

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050719\
 Data File : VX009368.D
 Acq On : 07 May 2019 10:18
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 5/8/2019 10:10:25 AM

Quant Time: May 08 02:15:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 02 06:46:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	35057	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	205769	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	183723	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	85776	29.50	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.33%
60) 4-Bromofluorobenzene	11.13	95	93073	29.81	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.37%
63) Toluene-d8	8.71	98	262264	30.11	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.37%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	35768	19.201	ug/l 100
3) Chloromethane	1.32	50	48458	19.353	ug/l 98
4) Vinyl Chloride	1.41	62	47516	19.022	ug/l 100
5) Bromomethane	1.64	94	29707	18.762	ug/l 97
6) Chloroethane	1.72	64	30799	18.801	ug/l 99
7) Trichlorofluoromethane	1.93	101	62198	20.165	ug/l 97
8) Diethyl Ether	2.19	74	28271	19.739	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	39733	20.806	ug/l 99
10) 1,1-Dichloroethene	2.37	96	38560	20.110	ug/l 99
11) Methyl Iodide	2.51	142	36288	17.409	ug/l 98
12) Methyl Acetate	2.77	43	68992	19.102	ug/l 100
13) Acrolein	2.29	56	38126	76.965	ug/l 99
14) Acrylonitrile	3.14	53	153653	98.029	ug/l 99
15) Acetone	2.44	58	47142	104.754	ug/l 96
16) Carbon Disulfide	2.57	76	96790	18.656	ug/l 100
17) Allyl chloride	2.73	41	90902	19.746	ug/l 98
18) Methylene Chloride	2.85	84	46250	19.958	ug/l 96
19) trans-1,2-Dichloroethene	3.17	96	40602	19.859	ug/l 95
20) Diisopropyl ether	3.85	45	181547	20.026	ug/l 97
21) 1,1-Dichloroethane	3.70	63	86511	19.719	ug/l 99
22) cis-1,2-Dichloroethene	4.59	96	49491	20.097	ug/l 99
23) tert-Butyl Alcohol	3.04	59	62620	94.482	ug/l # 100
24) Methyl tert-Butyl Ether	3.19	73	149409	19.910	ug/l 99
25) Chloroform	5.21	83	80332	20.065	ug/l 98
26) Cyclohexane	5.58	56	80772	19.754	ug/l # 96
29) 1,1-Dichloropropene	5.80	75	59518	19.713	ug/l 99
30) 2-Butanone	4.67	43	237594	100.481	ug/l 99
31) 2,2-Dichloropropane	4.58	77	66464	19.968	ug/l 98
32) 1,1,1-Trichloroethane	5.49	97	65907	20.136	ug/l 98
33) Carbon Tetrachloride	5.78	117	55554	20.286	ug/l 96
34) Benzene	6.14	78	186863	20.074	ug/l 98
35) Methacrylonitrile	5.04	41	49084	19.841	ug/l 96
36) 1,2-Dichloroethane	6.19	62	67504	19.986	ug/l 100
37) Trichloroethene	7.21	130	44538	19.876	ug/l 96
38) Methylcyclohexane	7.46	83	75300	20.186	ug/l 99
39) 1,2-Dichloropropane	7.51	63	53298	20.107	ug/l 100
40) Dibromomethane	7.66	93	30549	20.305	ug/l 99

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	62469	20.327	ug/l	97
42) Vinyl Acetate	3.81	43	776378	99.483	ug/l	99
43) Ethyl Acetate	4.83	43	82003	19.192	ug/l	98
44) Isopropyl Acetate	6.44	43	133839	19.336	ug/l	99
45) 1,4-Dioxane	7.74	88	26737	393.436	ug/l	99
46) Methyl methacrylate	7.76	41	66508	19.251	ug/l	96
47) n-amyl Acetate	10.90	43	120170	19.272	ug/l	99
48) t-1,3-Dichloropropene	9.04	75	70007	19.524	ug/l	97
49) cis-1,3-Dichloropropene	8.43	75	77908	19.792	ug/l	97
50) 1,1,2-Trichloroethane	9.21	97	47539	20.624	ug/l	98
51) Ethyl methacrylate	9.18	69	82837	19.447	ug/l	99
52) 1,3-Dichloropropane	9.37	76	82695	20.215	ug/l	100
53) Dibromochloromethane	9.58	129	47067	20.503	ug/l	97
54) 1,2-Dibromoethane	9.67	107	47116	19.930	ug/l	99
55) 2-Chloroethyl vinyl ether	8.30	63	180690	79.606	ug/l	99
56) Bromoform	10.85	173	34687	19.684	ug/l	99
58) 4-Methyl-2-Pentanone	8.64	43	444554	98.406	ug/l	100
59) 2-Hexanone	9.49	43	351104	99.089	ug/l	100
61) Tetrachloroethene	9.34	164	41571	20.525	ug/l	99
62) Toluene	8.78	91	196477	20.013	ug/l	99
64) Chlorobenzene	10.13	112	119630	20.247	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.22	131	43869	20.278	ug/l	99
66) Ethyl Benzene	10.25	91	220799	20.189	ug/l	98
67) m/p-Xylenes	10.36	106	161101	40.345	ug/l	100
68) o-Xylene	10.69	106	79780	20.319	ug/l	96
69) Styrene	10.71	104	139084	20.179	ug/l	100
70) Isopropylbenzene	11.02	105	216163	20.471	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	77206	19.965	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	68967m	20.695	ug/l	
73) Bromobenzene	11.25	156	52807	20.241	ug/l	99
74) n-propylbenzene	11.36	91	250017	20.432	ug/l	100
75) 2-Chlorotoluene	11.42	91	148551	20.240	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	182033	20.351	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	25017	18.610	ug/l	98
78) 4-Chlorotoluene	11.51	91	168949	20.268	ug/l	99
79) tert-butylbenzene	11.77	119	173660	20.084	ug/l	100
80) 1,2,4-Trimethylbenzene	11.80	105	183325	20.449	ug/l	99
81) sec-Butylbenzene	11.94	105	210653	20.505	ug/l	99
82) p-Isopropyltoluene	12.06	119	191624	20.505	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	94746	20.335	ug/l	98
84) 1,4-Dichlorobenzene	12.10	146	94785	20.419	ug/l	98
85) n-Butylbenzene	12.38	91	174121	20.363	ug/l	99
86) Hexachloroethane	12.59	117	31672	19.917	ug/l	97
87) 1,2-Dichlorobenzene	12.39	146	95137	20.285	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	13.00	75	17648	19.638	ug/l	99
89) 1,2,4-Trichlorobenzene	13.65	180	68545	20.505	ug/l	99
90) Hexachlorobutadiene	13.78	225	35136	21.042	ug/l	99
91) Naphthalene	13.83	128	227124	20.751	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	71772	21.121	ug/l	99

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ClientSampleId :
VSTDCCC020

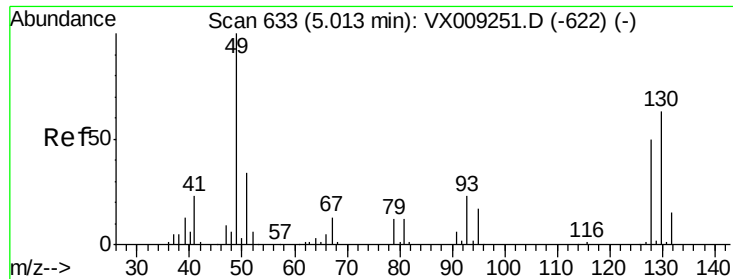
Manual Integrations
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QLast Update : Thu May 02 06:46:57 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

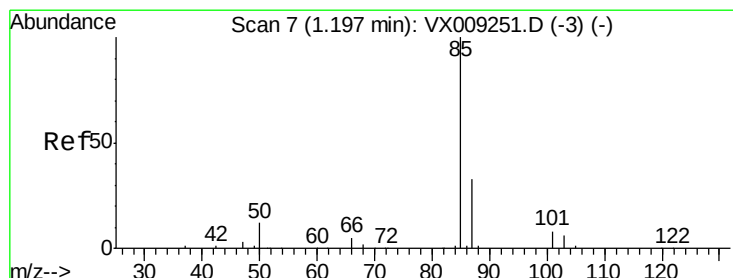
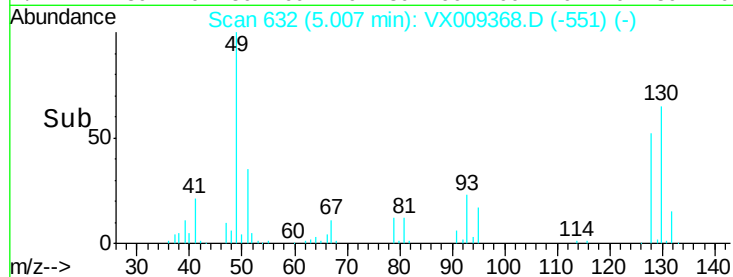
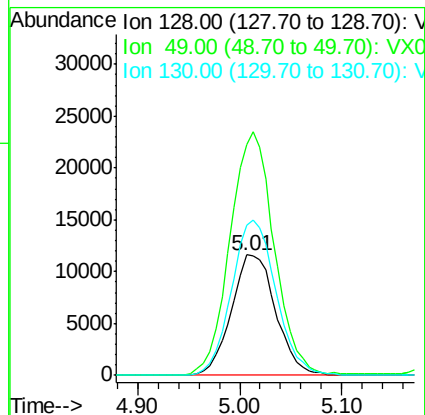
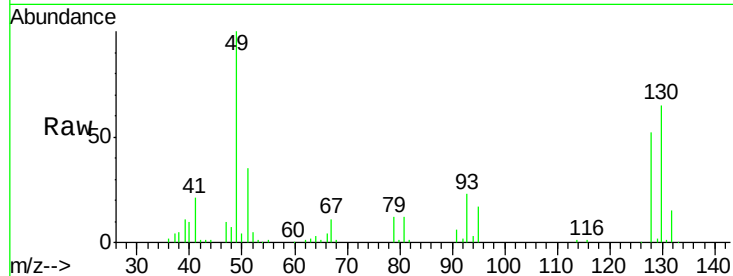
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.01 min Scan# 632
Delta R.T. -0.01 min
Lab File: VX009368.D
Acq: 07 May 2019 10:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
128	100		
49	201.0	0.0	515.0
130	129.2	0.0	323.3

Manual Integrations
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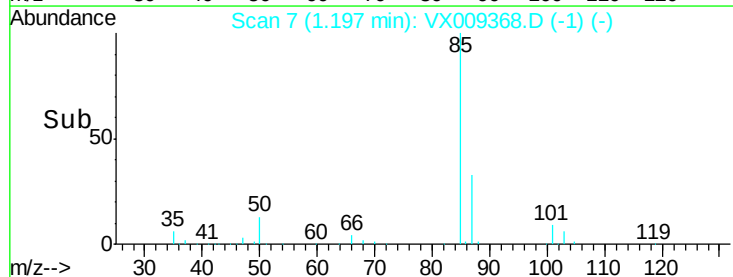
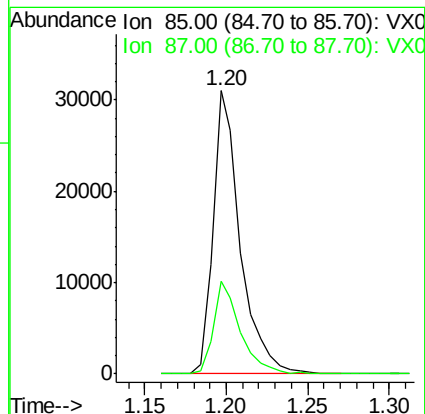
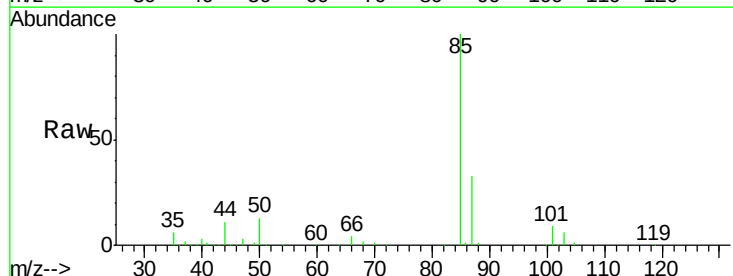
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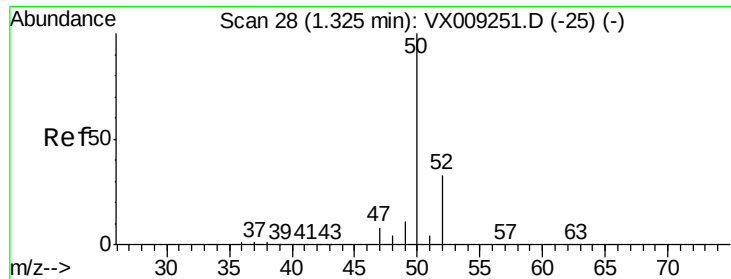


#2

Dichlorodifluoromethane
Concen: 19.201 ug/l
RT: 1.20 min Scan# 7
Delta R.T. -0.00 min
Lab File: VX009368.D
Acq: 07 May 2019 10:18

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.8	16.3	48.9





#3

Chloromethane

Concen: 19.353 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009368.D

Acq: 07 May 2019 10:18

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC020

Tot Ion: 50 Resp: 48458

Ion Ratio Lower Upper

50 100

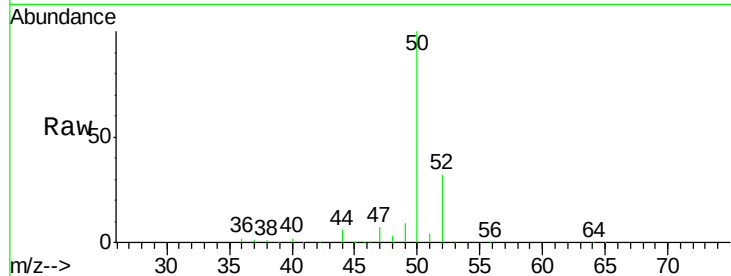
52 31.6 26.3 39.5

Manual Integrations

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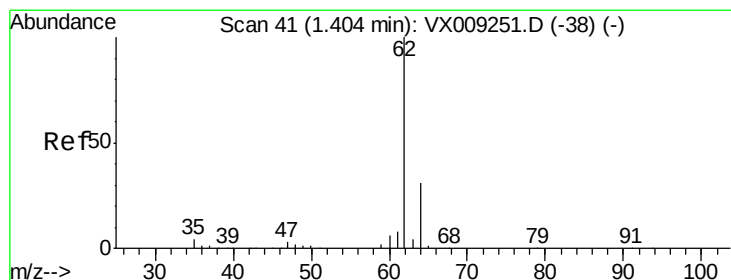
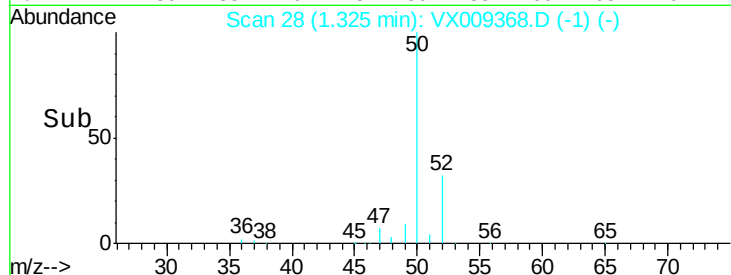
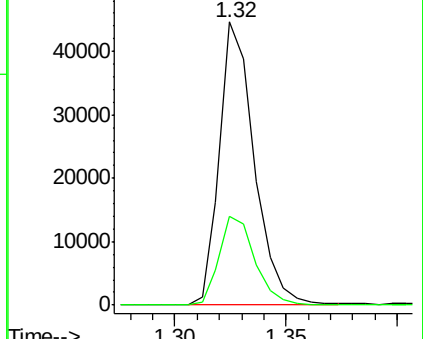
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Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 19.022 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX009368.D

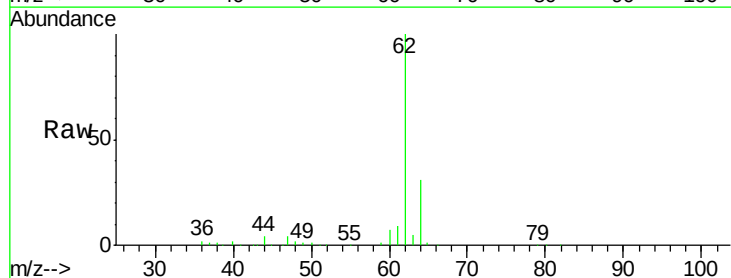
Acq: 07 May 2019 10:18

Tgt Ion: 62 Resp: 47516

Ion Ratio Lower Upper

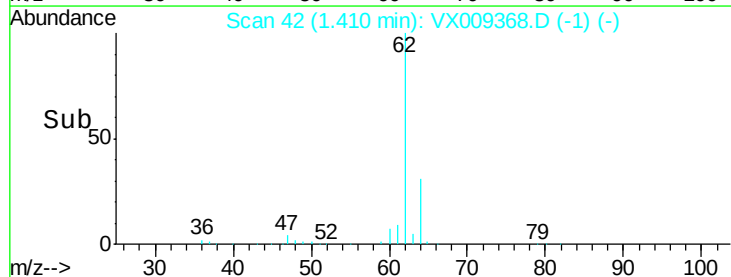
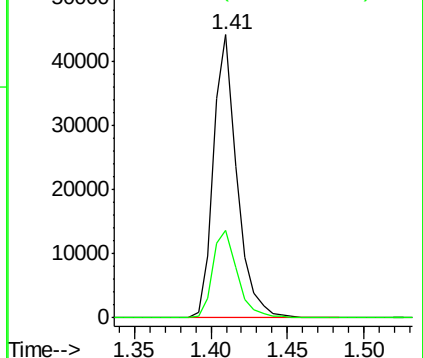
62 100

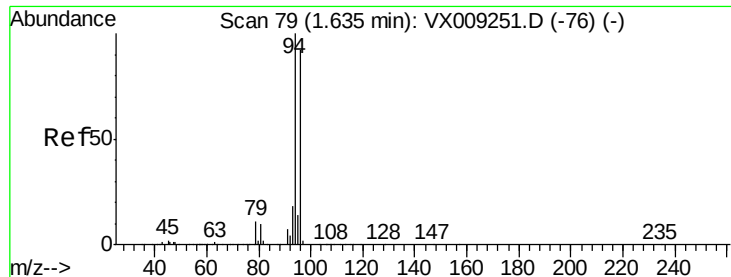
64 30.6 24.6 36.8



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 18.762 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009368.D

Acq: 07 May 2019 10:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 94 Resp: 29707

Ion Ratio Lower Upper

94 100

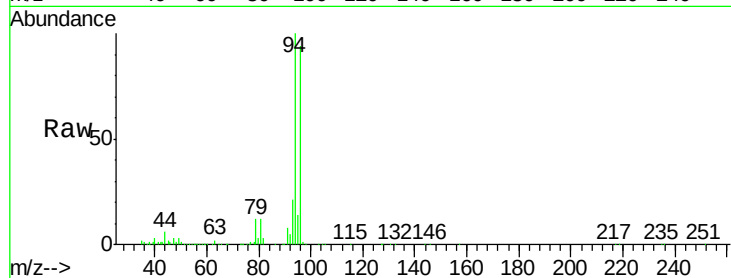
96 94.8 73.5 110.3

Manual Integrations

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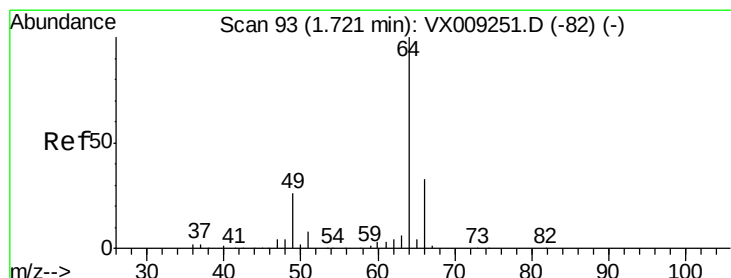
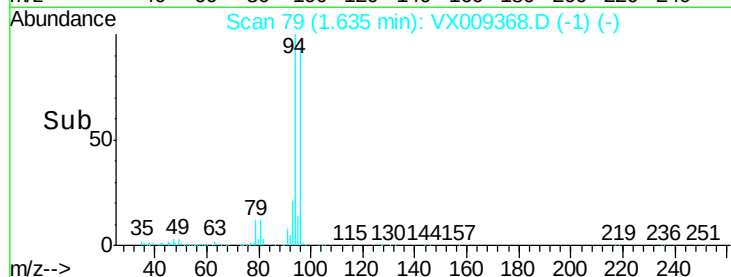
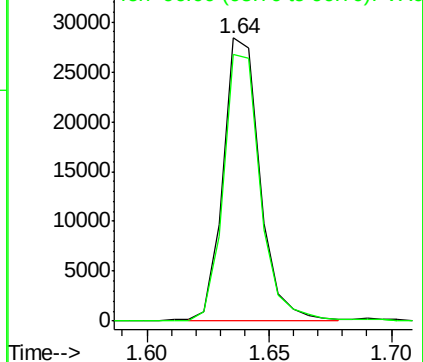
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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 18.801 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX009368.D

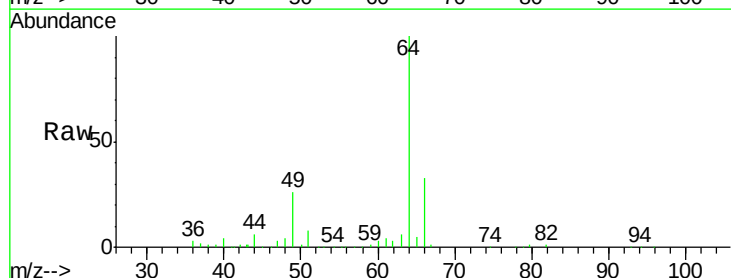
Acq: 07 May 2019 10:18

Tgt Ion: 64 Resp: 30799

Ion Ratio Lower Upper

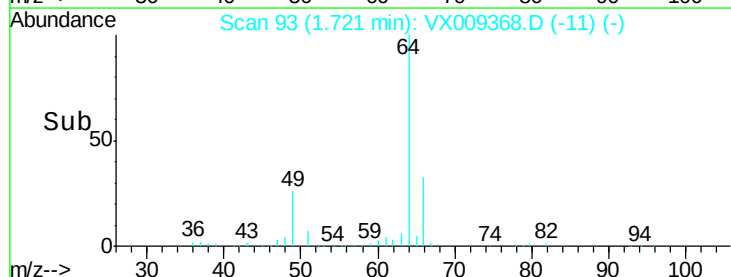
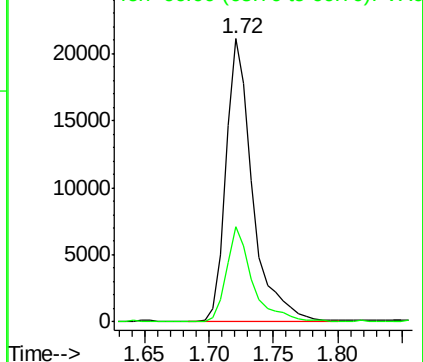
64 100

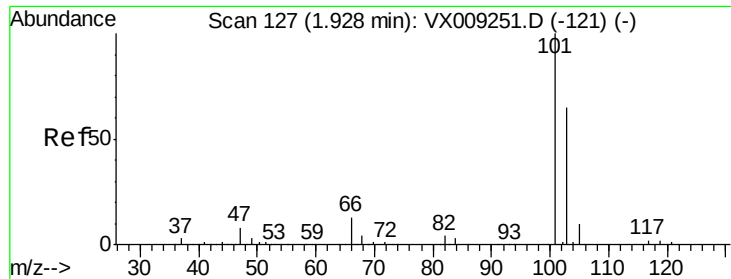
66 33.2 25.9 38.9



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

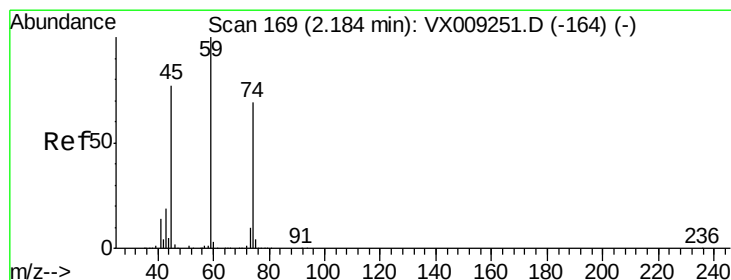
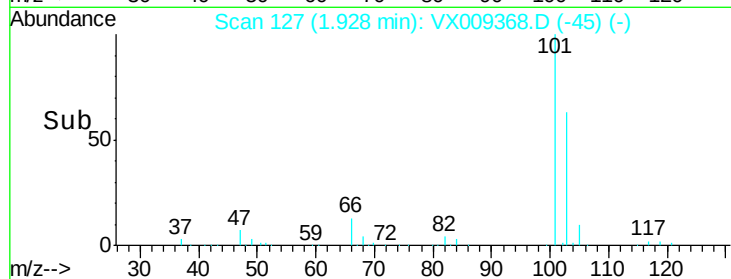
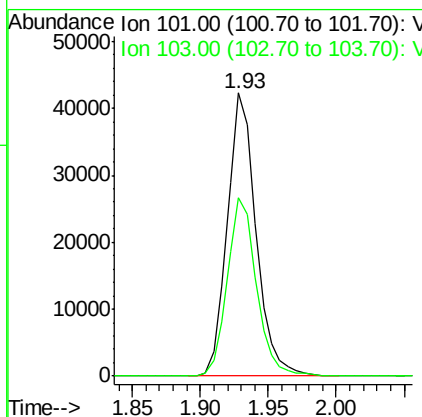
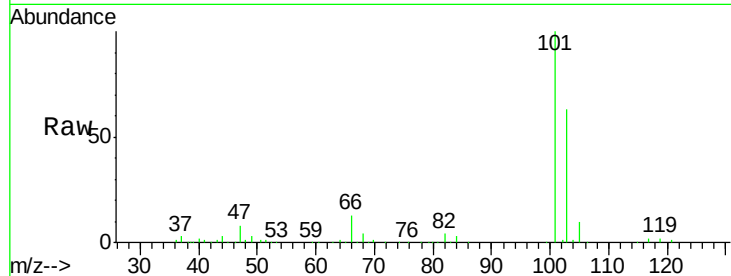
Trichlorofluoromethane
Concen: 20.165 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX009368.D
Acq: 07 May 2019 10:18

Instrument :
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ClientSampleId :
VSTDCCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		62198		
103	62.9	51.9	77.9		

Manual Integrations
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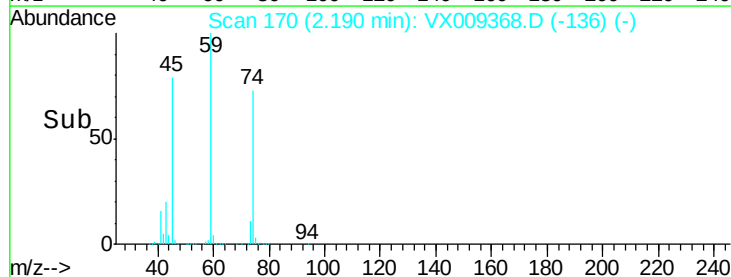
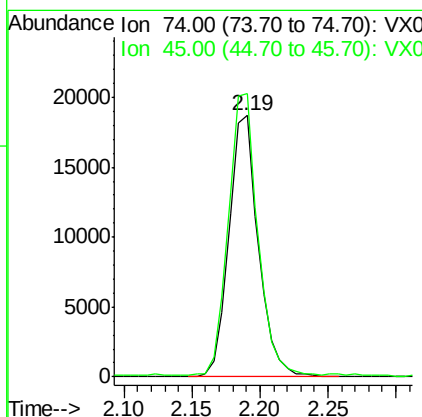
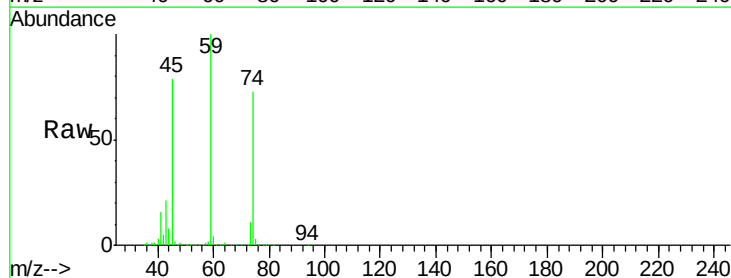
MMDadoda
5/8/2019 10:10:25 AM

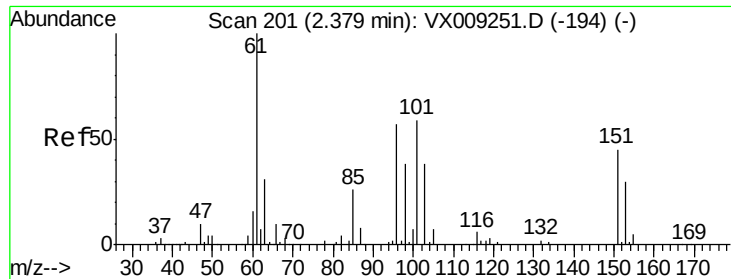


#8

Diethyl Ether
Concen: 19.739 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX009368.D
Acq: 07 May 2019 10:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		28271		
45	107.7	21.5	193.9		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.806 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX009368.D

Acq: 07 May 2019 10:18

Instrument :

MSVOA_X

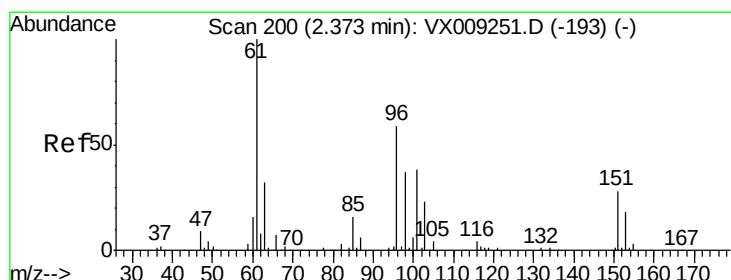
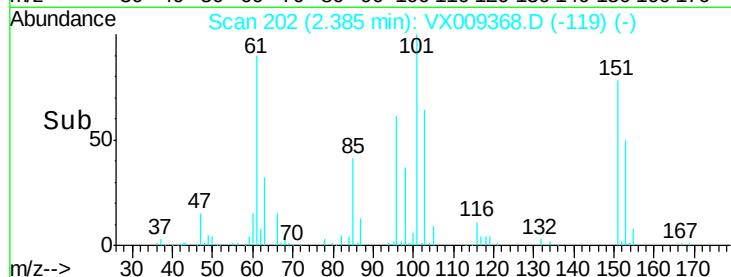
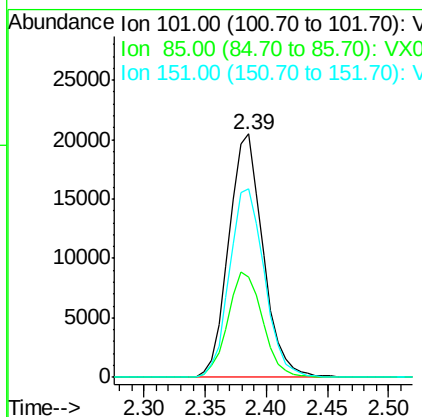
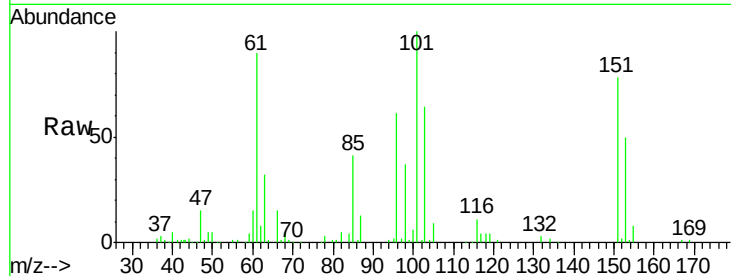
ClientSampled :

VSTDCCC020

Tot Ion:	101	Resp:	39733
Ion Ratio	Lower	Upper	
101	100		
85	44.2	0.0	87.4
151	79.1	0.0	157.0

Manual Integrations
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5/8/2019 10:10:25 AM



