

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052119\
 Data File : VX009749.D
 Acq On : 21 May 2019 15:47
 Operator : JC/SP
 Sample : VX0521WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0521WBS02

Manual Integrations
 APPROVED

MMDadoda
 5/22/2019 9:40:44 AM

Quant Time: May 22 07:52:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	169304	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	268880	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	241543	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	114844	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	102118	44.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.36%	
35) Dibromofluoromethane	5.50	113	76144	45.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.10%	
50) Toluene-d8	8.71	98	296760	43.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.98%	
62) 4-Bromofluorobenzene	11.13	95	108622	43.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.62%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	28256	18.111	ug/l	99
3) Chloromethane	1.32	50	42866	20.125	ug/l	99
4) Vinyl Chloride	1.41	62	40697	19.594	ug/l	96
5) Bromomethane	1.64	94	25800	20.695	ug/l	99
6) Chloroethane	1.72	64	25415	19.058	ug/l	96
7) Trichlorofluoromethane	1.93	101	49160	19.471	ug/l	99
8) Diethyl Ether	2.19	74	22356	18.693	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.38	101	30099	18.984	ug/l	99
10) Methyl Iodide	2.51	142	31803	20.272	ug/l	99
11) Tert butyl alcohol	3.04	59	50148	93.737	ug/l	99
12) 1,1-Dichloroethene	2.37	96	30937	19.475	ug/l	99
13) Acrolein	2.29	56	35224	72.702	ug/l	98
14) Allyl chloride	2.73	41	72667	18.771	ug/l	99
15) Acrylonitrile	3.14	53	125435	95.892	ug/l	100
16) Acetone	2.45	43	125553	101.169	ug/l	98
17) Carbon Disulfide	2.57	76	88716	19.892	ug/l	99
18) Methyl Acetate	2.78	43	53091	17.988	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	114274	18.525	ug/l	99
20) Methylene Chloride	2.85	84	37474	18.649	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	32921	19.109	ug/l	97
22) Diisopropyl ether	3.85	45	143415	19.263	ug/l	90
23) Vinyl Acetate	3.82	43	639281	100.275	ug/l	98
24) 1,1-Dichloroethane	3.70	63	68881	18.755	ug/l	99
25) 2-Butanone	4.68	43	193260	100.212	ug/l	97
26) 2,2-Dichloropropane	4.59	77	51287	18.761	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	38430	18.688	ug/l	99
28) Bromochloromethane	5.02	49	33535	21.098	ug/l	97
29) Tetrahydrofuran	5.13	42	124477	100.305	ug/l	98
30) Chloroform	5.21	83	62797	18.905	ug/l	98
31) Cyclohexane	5.58	56	68362	20.007	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	52061	18.827	ug/l	98
36) 1,1-Dichloropropene	5.80	75	47170	18.878	ug/l	98
37) Ethyl Acetate	4.84	43	70252	20.179	ug/l	100
38) Carbon Tetrachloride	5.78	117	43116	18.992	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	60353	19.667	ug/l	99
40) Benzene	6.14	78	150960	19.521	ug/l	99
41) Methacrylonitrile	5.04	41	39375	19.000	ug/l	98
42) 1,2-Dichloroethane	6.19	62	54921	19.798	ug/l	99
43) Isopropyl Acetate	6.45	43	109482	19.660	ug/l	99
44) Trichloroethene	7.21	130	34774	18.601	ug/l	96
45) 1,2-Dichloropropane	7.51	63	42600	19.455	ug/l	96
46) Dibromomethane	7.66	93	24234	19.058	ug/l	99
47) Bromodichloromethane	7.90	83	47964	18.910	ug/l	100
48) Methyl methacrylate	7.77	41	54433	19.702	ug/l	99
49) 1,4-Dioxane	7.74	88	20632	368.233	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	367160	100.871	ug/l	98
52) Toluene	8.79	92	92205	19.615	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	54611	19.070	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	60498	19.086	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	36432	18.997	ug/l	96
56) Ethyl methacrylate	9.18	69	65616	19.167	ug/l	97
57) 1,3-Dichloropropane	9.37	76	65111	19.293	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	159577	87.869	ug/l	100
59) 2-Hexanone	9.49	43	286632	100.266	ug/l	98
60) Dibromochloromethane	9.58	129	35569	18.990	ug/l	100
61) 1,2-Dibromoethane	9.67	107	36783	19.001	ug/l	99
64) Tetrachloroethene	9.34	164	31722	19.146	ug/l	98
65) Chlorobenzene	10.13	112	93432	19.336	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	32820	18.735	ug/l	99
67) Ethyl Benzene	10.25	91	171527	19.289	ug/l	100
68) m/p-Xylenes	10.36	106	125888	38.739	ug/l	98
69) o-Xylene	10.70	106	60628	18.909	ug/l	96
70) Styrene	10.71	104	105449	18.922	ug/l	99
71) Bromoform	10.85	173	26439	18.572	ug/l #	100
73) Isopropylbenzene	11.02	105	161744	19.367	ug/l	98
74) N-amyl acetate	10.90	43	96919	19.906	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	61576	19.779	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	53526m	20.093	ug/l	
77) Bromobenzene	11.26	156	40328	19.455	ug/l	99
78) n-propylbenzene	11.36	91	185579	19.458	ug/l	100
79) 2-Chlorotoluene	11.42	91	113444	19.279	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	138017	19.627	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	19437	18.669	ug/l	90
82) 4-Chlorotoluene	11.51	91	128625	19.349	ug/l	99
83) tert-Butylbenzene	11.77	119	132015	19.299	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	137554	19.489	ug/l	99
85) sec-Butylbenzene	11.94	105	155901	19.223	ug/l	100
86) p-Isopropyltoluene	12.06	119	140522	19.274	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	70265	19.015	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	70205	18.845	ug/l	98
89) n-Butylbenzene	12.38	91	126941	19.264	ug/l	100
90) Hexachloroethane	12.60	117	23271	18.735	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	72344	19.221	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	13402	19.190	ug/l	98

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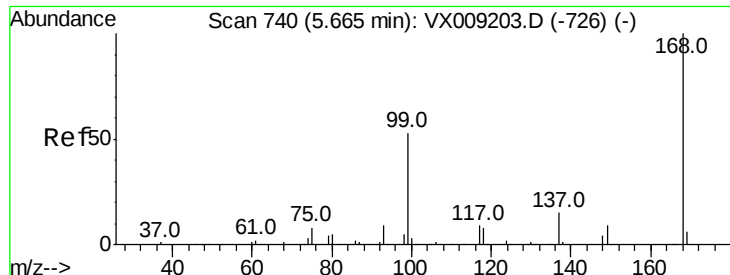
Manual Integrations
APPROVED

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	49517	19.239	ug/l	97
94) Hexachlorobutadiene	13.78	225	25525	19.421	ug/l	99
95) Naphthalene	13.83	128	155448	18.564	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	49377	18.926	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS02

Tot Ion:168 Resp: 169304

Ion Ratio Lower Upper

168 100

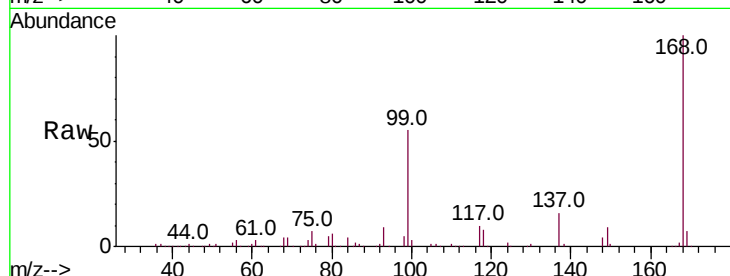
99 55.0 42.3 63.5

Manual Integrations

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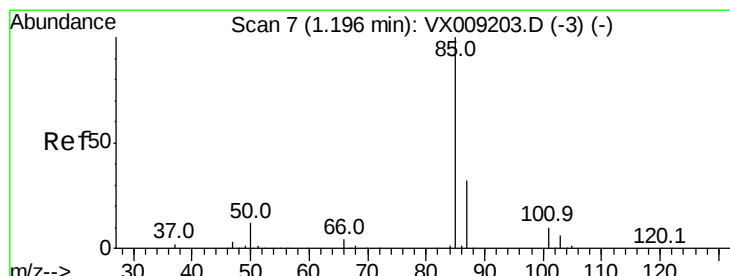
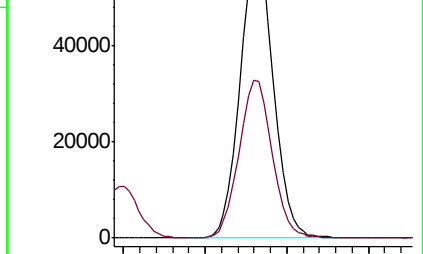
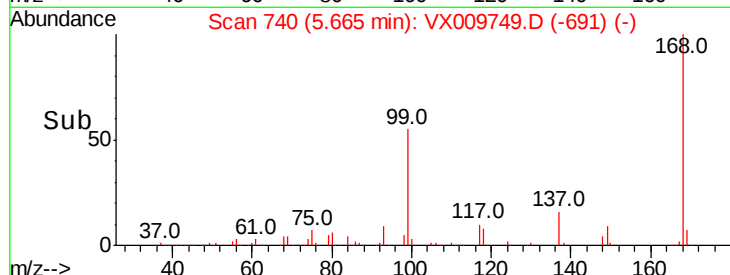


Abundance Ion 167.90 (167.60 to 168.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

5.67

Time-->



#2

Dichlorodifluoromethane

Concen: 18.111 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009749.D

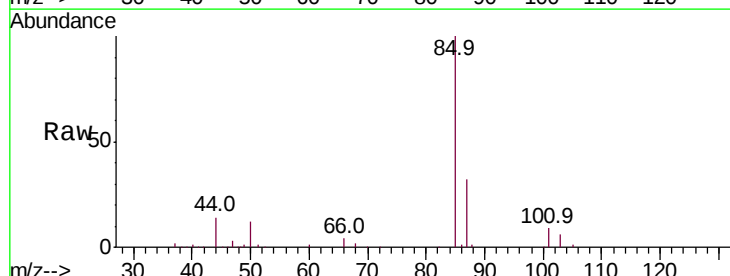
Acq: 21 May 2019 15:47

Tgt Ion: 85 Resp: 28256

Ion Ratio Lower Upper

85 100

87 31.8 16.1 48.3

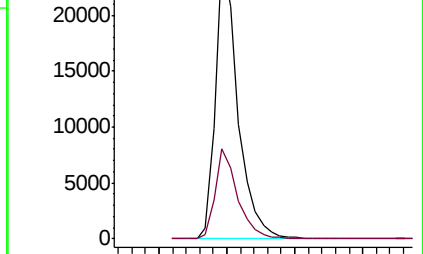
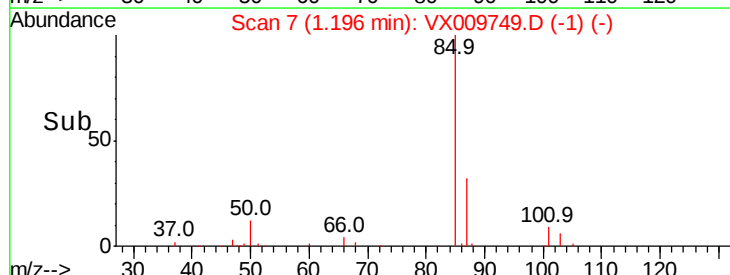


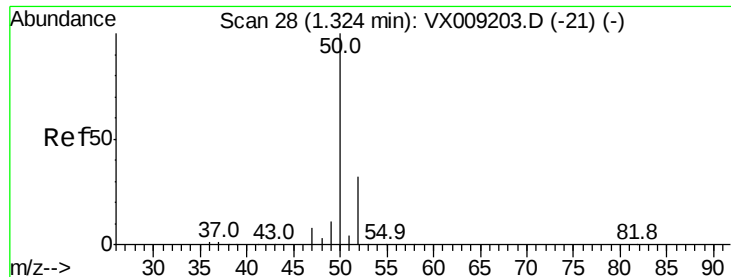
Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

Time-->





#3

Chloromethane

Concen: 20.125 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS02

Tot Ion: 50 Resp: 42866

Ion Ratio Lower Upper

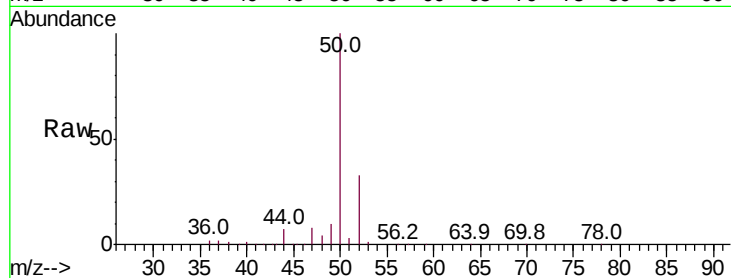
50 100

52 32.7 25.9 38.9

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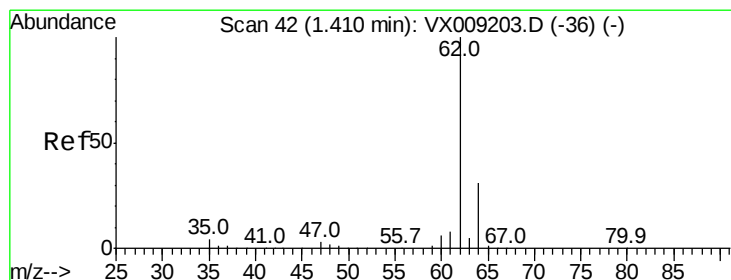
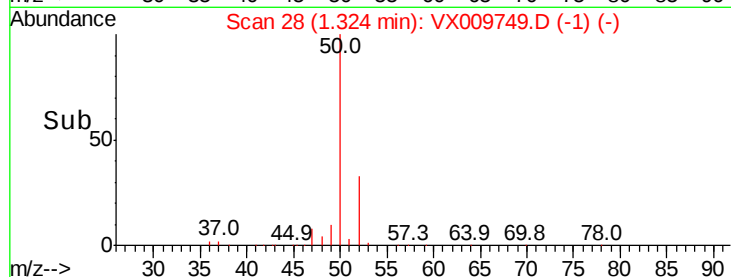
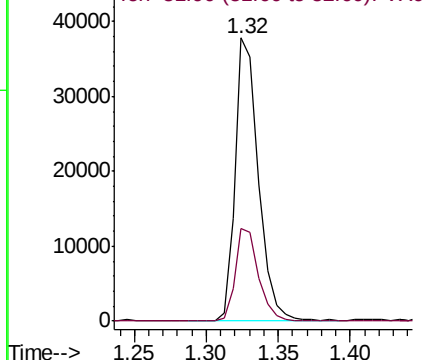
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.594 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009749.D

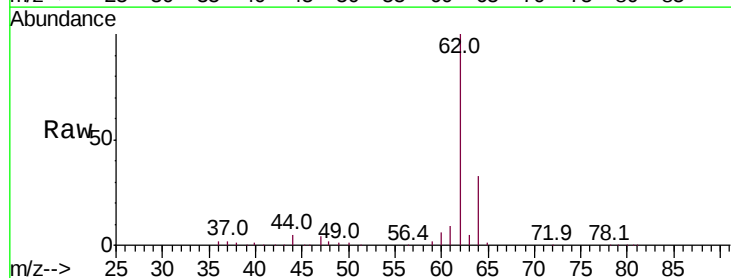
Acq: 21 May 2019 15:47

Tgt Ion: 62 Resp: 40697

Ion Ratio Lower Upper

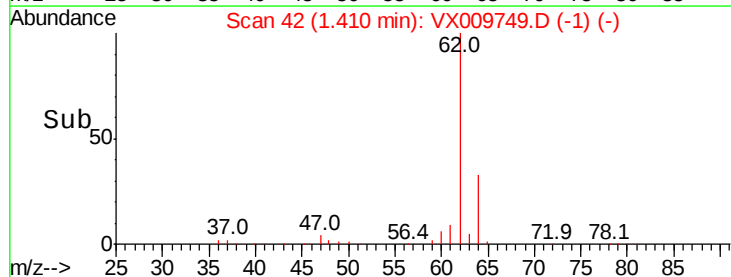
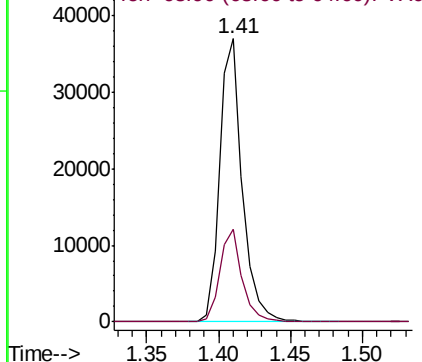
62 100

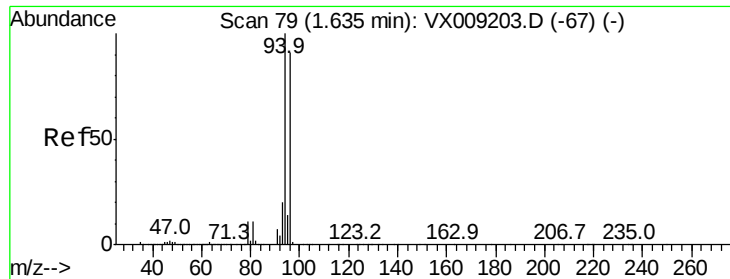
64 32.8 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 20.695 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS02

Tot Ion: 94 Resp: 25800

Ion Ratio Lower Upper

94 100

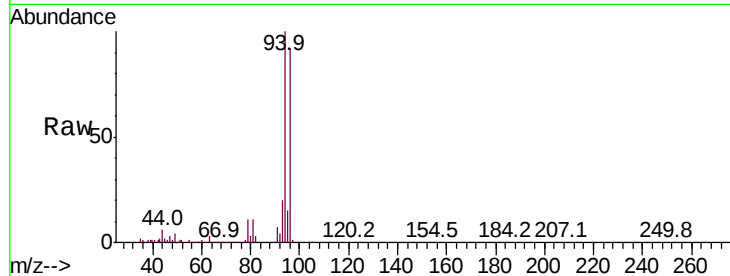
96 92.1 73.0 109.6

Manual Integrations

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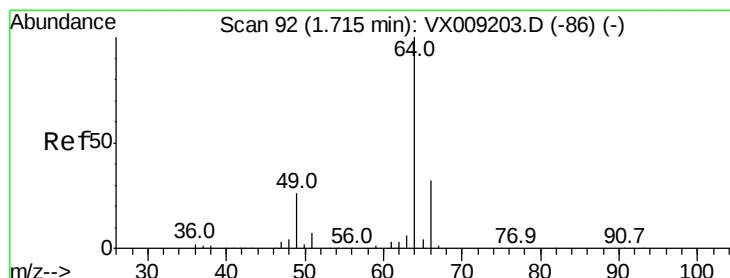
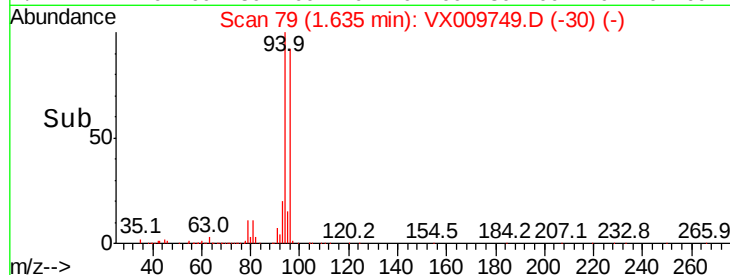
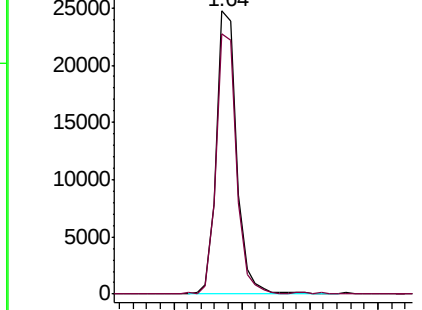
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 19.058 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009749.D

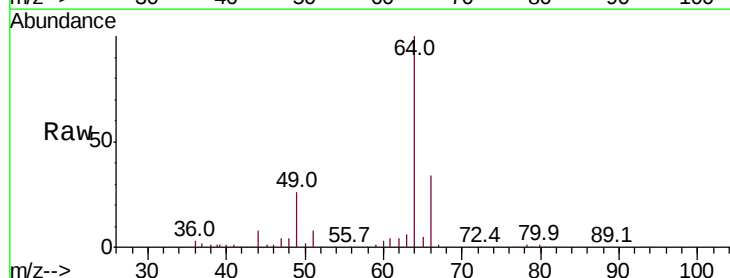
Acq: 21 May 2019 15:47

Tgt Ion: 64 Resp: 25415

Ion Ratio Lower Upper

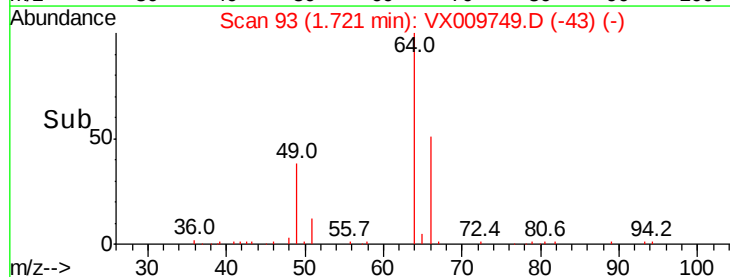
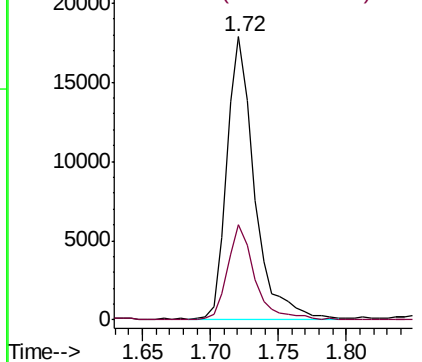
64 100

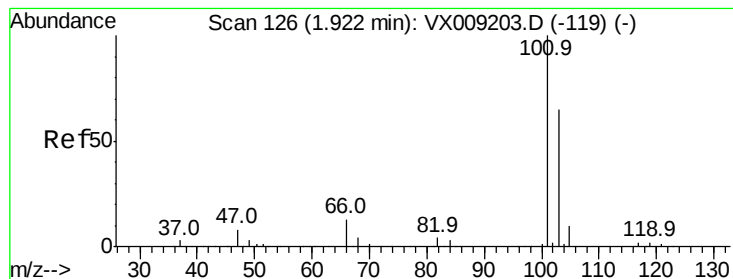
66 33.6 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

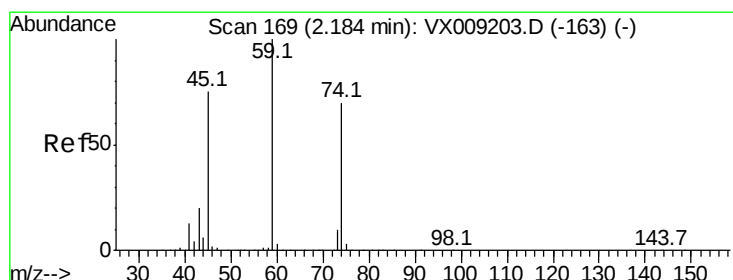
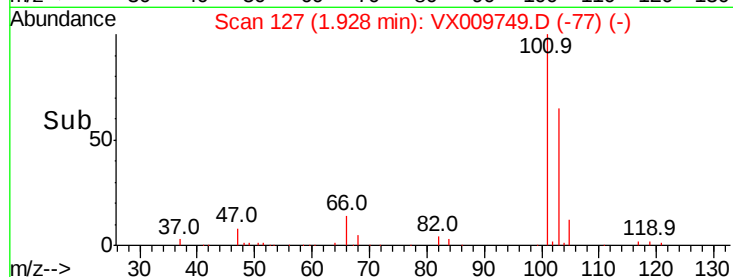
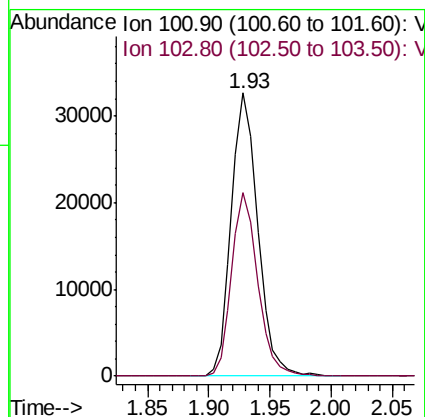
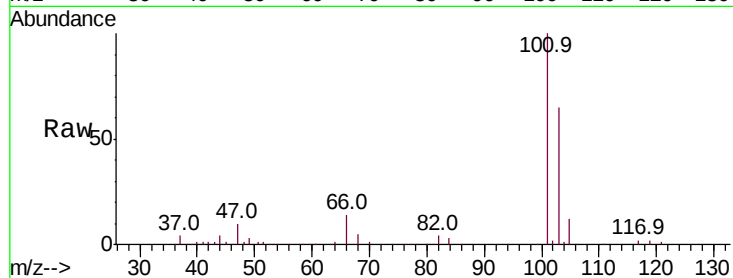
Trichlorofluoromethane
Concen: 19.471 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

