

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052119\
 Data File : VX009772.D
 Acq On : 22 May 2019 01:54
 Operator : JC/SP
 Sample : VX0521WBS04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0521WBS04

Manual Integrations
 APPROVED

MMDadoda
 5/22/2019 9:37:31 AM

Quant Time: May 22 08:39:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	152534	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	251689	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	229121	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	109770	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	114318	54.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.80%	
35) Dibromofluoromethane	5.49	113	79451	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
50) Toluene-d8	8.71	98	332727	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	
62) 4-Bromofluorobenzene	11.13	95	118179	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	25609	18.219	ug/l	98
3) Chloromethane	1.32	50	40198	20.947	ug/l	98
4) Vinyl Chloride	1.41	62	37993	20.303	ug/l	100
5) Bromomethane	1.64	94	23954	21.327	ug/l	95
6) Chloroethane	1.72	64	25456	21.188	ug/l	95
7) Trichlorofluoromethane	1.93	101	46032	20.237	ug/l	97
8) Diethyl Ether	2.19	74	21363	19.827	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	27338	19.139	ug/l	98
10) Methyl Iodide	2.51	142	21863	16.557	ug/l	98
11) Tert butyl alcohol	3.05	59	48427	100.472	ug/l	100
12) 1,1-Dichloroethene	2.37	96	28204	19.706	ug/l	99
13) Acrolein	2.29	56	35025	80.239	ug/l	99
14) Allyl chloride	2.73	41	67387	19.320	ug/l	99
15) Acrylonitrile	3.14	53	118550	100.593	ug/l	99
16) Acetone	2.44	43	105002	93.911	ug/l	95
17) Carbon Disulfide	2.57	76	83129	20.688	ug/l	99
18) Methyl Acetate	2.78	43	51058	19.202	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	108236	19.475	ug/l	95
20) Methylene Chloride	2.85	84	34442	19.025	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	30076	19.377	ug/l	97
22) Diisopropyl ether	3.85	45	135063	20.136	ug/l	95
23) Vinyl Acetate	3.82	43	598305	104.166	ug/l	98
24) 1,1-Dichloroethane	3.70	63	65439	19.777	ug/l	99
25) 2-Butanone	4.67	43	176643	101.666	ug/l	98
26) 2,2-Dichloropropane	4.59	77	35527	14.425	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	36089	19.479	ug/l	98
28) Bromochloromethane	5.01	49	32200	22.676	ug/l	95
29) Tetrahydrofuran	5.13	42	117960	105.503	ug/l	98
30) Chloroform	5.21	83	59427	19.857	ug/l	99
31) Cyclohexane	5.58	56	61648	20.025	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	49395	19.827	ug/l	98
36) 1,1-Dichloropropene	5.81	75	44089	18.850	ug/l	98
37) Ethyl Acetate	4.83	43	67280	20.645	ug/l	99
38) Carbon Tetrachloride	5.79	117	40776	19.188	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	53678	18.687	ug/l	98
40) Benzene	6.15	78	140254	19.375	ug/l	100
41) Methacrylonitrile	5.05	41	37373	19.265	ug/l	99
42) 1,2-Dichloroethane	6.20	62	52092	20.061	ug/l	99
43) Isopropyl Acetate	6.45	43	105227	20.186	ug/l	98
44) Trichloroethene	7.21	130	32768	18.725	ug/l	95
45) 1,2-Dichloropropane	7.51	63	40086	19.557	ug/l	99
46) Dibromomethane	7.66	93	22878	19.221	ug/l	100
47) Bromodichloromethane	7.90	83	44456	18.724	ug/l	100
48) Methyl methacrylate	7.77	41	51886	20.063	ug/l	97
49) 1,4-Dioxane	7.74	88	20489	390.658	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	348094	102.165	ug/l	99
52) Toluene	8.78	92	86372	19.629	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	49147	18.334	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	54306	18.303	ug/l	94
55) 1,1,2-Trichloroethane	9.21	97	34831	19.403	ug/l	97
56) Ethyl methacrylate	9.18	69	61927	19.325	ug/l	97
57) 1,3-Dichloropropane	9.37	76	60813	19.250	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	157718	92.777	ug/l	99
59) 2-Hexanone	9.49	43	269147	100.580	ug/l	98
60) Dibromochloromethane	9.58	129	32791	18.702	ug/l	99
61) 1,2-Dibromoethane	9.67	107	35521	19.602	ug/l	98
64) Tetrachloroethene	9.34	164	30628	19.488	ug/l	97
65) Chlorobenzene	10.14	112	87341	19.056	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	30556	18.388	ug/l	100
67) Ethyl Benzene	10.25	91	162437	19.257	ug/l	100
68) m/p-Xylenes	10.36	106	118567	38.464	ug/l	98
69) o-Xylene	10.69	106	57485	18.901	ug/l	99
70) Styrene	10.71	104	100298	18.974	ug/l	99
71) Bromoform	10.85	173	24683	18.279	ug/l	100
73) Isopropylbenzene	11.02	105	152920	19.157	ug/l	99
74) N-amyl acetate	10.90	43	91766	19.719	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	57734	19.402	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	50586m	19.867	ug/l	
77) Bromobenzene	11.26	156	37881	19.120	ug/l	98
78) n-propylbenzene	11.36	91	174098	19.098	ug/l	99
79) 2-Chlorotoluene	11.42	91	106168	18.877	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	128349	19.096	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	16430	16.510	ug/l	92
82) 4-Chlorotoluene	11.51	91	121205	19.076	ug/l	99
83) tert-Butylbenzene	11.77	119	122330	18.710	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	128533	19.052	ug/l	99
85) sec-Butylbenzene	11.94	105	146965	18.959	ug/l	99
86) p-Isopropyltoluene	12.06	119	130917	18.786	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	65551	18.559	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	66596	18.702	ug/l	99
89) n-Butylbenzene	12.38	91	113649	18.044	ug/l	99
90) Hexachloroethane	12.60	117	21438	18.057	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	66783	18.564	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	12876	19.289	ug/l	97

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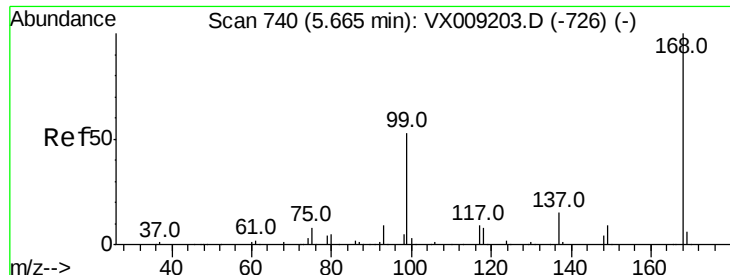
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	45557	18.519	ug/l	98
94) Hexachlorobutadiene	13.78	225	23012	18.318	ug/l	99
95) Naphthalene	13.83	128	147854	18.473	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	46663	18.713	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009772.D

Acq: 22 May 2019 01:54

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS04

Tot Ion:168 Resp: 152534

Ion Ratio Lower Upper

168 100

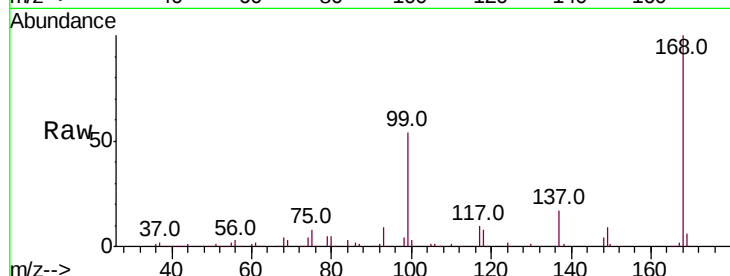
99 54.1 42.3 63.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

50000

40000

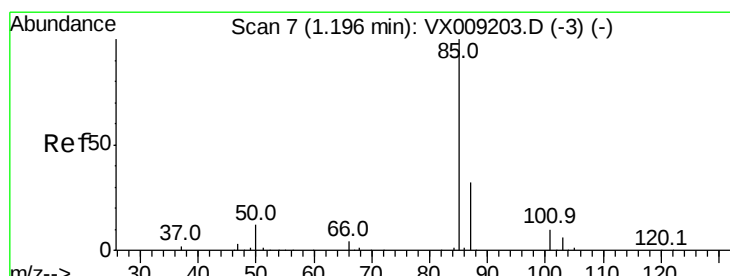
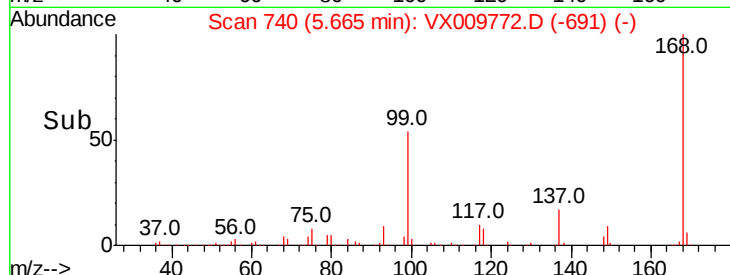
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 18.219 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009772.D

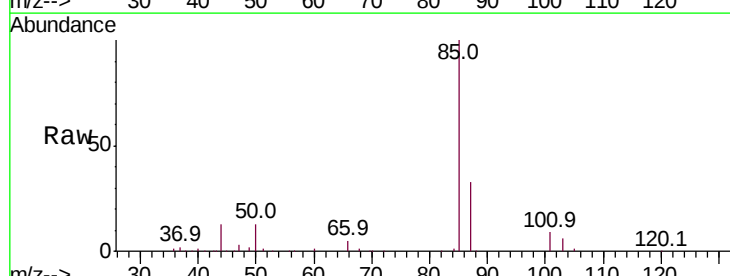
Acq: 22 May 2019 01:54

Tgt Ion: 85 Resp: 25609

Ion Ratio Lower Upper

85 100

87 33.4 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

25000

20000

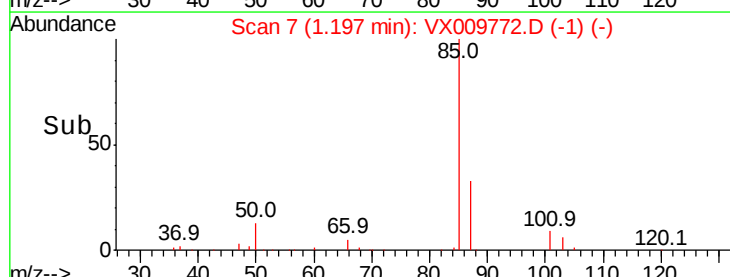
15000

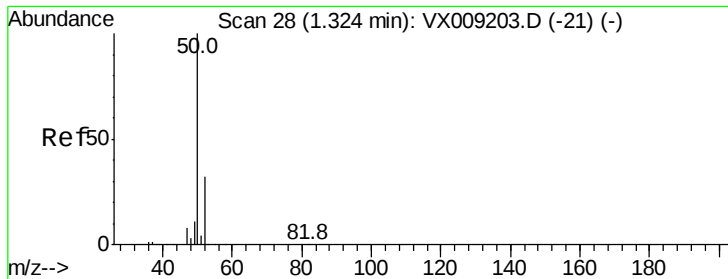
10000

5000

0

Time--> 1.15 1.20 1.25





#3

Chloromethane

Concen: 20.947 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009772.D

Acq: 22 May 2019 01:54

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS04

Tot Ion: 50 Resp: 40198

Ion Ratio Lower Upper

50 100

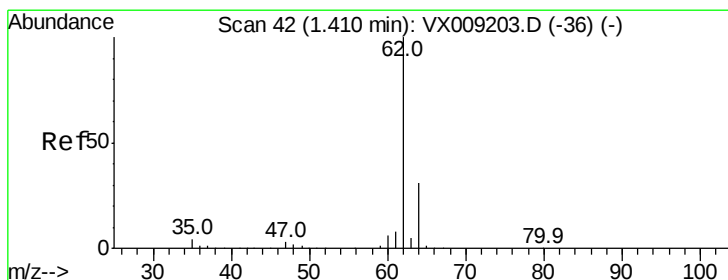
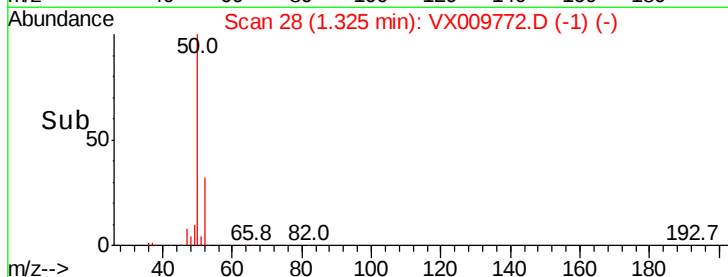
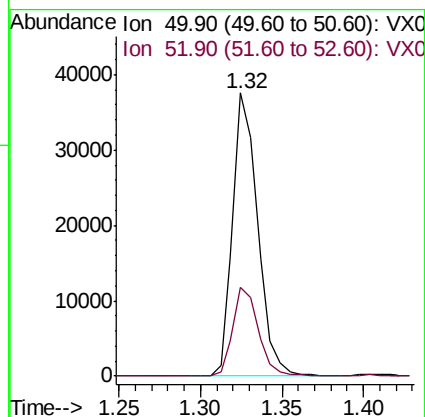
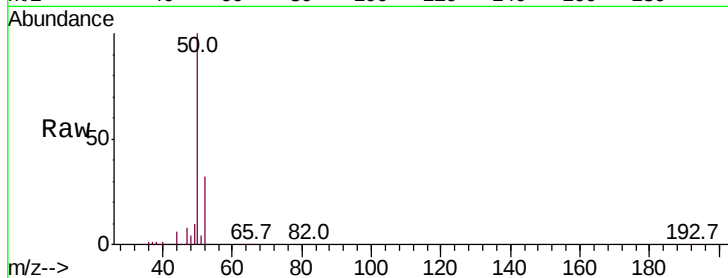
52 31.4 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.303 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009772.D

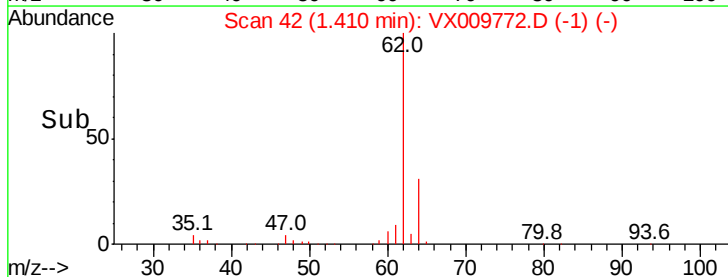
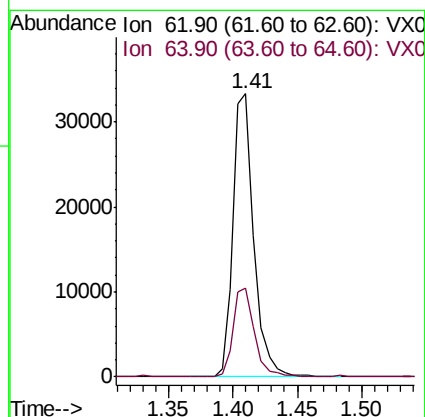
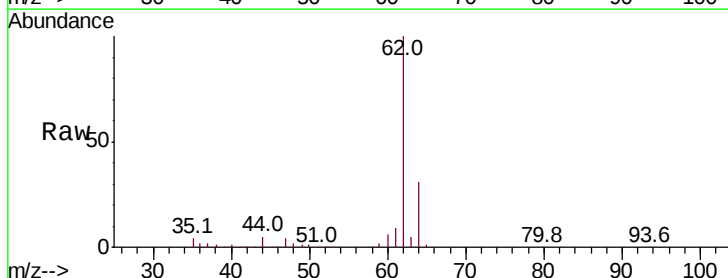
Acq: 22 May 2019 01:54

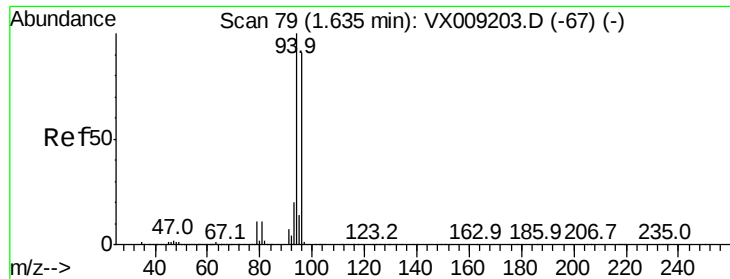
Tgt Ion: 62 Resp: 37993

Ion Ratio Lower Upper

62 100

64 31.0 24.6 36.8





#5

Bromomethane

Concen: 21.327 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009772.D

Acq: 22 May 2019 01:54

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS04

Tot Ion: 94 Resp: 23954

Ion Ratio Lower Upper

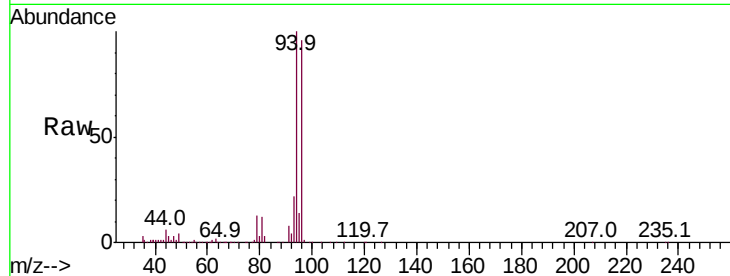
94 100

96 95.9 73.0 109.6

Manual Integrations
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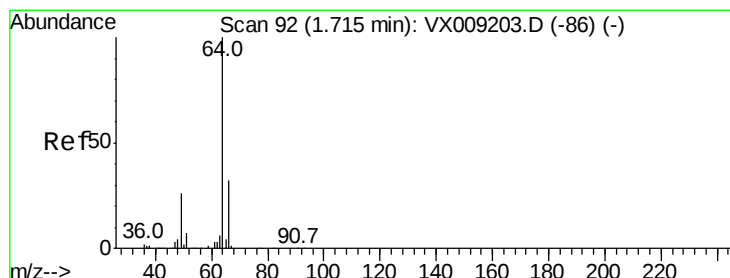
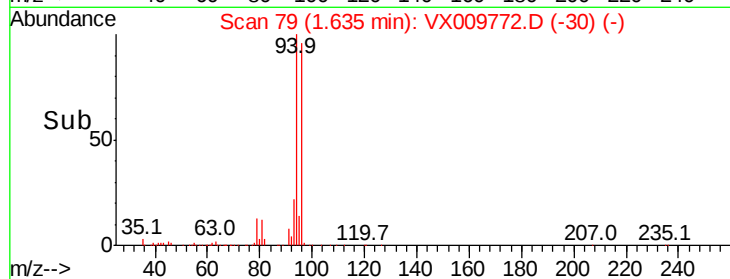
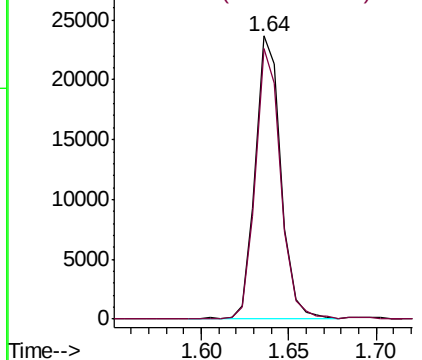
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 21.188 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009772.D

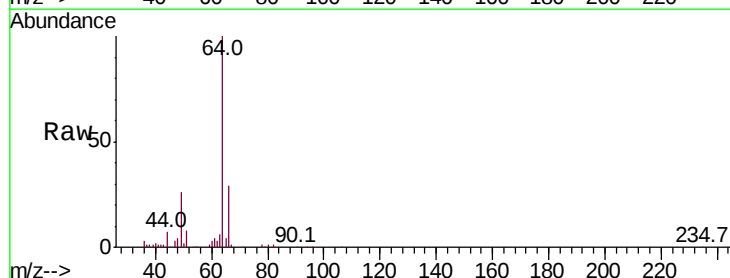
Acq: 22 May 2019 01:54

Tgt Ion: 64 Resp: 25456

Ion Ratio Lower Upper

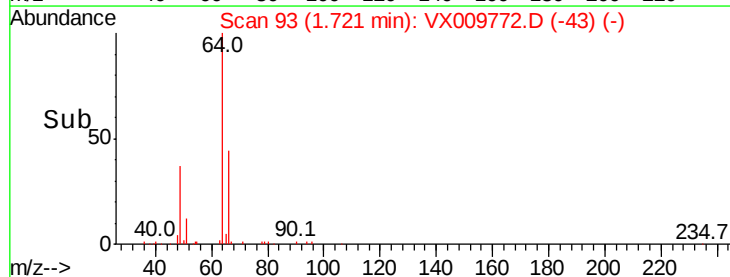
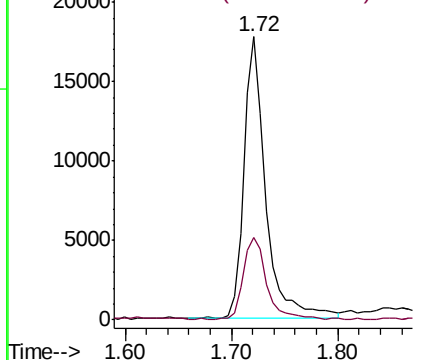
64 100

66 29.1 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

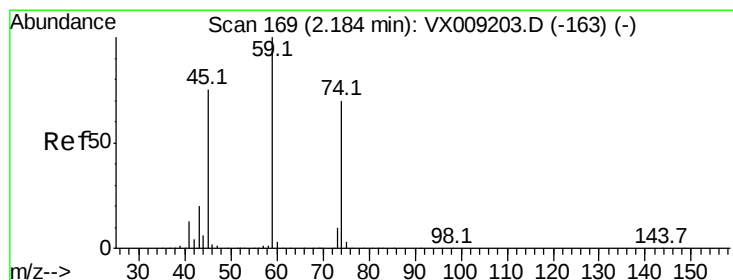
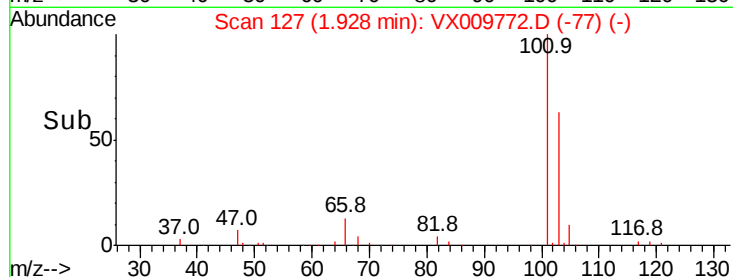
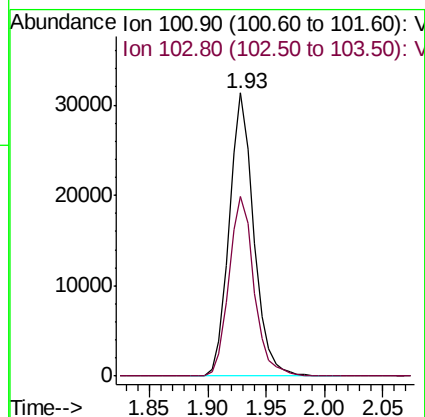
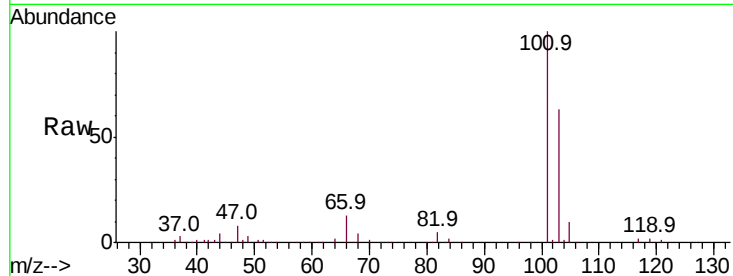
Trichlorofluoromethane
 Concen: 20.237 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX009772.D
 Acq: 22 May 2019 01:54

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 VX0521WBS04

Tot Ion:101 Resp: 46032
 Ion Ratio Lower Upper
 101 100
 103 63.3 52.4 78.6

Manual Integrations
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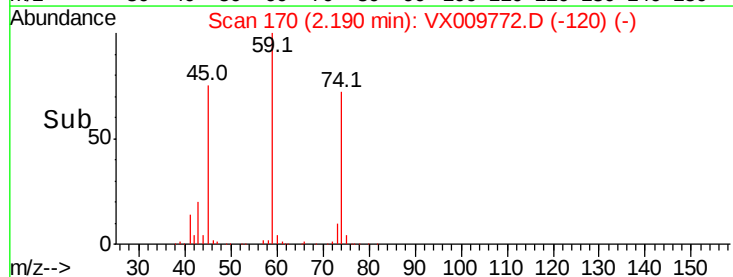
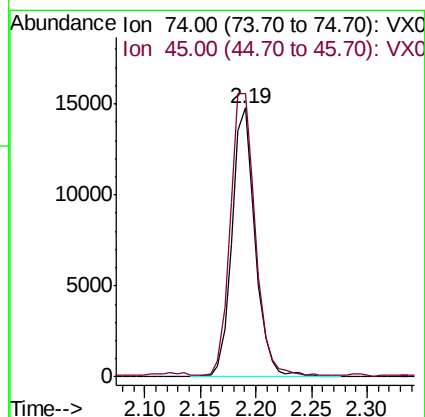
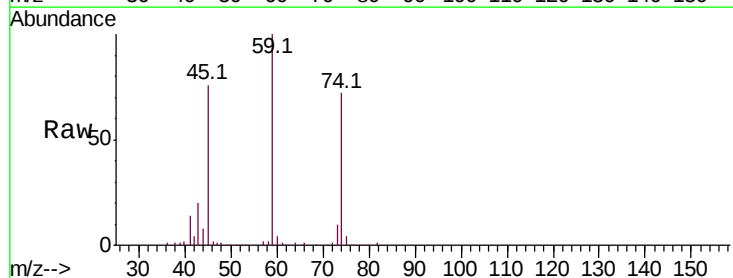
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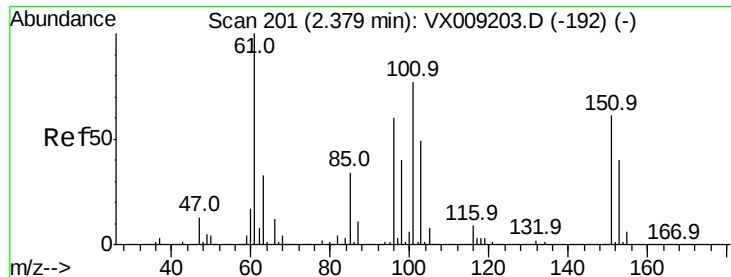


#8

Diethyl Ether
 Concen: 19.827 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX009772.D
 Acq: 22 May 2019 01:54

Tgt Ion: 74 Resp: 21363
 Ion Ratio Lower Upper
 74 100
 45 111.8 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.139 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX009772.D

Acq: 22 May 2019 01:54

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS04

Tot Ion:101 Resp: 27338

Ion Ratio Lower Upper

101 100

85 42.8 35.7 53.5

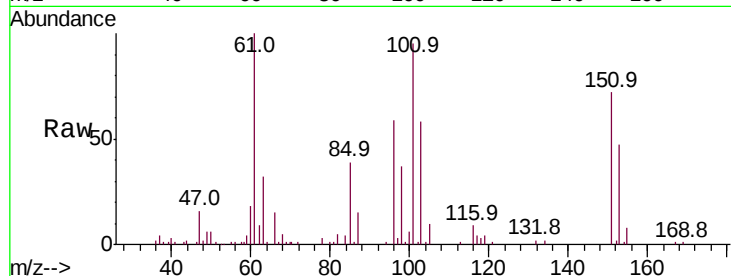
151 75.9 62.2 93.2

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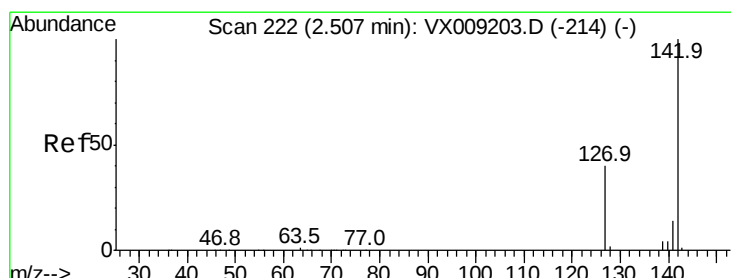
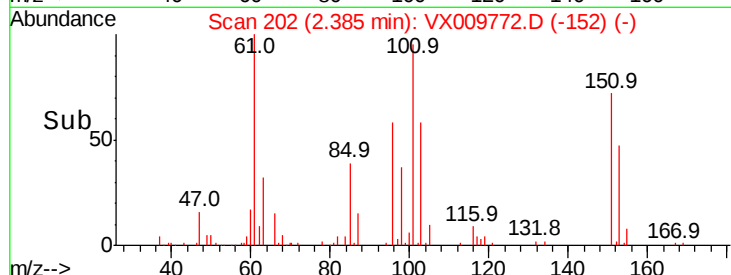
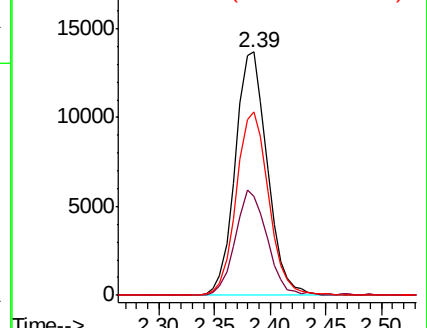
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.557 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009772.D

Acq: 22 May 2019 01:54

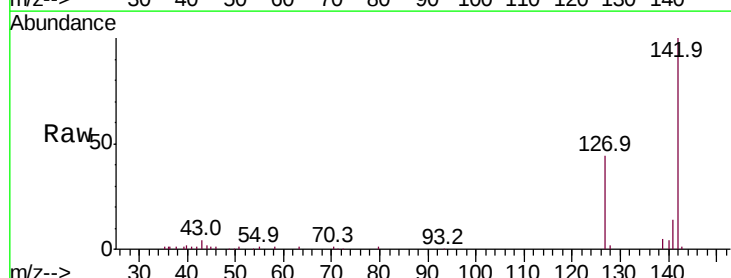
Tgt Ion:142 Resp: 21863

Ion Ratio Lower Upper

142 100

127 42.1 32.7 49.1

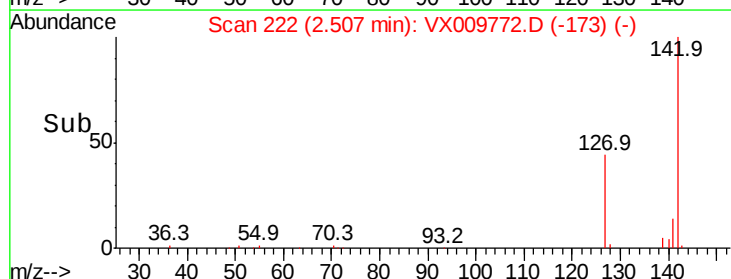
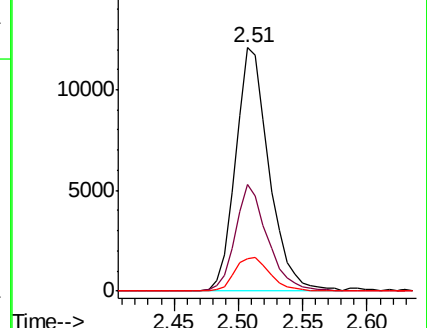
141 14.6 11.5 17.3

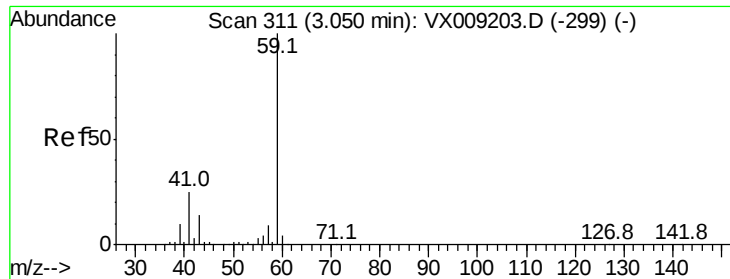


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

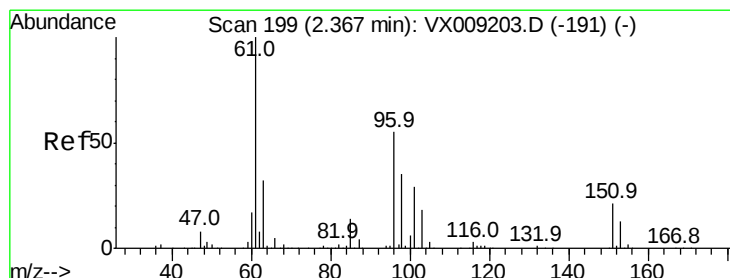
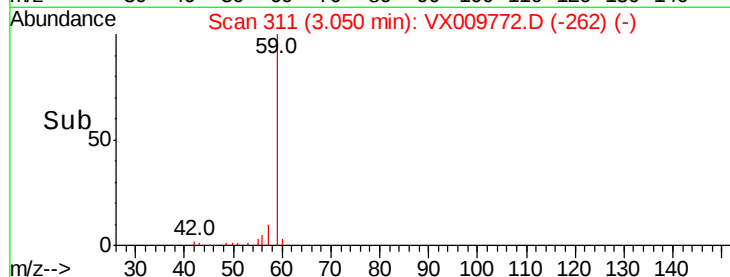
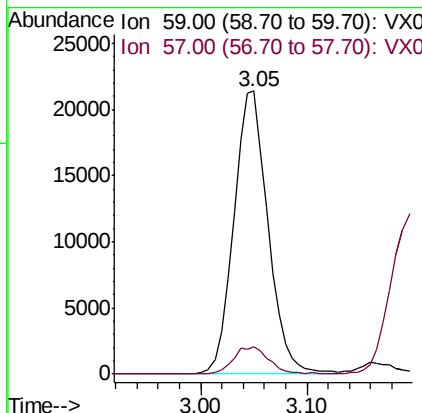
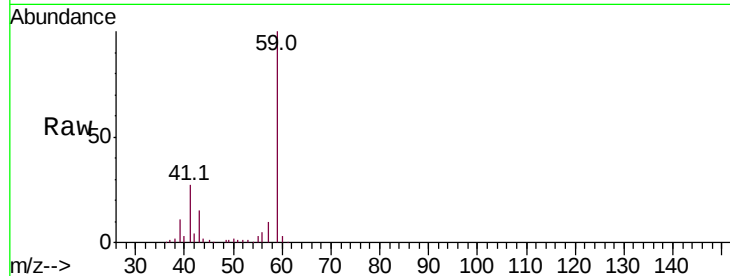
Tert butyl alcohol
 Concen: 100.472 ug/l
 RT: 3.05 min Scan# 311
 Delta R.T. 0.00 min
 Lab File: VX009772.D
 Acq: 22 May 2019 01:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0521WBS04

