

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070820\
 Data File : VL035169.D
 Acq On : 8 Jul 2020 3:18
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 12:02:28 PM

Quant Time: Jul 08 06:41:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070820AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08
 QLast Update : Wed Jul 08 06:17:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1333346	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3163216	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3026129	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2394501	9.52	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.20%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.00	85	351501	1.946 ppbv	97
3) Chlorodifluoromethane	2.94	51	312921	2.143 ppbv	97
4) Chloromethane	3.10	50	179111	2.196 ppbv	100
5) Vinyl Chloride	3.21	62	171829	2.195 ppbv	94
6) Bromomethane	3.44	94	106984	2.187 ppbv	91
7) Chloroethane	3.52	64	62601	2.106 ppbv	98
8) Dichlorotetrafluoroethane	3.14	85	428700	2.219 ppbv	99
9) Propene	2.96	41	121193	2.108 ppbv	99
10) Heptane	8.13	43	301759	2.017 ppbv	98
11) Trichlorofluoromethane	3.92	101	445822	2.291 ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.46	101	308433	2.289 ppbv	99
13) Ethanol	3.57	45	38552	1.810 ppbv	99
14) Bromoethene	3.70	108	126495	2.192 ppbv	97
15) Acetone	3.82	43	386915	2.387 ppbv	95
16) 1,3-Butadiene	3.29	39	148274	2.111 ppbv	99
17) tert-Butyl alcohol	4.27	59	321455	2.229 ppbv	99
18) 1,1-Dichloroethene	4.26	96	138508	2.282 ppbv	96
19) Isopropyl Alcohol	3.94	45	214336	2.056 ppbv	# 98
20) Methylene Chloride	4.31	84	178621	2.708 ppbv	96
21) Allyl Chloride	4.38	41	218606	2.276 ppbv	97
22) trans-1,2-Dichloroethene	4.86	96	132977	2.323 ppbv	97
23) Vinyl Acetate	5.05	43	420332	2.167 ppbv	96
24) 1,1-Dichloroethane	4.99	63	350928	2.133 ppbv	99
25) Ethyl Acetate	5.66	43	599432	2.072 ppbv	100
26) Hexane	5.67	57	267033	2.043 ppbv	96
27) Carbon Disulfide	4.52	76	362785	2.601 ppbv	97
28) Methyl tert-Butyl Ether	5.01	73	407589	2.216 ppbv	100
29) Chloroform	5.74	83	438909	2.142 ppbv	93
30) Cyclohexane	7.13	84	193702	2.072 ppbv	96
31) cis-1,2-Dichloroethene	5.54	61	243687	2.038 ppbv	96
32) 1,1,1-Trichloroethane	6.51	97	410322	2.150 ppbv	99
34) 2-Butanone	5.23	43	374373	2.092 ppbv	98
35) Carbon Tetrachloride	7.01	117	421948	2.217 ppbv	98
36) Benzene	6.89	78	495216	2.045 ppbv	96
37) 1,2-Dichloroethane	6.30	62	318734	2.068 ppbv	100
38) Trichloroethene	7.84	130	206096	2.172 ppbv	87
39) 1,2-Dichloropropane	7.62	63	198540	2.102 ppbv	93
40) 1,4-Dioxane	7.84	88	72225m	1.889 ppbv	
41) Tetrahydrofuran	6.04	42	192966	2.117 ppbv	97
42) Bromodichloromethane	7.80	83	444832	2.222 ppbv	96
43) Methyl Methacrylate	8.02	69	210702m	2.055 ppbv	

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Manual Integrations
 APPROVED

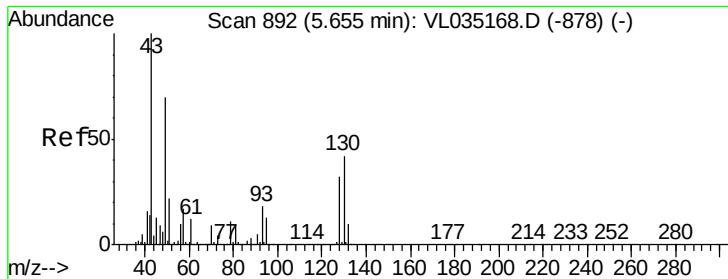
MMDadoda
 7/9/2020 12:02:28 PM

Quant Time: Jul 08 06:41:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070820AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.87	57	873941	2.065	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	205030m	2.048	ppbv	
46) cis-1,3-Dichloropropene	8.72	75	258291	2.081	ppbv	92
47) 1,1,2-Trichloroethane	9.49	97	212401	2.046	ppbv	95
48) Dibromochloromethane	10.32	129	348959	2.237	ppbv	98
49) Bromoform	13.07	173	298363m	2.244	ppbv	
50) 4-Methyl-2-Pentanone	8.75	43	533611	2.081	ppbv	100
51) 2-Hexanone	10.15	43	420994	2.105	ppbv #	97
52) Tetrachloroethene	11.25	164	178012	2.073	ppbv	94
53) Toluene	9.82	91	529936	2.045	ppbv	100
54) 1,2-Dibromoethane	10.63	107	316181	2.052	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.15	131	285706	2.280	ppbv #	1
57) Chlorobenzene	12.17	112	477575	2.138	ppbv	99
58) Ethyl Benzene	12.73	91	743046	2.174	ppbv	98
59) m/p-Xylene	13.02	91	1324337m	4.371	ppbv	
60) o-Xylene	13.72	91	670488	2.217	ppbv	98
61) Styrene	13.55	104	413656	2.173	ppbv	99
62) Isopropylbenzene	14.69	105	993123	2.201	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.71	83	495016	2.024	ppbv	99
64) n-propylbenzene	15.60	120	251217	2.179	ppbv	85
65) tert-Butylbenzene	16.78	119	907140	2.331	ppbv	98
66) Benzyl Chloride	17.03	91	295417	2.405	ppbv	99
67) sec-Butylbenzene	17.33	105	1323479	2.368	ppbv	97
69) p-Isopropyltoluene	17.69	119	1054321	2.365	ppbv	98
70) n-Butylbenzene	18.59	91	1110284	2.308	ppbv	97
71) 2-Chlorotoluene	15.48	91	758076	2.221	ppbv	97
72) 4-Ethyltoluene	15.87	105	758559	2.246	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	723014	2.257	ppbv	97
74) 1,2,4-Trimethylbenzene	16.79	105	792287	2.211	ppbv #	93
75) 1,3-Dichlorobenzene	17.03	146	480416	2.253	ppbv	100
76) 1,4-Dichlorobenzene	17.18	146	451714m	2.206	ppbv	
77) 1,2-Dichlorobenzene	17.86	146	440720	2.244	ppbv	100
78) Hexachloro-1,3-Butadiene	23.42	225	342069	1.979	ppbv	99
79) Naphthalene	22.26	128	477170	1.564	ppbv #	95
80) Naphthalene, 2-methyl-	25.02	142	55255	0.498	ppbv	94
81) 1,2,4-Trichlorobenzene	21.99	180	306937m	1.730	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.00 min

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ClientSampleId :

VSTDIC002

Tot Ion: 49 Resp: 1333346

Ion Ratio Lower Upper

49 100

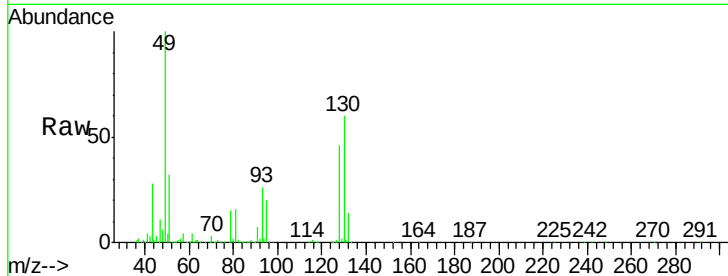
128 47.9 23.8 71.4

130 61.2 29.9 89.8

Manual Integrations
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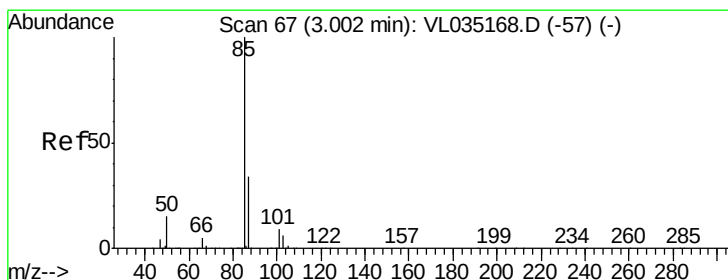
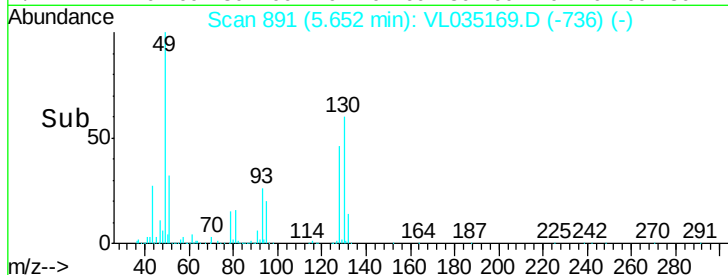
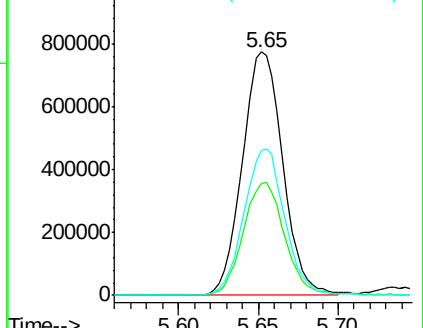
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 1.946 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.00 min

Lab File: VL035169.D

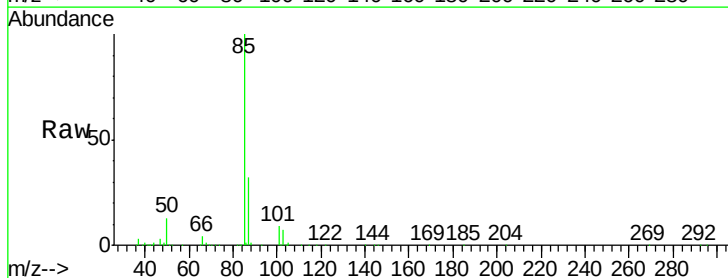
Acq: 8 Jul 2020 3:18

Tgt Ion: 85 Resp: 351501

Ion Ratio Lower Upper

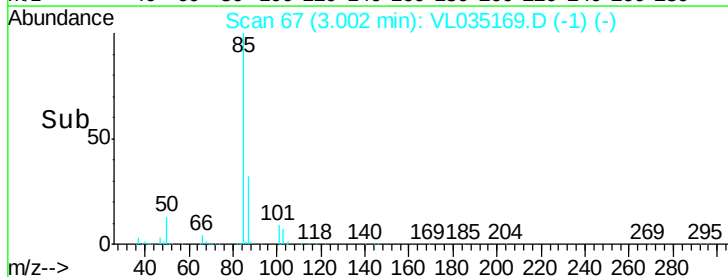
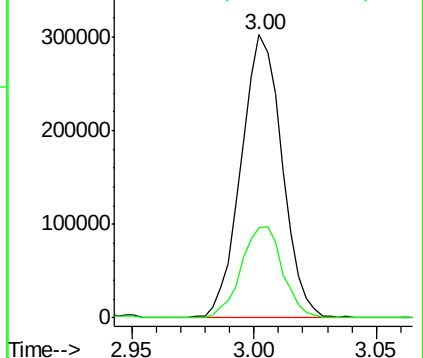
85 100

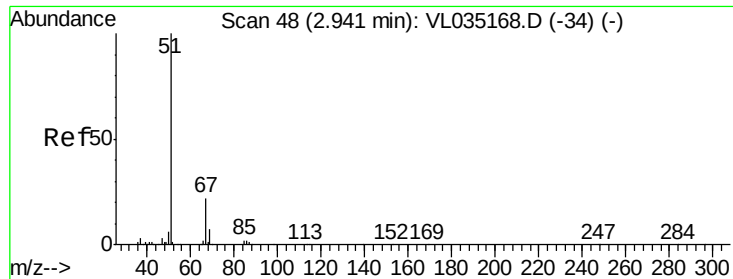
87 32.0 27.0 40.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 2.143 ppbv

RT: 2.94 min Scan# 48

Delta R.T. 0.00 min

Lab File: VL035169.D

Acq: 8 Jul 2020 3:18

Tot Ion: 51 Resp: 312921

Ion Ratio Lower Upper

51 100

67 19.5 16.6 24.8

Instrument :

MSVOA_L

ClientSampleId :

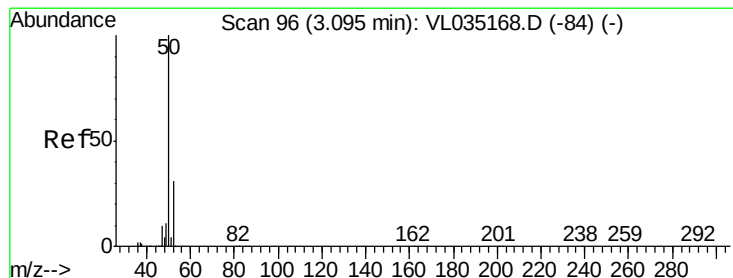
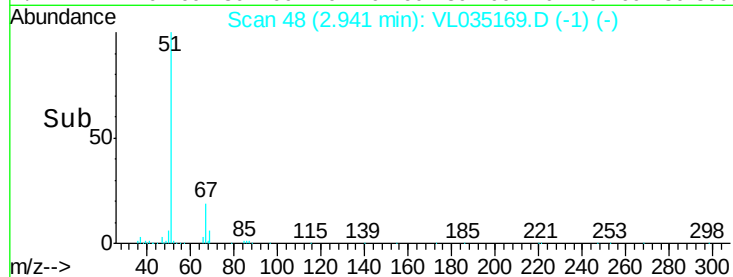
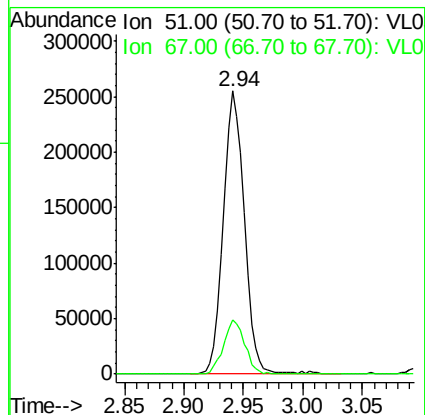
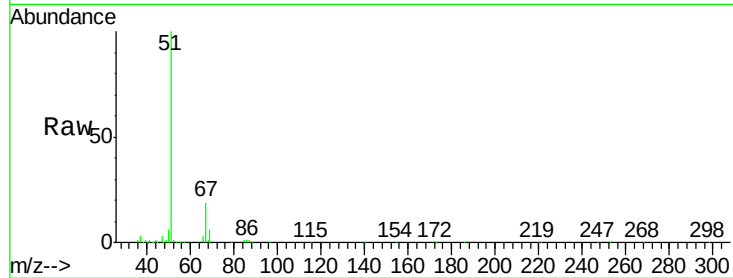
VSTDIC002

Manual Integrations

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#4

Chloromethane

Concen: 2.196 ppbv

RT: 3.10 min Scan# 96

Delta R.T. 0.00 min

Lab File: VL035169.D

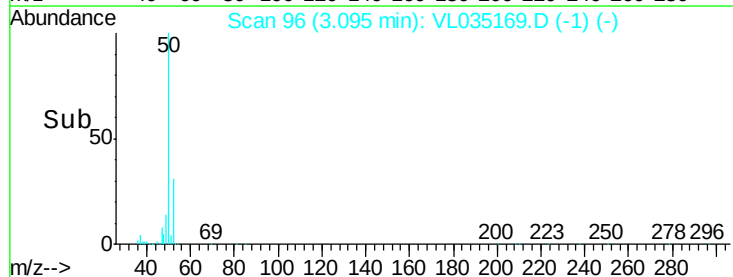
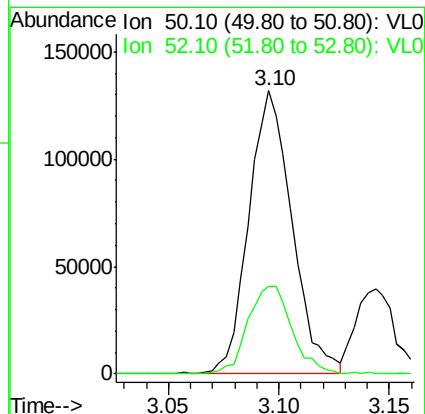
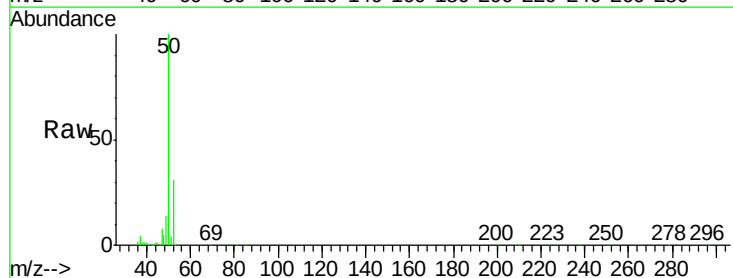
Acq: 8 Jul 2020 3:18

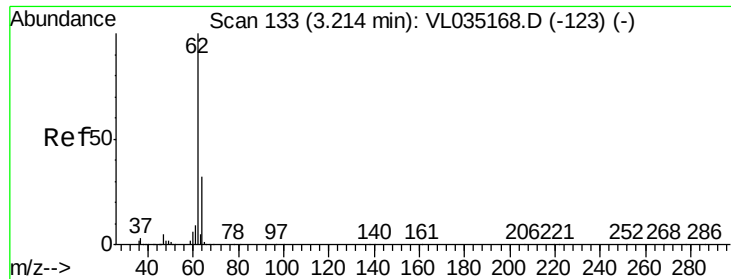
Tgt Ion: 50 Resp: 179111

Ion Ratio Lower Upper

50 100

52 31.1 25.0 37.6





#5

Vinyl Chloride

Concen: 2.195 ppbv

RT: 3.21 min Scan# 133

Delta R.T. 0.00 min

Lab File: VL035169.D

Acq: 8 Jul 2020 3:18

Instrument :

MSVOA_L

ClientSampleID :

VSTDIC002

Tot Ion: 62 Resp: 171829

Ion Ratio Lower Upper

62 100

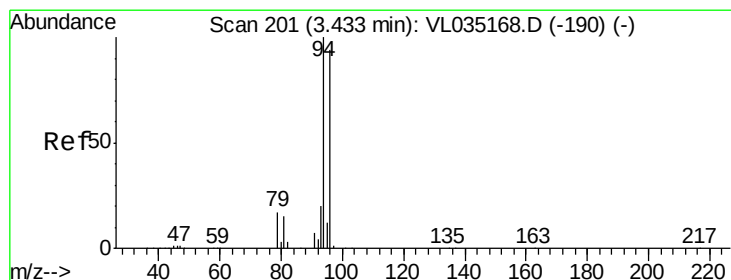
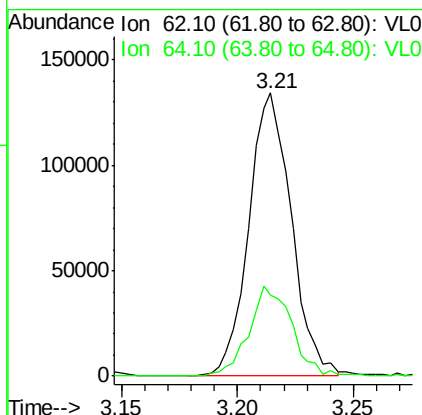
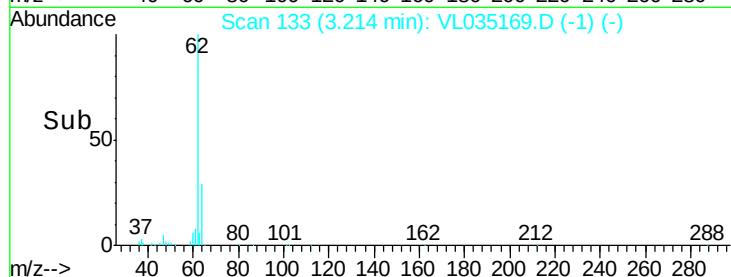
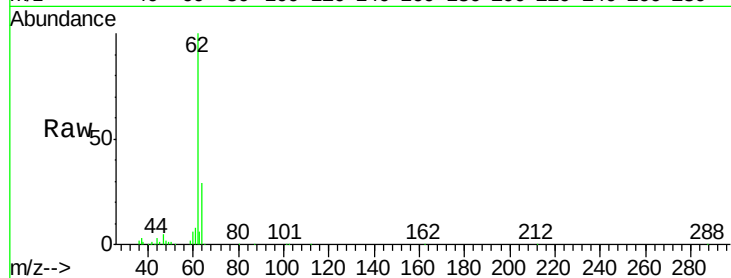
64 28.8 25.9 38.9

Manual Integrations

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#6

Bromomethane

Concen: 2.187 ppbv

RT: 3.44 min Scan# 202

Delta R.T. 0.00 min

Lab File: VL035169.D

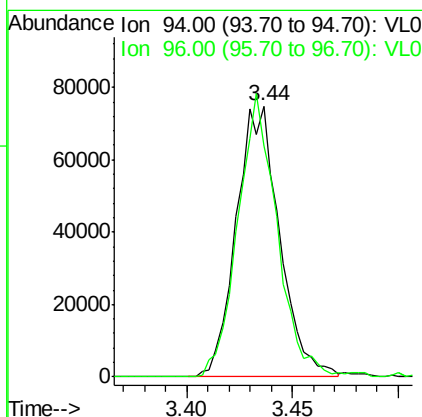
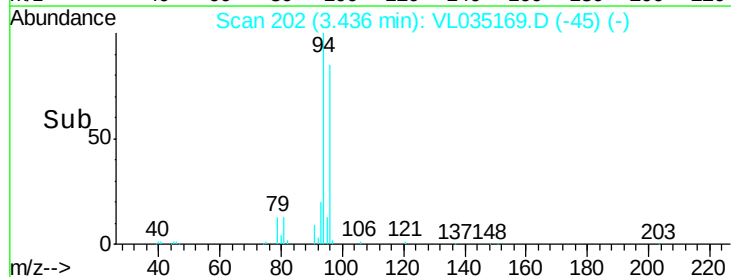
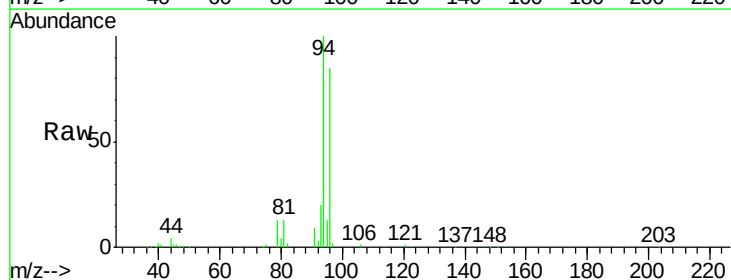
Acq: 8 Jul 2020 3:18

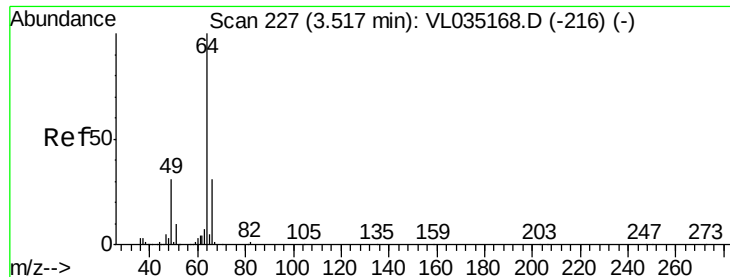
Tgt Ion: 94 Resp: 106984

Ion Ratio Lower Upper

94 100

96 85.2 74.8 112.2





#7

Chloroethane

Concen: 2.106 ppbv

RT: 3.52 min Scan# 228

Delta R.T. 0.00 min

Lab File: VL035169.D

Acq: 8 Jul 2020 3:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 64 Resp: 62601

Ion Ratio Lower Upper

64 100

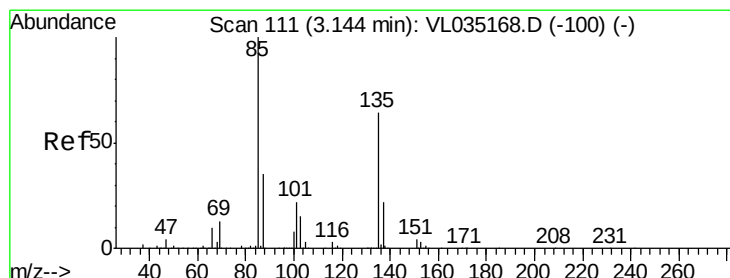
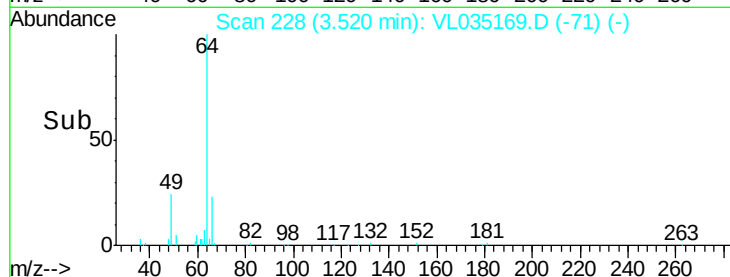
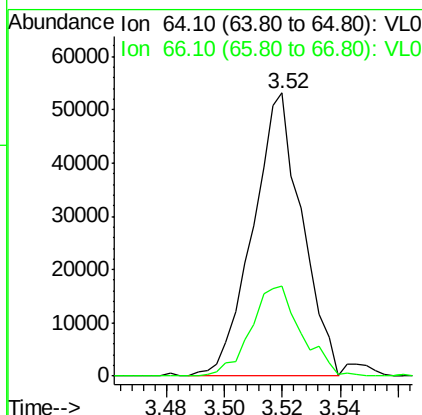
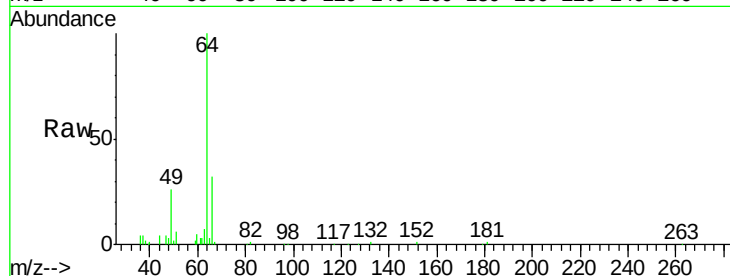
66 31.9 24.6 36.8

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 2.219 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL035169.D

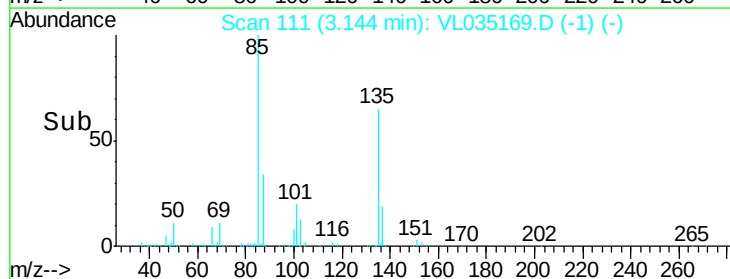
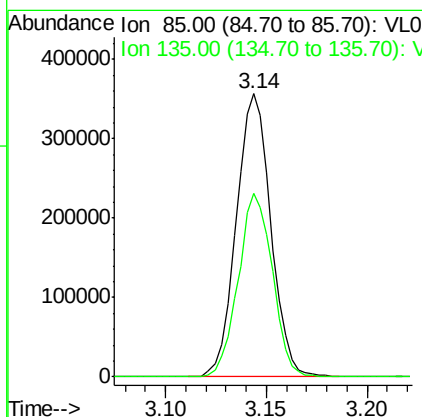
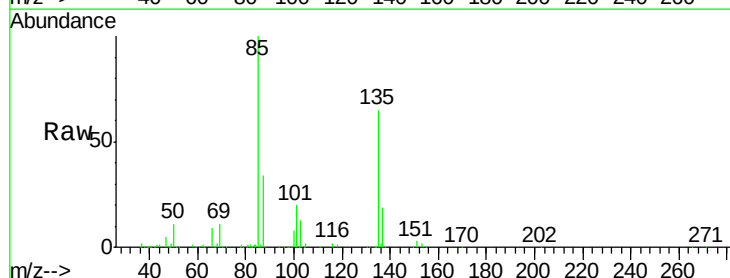
Acq: 8 Jul 2020 3:18

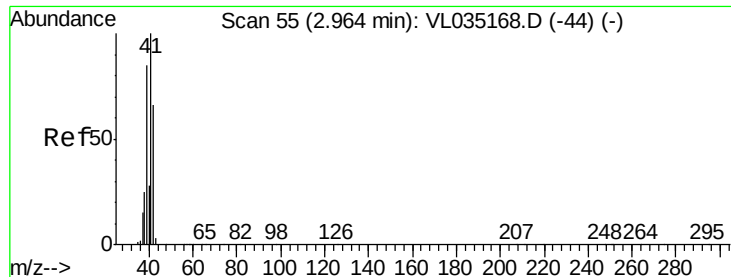
Tgt Ion: 85 Resp: 428700

Ion Ratio Lower Upper

85 100

135 64.3 52.1 78.1





#9

Propene

Concen: 2.108 ppbv

RT: 2.96 min Scan# 55

Delta R.T. 0.00 min

Lab File: VL035169.D

Acq: 8 Jul 2020 3:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 41 Resp: 121193