Instrument :
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VX0521WBS02

Tot Ion:101 Resp: 49160
Ion Ratio Lower Upper
101 100
103 64.8 52.4 78.6

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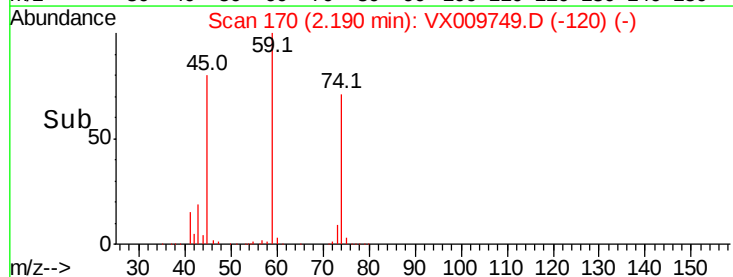
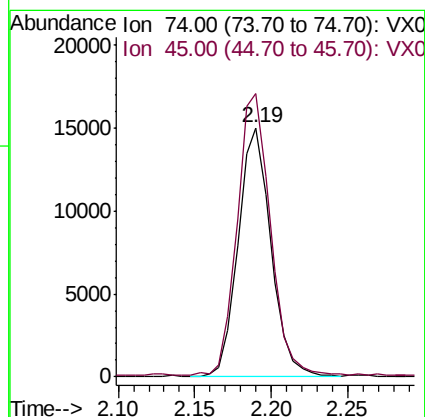
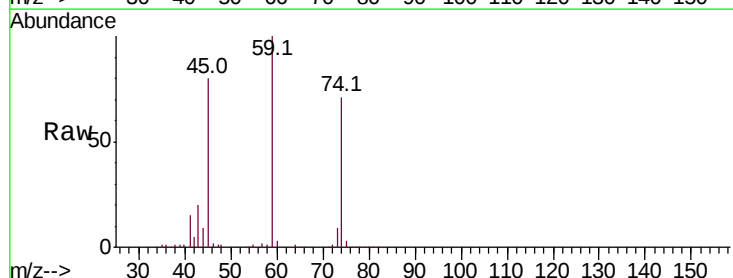
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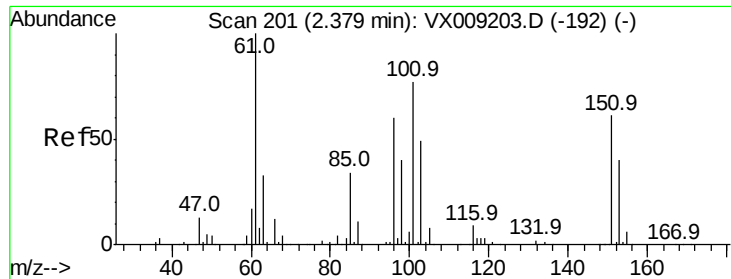


#8

Diethyl Ether
Concen: 18.693 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

Tgt Ion: 74 Resp: 22356
Ion Ratio Lower Upper
74 100
45 114.5 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.984 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

Instrument :

MSVOA_X

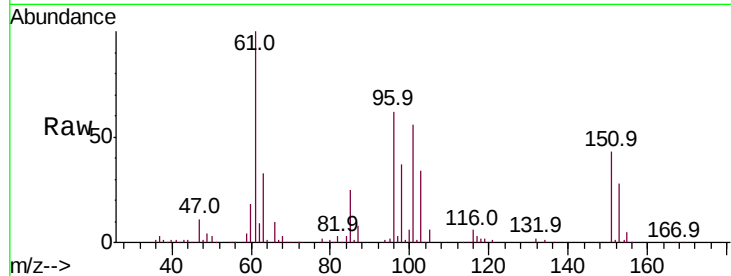
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VX0521WBS02

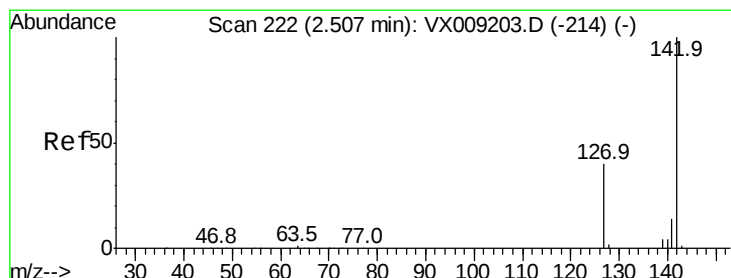
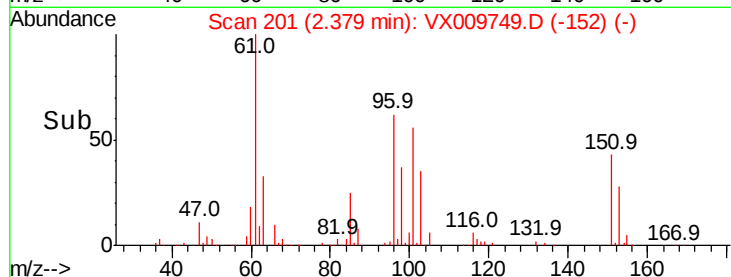
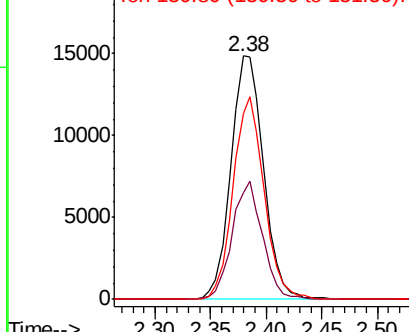
Tot Ion:	101	Resp:	30099
Ion Ratio	Lower	Upper	
101	100		
85	45.1	35.7	53.5
151	78.9	62.2	93.2

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Abundance Ion 100.90 (100.60 to 101.60): V
20000
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.272 ug/l

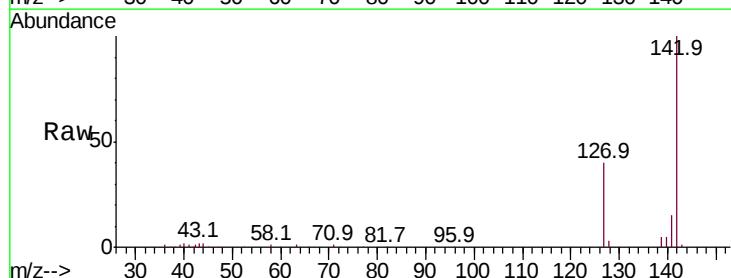
RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

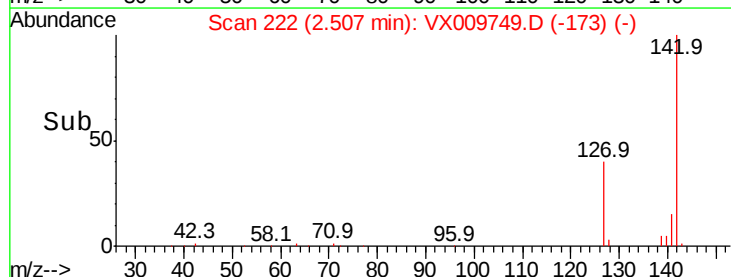
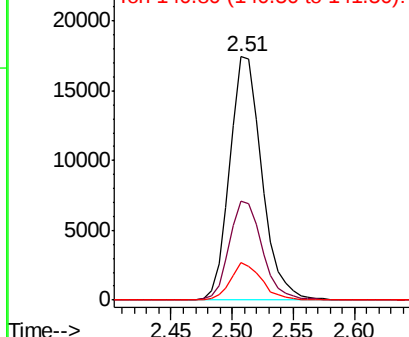
Lab File: VX009749.D

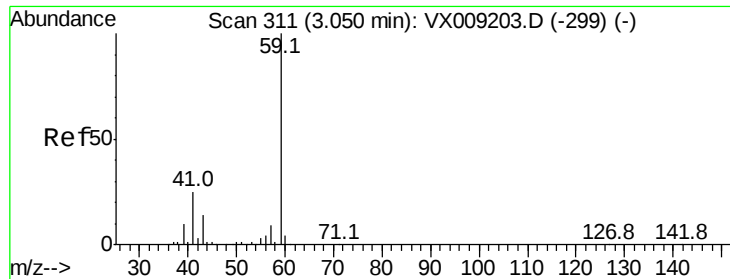
Acq: 21 May 2019 15:47

Tgt Ion:	142	Resp:	31803
Ion Ratio	Lower	Upper	
142	100		
127	41.5	32.7	49.1
141	15.0	11.5	17.3



Abundance Ion 141.80 (141.50 to 142.50): V
20000
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





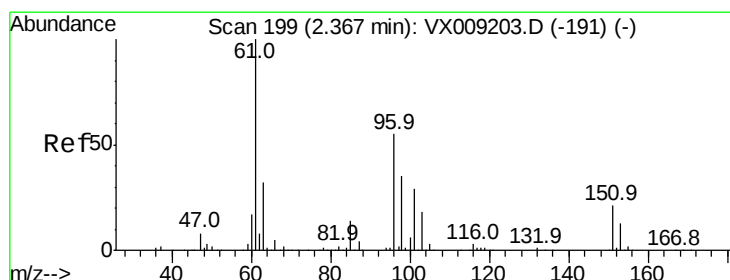
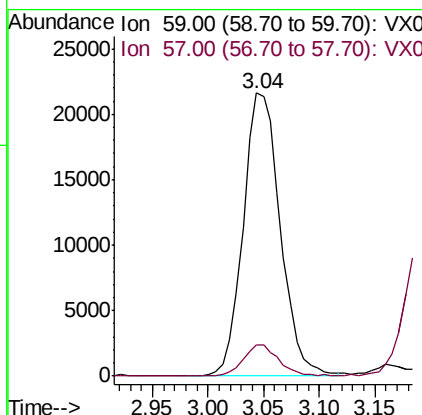
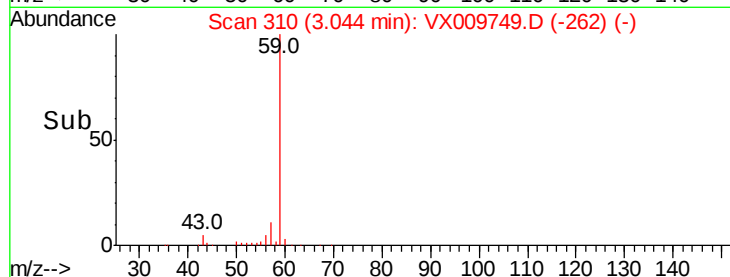
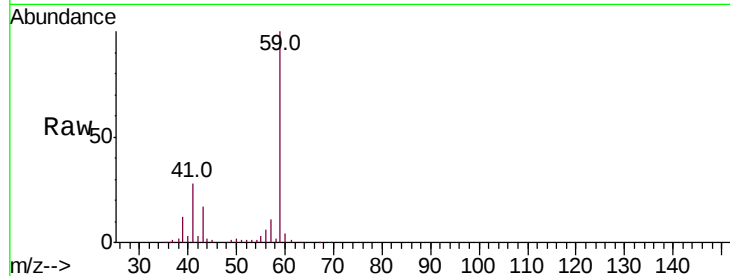
#11
Tert butyl alcohol
Concen: 93.737 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS02

Tot Ion: 59 Resp: 50148
Ion Ratio Lower Upper
59 100
57 10.4 8.2 12.2

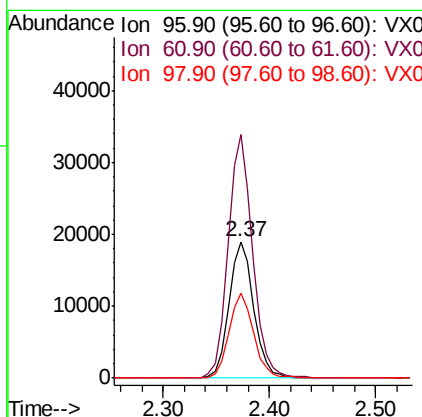
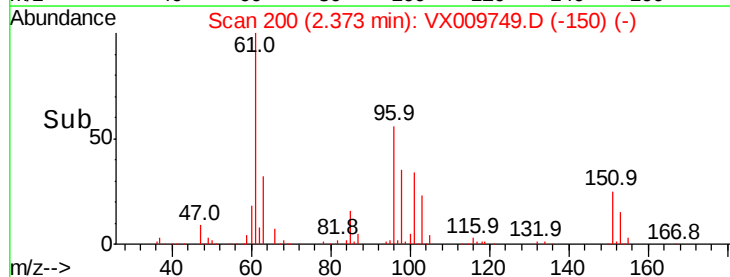
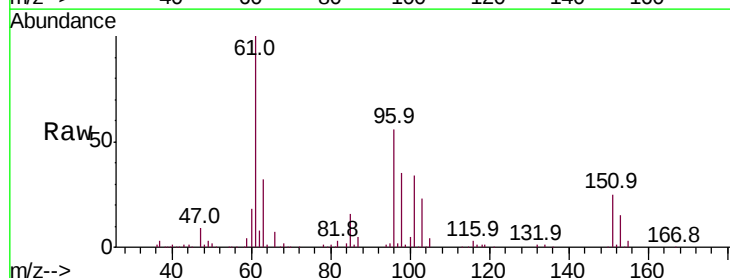
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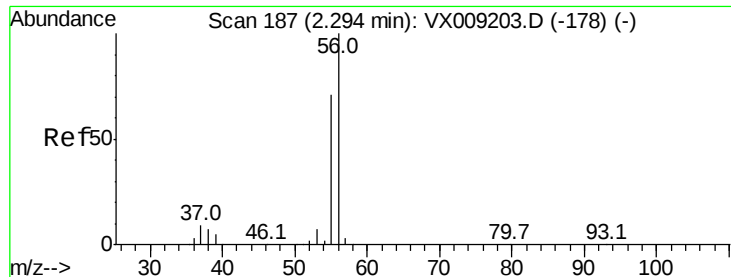
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#12
1,1-Dichloroethene
Concen: 19.475 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

Tgt Ion: 96 Resp: 30937
Ion Ratio Lower Upper
96 100
61 178.6 144.3 216.5
98 61.8 50.3 75.5





#13

Acrolein

Concen: 72.702 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS02

Tot Ion: 56 Resp: 35224

Ion Ratio Lower Upper

56 100

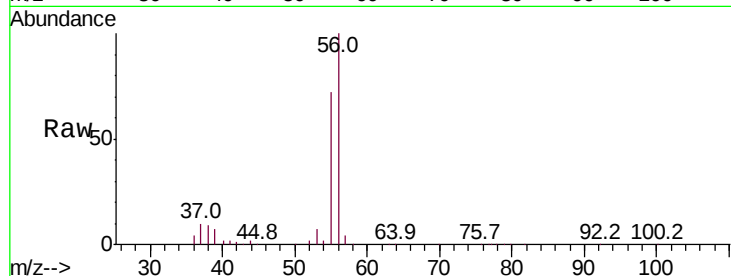
55 72.8 56.6 85.0

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

25000

20000

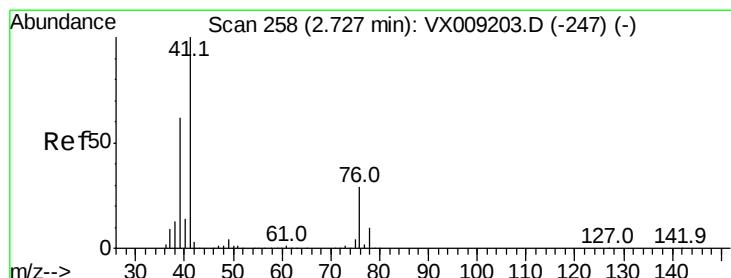
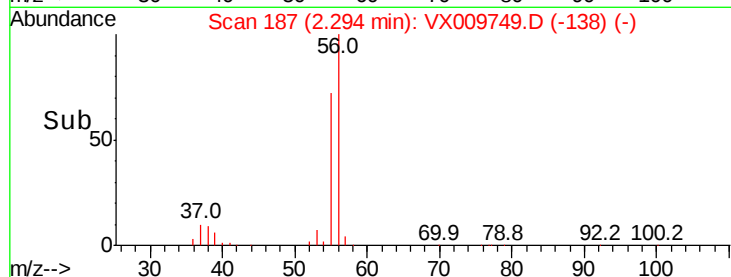
15000

10000

5000

0

Time--> 2.20 2.25 2.30 2.35 2.40



#14

Allyl chloride

Concen: 18.771 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

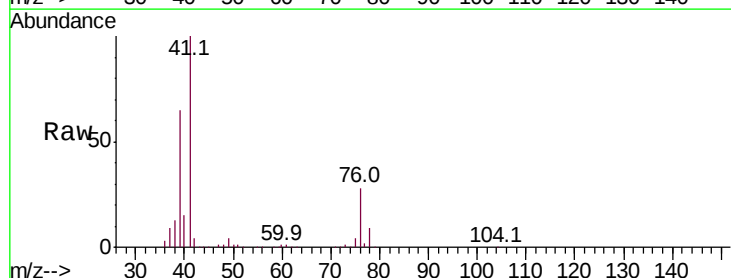
Tgt Ion: 41 Resp: 72667

Ion Ratio Lower Upper

41 100

39 58.9 46.7 70.1

76 26.2 21.8 32.8



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

50000

40000

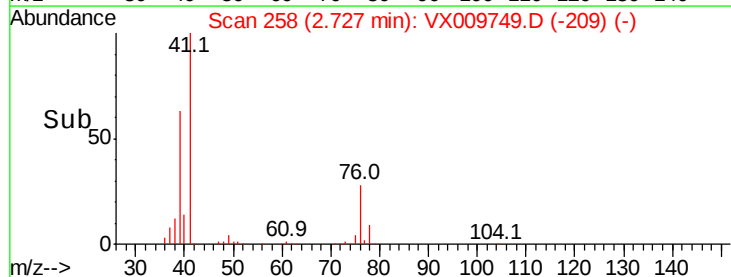
30000

20000

10000

0

Time--> 2.60 2.70 2.80





#15

Acrylonitrile

Concen: 95.892 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

Instrument :

MSVOA_X

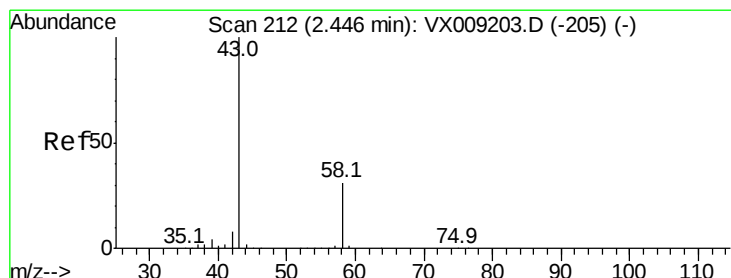
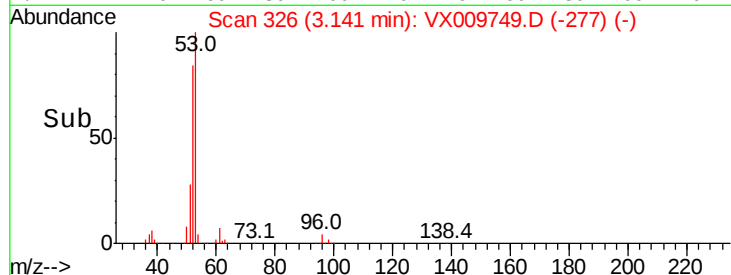
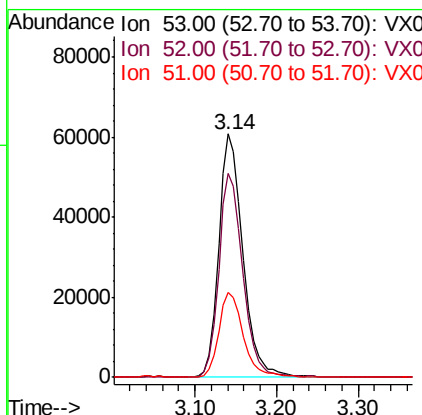
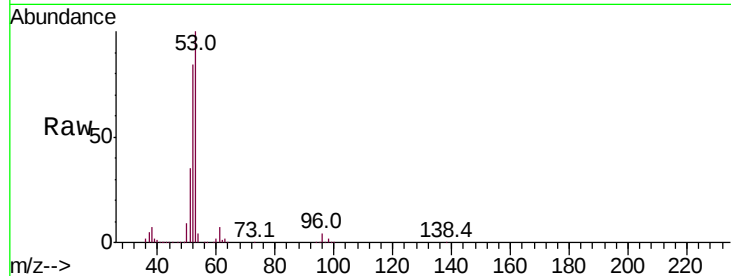
ClientSampleId :

VX0521WBS02

Tot Ion:	53	Resp:	125435
Ion Ratio		Lower	Upper
53	100		
52	83.6	66.9	100.3
51	36.0	28.2	42.2

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#16

Acetone

Concen: 101.169 ug/l

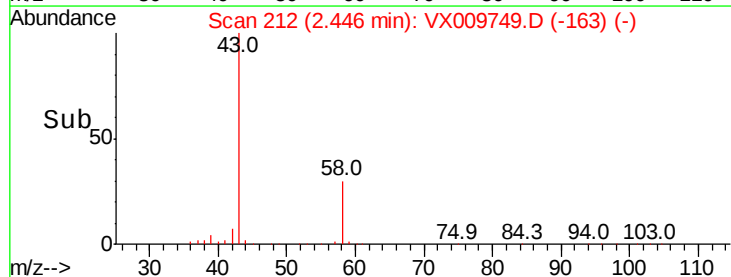
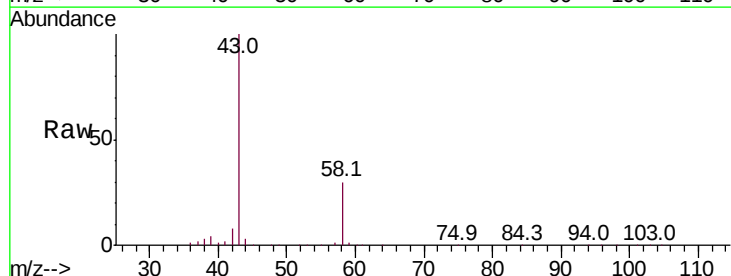
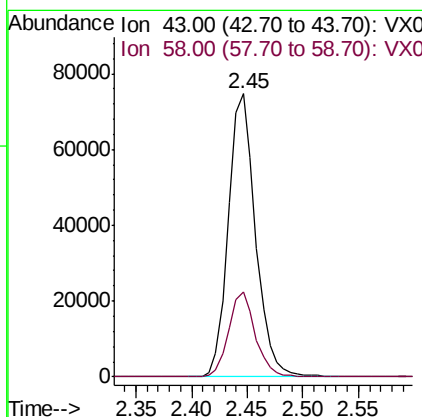
RT: 2.45 min Scan# 212

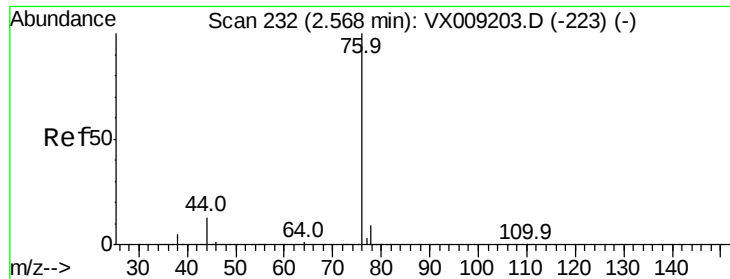
Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

Tgt Ion:	43	Resp:	125553
Ion Ratio		Lower	Upper
43	100		
58	29.8	24.9	37.3





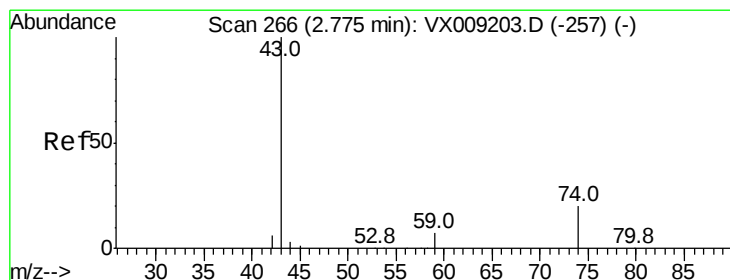
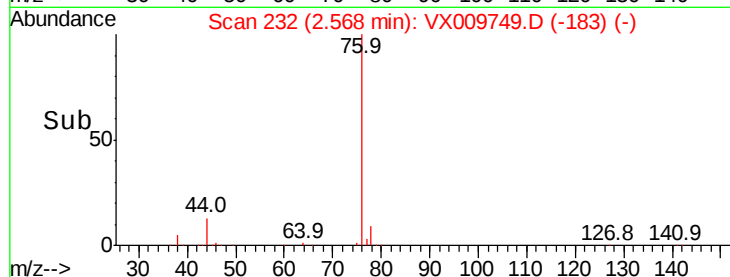
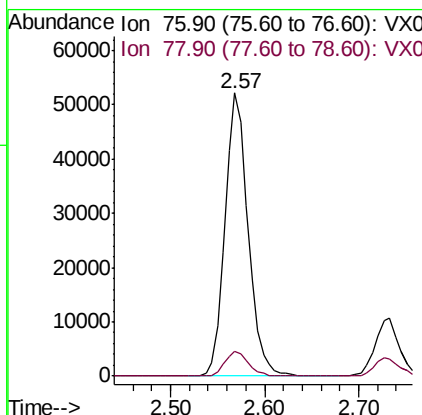
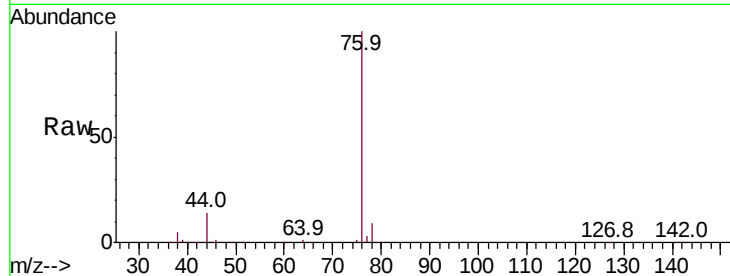
#17
Carbon Disulfide
Concen: 19.892 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS02

