

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050119\
 Data File : VX009262.D
 Acq On : 01 May 2019 18:24
 Operator : JC/SP
 Sample : VX0501WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0501WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/2/2019 10:53:51 AM

Quant Time: May 02 07:09:37 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	31042	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	177434	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	158173	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	75486	29.31	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.70%
60) 4-Bromofluorobenzene	11.13	95	78985	29.39	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.97%
63) Toluene-d8	8.71	98	226176	30.16	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.53%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	30899	18.733	ug/l 96
3) Chloromethane	1.32	50	42636	19.230	ug/l 98
4) Vinyl Chloride	1.40	62	41435	18.733	ug/l 98
5) Bromomethane	1.64	94	25649	18.294	ug/l 98
6) Chloroethane	1.72	64	26082	17.981	ug/l 100
7) Trichlorofluoromethane	1.93	101	51257	18.767	ug/l 98
8) Diethyl Ether	2.19	74	23971	18.902	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	31946	18.892	ug/l 99
10) 1,1-Dichloroethene	2.37	96	31509	18.558	ug/l 98
11) Methyl Iodide	2.51	142	32920	17.836	ug/l 97
12) Methyl Acetate	2.77	43	60259	18.842	ug/l 97
13) Acrolein	2.29	56	37842	86.273	ug/l 99
14) Acrylonitrile	3.14	53	132362	95.368	ug/l 99
15) Acetone	2.44	58	36635	91.936	ug/l 97
16) Carbon Disulfide	2.57	76	84420	18.376	ug/l 100
17) Allyl chloride	2.73	41	76480	18.762	ug/l 96
18) Methylene Chloride	2.85	84	38917	18.965	ug/l 96
19) trans-1,2-Dichloroethene	3.16	96	34139	18.858	ug/l 98
20) Diisopropyl ether	3.85	45	151731	18.902	ug/l 98
21) 1,1-Dichloroethane	3.70	63	73115	18.821	ug/l 99
22) cis-1,2-Dichloroethene	4.60	96	41224	18.905	ug/l 99
23) tert-Butyl Alcohol	3.04	59	55104	93.896	ug/l # 100
24) Methyl tert-Butyl Ether	3.19	73	124855	18.790	ug/l 100
25) Chloroform	5.21	83	66527	18.766	ug/l 96
26) Cyclohexane	5.58	56	68107	18.811	ug/l # 98
29) 1,1-Dichloropropene	5.80	75	50417	19.365	ug/l 99
30) 2-Butanone	4.67	43	198047	97.132	ug/l 99
31) 2,2-Dichloropropane	4.59	77	54217	18.889	ug/l 100
32) 1,1,1-Trichloroethane	5.49	97	53878	19.089	ug/l 99
33) Carbon Tetrachloride	5.79	117	44848	18.991	ug/l 99
34) Benzene	6.14	78	155627	19.389	ug/l 99
35) Methacrylonitrile	5.04	41	42502	19.924	ug/l 95
36) 1,2-Dichloroethane	6.19	62	56031	19.238	ug/l 100
37) Trichloroethene	7.21	130	36231	18.751	ug/l 96
38) Methylcyclohexane	7.46	83	62009	19.278	ug/l 98
39) 1,2-Dichloropropane	7.51	63	44902	19.644	ug/l 97
40) Dibromomethane	7.66	93	25181	19.410	ug/l 98

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MMDadoda
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 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	50238	18.958	ug/l	96
42) Vinyl Acetate	3.81	43	662033	98.378	ug/l	99
43) Ethyl Acetate	4.83	43	72984	19.809	ug/l	99
44) Isopropyl Acetate	6.45	43	114396	19.166	ug/l	99
45) 1,4-Dioxane	7.74	88	23331	398.142	ug/l	98
46) Methyl methacrylate	7.77	41	56750	19.049	ug/l	98
47) n-amyl Acetate	10.90	43	98601	18.338	ug/l	99
48) t-1,3-Dichloropropene	9.04	75	56858	18.389	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	63714	18.771	ug/l	98
50) 1,1,2-Trichloroethane	9.21	97	39650	19.949	ug/l	98
51) Ethyl methacrylate	9.18	69	70177	19.106	ug/l	98
52) 1,3-Dichloropropane	9.37	76	69053	19.576	ug/l	99
53) Dibromochloromethane	9.58	129	37054	18.719	ug/l	98
54) 1,2-Dibromoethane	9.67	107	39732	19.491	ug/l	98
55) 2-Chloroethyl vinyl ether	8.31	63	200007	102.189	ug/l	100
56) Bromoform	10.85	173	27214	17.910	ug/l	99
58) 4-Methyl-2-Pentanone	8.64	43	380951	97.949	ug/l	100
59) 2-Hexanone	9.49	43	295525	96.876	ug/l	99
61) Tetrachloroethene	9.34	164	33637	19.291	ug/l	99
62) Toluene	8.78	91	164685	19.485	ug/l	100
64) Chlorobenzene	10.13	112	96397	18.951	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	34898	18.737	ug/l	100
66) Ethyl Benzene	10.25	91	178068	18.912	ug/l	99
67) m/p-Xylenes	10.36	106	132194	38.453	ug/l	99
68) o-Xylene	10.69	106	65144	19.272	ug/l	98
69) Styrene	10.71	104	110569	18.633	ug/l	99
70) Isopropylbenzene	11.02	105	172546	18.980	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	63879	19.187	ug/l	98
72) 1,2,3-Trichloropropane	11.29	75	55805m	19.451	ug/l	
73) Bromobenzene	11.26	156	42147	18.764	ug/l	99
74) n-propylbenzene	11.36	91	199112	18.900	ug/l	100
75) 2-Chlorotoluene	11.42	91	120240	19.029	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	146826	19.067	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	19880	17.178	ug/l	92
78) 4-Chlorotoluene	11.51	91	134693	18.768	ug/l	100
79) tert-butylbenzene	11.77	119	140188	18.832	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	146104	18.930	ug/l	100
81) sec-Butylbenzene	11.94	105	167089	18.892	ug/l	99
82) p-Isopropyltoluene	12.06	119	151319	18.808	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	74162	18.488	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	73500	18.392	ug/l	99
85) n-Butylbenzene	12.38	91	133278	18.104	ug/l	100
86) Hexachloroethane	12.60	117	24944	18.220	ug/l	98
87) 1,2-Dichlorobenzene	12.39	146	75281	18.644	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	13.00	75	14533	18.784	ug/l	98
89) 1,2,4-Trichlorobenzene	13.65	180	53292	18.517	ug/l	100
90) Hexachlorobutadiene	13.78	225	25802	17.948	ug/l	99
91) Naphthalene	13.83	128	184061	19.533	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	55534	18.983	ug/l	99

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MSVOA_X
ClientSampleId :
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Manual Integrations
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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

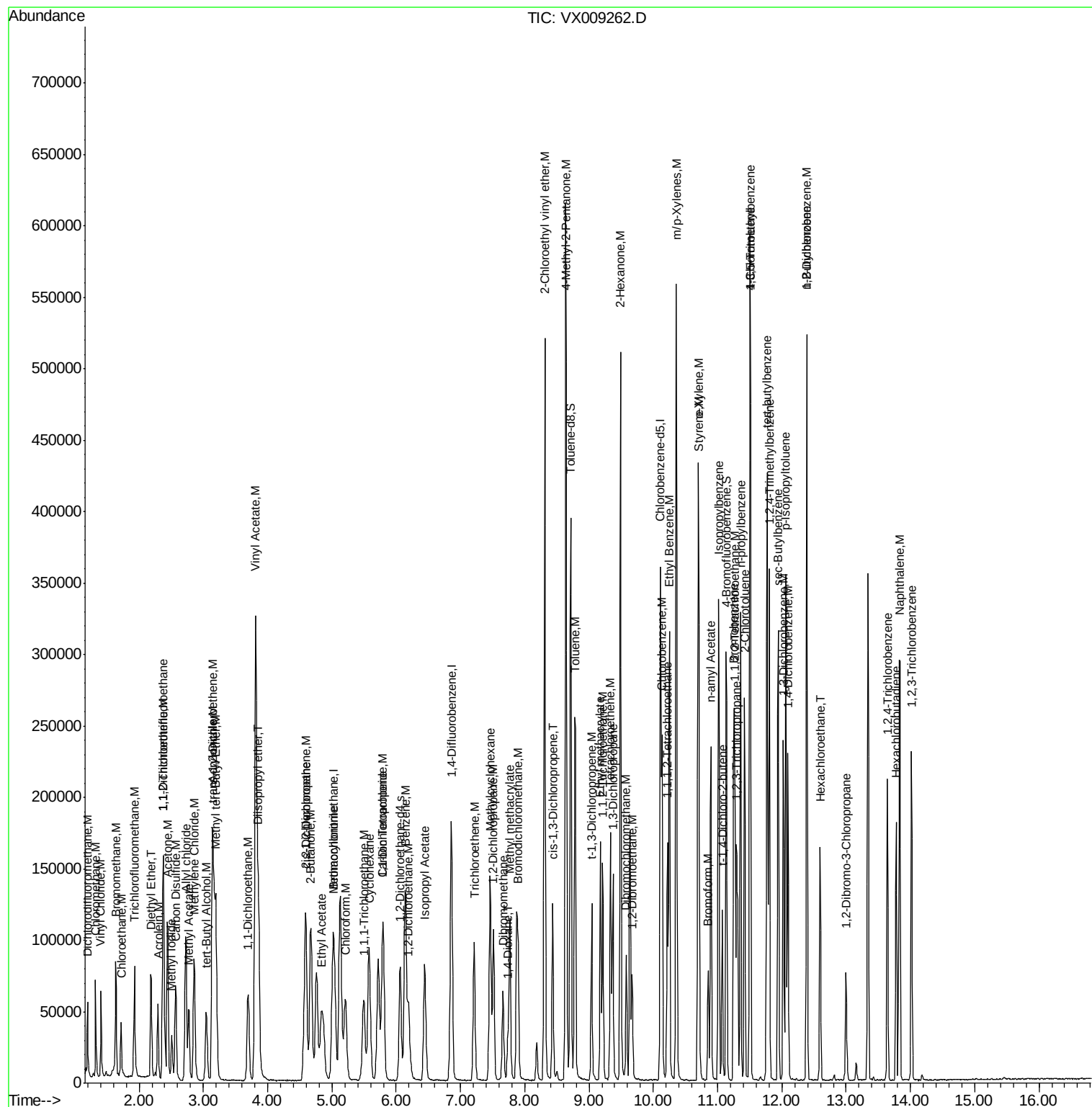
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050119\
 Data File : VX009262.D
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 ALS Vial : 14 Sample Multiplier: 1

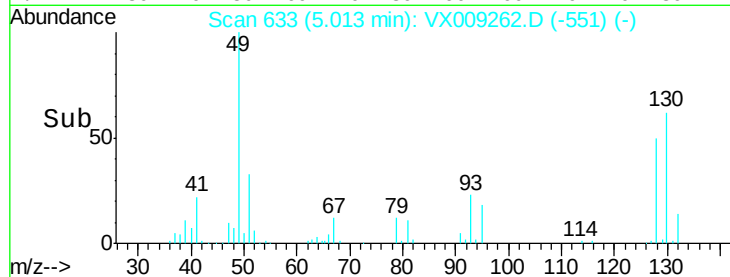
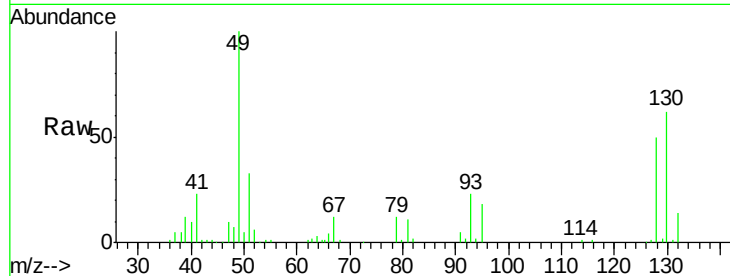
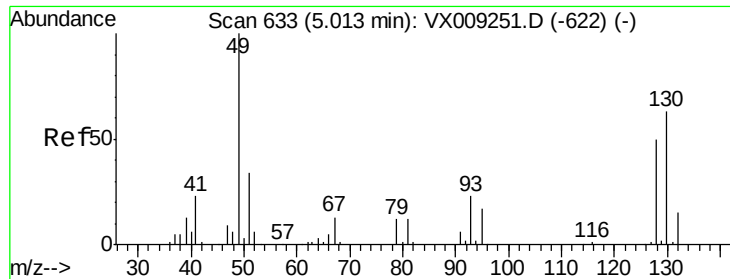
Instrument :
 MSVOA_X
 ClientSampled :
 VX0501WBSD01

Manual Integrations
 APPROVED

MMDadoda
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Quant Time: May 02 07:09:37 2019
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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: VX009262.D

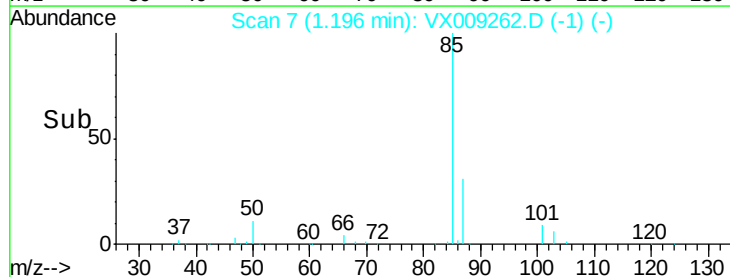
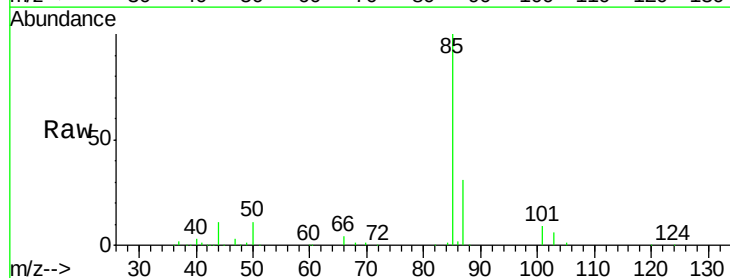
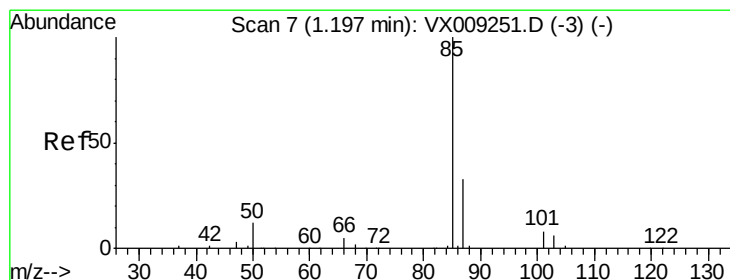
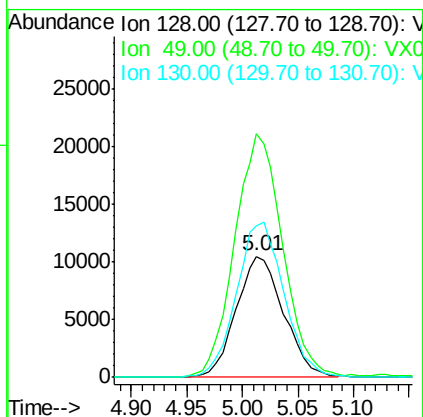
Acq: 01 May 2019 18:24

Tot Ion:	128	Resp:	31042
Ion	Ratio	Lower	Upper
128	100		
49	203.3	0.0	515.0
130	128.2	0.0	323.3

Instrument :
MSVOA_X
ClientSampleId :
VX0501WBSD01

Manual Integrations
APPROVED

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5/2/2019 10:53:51 AM



#2

Dichlorodifluoromethane

Concen: 18.733 ug/l

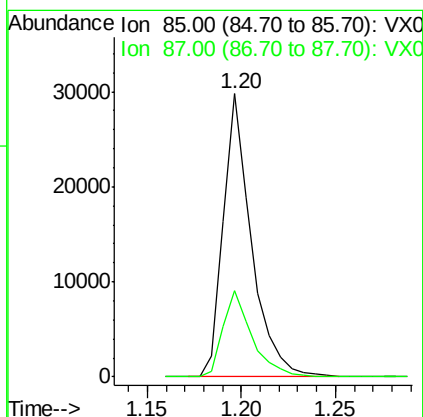
RT: 1.20 min Scan# 7

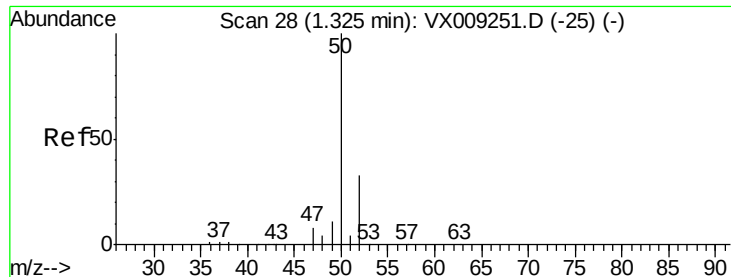
Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

Tgt Ion:	85	Resp:	30899
Ion	Ratio	Lower	Upper
85	100		
87	30.5	16.3	48.9





#3

Chloromethane

Concen: 19.230 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBSD01

Tot Ion: 50 Resp: 42636

Ion Ratio Lower Upper

50 100

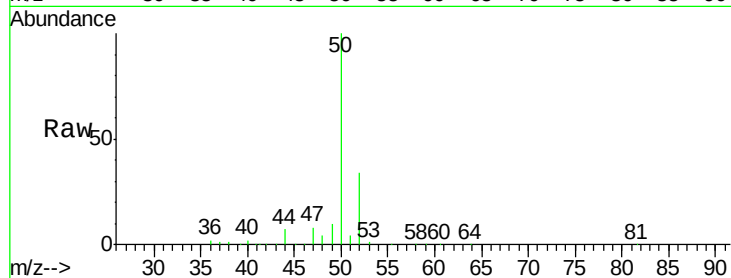
52 33.9 26.3 39.5

Manual Integrations

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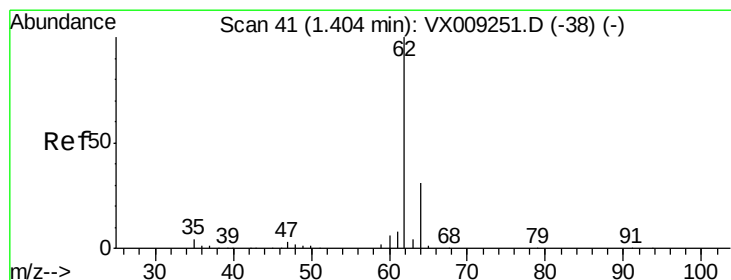
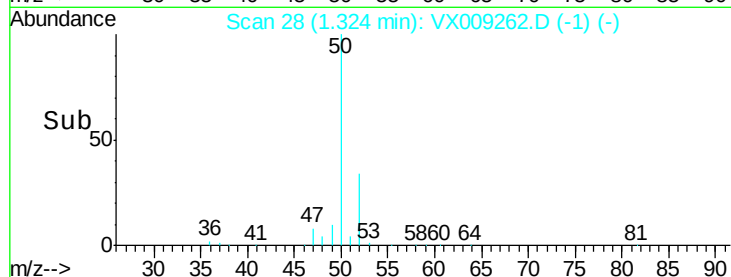
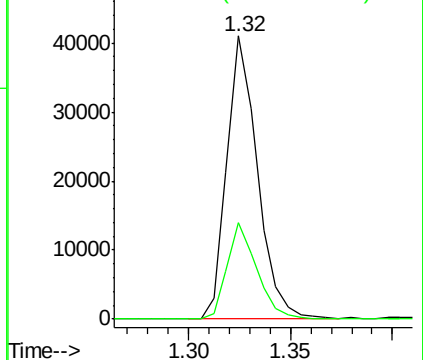
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Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 18.733 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX009262.D

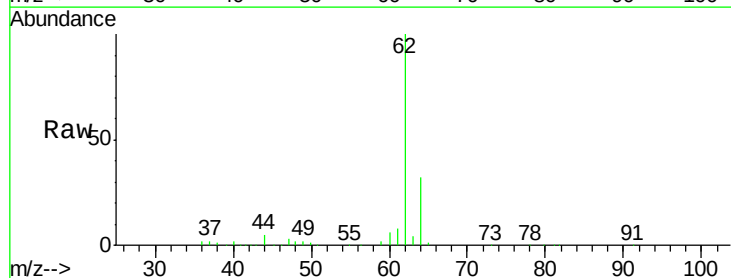
Acq: 01 May 2019 18:24

Tgt Ion: 62 Resp: 41435

Ion Ratio Lower Upper

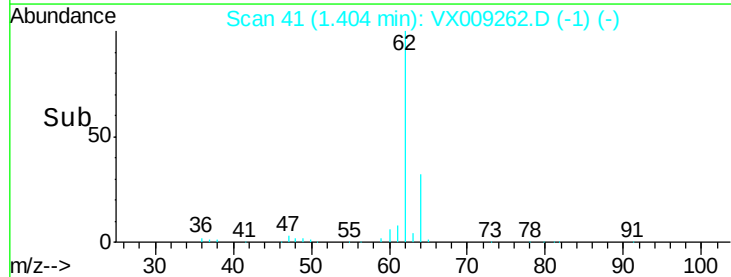
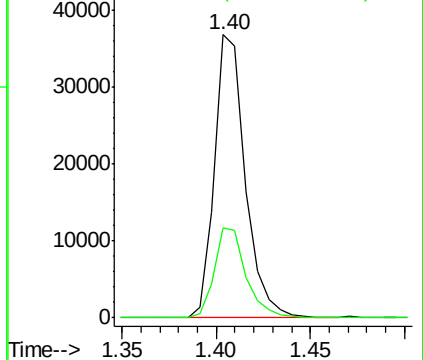
62 100

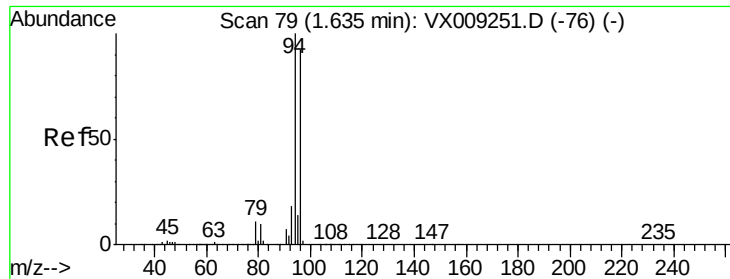
64 31.8 24.6 36.8



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 18.294 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBSD01

Tot Ion: 94 Resp: 25649

Ion Ratio Lower Upper

94 100

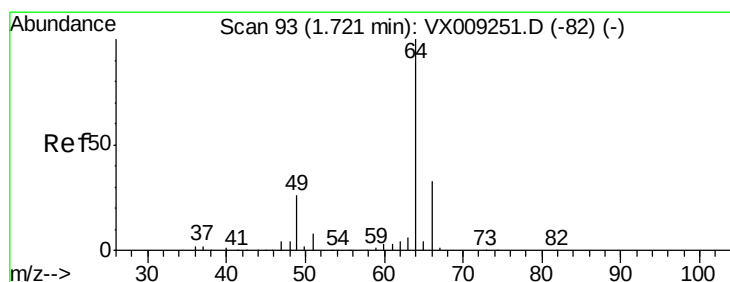
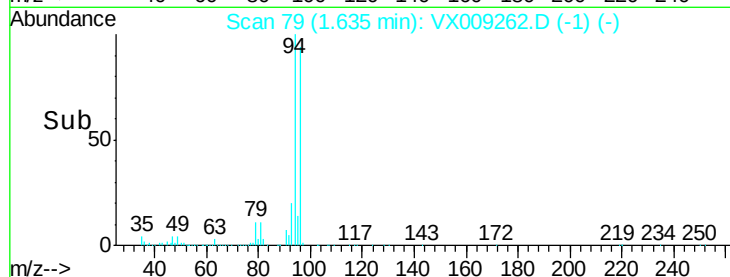
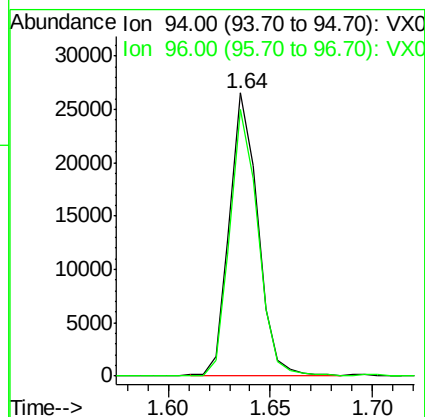
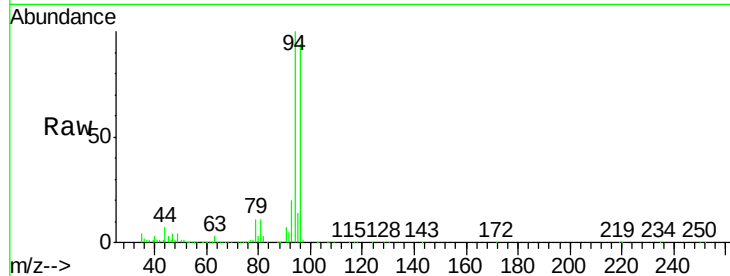
96 94.2 73.5 110.3

Manual Integrations

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#6

Chloroethane

Concen: 17.981 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX009262.D

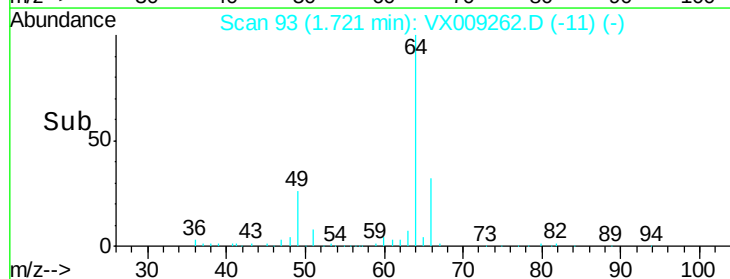
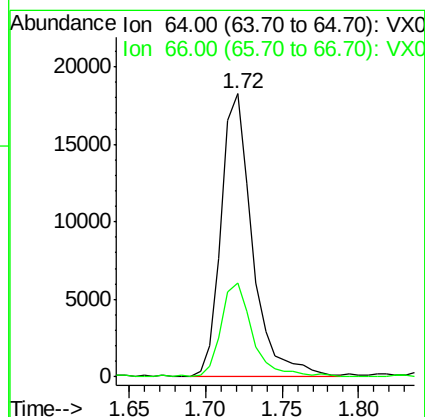
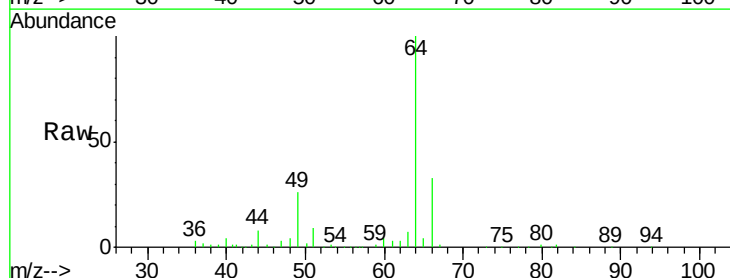
Acq: 01 May 2019 18:24

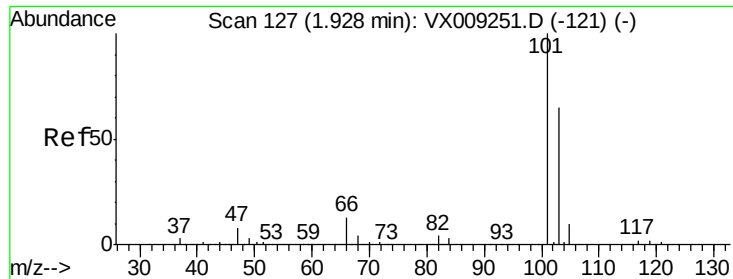
Tgt Ion: 64 Resp: 26082

Ion Ratio Lower Upper

64 100

66 32.7 25.9 38.9





#7

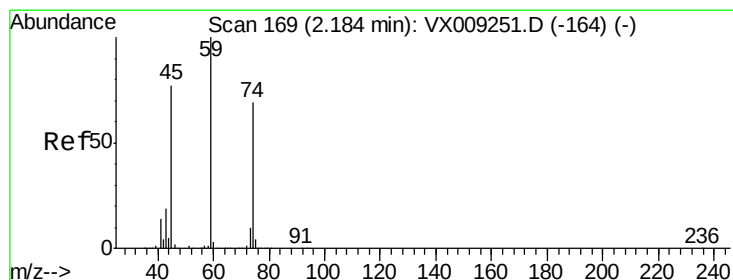
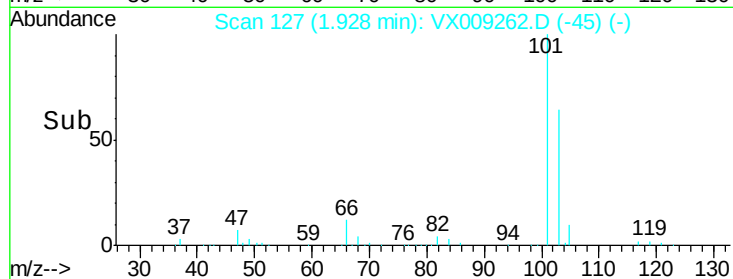
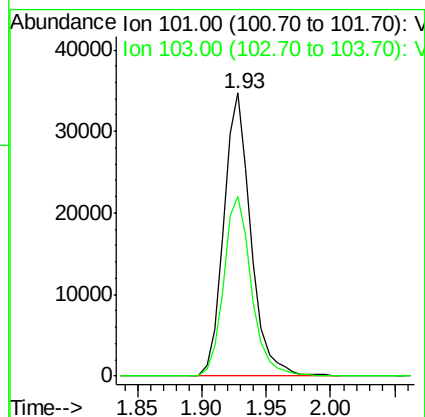
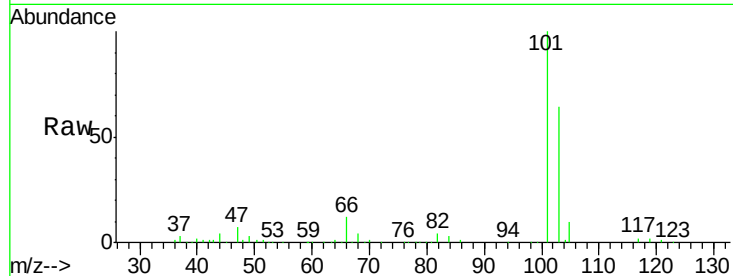
Trichlorofluoromethane
Concen: 18.767 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX009262.D
Acq: 01 May 2019 18:24

Instrument :
MSVOA_X
ClientSampleId :
VX0501WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	51.9	77.9

Manual Integrations
APPROVED

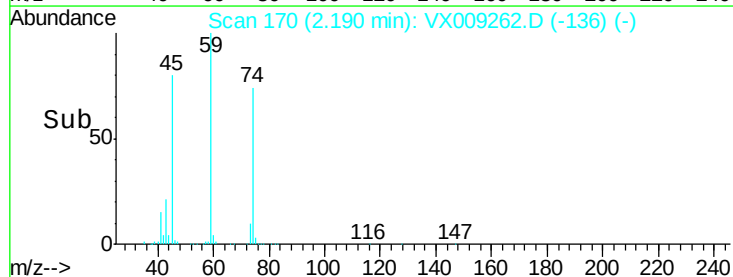
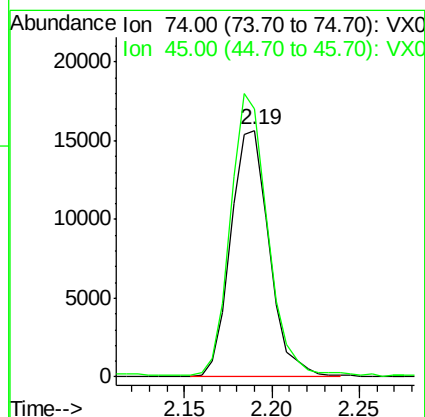
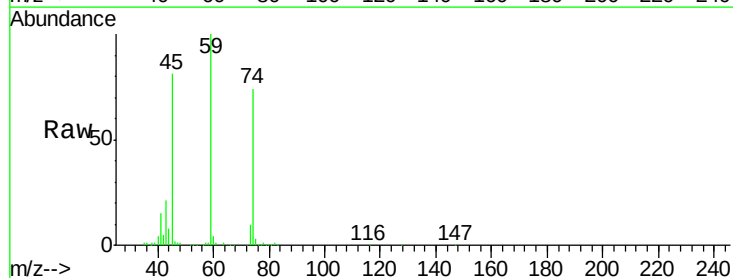
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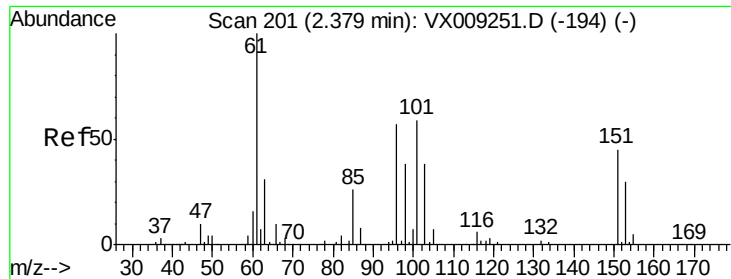


