

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050919\
 Data File : VX009418.D
 Acq On : 09 May 2019 11:31
 Operator : JC/SP
 Sample : VX0509WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 Client Sampled :
 VX0509WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/10/2019 1:11:51 PM

Quant Time: May 10 07:27:01 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	5.65	168	172001	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.85	114	268648	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	242003	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	119356	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	119177	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
35) Dibromofluoromethane	5.49	113	88822	52.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.18%	
50) Toluene-d8	8.71	98	358606	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	
62) 4-Bromofluorobenzene	11.13	95	130402	52.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	29218	18.434	ug/l	100
3) Chloromethane	1.32	50	41997	19.408	ug/l	100
4) Vinyl Chloride	1.40	62	41169	19.510	ug/l	98
5) Bromomethane	1.64	94	23938	18.901	ug/l	94
6) Chloroethane	1.72	64	26213	19.349	ug/l	100
7) Trichlorofluoromethane	1.93	101	51459	20.062	ug/l	98
8) Diethyl Ether	2.18	74	23676	19.487	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	32152	19.961	ug/l	98
10) Methyl Iodide	2.51	142	32652	20.438	ug/l	99
11) Tert butyl alcohol	3.04	59	48222	88.723	ug/l	97
12) 1,1-Dichloroethene	2.37	96	32132	19.910	ug/l	96
13) Acrolein	2.29	56	46913	95.309	ug/l	98
14) Allyl chloride	2.73	41	73962	18.805	ug/l	99
15) Acrylonitrile	3.14	53	120288	90.516	ug/l	98
16) Acetone	2.44	43	113088	89.696	ug/l	98
17) Carbon Disulfide	2.57	76	93645	20.667	ug/l	99
18) Methyl Acetate	2.77	43	52424	17.484	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	119875	19.128	ug/l	99
20) Methylene Chloride	2.85	84	38232	18.728	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	34603	19.770	ug/l	100
22) Diisopropyl ether	3.85	45	144261	19.073	ug/l	90
23) Vinyl Acetate	3.81	43	637161	98.376	ug/l	100
24) 1,1-Dichloroethane	3.70	63	70878	18.996	ug/l	98
25) 2-Butanone	4.67	43	179429	91.581	ug/l	99
26) 2,2-Dichloropropane	4.58	77	52393	18.865	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	40932	19.593	ug/l	98
28) Bromochloromethane	5.01	49	29068	17.575	ug/l	99
29) Tetrahydrofuran	5.12	42	118051	93.635	ug/l	100
30) Chloroform	5.21	83	65921	19.534	ug/l	97
31) Cyclohexane	5.57	56	69739	20.090	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	54472	19.390	ug/l	99
36) 1,1-Dichloropropene	5.79	75	51010	20.432	ug/l	99
37) Ethyl Acetate	4.83	43	67926	19.527	ug/l	99
38) Carbon Tetrachloride	5.78	117	44596	19.660	ug/l	96

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 Misc : 5.0mL/MSVOA X/WATER
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 ClientSampleID :
 VX0509WBS01

Manual Integrations
 APPROVED

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Quant Time: May 10 07:27:01 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	63939	20.854	ug/l	96
40) Benzene	6.14	78	155740	20.157	ug/l	99
41) Methacrylonitrile	5.04	41	37546	18.133	ug/l	96
42) 1,2-Dichloroethane	6.19	62	55990	20.201	ug/l	99
43) Isopropyl Acetate	6.44	43	105499	18.961	ug/l	100
44) Trichloroethene	7.21	130	37931	20.307	ug/l	97
45) 1,2-Dichloropropane	7.51	63	43962	20.094	ug/l	100
46) Dibromomethane	7.66	93	24700	19.441	ug/l	96
47) Bromodichloromethane	7.89	83	49546	19.550	ug/l	100
48) Methyl methacrylate	7.77	41	53747	19.470	ug/l	100
49) 1,4-Dioxane	7.74	88	20982	374.803	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	347664	95.597	ug/l	100
52) Toluene	8.78	92	95437	20.320	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	57116	19.962	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	62945	19.875	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	37735	19.693	ug/l	99
56) Ethyl methacrylate	9.18	69	66073	19.317	ug/l	100
57) 1,3-Dichloropropane	9.37	76	66919	19.846	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	168046	92.612	ug/l	99
59) 2-Hexanone	9.49	43	270152	94.582	ug/l	99
60) Dibromochloromethane	9.58	129	36494	19.500	ug/l	100
61) 1,2-Dibromoethane	9.67	107	38911	20.117	ug/l	99
64) Tetrachloroethene	9.34	164	34585	20.834	ug/l	98
65) Chlorobenzene	10.13	112	98264	20.298	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	35044	19.967	ug/l	99
67) Ethyl Benzene	10.25	91	180621	20.273	ug/l	99
68) m/p-Xylenes	10.35	106	134692	41.369	ug/l	100
69) o-Xylene	10.69	106	65476	20.382	ug/l	98
70) Styrene	10.71	104	111926	20.046	ug/l	99
71) Bromoform	10.85	173	27045	18.962	ug/l	99
73) Isopropylbenzene	11.02	105	174693	20.127	ug/l	99
74) N-amyl acetate	10.90	43	93716	18.520	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	60575	18.722	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	54041m	19.519	ug/l	
77) Bromobenzene	11.26	156	43122	20.017	ug/l	98
78) n-propylbenzene	11.36	91	200795	20.257	ug/l	99
79) 2-Chlorotoluene	11.42	91	119562	19.551	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	148577	20.330	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	19406	17.934	ug/l	95
82) 4-Chlorotoluene	11.51	91	138947	20.112	ug/l	99
83) tert-Butylbenzene	11.77	119	141647	19.924	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	150011	20.450	ug/l	99
85) sec-Butylbenzene	11.94	105	169550	20.116	ug/l	100
86) p-Isopropyltoluene	12.06	119	154322	20.366	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	76257	19.857	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	77232	19.947	ug/l	98
89) n-Butylbenzene	12.38	91	139709	20.400	ug/l	100
90) Hexachloroethane	12.59	117	24914	19.300	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	77310	19.764	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	13658	18.817	ug/l	99

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBS01

Manual Integrations
APPROVED

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Quant Time: May 10 07:27:01 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)
93) 1,2,4-Trichlorobenzene	13.65	180	54433	20.350	ug/l	99
94) Hexachlorobutadiene	13.78	225	28367	20.767	ug/l	98
95) Naphthalene	13.83	128	176163	20.243	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	56729	20.922	ug/l	99

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

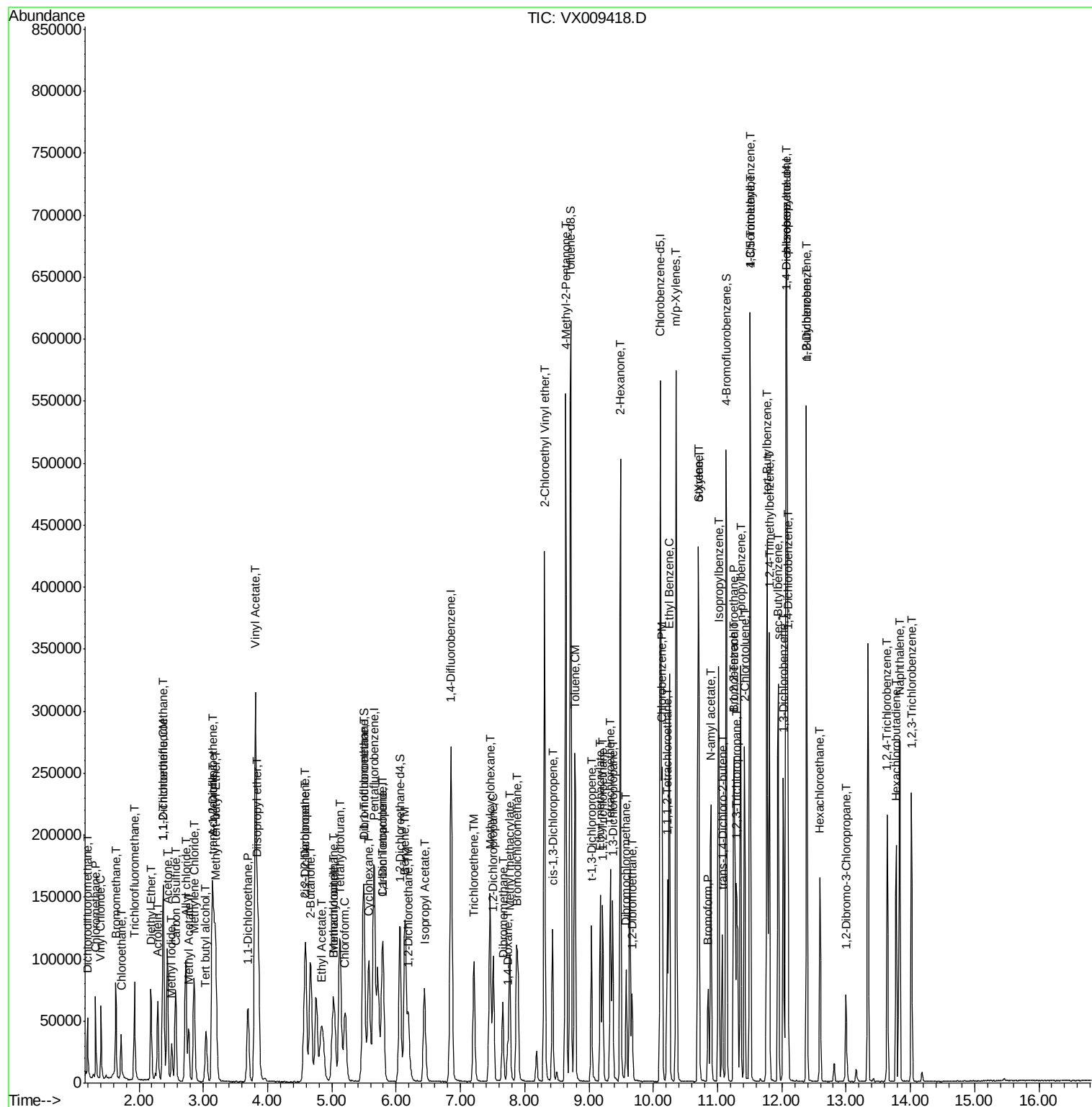
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 Data File : VX009418.D
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 Operator : JC/SP
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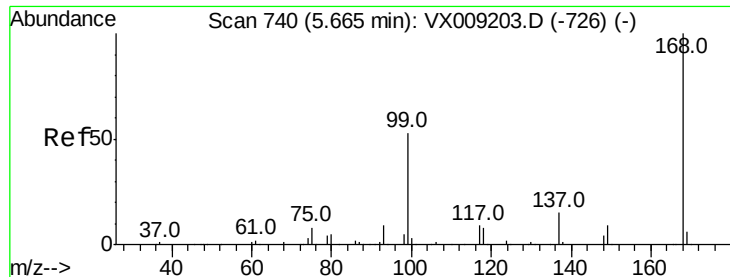
Instrument :
 MSVOA_X
 Client Sample ID :
 VX0509WBS01

Manual Integrations
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 Quant Title : SW846 8260
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBS01

Tot Ion:168 Resp: 172001

Ion Ratio Lower Upper

168 100

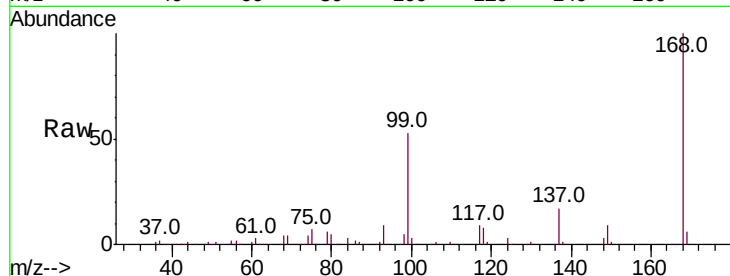
99 53.3 42.3 63.5

Manual Integrations

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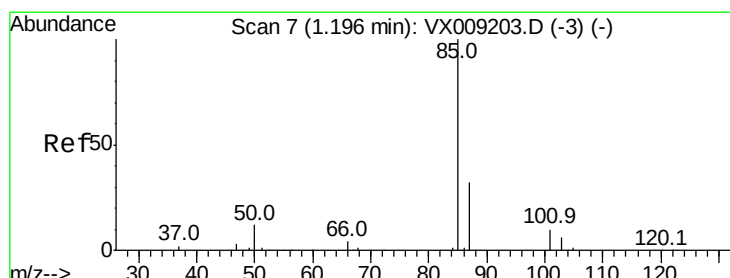
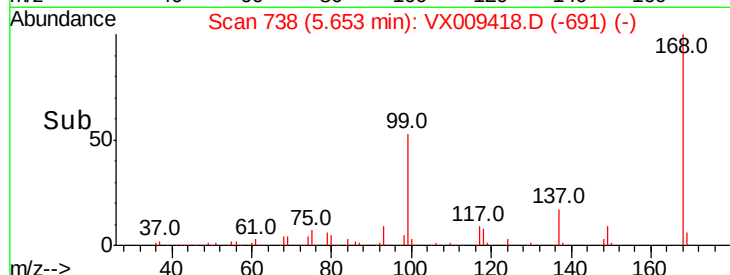
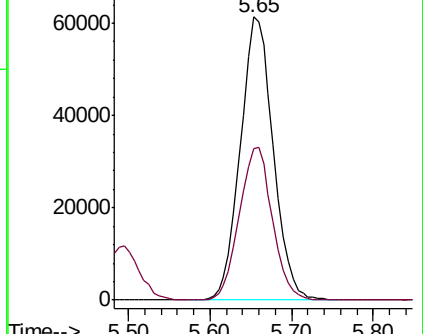
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 18.434 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009418.D

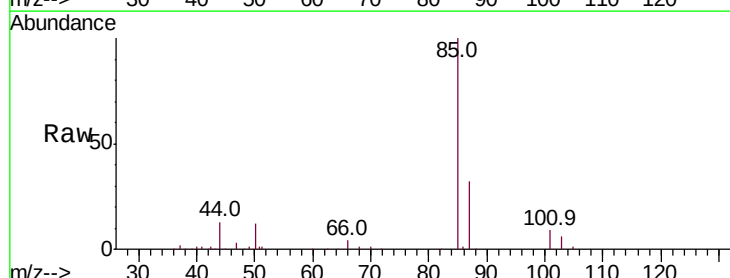
Acq: 09 May 2019 11:31

Tgt Ion: 85 Resp: 29218

Ion Ratio Lower Upper

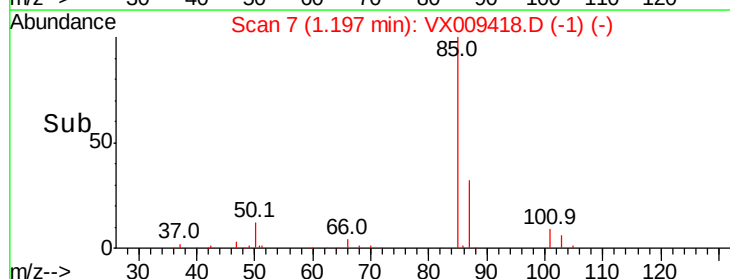
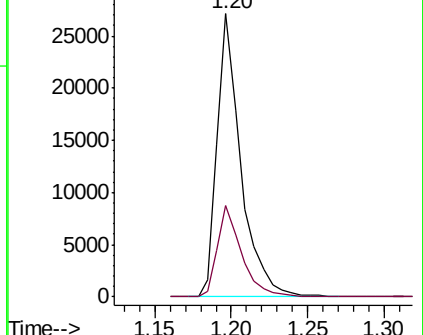
85 100

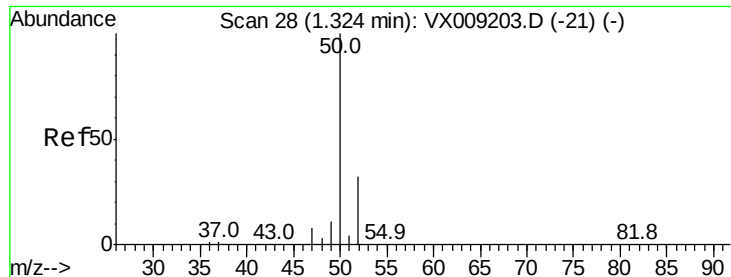
87 32.4 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 19.408 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBS01

Tot Ion: 50 Resp: 41997

Ion Ratio Lower Upper

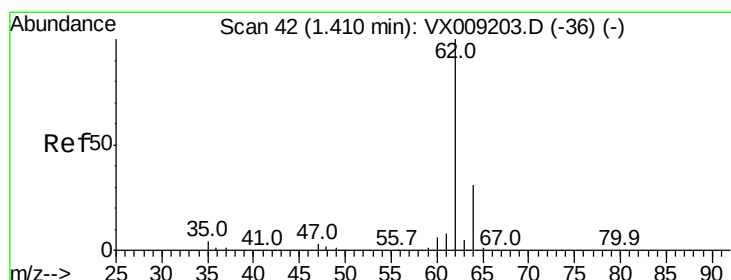
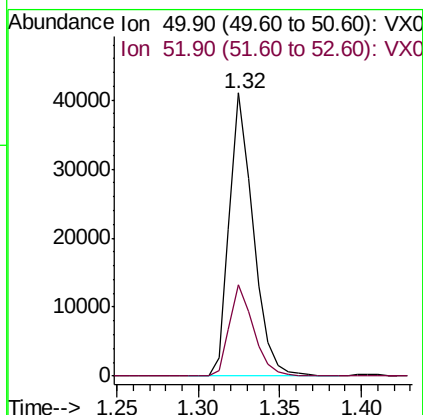
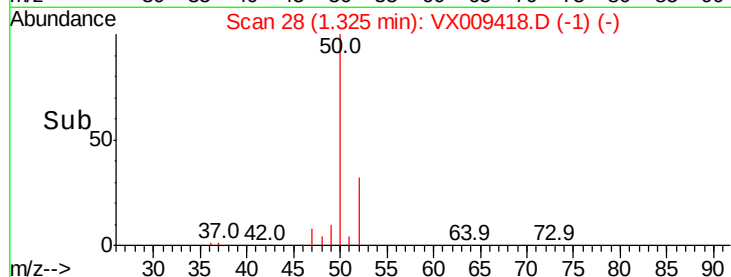
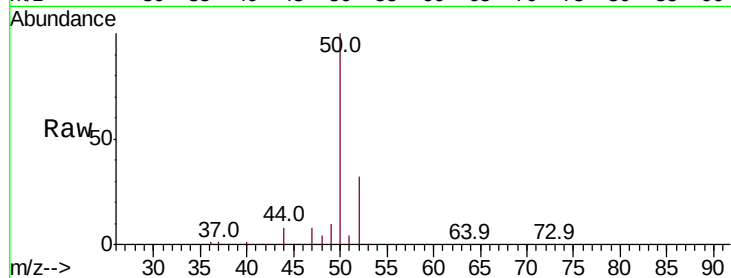
50 100

52 32.3 25.9 38.9

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.510 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX009418.D

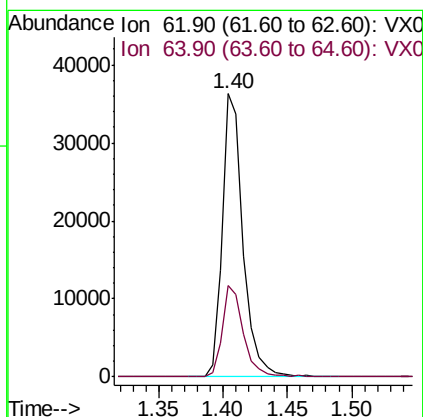
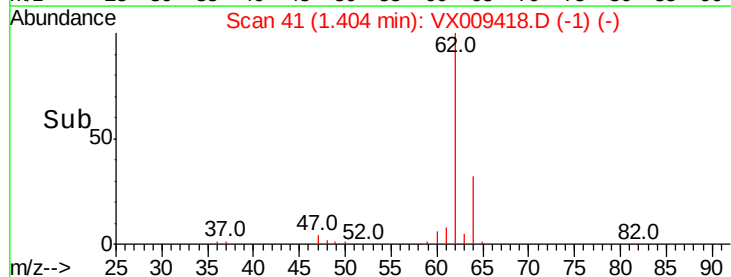
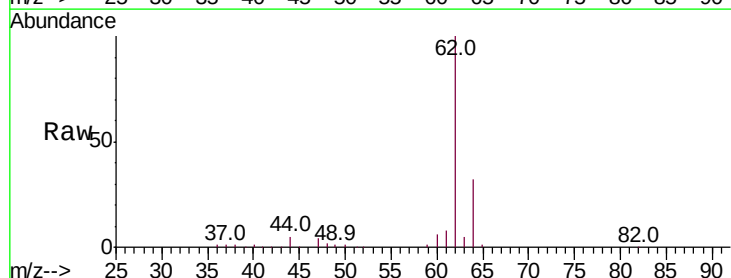
Acq: 09 May 2019 11:31

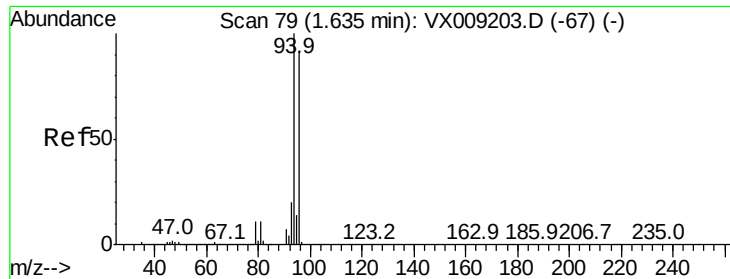
Tgt Ion: 62 Resp: 41169

Ion Ratio Lower Upper

62 100

64 32.0 24.6 36.8





#5

Bromomethane

Concen: 18.901 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBS01

Tot Ion: 94 Resp: 23938

Ion Ratio Lower Upper

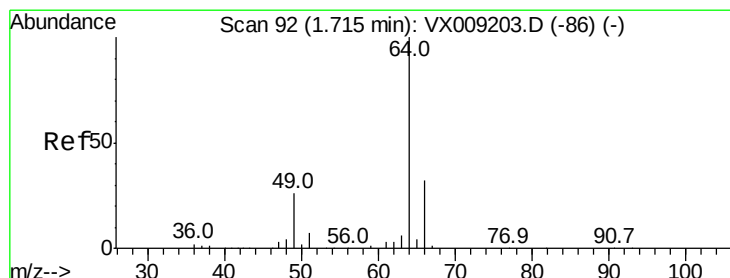
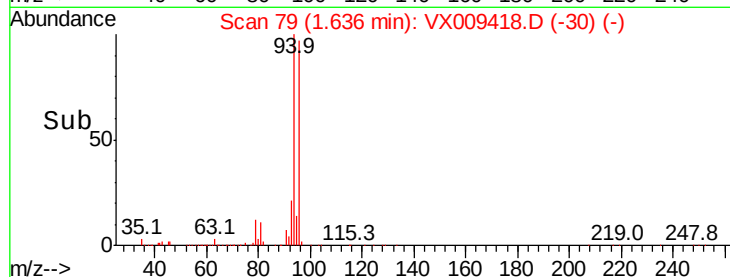
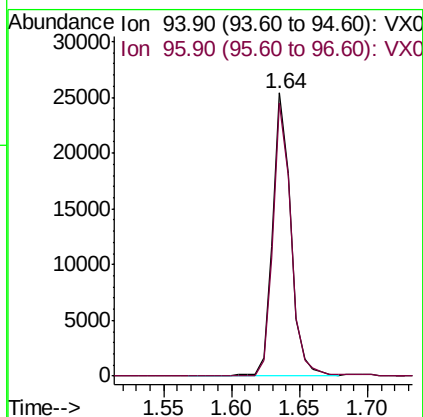
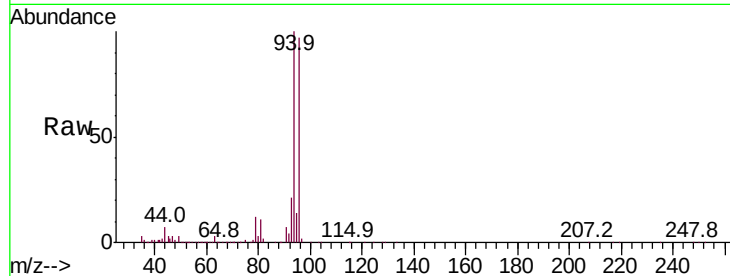
94 100

96 96.7 73.0 109.6

Manual Integrations
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#6

Chloroethane

Concen: 19.349 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009418.D

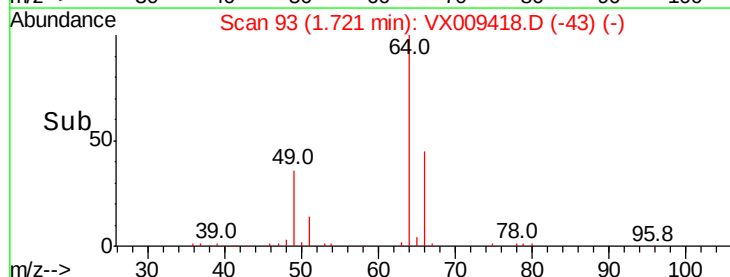
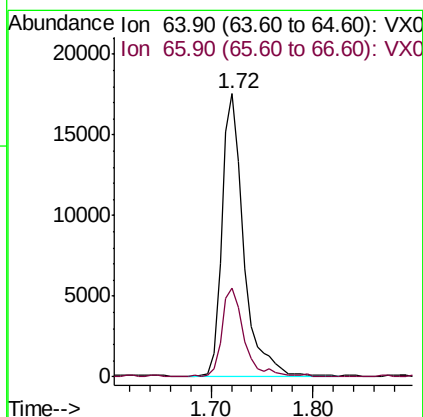
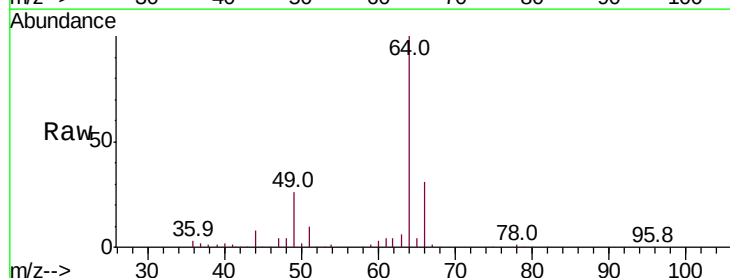
Acq: 09 May 2019 11:31

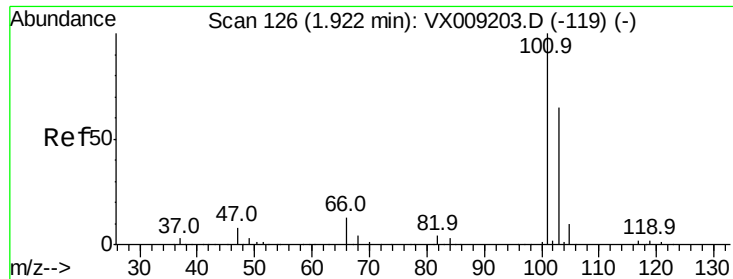
Tgt Ion: 64 Resp: 26213

Ion Ratio Lower Upper

64 100

66 31.4 25.3 37.9





#7

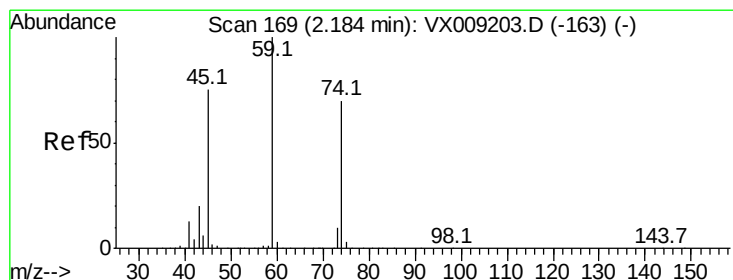
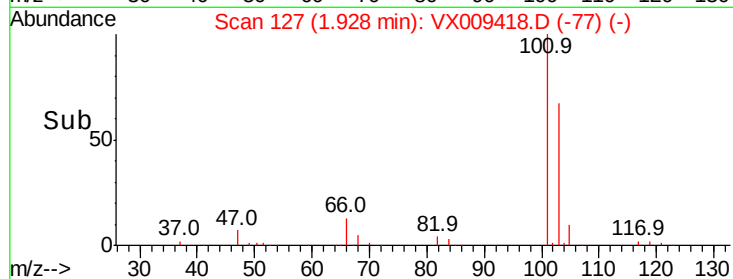
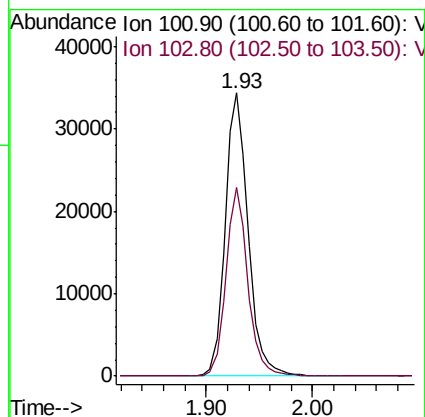
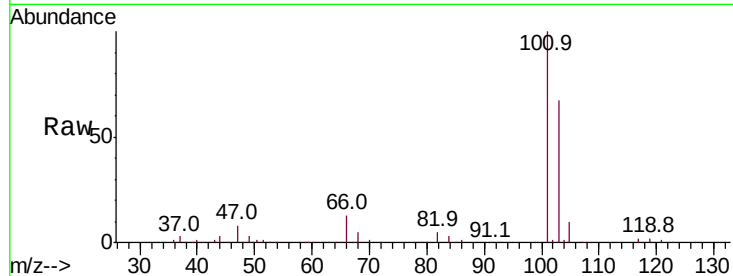
Trichlorofluoromethane
Concen: 20.062 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBS01

Tot Ion:101 Resp: 51459
Ion Ratio Lower Upper
101 100
103 66.8 52.4 78.6

Manual Integrations
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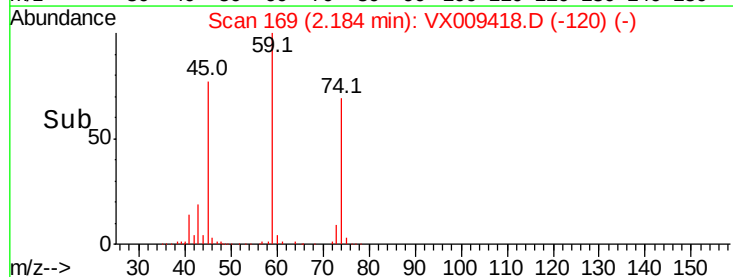
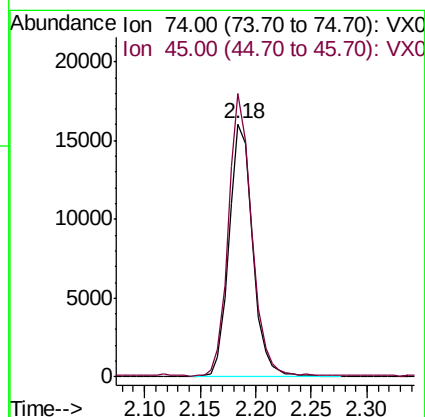
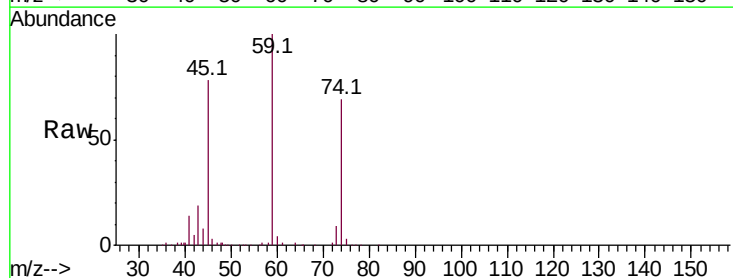
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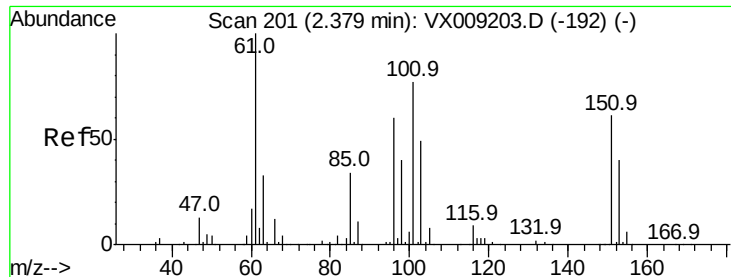


#8

Diethyl Ether
Concen: 19.487 ug/l
RT: 2.18 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Tgt Ion: 74 Resp: 23676
Ion Ratio Lower Upper
74 100
45 109.8 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.961 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

Instrument :