Tot Ion: 76 Resp: 88716
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.0

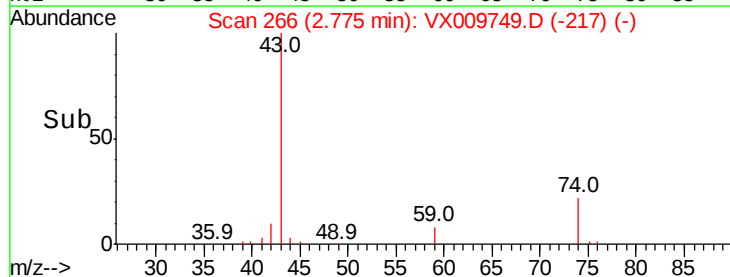
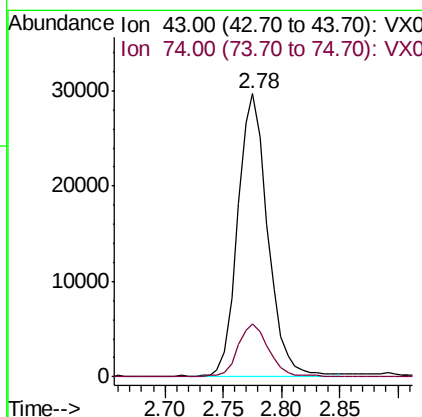
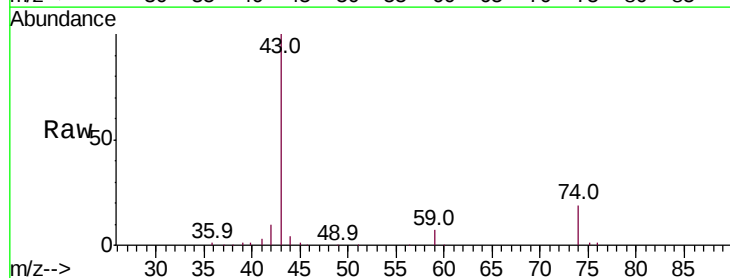
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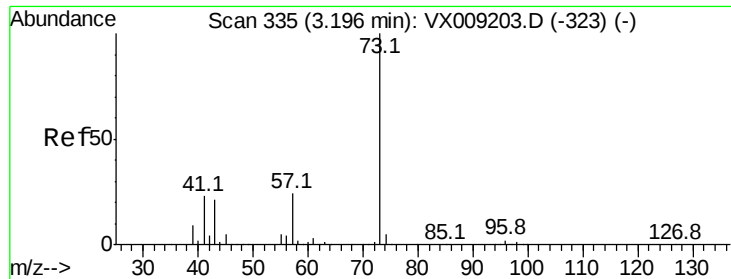
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#18
Methyl Acetate
Concen: 17.988 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

Tgt Ion: 43 Resp: 53091
Ion Ratio Lower Upper
43 100
74 19.8 16.2 24.4





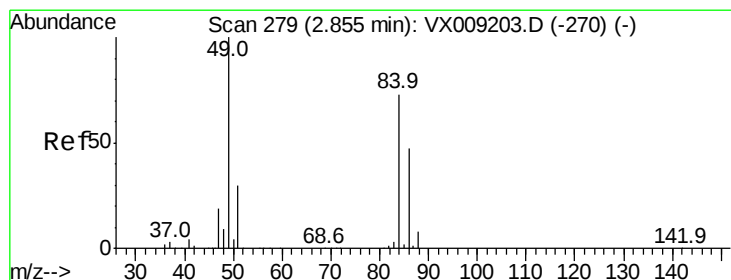
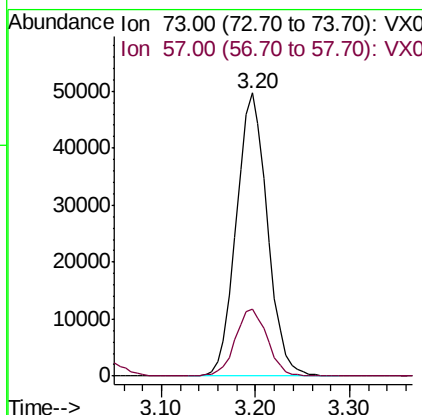
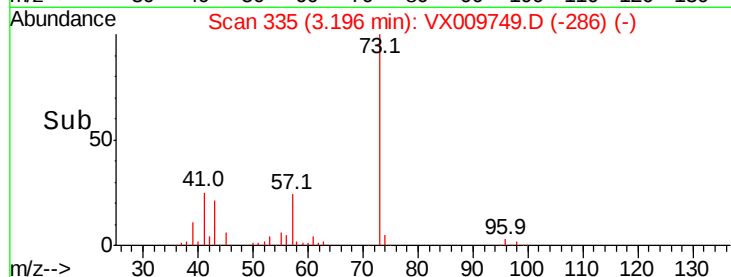
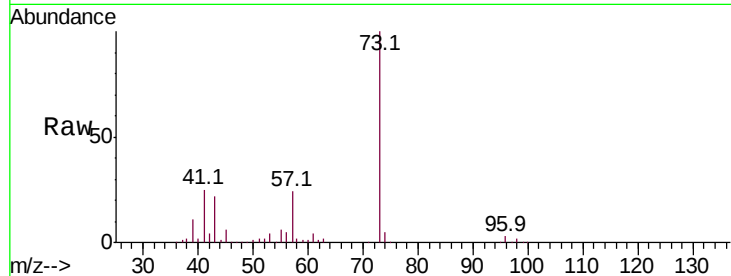
#19
Methvl tert-butvl Ether
Concen: 18.525 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS02

Tot Ion: 73 Resp: 114274
Ion Ratio Lower Upper
73 100
57 23.8 19.3 28.9

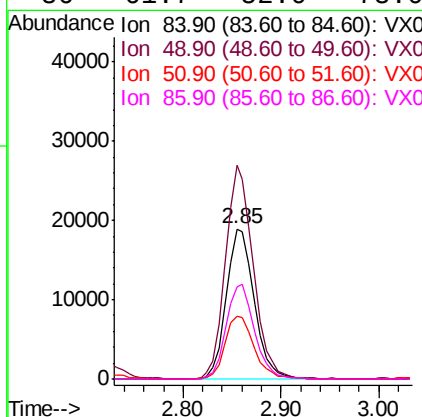
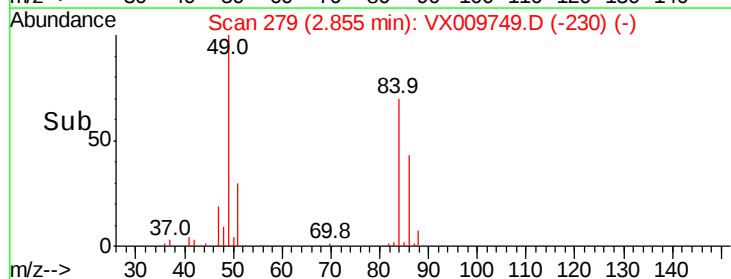
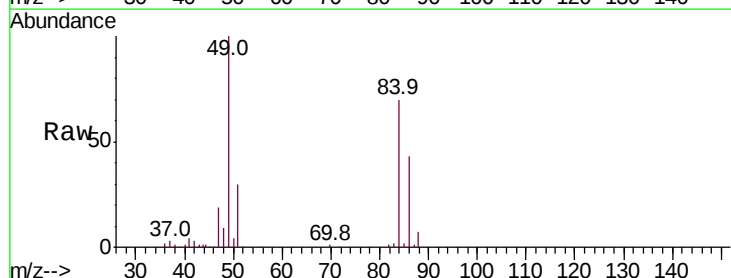
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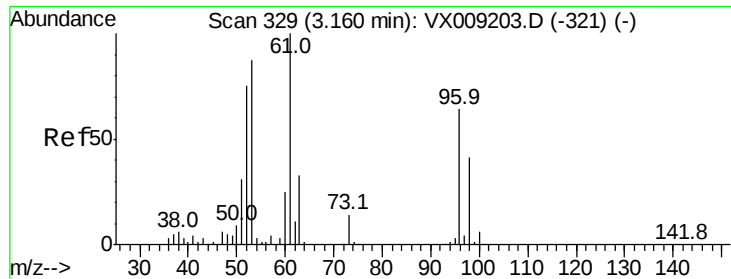
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#20
Methylene Chloride
Concen: 18.649 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

Tgt Ion: 84 Resp: 37474
Ion Ratio Lower Upper
84 100
49 141.9 109.9 164.9
51 42.0 32.7 49.1
86 61.7 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 19.109 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS02

Tot Ion: 96 Resp: 32921

Ion Ratio Lower Upper

96 100

61 150.6 124.5 186.7

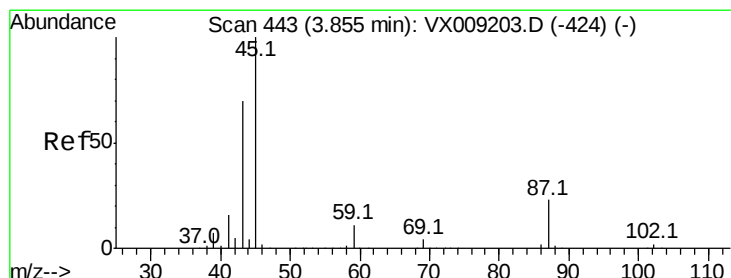
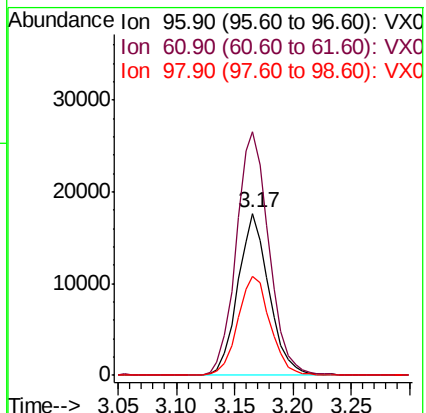
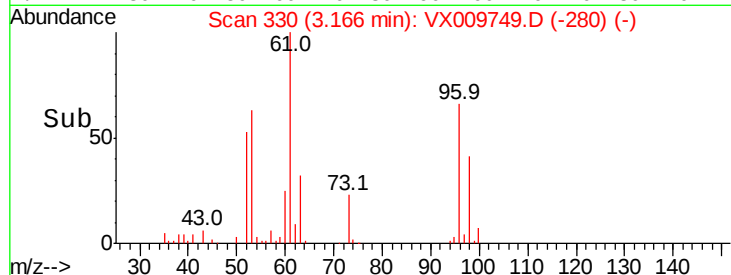
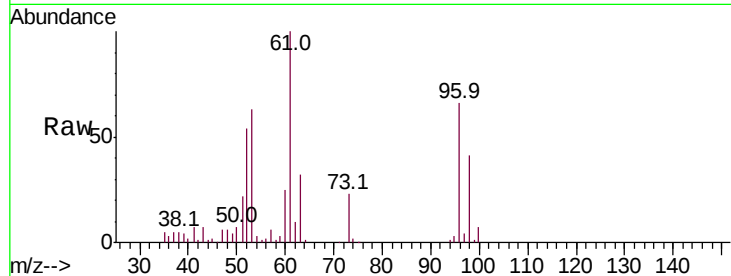
98 61.4 50.4 75.6

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#22

Diisopropyl ether

Concen: 19.263 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

Tgt Ion: 45 Resp: 143415

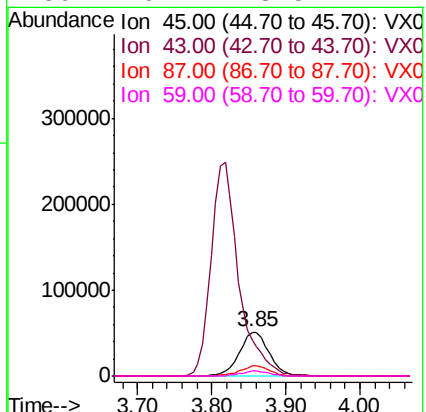
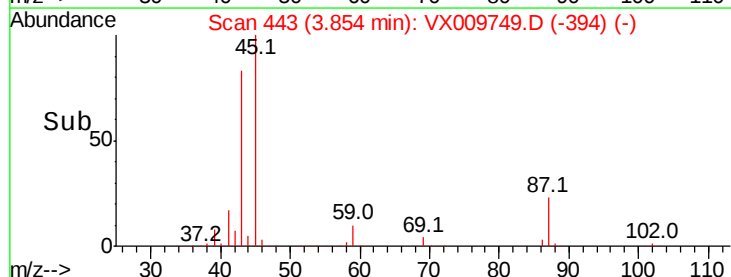
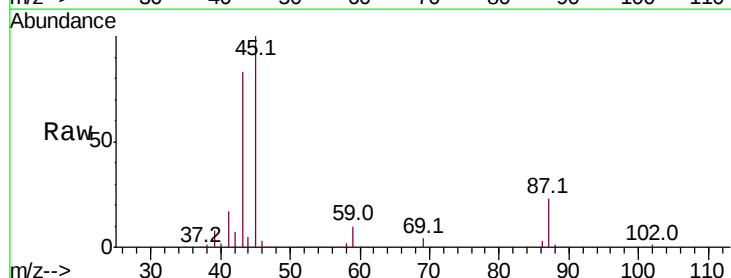
Ion Ratio Lower Upper

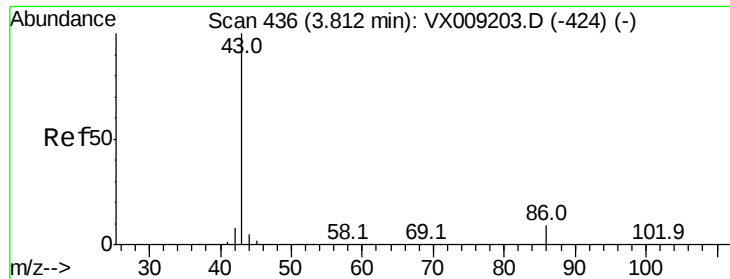
45 100

43 82.1 56.1 84.1

87 22.9 18.1 27.1

59 10.4 8.5 12.7





#23

Vinyl Acetate

Concen: 100.275 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.01 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS02

Tot Ion: 43 Resp: 639281

Ion Ratio Lower Upper

43 100

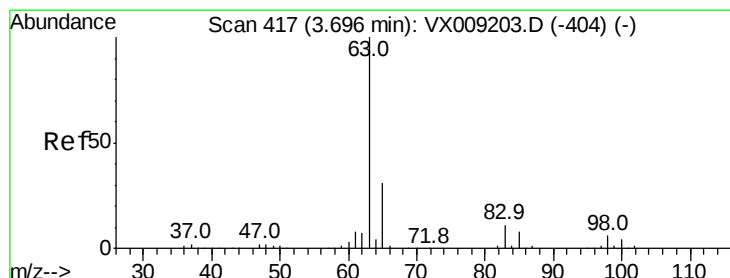
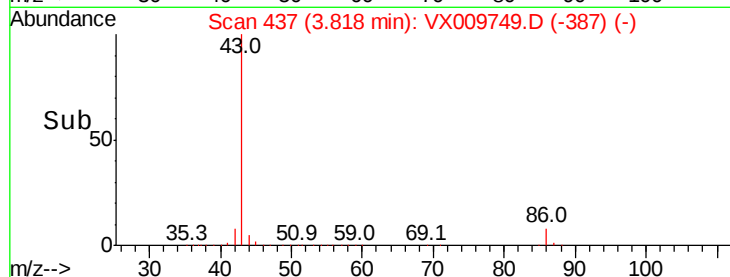
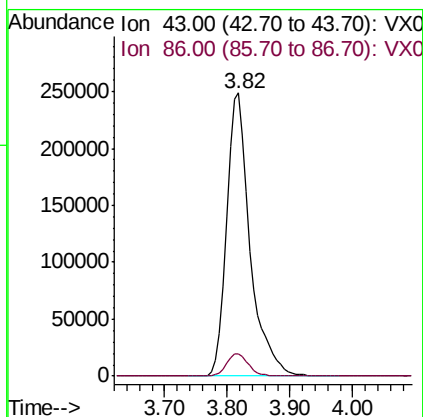
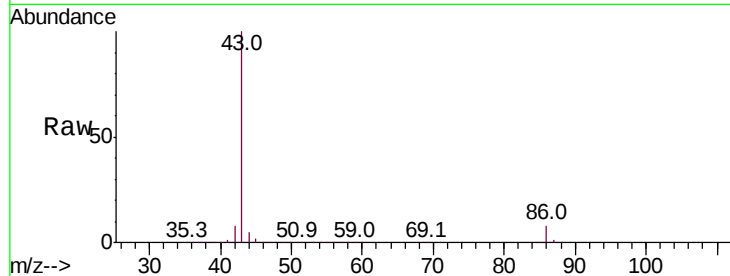
86 8.0 6.9 10.3

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#24

1,1-Dichloroethane

Concen: 18.755 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

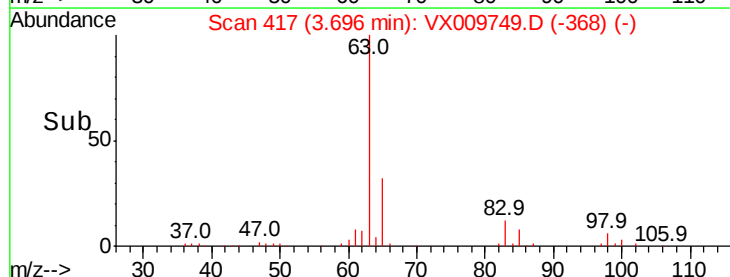
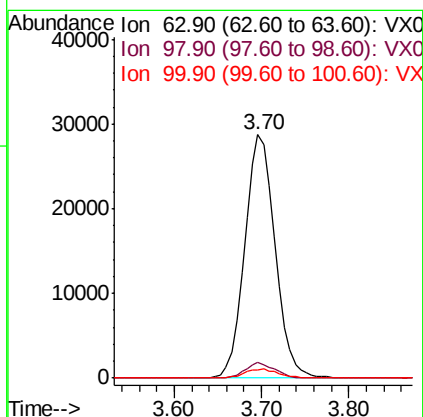
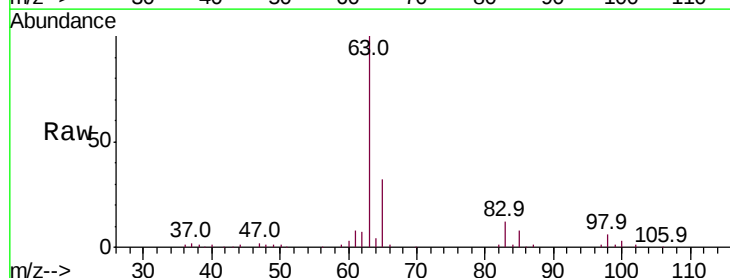
Tgt Ion: 63 Resp: 68881

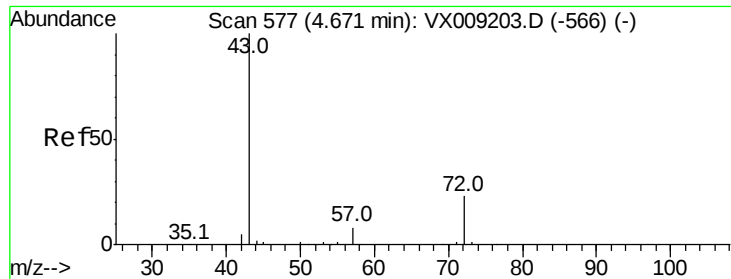
Ion Ratio Lower Upper

63 100

98 6.4 3.0 9.2

100 3.5 2.0 6.0





#25

2-Butanone

Concen: 100.212 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS02

Tot Ion: 43 Resp: 193260

Ion Ratio Lower Upper

43 100

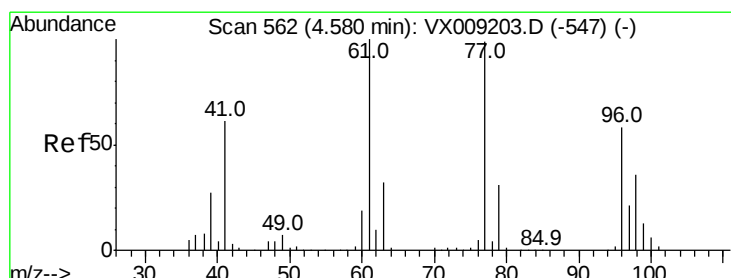
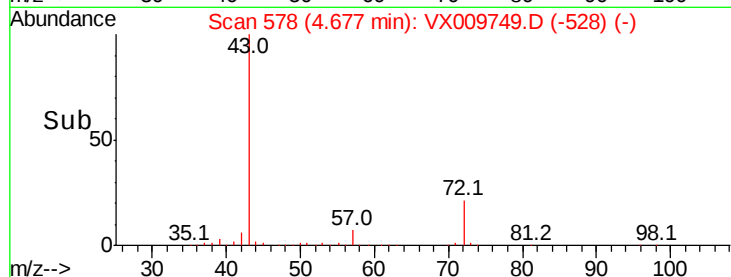
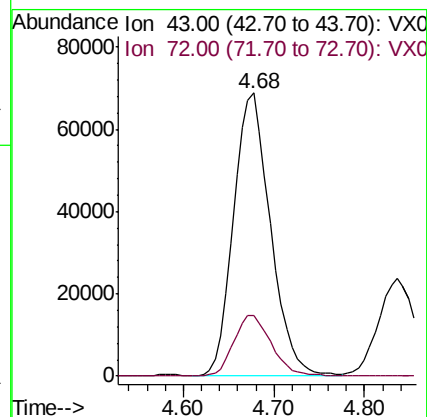
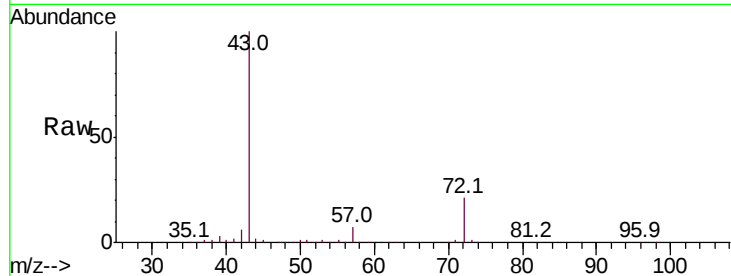
72 21.3 18.2 27.2

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#26

2,2-Dichloropropane

Concen: 18.761 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009749.D

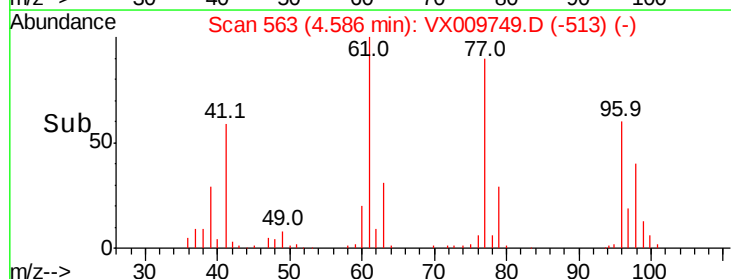
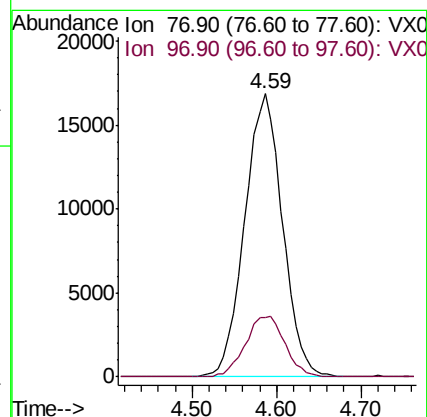
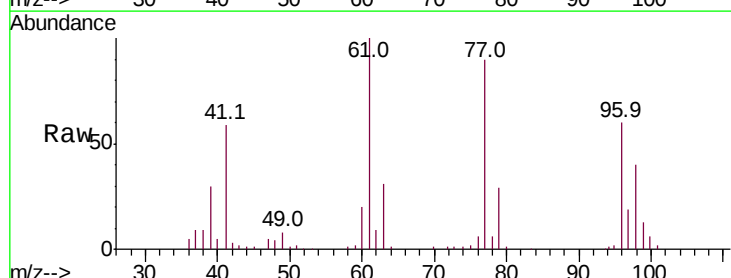
Acq: 21 May 2019 15:47

