

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051019\
 Data File : VX009479.D
 Acq On : 10 May 2019 13:37
 Operator : JC/SP
 Sample : VX0510WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0510WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/11/2019 11:52:05 AM

Quant Time: May 11 03:25:12 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	5.02	128	28046	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	160673	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	142602	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	68489	29.44	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.13%
60) 4-Bromofluorobenzene	11.13	95	72569	29.95	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.83%
63) Toluene-d8	8.71	98	203854	30.15	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	29088	19.519 ug/l	96
3) Chloromethane	1.32	50	43298	21.615 ug/l	100
4) Vinyl Chloride	1.41	62	42917	21.476 ug/l	99
5) Bromomethane	1.64	94	24088	19.016 ug/l	98
6) Chloroethane	1.72	64	28296	21.591 ug/l	99
7) Trichlorofluoromethane	1.93	101	53262	21.584 ug/l	98
8) Diethyl Ether	2.19	74	24007	20.952 ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.38	101	31809	20.820 ug/l	99
10) 1,1-Dichloroethene	2.37	96	33315	21.717 ug/l	95
11) Methyl Iodide	2.51	142	32246	19.337 ug/l	99
12) Methyl Acetate	2.78	43	56444	19.535 ug/l	96
13) Acrolein	2.29	56	42160	106.385 ug/l	100
14) Acrylonitrile	3.14	53	133812	106.712 ug/l	99
15) Acetone	2.44	58	36357	100.985 ug/l	100
16) Carbon Disulfide	2.57	76	92804	22.359 ug/l	100
17) Allyl chloride	2.73	41	77430	21.025 ug/l	99
18) Methylene Chloride	2.85	84	39900	21.522 ug/l	98
19) trans-1,2-Dichloroethene	3.17	96	35301	21.583 ug/l	93
20) Diisopropyl ether	3.85	45	154517	21.305 ug/l	95
21) 1,1-Dichloroethane	3.70	63	74326	21.177 ug/l	99
22) cis-1,2-Dichloroethene	4.59	96	42099	21.368 ug/l	100
23) tert-Butyl Alcohol	3.04	59	51815	97.723 ug/l	# 100
24) Methyl tert-Butyl Ether	3.20	73	127242	21.195 ug/l	99
25) Chloroform	5.21	83	70530	22.021 ug/l	99
26) Cyclohexane	5.58	56	71463	21.847 ug/l	# 97
29) 1,1-Dichloropropene	5.80	75	51425	21.813 ug/l	99
30) 2-Butanone	4.67	43	195804	106.049 ug/l	100
31) 2,2-Dichloropropane	4.59	77	51756	19.913 ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	56162	21.974 ug/l	97
33) Carbon Tetrachloride	5.79	117	46827	21.898 ug/l	99
34) Benzene	6.14	78	162317	22.332 ug/l	99
35) Methacrylonitrile	5.04	41	41403	21.433 ug/l	96
36) 1,2-Dichloroethane	6.19	62	58656	22.240 ug/l	99
37) Trichloroethene	7.21	130	37990	21.712 ug/l	96
38) Methylcyclohexane	7.46	83	63281	21.725 ug/l	100
39) 1,2-Dichloropropane	7.51	63	44929	21.707 ug/l	97
40) Dibromomethane	7.66	93	25809	21.969 ug/l	96

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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)
41) Bromodichloromethane	7.90	83	51710	21.549	ug/l	92
42) Vinyl Acetate	3.81	43	681250	111.794	ug/l	100
43) Ethyl Acetate	4.83	43	74727	22.398	ug/l	98
44) Isopropyl Acetate	6.45	43	116439	21.544	ug/l	99
45) 1,4-Dioxane	7.74	88	21075	397.161	ug/l	99
46) Methyl methacrylate	7.77	41	58002	21.501	ug/l	99
47) n-amyl Acetate	10.90	43	103493	21.256	ug/l	100
48) t-1,3-Dichloropropene	9.04	75	58998	21.072	ug/l	97
49) cis-1,3-Dichloropropene	8.43	75	65100	21.180	ug/l	100
50) 1,1,2-Trichloroethane	9.21	97	40040	22.246	ug/l	98
51) Ethyl methacrylate	9.18	69	71442	21.480	ug/l	99
52) 1,3-Dichloropropane	9.37	76	70143	21.959	ug/l	100
53) Dibromochloromethane	9.58	129	38788	21.639	ug/l	98
54) 1,2-Dibromoethane	9.67	107	40381	21.876	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	161472	91.106	ug/l	99
56) Bromoform	10.85	173	28508	20.718	ug/l	100
58) 4-Methyl-2-Pentanone	8.64	43	383045	109.241	ug/l	100
59) 2-Hexanone	9.49	43	293230	106.620	ug/l	99
61) Tetrachloroethene	9.33	164	34584	22.000	ug/l	97
62) Toluene	8.79	91	170650	22.395	ug/l	100
64) Chlorobenzene	10.14	112	101363	22.103	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.22	131	36675	21.841	ug/l	99
66) Ethyl Benzene	10.25	91	187746	22.117	ug/l	100
67) m/p-Xylenes	10.36	106	137659	44.416	ug/l	98
68) o-Xylene	10.69	106	66702	21.887	ug/l	99
69) Styrene	10.71	104	114821	21.463	ug/l	99
70) Isopropylbenzene	11.02	105	179719	21.928	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	65011	21.659	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	55470m	21.445	ug/l	
73) Bromobenzene	11.26	156	44065	21.760	ug/l	99
74) n-propylbenzene	11.36	91	204083	21.488	ug/l	100
75) 2-Chlorotoluene	11.42	91	121449	21.319	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	150735	21.712	ug/l	98
77) t-1,4-Dichloro-2-butene	11.07	75	20539	19.685	ug/l	96
78) 4-Chlorotoluene	11.51	91	139127	21.503	ug/l	100
79) tert-butylbenzene	11.77	119	145191	21.633	ug/l	100
80) 1,2,4-Trimethylbenzene	11.80	105	149507	21.486	ug/l	99
81) sec-Butylbenzene	11.94	105	170651	21.401	ug/l	99
82) p-Isopropyltoluene	12.06	119	155830	21.484	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	76733	21.218	ug/l	100
84) 1,4-Dichlorobenzene	12.10	146	76210	21.152	ug/l	99
85) n-Butylbenzene	12.38	91	135126	20.359	ug/l	100
86) Hexachloroethane	12.60	117	25258	20.464	ug/l	96
87) 1,2-Dichlorobenzene	12.39	146	78203	21.482	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	15022	21.537	ug/l	99
89) 1,2,4-Trichlorobenzene	13.65	180	53835	20.748	ug/l	99
90) Hexachlorobutadiene	13.78	225	27647	21.331	ug/l	99
91) Naphthalene	13.83	128	184504	21.718	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	56184	21.302	ug/l	99

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ClientSampleId :
VX0510WBSD01

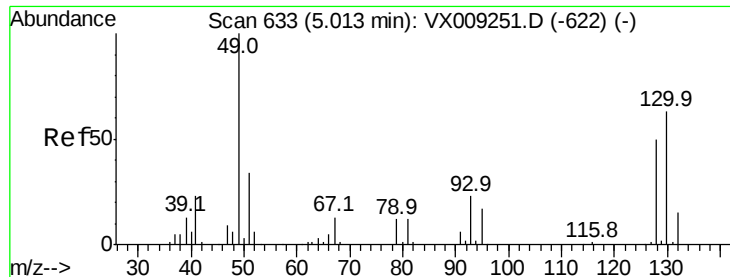
Manual Integrations
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QLast Update : Thu May 02 06:46:57 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. 0.01 min

Lab File: VX009479.D

Acq: 10 May 2019 13:37

Instrument :

MSVOA_X

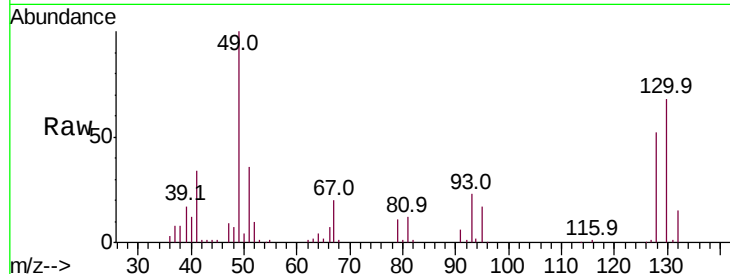
ClientSampleId :

VX0510WBSD01

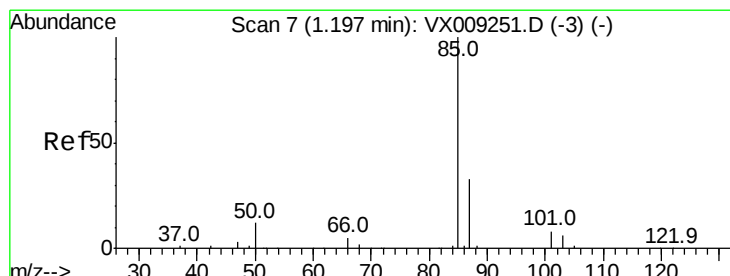
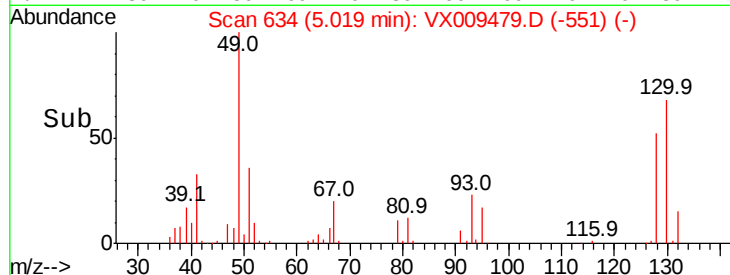
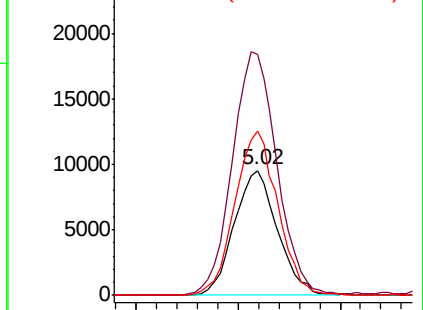
Tot Ion:128 Resp: 28046
 Ion Ratio Lower Upper
 128 100
 49 201.0 0.0 515.0
 130 130.2 0.0 323.3

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Abundance Ion 128.00 (127.70 to 128.70): V
 25000 Ion 49.00 (48.70 to 49.70): VX0
 20000 Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 19.519 ug/l

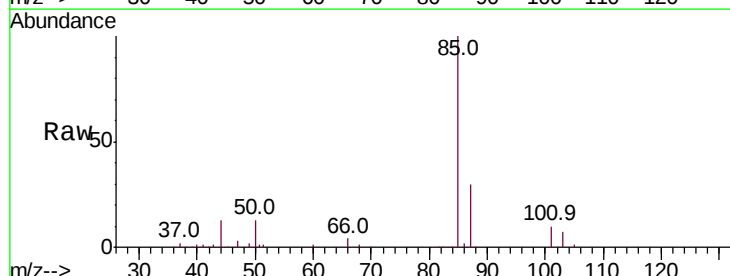
RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

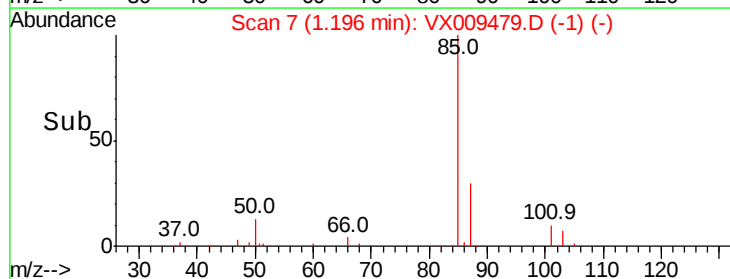
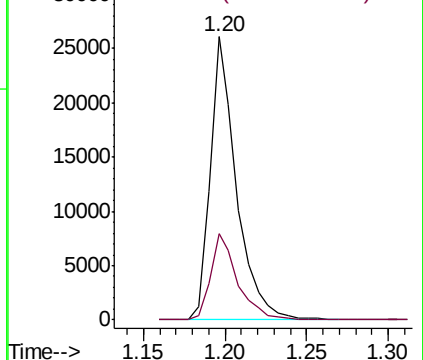
Lab File: VX009479.D

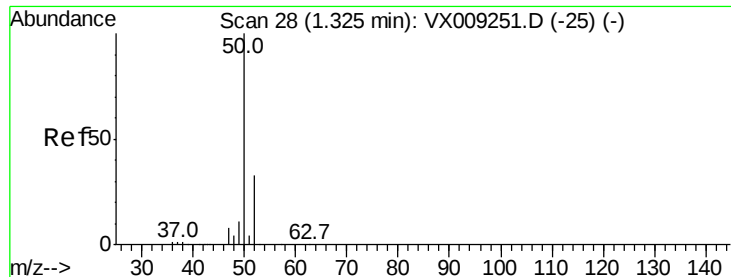
Acq: 10 May 2019 13:37

Tgt Ion: 85 Resp: 29088
 Ion Ratio Lower Upper
 85 100
 87 30.5 16.3 48.9



Abundance Ion 85.00 (84.70 to 85.70): VX0
 30000 Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 21.615 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009479.D

Acq: 10 May 2019 13:37

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBSD01

Tot Ion: 50 Resp: 43298

Ion Ratio Lower Upper

50 100

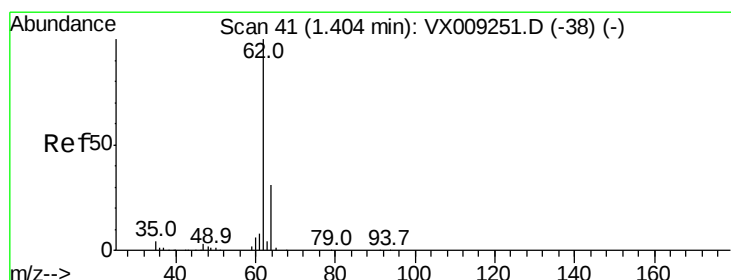
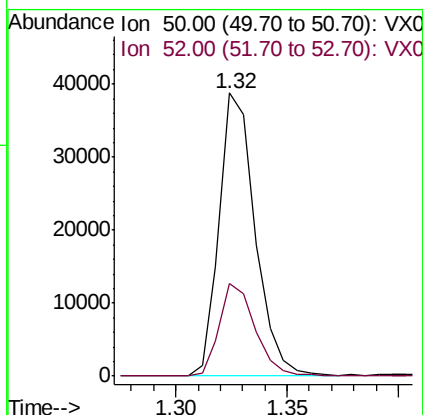
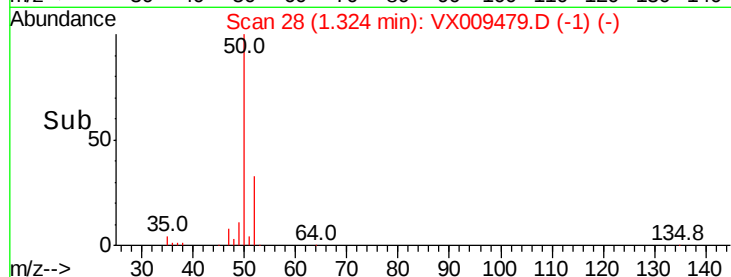
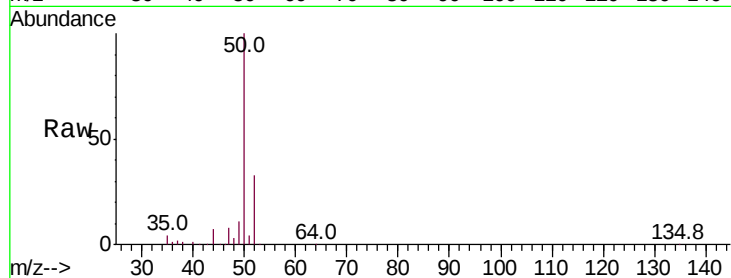
52 32.9 26.3 39.5

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#4

Vinyl Chloride

Concen: 21.476 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX009479.D

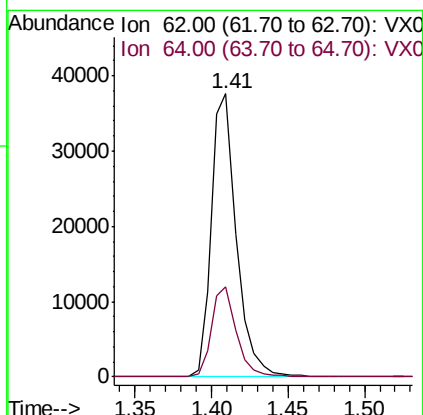
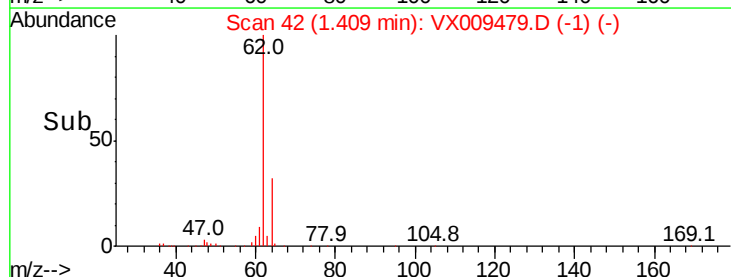
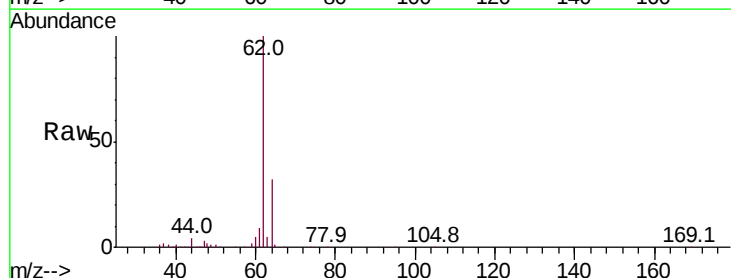
Acq: 10 May 2019 13:37

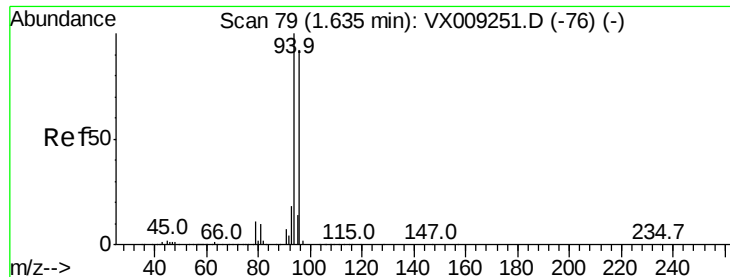
Tgt Ion: 62 Resp: 42917

Ion Ratio Lower Upper

62 100

64 31.4 24.6 36.8





#5

Bromomethane

Concen: 19.016 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009479.D

Acq: 10 May 2019 13:37

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBSD01

Tot Ion: 94 Resp: 24088

Ion Ratio Lower Upper

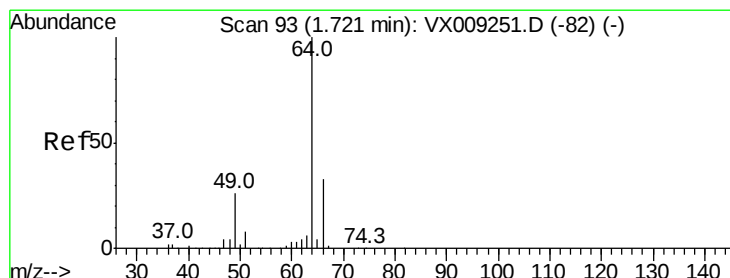
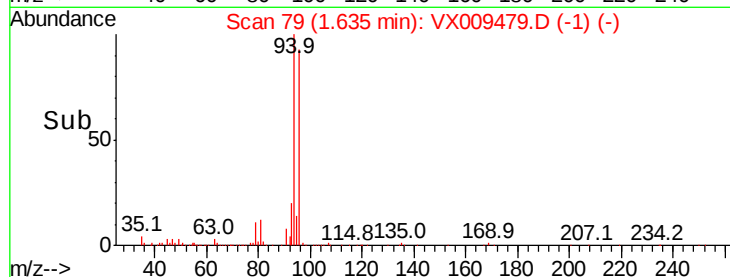
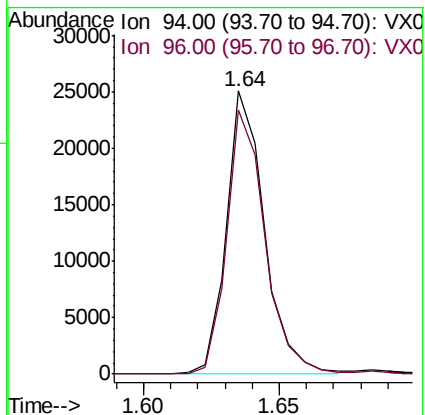
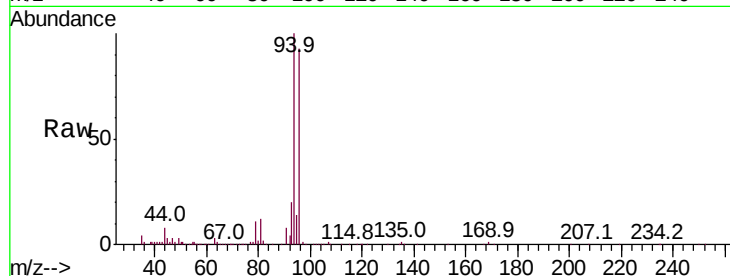
94 100

96 93.6 73.5 110.3

Manual Integrations
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#6

Chloroethane

Concen: 21.591 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX009479.D

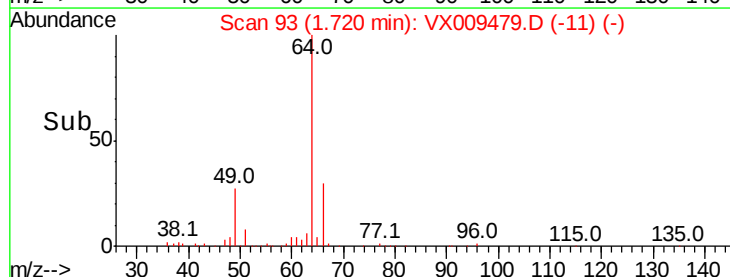
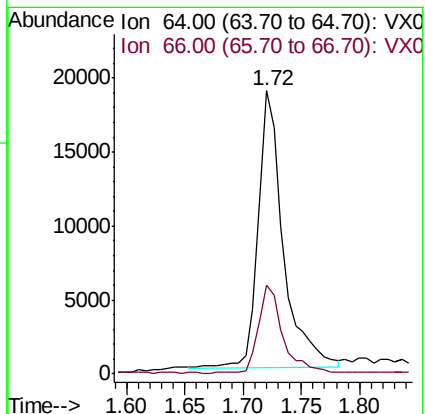
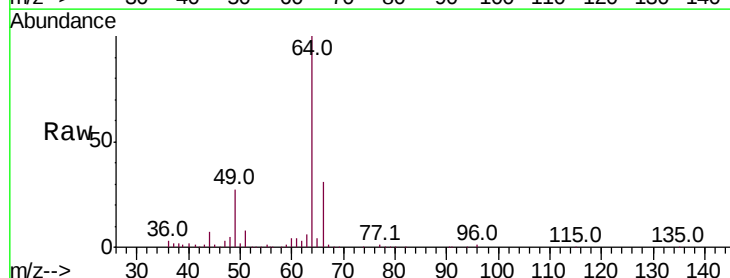
Acq: 10 May 2019 13:37

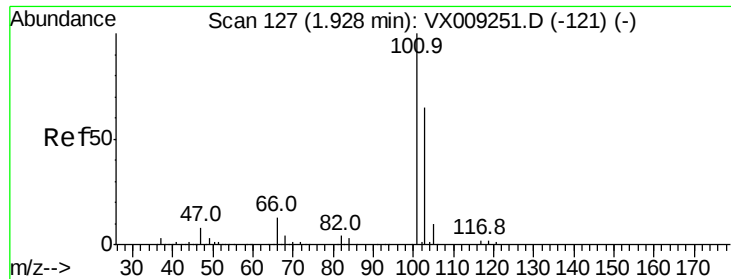
Tgt Ion: 64 Resp: 28296

Ion Ratio Lower Upper

64 100

66 31.6 25.9 38.9





#7

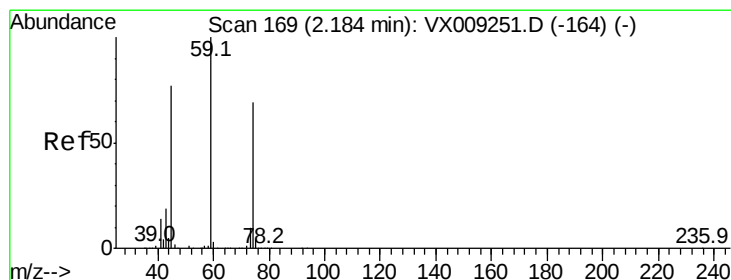
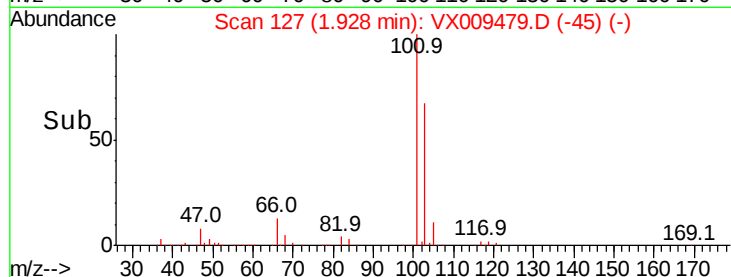
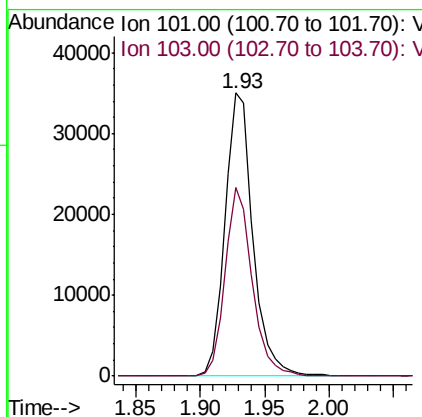
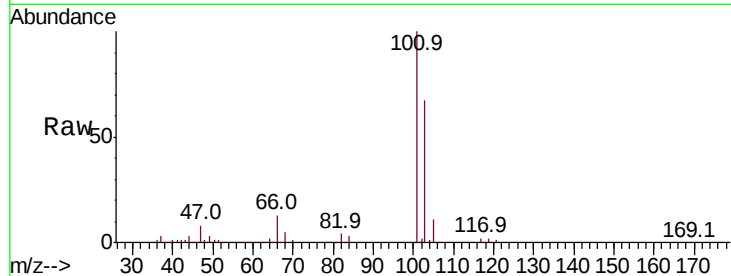
Trichlorofluoromethane
Concen: 21.584 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX009479.D
Acq: 10 May 2019 13:37

Instrument :
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ClientSampleId :
VX0510WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.6	51.9	77.9

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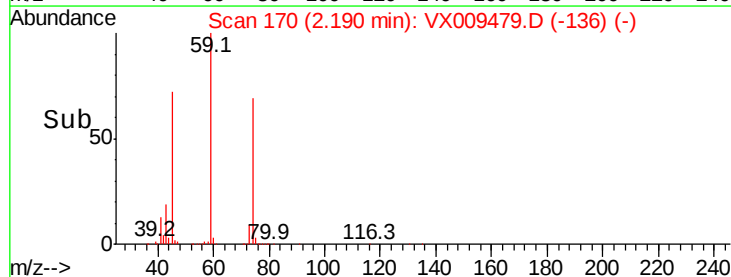
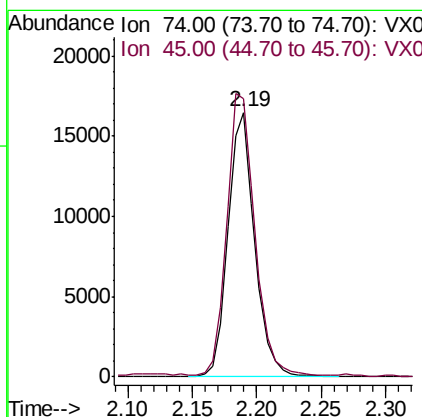
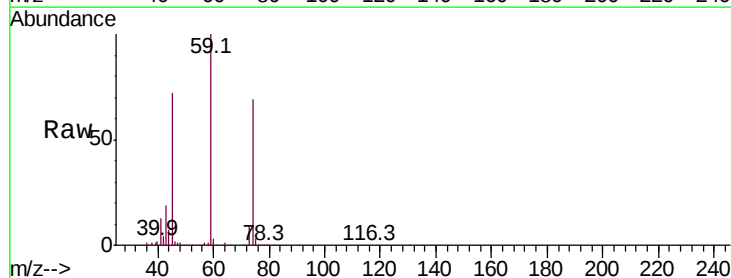
MMDadoda
5/11/2019 11:52:05 AM

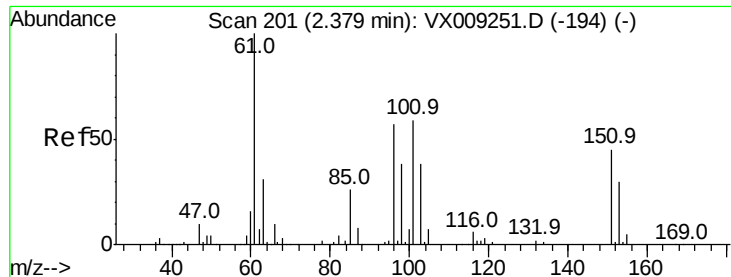


#8

Diethyl Ether
Concen: 20.952 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX009479.D
Acq: 10 May 2019 13:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	113.1	21.5	193.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.820 ug/l

RT: 2.38 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX009479.D

Acq: 10 May 2019 13:37

Instrument :

MSVOA_X

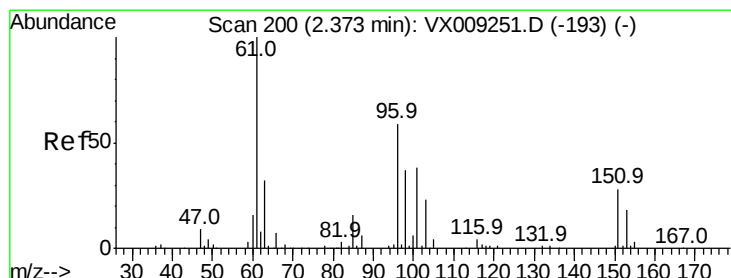
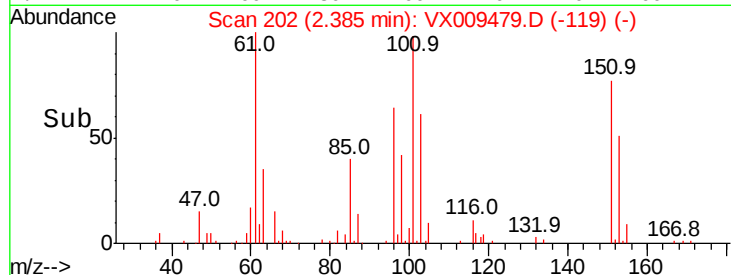
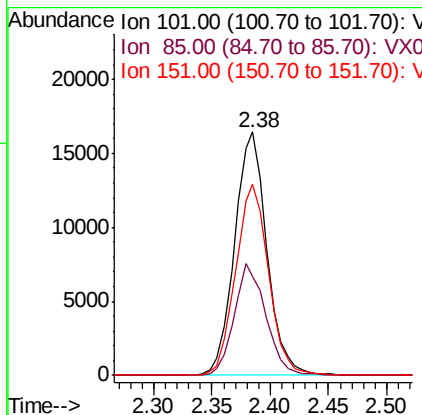
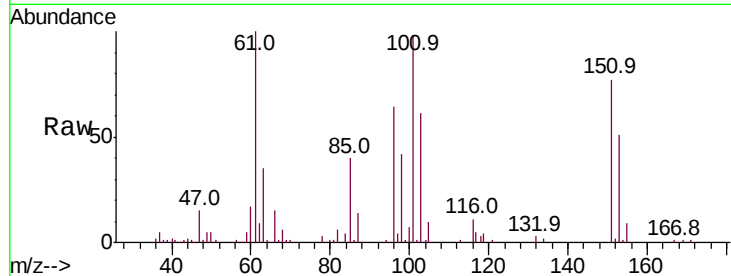
ClientSampleId :

VX0510WBSD01

Tot Ion:	101	Resp:	31809
Ion Ratio	Lower	Upper	
101	100		
85	44.6	0.0	87.4
151	79.6	0.0	157.0

Manual Integrations
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5/11/2019 11:52:05 AM