Ion Ratio Lower Upper

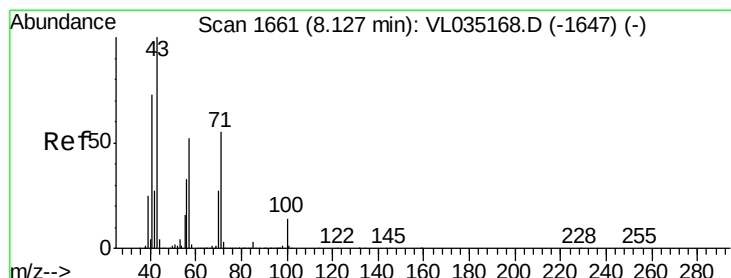
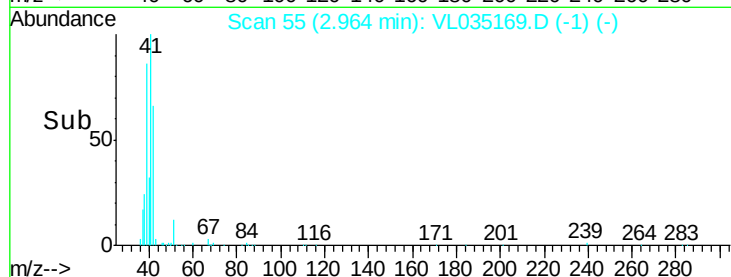
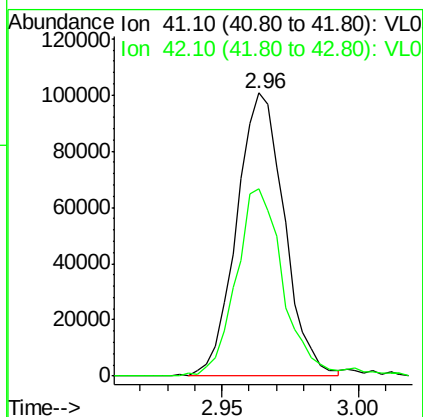
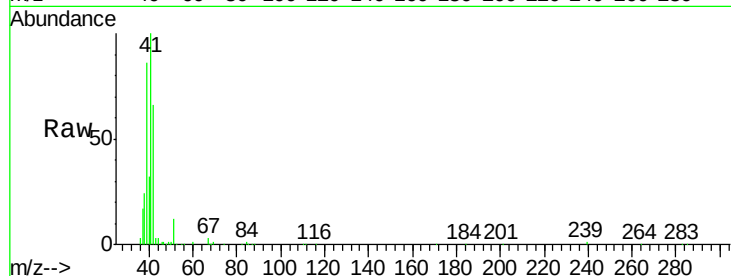
41 100

42 67.0 54.6 81.8

Manual Integrations
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#10

Heptane

Concen: 2.017 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VL035169.D

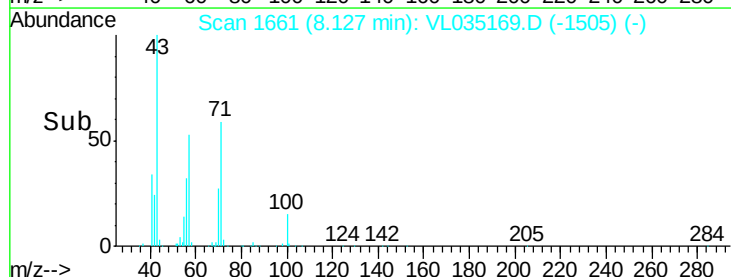
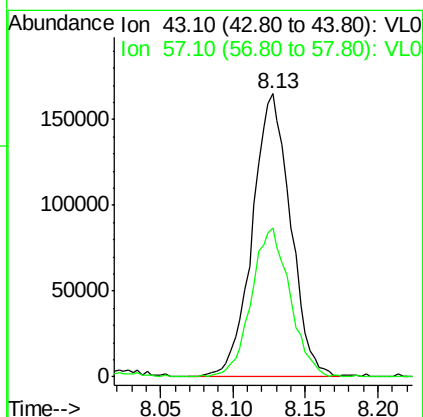
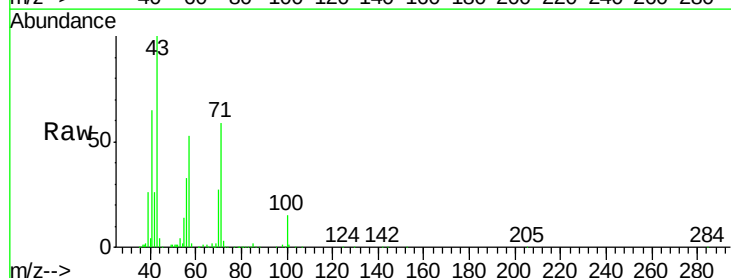
Acq: 8 Jul 2020 3:18

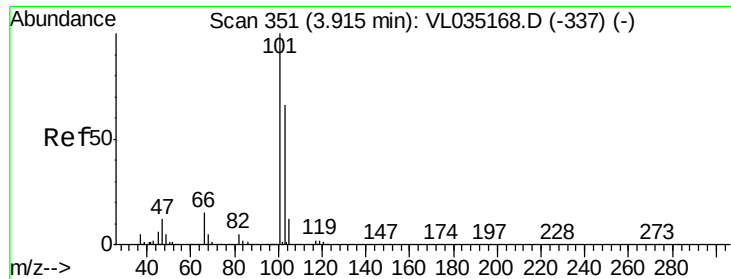
Tgt Ion: 43 Resp: 301759

Ion Ratio Lower Upper

43 100

57 53.4 41.8 62.6





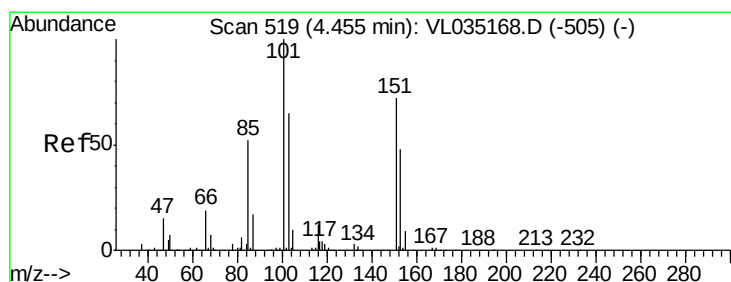
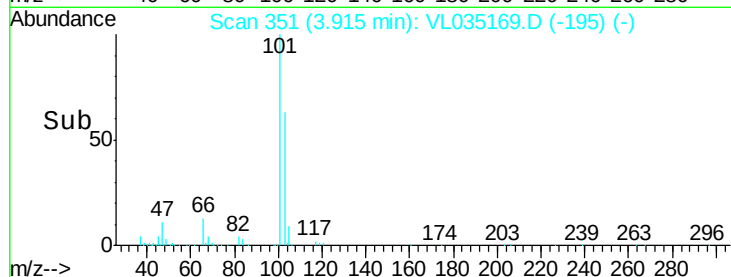
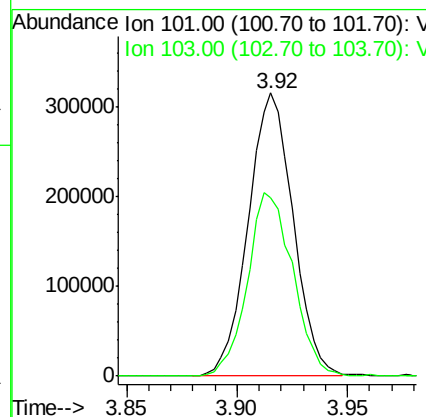
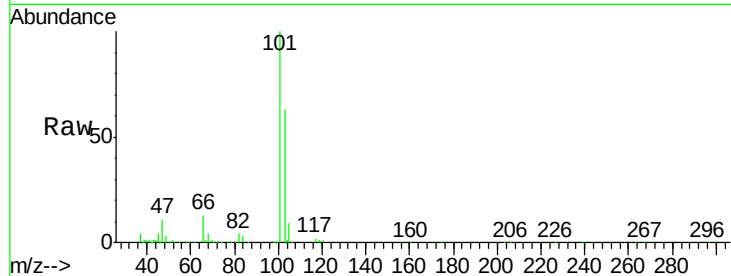
#11
 Trichlorofluoromethane
 Concen: 2.291 ppbv
 RT: 3.92 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VL035169.D
 Acq: 8 Jul 2020 3:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.9	53.1	79.7

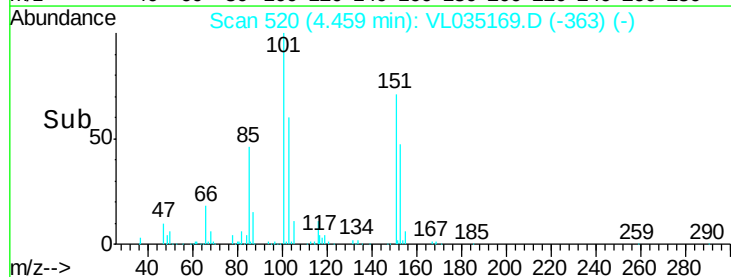
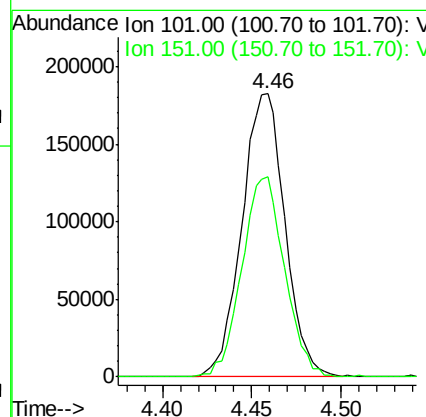
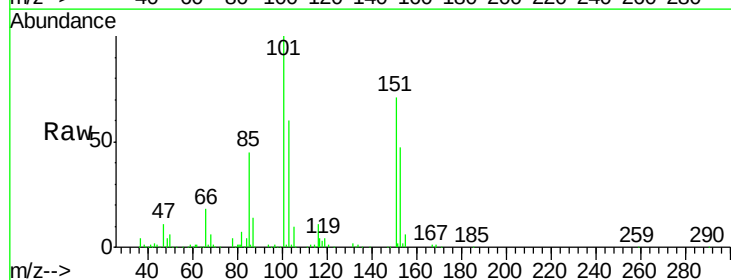
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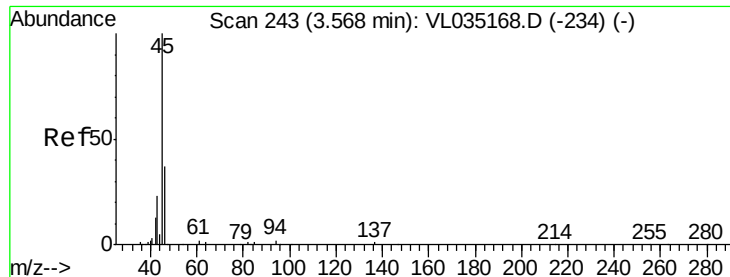
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.289 ppbv
 RT: 4.46 min Scan# 520
 Delta R.T. 0.00 min
 Lab File: VL035169.D
 Acq: 8 Jul 2020 3:18

Tgt Ion	Ratio	Lower	Upper
101	100		
151	70.2	57.0	85.4





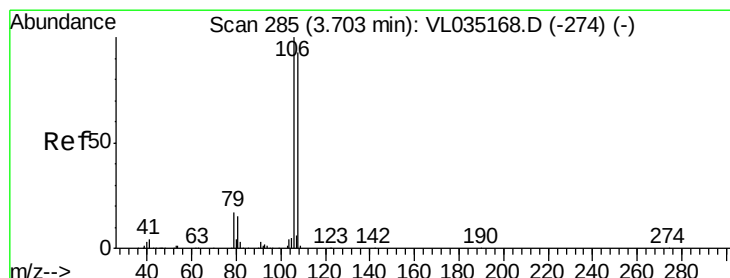
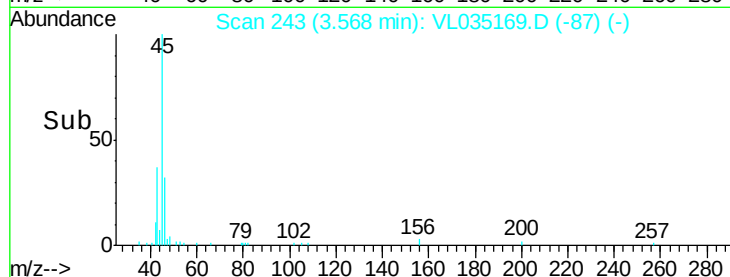
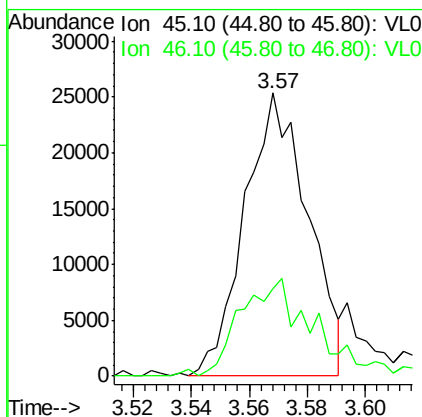
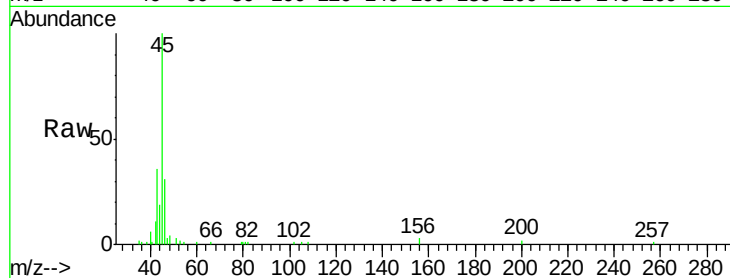
#13
Ethanol
Concen: 1.810 ppbv
RT: 3.57 min Scan# 243
Delta R.T. 0.00 min
Lab File: VL035169.D
Acq: 8 Jul 2020 3:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	45	46	Ratio	Lower	Upper
Resp:	38552				
Ion Ratio	100	41.3			
			16.2	65.0	

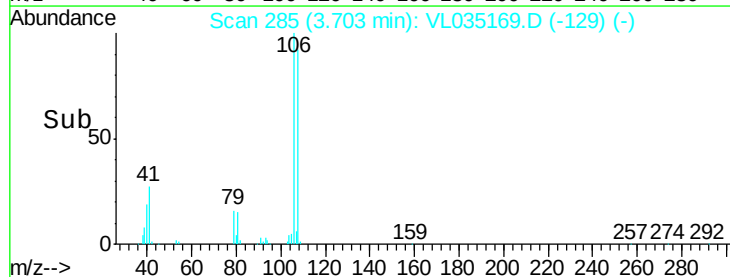
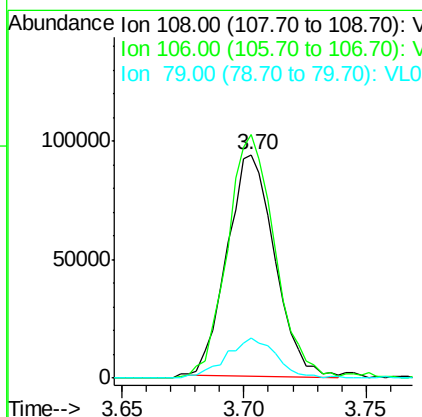
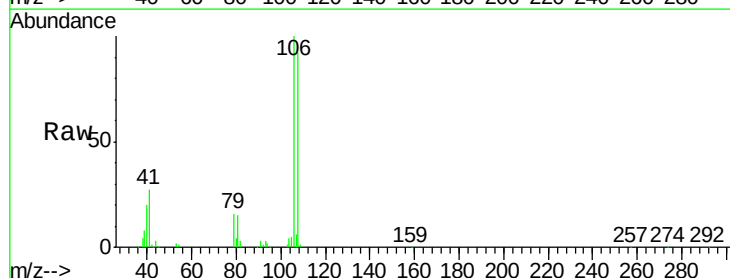
Manual Integrations
APPROVED

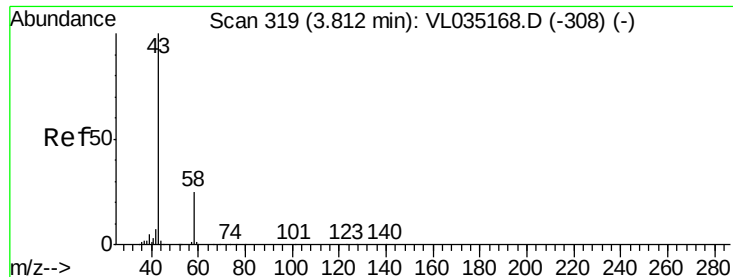
MMDadoda
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#14
Bromoethene
Concen: 2.192 ppbv
RT: 3.70 min Scan# 285
Delta R.T. 0.00 min
Lab File: VL035169.D
Acq: 8 Jul 2020 3:18

Tgt Ion	108	106	79	Ratio	Lower	Upper
Resp:	126495					
Ion Ratio	100	111.4	19.3			
				86.2	129.2	22.6





#15

Acetone

Concen: 2.387 ppbv

RT: 3.82 min Scan# 320

Delta R.T. 0.00 min

Lab File: VL035169.D

Acq: 8 Jul 2020 3:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 43 Resp: 386915

Ion Ratio Lower Upper

43 100

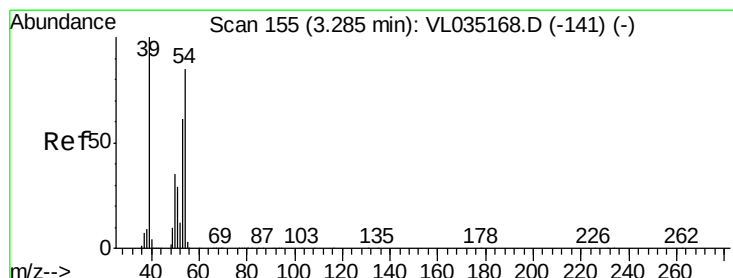
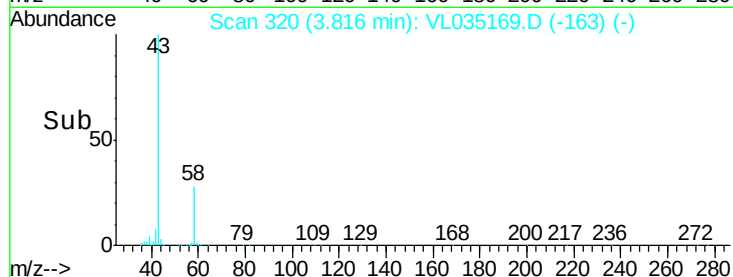
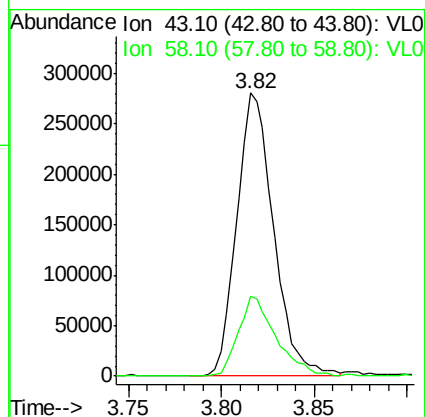
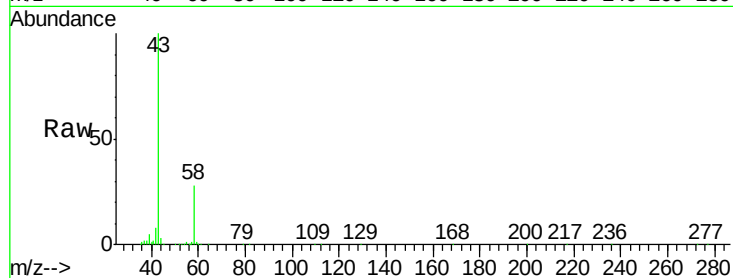
58 29.2 21.3 31.9

Manual Integrations

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#16

1,3-Butadiene

Concen: 2.111 ppbv

RT: 3.29 min Scan# 155

Delta R.T. 0.00 min

Lab File: VL035169.D

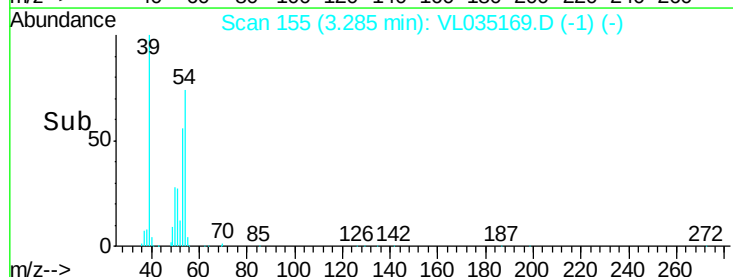
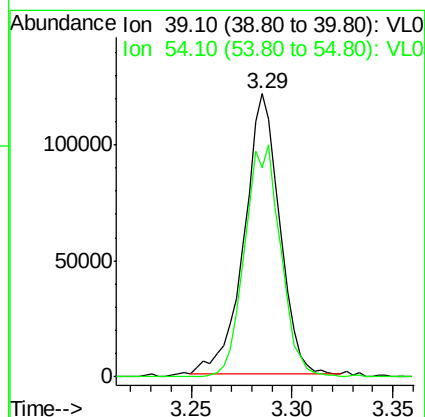
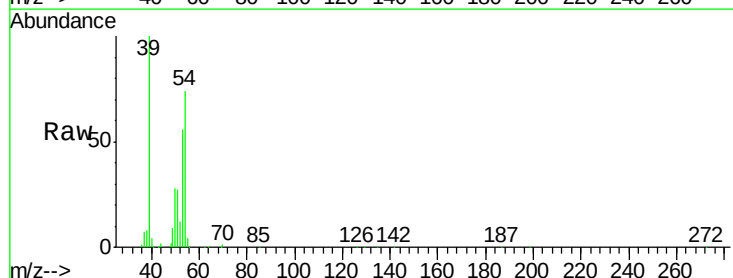
Acq: 8 Jul 2020 3:18

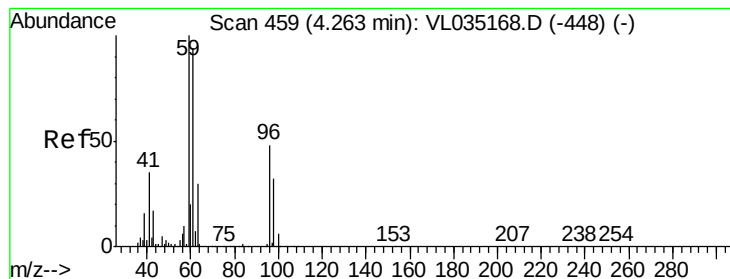
Tgt Ion: 39 Resp: 148274

Ion Ratio Lower Upper

39 100

54 84.9 67.2 100.8





#17

tert-Butyl alcohol

Concen: 2.229 ppbv

RT: 4.27 min Scan# 460

Delta R.T. 0.00 min

Lab File: VL035169.D

Acq: 8 Jul 2020 3:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 59 Resp: 321455

Ion Ratio Lower Upper

59 100

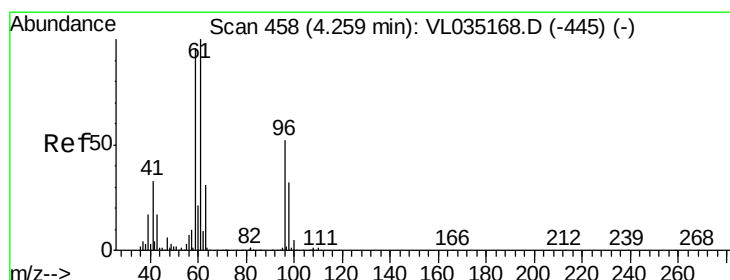
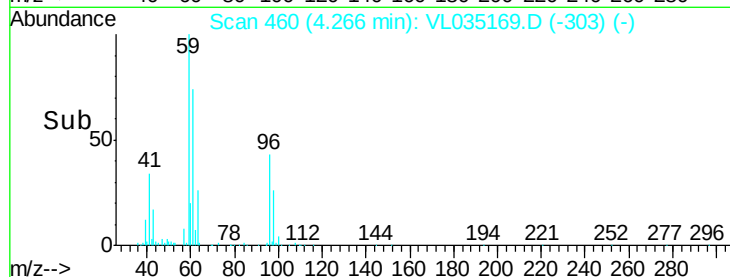
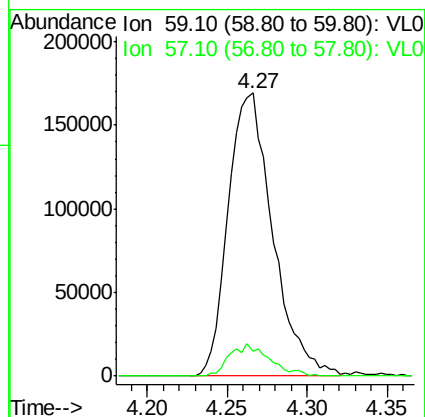
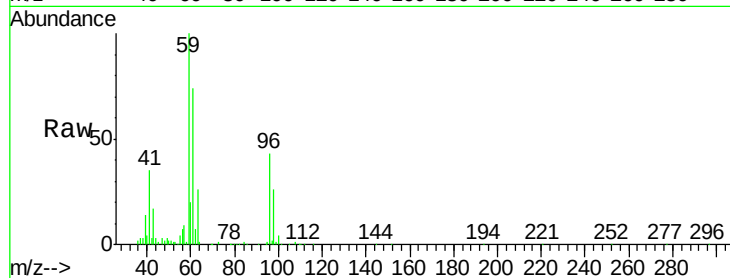
57 10.4 8.6 12.8

Manual Integrations

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#18

1,1-Dichloroethene

Concen: 2.282 ppbv

RT: 4.26 min Scan# 457

Delta R.T. -0.00 min

Lab File: VL035169.D

Acq: 8 Jul 2020 3:18

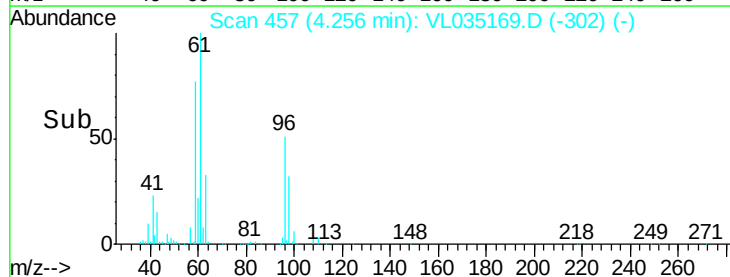
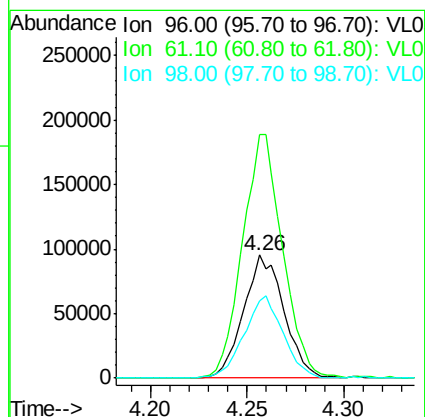
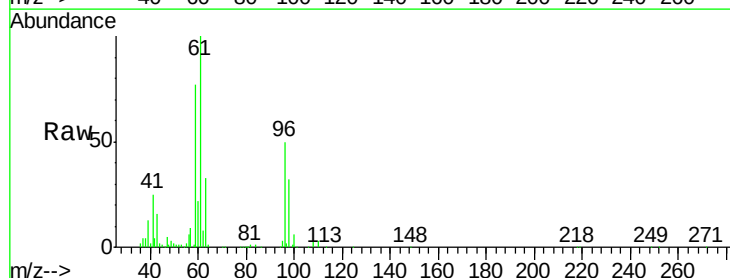
Tgt Ion: 96 Resp: 138508