#8

Diethyl Ether
Concen: 18.902 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX009262.D
Acq: 01 May 2019 18:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.5	21.5	193.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.892 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

Instrument :

MSVOA_X

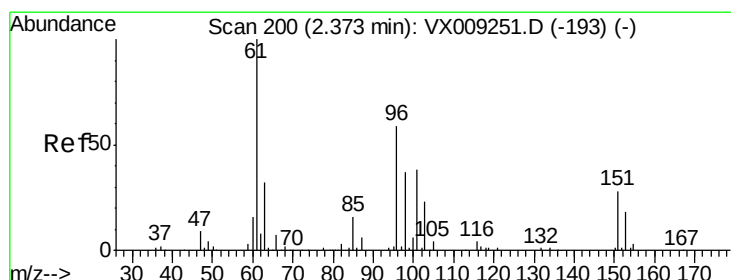
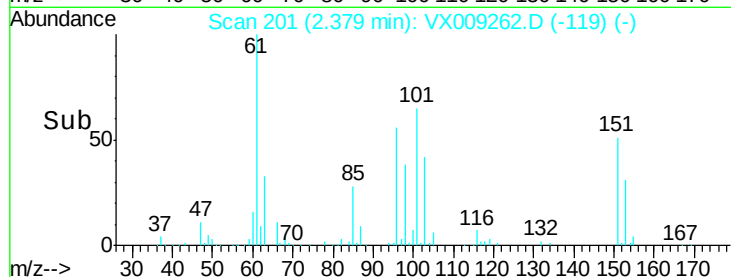
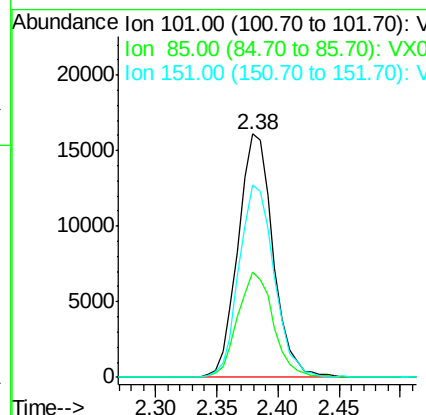
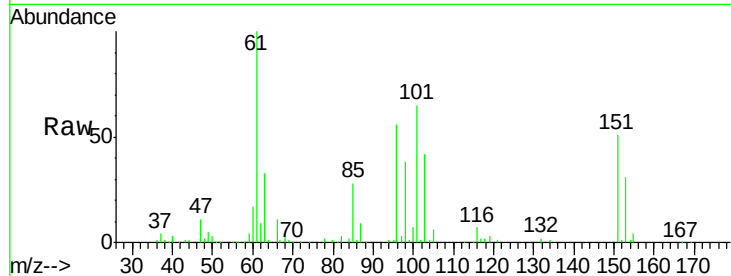
ClientSampleId :

VX0501WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	31946		
85	44.1	0.0	87.4	
151	79.5	0.0	157.0	

Manual Integrations
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MMDadoda
5/2/2019 10:53:51 AM



#10

1,1-Dichloroethene

Concen: 18.558 ug/l

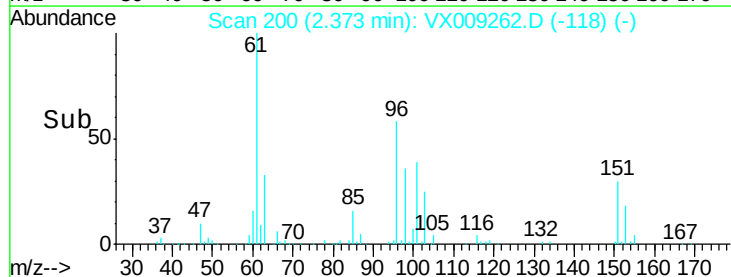
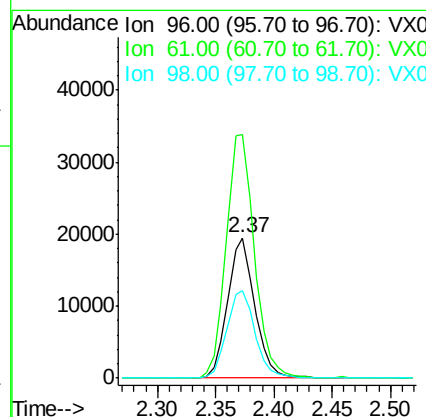
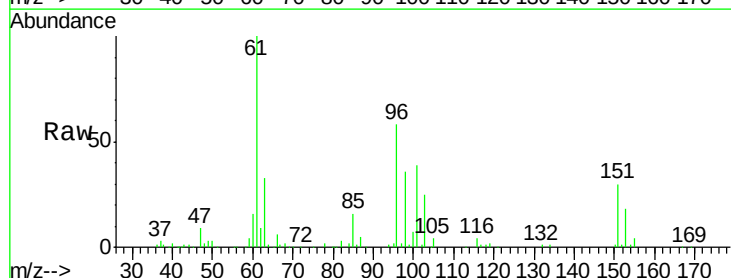
RT: 2.37 min Scan# 200

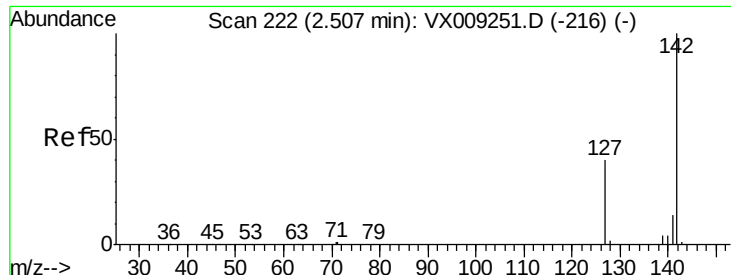
Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	31509		
61	173.7	136.5	204.7	
98	62.3	51.0	76.4	





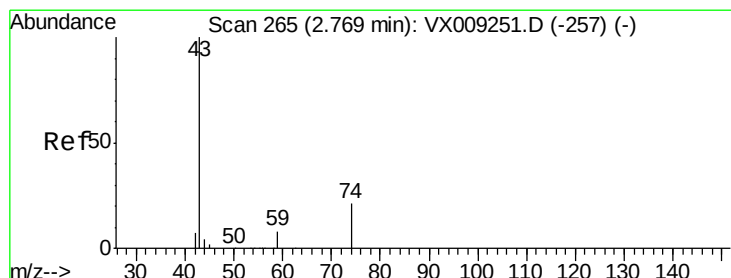
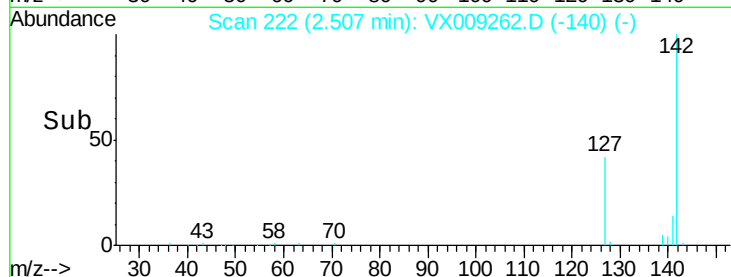
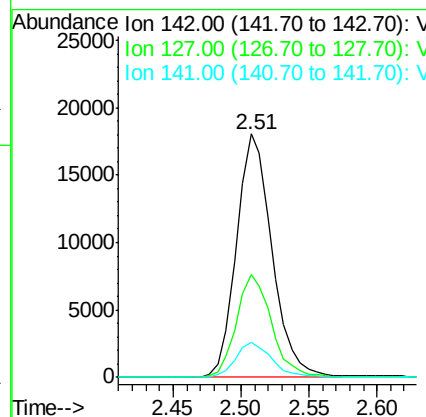
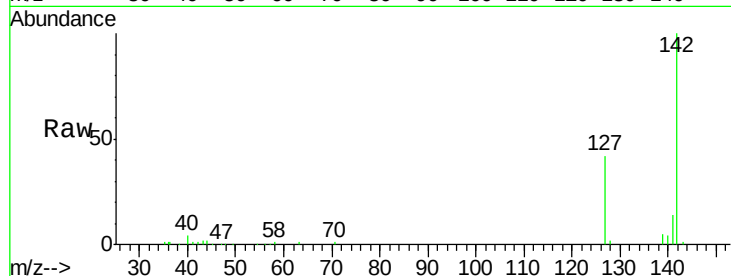
#11
Methvl Iodide
Concen: 17.836 ug/l
RT: 2.51 min Scan# 222
Delta R.T. -0.00 min
Lab File: VX009262.D
Acq: 01 May 2019 18:24

Instrument :
MSVOA_X
ClientSampleId :
VX0501WBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	42.4	20.2	60.5
141	14.5	6.9	20.7

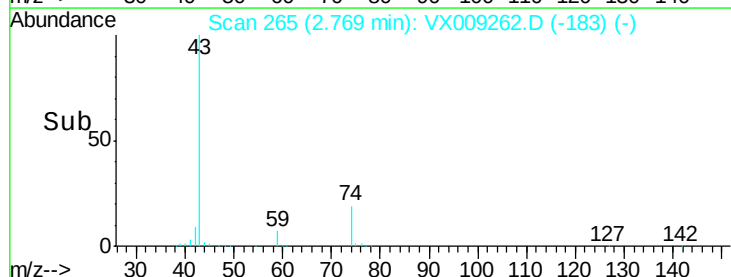
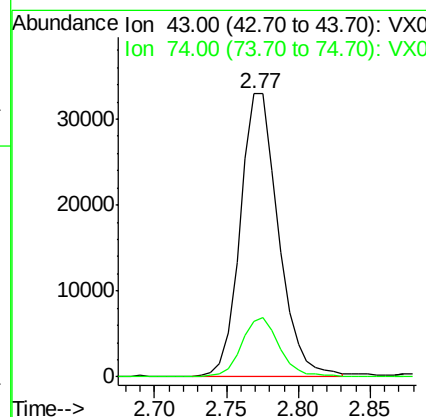
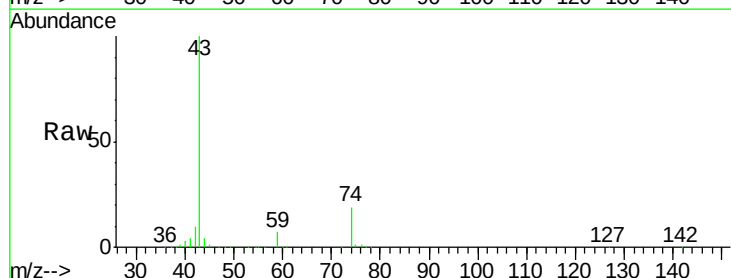
Manual Integrations
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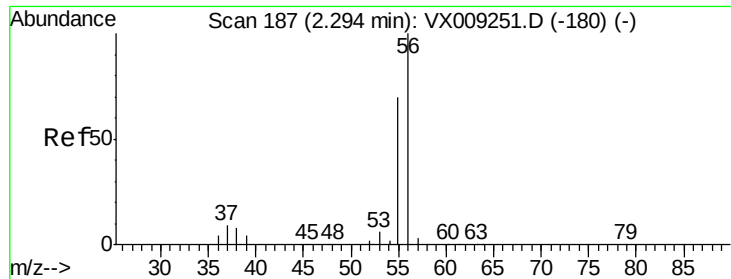
MMDadoda
5/2/2019 10:53:51 AM



#12
Methyl Acetate
Concen: 18.842 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.00 min
Lab File: VX009262.D
Acq: 01 May 2019 18:24

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.2	16.5	24.7





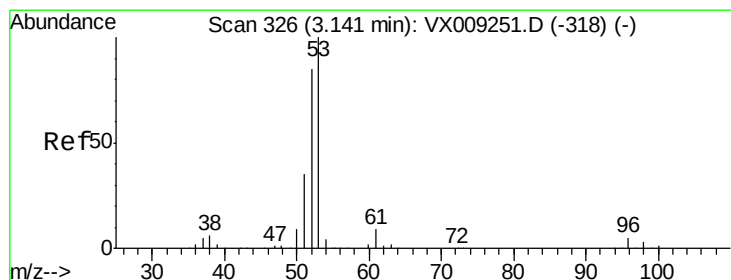
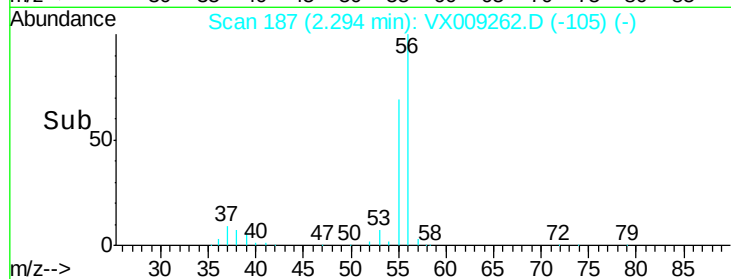
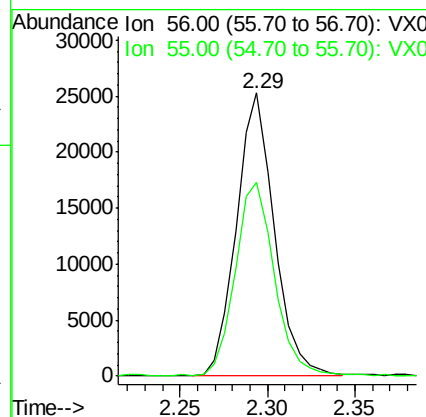
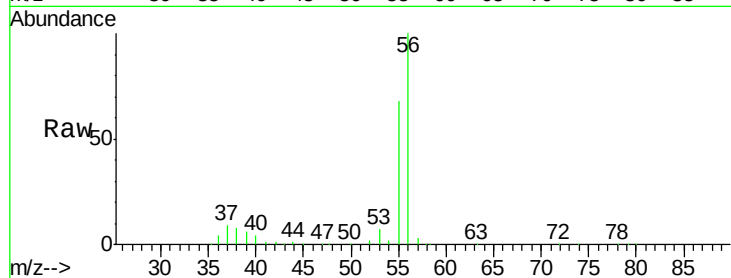
#13
 Acrolein
 Concen: 86.273 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. -0.00 min
 Lab File: VX009262.D
 Acq: 01 May 2019 18:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0501WBSD01

Tot Ion	56	55	Ratio	100	71.9	Resp	37842	Lower	56.9	Upper	85.3
Ion											

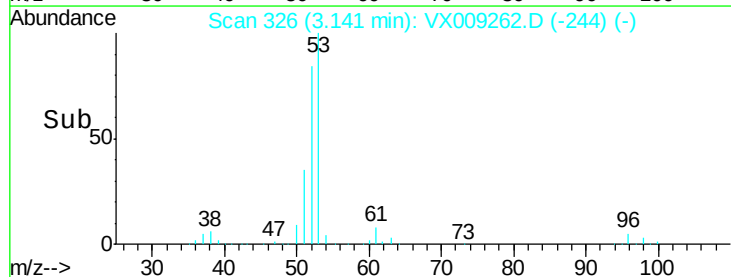
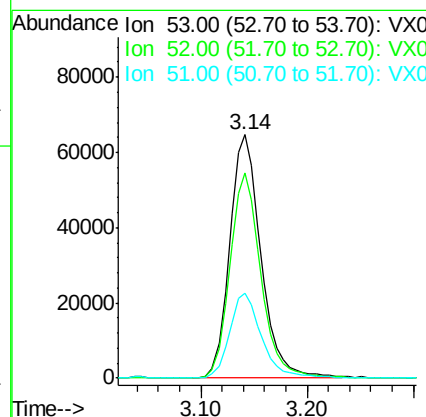
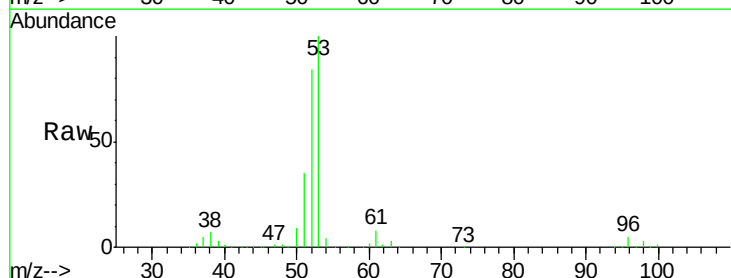
Manual Integrations
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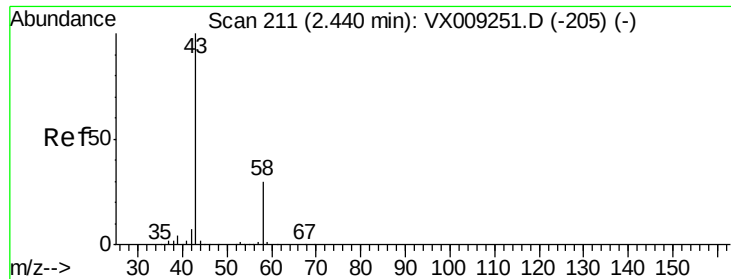
MMDadoda
 5/2/2019 10:53:51 AM



#14
 Acrylonitrile
 Concen: 95.368 ug/l
 RT: 3.14 min Scan# 326
 Delta R.T. -0.00 min
 Lab File: VX009262.D
 Acq: 01 May 2019 18:24

Tgt Ion	53	52	51	Ratio	100	83.9	36.0	Resp	132362	Lower	41.5	17.8	Upper	124.5	53.3
Ion															





#15

Acetone

Concen: 91.936 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

Instrument :

MSVOA_X

ClientSampled :

VX0501WBSD01

Tot Ion: 58 Resp: 36635

Ion Ratio Lower Upper

58 100

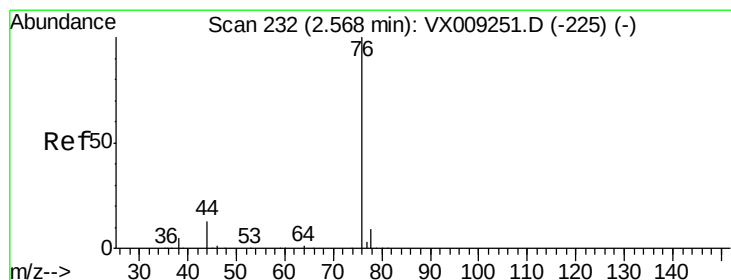
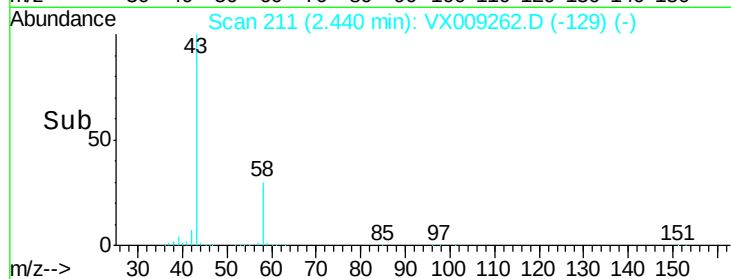
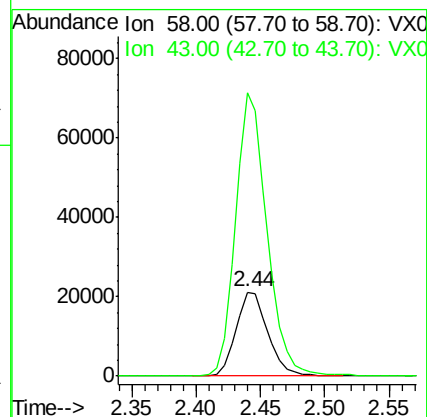
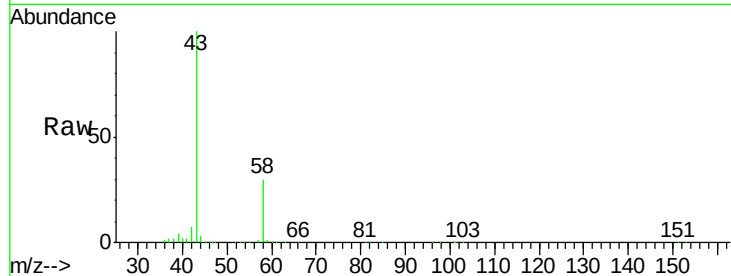
43 335.3 264.0 396.0

Manual Integrations

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#16

Carbon Disulfide

Concen: 18.376 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX009262.D

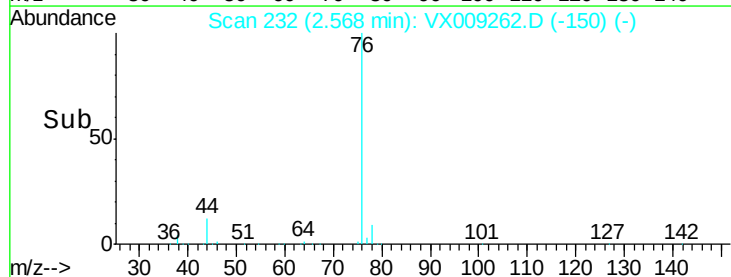
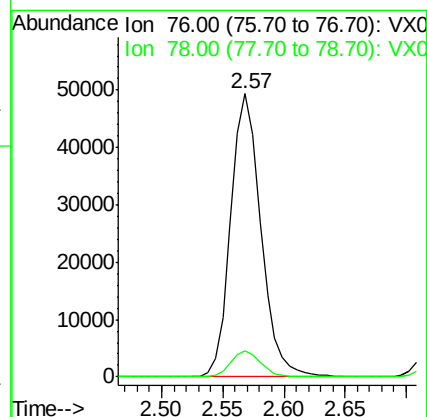
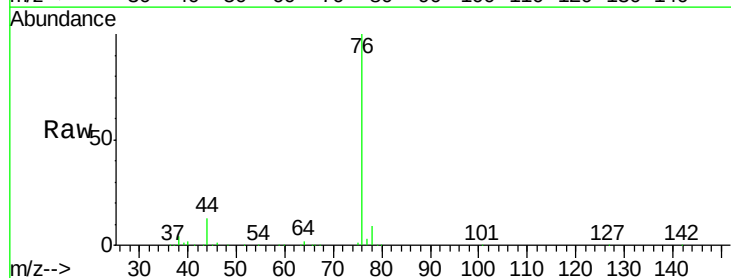
Acq: 01 May 2019 18:24

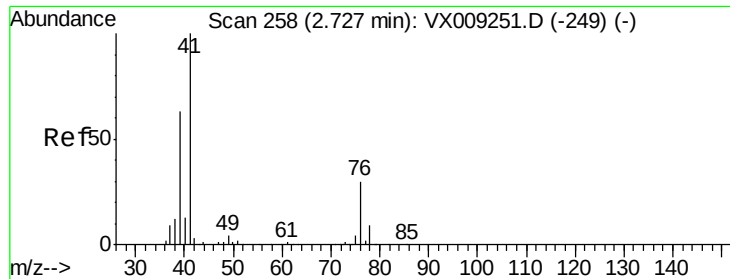
Tgt Ion: 76 Resp: 84420

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2





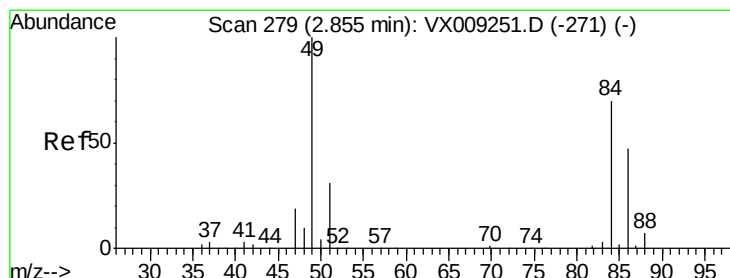
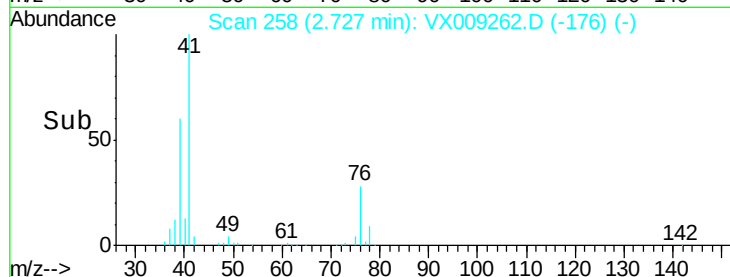
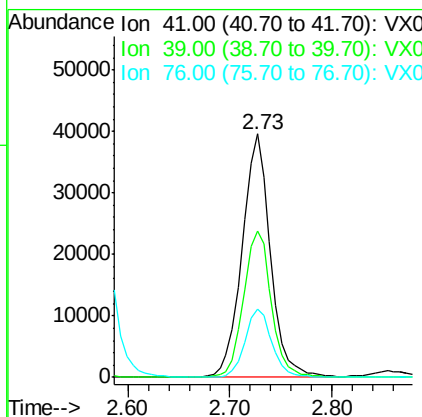
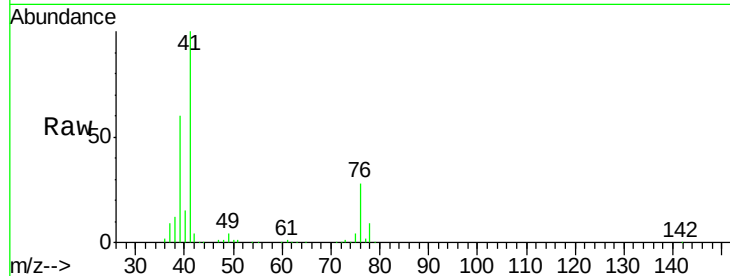
#17
Allvl chloride
Concen: 18.762 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX009262.D
Acq: 01 May 2019 18:24

Instrument :
MSVOA_X
ClientSampled :
VX0501WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	60.1	31.6	94.7
76	27.8	15.1	45.3

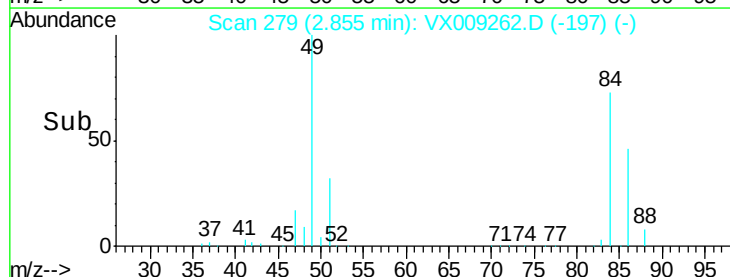
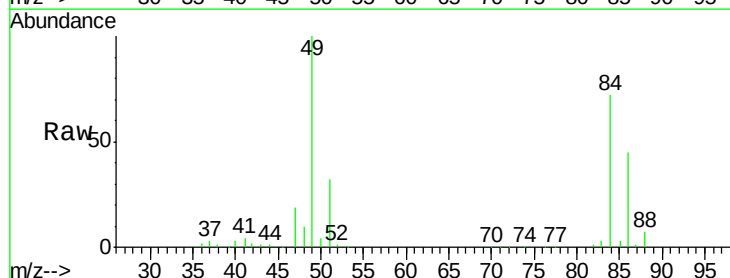
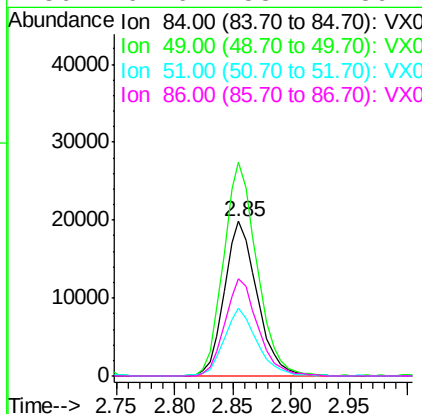
Manual Integrations
APPROVED

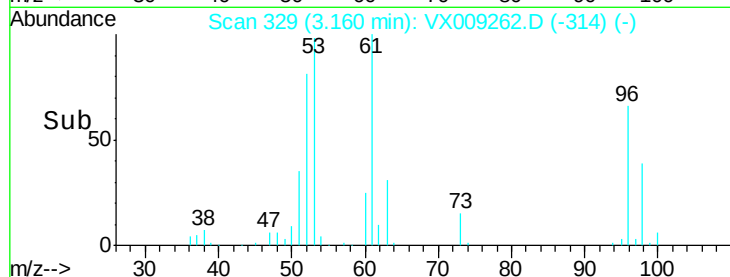
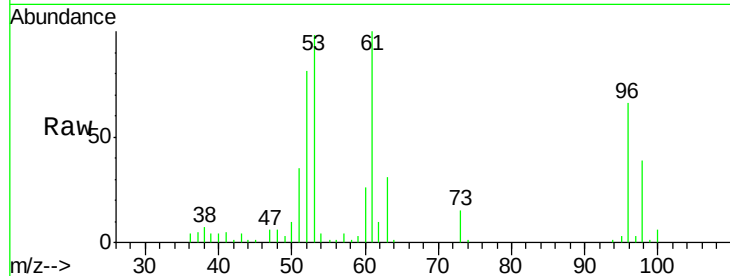
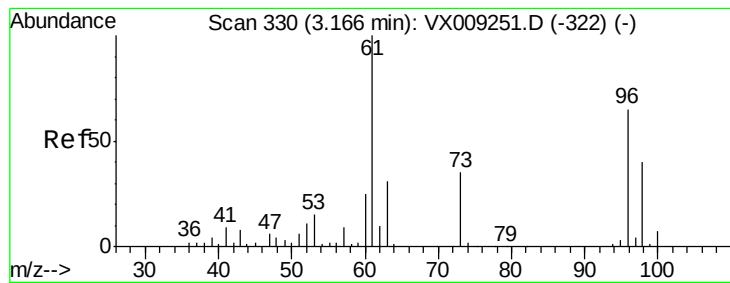
MMDadoda
5/2/2019 10:53:51 AM



#18
Methylene Chloride
Concen: 18.965 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009262.D
Acq: 01 May 2019 18:24

Tgt Ion	Ratio	Lower	Upper
84	100		
49	137.6	114.6	171.8
51	44.1	35.5	53.3
86	62.6	53.4	80.2





#19

trans-1,2-Dichloroethene

Concen: 18.858 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

Tot Ion:	96	Resp:	34139
Ion	Ratio	Lower	Upper
96	100		
61	151.0	122.7	184.1
98	59.5	49.5	74.3

Instrument :

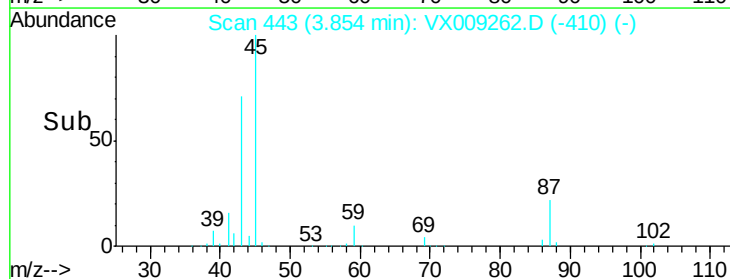
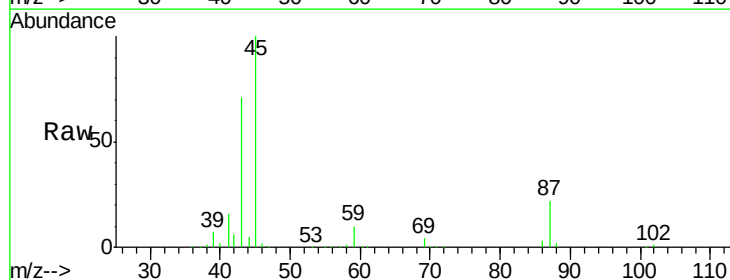
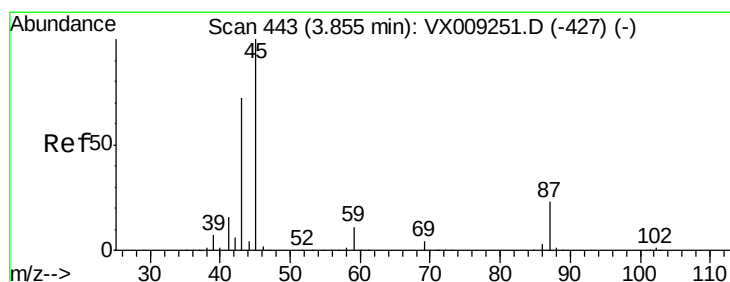
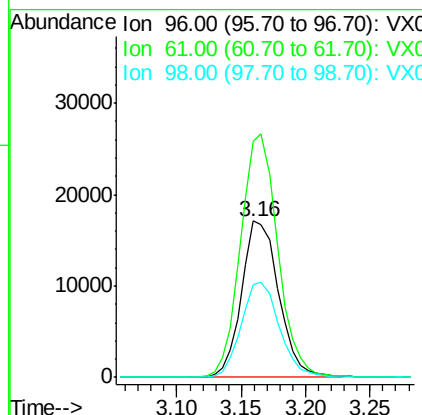
MSVOA_X

ClientSampled :

VX0501WBSD01

Manual Integrations
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5/2/2019 10:53:51 AM



