

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051519\
 Data File : VX009574.D
 Acq On : 15 May 2019 12:54
 Operator : JC/SP
 Sample : VX0515WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0515WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/16/2019 12:32:39 PM

Quant Time: May 16 01:36:13 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	5.66	168	149763	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	239244	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	213991	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	104748	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	98227	48.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.10%	
35) Dibromofluoromethane	5.50	113	72372	48.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.24%	
50) Toluene-d8	8.71	98	286611	47.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.40%	
62) 4-Bromofluorobenzene	11.13	95	103976	47.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	24416	17.692	ug/l	95
3) Chloromethane	1.32	50	38506	20.436	ug/l	99
4) Vinyl Chloride	1.41	62	37383	20.347	ug/l	98
5) Bromomethane	1.64	94	24003	21.766	ug/l	98
6) Chloroethane	1.72	64	24310	20.608	ug/l	98
7) Trichlorofluoromethane	1.93	101	47355	21.204	ug/l	99
8) Diethyl Ether	2.18	74	22629	21.391	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	29541	21.064	ug/l	99
10) Methyl Iodide	2.51	142	33004	22.987	ug/l	98
11) Tert butyl alcohol	3.04	59	48403	102.280	ug/l	98
12) 1,1-Dichloroethene	2.37	96	29871	21.257	ug/l	95
13) Acrolein	2.29	56	37589	87.706	ug/l	99
14) Allyl chloride	2.73	41	69441	20.278	ug/l	97
15) Acrylonitrile	3.14	53	121531	105.030	ug/l	100
16) Acetone	2.44	43	112576	102.548	ug/l	98
17) Carbon Disulfide	2.57	76	76884	19.488	ug/l	98
18) Methyl Acetate	2.77	43	53380	20.446	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	116272	21.308	ug/l	100
20) Methylene Chloride	2.85	84	36802	20.705	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	32327	21.213	ug/l	98
22) Diisopropyl ether	3.85	45	143434	21.780	ug/l	99
23) Vinyl Acetate	3.81	43	619815	109.907	ug/l	99
24) 1,1-Dichloroethane	3.70	63	67921	20.906	ug/l	100
25) 2-Butanone	4.67	43	181171	106.201	ug/l	99
26) 2,2-Dichloropropane	4.58	77	50737	20.981	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	38055	20.921	ug/l	98
28) Bromochloromethane	5.02	49	24339	16.790	ug/l	98
29) Tetrahydrofuran	5.13	42	118716	108.144	ug/l	99
30) Chloroform	5.21	83	62638	21.317	ug/l	100
31) Cyclohexane	5.58	56	64773	21.430	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	51626	21.106	ug/l	99
36) 1,1-Dichloropropene	5.80	75	46157	20.760	ug/l	98
37) Ethyl Acetate	4.83	43	67508	21.793	ug/l	99
38) Carbon Tetrachloride	5.79	117	41893	20.739	ug/l	99

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Manual Integrations
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Quant Time: May 16 01:36:13 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)
39) Methylcyclohexane	7.46	83	57817	21.175	ug/l	99
40) Benzene	6.14	78	148019	21.512	ug/l	99
41) Methacrylonitrile	5.04	41	38391	20.819	ug/l	99
42) 1,2-Dichloroethane	6.19	62	54939	22.258	ug/l	99
43) Isopropyl Acetate	6.45	43	106384	21.470	ug/l	100
44) Trichloroethene	7.21	130	34668	20.841	ug/l	97
45) 1,2-Dichloropropane	7.51	63	42821	21.978	ug/l	98
46) Dibromomethane	7.66	93	24216	21.403	ug/l	99
47) Bromodichloromethane	7.90	83	46244	20.490	ug/l	98
48) Methyl methacrylate	7.77	41	53381	21.715	ug/l	99
49) 1,4-Dioxane	7.74	88	20363	408.452	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	349280	107.846	ug/l	99
52) Toluene	8.78	92	90638	21.670	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	52914	20.766	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	59381	21.055	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	36867	21.605	ug/l	98
56) Ethyl methacrylate	9.18	69	64854	21.291	ug/l	99
57) 1,3-Dichloropropane	9.37	76	64061	21.333	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	151611	93.824	ug/l	99
59) 2-Hexanone	9.49	43	269444	105.929	ug/l	99
60) Dibromochloromethane	9.58	129	34437	20.663	ug/l	98
61) 1,2-Dibromoethane	9.67	107	36913	21.430	ug/l	100
64) Tetrachloroethene	9.34	164	32676	22.261	ug/l	97
65) Chlorobenzene	10.13	112	93521	21.847	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	33588	21.642	ug/l	99
67) Ethyl Benzene	10.25	91	171586	21.780	ug/l	99
68) m/p-Xylenes	10.36	106	126282	43.864	ug/l	99
69) o-Xylene	10.69	106	61452	21.634	ug/l	99
70) Styrene	10.71	104	107866	21.848	ug/l	100
71) Bromoform	10.85	173	25457	20.185	ug/l #	98
73) Isopropylbenzene	11.02	105	163974	21.527	ug/l	99
74) N-amyl acetate	10.90	43	93296	21.008	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	59717	21.030	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	52346m	21.544	ug/l	
77) Bromobenzene	11.26	156	41202	21.793	ug/l	98
78) n-propylbenzene	11.36	91	188978	21.724	ug/l	99
79) 2-Chlorotoluene	11.42	91	113159	21.084	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	139187	21.702	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	18503	19.484	ug/l	92
82) 4-Chlorotoluene	11.51	91	130050	21.449	ug/l	99
83) tert-Butylbenzene	11.77	119	133303	21.366	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	141379	21.961	ug/l	100
85) sec-Butylbenzene	11.94	105	159228	21.526	ug/l	100
86) p-Isopropyltoluene	12.06	119	146239	21.991	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	71697	21.273	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	72331	21.287	ug/l	99
89) n-Butylbenzene	12.38	91	131455	21.871	ug/l	99
90) Hexachloroethane	12.60	117	22525	19.882	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	73193	21.321	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	13357	20.969	ug/l	98

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ClientSampleId :
VX0515WBS01

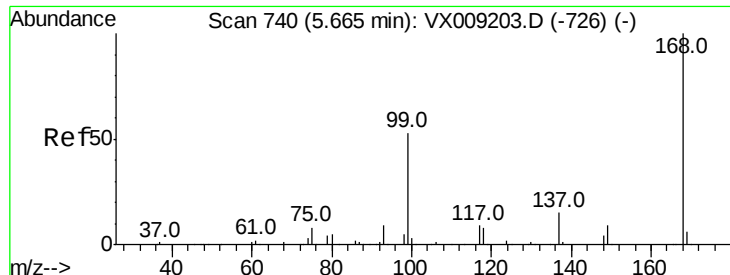
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	51720	22.032	ug/l	98
94) Hexachlorobutadiene	13.78	225	25945	21.643	ug/l	99
95) Naphthalene	13.83	128	172704	22.613	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	53948	22.671	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009574.D

Acq: 15 May 2019 12:54

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBS01

Tot Ion:168 Resp: 149763

Ion Ratio Lower Upper

168 100

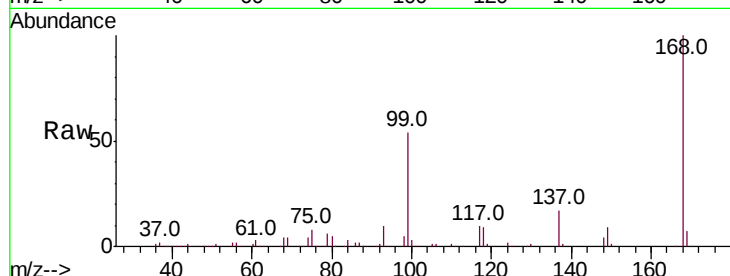
99 54.1 42.3 63.5

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

5.66

60000

50000

40000

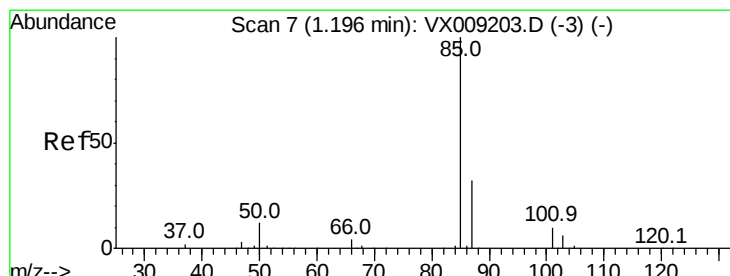
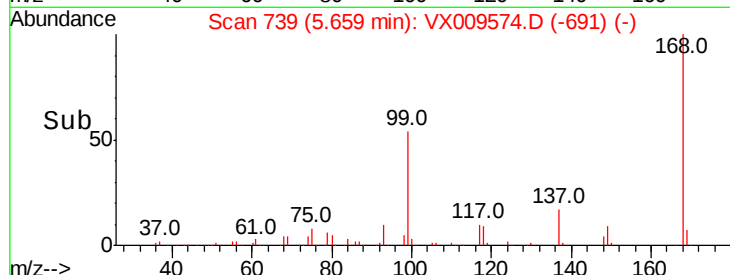
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 17.692 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009574.D

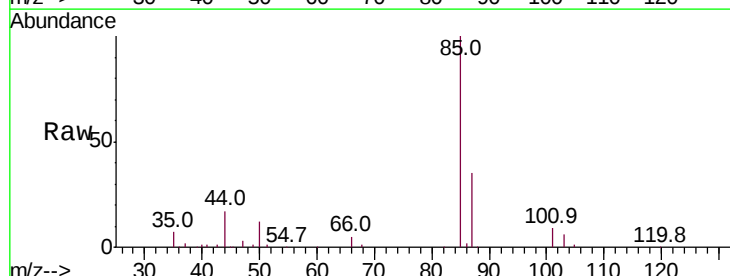
Acq: 15 May 2019 12:54

Tgt Ion: 85 Resp: 24416

Ion Ratio Lower Upper

85 100

87 34.9 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

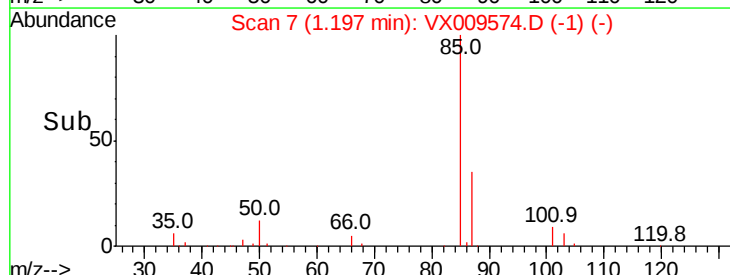
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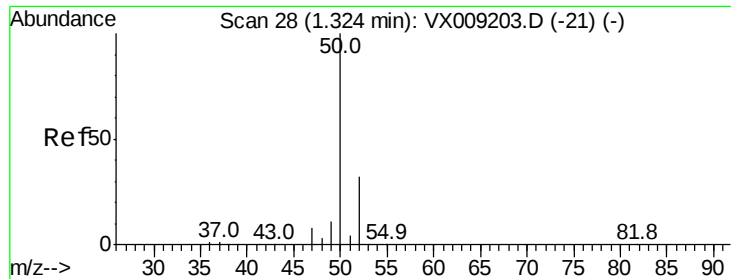
10000

5000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 20.436 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009574.D

Acq: 15 May 2019 12:54

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBS01

Tot Ion: 50 Resp: 38506

Ion Ratio Lower Upper

50 100

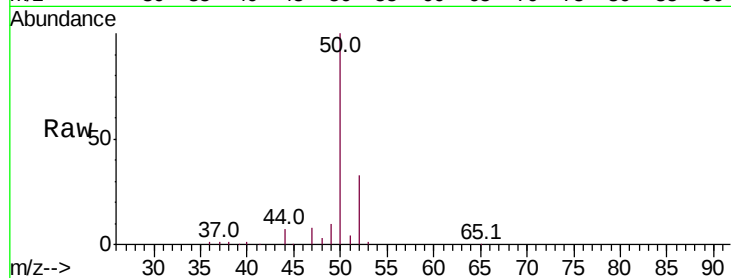
52 32.8 25.9 38.9

Manual Integrations

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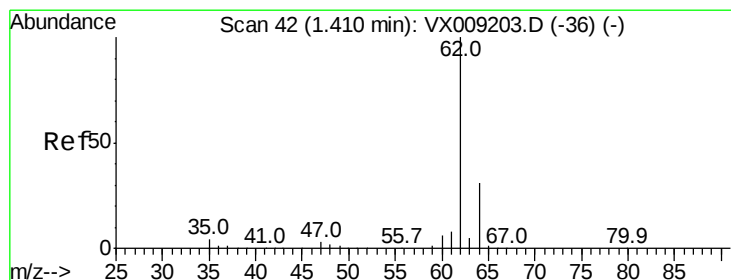
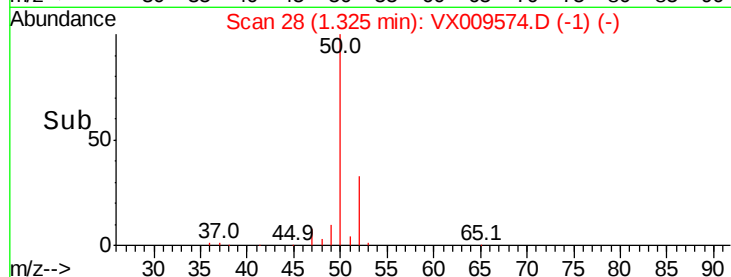
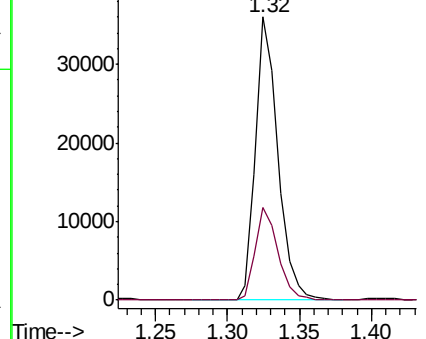
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 20.347 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009574.D

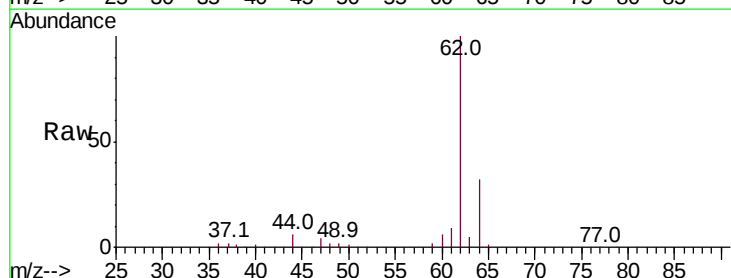
Acq: 15 May 2019 12:54

Tgt Ion: 62 Resp: 37383

Ion Ratio Lower Upper

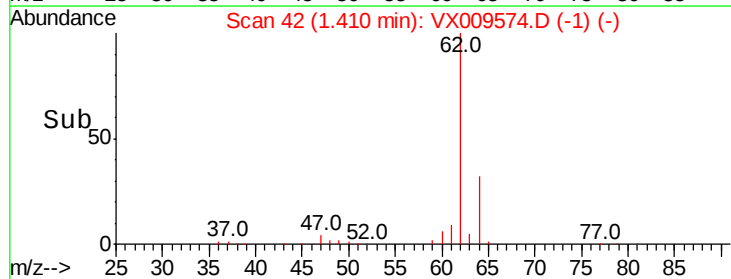
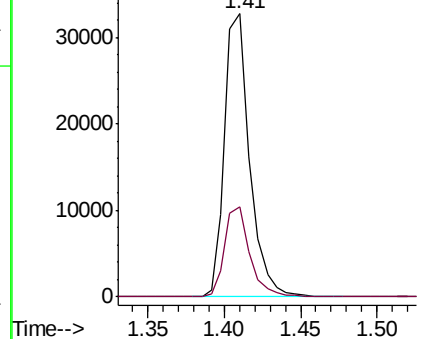
62 100

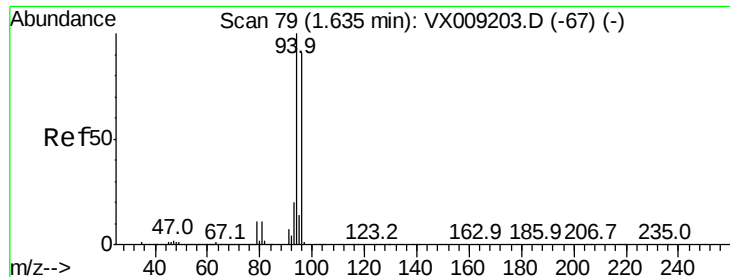
64 31.7 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





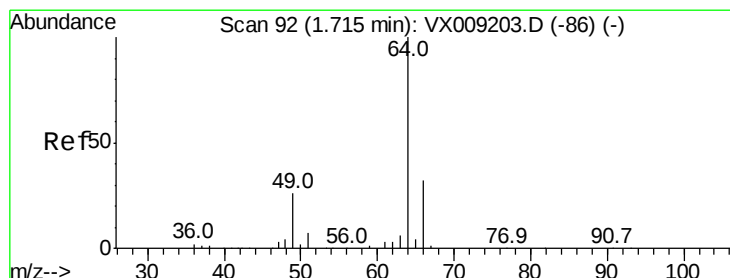
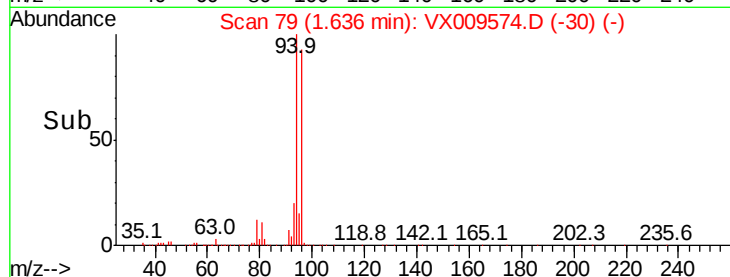
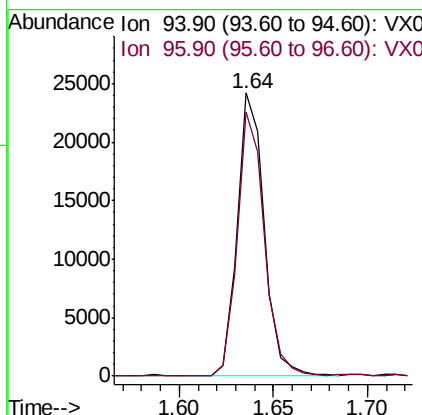
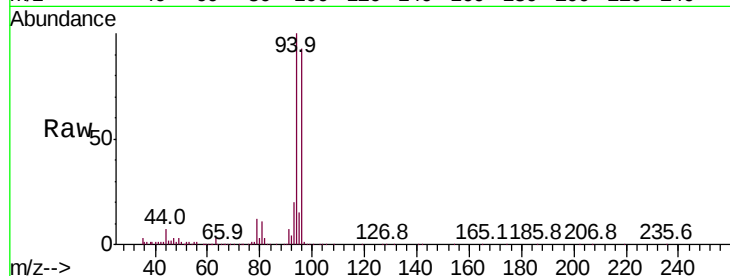
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Bromomethane
Concen: 21.766 ug/l
RT: 1.64 min Scan# 79
Delta R.T. 0.00 min
Lab File: VX009574.D
Acq: 15 May 2019 12:54

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tot Ion: 94 Resp: 24003
Ion Ratio Lower Upper
94 100
96 93.0 73.0 109.6

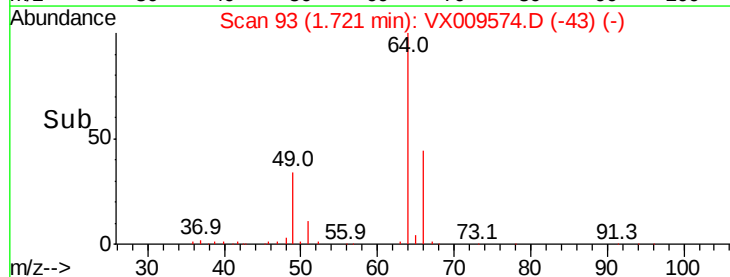
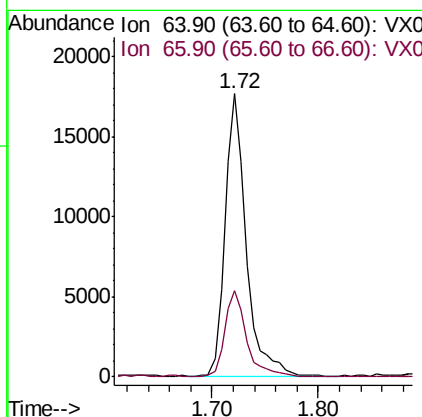
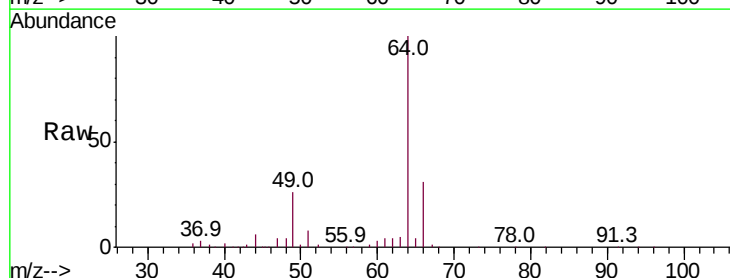
Manual Integrations
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#6
Chloroethane
Concen: 20.608 ug/l
RT: 1.72 min Scan# 93
Delta R.T. 0.01 min
Lab File: VX009574.D
Acq: 15 May 2019 12:54

Tgt Ion: 64 Resp: 24310
Ion Ratio Lower Upper
64 100
66 30.7 25.3 37.9





#7

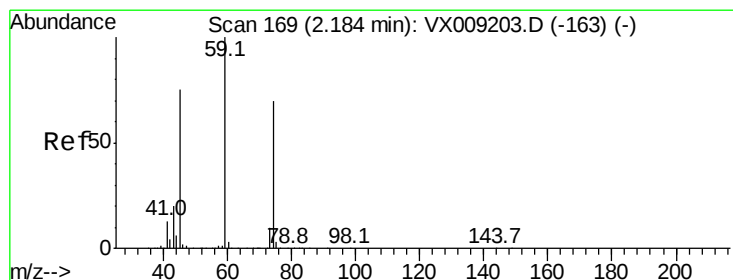
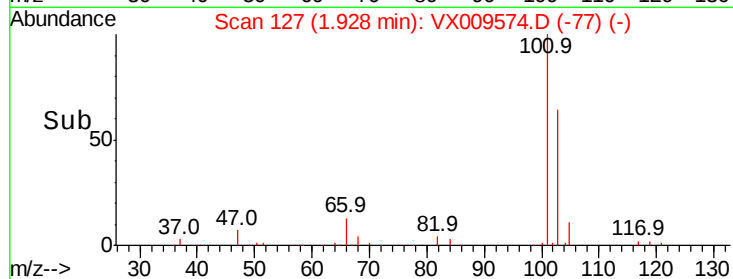
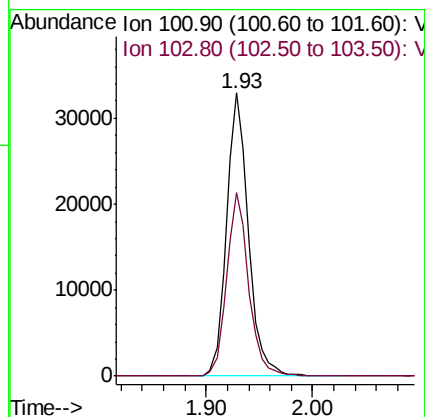
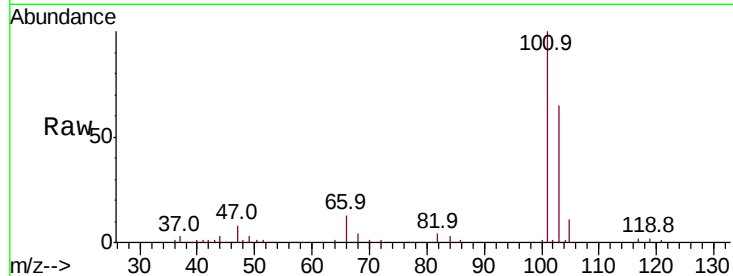
Trichlorofluoromethane
Concen: 21.204 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX009574.D
Acq: 15 May 2019 12:54

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tot Ion:101 Resp: 47355
Ion Ratio Lower Upper
101 100
103 64.7 52.4 78.6

Manual Integrations
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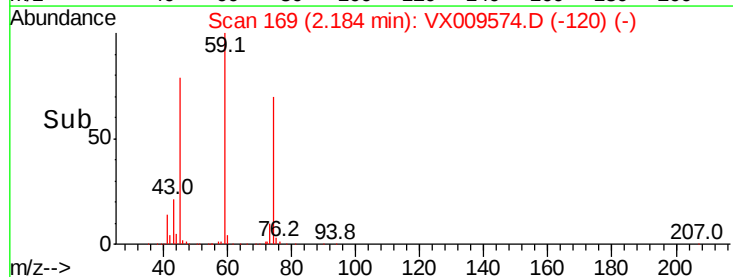
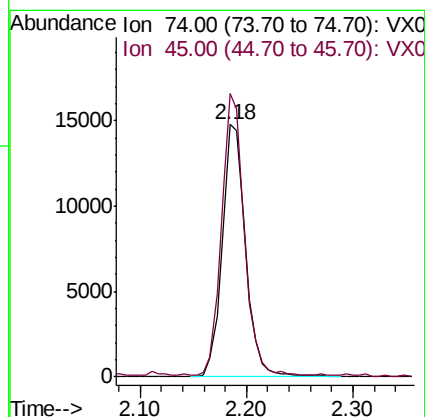
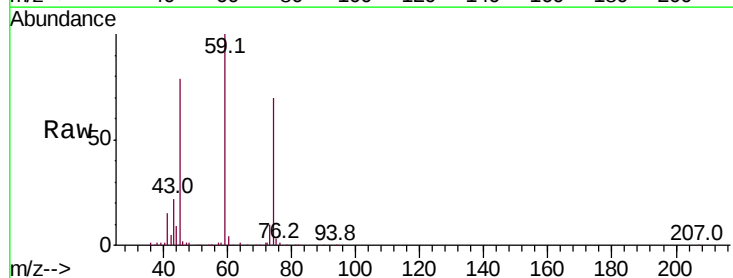
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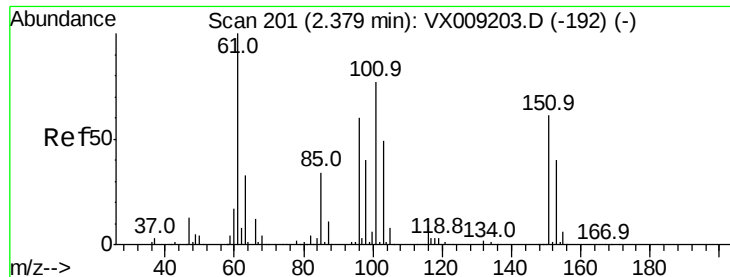


#8

Diethyl Ether
Concen: 21.391 ug/l
RT: 2.18 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX009574.D
Acq: 15 May 2019 12:54

Tgt Ion: 74 Resp: 22629
Ion Ratio Lower Upper
74 100
45 107.4 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.064 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX009574.D

Acq: 15 May 2019 12:54

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBS01

Tot Ion:101 Resp: 29541

Ion Ratio Lower Upper

101 100

85 43.7 35.7 53.5

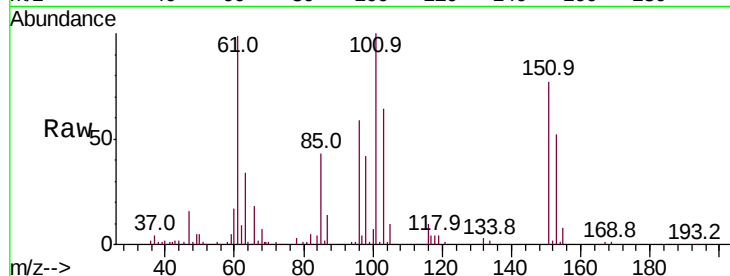
151 78.1 62.2 93.2

Manual Integrations

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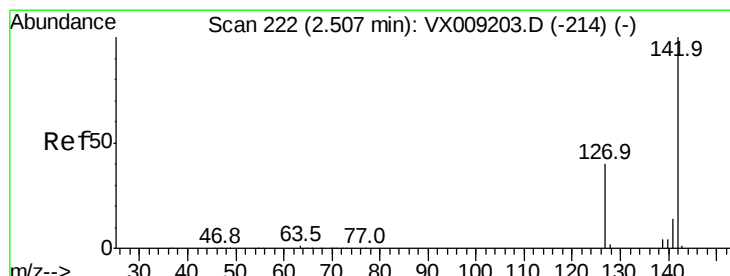
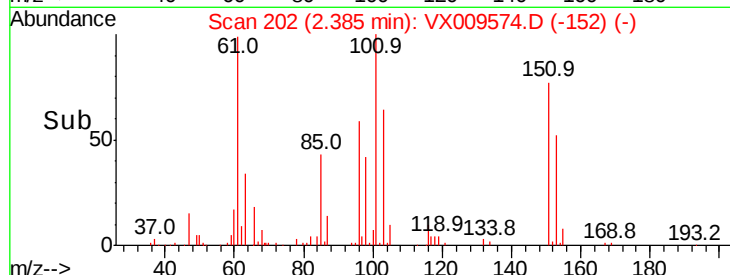
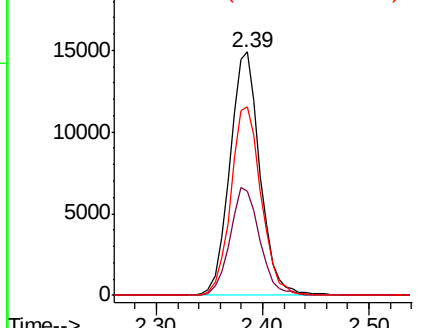
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Abundance Ion 100.90 (100.60 to 101.60): V

20000 Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 22.987 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009574.D

Acq: 15 May 2019 12:54

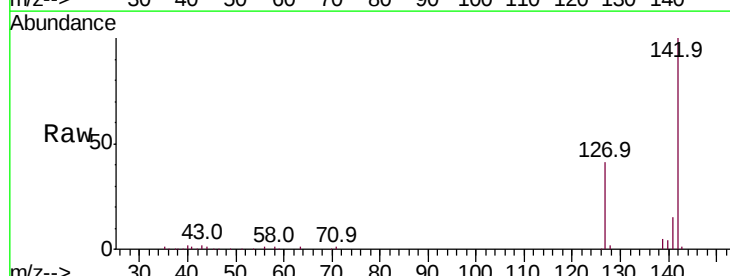
Tgt Ion:142 Resp: 33004

Ion Ratio Lower Upper

142 100

127 41.9 32.7 49.1

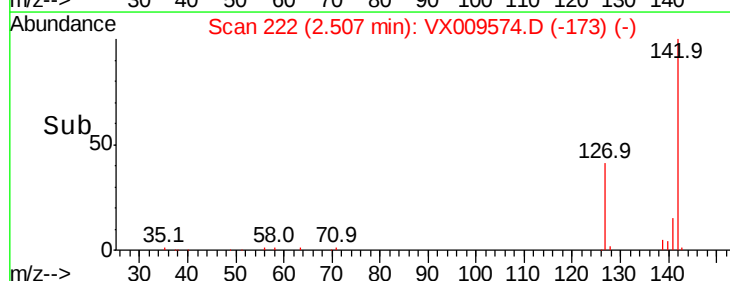
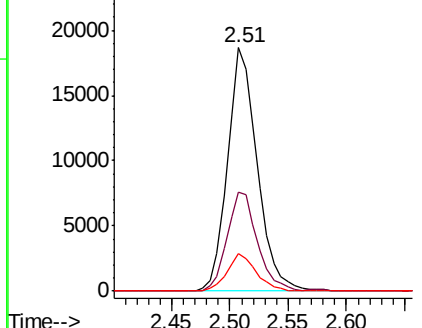
141 15.3 11.5 17.3

