

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051719\
 Data File : VX009651.D
 Acq On : 17 May 2019 09:45
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 11:16:37 AM

Quant Time: May 18 05:10:40 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	35916	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	210291	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	187629	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	89386	30.00	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.00%
60) 4-Bromofluorobenzene	11.13	95	96562	30.29	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.97%
63) Toluene-d8	8.71	98	266445	29.95	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.83%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	30536	16.000	ug/l 99
3) Chloromethane	1.32	50	44368	17.296	ug/l 98
4) Vinyl Chloride	1.41	62	44643	17.445	ug/l 96
5) Bromomethane	1.64	94	29863	18.409	ug/l 99
6) Chloroethane	1.72	64	29141	17.364	ug/l 98
7) Trichlorofluoromethane	1.93	101	58874	18.631	ug/l 98
8) Diethyl Ether	2.19	74	27074	18.451	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	2.38	101	36851	18.835	ug/l 99
10) 1,1-Dichloroethene	2.37	96	35405	18.023	ug/l 95
11) Methyl Iodide	2.51	142	36984	17.318	ug/l 93
12) Methyl Acetate	2.77	43	67375	18.209	ug/l 96
13) Acrolein	2.29	56	43977	86.654	ug/l 99
14) Acrylonitrile	3.14	53	148837	92.686	ug/l 99
15) Acetone	2.44	58	49231	106.780	ug/l 92
16) Carbon Disulfide	2.57	76	92907	17.479	ug/l 99
17) Allyl chloride	2.73	41	86748	18.393	ug/l 98
18) Methylene Chloride	2.85	84	43855	18.472	ug/l 97
19) trans-1,2-Dichloroethene	3.17	96	38580	18.419	ug/l 99
20) Diisopropyl ether	3.85	45	176358	18.989	ug/l 96
21) 1,1-Dichloroethane	3.70	63	84353	18.767	ug/l 99
22) cis-1,2-Dichloroethene	4.59	96	46720	18.518	ug/l 97
23) tert-Butyl Alcohol	3.04	59	61918	91.189	ug/l # 100
24) Methyl tert-Butyl Ether	3.19	73	144582	18.806	ug/l 99
25) Chloroform	5.21	83	77591	18.917	ug/l 99
26) Cyclohexane	5.57	56	78229	18.675	ug/l # 96
29) 1,1-Dichloropropene	5.79	75	58559	18.978	ug/l 99
30) 2-Butanone	4.67	43	235016	97.254	ug/l 100
31) 2,2-Dichloropropane	4.58	77	63676	18.719	ug/l 98
32) 1,1,1-Trichloroethane	5.49	97	63279	18.917	ug/l 97
33) Carbon Tetrachloride	5.78	117	52672	18.820	ug/l 97
34) Benzene	6.14	78	179163	18.833	ug/l 99
35) Methacrylonitrile	5.04	41	46772	18.500	ug/l 96
36) 1,2-Dichloroethane	6.19	62	66464	19.255	ug/l 100
37) Trichloroethene	7.21	130	42558	18.584	ug/l 96
38) Methylcyclohexane	7.46	83	72907	19.124	ug/l 99
39) 1,2-Dichloropropane	7.51	63	52139	19.246	ug/l 99
40) Dibromomethane	7.66	93	28851	18.764	ug/l 97

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Manual Integrations
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Quant Time: May 18 05:10:40 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)
41) Bromodichloromethane	7.90	83	59130	18.827	ug/l	100
42) Vinyl Acetate	3.81	43	773217	96.947	ug/l	99
43) Ethyl Acetate	4.83	43	82139	18.811	ug/l	99
44) Isopropyl Acetate	6.44	43	132210	18.690	ug/l	99
45) 1,4-Dioxane	7.74	88	25725	370.405	ug/l	98
46) Methyl methacrylate	7.77	41	66452	18.821	ug/l	98
47) n-amyl Acetate	10.90	43	119778	18.796	ug/l	99
48) t-1,3-Dichloropropene	9.04	75	67607	18.449	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	75595	18.791	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	46019	19.535	ug/l	97
51) Ethyl methacrylate	9.18	69	81550	18.733	ug/l	99
52) 1,3-Dichloropropane	9.37	76	80086	19.156	ug/l	99
53) Dibromochloromethane	9.58	129	43349	18.478	ug/l	99
54) 1,2-Dibromoethane	9.67	107	45238	18.725	ug/l	99
55) 2-Chloroethyl vinyl ether	8.30	63	196182	84.573	ug/l	99
56) Bromoform	10.85	173	33108	18.384	ug/l	98
58) 4-Methyl-2-Pentanone	8.64	43	437711	94.875	ug/l	100
59) 2-Hexanone	9.49	43	348940	96.429	ug/l	98
61) Tetrachloroethene	9.34	164	40277	19.472	ug/l	97
62) Toluene	8.78	91	190536	19.004	ug/l	100
64) Chlorobenzene	10.13	112	116098	19.241	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	41923	18.975	ug/l	99
66) Ethyl Benzene	10.25	91	213056	19.075	ug/l	99
67) m/p-Xylenes	10.36	106	156075	38.273	ug/l	100
68) o-Xylene	10.69	106	77358	19.292	ug/l	98
69) Styrene	10.71	104	133773	19.004	ug/l	99
70) Isopropylbenzene	11.02	105	208156	19.303	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	75574	19.136	ug/l	100
72) 1,2,3-Trichloropropane	11.29	75	64746m	19.024	ug/l	
73) Bromobenzene	11.26	156	50343	18.895	ug/l	97
74) n-propylbenzene	11.36	91	246276	19.707	ug/l	100
75) 2-Chlorotoluene	11.42	91	143405	19.132	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	178665	19.559	ug/l	98
77) t-1,4-Dichloro-2-butene	11.07	75	24109	17.562	ug/l	93
78) 4-Chlorotoluene	11.51	91	165487	19.439	ug/l	99
79) tert-butylbenzene	11.77	119	169618	19.208	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	176745	19.305	ug/l	98
81) sec-Butylbenzene	11.94	105	206591	19.691	ug/l	100
82) p-Isopropyltoluene	12.06	119	187620	19.659	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	91431	19.215	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	92377	19.486	ug/l	99
85) n-Butylbenzene	12.38	91	172864	19.795	ug/l	99
86) Hexachloroethane	12.60	117	29930	18.430	ug/l	95
87) 1,2-Dichlorobenzene	12.39	146	92856	19.386	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	17770	19.363	ug/l	97
89) 1,2,4-Trichlorobenzene	13.65	180	67107	19.657	ug/l	100
90) Hexachlorobutadiene	13.78	225	35390	20.753	ug/l	99
91) Naphthalene	13.83	128	217003	19.414	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	69561	20.044	ug/l	99

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

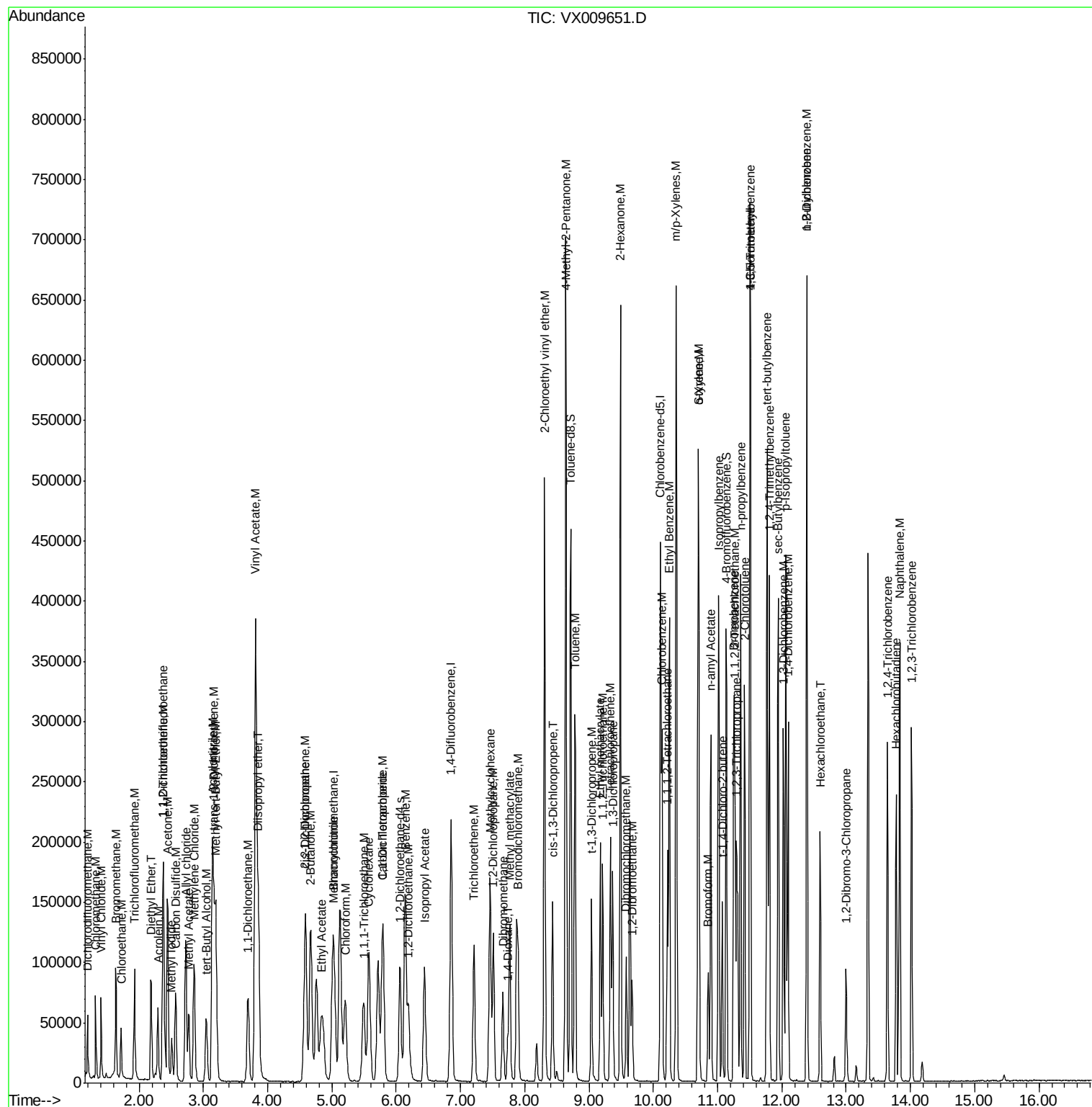
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX051719\
 Data File : VX009651.D
 Acq On : 17 May 2019 09:45
 Operator : JC/SP
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 Misc : 5.0mL/MSVOA X/WATER
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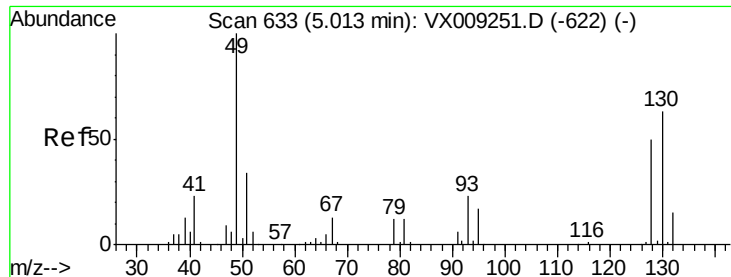
Instrument :
 MSVOA_X
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#1

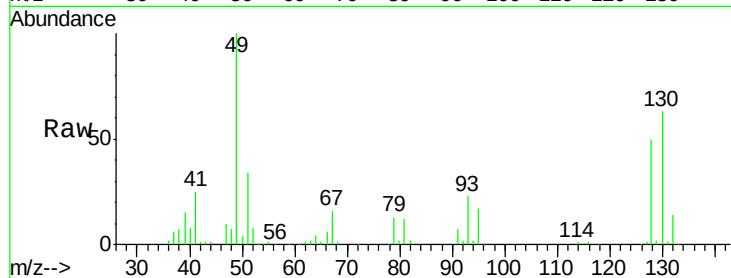
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.00 min
Lab File: VX009651.D
Acq: 17 May 2019 09:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

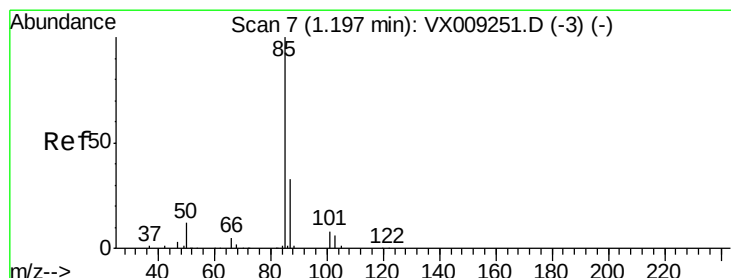
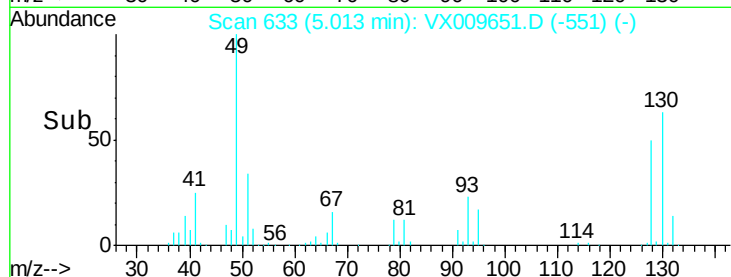
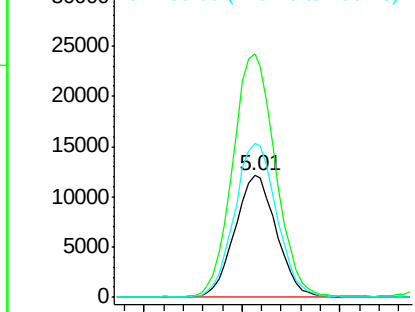
Tot Ion	Ratio	Lower	Upper
128	100		
49	204.7	0.0	515.0
130	128.1	0.0	323.3

Manual Integrations
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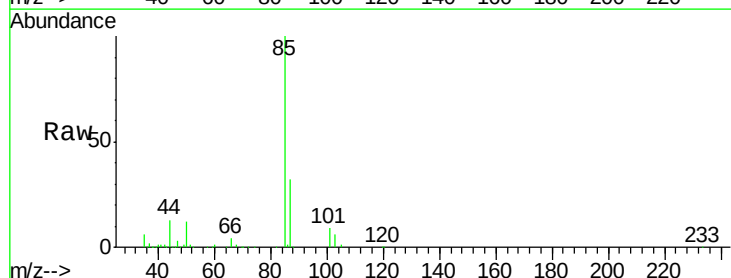
Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VX0
Ion 130.00 (129.70 to 130.70): V



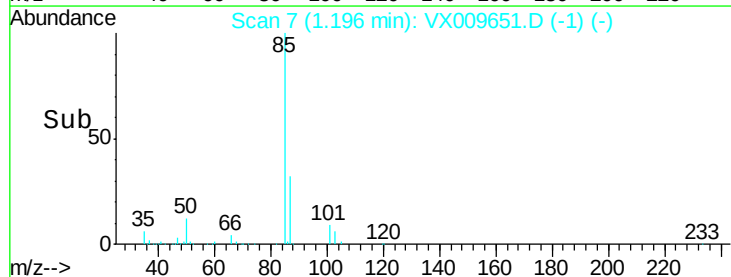
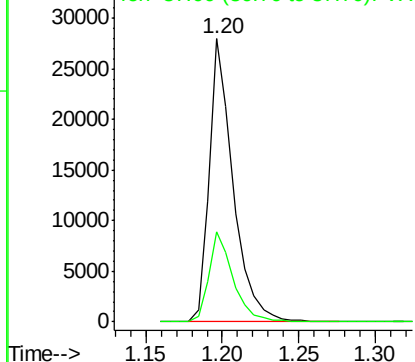
#2

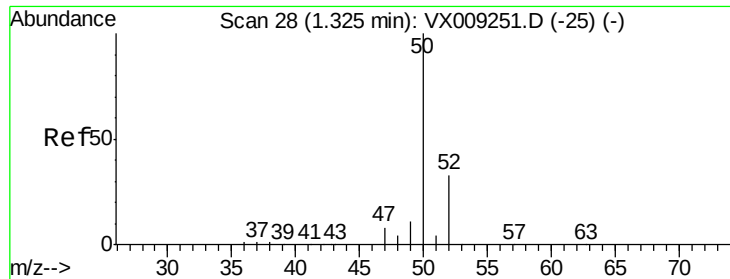
Dichlorodifluoromethane
Concen: 16.000 ug/l
RT: 1.20 min Scan# 7
Delta R.T. -0.00 min
Lab File: VX009651.D
Acq: 17 May 2019 09:45

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.0	16.3	48.9



Abundance Ion 85.00 (84.70 to 85.70): VX0
Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 17.296 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009651.D

Acq: 17 May 2019 09:45

Tot Ion: 50 Resp: 44368

Ion Ratio Lower Upper

50 100

52 31.7 26.3 39.5

Instrument :

MSVOA_X

ClientSampleId :

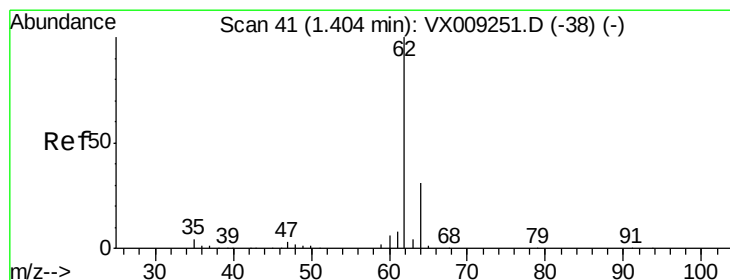
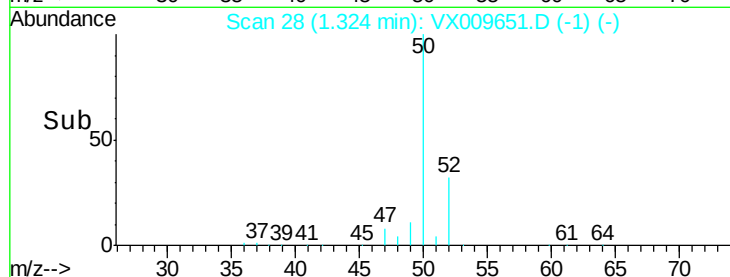
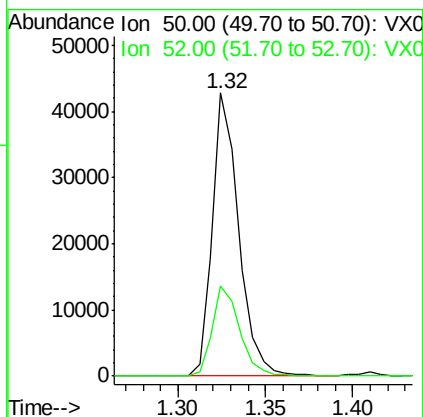
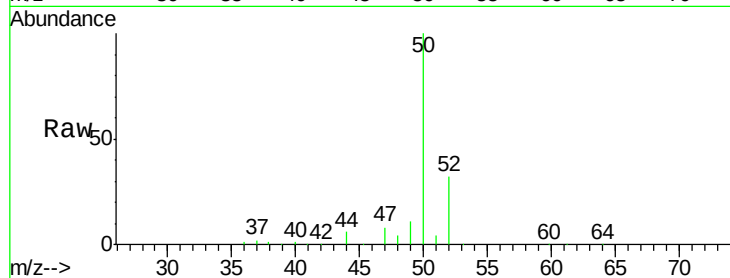
VSTDCCC020

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.445 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX009651.D

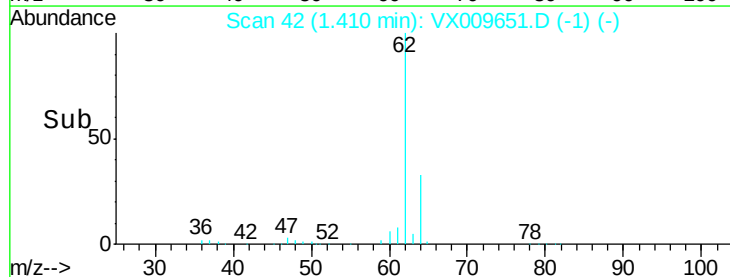
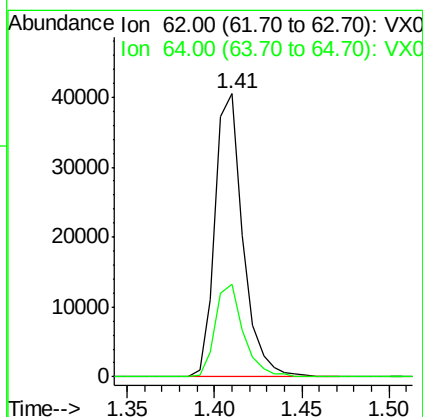
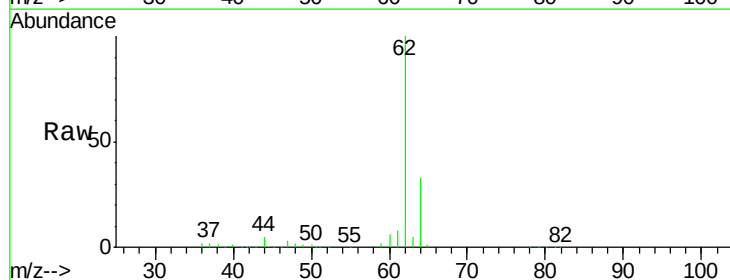
Acq: 17 May 2019 09:45

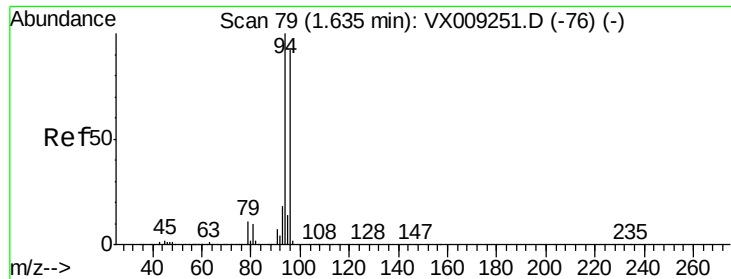
Tgt Ion: 62 Resp: 44643

Ion Ratio Lower Upper

62 100

64 32.6 24.6 36.8





#5

Bromomethane

Concen: 18.409 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009651.D

Acq: 17 May 2019 09:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 94 Resp: 29863

Ion Ratio Lower Upper

94 100

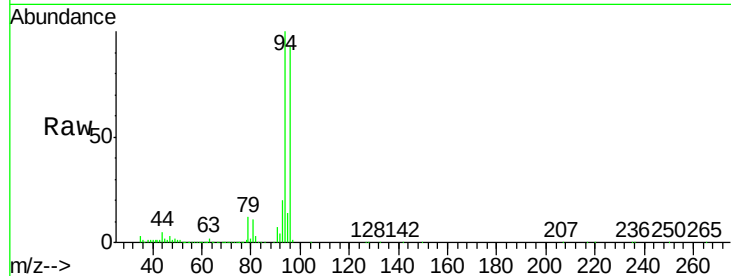
96 92.5 73.5 110.3

Manual Integrations

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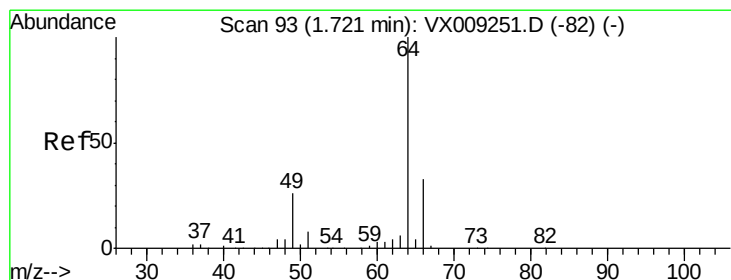
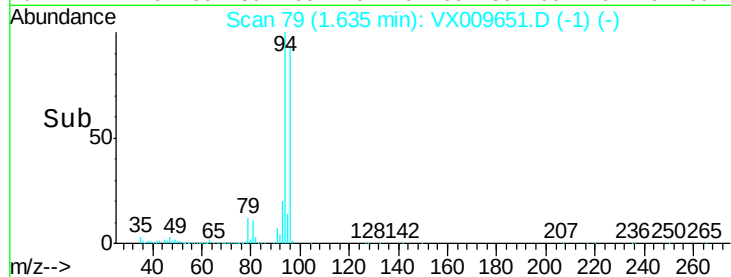
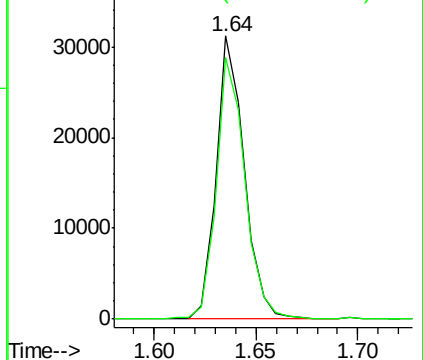
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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 17.364 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX009651.D

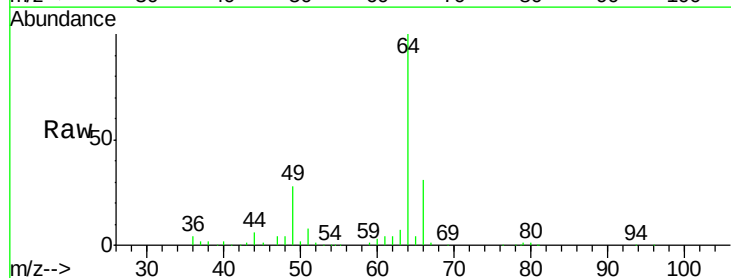
Acq: 17 May 2019 09:45

Tgt Ion: 64 Resp: 29141

Ion Ratio Lower Upper

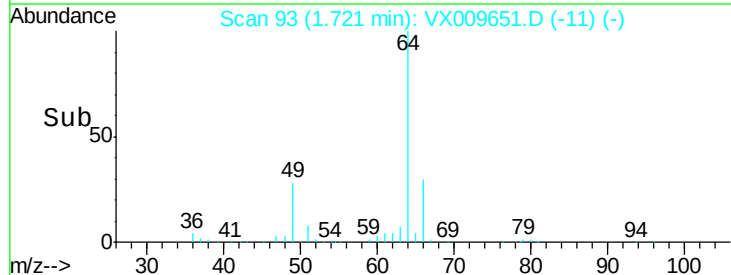
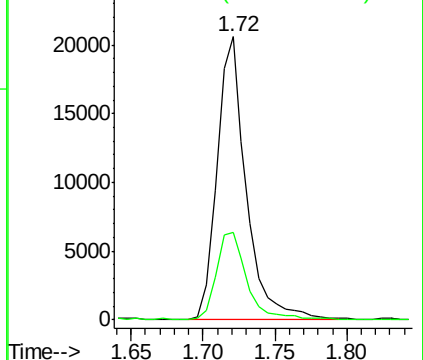
64 100

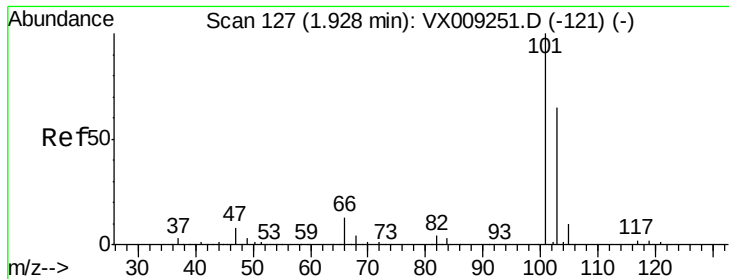
66 31.0 25.9 38.9



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

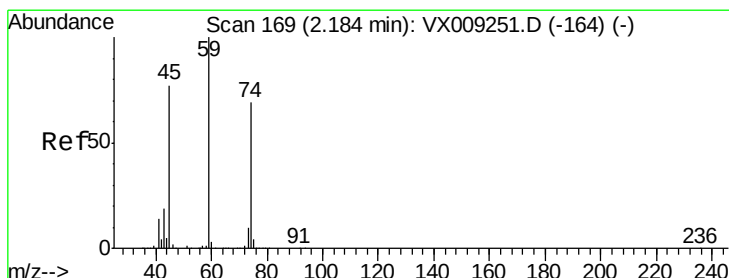
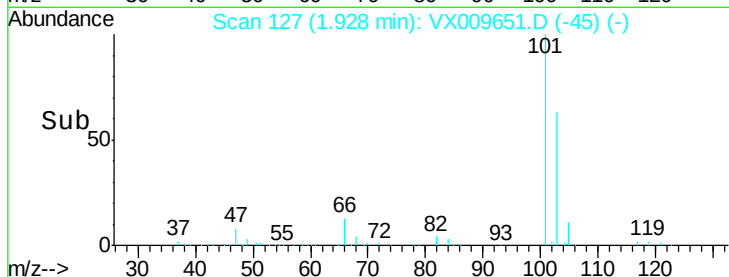
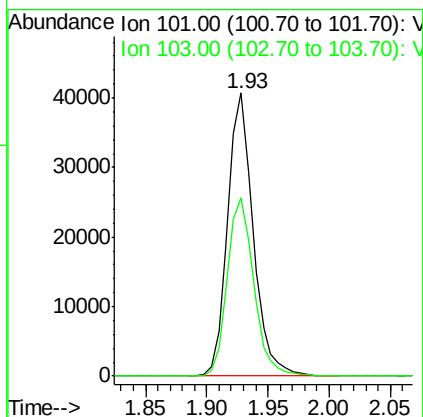
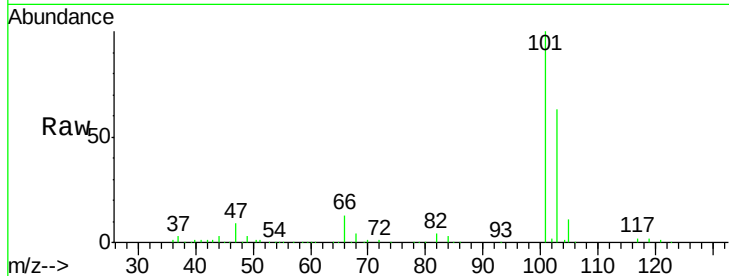
Trichlorofluoromethane
Concen: 18.631 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX009651.D
Acq: 17 May 2019 09:45

Instrument :
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ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.2	51.9	77.9

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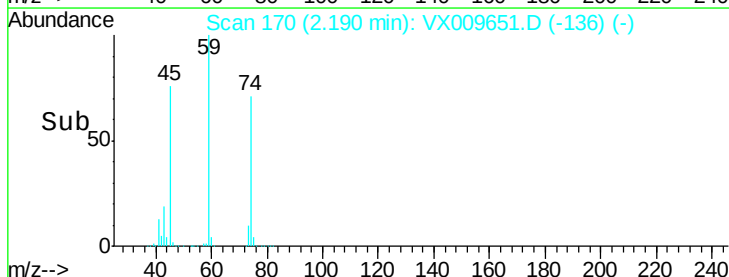
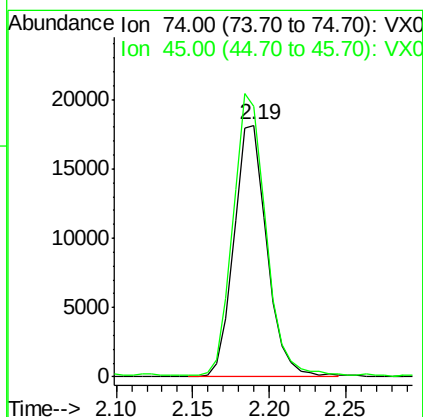
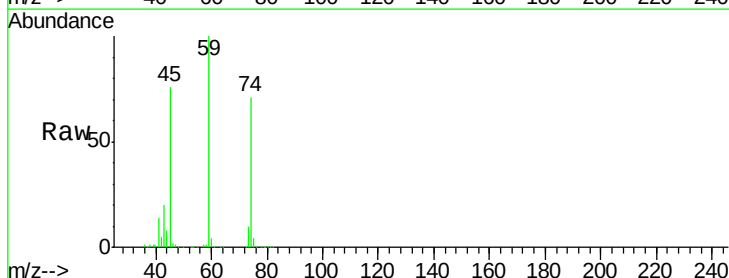
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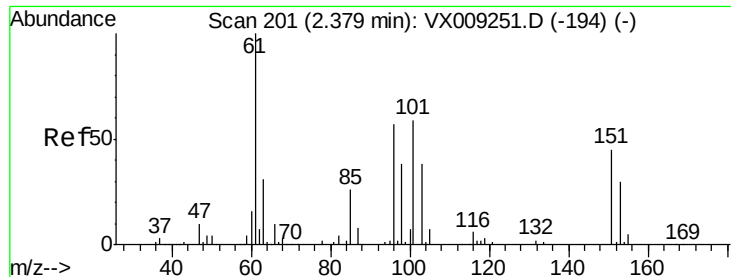


#8

Diethyl Ether
Concen: 18.451 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX009651.D
Acq: 17 May 2019 09:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	112.5	21.5	193.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.835 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009651.D