#10

1,1-Dichloroethene

Concen: 21.717 ug/l

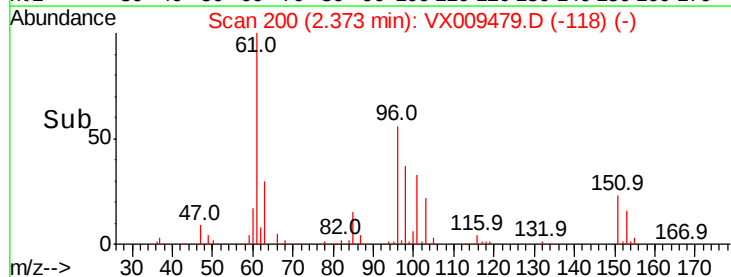
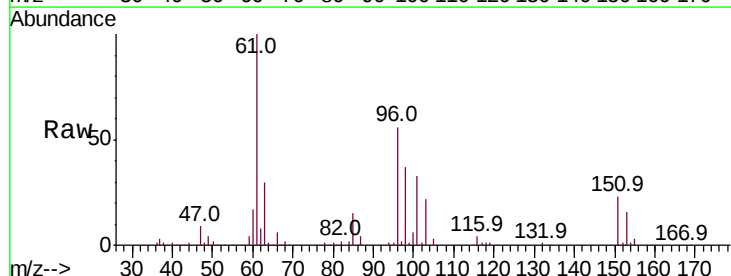
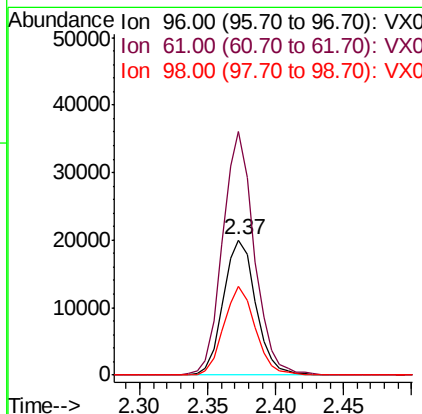
RT: 2.37 min Scan# 200

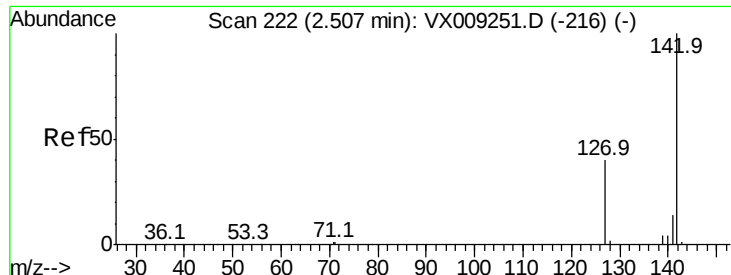
Delta R.T. -0.00 min

Lab File: VX009479.D

Acq: 10 May 2019 13:37

Tgt Ion:	96	Resp:	33315
Ion Ratio	Lower	Upper	
96	100		
61	179.2	136.5	204.7
98	65.7	51.0	76.4





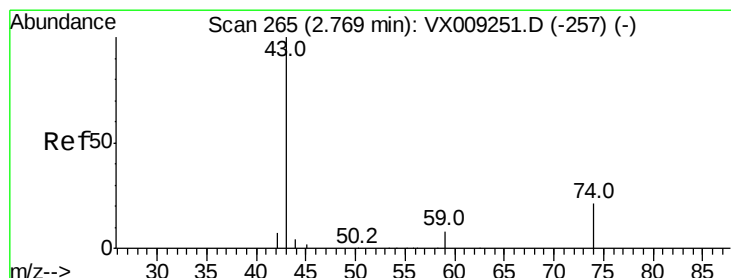
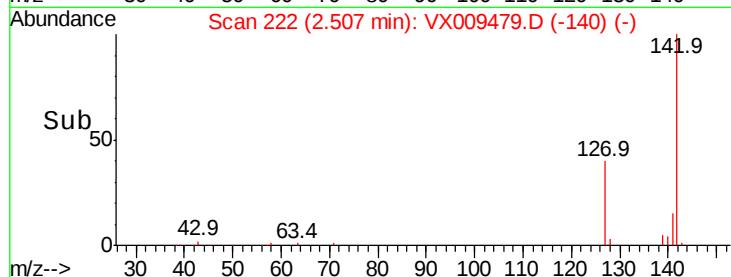
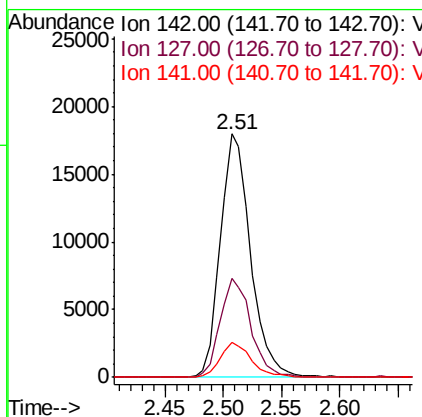
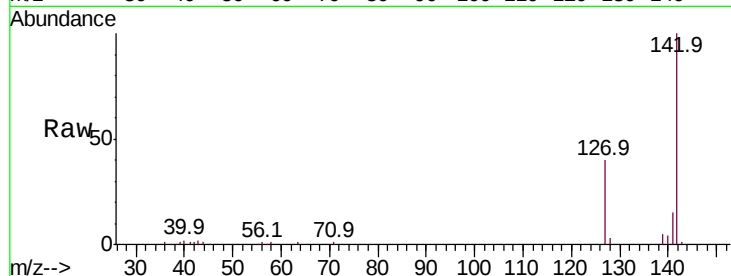
#11
Methvl Iodide
Concen: 19.337 ug/l
RT: 2.51 min Scan# 222
Delta R.T. -0.00 min
Lab File: VX009479.D
Acq: 10 May 2019 13:37

Instrument :
MSVOA_X
ClientSampleId :
VX0510WBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	40.3	20.2	60.5
141	14.6	6.9	20.7

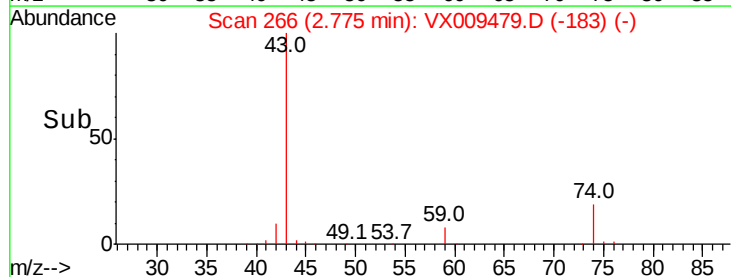
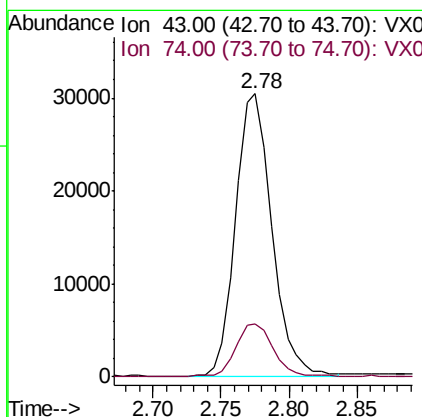
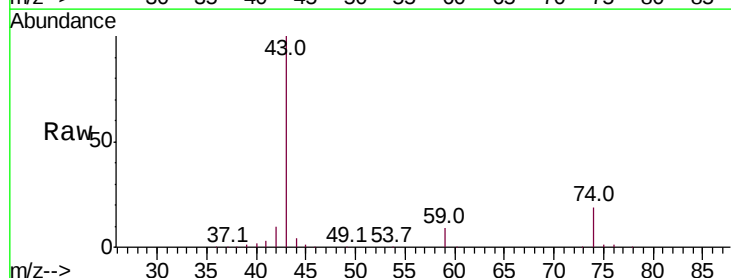
Manual Integrations
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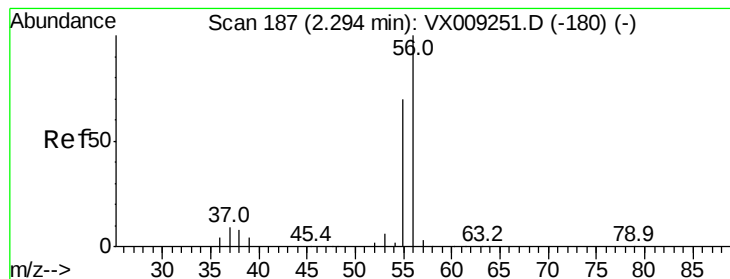
MMDadoda
5/11/2019 11:52:05 AM



#12
Methyl Acetate
Concen: 19.535 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX009479.D
Acq: 10 May 2019 13:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	18.7	16.5	24.7





#13

Acrolein

Concen: 106.385 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009479.D

Acq: 10 May 2019 13:37

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBSD01

Tot Ion: 56 Resp: 42160

Ion Ratio Lower Upper

56 100

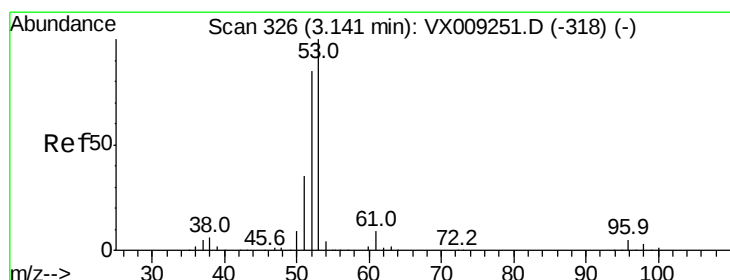
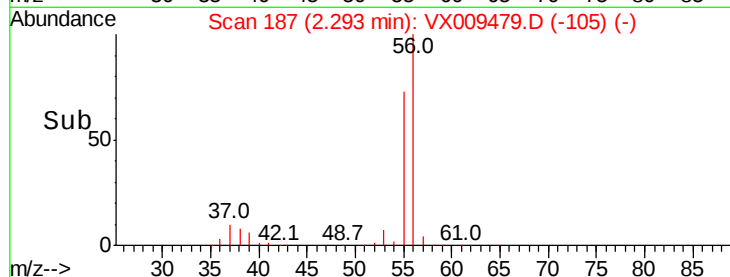
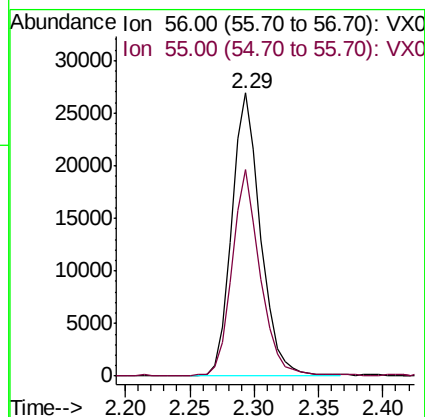
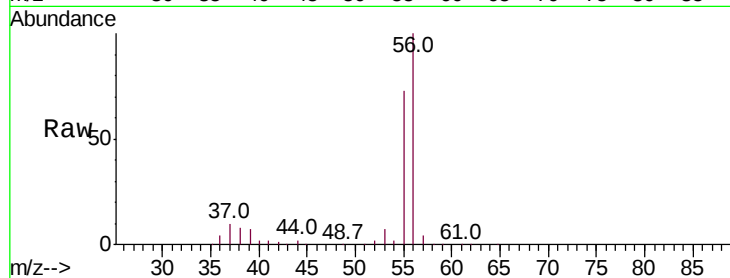
55 71.1 56.9 85.3

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#14

Acrylonitrile

Concen: 106.712 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009479.D

Acq: 10 May 2019 13:37

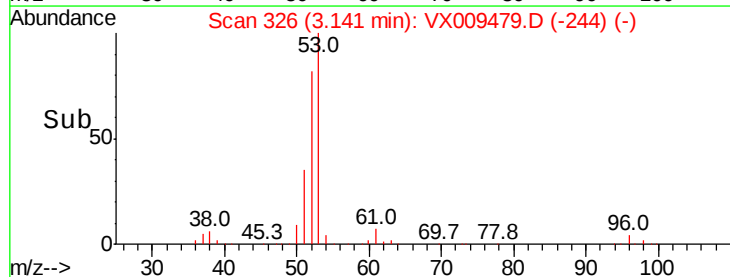
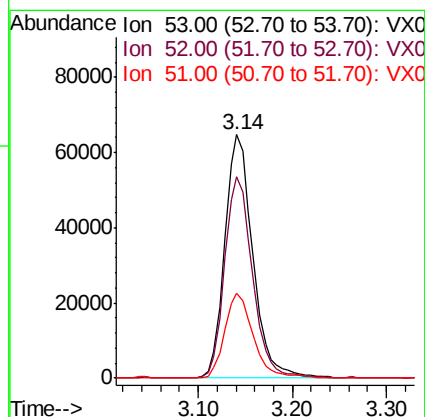
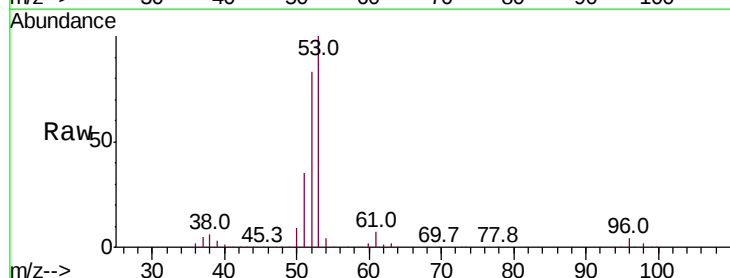
Tgt Ion: 53 Resp: 133812

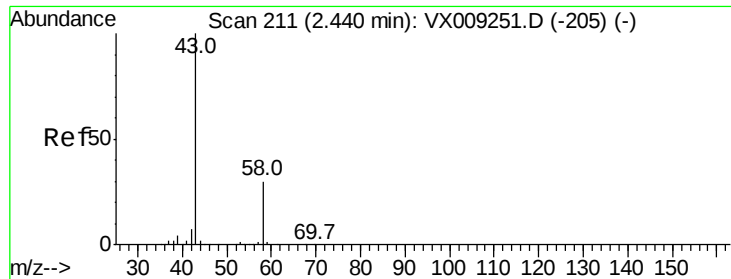
Ion Ratio Lower Upper

53 100

52 82.3 41.5 124.5

51 35.7 17.8 53.3





#15

Acetone

Concen: 100.985 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX009479.D

Acq: 10 May 2019 13:37

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBSD01

Tot Ion: 58 Resp: 36357

Ion Ratio Lower Upper

58 100

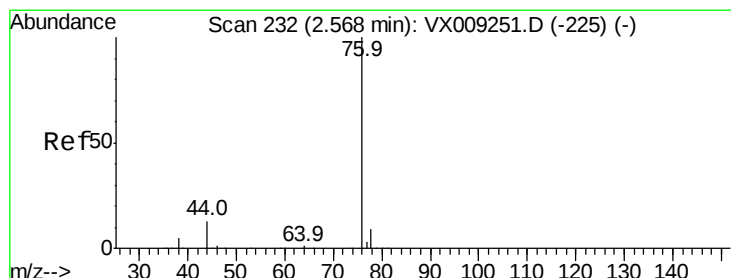
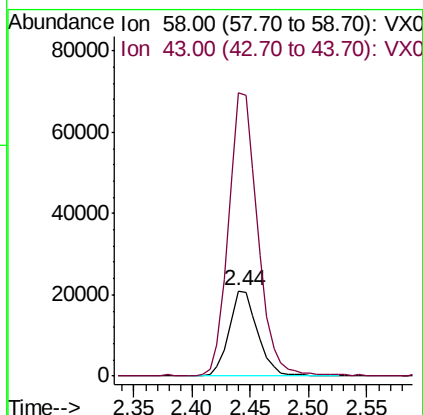
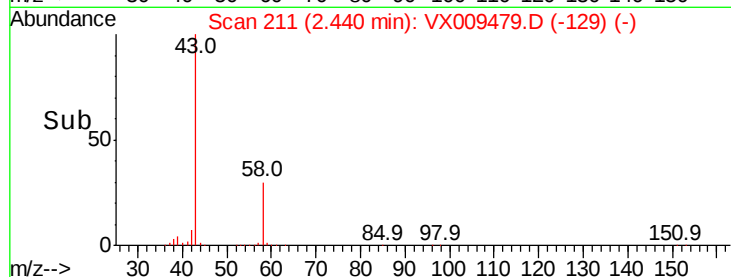
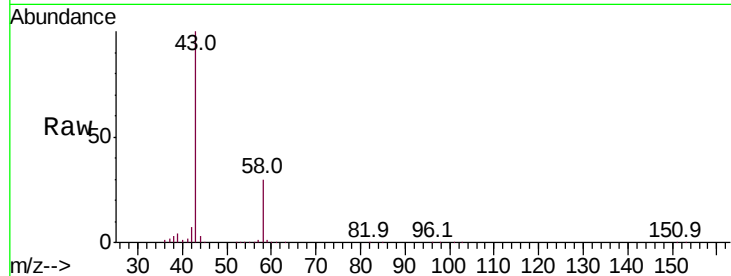
43 330.2 264.0 396.0

Manual Integrations

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#16

Carbon Disulfide

Concen: 22.359 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX009479.D

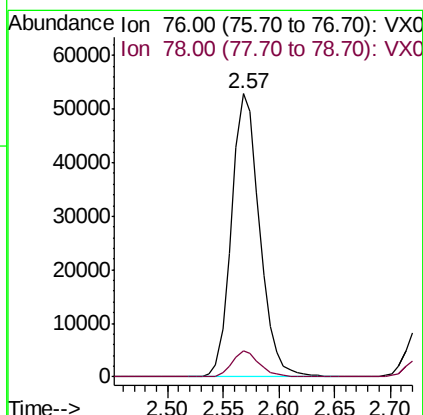
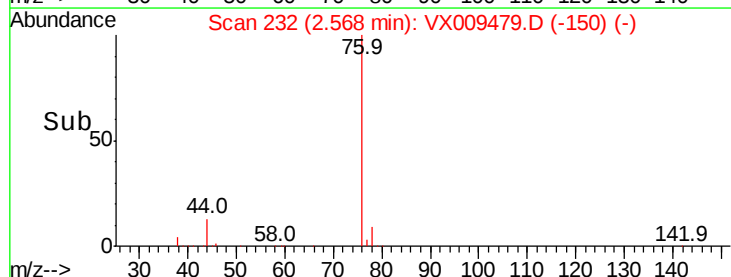
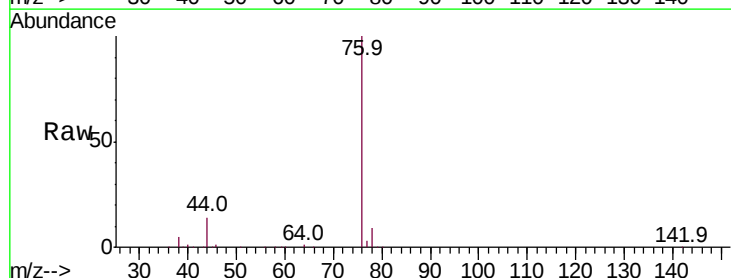
Acq: 10 May 2019 13:37

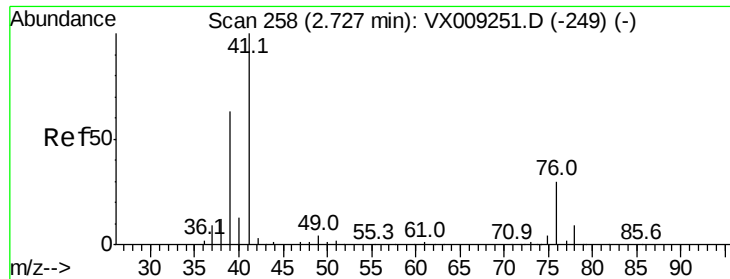
Tgt Ion: 76 Resp: 92804

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2





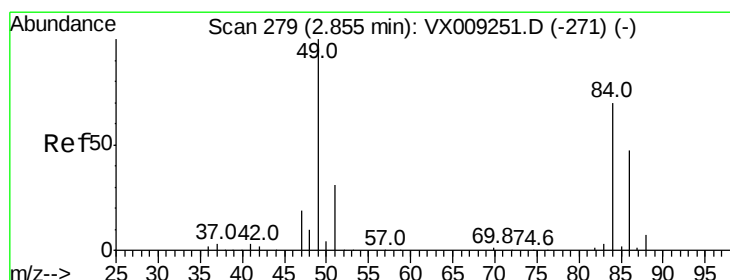
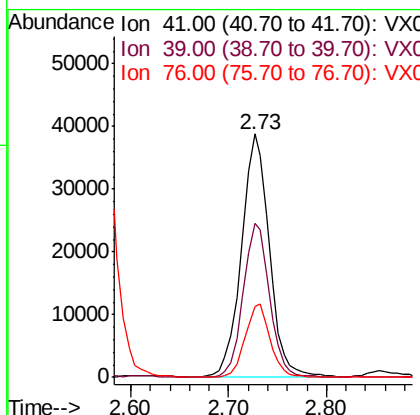
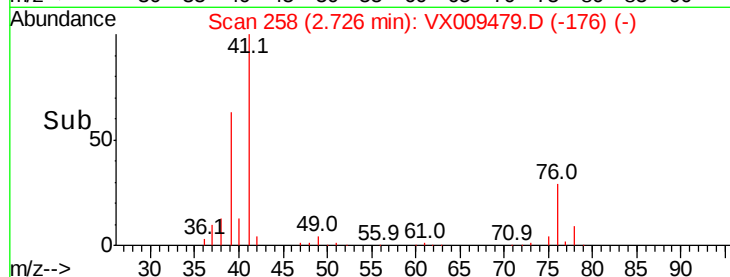
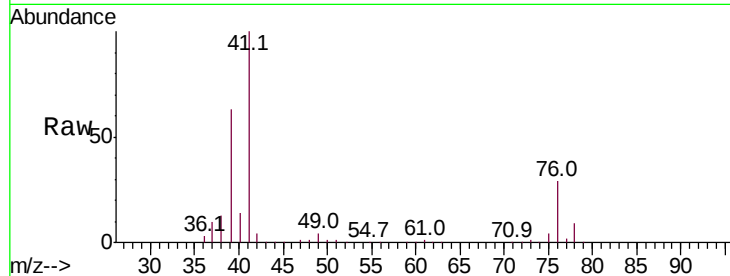
#17
Allvl chloride
Concen: 21.025 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX009479.D
Acq: 10 May 2019 13:37

Instrument :
MSVOA_X
ClientSampleId :
VX0510WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	63.2	31.6	94.7
76	29.3	15.1	45.3

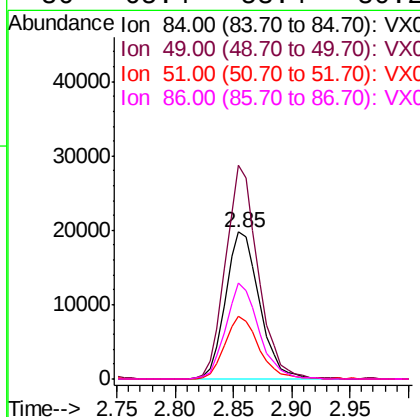
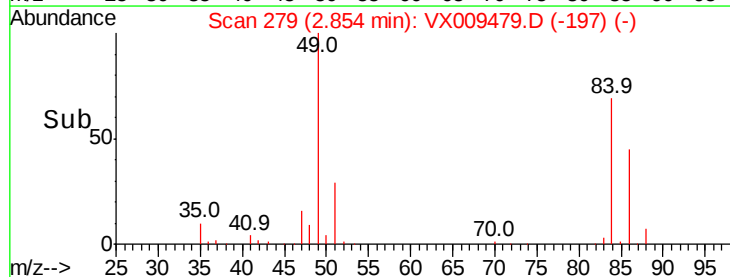
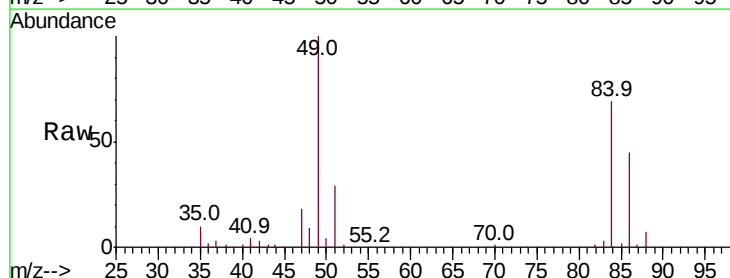
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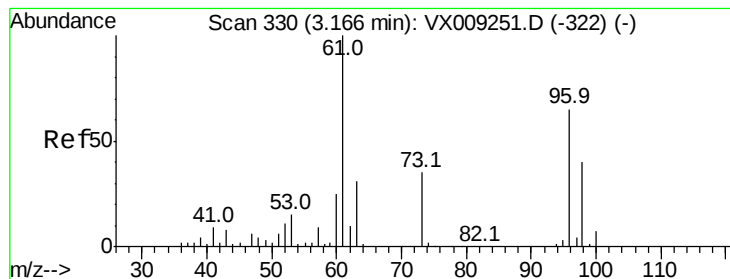
MMDadoda
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#18
Methylene Chloride
Concen: 21.522 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009479.D
Acq: 10 May 2019 13:37

Tgt Ion	Ratio	Lower	Upper
84	100		
49	145.3	114.6	171.8
51	42.7	35.5	53.3
86	65.4	53.4	80.2





#19

trans-1,2-Dichloroethene

Concen: 21.583 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX009479.D

Acq: 10 May 2019 13:37

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBSD01

Tot Ion: 96 Resp: 35301

Ion Ratio Lower Upper

96 100

61 161.9 122.7 184.1

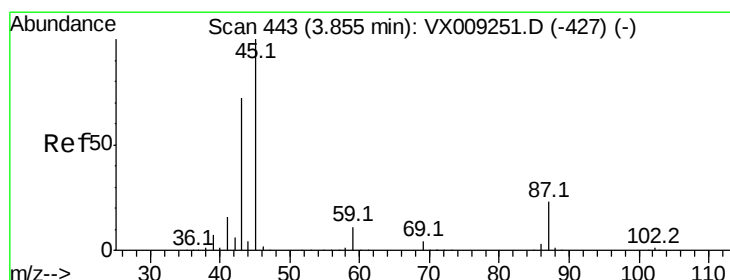
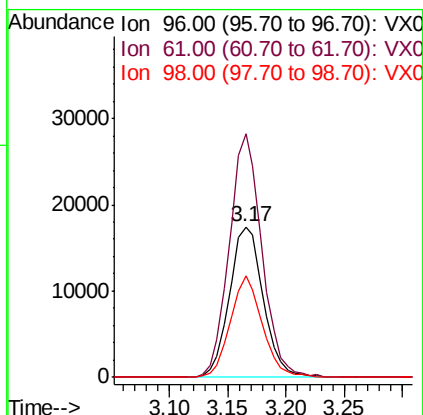
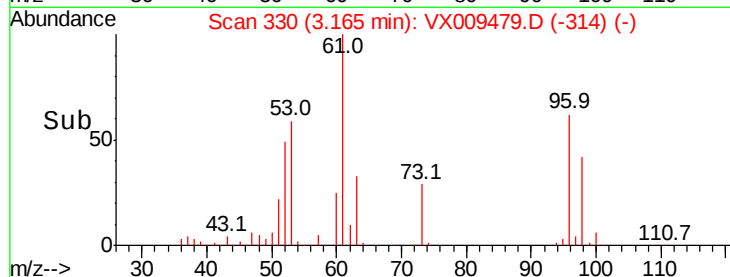
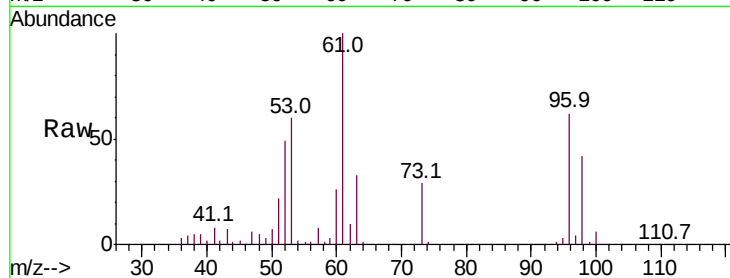
98 67.2 49.5 74.3

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#20

Diisopropyl ether

Concen: 21.305 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX009479.D

Acq: 10 May 2019 13:37

Tgt Ion: 45 Resp: 154517

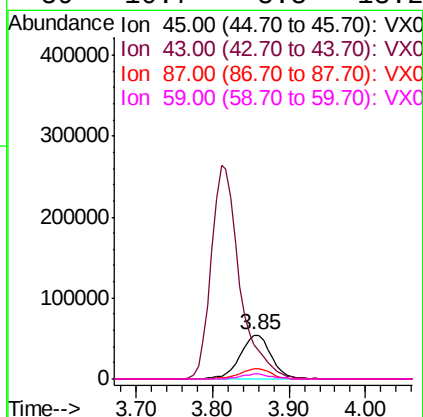
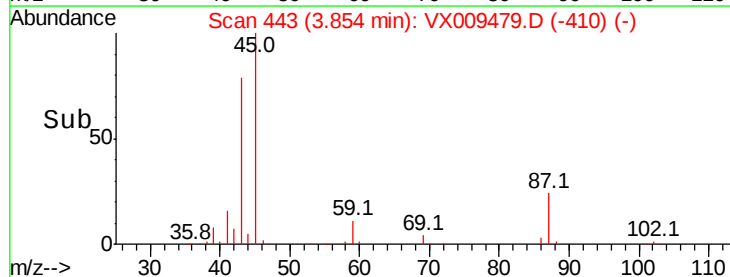
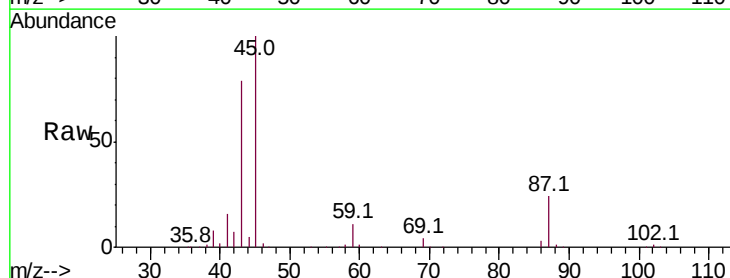
Ion Ratio Lower Upper

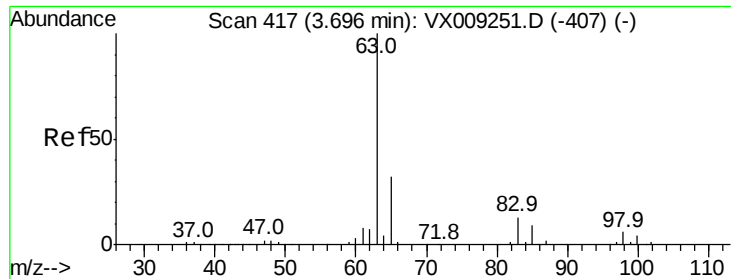
45 100

43 78.0 57.7 86.5

87 23.9 18.5 27.7

59 10.7 8.8 13.2





#21

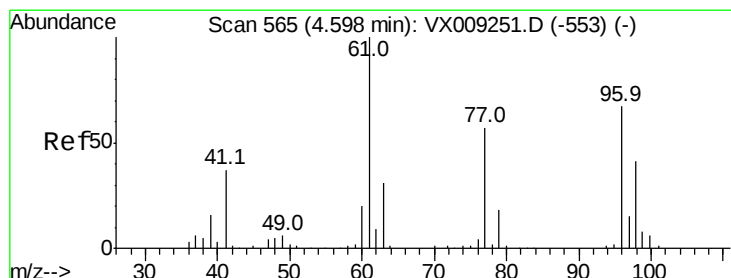
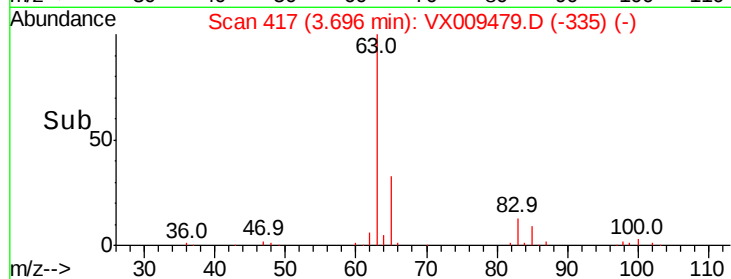
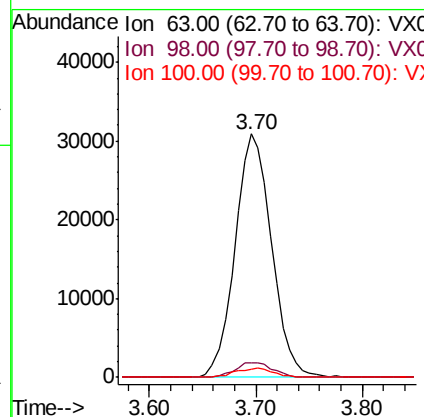
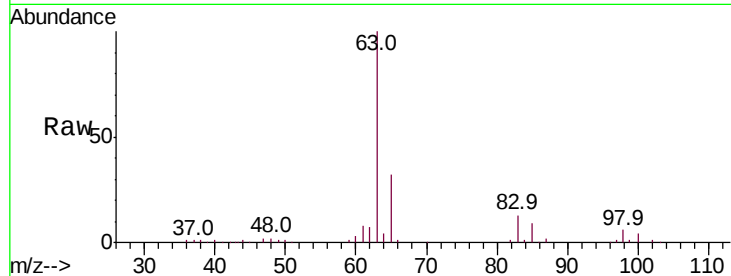
1,1-Dichloroethane
Concen: 21.177 ug/l
RT: 3.70 min Scan# 417
Delta R.T. -0.00 min
Lab File: VX009479.D
Acq: 10 May 2019 13:37