MSVOA_X

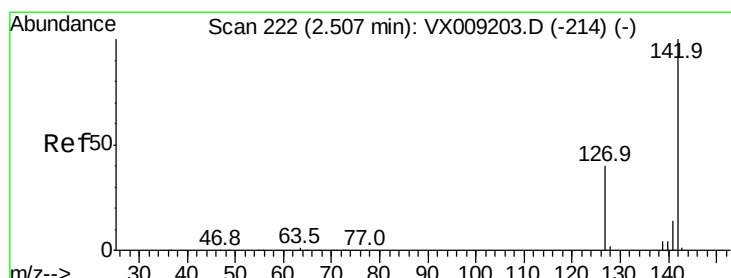
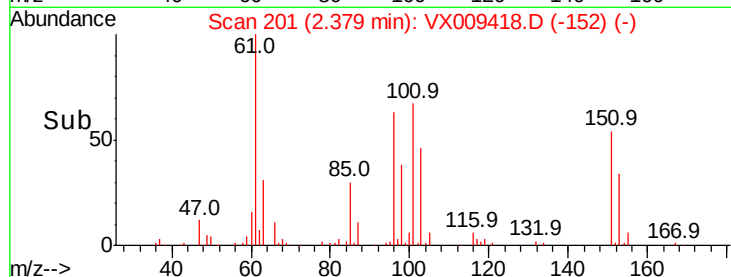
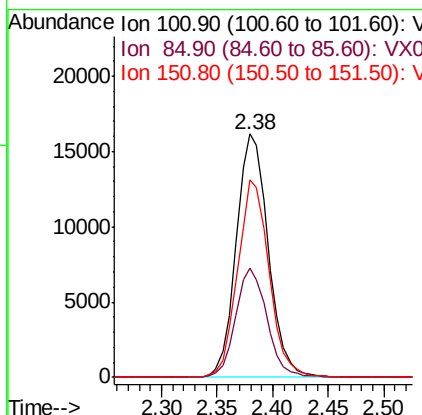
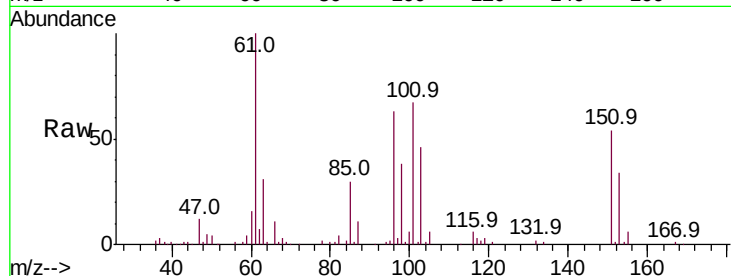
ClientSampleId :

VX0509WBS01

Tot Ion:	101	Resp:	32152
Ion Ratio	Lower	Upper	
101	100		
85	43.9	35.7	53.5
151	79.9	62.2	93.2

Manual Integrations
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#10

Methyl Iodide

Concen: 20.438 ug/l

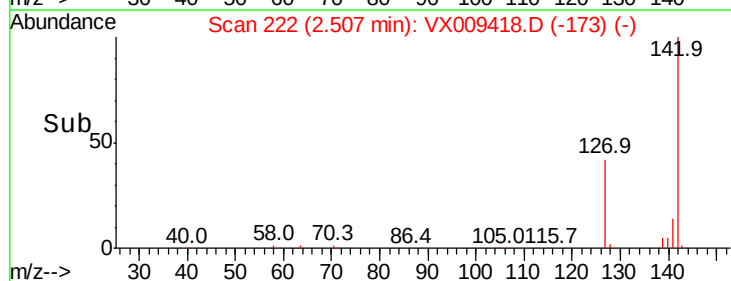
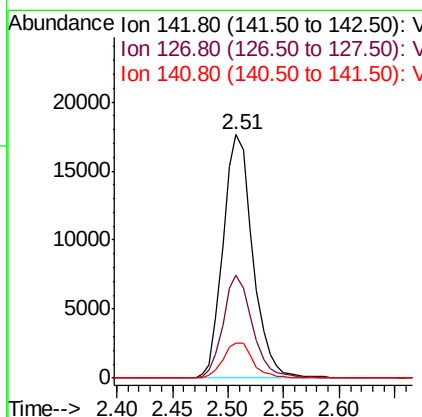
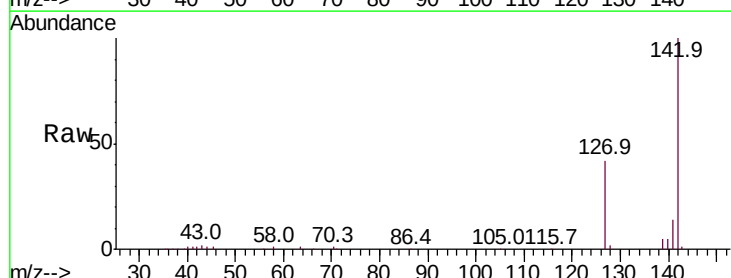
RT: 2.51 min Scan# 222

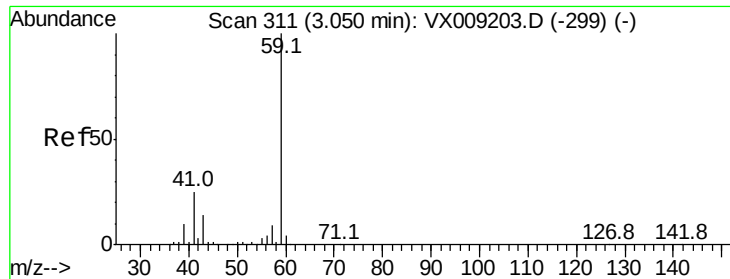
Delta R.T. 0.00 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

Tgt Ion:	142	Resp:	32652
Ion Ratio	Lower	Upper	
142	100		
127	41.6	32.7	49.1
141	14.5	11.5	17.3





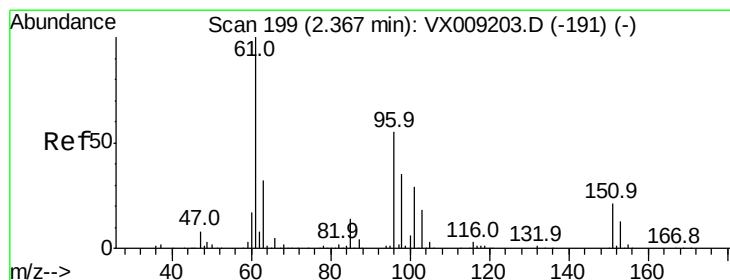
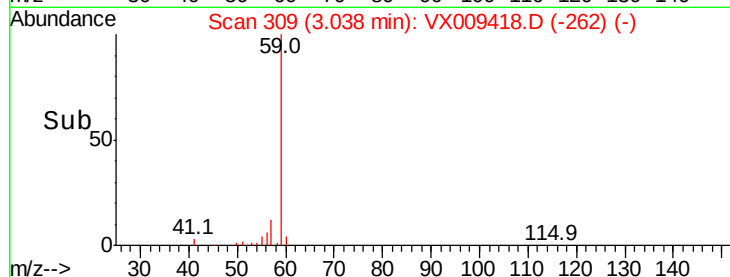
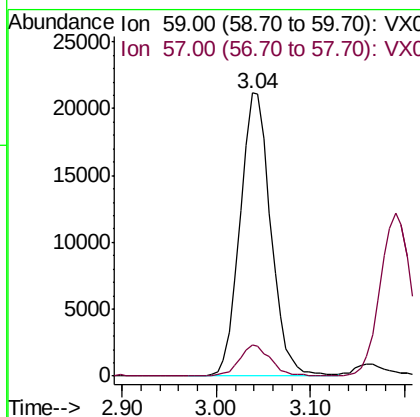
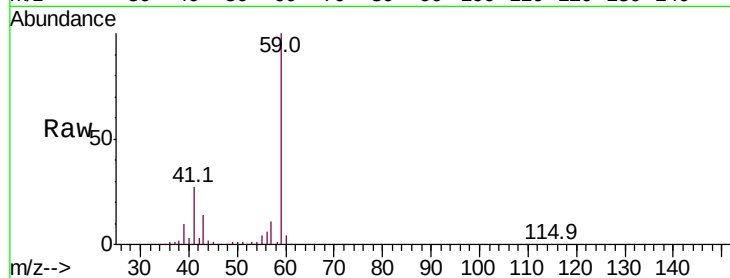
#11
Tert butyl alcohol
Concen: 88.723 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.01 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBS01

Tot Ion: 59 Resp: 48222
Ion Ratio Lower Upper
59 100
57 11.2 8.2 12.2

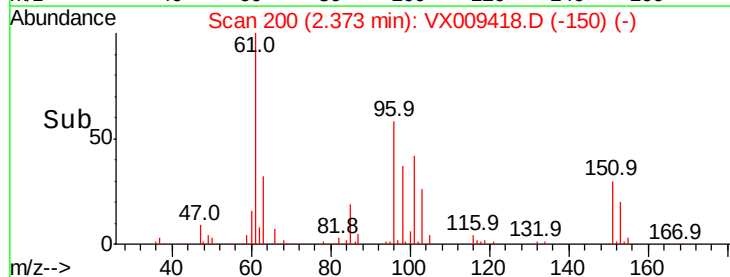
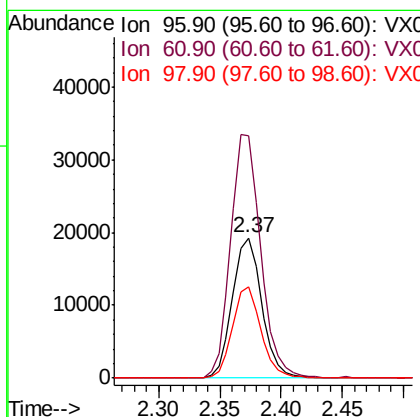
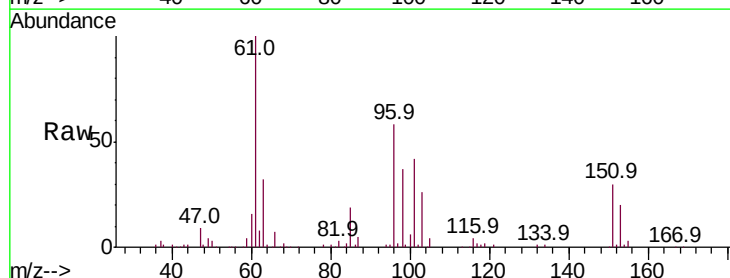
Manual Integrations
APPROVED

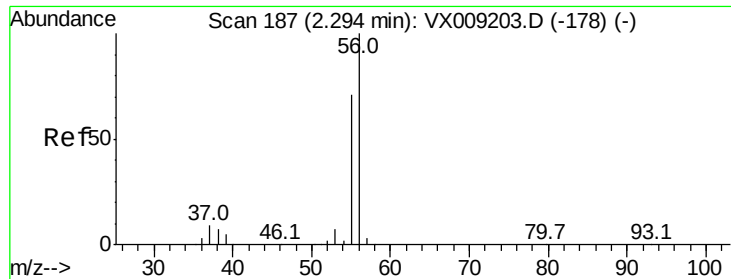
MMDadoda
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#12
1,1-Dichloroethene
Concen: 19.910 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Tgt Ion: 96 Resp: 32132
Ion Ratio Lower Upper
96 100
61 173.2 144.3 216.5
98 64.7 50.3 75.5





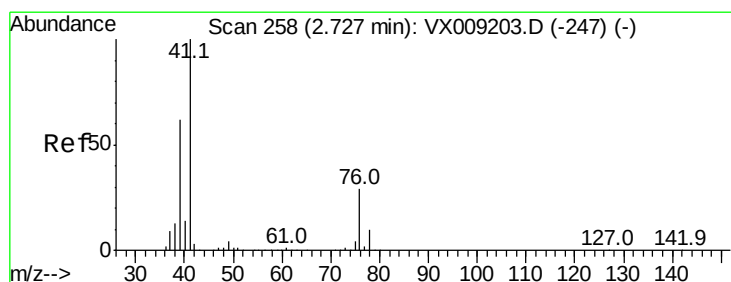
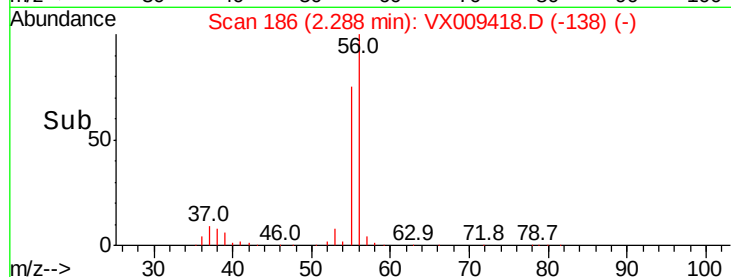
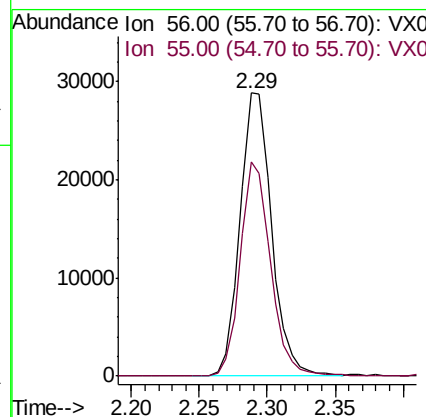
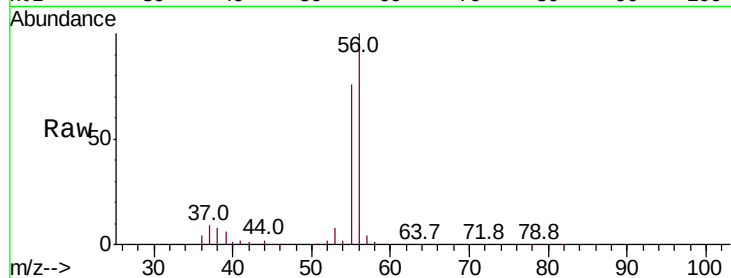
#13
Acrolein
Concen: 95.309 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBS01

Tot Ion	56	Resp	46913
Ion Ratio	100	Lower	Upper
55	72.8	56.6	85.0

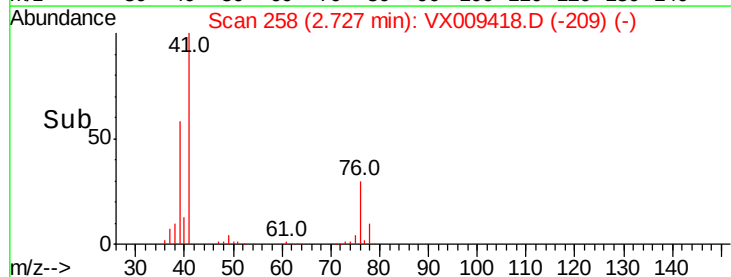
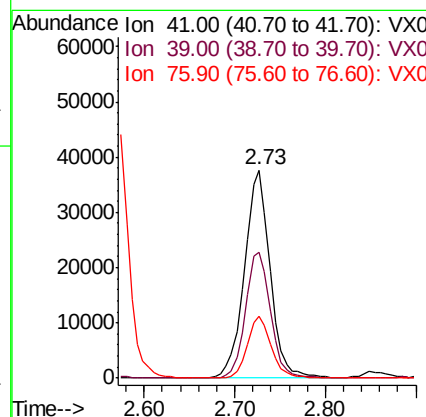
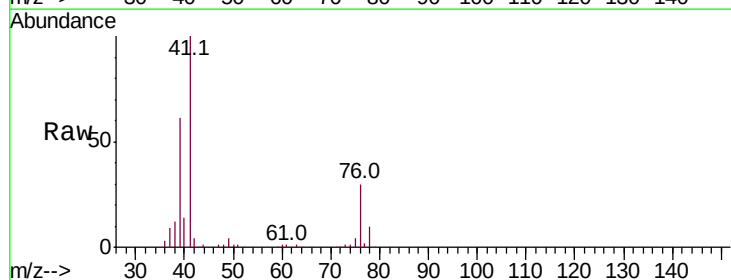
Manual Integrations
APPROVED

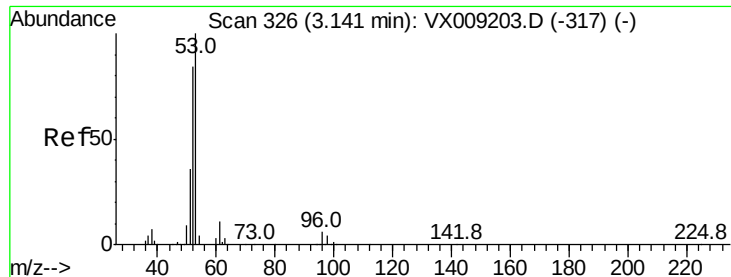
MMDadoda
5/10/2019 1:11:51 PM



#14
Allyl chloride
Concen: 18.805 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Tgt Ion	41	Resp	73962
Ion Ratio	100	Lower	Upper
39	59.1	46.7	70.1
76	27.3	21.8	32.8





#15

Acrylonitrile

Concen: 90.516 ug/l

RT: 3.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

Instrument :

MSVOA_X

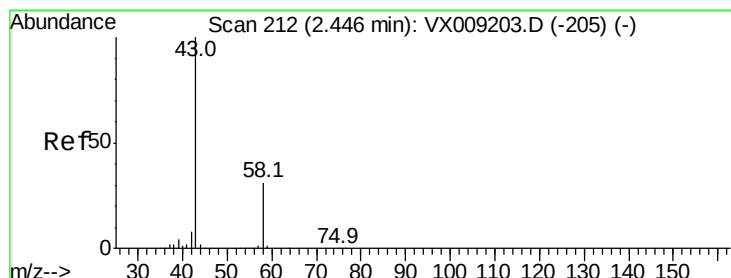
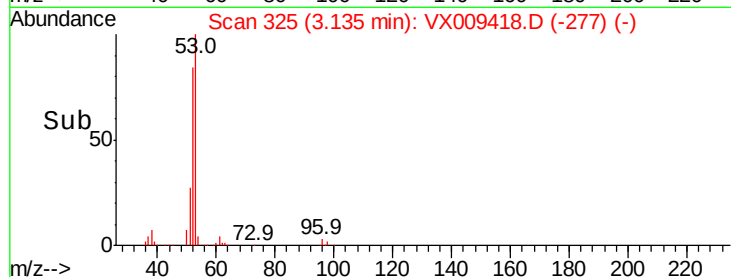
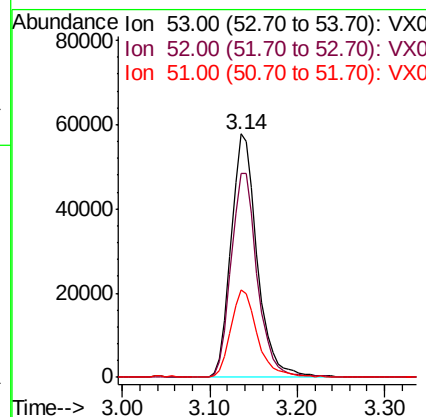
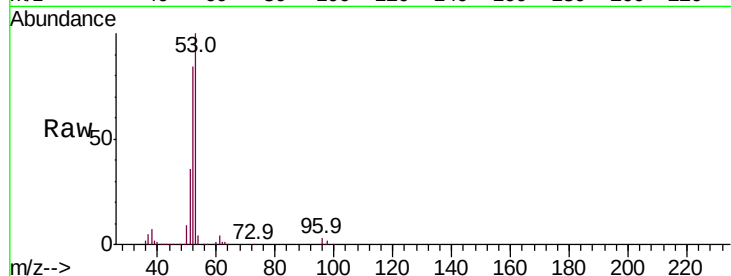
ClientSampleId :

VX0509WBS01

Tot Ion:	53	Resp:	120288
Ion Ratio	Lower	Upper	
53	100		
52	84.8	66.9	100.3
51	36.8	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 89.696 ug/l

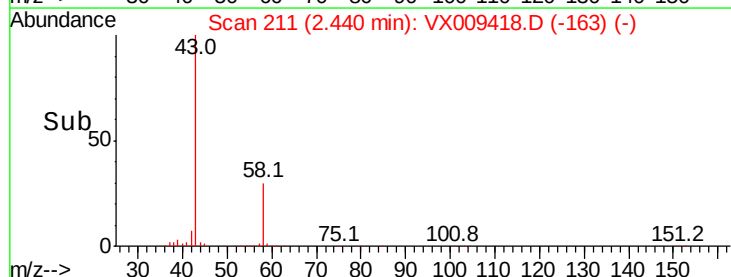
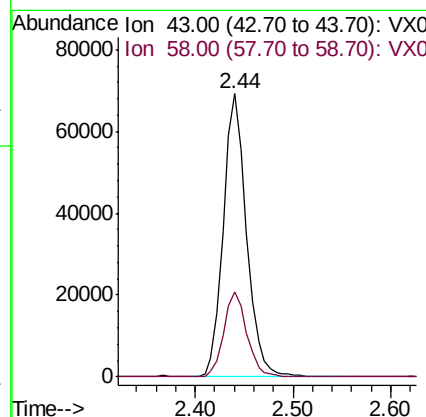
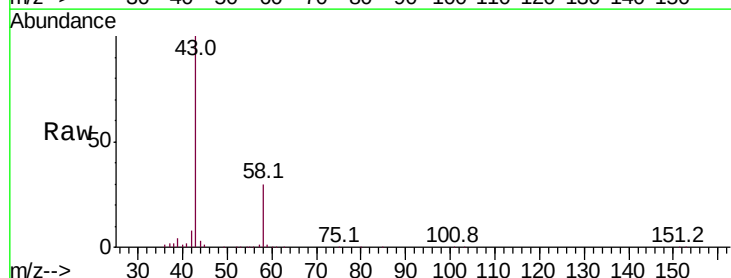
RT: 2.44 min Scan# 211

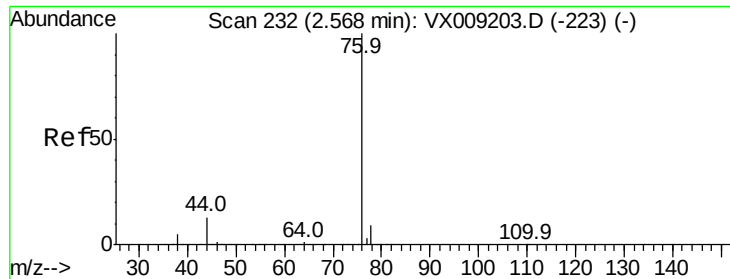
Delta R.T. -0.01 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

Tgt Ion:	43	Resp:	113088
Ion Ratio	Lower	Upper	
43	100		
58	30.1	24.9	37.3





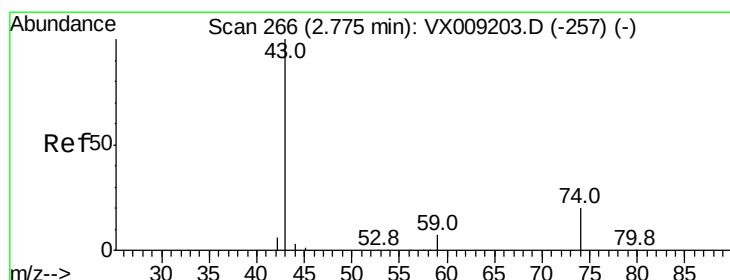
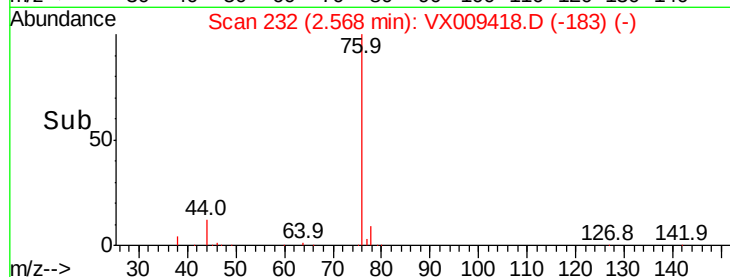
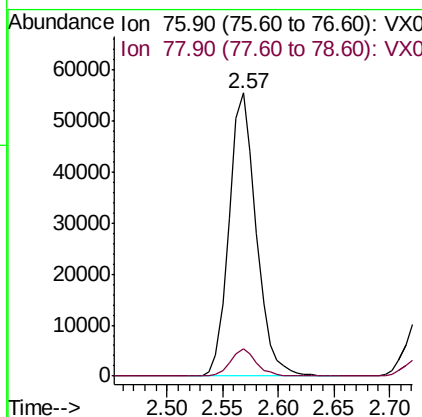
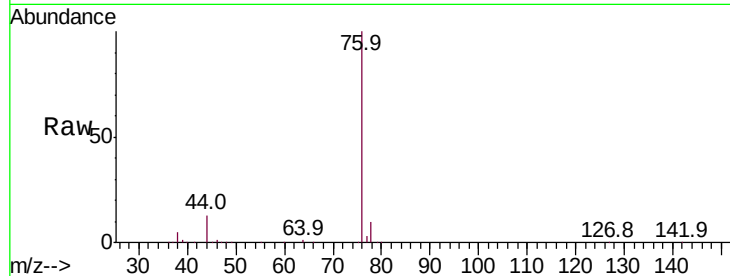
#17
Carbon Disulfide
Concen: 20.667 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.4	11.0

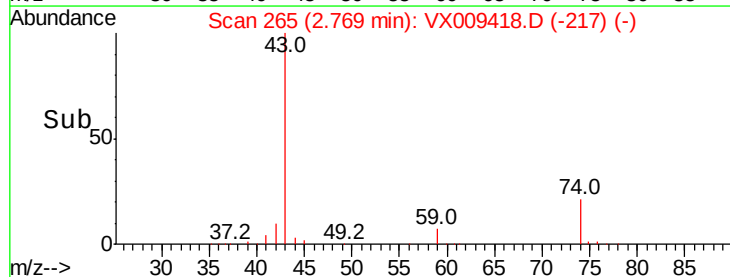
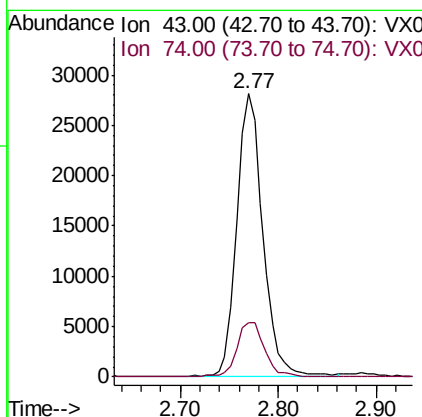
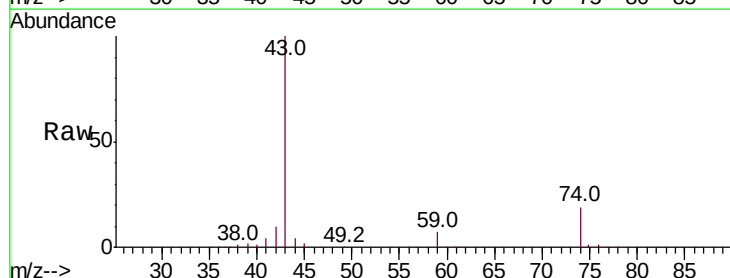
Manual Integrations
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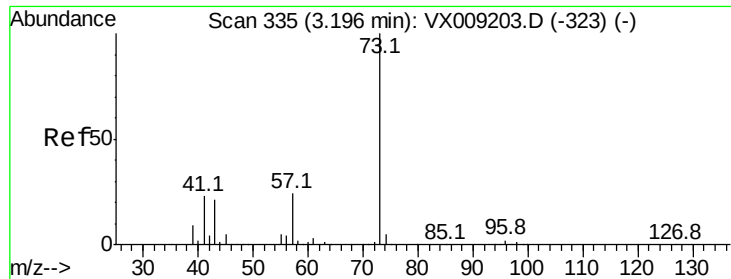
MMDadoda
5/10/2019 1:11:51 PM



#18
Methyl Acetate
Concen: 17.484 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.5	16.2	24.4





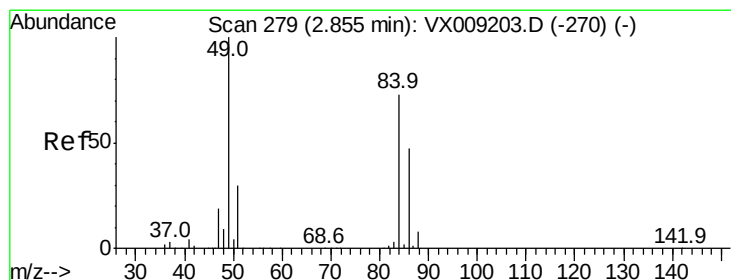
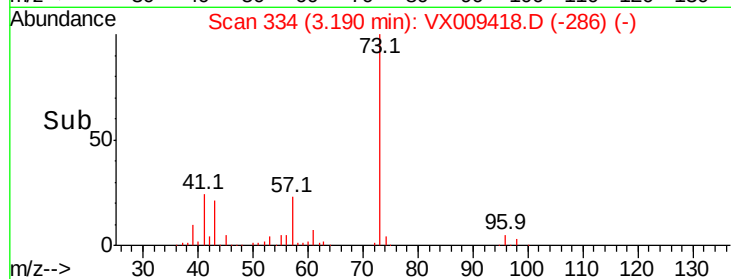
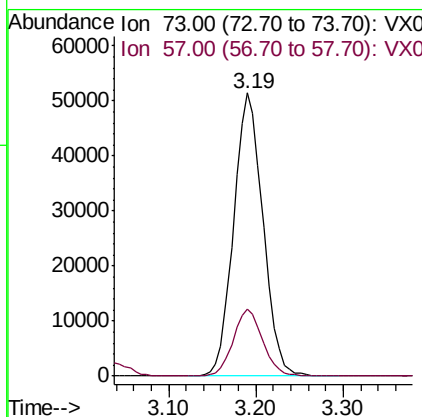
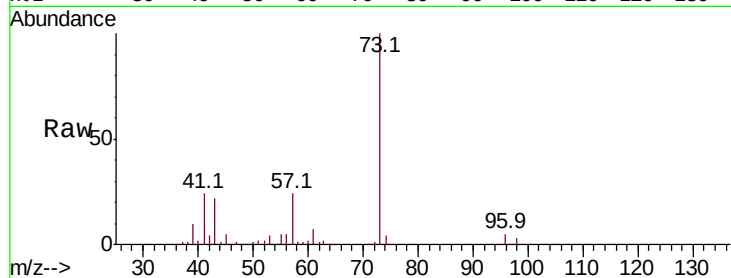
#19
Methyl tert-butyl Ether
Concen: 19.128 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.7	19.3	28.9

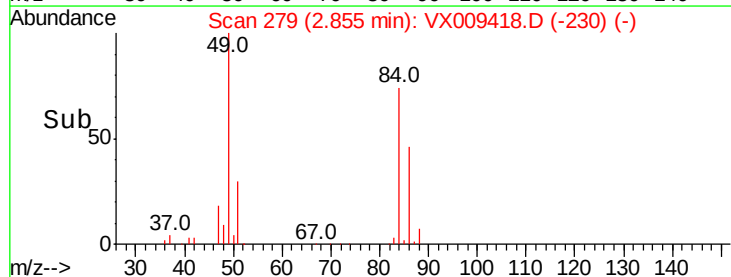
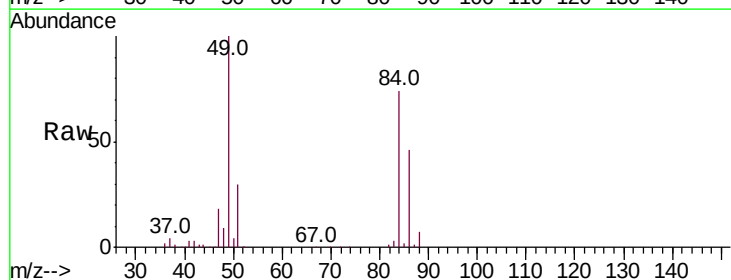
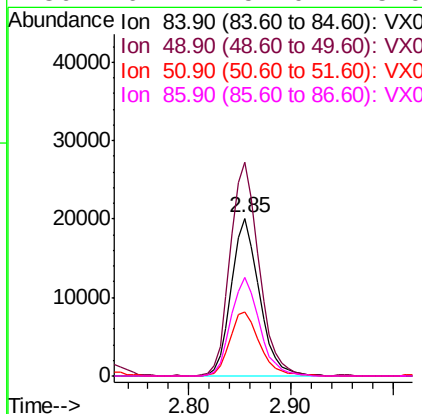
Manual Integrations
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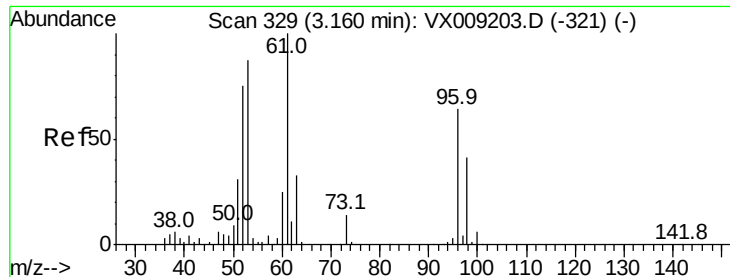
MMDadoda
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#20
Methylene Chloride
Concen: 18.728 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Tgt Ion	Ratio	Lower	Upper
84	100		
49	135.2	109.9	164.9
51	40.9	32.7	49.1
86	62.4	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 19.770 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBS01

Tot Ion: 96 Resp: 34603

Ion Ratio Lower Upper

96 100

61 156.1 124.5 186.7

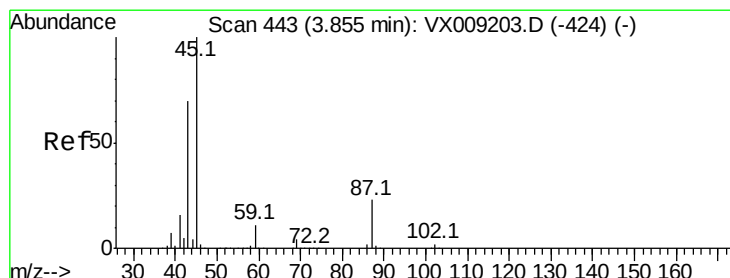
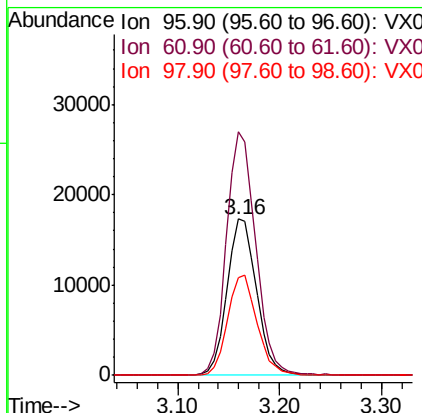
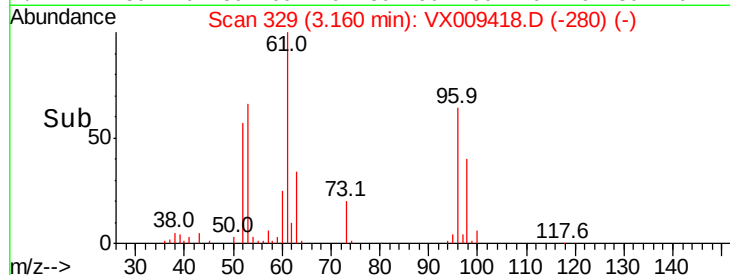
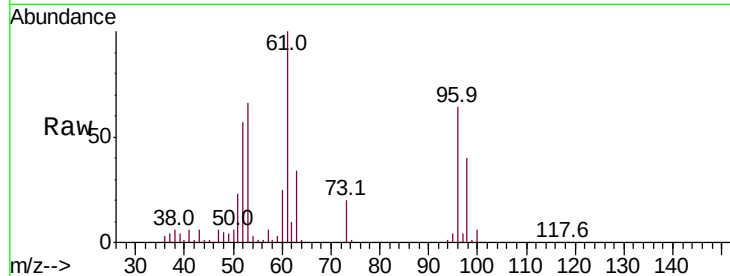
98 62.7 50.4 75.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 19.073 ug/l