Tot Ion	59	Resp	48427
Ion Ratio	100	Lower	Upper
57	10.1	8.2	12.2

Manual Integrations
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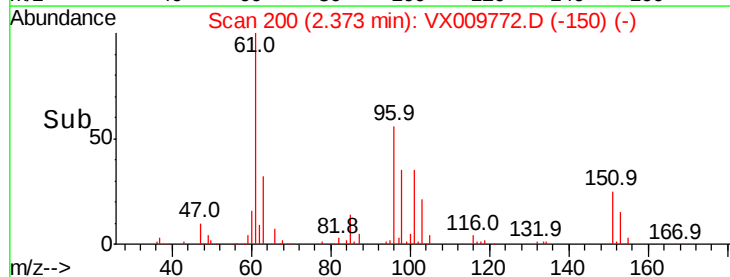
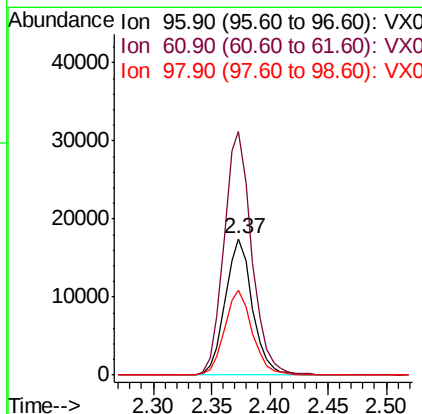
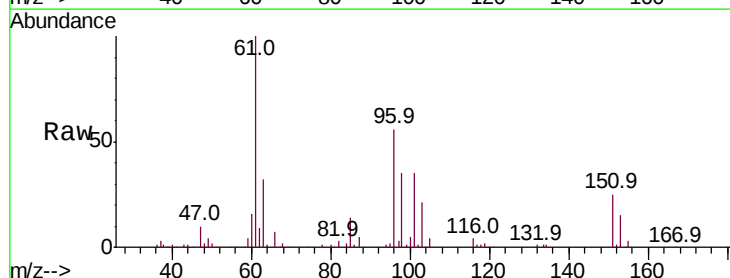
MMDadoda
 5/22/2019 9:37:31 AM

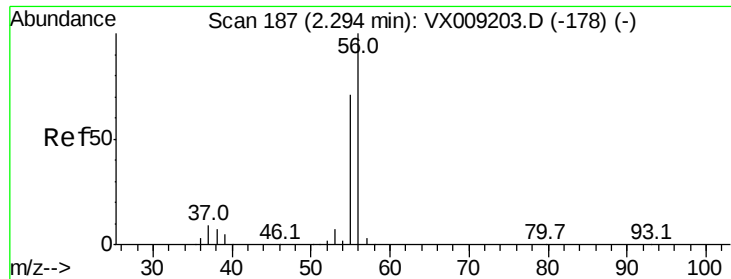


#12

1,1-Dichloroethene
 Concen: 19.706 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.01 min
 Lab File: VX009772.D
 Acq: 22 May 2019 01:54

Tgt Ion	96	Resp	28204
Ion Ratio	100	Lower	Upper
61	178.5	144.3	216.5
98	62.3	50.3	75.5





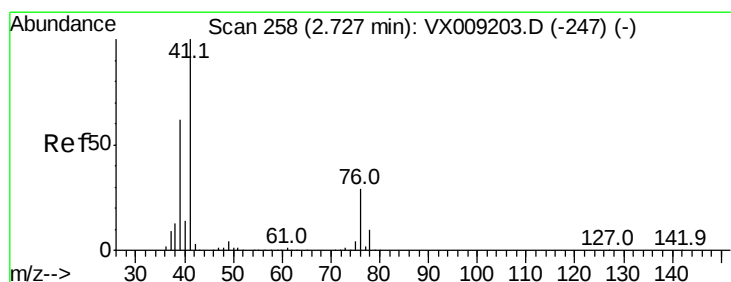
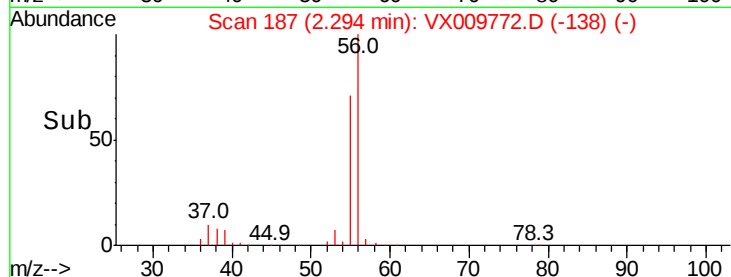
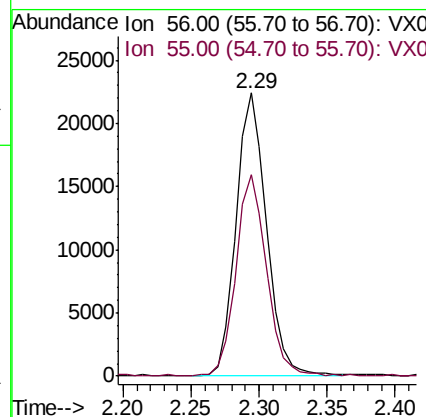
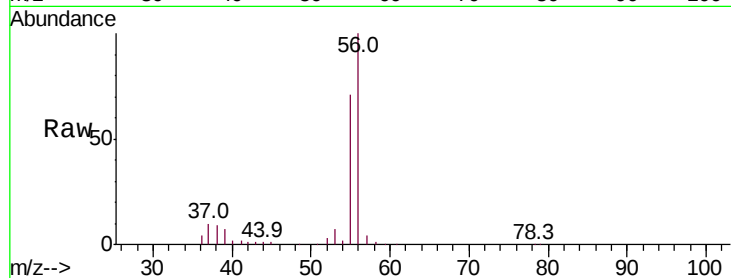
#13
 Acrolein
 Concen: 80.239 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. 0.00 min
 Lab File: VX009772.D
 Acq: 22 May 2019 01:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0521WBS04

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.3	56.6	85.0

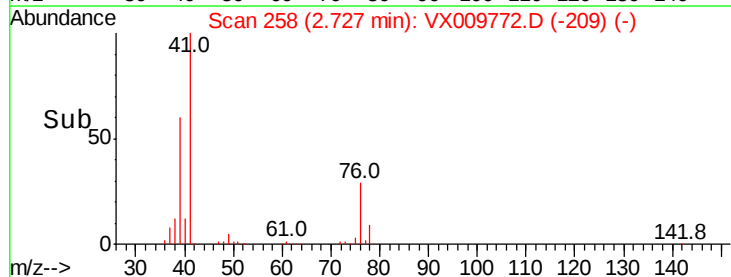
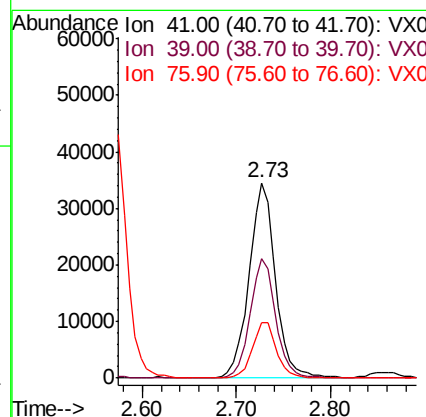
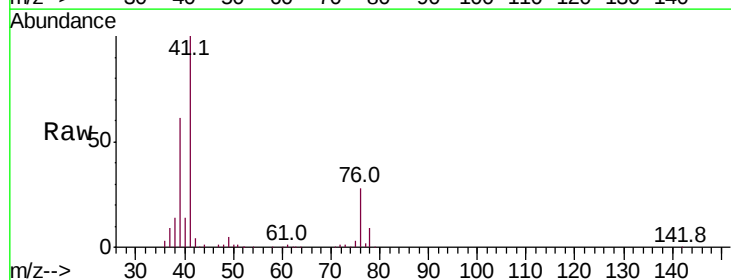
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#14
 Allyl chloride
 Concen: 19.320 ug/l
 RT: 2.73 min Scan# 258
 Delta R.T. 0.00 min
 Lab File: VX009772.D
 Acq: 22 May 2019 01:54

Tgt Ion	Ratio	Lower	Upper
41	100		
39	58.8	46.7	70.1
76	26.3	21.8	32.8





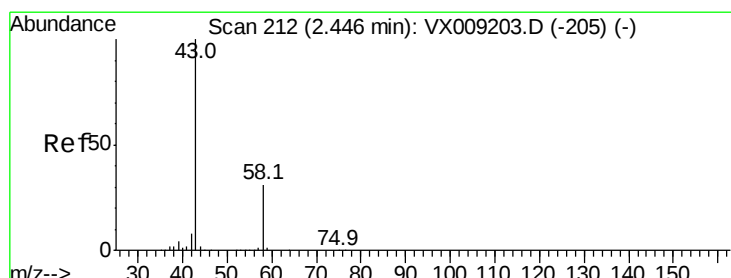
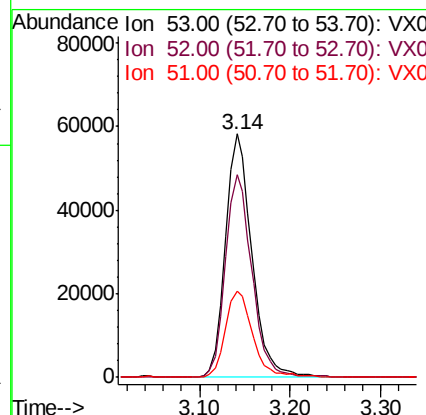
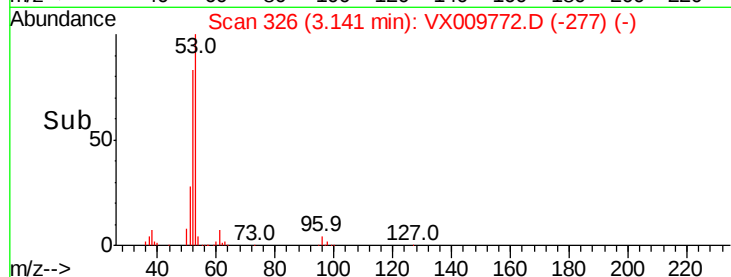
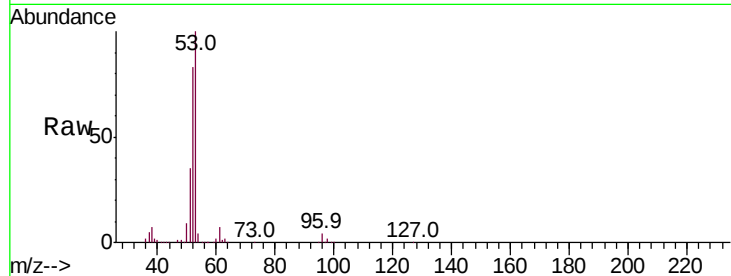
#15
 Acrylonitrile
 Concen: 100.593 ug/l
 RT: 3.14 min Scan# 326
 Delta R.T. 0.00 min
 Lab File: VX009772.D
 Acq: 22 May 2019 01:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0521WBS04

Tot Ion	53	Resp	118550
Ion Ratio	Lower	Upper	
53	100		
52	83.8	66.9	100.3
51	37.0	28.2	42.2

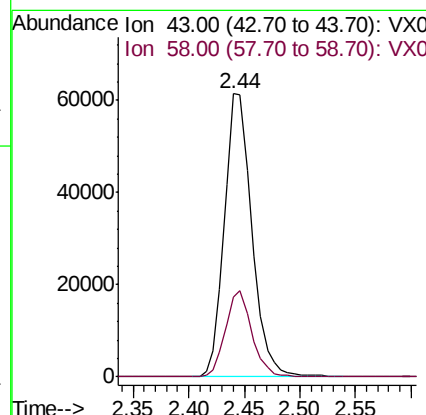
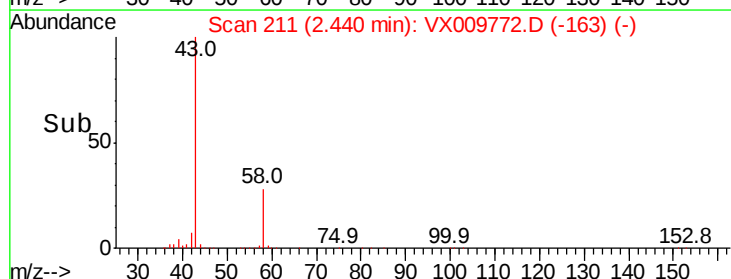
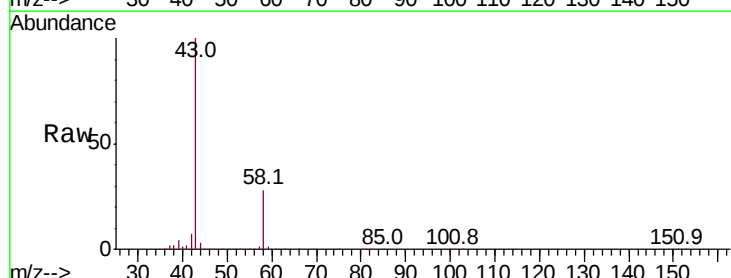
Manual Integrations
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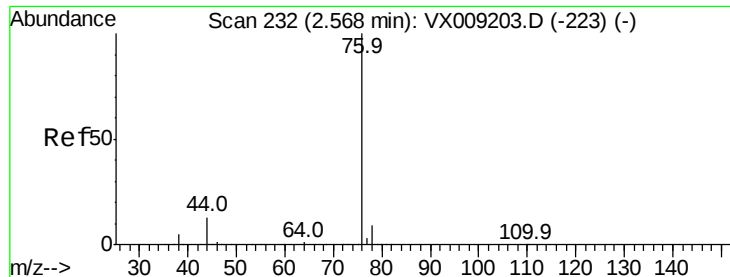
MMDadoda
 5/22/2019 9:37:31 AM



#16
 Acetone
 Concen: 93.911 ug/l
 RT: 2.44 min Scan# 211
 Delta R.T. -0.01 min
 Lab File: VX009772.D
 Acq: 22 May 2019 01:54

Tgt Ion	43	Resp	105002
Ion Ratio	Lower	Upper	
43	100		
58	28.3	24.9	37.3





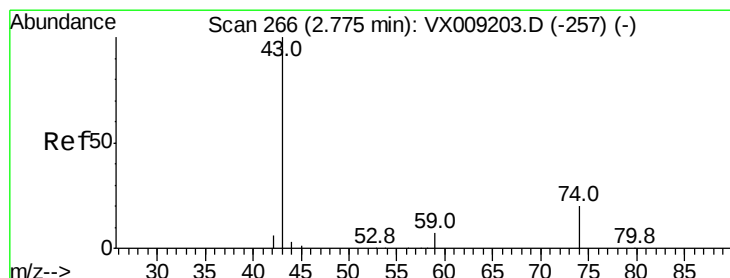
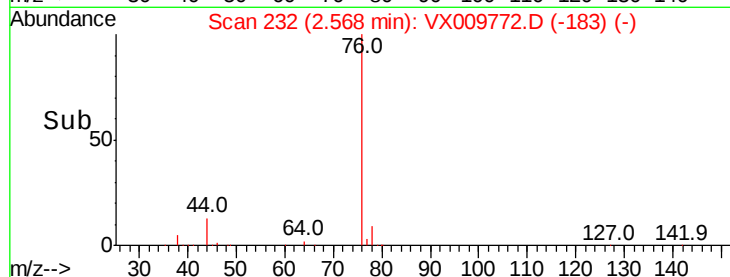
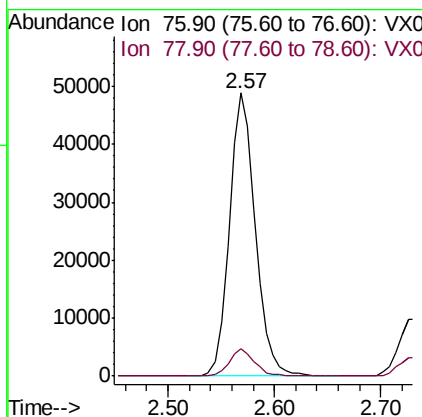
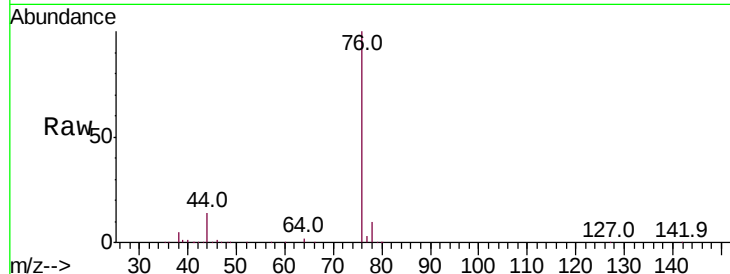
#17
Carbon Disulfide
Concen: 20.688 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX009772.D
Acq: 22 May 2019 01:54

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS04

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.4	11.0

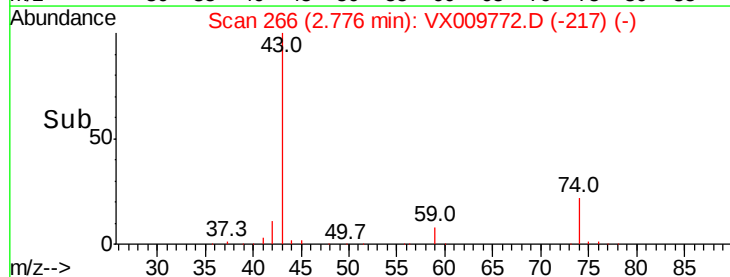
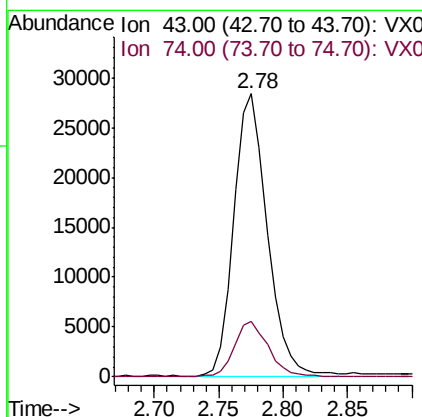
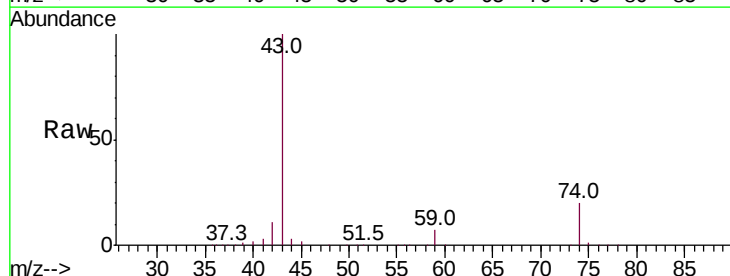
Manual Integrations
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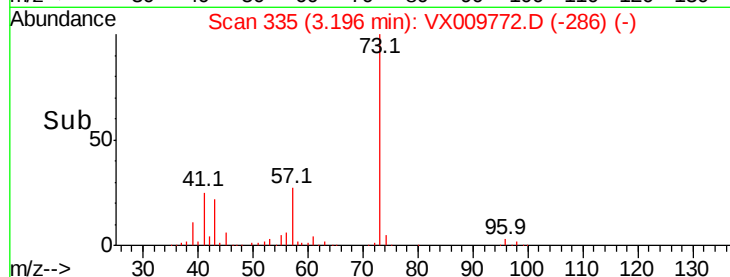
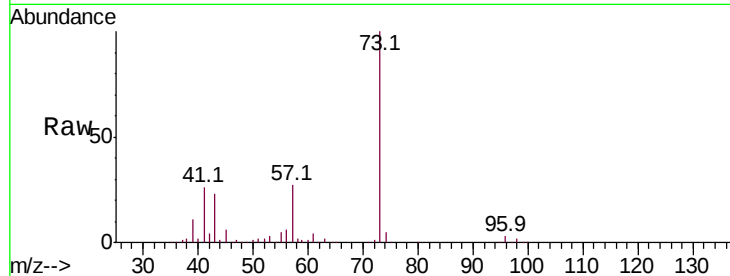
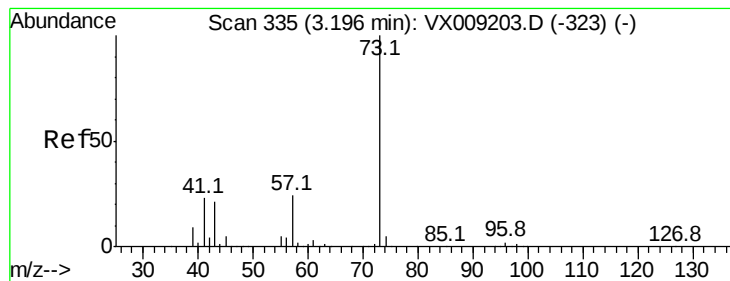
MMDadoda
5/22/2019 9:37:31 AM



#18
Methyl Acetate
Concen: 19.202 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX009772.D
Acq: 22 May 2019 01:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.6	16.2	24.4





#19

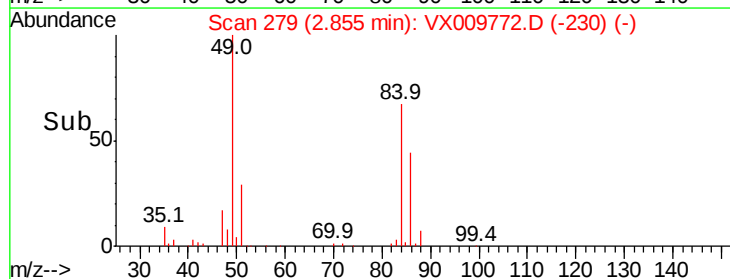
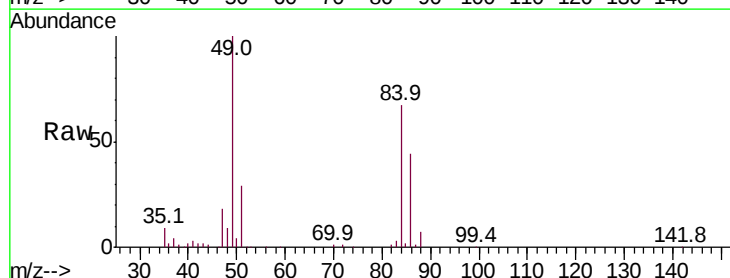
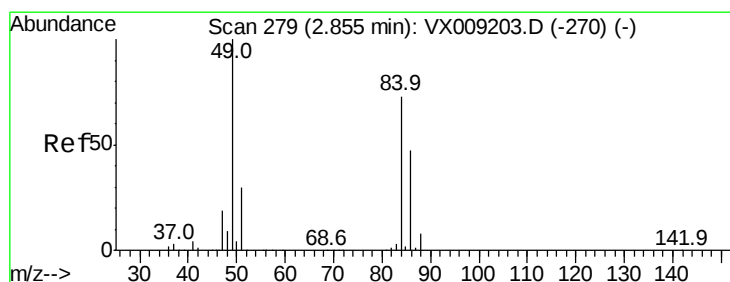
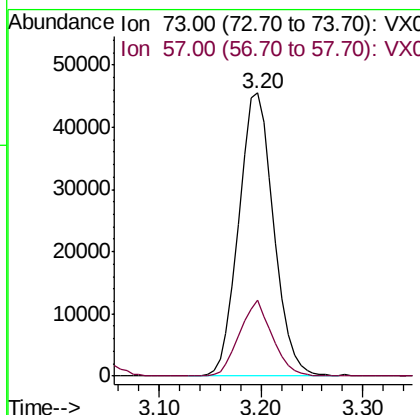
Methyl tert-butyl Ether
Concen: 19.475 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX009772.D
Acq: 22 May 2019 01:54

Tot Ion	Ratio	Lower	Upper
73	100		
57	26.8	19.3	28.9

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS04

Manual Integrations
APPROVED

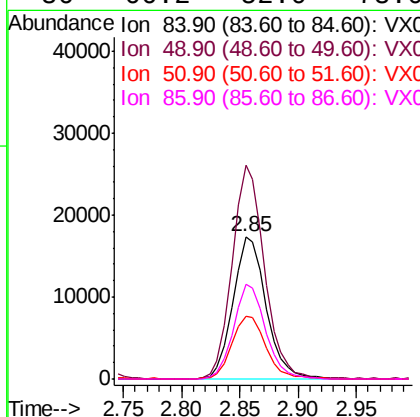
MMDadoda
5/22/2019 9:37:31 AM

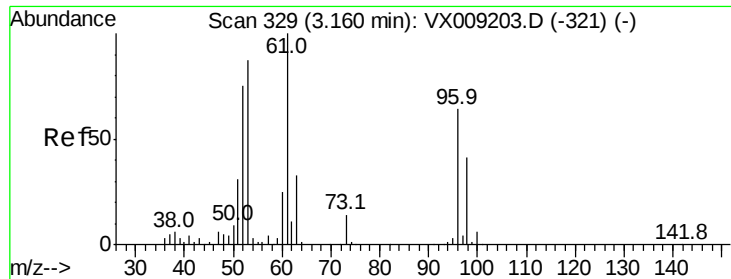


#20

Methylene Chloride
Concen: 19.025 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009772.D
Acq: 22 May 2019 01:54

Tgt Ion	Ratio	Lower	Upper
84	100		
49	150.1	109.9	164.9
51	43.8	32.7	49.1
86	66.2	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 19.377 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009772.D

Acq: 22 May 2019 01:54

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS04

Tot Ion: 96 Resp: 30076

Ion Ratio Lower Upper

96 100

61 159.4 124.5 186.7

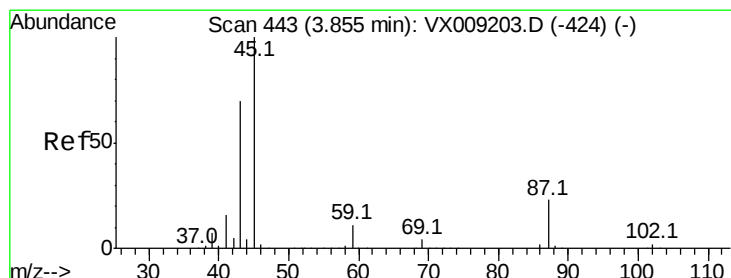
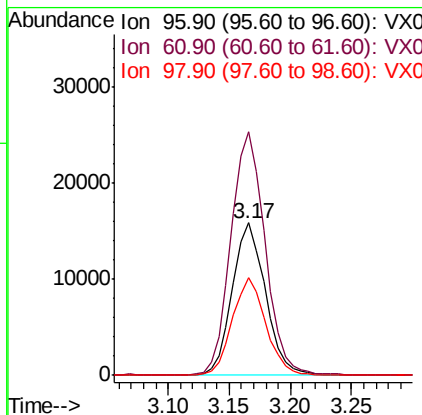
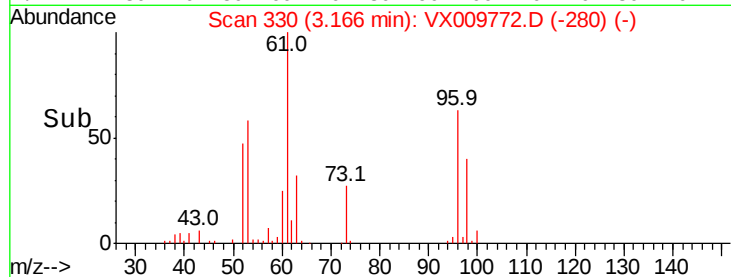
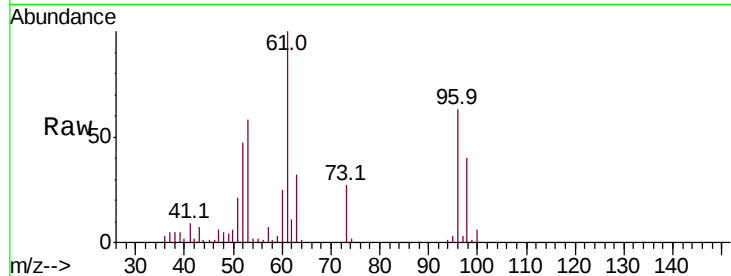
98 64.5 50.4 75.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 20.136 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX009772.D

Acq: 22 May 2019 01:54

Tgt Ion: 45 Resp: 135063

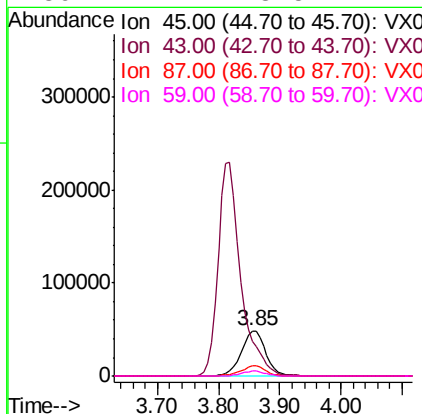
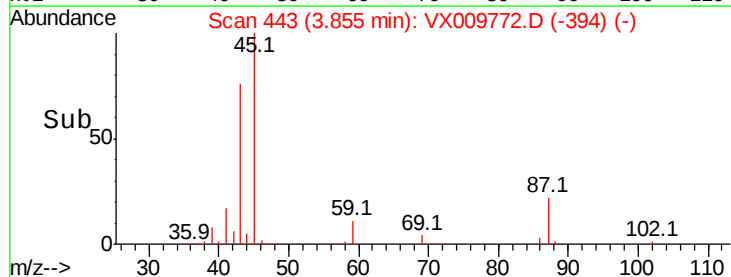
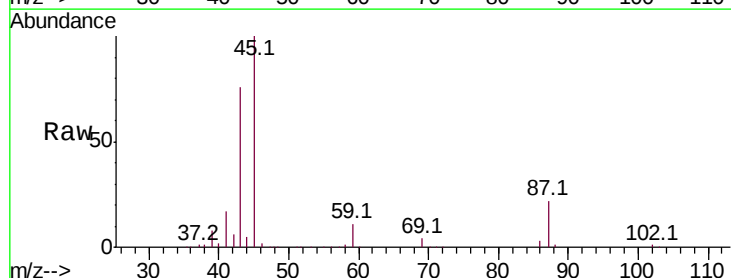
Ion Ratio Lower Upper

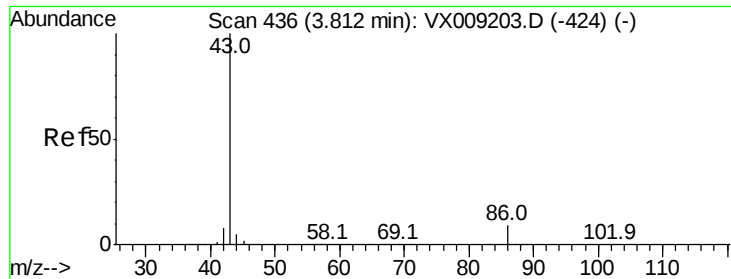
45 100

43 75.5 56.1 84.1

87 21.9 18.1 27.1

59 11.2 8.5 12.7





#23

Vinyl Acetate

Concen: 104.166 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.01 min

Lab File: VX009772.D

Acq: 22 May 2019 01:54

Instrument :

MSVOA_X

ClientSampleID :