Instrument :
MSVOA_X
ClientSampleId :
VX0510WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
98	6.0	3.1	9.3
100	3.6	2.2	6.6

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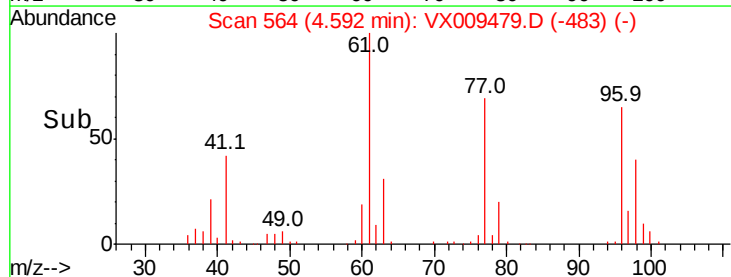
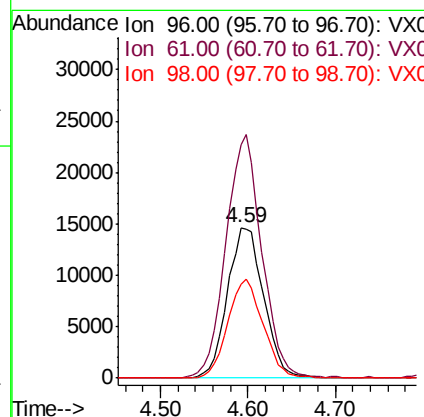
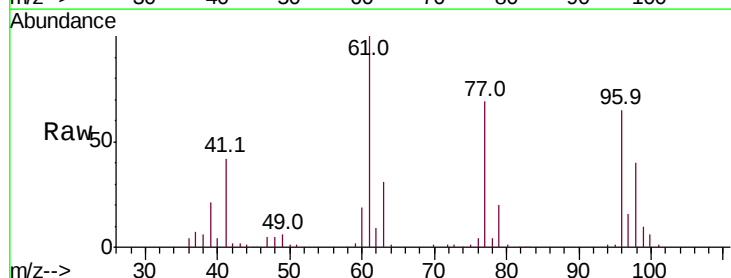
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5/11/2019 11:52:05 AM

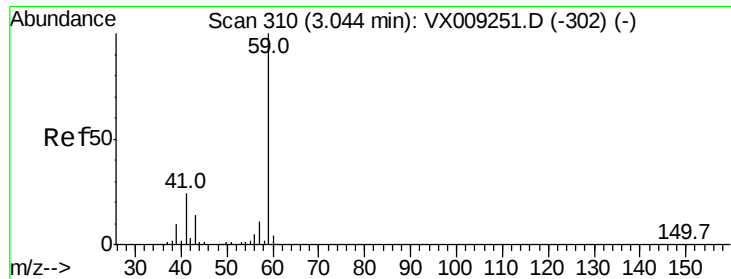


#22

cis-1,2-Dichloroethene
Concen: 21.368 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX009479.D
Acq: 10 May 2019 13:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.7	127.7	191.5
98	64.2	50.5	75.7





#23

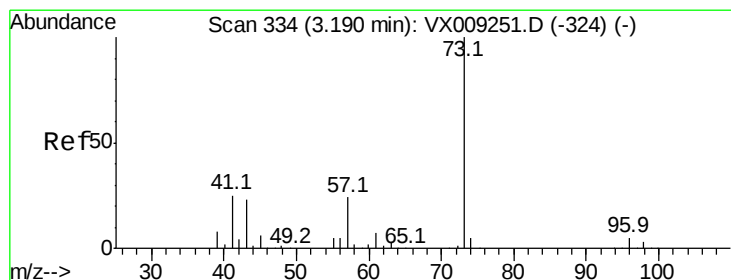
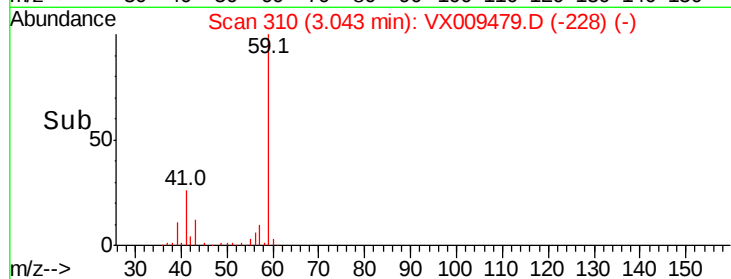
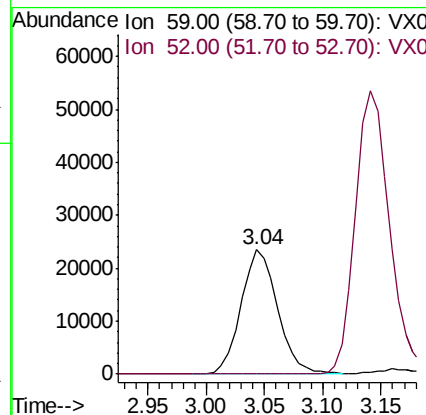
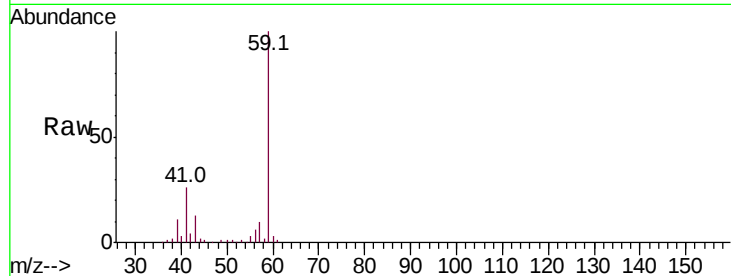
tert-Butyl Alcohol
 Concen: 97.723 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. -0.00 min
 Lab File: VX009479.D
 Acq: 10 May 2019 13:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBSD01

Tot Ion: 59 Resp: 51815
 Ion Ratio Lower Upper
 59 100
 52 0.2 0.2 0.2#

Manual Integrations
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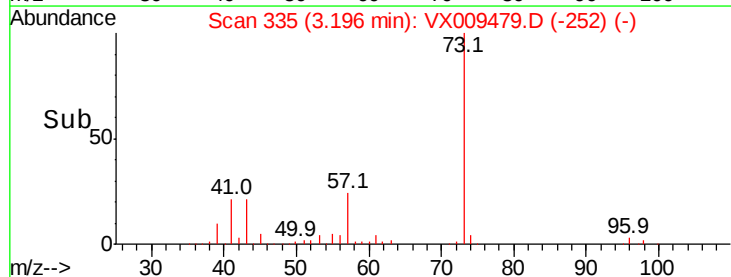
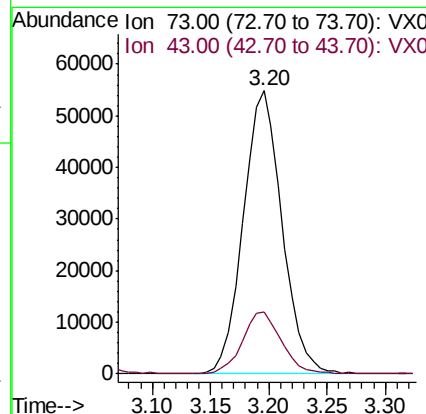
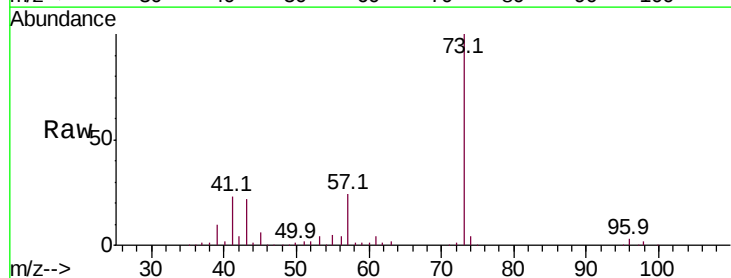
MMDadoda
 5/11/2019 11:52:05 AM

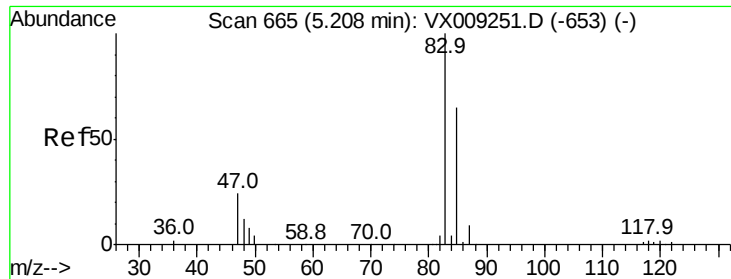


#24

Methyl tert-Butyl Ether
 Concen: 21.195 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. 0.01 min
 Lab File: VX009479.D
 Acq: 10 May 2019 13:37

Tgt Ion: 73 Resp: 127242
 Ion Ratio Lower Upper
 73 100
 43 21.8 17.6 26.4





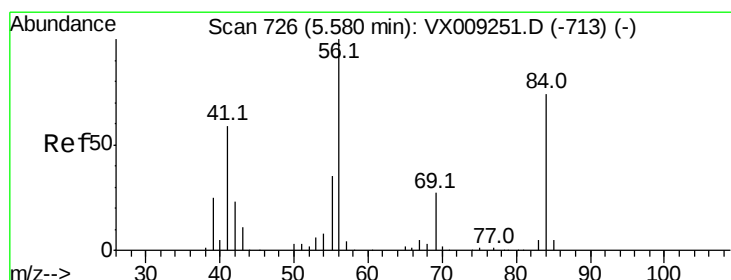
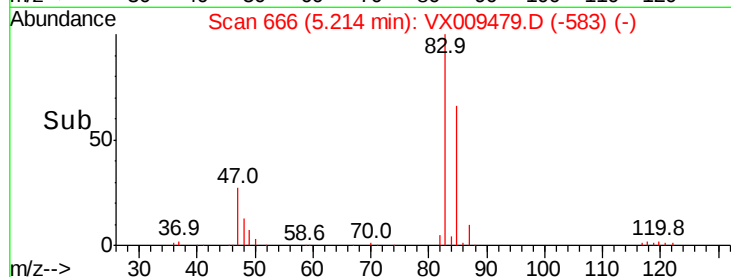
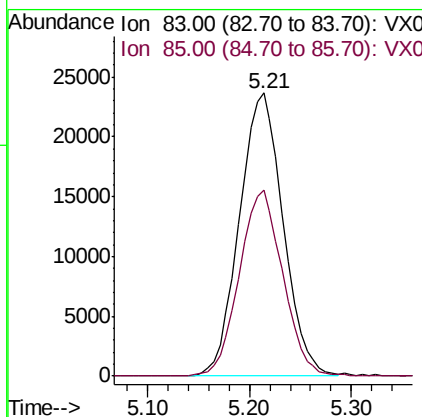
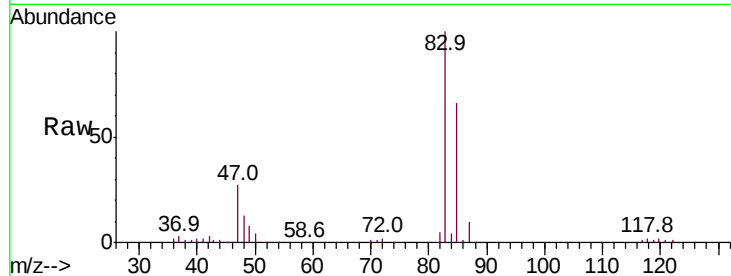
#25
Chloroform
Concen: 22.021 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX009479.D
Acq: 10 May 2019 13:37

Instrument :
MSVOA_X
ClientSampleId :
VX0510WBSD01

Tot Ion: 83 Resp: 70530
Ion Ratio Lower Upper
83 100
85 65.6 51.9 77.9

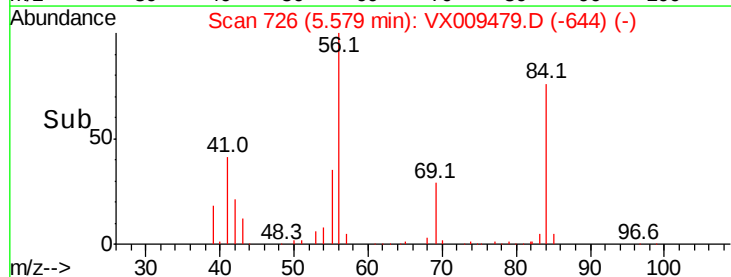
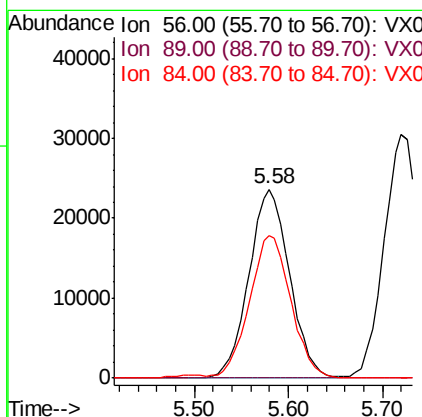
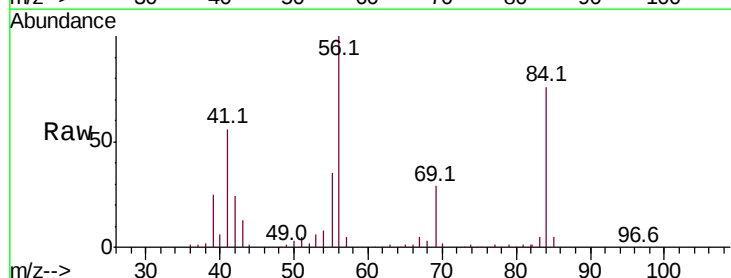
Manual Integrations
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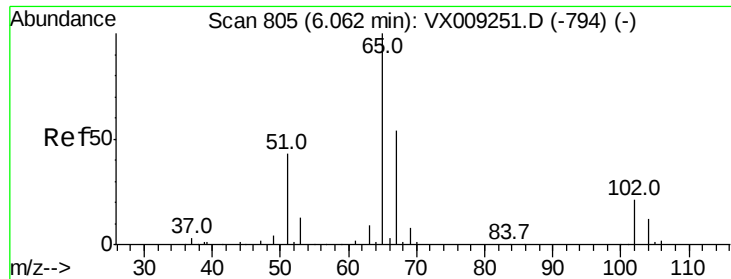
MMDadoda
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#26
Cyclohexane
Concen: 21.847 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX009479.D
Acq: 10 May 2019 13:37

Tgt Ion: 56 Resp: 71463
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 76.9 59.7 89.5





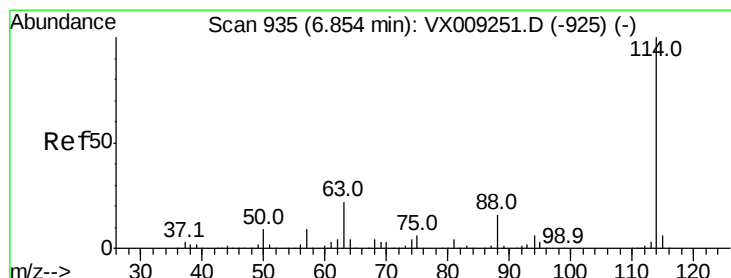
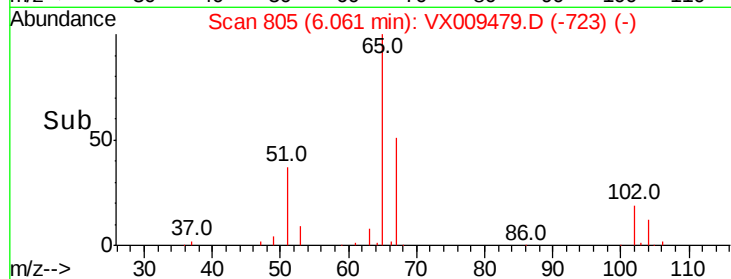
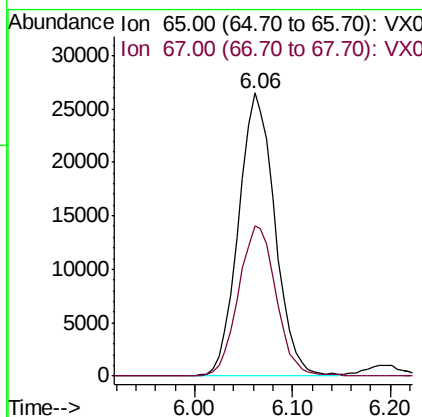
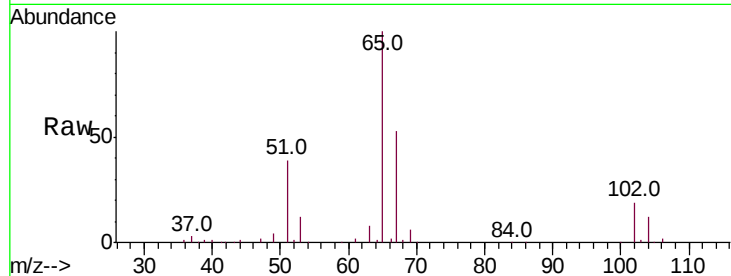
#27
 1,2-Dichloroethane-d4
 Concen: 29.438 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009479.D
 Acq: 10 May 2019 13:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBSD01

Tot Ion: 65 Resp: 68489
 Ion Ratio Lower Upper
 65 100
 67 54.7 43.1 64.7

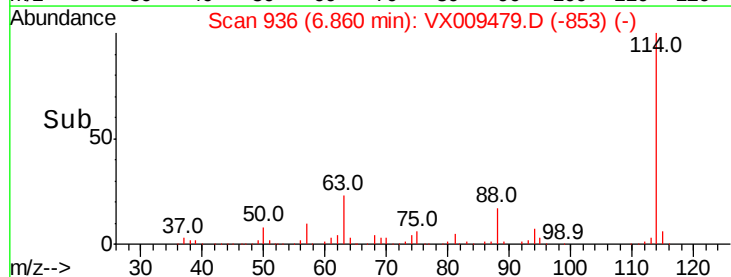
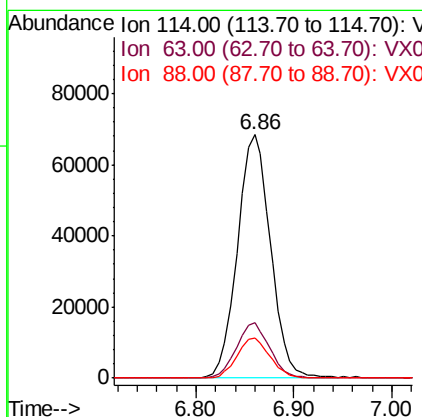
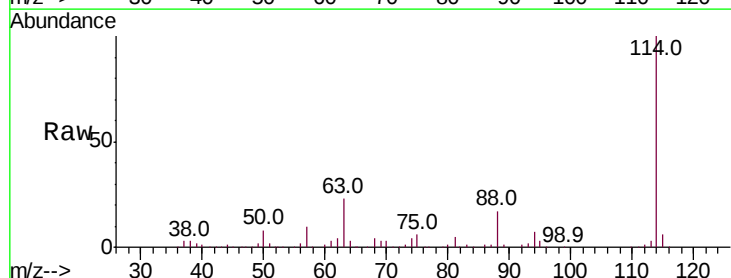
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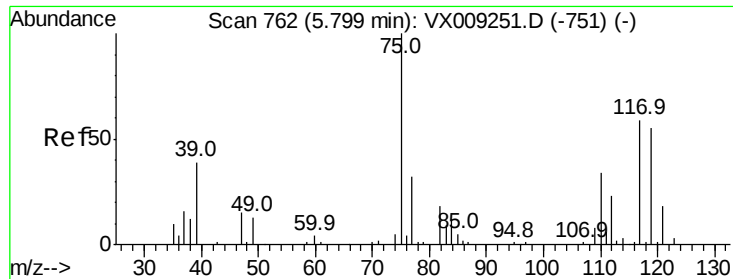
MMDadoda
 5/11/2019 11:52:05 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.01 min
 Lab File: VX009479.D
 Acq: 10 May 2019 13:37

Tgt Ion:114 Resp: 160673
 Ion Ratio Lower Upper
 114 100
 63 22.9 18.0 27.0
 88 16.4 13.4 20.0





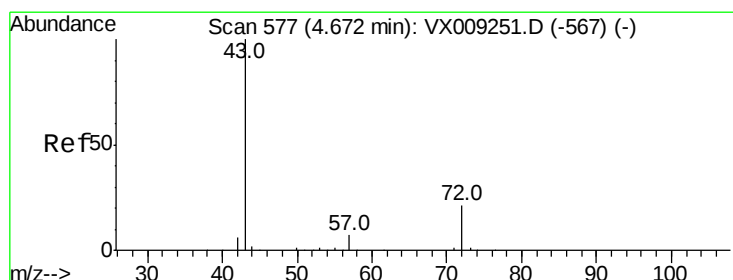
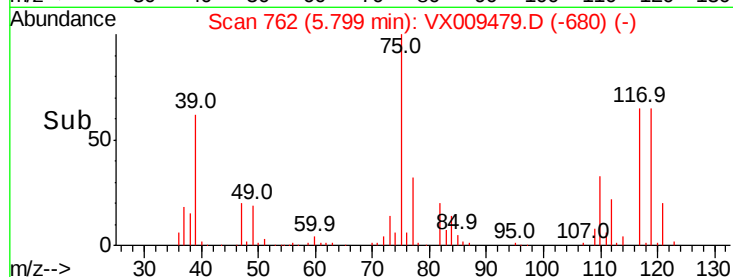
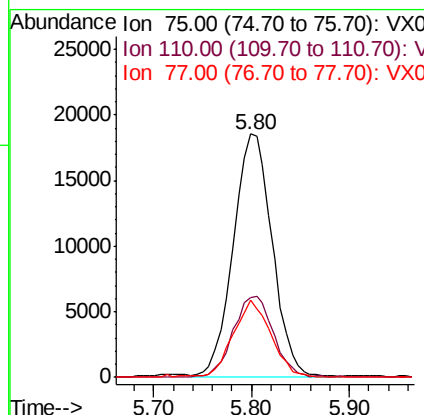
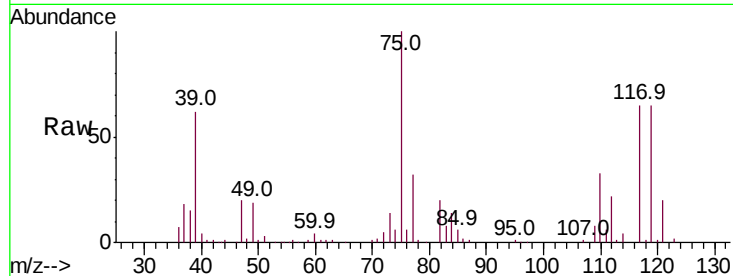
#29
 1,1-Dichloropropene
 Concen: 21.813 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX009479.D
 Acq: 10 May 2019 13:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
110	34.2	0.0	66.4
77	30.7	0.0	62.2

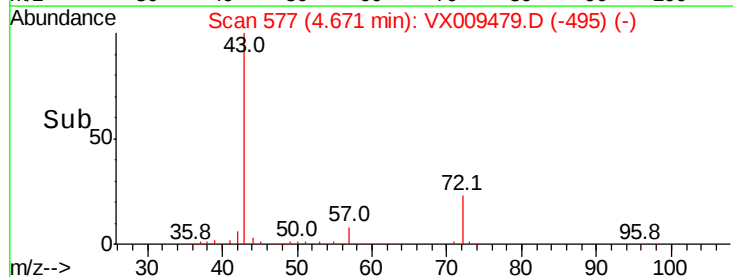
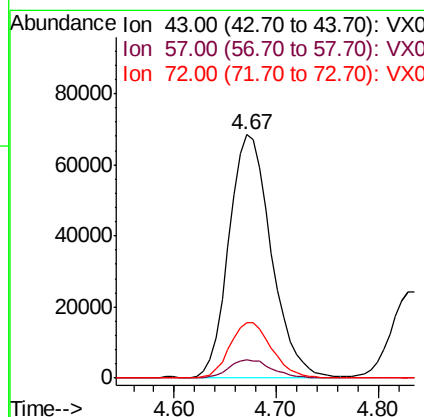
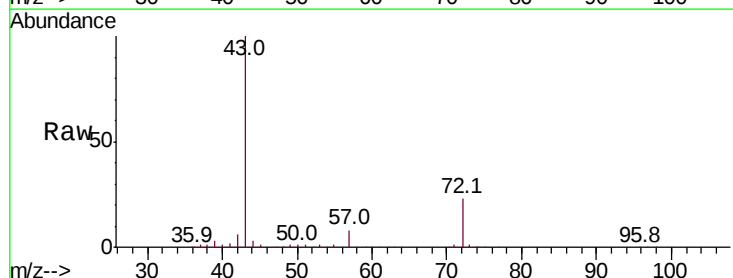
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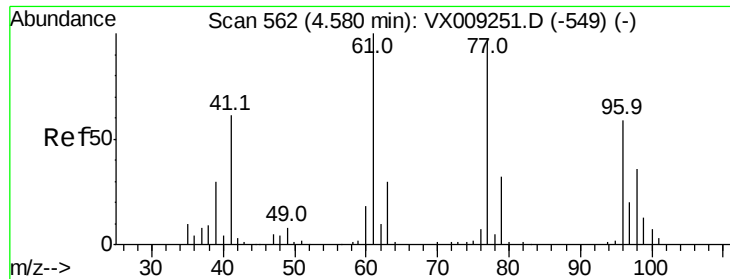
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#30
 2-Butanone
 Concen: 106.049 ug/l
 RT: 4.67 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VX009479.D
 Acq: 10 May 2019 13:37

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.7	6.0	9.0
72	22.9	18.2	27.4





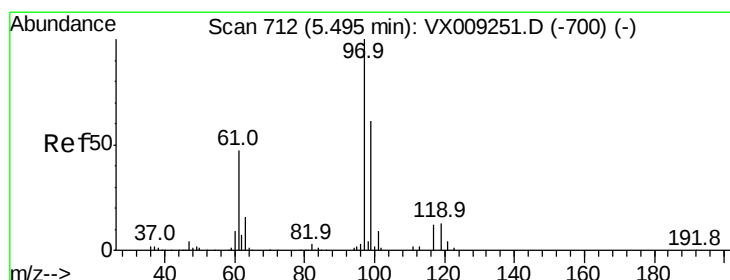
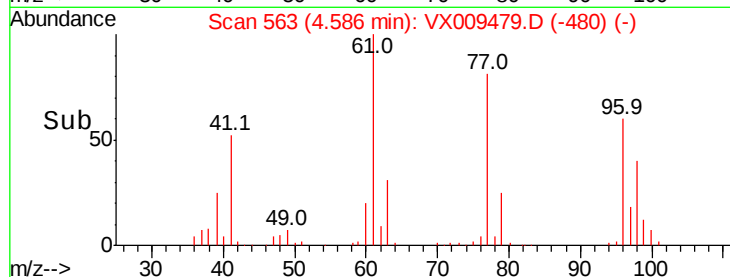
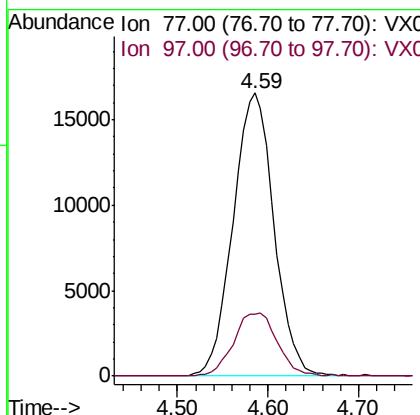
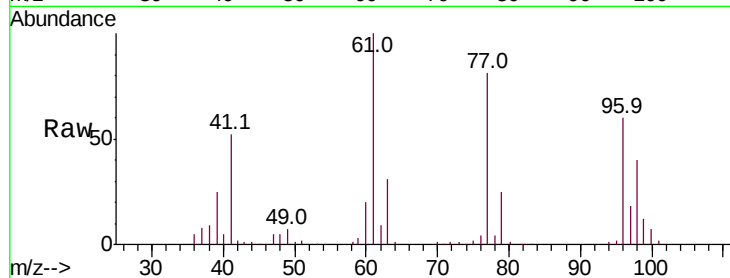
#31
 2,2-Dichloropropane
 Concen: 19.913 ug/l
 RT: 4.59 min Scan# 563
 Delta R.T. 0.01 min
 Lab File: VX009479.D
 Acq: 10 May 2019 13:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBSD01

Tot Ion: 77 Resp: 51756
 Ion Ratio Lower Upper
 77 100
 97 23.8 18.3 27.5

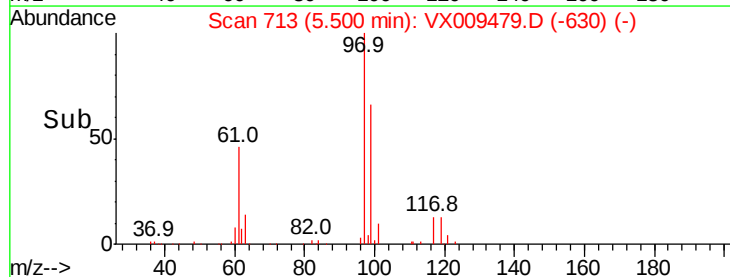
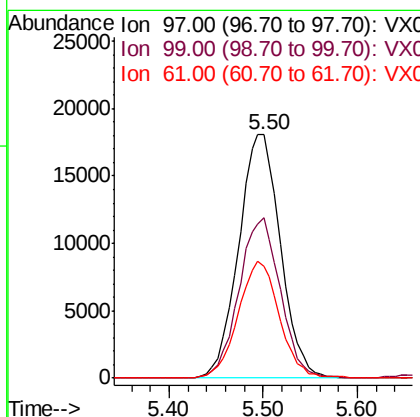
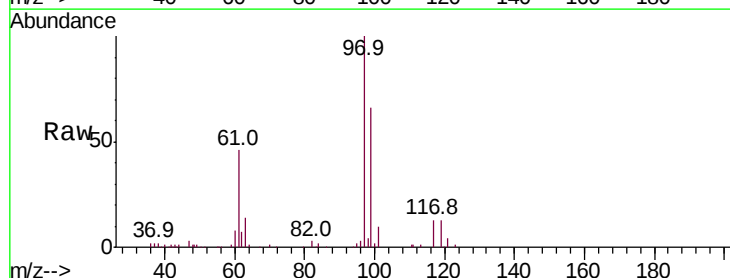
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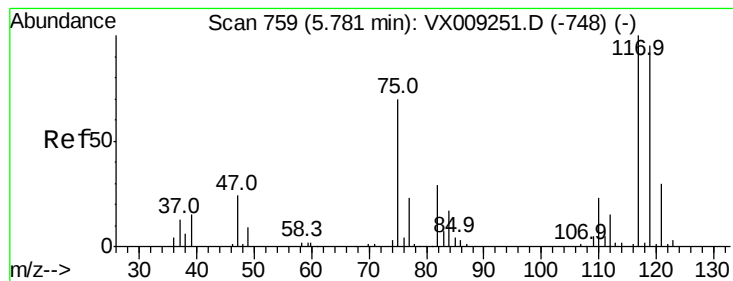
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#32
 1,1,1-Trichloroethane
 Concen: 21.974 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009479.D
 Acq: 10 May 2019 13:37

Tgt Ion: 97 Resp: 56162
 Ion Ratio Lower Upper
 97 100
 99 64.7 53.9 80.9
 61 47.3 38.6 58.0





#33

Carbon Tetrachloride

Concen: 21.898 ug/l

RT: 5.79 min Scan# 760

Delta R.T. 0.01 min

Lab File: VX009479.D

Acq: 10 May 2019 13:37

Instrument :