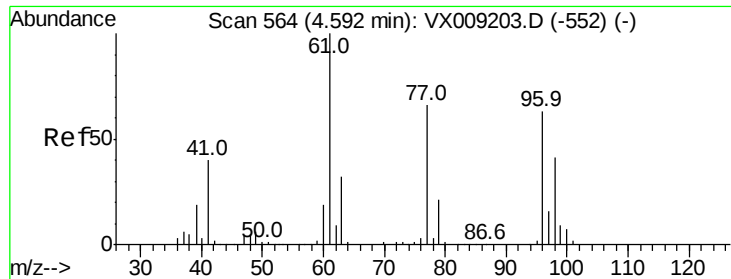
Tgt Ion: 77 Resp: 51287

Ion Ratio Lower Upper

77 100

97 22.5 11.5 34.4





#27

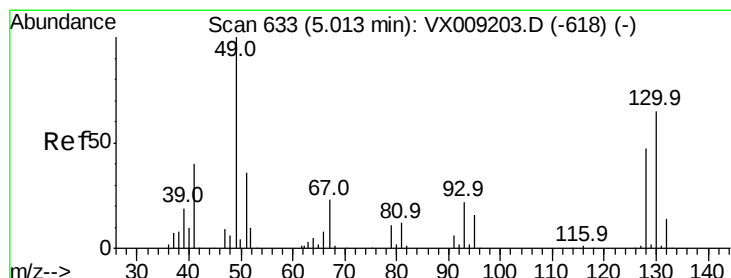
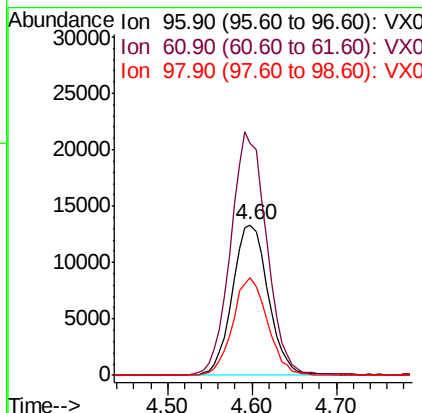
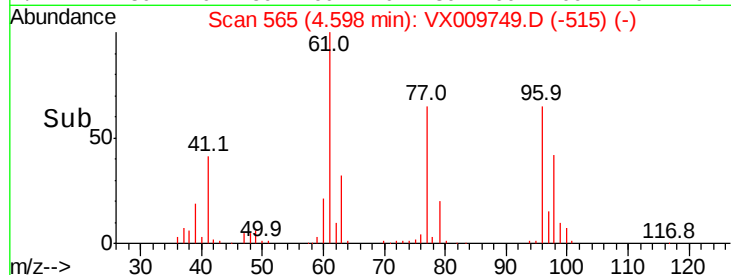
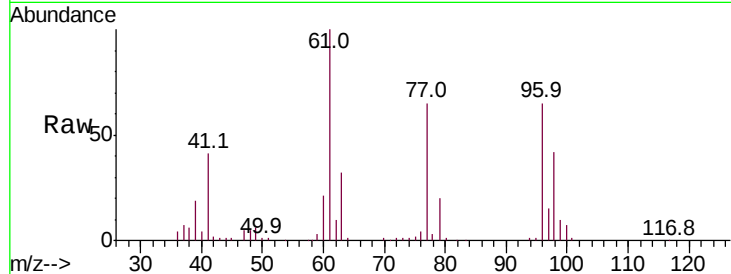
cis-1,2-Dichloroethene
Concen: 18.688 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	162.6	0.0	324.0
98	62.8	0.0	130.4

Manual Integrations
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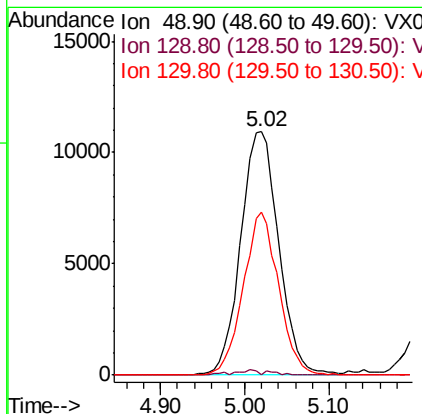
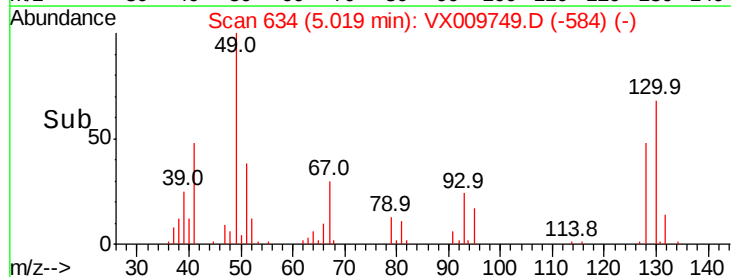
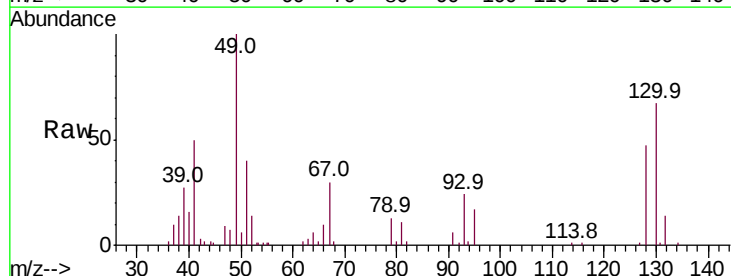
MMDadoda
5/22/2019 9:40:44 AM

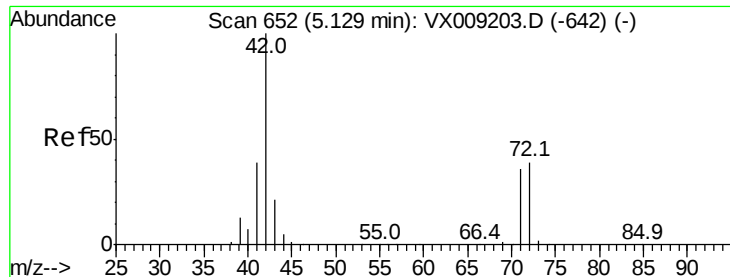


#28

Bromochloromethane
Concen: 21.098 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	3.8
130	62.0	51.2	76.8





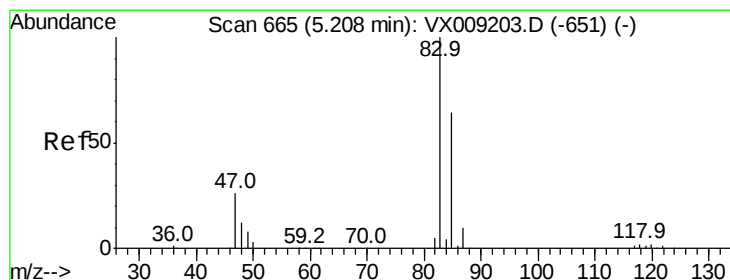
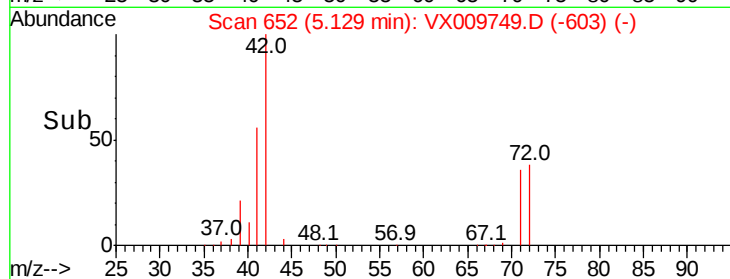
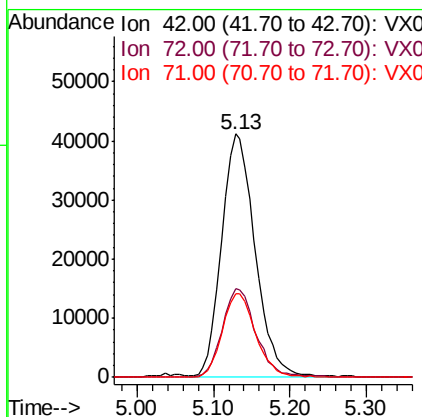
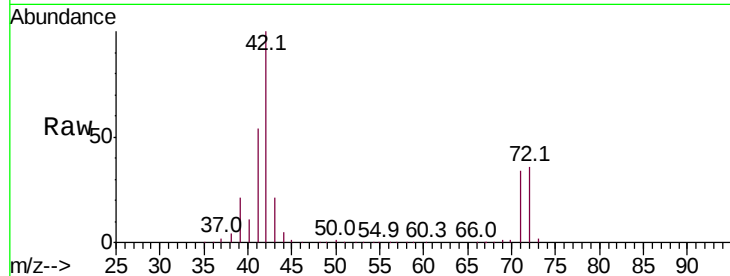
#29
Tetrahydrofuran
Concen: 100.305 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.8	30.4	45.6
71	34.6	28.6	43.0

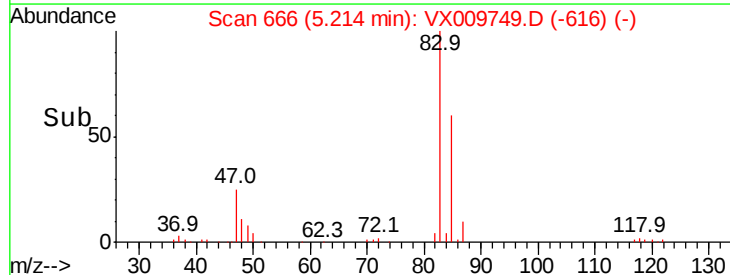
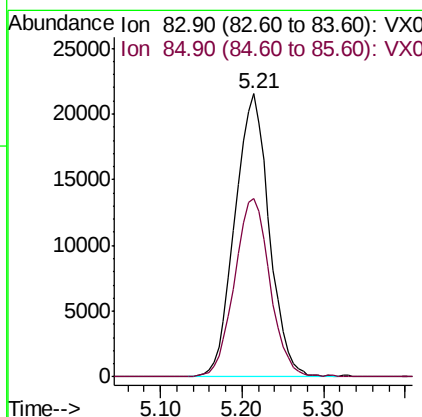
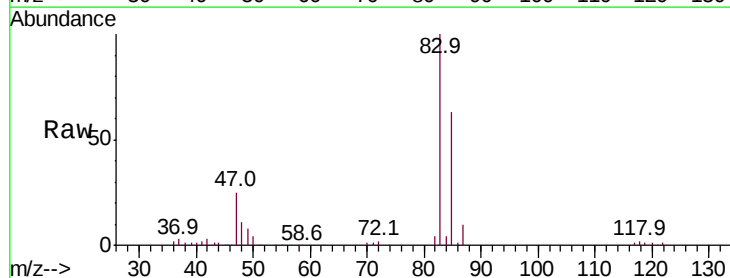
Manual Integrations
APPROVED

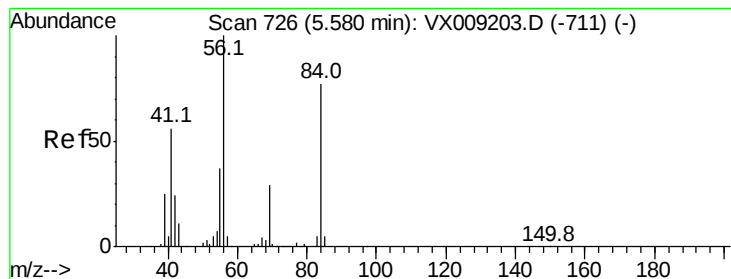
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#30
Chloroform
Concen: 18.905 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.5	77.3





#31

Cyclohexane

Concen: 20.007 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

Instrument :

MSVOA_X

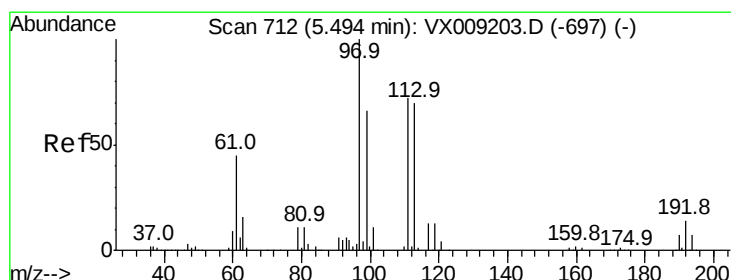
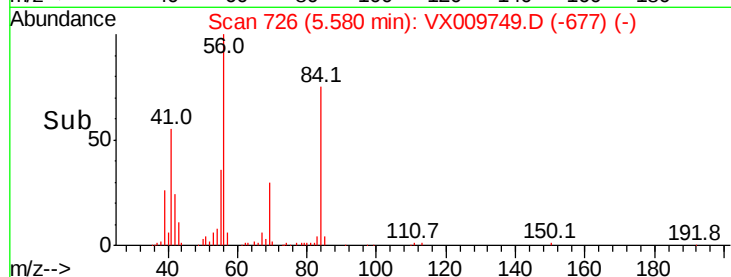
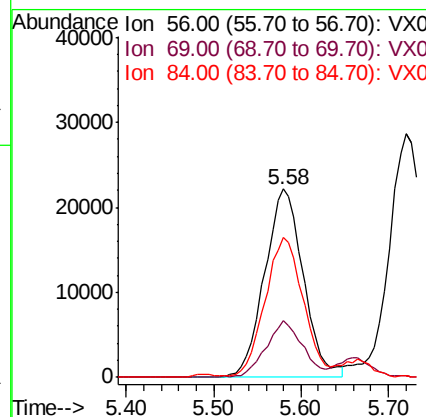
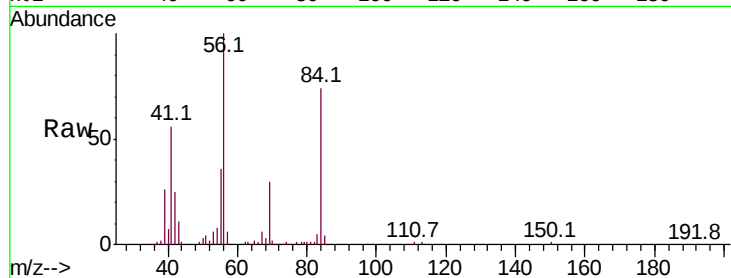
ClientSampleId :

VX0521WBS02

Tot Ion:	56	Resp:	68362
Ion	Ratio	Lower	Upper
56	100		
69	30.1	23.4	35.0
84	73.3	61.9	92.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.827 ug/l

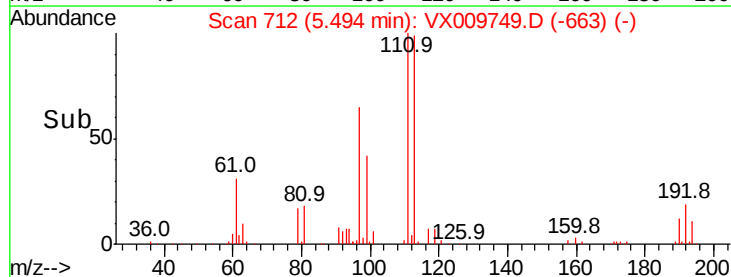
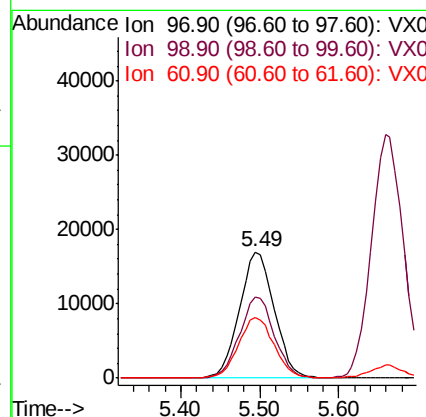
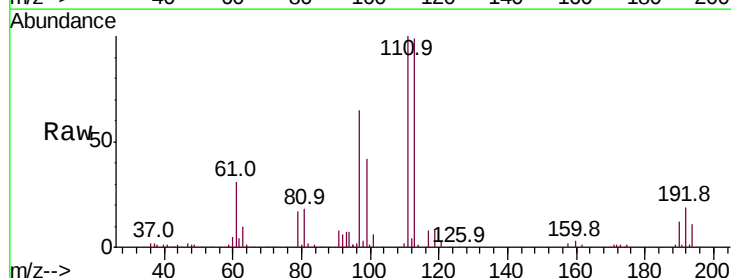
RT: 5.49 min Scan# 712

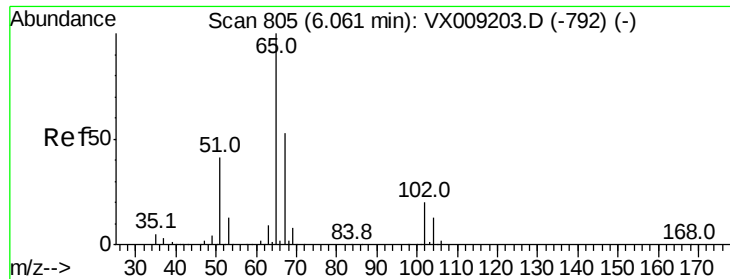
Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

Tgt Ion:	97	Resp:	52061
Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.8	77.8
61	49.4	37.8	56.8





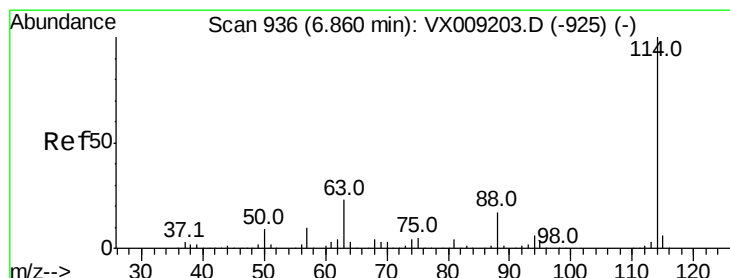
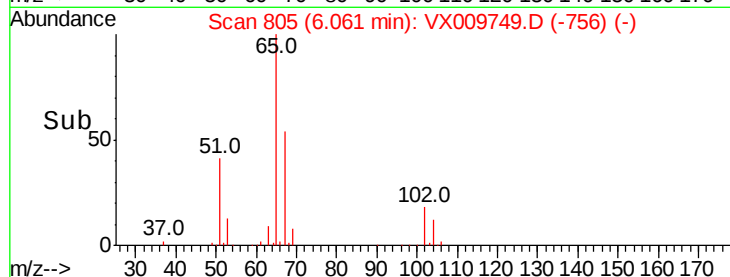
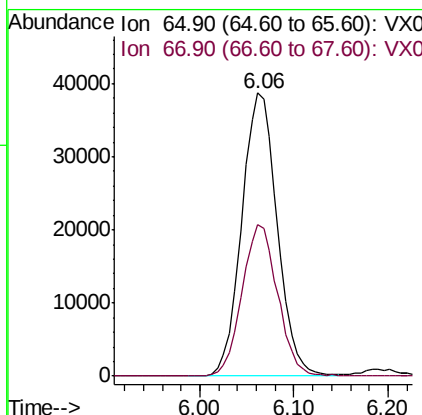
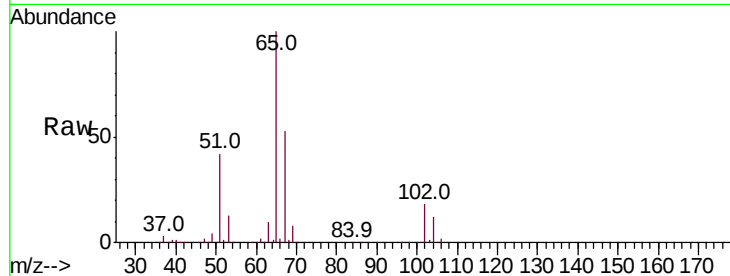
#33
 1,2-Dichloroethane-d4
 Concen: 44.184 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009749.D
 Acq: 21 May 2019 15:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0521WBS02

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	106.6

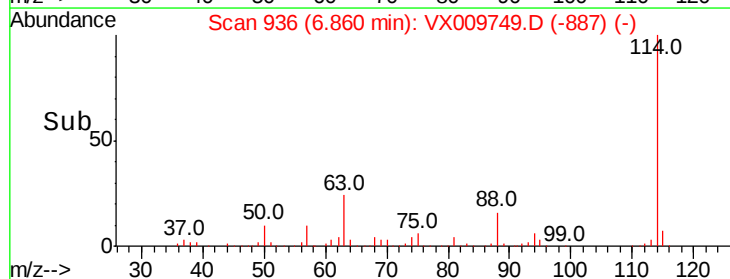
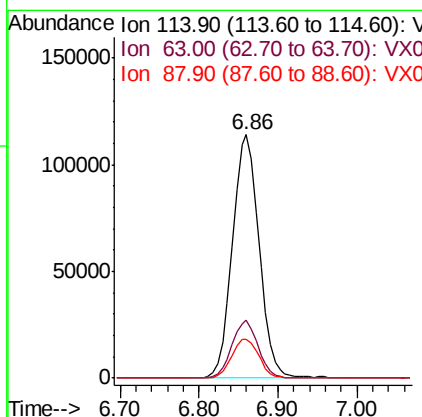
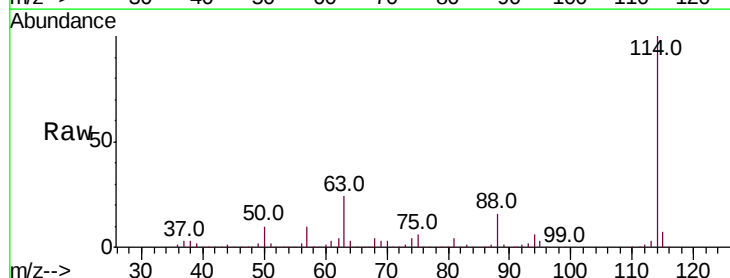
Manual Integrations
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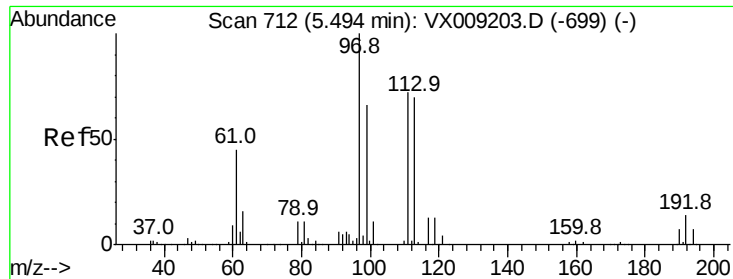
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009749.D
 Acq: 21 May 2019 15:47

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.8	0.0	45.6
88	15.9	0.0	33.2





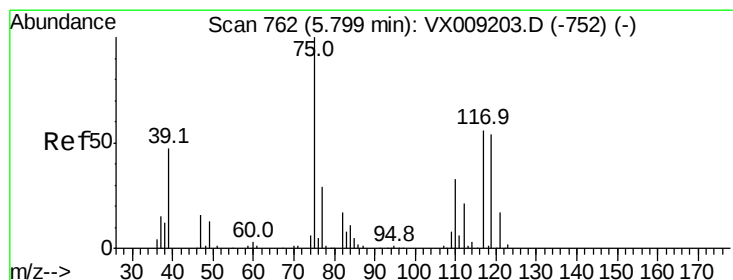
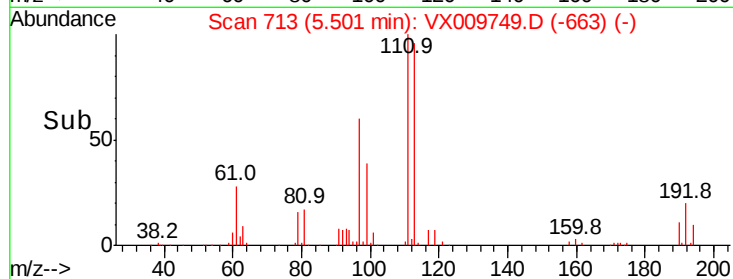
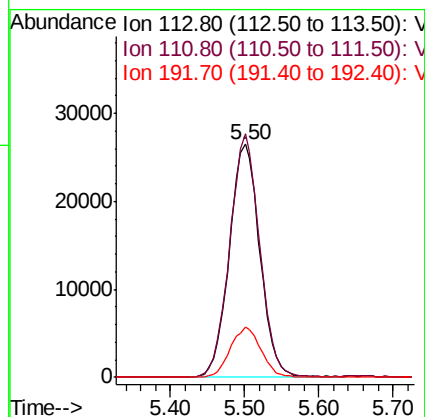
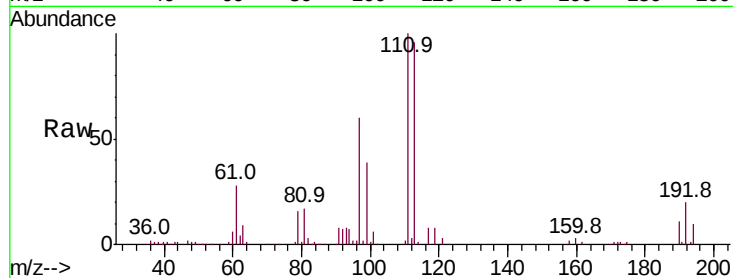
#35
Dibromofluoromethane
Concen: 45.048 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS02