VX0521WBS04

Tot Ion: 43 Resp: 598305

Ion Ratio Lower Upper

43 100

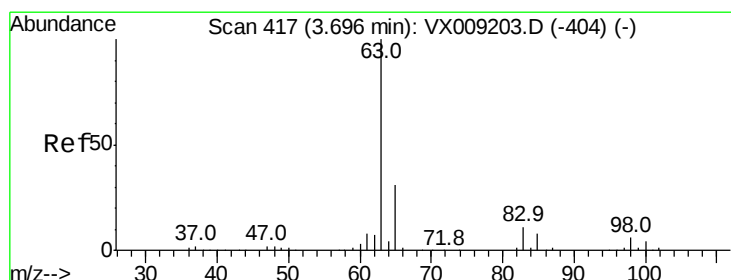
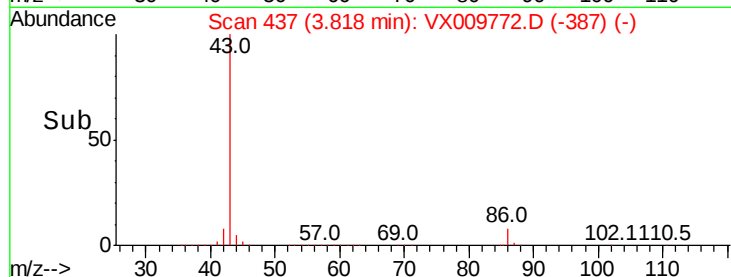
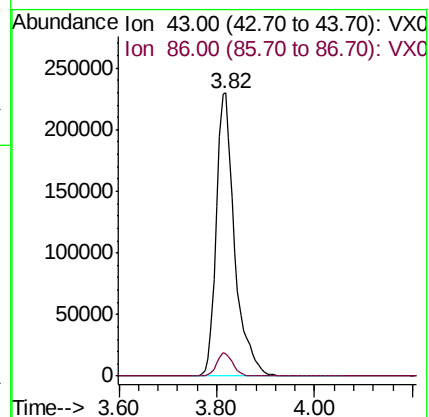
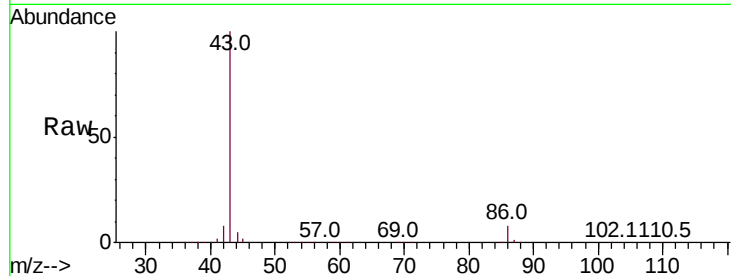
86 7.9 6.9 10.3

Manual Integrations

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5/22/2019 9:37:31 AM



#24

1,1-Dichloroethane

Concen: 19.777 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009772.D

Acq: 22 May 2019 01:54

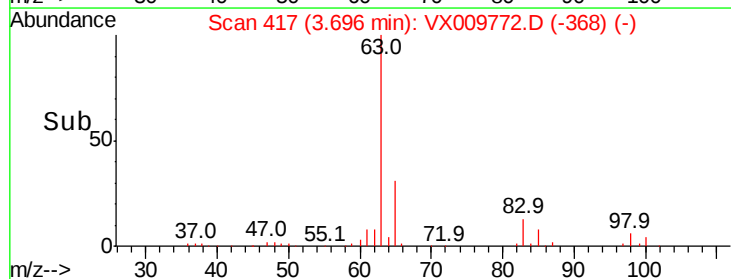
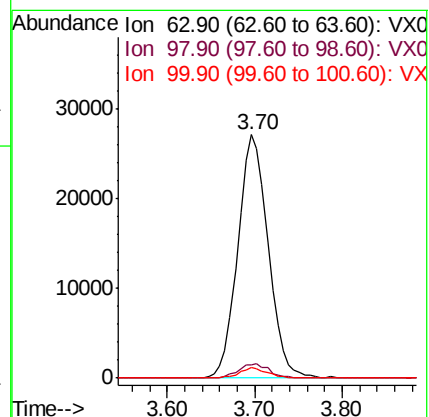
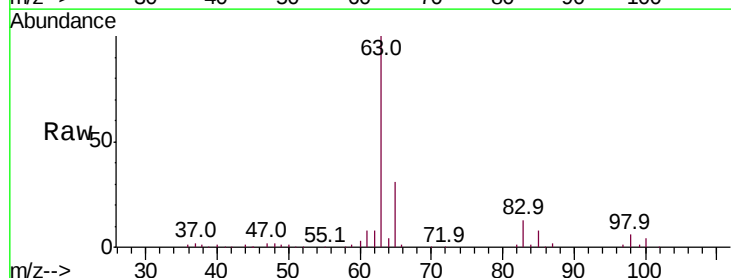
Tgt Ion: 63 Resp: 65439

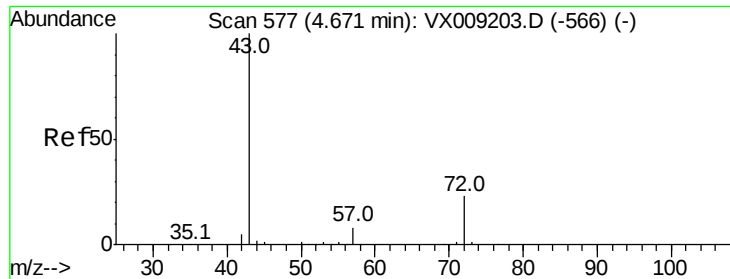
Ion Ratio Lower Upper

63 100

98 5.6 3.0 9.2

100 4.1 2.0 6.0





#25

2-Butanone

Concen: 101.666 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX009772.D

Acq: 22 May 2019 01:54

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS04

Tot Ion: 43 Resp: 176643

Ion Ratio Lower Upper

43 100

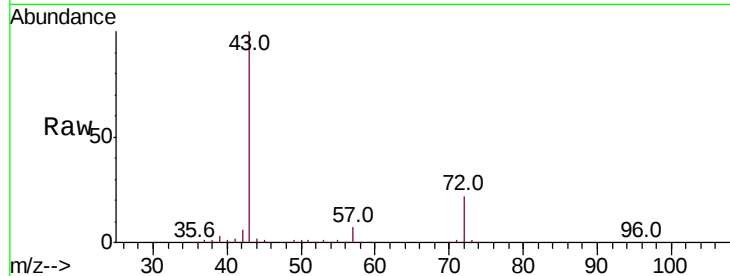
72 21.7 18.2 27.2

Manual Integrations

APPROVED

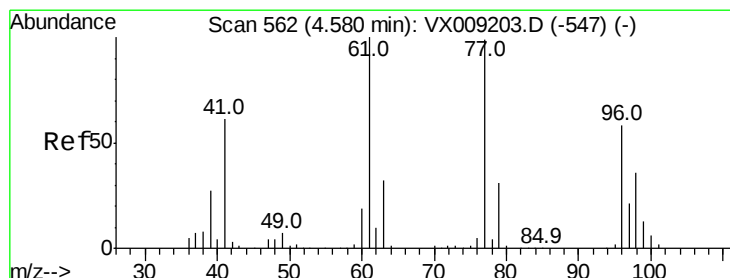
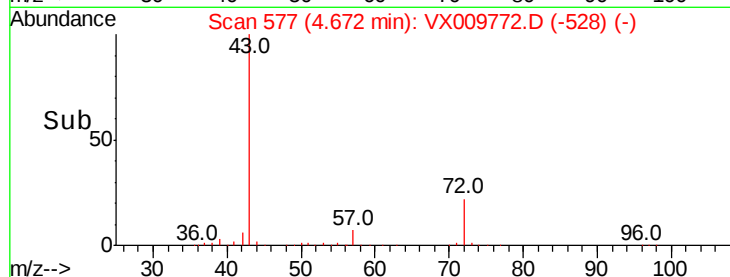
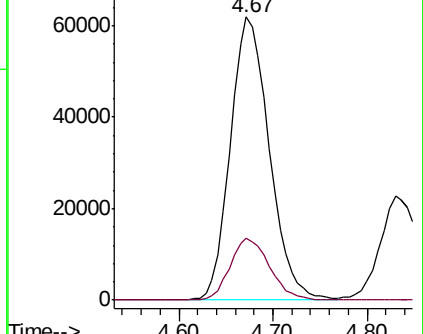
MMDadoda

5/22/2019 9:37:31 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 14.425 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009772.D

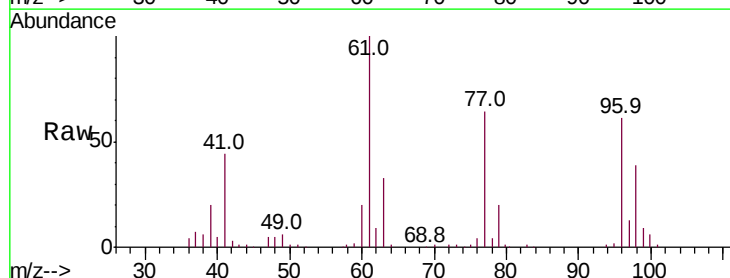
Acq: 22 May 2019 01:54

Tgt Ion: 77 Resp: 35527

Ion Ratio Lower Upper

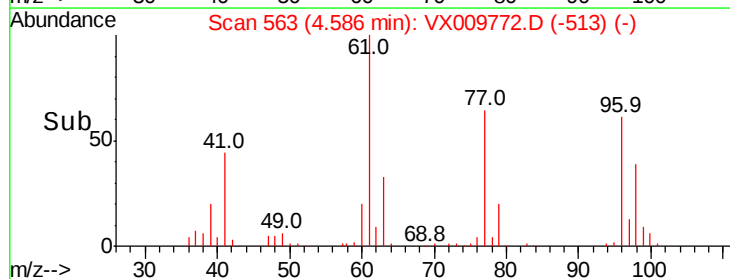
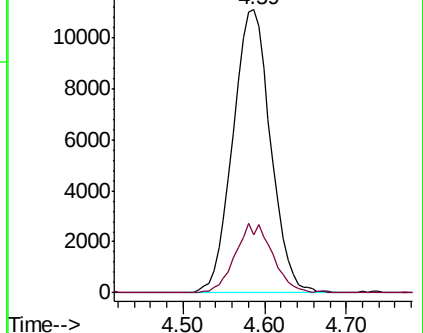
77 100

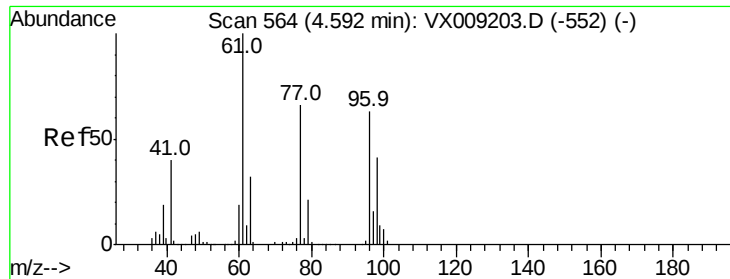
97 24.1 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

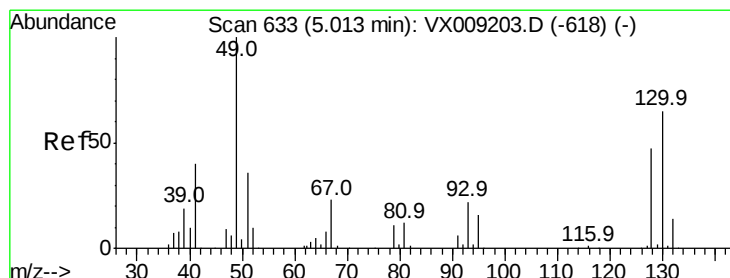
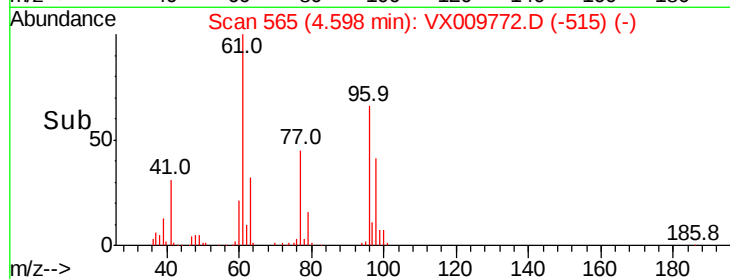
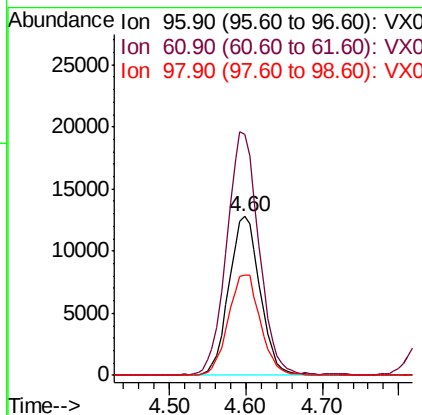
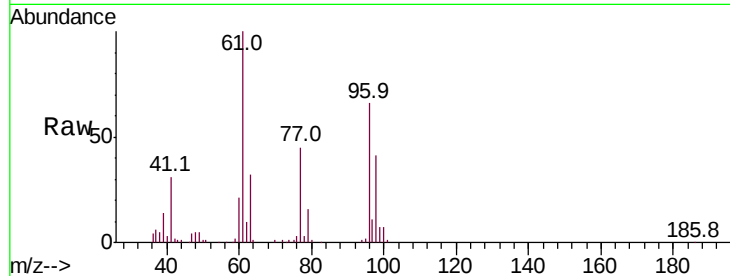
cis-1,2-Dichloroethene
Concen: 19.479 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009772.D
Acq: 22 May 2019 01:54

Instrument :
MSVOA_X
ClientSampled :
VX0521WBS04

Tot Ion	Ratio	Lower	Upper
96	100		
61	158.7	0.0	324.0
98	65.2	0.0	130.4

Manual Integrations
APPROVED

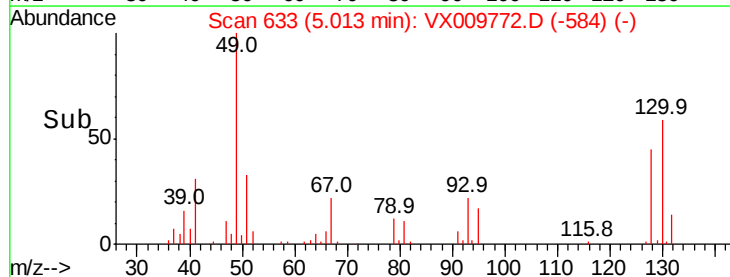
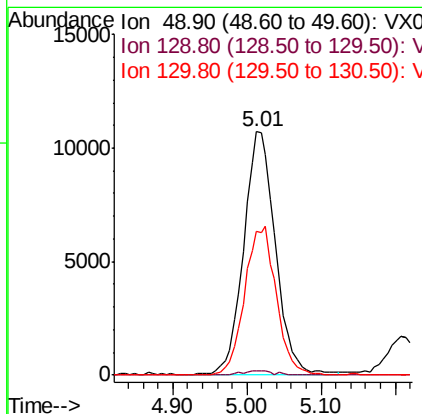
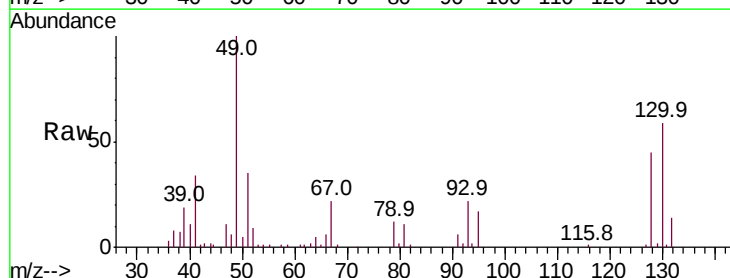
MMDadoda
5/22/2019 9:37:31 AM

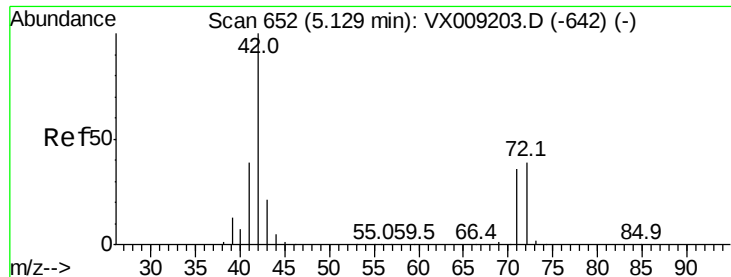


#28

Bromochloromethane
Concen: 22.676 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009772.D
Acq: 22 May 2019 01:54

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.8
130	60.3	51.2	76.8





#29

Tetrahydrofuran

Concen: 105.503 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.00 min

Lab File: VX009772.D

Acq: 22 May 2019 01:54

Instrument :

MSVOA_X

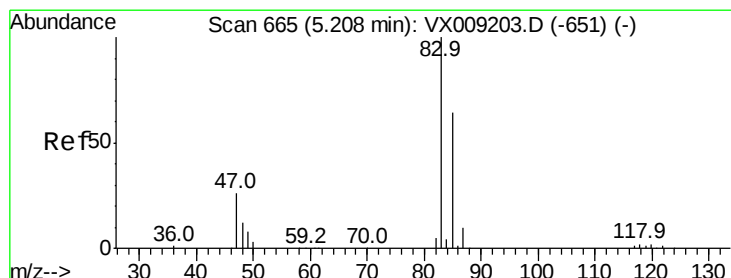
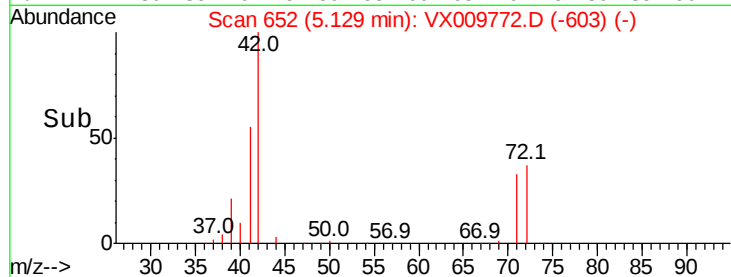
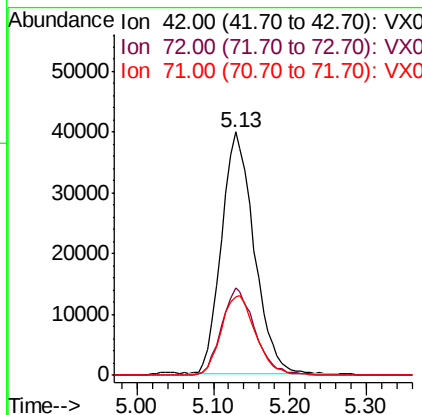
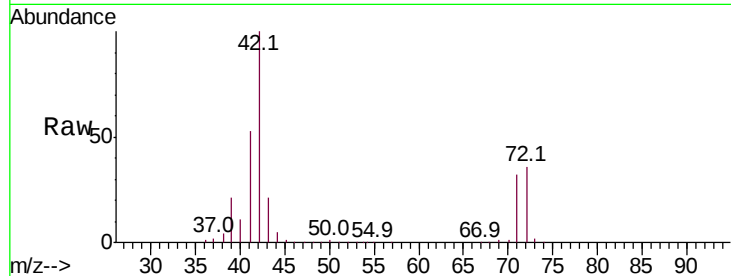
ClientSampleId :

VX0521WBS04

Tot Ion:	42	Resp:	117960
Ion	Ratio	Lower	Upper
42	100		
72	37.0	30.4	45.6
71	34.8	28.6	43.0

Manual Integrations
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#30

Chloroform

Concen: 19.857 ug/l

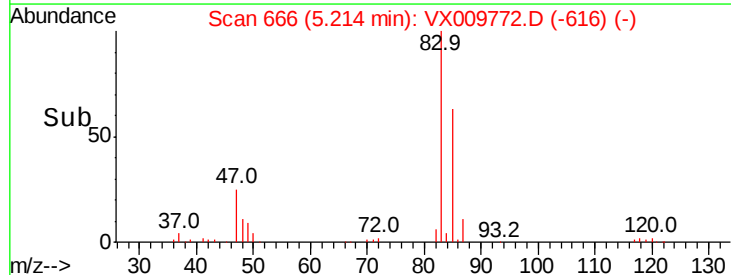
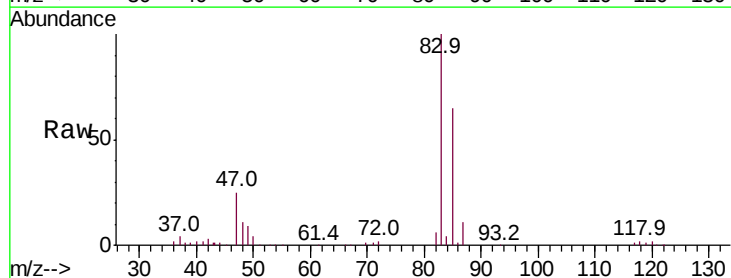
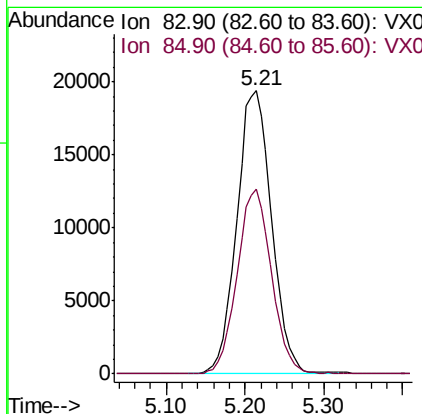
RT: 5.21 min Scan# 666

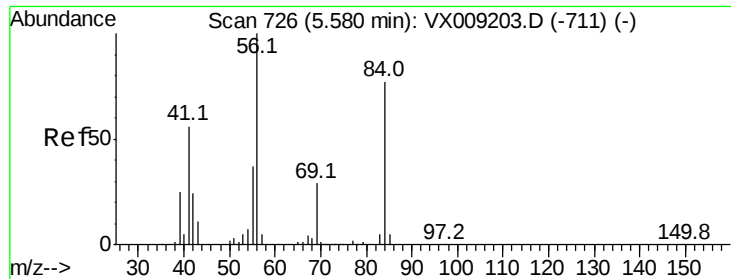
Delta R.T. 0.01 min

Lab File: VX009772.D

Acq: 22 May 2019 01:54

Tgt Ion:	83	Resp:	59427
Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.5	77.3





#31

Cyclohexane

Concen: 20.025 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX009772.D

Acq: 22 May 2019 01:54

Instrument :

MSVOA_X

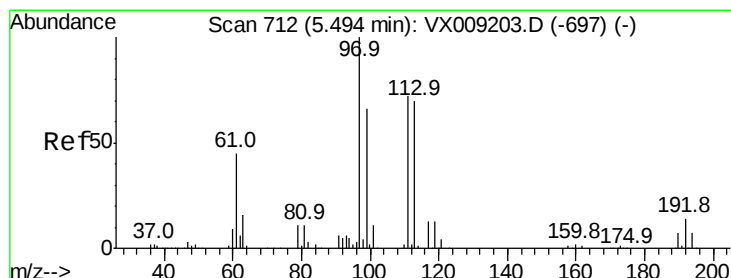
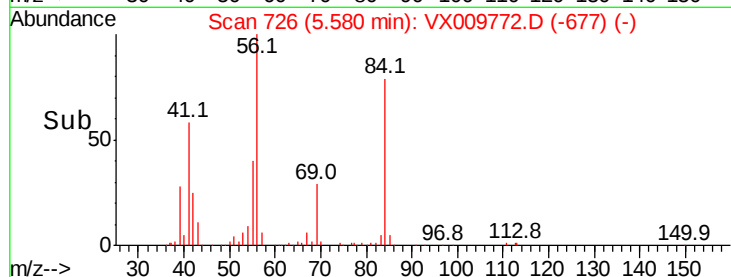
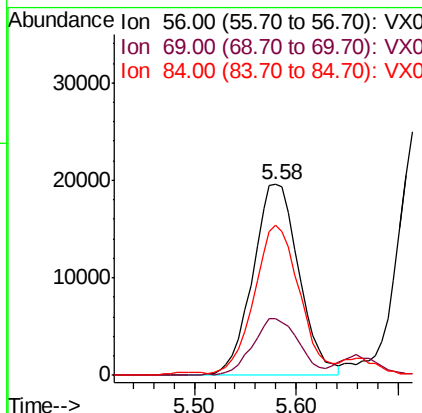
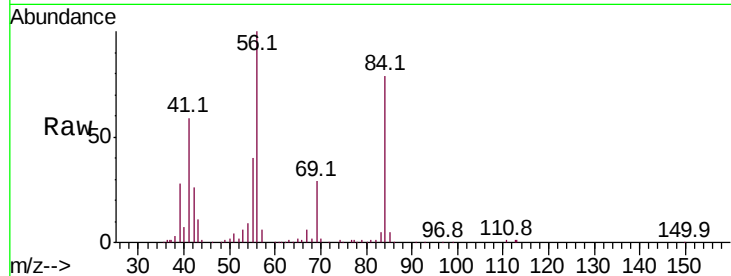
ClientSampleId :

VX0521WBS04

Tot Ion:	56	Resp:	61648
Ion Ratio	Lower	Upper	
56	100		
69	29.1	23.4	35.0
84	77.5	61.9	92.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.827 ug/l

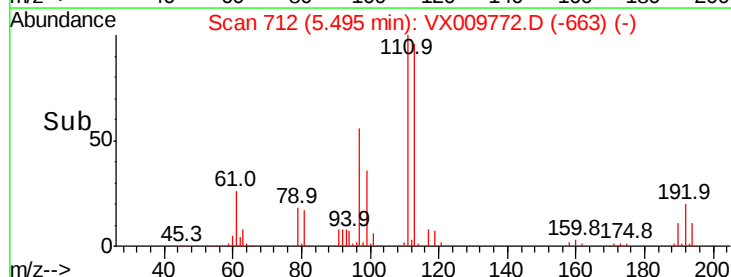
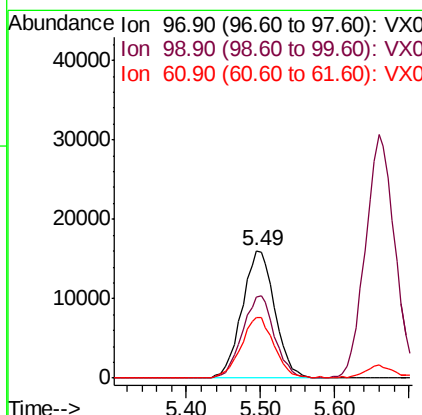
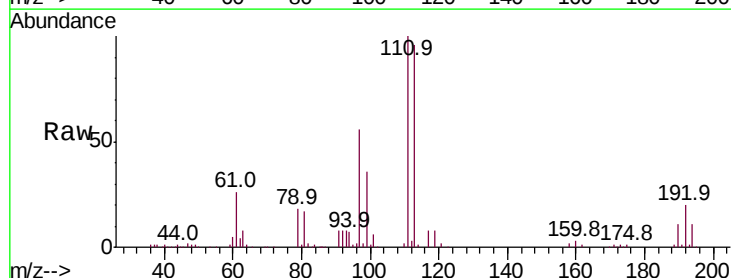
RT: 5.49 min Scan# 712

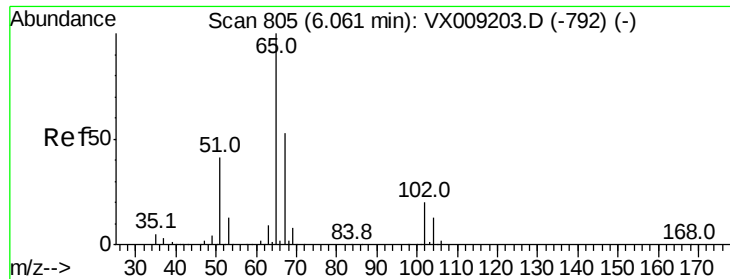
Delta R.T. 0.00 min

Lab File: VX009772.D

Acq: 22 May 2019 01:54

Tgt Ion:	97	Resp:	49395
Ion Ratio	Lower	Upper	
97	100		
99	63.4	51.8	77.8
61	48.1	37.8	56.8





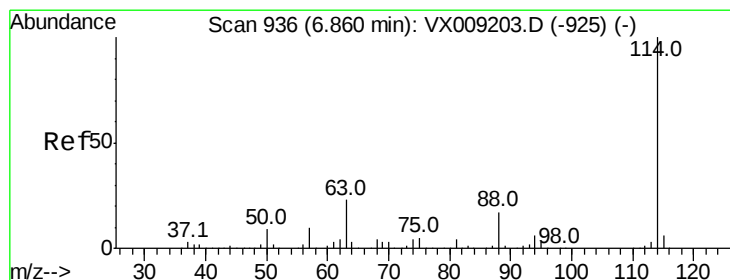
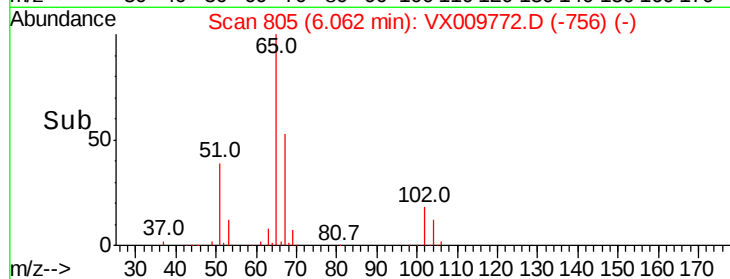
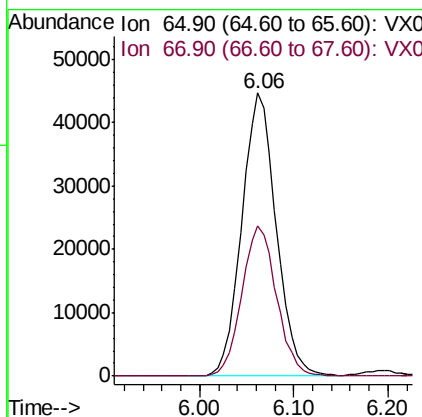
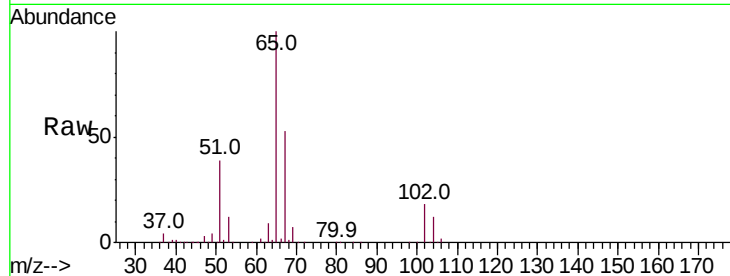
#33
 1,2-Dichloroethane-d4
 Concen: 54.901 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009772.D
 Acq: 22 May 2019 01:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0521WBS04

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	106.6

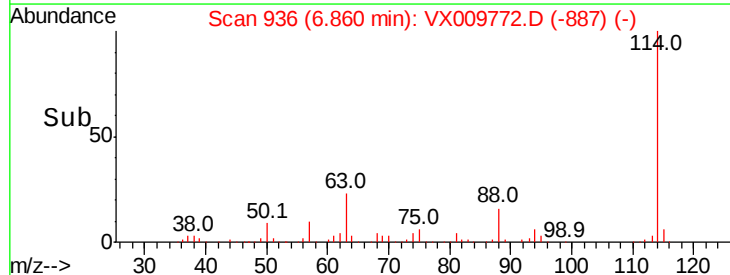
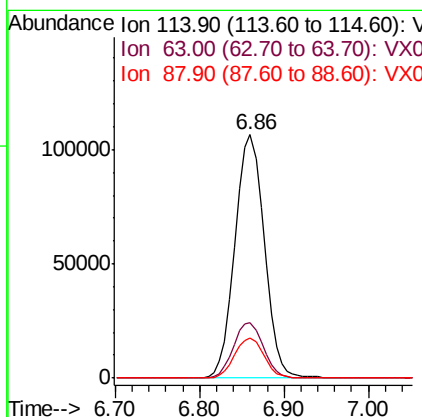
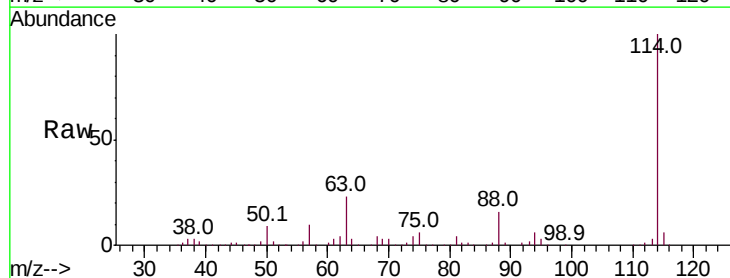
Manual Integrations
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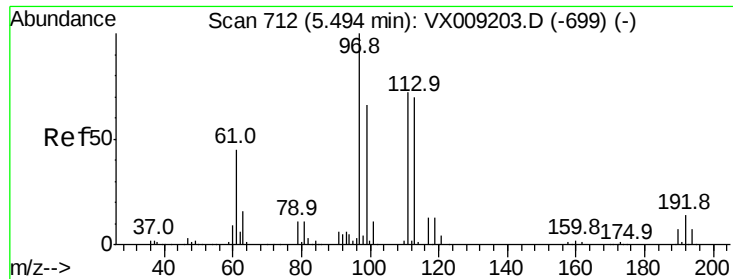
MMDadoda
 5/22/2019 9:37:31 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009772.D
 Acq: 22 May 2019 01:54

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.0	0.0	45.6
88	16.4	0.0	33.2





