

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070820\
 Data File : VL035170.D
 Acq On : 8 Jul 2020 3:56
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 12:02:31 PM

Quant Time: Jul 08 06:45:23 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	1271991	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3092648	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2862795	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	2337461	9.83	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.30%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.00	85	213264	1.238 ppbv	96
3) Chlorodifluoromethane	2.94	51	158481	1.138 ppbv	96
4) Chloromethane	3.10	50	85369	1.097 ppbv	90
5) Vinyl Chloride	3.21	62	81896	1.097 ppbv	96
6) Bromomethane	3.43	94	50128	1.074 ppbv	100
7) Chloroethane	3.52	64	32341	1.141 ppbv	91
8) Dichlorotetrafluoroethane	3.14	85	217786	1.181 ppbv	97
9) Propene	2.96	41	57609	1.051 ppbv	99
10) Heptane	8.13	43	134308	0.941 ppbv	99
11) Trichlorofluoromethane	3.92	101	220838	1.190 ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.45	101	153551	1.195 ppbv	99
13) Ethanol	3.57	45	21745	1.070 ppbv	98
14) Bromoethene	3.70	108	62145	1.129 ppbv	98
15) Acetone	3.82	43	199751	1.292 ppbv	95
16) 1,3-Butadiene	3.29	39	65295	0.974 ppbv	92
17) tert-Butyl alcohol	4.27	59	164563m	1.196 ppbv	
18) 1,1-Dichloroethene	4.25	96	66091	1.142 ppbv #	92
19) Isopropyl Alcohol	3.94	45	112357m	1.130 ppbv	
20) Methylene Chloride	4.31	84	90336	1.435 ppbv	94
21) Allyl Chloride	4.38	41	103074	1.125 ppbv	96
22) trans-1,2-Dichloroethene	4.86	96	66848	1.224 ppbv	98
23) Vinyl Acetate	5.05	43	205061	1.108 ppbv	98
24) 1,1-Dichloroethane	4.99	63	174071	1.109 ppbv	99
25) Ethyl Acetate	5.66	43	287991	1.043 ppbv	99
26) Hexane	5.67	57	124814	1.001 ppbv	95
27) Carbon Disulfide	4.53	76	174679	1.313 ppbv #	91
28) Methyl tert-Butyl Ether	5.02	73	189765	1.081 ppbv	98
29) Chloroform	5.74	83	215905	1.105 ppbv	98
30) Cyclohexane	7.13	84	80115	0.898 ppbv	92
31) cis-1,2-Dichloroethene	5.53	61	115781m	1.015 ppbv	
32) 1,1,1-Trichloroethane	6.50	97	197174	1.083 ppbv	97
34) 2-Butanone	5.23	43	173788	0.993 ppbv	98
35) Carbon Tetrachloride	7.02	117	195199m	1.049 ppbv	
36) Benzene	6.89	78	230668	0.974 ppbv	93
37) 1,2-Dichloroethane	6.29	62	159661	1.060 ppbv	100
38) Trichloroethene	7.83	130	88686	0.956 ppbv	91
39) 1,2-Dichloropropane	7.62	63	90969	0.985 ppbv	99
40) 1,4-Dioxane	7.86	88	37041m	0.991 ppbv	
41) Tetrahydrofuran	6.05	42	77542	0.870 ppbv	99
42) Bromodichloromethane	7.79	83	202709	1.035 ppbv	98
43) Methyl Methacrylate	8.02	69	91257m	0.910 ppbv	

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070820\
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 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

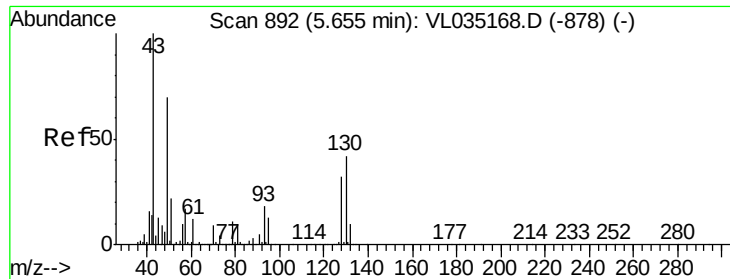
Manual Integrations
 APPROVED

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 7/9/2020 12:02:31 PM

Quant Time: Jul 08 06:45:23 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 06:45:23 2020
 QLast Update : Wed Jul 08 06:17:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	405866	0.981	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	88467	0.904	ppbv	93
46) cis-1,3-Dichloropropene	8.71	75	102566	0.845	ppbv	91
47) 1,1,2-Trichloroethane	9.49	97	99508	0.980	ppbv	88
48) Dibromochloromethane	10.32	129	159048	1.043	ppbv	99
49) Bromoform	13.07	173	137662m	1.059	ppbv	
50) 4-Methyl-2-Pentanone	8.75	43	244461	0.975	ppbv	96
51) 2-Hexanone	10.16	43	167801	0.858	ppbv #	96
52) Tetrachloroethene	11.25	164	78502	0.935	ppbv #	87
53) Toluene	9.82	91	229227	0.905	ppbv	98
54) 1,2-Dibromoethane	10.63	107	147412m	0.978	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.15	131	139424	1.176	ppbv #	1
57) Chlorobenzene	12.17	112	224597	1.063	ppbv #	94
58) Ethyl Benzene	12.73	91	324465	1.003	ppbv	90
59) m/p-Xylene	13.02	91	614397m	2.144	ppbv	
60) o-Xylene	13.72	91	294342	1.029	ppbv	99
61) Styrene	13.55	104	159717	0.887	ppbv	96
62) Isopropylbenzene	14.69	105	440737	1.032	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.71	83	236926	1.024	ppbv	98
64) n-propylbenzene	15.60	120	108075m	0.991	ppbv	
65) tert-Butylbenzene	16.78	119	398909	1.083	ppbv	97
66) Benzyl Chloride	17.03	91	122827	1.057	ppbv #	90
67) sec-Butylbenzene	17.33	105	601798	1.138	ppbv	99
69) p-Isopropyltoluene	17.68	119	440405	1.044	ppbv	97
70) n-Butylbenzene	18.58	91	487499	1.071	ppbv	96
71) 2-Chlorotoluene	15.49	91	321192	0.995	ppbv	98
72) 4-Ethyltoluene	15.87	105	328862m	1.029	ppbv	
73) 1,3,5-Trimethylbenzene	16.02	105	320389m	1.057	ppbv	
74) 1,2,4-Trimethylbenzene	16.79	105	363783m	1.073	ppbv	
75) 1,3-Dichlorobenzene	17.03	146	232777	1.154	ppbv	97
76) 1,4-Dichlorobenzene	17.18	146	207378m	1.071	ppbv	
77) 1,2-Dichlorobenzene	17.85	146	209174m	1.126	ppbv	
78) Hexachloro-1,3-Butadiene	23.42	225	171798	1.051	ppbv	97
79) Naphthalene	22.26	128	185943m	0.644	ppbv	
80) Naphthalene, 2-methyl-	25.01	142	16099	0.153	ppbv #	89
81) 1,2,4-Trichlorobenzene	21.99	180	131048m	0.781	ppbv	

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



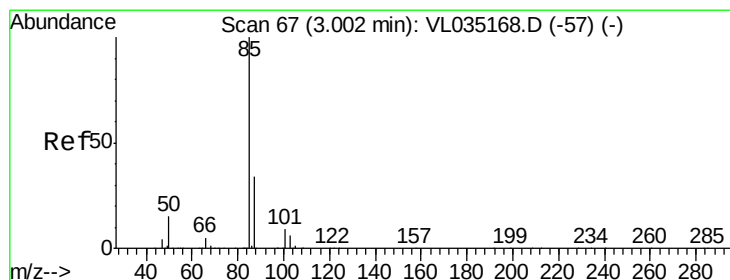
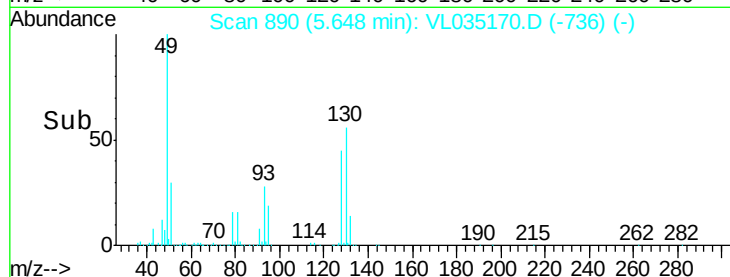
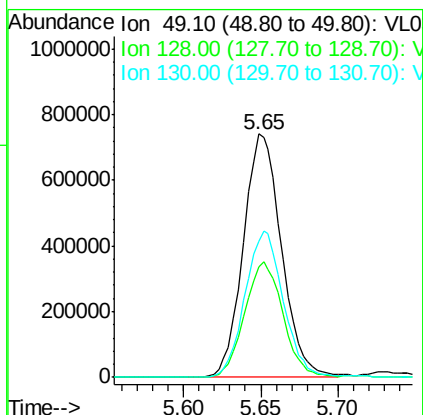
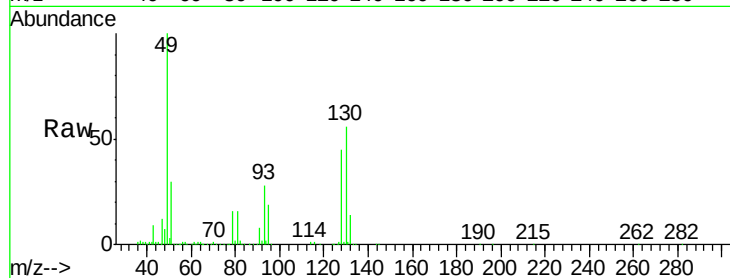
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 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65 min Scan# 890
 Delta R.T. -0.01 min
 Lab File: VL035170.D
 Acq: 8 Jul 2020 3:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
49	100		
128	48.6	23.8	71.4
130	61.1	29.9	89.8

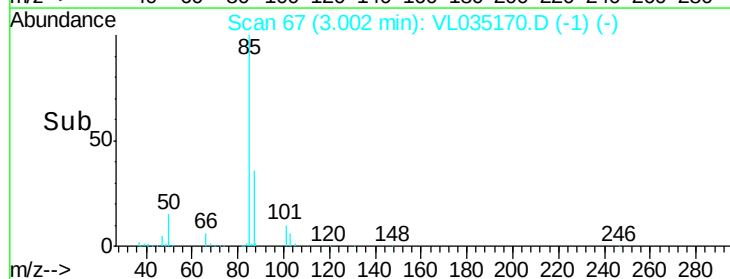
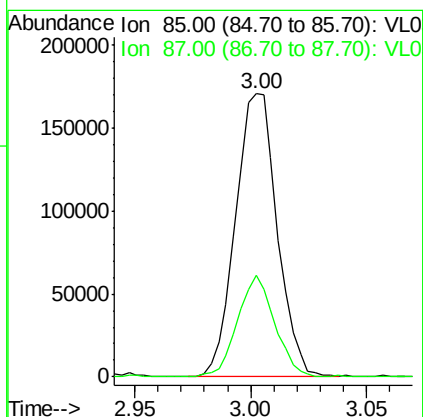
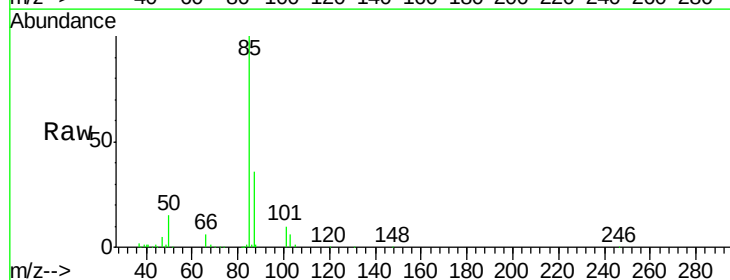
Manual Integrations
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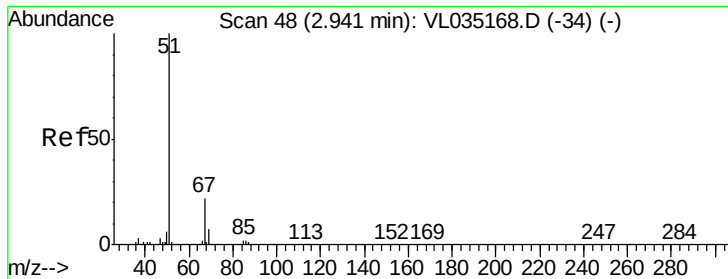
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#2
 Dichlorodifluoromethane
 Concen: 1.238 ppbv
 RT: 3.00 min Scan# 67
 Delta R.T. 0.00 min
 Lab File: VL035170.D
 Acq: 8 Jul 2020 3:56

Tgt Ion	Ratio	Lower	Upper
85	100		
87	35.9	27.0	40.6





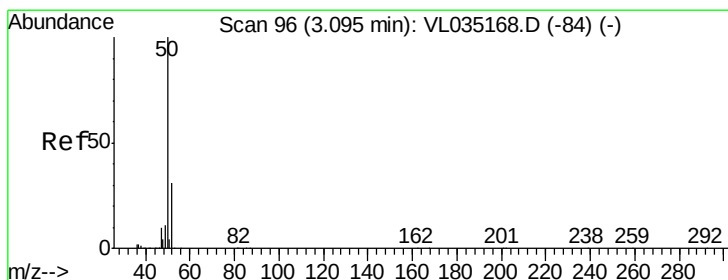
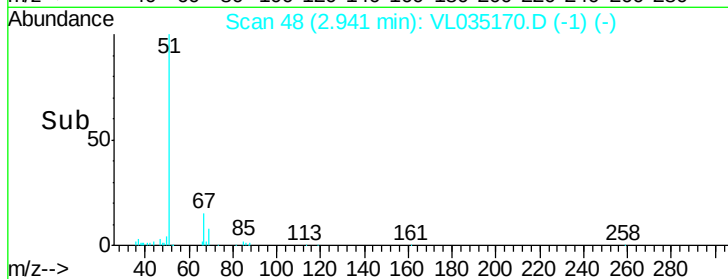
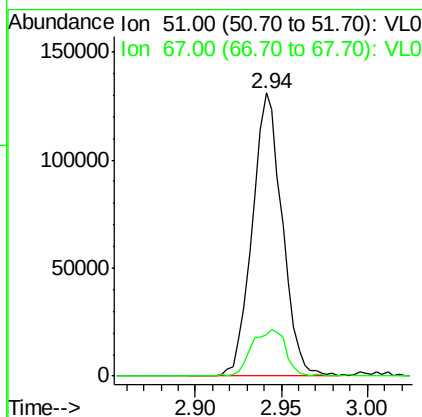
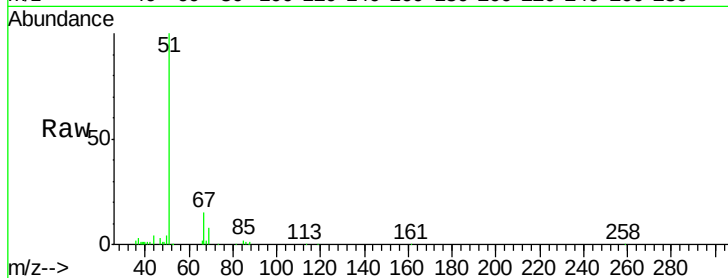
#3
 Chlorodifluoromethane
 Concen: 1.138 ppbv
 RT: 2.94 min Scan# 48
 Delta R.T. 0.00 min
 Lab File: VL035170.D
 Acq: 8 Jul 2020 3:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
51	100		
67	18.9	16.6	24.8

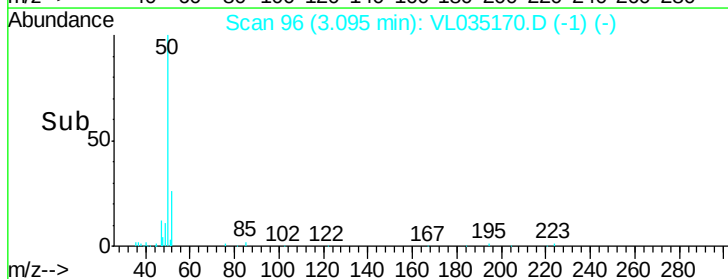
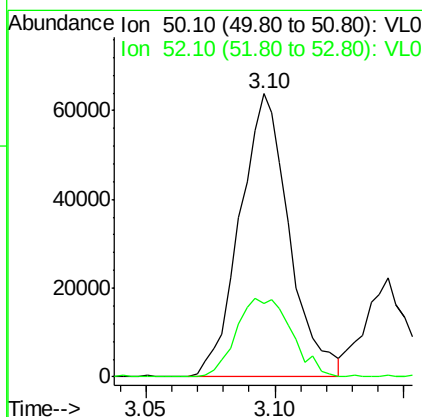
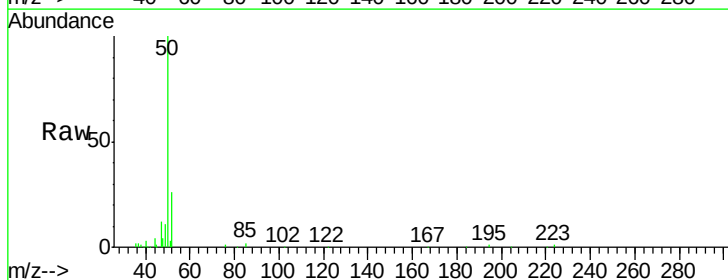
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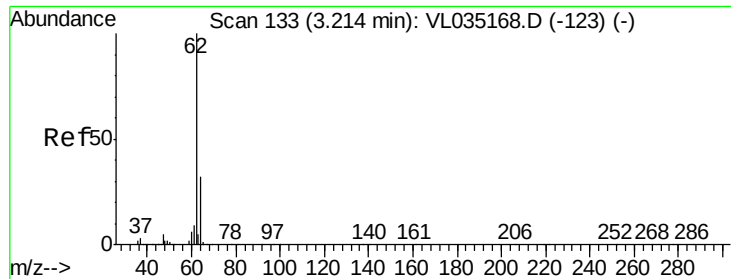
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#4
 Chloromethane
 Concen: 1.097 ppbv
 RT: 3.10 min Scan# 96
 Delta R.T. 0.00 min
 Lab File: VL035170.D
 Acq: 8 Jul 2020 3:56

Tgt Ion	Ratio	Lower	Upper
50	100		
52	25.9	25.0	37.6





#5

Vinyl Chloride

Concen: 1.097 ppbv

RT: 3.21 min Scan# 132

Delta R.T. -0.00 min

Lab File: VL035170.D

Acq: 8 Jul 2020 3:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 62 Resp: 81896

Ion Ratio Lower Upper

62 100

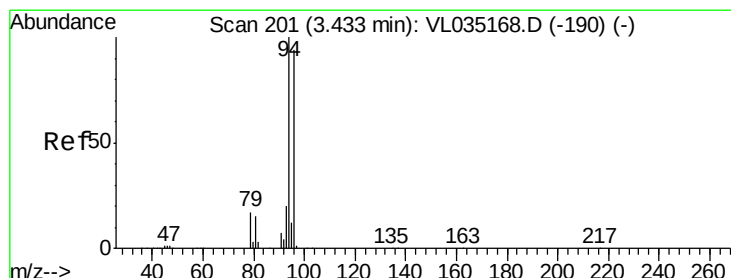
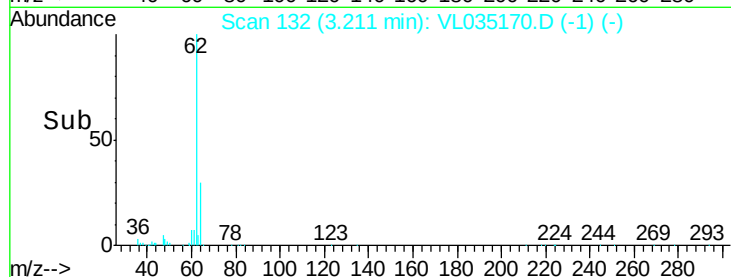
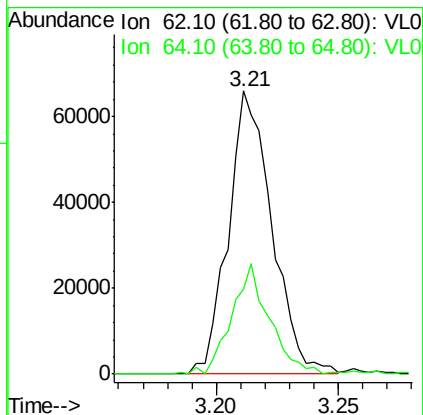
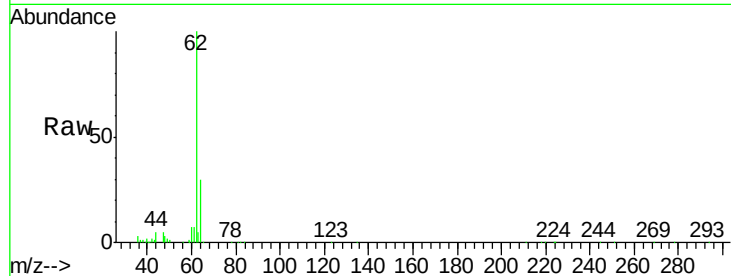
64 30.2 25.9 38.9

Manual Integrations

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#6

Bromomethane

Concen: 1.074 ppbv

RT: 3.43 min Scan# 201

Delta R.T. 0.00 min

Lab File: VL035170.D

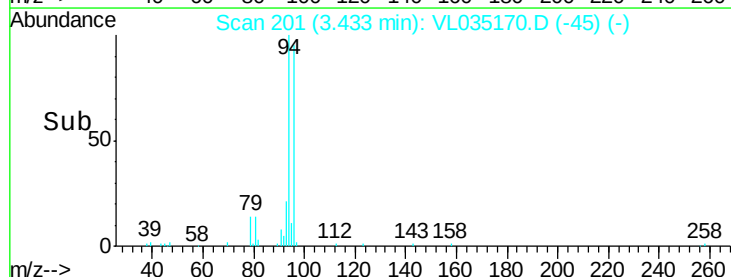
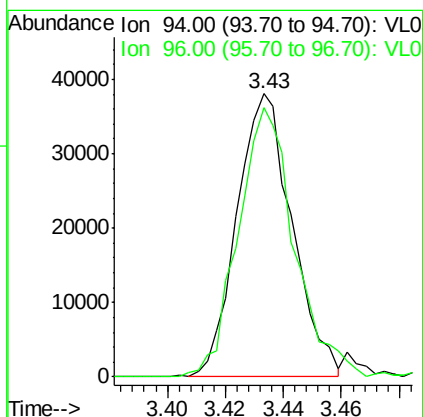
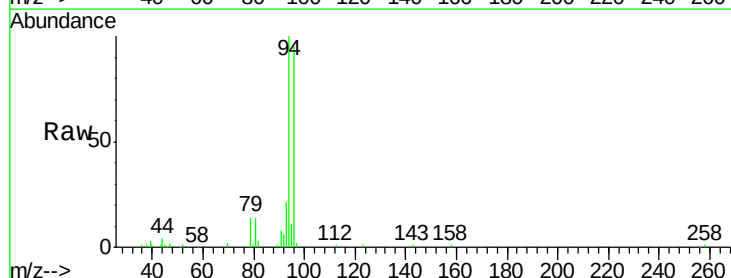
Acq: 8 Jul 2020 3:56

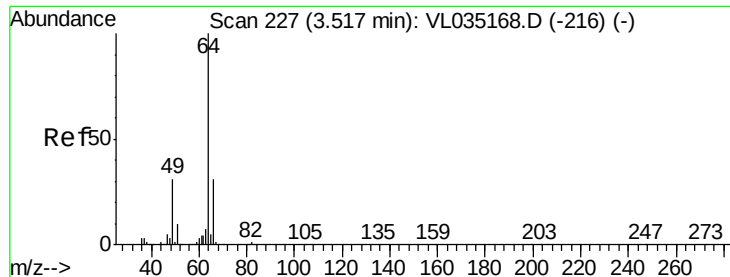
Tgt Ion: 94 Resp: 50128

Ion Ratio Lower Upper

94 100

96 93.5 74.8 112.2





#7

Chloroethane

Concen: 1.141 ppbv

RT: 3.52 min Scan# 227

Delta R.T. 0.00 min

Lab File: VL035170.D

Acq: 8 Jul 2020 3:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 64 Resp: 32341

Ion Ratio Lower Upper

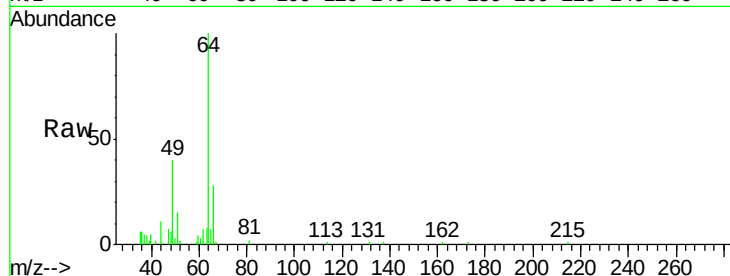
64 100

66 25.9 24.6 36.8

Manual Integrations
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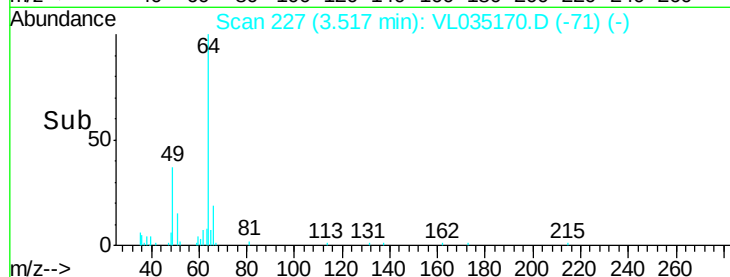


Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.52

Time-->



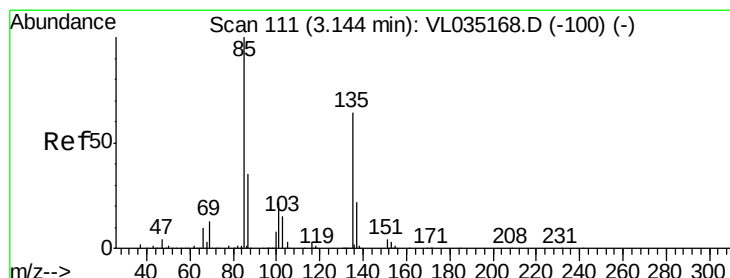
Abundance

Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.52

Time-->



#8

Dichlorotetrafluoroethane

Concen: 1.181 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL035170.D

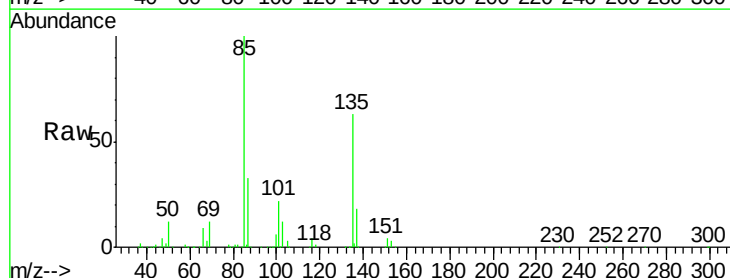
Acq: 8 Jul 2020 3:56

Tgt Ion: 85 Resp: 217786

Ion Ratio Lower Upper

85 100

135 62.4 52.1 78.1

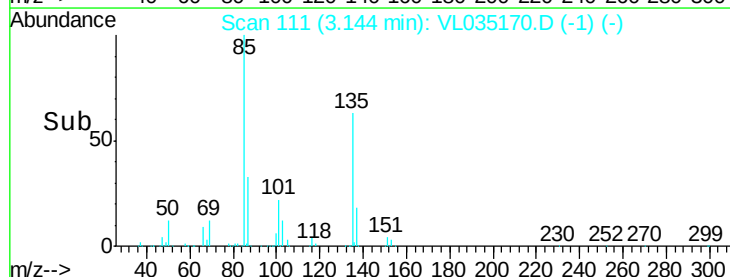


Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): VL0

3.14

Time-->



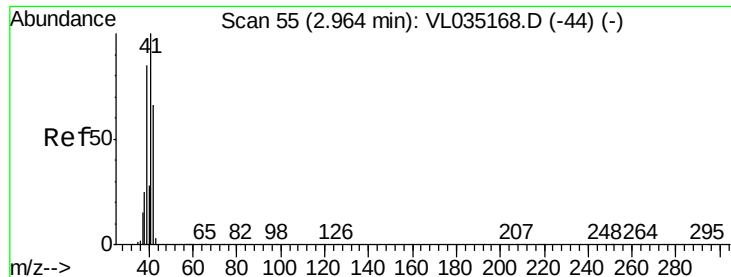
Abundance

Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): VL0

3.14

Time-->



#9

Propene

Concen: 1.051 ppbv

RT: 2.96 min Scan# 55

Delta R.T. 0.00 min

Lab File: VL035170.D

Acq: 8 Jul 2020 3:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 41 Resp: 57609

