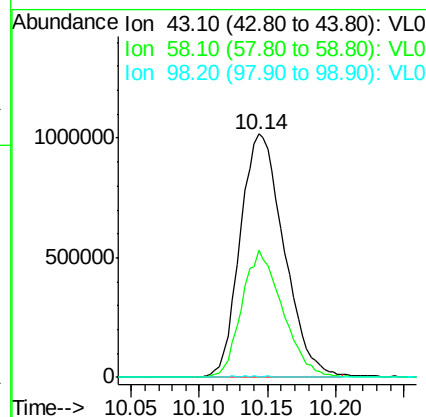
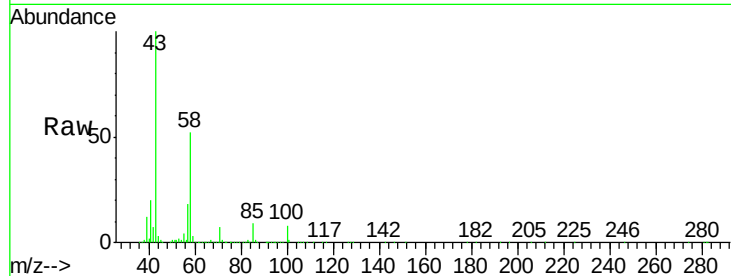
43 100

58 48.8 39.4 59.2

98 0.6 0.2 0.4#

Manual Integrations
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#52

Tetrachloroethene

Concen: 10.929 ppbv

RT: 11.24 min Scan# 2630

Delta R.T. -0.00 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

Tgt Ion: 164 Resp: 963913

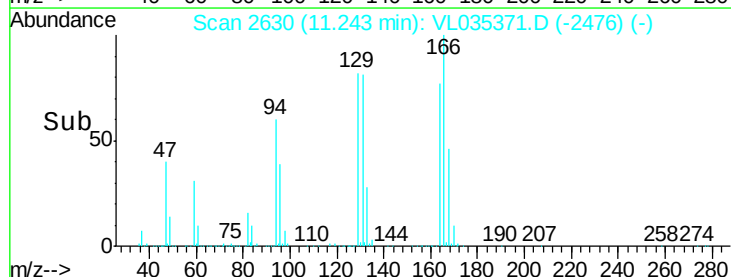
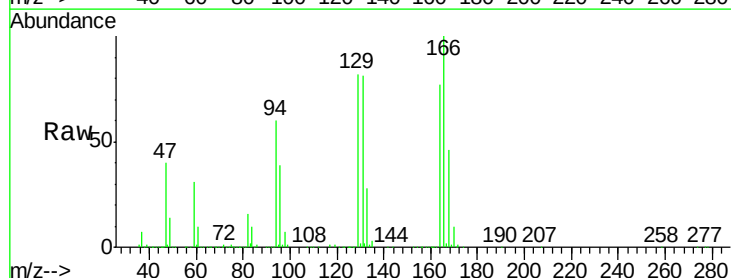
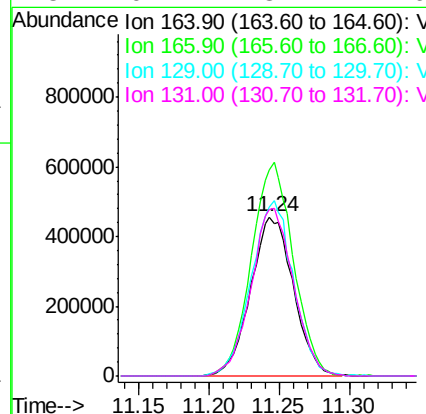
Ion Ratio Lower Upper

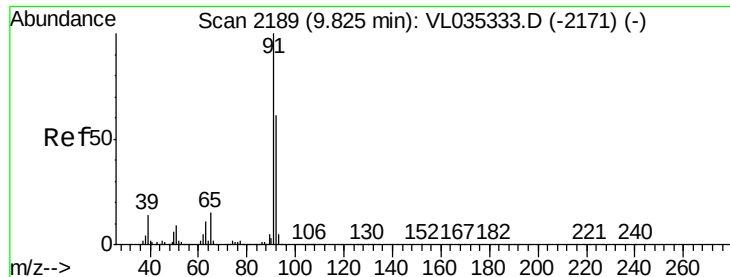
164 100

166 129.1 101.4 152.0

129 106.3 82.1 123.1

131 104.4 78.4 117.6





#53

Toluene

Concen: 12.499 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. -0.01 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 3024850

Ion Ratio Lower Upper

91 100

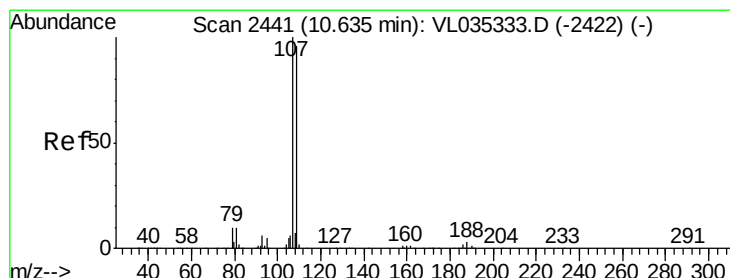
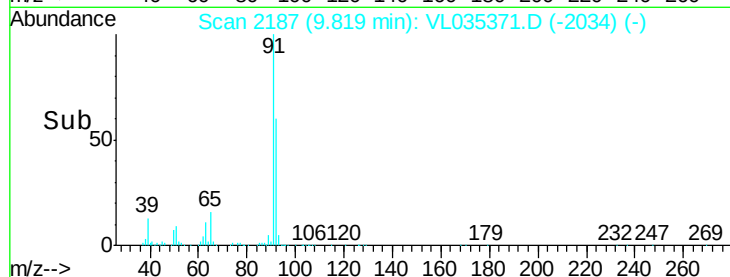
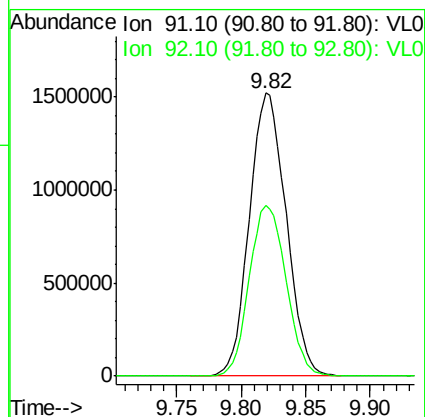
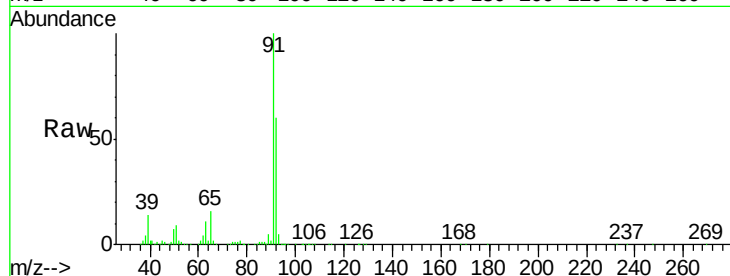
92 60.4 48.5 72.7

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 11.198 ppbv

RT: 10.63 min Scan# 2439

Delta R.T. -0.01 min

Lab File: VL035371.D

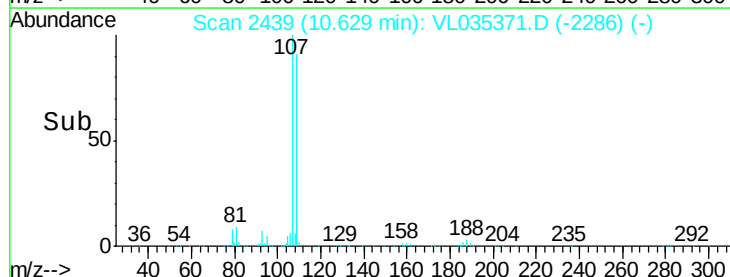
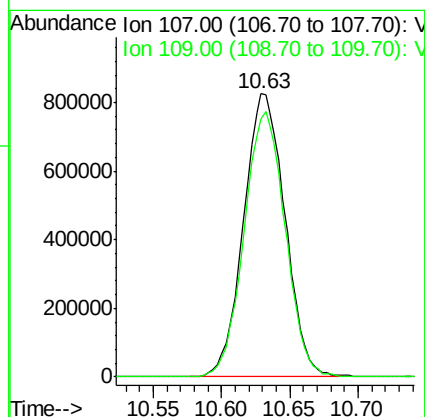
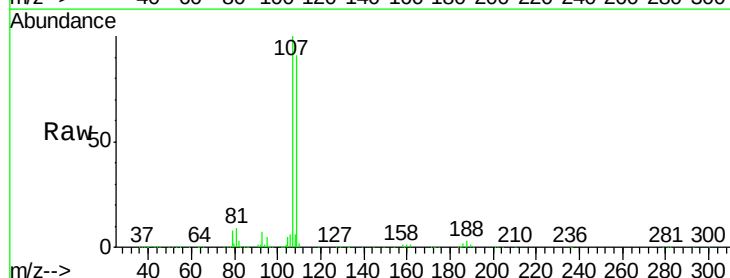
Acq: 10 Aug 2020 9:56