#10

1,1-Dichloroethene

Concen: 20.110 ug/l

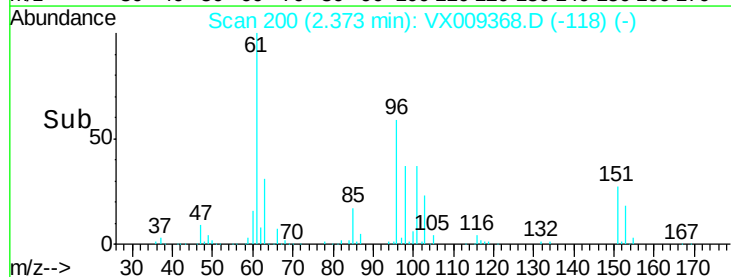
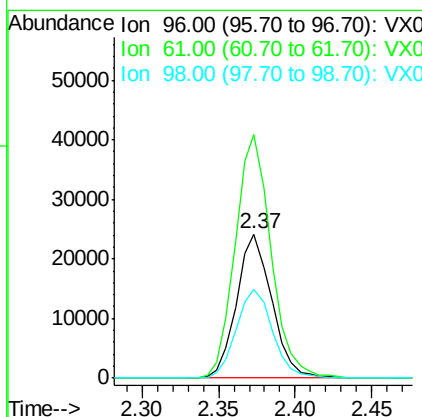
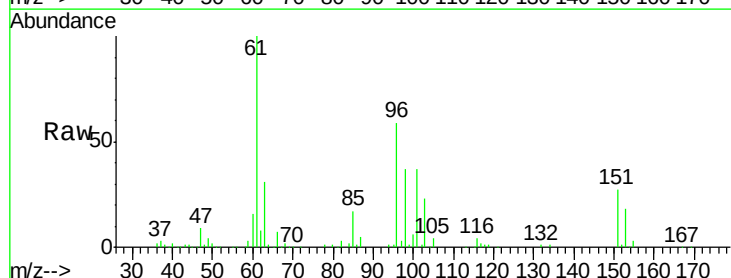
RT: 2.37 min Scan# 200

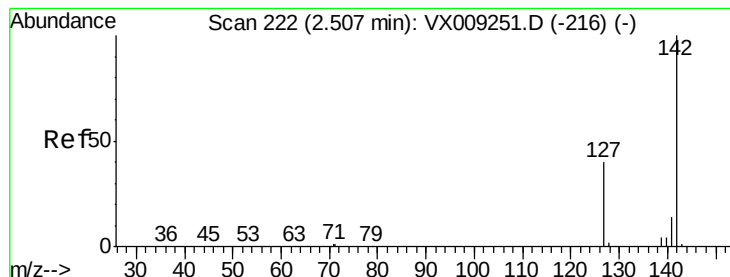
Delta R.T. -0.00 min

Lab File: VX009368.D

Acq: 07 May 2019 10:18

Tgt Ion:	96	Resp:	38560
Ion Ratio	Lower	Upper	
96	100		
61	169.2	136.5	204.7
98	62.0	51.0	76.4





#11

Methvl Iodide

Concen: 17.409 ug/l

RT: 2.51 min Scan# 222

Delta R.T. -0.00 min

Lab File: VX009368.D

Acq: 07 May 2019 10:18

Instrument :

MSVOA_X

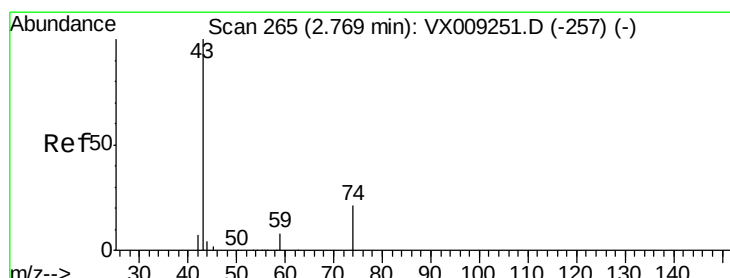
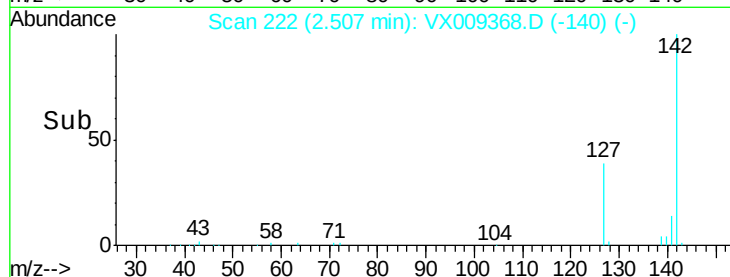
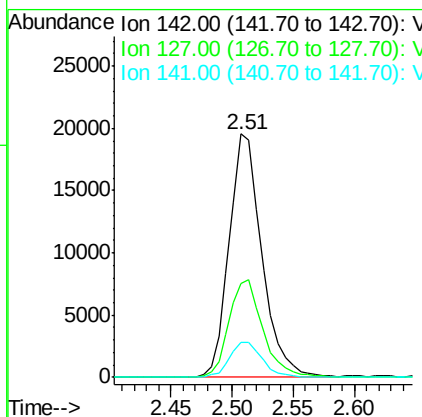
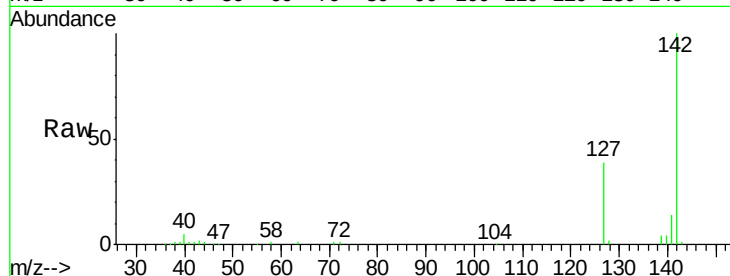
ClientSampleId :

VSTDCCC020

Tot Ion:	142	Resp:	36288
Ion Ratio	Lower	Upper	
142	100		
127	38.6	20.2	60.5
141	14.2	6.9	20.7

Manual Integrations
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MMDadoda
5/8/2019 10:10:25 AM



#12

Methyl Acetate

Concen: 19.102 ug/l

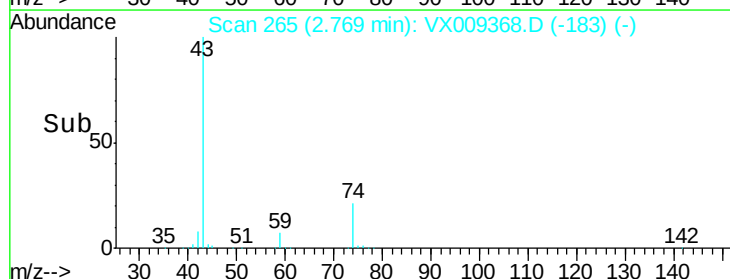
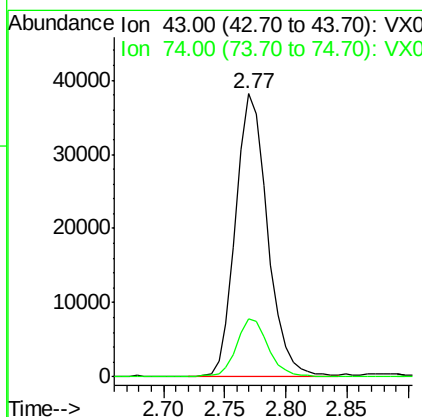
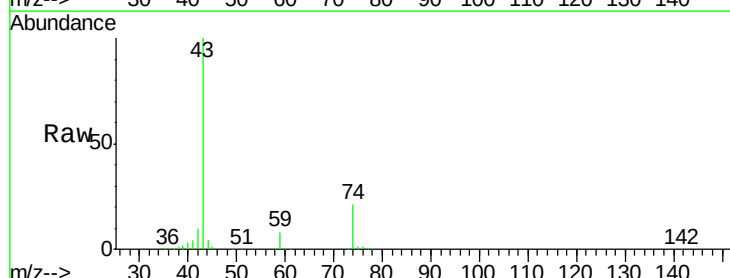
RT: 2.77 min Scan# 265

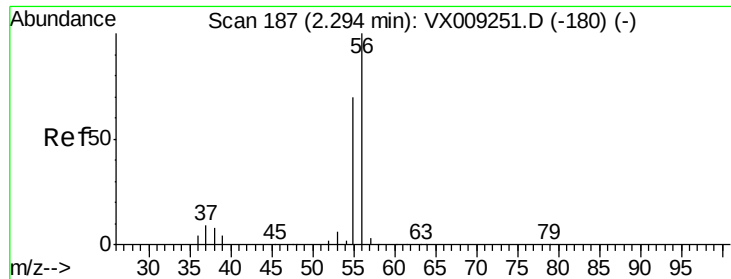
Delta R.T. -0.00 min

Lab File: VX009368.D

Acq: 07 May 2019 10:18

Tgt Ion:	43	Resp:	68992
Ion Ratio	Lower	Upper	
43	100		
74	20.5	16.5	24.7





#13

Acrolein

Concen: 76.965 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009368.D

Acq: 07 May 2019 10:18

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC020

Tot Ion: 56 Resp: 38126

Ion Ratio Lower Upper

56 100

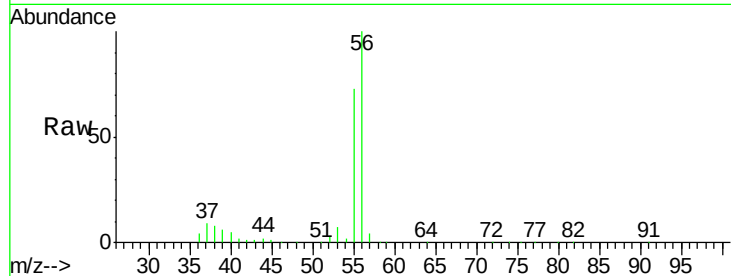
55 70.1 56.9 85.3

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

25000

20000

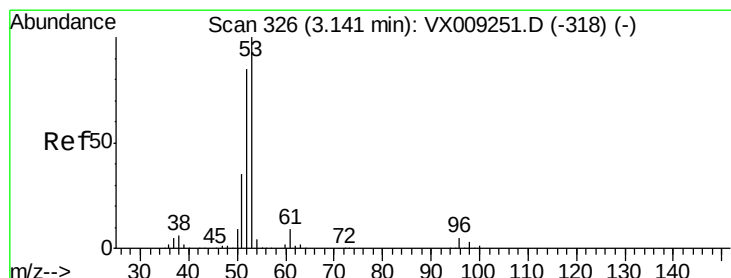
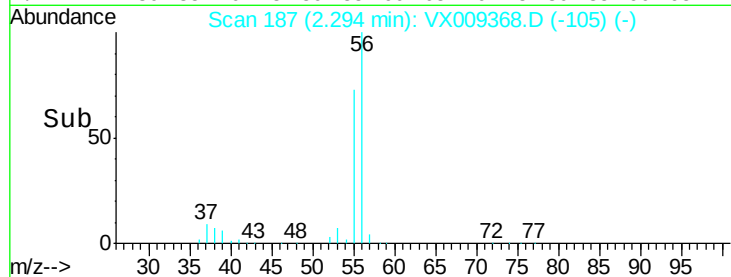
15000

10000

5000

0

Time--> 2.20 2.25 2.30 2.35 2.40



#14

Acrylonitrile

Concen: 98.029 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009368.D

Acq: 07 May 2019 10:18

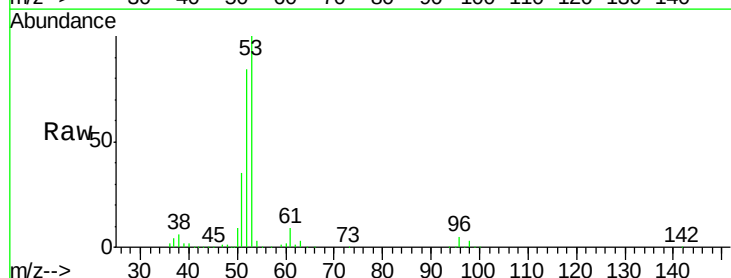
Tgt Ion: 53 Resp: 153653

Ion Ratio Lower Upper

53 100

52 84.0 41.5 124.5

51 35.6 17.8 53.3



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

100000

80000

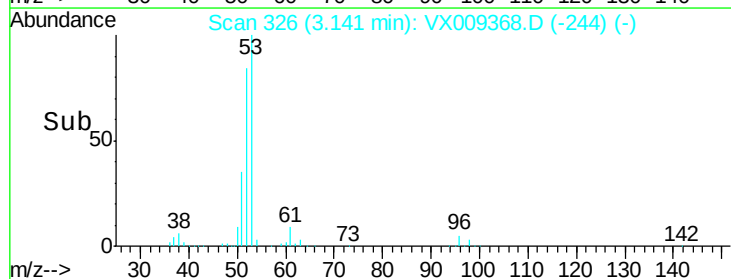
60000

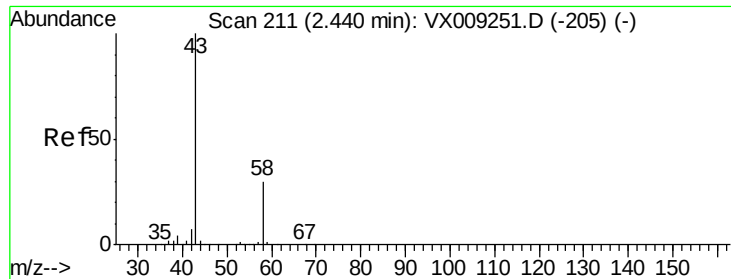
40000

20000

0

Time--> 3.10 3.20





#15

Acetone

Concen: 104.754 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX009368.D

Acq: 07 May 2019 10:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 58 Resp: 47142

Ion Ratio Lower Upper

58 100

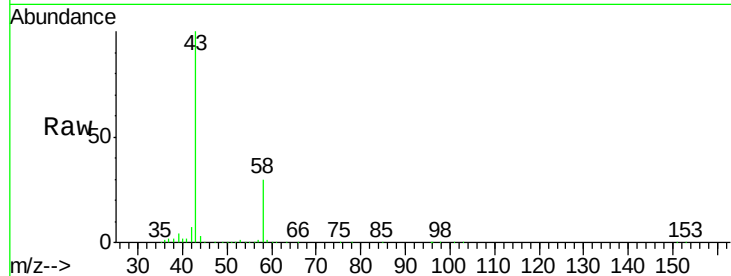
43 337.9 264.0 396.0

Manual Integrations

APPROVED

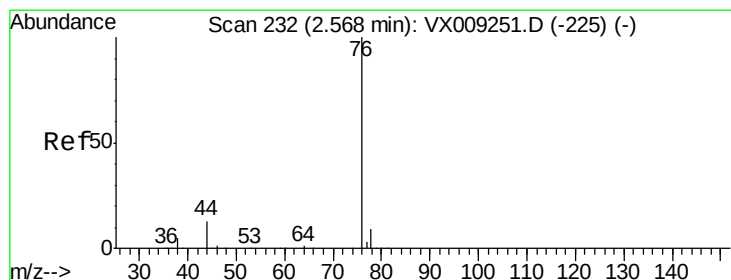
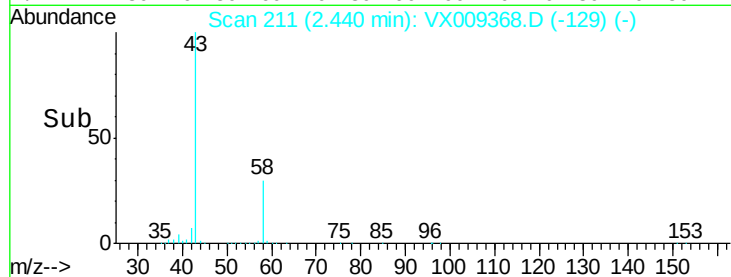
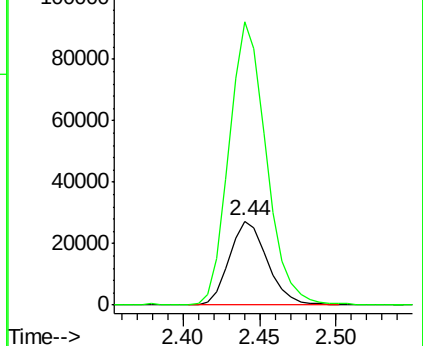
MMDadoda

5/8/2019 10:10:25 AM



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 18.656 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX009368.D

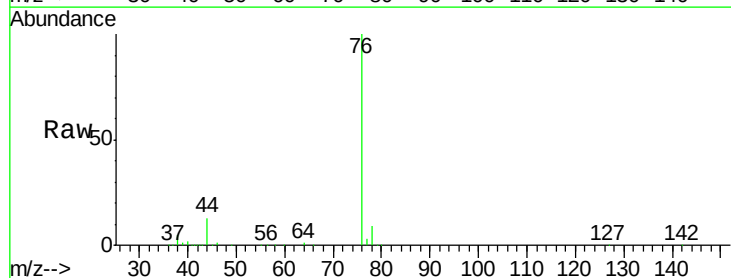
Acq: 07 May 2019 10:18

Tgt Ion: 76 Resp: 96790

Ion Ratio Lower Upper

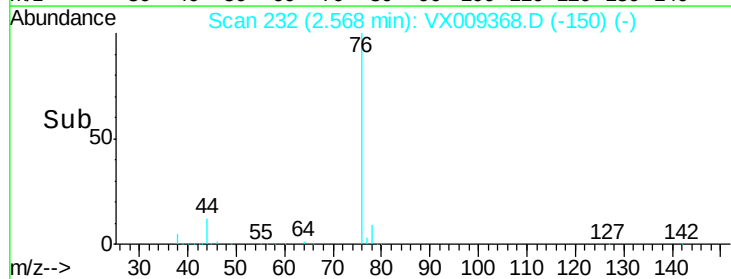
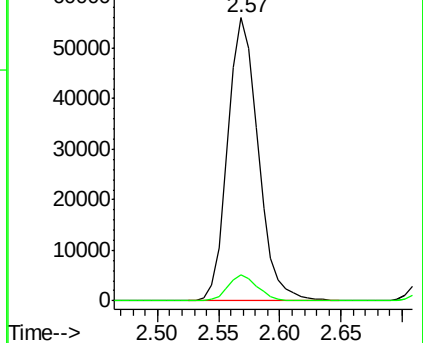
76 100

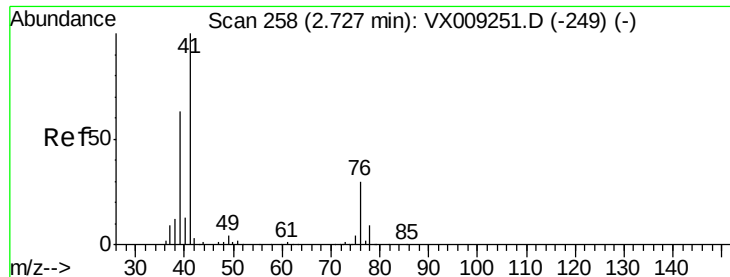
78 9.2 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





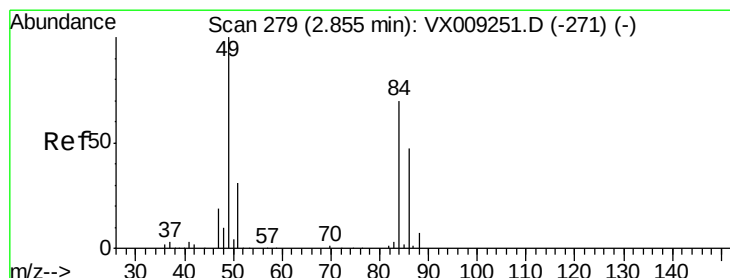
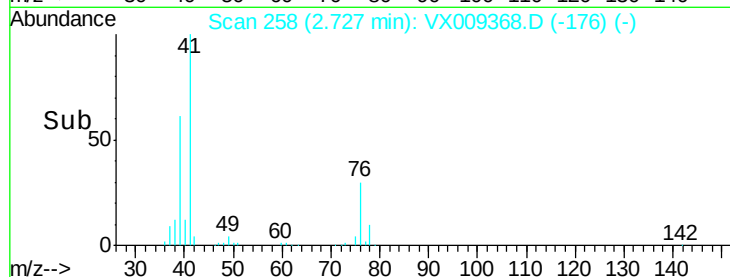
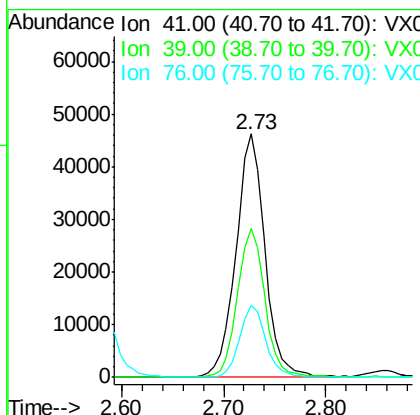
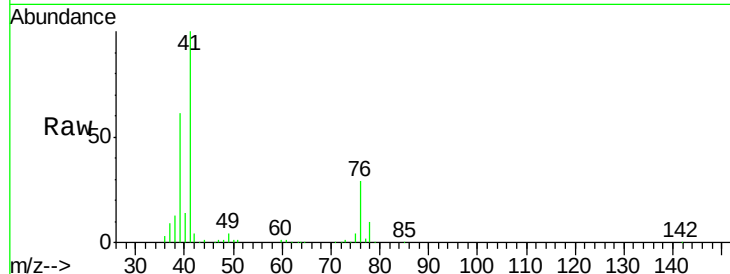
#17
Allvl chloride
Concen: 19.746 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX009368.D
Acq: 07 May 2019 10:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	61.3	31.6	94.7
76	29.2	15.1	45.3

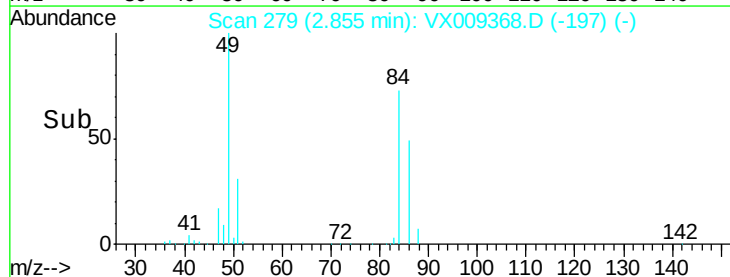
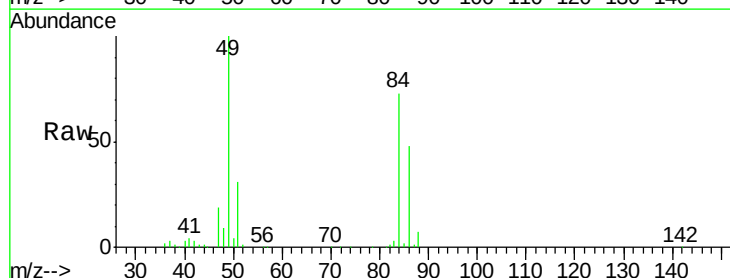
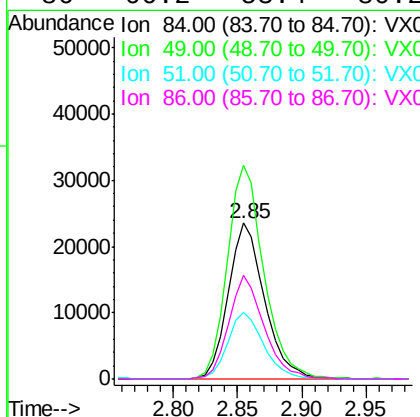
Manual Integrations
APPROVED

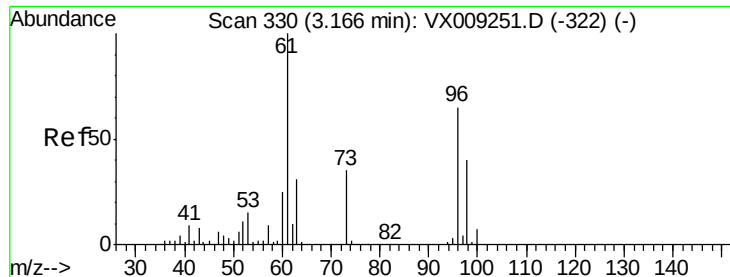
MMDadoda
5/8/2019 10:10:25 AM



#18
Methylene Chloride
Concen: 19.958 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009368.D
Acq: 07 May 2019 10:18

Tgt Ion	Ratio	Lower	Upper
84	100		
49	136.7	114.6	171.8
51	42.0	35.5	53.3
86	66.2	53.4	80.2





#19

trans-1,2-Dichloroethene

Concen: 19.859 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX009368.D

Acq: 07 May 2019 10:18

Instrument :

MSVOA_X

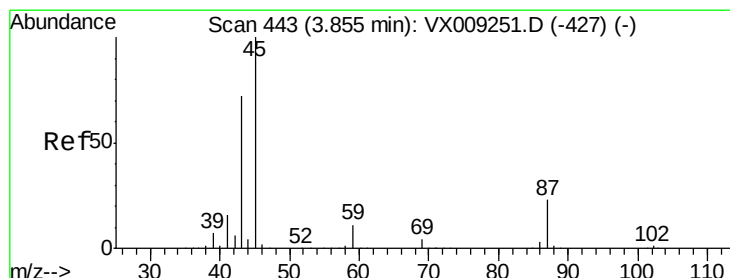
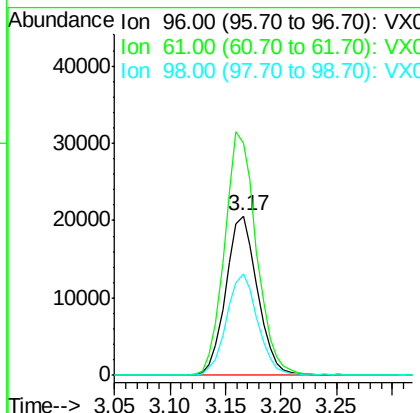
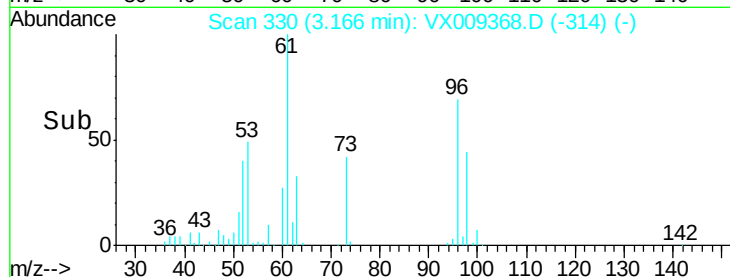
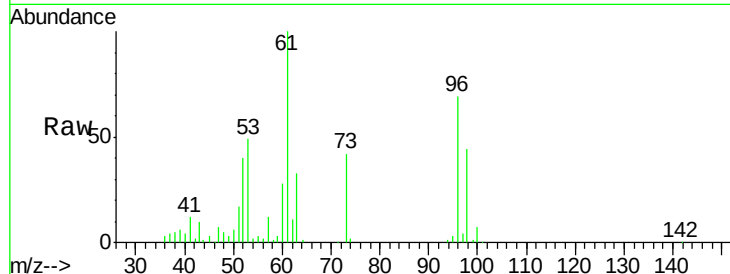
ClientSampleId :

VSTDCCC020

Tot Ion:	96	Resp:	40602
Ion	Ratio	Lower	Upper
96	100		
61	144.9	122.7	184.1
98	63.6	49.5	74.3

Manual Integrations
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MMDadoda
5/8/2019 10:10:25 AM



#20

Diisopropyl ether

Concen: 20.026 ug/l

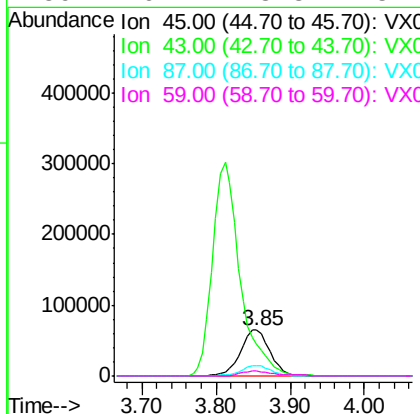
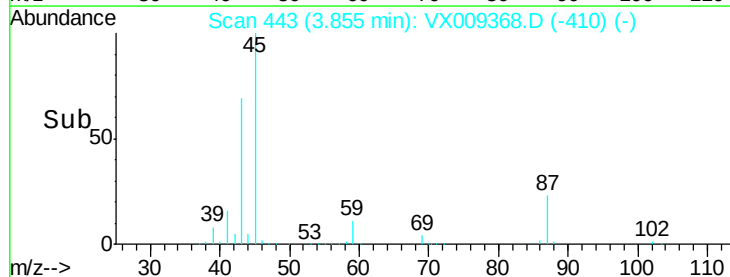
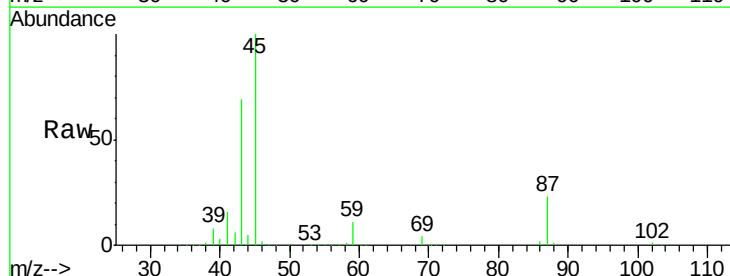
RT: 3.85 min Scan# 443

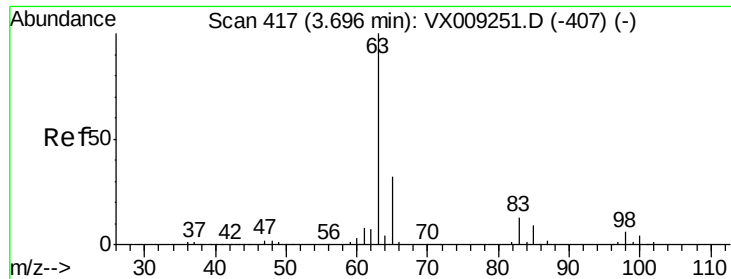
Delta R.T. -0.00 min

Lab File: VX009368.D

Acq: 07 May 2019 10:18

Tgt Ion:	45	Resp:	181547
Ion	Ratio	Lower	Upper
45	100		
43	68.1	57.7	86.5
87	23.3	18.5	27.7
59	10.7	8.8	13.2





#21

1,1-Dichloroethane

Concen: 19.719 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009368.D

Acq: 07 May 2019 10:18

Instrument :

MSVOA_X

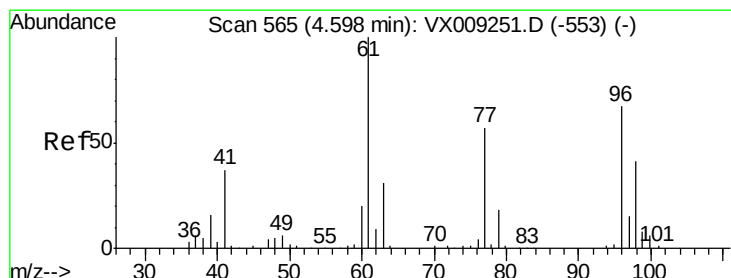
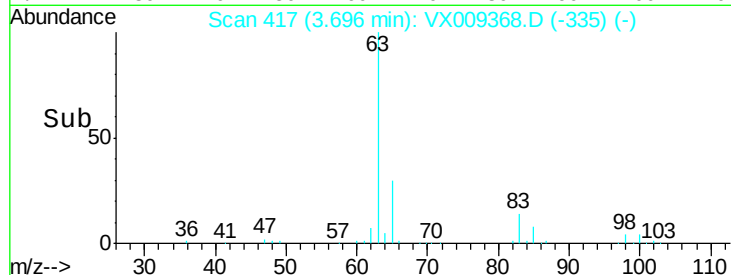
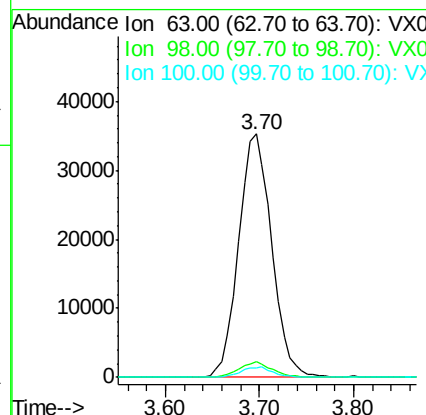
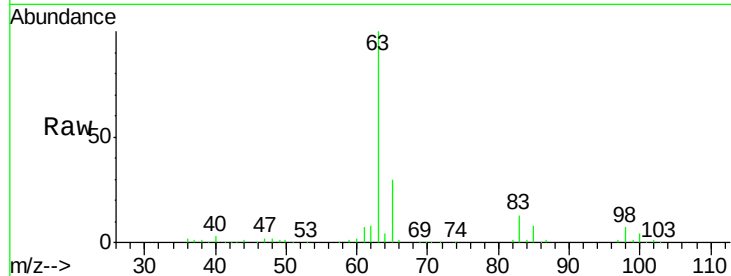
ClientSampleId :