Ion Ratio Lower Upper

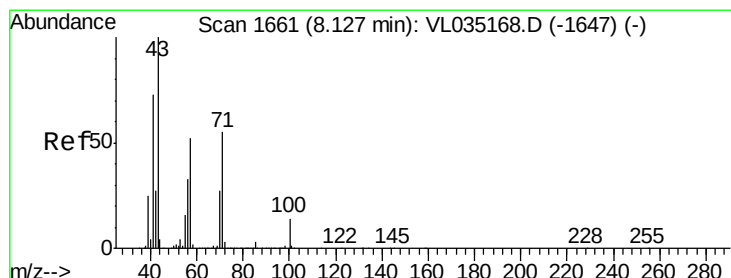
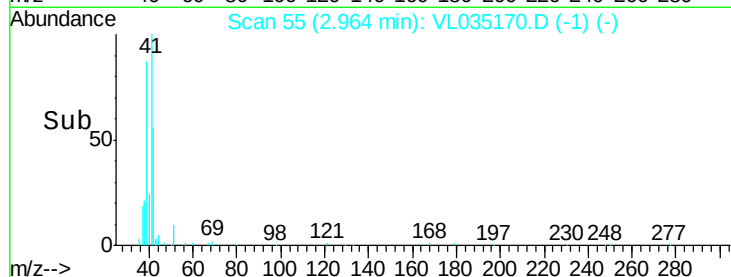
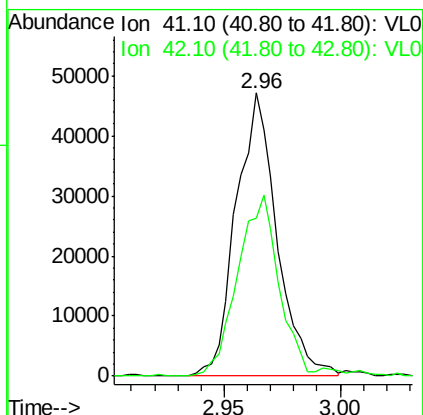
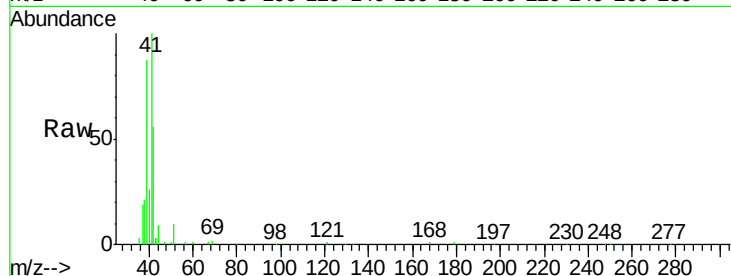
41 100

42 67.1 54.6 81.8

Manual Integrations
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#10

Heptane

Concen: 0.941 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VL035170.D

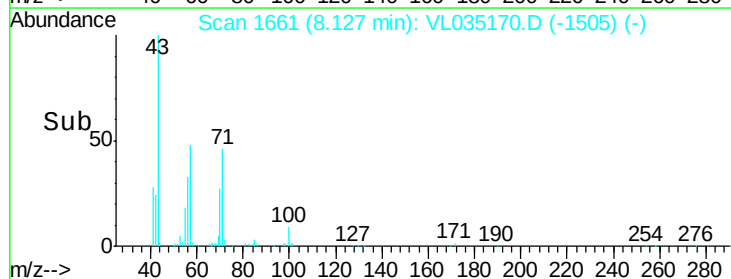
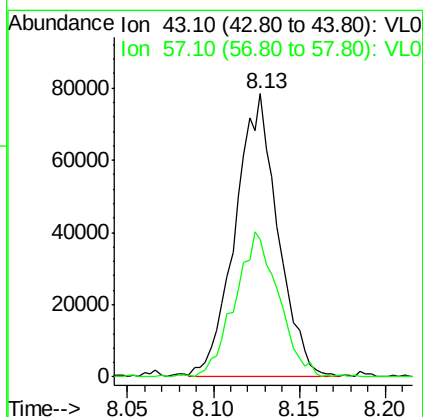
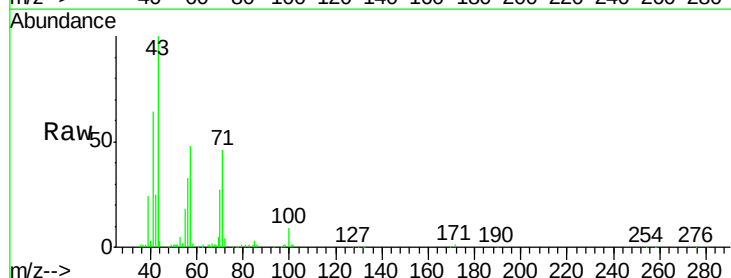
Acq: 8 Jul 2020 3:56

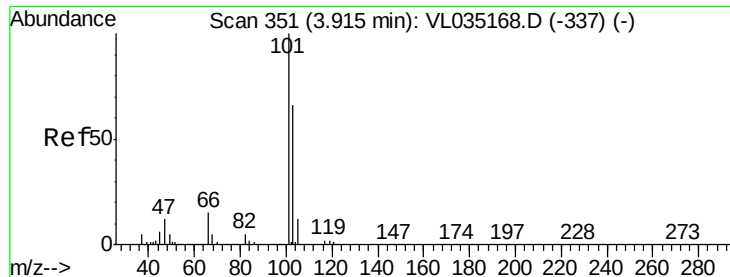
Tgt Ion: 43 Resp: 134308

Ion Ratio Lower Upper

43 100

57 52.8 41.8 62.6





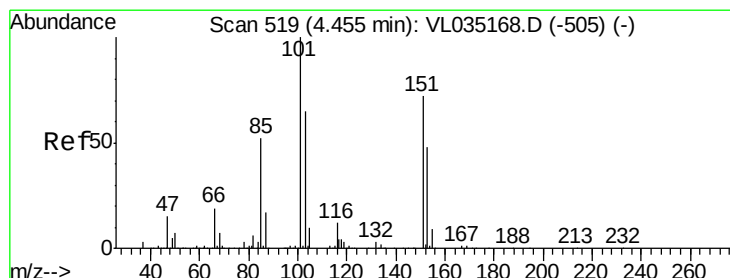
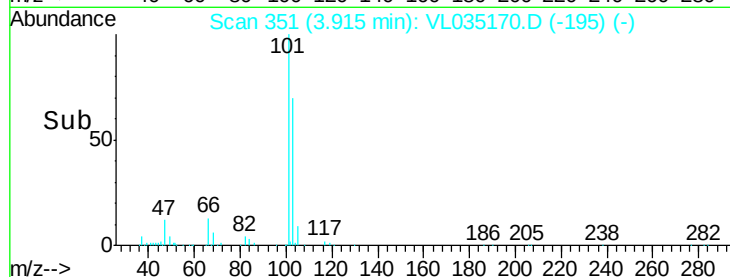
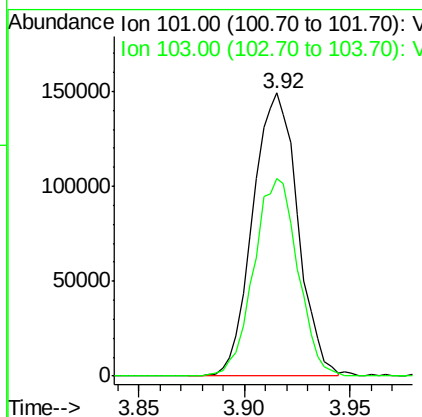
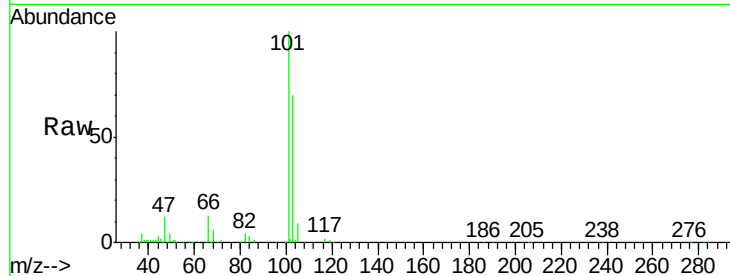
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 Trichlorofluoromethane
 Concen: 1.190 ppbv
 RT: 3.92 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VL035170.D
 Acq: 8 Jul 2020 3:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
101	100		
103	69.7	53.1	79.7

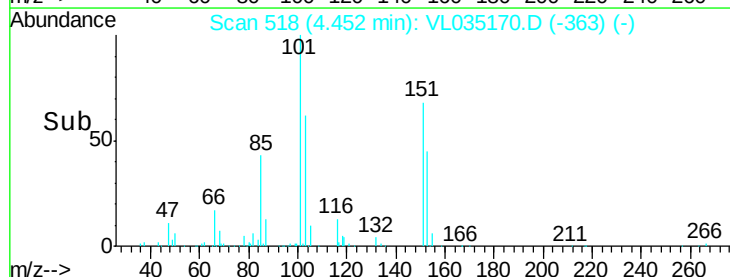
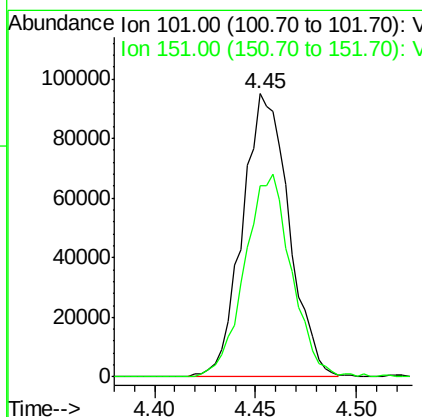
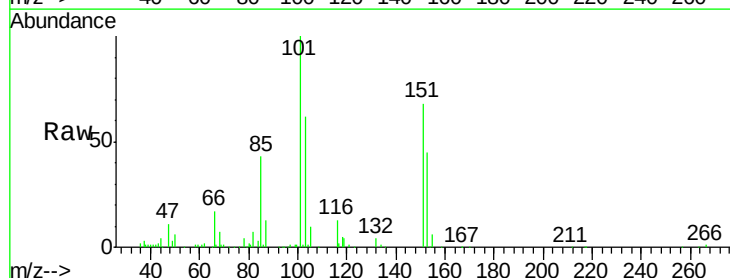
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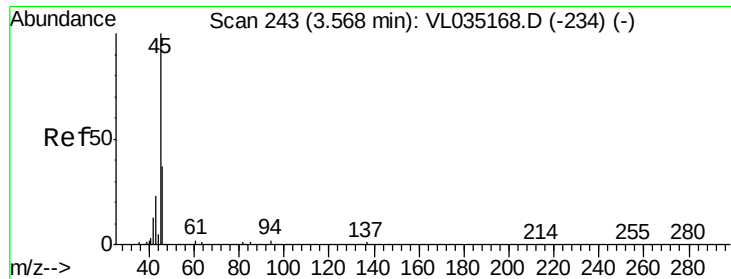
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.195 ppbv
 RT: 4.45 min Scan# 518
 Delta R.T. -0.00 min
 Lab File: VL035170.D
 Acq: 8 Jul 2020 3:56

Tgt Ion	Ratio	Lower	Upper
101	100		
151	71.7	57.0	85.4





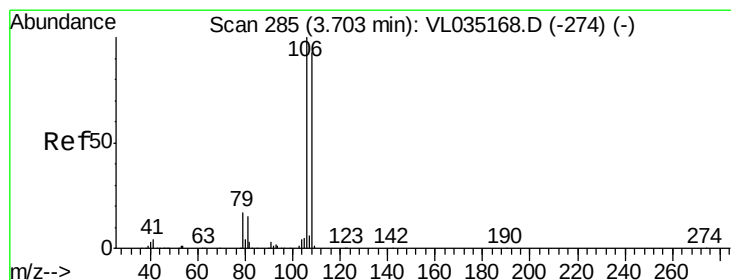
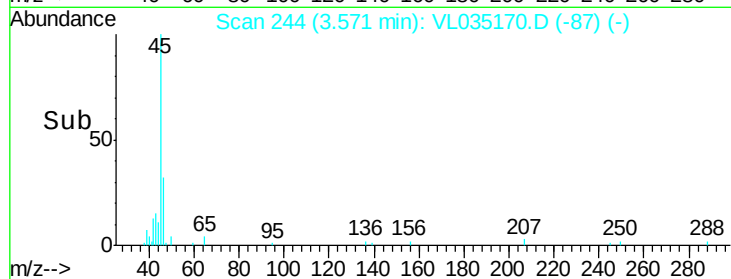
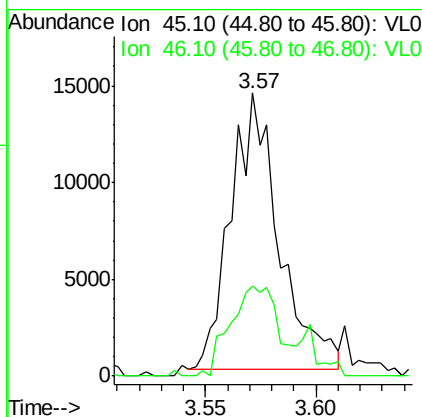
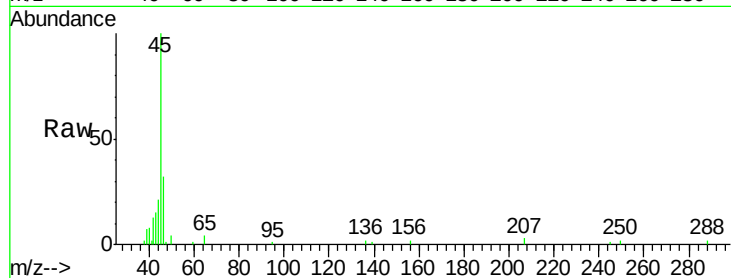
#13
Ethanol
Concen: 1.070 ppbv
RT: 3.57 min Scan# 244
Delta R.T. 0.00 min
Lab File: VL035170.D
Acq: 8 Jul 2020 3:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	45	Resp	21745
Ion Ratio	100	Lower	Upper
46	39.5	16.2	65.0

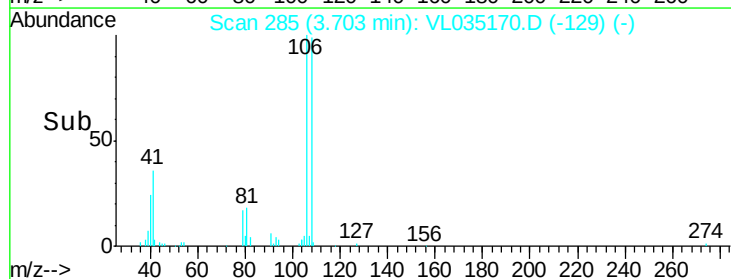
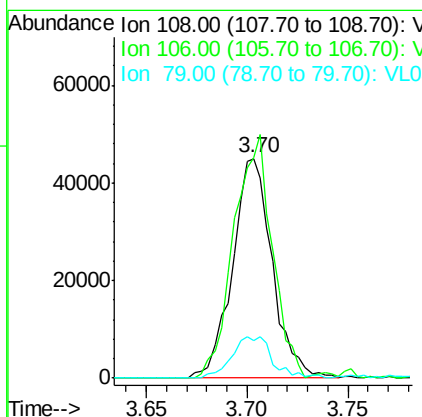
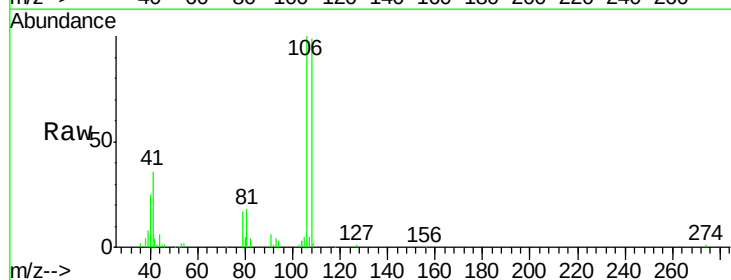
Manual Integrations
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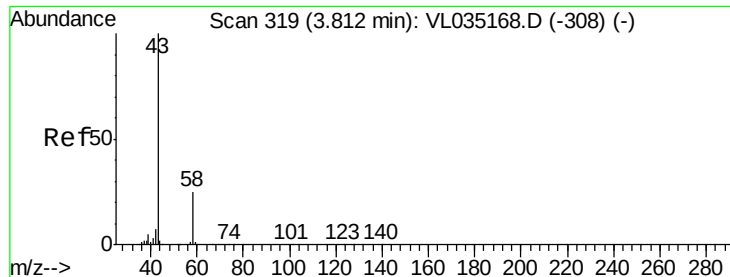
MMDadoda
7/9/2020 12:02:31 PM



#14
Bromoethene
Concen: 1.129 ppbv
RT: 3.70 min Scan# 285
Delta R.T. 0.00 min
Lab File: VL035170.D
Acq: 8 Jul 2020 3:56

Tgt Ion	108	Resp	62145
Ion Ratio	100	Lower	Upper
106	110.0	86.2	129.2
79	19.4	15.0	22.6





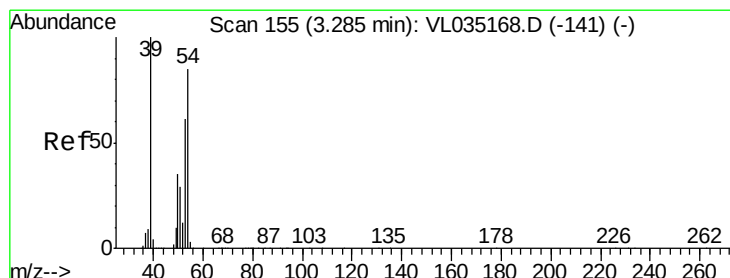
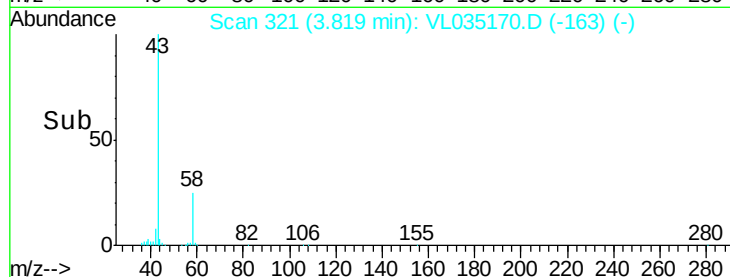
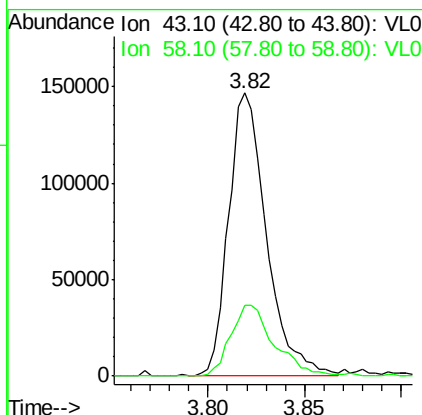
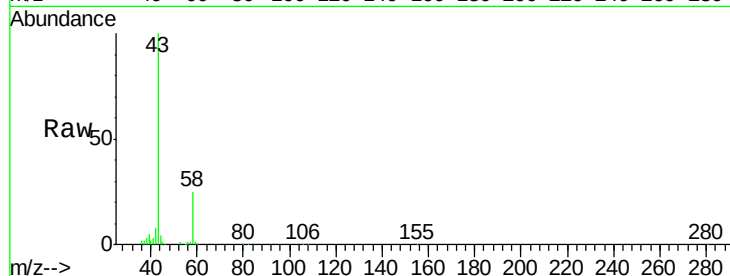
#15
Acetone
Concen: 1.292 ppbv
RT: 3.82 min Scan# 321
Delta R.T. 0.01 min
Lab File: VL035170.D
Acq: 8 Jul 2020 3:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	43	Resp	199751
Ion Ratio	100	Lower	Upper
58	29.2	21.3	31.9

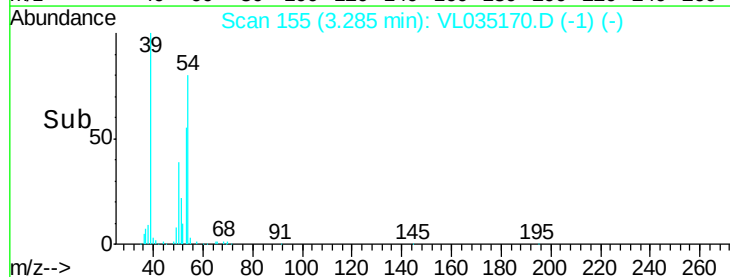
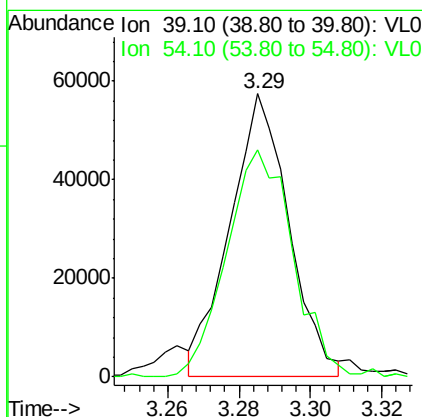
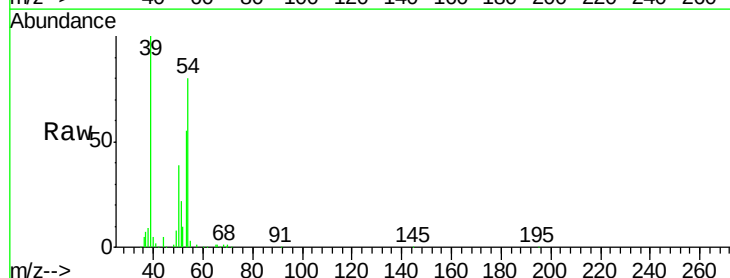
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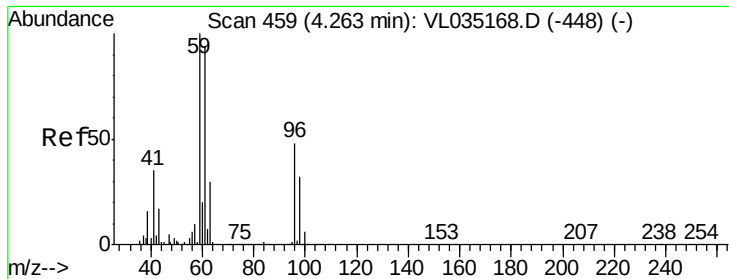
MMDadoda
7/9/2020 12:02:31 PM



#16
1,3-Butadiene
Concen: 0.974 ppbv
RT: 3.29 min Scan# 155
Delta R.T. 0.00 min
Lab File: VL035170.D
Acq: 8 Jul 2020 3:56

Tgt Ion	39	Resp	65295
Ion Ratio	100	Lower	Upper
54	91.6	67.2	100.8





#17

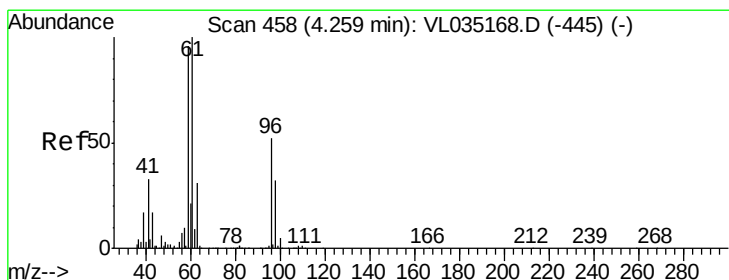
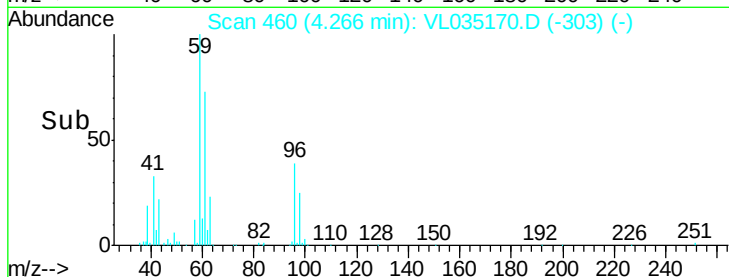
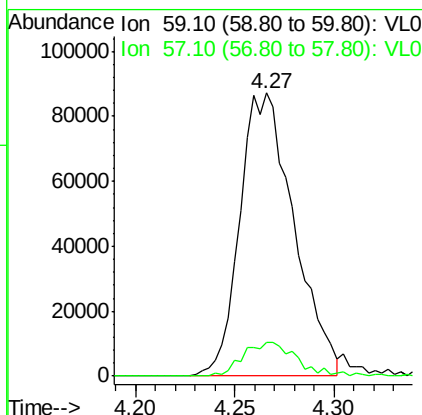
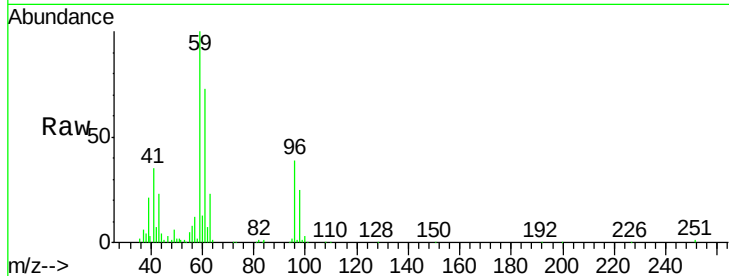
tert-Butyl alcohol
Concen: 1.196 ppbv m
RT: 4.27 min Scan# 460
Delta R.T. 0.00 min
Lab File: VL035170.D
Acq: 8 Jul 2020 3:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.6	12.8#

Manual Integrations
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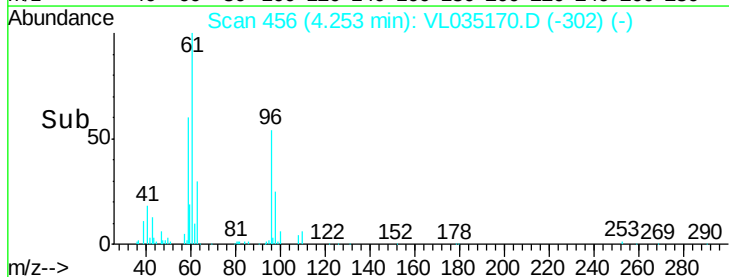
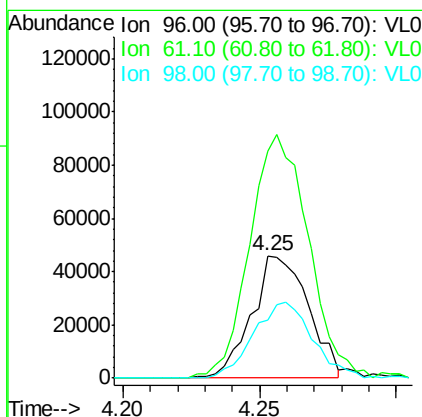
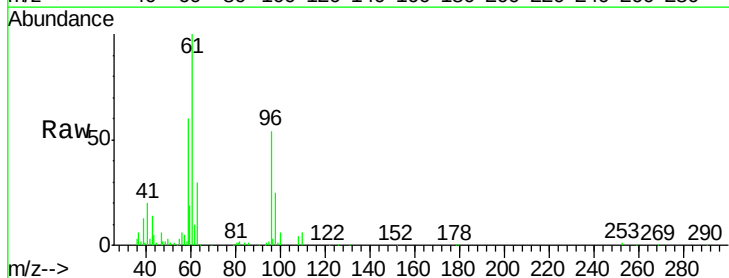
MMDadoda
7/9/2020 12:02:31 PM

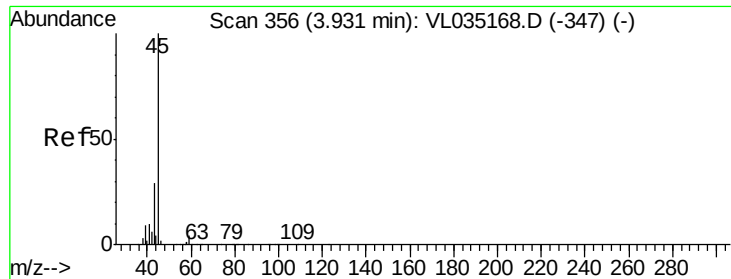


#18

1,1-Dichloroethene
Concen: 1.142 ppbv
RT: 4.25 min Scan# 456
Delta R.T. -0.01 min
Lab File: VL035170.D
Acq: 8 Jul 2020 3:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	184.8	152.9	229.3
98	47.1	48.7	73.1#





#19

Isopropyl Alcohol

Concen: 1.130 ppbv m

RT: 3.94 min Scan# 358

Delta R.T. 0.01 min

Lab File: VL035170.D

Acq: 8 Jul 2020 3:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 45 Resp: 112357

Ion Ratio Lower Upper

45 100

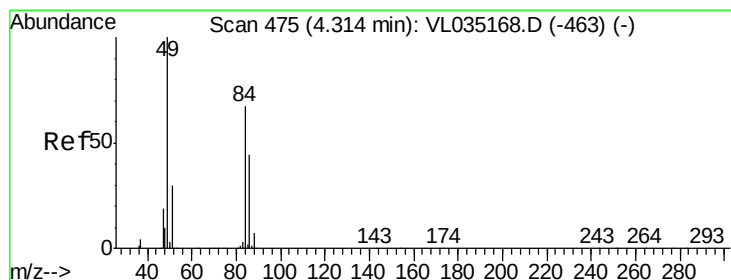
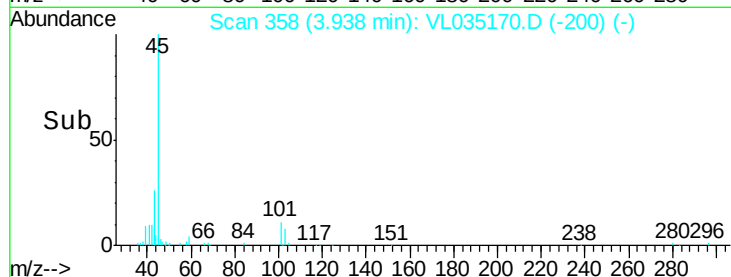
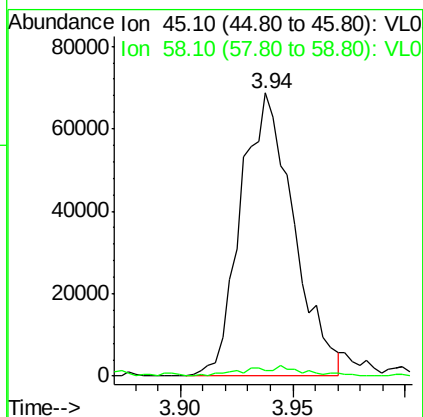
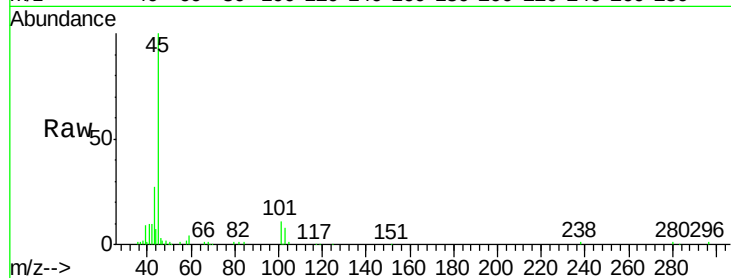
58 4.5 2.1 3.1#