RT: 3.85 min Scan# 442

Delta R.T. -0.01 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

Tgt Ion: 45 Resp: 144261

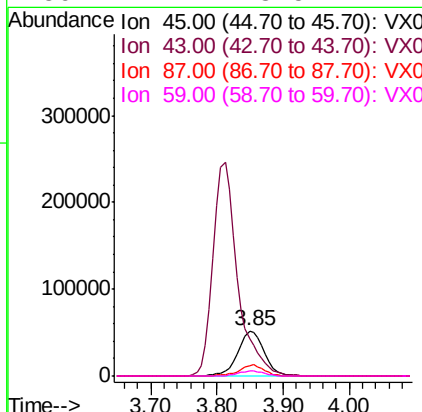
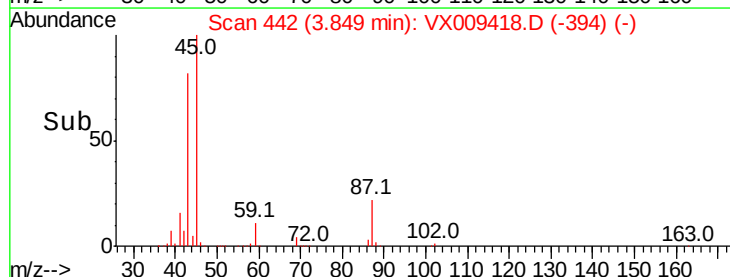
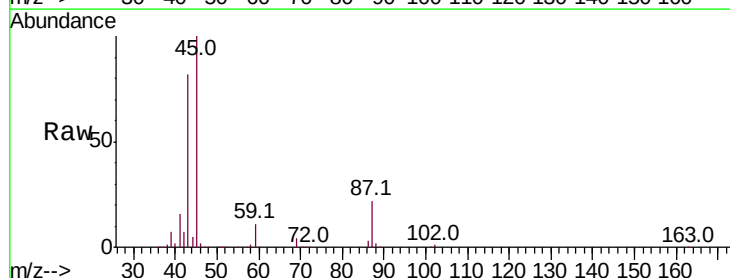
Ion Ratio Lower Upper

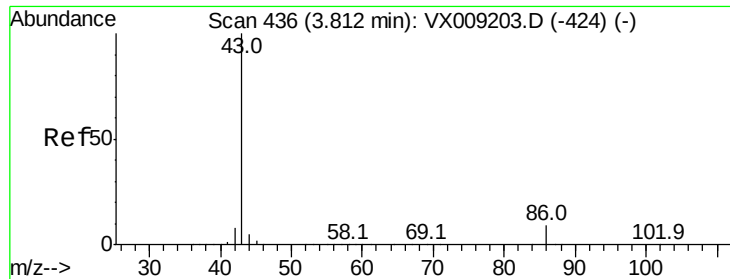
45 100

43 81.7 56.1 84.1

87 22.4 18.1 27.1

59 11.1 8.5 12.7





#23

Vinyl Acetate

Concen: 98.376 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBS01

Tot Ion: 43 Resp: 637161

Ion Ratio Lower Upper

43 100

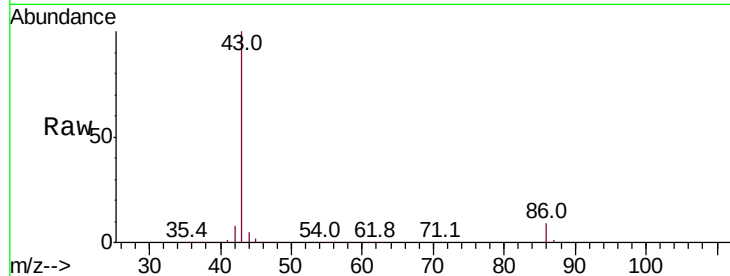
86 8.6 6.9 10.3

Manual Integrations

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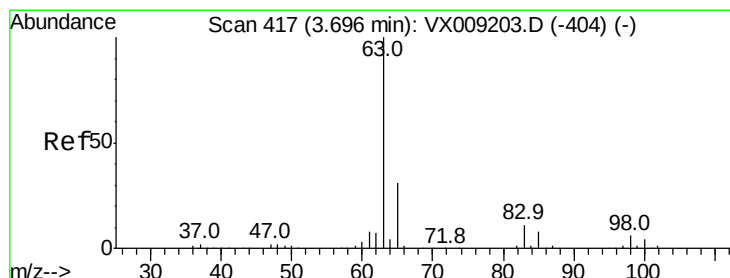
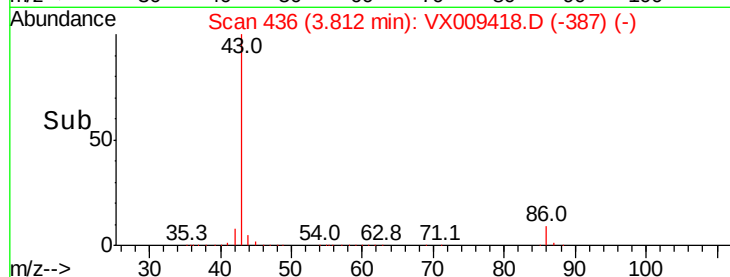
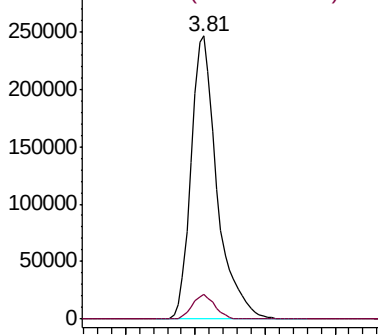
MMDadoda

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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: 18.996 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

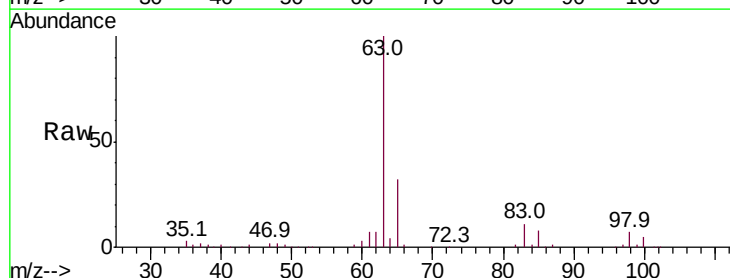
Tgt Ion: 63 Resp: 70878

Ion Ratio Lower Upper

63 100

98 6.6 3.0 9.2

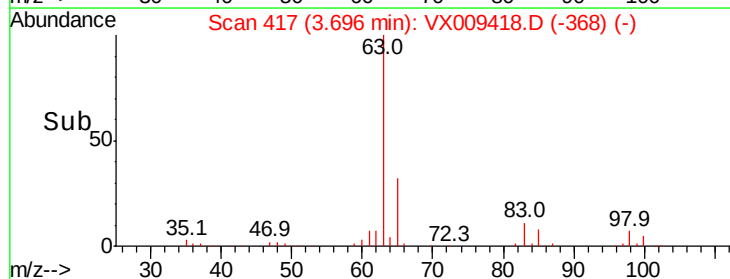
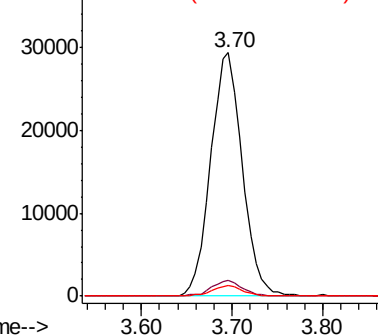
100 4.6 2.0 6.0

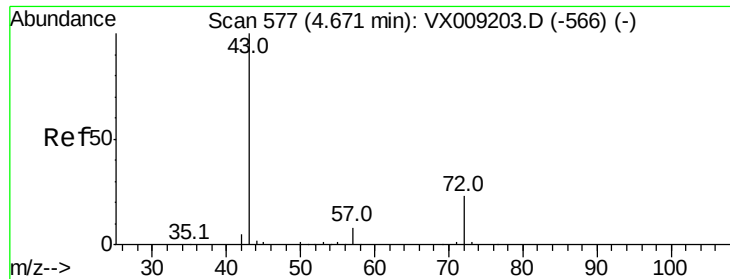


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 91.581 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.01 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBS01

Tot Ion: 43 Resp: 179429

Ion Ratio Lower Upper

43 100

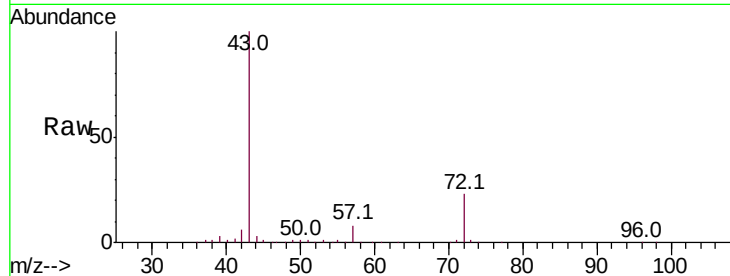
72 23.1 18.2 27.2

Manual Integrations

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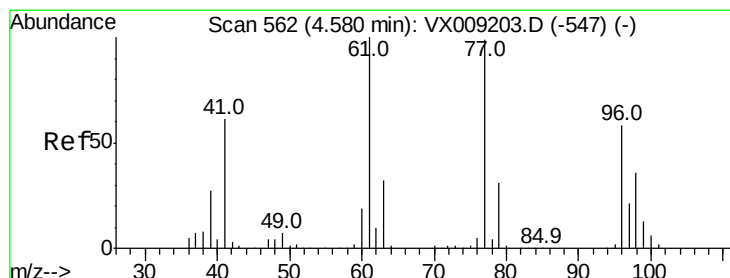
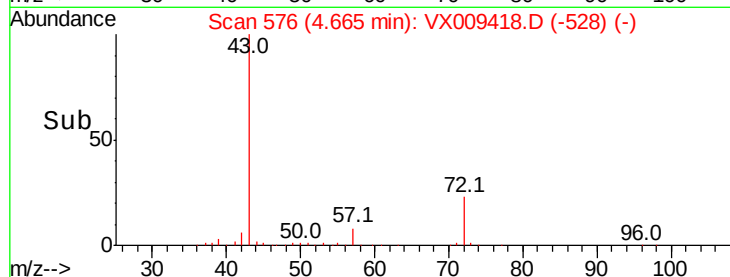
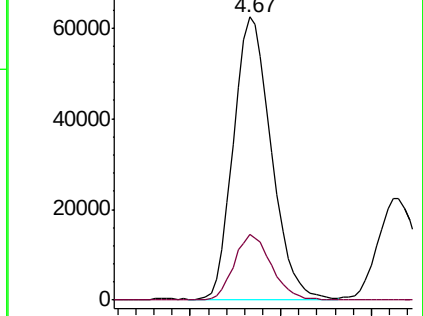
MMDadoda

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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: 18.865 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX009418.D

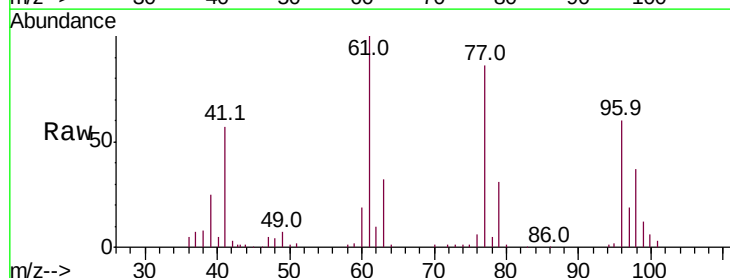
Acq: 09 May 2019 11:31

Tgt Ion: 77 Resp: 52393

Ion Ratio Lower Upper

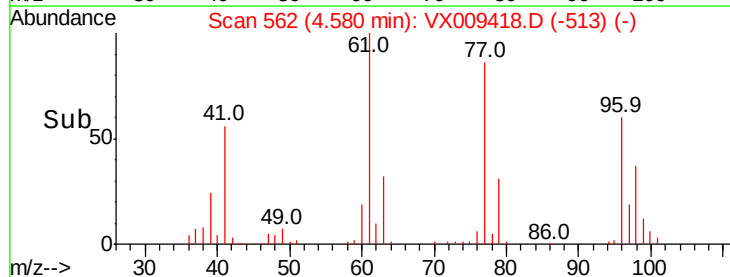
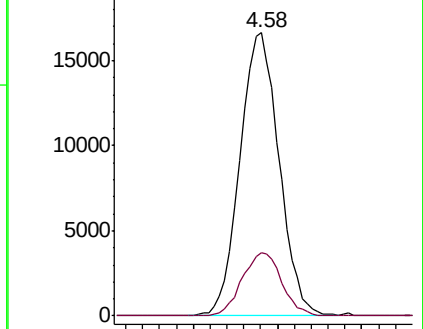
77 100

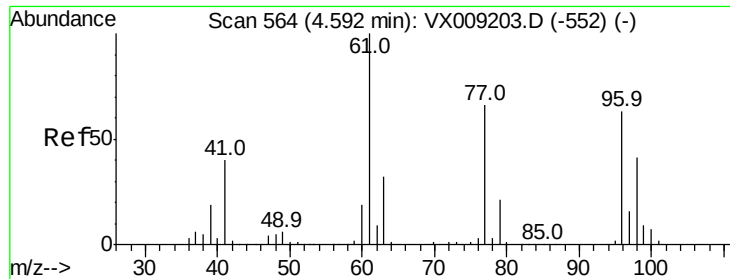
97 22.7 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

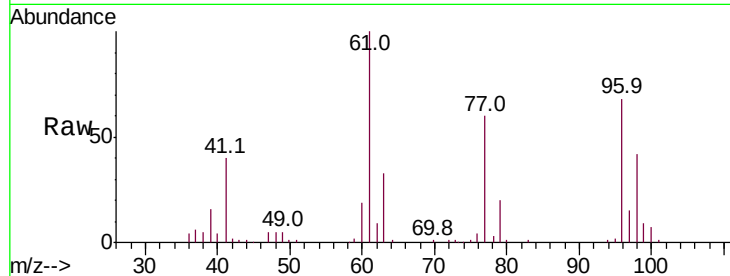
cis-1,2-Dichloroethene
Concen: 19.593 ug/l
RT: 4.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	158.8	0.0	324.0
98	63.4	0.0	130.4

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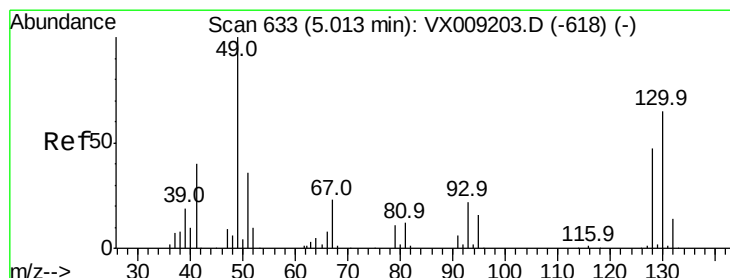
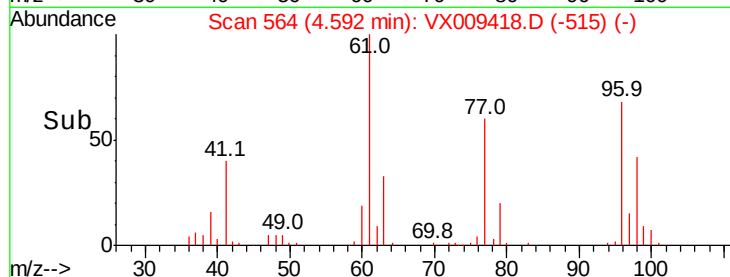
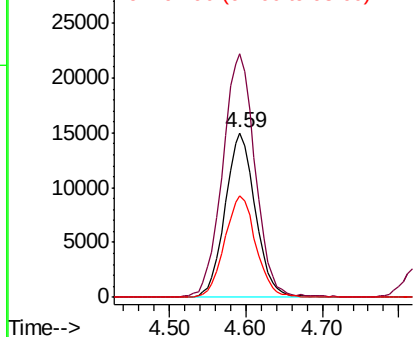


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

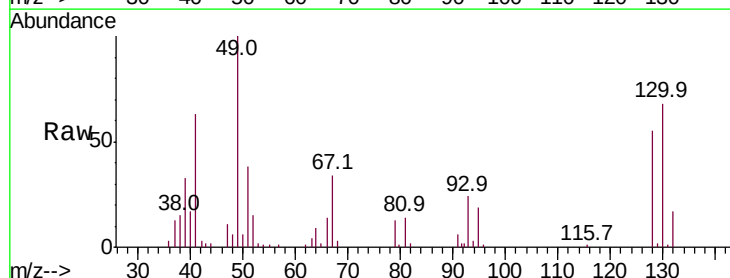
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
Concen: 17.575 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	64.9	51.2	76.8

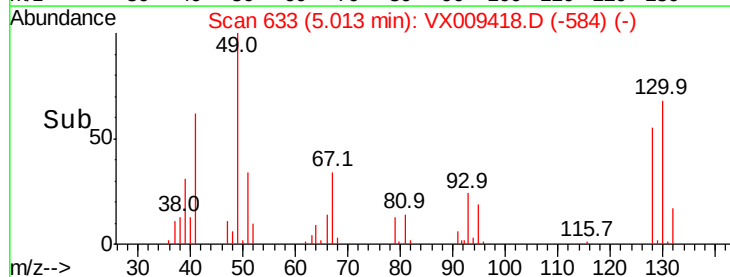
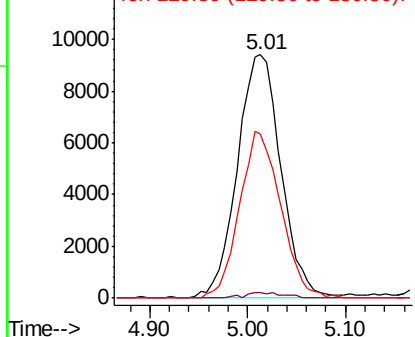


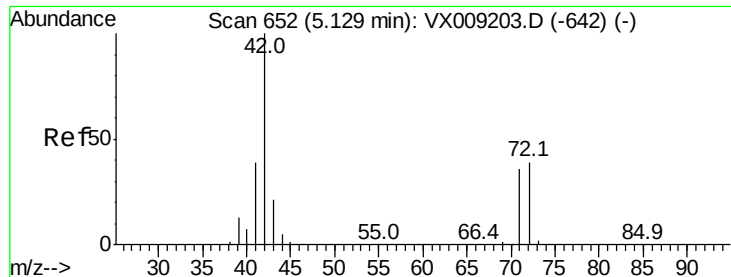
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





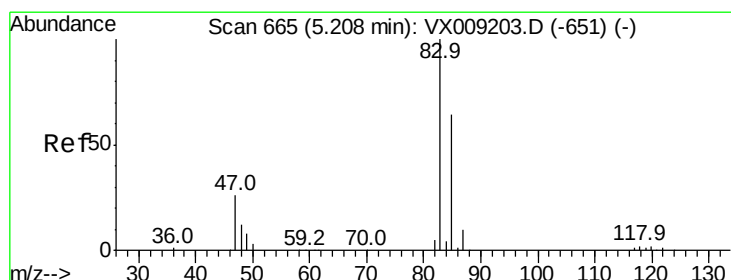
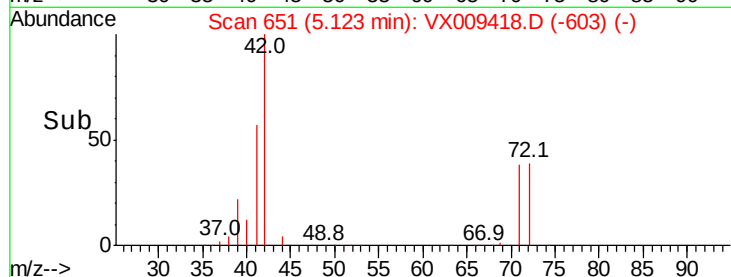
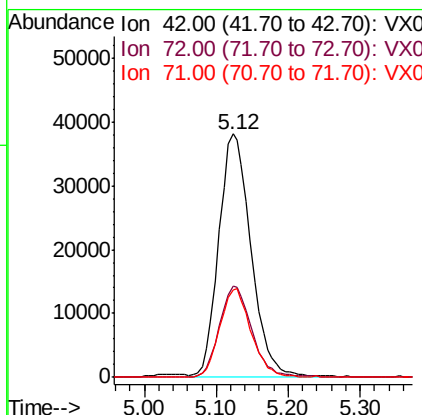
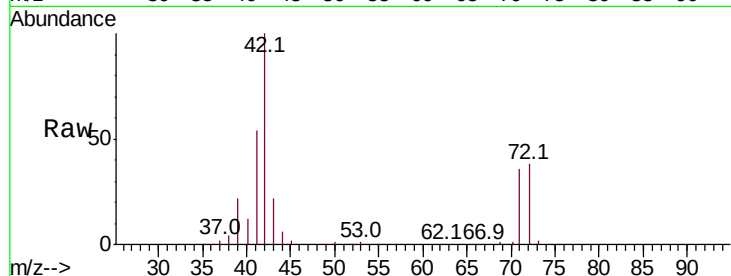
#29
Tetrahydrofuran
Concen: 93.635 ug/l
RT: 5.12 min Scan# 651
Delta R.T. -0.01 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.9	30.4	45.6
71	35.7	28.6	43.0

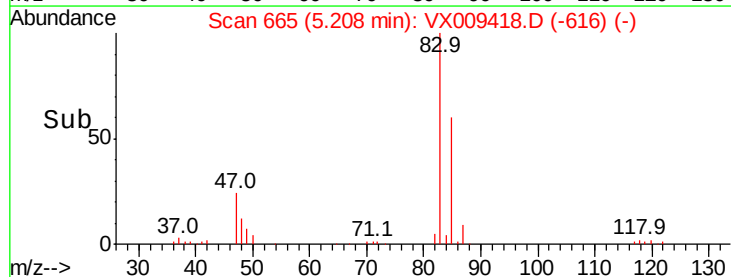
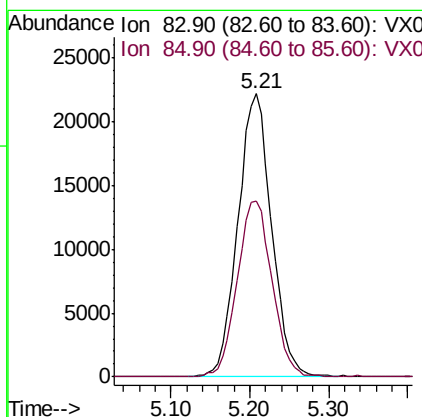
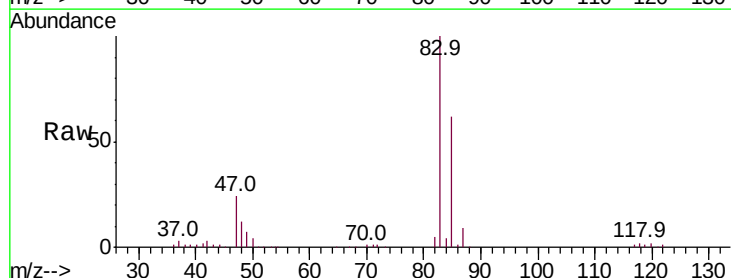
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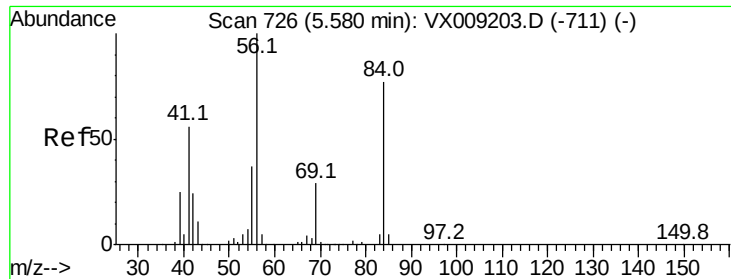
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5/10/2019 1:11:51 PM



#30
Chloroform
Concen: 19.534 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.1	51.5	77.3





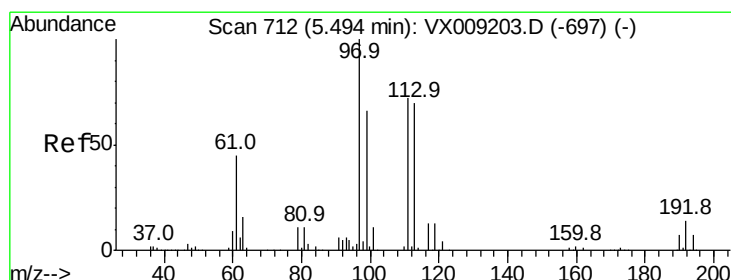
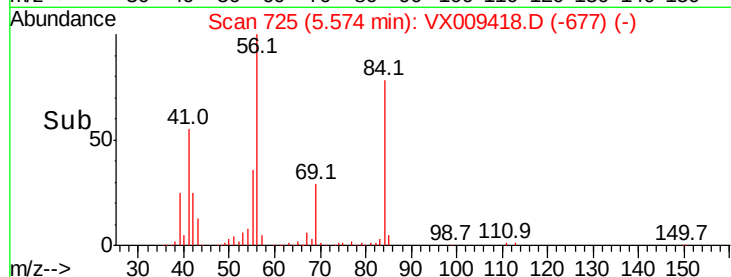
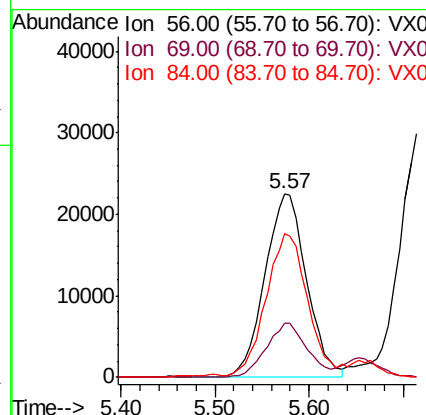
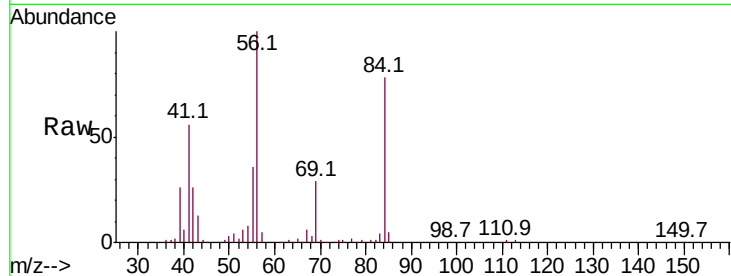
#31
Cyclohexane
Concen: 20.090 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.01 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.8	23.4	35.0
84	77.6	61.9	92.9

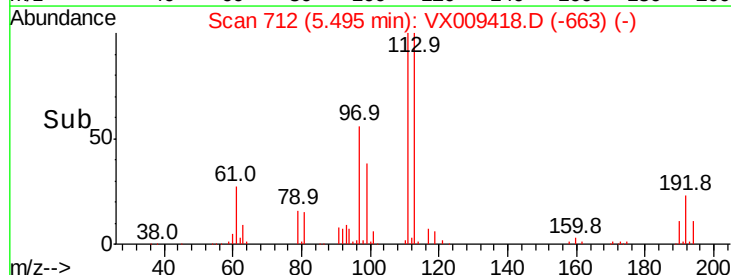
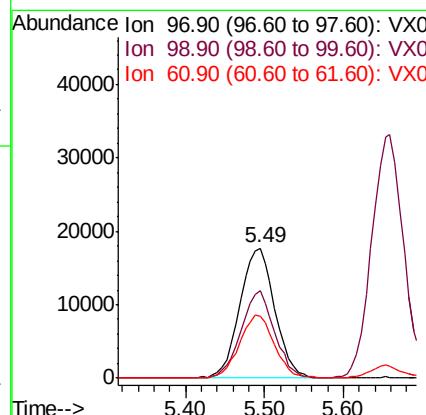
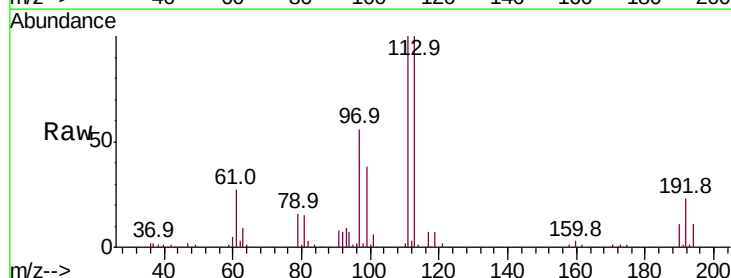
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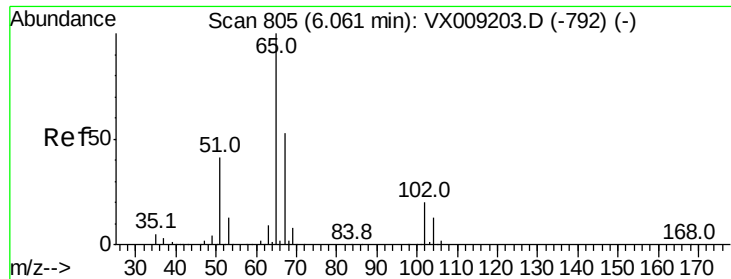
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5/10/2019 1:11:51 PM



#32
1,1,1-Trichloroethane
Concen: 19.390 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.8	77.8
61	48.5	37.8	56.8





#33

1,2-Dichloroethane-d4

Concen: 50.756 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

Instrument :

MSVOA_X

ClientSampled :

VX0509WBS01

Tot Ion: 65 Resp: 119177

Ion Ratio Lower Upper

65 100

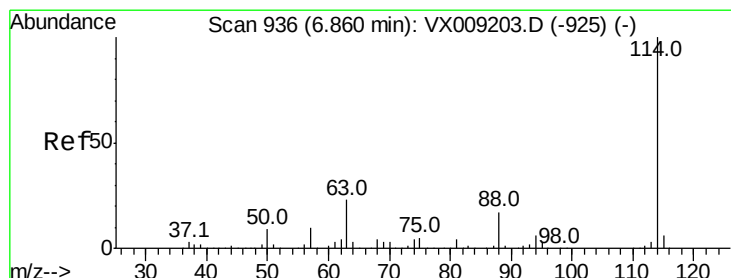
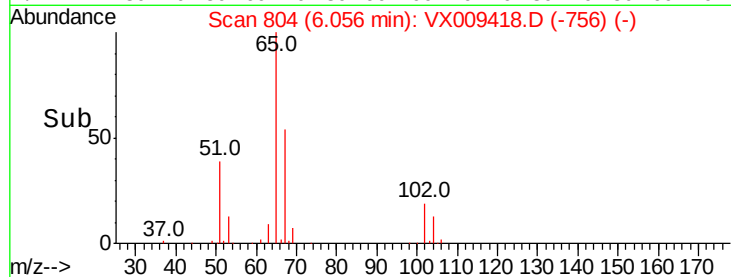
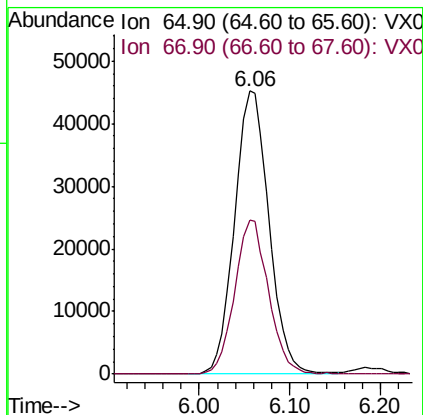
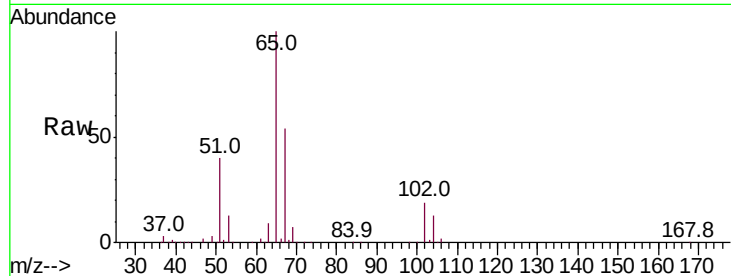
67 53.1 0.0 106.6

Manual Integrations

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5/10/2019 1:11:51 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