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.8	124.2
192	21.5	17.0	25.6

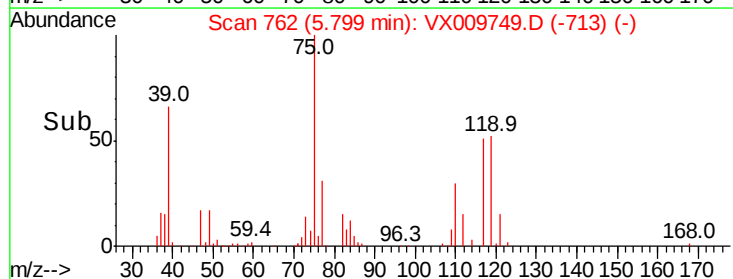
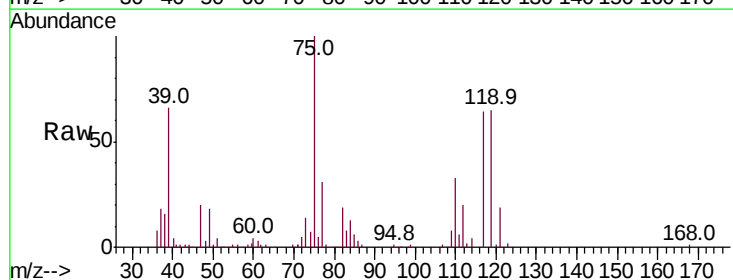
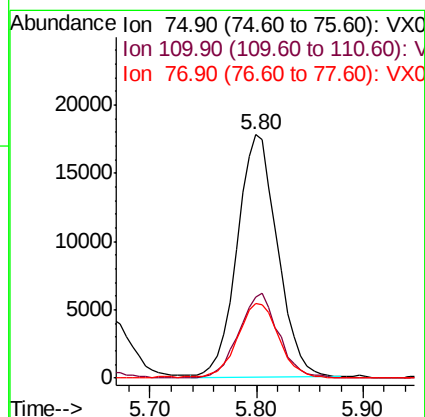
Manual Integrations
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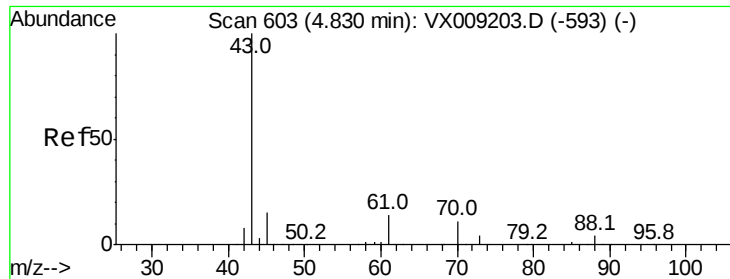
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#36
1,1-Dichloropropene
Concen: 18.878 ug/l
RT: 5.80 min Scan# 762
Delta R.T. -0.00 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.5	16.9	50.6
77	31.9	24.8	37.2





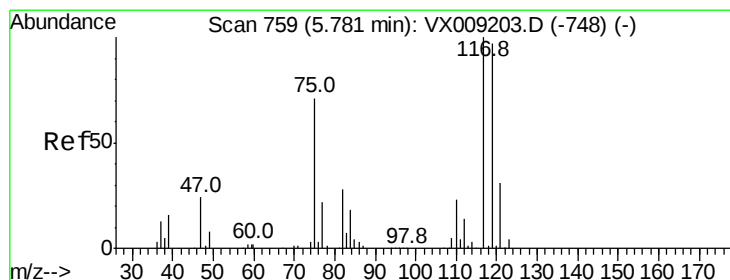
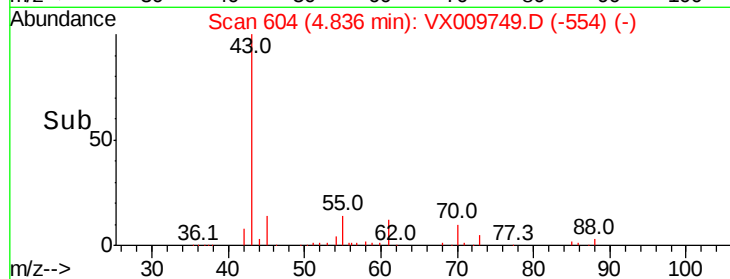
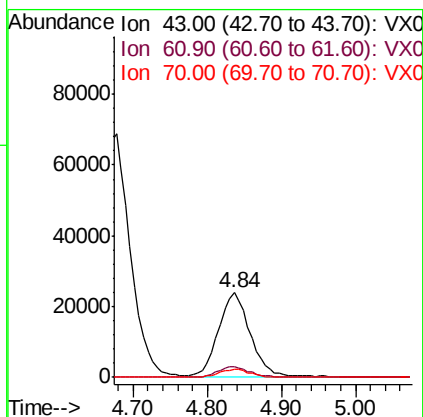
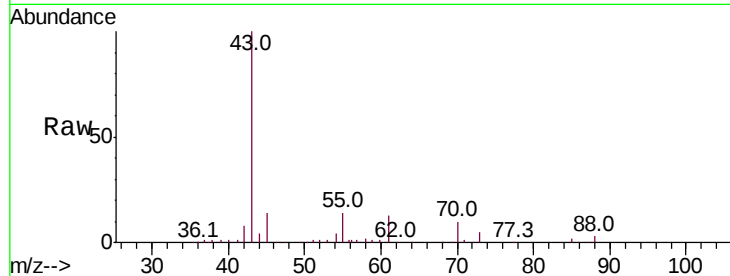
#37
Ethyl Acetate
Concen: 20.179 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.5	15.7
70	9.9	7.9	11.9

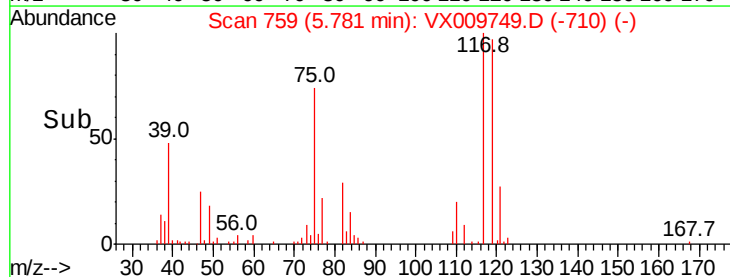
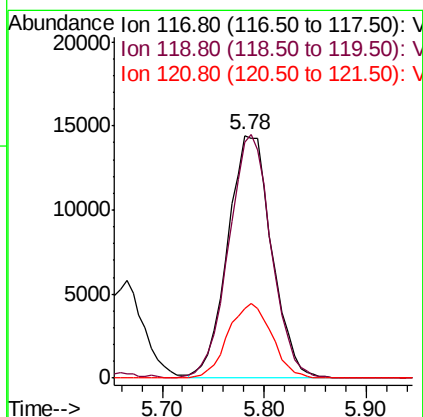
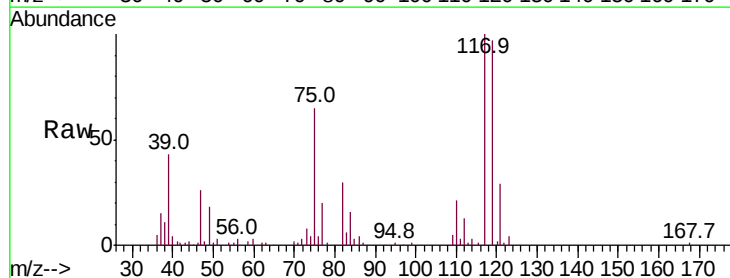
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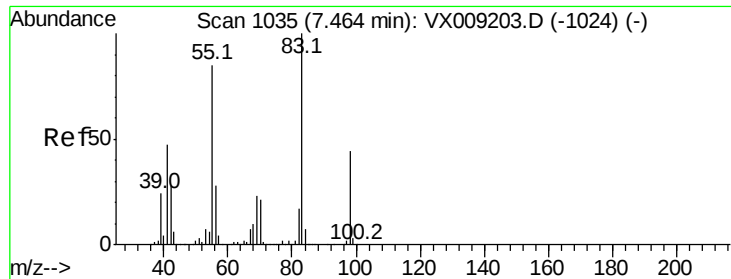
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#38
Carbon Tetrachloride
Concen: 18.992 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	77.5	116.3
121	28.7	24.7	37.1





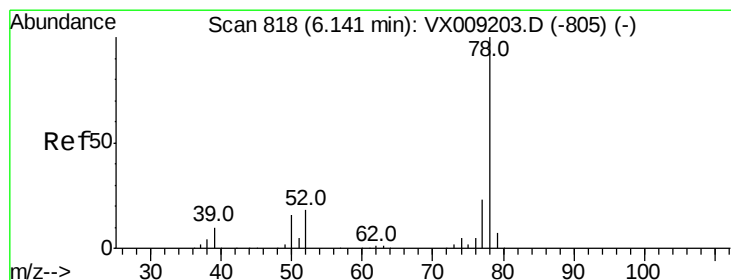
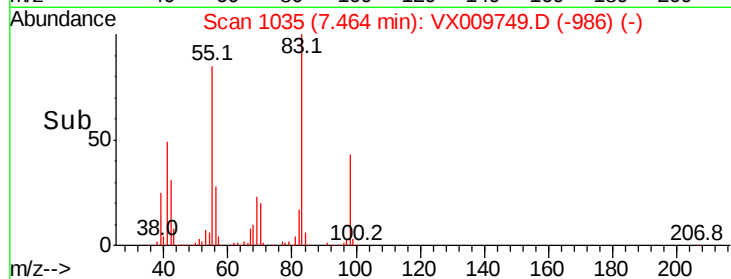
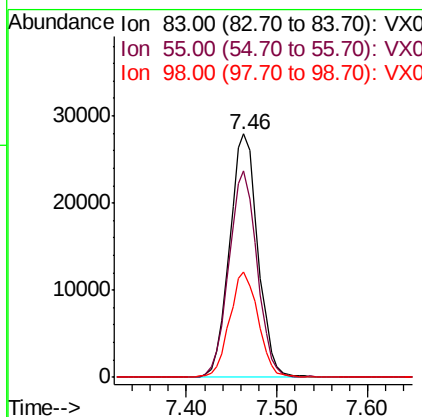
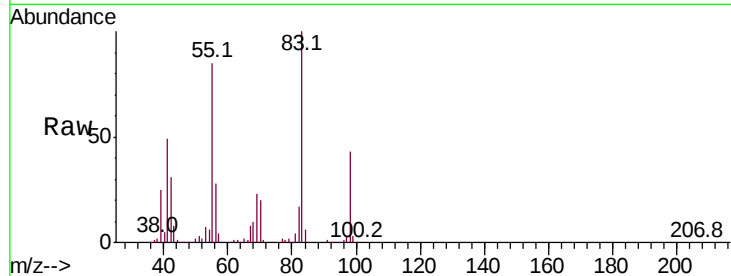
#39
Methvlcvclohexane
Concen: 19.667 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.9	67.7	101.5
98	43.1	35.5	53.3

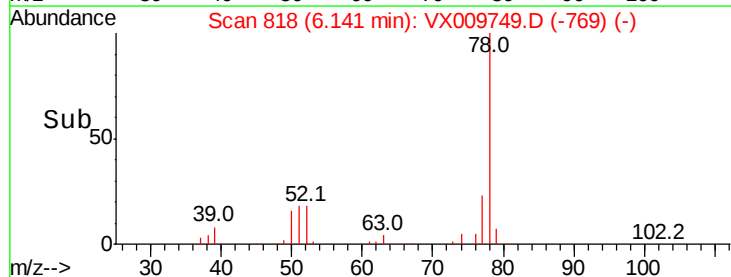
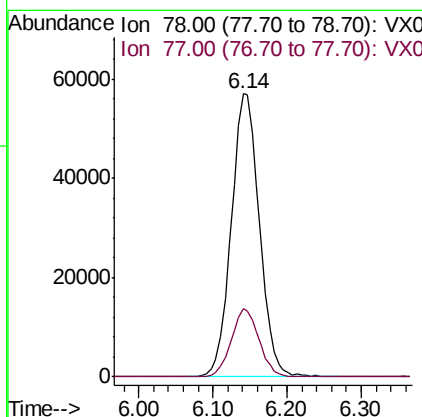
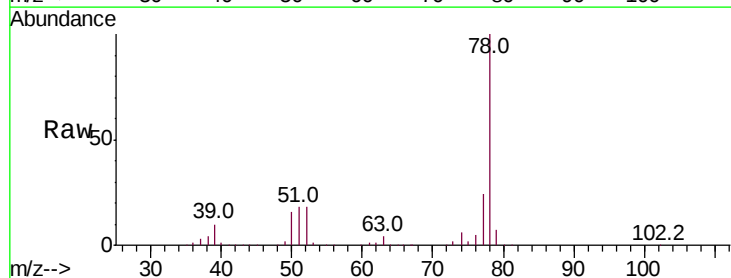
Manual Integrations
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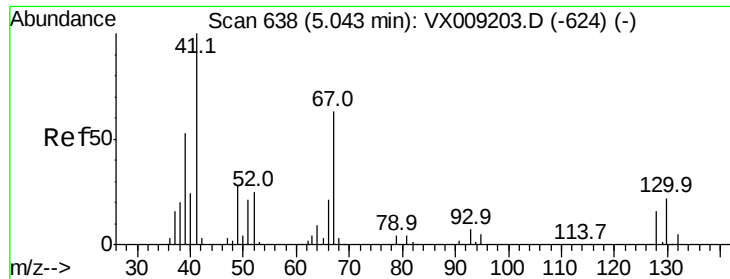
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#40
Benzene
Concen: 19.521 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2





#41

Methacrylonitrile

Concen: 19.000 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

Instrument :

MSVOA_X

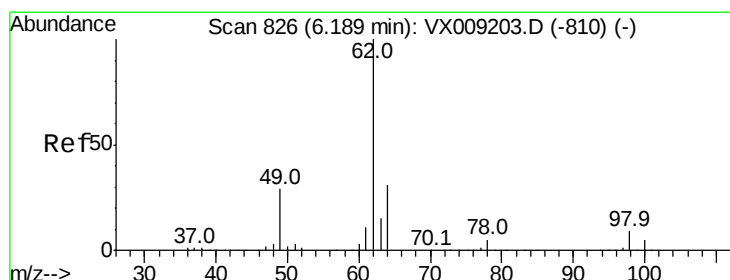
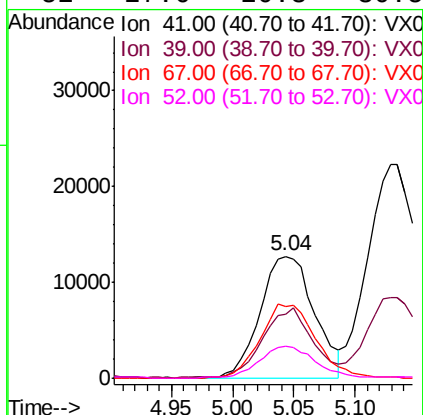
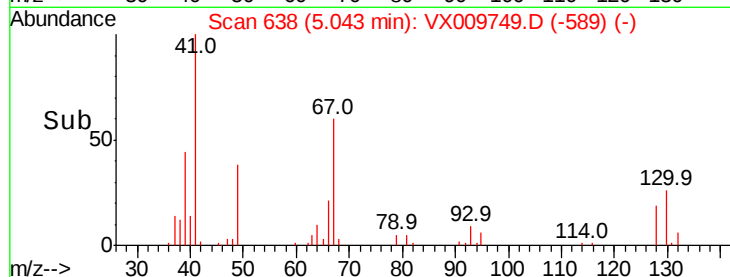
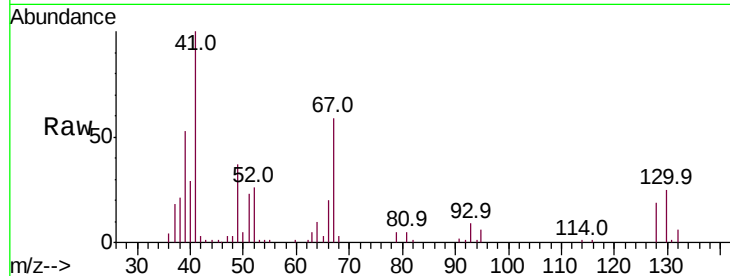
ClientSampleId :

VX0521WBS02

Tot Ion	Ion	Ratio	Lower	Upper
39375	41	100		
	39	53.8	42.0	63.0
	67	62.1	49.8	74.8
	52	27.6	20.3	30.5

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 19.798 ug/l

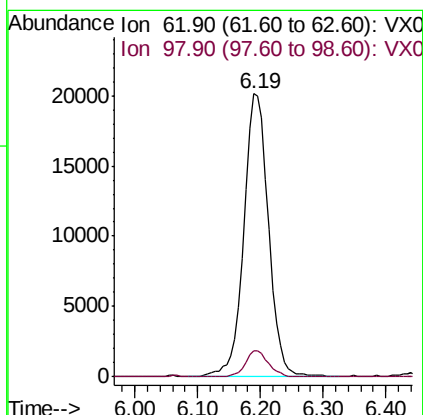
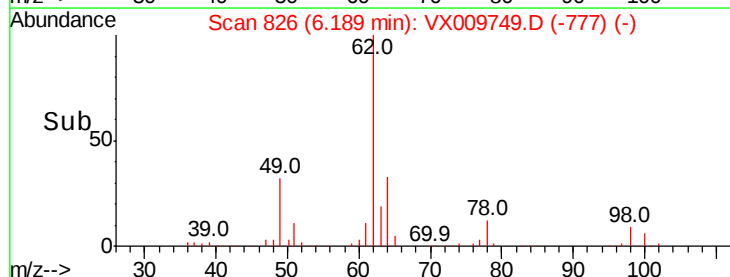
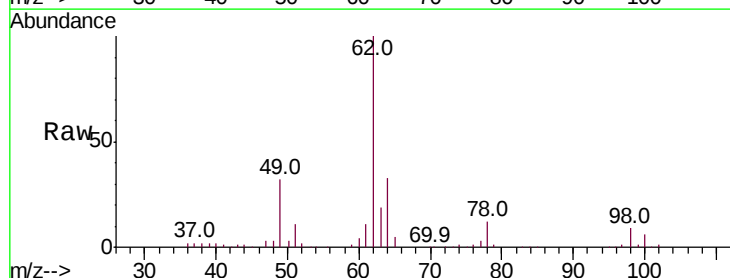
RT: 6.19 min Scan# 826

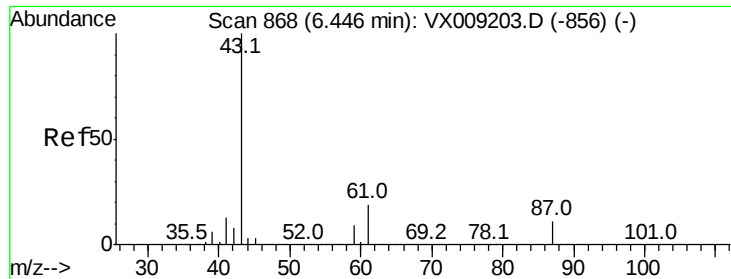
Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

Tgt Ion	Ion	Ratio	Lower	Upper
54921	62	100		
	98	8.7	0.0	18.2





#43

Isopropyl Acetate

Concen: 19.660 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

Instrument :

MSVOA_X

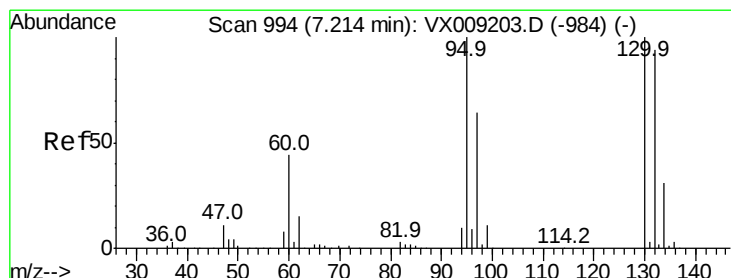
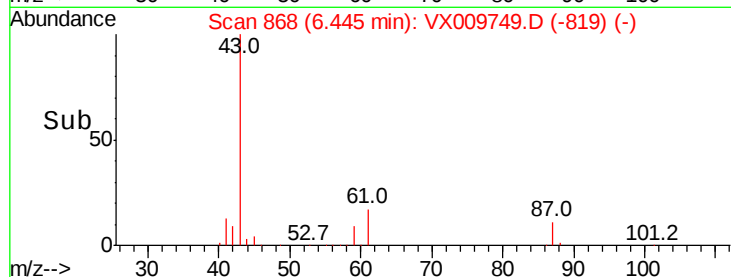
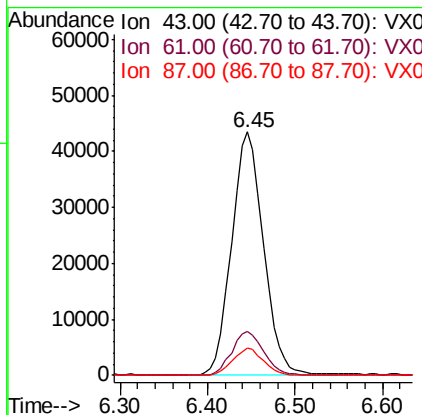
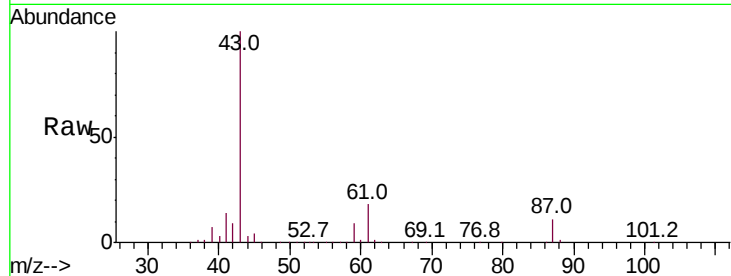
ClientSampleId :

VX0521WBS02

Tot Ion:	43	Resp:	109482
Ion	Ratio	Lower	Upper
43	100		
61	18.3	15.1	22.7
87	10.9	9.0	13.6

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#44

Trichloroethene

Concen: 18.601 ug/l

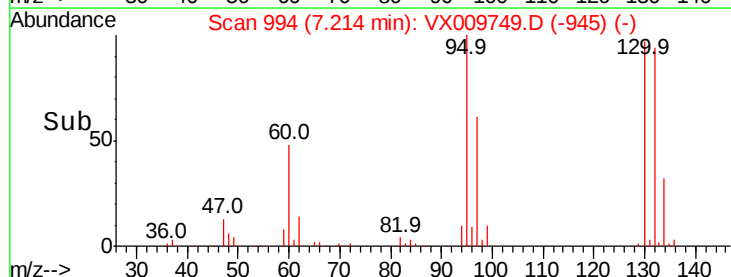
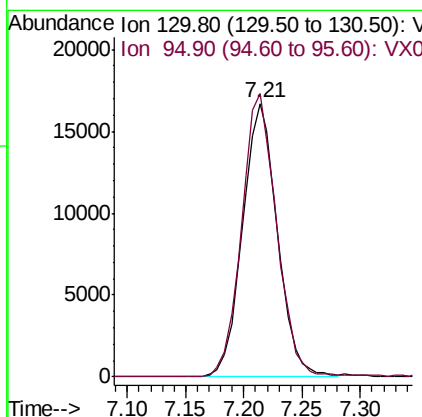
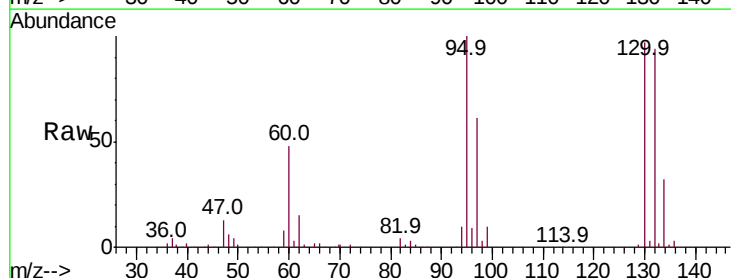
RT: 7.21 min Scan# 994

