

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092320\
 Data File : VL035707.D
 Acq On : 23 Sep 2020 5:16
 Operator : SY/AP
 Sample : VSTDIC0.5
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

MMDadoda
 9/24/2020 1:35:17 PM

Quant Time: Sep 23 05:48:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23 2020
 QLast Update : Wed Sep 23 05:25:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1275832	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4785490	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	4682170	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3595037	10.69	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	132613	0.601	ppbv	96
3) Chlorodifluoromethane	2.98	51	74235	0.532	ppbv	96
4) Chloromethane	3.14	50	38467	0.515	ppbv #	87
5) Vinyl Chloride	3.26	62	43557	0.470	ppbv	99
6) Bromomethane	3.47	94	39043	0.507	ppbv	91
7) Chloroethane	3.56	64	16881	0.518	ppbv	94
8) Dichlorotetrafluoroethane	3.19	85	142670	0.539	ppbv	96
9) Propene	3.01	41	24618	0.459	ppbv	98
10) Heptane	8.14	43	58646	0.400	ppbv	98
11) Trichlorofluoromethane	3.95	101	161011	0.506	ppbv	94
12) 1,1,2-Trichlorotrifluoroet	4.49	101	118971	0.496	ppbv	99
13) Ethanol	3.62	45	7593m	0.570	ppbv	
14) Bromoethene	3.74	108	46235	0.451	ppbv	98
15) Acetone	3.86	43	80246	0.579	ppbv	89
16) 1,3-Butadiene	3.33	39	23392	0.449	ppbv	98
17) tert-Butyl alcohol	4.31	59	80328	0.482	ppbv	100
18) 1,1-Dichloroethene	4.29	96	47894	0.454	ppbv	93
19) Isopropyl Alcohol	3.98	45	43087	0.529	ppbv #	90
20) Methylene Chloride	4.35	84	60398	0.579	ppbv	96
21) Allyl Chloride	4.42	41	31999	0.488	ppbv	99
22) trans-1,2-Dichloroethene	4.89	96	52562	0.468	ppbv	95
23) Vinyl Acetate	5.08	43	73956m	0.414	ppbv	
24) 1,1-Dichloroethane	5.02	63	96586	0.523	ppbv	99
25) Ethyl Acetate	5.69	43	124521	0.500	ppbv	99
26) Hexane	5.70	57	64440	0.457	ppbv	89
27) Carbon Disulfide	4.56	76	90605	0.451	ppbv	97
28) Methyl tert-Butyl Ether	5.05	73	95700	0.399	ppbv	99
29) Chloroform	5.76	83	142040	0.499	ppbv	98
30) Cyclohexane	7.14	84	57642m	0.388	ppbv	
31) cis-1,2-Dichloroethene	5.56	61	57103	0.400	ppbv	98
32) 1,1,1-Trichloroethane	6.52	97	119144	0.433	ppbv	99
34) 2-Butanone	5.26	43	72358	0.497	ppbv	100
35) Carbon Tetrachloride	7.03	117	120830	0.500	ppbv	99
36) Benzene	6.90	78	139598	0.446	ppbv	94
37) 1,2-Dichloroethane	6.31	62	81430	0.540	ppbv	99
38) Trichloroethene	7.85	130	72450	0.403	ppbv	96
39) 1,2-Dichloropropane	7.63	63	56059	0.527	ppbv	92
40) 1,4-Dioxane	7.88	88	25575m	0.493	ppbv	
41) Tetrahydrofuran	6.08	42	30970	0.402	ppbv	90
42) Bromodichloromethane	7.80	83	122968	0.506	ppbv	95
43) Methyl Methacrylate	8.03	69	48544	0.398	ppbv	97

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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23 2020
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	204114	0.489	ppbv	96
45) t-1,3-Dichloropropene	9.29	75	43476	0.353	ppbv	95
46) cis-1,3-Dichloropropene	8.72	75	57567	0.376	ppbv	92
47) 1,1,2-Trichloroethane	9.49	97	81207	0.521	ppbv	98
48) Dibromochloromethane	10.33	129	105481	0.434	ppbv	98
49) Bromoform	13.07	173	81981	0.378	ppbv	97
50) 4-Methyl-2-Pentanone	8.77	43	98431	0.465	ppbv	93
51) 2-Hexanone	10.17	43	69711	0.403	ppbv #	92
52) Tetrachloroethene	11.24	164	69659	0.391	ppbv	94
53) Toluene	9.82	91	143767	0.366	ppbv	93
54) 1,2-Dibromoethane	10.63	107	111137	0.453	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.14	131	96835m	0.503	ppbv	
57) Chlorobenzene	12.17	112	189694	0.543	ppbv #	93
58) Ethyl Benzene	12.74	91	191943	0.390	ppbv	95
59) m/p-Xylene	13.02	91	372044m	0.900	ppbv	
60) o-Xylene	13.72	91	181920	0.437	ppbv	95
61) Styrene	13.55	104	99662	0.317	ppbv	96
62) Isopropylbenzene	14.69	105	305698	0.462	ppbv	93
63) 1,1,2,2-Tetrachloroethane	13.70	83	177986	0.553	ppbv	98
64) n-propylbenzene	15.59	120	80466	0.401	ppbv #	63
65) tert-Butylbenzene	16.78	119	251850	0.411	ppbv	99
66) Benzyl Chloride	17.02	91	59084	0.375	ppbv	97
67) sec-Butylbenzene	17.33	105	369474	0.450	ppbv	92
69) p-Isopropyltoluene	17.68	119	274285	0.384	ppbv	95
70) n-Butylbenzene	18.58	91	296697	0.427	ppbv	90
71) 2-Chlorotoluene	15.48	91	199555	0.412	ppbv	98
72) 4-Ethyltoluene	15.87	105	196340	0.375	ppbv	97
73) 1,3,5-Trimethylbenzene	16.03	105	192774	0.398	ppbv	96
74) 1,2,4-Trimethylbenzene	16.79	105	241517	0.453	ppbv	95
75) 1,3-Dichlorobenzene	17.03	146	179958	0.465	ppbv	99
76) 1,4-Dichlorobenzene	17.16	146	162844m	0.427	ppbv	
77) 1,2-Dichlorobenzene	17.85	146	163766	0.437	ppbv	100
78) Hexachloro-1,3-Butadiene	23.41	225	87724	0.375	ppbv	99
79) Naphthalene	22.24	128	185293m	0.324	ppbv	
80) Naphthalene, 2-methyl-	25.00	142	24853m	0.134	ppbv	
81) 1,2,4-Trichlorobenzene	21.97	180	107971m	0.322	ppbv	

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

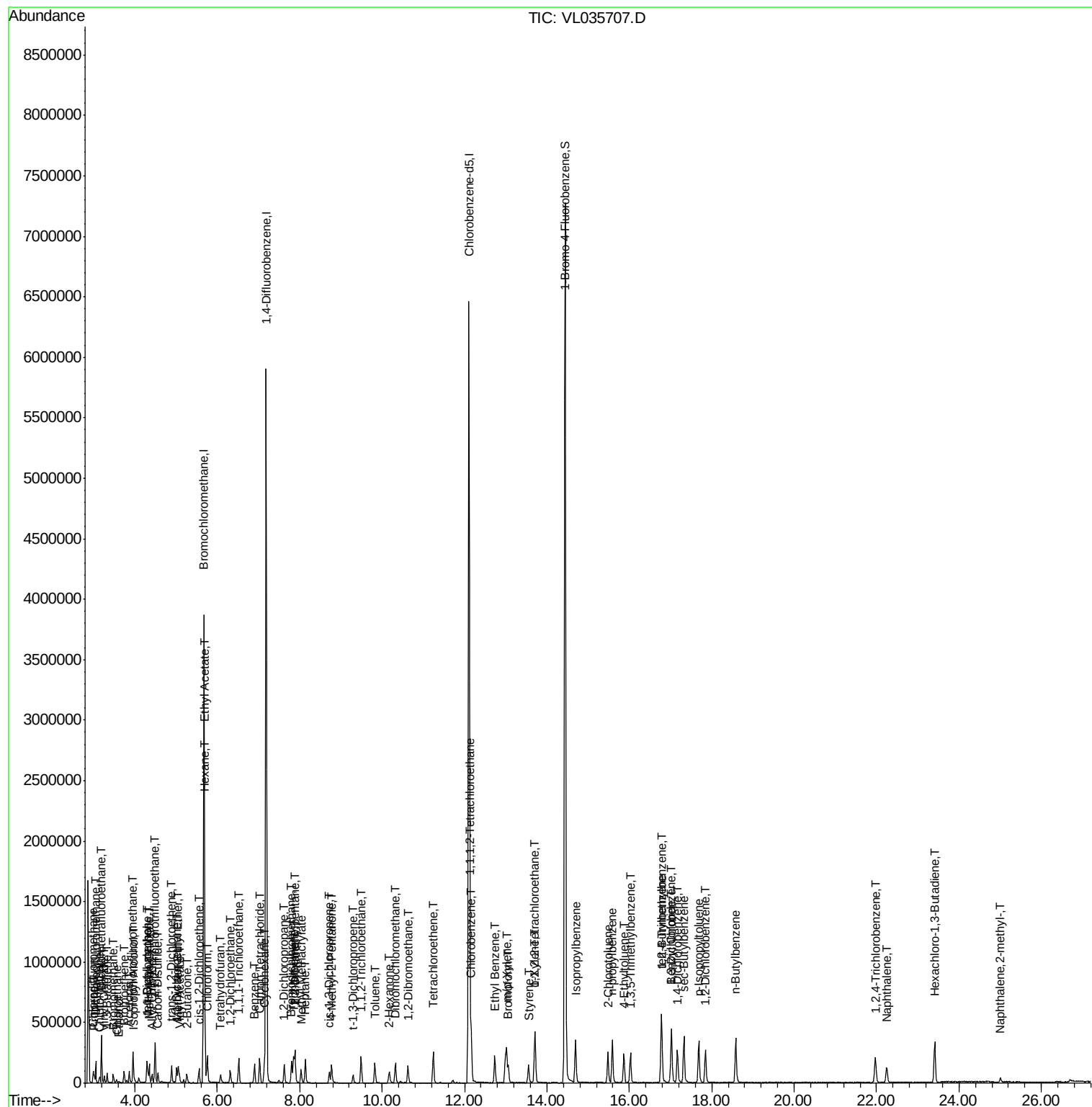
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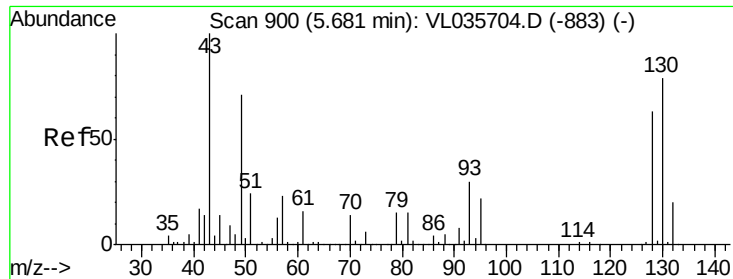
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep
QLast Update : Wed Sep 23 05:25:46 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.01 min

Lab File: VL035707.D

Acq: 23 Sep 2020 5:16

Instrument :

MSVOA_L

ClientSampled :

VSTDIC0.5

Tot Ion: 49 Resp: 1275832

Ion Ratio Lower Upper

49 100

128 84.5 43.1 129.4

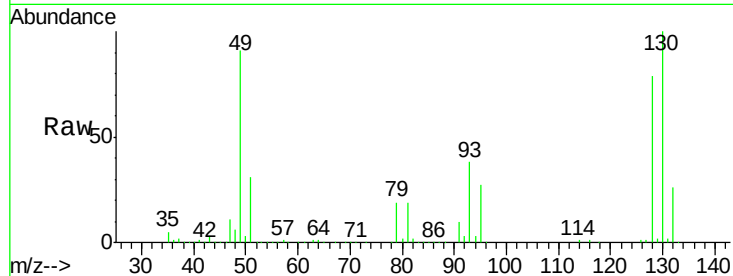
130 108.2 54.9 164.7

Manual Integrations

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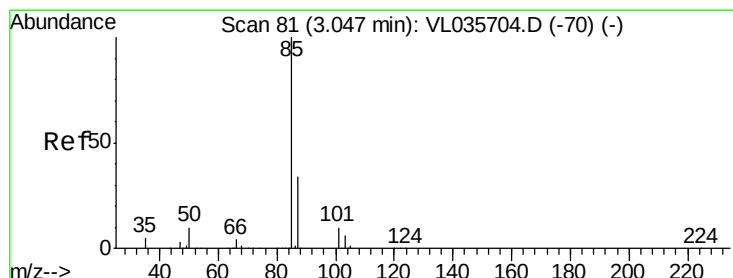
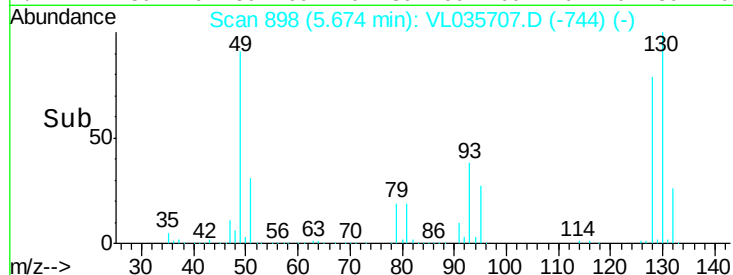
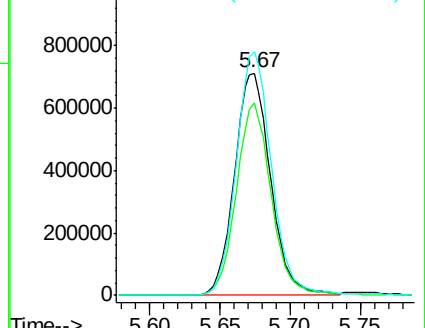
9/24/2020 1:35:17 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.601 ppbv

RT: 3.04 min Scan# 80

Delta R.T. -0.00 min

Lab File: VL035707.D

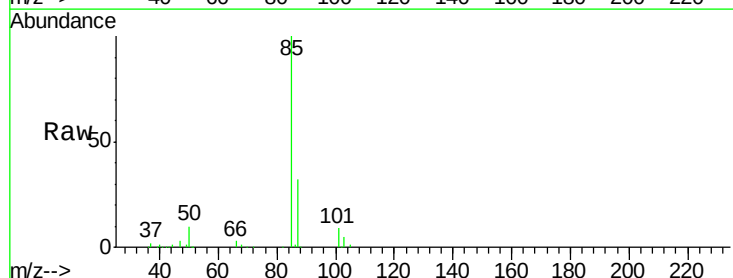
Acq: 23 Sep 2020 5:16

Tgt Ion: 85 Resp: 132613

Ion Ratio Lower Upper

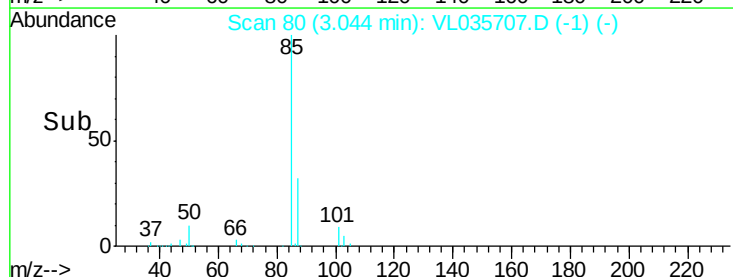
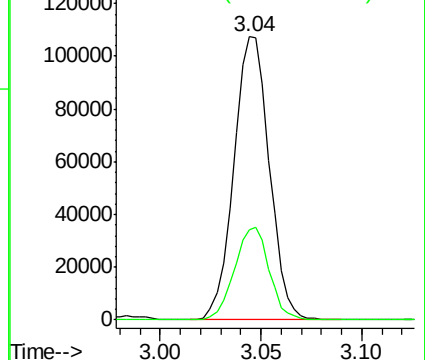
85 100

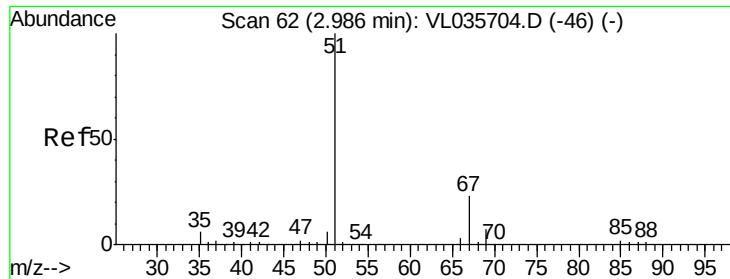
87 31.6 27.3 40.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.532 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.00 min

Lab File: VL035707.D

Acq: 23 Sep 2020 5:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 51 Resp: 74235

Ion Ratio Lower Upper

51 100

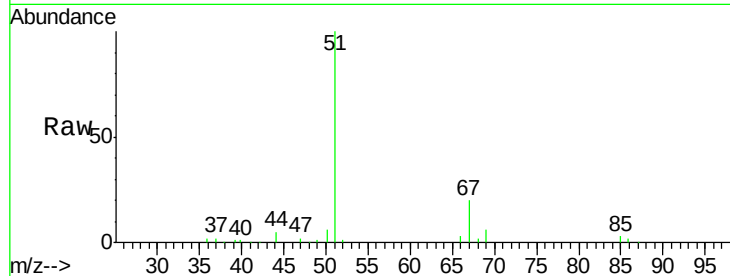
67 20.4 17.8 26.8

Manual Integrations

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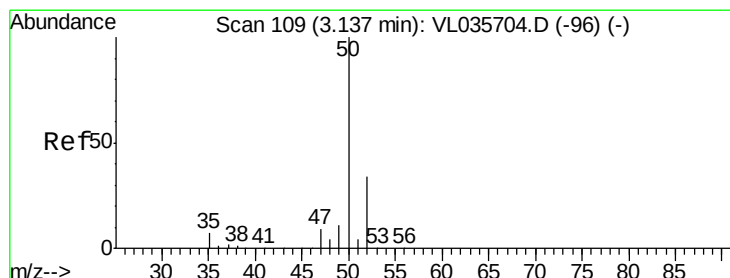
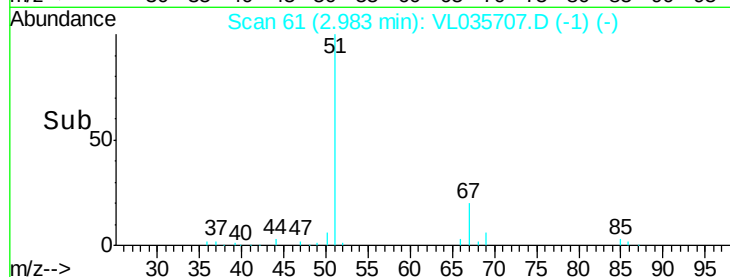
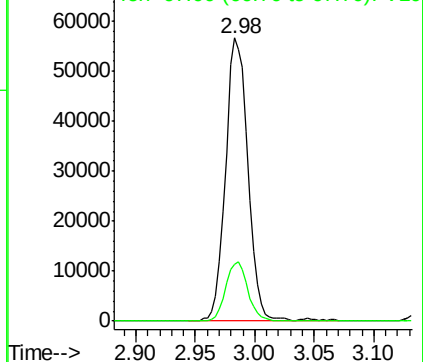
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.515 ppbv

RT: 3.14 min Scan# 109

Delta R.T. 0.00 min

Lab File: VL035707.D

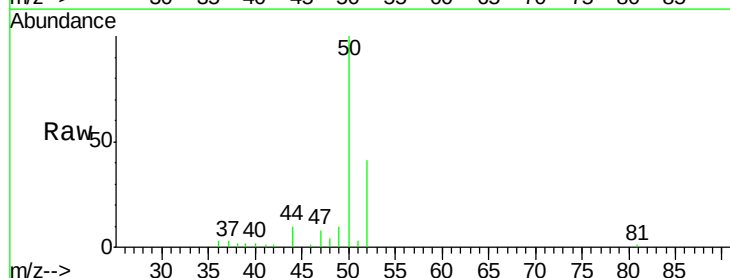
Acq: 23 Sep 2020 5:16

Tgt Ion: 50 Resp: 38467

Ion Ratio Lower Upper

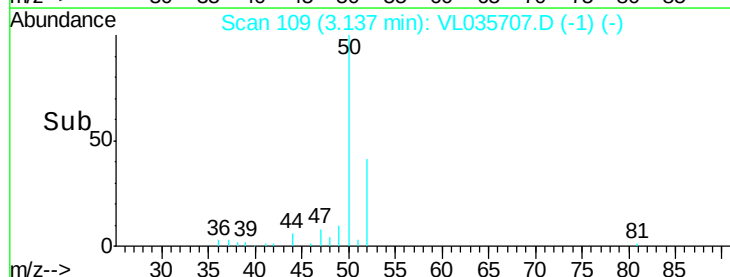
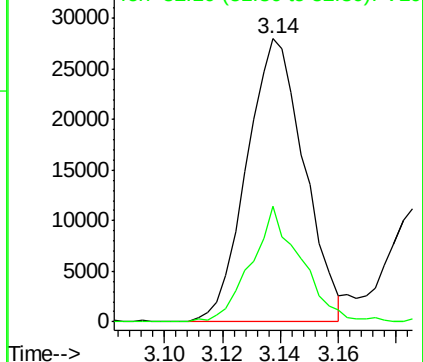
50 100

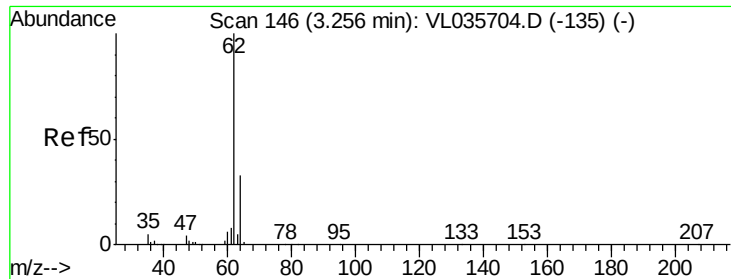
52 40.7 26.8 40.2#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.470 ppbv

RT: 3.26 min Scan# 146

Delta R.T. 0.00 min

Lab File: VL035707.D

Acq: 23 Sep 2020 5:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 62 Resp: 43557

Ion Ratio Lower Upper

62 100

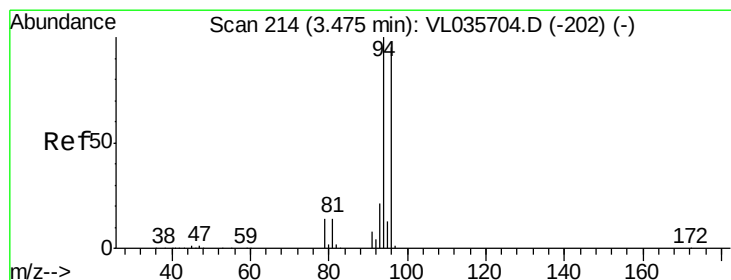
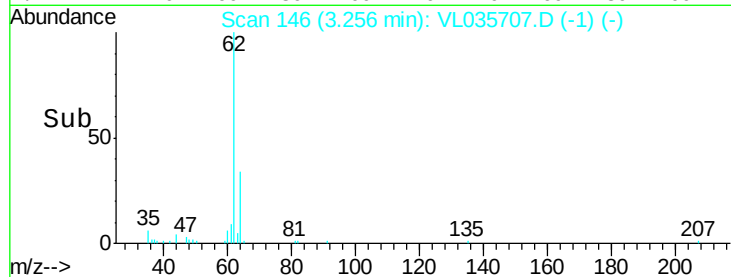
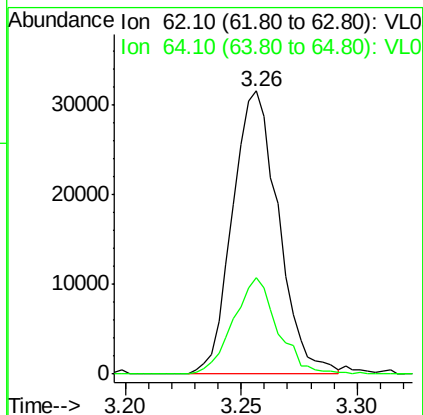
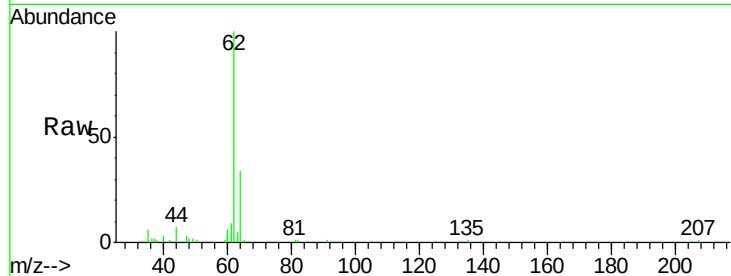
64 34.0 26.8 40.2

Manual Integrations

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#6

Bromomethane

Concen: 0.507 ppbv

RT: 3.47 min Scan# 214

Delta R.T. 0.00 min

Lab File: VL035707.D

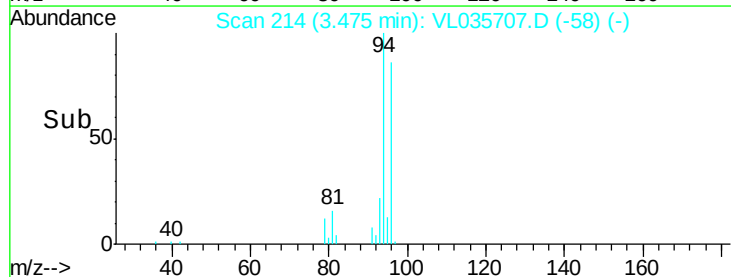
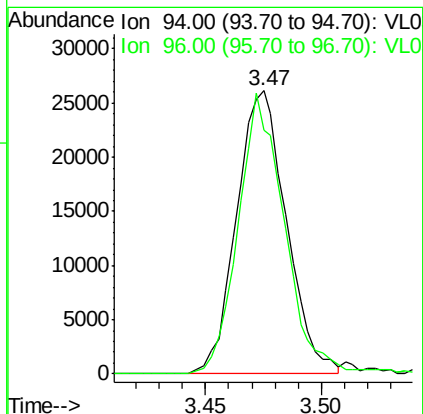
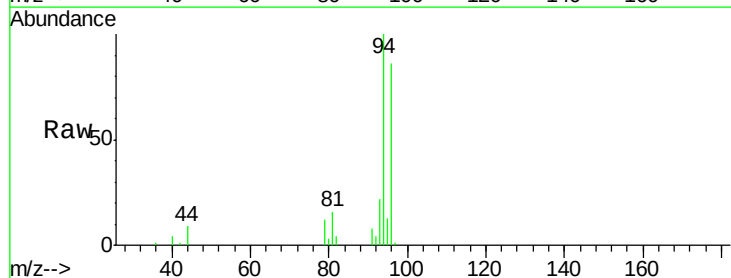
Acq: 23 Sep 2020 5:16

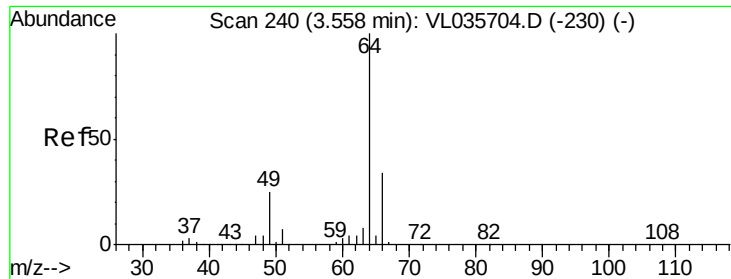
Tgt Ion: 94 Resp: 39043

Ion Ratio Lower Upper

94 100

96 86.2 76.3 114.5





#7

Chloroethane

Concen: 0.518 ppbv

RT: 3.56 min Scan# 239

Delta R.T. -0.00 min

Lab File: VL035707.D

Acq: 23 Sep 2020 5:16

Instrument :

MSVOA_L

ClientSampled :

VSTDIC0.5

Tot Ion: 64 Resp: 16881

Ion Ratio Lower Upper

64 100

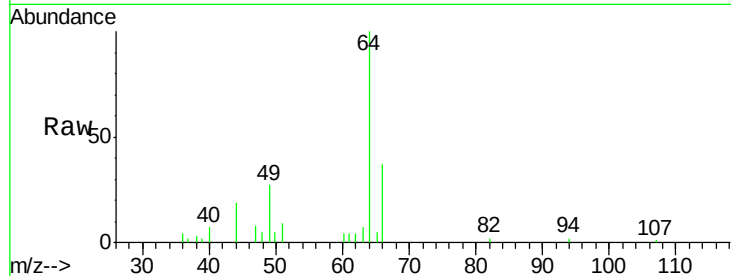
66 36.9 26.9 40.3

Manual Integrations

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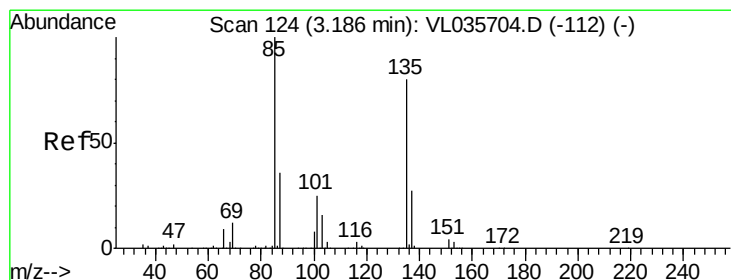
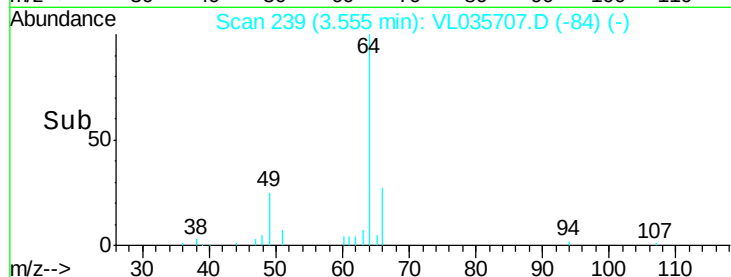
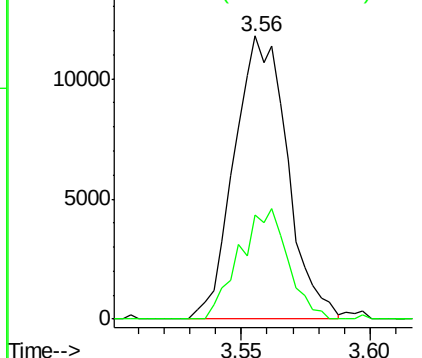
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.539 ppbv