VSTDCCC020

Tot Ion:	63	Resp:	86511
Ion Ratio	Lower	Upper	
63	100		
98	6.6	3.1	9.3
100	4.1	2.2	6.6

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 20.097 ug/l

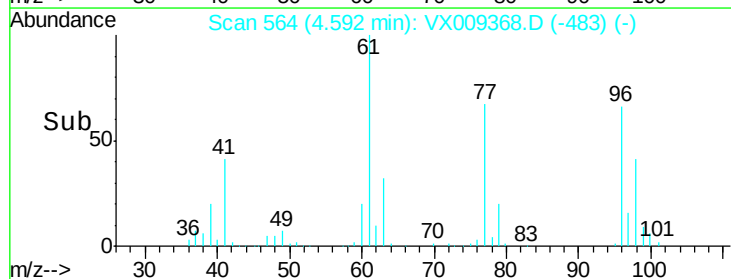
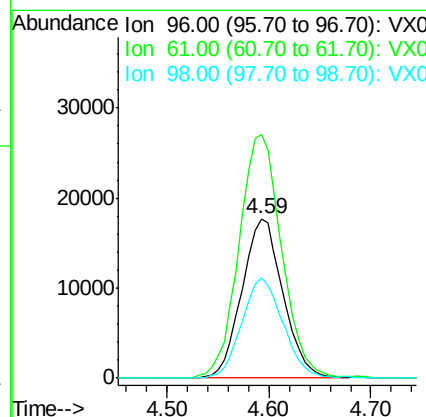
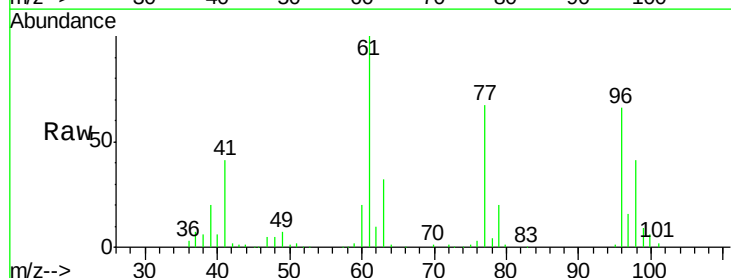
RT: 4.59 min Scan# 564

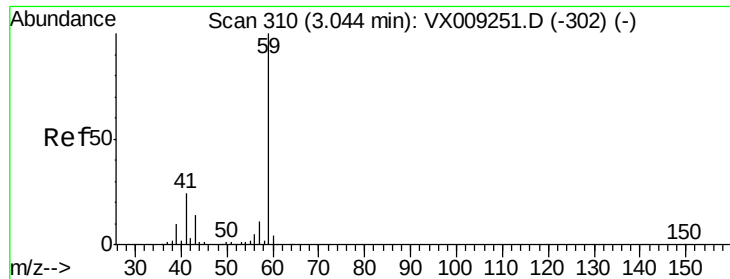
Delta R.T. -0.01 min

Lab File: VX009368.D

Acq: 07 May 2019 10:18

Tgt Ion:	96	Resp:	49491
Ion Ratio	Lower	Upper	
96	100		
61	158.4	127.7	191.5
98	63.0	50.5	75.7





#23

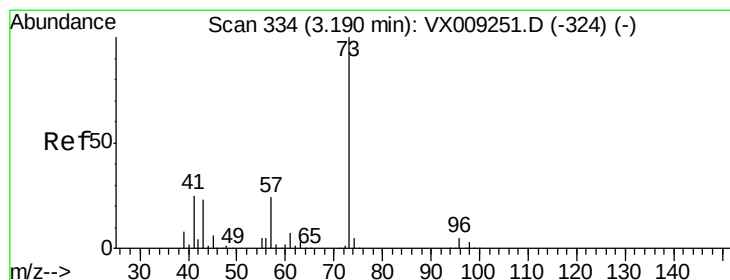
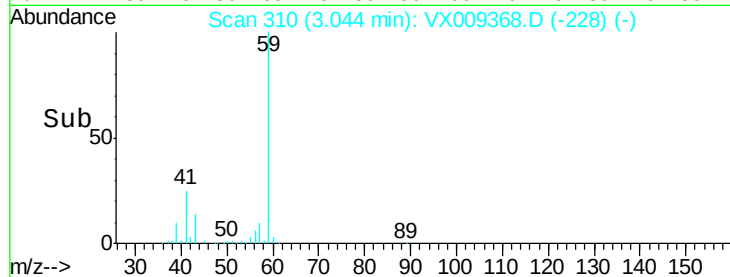
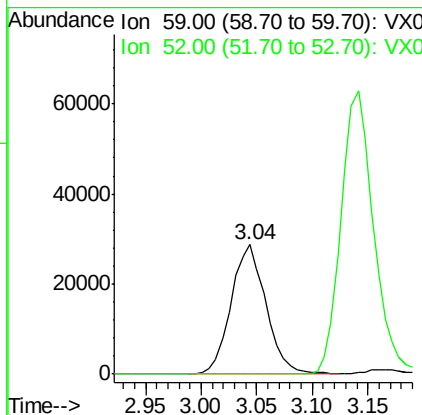
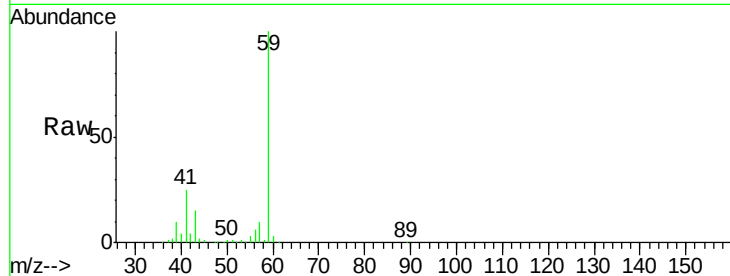
tert-Butyl Alcohol
Concen: 94.482 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.00 min
Lab File: VX009368.D
Acq: 07 May 2019 10:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	59	52	Ratio	Lower	Upper
59	100				
52	0.4			0.2	0.2#

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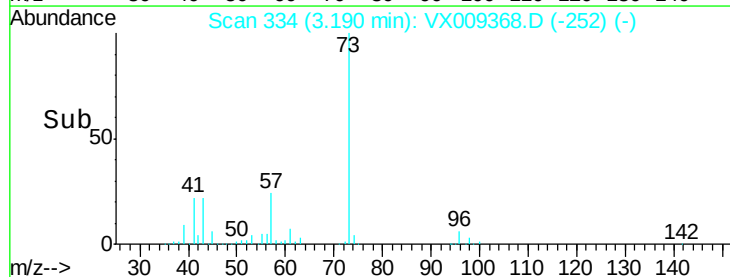
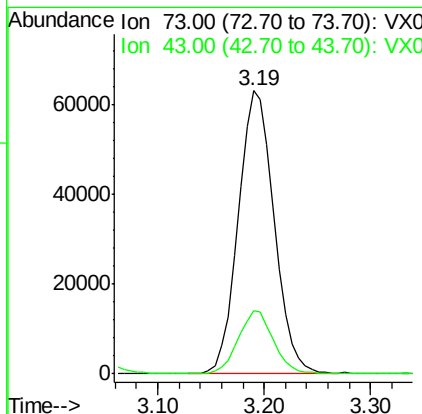
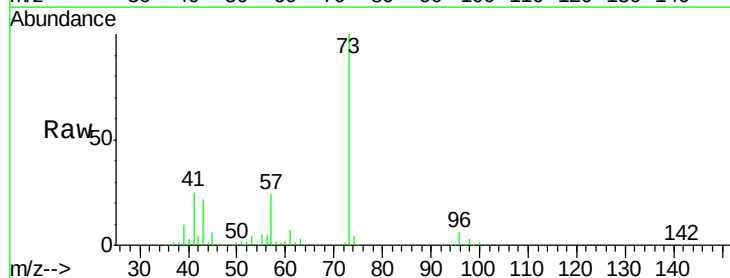
MMDadoda
5/8/2019 10:10:25 AM

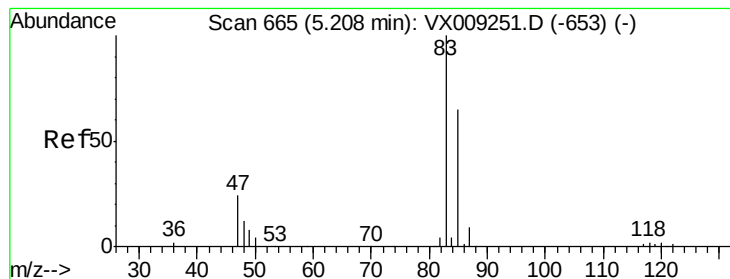


#24

Methyl tert-Butyl Ether
Concen: 19.910 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.00 min
Lab File: VX009368.D
Acq: 07 May 2019 10:18

Tgt Ion	73	43	Ratio	Lower	Upper
73	100				
43	21.4			17.6	26.4





#25

Chloroform

Concen: 20.065 ug/l

RT: 5.21 min Scan# 665

Delta R.T. -0.00 min

Lab File: VX009368.D

Acq: 07 May 2019 10:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 83 Resp: 80332

Ion Ratio Lower Upper

83 100

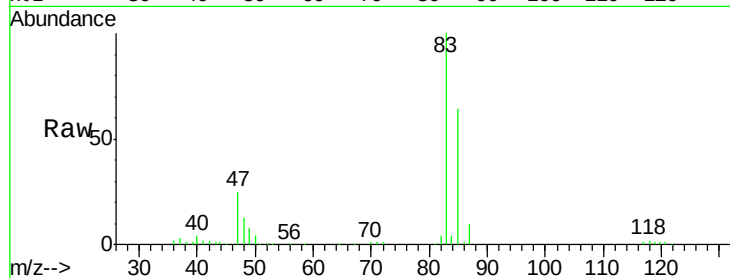
85 63.6 51.9 77.9

Manual Integrations

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MMDadoda

5/8/2019 10:10:25 AM



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

5.21

30000

25000

20000

15000

10000

5000

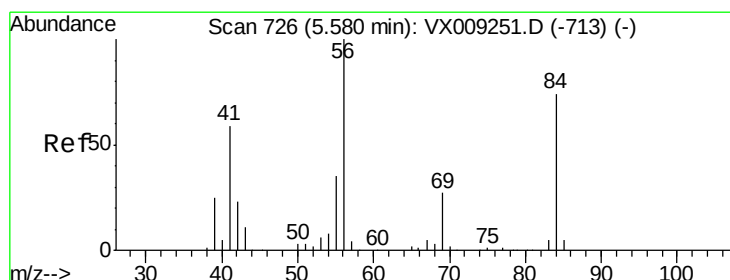
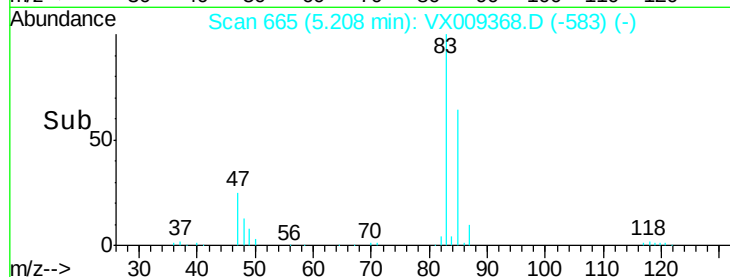
0

Time-->

5.10

5.20

5.30



#26

Cyclohexane

Concen: 19.754 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX009368.D

Acq: 07 May 2019 10:18

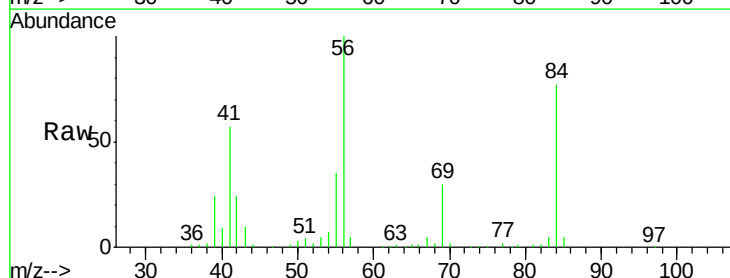
Tgt Ion: 56 Resp: 80772

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 77.6 59.7 89.5



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

40000

30000

20000

10000

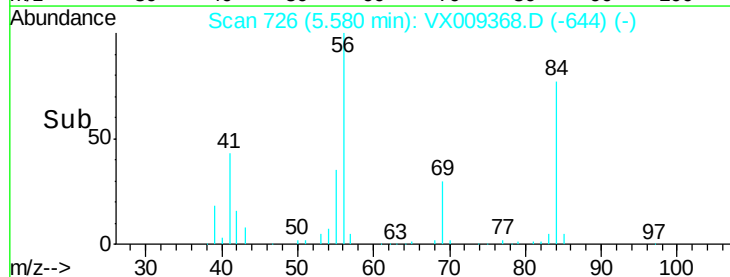
0

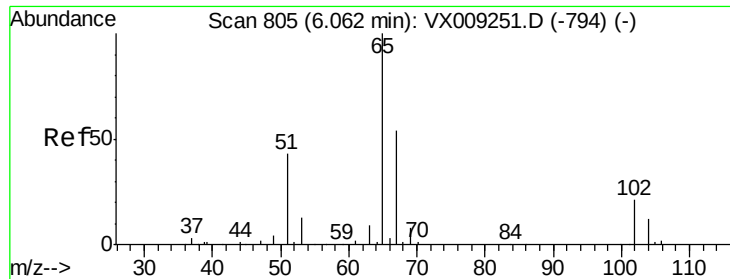
Time-->

5.50

5.60

5.70





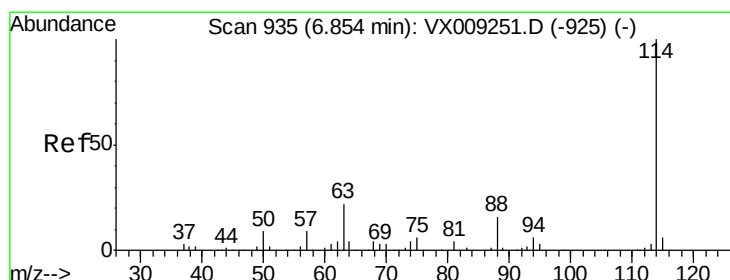
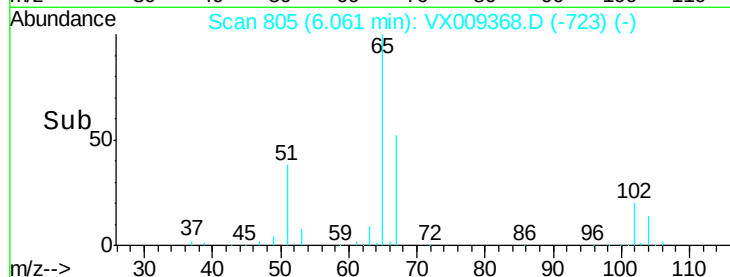
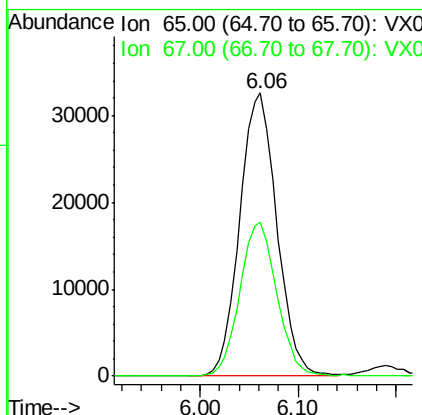
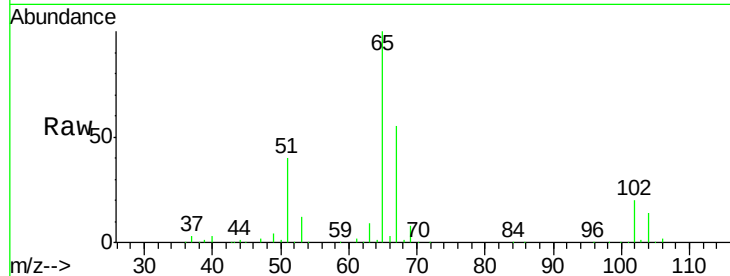
#27
 1,2-Dichloroethane-d4
 Concen: 29.495 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009368.D
 Acq: 07 May 2019 10:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion: 65 Resp: 85776
 Ion Ratio Lower Upper
 65 100
 67 54.2 43.1 64.7

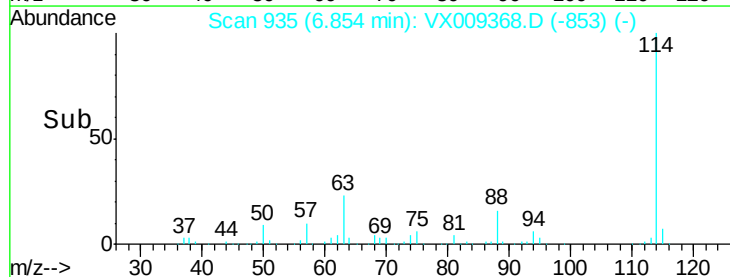
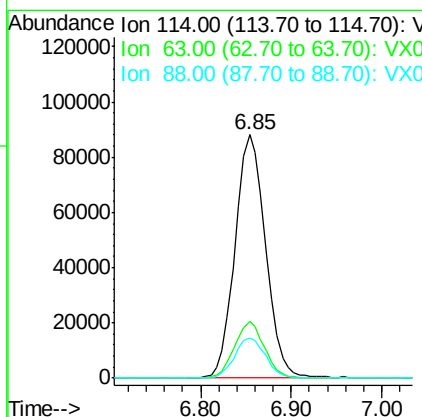
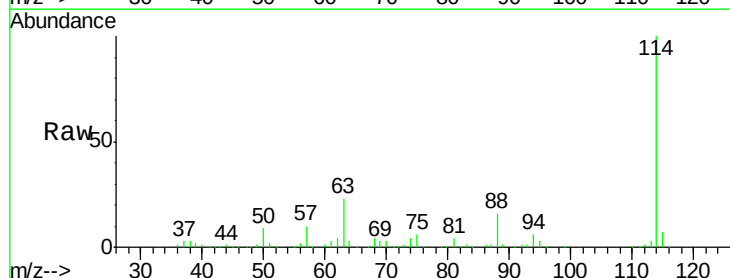
Manual Integrations
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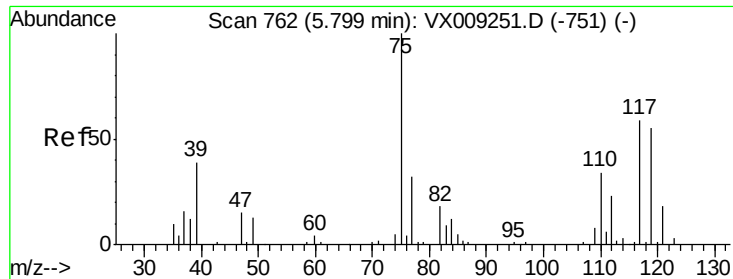
MMDadoda
 5/8/2019 10:10:25 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.00 min
 Lab File: VX009368.D
 Acq: 07 May 2019 10:18

Tgt Ion: 114 Resp: 205769
 Ion Ratio Lower Upper
 114 100
 63 22.9 18.0 27.0
 88 16.8 13.4 20.0





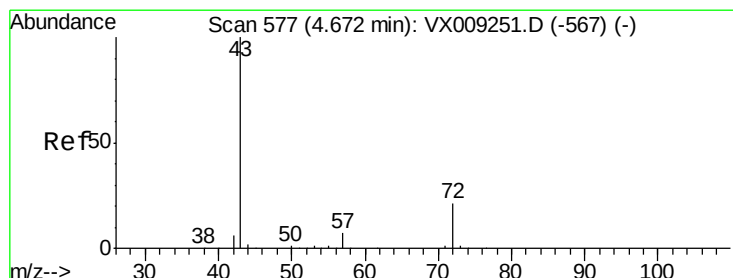
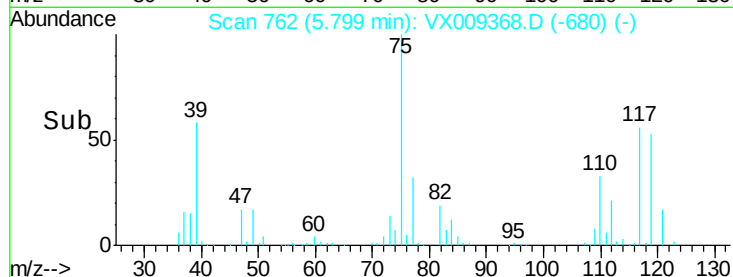
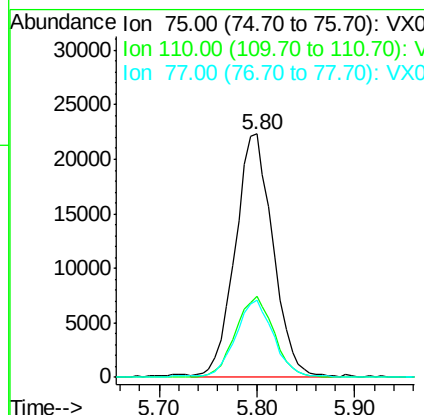
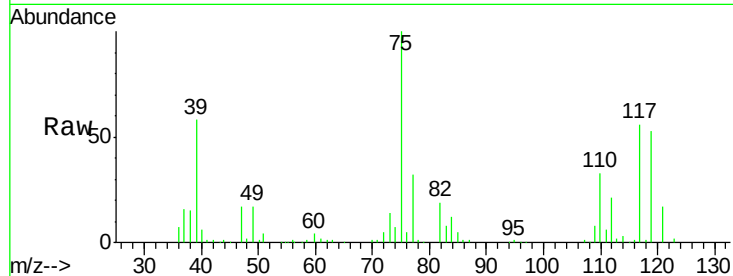
#29
 1,1-Dichloropropene
 Concen: 19.713 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX009368.D
 Acq: 07 May 2019 10:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
110	34.1	0.0	66.4
77	31.7	0.0	62.2

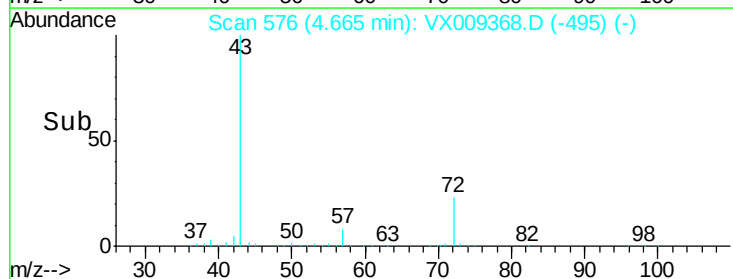
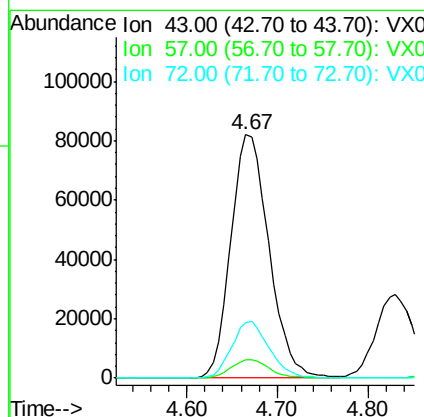
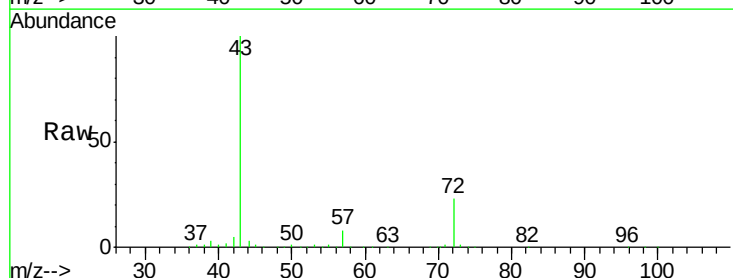
Manual Integrations
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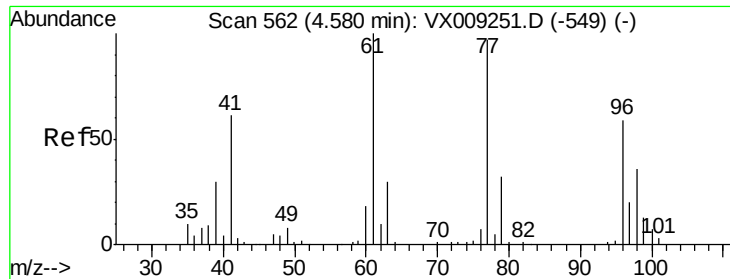
MMDadoda
 5/8/2019 10:10:25 AM



#30
 2-Butanone
 Concen: 100.481 ug/l
 RT: 4.67 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: VX009368.D
 Acq: 07 May 2019 10:18

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.7	6.0	9.0
72	23.1	18.2	27.4





#31

2,2-Dichloropropane

Concen: 19.968 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX009368.D

Acq: 07 May 2019 10:18

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC020

Tot Ion: 77 Resp: 66464

Ion Ratio Lower Upper

77 100

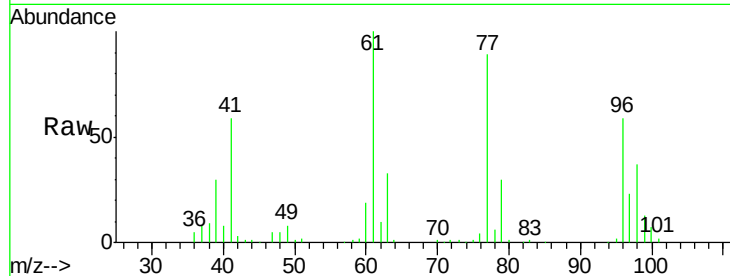
97 24.0 18.3 27.5

Manual Integrations

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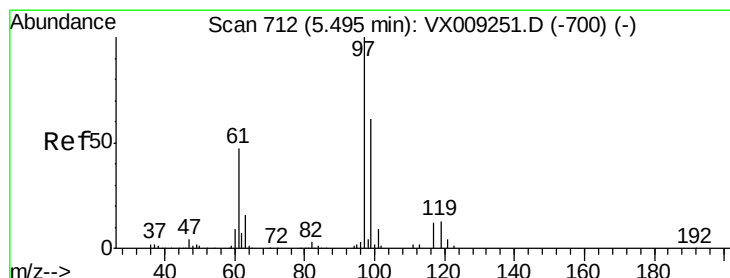
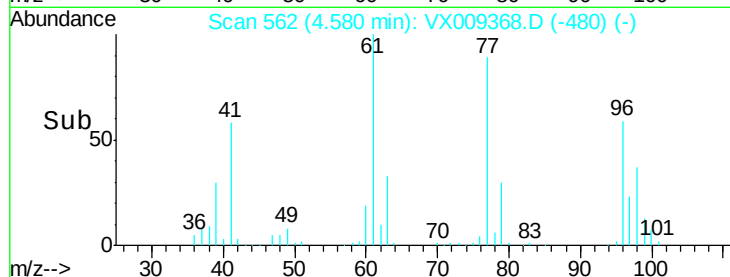
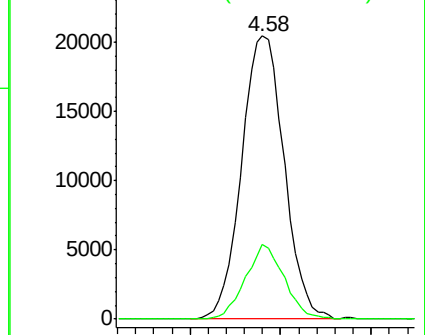
MMDadoda

5/8/2019 10:10:25 AM



Abundance Ion 77.00 (76.70 to 77.70): VX0

Ion 97.00 (96.70 to 97.70): VX0



#32

1,1,1-Trichloroethane

Concen: 20.136 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX009368.D

Acq: 07 May 2019 10:18

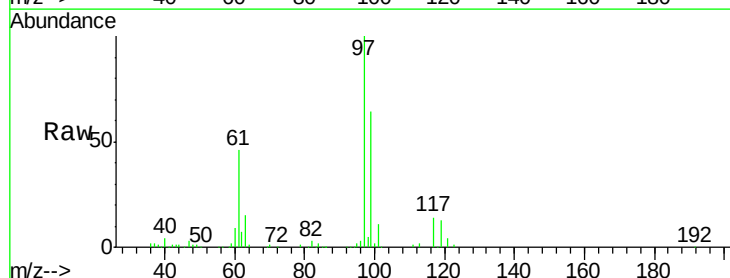
Tgt Ion: 97 Resp: 65907

Ion Ratio Lower Upper

97 100

99 65.0 53.9 80.9

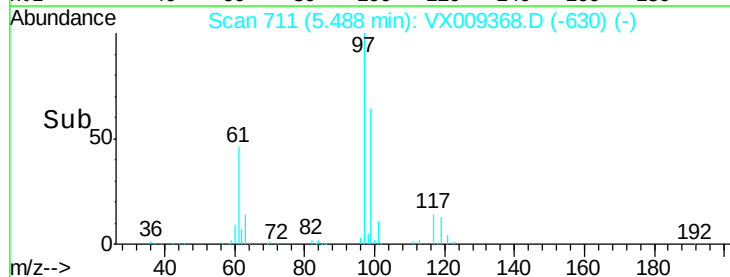
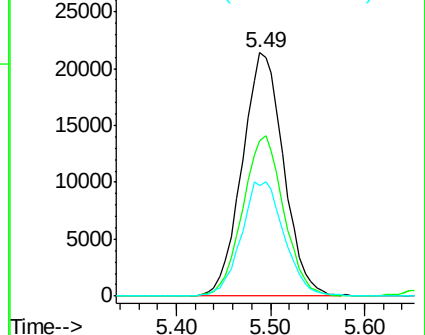
61 48.6 38.6 58.0

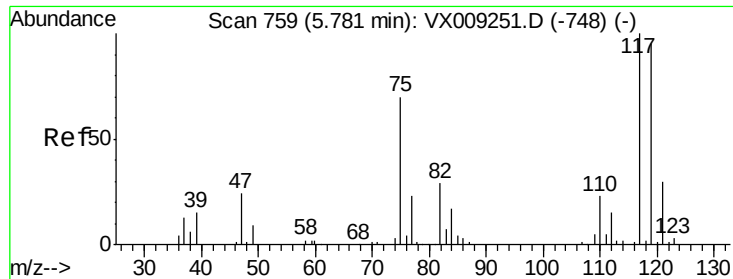


Abundance Ion 97.00 (96.70 to 97.70): VX0

Ion 99.00 (98.70 to 99.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





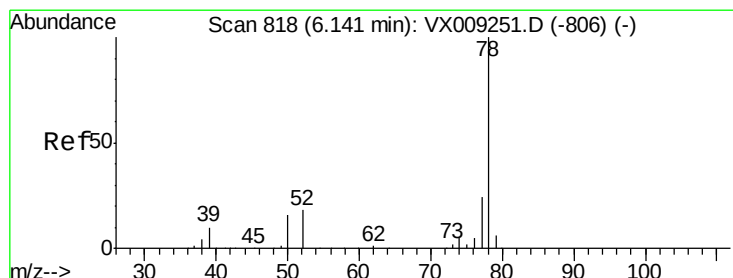
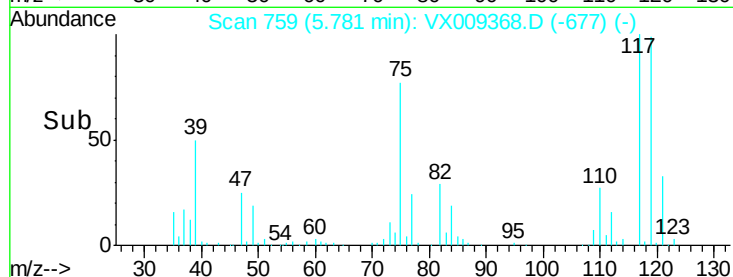
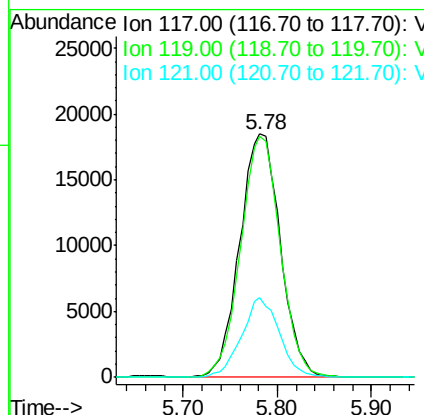
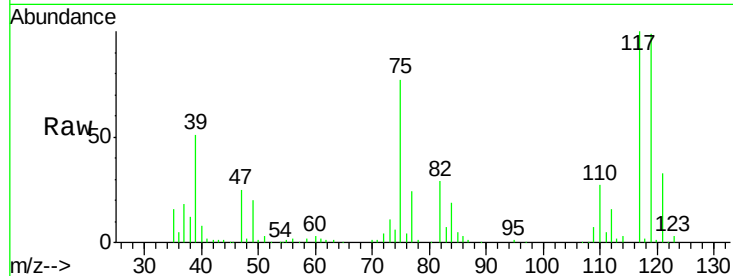
#33
Carbon Tetrachloride
Concen: 20.286 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX009368.D
Acq: 07 May 2019 10:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	98.7	76.1	114.1
121	32.5	24.4	36.6