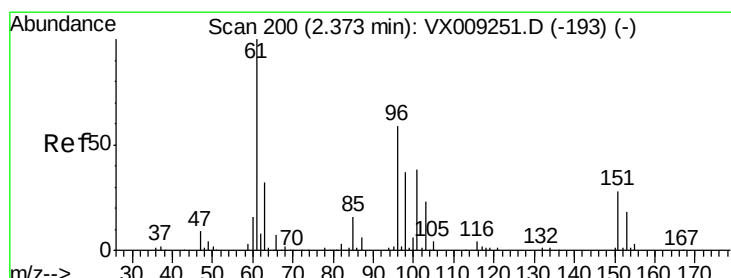
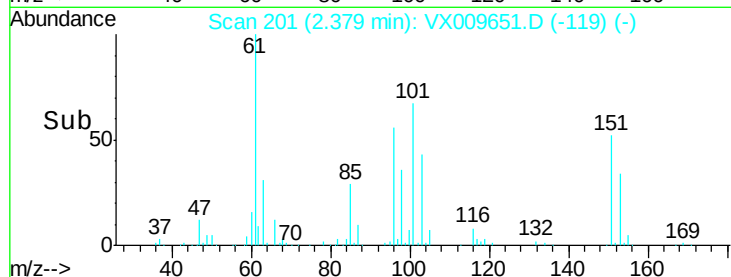
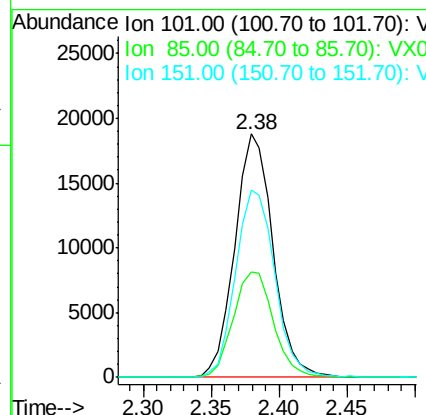
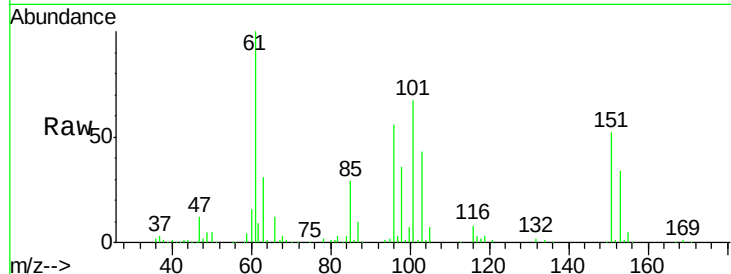
Acq: 17 May 2019 09:45

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
101	100	36851		
85	45.2	0.0	87.4	
151	79.1	0.0	157.0	

Manual Integrations
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5/20/2019 11:16:37 AM



#10

1,1-Dichloroethene

Concen: 18.023 ug/l

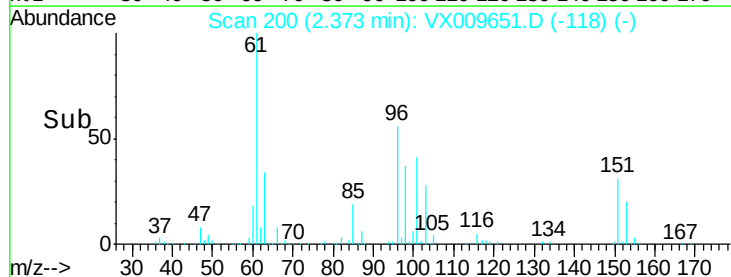
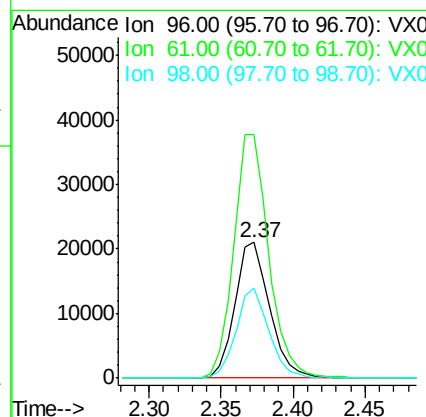
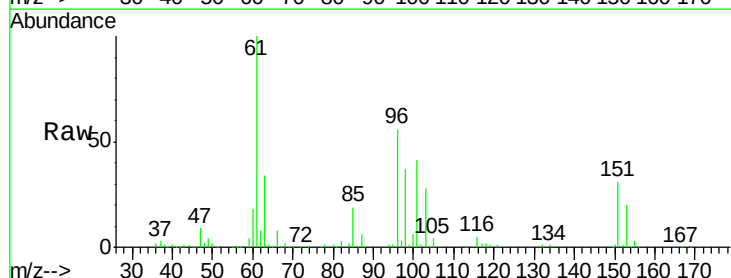
RT: 2.37 min Scan# 200

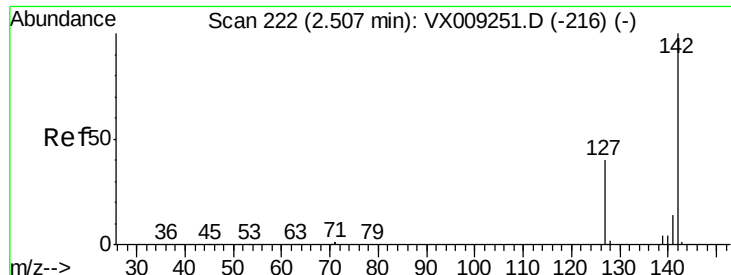
Delta R.T. -0.00 min

Lab File: VX009651.D

Acq: 17 May 2019 09:45

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	35405		
61	179.0	136.5	204.7	
98	66.6	51.0	76.4	





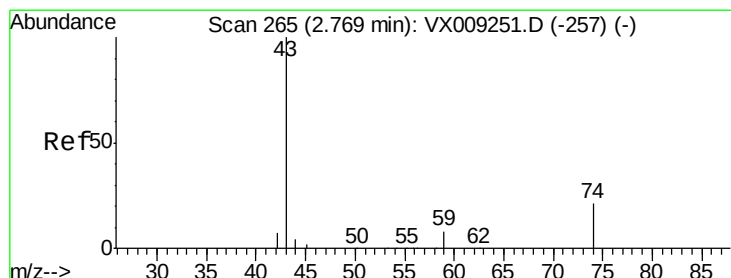
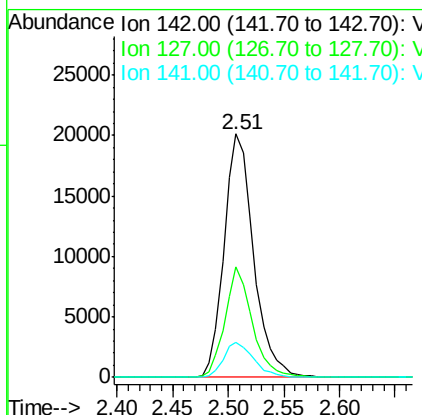
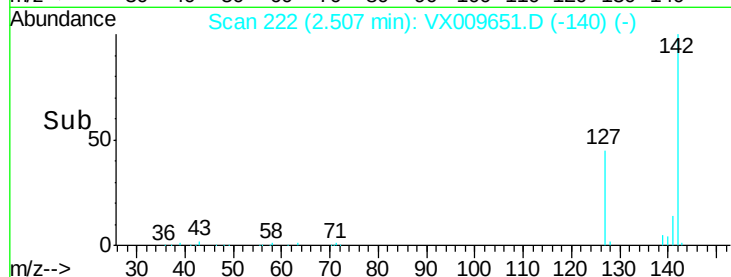
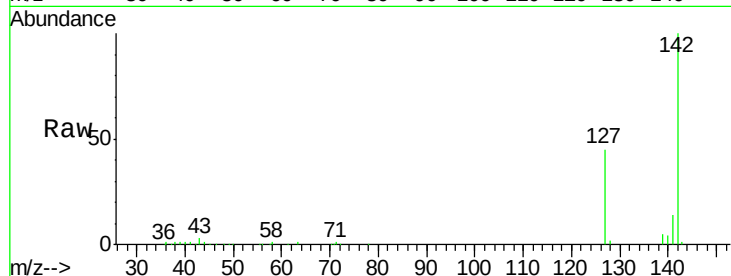
#11
Methvl Iodide
Concen: 17.318 ug/l
RT: 2.51 min Scan# 222
Delta R.T. -0.00 min
Lab File: VX009651.D
Acq: 17 May 2019 09:45

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	45.4	20.2	60.5
141	14.4	6.9	20.7

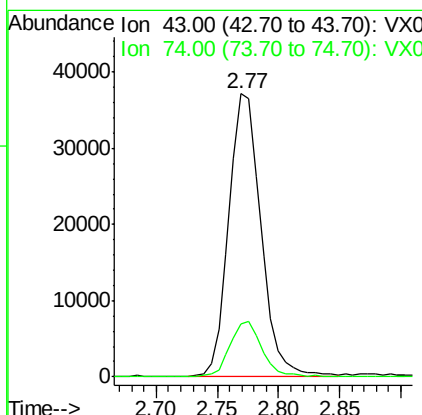
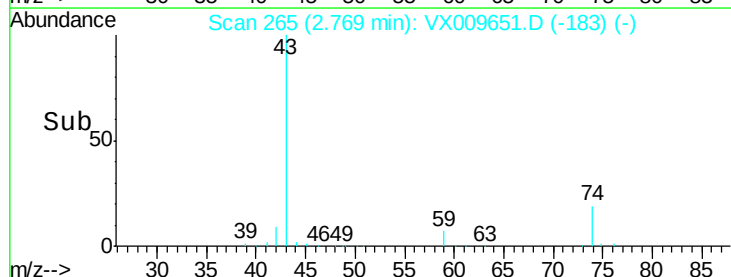
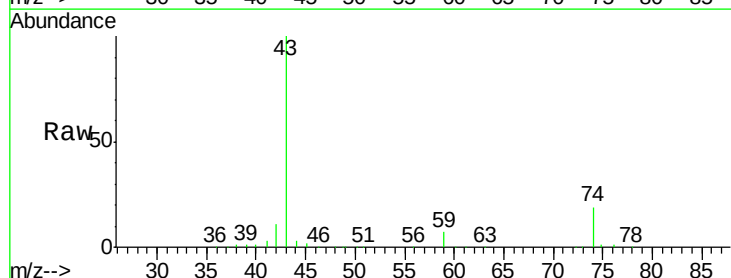
Manual Integrations
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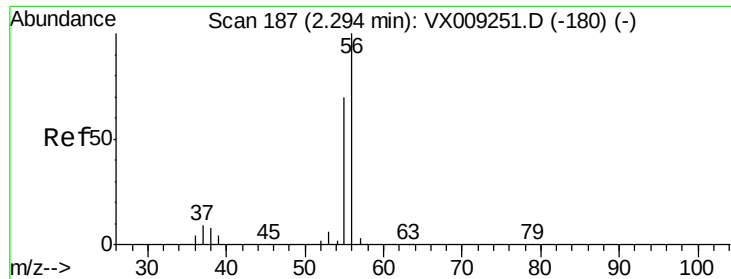
MMDadoda
5/20/2019 11:16:37 AM



#12
Methyl Acetate
Concen: 18.209 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.00 min
Lab File: VX009651.D
Acq: 17 May 2019 09:45

Tgt Ion	Ratio	Lower	Upper
43	100		
74	18.6	16.5	24.7





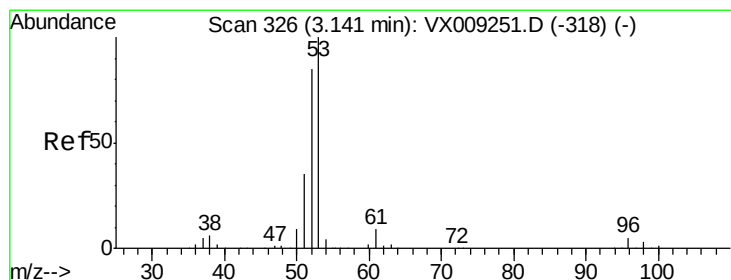
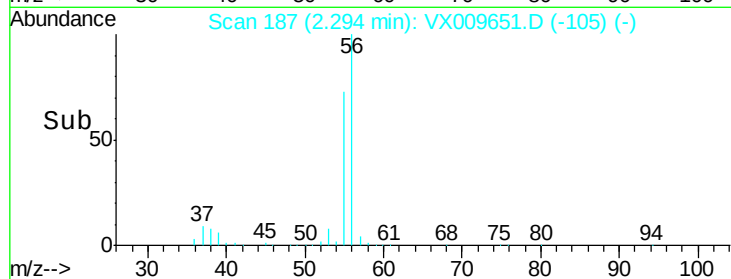
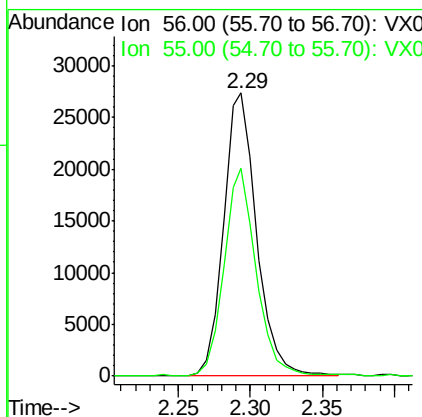
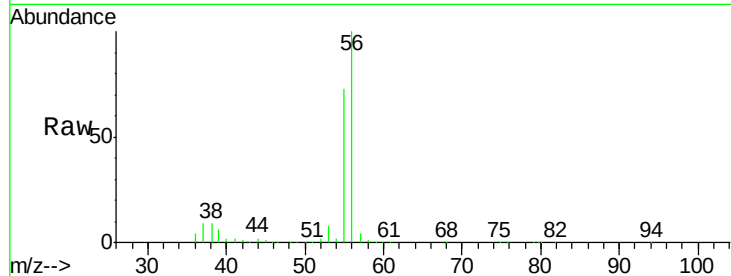
#13
Acrolein
Concen: 86.654 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX009651.D
Acq: 17 May 2019 09:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	56	Resp	43977
Ion Ratio	100	Lower	Upper
55	71.6	56.9	85.3

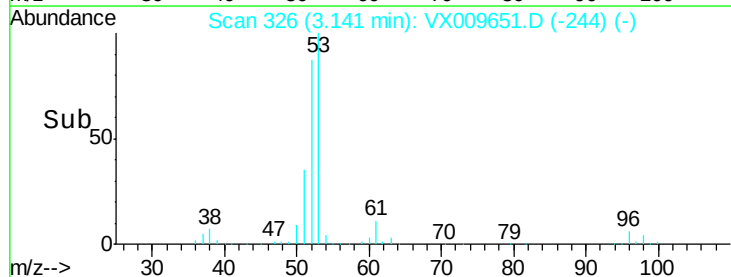
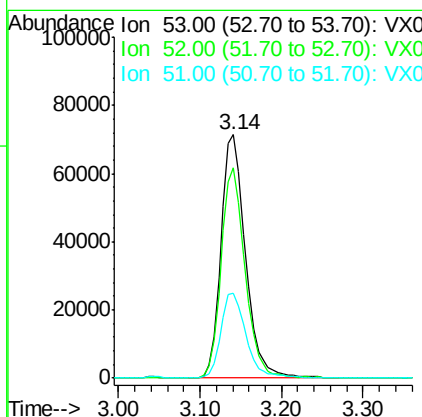
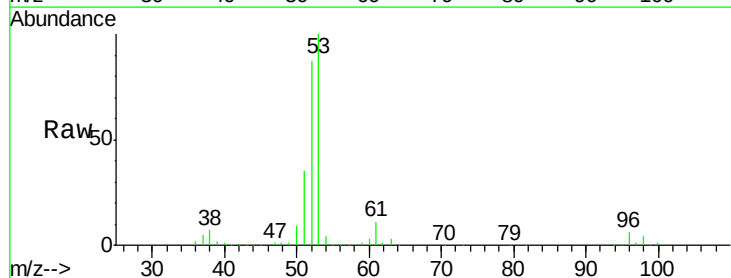
Manual Integrations
APPROVED

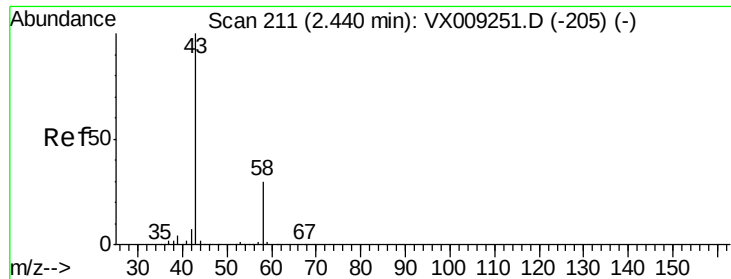
MMDadoda
5/20/2019 11:16:37 AM



#14
Acrylonitrile
Concen: 92.686 ug/l
RT: 3.14 min Scan# 326
Delta R.T. -0.00 min
Lab File: VX009651.D
Acq: 17 May 2019 09:45

Tgt Ion	53	Resp	148837
Ion Ratio	100	Lower	Upper
52	83.9	41.5	124.5
51	36.1	17.8	53.3





#15

Acetone

Concen: 106.780 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX009651.D

Acq: 17 May 2019 09:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 58 Resp: 49231

Ion Ratio Lower Upper

58 100

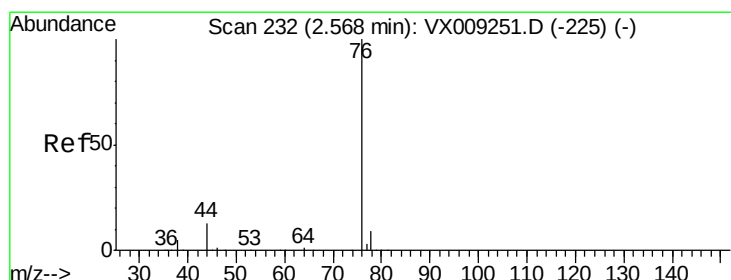
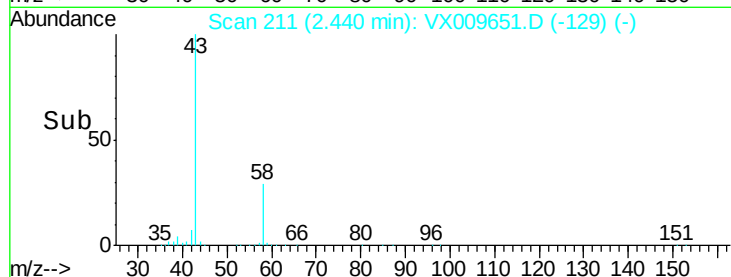
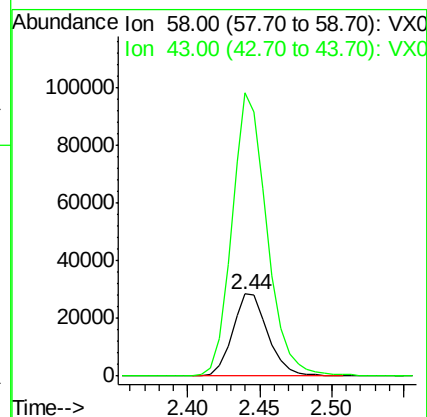
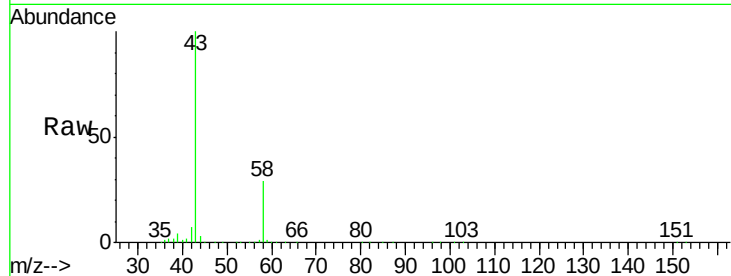
43 345.9 264.0 396.0

Manual Integrations

APPROVED

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#16

Carbon Disulfide

Concen: 17.479 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX009651.D

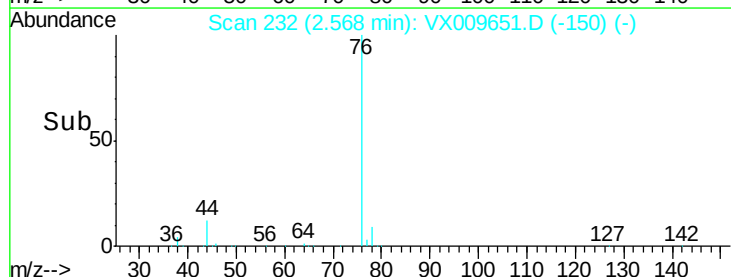
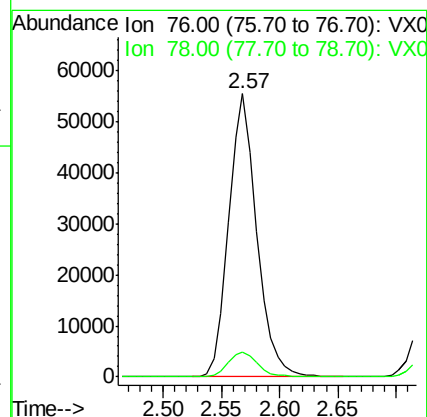
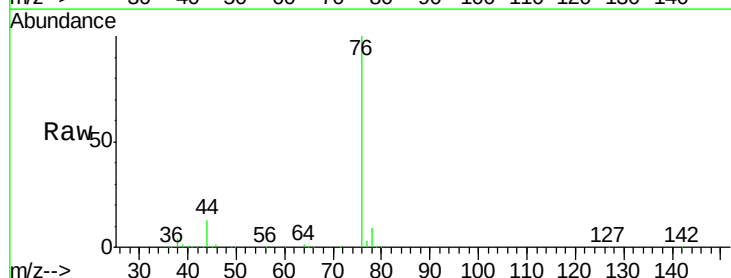
Acq: 17 May 2019 09:45

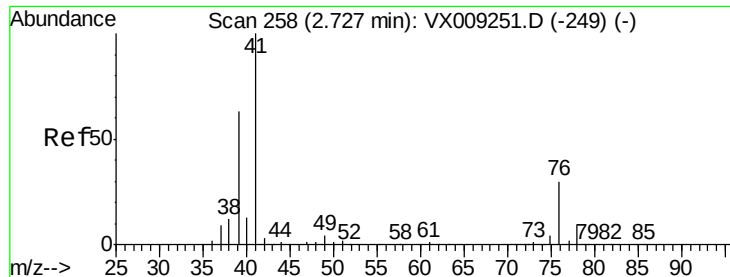
Tgt Ion: 76 Resp: 92907

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.2





#17

Allvl chloride

Concen: 18.393 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009651.D

Acq: 17 May 2019 09:45

Instrument :

MSVOA_X

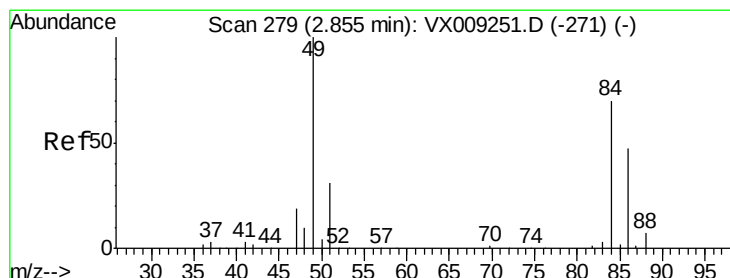
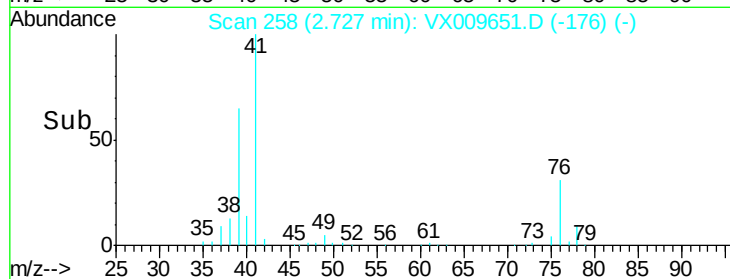
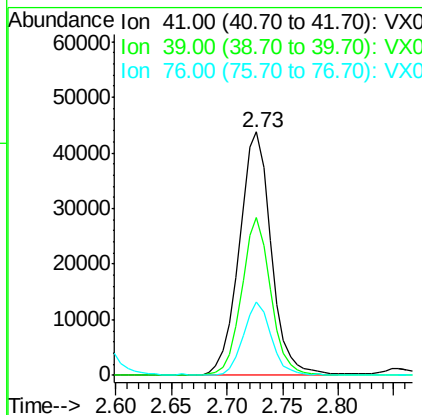
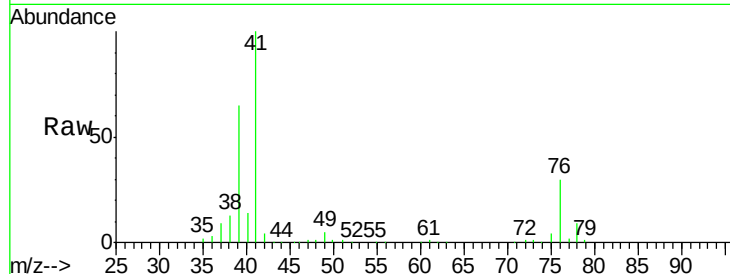
ClientSampleId :

VSTDCCC020

Tot Ion:	41	Resp:	86748
Ion	Ratio	Lower	Upper
41	100		
39	64.8	31.6	94.7
76	30.3	15.1	45.3

Manual Integrations
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#18

Methylene Chloride

Concen: 18.472 ug/l

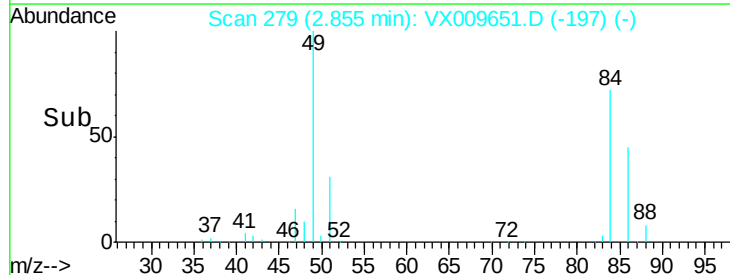
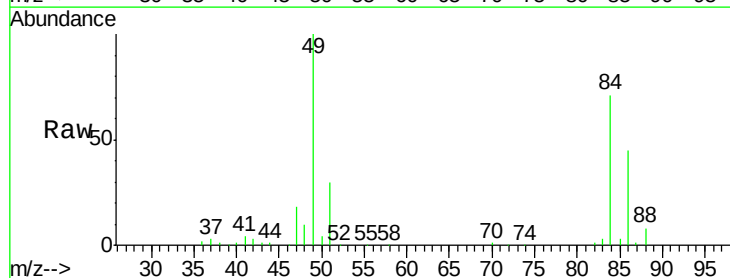
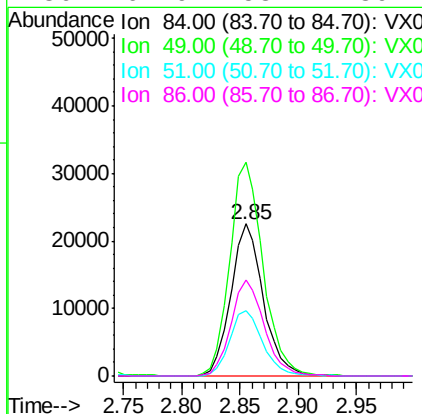
RT: 2.85 min Scan# 279

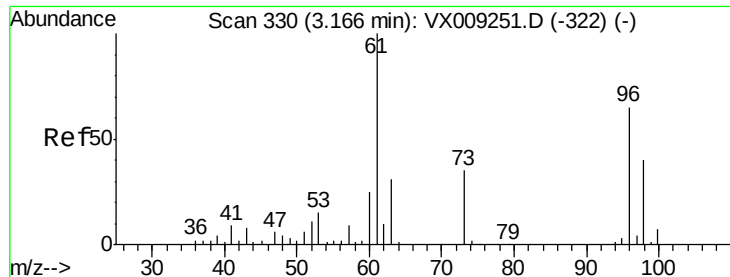
Delta R.T. -0.00 min

Lab File: VX009651.D

Acq: 17 May 2019 09:45

Tgt Ion:	84	Resp:	43855
Ion	Ratio	Lower	Upper
84	100		
49	140.5	114.6	171.8
51	42.6	35.5	53.3
86	62.9	53.4	80.2





#19

trans-1,2-Dichloroethene

Concen: 18.419 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX009651.D

Acq: 17 May 2019 09:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 96 Resp: 38580

Ion Ratio Lower Upper

96 100

61 153.2 122.7 184.1

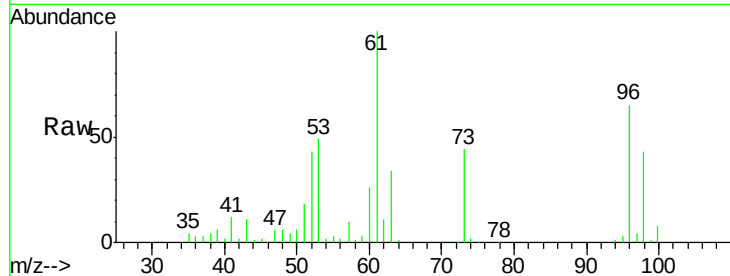
98 65.3 49.5 74.3

Manual Integrations

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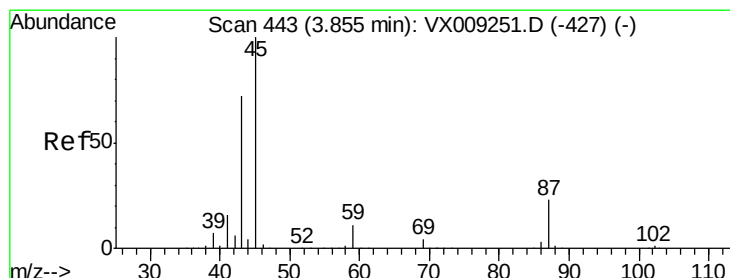
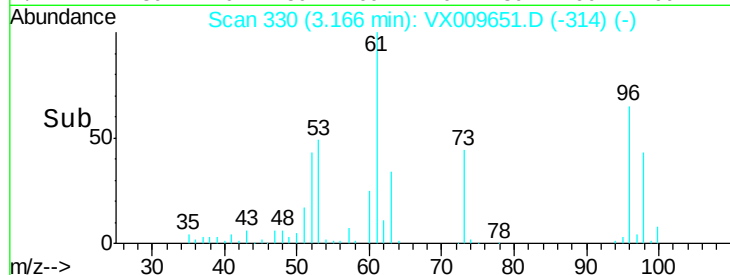
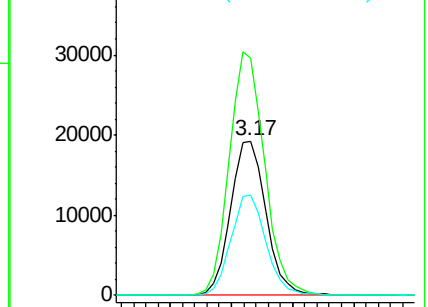


Abundance

Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#20

Diisopropyl ether

Concen: 18.989 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX009651.D

Acq: 17 May 2019 09:45

Tgt Ion: 45 Resp: 176358

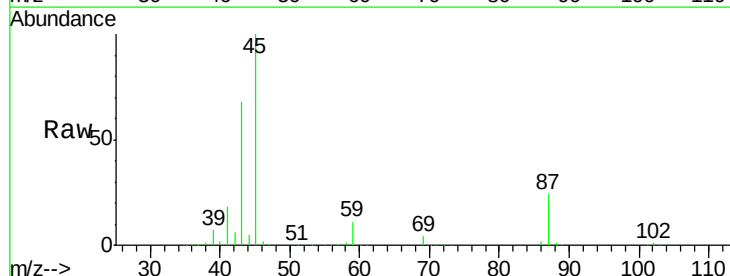
Ion Ratio Lower Upper

45 100

43 67.8 57.7 86.5

87 23.5 18.5 27.7

59 10.9 8.8 13.2



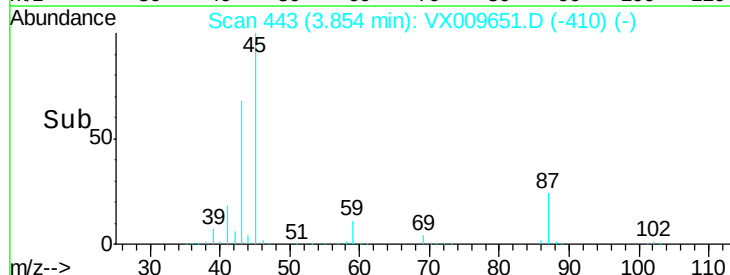
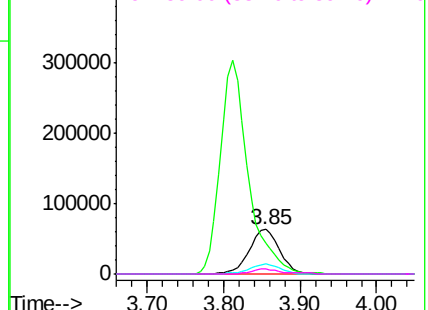
Abundance