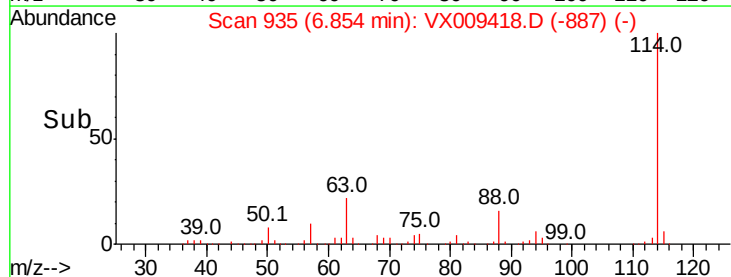
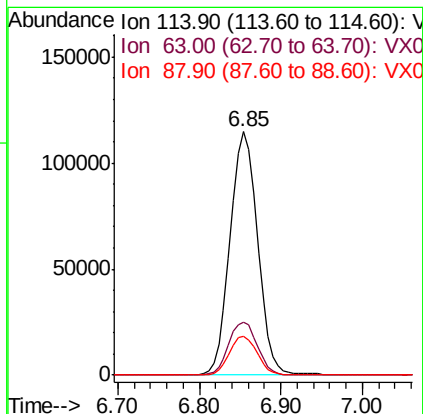
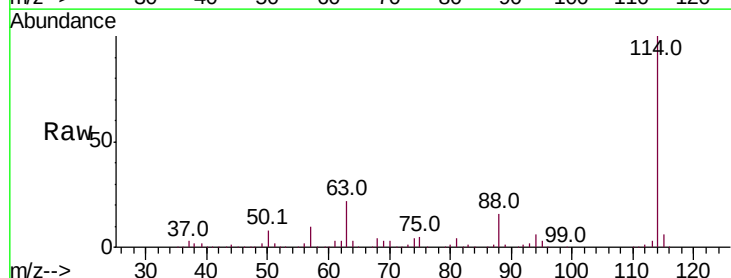
Tgt Ion: 114 Resp: 268648

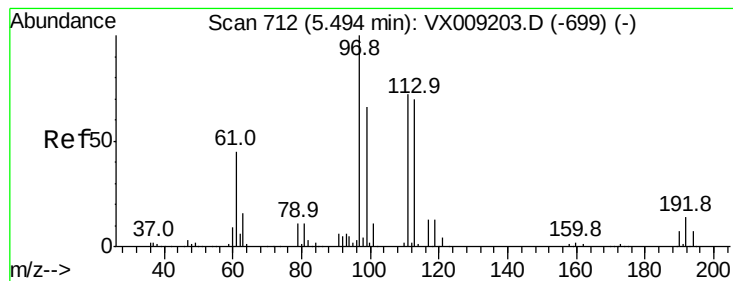
Ion Ratio Lower Upper

114 100

63 22.0 0.0 45.6

88 15.8 0.0 33.2





#35

Dibromofluoromethane

Concen: 52.594 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

Instrument :

MSVOA_X

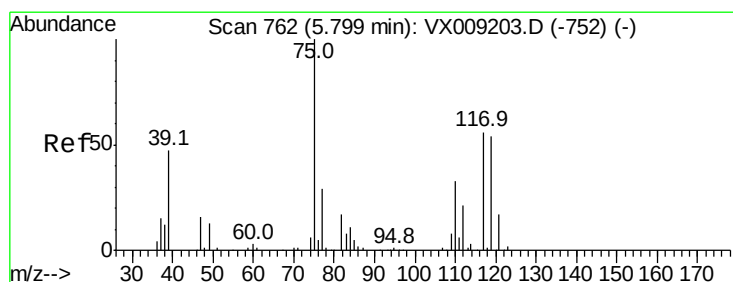
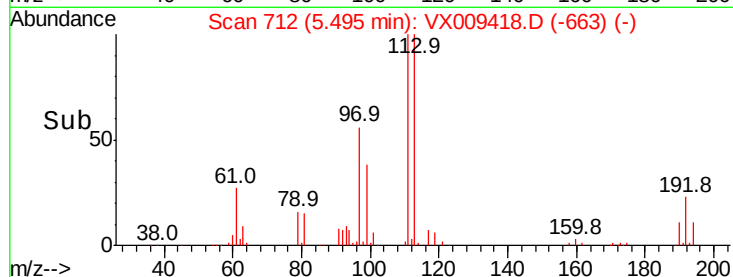
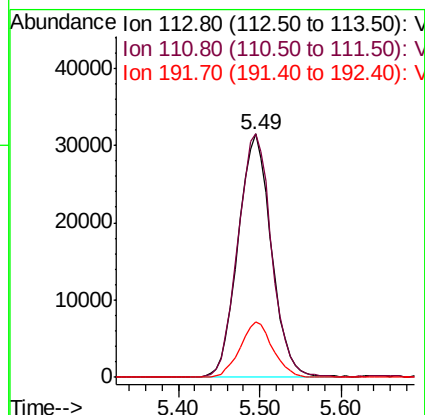
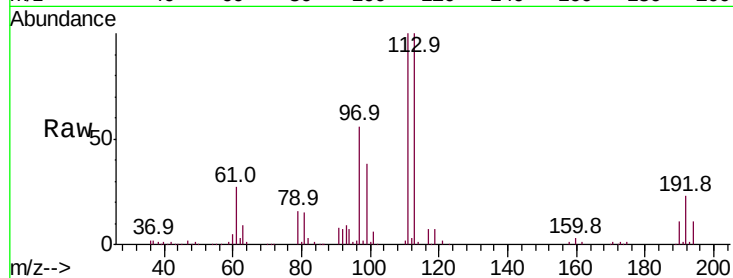
ClientSampleId :

VX0509WBS01

Tot Ion:	113	Resp:	88822
Ion Ratio	Lower	Upper	
113	100		
111	101.6	82.8	124.2
192	22.3	17.0	25.6

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5/10/2019 1:11:51 PM



#36

1,1-Dichloropropene

Concen: 20.432 ug/l

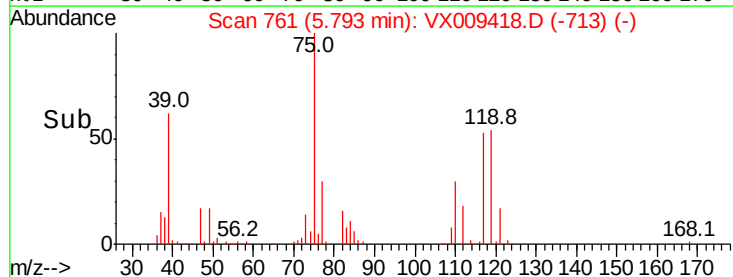
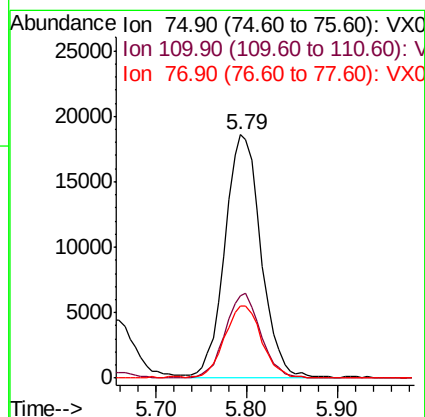
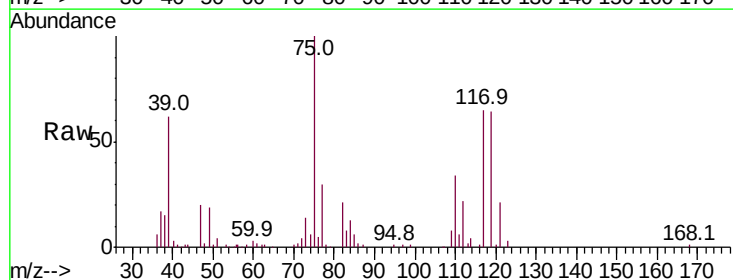
RT: 5.79 min Scan# 761

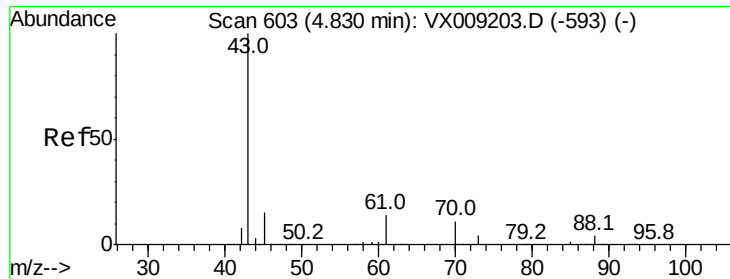
Delta R.T. -0.01 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

Tgt Ion:	75	Resp:	51010
Ion Ratio	Lower	Upper	
75	100		
110	34.3	16.9	50.6
77	30.9	24.8	37.2





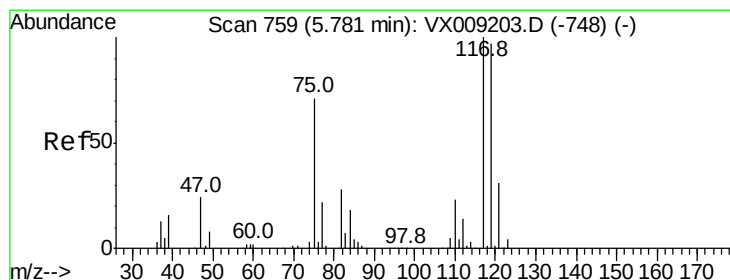
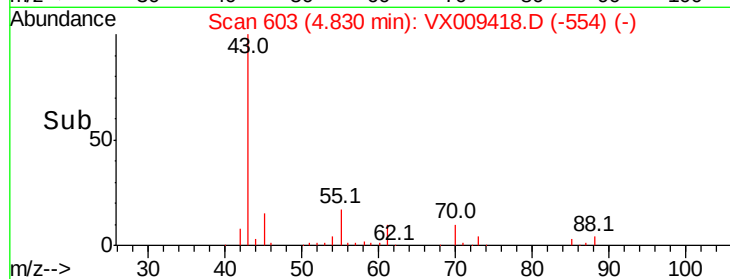
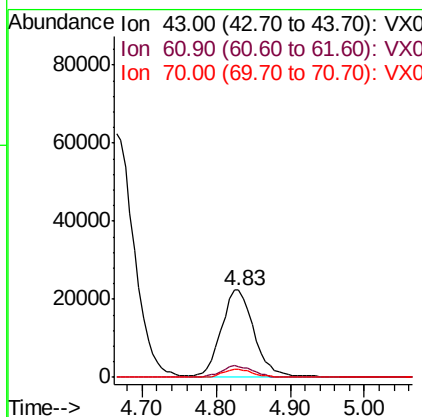
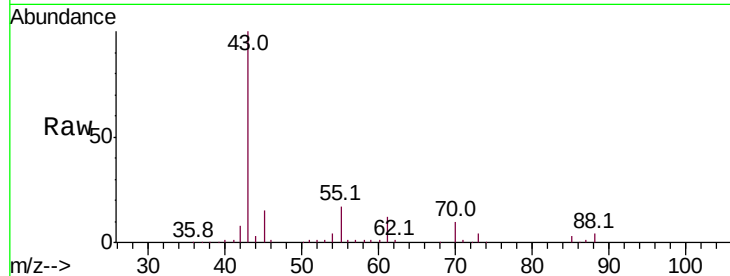
#37
Ethyl Acetate
Concen: 19.527 ug/l
RT: 4.83 min Scan# 603
Delta R.T. 0.00 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.5	15.7
70	9.2	7.9	11.9

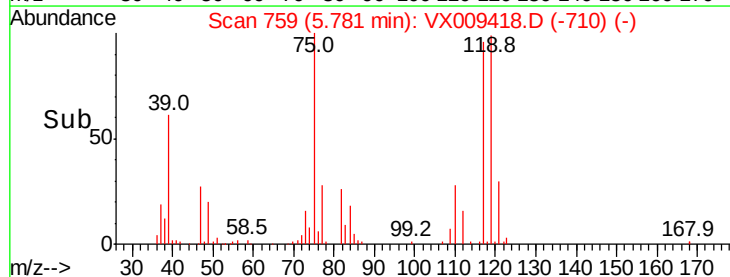
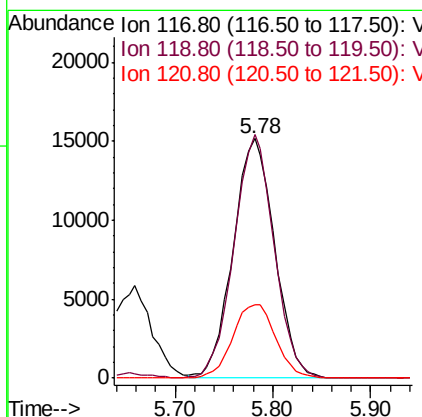
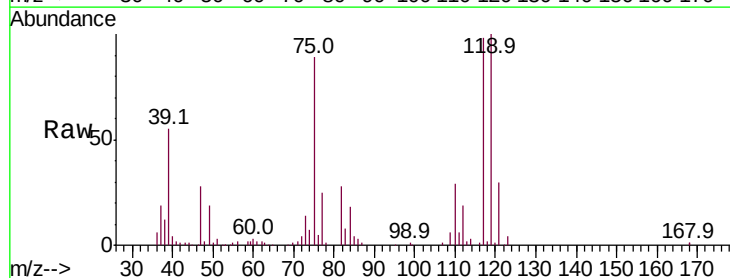
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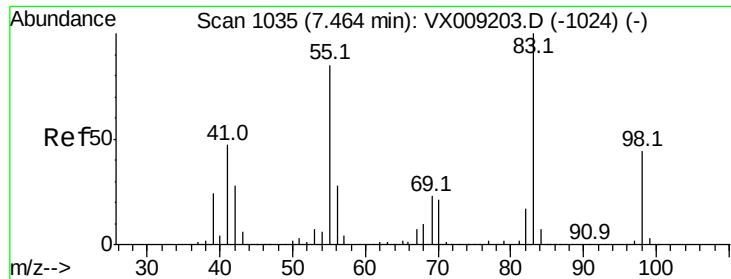
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5/10/2019 1:11:51 PM



#38
Carbon Tetrachloride
Concen: 19.660 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.8	77.5	116.3
121	30.9	24.7	37.1





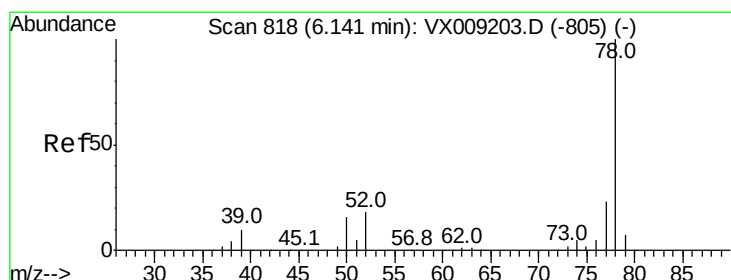
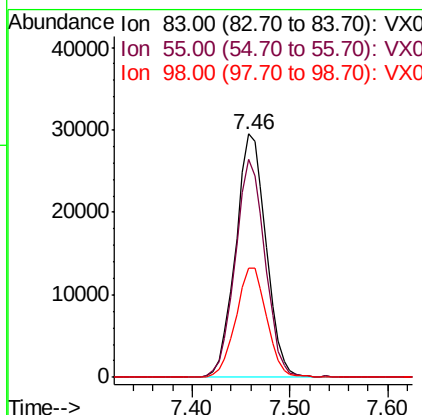
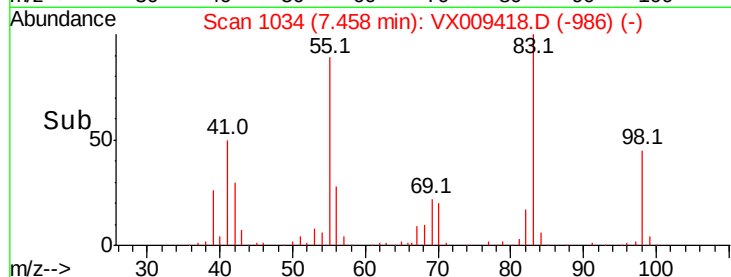
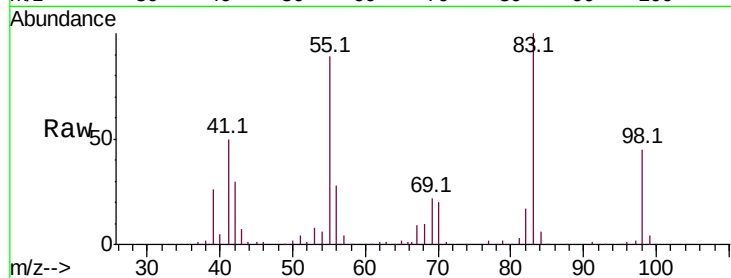
#39
Methylvlcyclohexane
Concen: 20.854 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.3	67.7	101.5
98	45.1	35.5	53.3

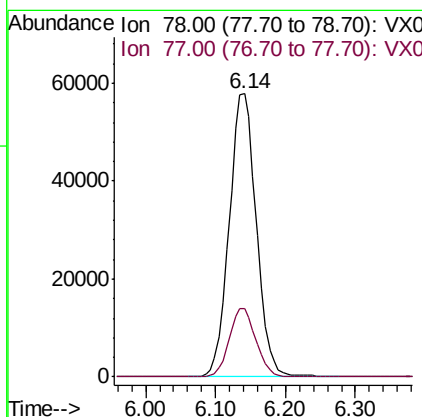
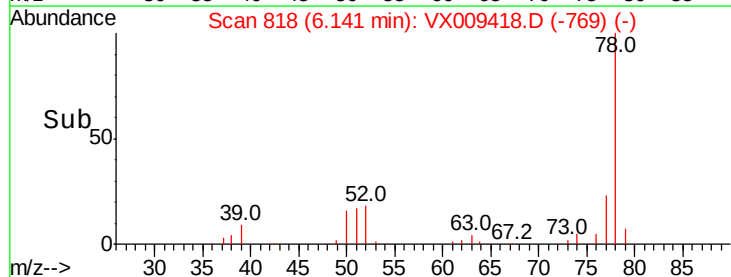
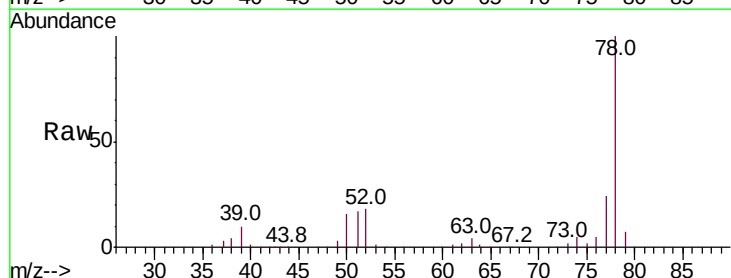
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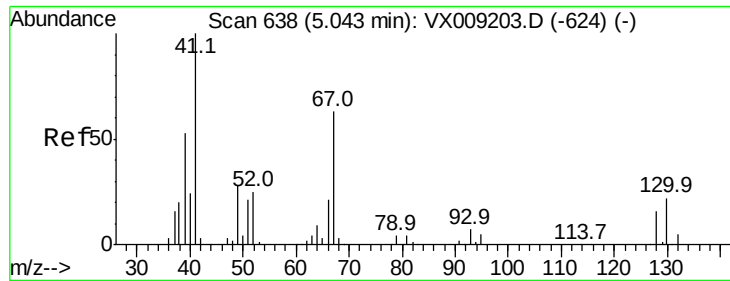
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#40
Benzene
Concen: 20.157 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.8	28.2





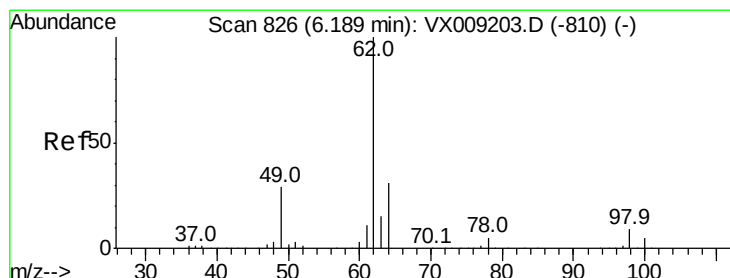
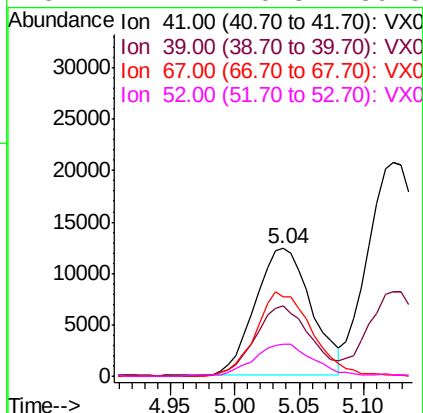
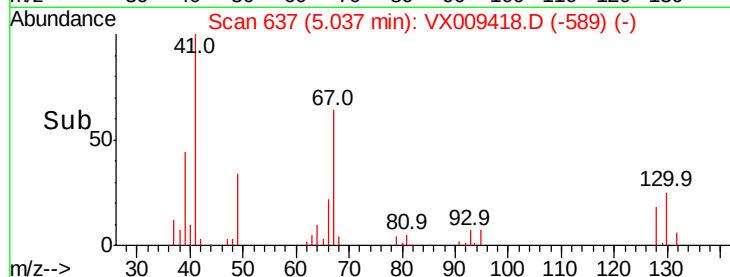
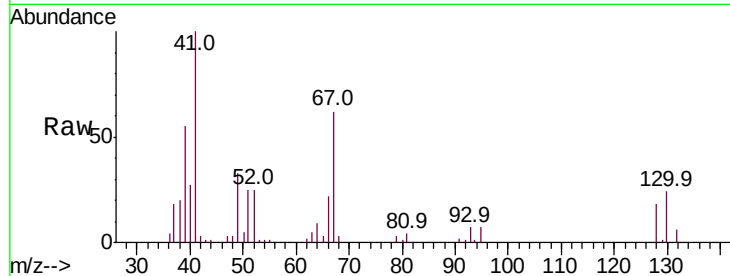
#41
Methacrylonitrile
Concen: 18.133 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.1	42.0	63.0	
67	66.2	49.8	74.8	
52	27.4	20.3	30.5	

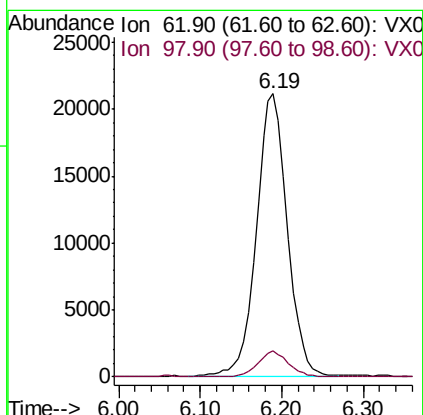
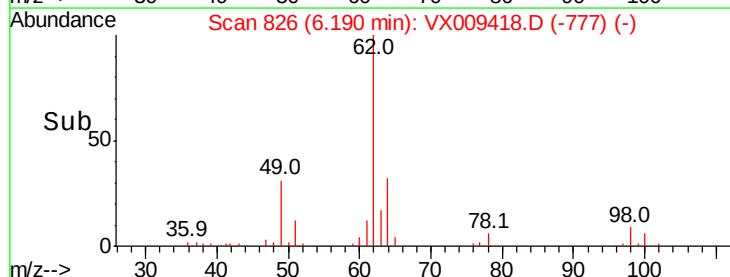
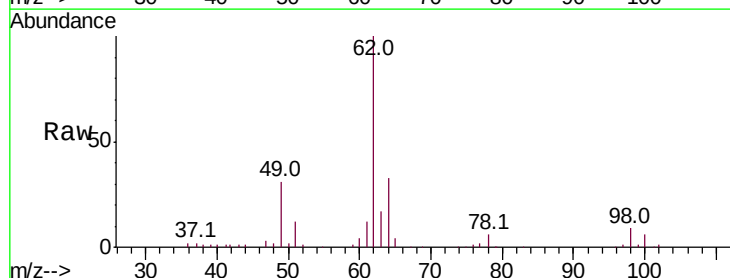
Manual Integrations
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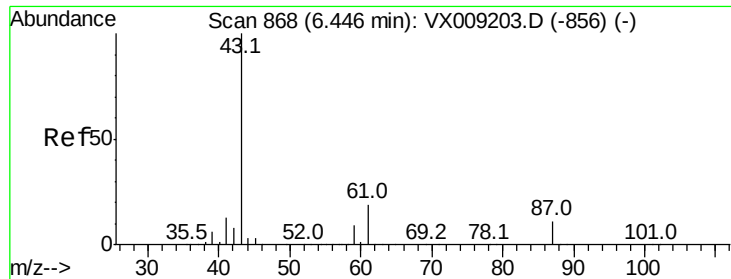
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#42
1,2-Dichloroethane
Concen: 20.201 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.00 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.8	0.0	18.2	





#43

Isopropyl Acetate

Concen: 18.961 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.01 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

Instrument :

MSVOA_X

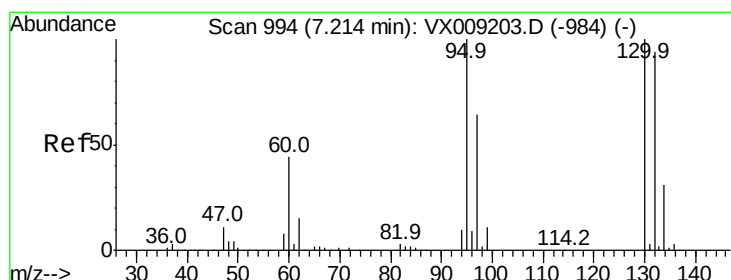
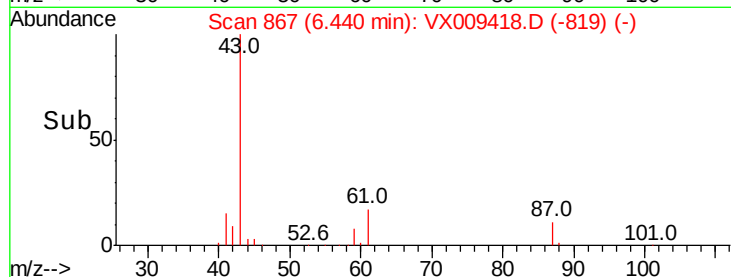
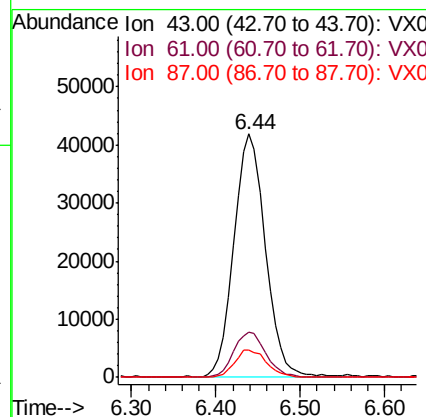
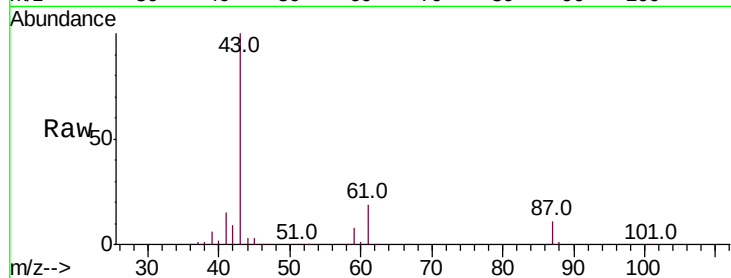
ClientSampleId :

VX0509WBS01

Tot Ion:	43	Resp:	105499
Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.1	22.7
87	11.4	9.0	13.6

Manual Integrations
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MMDadoda
5/10/2019 1:11:51 PM



#44

Trichloroethene

Concen: 20.307 ug/l

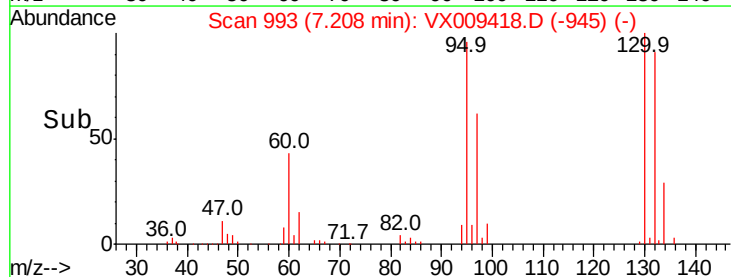
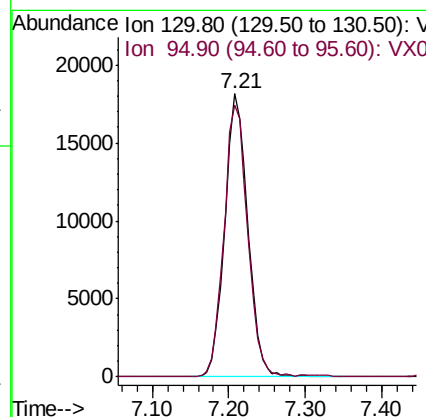
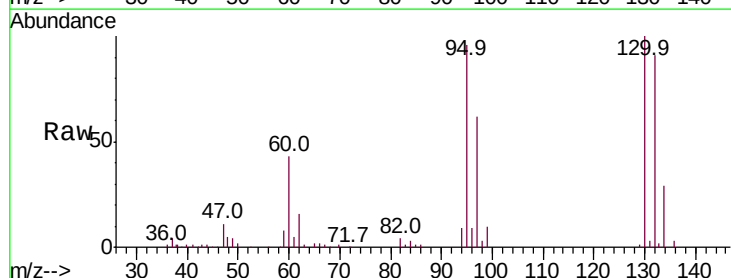
RT: 7.21 min Scan# 993

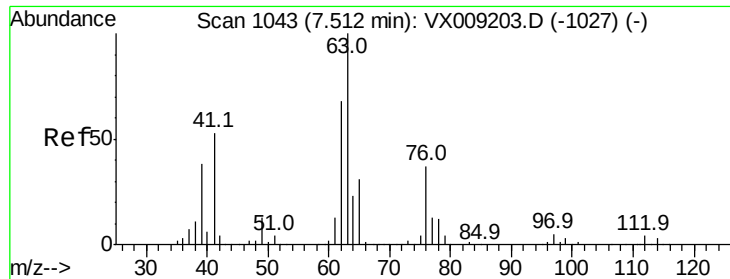
Delta R.T. -0.01 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

Tgt Ion:	130	Resp:	37931
Ion	Ratio	Lower	Upper
130	100		
95	96.2	0.0	199.2





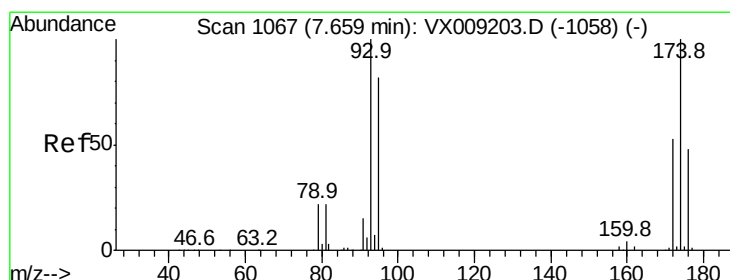
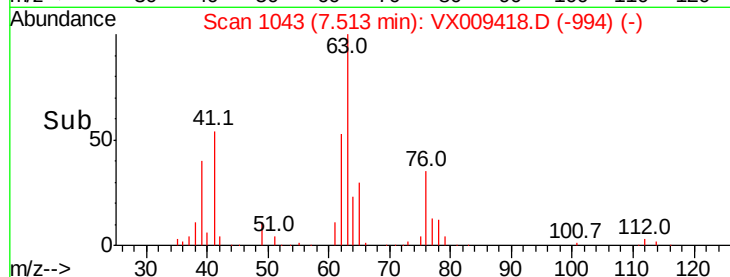
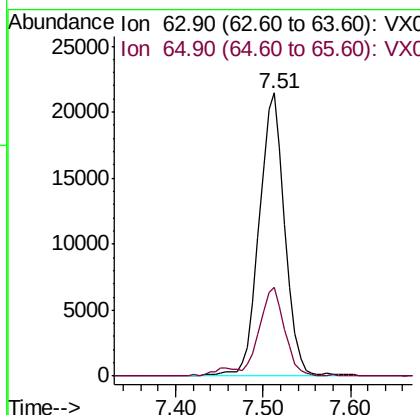
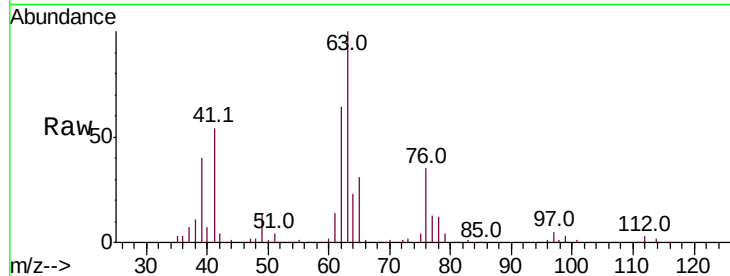
#45
 1,2-Dichloropropane
 Concen: 20.094 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX009418.D
 Acq: 09 May 2019 11:31