RT: 3.19 min Scan# 124

Delta R.T. 0.00 min

Lab File: VL035707.D

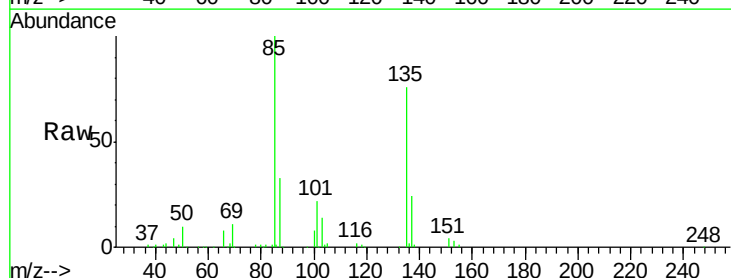
Acq: 23 Sep 2020 5:16

Tgt Ion: 85 Resp: 142670

Ion Ratio Lower Upper

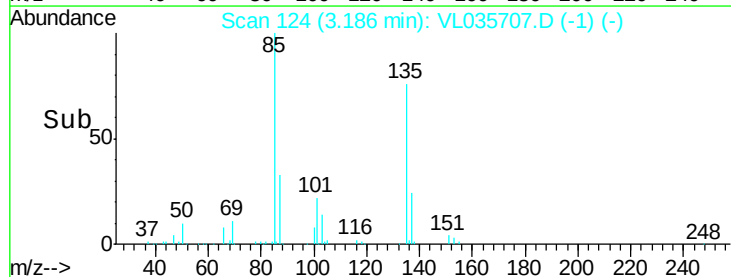
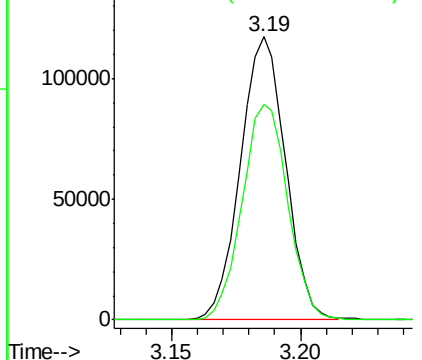
85 100

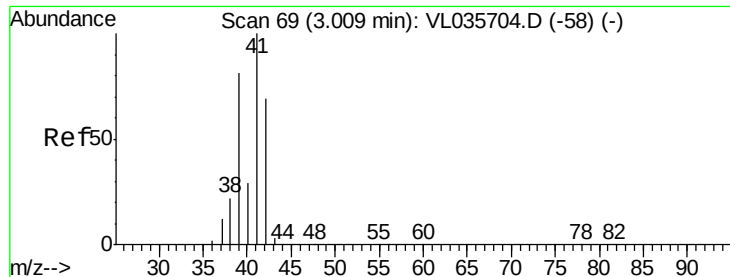
135 77.3 64.3 96.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.459 ppbv

RT: 3.01 min Scan# 68

Delta R.T. -0.00 min

Lab File: VL035707.D

Acq: 23 Sep 2020 5:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 41 Resp: 24618

Ion Ratio Lower Upper

41 100

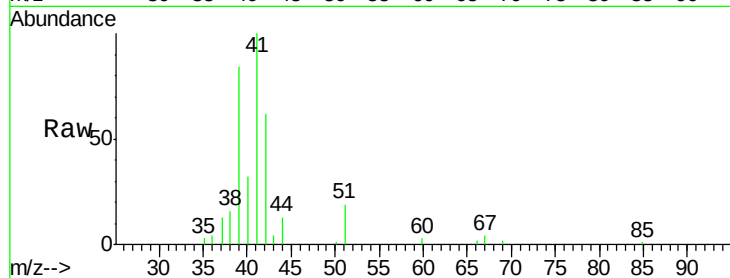
42 71.5 56.2 84.4

Manual Integrations

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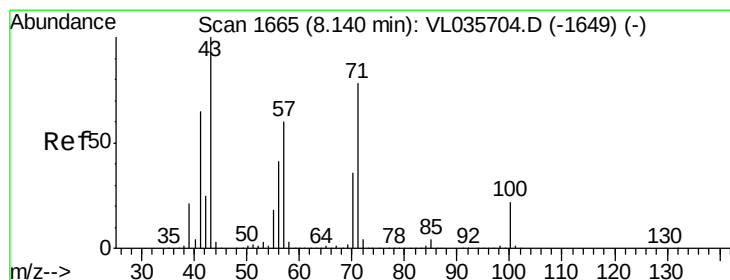
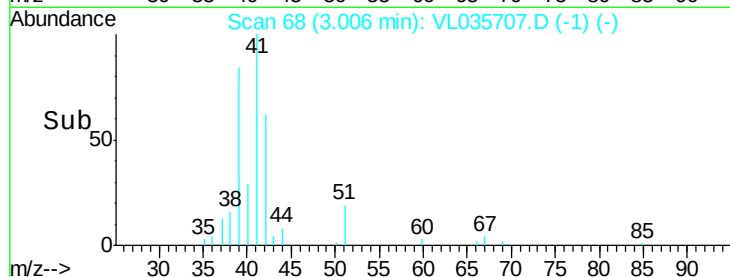
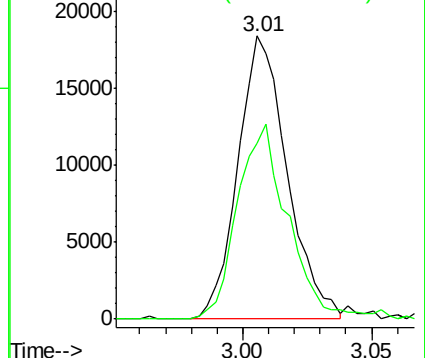
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 0.400 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VL035707.D

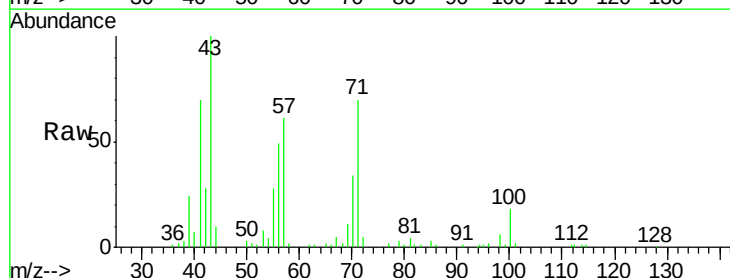
Acq: 23 Sep 2020 5:16

Tgt Ion: 43 Resp: 58646

Ion Ratio Lower Upper

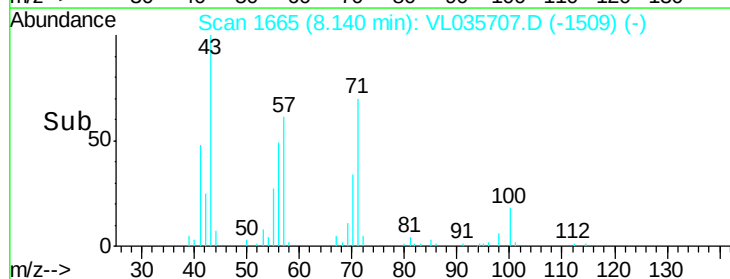
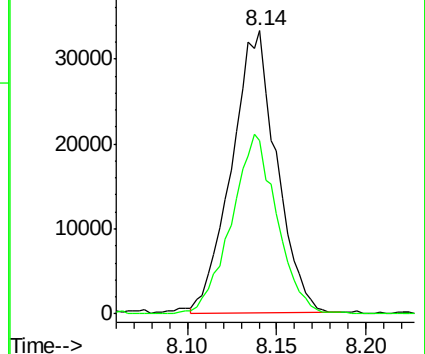
43 100

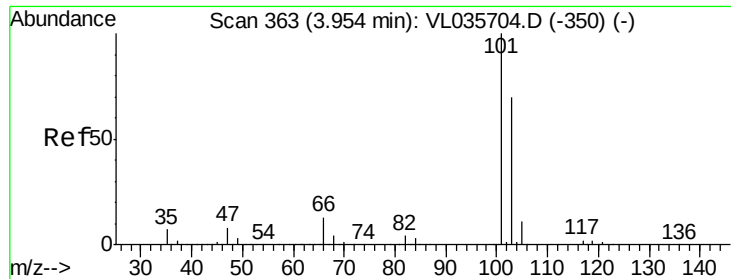
57 64.2 50.4 75.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





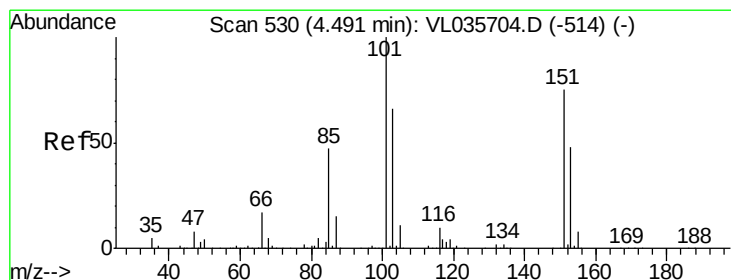
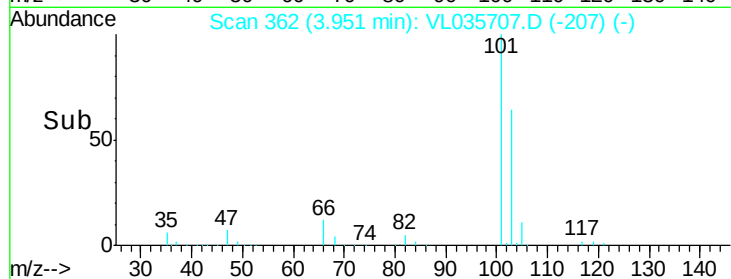
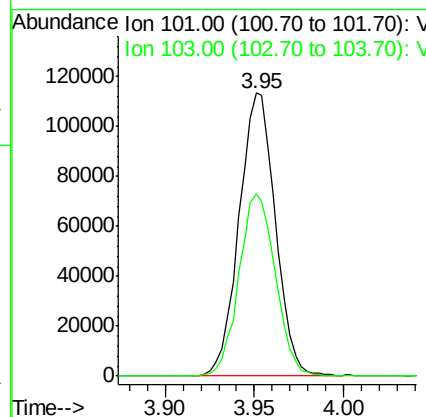
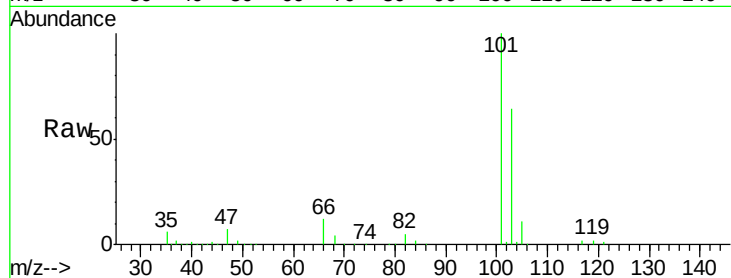
#11
 Trichlorofluoromethane
 Concen: 0.506 ppbv
 RT: 3.95 min Scan# 362
 Delta R.T. -0.00 min
 Lab File: VL035707.D
 Acq: 23 Sep 2020 5:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	55.6	83.4

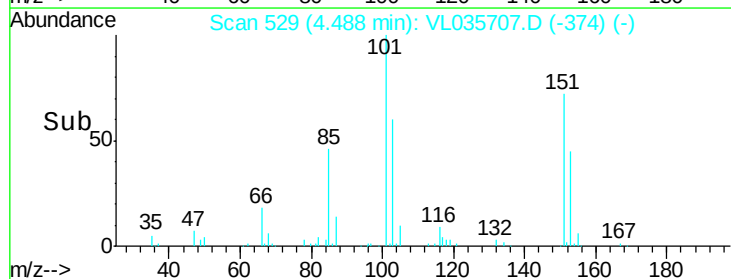
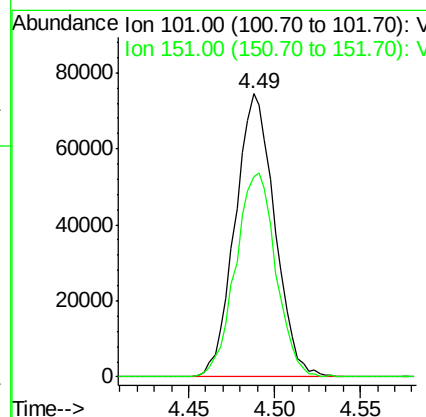
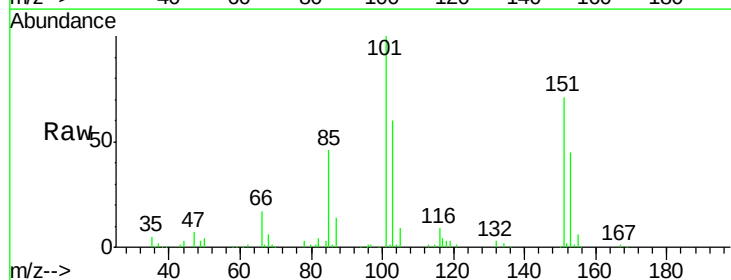
Manual Integrations
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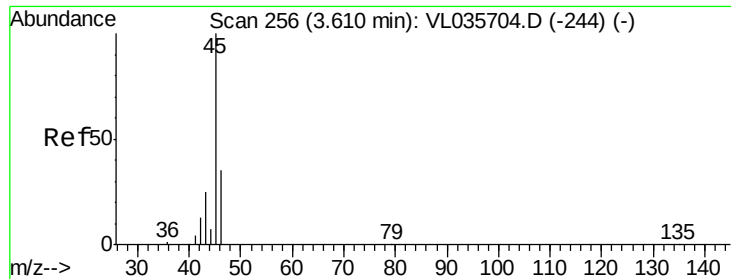
MMDadoda
 9/24/2020 1:35:17 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.496 ppbv
 RT: 4.49 min Scan# 529
 Delta R.T. -0.00 min
 Lab File: VL035707.D
 Acq: 23 Sep 2020 5:16

Tgt Ion	Ratio	Lower	Upper
101	100		
151	73.3	59.1	88.7





#13

Ethanol

Concen: 0.570 ppbv m

RT: 3.62 min Scan# 259

Delta R.T. 0.01 min

Lab File: VL035707.D

Acq: 23 Sep 2020 5:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 45 Resp: 7593

Ion Ratio Lower Upper

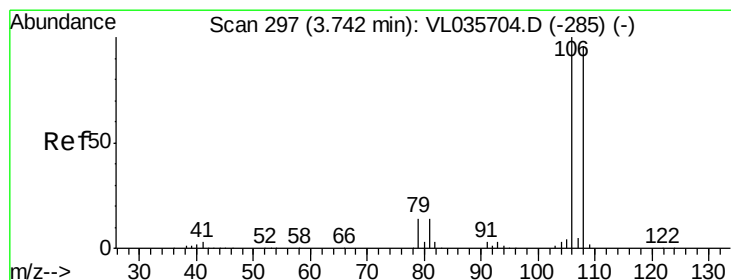
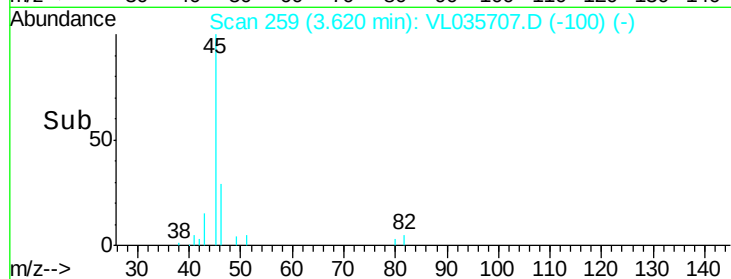
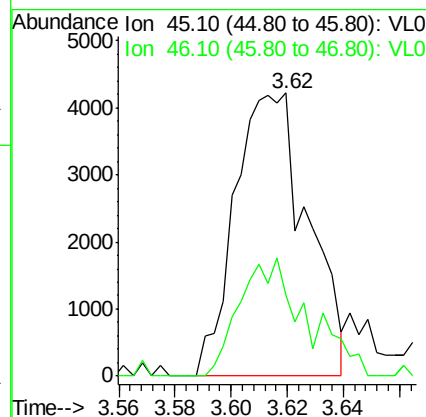
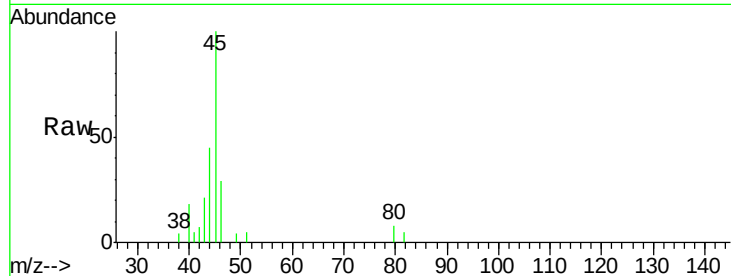
45 100

46 0.0 14.7 58.7#

Manual Integrations
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#14

Bromoethene

Concen: 0.451 ppbv

RT: 3.74 min Scan# 297

Delta R.T. 0.00 min

Lab File: VL035707.D

Acq: 23 Sep 2020 5:16

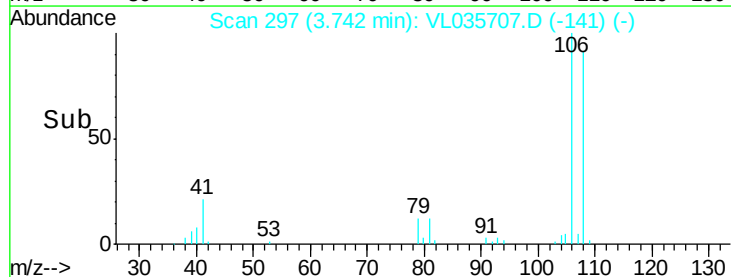
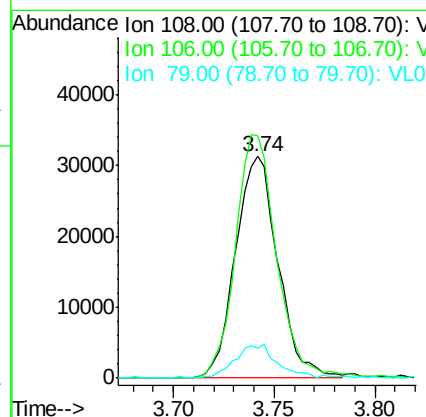
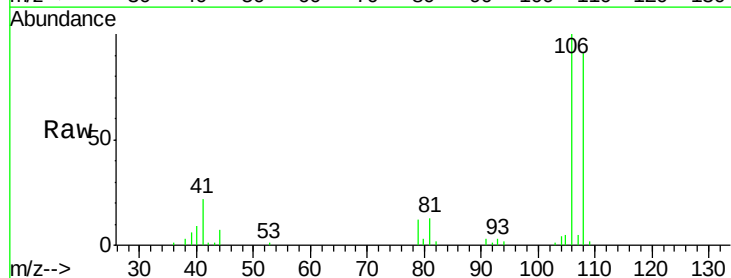
Tgt Ion: 108 Resp: 46235

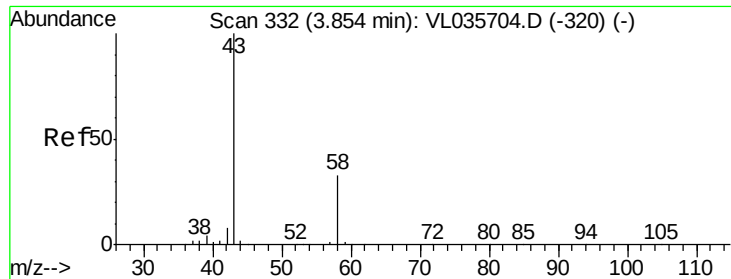
Ion Ratio Lower Upper

108 100

106 107.4 84.6 126.8

79 15.4 11.6 17.4





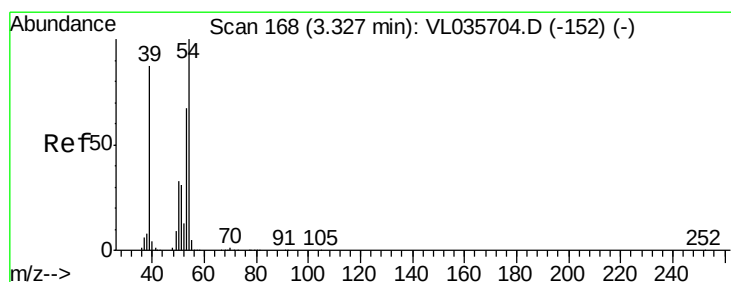
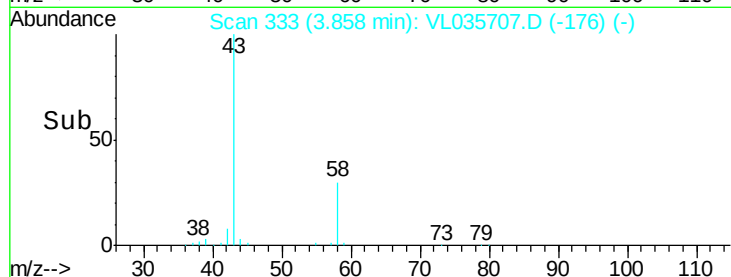
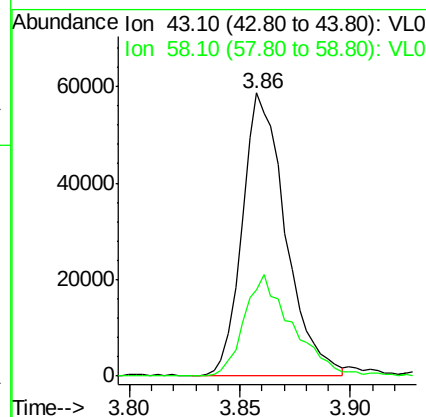
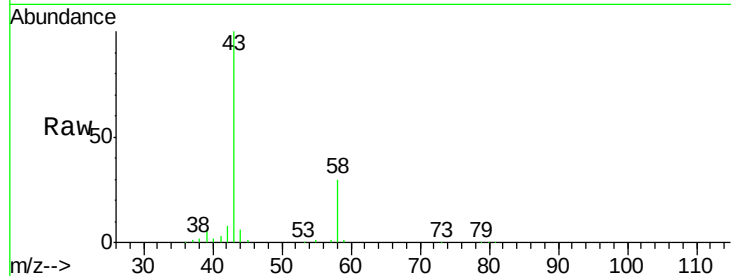
#15
Acetone
Concen: 0.579 ppbv
RT: 3.86 min Scan# 333
Delta R.T. 0.00 min
Lab File: VL035707.D
Acq: 23 Sep 2020 5:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 43 Resp: 80246
Ion Ratio Lower Upper
43 100
58 40.2 27.3 40.9

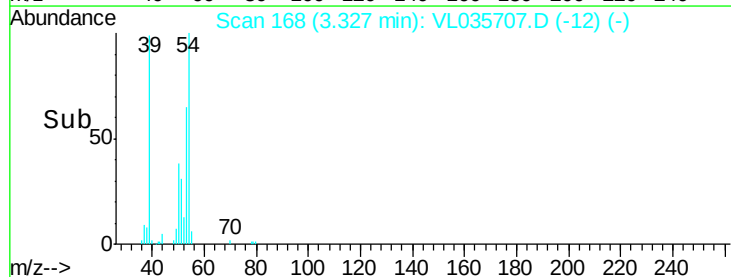
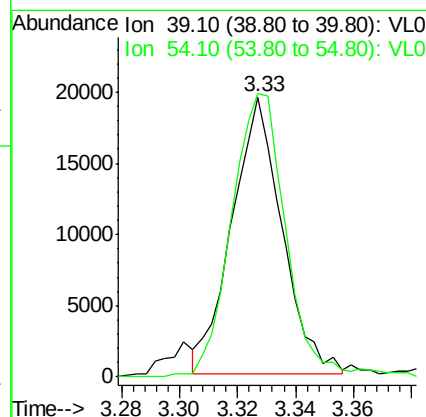
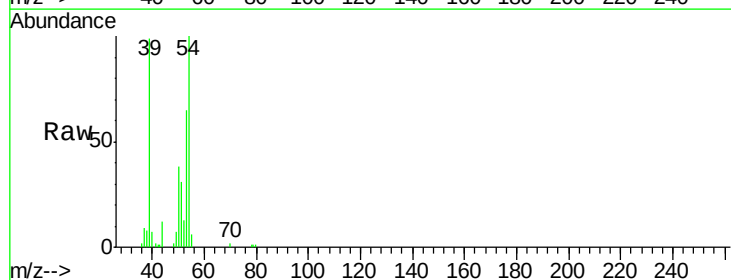
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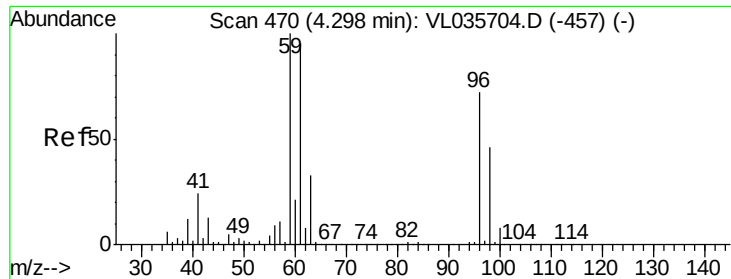
MMDadoda
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#16
1,3-Butadiene
Concen: 0.449 ppbv
RT: 3.33 min Scan# 168
Delta R.T. 0.00 min
Lab File: VL035707.D
Acq: 23 Sep 2020 5:16

Tgt Ion: 39 Resp: 23392
Ion Ratio Lower Upper
39 100
54 111.1 87.4 131.0





#17

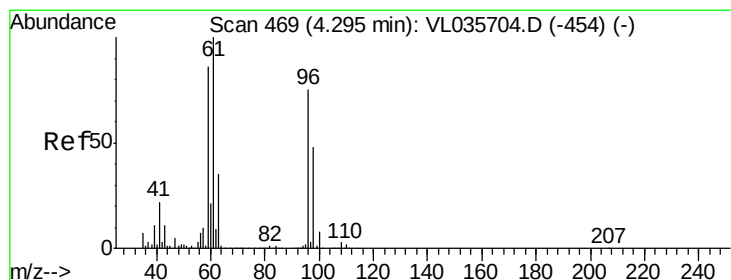
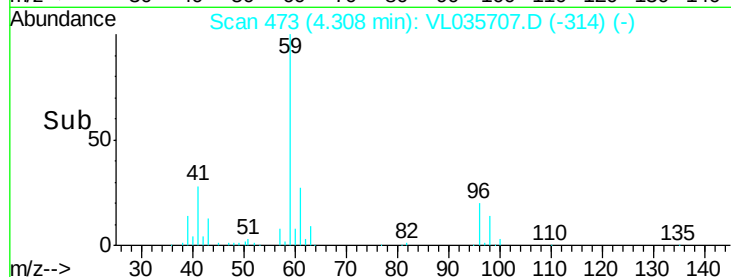
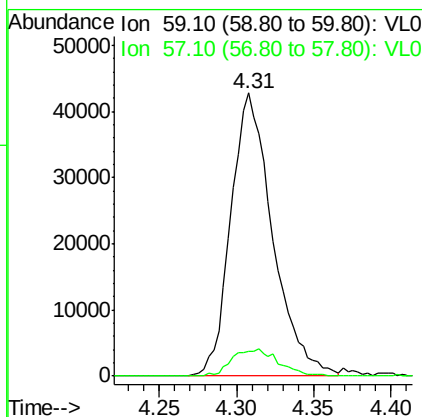
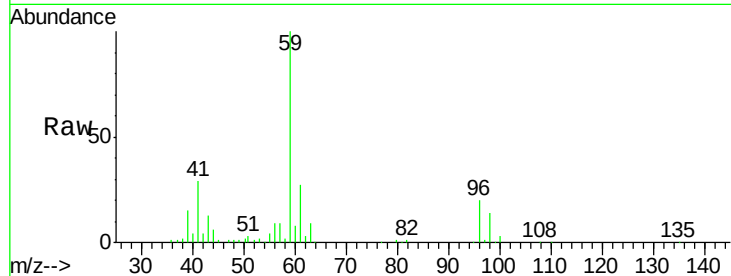
tert-Butyl alcohol
 Concen: 0.482 ppbv
 RT: 4.31 min Scan# 473
 Delta R.T. 0.01 min
 Lab File: VL035707.D
 Acq: 23 Sep 2020 5:16

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDIC0.5

Tot Ion	59.10	Resp	80328
Ion Ratio	Lower	Upper	
59	100		
57	10.4	8.5	12.7

Manual Integrations
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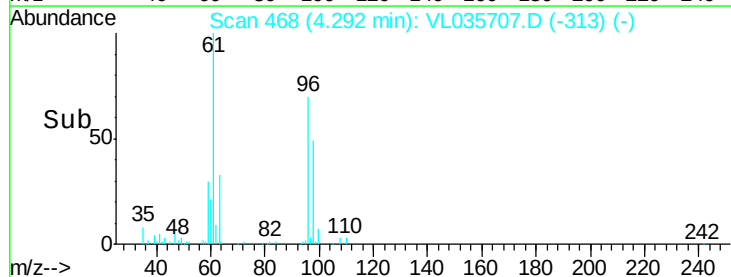
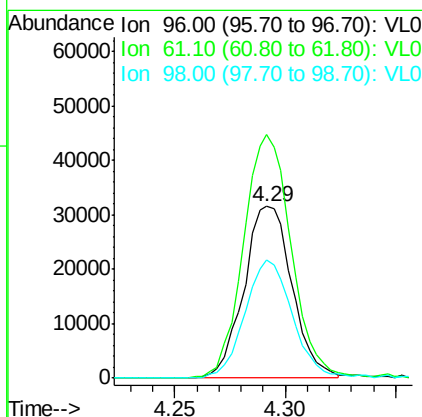
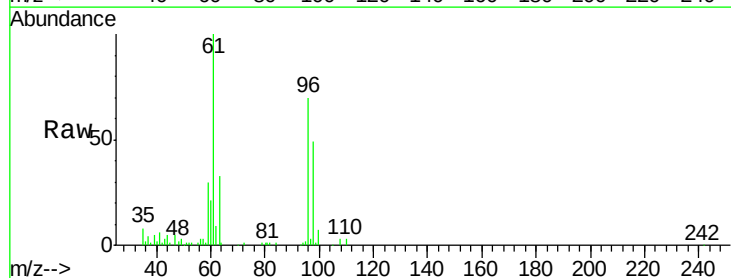
MMDadoda
 9/24/2020 1:35:17 PM