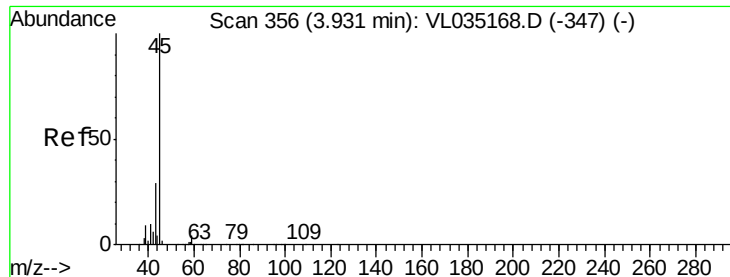
Ion Ratio Lower Upper

96 100

61 198.1 152.9 229.3

98 63.1 48.7 73.1





#19

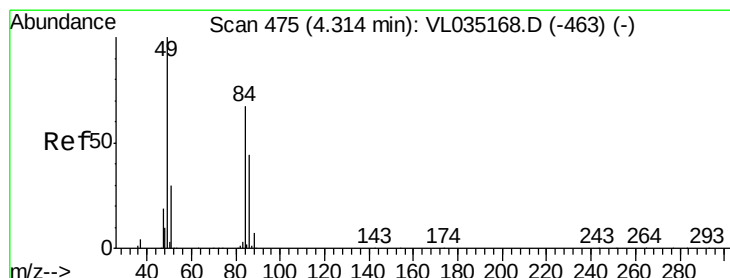
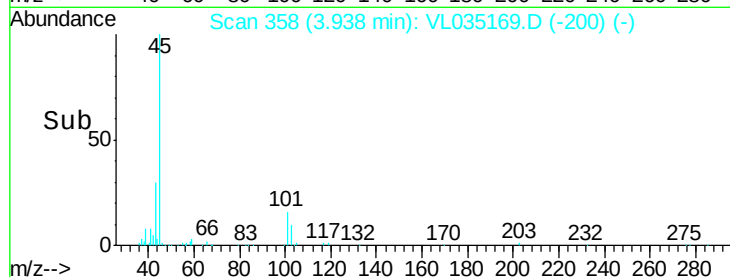
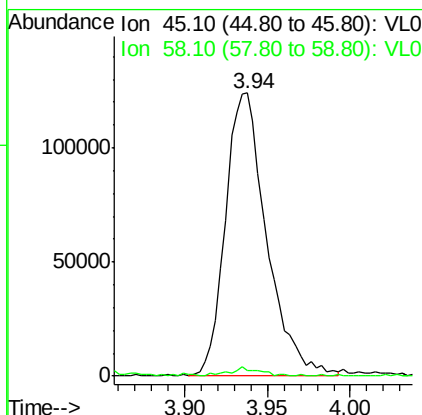
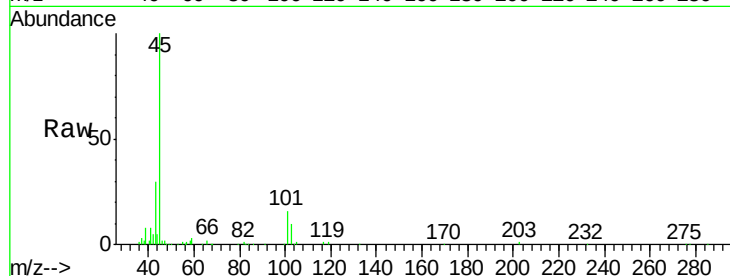
Isopropyl Alcohol
 Concen: 2.056 ppbv
 RT: 3.94 min Scan# 358
 Delta R.T. 0.01 min
 Lab File: VL035169.D
 Acq: 8 Jul 2020 3:18

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
45	100		
58	3.3	2.1	3.1#

Manual Integrations
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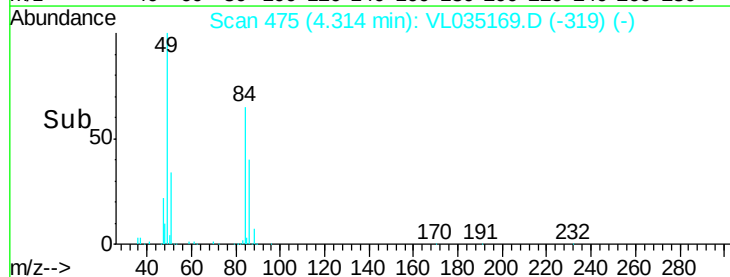
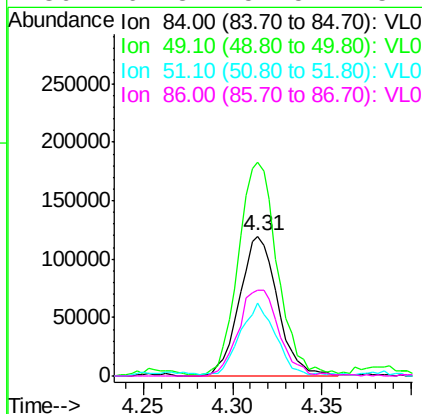
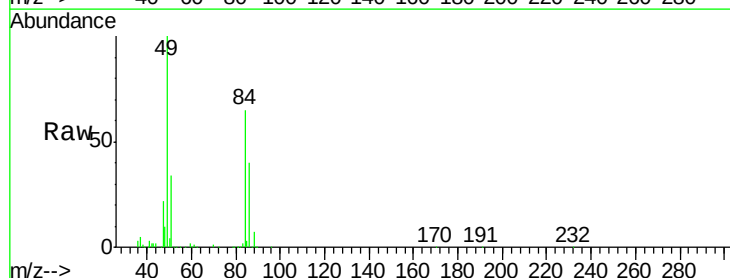
MMDadoda
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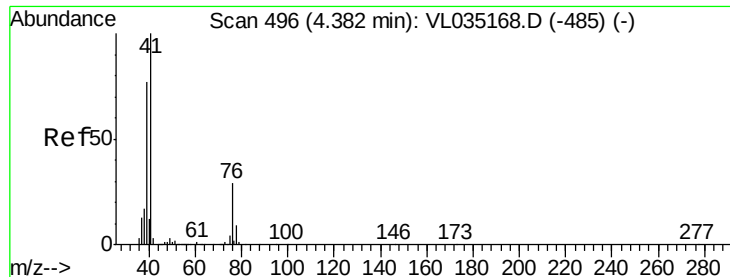


#20

Methylene Chloride
 Concen: 2.708 ppbv
 RT: 4.31 min Scan# 475
 Delta R.T. 0.00 min
 Lab File: VL035169.D
 Acq: 8 Jul 2020 3:18

Tgt Ion	Ratio	Lower	Upper
84	100		
49	151.7	119.4	179.0
51	50.7	36.6	55.0
86	61.3	52.5	78.7





#21

Allvl Chloride

Concen: 2.276 ppbv

RT: 4.38 min Scan# 496

Delta R.T. 0.00 min

Lab File: VL035169.D

Acq: 8 Jul 2020 3:18

Instrument :

MSVOA_L

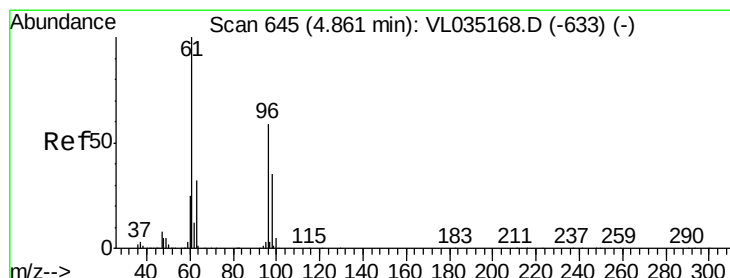
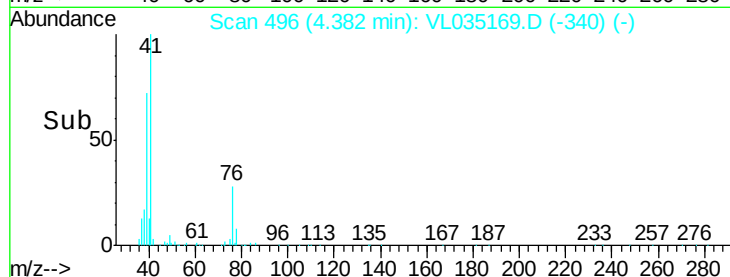
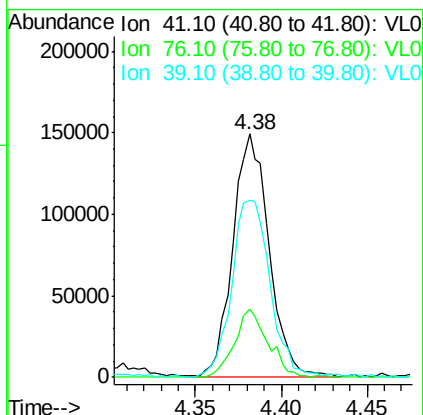
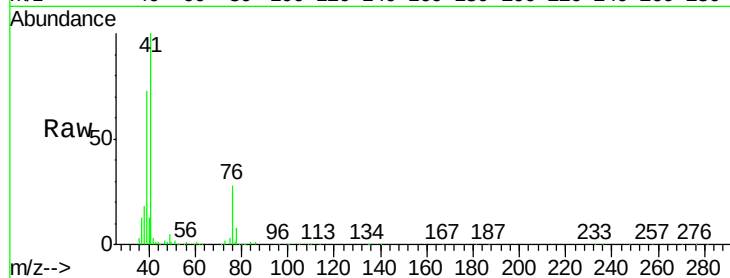
ClientSampleId :

VSTDIC002

Tot Ion	Ratio	Lower	Upper
41	100		
76	26.3	23.5	35.3
39	77.9	63.4	95.0

Manual Integrations
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#22

trans-1,2-Dichloroethene

Concen: 2.323 ppbv

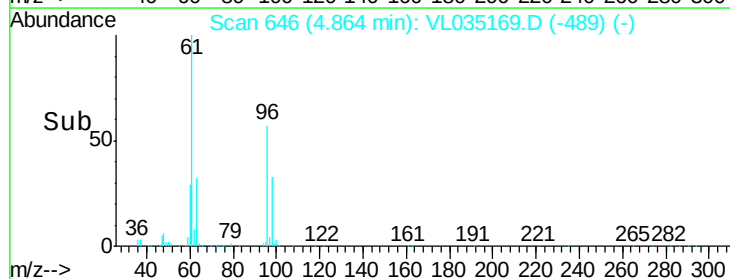
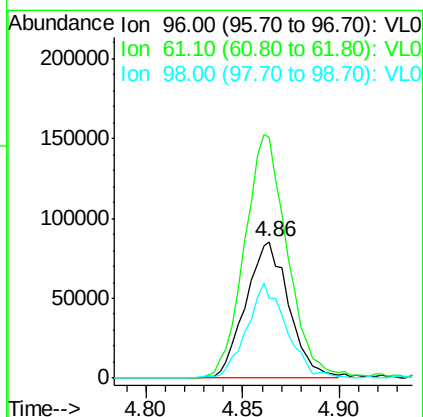
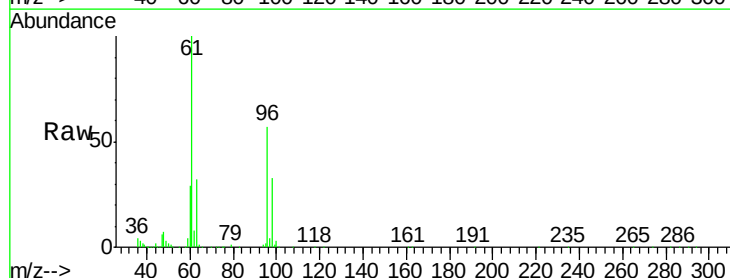
RT: 4.86 min Scan# 646

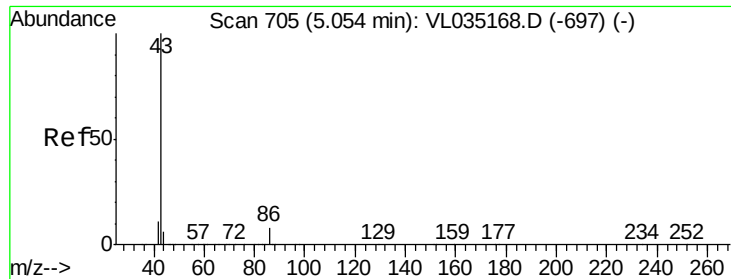
Delta R.T. 0.00 min

Lab File: VL035169.D

Acq: 8 Jul 2020 3:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	176.3	136.5	204.7
98	58.3	47.5	71.3





#23

Vinyl Acetate

Concen: 2.167 ppbv

RT: 5.05 min Scan# 704

Delta R.T. -0.00 min

Lab File: VL035169.D

Acq: 8 Jul 2020 3:18

Instrument :

MSVOA_L

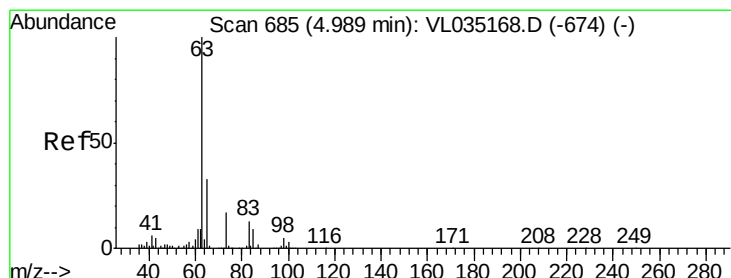
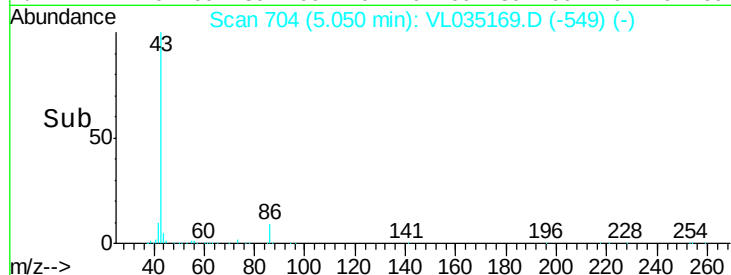
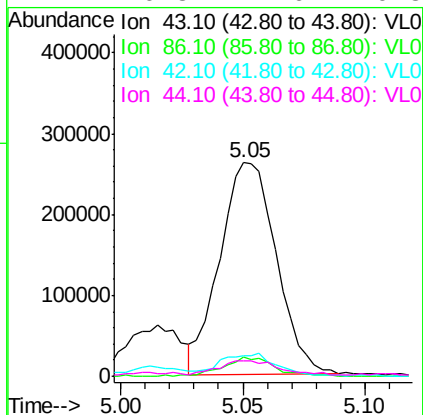
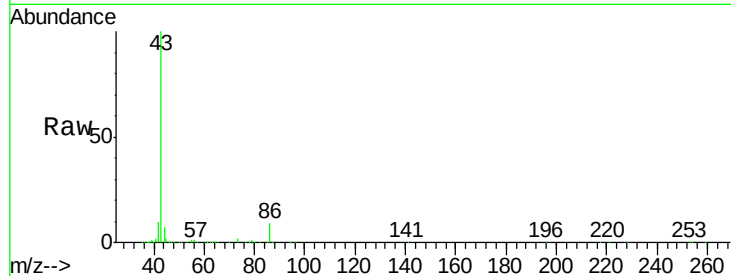
ClientSampleId :

VSTDIC002

Tot Ion	43	Resp	420332
Ion Ratio	Lower	Upper	
43	100		
86	8.9	6.2	9.2
42	9.4	9.1	13.7
44	6.8	4.6	6.8

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 2.133 ppbv

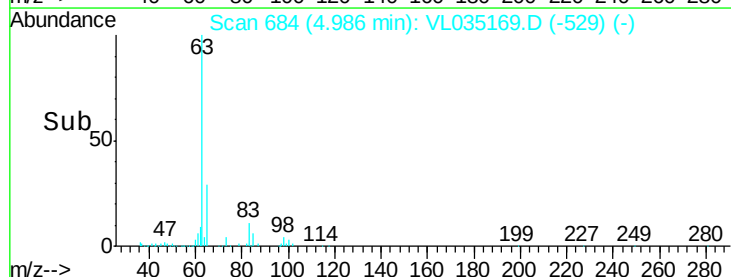
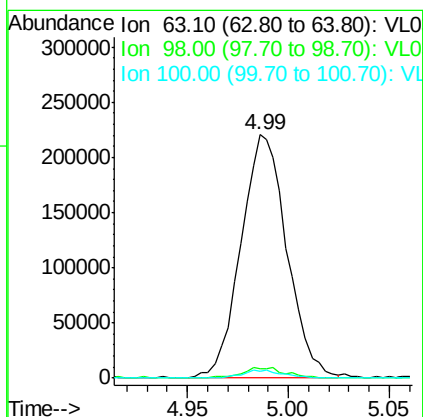
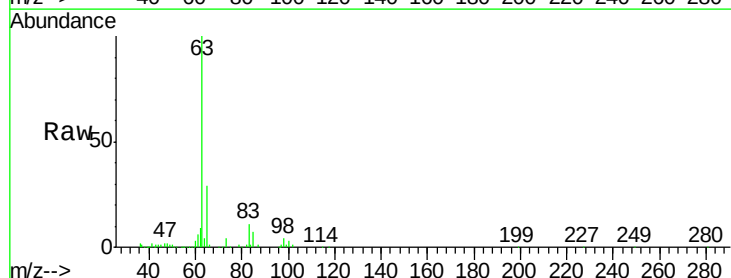
RT: 4.99 min Scan# 684

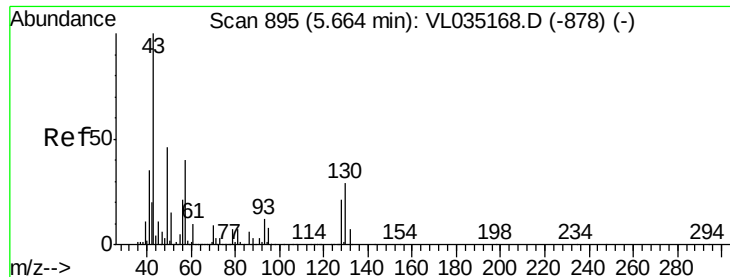
Delta R.T. -0.00 min

Lab File: VL035169.D

Acq: 8 Jul 2020 3:18

Tgt Ion	63	Resp	350928
Ion Ratio	Lower	Upper	
63	100		
98	4.0	2.4	7.1
100	2.6	1.4	4.0





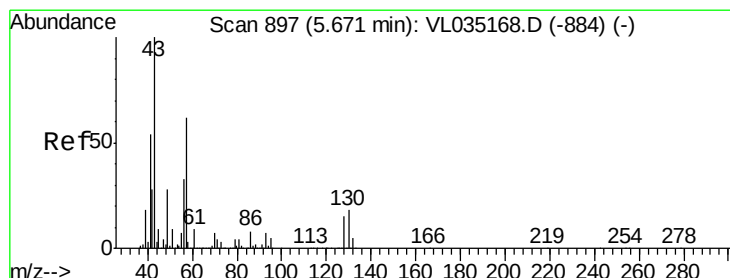
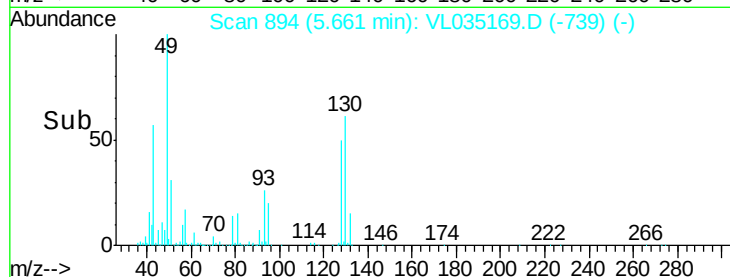
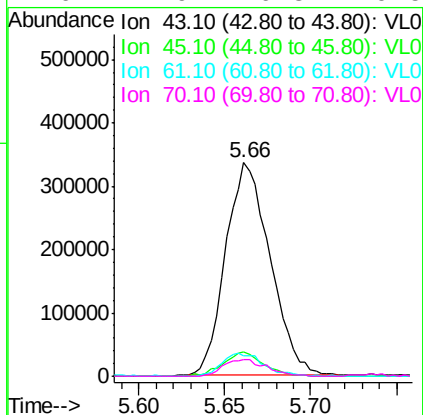
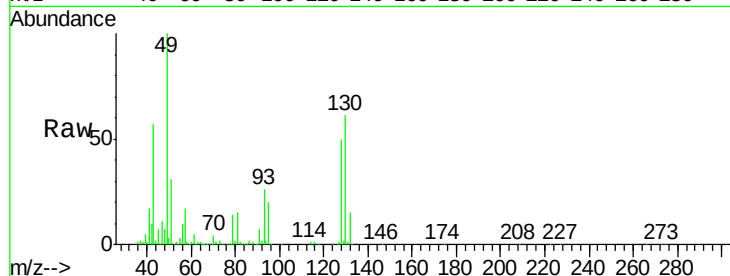
#25
Ethyl Acetate
Concen: 2.072 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.00 min
Lab File: VL035169.D
Acq: 8 Jul 2020 3:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		599432		
45	10.6	8.5	12.7		
61	10.3	8.1	12.1		
70	7.9	6.3	9.5		

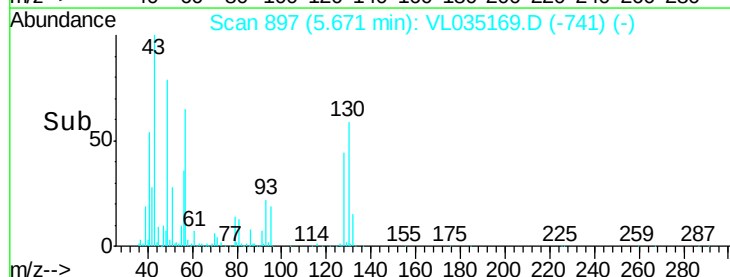
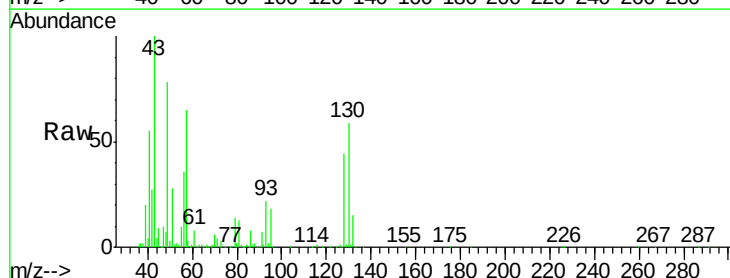
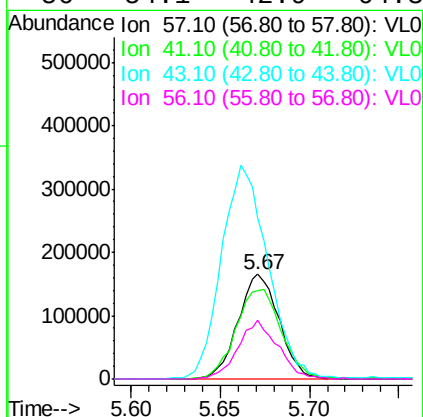
Manual Integrations
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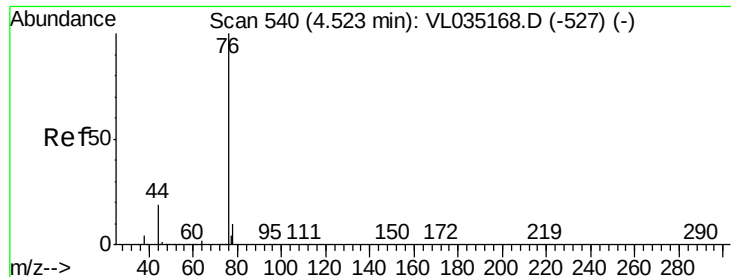
MMDadoda
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#26
Hexane
Concen: 2.043 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.00 min
Lab File: VL035169.D
Acq: 8 Jul 2020 3:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100		267033		
41	94.5	72.9	109.3		
43	232.2	179.5	269.3		
56	54.1	42.9	64.3		





#27

Carbon Disulfide

Concen: 2.601 ppbv

RT: 4.52 min Scan# 540

Delta R.T. 0.00 min

Lab File: VL035169.D

Acq: 8 Jul 2020 3:18

Instrument :

MSVOA_L

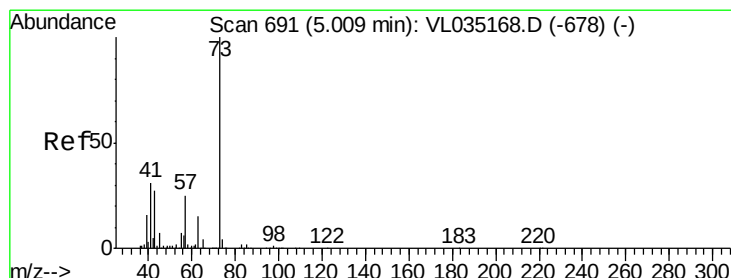
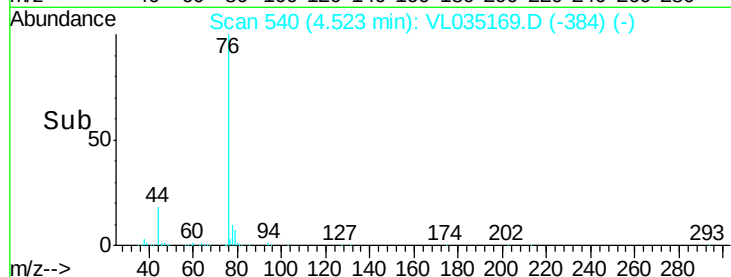
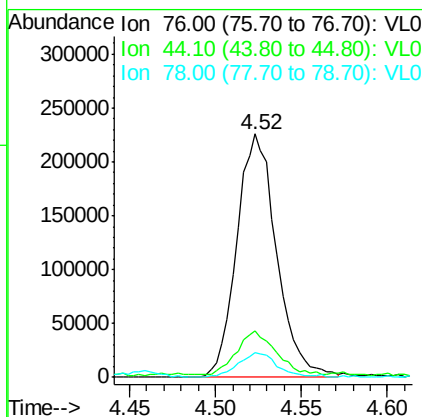
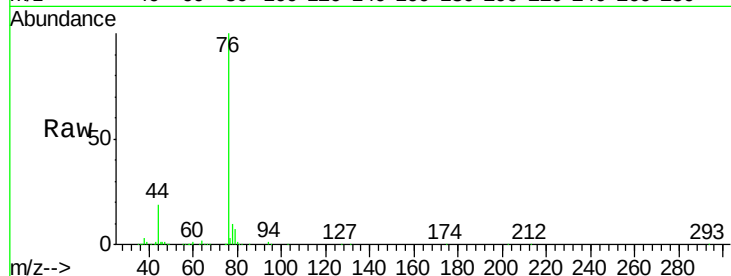
ClientSampleId :

VSTDIC002

Tot Ion:	76	Resp:	362785
Ion Ratio	Lower	Upper	
76	100		
44	19.7	14.9	22.3
78	10.7	7.5	11.3

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 2.216 ppbv

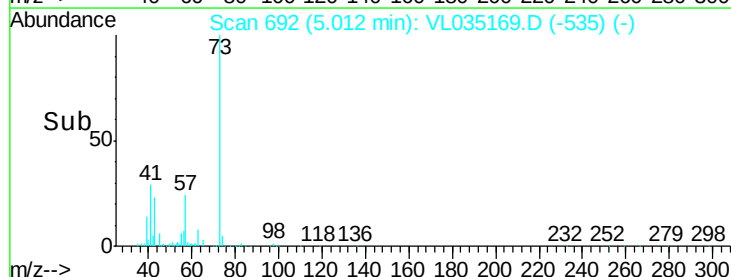
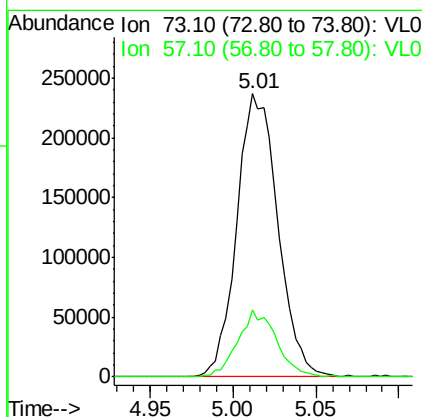
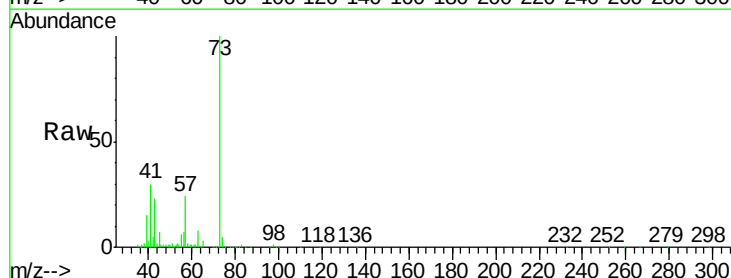
RT: 5.01 min Scan# 692

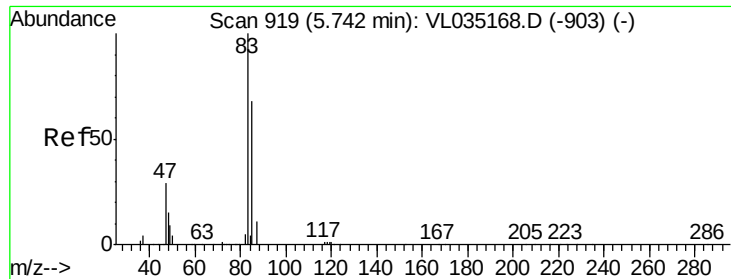
Delta R.T. 0.00 min

Lab File: VL035169.D

Acq: 8 Jul 2020 3:18

Tgt Ion:	73	Resp:	407589
Ion Ratio	Lower	Upper	
73	100		
57	22.4	18.1	27.1





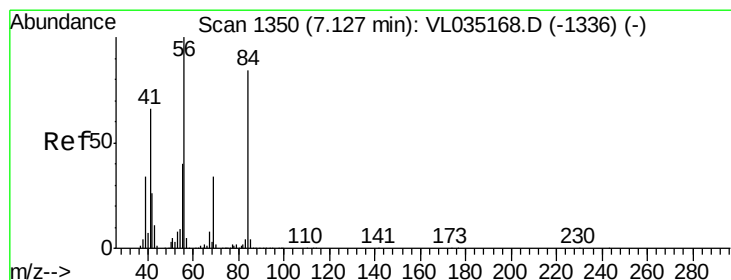
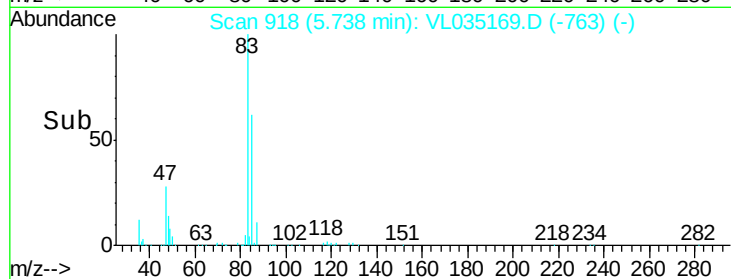
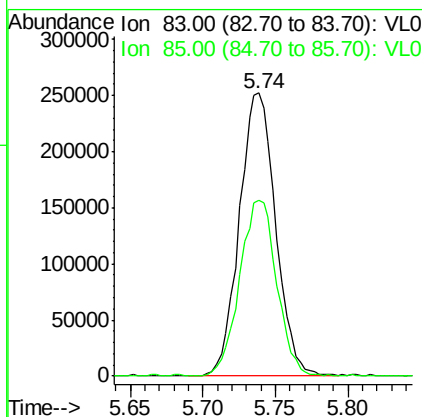
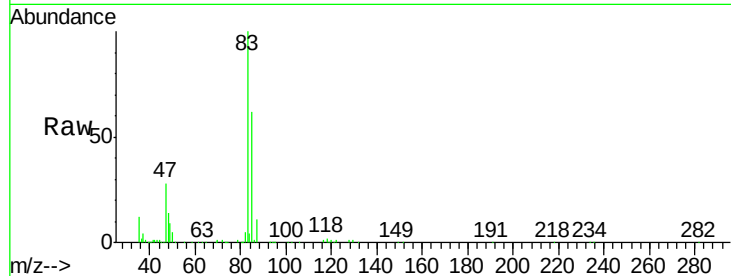
#29
Chloroform
Concen: 2.142 ppbv
RT: 5.74 min Scan# 918
Delta R.T. -0.00 min
Lab File: VL035169.D
Acq: 8 Jul 2020 3:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tot Ion	83	Resp	438909
Ion Ratio	Lower	Upper	
83	100		
85	61.9	54.3	81.5

