

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081220\
 Data File : VL035382.D
 Acq On : 12 Aug 2020 12:37
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

MMDadoda
 8/17/2020 5:43:46 PM

Quant Time: Aug 12 15:31:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081220AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 12 15:31:51 2020
 QLast Update : Wed Aug 12 15:19:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1381721	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3252842	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3292499	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2506832	9.13	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	327372	1.781	ppbv	97
3) Chlorodifluoromethane	2.98	51	346198	2.195	ppbv	100
4) Chloromethane	3.14	50	185905	2.082	ppbv	97
5) Vinyl Chloride	3.25	62	187133	2.037	ppbv	99
6) Bromomethane	3.47	94	104960	1.865	ppbv	94
7) Chloroethane	3.56	64	66138	1.939	ppbv	93
8) Dichlorotetrafluoroethane	3.18	85	425965	1.961	ppbv	97
9) Propene	3.00	41	176221	3.135	ppbv	100
10) Heptane	8.14	43	466443	3.249	ppbv	98
11) Trichlorofluoromethane	3.95	101	434127	1.823	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	299055	1.757	ppbv	98
13) Ethanol	3.61	45	61883	3.192	ppbv	94
14) Bromoethene	3.74	108	130449	1.912	ppbv	95
15) Acetone	3.85	43	385615	1.965	ppbv	98
16) 1,3-Butadiene	3.32	39	187369	2.481	ppbv	96
17) tert-Butyl alcohol	4.29	59	414726	2.303	ppbv	100
18) 1,1-Dichloroethene	4.29	96	137752	1.885	ppbv	93
19) Isopropyl Alcohol	3.97	45	271797	2.185	ppbv #	84
20) Methylene Chloride	4.34	84	143971	1.799	ppbv	98
21) Allyl Chloride	4.41	41	255017	2.268	ppbv	97
22) trans-1,2-Dichloroethene	4.89	96	136360	1.924	ppbv	89
23) Vinyl Acetate	5.08	43	603989	3.210	ppbv	98
24) 1,1-Dichloroethane	5.02	63	393031	2.223	ppbv	99
25) Ethyl Acetate	5.69	43	790302	2.651	ppbv	99
26) Hexane	5.69	57	349417	2.702	ppbv	99
27) Carbon Disulfide	4.55	76	371101	2.052	ppbv	97
28) Methyl tert-Butyl Ether	5.04	73	545978	2.904	ppbv	100
29) Chloroform	5.76	83	472606	2.120	ppbv	99
30) Cyclohexane	7.14	84	274616	2.800	ppbv	89
31) cis-1,2-Dichloroethene	5.55	61	341229	2.968	ppbv	98
32) 1,1,1-Trichloroethane	6.52	97	495948	2.116	ppbv	98
34) 2-Butanone	5.25	43	512230	3.198	ppbv	100
35) Carbon Tetrachloride	7.02	117	480725	2.148	ppbv	98
36) Benzene	6.90	78	680771	3.099	ppbv	97
37) 1,2-Dichloroethane	6.31	62	373858	2.436	ppbv	99
38) Trichloroethene	7.85	130	251456	2.482	ppbv	96
39) 1,2-Dichloropropane	7.62	63	265799	2.989	ppbv	100
40) 1,4-Dioxane	7.86	88	92339	2.425	ppbv #	57
41) Tetrahydrofuran	6.07	42	300112	3.818	ppbv	98
42) Bromodichloromethane	7.80	83	541667	2.629	ppbv	96
43) Methyl Methacrylate	8.03	69	303676	3.286	ppbv	98

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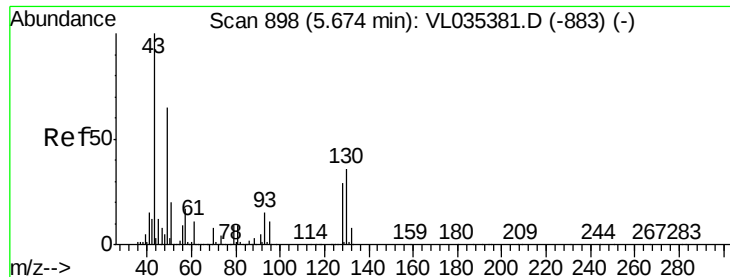
Manual Integrations
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Quant Time: Aug 12 15:31:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081220AIR.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	1203819	3.085	ppbv	98
45) t-1,3-Dichloropropene	9.29	75	345611	3.605	ppbv	94
46) cis-1,3-Dichloropropene	8.71	75	415024	3.585	ppbv	96
47) 1,1,2-Trichloroethane	9.49	97	280193m	2.621	ppbv	
48) Dibromochloromethane	10.32	129	444899	2.540	ppbv	99
49) Bromoform	13.06	173	380813	2.386	ppbv	98
50) 4-Methyl-2-Pentanone	8.76	43	762142	3.117	ppbv	99
51) 2-Hexanone	10.16	43	666090	3.474	ppbv	100
52) Tetrachloroethene	11.24	164	224847	2.582	ppbv	96
53) Toluene	9.82	91	822170	3.441	ppbv	98
54) 1,2-Dibromoethane	10.63	107	436701	2.847	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.15	131	349758	2.250	ppbv #	1
57) Chlorobenzene	12.17	112	614098	2.477	ppbv	93
58) Ethyl Benzene	12.74	91	1126882	3.289	ppbv	97
59) m/p-Xylene	13.02	91	1920370m	6.020	ppbv	
60) o-Xylene	13.72	91	916891	2.896	ppbv	99
61) Styrene	13.55	104	675049	3.492	ppbv	100
62) Isopropylbenzene	14.69	105	1388272	2.912	ppbv	96
63) 1,1,2,2-Tetrachloroethane	13.70	83	643304	2.382	ppbv	99
64) n-propylbenzene	15.59	120	362639	2.831	ppbv	86
65) tert-Butylbenzene	16.77	119	1234559	2.828	ppbv	99
66) Benzyl Chloride	17.01	91	577992	3.346	ppbv	99
67) sec-Butylbenzene	17.32	105	1811947	2.935	ppbv	97
69) p-Isopropyltoluene	17.68	119	1498562	2.977	ppbv	98
70) n-Butylbenzene	18.57	91	1660998	3.085	ppbv	97
71) 2-Chlorotoluene	15.48	91	1114660	3.192	ppbv	98
72) 4-Ethyltoluene	15.86	105	1118759	3.100	ppbv	98
73) 1,3,5-Trimethylbenzene	16.02	105	1059073	3.058	ppbv	98
74) 1,2,4-Trimethylbenzene	16.79	105	1137627	2.874	ppbv	92
75) 1,3-Dichlorobenzene	17.02	146	609928	2.355	ppbv	99
76) 1,4-Dichlorobenzene	17.16	146	621707	2.592	ppbv	99
77) 1,2-Dichlorobenzene	17.84	146	613107	2.565	ppbv	99
78) Hexachloro-1,3-Butadiene	23.40	225	521851m	2.567	ppbv	
79) Naphthalene	22.24	128	1437936	4.723	ppbv	97
80) Naphthalene, 2-methyl-	24.99	142	700466	10.114	ppbv	99
81) 1,2,4-Trichlorobenzene	21.96	180	680710	3.548	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.00 min

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VSTDIC002

Tot Ion: 49 Resp: 1381721

Ion Ratio Lower Upper

49 100

128 44.0 21.8 65.3

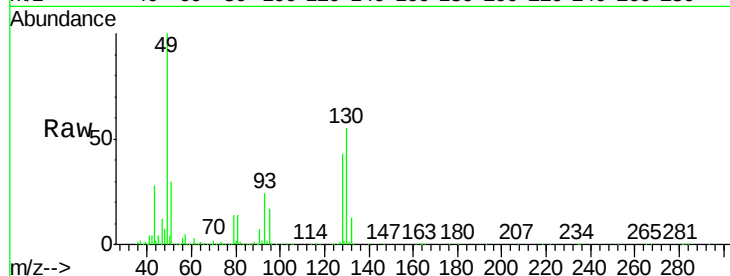
130 55.6 27.9 83.6

Manual Integrations

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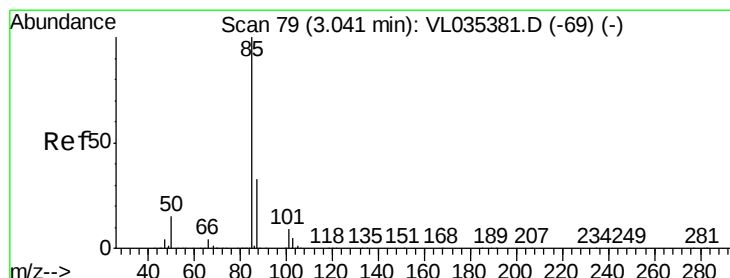
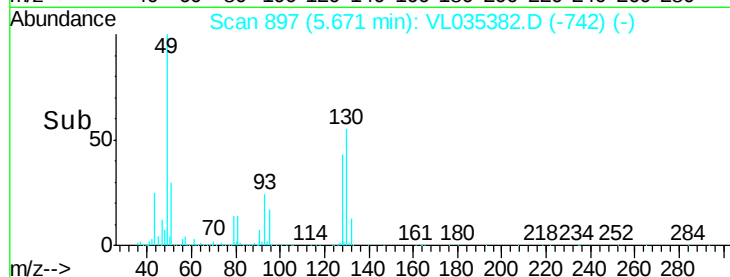
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.67

Time-->



#2

Dichlorodifluoromethane

Concen: 1.781 ppbv

RT: 3.04 min Scan# 80

Delta R.T. 0.00 min

Lab File: VL035382.D

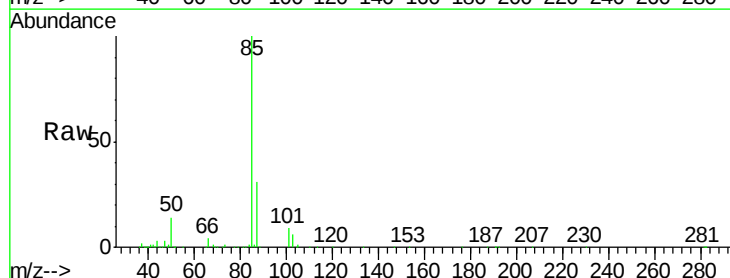
Acq: 12 Aug 2020 12:37

Tgt Ion: 85 Resp: 327372

Ion Ratio Lower Upper

85 100

87 31.0 26.1 39.1

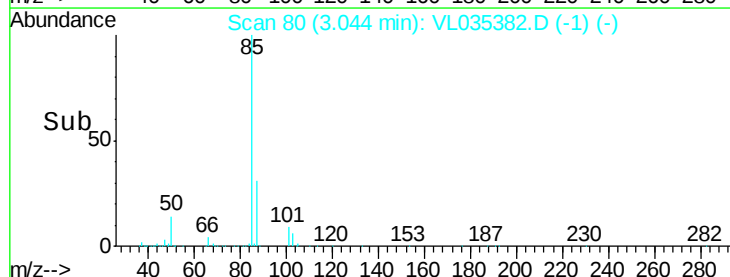


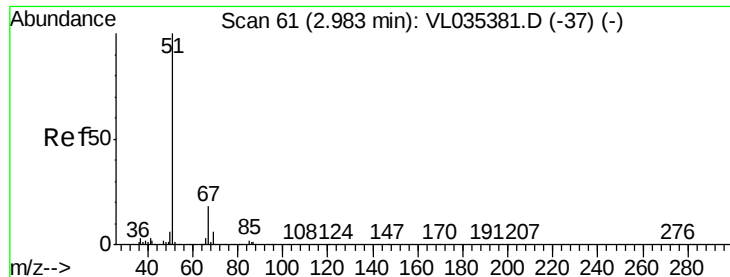
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.04

Time-->





#3

Chlorodifluoromethane

Concen: 2.195 ppbv

RT: 2.98 min Scan# 61

Delta R.T. 0.00 min

Lab File: VL035382.D

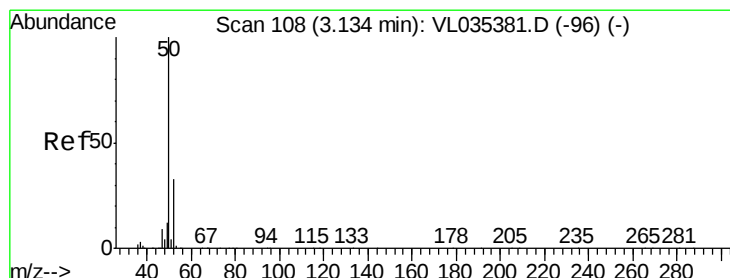
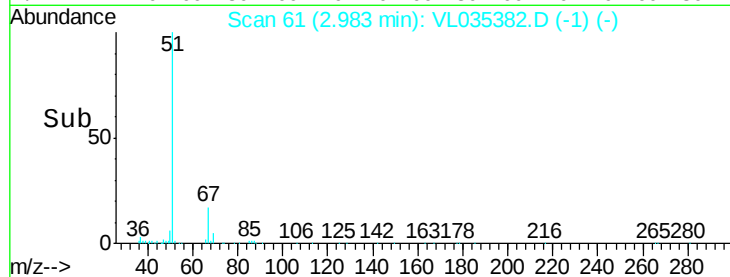
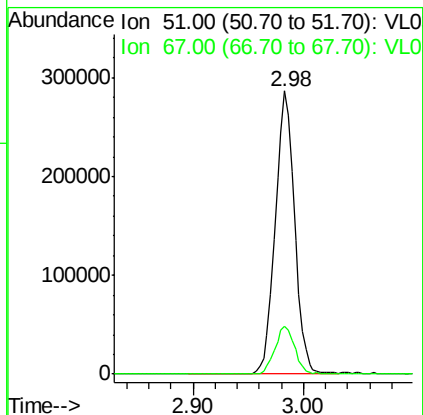
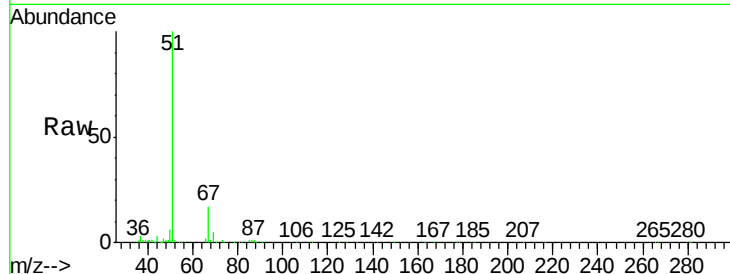
Acq: 12 Aug 2020 12:37

Tot Ion	Ratio	Lower	Upper
51	100		
67	17.6	14.1	21.1

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#4

Chloromethane

Concen: 2.082 ppbv

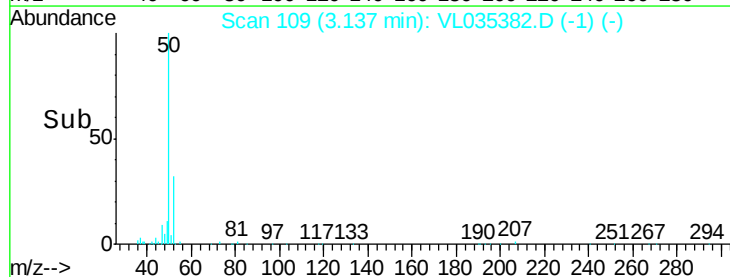
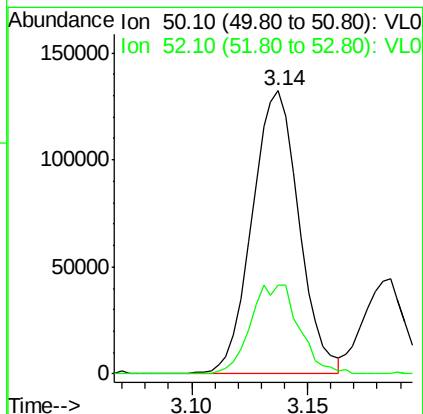
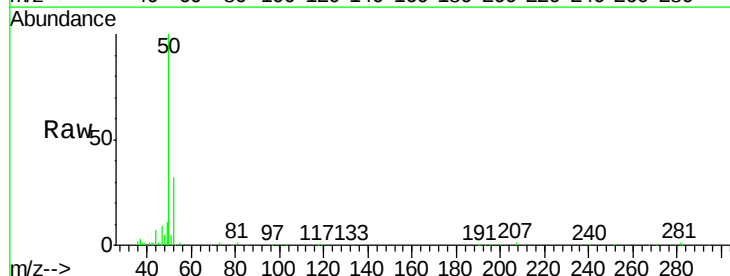
RT: 3.14 min Scan# 109

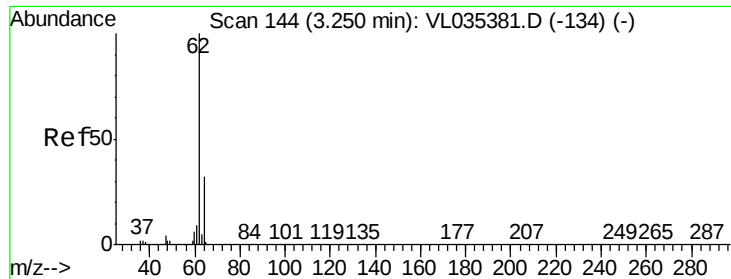
Delta R.T. 0.00 min

Lab File: VL035382.D

Acq: 12 Aug 2020 12:37

Tgt Ion	Ratio	Lower	Upper
50	100		
52	31.6	26.6	39.8





#5

Vinyl Chloride

Concen: 2.037 ppbv

RT: 3.25 min Scan# 145

Delta R.T. 0.00 min

Lab File: VL035382.D

Acq: 12 Aug 2020 12:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 62 Resp: 187133

Ion Ratio Lower Upper

62 100

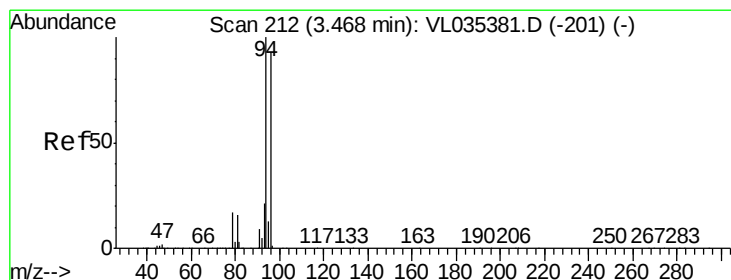
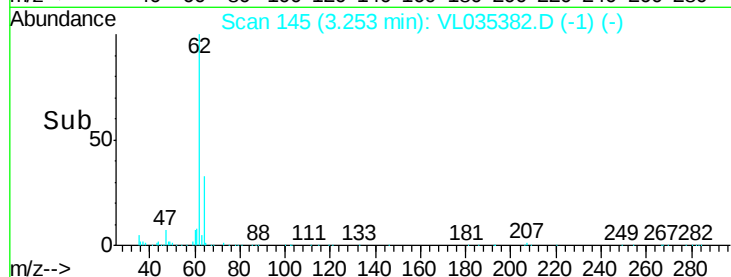
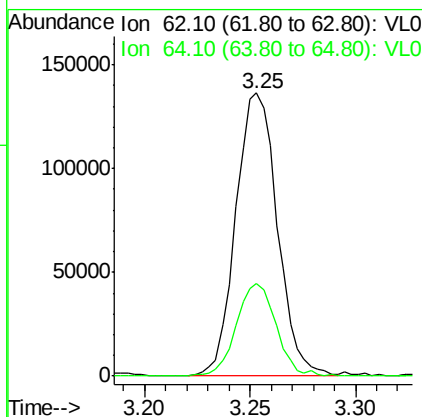
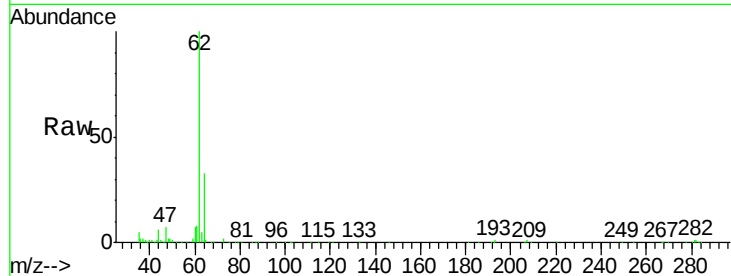
64 32.7 25.7 38.5

Manual Integrations

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#6

Bromomethane

Concen: 1.865 ppbv

RT: 3.47 min Scan# 212

Delta R.T. 0.00 min

Lab File: VL035382.D

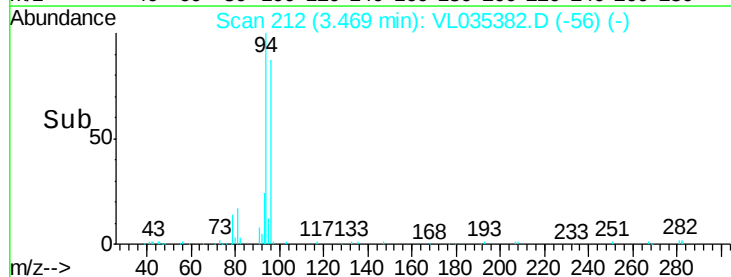
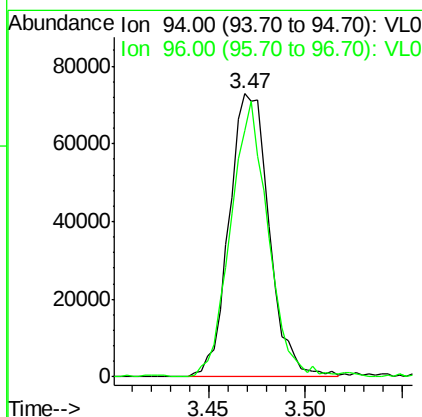
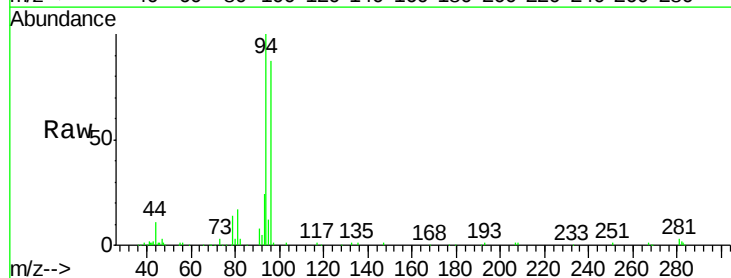
Acq: 12 Aug 2020 12:37

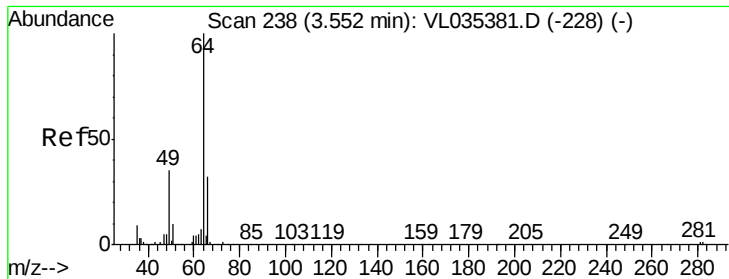
Tgt Ion: 94 Resp: 104960

Ion Ratio Lower Upper

94 100

96 86.9 74.4 111.6





#7

Chloroethane

Concen: 1.939 ppbv

RT: 3.56 min Scan# 239

Delta R.T. 0.00 min

Lab File: VL035382.D

Acq: 12 Aug 2020 12:37

Instrument :

MSVOA_L

ClientSampleId :

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Tot Ion: 64 Resp: 66138

Ion Ratio Lower Upper

64 100

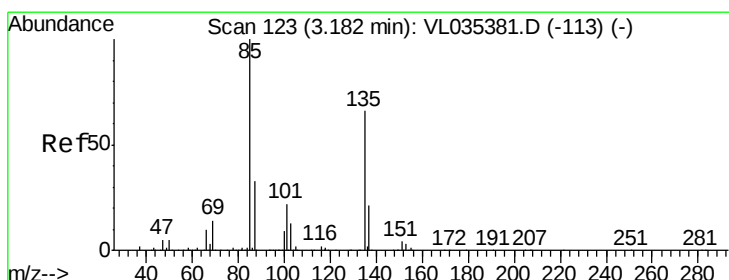
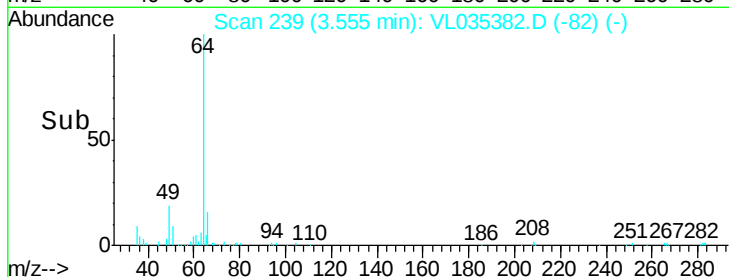
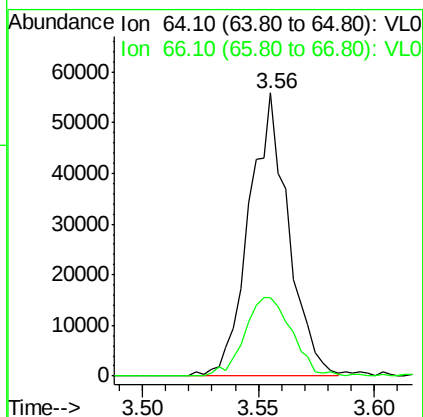
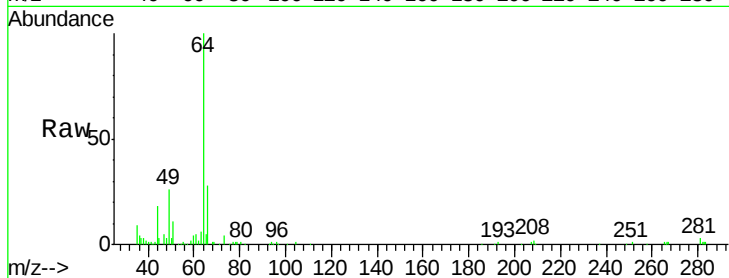
66 27.9 25.7 38.5

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 1.961 ppbv

RT: 3.18 min Scan# 123

Delta R.T. 0.00 min

Lab File: VL035382.D

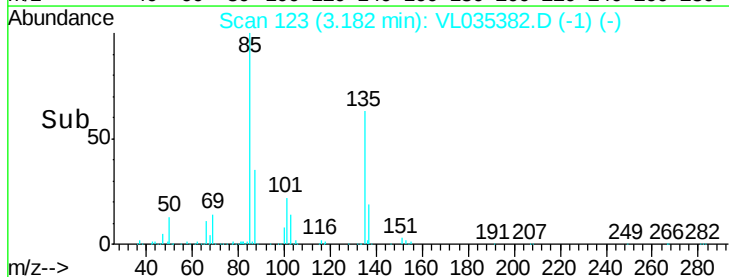
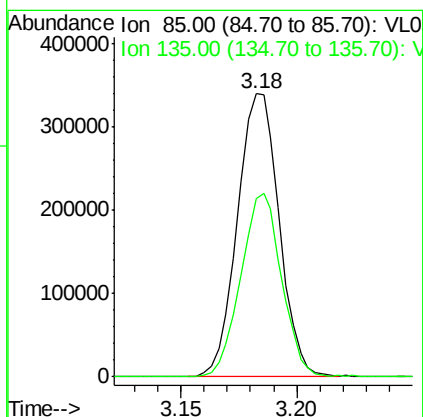
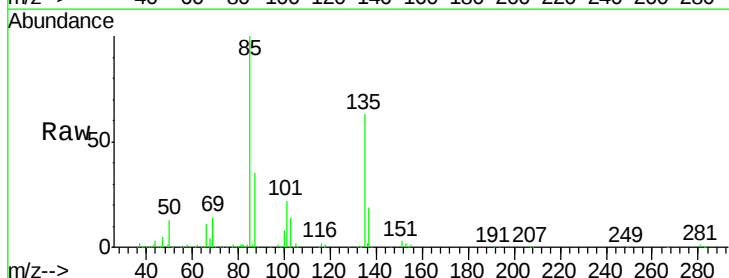
Acq: 12 Aug 2020 12:37

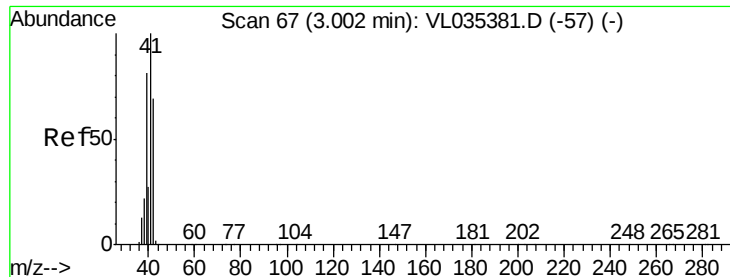
Tgt Ion: 85 Resp: 425965

Ion Ratio Lower Upper

85 100

135 63.5 52.5 78.7





#9

Propene

Concen: 3.135 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.00 min

Lab File: VL035382.D

Acq: 12 Aug 2020 12:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 41 Resp: 176221