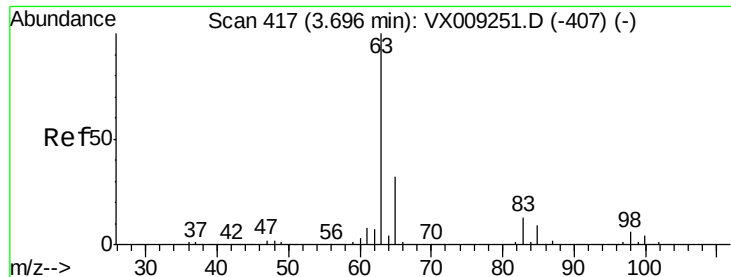
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#21

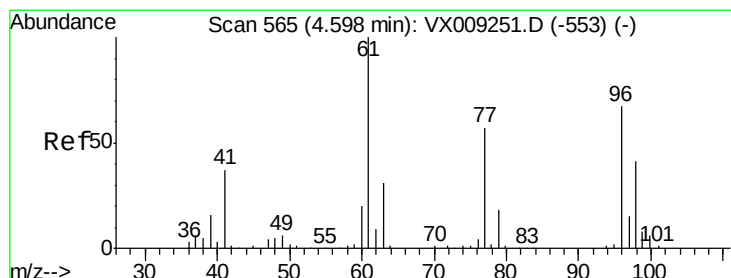
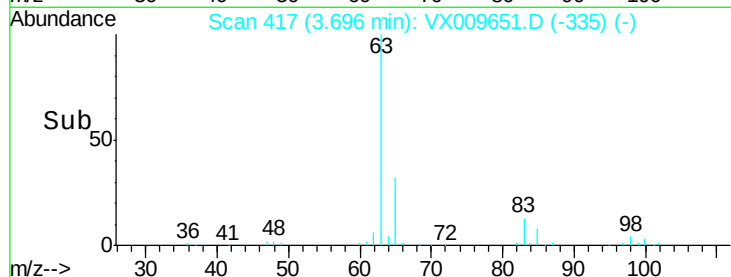
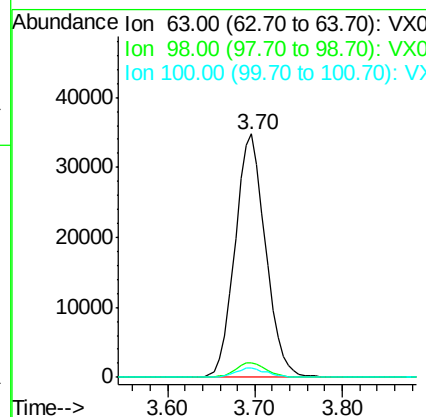
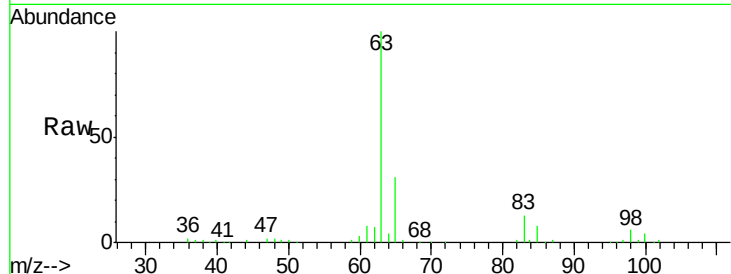
1,1-Dichloroethane
Concen: 18.767 ug/l
RT: 3.70 min Scan# 417
Delta R.T. -0.00 min
Lab File: VX009651.D
Acq: 17 May 2019 09:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
98	6.0	3.1	9.3
100	3.7	2.2	6.6

Manual Integrations
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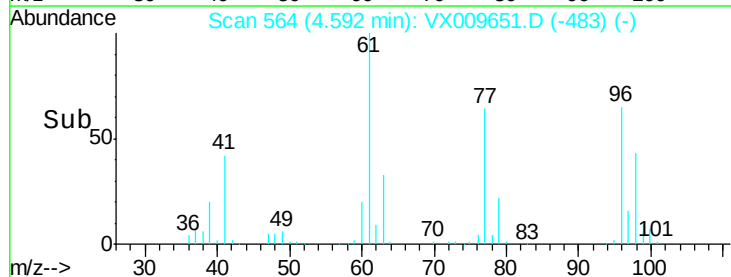
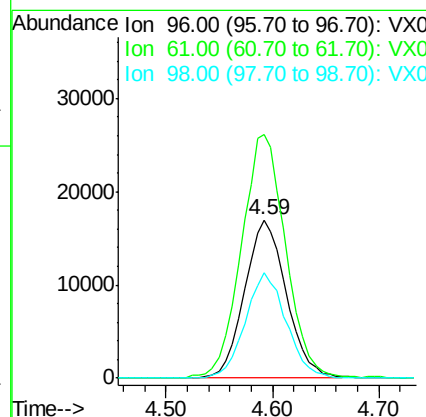
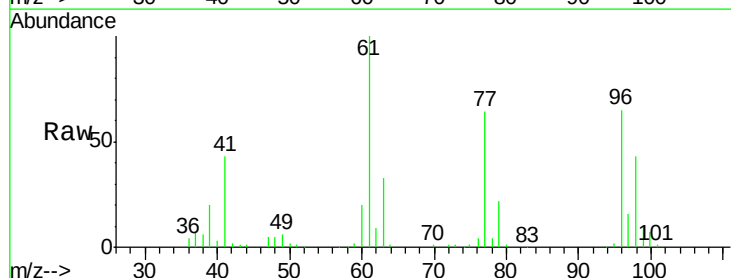
MMDadoda
5/20/2019 11:16:37 AM

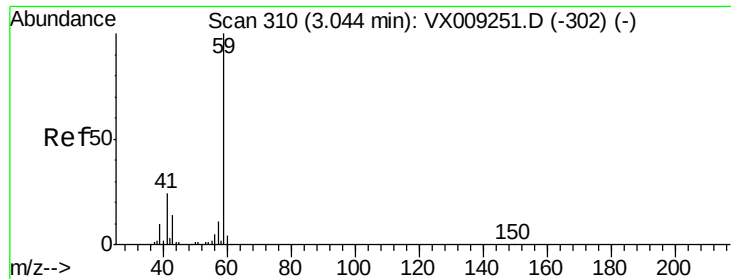


#22

cis-1,2-Dichloroethene
Concen: 18.518 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX009651.D
Acq: 17 May 2019 09:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.9	127.7	191.5
98	65.1	50.5	75.7





#23

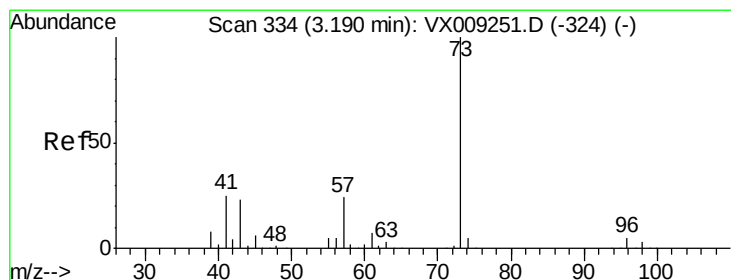
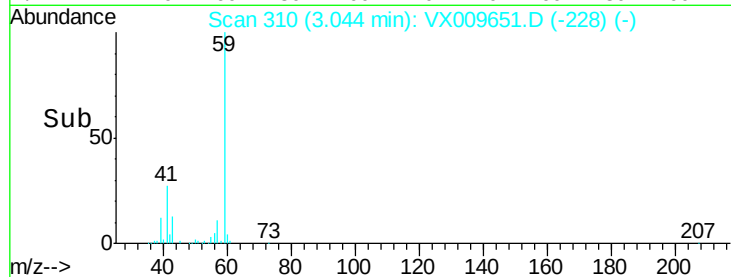
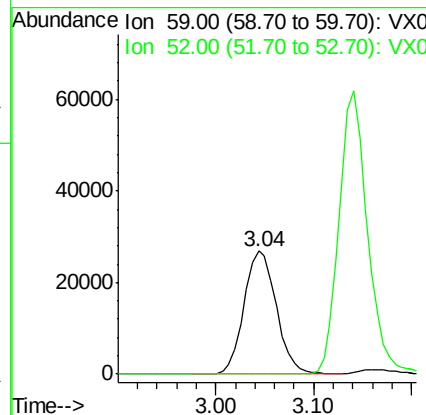
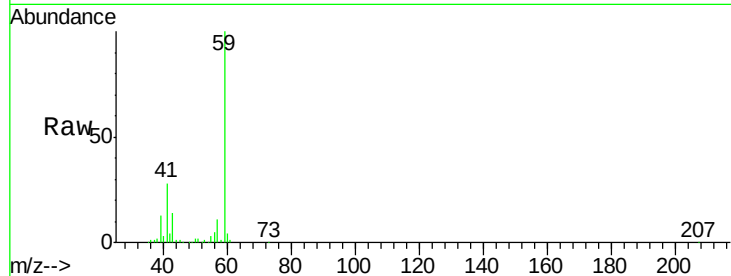
tert-Butyl Alcohol
 Concen: 91.189 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. -0.00 min
 Lab File: VX009651.D
 Acq: 17 May 2019 09:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion: 59 Resp: 61918
 Ion Ratio Lower Upper
 59 100
 52 0.4 0.2 0.2#

Manual Integrations
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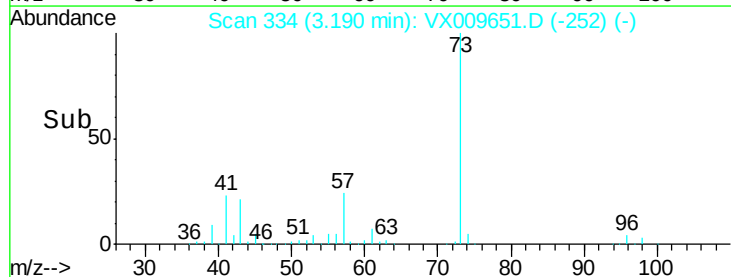
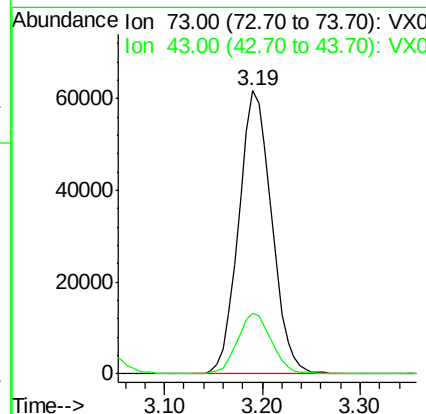
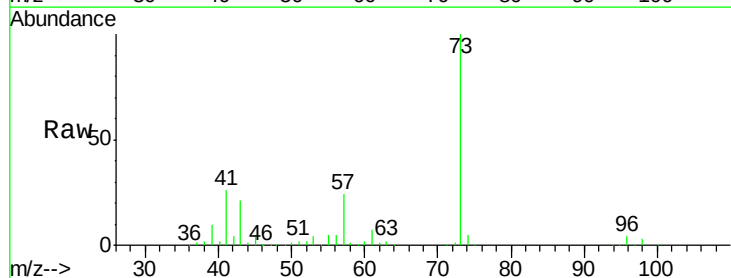
MMDadoda
 5/20/2019 11:16:37 AM

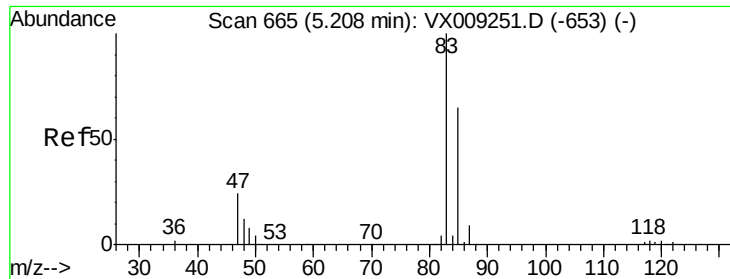


#24

Methyl tert-Butyl Ether
 Concen: 18.806 ug/l
 RT: 3.19 min Scan# 334
 Delta R.T. -0.00 min
 Lab File: VX009651.D
 Acq: 17 May 2019 09:45

Tgt Ion: 73 Resp: 144582
 Ion Ratio Lower Upper
 73 100
 43 21.6 17.6 26.4





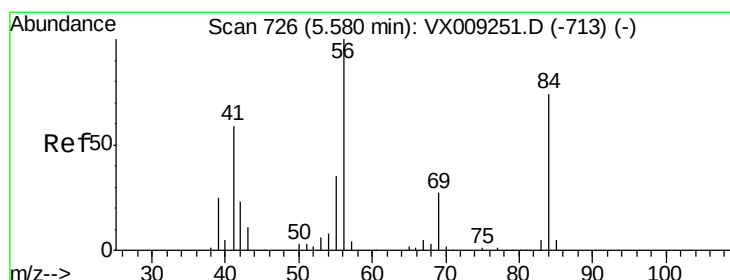
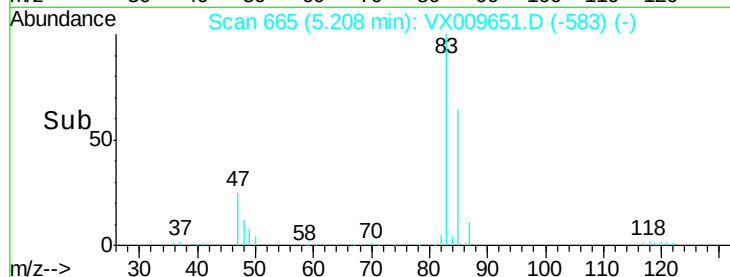
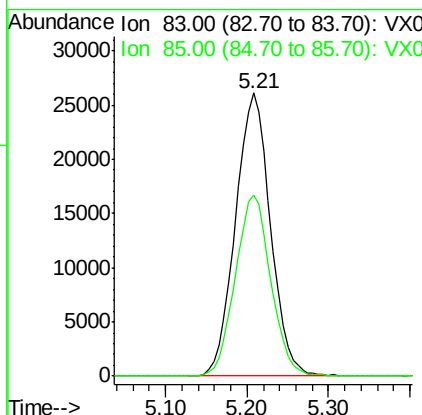
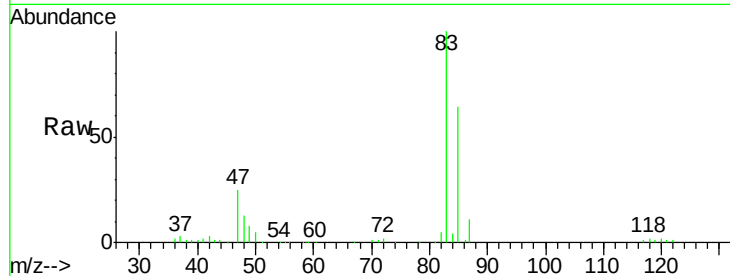
#25
Chloroform
Concen: 18.917 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.00 min
Lab File: VX009651.D
Acq: 17 May 2019 09:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	83	Resp	77591
Ion Ratio	100	Lower	Upper
85	64.1	51.9	77.9

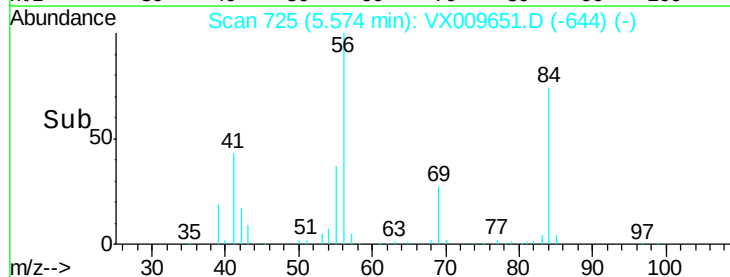
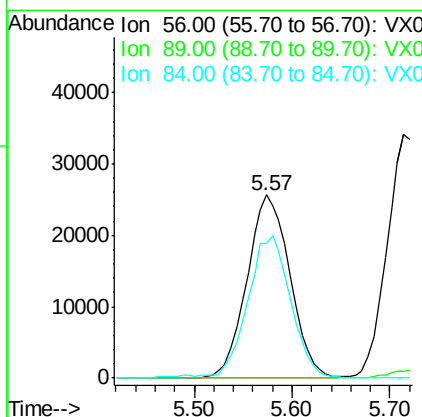
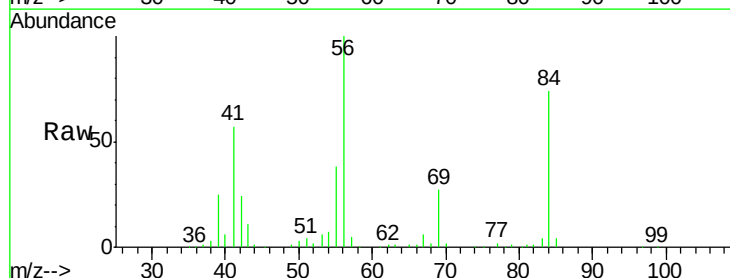
Manual Integrations
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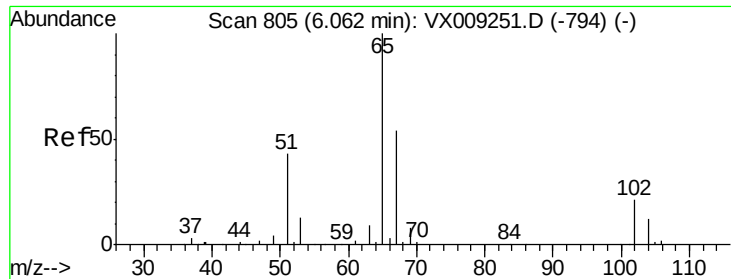
MMDadoda
5/20/2019 11:16:37 AM



#26
Cyclohexane
Concen: 18.675 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.01 min
Lab File: VX009651.D
Acq: 17 May 2019 09:45

Tgt Ion	56	Resp	78229
Ion Ratio	100	Lower	Upper
89	0.1	0.0	0.0#
84	77.6	59.7	89.5





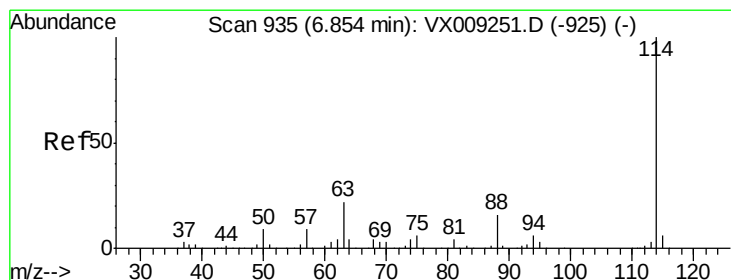
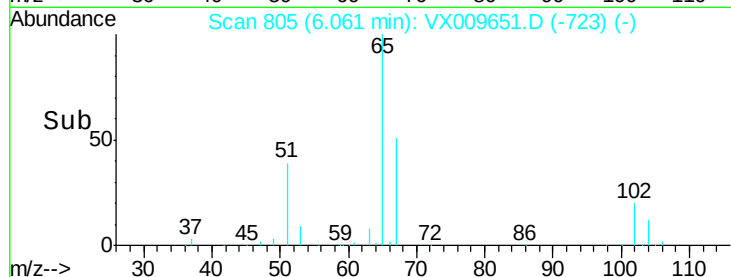
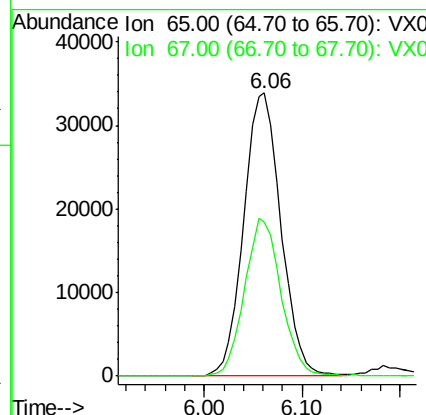
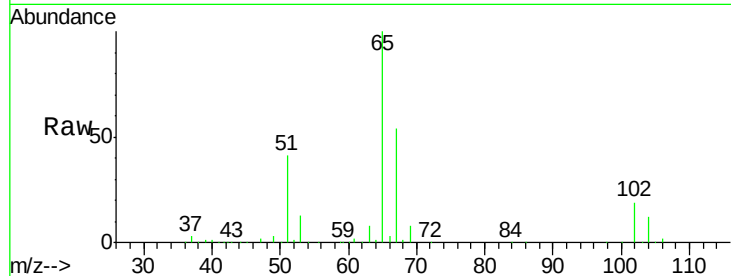
#27
 1,2-Dichloroethane-d4
 Concen: 30.001 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009651.D
 Acq: 17 May 2019 09:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion: 65 Resp: 89386
 Ion Ratio Lower Upper
 65 100
 67 54.5 43.1 64.7

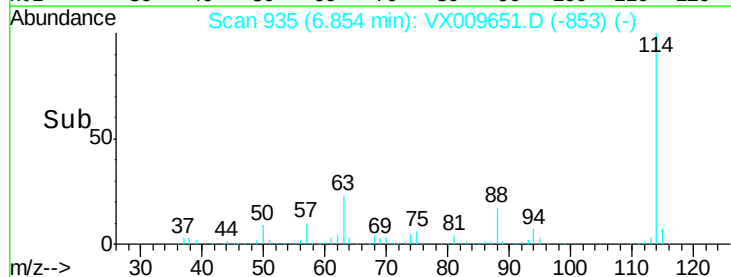
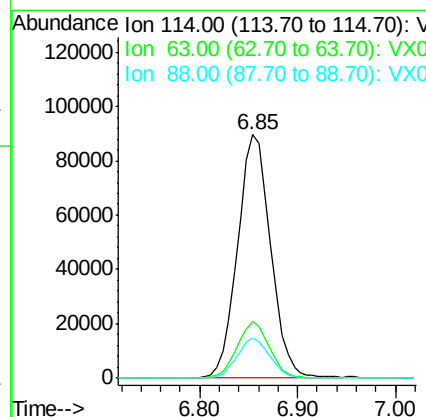
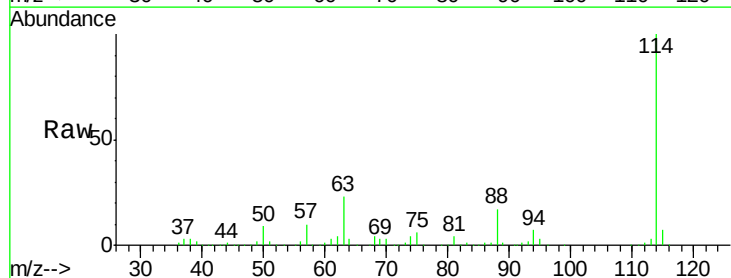
Manual Integrations
 APPROVED

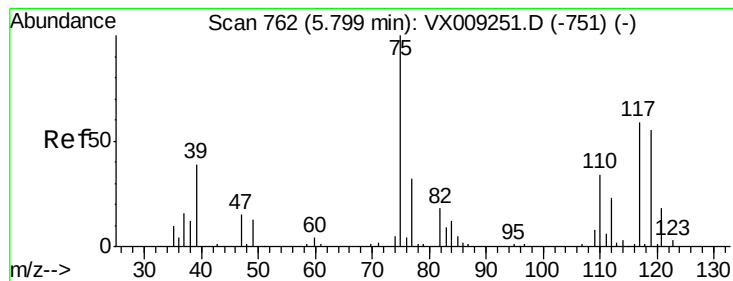
MMDadoda
 5/20/2019 11:16:37 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.00 min
 Lab File: VX009651.D
 Acq: 17 May 2019 09:45

Tgt Ion: 114 Resp: 210291
 Ion Ratio Lower Upper
 114 100
 63 22.9 18.0 27.0
 88 16.5 13.4 20.0





#29

1,1-Dichloropropene

Concen: 18.978 ug/l

RT: 5.79 min Scan# 761

Delta R.T. -0.01 min

Lab File: VX009651.D

Acq: 17 May 2019 09:45

Instrument :

MSVOA_X

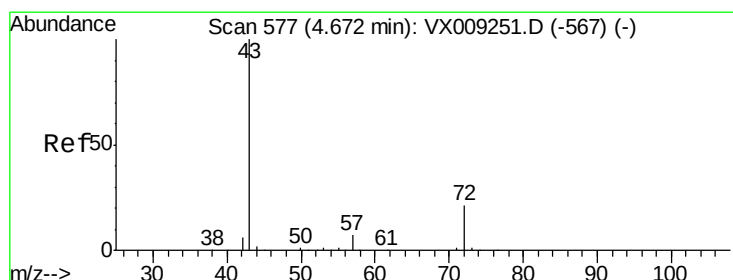
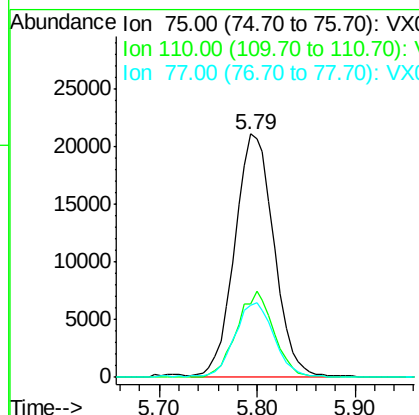
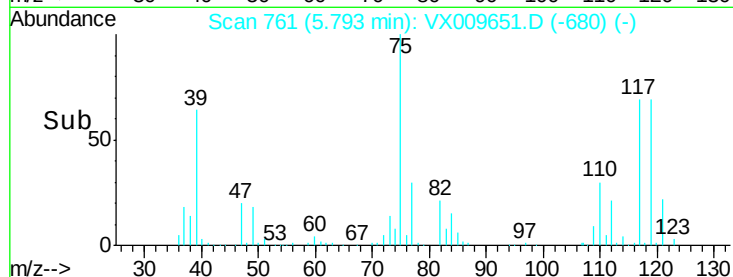
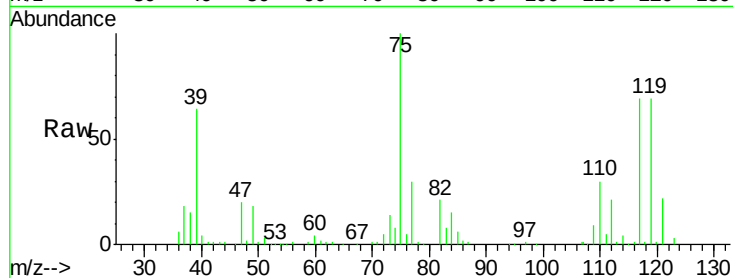
ClientSampleId :

VSTDCCC020

Tot Ion:	75	Resp:	58559
Ion Ratio	Lower	Upper	
75	100		
110	33.6	0.0	66.4
77	30.9	0.0	62.2

Manual Integrations
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#30

2-Butanone

Concen: 97.254 ug/l

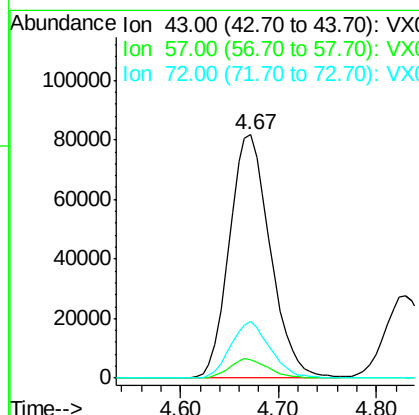
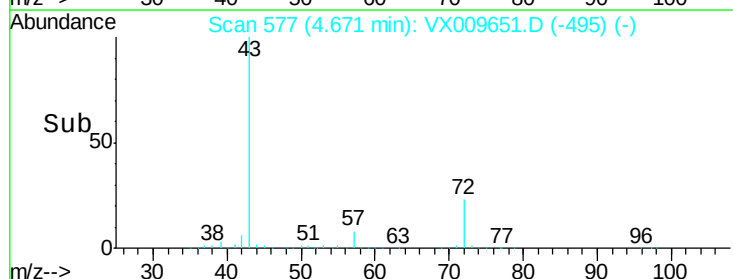
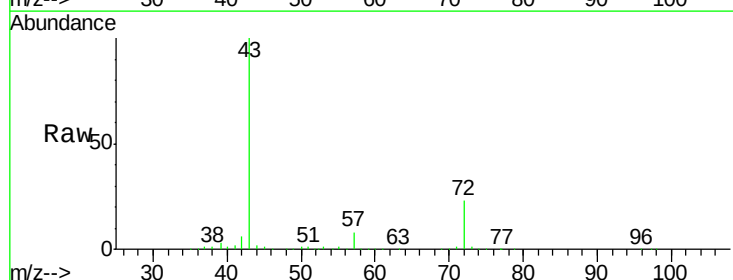
RT: 4.67 min Scan# 577

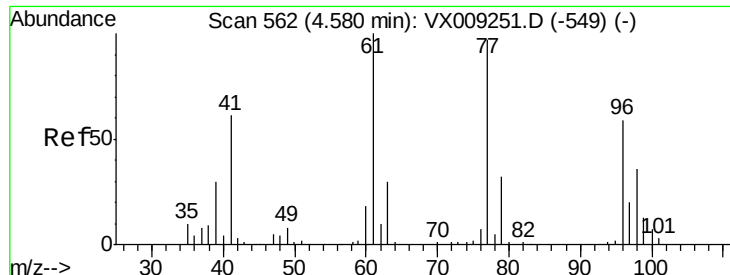
Delta R.T. -0.00 min

Lab File: VX009651.D

Acq: 17 May 2019 09:45

Tgt Ion:	43	Resp:	235016
Ion Ratio	Lower	Upper	
43	100		
57	7.7	6.0	9.0
72	22.7	18.2	27.4





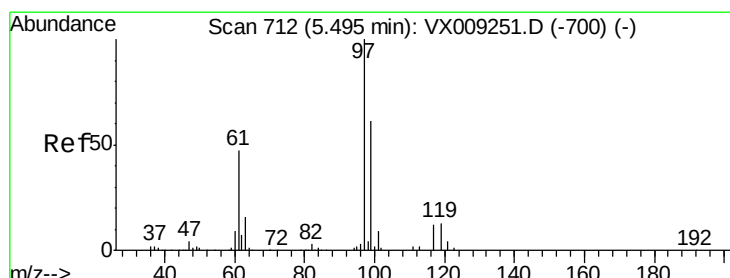
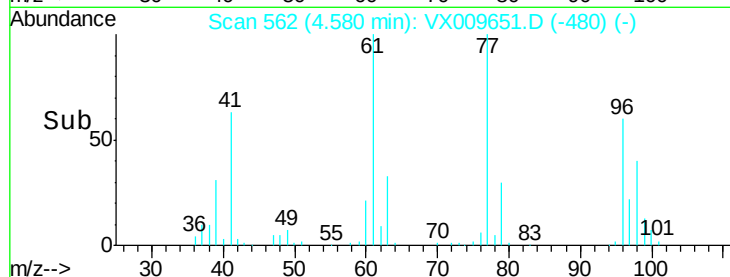
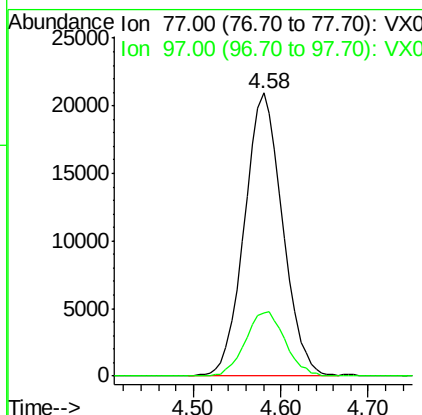
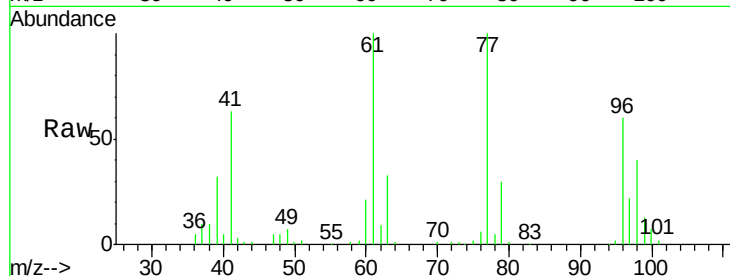
#31
 2,2-Dichloropropane
 Concen: 18.719 ug/l
 RT: 4.58 min Scan# 562
 Delta R.T. -0.00 min
 Lab File: VX009651.D
 Acq: 17 May 2019 09:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion: 77 Resp: 63676
 Ion Ratio Lower Upper
 77 100
 97 23.8 18.3 27.5