Manual Integrations

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#20

Methylene Chloride

Concen: 1.435 ppbv

RT: 4.31 min Scan# 474

Delta R.T. -0.00 min

Lab File: VL035170.D

Acq: 8 Jul 2020 3:56

Tgt Ion: 84 Resp: 90336

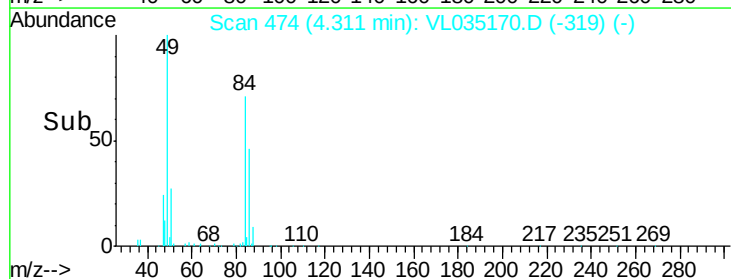
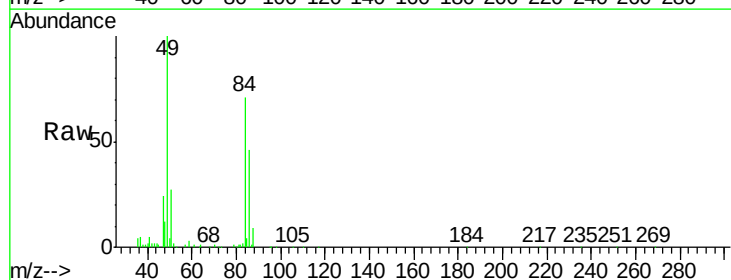
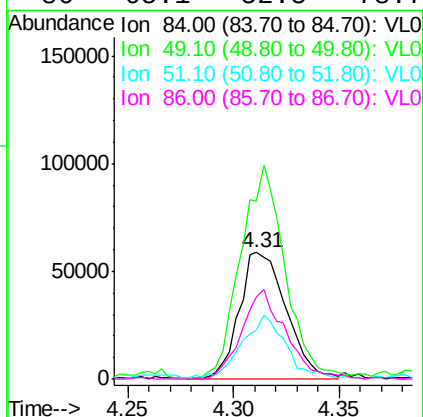
Ion Ratio Lower Upper

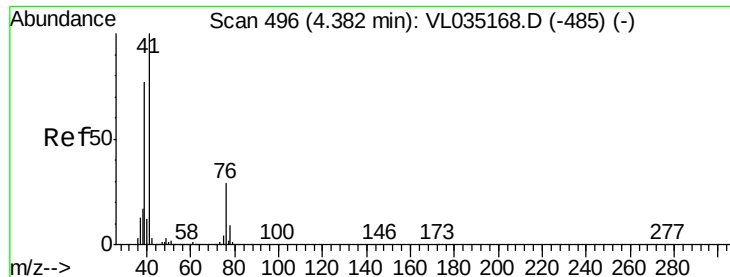
84 100

49 141.8 119.4 179.0

51 37.5 36.6 55.0

86 65.1 52.5 78.7





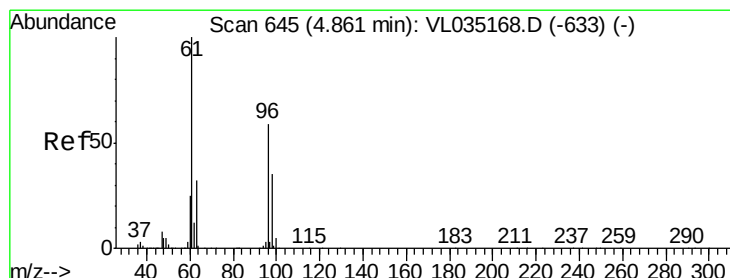
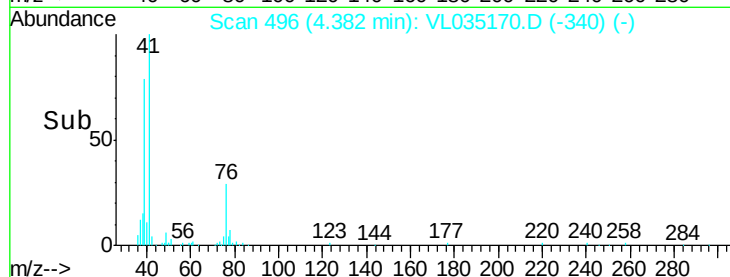
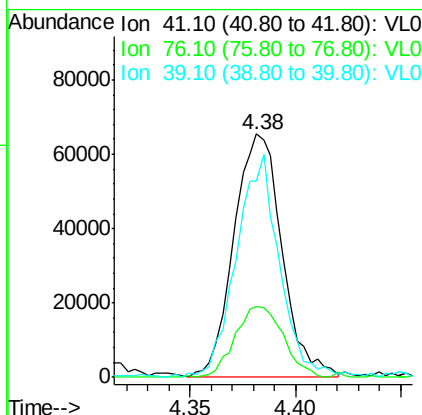
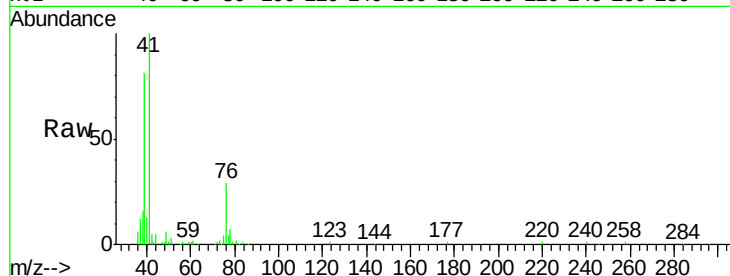
#21
Allvl Chloride
Concen: 1.125 ppbv
RT: 4.38 min Scan# 496
Delta R.T. 0.00 min
Lab File: VL035170.D
Acq: 8 Jul 2020 3:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
76	29.9	23.5	35.3
39	84.2	63.4	95.0

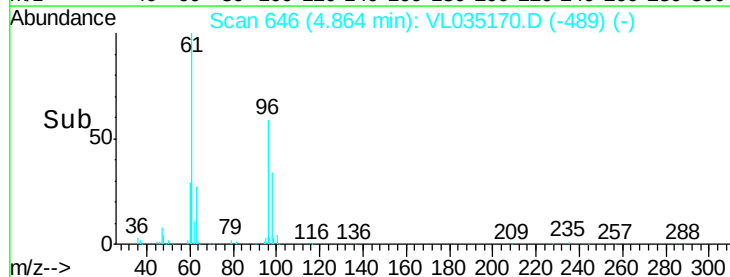
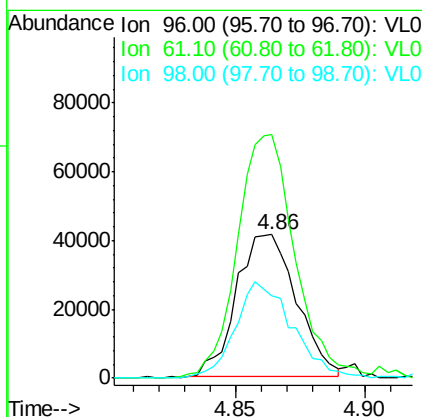
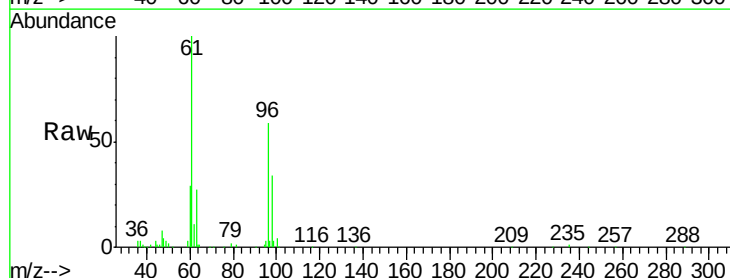
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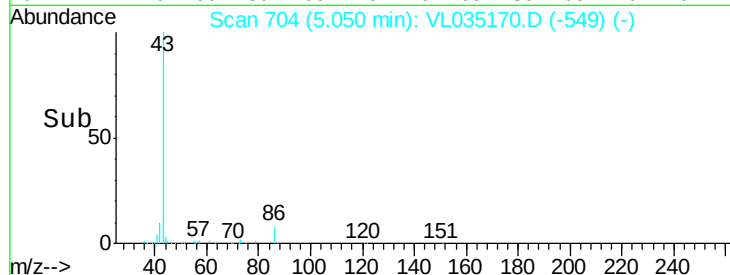
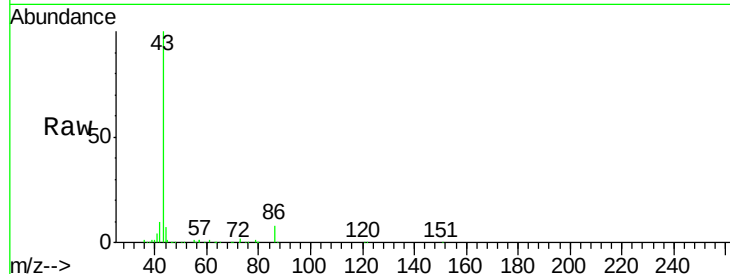
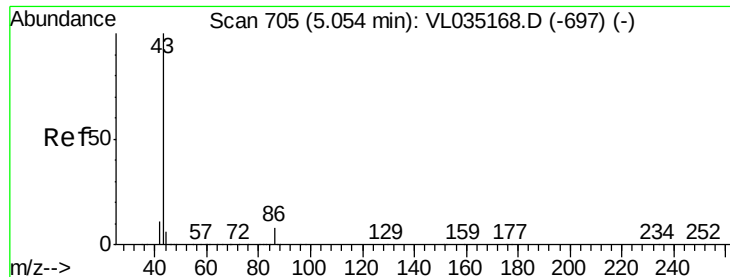
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#22
trans-1,2-Dichloroethene
Concen: 1.224 ppbv
RT: 4.86 min Scan# 646
Delta R.T. 0.00 min
Lab File: VL035170.D
Acq: 8 Jul 2020 3:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.9	136.5	204.7
98	57.1	47.5	71.3





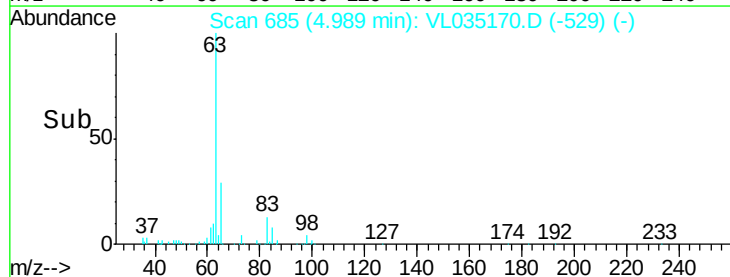
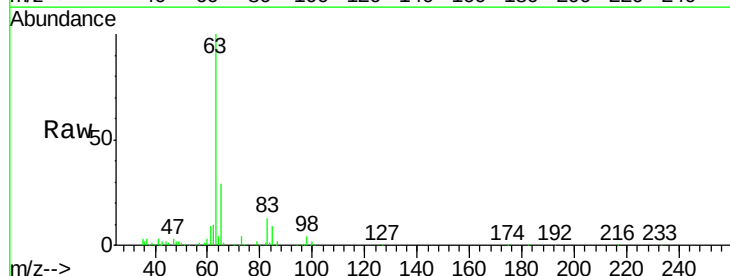
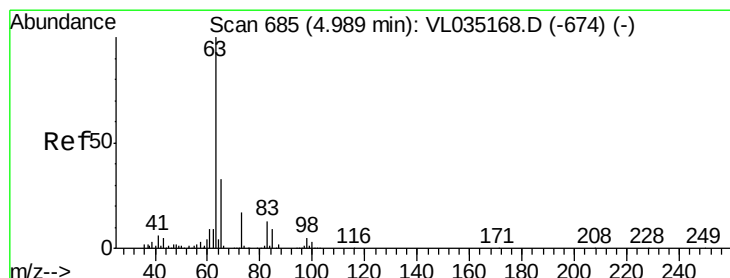
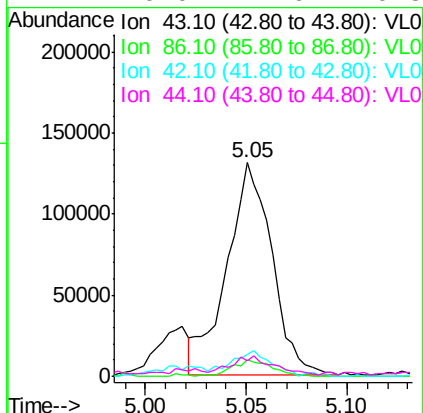
#23
 Vinyl Acetate
 Concen: 1.108 ppbv
 RT: 5.05 min Scan# 704
 Delta R.T. -0.00 min
 Lab File: VL035170.D
 Acq: 8 Jul 2020 3:56

Tot Ion	43	Resp	205061
Ion Ratio	Lower	Upper	
43	100		
86	7.9	6.2	9.2
42	10.4	9.1	13.7
44	6.0	4.6	6.8

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

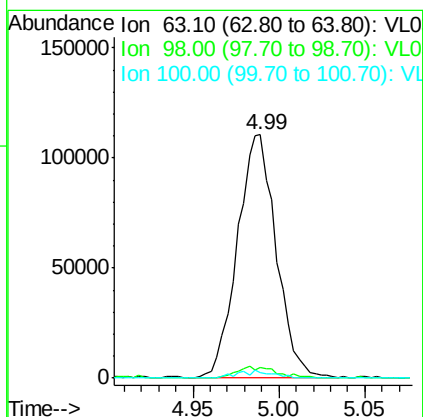
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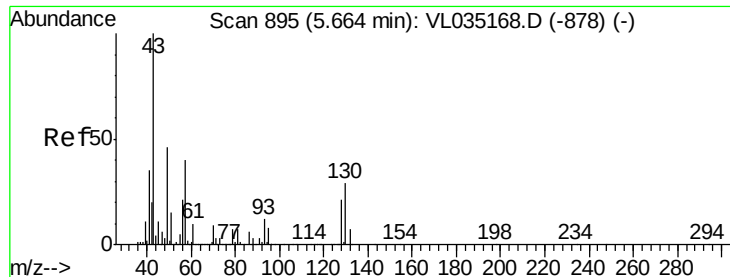
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#24
 1,1-Dichloroethane
 Concen: 1.109 ppbv
 RT: 4.99 min Scan# 685
 Delta R.T. 0.00 min
 Lab File: VL035170.D
 Acq: 8 Jul 2020 3:56

Tgt Ion	63	Resp	174071
Ion Ratio	Lower	Upper	
63	100		
98	4.4	2.4	7.1
100	2.3	1.4	4.0





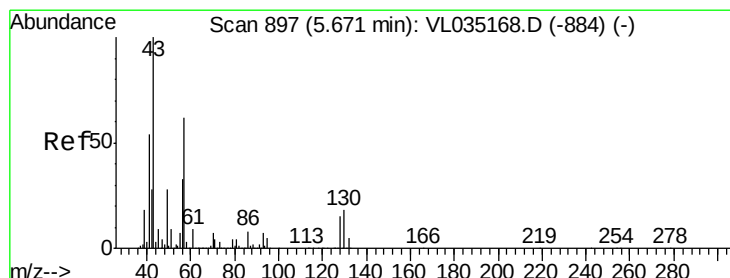
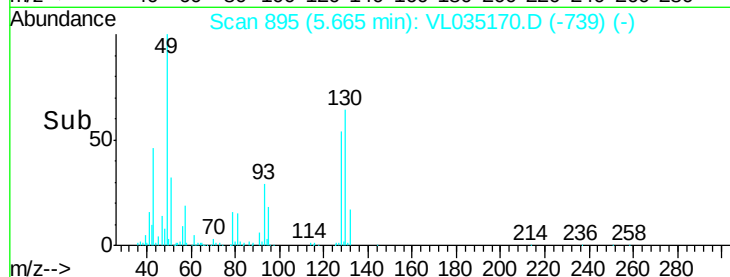
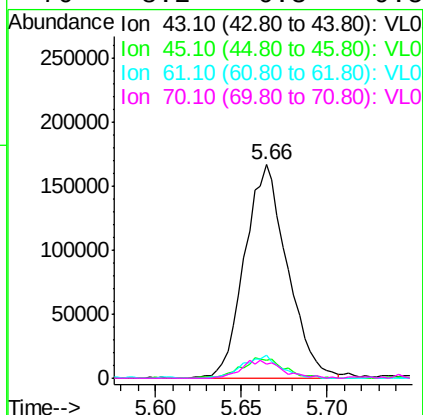
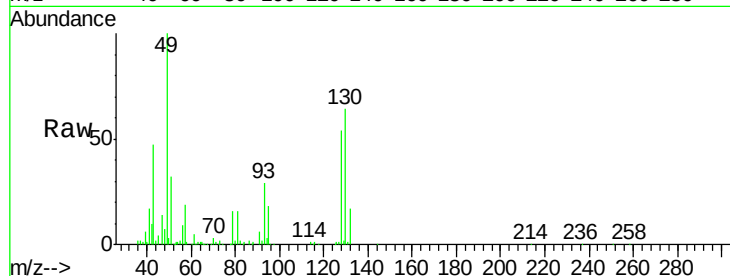
#25
Ethyl Acetate
Concen: 1.043 ppbv
RT: 5.66 min Scan# 895
Delta R.T. 0.00 min
Lab File: VL035170.D
Acq: 8 Jul 2020 3:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		287991		
45	9.7	8.5	12.7		
61	9.7	8.1	12.1		
70	8.2	6.3	9.5		

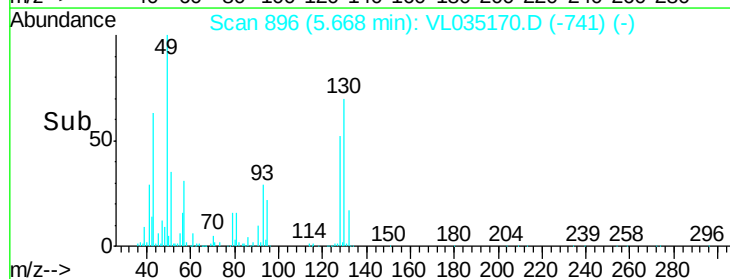
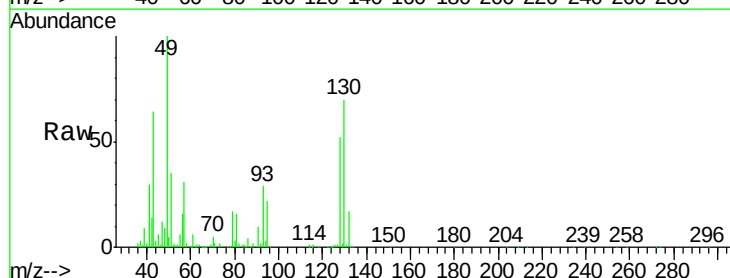
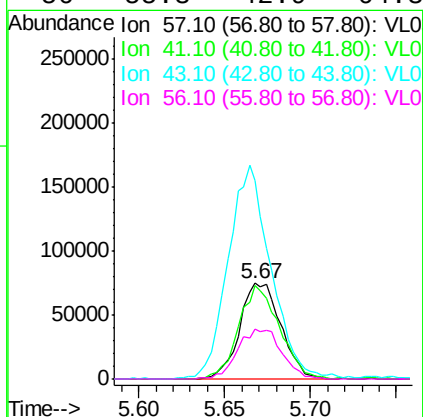
Manual Integrations
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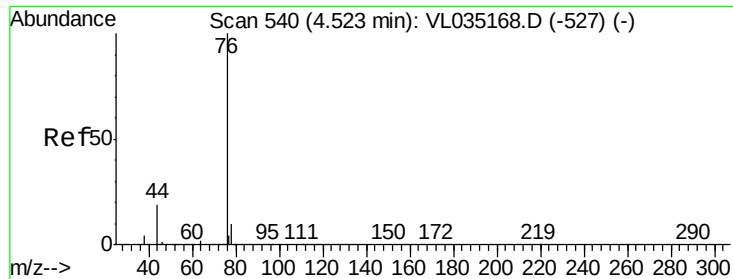
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#26
Hexane
Concen: 1.001 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.00 min
Lab File: VL035170.D
Acq: 8 Jul 2020 3:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100		124814		
41	97.1	72.9	109.3		
43	233.3	179.5	269.3		
56	55.3	42.9	64.3		





#27

Carbon Disulfide

Concen: 1.313 ppbv

RT: 4.53 min Scan# 541

Delta R.T. 0.00 min

Lab File: VL035170.D

Acq: 8 Jul 2020 3:56

Instrument :

MSVOA_L

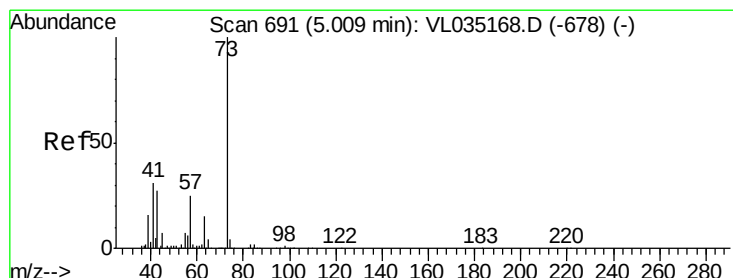
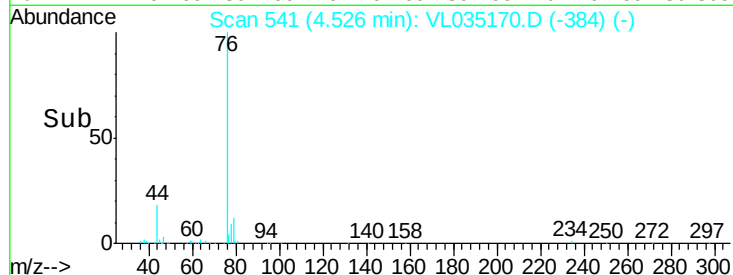
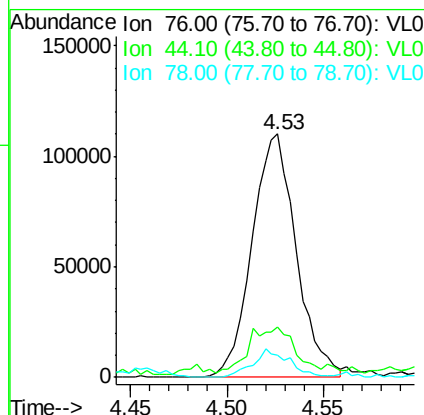
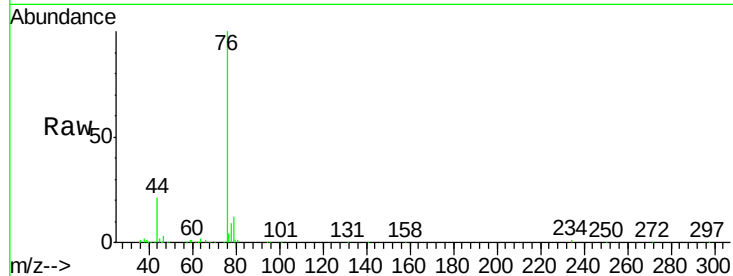
ClientSampleId :

VSTDIC001

Tot Ion:	76	Resp:	174679
Ion	Ratio	Lower	Upper
76	100		
44	24.5	14.9	22.3#
78	9.9	7.5	11.3

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 1.081 ppbv

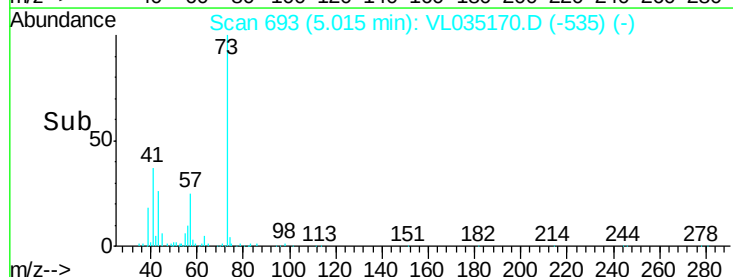
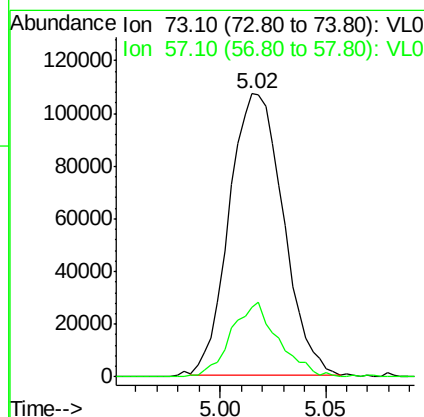
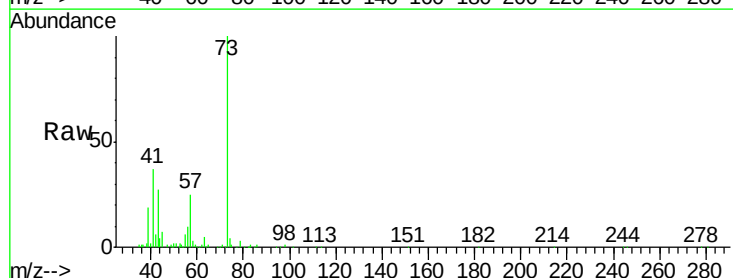
RT: 5.02 min Scan# 693

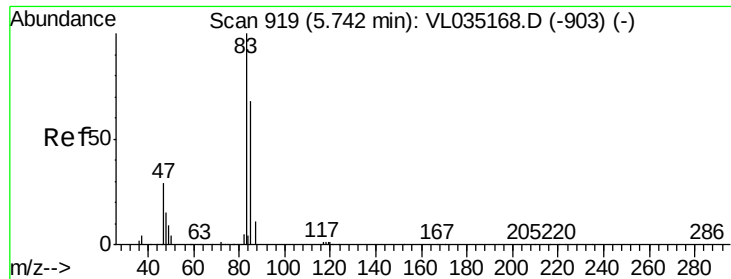
Delta R.T. 0.01 min

Lab File: VL035170.D

Acq: 8 Jul 2020 3:56

Tgt Ion:	73	Resp:	189765
Ion	Ratio	Lower	Upper
73	100		
57	23.7	18.1	27.1





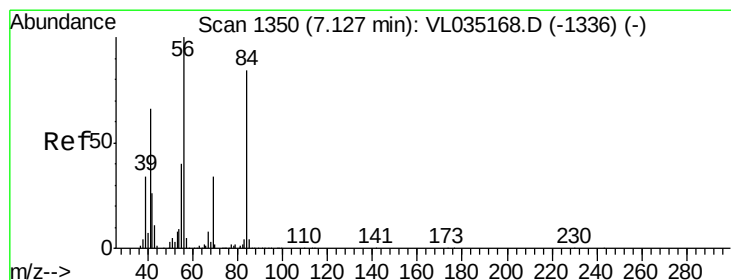
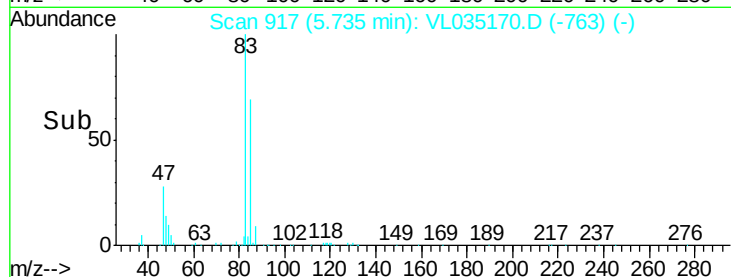
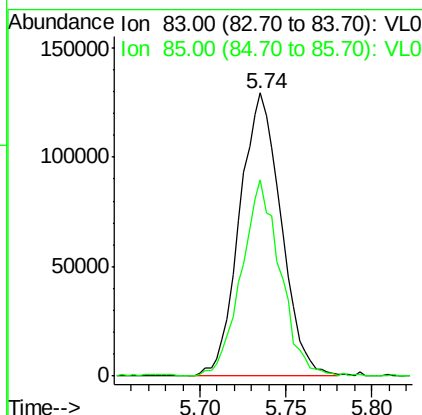
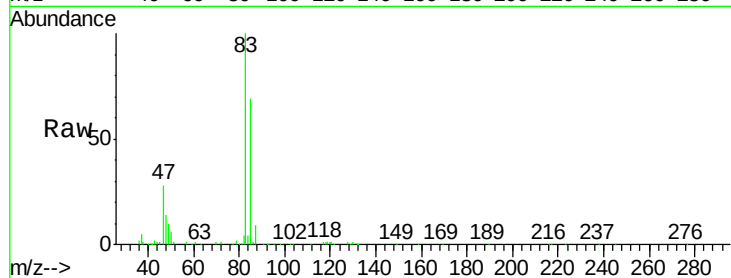
#29
Chloroform
Concen: 1.105 ppbv
RT: 5.74 min Scan# 917
Delta R.T. -0.01 min
Lab File: VL035170.D
Acq: 8 Jul 2020 3:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
83	100		
85	69.4	54.3	81.5