Instrument :
 MSVOA_X
 ClientSampled :
 VX0509WBS01

Tot Ion: 63 Resp: 43962
 Ion Ratio Lower Upper
 63 100
 65 31.4 25.0 37.6

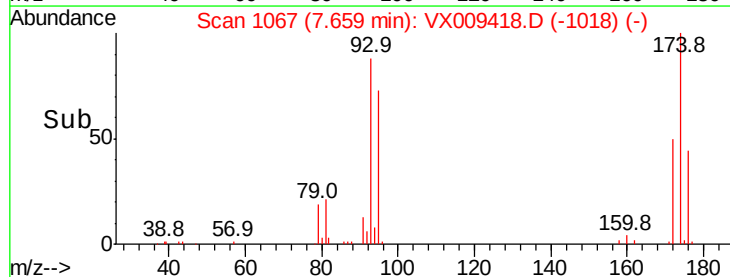
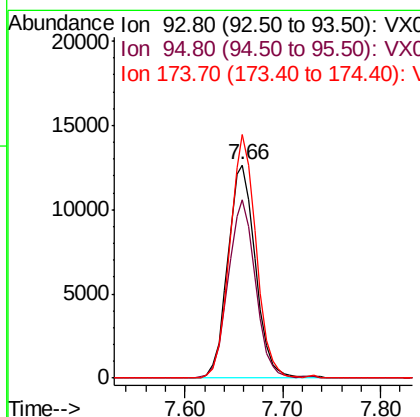
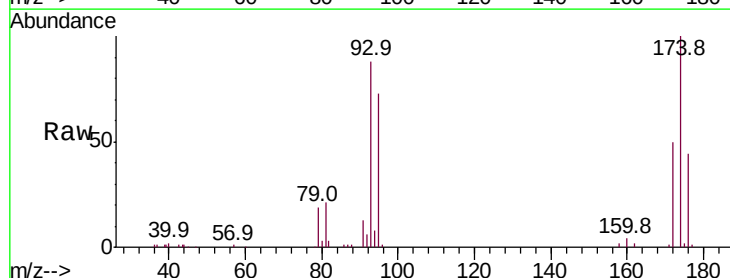
Manual Integrations
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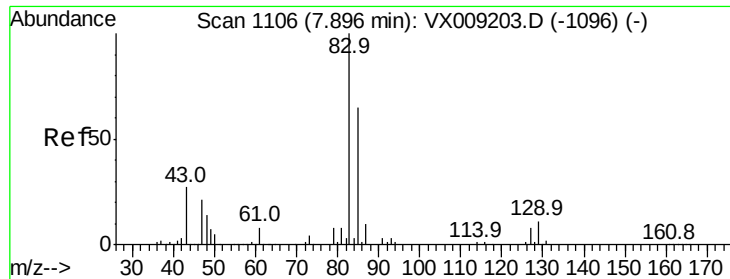
MMDadoda
 5/10/2019 1:11:51 PM



#46
 Dibromomethane
 Concen: 19.441 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX009418.D
 Acq: 09 May 2019 11:31

Tgt Ion: 93 Resp: 24700
 Ion Ratio Lower Upper
 93 100
 95 82.4 66.5 99.7
 174 108.5 82.1 123.1





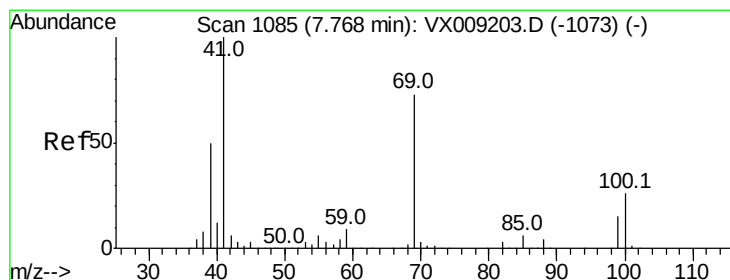
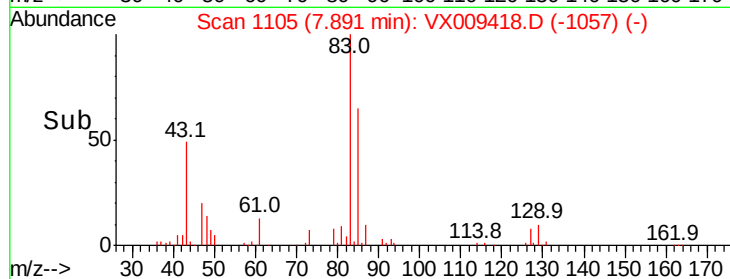
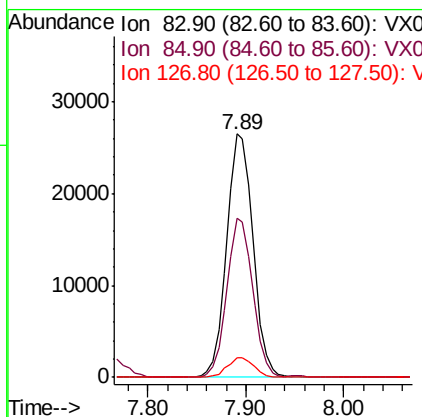
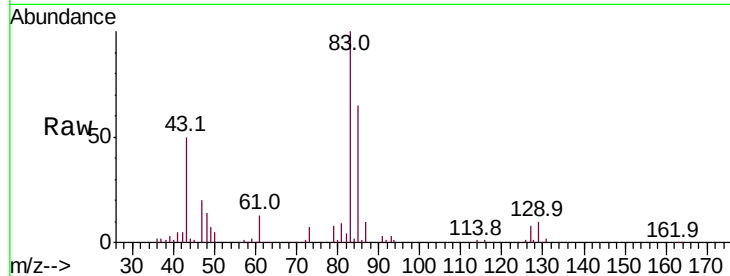
#47
Bromodichloromethane
Concen: 19.550 ug/l
RT: 7.89 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBS01

Tot Ion	83	Resp	49546
Ion Ratio	100	Lower	Upper
83	100		
85	65.3	52.4	78.6
127	8.2	6.6	10.0

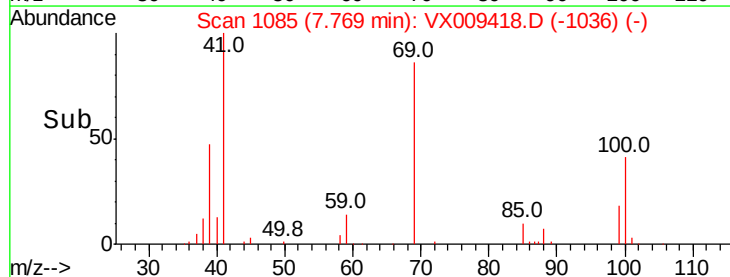
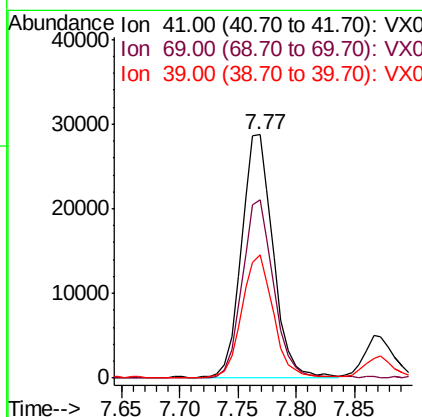
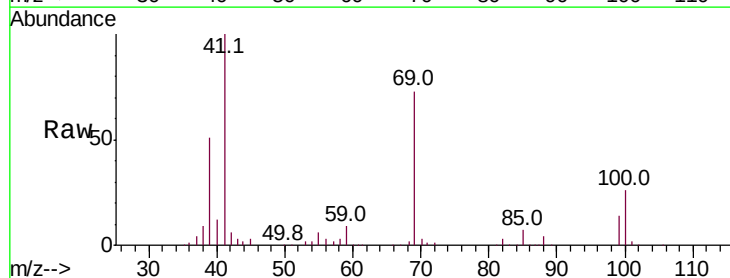
Manual Integrations
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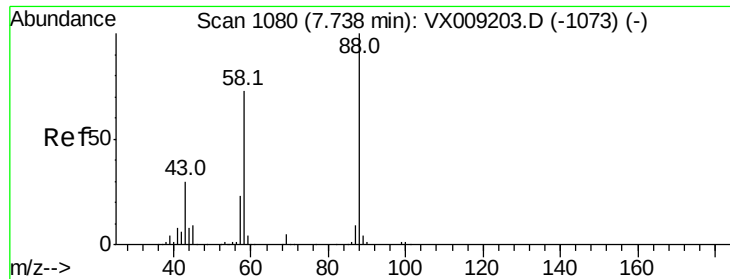
MMDadoda
5/10/2019 1:11:51 PM



#48
Methyl methacrylate
Concen: 19.470 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.00 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Tgt Ion	41	Resp	53747
Ion Ratio	100	Lower	Upper
41	100		
69	73.5	59.1	88.7
39	50.3	40.4	60.6





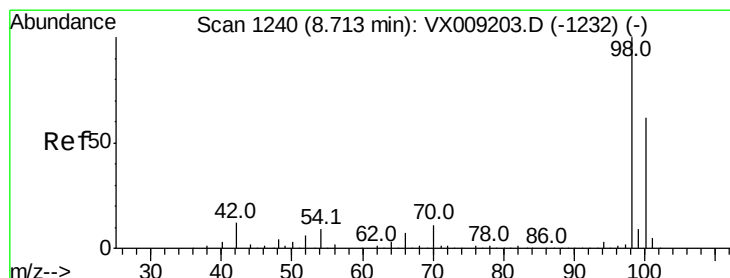
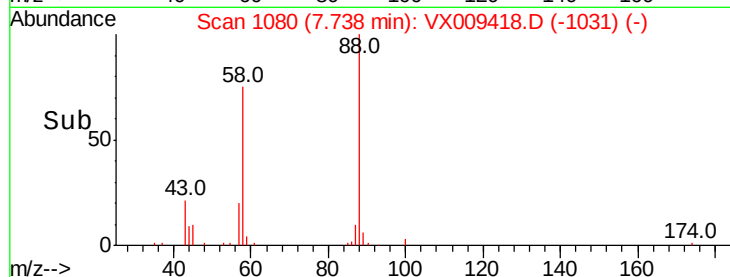
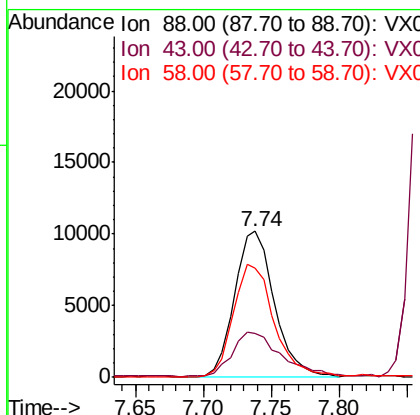
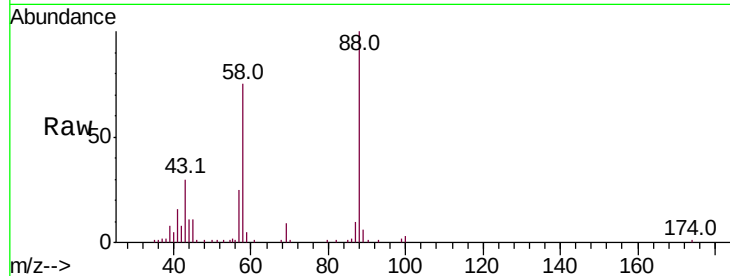
#49
1,4-Dioxane
Concen: 374.803 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.9	28.6	42.8
58	79.2	61.7	92.5

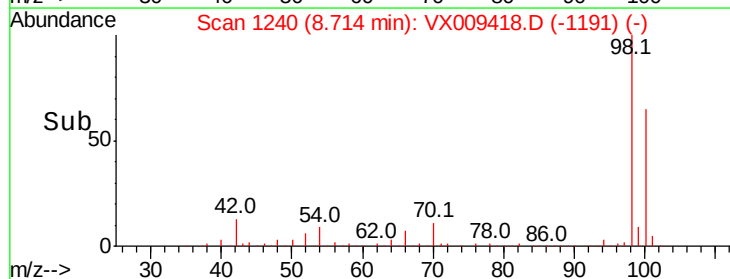
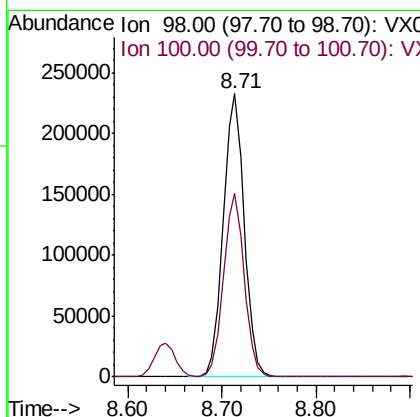
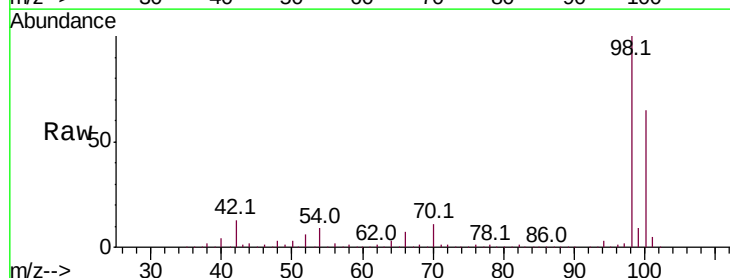
Manual Integrations
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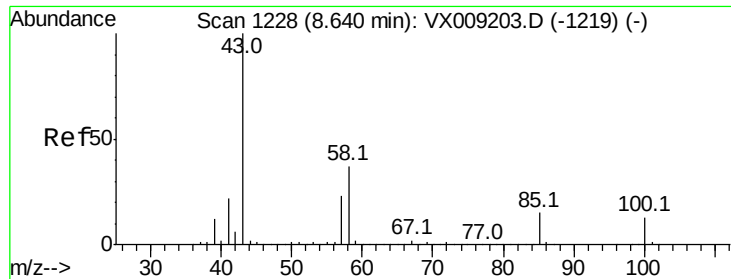
MMDadoda
5/10/2019 1:11:51 PM



#50
Toluene-d8
Concen: 52.595 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 95.597 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBS01

Tot Ion: 43 Resp: 347664

Ion Ratio Lower Upper

43 100

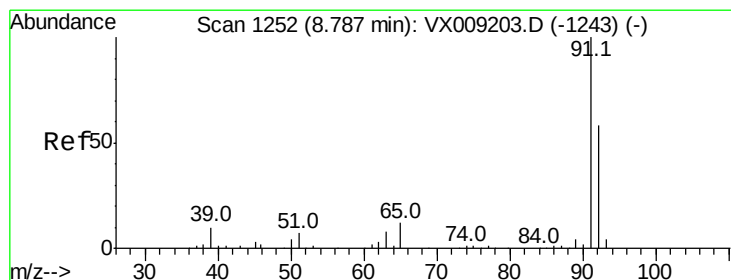
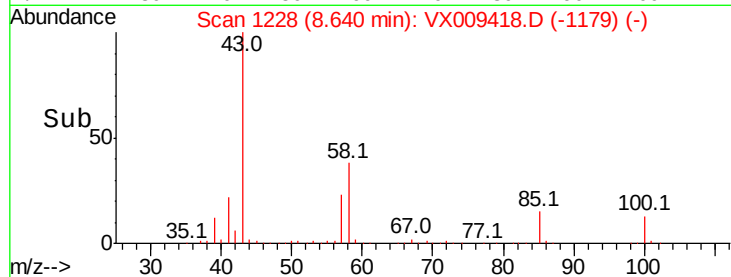
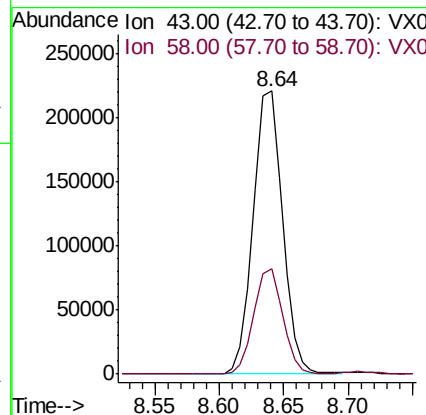
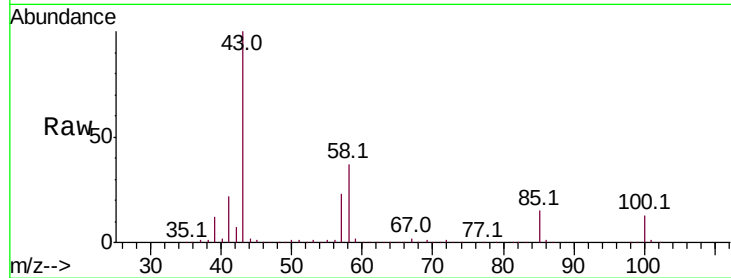
58 36.9 29.5 44.3

Manual Integrations

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MMDadoda

5/10/2019 1:11:51 PM



#52

Toluene

Concen: 20.320 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009418.D

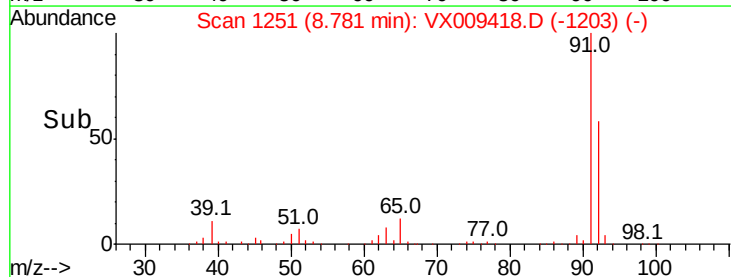
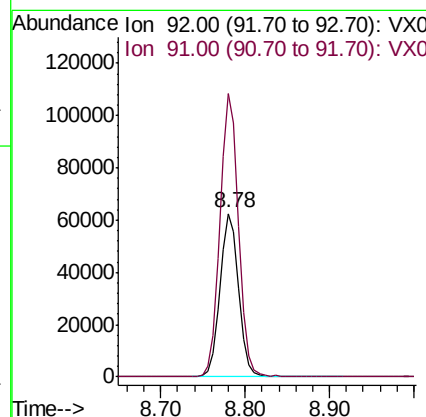
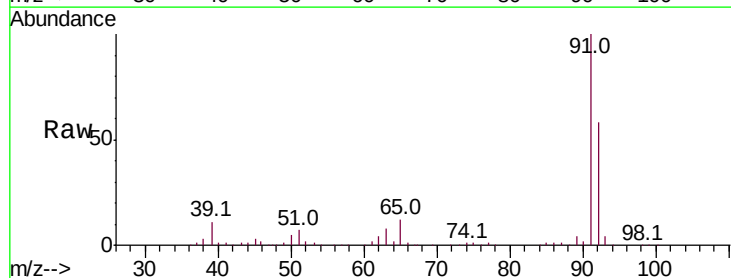
Acq: 09 May 2019 11:31

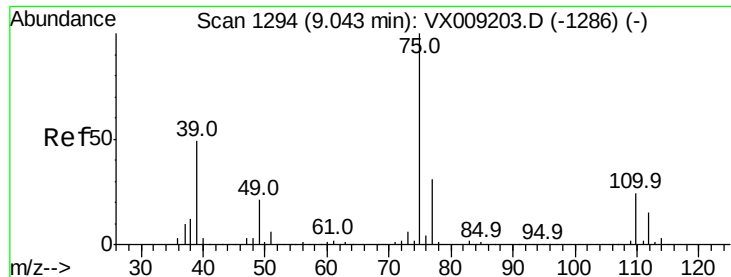
Tgt Ion: 92 Resp: 95437

Ion Ratio Lower Upper

92 100

91 173.4 138.8 208.2





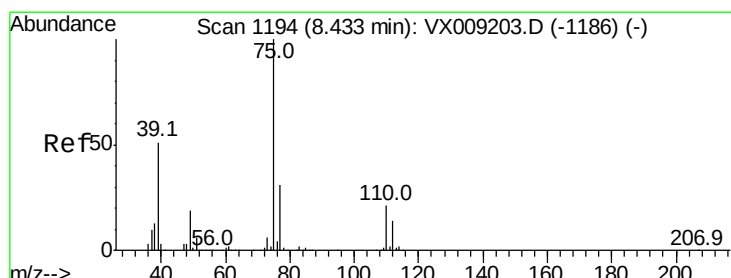
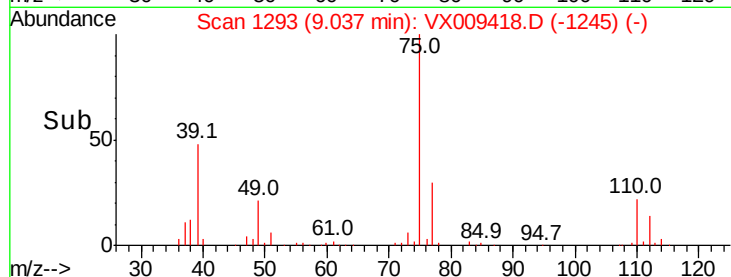
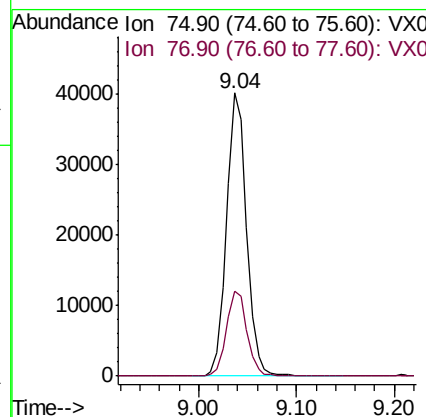
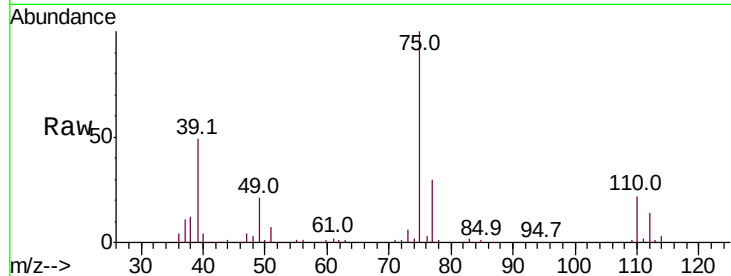
#53
 t-1,3-Dichloropropene
 Concen: 19.962 ug/l
 RT: 9.04 min Scan# 1293
 Delta R.T. -0.01 min
 Lab File: VX009418.D
 Acq: 09 May 2019 11:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBS01

Tot Ion: 75 Resp: 57116
 Ion Ratio Lower Upper
 75 100
 77 30.0 25.0 37.6

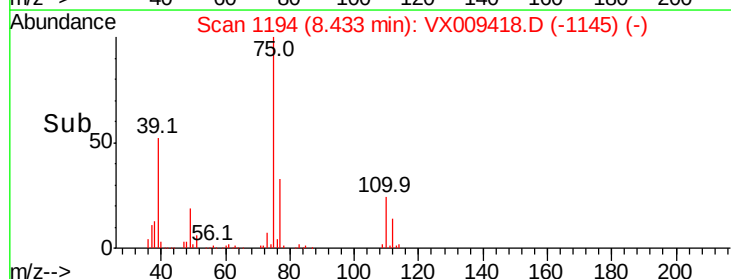
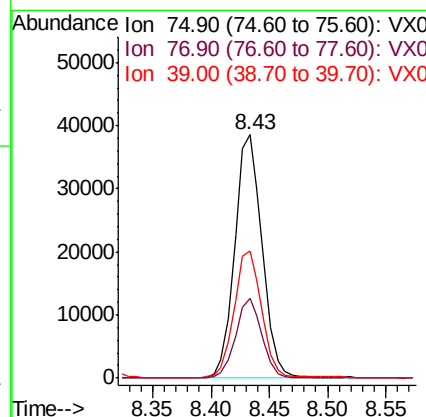
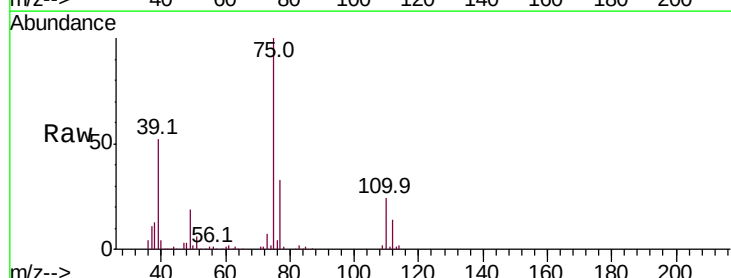
Manual Integrations
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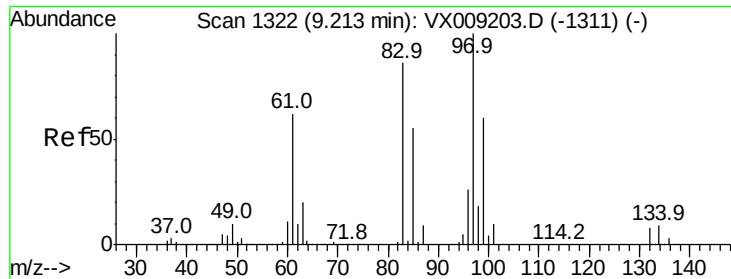
MMDadoda
 5/10/2019 1:11:51 PM



#54
 cis-1,3-Dichloropropene
 Concen: 19.875 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX009418.D
 Acq: 09 May 2019 11:31

Tgt Ion: 75 Resp: 62945
 Ion Ratio Lower Upper
 75 100
 77 32.6 24.6 36.8
 39 52.1 40.6 60.8





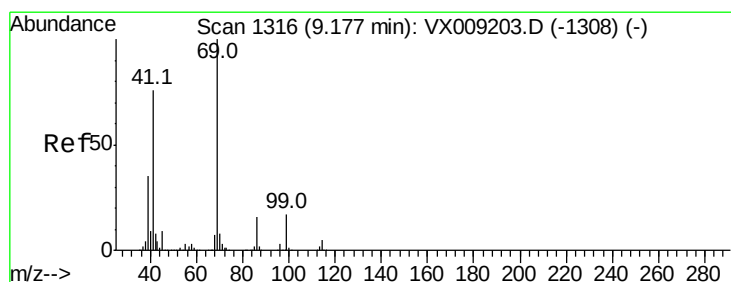
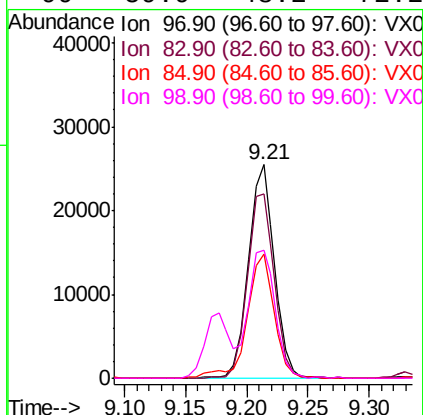
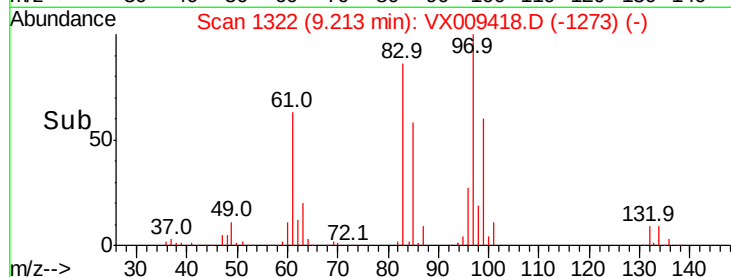
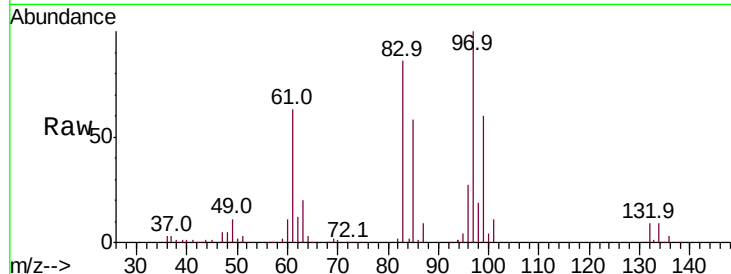
#55
 1,1,2-Trichloroethane
 Concen: 19.693 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009418.D
 Acq: 09 May 2019 11:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBS01

Tot Ion	Ratio	Resp	Lower	Upper
97	100	37735		
83	86.4	68.9	103.3	
85	57.9	43.8	65.6	
99	59.9	48.2	72.2	

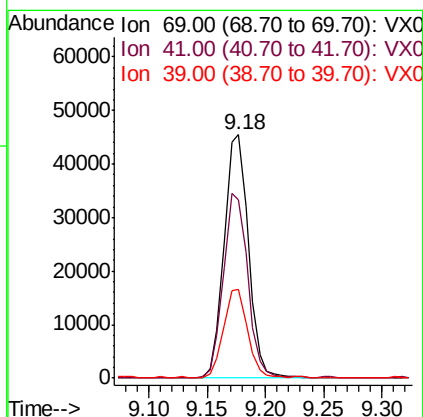
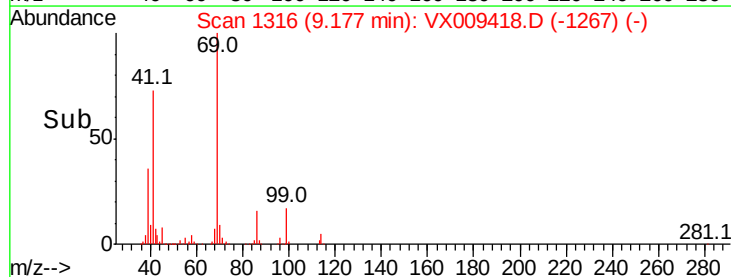
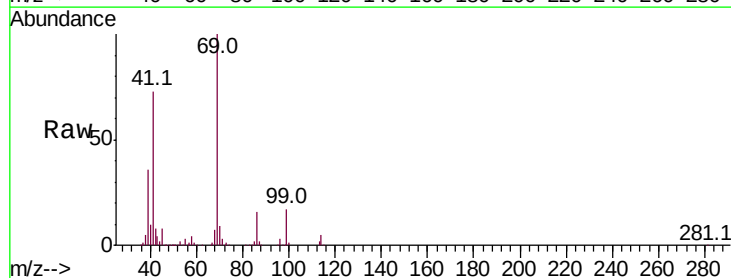
Manual Integrations
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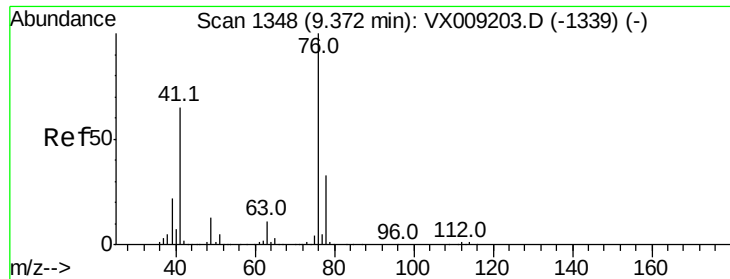
MMDadoda
 5/10/2019 1:11:51 PM



#56
 Ethyl methacrylate
 Concen: 19.317 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009418.D
 Acq: 09 May 2019 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	66073		
41	75.7	60.6	90.8	
39	35.4	28.2	42.4	





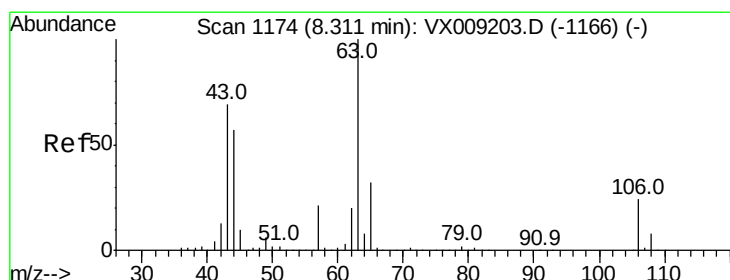
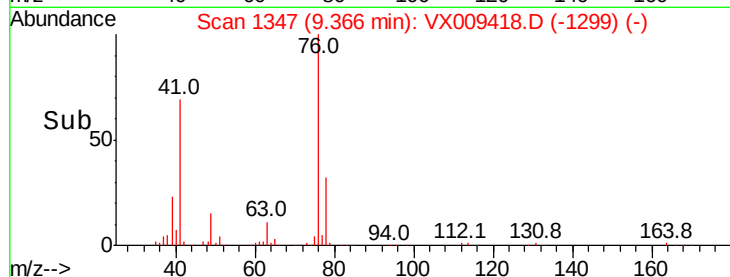
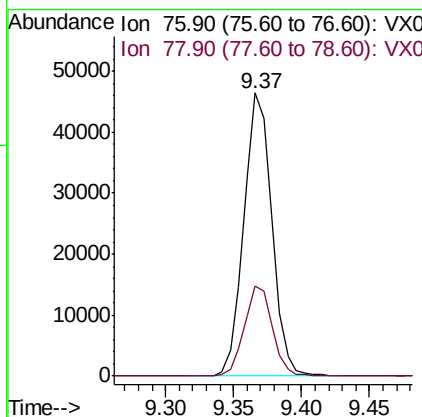
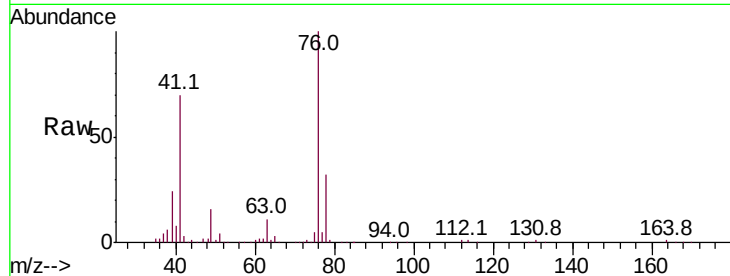
#57
 1,3-Dichloropropane
 Concen: 19.846 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VX009418.D
 Acq: 09 May 2019 11:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.5	38.3