MSVOA_X

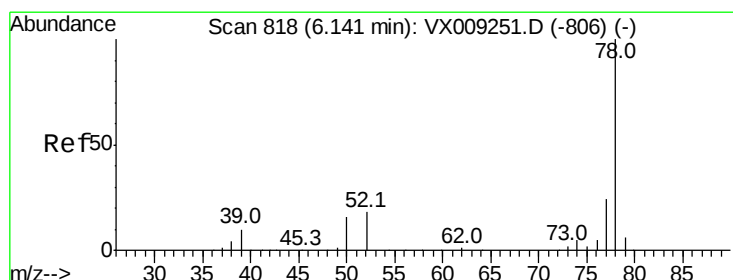
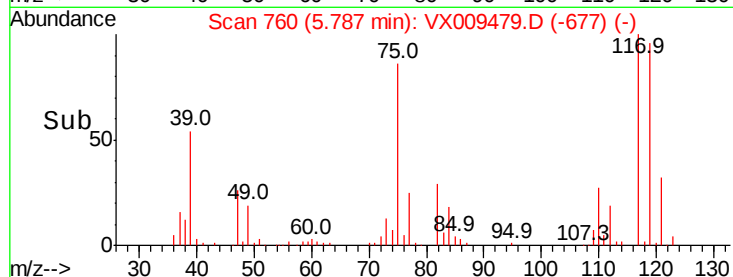
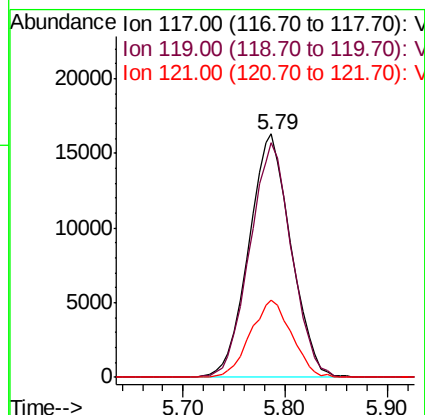
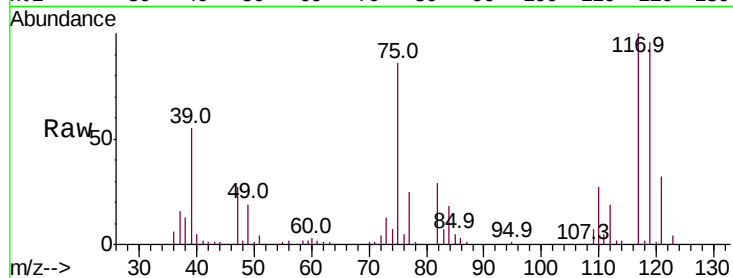
ClientSampleId :

VX0510WBSD01

Tot Ion:	117	Resp:	46827
Ion	Ratio	Lower	Upper
117	100		
119	96.2	76.1	114.1
121	31.9	24.4	36.6

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#34

Benzene

Concen: 22.332 ug/l

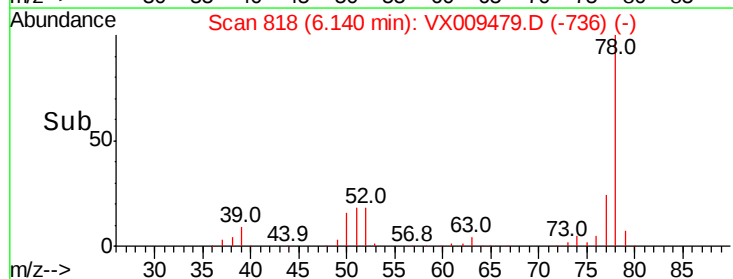
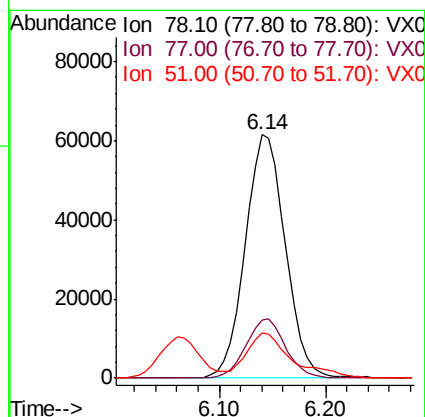
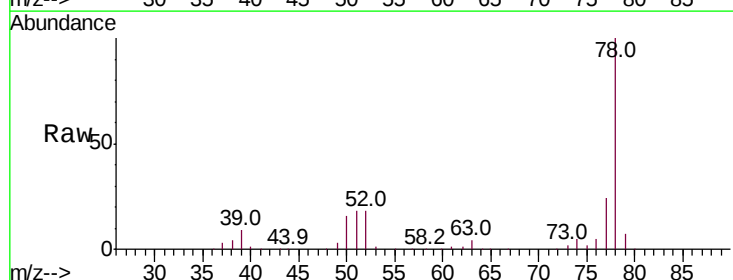
RT: 6.14 min Scan# 818

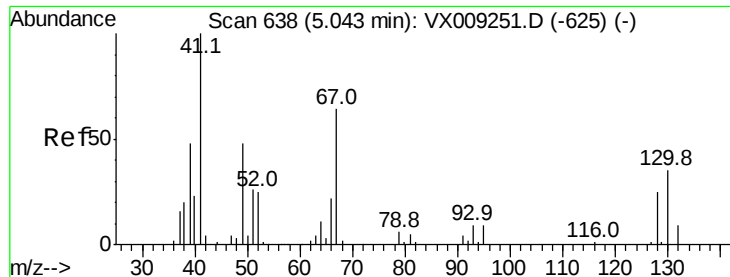
Delta R.T. -0.00 min

Lab File: VX009479.D

Acq: 10 May 2019 13:37

Tgt Ion:	78	Resp:	162317
Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.8	28.2
51	16.7	13.5	20.3





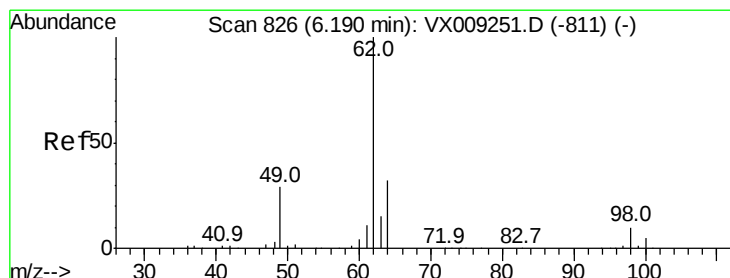
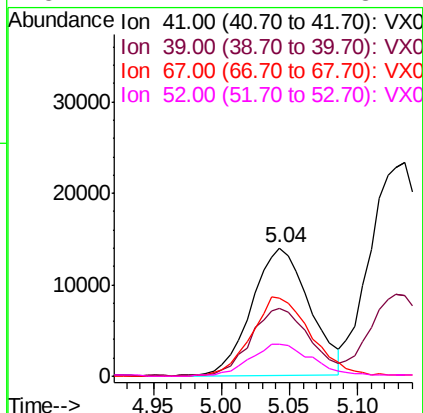
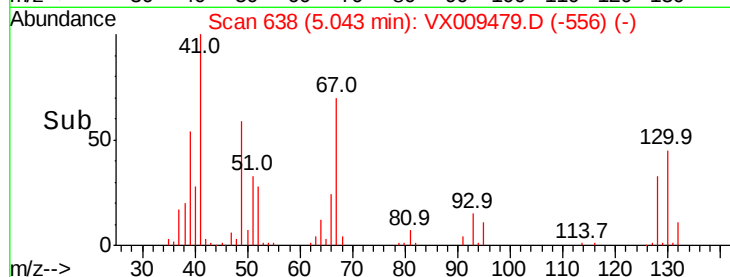
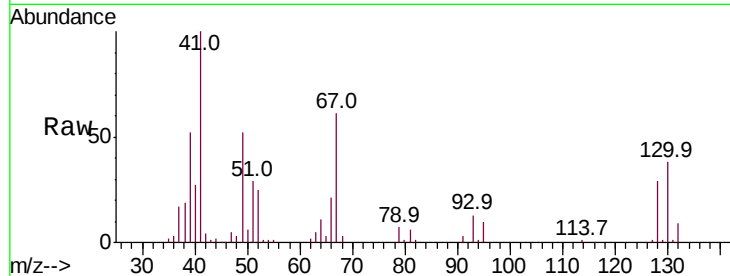
#35
Methacrylonitrile
Concen: 21.433 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX009479.D
Acq: 10 May 2019 13:37

Instrument :
MSVOA_X
ClientSampleId :
VX0510WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.7	24.1	72.3	
67	60.6	32.2	96.6	
52	24.2	12.4	37.4	

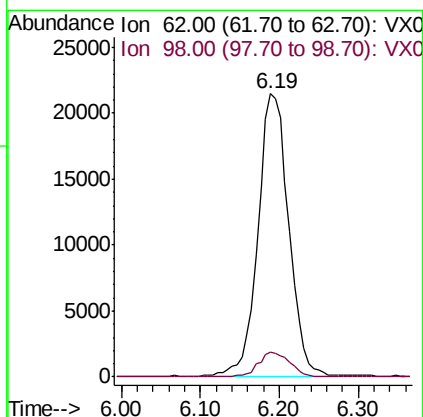
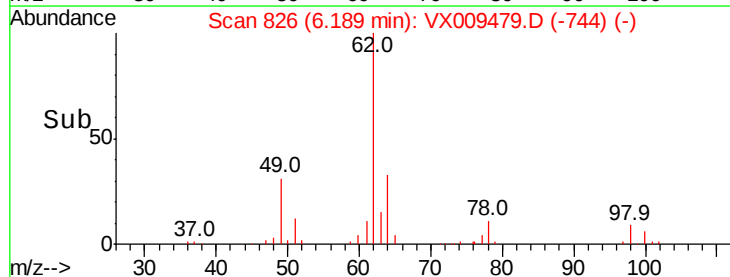
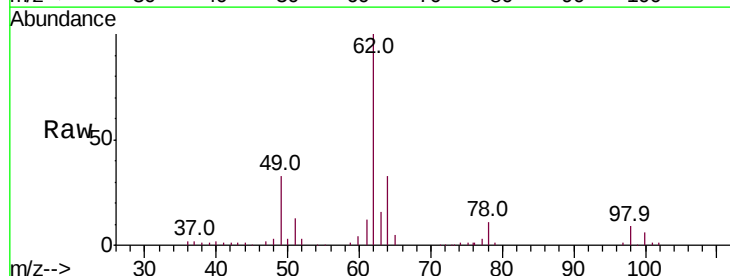
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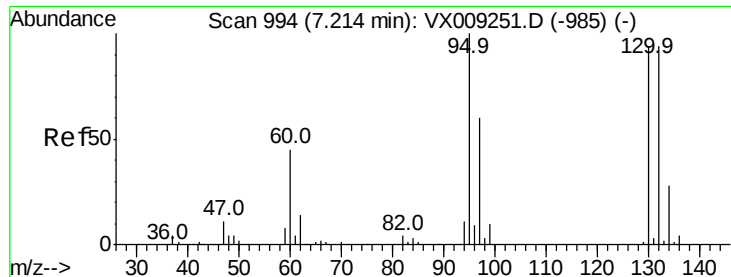
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#36
1,2-Dichloroethane
Concen: 22.240 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX009479.D
Acq: 10 May 2019 13:37

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.8	7.4	11.2	





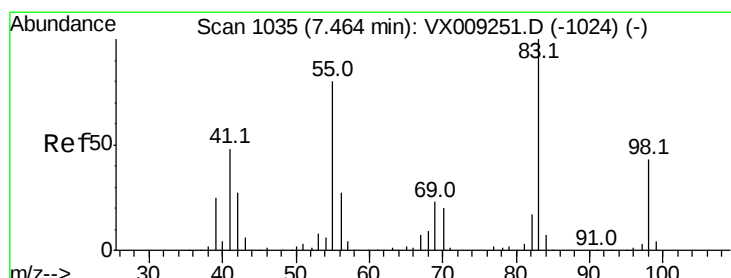
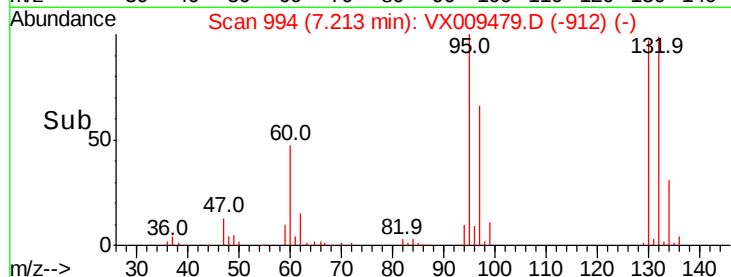
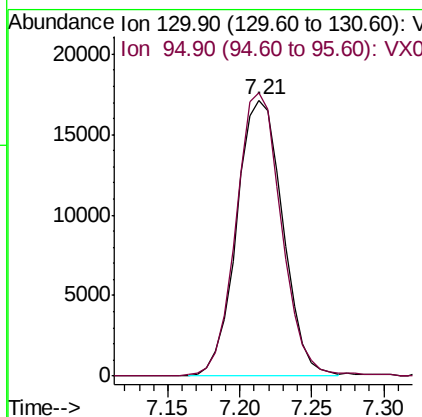
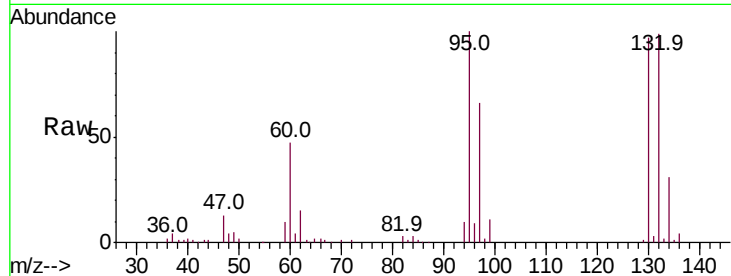
#37
 Trichloroethene
 Concen: 21.712 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX009479.D
 Acq: 10 May 2019 13:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBSD01

Tot Ion:130 Resp: 37990
 Ion Ratio Lower Upper
 130 100
 95 102.1 85.0 127.4

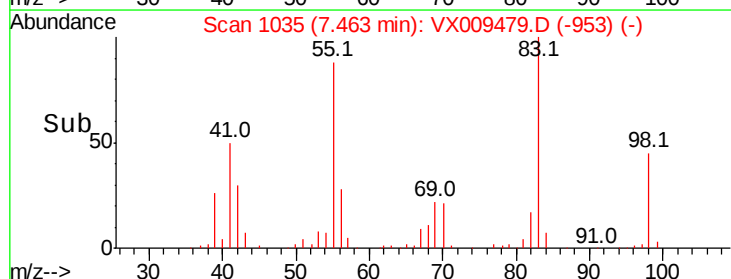
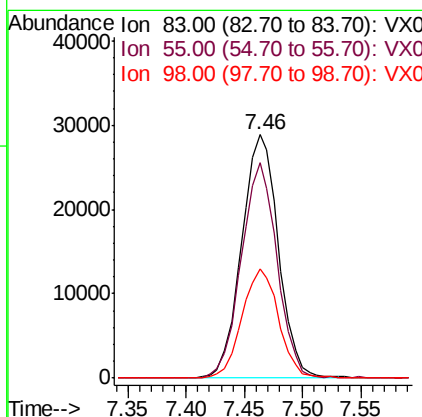
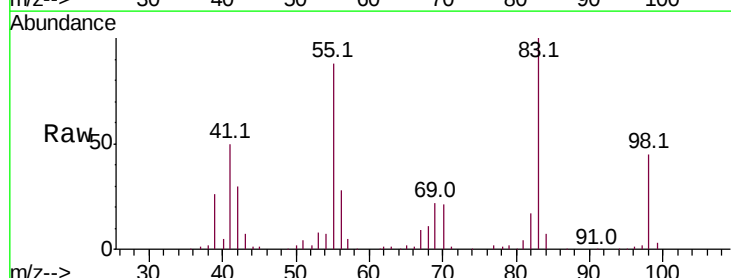
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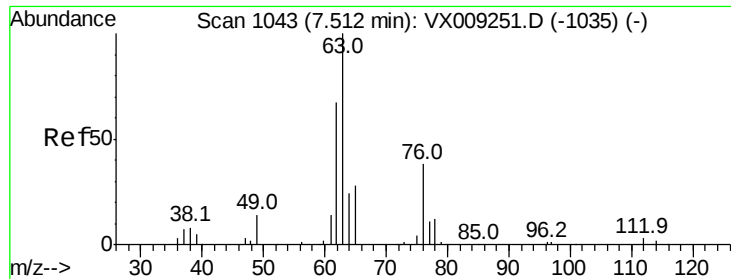
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#38
 Methylcyclohexane
 Concen: 21.725 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: VX009479.D
 Acq: 10 May 2019 13:37

Tgt Ion: 83 Resp: 63281
 Ion Ratio Lower Upper
 83 100
 55 86.2 43.0 129.2
 98 44.5 22.1 66.1





#39

1,2-Dichloropropane

Concen: 21.707 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX009479.D

Acq: 10 May 2019 13:37

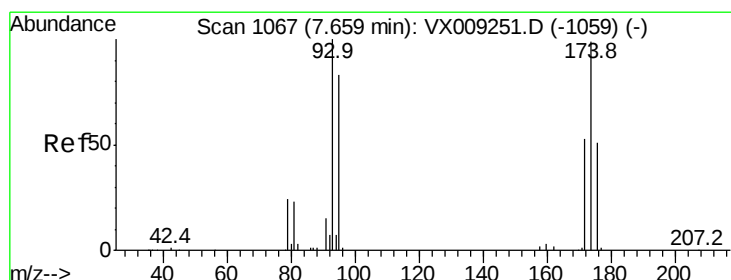
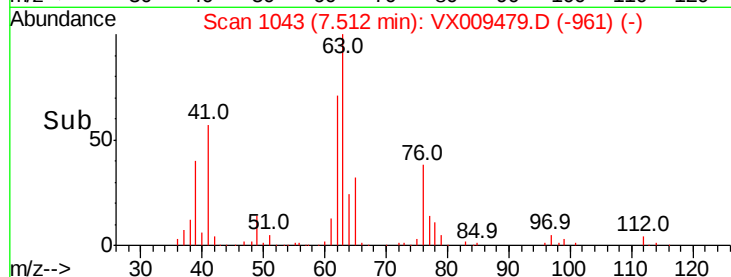
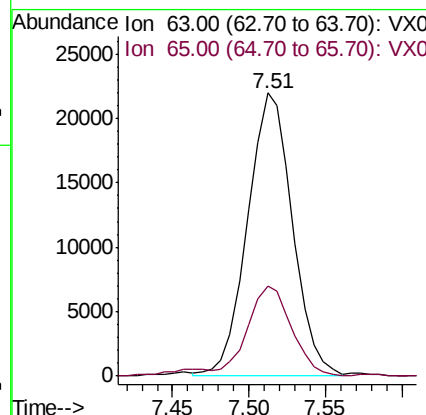
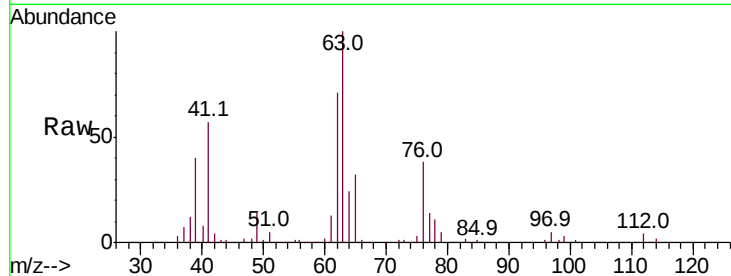
Instrument :
MSVOA_X
ClientSampleID :
VX0510WBSD01

Tot Ion: 63 Resp: 44929

Ion	Ratio	Lower	Upper
63	100		
65	31.6	24.0	36.0

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#40

Dibromomethane

Concen: 21.969 ug/l

RT: 7.66 min Scan# 1067

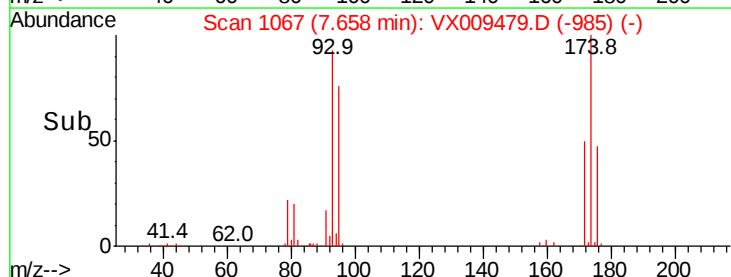
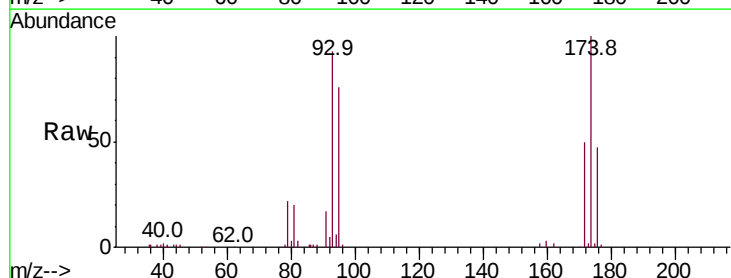
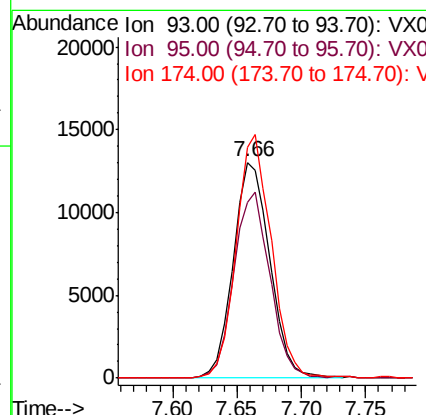
Delta R.T. -0.00 min

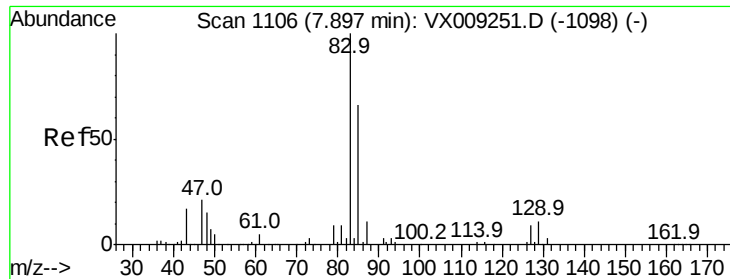
Lab File: VX009479.D

Acq: 10 May 2019 13:37

Tgt Ion: 93 Resp: 25809

Ion	Ratio	Lower	Upper
93	100		
95	85.0	0.0	167.2
174	107.8	0.0	203.4





#41

Bromodichloromethane

Concen: 21.549 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009479.D

Acq: 10 May 2019 13:37

Instrument :

MSVOA_X

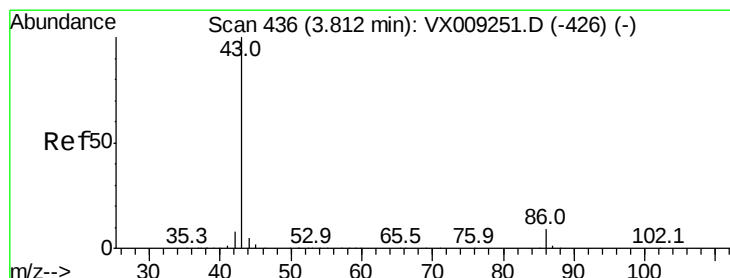
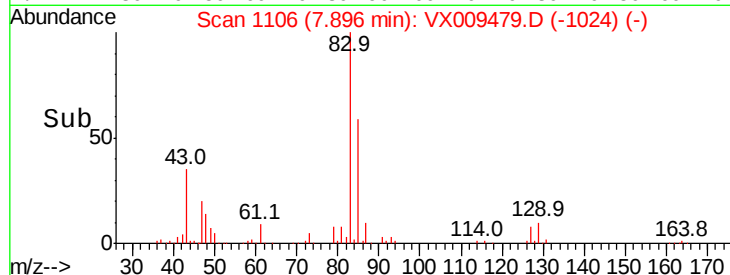
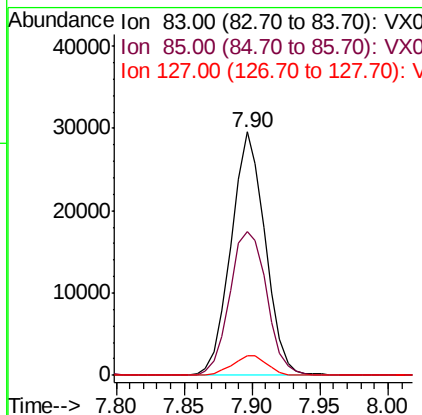
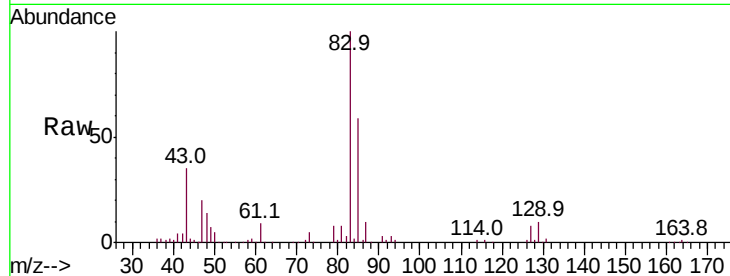
ClientSampleId :

VX0510WBSD01

Tot Ion:	83	Resp:	51710
Ion	Ratio	Lower	Upper
83	100		
85	59.1	52.6	79.0
127	8.0	6.9	10.3

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#42

Vinyl Acetate

Concen: 111.794 ug/l

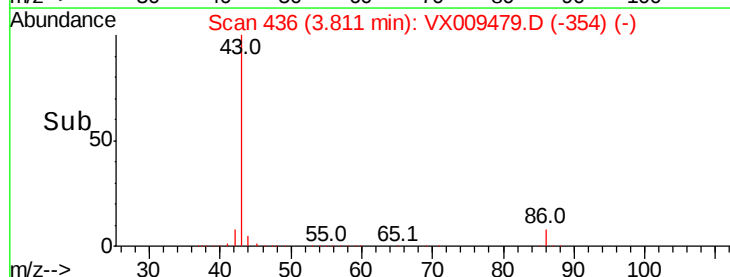
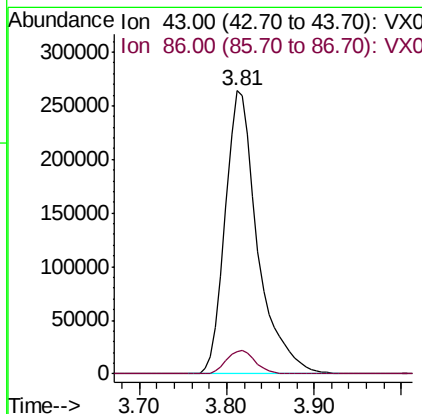
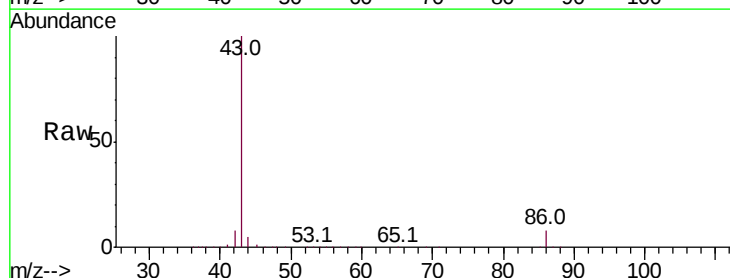
RT: 3.81 min Scan# 436

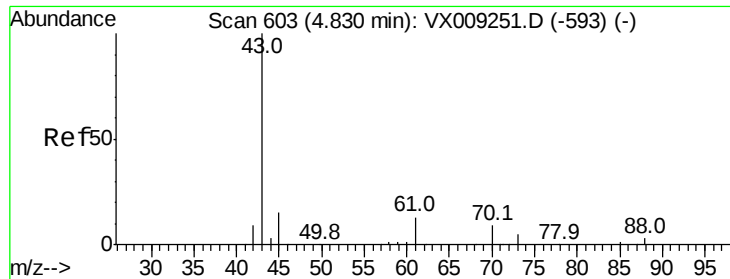
Delta R.T. -0.00 min

Lab File: VX009479.D

Acq: 10 May 2019 13:37

Tgt Ion:	43	Resp:	681250
Ion	Ratio	Lower	Upper
43	100		
86	7.7	6.0	9.0





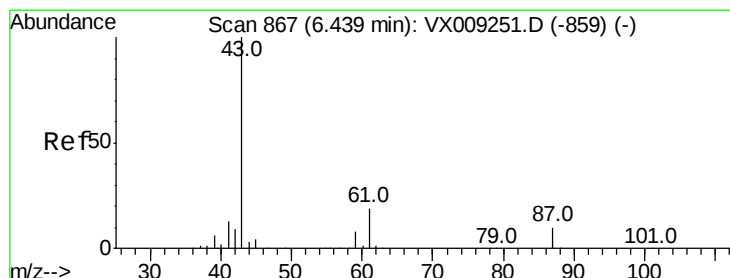
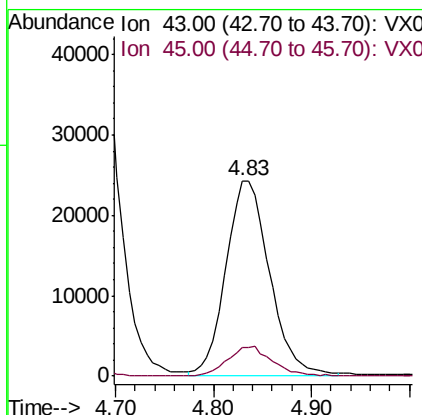
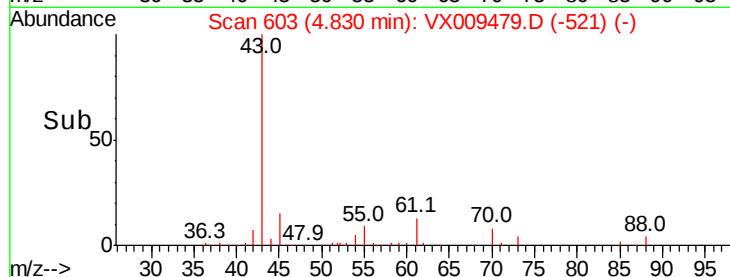
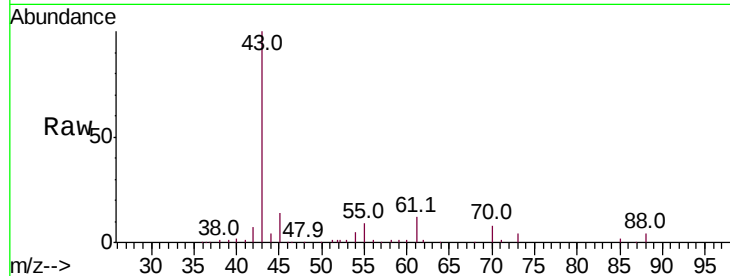
#43
Ethyl Acetate
Concen: 22.398 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.00 min
Lab File: VX009479.D
Acq: 10 May 2019 13:37

Instrument :
MSVOA_X
ClientSampleId :
VX0510WBSD01

Tot Ion: 43 Resp: 74727
Ion Ratio Lower Upper
43 100
45 15.6 11.8 17.8

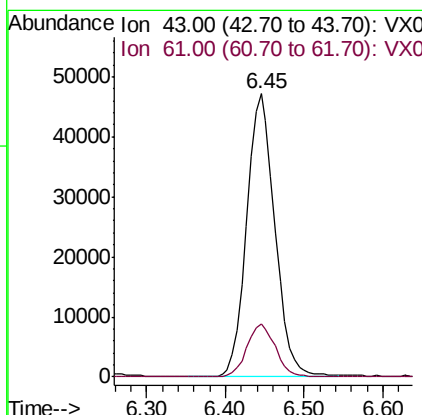
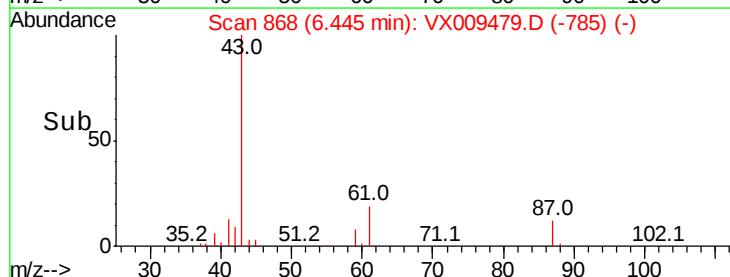
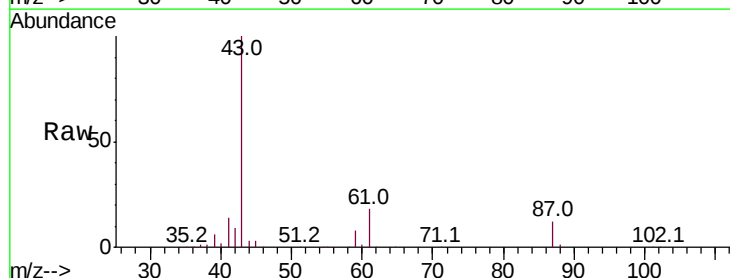
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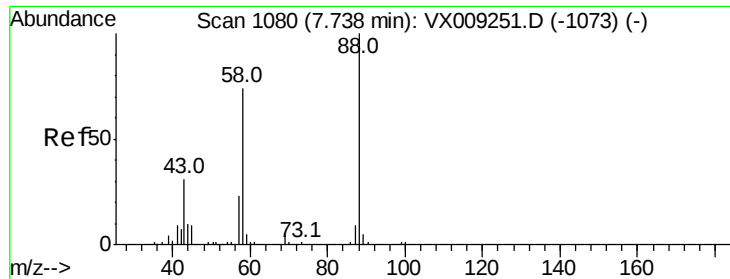
MMDadoda
5/11/2019 11:52:05 AM