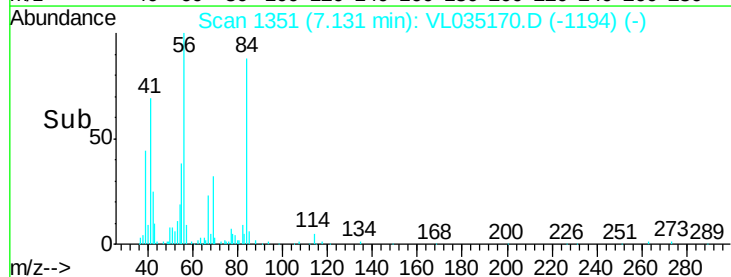
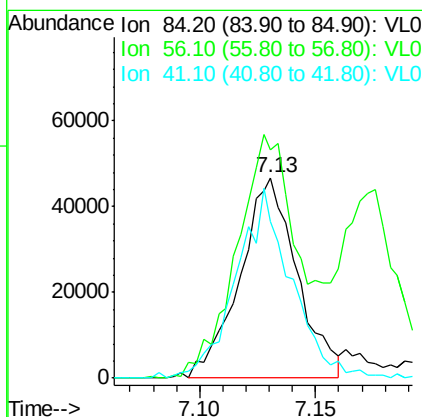
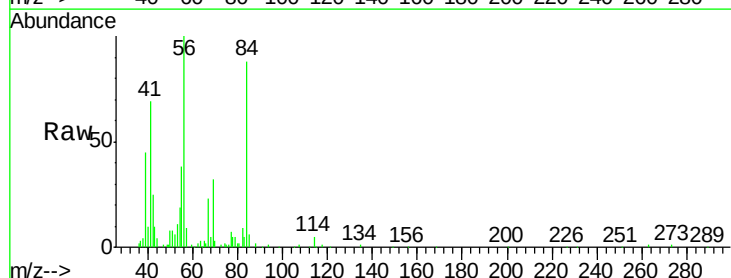
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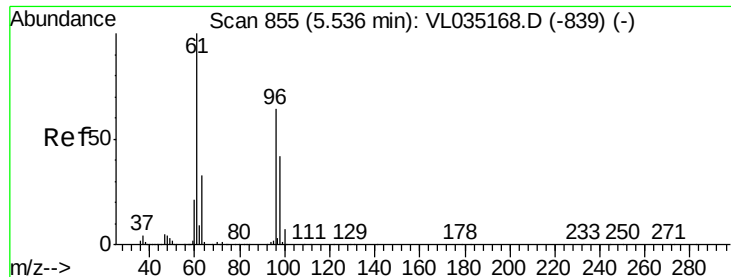
MMDadoda
7/9/2020 12:02:31 PM



#30
Cyclohexane
Concen: 0.898 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. 0.00 min
Lab File: VL035170.D
Acq: 8 Jul 2020 3:56

Tgt Ion	Ratio	Lower	Upper
84	100		
56	125.2	105.6	158.4
41	92.1	64.9	97.3





#31

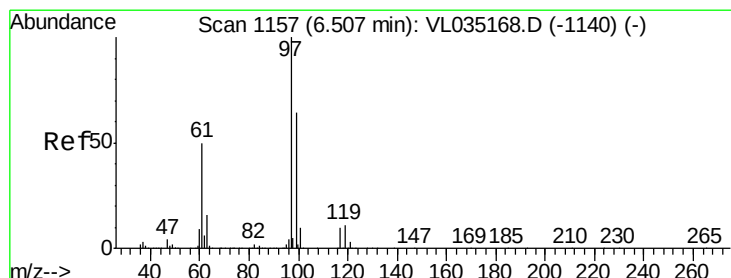
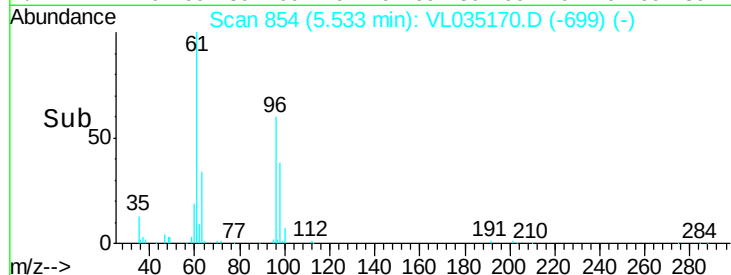
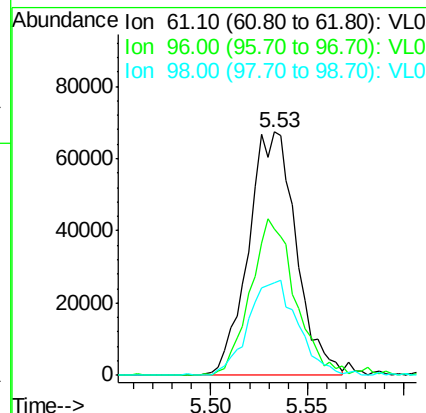
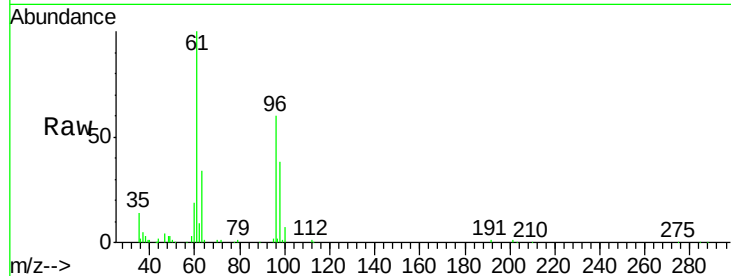
cis-1,2-Dichloroethene
 Concen: 1.015 ppbv m
 RT: 5.53 min Scan# 854
 Delta R.T. -0.00 min
 Lab File: VL035170.D
 Acq: 8 Jul 2020 3:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
61	100		
96	59.9	51.3	76.9
98	38.3	33.8	50.8

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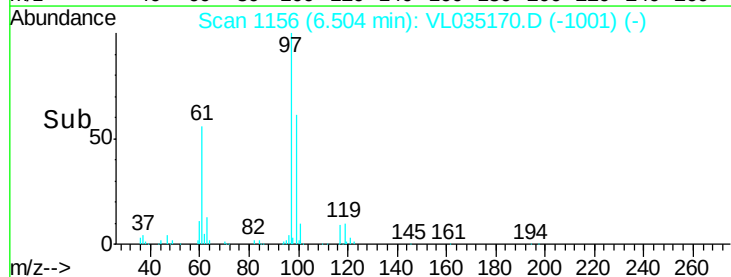
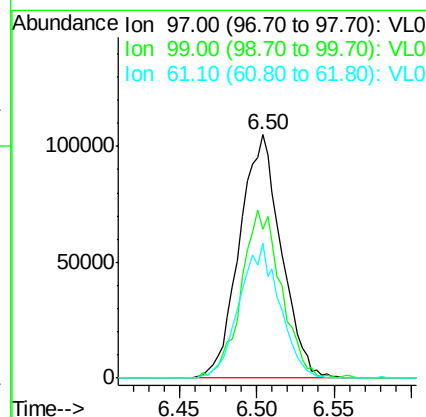
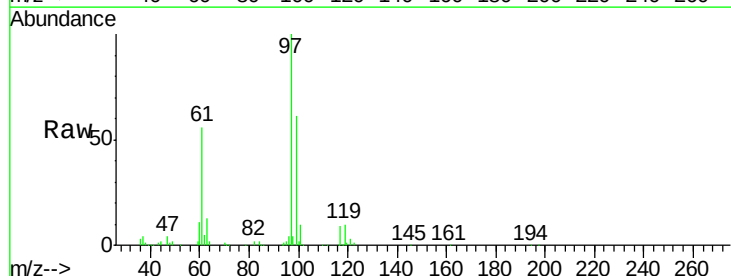
MMDadoda
 7/9/2020 12:02:31 PM

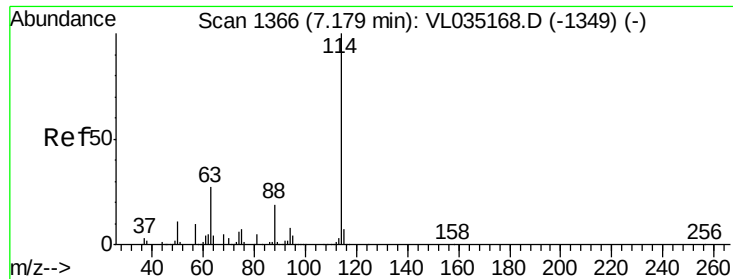


#32

1,1,1-Trichloroethane
 Concen: 1.083 ppbv
 RT: 6.50 min Scan# 1156
 Delta R.T. -0.00 min
 Lab File: VL035170.D
 Acq: 8 Jul 2020 3:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.3	51.2	76.8
61	53.2	40.9	61.3





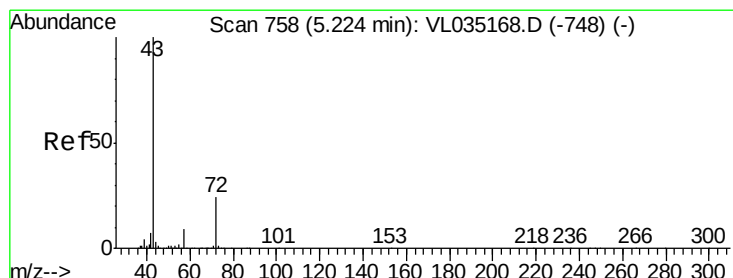
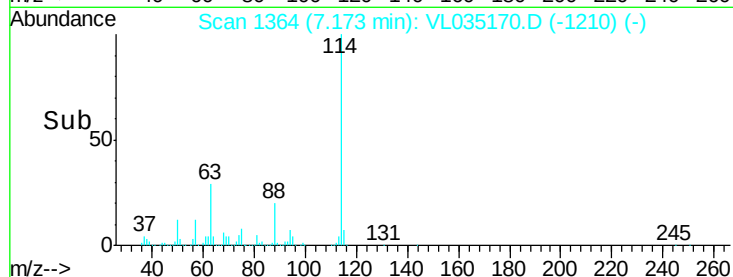
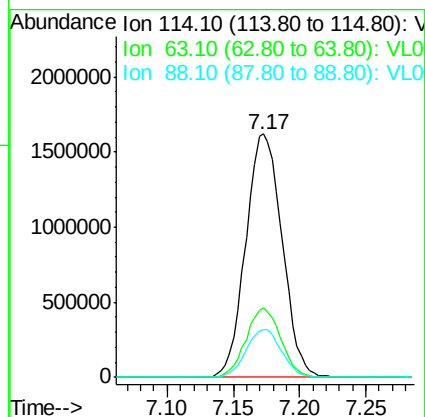
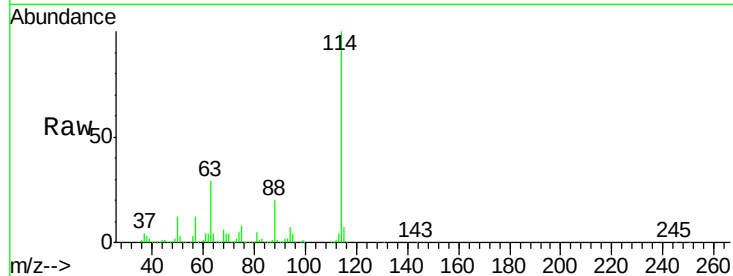
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VL035170.D
 Acq: 8 Jul 2020 3:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion:114 Resp: 3092648
 Ion Ratio Lower Upper
 114 100
 63 27.5 22.0 33.0
 88 19.2 15.4 23.0

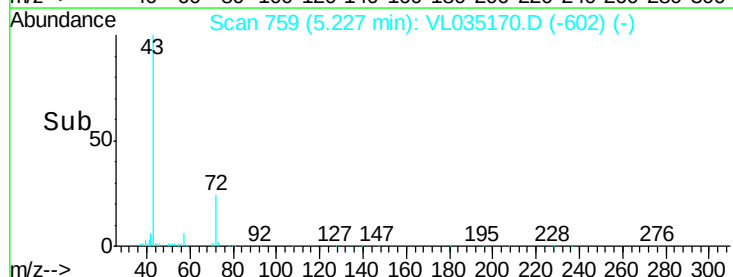
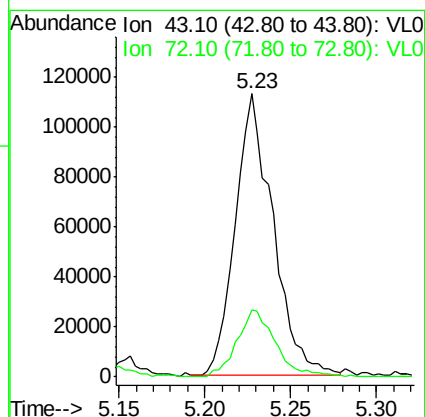
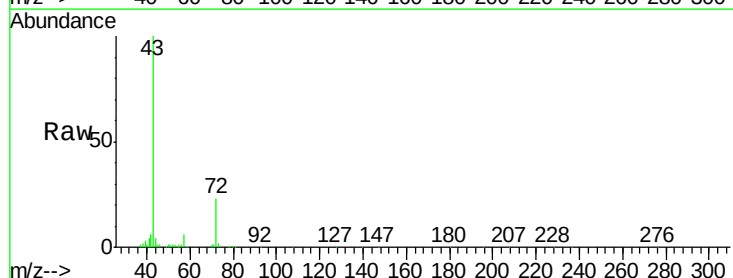
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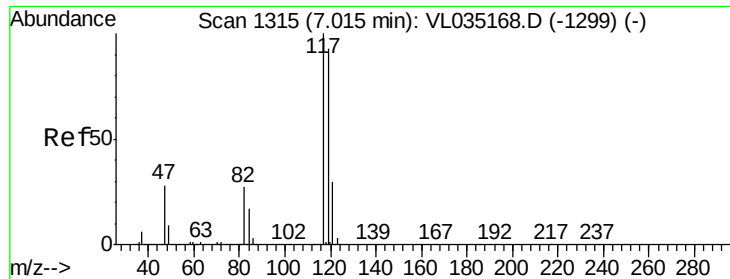
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#34
 2-Butanone
 Concen: 0.993 ppbv
 RT: 5.23 min Scan# 759
 Delta R.T. 0.00 min
 Lab File: VL035170.D
 Acq: 8 Jul 2020 3:56

Tgt Ion: 43 Resp: 173788
 Ion Ratio Lower Upper
 43 100
 72 24.3 18.6 28.0





#35

Carbon Tetrachloride

Concen: 1.049 ppbv m

RT: 7.02 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VL035170.D

Acq: 8 Jul 2020 3:56

Instrument :

MSVOA_L

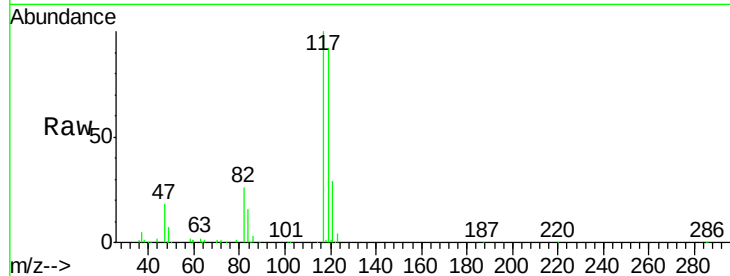
ClientSampleId :

VSTDIC001

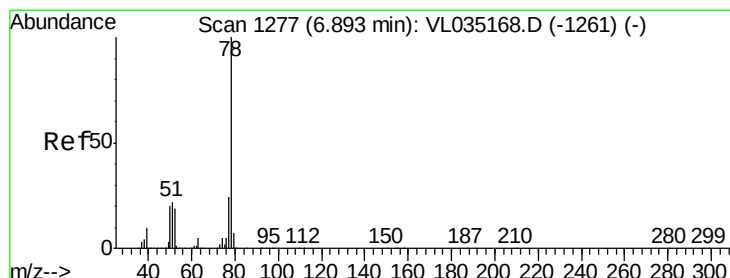
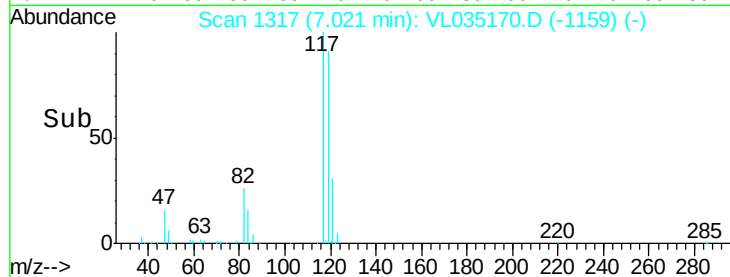
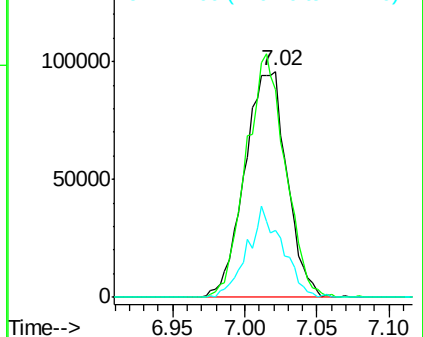
Tot Ion:	117	Resp:	195199
Ion Ratio	Lower	Upper	
117	100		
119	92.1	74.8	112.2
121	29.5	24.2	36.2

Manual Integrations
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Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 0.974 ppbv

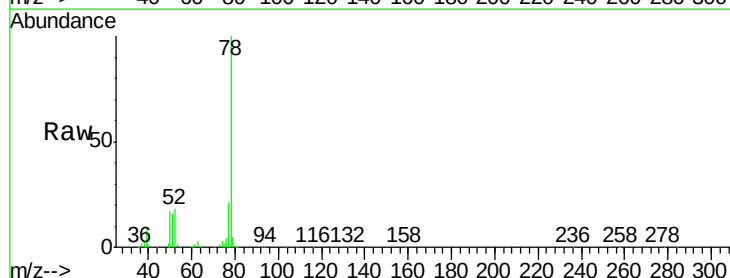
RT: 6.89 min Scan# 1276

Delta R.T. -0.00 min

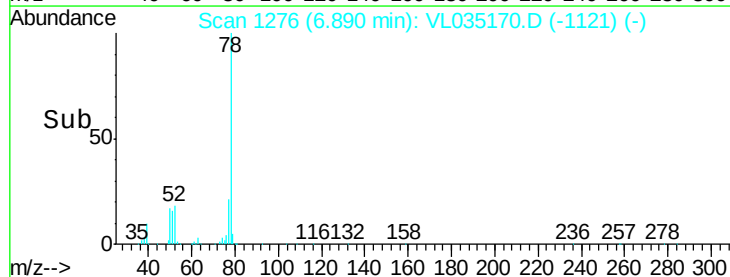
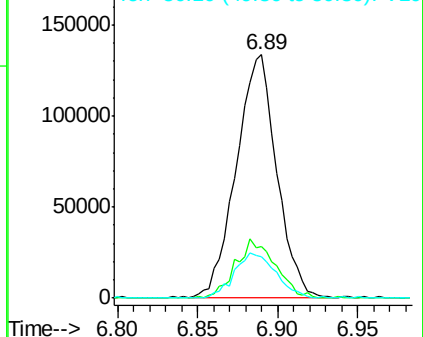
Lab File: VL035170.D

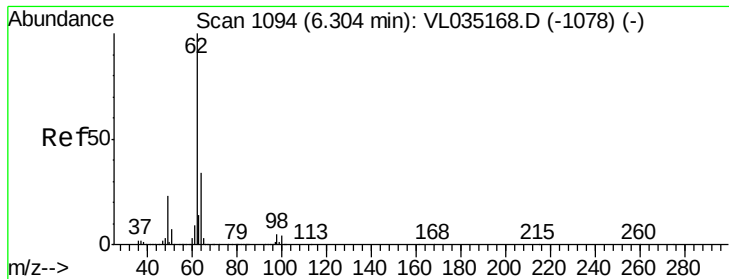
Acq: 8 Jul 2020 3:56

Tgt Ion:	78	Resp:	230668
Ion Ratio	Lower	Upper	
78	100		
77	20.9	19.3	28.9
50	16.9	16.0	24.0



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





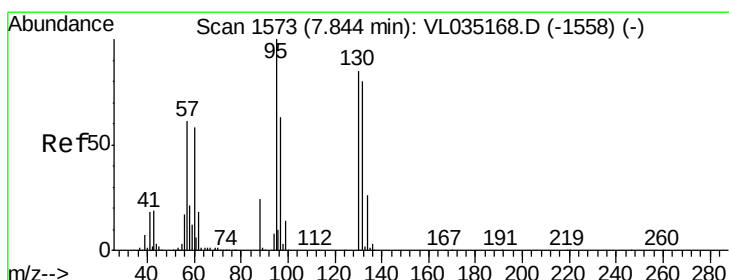
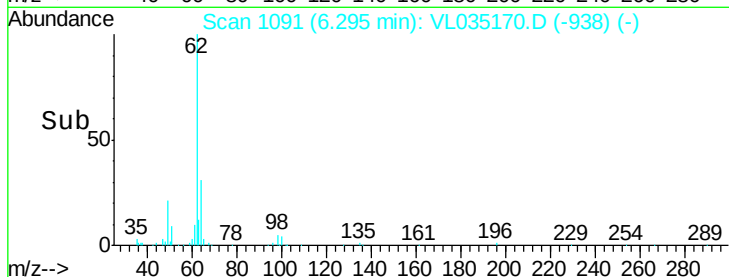
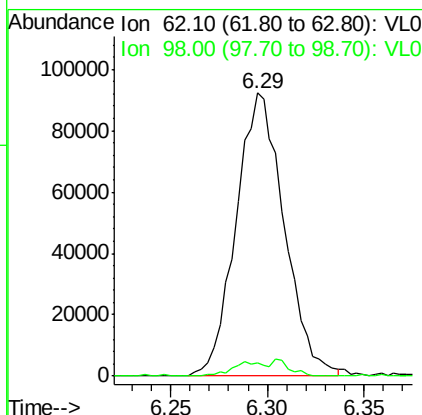
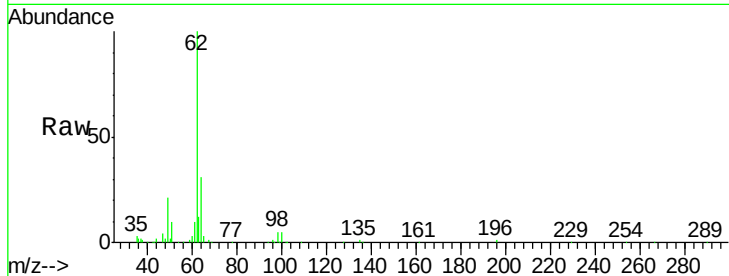
#37
 1,2-Dichloroethane
 Concen: 1.060 ppbv
 RT: 6.29 min Scan# 1091
 Delta R.T. -0.01 min
 Lab File: VL035170.D
 Acq: 8 Jul 2020 3:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
62	100		
98	5.5	4.6	6.8

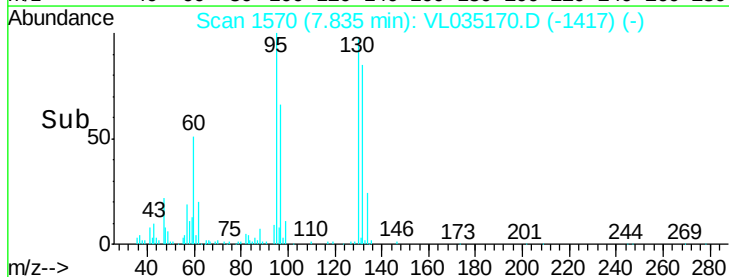
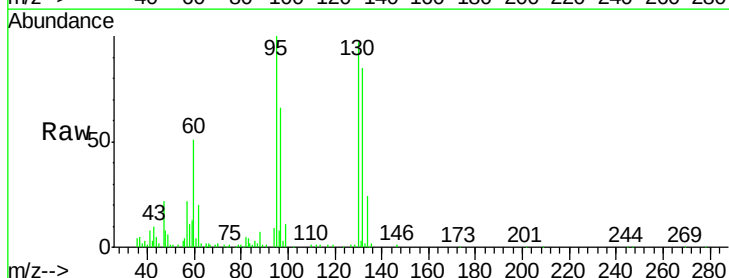
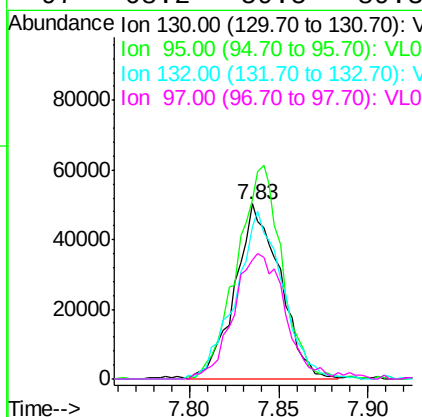
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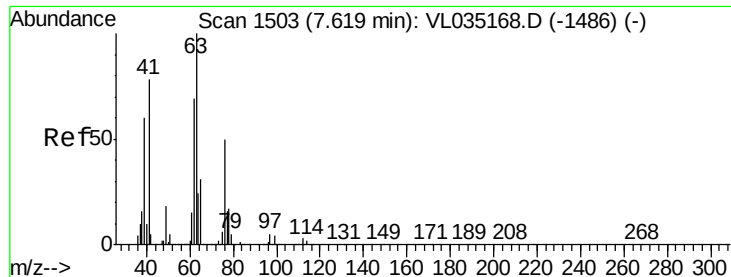
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#38
 Trichloroethene
 Concen: 0.956 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: VL035170.D
 Acq: 8 Jul 2020 3:56

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.2	93.8	140.8
132	88.5	75.0	112.4
97	68.2	59.5	89.3





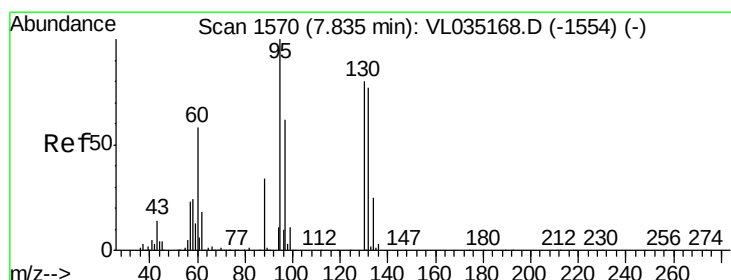
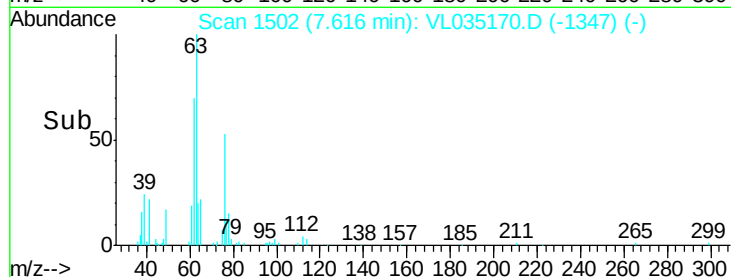
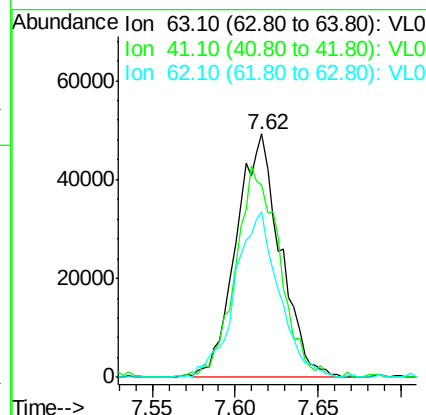
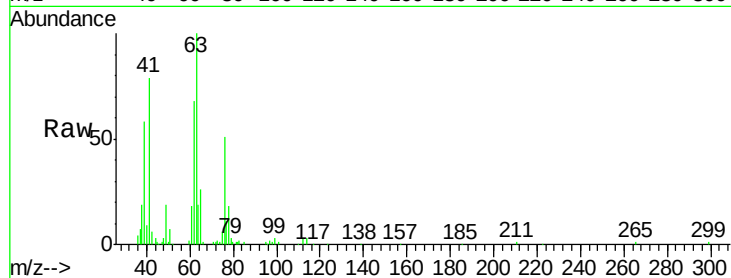
#39
 1,2-Dichloropropane
 Concen: 0.985 ppbv
 RT: 7.62 min Scan# 1502
 Delta R.T. -0.00 min
 Lab File: VL035170.D
 Acq: 8 Jul 2020 3:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
63	100		
41	79.0	62.6	94.0
62	67.9	55.0	82.6