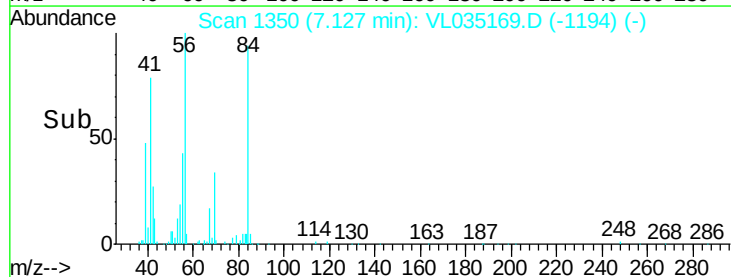
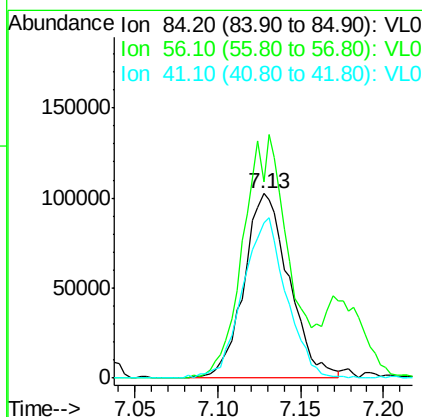
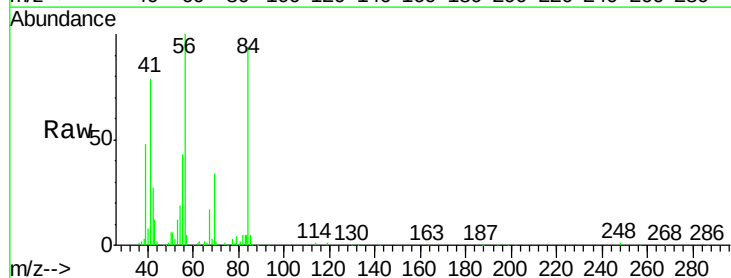
Manual Integrations
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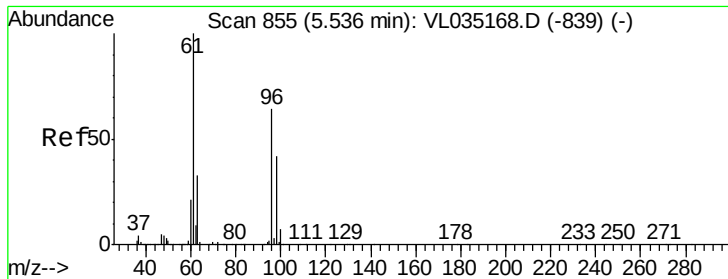
MMDadoda
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#30
Cyclohexane
Concen: 2.072 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VL035169.D
Acq: 8 Jul 2020 3:18

Tgt Ion	84	Resp	193702
Ion Ratio	Lower	Upper	
84	100		
56	136.1	105.6	158.4
41	85.0	64.9	97.3





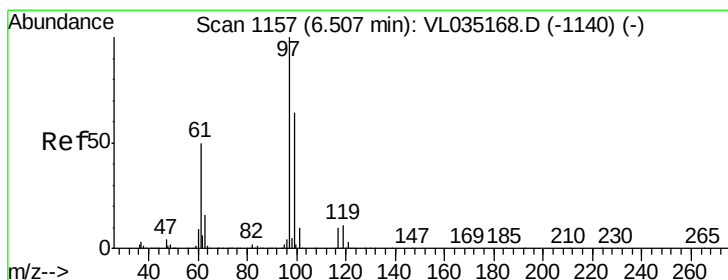
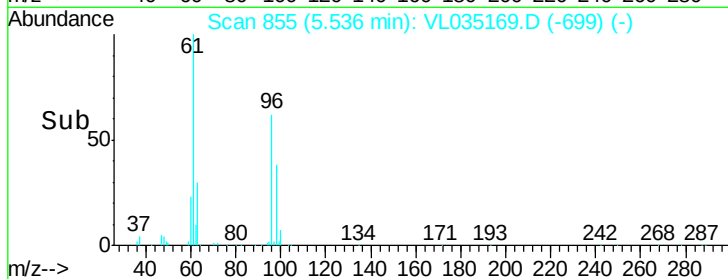
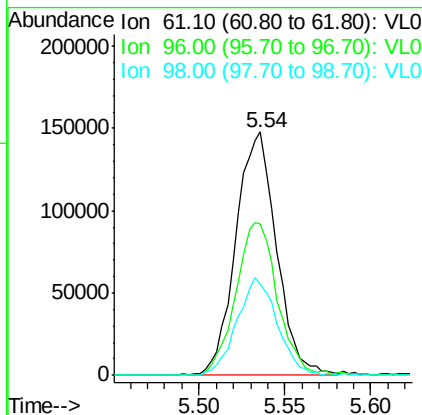
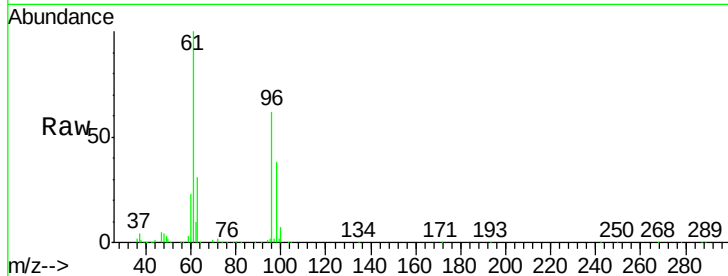
#31
 cis-1,2-Dichloroethene
 Concen: 2.038 ppbv
 RT: 5.54 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VL035169.D
 Acq: 8 Jul 2020 3:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
61	100		
96	62.3	51.3	76.9
98	37.6	33.8	50.8

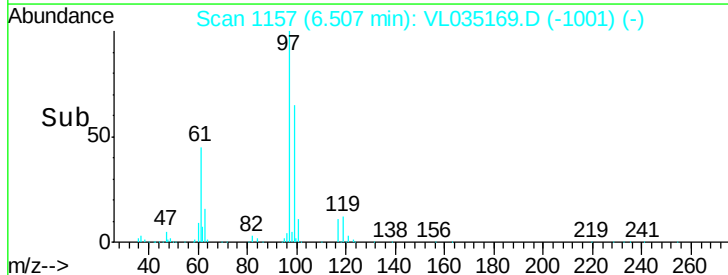
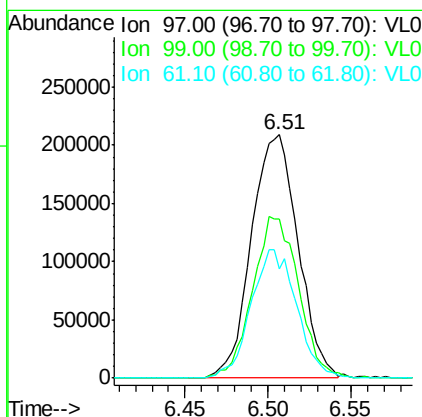
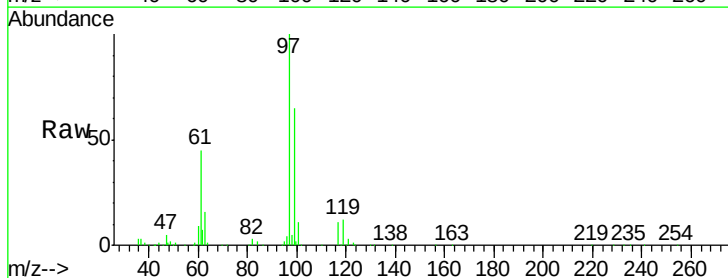
Manual Integrations
 APPROVED

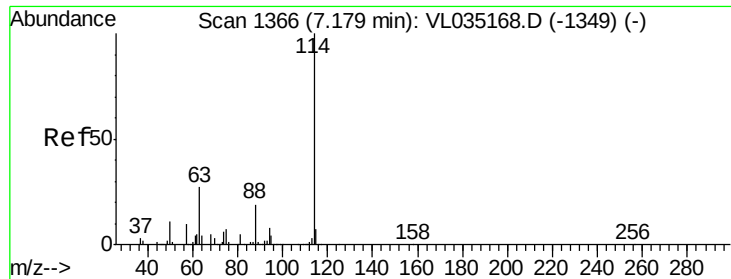
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#32
 1,1,1-Trichloroethane
 Concen: 2.150 ppbv
 RT: 6.51 min Scan# 1157
 Delta R.T. 0.00 min
 Lab File: VL035169.D
 Acq: 8 Jul 2020 3:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.2	76.8
61	51.6	40.9	61.3





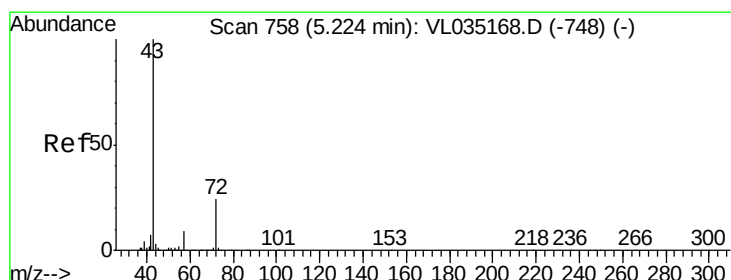
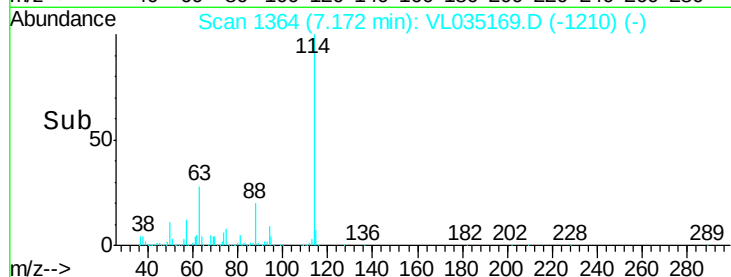
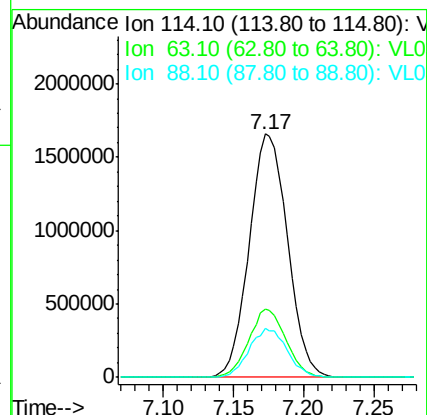
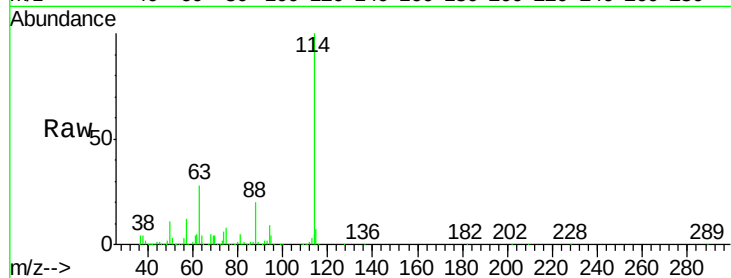
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VL035169.D
 Acq: 8 Jul 2020 3:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.2	22.0	33.0
88	19.8	15.4	23.0

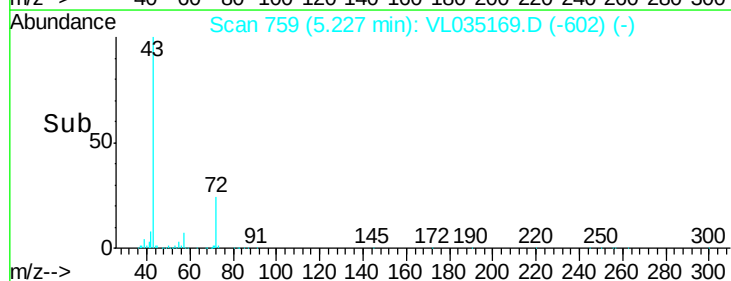
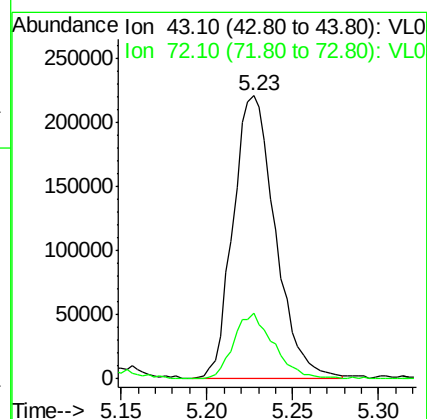
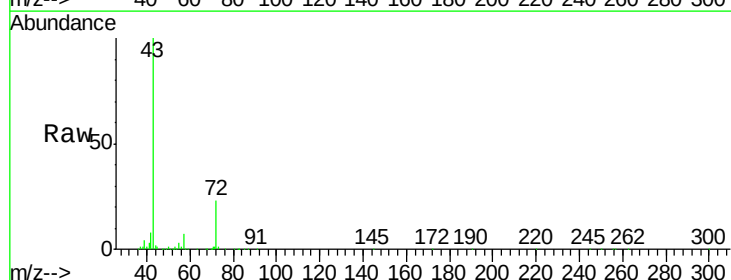
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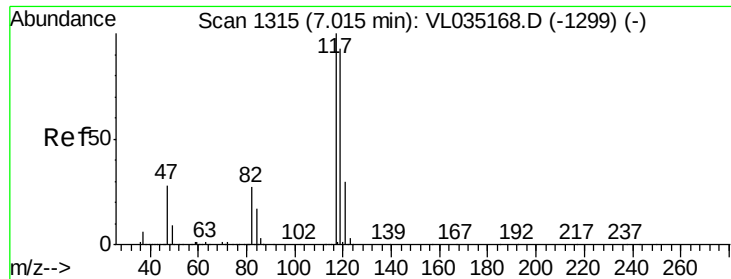
MMDadoda
 7/9/2020 12:02:28 PM



#34
 2-Butanone
 Concen: 2.092 ppbv
 RT: 5.23 min Scan# 759
 Delta R.T. 0.00 min
 Lab File: VL035169.D
 Acq: 8 Jul 2020 3:18

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.4	18.6	28.0





#35

Carbon Tetrachloride

Concen: 2.217 ppbv

RT: 7.01 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VL035169.D

Acq: 8 Jul 2020 3:18

Instrument :

MSVOA_L

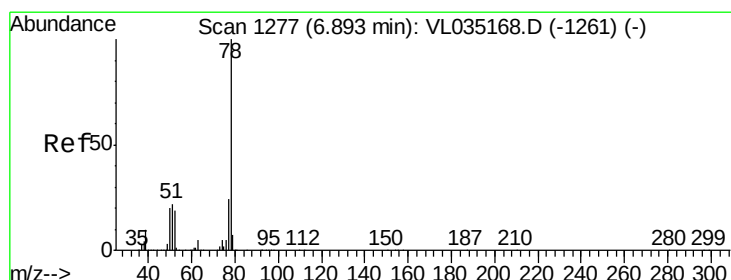
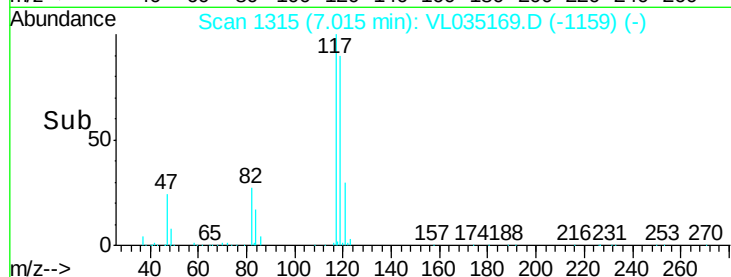
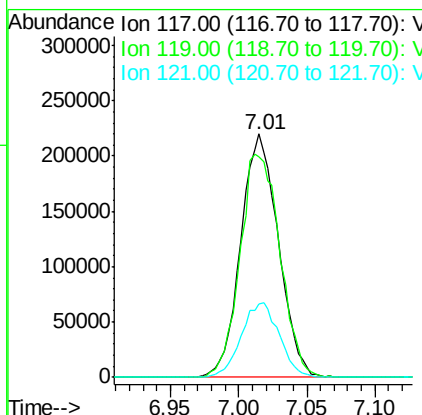
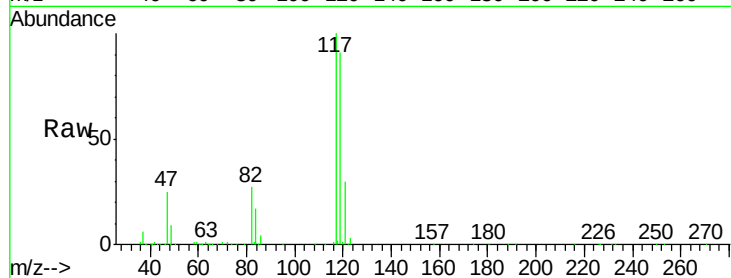
ClientSampleId :

VSTDIC002

Tot Ion:	117	Resp:	421948
Ion Ratio	Lower	Upper	
117	100		
119	90.6	74.8	112.2
121	30.4	24.2	36.2

Manual Integrations
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#36

Benzene

Concen: 2.045 ppbv

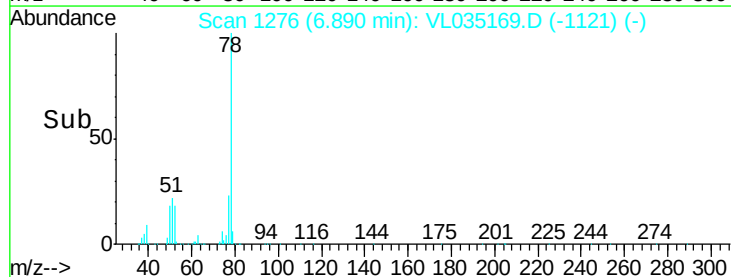
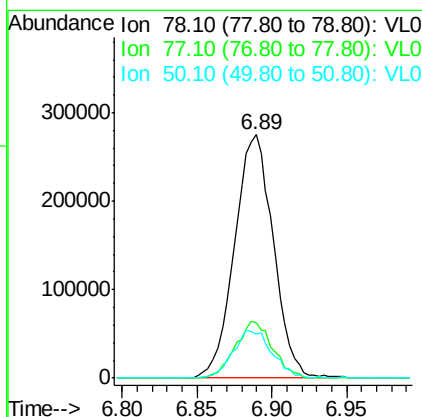
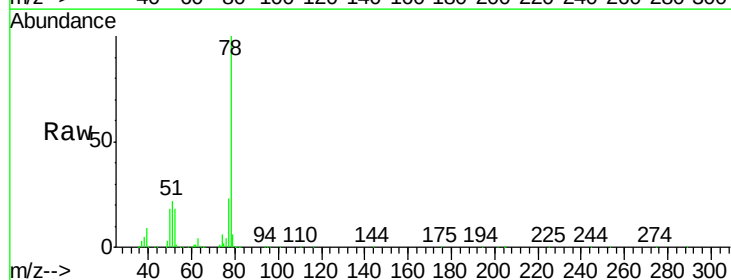
RT: 6.89 min Scan# 1276

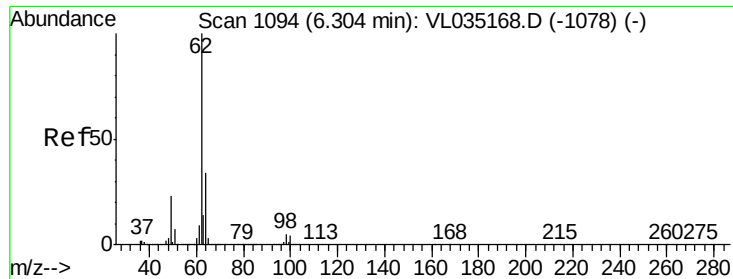
Delta R.T. -0.00 min

Lab File: VL035169.D

Acq: 8 Jul 2020 3:18

Tgt Ion:	78	Resp:	495216
Ion Ratio	Lower	Upper	
78	100		
77	22.5	19.3	28.9
50	18.2	16.0	24.0





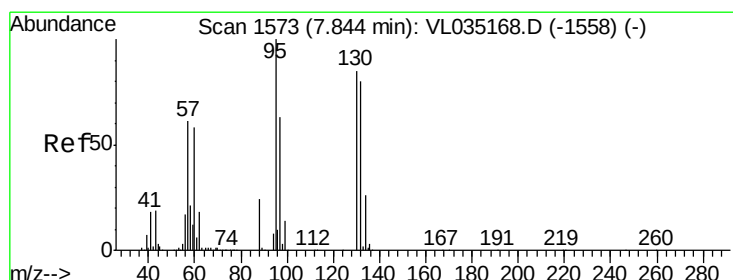
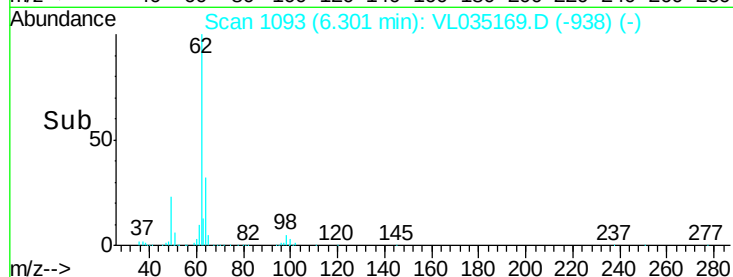
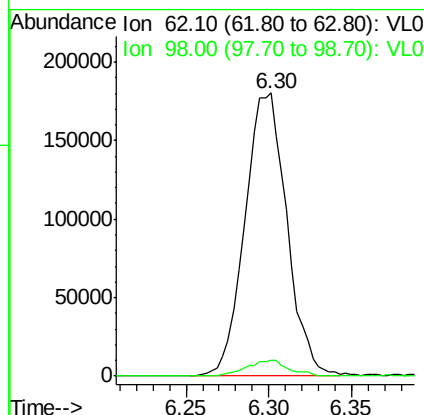
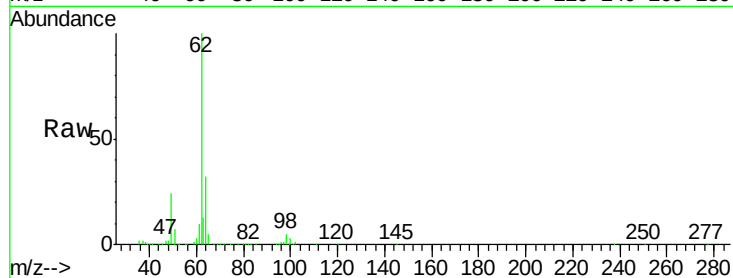
#37
 1,2-Dichloroethane
 Concen: 2.068 ppbv
 RT: 6.30 min Scan# 1093
 Delta R.T. -0.00 min
 Lab File: VL035169.D
 Acq: 8 Jul 2020 3:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
62	100	318734		
98	5.8	4.6	6.8	

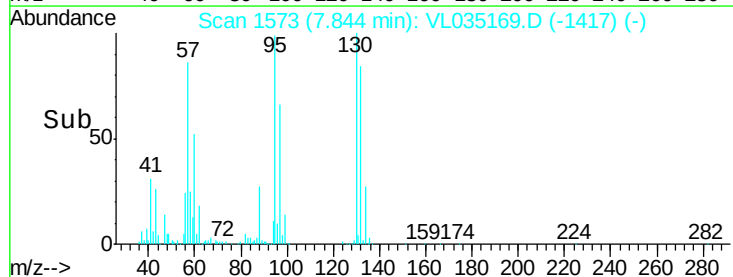
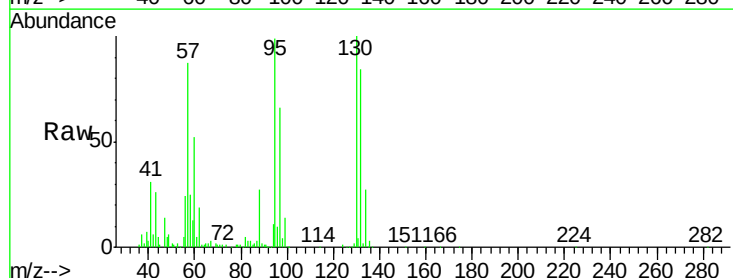
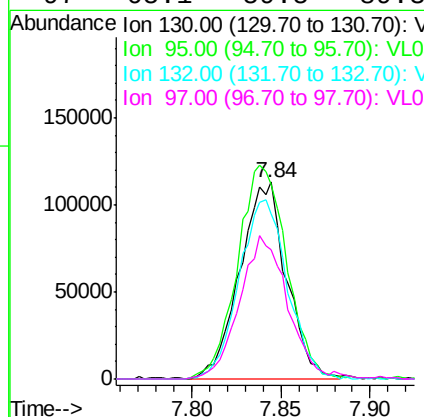
Manual Integrations
 APPROVED

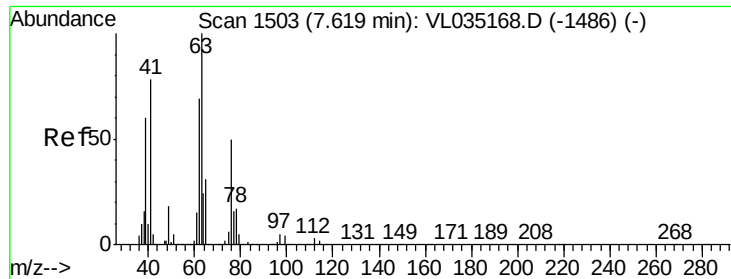
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#38
 Trichloroethene
 Concen: 2.172 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VL035169.D
 Acq: 8 Jul 2020 3:18

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	206096		
95	98.1	93.8	140.8	
132	83.9	75.0	112.4	
97	65.1	59.5	89.3	





#39

1,2-Dichloropropane

Concen: 2.102 ppbv

RT: 7.62 min Scan# 1502

Delta R.T. -0.00 min

Lab File: VL035169.D

Acq: 8 Jul 2020 3:18

Instrument :

MSVOA_L

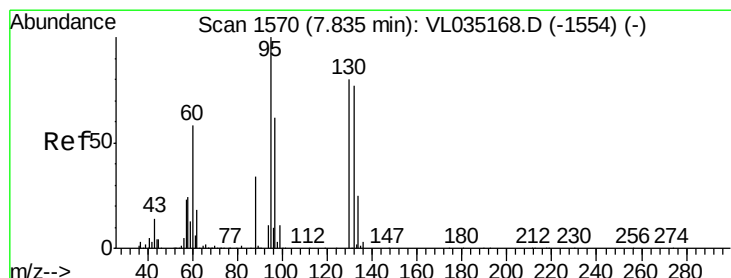
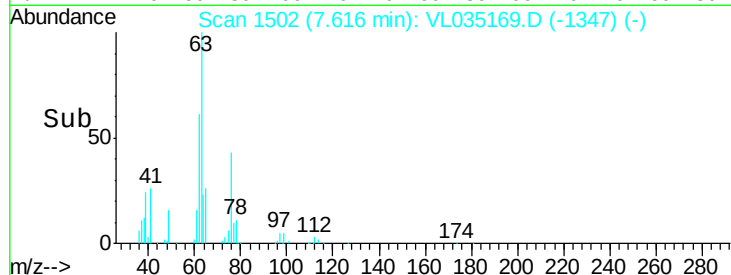
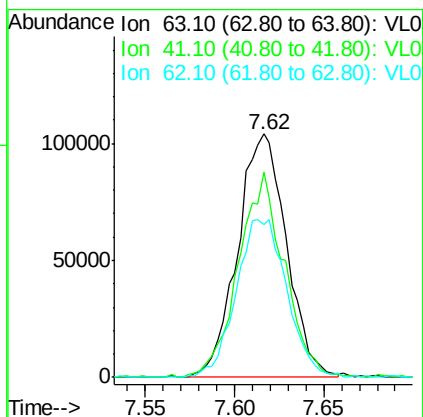
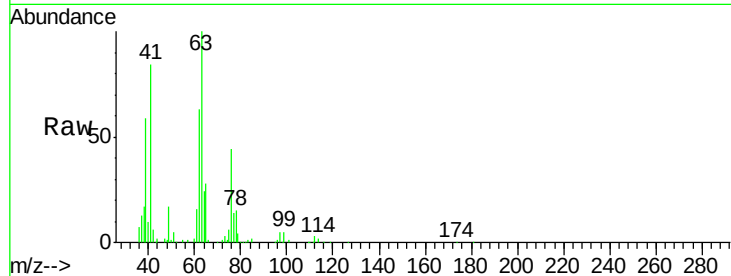
ClientSampleId :