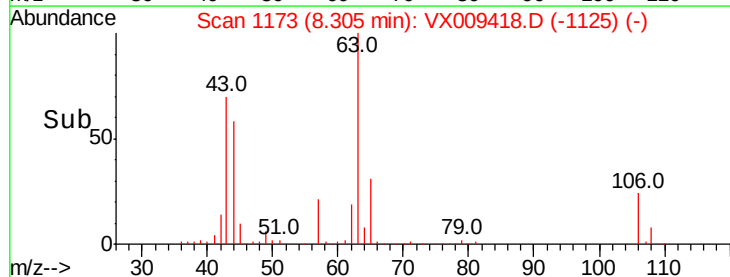
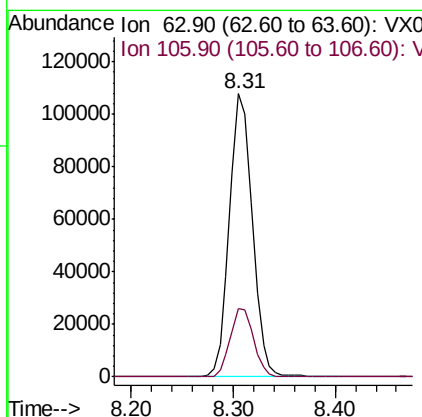
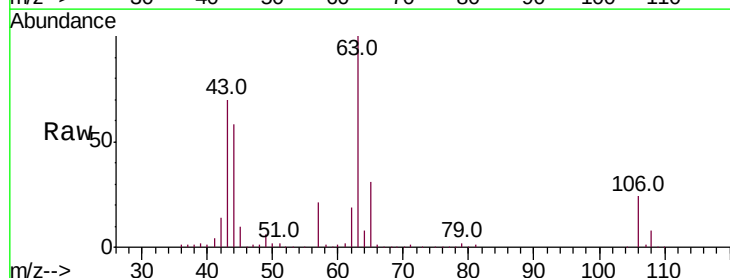
Manual Integrations
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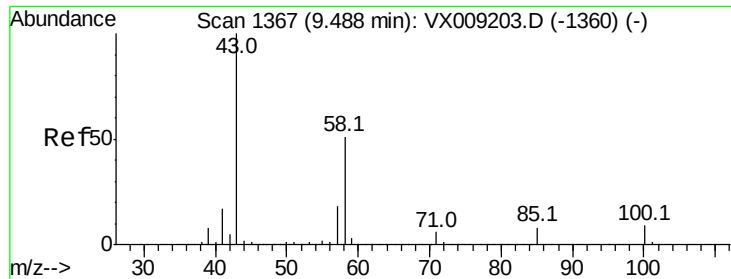
MMDadoda
 5/10/2019 1:11:51 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.612 ug/l
 RT: 8.31 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: VX009418.D
 Acq: 09 May 2019 11:31

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.9	19.7	29.5





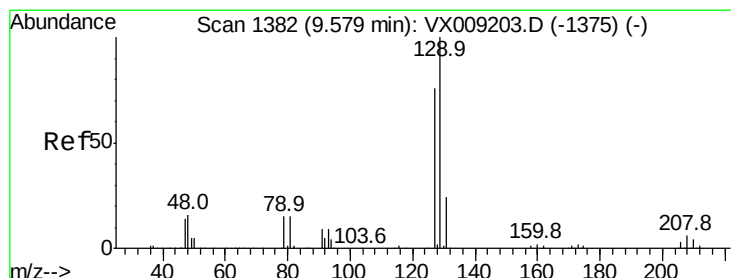
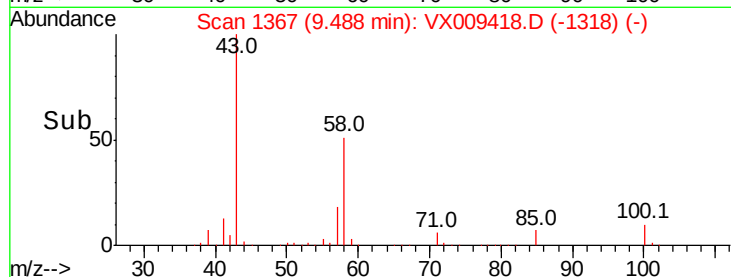
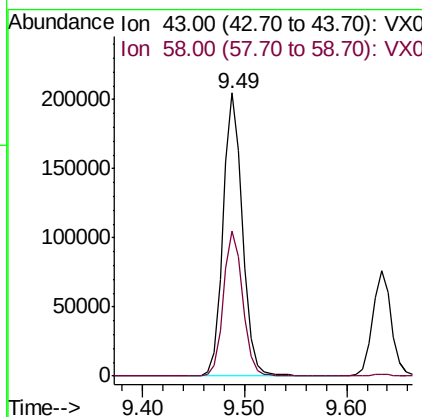
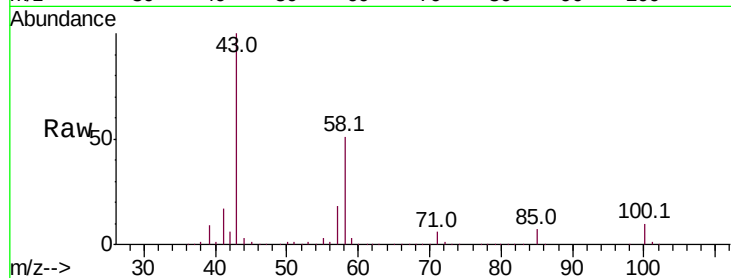
#59
2-Hexanone
Concen: 94.582 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBS01

Tot Ion: 43 Resp: 270152
Ion Ratio Lower Upper
43 100
58 51.0 25.9 77.7

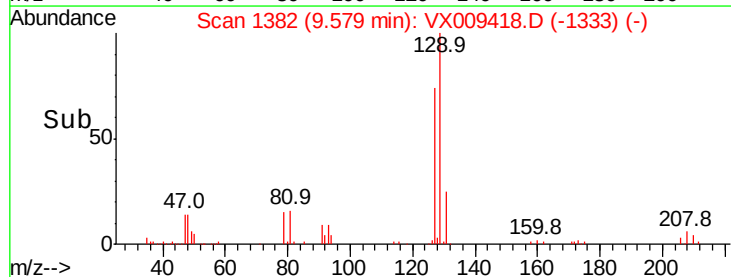
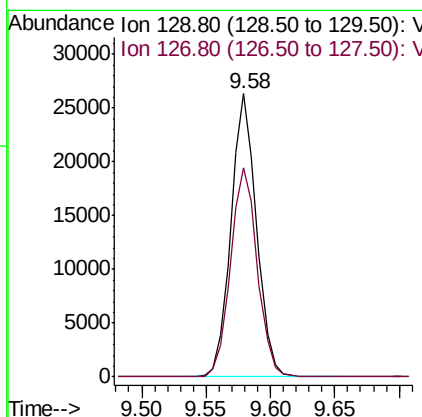
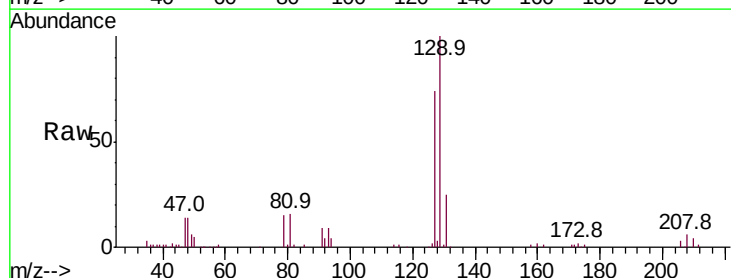
Manual Integrations
APPROVED

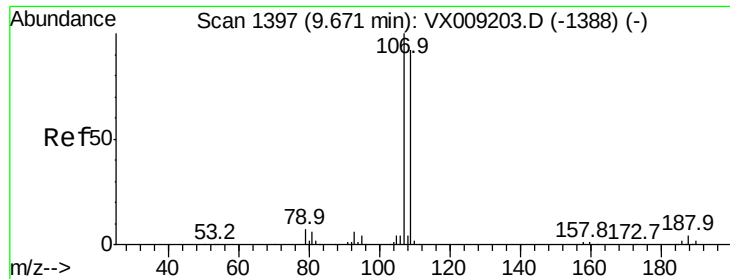
MMDadoda
5/10/2019 1:11:51 PM



#60
Dibromochloromethane
Concen: 19.500 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Tgt Ion:129 Resp: 36494
Ion Ratio Lower Upper
129 100
127 77.0 38.4 115.1





#61

1,2-Dibromoethane

Concen: 20.117 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBS01

Tot Ion:107 Resp: 38911

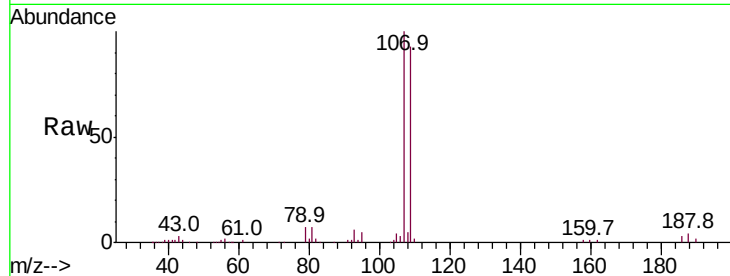
Ion Ratio Lower Upper

107 100

109 92.7 75.2 112.8

Manual Integrations
APPROVED

MMDadoda
5/10/2019 1:11:51 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

30000

25000

20000

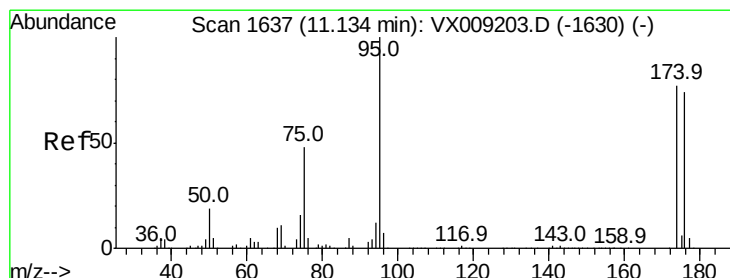
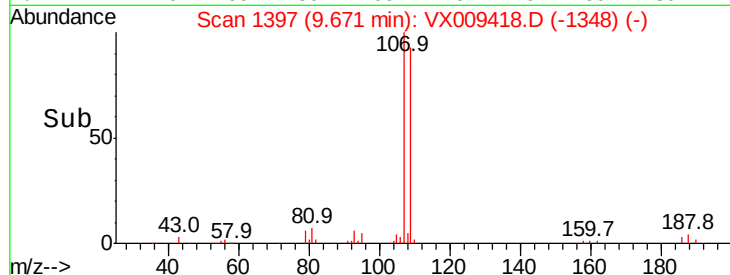
15000

10000

5000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 52.635 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

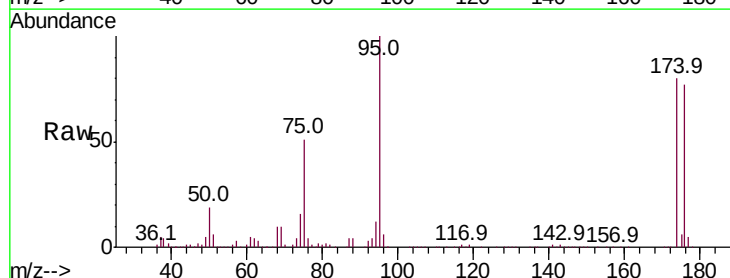
Tgt Ion: 95 Resp: 130402

Ion Ratio Lower Upper

95 100

174 82.1 0.0 161.6

176 79.7 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

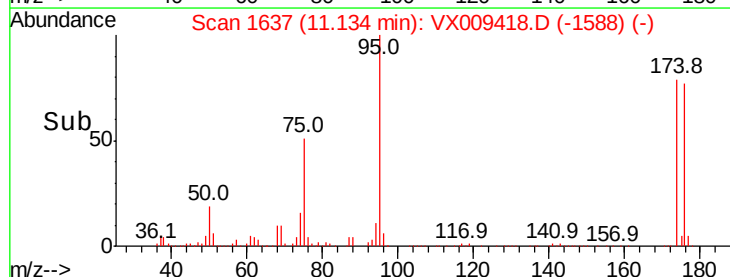
11.13

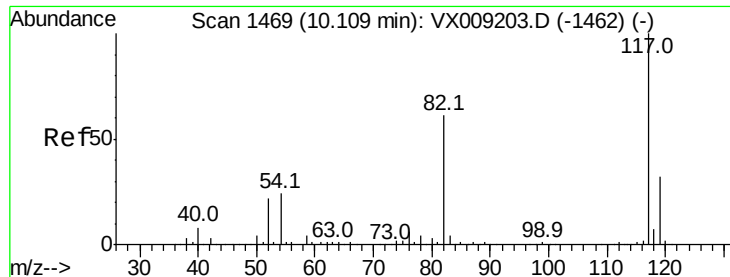
100000

50000

0

Time-->





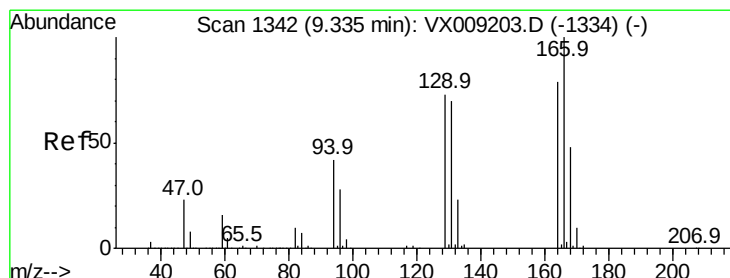
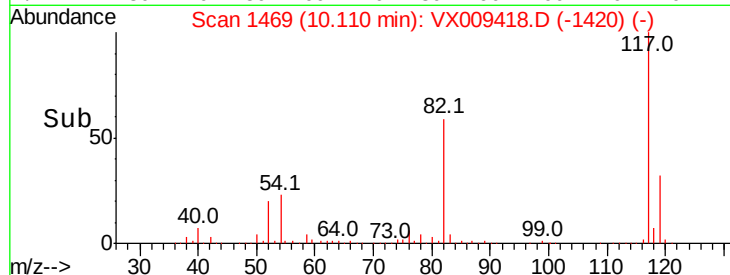
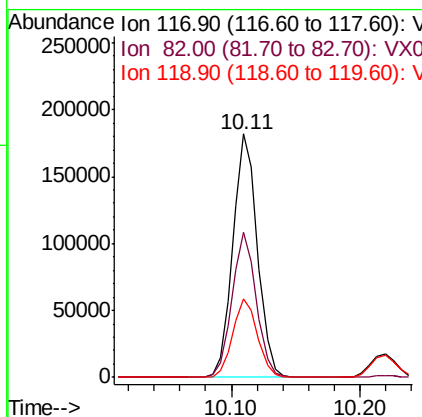
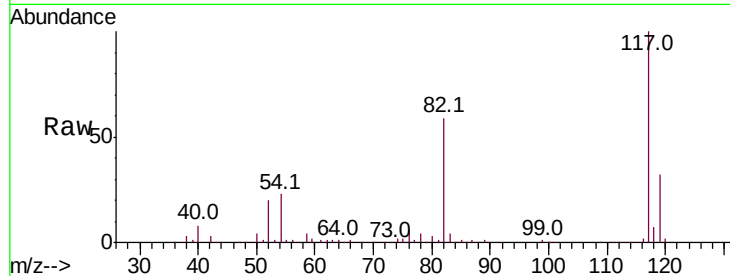
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.3	48.8	73.2
119	32.0	25.8	38.6

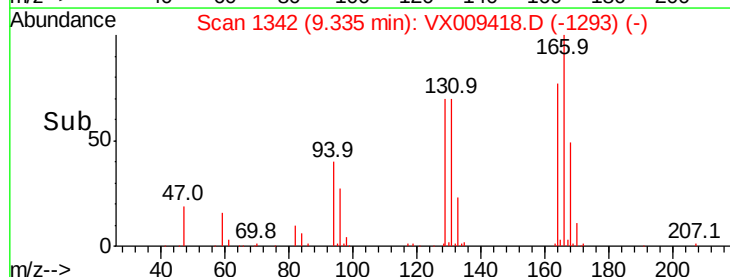
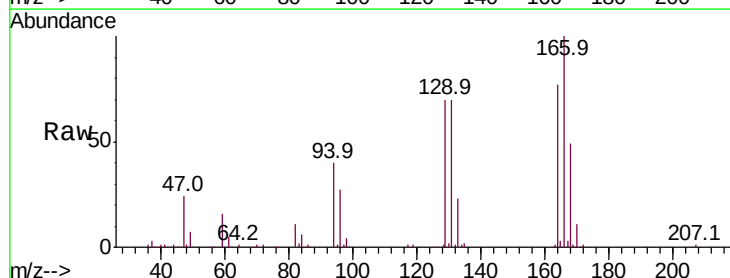
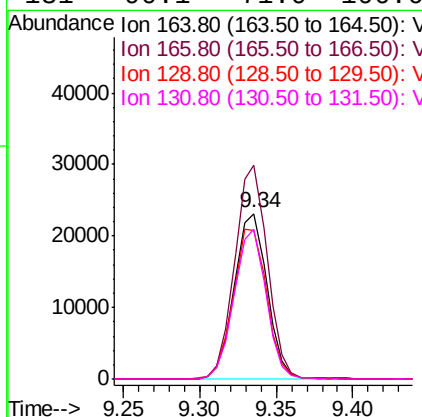
Manual Integrations
APPROVED

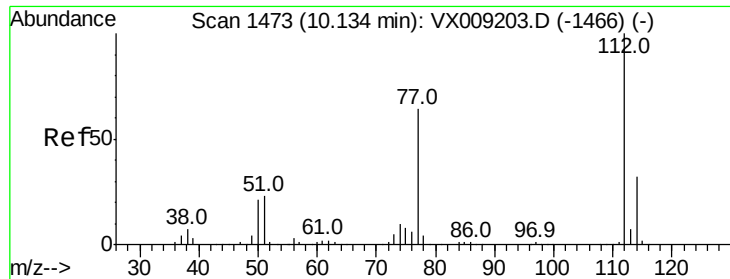
MMDadoda
5/10/2019 1:11:51 PM



#64
Tetrachloroethene
Concen: 20.834 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.1	101.2	151.8
129	89.9	74.3	111.5
131	90.1	71.0	106.6





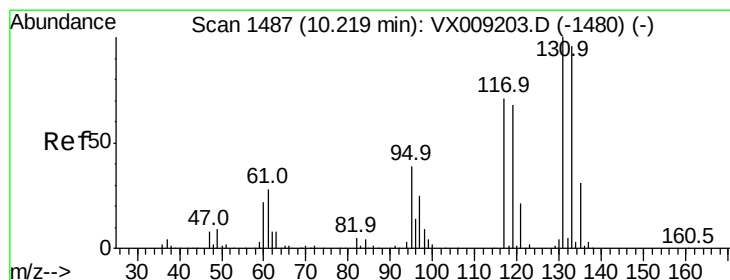
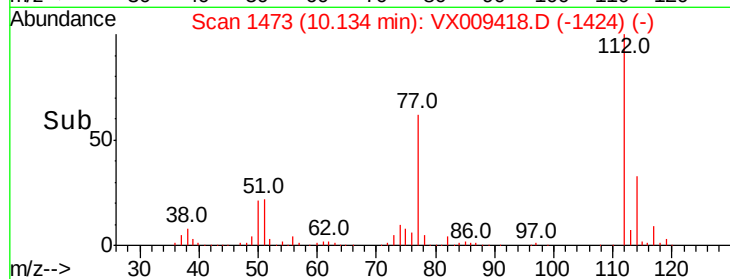
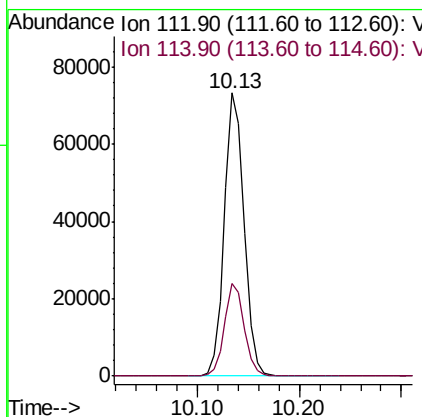
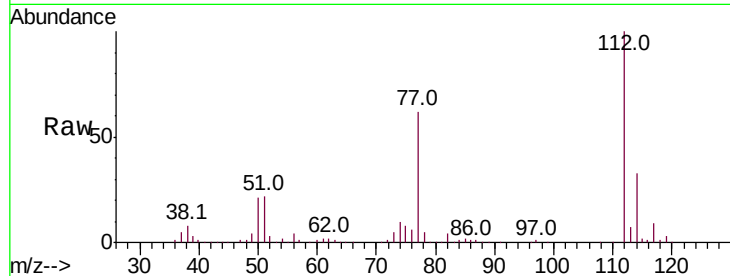
#65
Chlorobenzene
Concen: 20.298 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBS01

Tot Ion:112 Resp: 98264
Ion Ratio Lower Upper
112 100
114 32.5 25.5 38.3

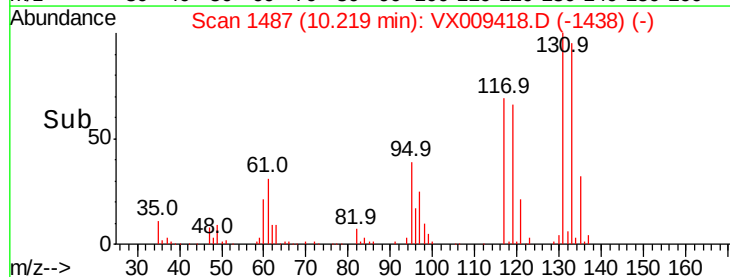
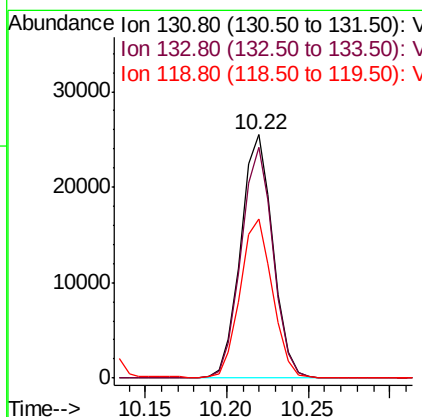
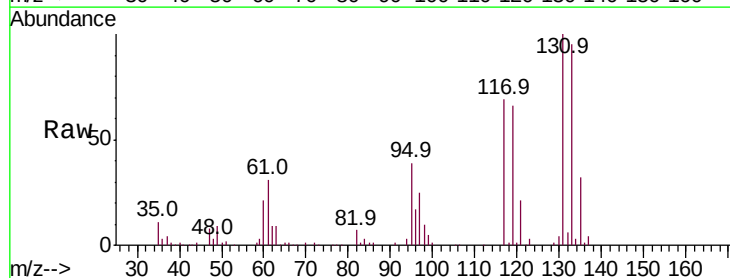
Manual Integrations
APPROVED

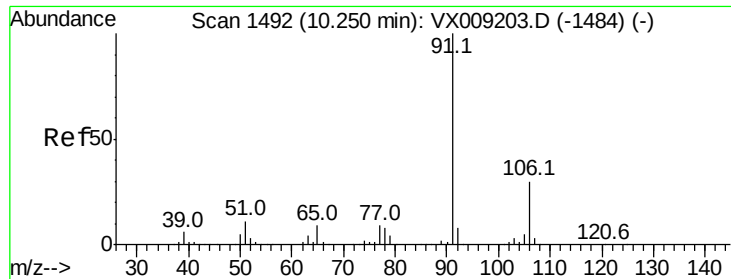
MMDadoda
5/10/2019 1:11:51 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.967 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Tgt Ion:131 Resp: 35044
Ion Ratio Lower Upper
131 100
133 94.5 47.7 143.1
119 66.0 33.5 100.4





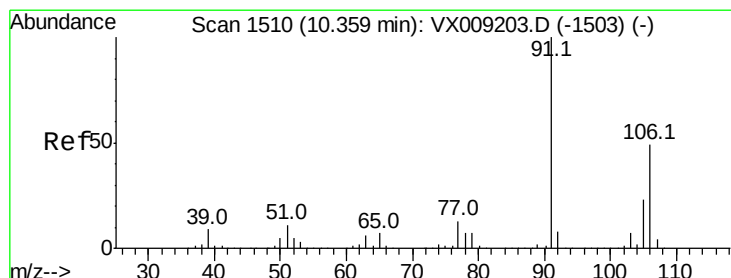
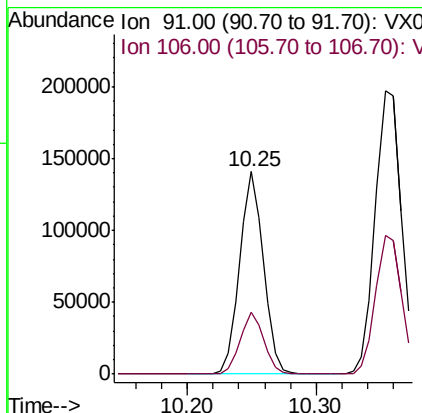
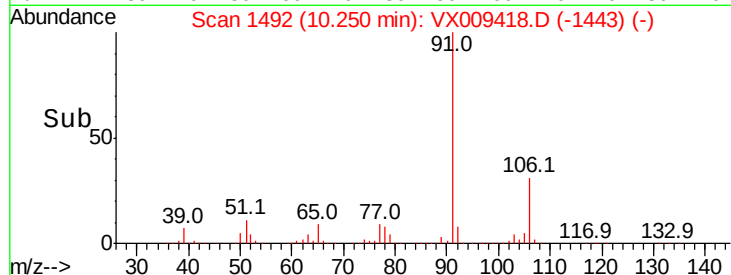
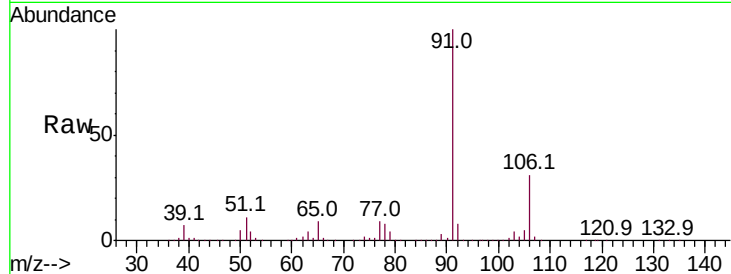
#67
Ethyl Benzene
Concen: 20.273 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBS01

Tot Ion: 91 Resp: 180621
Ion Ratio Lower Upper
91 100
106 30.6 24.0 36.0

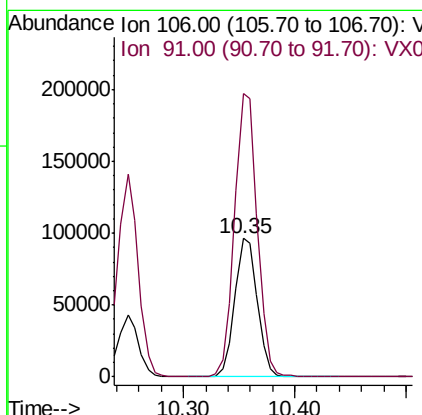
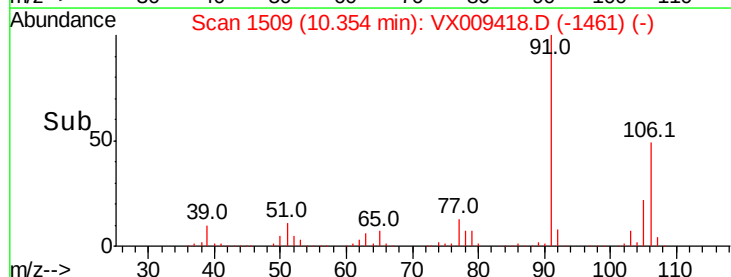
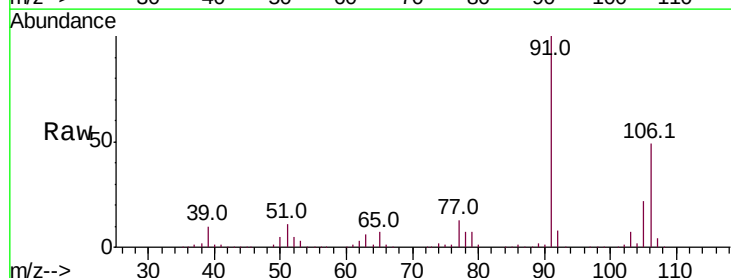
Manual Integrations
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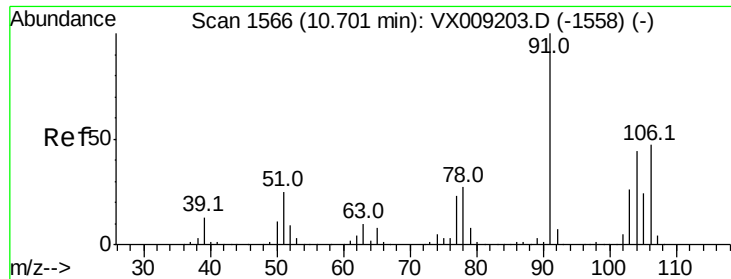
MMDadoda
5/10/2019 1:11:51 PM



#68
m/p-Xylenes
Concen: 41.369 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Tgt Ion: 106 Resp: 134692
Ion Ratio Lower Upper
106 100
91 205.7 164.0 246.0





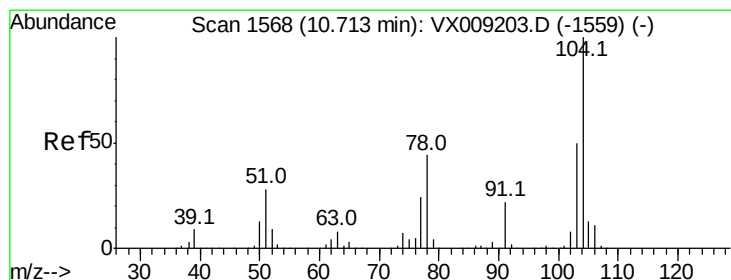
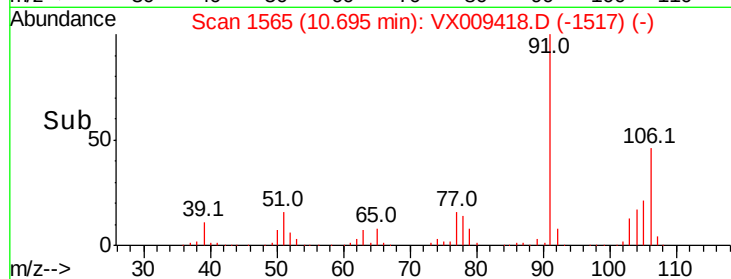
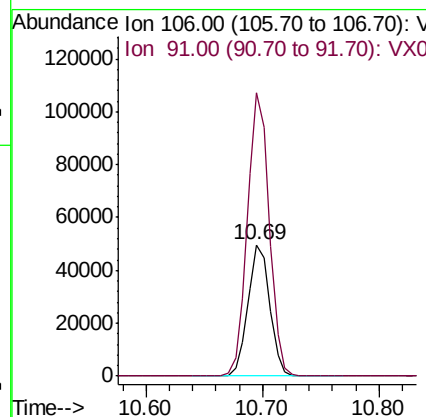
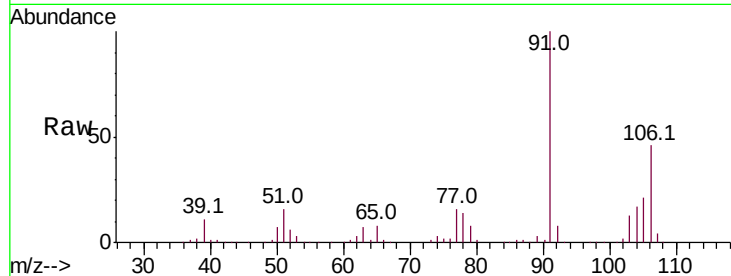
#69
o-Xylene
Concen: 20.382 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBS01

Tot Ion:106 Resp: 65476
Ion Ratio Lower Upper
106 100
91 215.0 109.5 328.4

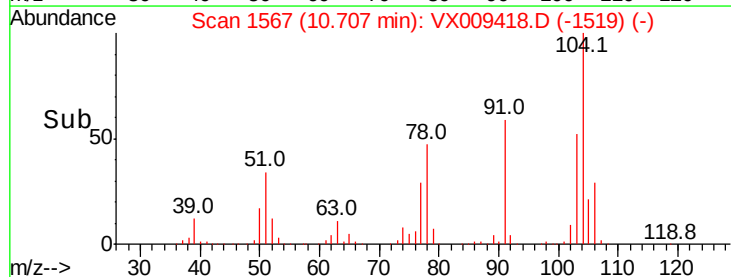
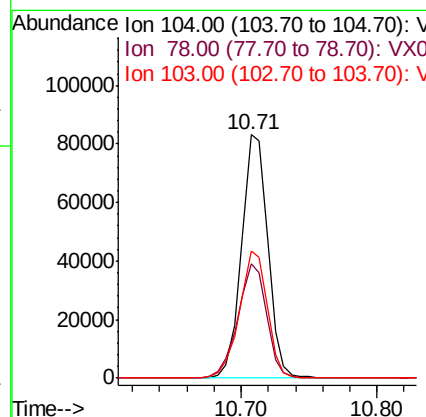
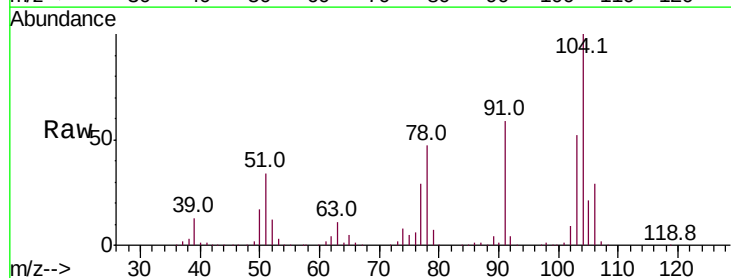
Manual Integrations
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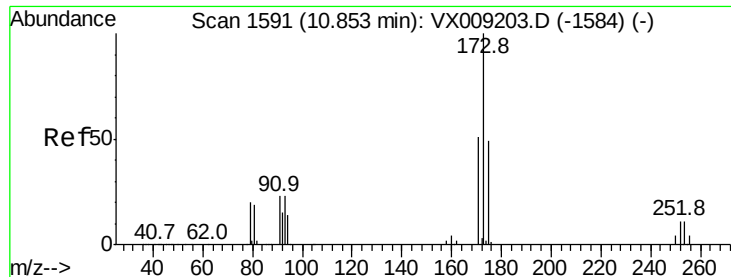
MMDadoda
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#70
Styrene
Concen: 20.046 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Tgt Ion:104 Resp: 111926
Ion Ratio Lower Upper
104 100
78 51.6 41.0 61.4
103 55.8 43.8 65.6





#71

Bromoform

Concen: 18.962 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

Instrument :

MSVOA_X

ClientSampled :