#44
Isopropyl Acetate
Concen: 21.544 ug/l
RT: 6.45 min Scan# 868
Delta R.T. 0.01 min
Lab File: VX009479.D
Acq: 10 May 2019 13:37

Tgt Ion: 43 Resp: 116439
Ion Ratio Lower Upper
43 100
61 19.0 15.4 23.2





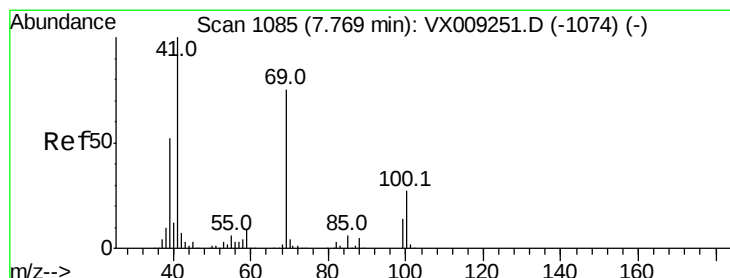
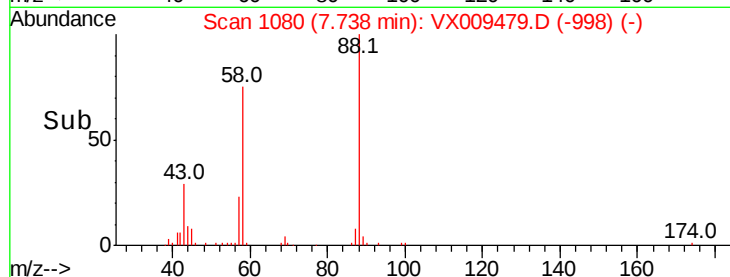
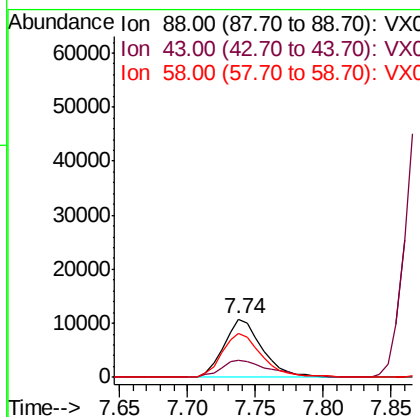
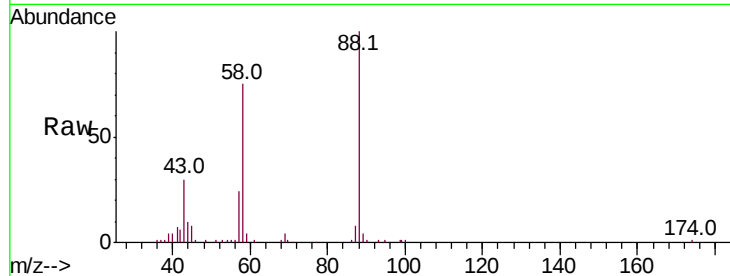
#45
 1,4-Dioxane
 Concen: 397.161 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. -0.00 min
 Lab File: VX009479.D
 Acq: 10 May 2019 13:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.5	28.5	42.7
58	78.8	62.5	93.7

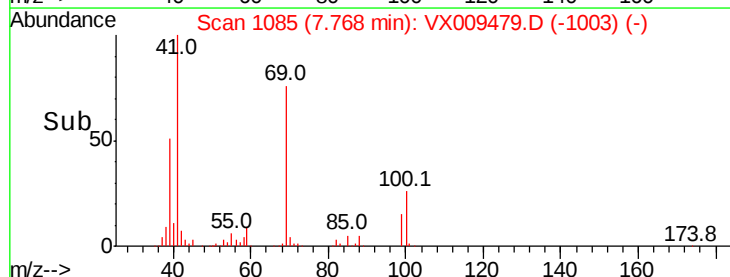
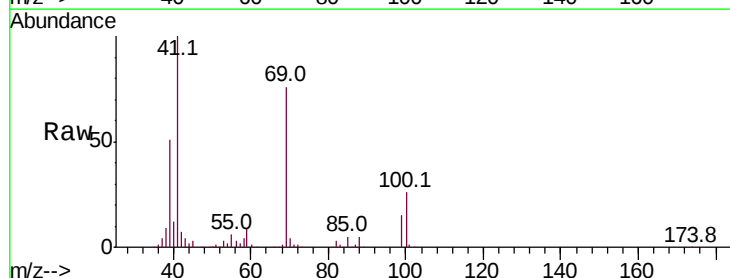
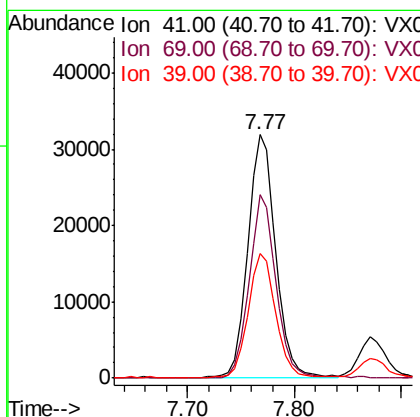
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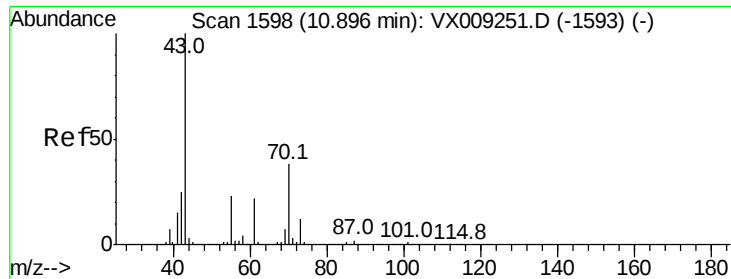
MMDadoda
 5/11/2019 11:52:05 AM



#46
 Methyl methacrylate
 Concen: 21.501 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: VX009479.D
 Acq: 10 May 2019 13:37

Tgt Ion	Ratio	Lower	Upper
41	100		
69	75.9	37.6	112.8
39	51.0	25.8	77.3





#47

n-amvl Acetate

Concen: 21.256 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009479.D

Acq: 10 May 2019 13:37

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBSD01

Tot Ion: 43 Resp: 103493

Ion Ratio Lower Upper

43 100

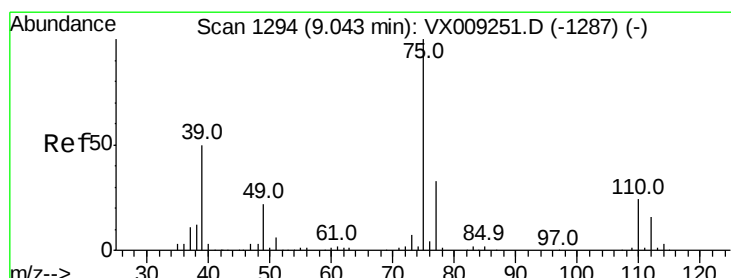
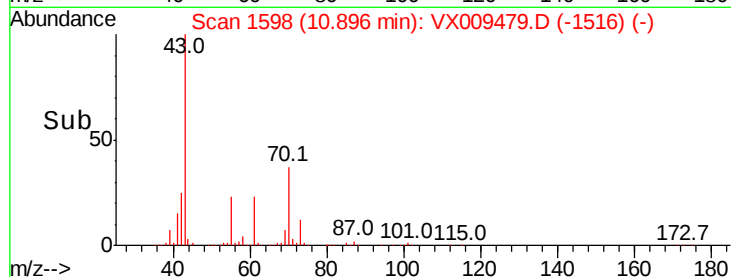
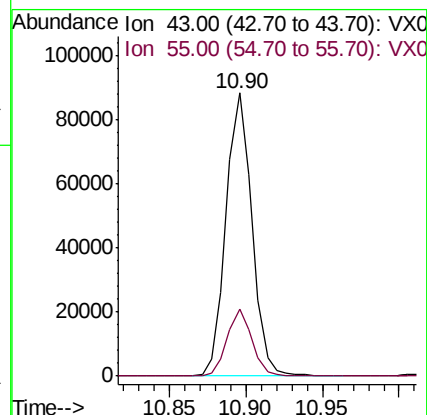
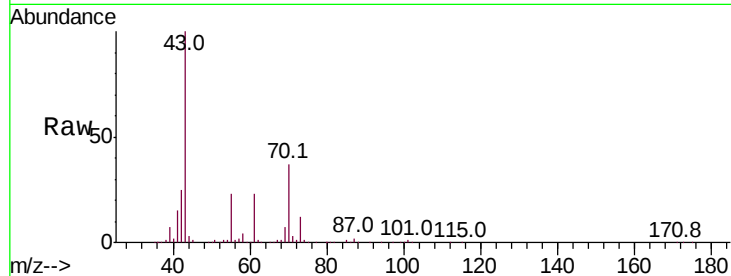
55 22.6 18.2 27.4

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#48

t-1,3-Dichloropropene

Concen: 21.072 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX009479.D

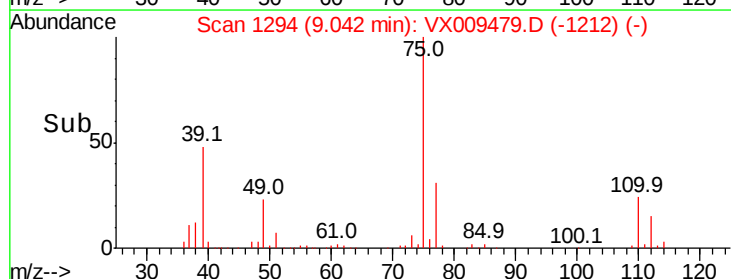
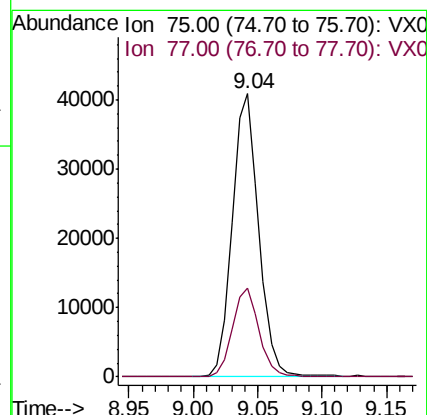
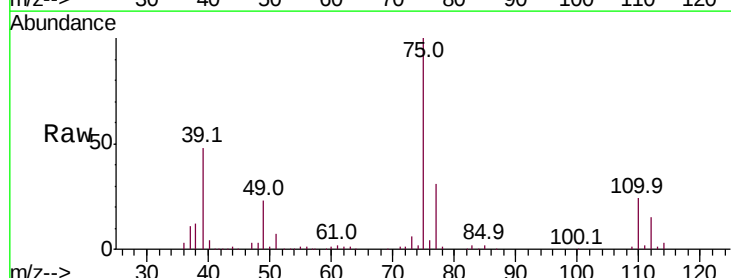
Acq: 10 May 2019 13:37

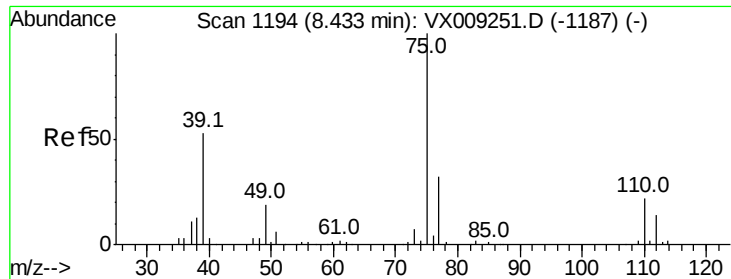
Tgt Ion: 75 Resp: 58998

Ion Ratio Lower Upper

75 100

77 31.3 26.5 39.7





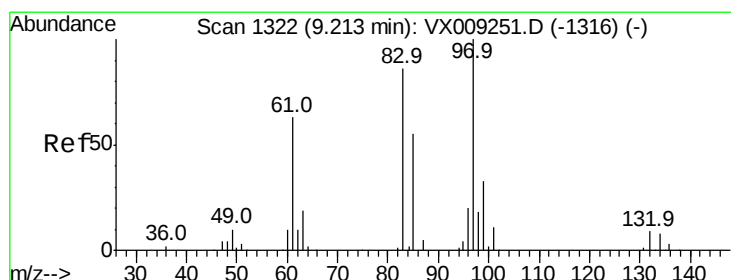
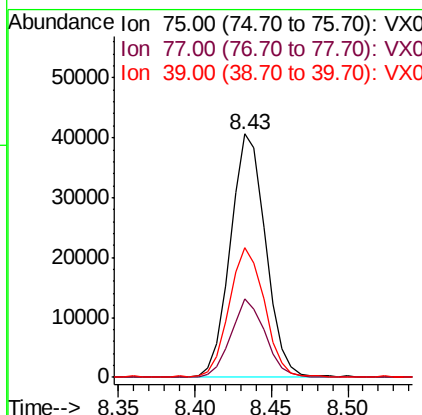
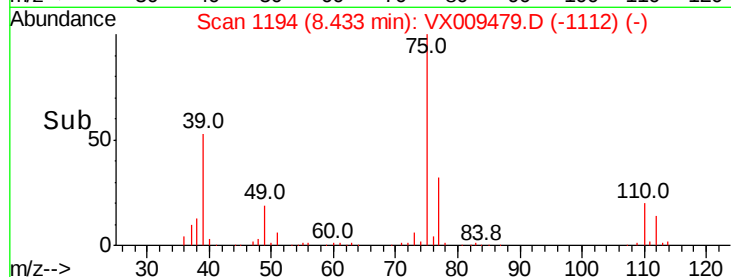
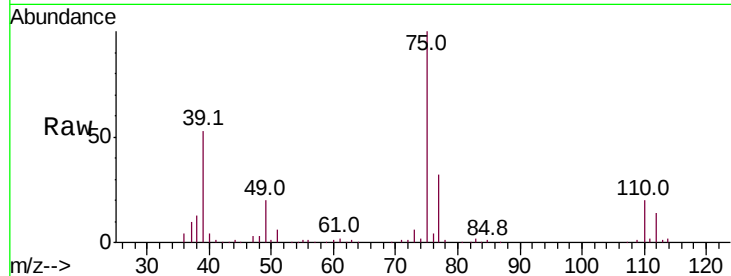
#49
 cis-1,3-Dichloropropene
 Concen: 21.180 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX009479.D
 Acq: 10 May 2019 13:37

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0510WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	26.0	39.0
39	53.1	42.6	63.8

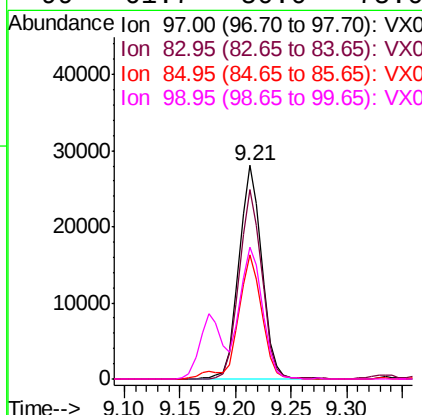
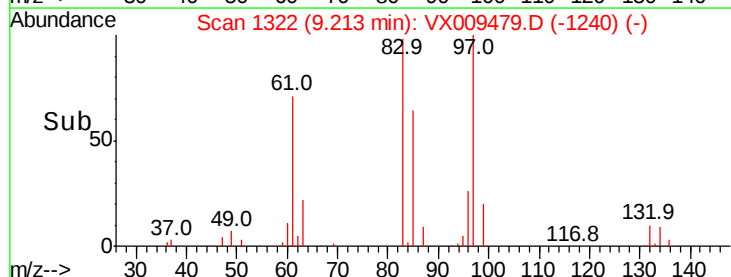
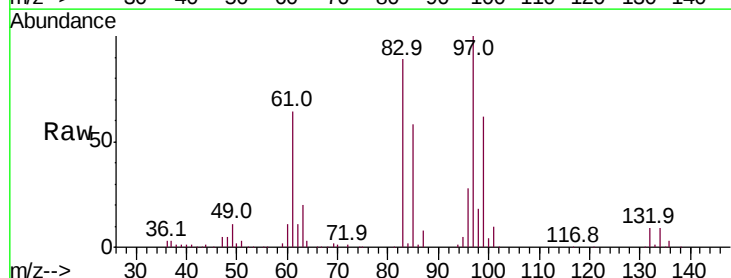
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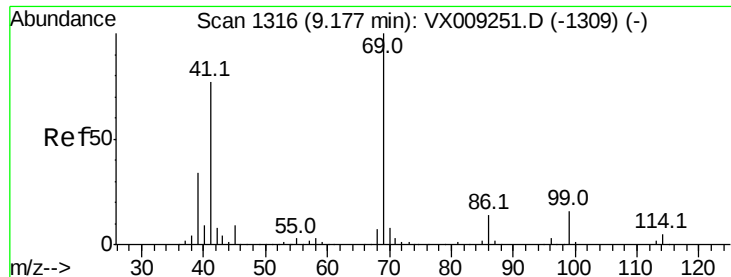
MMDadoda
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#50
 1,1,2-Trichloroethane
 Concen: 22.246 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009479.D
 Acq: 10 May 2019 13:37

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.0	68.8	103.2
85	58.0	45.8	68.6
99	61.7	50.0	75.0





#51

Ethyl methacrylate

Concen: 21.480 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX009479.D

Acq: 10 May 2019 13:37

Instrument :

MSVOA_X

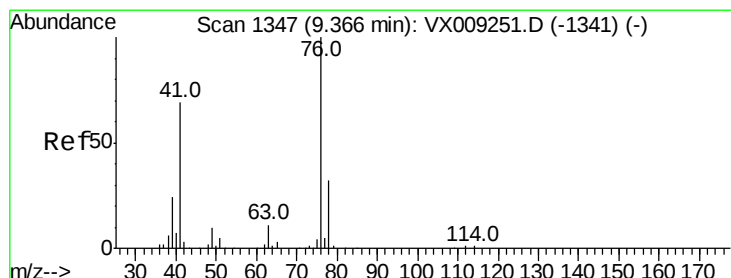
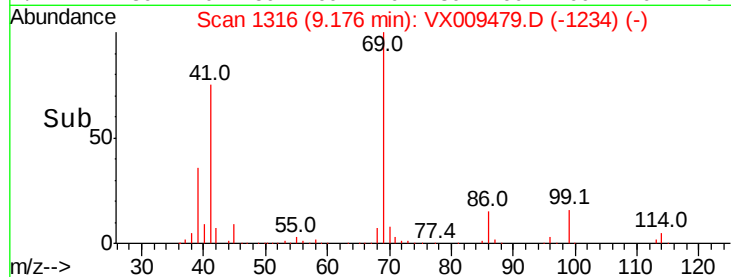
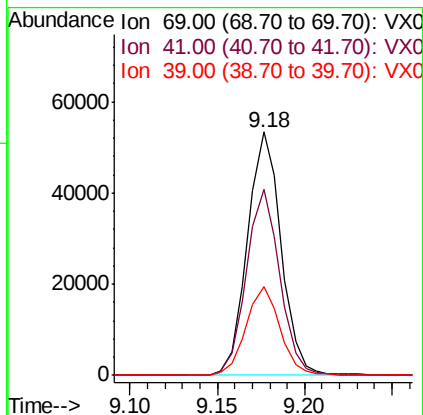
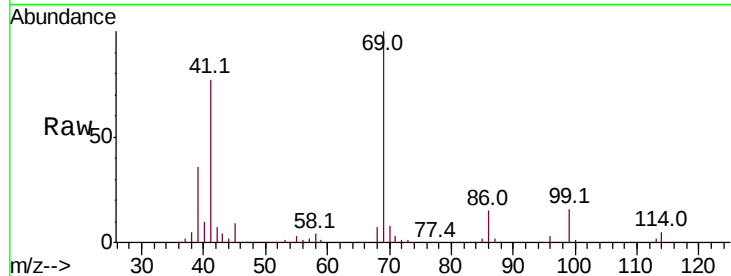
ClientSampleID :

VX0510WBSD01

Tot Ion:	69	Resp:	71442
Ion	Ratio	Lower	Upper
69	100		
41	76.4	38.4	115.2
39	36.0	17.2	51.5

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 21.959 ug/l

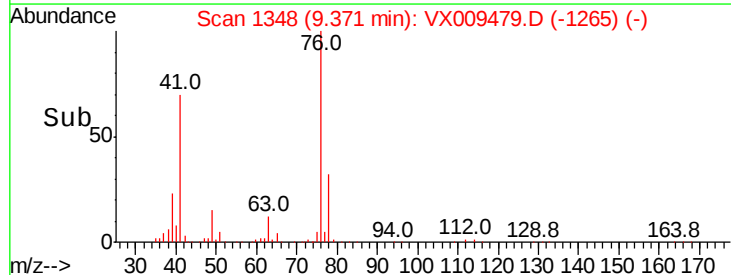
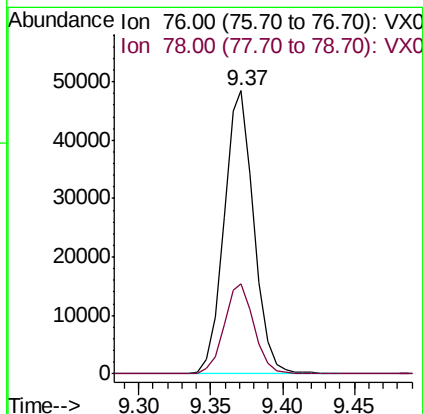
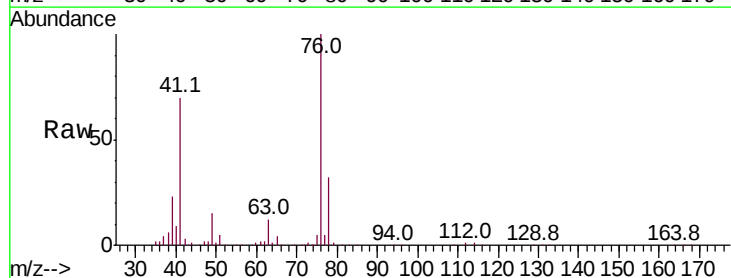
RT: 9.37 min Scan# 1348

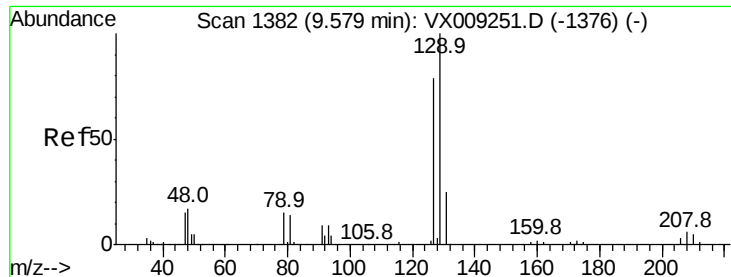
Delta R.T. 0.01 min

Lab File: VX009479.D

Acq: 10 May 2019 13:37

Tgt Ion:	76	Resp:	70143
Ion	Ratio	Lower	Upper
76	100		
78	31.9	0.0	64.2





#53

Dibromochloromethane

Concen: 21.639 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX009479.D

Acq: 10 May 2019 13:37

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBSD01

Tot Ion:129 Resp: 38788

Ion Ratio Lower Upper

129 100

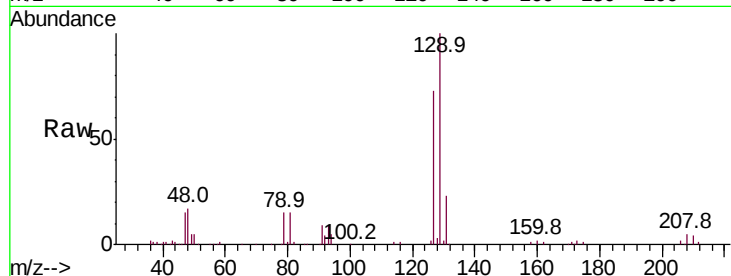
127 76.9 39.1 117.5

Manual Integrations

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

9.58

30000

25000

20000

15000

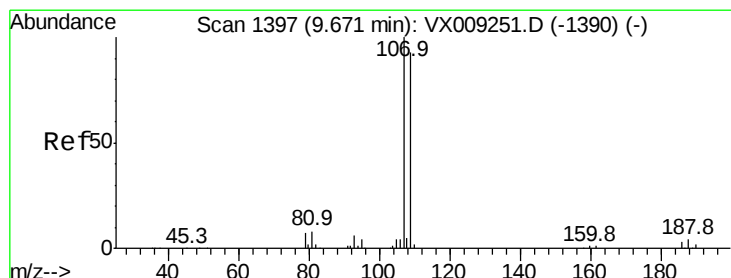
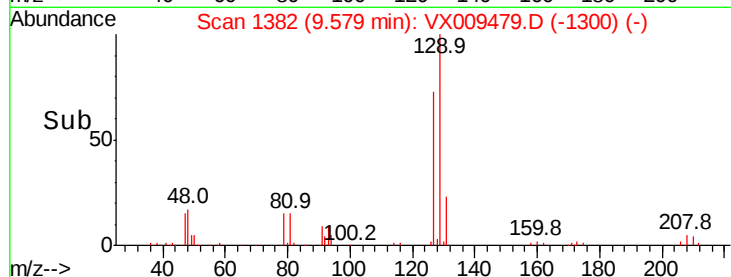
10000

5000

0

9.50 9.55 9.60 9.65

Time-->



#54

1,2-Dibromoethane

Concen: 21.876 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009479.D

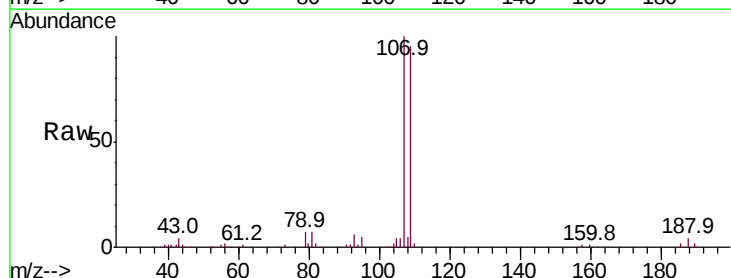
Acq: 10 May 2019 13:37

Tgt Ion:107 Resp: 40381

Ion Ratio Lower Upper

107 100

109 95.6 75.5 113.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.67

30000

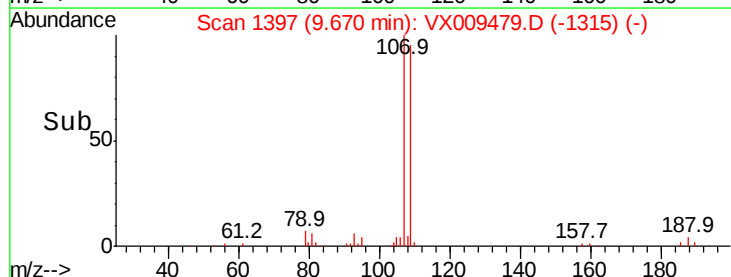
20000

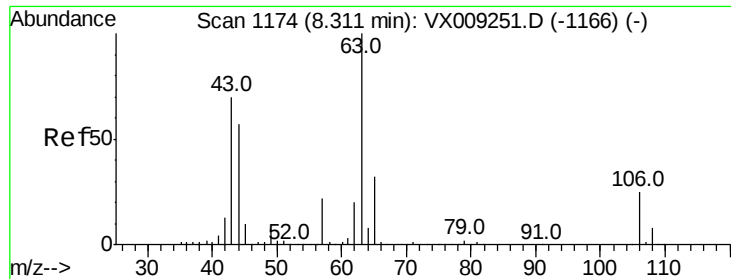
10000

0

9.60 9.65 9.70

Time-->





#55

2-Chloroethyl vinyl ether

Concen: 91.106 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX009479.D

Acq: 10 May 2019 13:37

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBSD01

Tot Ion: 63 Resp: 161472

Ion Ratio Lower Upper

63 100

65 31.8 25.8 38.6

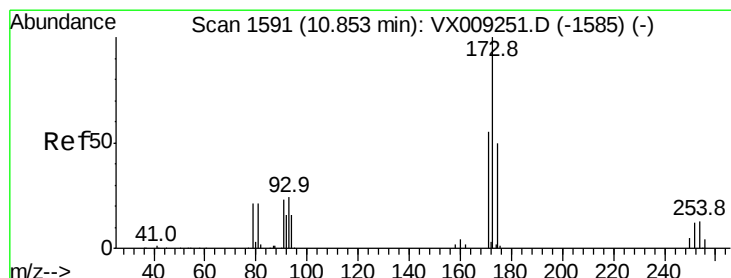
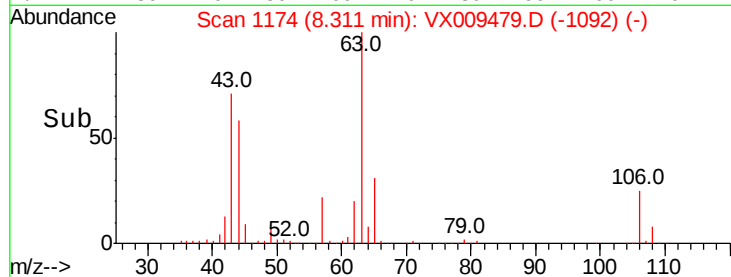
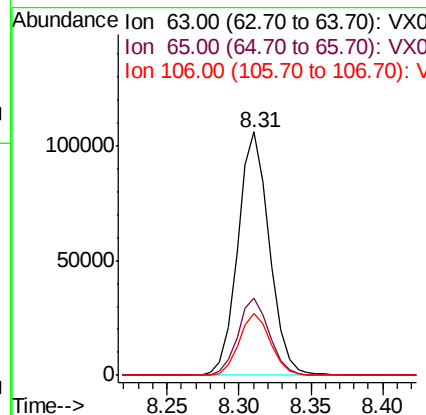
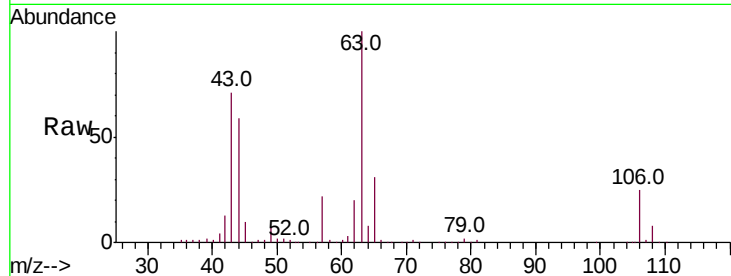
106 25.2 19.8 29.6

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#56

Bromoform

Concen: 20.718 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009479.D

Acq: 10 May 2019 13:37

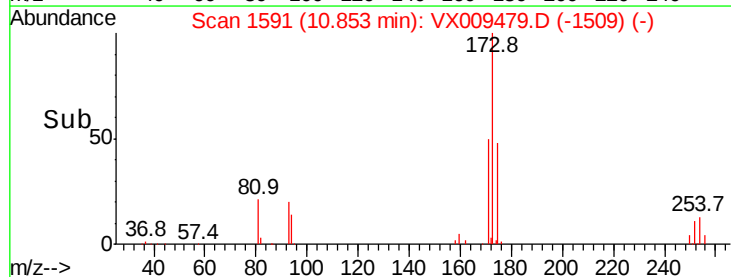
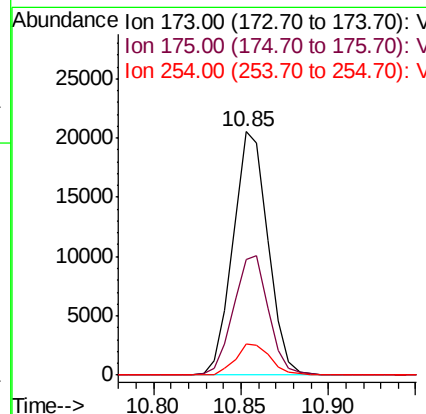
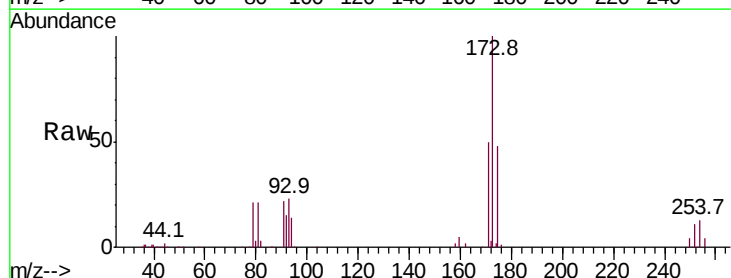
Tgt Ion:173 Resp: 28508