VSTDIC002

Tot Ion:	63	Resp:	198540
Ion Ratio	Lower	Upper	
63	100		
41	83.3	62.6	94.0
62	61.9	55.0	82.6

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#40

1,4-Dioxane

Concen: 1.889 ppbv m

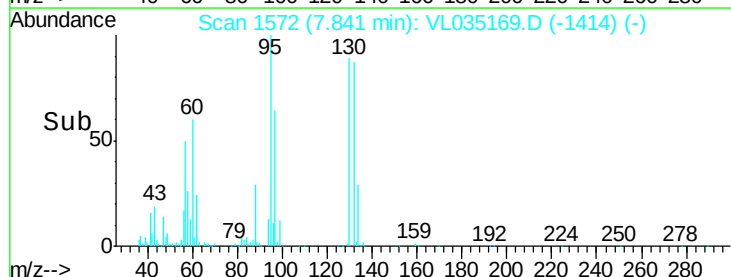
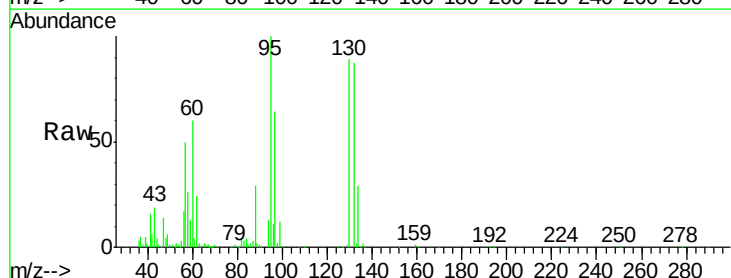
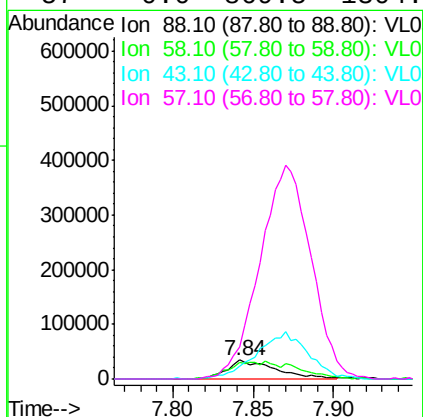
RT: 7.84 min Scan# 1572

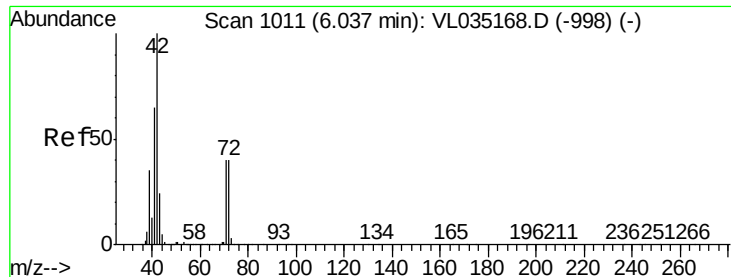
Delta R.T. 0.01 min

Lab File: VL035169.D

Acq: 8 Jul 2020 3:18

Tgt Ion:	88	Resp:	72225
Ion Ratio	Lower	Upper	
88	100		
58	0.0	100.2	150.4#
43	0.0	199.8	299.8#
57	0.0	869.5	1304.3#





#41

Tetrahydrofuran

Concen: 2.117 ppbv

RT: 6.04 min Scan# 1013

Delta R.T. 0.01 min

Lab File: VL035169.D

Acq: 8 Jul 2020 3:18

Instrument :

MSVOA_L

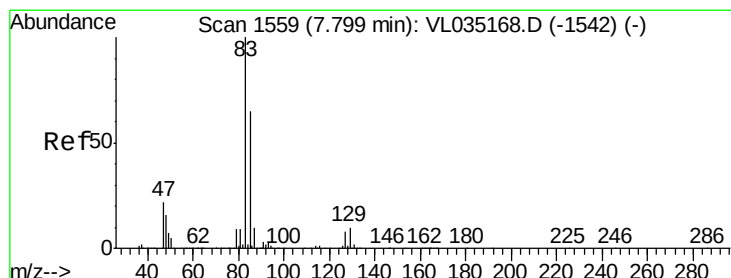
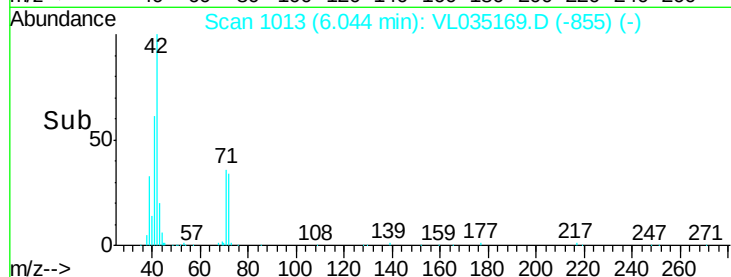
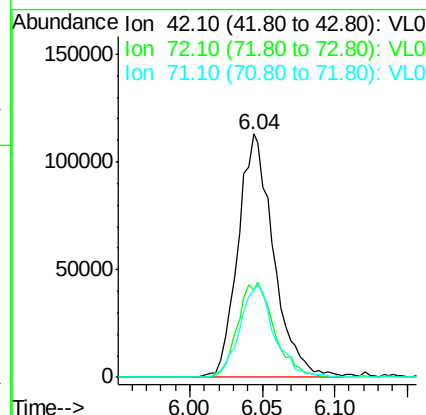
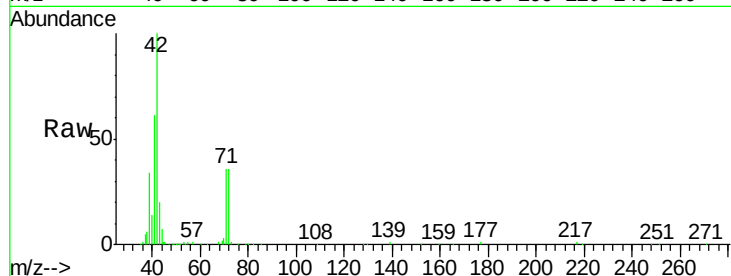
ClientSampleId :

VSTDIC002

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.1	33.4	50.2
71	37.3	31.9	47.9

Manual Integrations
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#42

Bromodichloromethane

Concen: 2.222 ppbv

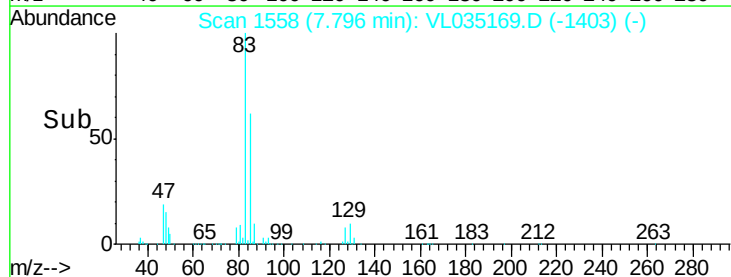
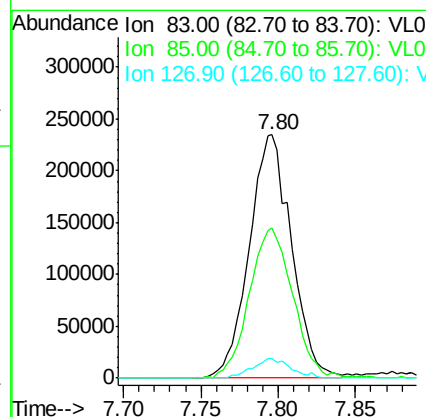
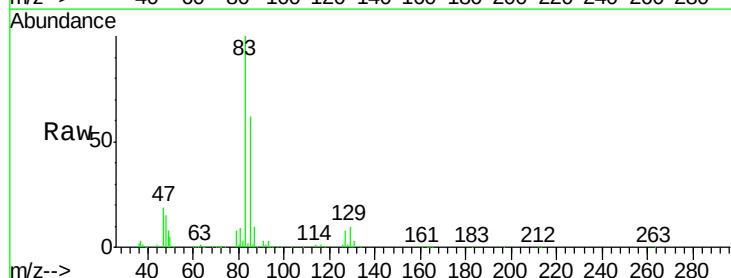
RT: 7.80 min Scan# 1558

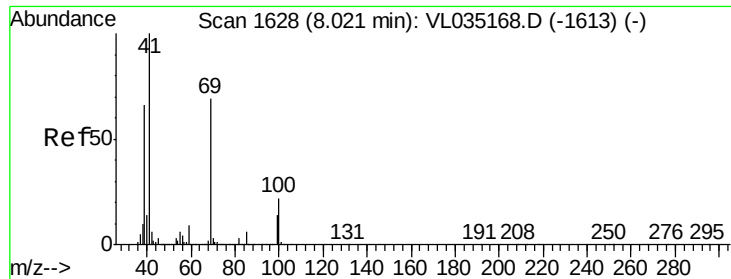
Delta R.T. -0.00 min

Lab File: VL035169.D

Acq: 8 Jul 2020 3:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.0	52.2	78.4
127	8.0	6.3	9.5





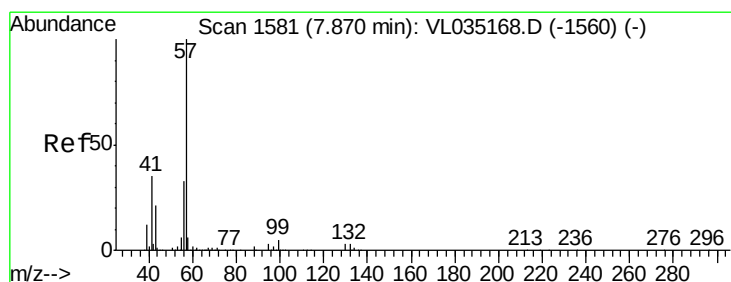
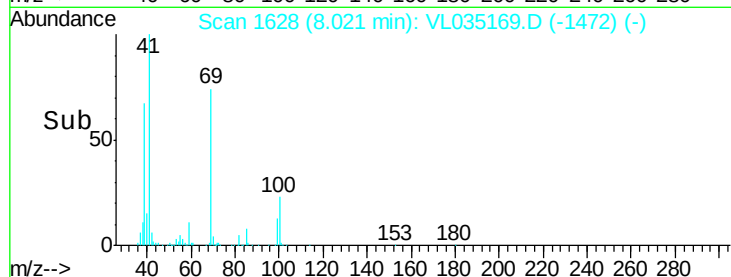
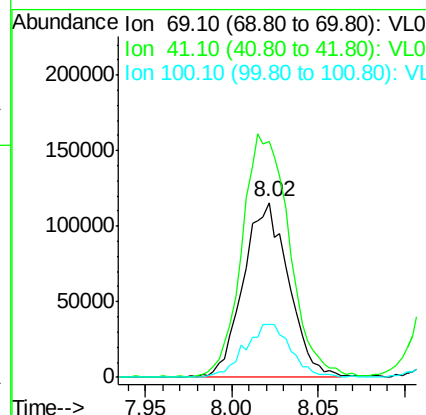
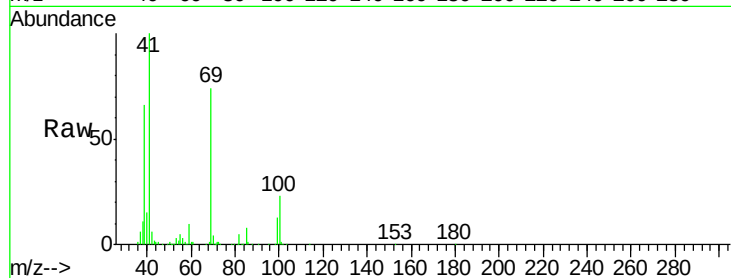
#43
Methyl Methacrylate
Concen: 2.055 ppbv m
RT: 8.02 min Scan# 1628
Delta R.T. 0.00 min
Lab File: VL035169.D
Acq: 8 Jul 2020 3:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	146.9	116.3	174.5	
100	31.5	25.6	38.4	

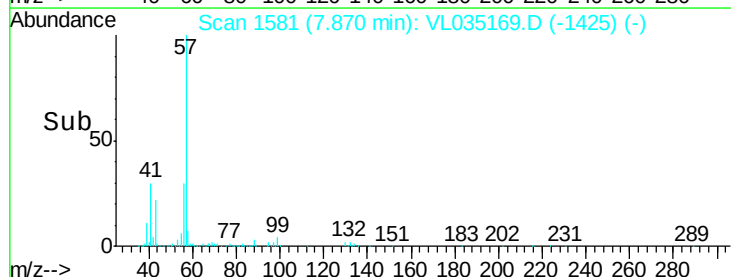
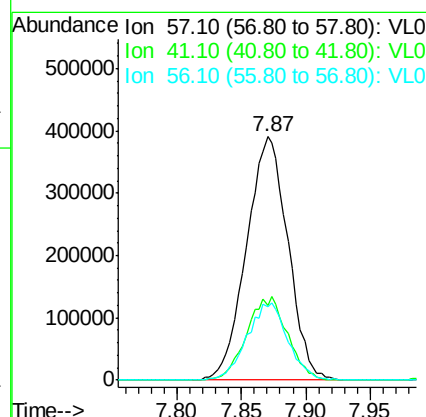
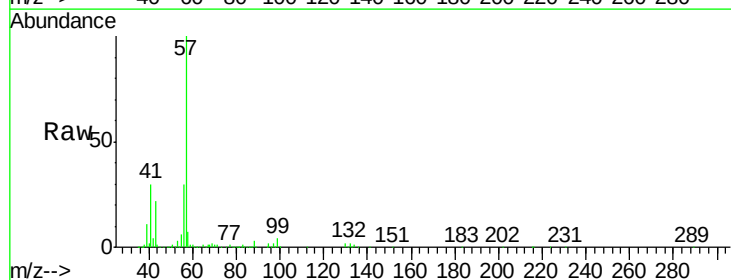
Manual Integrations
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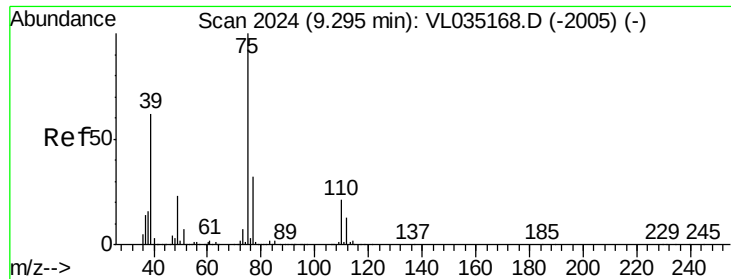
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 2.065 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VL035169.D
Acq: 8 Jul 2020 3:18

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	33.8	27.0	40.6	
56	31.2	25.5	38.3	





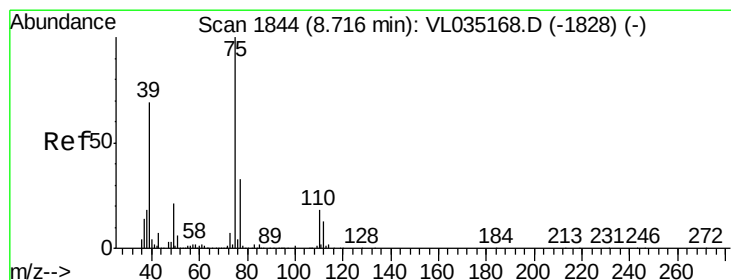
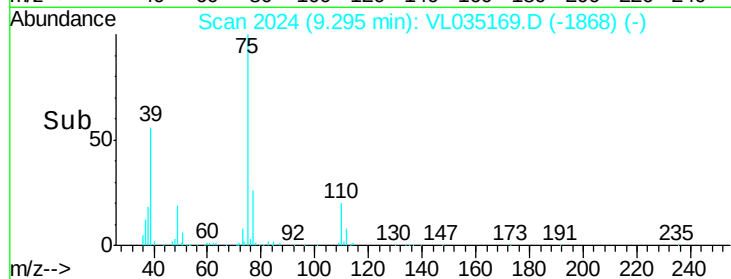
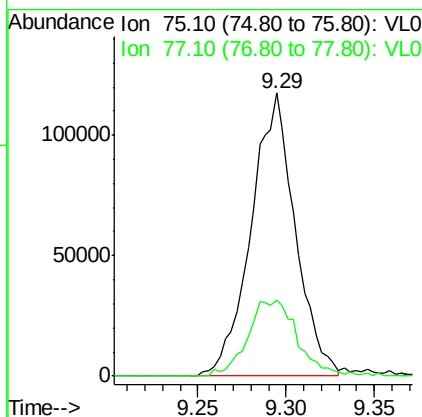
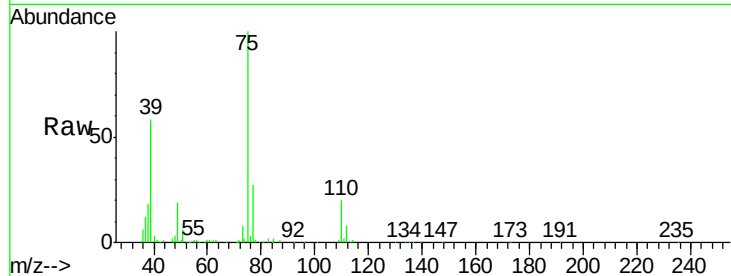
#45
 t-1,3-Dichloropropene
 Concen: 2.048 ppbv m
 RT: 9.29 min Scan# 2024
 Delta R.T. 0.00 min
 Lab File: VL035169.D
 Acq: 8 Jul 2020 3:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion: 75 Resp: 205030
 Ion Ratio Lower Upper
 75 100
 77 26.7 25.8 38.8

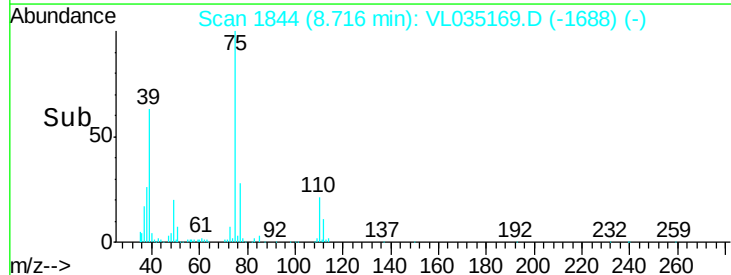
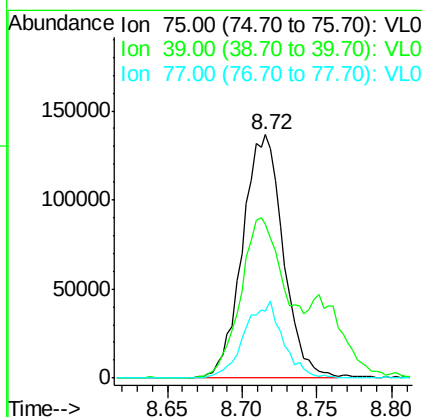
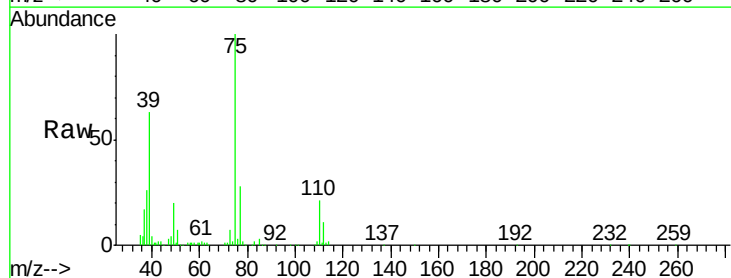
Manual Integrations
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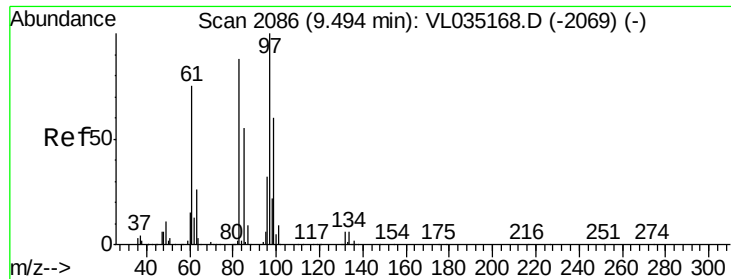
MMDadoda
 7/9/2020 12:02:28 PM



#46
 cis-1,3-Dichloropropene
 Concen: 2.081 ppbv
 RT: 8.72 min Scan# 1844
 Delta R.T. 0.00 min
 Lab File: VL035169.D
 Acq: 8 Jul 2020 3:18

Tgt Ion: 75 Resp: 258291
 Ion Ratio Lower Upper
 75 100
 39 63.0 55.2 82.8
 77 27.6 26.0 39.0





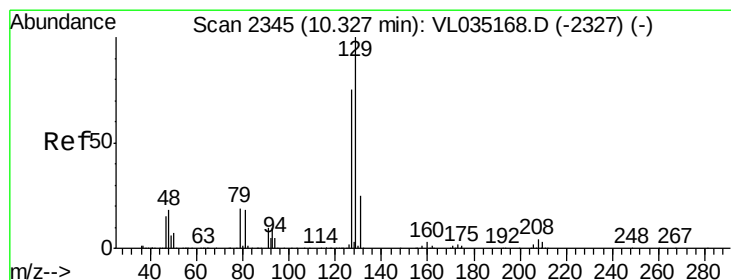
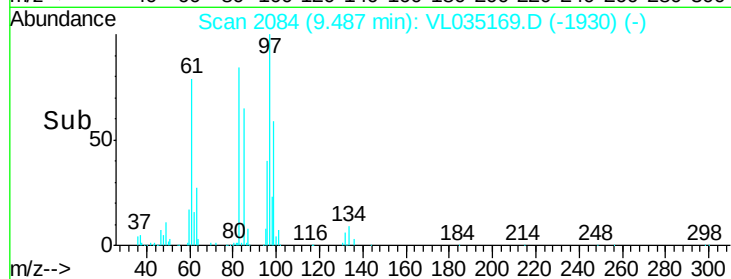
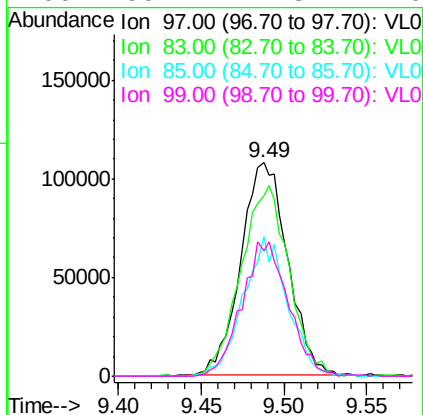
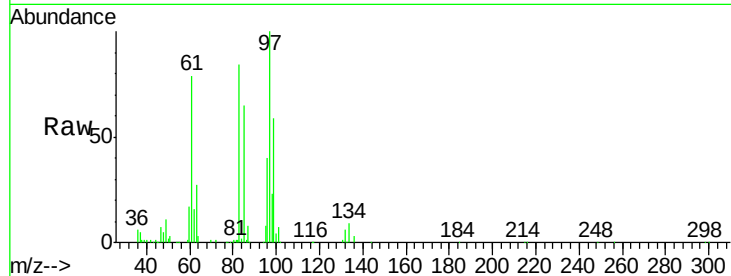
#47
 1,1,2-Trichloroethane
 Concen: 2.046 ppbv
 RT: 9.49 min Scan# 2084
 Delta R.T. -0.01 min
 Lab File: VL035169.D
 Acq: 8 Jul 2020 3:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		212401		
83	84.7	70.3	105.5		
85	65.4	44.3	66.5		
99	59.2	47.8	71.6		

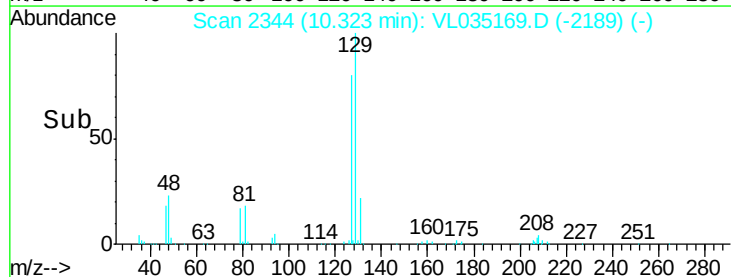
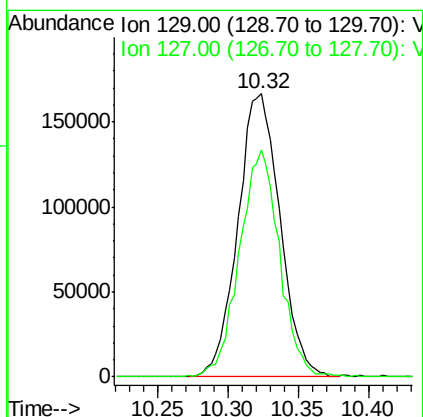
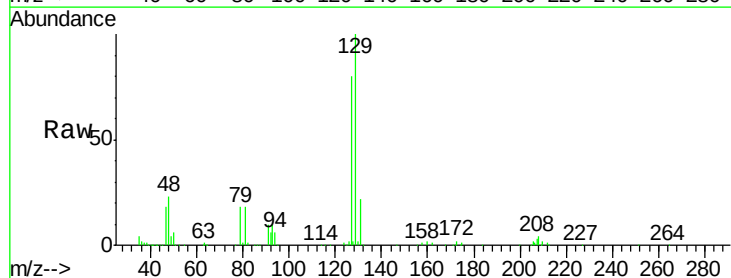
Manual Integrations
 APPROVED

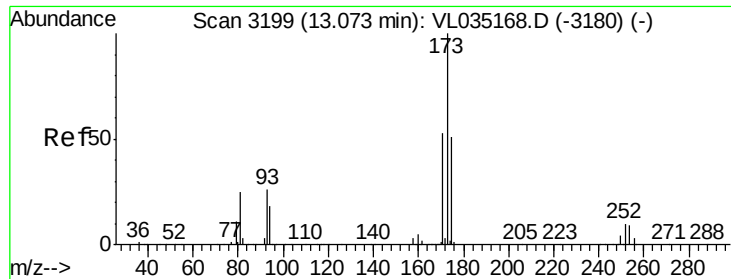
MMDadoda
 7/9/2020 12:02:28 PM



#48
 Dibromochloromethane
 Concen: 2.237 ppbv
 RT: 10.32 min Scan# 2344
 Delta R.T. -0.00 min
 Lab File: VL035169.D
 Acq: 8 Jul 2020 3:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		348959		
127	76.1	38.8	116.3		





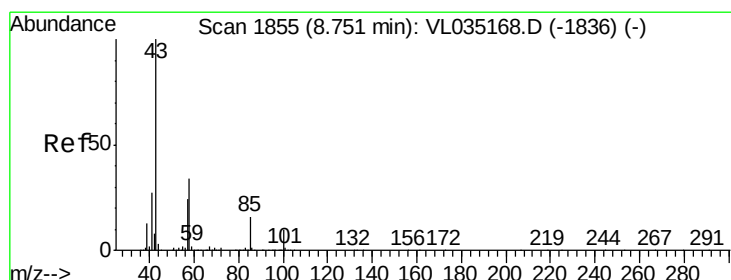
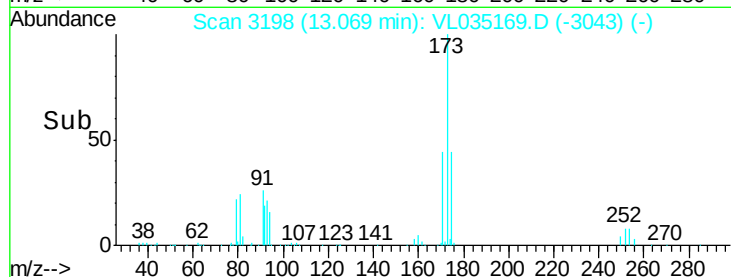
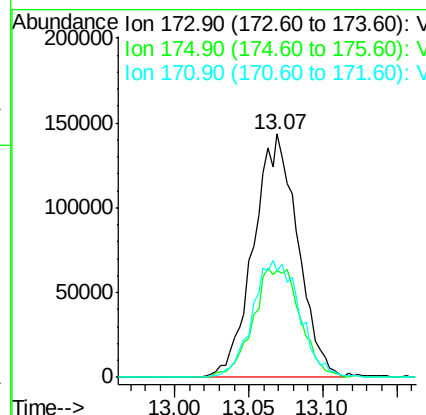
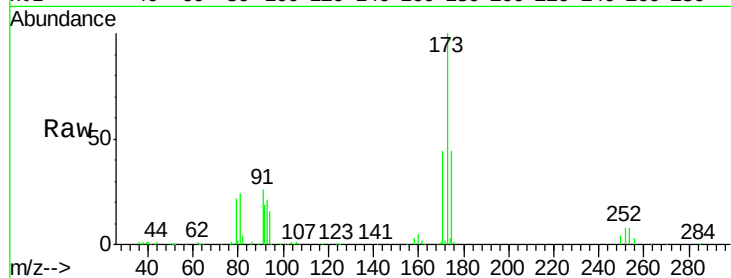
#49
Bromoform
Concen: 2.244 ppbv m
RT: 13.07 min Scan# 3198
Delta R.T. -0.00 min
Lab File: VL035169.D
Acq: 8 Jul 2020 3:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	39.7	59.5
171	0.0	41.6	62.4#