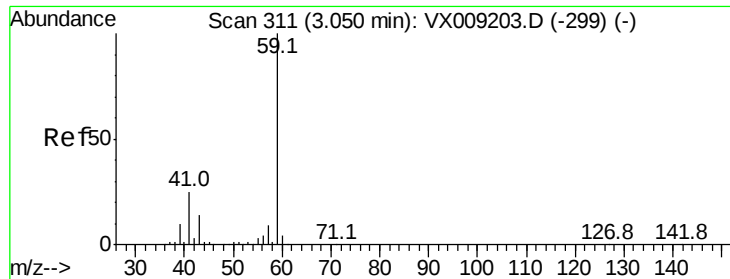


Abundance Ion 141.80 (141.50 to 142.50): V

25000 Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





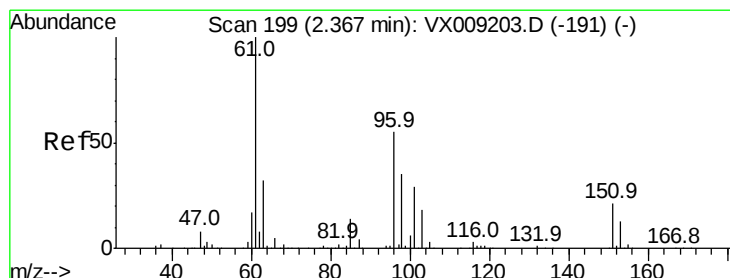
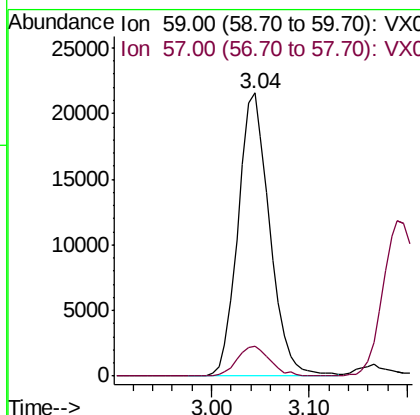
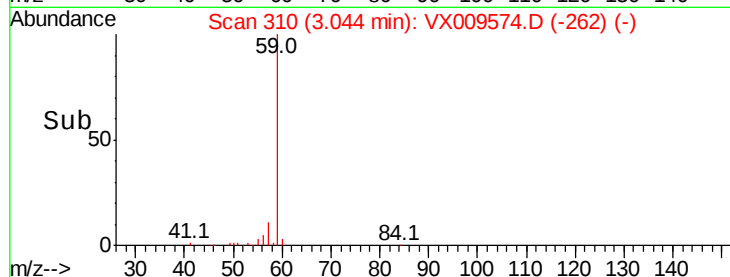
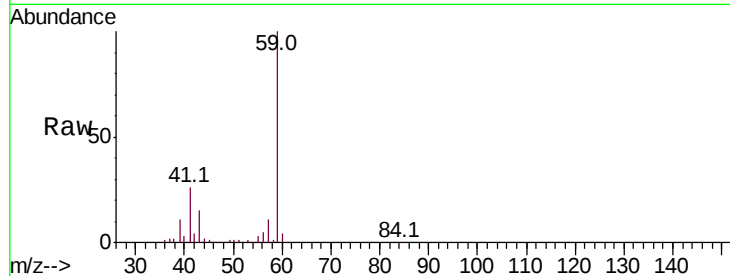
#11
Tert butyl alcohol
Concen: 102.280 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX009574.D
Acq: 15 May 2019 12:54

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tot Ion: 59 Resp: 48403
Ion Ratio Lower Upper
59 100
57 10.9 8.2 12.2

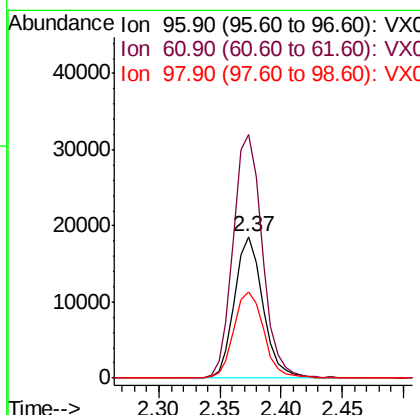
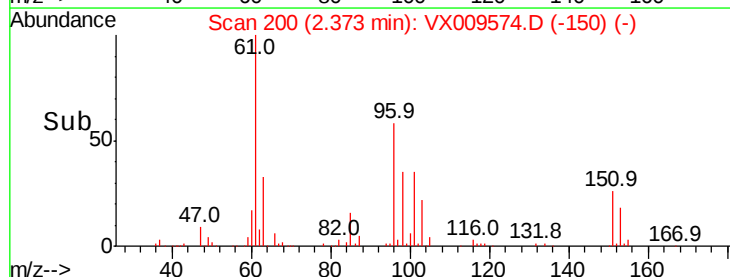
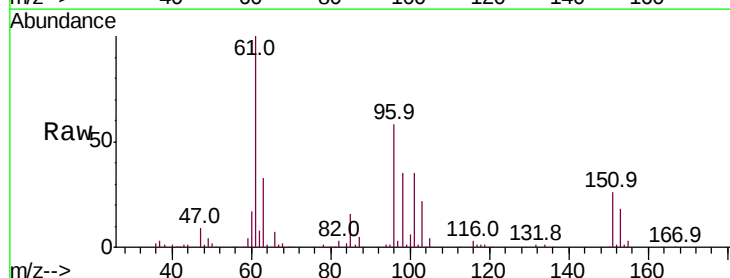
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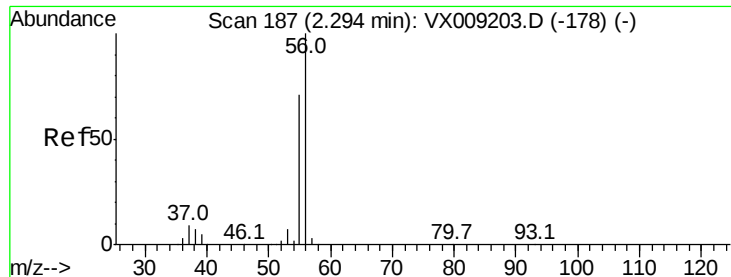
MMDadoda
5/16/2019 12:32:39 PM



#12
1,1-Dichloroethene
Concen: 21.257 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX009574.D
Acq: 15 May 2019 12:54

Tgt Ion: 96 Resp: 29871
Ion Ratio Lower Upper
96 100
61 172.2 144.3 216.5
98 60.6 50.3 75.5





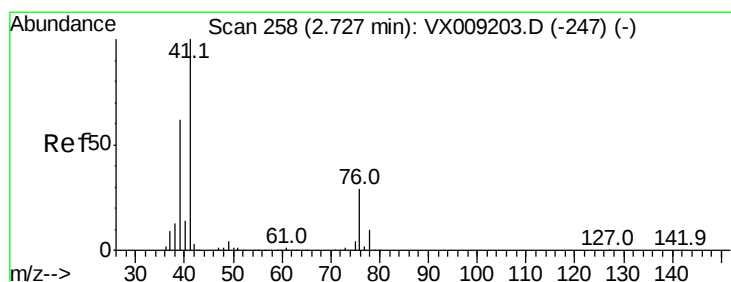
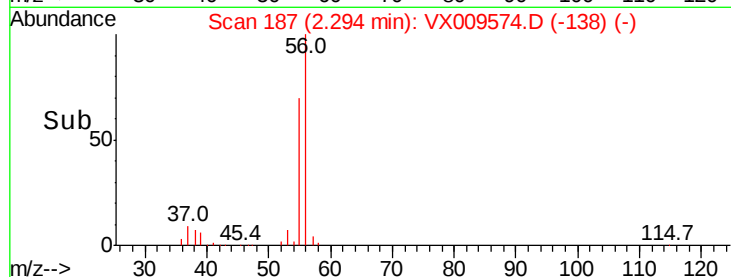
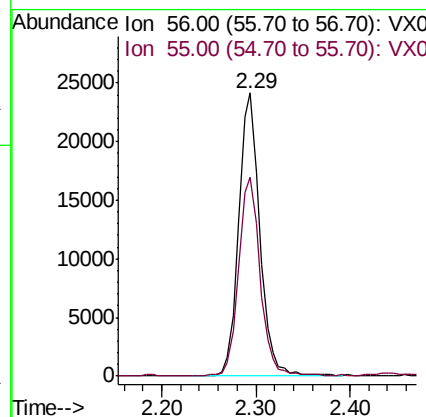
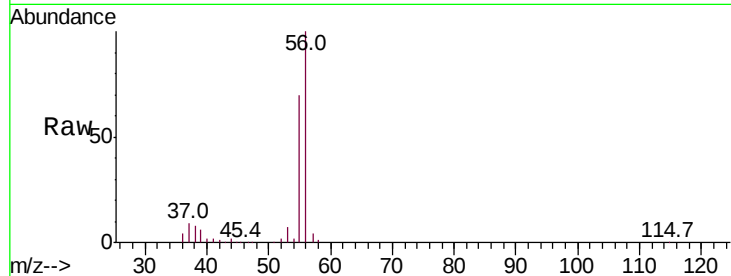
#13
Acrolein
Concen: 87.706 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX009574.D
Acq: 15 May 2019 12:54

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tot Ion: 56 Resp: 37589
Ion Ratio Lower Upper
56 100
55 71.7 56.6 85.0

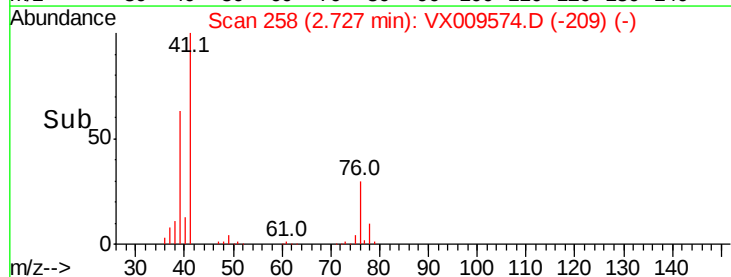
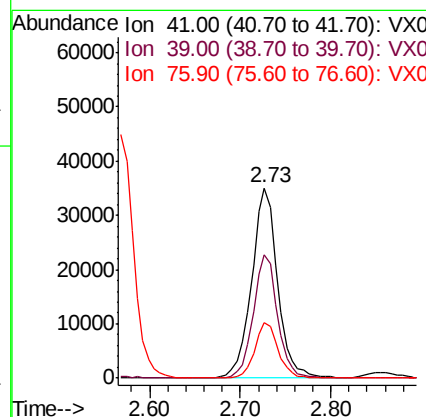
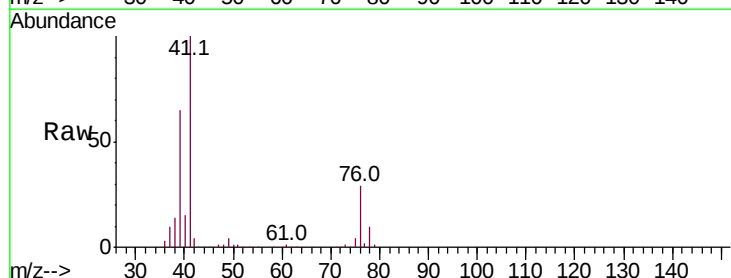
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#14
Allyl chloride
Concen: 20.278 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX009574.D
Acq: 15 May 2019 12:54

Tgt Ion: 41 Resp: 69441
Ion Ratio Lower Upper
41 100
39 60.7 46.7 70.1
76 26.4 21.8 32.8





#15

Acrylonitrile

Concen: 105.030 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009574.D

Acq: 15 May 2019 12:54

Instrument :

MSVOA_X

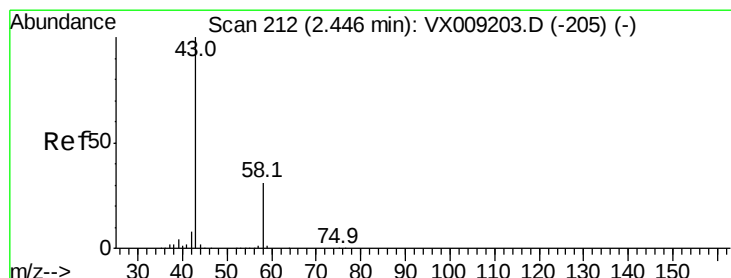
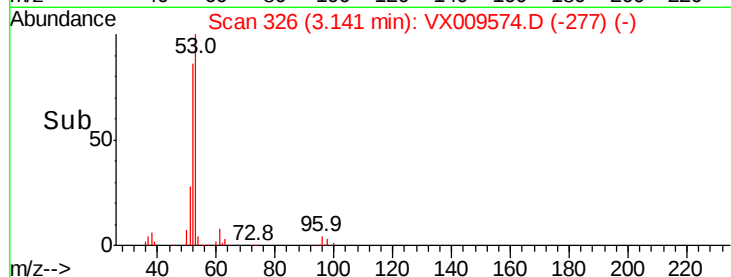
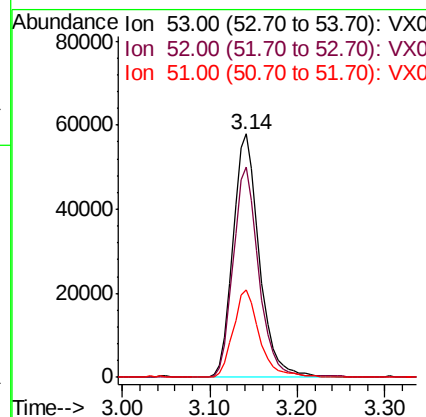
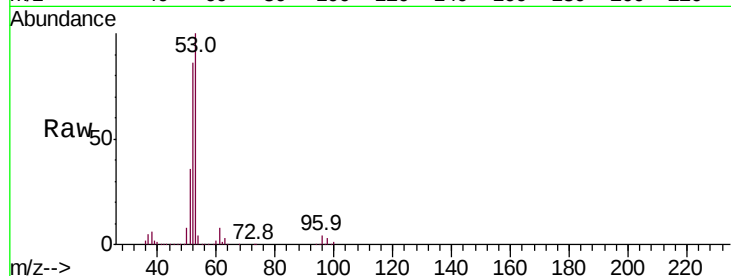
ClientSampleId :

VX0515WBS01

Tot Ion:	53	Resp:	121531
Ion Ratio	Lower	Upper	
53	100		
52	83.8	66.9	100.3
51	35.4	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 102.548 ug/l

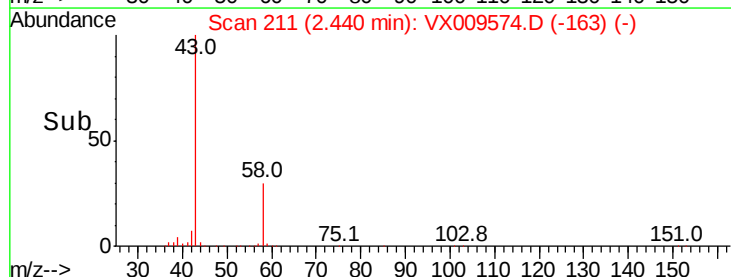
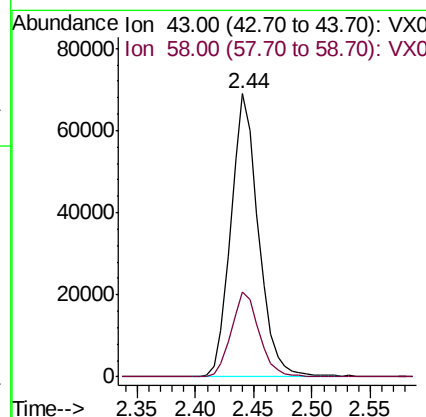
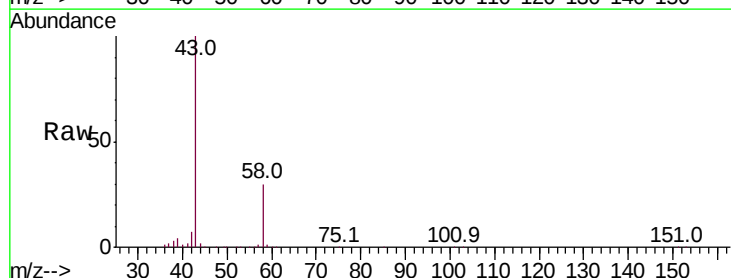
RT: 2.44 min Scan# 211

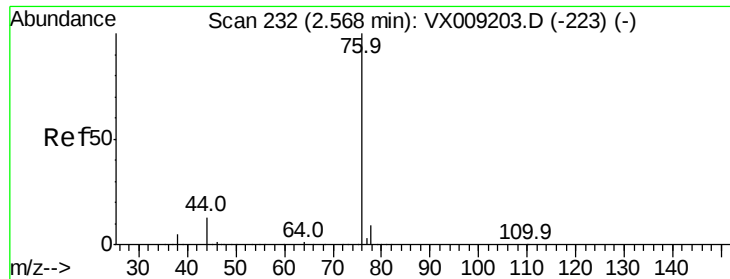
Delta R.T. -0.01 min

Lab File: VX009574.D

Acq: 15 May 2019 12:54

Tgt Ion:	43	Resp:	112576
Ion Ratio	Lower	Upper	
43	100		
58	29.8	24.9	37.3





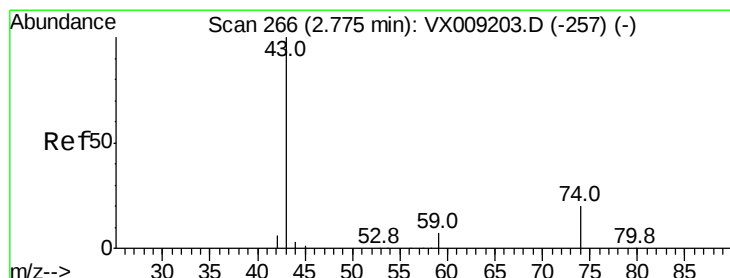
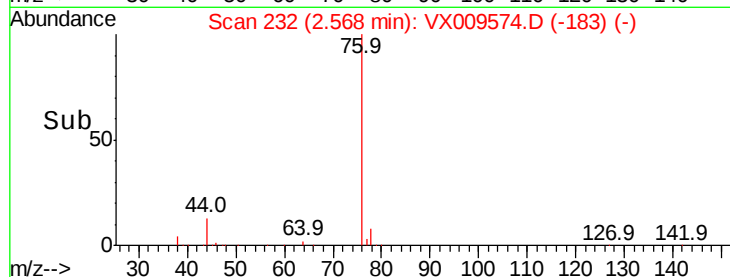
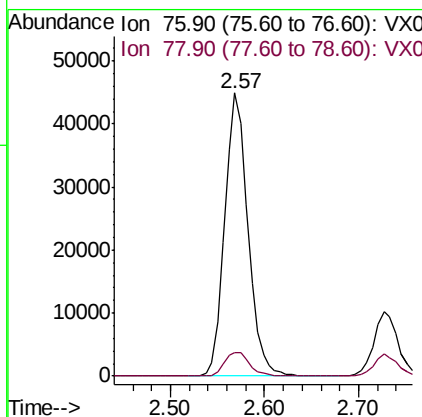
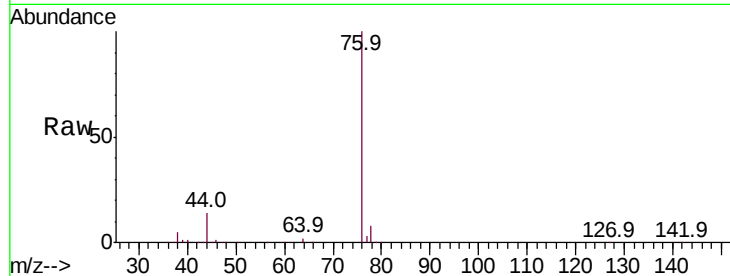
#17
Carbon Disulfide
Concen: 19.488 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX009574.D
Acq: 15 May 2019 12:54

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.4	11.0

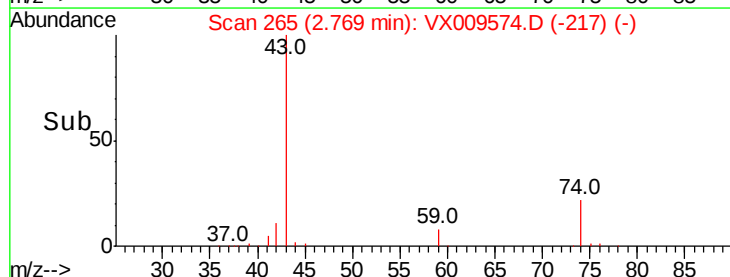
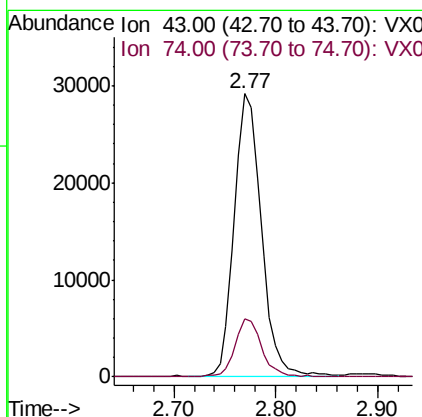
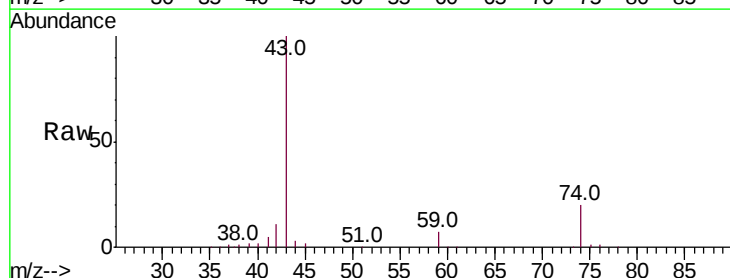
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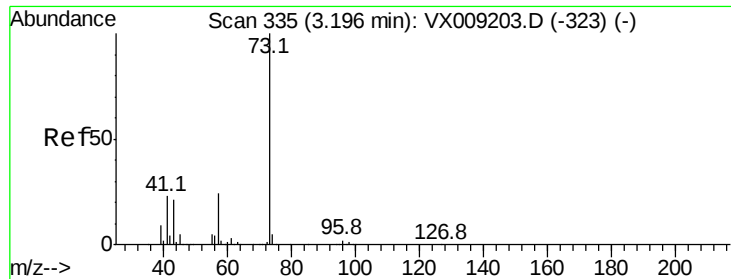
MMDadoda
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#18
Methyl Acetate
Concen: 20.446 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX009574.D
Acq: 15 May 2019 12:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.7	16.2	24.4





#19

Methyl tert-butyl Ether

Concen: 21.308 ug/l

RT: 3.19 min Scan# 334

Delta R.T. -0.01 min

Lab File: VX009574.D

Acq: 15 May 2019 12:54

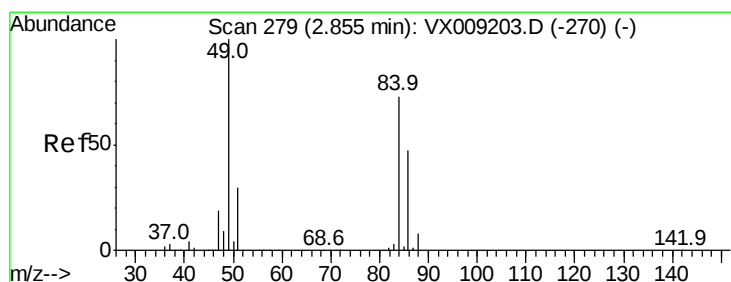
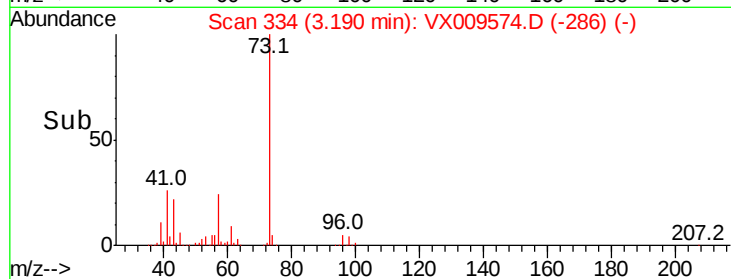
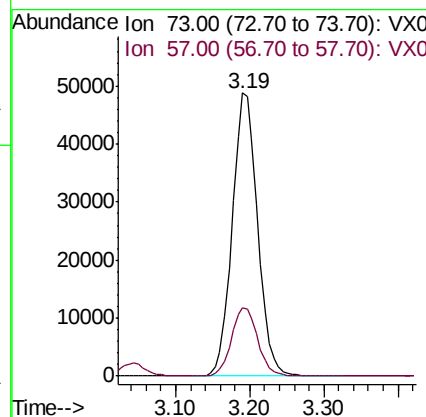
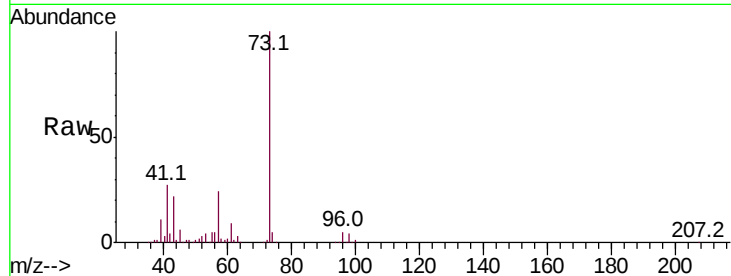
Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tot Ion: 73 Resp: 116272

Ion	Ratio	Lower	Upper
73	100		
57	24.2	19.3	28.9

Manual Integrations
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#20

Methylene Chloride

Concen: 20.705 ug/l

RT: 2.85 min Scan# 279

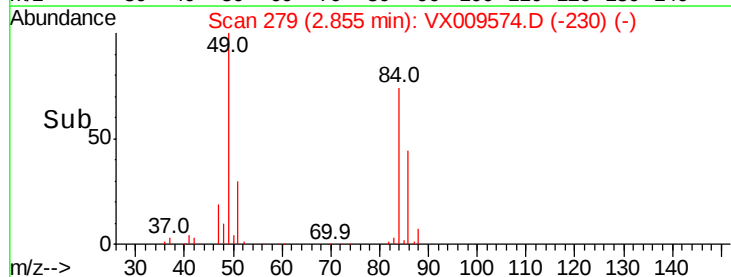
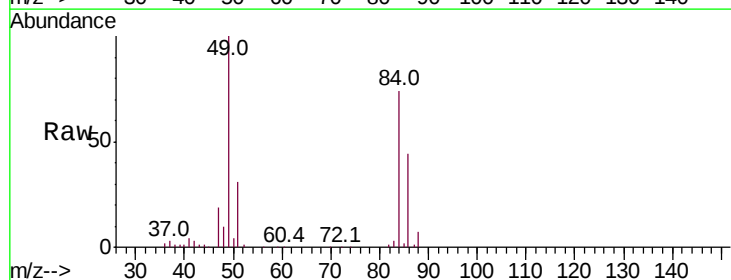
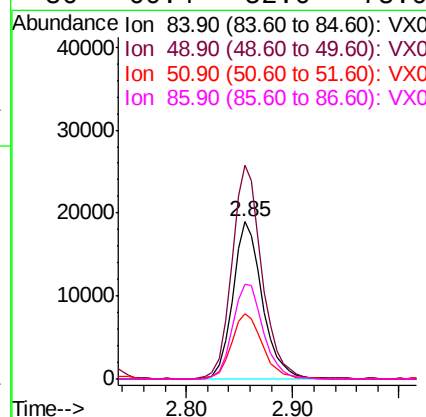
Delta R.T. 0.00 min

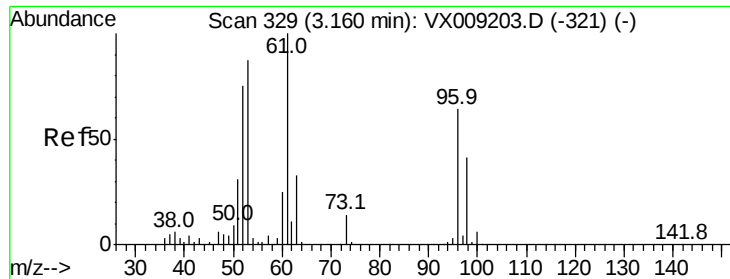
Lab File: VX009574.D

Acq: 15 May 2019 12:54

Tgt Ion: 84 Resp: 36802

Ion	Ratio	Lower	Upper
84	100		
49	135.7	109.9	164.9
51	41.5	32.7	49.1
86	60.4	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 21.213 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009574.D

Acq: 15 May 2019 12:54

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBS01

Tot Ion: 96 Resp: 32327

Ion Ratio Lower Upper

96 100

61 152.9 124.5 186.7

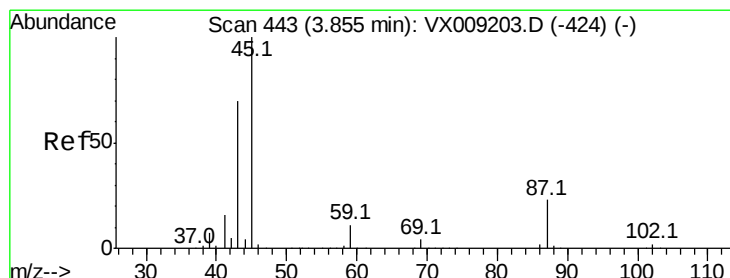
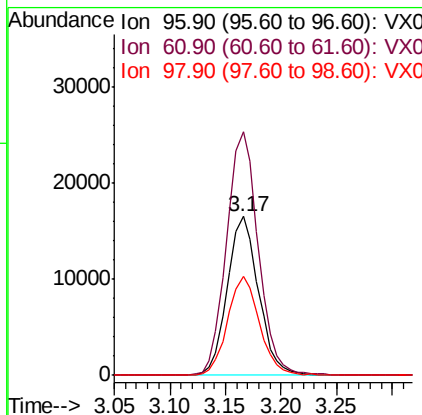
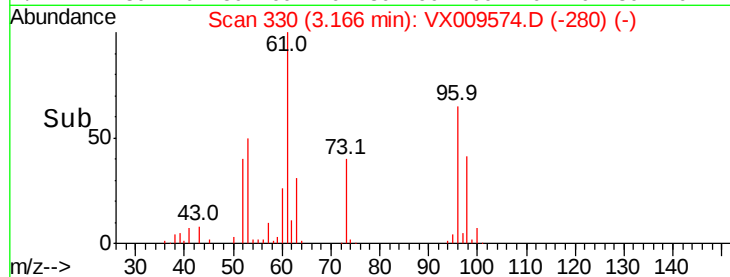
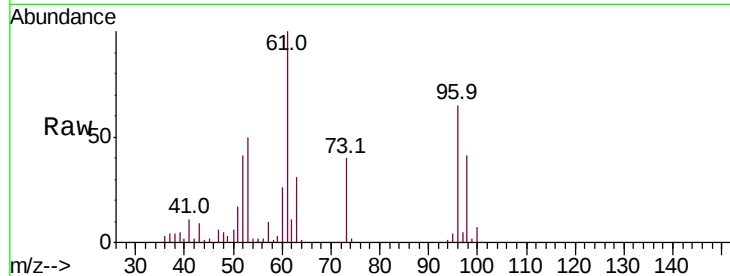
98 62.4 50.4 75.6

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#22

Diisopropyl ether

Concen: 21.780 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX009574.D

Acq: 15 May 2019 12:54

Tgt Ion: 45 Resp: 143434

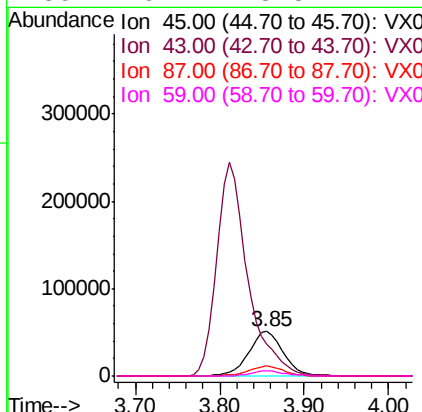
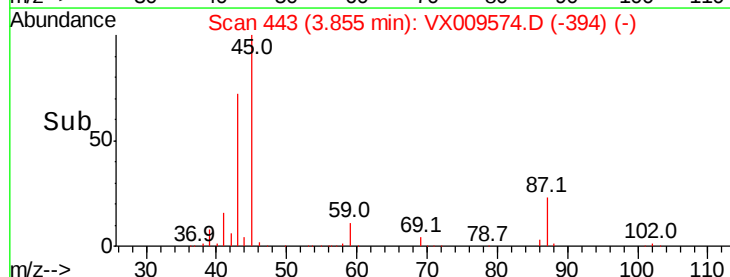
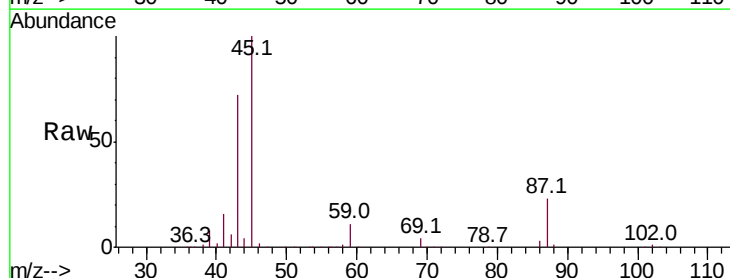
Ion Ratio Lower Upper