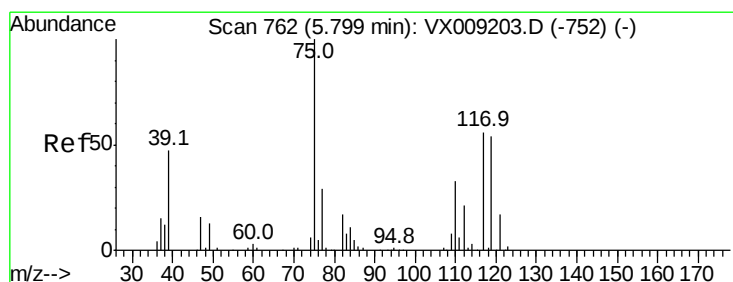
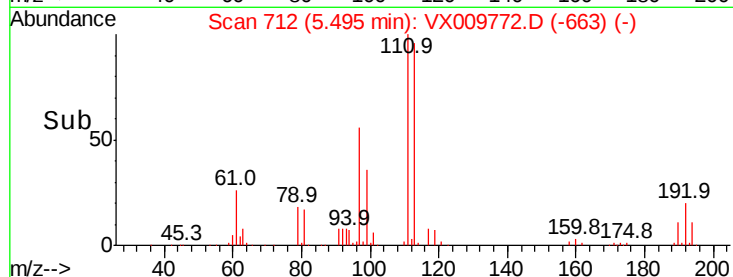
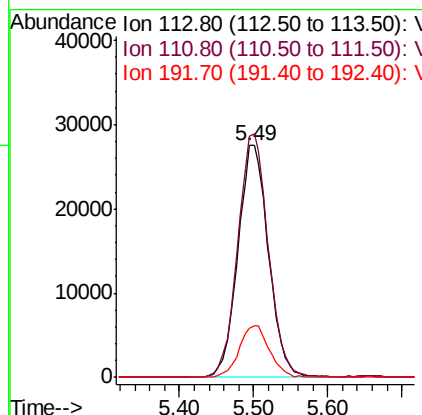
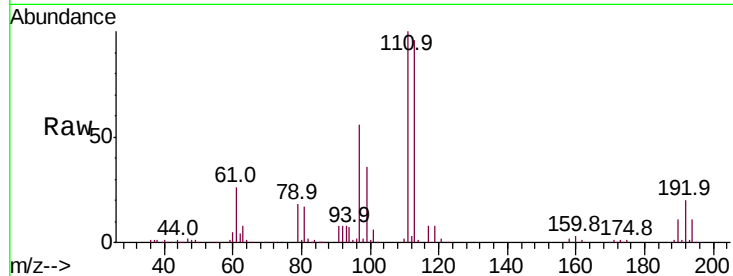
#35
 Dibromofluoromethane
 Concen: 50.215 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX009772.D
 Acq: 22 May 2019 01:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0521WBS04

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.9	82.8	124.2
192	21.9	17.0	25.6

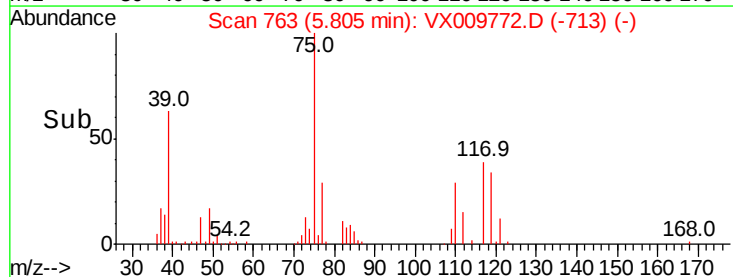
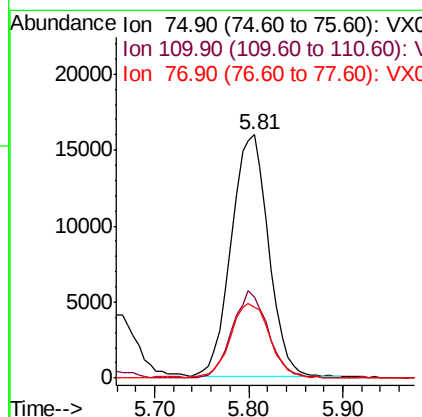
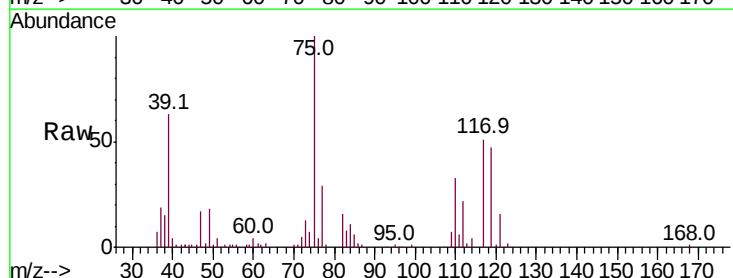
Manual Integrations
 APPROVED

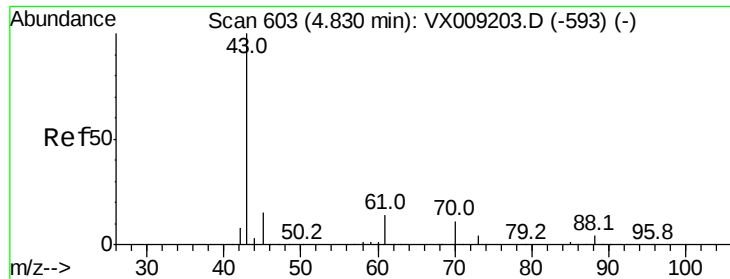
MMDadoda
 5/22/2019 9:37:31 AM



#36
 1,1-Dichloropropene
 Concen: 18.850 ug/l
 RT: 5.81 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: VX009772.D
 Acq: 22 May 2019 01:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.8	16.9	50.6
77	32.5	24.8	37.2





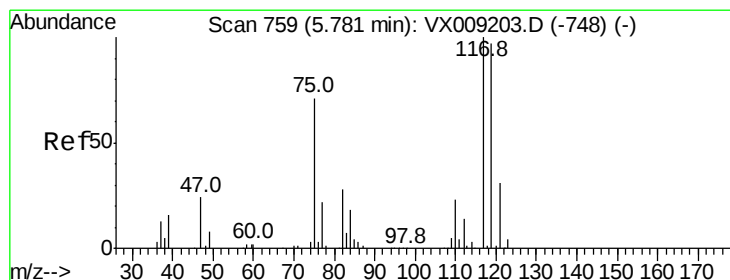
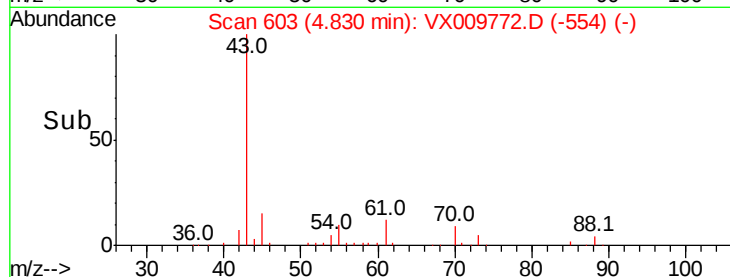
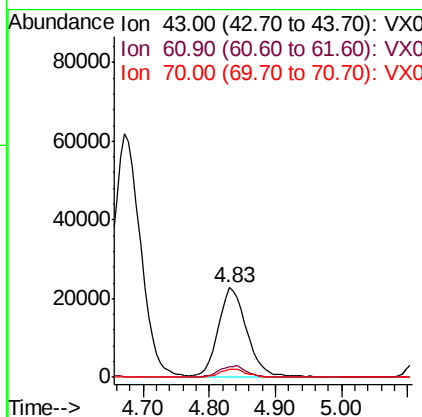
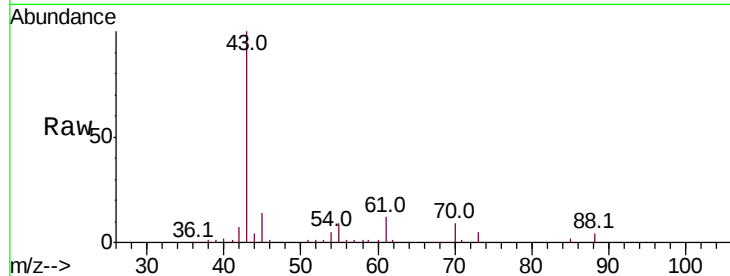
#37
Ethyl Acetate
Concen: 20.645 ug/l
RT: 4.83 min Scan# 603
Delta R.T. 0.00 min
Lab File: VX009772.D
Acq: 22 May 2019 01:54

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS04

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.5	15.7
70	9.4	7.9	11.9

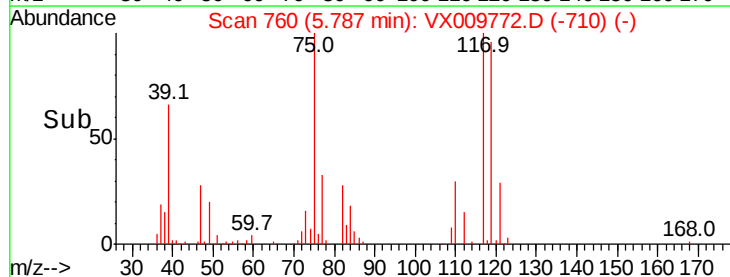
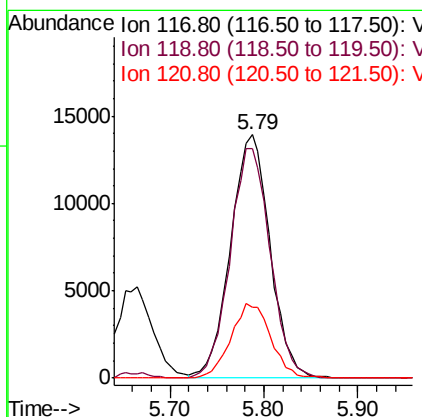
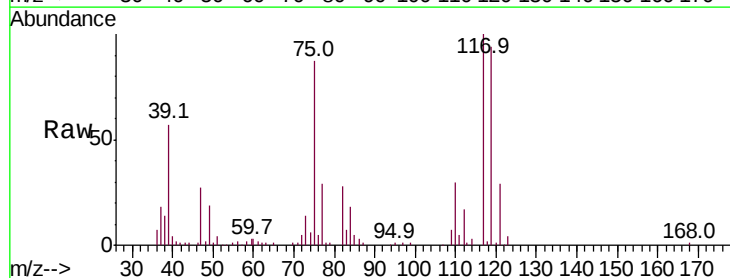
Manual Integrations
APPROVED

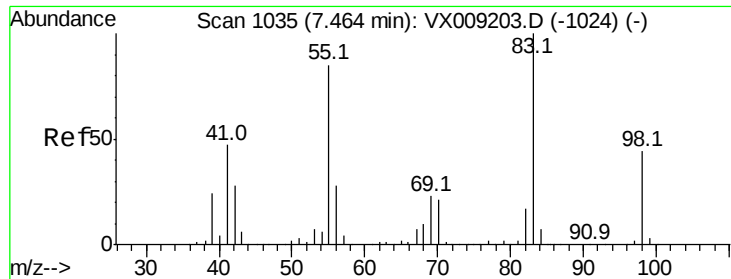
MMDadoda
5/22/2019 9:37:31 AM



#38
Carbon Tetrachloride
Concen: 19.188 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX009772.D
Acq: 22 May 2019 01:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.5	77.5	116.3
121	29.1	24.7	37.1





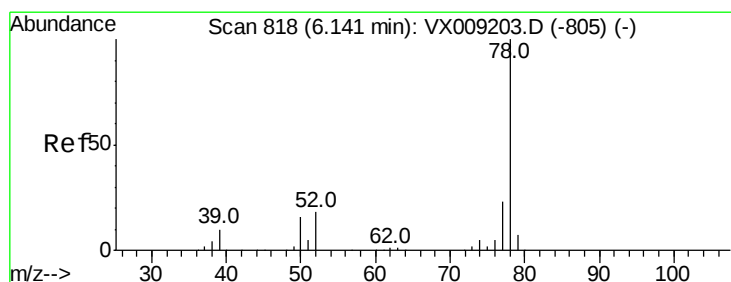
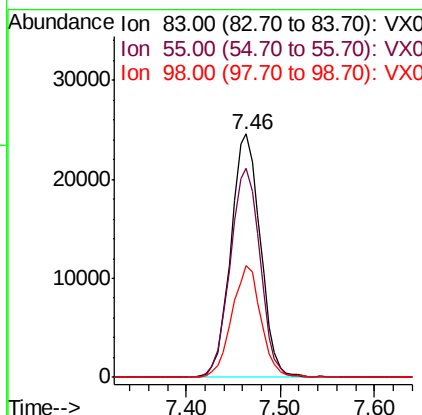
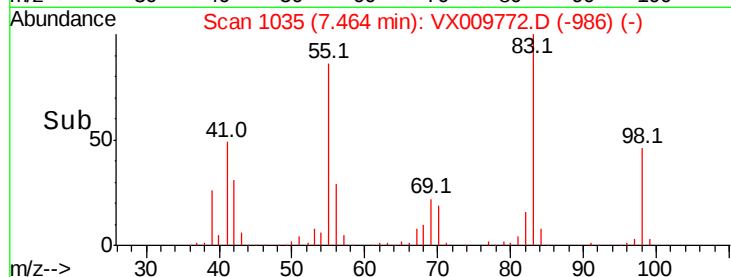
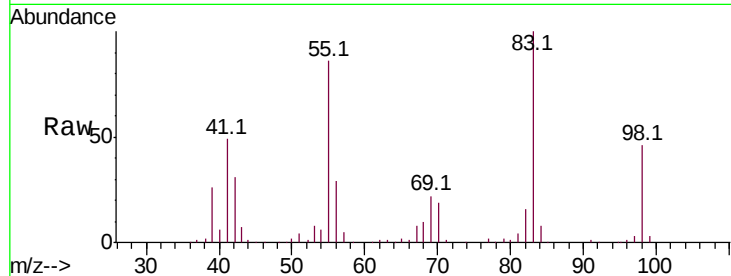
#39
Methvlcvclohexane
Concen: 18.687 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009772.D
Acq: 22 May 2019 01:54

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS04

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.7	67.7	101.5
98	46.1	35.5	53.3

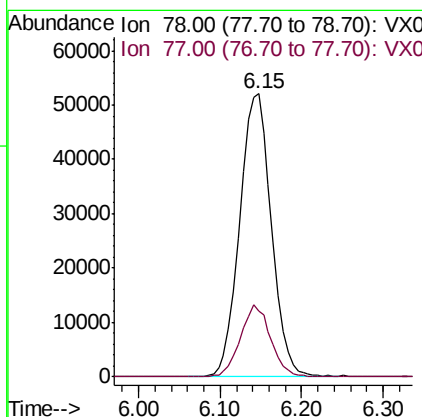
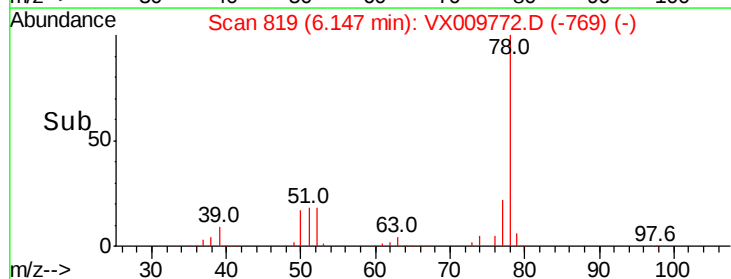
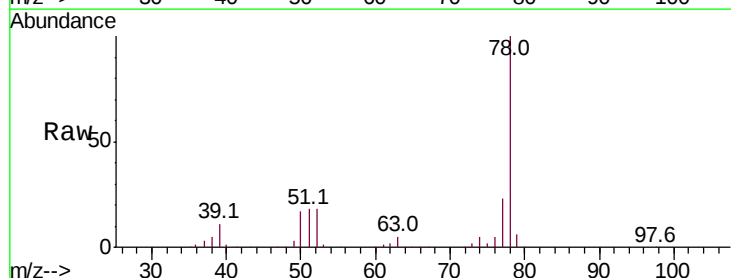
Manual Integrations
APPROVED

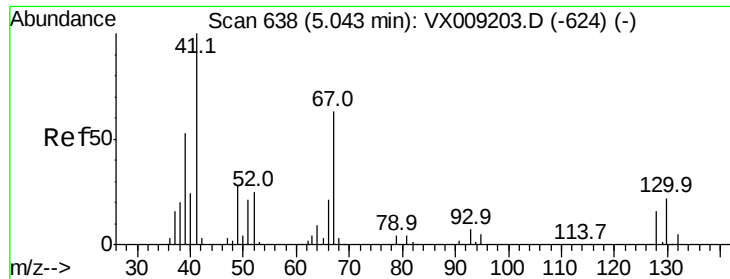
MMDadoda
5/22/2019 9:37:31 AM



#40
Benzene
Concen: 19.375 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX009772.D
Acq: 22 May 2019 01:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2





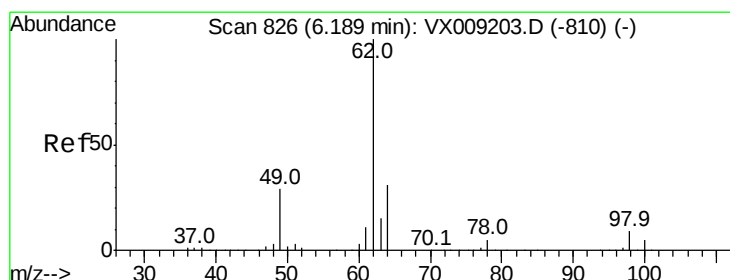
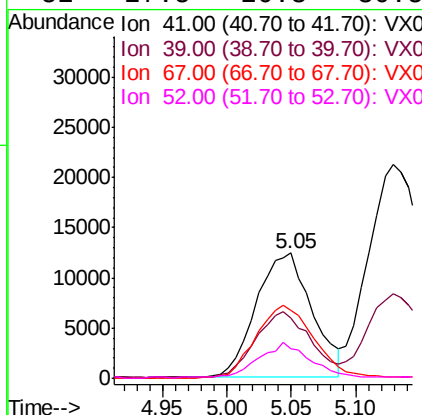
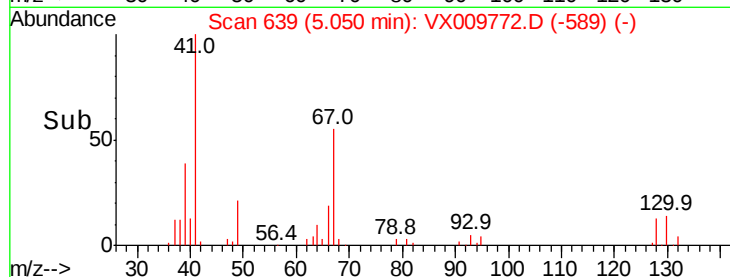
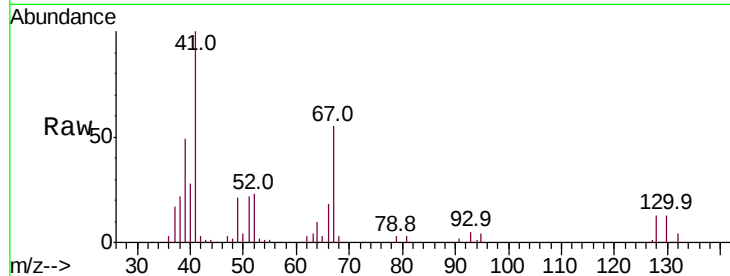
#41
Methacrylonitrile
Concen: 19.265 ug/l
RT: 5.05 min Scan# 639
Delta R.T. 0.01 min
Lab File: VX009772.D
Acq: 22 May 2019 01:54

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS04

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.4	42.0	63.0
67	61.7	49.8	74.8
52	27.5	20.3	30.5

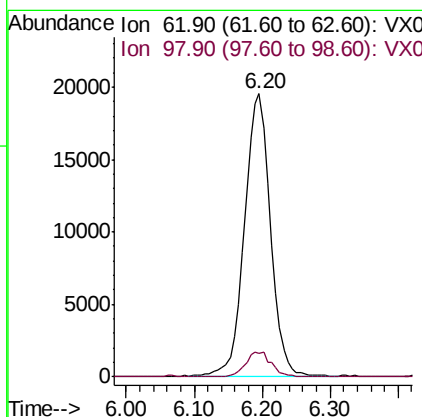
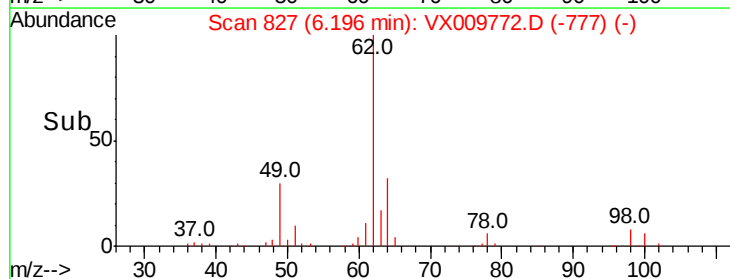
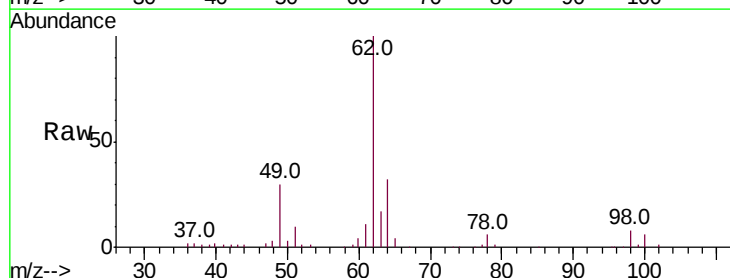
Manual Integrations
APPROVED

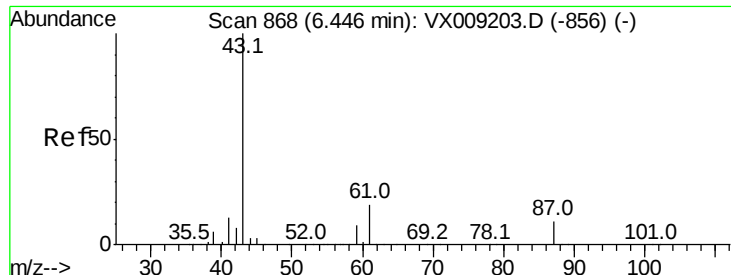
MMDadoda
5/22/2019 9:37:31 AM



#42
1,2-Dichloroethane
Concen: 20.061 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX009772.D
Acq: 22 May 2019 01:54

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.2





#43

Isopropyl Acetate

Concen: 20.186 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX009772.D

Acq: 22 May 2019 01:54

Instrument :

MSVOA_X

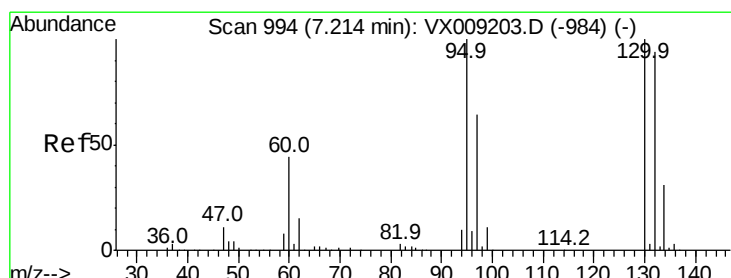
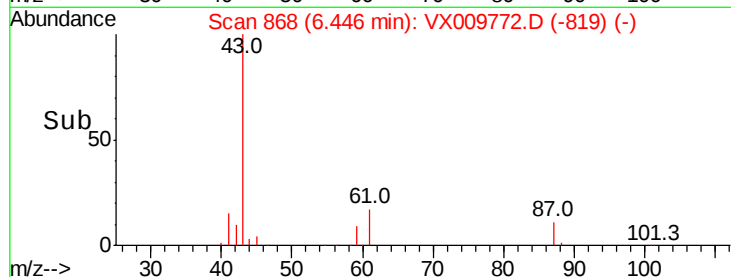
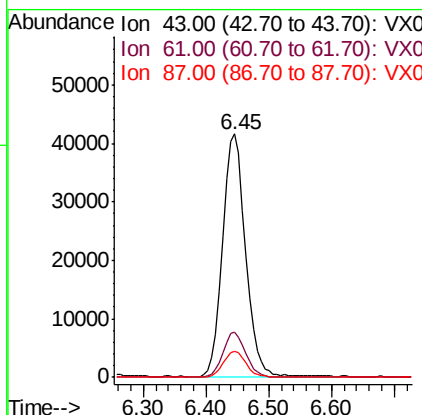
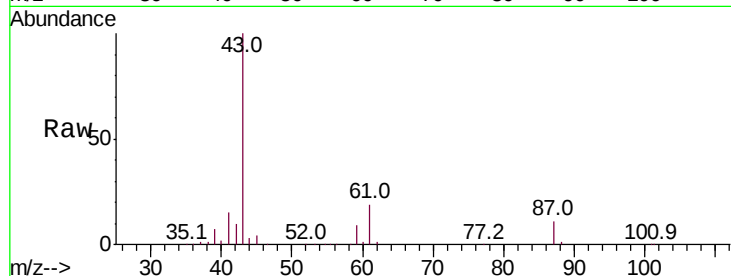
ClientSampleId :

VX0521WBS04

Tot Ion:	43	Resp:	105227
Ion	Ratio	Lower	Upper
43	100		
61	18.2	15.1	22.7
87	10.7	9.0	13.6

Manual Integrations
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#44

Trichloroethene

Concen: 18.725 ug/l

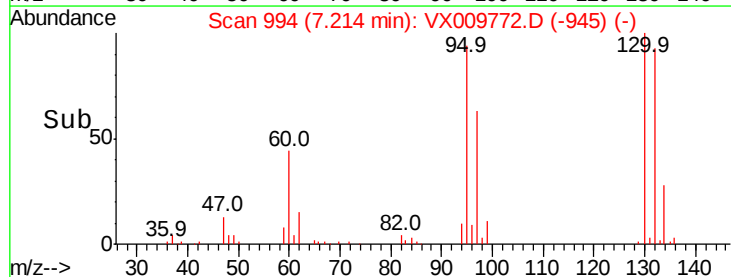
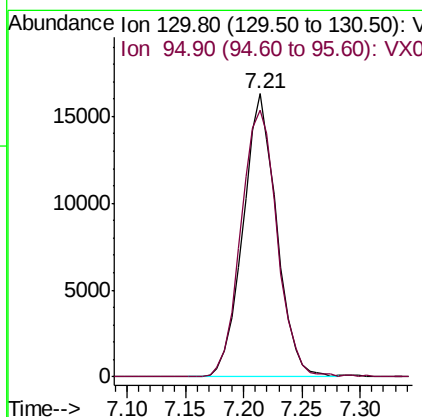
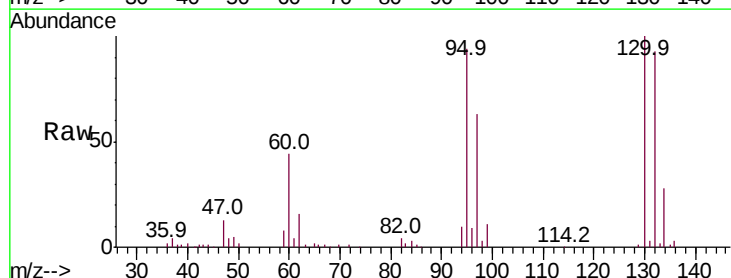
RT: 7.21 min Scan# 994

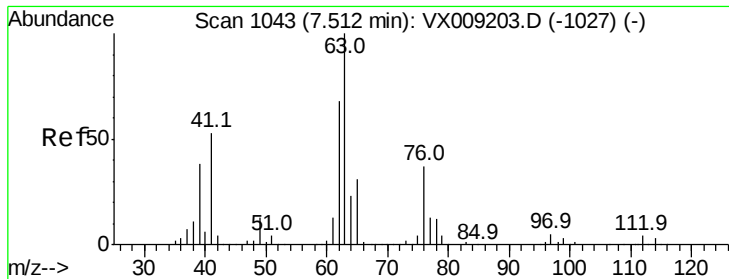
Delta R.T. 0.00 min

Lab File: VX009772.D

Acq: 22 May 2019 01:54

Tgt Ion:	130	Resp:	32768
Ion	Ratio	Lower	Upper
130	100		
95	94.4	0.0	199.2





#45

1,2-Dichloropropane

Concen: 19.557 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX009772.D

Acq: 22 May 2019 01:54

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS04

Tot Ion: 63 Resp: 40086

Ion Ratio Lower Upper

63 100

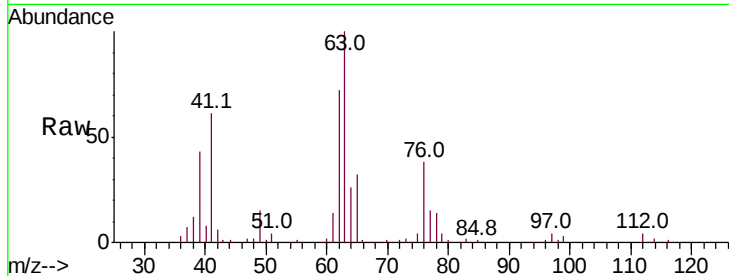
65 31.8 25.0 37.6

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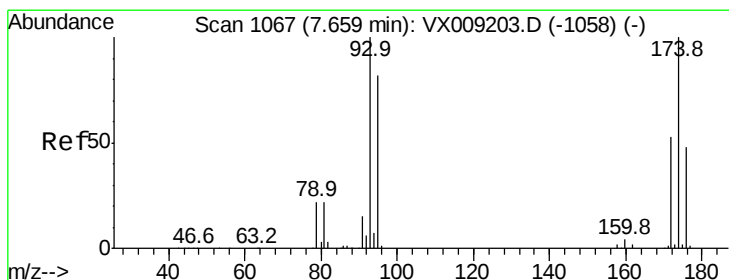
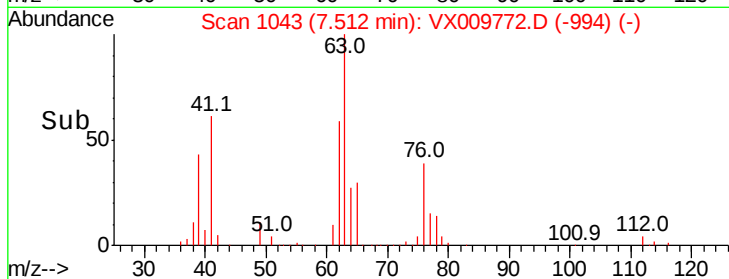
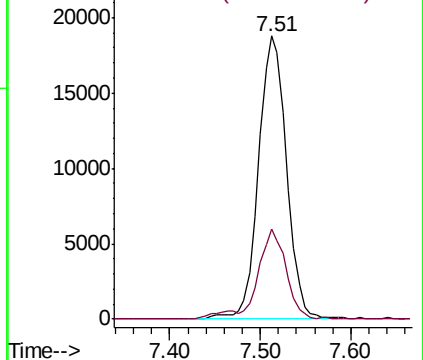
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 19.221 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX009772.D

Acq: 22 May 2019 01:54

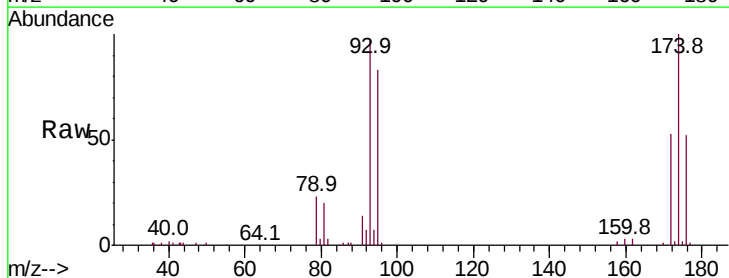
Tgt Ion: 93 Resp: 22878

Ion Ratio Lower Upper

93 100

95 83.3 66.5 99.7

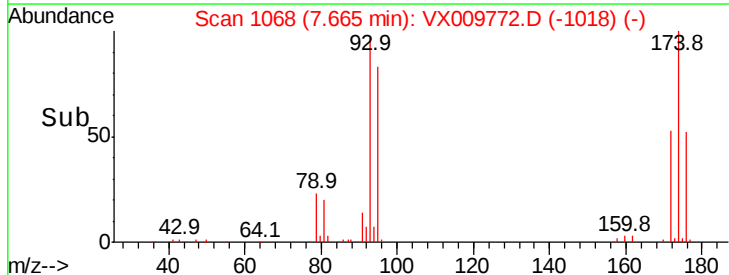
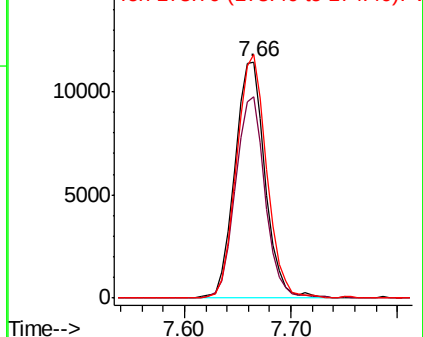
174 102.7 82.1 123.1

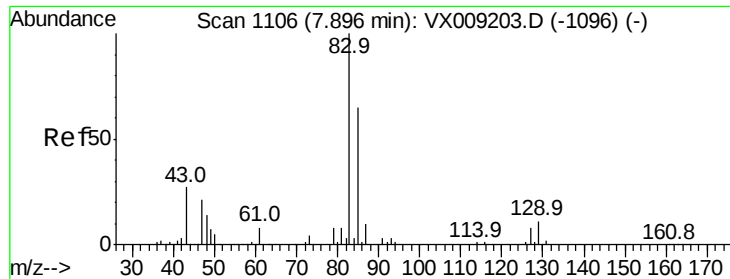


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 18.724 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009772.D

Acq: 22 May 2019 01:54

Instrument :