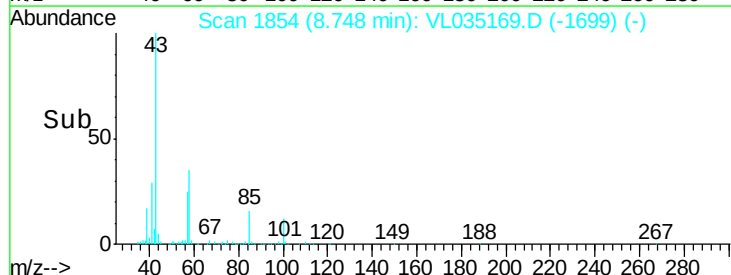
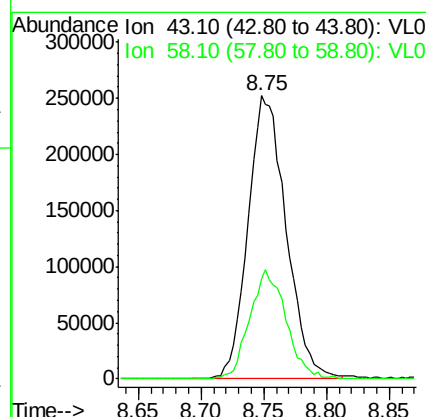
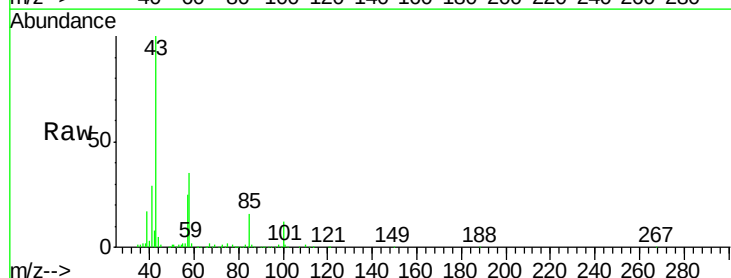
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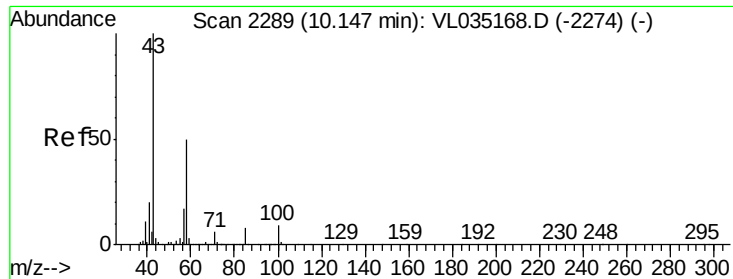
MMDadoda
7/9/2020 12:02:28 PM



#50
4-Methyl-2-Pentanone
Concen: 2.081 ppbv
RT: 8.75 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VL035169.D
Acq: 8 Jul 2020 3:18

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.9	29.4	44.2





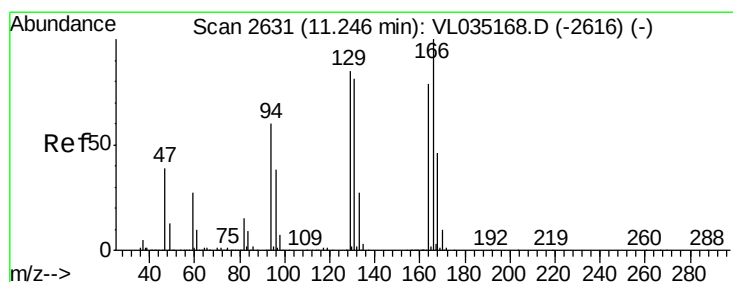
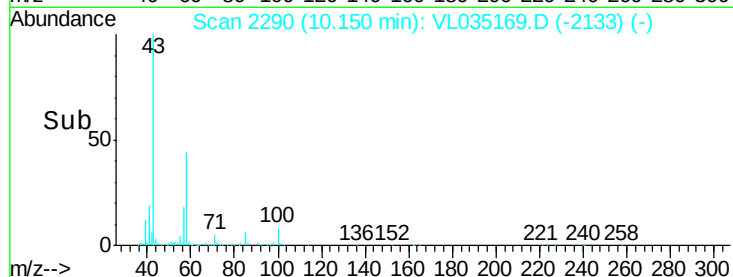
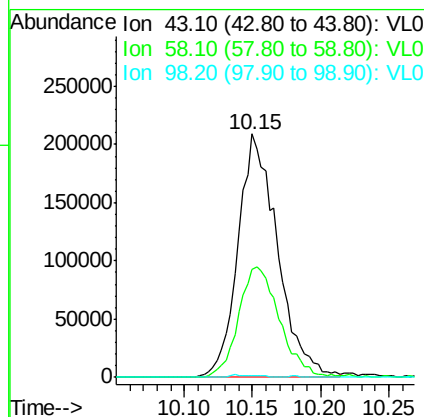
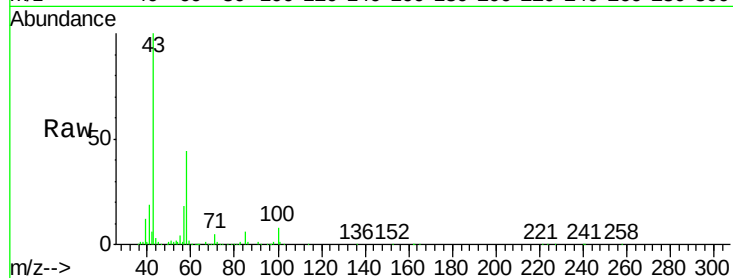
#51
2-Hexanone
Concen: 2.105 ppbv
RT: 10.15 min Scan# 2290
Delta R.T. 0.00 min
Lab File: VL035169.D
Acq: 8 Jul 2020 3:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
43	100		
58	47.2	39.4	59.0
98	0.9	0.3	0.5

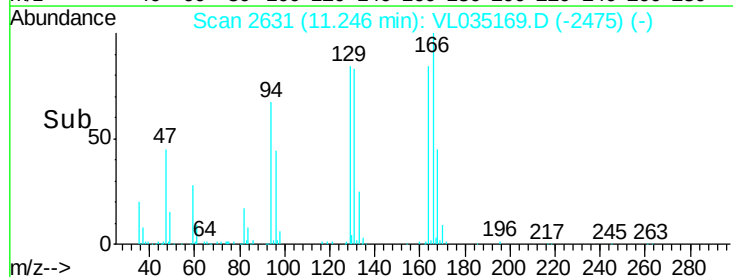
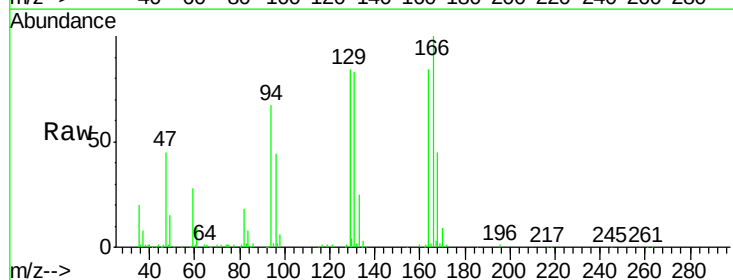
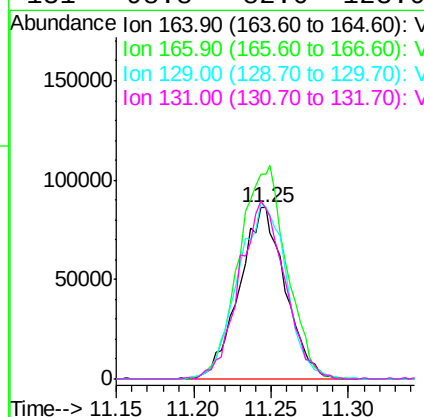
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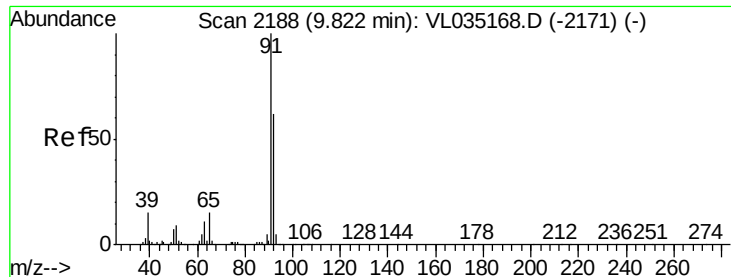
MMDadoda
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#52
Tetrachloroethene
Concen: 2.073 ppbv
RT: 11.25 min Scan# 2631
Delta R.T. 0.00 min
Lab File: VL035169.D
Acq: 8 Jul 2020 3:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	119.4	100.7	151.1
129	99.5	85.8	128.6
131	98.8	82.0	123.0





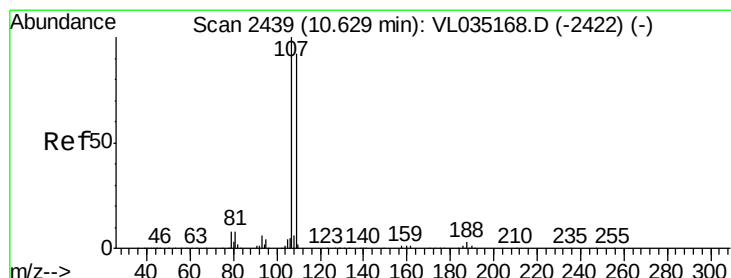
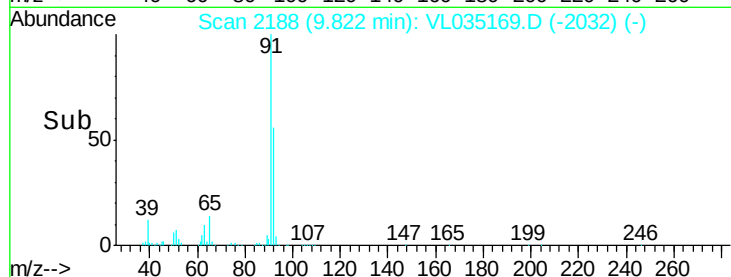
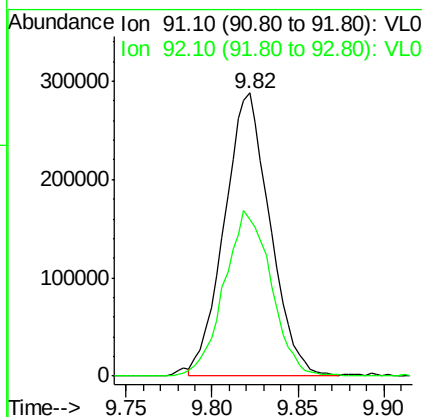
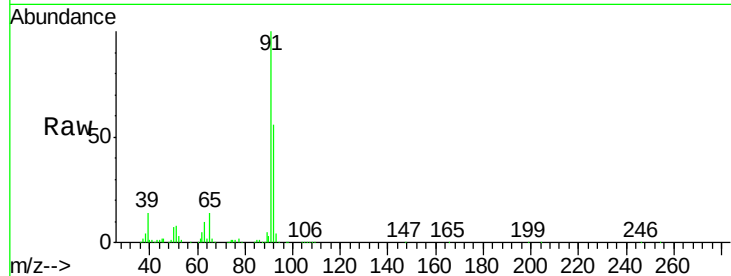
#53
Toluene
Concen: 2.045 ppbv
RT: 9.82 min Scan# 2188
Delta R.T. 0.00 min
Lab File: VL035169.D
Acq: 8 Jul 2020 3:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 91 Resp: 529936
Ion Ratio Lower Upper
91 100
92 60.5 48.4 72.6

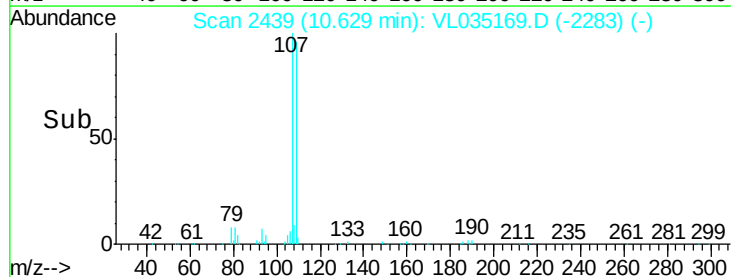
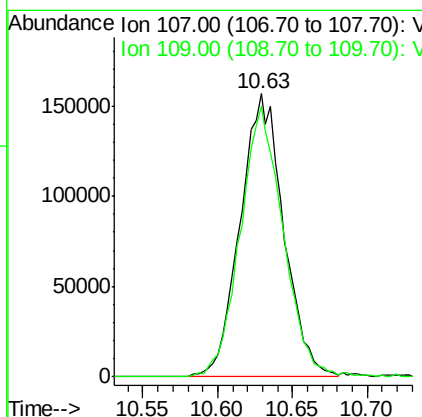
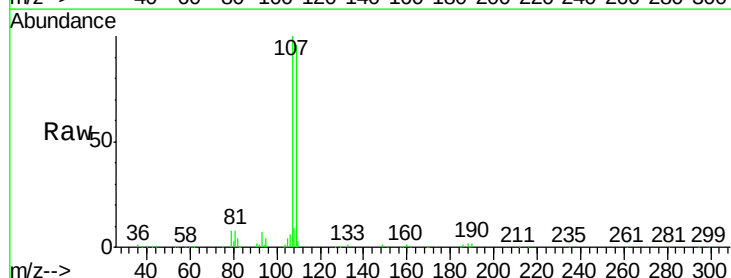
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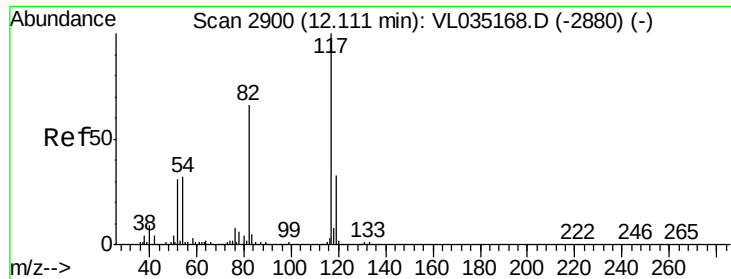
MMDadoda
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#54
1,2-Dibromoethane
Concen: 2.052 ppbv
RT: 10.63 min Scan# 2439
Delta R.T. 0.00 min
Lab File: VL035169.D
Acq: 8 Jul 2020 3:18

Tgt Ion: 107 Resp: 316181
Ion Ratio Lower Upper
107 100
109 95.5 74.0 111.0





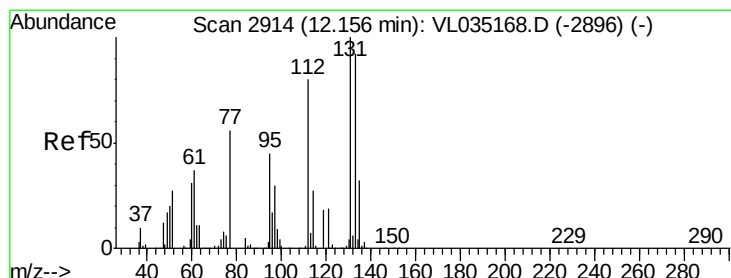
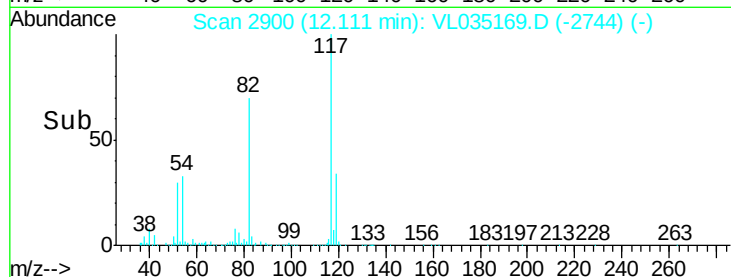
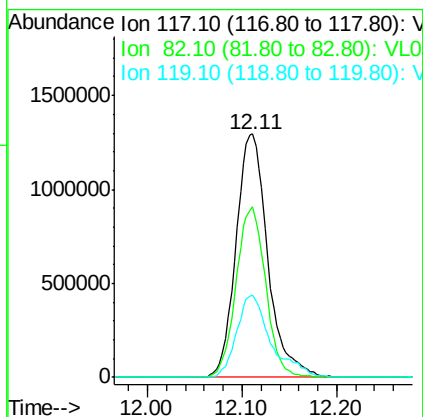
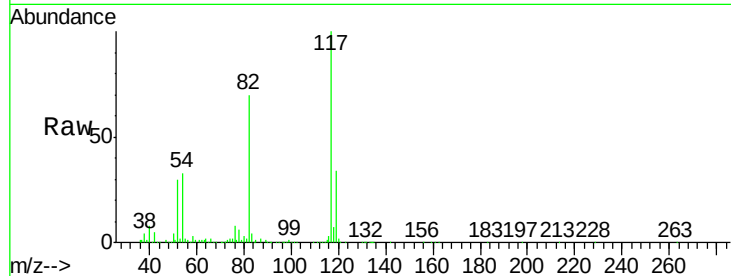
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. 0.00 min
Lab File: VL035169.D
Acq: 8 Jul 2020 3:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
117	100		
82	65.1	52.3	78.5
119	36.6	24.9	37.3

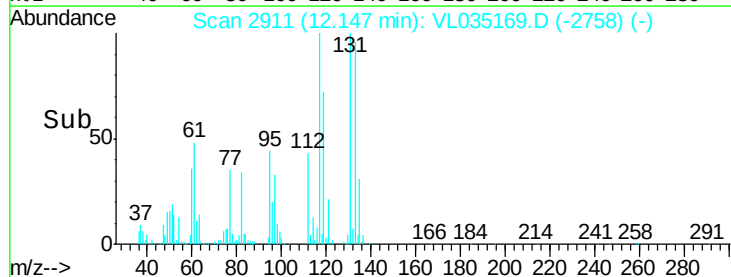
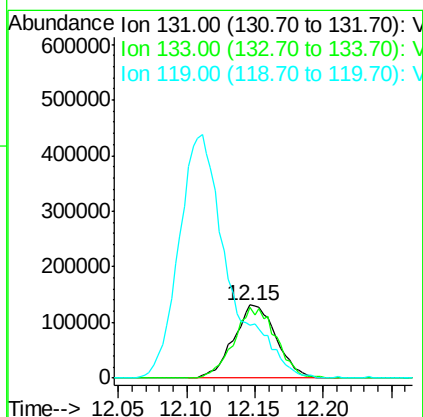
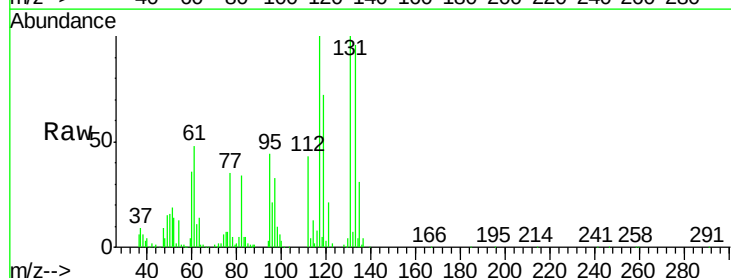
Manual Integrations
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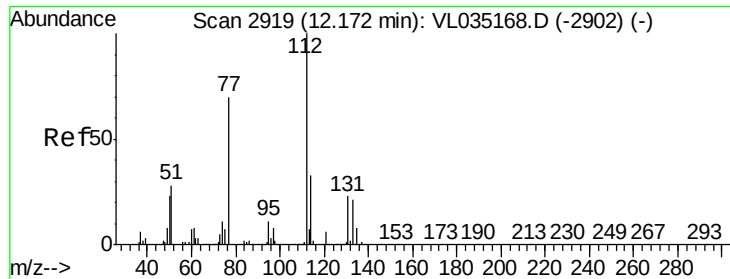
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#56
1,1,1,2-Tetrachloroethane
Concen: 2.280 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. -0.01 min
Lab File: VL035169.D
Acq: 8 Jul 2020 3:18

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.2	75.4	113.2
119	387.9	42.4	63.6#





#57

Chlorobenzene

Concen: 2.138 ppbv

RT: 12.17 min Scan# 2918

Delta R.T. -0.00 min

Lab File: VL035169.D

Acq: 8 Jul 2020 3:18

Instrument :

MSVOA_L

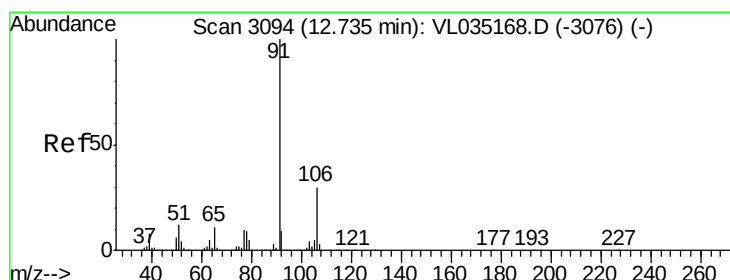
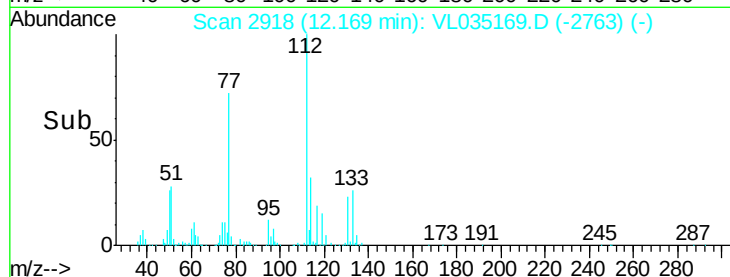
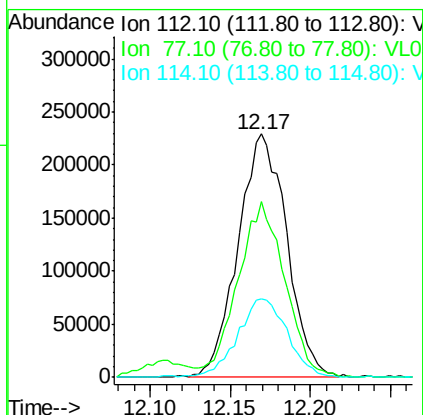
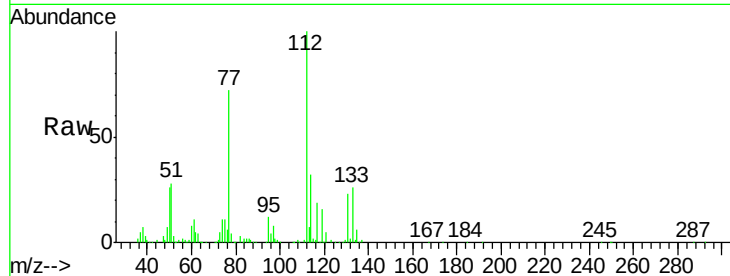
ClientSampleId :

VSTDIC002

Tot Ion:	112	Resp:	477575
Ion Ratio	Lower	Upper	
112	100		
77	71.5	57.0	85.4
114	32.3	30.2	37.0

Manual Integrations
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#58

Ethyl Benzene

Concen: 2.174 ppbv

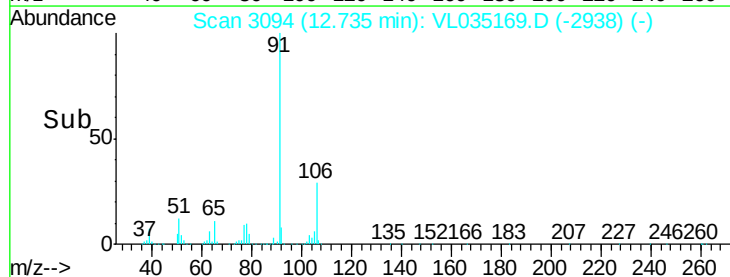
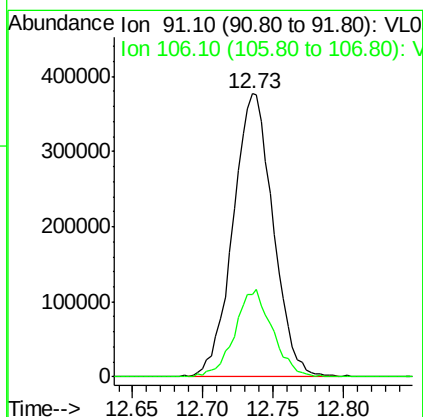
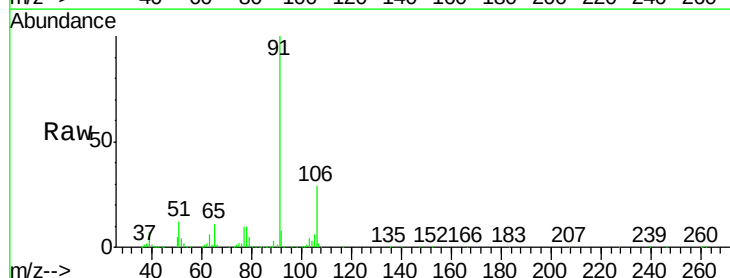
RT: 12.73 min Scan# 3094

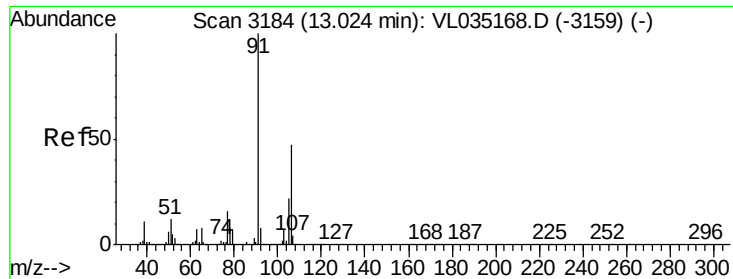
Delta R.T. 0.00 min

Lab File: VL035169.D

Acq: 8 Jul 2020 3:18

Tgt Ion:	91	Resp:	743046
Ion Ratio	Lower	Upper	
91	100		
106	29.0	24.2	36.2





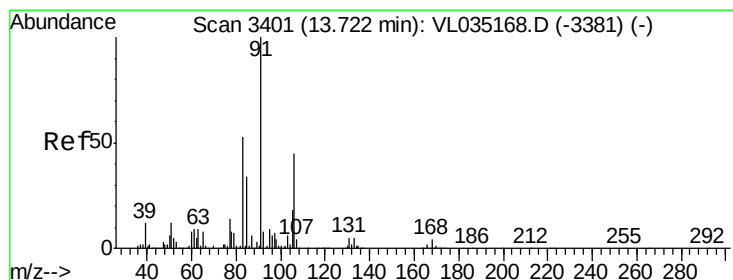
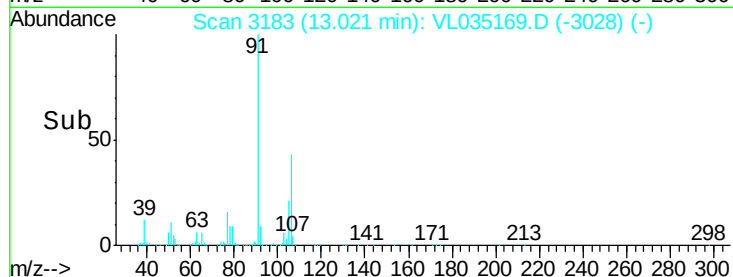
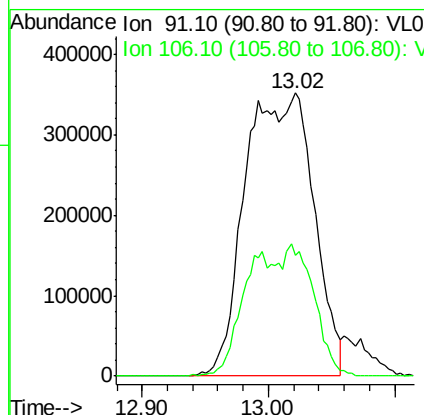
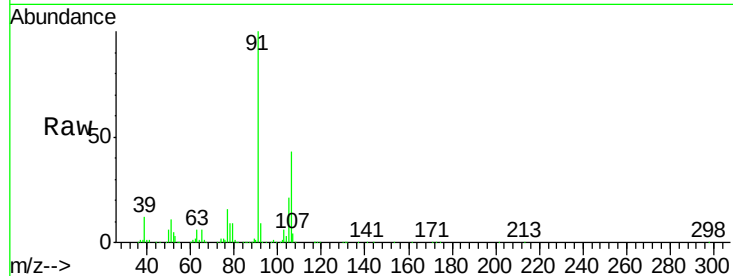
#59
m/p-Xylene
Concen: 4.371 ppbv m
RT: 13.02 min Scan# 3183
Delta R.T. -0.00 min
Lab File: VL035169.D
Acq: 8 Jul 2020 3:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 91 Resp: 1324337
Ion Ratio Lower Upper
91 100
106 44.5 36.2 54.2