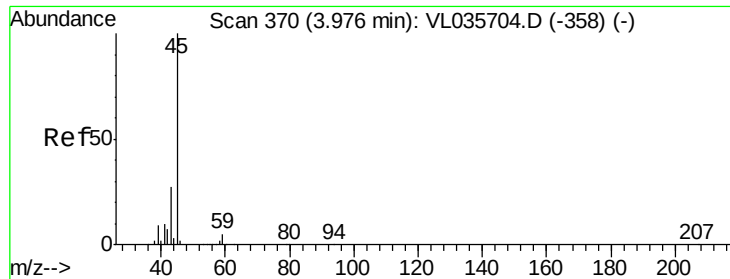


#18

1,1-Dichloroethene
 Concen: 0.454 ppbv
 RT: 4.29 min Scan# 468
 Delta R.T. -0.00 min
 Lab File: VL035707.D
 Acq: 23 Sep 2020 5:16

Tgt Ion	96.00	Resp	47894
Ion Ratio	Lower	Upper	
96	100		
61	142.1	106.7	160.1
98	69.1	50.8	76.2





#19

Isopropyl Alcohol

Concen: 0.529 ppbv

RT: 3.98 min Scan# 371

Delta R.T. 0.00 min

Lab File: VL035707.D

Acq: 23 Sep 2020 5:16

Tot Ion: 45 Resp: 43087

Ion Ratio Lower Upper

45 100

58 6.8 2.8 4.2#

Instrument :

MSVOA_L

ClientSampleId :

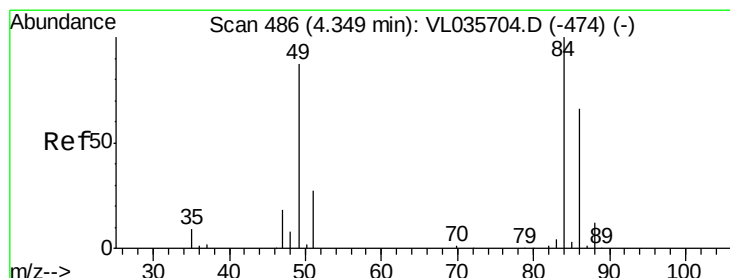
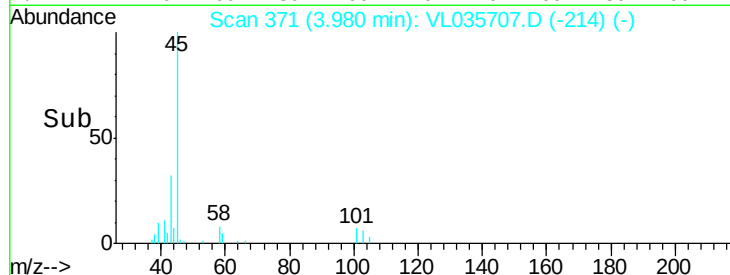
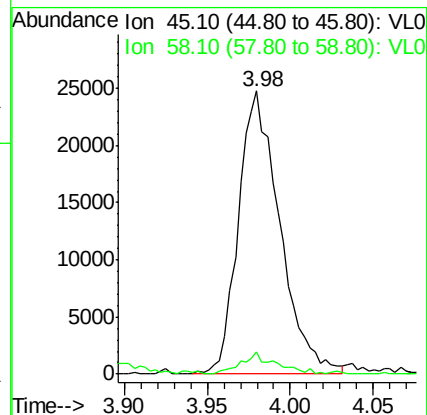
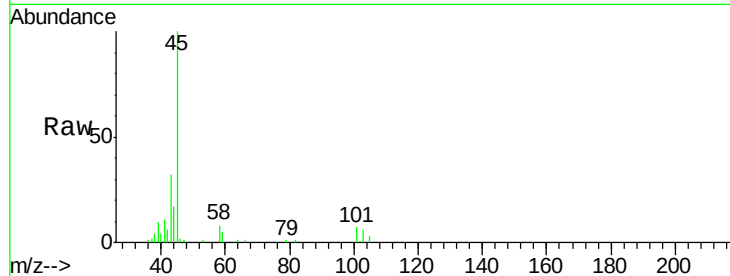
VSTDIC0.5

Manual Integrations

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#20

Methylene Chloride

Concen: 0.579 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.00 min

Lab File: VL035707.D

Acq: 23 Sep 2020 5:16

Tgt Ion: 84 Resp: 60398

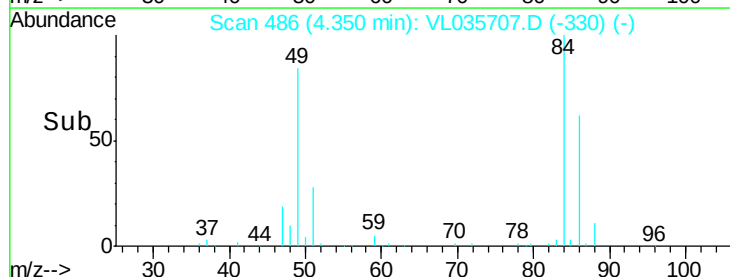
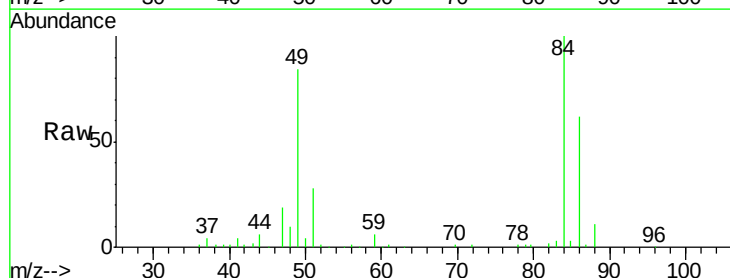
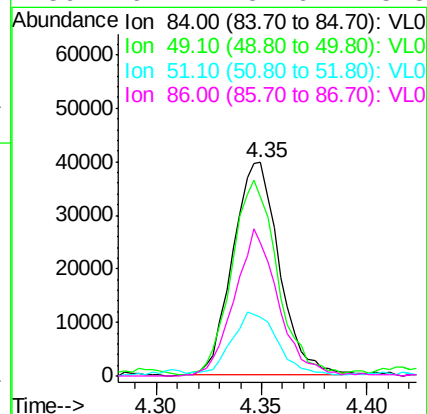
Ion Ratio Lower Upper

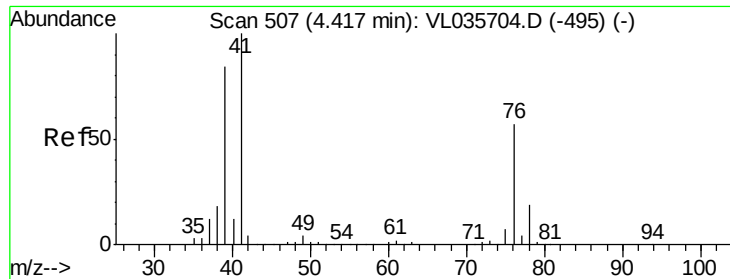
84 100

49 83.4 69.8 104.6

51 26.9 21.8 32.8

86 62.1 52.6 78.8





#21

Allvl Chloride

Concen: 0.488 ppbv

RT: 4.42 min Scan# 507

Delta R.T. 0.00 min

Lab File: VL035707.D

Acq: 23 Sep 2020 5:16

Instrument :

MSVOA_L

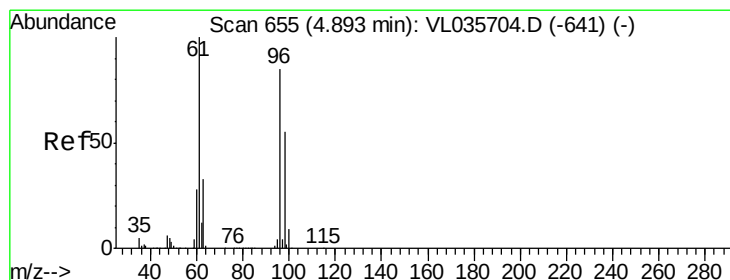
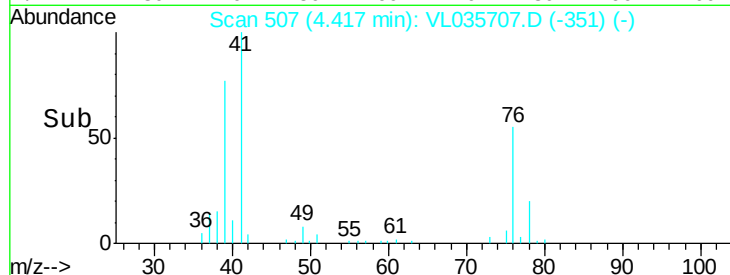
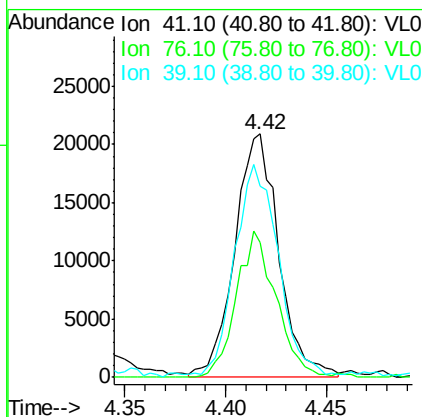
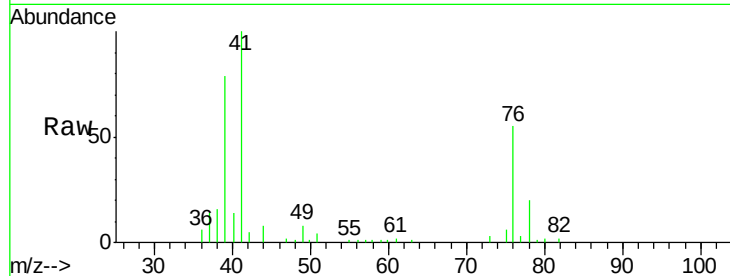
ClientSampleId :

VSTDIC0.5

Tot Ion:	41	Resp:	31999
Ion	Ratio	Lower	Upper
41	100		
76	54.6	44.8	67.2
39	85.3	68.4	102.6

Manual Integrations
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#22

trans-1,2-Dichloroethene

Concen: 0.468 ppbv

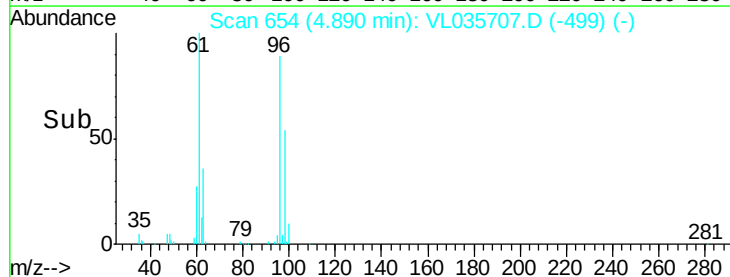
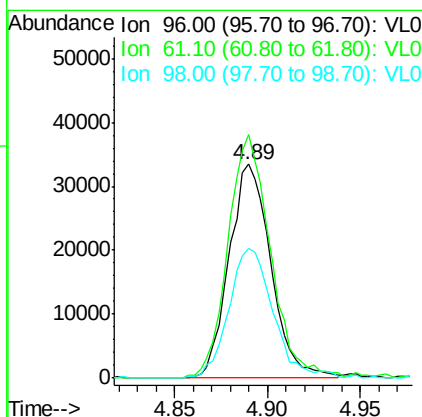
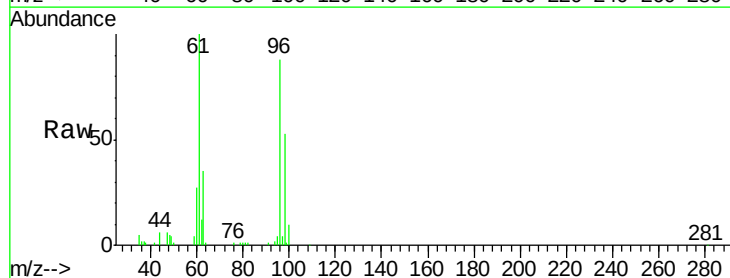
RT: 4.89 min Scan# 654

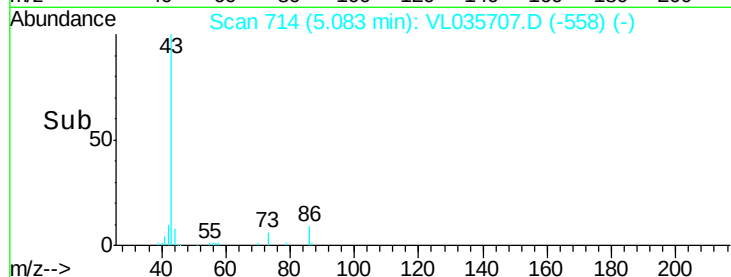
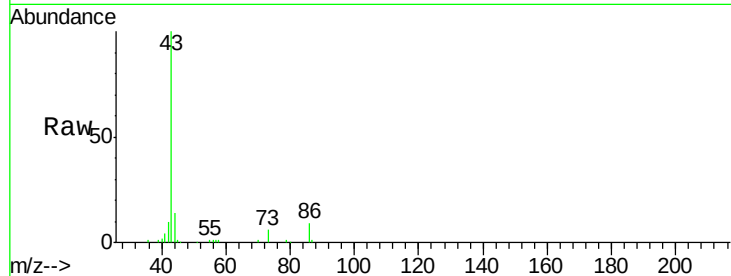
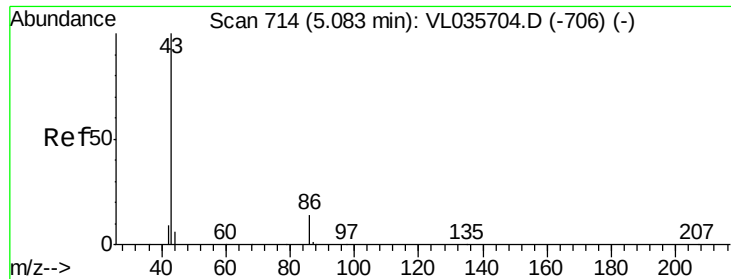
Delta R.T. -0.00 min

Lab File: VL035707.D

Acq: 23 Sep 2020 5:16

Tgt Ion:	96	Resp:	52562
Ion	Ratio	Lower	Upper
96	100		
61	112.3	93.7	140.5
98	59.9	51.2	76.8





#23

Vinyl Acetate

Concen: 0.414 ppbv m

RT: 5.08 min Scan# 714

Delta R.T. 0.00 min

Lab File: VL035707.D

Acq: 23 Sep 2020 5:16

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		73956		
86	9.1	9.7	14.5#		
42	10.2	7.9	11.9		
44	13.6	4.8	7.2#		

Instrument :

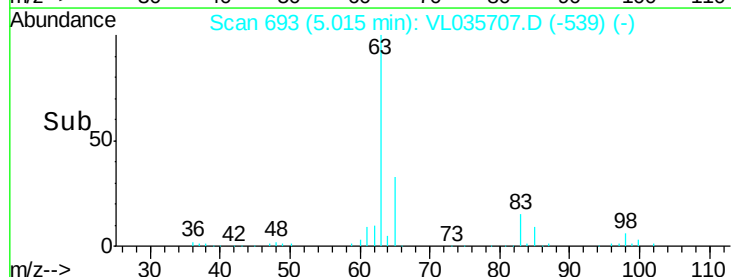
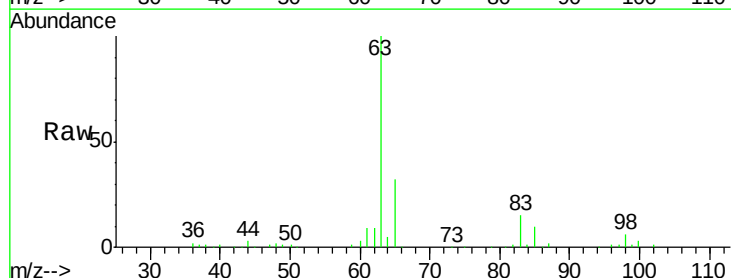
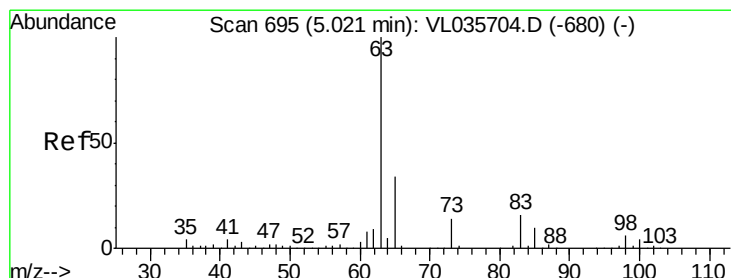
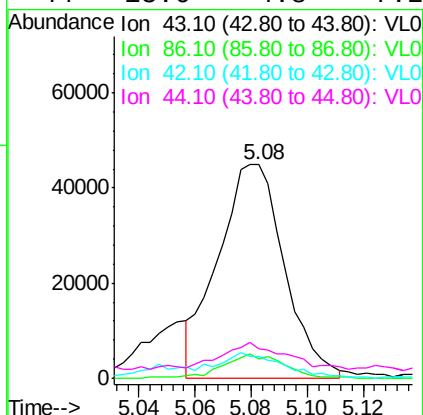
MSVOA_L

ClientSampleId :

VSTDIC0.5

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 0.523 ppbv

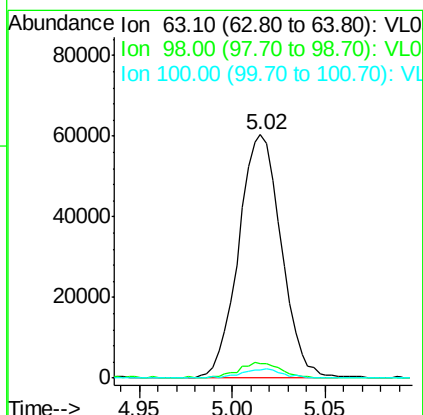
RT: 5.02 min Scan# 693

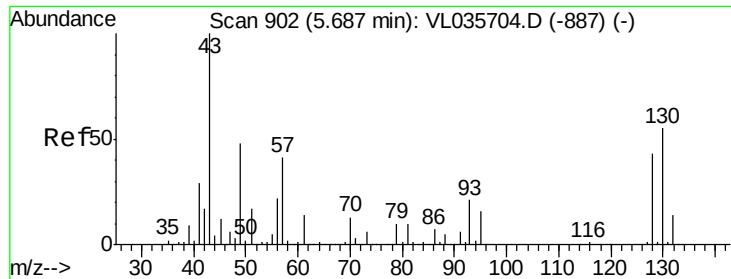
Delta R.T. -0.01 min

Lab File: VL035707.D

Acq: 23 Sep 2020 5:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
63	100		96586		
98	6.1	3.3	9.8		
100	3.4	2.0	5.8		





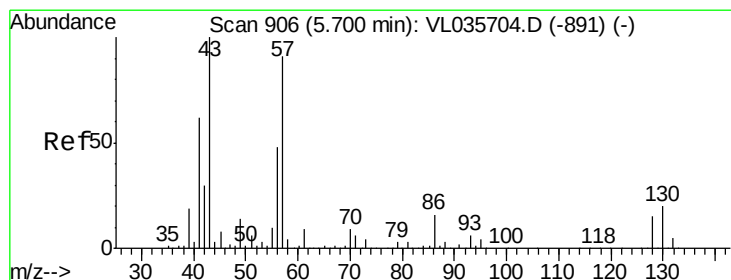
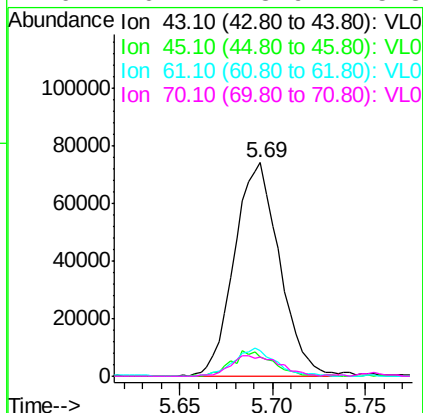
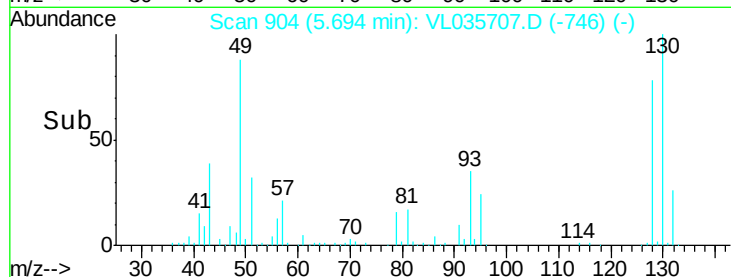
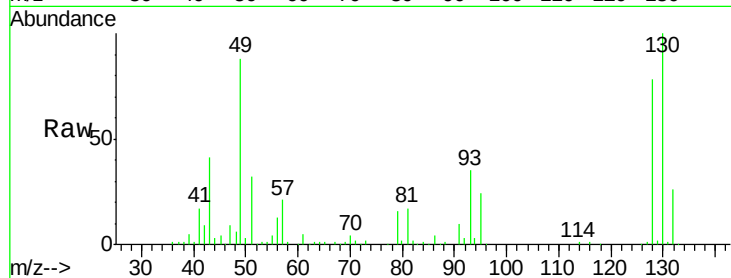
#25
Ethyl Acetate
Concen: 0.500 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.01 min
Lab File: VL035707.D
Acq: 23 Sep 2020 5:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
43	100		
45	11.0	8.6	12.8
61	12.3	10.4	15.6
70	10.7	8.9	13.3

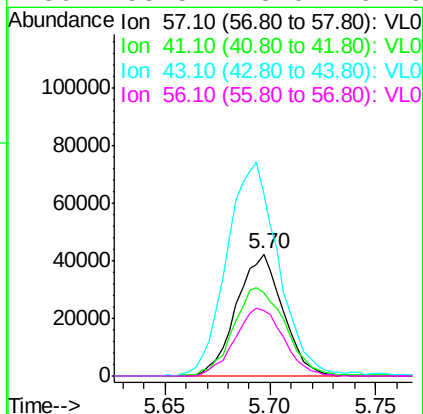
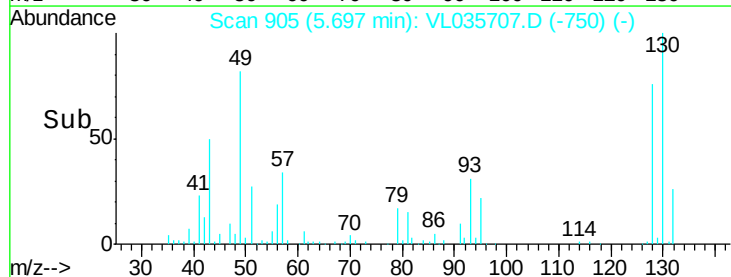
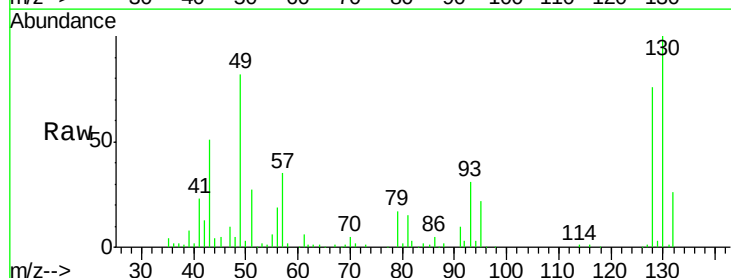
Manual Integrations
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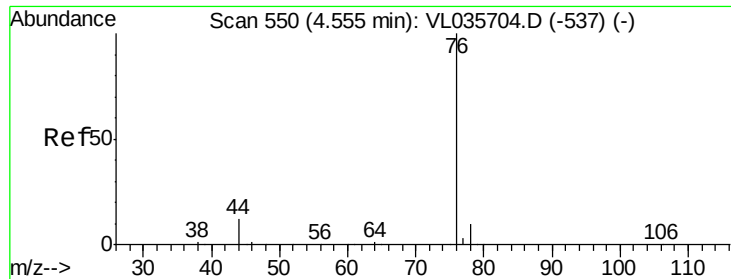
MMDadoda
9/24/2020 1:35:17 PM



#26
Hexane
Concen: 0.457 ppbv
RT: 5.70 min Scan# 905
Delta R.T. -0.00 min
Lab File: VL035707.D
Acq: 23 Sep 2020 5:16

Tgt Ion	Ratio	Lower	Upper
57	100		
41	81.2	57.9	86.9
43	198.1	143.8	215.6
56	58.5	43.0	64.6





#27

Carbon Disulfide

Concen: 0.451 ppbv

RT: 4.56 min Scan# 550

Delta R.T. 0.00 min

Lab File: VL035707.D

Acq: 23 Sep 2020 5:16

Instrument :

MSVOA_L

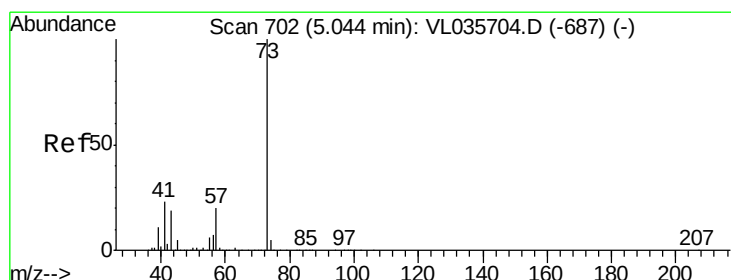
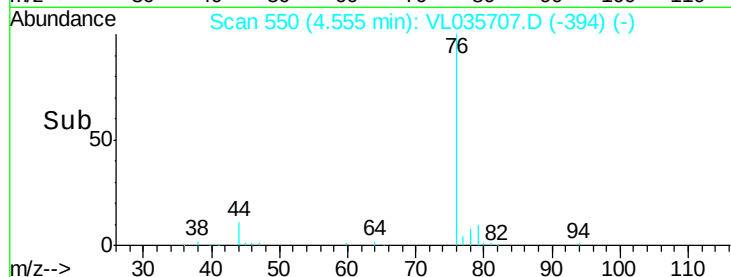
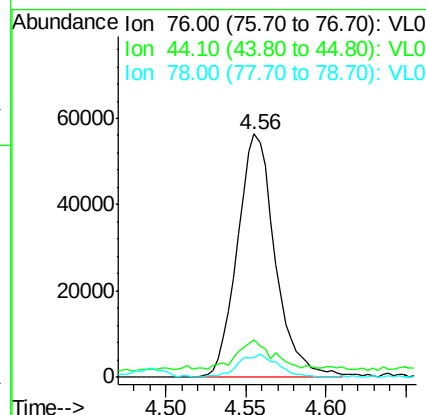
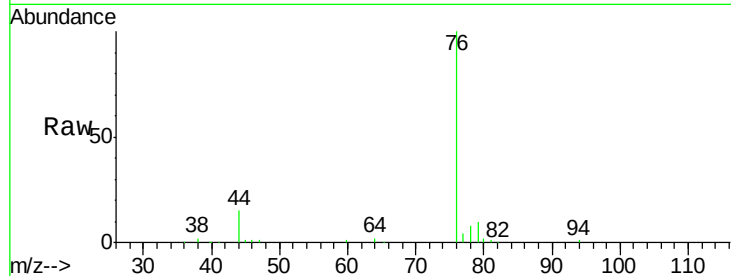
ClientSampleId :

VSTDIC0.5

Tot Ion:	76	Resp:	90605
Ion Ratio	Lower	Upper	
76	100		
44	13.7	9.7	14.5
78	10.0	7.8	11.8

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#28

Methyl tert-Butyl Ether

Concen: 0.399 ppbv

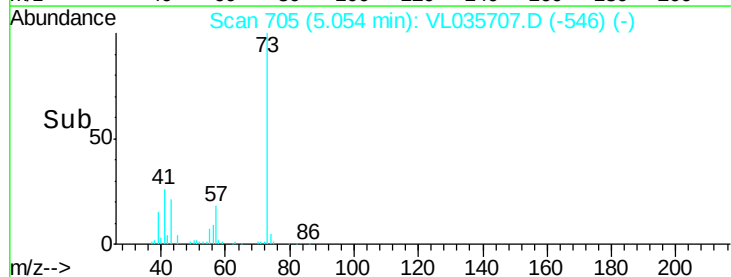
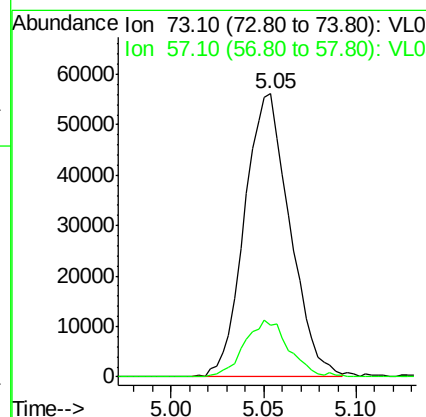
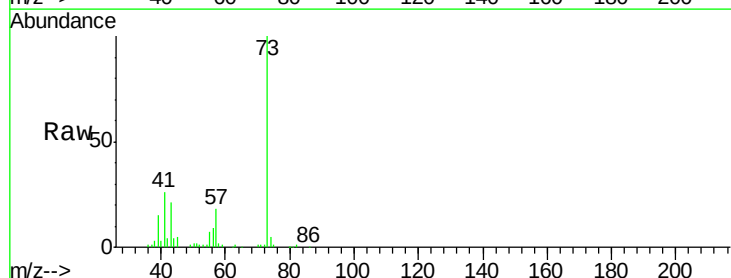
RT: 5.05 min Scan# 705