#20

Diisopropyl ether

Concen: 18.902 ug/l

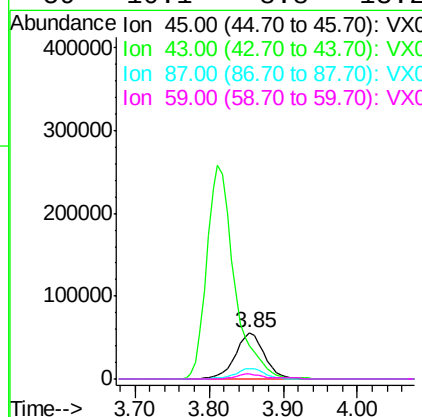
RT: 3.85 min Scan# 443

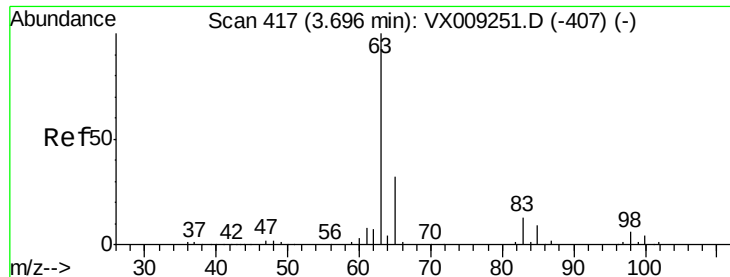
Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

Tgt Ion:	45	Resp:	151731
Ion	Ratio	Lower	Upper
45	100		
43	70.6	57.7	86.5
87	22.3	18.5	27.7
59	10.1	8.8	13.2





#21

1,1-Dichloroethane

Concen: 18.821 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

Instrument :

MSVOA_X

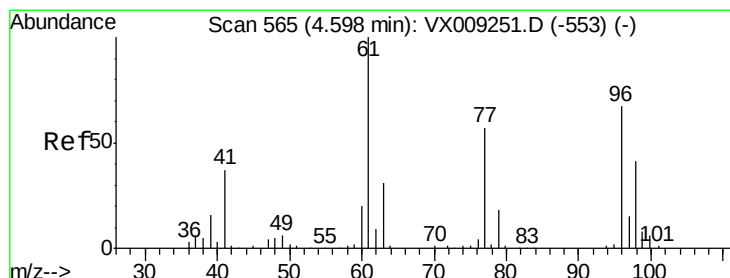
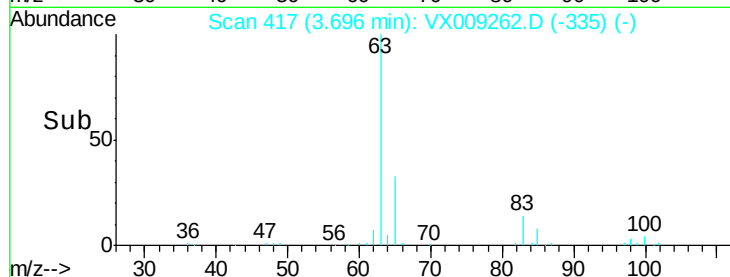
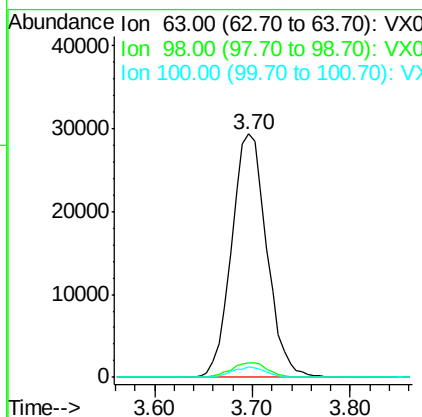
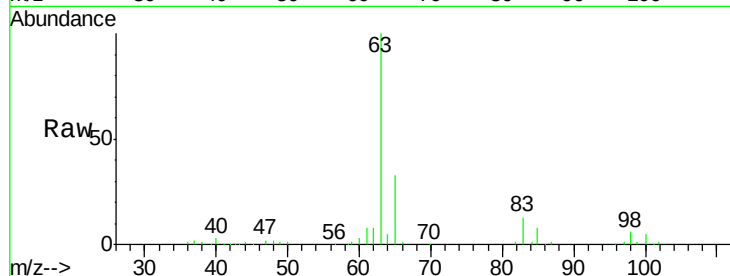
ClientSampleId :

VX0501WBSD01

Tot Ion:	63	Resp:	73115
Ion Ratio	Lower	Upper	
63	100		
98	5.9	3.1	9.3
100	4.6	2.2	6.6

Manual Integrations
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5/2/2019 10:53:51 AM



#22

cis-1,2-Dichloroethene

Concen: 18.905 ug/l

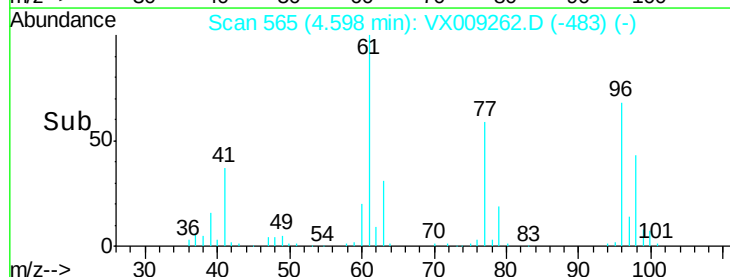
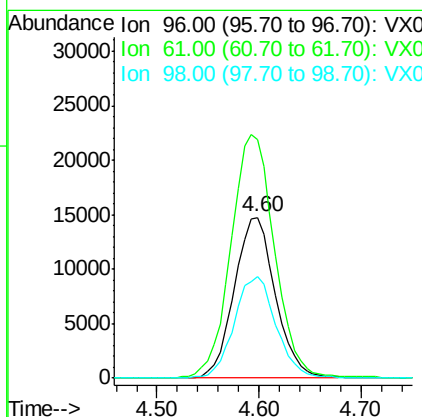
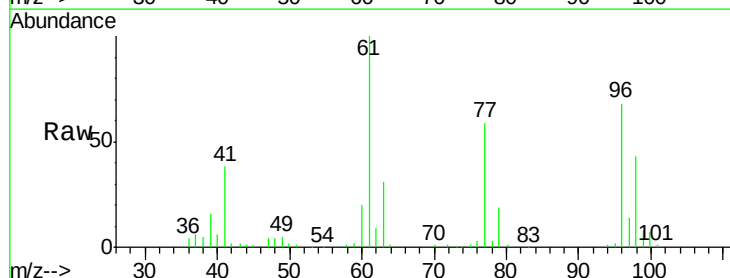
RT: 4.60 min Scan# 565

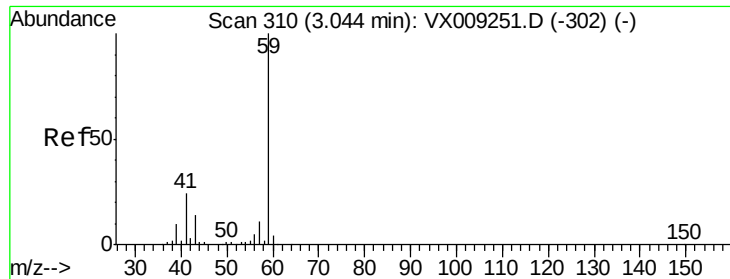
Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

Tgt Ion:	96	Resp:	41224
Ion Ratio	Lower	Upper	
96	100		
61	160.2	127.7	191.5
98	64.3	50.5	75.7





#23

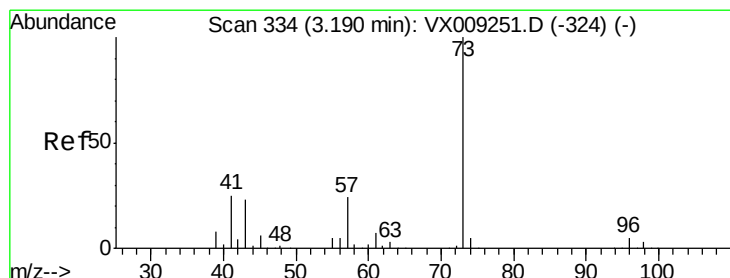
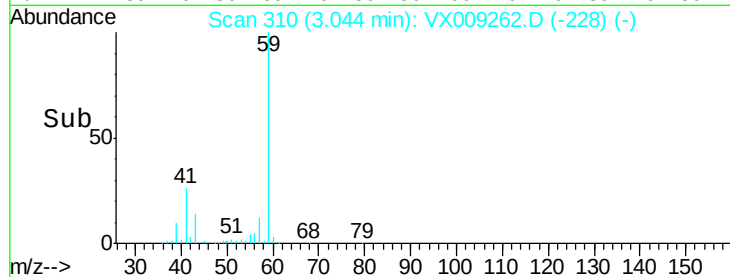
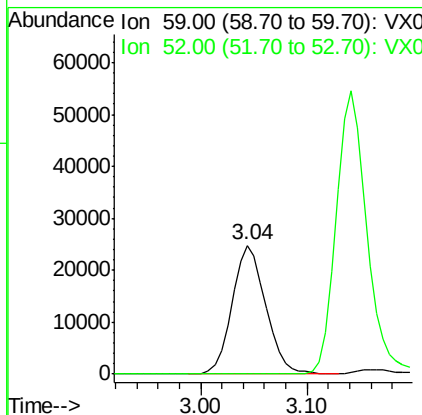
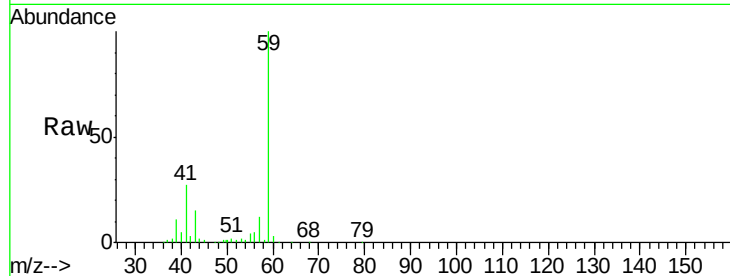
tert-Butyl Alcohol
Concen: 93.896 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.00 min
Lab File: VX009262.D
Acq: 01 May 2019 18:24

Instrument :
MSVOA_X
ClientSampleId :
VX0501WBSD01

Tot Ion: 59 Resp: 55104
Ion Ratio Lower Upper
59 100
52 0.4 0.2 0.2#

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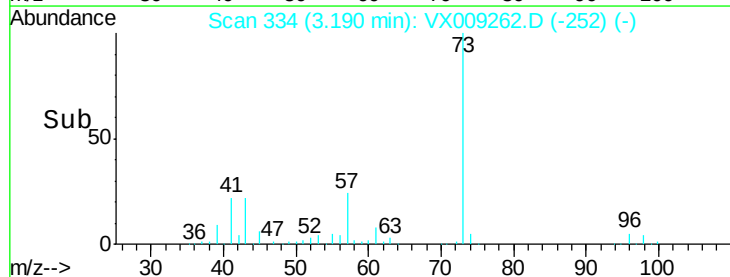
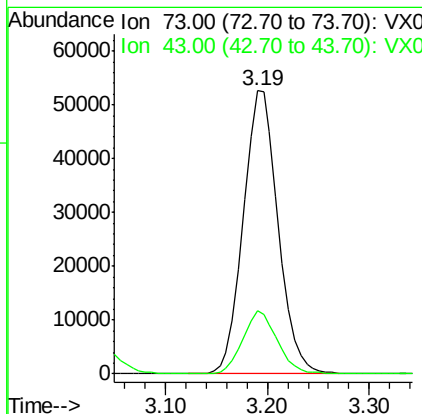
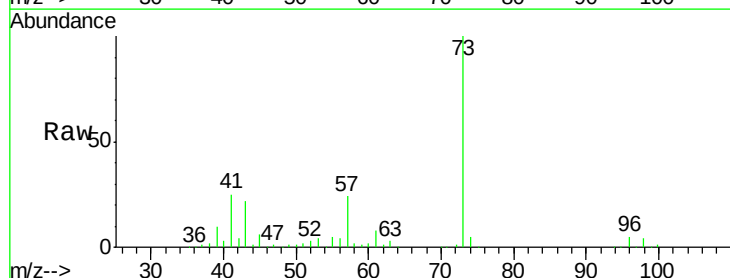
MMDadoda
5/2/2019 10:53:51 AM

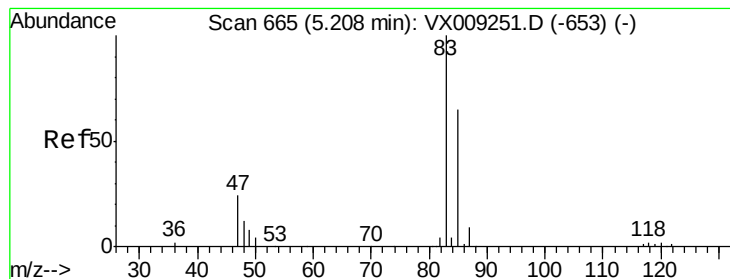


#24

Methyl tert-Butyl Ether
Concen: 18.790 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.00 min
Lab File: VX009262.D
Acq: 01 May 2019 18:24

Tgt Ion: 73 Resp: 124855
Ion Ratio Lower Upper
73 100
43 21.9 17.6 26.4





#25

Chloroform

Concen: 18.766 ug/l

RT: 5.21 min Scan# 665

Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

Instrument :

MSVOA_X

ClientSampled :

VX0501WBSD01

Tot Ion: 83 Resp: 66527

Ion Ratio Lower Upper

83 100

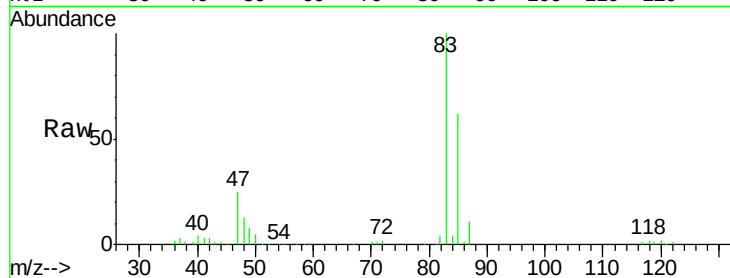
85 62.0 51.9 77.9

Manual Integrations

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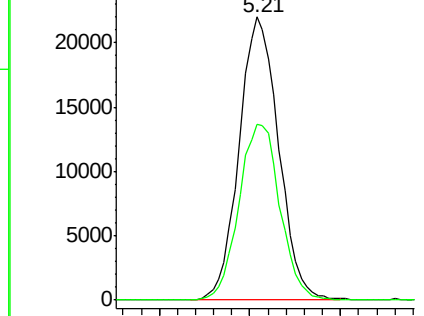
MMDadoda

5/2/2019 10:53:51 AM

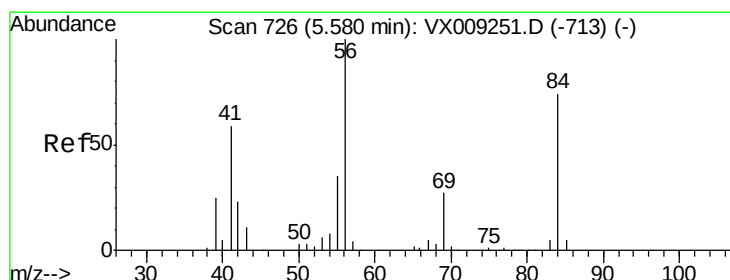
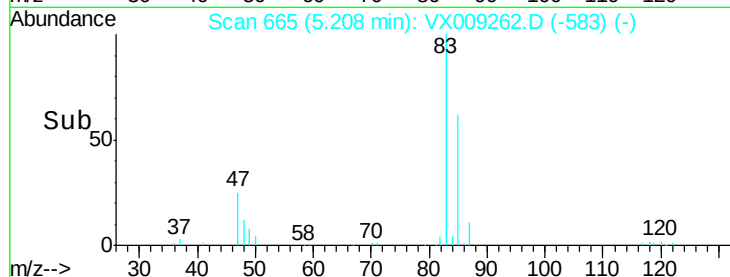


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



Time-->



#26

Cyclohexane

Concen: 18.811 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

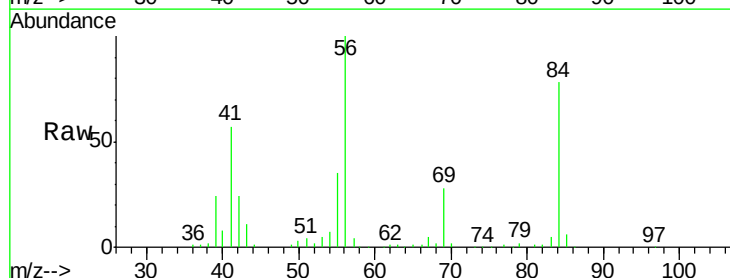
Tgt Ion: 56 Resp: 68107

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

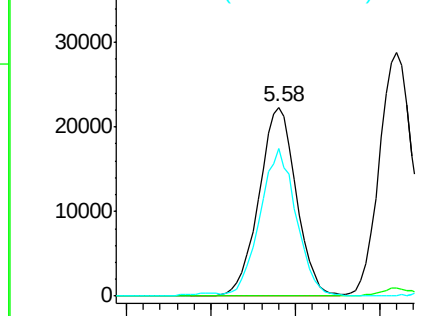
84 76.2 59.7 89.5



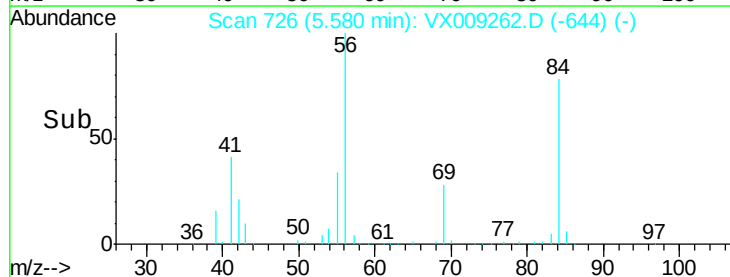
Abundance Ion 56.00 (55.70 to 56.70): VX0

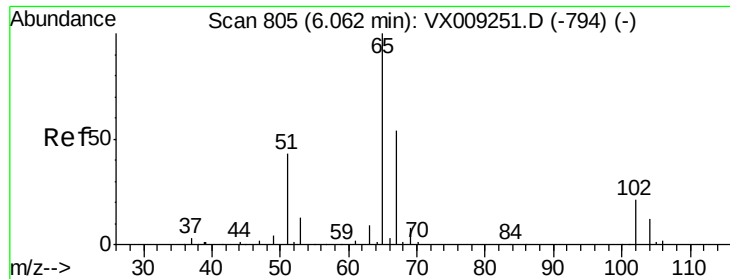
Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



Time-->





#27

1,2-Dichloroethane-d4

Concen: 29.314 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBSD01

Tot Ion: 65 Resp: 75486

Ion Ratio Lower Upper

65 100

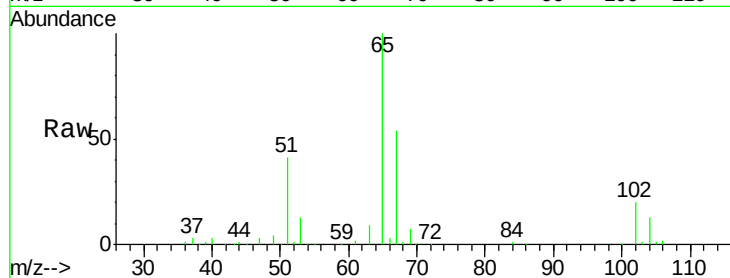
67 54.2 43.1 64.7

Manual Integrations

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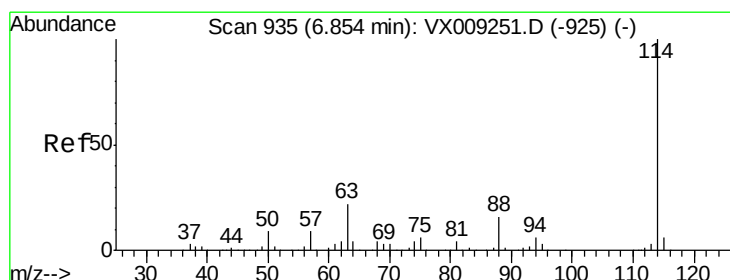
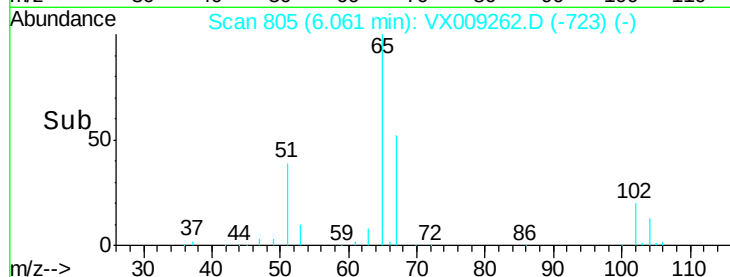
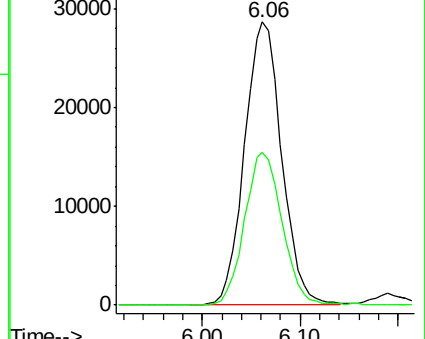
MMDadoda

5/2/2019 10:53:51 AM



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.01 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

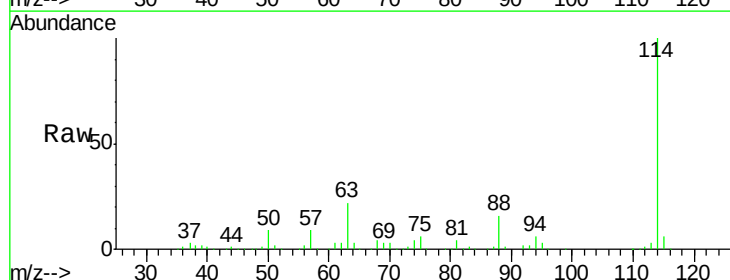
Tgt Ion: 114 Resp: 177434

Ion Ratio Lower Upper

114 100

63 22.9 18.0 27.0

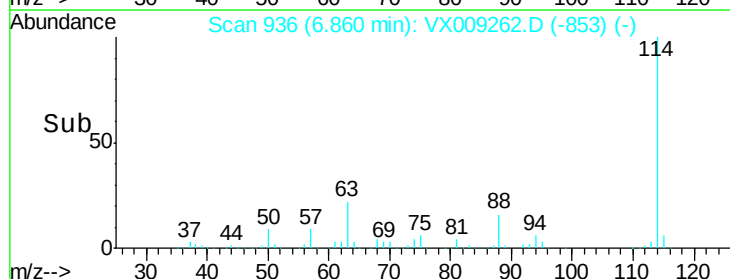
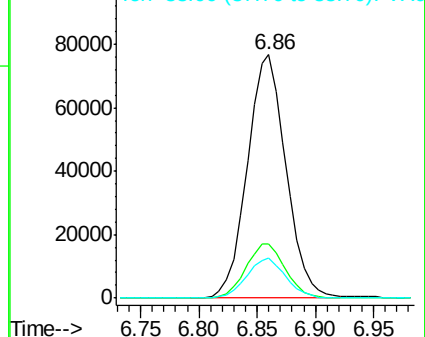
88 16.6 13.4 20.0

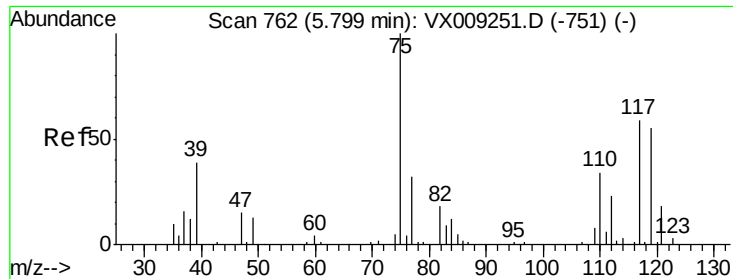


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





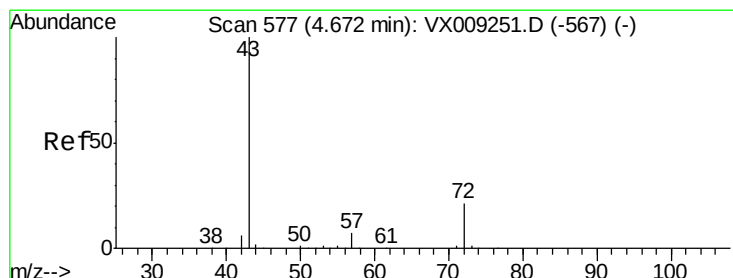
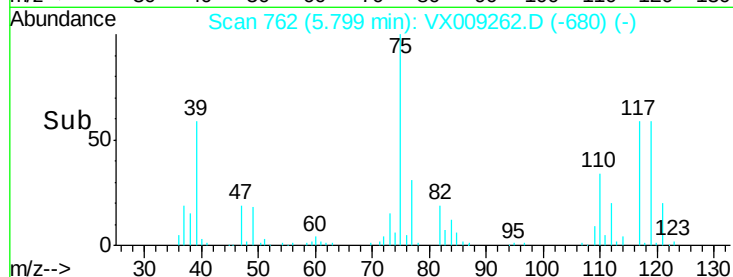
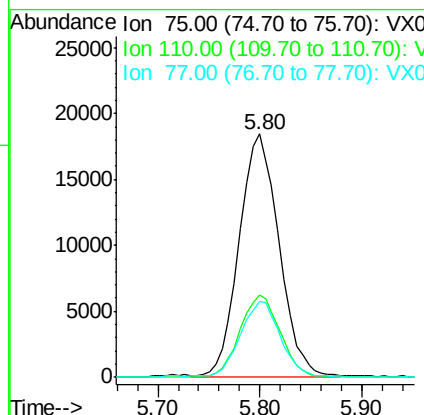
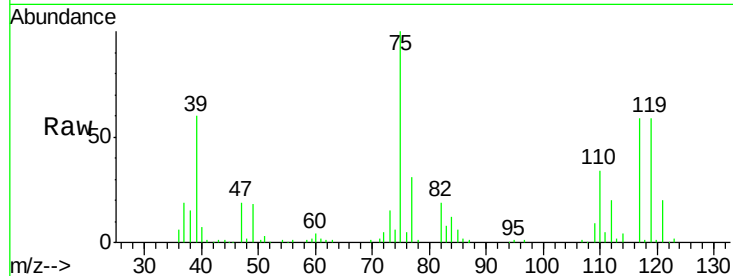
#29
 1,1-Dichloropropene
 Concen: 19.365 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX009262.D
 Acq: 01 May 2019 18:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0501WBSD01

Tot Ion:	75	Resp:	50417
Ion Ratio	Lower	Upper	
75	100		
110	33.8	0.0	66.4
77	31.7	0.0	62.2

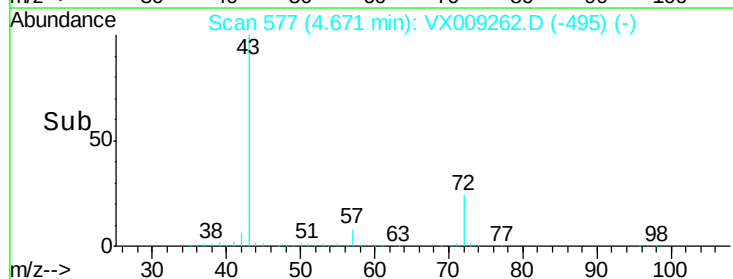
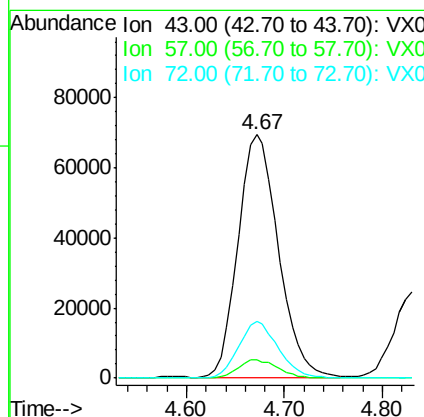
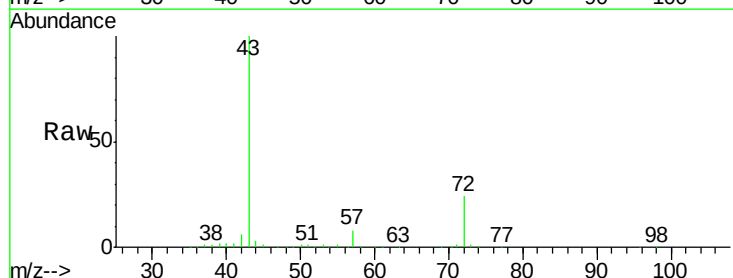
Manual Integrations
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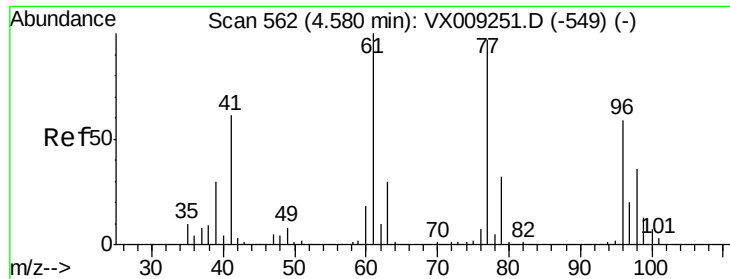
MMDadoda
 5/2/2019 10:53:51 AM



#30
 2-Butanone
 Concen: 97.132 ug/l
 RT: 4.67 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VX009262.D
 Acq: 01 May 2019 18:24

Tgt Ion:	43	Resp:	198047
Ion Ratio	Lower	Upper	
43	100		
57	7.6	6.0	9.0
72	23.1	18.2	27.4





#31

2,2-Dichloropropane

Concen: 18.889 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBSD01

Tot Ion: 77 Resp: 54217

Ion Ratio Lower Upper

77 100

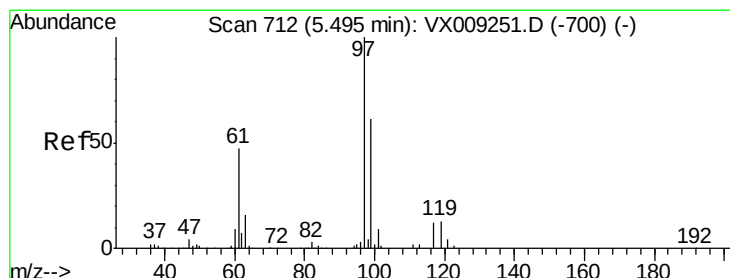
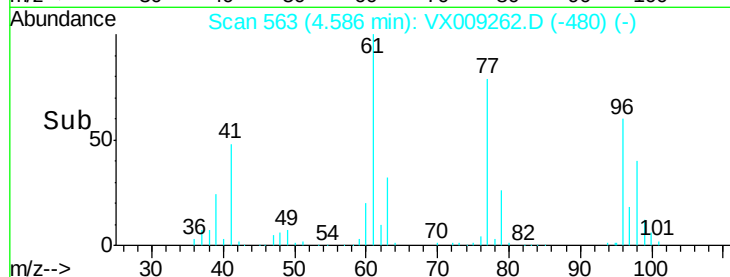
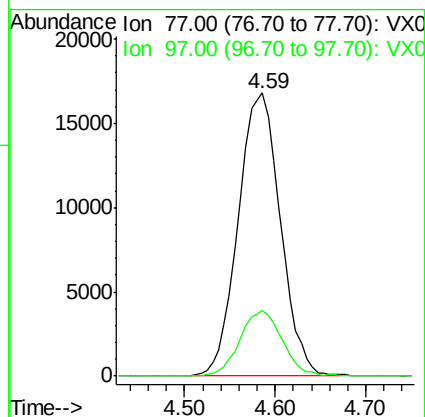
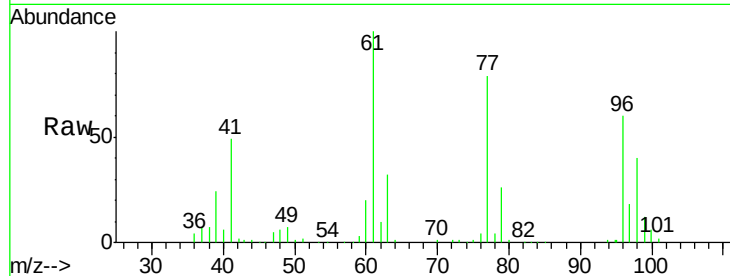
97 23.1 18.3 27.5

Manual Integrations

APPROVED

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#32

1,1,1-Trichloroethane

Concen: 19.089 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

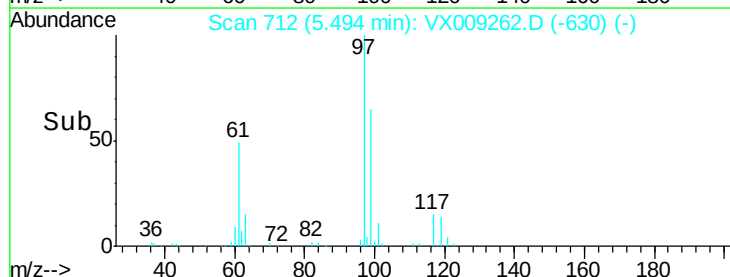
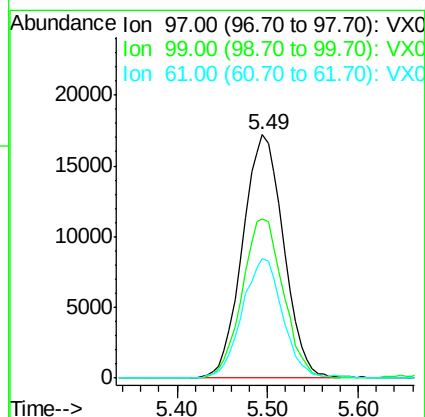
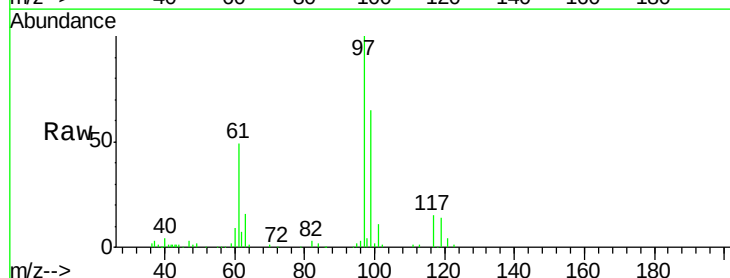
Tgt Ion: 97 Resp: 53878