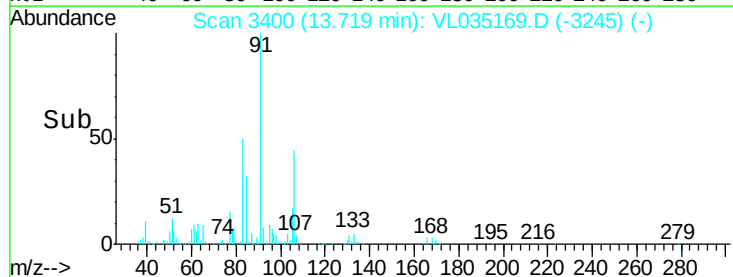
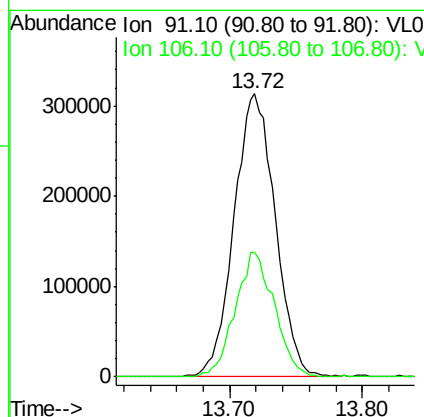
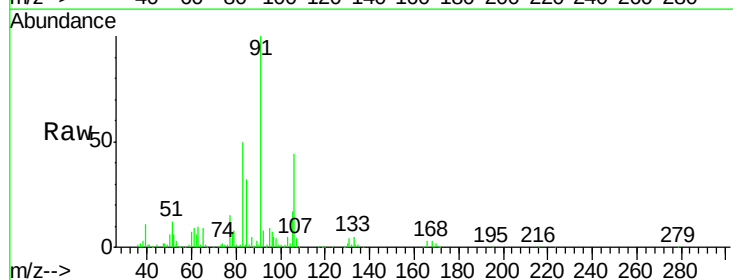
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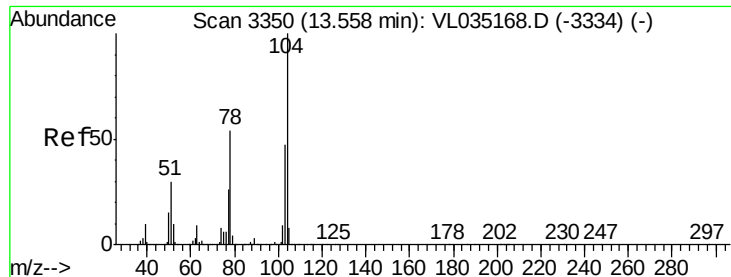
MMDadoda
7/9/2020 12:02:28 PM



#60
o-Xylene
Concen: 2.217 ppbv
RT: 13.72 min Scan# 3400
Delta R.T. -0.00 min
Lab File: VL035169.D
Acq: 8 Jul 2020 3:18

Tgt Ion: 91 Resp: 670488
Ion Ratio Lower Upper
91 100
106 42.7 22.1 66.3





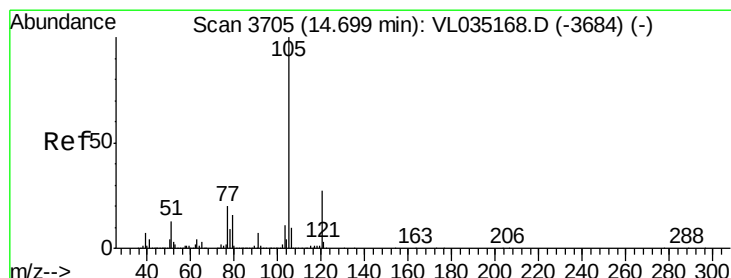
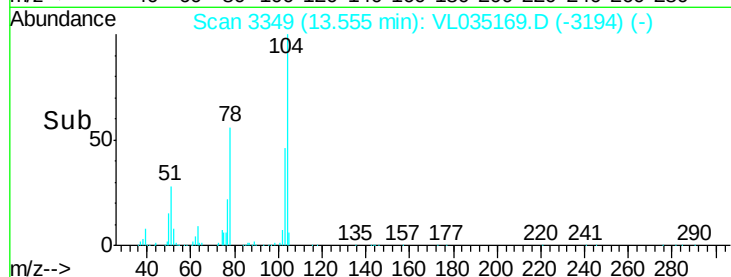
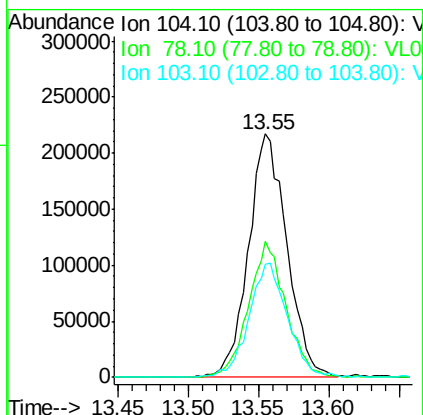
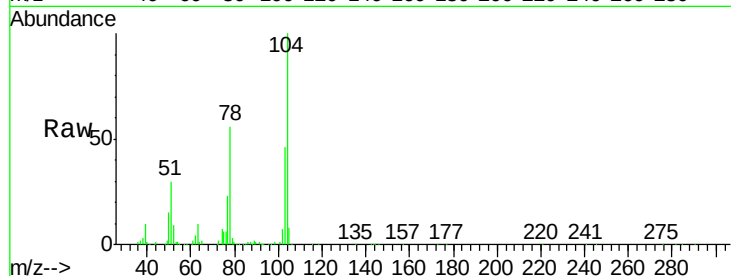
#61
Stvrene
Concen: 2.173 ppbv
RT: 13.55 min Scan# 3349
Delta R.T. -0.00 min
Lab File: VL035169.D
Acq: 8 Jul 2020 3:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.6	43.4	65.0
103	47.1	37.4	56.0

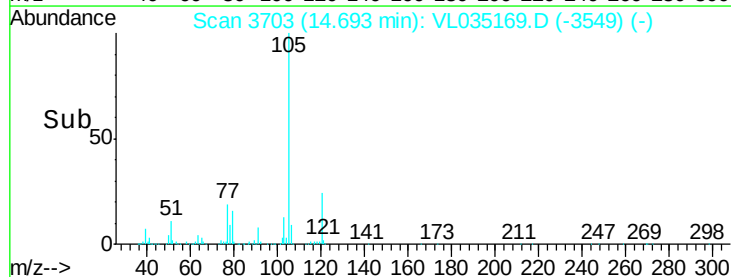
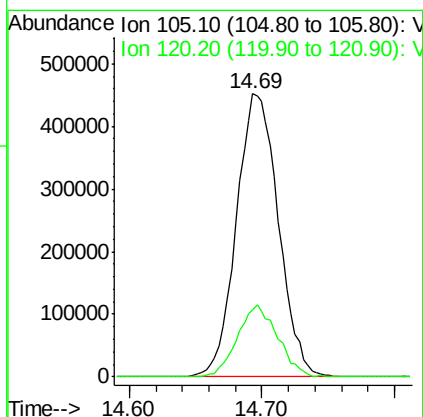
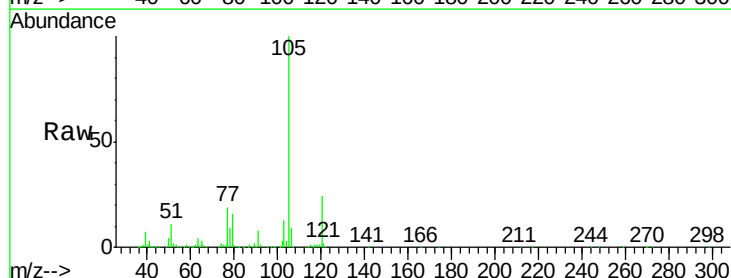
Manual Integrations
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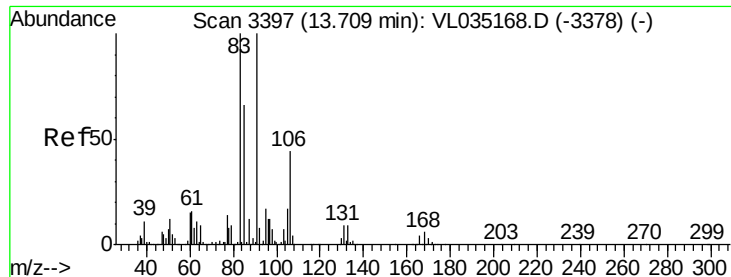
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#62
Isopropylbenzene
Concen: 2.201 ppbv
RT: 14.69 min Scan# 3703
Delta R.T. -0.01 min
Lab File: VL035169.D
Acq: 8 Jul 2020 3:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.4	20.7	31.1





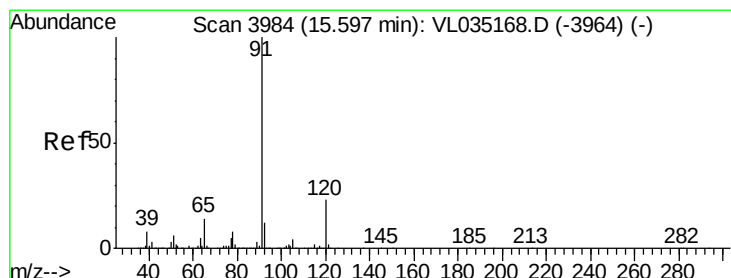
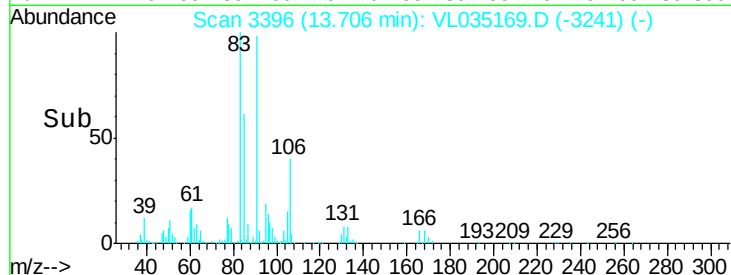
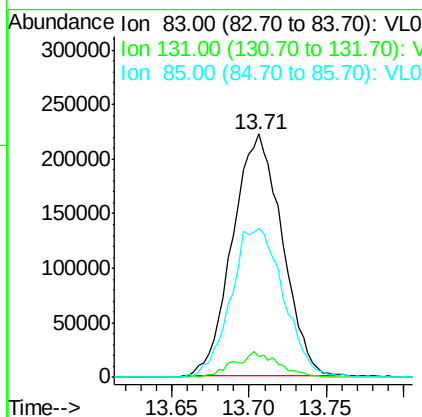
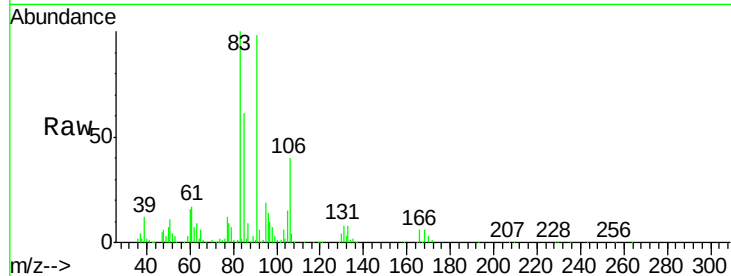
#63
 1,1,2,2-Tetrachloroethane
 Concen: 2.024 ppbv
 RT: 13.71 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VL035169.D
 Acq: 8 Jul 2020 3:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.7	14.0
85	65.6	33.0	99.0

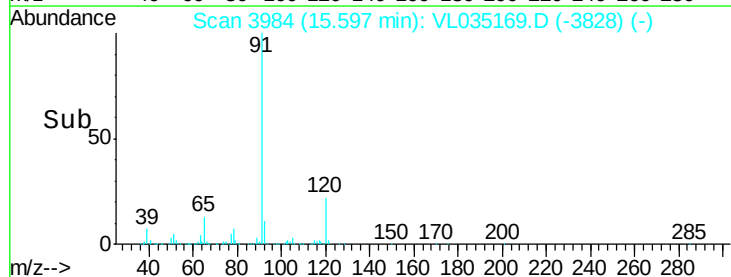
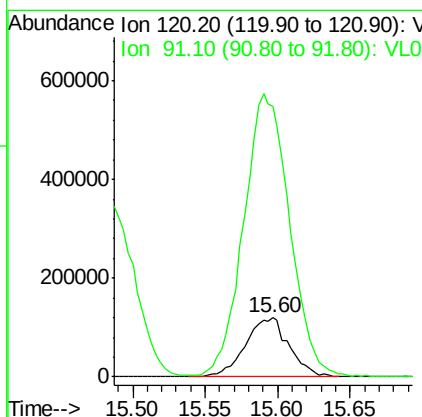
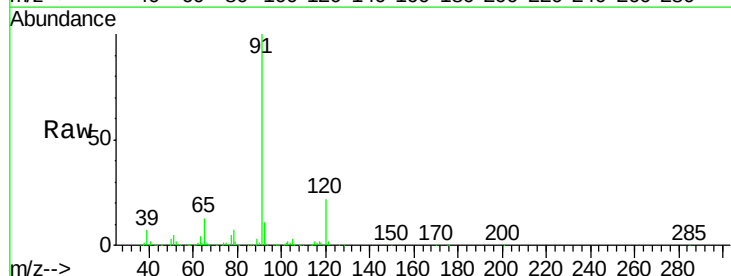
Manual Integrations
 APPROVED

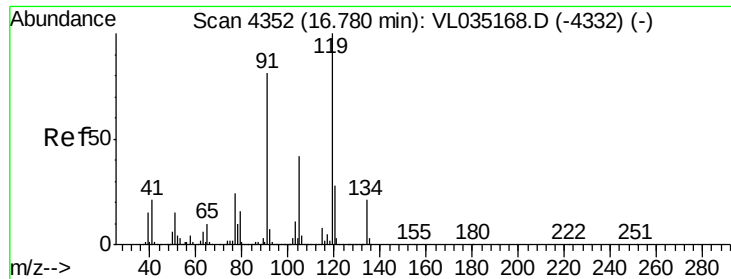
MMDadoda
 7/9/2020 12:02:28 PM



#64
 n-propylbenzene
 Concen: 2.179 ppbv
 RT: 15.60 min Scan# 3984
 Delta R.T. 0.00 min
 Lab File: VL035169.D
 Acq: 8 Jul 2020 3:18

Tgt Ion	Ratio	Lower	Upper
120	100		
91	503.8	372.4	558.6





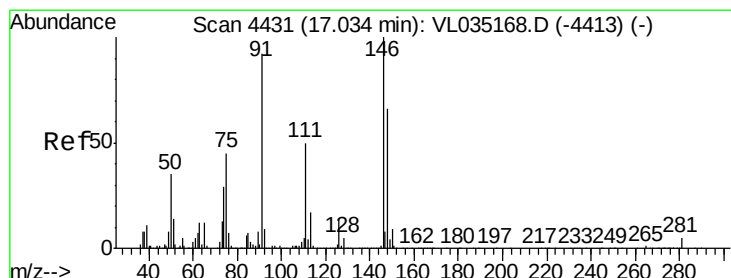
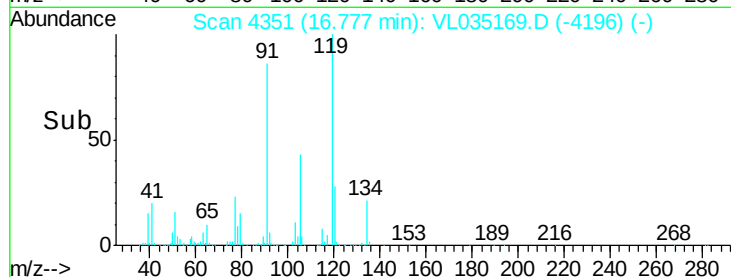
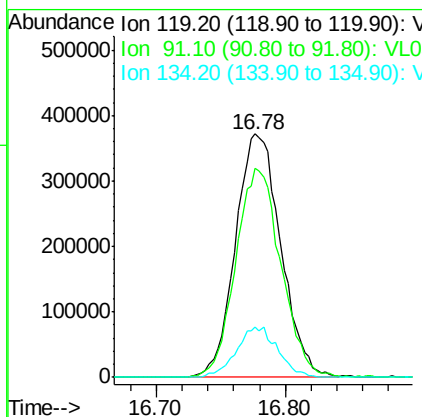
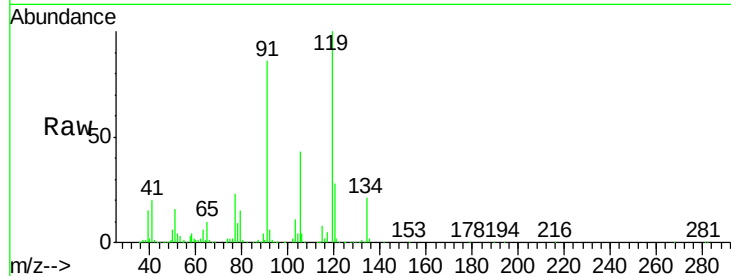
#65
tert-Butylbenzene
Concen: 2.331 ppbv
RT: 16.78 min Scan# 4351
Delta R.T. -0.00 min
Lab File: VL035169.D
Acq: 8 Jul 2020 3:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
119	100	907140		
91	86.3	67.5	101.3	
134	18.9	16.0	24.0	

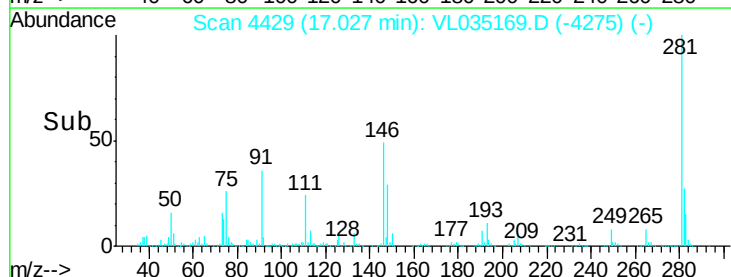
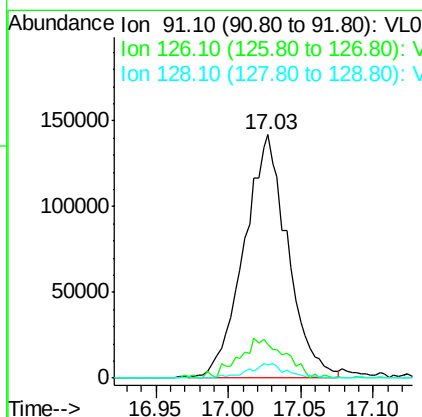
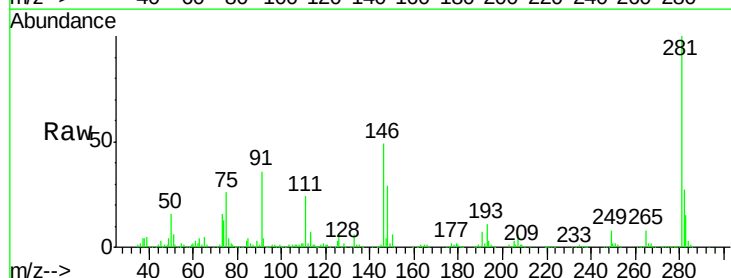
Manual Integrations
APPROVED

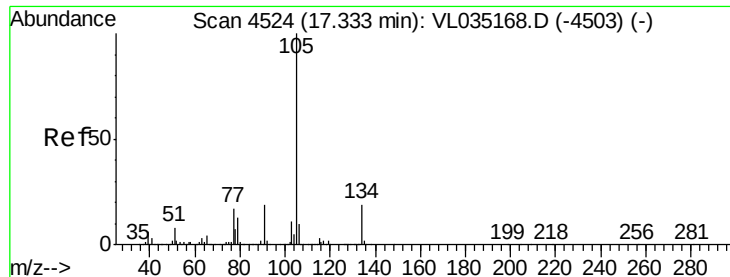
MMDadoda
7/9/2020 12:02:28 PM



#66
Benzyl Chloride
Concen: 2.405 ppbv
RT: 17.03 min Scan# 4429
Delta R.T. -0.01 min
Lab File: VL035169.D
Acq: 8 Jul 2020 3:18

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	295417		
126	17.9	13.9	20.9	
128	5.3	4.2	6.4	





#67

sec-Butylbenzene

Concen: 2.368 ppbv

RT: 17.33 min Scan# 4522

Delta R.T. -0.01 min

Lab File: VL035169.D

Acq: 8 Jul 2020 3:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion:105 Resp: 1323479

Ion Ratio Lower Upper

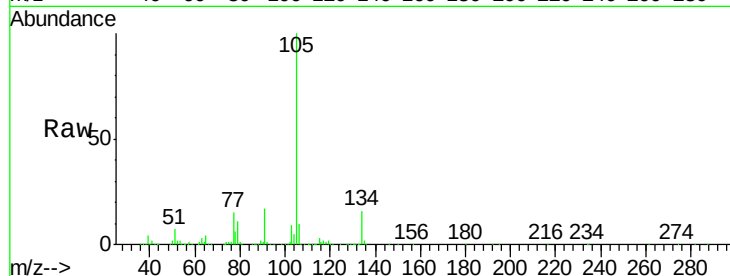
105 100

134 17.0 14.6 21.8

Manual Integrations
APPROVED

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.33

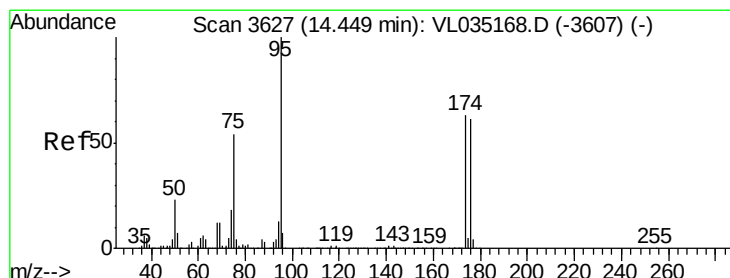
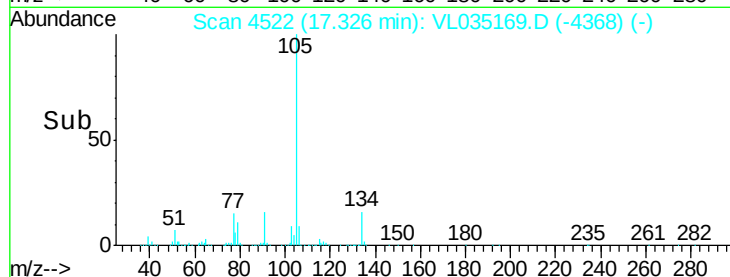
600000

400000

200000

0

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 9.522 ppbv

RT: 14.45 min Scan# 3626

Delta R.T. -0.00 min

Lab File: VL035169.D

Acq: 8 Jul 2020 3:18

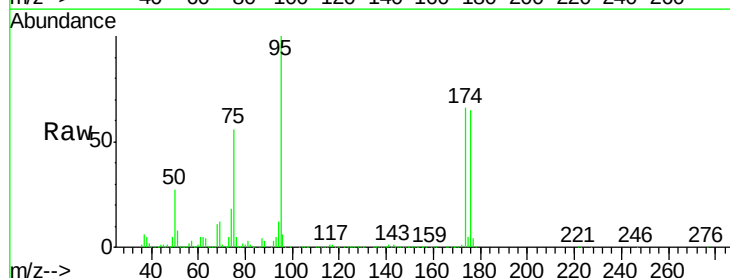
Tgt Ion: 95 Resp: 2394501

Ion Ratio Lower Upper

95 100

174 65.1 52.2 78.2

175 4.8 4.0 6.0



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

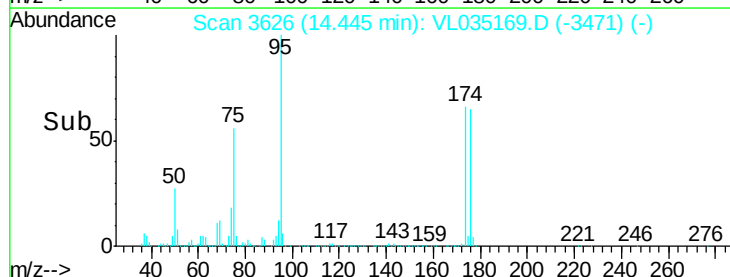
14.45

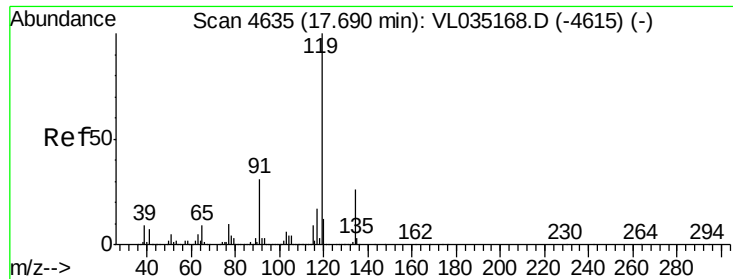
1000000

500000

0

Time-->





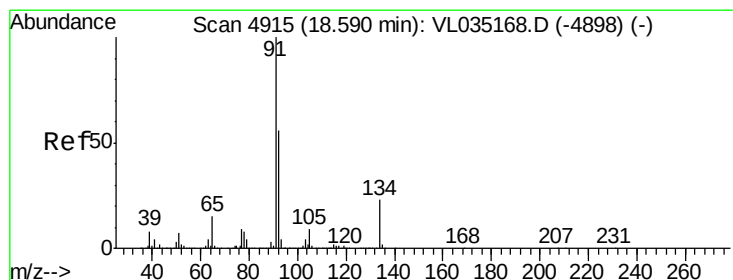
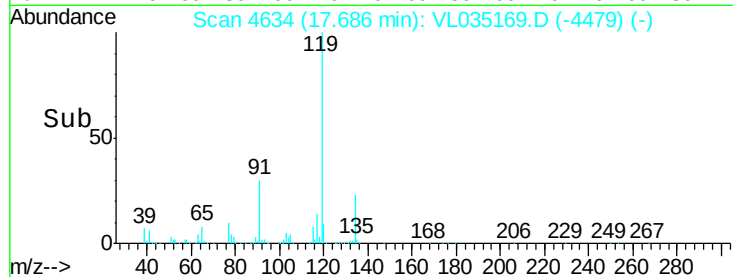
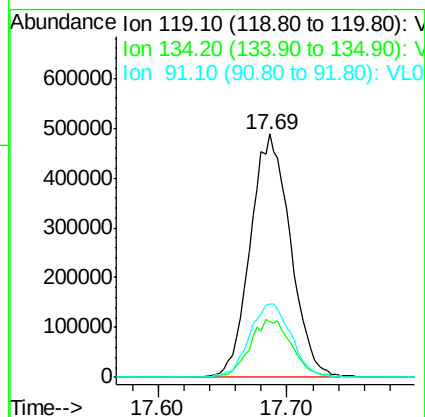
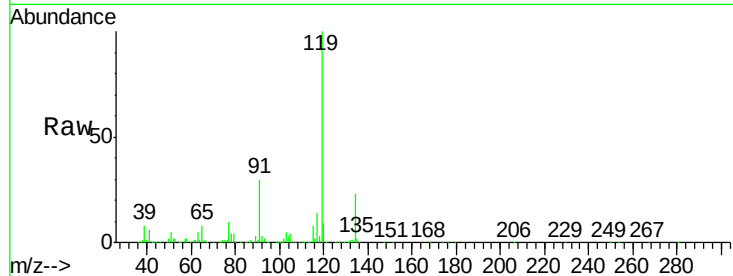
#69
 p-Isopropyltoluene
 Concen: 2.365 ppbv
 RT: 17.69 min Scan# 4634
 Delta R.T. -0.00 min
 Lab File: VL035169.D
 Acq: 8 Jul 2020 3:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.0	20.8	31.2
91	31.9	24.9	37.3

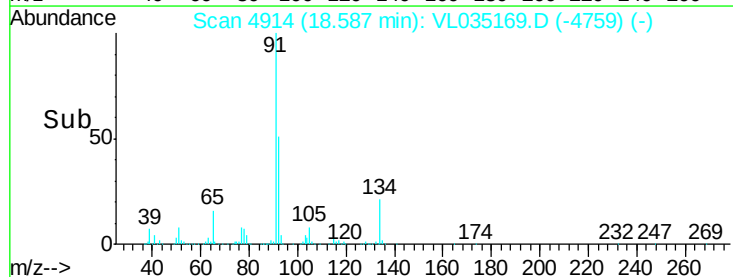
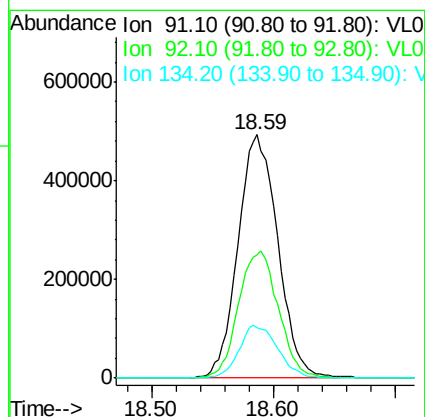
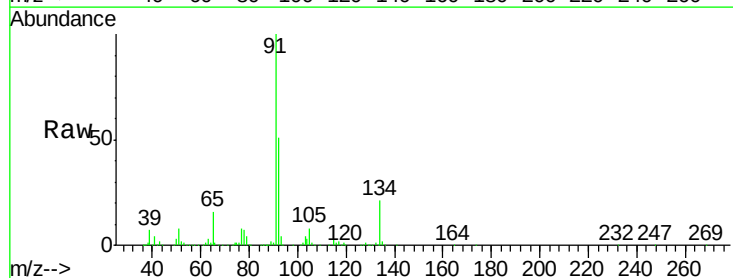
Manual Integrations
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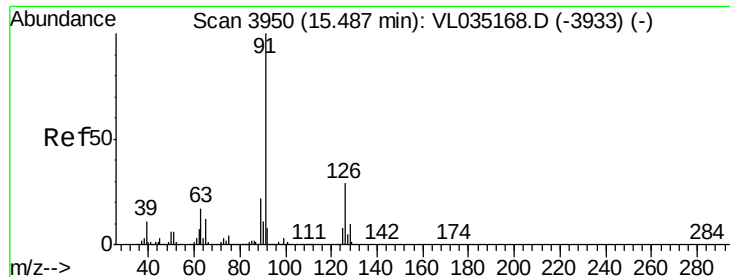
MMDadoda
 7/9/2020 12:02:28 PM