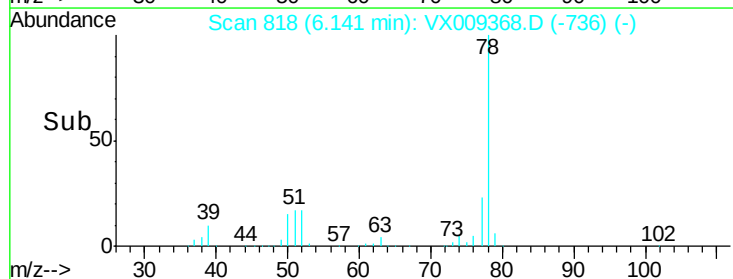
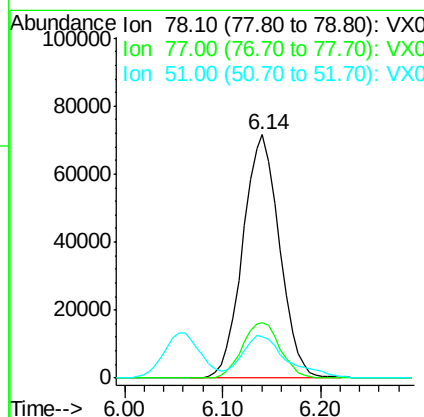
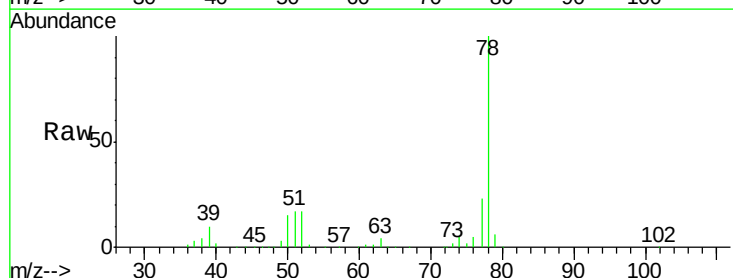
Manual Integrations
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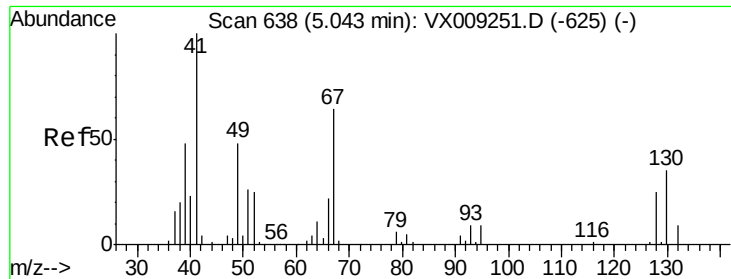
MMDadoda
5/8/2019 10:10:25 AM



#34
Benzene
Concen: 20.074 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009368.D
Acq: 07 May 2019 10:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.8	28.2
51	15.9	13.5	20.3





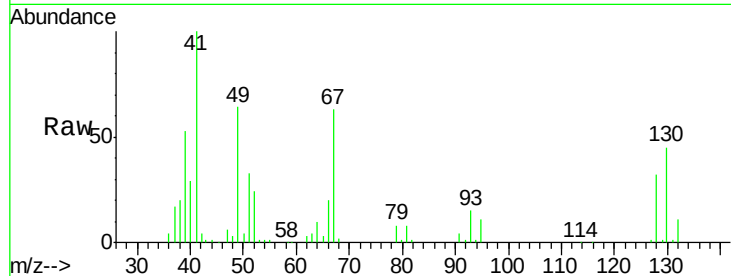
#35
Methacrylonitrile
Concen: 19.841 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX009368.D
Acq: 07 May 2019 10:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

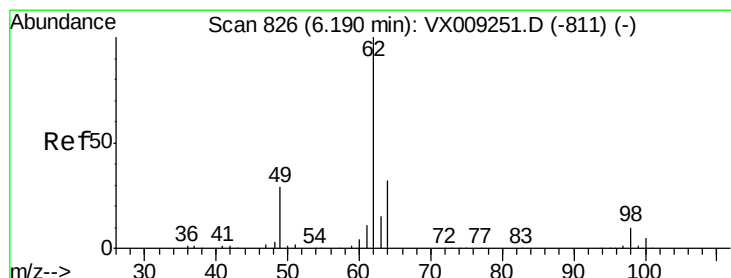
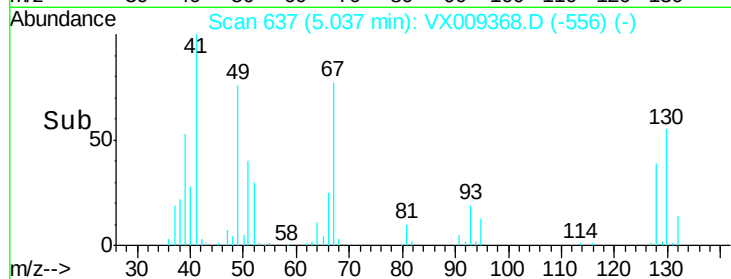
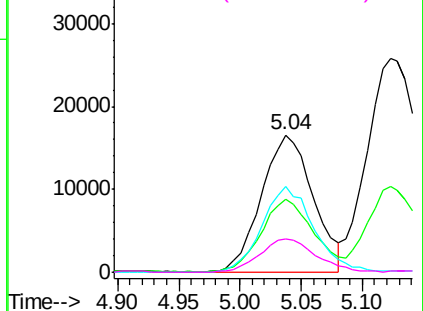
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.3	24.1	72.3	
67	62.7	32.2	96.6	
52	23.9	12.4	37.4	

Manual Integrations
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5/8/2019 10:10:25 AM

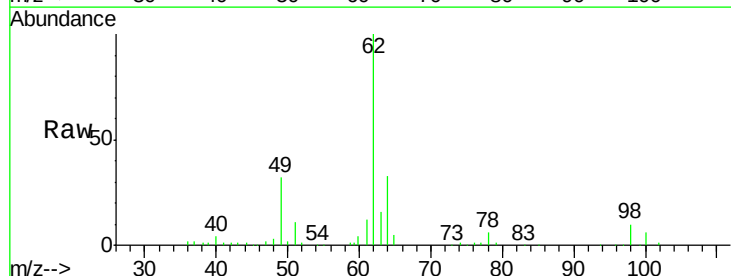


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

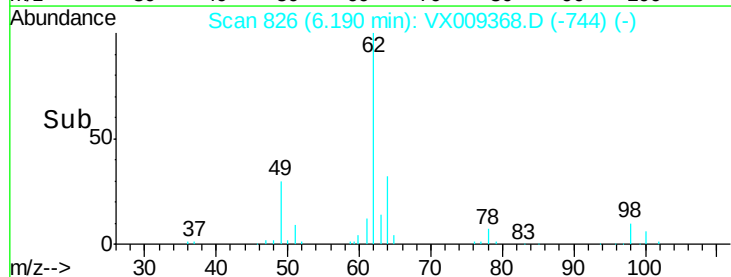
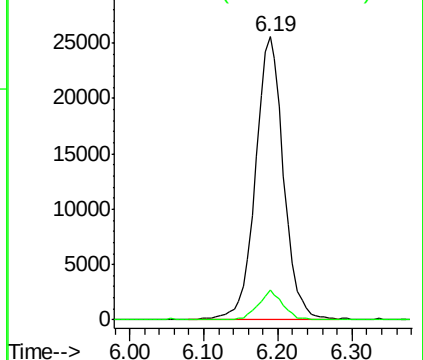


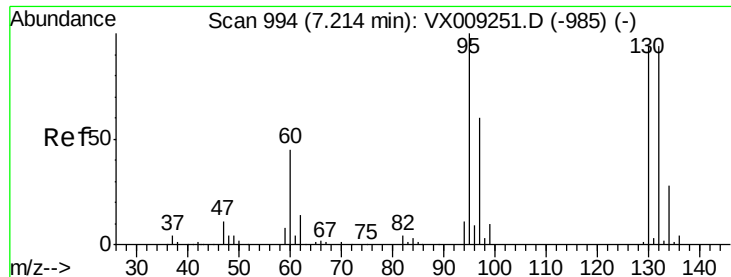
#36
1,2-Dichloroethane
Concen: 19.986 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX009368.D
Acq: 07 May 2019 10:18

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.1	7.4	11.2	



Abundance Ion 62.00 (61.70 to 62.70): VX0
Ion 98.00 (97.70 to 98.70): VX0





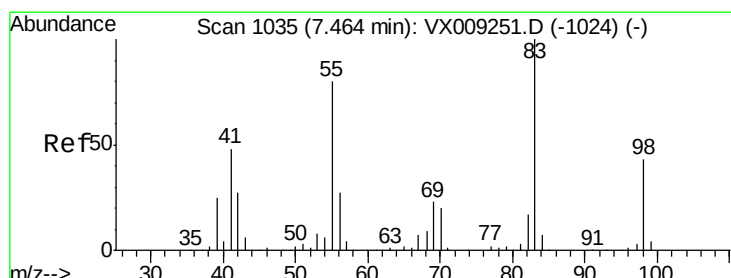
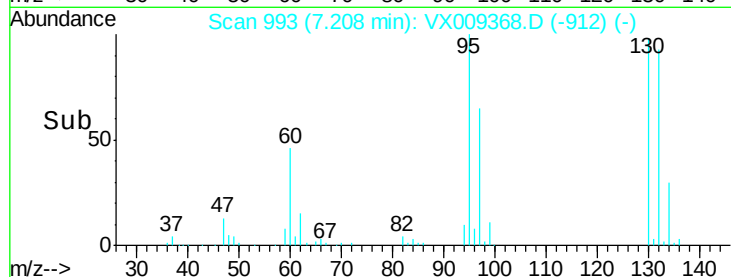
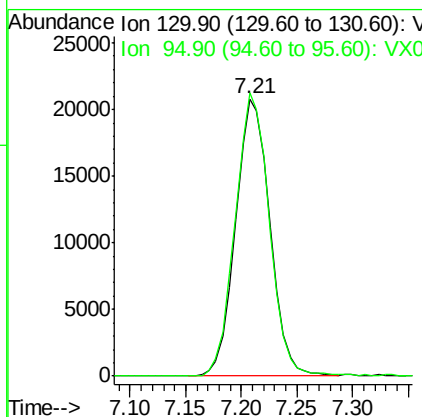
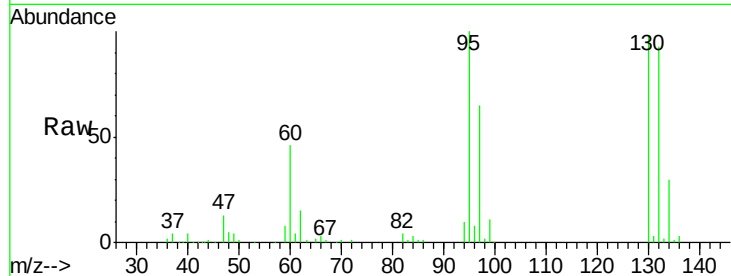
#37
 Trichloroethene
 Concen: 19.876 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX009368.D
 Acq: 07 May 2019 10:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion:130 Resp: 44538
 Ion Ratio Lower Upper
 130 100
 95 102.0 85.0 127.4

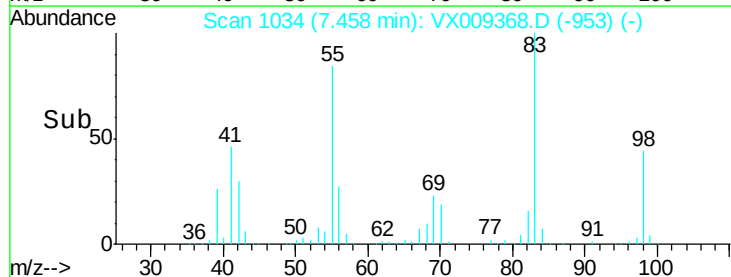
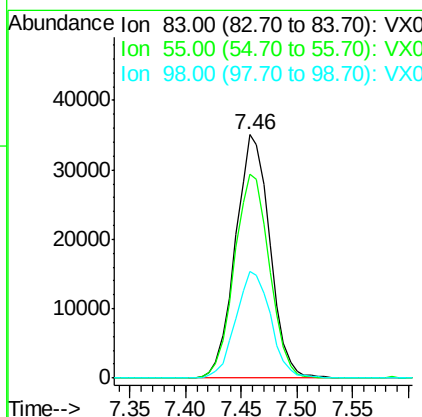
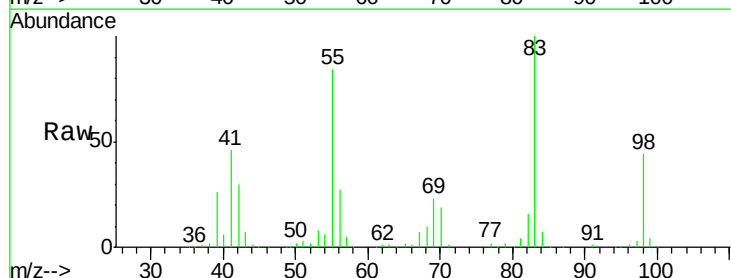
Manual Integrations
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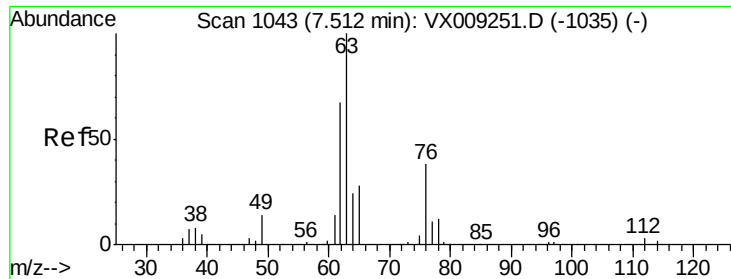
MMDadoda
 5/8/2019 10:10:25 AM



#38
 Methylcyclohexane
 Concen: 20.186 ug/l
 RT: 7.46 min Scan# 1034
 Delta R.T. -0.01 min
 Lab File: VX009368.D
 Acq: 07 May 2019 10:18

Tgt Ion: 83 Resp: 75300
 Ion Ratio Lower Upper
 83 100
 55 85.5 43.0 129.2
 98 44.5 22.1 66.1





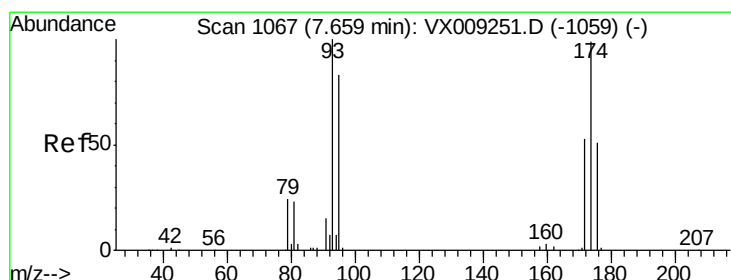
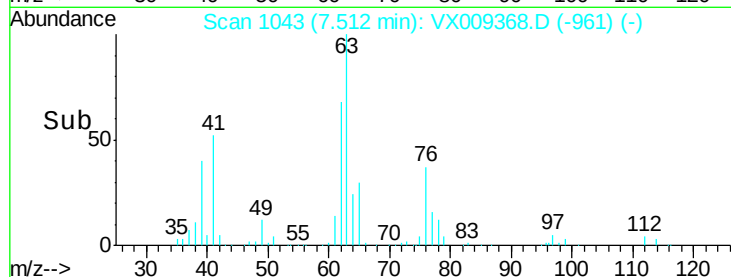
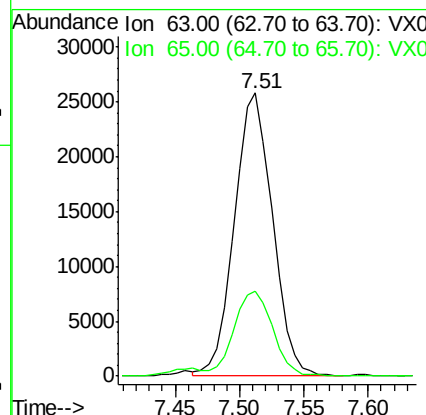
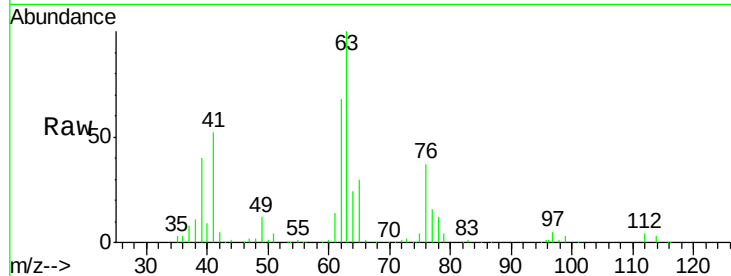
#39
 1,2-Dichloropropane
 Concen: 20.107 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX009368.D
 Acq: 07 May 2019 10:18

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC020

Tot Ion: 63 Resp: 53298
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.0 36.0

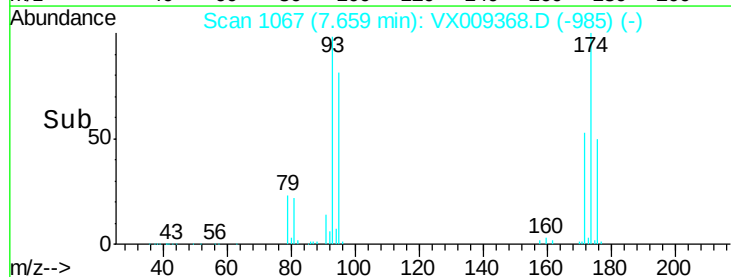
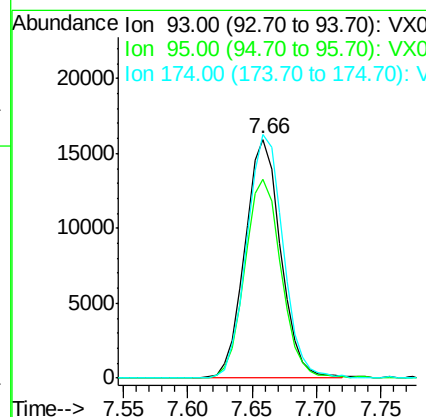
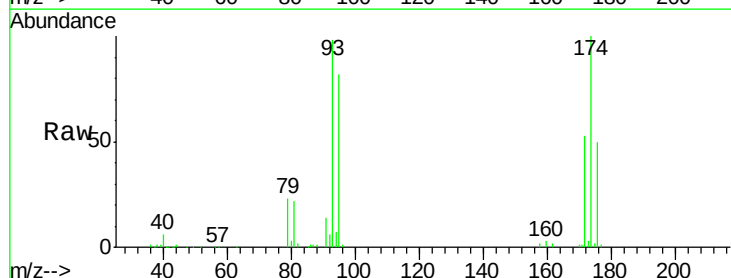
Manual Integrations
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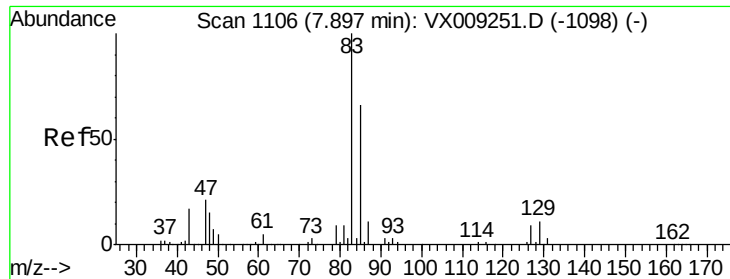
MMDadoda
 5/8/2019 10:10:25 AM



#40
 Dibromomethane
 Concen: 20.305 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX009368.D
 Acq: 07 May 2019 10:18

Tgt Ion: 93 Resp: 30549
 Ion Ratio Lower Upper
 93 100
 95 84.5 0.0 167.2
 174 103.5 0.0 203.4





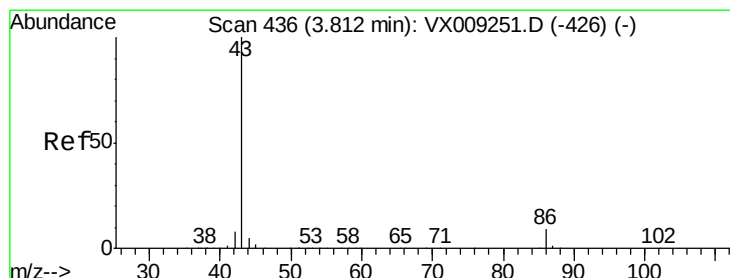
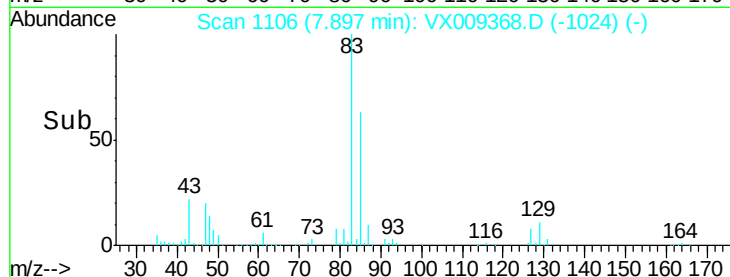
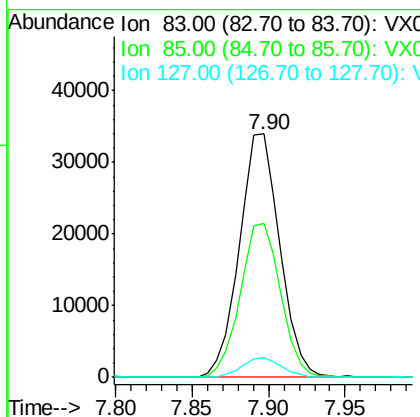
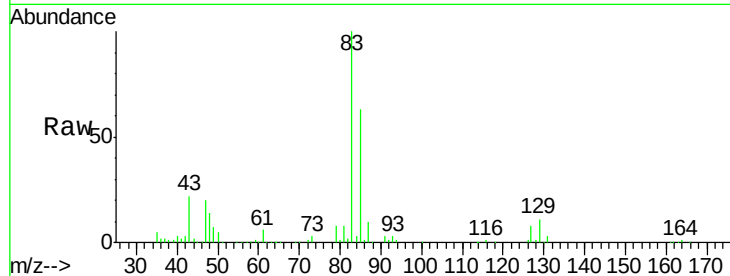
#41
 Bromodichloromethane
 Concen: 20.327 ug/l
 RT: 7.90 min Scan# 1106
 Delta R.T. -0.00 min
 Lab File: VX009368.D
 Acq: 07 May 2019 10:18

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC020

Tot Ion	83	Resp	62469
Ion Ratio	100	Lower	Upper
83	100		
85	63.1	52.6	79.0
127	8.1	6.9	10.3

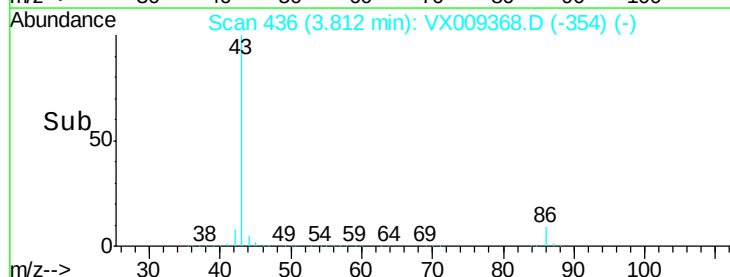
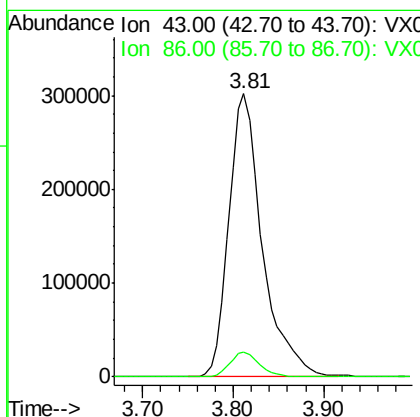
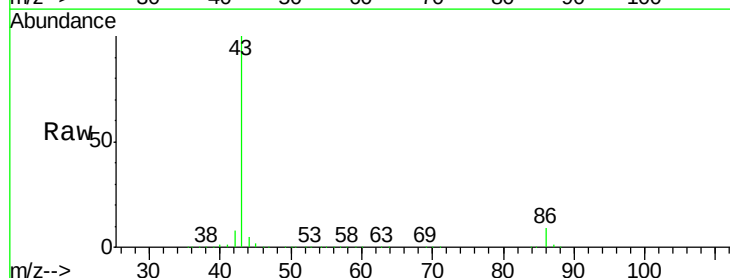
Manual Integrations
 APPROVED

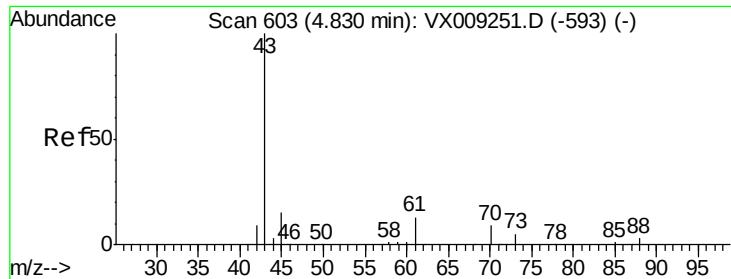
MMDadoda
 5/8/2019 10:10:25 AM



#42
 Vinyl Acetate
 Concen: 99.483 ug/l
 RT: 3.81 min Scan# 436
 Delta R.T. -0.00 min
 Lab File: VX009368.D
 Acq: 07 May 2019 10:18

Tgt Ion	43	Resp	776378
Ion Ratio	100	Lower	Upper
43	100		
86	7.8	6.0	9.0





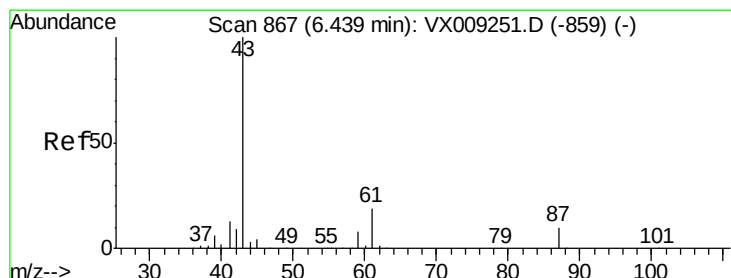
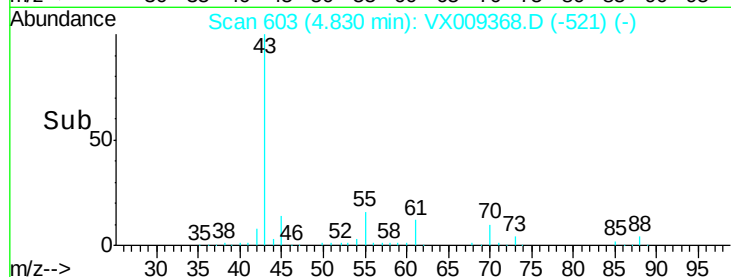
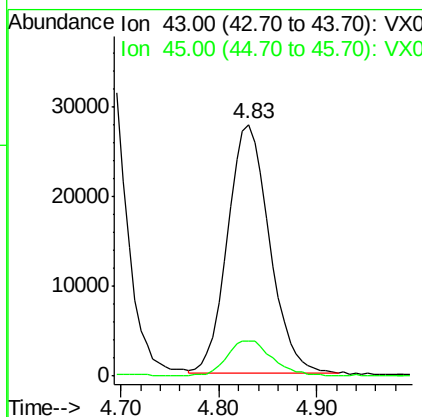
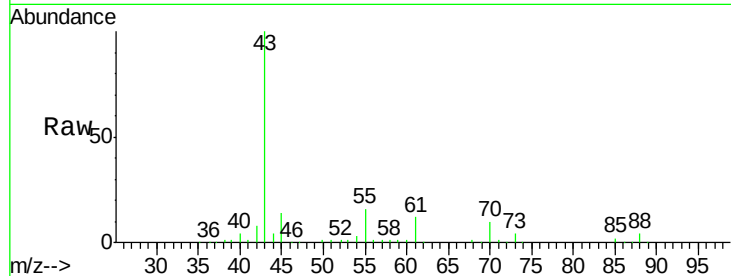
#43
Ethyl Acetate
Concen: 19.192 ug/l
RT: 4.83 min Scan# 603
Delta R.T. 0.00 min
Lab File: VX009368.D
Acq: 07 May 2019 10:18

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC020

Tot Ion: 43 Resp: 82003
Ion Ratio Lower Upper
43 100
45 15.5 11.8 17.8

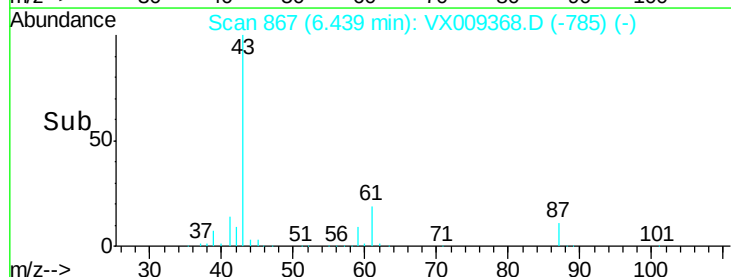
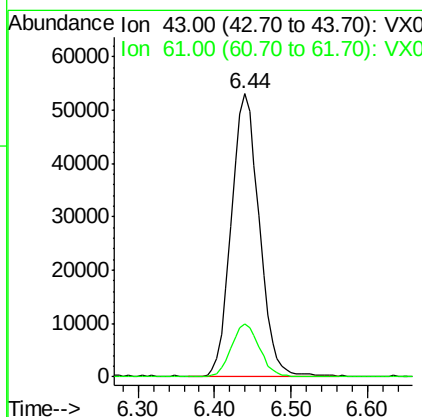
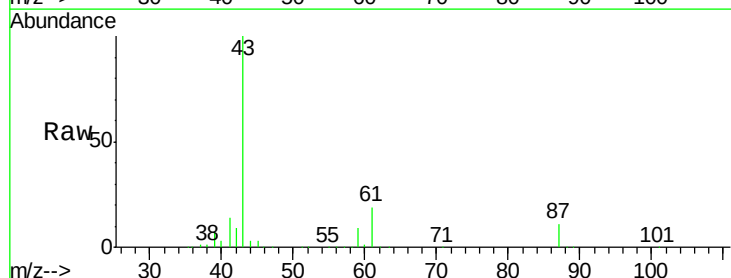
Manual Integrations
APPROVED

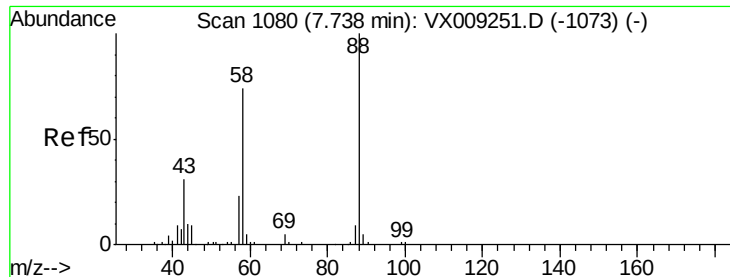
MMDadoda
5/8/2019 10:10:25 AM



#44
Isopropyl Acetate
Concen: 19.336 ug/l
RT: 6.44 min Scan# 867
Delta R.T. 0.00 min
Lab File: VX009368.D
Acq: 07 May 2019 10:18