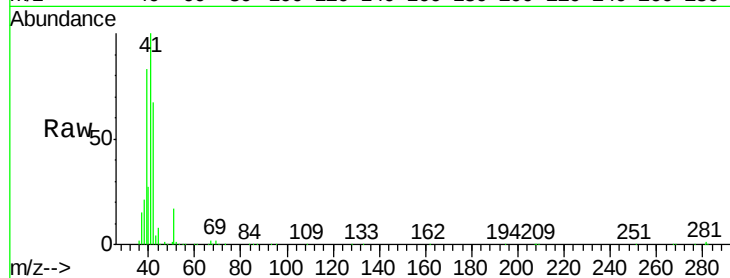
Ion Ratio Lower Upper

41 100

42 69.6 55.4 83.2

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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3.00

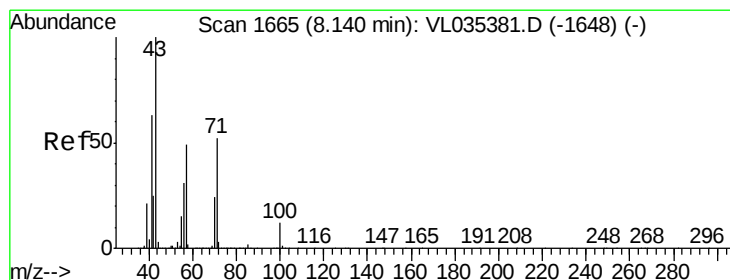
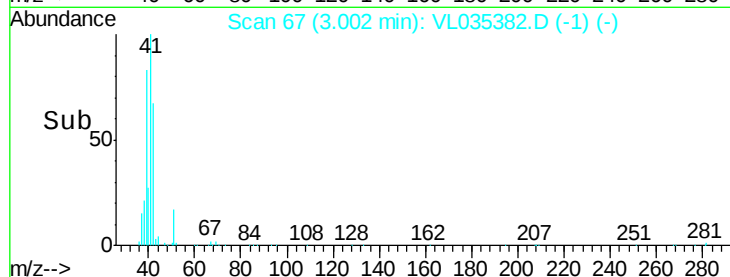
150000

100000

50000

0

Time-->



#10

Heptane

Concen: 3.249 ppbv

RT: 8.14 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VL035382.D

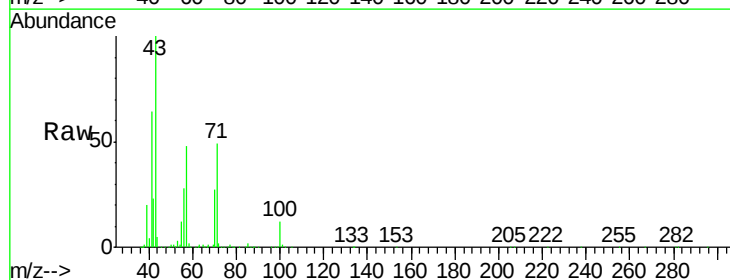
Acq: 12 Aug 2020 12:37

Tgt Ion: 43 Resp: 466443

Ion Ratio Lower Upper

43 100

57 48.0 39.4 59.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.14

250000

200000

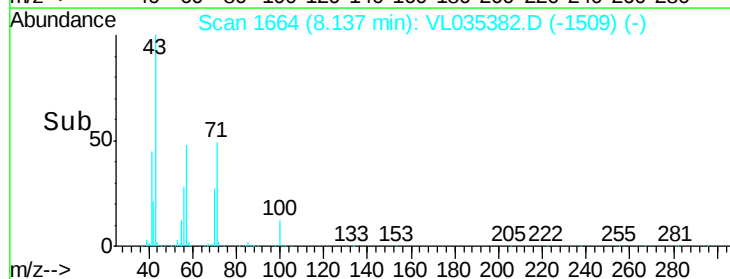
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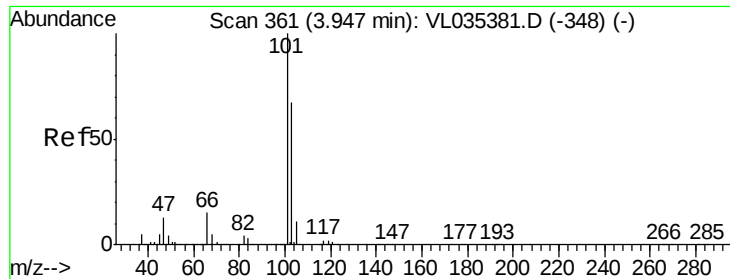
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50000

0

Time-->





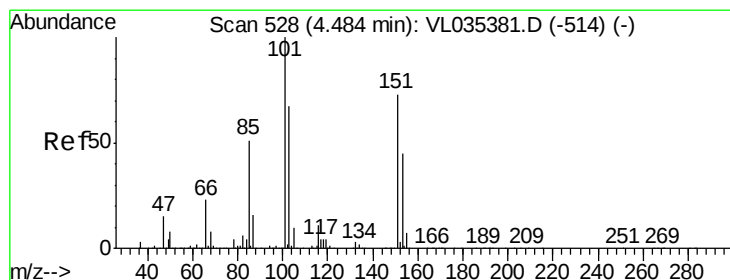
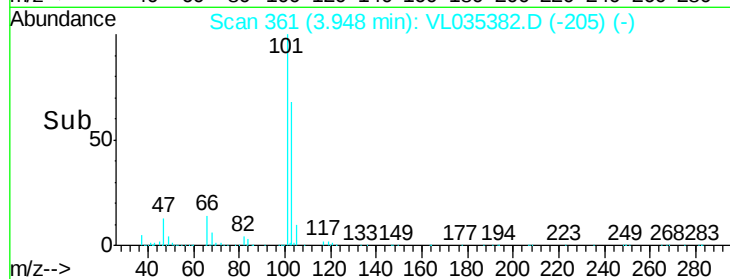
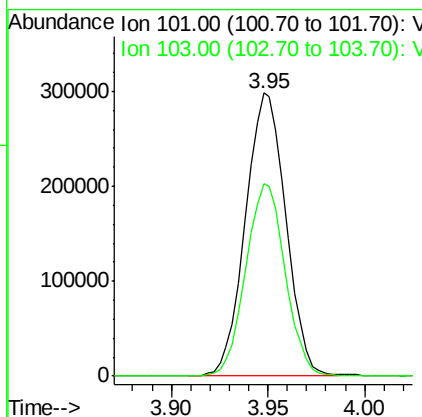
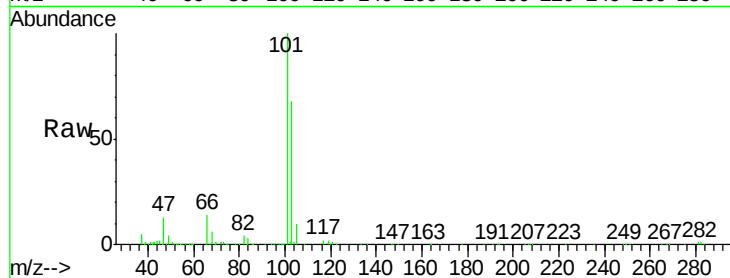
#11
 Trichlorofluoromethane
 Concen: 1.823 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. 0.00 min
 Lab File: VL035382.D
 Acq: 12 Aug 2020 12:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.7	53.3	79.9

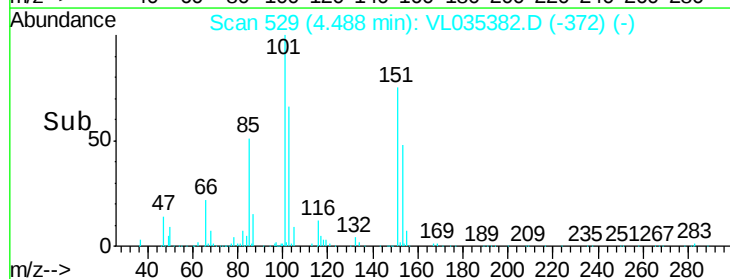
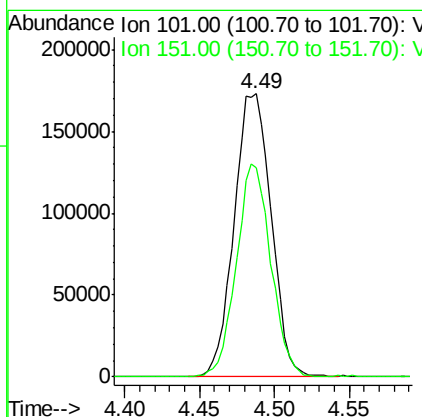
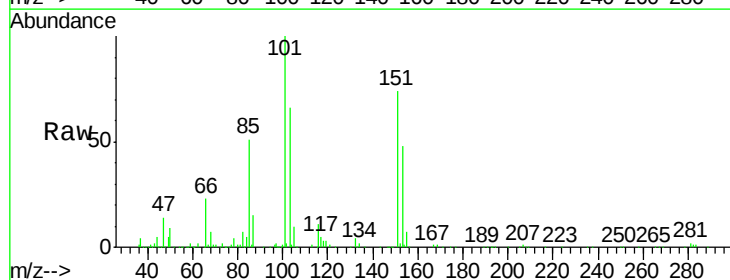
Manual Integrations
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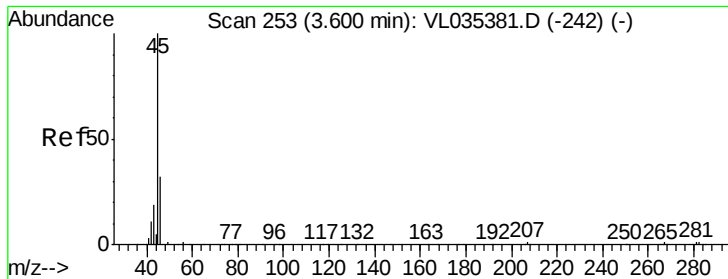
MMDadoda
 8/17/2020 5:43:46 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.757 ppbv
 RT: 4.49 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VL035382.D
 Acq: 12 Aug 2020 12:37

Tgt Ion	Ratio	Lower	Upper
101	100		
151	69.8	57.0	85.6





#13

Ethanol

Concen: 3.192 ppbv

RT: 3.61 min Scan# 255

Delta R.T. 0.01 min

Lab File: VL035382.D

Acq: 12 Aug 2020 12:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 45 Resp: 61883

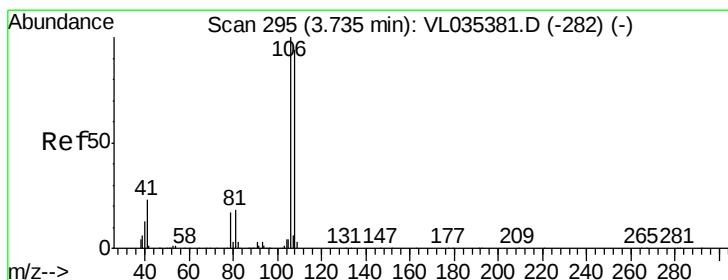
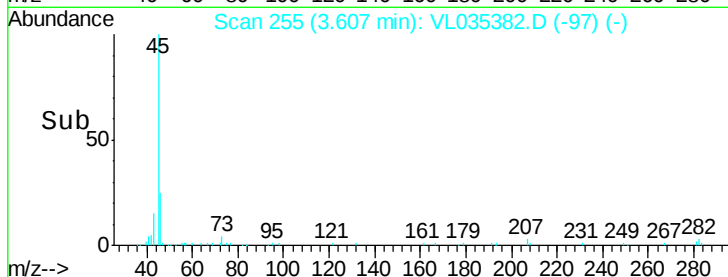
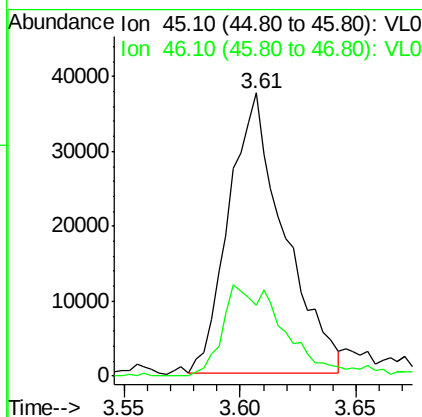
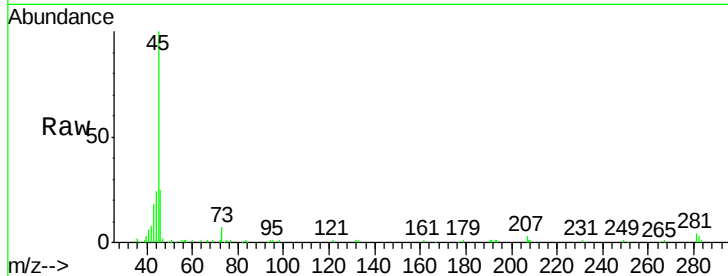
Ion Ratio Lower Upper

45 100

46 38.6 14.1 56.3

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#14

Bromoethene

Concen: 1.912 ppbv

RT: 3.74 min Scan# 296

Delta R.T. 0.00 min

Lab File: VL035382.D

Acq: 12 Aug 2020 12:37

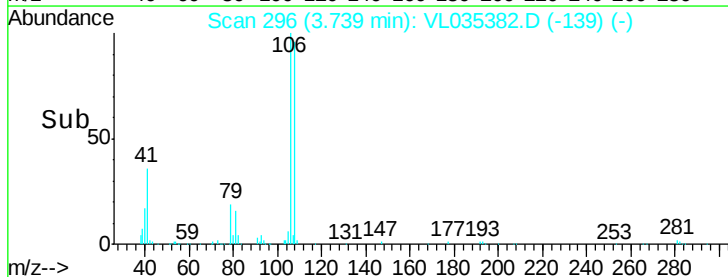
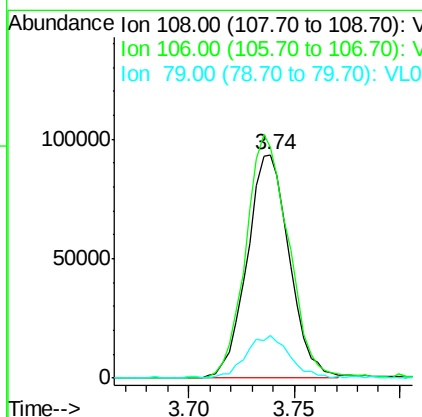
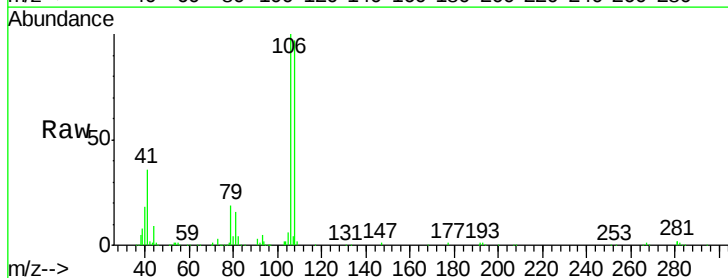
Tgt Ion: 108 Resp: 130449

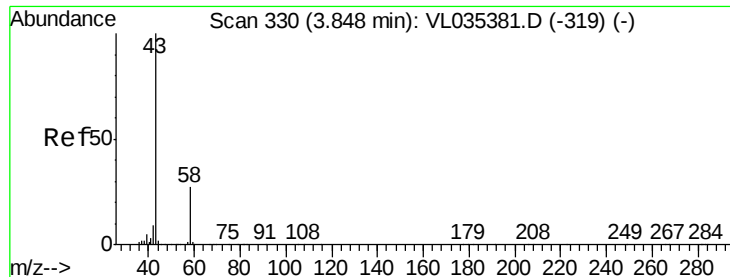
Ion Ratio Lower Upper

108 100

106 111.4 84.9 127.3

79 20.3 15.8 23.8





#15

Acetone

Concen: 1.965 ppbv

RT: 3.85 min Scan# 331

Delta R.T. 0.00 min

Lab File: VL035382.D

Acq: 12 Aug 2020 12:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 43 Resp: 385615

Ion Ratio Lower Upper

43 100

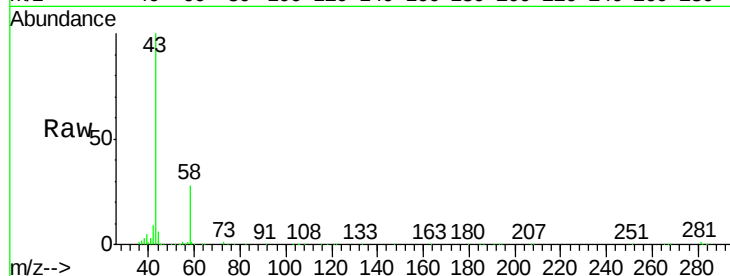
58 28.2 21.7 32.5

Manual Integrations

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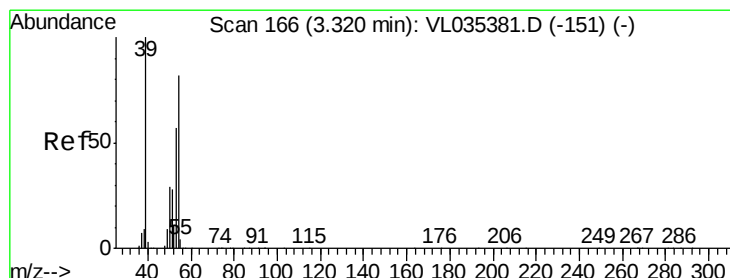
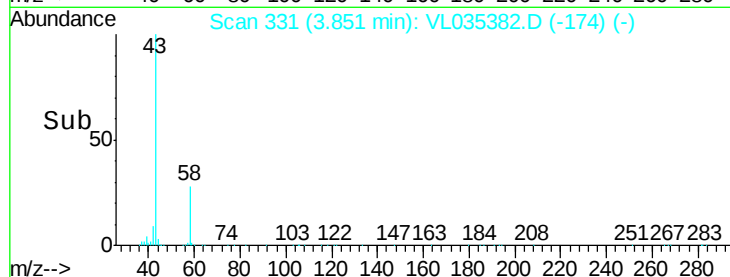
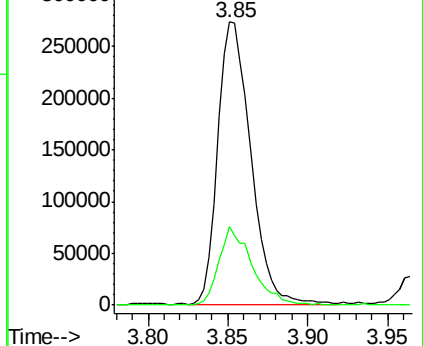
MMDadoda

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 2.481 ppbv

RT: 3.32 min Scan# 167

Delta R.T. 0.00 min

Lab File: VL035382.D

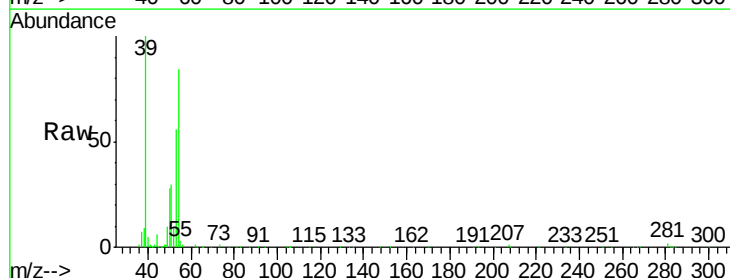
Acq: 12 Aug 2020 12:37

Tgt Ion: 39 Resp: 187369

Ion Ratio Lower Upper

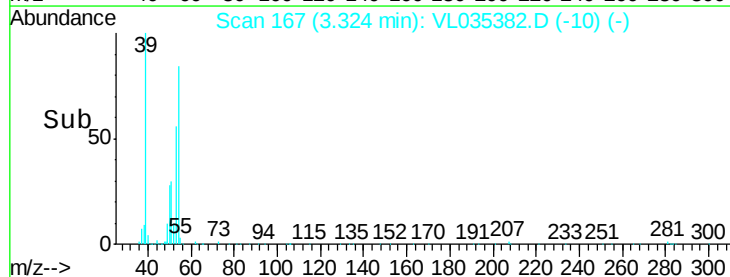
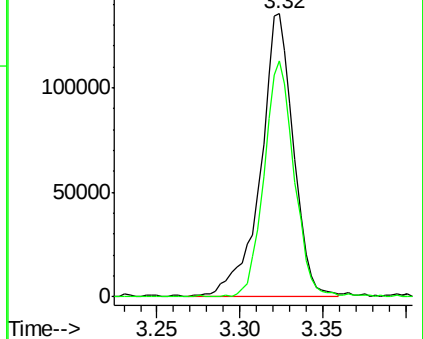
39 100

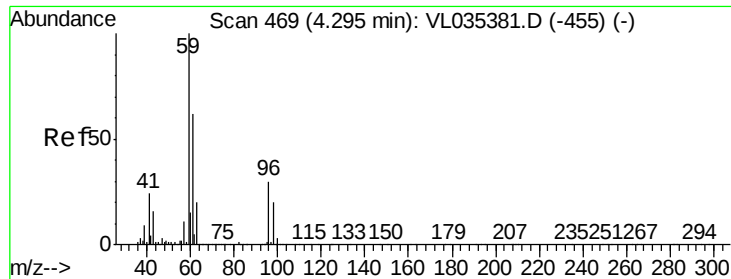
54 77.2 64.9 97.3



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





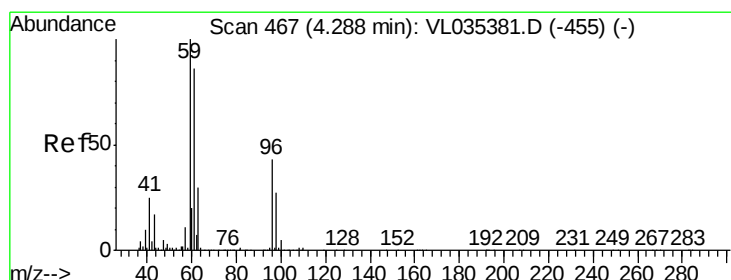
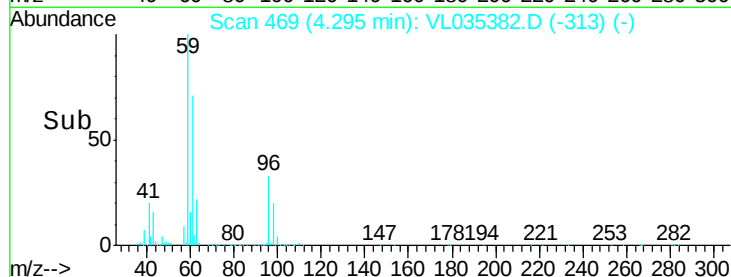
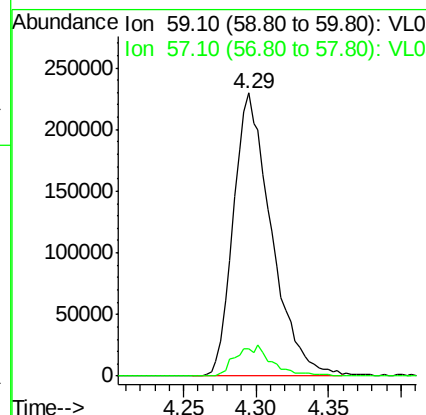
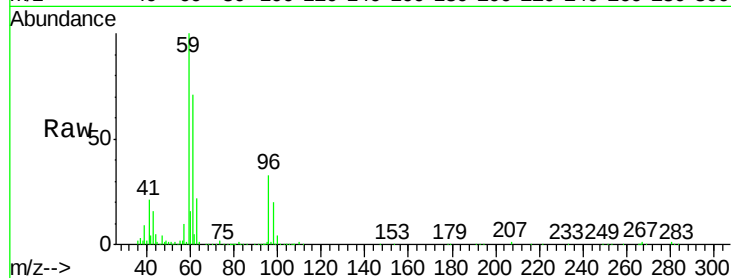
#17
tert-Butyl alcohol
Concen: 2.303 ppbv
RT: 4.29 min Scan# 469
Delta R.T. 0.00 min
Lab File: VL035382.D
Acq: 12 Aug 2020 12:37

Instrument :
MSVOA_L
ClientSampleID :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.6	13.0

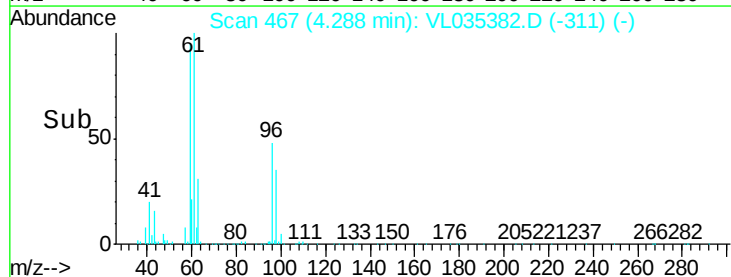
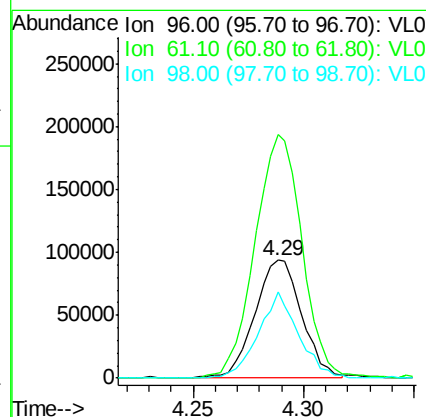
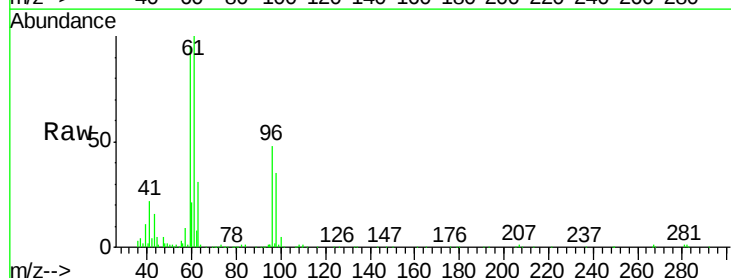
Manual Integrations
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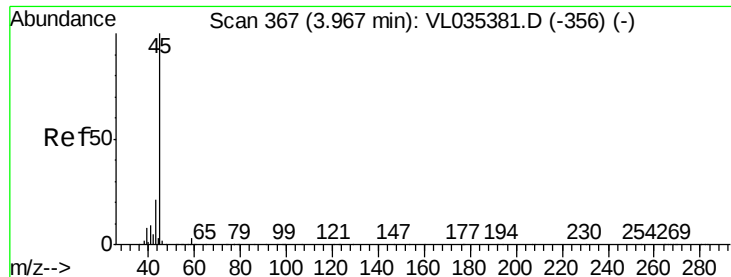
MMDadoda
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#18
1,1-Dichloroethene
Concen: 1.885 ppbv
RT: 4.29 min Scan# 467
Delta R.T. 0.00 min
Lab File: VL035382.D
Acq: 12 Aug 2020 12:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	206.8	159.0	238.4
98	72.9	50.3	75.5





#19

Isopropyl Alcohol

Concen: 2.185 ppbv

RT: 3.97 min Scan# 367

Delta R.T. 0.00 min

Lab File: VL035382.D

Acq: 12 Aug 2020 12:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 45 Resp: 271797

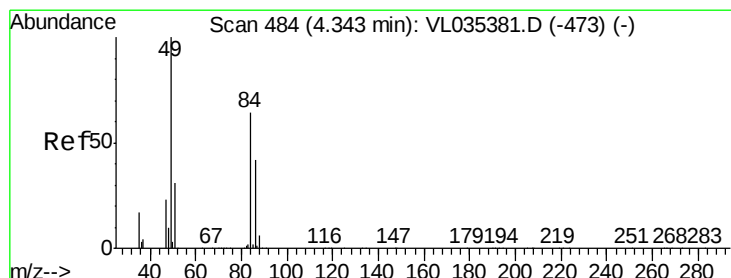
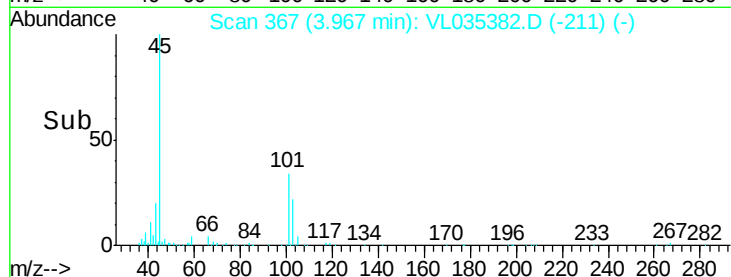
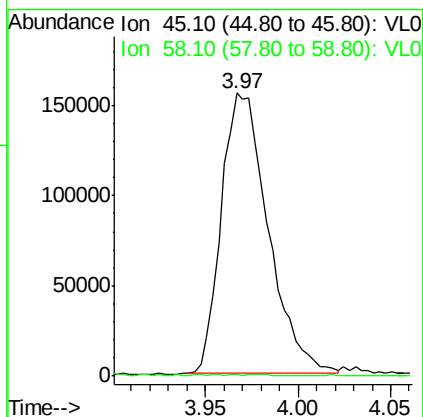
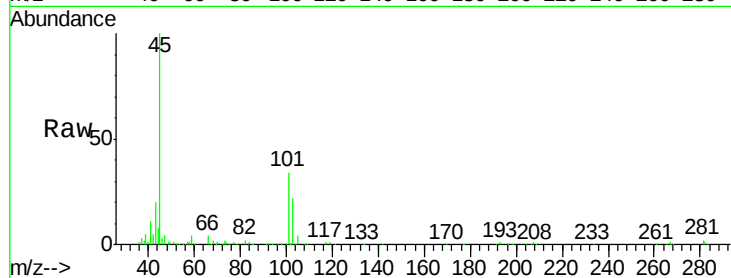
Ion Ratio Lower Upper