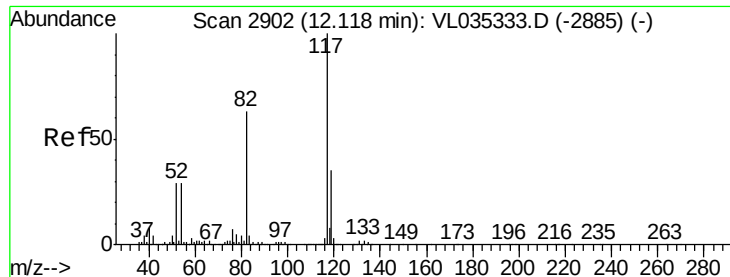
Tgt Ion: 107 Resp: 1739596

Ion Ratio Lower Upper

107 100

109 90.8 76.8 115.2





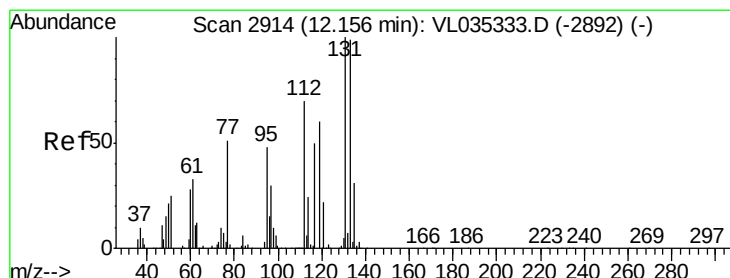
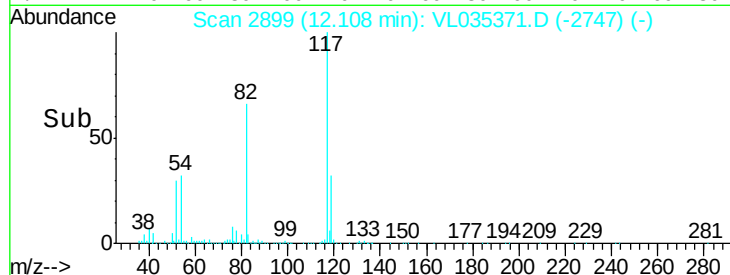
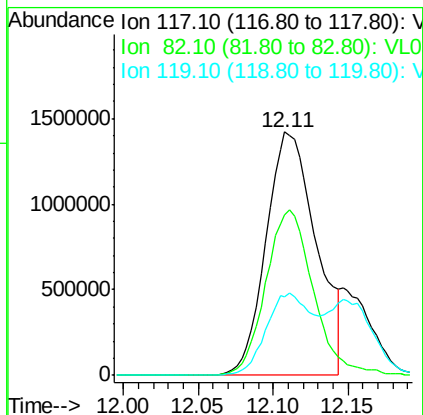
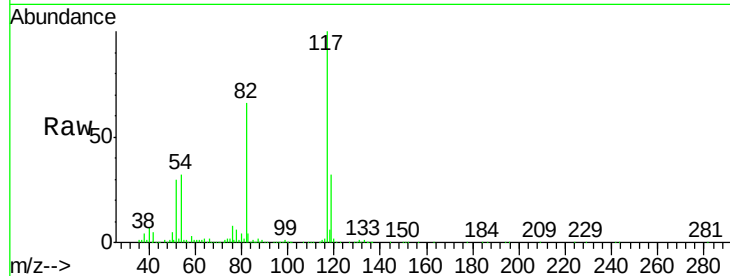
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.01 min
Lab File: VL035371.D
Acq: 10 Aug 2020 9:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:117 Resp: 3323040
Ion Ratio Lower Upper
117 100
82 64.7 51.0 76.4
119 28.7 24.7 37.1

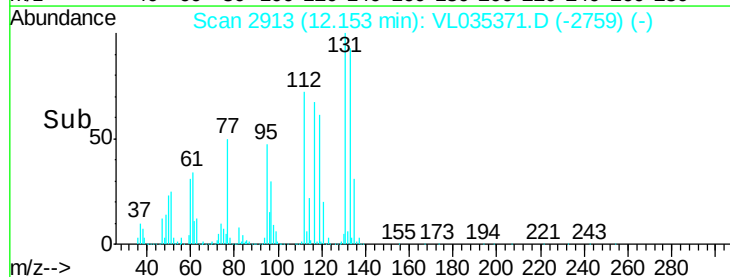
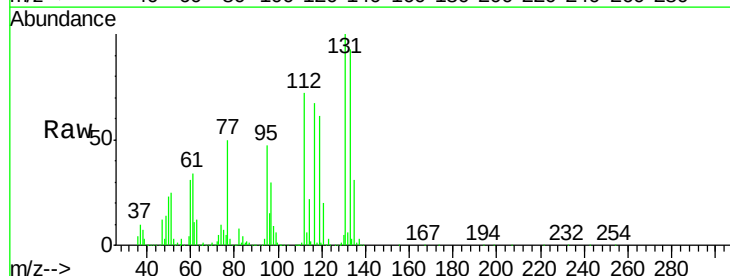
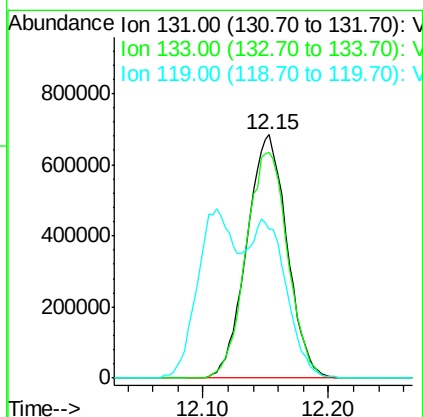
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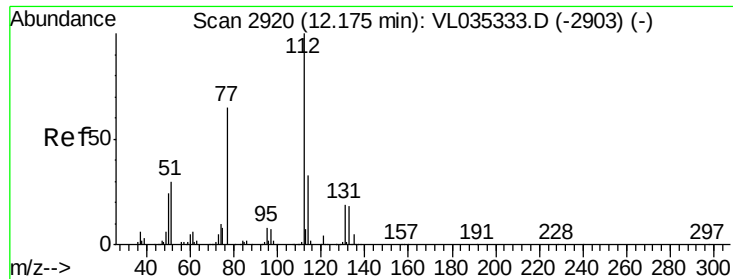
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.768 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. -0.00 min
Lab File: VL035371.D
Acq: 10 Aug 2020 9:56

Tgt Ion:131 Resp: 1532207
Ion Ratio Lower Upper
131 100
133 96.0 75.4 113.2
119 61.9 43.7 65.5





#57

Chlorobenzene

Concen: 9.993 ppbv

RT: 12.17 min Scan# 2919

Delta R.T. -0.00 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 112 Resp: 2500435

Ion Ratio Lower Upper

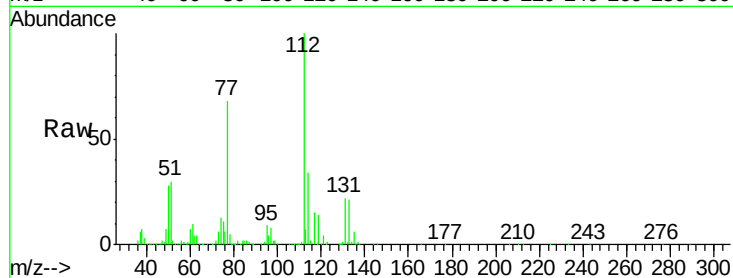
112 100

77 67.9 53.3 79.9

114 34.3 29.8 36.4

Manual Integrations
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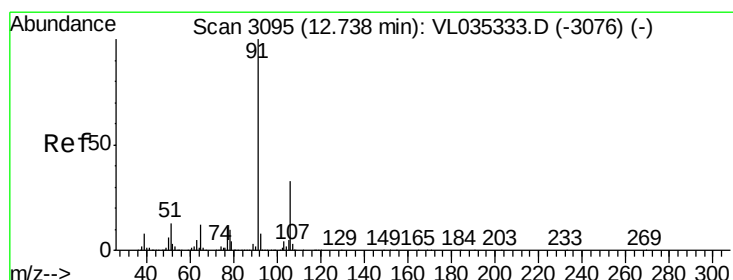
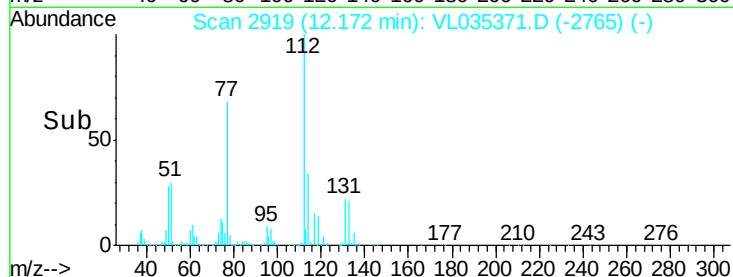
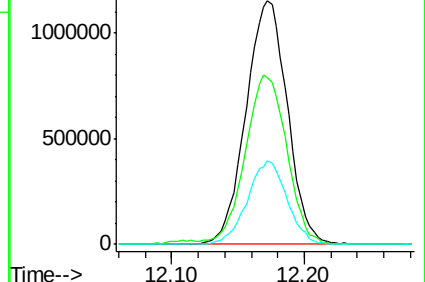
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 11.987 ppbv

RT: 12.73 min Scan# 3094

Delta R.T. -0.00 min

Lab File: VL035371.D

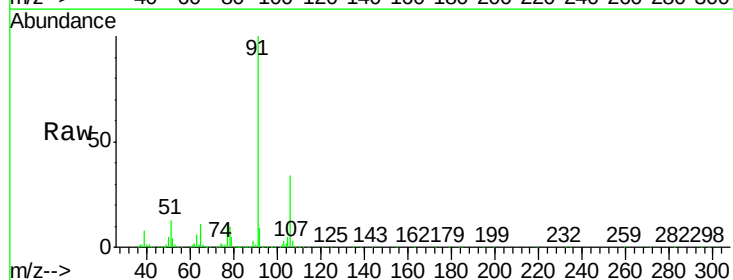
Acq: 10 Aug 2020 9:56

Tgt Ion: 91 Resp: 4144948

Ion Ratio Lower Upper

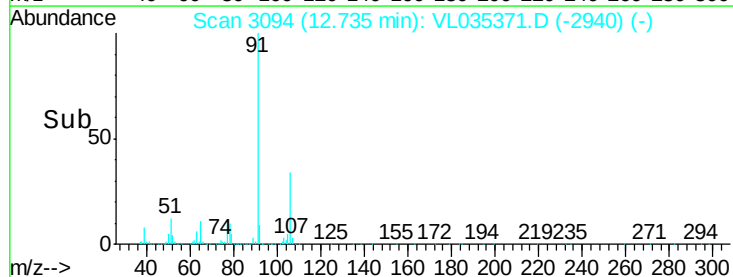
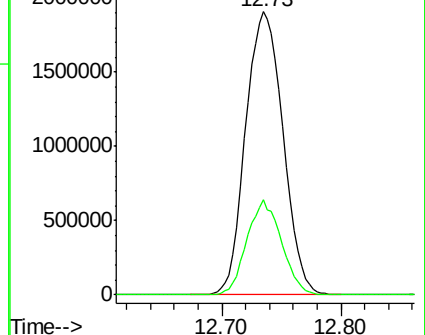
91 100

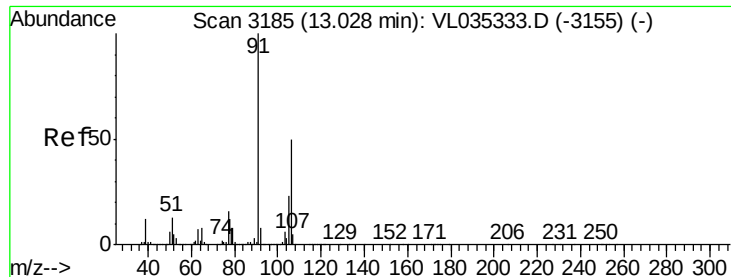
106 33.5 26.8 40.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