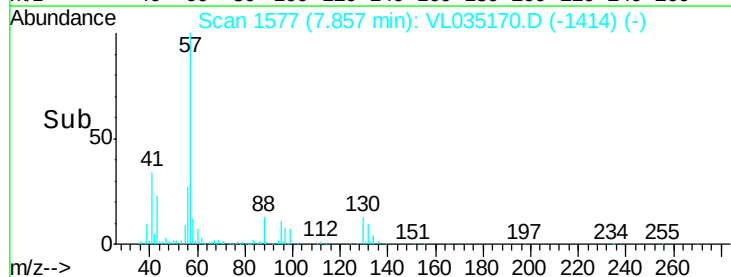
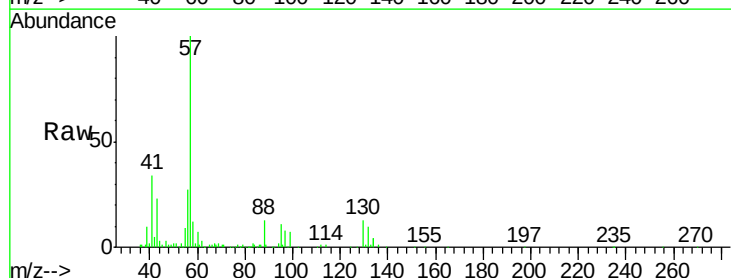
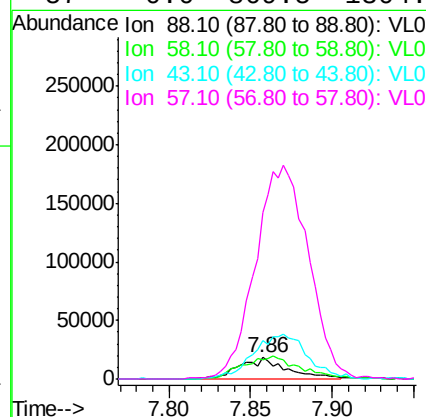
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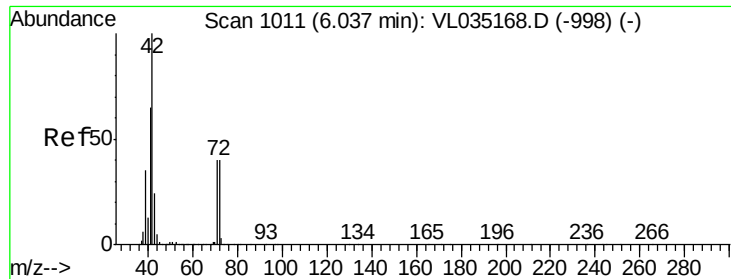
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#40
 1,4-Dioxane
 Concen: 0.991 ppbv m
 RT: 7.86 min Scan# 1577
 Delta R.T. 0.02 min
 Lab File: VL035170.D
 Acq: 8 Jul 2020 3:56

Tgt 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: 0.870 ppbv

RT: 6.05 min Scan# 1016

Delta R.T. 0.02 min

Lab File: VL035170.D

Acq: 8 Jul 2020 3:56

Instrument :

MSVOA_L

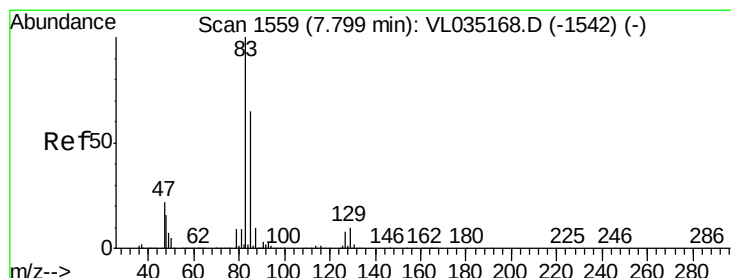
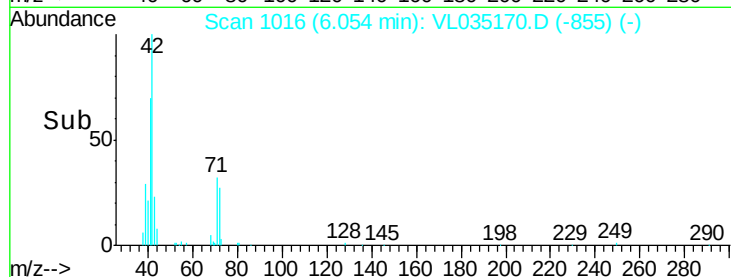
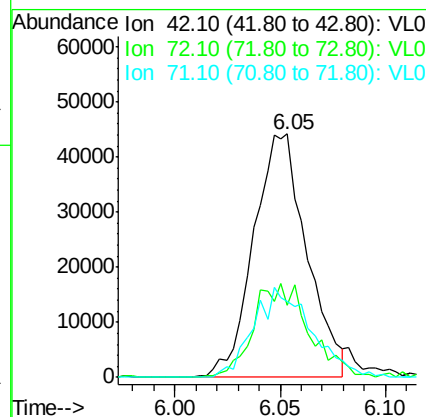
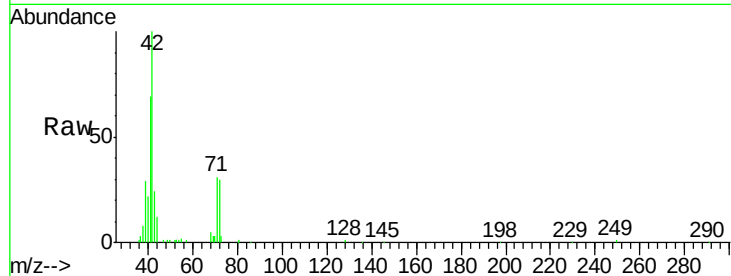
ClientSampleId :

VSTDIC001

Tot Ion:	42	Resp:	77542
Ion	Ratio	Lower	Upper
42	100		
72	41.2	33.4	50.2
71	40.5	31.9	47.9

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#42

Bromodichloromethane

Concen: 1.035 ppbv

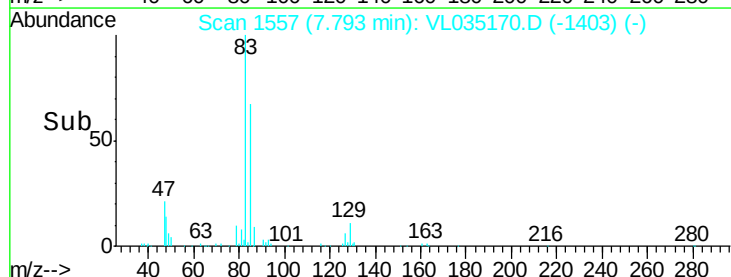
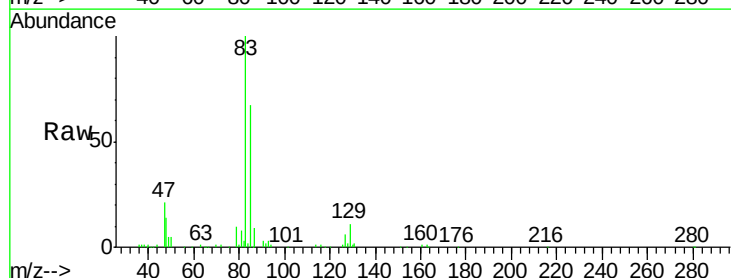
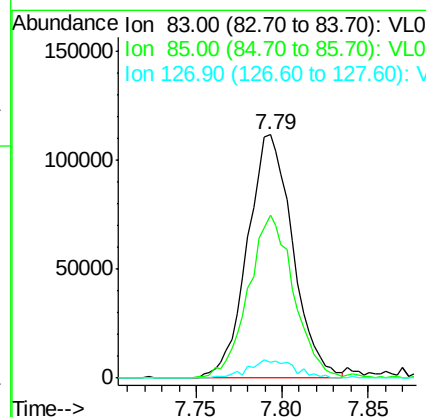
RT: 7.79 min Scan# 1557

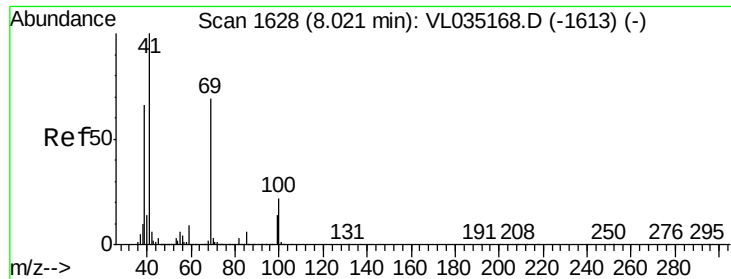
Delta R.T. -0.01 min

Lab File: VL035170.D

Acq: 8 Jul 2020 3:56

Tgt Ion:	83	Resp:	202709
Ion	Ratio	Lower	Upper
83	100		
85	67.1	52.2	78.4
127	6.5	6.3	9.5





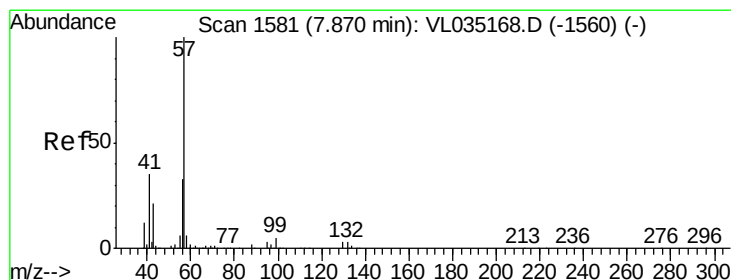
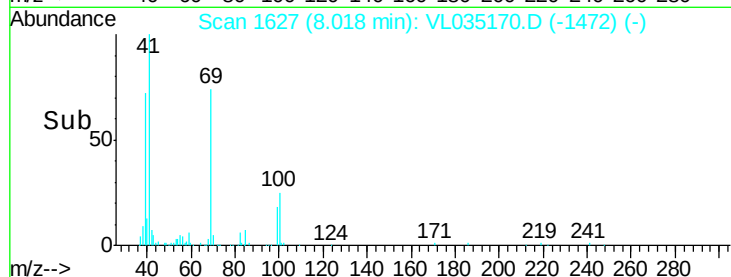
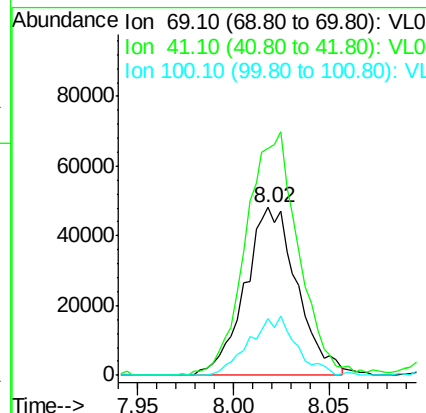
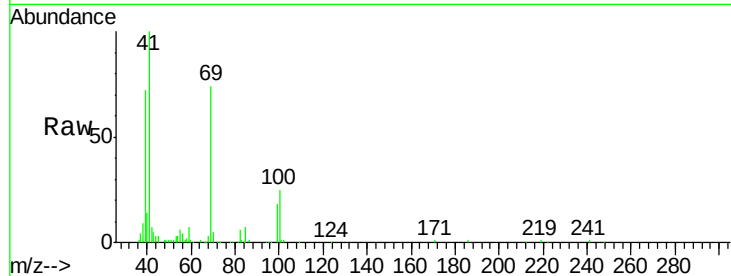
#43
Methvl Methacrylate
Concen: 0.910 ppbv m
RT: 8.02 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VL035170.D
Acq: 8 Jul 2020 3:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	0.0	116.3	174.5#	
100	0.0	25.6	38.4#	

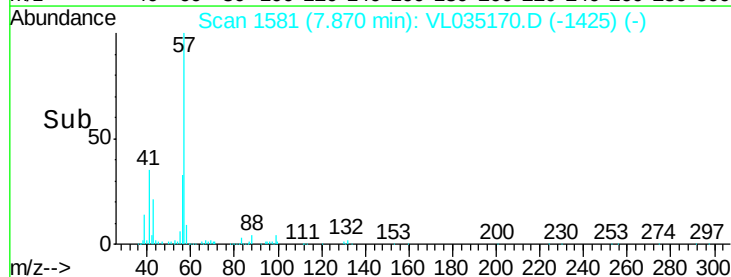
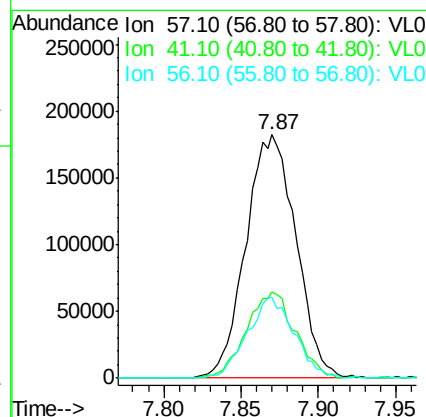
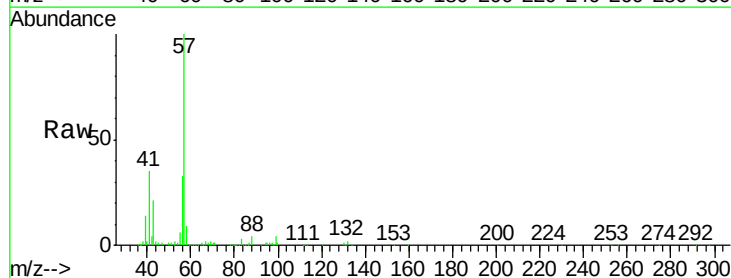
Manual Integrations
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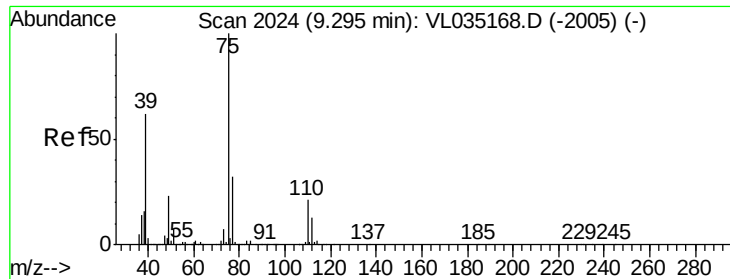
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 0.981 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VL035170.D
Acq: 8 Jul 2020 3:56

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	35.0	27.0	40.6	
56	31.7	25.5	38.3	





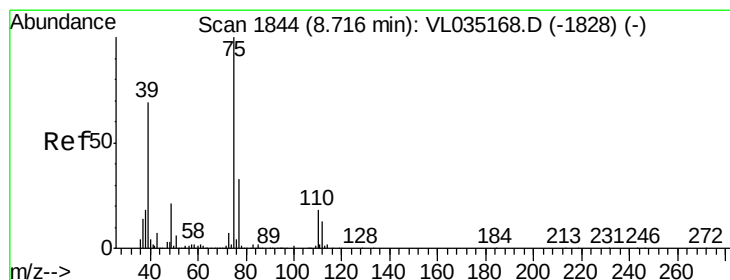
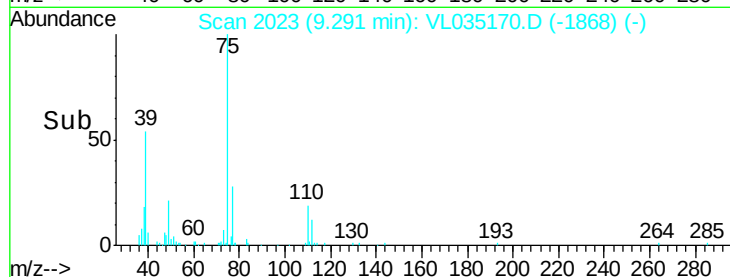
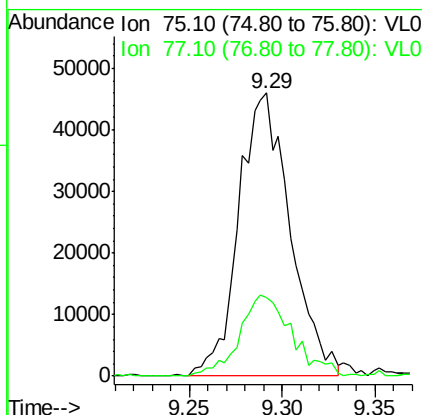
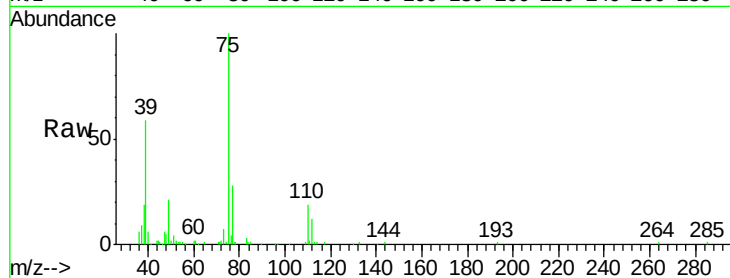
#45
t-1,3-Dichloropropene
Concen: 0.904 ppbv
RT: 9.29 min Scan# 2023
Delta R.T. -0.00 min
Lab File: VL035170.D
Acq: 8 Jul 2020 3:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 75 Resp: 88467
Ion Ratio Lower Upper
75 100
77 28.4 25.8 38.8

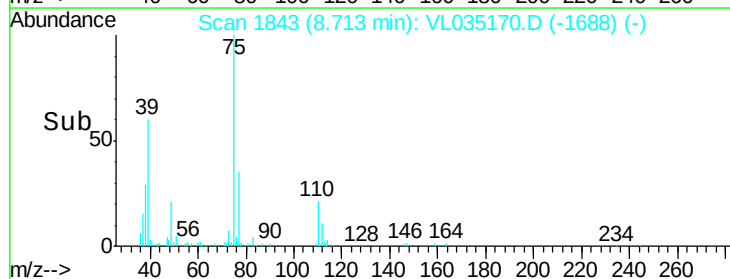
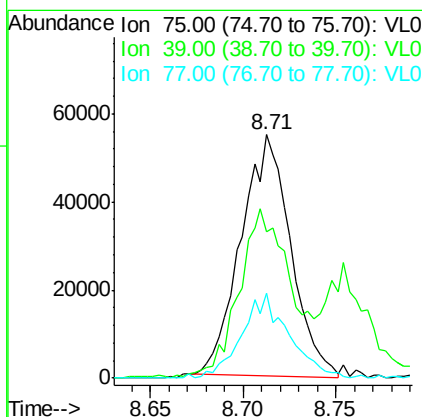
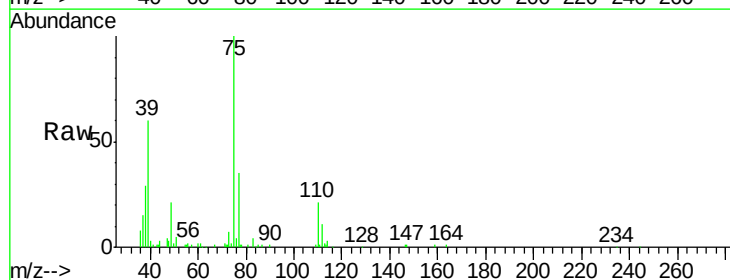
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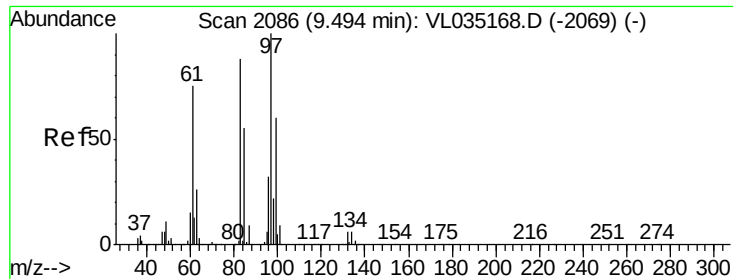
MMDadoda
7/9/2020 12:02:31 PM



#46
cis-1,3-Dichloropropene
Concen: 0.845 ppbv
RT: 8.71 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VL035170.D
Acq: 8 Jul 2020 3:56

Tgt Ion: 75 Resp: 102566
Ion Ratio Lower Upper
75 100
39 59.2 55.2 82.8
77 33.6 26.0 39.0





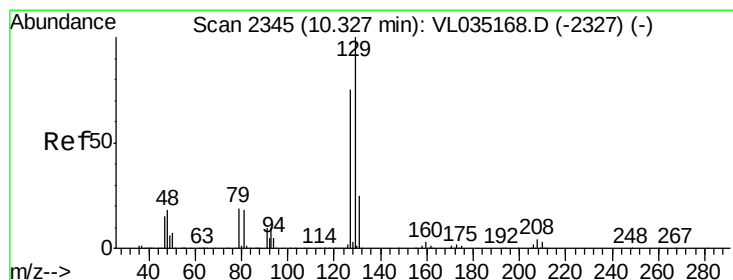
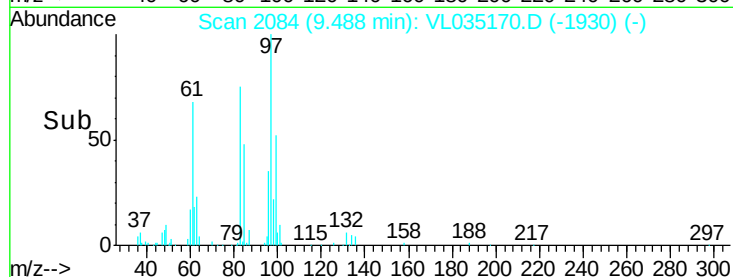
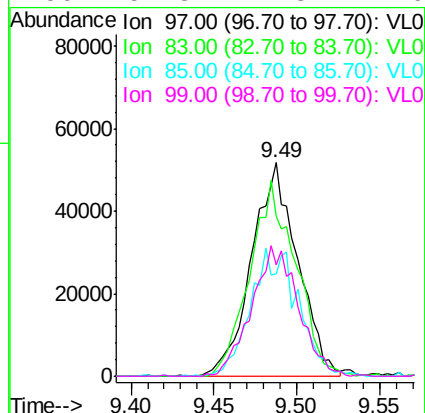
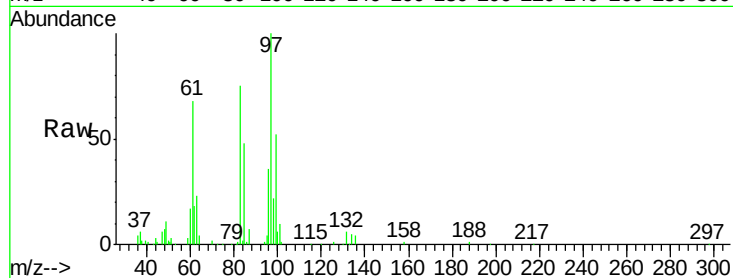
#47
 1,1,2-Trichloroethane
 Concen: 0.980 ppbv
 RT: 9.49 min Scan# 2084
 Delta R.T. -0.01 min
 Lab File: VL035170.D
 Acq: 8 Jul 2020 3:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	75.2	70.3	105.5	
85	48.1	44.3	66.5	
99	52.3	47.8	71.6	

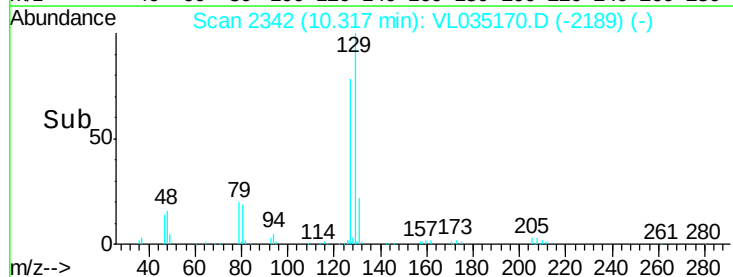
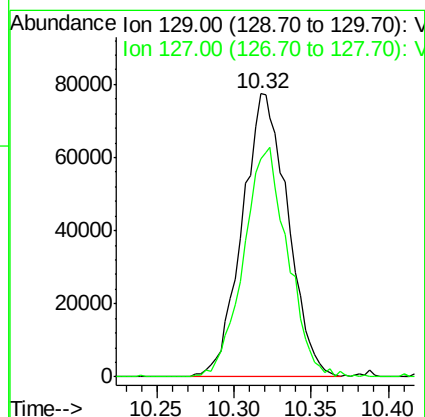
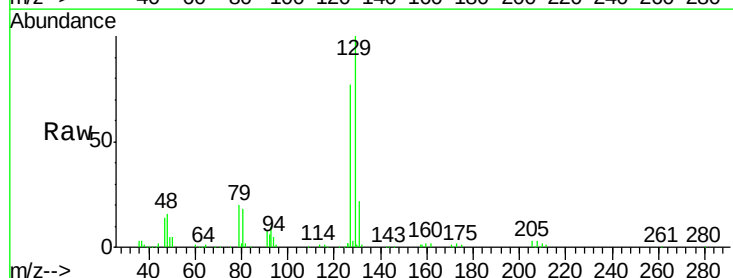
Manual Integrations
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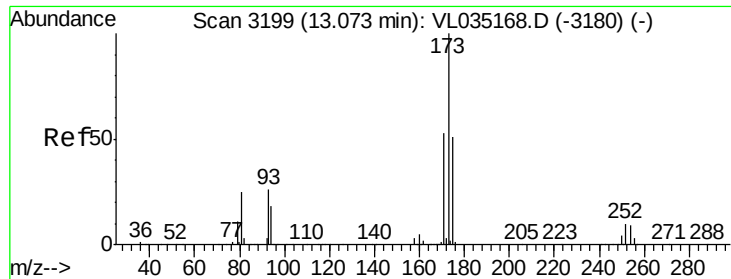
MMDadoda
 7/9/2020 12:02:31 PM



#48
 Dibromochloromethane
 Concen: 1.043 ppbv
 RT: 10.32 min Scan# 2342
 Delta R.T. -0.01 min
 Lab File: VL035170.D
 Acq: 8 Jul 2020 3:56

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.5	38.8	116.3	





#49

Bromoform

Concen: 1.059 ppbv m

RT: 13.07 min Scan# 3198

Delta R.T. -0.00 min

Lab File: VL035170.D

Acq: 8 Jul 2020 3:56

Instrument :

MSVOA_L

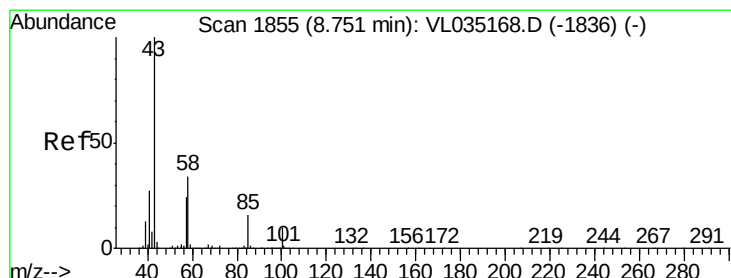
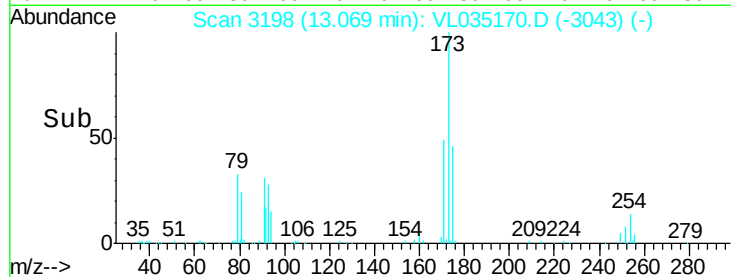
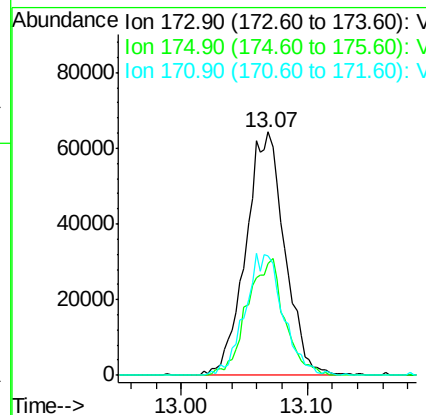
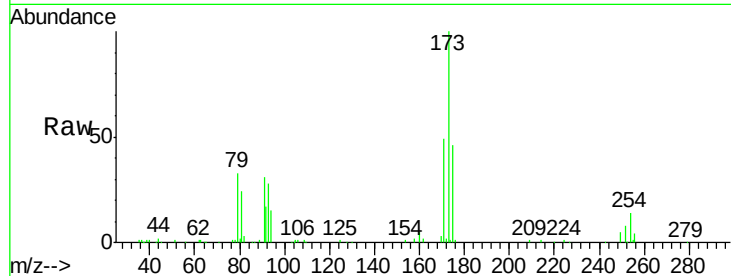
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
173	100		
175	0.0	39.7	59.5#
171	49.2	41.6	62.4

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#50

4-Methyl-2-Pentanone

Concen: 0.975 ppbv

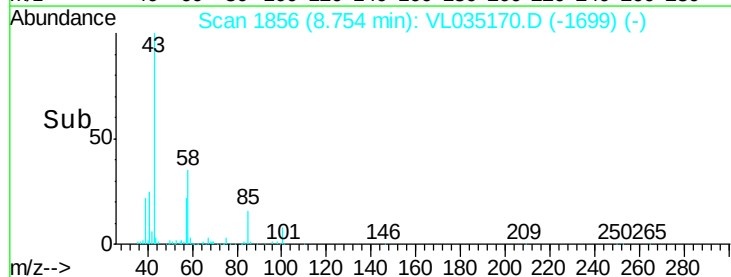
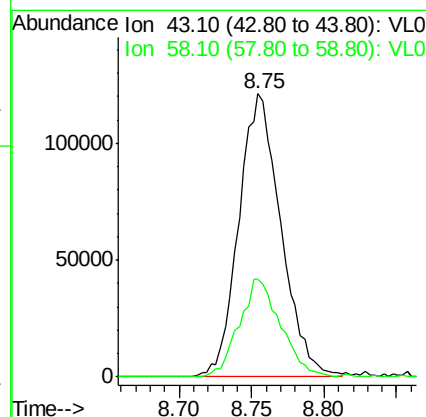
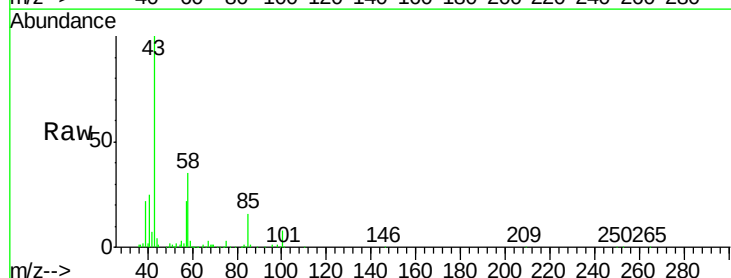
RT: 8.75 min Scan# 1856