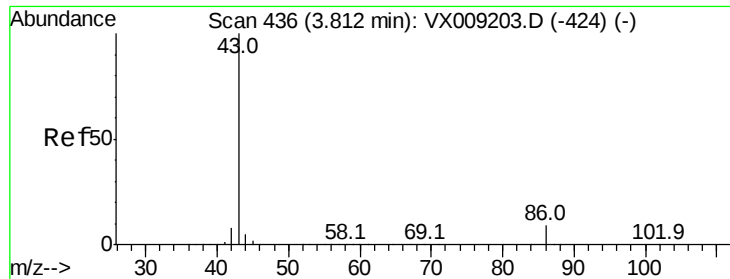
45 100

43 71.1 56.1 84.1

87 23.2 18.1 27.1

59 10.7 8.5 12.7





#23

Vinyl Acetate

Concen: 109.907 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX009574.D

Acq: 15 May 2019 12:54

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBS01

Tot Ion: 43 Resp: 619815

Ion Ratio Lower Upper

43 100

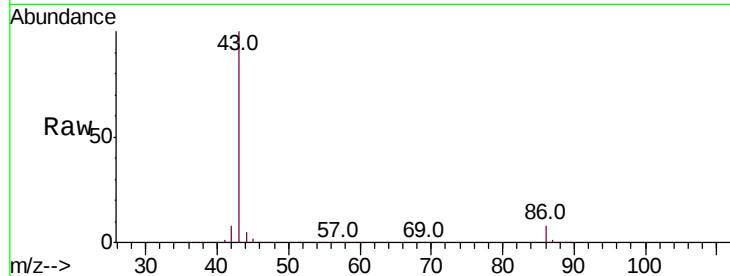
86 8.1 6.9 10.3

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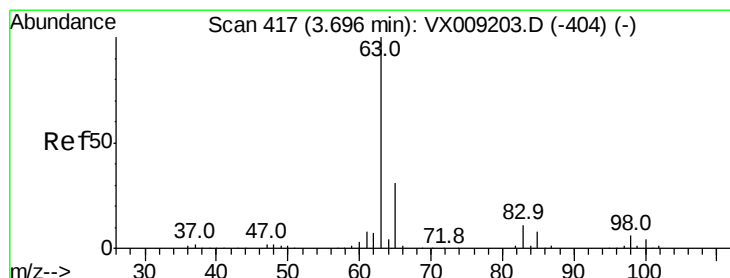
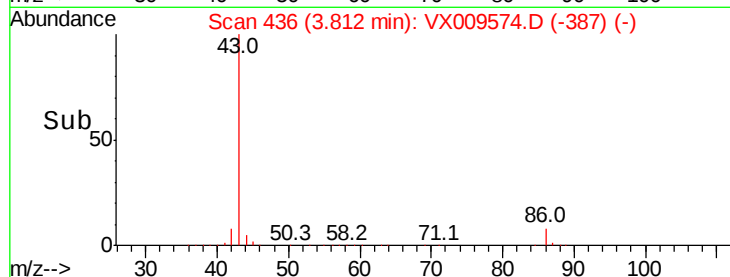
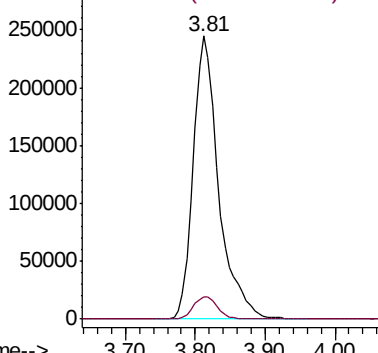
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 20.906 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009574.D

Acq: 15 May 2019 12:54

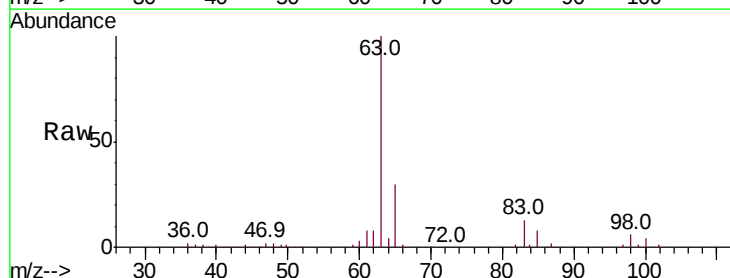
Tgt Ion: 63 Resp: 67921

Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.2

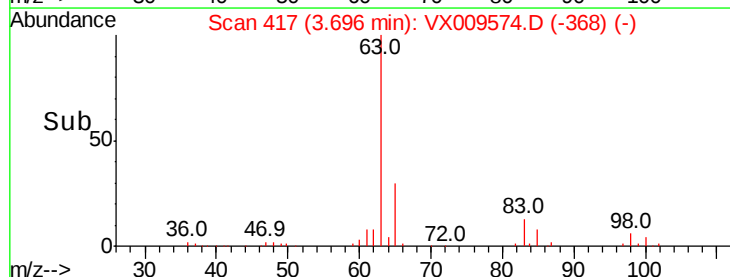
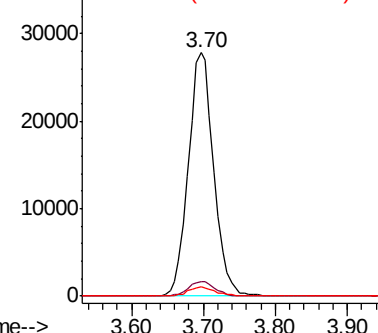
100 3.9 2.0 6.0

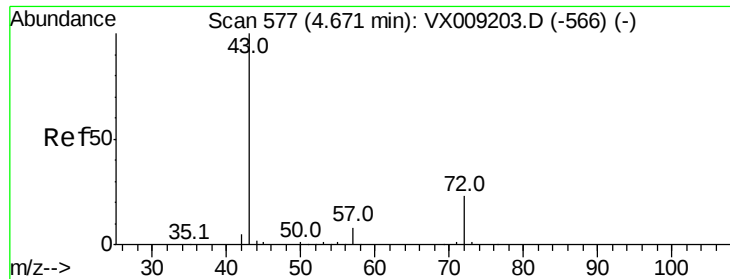


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 106.201 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX009574.D

Acq: 15 May 2019 12:54

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBS01

Tot Ion: 43 Resp: 181171

Ion Ratio Lower Upper

43 100

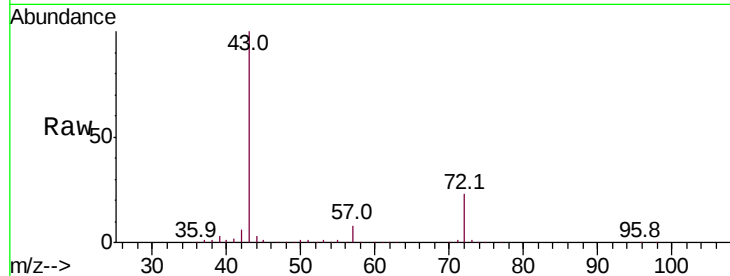
72 23.0 18.2 27.2

Manual Integrations

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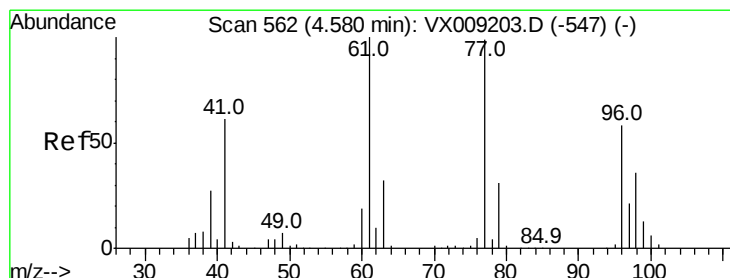
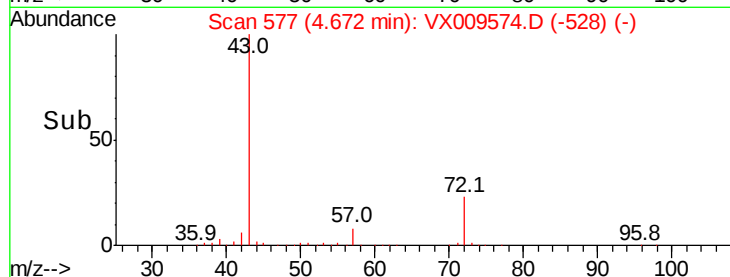
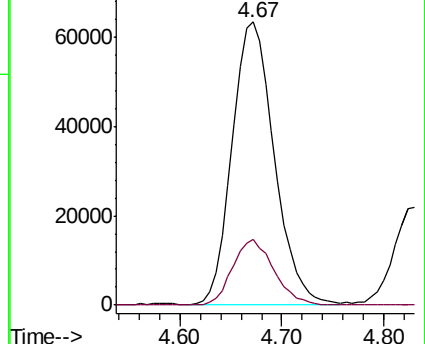
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 20.981 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX009574.D

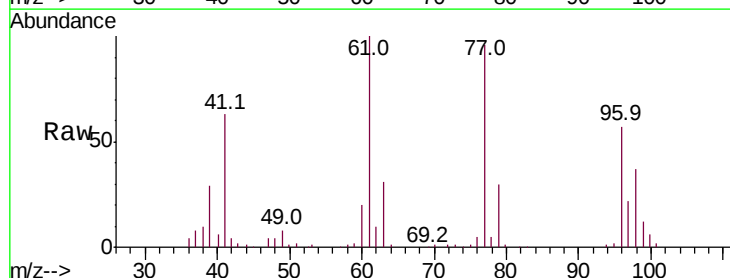
Acq: 15 May 2019 12:54

Tgt Ion: 77 Resp: 50737

Ion Ratio Lower Upper

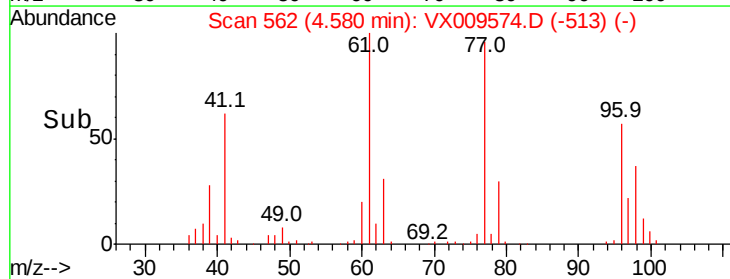
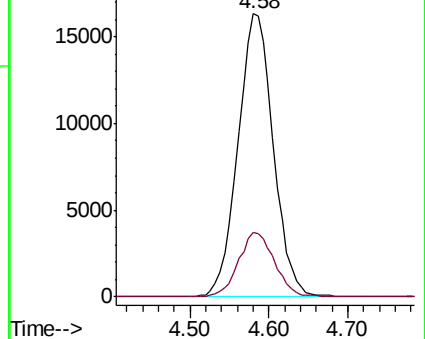
77 100

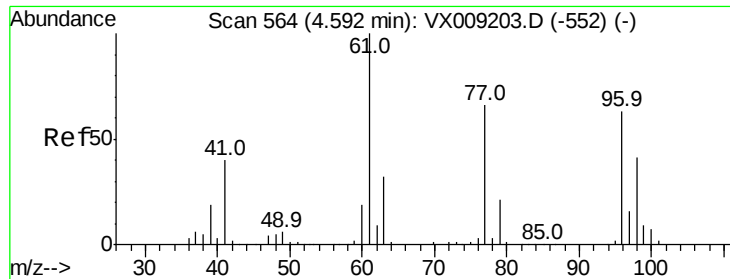
97 23.2 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

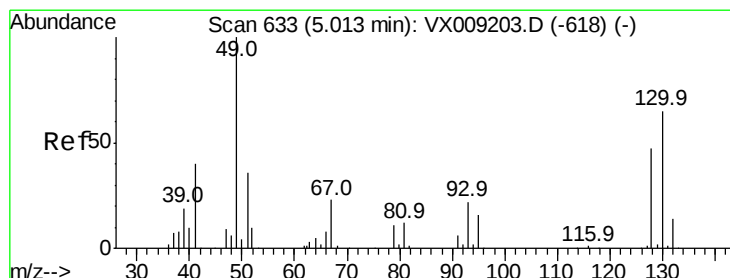
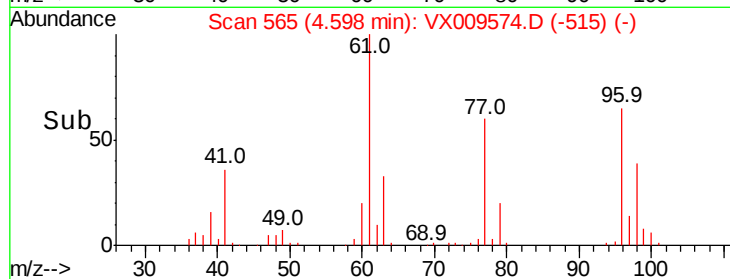
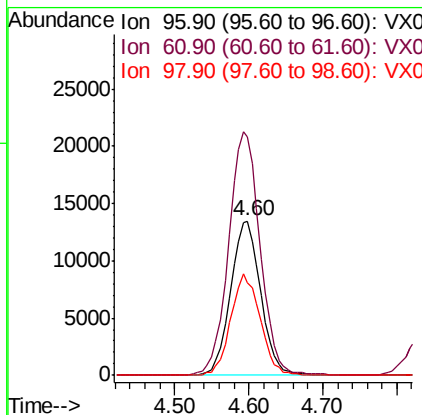
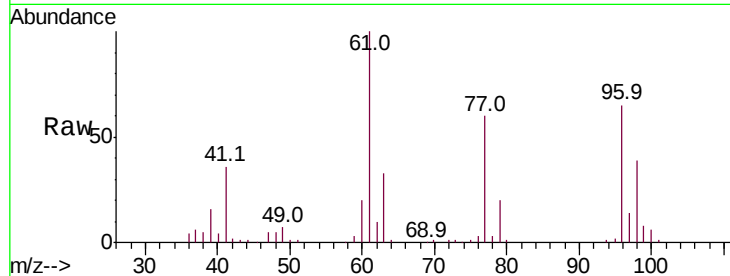
cis-1,2-Dichloroethene
Concen: 20.921 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009574.D
Acq: 15 May 2019 12:54

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	164.7	0.0	324.0	
98	64.5	0.0	130.4	

Manual Integrations
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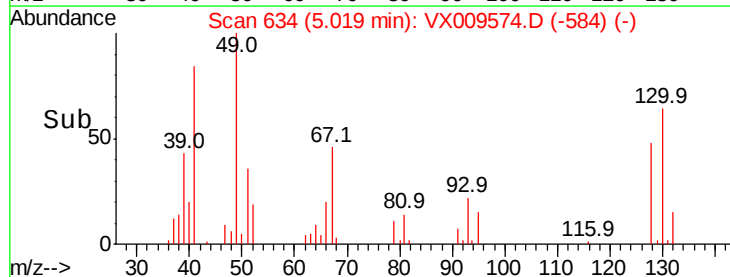
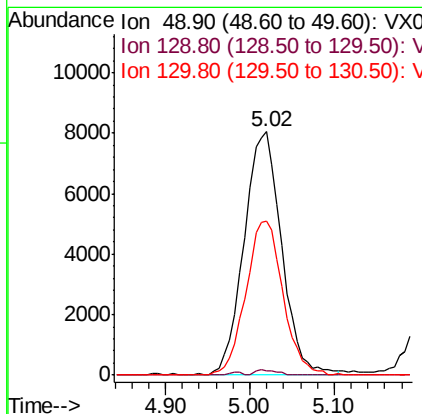
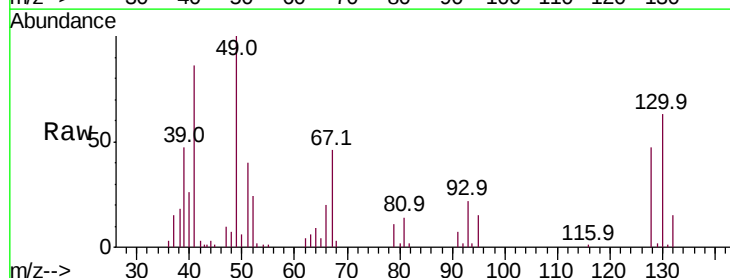
MMDadoda
5/16/2019 12:32:39 PM

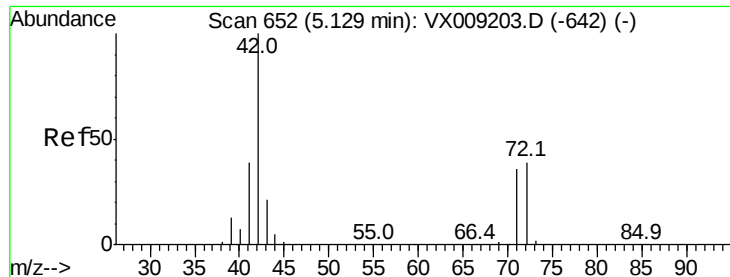


#28

Bromochloromethane
Concen: 16.790 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX009574.D
Acq: 15 May 2019 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.2	0.0	3.8	
130	62.5	51.2	76.8	





#29

Tetrahydrofuran

Concen: 108.144 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.00 min

Lab File: VX009574.D

Acq: 15 May 2019 12:54

Instrument :

MSVOA_X

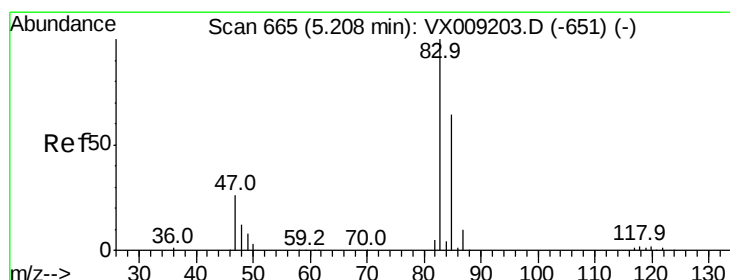
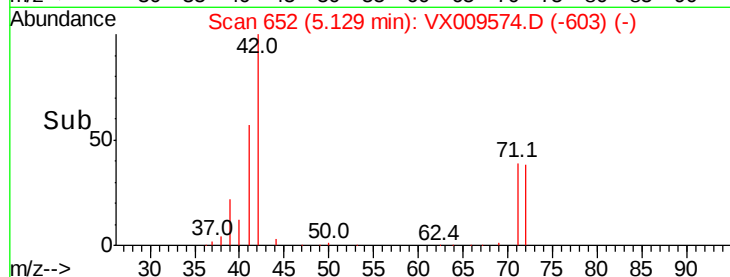
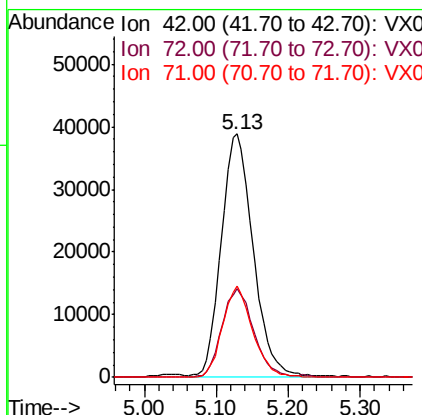
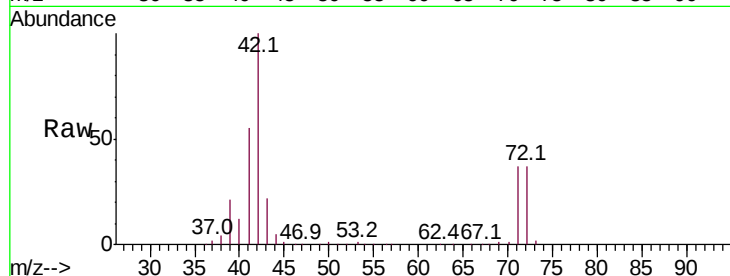
ClientSampleId :

VX0515WBS01

Tot Ion:	42	Resp:	118716
Ion Ratio	Lower	Upper	
42	100		
72	36.7	30.4	45.6
71	35.8	28.6	43.0

Manual Integrations
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#30

Chloroform

Concen: 21.317 ug/l

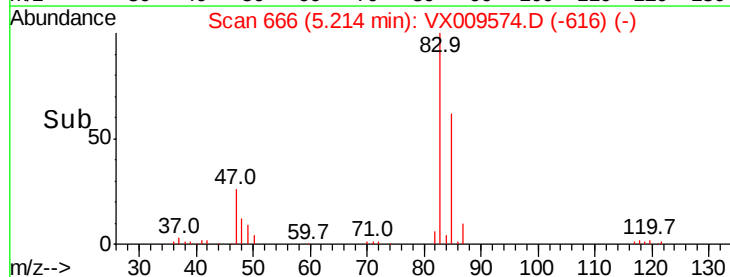
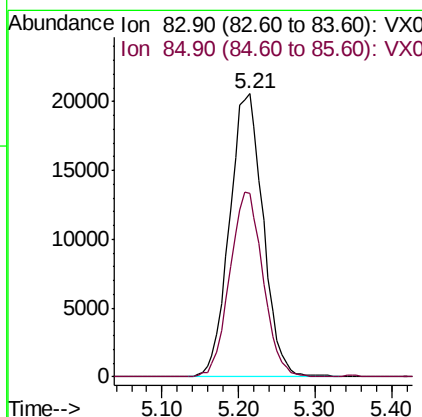
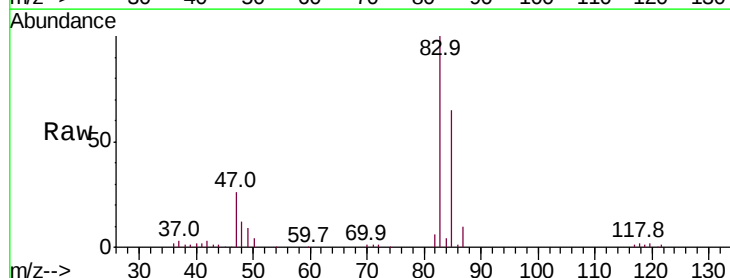
RT: 5.21 min Scan# 666

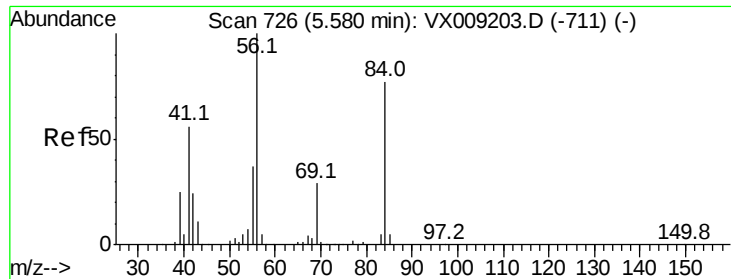
Delta R.T. 0.01 min

Lab File: VX009574.D

Acq: 15 May 2019 12:54

Tgt Ion:	83	Resp:	62638
Ion Ratio	Lower	Upper	
83	100		
85	64.7	51.5	77.3





#31

Cyclohexane

Concen: 21.430 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX009574.D

Acq: 15 May 2019 12:54

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBS01

Tot Ion: 56 Resp: 64773

Ion Ratio Lower Upper

56 100

69 27.7 23.4 35.0

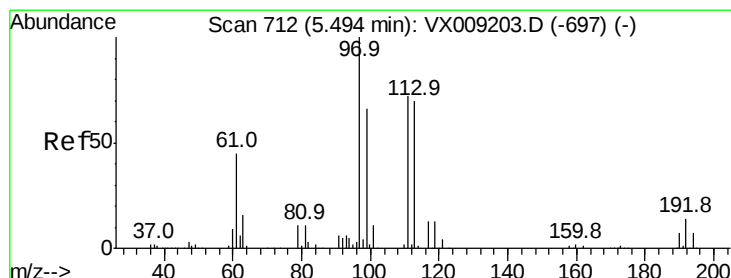
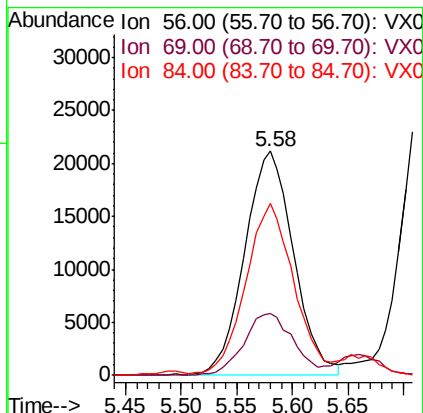
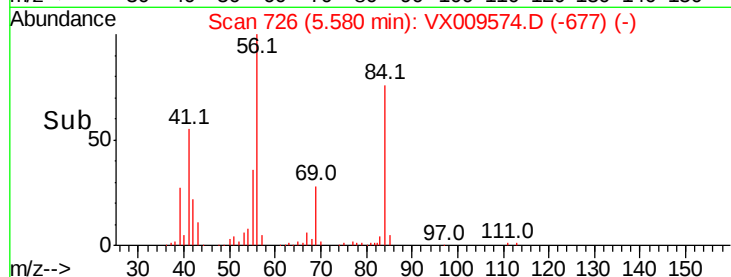
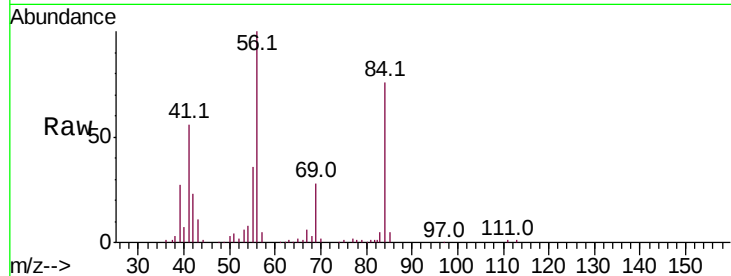
84 75.6 61.9 92.9

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 21.106 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX009574.D

Acq: 15 May 2019 12:54

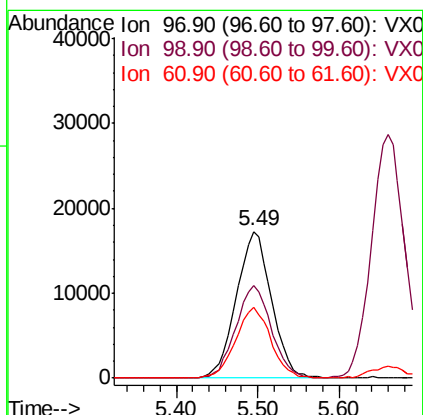
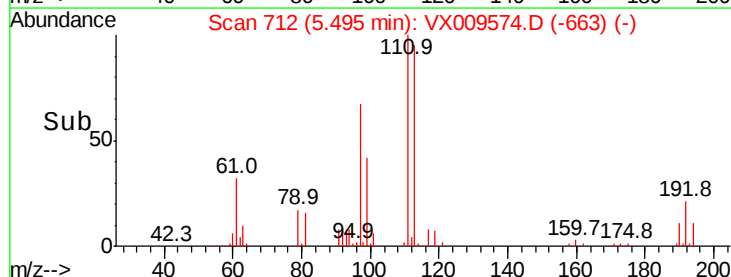
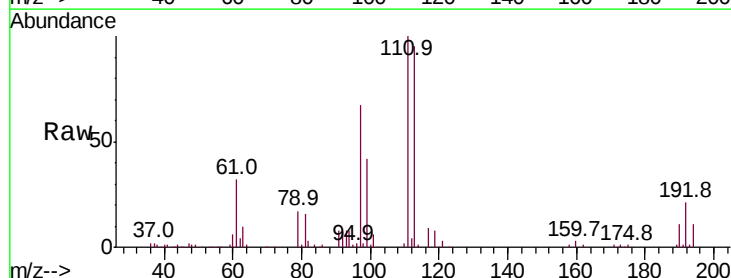
Tgt Ion: 97 Resp: 51626

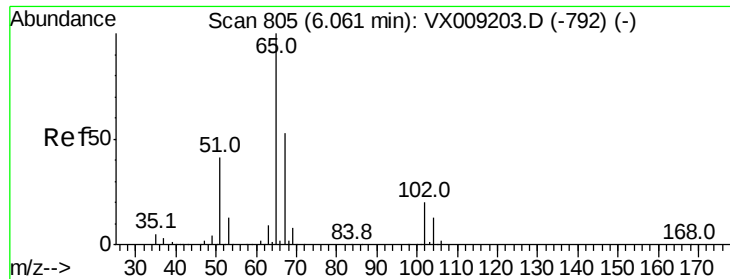
Ion Ratio Lower Upper

97 100

99 63.9 51.8 77.8

61 48.5 37.8 56.8





#33

1,2-Dichloroethane-d4

Concen: 48.046 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009574.D

Acq: 15 May 2019 12:54

Tot Ion: 65 Resp: 98227

Ion Ratio Lower Upper

65 100

67 53.4 0.0 106.6

Instrument :

MSVOA_X

ClientSampleId :

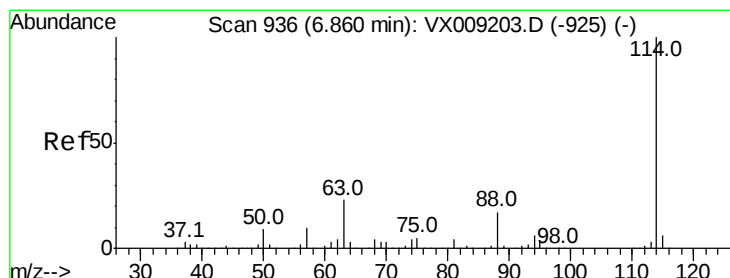
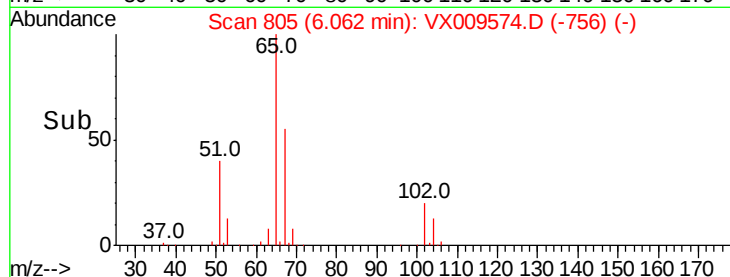
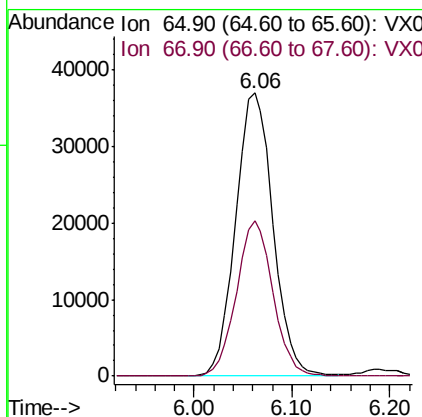
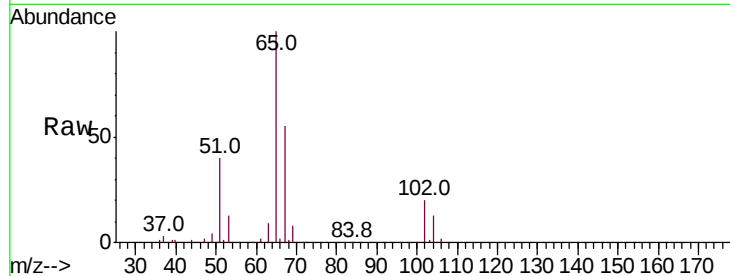
VX0515WBS01

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX009574.D

Acq: 15 May 2019 12:54

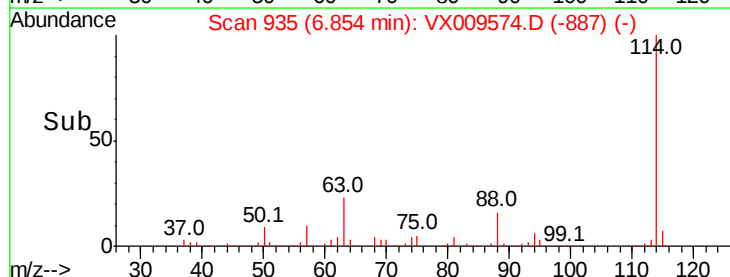
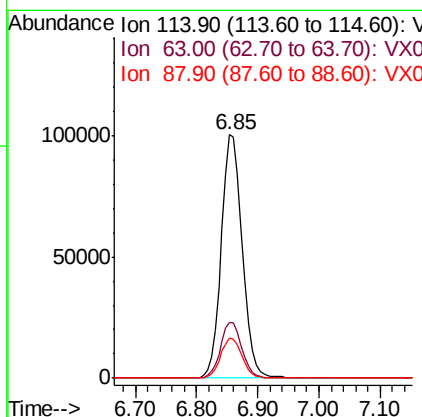
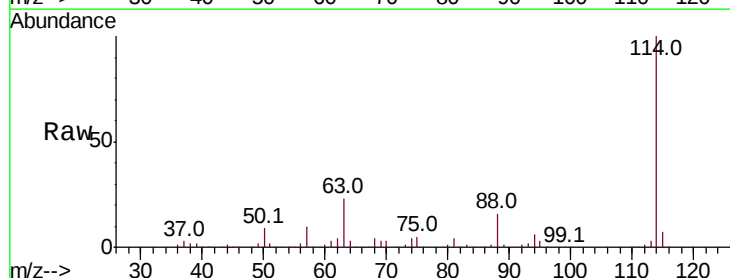
Tgt Ion: 114 Resp: 239244

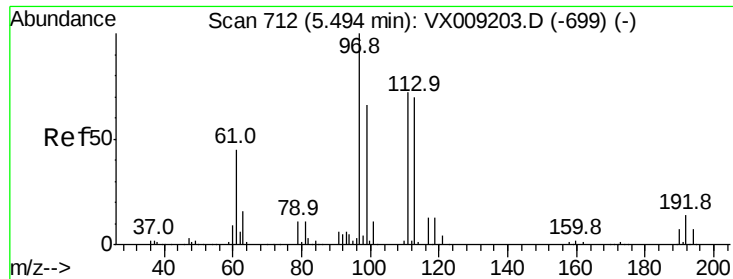
Ion Ratio Lower Upper

114 100

63 23.0 0.0 45.6

88 16.5 0.0 33.2





#35

Dibromofluoromethane

Concen: 48.120 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009574.D

Acq: 15 May 2019 12:54

Instrument :