45 100

58 40.2 24.9 37.3#

Manual Integrations
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#20

Methylene Chloride

Concen: 1.799 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.00 min

Lab File: VL035382.D

Acq: 12 Aug 2020 12:37

Tgt Ion: 84 Resp: 143971

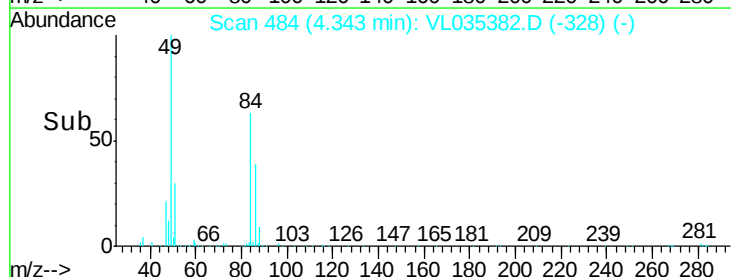
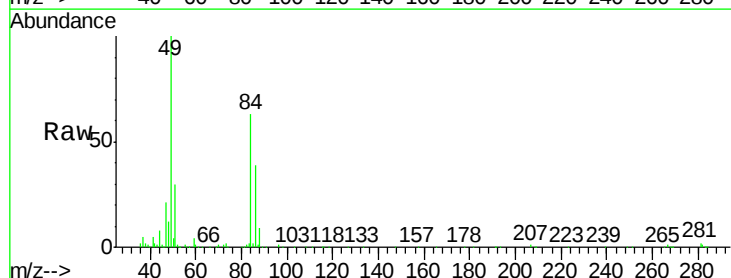
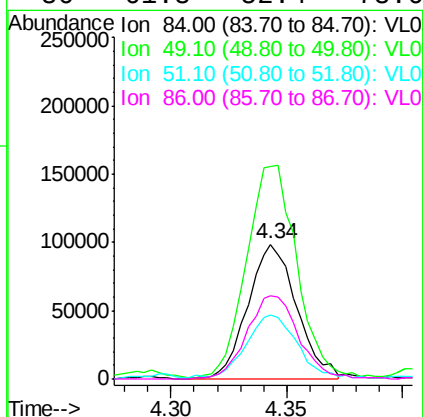
Ion Ratio Lower Upper

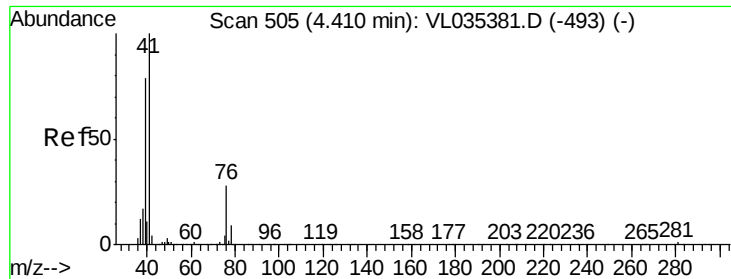
84 100

49 156.0 125.7 188.5

51 46.6 38.5 57.7

86 61.8 52.4 78.6





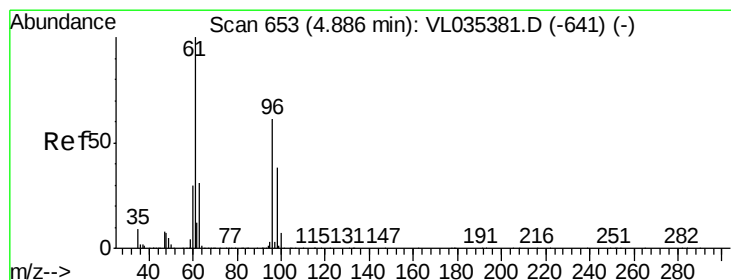
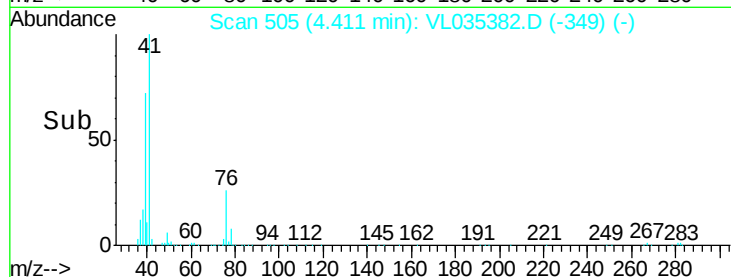
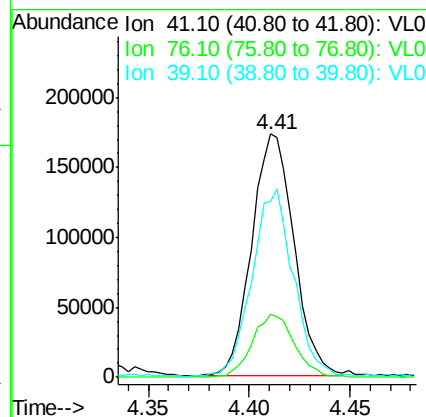
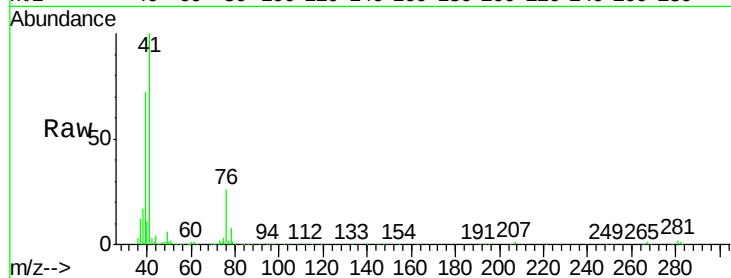
#21
Allvl Chloride
Concen: 2.268 ppbv
RT: 4.41 min Scan# 505
Delta R.T. 0.00 min
Lab File: VL035382.D
Acq: 12 Aug 2020 12:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
41	100		
76	26.4	22.4	33.6
39	75.9	63.0	94.4

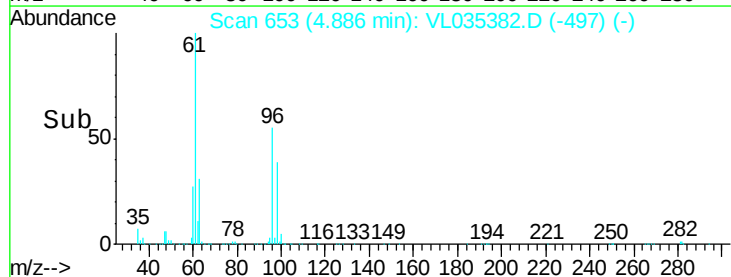
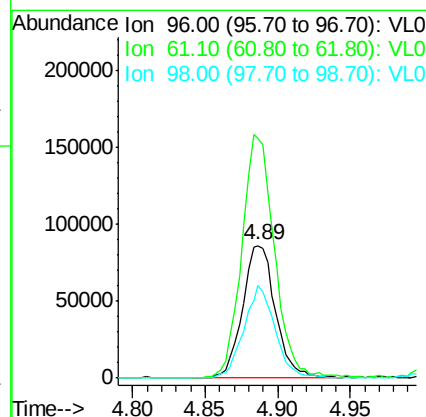
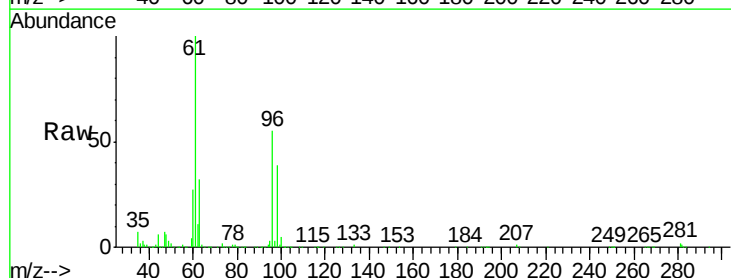
Manual Integrations
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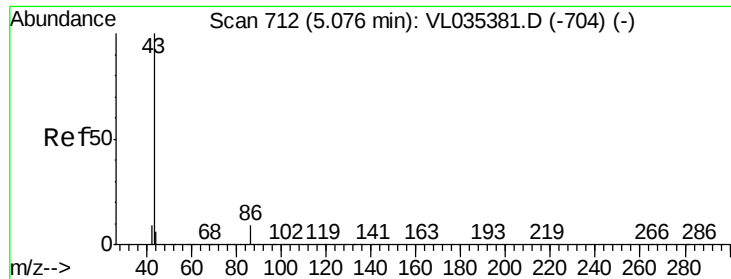
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 1.924 ppbv
RT: 4.89 min Scan# 653
Delta R.T. 0.00 min
Lab File: VL035382.D
Acq: 12 Aug 2020 12:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	180.7	131.8	197.6
98	69.6	49.6	74.4





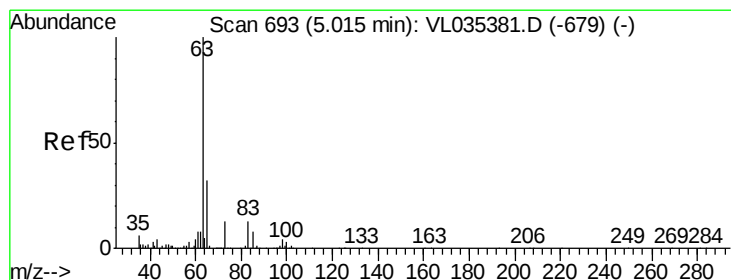
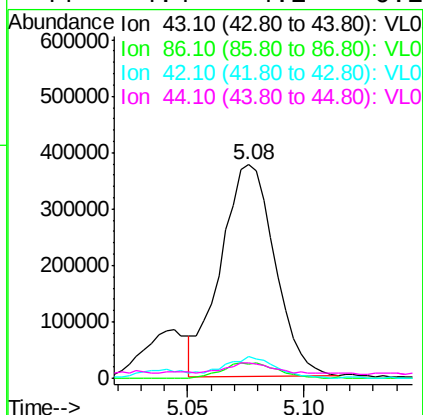
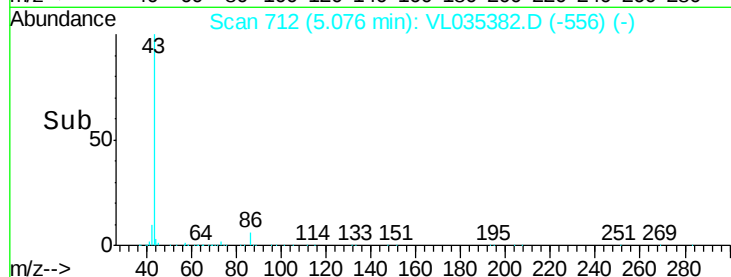
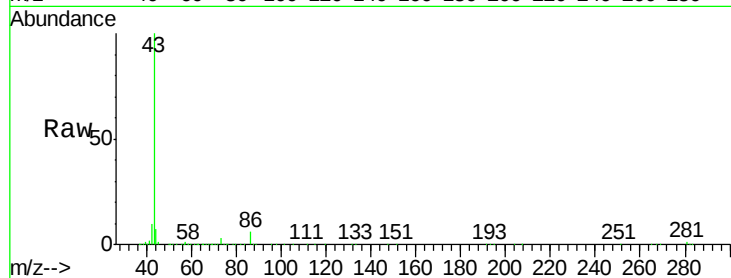
#23
 Vinyl Acetate
 Concen: 3.210 ppbv
 RT: 5.08 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VL035382.D
 Acq: 12 Aug 2020 12:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		603989		
86	6.3		5.8	8.8	
42	10.2		8.0	12.0	
44	4.4		4.2	6.2	

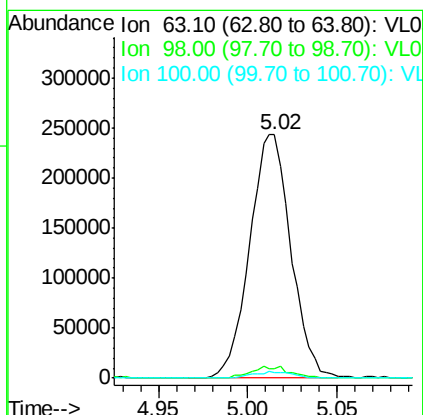
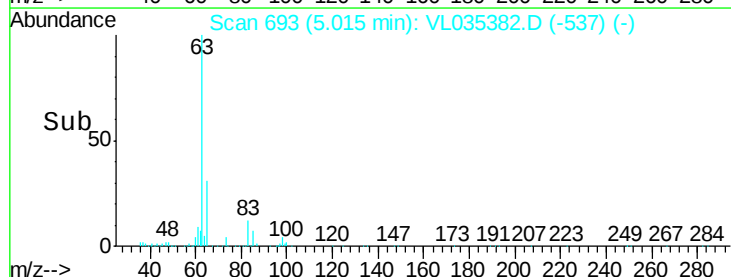
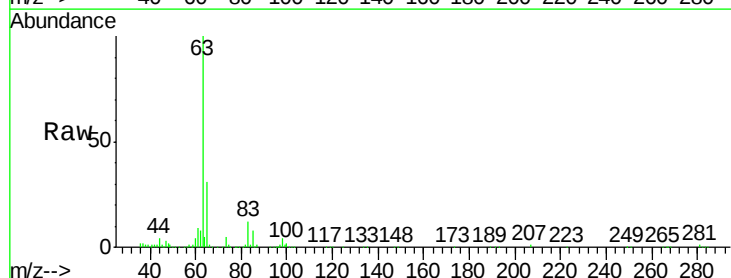
Manual Integrations
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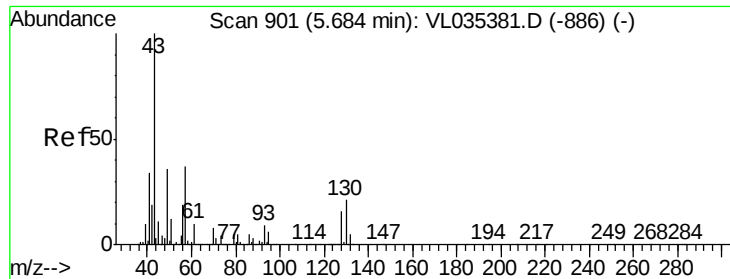
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#24
 1,1-Dichloroethane
 Concen: 2.223 ppbv
 RT: 5.02 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VL035382.D
 Acq: 12 Aug 2020 12:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
63	100		393031		
98	3.9		2.2	6.6	
100	2.5		1.4	4.0	





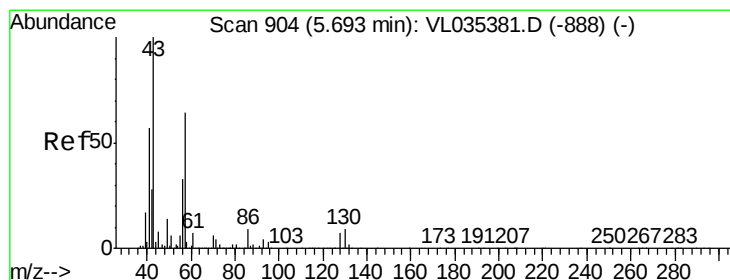
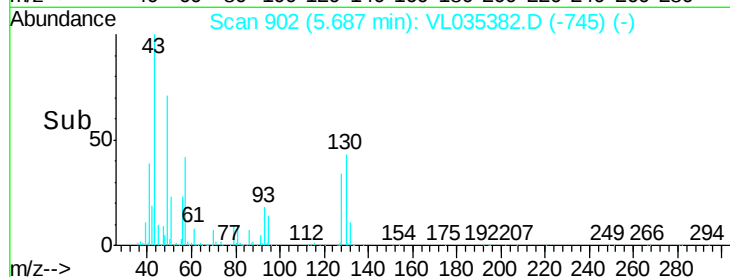
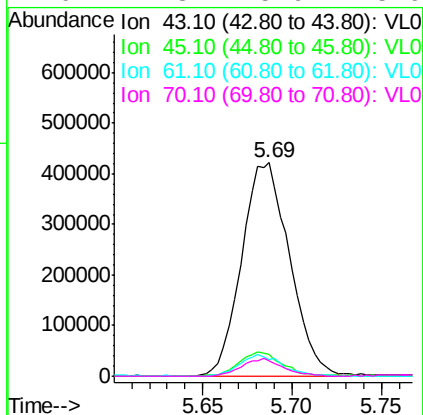
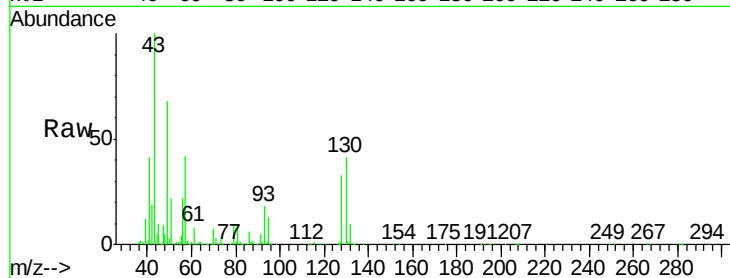
#25
Ethyl Acetate
Concen: 2.651 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.00 min
Lab File: VL035382.D
Acq: 12 Aug 2020 12:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.0	12.0
61	9.0	7.4	11.2
70	7.3	5.9	8.9

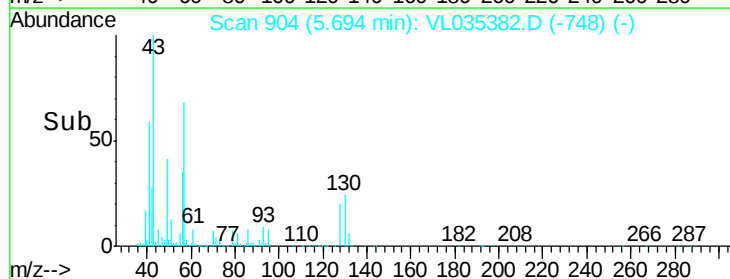
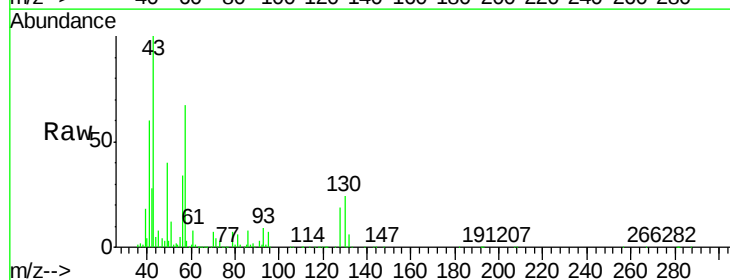
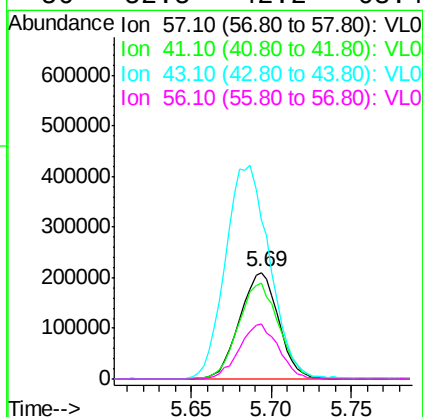
Manual Integrations
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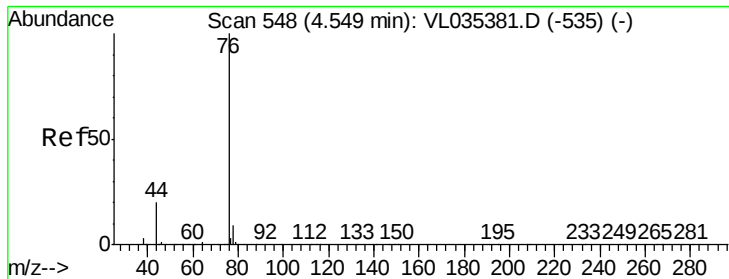
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#26
Hexane
Concen: 2.702 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.00 min
Lab File: VL035382.D
Acq: 12 Aug 2020 12:37

Tgt Ion	Ratio	Lower	Upper
57	100		
41	95.1	75.4	113.2
43	227.6	184.1	276.1
56	52.5	42.2	63.4





#27

Carbon Disulfide

Concen: 2.052 ppbv

RT: 4.55 min Scan# 549

Delta R.T. 0.00 min

Lab File: VL035382.D

Acq: 12 Aug 2020 12:37

Instrument :

MSVOA_L

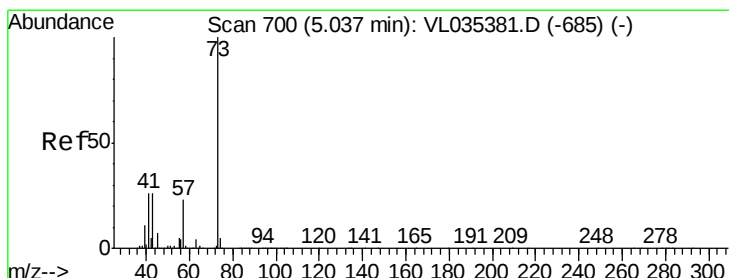
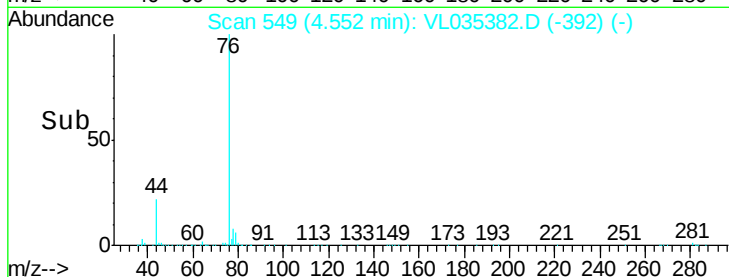
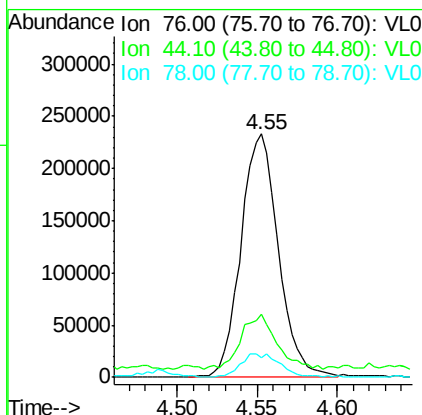
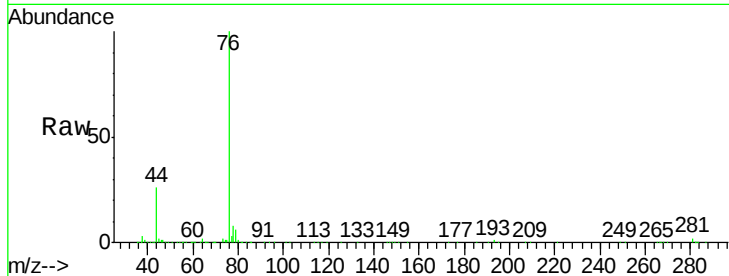
ClientSampleId :

VSTDIC002

Tot Ion:	76	Resp:	371101
Ion Ratio	Lower	Upper	
76	100		
44	22.9	17.0	25.4
78	10.6	7.5	11.3

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 2.904 ppbv

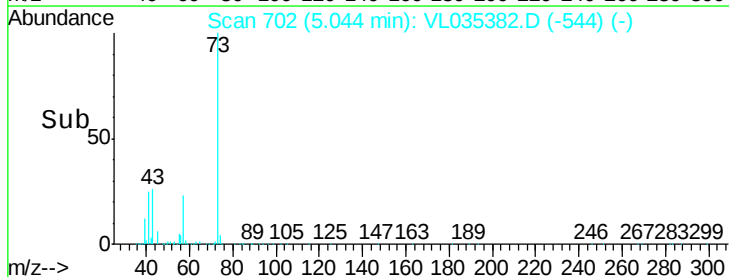
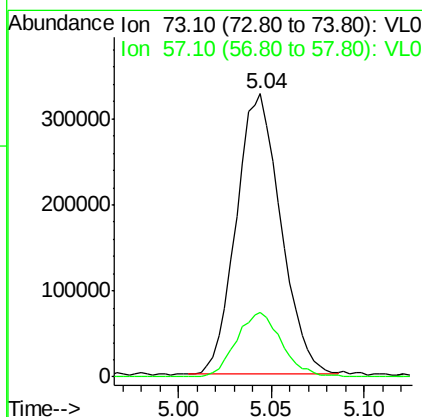
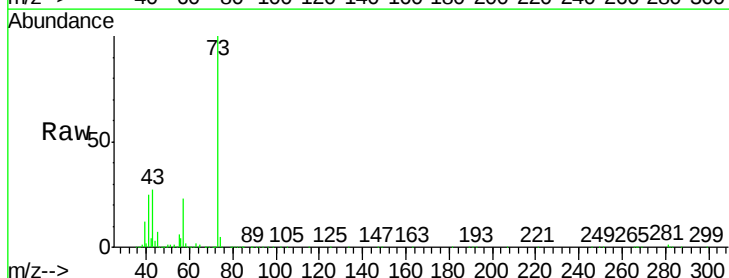
RT: 5.04 min Scan# 702

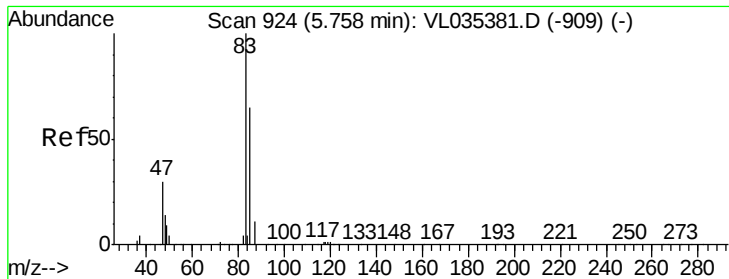
Delta R.T. 0.01 min

Lab File: VL035382.D

Acq: 12 Aug 2020 12:37

Tgt Ion:	73	Resp:	545978
Ion Ratio	Lower	Upper	
73	100		
57	23.6	19.0	28.4





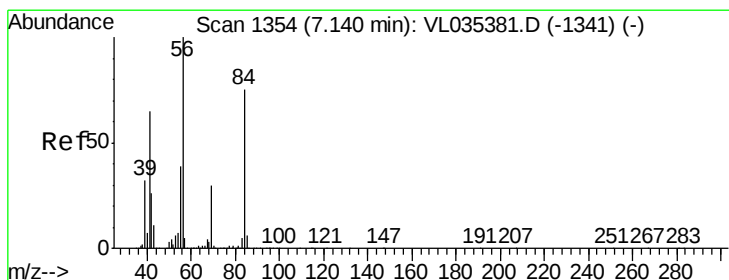
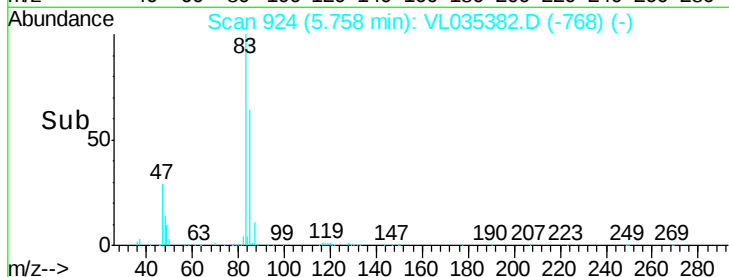
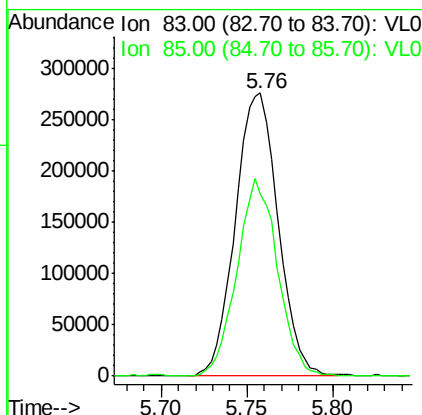
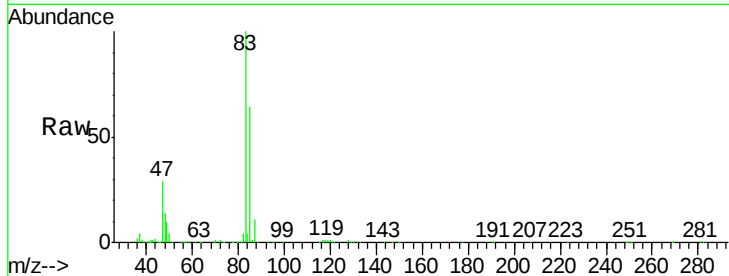
#29
Chloroform
Concen: 2.120 ppbv
RT: 5.76 min Scan# 924
Delta R.T. 0.00 min
Lab File: VL035382.D
Acq: 12 Aug 2020 12:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 83 Resp: 472606
Ion Ratio Lower Upper
83 100
85 64.1 51.7 77.5