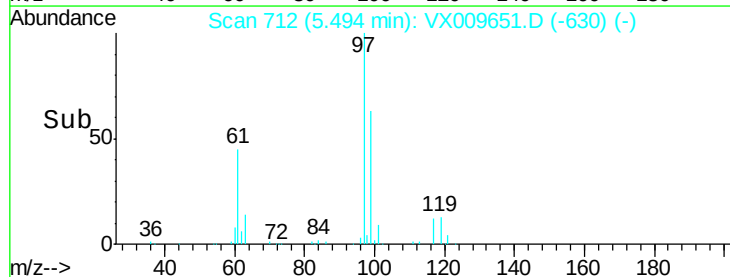
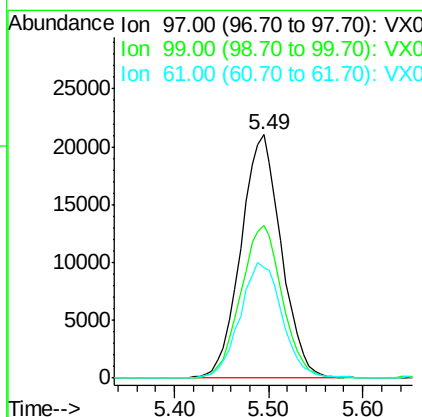
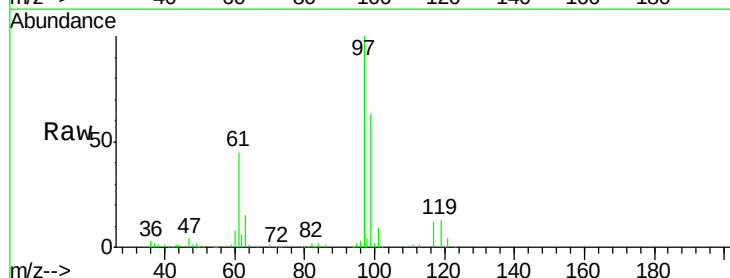
Manual Integrations
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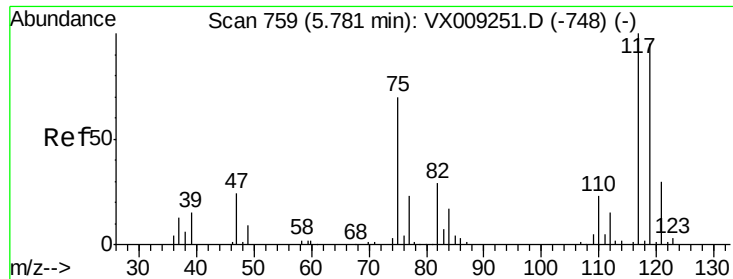
MMDadoda
 5/20/2019 11:16:37 AM



#32
 1,1,1-Trichloroethane
 Concen: 18.917 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.00 min
 Lab File: VX009651.D
 Acq: 17 May 2019 09:45

Tgt Ion: 97 Resp: 63279
 Ion Ratio Lower Upper
 97 100
 99 64.3 53.9 80.9
 61 49.5 38.6 58.0





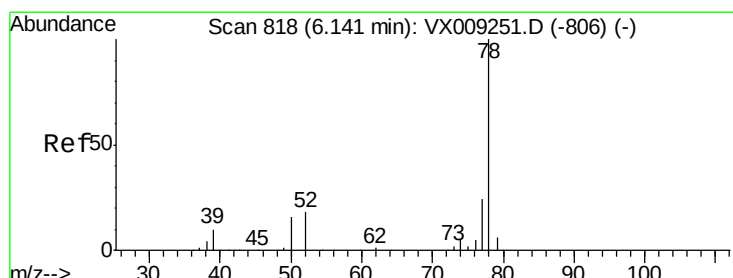
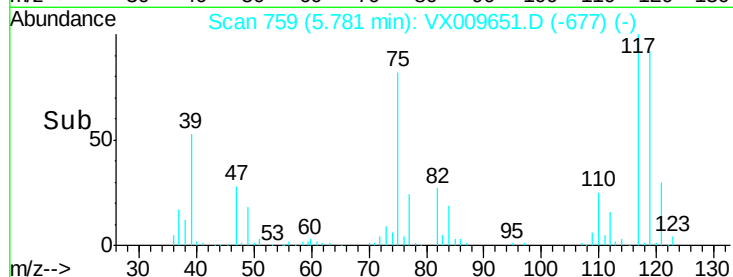
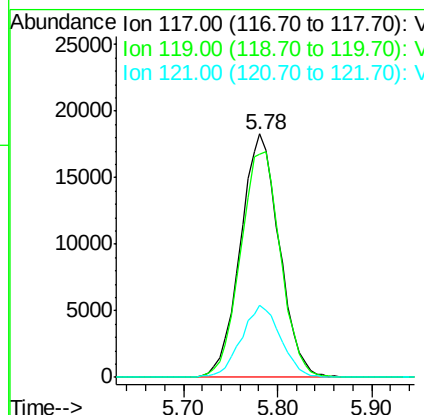
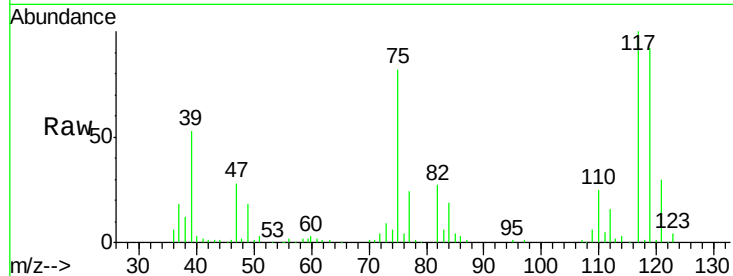
#33
Carbon Tetrachloride
Concen: 18.820 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX009651.D
Acq: 17 May 2019 09:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion:117 Resp: 52672
Ion Ratio Lower Upper
117 100
119 91.8 76.1 114.1
121 29.6 24.4 36.6

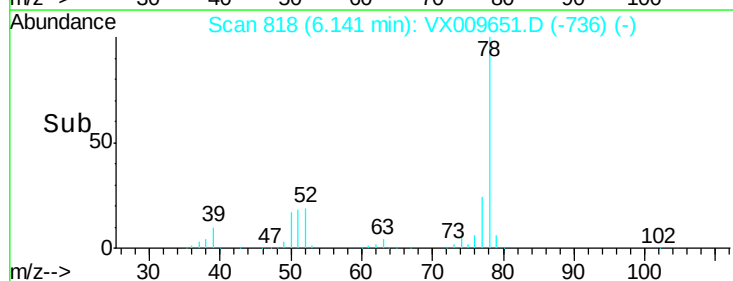
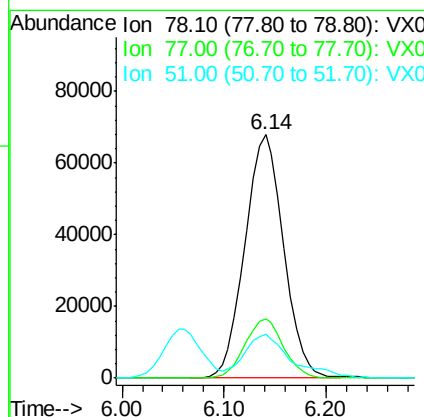
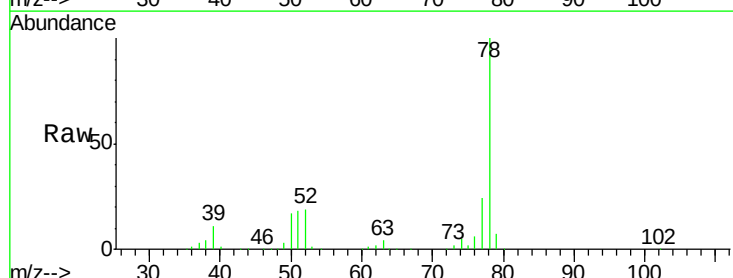
Manual Integrations
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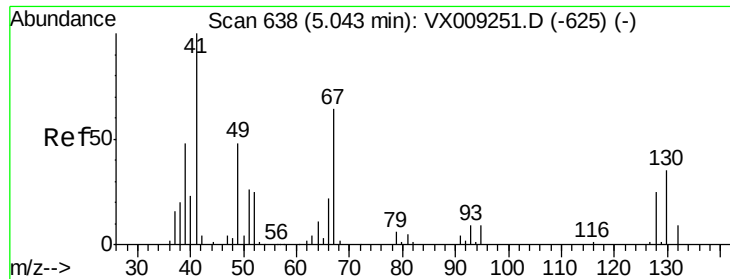
MMDadoda
5/20/2019 11:16:37 AM



#34
Benzene
Concen: 18.833 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009651.D
Acq: 17 May 2019 09:45

Tgt Ion: 78 Resp: 179163
Ion Ratio Lower Upper
78 100
77 24.4 18.8 28.2
51 16.9 13.5 20.3





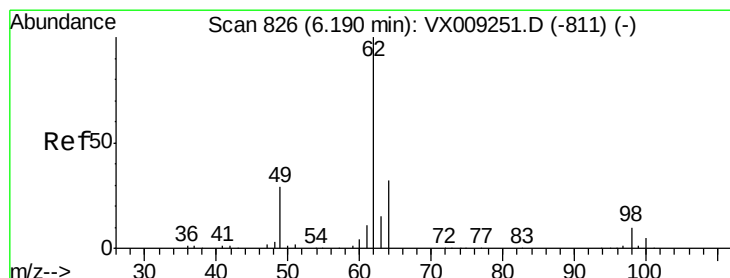
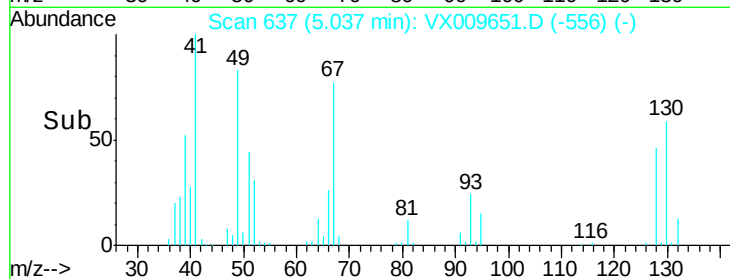
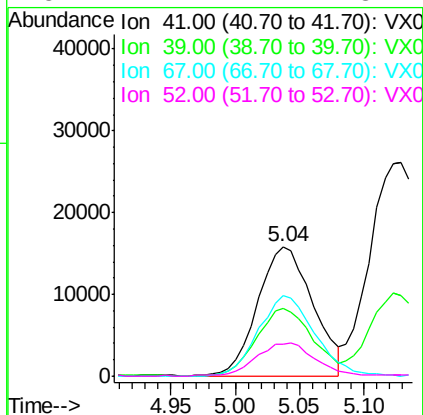
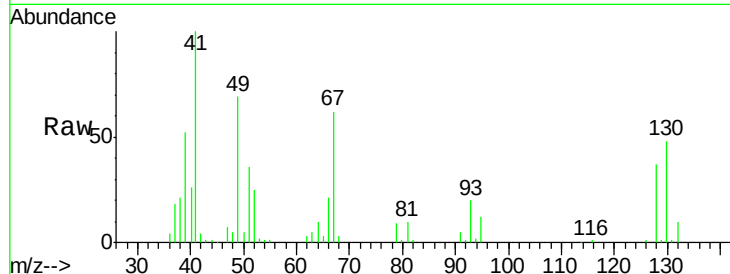
#35
Methacrylonitrile
Concen: 18.500 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX009651.D
Acq: 17 May 2019 09:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion:	41	Resp:	46772
Ion	Ratio	Lower	Upper
41	100		
39	52.6	24.1	72.3
67	62.2	32.2	96.6
52	24.7	12.4	37.4

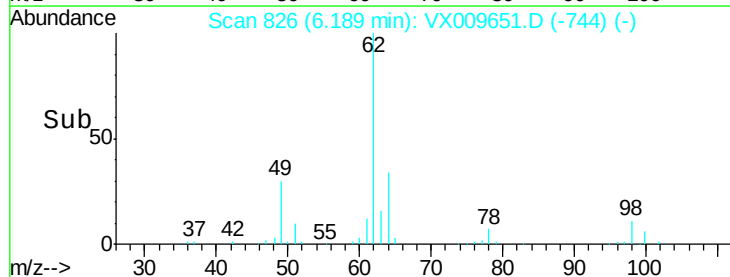
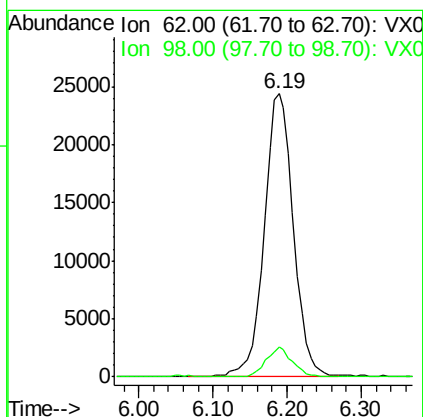
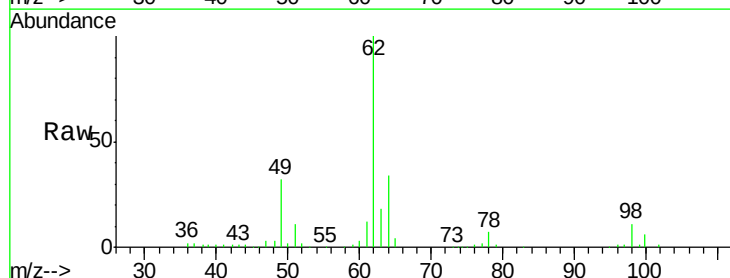
Manual Integrations
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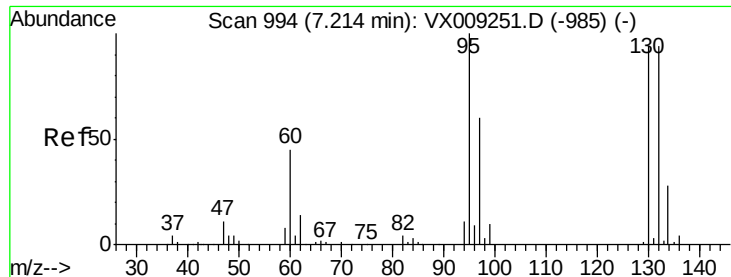
MMDadoda
5/20/2019 11:16:37 AM



#36
1,2-Dichloroethane
Concen: 19.255 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX009651.D
Acq: 17 May 2019 09:45

Tgt Ion:	62	Resp:	66464
Ion	Ratio	Lower	Upper
62	100		
98	9.4	7.4	11.2





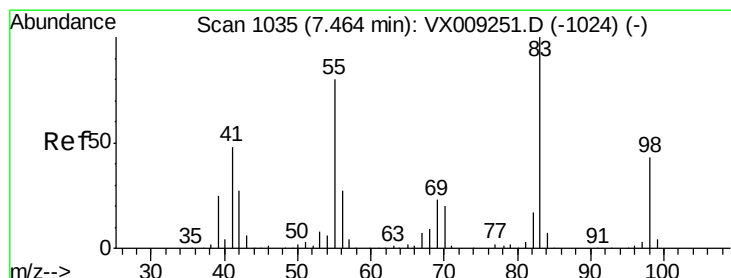
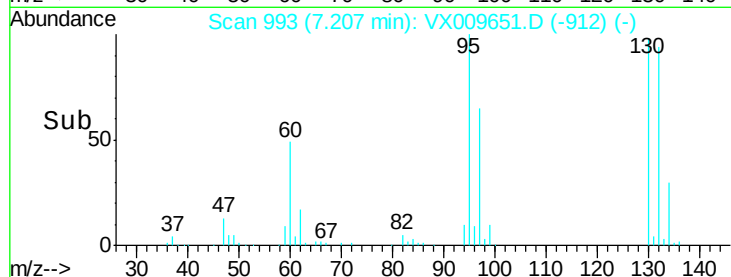
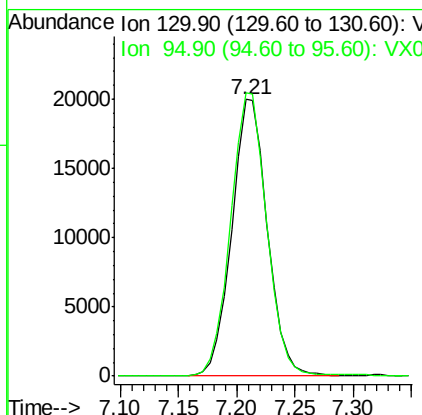
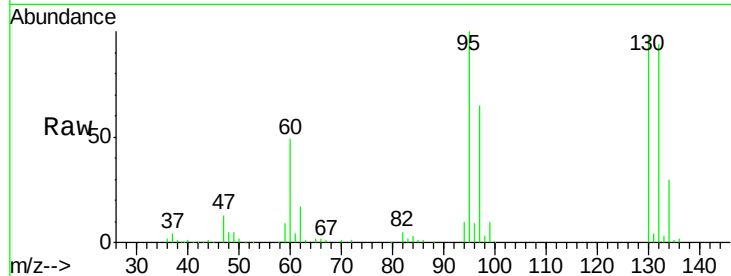
#37
 Trichloroethene
 Concen: 18.584 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX009651.D
 Acq: 17 May 2019 09:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion:130 Resp: 42558
 Ion Ratio Lower Upper
 130 100
 95 102.4 85.0 127.4

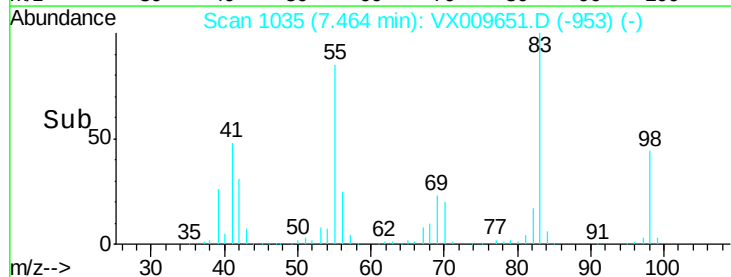
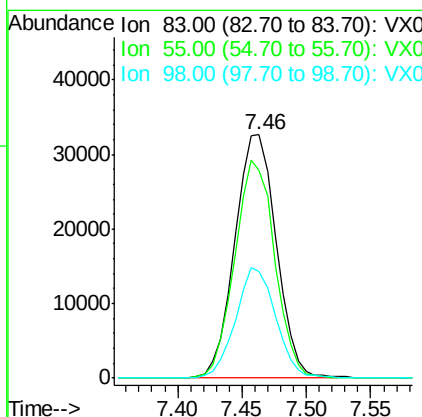
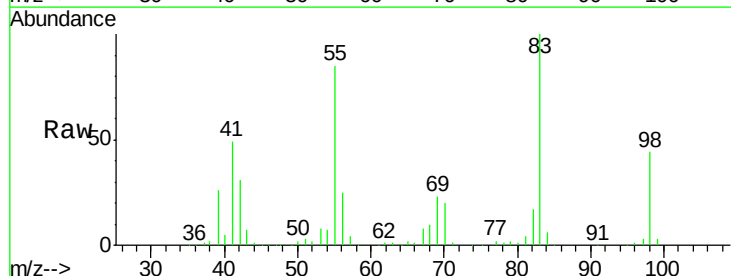
Manual Integrations
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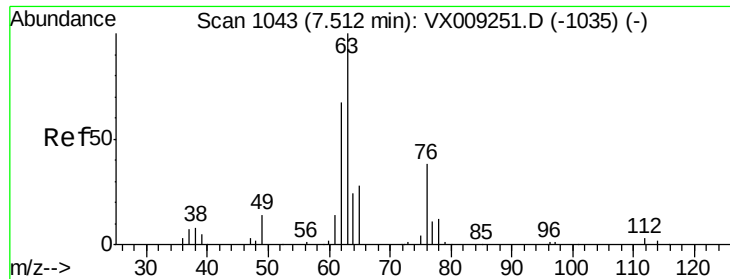
MMDadoda
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#38
 Methylcyclohexane
 Concen: 19.124 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: VX009651.D
 Acq: 17 May 2019 09:45

Tgt Ion: 83 Resp: 72907
 Ion Ratio Lower Upper
 83 100
 55 86.7 43.0 129.2
 98 44.3 22.1 66.1





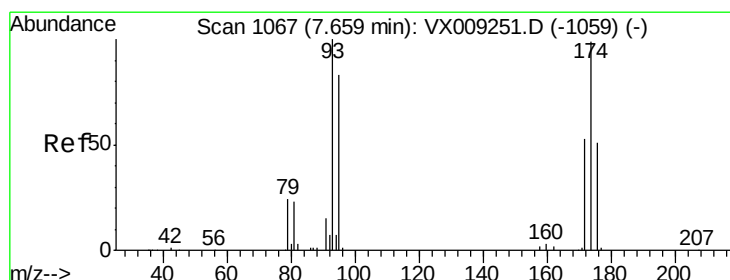
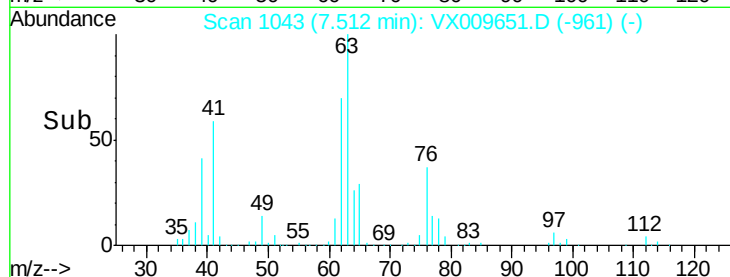
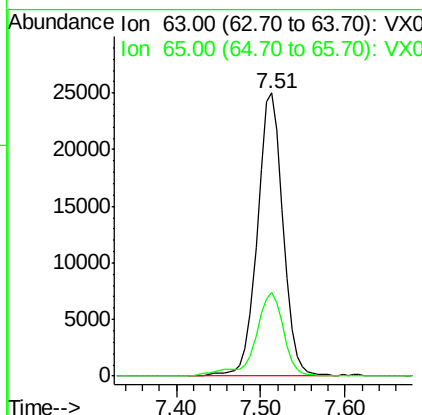
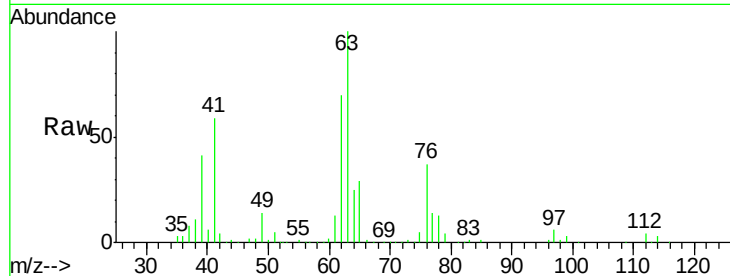
#39
 1,2-Dichloropropane
 Concen: 19.246 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX009651.D
 Acq: 17 May 2019 09:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion: 63 Resp: 52139
 Ion Ratio Lower Upper
 63 100
 65 29.4 24.0 36.0

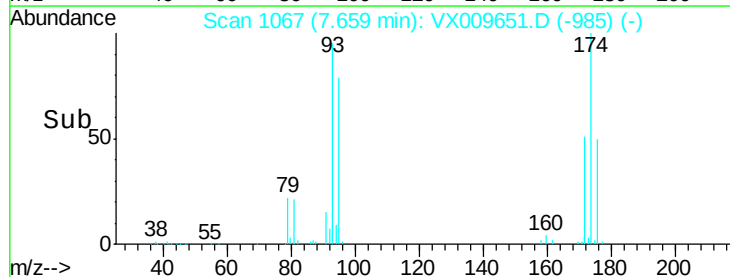
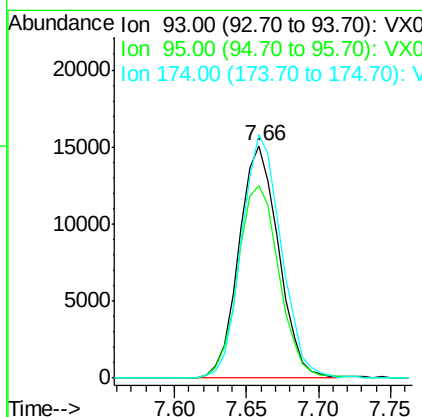
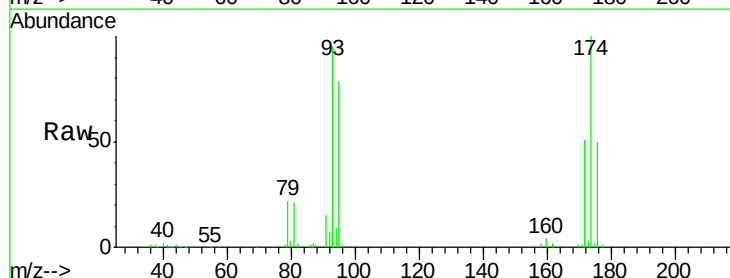
Manual Integrations
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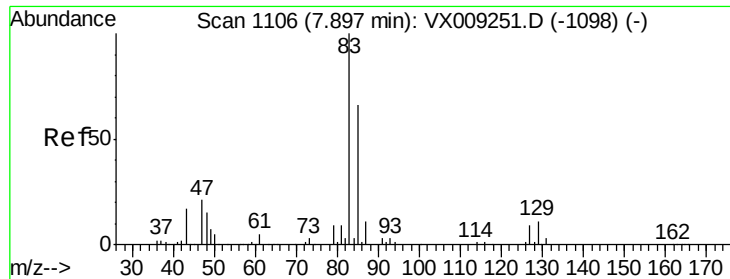
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 5/20/2019 11:16:37 AM



#40
 Dibromomethane
 Concen: 18.764 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX009651.D
 Acq: 17 May 2019 09:45

Tgt Ion: 93 Resp: 28851
 Ion Ratio Lower Upper
 93 100
 95 86.0 0.0 167.2
 174 104.6 0.0 203.4





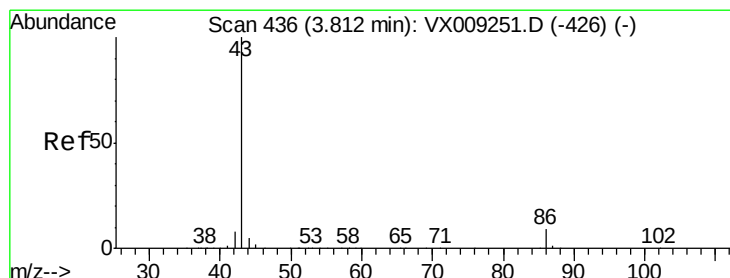
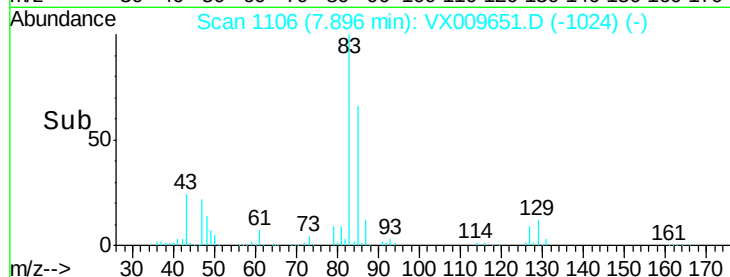
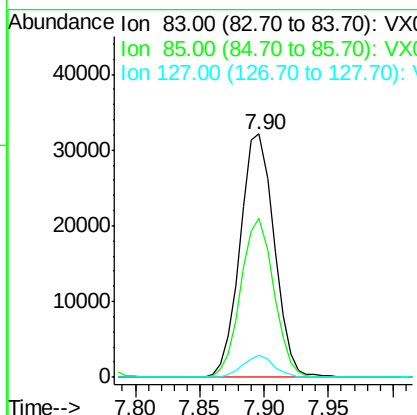
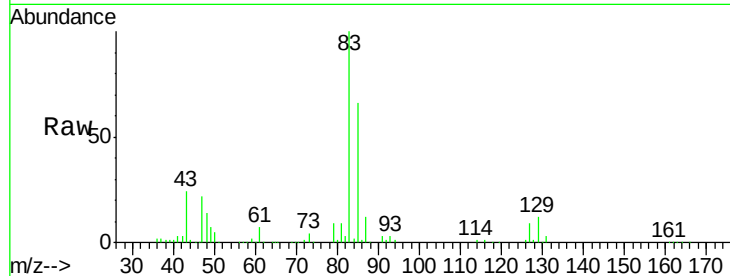
#41
Bromodichloromethane
Concen: 18.827 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX009651.D
Acq: 17 May 2019 09:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	83	Resp	59130
Ion Ratio	100	Lower	Upper
83	100		
85	65.5	52.6	79.0
127	8.9	6.9	10.3

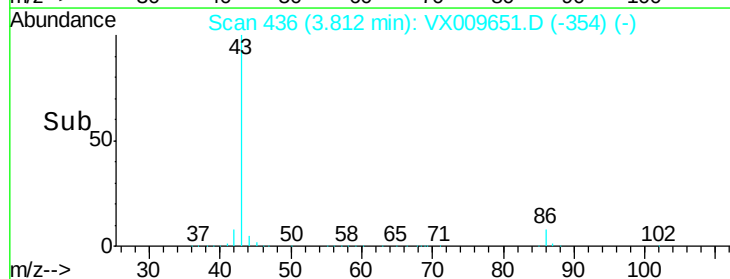
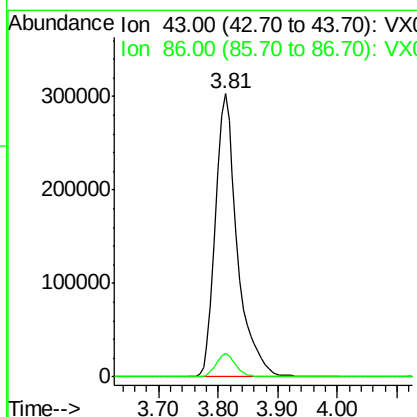
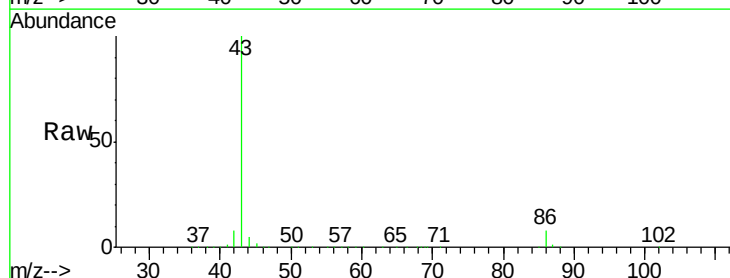
Manual Integrations
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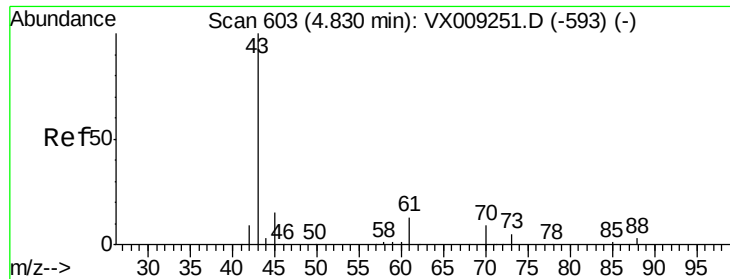
MMDadoda
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#42
Vinyl Acetate
Concen: 96.947 ug/l
RT: 3.81 min Scan# 436
Delta R.T. -0.00 min
Lab File: VX009651.D
Acq: 17 May 2019 09:45

Tgt Ion	43	Resp	773217
Ion Ratio	100	Lower	Upper
43	100		
86	7.3	6.0	9.0





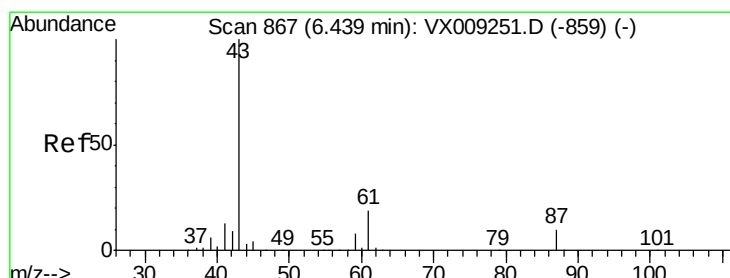
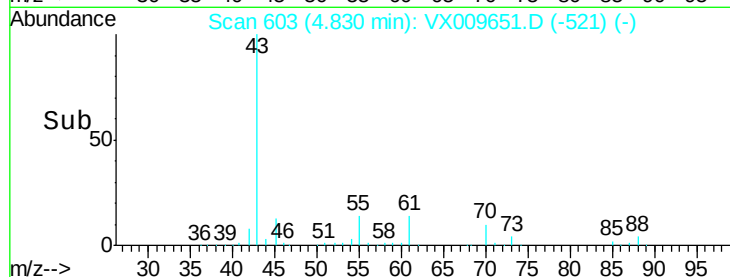
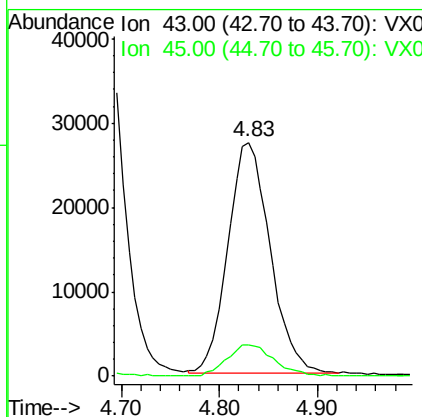
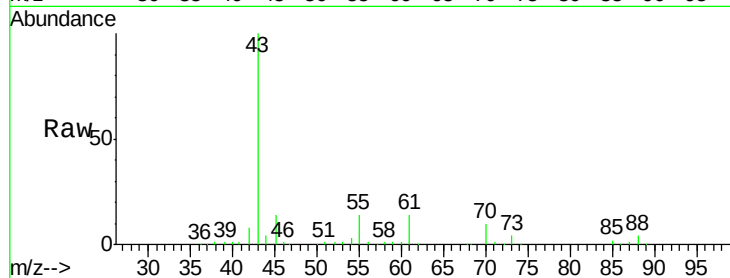
#43
Ethyl Acetate
Concen: 18.811 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.00 min
Lab File: VX009651.D
Acq: 17 May 2019 09:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion: 43 Resp: 82139
Ion Ratio Lower Upper
43 100
45 15.3 11.8 17.8