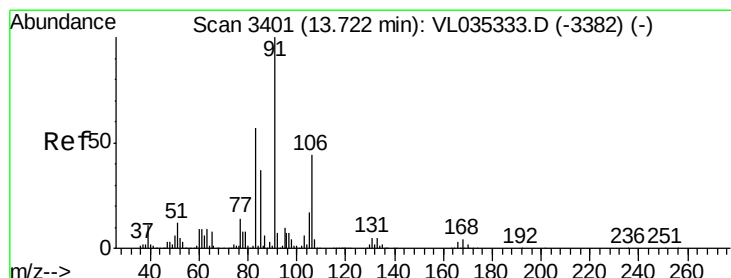
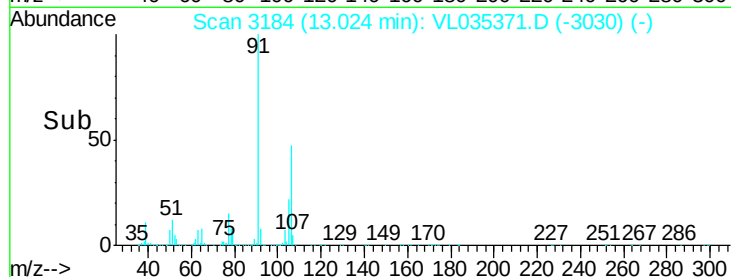
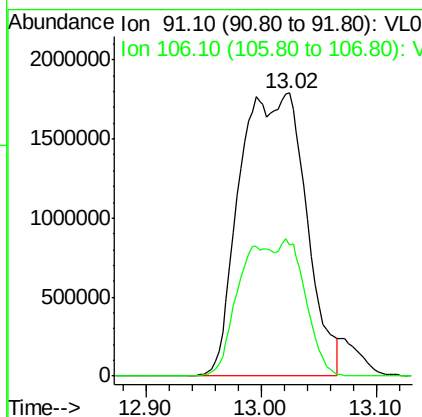
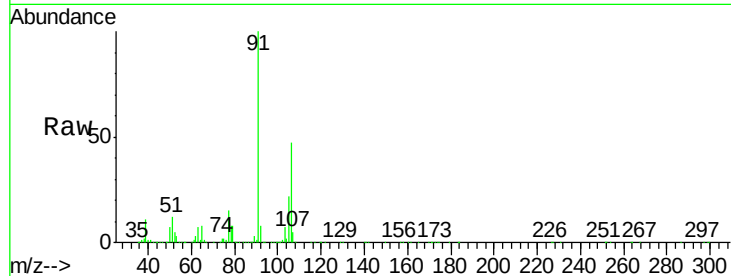
#59
m/p-Xylene
Concen: 22.220 ppbv m
RT: 13.02 min Scan# 3184
Delta R.T. -0.00 min
Lab File: VL035371.D
Acq: 10 Aug 2020 9:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 7154233
Ion Ratio Lower Upper
91 100
106 46.3 37.8 56.8

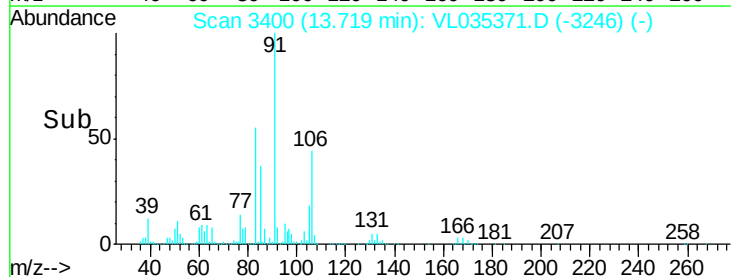
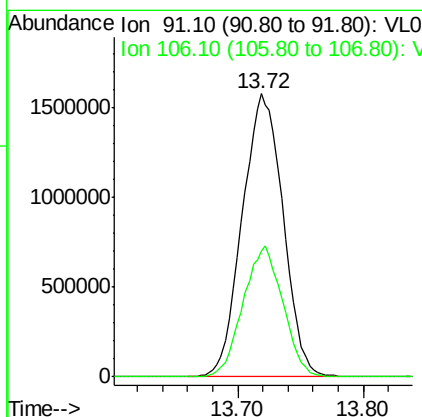
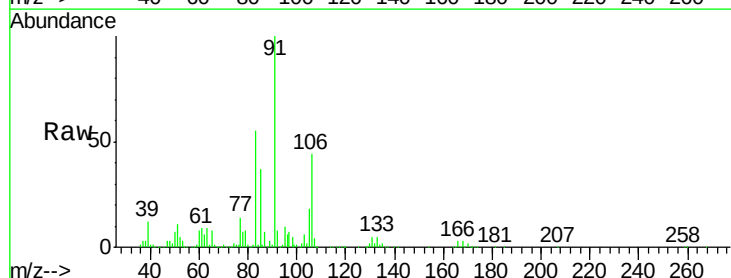
Manual Integrations
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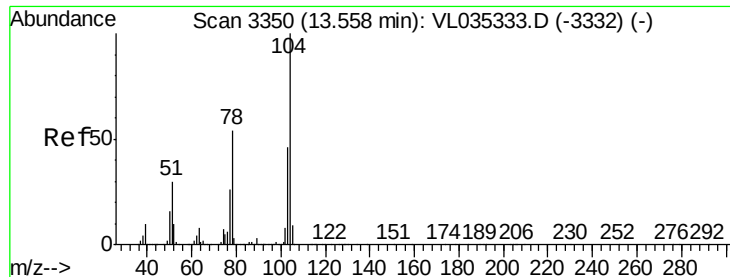
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#60
o-Xylene
Concen: 11.171 ppbv
RT: 13.72 min Scan# 3400
Delta R.T. -0.00 min
Lab File: VL035371.D
Acq: 10 Aug 2020 9:56

Tgt Ion: 91 Resp: 3569128
Ion Ratio Lower Upper
91 100
106 45.0 22.7 68.0





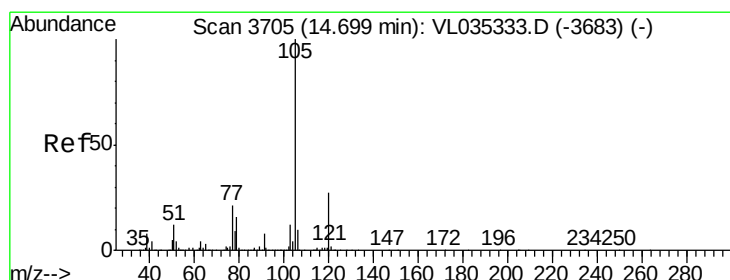
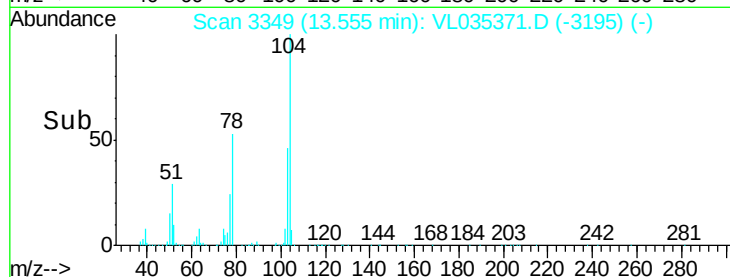
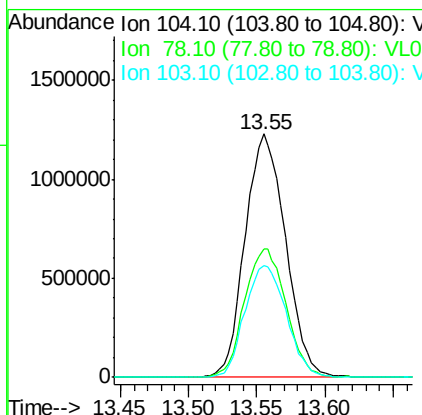
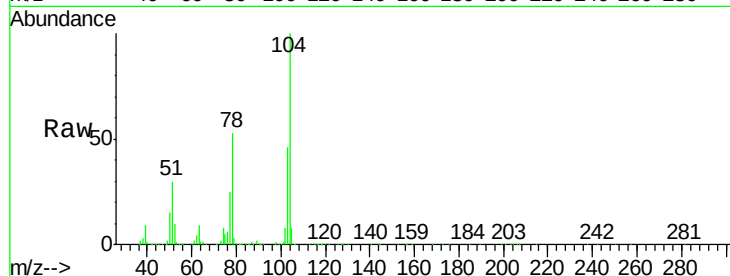
#61
Stvrene
Concen: 12.956 ppbv
RT: 13.55 min Scan# 3349
Delta R.T. -0.00 min
Lab File: VL035371.D
Acq: 10 Aug 2020 9:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.3	42.6	63.8
103	47.2	38.1	57.1

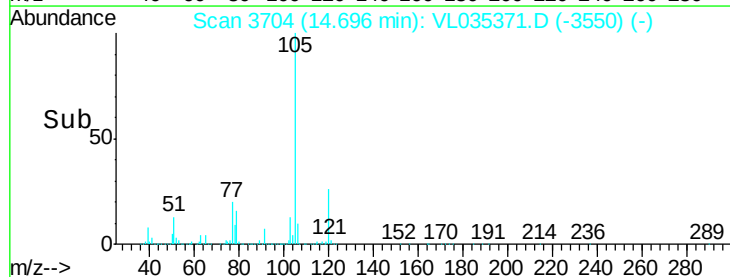
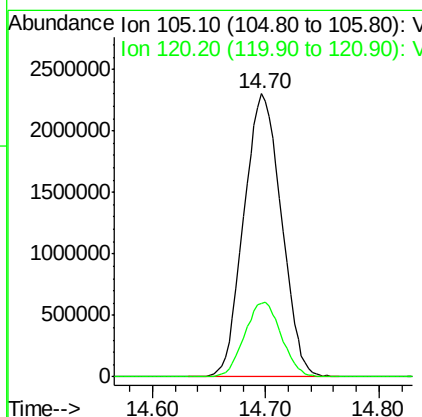
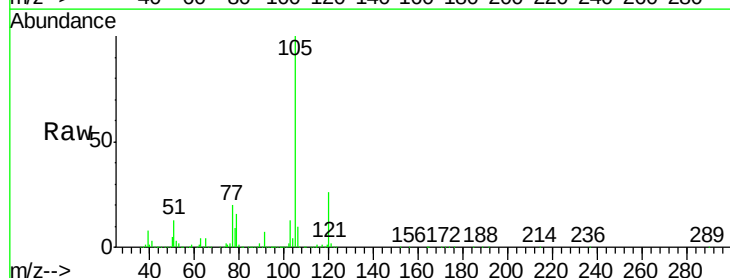
Manual Integrations
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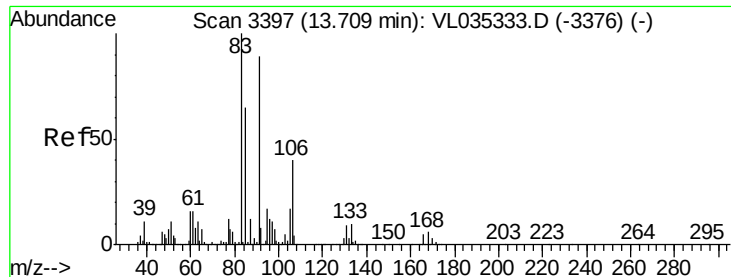
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#62
Isopropylbenzene
Concen: 11.048 ppbv
RT: 14.70 min Scan# 3704
Delta R.T. -0.00 min
Lab File: VL035371.D
Acq: 10 Aug 2020 9:56