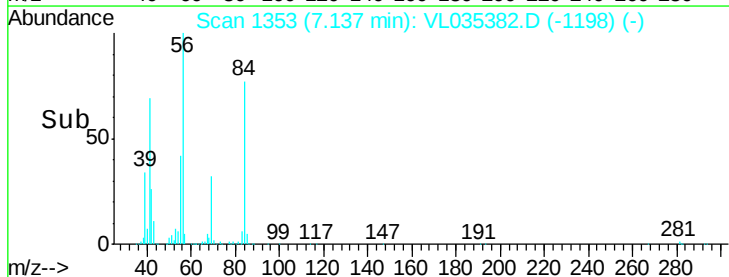
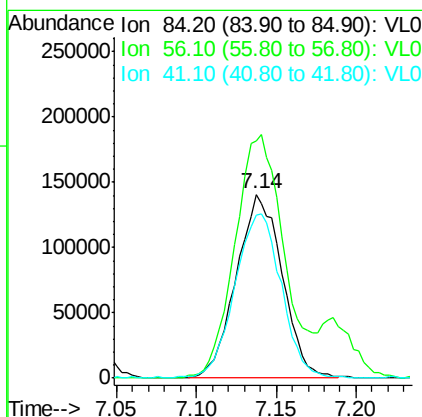
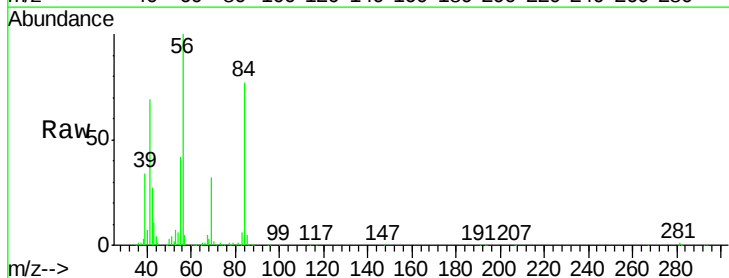
Manual Integrations
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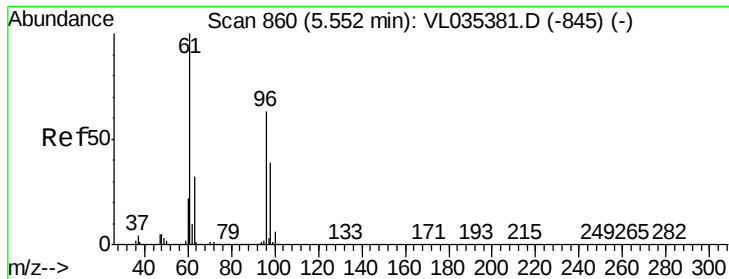
MMDadoda
8/17/2020 5:43:46 PM



#30
Cyclohexane
Concen: 2.800 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. -0.00 min
Lab File: VL035382.D
Acq: 12 Aug 2020 12:37

Tgt Ion: 84 Resp: 274616
Ion Ratio Lower Upper
84 100
56 166.6 115.8 173.6
41 90.2 71.4 107.0





#31

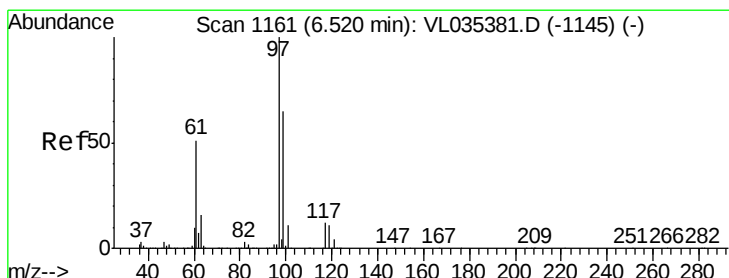
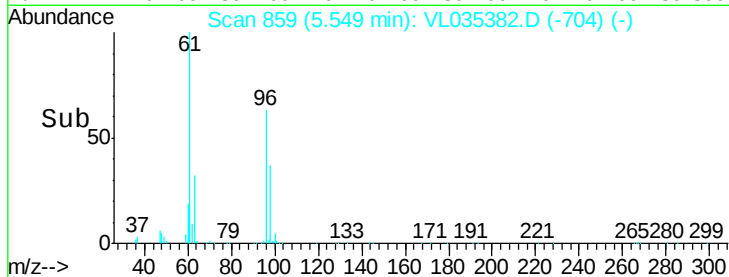
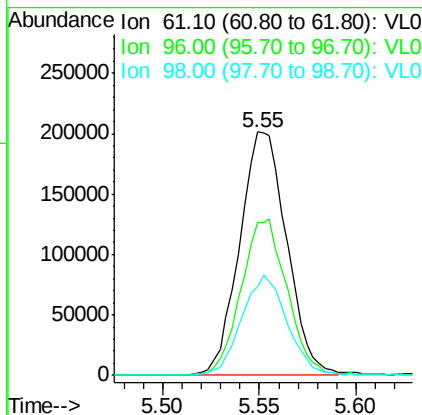
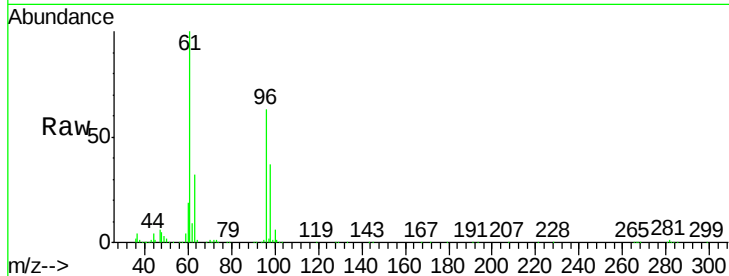
cis-1,2-Dichloroethene
 Concen: 2.968 ppbv
 RT: 5.55 min Scan# 859
 Delta R.T. -0.00 min
 Lab File: VL035382.D
 Acq: 12 Aug 2020 12:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion:	61	Resp:	341229
Ion Ratio	Lower	Upper	
61	100		
96	62.5	50.5	75.7
98	36.3	31.5	47.3

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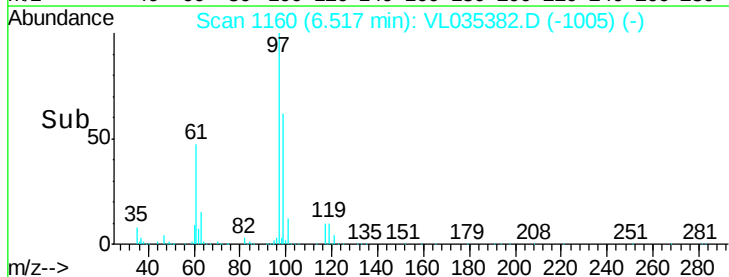
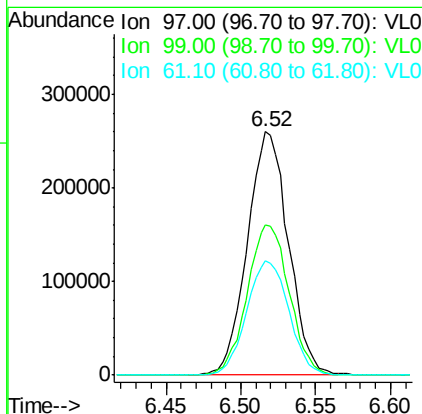
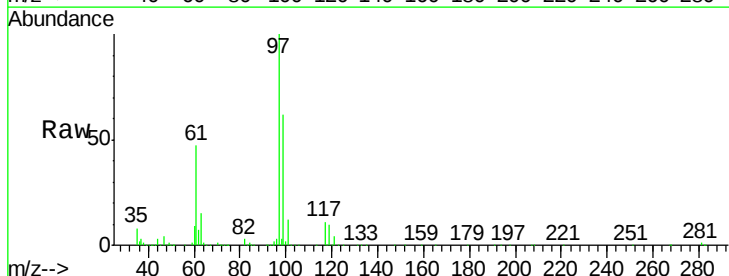
MMDadoda
 8/17/2020 5:43:46 PM

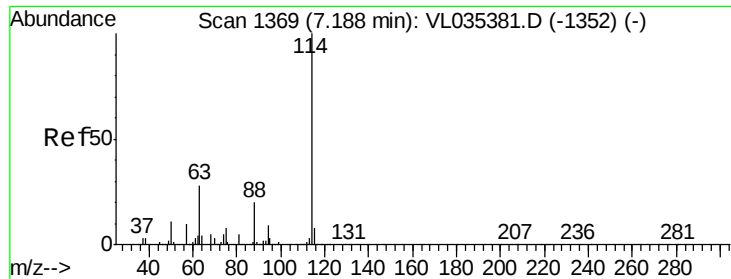


#32

1,1,1-Trichloroethane
 Concen: 2.116 ppbv
 RT: 6.52 min Scan# 1160
 Delta R.T. -0.00 min
 Lab File: VL035382.D
 Acq: 12 Aug 2020 12:37

Tgt Ion:	97	Resp:	495948
Ion Ratio	Lower	Upper	
97	100		
99	63.2	51.8	77.8
61	48.2	39.6	59.4





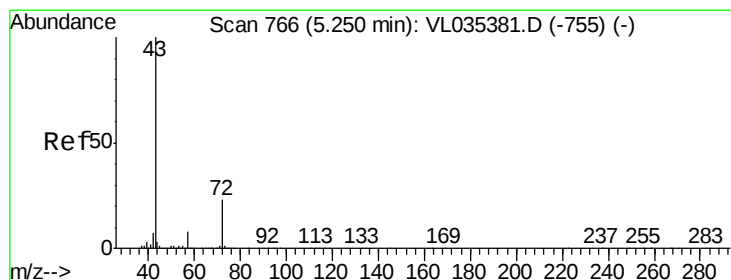
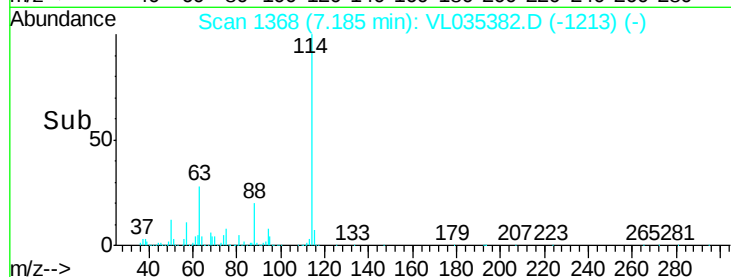
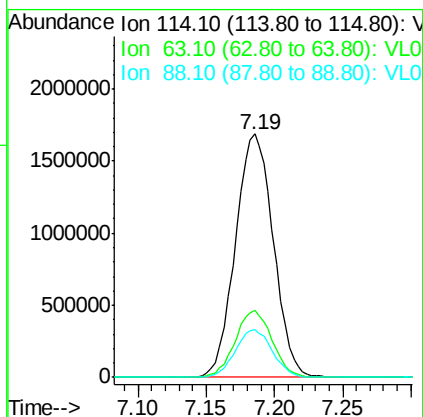
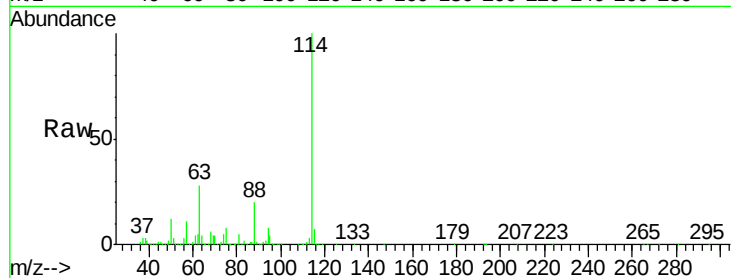
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VL035382.D
 Acq: 12 Aug 2020 12:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.8	21.5	32.3
88	19.2	15.6	23.4

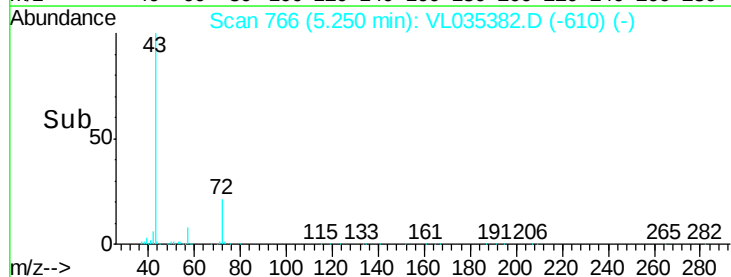
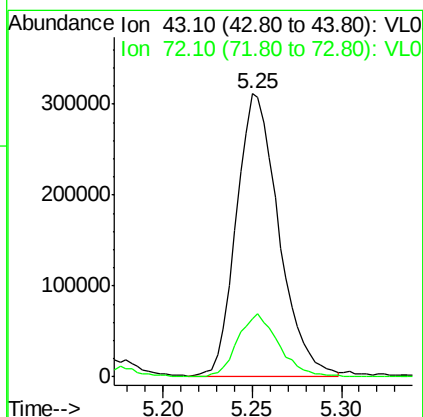
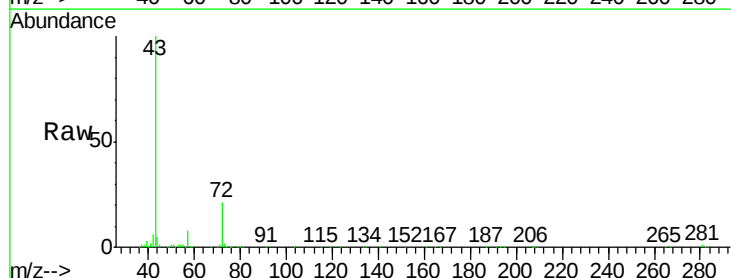
Manual Integrations
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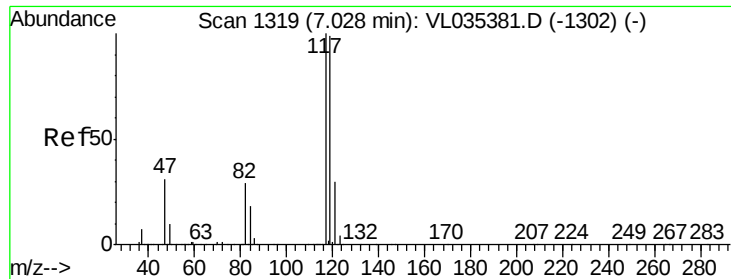
MMDadoda
 8/17/2020 5:43:46 PM



#34
 2-Butanone
 Concen: 3.198 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. 0.00 min
 Lab File: VL035382.D
 Acq: 12 Aug 2020 12:37

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.1	17.7	26.5





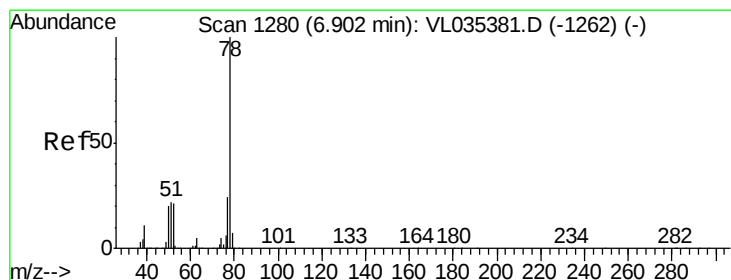
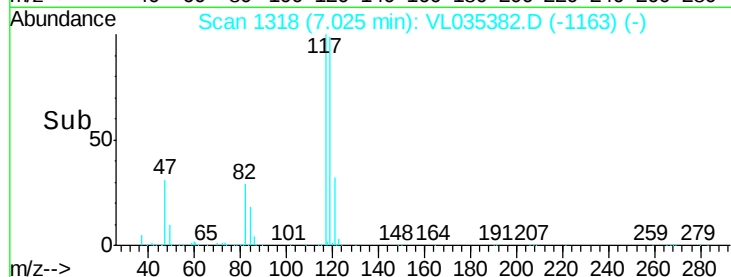
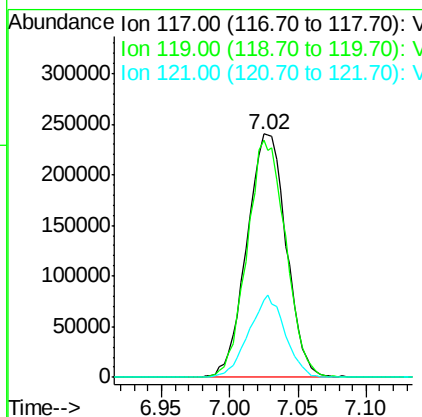
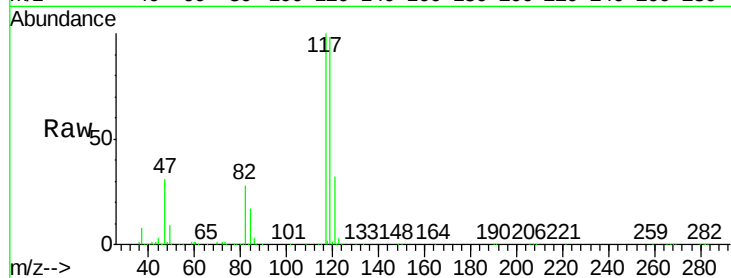
#35
Carbon Tetrachloride
Concen: 2.148 ppbv
RT: 7.02 min Scan# 1318
Delta R.T. -0.00 min
Lab File: VL035382.D
Acq: 12 Aug 2020 12:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.6	79.4	119.0
121	31.6	24.3	36.5

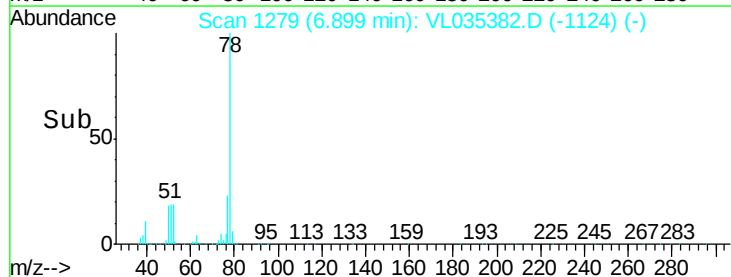
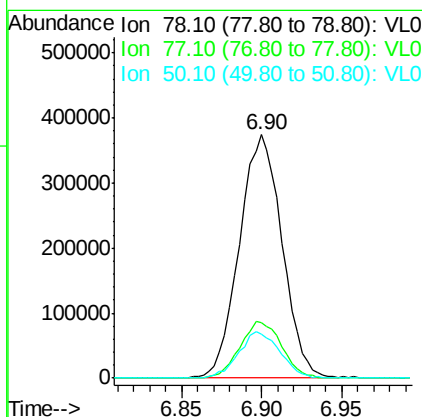
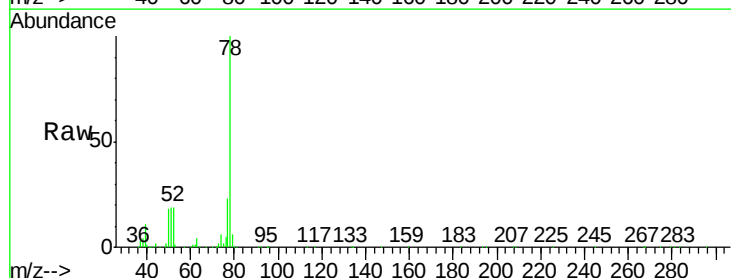
Manual Integrations
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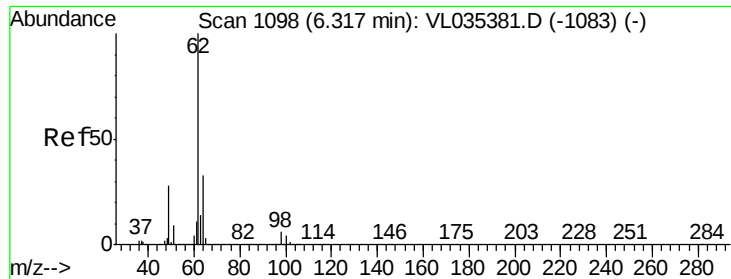
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#36
Benzene
Concen: 3.099 ppbv
RT: 6.90 min Scan# 1279
Delta R.T. -0.00 min
Lab File: VL035382.D
Acq: 12 Aug 2020 12:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.6	19.1	28.7
50	18.3	15.8	23.6





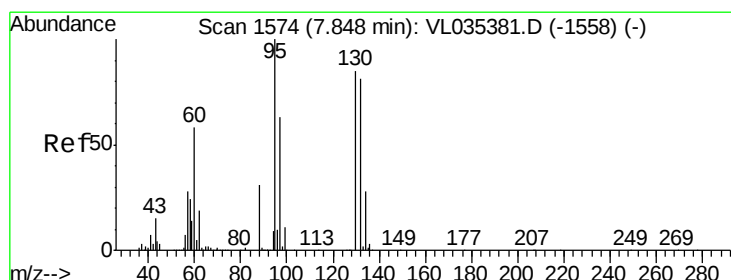
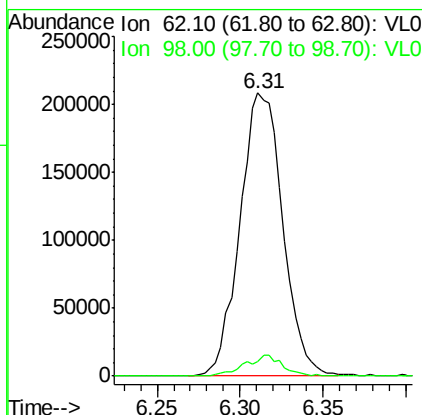
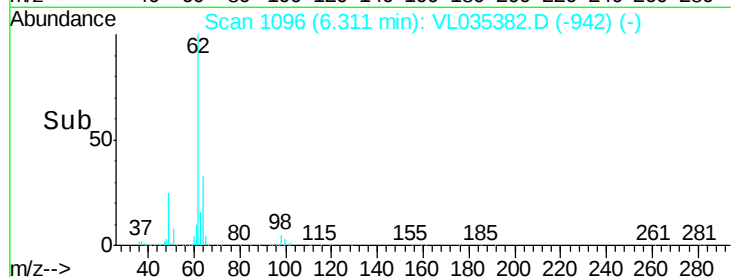
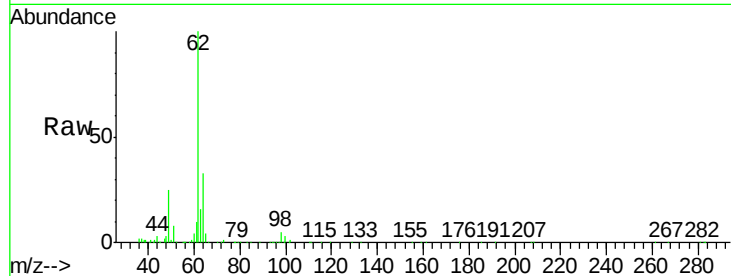
#37
 1,2-Dichloroethane
 Concen: 2.436 ppbv
 RT: 6.31 min Scan# 1096
 Delta R.T. -0.01 min
 Lab File: VL035382.D
 Acq: 12 Aug 2020 12:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
62	100	373858		
98	6.7		5.1	7.7

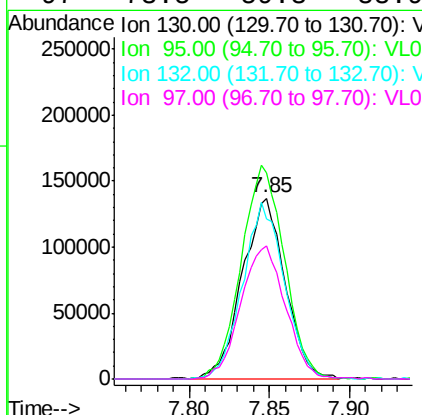
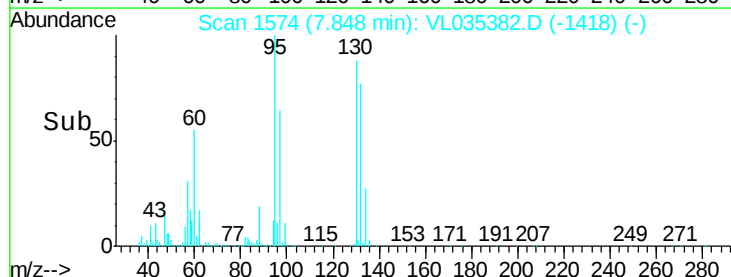
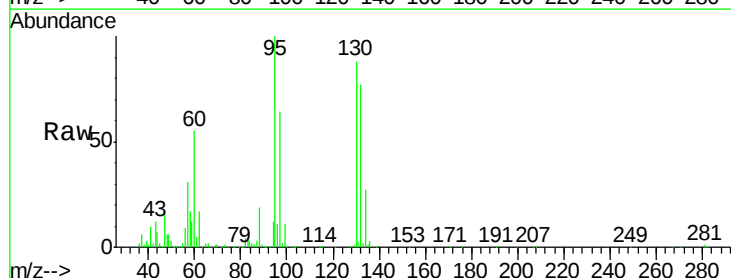
Manual Integrations
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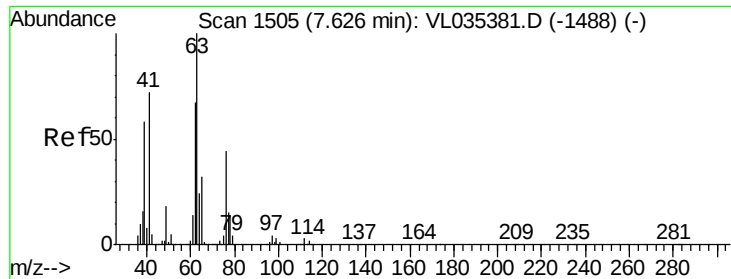
MMDadoda
 8/17/2020 5:43:46 PM



#38
 Trichloroethene
 Concen: 2.482 ppbv
 RT: 7.85 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VL035382.D
 Acq: 12 Aug 2020 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	251456		
95	114.1		94.2	141.4
132	88.2		76.6	114.8
97	73.5		59.3	88.9





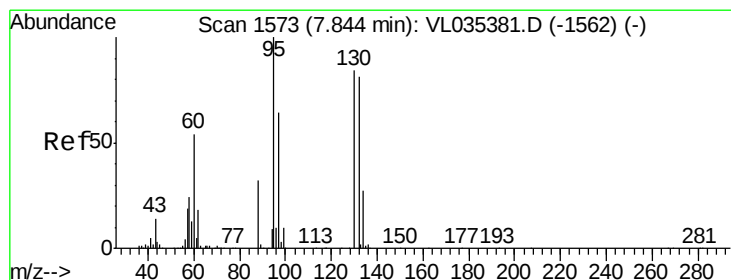
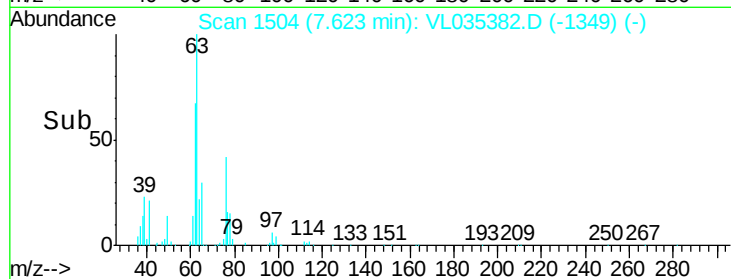
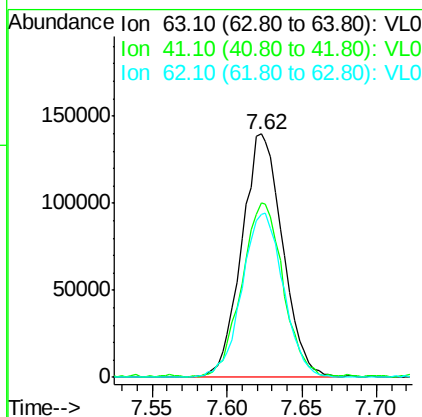
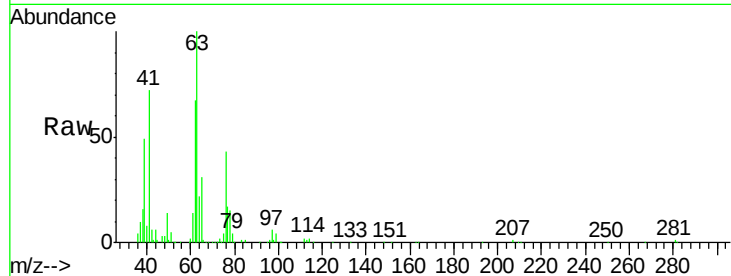
#39
 1,2-Dichloropropane
 Concen: 2.989 ppbv
 RT: 7.62 min Scan# 1504
 Delta R.T. -0.00 min
 Lab File: VL035382.D
 Acq: 12 Aug 2020 12:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
63	100	265799		
41	71.2		57.4	86.2
62	66.8		53.6	80.4