MSVOA_X

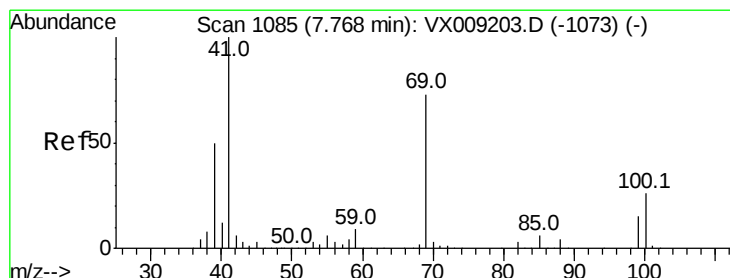
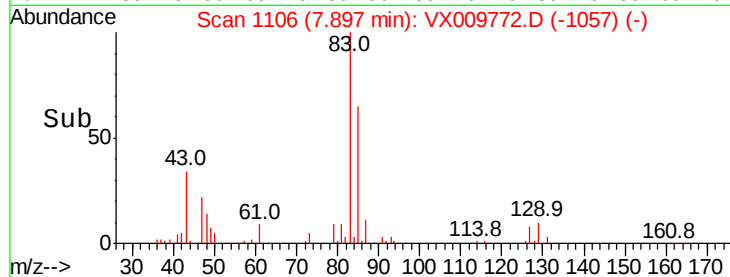
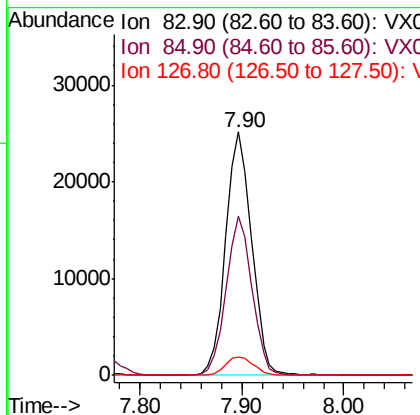
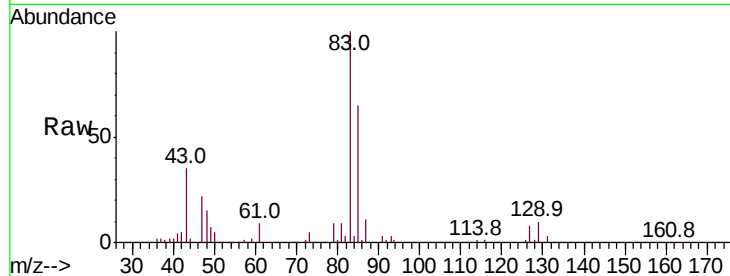
ClientSampleId :

VX0521WBS04

Tot Ion:	83	Resp:	44456
Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.4	78.6
127	7.7	6.6	10.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.063 ug/l

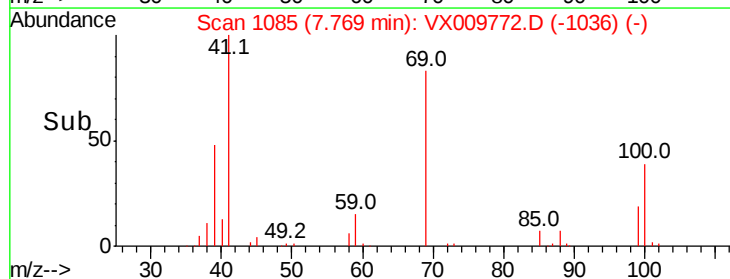
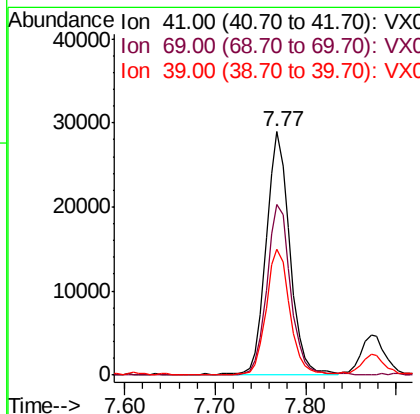
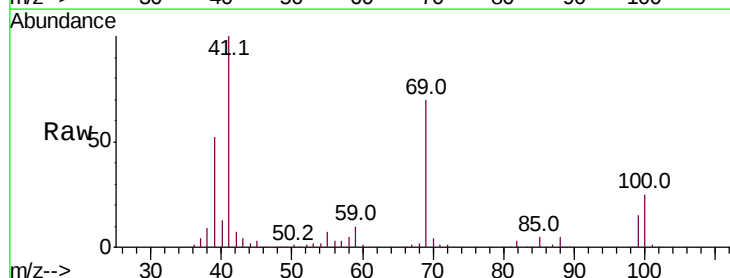
RT: 7.77 min Scan# 1085

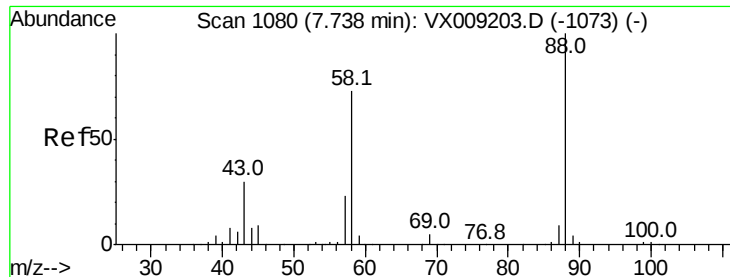
Delta R.T. 0.00 min

Lab File: VX009772.D

Acq: 22 May 2019 01:54

Tgt Ion:	41	Resp:	51886
Ion	Ratio	Lower	Upper
41	100		
69	71.1	59.1	88.7
39	51.7	40.4	60.6





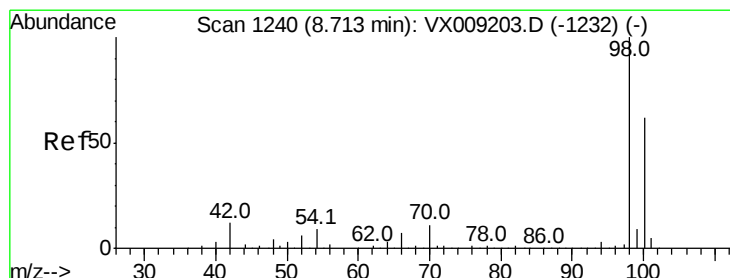
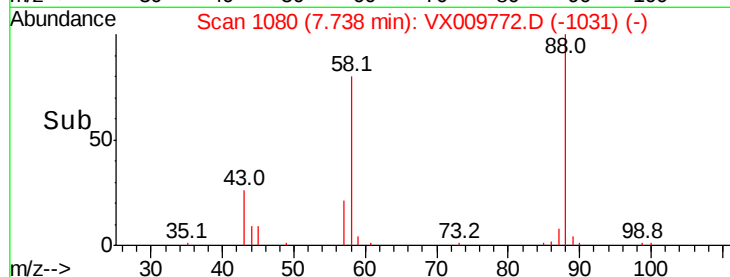
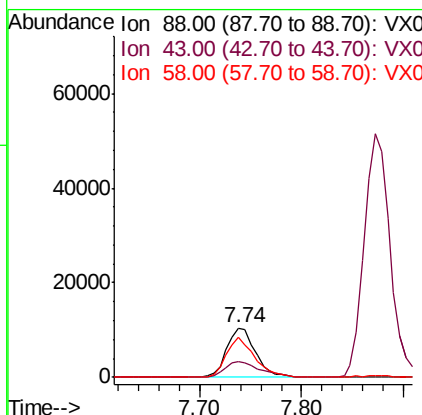
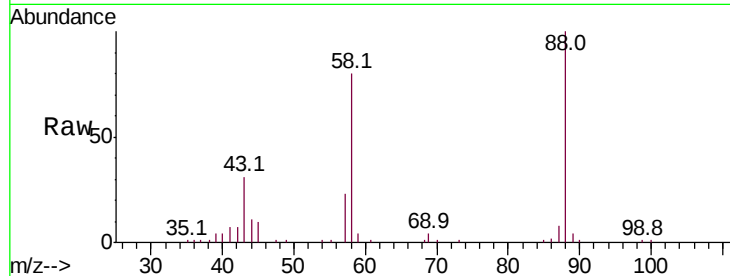
#49
1,4-Dioxane
Concen: 390.658 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX009772.D
Acq: 22 May 2019 01:54

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS04

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.9	28.6	42.8
58	80.1	61.7	92.5

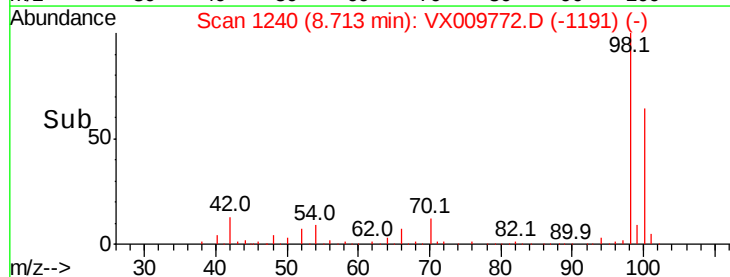
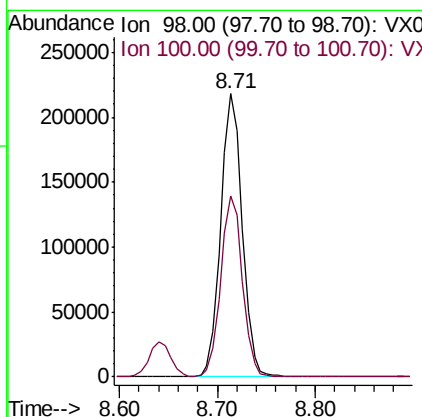
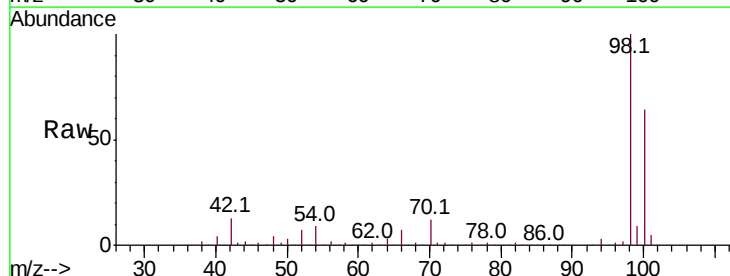
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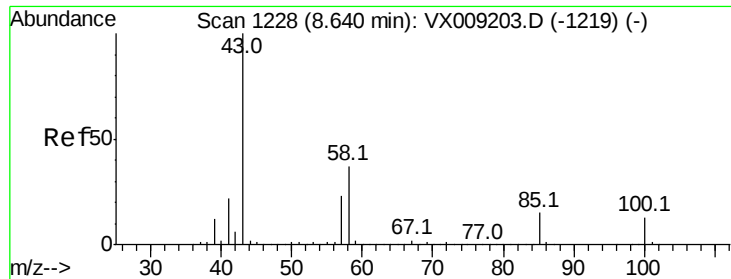
MMDadoda
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#50
Toluene-d8
Concen: 52.088 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009772.D
Acq: 22 May 2019 01:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 102.165 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009772.D

Acq: 22 May 2019 01:54

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS04

Tot Ion: 43 Resp: 348094

Ion Ratio Lower Upper

43 100

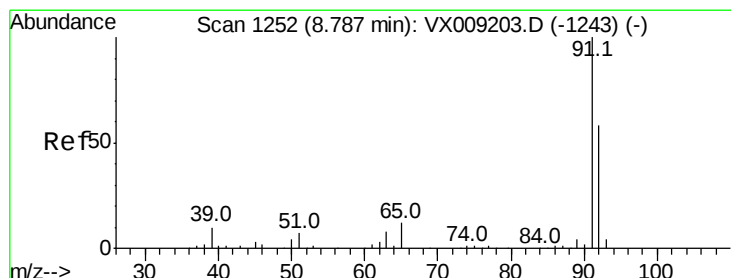
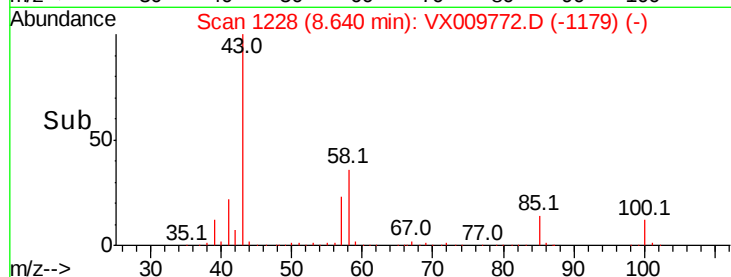
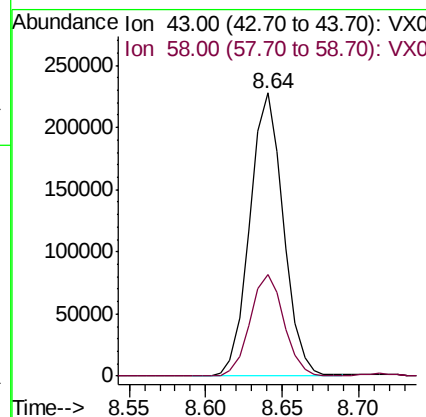
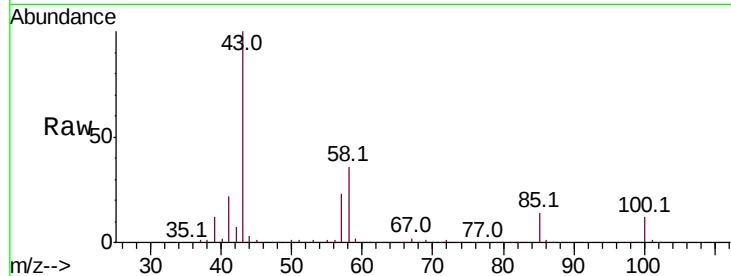
58 36.1 29.5 44.3

Manual Integrations

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#52

Toluene

Concen: 19.629 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009772.D

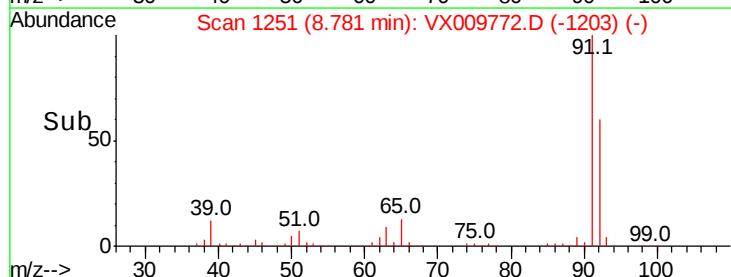
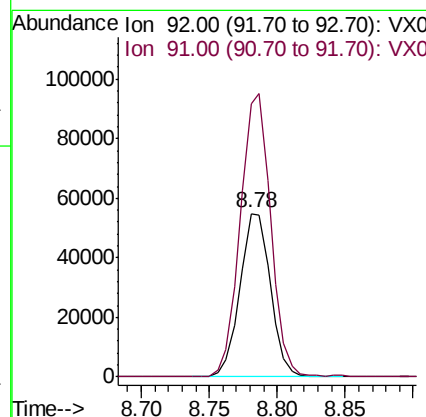
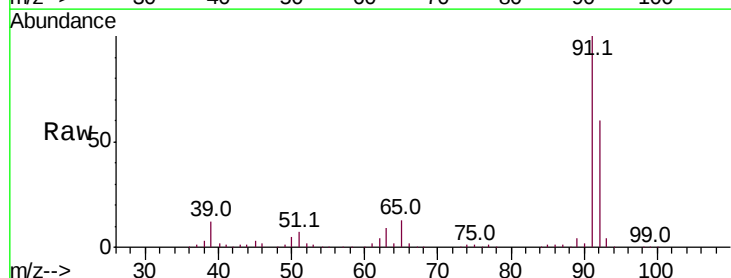
Acq: 22 May 2019 01:54

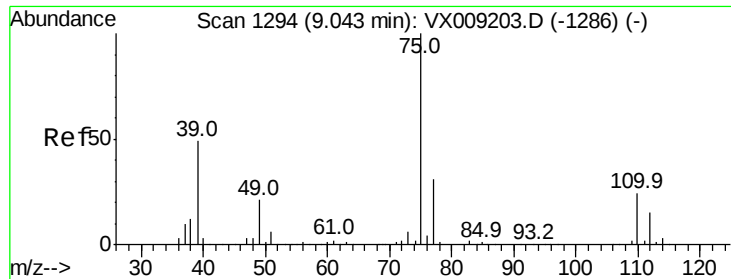
Tgt Ion: 92 Resp: 86372

Ion Ratio Lower Upper

92 100

91 171.7 138.8 208.2





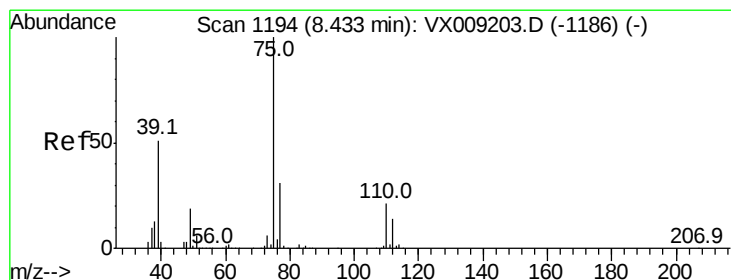
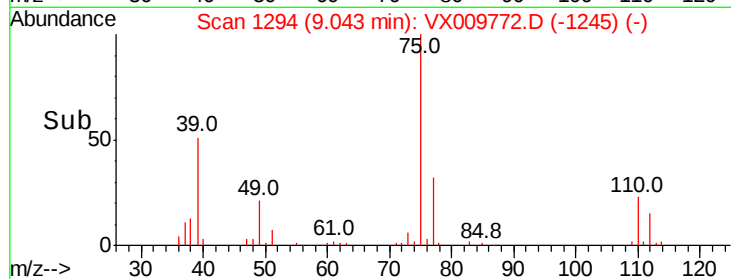
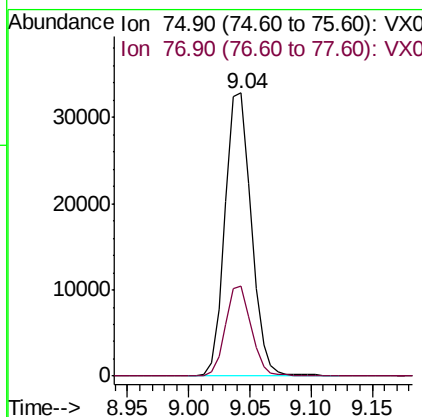
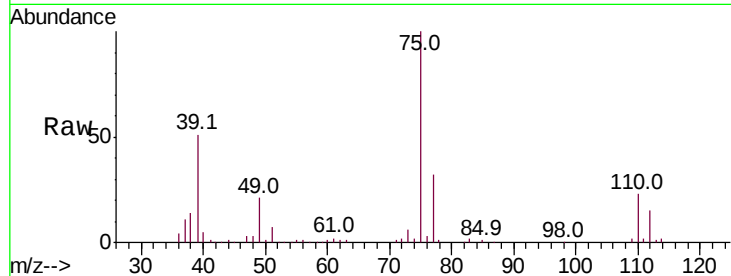
#53
t-1,3-Dichloropropene
Concen: 18.334 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX009772.D
Acq: 22 May 2019 01:54

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS04

Tot Ion: 75 Resp: 49147
Ion Ratio Lower Upper
75 100
77 32.0 25.0 37.6

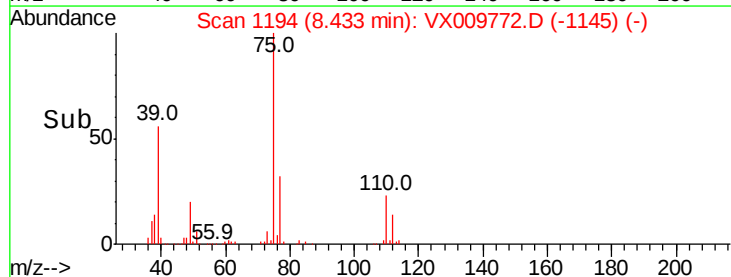
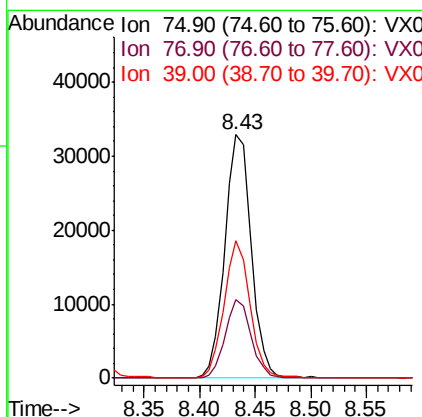
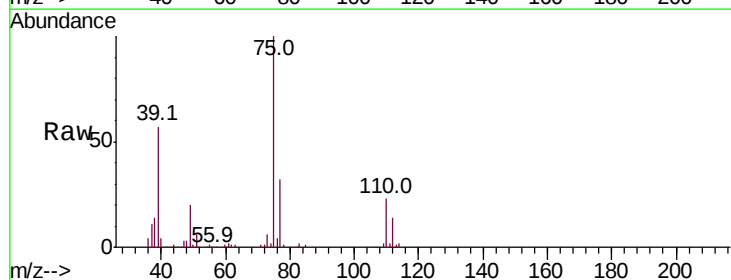
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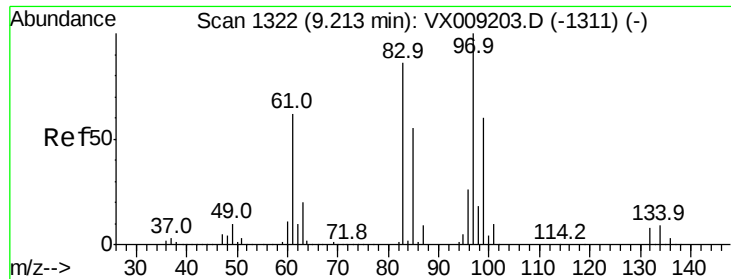
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#54
cis-1,3-Dichloropropene
Concen: 18.303 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX009772.D
Acq: 22 May 2019 01:54

Tgt Ion: 75 Resp: 54306
Ion Ratio Lower Upper
75 100
77 32.1 24.6 36.8
39 56.3 40.6 60.8





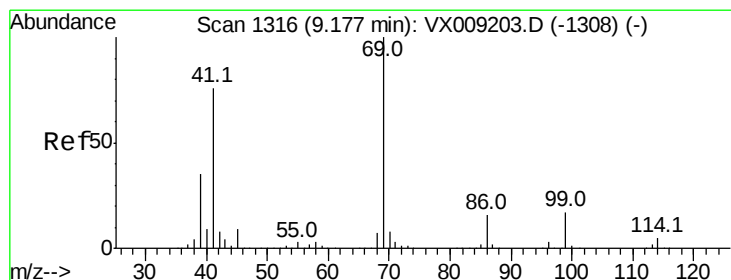
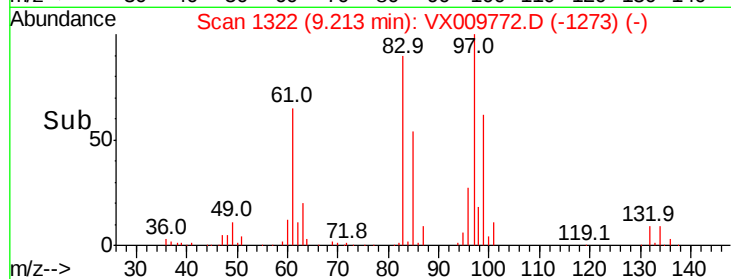
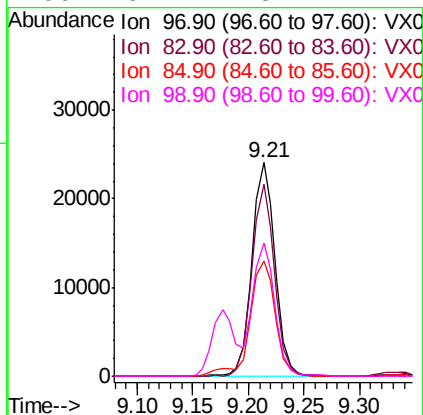
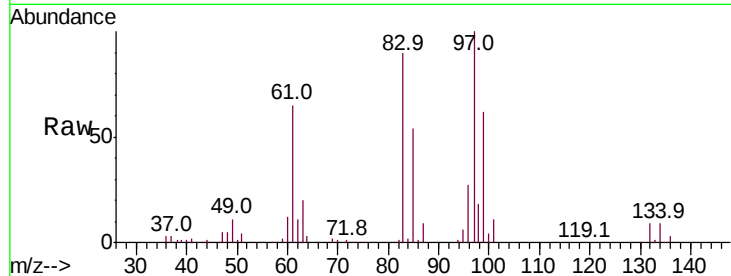
#55
 1,1,2-Trichloroethane
 Concen: 19.403 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009772.D
 Acq: 22 May 2019 01:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0521WBS04

Tot Ion:	97	Resp:	34831
Ion	Ratio	Lower	Upper
97	100		
83	89.8	68.9	103.3
85	54.2	43.8	65.6
99	62.1	48.2	72.2

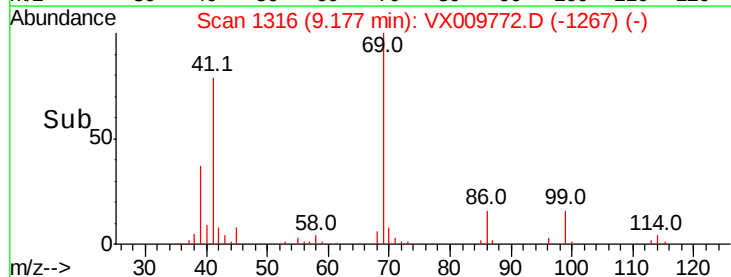
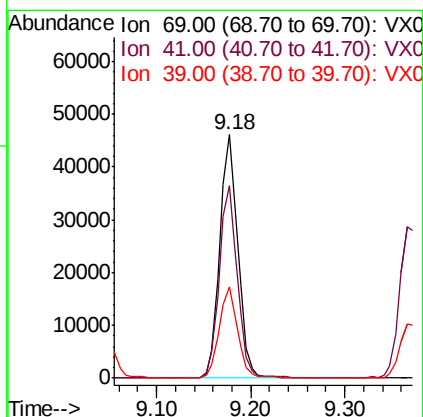
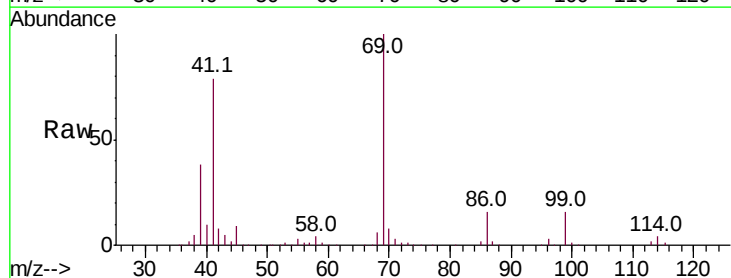
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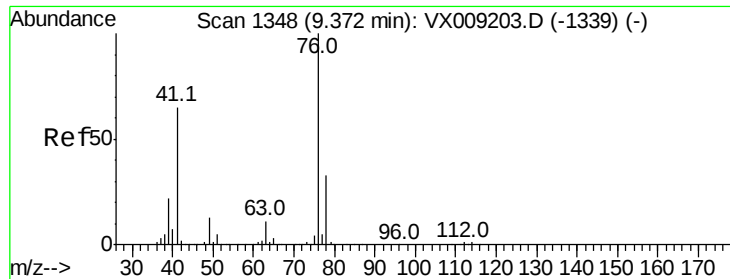
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 5/22/2019 9:37:31 AM



#56
 Ethyl methacrylate
 Concen: 19.325 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009772.D
 Acq: 22 May 2019 01:54

Tgt Ion:	69	Resp:	61927
Ion	Ratio	Lower	Upper
69	100		
41	78.4	60.6	90.8
39	37.5	28.2	42.4





#57

1,3-Dichloropropane

Concen: 19.250 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX009772.D

Acq: 22 May 2019 01:54

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS04

Tot Ion: 76 Resp: 60813

Ion Ratio Lower Upper

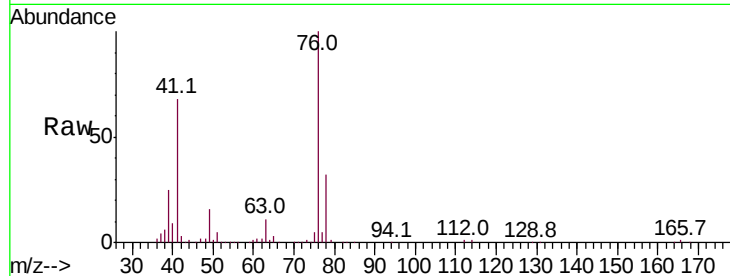
76 100

78 32.1 25.5 38.3

Manual Integrations
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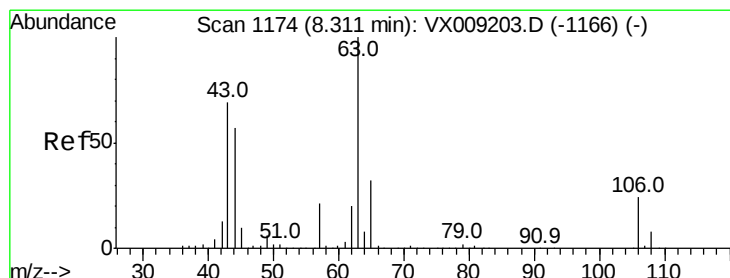
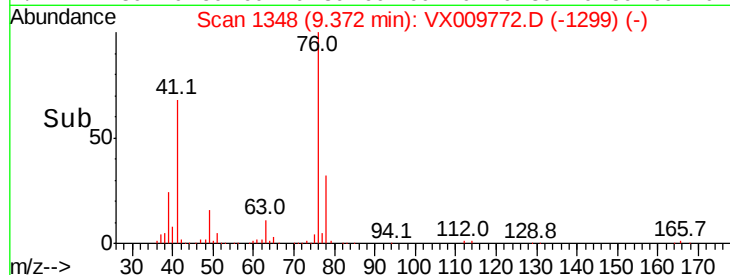
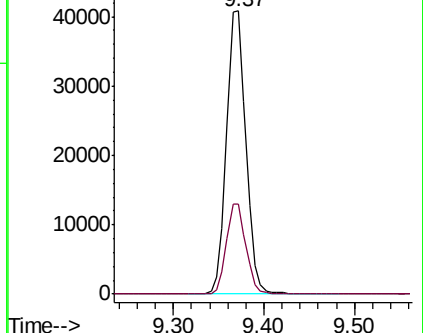
MMDadoda

5/22/2019 9:37:31 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 92.777 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX009772.D

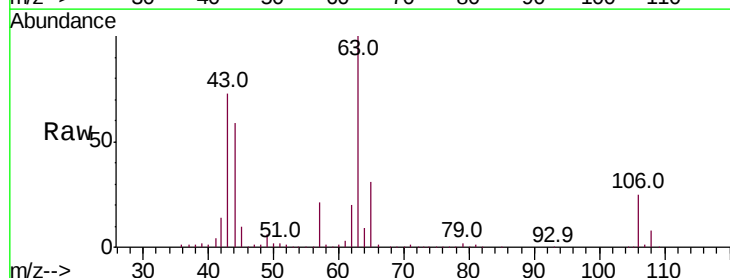
Acq: 22 May 2019 01:54

Tgt Ion: 63 Resp: 157718

Ion Ratio Lower Upper

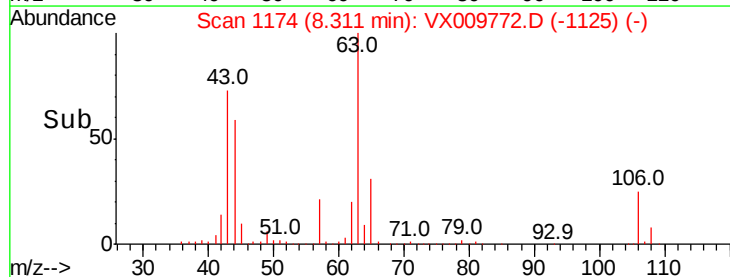
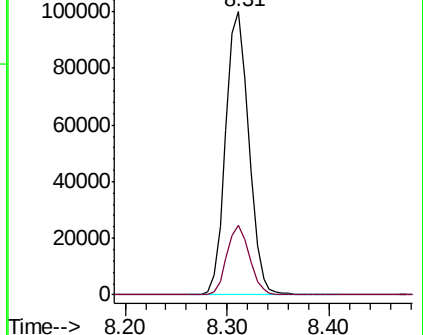
63 100

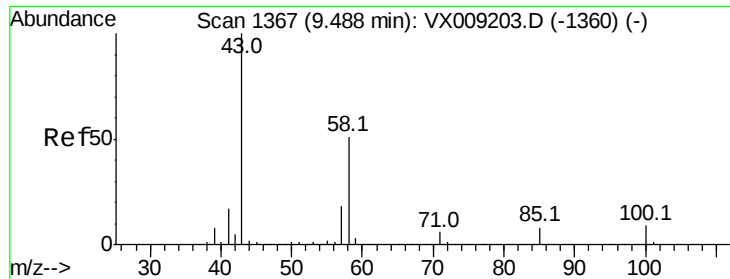
106 24.0 19.7 29.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 100.580 ug/l