Tgt Ion: 43 Resp: 133839
Ion Ratio Lower Upper
43 100
61 18.9 15.4 23.2





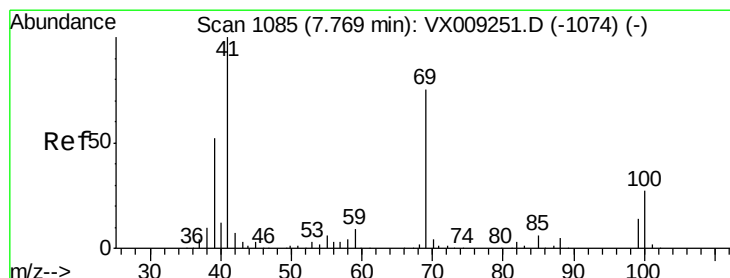
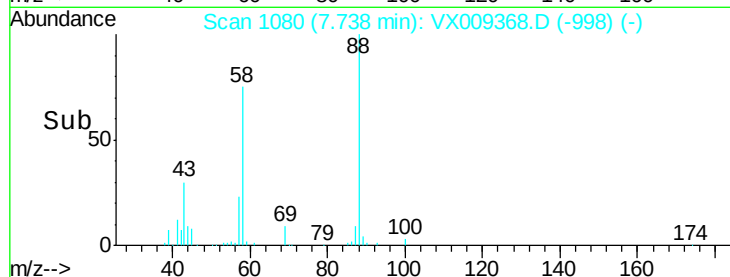
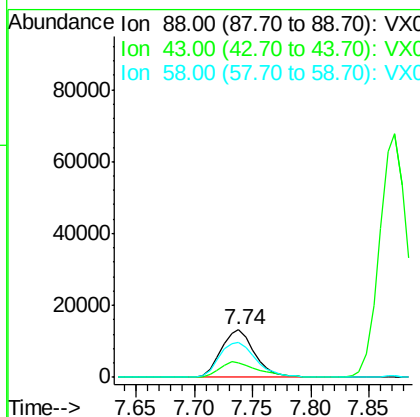
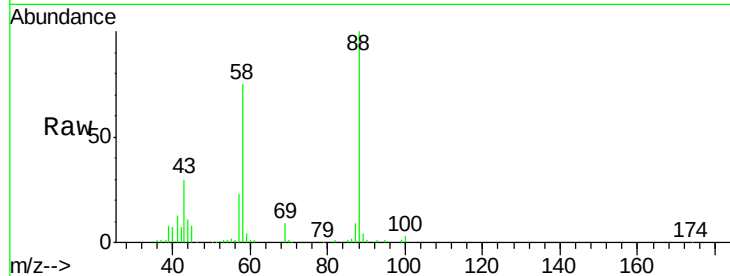
#45
 1,4-Dioxane
 Concen: 393.436 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. -0.00 min
 Lab File: VX009368.D
 Acq: 07 May 2019 10:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.3	28.5	42.7
58	79.4	62.5	93.7

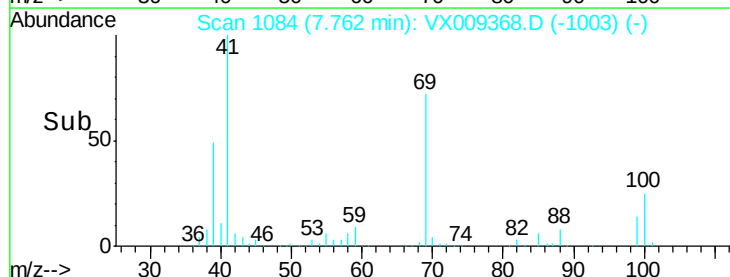
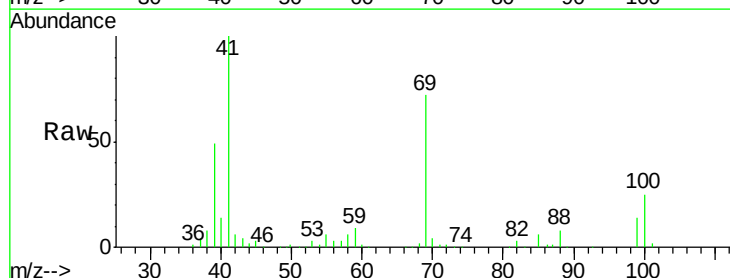
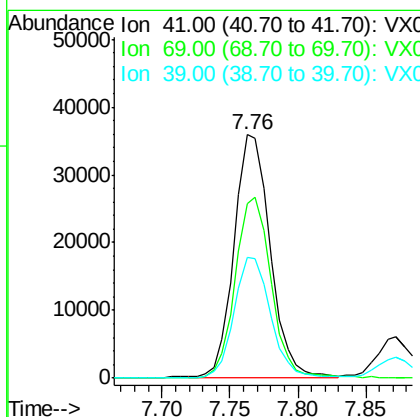
Manual Integrations
 APPROVED

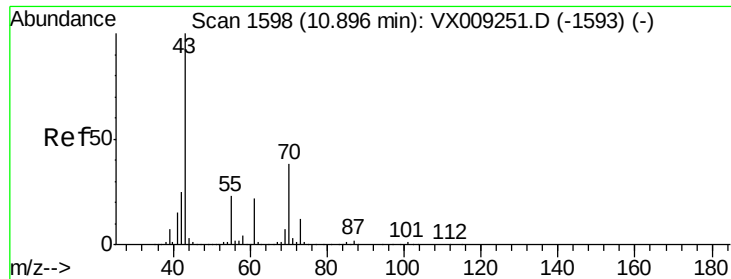
MMDadoda
 5/8/2019 10:10:25 AM



#46
 Methyl methacrylate
 Concen: 19.251 ug/l
 RT: 7.76 min Scan# 1084
 Delta R.T. -0.01 min
 Lab File: VX009368.D
 Acq: 07 May 2019 10:18

Tgt Ion	Ratio	Lower	Upper
41	100		
69	72.0	37.6	112.8
39	49.2	25.8	77.3





#47

n-amvl Acetate

Concen: 19.272 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009368.D

Acq: 07 May 2019 10:18

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC020

Tot Ion: 43 Resp: 120170

Ion Ratio Lower Upper

43 100

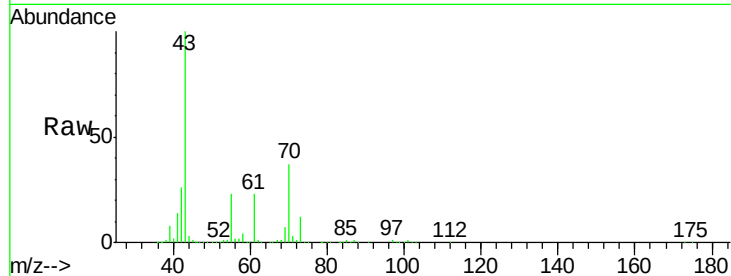
55 22.4 18.2 27.4

Manual Integrations

APPROVED

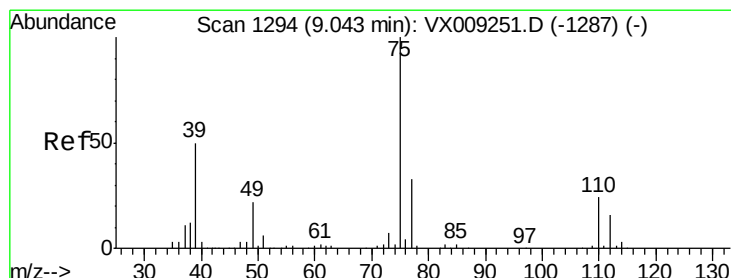
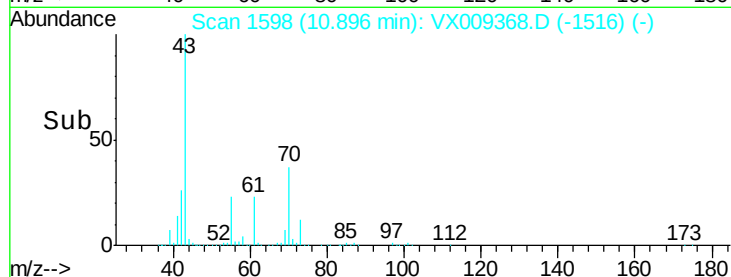
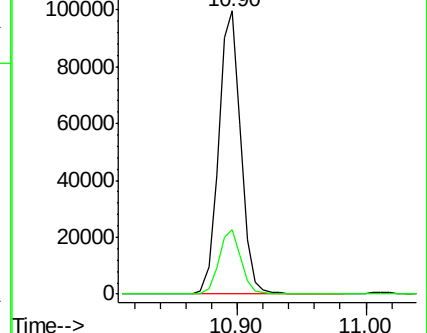
MMDadoda

5/8/2019 10:10:25 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#48

t-1,3-Dichloropropene

Concen: 19.524 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VX009368.D

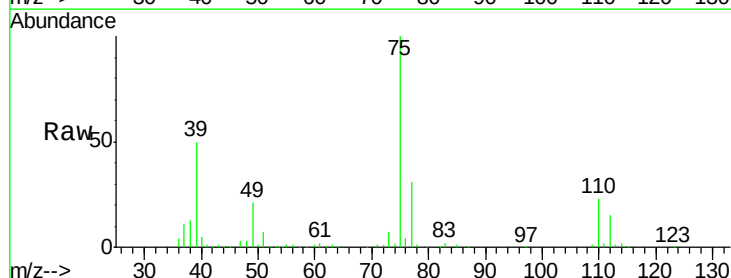
Acq: 07 May 2019 10:18

Tgt Ion: 75 Resp: 70007

Ion Ratio Lower Upper

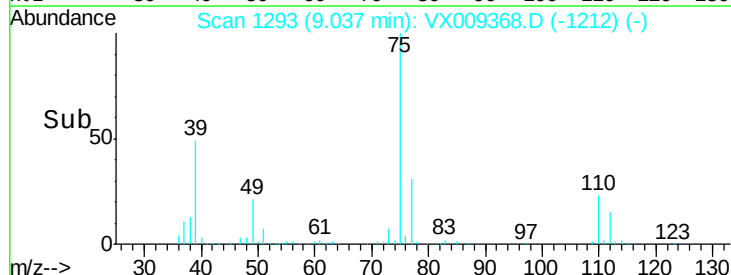
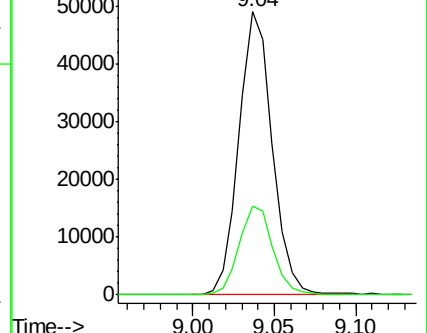
75 100

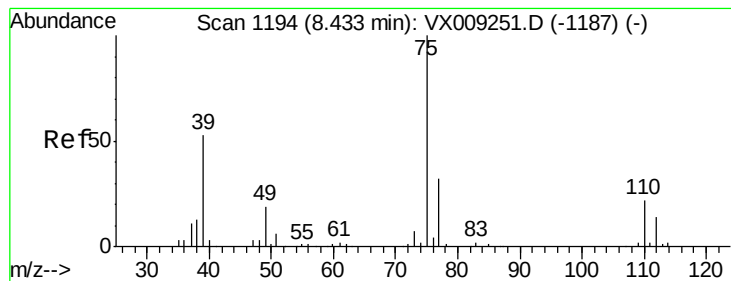
77 31.2 26.5 39.7



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#49

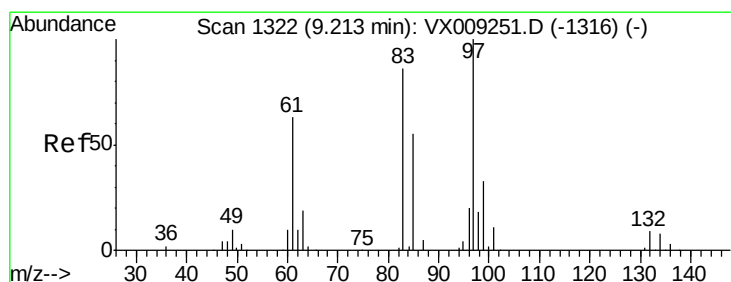
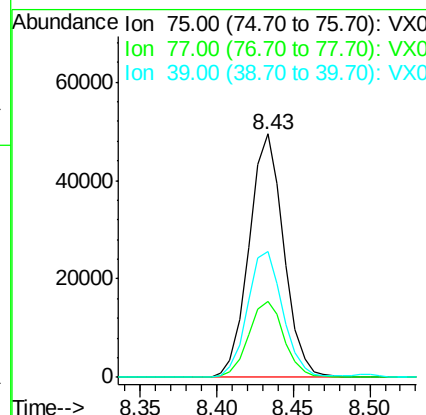
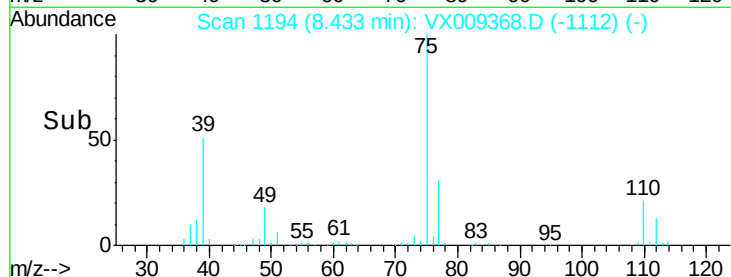
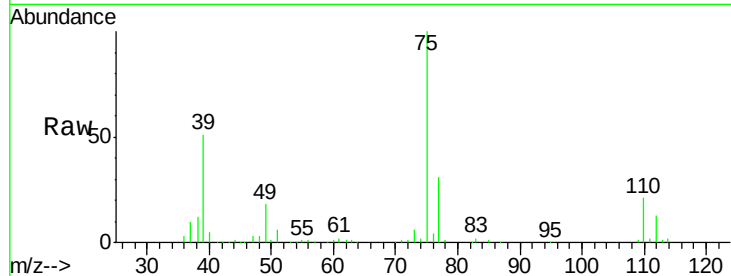
cis-1,3-Dichloropropene
Concen: 19.792 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX009368.D
Acq: 07 May 2019 10:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	26.0	39.0
39	51.3	42.6	63.8

Manual Integrations
APPROVED

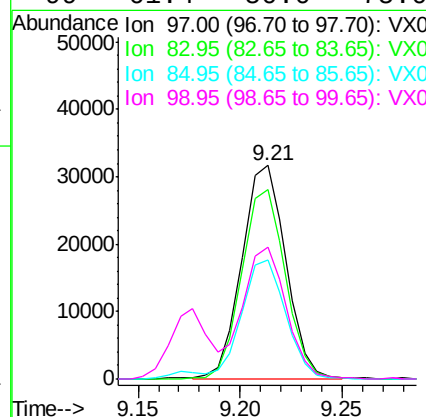
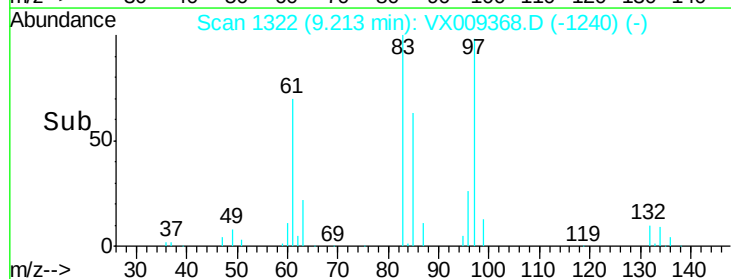
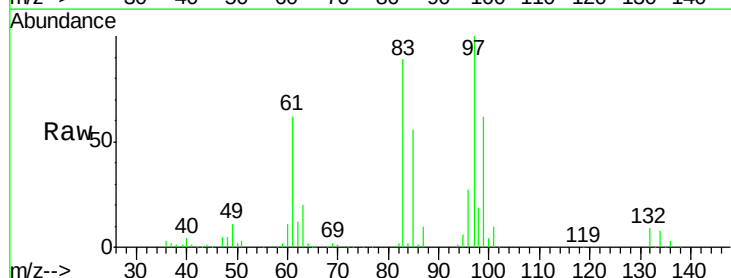
MMDadoda
5/8/2019 10:10:25 AM

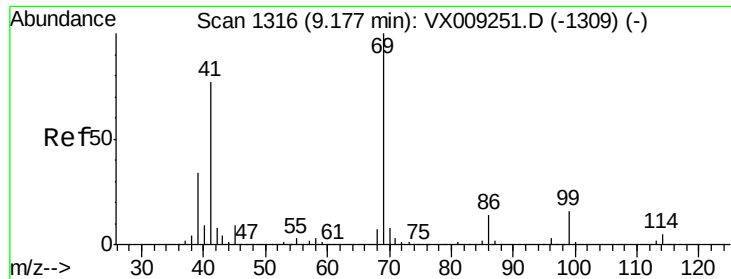


#50

1,1,2-Trichloroethane
Concen: 20.624 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VX009368.D
Acq: 07 May 2019 10:18

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.6	68.8	103.2
85	55.6	45.8	68.6
99	61.4	50.0	75.0





#51

Ethyl methacrylate

Concen: 19.447 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX009368.D

Acq: 07 May 2019 10:18

Instrument :

MSVOA_X

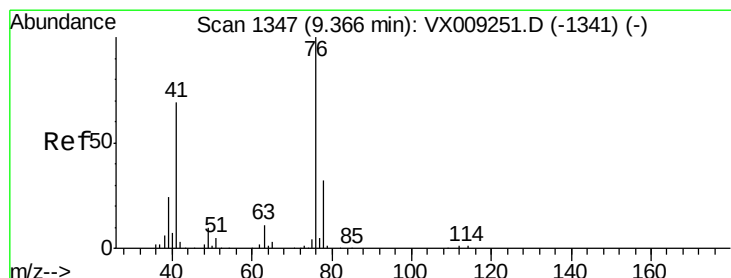
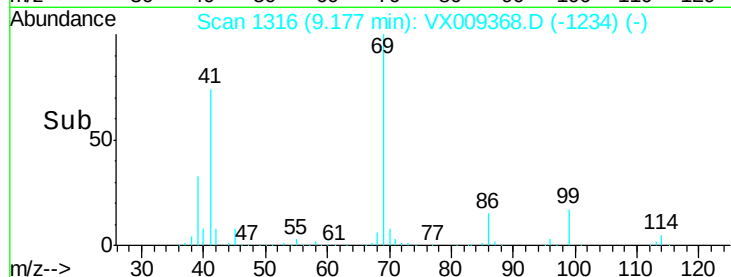
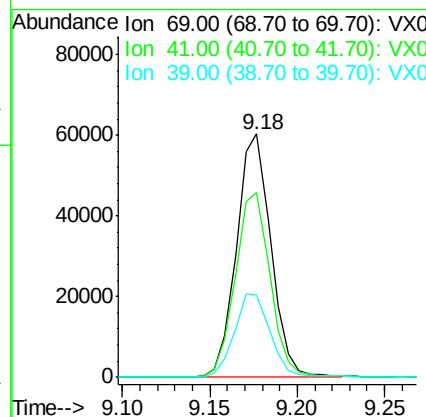
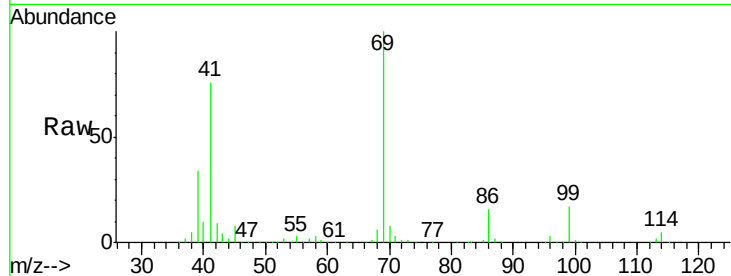
ClientSampled :

VSTDCCC020

Tot Ion:	69	Resp:	82837
Ion Ratio	Lower	Upper	
69	100		
41	75.5	38.4	115.2
39	33.8	17.2	51.5

Manual Integrations
APPROVED

MMDadoda
5/8/2019 10:10:25 AM



#52

1,3-Dichloropropane

Concen: 20.215 ug/l

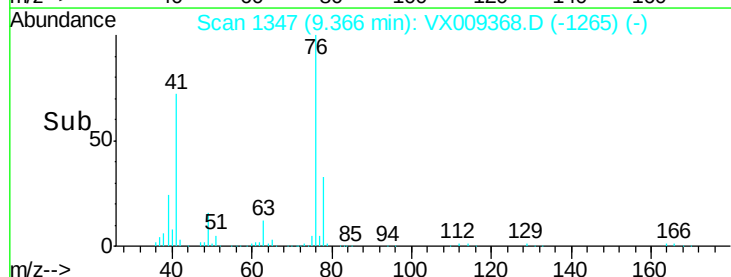
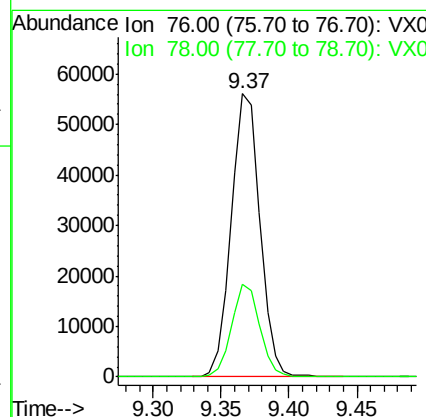
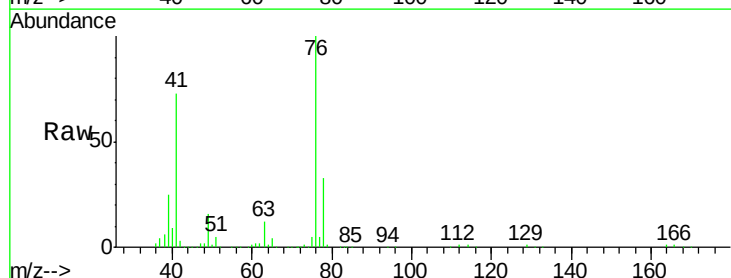
RT: 9.37 min Scan# 1347

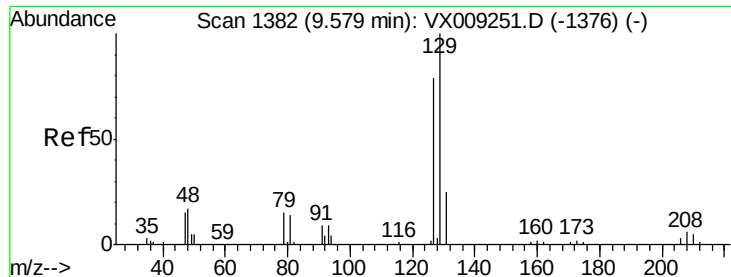
Delta R.T. -0.00 min

Lab File: VX009368.D

Acq: 07 May 2019 10:18

Tgt Ion:	76	Resp:	82695
Ion Ratio	Lower	Upper	
76	100		
78	32.0	0.0	64.2





#53

Dibromochloromethane

Concen: 20.503 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX009368.D

Acq: 07 May 2019 10:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion:129 Resp: 47067

Ion Ratio Lower Upper

129 100

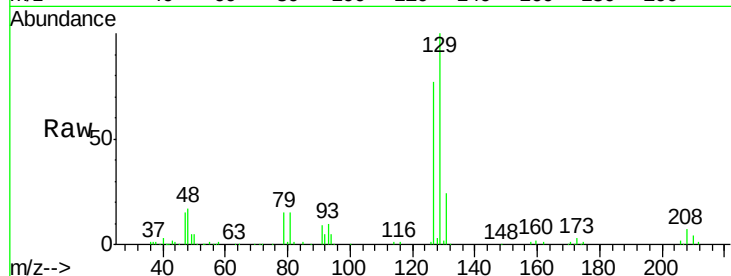
127 76.1 39.1 117.5

Manual Integrations

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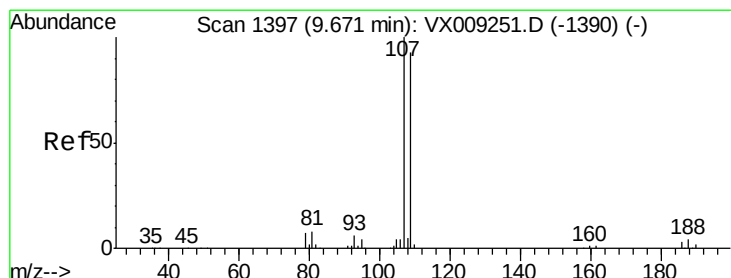
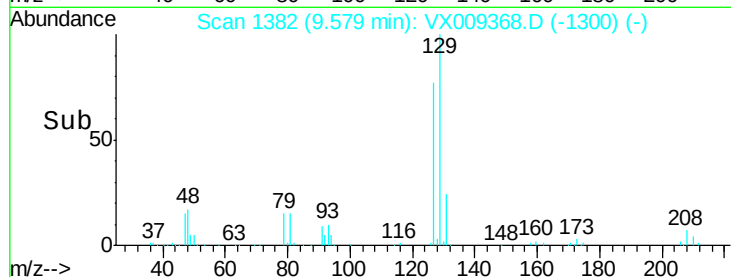
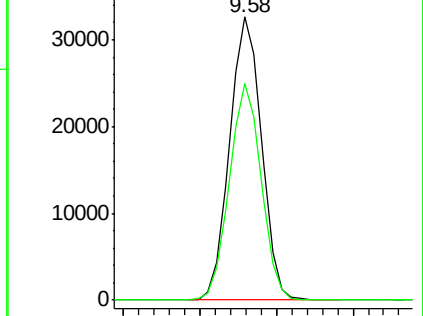
MMDadoda

5/8/2019 10:10:25 AM



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.930 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009368.D

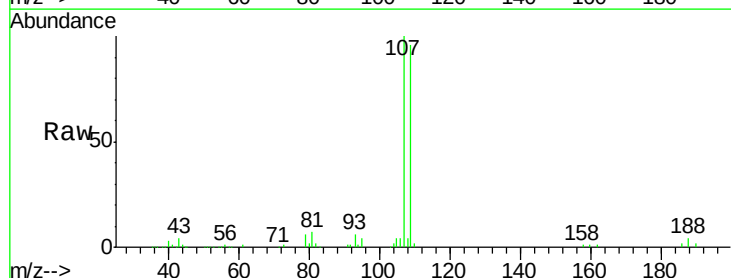
Acq: 07 May 2019 10:18

Tgt Ion:107 Resp: 47116

Ion Ratio Lower Upper

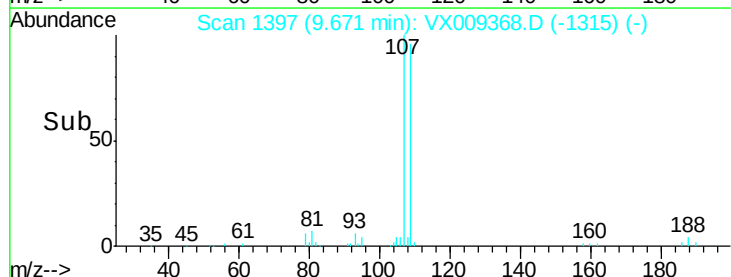
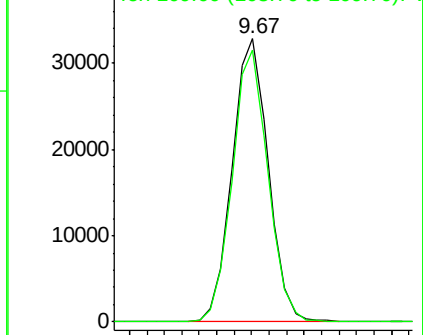
107 100

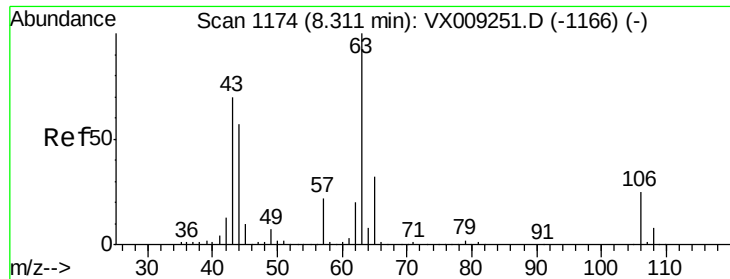
109 95.0 75.5 113.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





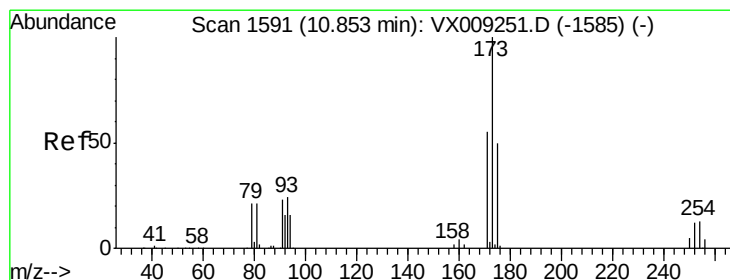
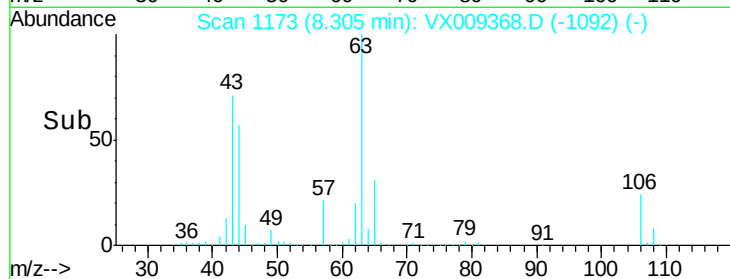
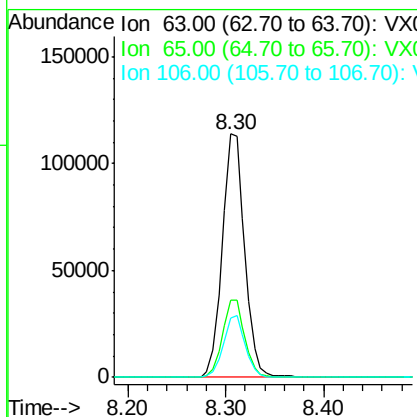
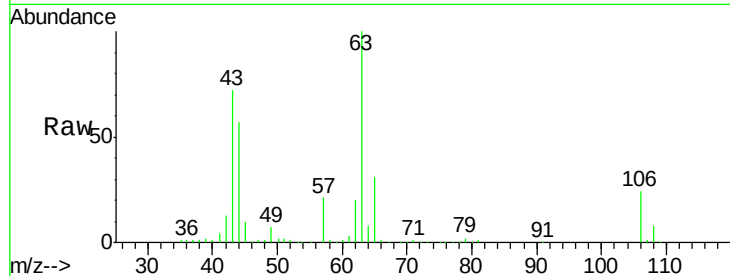
#55
2-Chloroethyl vinyl ether
Concen: 79.606 ug/l
RT: 8.30 min Scan# 1173
Delta R.T. -0.01 min
Lab File: VX009368.D
Acq: 07 May 2019 10:18

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.5	25.8	38.6
106	24.8	19.8	29.6

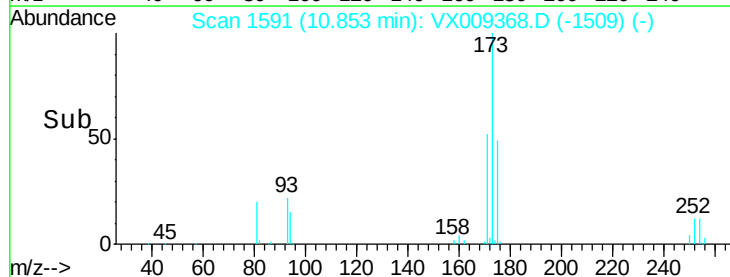
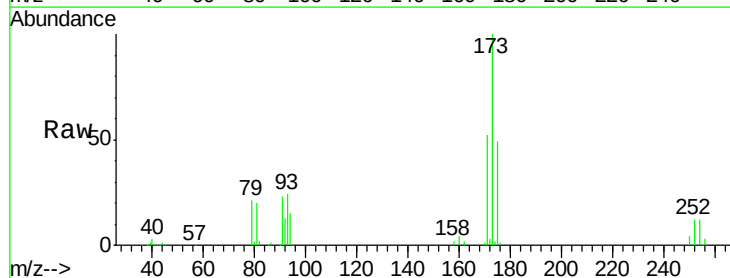
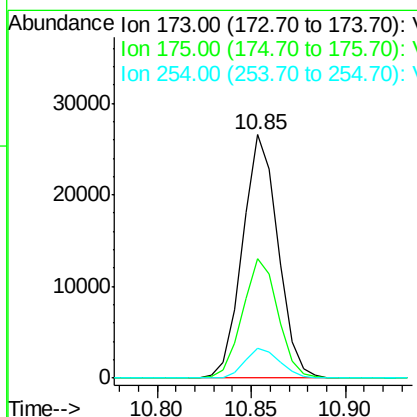
Manual Integrations
APPROVED