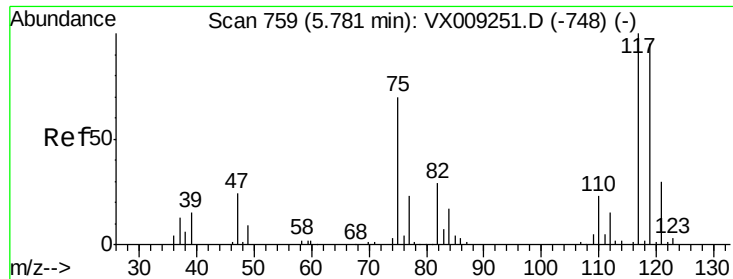
Ion Ratio Lower Upper

97 100

99 65.4 53.9 80.9

61 48.3 38.6 58.0





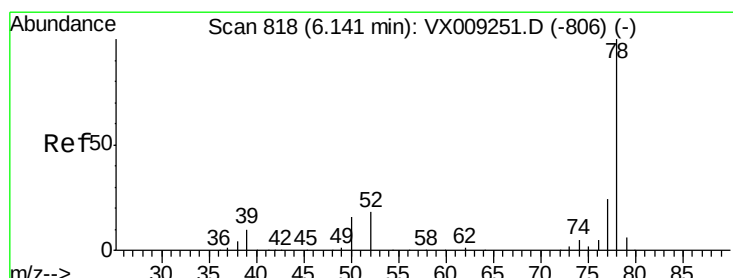
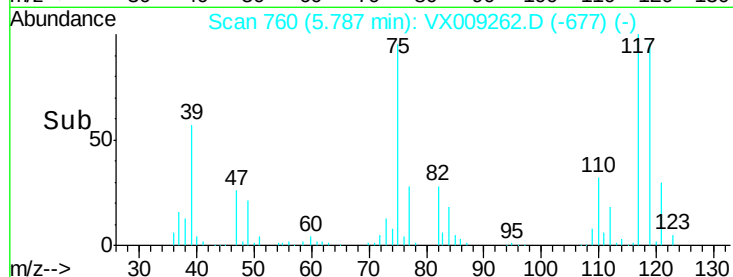
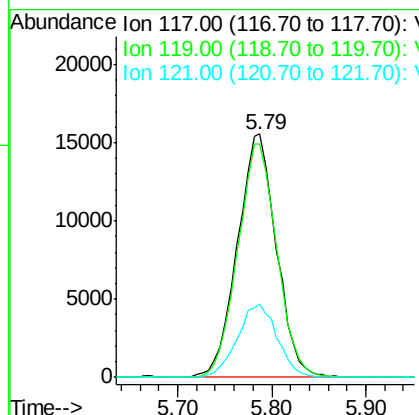
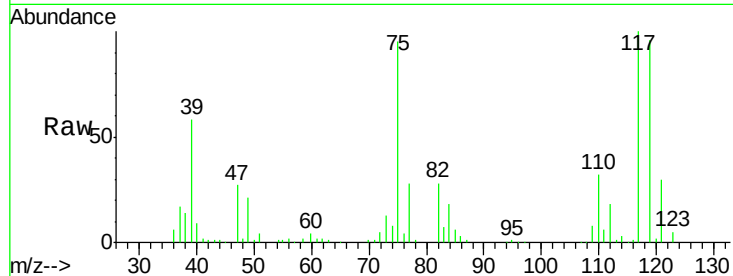
#33
Carbon Tetrachloride
Concen: 18.991 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX009262.D
Acq: 01 May 2019 18:24

Instrument :
MSVOA_X
ClientSampleId :
VX0501WBSD01

Tot Ion:117 Resp: 44848
Ion Ratio Lower Upper
117 100
119 95.8 76.1 114.1
121 30.4 24.4 36.6

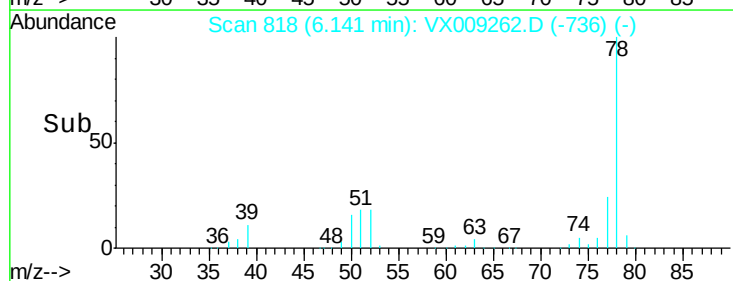
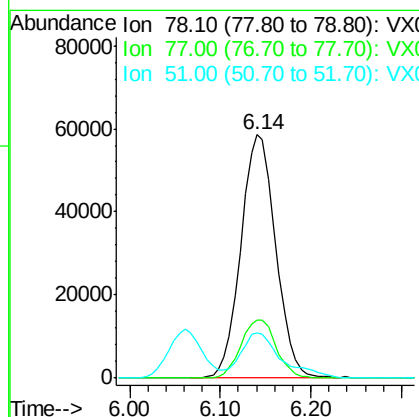
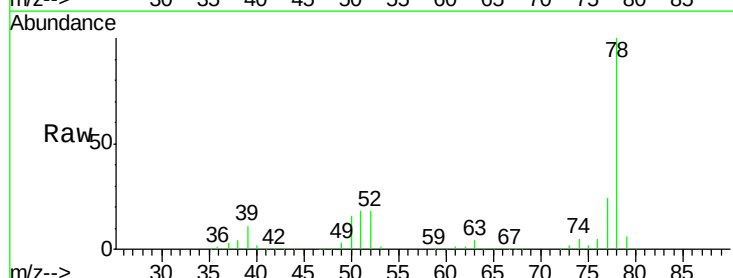
Manual Integrations
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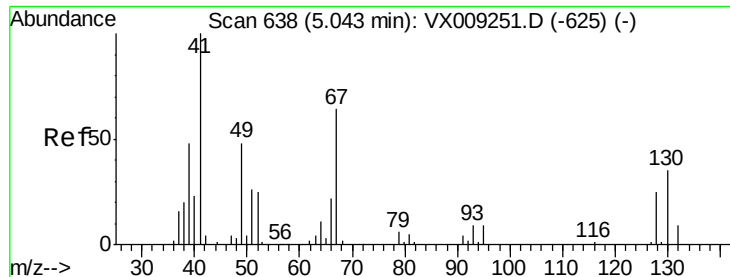
MMDadoda
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#34
Benzene
Concen: 19.389 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009262.D
Acq: 01 May 2019 18:24

Tgt Ion: 78 Resp: 155627
Ion Ratio Lower Upper
78 100
77 23.8 18.8 28.2
51 17.9 13.5 20.3





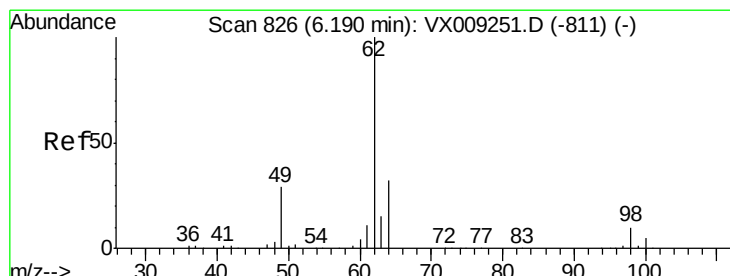
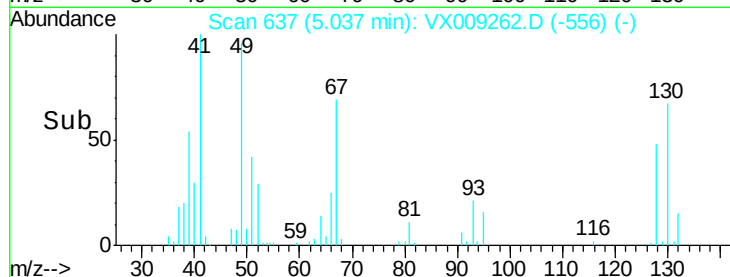
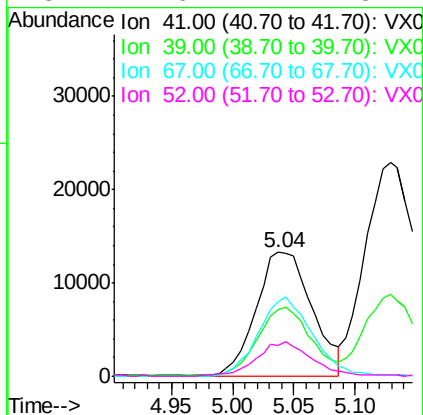
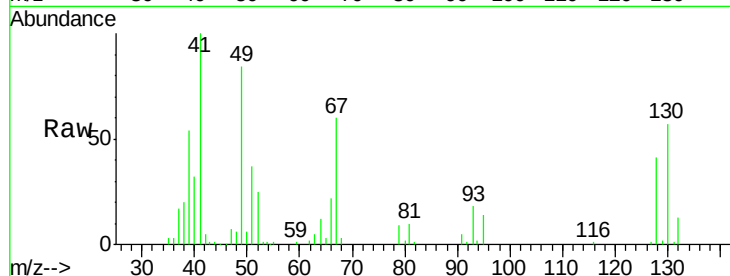
#35
Methacrylonitrile
Concen: 19.924 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX009262.D
Acq: 01 May 2019 18:24

Instrument :
MSVOA_X
ClientSampled :
VX0501WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.7	24.1	72.3	
67	59.9	32.2	96.6	
52	24.6	12.4	37.4	

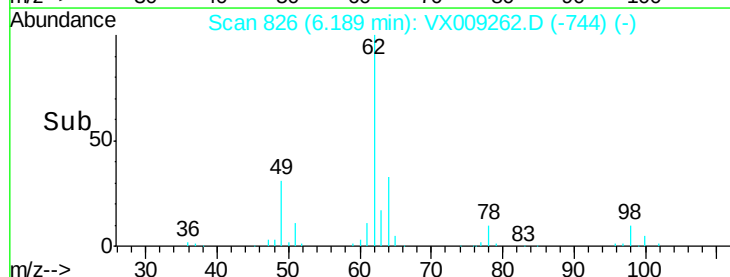
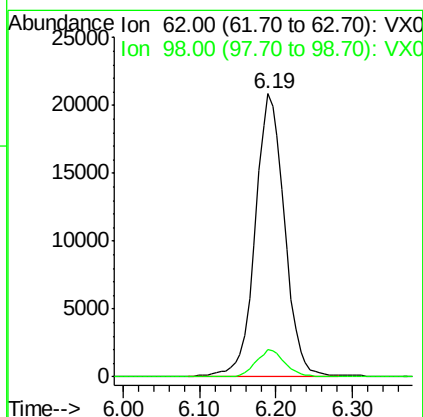
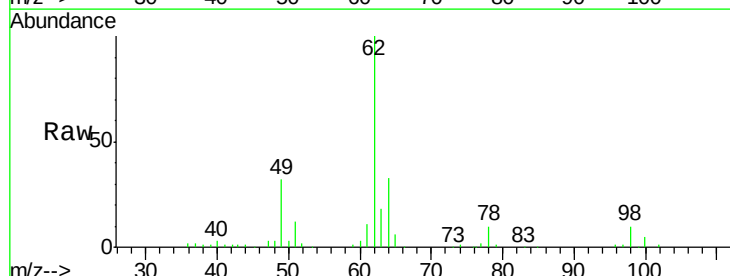
Manual Integrations
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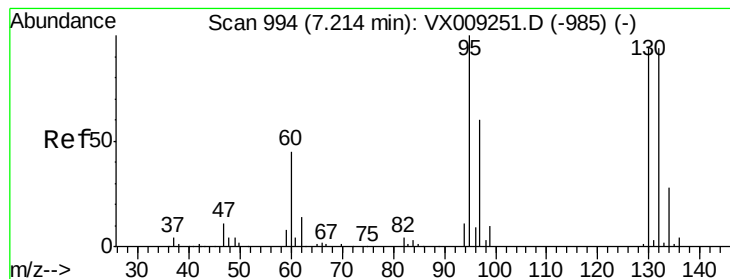
MMDadoda
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#36
1,2-Dichloroethane
Concen: 19.238 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX009262.D
Acq: 01 May 2019 18:24

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.4	7.4	11.2	





#37

Trichloroethene

Concen: 18.751 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

Tot Ion:130 Resp: 36231

Ion Ratio Lower Upper

130 100

95 101.7 85.0 127.4

Instrument :

MSVOA_X

ClientSampleId :

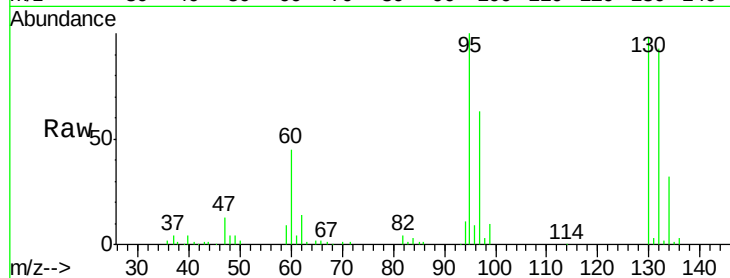
VX0501WBSD01

Manual Integrations

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MMDadoda

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

20000

15000

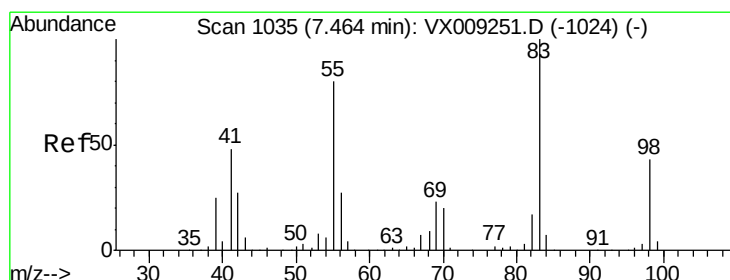
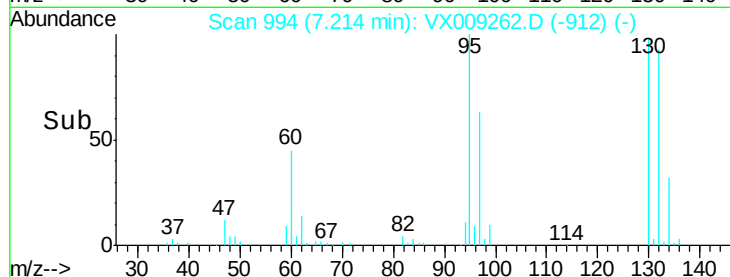
10000

5000

0

7.15 7.20 7.25

Time-->



#38

Methylcyclohexane

Concen: 19.278 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

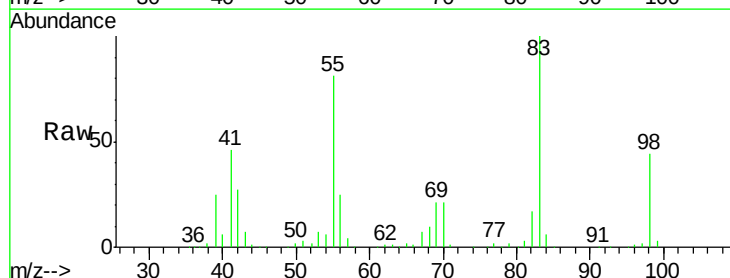
Tgt Ion: 83 Resp: 62009

Ion Ratio Lower Upper

83 100

55 84.0 43.0 129.2

98 44.1 22.1 66.1



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

7.46

40000

30000

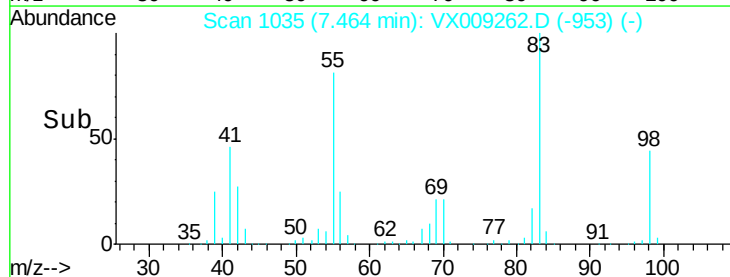
20000

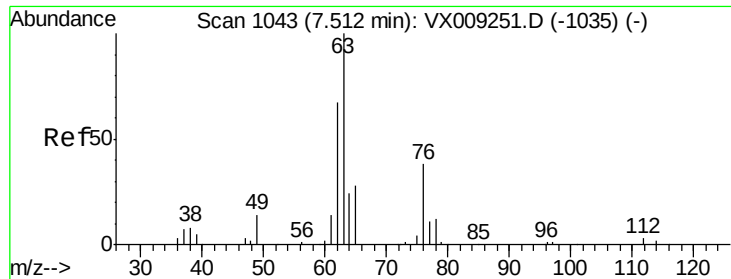
10000

0

7.35 7.40 7.45 7.50 7.55

Time-->





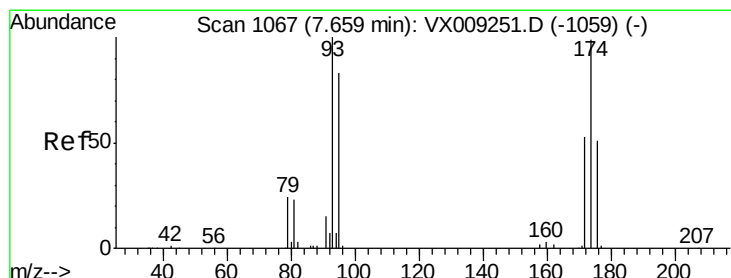
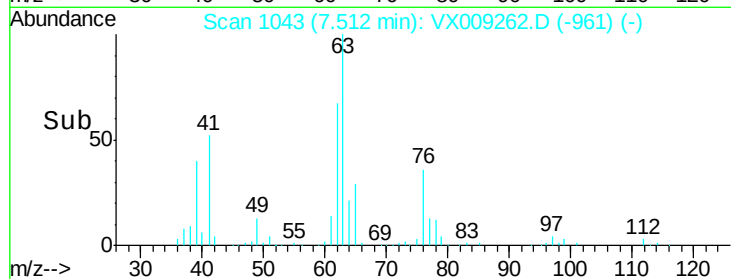
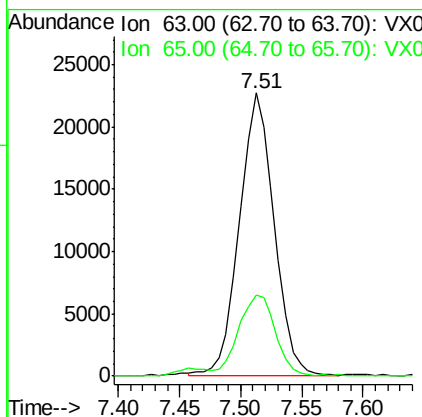
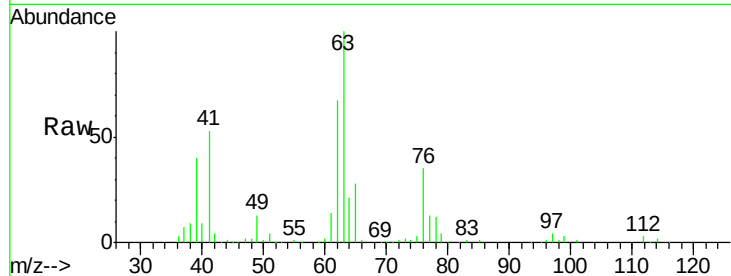
#39
 1,2-Dichloropropane
 Concen: 19.644 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX009262.D
 Acq: 01 May 2019 18:24

Instrument :
 MSVOA_X
 ClientSampled :
 VX0501WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	28.1	24.0	36.0

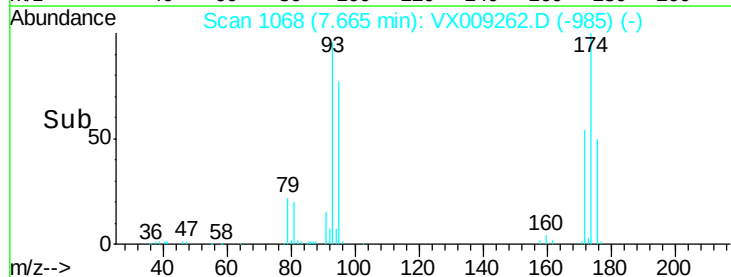
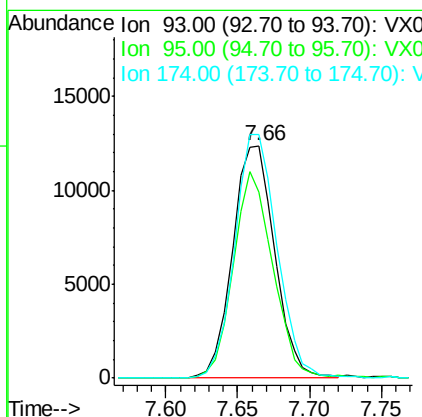
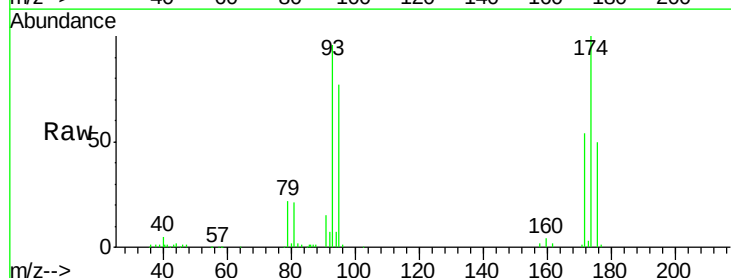
Manual Integrations
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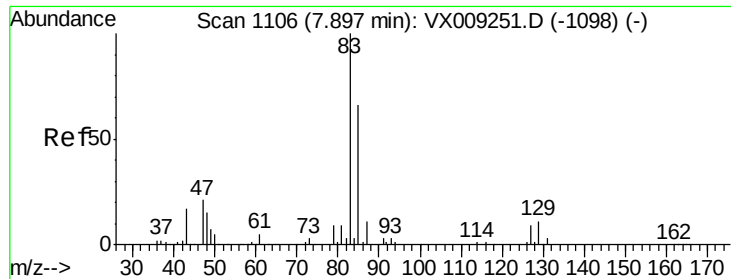
MMDadoda
 5/2/2019 10:53:51 AM



#40
 Dibromomethane
 Concen: 19.410 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.01 min
 Lab File: VX009262.D
 Acq: 01 May 2019 18:24

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.1	0.0	167.2
174	105.5	0.0	203.4





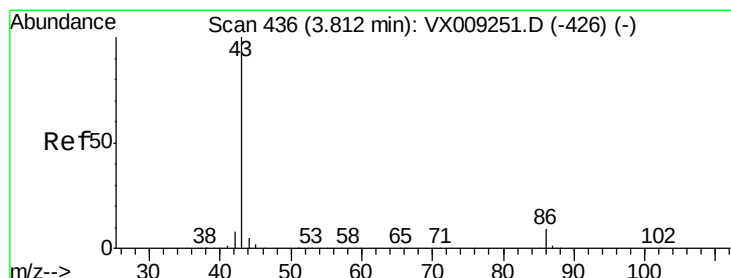
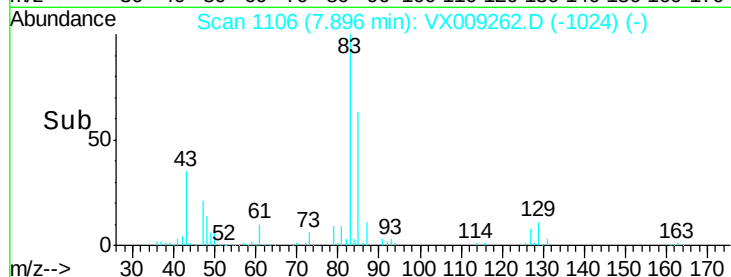
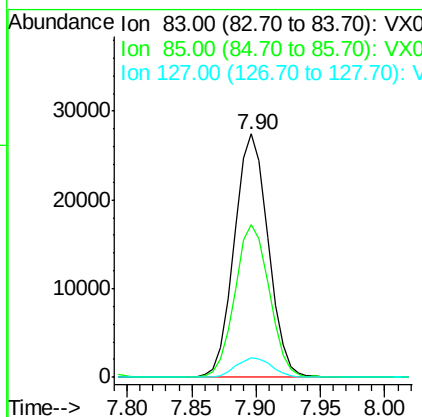
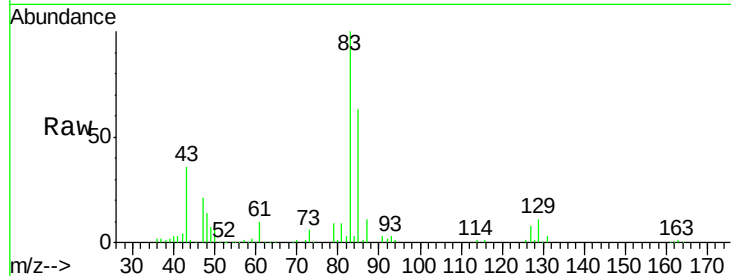
#41
Bromodichloromethane
Concen: 18.958 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX009262.D
Acq: 01 May 2019 18:24

Instrument :
MSVOA_X
ClientSampled :
VX0501WBSD01

Tot Ion	83	Resp	50238
Ion Ratio	100	Lower	Upper
83	100		
85	62.6	52.6	79.0
127	8.2	6.9	10.3

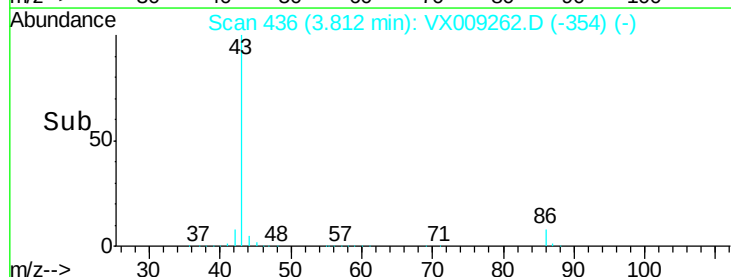
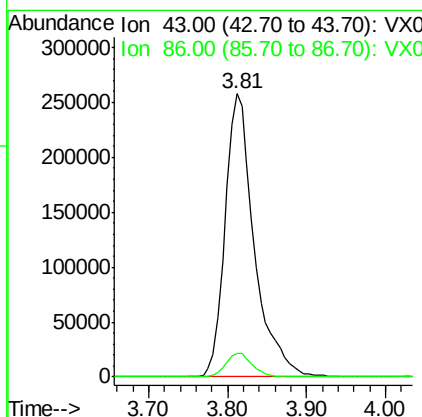
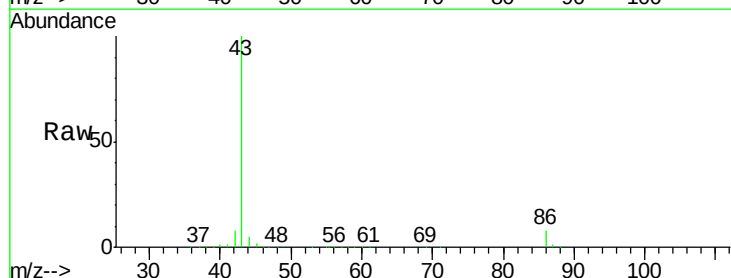
Manual Integrations
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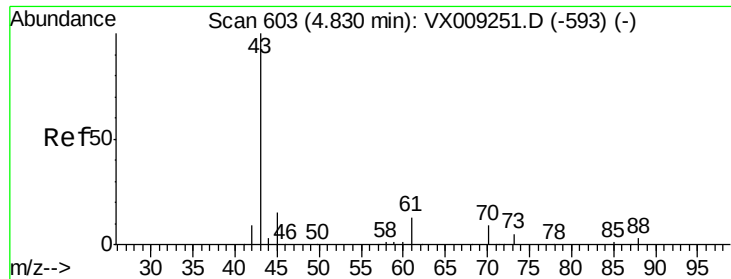
MMDadoda
5/2/2019 10:53:51 AM



#42
Vinyl Acetate
Concen: 98.378 ug/l
RT: 3.81 min Scan# 436
Delta R.T. -0.00 min
Lab File: VX009262.D
Acq: 01 May 2019 18:24

Tgt Ion	43	Resp	662033
Ion Ratio	100	Lower	Upper
43	100		
86	7.7	6.0	9.0





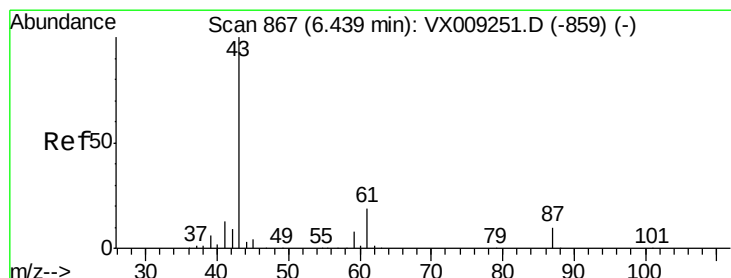
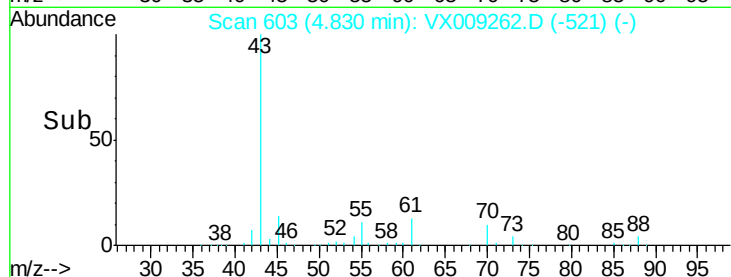
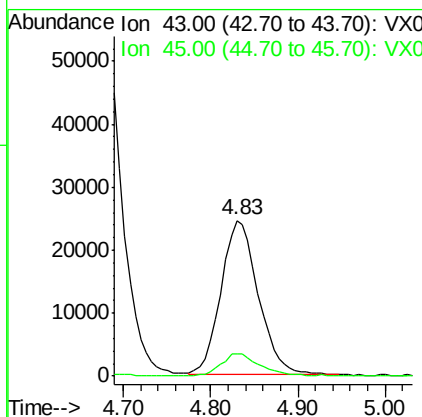
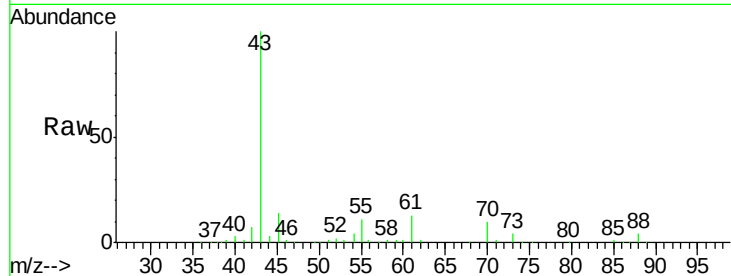
#43
Ethyl Acetate
Concen: 19.809 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.00 min
Lab File: VX009262.D
Acq: 01 May 2019 18:24

Instrument :
MSVOA_X
ClientSampled :
VX0501WBSD01

Tot Ion: 43 Resp: 72984
Ion Ratio Lower Upper
43 100
45 15.4 11.8 17.8

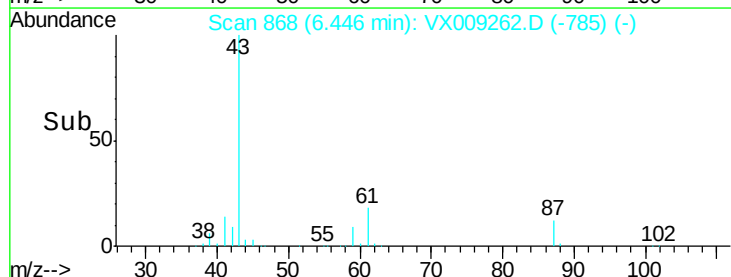
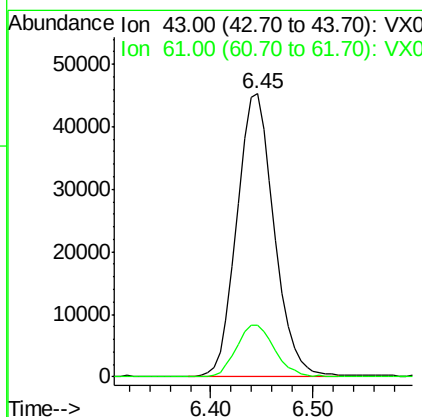
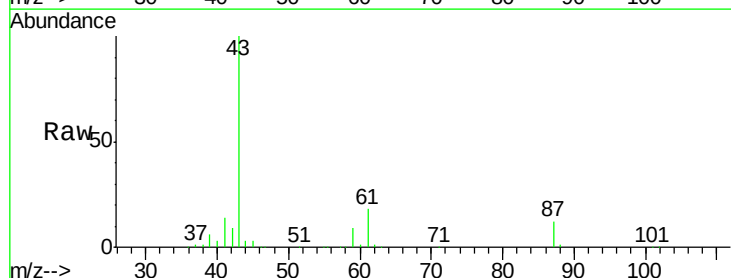
Manual Integrations
APPROVED