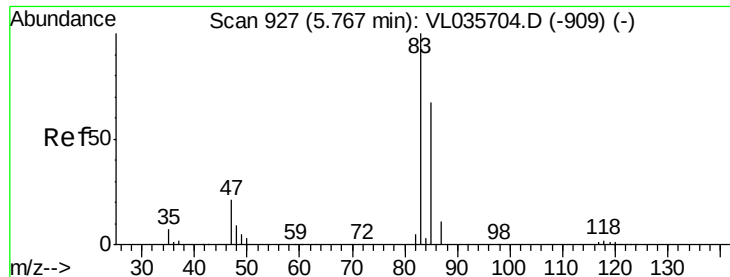
Delta R.T. 0.01 min

Lab File: VL035707.D

Acq: 23 Sep 2020 5:16

Tgt Ion:	73	Resp:	95700
Ion Ratio	Lower	Upper	
73	100		
57	19.8	15.6	23.4





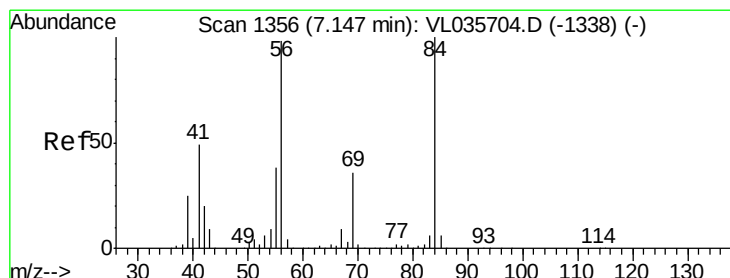
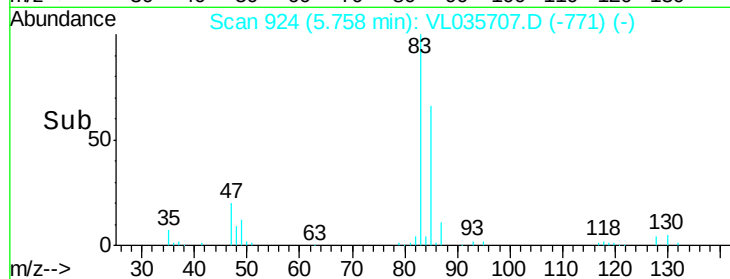
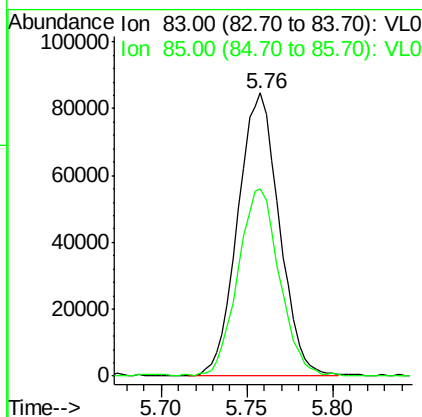
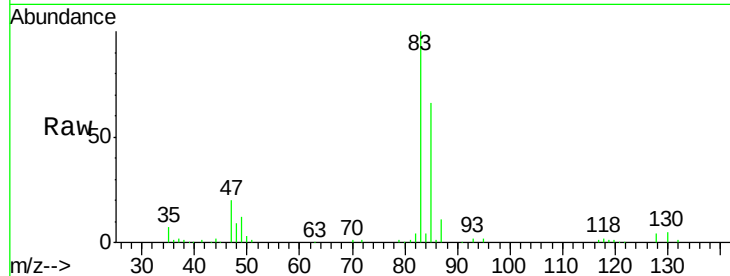
#29
Chloroform
Concen: 0.499 ppbv
RT: 5.76 min Scan# 924
Delta R.T. -0.01 min
Lab File: VL035707.D
Acq: 23 Sep 2020 5:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	83	Resp	142040
Ion Ratio	100	Lower	Upper
85	65.6	54.0	81.0

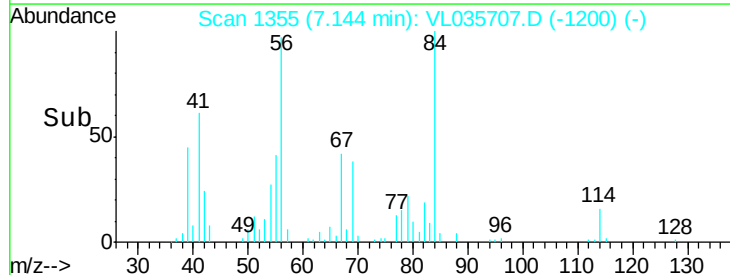
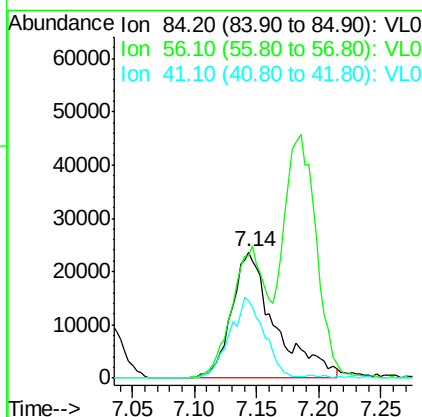
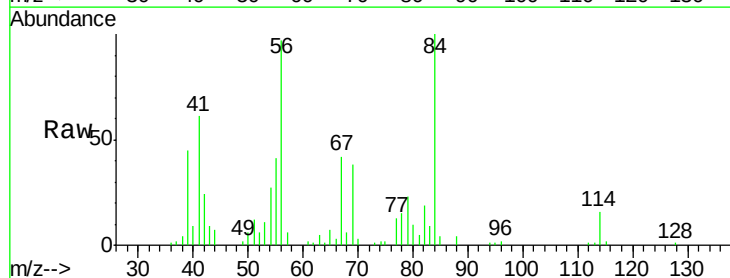
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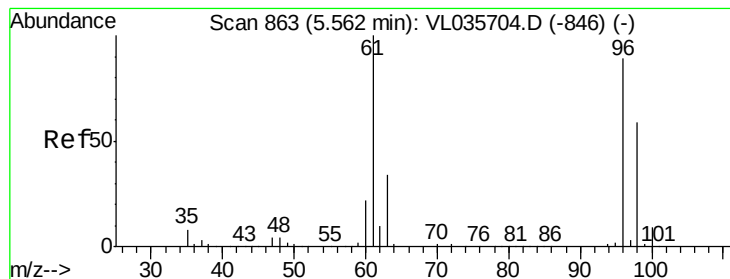
MMDadoda
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#30
Cyclohexane
Concen: 0.388 ppbv m
RT: 7.14 min Scan# 1355
Delta R.T. -0.00 min
Lab File: VL035707.D
Acq: 23 Sep 2020 5:16

Tgt Ion	84	Resp	57642
Ion Ratio	100	Lower	Upper
56	0.0	84.6	127.0#
41	51.9	41.1	61.7





#31

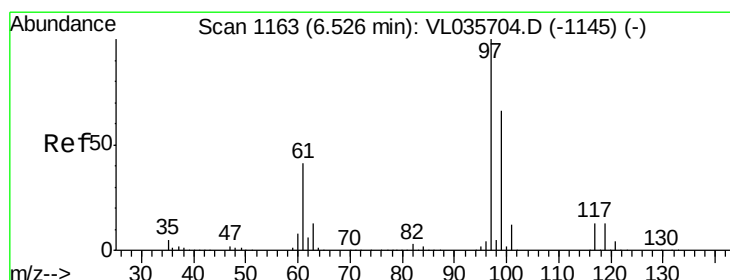
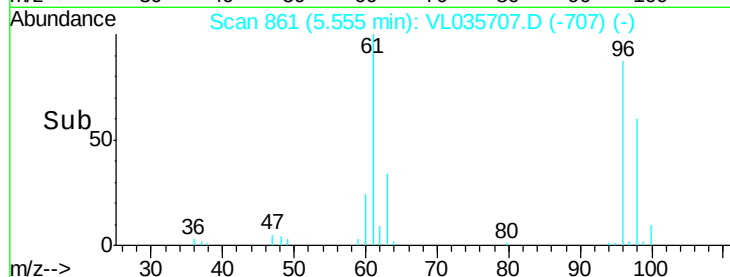
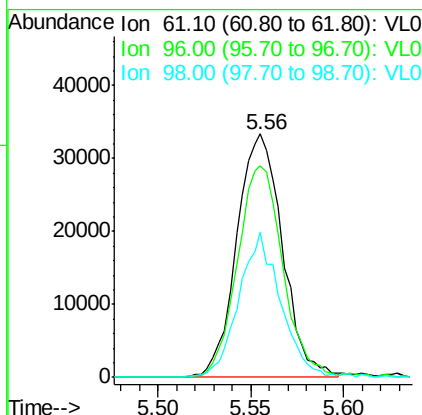
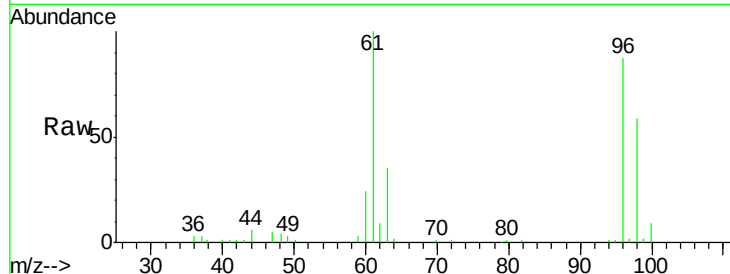
cis-1,2-Dichloroethene
Concen: 0.400 ppbv
RT: 5.56 min Scan# 861
Delta R.T. -0.01 min
Lab File: VL035707.D
Acq: 23 Sep 2020 5:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
61	100		
96	86.3	71.4	107.2
98	59.5	47.4	71.2

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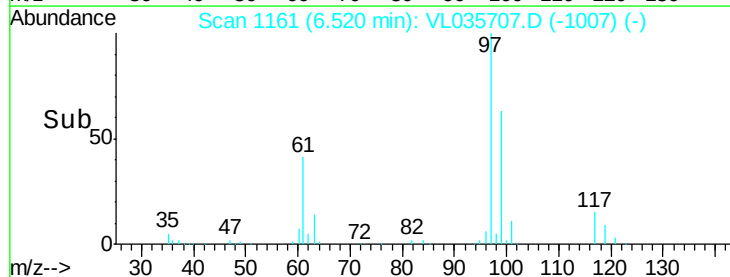
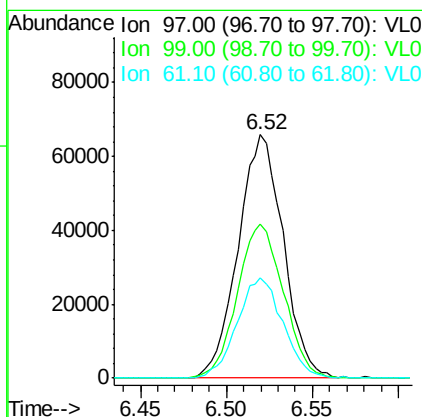
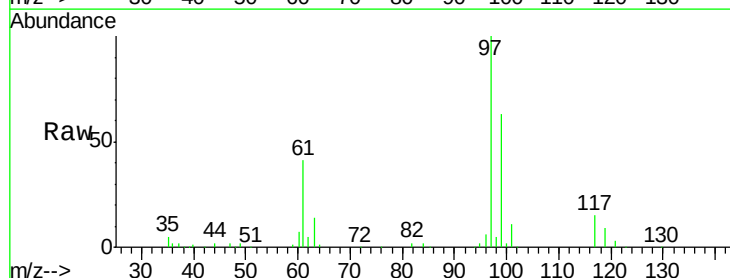
MMDadoda
9/24/2020 1:35:17 PM

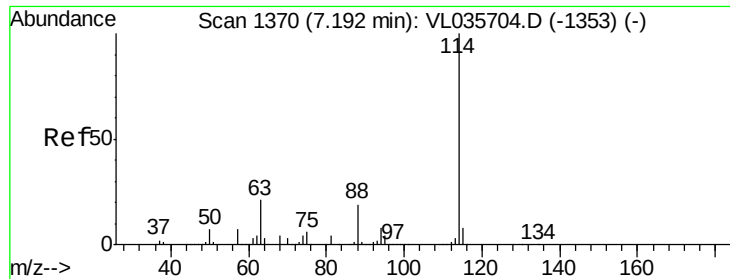


#32

1,1,1-Trichloroethane
Concen: 0.433 ppbv
RT: 6.52 min Scan# 1161
Delta R.T. -0.01 min
Lab File: VL035707.D
Acq: 23 Sep 2020 5:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	52.7	79.1
61	42.2	32.7	49.1





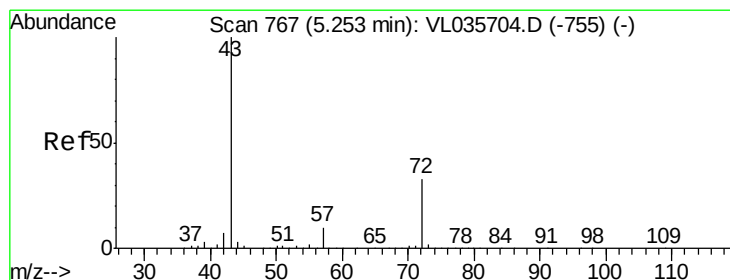
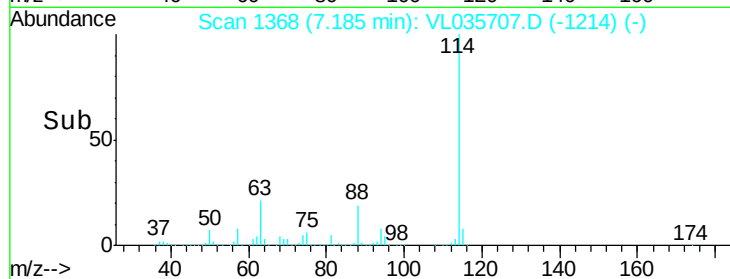
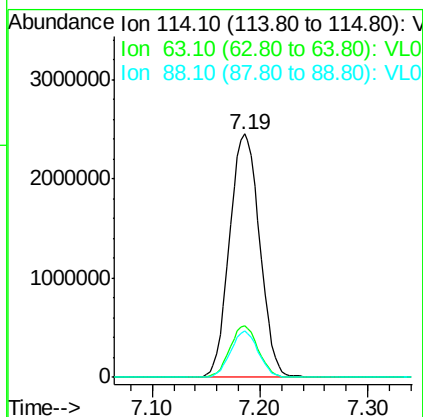
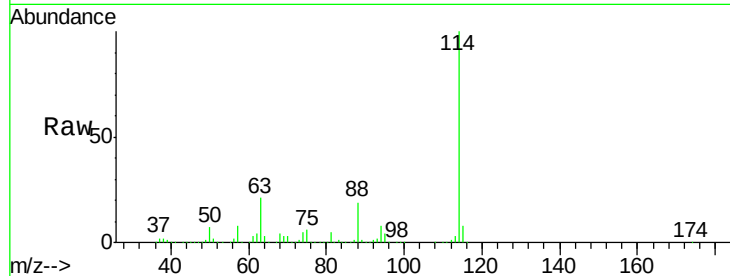
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. -0.01 min
 Lab File: VL035707.D
 Acq: 23 Sep 2020 5:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.1	16.1	24.1
88	17.7	14.1	21.1

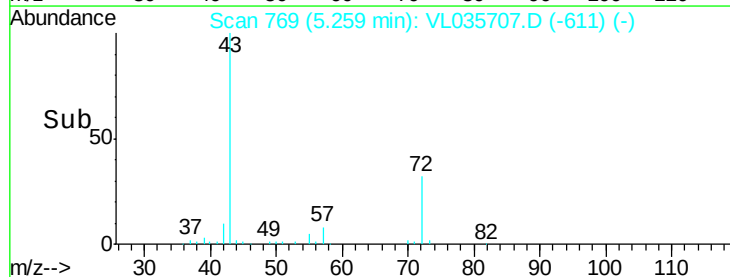
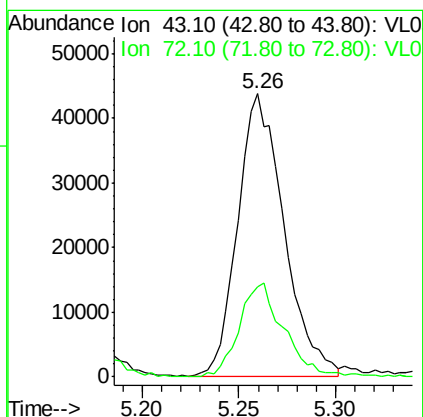
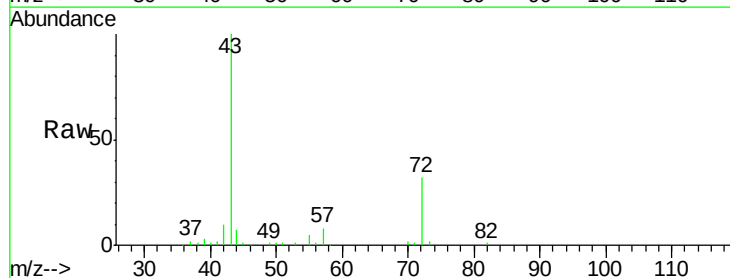
Manual Integrations
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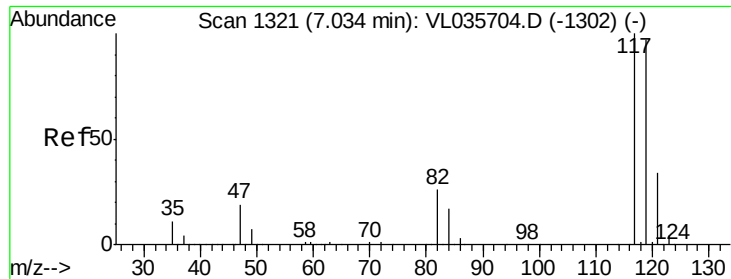
MMDadoda
 9/24/2020 1:35:17 PM



#34
 2-Butanone
 Concen: 0.497 ppbv
 RT: 5.26 min Scan# 769
 Delta R.T. 0.01 min
 Lab File: VL035707.D
 Acq: 23 Sep 2020 5:16

Tgt Ion	Ratio	Lower	Upper
43	100		
72	32.5	26.1	39.1





#35

Carbon Tetrachloride

Concen: 0.500 ppbv

RT: 7.03 min Scan# 1319

Delta R.T. -0.01 min

Lab File: VL035707.D

Acq: 23 Sep 2020 5:16

Instrument :

MSVOA_L

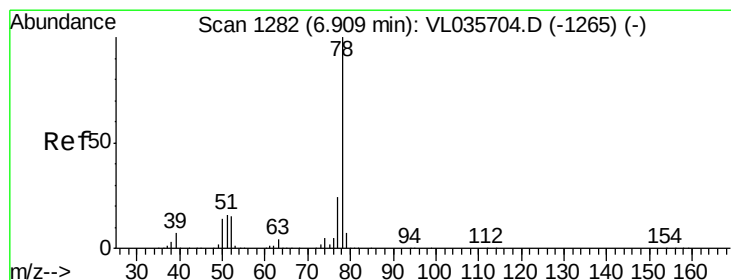
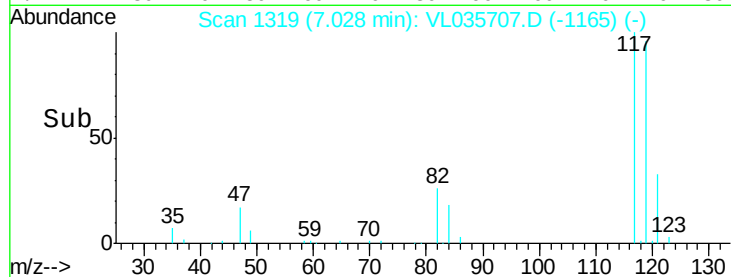
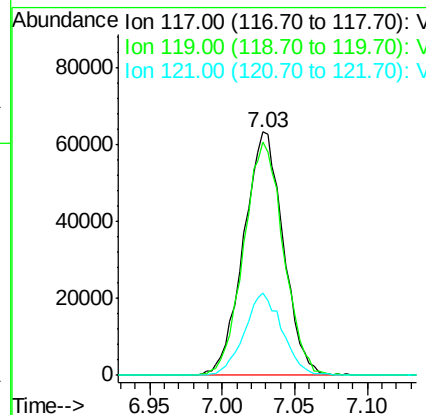
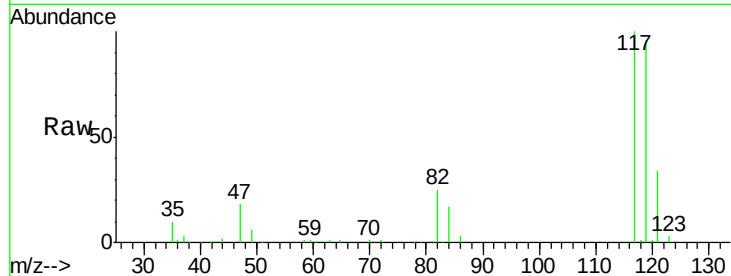
ClientSampleId :

VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.9	77.7	116.5
121	33.9	26.9	40.3

Manual Integrations
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#36

Benzene

Concen: 0.446 ppbv

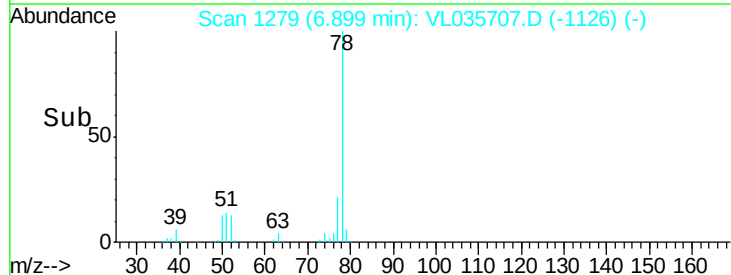
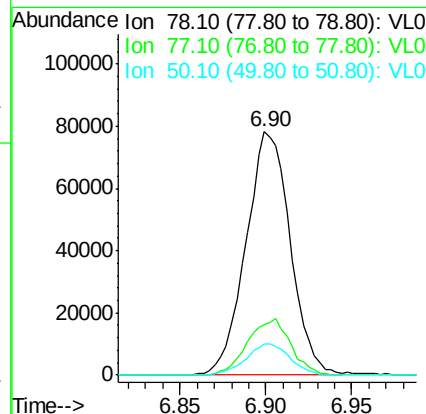
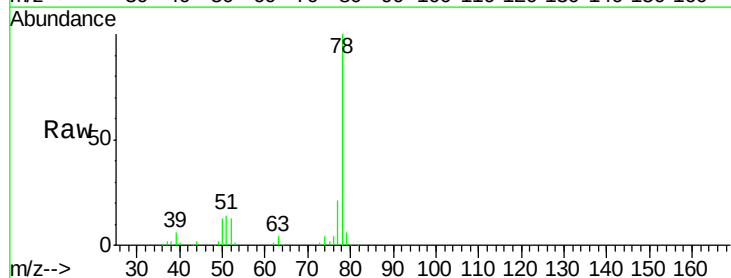
RT: 6.90 min Scan# 1279

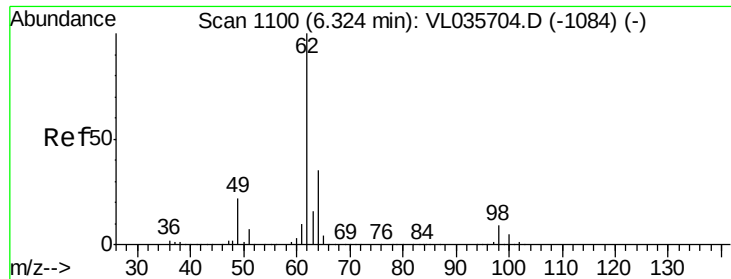
Delta R.T. -0.01 min

Lab File: VL035707.D

Acq: 23 Sep 2020 5:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	20.9	19.3	28.9
50	12.7	11.6	17.4





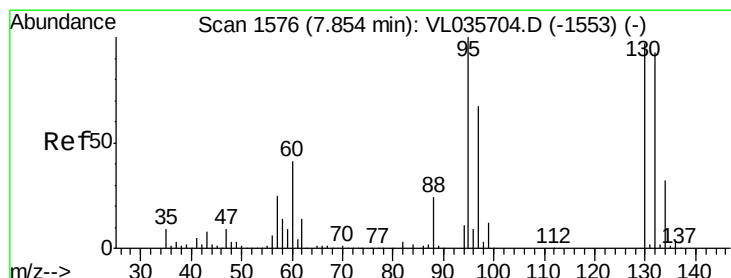
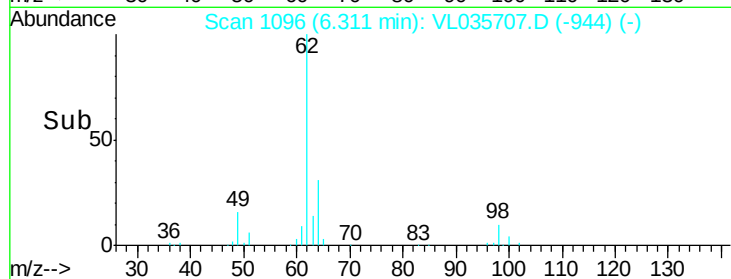
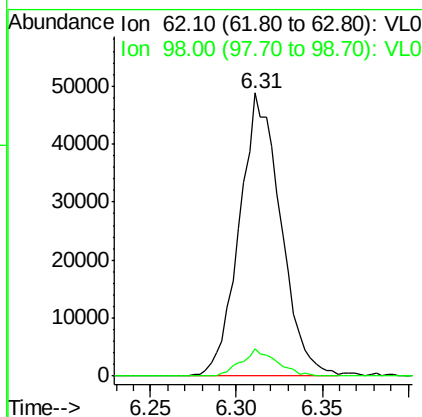
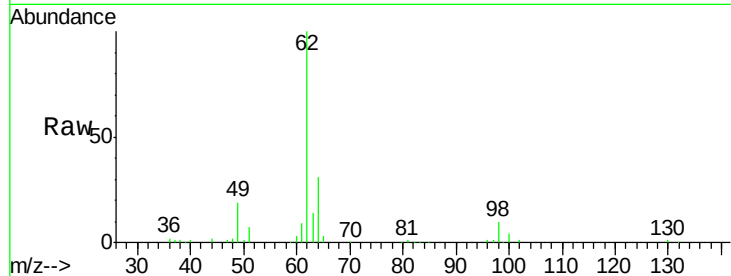
#37
 1,2-Dichloroethane
 Concen: 0.540 ppbv
 RT: 6.31 min Scan# 1096
 Delta R.T. -0.01 min
 Lab File: VL035707.D
 Acq: 23 Sep 2020 5:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
62	100	81430		
98	8.3		6.9	10.3

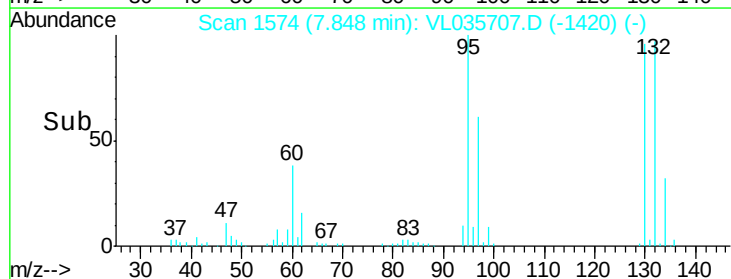
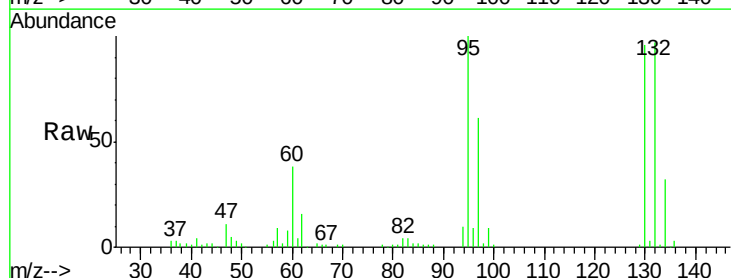
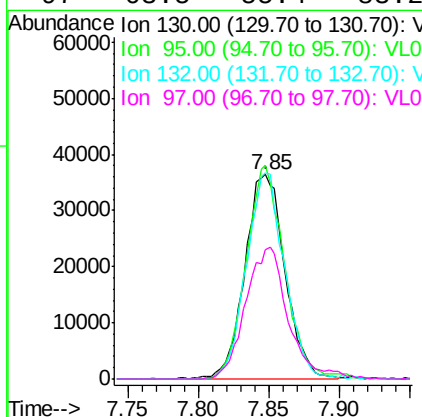
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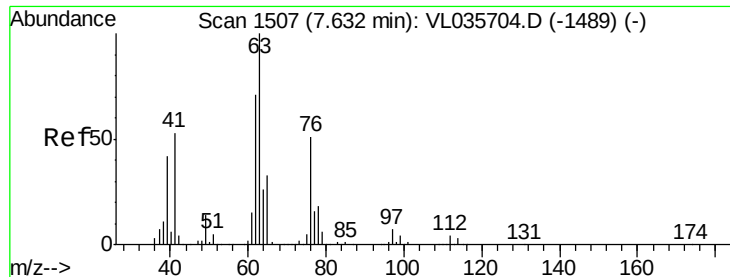
MMDadoda
 9/24/2020 1:35:17 PM



#38
 Trichloroethene
 Concen: 0.403 ppbv
 RT: 7.85 min Scan# 1574
 Delta R.T. -0.01 min
 Lab File: VL035707.D
 Acq: 23 Sep 2020 5:16

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	72450		
95	104.6		82.4	123.6
132	101.2		76.8	115.2
97	63.5		55.4	83.2