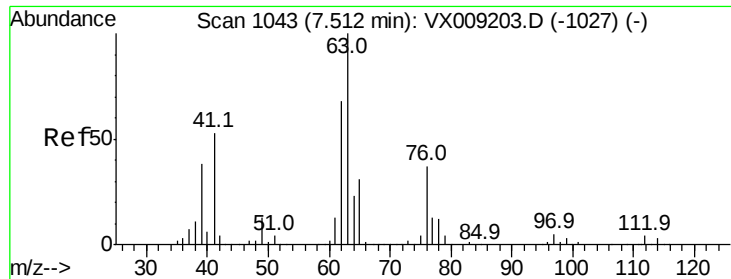
Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

Tgt Ion:	130	Resp:	34774
Ion	Ratio	Lower	Upper
130	100		
95	103.5	0.0	199.2





#45

1,2-Dichloropropane

Concen: 19.455 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS02

Tot Ion: 63 Resp: 42600

Ion Ratio Lower Upper

63 100

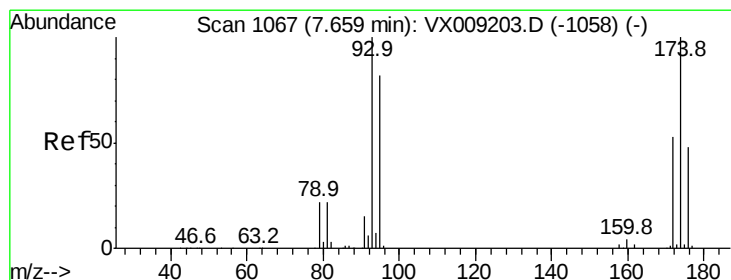
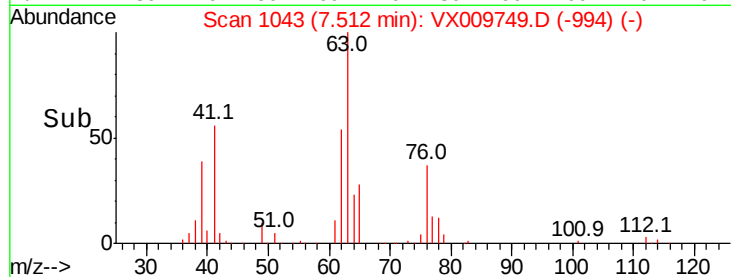
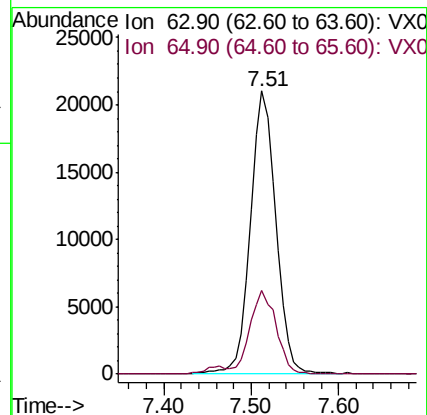
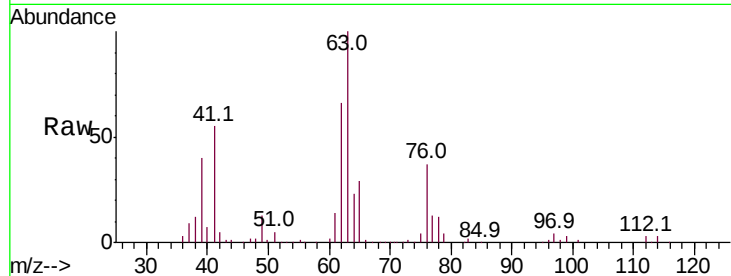
65 29.4 25.0 37.6

Manual Integrations

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MMDadoda

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#46

Dibromomethane

Concen: 19.058 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

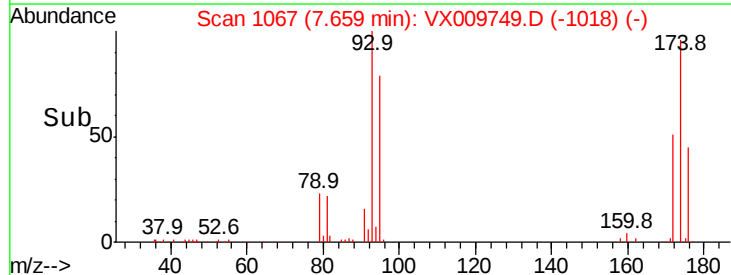
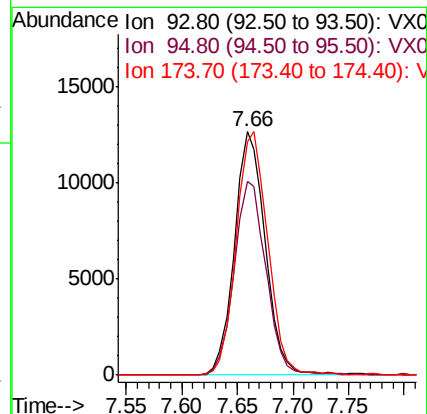
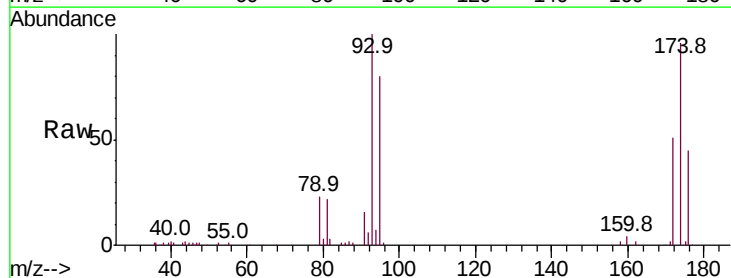
Tgt Ion: 93 Resp: 24234

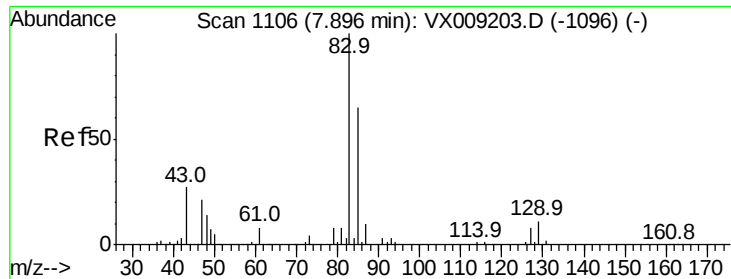
Ion Ratio Lower Upper

93 100

95 82.0 66.5 99.7

174 102.6 82.1 123.1





#47

Bromodichloromethane

Concen: 18.910 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

Instrument :

MSVOA_X

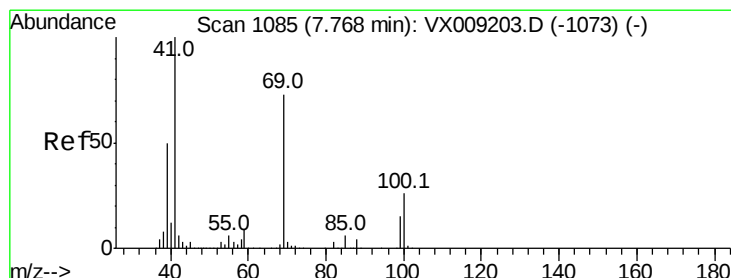
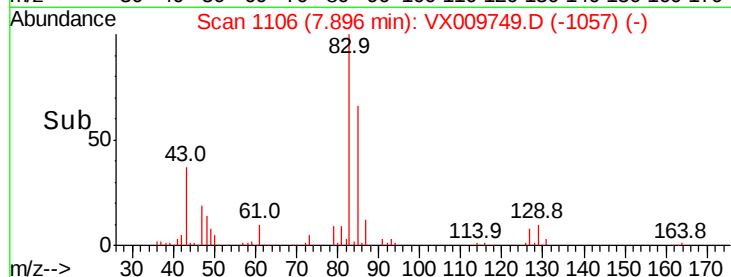
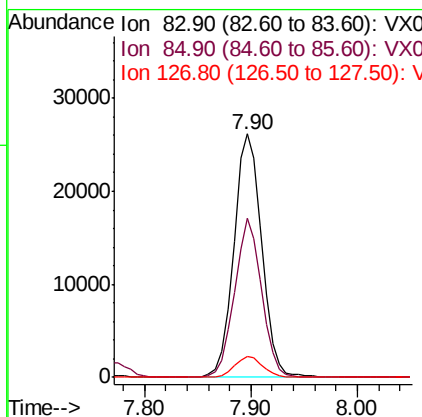
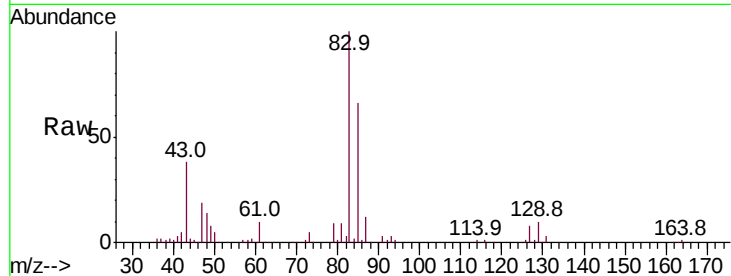
ClientSampleId :

VX0521WBS02

Tot Ion:	83	Resp:	47964
Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.4	78.6
127	8.4	6.6	10.0

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5/22/2019 9:40:44 AM



#48

Methyl methacrylate

Concen: 19.702 ug/l

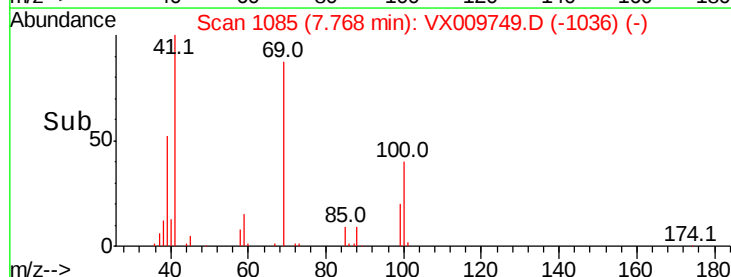
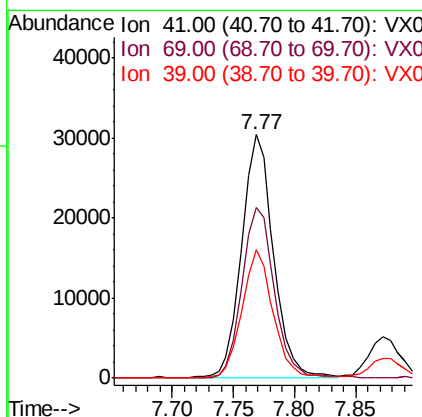
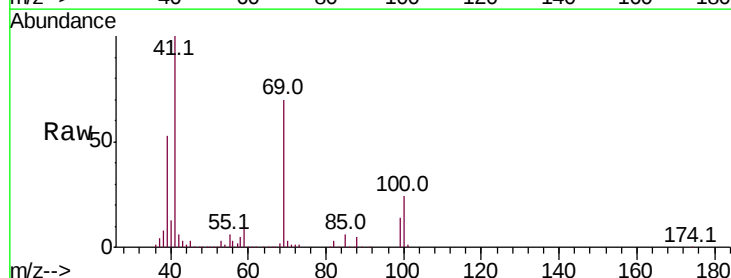
RT: 7.77 min Scan# 1085

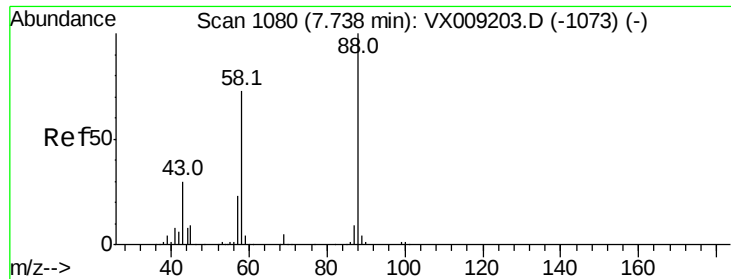
Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

Tgt Ion:	41	Resp:	54433
Ion	Ratio	Lower	Upper
41	100		
69	72.7	59.1	88.7
39	51.6	40.4	60.6





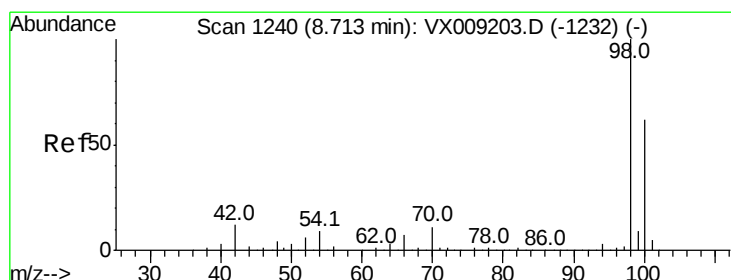
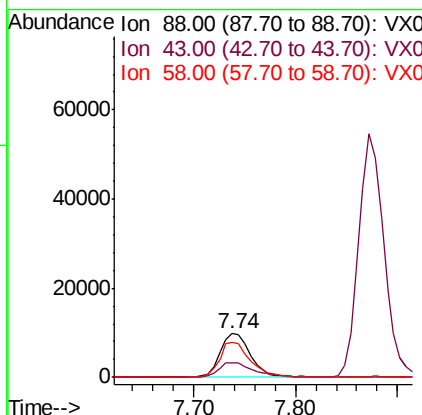
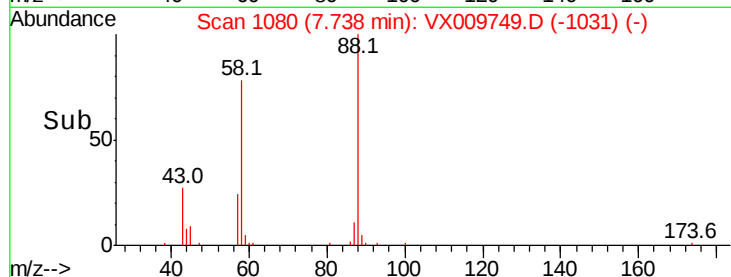
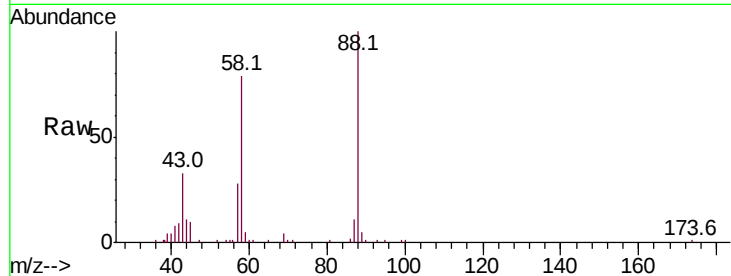
#49
1,4-Dioxane
Concen: 368.233 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.0	28.6	42.8
58	81.0	61.7	92.5

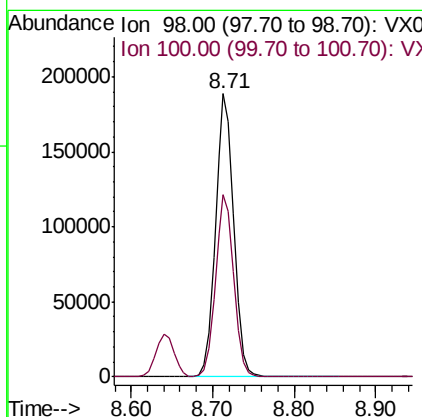
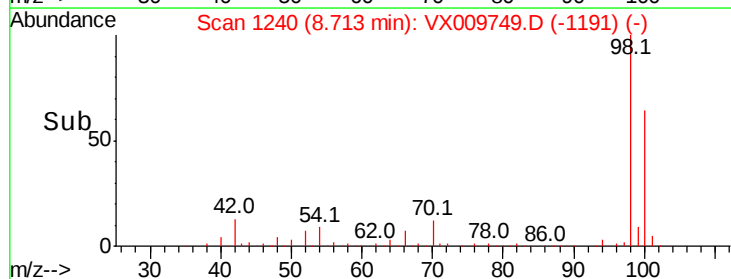
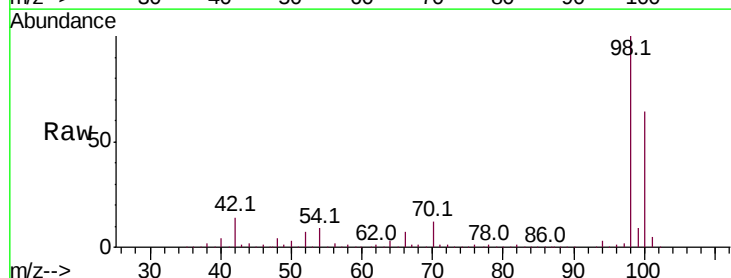
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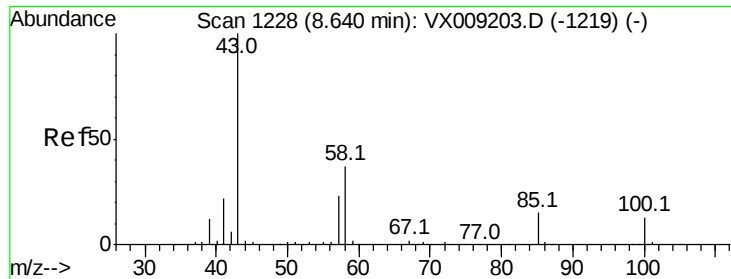
MMDadoda
5/22/2019 9:40:44 AM



#50
Toluene-d8
Concen: 43.487 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 100.871 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS02

Tot Ion: 43 Resp: 367160

Ion Ratio Lower Upper

43 100

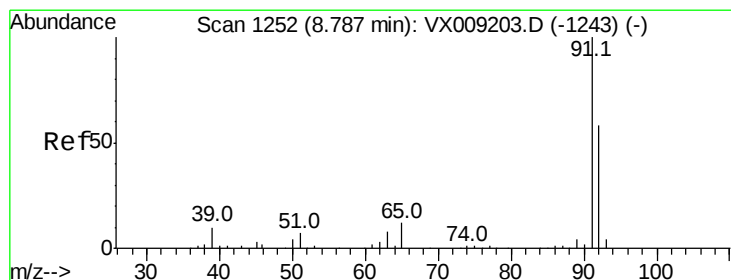
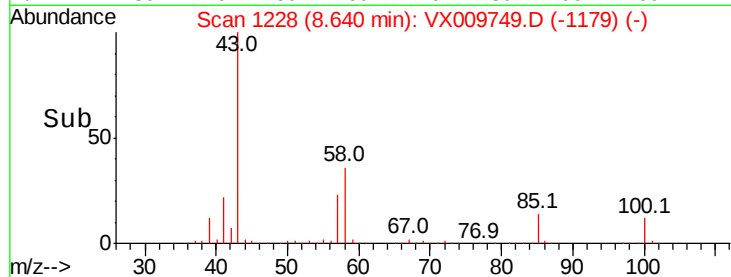
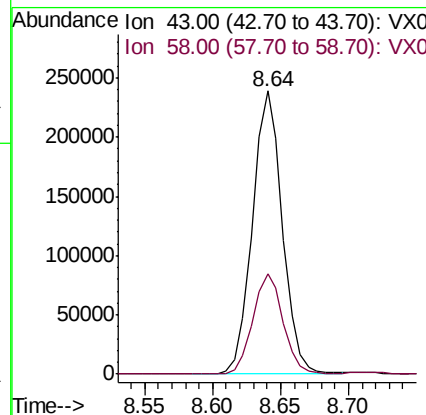
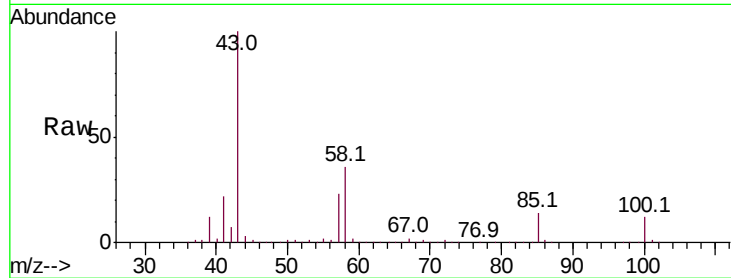
58 36.0 29.5 44.3

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#52

Toluene

Concen: 19.615 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX009749.D

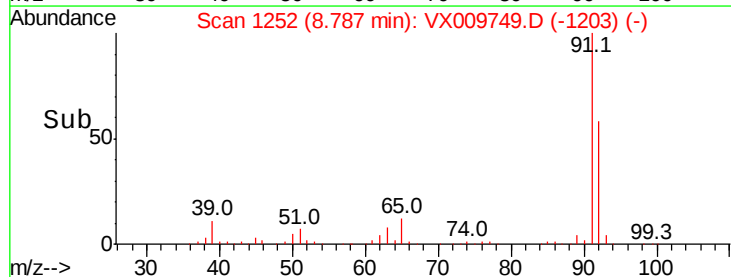
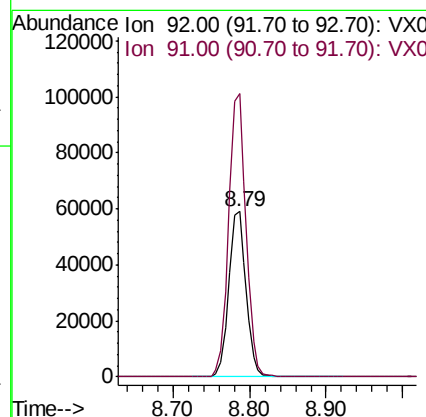
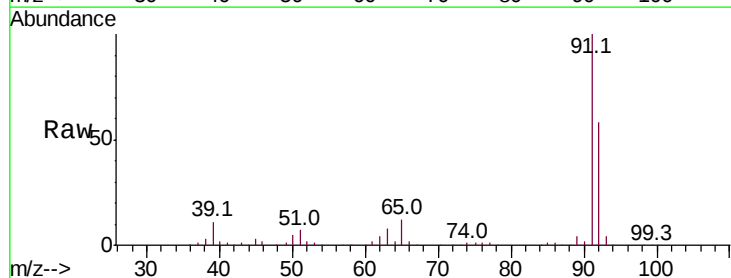
Acq: 21 May 2019 15:47

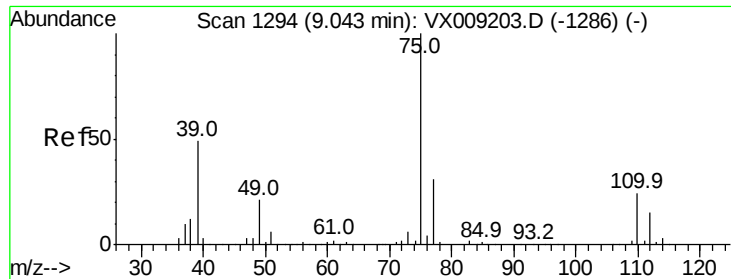
Tgt Ion: 92 Resp: 92205

Ion Ratio Lower Upper

92 100

91 171.9 138.8 208.2





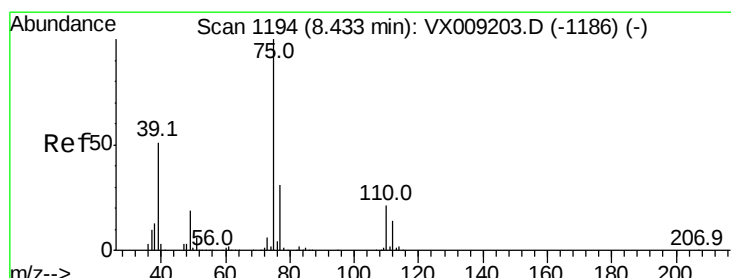
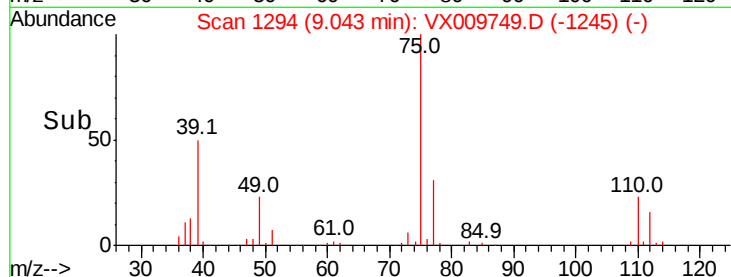
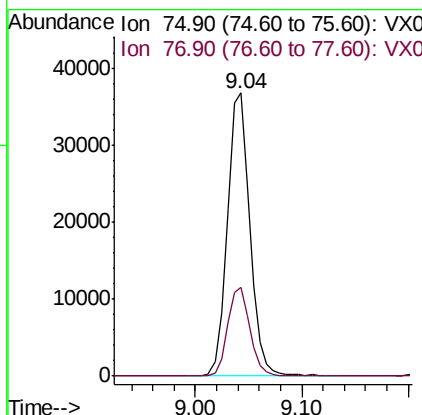
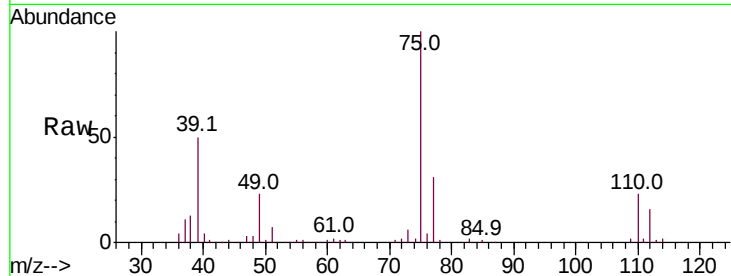
#53
t-1,3-Dichloropropene
Concen: 19.070 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS02