VX0509WBS01

Tot Ion:173 Resp: 27045

Ion Ratio Lower Upper

173 100

175 48.5 24.5 73.5

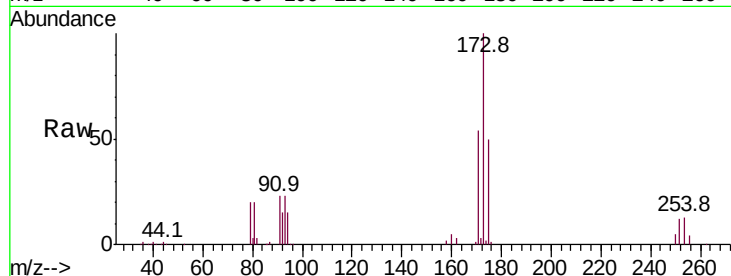
254 0.1 0.1 0.1

Manual Integrations

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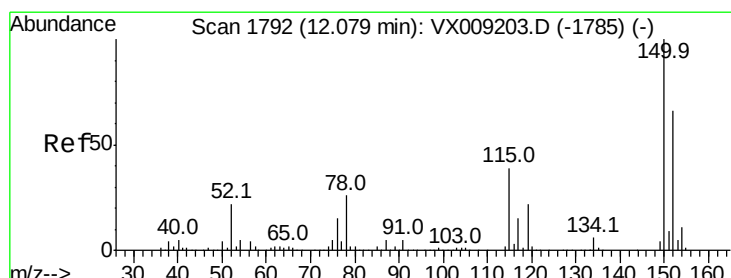
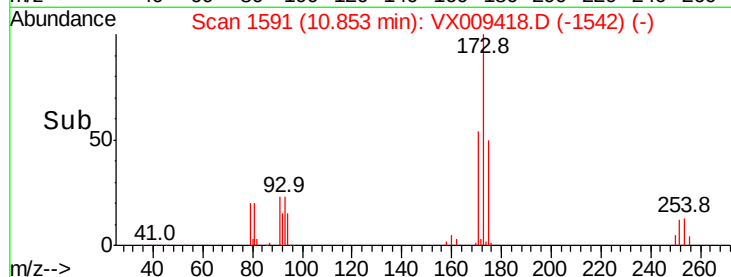
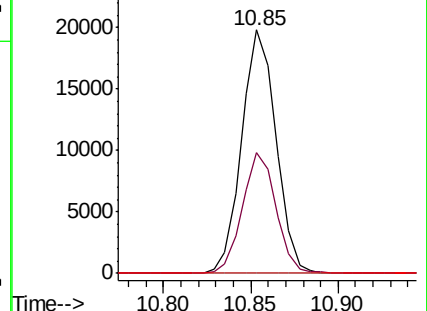
5/10/2019 1:11:51 PM



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: 12.07 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

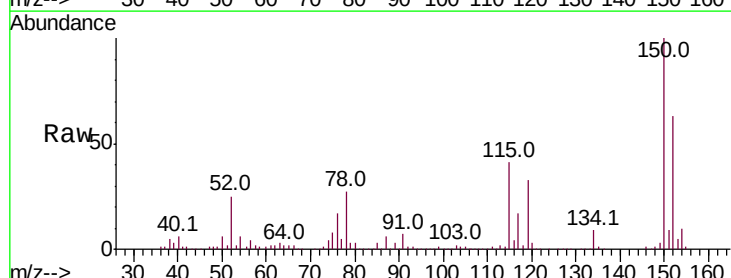
Tgt Ion:152 Resp: 119356

Ion Ratio Lower Upper

152 100

115 68.3 41.2 123.6

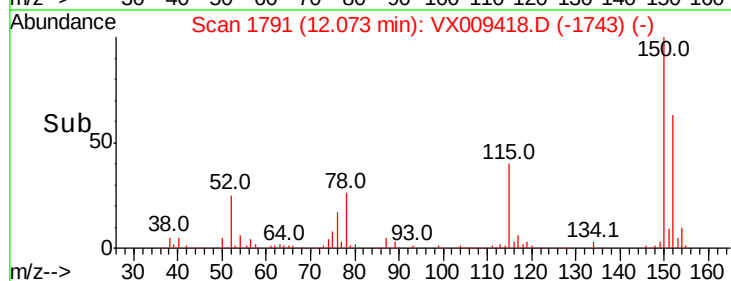
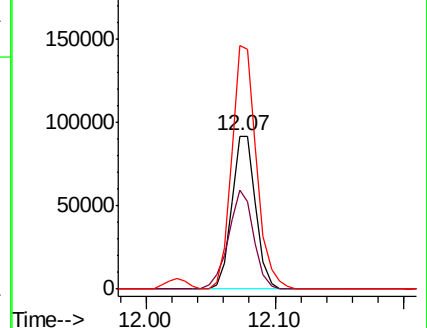
150 164.0 0.0 346.4

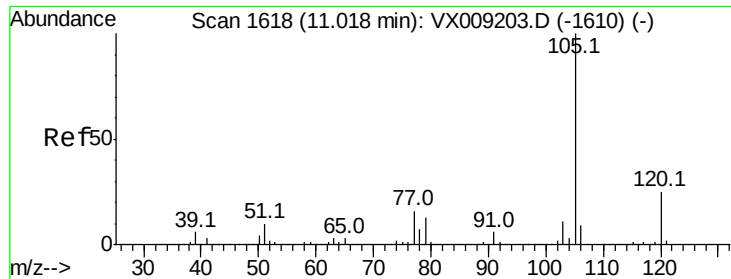


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.127 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBS01

Tot Ion:105 Resp: 174693

Ion Ratio Lower Upper

105 100

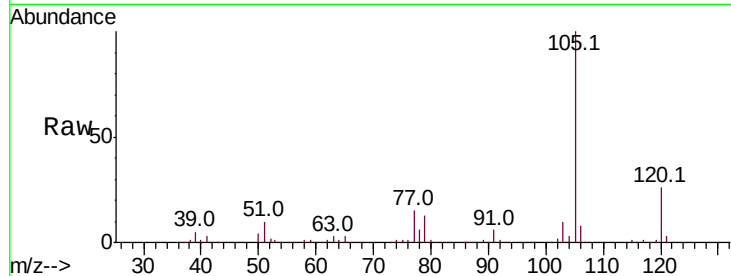
120 26.1 12.8 38.3

Manual Integrations

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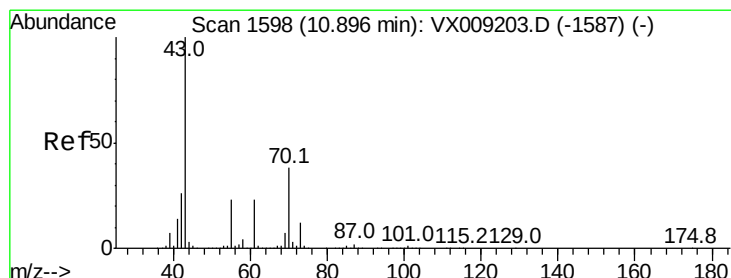
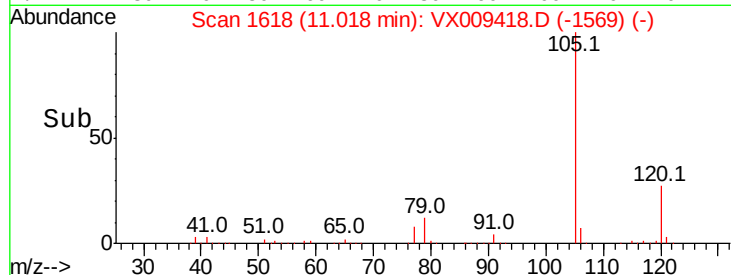
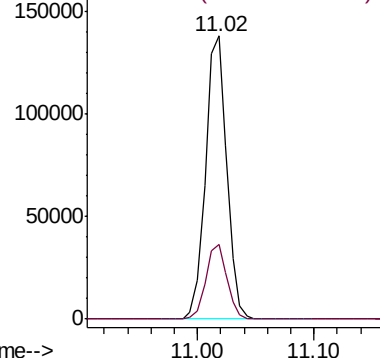
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.520 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

Tgt Ion: 43 Resp: 93716

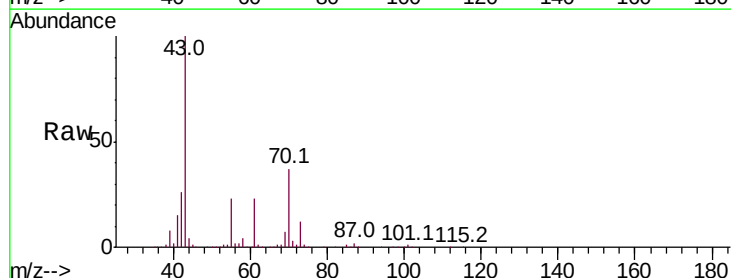
Ion Ratio Lower Upper

43 100

70 37.4 30.0 45.0

55 23.3 17.9 26.9

61 22.6 18.4 27.6

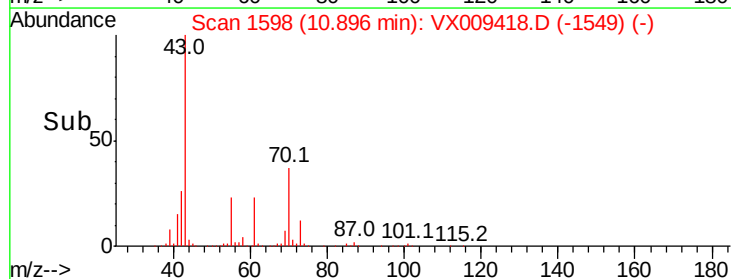
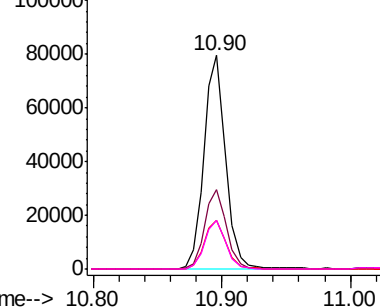


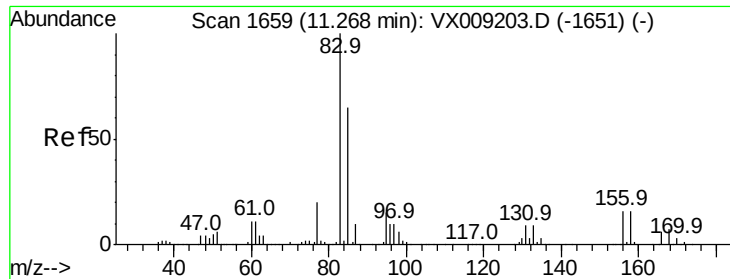
Abundance Ion 43.00 (42.70 to 43.70): VX0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 18.722 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

Instrument :

MSVOA_X

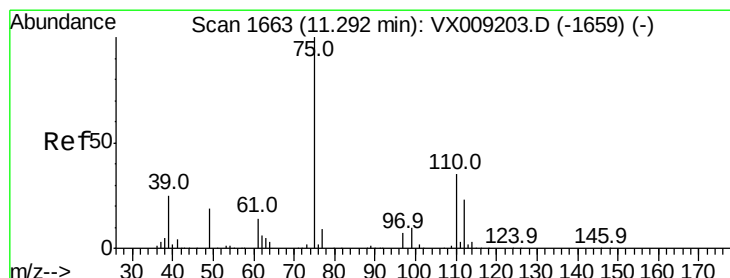
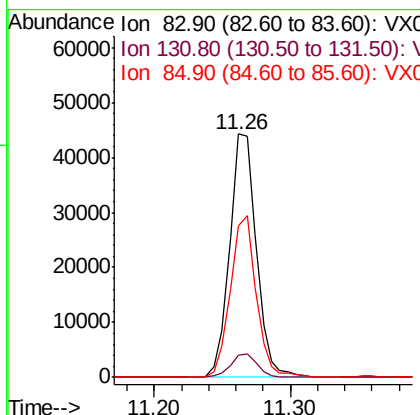
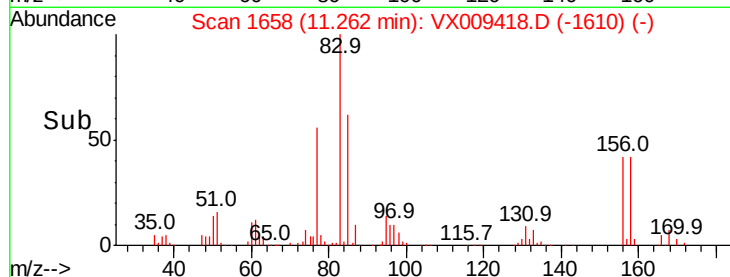
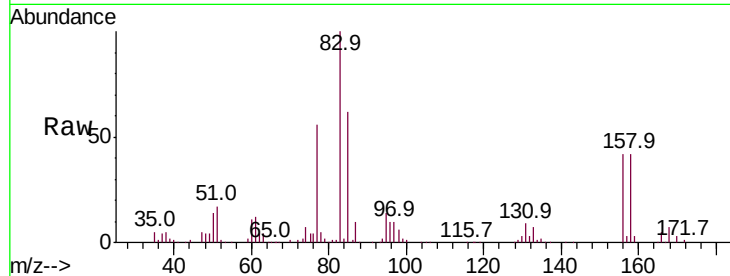
ClientSampleId :

VX0509WBS01

Tot Ion:	83	Resp:	60575
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.6	13.8
85	64.5	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.519 ug/l m

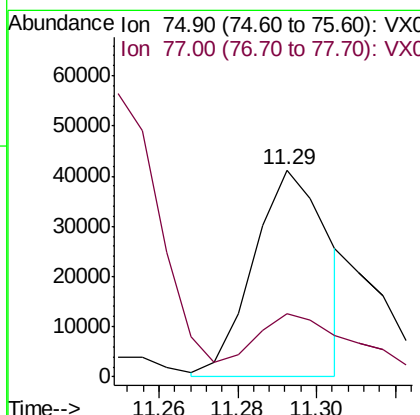
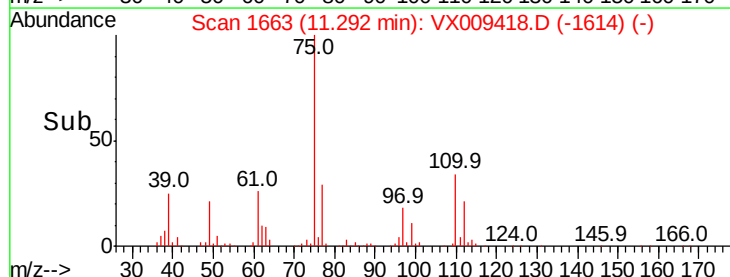
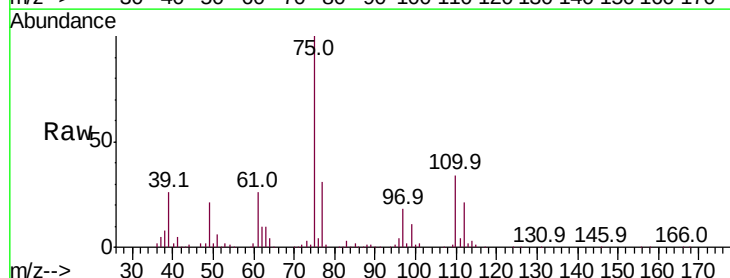
RT: 11.29 min Scan# 1663

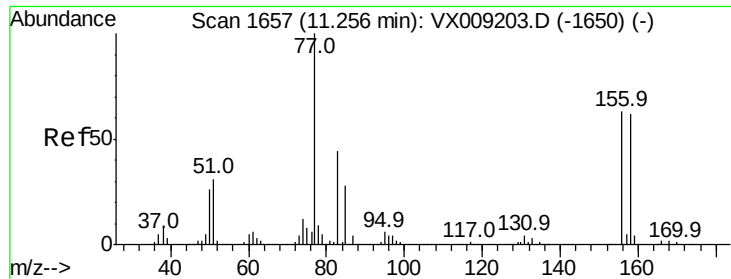
Delta R.T. 0.00 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

Tgt Ion:	75	Resp:	54041
Ion Ratio	Lower	Upper	
75	100		
77	41.6	22.1	66.1





#77

Bromobenzene

Concen: 20.017 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBS01

Tot Ion:156 Resp: 43122

Ion Ratio Lower Upper

156 100

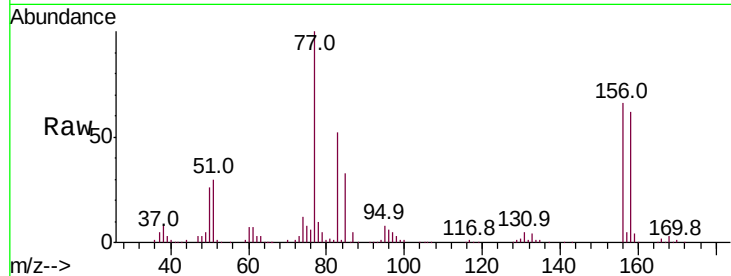
77 166.9 84.8 254.3

158 96.9 49.1 147.3

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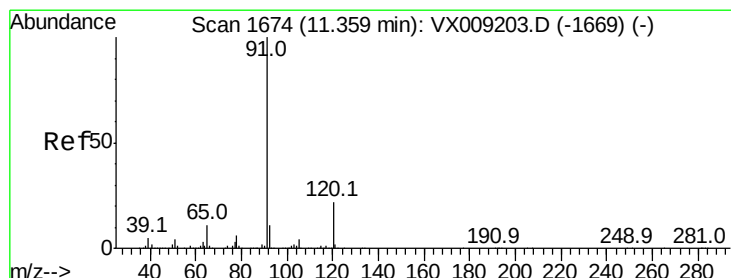
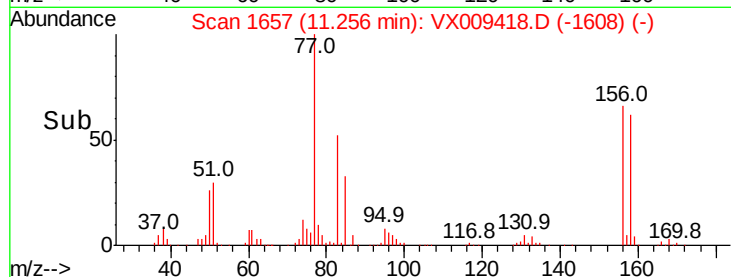
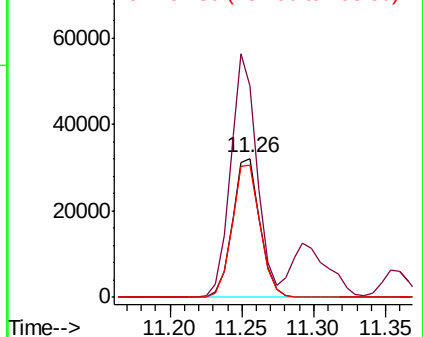
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.257 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009418.D

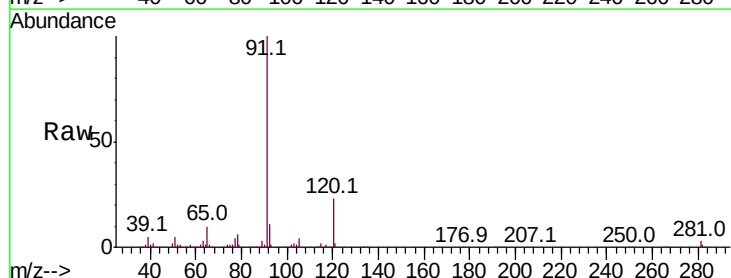
Acq: 09 May 2019 11:31

Tgt Ion: 91 Resp: 200795

Ion Ratio Lower Upper

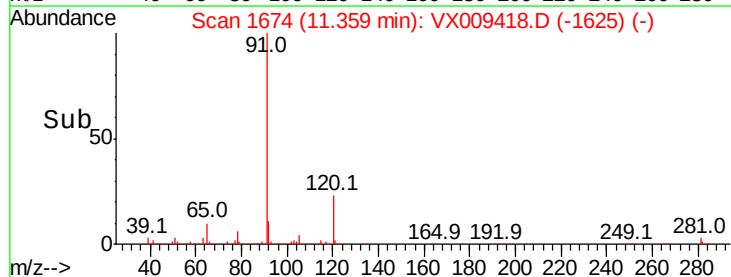
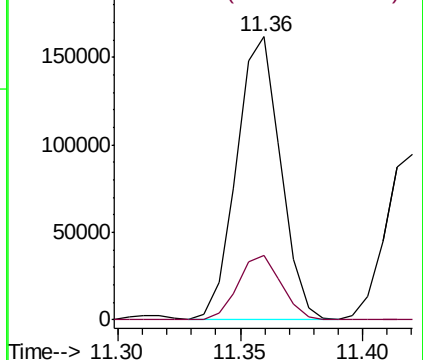
91 100

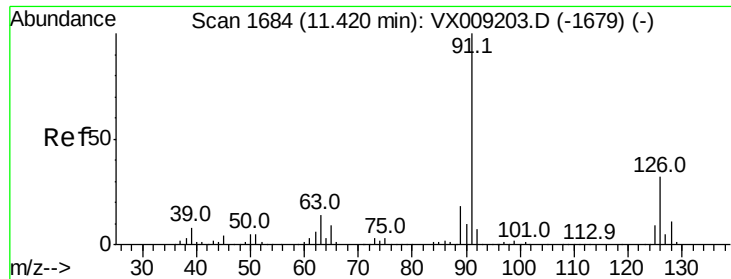
120 22.7 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.551 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBS01

Tot Ion: 91 Resp: 119562

Ion Ratio Lower Upper

91 100

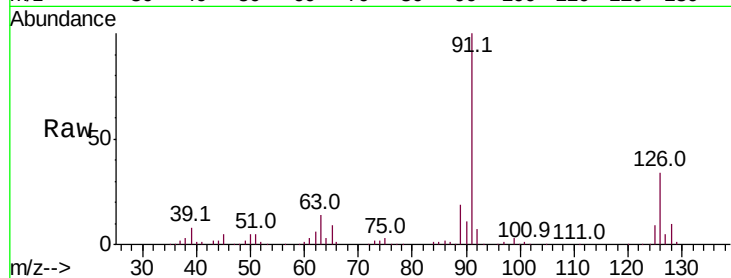
126 33.3 16.3 48.9

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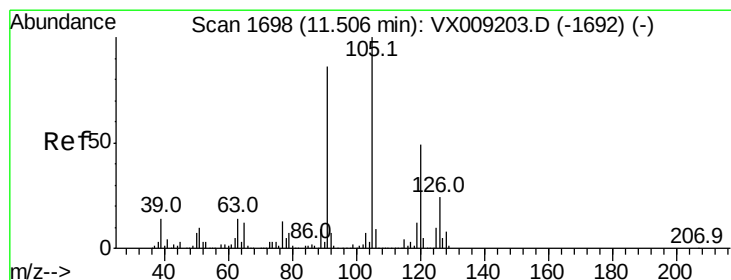
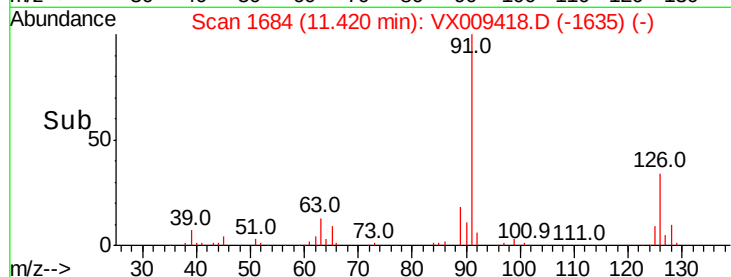
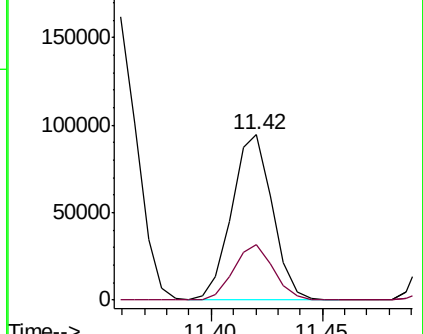
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.330 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009418.D

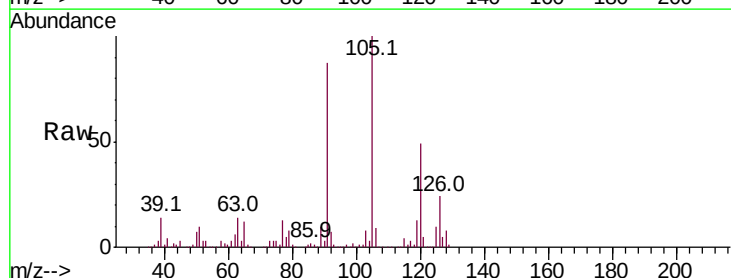
Acq: 09 May 2019 11:31

Tgt Ion:105 Resp: 148577

Ion Ratio Lower Upper

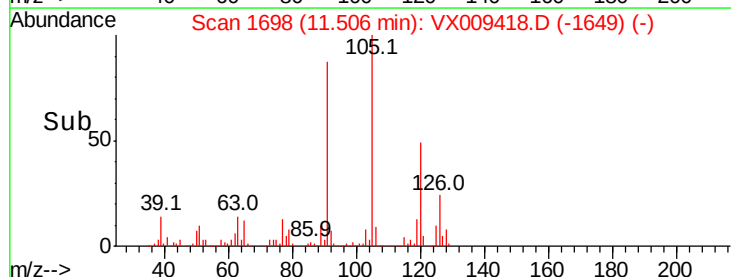
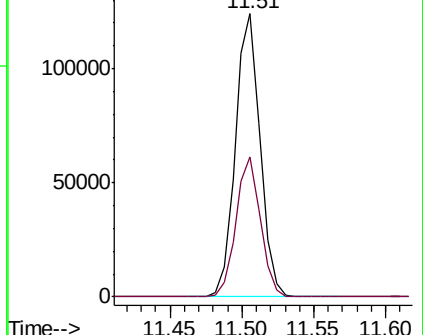
105 100

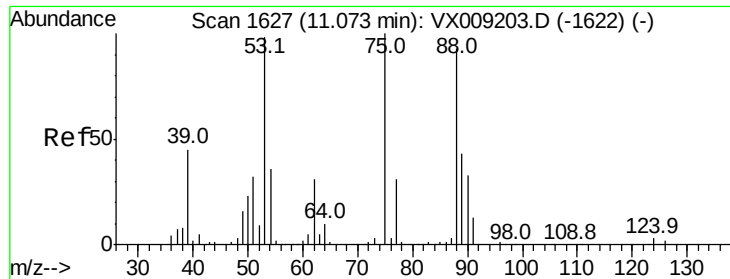
120 48.9 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





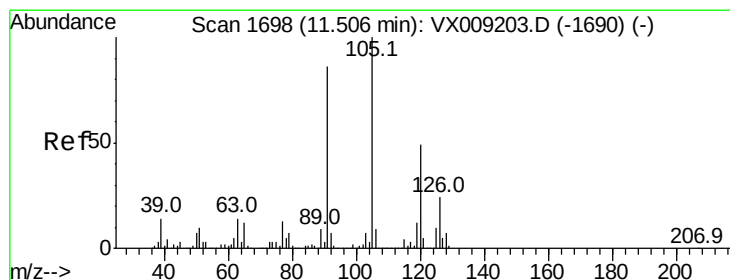
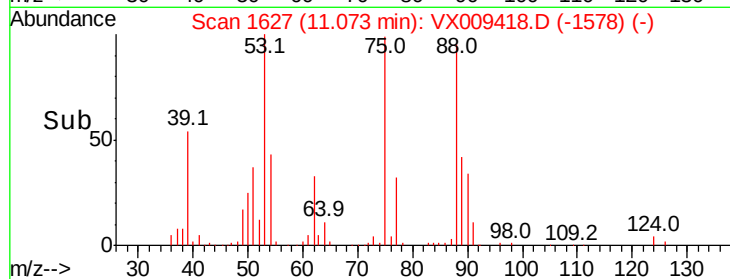
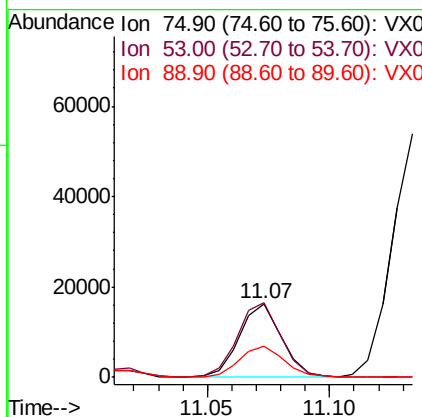
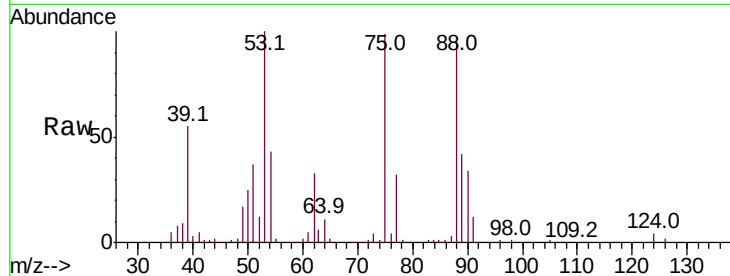
#81
trans-1,4-Dichloro-2-butene
Concen: 17.934 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBS01

Tot Ion: 75 Resp: 19406
Ion Ratio Lower Upper
75 100
53 104.5 79.0 118.6
89 45.5 34.7 52.1

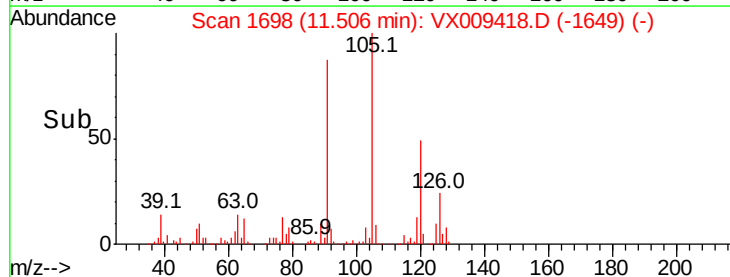
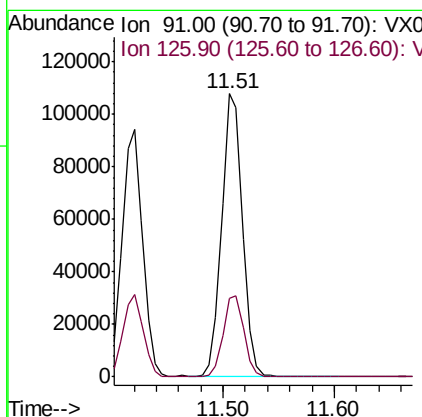
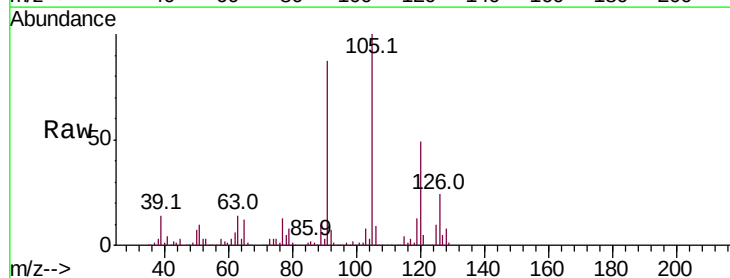
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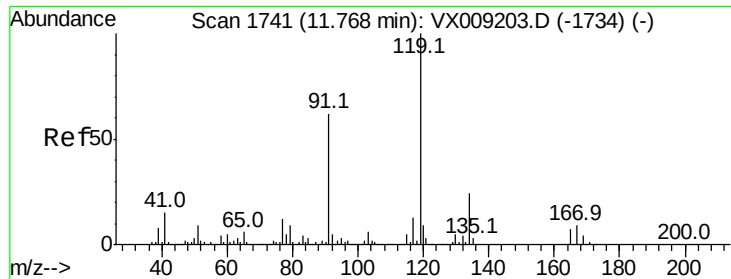
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#82
4-Chlorotoluene
Concen: 20.112 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Tgt Ion: 91 Resp: 138947
Ion Ratio Lower Upper
91 100
126 28.7 14.5 43.6





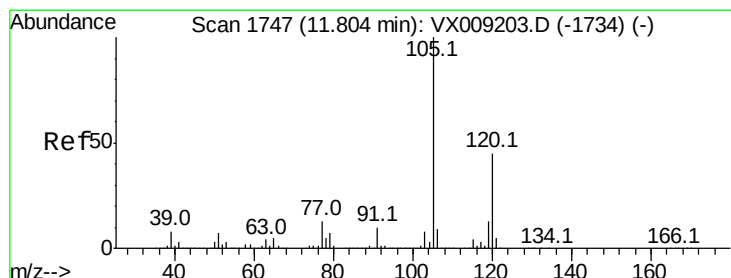
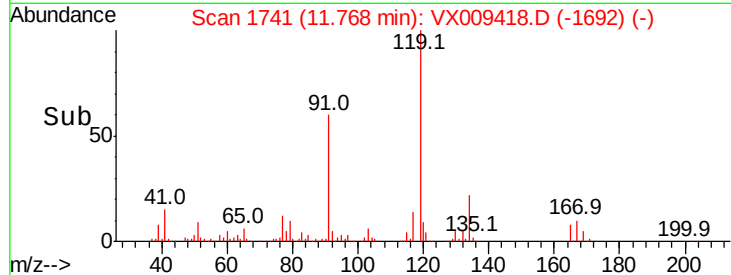
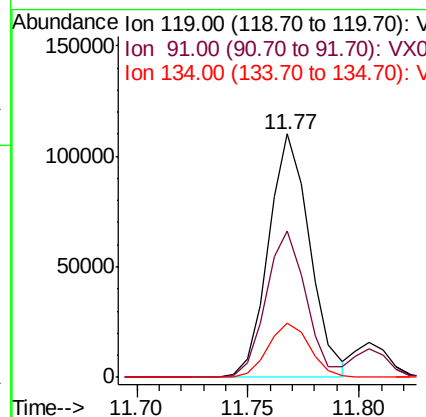
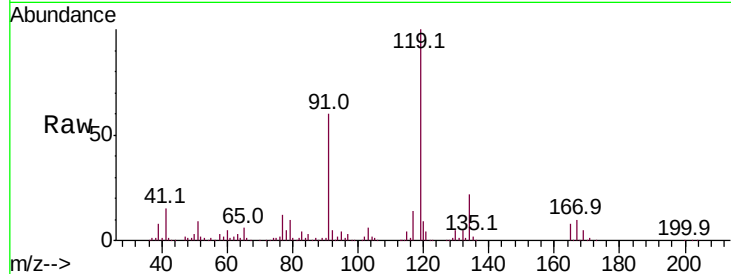
#83
 tert-Butylbenzene
 Concen: 19.924 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX009418.D
 Acq: 09 May 2019 11:31