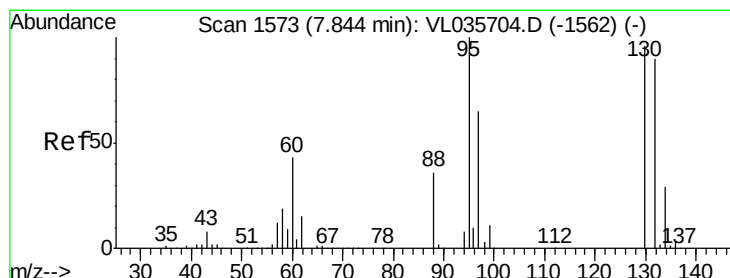
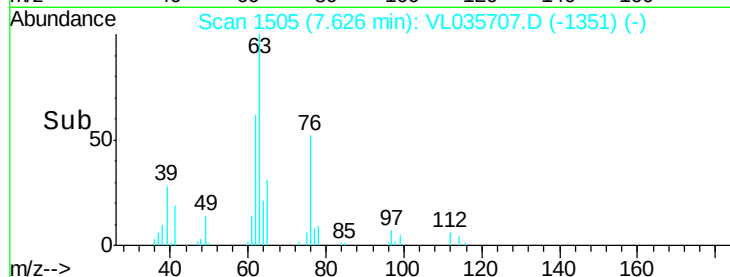
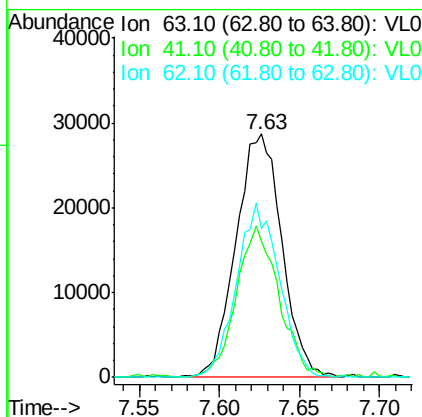
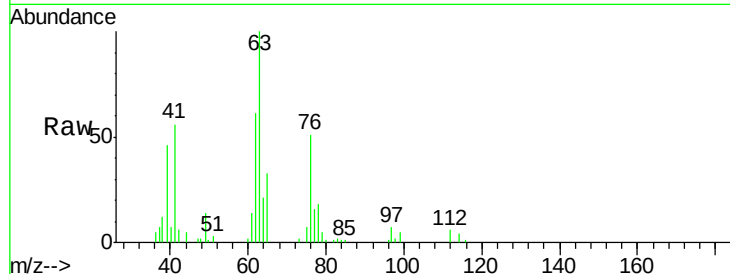
#39
 1,2-Dichloropropane
 Concen: 0.527 ppbv
 RT: 7.63 min Scan# 1505
 Delta R.T. -0.01 min
 Lab File: VL035707.D
 Acq: 23 Sep 2020 5:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
63	100		
41	55.8	42.6	63.8
62	61.3	56.5	84.7

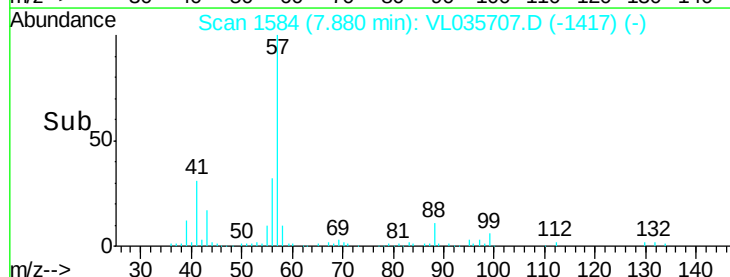
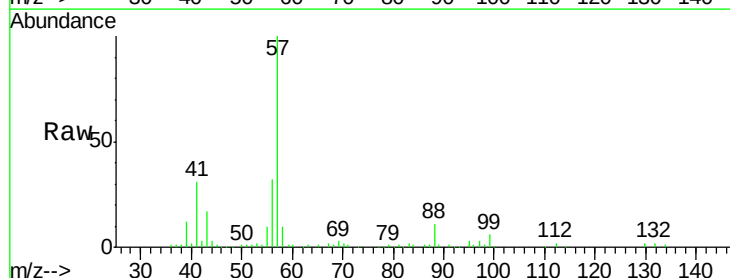
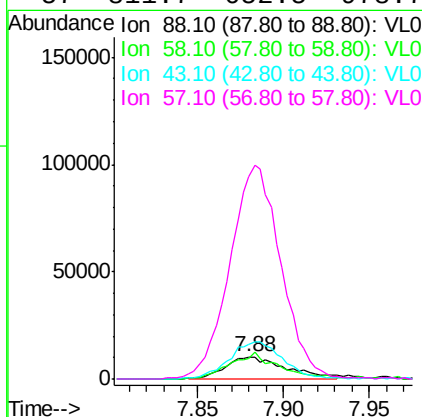
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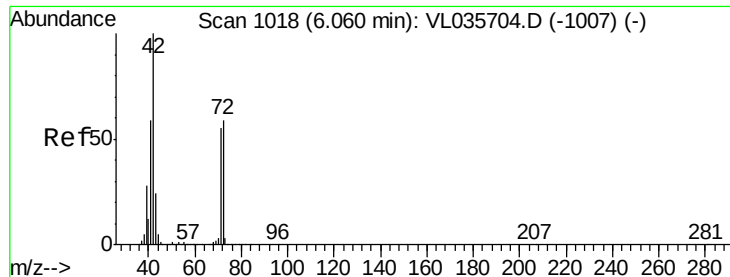
MMDadoda
 9/24/2020 1:35:17 PM



#40
 1,4-Dioxane
 Concen: 0.493 ppbv m
 RT: 7.88 min Scan# 1584
 Delta R.T. 0.04 min
 Lab File: VL035707.D
 Acq: 23 Sep 2020 5:16

Tgt Ion	Ratio	Lower	Upper
88	100		
58	104.7	76.2	114.4
43	150.0	123.4	185.2
57	811.7	652.5	978.7





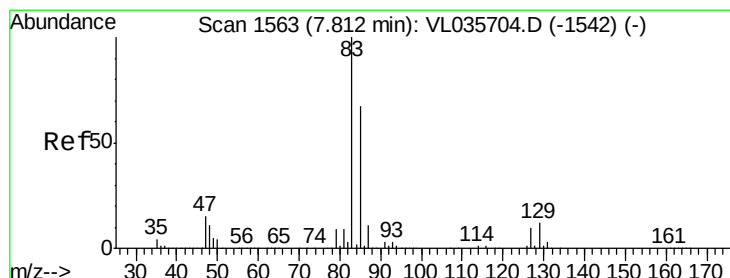
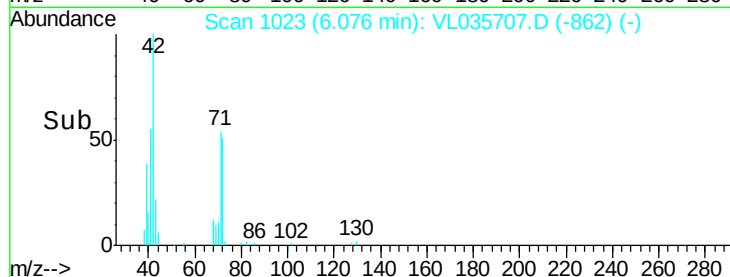
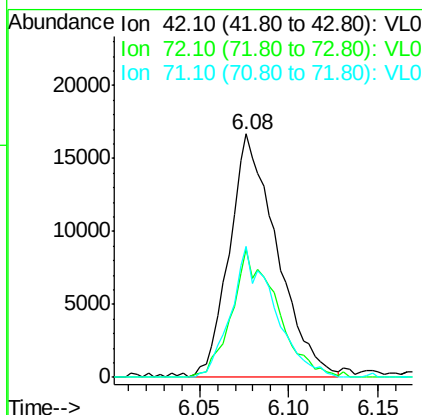
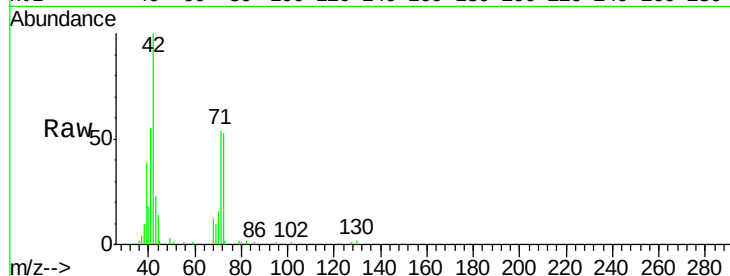
#41
Tetrahydrofuran
Concen: 0.402 ppbv
RT: 6.08 min Scan# 1023
Delta R.T. 0.02 min
Lab File: VL035707.D
Acq: 23 Sep 2020 5:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.0	46.2	69.4
71	49.1	44.2	66.4

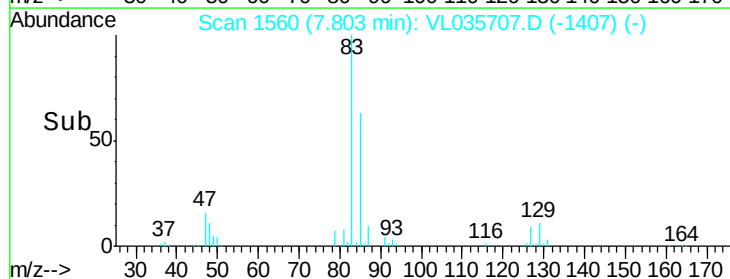
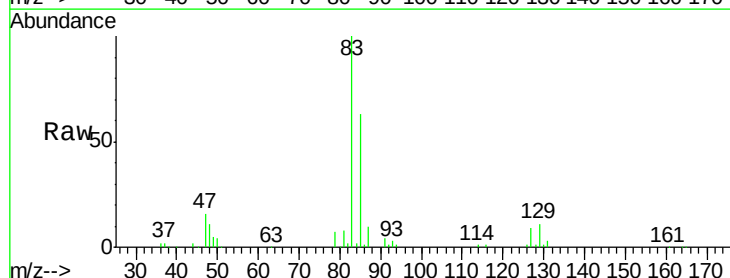
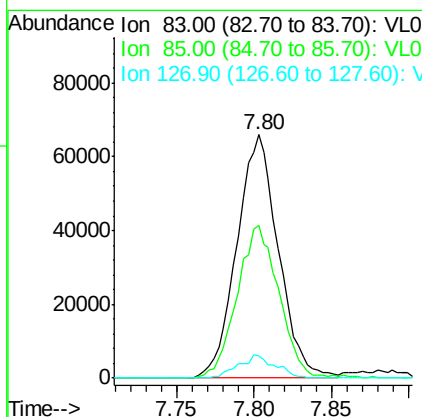
Manual Integrations
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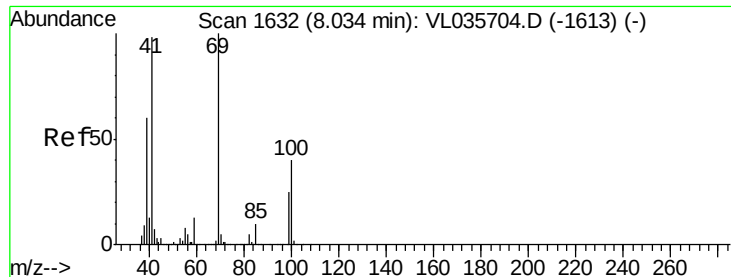
MMDadoda
9/24/2020 1:35:17 PM



#42
Bromodichloromethane
Concen: 0.506 ppbv
RT: 7.80 min Scan# 1560
Delta R.T. -0.01 min
Lab File: VL035707.D
Acq: 23 Sep 2020 5:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.6	53.4	80.0
127	9.0	7.8	11.6





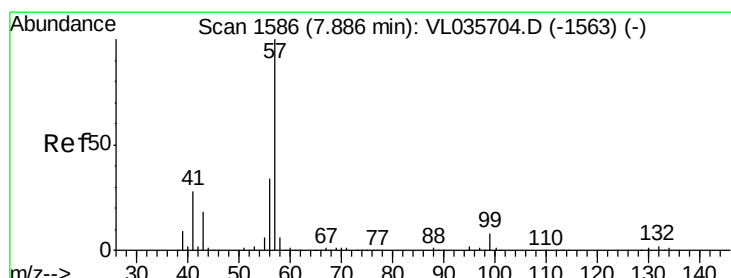
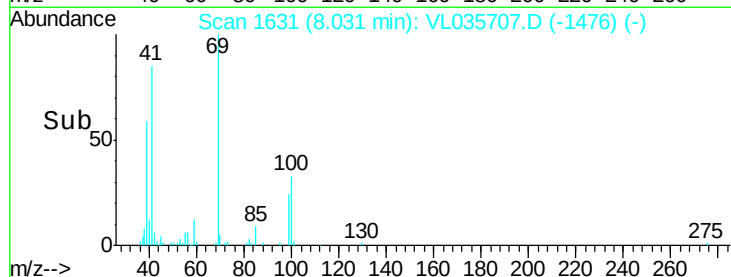
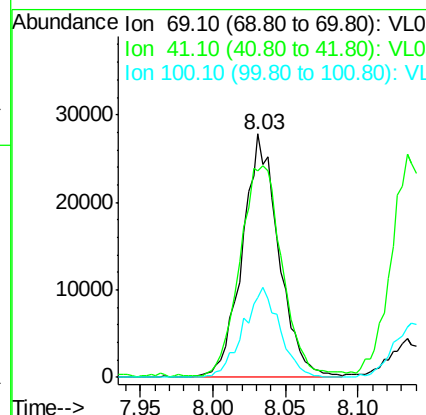
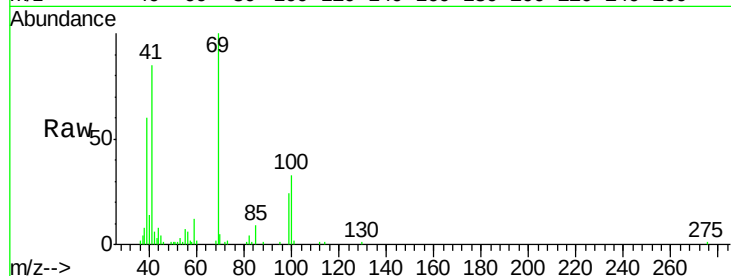
#43
Methyl Methacrylate
Concen: 0.398 ppbv
RT: 8.03 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VL035707.D
Acq: 23 Sep 2020 5:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
69	100		
41	103.0	79.8	119.6
100	37.1	30.6	46.0

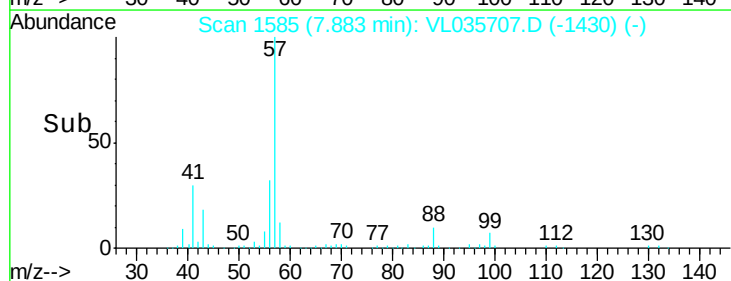
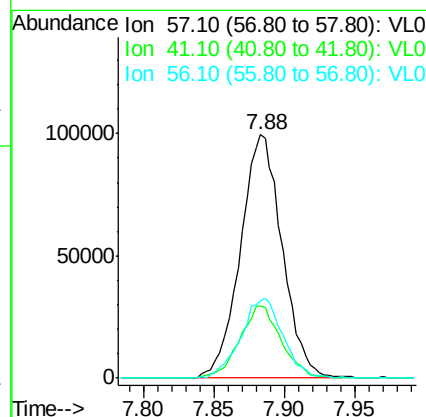
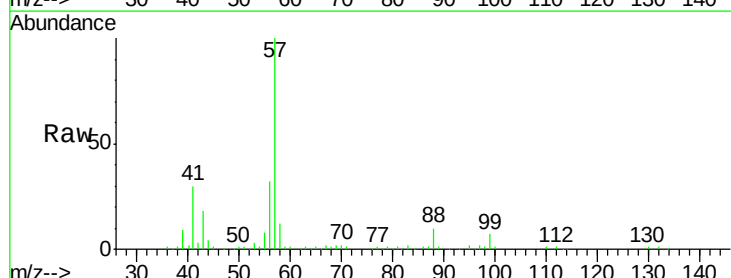
Manual Integrations
APPROVED

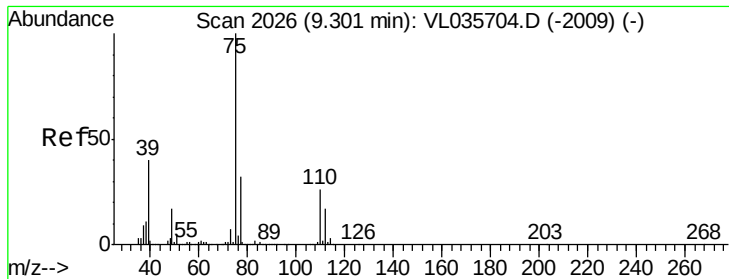
MMDadoda
9/24/2020 1:35:17 PM



#44
2,2,4-Trimethylpentane
Concen: 0.489 ppbv
RT: 7.88 min Scan# 1585
Delta R.T. -0.00 min
Lab File: VL035707.D
Acq: 23 Sep 2020 5:16

Tgt Ion	Ratio	Lower	Upper
57	100		
41	30.0	21.2	31.8
56	33.3	25.8	38.8





#45

t-1,3-Dichloropropene

Concen: 0.353 ppbv

RT: 9.29 min Scan# 2024

Delta R.T. -0.01 min

Lab File: VL035707.D

Acq: 23 Sep 2020 5:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 75 Resp: 43476

Ion Ratio Lower Upper

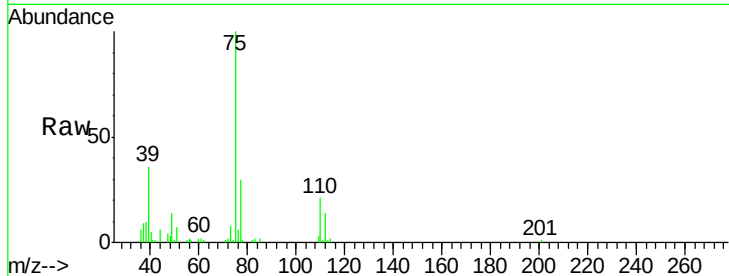
75 100

77 29.6 25.9 38.9

Manual Integrations
APPROVED

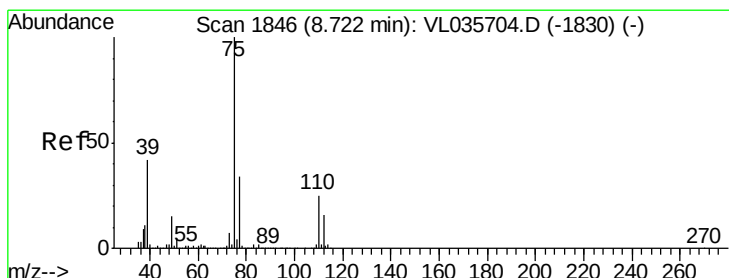
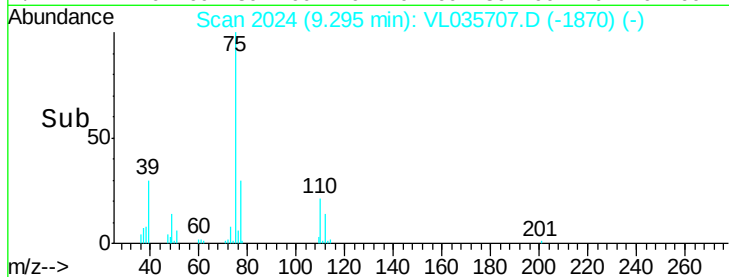
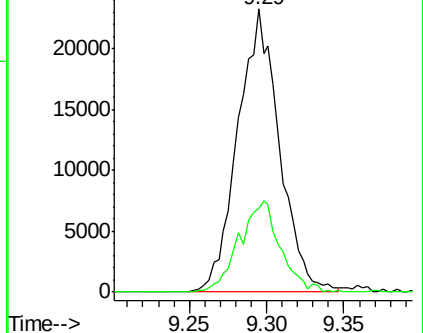
MMDadoda

9/24/2020 1:35:17 PM



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 0.376 ppbv

RT: 8.72 min Scan# 1844

Delta R.T. -0.01 min

Lab File: VL035707.D

Acq: 23 Sep 2020 5:16

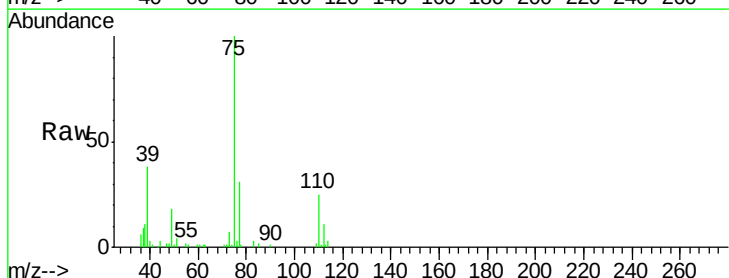
Tgt Ion: 75 Resp: 57567

Ion Ratio Lower Upper

75 100

39 36.6 33.9 50.9

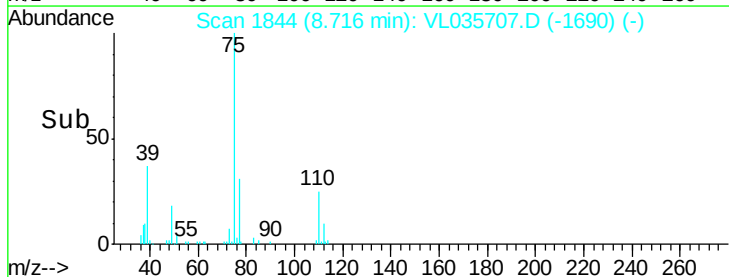
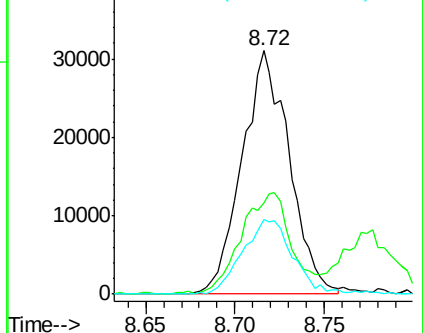
77 30.5 27.4 41.0

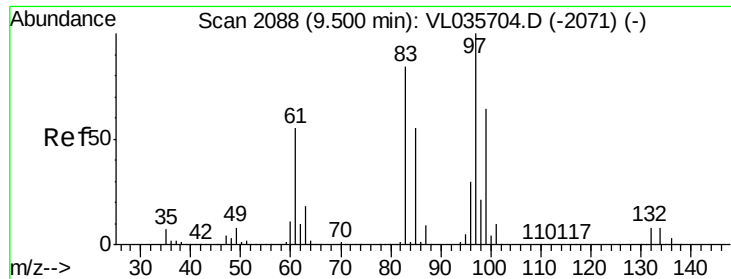


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





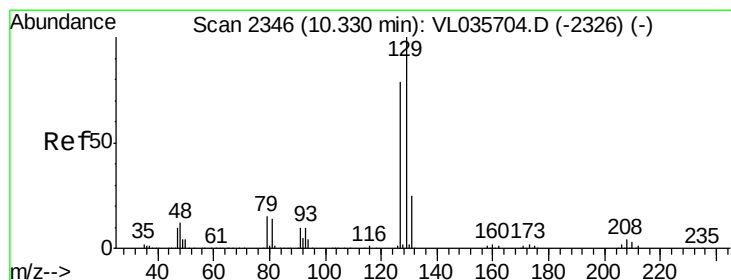
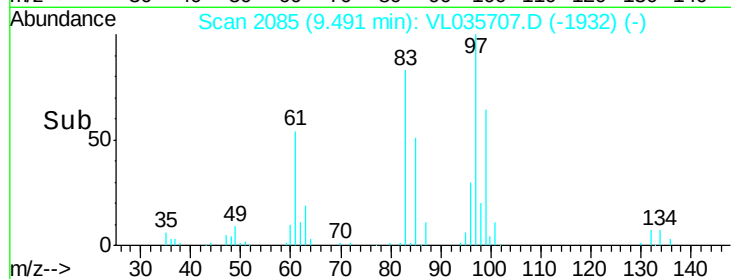
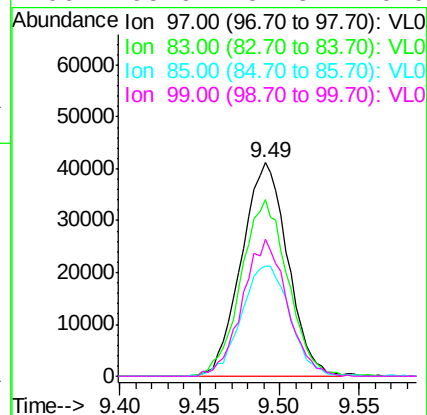
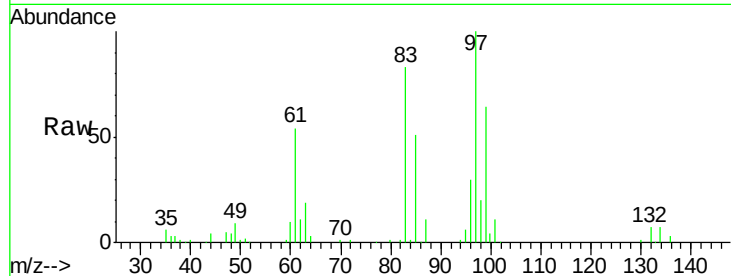
#47
 1,1,2-Trichloroethane
 Concen: 0.521 ppbv
 RT: 9.49 min Scan# 2085
 Delta R.T. -0.01 min
 Lab File: VL035707.D
 Acq: 23 Sep 2020 5:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion:	97	Resp:	81207
Ion	Ratio	Lower	Upper
97	100		
83	82.4	67.1	100.7
85	50.9	43.9	65.9
99	63.9	51.3	76.9

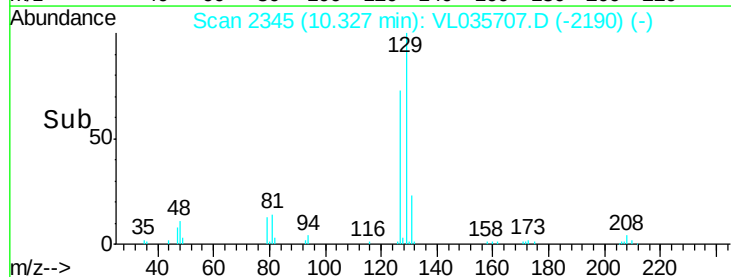
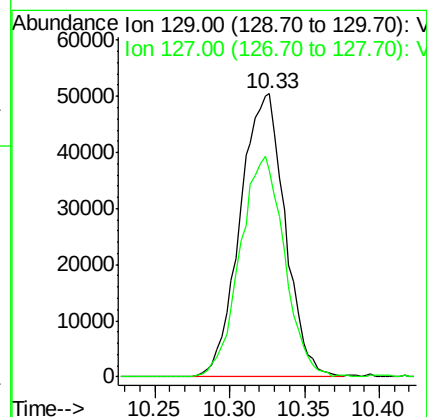
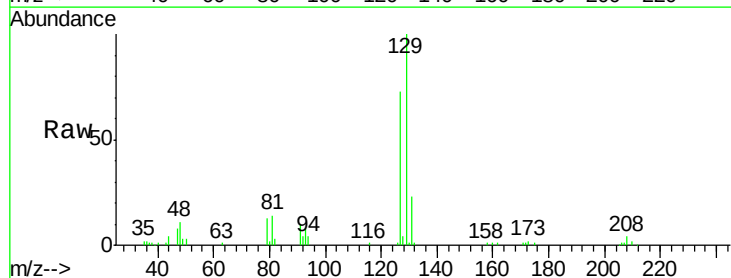
Manual Integrations
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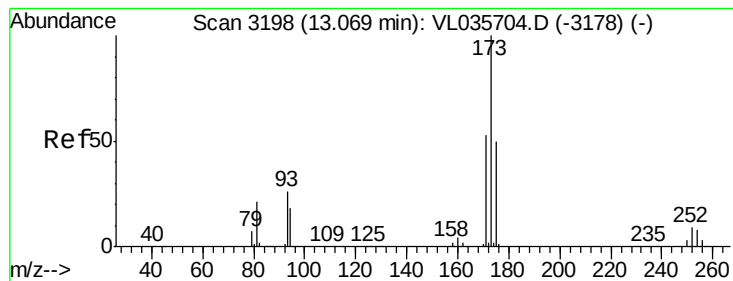
MMDadoda
 9/24/2020 1:35:17 PM



#48
 Dibromochloromethane
 Concen: 0.434 ppbv
 RT: 10.33 min Scan# 2345
 Delta R.T. -0.00 min
 Lab File: VL035707.D
 Acq: 23 Sep 2020 5:16

Tgt Ion:	129	Resp:	105481
Ion	Ratio	Lower	Upper
129	100		
127	77.0	39.4	118.1





#49

Bromoform

Concen: 0.378 ppbv

RT: 13.07 min Scan# 3197

Delta R.T. -0.00 min

Lab File: VL035707.D

Acq: 23 Sep 2020 5:16

Instrument :