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.8	21.1	31.7





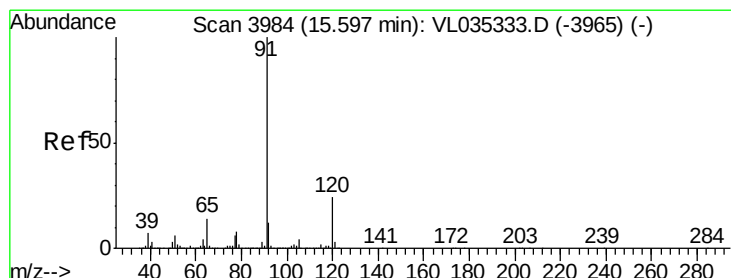
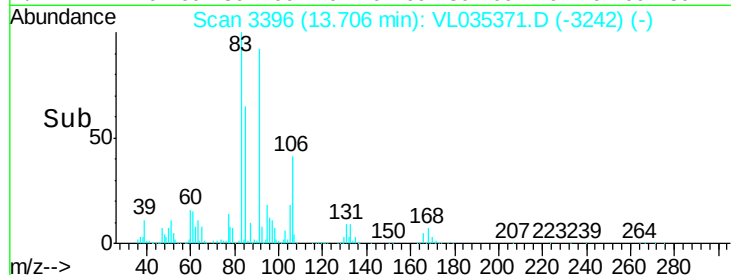
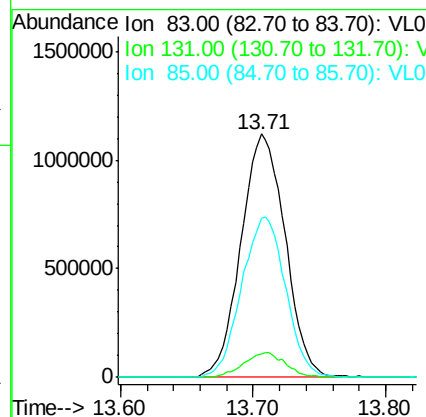
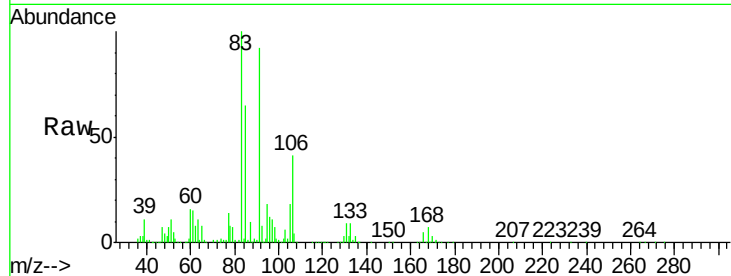
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.473 ppbv
 RT: 13.71 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VL035371.D
 Acq: 10 Aug 2020 9:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.8	5.0	14.9
85	65.9	32.6	98.0

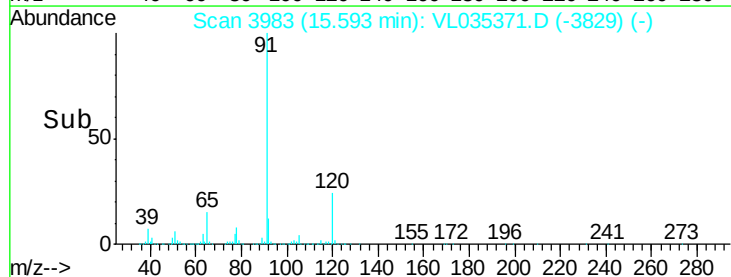
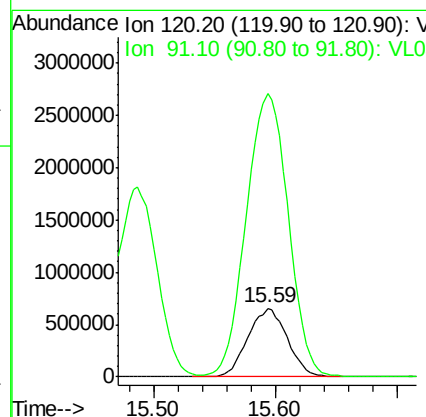
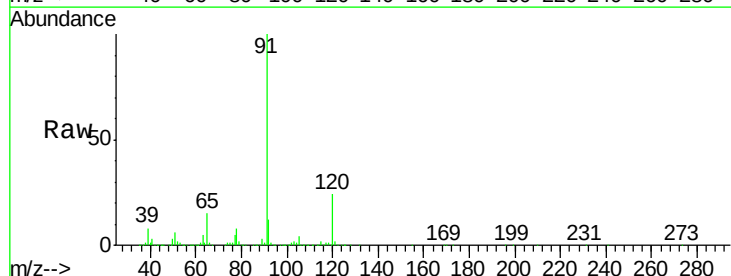
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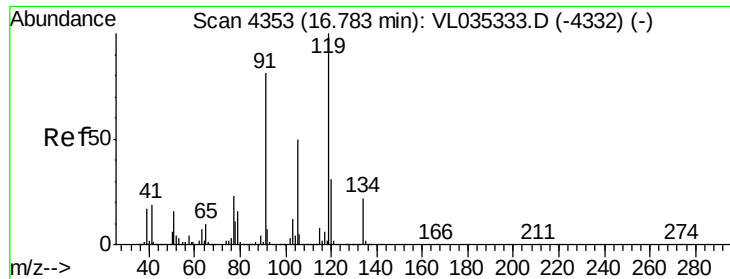
MMDadoda
 8/12/2020 3:58:18 PM



#64
 n-propylbenzene
 Concen: 11.296 ppbv
 RT: 15.59 min Scan# 3983
 Delta R.T. -0.00 min
 Lab File: VL035371.D
 Acq: 10 Aug 2020 9:56

Tgt Ion	Ratio	Lower	Upper
120	100		
91	442.4	357.2	535.8





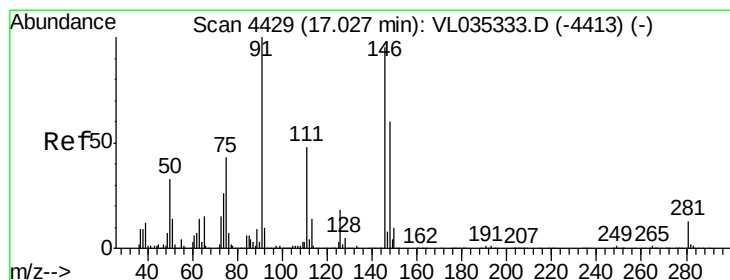
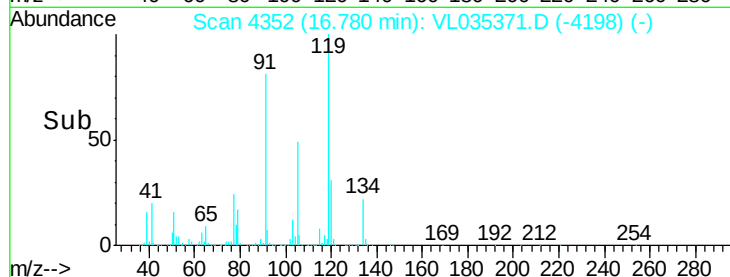
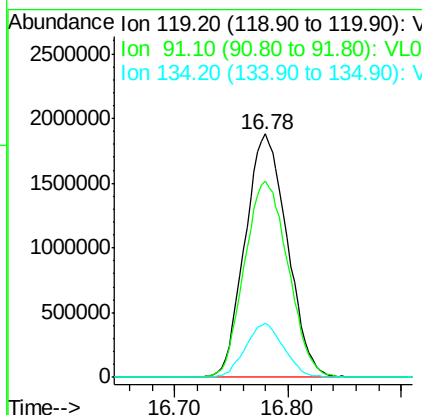
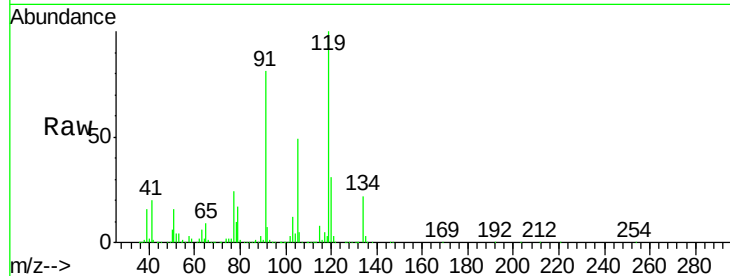
#65
 tert-Butylbenzene
 Concen: 11.037 ppbv
 RT: 16.78 min Scan# 4352
 Delta R.T. -0.00 min
 Lab File: VL035371.D
 Acq: 10 Aug 2020 9:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	83.7	66.3	99.5
134	20.3	16.2	24.2