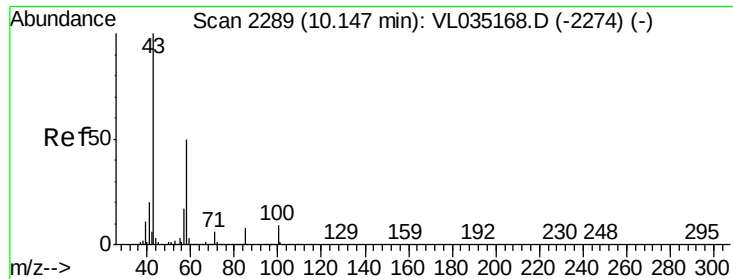
Delta R.T. 0.00 min

Lab File: VL035170.D

Acq: 8 Jul 2020 3:56

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.5	29.4	44.2





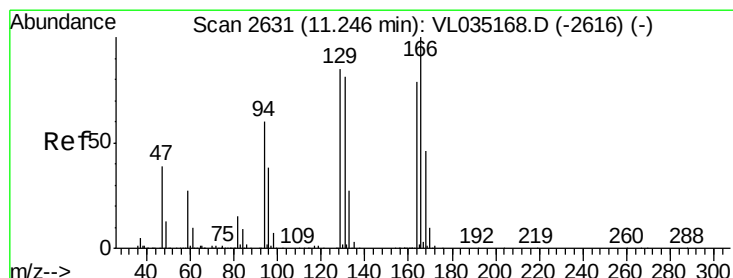
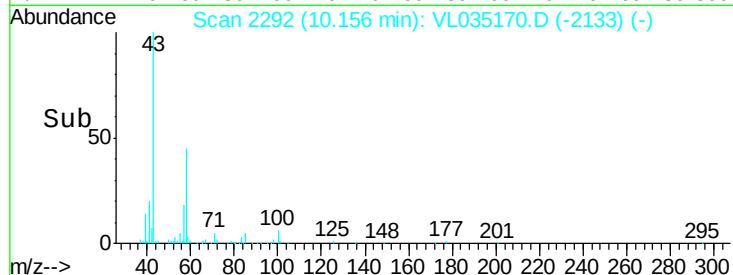
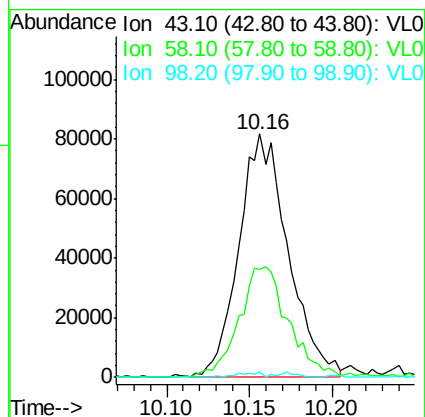
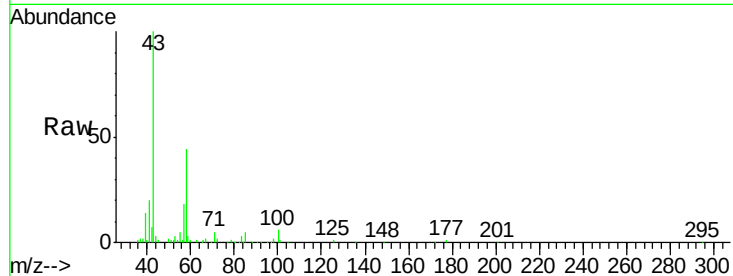
#51
2-Hexanone
Concen: 0.858 ppbv
RT: 10.16 min Scan# 2292
Delta R.T. 0.01 min
Lab File: VL035170.D
Acq: 8 Jul 2020 3:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
58	46.4	39.4	59.0
98	2.0	0.3	0.5#

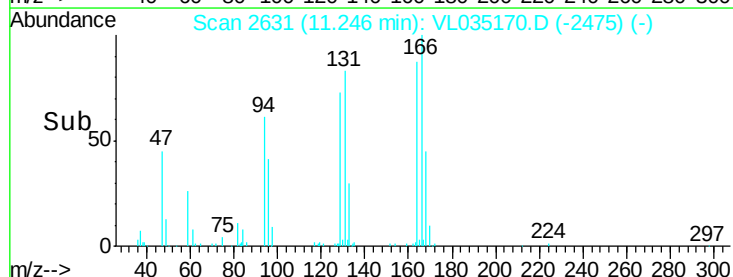
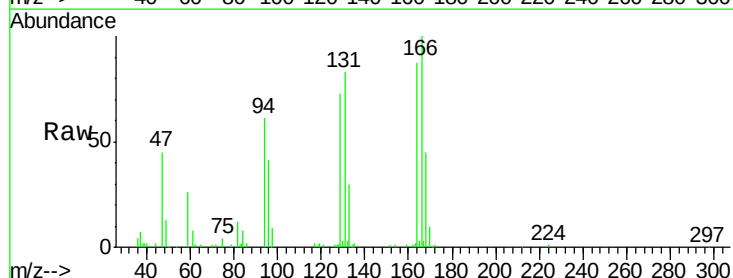
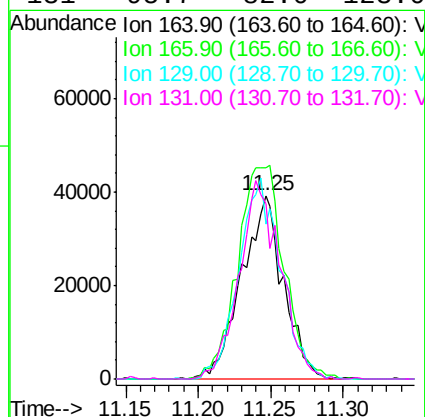
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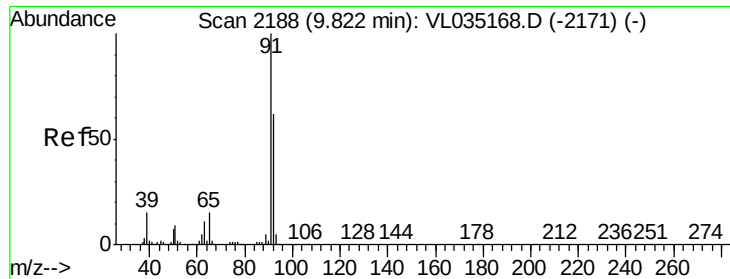
MMDadoda
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#52
Tetrachloroethene
Concen: 0.935 ppbv
RT: 11.25 min Scan# 2631
Delta R.T. 0.00 min
Lab File: VL035170.D
Acq: 8 Jul 2020 3:56

Tgt Ion	Ratio	Lower	Upper
164	100		
166	115.2	100.7	151.1
129	84.3	85.8	128.6#
131	95.7	82.0	123.0





#53

Toluene

Concen: 0.905 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. -0.00 min

Lab File: VL035170.D

Acq: 8 Jul 2020 3:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 229227

Ion Ratio Lower Upper

91 100

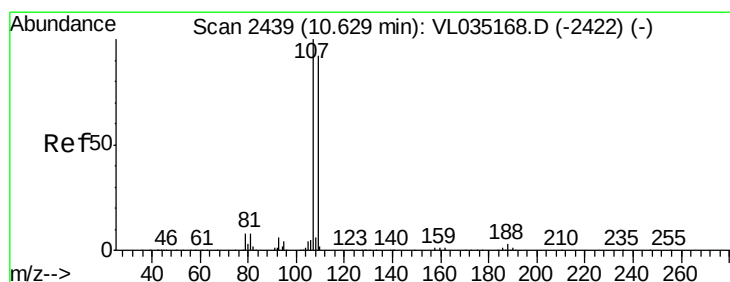
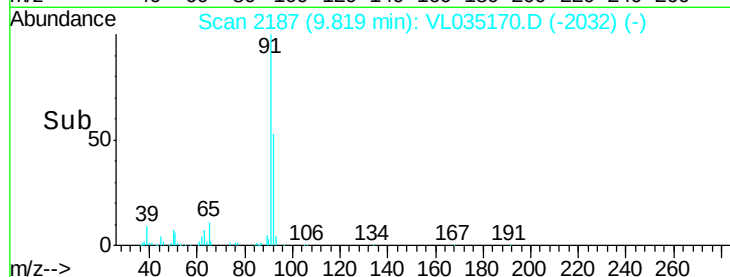
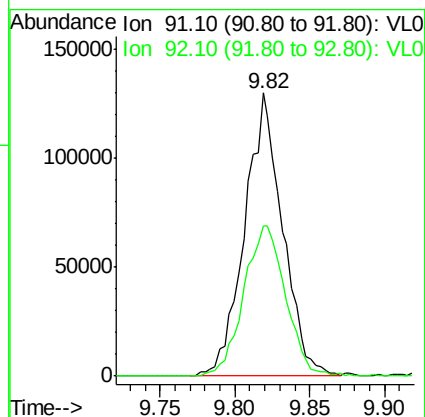
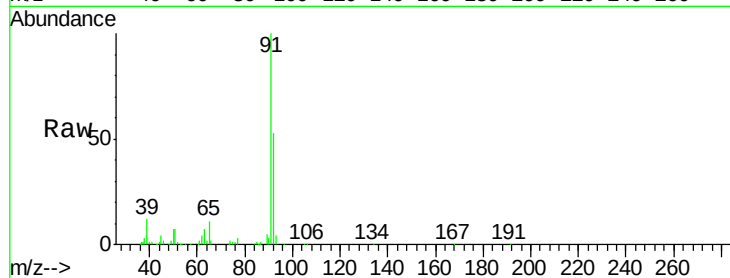
92 58.9 48.4 72.6

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#54

1,2-Dibromoethane

Concen: 0.978 ppbv m

RT: 10.63 min Scan# 2438

Delta R.T. -0.00 min

Lab File: VL035170.D

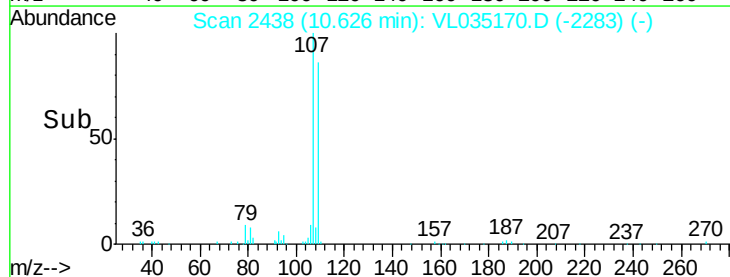
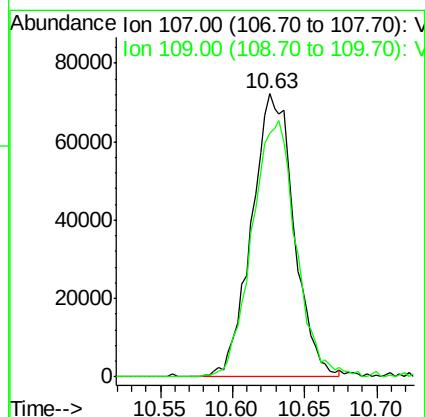
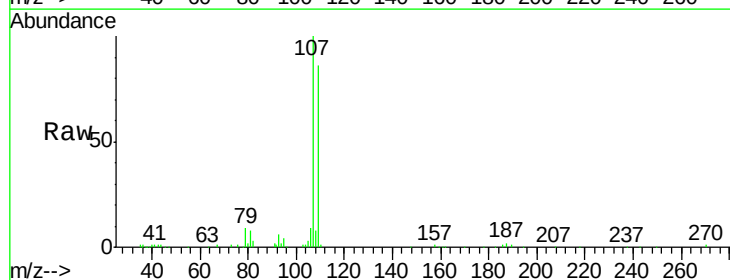
Acq: 8 Jul 2020 3:56

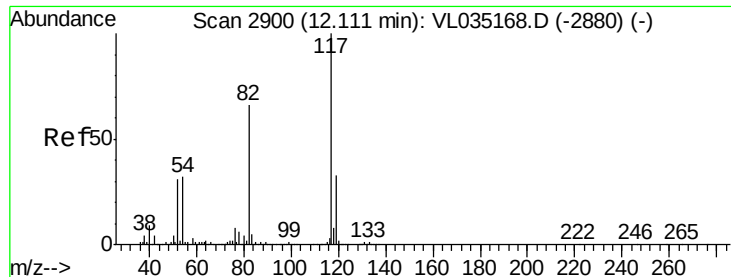
Tgt Ion: 107 Resp: 147412

Ion Ratio Lower Upper

107 100

109 86.2 74.0 111.0





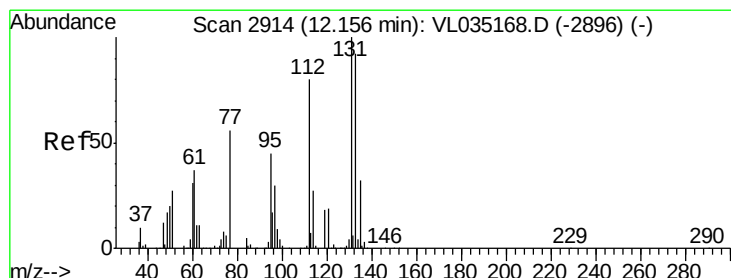
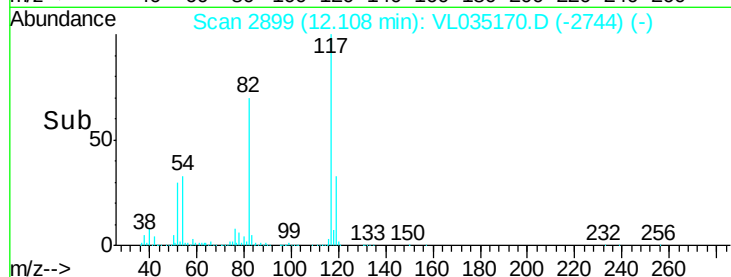
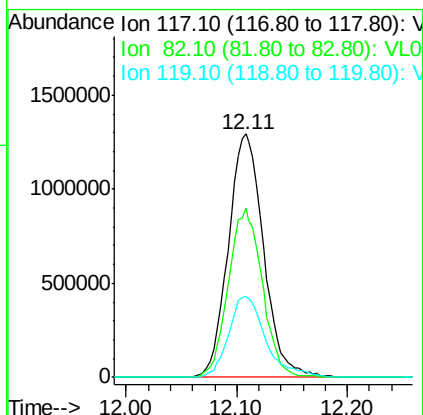
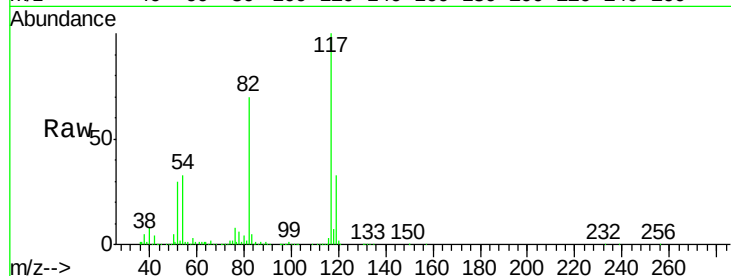
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VL035170.D
Acq: 8 Jul 2020 3:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
82	66.8	52.3	78.5
119	35.1	24.9	37.3

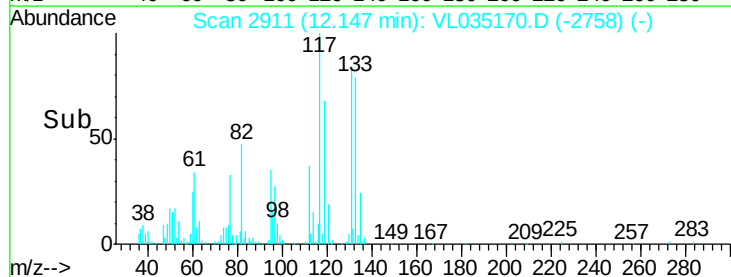
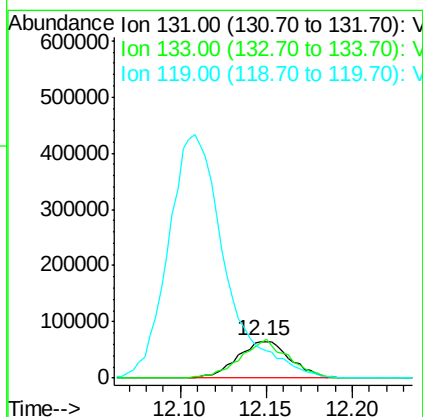
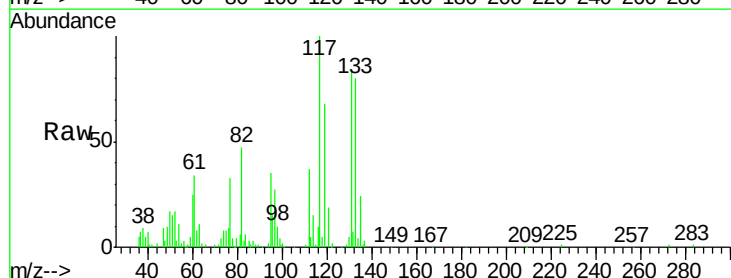
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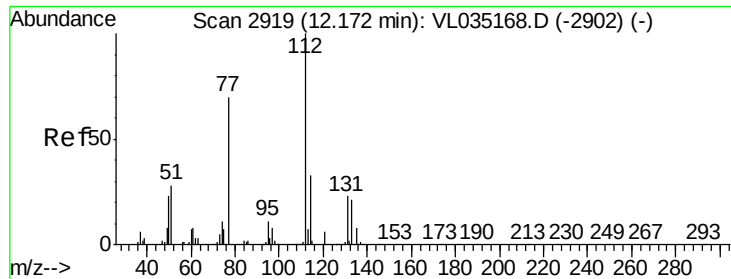
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 1.176 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. -0.01 min
Lab File: VL035170.D
Acq: 8 Jul 2020 3:56

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.1	75.4	113.2
119	720.0	42.4	63.6#





#57

Chlorobenzene

Concen: 1.063 ppbv

RT: 12.17 min Scan# 2917

Delta R.T. -0.01 min

Lab File: VL035170.D

Acq: 8 Jul 2020 3:56

Instrument :

MSVOA_L

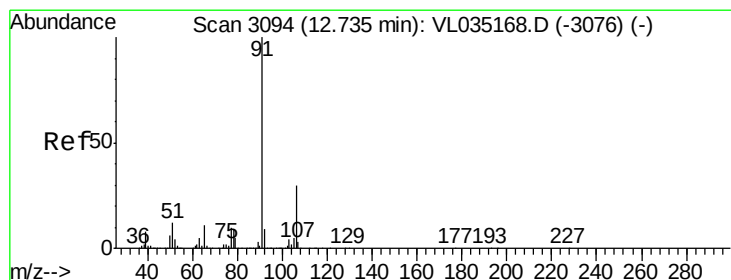
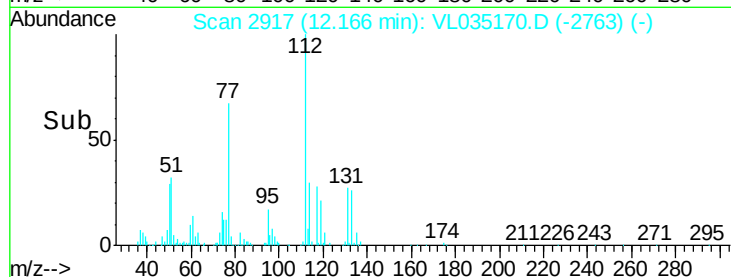
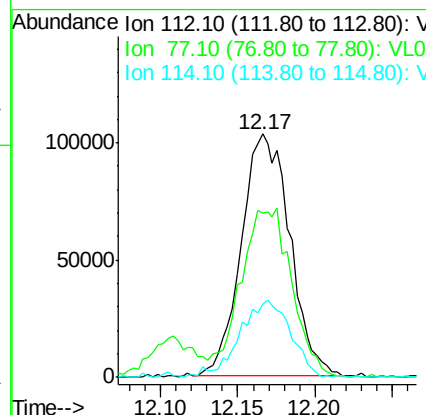
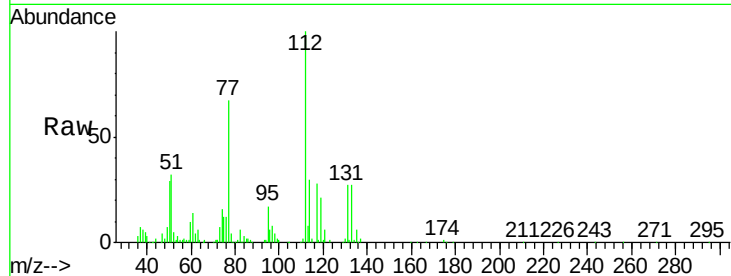
ClientSampleId :

VSTDIC001

Tot Ion:	112	Resp:	224597
Ion Ratio	Lower	Upper	
112	100		
77	67.0	57.0	85.4
114	29.5	30.2	37.0#

Manual Integrations
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#58

Ethyl Benzene

Concen: 1.003 ppbv

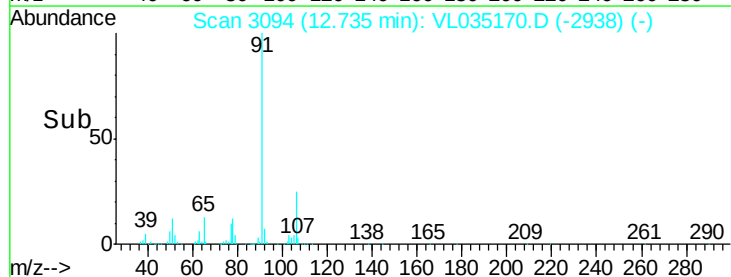
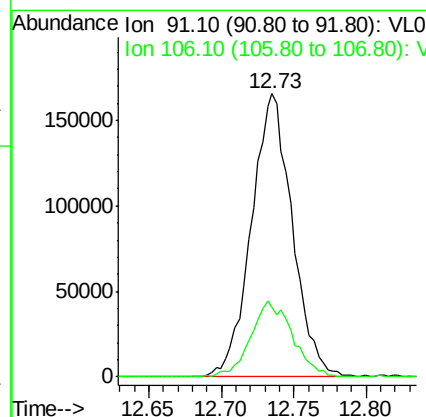
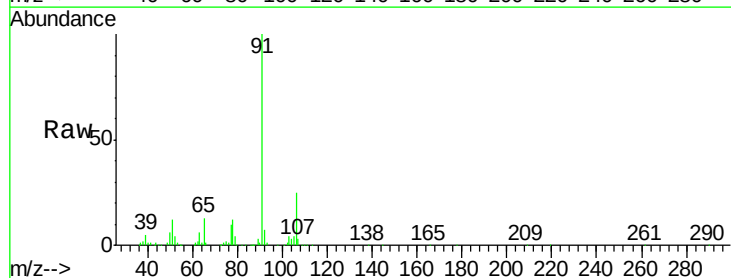
RT: 12.73 min Scan# 3094

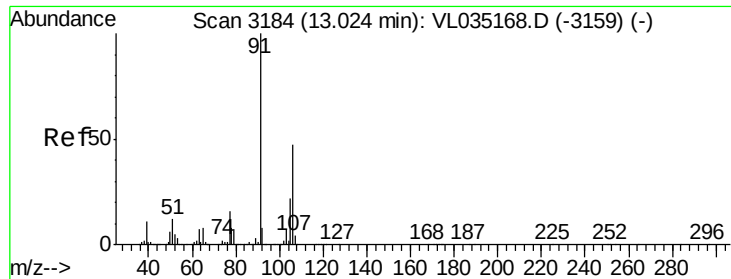
Delta R.T. 0.00 min

Lab File: VL035170.D

Acq: 8 Jul 2020 3:56

Tgt Ion:	91	Resp:	324465
Ion Ratio	Lower	Upper	
91	100		
106	24.7	24.2	36.2





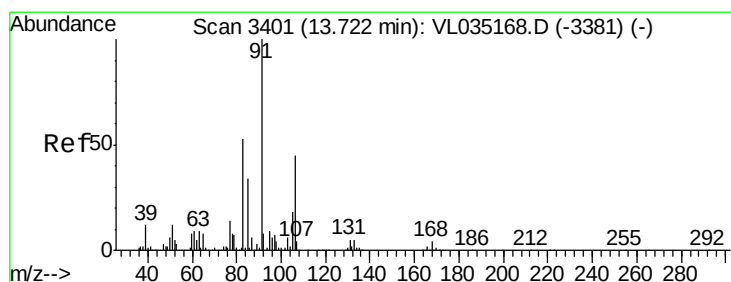
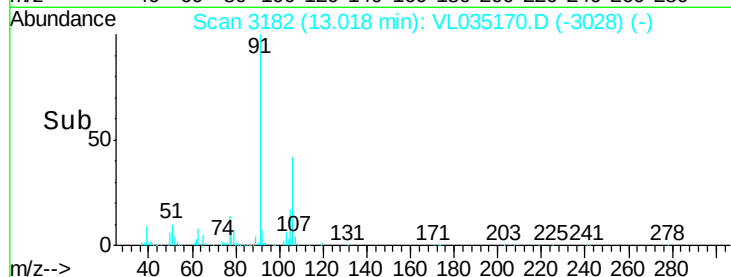
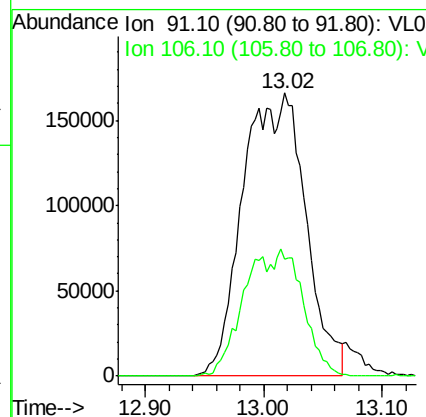
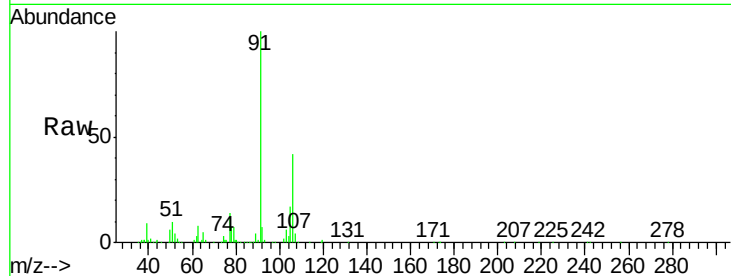
#59
m/p-Xylene
Concen: 2.144 ppbv m
RT: 13.02 min Scan# 3182
Delta R.T. -0.01 min
Lab File: VL035170.D
Acq: 8 Jul 2020 3:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	91	Resp	614397
Ion Ratio	100	Lower	Upper
91	100		
106	42.1	36.2	54.2

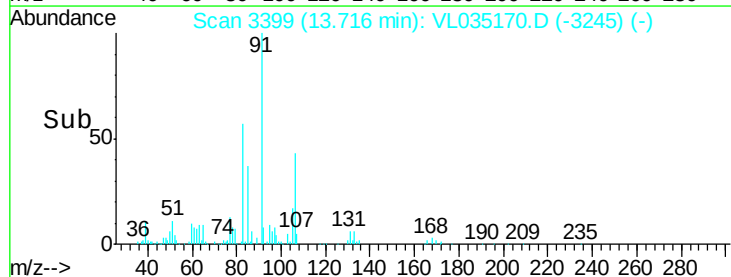
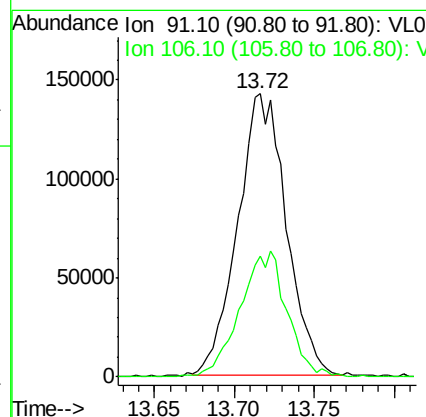
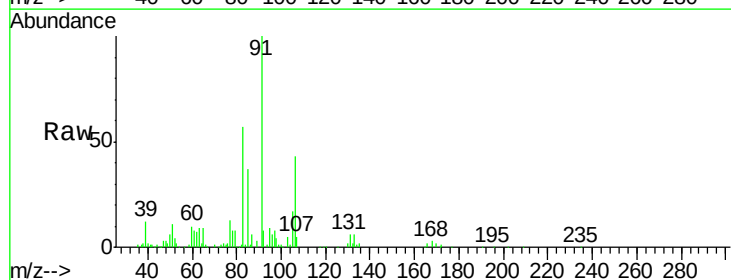
Manual Integrations
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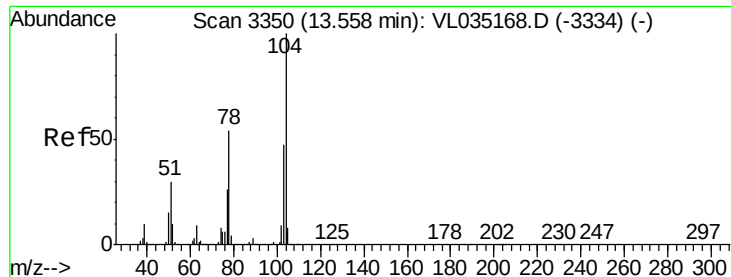
MMDadoda
7/9/2020 12:02:31 PM