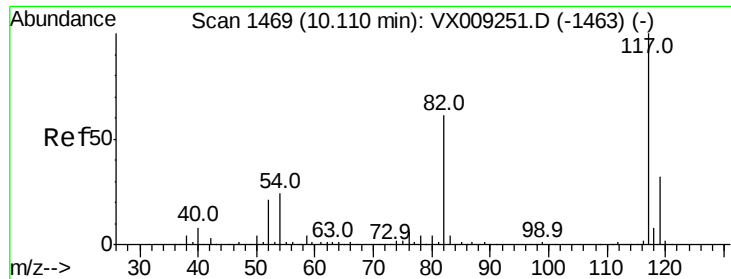
Ion Ratio Lower Upper

173 100

175 49.2 39.4 59.2

254 12.7 9.9 14.9





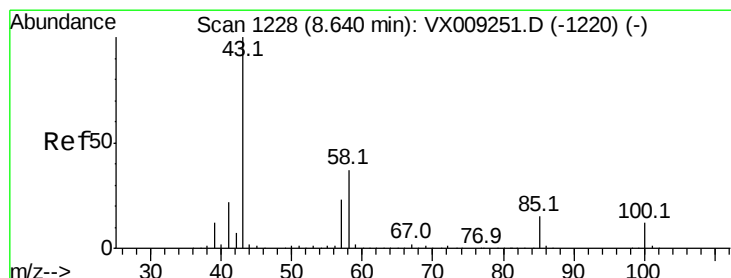
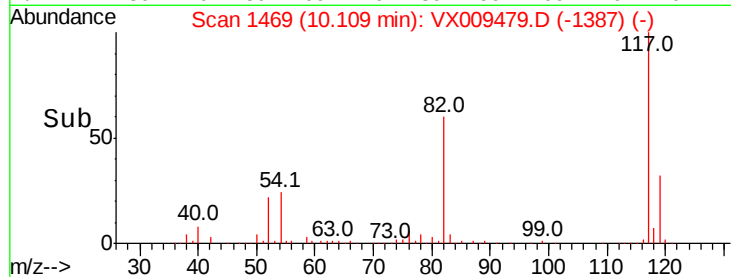
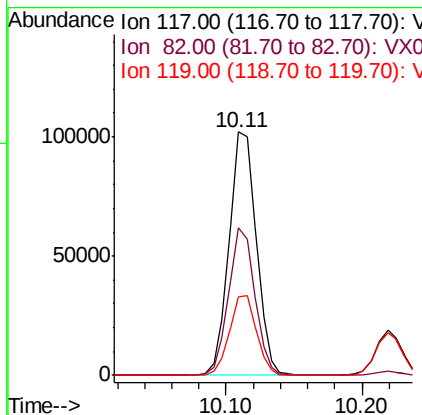
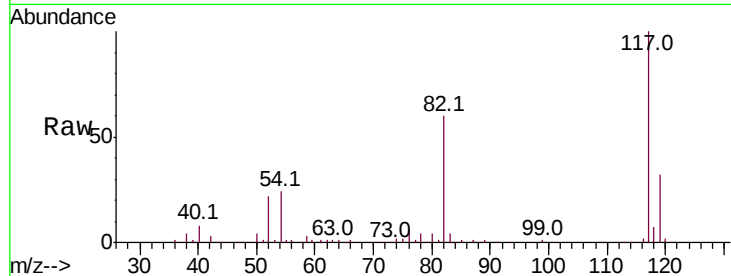
#57
 Chlorobenzene-d5
 Concen: 30.000 ug/l
 RT: 10.11 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VX009479.D
 Acq: 10 May 2019 13:37

Instrument :
 MSVOA_X
 ClientSampled :
 VX0510WBSD01

Tot Ion:	117	Resp:	142602
Ion Ratio	Lower	Upper	
117	100		
82	58.5	47.8	71.8
119	32.5	25.6	38.4

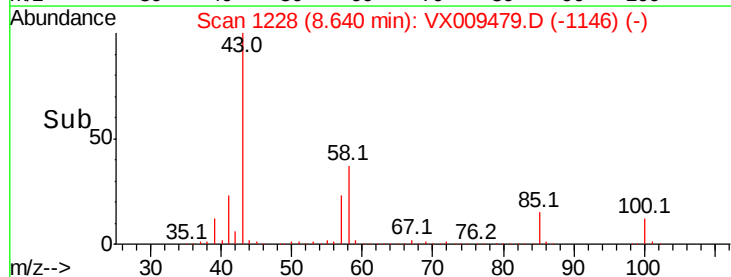
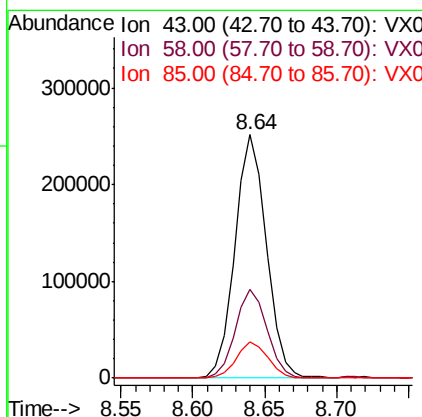
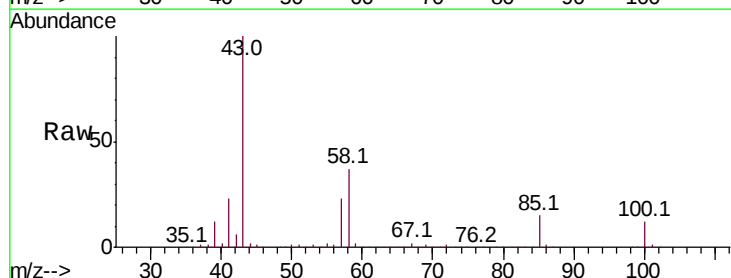
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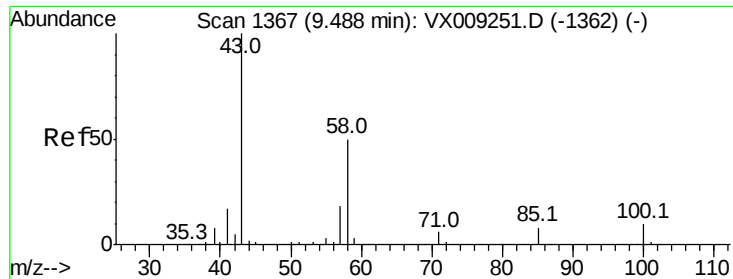
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#58
 4-Methyl-2-Pentanone
 Concen: 109.241 ug/l
 RT: 8.64 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VX009479.D
 Acq: 10 May 2019 13:37

Tgt Ion:	43	Resp:	383045
Ion Ratio	Lower	Upper	
43	100		
58	36.7	29.4	44.0
85	14.9	11.8	17.8





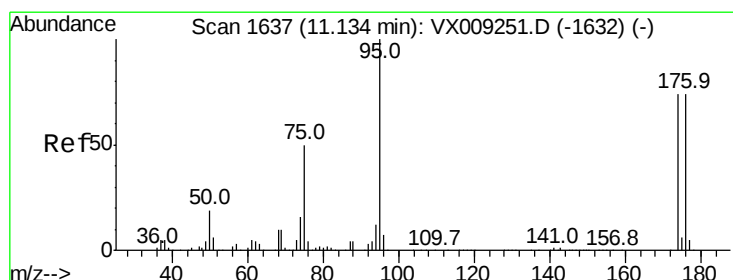
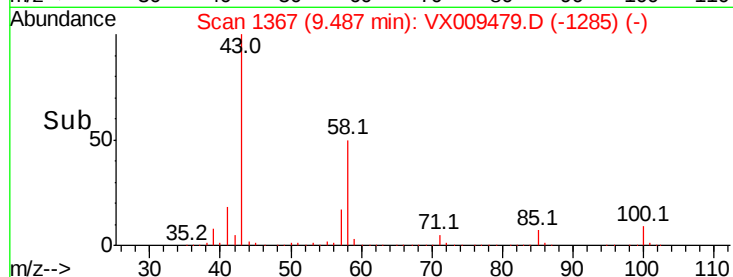
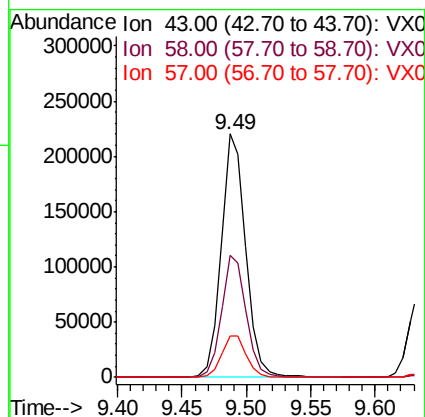
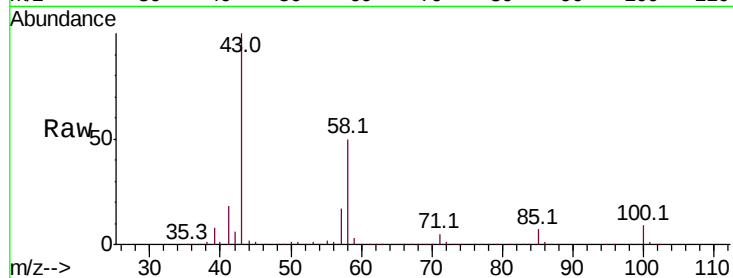
#59
2-Hexanone
Concen: 106.620 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009479.D
Acq: 10 May 2019 13:37

Instrument :
MSVOA_X
ClientSampleId :
VX0510WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.4	40.8	61.2
57	17.9	14.1	21.1

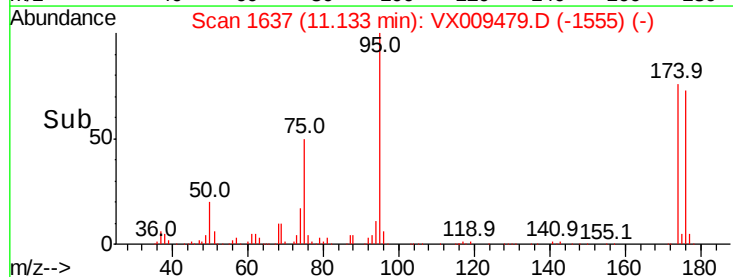
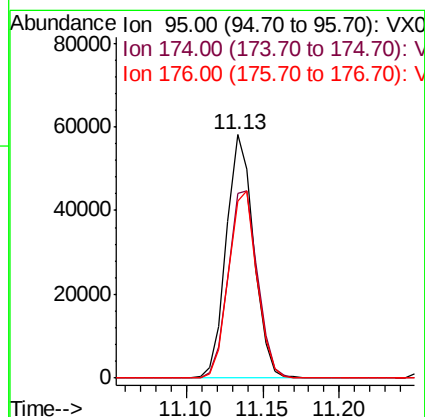
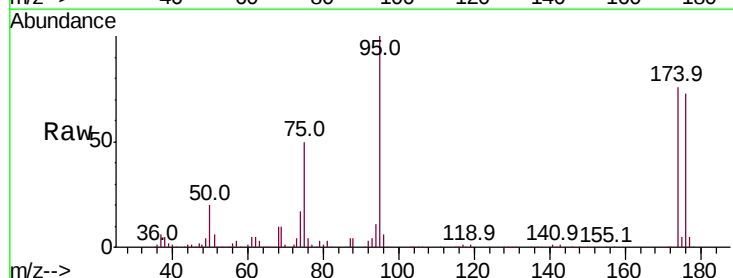
Manual Integrations
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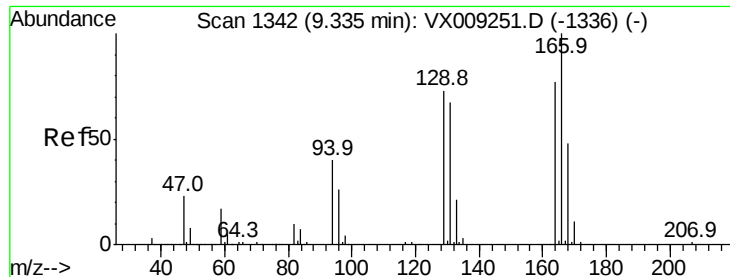
MMDadoda
5/11/2019 11:52:05 AM



#60
4-Bromofluorobenzene
Concen: 29.948 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009479.D
Acq: 10 May 2019 13:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.8	63.6	95.4
176	79.0	62.4	93.6





#61

Tetrachloroethene

Concen: 22.000 ug/l

RT: 9.33 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX009479.D

Acq: 10 May 2019 13:37

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBSD01

Tot Ion:164 Resp: 34584

Ion Ratio Lower Upper

164 100

166 126.4 104.1 156.1

129 91.3 76.0 114.0

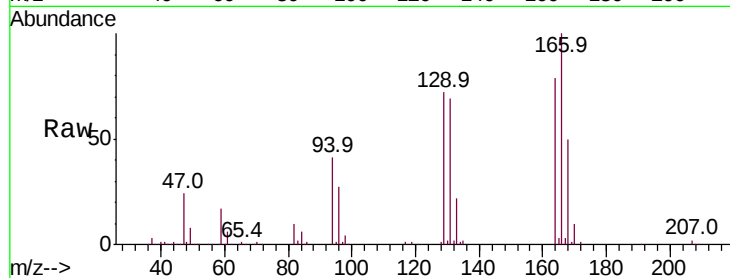
131 86.8 70.1 105.1

Manual Integrations

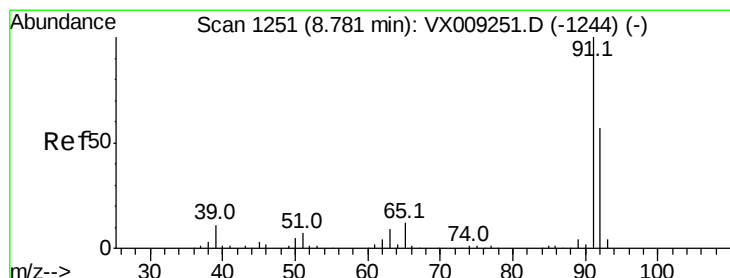
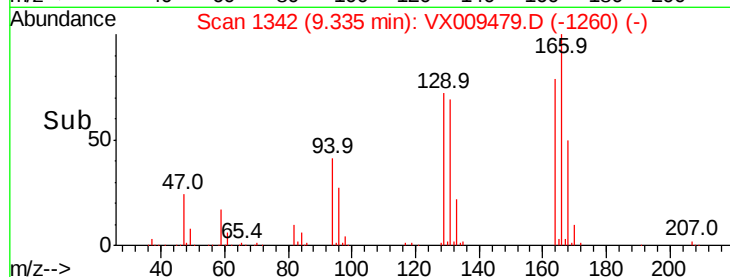
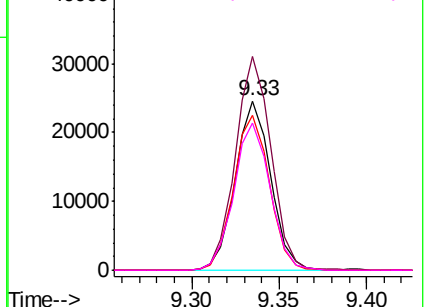
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Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 22.395 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX009479.D

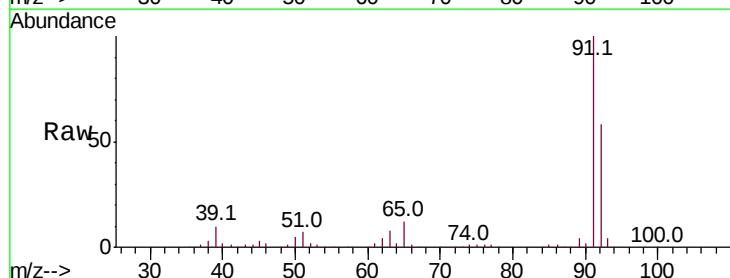
Acq: 10 May 2019 13:37

Tgt Ion: 91 Resp: 170650

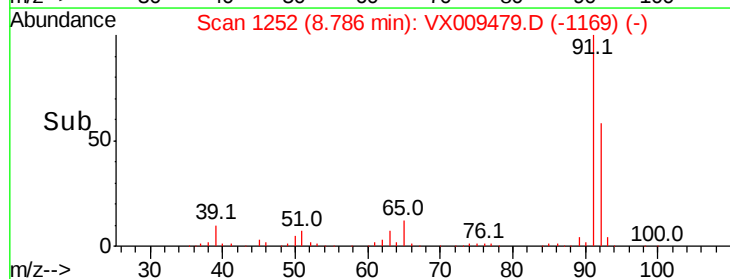
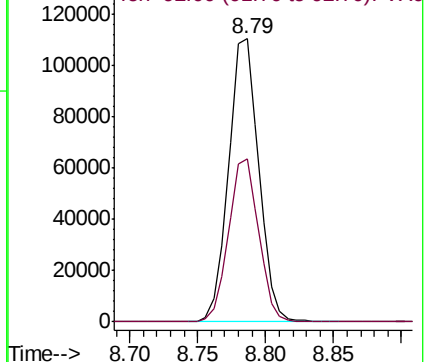
Ion Ratio Lower Upper

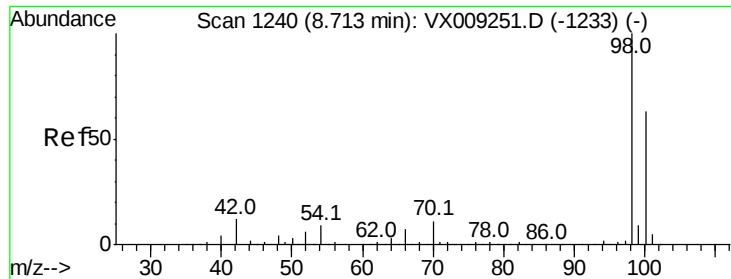
91 100

92 57.5 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: 30.152 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009479.D

Acq: 10 May 2019 13:37

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBSD01

Tot Ion: 98 Resp: 203854

Ion Ratio Lower Upper

98 100

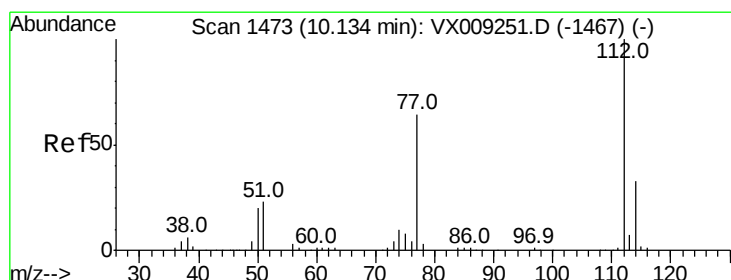
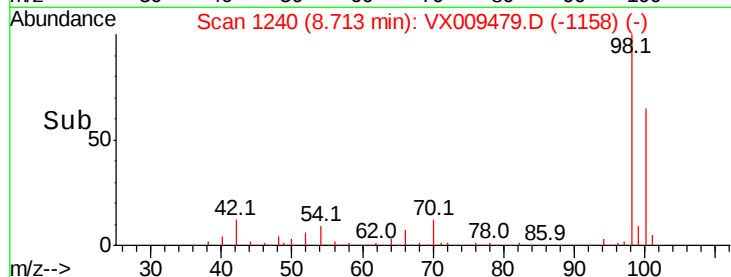
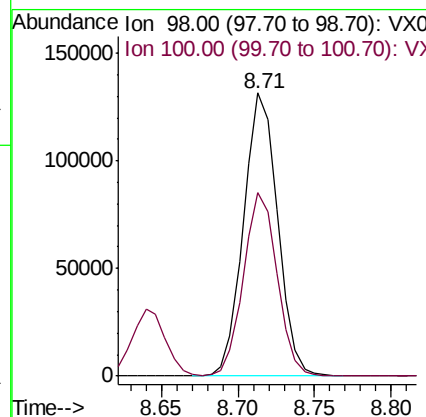
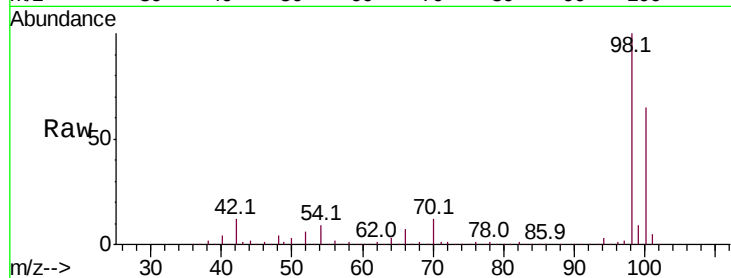
100 64.1 52.3 78.5

Manual Integrations

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#64

Chlorobenzene

Concen: 22.103 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX009479.D

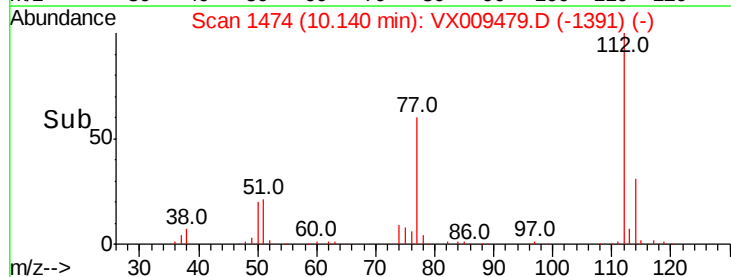
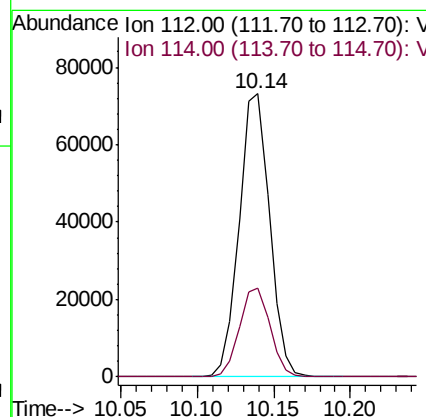
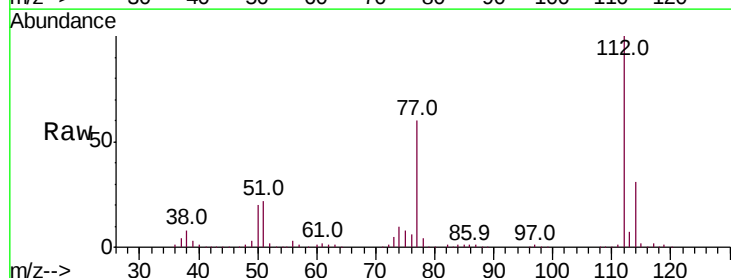
Acq: 10 May 2019 13:37

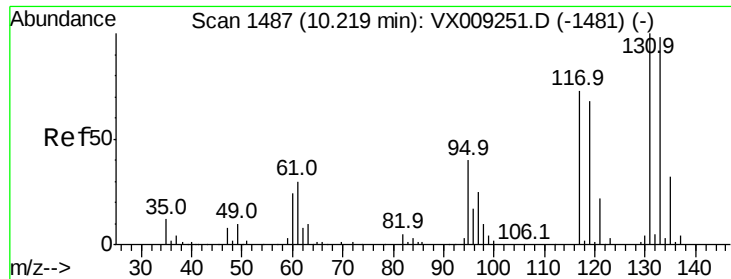
Tgt Ion: 112 Resp: 101363

Ion Ratio Lower Upper

112 100

114 31.3 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 21.841 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX009479.D

Acq: 10 May 2019 13:37

Instrument :

MSVOA_X

ClientSampled :

VX0510WBSD01

Tot Ion:131 Resp: 36675

Ion Ratio Lower Upper

131 100

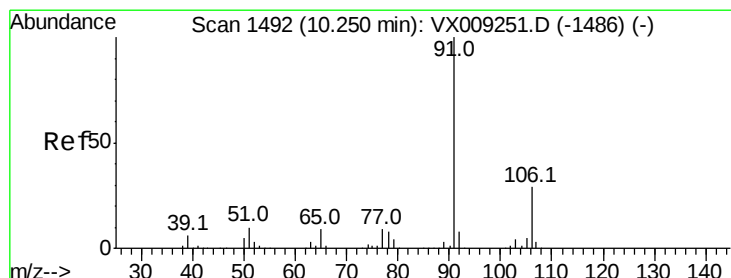
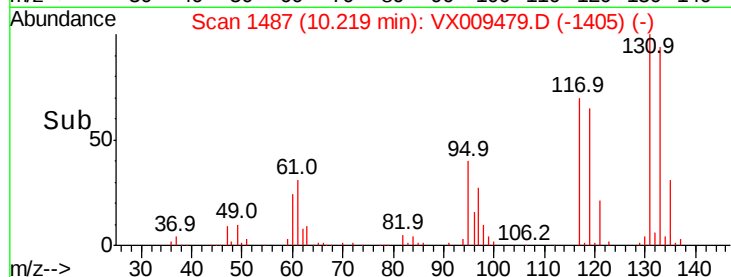
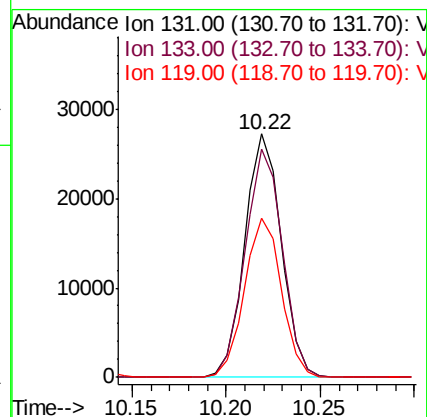
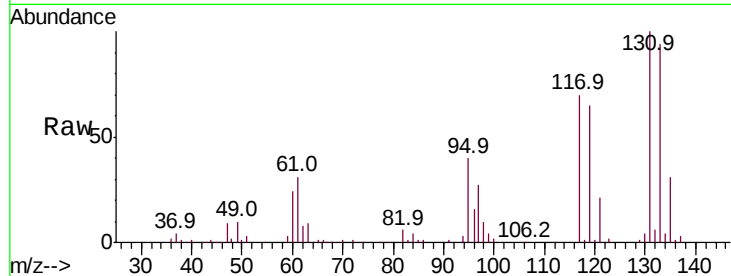
133 95.5 0.0 191.2

119 66.2 0.0 135.4

Manual Integrations
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#66

Ethyl Benzene

Concen: 22.117 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009479.D

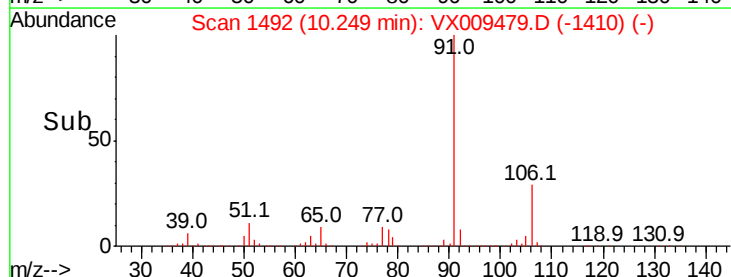
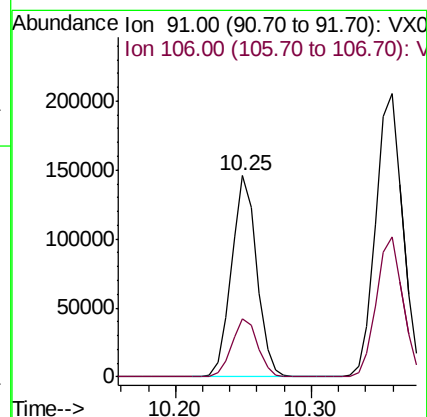
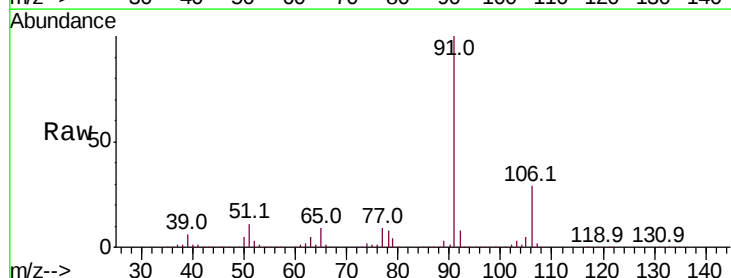
Acq: 10 May 2019 13:37

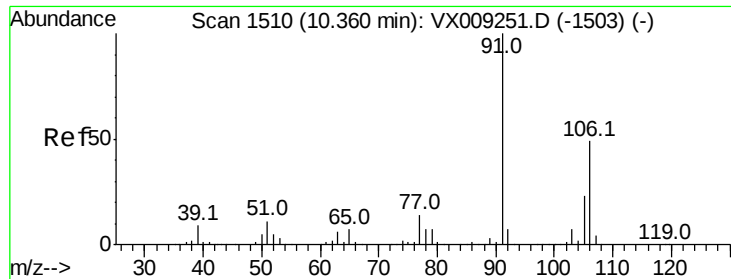
Tgt Ion: 91 Resp: 187746

Ion Ratio Lower Upper

91 100

106 29.2 23.5 35.3





#67

m/p-Xvlenes

Concen: 44.416 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009479.D

Acq: 10 May 2019 13:37

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBSD01

Tot Ion:106 Resp: 137659

Ion Ratio Lower Upper

106 100

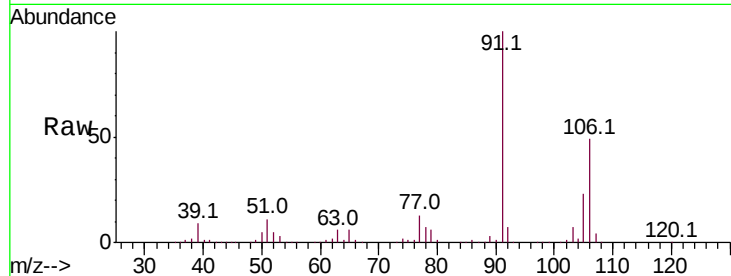
91 205.1 166.8 250.2

Manual Integrations

APPROVED

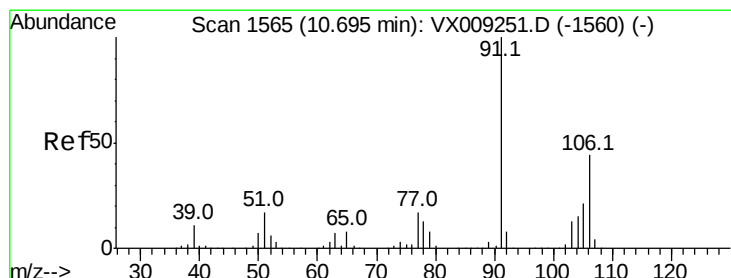
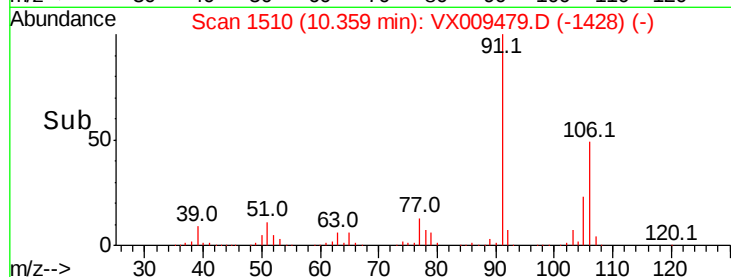
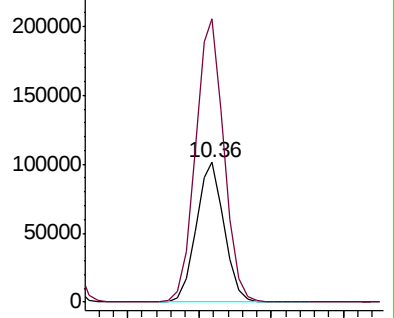
MMDadoda

5/11/2019 11:52:05 AM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 21.887 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VX009479.D

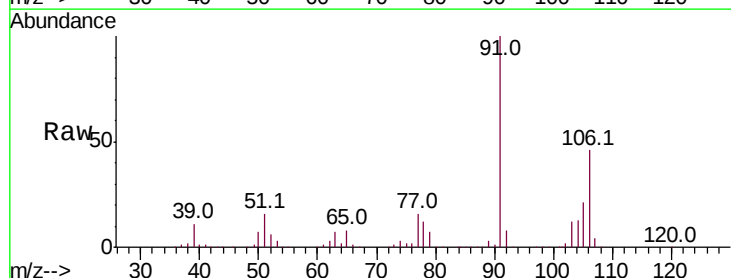
Acq: 10 May 2019 13:37

Tgt Ion:106 Resp: 66702

Ion Ratio Lower Upper

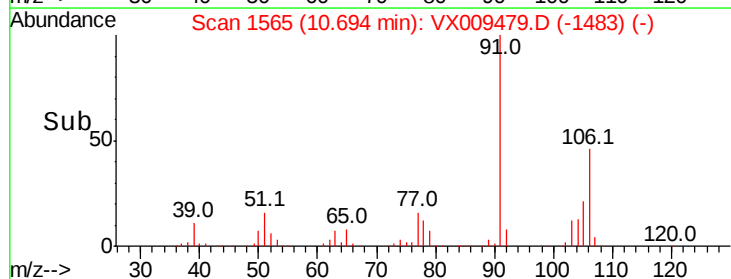
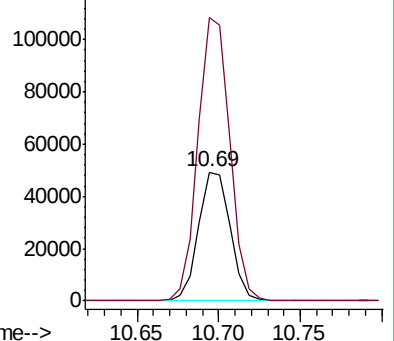
106 100