Tot Ion: 75 Resp: 54611
Ion Ratio Lower Upper
75 100
77 31.3 25.0 37.6

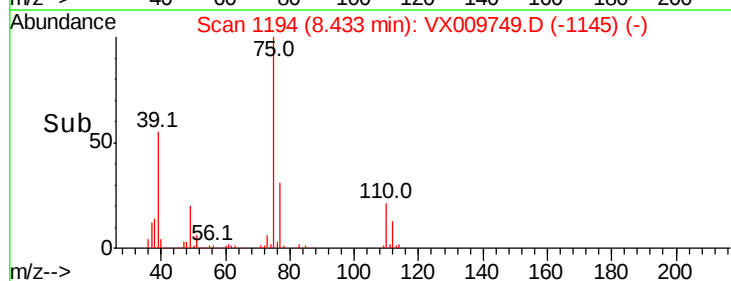
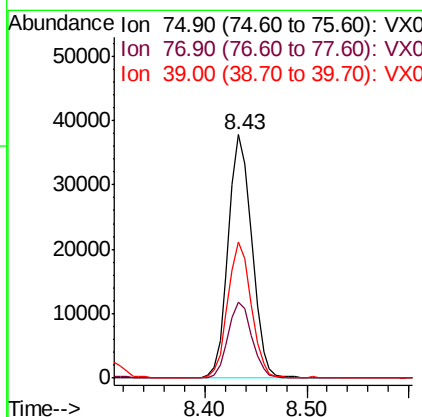
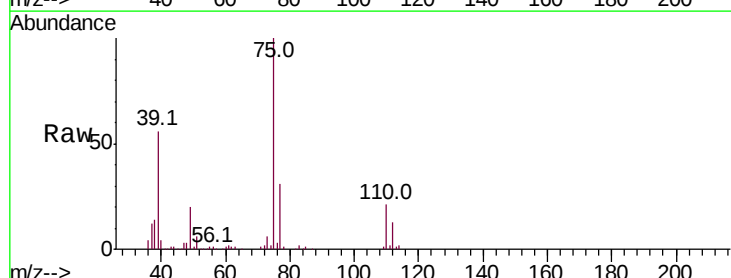
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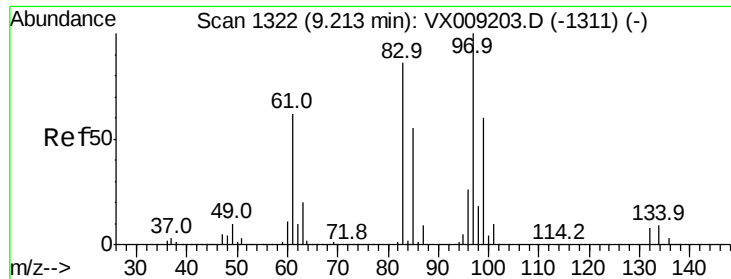
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 19.086 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

Tgt Ion: 75 Resp: 60498
Ion Ratio Lower Upper
75 100
77 31.1 24.6 36.8
39 55.6 40.6 60.8





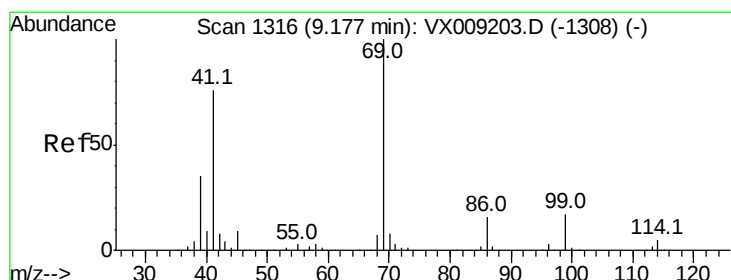
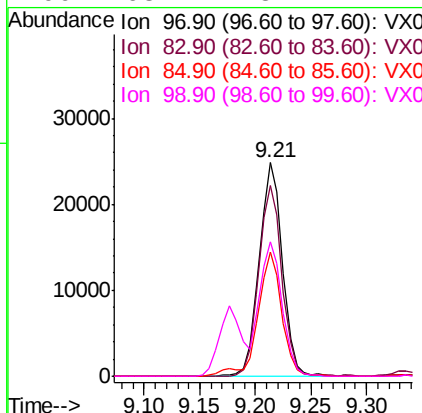
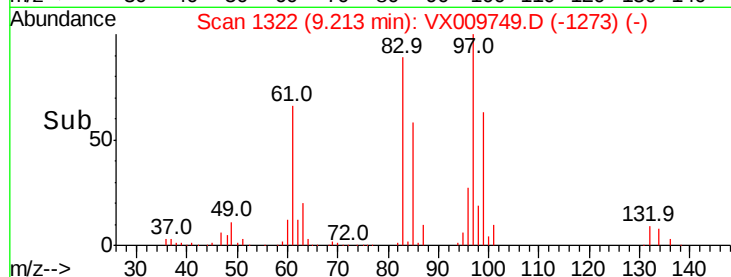
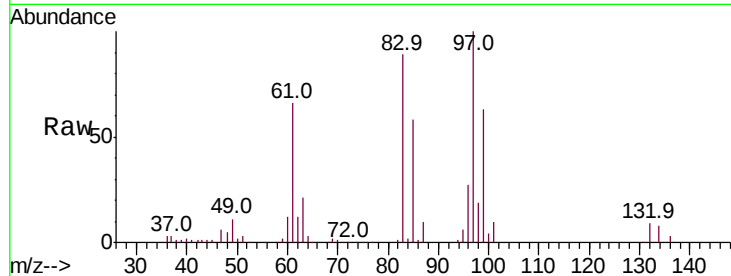
#55
 1,1,2-Trichloroethane
 Concen: 18.997 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009749.D
 Acq: 21 May 2019 15:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0521WBS02

Tot Ion:	97	Resp:	36432
Ion	Ratio	Lower	Upper
97	100		
83	89.3	68.9	103.3
85	58.4	43.8	65.6
99	63.2	48.2	72.2

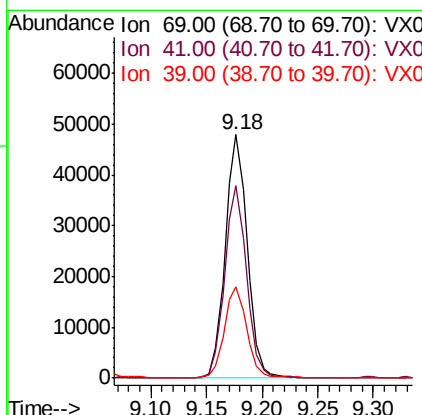
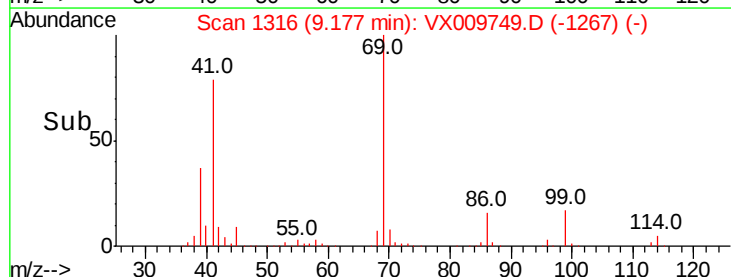
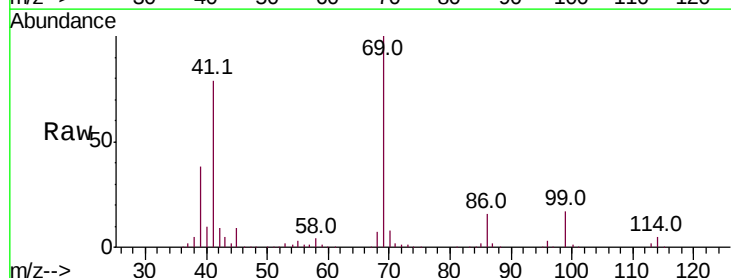
Manual Integrations
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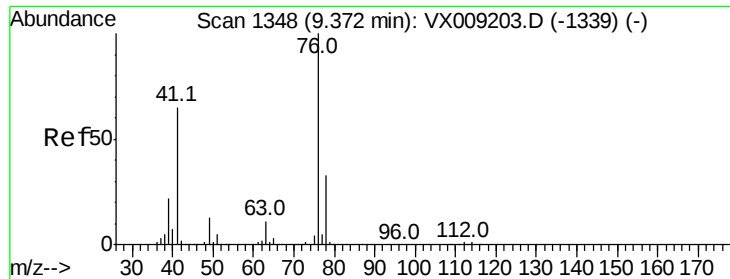
MMDadoda
 5/22/2019 9:40:44 AM



#56
 Ethyl methacrylate
 Concen: 19.167 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX009749.D
 Acq: 21 May 2019 15:47

Tgt Ion:	69	Resp:	65616
Ion	Ratio	Lower	Upper
69	100		
41	77.7	60.6	90.8
39	37.2	28.2	42.4





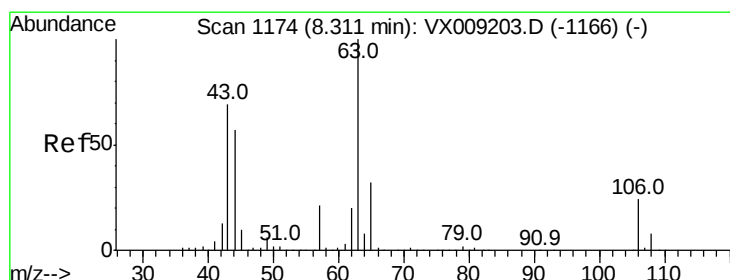
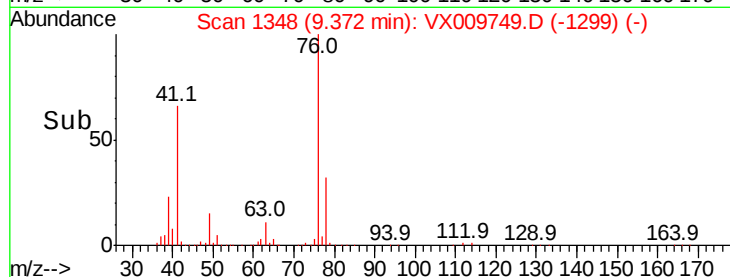
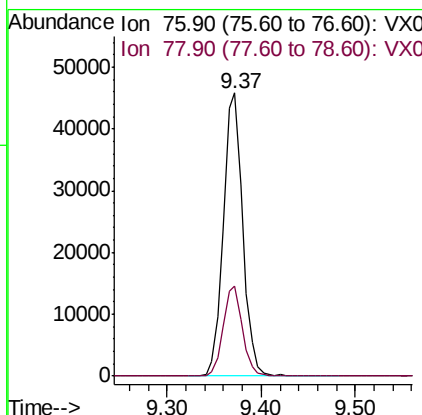
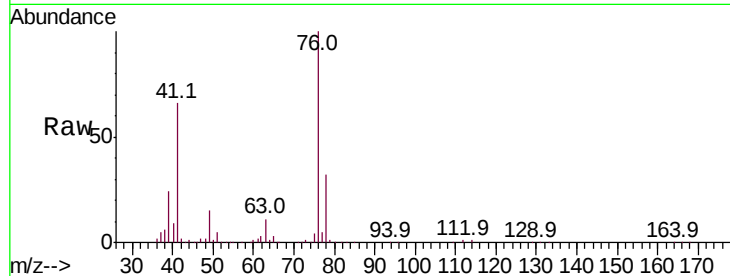
#57
 1,3-Dichloropropane
 Concen: 19.293 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX009749.D
 Acq: 21 May 2019 15:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0521WBS02

Tot Ion: 76 Resp: 65111
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.5 38.3

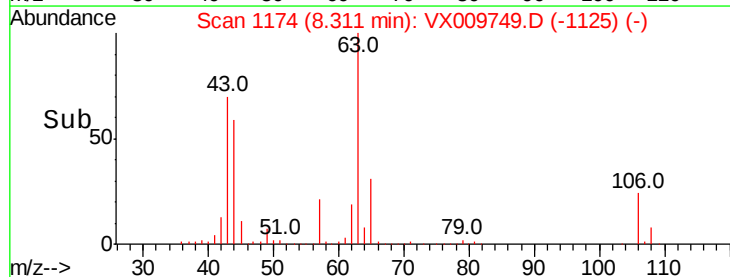
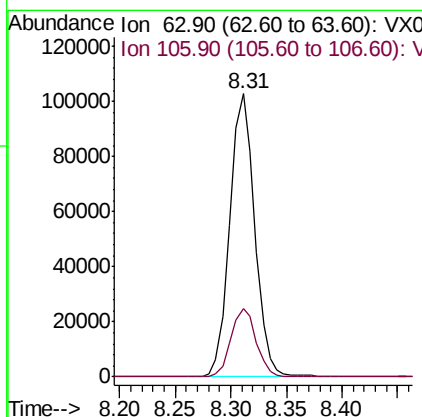
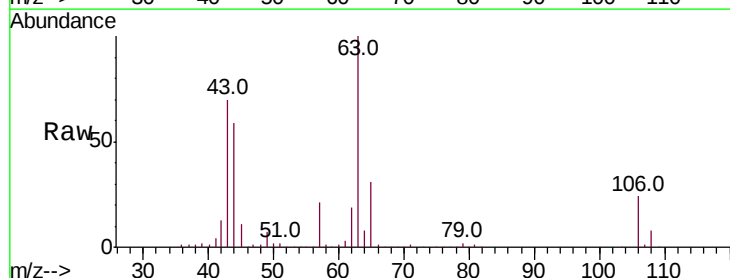
Manual Integrations
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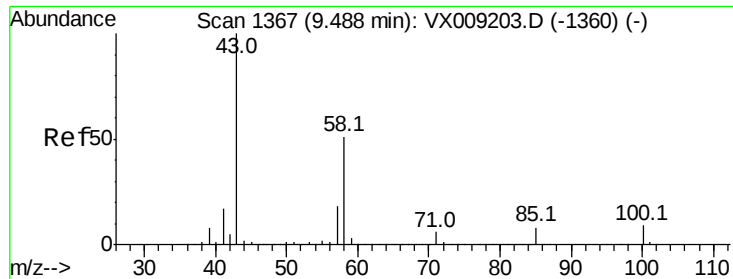
MMDadoda
 5/22/2019 9:40:44 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 87.869 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX009749.D
 Acq: 21 May 2019 15:47

Tgt Ion: 63 Resp: 159577
 Ion Ratio Lower Upper
 63 100
 106 24.5 19.7 29.5





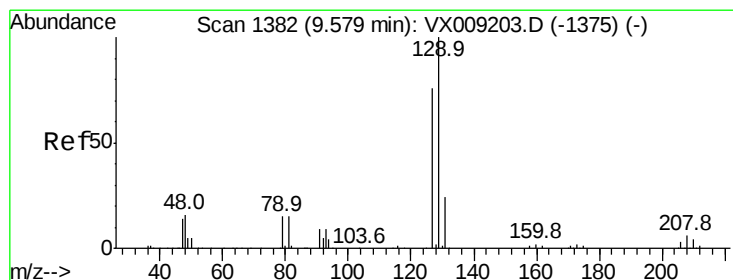
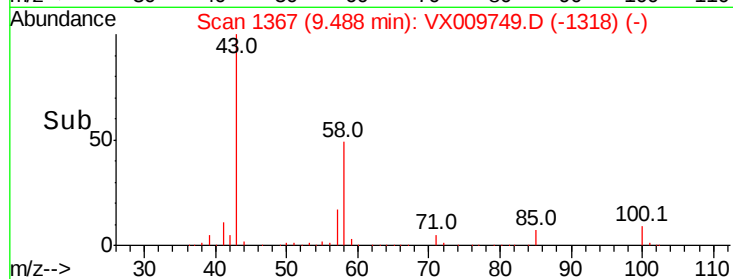
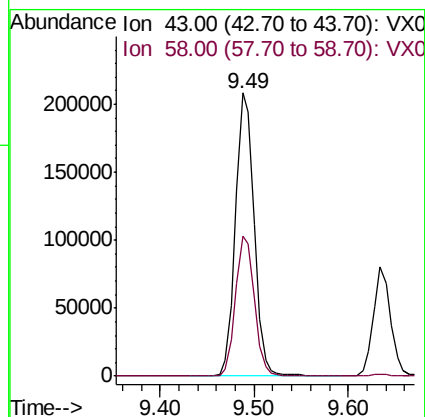
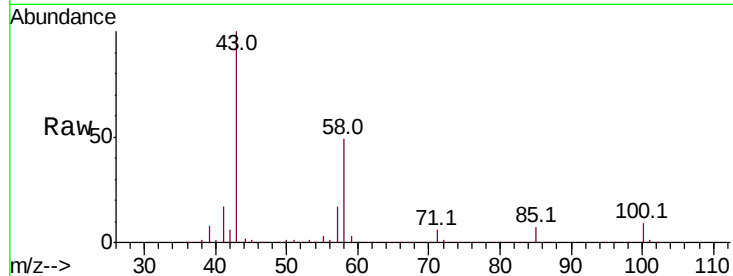
#59
2-Hexanone
Concen: 100.266 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS02

Tot Ion: 43 Resp: 286632
Ion Ratio Lower Upper
43 100
58 50.4 25.9 77.7

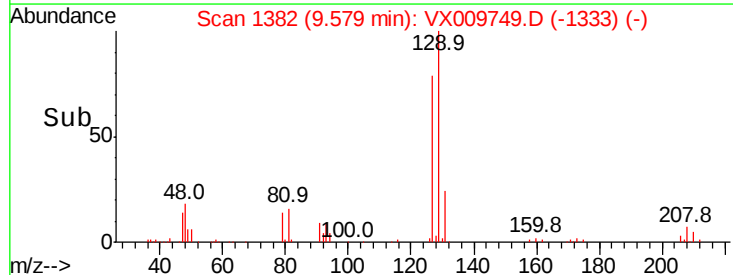
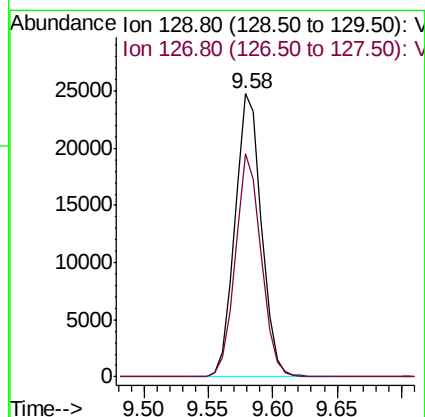
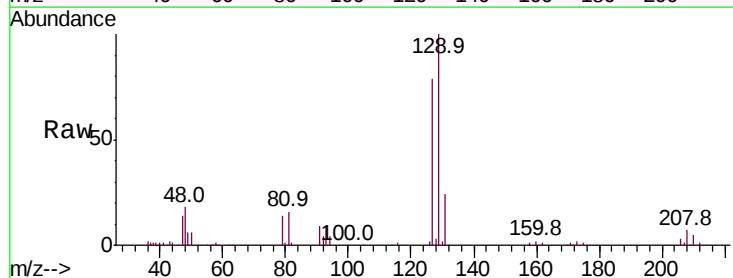
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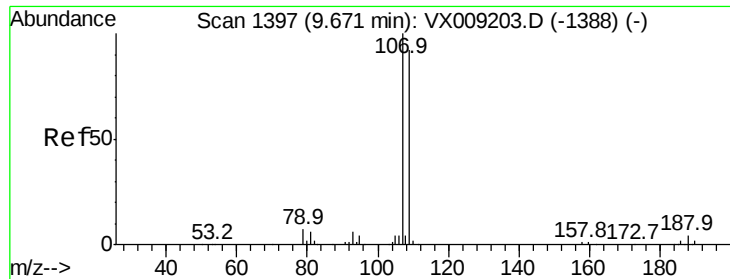
MMDadoda
5/22/2019 9:40:44 AM



#60
Dibromochloromethane
Concen: 18.990 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

Tgt Ion: 129 Resp: 35569
Ion Ratio Lower Upper
129 100
127 76.6 38.4 115.1





#61

1,2-Dibromoethane

Concen: 19.001 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS02

Tot Ion:107 Resp: 36783

Ion Ratio Lower Upper

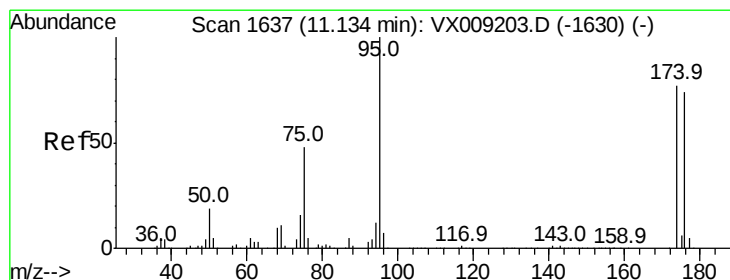
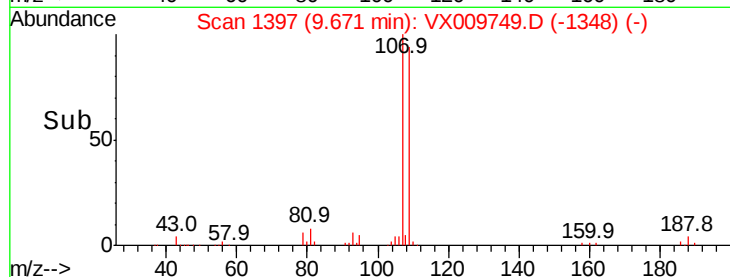
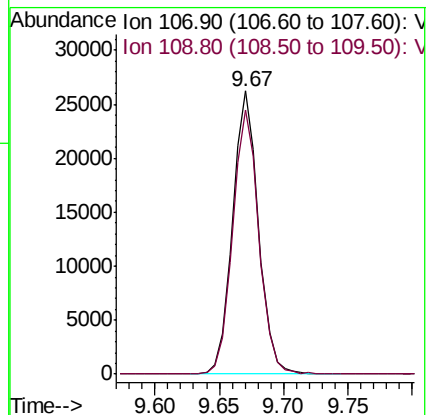
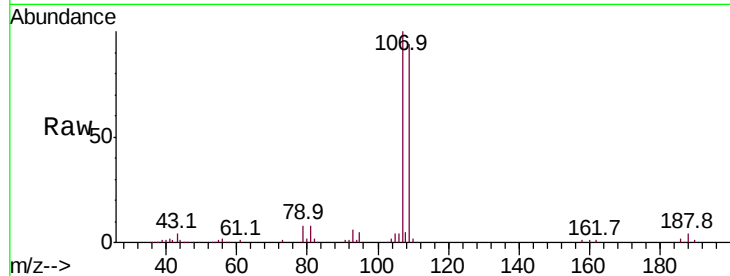
107 100

109 94.8 75.2 112.8

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#62

4-Bromofluorobenzene

Concen: 43.806 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

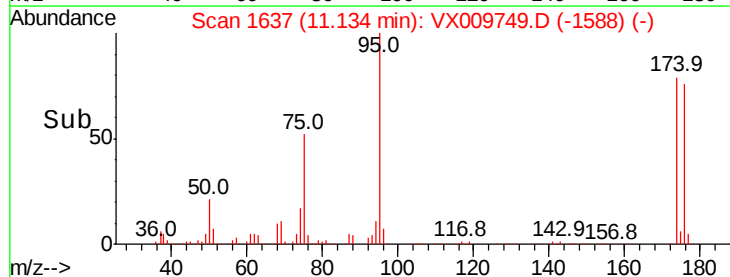
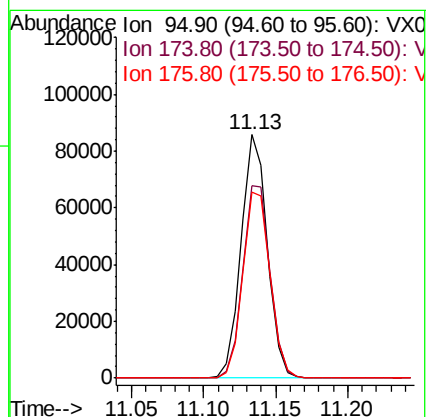
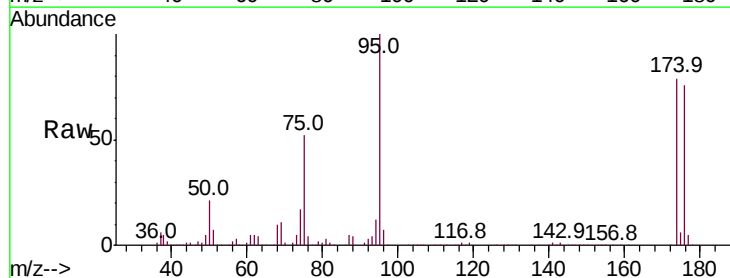
Tgt Ion: 95 Resp: 108622