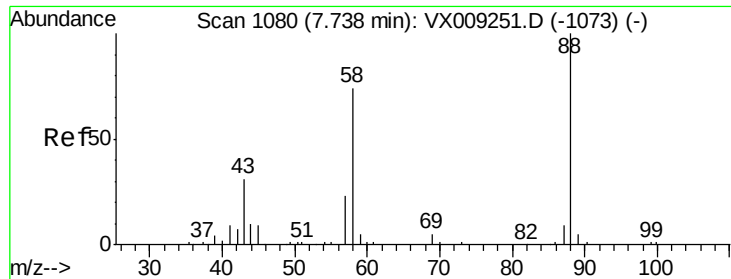
MMDadoda
5/2/2019 10:53:51 AM



#44
Isopropyl Acetate
Concen: 19.166 ug/l
RT: 6.45 min Scan# 868
Delta R.T. 0.01 min
Lab File: VX009262.D
Acq: 01 May 2019 18:24

Tgt Ion: 43 Resp: 114396
Ion Ratio Lower Upper
43 100
61 18.9 15.4 23.2





#45

1,4-Dioxane

Concen: 398.142 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

Instrument :

MSVOA_X

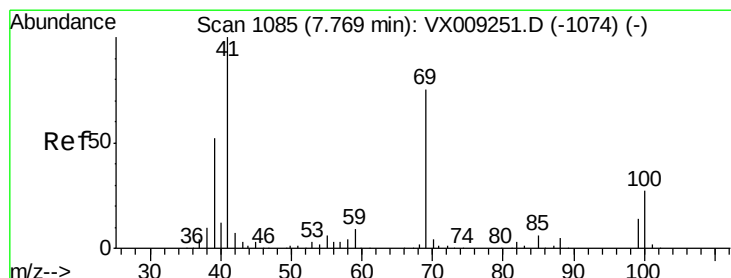
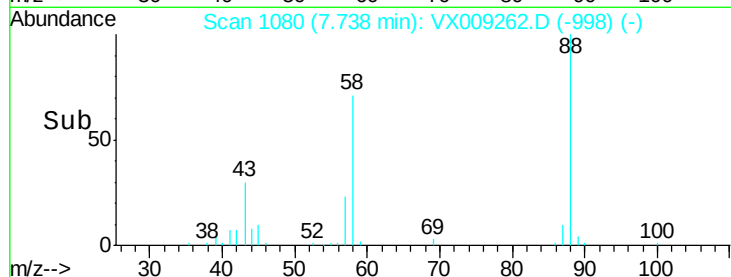
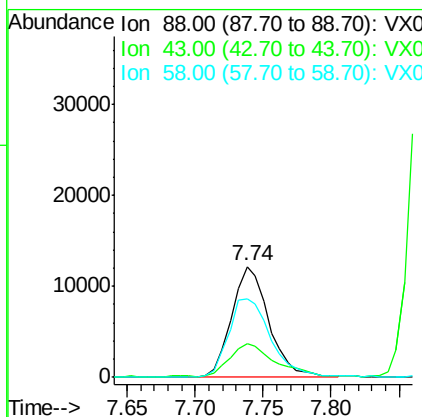
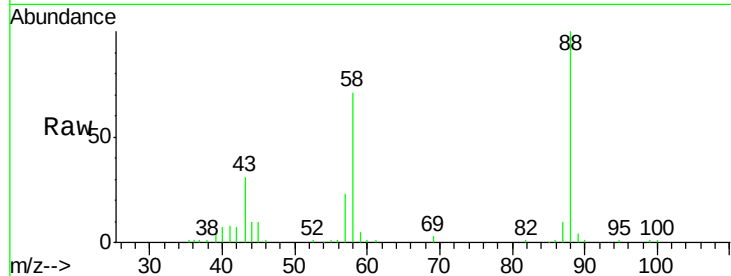
ClientSampled :

VX0501WBSD01

Tot Ion:	88	Resp:	23331
Ion	Ratio	Lower	Upper
88	100		
43	35.6	28.5	42.7
58	80.8	62.5	93.7

Manual Integrations
APPROVED

MMDadoda
5/2/2019 10:53:51 AM



#46

Methyl methacrylate

Concen: 19.049 ug/l

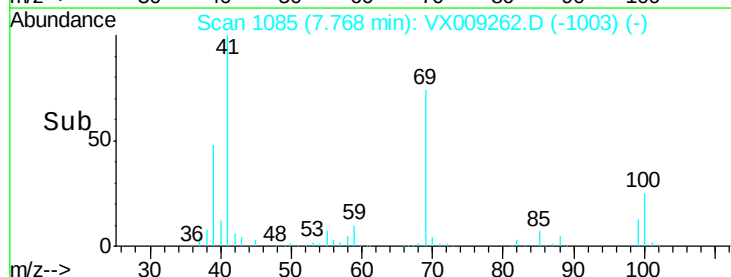
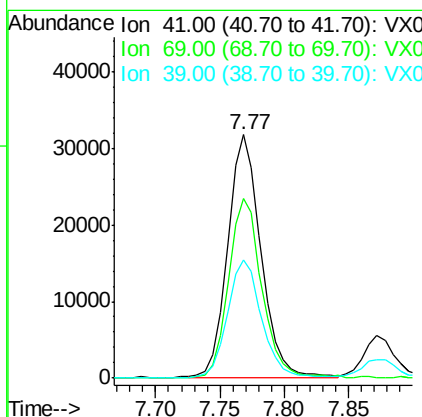
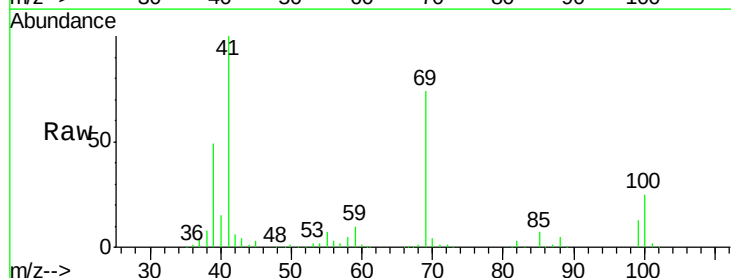
RT: 7.77 min Scan# 1085

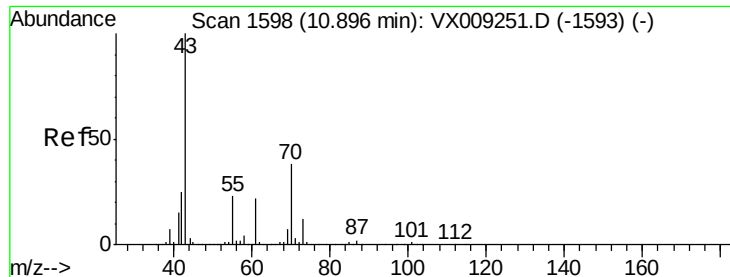
Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

Tgt Ion:	41	Resp:	56750
Ion	Ratio	Lower	Upper
41	100		
69	74.4	37.6	112.8
39	48.5	25.8	77.3





#47

n-amvl Acetate

Concen: 18.338 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBSD01

Tot Ion: 43 Resp: 98601

Ion Ratio Lower Upper

43 100

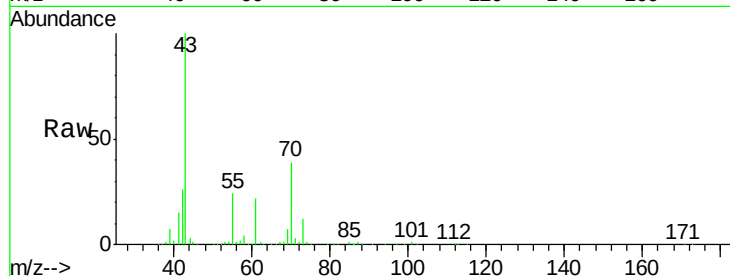
55 23.1 18.2 27.4

Manual Integrations

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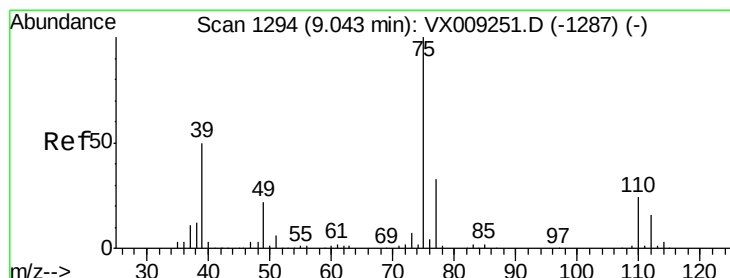
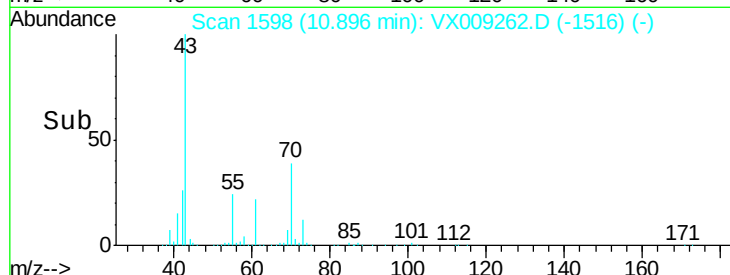
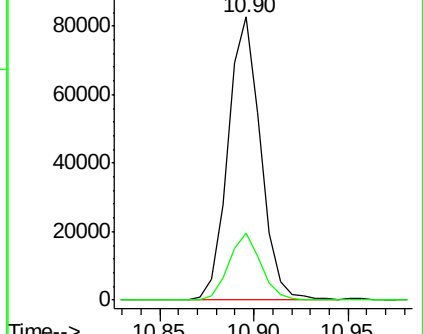
MMDadoda

5/2/2019 10:53:51 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#48

t-1,3-Dichloropropene

Concen: 18.389 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX009262.D

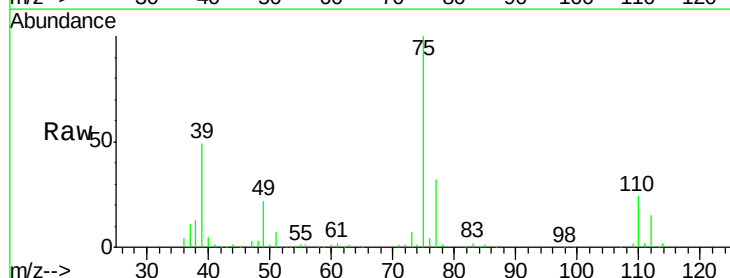
Acq: 01 May 2019 18:24

Tgt Ion: 75 Resp: 56858

Ion Ratio Lower Upper

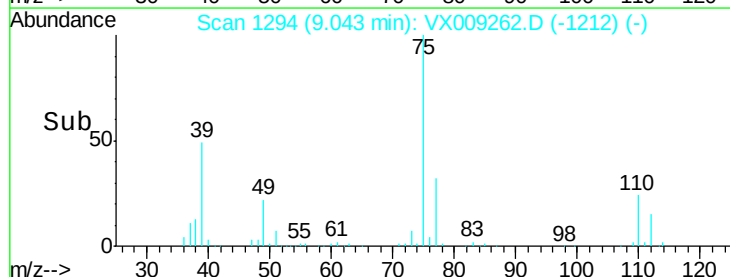
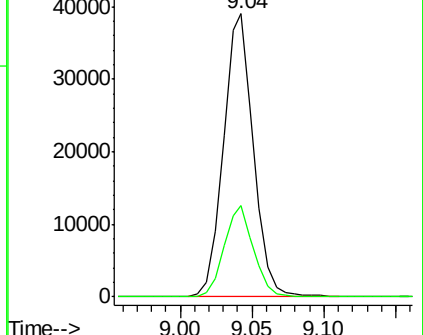
75 100

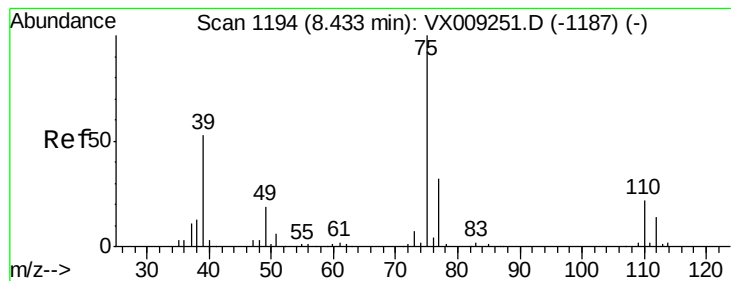
77 32.4 26.5 39.7



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#49

cis-1,3-Dichloropropene

Concen: 18.771 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

Instrument :

MSVOA_X

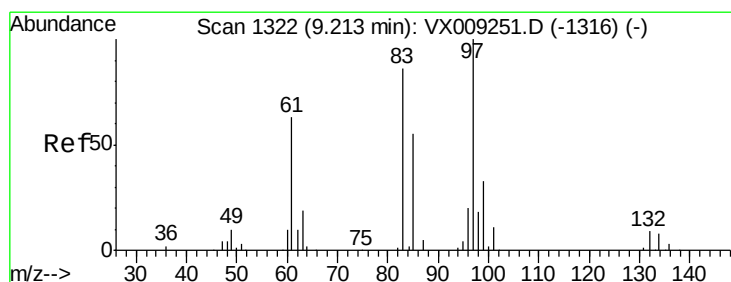
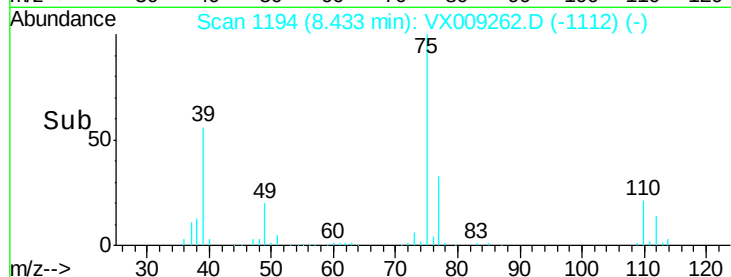
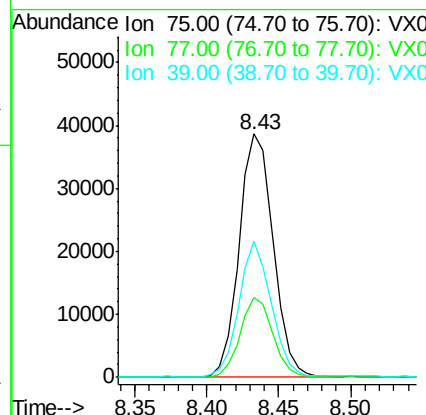
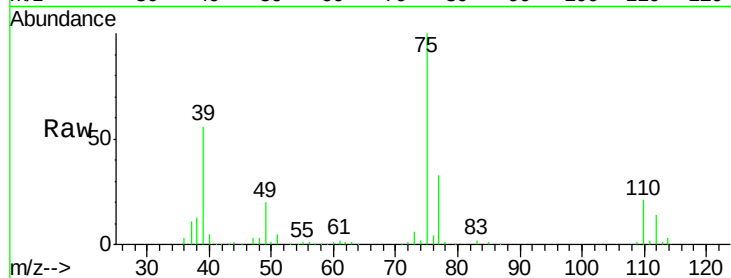
ClientSampleId :

VX0501WBSD01

Tot Ion:	75	Resp:	63714
Ion	Ratio	Lower	Upper
75	100		
77	32.7	26.0	39.0
39	55.6	42.6	63.8

Manual Integrations
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#50

1,1,2-Trichloroethane

Concen: 19.949 ug/l

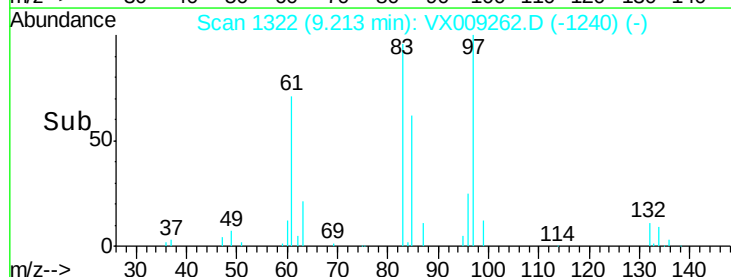
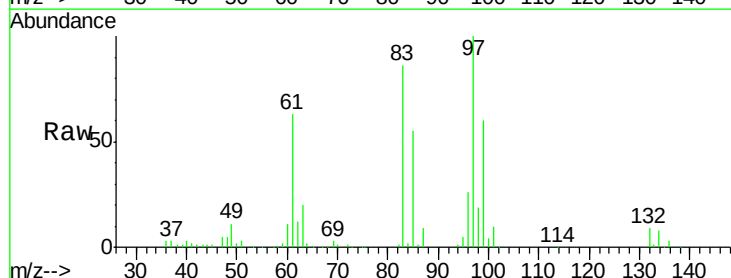
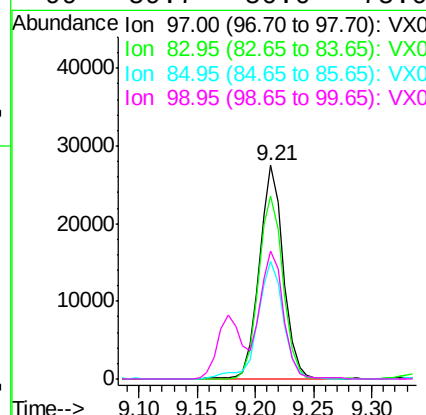
RT: 9.21 min Scan# 1322

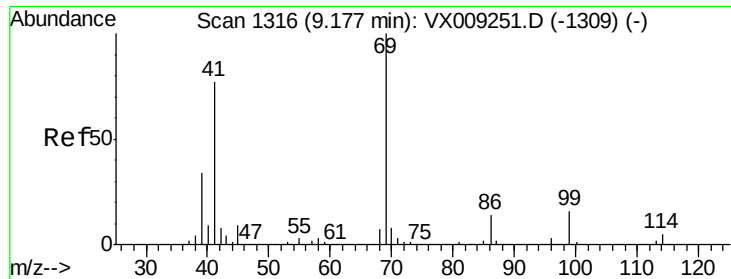
Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

Tgt Ion:	97	Resp:	39650
Ion	Ratio	Lower	Upper
97	100		
83	85.7	68.8	103.2
85	55.1	45.8	68.6
99	59.7	50.0	75.0





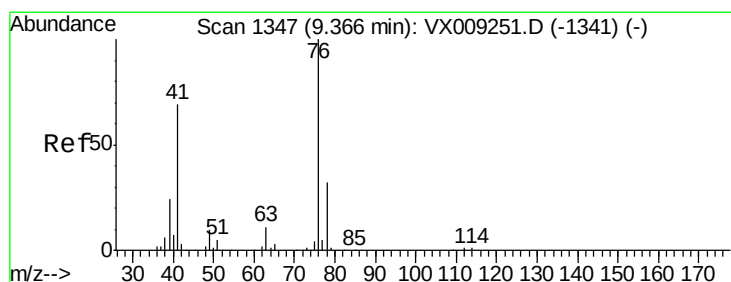
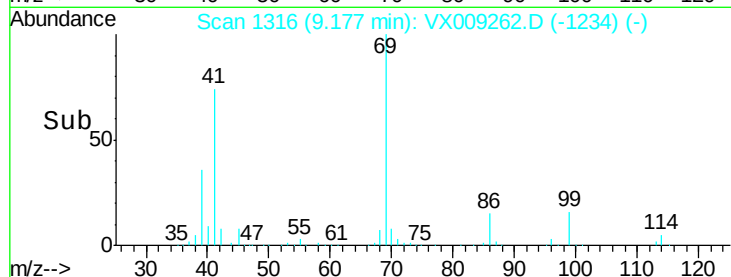
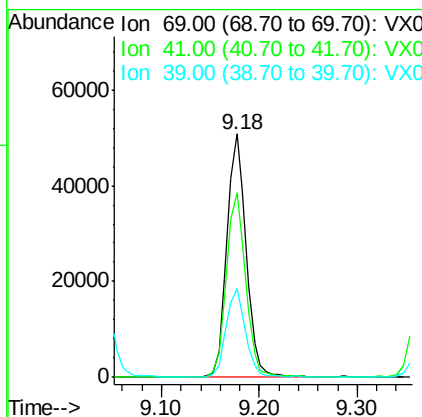
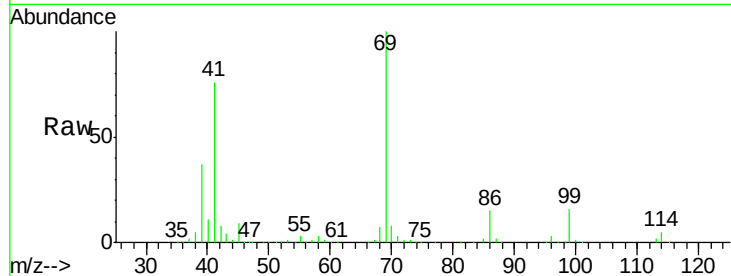
#51
Ethyl methacrylate
Concen: 19.106 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VX009262.D
Acq: 01 May 2019 18:24

Instrument :
MSVOA_X
ClientSampled :
VX0501WBSD01

Tot Ion	Ratio	Lower	Upper
69	100		
41	75.5	38.4	115.2
39	36.5	17.2	51.5

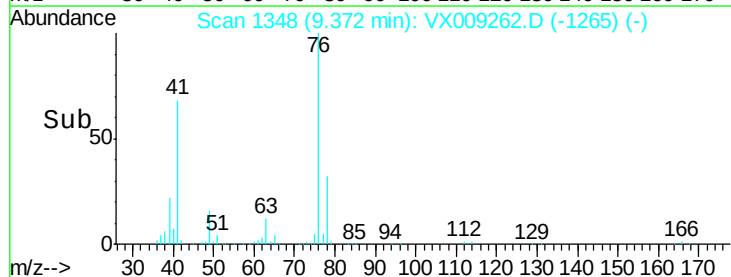
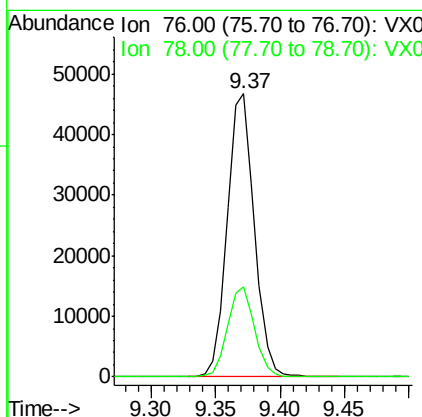
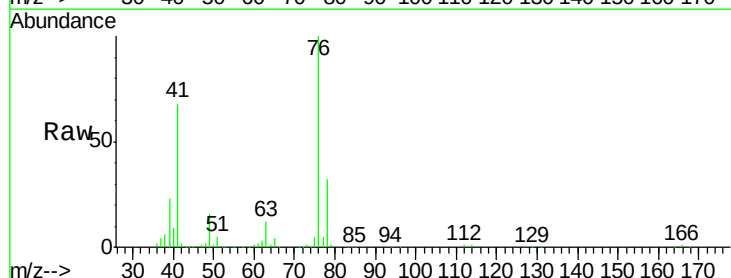
Manual Integrations
APPROVED

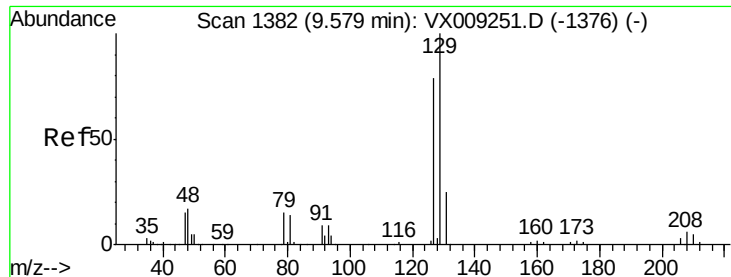
MMDadoda
5/2/2019 10:53:51 AM



#52
1,3-Dichloropropane
Concen: 19.576 ug/l
RT: 9.37 min Scan# 1348
Delta R.T. 0.01 min
Lab File: VX009262.D
Acq: 01 May 2019 18:24

Tgt Ion	Ratio	Lower	Upper
76	100		
78	31.7	0.0	64.2





#53

Dibromochloromethane

Concen: 18.719 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBSD01

Tot Ion:129 Resp: 37054

Ion Ratio Lower Upper

129 100

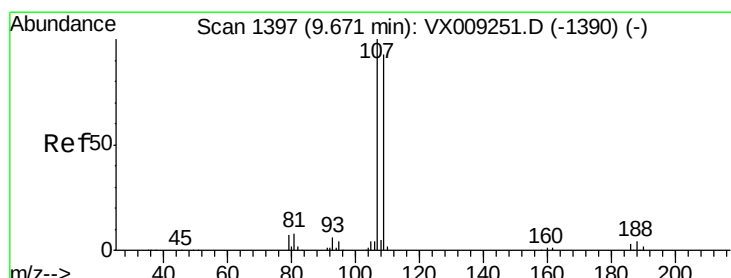
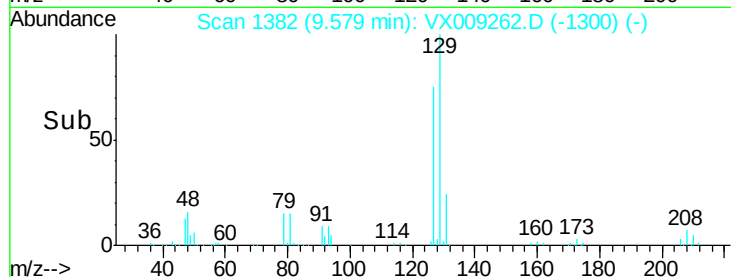
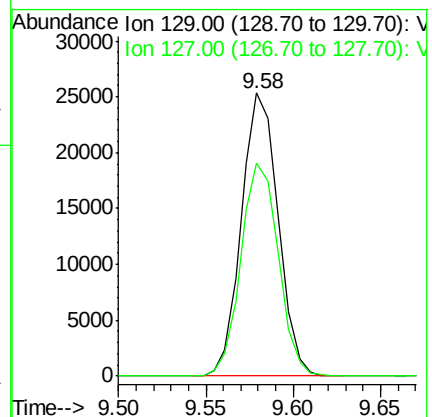
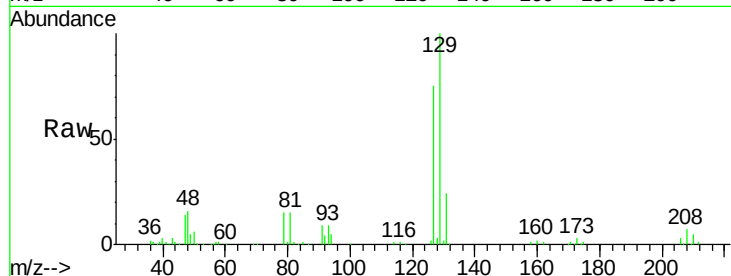
127 76.8 39.1 117.5

Manual Integrations

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MMDadoda

5/2/2019 10:53:51 AM



#54

1,2-Dibromoethane

Concen: 19.491 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009262.D

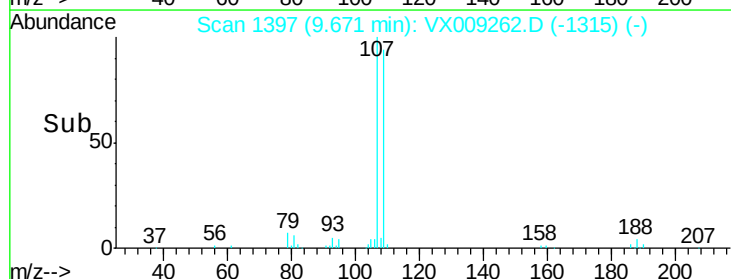
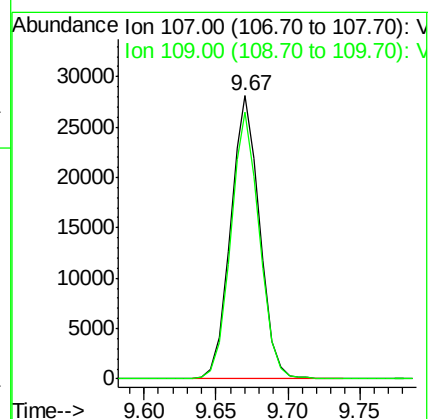
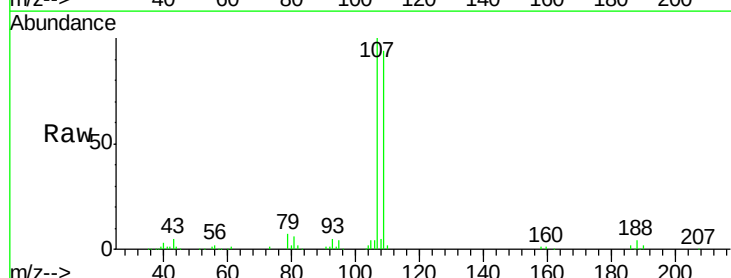
Acq: 01 May 2019 18:24

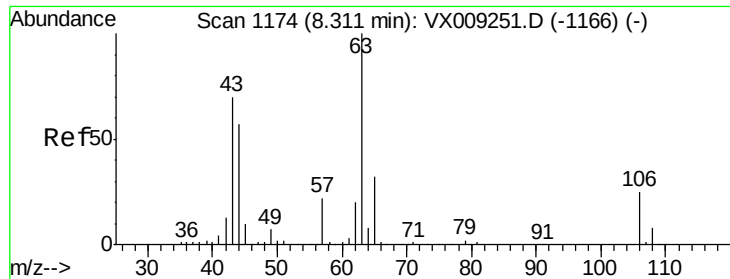
Tgt Ion:107 Resp: 39732

Ion Ratio Lower Upper

107 100

109 92.8 75.5 113.3





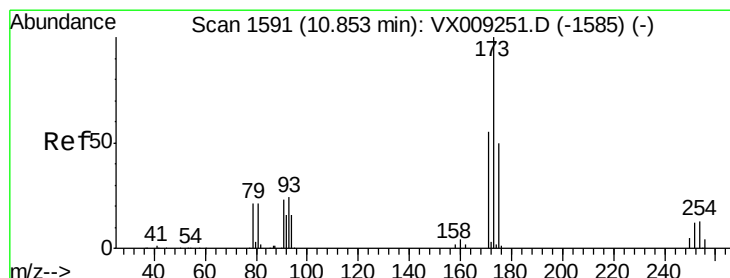
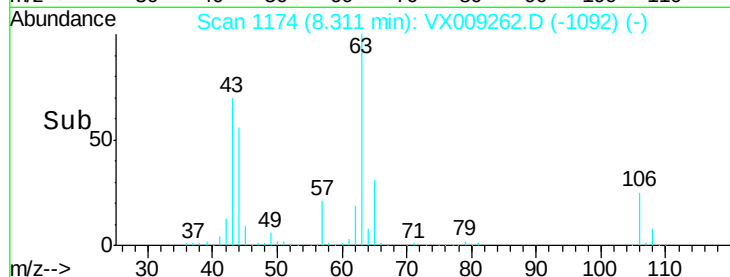
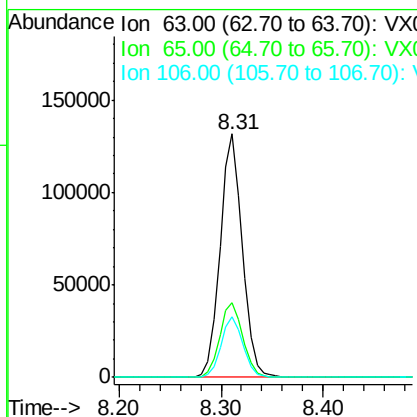
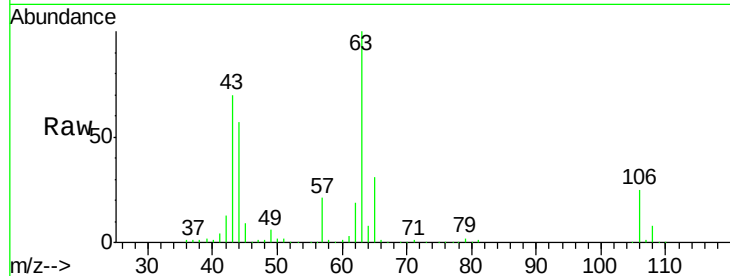
#55
2-Chloroethyl vinyl ether
Concen: 102.189 ug/l
RT: 8.31 min Scan# 1174
Delta R.T. -0.00 min
Lab File: VX009262.D
Acq: 01 May 2019 18:24

Instrument :
MSVOA_X
ClientSampled :
VX0501WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.8	38.6
106	24.7	19.8	29.6