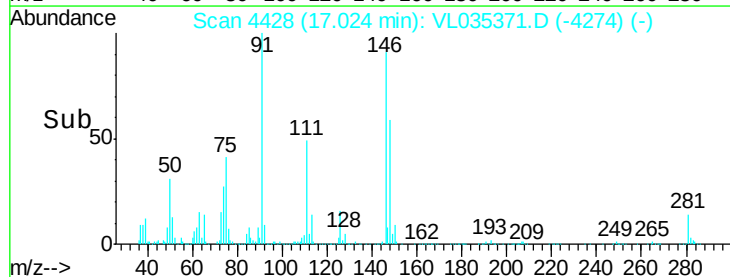
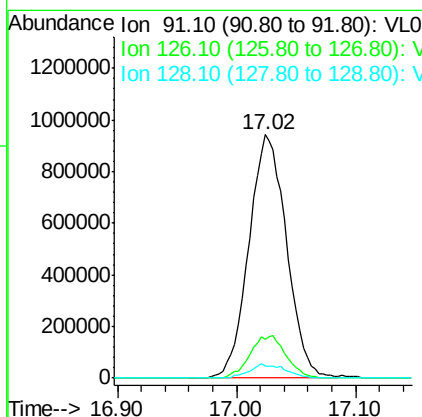
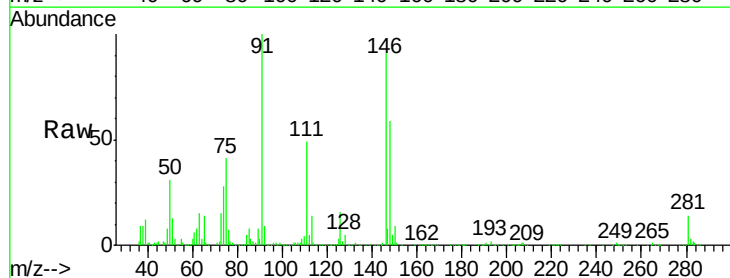
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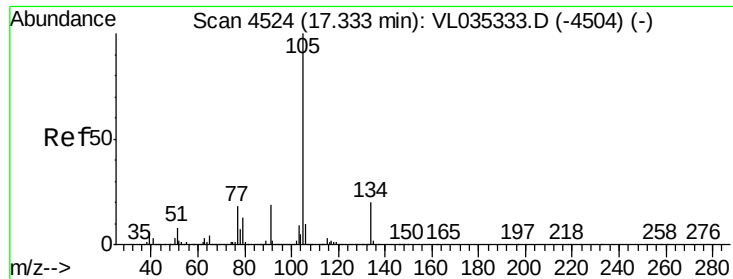
MMDadoda
 8/12/2020 3:58:18 PM



#66
 Benzyl Chloride
 Concen: 11.817 ppbv
 RT: 17.02 min Scan# 4428
 Delta R.T. -0.00 min
 Lab File: VL035371.D
 Acq: 10 Aug 2020 9:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	16.9	14.1	21.1
128	5.5	4.5	6.7





#67

sec-Butylbenzene

Concen: 10.873 ppbv

RT: 17.33 min Scan# 4524

Delta R.T. -0.00 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 105 Resp: 6775063

Ion Ratio Lower Upper

105 100

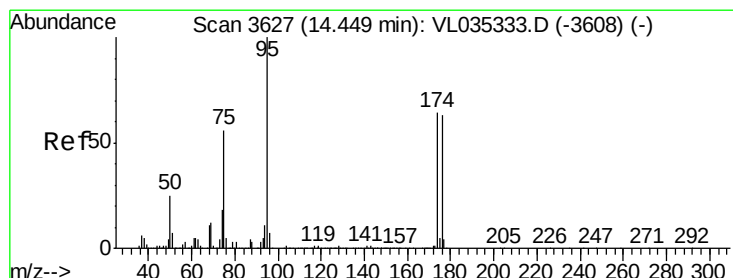
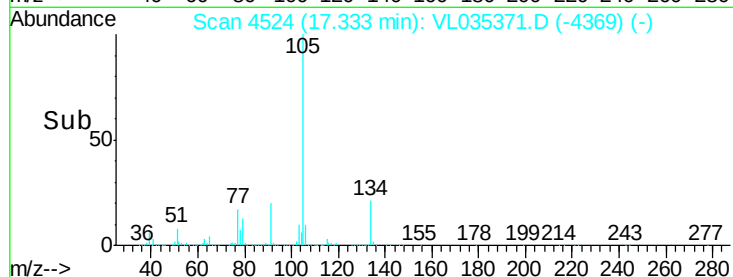
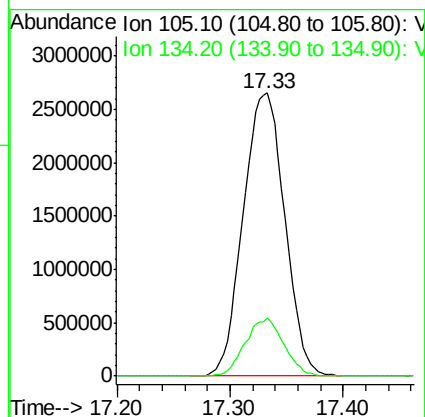
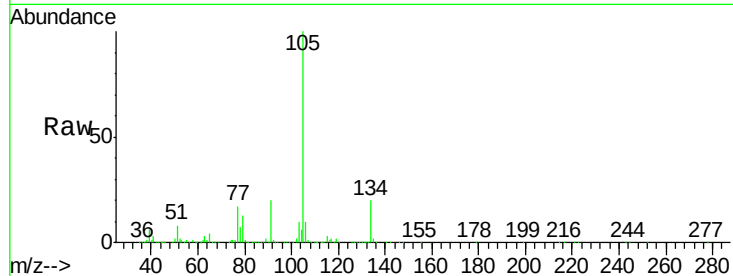
134 19.1 15.4 23.2

Manual Integrations

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#68

1-Bromo-4-Fluorobenzene

Concen: 9.809 ppbv

RT: 14.45 min Scan# 3626

Delta R.T. -0.00 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

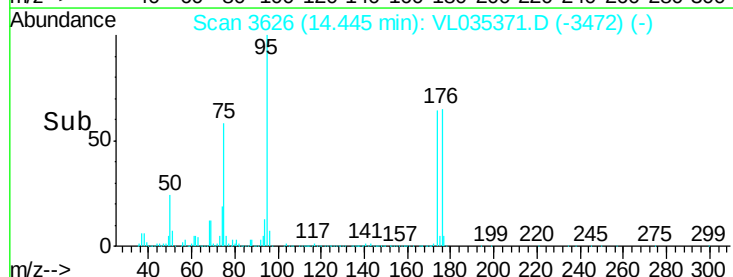
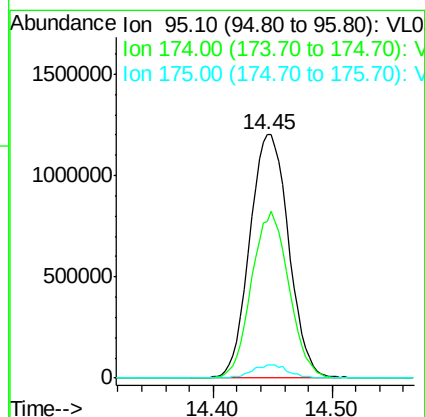
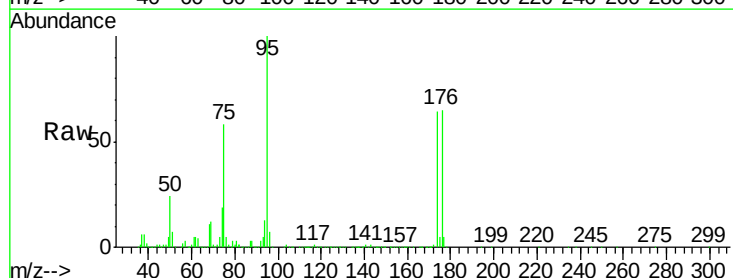
Tgt Ion: 95 Resp: 2718144

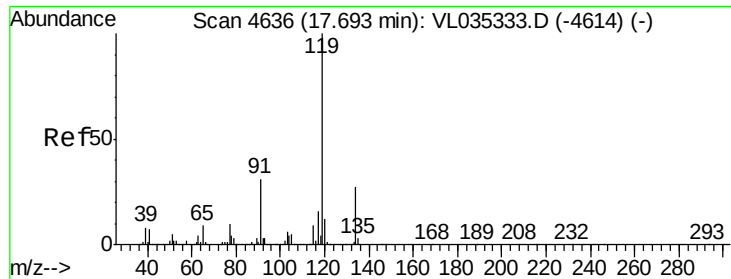
Ion Ratio Lower Upper

95 100

174 65.8 53.5 80.3

175 5.1 4.2 6.2





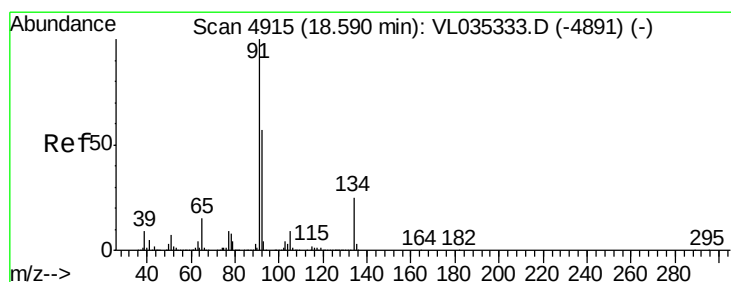
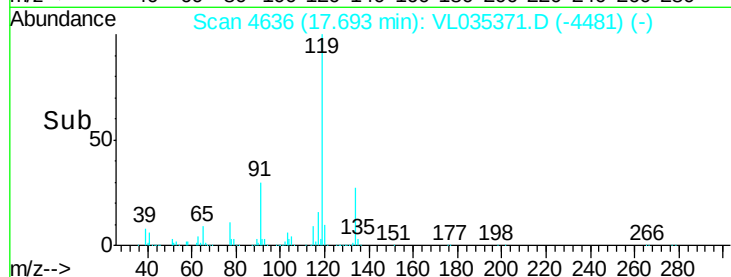
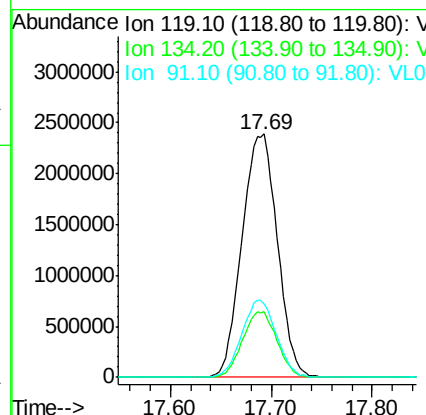
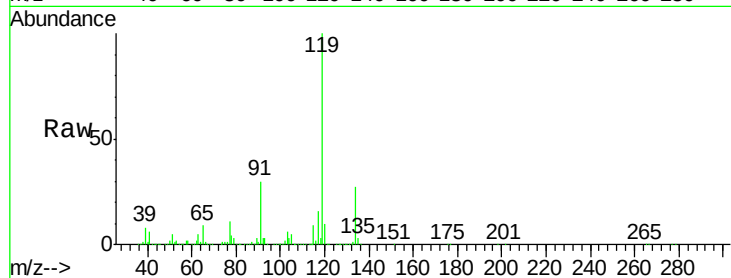
#69
 p-Isopropyltoluene
 Concen: 11.398 ppbv
 RT: 17.69 min Scan# 4636
 Delta R.T. -0.00 min
 Lab File: VL035371.D
 Acq: 10 Aug 2020 9:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.2	21.1	31.7
91	31.1	24.5	36.7