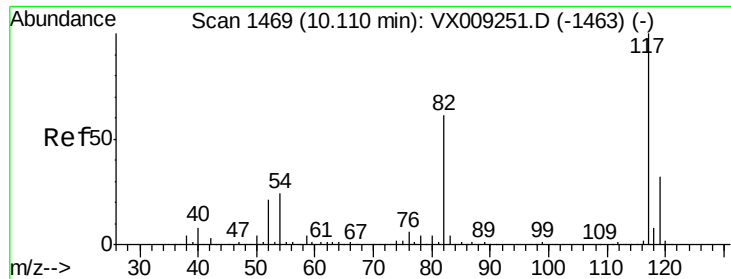
MMDadoda
5/8/2019 10:10:25 AM



#56
Bromoform
Concen: 19.684 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX009368.D
Acq: 07 May 2019 10:18

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.0	39.4	59.2
254	12.0	9.9	14.9





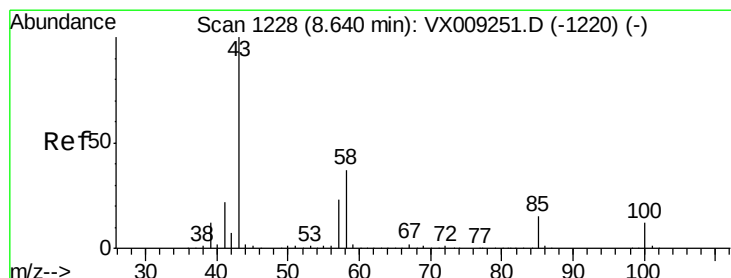
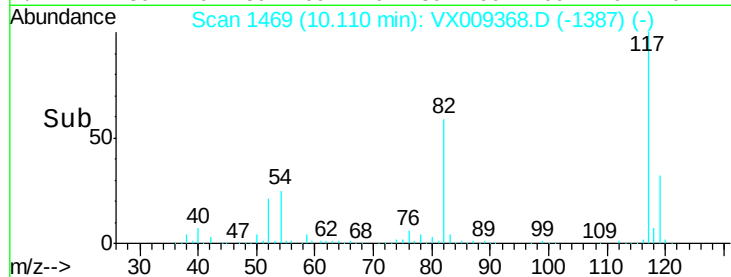
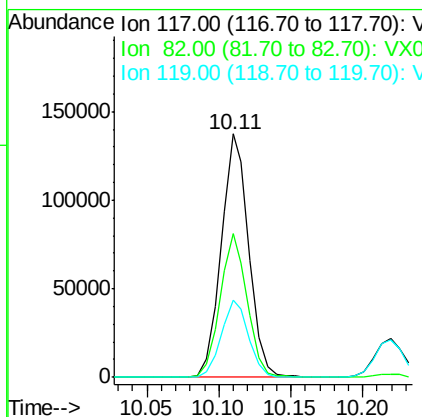
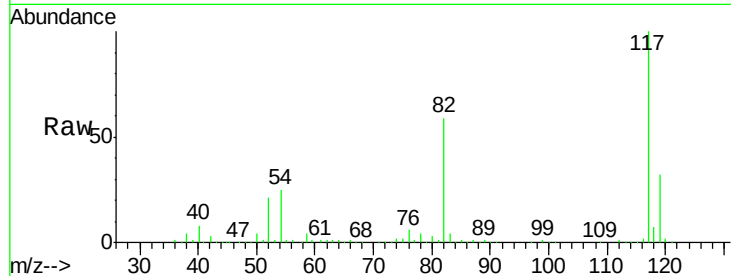
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009368.D
Acq: 07 May 2019 10:18

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.2	47.8	71.8
119	31.6	25.6	38.4

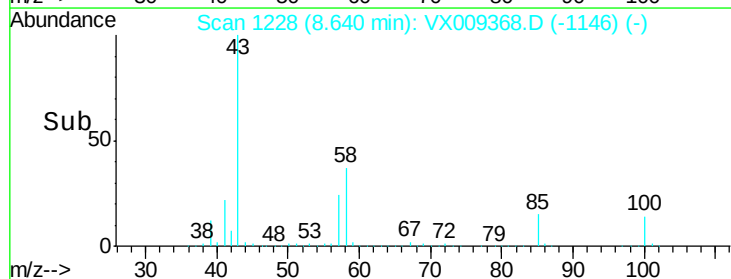
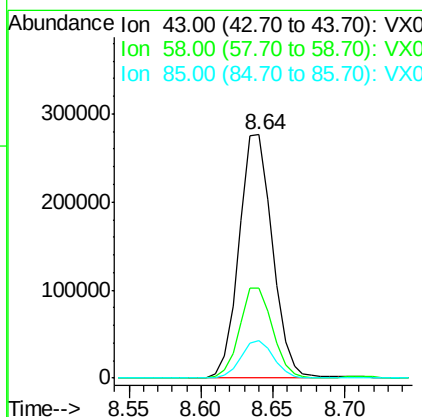
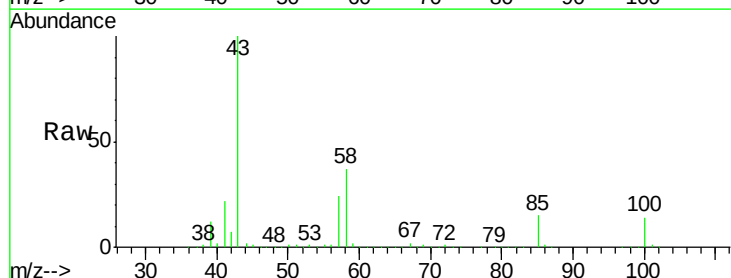
Manual Integrations
APPROVED

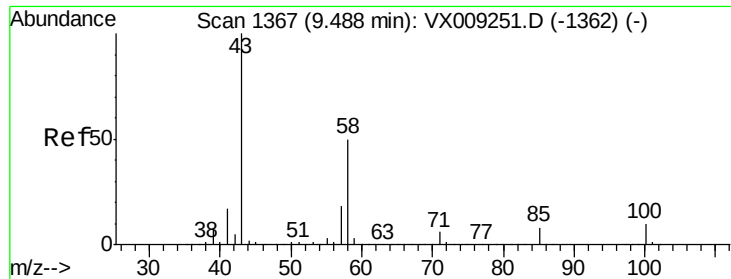
MMDadoda
5/8/2019 10:10:25 AM



#58
4-Methyl-2-Pentanone
Concen: 98.406 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX009368.D
Acq: 07 May 2019 10:18

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.7	29.4	44.0
85	15.0	11.8	17.8





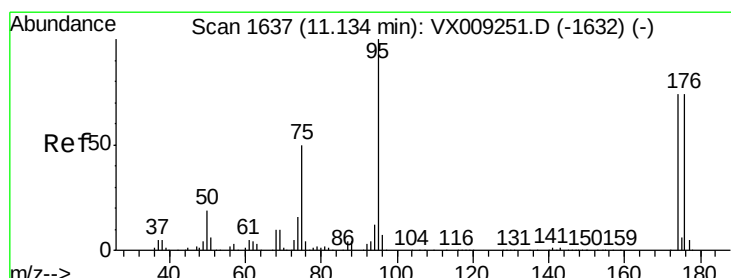
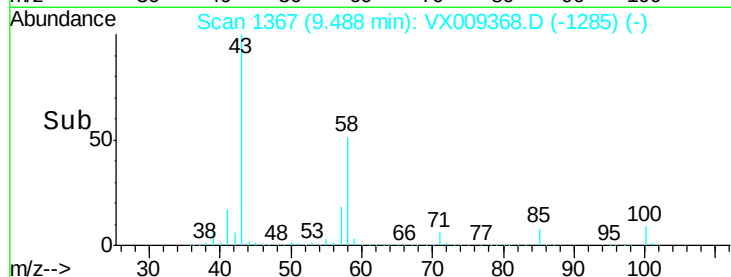
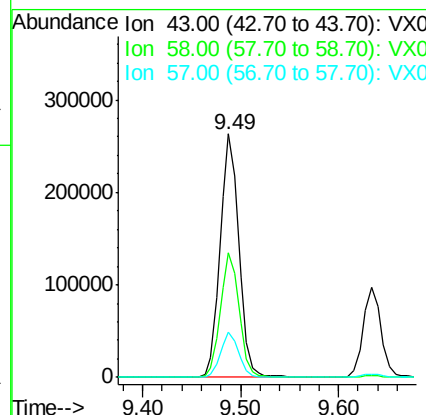
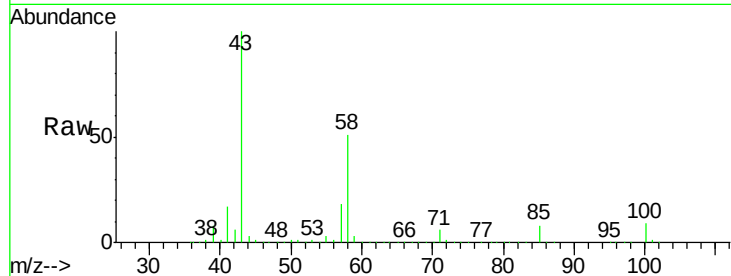
#59
2-Hexanone
Concen: 99.089 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009368.D
Acq: 07 May 2019 10:18

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.2	40.8	61.2
57	17.9	14.1	21.1

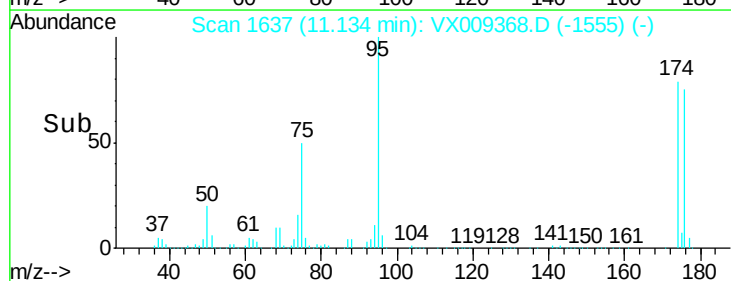
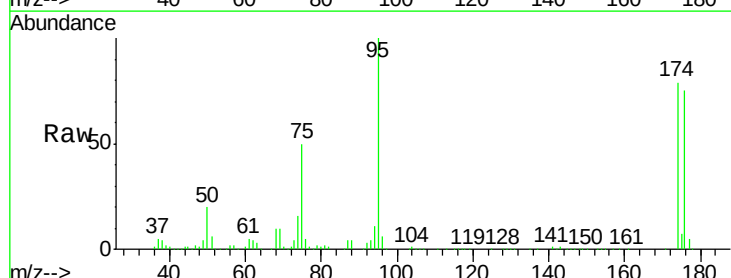
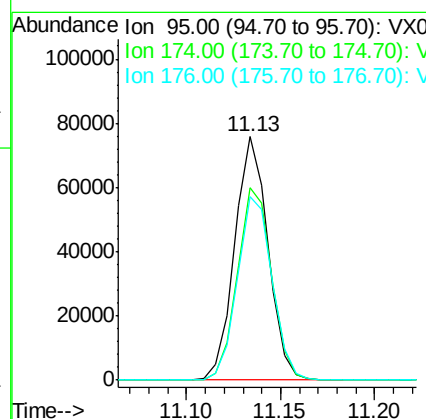
Manual Integrations
APPROVED

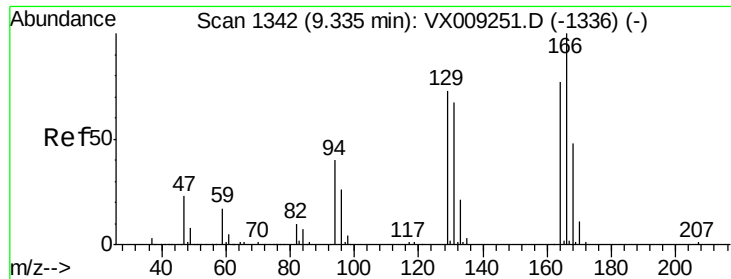
MMDadoda
5/8/2019 10:10:25 AM



#60
4-Bromofluorobenzene
Concen: 29.813 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009368.D
Acq: 07 May 2019 10:18

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.1	63.6	95.4
176	78.4	62.4	93.6





#61

Tetrachloroethene

Concen: 20.525 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX009368.D

Acq: 07 May 2019 10:18

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC020

Tot Ion:164 Resp: 41571

Ion Ratio Lower Upper

164 100

166 130.0 104.1 156.1

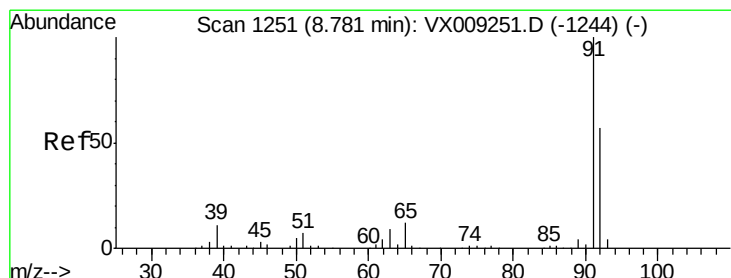
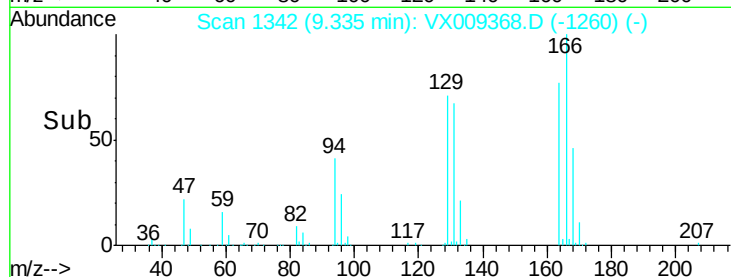
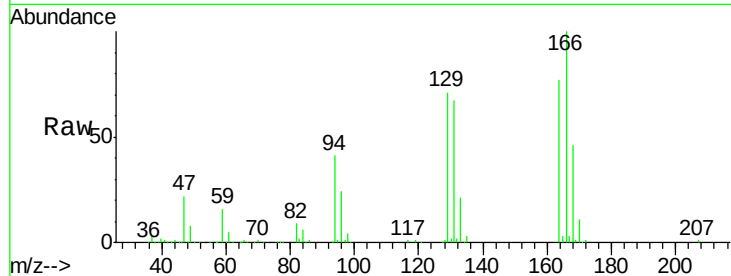
129 92.1 76.0 114.0

131 87.5 70.1 105.1

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#62

Toluene

Concen: 20.013 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX009368.D

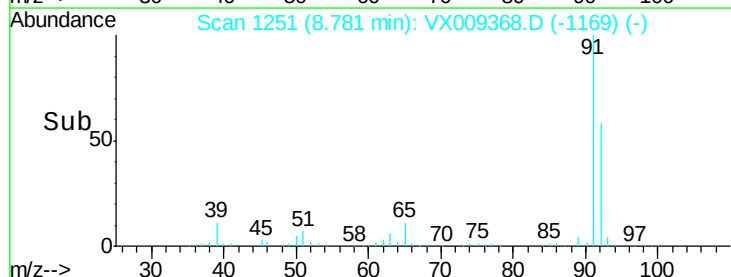
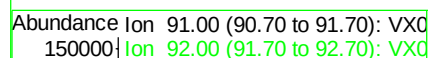
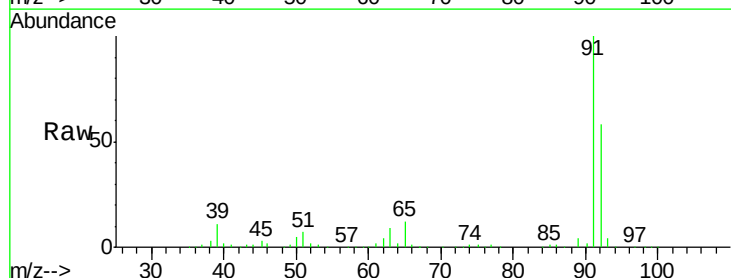
Acq: 07 May 2019 10:18

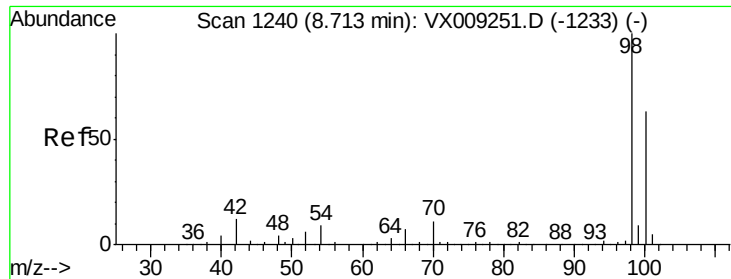
Tgt Ion: 91 Resp: 196477

Ion Ratio Lower Upper

91 100

92 58.4 46.1 69.1





#63

Toluene-d8

Concen: 30.109 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009368.D

Acq: 07 May 2019 10:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 98 Resp: 262264

Ion Ratio Lower Upper

98 100

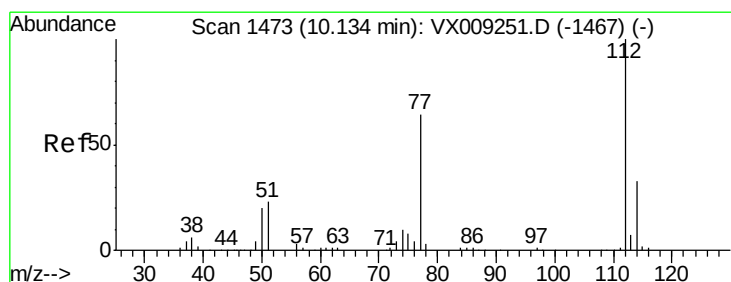
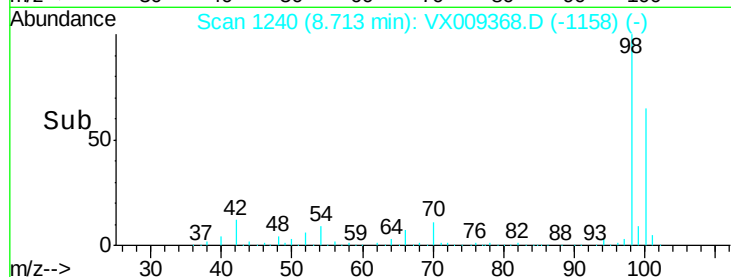
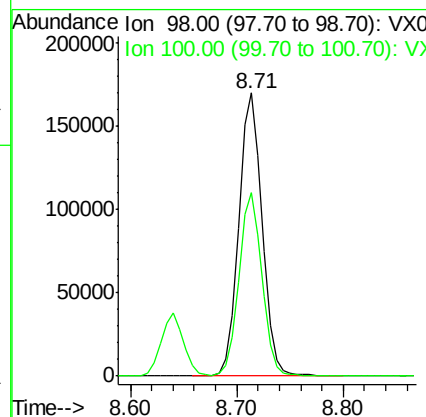
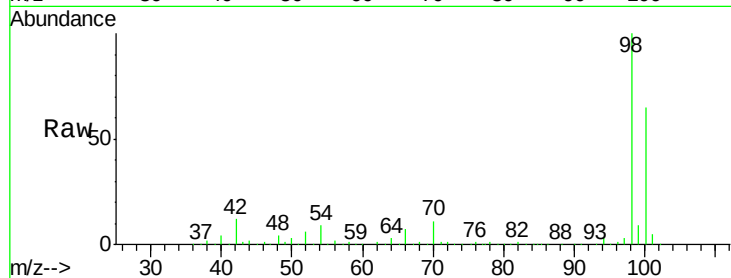
100 64.0 52.3 78.5

Manual Integrations

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5/8/2019 10:10:25 AM



#64

Chlorobenzene

Concen: 20.247 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX009368.D

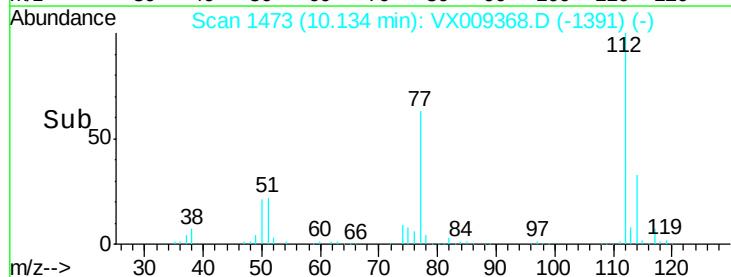
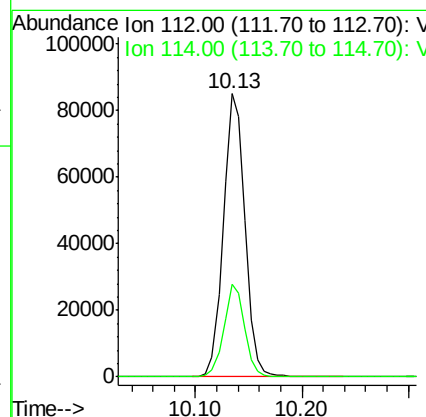
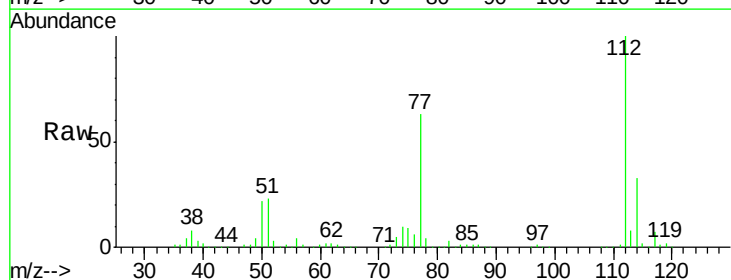
Acq: 07 May 2019 10:18

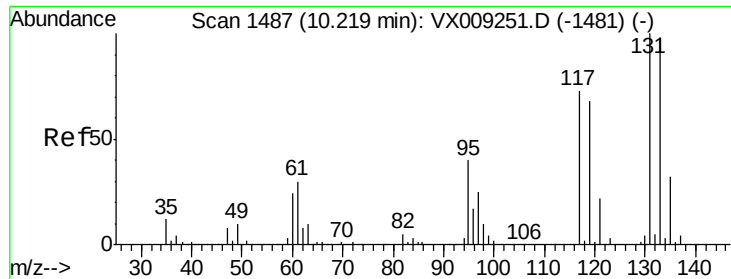
Tgt Ion: 112 Resp: 119630

Ion Ratio Lower Upper

112 100

114 32.8 26.2 39.2





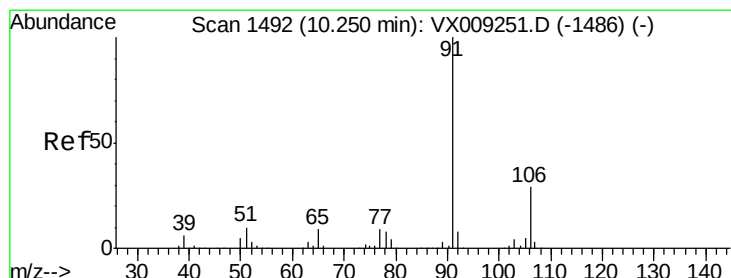
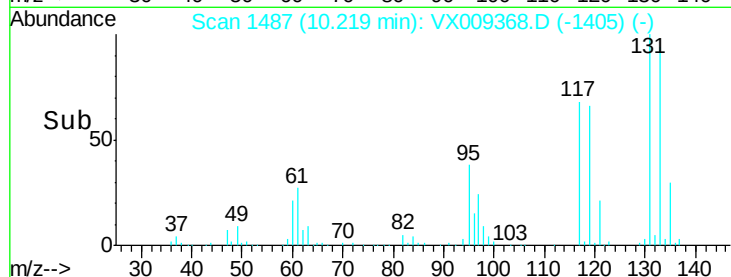
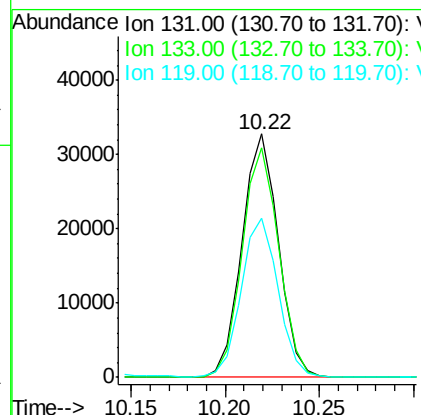
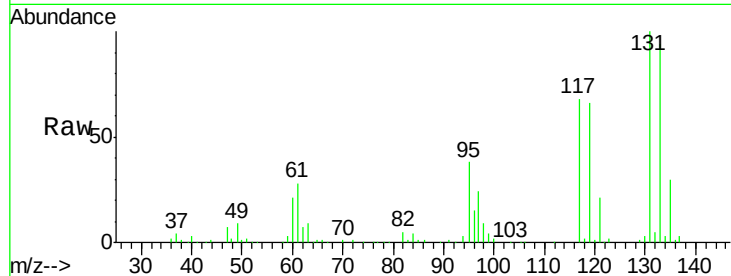
#65
 1,1,1,2-Tetrachloroethane
 Concen: 20.278 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VX009368.D
 Acq: 07 May 2019 10:18

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
131	100	43869		
133	94.8	0.0	191.2	
119	66.6	0.0	135.4	

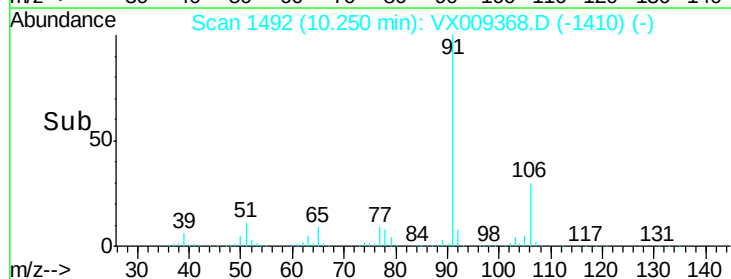
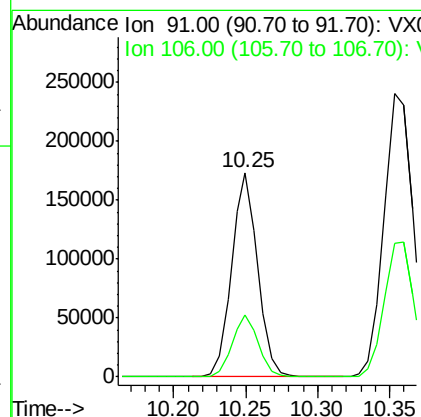
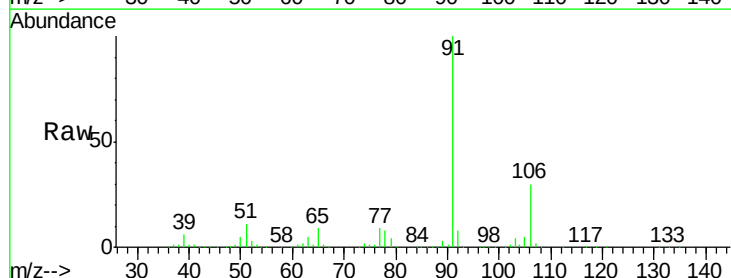
Manual Integrations
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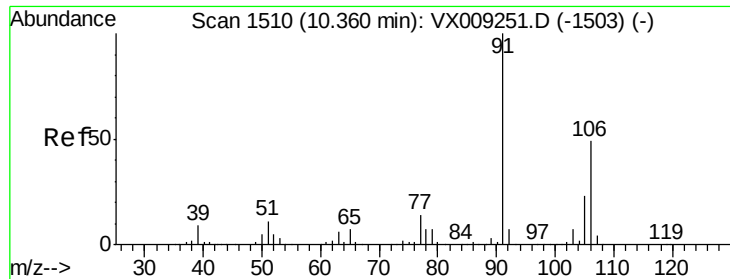
MMDadoda
 5/8/2019 10:10:25 AM



#66
 Ethyl Benzene
 Concen: 20.189 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. -0.00 min
 Lab File: VX009368.D
 Acq: 07 May 2019 10:18

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	220799		
106	30.3	23.5	35.3	





#67

m/p-Xylenes

Concen: 40.345 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009368.D

Acq: 07 May 2019 10:18

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC020

Tot Ion:106 Resp: 161101

Ion Ratio Lower Upper

106 100

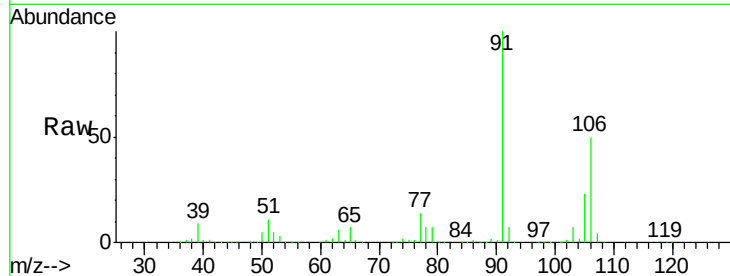
91 209.0 166.8 250.2

Manual Integrations

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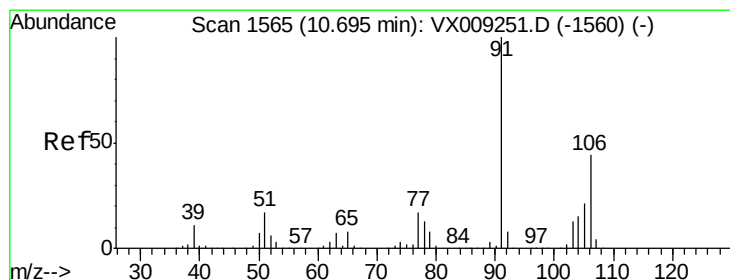
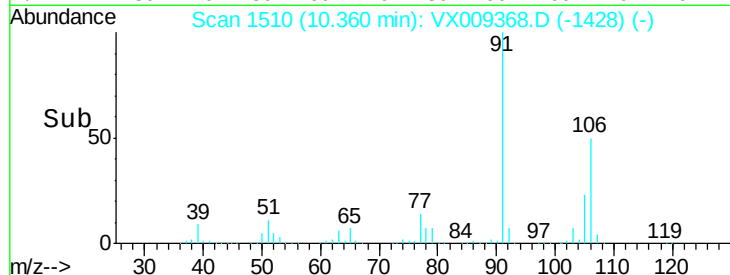
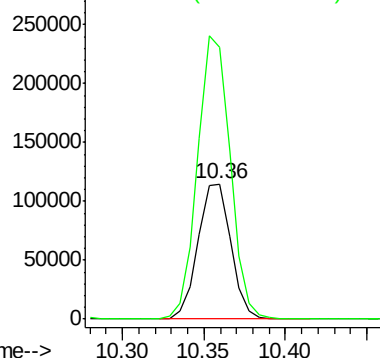
MMDadoda

5/8/2019 10:10:25 AM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 20.319 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VX009368.D

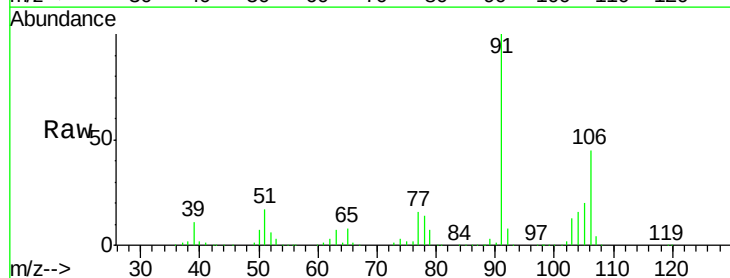
Acq: 07 May 2019 10:18

Tgt Ion:106 Resp: 79780

Ion Ratio Lower Upper

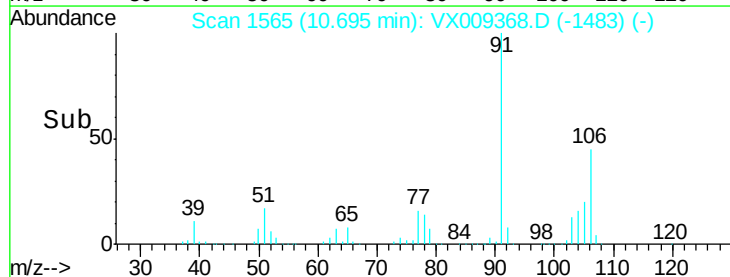
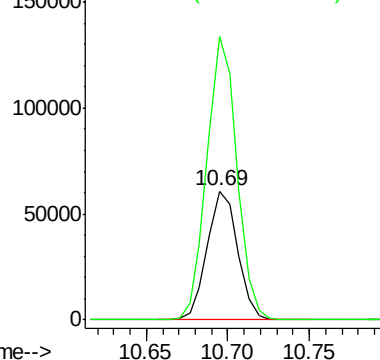
106 100