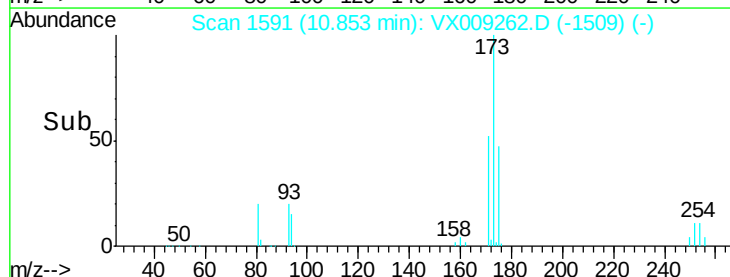
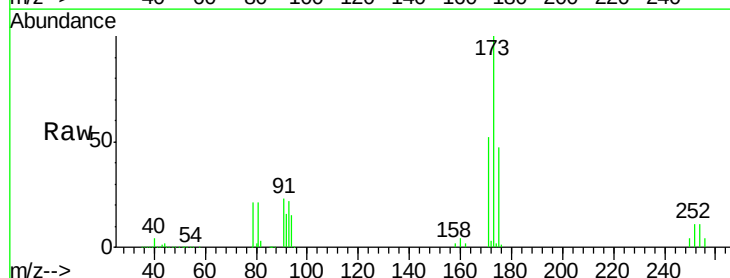
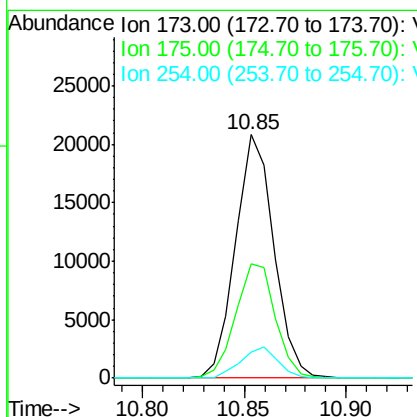
Manual Integrations
APPROVED

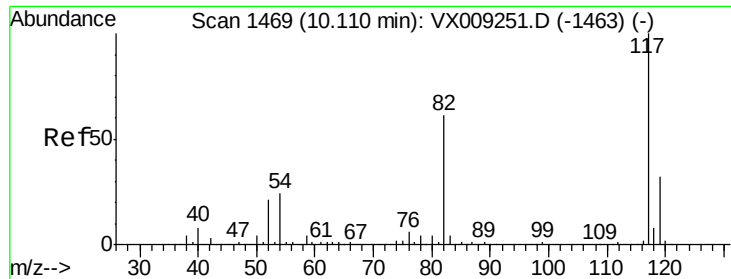
MMDadoda
5/2/2019 10:53:51 AM



#56
Bromoform
Concen: 17.910 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX009262.D
Acq: 01 May 2019 18:24

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.5	39.4	59.2
254	12.5	9.9	14.9





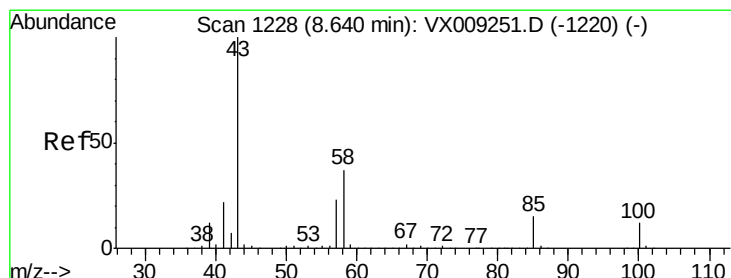
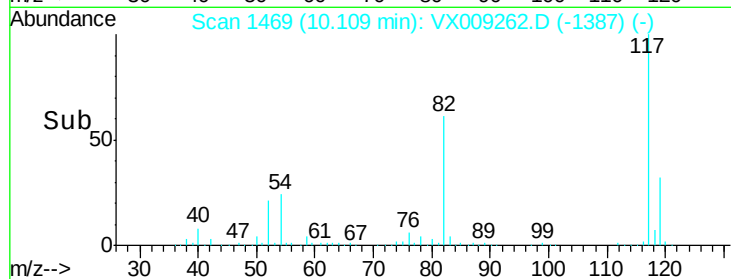
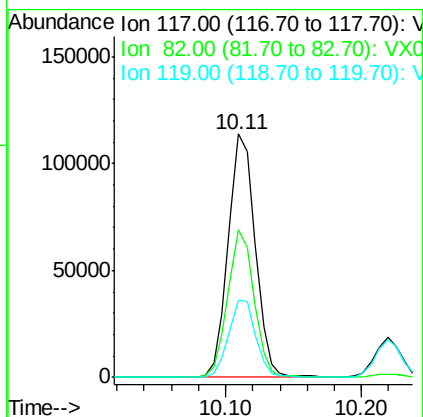
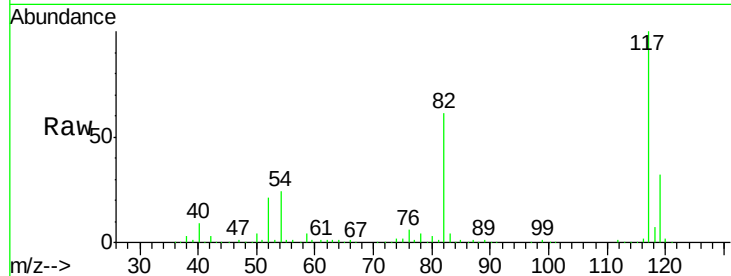
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009262.D
Acq: 01 May 2019 18:24

Instrument :
MSVOA_X
ClientSampled :
VX0501WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.7	47.8	71.8
119	32.1	25.6	38.4

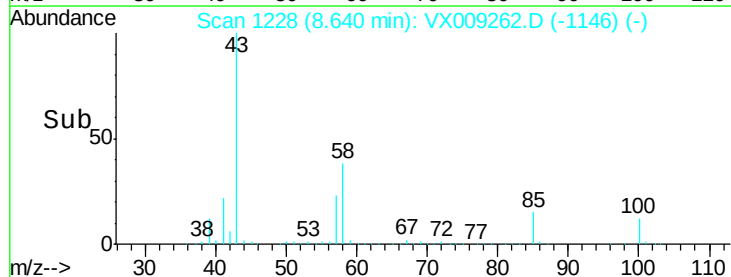
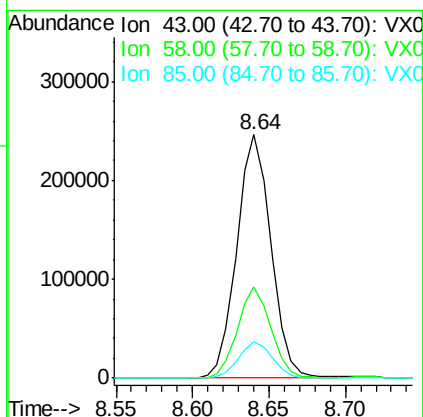
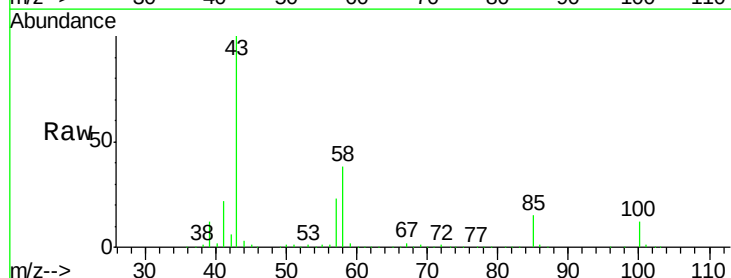
Manual Integrations
APPROVED

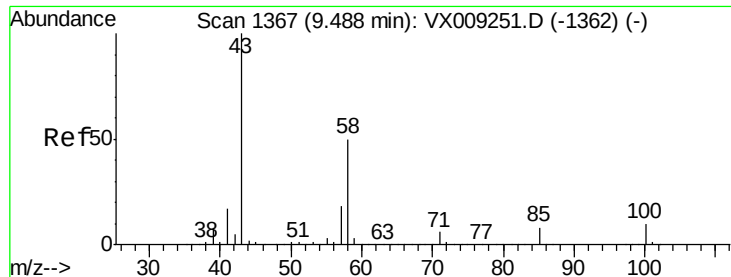
MMDadoda
5/2/2019 10:53:51 AM



#58
4-Methyl-2-Pentanone
Concen: 97.949 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX009262.D
Acq: 01 May 2019 18:24

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.8	29.4	44.0
85	15.0	11.8	17.8





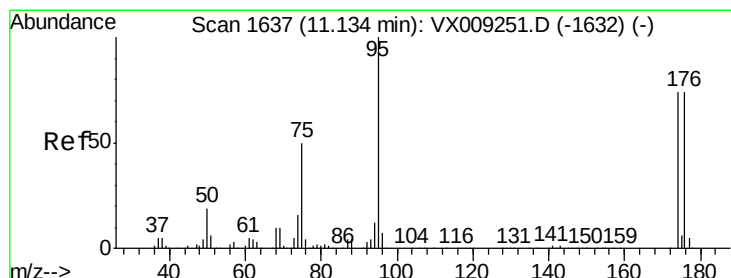
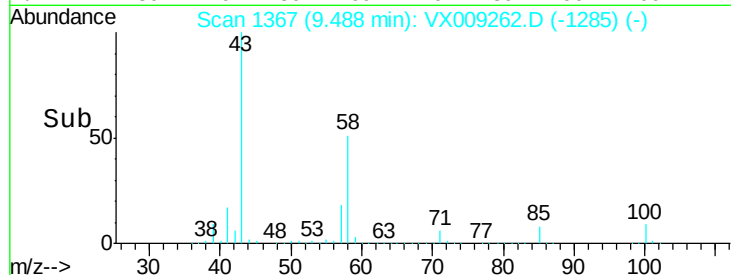
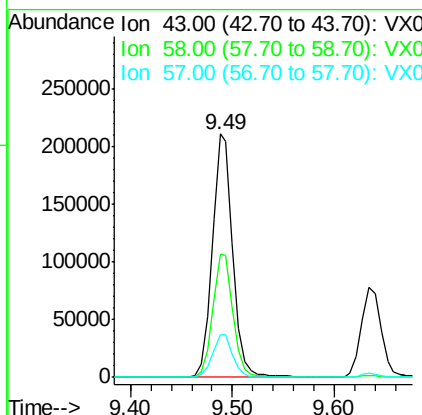
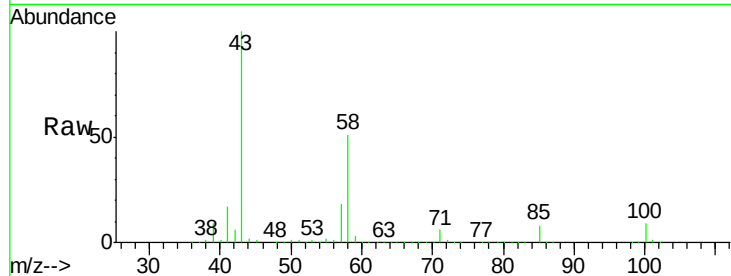
#59
2-Hexanone
Concen: 96.876 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009262.D
Acq: 01 May 2019 18:24

Instrument :
MSVOA_X
ClientSampleId :
VX0501WBSD01

Tot Ion	43	Resp	295525
Ion Ratio	Lower	Upper	
43	100		
58	50.6	40.8	61.2
57	17.7	14.1	21.1

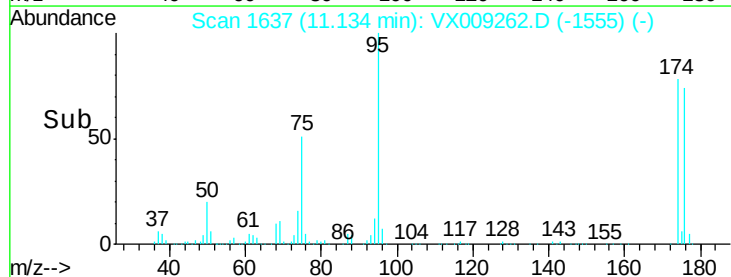
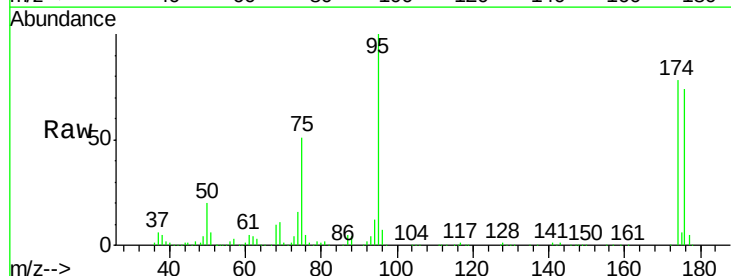
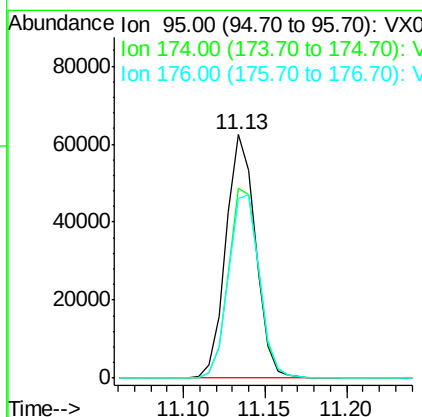
Manual Integrations
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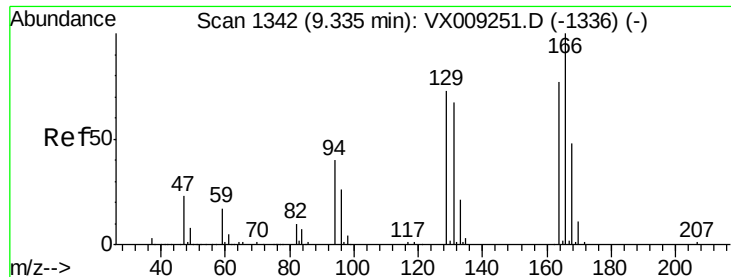
MMDadoda
5/2/2019 10:53:51 AM



#60
4-Bromofluorobenzene
Concen: 29.387 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009262.D
Acq: 01 May 2019 18:24

Tgt Ion	95	Resp	78985
Ion Ratio	Lower	Upper	
95	100		
174	80.0	63.6	95.4
176	78.6	62.4	93.6





#61

Tetrachloroethene

Concen: 19.291 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBSD01

Tot Ion:164 Resp: 33637

Ion Ratio Lower Upper

164 100

166 131.6 104.1 156.1

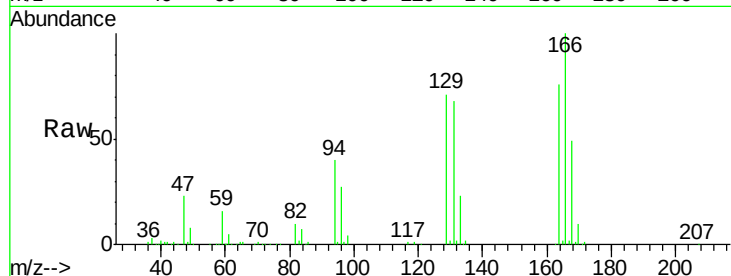
129 93.9 76.0 114.0

131 89.7 70.1 105.1

Manual Integrations
APPROVED

MMDadoda

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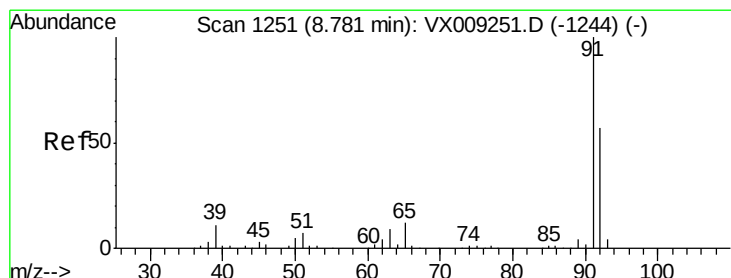
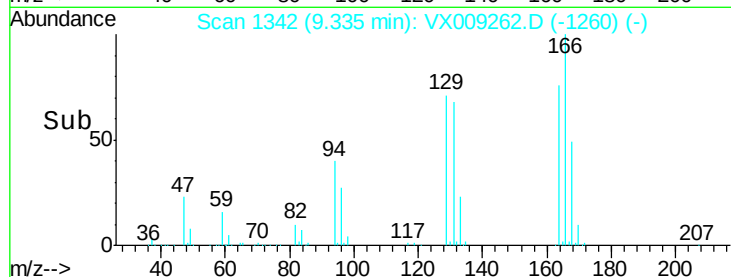
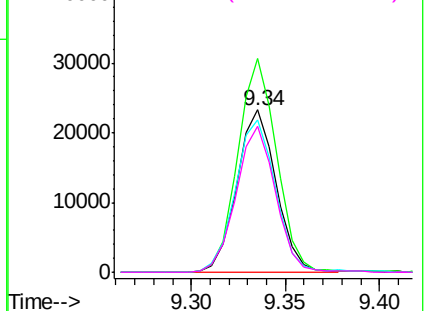


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.485 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX009262.D

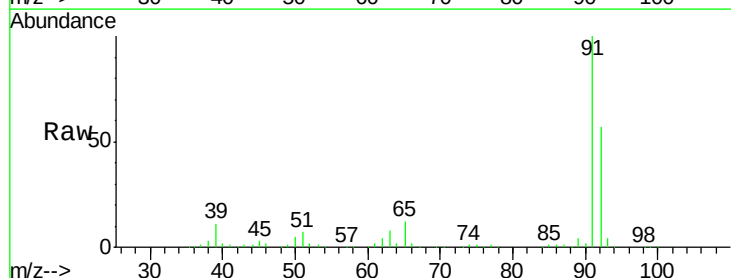
Acq: 01 May 2019 18:24

Tgt Ion: 91 Resp: 164685

Ion Ratio Lower Upper

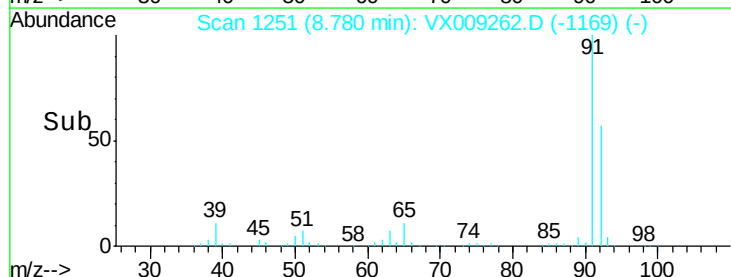
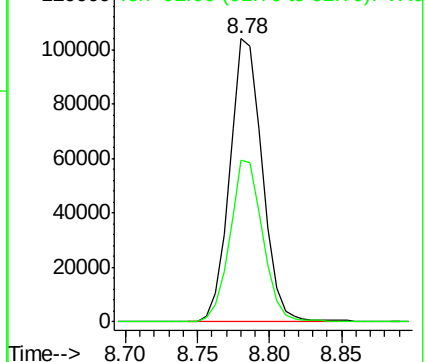
91 100

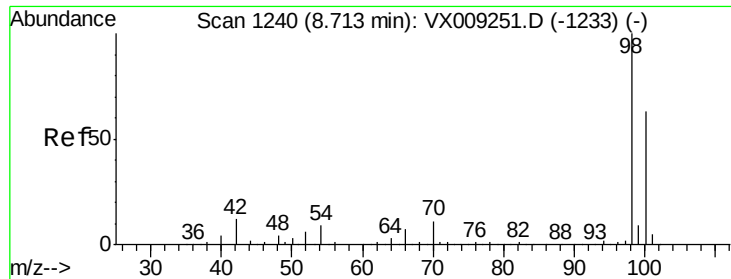
92 57.6 46.1 69.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





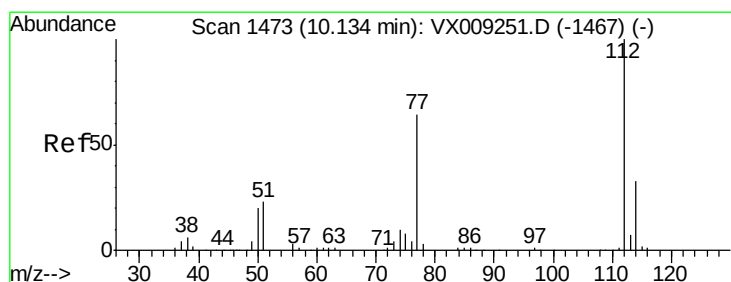
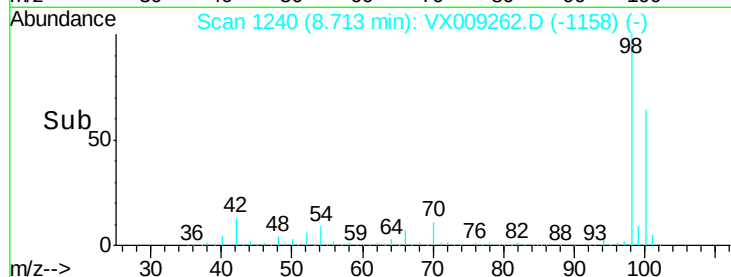
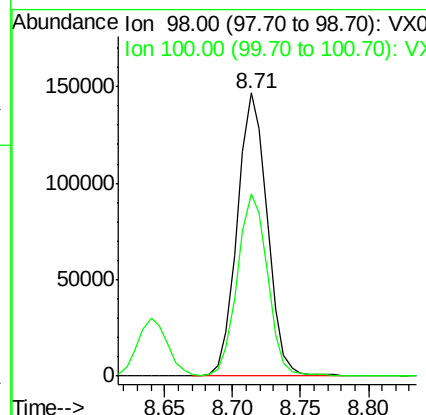
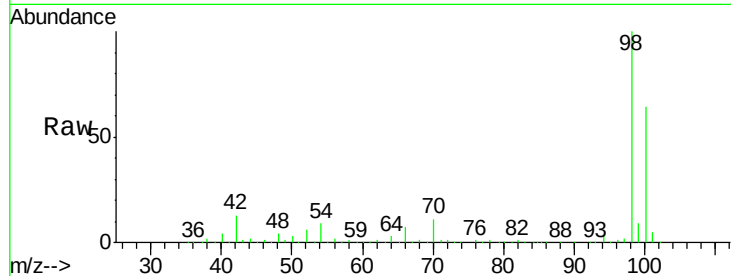
#63
Toluene-d8
Concen: 30.160 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009262.D
Acq: 01 May 2019 18:24

Instrument :
MSVOA_X
ClientSampleId :
VX0501WBSD01

Tot Ion: 98 Resp: 226176
Ion Ratio Lower Upper
98 100
100 64.5 52.3 78.5

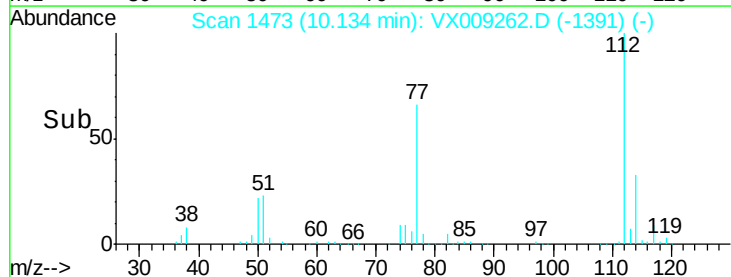
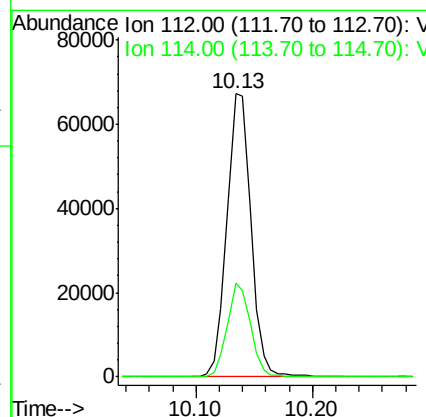
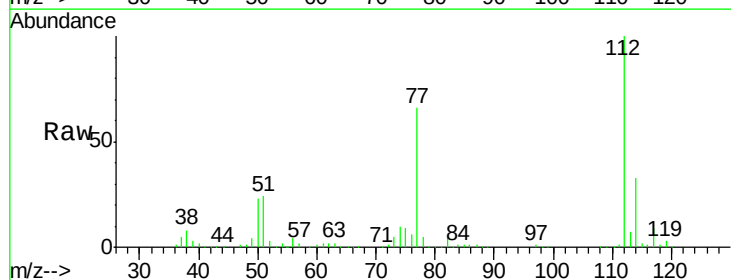
Manual Integrations
APPROVED

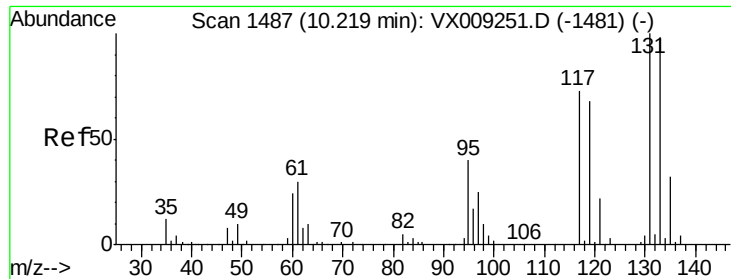
MMDadoda
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#64
Chlorobenzene
Concen: 18.951 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX009262.D
Acq: 01 May 2019 18:24

Tgt Ion: 112 Resp: 96397
Ion Ratio Lower Upper
112 100
114 33.1 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 18.737 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

Instrument :

MSVOA_X

ClientSampled :

VX0501WBSD01

Tot Ion:131 Resp: 34898

Ion Ratio Lower Upper

131 100

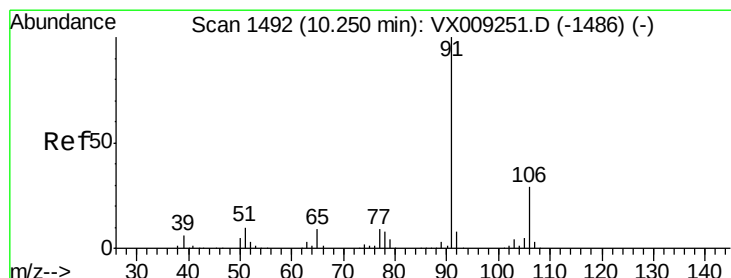
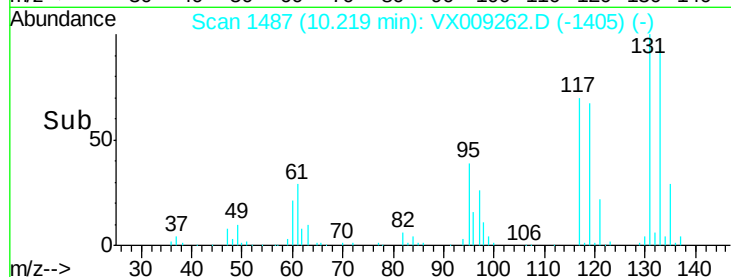
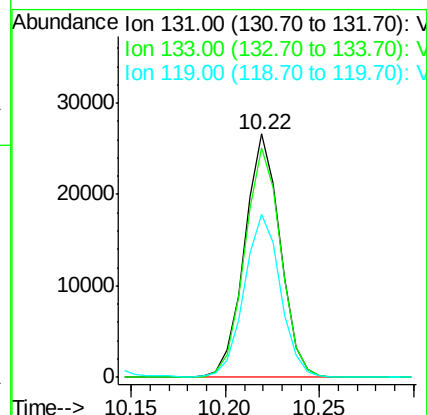
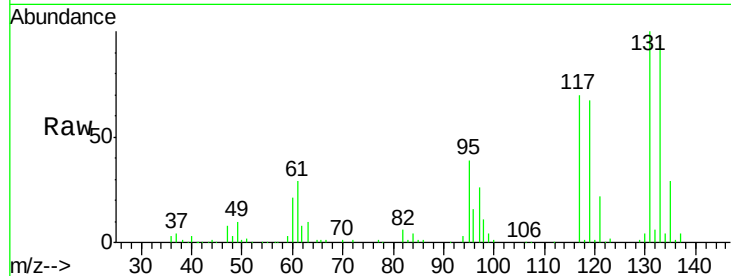
133 95.7 0.0 191.2

119 68.0 0.0 135.4

Manual Integrations
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MMDadoda

5/2/2019 10:53:51 AM



#66

Ethyl Benzene

Concen: 18.912 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009262.D

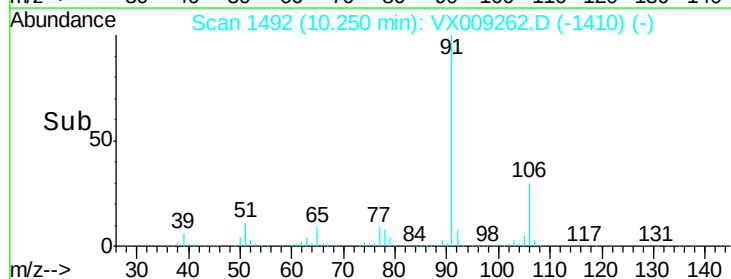
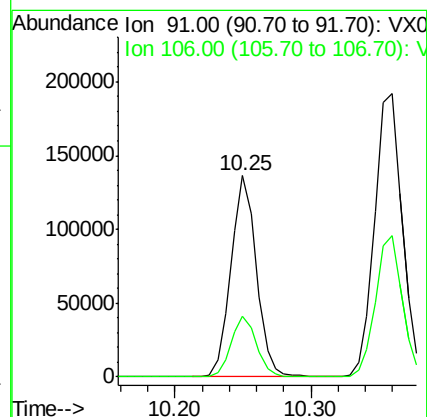
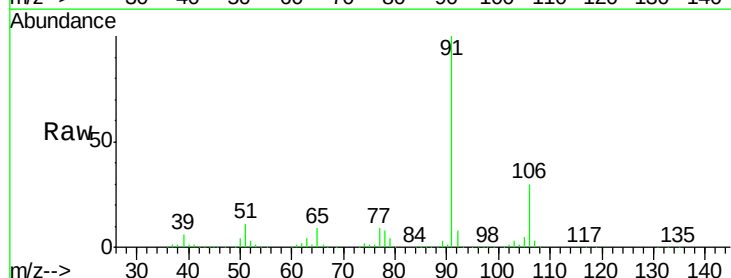
Acq: 01 May 2019 18:24

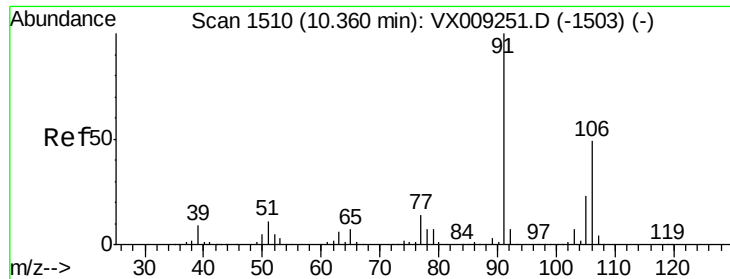
Tgt Ion: 91 Resp: 178068

Ion Ratio Lower Upper

91 100

106 30.1 23.5 35.3





#67

m/p-Xylenes

Concen: 38.453 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

Instrument :

MSVOA_X

ClientSampled :

VX0501WBSD01

Tot Ion:106 Resp: 132194

Ion Ratio Lower Upper

106 100

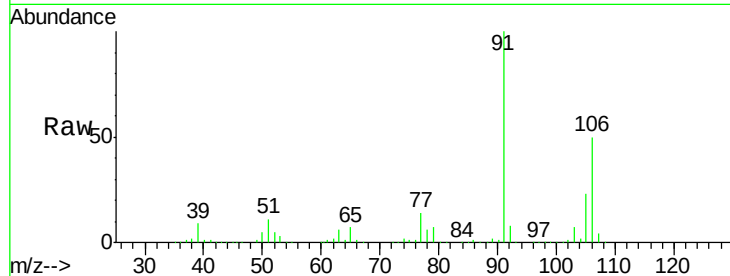
91 207.1 166.8 250.2

Manual Integrations

APPROVED

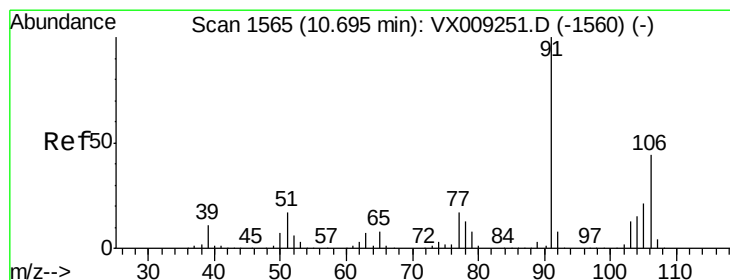
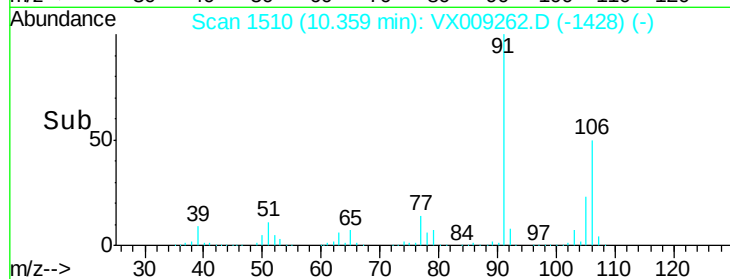
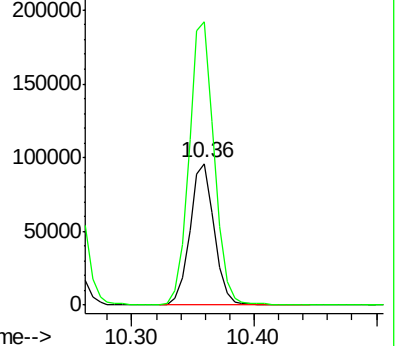
MMDadoda