#70
 n-Butylbenzene
 Concen: 2.308 ppbv
 RT: 18.59 min Scan# 4914
 Delta R.T. -0.00 min
 Lab File: VL035169.D
 Acq: 8 Jul 2020 3:18

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.6	44.0	66.0
134	21.2	18.0	27.0





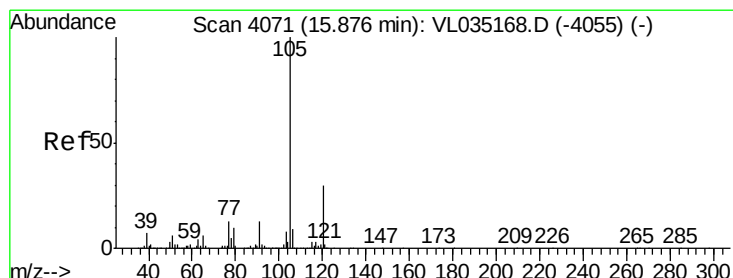
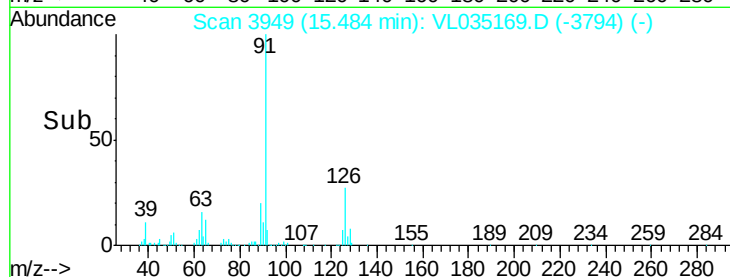
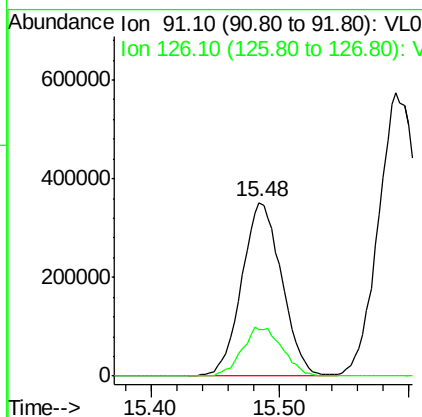
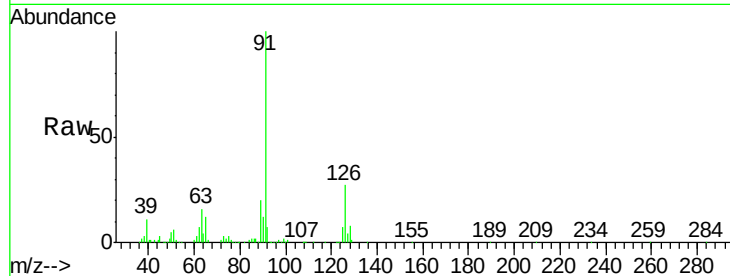
#71
 2-Chlorotoluene
 Concen: 2.221 ppbv
 RT: 15.48 min Scan# 3949
 Delta R.T. -0.00 min
 Lab File: VL035169.D
 Acq: 8 Jul 2020 3:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
91	100		
126	28.5	12.0	48.0

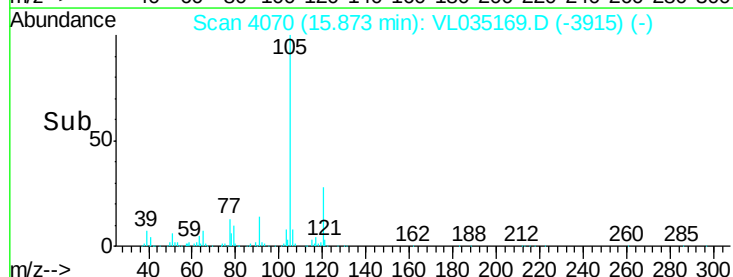
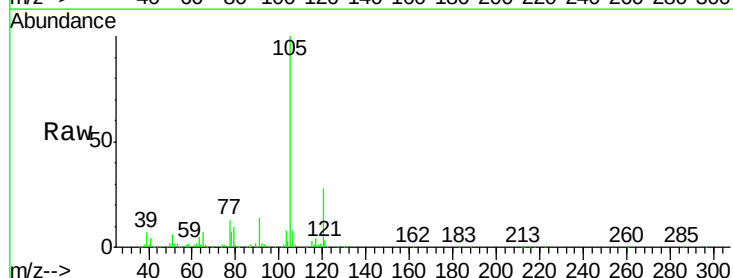
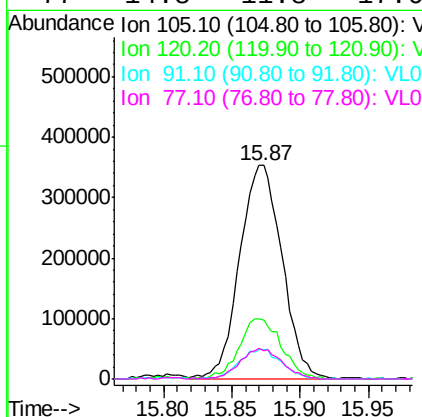
Manual Integrations
 APPROVED

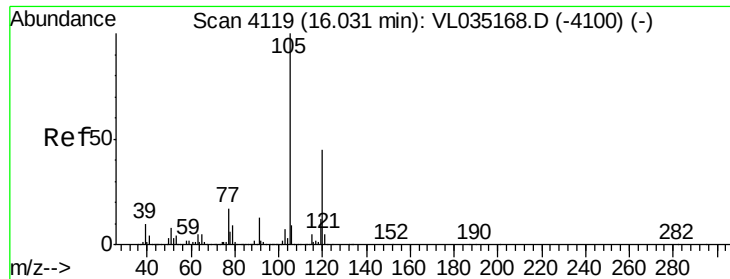
MMDadoda
 7/9/2020 12:02:28 PM



#72
 4-Ethyltoluene
 Concen: 2.246 ppbv
 RT: 15.87 min Scan# 4070
 Delta R.T. -0.00 min
 Lab File: VL035169.D
 Acq: 8 Jul 2020 3:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.2	23.2	34.8
91	14.4	10.9	16.3
77	14.8	11.8	17.6





#73

1,3,5-Trimethylbenzene

Concen: 2.257 ppbv

RT: 16.03 min Scan# 4118

Delta R.T. -0.00 min

Lab File: VL035169.D

Acq: 8 Jul 2020 3:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion:105 Resp: 723014

Ion Ratio Lower Upper

105 100

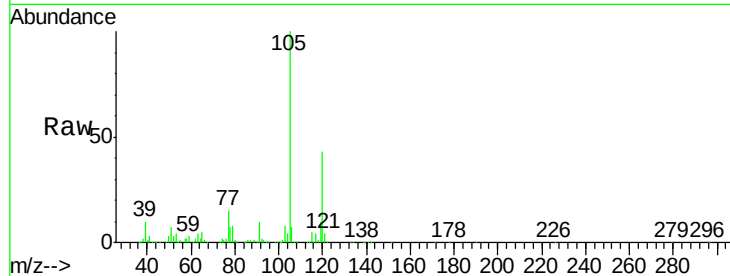
120 43.0 36.2 54.2

Manual Integrations

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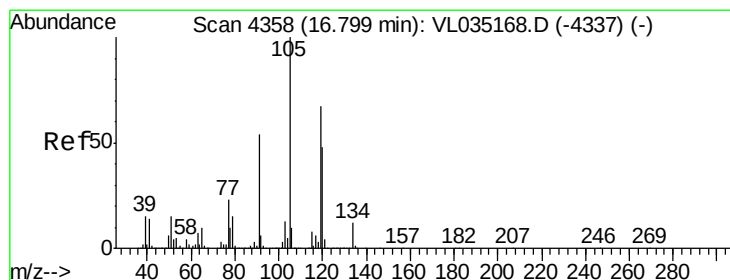
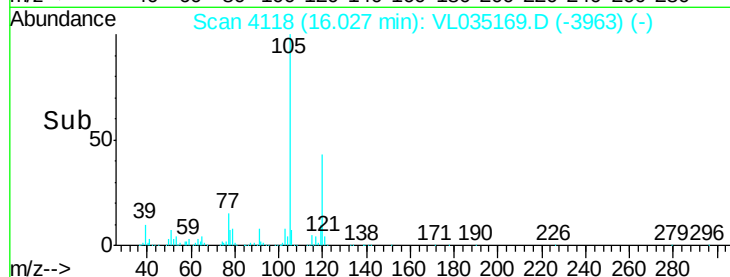
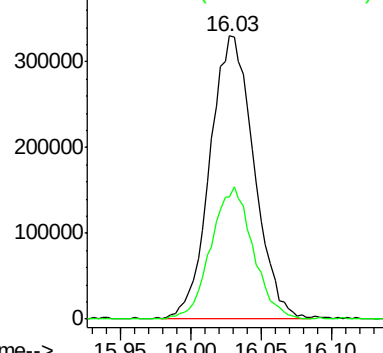
MMDadoda

7/9/2020 12:02:28 PM



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 2.211 ppbv

RT: 16.79 min Scan# 4356

Delta R.T. -0.01 min

Lab File: VL035169.D

Acq: 8 Jul 2020 3:18

Tgt Ion:105 Resp: 792287

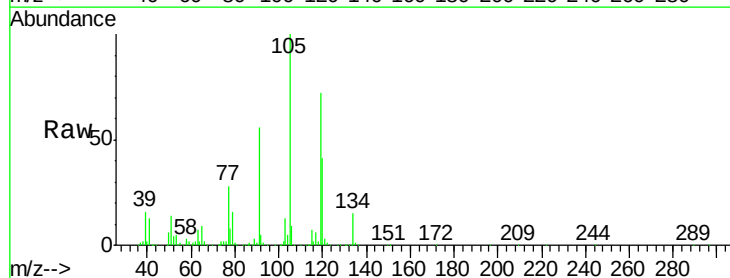
Ion Ratio Lower Upper

105 100

120 41.1 38.6 57.8

91 55.7 43.6 65.4

77 27.8 18.3 27.5#

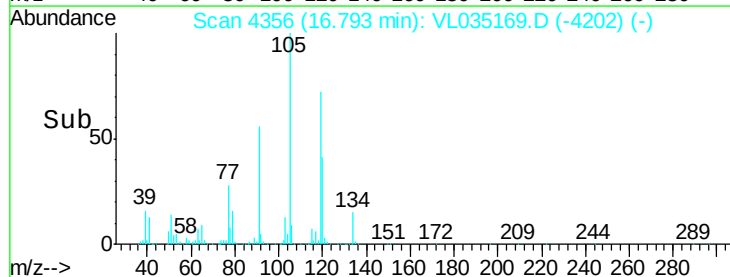
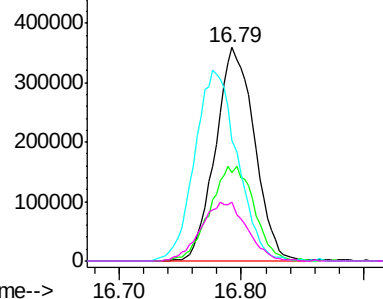


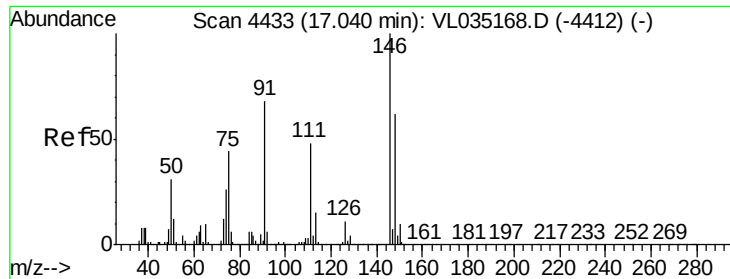
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





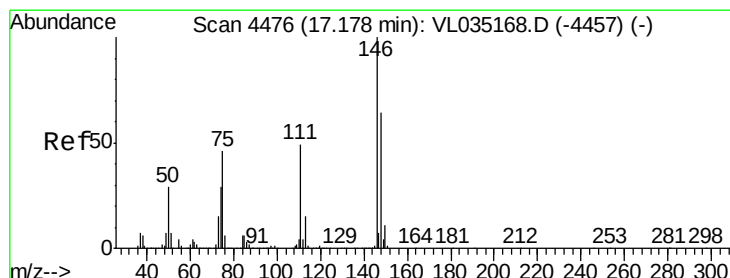
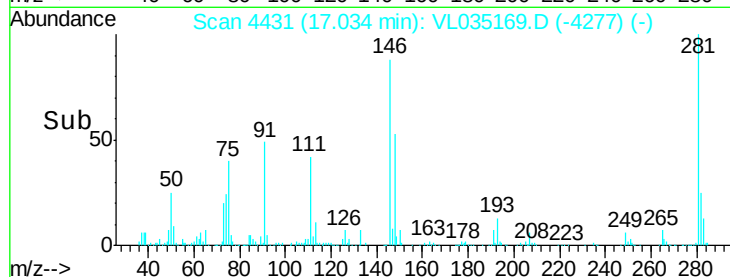
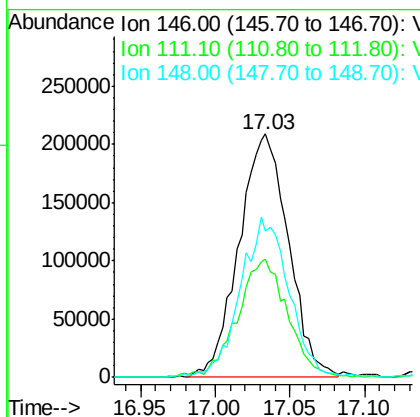
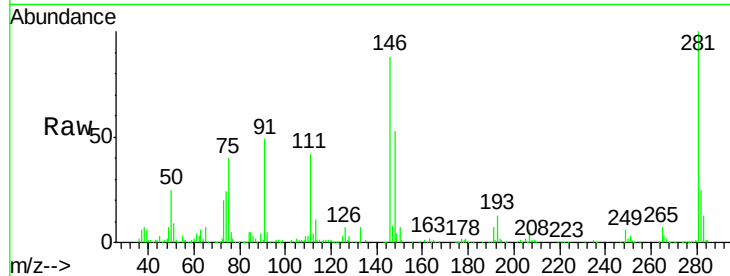
#75
 1,3-Dichlorobenzene
 Concen: 2.253 ppbv
 RT: 17.03 min Scan# 4431
 Delta R.T. -0.01 min
 Lab File: VL035169.D
 Acq: 8 Jul 2020 3:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.6	24.7	74.1
148	64.6	32.4	97.0

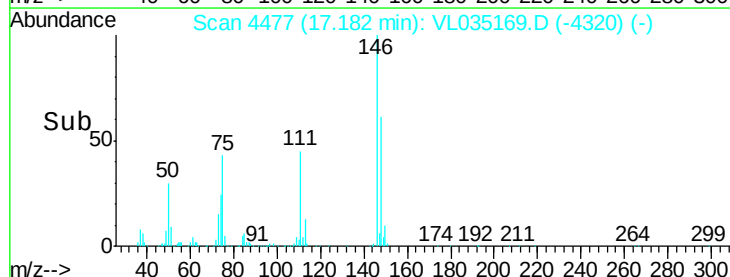
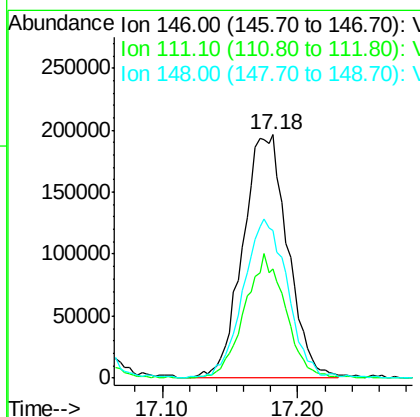
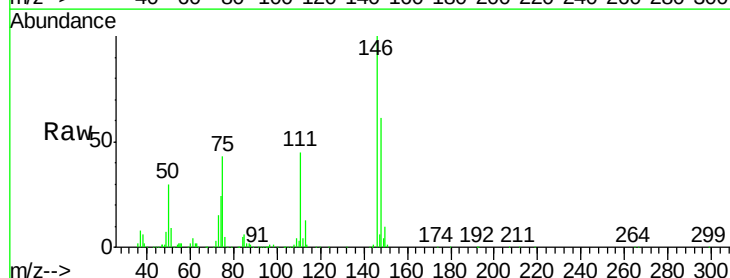
Manual Integrations
 APPROVED

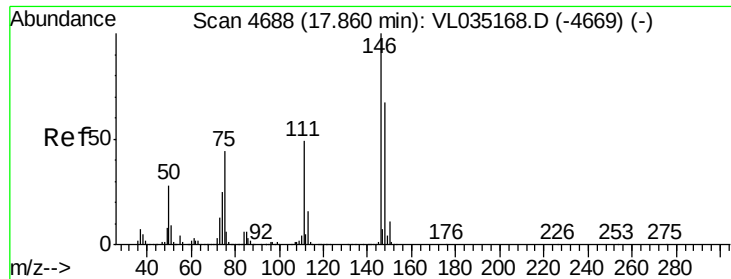
MMDadoda
 7/9/2020 12:02:28 PM



#76
 1,4-Dichlorobenzene
 Concen: 2.206 ppbv m
 RT: 17.18 min Scan# 4477
 Delta R.T. 0.00 min
 Lab File: VL035169.D
 Acq: 8 Jul 2020 3:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	23.8	71.2#
148	0.0	32.3	96.9#





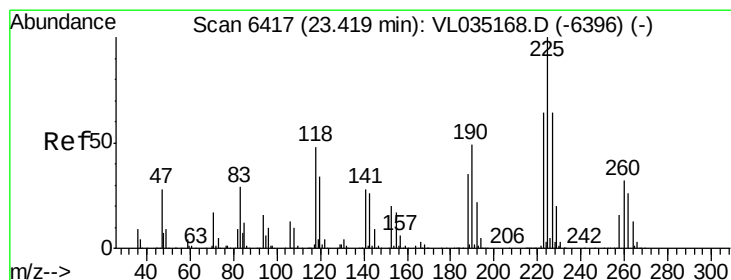
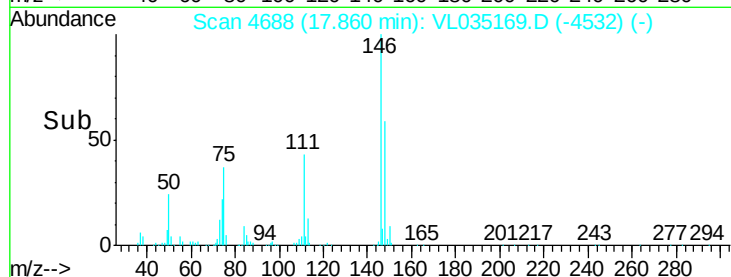
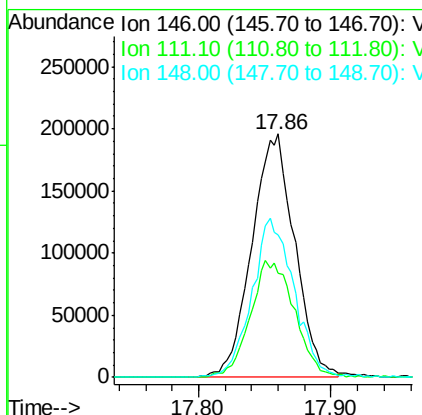
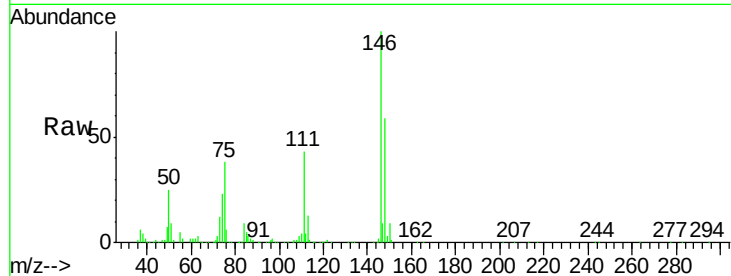
#77
 1,2-Dichlorobenzene
 Concen: 2.244 ppbv
 RT: 17.86 min Scan# 4688
 Delta R.T. 0.00 min
 Lab File: VL035169.D
 Acq: 8 Jul 2020 3:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.7	25.1	75.2
148	64.5	32.4	97.0

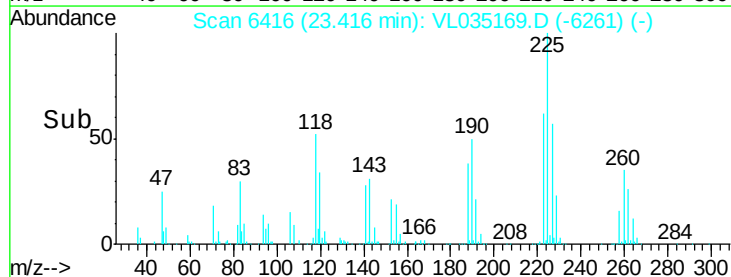
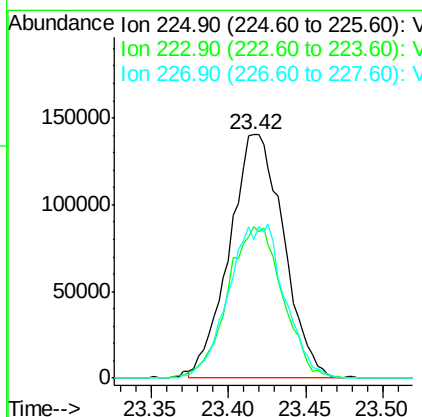
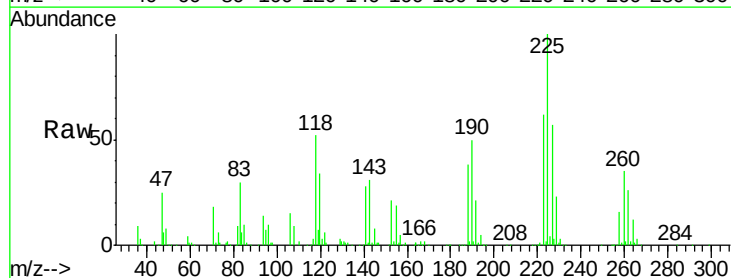
Manual Integrations
 APPROVED

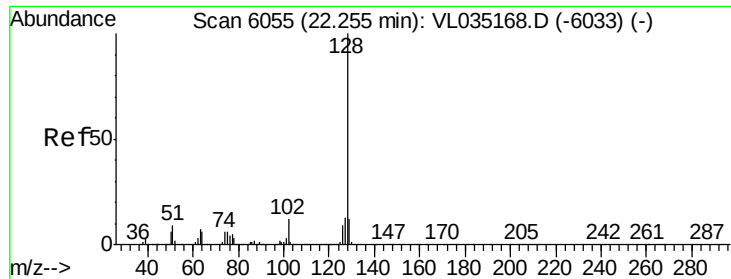
MMDadoda
 7/9/2020 12:02:28 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 1.979 ppbv
 RT: 23.42 min Scan# 6416
 Delta R.T. -0.00 min
 Lab File: VL035169.D
 Acq: 8 Jul 2020 3:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.2	75.2
227	65.1	51.2	76.8





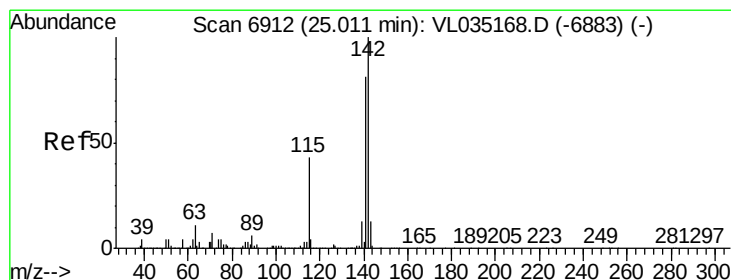
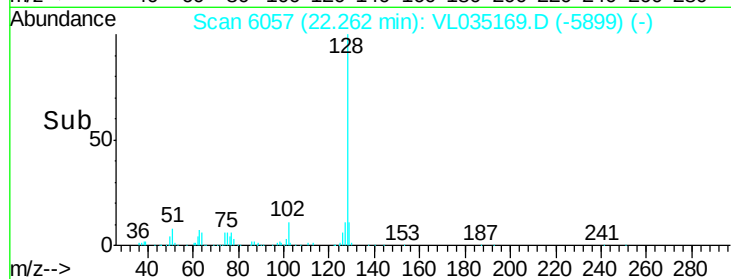
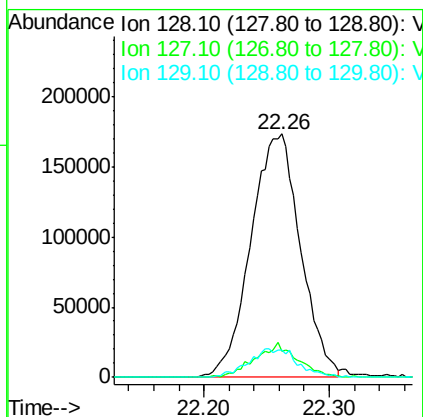
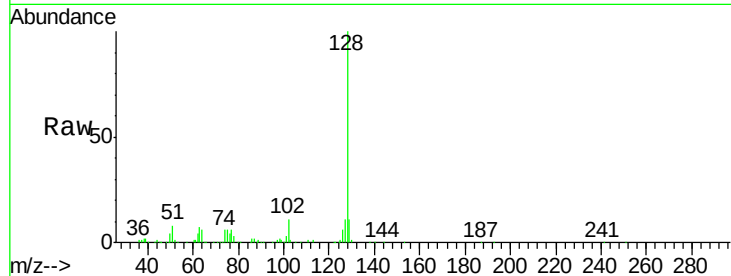
#79
Naphthalene
Concen: 1.564 ppbv
RT: 22.26 min Scan# 6057
Delta R.T. 0.01 min
Lab File: VL035169.D
Acq: 8 Jul 2020 3:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
128	100		
127	10.4	10.8	16.2#
129	11.0	9.4	14.2

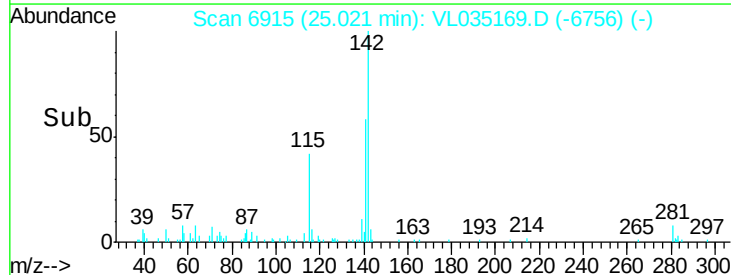
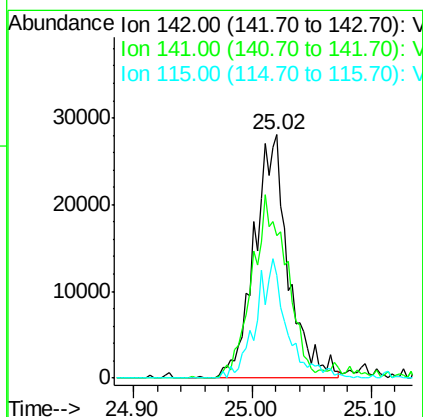
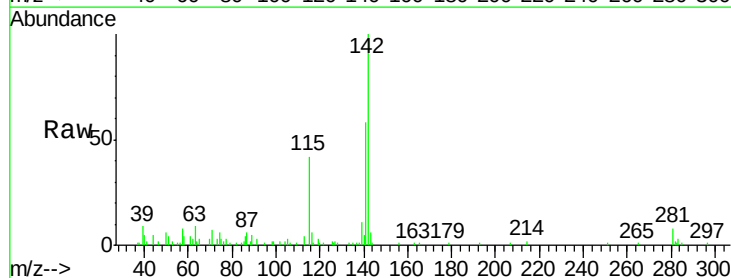
Manual Integrations
APPROVED

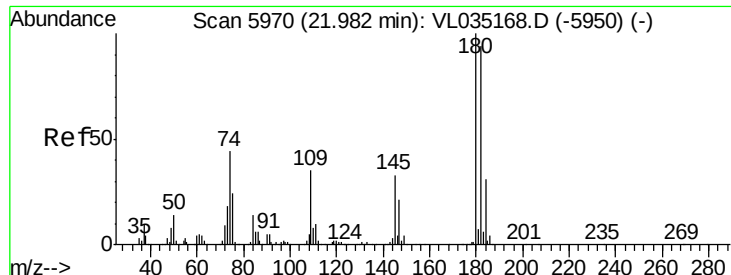
MMDadoda
7/9/2020 12:02:28 PM



#80
Naphthalene, 2-methyl-
Concen: 0.498 ppbv
RT: 25.02 min Scan# 6915
Delta R.T. 0.01 min
Lab File: VL035169.D
Acq: 8 Jul 2020 3:18

Tgt Ion	Ratio	Lower	Upper
142	100		
141	78.0	68.2	102.4
115	44.1	34.4	51.6





#81
 1,2,4-Trichlorobenzene
 Concen: 1.730 ppbv m
 RT: 21.99 min Scan# 5972
 Delta R.T. 0.01 min
 Lab File: VL035169.D
 Acq: 8 Jul 2020 3:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	0.0	76.7	115.1#
184	30.5	25.0	37.6

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 12:02:28 PM