RT: 9.49 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VX009772.D

Acq: 22 May 2019 01:54

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS04

Tot Ion: 43 Resp: 269147

Ion Ratio Lower Upper

43 100

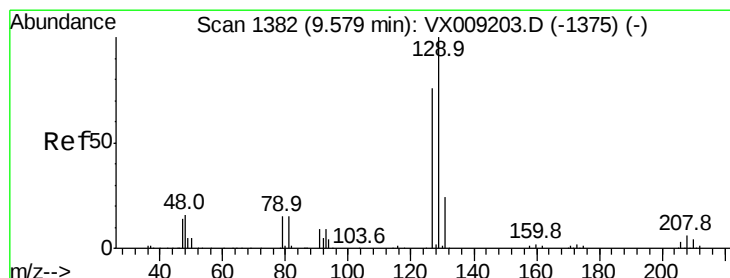
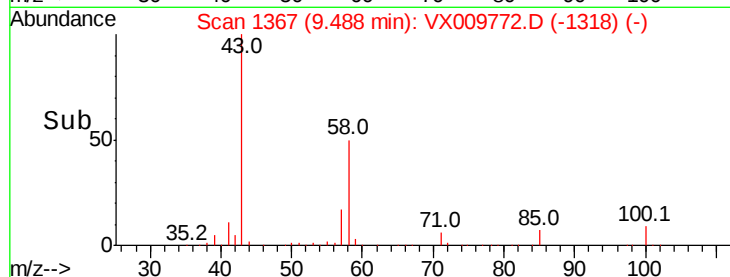
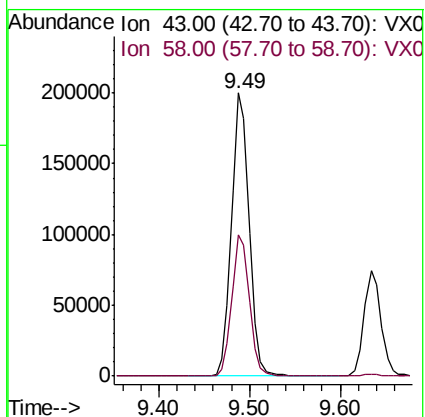
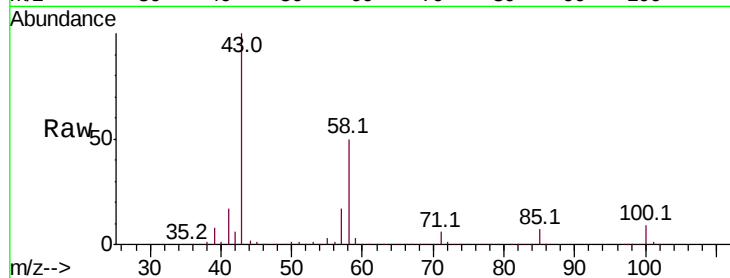
58 50.1 25.9 77.7

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#60

Dibromochloromethane

Concen: 18.702 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX009772.D

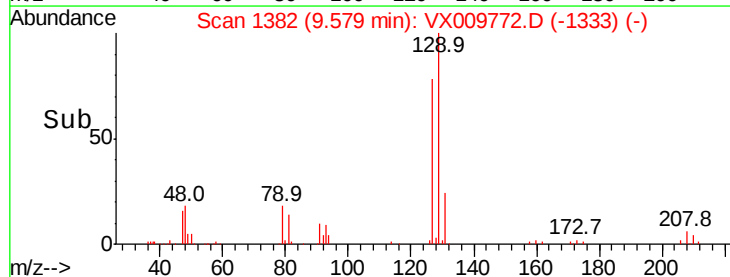
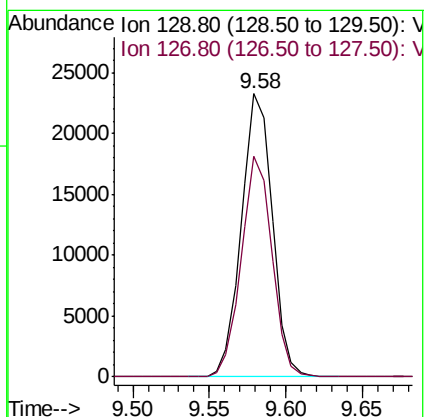
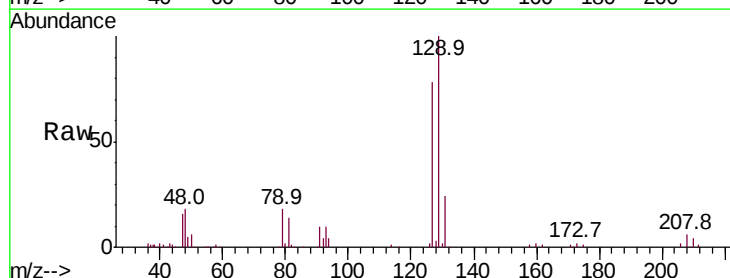
Acq: 22 May 2019 01:54

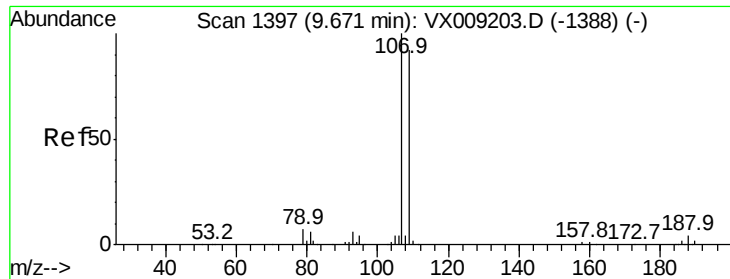
Tgt Ion: 129 Resp: 32791

Ion Ratio Lower Upper

129 100

127 77.2 38.4 115.1





#61

1,2-Dibromoethane

Concen: 19.602 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009772.D

Acq: 22 May 2019 01:54

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS04

Tot Ion:107 Resp: 35521

Ion Ratio Lower Upper

107 100

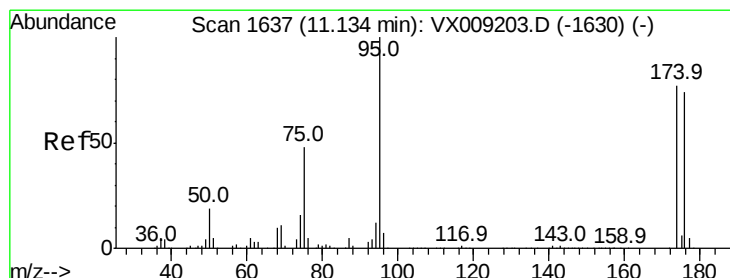
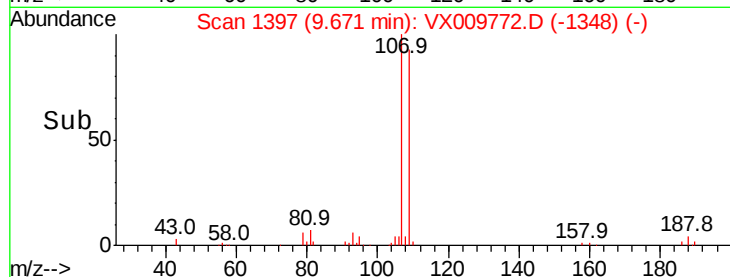
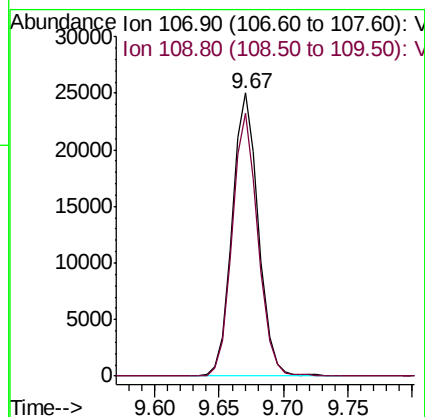
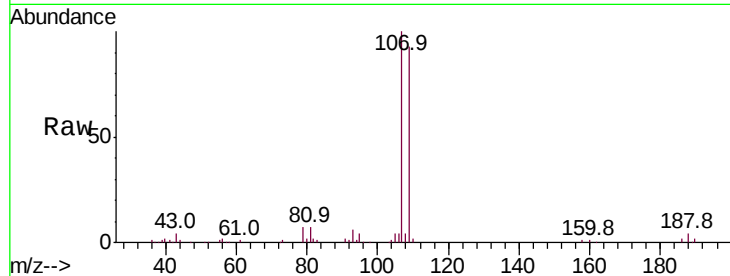
109 91.6 75.2 112.8

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 50.915 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009772.D

Acq: 22 May 2019 01:54

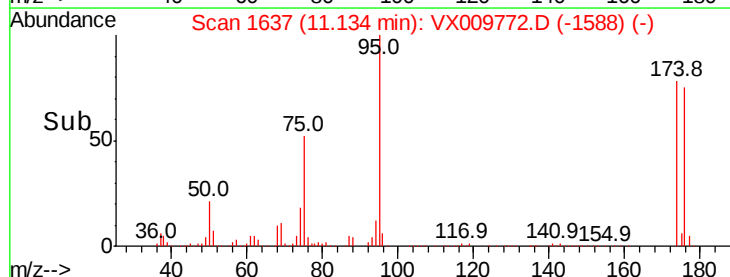
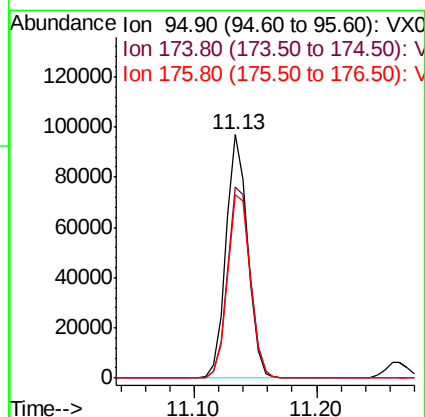
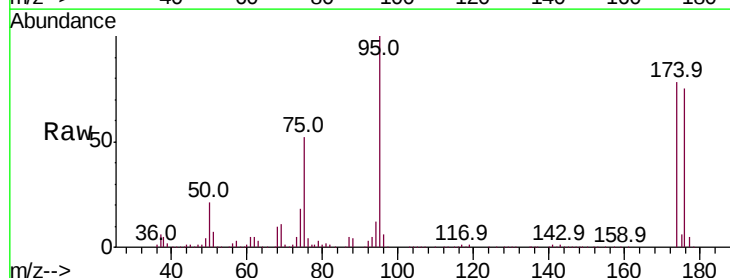
Tgt Ion: 95 Resp: 118179

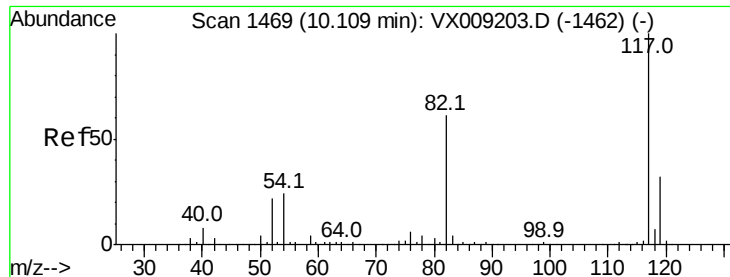
Ion Ratio Lower Upper

95 100

174 82.4 0.0 161.6

176 79.3 0.0 159.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009772.D

Acq: 22 May 2019 01:54

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS04

Tot Ion:117 Resp: 229121

Ion Ratio Lower Upper

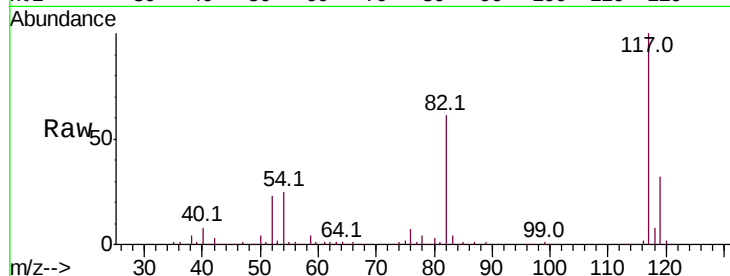
117 100

82 61.1 48.8 73.2

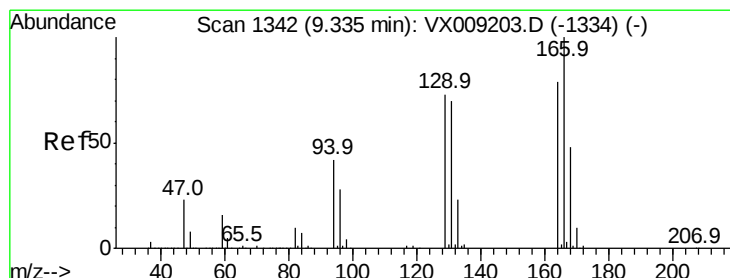
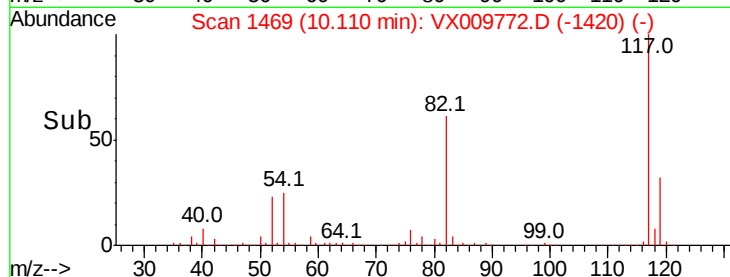
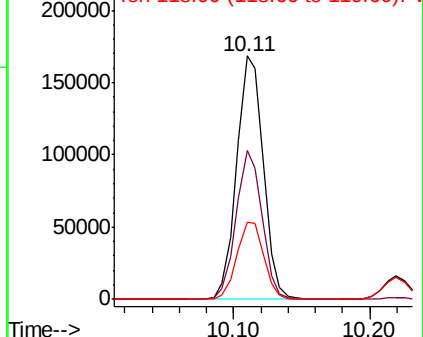
119 31.8 25.8 38.6

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Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 19.488 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX009772.D

Acq: 22 May 2019 01:54

Tgt Ion:164 Resp: 30628

Ion Ratio Lower Upper

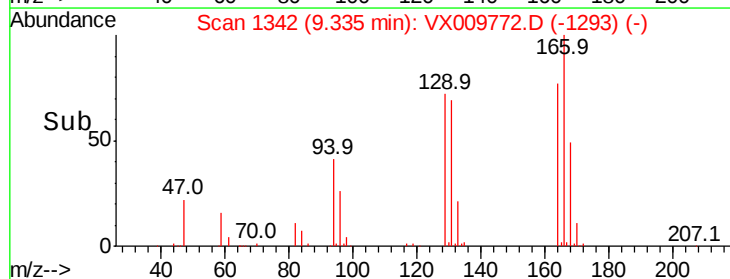
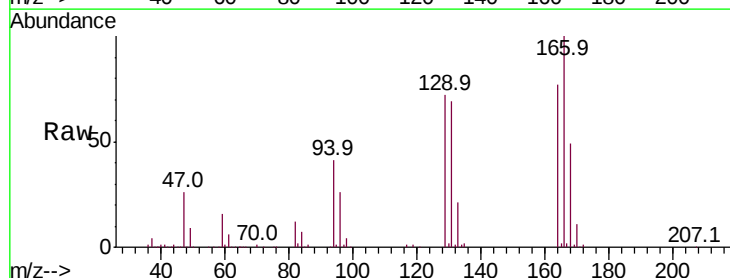
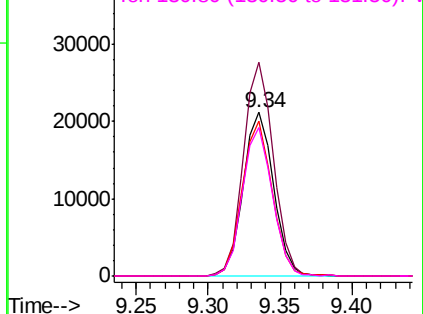
164 100

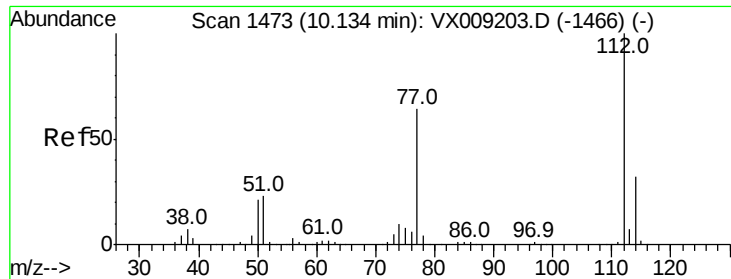
166 130.6 101.2 151.8

129 94.6 74.3 111.5

131 90.5 71.0 106.6

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





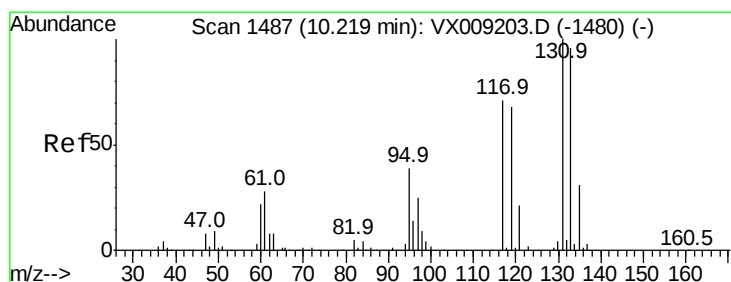
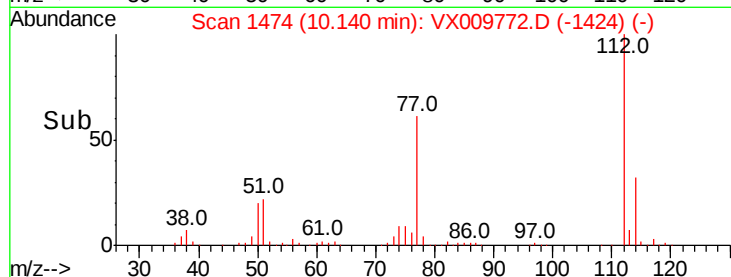
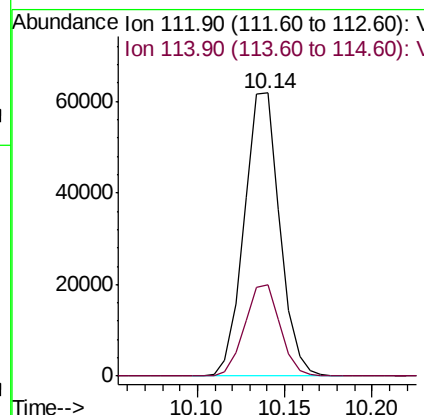
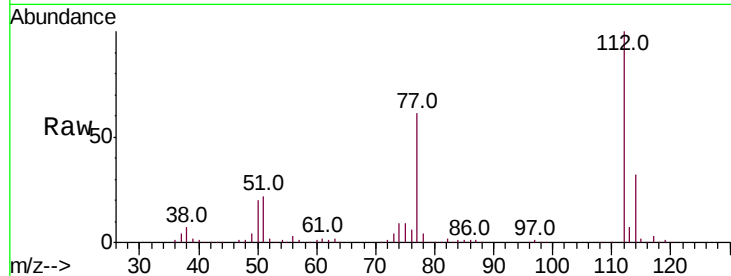
#65
Chlorobenzene
Concen: 19.056 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX009772.D
Acq: 22 May 2019 01:54

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS04

Tot Ion:112 Resp: 87341
Ion Ratio Lower Upper
112 100
114 32.4 25.5 38.3

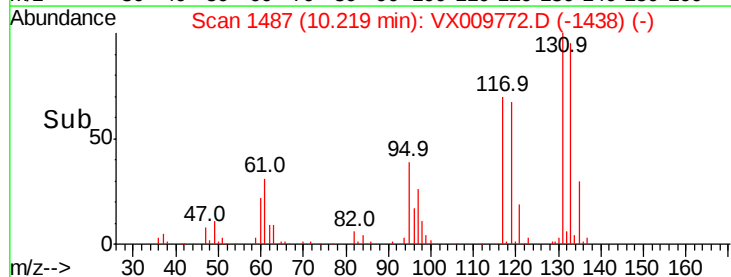
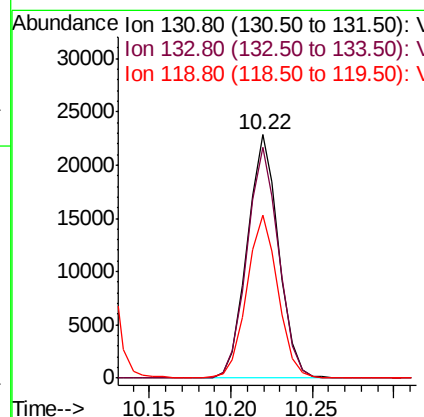
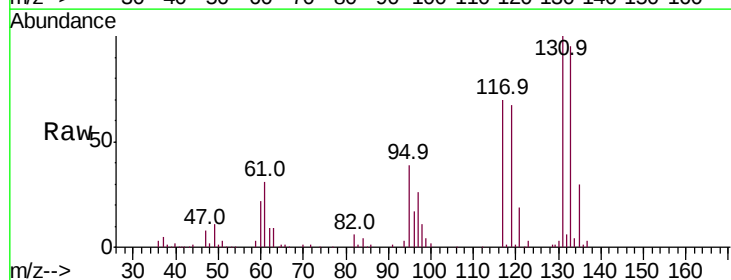
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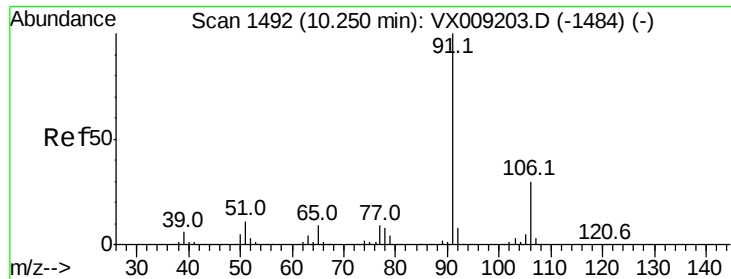
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.388 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX009772.D
Acq: 22 May 2019 01:54

Tgt Ion:131 Resp: 30556
Ion Ratio Lower Upper
131 100
133 95.9 47.7 143.1
119 66.9 33.5 100.4





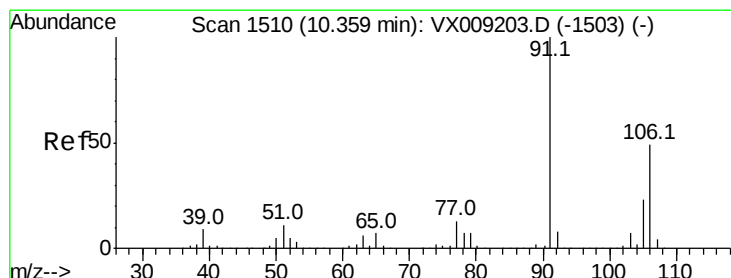
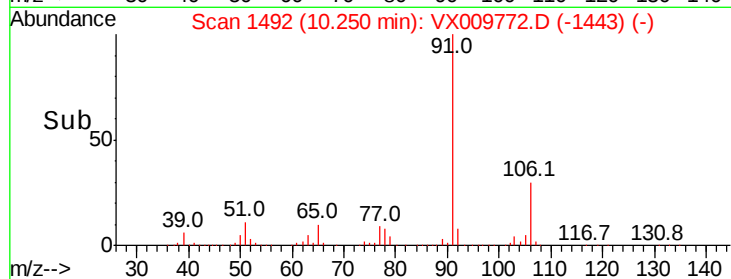
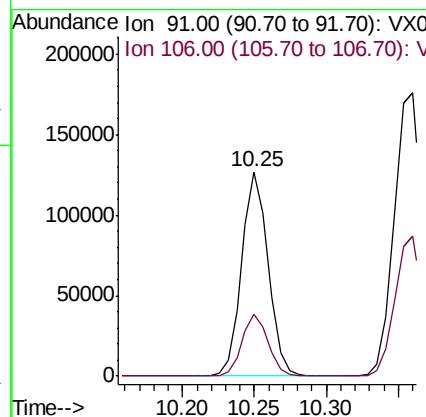
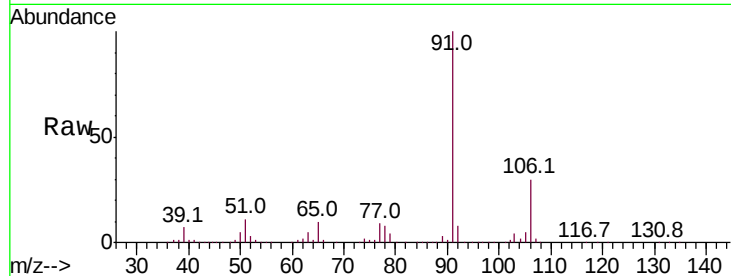
#67
Ethyl Benzene
Concen: 19.257 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX009772.D
Acq: 22 May 2019 01:54

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS04

Tot Ion: 91 Resp: 162437
Ion Ratio Lower Upper
91 100
106 30.2 24.0 36.0

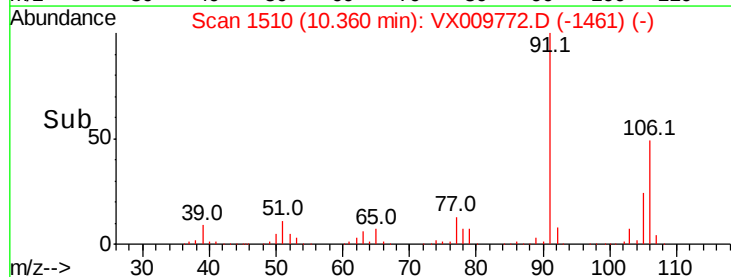
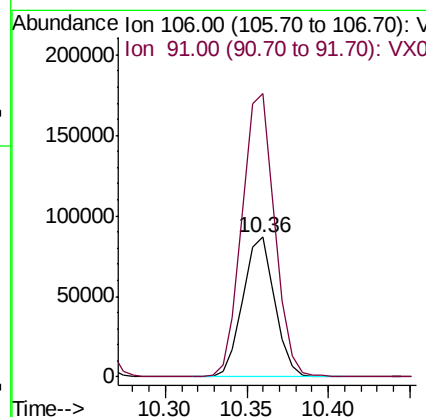
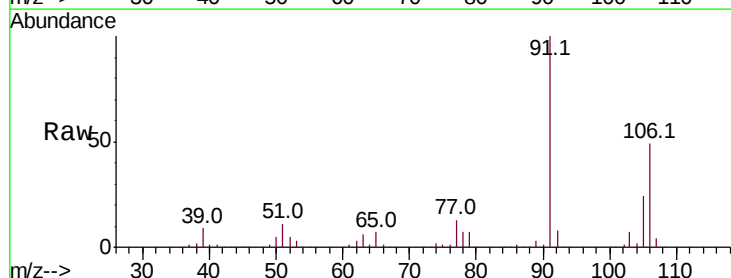
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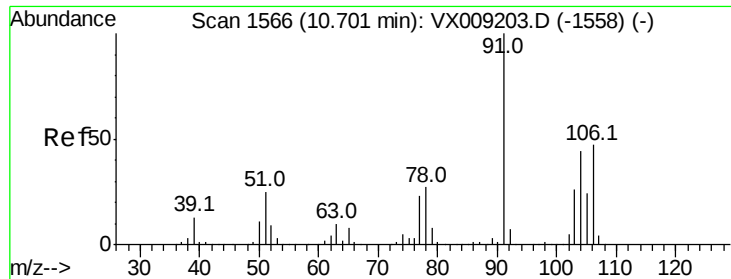
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#68
m/p-Xylenes
Concen: 38.464 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX009772.D
Acq: 22 May 2019 01:54

Tgt Ion: 106 Resp: 118567
Ion Ratio Lower Upper
106 100
91 207.7 164.0 246.0





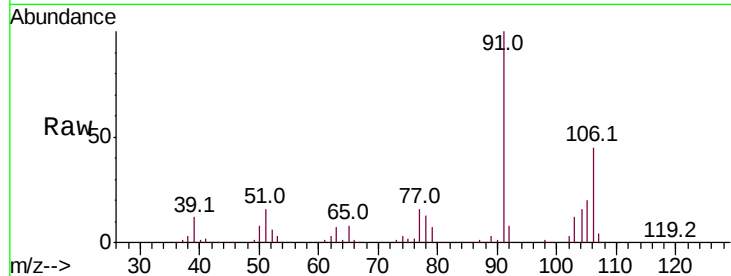
#69
o-Xylene
Concen: 18.901 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009772.D
Acq: 22 May 2019 01:54

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS04

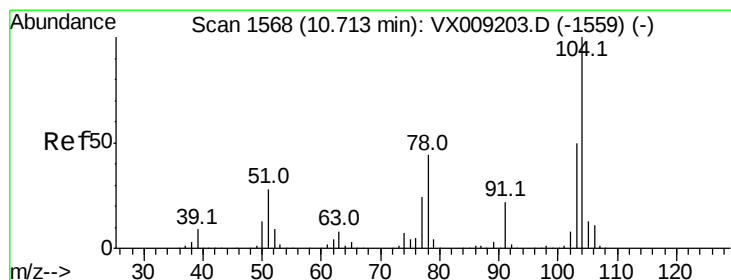
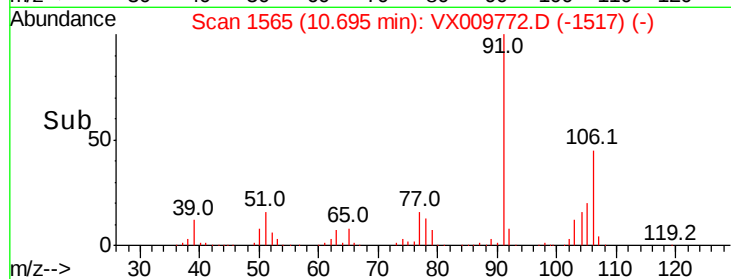
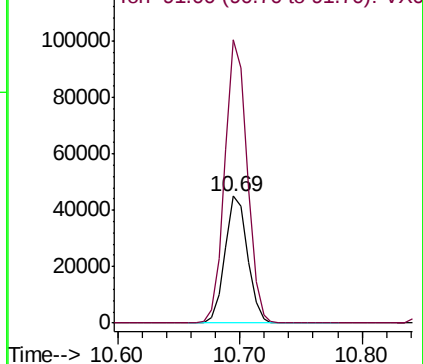
Tot Ion:106 Resp: 57485
Ion Ratio Lower Upper
106 100
91 220.5 109.5 328.4

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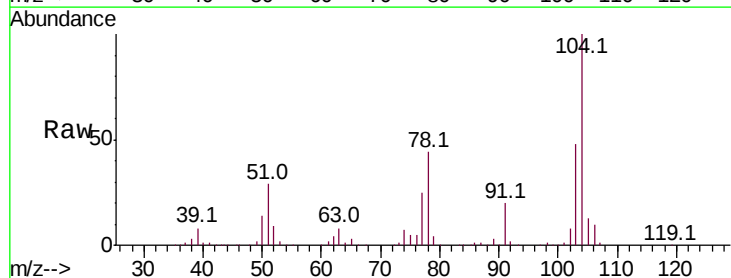


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

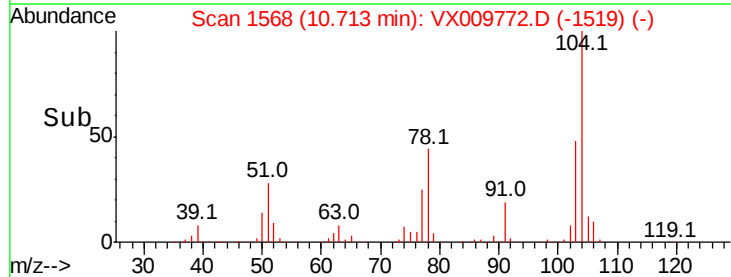
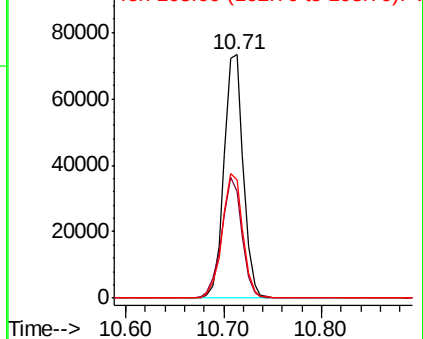


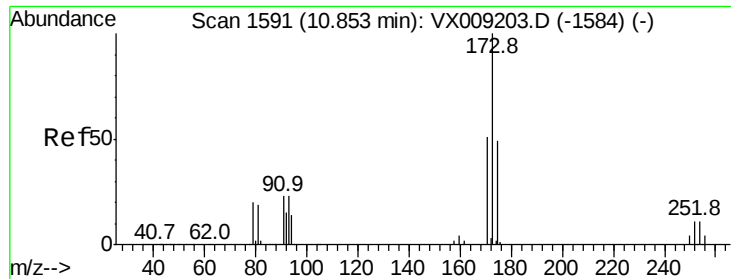
#70
Styrene
Concen: 18.974 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009772.D
Acq: 22 May 2019 01:54

Tgt Ion:104 Resp: 100298
Ion Ratio Lower Upper
104 100
78 52.2 41.0 61.4
103 54.8 43.8 65.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 18.279 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009772.D

Acq: 22 May 2019 01:54

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS04

Tot Ion:173 Resp: 24683

Ion Ratio Lower Upper

173 100

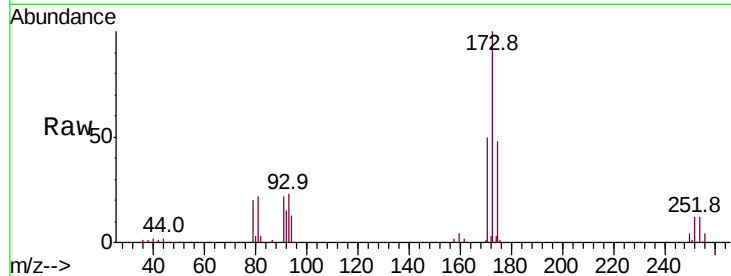
175 48.8 24.5 73.5

254 0.1 0.1 0.1

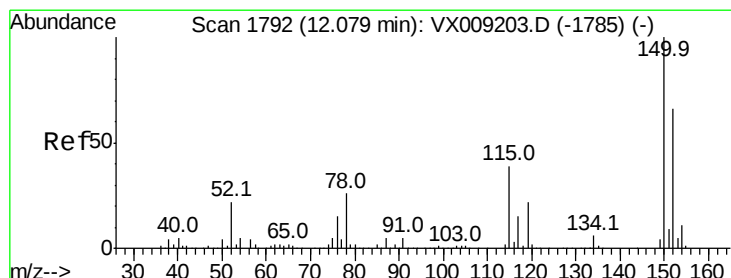
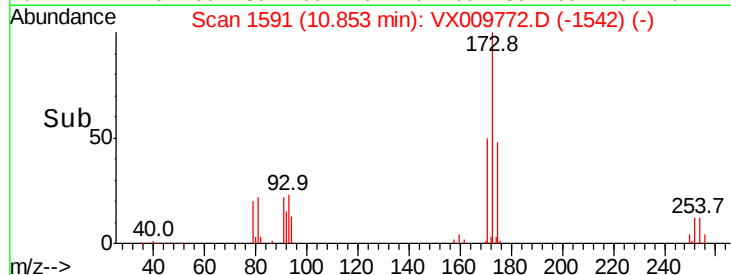
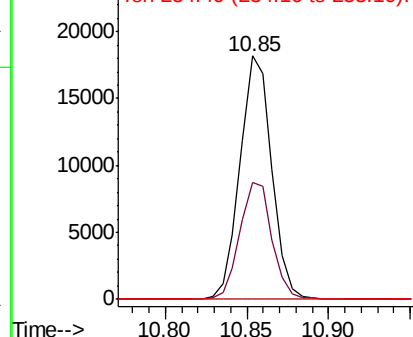
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009772.D