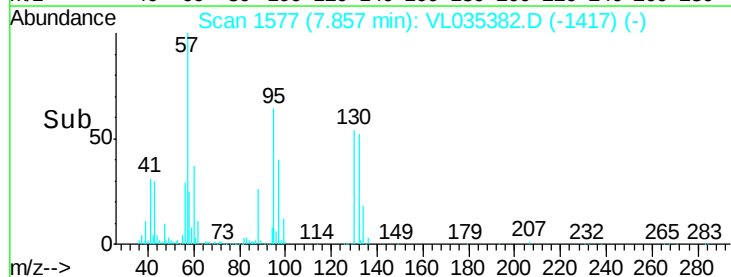
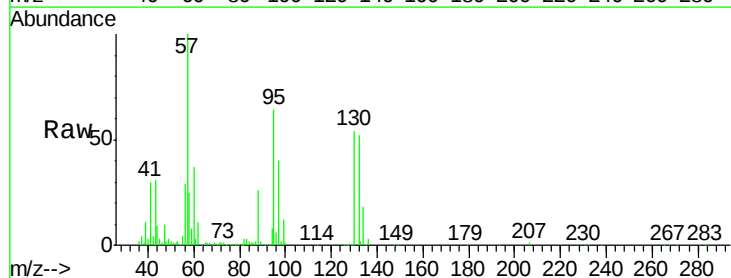
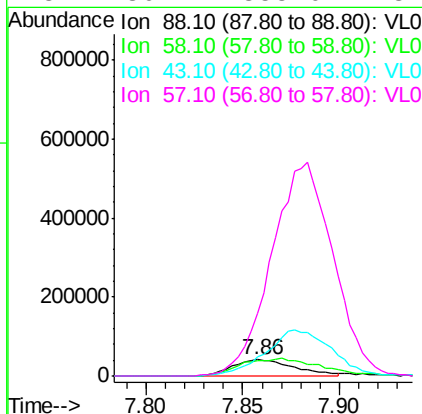
Manual Integrations
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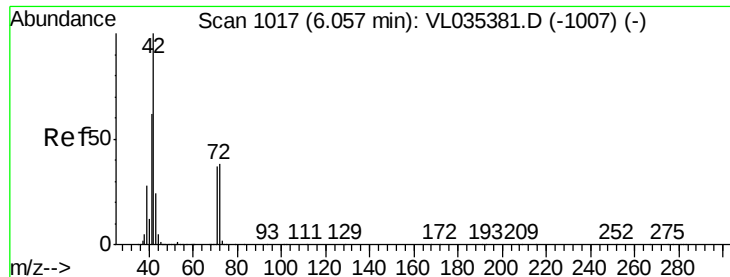
MMDadoda
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#40
 1,4-Dioxane
 Concen: 2.425 ppbv
 RT: 7.86 min Scan# 1577
 Delta R.T. 0.01 min
 Lab File: VL035382.D
 Acq: 12 Aug 2020 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	92339		
58	144.6		105.0	157.6
43	301.4		204.2	306.2
57	1304.1		855.0	1282.4#





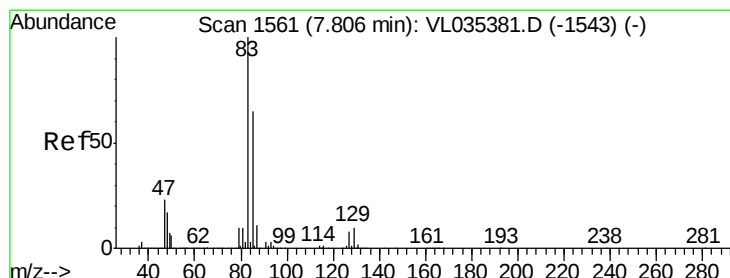
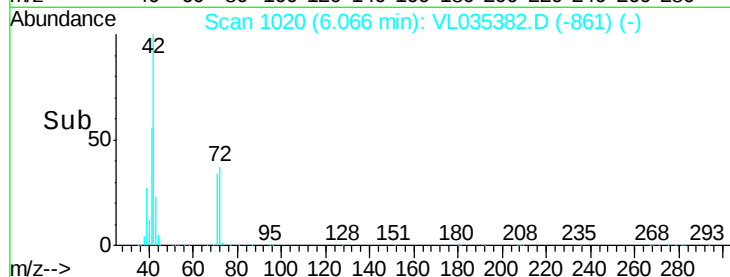
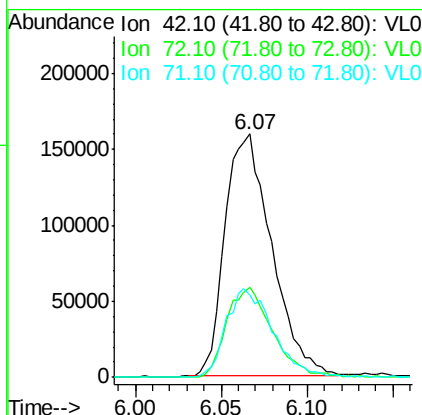
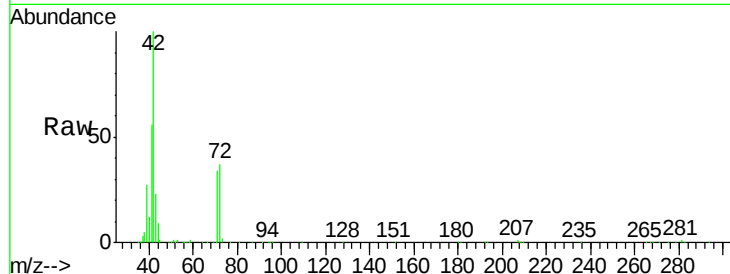
#41
Tetrahydrofuran
Concen: 3.818 ppbv
RT: 6.07 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VL035382.D
Acq: 12 Aug 2020 12:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.2	30.2	45.2
71	37.2	28.6	42.8

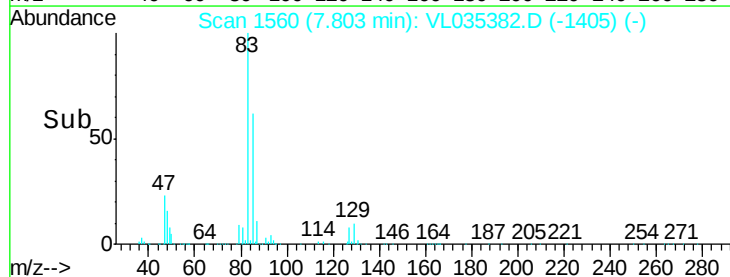
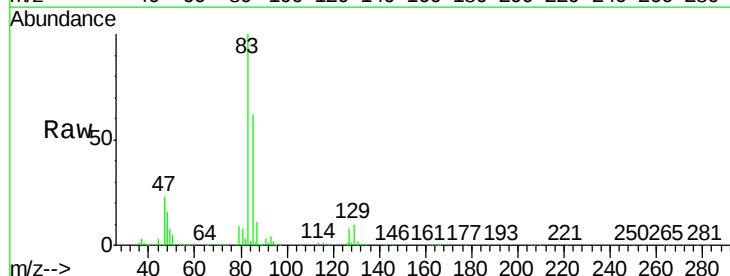
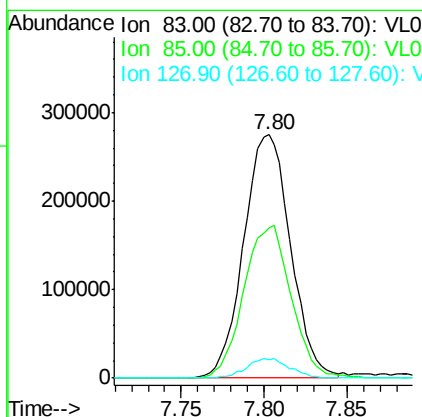
Manual Integrations
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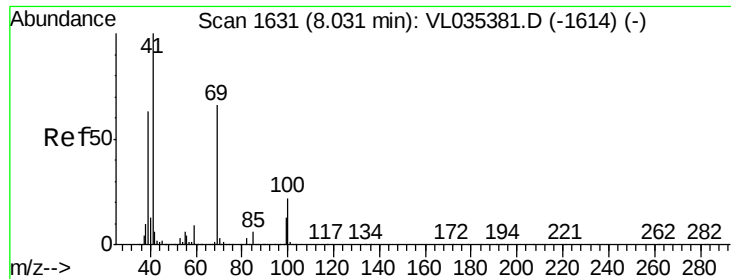
MMDadoda
8/17/2020 5:43:46 PM



#42
Bromodichloromethane
Concen: 2.629 ppbv
RT: 7.80 min Scan# 1560
Delta R.T. -0.00 min
Lab File: VL035382.D
Acq: 12 Aug 2020 12:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.8	52.2	78.4
127	7.8	6.3	9.5





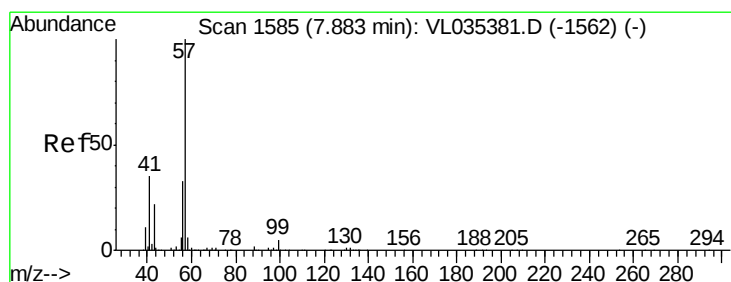
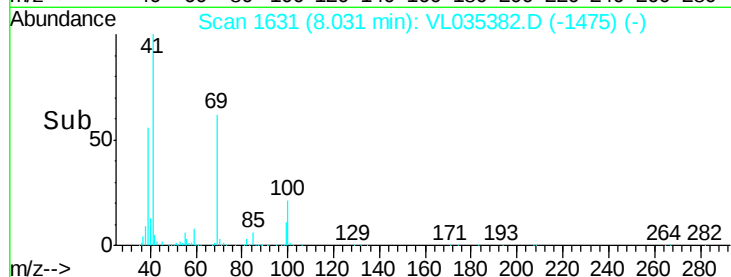
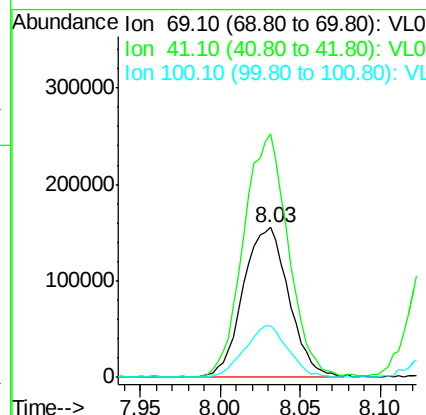
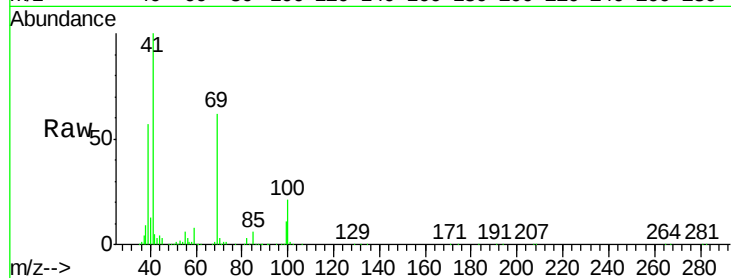
#43
Methvl Methacrilate
Concen: 3.286 ppbv
RT: 8.03 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VL035382.D
Acq: 12 Aug 2020 12:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	157.7	123.4	185.2	
100	32.6	26.7	40.1	

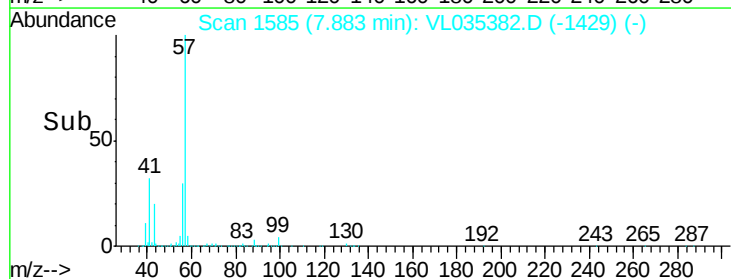
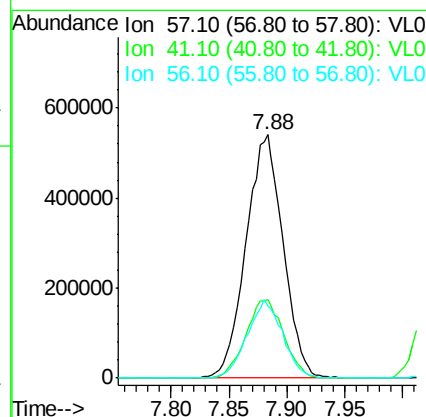
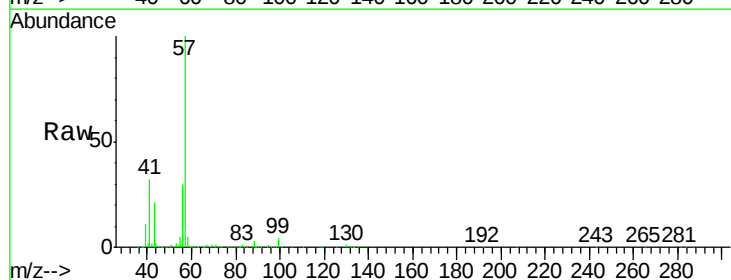
Manual Integrations
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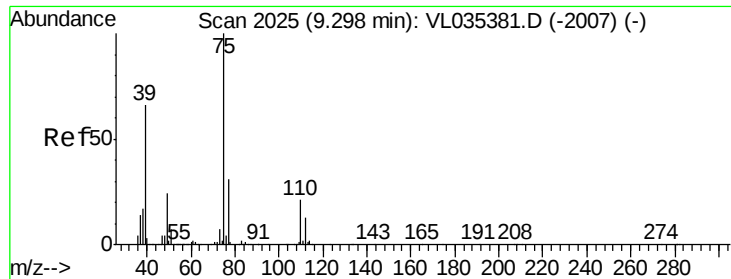
MMDadoda
8/17/2020 5:43:46 PM



#44
2,2,4-Trimethylpentane
Concen: 3.085 ppbv
RT: 7.88 min Scan# 1585
Delta R.T. 0.00 min
Lab File: VL035382.D
Acq: 12 Aug 2020 12:37

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	32.7	26.9	40.3	
56	30.7	25.6	38.4	





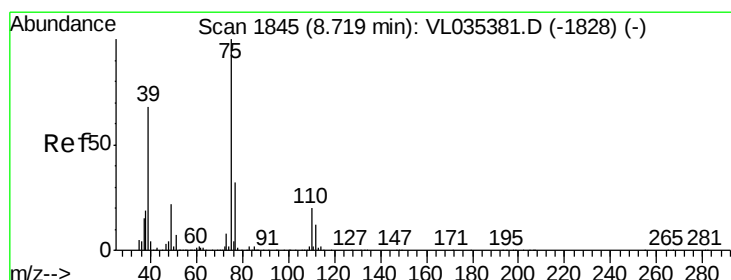
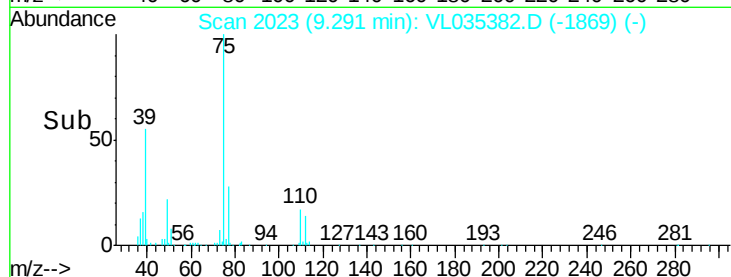
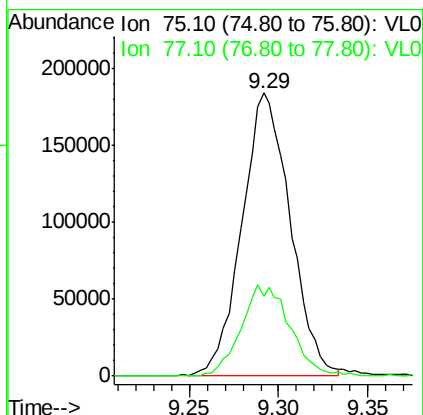
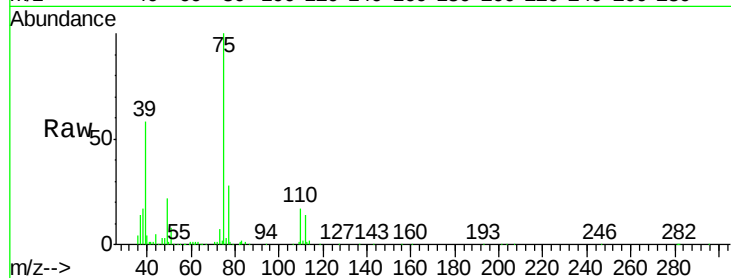
#45
t-1,3-Dichloropropene
Concen: 3.605 ppbv
RT: 9.29 min Scan# 2023
Delta R.T. -0.01 min
Lab File: VL035382.D
Acq: 12 Aug 2020 12:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
75	100		
77	28.2	25.2	37.8

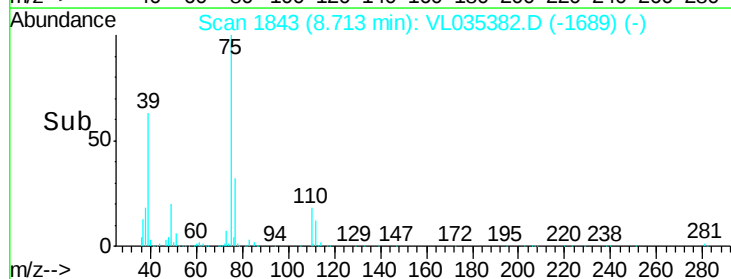
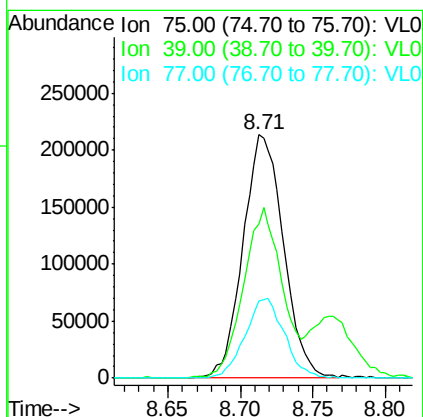
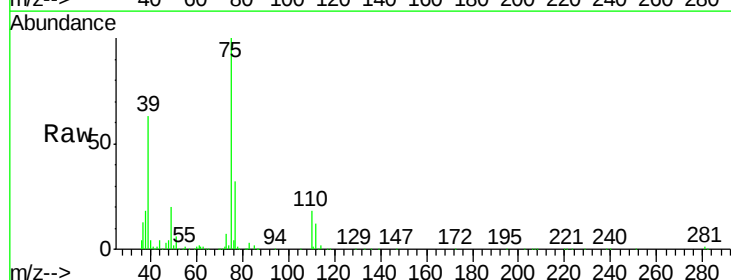
Manual Integrations
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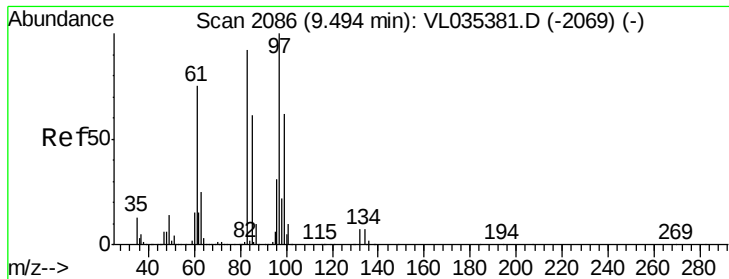
MMDadoda
8/17/2020 5:43:46 PM



#46
cis-1,3-Dichloropropene
Concen: 3.585 ppbv
RT: 8.71 min Scan# 1843
Delta R.T. -0.01 min
Lab File: VL035382.D
Acq: 12 Aug 2020 12:37

Tgt Ion	Ratio	Lower	Upper
75	100		
39	63.1	54.2	81.2
77	31.6	25.7	38.5





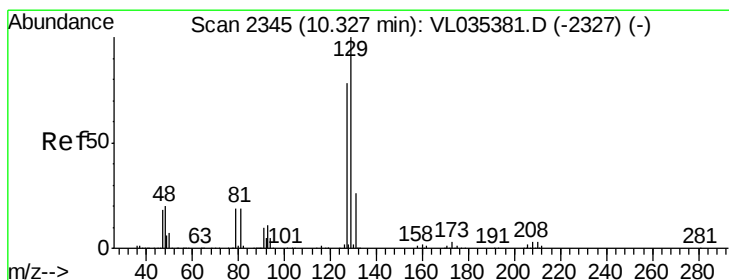
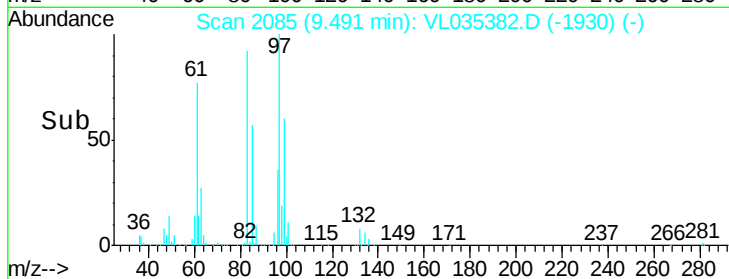
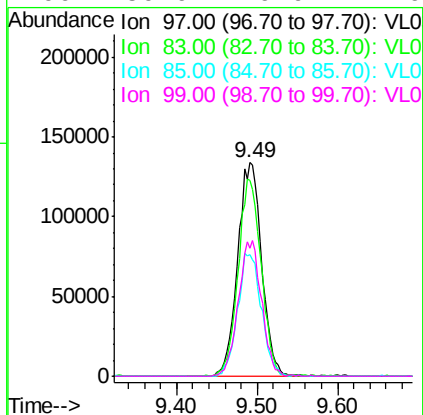
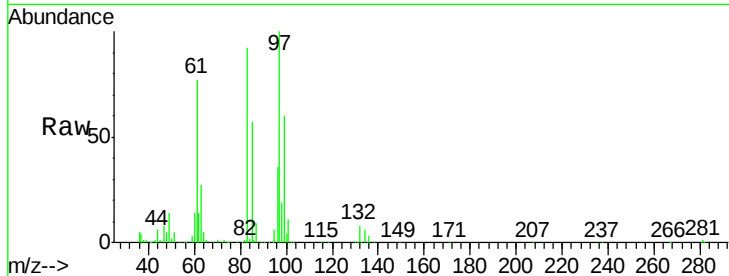
#47
 1,1,2-Trichloroethane
 Concen: 2.621 ppbv m
 RT: 9.49 min Scan# 2085
 Delta R.T. -0.00 min
 Lab File: VL035382.D
 Acq: 12 Aug 2020 12:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		280193		
83	91.6	73.9	110.9		
85	57.2	49.0	73.6		
99	59.9	49.9	74.9		

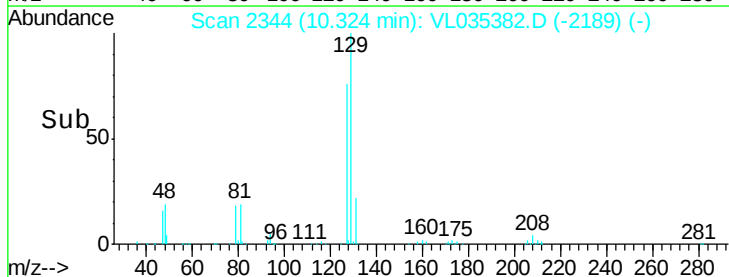
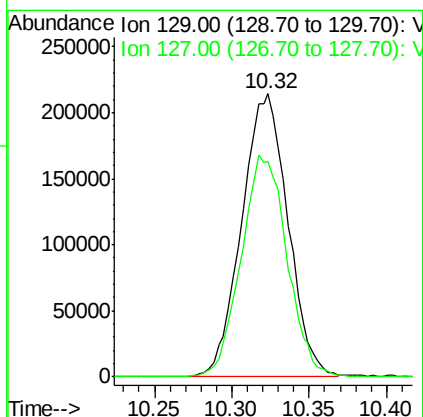
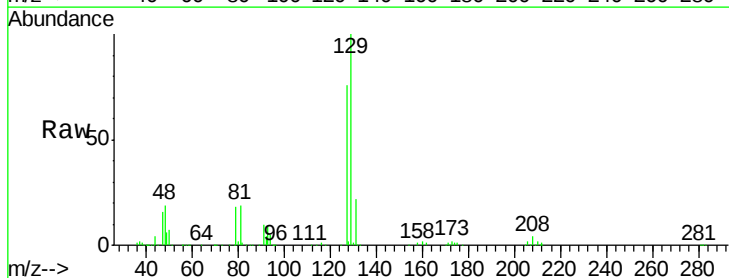
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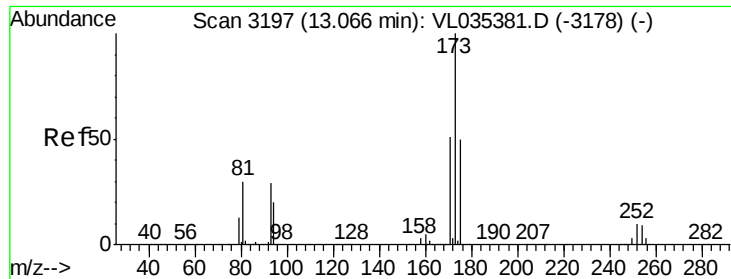
MMDadoda
 8/17/2020 5:43:46 PM



#48
 Dibromochloromethane
 Concen: 2.540 ppbv
 RT: 10.32 min Scan# 2344
 Delta R.T. -0.00 min
 Lab File: VL035382.D
 Acq: 12 Aug 2020 12:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		444899		
127	77.9	39.3	117.8		





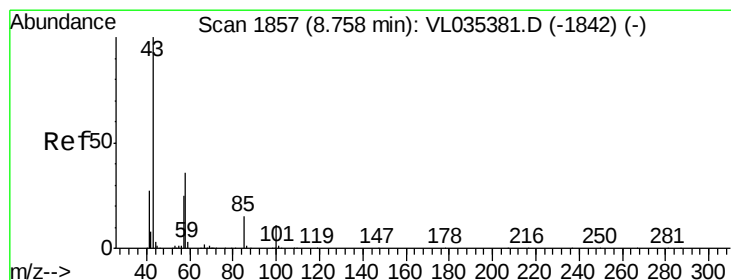
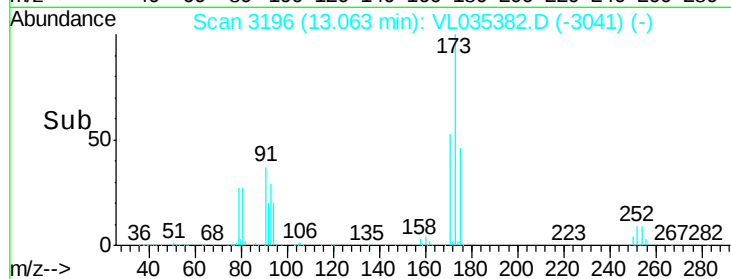
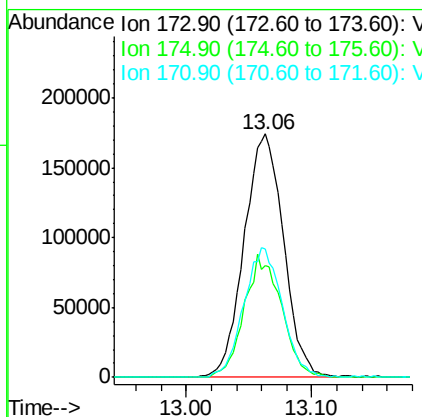
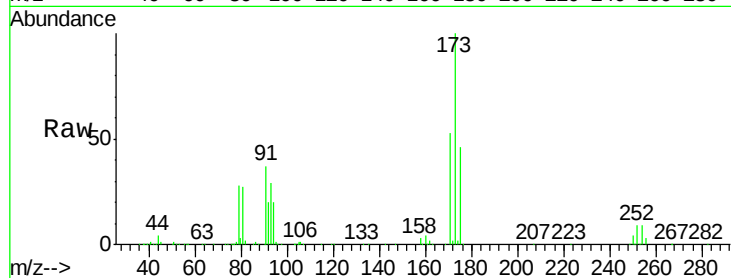
#49
Bromoform
Concen: 2.386 ppbv
RT: 13.06 min Scan# 3196
Delta R.T. -0.00 min
Lab File: VL035382.D
Acq: 12 Aug 2020 12:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	39.9	59.9
171	51.9	41.8	62.8