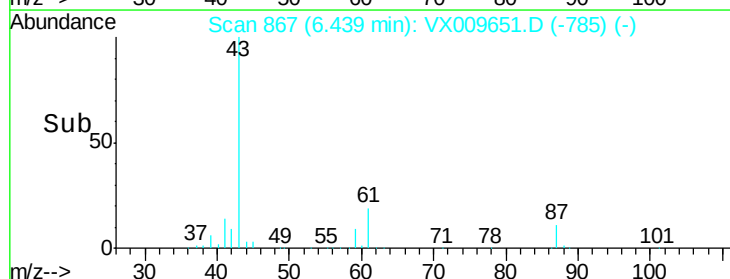
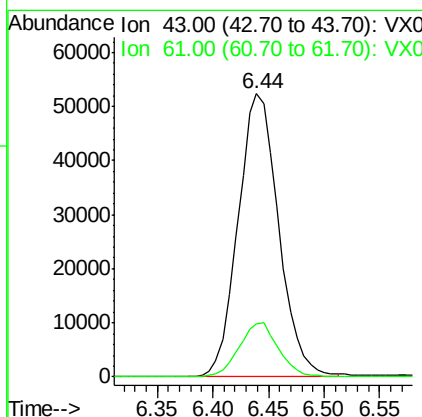
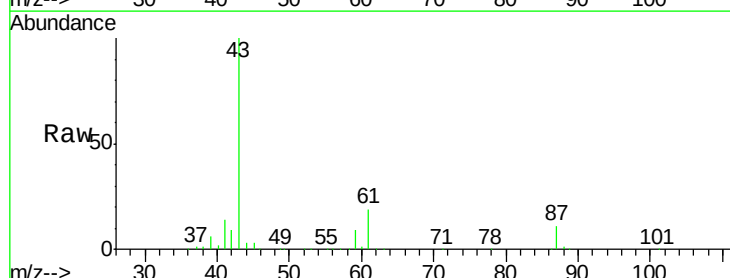
Manual Integrations
APPROVED

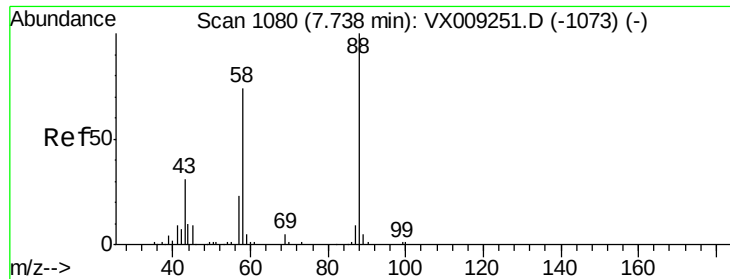
MMDadoda
5/20/2019 11:16:37 AM



#44
Isopropyl Acetate
Concen: 18.690 ug/l
RT: 6.44 min Scan# 867
Delta R.T. -0.00 min
Lab File: VX009651.D
Acq: 17 May 2019 09:45

Tgt Ion: 43 Resp: 132210
Ion Ratio Lower Upper
43 100
61 18.7 15.4 23.2





#45

1,4-Dioxane

Concen: 370.405 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX009651.D

Acq: 17 May 2019 09:45

Instrument :

MSVOA_X

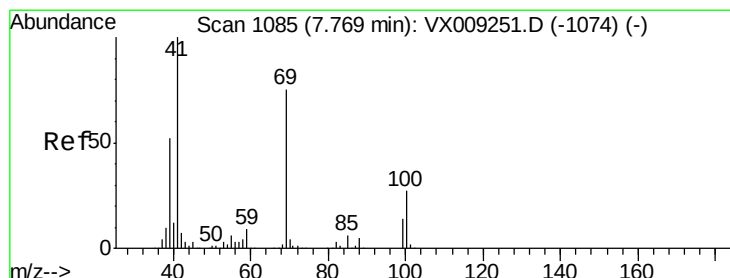
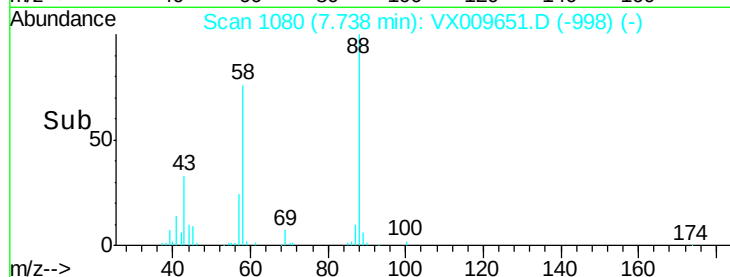
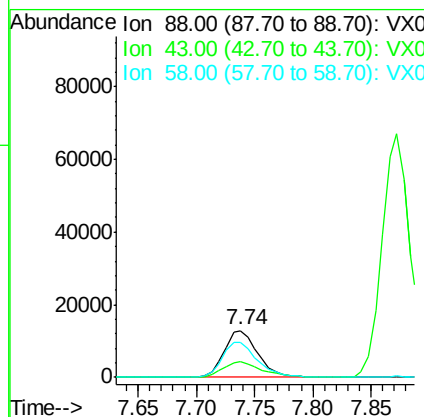
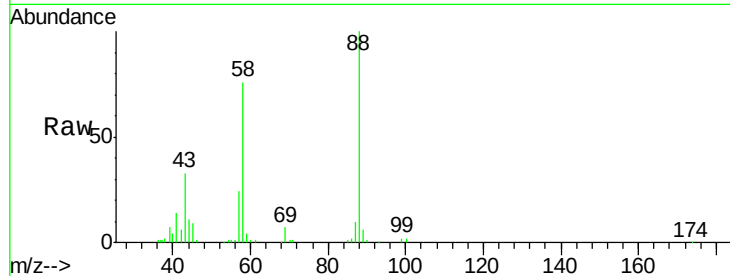
ClientSampleId :

VSTDCCC020

Tot Ion:	88	Resp:	25725
Ion	Ratio	Lower	Upper
88	100		
43	37.4	28.5	42.7
58	79.2	62.5	93.7

Manual Integrations
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#46

Methyl methacrylate

Concen: 18.821 ug/l

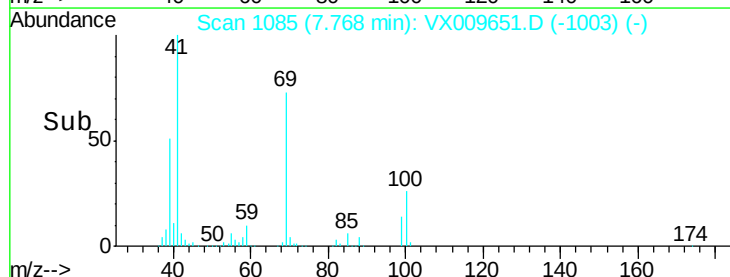
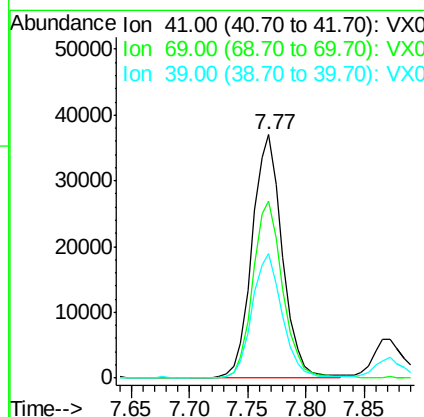
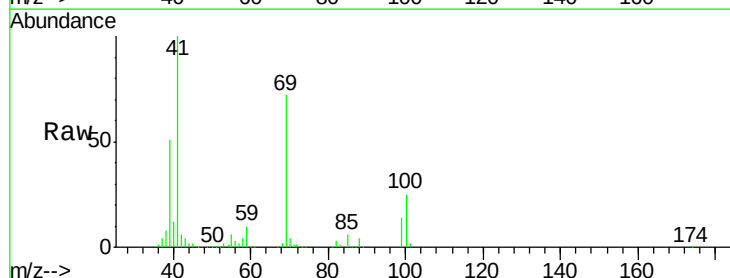
RT: 7.77 min Scan# 1085

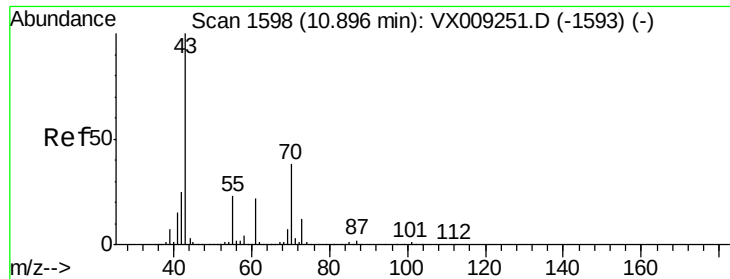
Delta R.T. -0.00 min

Lab File: VX009651.D

Acq: 17 May 2019 09:45

Tgt Ion:	41	Resp:	66452
Ion	Ratio	Lower	Upper
41	100		
69	72.6	37.6	112.8
39	51.3	25.8	77.3





#47

n-amvl Acetate

Concen: 18.796 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009651.D

Acq: 17 May 2019 09:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 43 Resp: 119778

Ion Ratio Lower Upper

43 100

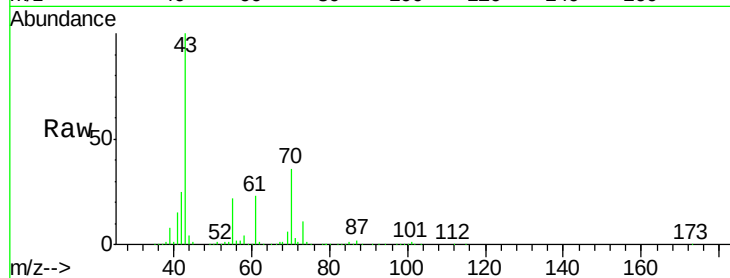
55 22.5 18.2 27.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

10.90

120000

100000

80000

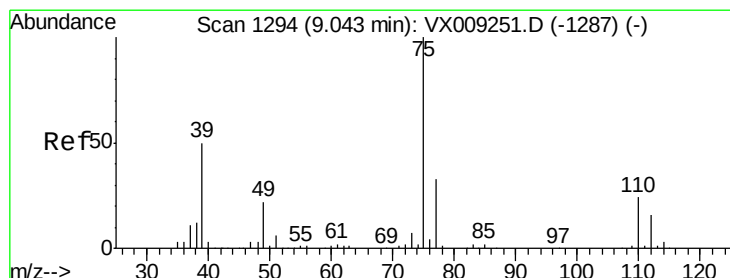
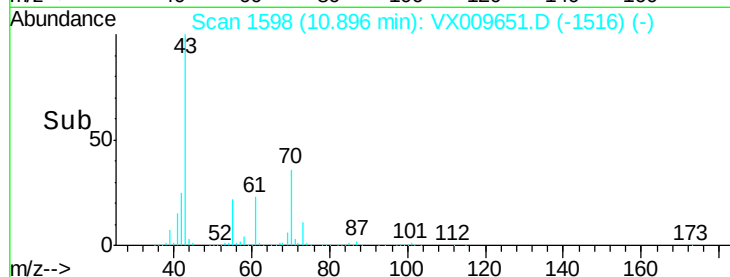
60000

40000

20000

0

Time-->



#48

t-1,3-Dichloropropene

Concen: 18.449 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VX009651.D

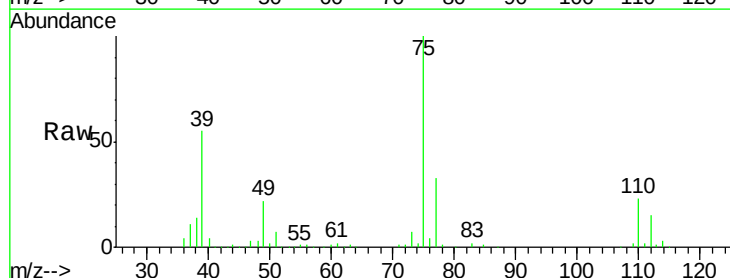
Acq: 17 May 2019 09:45

Tgt Ion: 75 Resp: 67607

Ion Ratio Lower Upper

75 100

77 32.8 26.5 39.7



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

9.04

50000

40000

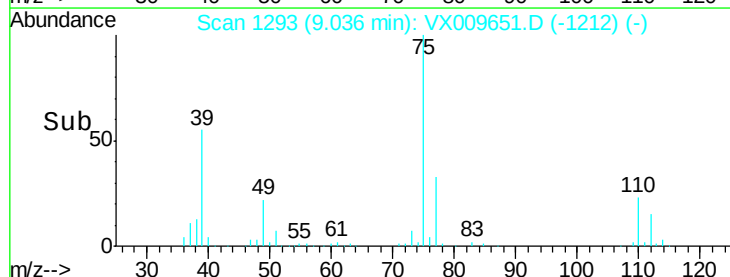
30000

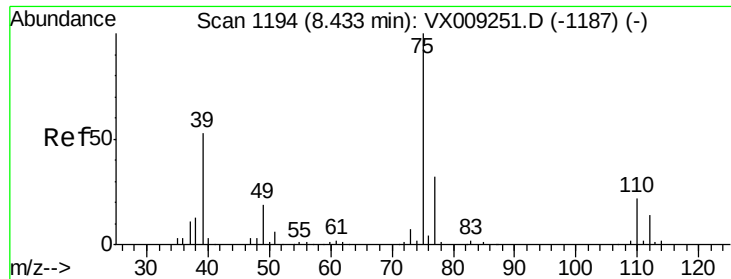
20000

10000

0

Time-->





#49

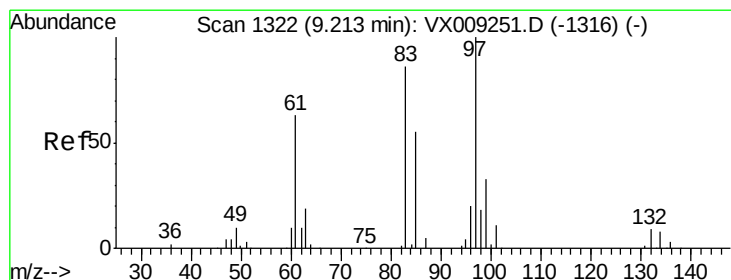
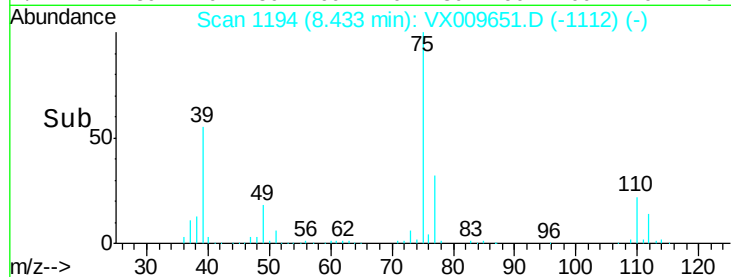
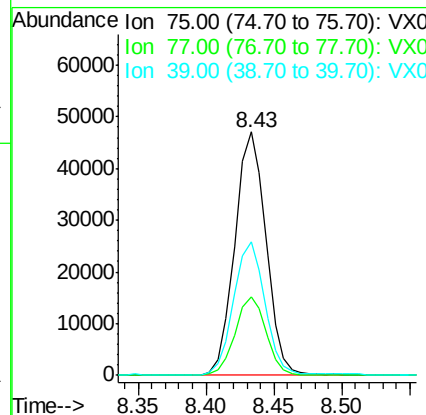
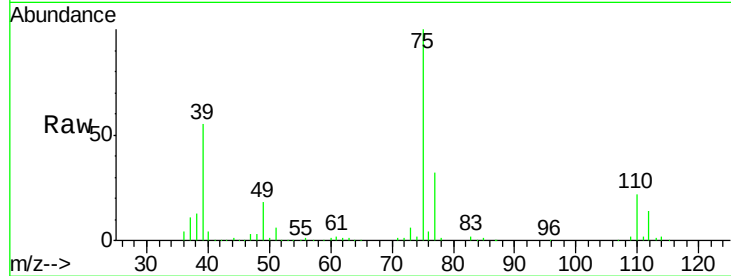
cis-1,3-Dichloropropene
 Concen: 18.791 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX009651.D
 Acq: 17 May 2019 09:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	26.0	39.0
39	54.4	42.6	63.8

Manual Integrations
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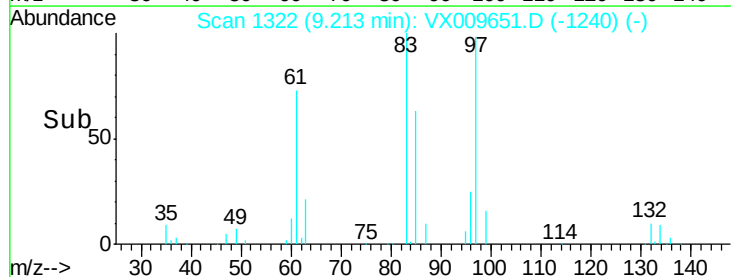
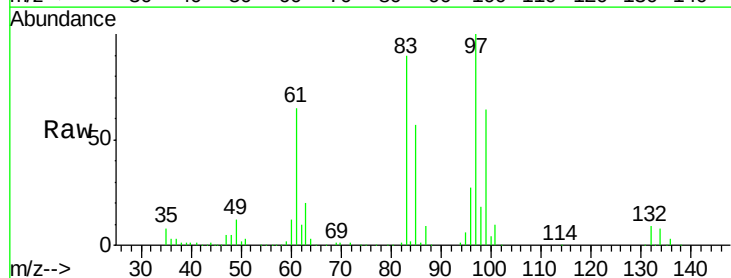
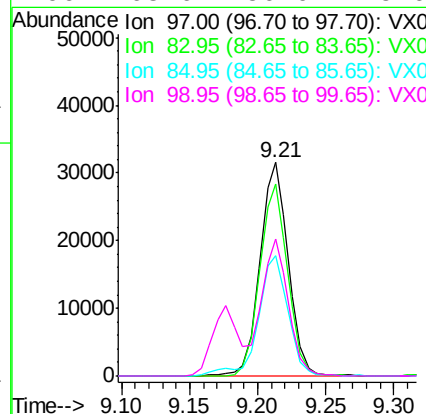
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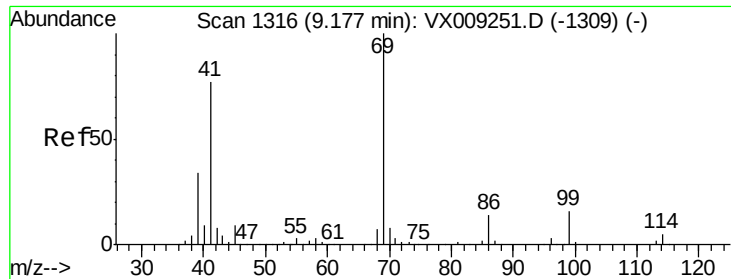


#50

1,1,2-Trichloroethane
 Concen: 19.535 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009651.D
 Acq: 17 May 2019 09:45

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.0	68.8	103.2
85	56.4	45.8	68.6
99	63.6	50.0	75.0





#51

Ethyl methacrylate

Concen: 18.733 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX009651.D

Acq: 17 May 2019 09:45

Instrument :

MSVOA_X

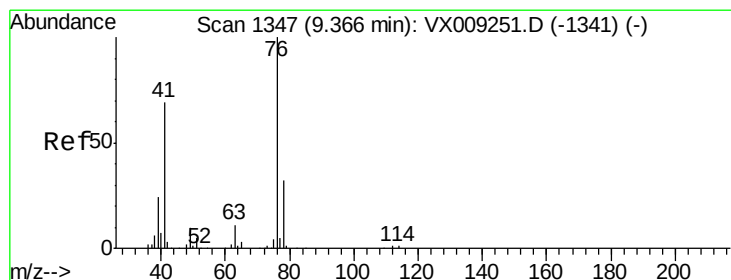
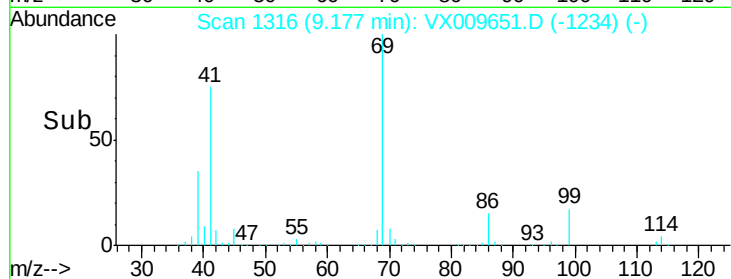
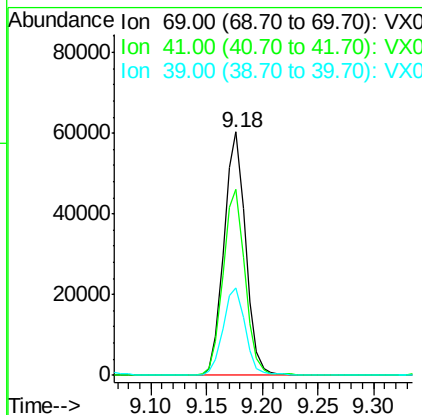
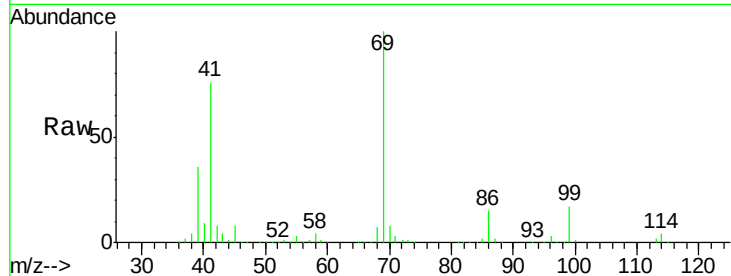
ClientSampleId :

VSTDCCC020

Tot Ion:	69	Resp:	81550
Ion	Ratio	Lower	Upper
69	100		
41	76.1	38.4	115.2
39	35.5	17.2	51.5

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 19.156 ug/l

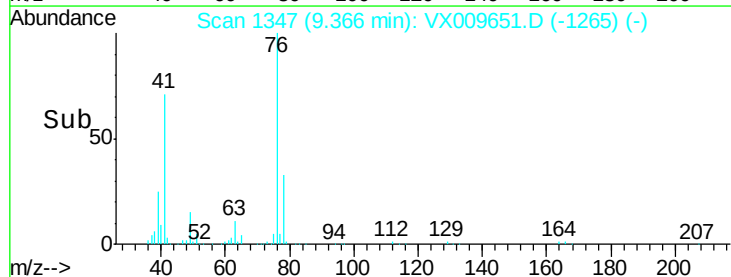
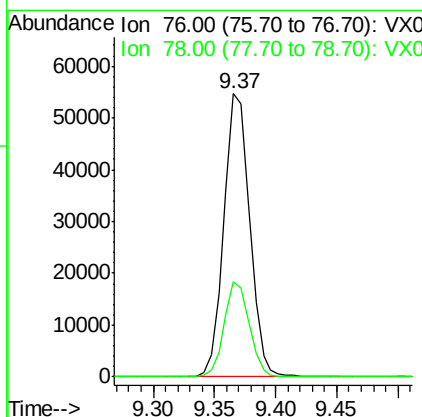
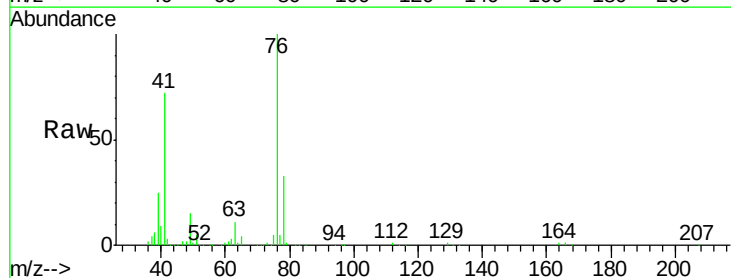
RT: 9.37 min Scan# 1347

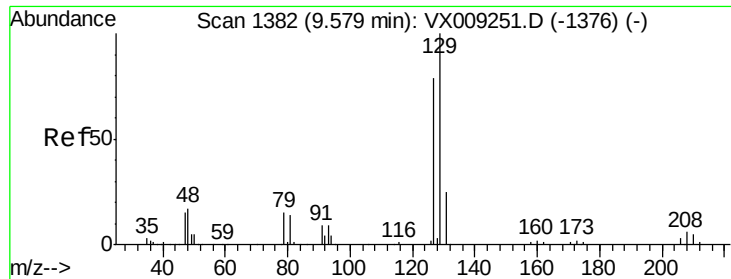
Delta R.T. -0.00 min

Lab File: VX009651.D

Acq: 17 May 2019 09:45

Tgt Ion:	76	Resp:	80086
Ion	Ratio	Lower	Upper
76	100		
78	32.5	0.0	64.2





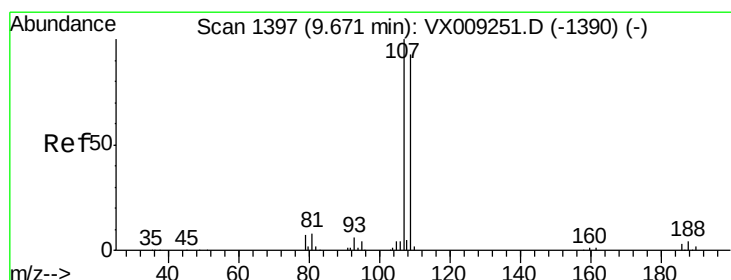
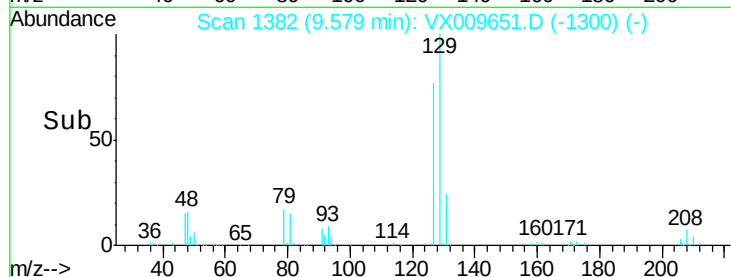
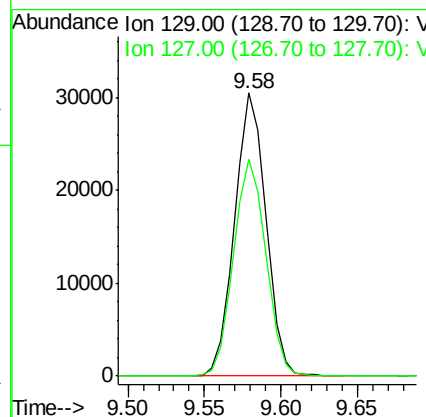
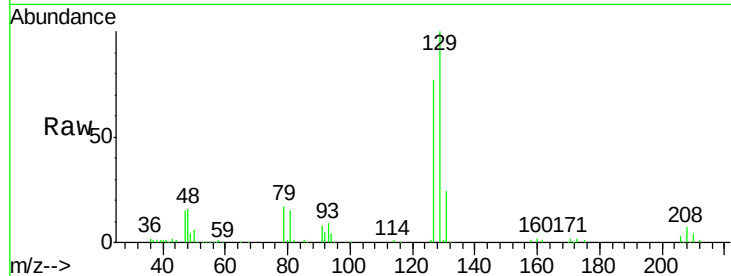
#53
Dibromochloromethane
Concen: 18.478 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009651.D
Acq: 17 May 2019 09:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion:129 Resp: 43349
Ion Ratio Lower Upper
129 100
127 79.1 39.1 117.5

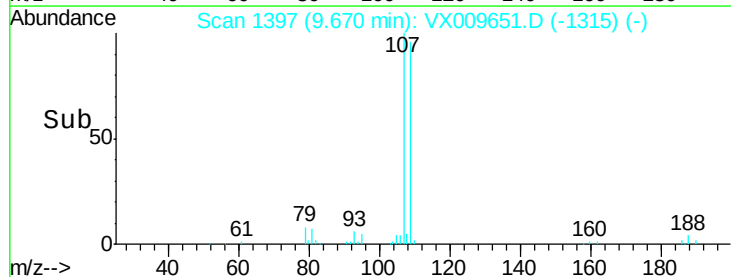
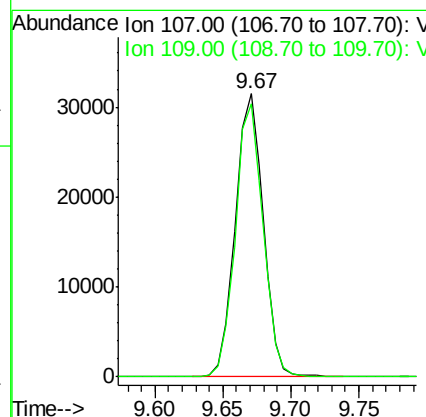
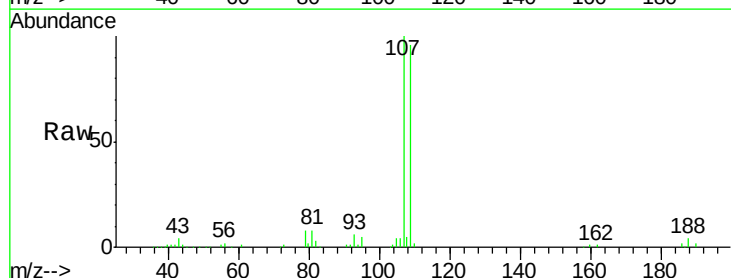
Manual Integrations
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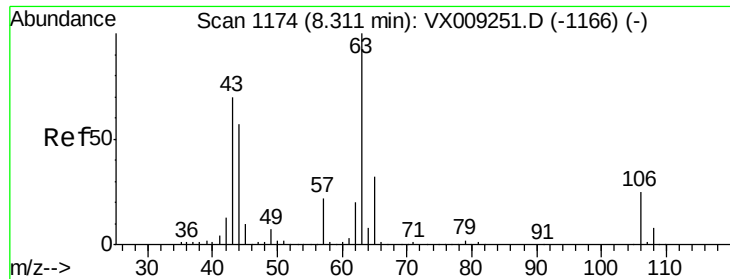
MMDadoda
5/20/2019 11:16:37 AM



#54
1,2-Dibromoethane
Concen: 18.725 ug/l
RT: 9.67 min Scan# 1397
Delta R.T. -0.00 min
Lab File: VX009651.D
Acq: 17 May 2019 09:45

Tgt Ion:107 Resp: 45238
Ion Ratio Lower Upper
107 100
109 95.1 75.5 113.3





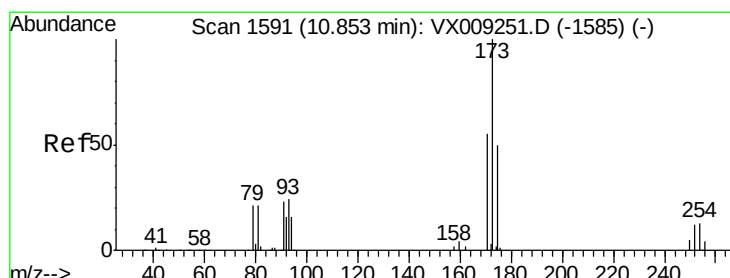
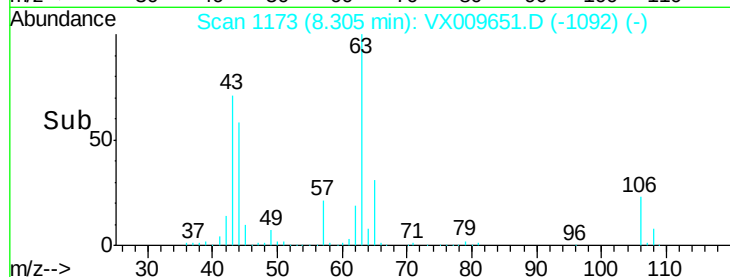
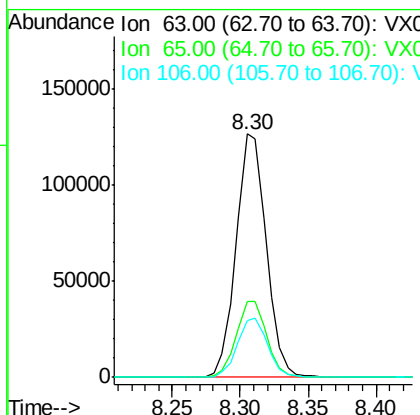
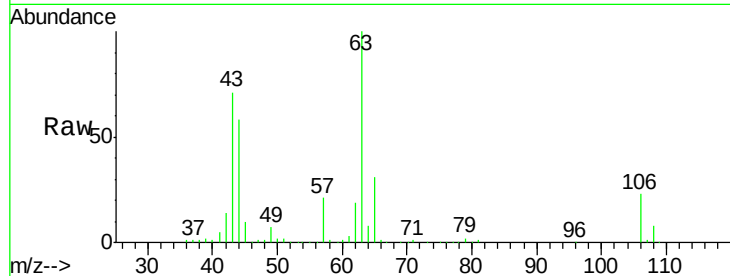
#55
2-Chloroethyl vinyl ether
Concen: 84.573 ug/l
RT: 8.30 min Scan# 1173
Delta R.T. -0.01 min
Lab File: VX009651.D
Acq: 17 May 2019 09:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.8	25.8	38.6
106	24.3	19.8	29.6