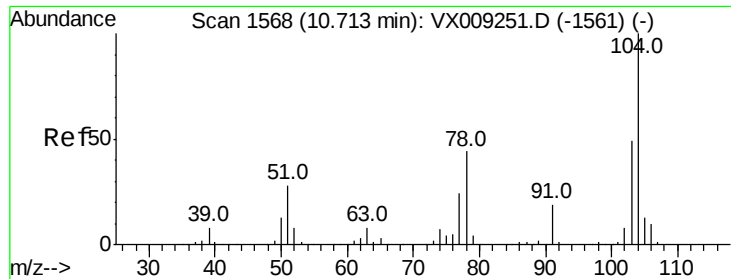
91 220.2 110.8 332.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





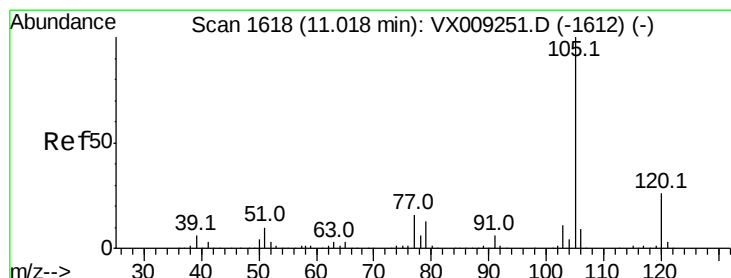
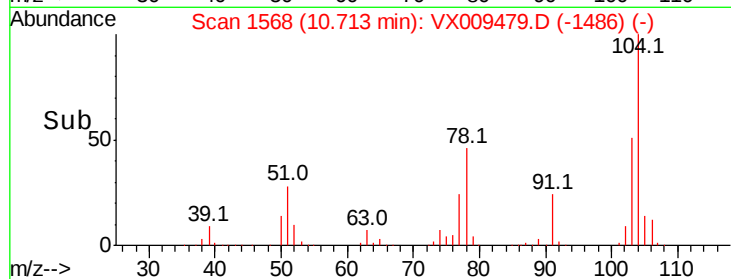
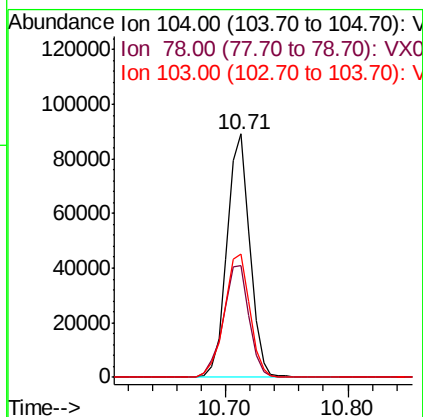
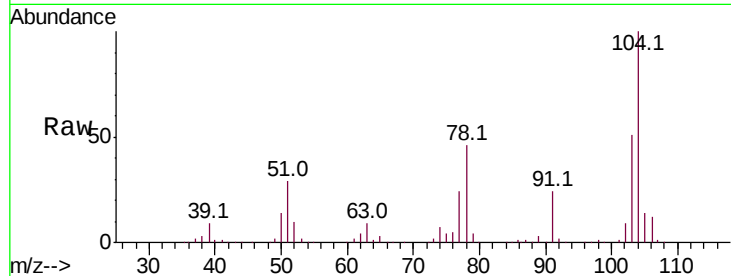
#69
Stvrene
Concen: 21.463 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009479.D
Acq: 10 May 2019 13:37

Instrument :
MSVOA_X
ClientSampleId :
VX0510WBSD01

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.0	41.1	61.7
103	56.3	43.8	65.8

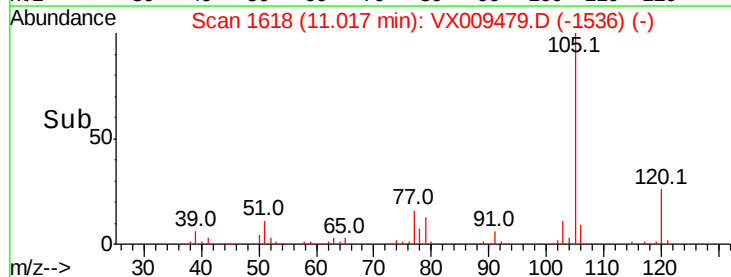
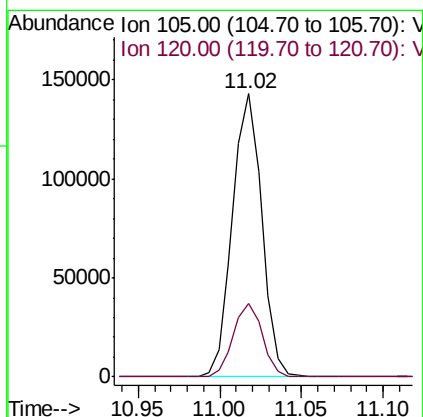
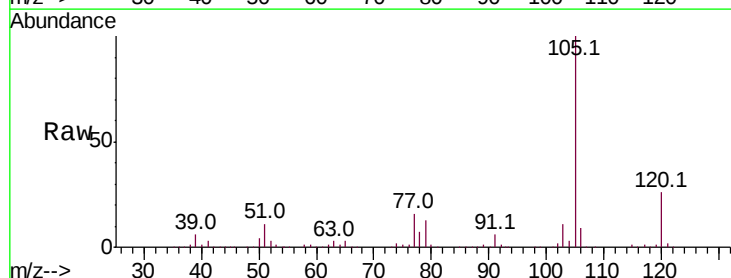
Manual Integrations
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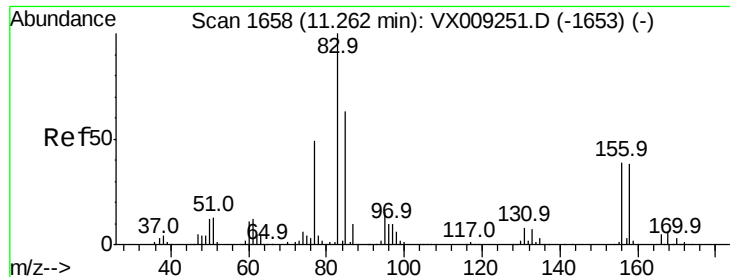
MMDadoda
5/11/2019 11:52:05 AM



#70
Isopropylbenzene
Concen: 21.928 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX009479.D
Acq: 10 May 2019 13:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.7	18.1	33.7





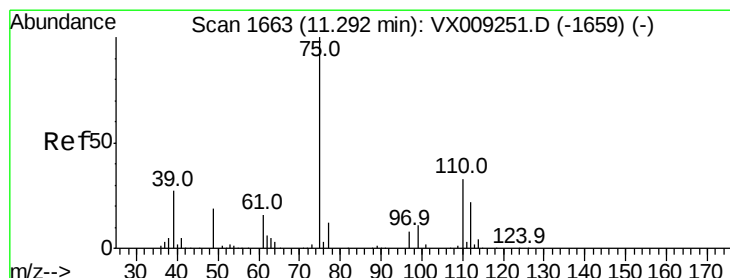
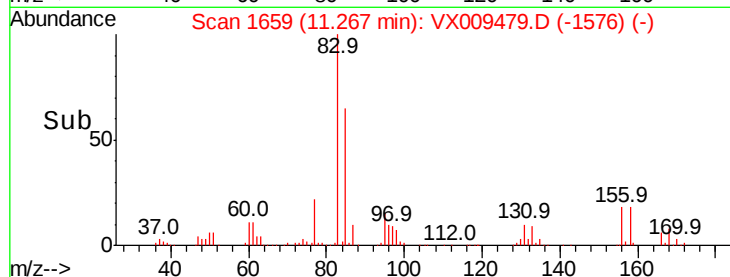
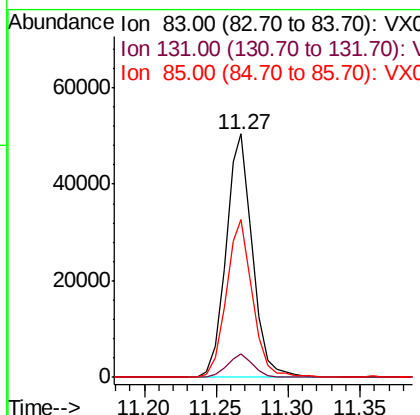
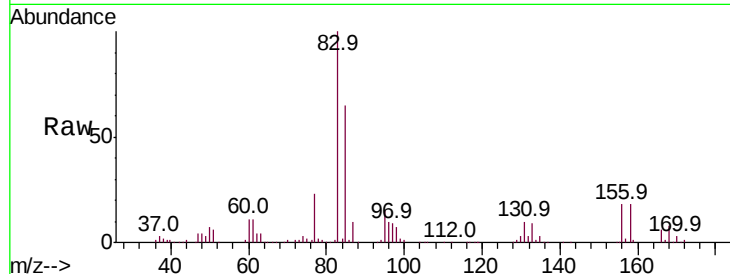
#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.659 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. 0.01 min
 Lab File: VX009479.D
 Acq: 10 May 2019 13:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBSD01

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

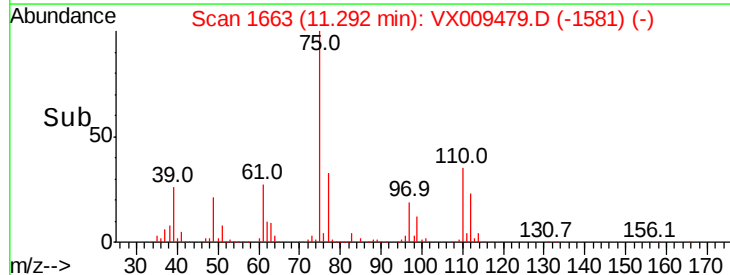
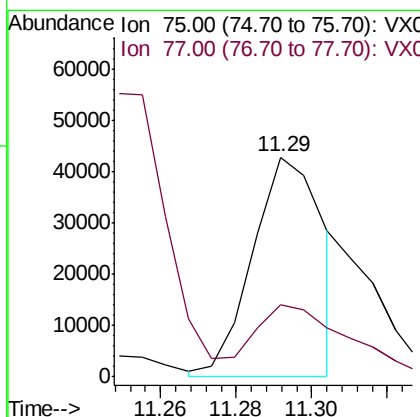
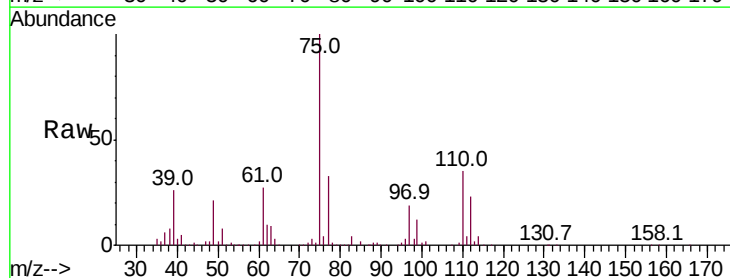
Manual Integrations
 APPROVED

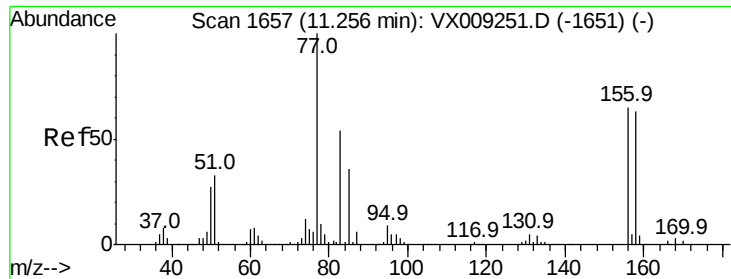
MMDadoda
 5/11/2019 11:52:05 AM



#72
 1,2,3-Trichloropropane
 Concen: 21.445 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. -0.00 min
 Lab File: VX009479.D
 Acq: 10 May 2019 13:37

Tgt Ion	Ratio	Lower	Upper
75	100		
77	44.8	0.0	86.4





#73

Bromobenzene

Concen: 21.760 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009479.D

Acq: 10 May 2019 13:37

Instrument :

MSVOA_X

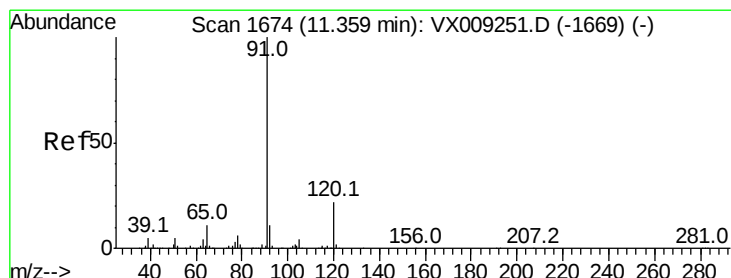
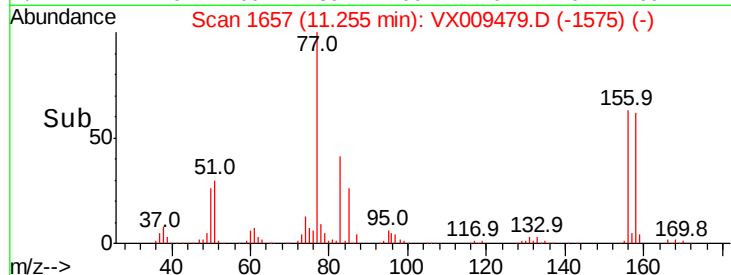
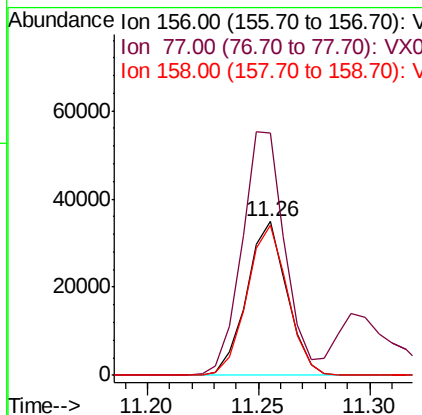
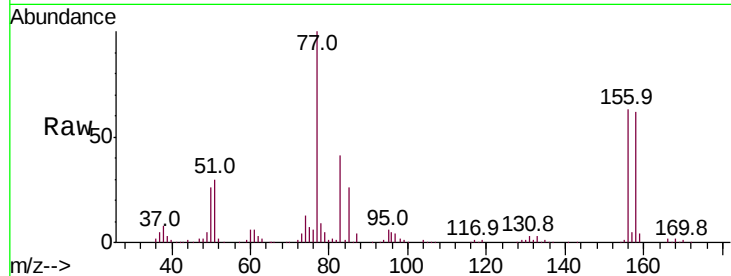
ClientSampled :

VX0510WBSD01

Tot Ion:	156	Resp:	44065
Ion	Ratio	Lower	Upper
156	100		
77	167.4	0.0	335.6
158	98.0	0.0	191.2

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#74

n-propylbenzene

Concen: 21.488 ug/l

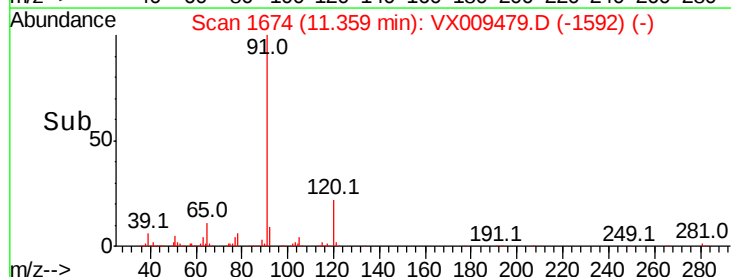
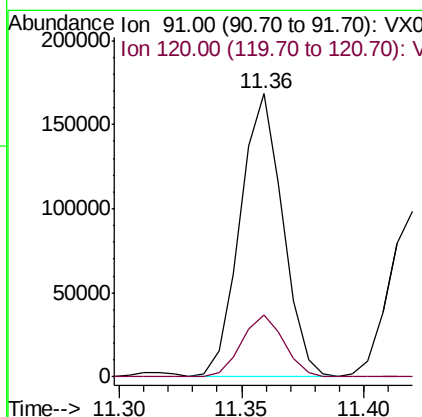
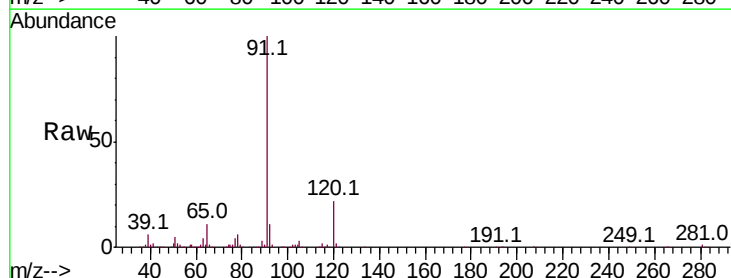
RT: 11.36 min Scan# 1674

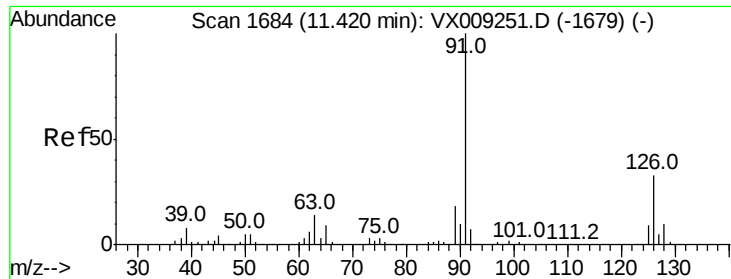
Delta R.T. -0.00 min

Lab File: VX009479.D

Acq: 10 May 2019 13:37

Tgt Ion:	91	Resp:	204083
Ion	Ratio	Lower	Upper
91	100		
120	21.7	0.0	43.4





#75

2-Chlorotoluene

Concen: 21.319 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009479.D

Acq: 10 May 2019 13:37

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBSD01

Tot Ion: 91 Resp: 121449

Ion Ratio Lower Upper

91 100

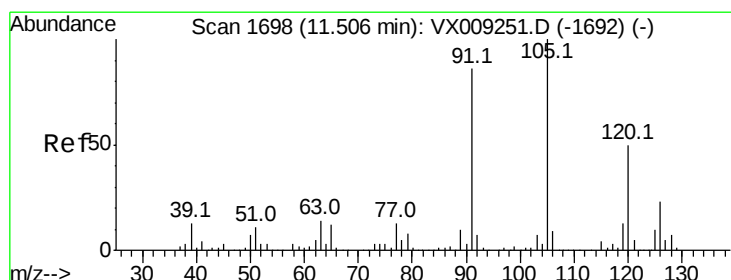
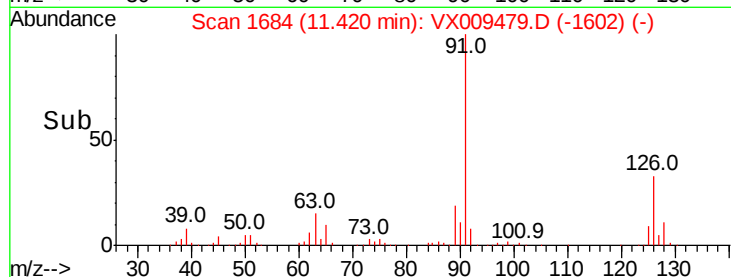
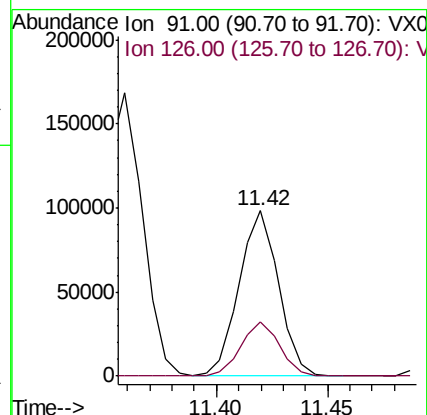
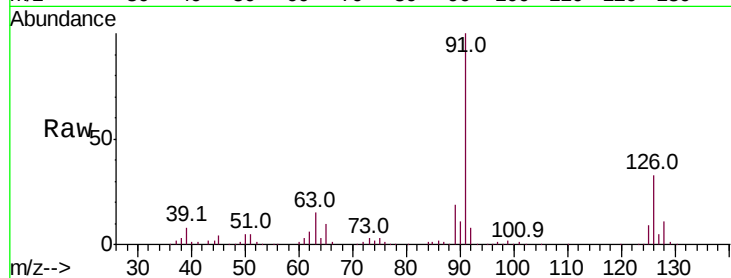
126 32.3 0.0 64.0

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 21.712 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009479.D

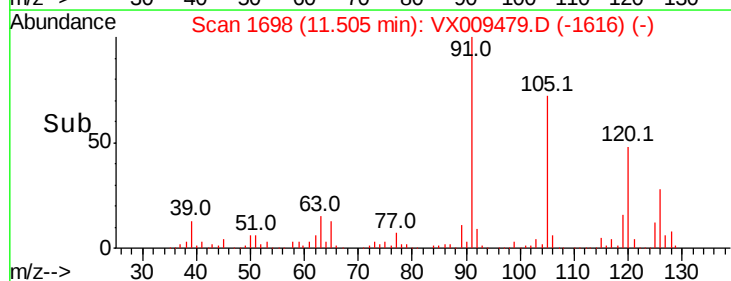
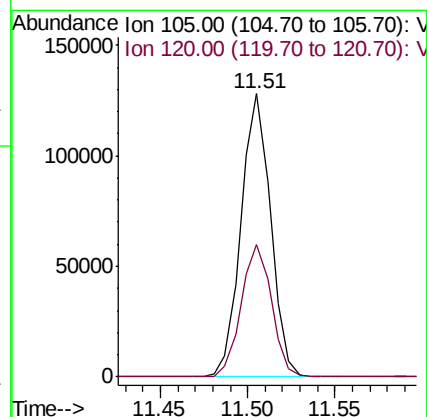
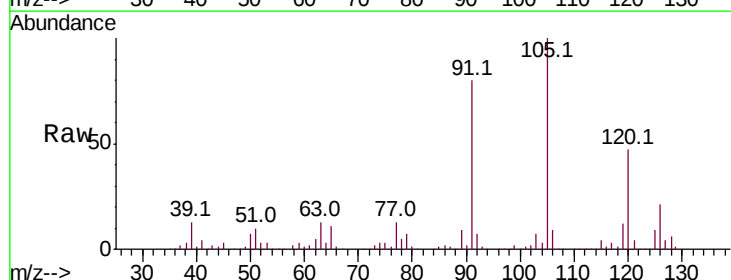
Acq: 10 May 2019 13:37

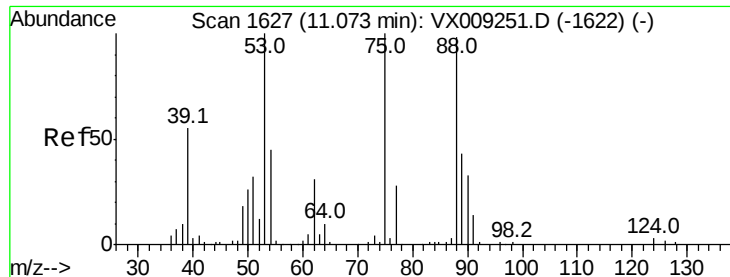
Tgt Ion: 105 Resp: 150735

Ion Ratio Lower Upper

105 100

120 47.4 0.0 97.4





#77

t-1,4-Dichloro-2-butene

Concen: 19.685 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009479.D

Acq: 10 May 2019 13:37

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBSD01

Tot Ion: 75 Resp: 20539

Ion Ratio Lower Upper

75 100

53 103.7 50.0 149.8

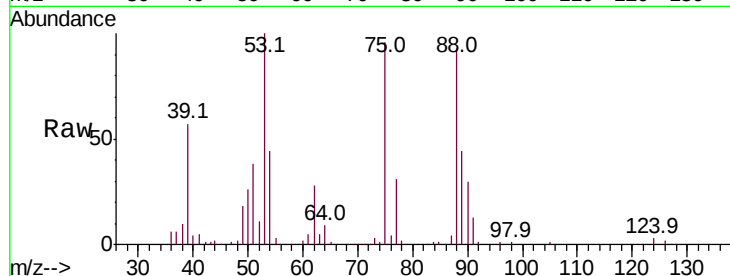
89 45.5 21.6 65.0

Manual Integrations

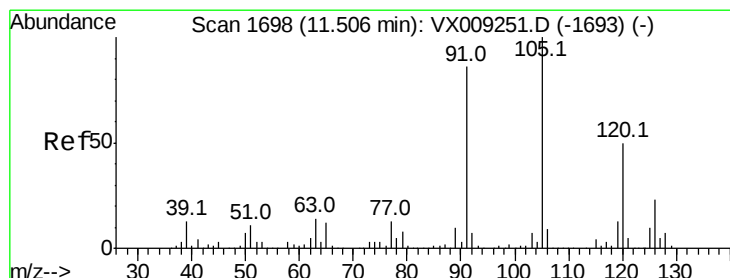
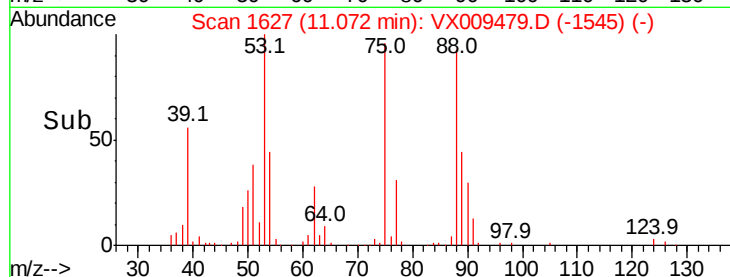
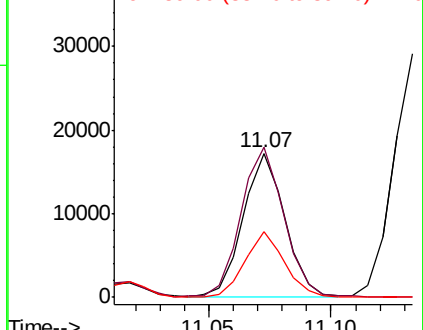
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Abundance Ion 75.00 (74.70 to 75.70): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 89.00 (88.70 to 89.70): VX0



#78

4-Chlorotoluene

Concen: 21.503 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX009479.D

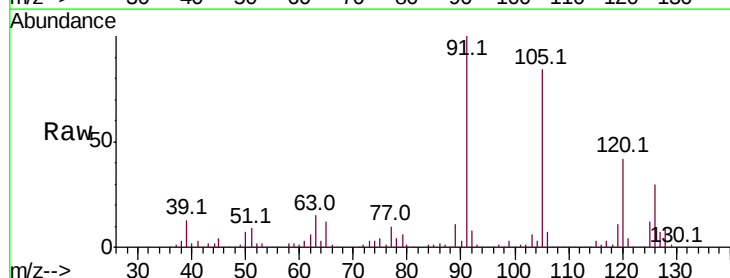
Acq: 10 May 2019 13:37

Tgt Ion: 91 Resp: 139127

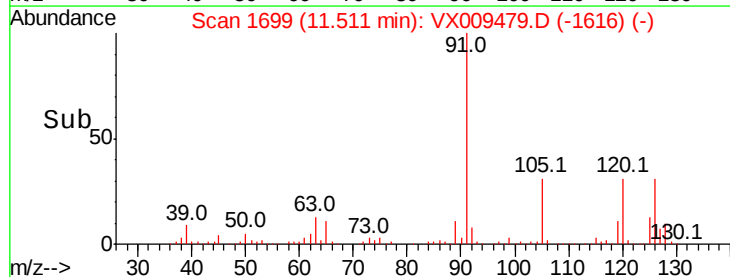
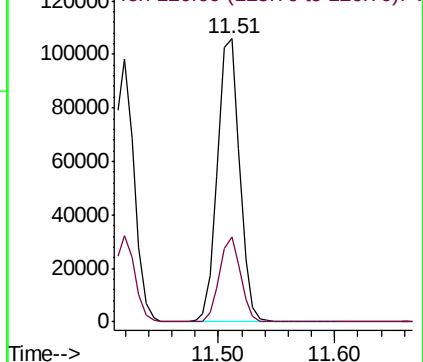
Ion Ratio Lower Upper

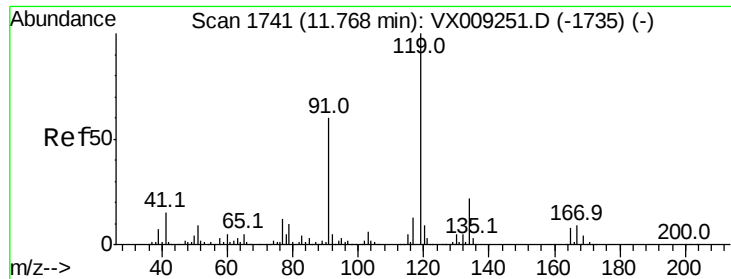
91 100

126 28.6 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: 21.633 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX009479.D

Acq: 10 May 2019 13:37

Instrument :

MSVOA_X

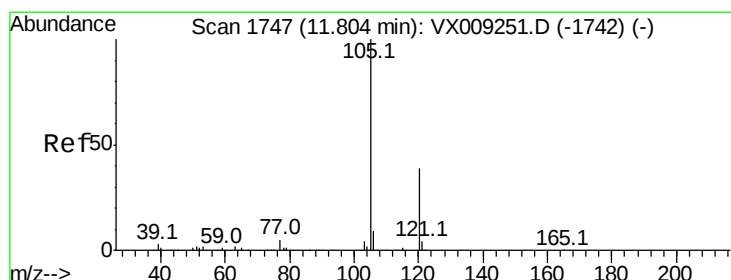
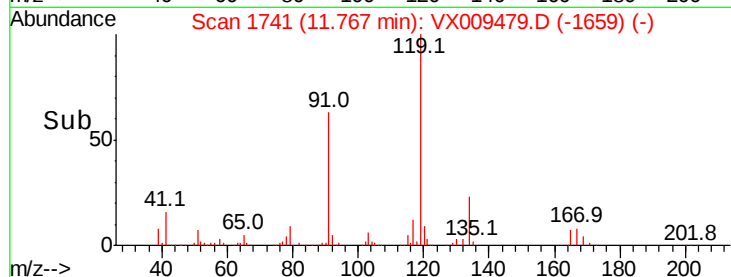
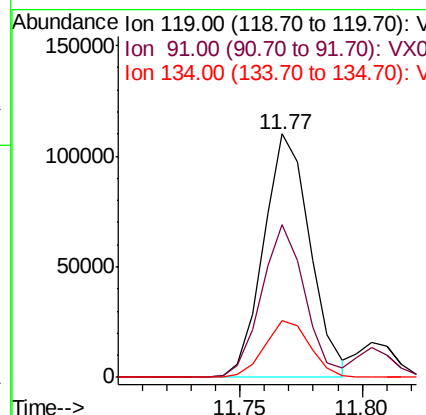
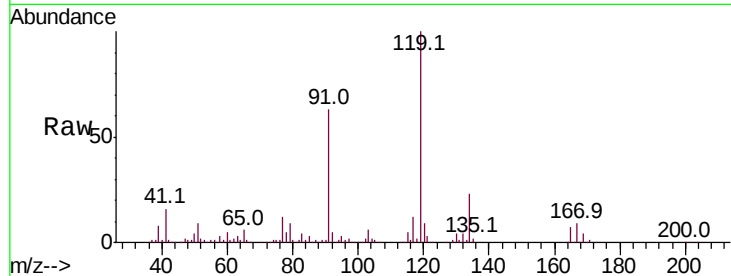
ClientSampled :

VX0510WBSD01

Tot Ion:	119	Resp:	145191
Ion Ratio	Lower	Upper	
119	100		
91	58.7	0.0	118.2
134	22.8	0.0	45.0

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#80

1,2,4-Trimethylbenzene

Concen: 21.486 ug/l

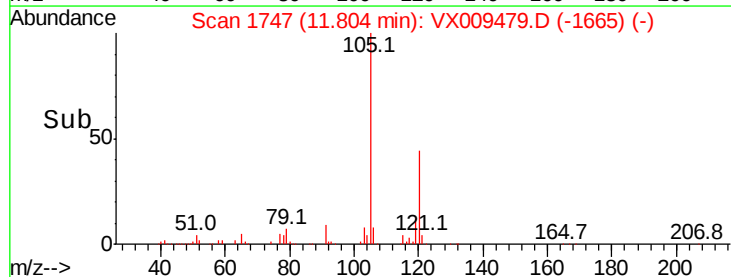
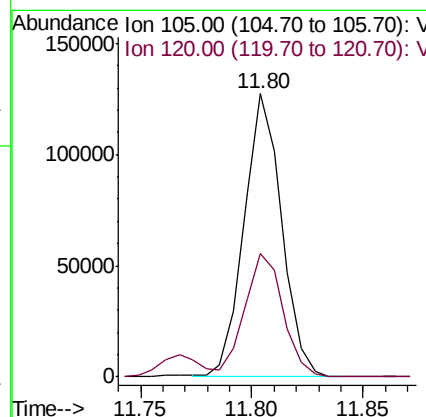
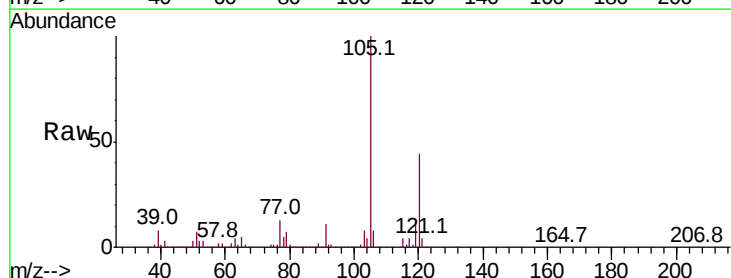
RT: 11.80 min Scan# 1747