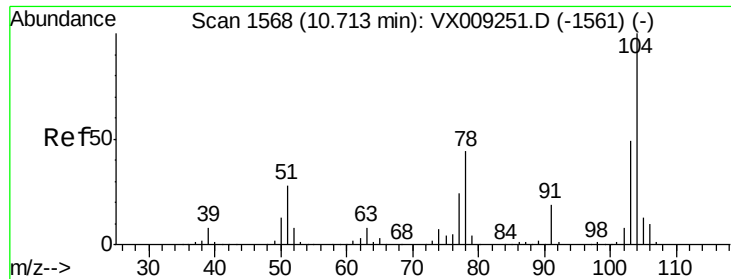
91 215.1 110.8 332.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





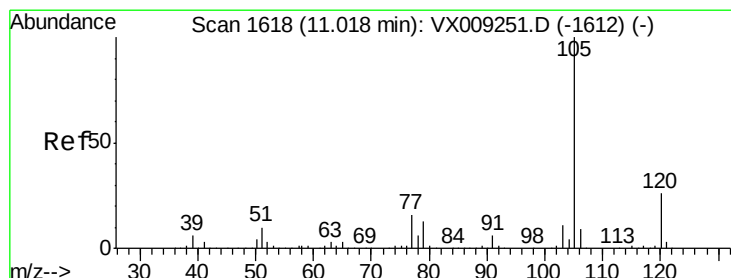
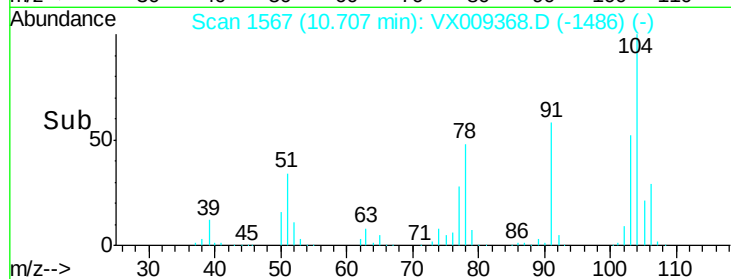
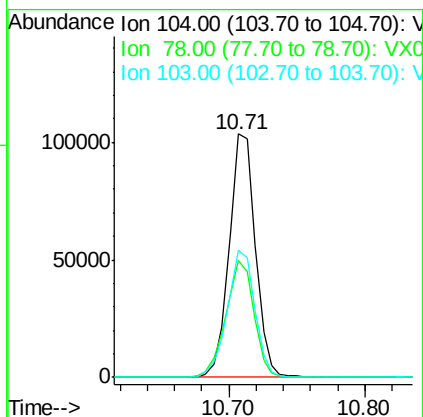
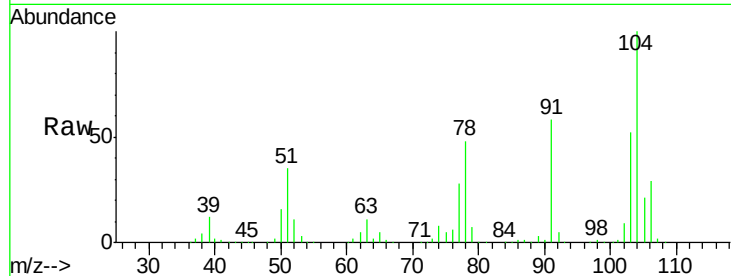
#69
Stvrene
Concen: 20.179 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX009368.D
Acq: 07 May 2019 10:18

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
104	100	139084		
78	51.6		41.1	61.7
103	54.9		43.8	65.8

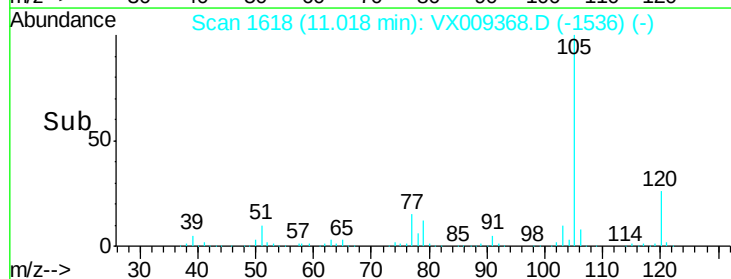
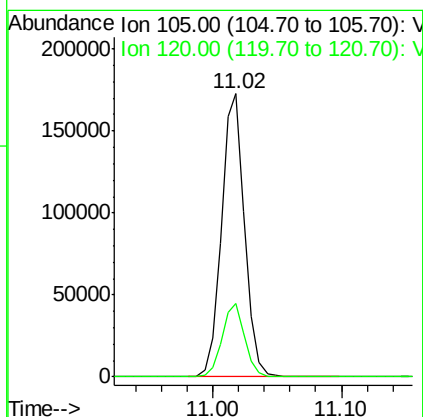
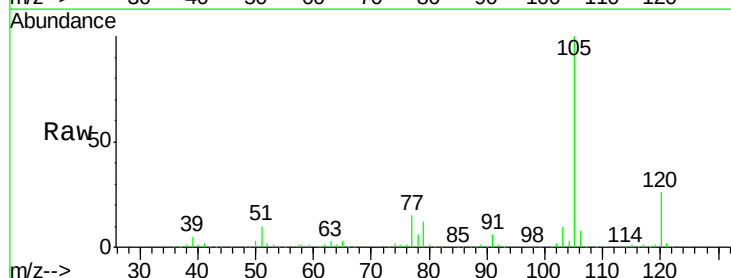
Manual Integrations
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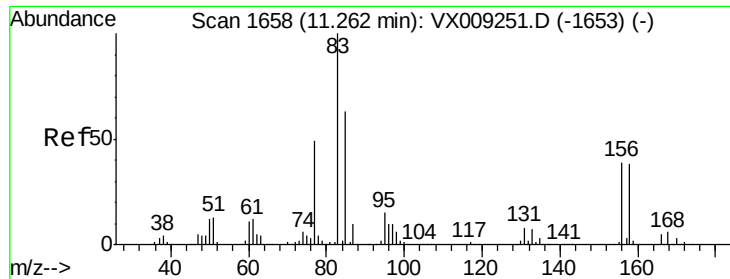
MMDadoda
5/8/2019 10:10:25 AM



#70
Isopropylbenzene
Concen: 20.471 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX009368.D
Acq: 07 May 2019 10:18

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	216163		
120	25.5		18.1	33.7





#71

1,1,2,2-Tetrachloroethane

Concen: 19.965 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.00 min

Lab File: VX009368.D

Acq: 07 May 2019 10:18

Instrument :

MSVOA_X

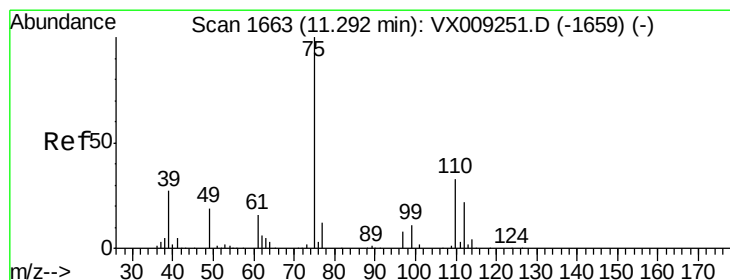
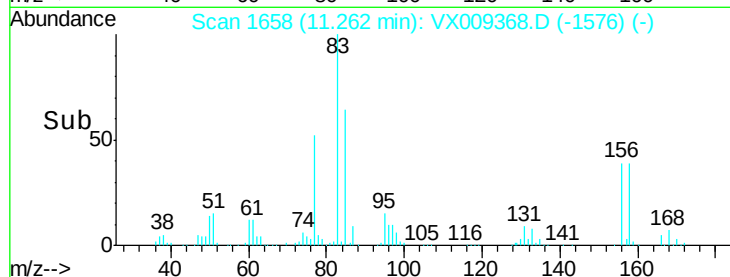
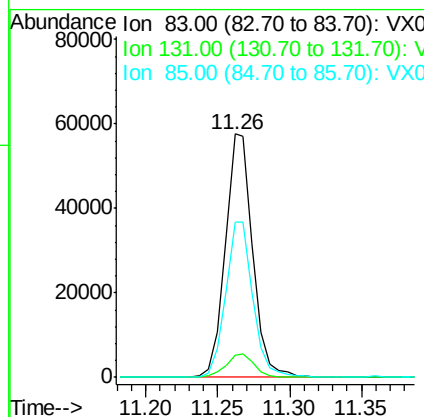
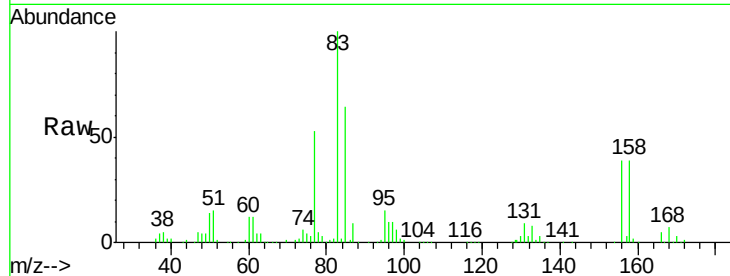
ClientSampled :

VSTDCCC020

Tot Ion:	83	Resp:	77206
Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.7	14.0
85	63.9	32.4	97.2

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#72

1,2,3-Trichloropropane

Concen: 20.695 ug/l m

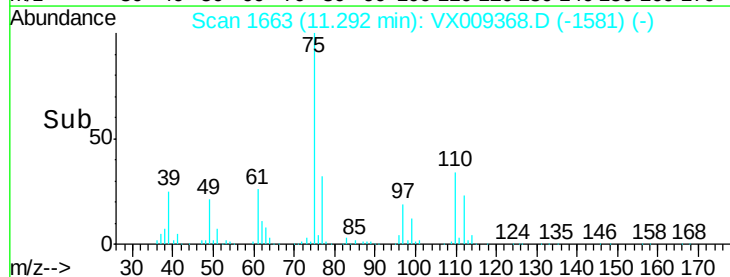
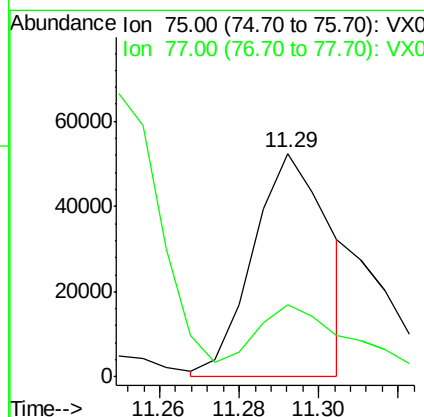
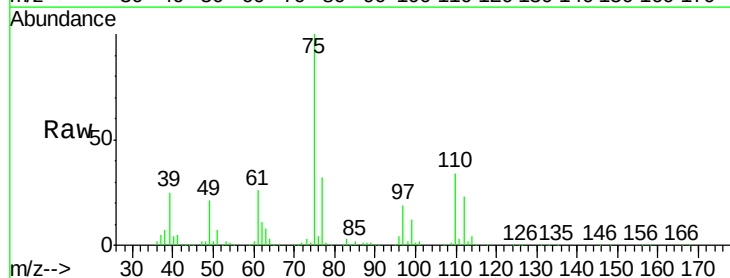
RT: 11.29 min Scan# 1663

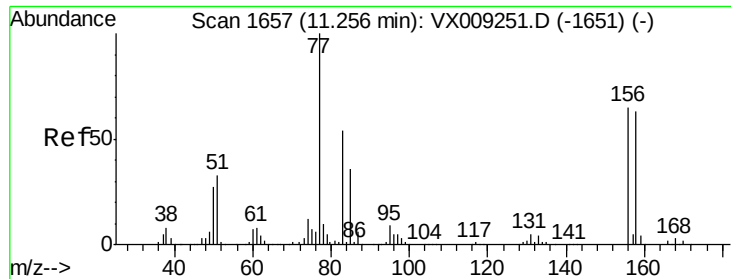
Delta R.T. -0.00 min

Lab File: VX009368.D

Acq: 07 May 2019 10:18

Tgt Ion:	75	Resp:	68967
Ion	Ratio	Lower	Upper
75	100		
77	42.0	0.0	86.4





#73

Bromobenzene

Concen: 20.241 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX009368.D

Acq: 07 May 2019 10:18

Instrument :

MSVOA_X

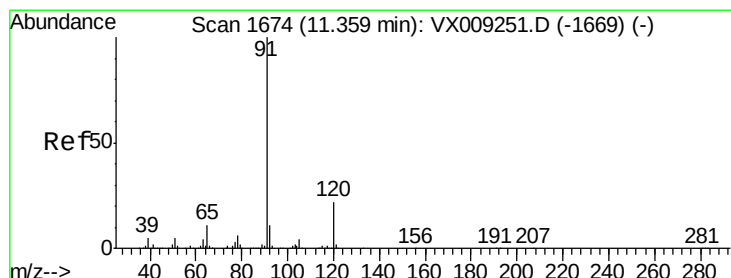
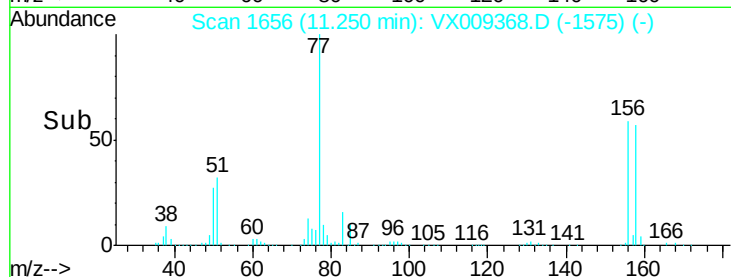
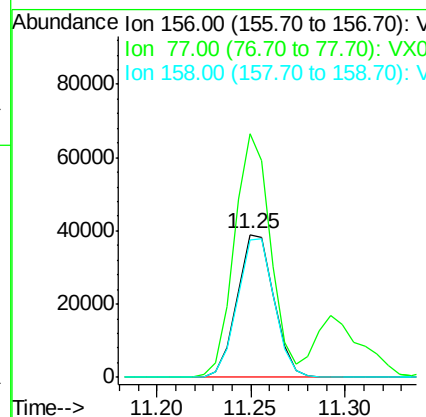
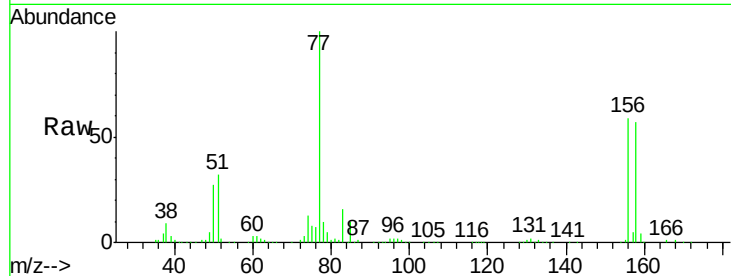
ClientSampled :

VSTDCCC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	167.5	0.0	335.6
158	97.5	0.0	191.2

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#74

n-propylbenzene

Concen: 20.432 ug/l

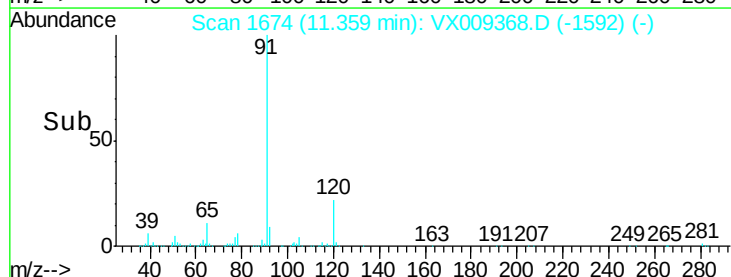
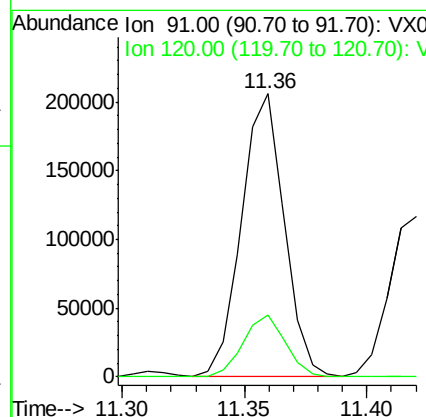
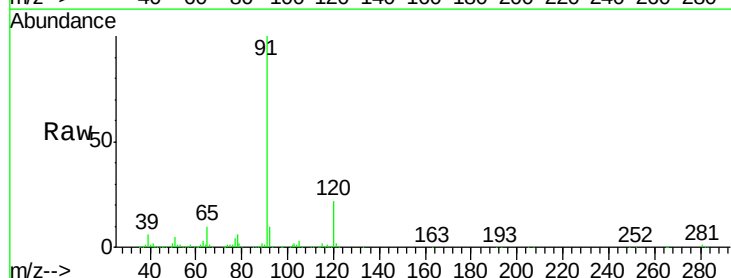
RT: 11.36 min Scan# 1674

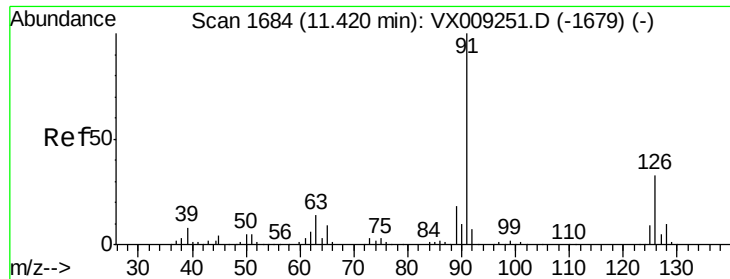
Delta R.T. -0.00 min

Lab File: VX009368.D

Acq: 07 May 2019 10:18

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.8	0.0	43.4





#75

2-Chlorotoluene

Concen: 20.240 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009368.D

Acq: 07 May 2019 10:18

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC020

Tot Ion: 91 Resp: 148551

Ion Ratio Lower Upper

91 100

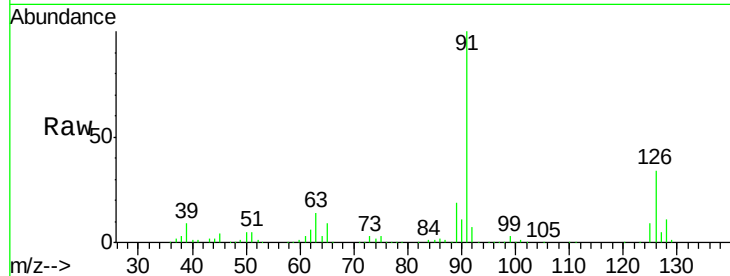
126 32.5 0.0 64.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX009251.D (-1679) (-)

Ion 126.00 (125.70 to 126.70): VX009251.D (-1679) (-)

200000

150000

100000

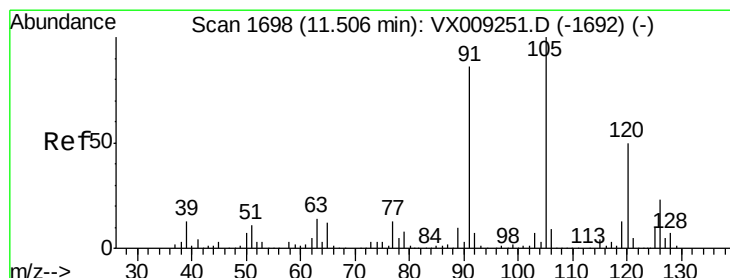
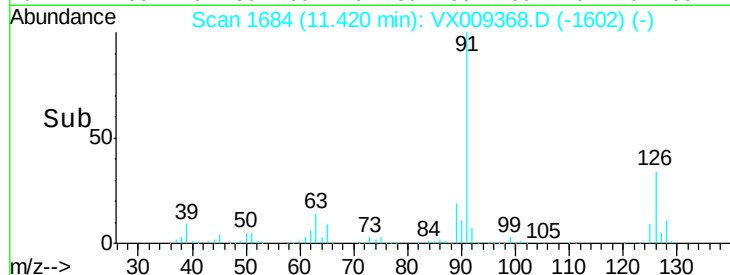
50000

0

11.42

11.45

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 20.351 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009368.D

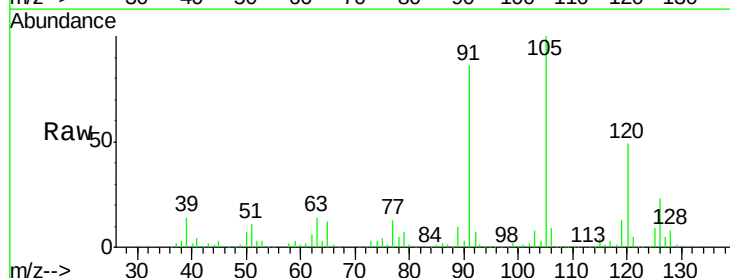
Acq: 07 May 2019 10:18

Tgt Ion: 105 Resp: 182033

Ion Ratio Lower Upper

105 100

120 48.5 0.0 97.4



Abundance Ion 105.00 (104.70 to 105.70): VX009251.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX009251.D (-1692) (-)

150000

100000

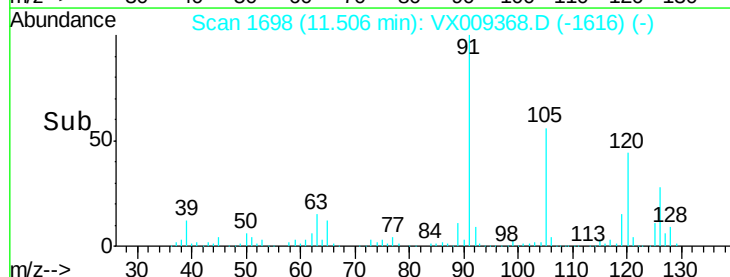
50000

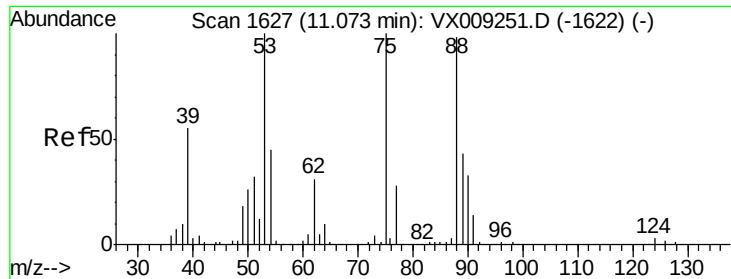
0

11.51

11.55

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 18.610 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009368.D

Acq: 07 May 2019 10:18

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC020

Tot Ion: 75 Resp: 25017

Ion Ratio Lower Upper

75 100

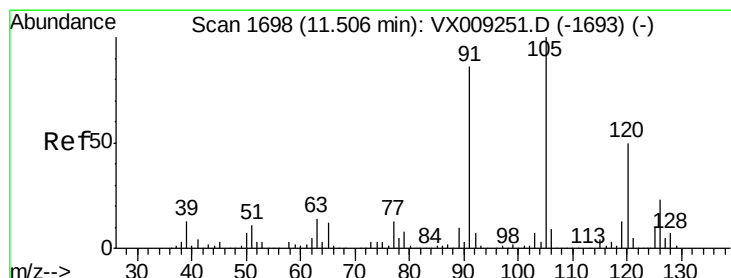
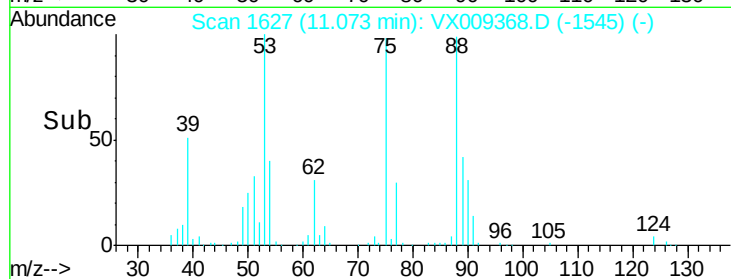
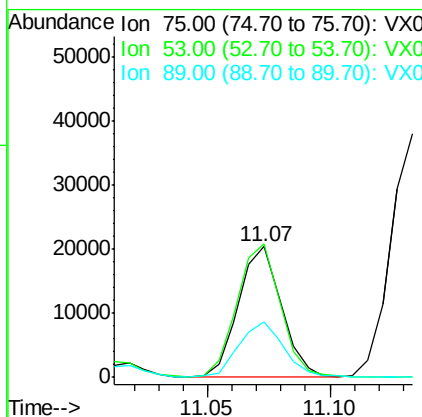
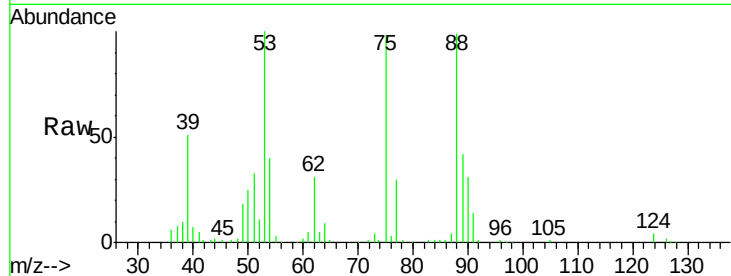
53 101.7 50.0 149.8

89 42.1 21.6 65.0

Manual Integrations
APPROVED

MMDadoda

5/8/2019 10:10:25 AM



#78

4-Chlorotoluene

Concen: 20.268 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009368.D

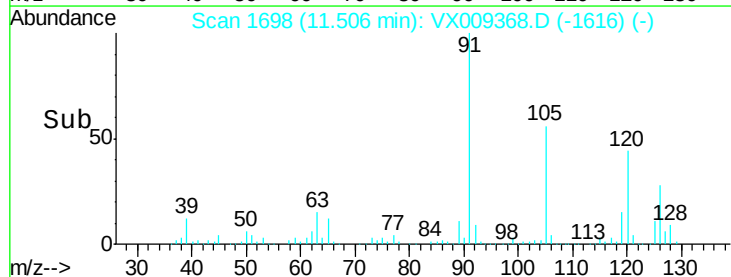
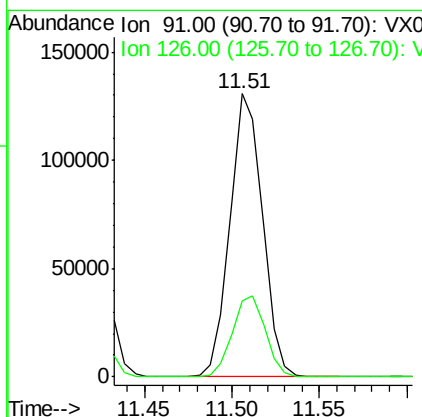
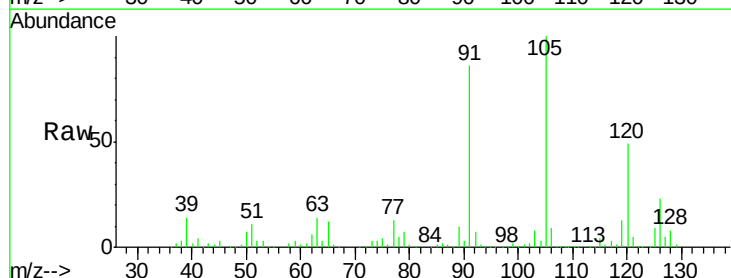
Acq: 07 May 2019 10:18

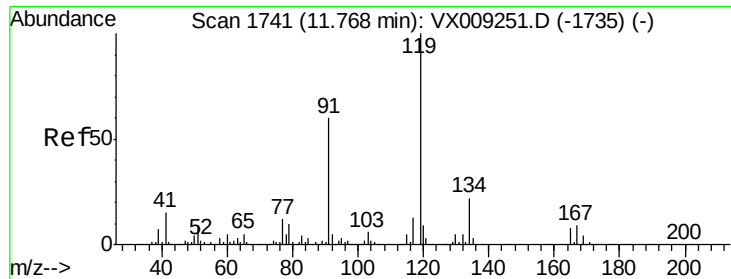
Tgt Ion: 91 Resp: 168949

Ion Ratio Lower Upper

91 100

126 29.1 0.0 57.0





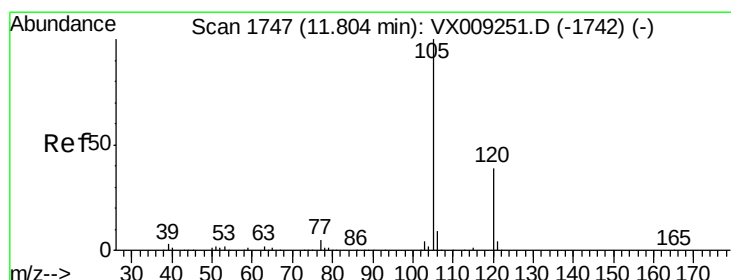
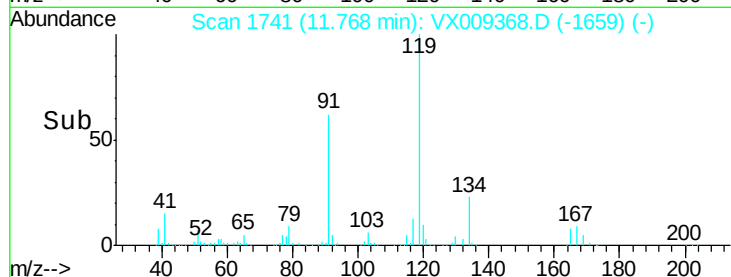
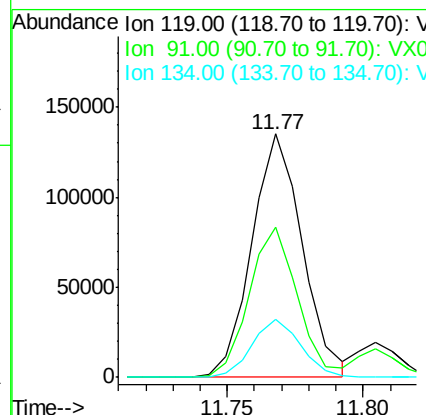
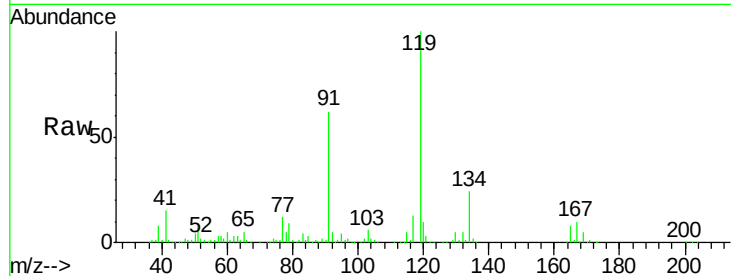
#79
tert-butylbenzene
Concen: 20.084 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX009368.D
Acq: 07 May 2019 10:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	173660		
91	59.3		0.0	118.2
134	23.0		0.0	45.0