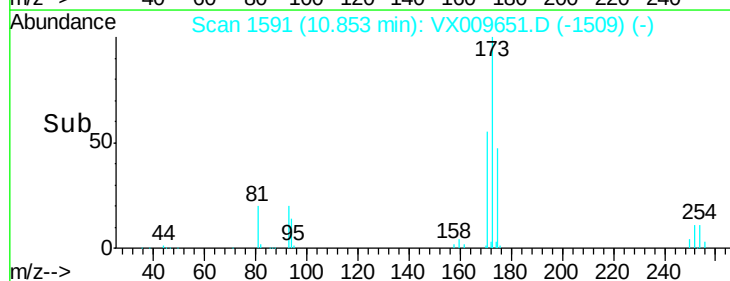
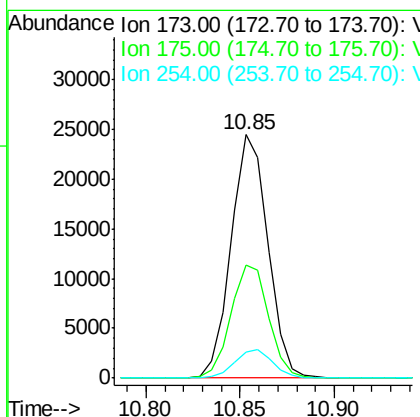
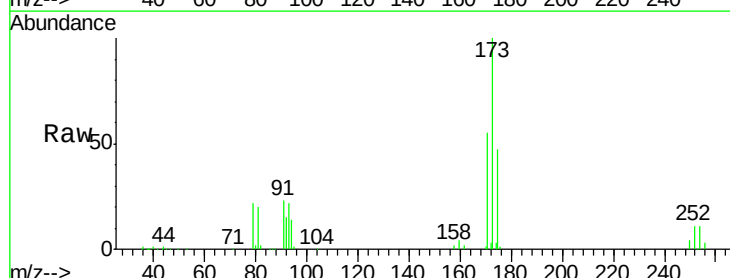
Manual Integrations
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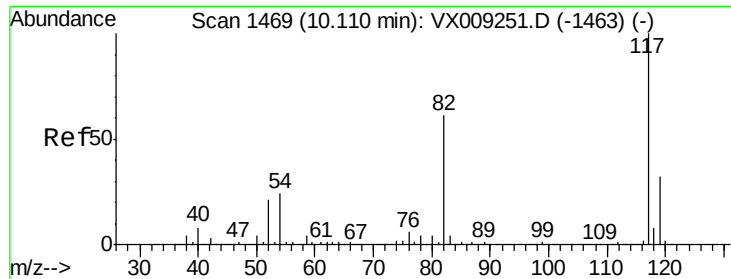
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5/20/2019 11:16:37 AM



#56
Bromoform
Concen: 18.384 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX009651.D
Acq: 17 May 2019 09:45

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.7	39.4	59.2
254	11.9	9.9	14.9





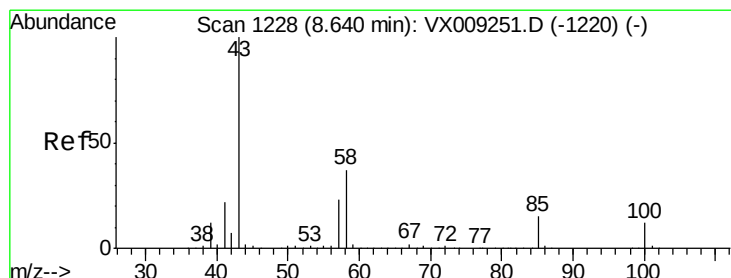
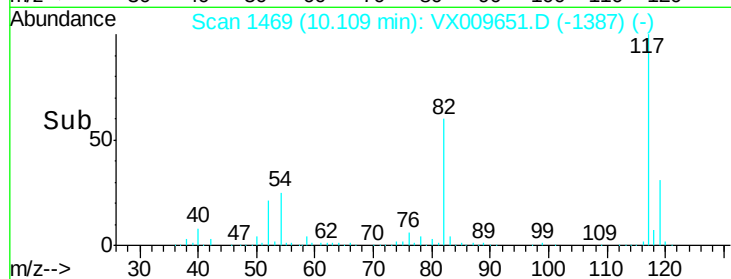
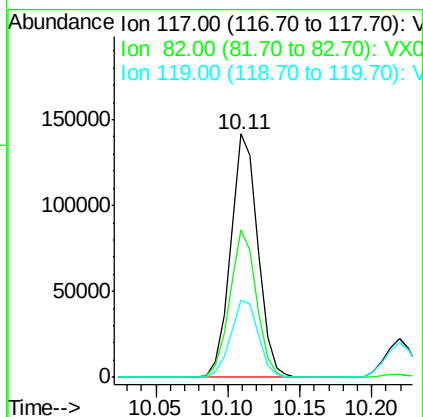
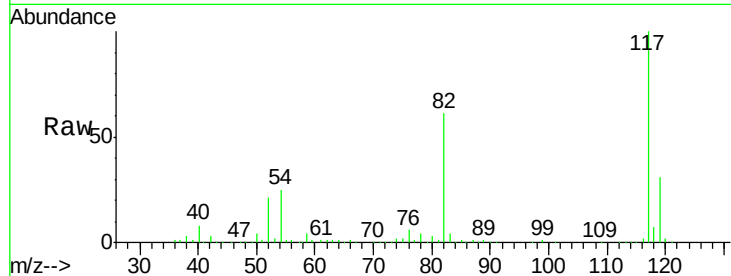
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009651.D
Acq: 17 May 2019 09:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.6	47.8	71.8
119	32.5	25.6	38.4

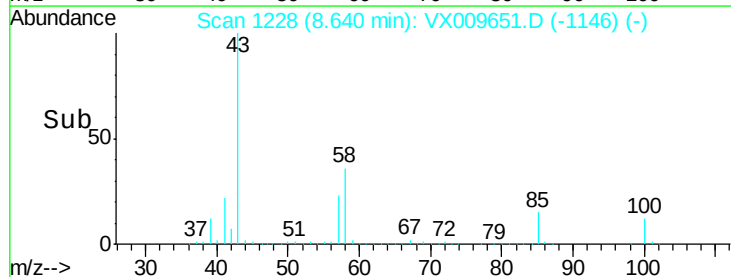
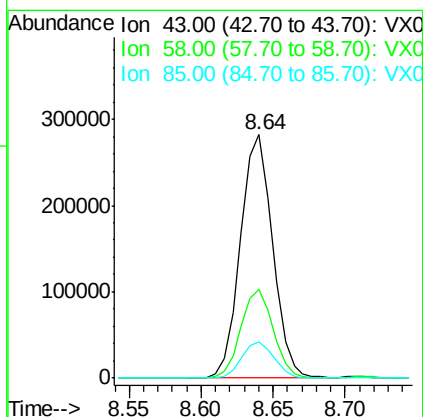
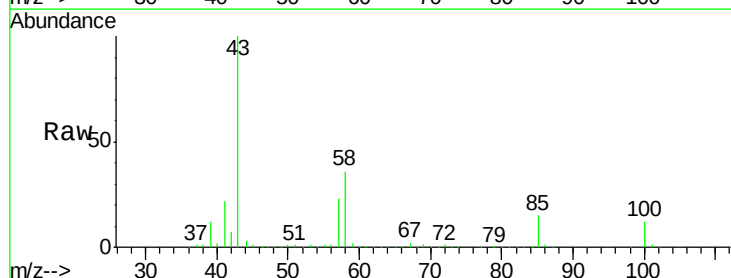
Manual Integrations
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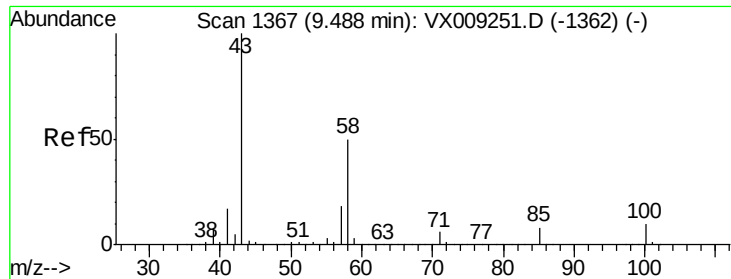
MMDadoda
5/20/2019 11:16:37 AM



#58
4-Methyl-2-Pentanone
Concen: 94.875 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX009651.D
Acq: 17 May 2019 09:45

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.6	29.4	44.0
85	14.9	11.8	17.8





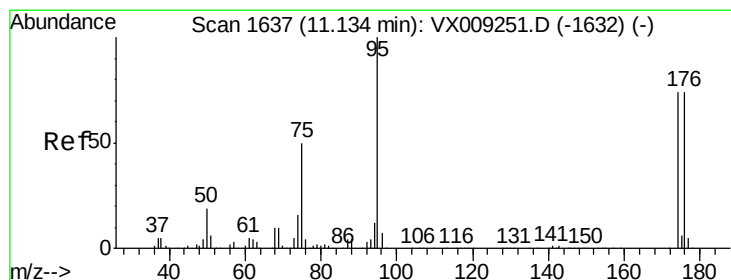
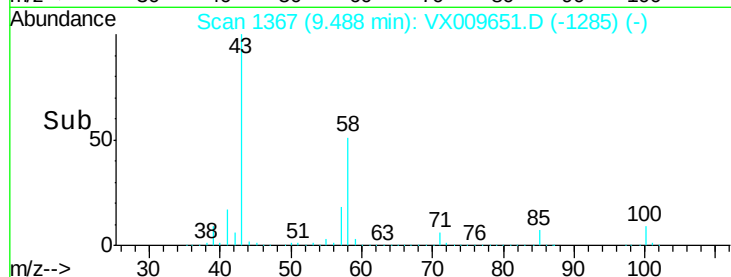
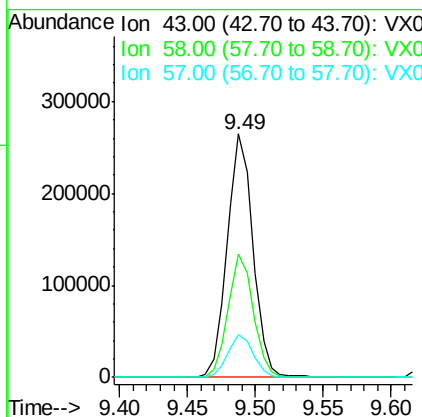
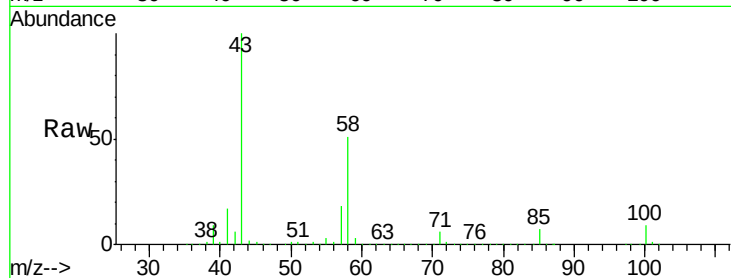
#59
2-Hexanone
Concen: 96.429 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009651.D
Acq: 17 May 2019 09:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.6	40.8	61.2
57	17.8	14.1	21.1

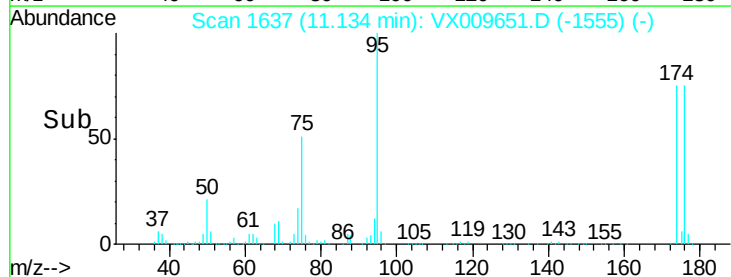
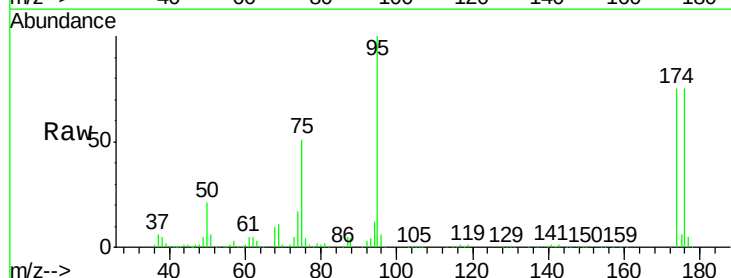
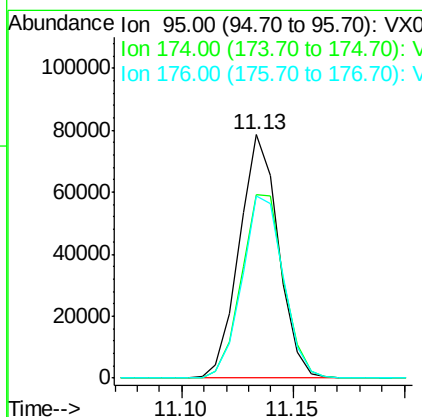
Manual Integrations
APPROVED

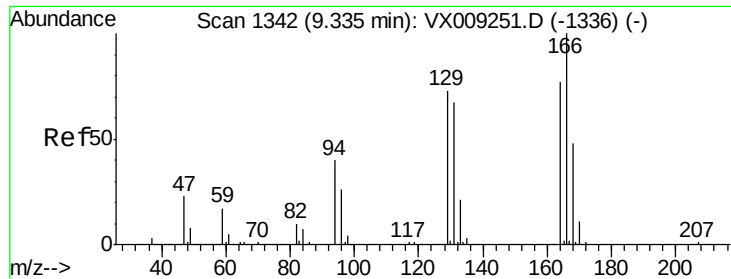
MMDadoda
5/20/2019 11:16:37 AM



#60
4-Bromofluorobenzene
Concen: 30.287 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009651.D
Acq: 17 May 2019 09:45

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.2	63.6	95.4
176	79.1	62.4	93.6





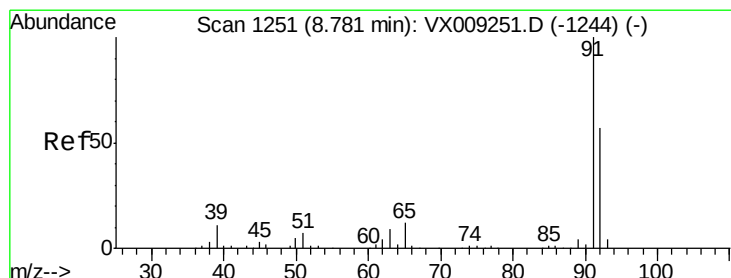
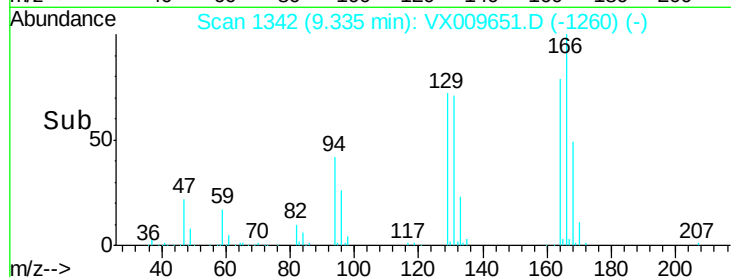
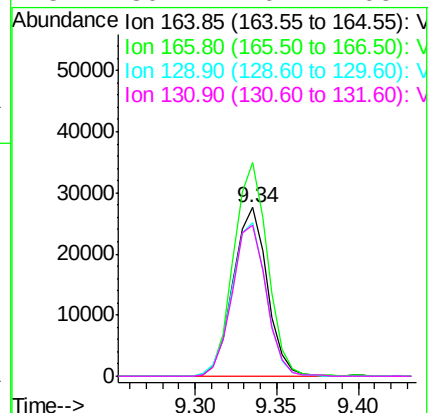
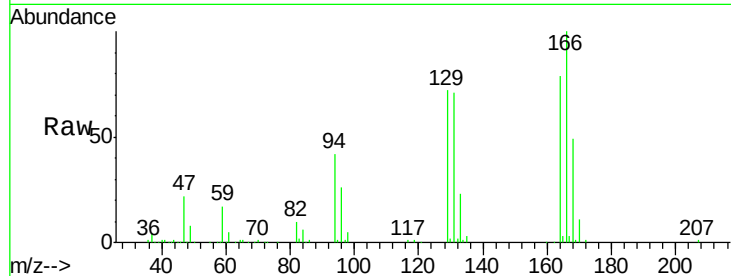
#61
Tetrachloroethene
Concen: 19.472 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009651.D
Acq: 17 May 2019 09:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
164	100		
166	126.5	104.1	156.1
129	91.5	76.0	114.0
131	89.4	70.1	105.1

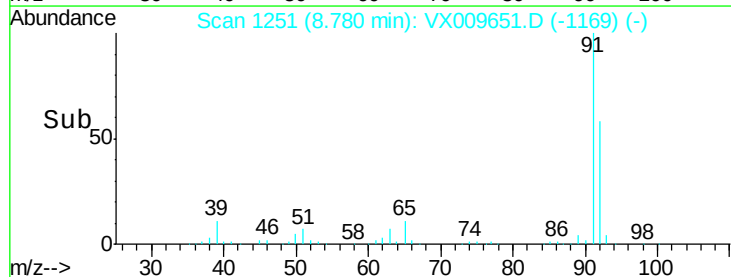
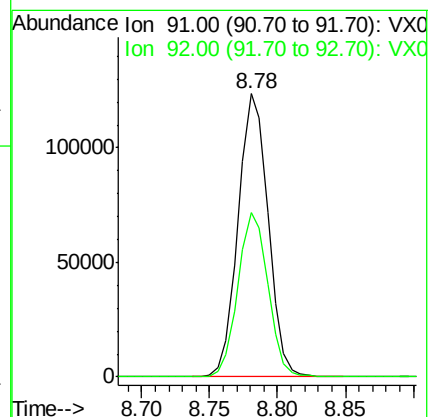
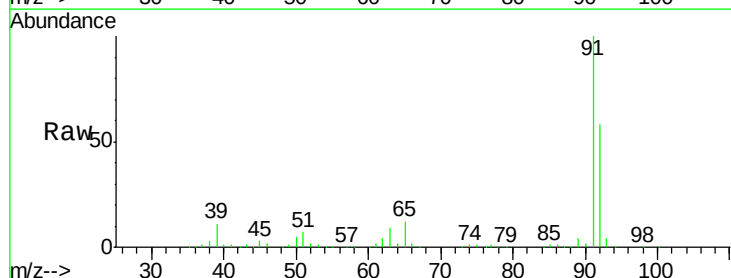
Manual Integrations
APPROVED

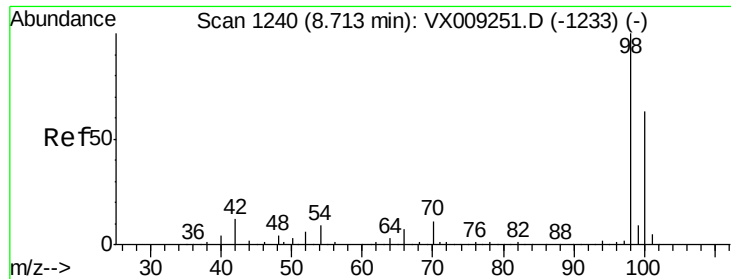
MMDadoda
5/20/2019 11:16:37 AM



#62
Toluene
Concen: 19.004 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VX009651.D
Acq: 17 May 2019 09:45

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.0	46.1	69.1





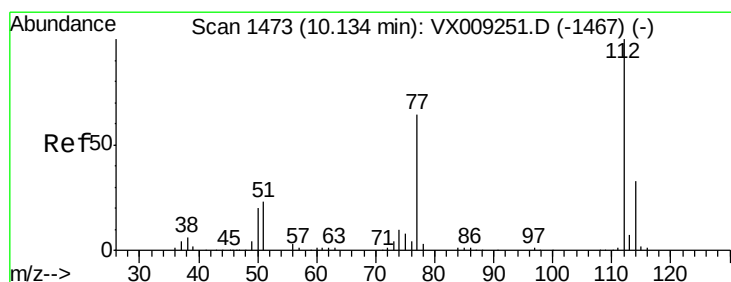
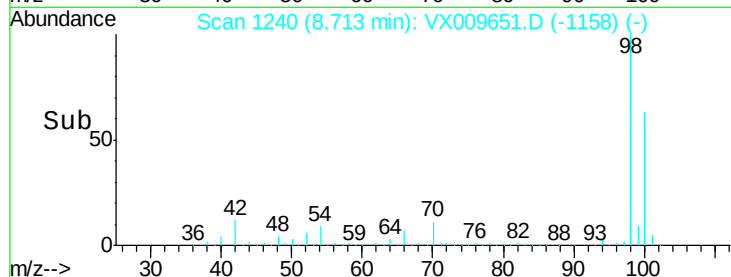
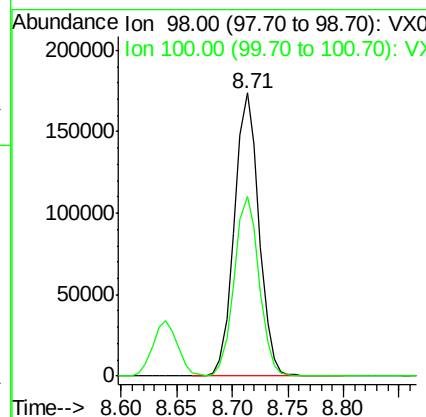
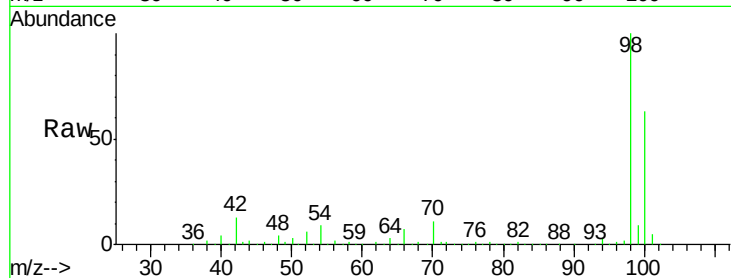
#63
Toluene-d8
Concen: 29.952 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009651.D
Acq: 17 May 2019 09:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion: 98 Resp: 266445
Ion Ratio Lower Upper
98 100
100 63.8 52.3 78.5

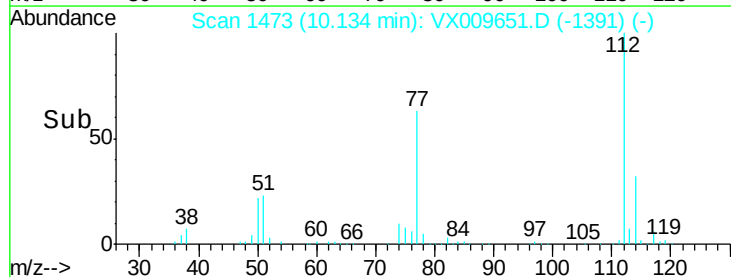
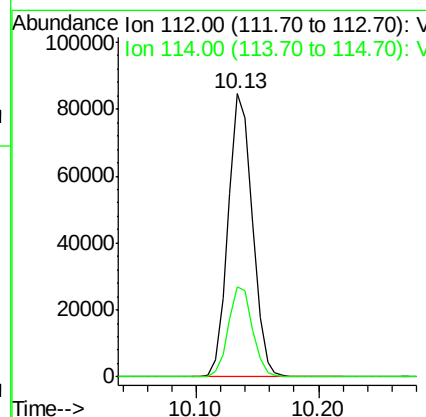
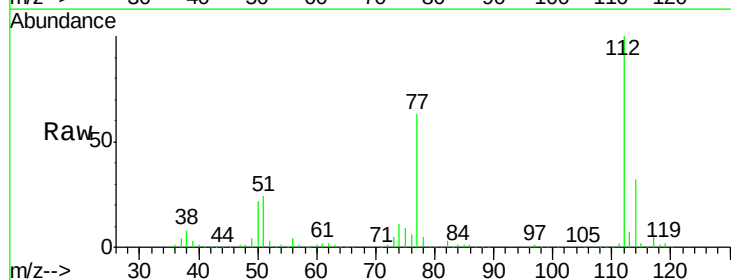
Manual Integrations
APPROVED

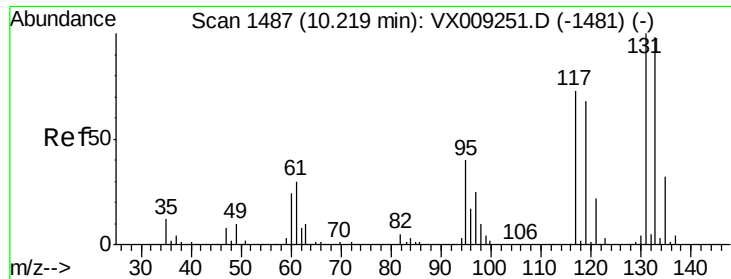
MMDadoda
5/20/2019 11:16:37 AM



#64
Chlorobenzene
Concen: 19.241 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX009651.D
Acq: 17 May 2019 09:45

Tgt Ion: 112 Resp: 116098
Ion Ratio Lower Upper
112 100
114 32.0 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 18.975 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX009651.D

Acq: 17 May 2019 09:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion:131 Resp: 41923

Ion Ratio Lower Upper

131 100

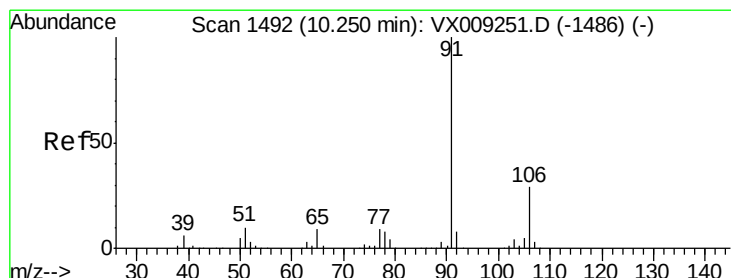
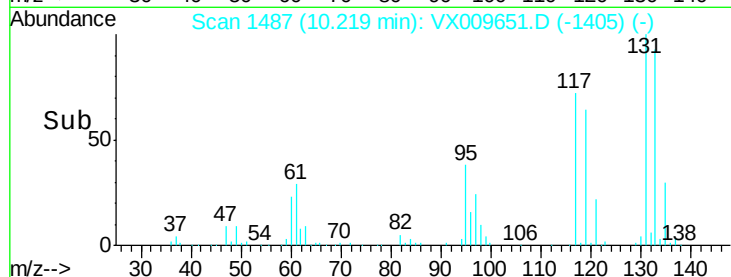
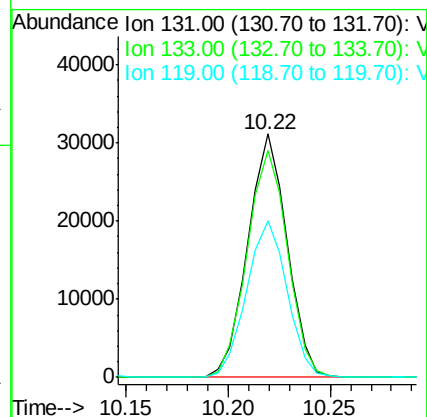
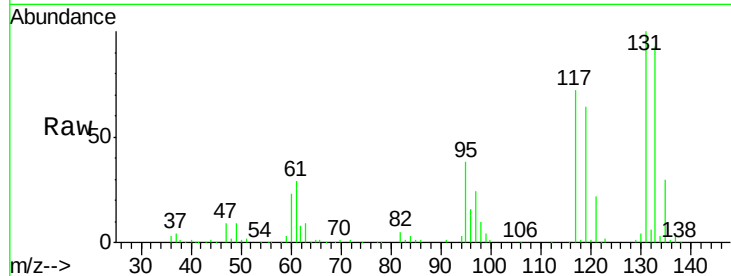
133 95.6 0.0 191.2

119 66.0 0.0 135.4

Manual Integrations
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#66

Ethyl Benzene

Concen: 19.075 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009651.D

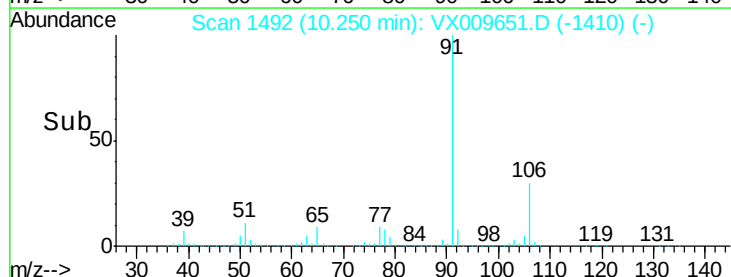
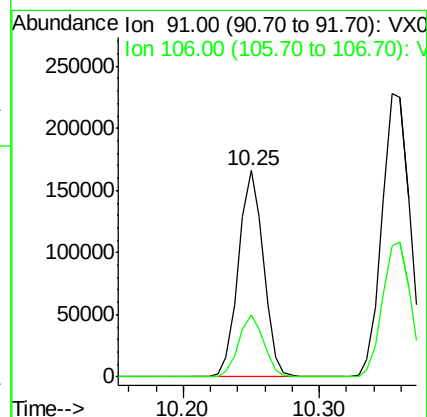
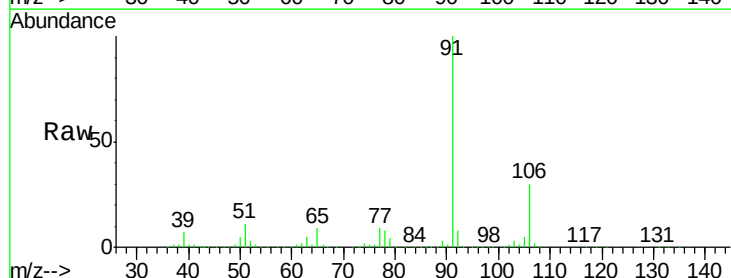
Acq: 17 May 2019 09:45

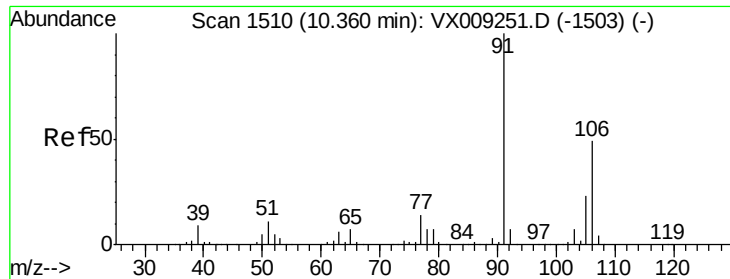
Tgt Ion: 91 Resp: 213056

Ion Ratio Lower Upper

91 100

106 29.9 23.5 35.3





#67

m/p-Xylenes

Concen: 38.273 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009651.D

Acq: 17 May 2019 09:45

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC020

Tot Ion:106 Resp: 156075

Ion Ratio Lower Upper

106 100

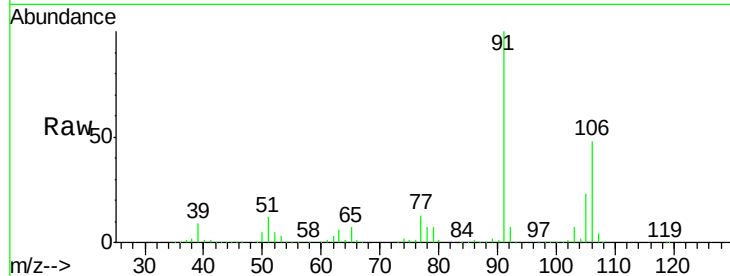
91 209.0 166.8 250.2

Manual Integrations

APPROVED

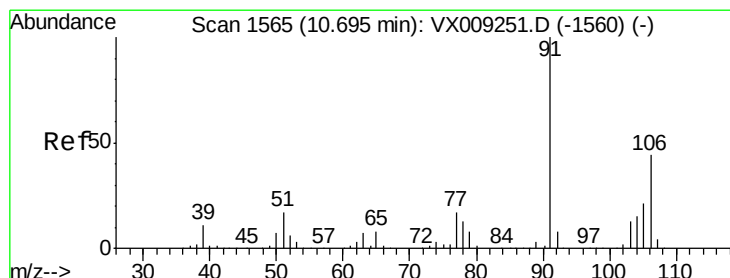
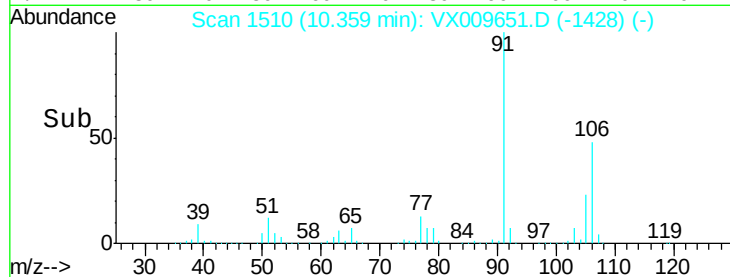
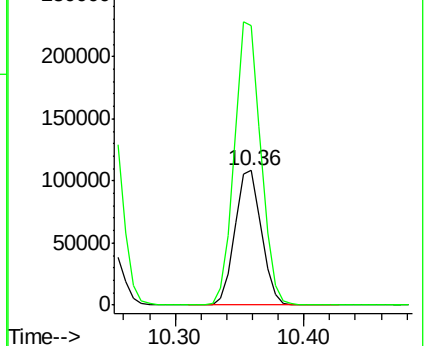
MMDadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 19.292 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VX009651.D