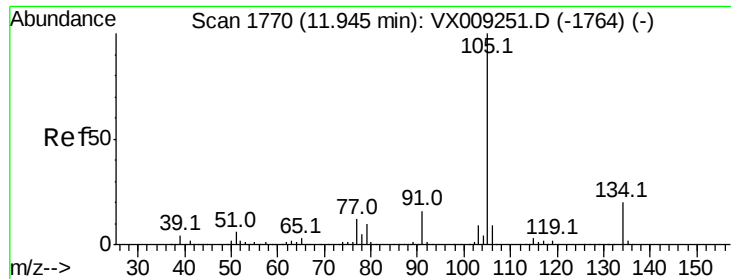
Delta R.T. -0.00 min

Lab File: VX009479.D

Acq: 10 May 2019 13:37

Tgt Ion:	105	Resp:	149507
Ion Ratio	Lower	Upper	
105	100		
120	44.4	0.0	89.6





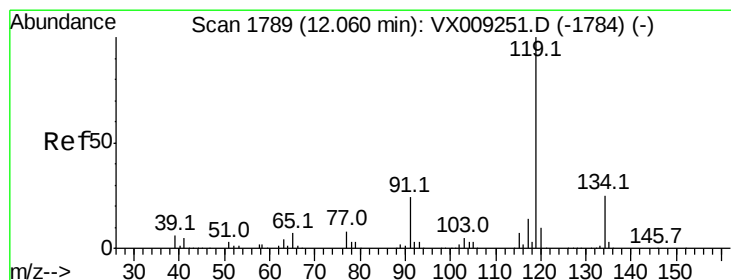
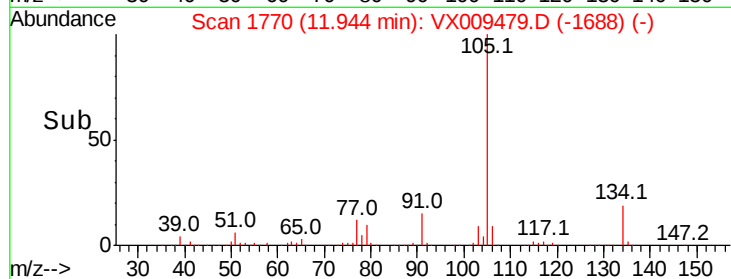
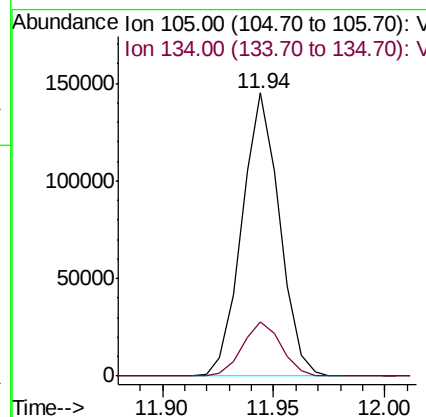
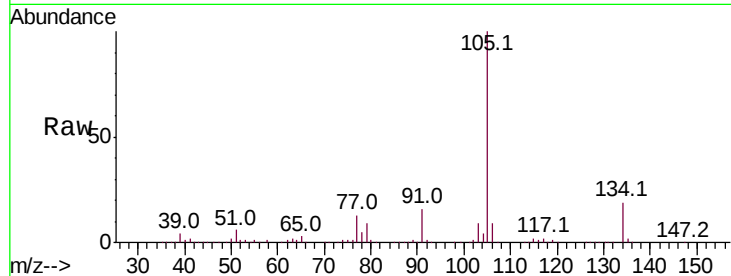
#81
 sec-Butylbenzene
 Concen: 21.401 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX009479.D
 Acq: 10 May 2019 13:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	170651		
134	19.7	0.0	38.6	

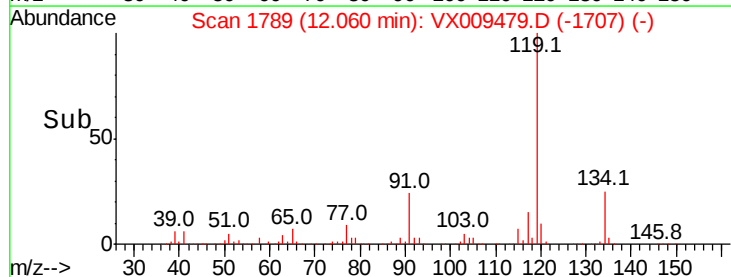
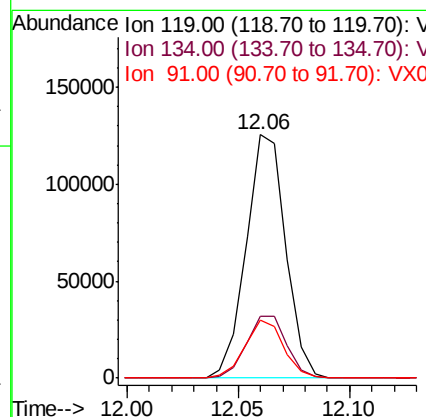
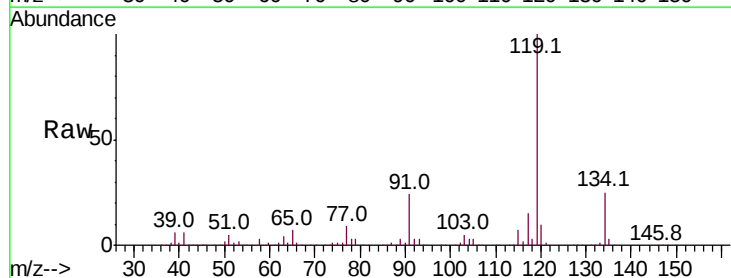
Manual Integrations
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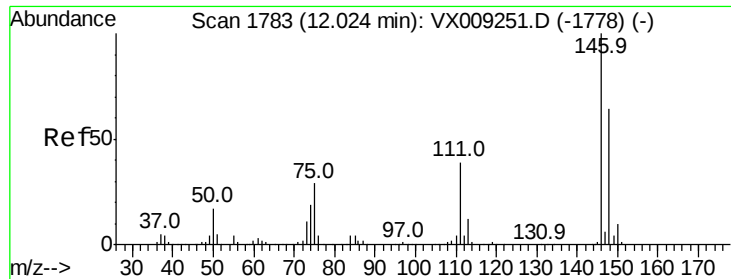
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#82
 p-Isopropyltoluene
 Concen: 21.484 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX009479.D
 Acq: 10 May 2019 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	155830		
134	25.7	0.0	50.8	
91	23.6	0.0	47.2	





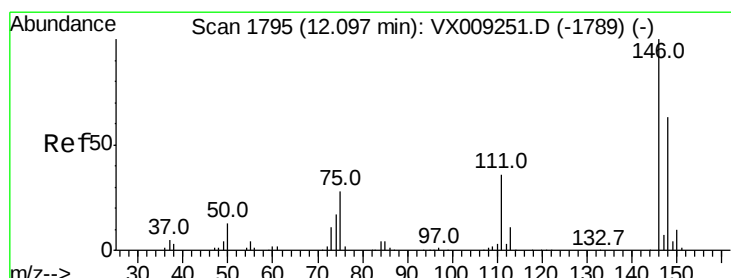
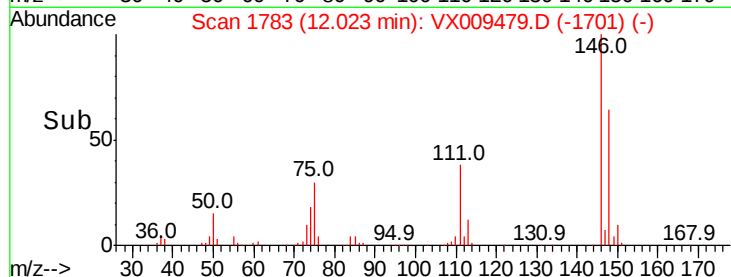
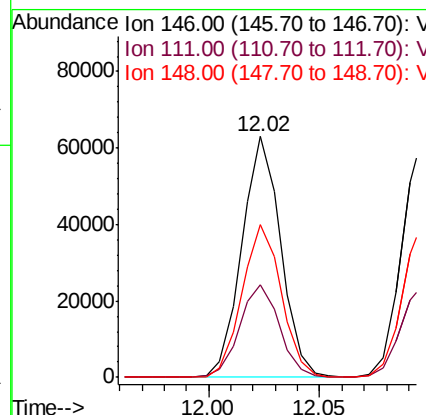
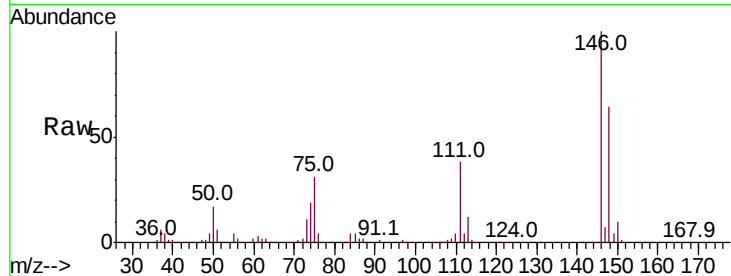
#83
 1,3-Dichlorobenzene
 Concen: 21.218 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009479.D
 Acq: 10 May 2019 13:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.0	60.0
148	64.2	32.2	96.6

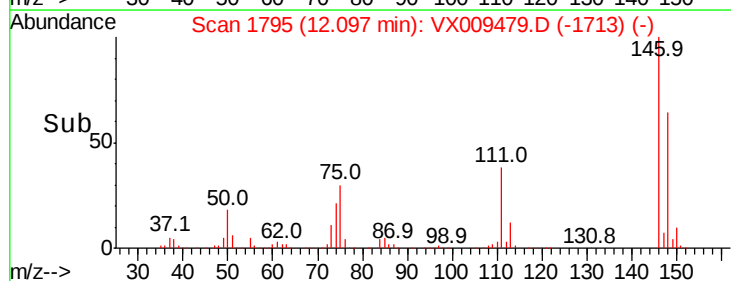
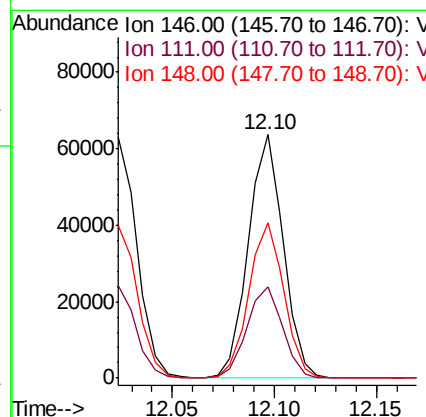
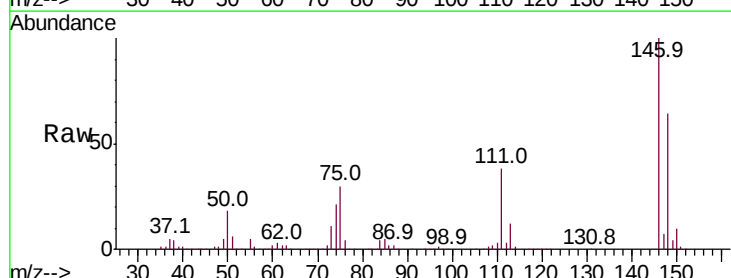
Manual Integrations
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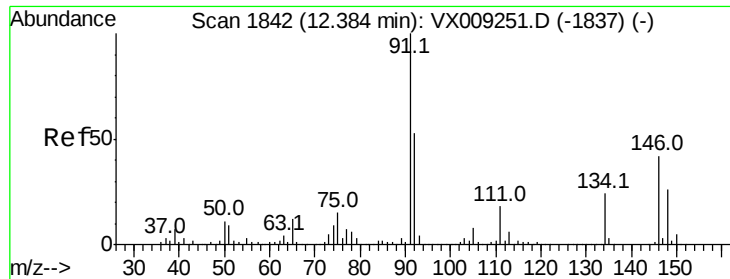
MMDadoda
 5/11/2019 11:52:05 AM



#84
 1,4-Dichlorobenzene
 Concen: 21.152 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009479.D
 Acq: 10 May 2019 13:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.6	58.7
148	64.0	32.3	96.8





#85

n-Butylbenzene

Concen: 20.359 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX009479.D

Acq: 10 May 2019 13:37

Instrument :

MSVOA_X

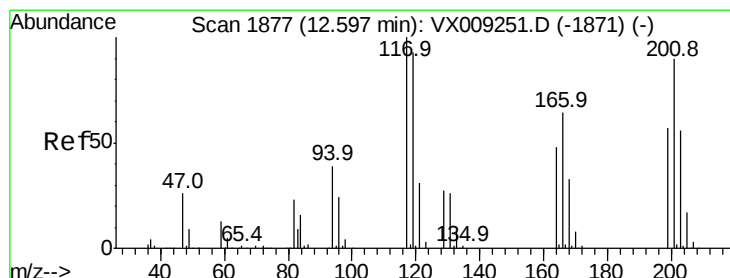
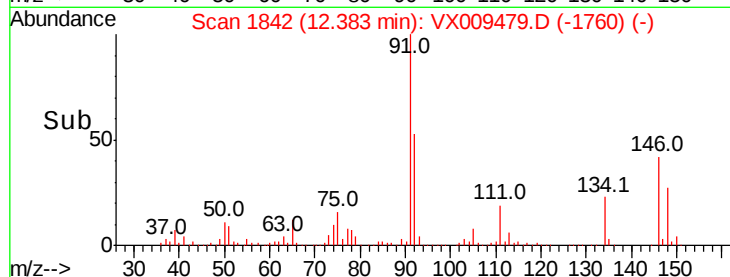
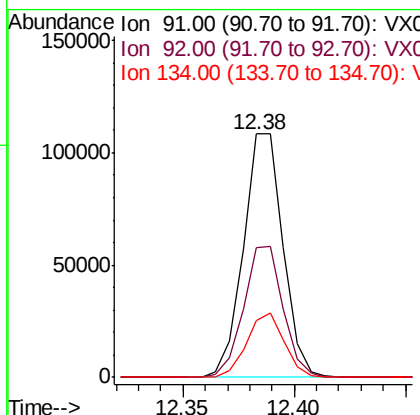
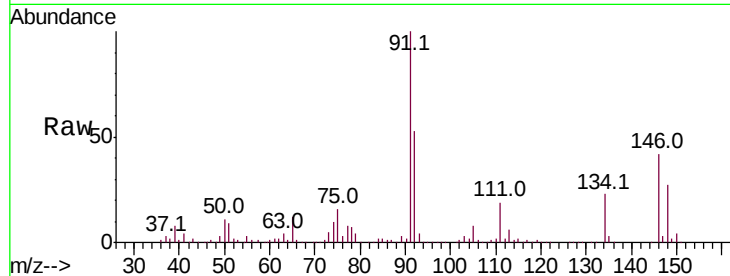
ClientSampleId :

VX0510WBSD01

Tot Ion:	91	Resp:	135126
Ion Ratio	Lower	Upper	
91	100		
92	53.5	0.0	106.6
134	25.1	0.0	50.0

Manual Integrations
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#86

Hexachloroethane

Concen: 20.464 ug/l

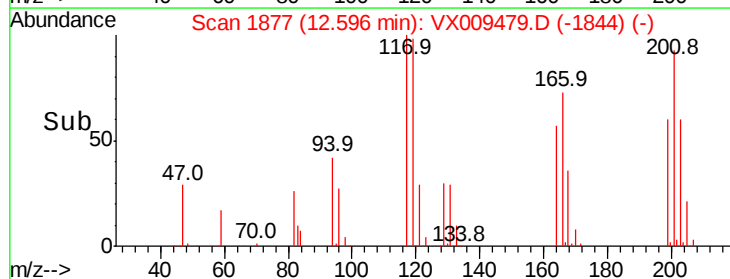
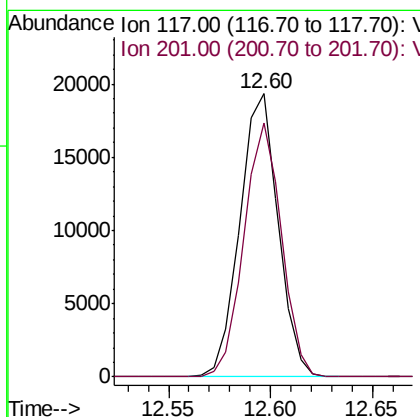
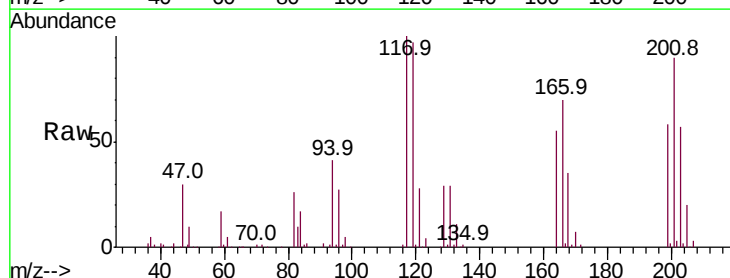
RT: 12.60 min Scan# 1877

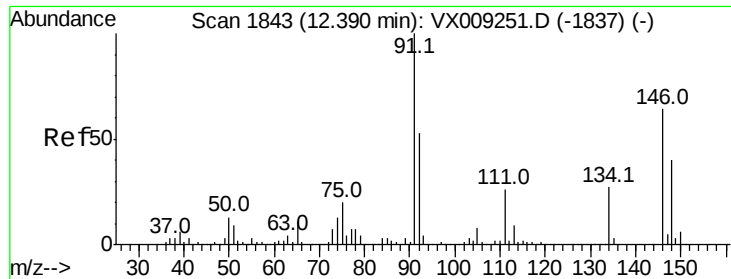
Delta R.T. -0.00 min

Lab File: VX009479.D

Acq: 10 May 2019 13:37

Tgt Ion:	117	Resp:	25258
Ion Ratio	Lower	Upper	
117	100		
201	87.6	41.8	125.4





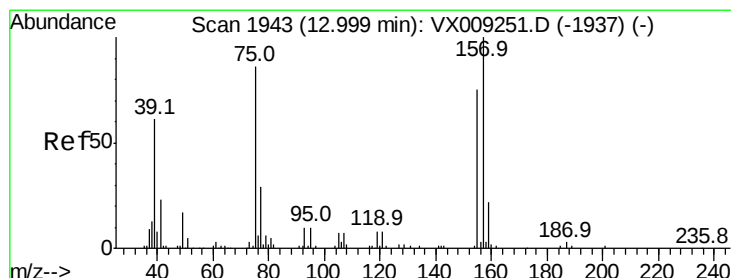
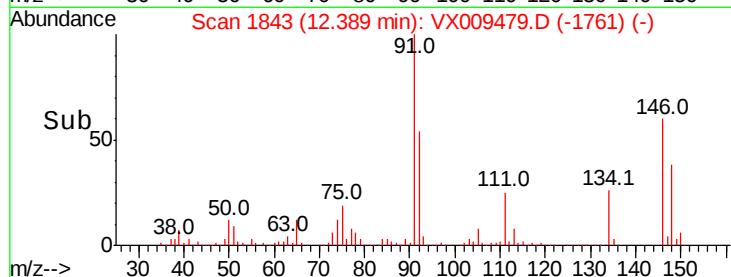
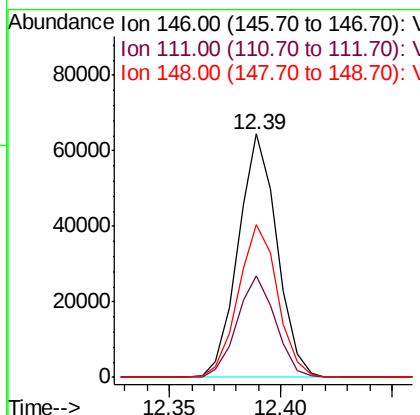
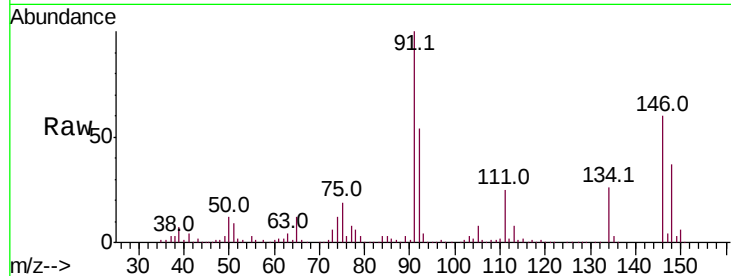
#87
 1,2-Dichlorobenzene
 Concen: 21.482 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009479.D
 Acq: 10 May 2019 13:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.8	62.2
148	63.9	31.4	94.3

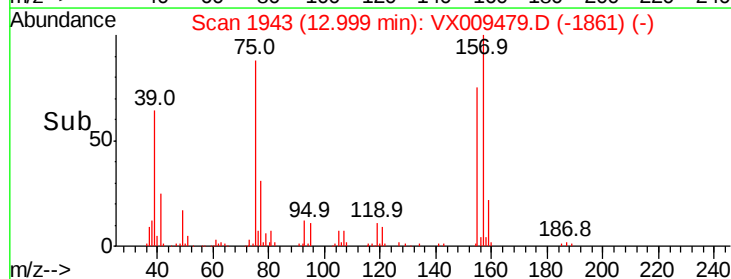
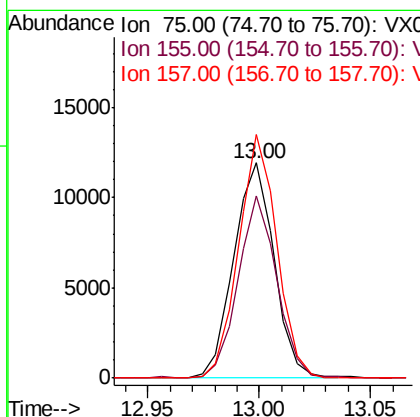
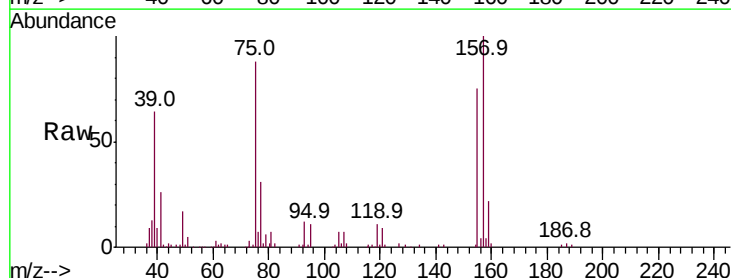
Manual Integrations
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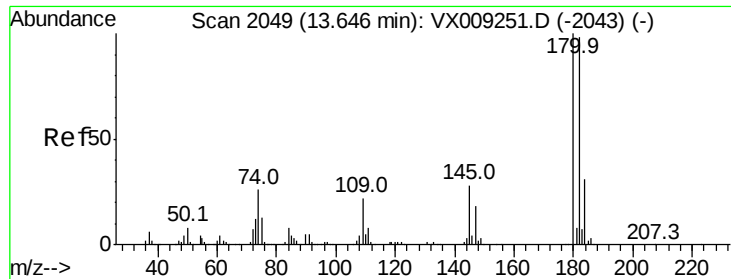
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 21.537 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009479.D
 Acq: 10 May 2019 13:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.3	65.9	98.9
157	107.4	85.2	127.8





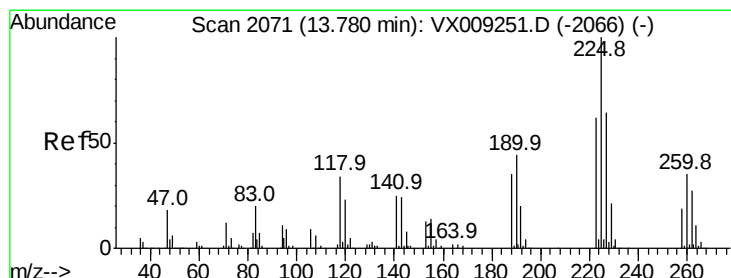
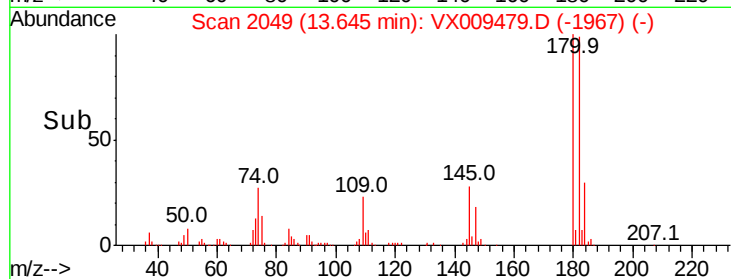
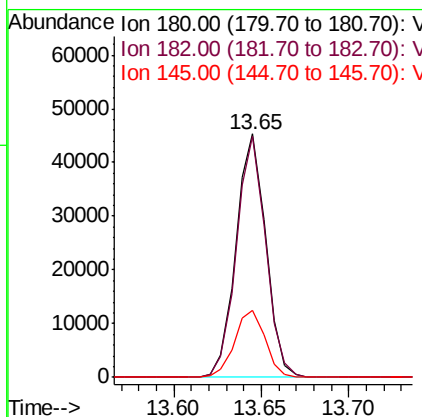
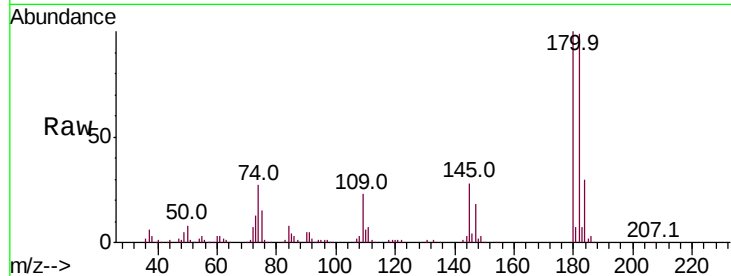
#89
 1,2,4-Trichlorobenzene
 Concen: 20.748 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009479.D
 Acq: 10 May 2019 13:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBSD01

Tot Ion:	180	Resp:	53835
Ion Ratio	Lower	Upper	
180	100		
182	96.9	76.9	115.3
145	28.2	23.0	34.6

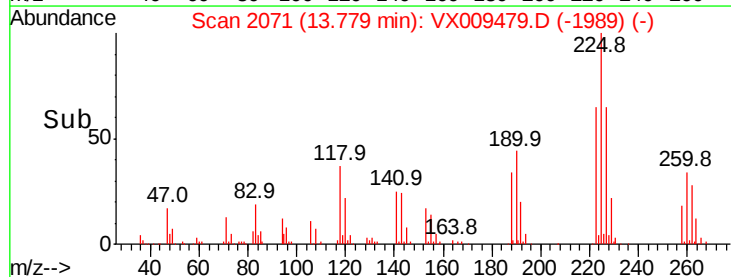
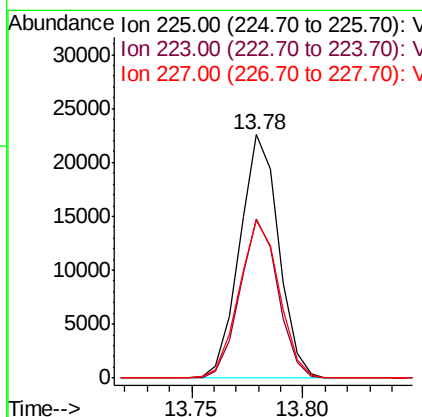
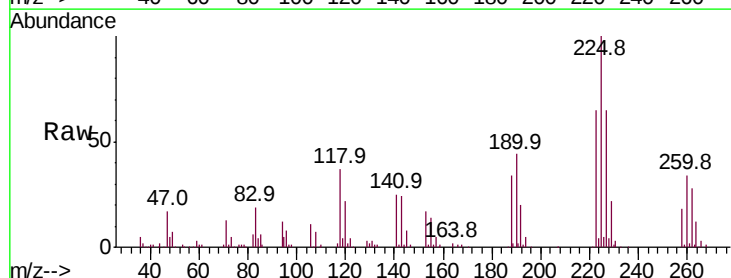
Manual Integrations
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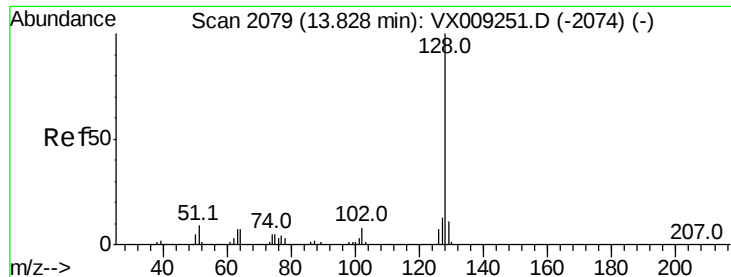
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#90
 Hexachlorobutadiene
 Concen: 21.331 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009479.D
 Acq: 10 May 2019 13:37

Tgt Ion:	225	Resp:	27647
Ion Ratio	Lower	Upper	
225	100		
223	63.4	0.0	126.6
227	66.4	0.0	130.0





#91

Naphthalene

Concen: 21.718 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX009479.D

Acq: 10 May 2019 13:37

Instrument :

MSVOA_X

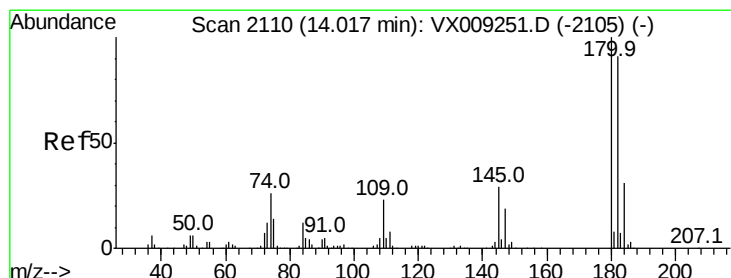
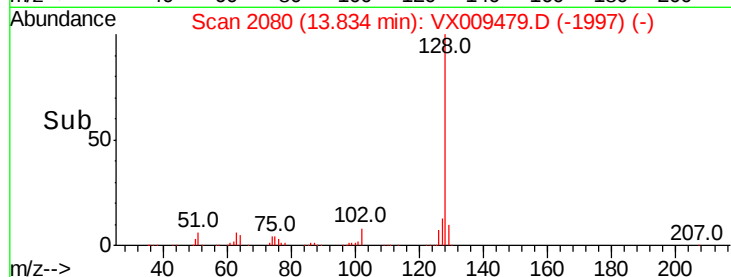
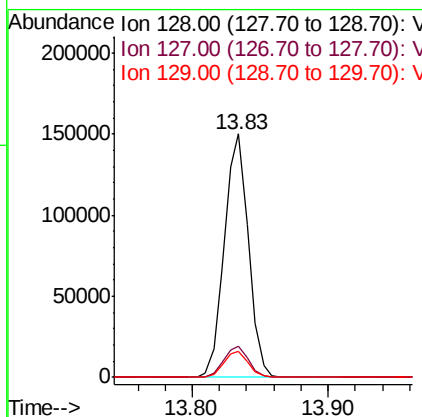
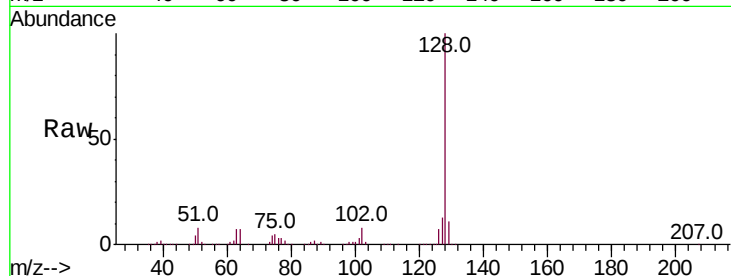
ClientSampleId :

VX0510WBSD01

Tot Ion:128	Resp:	184504
Ion Ratio	Lower	Upper
128 100		
127 13.1	10.5	15.7
129 10.9	8.7	13.1

Manual Integrations
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#92

1,2,3-Trichlorobenzene

Concen: 21.302 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX009479.D

Acq: 10 May 2019 13:37

Tgt Ion:180	Resp:	56184
Ion Ratio	Lower	Upper
180 100		
182 95.7	0.0	189.0
145 30.7	0.0	61.6