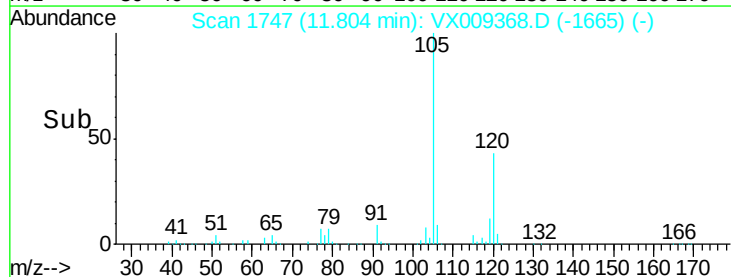
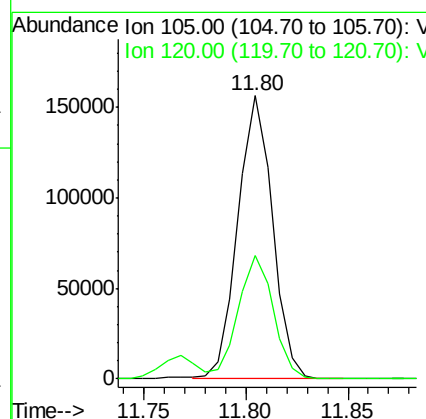
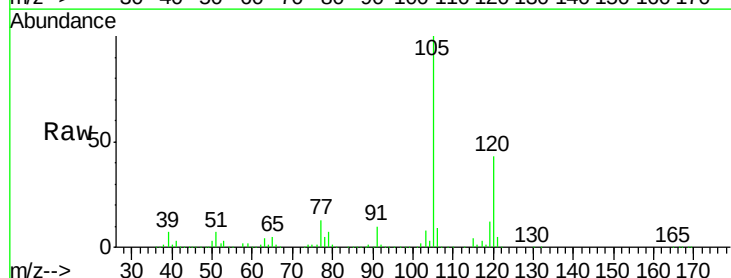
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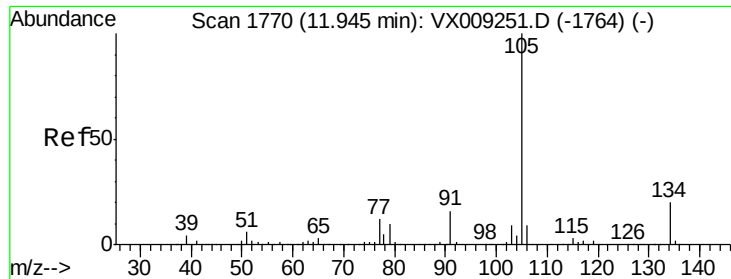
MMDadoda
5/8/2019 10:10:25 AM



#80
1,2,4-Trimethylbenzene
Concen: 20.449 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX009368.D
Acq: 07 May 2019 10:18

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	183325		
120	44.2		0.0	89.6





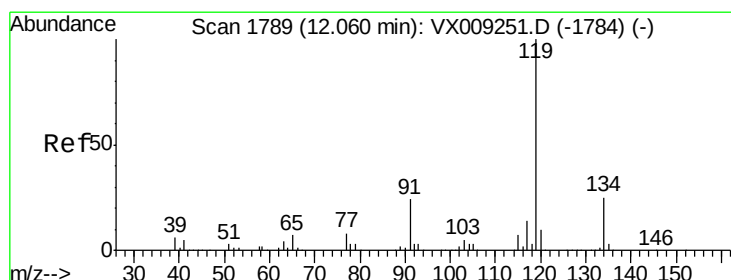
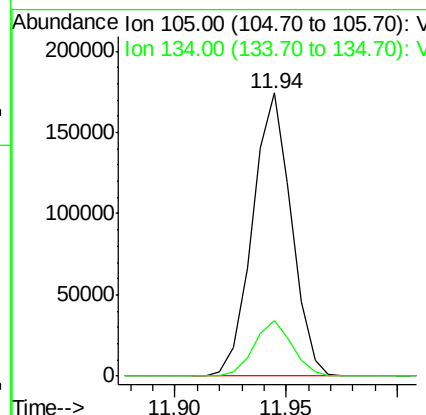
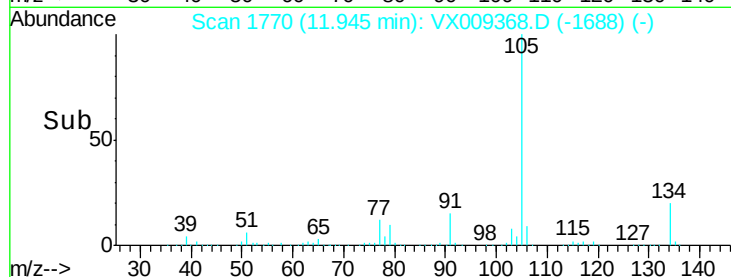
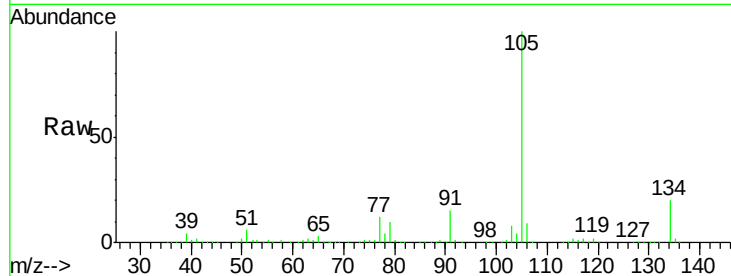
#81
 sec-Butylbenzene
 Concen: 20.505 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX009368.D
 Acq: 07 May 2019 10:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	210653		
134	19.6	0.0	38.6	

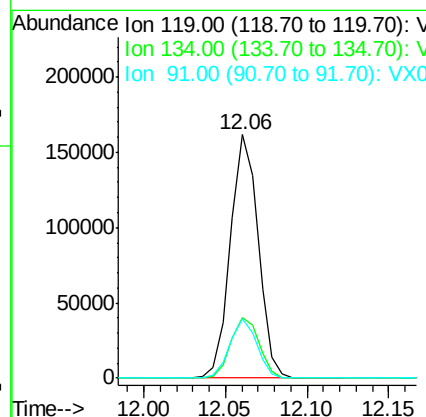
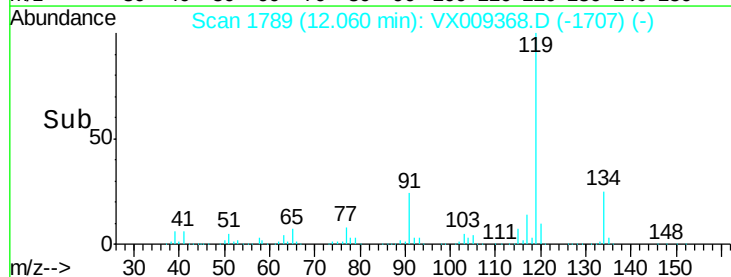
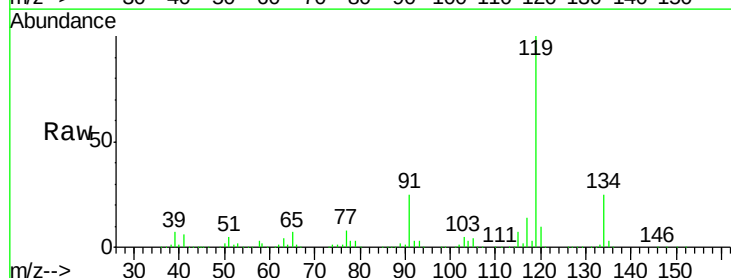
Manual Integrations
 APPROVED

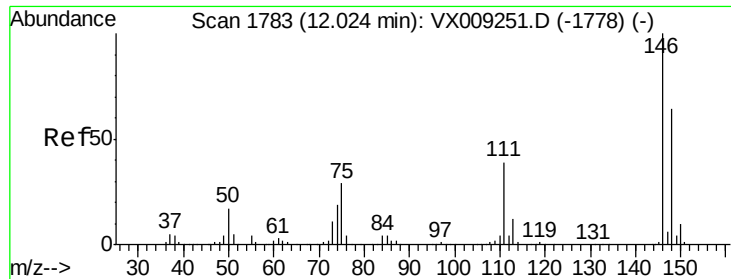
MMDadoda
 5/8/2019 10:10:25 AM



#82
 p-Isopropyltoluene
 Concen: 20.505 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX009368.D
 Acq: 07 May 2019 10:18

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	191624		
134	25.7	0.0	50.8	
91	23.7	0.0	47.2	





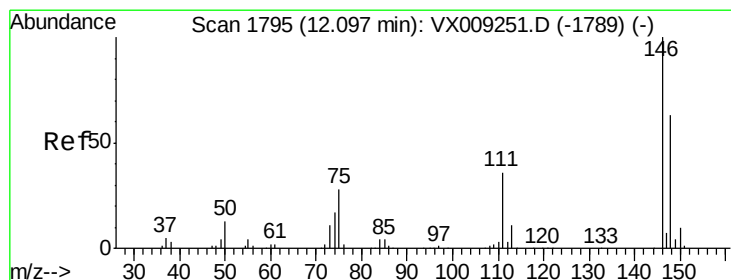
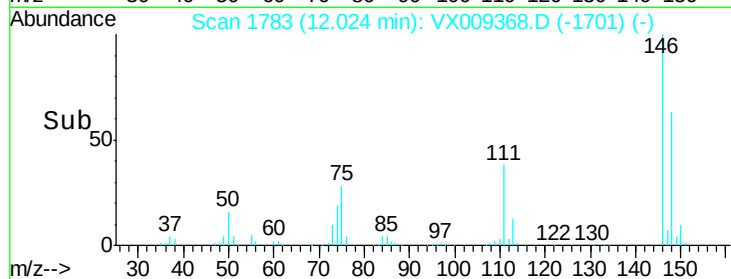
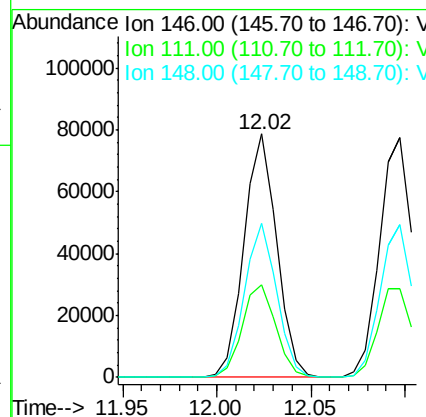
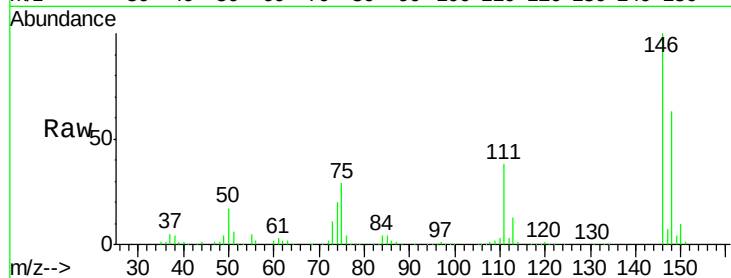
#83
 1,3-Dichlorobenzene
 Concen: 20.335 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009368.D
 Acq: 07 May 2019 10:18

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.0	60.0
148	62.4	32.2	96.6

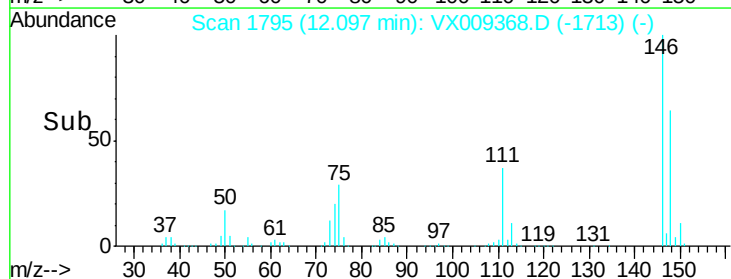
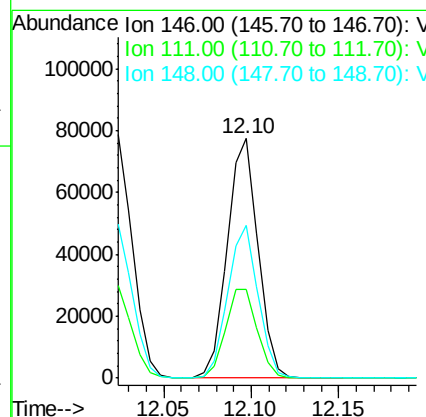
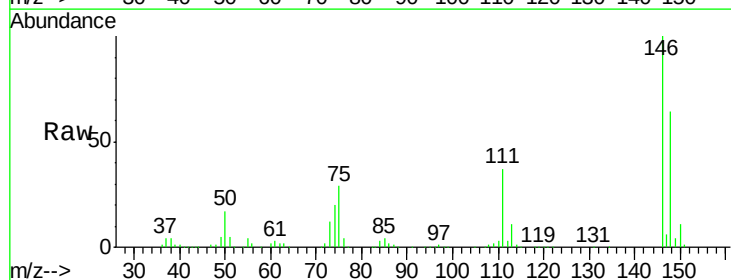
Manual Integrations
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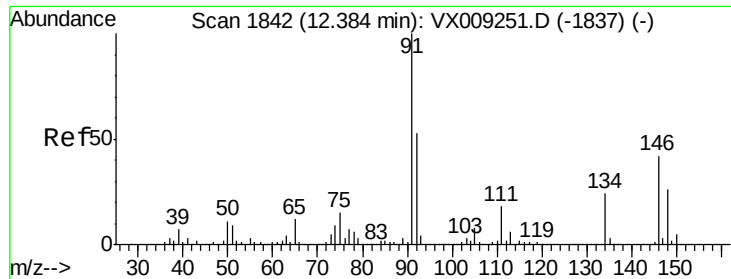
MMDadoda
 5/8/2019 10:10:25 AM



#84
 1,4-Dichlorobenzene
 Concen: 20.419 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009368.D
 Acq: 07 May 2019 10:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.6	58.7
148	62.8	32.3	96.8





#85

n-Butylbenzene

Concen: 20.363 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX009368.D

Acq: 07 May 2019 10:18

Instrument :

MSVOA_X

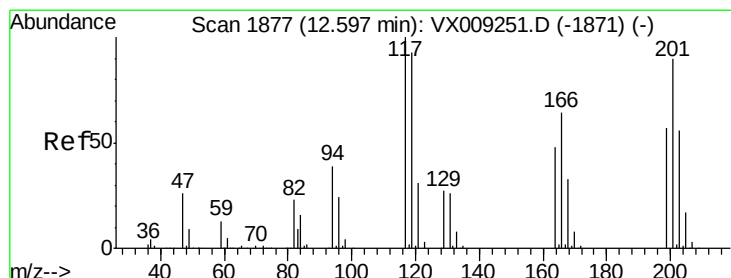
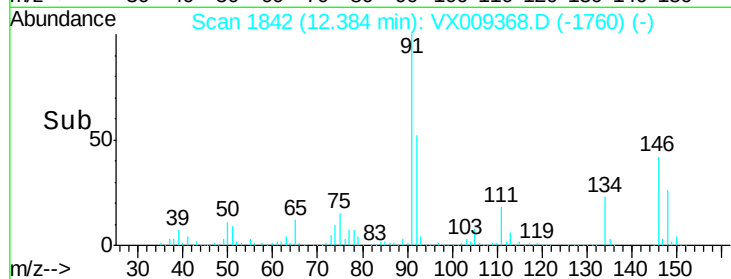
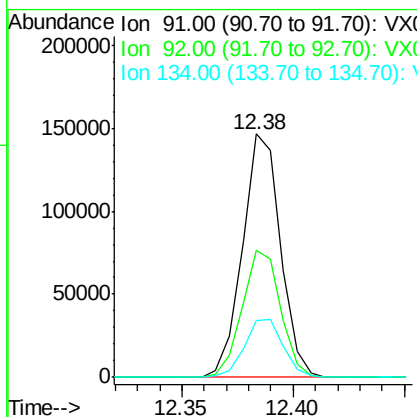
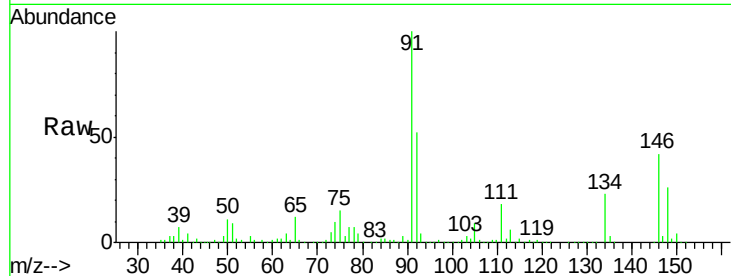
ClientSampled :

VSTDCCC020

Tot Ion:	91	Resp:	174121
Ion Ratio	Lower	Upper	
91	100		
92	52.9	0.0	106.6
134	24.4	0.0	50.0

Manual Integrations
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#86

Hexachloroethane

Concen: 19.917 ug/l

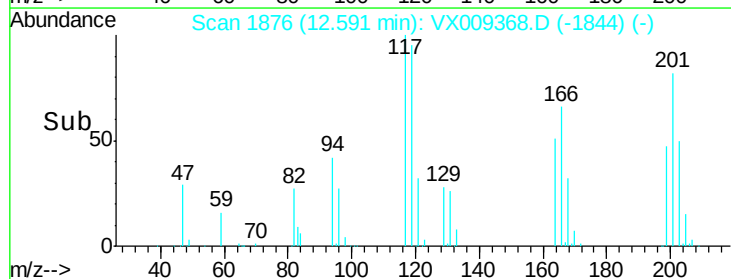
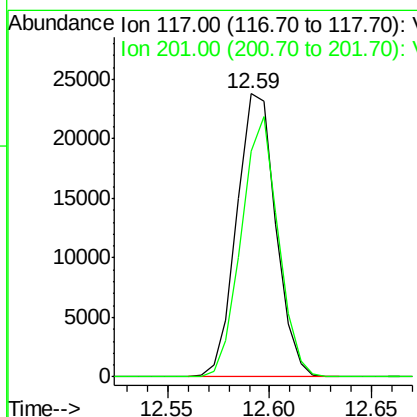
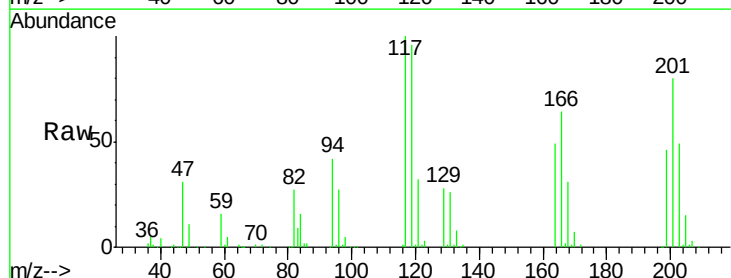
RT: 12.59 min Scan# 1876

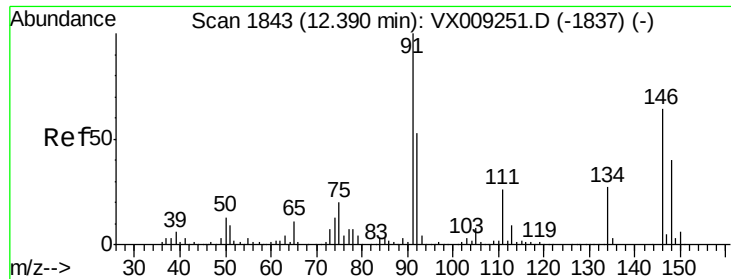
Delta R.T. -0.01 min

Lab File: VX009368.D

Acq: 07 May 2019 10:18

Tgt Ion:	117	Resp:	31672
Ion Ratio	Lower	Upper	
117	100		
201	86.7	41.8	125.4





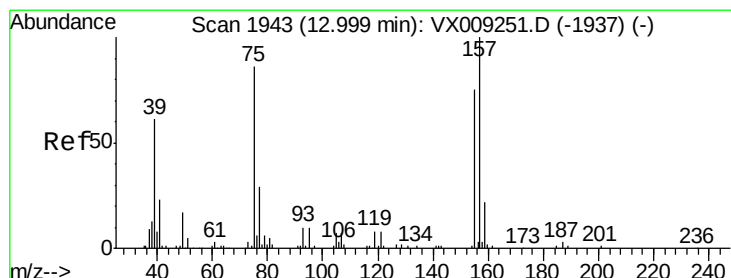
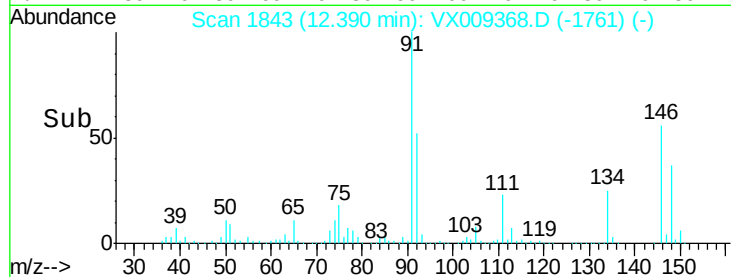
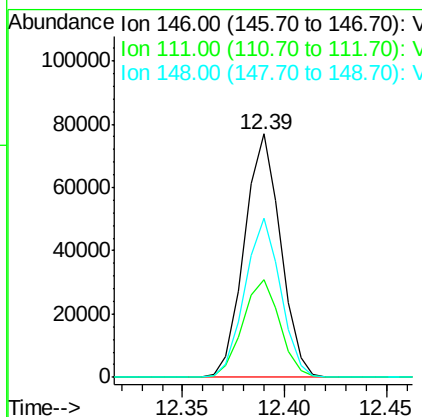
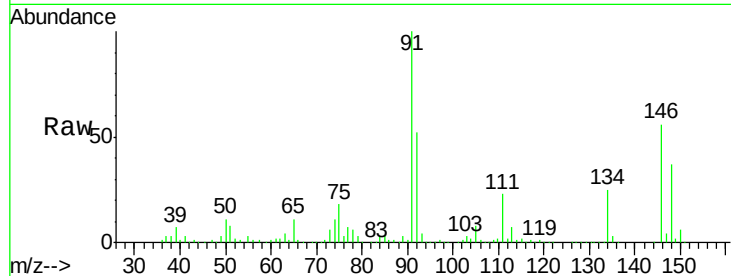
#87
 1,2-Dichlorobenzene
 Concen: 20.285 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009368.D
 Acq: 07 May 2019 10:18

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.8	62.2
148	64.6	31.4	94.3

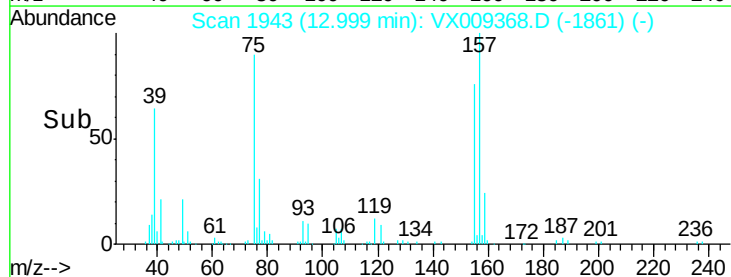
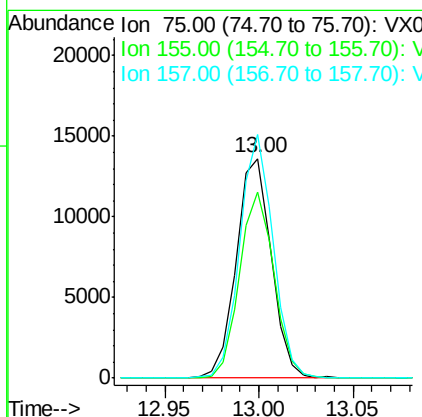
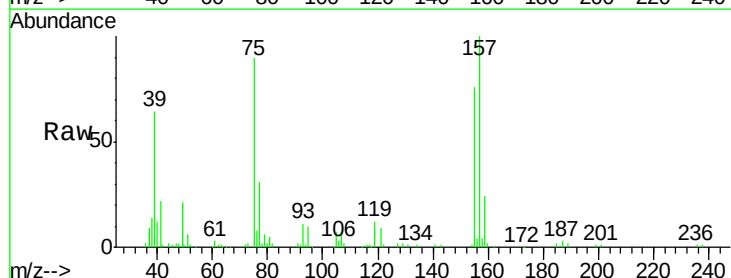
Manual Integrations
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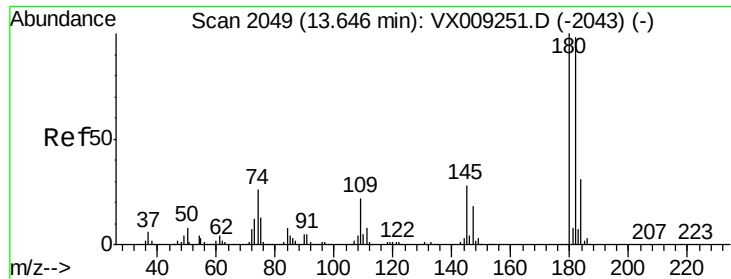
MMDadoda
 5/8/2019 10:10:25 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.638 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009368.D
 Acq: 07 May 2019 10:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.8	65.9	98.9
157	104.9	85.2	127.8





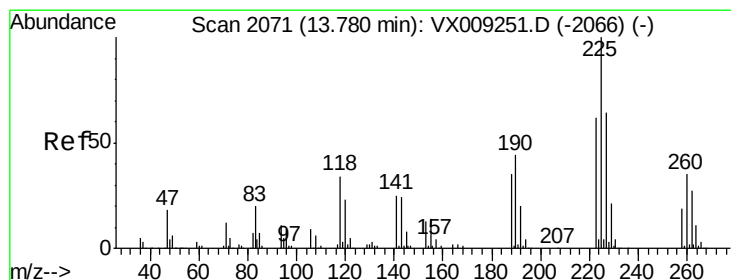
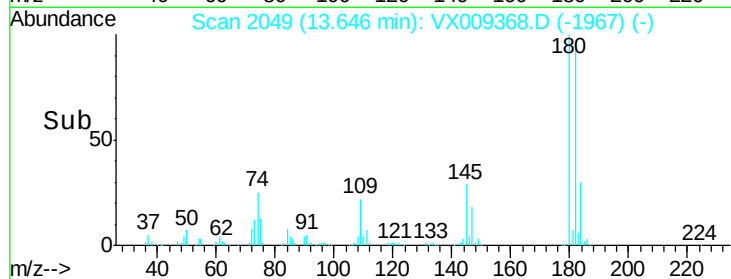
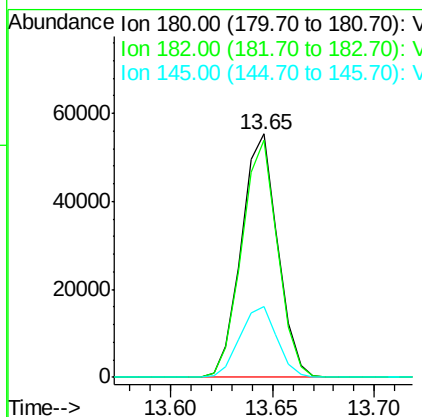
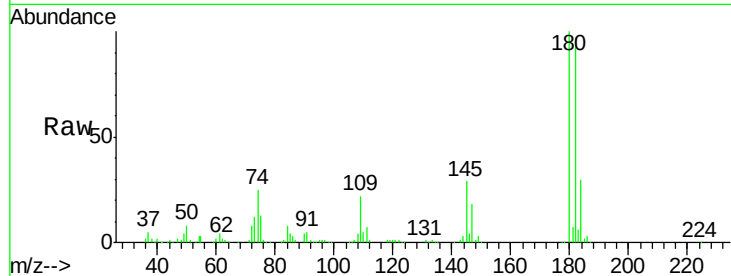
#89
 1,2,4-Trichlorobenzene
 Concen: 20.505 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009368.D
 Acq: 07 May 2019 10:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	68545		
182	96.3		76.9	115.3
145	29.6		23.0	34.6

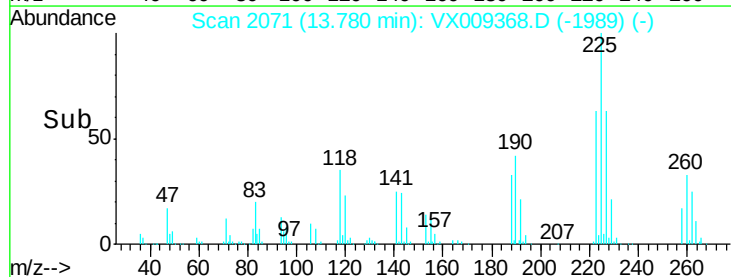
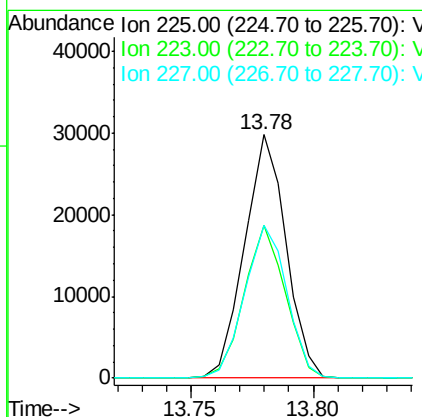
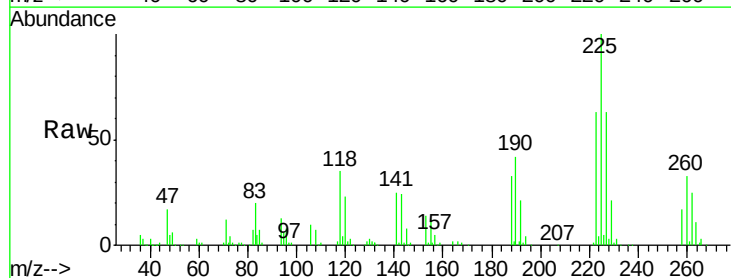
Manual Integrations
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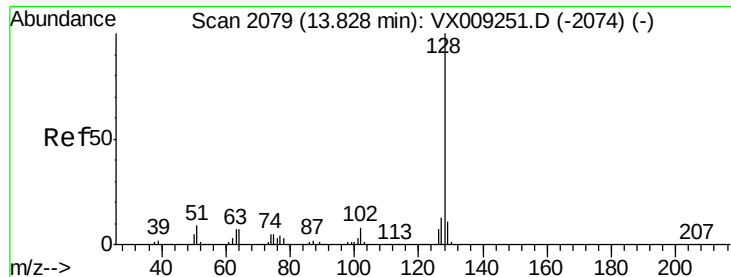
MMDadoda
 5/8/2019 10:10:25 AM



#90
 Hexachlorobutadiene
 Concen: 21.042 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009368.D
 Acq: 07 May 2019 10:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	35136		
223	62.1		0.0	126.6
227	64.1		0.0	130.0





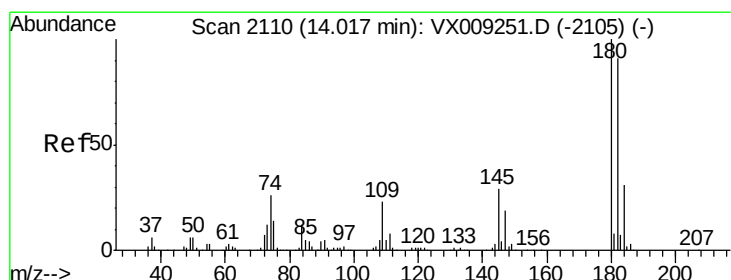
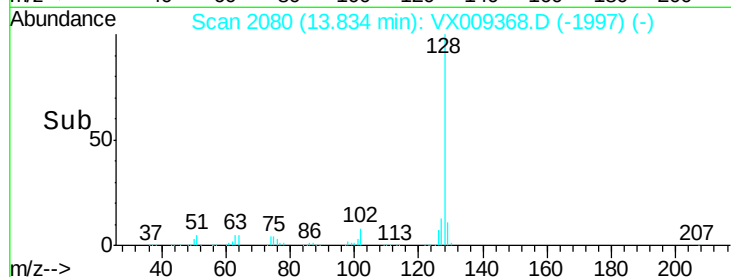
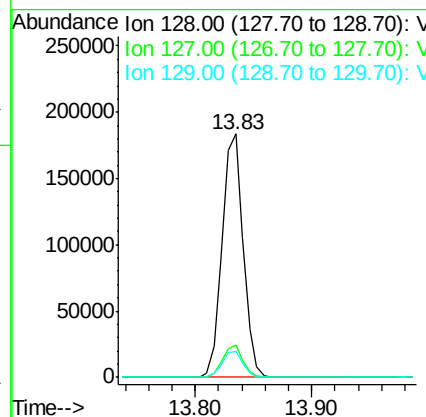
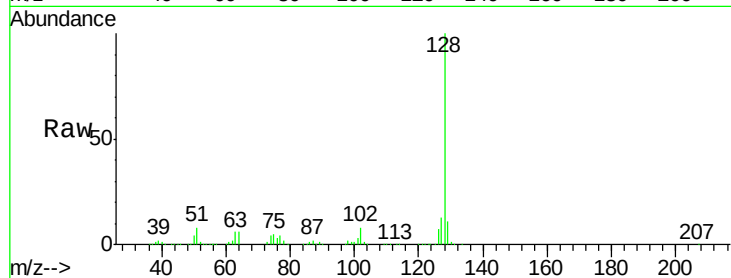
#91
Naphthalene
Concen: 20.751 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.01 min
Lab File: VX009368.D
Acq: 07 May 2019 10:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	227124		
127	12.8	10.5	15.7	
129	10.7	8.7	13.1	

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#92
1,2,3-Trichlorobenzene
Concen: 21.121 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX009368.D
Acq: 07 May 2019 10:18

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	71772		
182	96.3	0.0	189.0	
145	30.8	0.0	61.6	