MSVOA_L

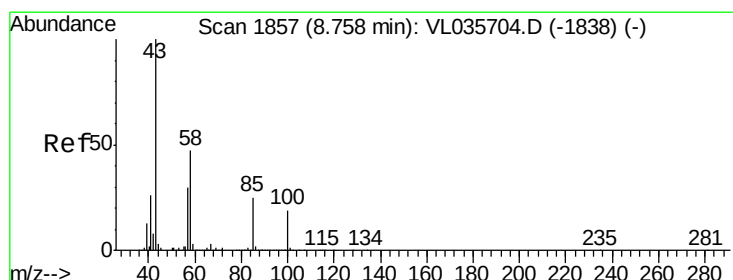
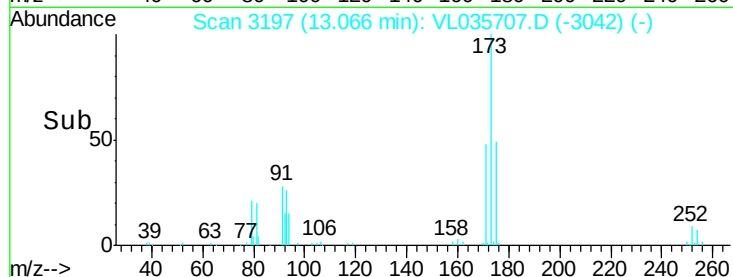
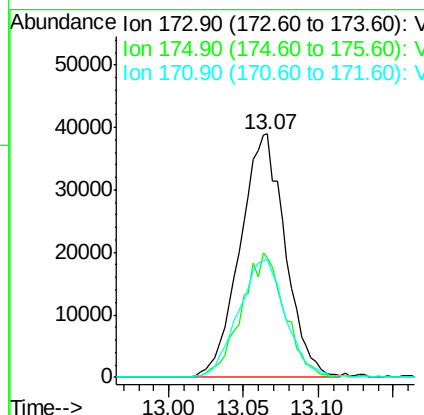
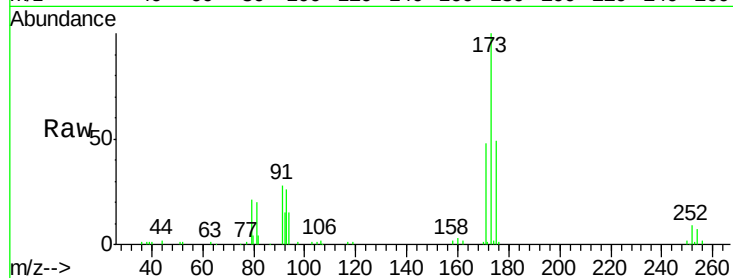
ClientSampleId :

VSTDIC0.5

Tot Ion:	173	Resp:	81981
Ion Ratio	Lower	Upper	
173	100		
175	49.2	39.8	59.6
171	50.5	42.8	64.2

Manual Integrations
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#50

4-Methyl-2-Pentanone

Concen: 0.465 ppbv

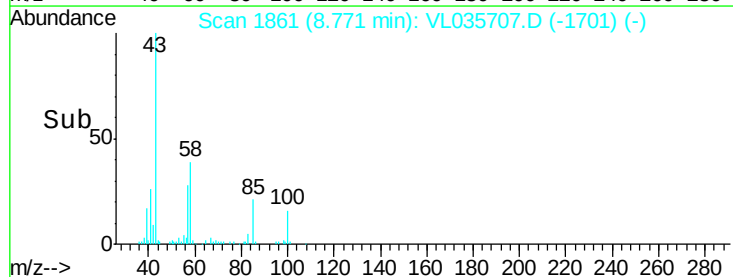
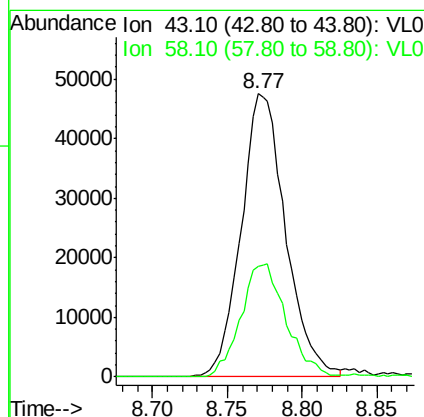
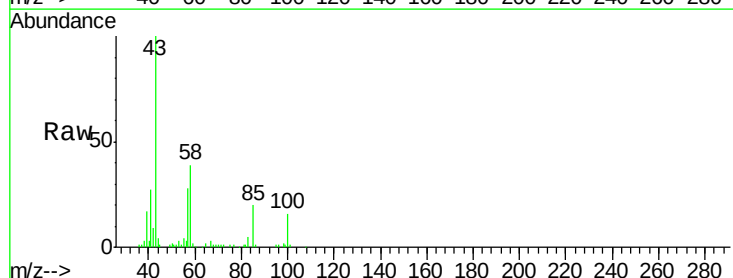
RT: 8.77 min Scan# 1861

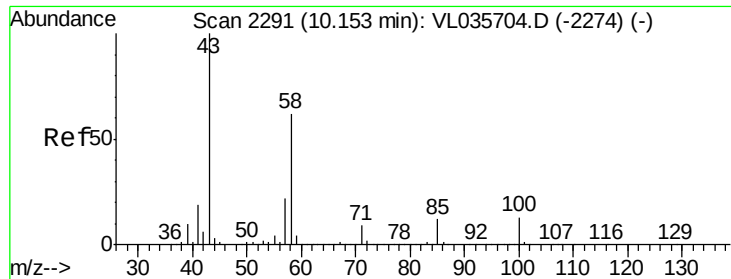
Delta R.T. 0.01 min

Lab File: VL035707.D

Acq: 23 Sep 2020 5:16

Tgt Ion:	43	Resp:	98431
Ion Ratio	Lower	Upper	
43	100		
58	41.1	36.6	54.8





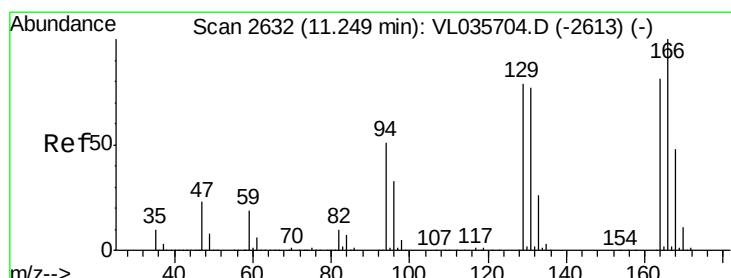
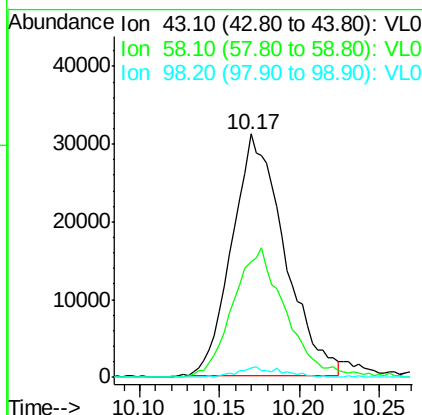
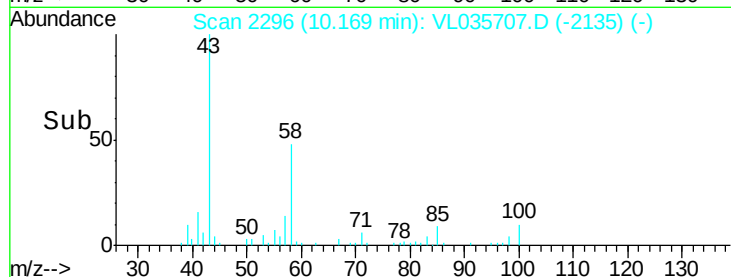
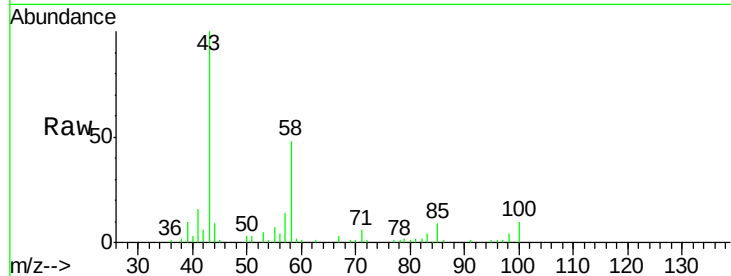
#51
2-Hexanone
Concen: 0.403 ppbv
RT: 10.17 min Scan# 2296
Delta R.T. 0.02 min
Lab File: VL035707.D
Acq: 23 Sep 2020 5:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.7	48.7	73.1
98	3.7	0.7	1.1#

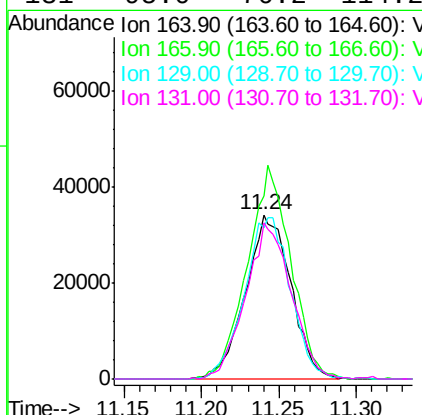
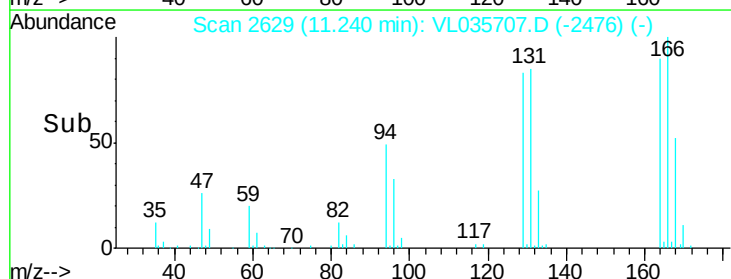
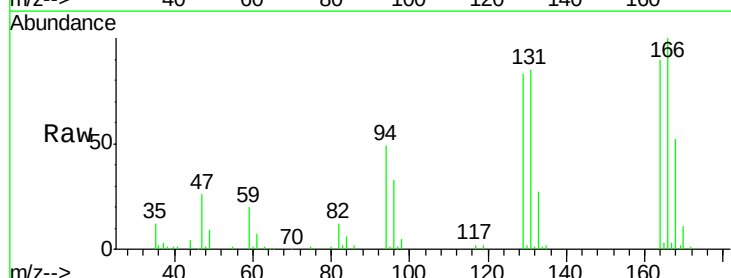
Manual Integrations
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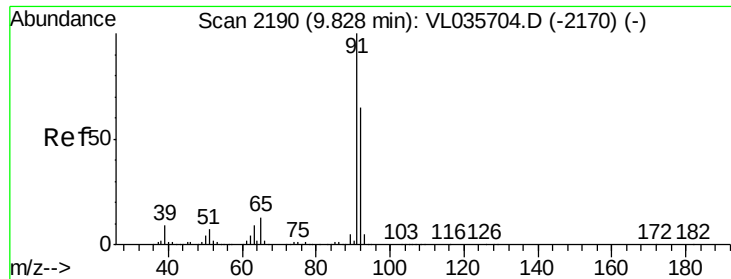
MMDadoda
9/24/2020 1:35:17 PM



#52
Tetrachloroethene
Concen: 0.391 ppbv
RT: 11.24 min Scan# 2629
Delta R.T. -0.01 min
Lab File: VL035707.D
Acq: 23 Sep 2020 5:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	111.5	98.7	148.1
129	92.5	78.4	117.6
131	95.0	76.2	114.2





#53

Toluene

Concen: 0.366 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. -0.01 min

Lab File: VL035707.D

Acq: 23 Sep 2020 5:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 91 Resp: 143767

Ion Ratio Lower Upper

91 100

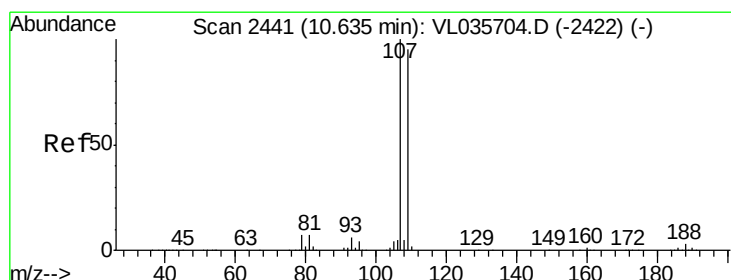
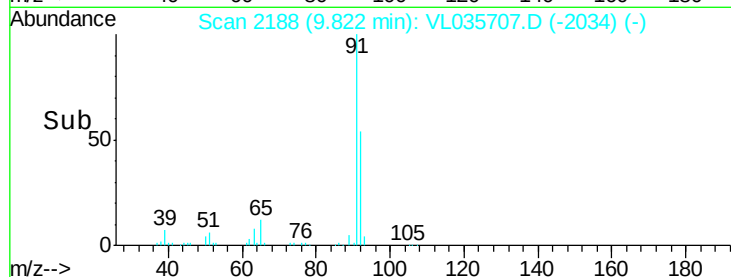
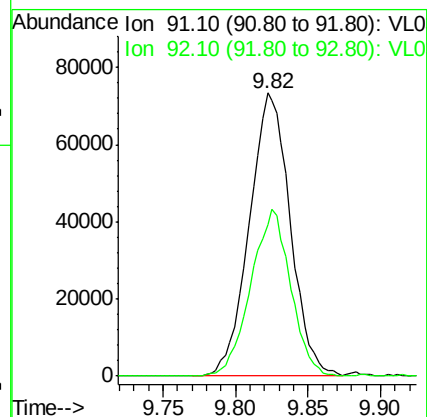
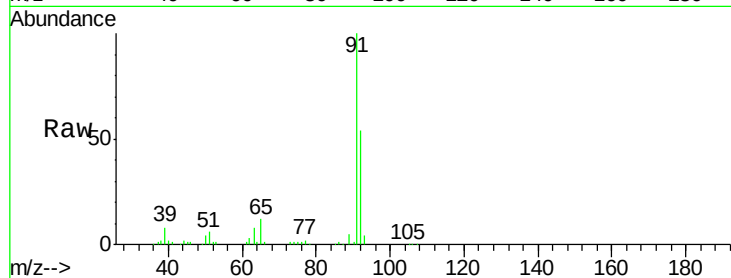
92 57.4 50.0 75.0

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 0.453 ppbv

RT: 10.63 min Scan# 2439

Delta R.T. -0.01 min

Lab File: VL035707.D

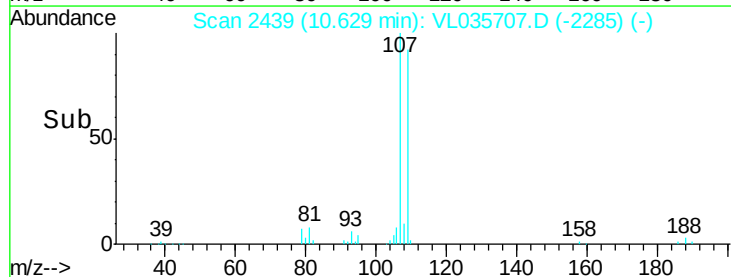
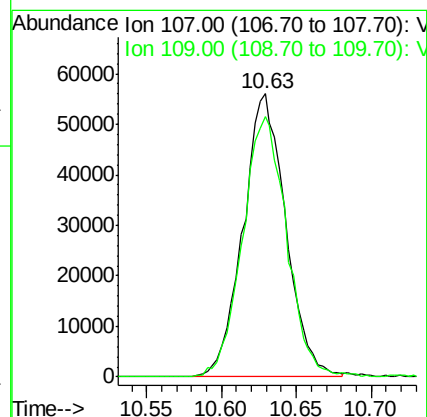
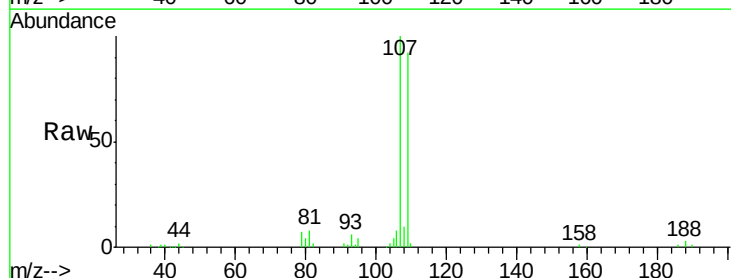
Acq: 23 Sep 2020 5:16

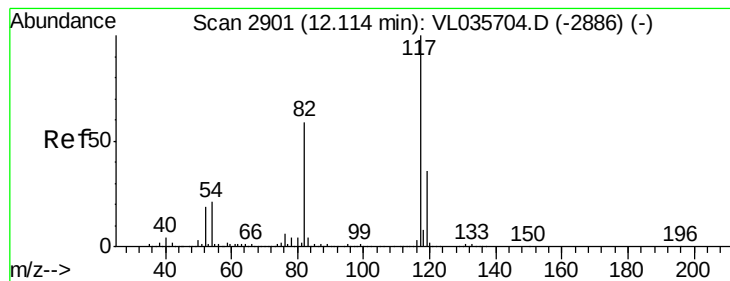
Tgt Ion: 107 Resp: 111137

Ion Ratio Lower Upper

107 100

109 91.7 76.0 114.0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2899

Delta R.T. -0.01 min

Lab File: VL035707.D

Acq: 23 Sep 2020 5:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion:117 Resp: 4682170

Ion Ratio Lower Upper

117 100

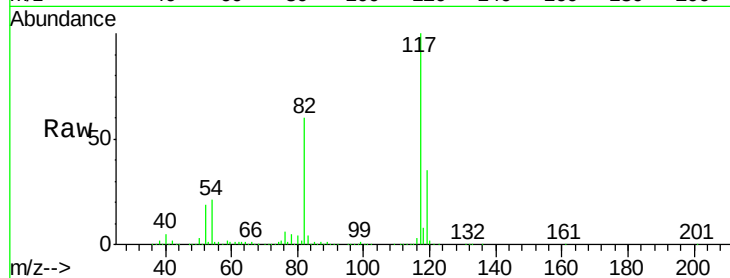
82 57.9 46.1 69.1

119 35.6 28.0 42.0

Manual Integrations
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MMDadoda

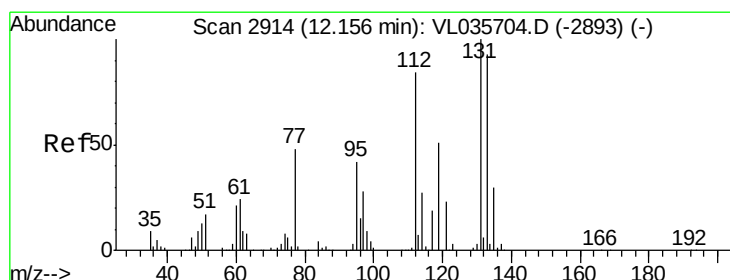
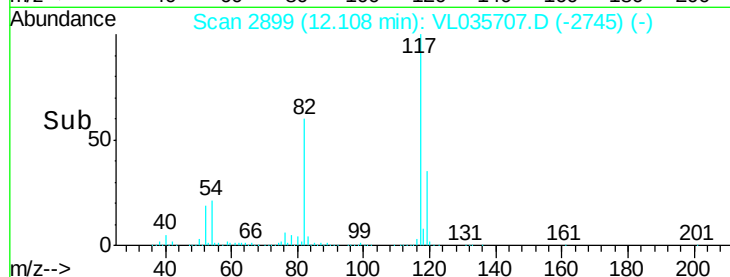
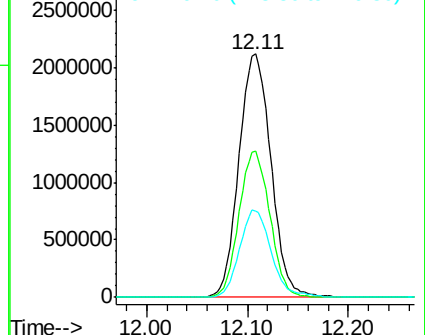
9/24/2020 1:35:17 PM



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 0.503 ppbv m

RT: 12.14 min Scan# 2910

Delta R.T. -0.01 min

Lab File: VL035707.D

Acq: 23 Sep 2020 5:16

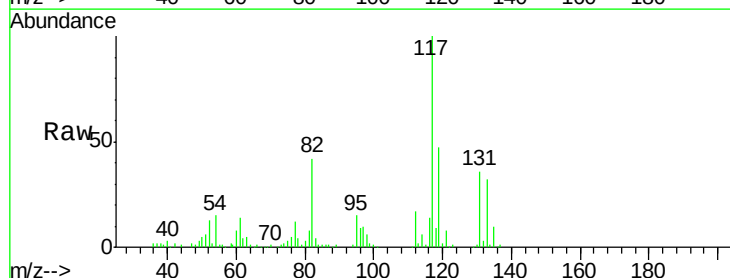
Tgt Ion:131 Resp: 96835

Ion Ratio Lower Upper

131 100

133 95.8 76.2 114.4

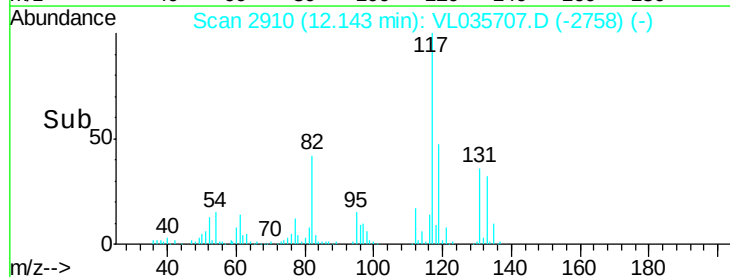
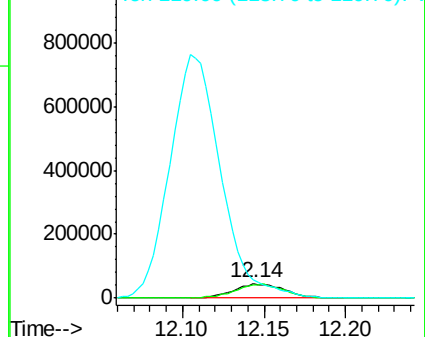
119 0.0 52.4 78.6#

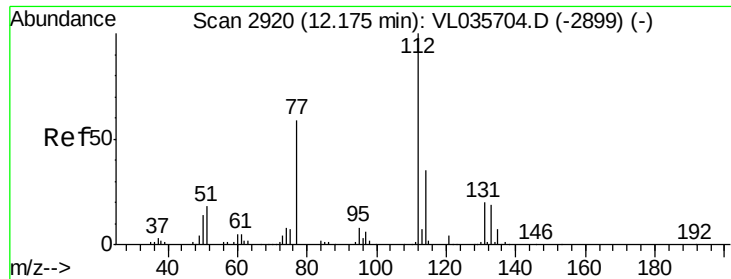


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





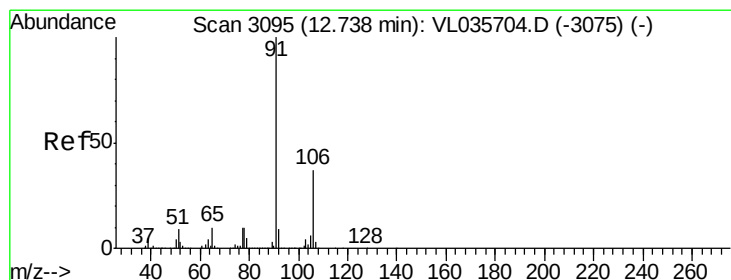
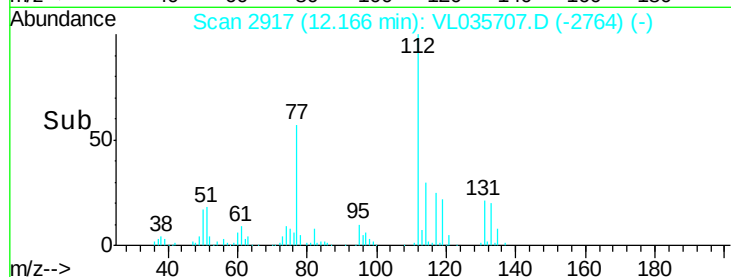
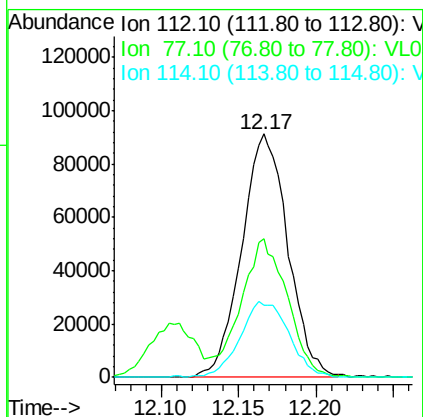
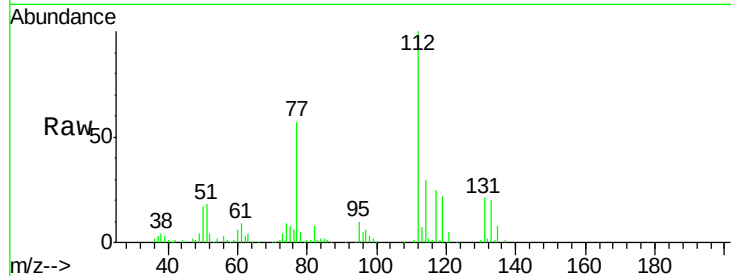
#57
Chlorobenzene
Concen: 0.543 ppbv
RT: 12.17 min Scan# 2917
Delta R.T. -0.01 min
Lab File: VL035707.D
Acq: 23 Sep 2020 5:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
112	100	189694		
77	56.2	48.2	72.2	
114	29.4	31.9	39.1	

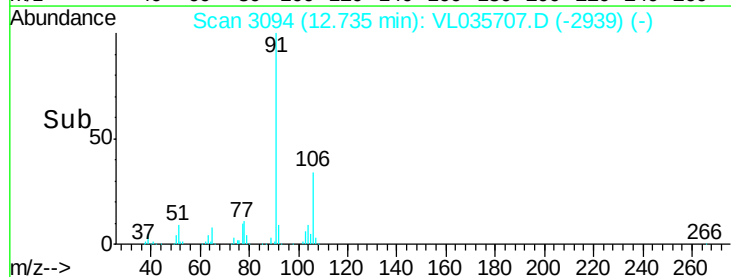
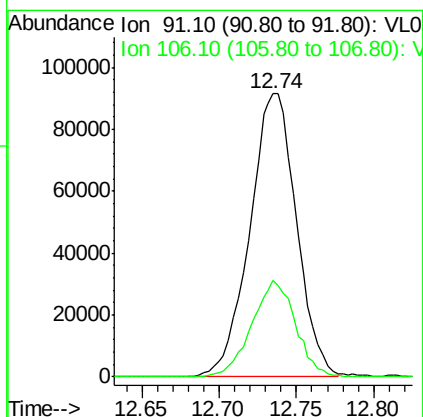
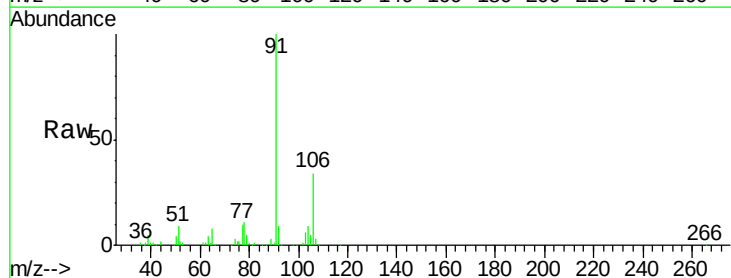
Manual Integrations
APPROVED

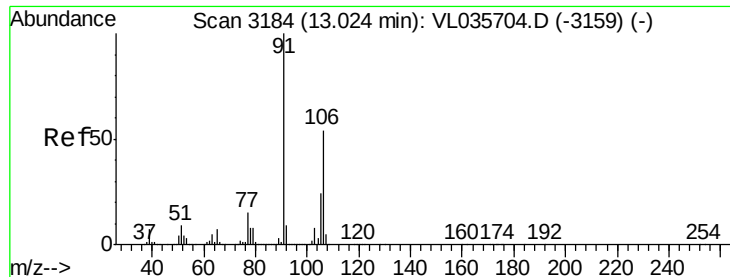
MMDadoda
9/24/2020 1:35:17 PM



#58
Ethyl Benzene
Concen: 0.390 ppbv
RT: 12.74 min Scan# 3094
Delta R.T. -0.00 min
Lab File: VL035707.D
Acq: 23 Sep 2020 5:16

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	191943		
106	34.1	29.7	44.5	





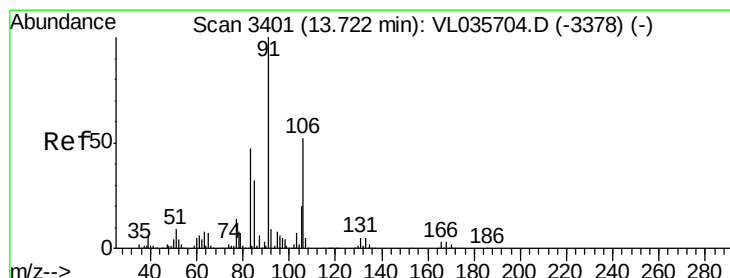
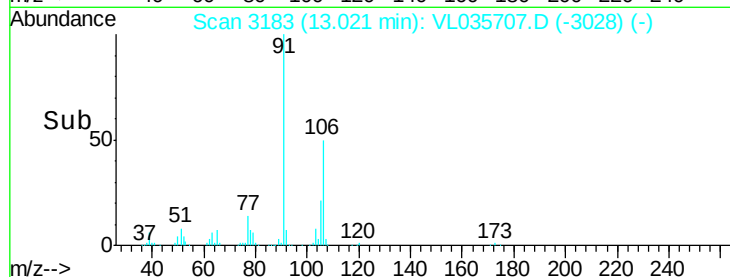
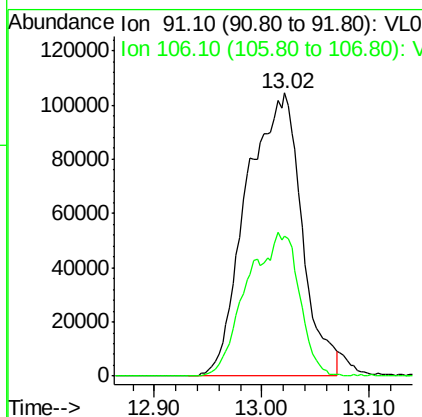
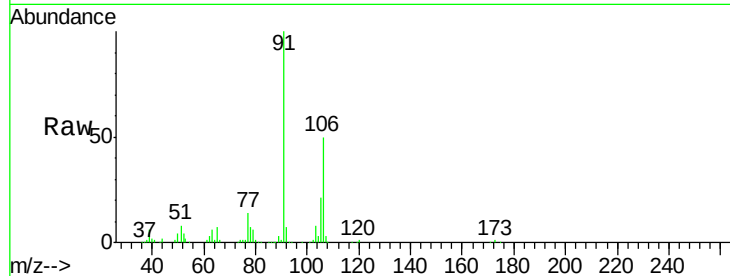
#59
m/p-Xylene
Concen: 0.900 ppbv m
RT: 13.02 min Scan# 3183
Delta R.T. -0.00 min
Lab File: VL035707.D
Acq: 23 Sep 2020 5:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 91 Resp: 372044
Ion Ratio Lower Upper
91 100
106 47.9 41.4 62.0