#60
o-Xylene
Concen: 1.029 ppbv
RT: 13.72 min Scan# 3399
Delta R.T. -0.01 min
Lab File: VL035170.D
Acq: 8 Jul 2020 3:56

Tgt Ion	91	Resp	294342
Ion Ratio	100	Lower	Upper
91	100		
106	43.5	22.1	66.3





#61

Stvrene

Concen: 0.887 ppbv

RT: 13.55 min Scan# 3349

Delta R.T. -0.00 min

Lab File: VL035170.D

Acq: 8 Jul 2020 3:56

Instrument :

MSVOA_L

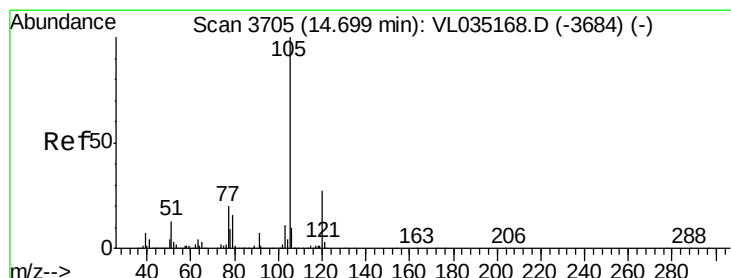
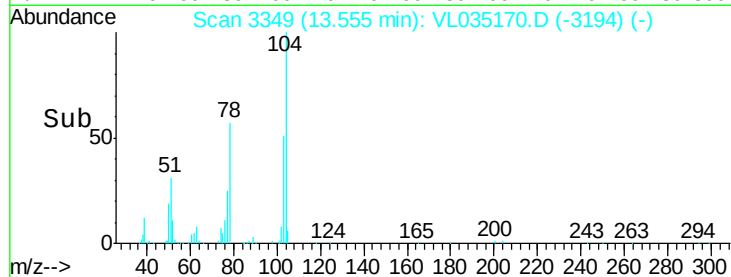
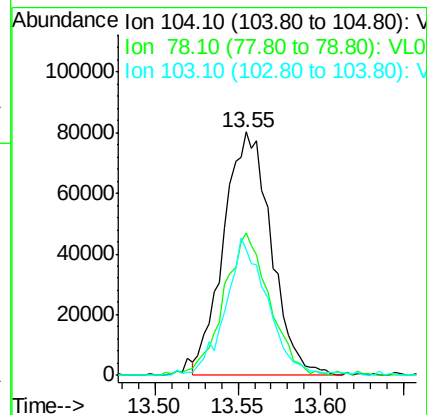
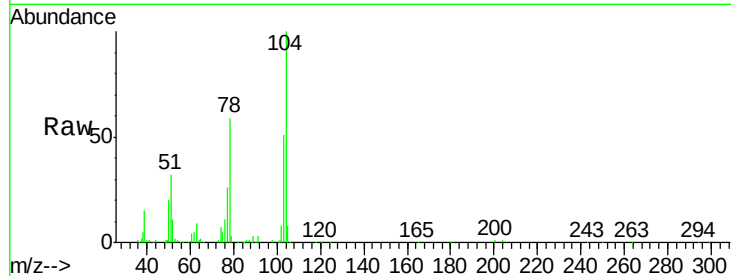
ClientSampleId :

VSTDIC001

Tot Ion:	104	Resp:	159717
Ion Ratio	Lower	Upper	
104	100		
78	56.5	43.4	65.0
103	50.3	37.4	56.0

Manual Integrations
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#62

Isopropylbenzene

Concen: 1.032 ppbv

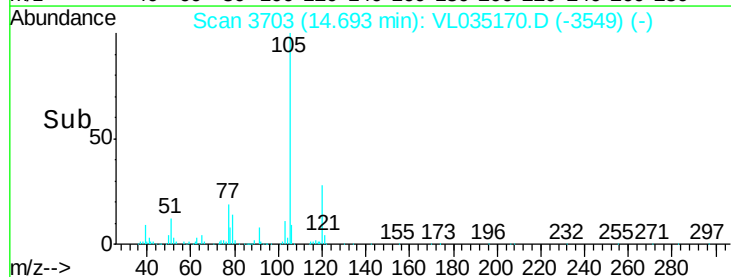
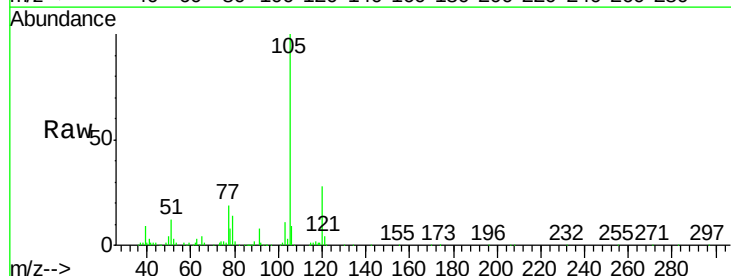
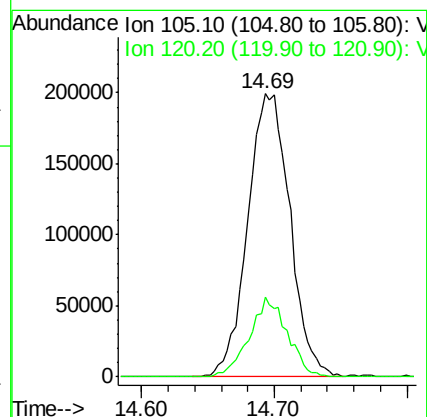
RT: 14.69 min Scan# 3703

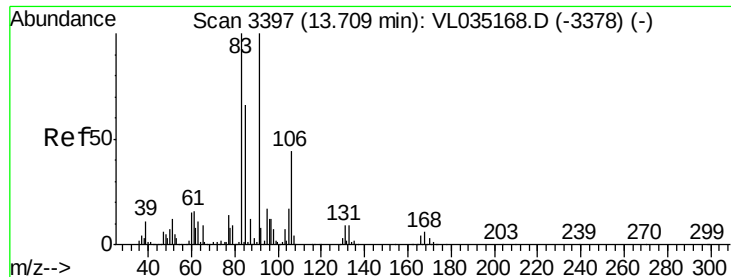
Delta R.T. -0.01 min

Lab File: VL035170.D

Acq: 8 Jul 2020 3:56

Tgt Ion:	105	Resp:	440737
Ion Ratio	Lower	Upper	
105	100		
120	25.2	20.7	31.1





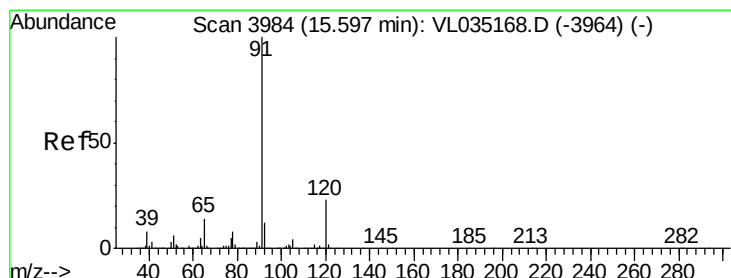
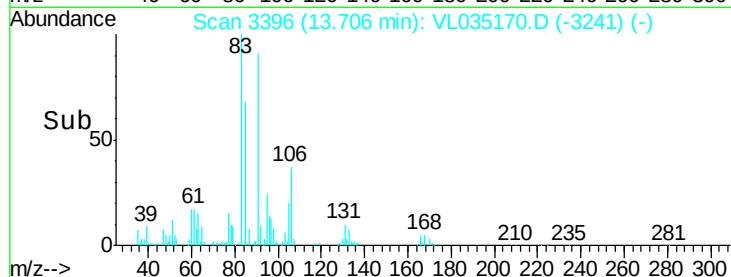
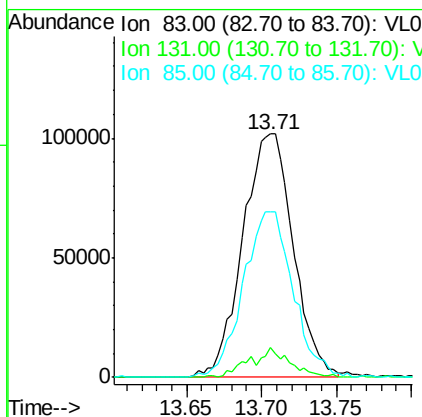
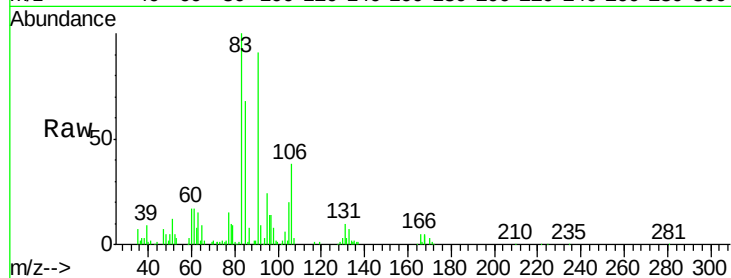
#63
 1,1,2,2-Tetrachloroethane
 Concen: 1.024 ppbv
 RT: 13.71 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VL035170.D
 Acq: 8 Jul 2020 3:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.7	14.0
85	68.0	33.0	99.0

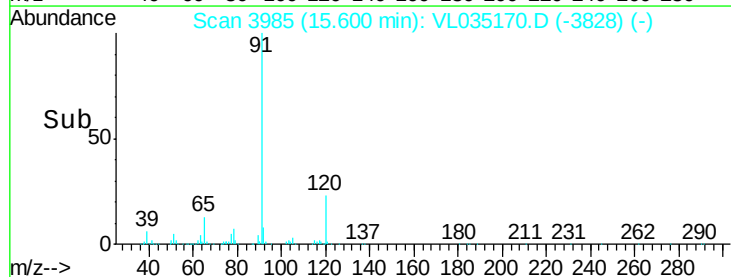
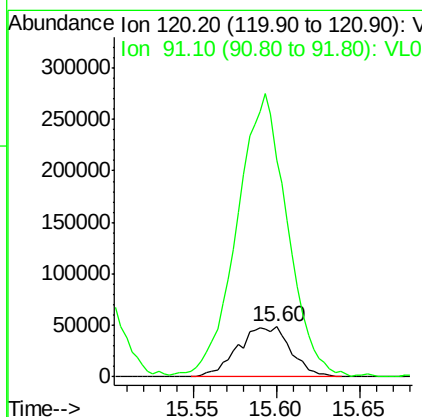
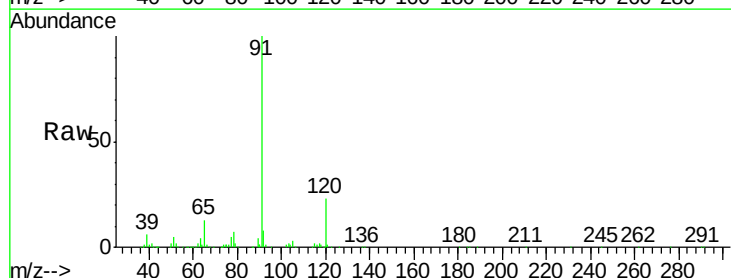
Manual Integrations
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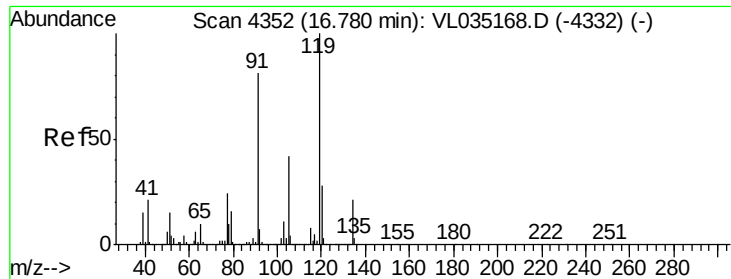
MMDadoda
 7/9/2020 12:02:31 PM



#64
 n-propylbenzene
 Concen: 0.991 ppbv m
 RT: 15.60 min Scan# 3985
 Delta R.T. 0.00 min
 Lab File: VL035170.D
 Acq: 8 Jul 2020 3:56

Tgt Ion	Ratio	Lower	Upper
120	100		
91	531.9	372.4	558.6





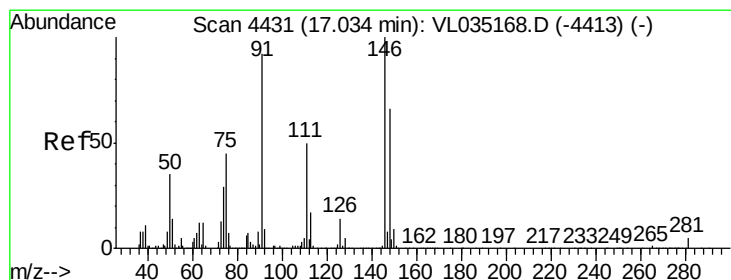
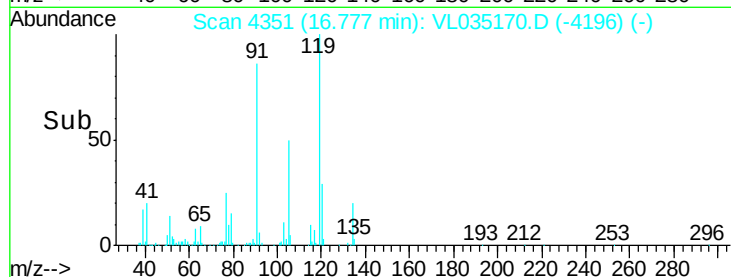
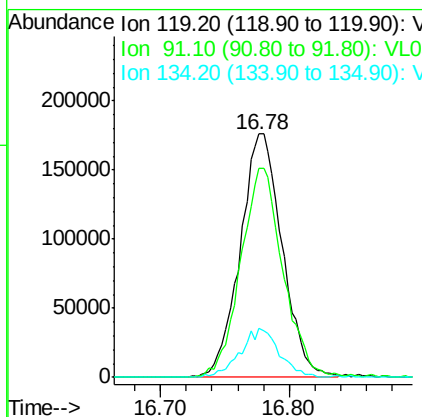
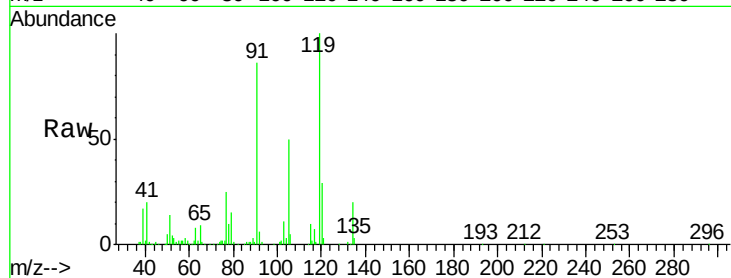
#65
tert-Butylbenzene
Concen: 1.083 ppbv
RT: 16.78 min Scan# 4351
Delta R.T. -0.00 min
Lab File: VL035170.D
Acq: 8 Jul 2020 3:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
119	100	398909		
91	86.7	67.5	101.3	
134	18.8	16.0	24.0	

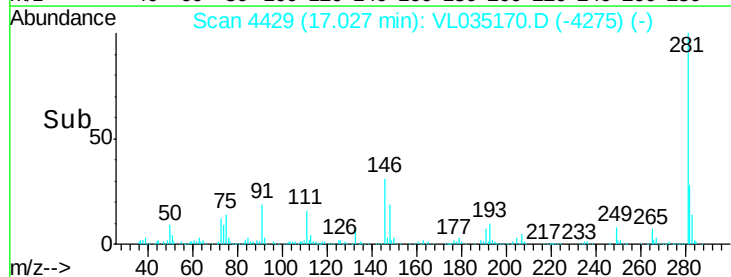
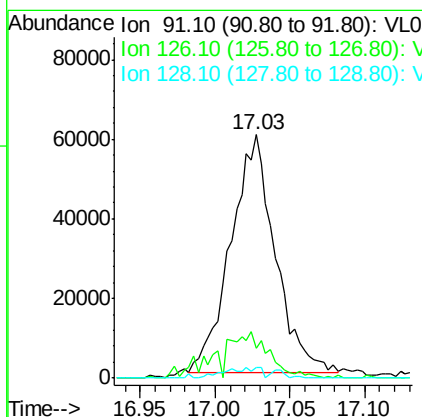
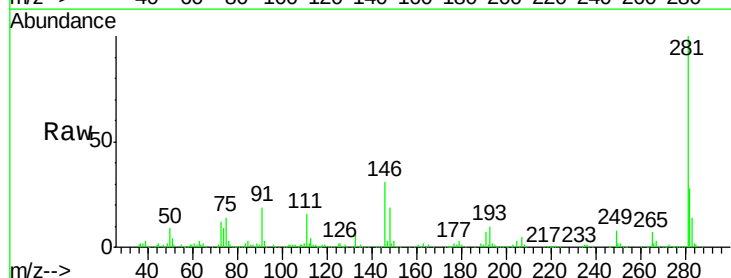
Manual Integrations
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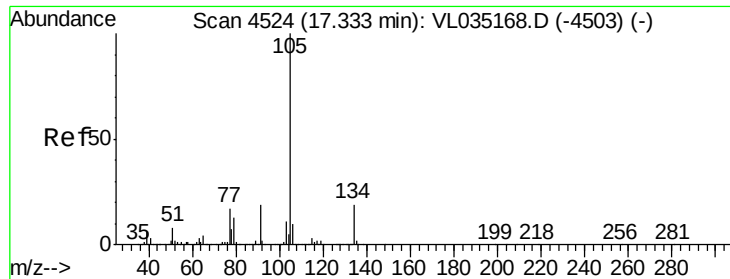
MMDadoda
7/9/2020 12:02:31 PM



#66
Benzyl Chloride
Concen: 1.057 ppbv
RT: 17.03 min Scan# 4429
Delta R.T. -0.01 min
Lab File: VL035170.D
Acq: 8 Jul 2020 3:56

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	122827		
126	23.0	13.9	20.9	
128	4.9	4.2	6.4	





#67

sec-Butylbenzene

Concen: 1.138 ppbv

RT: 17.33 min Scan# 4522

Delta R.T. -0.01 min

Lab File: VL035170.D

Acq: 8 Jul 2020 3:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 105 Resp: 601798

Ion Ratio Lower Upper

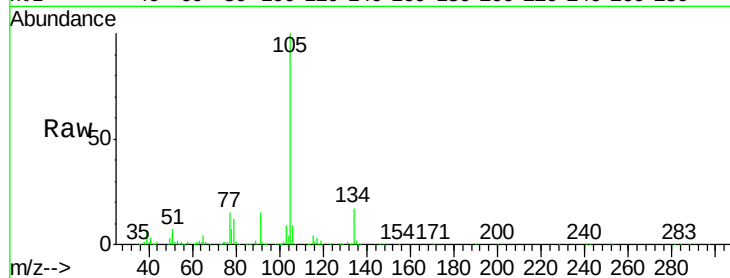
105 100

134 17.8 14.6 21.8

Manual Integrations
APPROVED

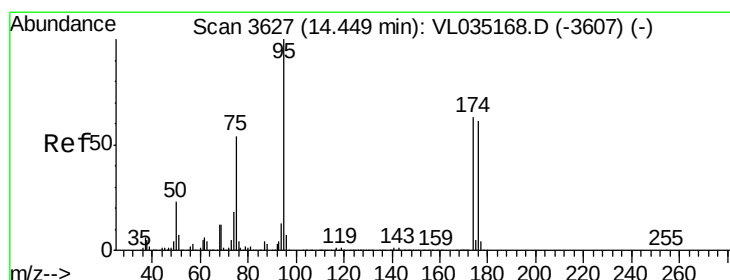
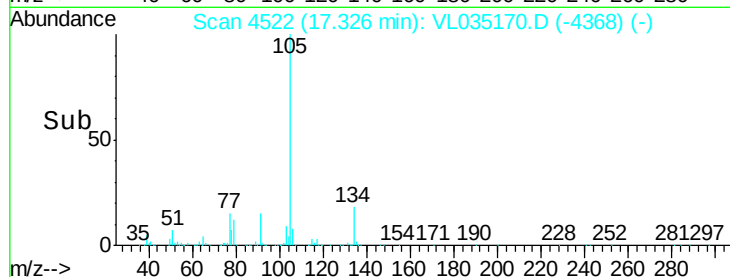
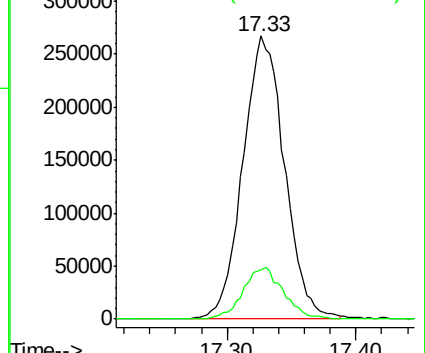
MMDadoda

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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: 9.825 ppbv

RT: 14.45 min Scan# 3626

Delta R.T. -0.00 min

Lab File: VL035170.D

Acq: 8 Jul 2020 3:56

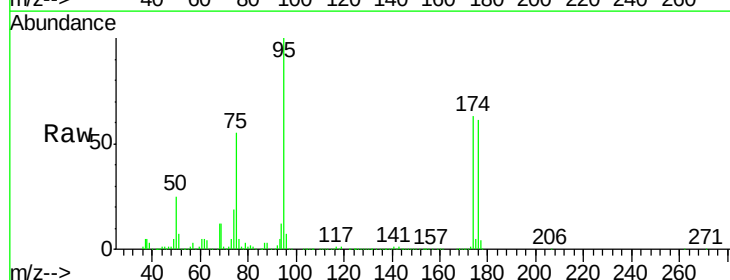
Tgt Ion: 95 Resp: 2337461

Ion Ratio Lower Upper

95 100

174 64.9 52.2 78.2

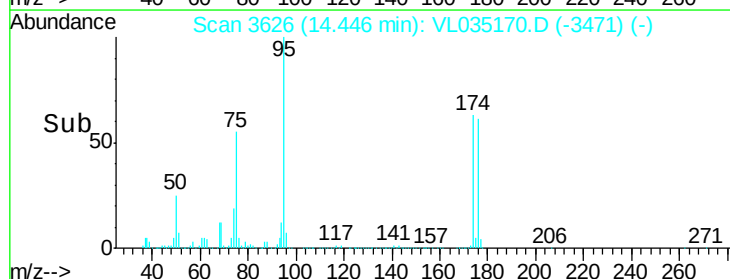
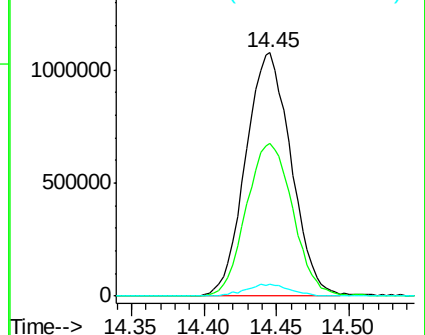
175 4.9 4.0 6.0

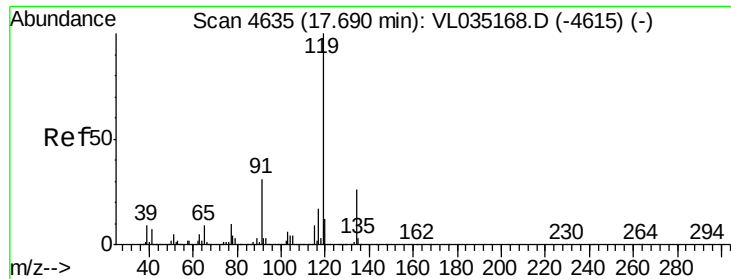


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





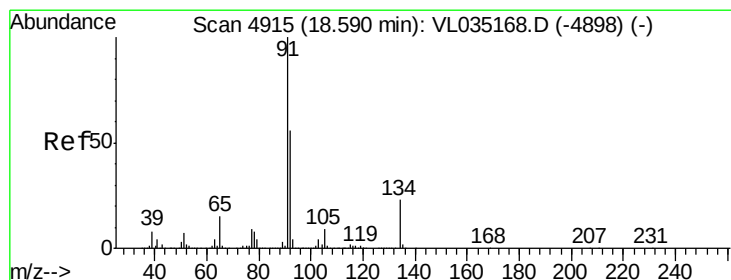
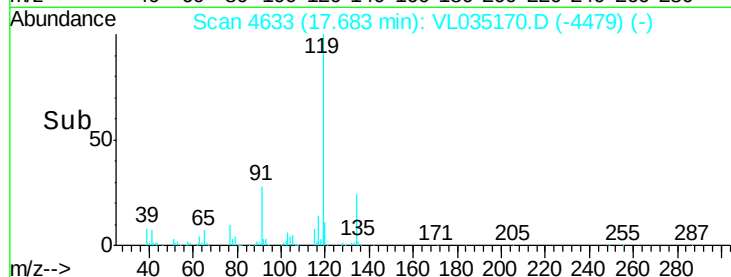
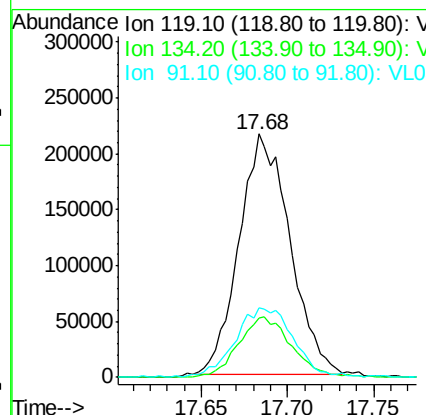
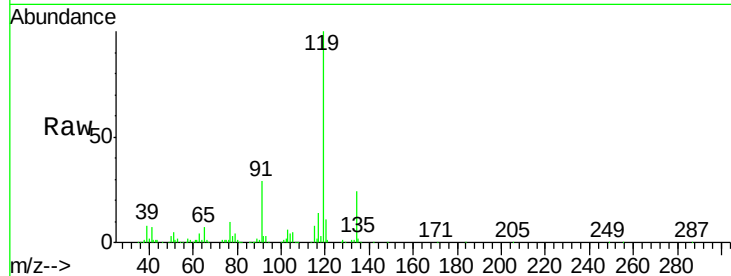
#69
 p-Isopropyltoluene
 Concen: 1.044 ppbv
 RT: 17.68 min Scan# 4633
 Delta R.T. -0.01 min
 Lab File: VL035170.D
 Acq: 8 Jul 2020 3:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
119	100	440405		
134	26.4	20.8	31.2	
91	33.9	24.9	37.3	

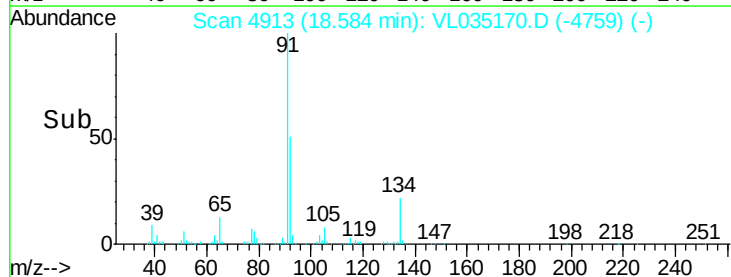
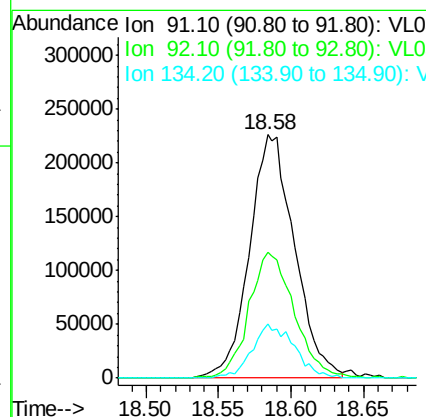
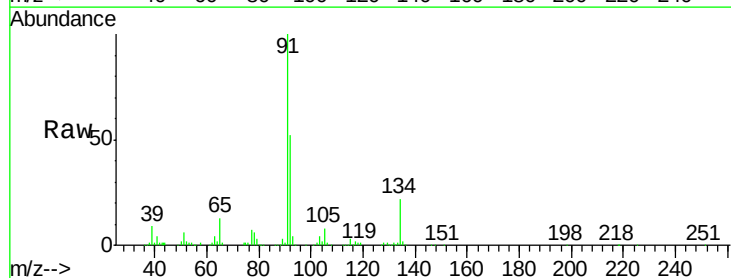
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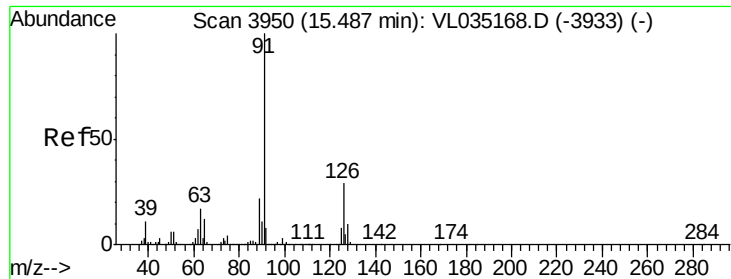
MMDadoda
 7/9/2020 12:02:31 PM