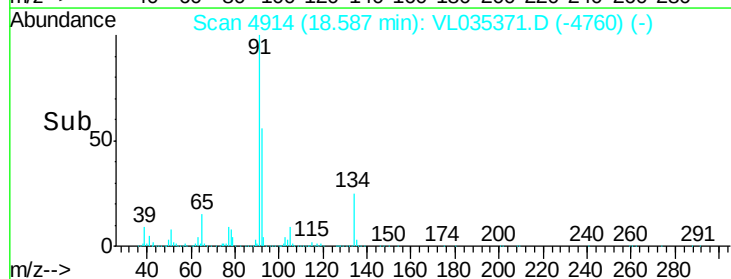
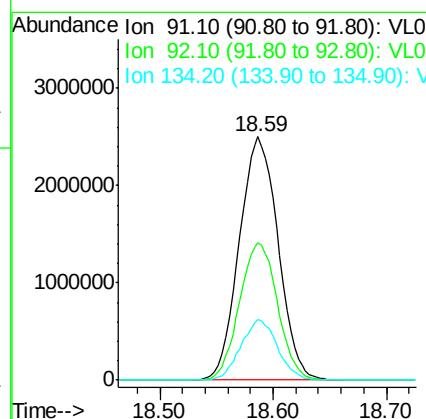
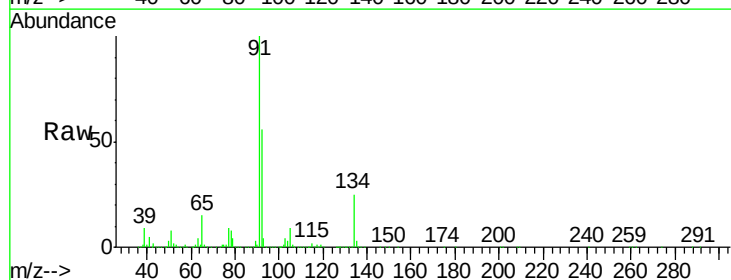
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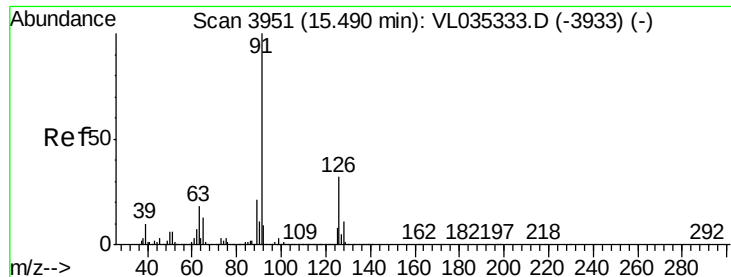
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#70
 n-Butylbenzene
 Concen: 11.011 ppbv
 RT: 18.59 min Scan# 4914
 Delta R.T. -0.00 min
 Lab File: VL035371.D
 Acq: 10 Aug 2020 9:56

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.4	44.2	66.2
134	23.5	19.0	28.6





#71

2-Chlorotoluene

Concen: 11.643 ppbv

RT: 15.49 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 4103193

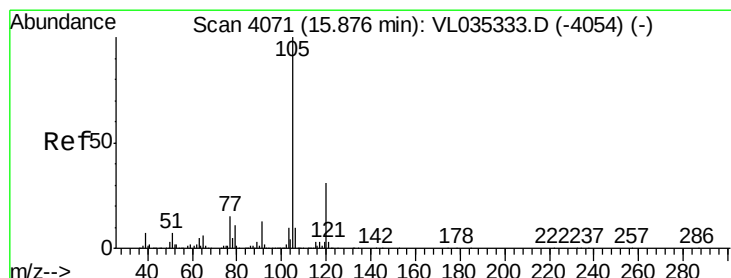
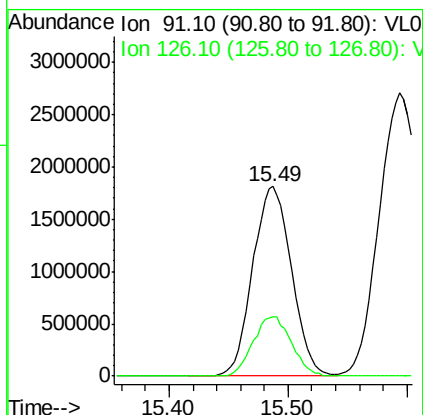
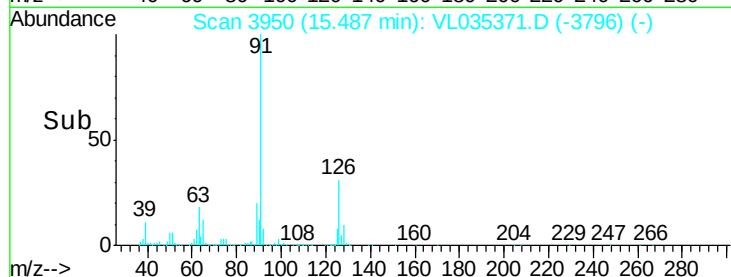
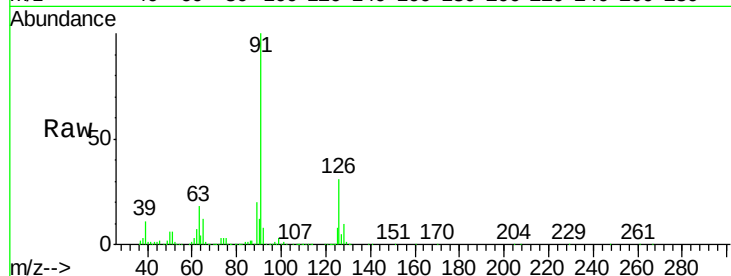
Ion Ratio Lower Upper

91 100

126 30.9 12.5 50.1

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#72

4-Ethyltoluene

Concen: 11.791 ppbv

RT: 15.87 min Scan# 4070

Delta R.T. -0.00 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

Tgt Ion:105 Resp: 4295153

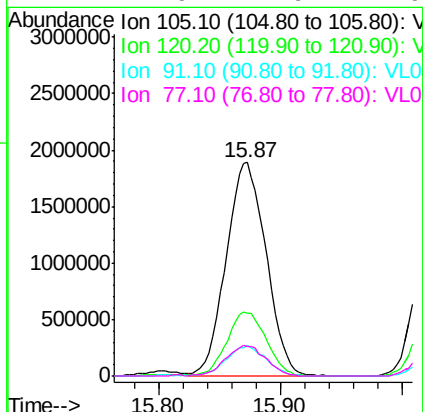
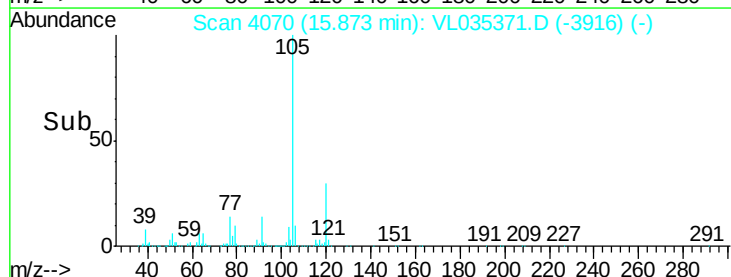
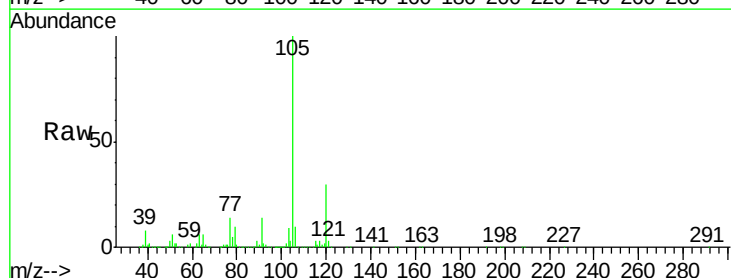
Ion Ratio Lower Upper

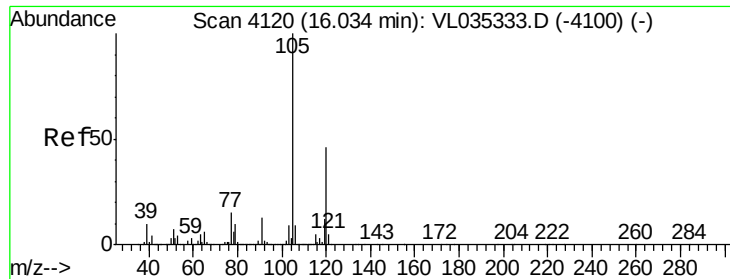
105 100

120 30.5 24.0 36.0

91 14.0 10.8 16.2

77 14.9 11.9 17.9





#73

1,3,5-Trimethylbenzene

Concen: 11.604 ppbv

RT: 16.03 min Scan# 4119

Delta R.T. -0.00 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 4056388

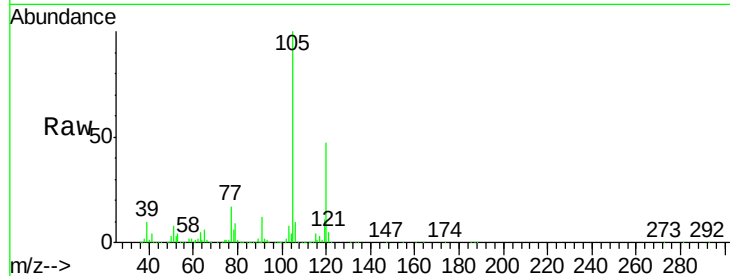
Ion Ratio Lower Upper

105 100

120 47.5 36.9 55.3

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

Ion 120.20 (119.90 to 120.90): V

2000000

1500000

1000000

500000

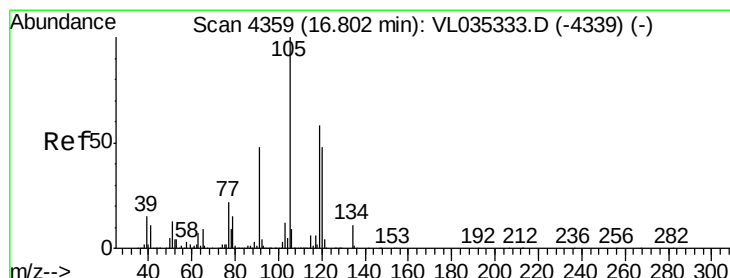
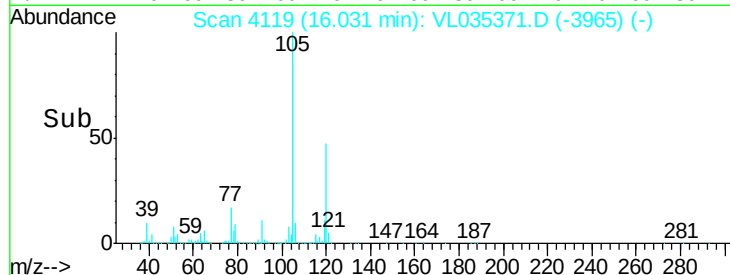
0