Instrument :
 MSVOA_X
 ClientSampled :
 VX0509WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	141647		
91	58.9	29.5	88.5	
134	22.1	11.4	34.1	

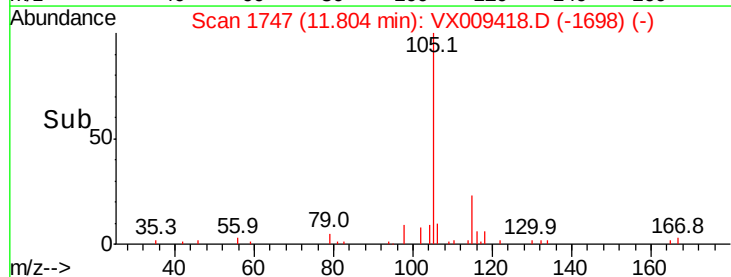
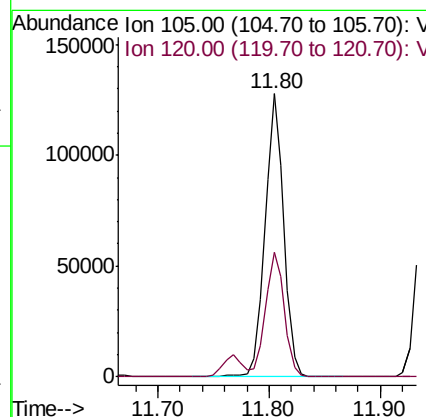
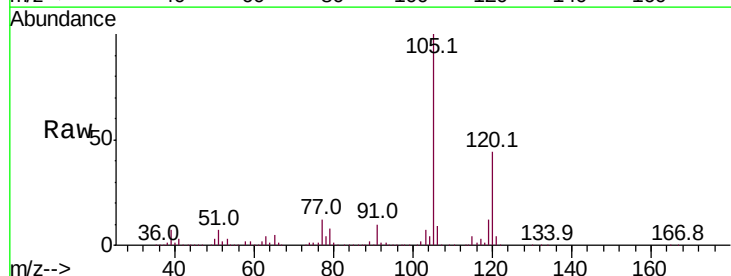
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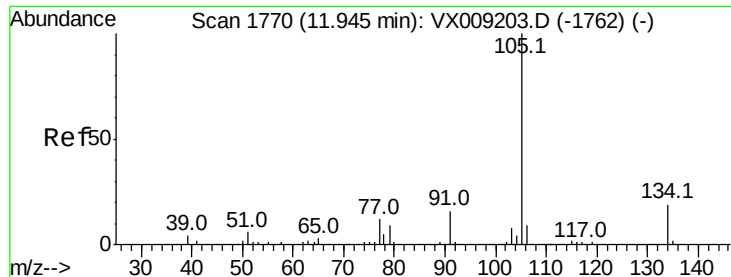
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.450 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX009418.D
 Acq: 09 May 2019 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	150011		
120	44.5	22.0	66.0	





#85

sec-Butylbenzene

Concen: 20.116 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBS01

Tot Ion:105 Resp: 169550

Ion Ratio Lower Upper

105 100

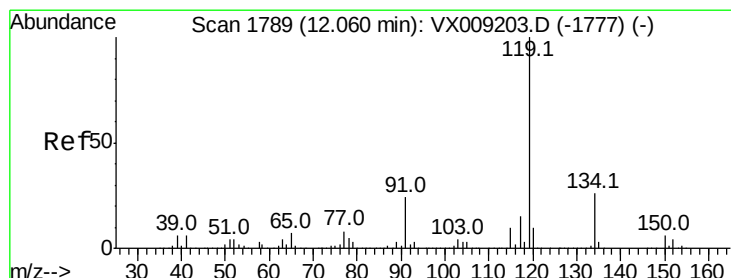
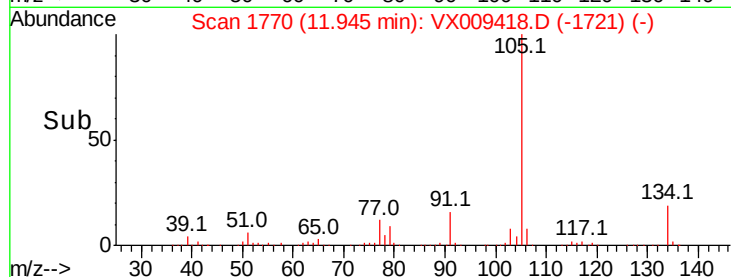
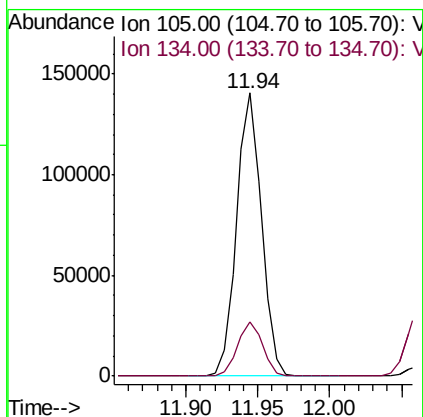
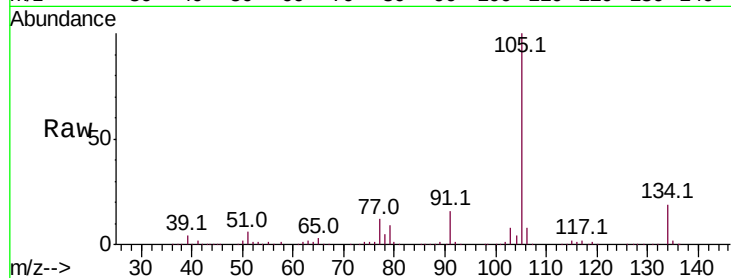
134 19.4 9.7 28.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.366 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

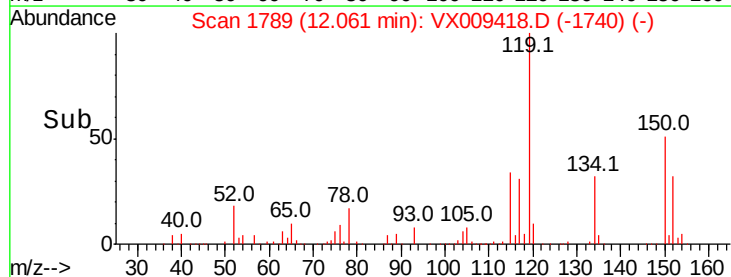
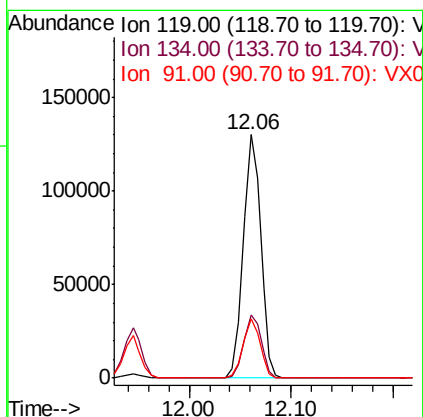
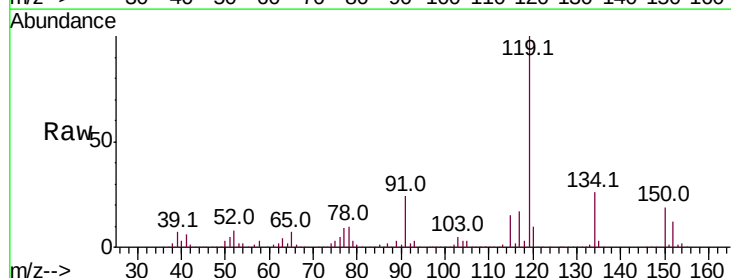
Tgt Ion:119 Resp: 154322

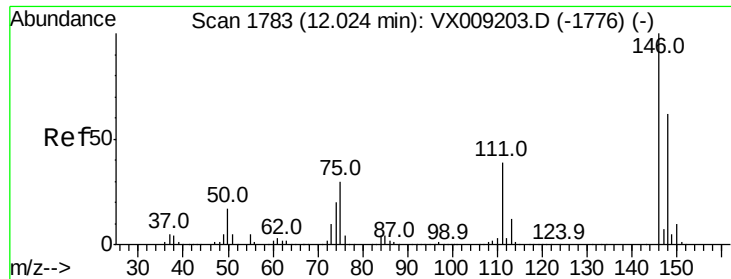
Ion Ratio Lower Upper

119 100

134 26.2 12.9 38.7

91 24.1 11.8 35.4





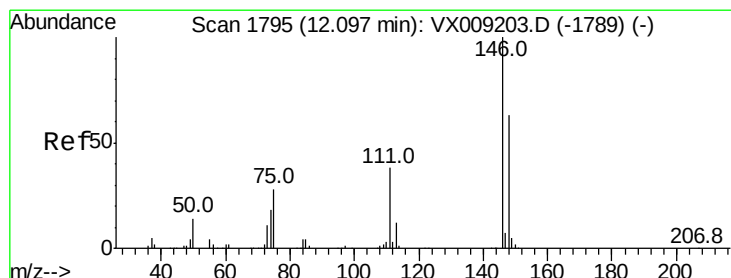
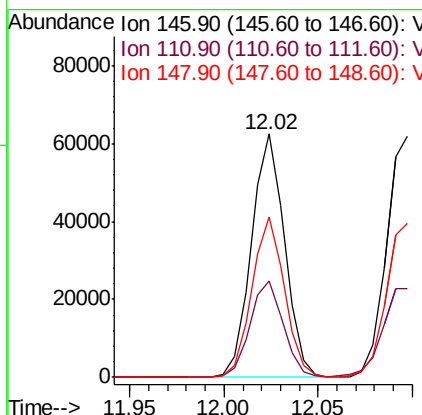
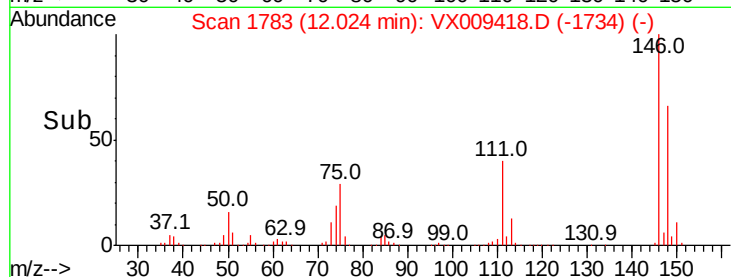
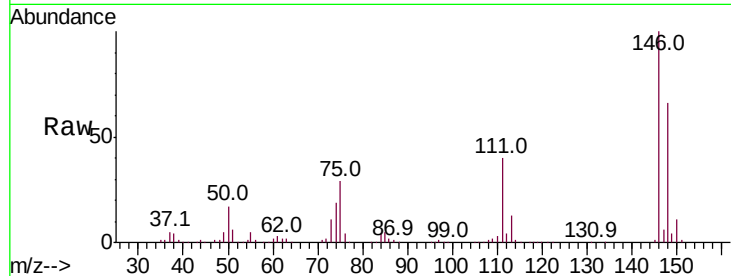
#87
 1,3-Dichlorobenzene
 Concen: 19.857 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009418.D
 Acq: 09 May 2019 11:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.0	59.9
148	64.5	31.8	95.3

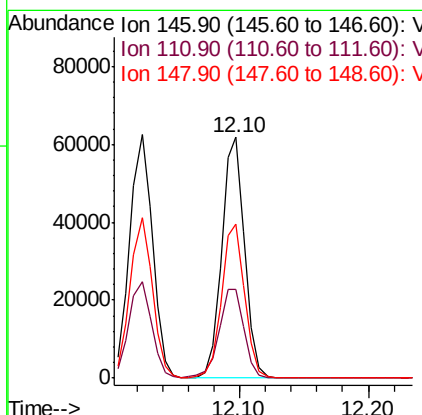
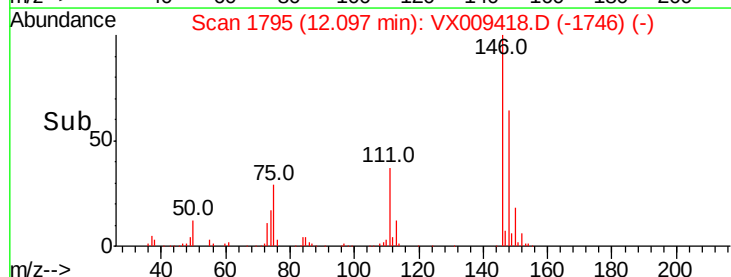
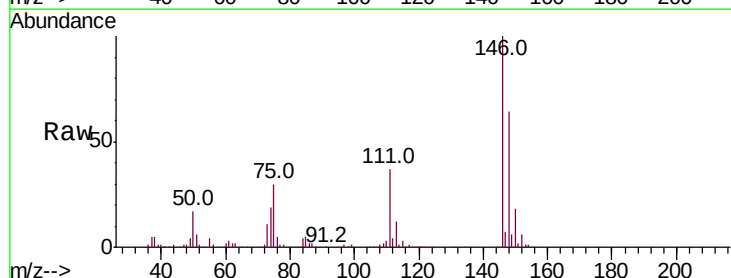
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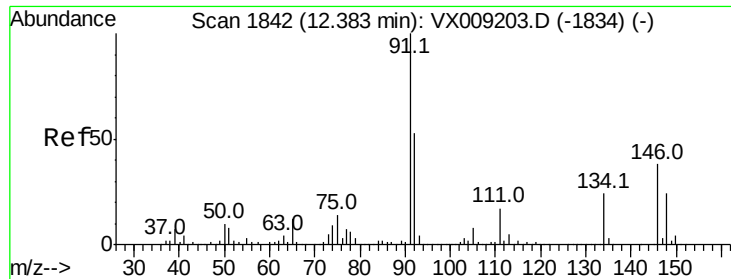
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#88
 1,4-Dichlorobenzene
 Concen: 19.947 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009418.D
 Acq: 09 May 2019 11:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	19.6	58.8
148	64.7	31.8	95.3





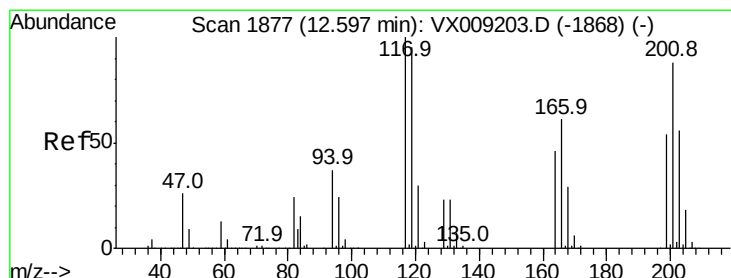
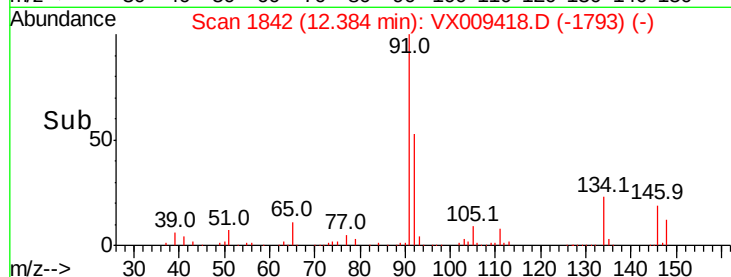
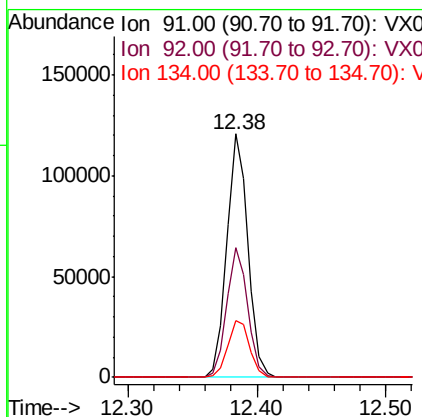
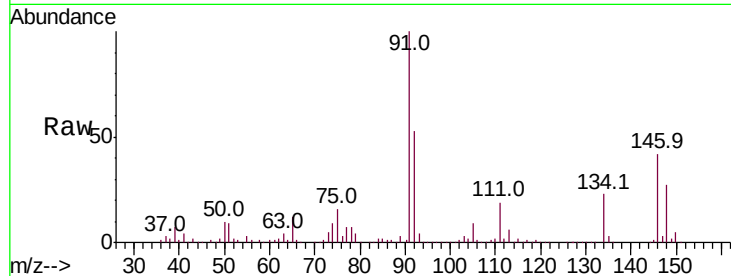
#89
n-Butylbenzene
Concen: 20.400 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.5	79.5
134	24.3	12.4	37.2

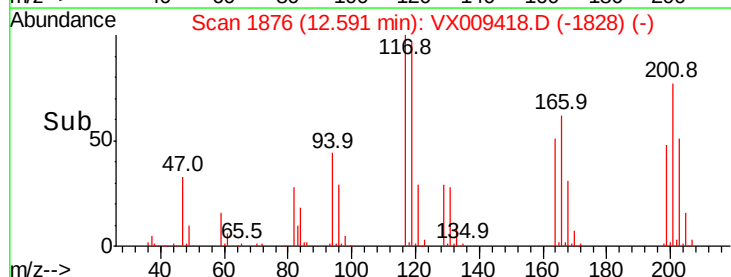
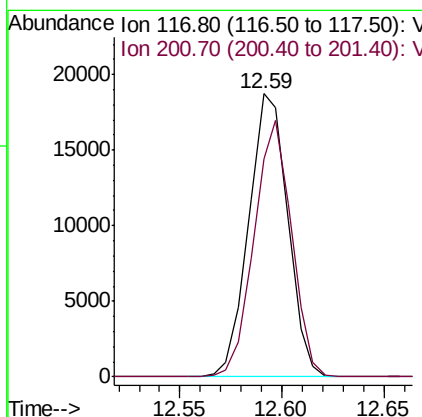
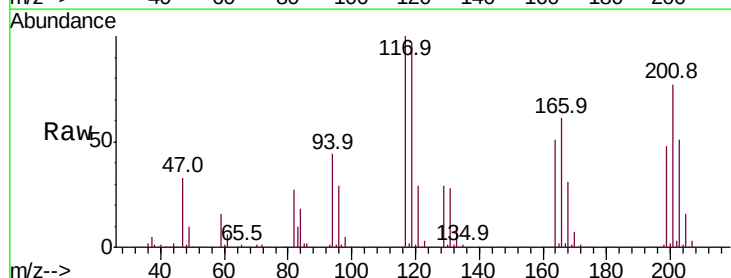
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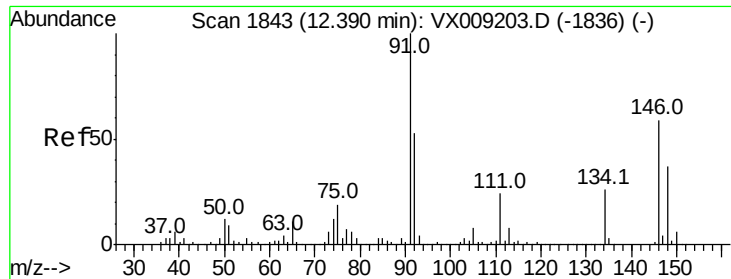
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#90
Hexachloroethane
Concen: 19.300 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.9	42.3	126.9





#91

1,2-Dichlorobenzene

Concen: 19.764 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBS01

Tot Ion:146 Resp: 77310

Ion Ratio Lower Upper

146 100

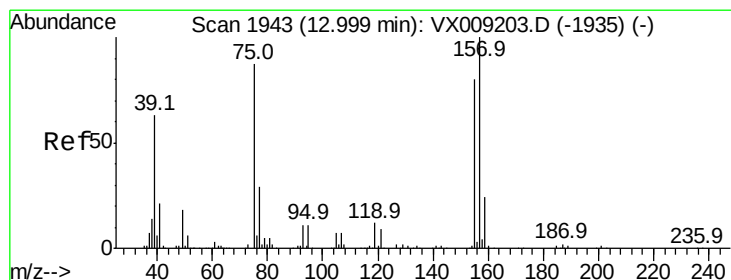
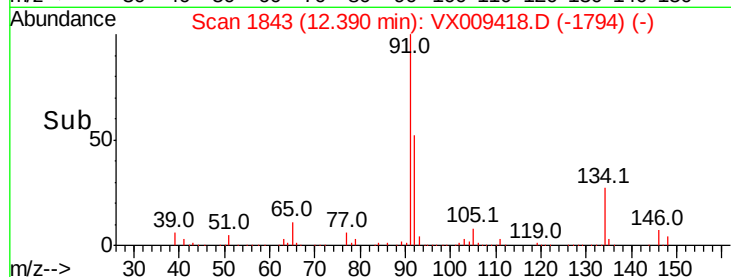
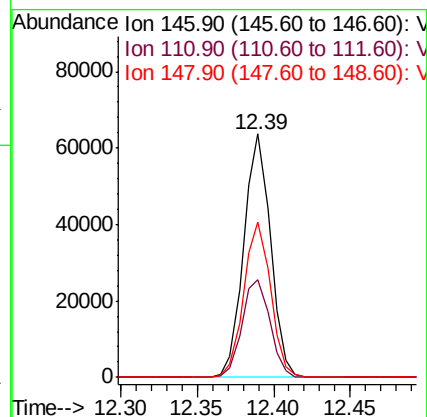
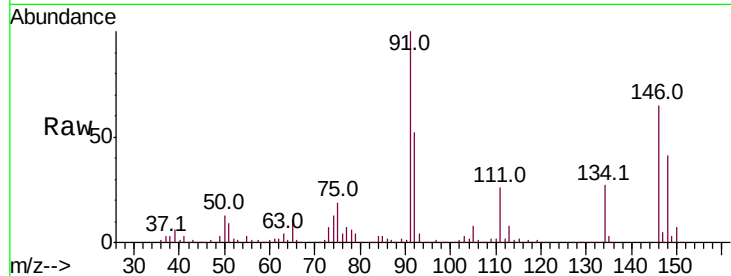
111 41.7 20.8 62.4

148 63.8 31.9 95.9

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 18.817 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

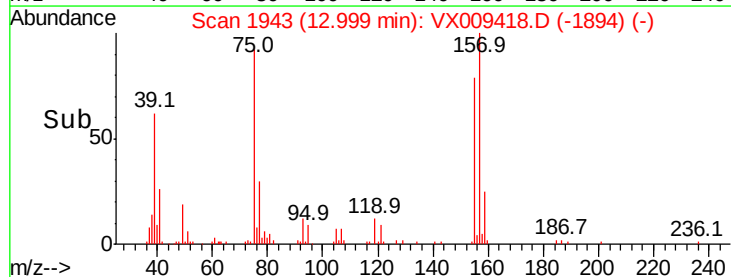
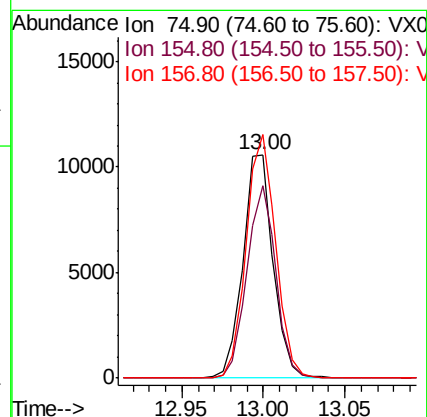
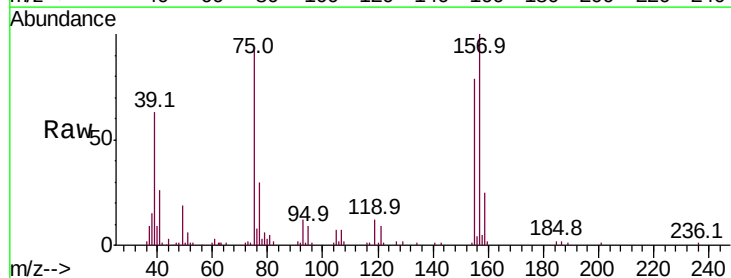
Tgt Ion: 75 Resp: 13658

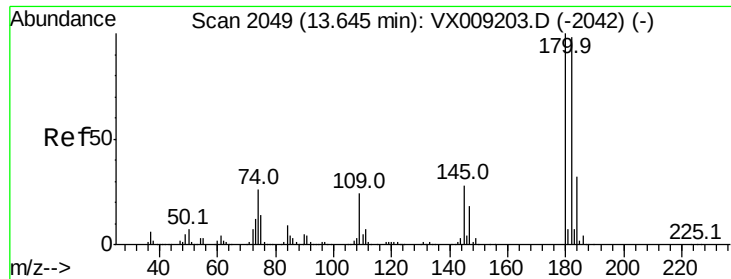
Ion Ratio Lower Upper

75 100

155 82.8 42.0 126.0

157 106.5 53.2 159.6





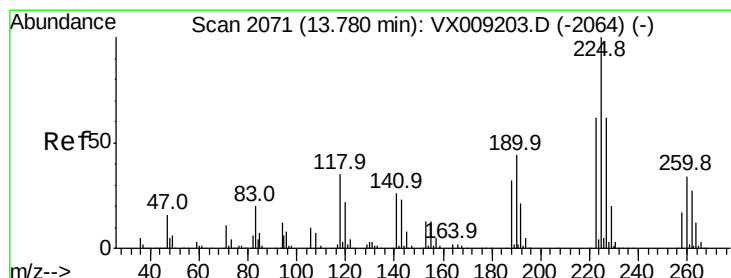
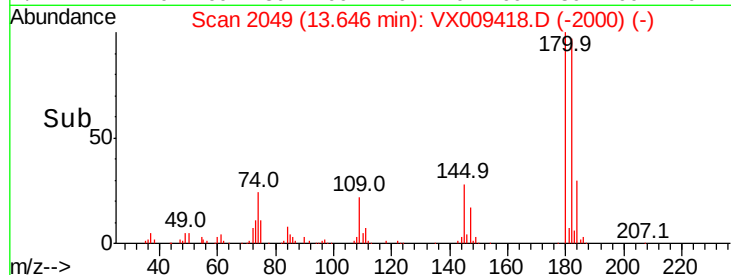
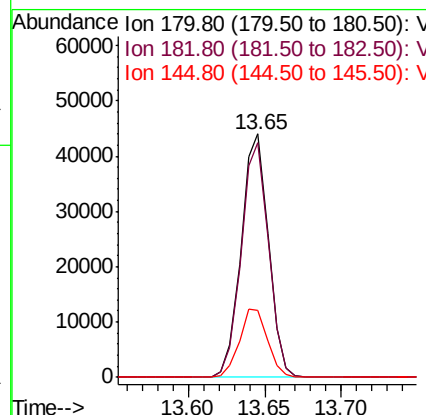
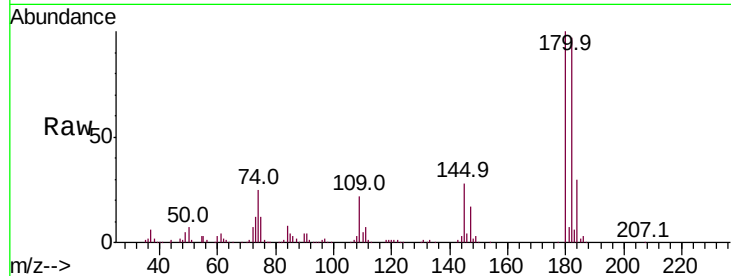
#93
 1,2,4-Trichlorobenzene
 Concen: 20.350 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009418.D
 Acq: 09 May 2019 11:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.3	48.4	145.2	
145	28.8	14.6	43.8	

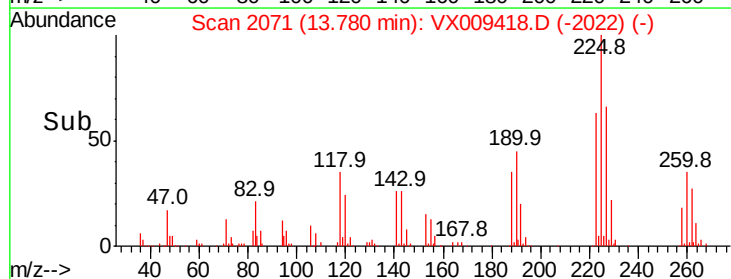
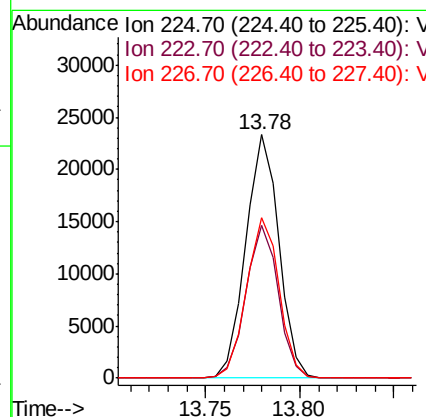
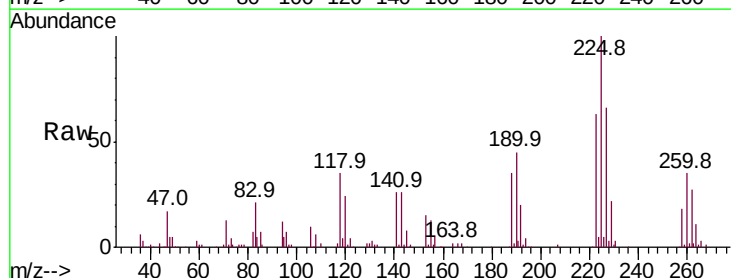
Manual Integrations
 APPROVED

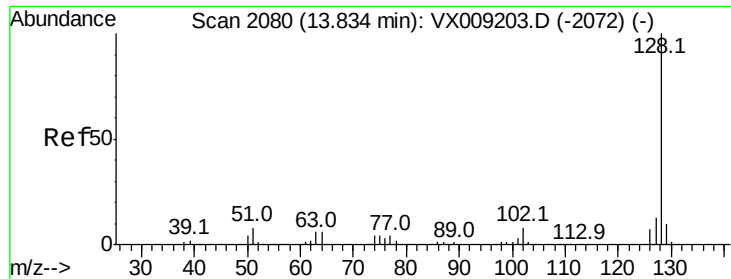
MMDadoda
 5/10/2019 1:11:51 PM



#94
 Hexachlorobutadiene
 Concen: 20.767 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009418.D
 Acq: 09 May 2019 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.8	31.3	93.8	
227	65.4	31.8	95.3	





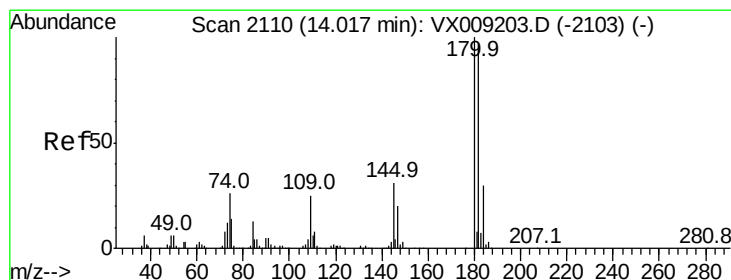
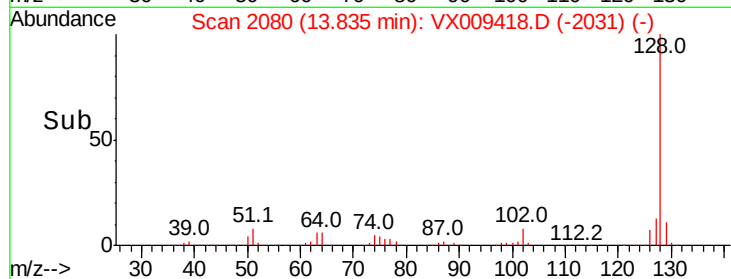
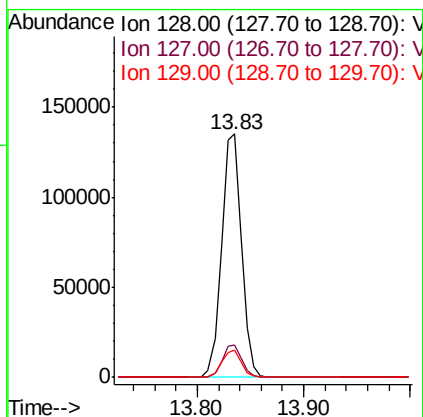
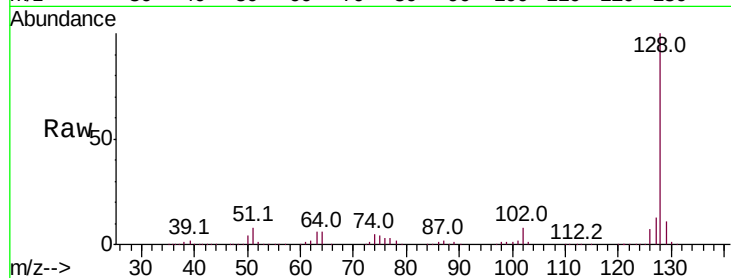
#95
Naphthalene
Concen: 20.243 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/10/2019 1:11:51 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.922 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.8	143.4
145	30.6	15.4	46.4