MSVOA_X

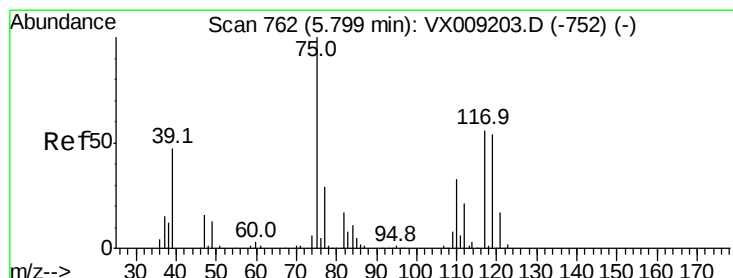
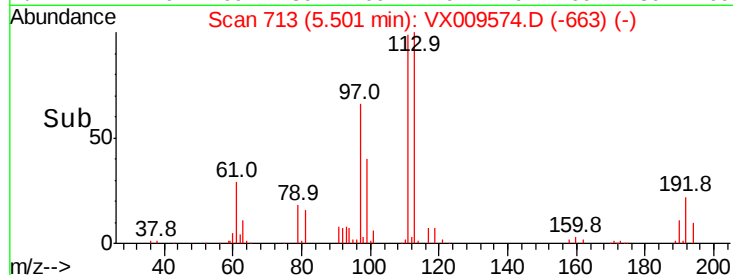
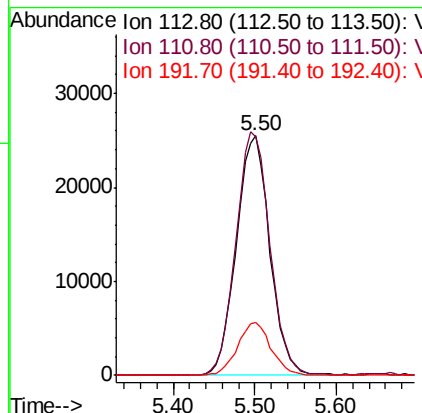
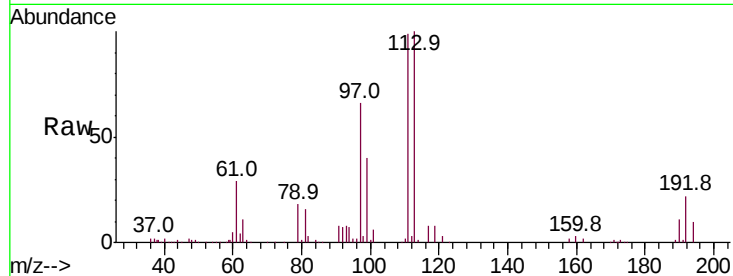
ClientSampleId :

VX0515WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.8	124.2
192	21.9	17.0	25.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.760 ug/l

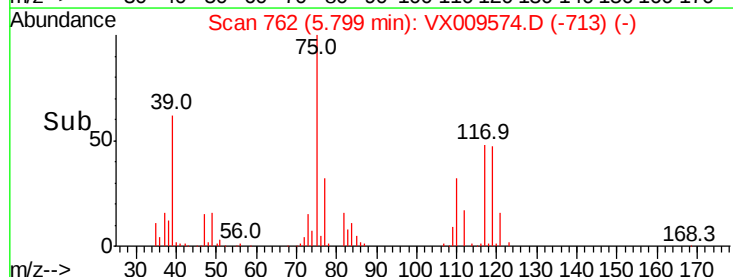
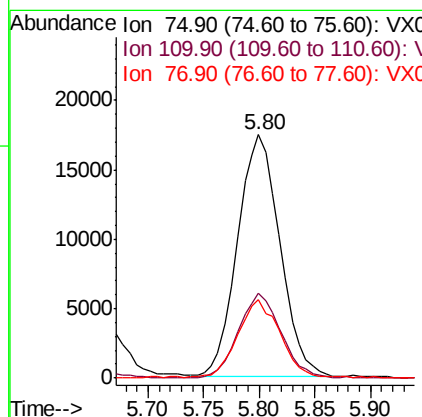
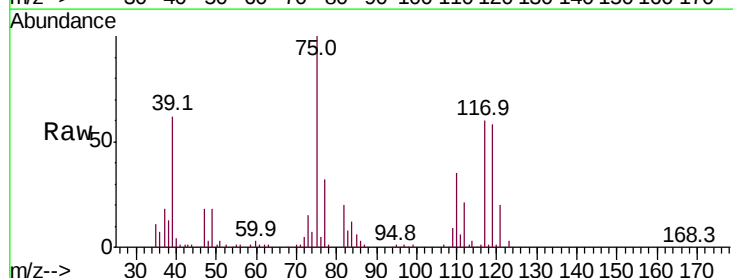
RT: 5.80 min Scan# 762

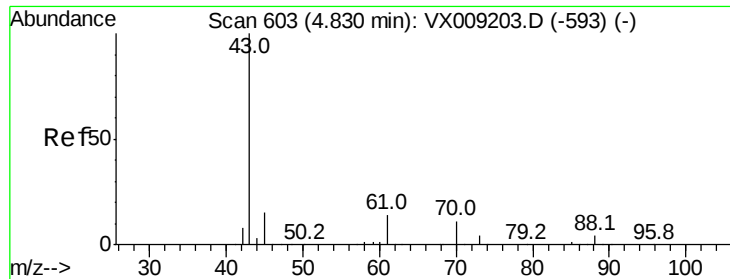
Delta R.T. 0.00 min

Lab File: VX009574.D

Acq: 15 May 2019 12:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.1	16.9	50.6
77	31.8	24.8	37.2





#37

Ethyl Acetate

Concen: 21.793 ug/l

RT: 4.83 min Scan# 603

Delta R.T. 0.00 min

Lab File: VX009574.D

Acq: 15 May 2019 12:54

Instrument :

MSVOA_X

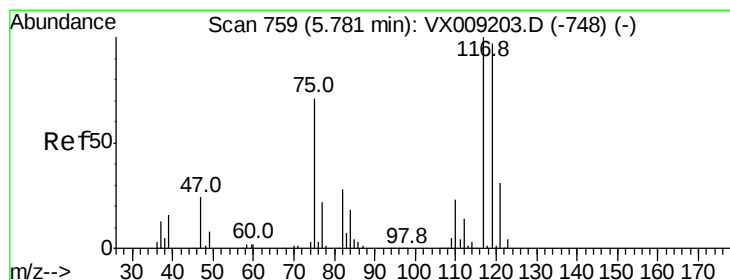
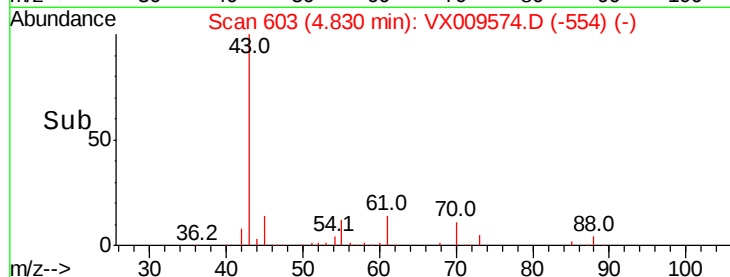
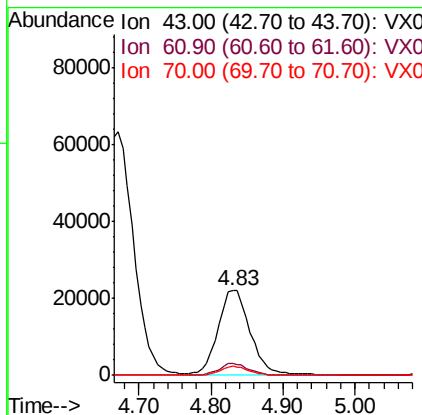
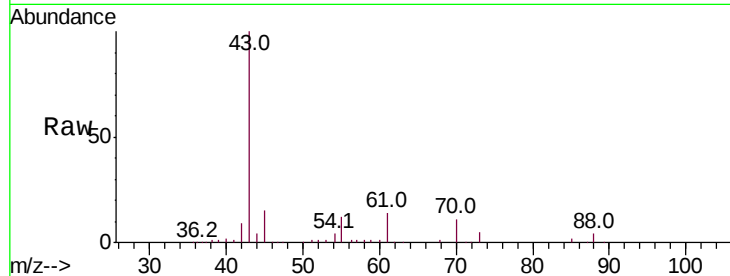
ClientSampleId :

VX0515WBS01

Tot Ion:	43	Resp:	67508
Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.5	15.7
70	9.6	7.9	11.9

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 20.739 ug/l

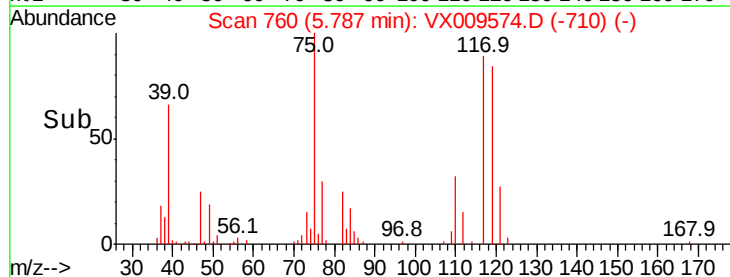
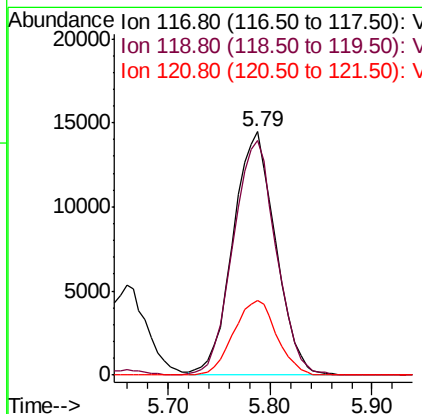
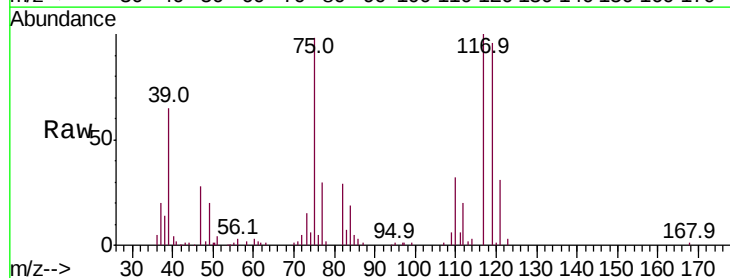
RT: 5.79 min Scan# 760

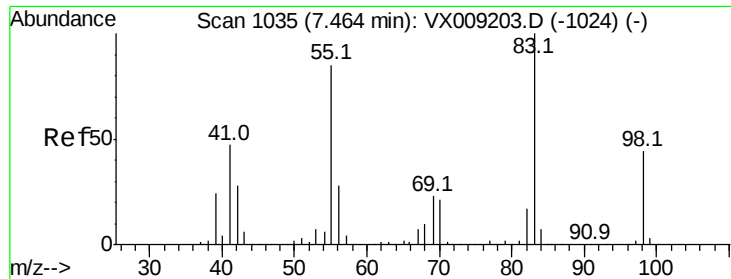
Delta R.T. 0.01 min

Lab File: VX009574.D

Acq: 15 May 2019 12:54

Tgt Ion:	117	Resp:	41893
Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.5	116.3
121	30.6	24.7	37.1





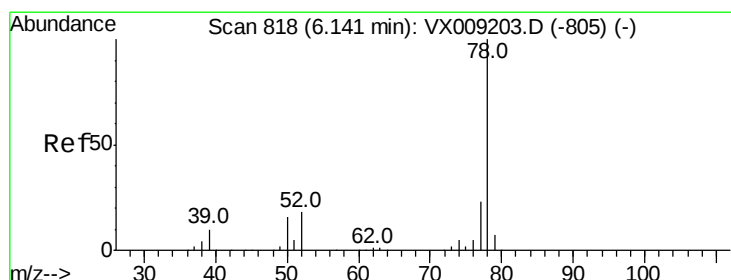
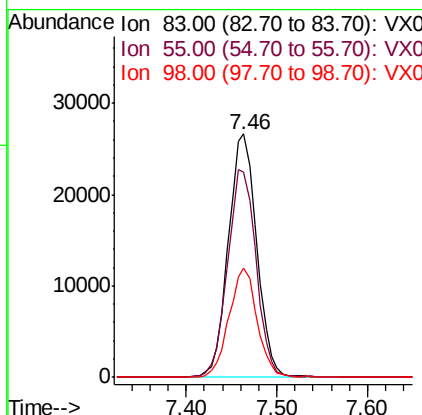
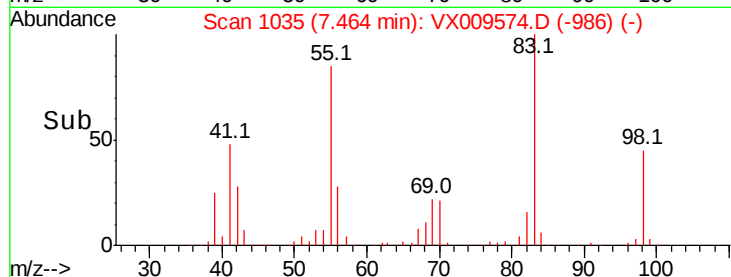
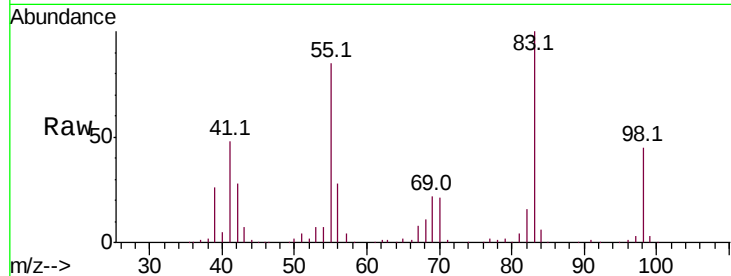
#39
Methvlcvclohexane
Concen: 21.175 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009574.D
Acq: 15 May 2019 12:54

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.3	67.7	101.5
98	45.1	35.5	53.3

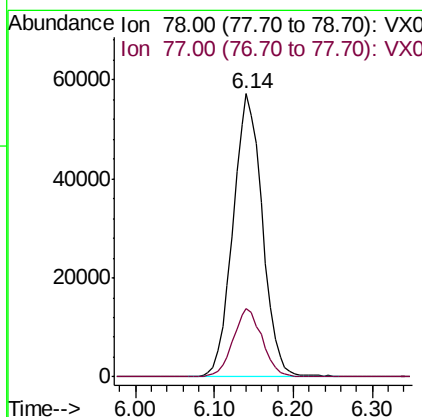
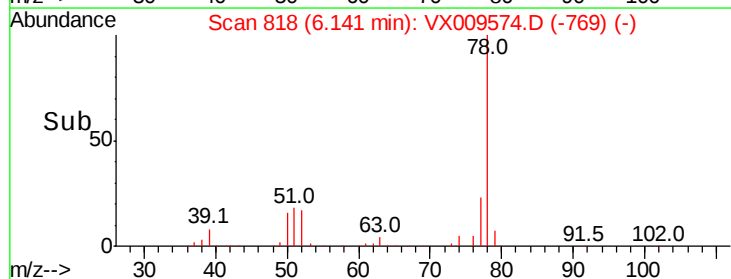
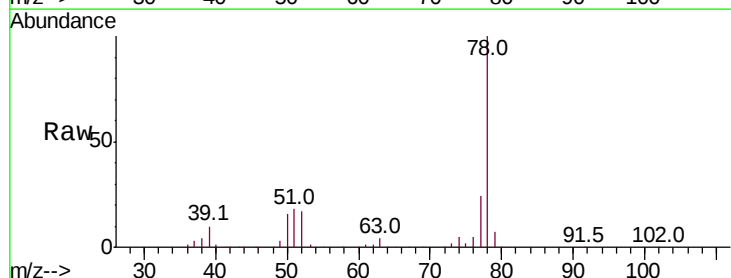
Manual Integrations
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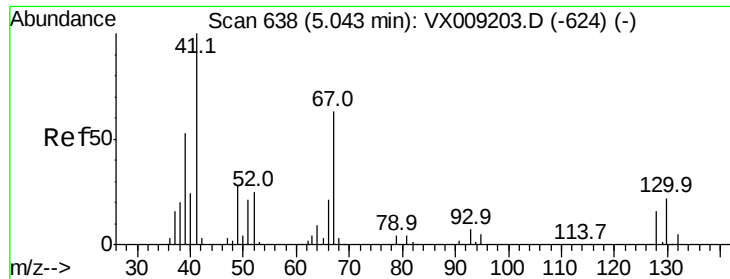
MMDadoda
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#40
Benzene
Concen: 21.512 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009574.D
Acq: 15 May 2019 12:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.8	28.2





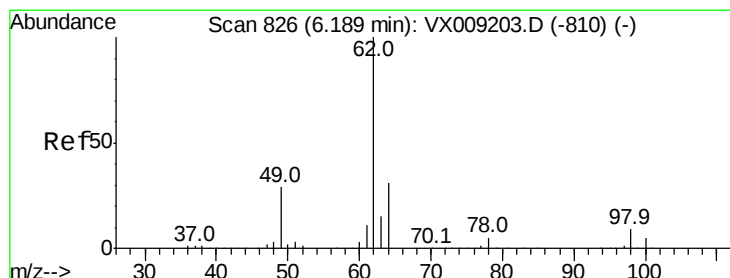
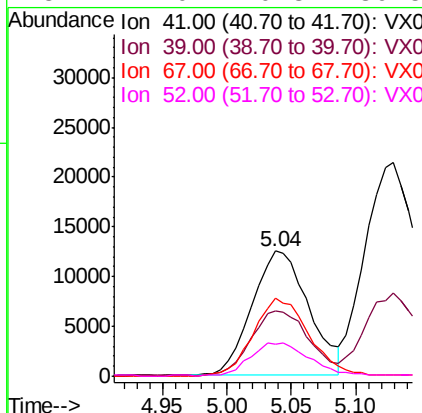
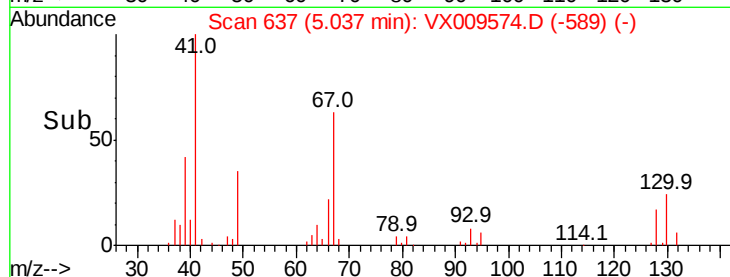
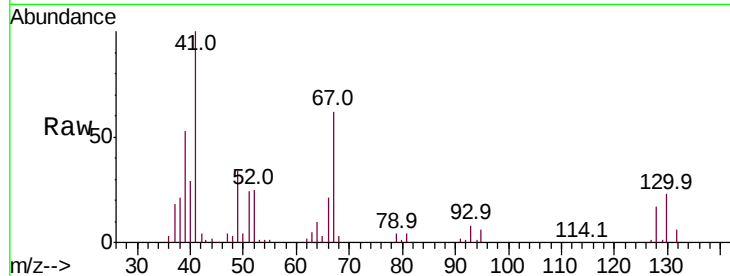
#41
Methacrylonitrile
Concen: 20.819 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX009574.D
Acq: 15 May 2019 12:54

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.4	42.0	63.0	
67	62.5	49.8	74.8	
52	27.0	20.3	30.5	

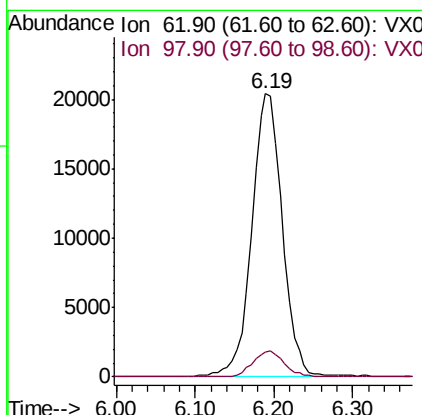
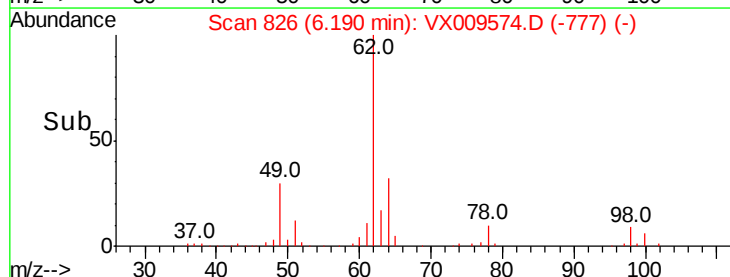
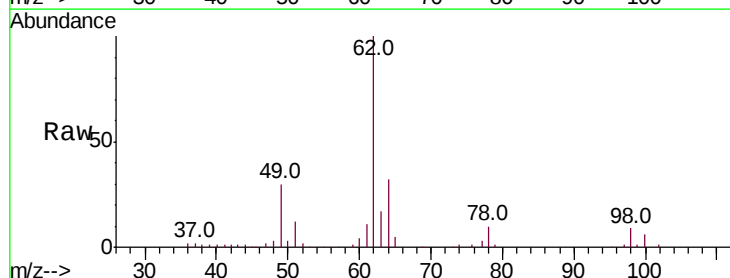
Manual Integrations
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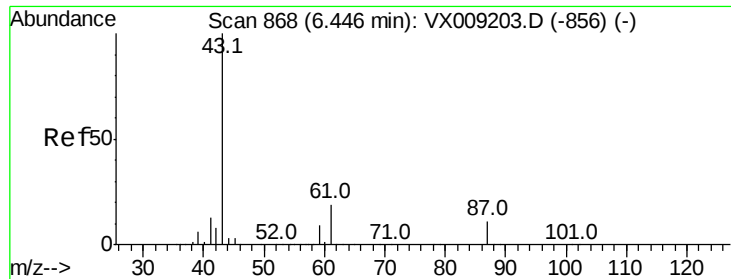
MMDadoda
5/16/2019 12:32:39 PM



#42
1,2-Dichloroethane
Concen: 22.258 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.00 min
Lab File: VX009574.D
Acq: 15 May 2019 12:54

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.4	0.0	18.2	





#43

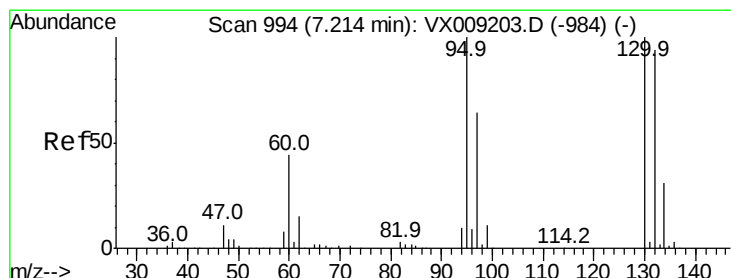
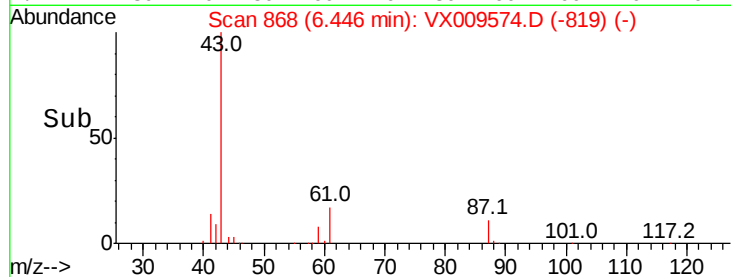
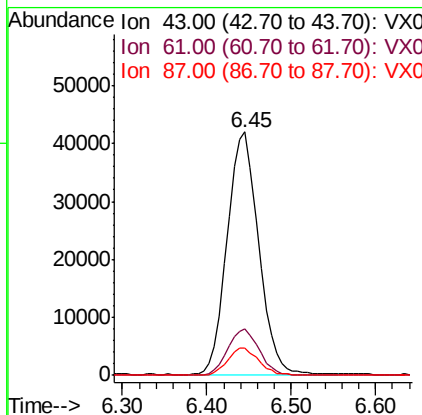
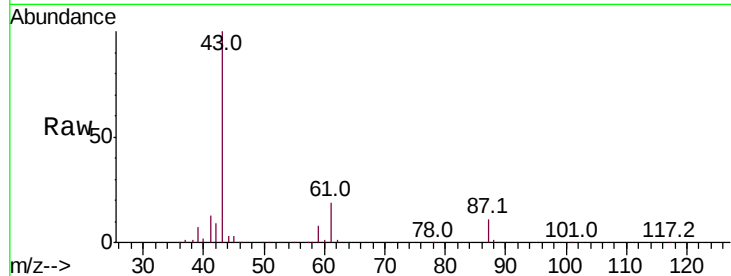
Isopropyl Acetate
 Concen: 21.470 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX009574.D
 Acq: 15 May 2019 12:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0515WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.1	22.7
87	11.2	9.0	13.6

Manual Integrations
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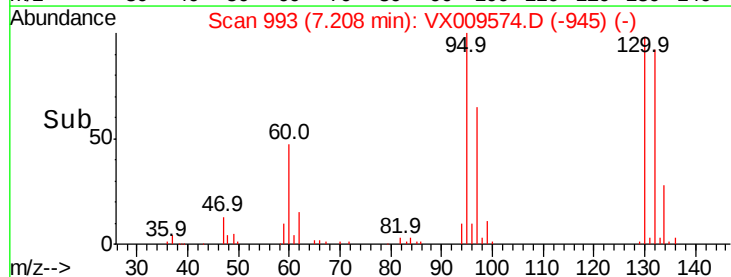
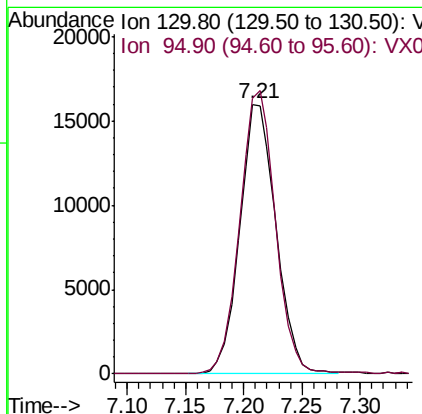
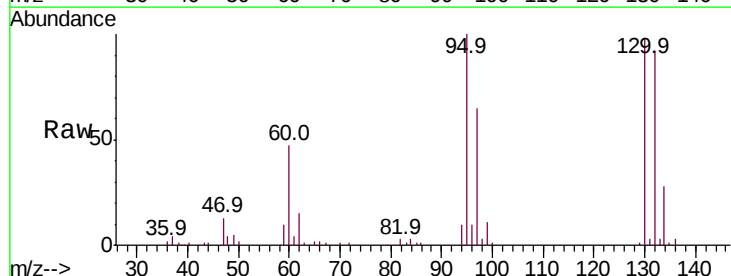
MMDadoda
 5/16/2019 12:32:39 PM

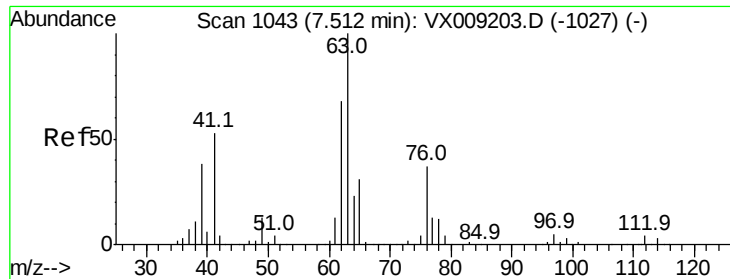


#44

Trichloroethene
 Concen: 20.841 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX009574.D
 Acq: 15 May 2019 12:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.2	0.0	199.2





#45

1,2-Dichloropropane

Concen: 21.978 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX009574.D

Acq: 15 May 2019 12:54

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBS01

Tot Ion: 63 Resp: 42821

Ion Ratio Lower Upper

63 100

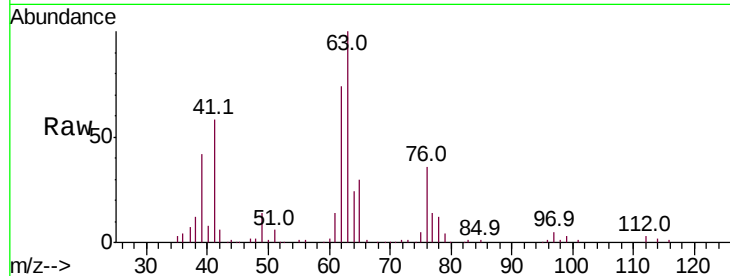
65 30.1 25.0 37.6

Manual Integrations

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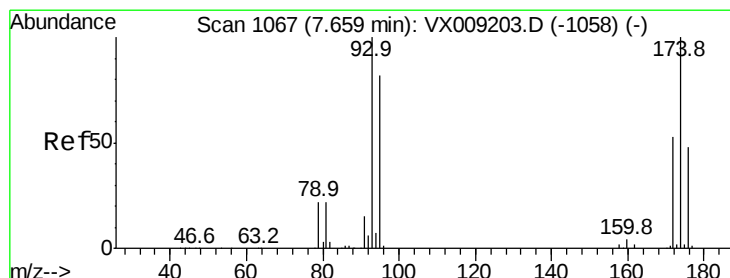
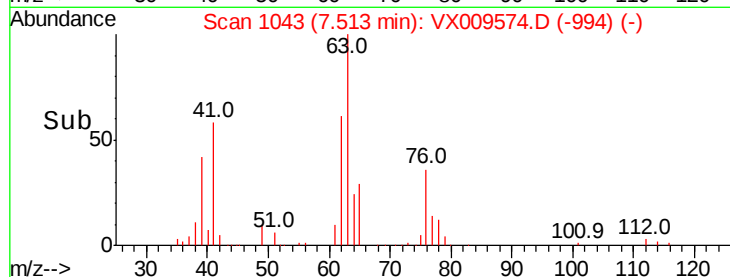
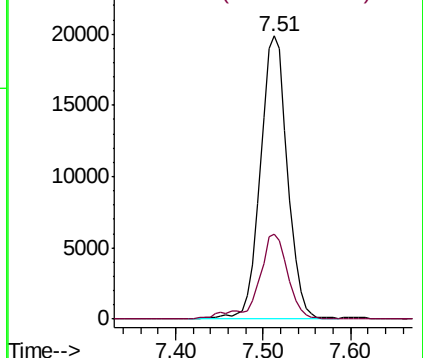
MMDadoda

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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: 21.403 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX009574.D

Acq: 15 May 2019 12:54

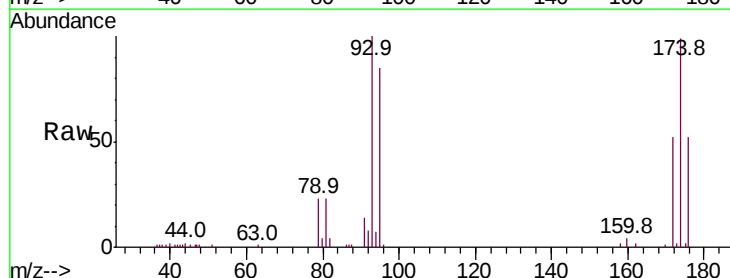
Tgt Ion: 93 Resp: 24216

Ion Ratio Lower Upper

93 100

95 82.1 66.5 99.7

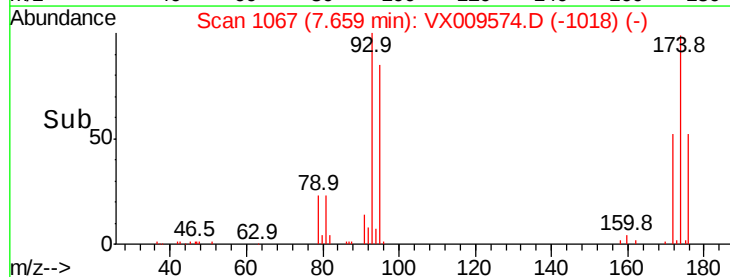
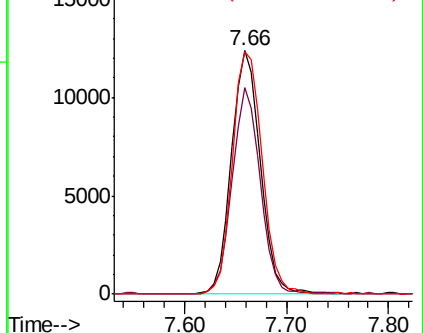
174 102.2 82.1 123.1

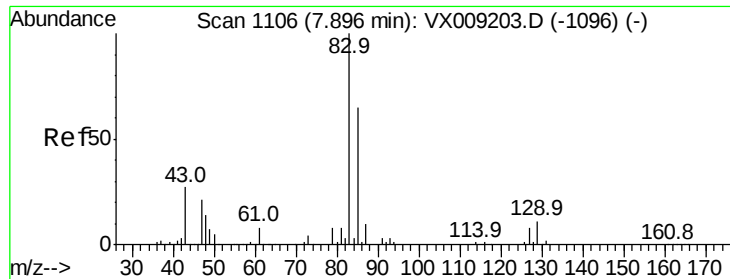


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.490 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009574.D

Acq: 15 May 2019 12:54

Instrument :