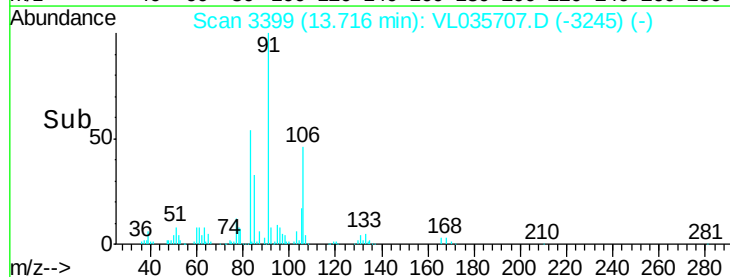
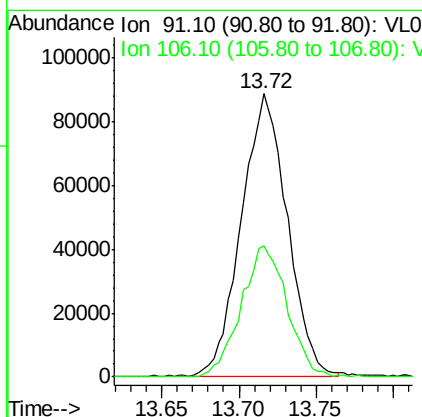
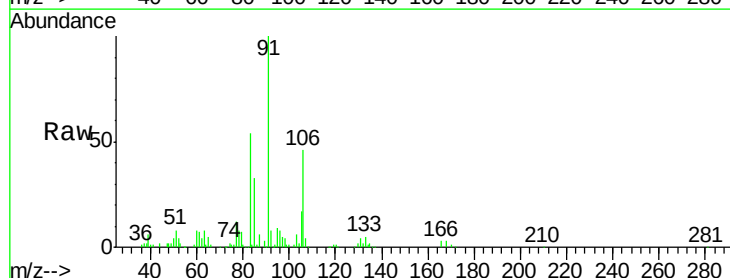
Manual Integrations
APPROVED

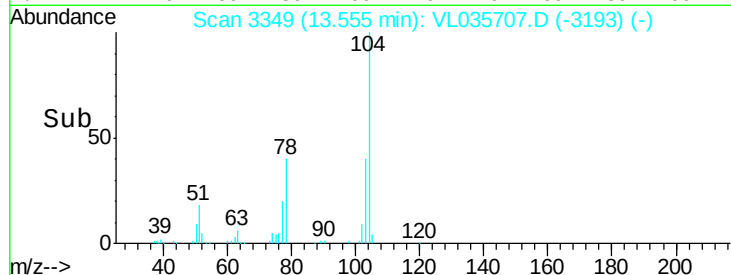
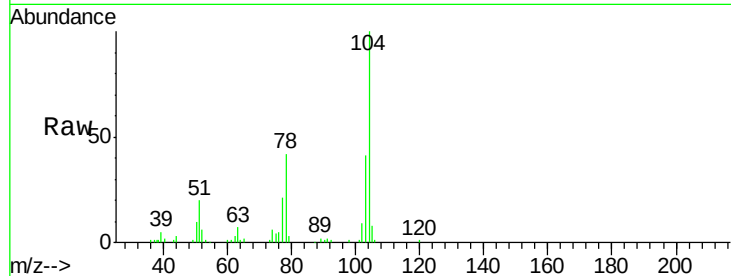
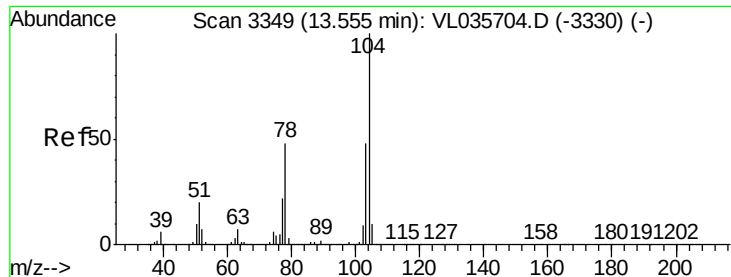
MMDadoda
9/24/2020 1:35:17 PM



#60
o-Xylene
Concen: 0.437 ppbv
RT: 13.72 min Scan# 3399
Delta R.T. -0.01 min
Lab File: VL035707.D
Acq: 23 Sep 2020 5:16

Tgt Ion: 91 Resp: 181920
Ion Ratio Lower Upper
91 100
106 46.8 25.0 75.0





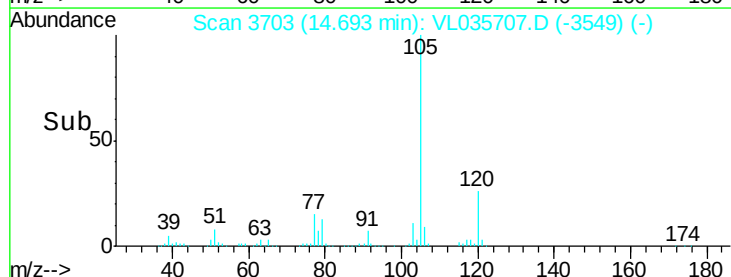
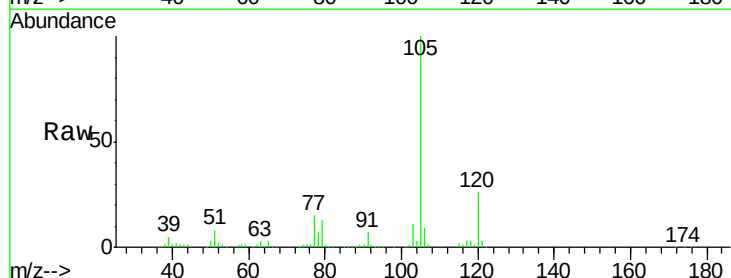
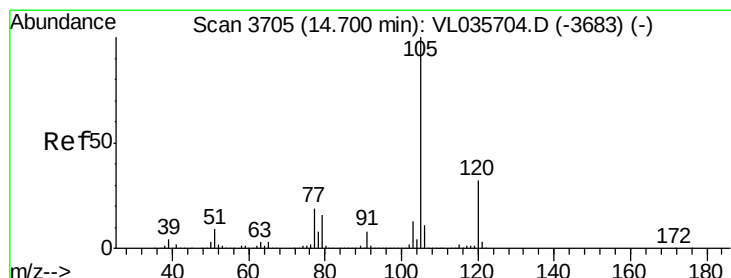
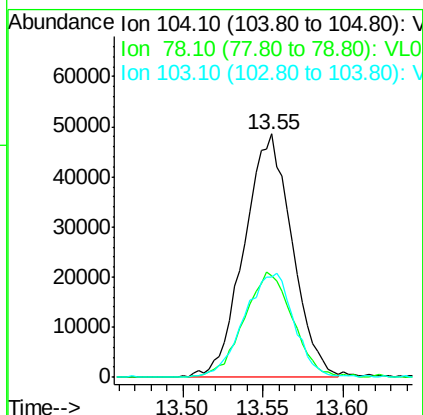
#61
Stvrene
Concen: 0.317 ppbv
RT: 13.55 min Scan# 3349
Delta R.T. 0.00 min
Lab File: VL035707.D
Acq: 23 Sep 2020 5:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
104	100	99662		
78	44.6		37.2	55.8
103	44.7		38.2	57.2

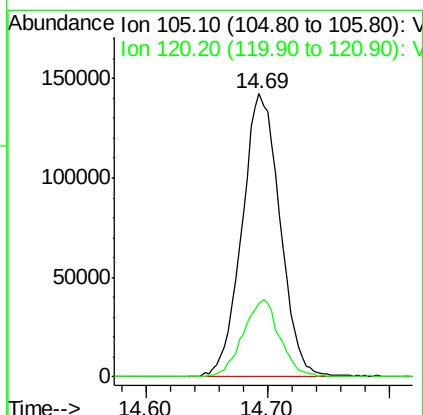
Manual Integrations
APPROVED

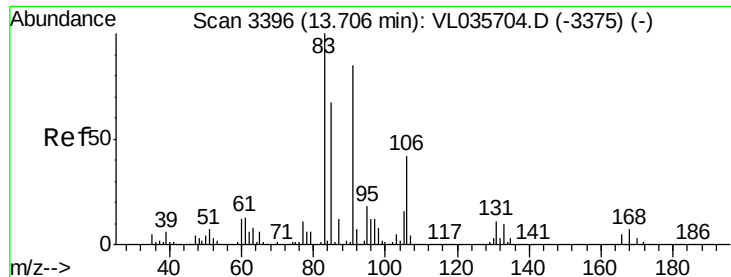
MMDadoda
9/24/2020 1:35:17 PM



#62
Isopropylbenzene
Concen: 0.462 ppbv
RT: 14.69 min Scan# 3703
Delta R.T. -0.01 min
Lab File: VL035707.D
Acq: 23 Sep 2020 5:16

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	305698		
120	26.5		24.1	36.1





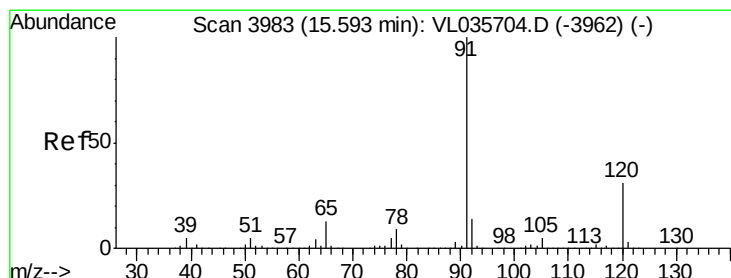
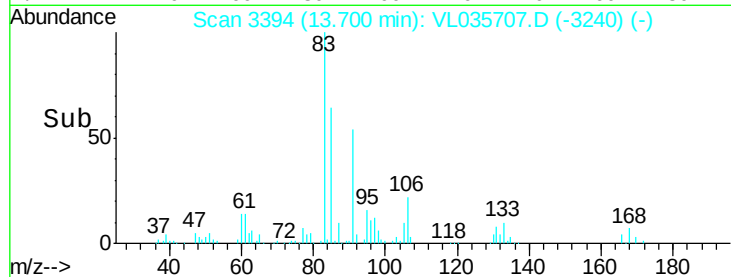
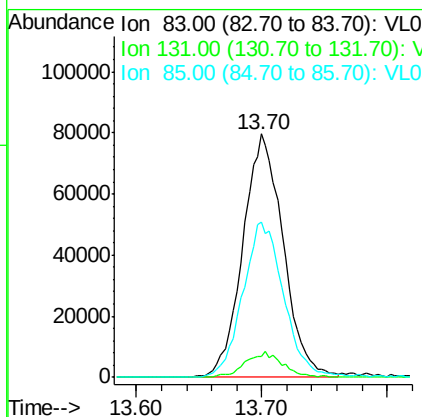
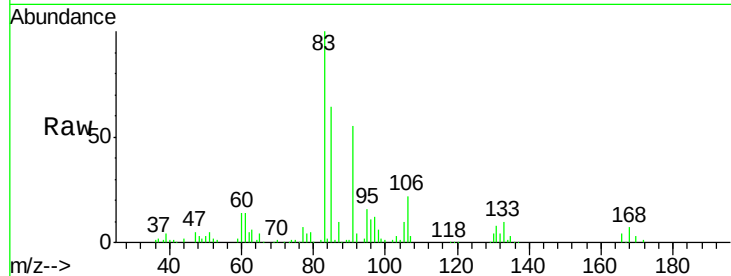
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.553 ppbv
 RT: 13.70 min Scan# 3394
 Delta R.T. -0.01 min
 Lab File: VL035707.D
 Acq: 23 Sep 2020 5:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	83	Resp	177986
Ion Ratio	100	Lower	Upper
83	100		
131	9.6	5.3	16.1
85	65.3	33.4	100.2

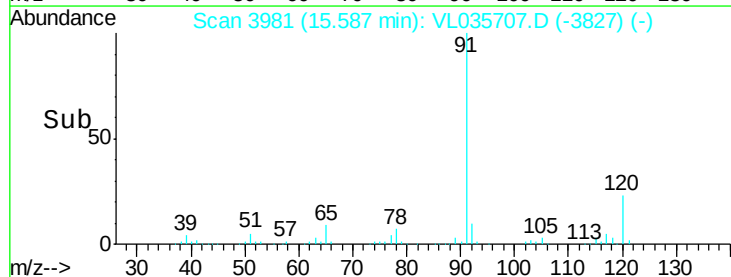
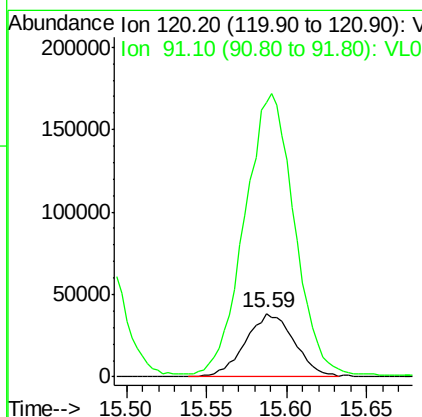
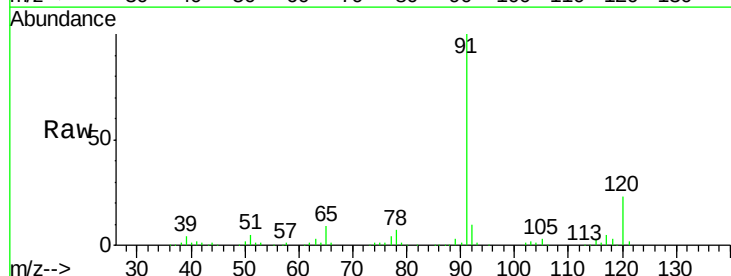
Manual Integrations
 APPROVED

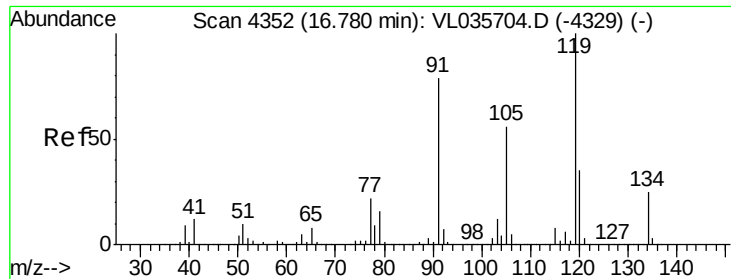
MMDadoda
 9/24/2020 1:35:17 PM



#64
 n-propylbenzene
 Concen: 0.401 ppbv
 RT: 15.59 min Scan# 3981
 Delta R.T. -0.01 min
 Lab File: VL035707.D
 Acq: 23 Sep 2020 5:16

Tgt Ion	120	Resp	80466
Ion Ratio	100	Lower	Upper
120	100		
91	459.9	300.4	450.6#





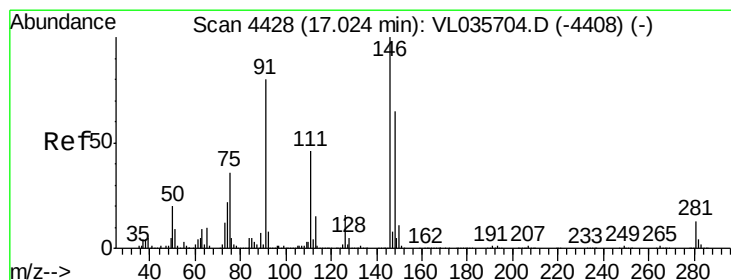
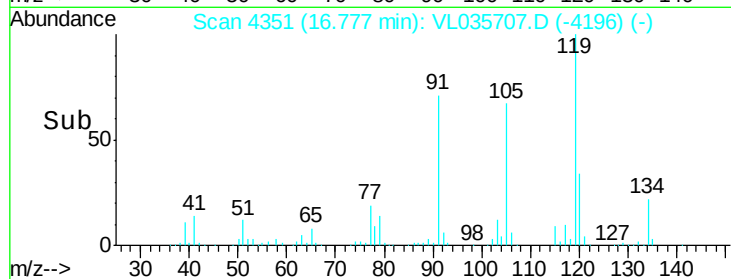
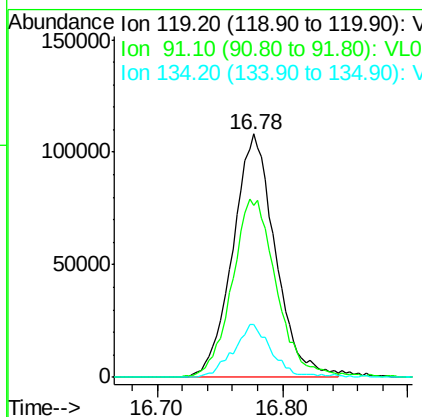
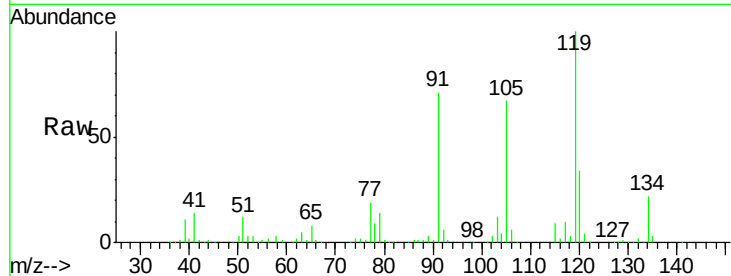
#65
 tert-Butylbenzene
 Concen: 0.411 ppbv
 RT: 16.78 min Scan# 4351
 Delta R.T. -0.00 min
 Lab File: VL035707.D
 Acq: 23 Sep 2020 5:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
119	100	251850		
91	78.2	62.4	93.6	
134	20.4	18.2	27.2	

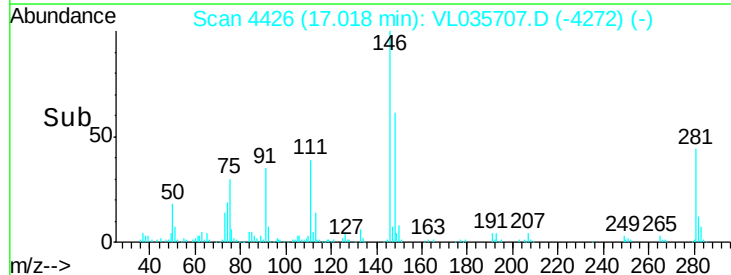
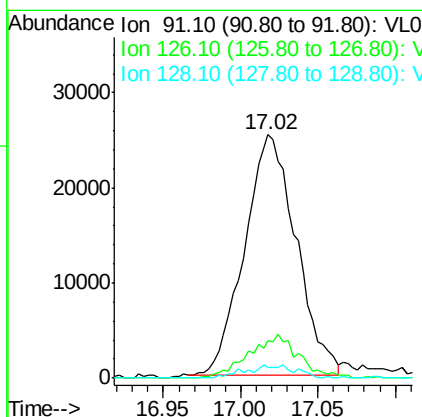
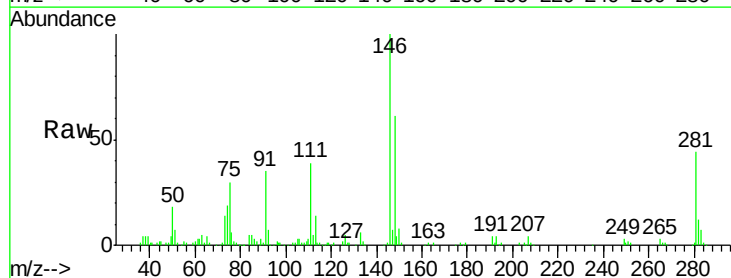
Manual Integrations
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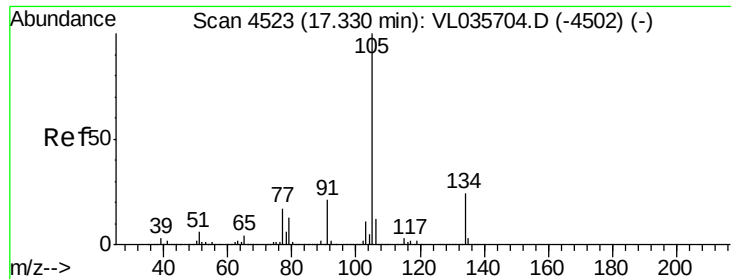
MMDadoda
 9/24/2020 1:35:17 PM



#66
 Benzyl Chloride
 Concen: 0.375 ppbv
 RT: 17.02 min Scan# 4426
 Delta R.T. -0.01 min
 Lab File: VL035707.D
 Acq: 23 Sep 2020 5:16

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	59084		
126	17.5	15.3	22.9	
128	5.3	5.0	7.4	





#67

sec-Butylbenzene

Concen: 0.450 ppbv

RT: 17.33 min Scan# 4522

Delta R.T. -0.00 min

Lab File: VL035707.D

Acq: 23 Sep 2020 5:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 105 Resp: 369474

Ion Ratio Lower Upper

105 100

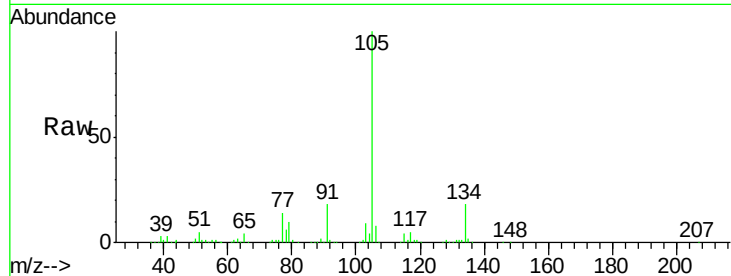
134 18.2 17.6 26.4

Manual Integrations

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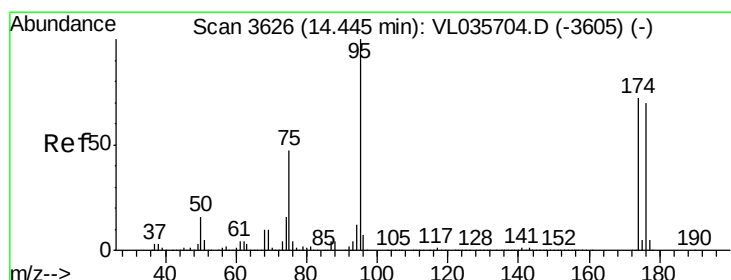
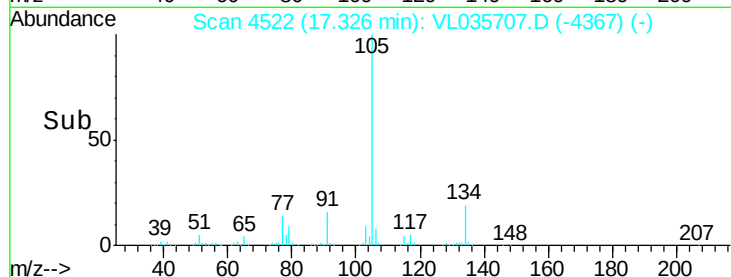
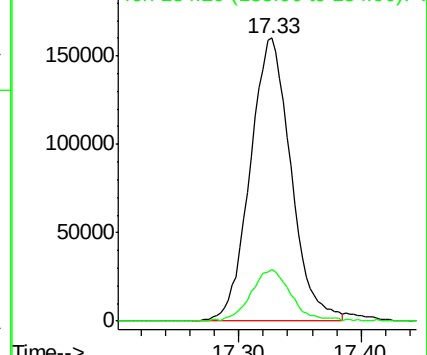
MMDadoda

9/24/2020 1:35:17 PM



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.686 ppbv

RT: 14.44 min Scan# 3624

Delta R.T. -0.01 min

Lab File: VL035707.D

Acq: 23 Sep 2020 5:16

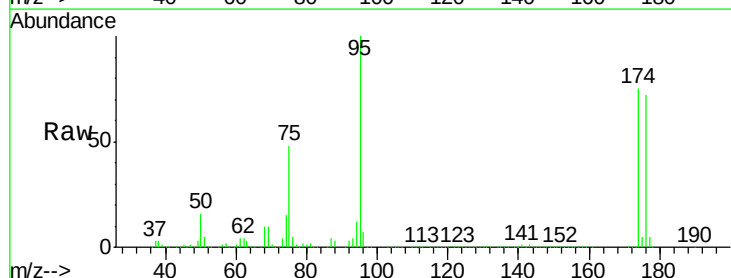
Tgt Ion: 95 Resp: 3595037

Ion Ratio Lower Upper

95 100

174 75.7 59.6 89.4

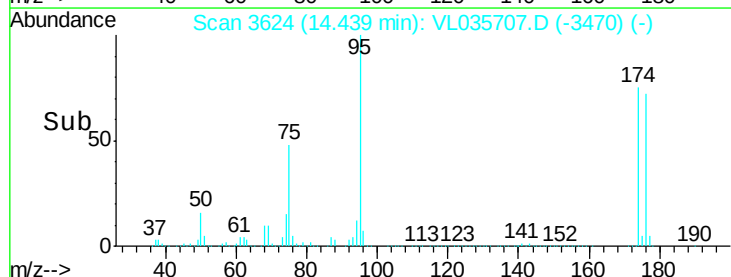
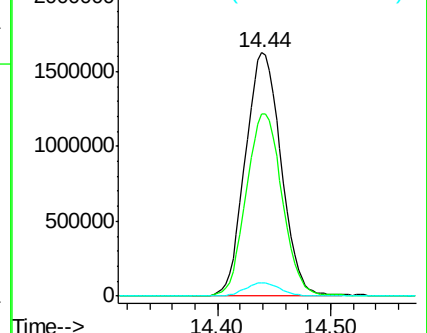
175 5.4 4.2 6.4

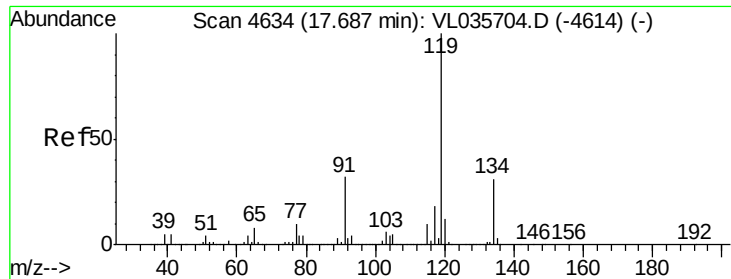


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





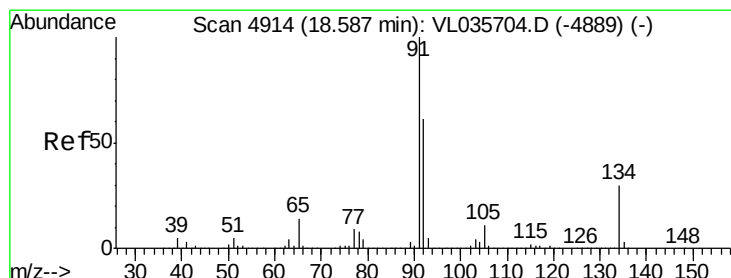
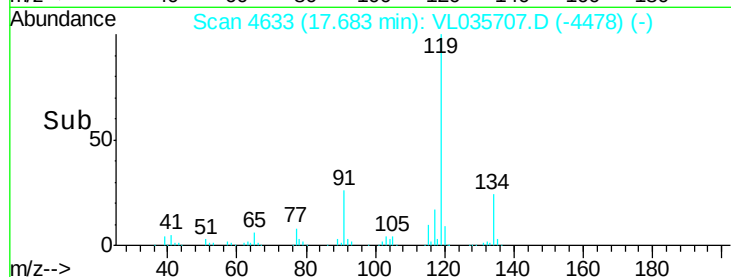
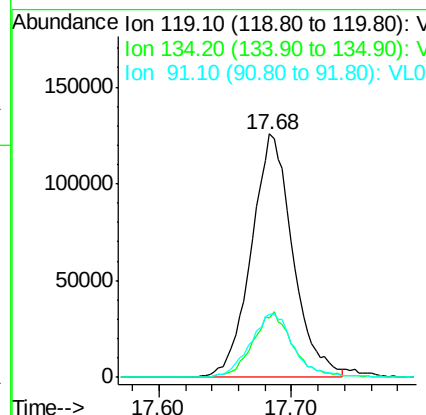
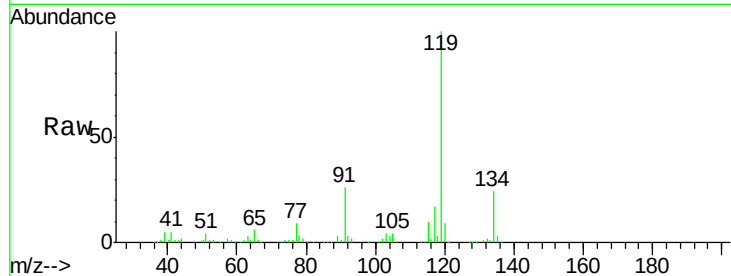
#69
 p-Isopropyltoluene
 Concen: 0.384 ppbv
 RT: 17.68 min Scan# 4633
 Delta R.T. -0.00 min
 Lab File: VL035707.D
 Acq: 23 Sep 2020 5:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
119	100	274285		
134	26.3		23.9	35.9
91	27.8		23.8	35.6