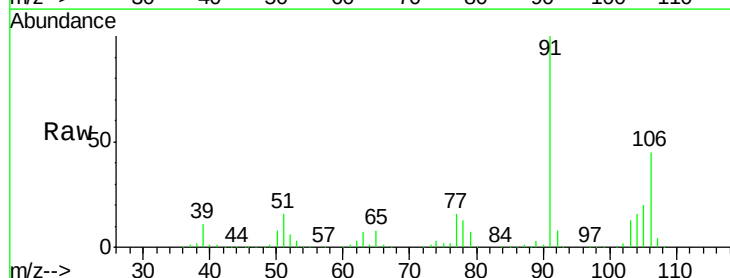
Acq: 17 May 2019 09:45

Tgt Ion:106 Resp: 77358

Ion Ratio Lower Upper

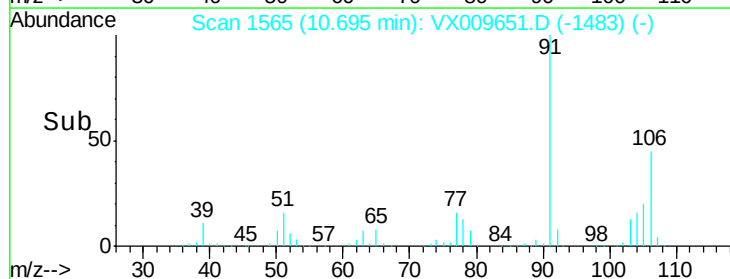
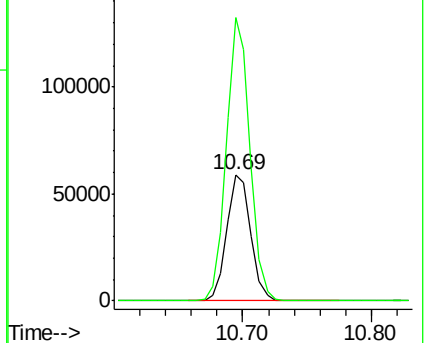
106 100

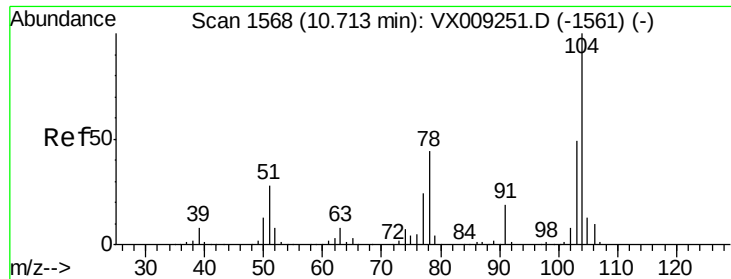
91 218.6 110.8 332.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





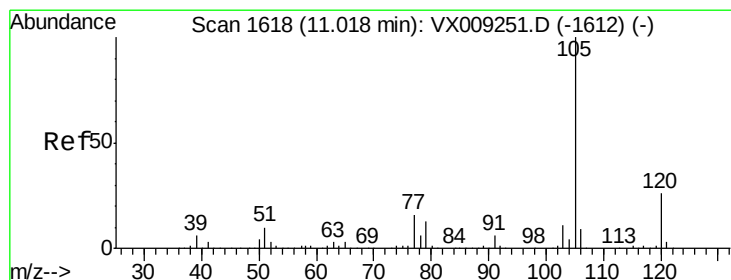
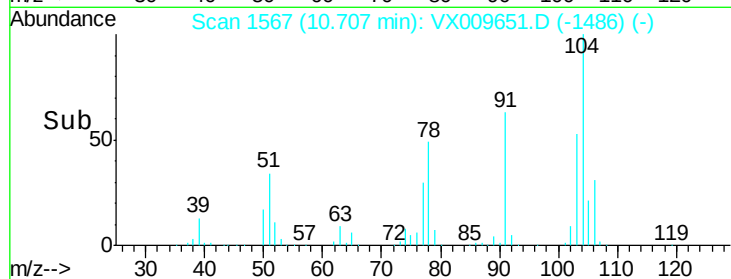
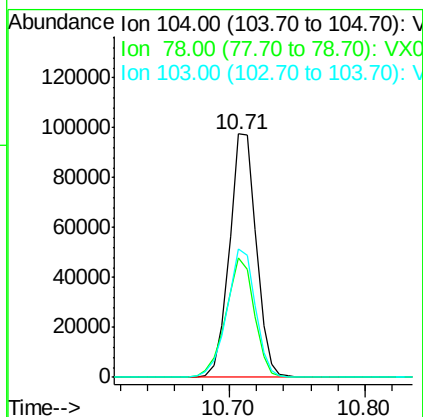
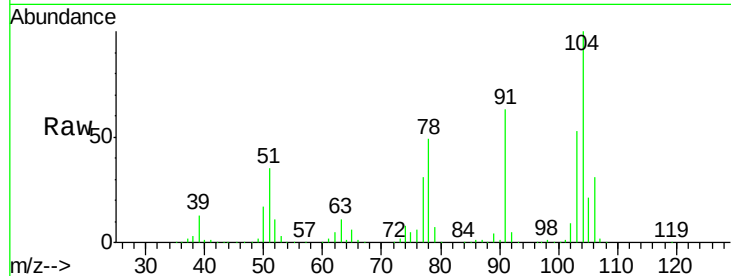
#69
 Stvrene
 Concen: 19.004 ug/l
 RT: 10.71 min Scan# 1567
 Delta R.T. -0.01 min
 Lab File: VX009651.D
 Acq: 17 May 2019 09:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
104	100	133773		
78	52.2		41.1	61.7
103	55.8		43.8	65.8

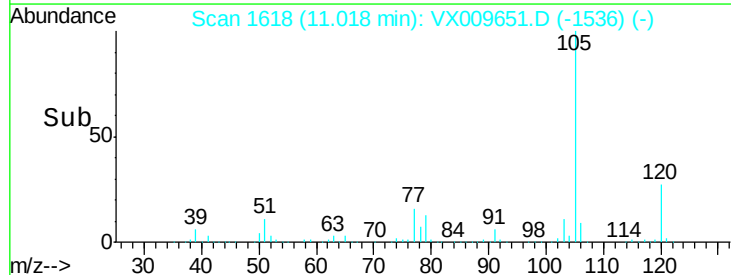
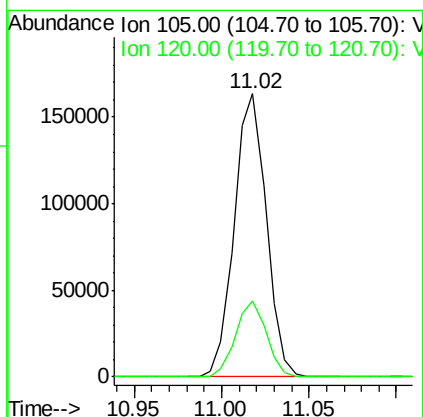
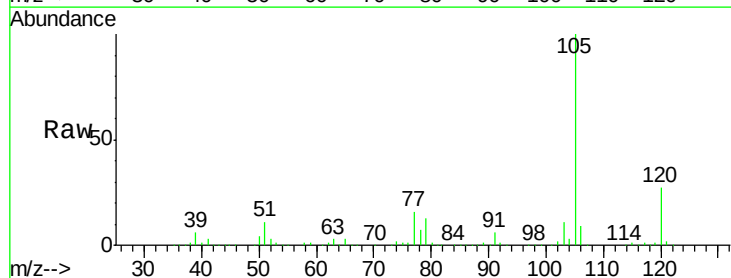
Manual Integrations
 APPROVED

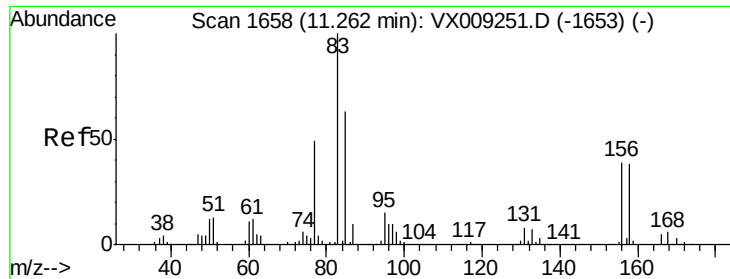
MMDadoda
 5/20/2019 11:16:37 AM



#70
 Isopropylbenzene
 Concen: 19.303 ug/l
 RT: 11.02 min Scan# 1618
 Delta R.T. -0.00 min
 Lab File: VX009651.D
 Acq: 17 May 2019 09:45

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	208156		
120	26.1		18.1	33.7





#71

1,1,2,2-Tetrachloroethane

Concen: 19.136 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.01 min

Lab File: VX009651.D

Acq: 17 May 2019 09:45

Instrument :

MSVOA_X

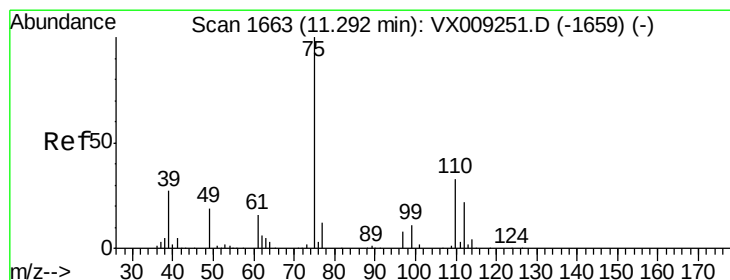
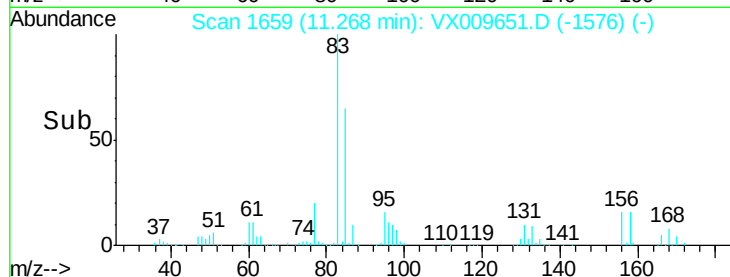
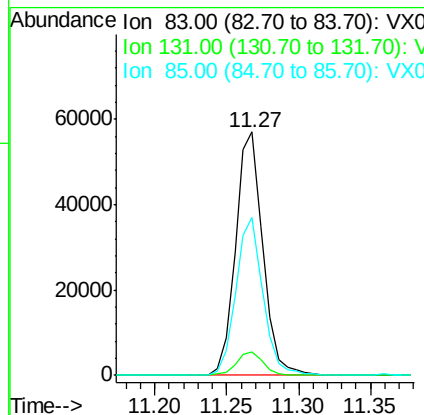
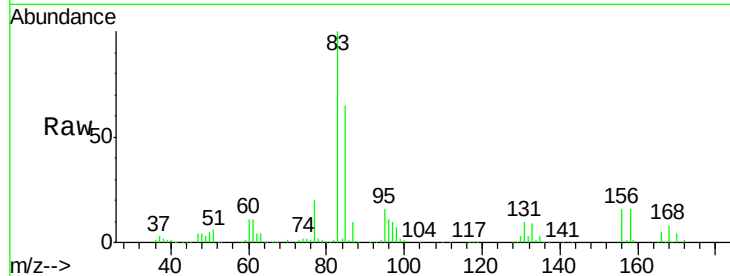
ClientSampleId :

VSTDCCC020

Tot Ion:	83	Resp:	75574
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.7	14.0
85	64.4	32.4	97.2

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#72

1,2,3-Trichloropropane

Concen: 19.024 ug/l m

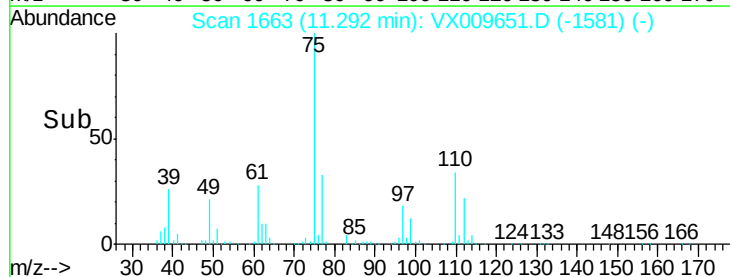
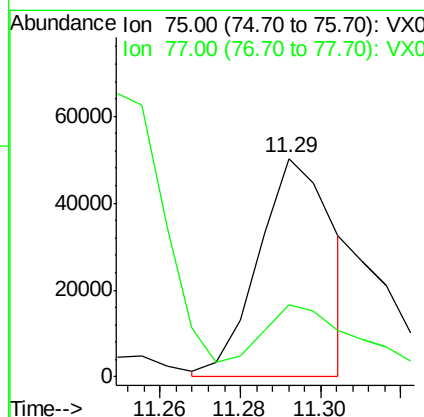
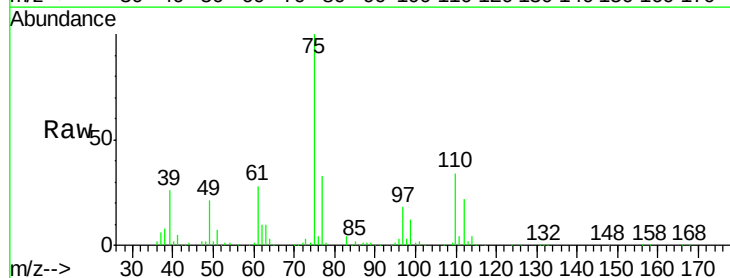
RT: 11.29 min Scan# 1663

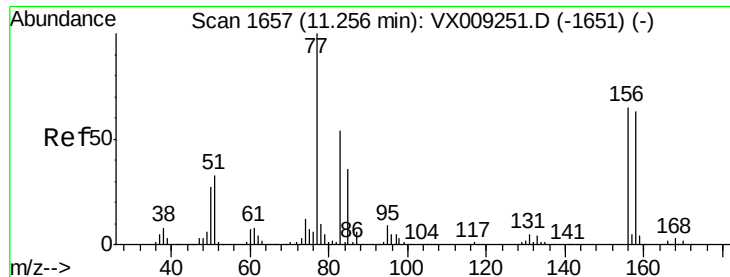
Delta R.T. -0.00 min

Lab File: VX009651.D

Acq: 17 May 2019 09:45

Tgt Ion:	75	Resp:	64746
Ion Ratio	Lower	Upper	
75	100		
77	44.4	0.0	86.4





#73

Bromobenzene

Concen: 18.895 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009651.D

Acq: 17 May 2019 09:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion:156 Resp: 50343

Ion Ratio Lower Upper

156 100

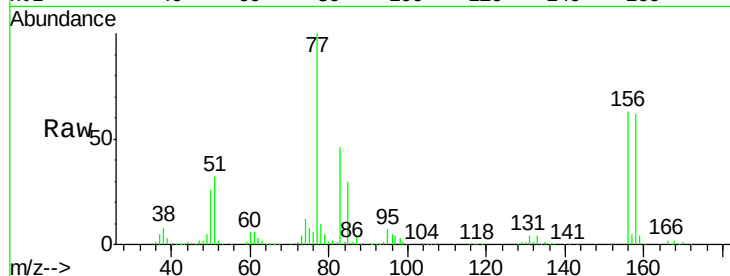
77 172.7 0.0 335.6

158 97.8 0.0 191.2

Manual Integrations
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MMDadoda

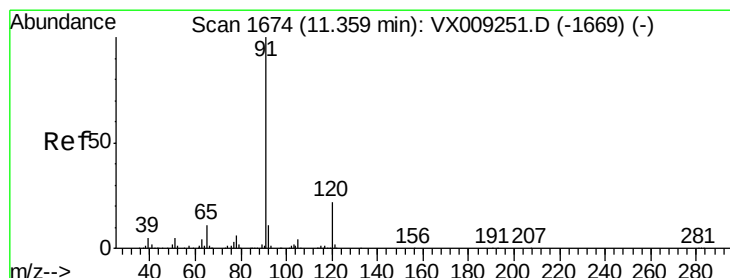
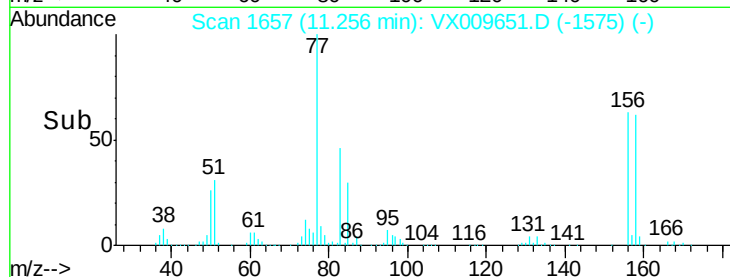
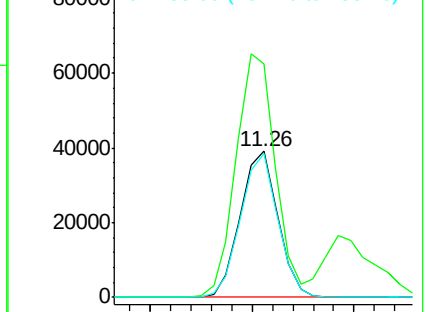
5/20/2019 11:16:37 AM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.707 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009651.D

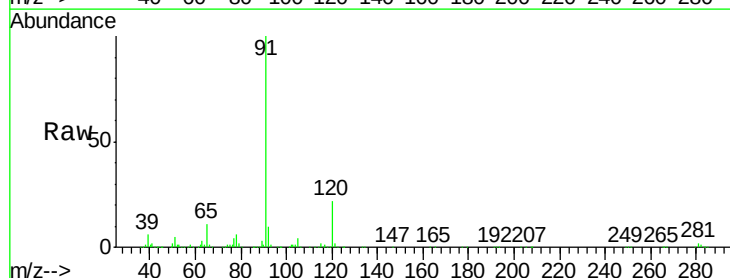
Acq: 17 May 2019 09:45

Tgt Ion: 91 Resp: 246276

Ion Ratio Lower Upper

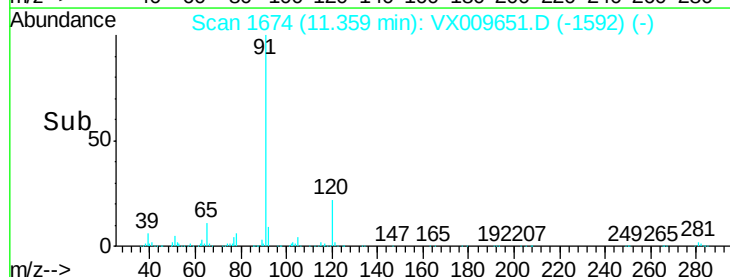
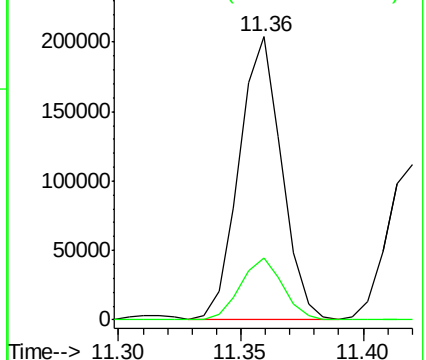
91 100

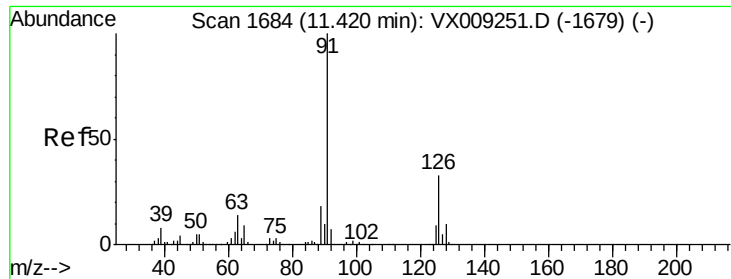
120 21.8 0.0 43.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.132 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009651.D

Acq: 17 May 2019 09:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 91 Resp: 143405

Ion Ratio Lower Upper

91 100

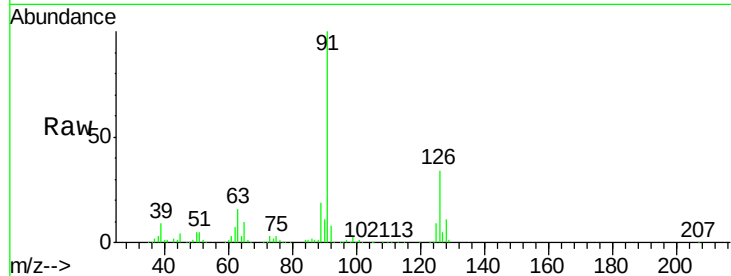
126 32.5 0.0 64.0

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

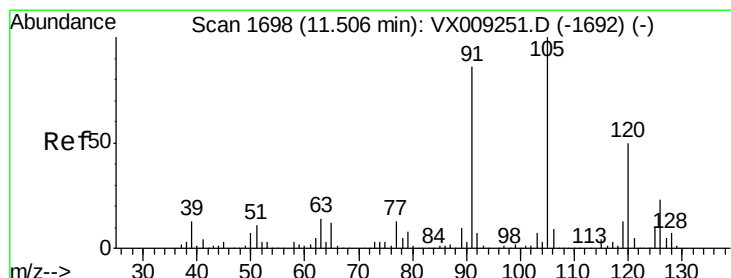
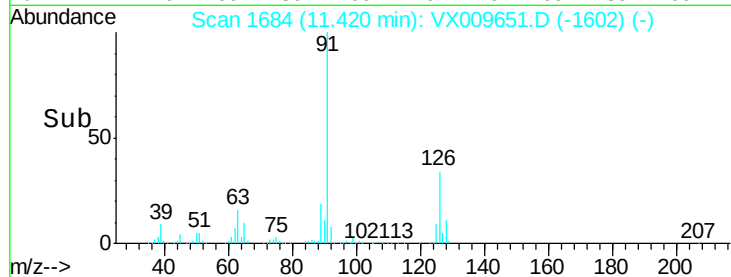
100000

50000

0

11.40 11.42 11.45

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 19.559 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009651.D

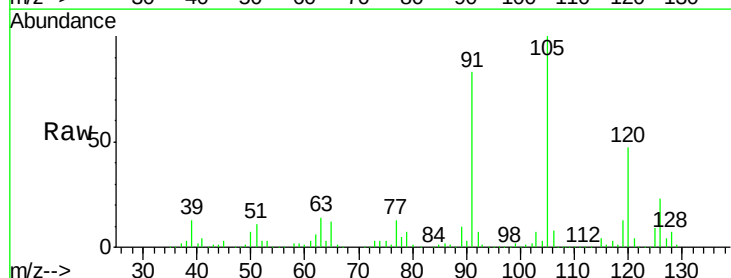
Acq: 17 May 2019 09:45

Tgt Ion: 105 Resp: 178665

Ion Ratio Lower Upper

105 100

120 47.5 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

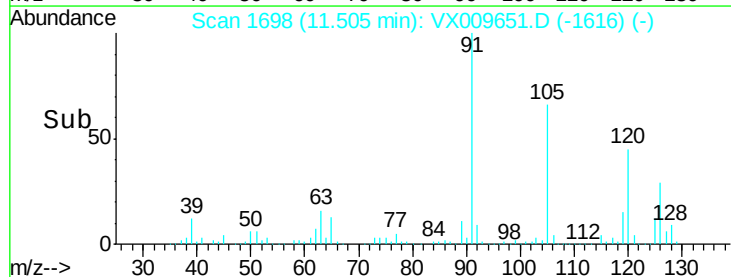
100000

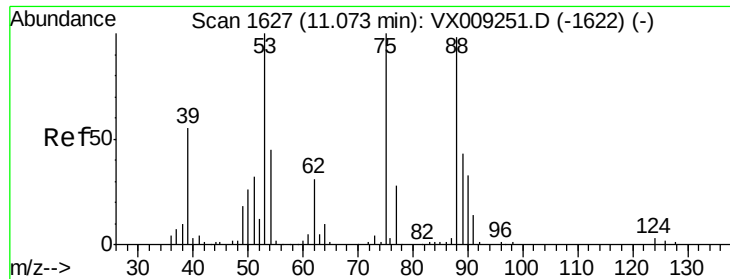
50000

0

11.45 11.50 11.55

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 17.562 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009651.D

Acq: 17 May 2019 09:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 75 Resp: 24109

Ion Ratio Lower Upper

75 100

53 107.7 50.0 149.8

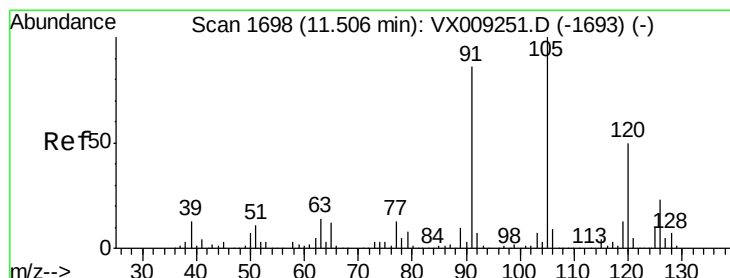
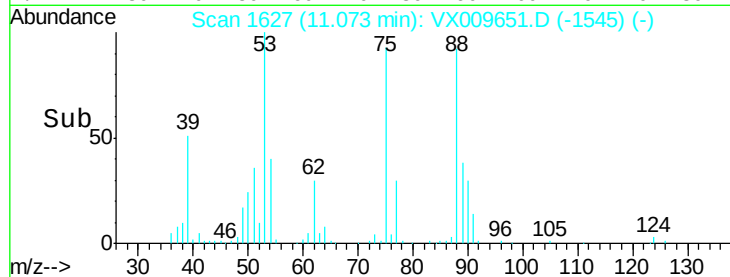
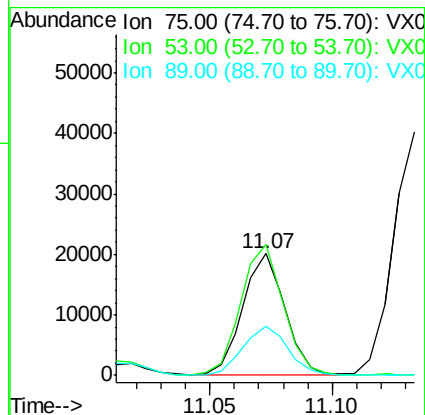
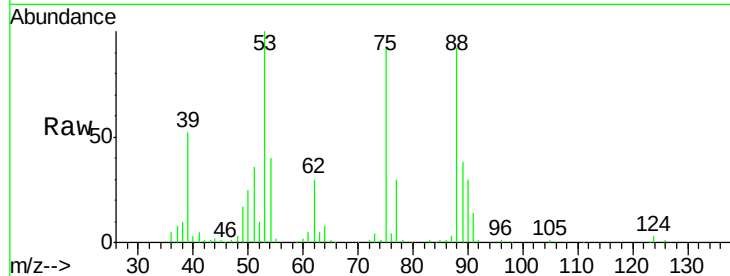
89 40.9 21.6 65.0

Manual Integrations

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#78

4-Chlorotoluene

Concen: 19.439 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX009651.D

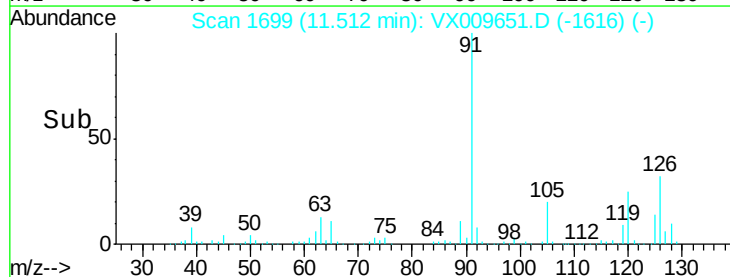
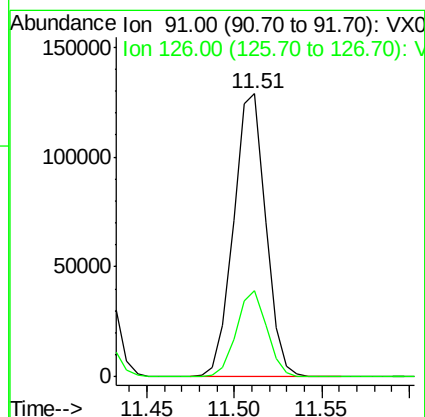
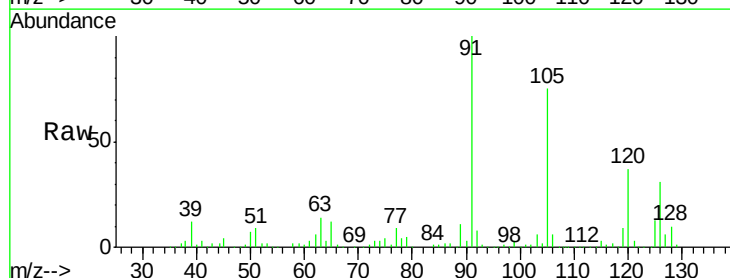
Acq: 17 May 2019 09:45

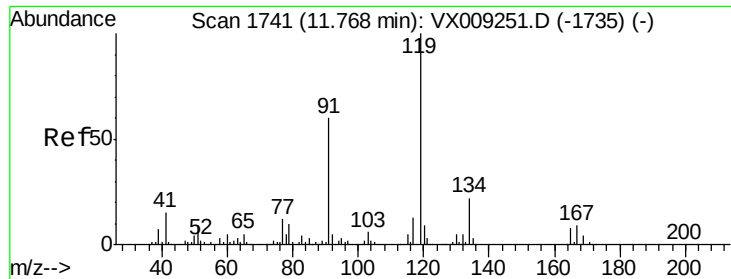
Tgt Ion: 91 Resp: 165487

Ion Ratio Lower Upper

91 100

126 29.0 0.0 57.0





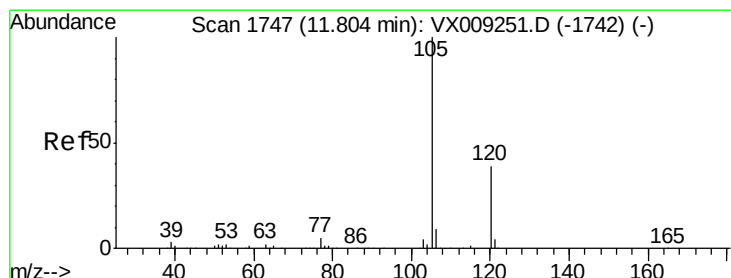
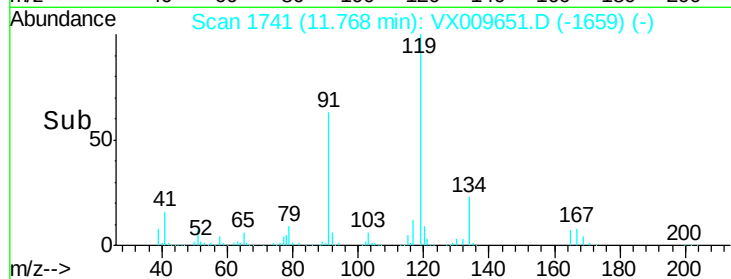
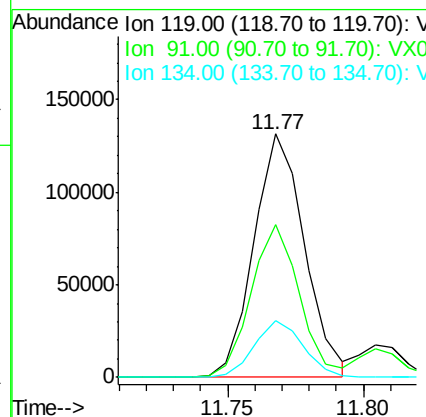
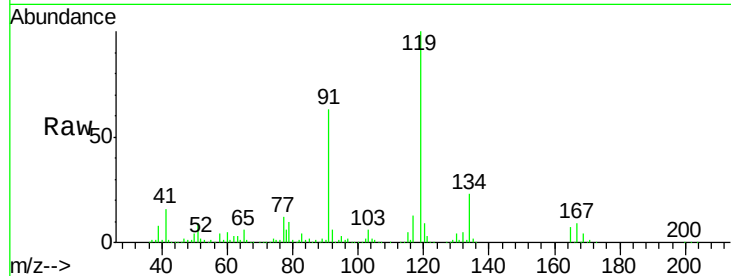
#79
tert-butylbenzene
Concen: 19.208 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX009651.D
Acq: 17 May 2019 09:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	169618		
91	60.1	0.0	118.2	
134	22.8	0.0	45.0	