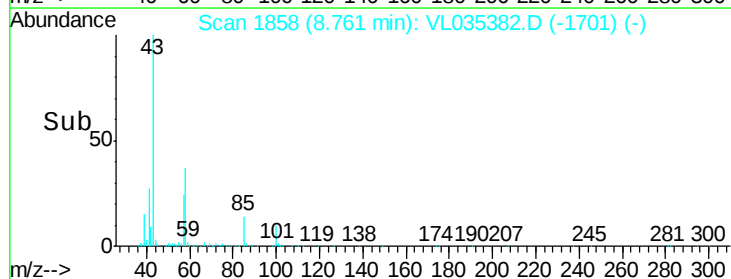
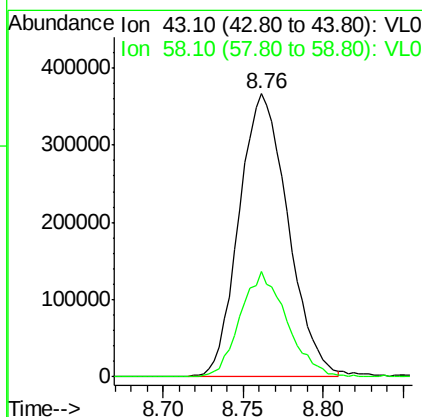
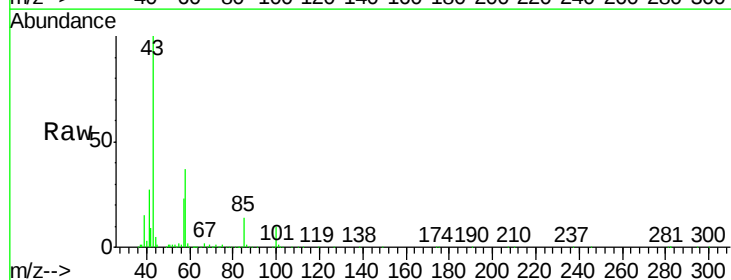
Manual Integrations
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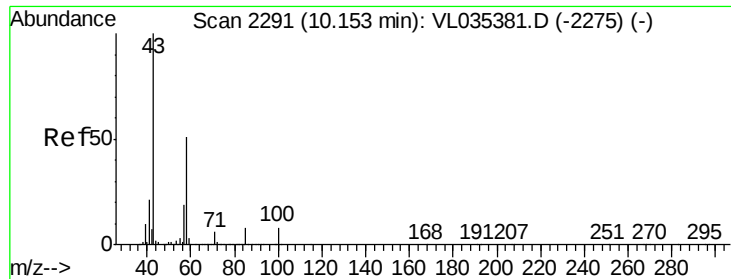
MMDadoda
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#50
4-Methyl-2-Pentanone
Concen: 3.117 ppbv
RT: 8.76 min Scan# 1858
Delta R.T. 0.00 min
Lab File: VL035382.D
Acq: 12 Aug 2020 12:37

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.9	29.0	43.6





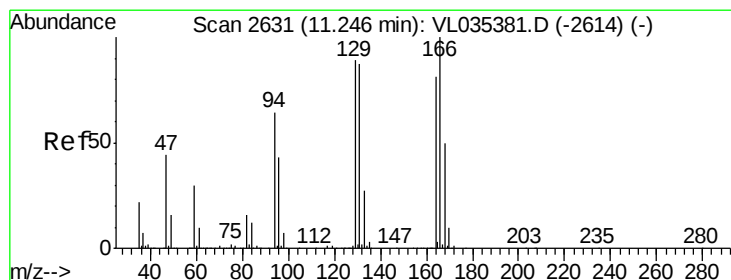
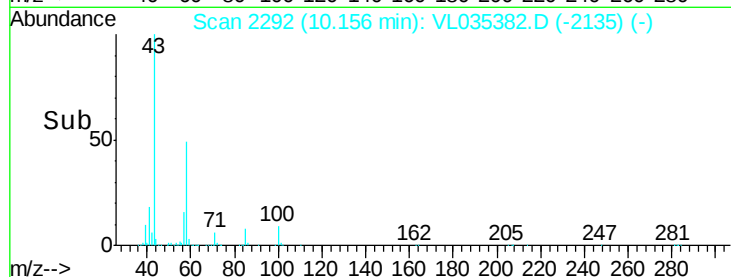
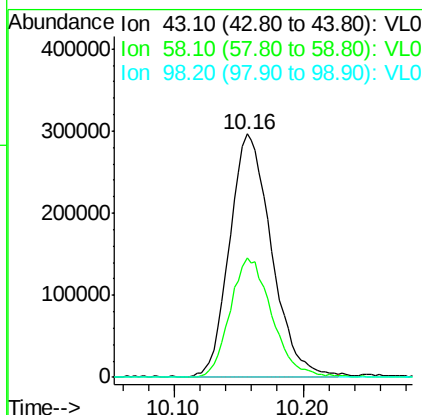
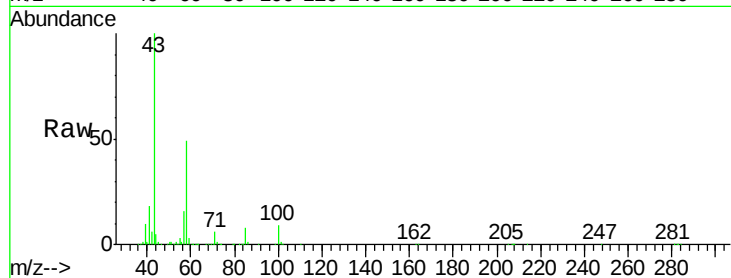
#51
2-Hexanone
Concen: 3.474 ppbv
RT: 10.16 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VL035382.D
Acq: 12 Aug 2020 12:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.4	39.5	59.3
98	0.1	0.1	0.1

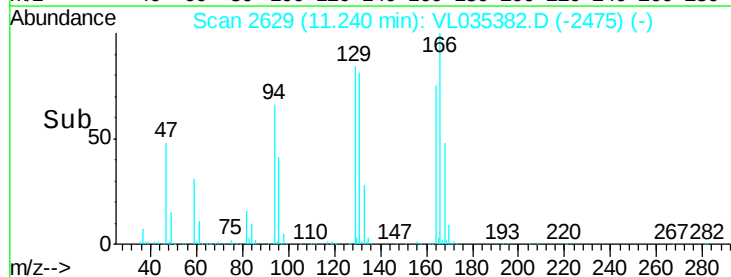
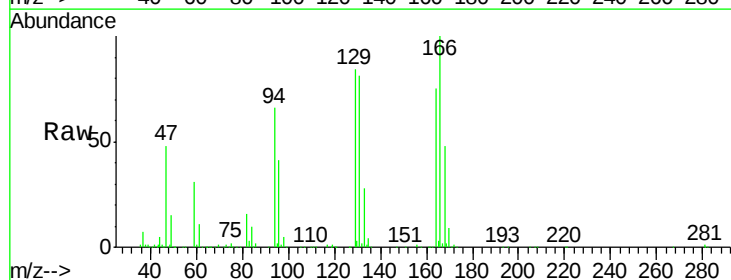
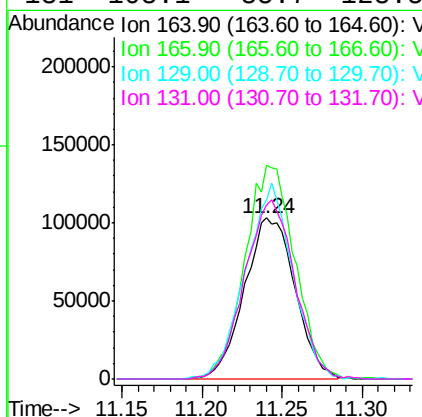
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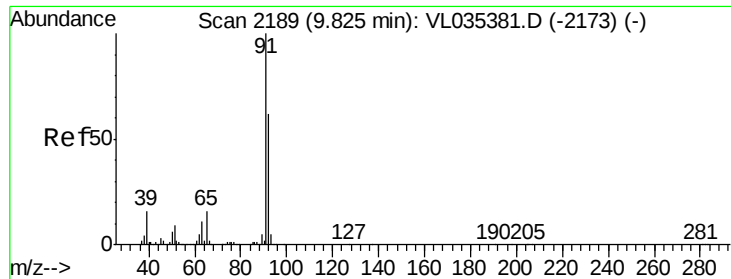
MMDadoda
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#52
Tetrachloroethene
Concen: 2.582 ppbv
RT: 11.24 min Scan# 2629
Delta R.T. -0.01 min
Lab File: VL035382.D
Acq: 12 Aug 2020 12:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.7	98.2	147.2
129	110.4	87.3	130.9
131	108.1	85.7	128.5





#53

Toluene

Concen: 3.441 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. -0.00 min

Lab File: VL035382.D

Acq: 12 Aug 2020 12:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 91 Resp: 822170

Ion Ratio Lower Upper

91 100

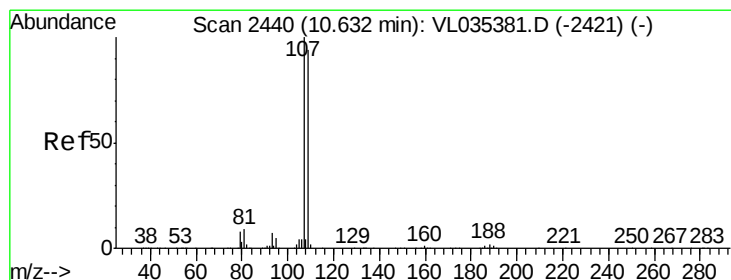
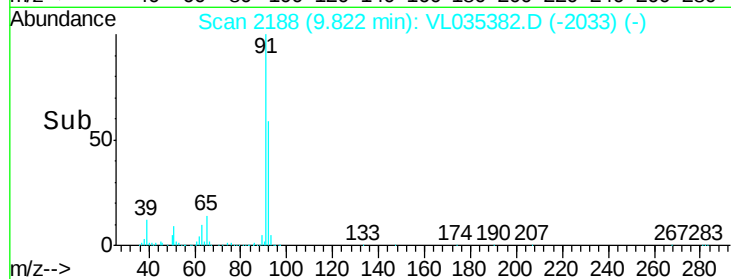
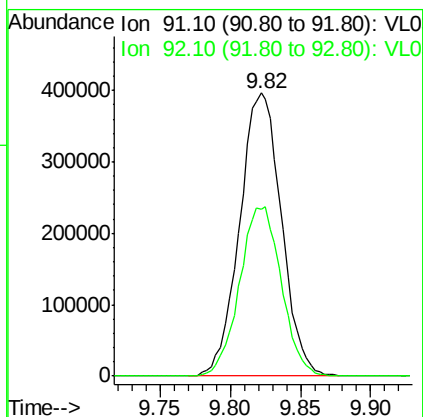
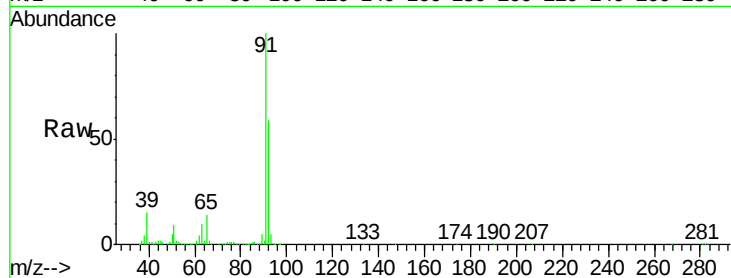
92 59.9 49.1 73.7

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 2.847 ppbv

RT: 10.63 min Scan# 2439

Delta R.T. -0.00 min

Lab File: VL035382.D

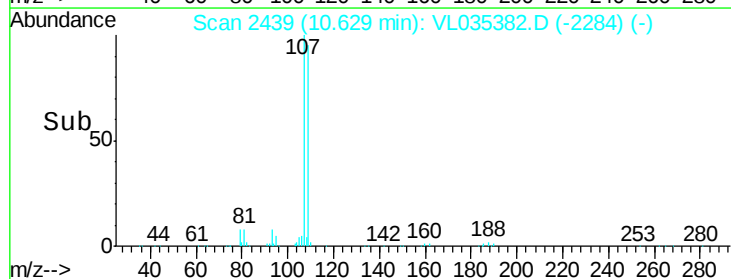
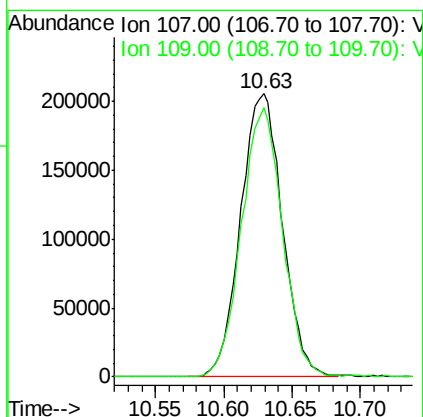
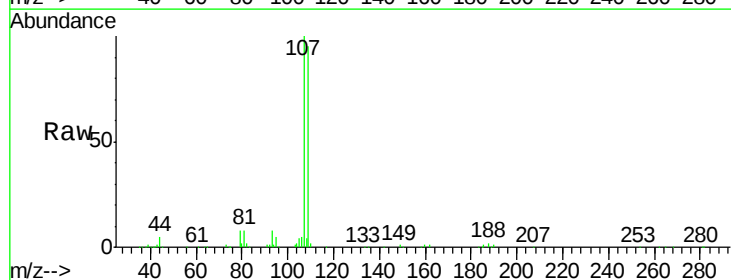
Acq: 12 Aug 2020 12:37

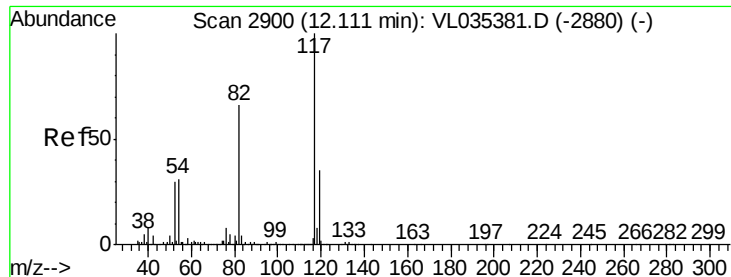
Tgt Ion: 107 Resp: 436701

Ion Ratio Lower Upper

107 100

109 95.3 75.2 112.8





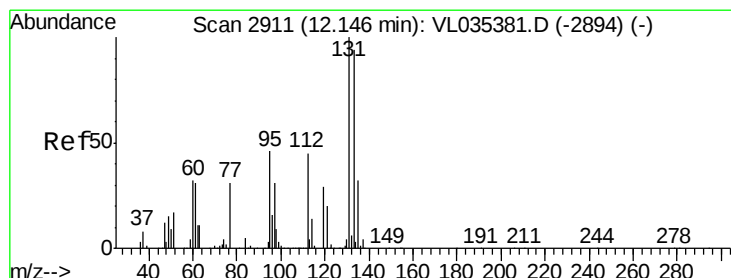
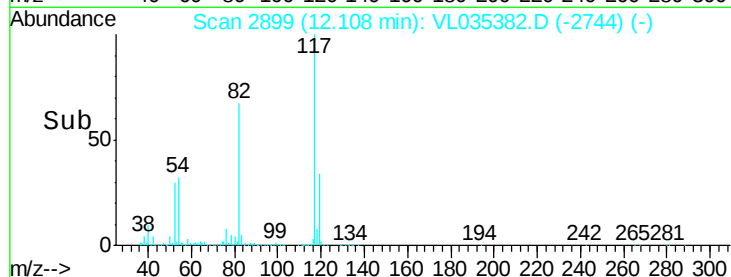
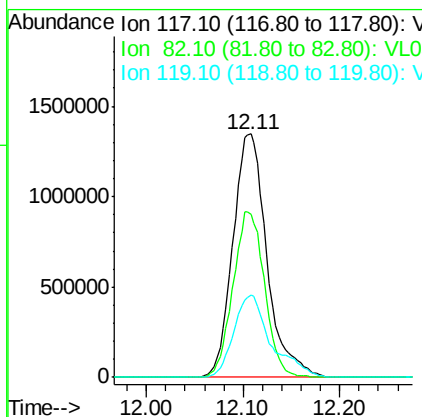
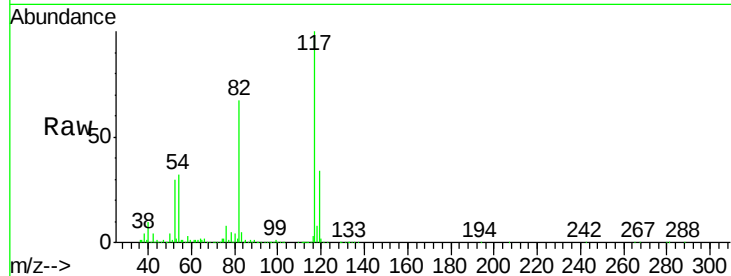
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VL035382.D
Acq: 12 Aug 2020 12:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.3	53.0	79.6
119	37.2	25.7	38.5

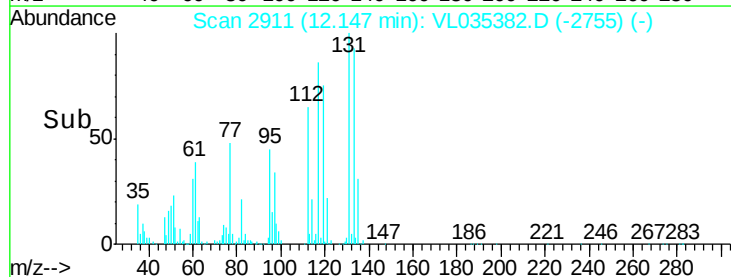
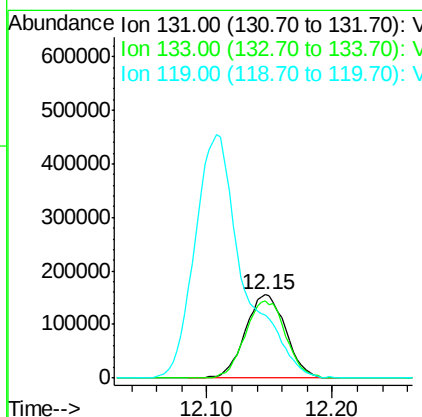
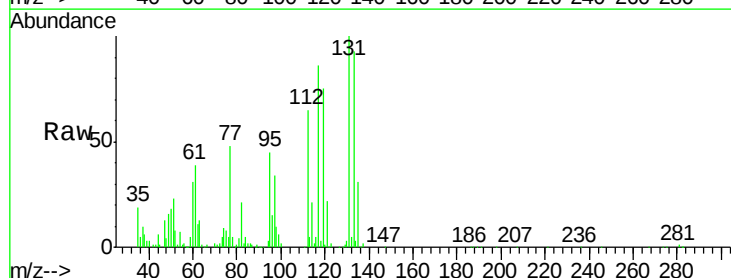
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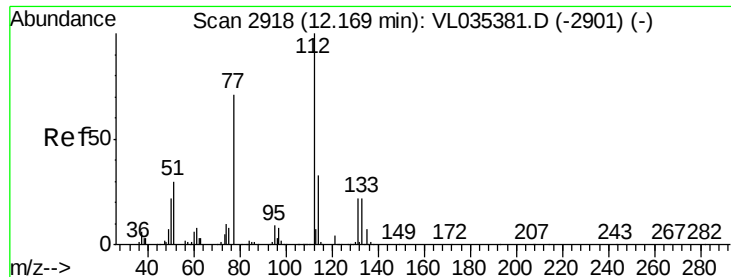
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#56
1,1,1,2-Tetrachloroethane
Concen: 2.250 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. 0.00 min
Lab File: VL035382.D
Acq: 12 Aug 2020 12:37

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.5	76.1	114.1
119	350.4	47.0	70.4#





#57

Chlorobenzene

Concen: 2.477 ppbv

RT: 12.17 min Scan# 2918

Delta R.T. 0.00 min

Lab File: VL035382.D

Acq: 12 Aug 2020 12:37

Instrument :

MSVOA_L

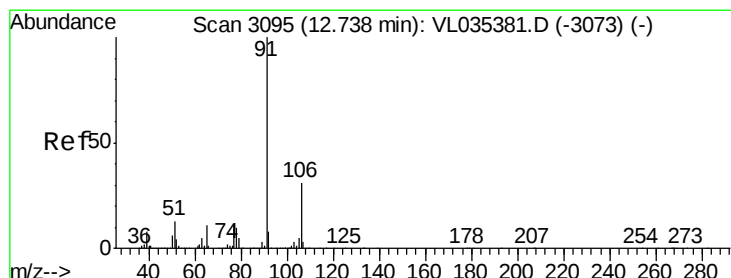
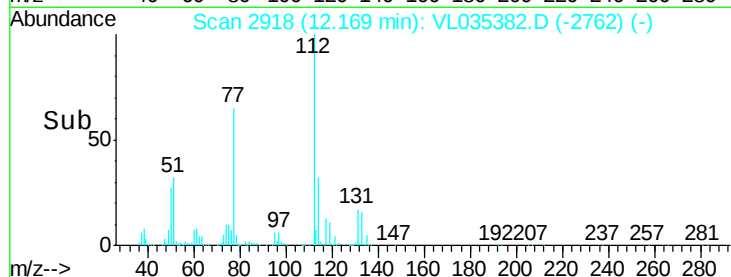
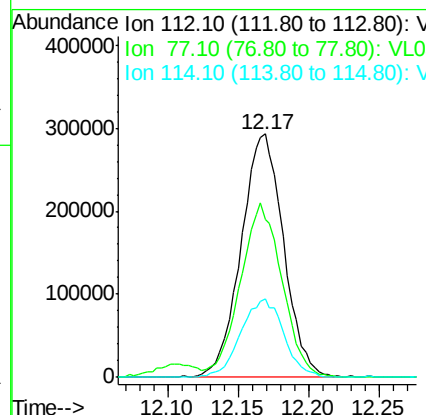
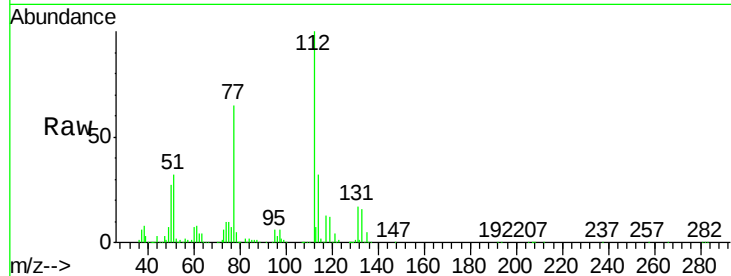
ClientSampleId :

VSTDIC002

Tot Ion:	112	Resp:	614098
Ion Ratio	Lower	Upper	
112	100		
77	64.5	57.6	86.4
114	32.1	30.0	36.6

Manual Integrations
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#58

Ethyl Benzene

Concen: 3.289 ppbv

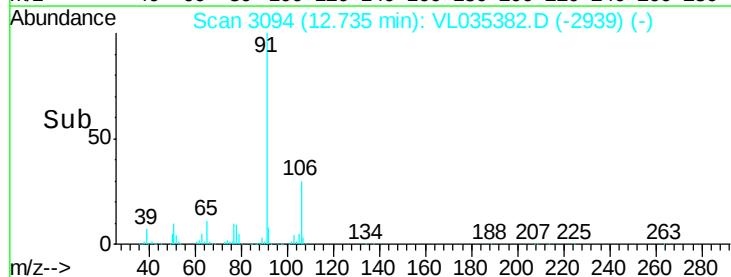
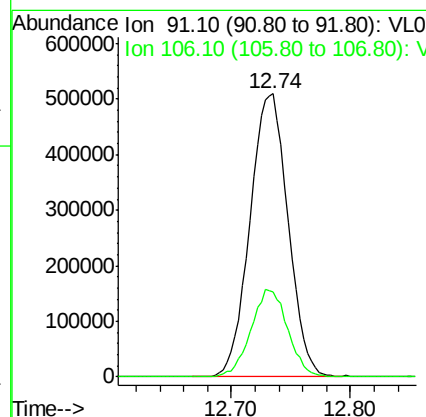
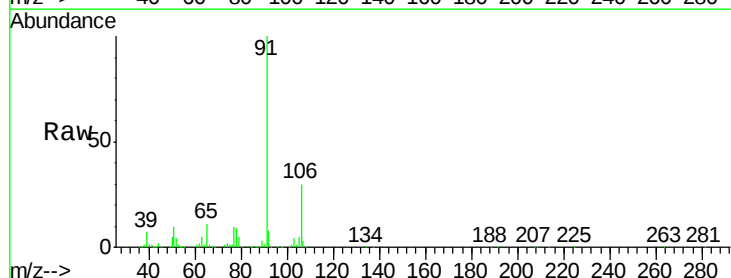
RT: 12.74 min Scan# 3094

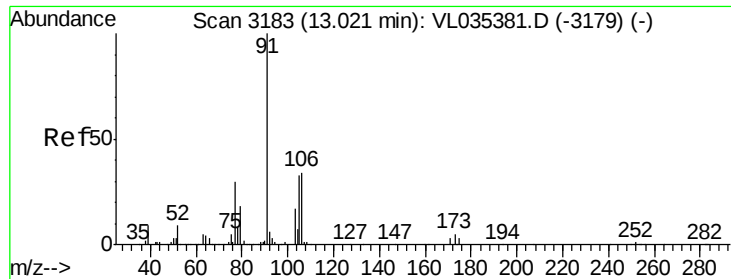
Delta R.T. -0.00 min

Lab File: VL035382.D

Acq: 12 Aug 2020 12:37

Tgt Ion:	91	Resp:	1126882
Ion Ratio	Lower	Upper	
91	100		
106	29.9	25.1	37.7





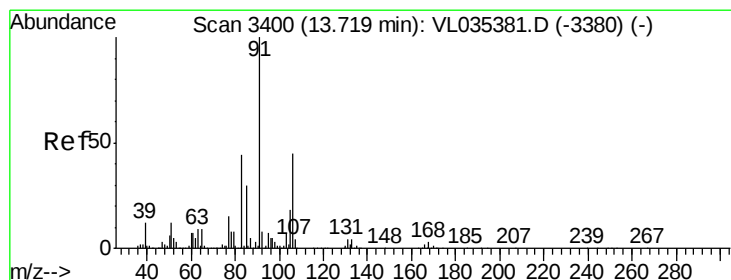
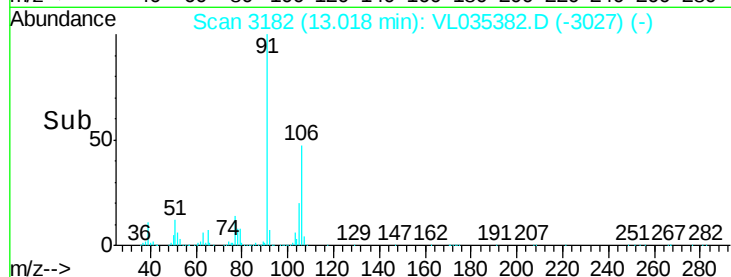
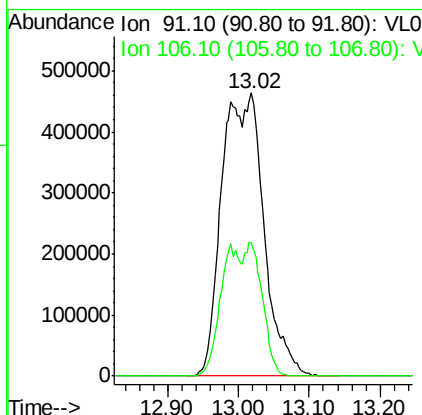
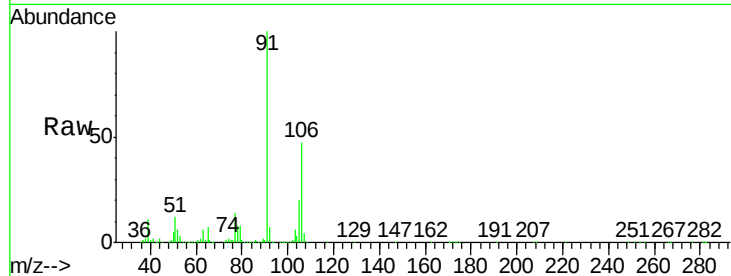
#59
m/p-Xylene
Concen: 6.020 ppbv m
RT: 13.02 min Scan# 3182
Delta R.T. -0.00 min
Lab File: VL035382.D
Acq: 12 Aug 2020 12:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 91 Resp: 1920370
Ion Ratio Lower Upper
91 100
106 43.7 36.7 55.1

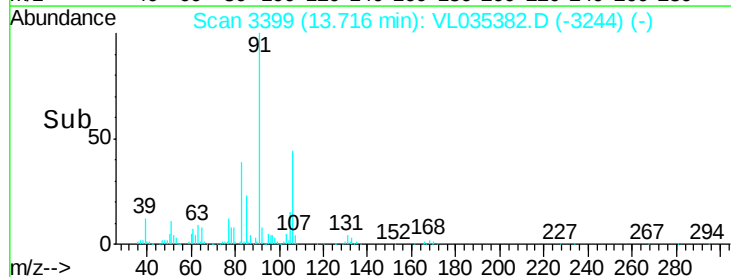
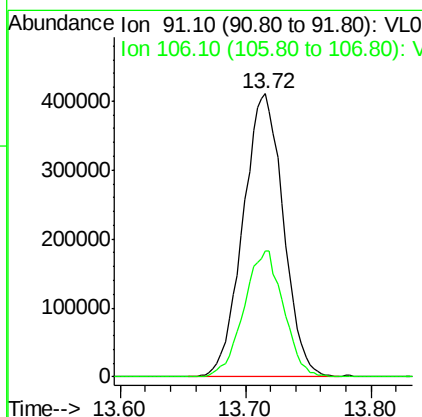
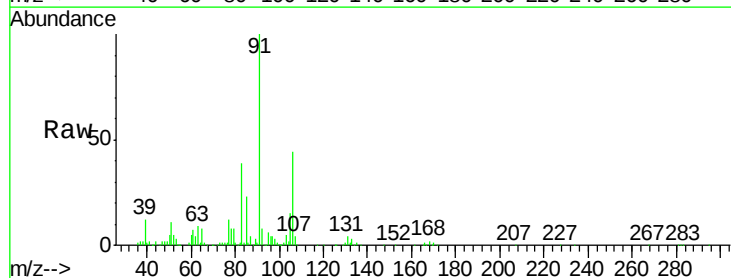
Manual Integrations
APPROVED