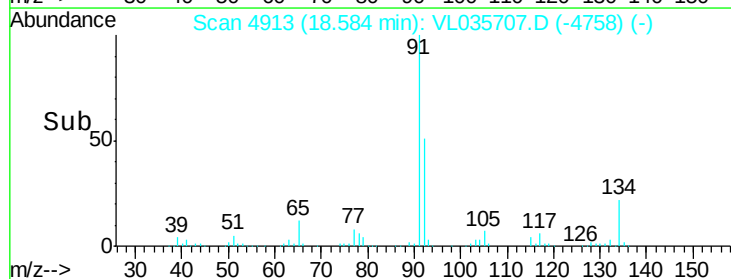
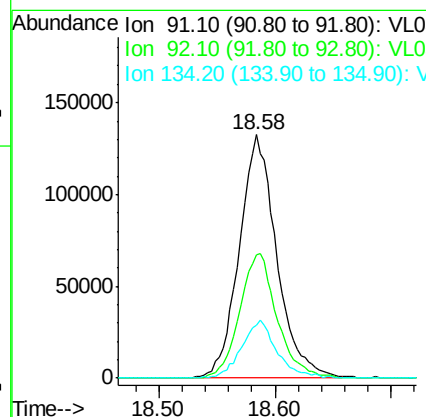
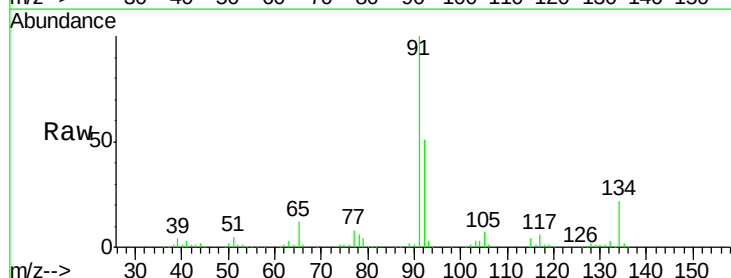
Manual Integrations
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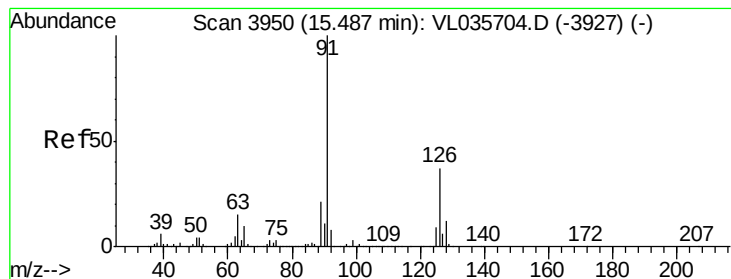
MMDadoda
 9/24/2020 1:35:17 PM



#70
 n-Butylbenzene
 Concen: 0.427 ppbv
 RT: 18.58 min Scan# 4913
 Delta R.T. -0.00 min
 Lab File: VL035707.D
 Acq: 23 Sep 2020 5:16

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	296697		
92	51.5		47.0	70.4
134	22.6		21.9	32.9





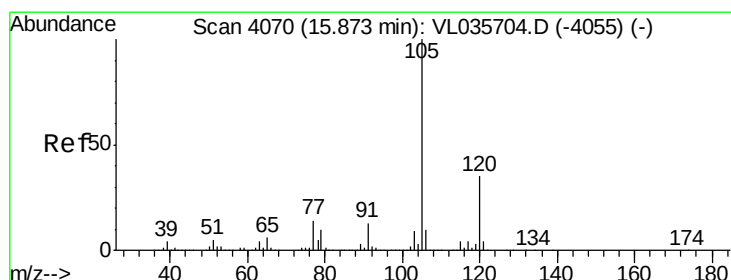
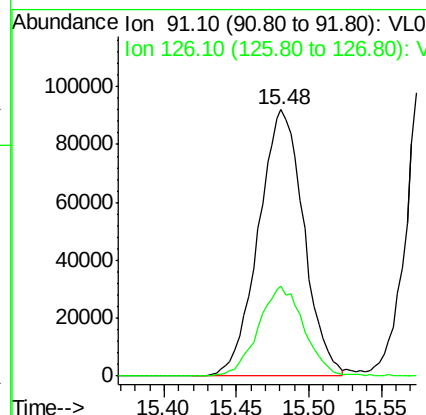
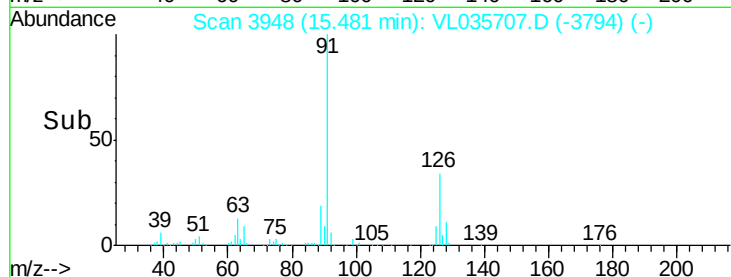
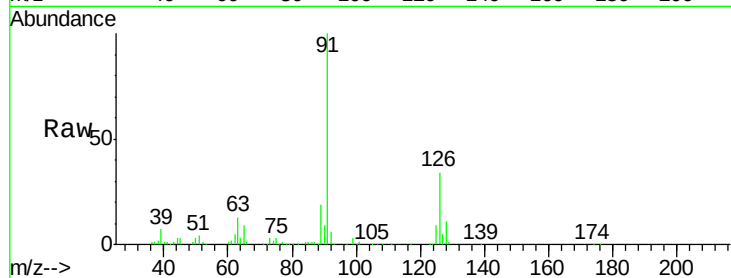
#71
 2-Chlorotoluene
 Concen: 0.412 ppbv
 RT: 15.48 min Scan# 3948
 Delta R.T. -0.01 min
 Lab File: VL035707.D
 Acq: 23 Sep 2020 5:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
91	100		
126	34.5	14.4	57.4

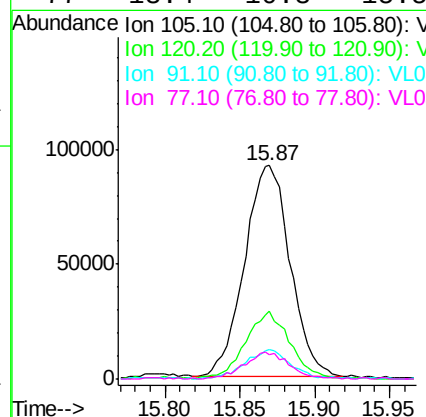
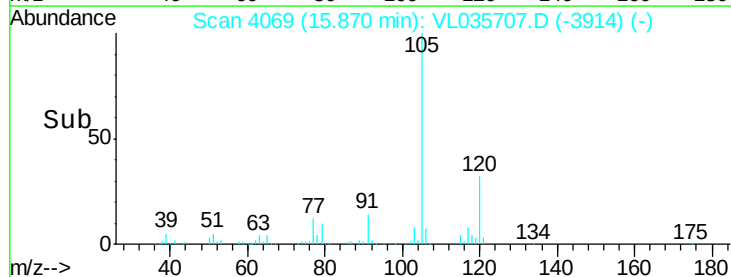
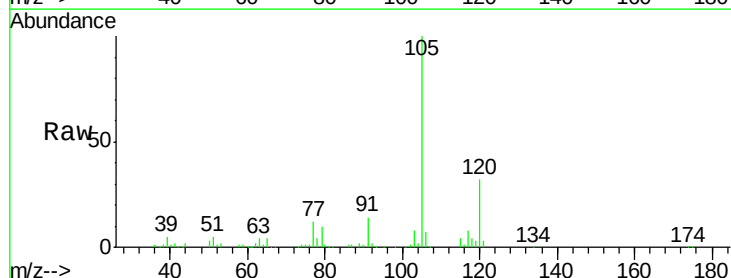
Manual Integrations
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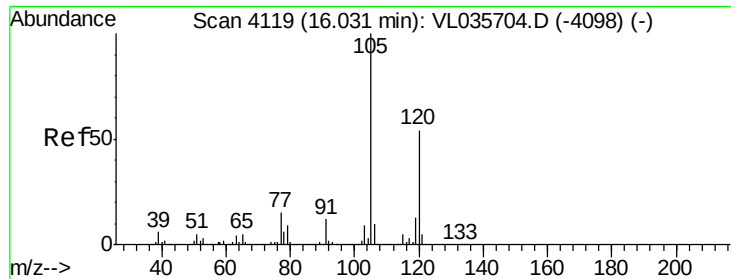
MMDadoda
 9/24/2020 1:35:17 PM



#72
 4-Ethyltoluene
 Concen: 0.375 ppbv
 RT: 15.87 min Scan# 4069
 Delta R.T. -0.00 min
 Lab File: VL035707.D
 Acq: 23 Sep 2020 5:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	31.4	26.5	39.7
91	13.9	10.2	15.2
77	13.4	10.3	15.5





#73

1,3,5-Trimethylbenzene

Concen: 0.398 ppbv

RT: 16.03 min Scan# 4118

Delta R.T. -0.00 min

Lab File: VL035707.D

Acq: 23 Sep 2020 5:16

Instrument :

MSVOA_L

ClientSampled :

VSTDIC0.5

Tot Ion:105 Resp: 192774

Ion Ratio Lower Upper

105 100

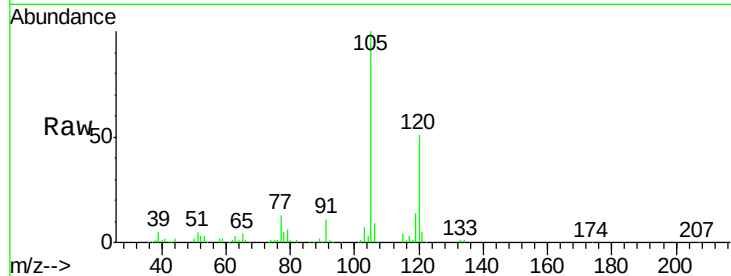
120 50.8 43.0 64.4

Manual Integrations

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9/24/2020 1:35:17 PM



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.03

80000

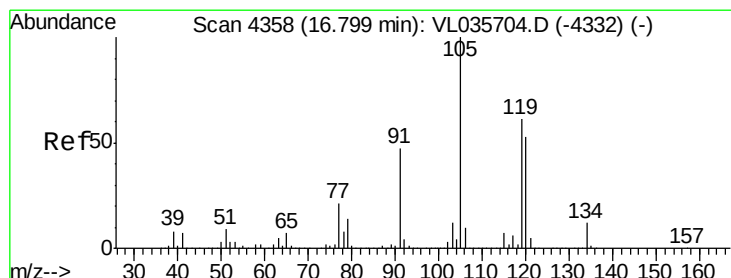
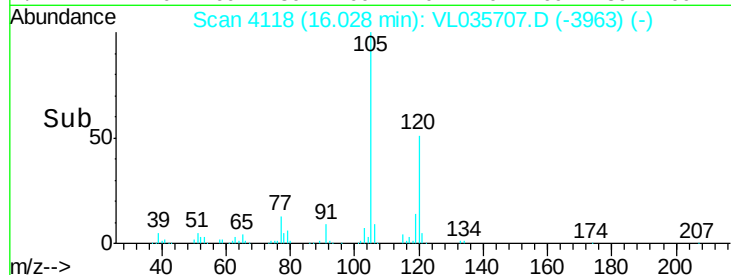
60000

40000

20000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 0.453 ppbv

RT: 16.79 min Scan# 4356

Delta R.T. -0.01 min

Lab File: VL035707.D

Acq: 23 Sep 2020 5:16

Tgt Ion:105 Resp: 241517

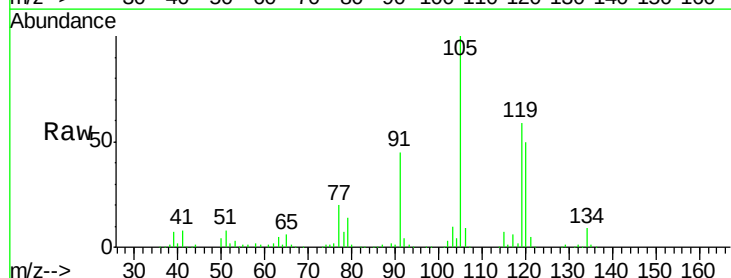
Ion Ratio Lower Upper

105 100

120 49.5 42.5 63.7

91 43.5 37.7 56.5

77 19.4 16.7 25.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): V

Ion 77.10 (76.80 to 77.80): V

16.79

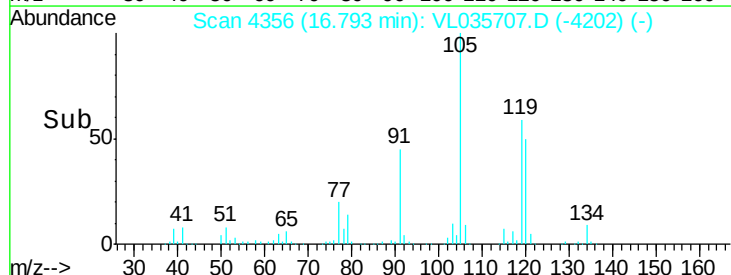
150000

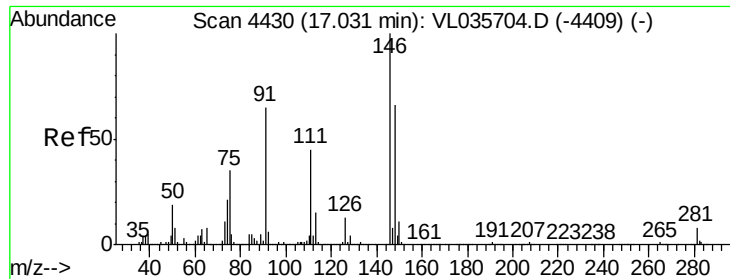
100000

50000

0

Time-->





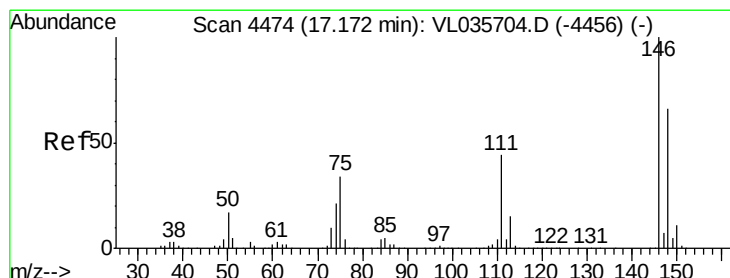
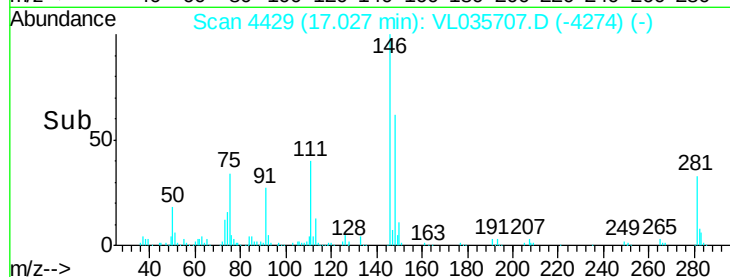
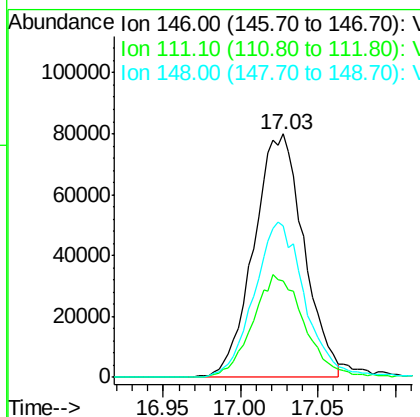
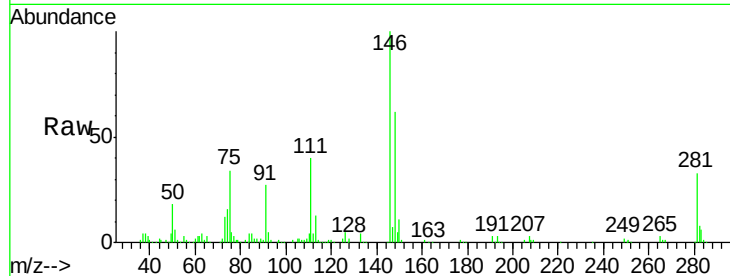
#75
 1,3-Dichlorobenzene
 Concen: 0.465 ppbv
 RT: 17.03 min Scan# 4429
 Delta R.T. -0.00 min
 Lab File: VL035707.D
 Acq: 23 Sep 2020 5:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.4	67.0
148	64.9	33.0	99.0

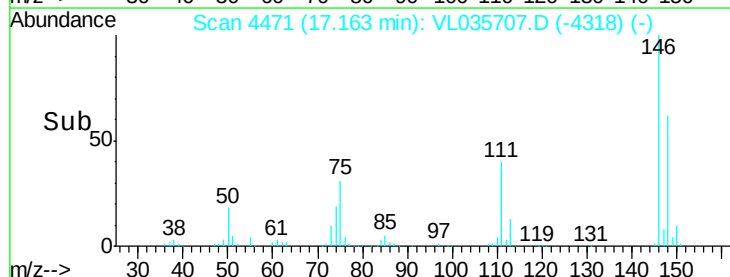
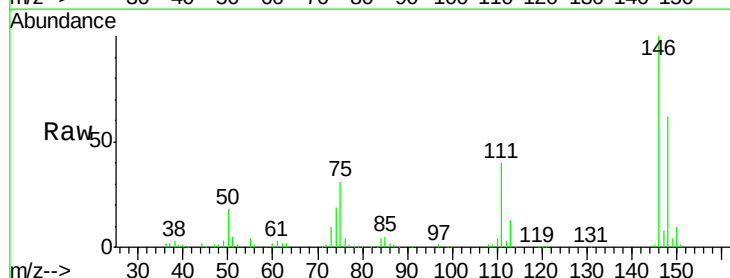
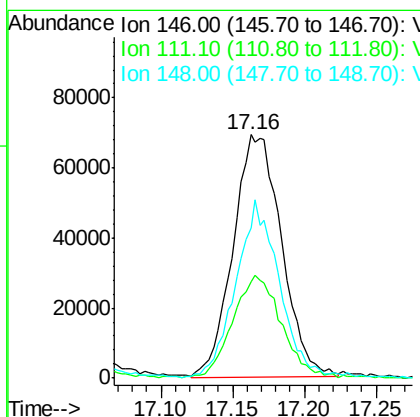
Manual Integrations
 APPROVED

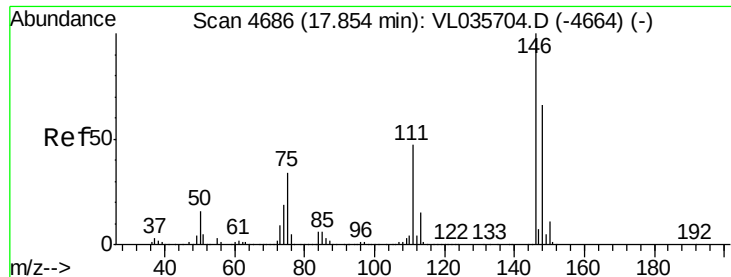
MMDadoda
 9/24/2020 1:35:17 PM



#76
 1,4-Dichlorobenzene
 Concen: 0.427 ppbv m
 RT: 17.16 min Scan# 4471
 Delta R.T. -0.01 min
 Lab File: VL035707.D
 Acq: 23 Sep 2020 5:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	21.4	64.3#
148	0.0	32.6	98.0#





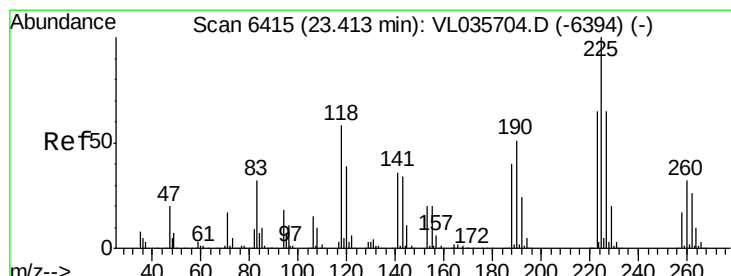
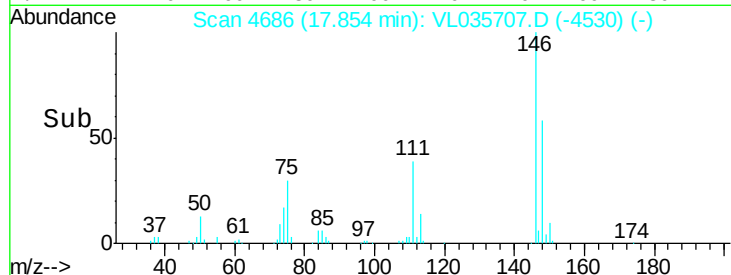
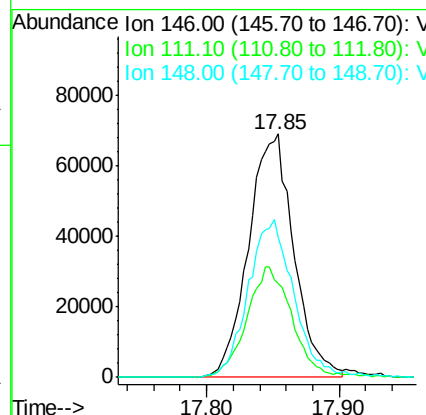
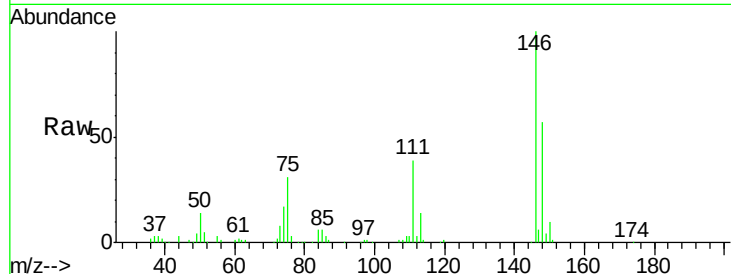
#77
 1,2-Dichlorobenzene
 Concen: 0.437 ppbv
 RT: 17.85 min Scan# 4686
 Delta R.T. 0.00 min
 Lab File: VL035707.D
 Acq: 23 Sep 2020 5:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
146	100	163766		
111	45.5	22.9	68.5	
148	65.4	32.6	98.0	

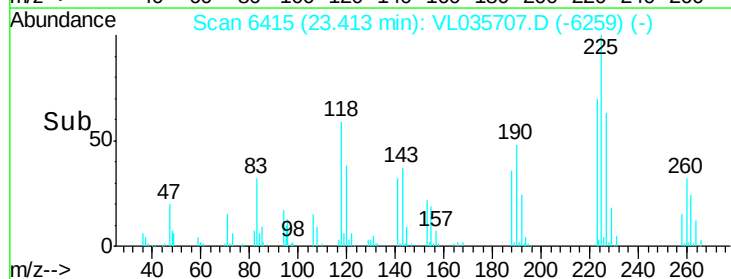
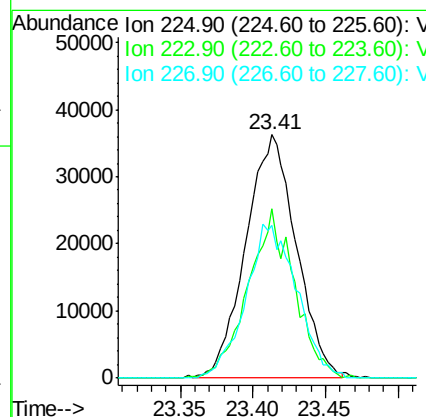
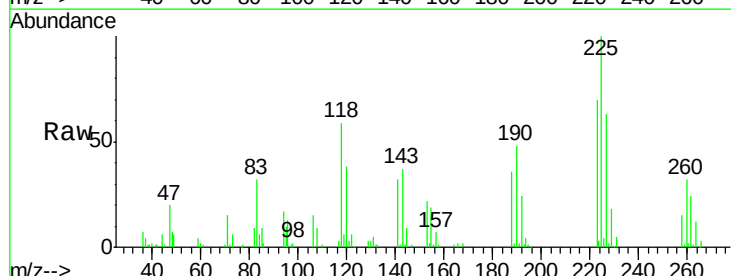
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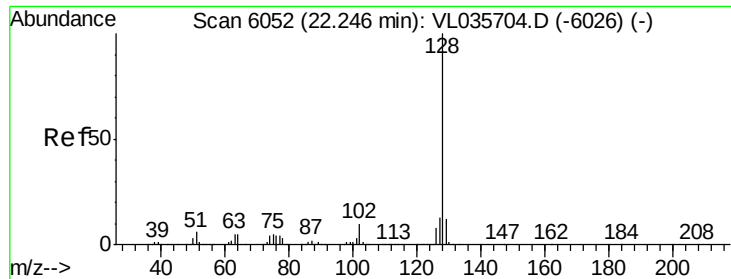
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#78
 Hexachloro-1,3-Butadiene
 Concen: 0.375 ppbv
 RT: 23.41 min Scan# 6415
 Delta R.T. 0.00 min
 Lab File: VL035707.D
 Acq: 23 Sep 2020 5:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	87724		
223	63.6	51.3	76.9	
227	63.8	51.6	77.4	





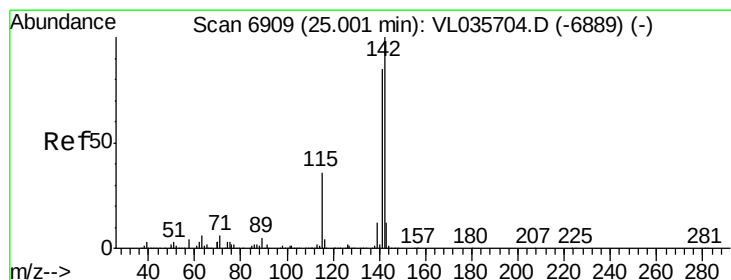
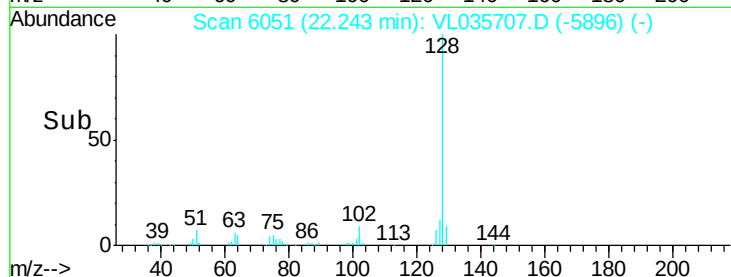
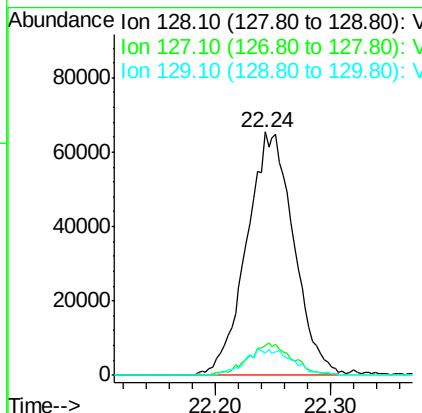
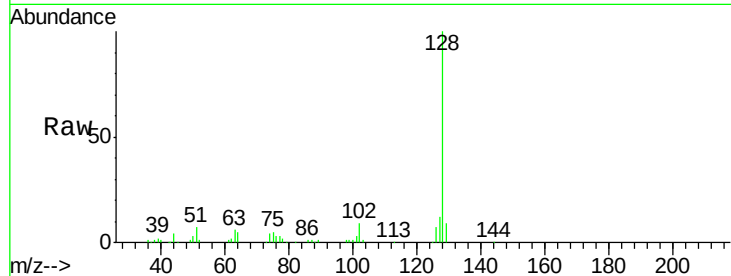
#79
Naphthalene
Concen: 0.324 ppbv m
RT: 22.24 min Scan# 6051
Delta R.T. -0.00 min
Lab File: VL035707.D
Acq: 23 Sep 2020 5:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
128	100	185293		
127	12.4	10.6	15.8	
129	9.1	9.4	14.0#	

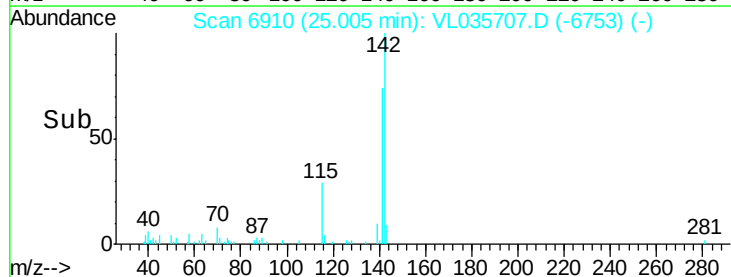
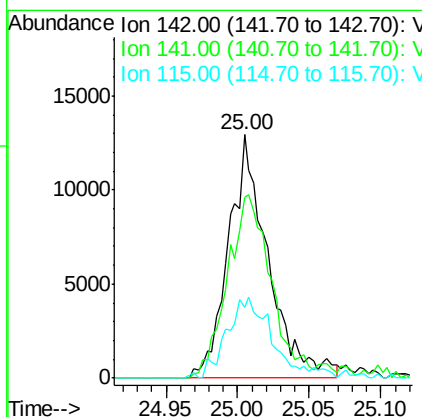
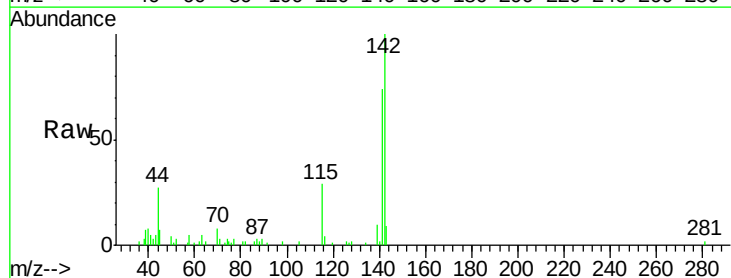
Manual Integrations
APPROVED

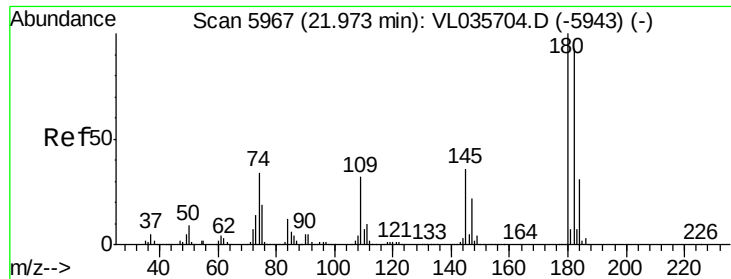
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9/24/2020 1:35:17 PM



#80
Naphthalene, 2-methyl-
Concen: 0.134 ppbv m
RT: 25.00 min Scan# 6910
Delta R.T. 0.00 min
Lab File: VL035707.D
Acq: 23 Sep 2020 5:16

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	24853		
141	88.8	68.2	102.4	
115	39.6	27.8	41.6	





#81
 1,2,4-Trichlorobenzene
 Concen: 0.322 ppbv m
 RT: 21.97 min Scan# 5967
 Delta R.T. 0.00 min
 Lab File: VL035707.D
 Acq: 23 Sep 2020 5:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
180	100	107971		
182	0.0	76.2	114.2#	
184	0.0	24.6	37.0#	

Manual Integrations
 APPROVED

MMDadoda
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