MSVOA_X

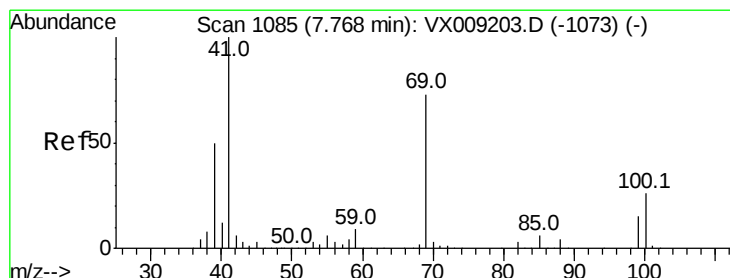
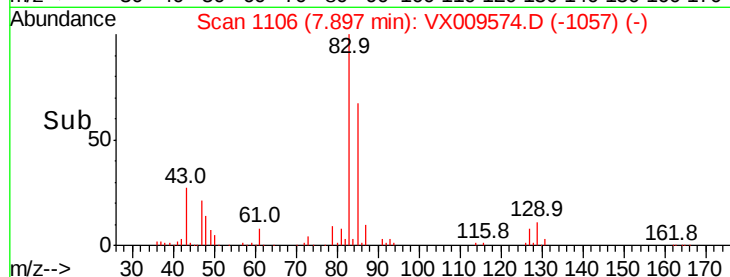
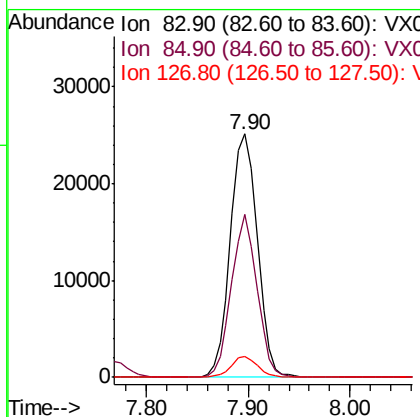
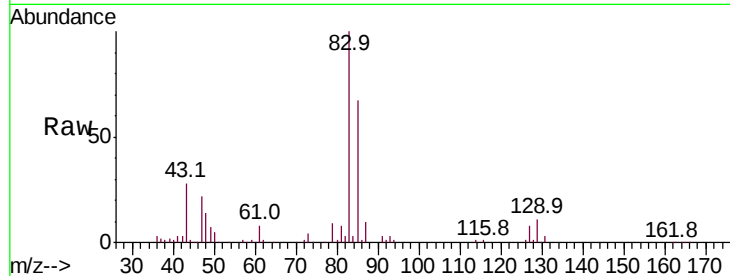
ClientSampleId :

VX0515WBS01

Tot Ion:	83	Resp:	46244
Ion	Ratio	Lower	Upper
83	100		
85	66.8	52.4	78.6
127	8.5	6.6	10.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.715 ug/l

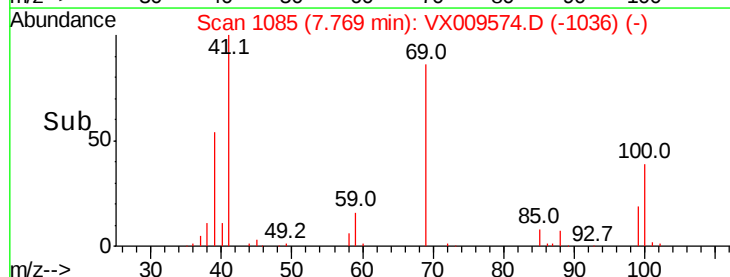
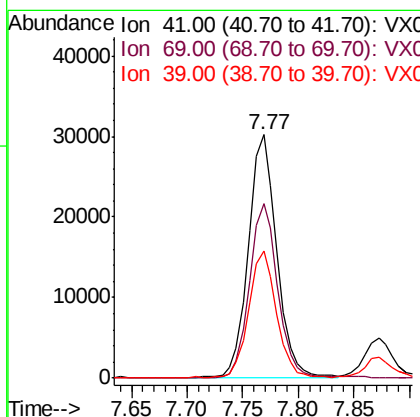
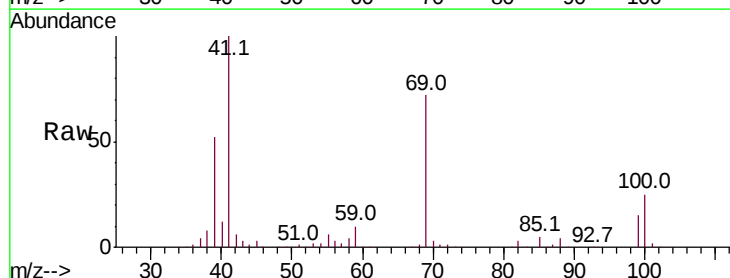
RT: 7.77 min Scan# 1085

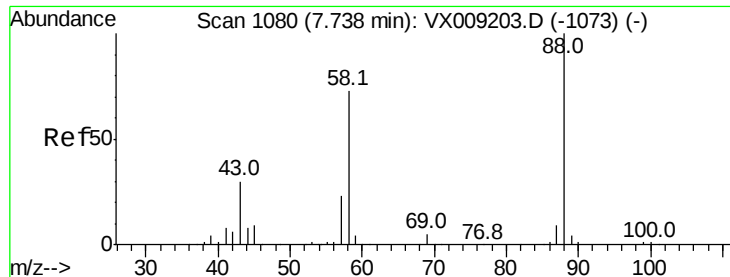
Delta R.T. 0.00 min

Lab File: VX009574.D

Acq: 15 May 2019 12:54

Tgt Ion:	41	Resp:	53381
Ion	Ratio	Lower	Upper
41	100		
69	72.7	59.1	88.7
39	51.1	40.4	60.6





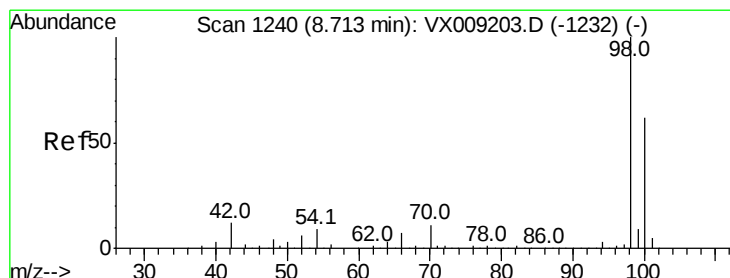
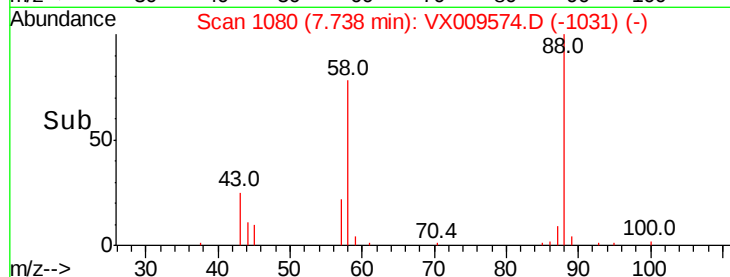
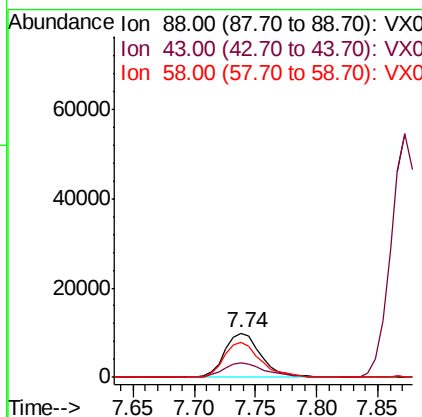
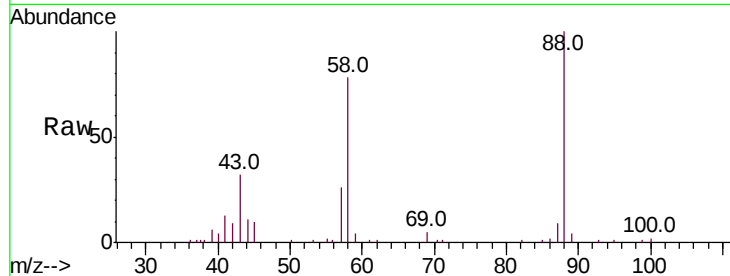
#49
 1,4-Dioxane
 Concen: 408.452 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. 0.00 min
 Lab File: VX009574.D
 Acq: 15 May 2019 12:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0515WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.2	28.6	42.8
58	80.2	61.7	92.5

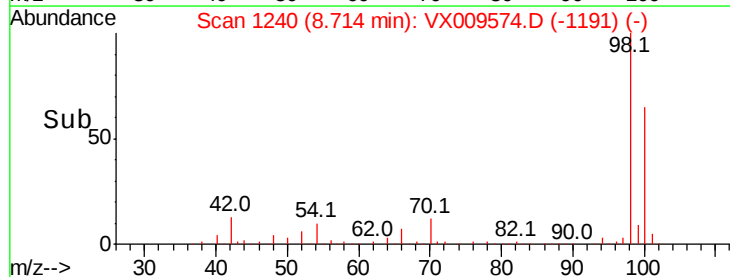
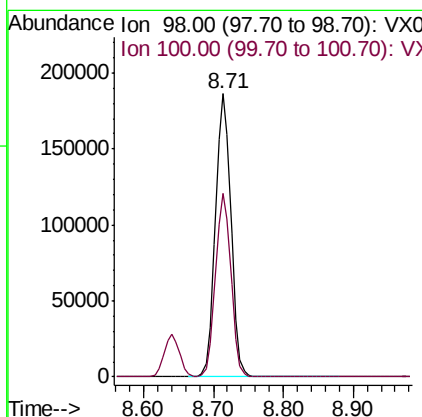
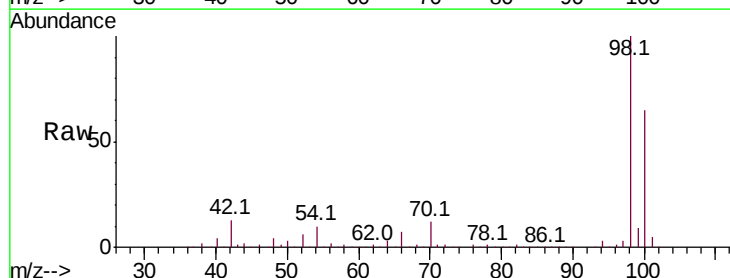
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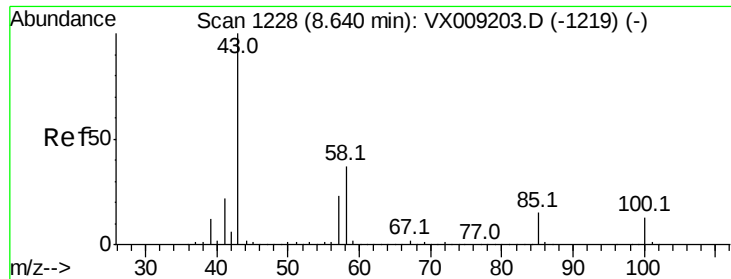
MMDadoda
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#50
 Toluene-d8
 Concen: 47.202 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX009574.D
 Acq: 15 May 2019 12:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 107.846 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009574.D

Acq: 15 May 2019 12:54

Instrument :

MSVOA_X

ClientSampled :

VX0515WBS01

Tot Ion: 43 Resp: 349280

Ion Ratio Lower Upper

43 100

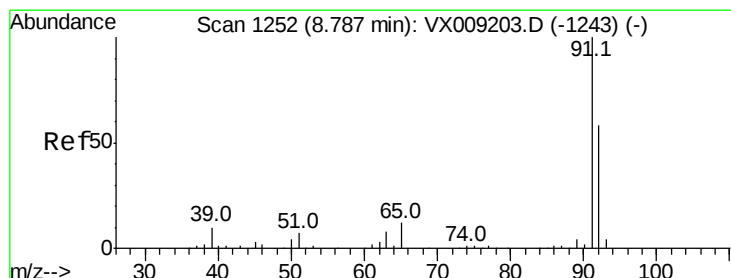
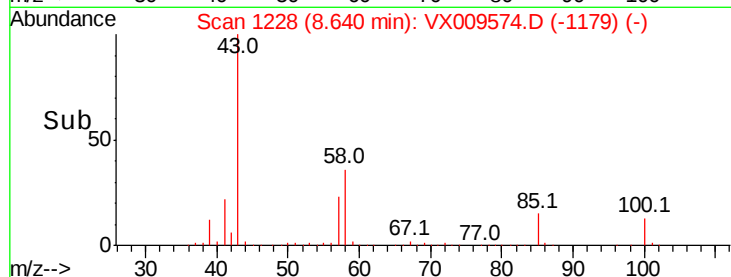
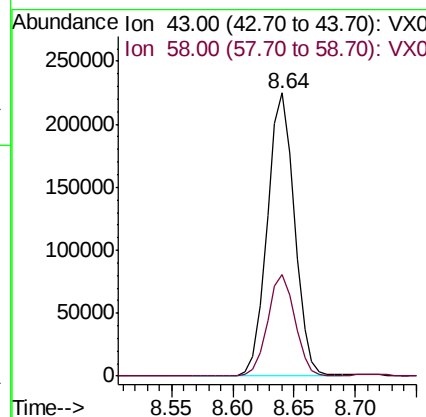
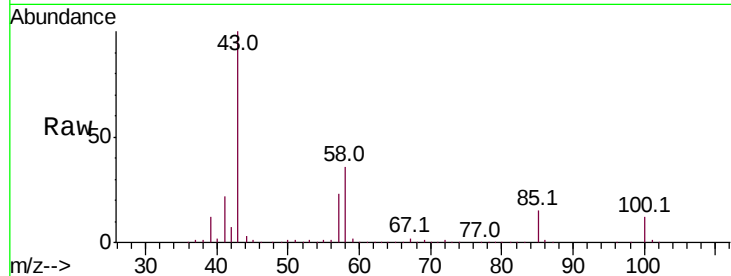
58 36.1 29.5 44.3

Manual Integrations

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#52

Toluene

Concen: 21.670 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009574.D

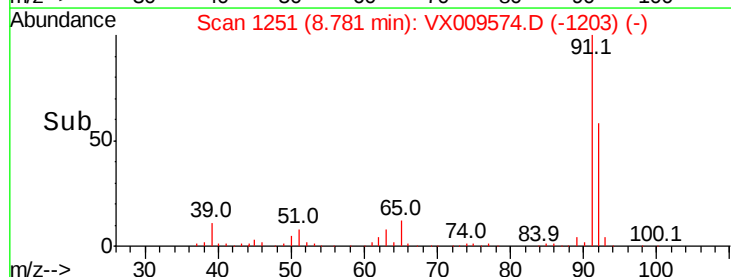
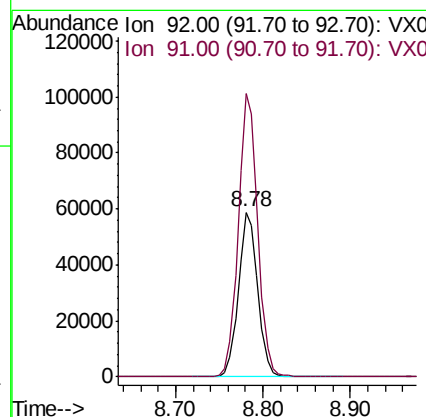
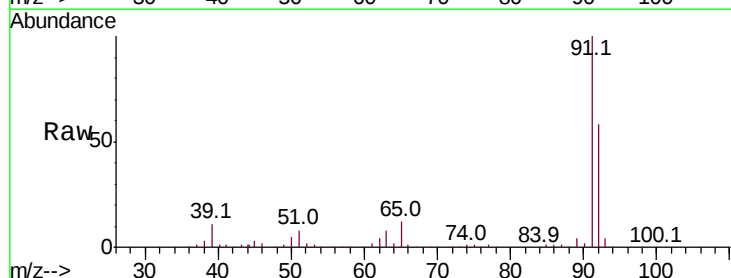
Acq: 15 May 2019 12:54

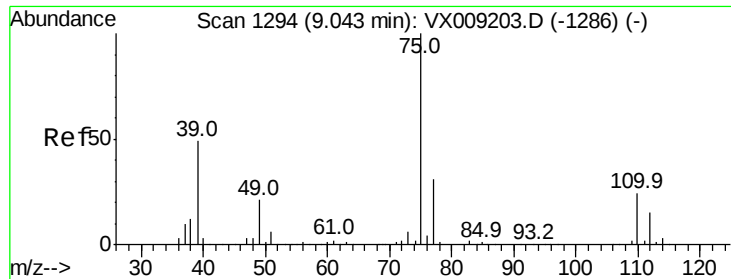
Tgt Ion: 92 Resp: 90638

Ion Ratio Lower Upper

92 100

91 173.1 138.8 208.2





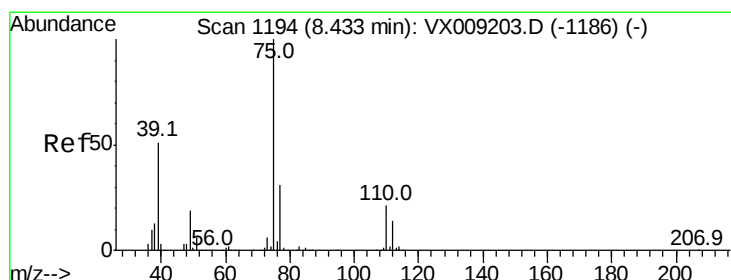
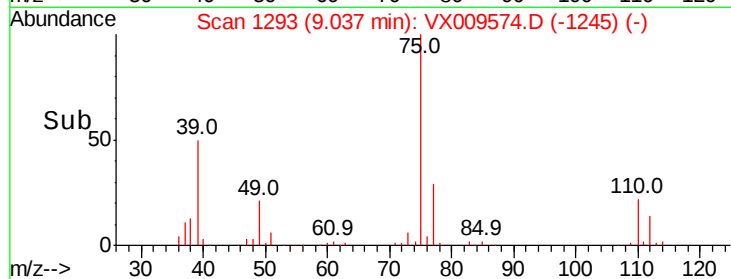
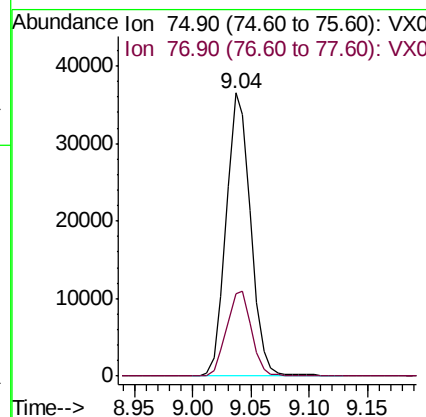
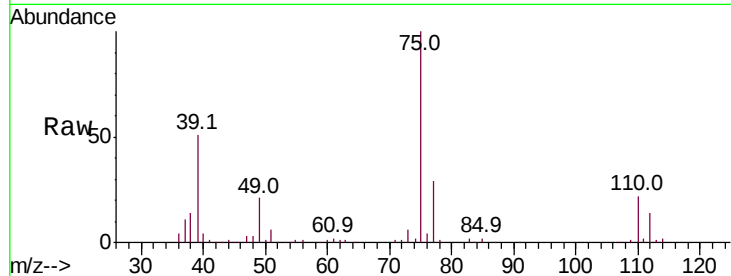
#53
 t-1,3-Dichloropropene
 Concen: 20.766 ug/l
 RT: 9.04 min Scan# 1293
 Delta R.T. -0.01 min
 Lab File: VX009574.D
 Acq: 15 May 2019 12:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0515WBS01

Tot Ion: 75 Resp: 52914
 Ion Ratio Lower Upper
 75 100
 77 29.2 25.0 37.6

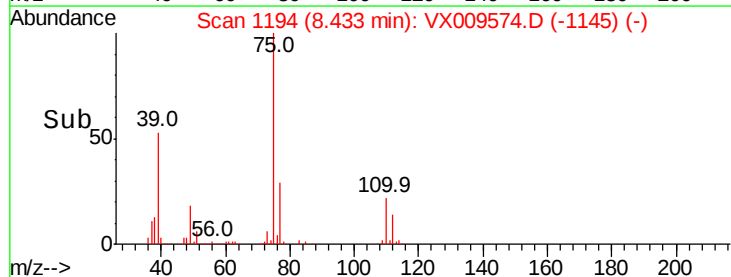
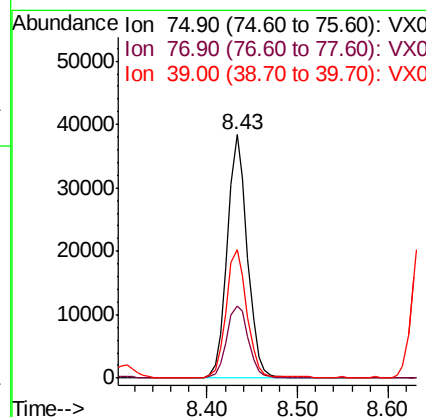
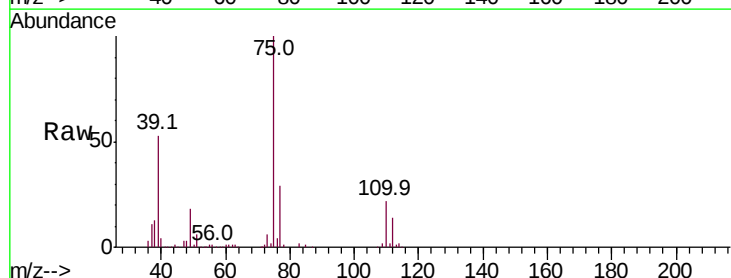
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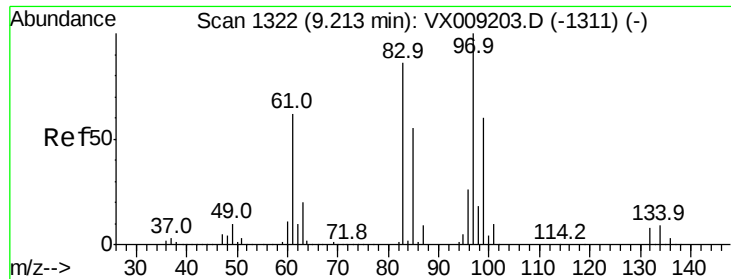
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#54
 cis-1,3-Dichloropropene
 Concen: 21.055 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX009574.D
 Acq: 15 May 2019 12:54

Tgt Ion: 75 Resp: 59381
 Ion Ratio Lower Upper
 75 100
 77 29.5 24.6 36.8
 39 52.7 40.6 60.8





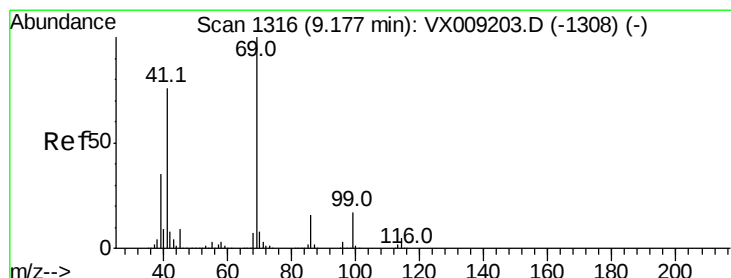
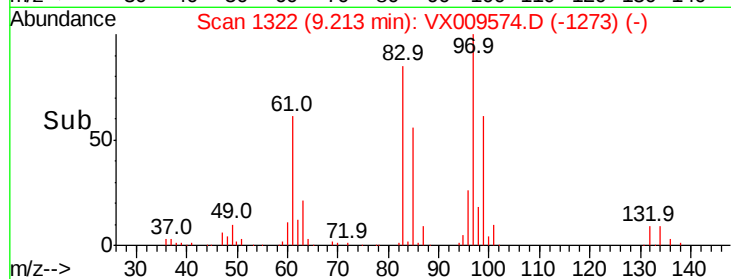
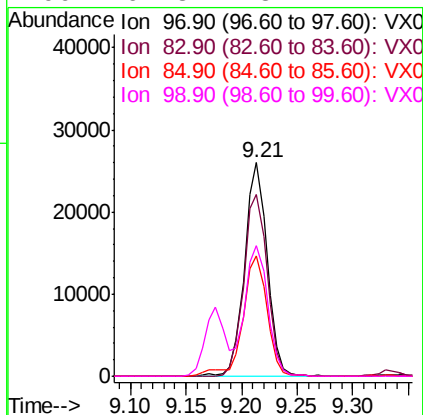
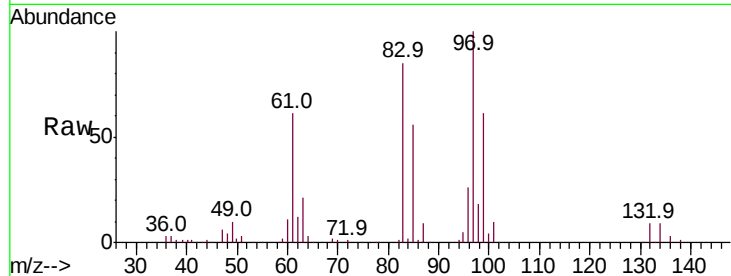
#55
 1,1,2-Trichloroethane
 Concen: 21.605 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009574.D
 Acq: 15 May 2019 12:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0515WBS01

Tot Ion	Ratio	Resp	Lower	Upper
97	100	36867		
83	85.1	68.9	103.3	
85	56.2	43.8	65.6	
99	61.3	48.2	72.2	

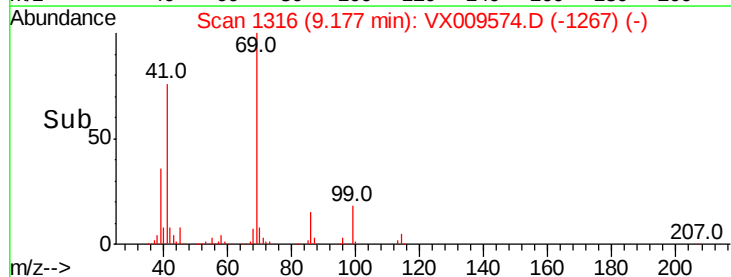
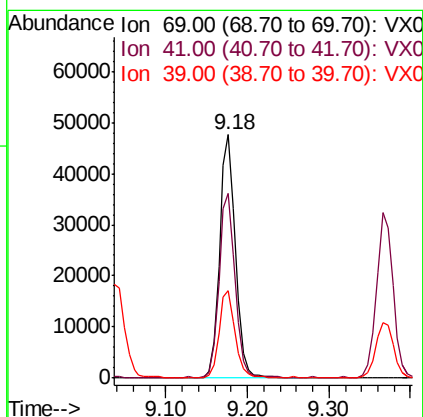
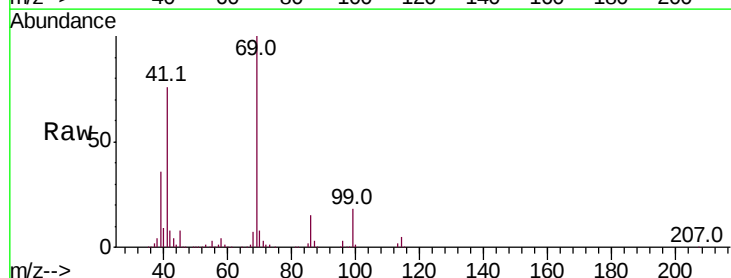
Manual Integrations
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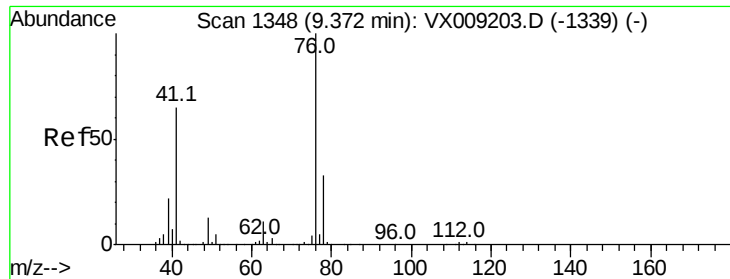
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#56
 Ethyl methacrylate
 Concen: 21.291 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009574.D
 Acq: 15 May 2019 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	64854		
41	76.8	60.6	90.8	
39	36.1	28.2	42.4	





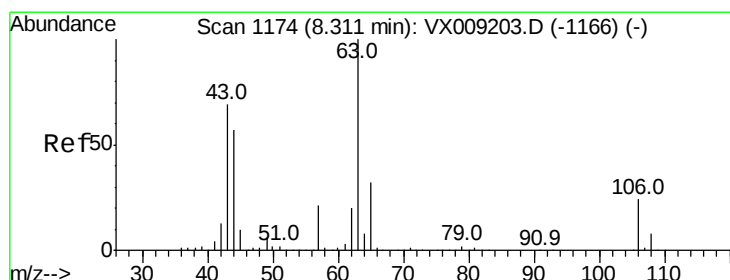
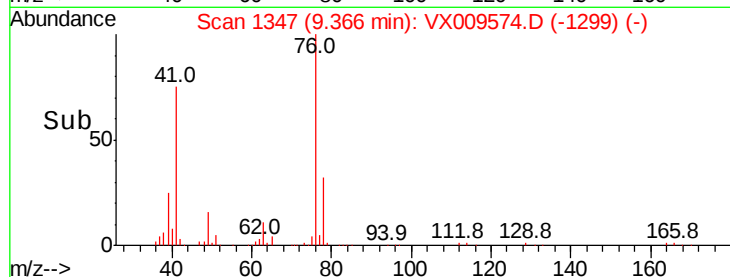
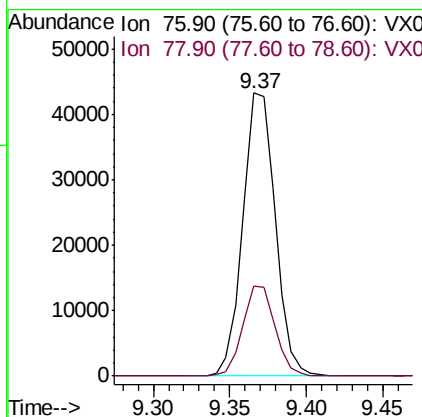
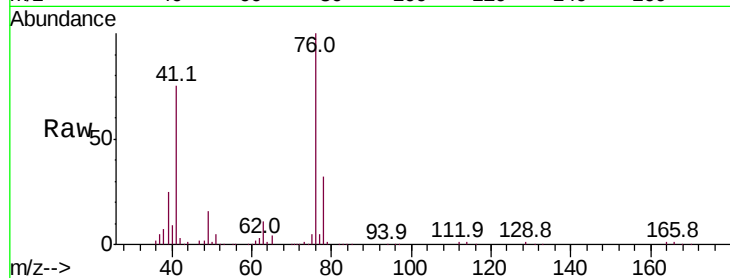
#57
 1,3-Dichloropropane
 Concen: 21.333 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VX009574.D
 Acq: 15 May 2019 12:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0515WBS01

Tot Ion: 76 Resp: 64061
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.5 38.3

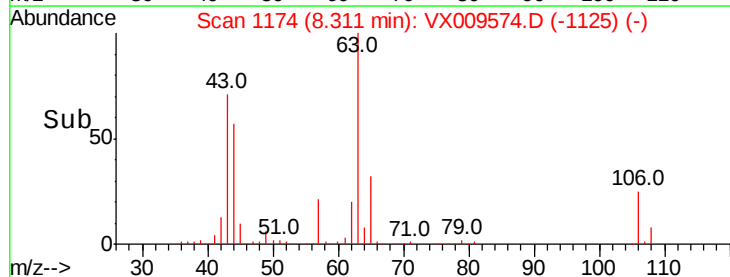
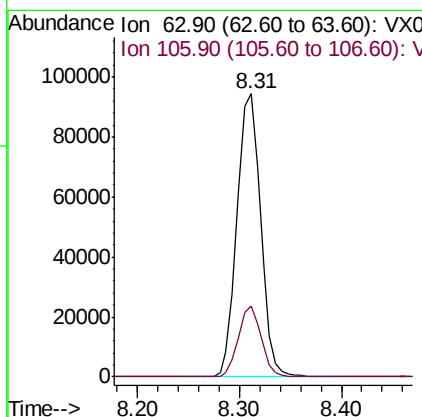
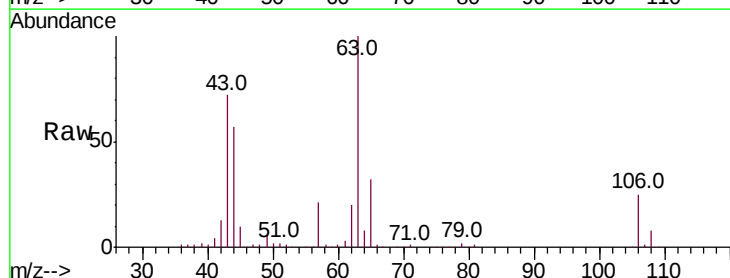
Manual Integrations
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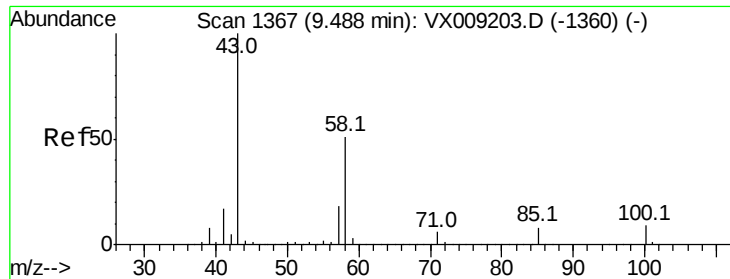
MMDadoda
 5/16/2019 12:32:39 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.824 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX009574.D
 Acq: 15 May 2019 12:54