16.03

16.00

16.10

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 10.826 ppbv

RT: 16.80 min Scan# 4357

Delta R.T. -0.01 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

Tgt Ion:105 Resp: 4325017

Ion Ratio Lower Upper

105 100

120 49.0 38.5 57.7

91 56.0 39.0 58.6

77 23.7 17.8 26.6

Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

2500000

2000000

1500000

1000000

500000

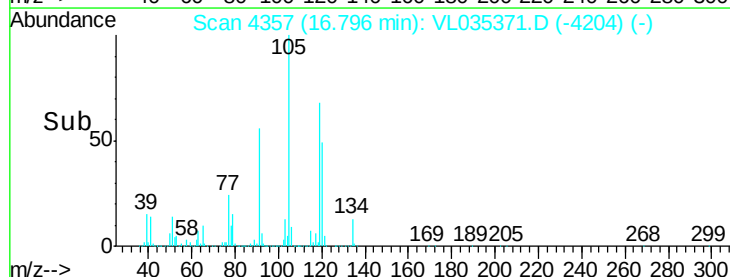
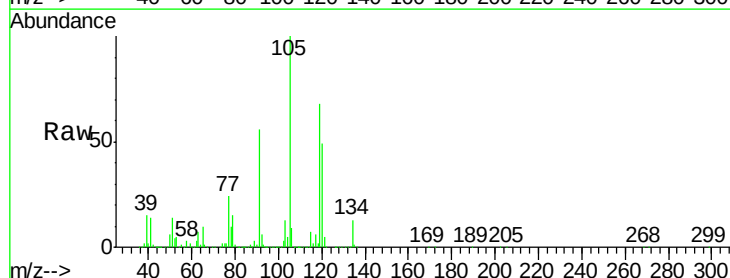
0

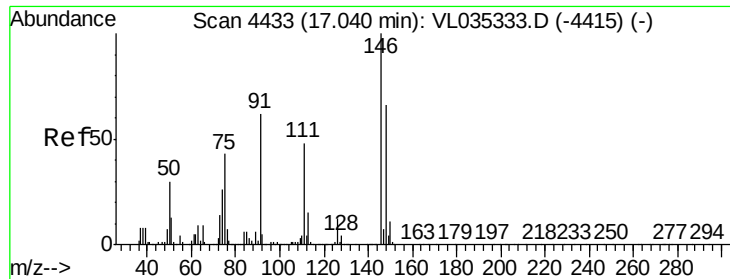
16.80

16.70

16.80

Time-->





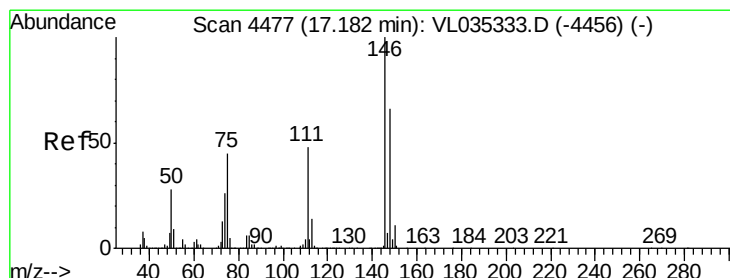
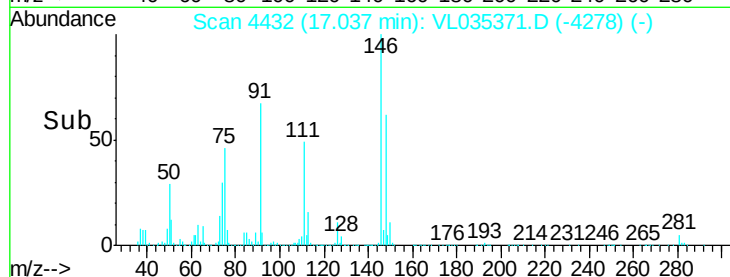
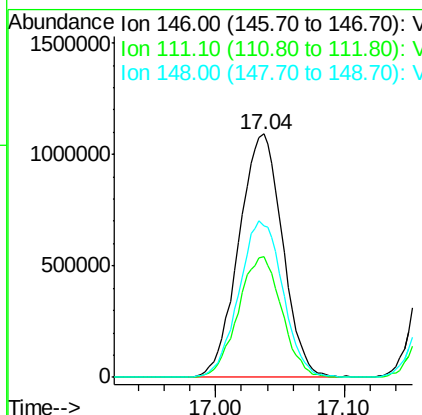
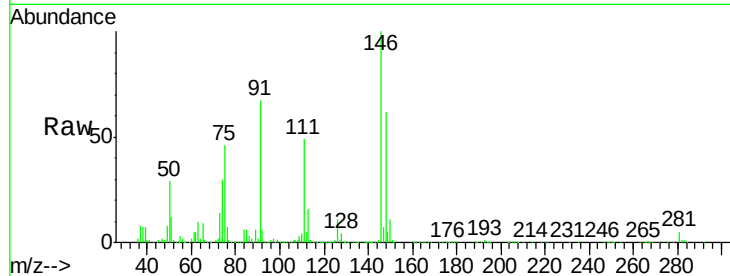
#75
 1,3-Dichlorobenzene
 Concen: 9.810 ppbv
 RT: 17.04 min Scan# 4432
 Delta R.T. -0.00 min
 Lab File: VL035371.D
 Acq: 10 Aug 2020 9:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.6	24.2	72.6
148	65.0	32.6	98.0

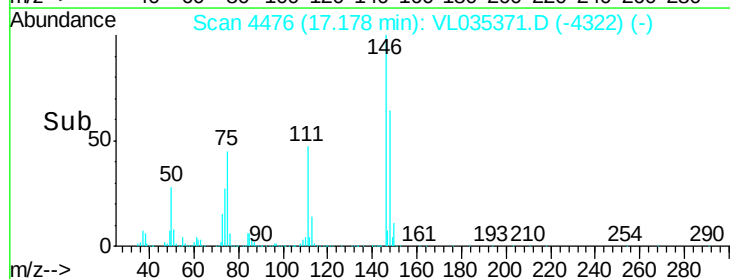
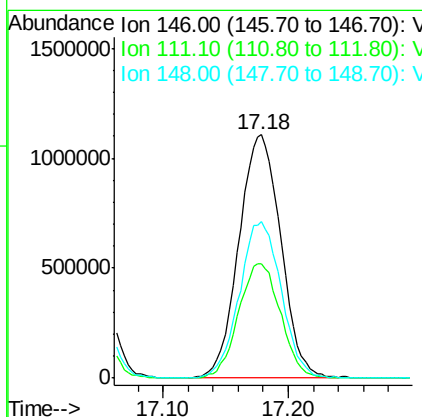
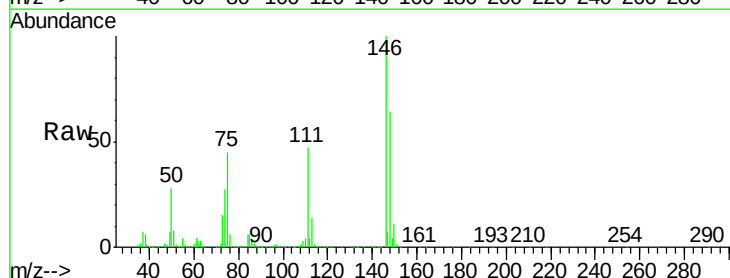
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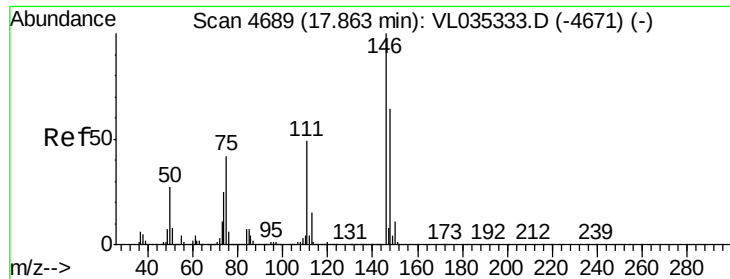
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#76
 1,4-Dichlorobenzene
 Concen: 10.620 ppbv
 RT: 17.18 min Scan# 4476
 Delta R.T. -0.00 min
 Lab File: VL035371.D
 Acq: 10 Aug 2020 9:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.3	23.3	69.9
148	64.2	32.1	96.5