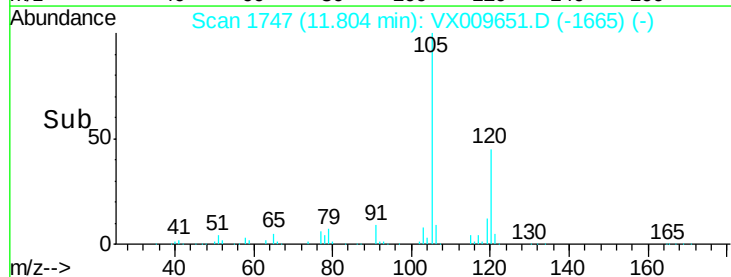
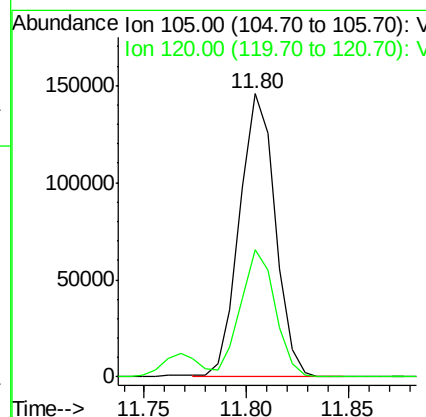
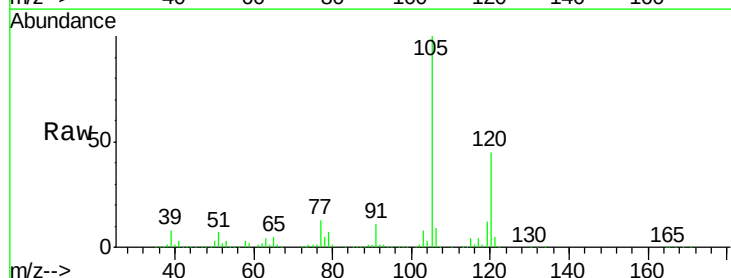
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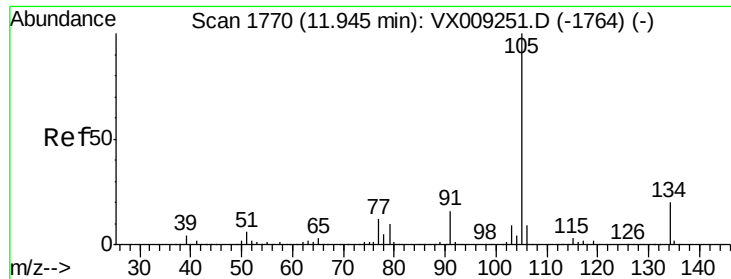
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 19.305 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX009651.D
Acq: 17 May 2019 09:45

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	176745		
120	43.4	0.0	89.6	





#81

sec-Butylbenzene

Concen: 19.691 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009651.D

Acq: 17 May 2019 09:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion:105 Resp: 206591

Ion Ratio Lower Upper

105 100

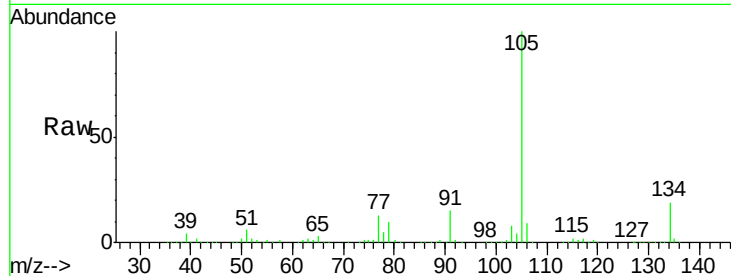
134 19.3 0.0 38.6

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

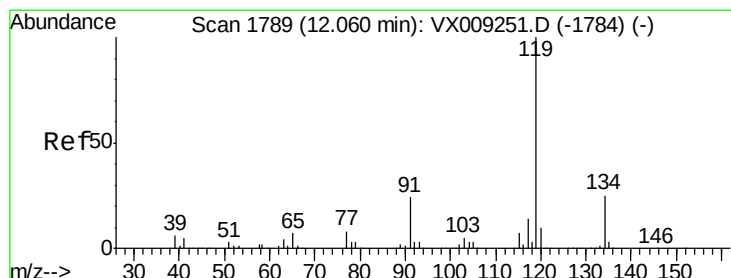
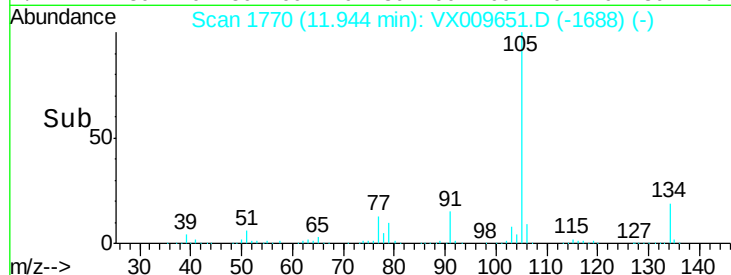
150000

100000

50000

0

Time-->



#82

p-Isopropyltoluene

Concen: 19.659 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009651.D

Acq: 17 May 2019 09:45

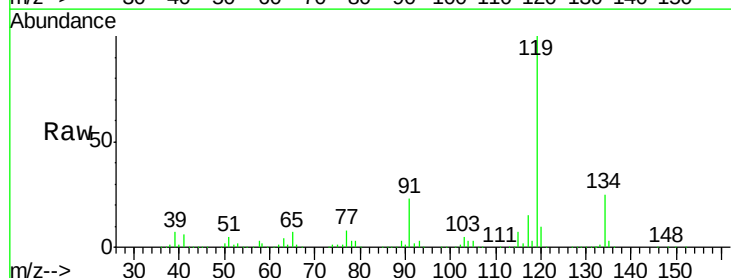
Tgt Ion:119 Resp: 187620

Ion Ratio Lower Upper

119 100

134 25.7 0.0 50.8

91 23.8 0.0 47.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.06

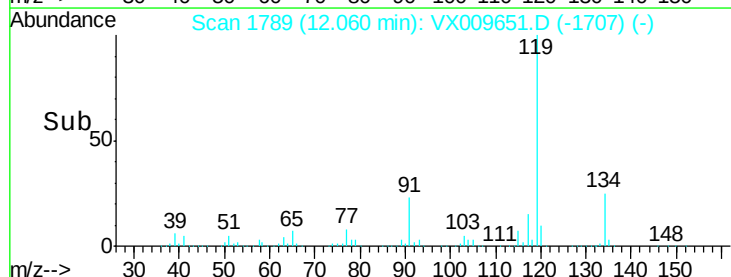
150000

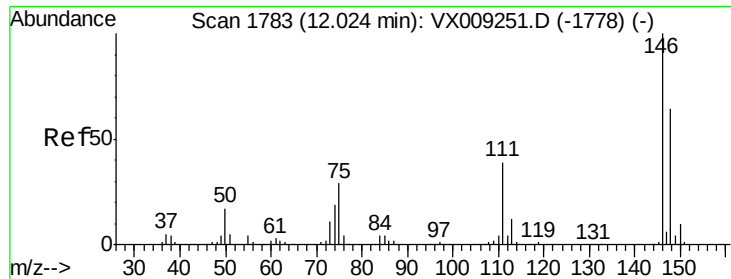
100000

50000

0

Time-->





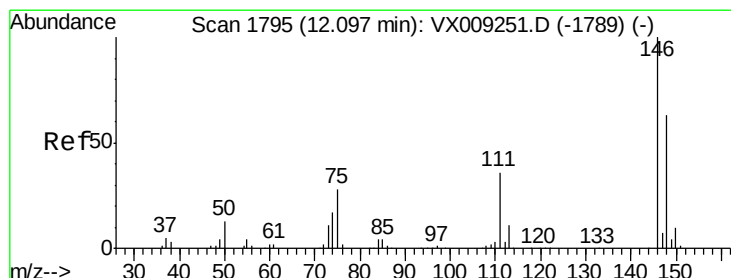
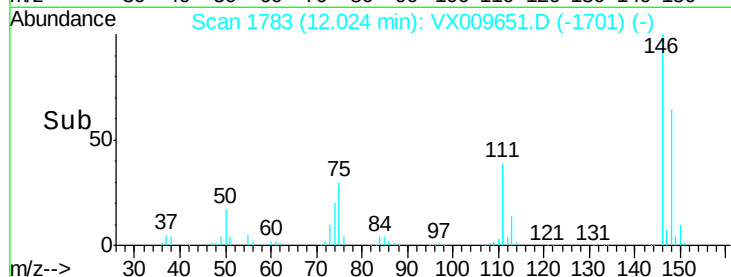
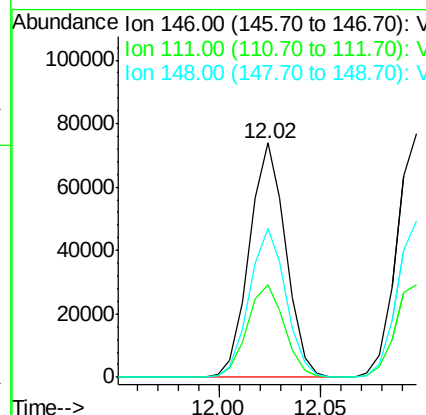
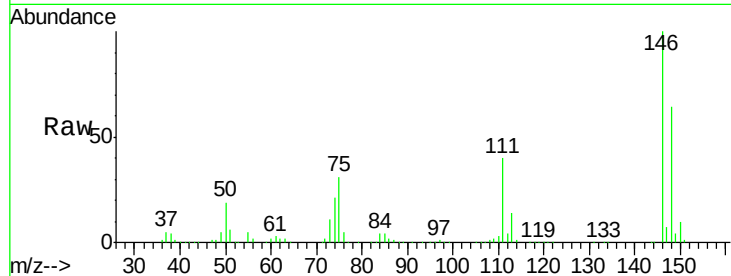
#83
 1,3-Dichlorobenzene
 Concen: 19.215 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009651.D
 Acq: 17 May 2019 09:45

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.0	60.0
148	63.7	32.2	96.6

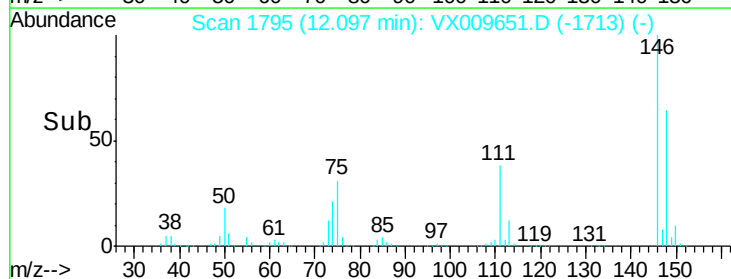
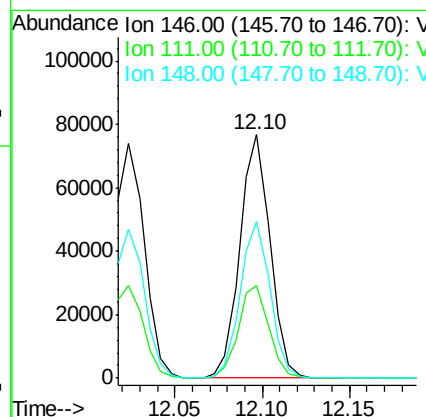
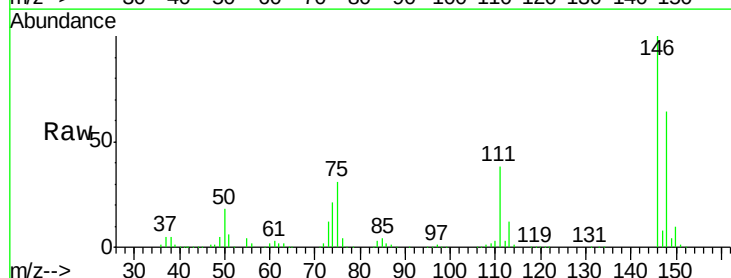
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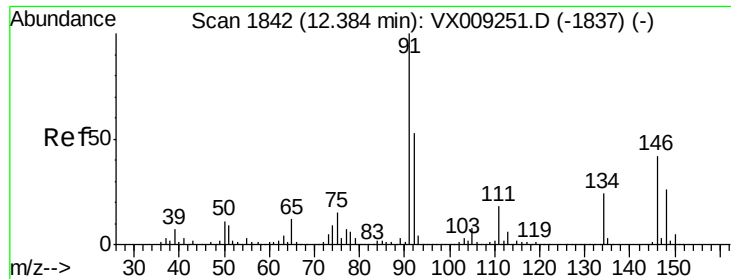
MMDadoda
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#84
 1,4-Dichlorobenzene
 Concen: 19.486 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009651.D
 Acq: 17 May 2019 09:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.6	58.7
148	63.3	32.3	96.8





#85

n-Butylbenzene

Concen: 19.795 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX009651.D

Acq: 17 May 2019 09:45

Instrument :

MSVOA_X

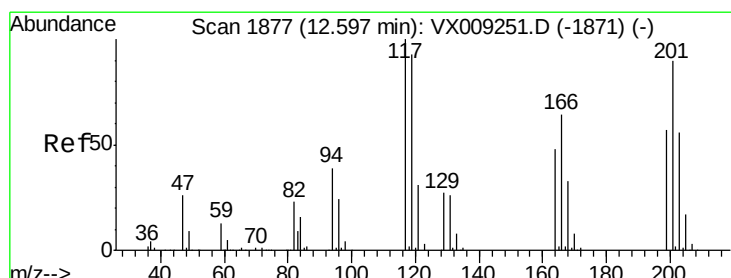
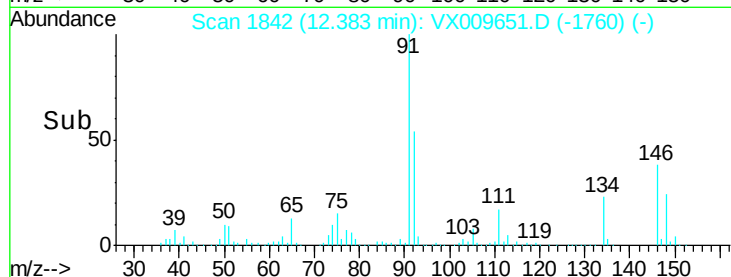
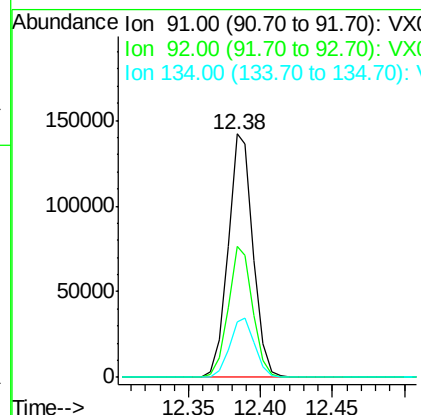
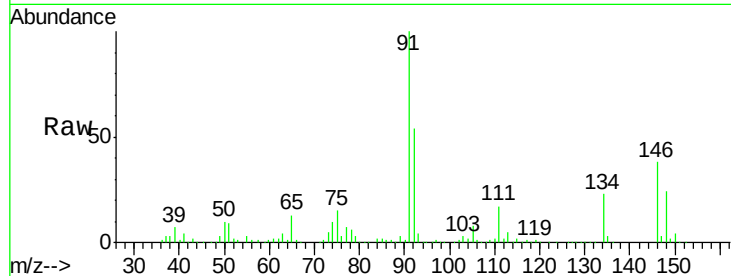
ClientSampleId :

VSTDCCC020

Tot Ion:	91	Resp:	172864
Ion	Ratio	Lower	Upper
91	100		
92	52.9	0.0	106.6
134	24.5	0.0	50.0

Manual Integrations
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#86

Hexachloroethane

Concen: 18.430 ug/l

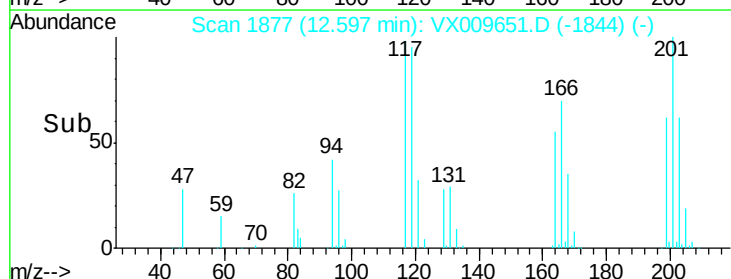
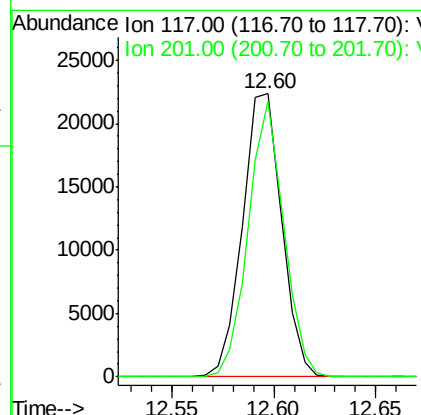
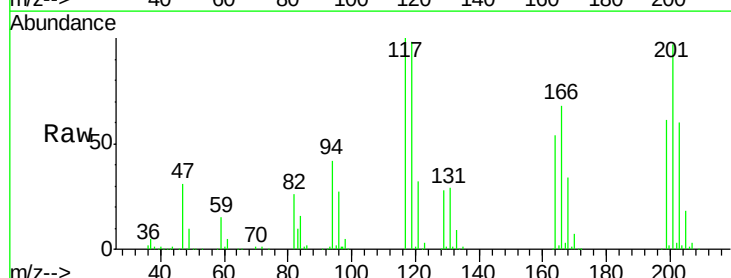
RT: 12.60 min Scan# 1877

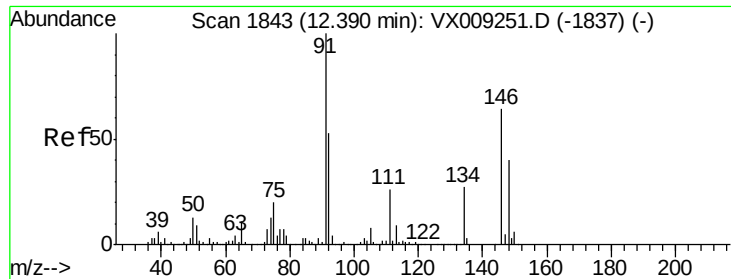
Delta R.T. -0.00 min

Lab File: VX009651.D

Acq: 17 May 2019 09:45

Tgt Ion:	117	Resp:	29930
Ion	Ratio	Lower	Upper
117	100		
201	88.2	41.8	125.4





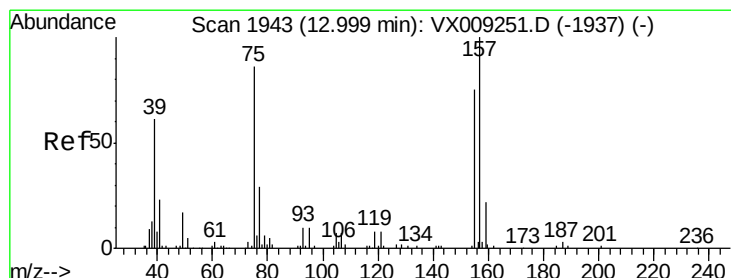
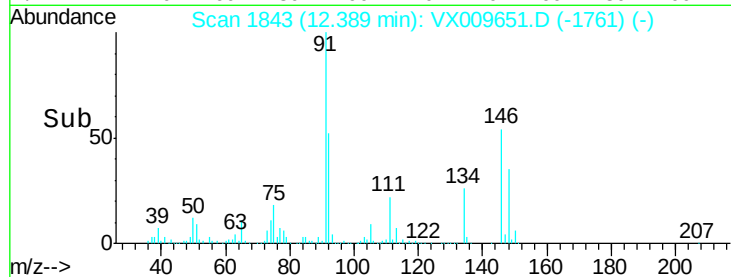
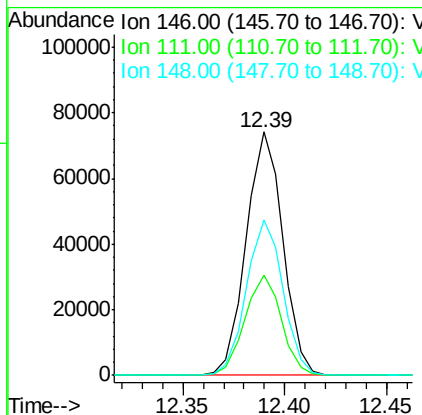
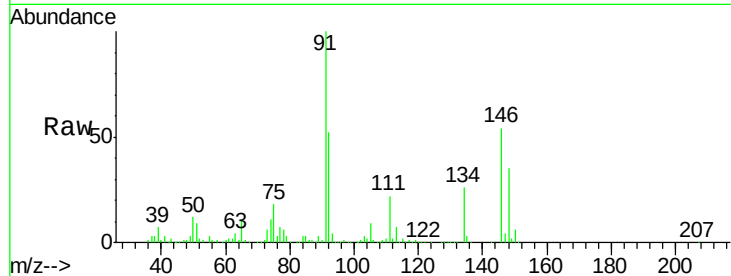
#87
 1,2-Dichlorobenzene
 Concen: 19.386 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009651.D
 Acq: 17 May 2019 09:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.8	62.2
148	63.9	31.4	94.3

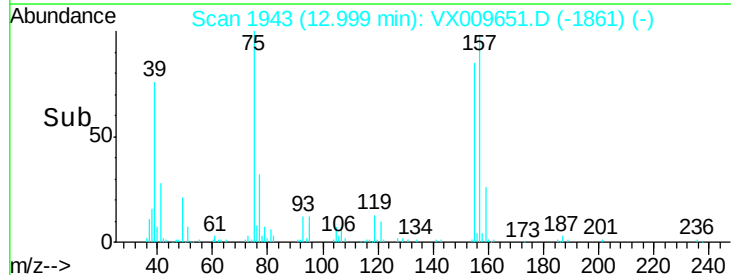
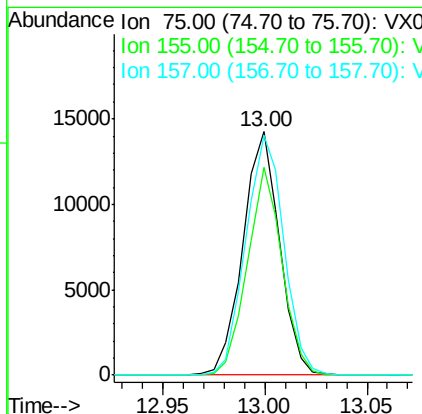
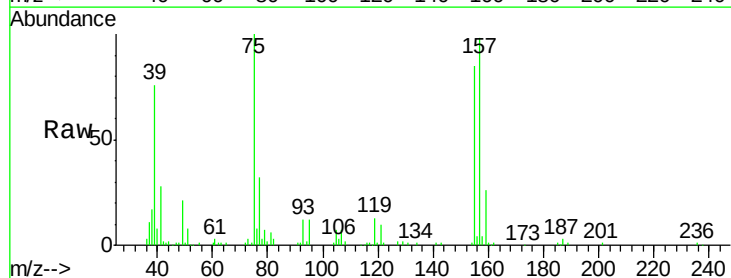
Manual Integrations
 APPROVED

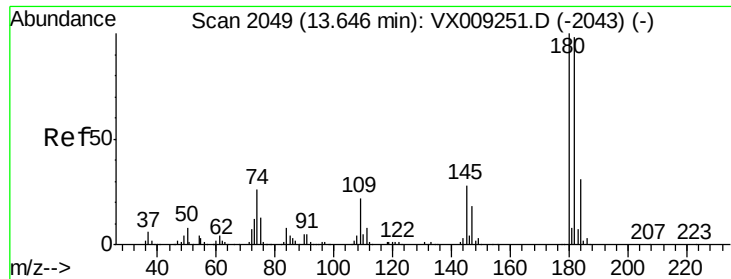
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.363 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009651.D
 Acq: 17 May 2019 09:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.9	65.9	98.9
157	102.5	85.2	127.8





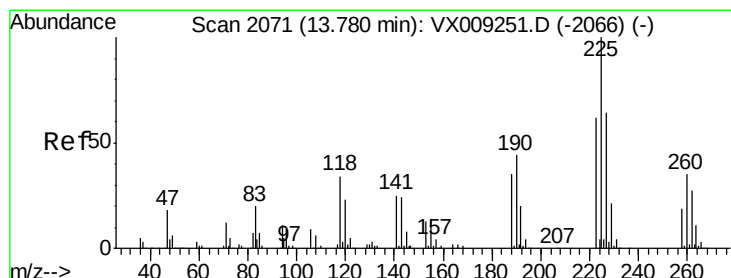
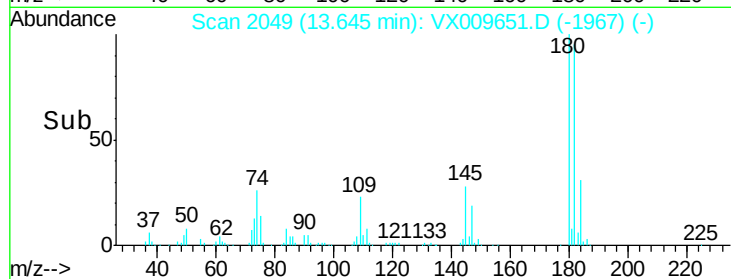
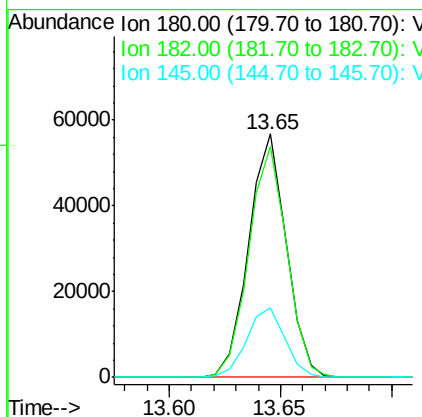
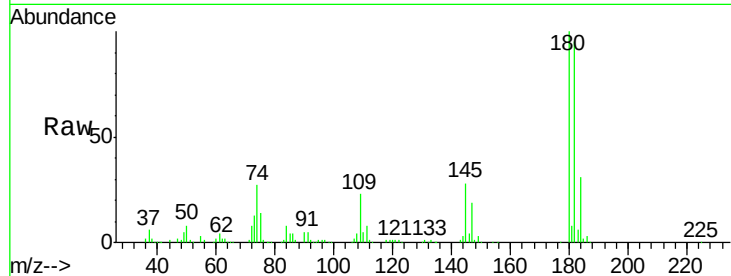
#89
 1,2,4-Trichlorobenzene
 Concen: 19.657 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009651.D
 Acq: 17 May 2019 09:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	67107		
182	95.8	76.9	115.3	
145	29.0	23.0	34.6	

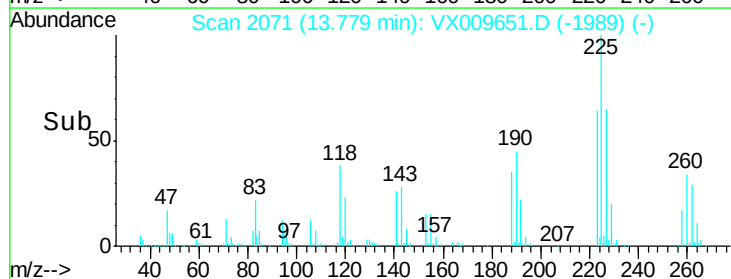
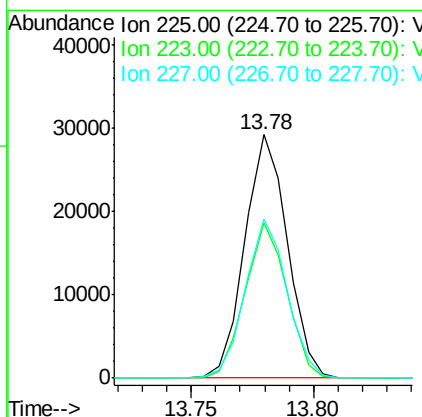
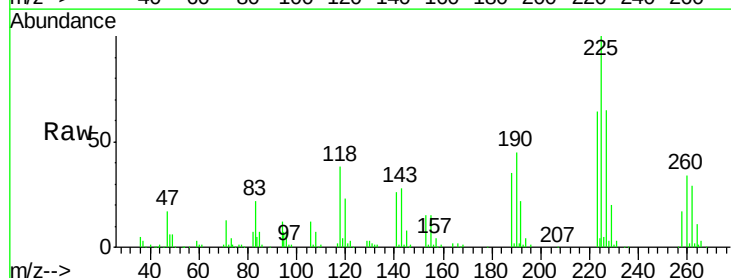
Manual Integrations
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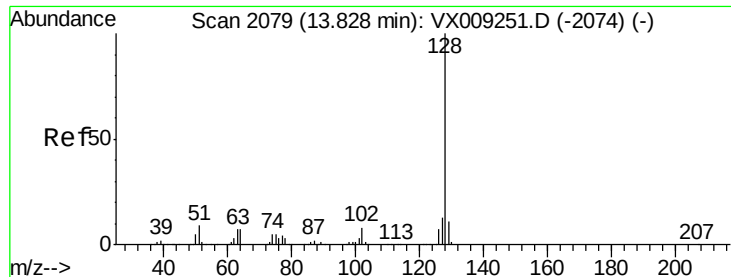
MMDadoda
 5/20/2019 11:16:37 AM



#90
 Hexachlorobutadiene
 Concen: 20.753 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009651.D
 Acq: 17 May 2019 09:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	35390		
223	62.6	0.0	126.6	
227	64.5	0.0	130.0	





#91

Naphthalene

Concen: 19.414 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX009651.D

Acq: 17 May 2019 09:45

Instrument :

MSVOA_X

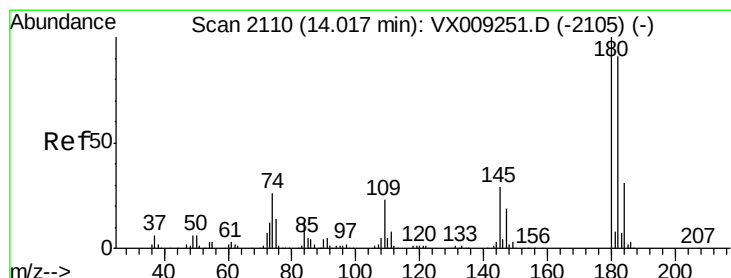
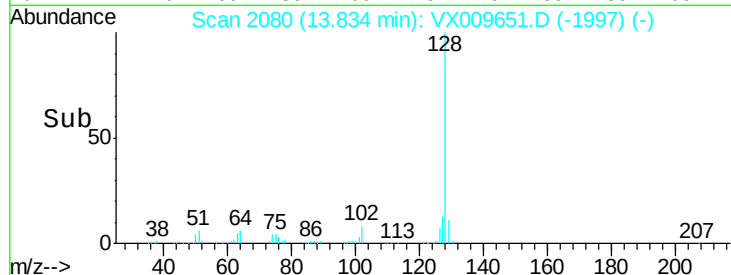
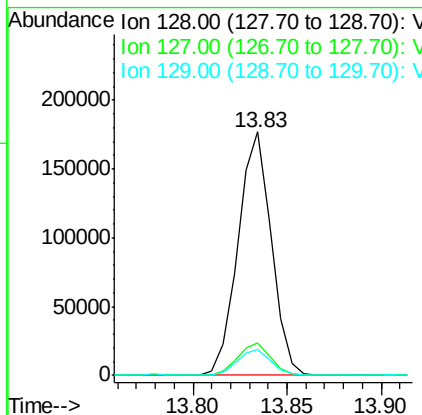
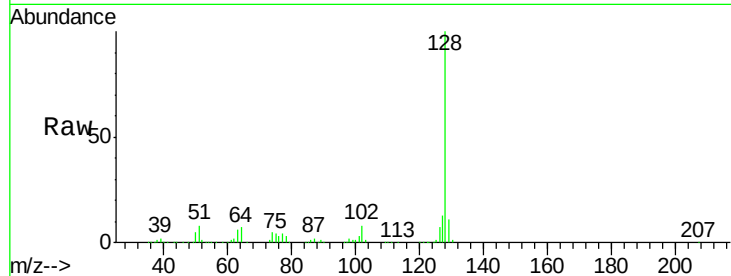
ClientSampleId :

VSTDCCC020

Tot Ion:	128	Resp:	217003
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.5	15.7
129	10.8	8.7	13.1

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#92

1,2,3-Trichlorobenzene

Concen: 20.044 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX009651.D

Acq: 17 May 2019 09:45

Tgt Ion:	180	Resp:	69561
Ion Ratio	Lower	Upper	
180	100		
182	95.4	0.0	189.0
145	30.0	0.0	61.6