Tgt Ion: 63 Resp: 151611
 Ion Ratio Lower Upper
 63 100
 106 24.2 19.7 29.5





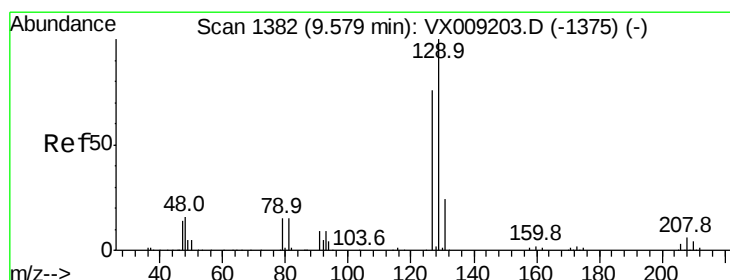
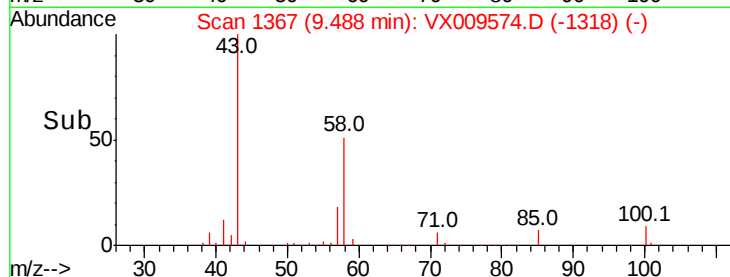
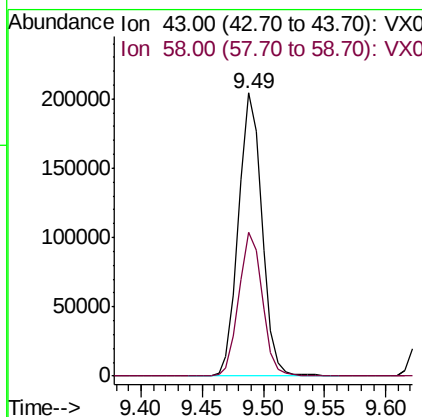
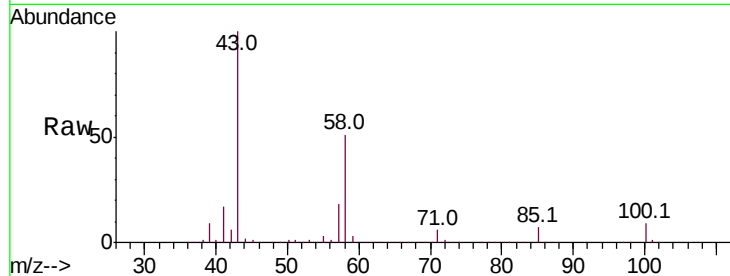
#59
2-Hexanone
Concen: 105.929 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009574.D
Acq: 15 May 2019 12:54

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tot Ion: 43 Resp: 269444
Ion Ratio Lower Upper
43 100
58 51.2 25.9 77.7

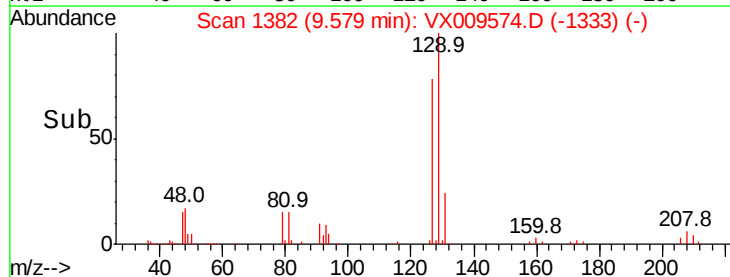
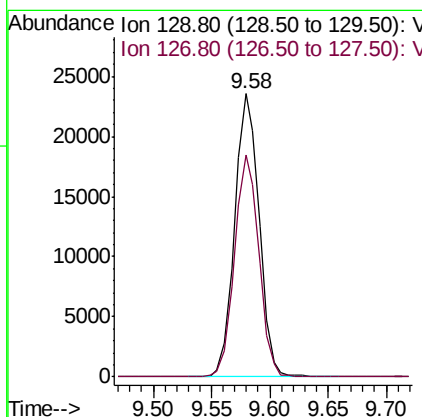
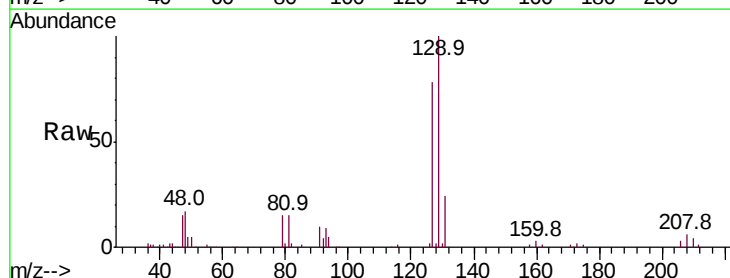
Manual Integrations
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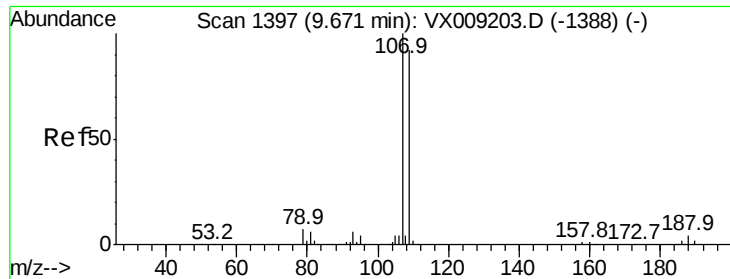
MMDadoda
5/16/2019 12:32:39 PM



#60
Dibromochloromethane
Concen: 20.663 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009574.D
Acq: 15 May 2019 12:54

Tgt Ion: 129 Resp: 34437
Ion Ratio Lower Upper
129 100
127 78.0 38.4 115.1





#61

1,2-Dibromoethane

Concen: 21.430 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009574.D

Acq: 15 May 2019 12:54

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBS01

Tot Ion: 107 Resp: 36913

Ion Ratio Lower Upper

107 100

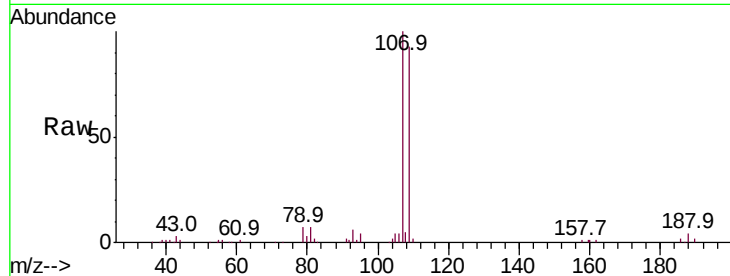
109 93.8 75.2 112.8

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

25000

20000

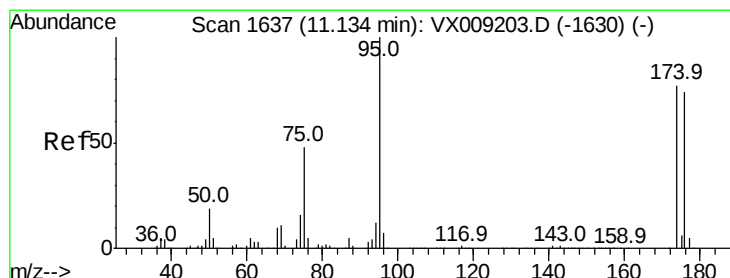
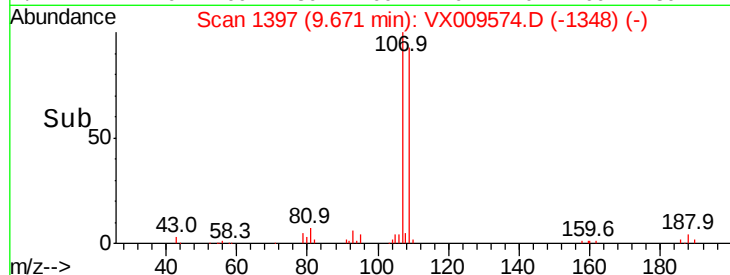
15000

10000

5000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.126 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009574.D

Acq: 15 May 2019 12:54

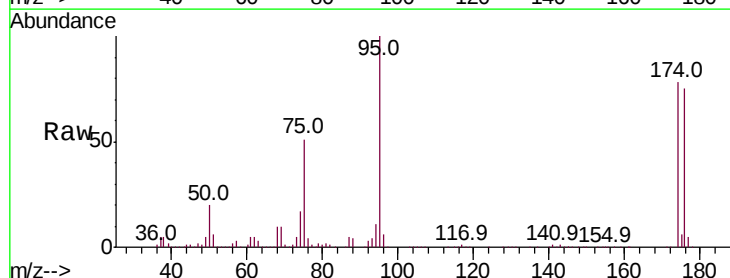
Tgt Ion: 95 Resp: 103976

Ion Ratio Lower Upper

95 100

174 82.7 0.0 161.6

176 80.6 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

100000

80000

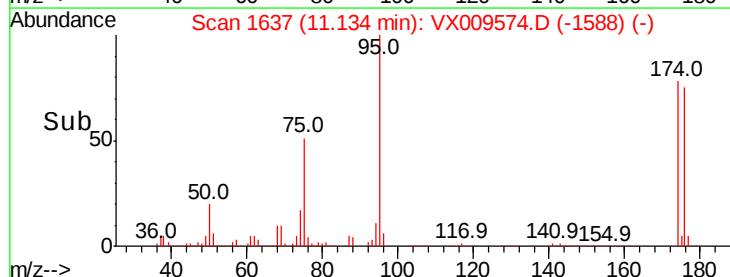
60000

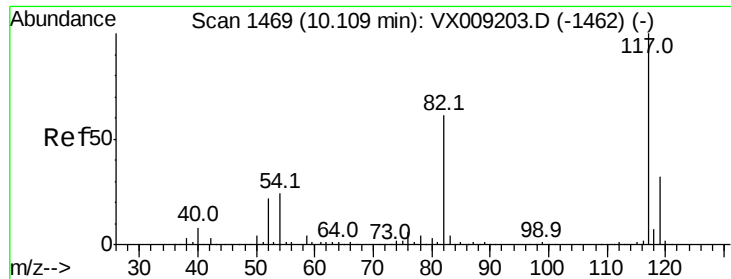
40000

20000

0

Time-->





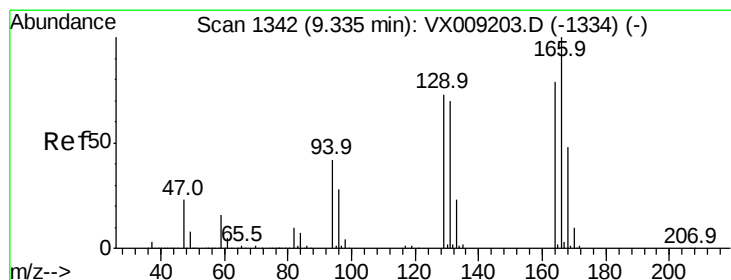
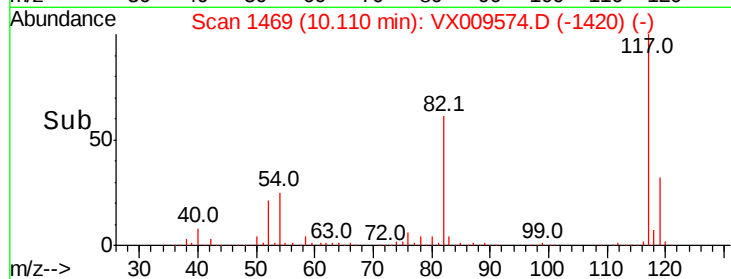
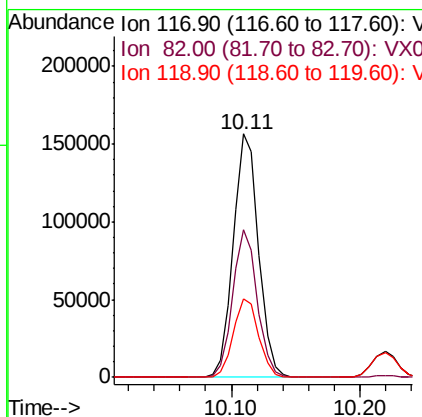
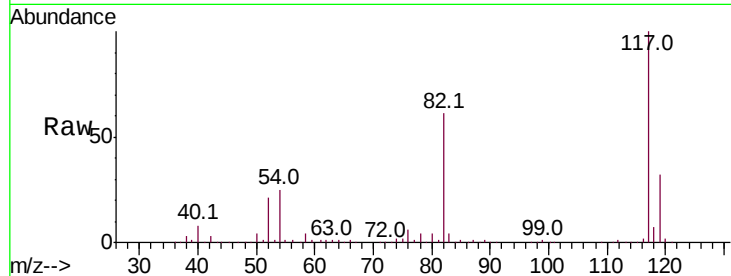
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009574.D
Acq: 15 May 2019 12:54

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	213991		
82	60.7	48.8	73.2	
119	32.4	25.8	38.6	

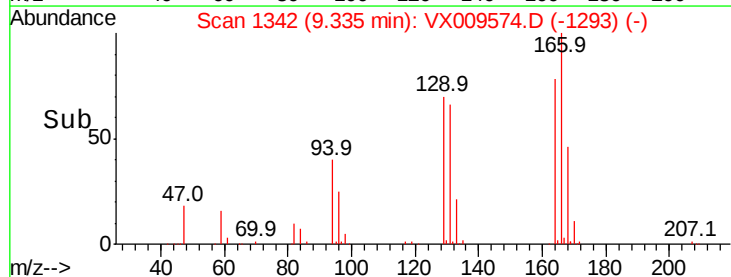
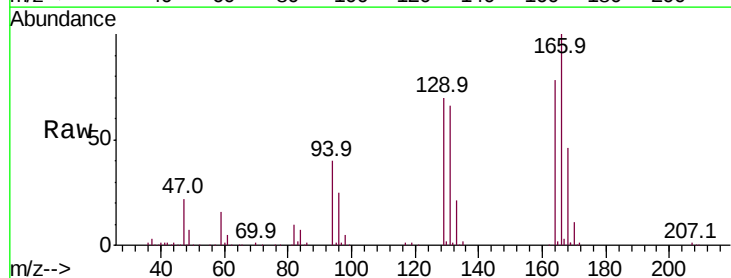
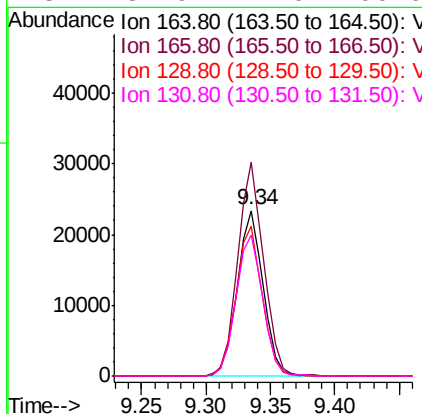
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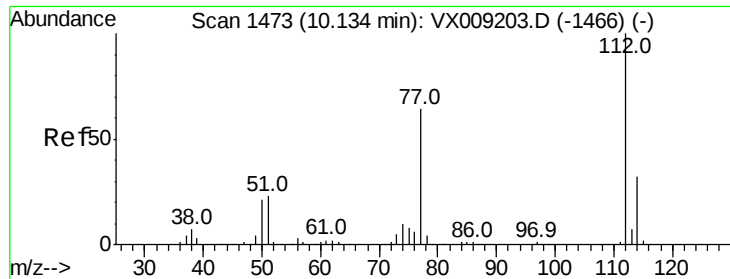
MMDadoda
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#64
Tetrachloroethene
Concen: 22.261 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009574.D
Acq: 15 May 2019 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	32676		
166	129.0	101.2	151.8	
129	90.4	74.3	111.5	
131	84.9	71.0	106.6	





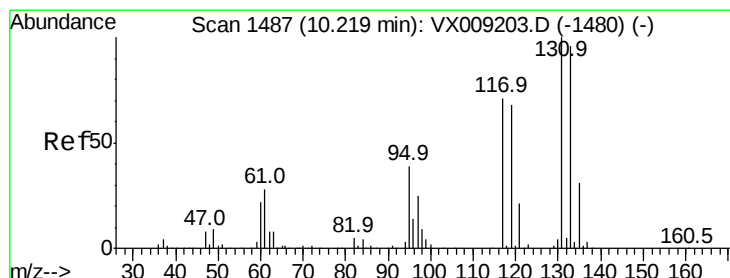
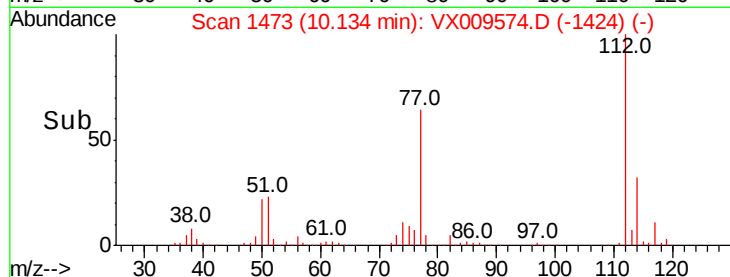
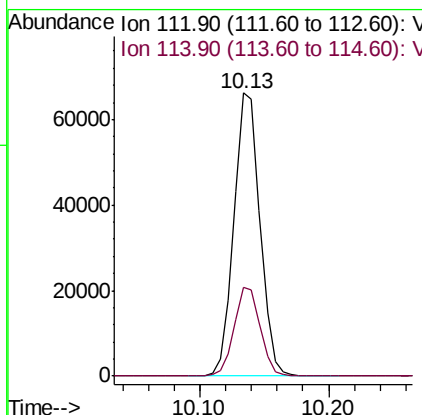
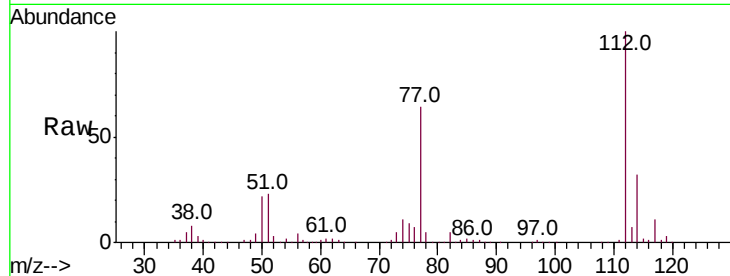
#65
Chlorobenzene
Concen: 21.847 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX009574.D
Acq: 15 May 2019 12:54

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tot Ion:112 Resp: 93521
Ion Ratio Lower Upper
112 100
114 31.5 25.5 38.3

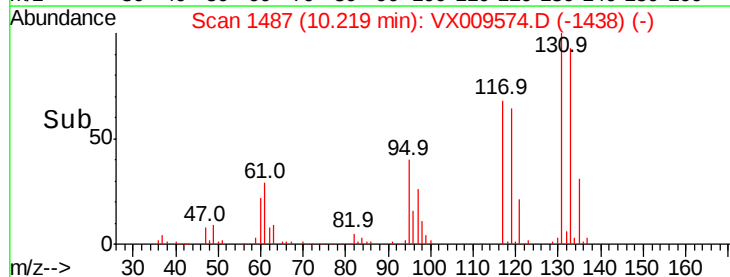
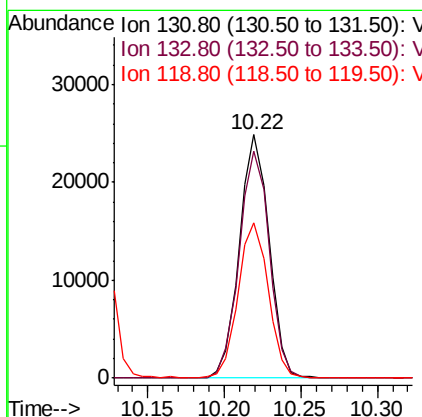
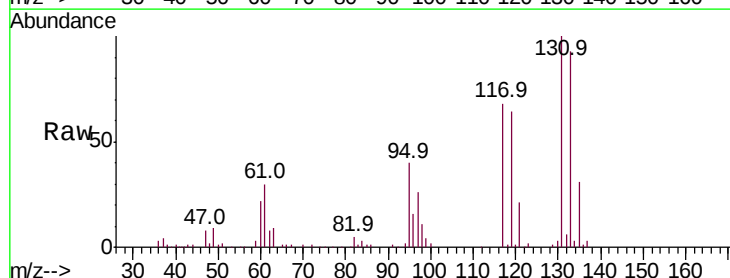
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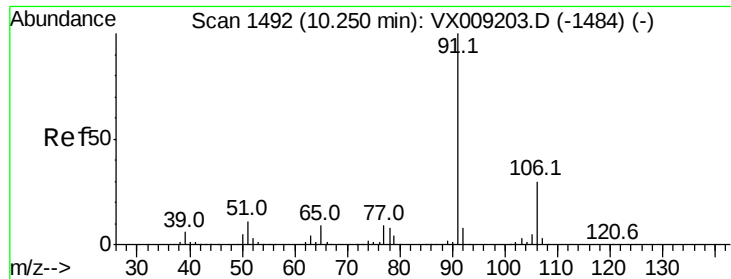
MMDadoda
5/16/2019 12:32:39 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.642 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX009574.D
Acq: 15 May 2019 12:54

Tgt Ion:131 Resp: 33588
Ion Ratio Lower Upper
131 100
133 94.8 47.7 143.1
119 64.8 33.5 100.4





#67

Ethyl Benzene

Concen: 21.780 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX009574.D

Acq: 15 May 2019 12:54

Instrument :

MSVOA_X

ClientSampled :

VX0515WBS01

Tot Ion: 91 Resp: 171586

Ion Ratio Lower Upper

91 100

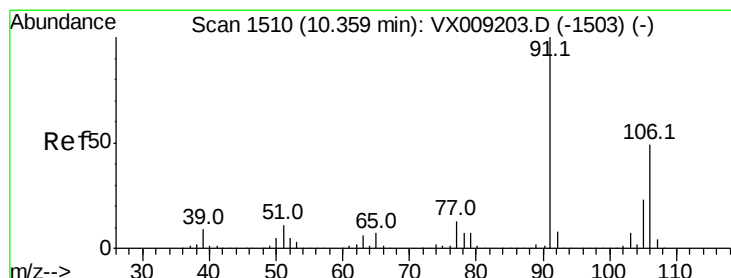
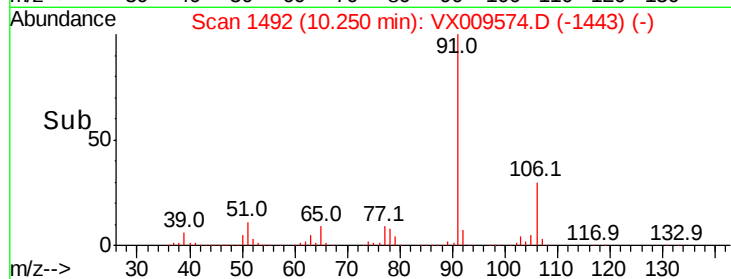
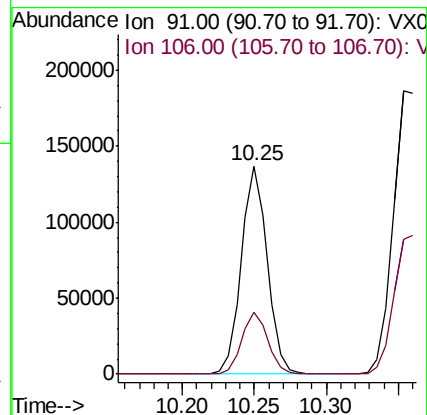
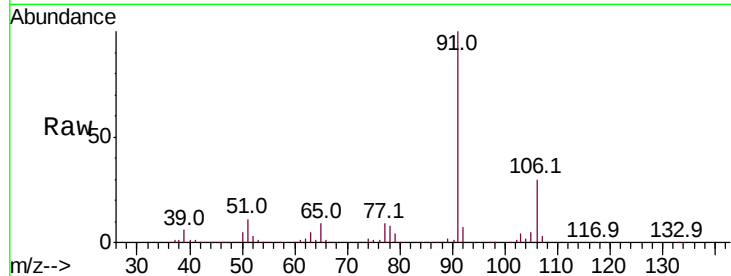
106 29.7 24.0 36.0

Manual Integrations

APPROVED

MMDadoda

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#68

m/p-Xylenes

Concen: 43.864 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX009574.D

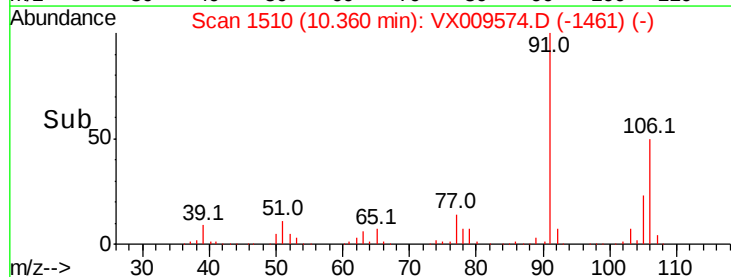
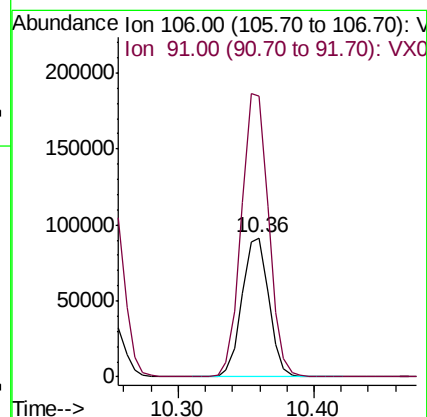
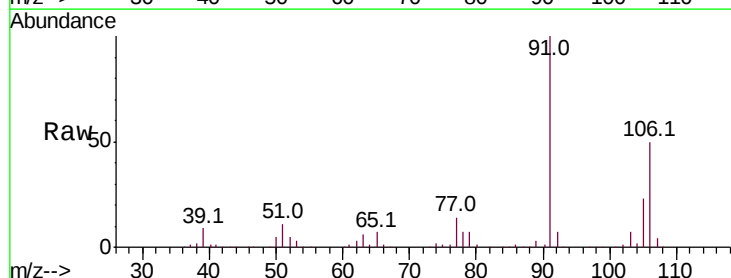
Acq: 15 May 2019 12:54

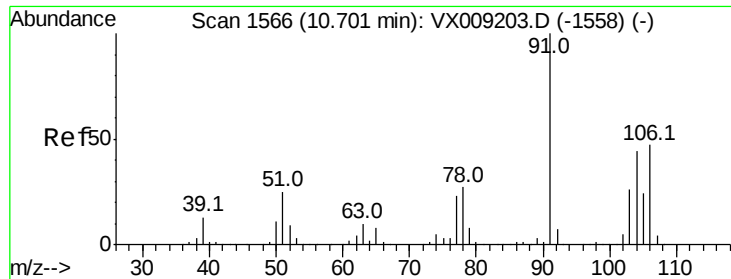
Tgt Ion: 106 Resp: 126282

Ion Ratio Lower Upper

106 100

91 206.1 164.0 246.0





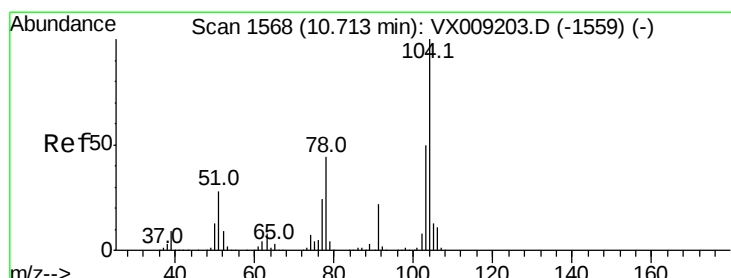
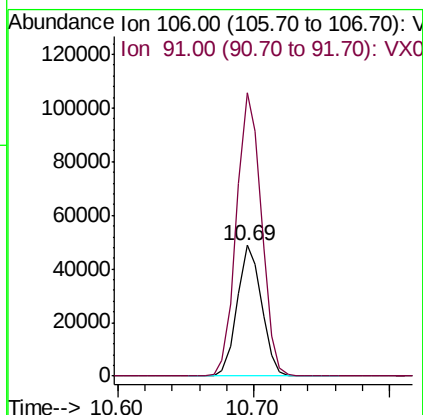
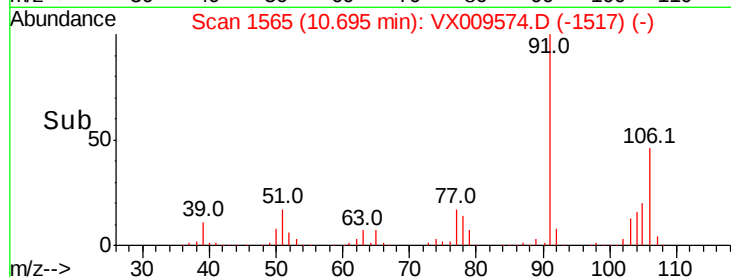
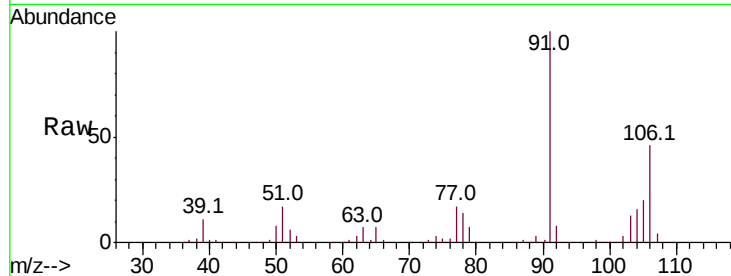
#69
o-Xylene
Concen: 21.634 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009574.D
Acq: 15 May 2019 12:54

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tot Ion:106 Resp: 61452
Ion Ratio Lower Upper
106 100
91 220.3 109.5 328.4

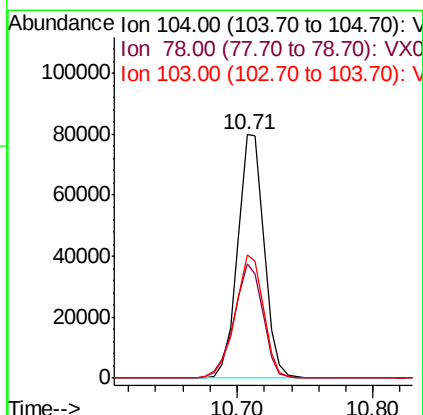
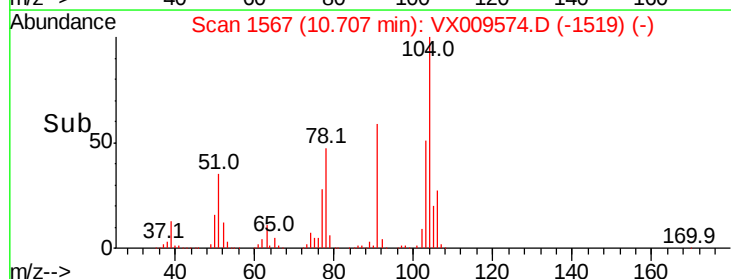
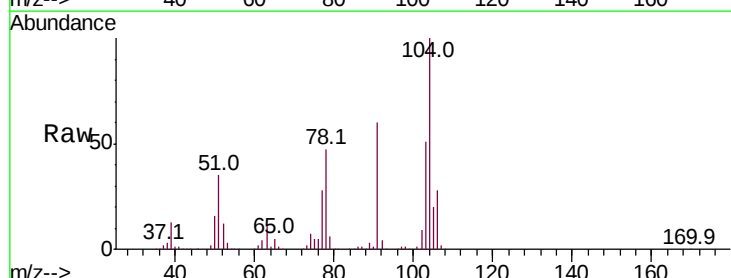
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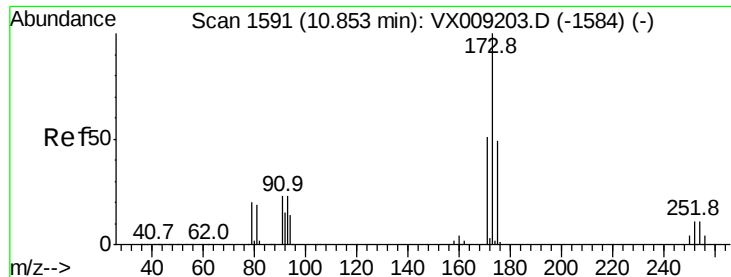
MMDadoda
5/16/2019 12:32:39 PM



#70
Styrene
Concen: 21.848 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX009574.D
Acq: 15 May 2019 12:54

Tgt Ion:104 Resp: 107866
Ion Ratio Lower Upper
104 100
78 51.4 41.0 61.4
103 54.3 43.8 65.6