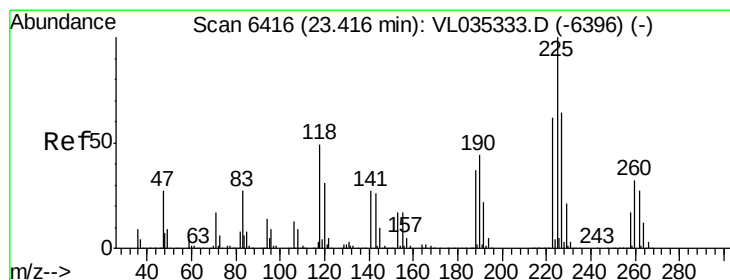
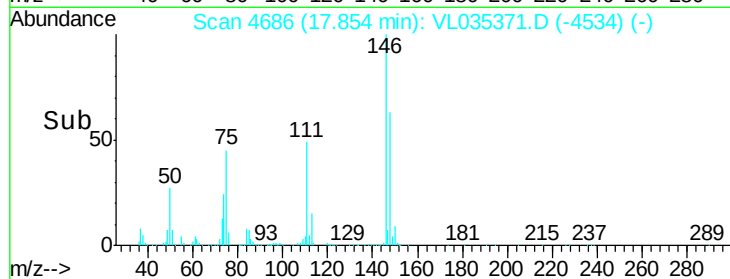
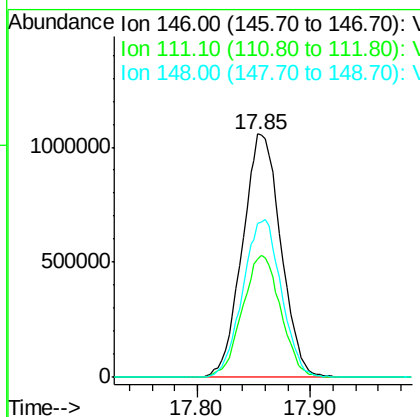
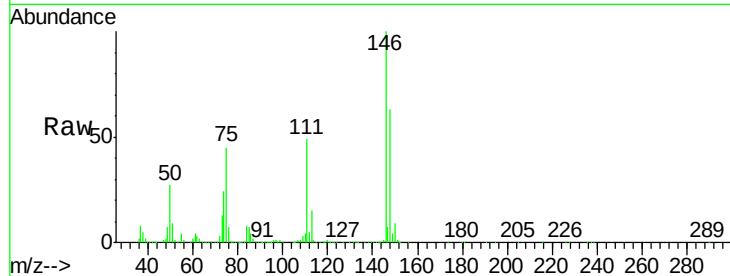
#77
 1,2-Dichlorobenzene
 Concen: 10.351 ppbv
 RT: 17.85 min Scan# 4686
 Delta R.T. -0.01 min
 Lab File: VL035371.D
 Acq: 10 Aug 2020 9:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.1	24.9	74.7
148	65.2	31.9	95.9

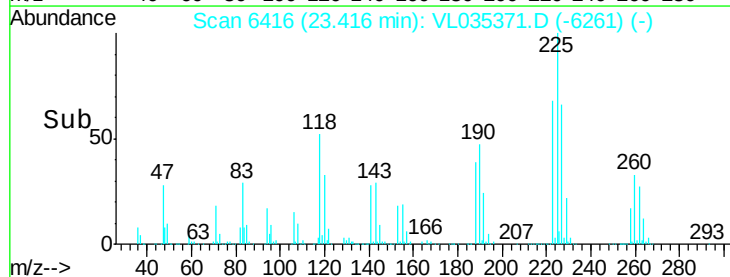
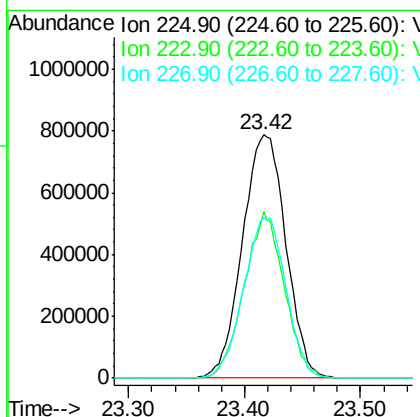
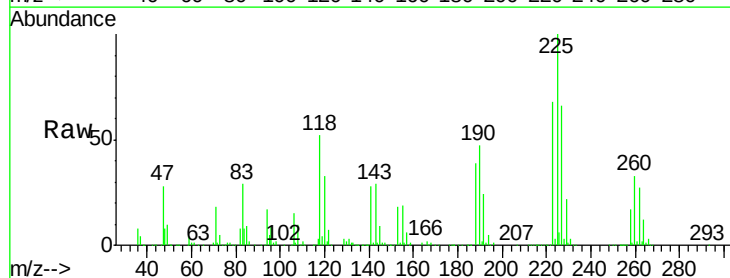
Manual Integrations
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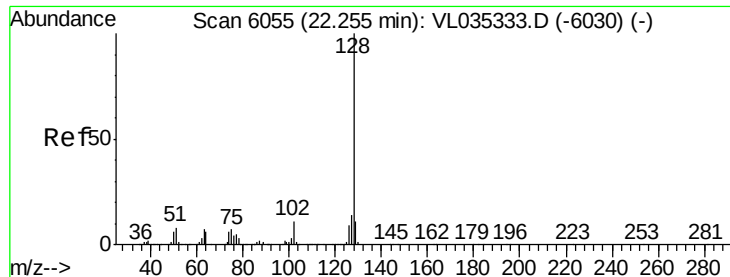
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#78
 Hexachloro-1,3-Butadiene
 Concen: 9.981 ppbv
 RT: 23.42 min Scan# 6416
 Delta R.T. -0.00 min
 Lab File: VL035371.D
 Acq: 10 Aug 2020 9:56

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.3	75.5
227	64.5	52.7	79.1





#79

Naphthalene

Concen: 13.411 ppbv

RT: 22.25 min Scan# 6054

Delta R.T. -0.00 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:128 Resp: 4120983

Ion Ratio Lower Upper

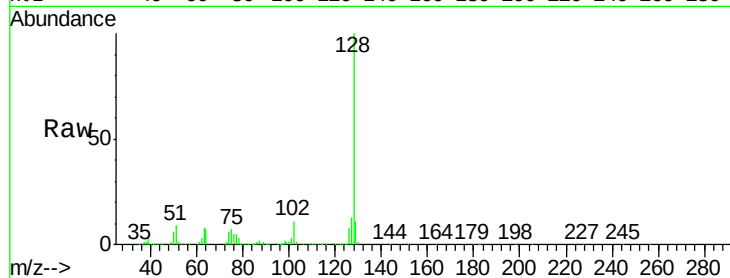
128 100

127 13.3 11.1 16.7

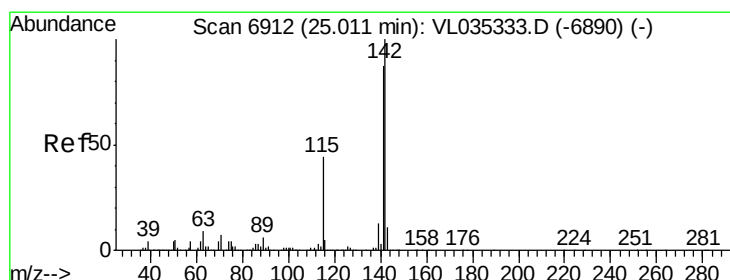
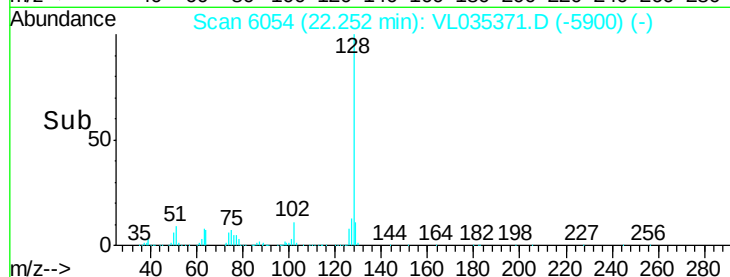
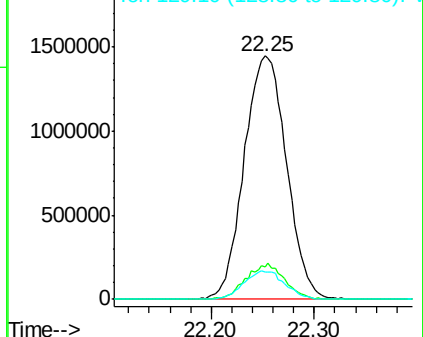
129 11.4 8.7 13.1

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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: 22.777 ppbv

RT: 25.01 min Scan# 6912

Delta R.T. -0.00 min

Lab File: VL035371.D

Acq: 10 Aug 2020 9:56

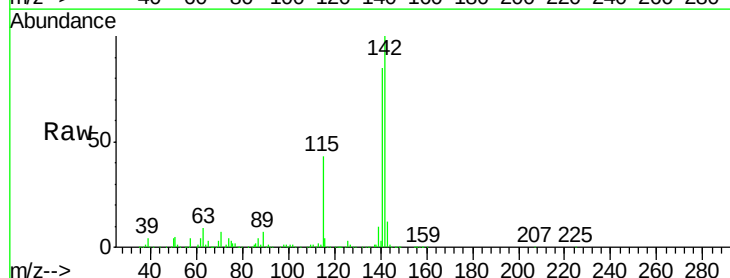
Tgt Ion:142 Resp: 1592151

Ion Ratio Lower Upper

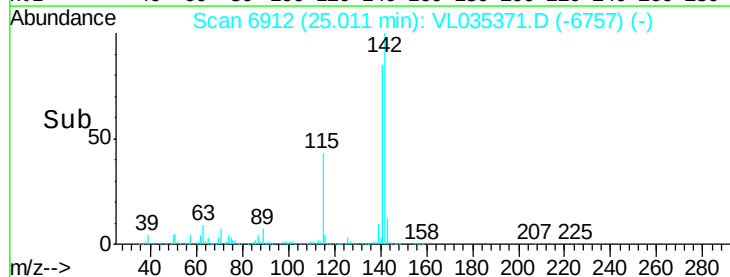
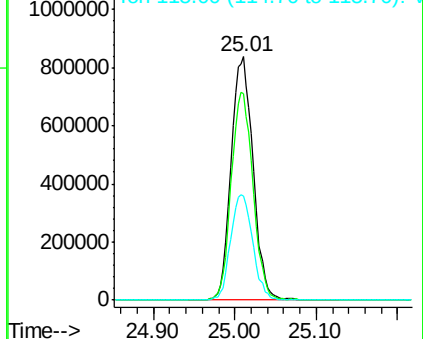
142 100

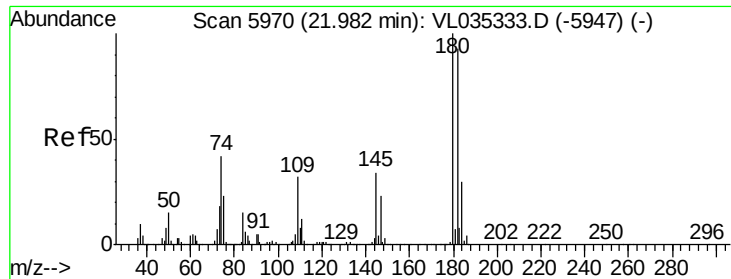
141 84.5 69.0 103.6

115 43.4 35.5 53.3



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: 11.918 ppbv
 RT: 21.98 min Scan# 5969
 Delta R.T. -0.00 min
 Lab File: VL035371.D
 Acq: 10 Aug 2020 9:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.3	77.2	115.8
184	31.0	25.1	37.7

Manual Integrations
 APPROVED

MMDadoda
 8/12/2020 3:58:18 PM