Acq: 22 May 2019 01:54

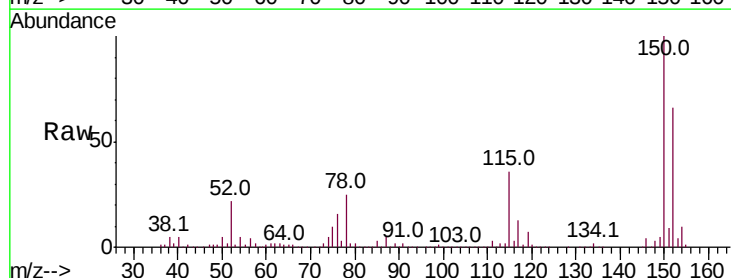
Tgt Ion:152 Resp: 109770

Ion Ratio Lower Upper

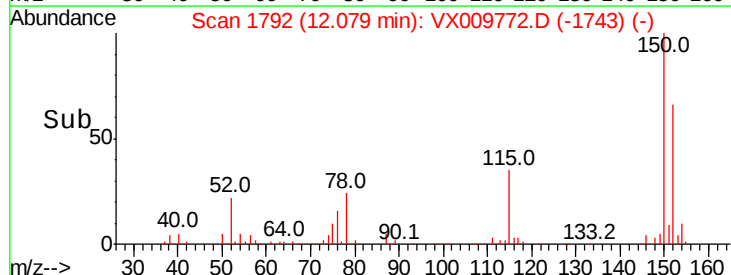
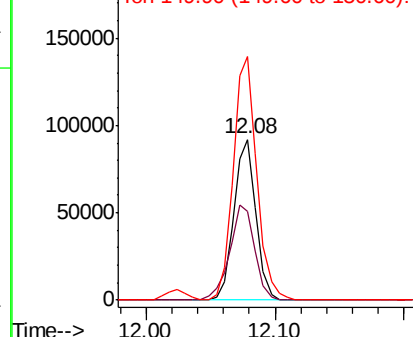
152 100

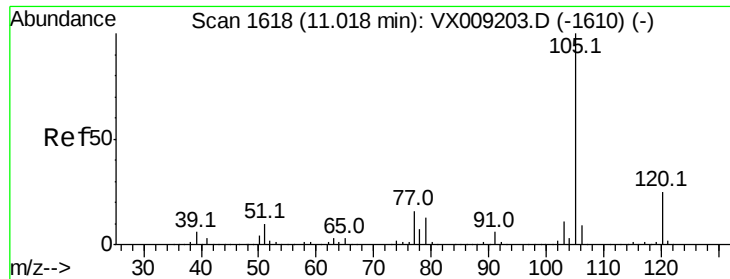
115 67.3 41.2 123.6

150 162.5 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





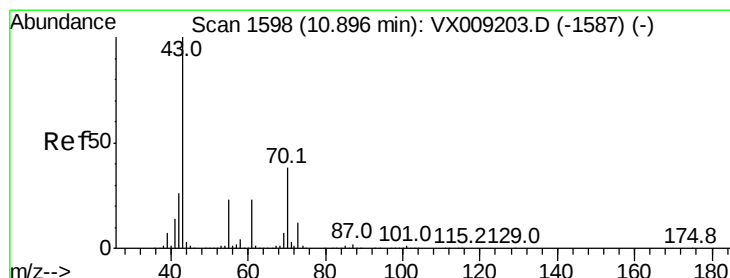
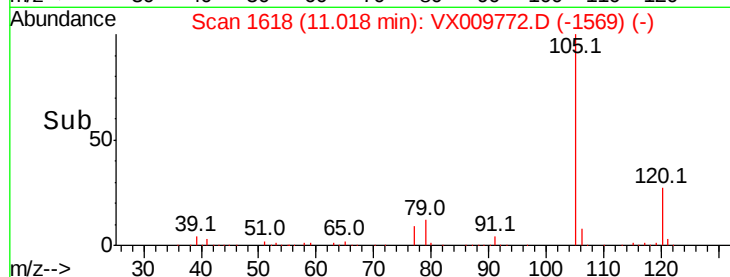
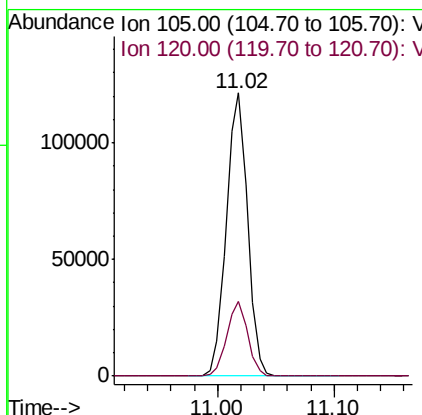
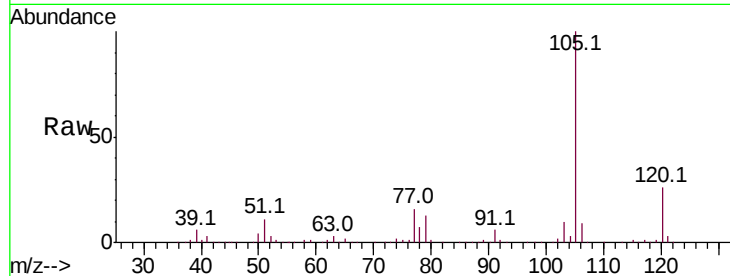
#73
Isopropylbenzene
Concen: 19.157 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX009772.D
Acq: 22 May 2019 01:54

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS04

Tot Ion: 105 Resp: 152920
Ion Ratio Lower Upper
105 100
120 25.8 12.8 38.3

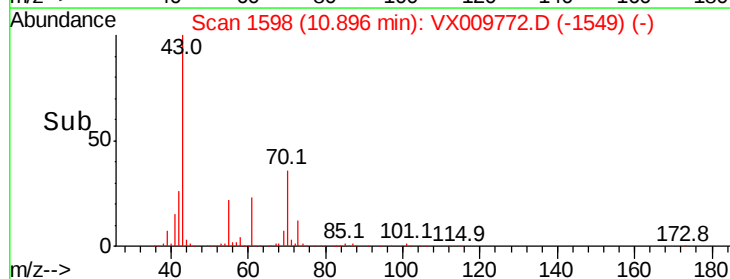
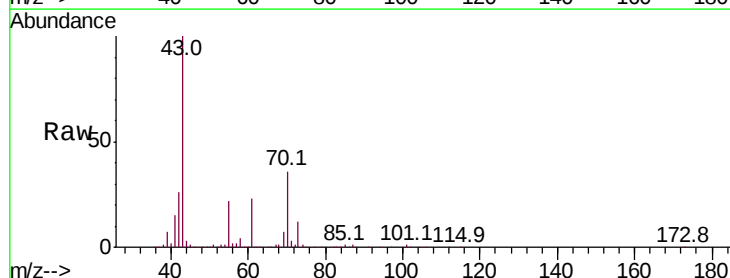
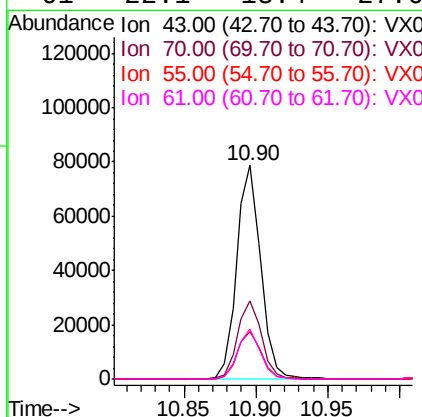
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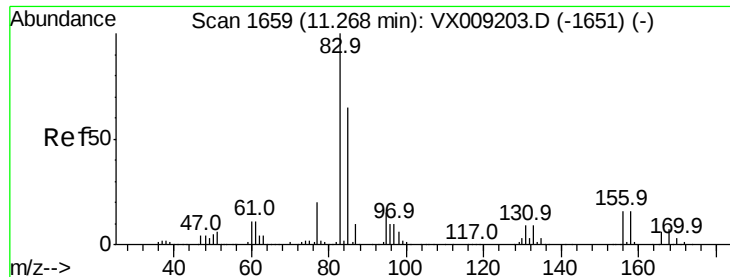
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#74
N-ethyl acetate
Concen: 19.719 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX009772.D
Acq: 22 May 2019 01:54

Tgt Ion: 43 Resp: 91766
Ion Ratio Lower Upper
43 100
70 36.9 30.0 45.0
55 22.8 17.9 26.9
61 22.1 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.402 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009772.D

Acq: 22 May 2019 01:54

Instrument :

MSVOA_X

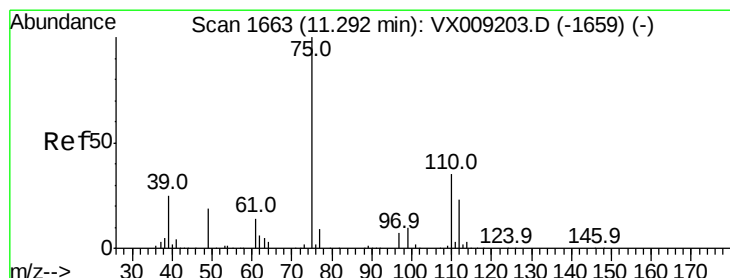
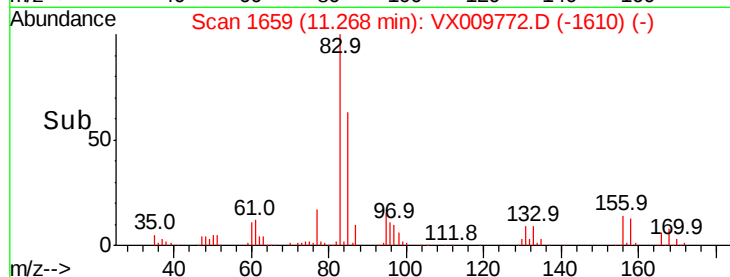
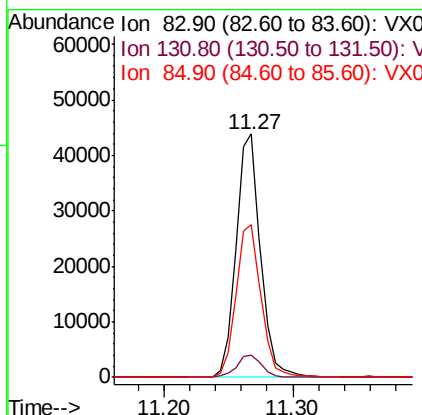
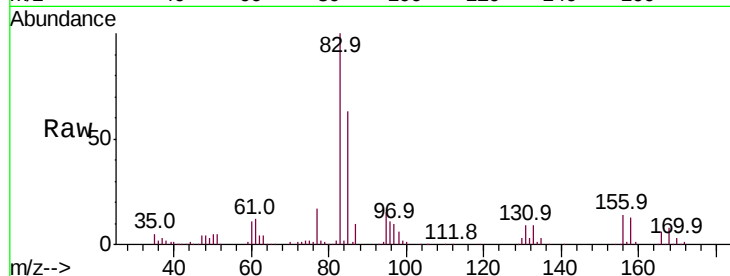
ClientSampleId :

VX0521WBS04

Tot Ion:	83	Resp:	57734
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.6	13.8
85	64.4	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.867 ug/l m

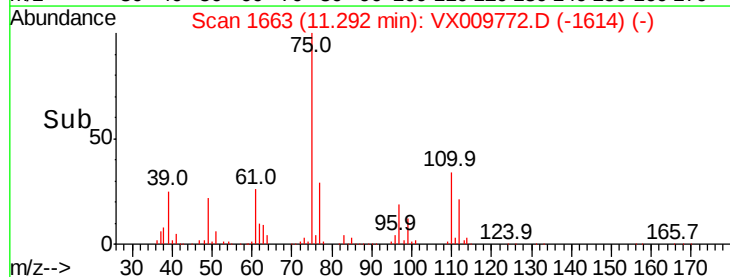
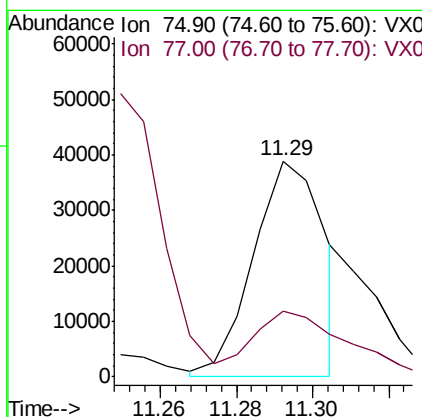
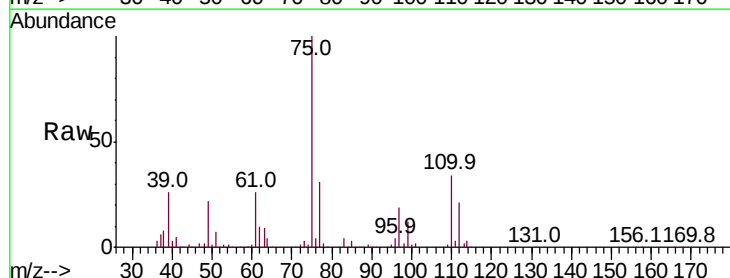
RT: 11.29 min Scan# 1663

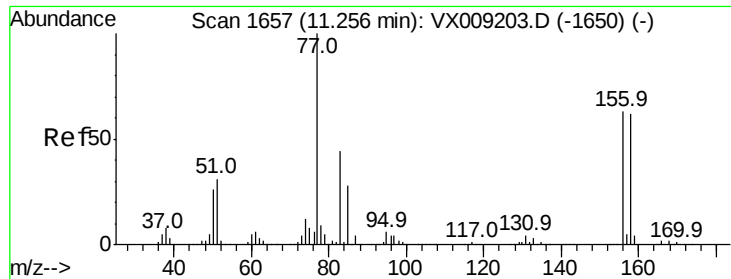
Delta R.T. 0.00 min

Lab File: VX009772.D

Acq: 22 May 2019 01:54

Tgt Ion:	75	Resp:	50586
Ion Ratio	Lower	Upper	
75	100		
77	40.3	22.1	66.1





#77

Bromobenzene

Concen: 19.120 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009772.D

Acq: 22 May 2019 01:54

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS04

Tot Ion:156 Resp: 37881

Ion Ratio Lower Upper

156 100

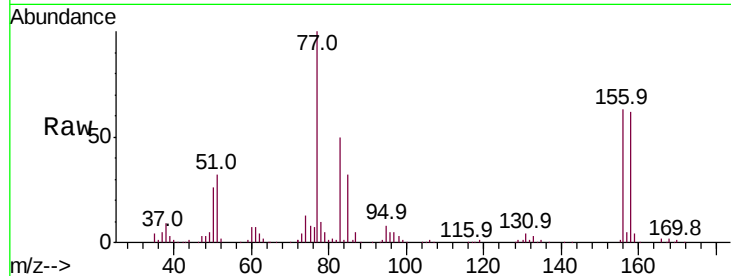
77 172.8 84.8 254.3

158 98.2 49.1 147.3

Manual Integrations
APPROVED

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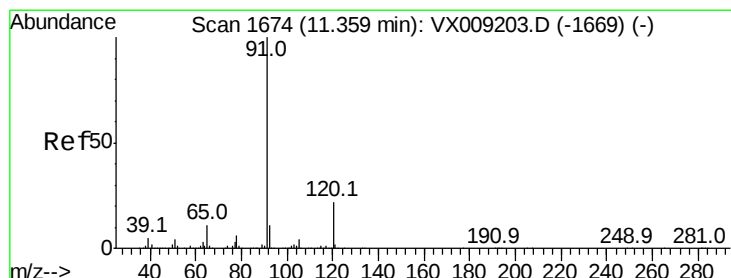
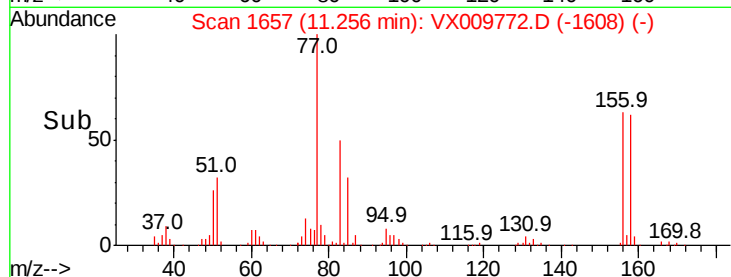
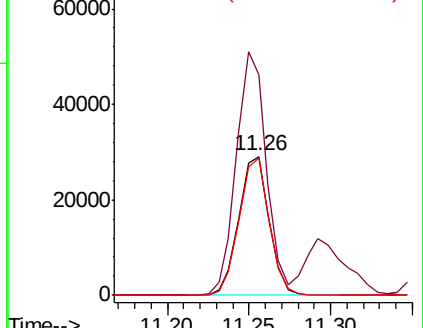
5/22/2019 9:37:31 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.098 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009772.D

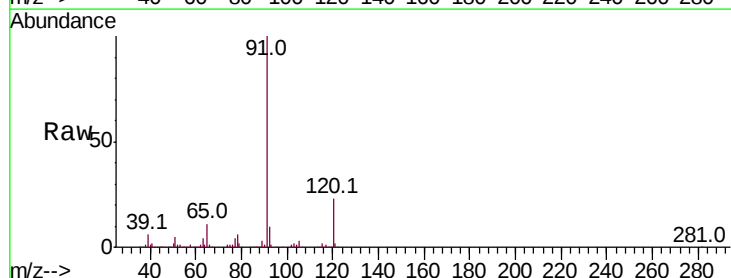
Acq: 22 May 2019 01:54

Tgt Ion: 91 Resp: 174098

Ion Ratio Lower Upper

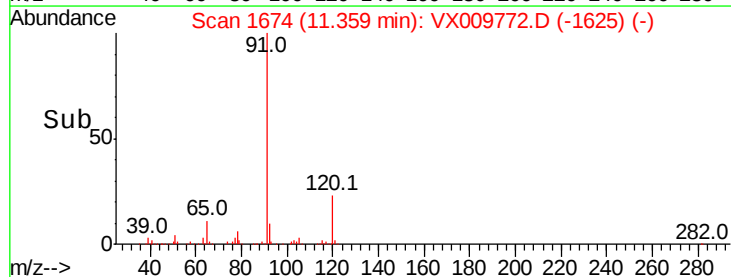
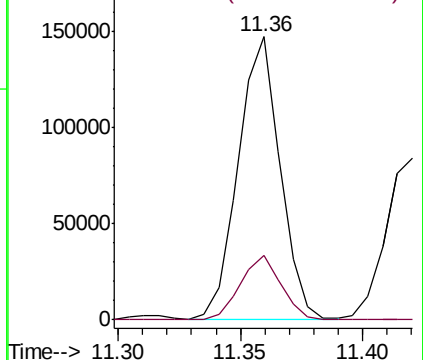
91 100

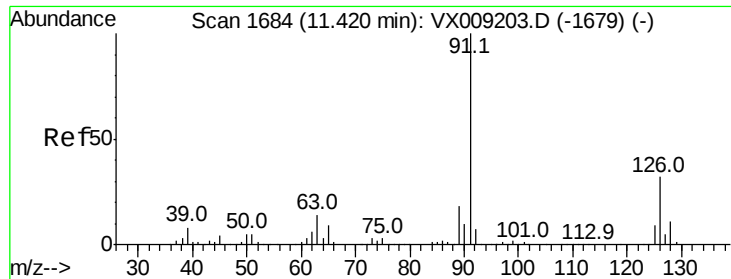
120 22.3 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.877 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009772.D

Acq: 22 May 2019 01:54

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS04

Tot Ion: 91 Resp: 106168

Ion Ratio Lower Upper

91 100

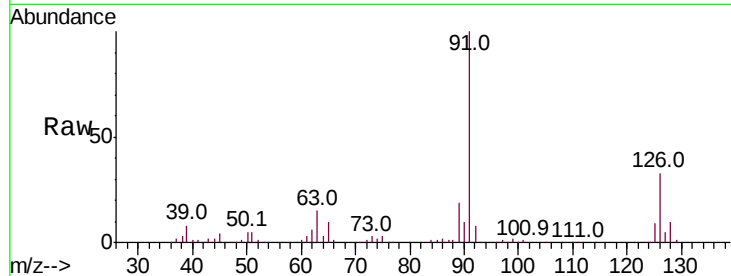
126 32.9 16.3 48.9

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

150000

100000

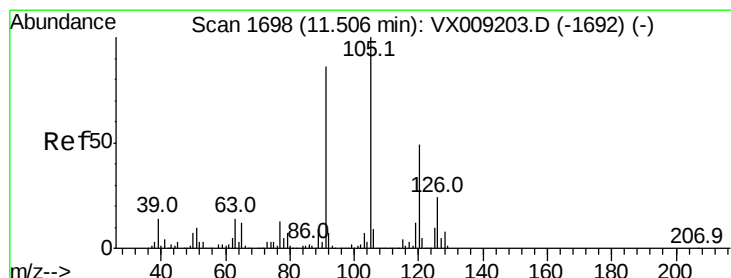
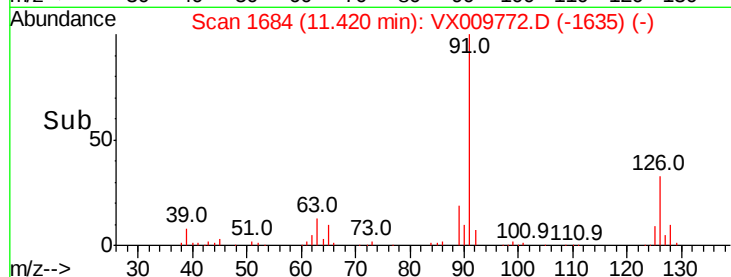
50000

0

11.42

11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.096 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009772.D

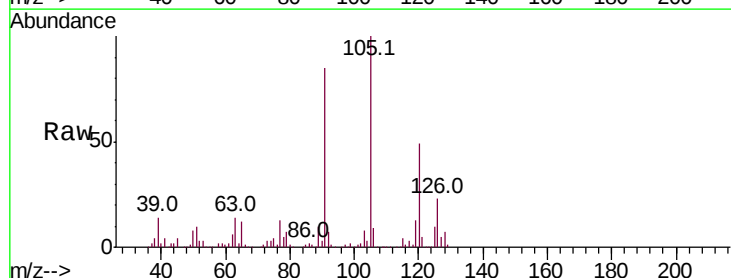
Acq: 22 May 2019 01:54

Tgt Ion:105 Resp: 128349

Ion Ratio Lower Upper

105 100

120 49.0 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

120000

100000

80000

60000

40000

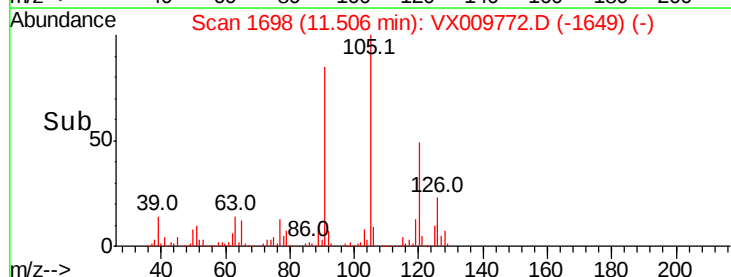
20000

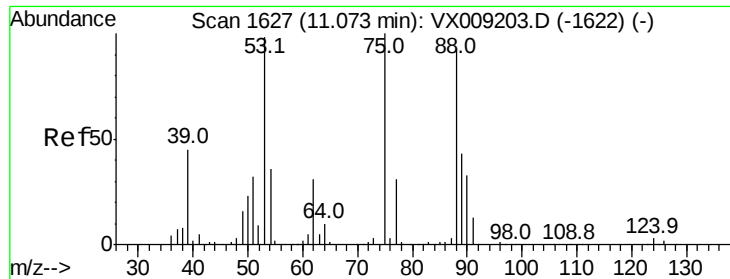
0

11.51

11.60

Time-->





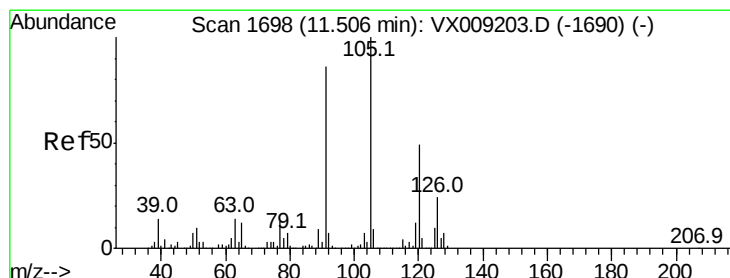
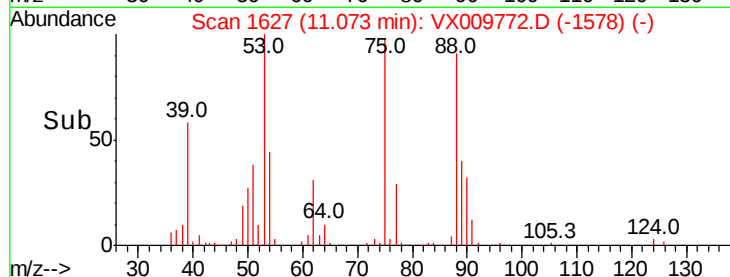
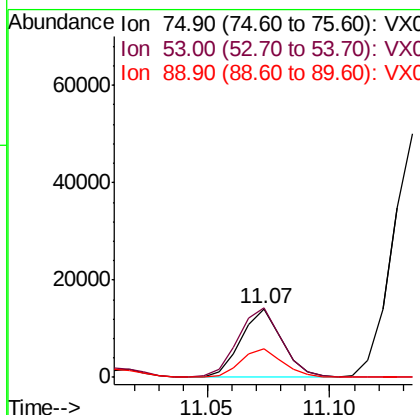
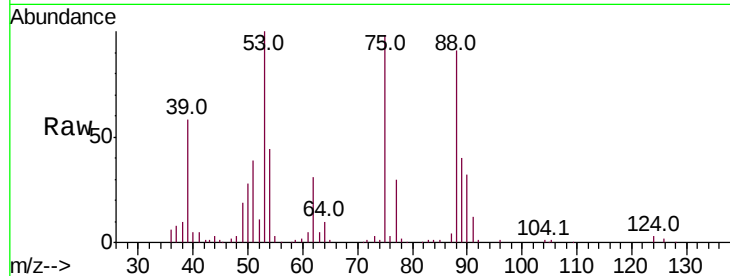
#81
trans-1,4-Dichloro-2-butene
Concen: 16.510 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX009772.D
Acq: 22 May 2019 01:54

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS04

Tot Ion: 75 Resp: 16430
Ion Ratio Lower Upper
75 100
53 109.6 79.0 118.6
89 42.4 34.7 52.1

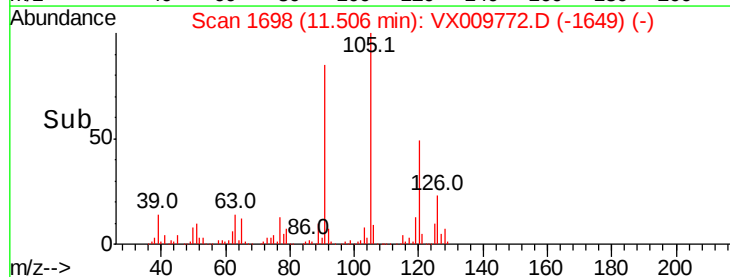
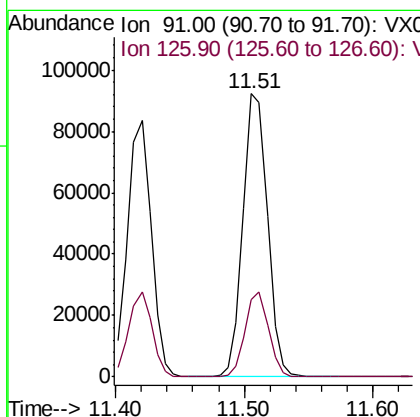
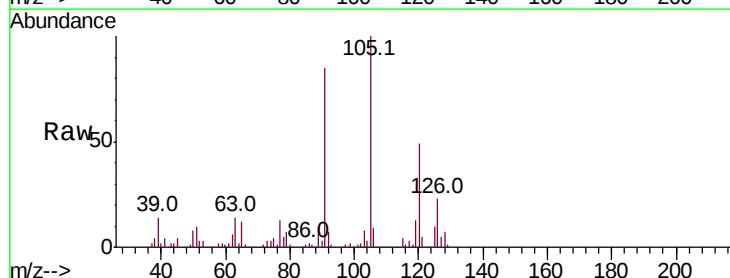
Manual Integrations
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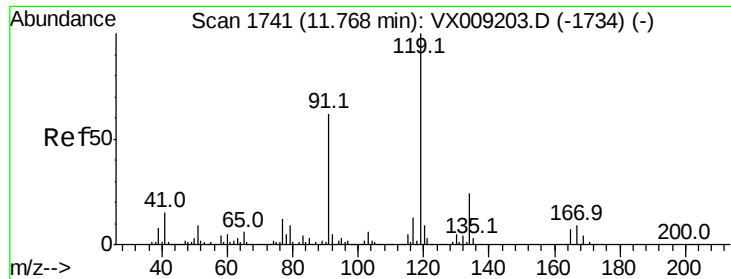
MMDadoda
5/22/2019 9:37:31 AM



#82
4-Chlorotoluene
Concen: 19.076 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX009772.D
Acq: 22 May 2019 01:54

Tgt Ion: 91 Resp: 121205
Ion Ratio Lower Upper
91 100
126 28.7 14.5 43.6





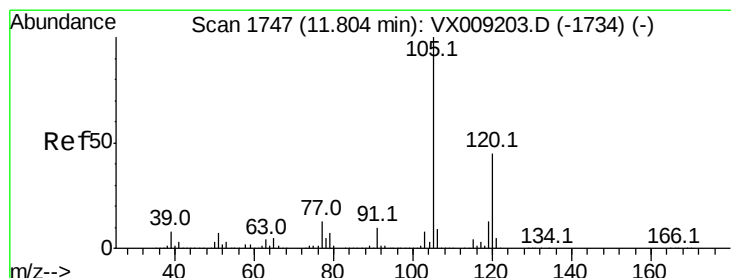
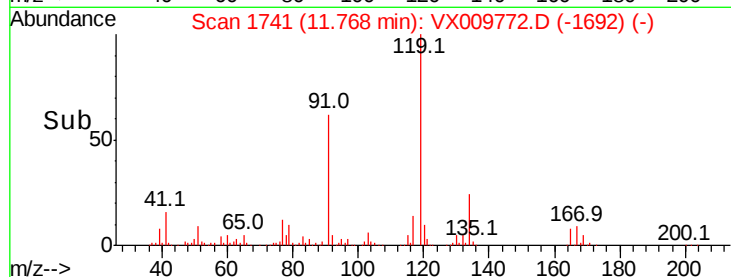
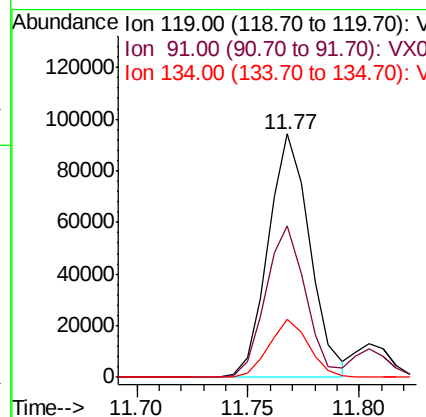
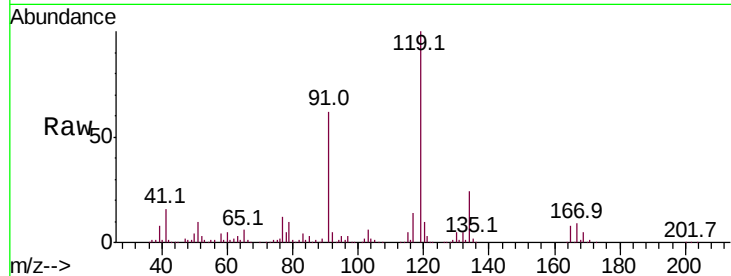
#83
tert-Butylbenzene
Concen: 18.710 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX009772.D
Acq: 22 May 2019 01:54

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS04

Tot Ion	Ratio	Resp	Lower	Upper
119	100	122330		
91	60.4	29.5	88.5	
134	22.7	11.4	34.1	