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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: 19.272 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VX009262.D

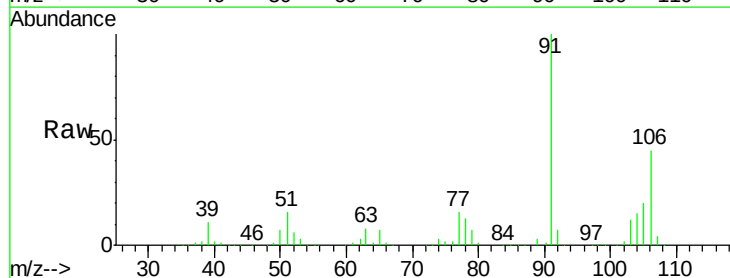
Acq: 01 May 2019 18:24

Tgt Ion:106 Resp: 65144

Ion Ratio Lower Upper

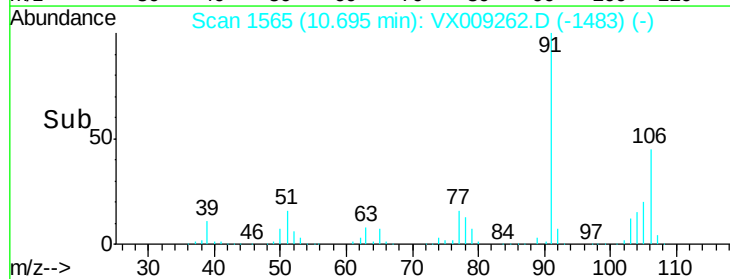
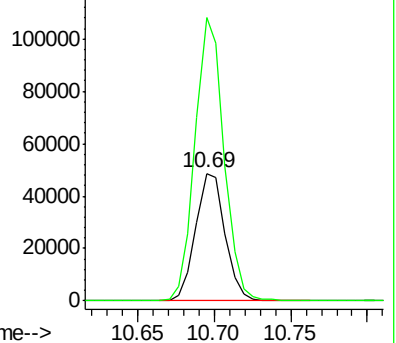
106 100

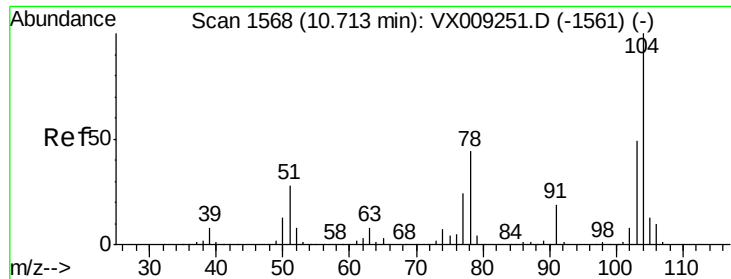
91 217.6 110.8 332.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





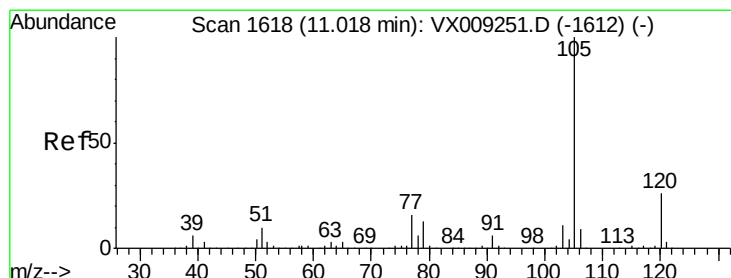
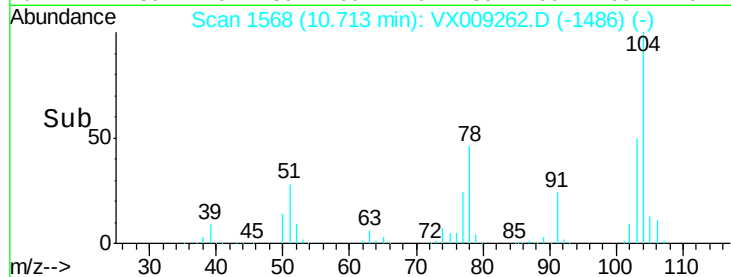
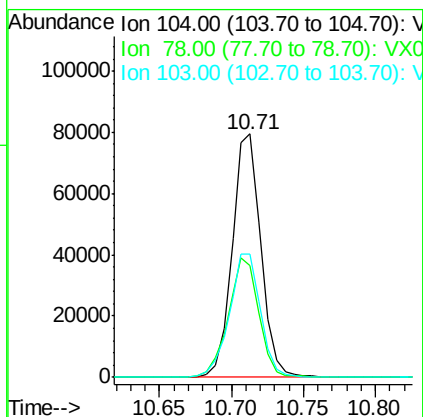
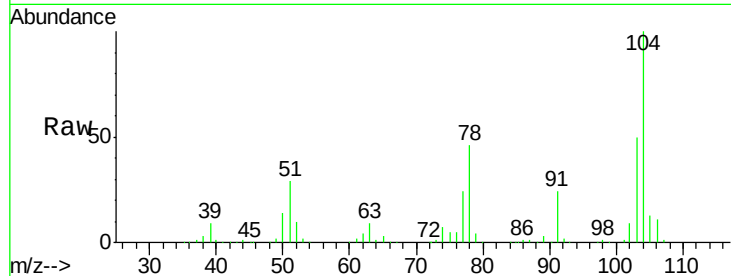
#69
Stvrene
Concen: 18.633 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009262.D
Acq: 01 May 2019 18:24

Instrument :
MSVOA_X
ClientSampled :
VX0501WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
104	100	110569		
78	52.0		41.1	61.7
103	55.1		43.8	65.8

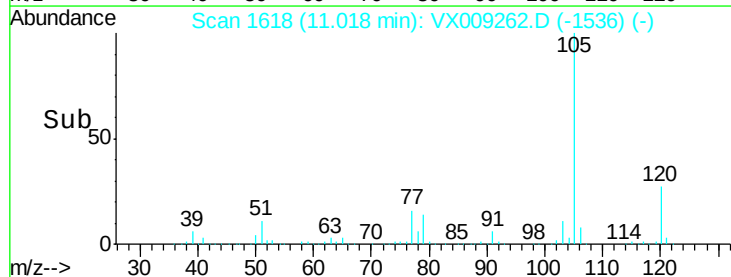
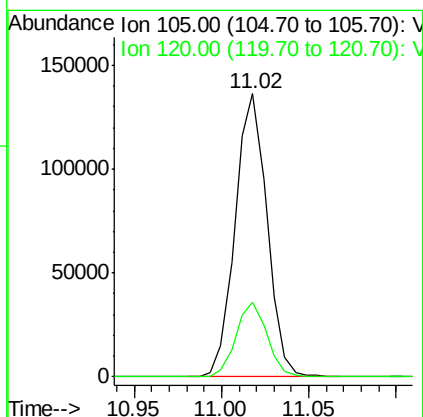
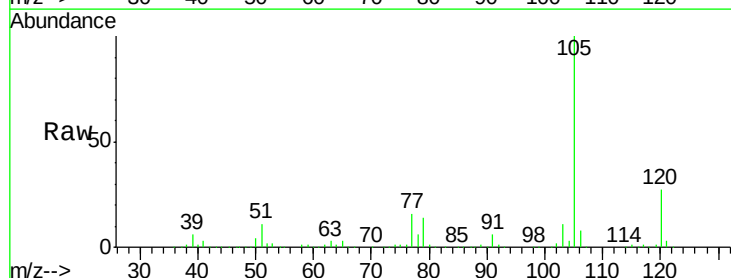
Manual Integrations
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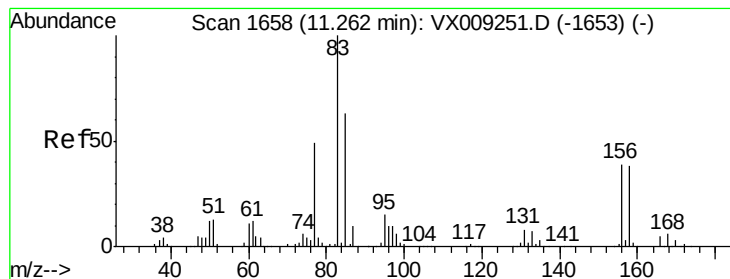
MMDadoda
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#70
Isopropylbenzene
Concen: 18.980 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX009262.D
Acq: 01 May 2019 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	172546		
120	25.8		18.1	33.7





#71

1,1,2,2-Tetrachloroethane

Concen: 19.187 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.01 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

Instrument :

MSVOA_X

ClientSampled :

VX0501WBSD01

Tot Ion: 83 Resp: 63879

Ion Ratio Lower Upper

83 100

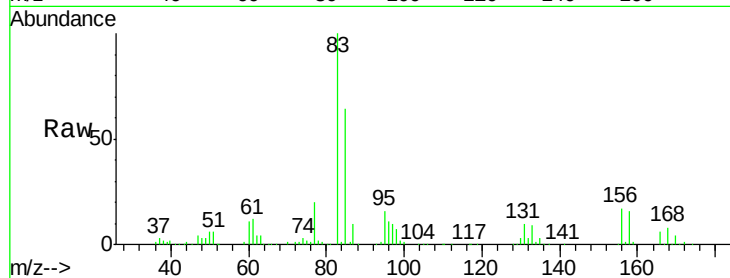
131 9.6 4.7 14.0

85 62.9 32.4 97.2

Manual Integrations
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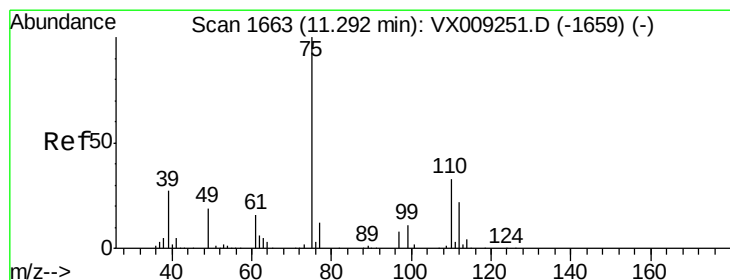
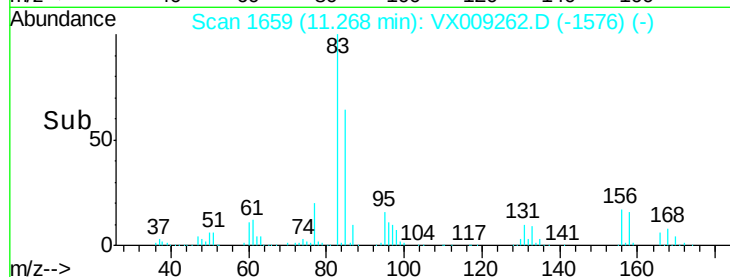
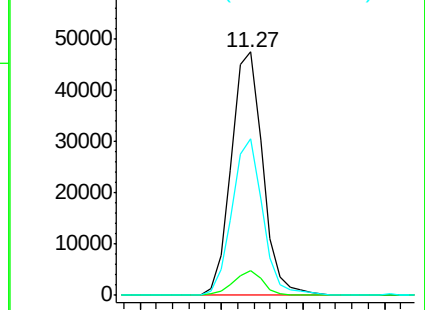
5/2/2019 10:53:51 AM



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 131.00 (130.70 to 131.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#72

1,2,3-Trichloropropane

Concen: 19.451 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX009262.D

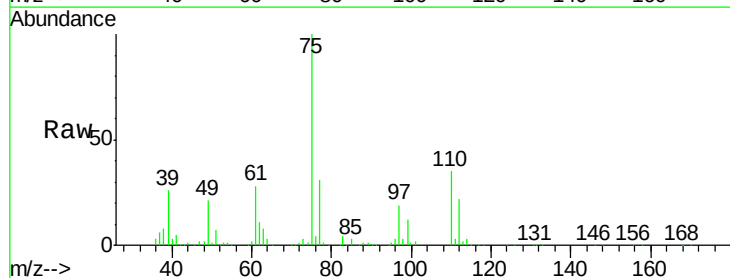
Acq: 01 May 2019 18:24

Tgt Ion: 75 Resp: 55805

Ion Ratio Lower Upper

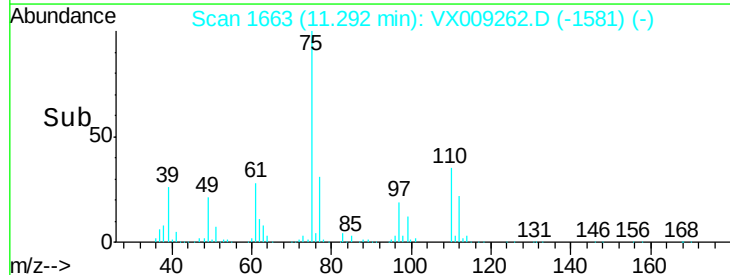
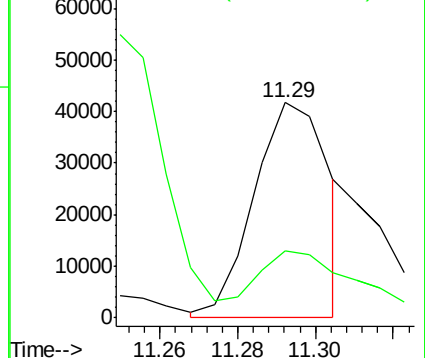
75 100

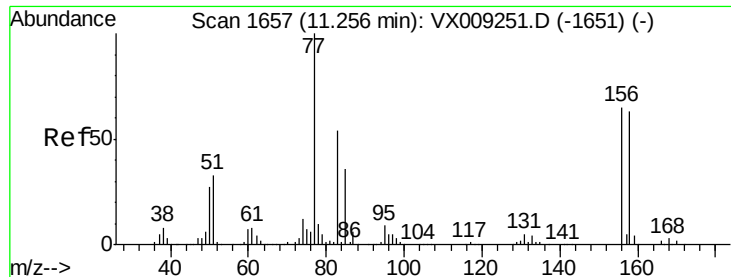
77 42.3 0.0 86.4



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#73

Bromobenzene

Concen: 18.764 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

Instrument :

MSVOA_X

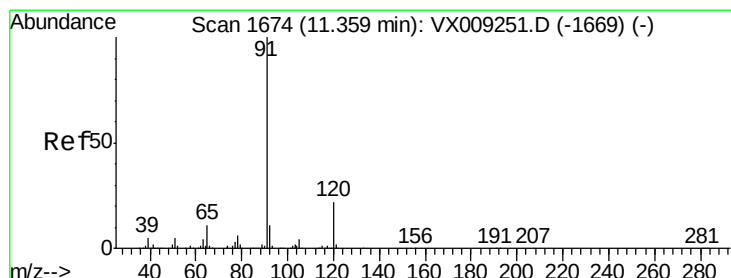
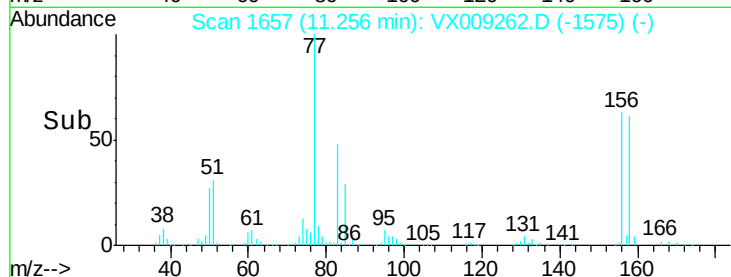
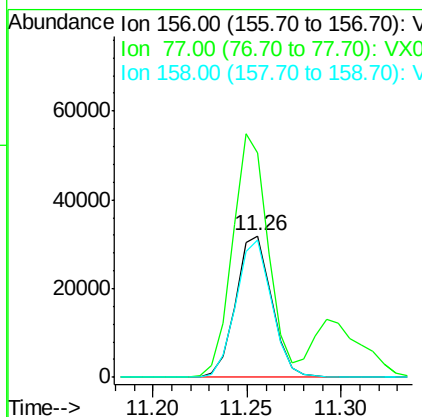
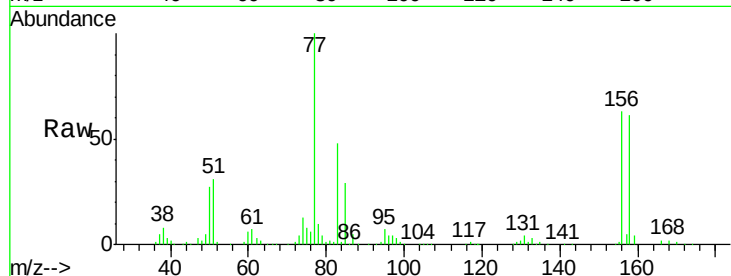
ClientSampled :

VX0501WBSD01

Tot Ion:	156	Resp:	42147
Ion	Ratio	Lower	Upper
156	100		
77	169.9	0.0	335.6
158	96.6	0.0	191.2

Manual Integrations
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#74

n-propylbenzene

Concen: 18.900 ug/l

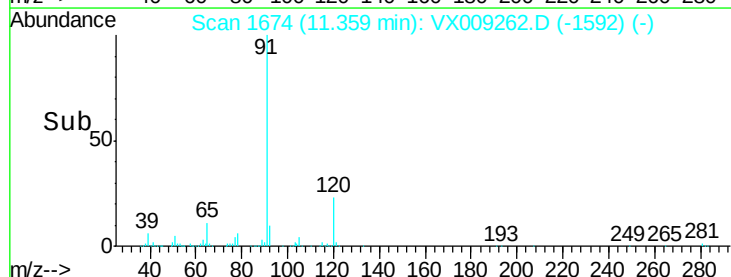
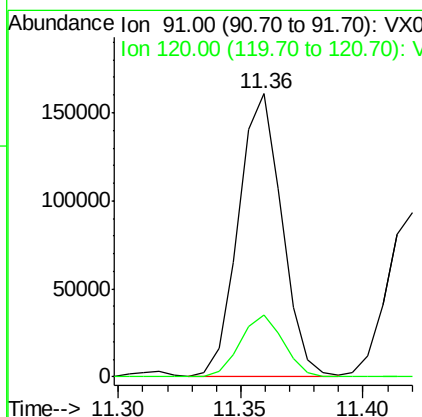
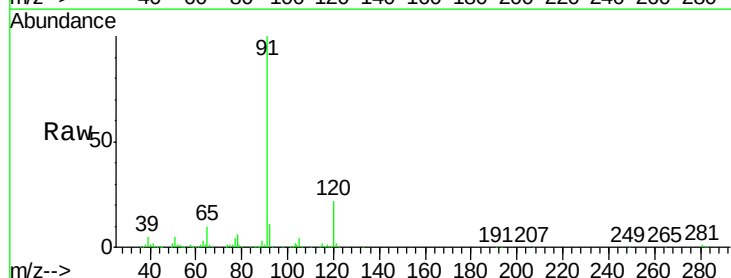
RT: 11.36 min Scan# 1674

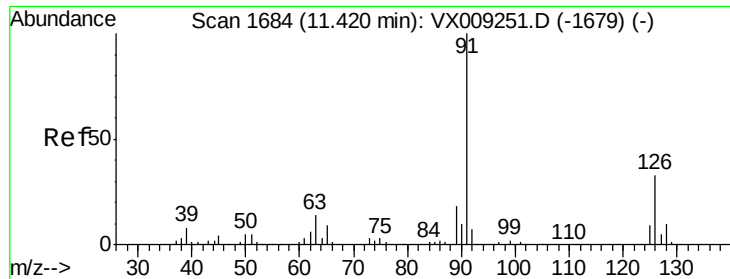
Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

Tgt Ion:	91	Resp:	199112
Ion	Ratio	Lower	Upper
91	100		
120	21.8	0.0	43.4





#75

2-Chlorotoluene

Concen: 19.029 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

Instrument :

MSVOA_X

ClientSampled :

VX0501WBSD01

Tot Ion: 91 Resp: 120240

Ion Ratio Lower Upper

91 100

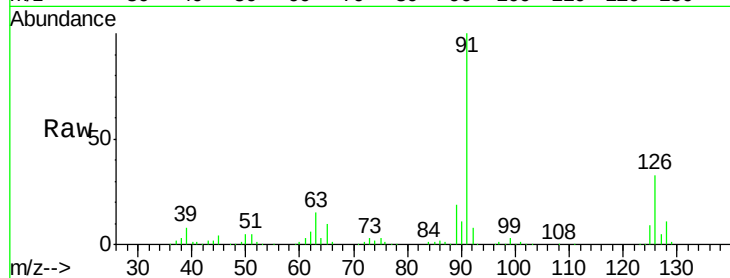
126 32.4 0.0 64.0

Manual Integrations

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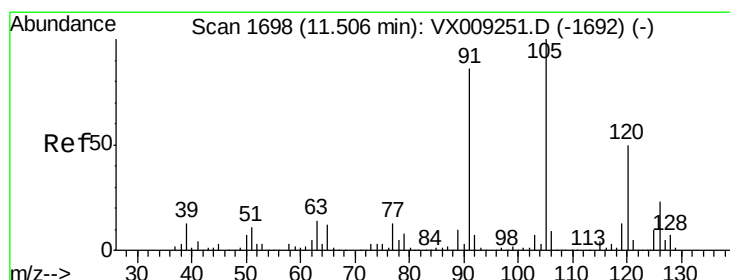
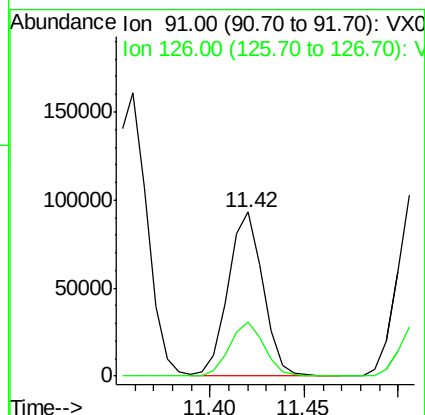
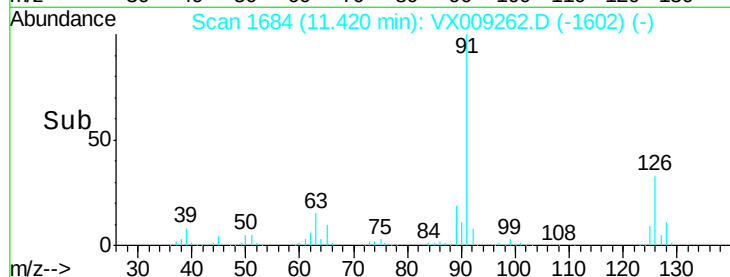
MMDadoda

5/2/2019 10:53:51 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 19.067 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009262.D

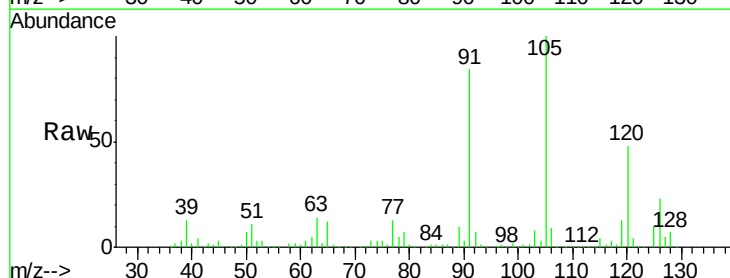
Acq: 01 May 2019 18:24

Tgt Ion:105 Resp: 146826

Ion Ratio Lower Upper

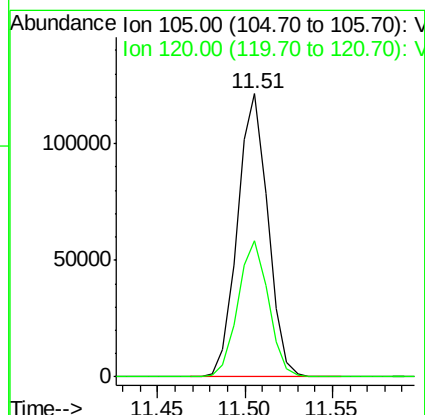
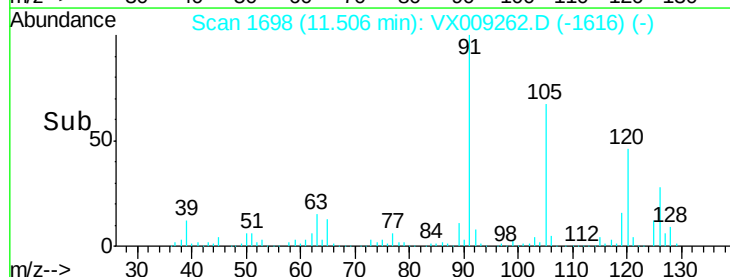
105 100

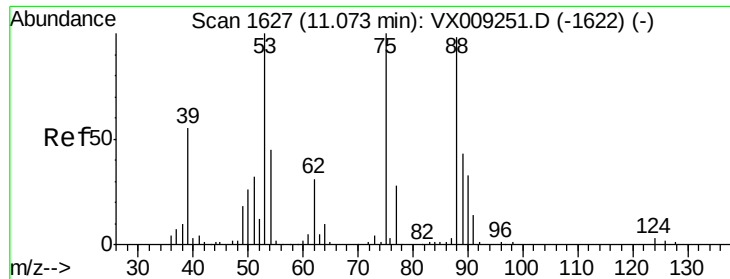
120 48.1 0.0 97.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#77

t-1,4-Dichloro-2-butene

Concen: 17.178 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBSD01

Tot Ion: 75 Resp: 19880

Ion Ratio Lower Upper

75 100

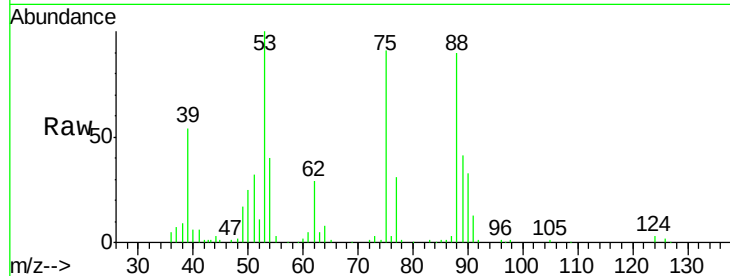
53 110.2 50.0 149.8

89 45.0 21.6 65.0

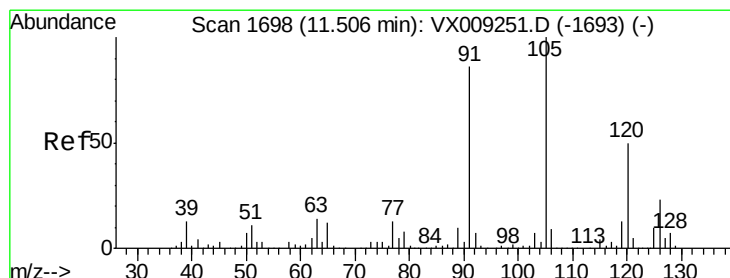
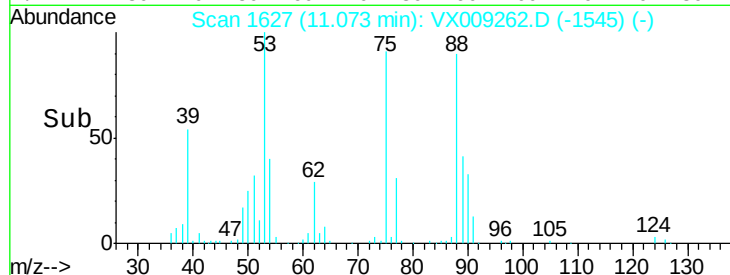
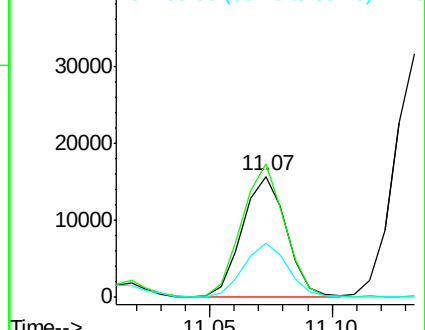
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Abundance Ion 75.00 (74.70 to 75.70): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 89.00 (88.70 to 89.70): VX0



#78

4-Chlorotoluene

Concen: 18.768 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009262.D

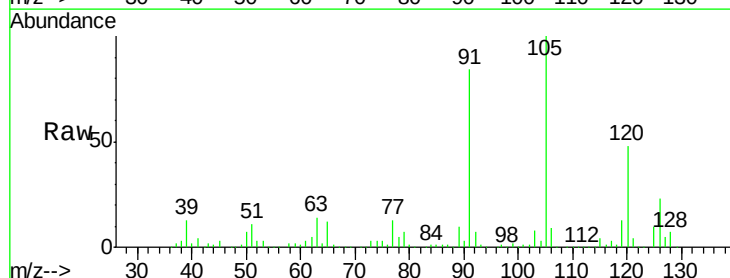
Acq: 01 May 2019 18:24

Tgt Ion: 91 Resp: 134693

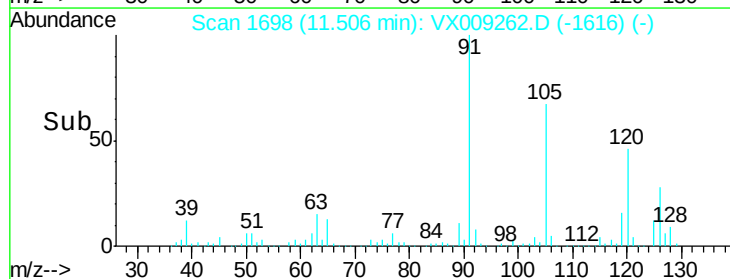
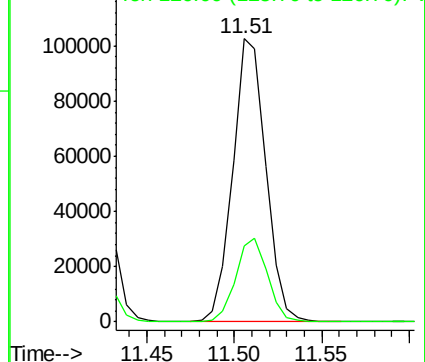
Ion Ratio Lower Upper

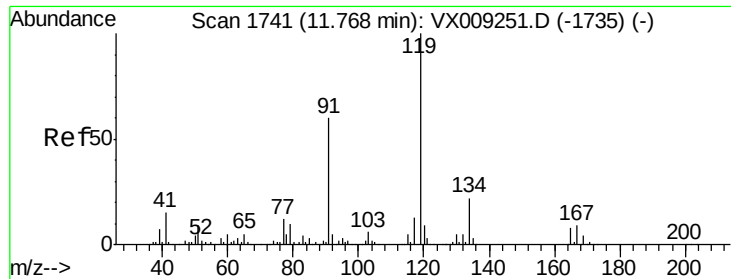
91 100

126 28.7 0.0 57.0



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 126.00 (125.70 to 126.70): V





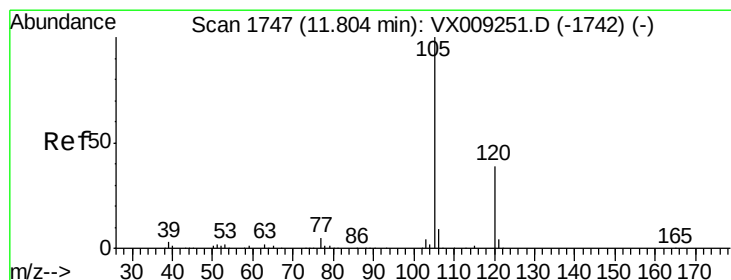
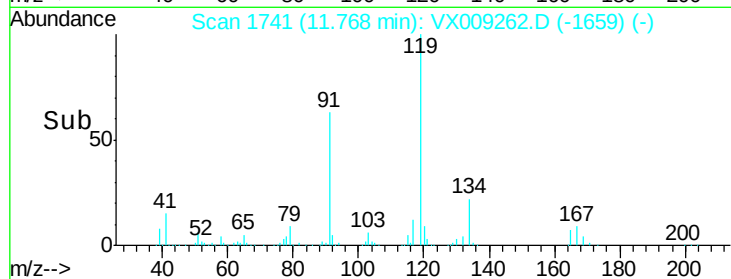
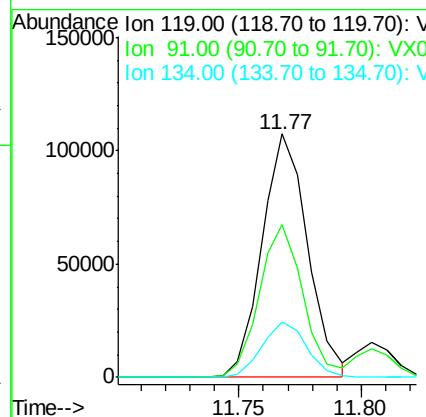
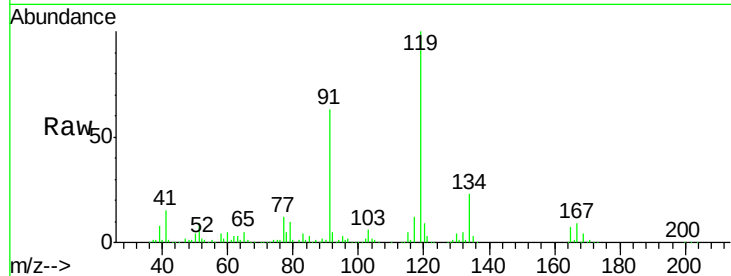
#79
tert-butylbenzene
Concen: 18.832 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX009262.D
Acq: 01 May 2019 18:24