#71

Bromoform

Concen: 20.185 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009574.D

Acq: 15 May 2019 12:54

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBS01

Tot Ion:173 Resp: 25457

Ion Ratio Lower Upper

173 100

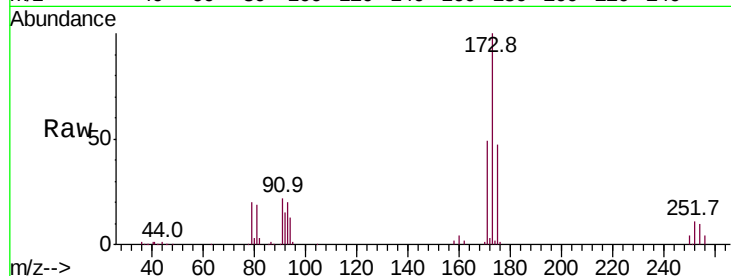
175 47.8 24.5 73.5

254 0.0 0.1 0.1#

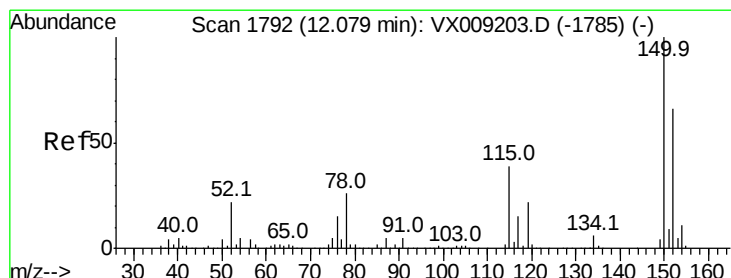
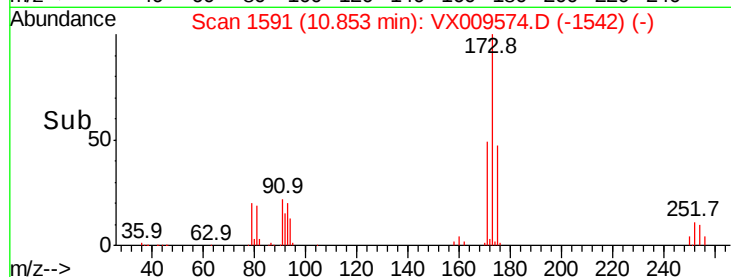
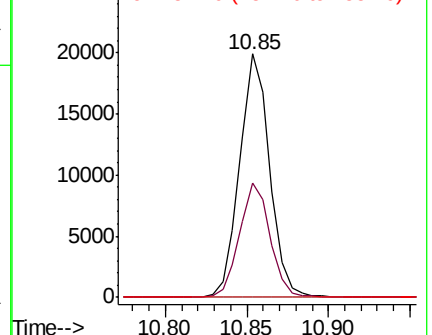
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009574.D

Acq: 15 May 2019 12:54

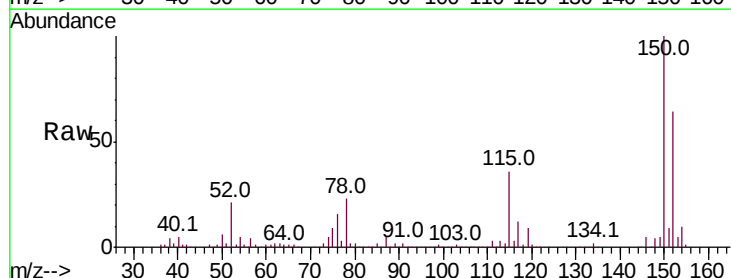
Tgt Ion:152 Resp: 104748

Ion Ratio Lower Upper

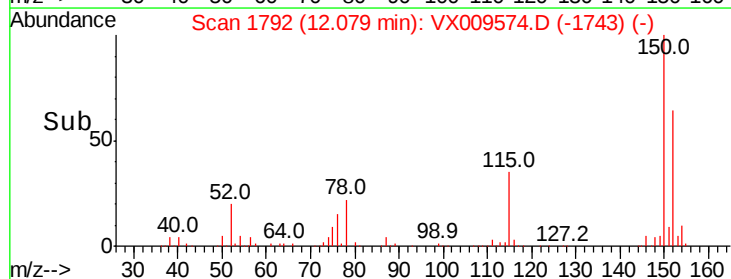
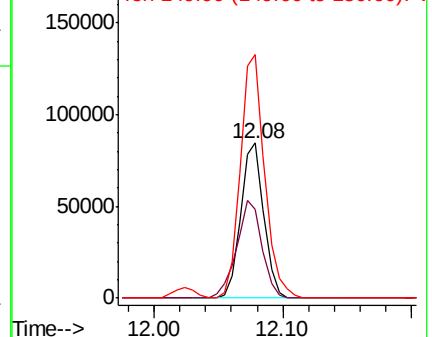
152 100

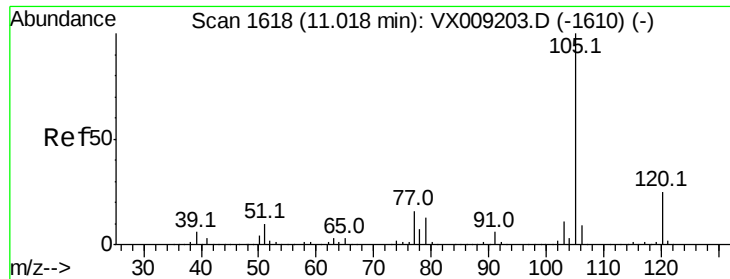
115 69.3 41.2 123.6

150 166.0 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: 21.527 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009574.D

Acq: 15 May 2019 12:54

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBS01

Tot Ion:105 Resp: 163974

Ion Ratio Lower Upper

105 100

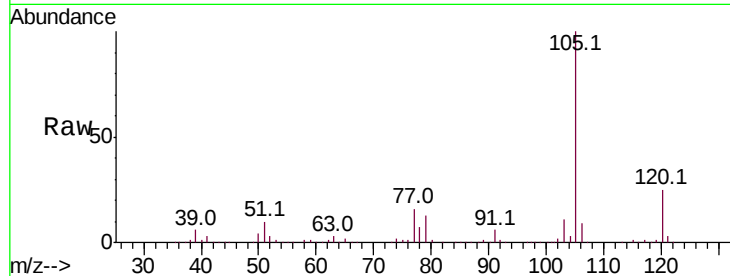
120 25.9 12.8 38.3

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

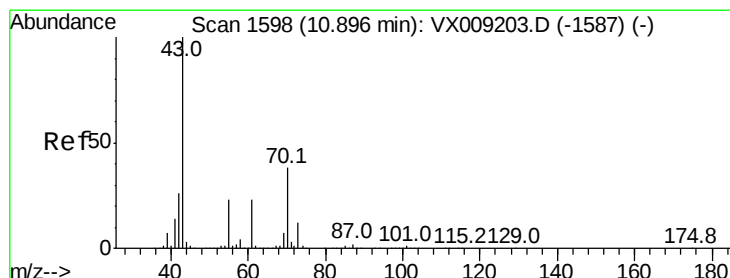
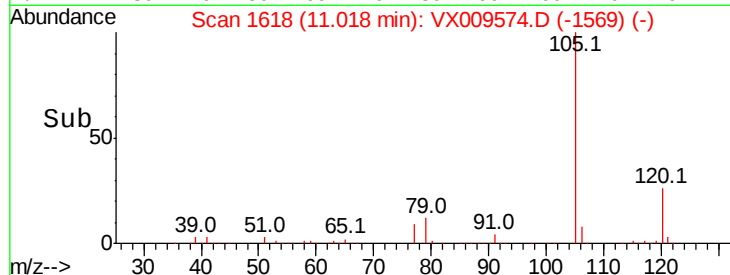
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 21.008 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009574.D

Acq: 15 May 2019 12:54

Tgt Ion: 43 Resp: 93296

Ion Ratio Lower Upper

43 100

70 36.9 30.0 45.0

55 23.2 17.9 26.9

61 22.5 18.4 27.6

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

120000

100000

80000

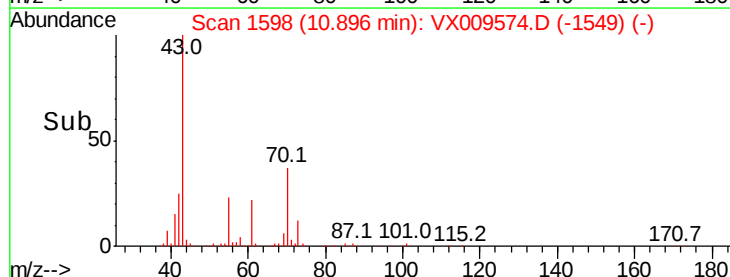
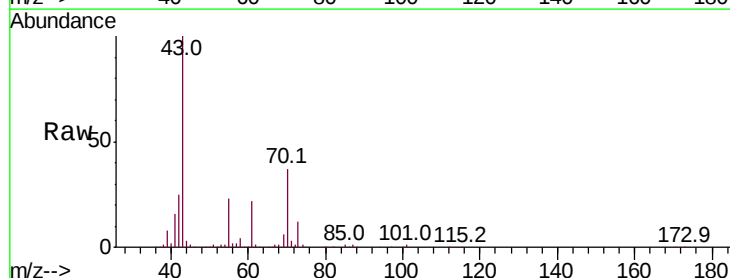
60000

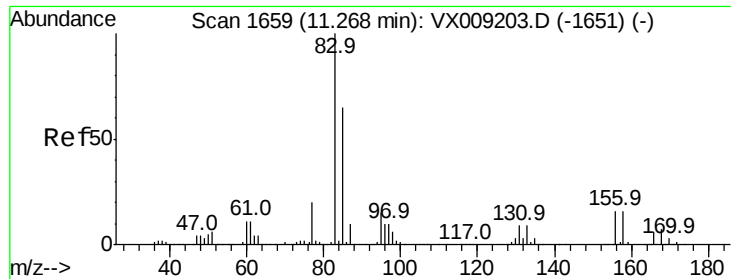
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.030 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009574.D

Acq: 15 May 2019 12:54

Instrument :

MSVOA_X

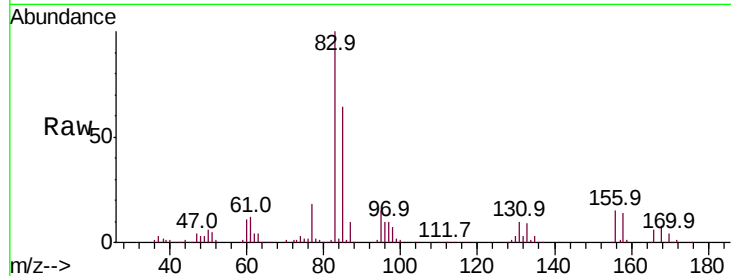
ClientSampleId :

VX0515WBS01

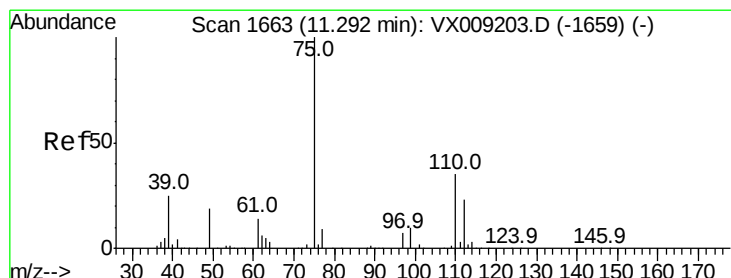
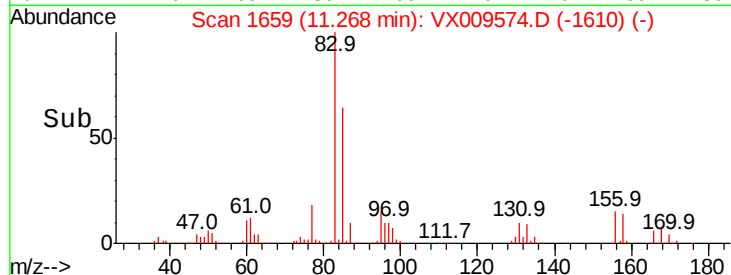
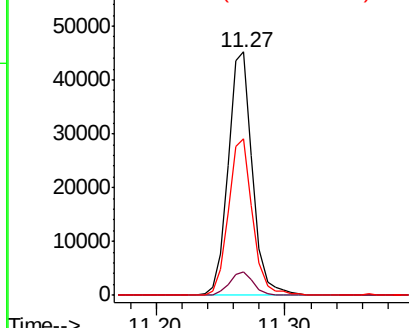
Tot Ion:	83	Resp:	59717
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.6	13.8
85	64.4	32.0	96.2

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 21.544 ug/l m

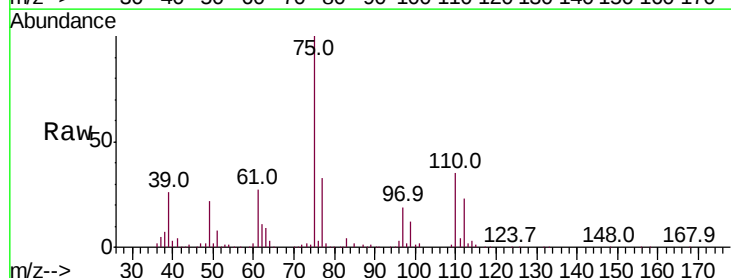
RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

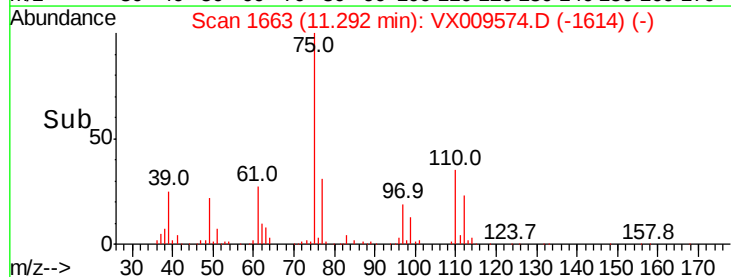
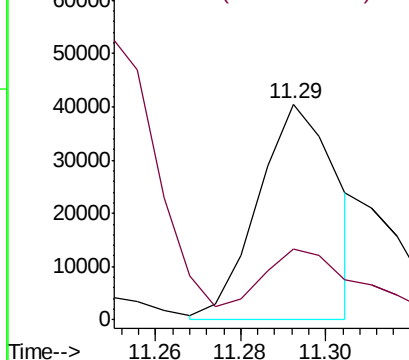
Lab File: VX009574.D

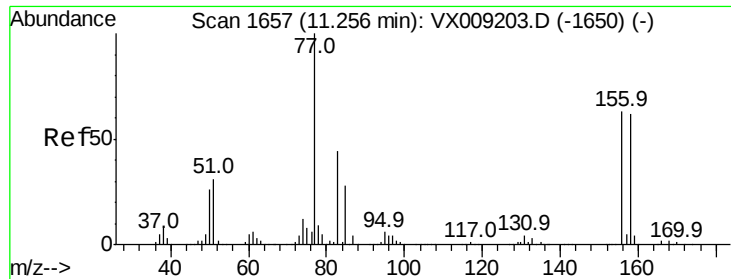
Acq: 15 May 2019 12:54

Tgt Ion:	75	Resp:	52346
Ion Ratio	Lower	Upper	
75	100		
77	42.1	22.1	66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





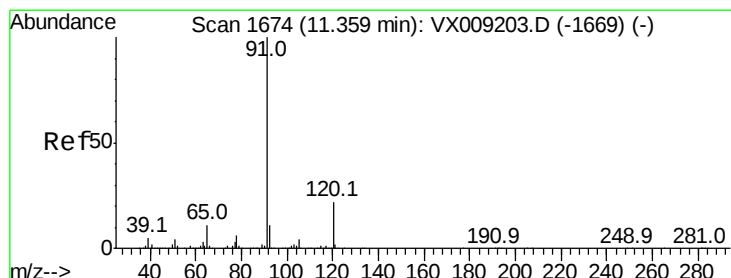
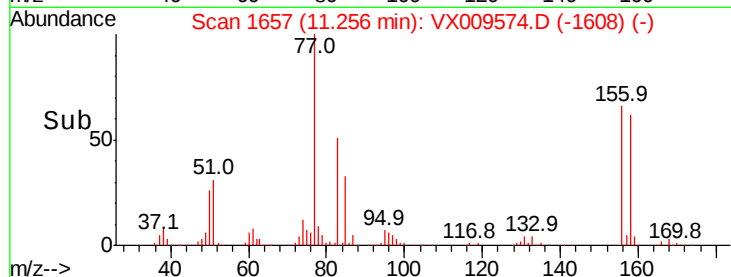
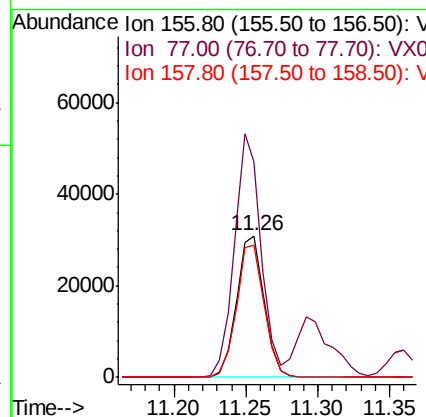
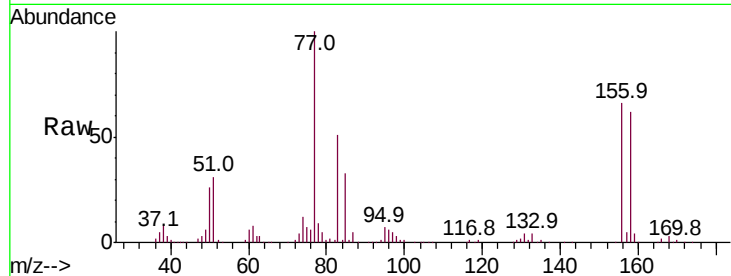
#77
Bromobenzene
Concen: 21.793 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VX009574.D
Acq: 15 May 2019 12:54

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	167.1	84.8	254.3
158	94.6	49.1	147.3

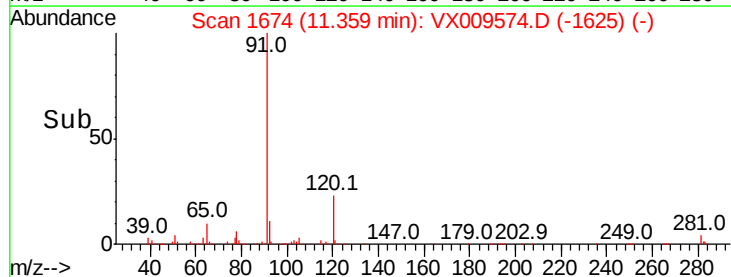
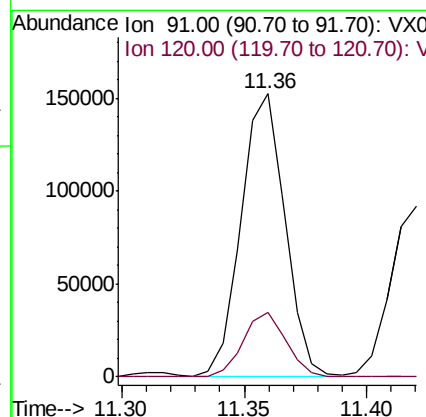
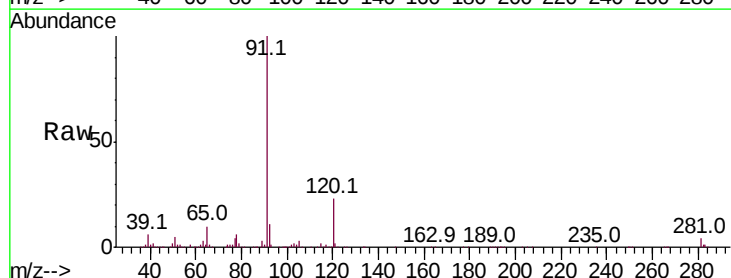
Manual Integrations
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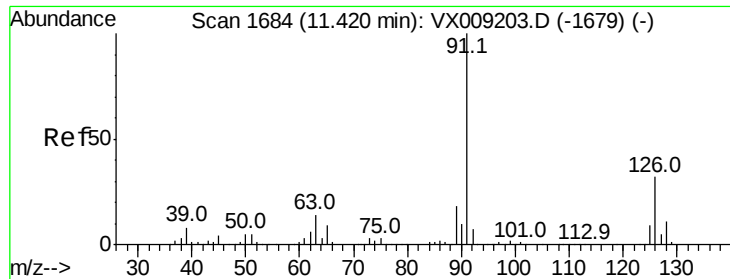
MMDadoda
5/16/2019 12:32:39 PM



#78
n-propylbenzene
Concen: 21.724 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VX009574.D
Acq: 15 May 2019 12:54

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.0	33.0





#79

2-Chlorotoluene

Concen: 21.084 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009574.D

Acq: 15 May 2019 12:54

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBS01

Tot Ion: 91 Resp: 113159

Ion Ratio Lower Upper

91 100

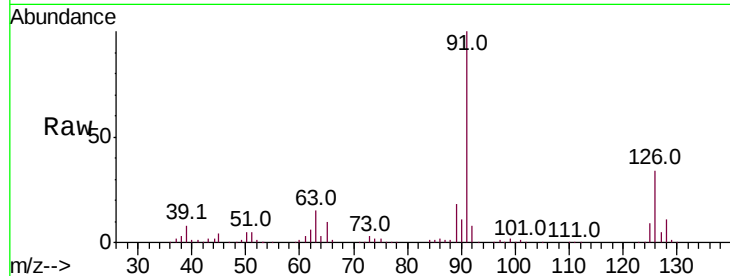
126 33.2 16.3 48.9

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX009574.D (-1635) (-)

Ion 125.90 (125.60 to 126.60): VX009574.D (-1635) (-)

150000

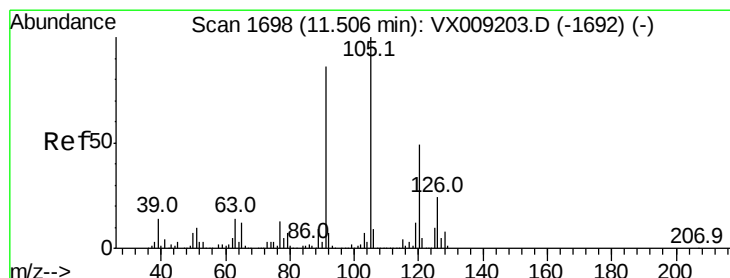
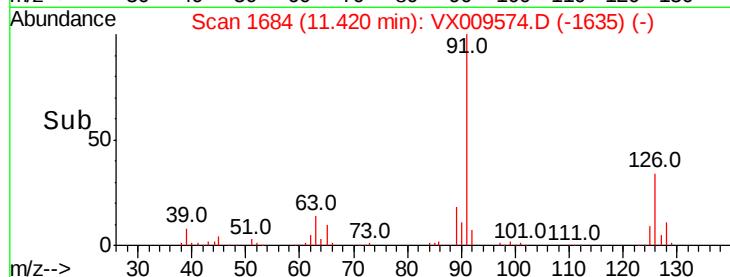
100000

50000

0

11.40 11.42 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.702 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009574.D

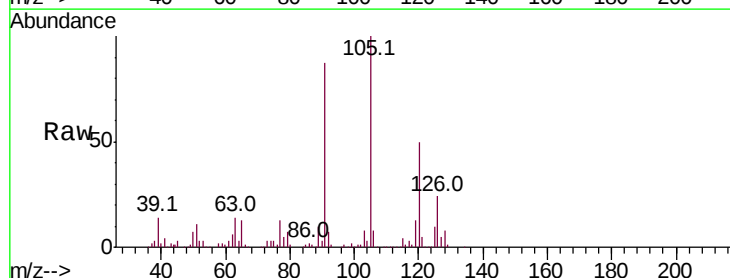
Acq: 15 May 2019 12:54

Tgt Ion: 105 Resp: 139187

Ion Ratio Lower Upper

105 100

120 48.4 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VX009574.D (-1649) (-)

Ion 120.00 (119.70 to 120.70): VX009574.D (-1649) (-)

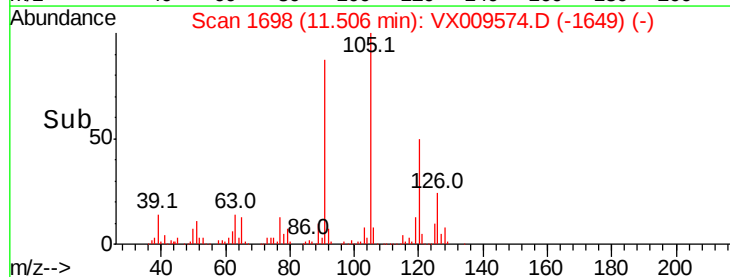
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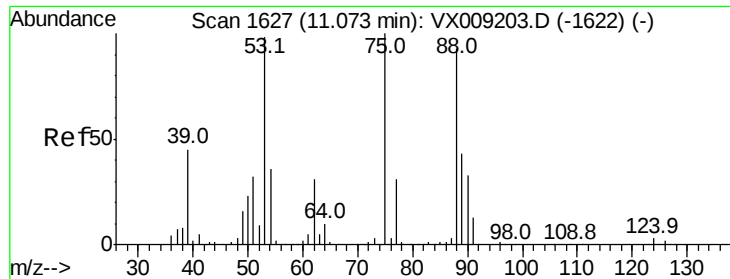
50000

0

11.50 11.51 11.60

Time-->





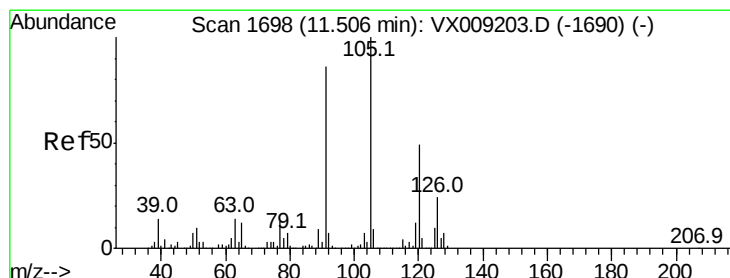
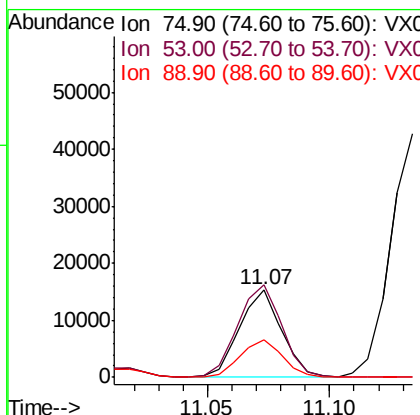
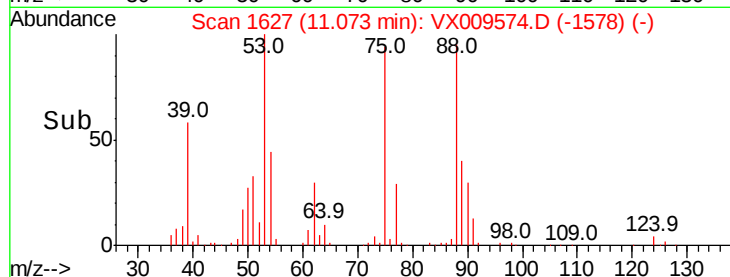
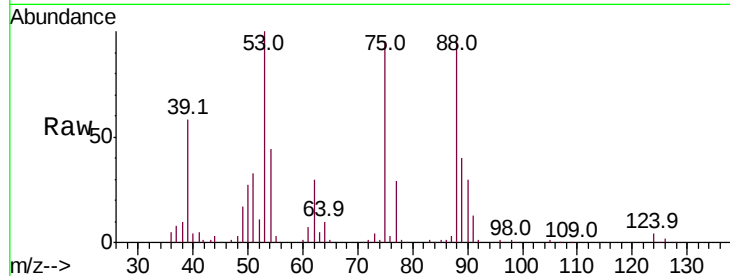
#81
trans-1,4-Dichloro-2-butene
Concen: 19.484 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX009574.D
Acq: 15 May 2019 12:54

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tot Ion: 75 Resp: 18503
Ion Ratio Lower Upper
75 100
53 110.2 79.0 118.6
89 43.6 34.7 52.1

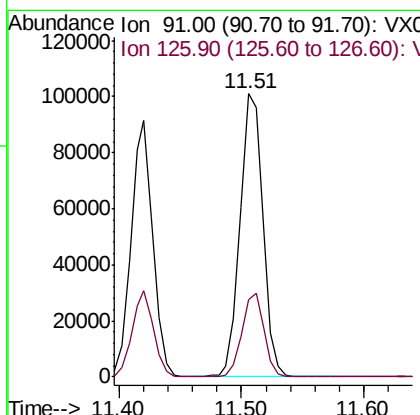
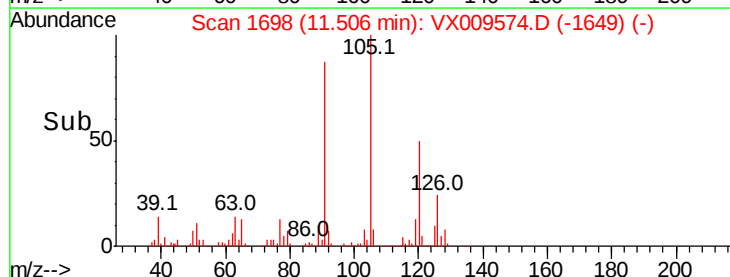
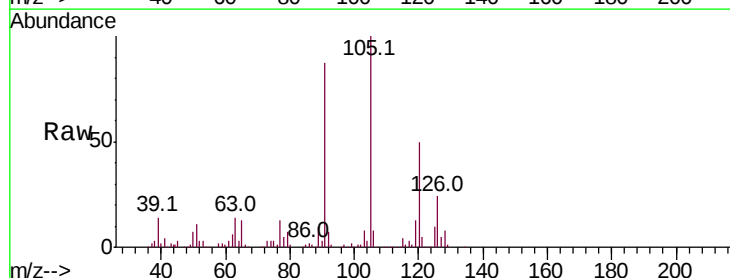
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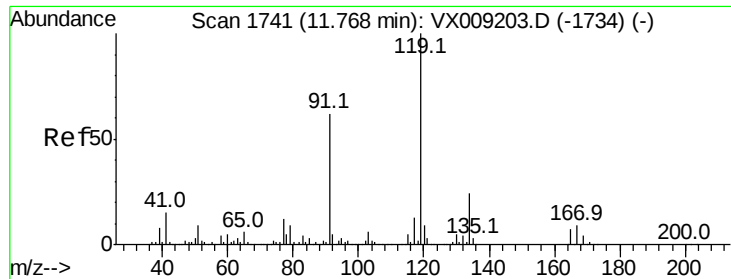
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#82
4-Chlorotoluene
Concen: 21.449 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX009574.D
Acq: 15 May 2019 12:54

Tgt Ion: 91 Resp: 130050
Ion Ratio Lower Upper
91 100
126 28.8 14.5 43.6





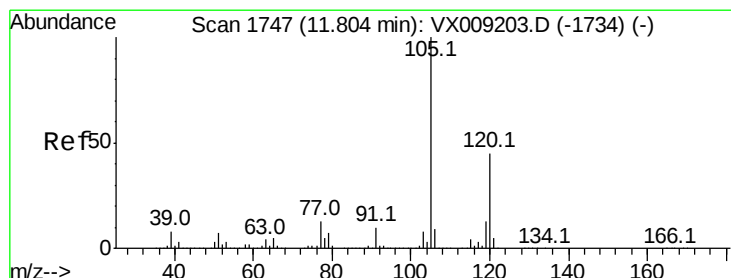
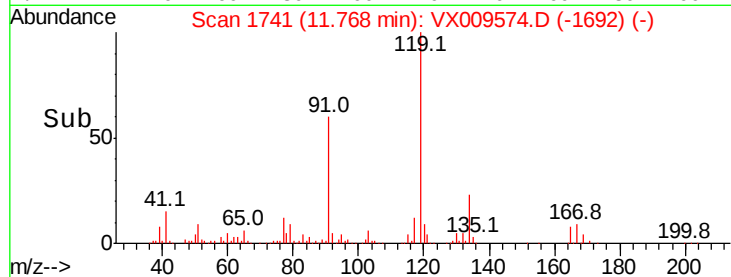
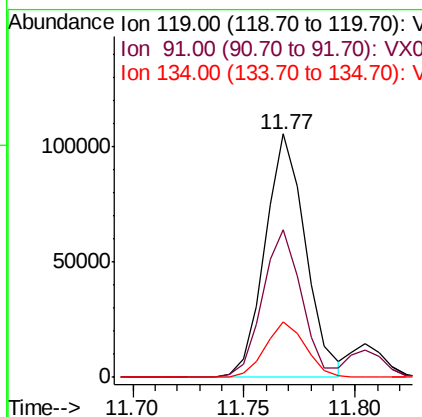
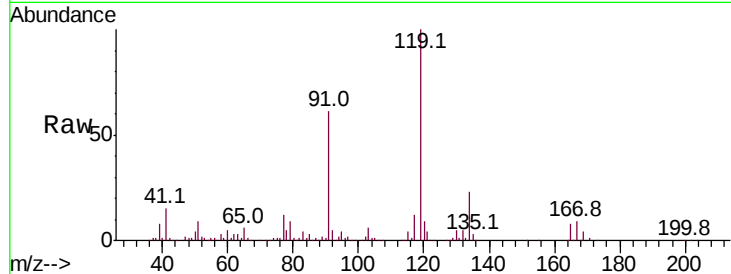
#83
tert-Butylbenzene
Concen: 21.366 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX009574.D
Acq: 15 May 2019 12:54