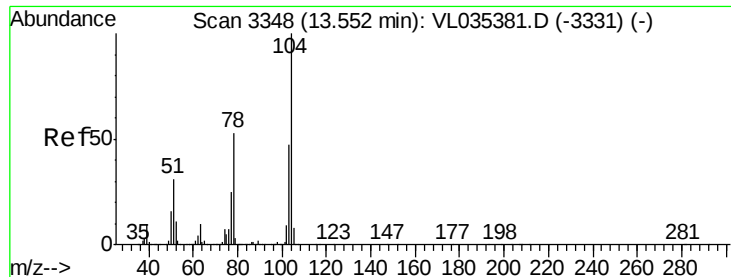
MMDadoda
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#60
o-Xylene
Concen: 2.896 ppbv
RT: 13.72 min Scan# 3399
Delta R.T. -0.00 min
Lab File: VL035382.D
Acq: 12 Aug 2020 12:37

Tgt Ion: 91 Resp: 916891
Ion Ratio Lower Upper
91 100
106 43.9 22.2 66.6





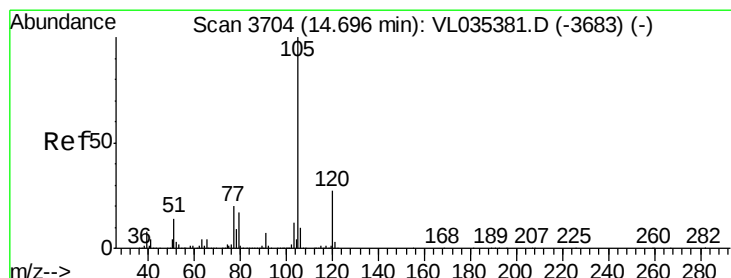
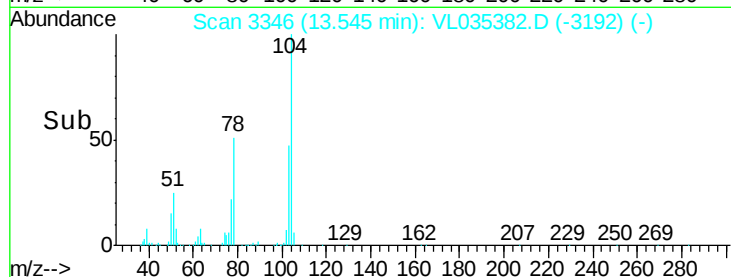
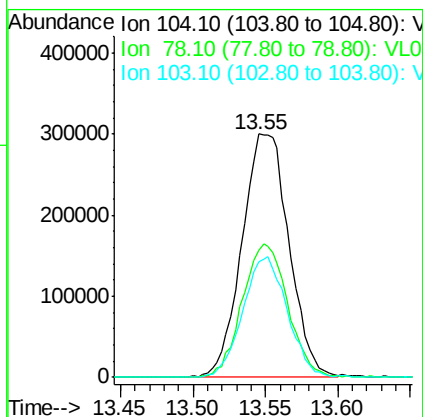
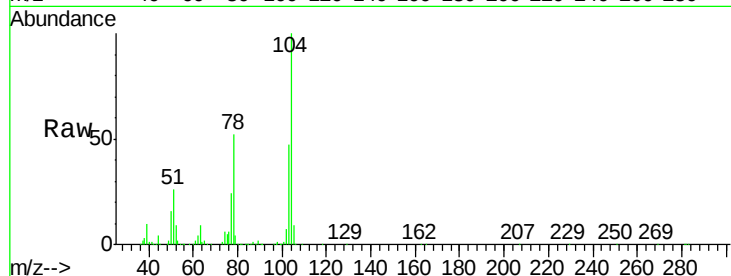
#61
Stvrene
Concen: 3.492 ppbv
RT: 13.55 min Scan# 3346
Delta R.T. -0.01 min
Lab File: VL035382.D
Acq: 12 Aug 2020 12:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion:104	Resp:	675049
Ion Ratio	Lower	Upper
104 100		
78 53.4	43.0	64.4
103 47.1	37.9	56.9

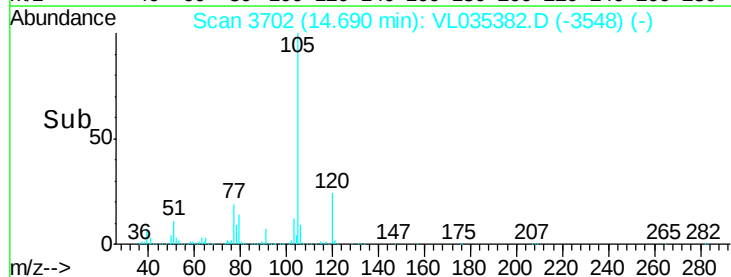
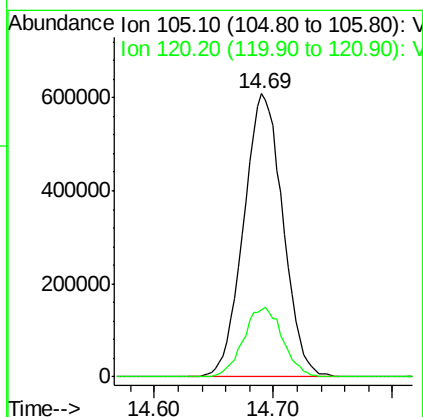
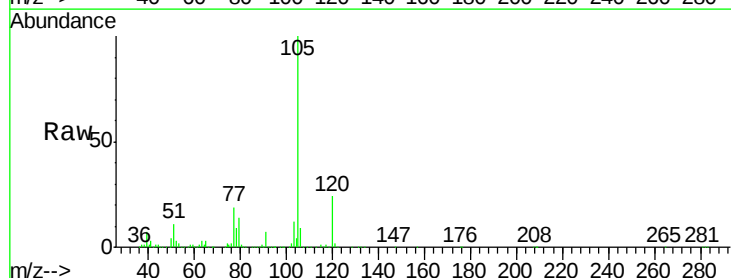
Manual Integrations
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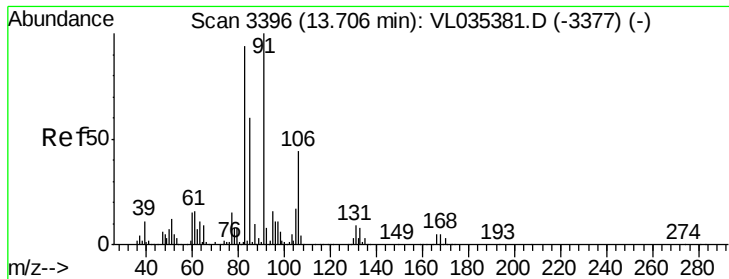
MMDadoda
8/17/2020 5:43:46 PM



#62
Isopropylbenzene
Concen: 2.912 ppbv
RT: 14.69 min Scan# 3702
Delta R.T. -0.01 min
Lab File: VL035382.D
Acq: 12 Aug 2020 12:37

Tgt Ion:105	Resp:	1388272
Ion Ratio	Lower	Upper
105 100		
120 24.5	21.1	31.7





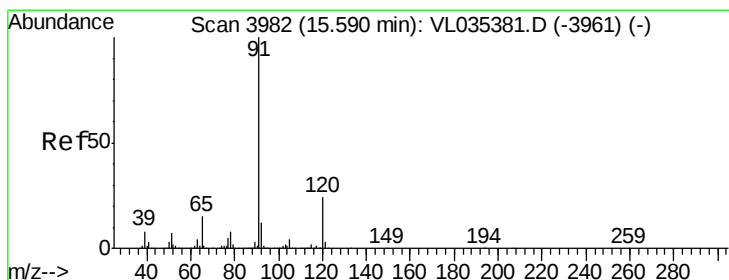
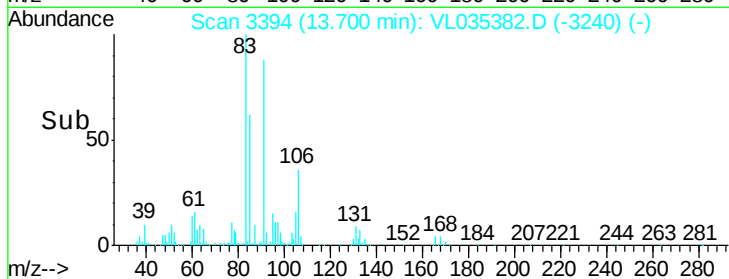
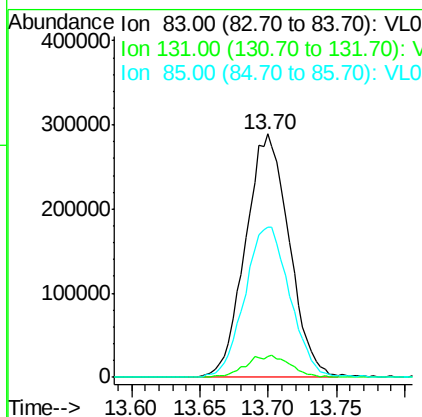
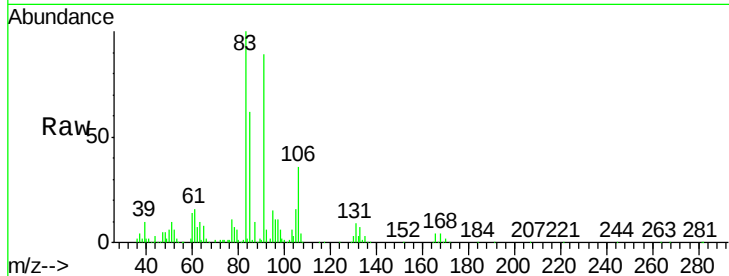
#63
1,1,2,2-Tetrachloroethane
Concen: 2.382 ppbv
RT: 13.70 min Scan# 3394
Delta R.T. -0.01 min
Lab File: VL035382.D
Acq: 12 Aug 2020 12:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	9.2	4.5	13.7	
85	64.0	32.4	97.0	

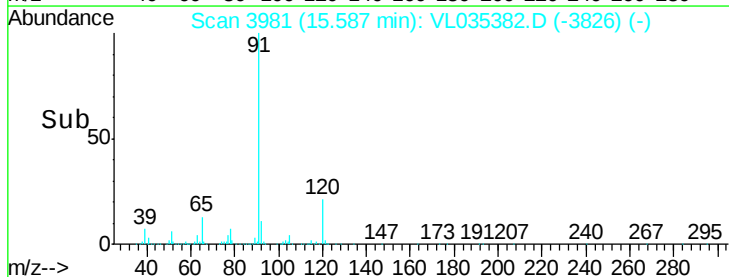
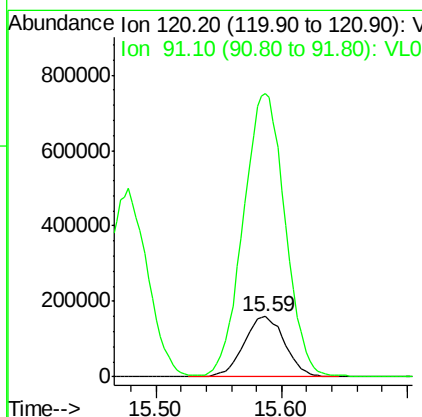
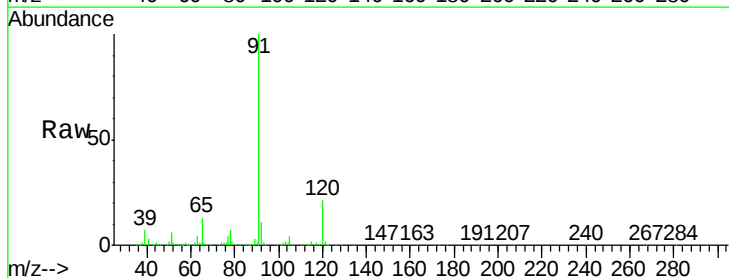
Manual Integrations
APPROVED

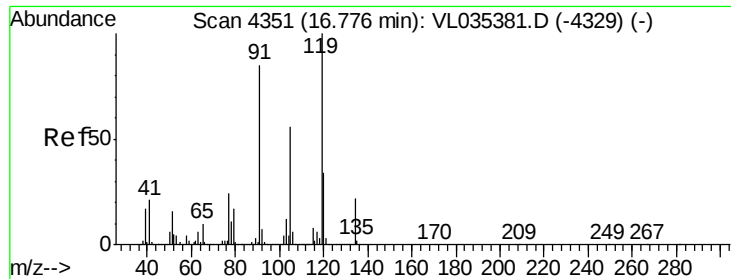
MMDadoda
8/17/2020 5:43:46 PM



#64
n-propylbenzene
Concen: 2.831 ppbv
RT: 15.59 min Scan# 3981
Delta R.T. -0.00 min
Lab File: VL035382.D
Acq: 12 Aug 2020 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
120	100			
91	480.6	356.2	534.4	





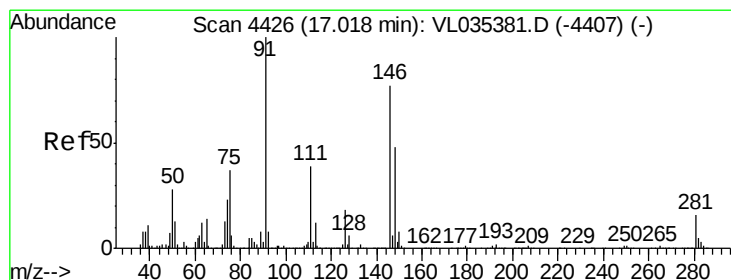
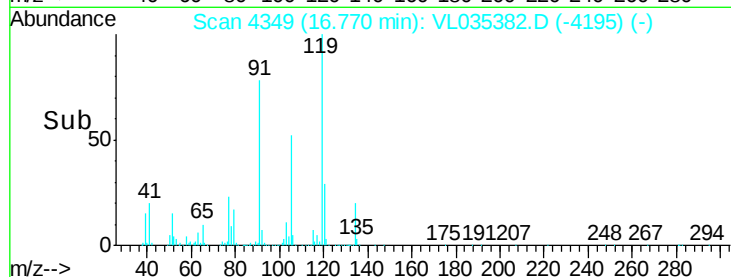
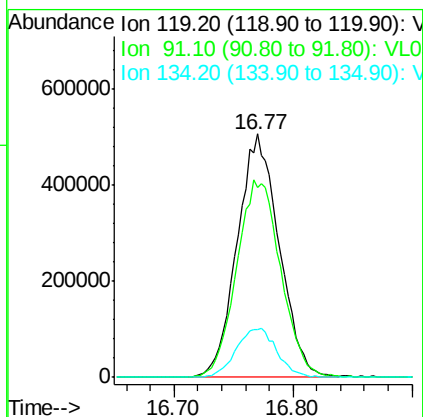
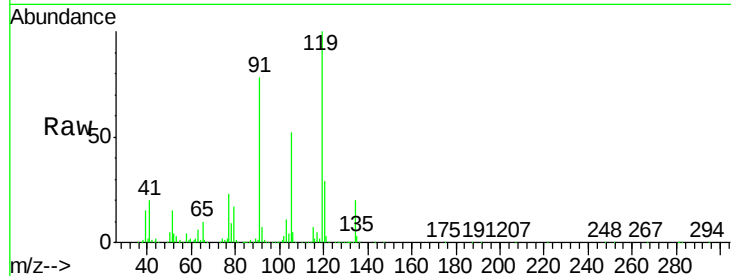
#65
tert-Butylbenzene
Concen: 2.828 ppbv
RT: 16.77 min Scan# 4349
Delta R.T. -0.01 min
Lab File: VL035382.D
Acq: 12 Aug 2020 12:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
119	100		
91	85.6	68.2	102.4
134	19.7	16.2	24.4

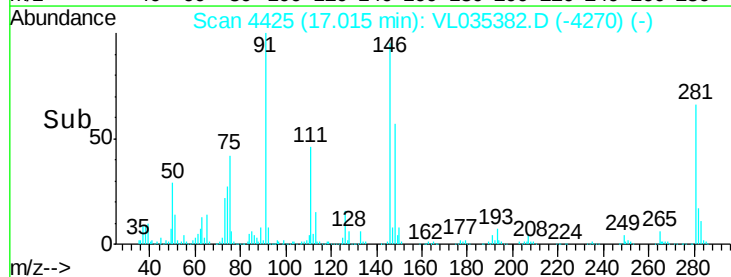
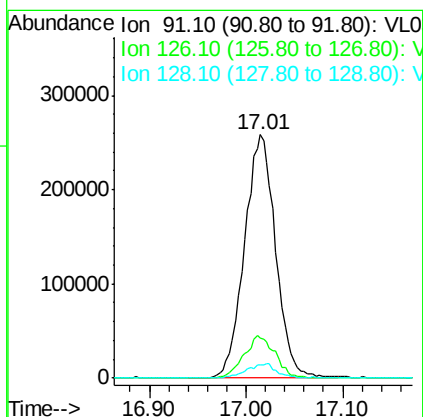
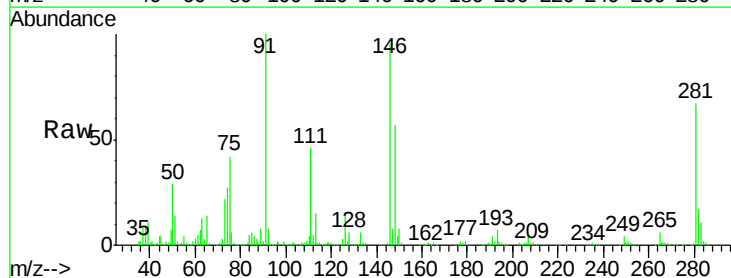
Manual Integrations
APPROVED

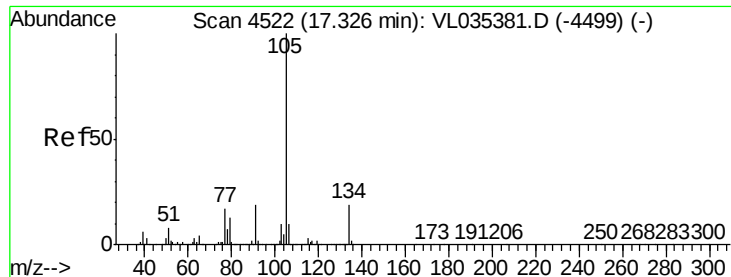
MMDadoda
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#66
Benzyl Chloride
Concen: 3.346 ppbv
RT: 17.01 min Scan# 4425
Delta R.T. -0.00 min
Lab File: VL035382.D
Acq: 12 Aug 2020 12:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	17.5	14.4	21.6
128	5.8	4.6	7.0





#67

sec-Butylbenzene

Concen: 2.935 ppbv

RT: 17.32 min Scan# 4520

Delta R.T. -0.01 min

Lab File: VL035382.D

Acq: 12 Aug 2020 12:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 105 Resp: 1811947

Ion Ratio Lower Upper

105 100

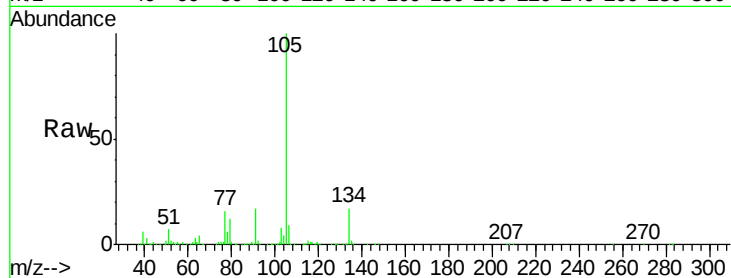
134 17.4 15.0 22.6

Manual Integrations

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.32

800000

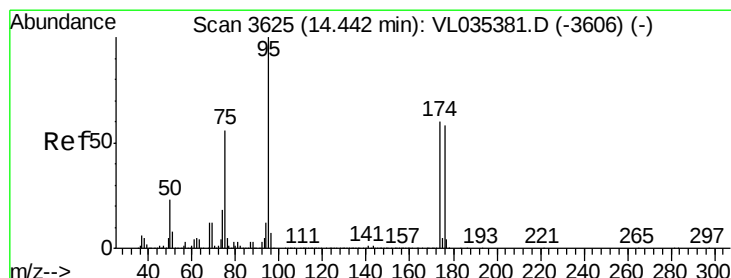
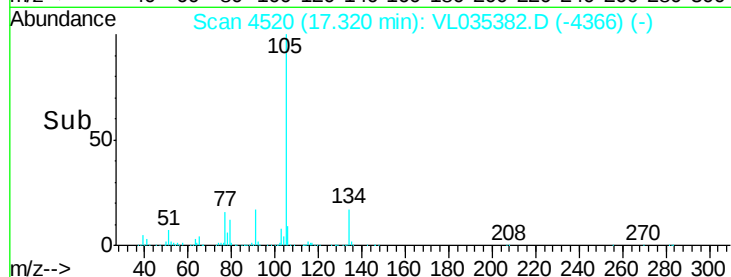
600000

400000

200000

0

Time--> 17.20 17.30 17.40



#68

1-Bromo-4-Fluorobenzene

Concen: 9.130 ppbv

RT: 14.44 min Scan# 3624

Delta R.T. -0.00 min

Lab File: VL035382.D

Acq: 12 Aug 2020 12:37

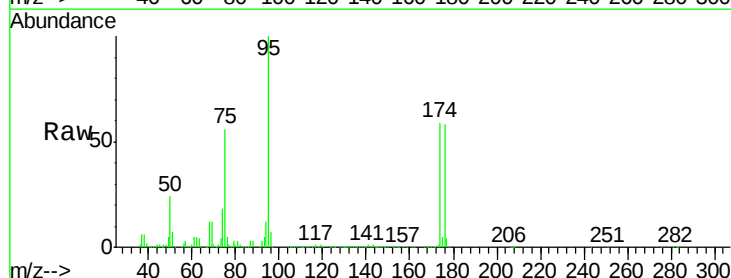
Tgt Ion: 95 Resp: 2506832

Ion Ratio Lower Upper

95 100

174 59.9 48.2 72.2

175 4.8 3.7 5.5



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

14.44

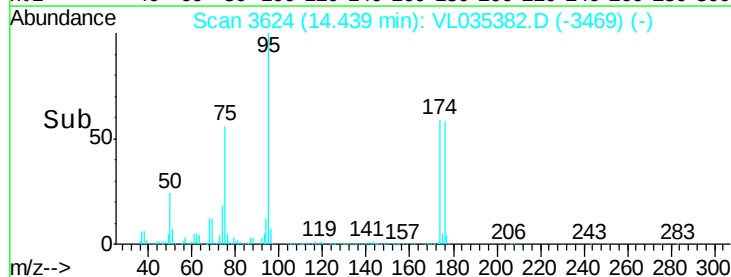
1500000

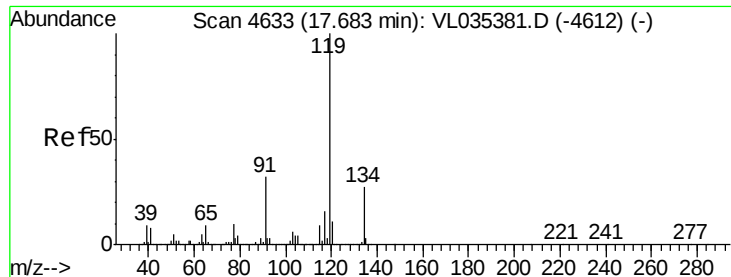
1000000

500000

0

Time--> 14.40 14.50





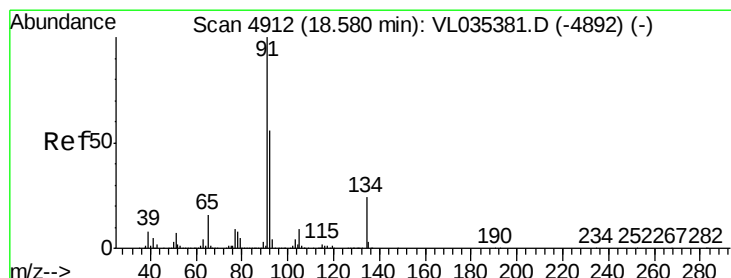
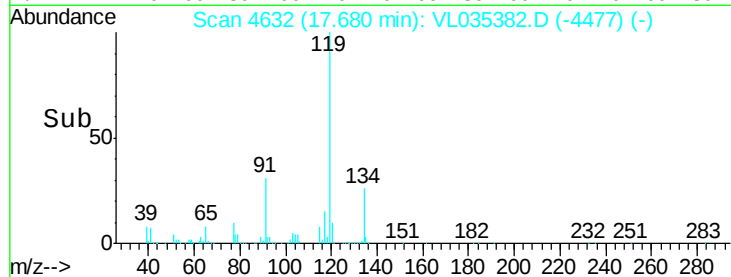
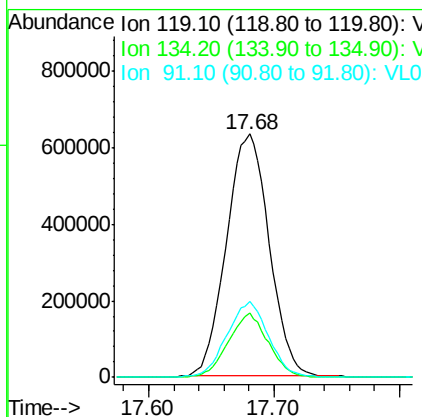
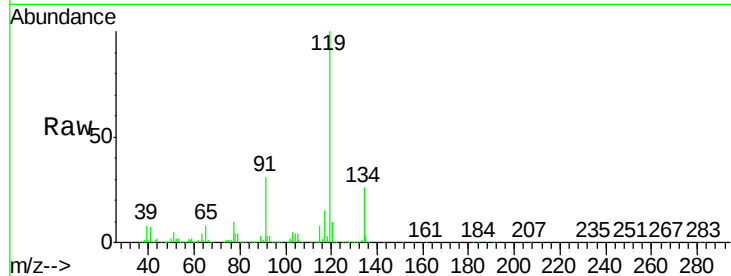
#69
 p-Isopropyltoluene
 Concen: 2.977 ppbv
 RT: 17.68 min Scan# 4632
 Delta R.T. -0.00 min
 Lab File: VL035382.D
 Acq: 12 Aug 2020 12:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
119	100		
134	24.8	20.9	31.3
91	30.8	25.3	37.9

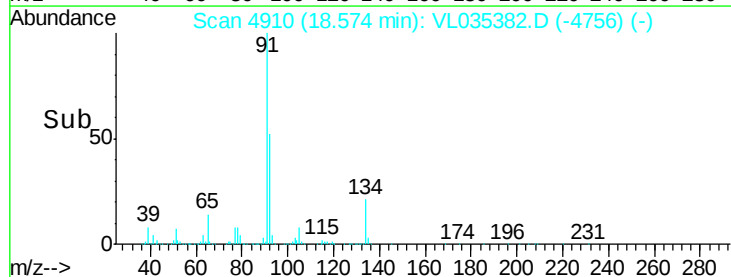
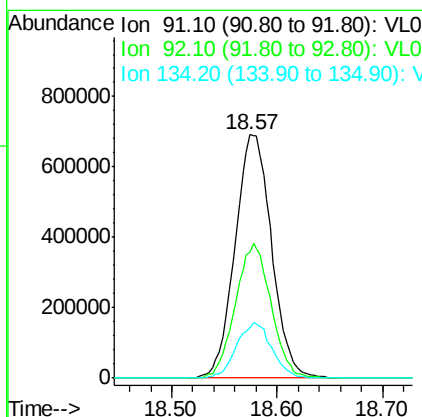
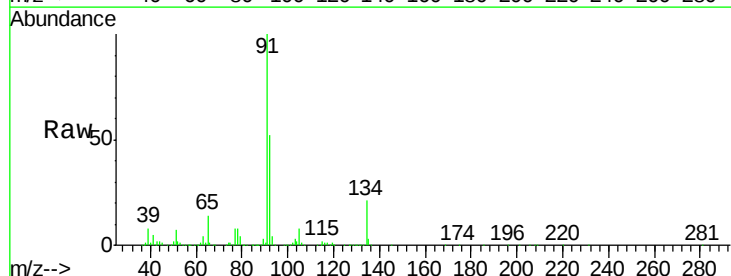
Manual Integrations
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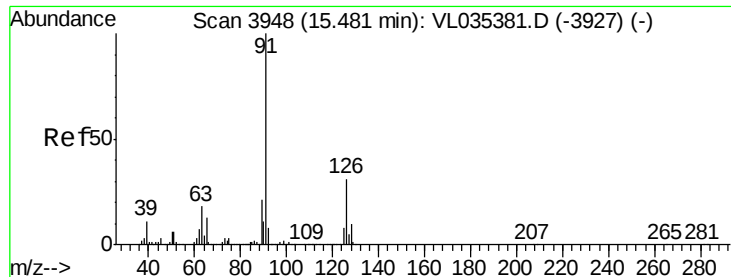
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 8/17/2020 5:43:46 PM



#70
 n-Butylbenzene
 Concen: 3.085 ppbv
 RT: 18.57 min Scan# 4910
 Delta R.T. -0.01 min
 Lab File: VL035382.D
 Acq: 12 Aug 2020 12:37

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.1	45.0	67.6
134	22.1	18.8	28.2