#70
 n-Butylbenzene
 Concen: 1.071 ppbv
 RT: 18.58 min Scan# 4913
 Delta R.T. -0.01 min
 Lab File: VL035170.D
 Acq: 8 Jul 2020 3:56

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	487499		
92	52.3	44.0	66.0	
134	21.1	18.0	27.0	





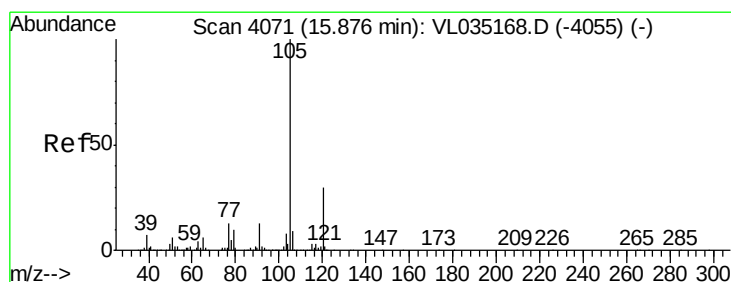
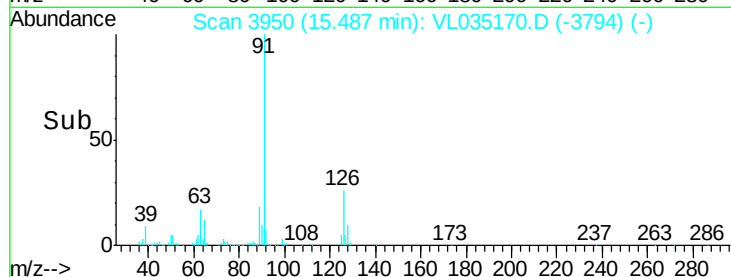
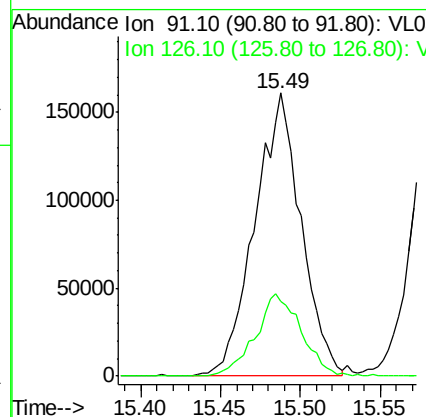
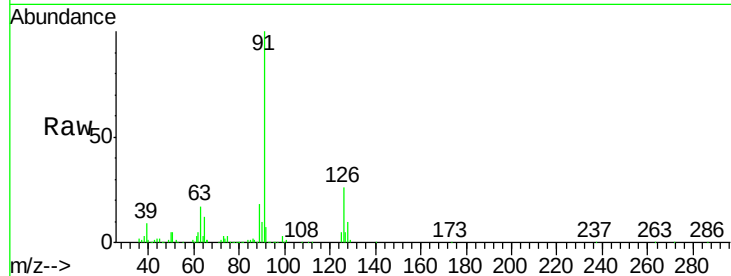
#71
 2-Chlorotoluene
 Concen: 0.995 ppbv
 RT: 15.49 min Scan# 3950
 Delta R.T. 0.00 min
 Lab File: VL035170.D
 Acq: 8 Jul 2020 3:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
91	100		
126	28.9	12.0	48.0

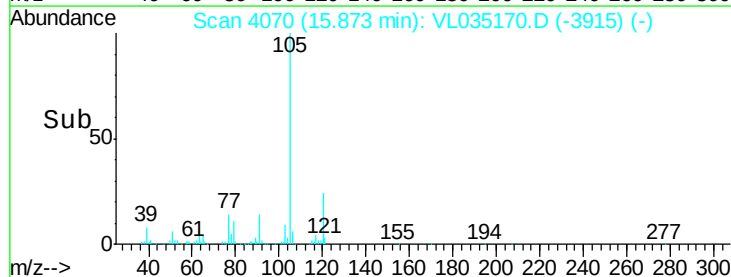
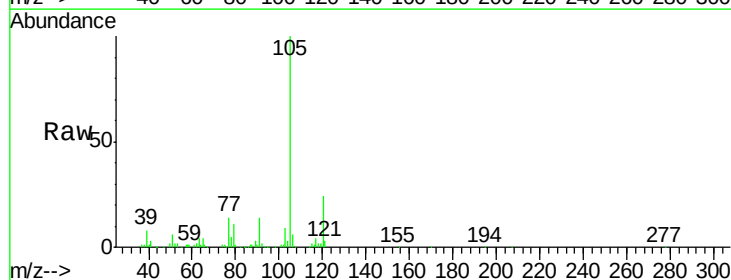
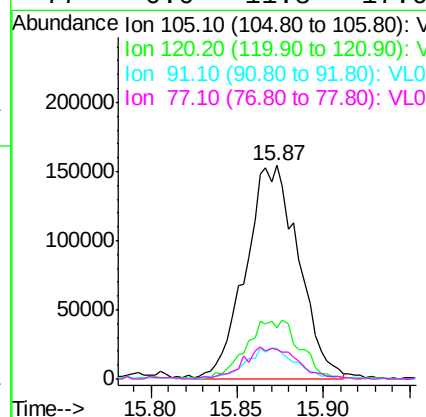
Manual Integrations
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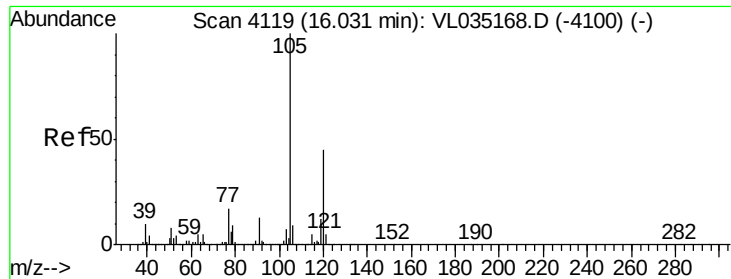
MMDadoda
 7/9/2020 12:02:31 PM



#72
 4-Ethyltoluene
 Concen: 1.029 ppbv m
 RT: 15.87 min Scan# 4070
 Delta R.T. -0.00 min
 Lab File: VL035170.D
 Acq: 8 Jul 2020 3:56

Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.2	23.2	34.8
91	0.0	10.9	16.3#
77	0.0	11.8	17.6#





#73

1,3,5-Trimethylbenzene

Concen: 1.057 ppbv m

RT: 16.02 min Scan# 4117

Delta R.T. -0.01 min

Lab File: VL035170.D

Acq: 8 Jul 2020 3:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 320389

Ion Ratio Lower Upper

105 100

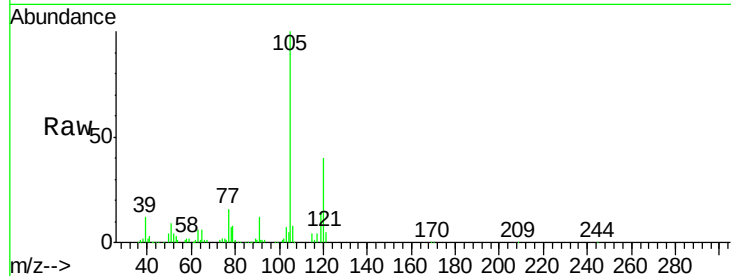
120 39.7 36.2 54.2

Manual Integrations

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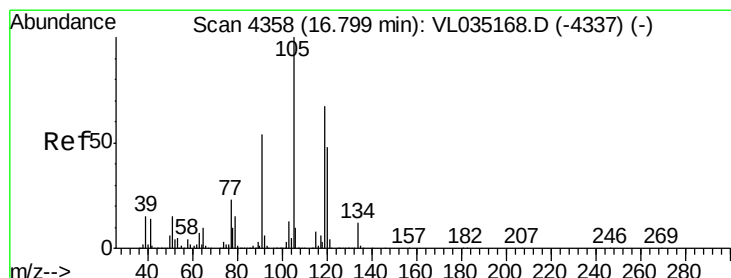
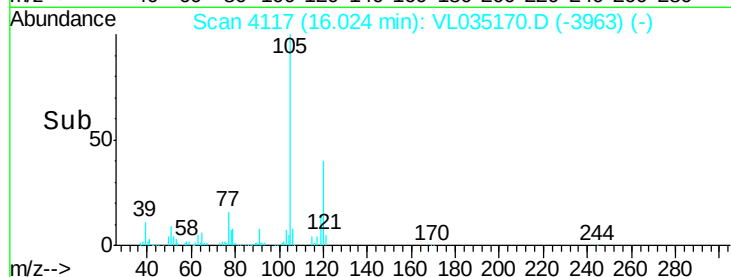
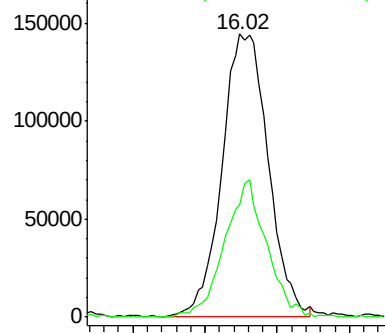
MMDadoda

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 1.073 ppbv m

RT: 16.79 min Scan# 4356

Delta R.T. -0.01 min

Lab File: VL035170.D

Acq: 8 Jul 2020 3:56

Tgt Ion:105 Resp: 363783

Ion Ratio Lower Upper

105 100

120 42.8 38.6 57.8

91 53.8 43.6 65.4

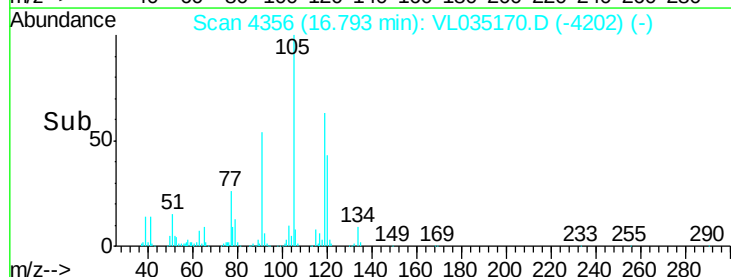
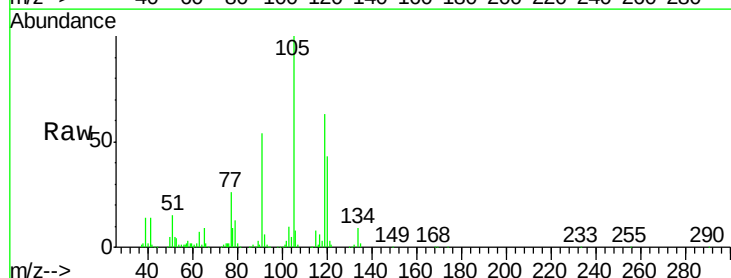
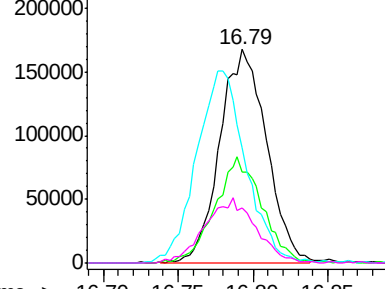
77 25.9 18.3 27.5

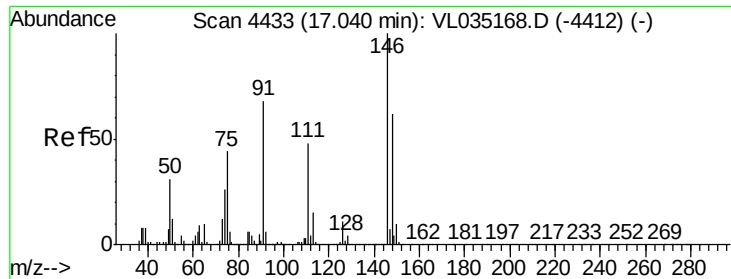
Abundance Ion 105.10 (104.80 to 105.80): V

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





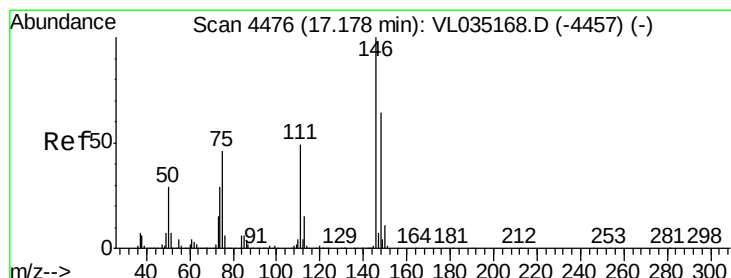
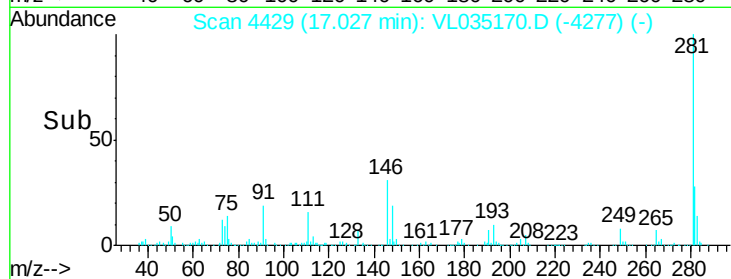
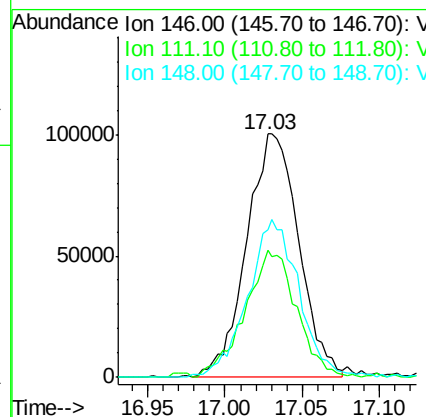
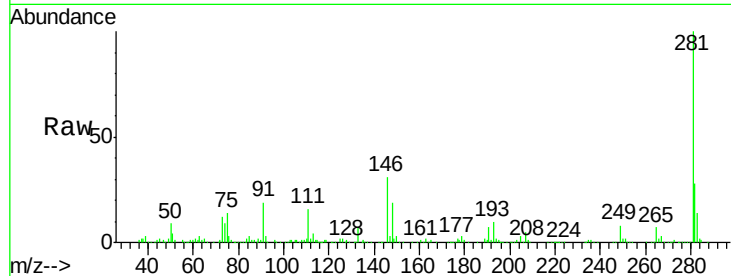
#75
 1,3-Dichlorobenzene
 Concen: 1.154 ppbv
 RT: 17.03 min Scan# 4429
 Delta R.T. -0.01 min
 Lab File: VL035170.D
 Acq: 8 Jul 2020 3:56

Instrument :
 MSVOA_L
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	53.3	24.7	74.1
148	64.6	32.4	97.0

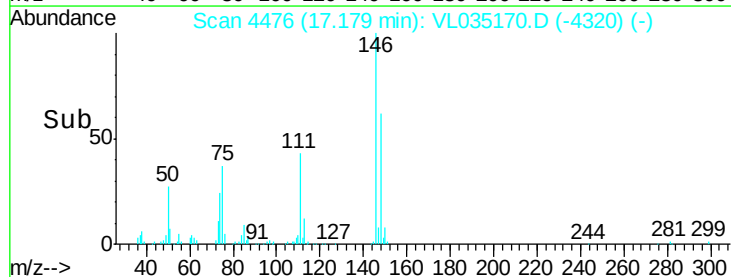
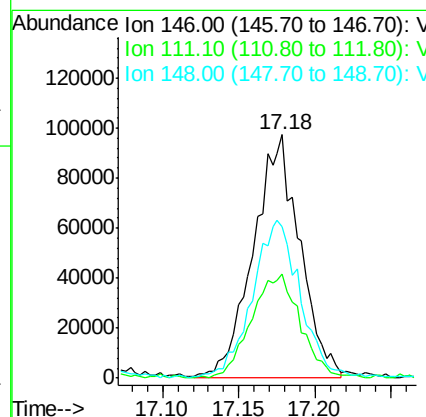
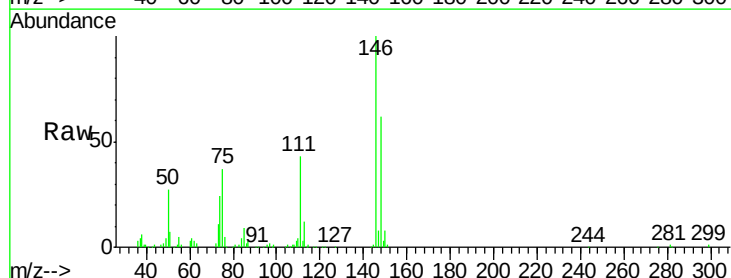
Manual Integrations
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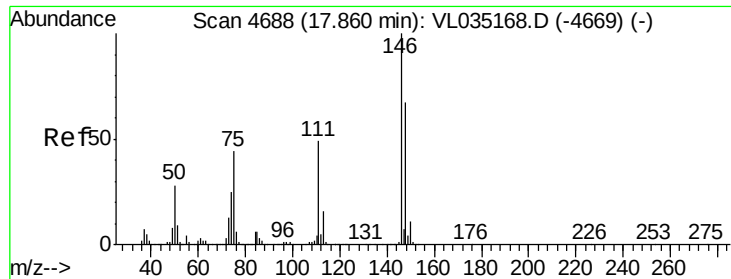
MMDadoda
 7/9/2020 12:02:31 PM



#76
 1,4-Dichlorobenzene
 Concen: 1.071 ppbv m
 RT: 17.18 min Scan# 4476
 Delta R.T. 0.00 min
 Lab File: VL035170.D
 Acq: 8 Jul 2020 3:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.3	23.8	71.2
148	67.9	32.3	96.9





#77

1,2-Dichlorobenzene

Concen: 1.126 ppbv

RT: 17.85 min Scan# 4685

Delta R.T. -0.01 min

Lab File: VL035170.D

Acq: 8 Jul 2020 3:56

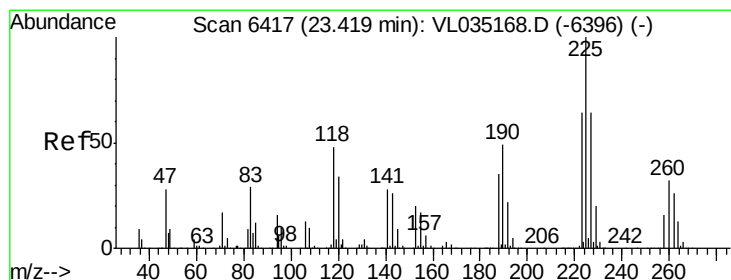
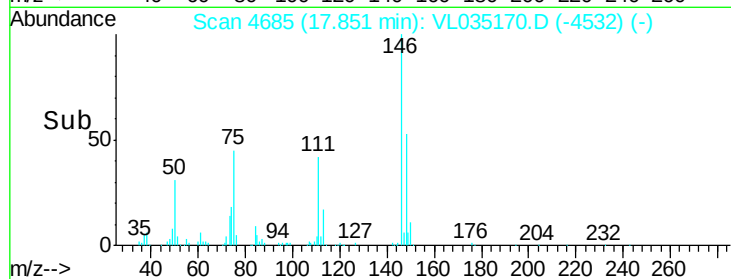
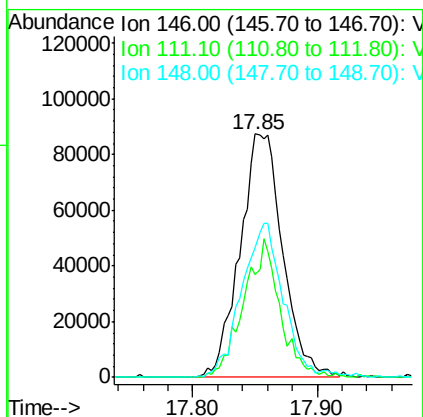
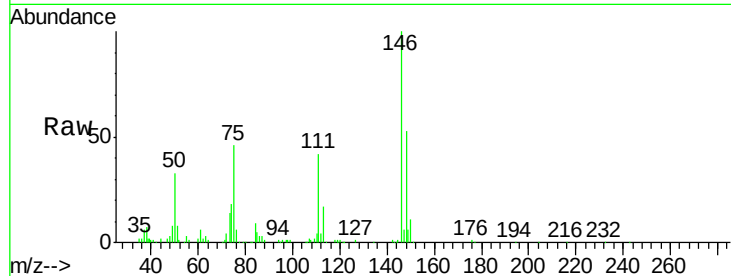
Instrument :
MSVOA_L

ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.8	25.1	75.2
148	62.2	32.4	97.0

Manual Integrations
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7/9/2020 12:02:31 PM



#78

Hexachloro-1,3-Butadiene

Concen: 1.051 ppbv

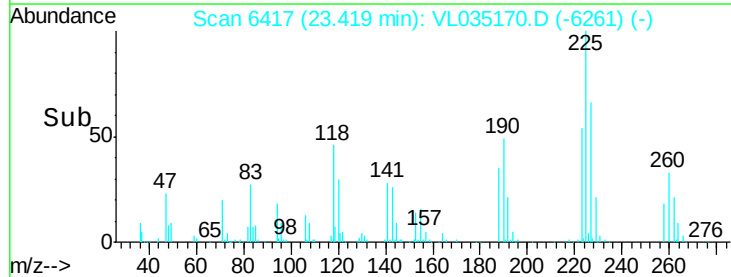
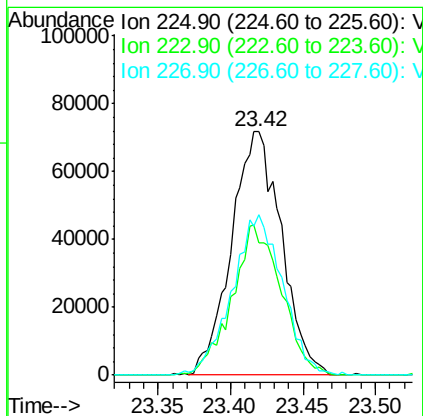
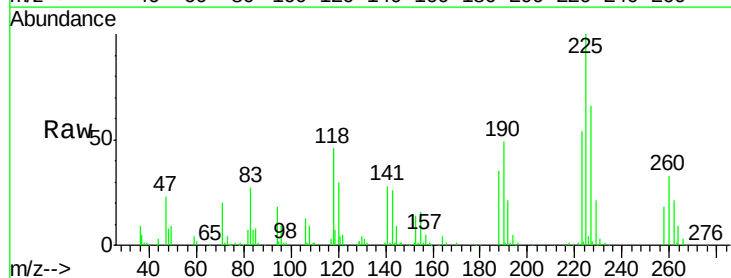
RT: 23.42 min Scan# 6417

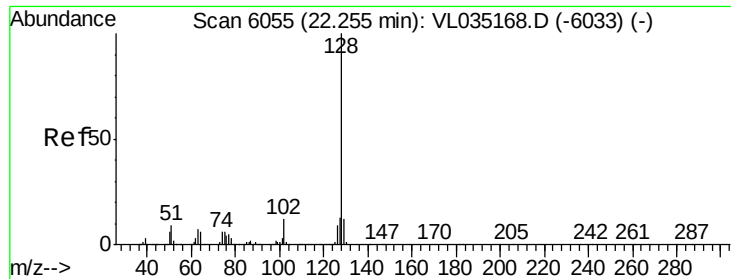
Delta R.T. 0.00 min

Lab File: VL035170.D

Acq: 8 Jul 2020 3:56

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.4	50.2	75.2
227	66.6	51.2	76.8





#79

Naphthalene

Concen: 0.644 ppbv m

RT: 22.26 min Scan# 6056

Delta R.T. 0.00 min

Lab File: VL035170.D

Acq: 8 Jul 2020 3:56

Instrument :

MSVOA_L

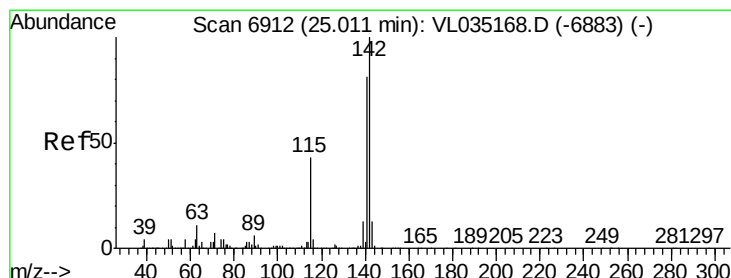
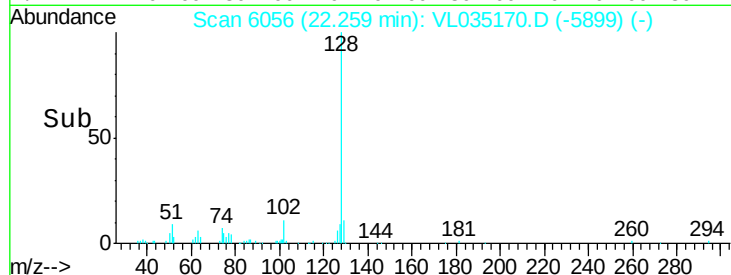
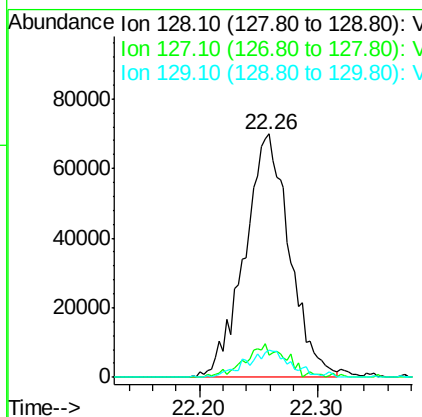
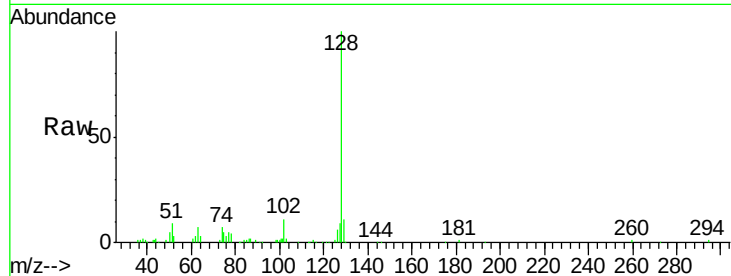
ClientSampleId :

VSTDIC001

Tot Ion:	128	Resp:	185943
Ion Ratio		Lower	Upper
128	100		
127	8.9	10.8	16.2#
129	11.1	9.4	14.2

Manual Integrations
APPROVED

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7/9/2020 12:02:31 PM



#80

Naphthalene, 2-methyl-

Concen: 0.153 ppbv

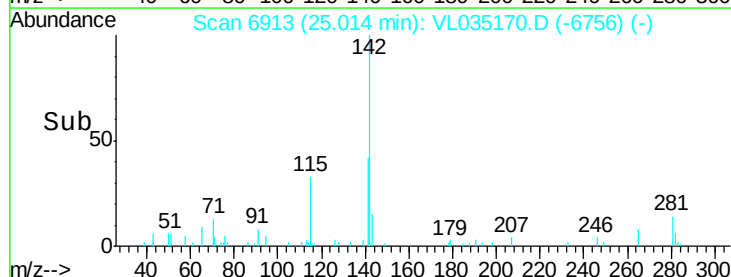
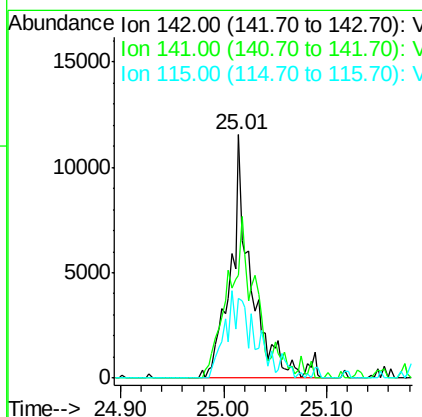
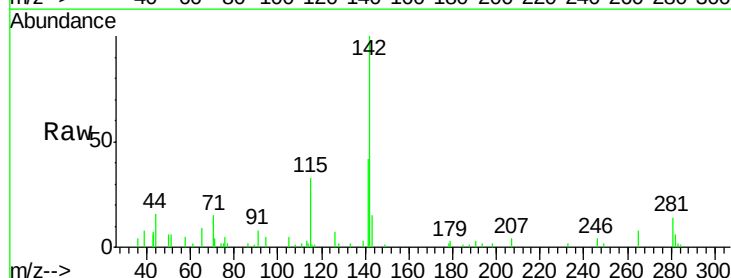
RT: 25.01 min Scan# 6913

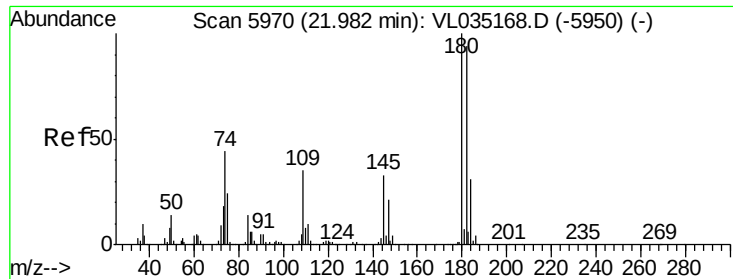
Delta R.T. 0.00 min

Lab File: VL035170.D

Acq: 8 Jul 2020 3:56

Tgt Ion:	142	Resp:	16099
Ion Ratio		Lower	Upper
142	100		
141	92.6	68.2	102.4
115	53.5	34.4	51.6#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.781 ppbv m
 RT: 21.99 min Scan# 5971
 Delta R.T. 0.00 min
 Lab File: VL035170.D
 Acq: 8 Jul 2020 3:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

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

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 12:02:31 PM