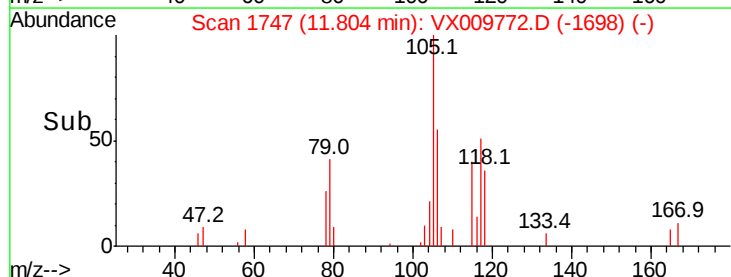
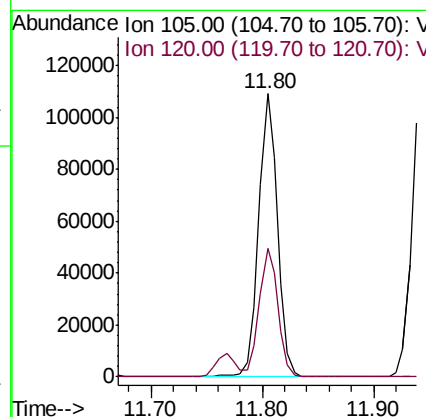
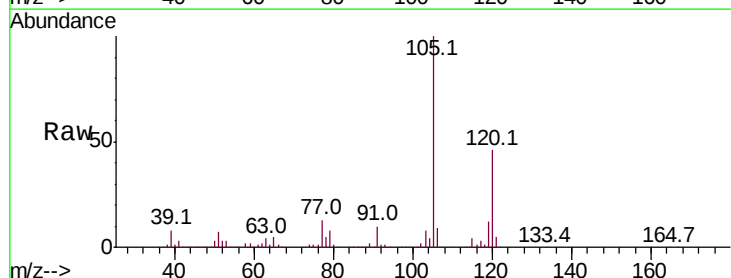
Manual Integrations
APPROVED

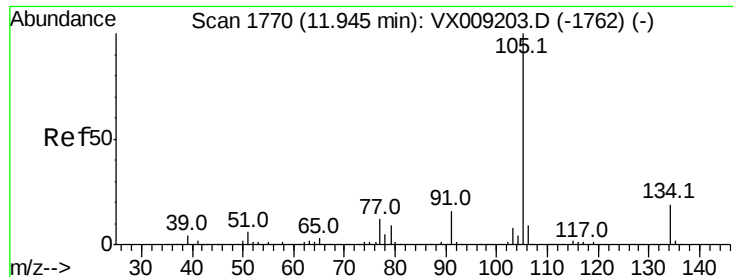
MMDadoda
5/22/2019 9:37:31 AM



#84
1,2,4-Trimethylbenzene
Concen: 19.052 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX009772.D
Acq: 22 May 2019 01:54

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	128533		
120	44.7	22.0	66.0	





#85

sec-Butylbenzene

Concen: 18.959 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009772.D

Acq: 22 May 2019 01:54

Instrument :

MSVOA_X

ClientSampled :

VX0521WBS04

Tot Ion:105 Resp: 146965

Ion Ratio Lower Upper

105 100

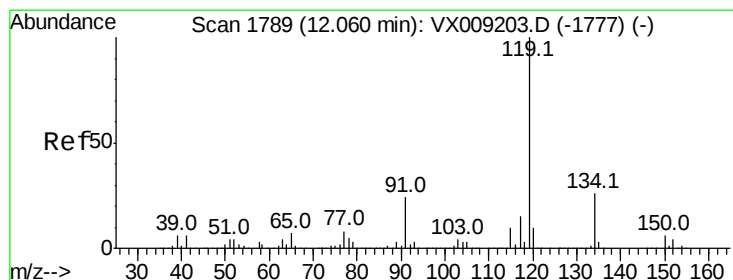
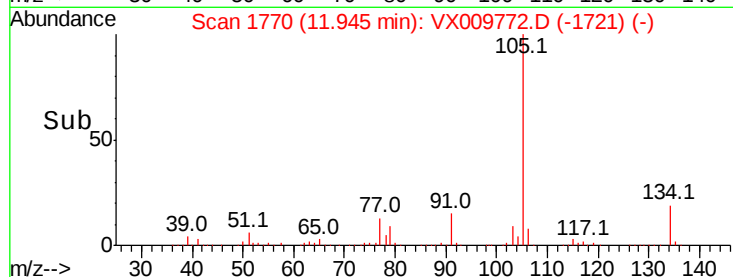
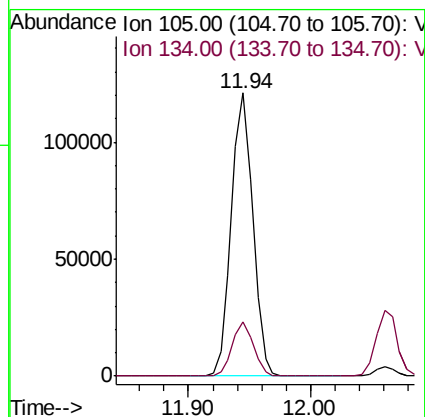
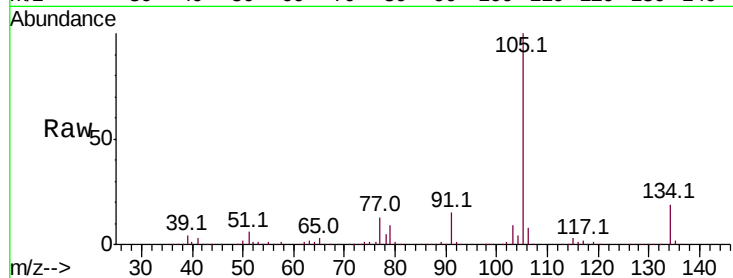
134 19.0 9.7 28.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 18.786 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009772.D

Acq: 22 May 2019 01:54

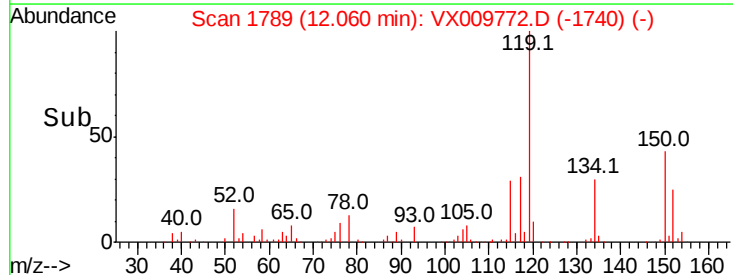
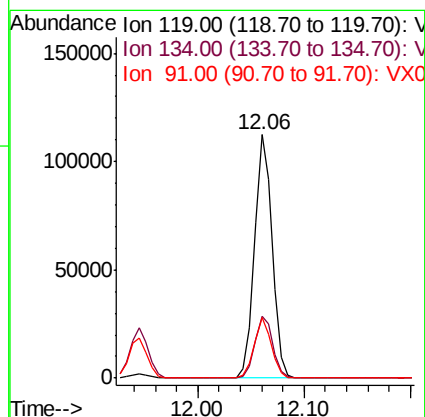
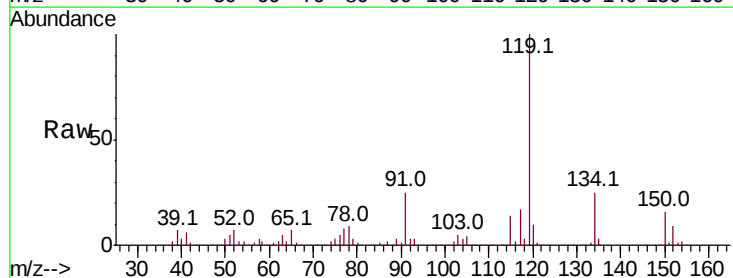
Tgt Ion:119 Resp: 130917

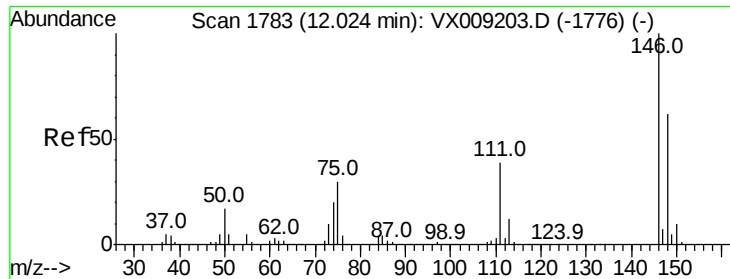
Ion Ratio Lower Upper

119 100

134 26.0 12.9 38.7

91 24.3 11.8 35.4





#87

1,3-Dichlorobenzene

Concen: 18.559 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX009772.D

Acq: 22 May 2019 01:54

Instrument :

MSVOA_X

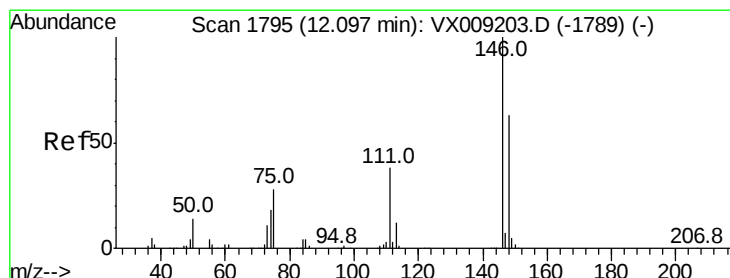
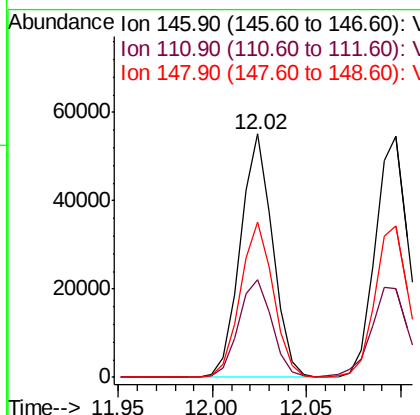
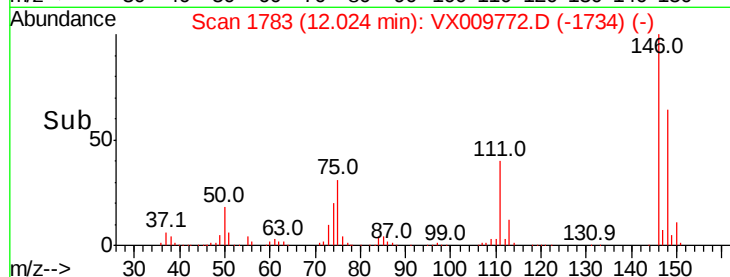
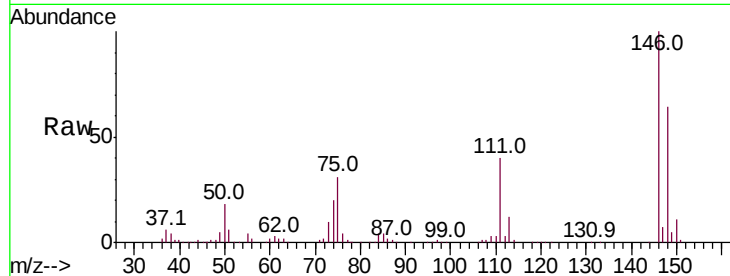
ClientSampleId :

VX0521WBS04

Tot Ion:	146	Resp:	65551
Ion Ratio	Lower	Upper	
146	100		
111	41.5	20.0	59.9
148	64.6	31.8	95.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 18.702 ug/l

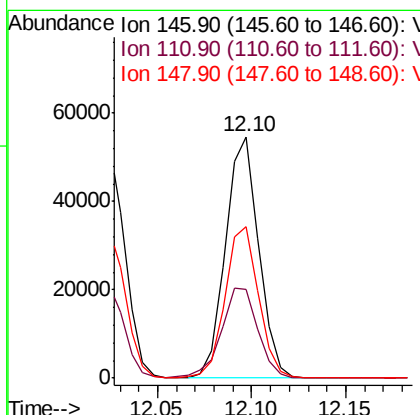
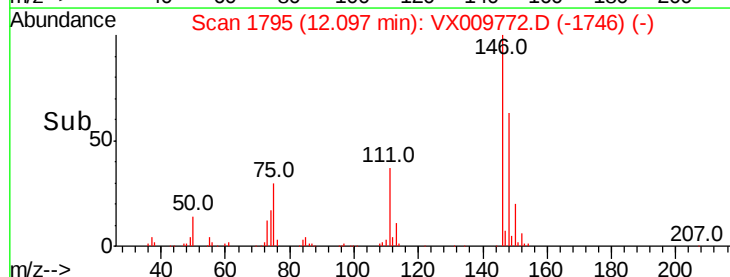
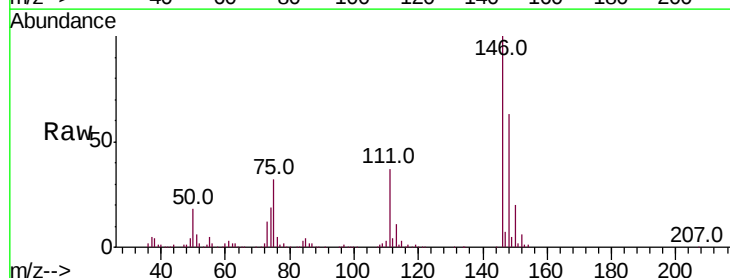
RT: 12.10 min Scan# 1795

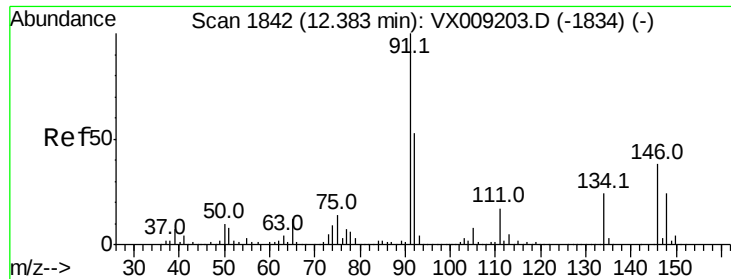
Delta R.T. 0.00 min

Lab File: VX009772.D

Acq: 22 May 2019 01:54

Tgt Ion:	146	Resp:	66596
Ion Ratio	Lower	Upper	
146	100		
111	41.3	19.6	58.8
148	63.6	31.8	95.3





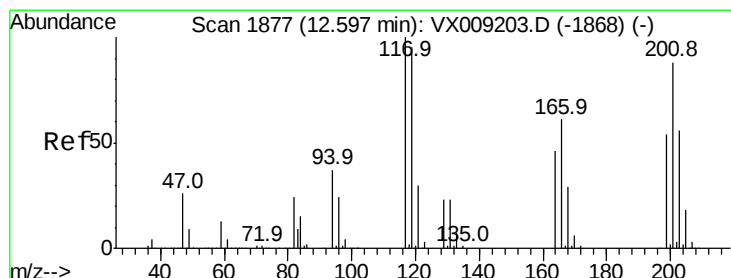
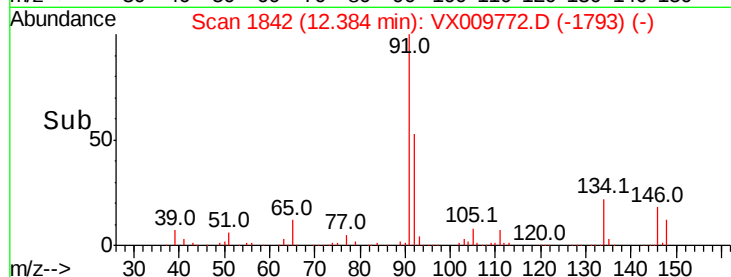
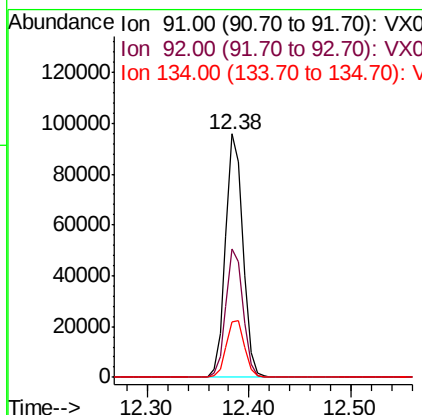
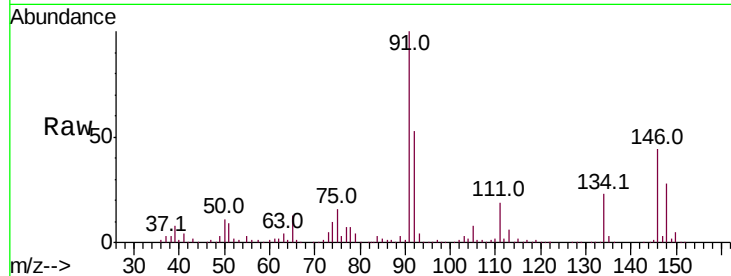
#89
n-Butylbenzene
Concen: 18.044 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009772.D
Acq: 22 May 2019 01:54

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS04

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.5	79.5
134	24.4	12.4	37.2

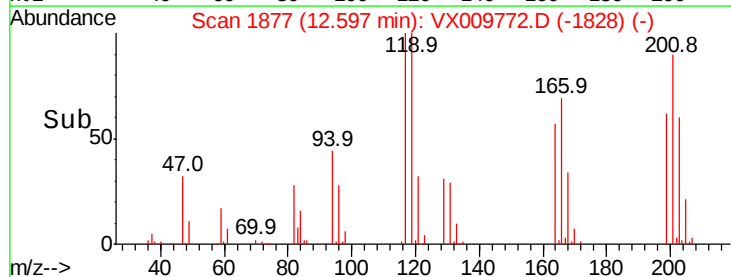
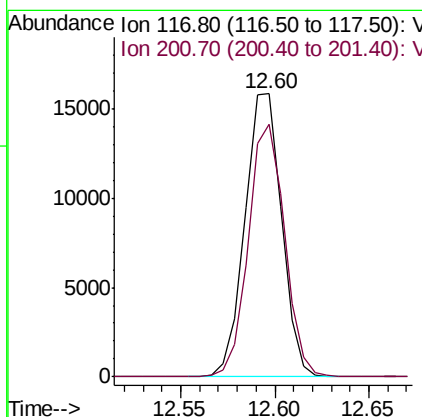
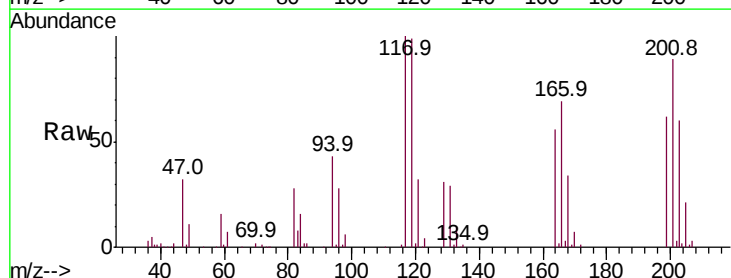
Manual Integrations
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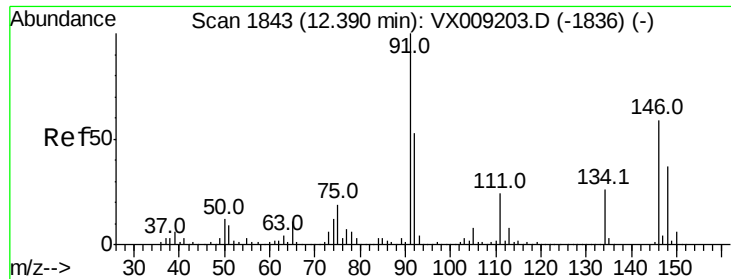
MMDadoda
5/22/2019 9:37:31 AM



#90
Hexachloroethane
Concen: 18.057 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX009772.D
Acq: 22 May 2019 01:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.9	42.3	126.9





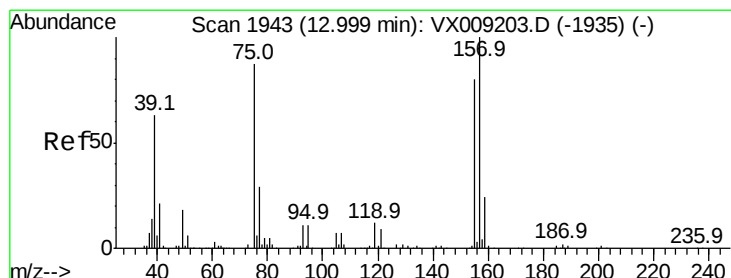
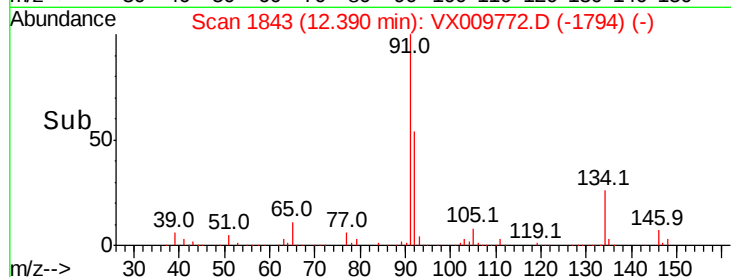
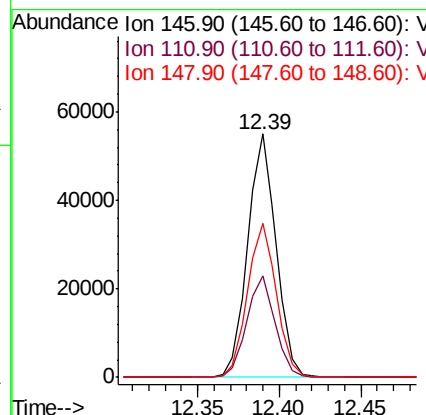
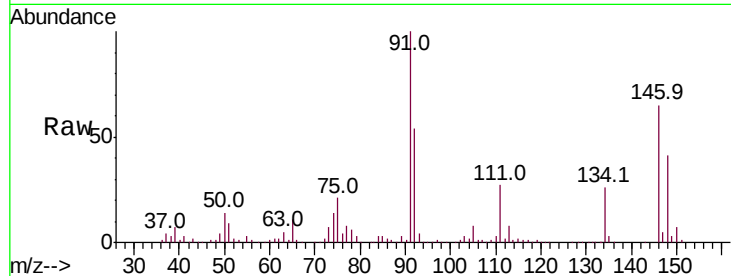
#91
 1,2-Dichlorobenzene
 Concen: 18.564 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX009772.D
 Acq: 22 May 2019 01:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0521WBS04

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.8	62.4
148	64.3	31.9	95.9

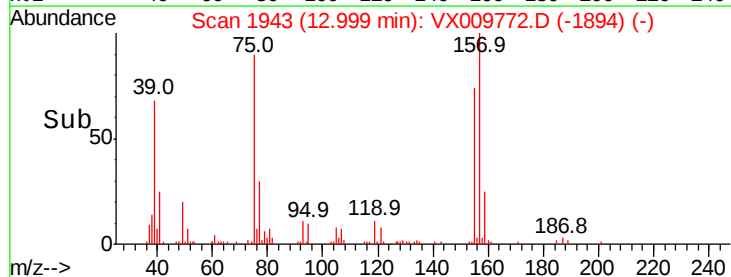
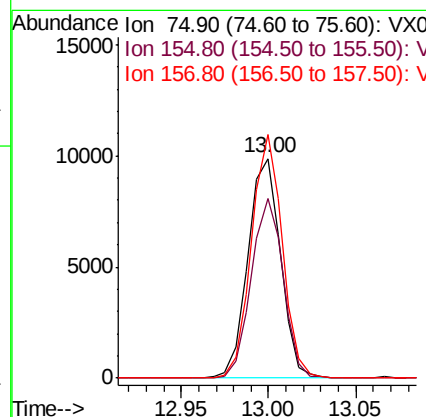
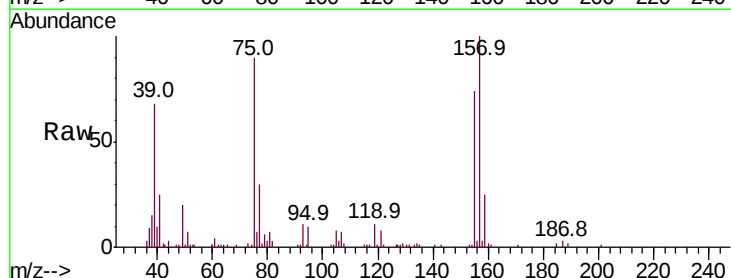
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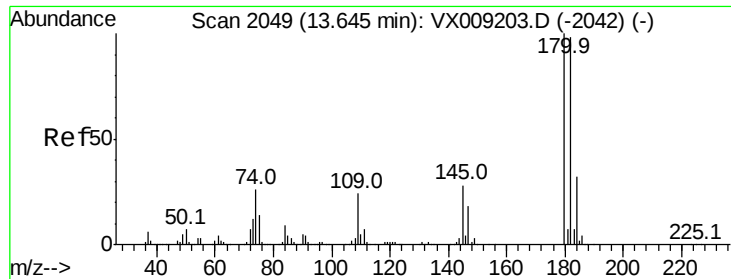
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.289 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX009772.D
 Acq: 22 May 2019 01:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.0	42.0	126.0
157	104.5	53.2	159.6





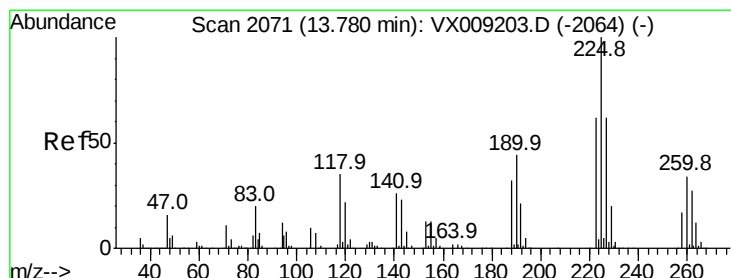
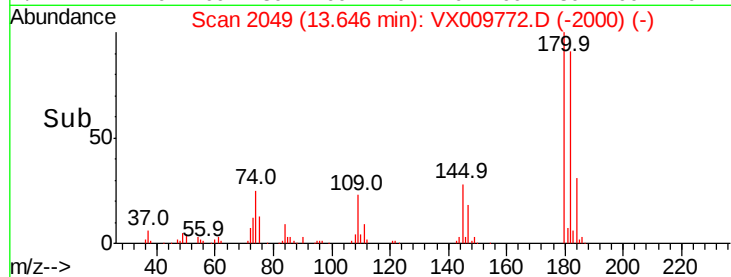
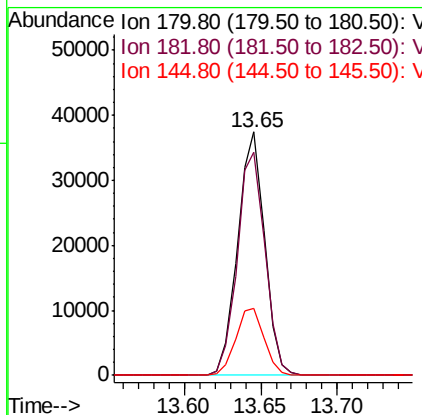
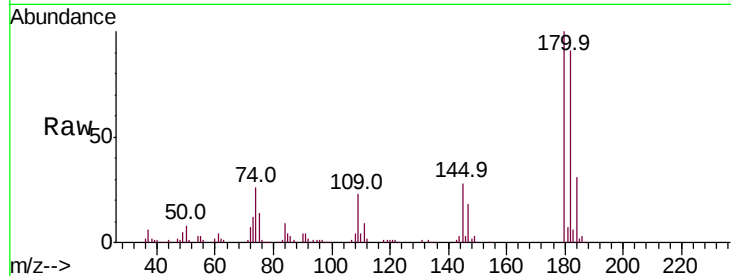
#93
 1,2,4-Trichlorobenzene
 Concen: 18.519 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009772.D
 Acq: 22 May 2019 01:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0521WBS04

Tot Ion	Ratio	Resp	Lower	Upper
180	100	45557		
182	94.5	48.4	145.2	
145	29.0	14.6	43.8	

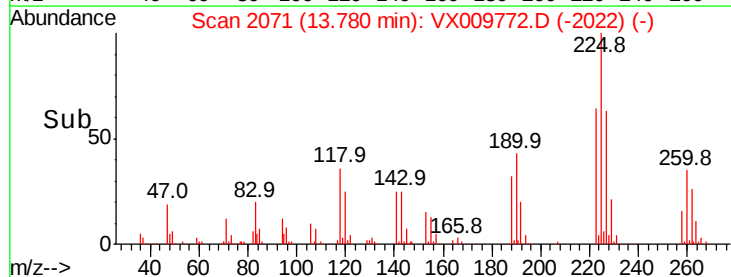
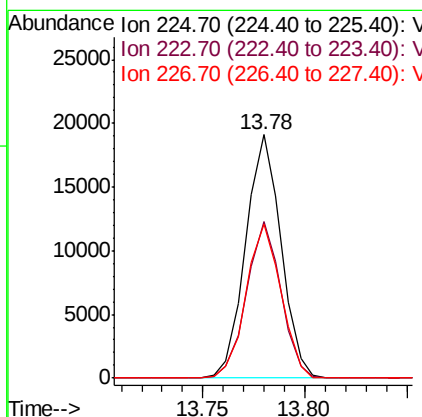
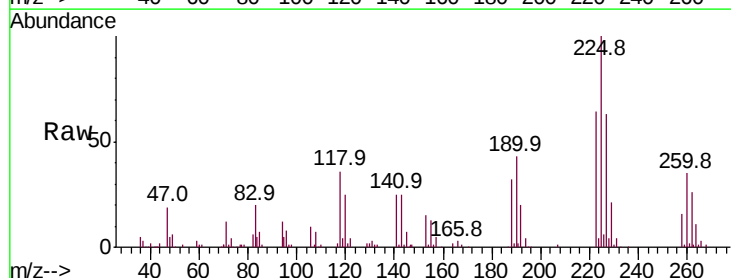
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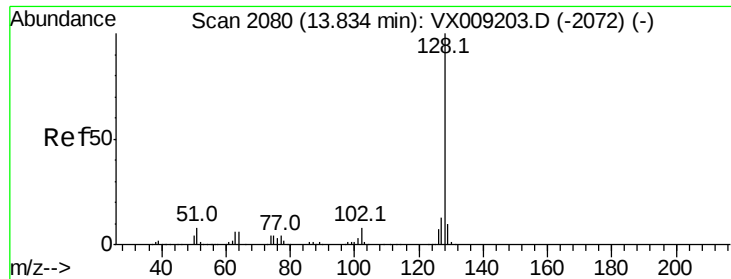
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 5/22/2019 9:37:31 AM



#94
 Hexachlorobutadiene
 Concen: 18.318 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009772.D
 Acq: 22 May 2019 01:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	23012		
223	63.0	31.3	93.8	
227	62.6	31.8	95.3	





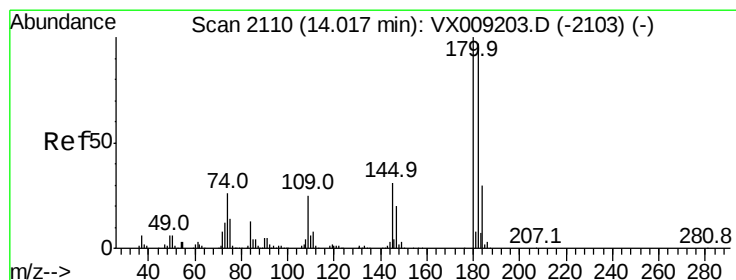
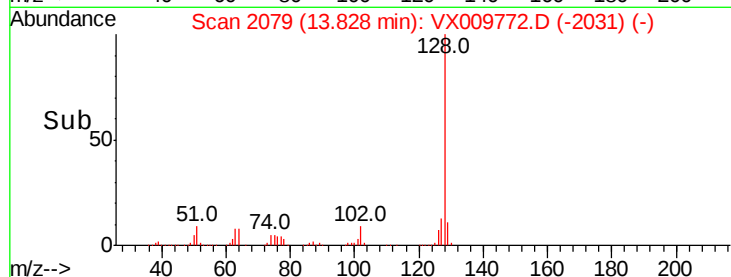
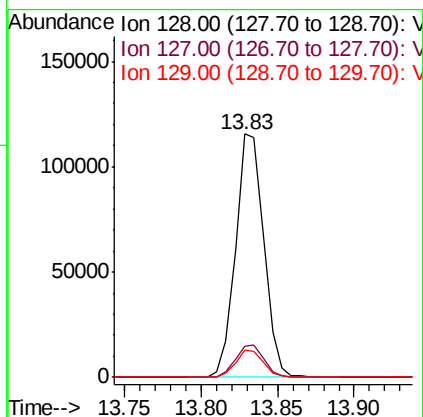
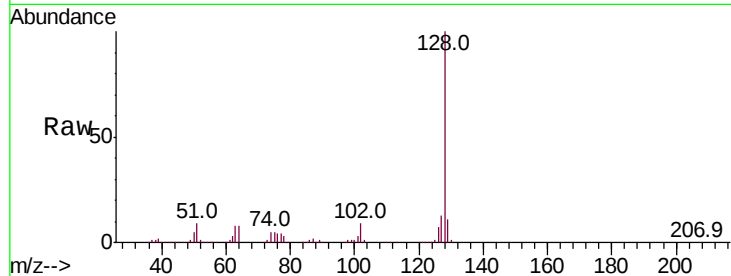
#95
Naphthalene
Concen: 18.473 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX009772.D
Acq: 22 May 2019 01:54

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS04

Tot Ion	Ratio	Resp	Lower	Upper
128	100	147854		
127	13.5	10.4	15.6	
129	11.0	8.6	13.0	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 18.713 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX009772.D
Acq: 22 May 2019 01:54

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	46663		
182	96.2	47.8	143.4	
145	30.8	15.4	46.4	