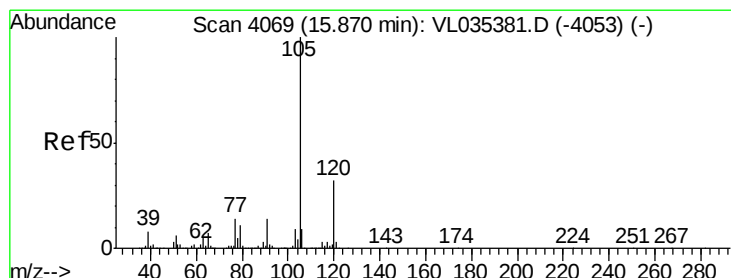
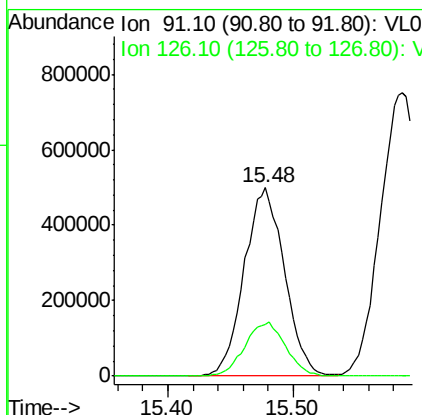
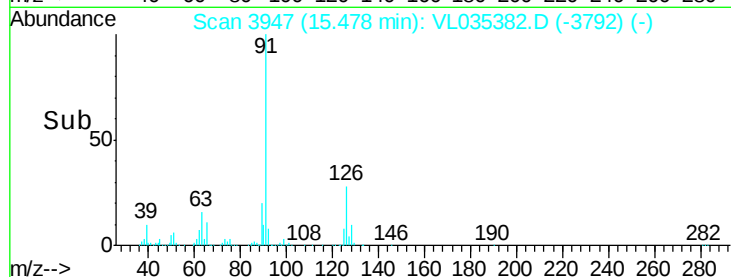
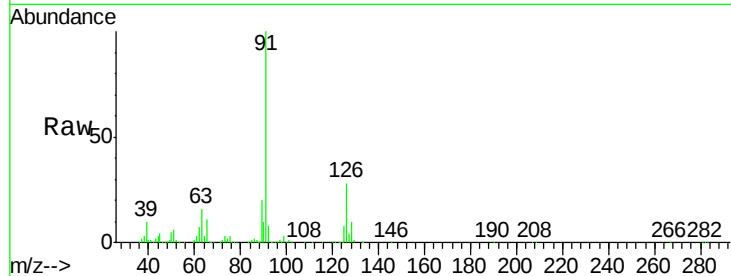
#71
 2-Chlorotoluene
 Concen: 3.192 ppbv
 RT: 15.48 min Scan# 3947
 Delta R.T. -0.00 min
 Lab File: VL035382.D
 Acq: 12 Aug 2020 12:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion: 91 Resp: 1114660
 Ion Ratio Lower Upper
 91 100
 126 29.1 12.1 48.3

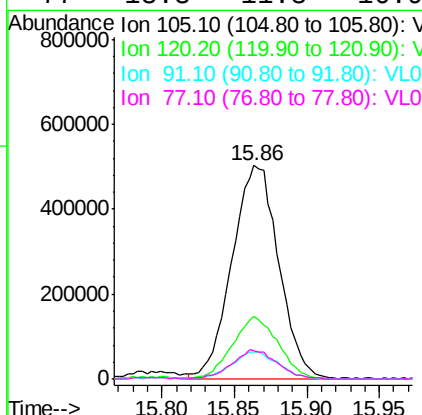
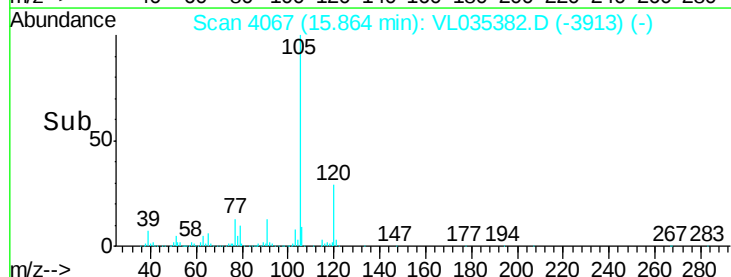
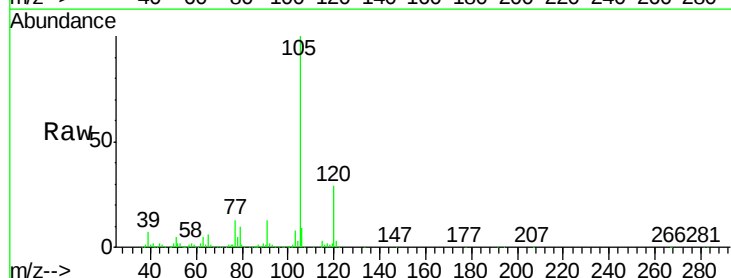
Manual Integrations
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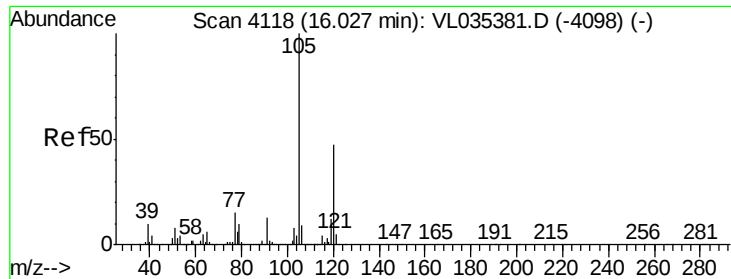
MMDadoda
 8/17/2020 5:43:46 PM



#72
 4-Ethyltoluene
 Concen: 3.100 ppbv
 RT: 15.86 min Scan# 4067
 Delta R.T. -0.01 min
 Lab File: VL035382.D
 Acq: 12 Aug 2020 12:37

Tgt Ion: 105 Resp: 1118759
 Ion Ratio Lower Upper
 105 100
 120 28.9 24.0 36.0
 91 12.7 10.4 15.6
 77 13.3 11.3 16.9





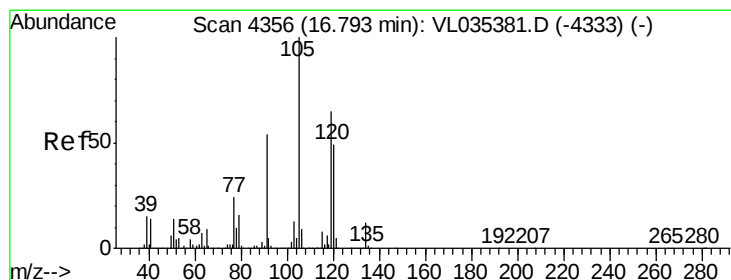
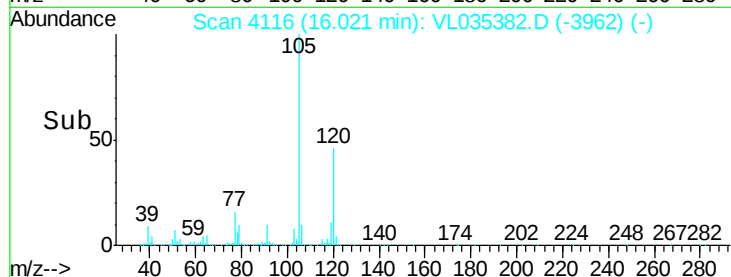
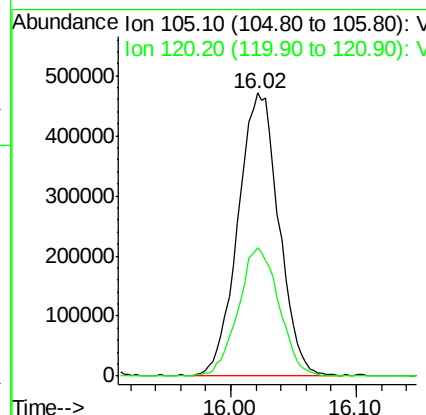
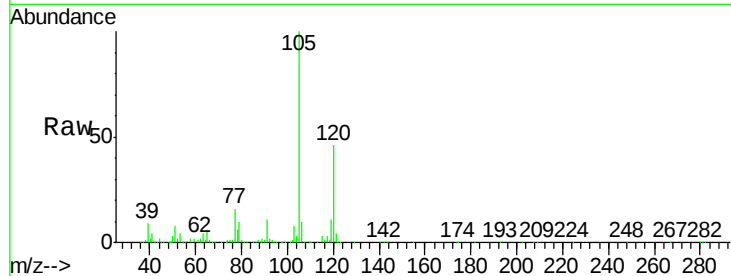
#73
 1,3,5-Trimethylbenzene
 Concen: 3.058 ppbv
 RT: 16.02 min Scan# 4116
 Delta R.T. -0.01 min
 Lab File: VL035382.D
 Acq: 12 Aug 2020 12:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion:105 Resp: 1059073
 Ion Ratio Lower Upper
 105 100
 120 45.5 37.4 56.0

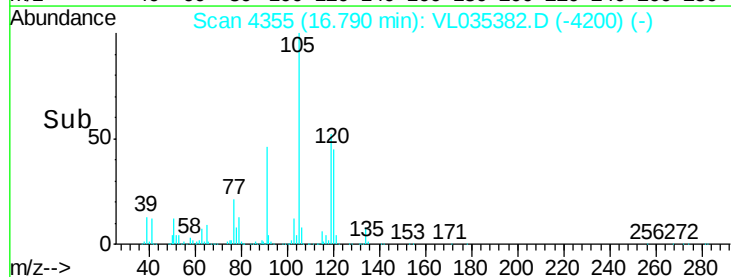
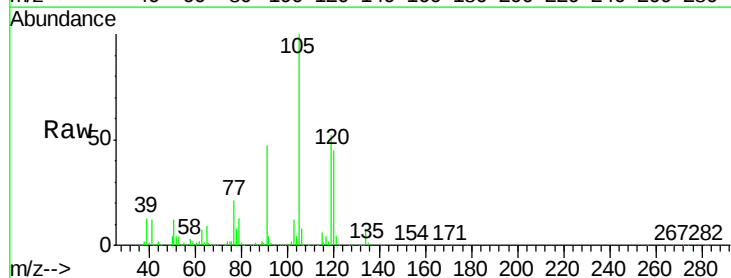
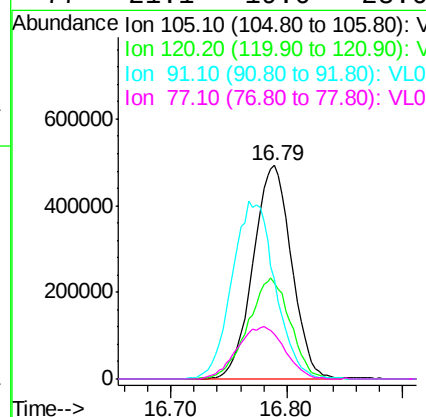
Manual Integrations
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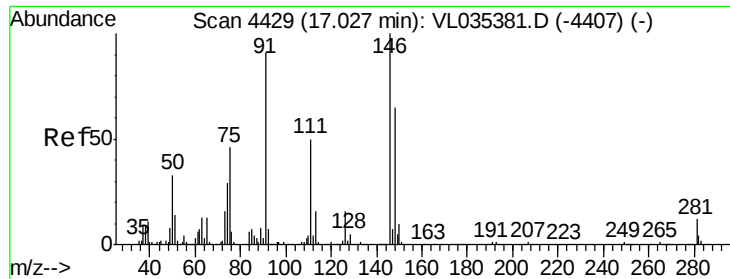
MMDadoda
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#74
 1,2,4-Trimethylbenzene
 Concen: 2.874 ppbv
 RT: 16.79 min Scan# 4355
 Delta R.T. -0.00 min
 Lab File: VL035382.D
 Acq: 12 Aug 2020 12:37

Tgt Ion:105 Resp: 1137627
 Ion Ratio Lower Upper
 105 100
 120 45.0 39.1 58.7
 91 46.1 43.7 65.5
 77 21.1 19.0 28.6





#75

1,3-Dichlorobenzene

Concen: 2.355 ppbv

RT: 17.02 min Scan# 4427

Delta R.T. -0.01 min

Lab File: VL035382.D

Acq: 12 Aug 2020 12:37

Instrument :

MSVOA_L

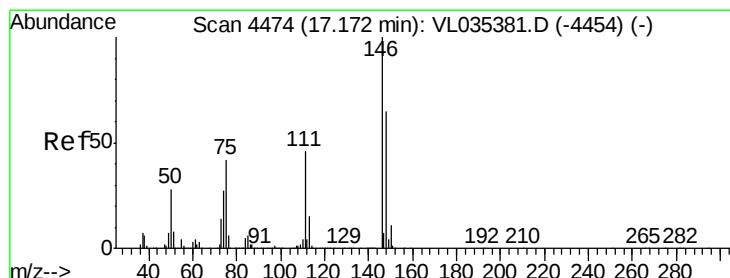
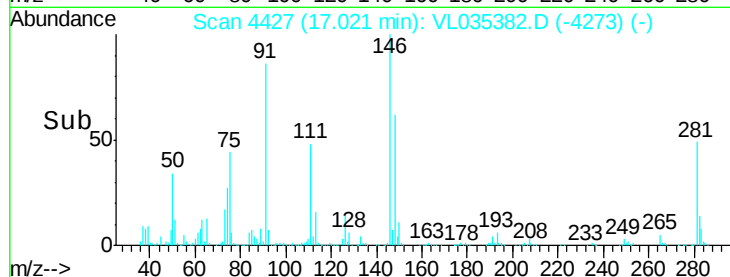
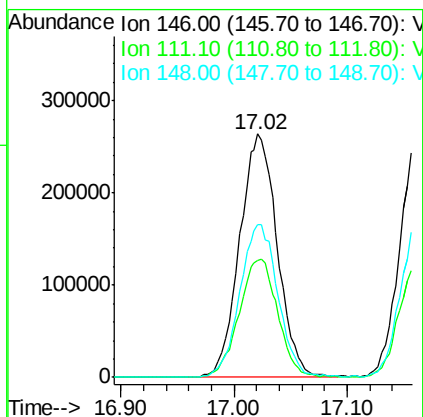
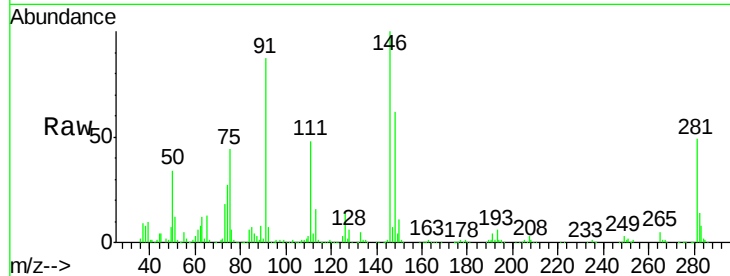
ClientSampleId :

VSTDIC002

Tot Ion:	146	Resp:	609928
Ion Ratio	Lower	Upper	
146	100		
111	49.8	25.0	75.0
148	63.4	32.6	97.7

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 2.592 ppbv

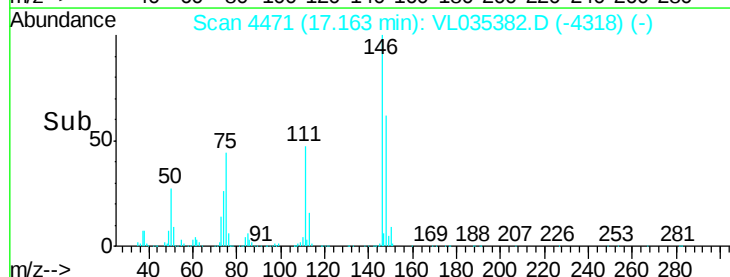
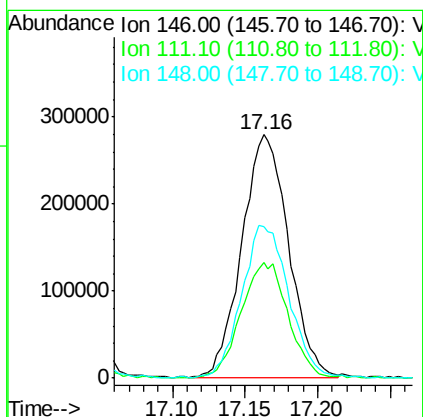
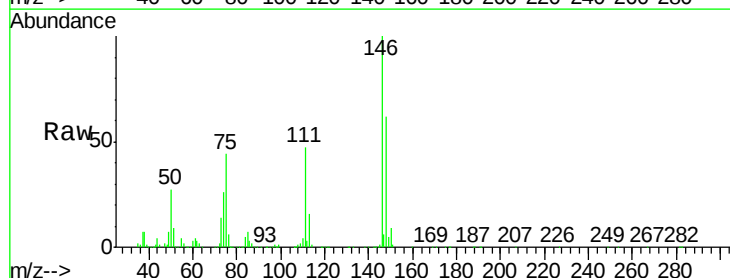
RT: 17.16 min Scan# 4471

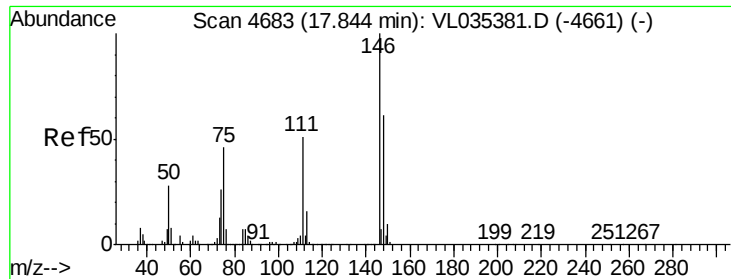
Delta R.T. -0.01 min

Lab File: VL035382.D

Acq: 12 Aug 2020 12:37

Tgt Ion:	146	Resp:	621707
Ion Ratio	Lower	Upper	
146	100		
111	49.1	24.0	72.0
148	64.6	32.5	97.5





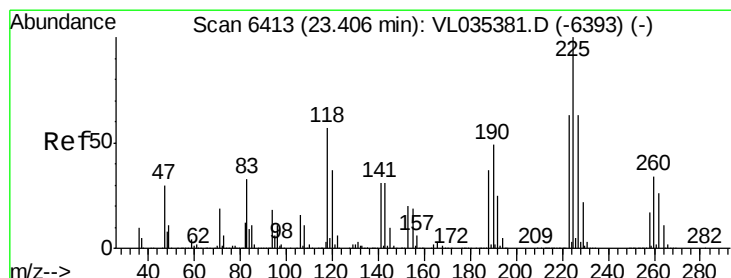
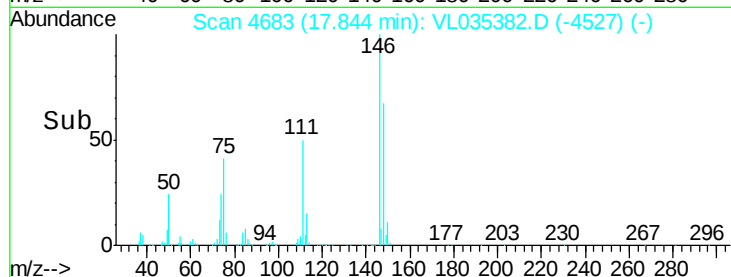
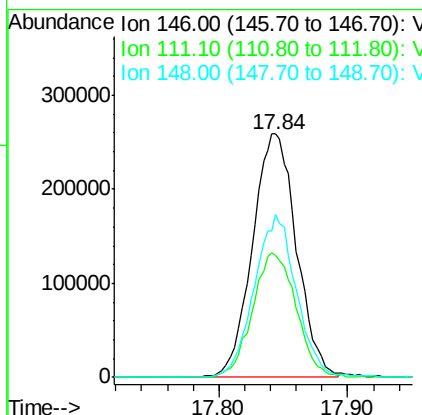
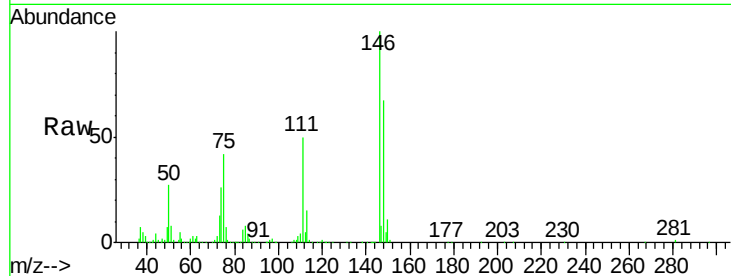
#77
 1,2-Dichlorobenzene
 Concen: 2.565 ppbv
 RT: 17.84 min Scan# 4683
 Delta R.T. 0.00 min
 Lab File: VL035382.D
 Acq: 12 Aug 2020 12:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
146	100		
111	51.1	25.9	77.8
148	64.1	32.1	96.3

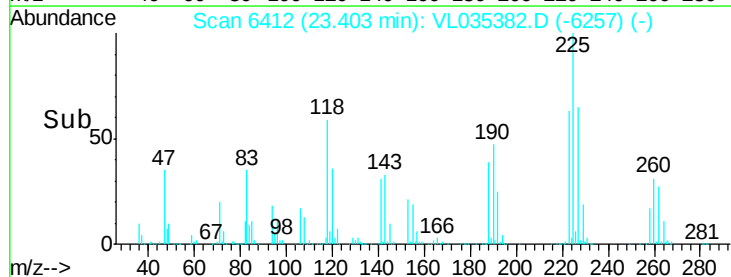
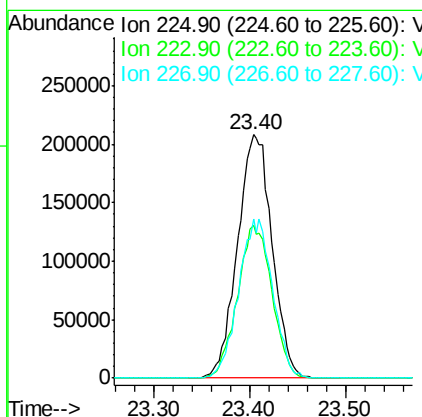
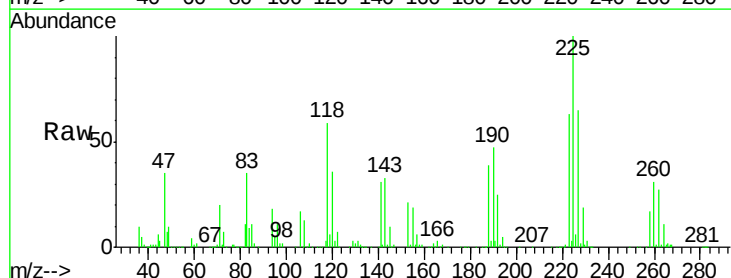
Manual Integrations
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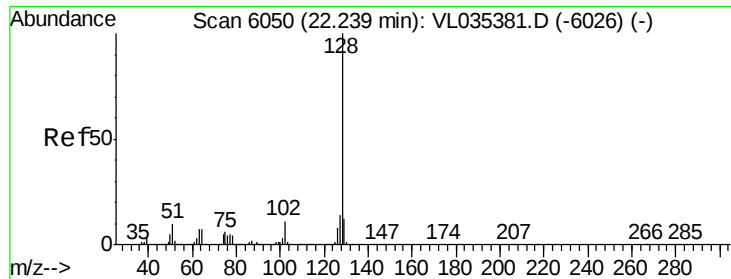
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#78
 Hexachloro-1,3-Butadiene
 Concen: 2.567 ppbv m
 RT: 23.40 min Scan# 6412
 Delta R.T. -0.00 min
 Lab File: VL035382.D
 Acq: 12 Aug 2020 12:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	51.0	76.6
227	64.1	51.0	76.6





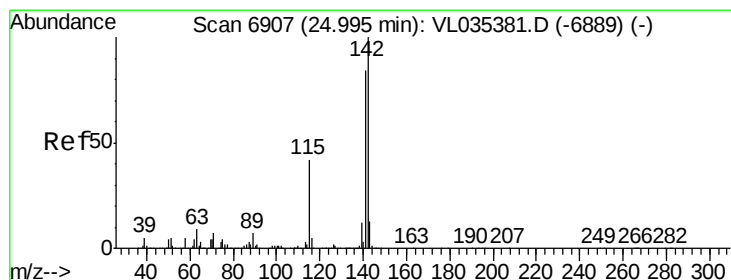
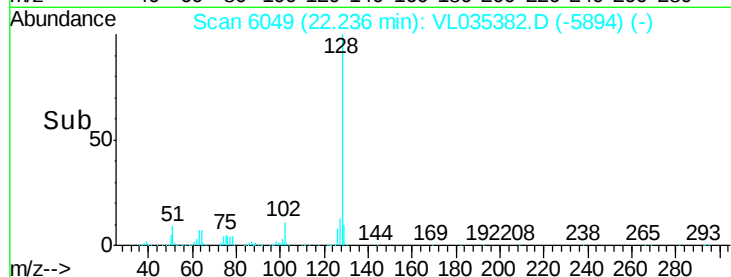
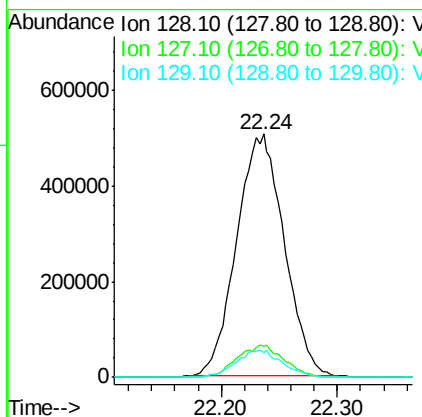
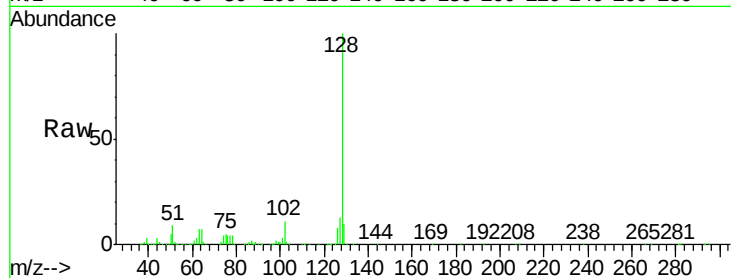
#79
Naphthalene
Concen: 4.723 ppbv
RT: 22.24 min Scan# 6049
Delta R.T. -0.00 min
Lab File: VL035382.D
Acq: 12 Aug 2020 12:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	11.0	16.4
129	10.2	9.2	13.8

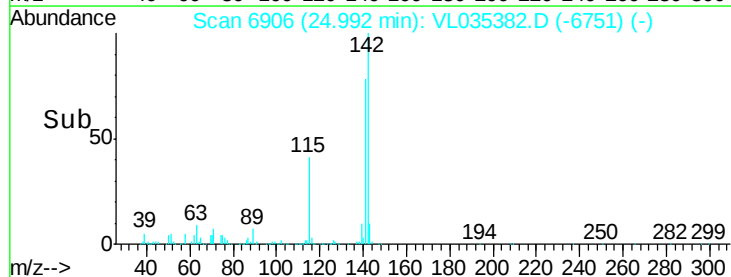
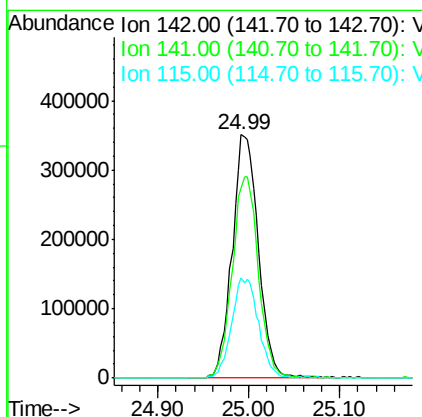
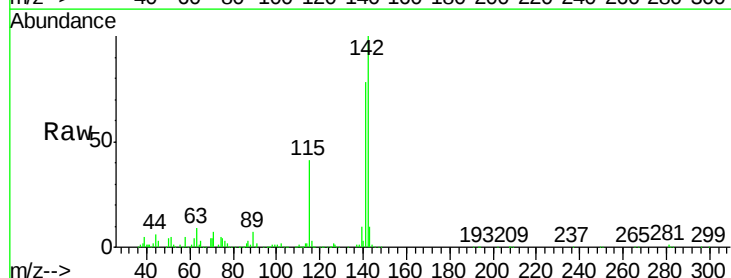
Manual Integrations
APPROVED

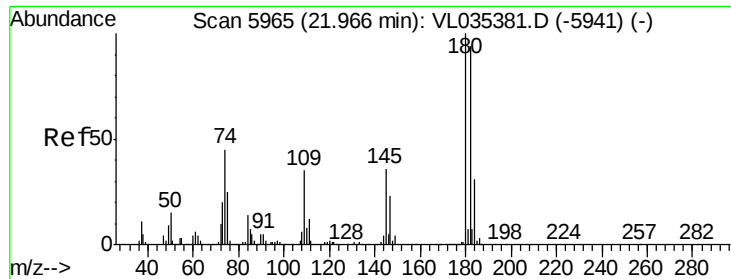
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8/17/2020 5:43:46 PM



#80
Naphthalene, 2-methyl-
Concen: 10.114 ppbv
RT: 24.99 min Scan# 6906
Delta R.T. -0.00 min
Lab File: VL035382.D
Acq: 12 Aug 2020 12:37

Tgt Ion	Ratio	Lower	Upper
142	100		
141	82.7	67.7	101.5
115	42.5	34.0	51.0





#81
 1,2,4-Trichlorobenzene
 Concen: 3.548 ppbv
 RT: 21.96 min Scan# 5963
 Delta R.T. -0.01 min
 Lab File: VL035382.D
 Acq: 12 Aug 2020 12:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion:	180	Resp:	680710
Ion Ratio	Lower	Upper	
180	100		
182	94.5	77.6	116.4
184	30.2	24.7	37.1

Manual Integrations
 APPROVED

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