Instrument :
MSVOA_X
ClientSampleId :
VX0501WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	140188		
91	60.1	0.0	118.2	
134	22.4	0.0	45.0	

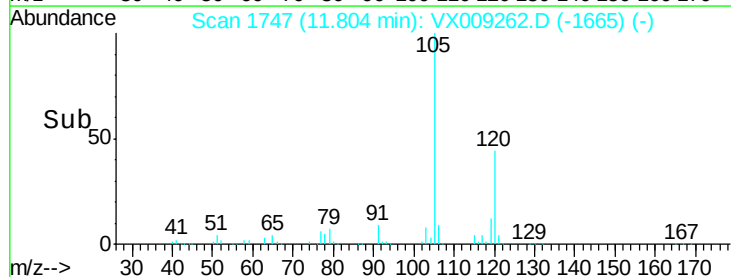
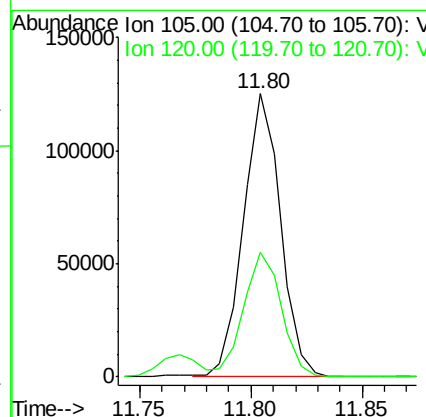
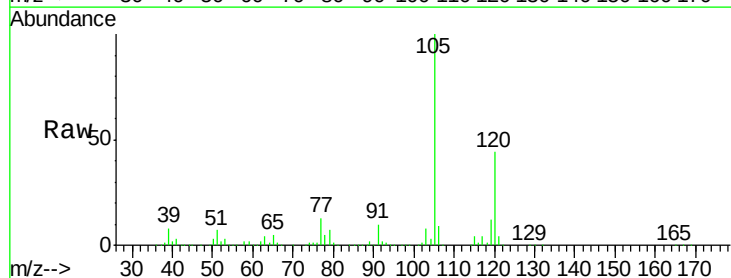
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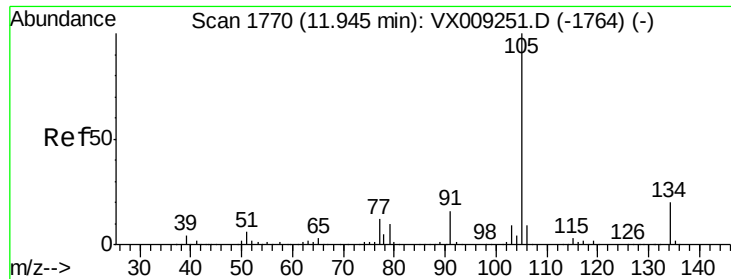
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#80
1,2,4-Trimethylbenzene
Concen: 18.930 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX009262.D
Acq: 01 May 2019 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	146104		
120	44.9	0.0	89.6	





#81

sec-Butylbenzene

Concen: 18.892 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBSD01

Tot Ion:105 Resp: 167089

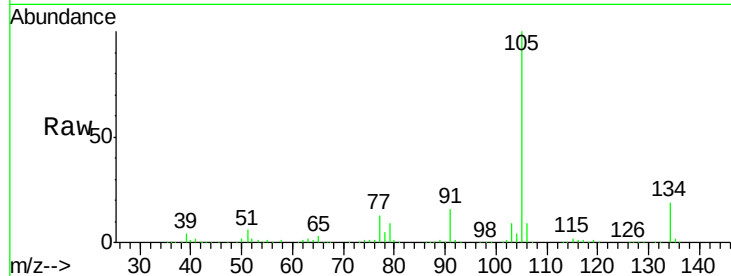
Ion Ratio Lower Upper

105 100

134 18.8 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

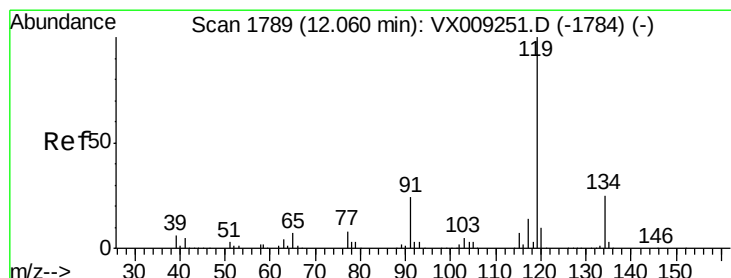
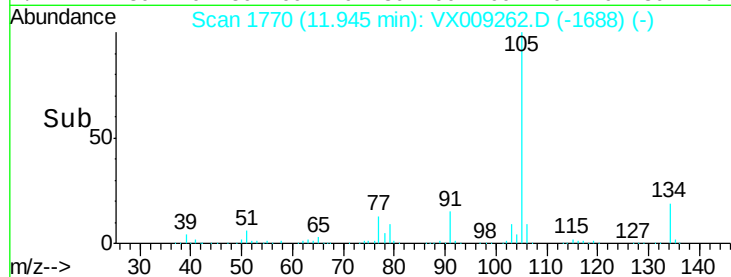
150000

100000

50000

0

Time-->



#82

p-Isopropyltoluene

Concen: 18.808 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

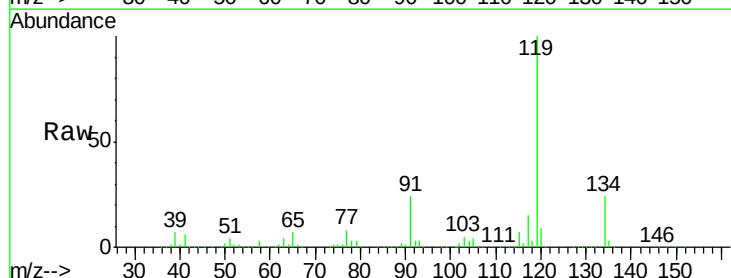
Tgt Ion:119 Resp: 151319

Ion Ratio Lower Upper

119 100

134 25.6 0.0 50.8

91 23.5 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

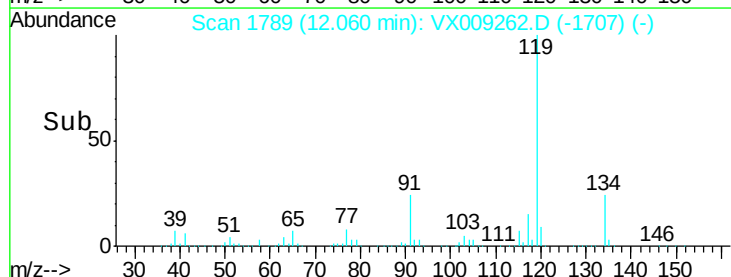
150000

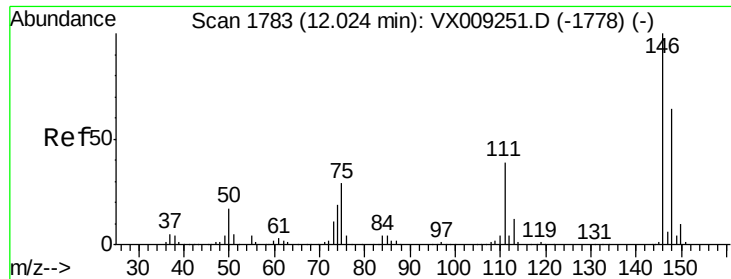
100000

50000

0

Time-->





#83

1,3-Dichlorobenzene

Concen: 18.488 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

Instrument :

MSVOA_X

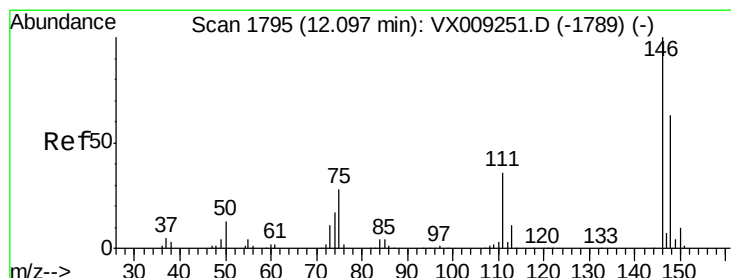
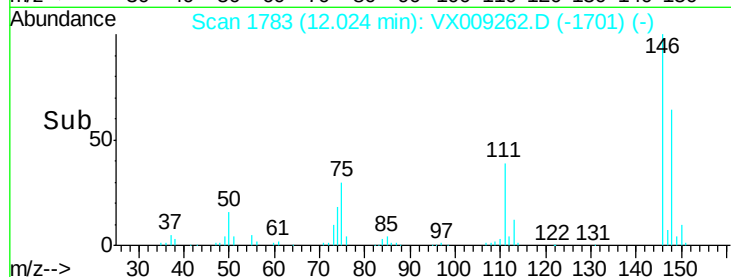
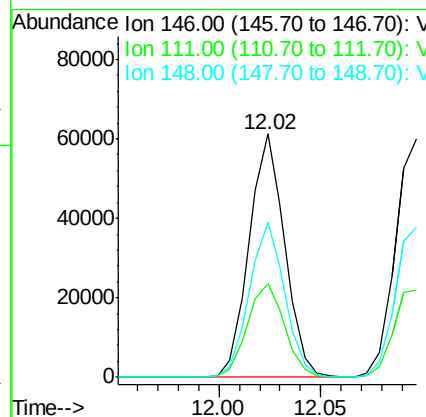
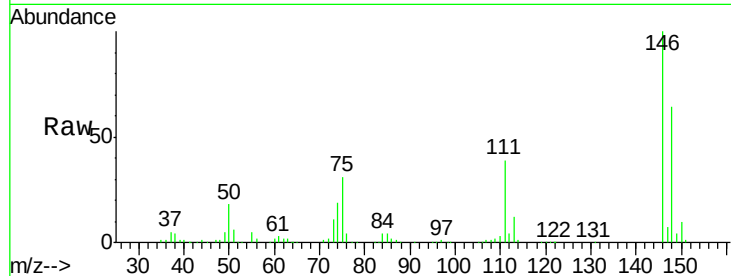
ClientSampled :

VX0501WBSD01

Tot Ion:	146	Resp:	74162
Ion Ratio	Lower	Upper	
146	100		
111	40.3	20.0	60.0
148	63.3	32.2	96.6

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#84

1,4-Dichlorobenzene

Concen: 18.392 ug/l

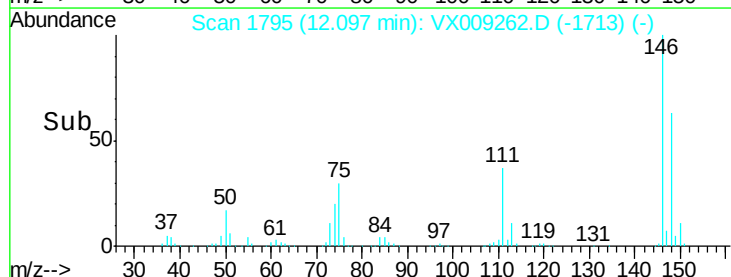
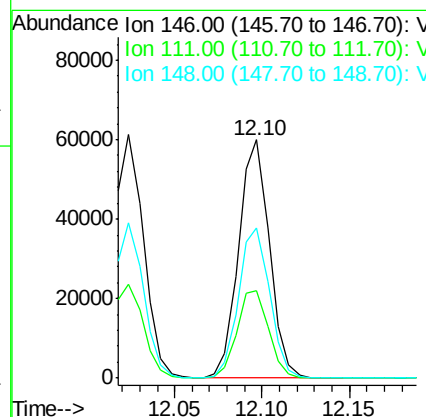
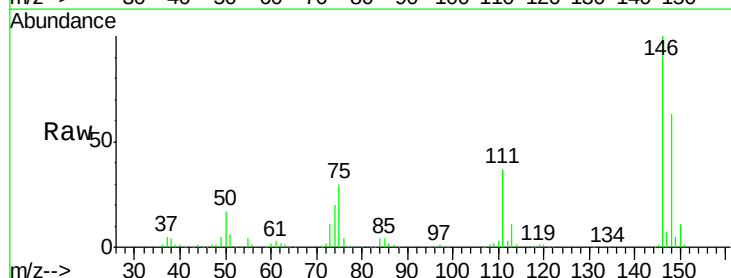
RT: 12.10 min Scan# 1795

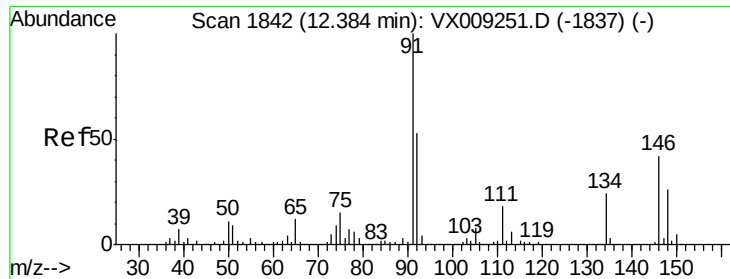
Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

Tgt Ion:	146	Resp:	73500
Ion Ratio	Lower	Upper	
146	100		
111	37.9	19.6	58.7
148	64.2	32.3	96.8





#85

n-Butylbenzene

Concen: 18.104 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBSD01

Tot Ion: 91 Resp: 133278

Ion Ratio Lower Upper

91 100

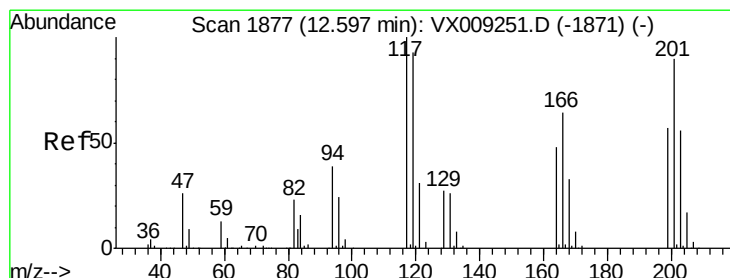
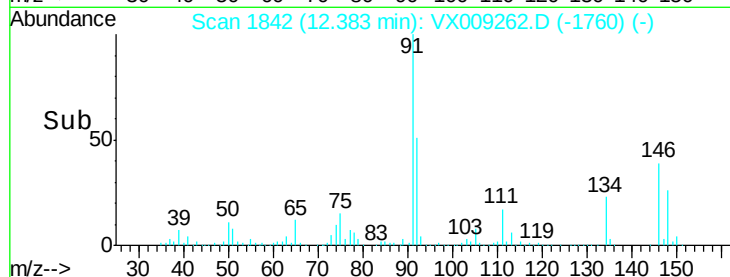
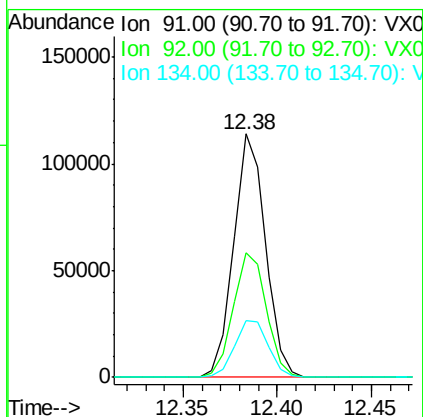
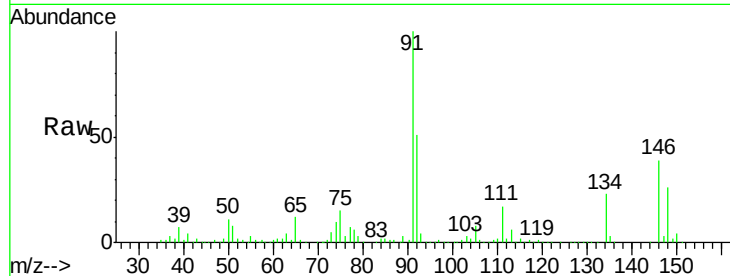
92 53.1 0.0 106.6

134 24.8 0.0 50.0

Manual Integrations
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#86

Hexachloroethane

Concen: 18.220 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX009262.D

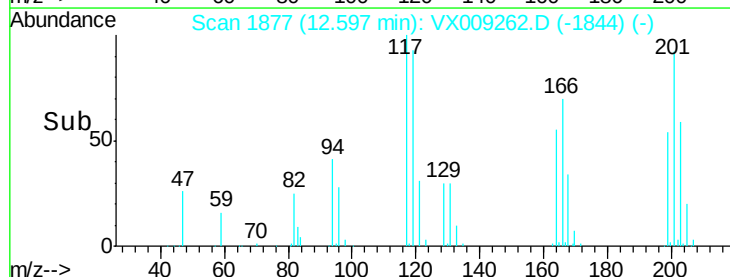
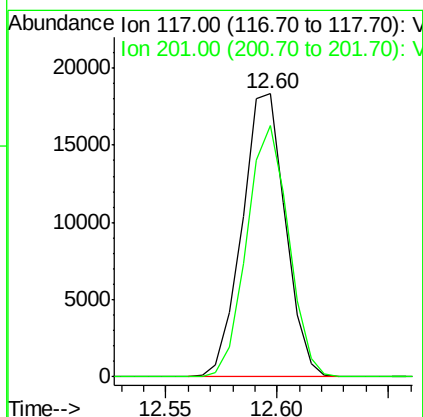
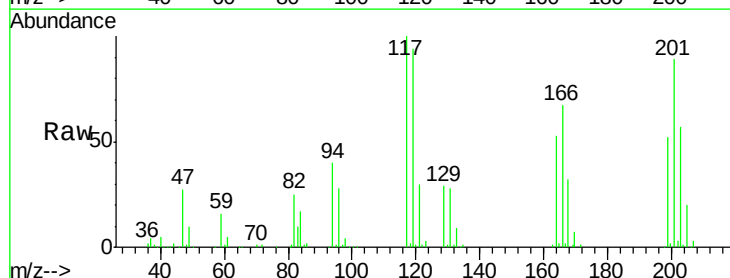
Acq: 01 May 2019 18:24

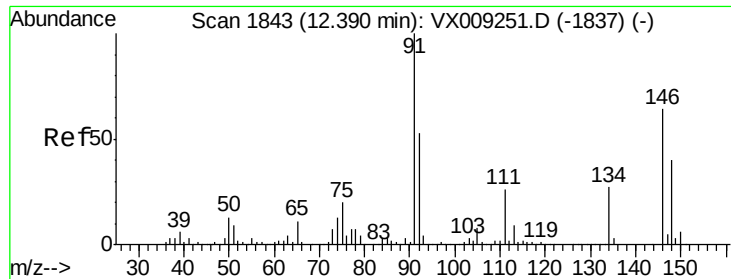
Tgt Ion: 117 Resp: 24944

Ion Ratio Lower Upper

117 100

201 85.1 41.8 125.4





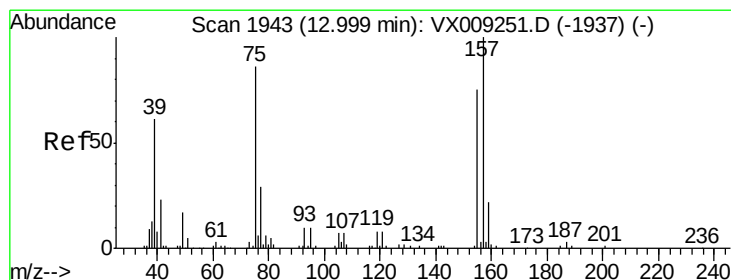
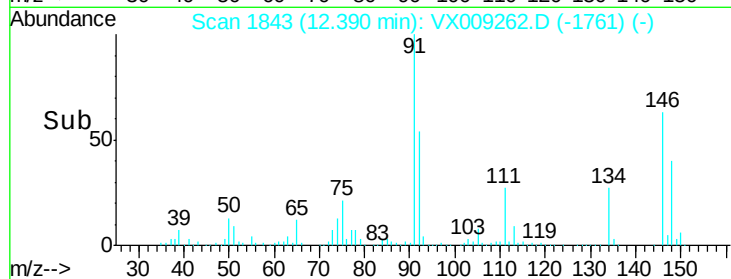
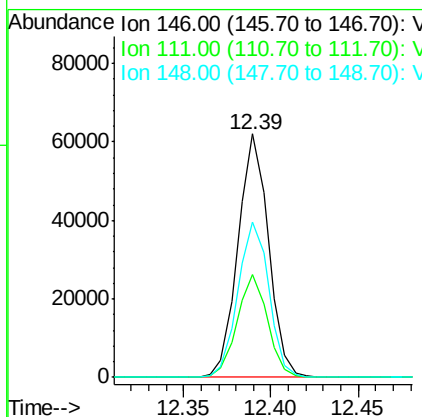
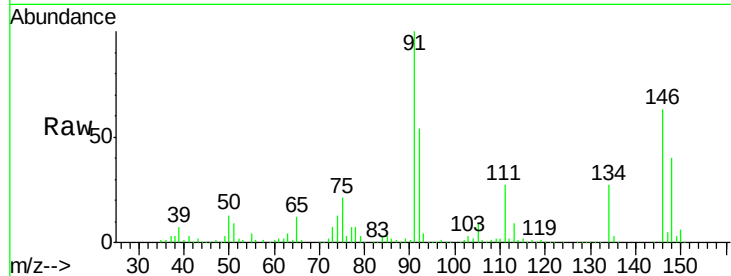
#87
 1,2-Dichlorobenzene
 Concen: 18.644 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009262.D
 Acq: 01 May 2019 18:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0501WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.8	62.2
148	65.0	31.4	94.3

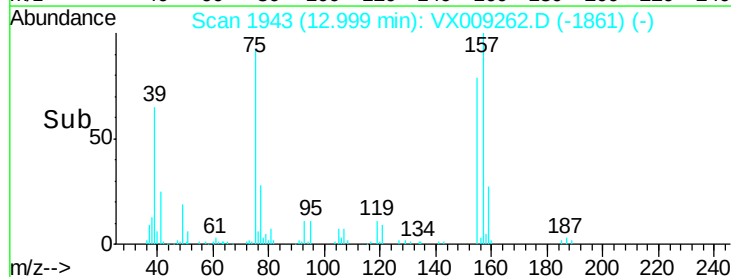
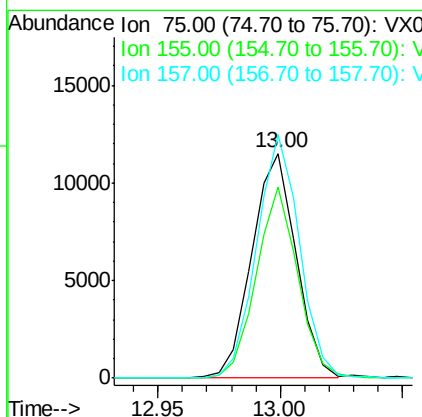
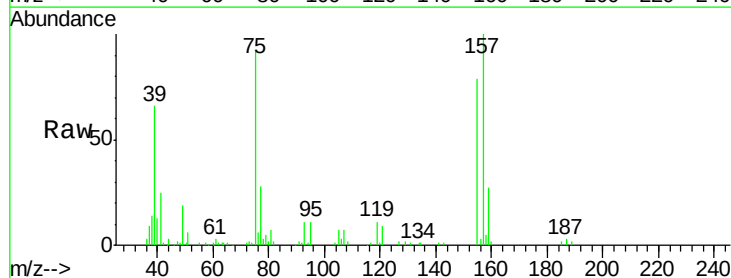
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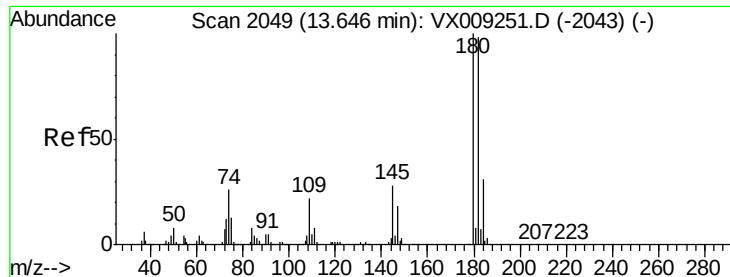
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.784 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009262.D
 Acq: 01 May 2019 18:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.9	65.9	98.9
157	105.0	85.2	127.8





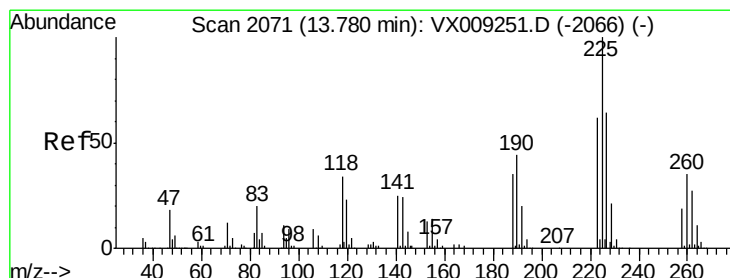
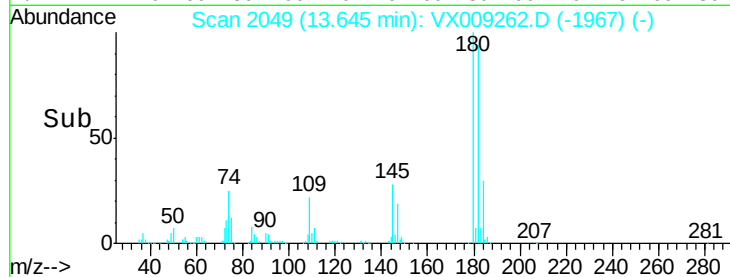
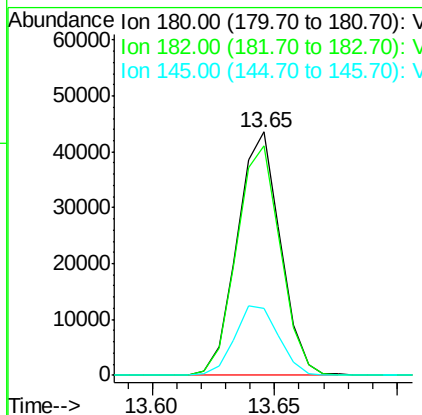
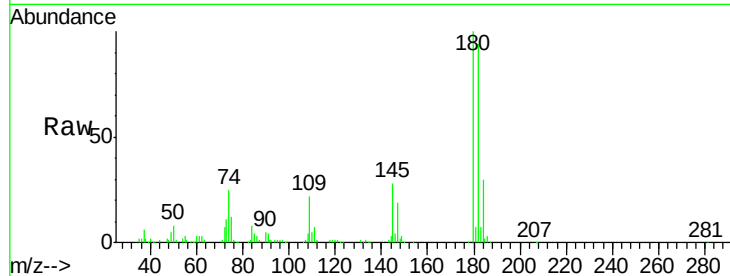
#89
 1,2,4-Trichlorobenzene
 Concen: 18.517 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009262.D
 Acq: 01 May 2019 18:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0501WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	53292		
182	96.1	76.9	115.3	
145	29.4	23.0	34.6	

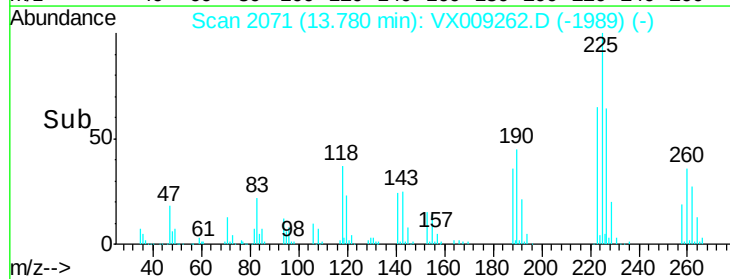
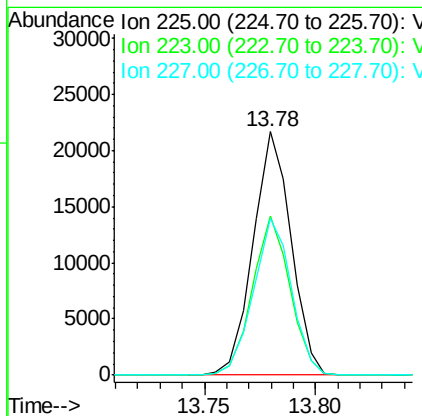
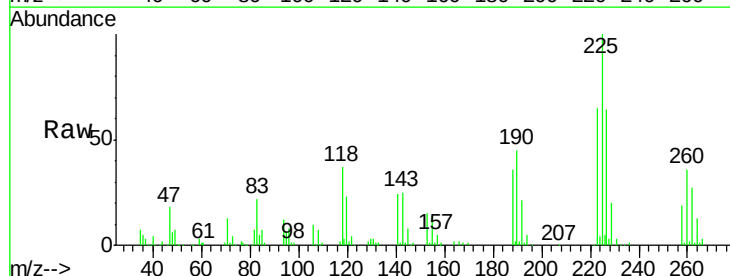
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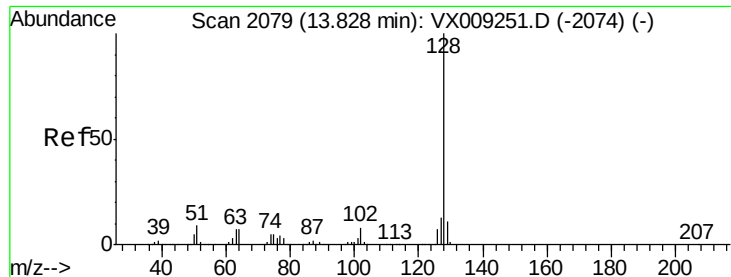
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#90
 Hexachlorobutadiene
 Concen: 17.948 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009262.D
 Acq: 01 May 2019 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	25802		
223	64.6	0.0	126.6	
227	64.4	0.0	130.0	





#91

Naphthalene

Concen: 19.533 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

Instrument :

MSVOA_X

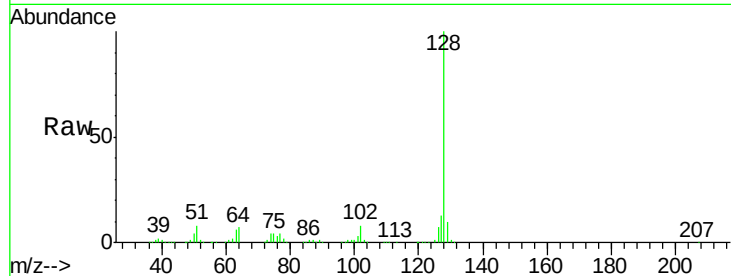
ClientSampleId :

VX0501WBSD01

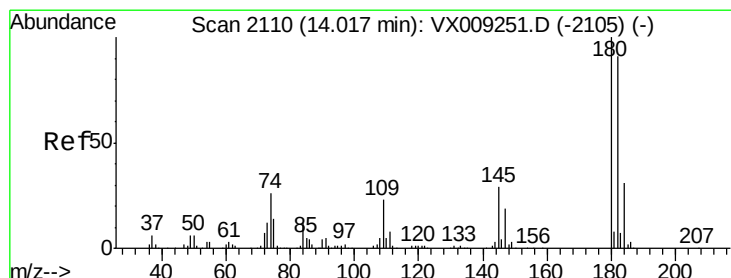
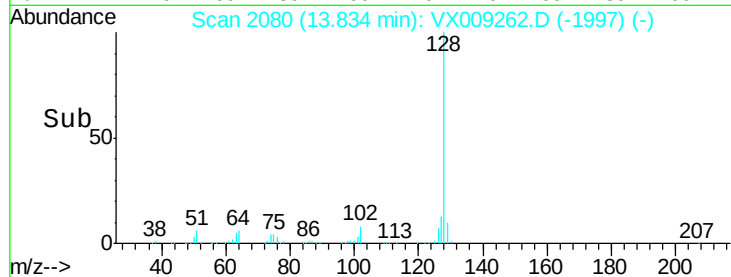
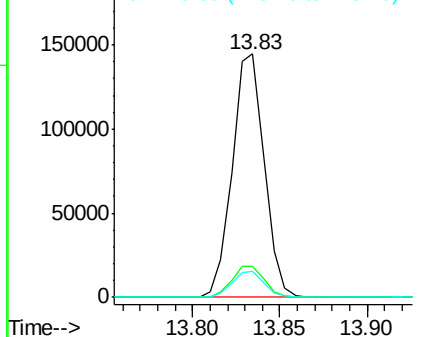
Tot Ion:	128	Resp:	184061
Ion Ratio		Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.6	8.7	13.1

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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 18.983 ug/l

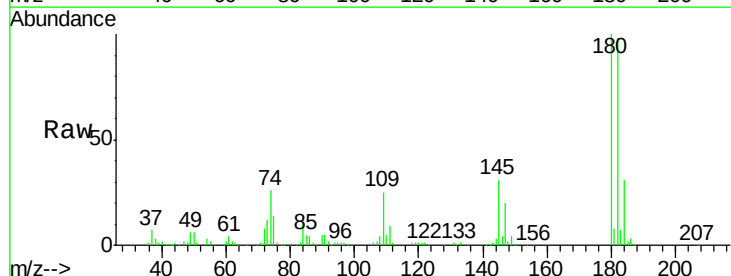
RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX009262.D

Acq: 01 May 2019 18:24

Tgt Ion:	180	Resp:	55534
Ion Ratio		Lower	Upper
180	100		
182	95.5	0.0	189.0
145	30.9	0.0	61.6



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