Instrument :
MSVOA_X
ClientSampled :
VX0515WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	133303		
91	59.0	29.5	88.5	
134	22.6	11.4	34.1	

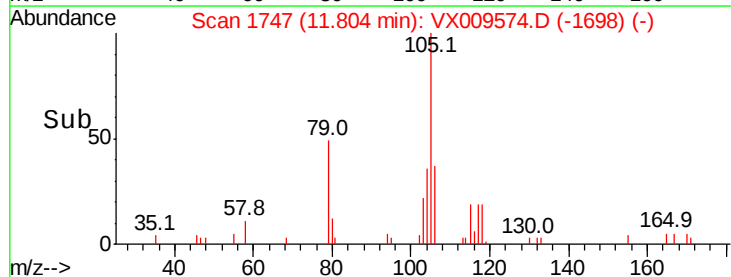
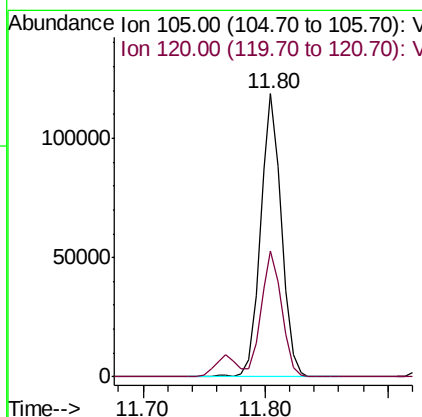
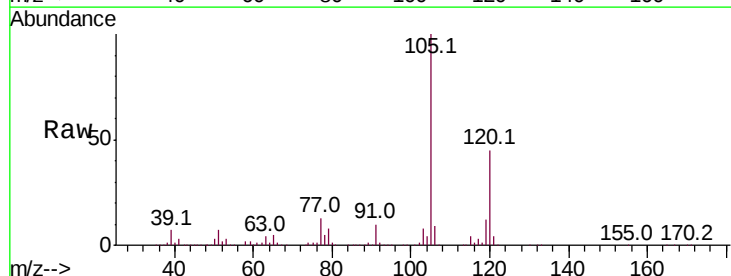
Manual Integrations
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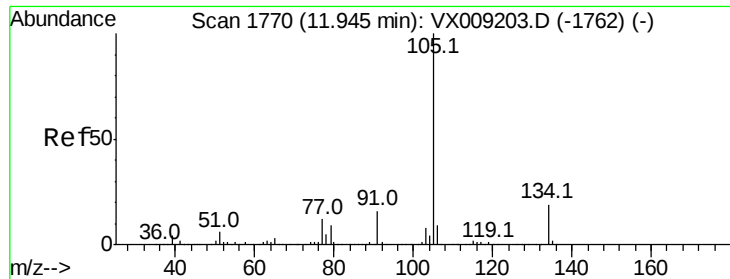
MMDadoda
5/16/2019 12:32:39 PM



#84
1,2,4-Trimethylbenzene
Concen: 21.961 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX009574.D
Acq: 15 May 2019 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	141379		
120	44.1	22.0	66.0	





#85

sec-Butylbenzene

Concen: 21.526 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009574.D

Acq: 15 May 2019 12:54

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBS01

Tot Ion:105 Resp: 159228

Ion Ratio Lower Upper

105 100

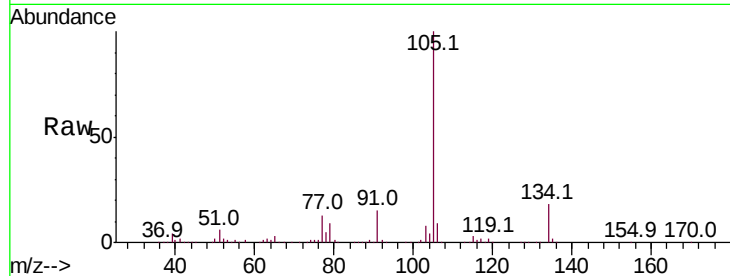
134 19.2 9.7 28.9

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

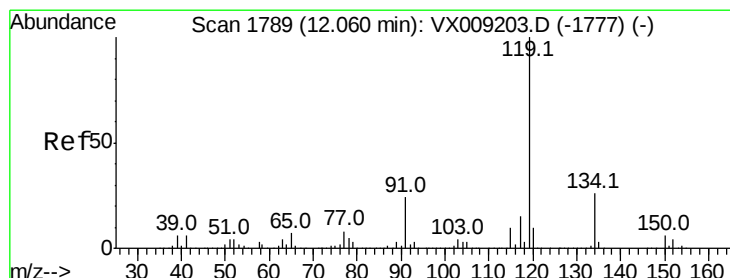
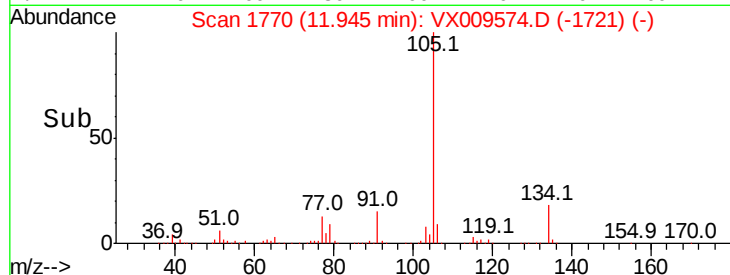
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.991 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009574.D

Acq: 15 May 2019 12:54

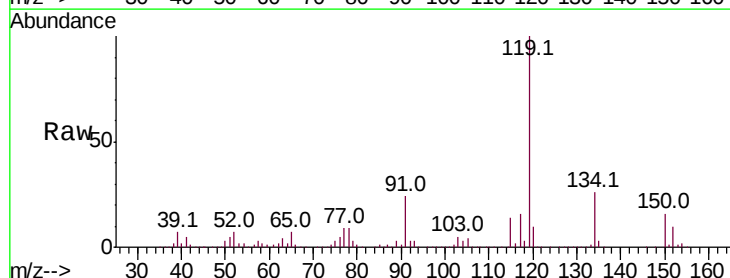
Tgt Ion:119 Resp: 146239

Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.7

91 23.8 11.8 35.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.06

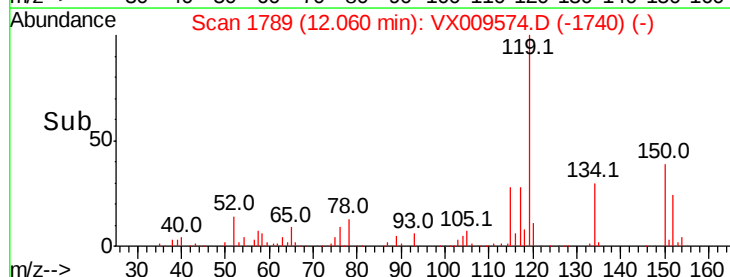
150000

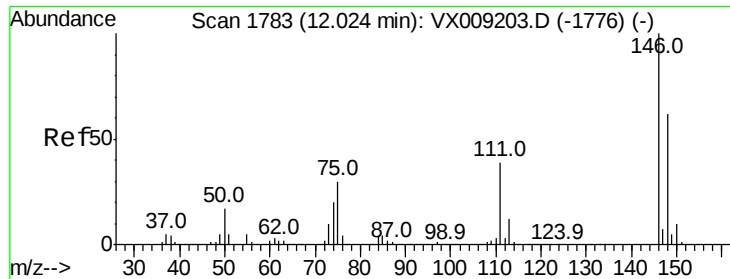
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 21.273 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX009574.D

Acq: 15 May 2019 12:54

Instrument :

MSVOA_X

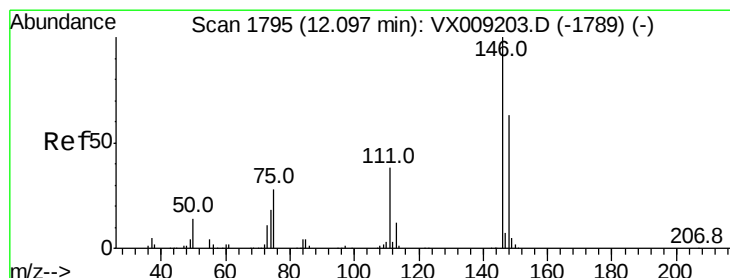
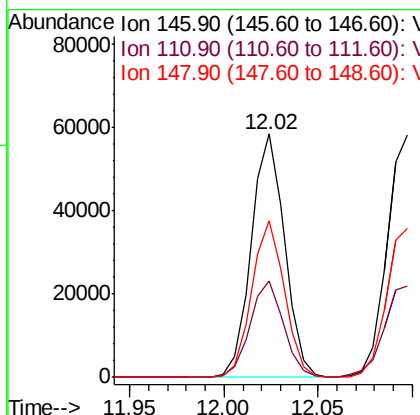
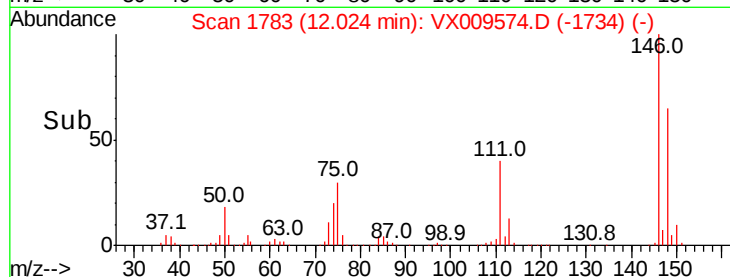
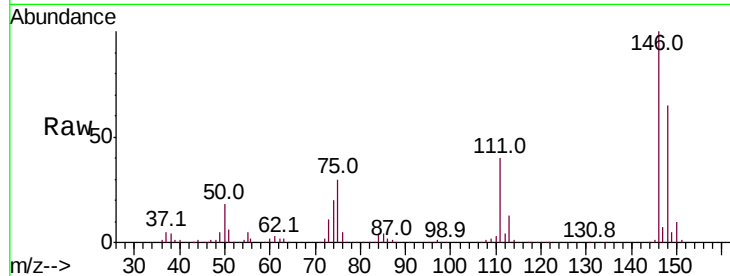
ClientSampleId :

VX0515WBS01

Tot Ion:	146	Resp:	71697
Ion Ratio	Lower	Upper	
146	100		
111	39.7	20.0	59.9
148	63.3	31.8	95.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 21.287 ug/l

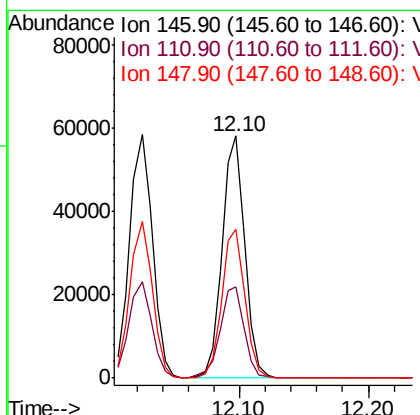
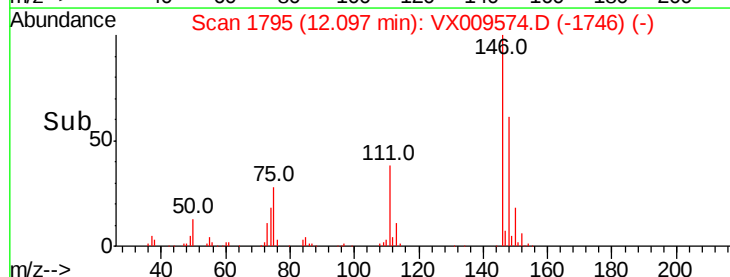
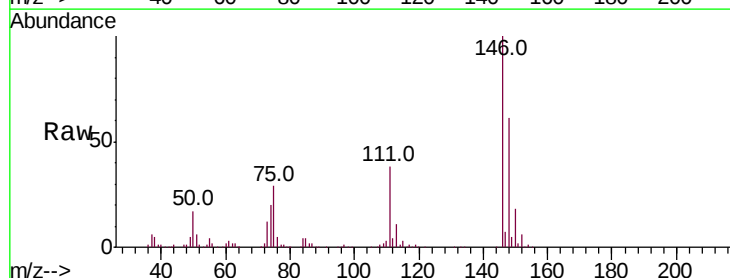
RT: 12.10 min Scan# 1795

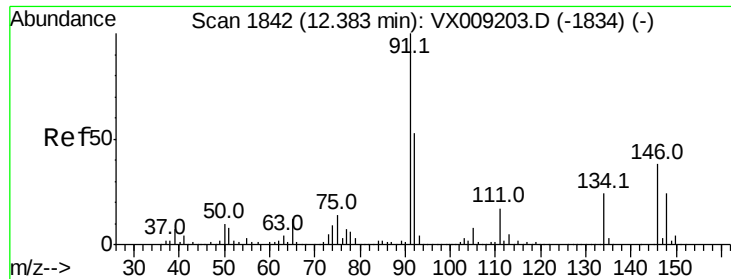
Delta R.T. 0.00 min

Lab File: VX009574.D

Acq: 15 May 2019 12:54

Tgt Ion:	146	Resp:	72331
Ion Ratio	Lower	Upper	
146	100		
111	40.0	19.6	58.8
148	62.4	31.8	95.3





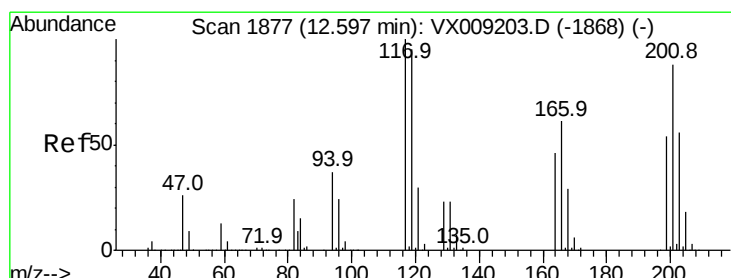
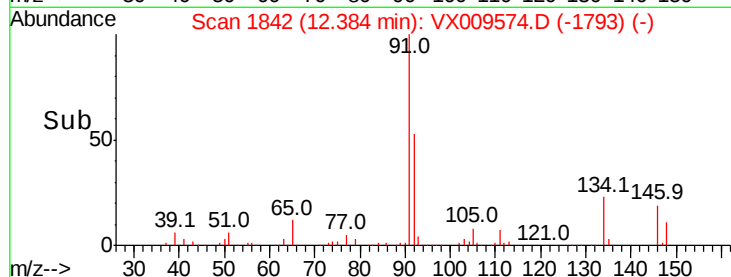
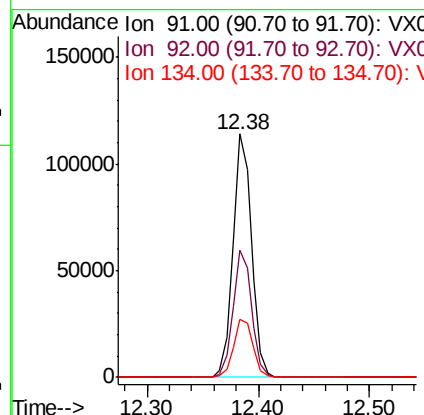
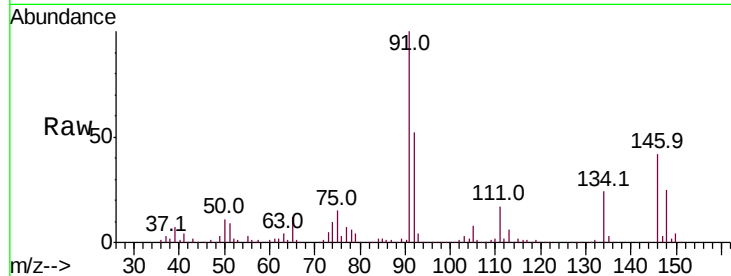
#89
n-Butylbenzene
Concen: 21.871 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009574.D
Acq: 15 May 2019 12:54

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.1	26.5	79.5	
134	24.5	12.4	37.2	

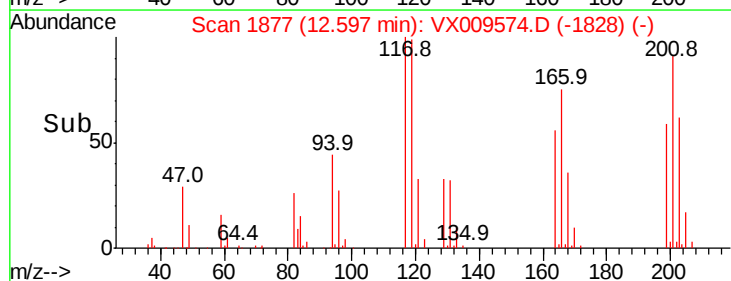
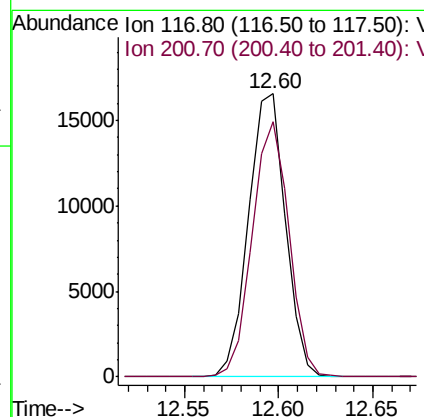
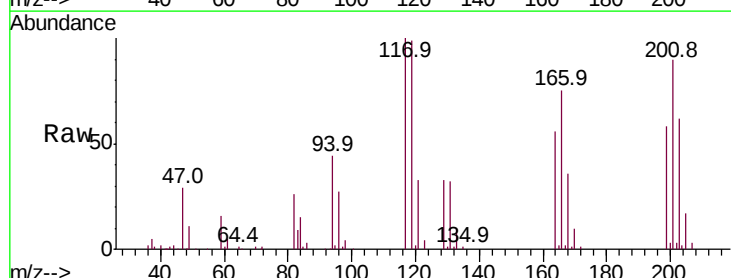
Manual Integrations
APPROVED

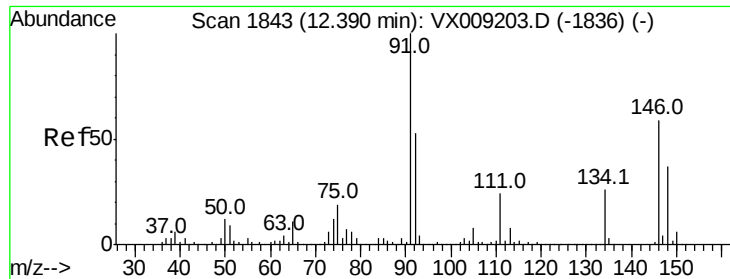
MMDadoda
5/16/2019 12:32:39 PM



#90
Hexachloroethane
Concen: 19.882 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX009574.D
Acq: 15 May 2019 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	89.5	42.3	126.9	





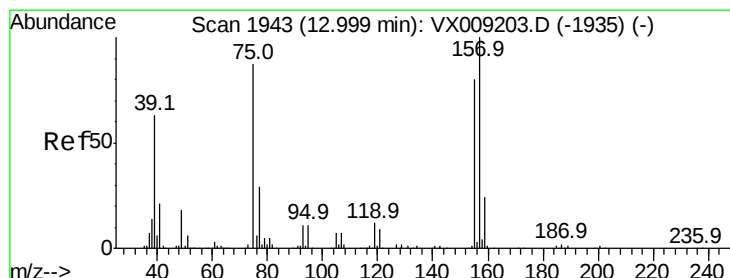
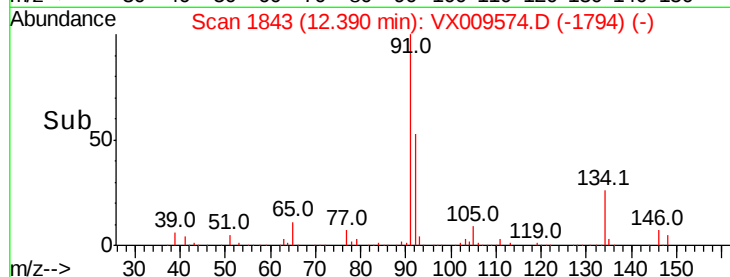
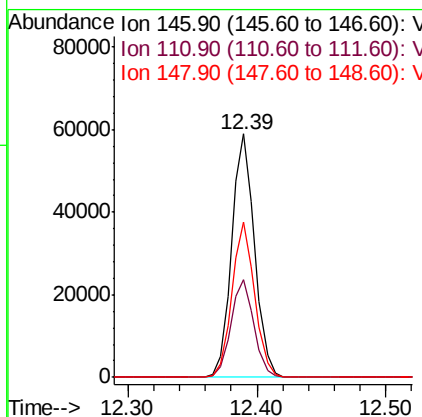
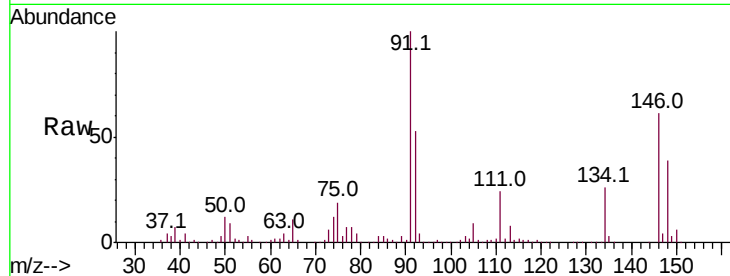
#91
 1,2-Dichlorobenzene
 Concen: 21.321 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX009574.D
 Acq: 15 May 2019 12:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0515WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.8	62.4
148	63.2	31.9	95.9

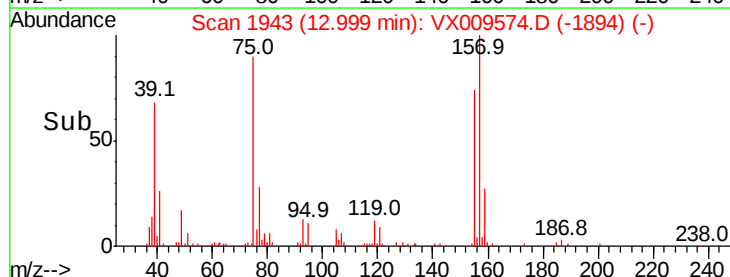
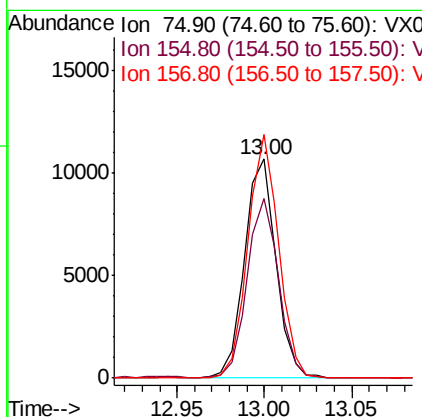
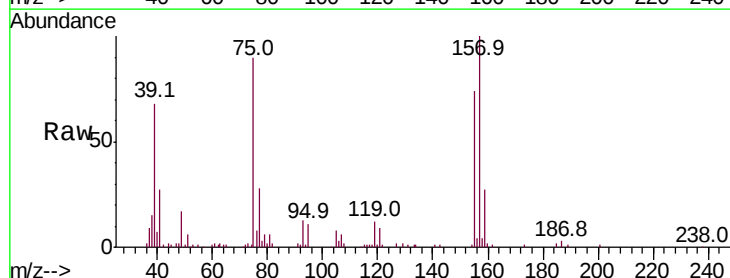
Manual Integrations
 APPROVED

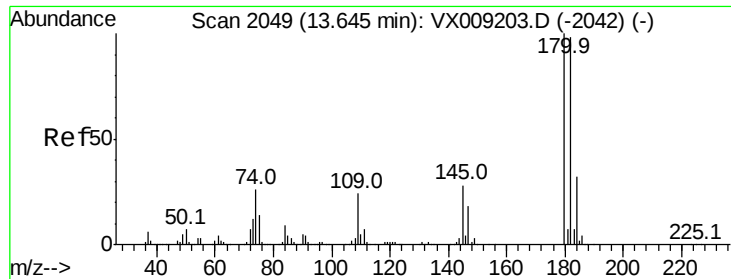
MMDadoda
 5/16/2019 12:32:39 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.969 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX009574.D
 Acq: 15 May 2019 12:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.9	42.0	126.0
157	107.9	53.2	159.6





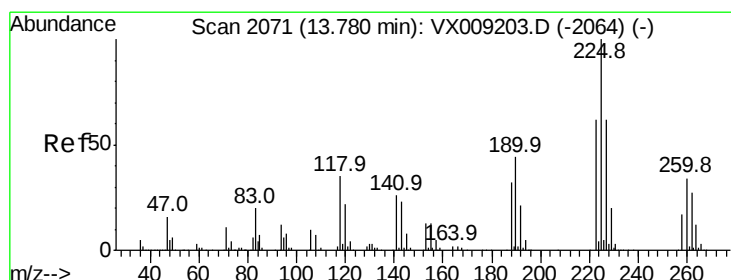
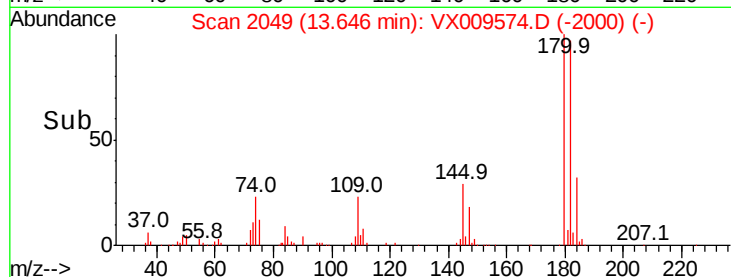
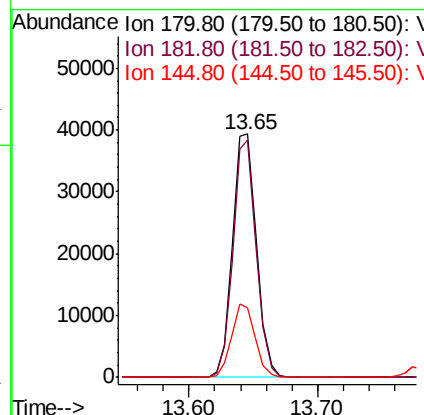
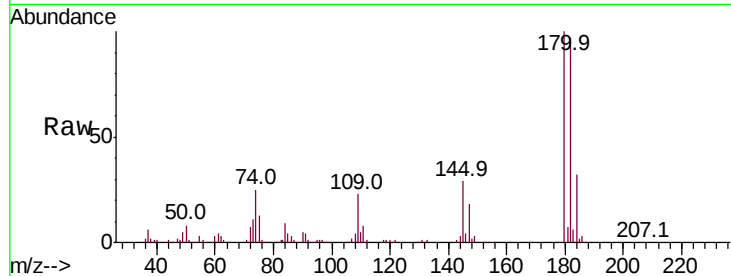
#93
 1,2,4-Trichlorobenzene
 Concen: 22.032 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009574.D
 Acq: 15 May 2019 12:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0515WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	51720		
182	93.8	48.4	145.2	
145	29.2	14.6	43.8	

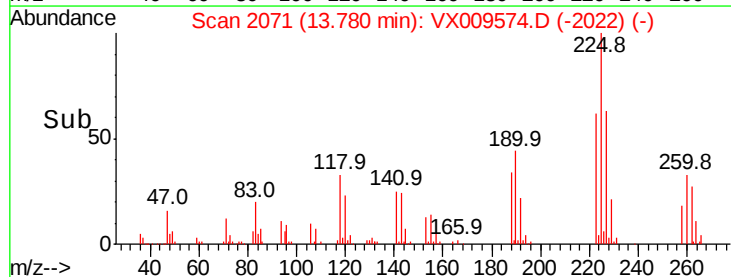
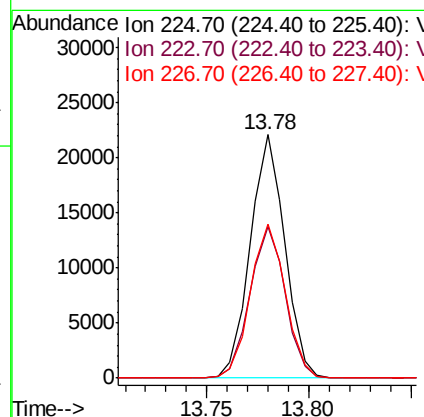
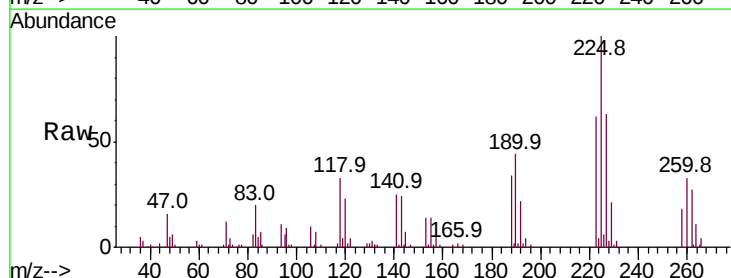
Manual Integrations
 APPROVED

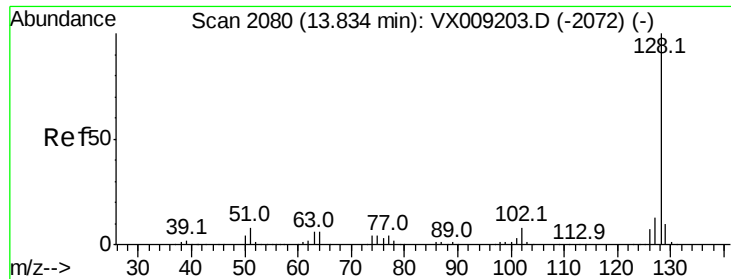
MMDadoda
 5/16/2019 12:32:39 PM



#94
 Hexachlorobutadiene
 Concen: 21.643 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009574.D
 Acq: 15 May 2019 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	25945		
223	63.6	31.3	93.8	
227	64.1	31.8	95.3	





#95

Naphthalene

Concen: 22.613 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX009574.D

Acq: 15 May 2019 12:54

Instrument :

MSVOA_X

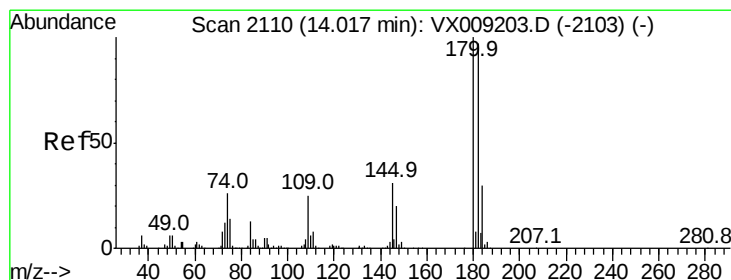
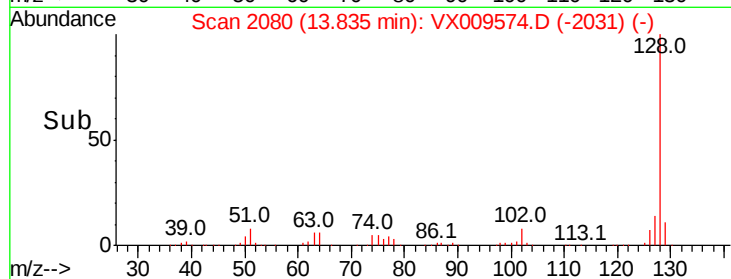
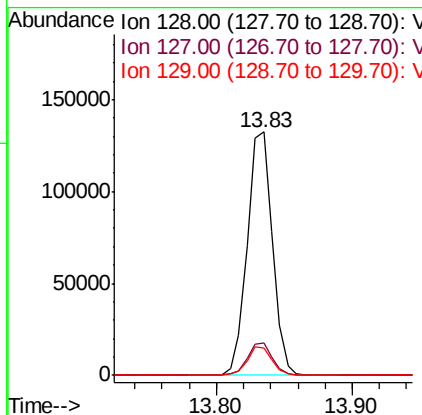
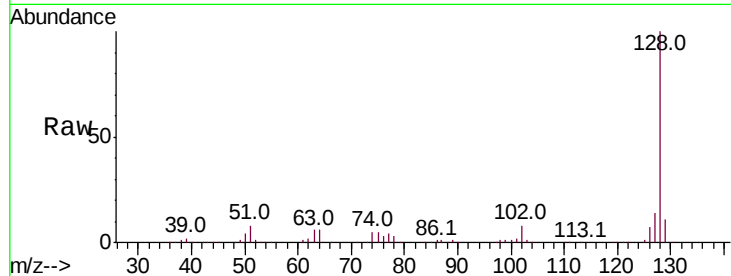
ClientSampleId :

VX0515WBS01

Tot Ion:	128	Resp:	172704
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	11.3	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/16/2019 12:32:39 PM



#96

1,2,3-Trichlorobenzene

Concen: 22.671 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX009574.D

Acq: 15 May 2019 12:54

Tgt Ion:	180	Resp:	53948
Ion Ratio	Lower	Upper	
180	100		
182	95.0	47.8	143.4
145	30.5	15.4	46.4