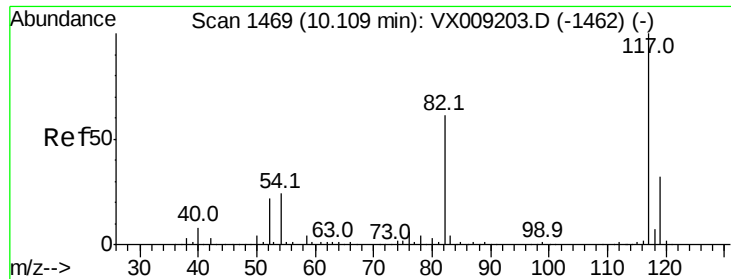
Ion Ratio Lower Upper

95 100

174 82.2 0.0 161.6

176 79.4 0.0 159.2





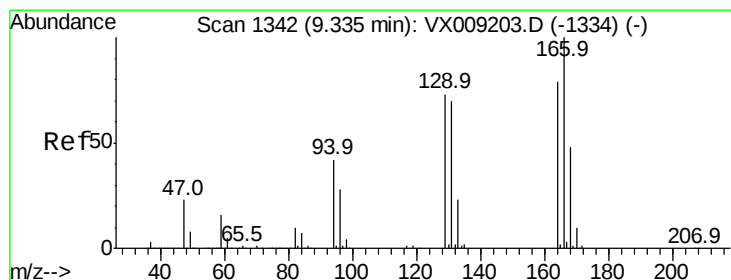
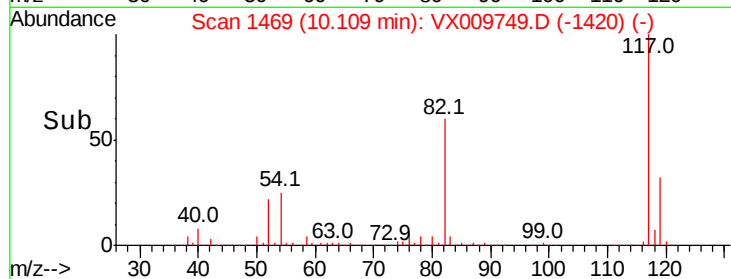
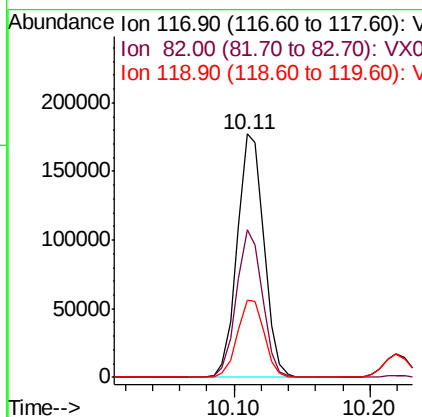
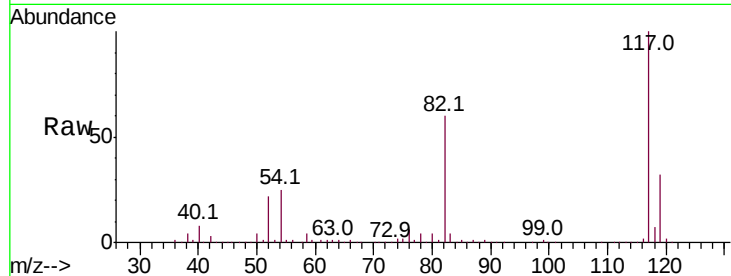
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.4	48.8	73.2
119	31.8	25.8	38.6

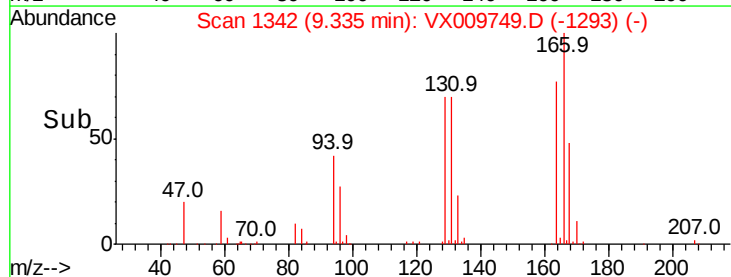
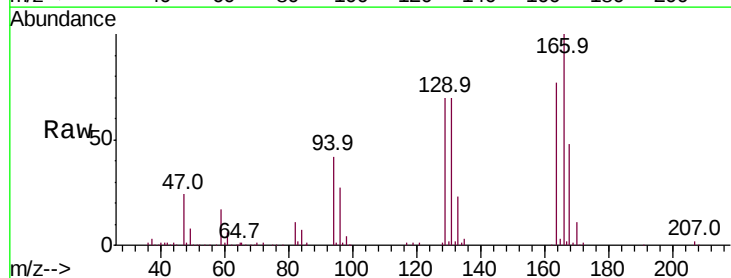
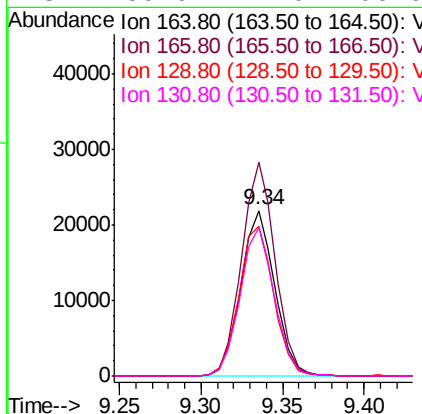
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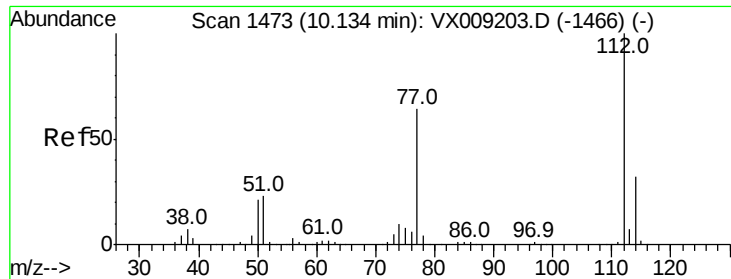
MMDadoda
5/22/2019 9:40:44 AM



#64
Tetrachloroethene
Concen: 19.146 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.3	101.2	151.8
129	90.9	74.3	111.5
131	89.9	71.0	106.6





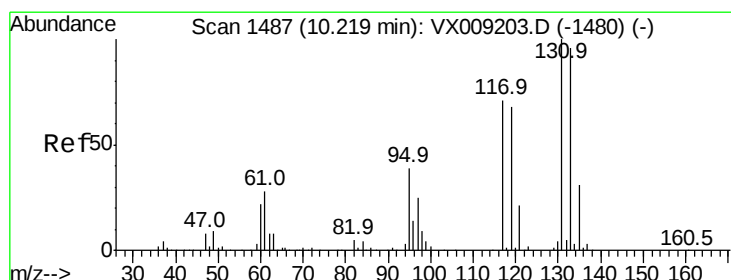
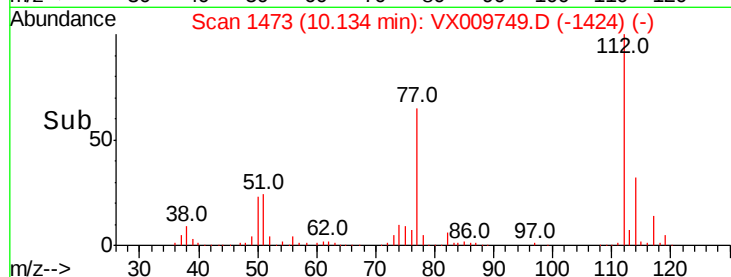
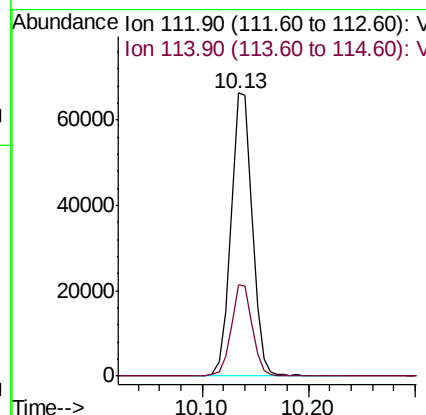
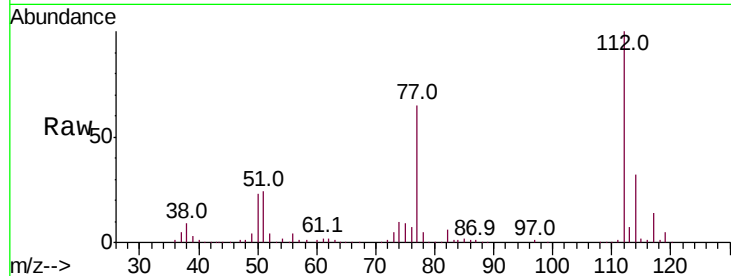
#65
Chlorobenzene
Concen: 19.336 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS02

Tot Ion:112 Resp: 93432
Ion Ratio Lower Upper
112 100
114 32.4 25.5 38.3

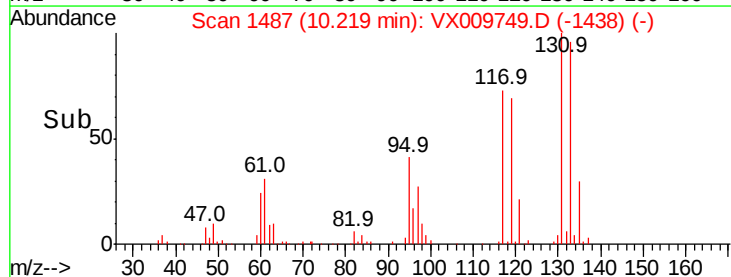
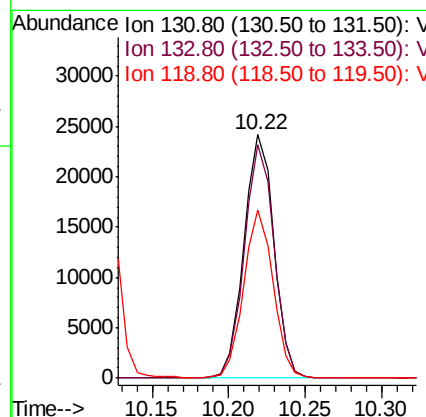
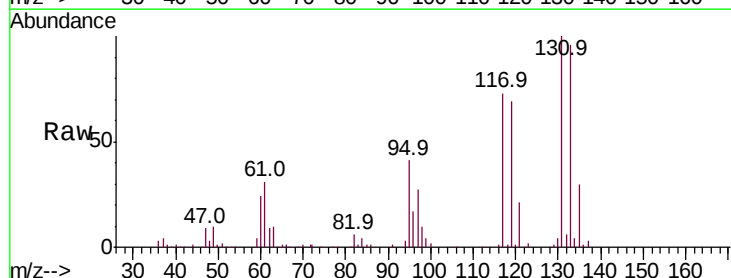
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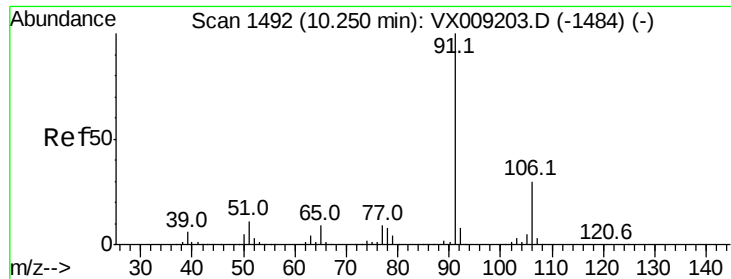
MMDadoda
5/22/2019 9:40:44 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.735 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

Tgt Ion:131 Resp: 32820
Ion Ratio Lower Upper
131 100
133 95.4 47.7 143.1
119 68.3 33.5 100.4





#67

Ethyl Benzene

Concen: 19.289 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS02

Tot Ion: 91 Resp: 171527

Ion Ratio Lower Upper

91 100

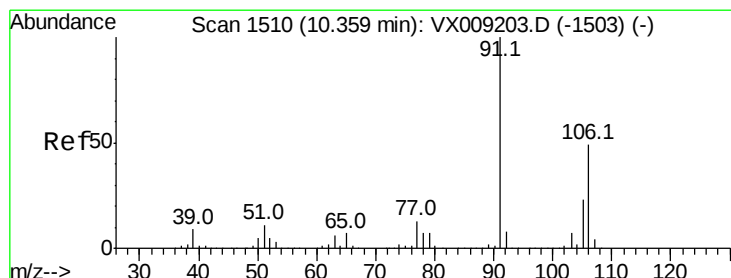
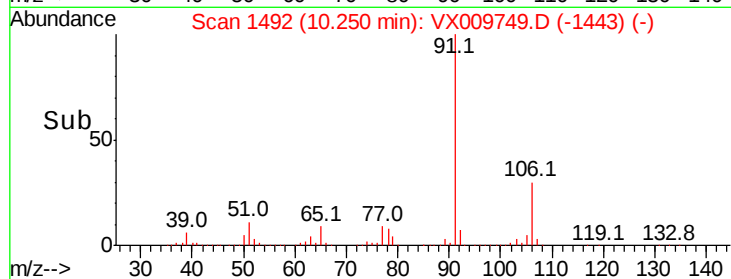
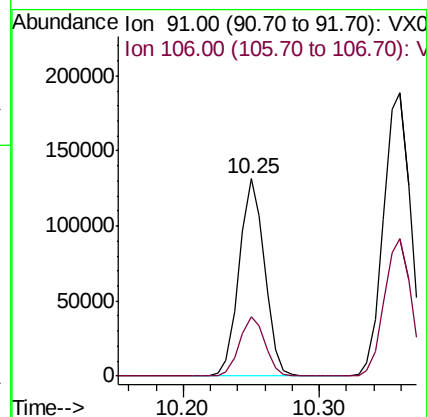
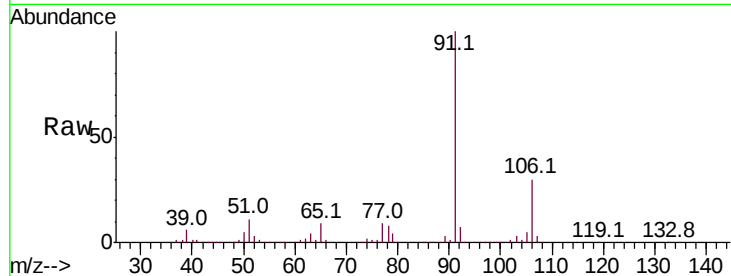
106 30.1 24.0 36.0

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#68

m/p-Xylenes

Concen: 38.739 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009749.D

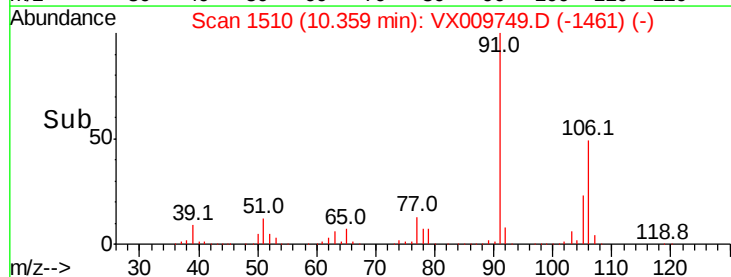
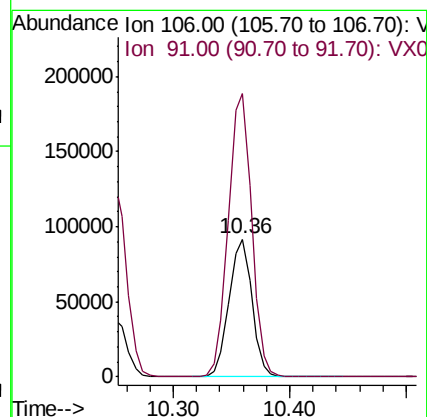
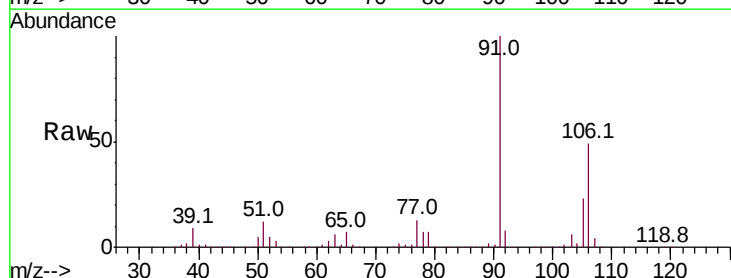
Acq: 21 May 2019 15:47

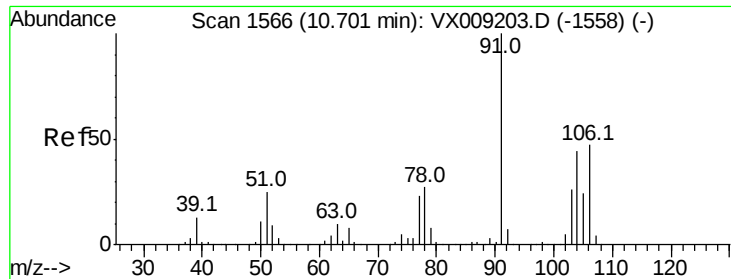
Tgt Ion: 106 Resp: 125888

Ion Ratio Lower Upper

106 100

91 208.3 164.0 246.0





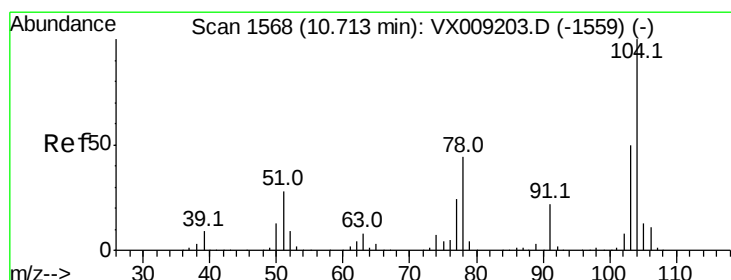
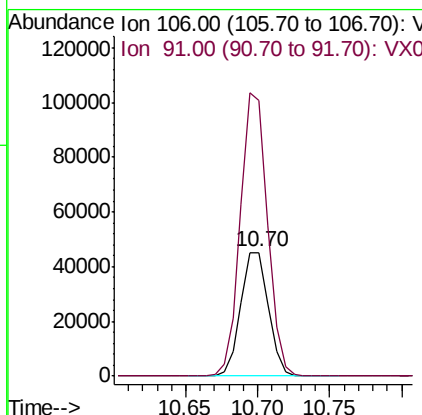
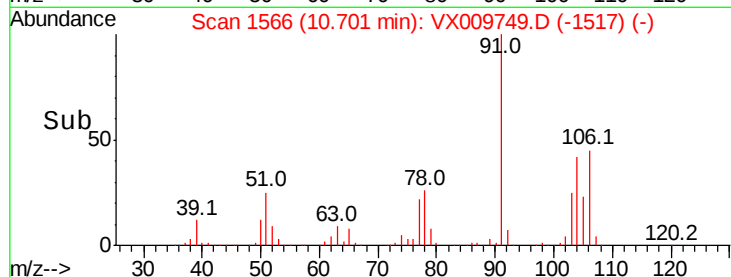
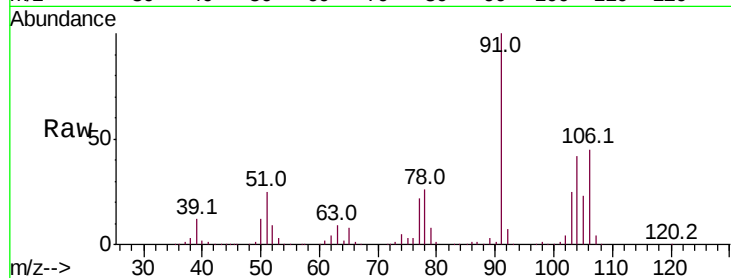
#69
o-Xylene
Concen: 18.909 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS02

Tot Ion:106 Resp: 60628
Ion Ratio Lower Upper
106 100
91 224.6 109.5 328.4

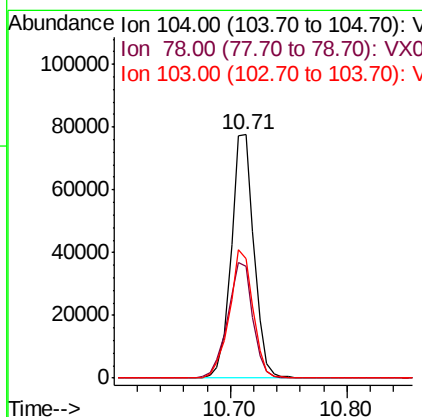
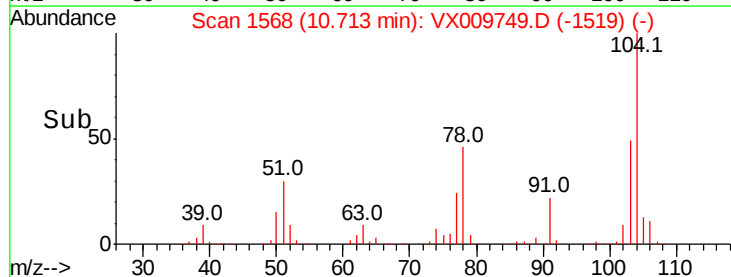
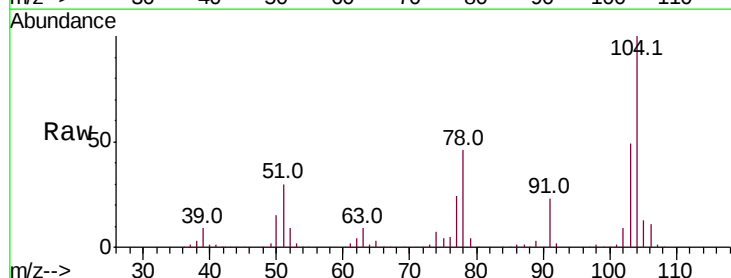
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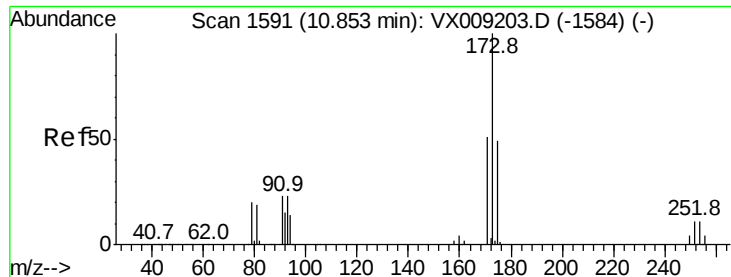
MMDadoda
5/22/2019 9:40:44 AM



#70
Styrene
Concen: 18.922 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

Tgt Ion:104 Resp: 105449
Ion Ratio Lower Upper
104 100
78 52.2 41.0 61.4
103 55.1 43.8 65.6





#71

Bromoform

Concen: 18.572 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS02

Tot Ion:173 Resp: 26439

Ion Ratio Lower Upper

173 100

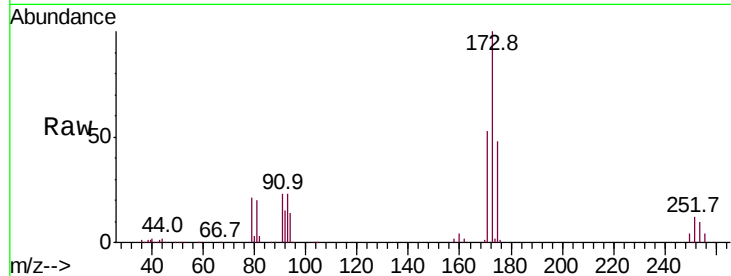
175 49.0 24.5 73.5

254 0.0 0.1 0.1#

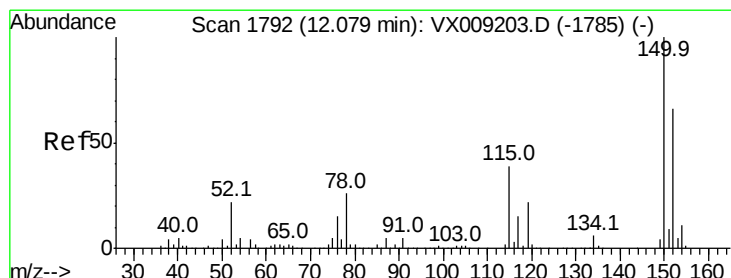
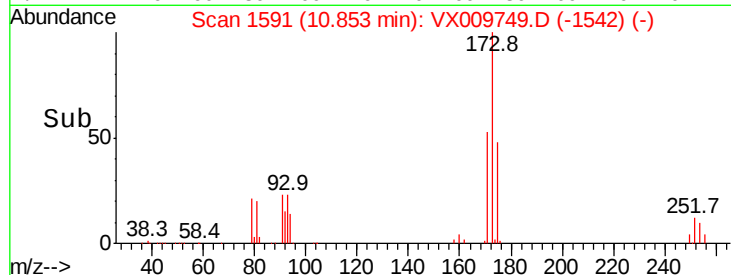
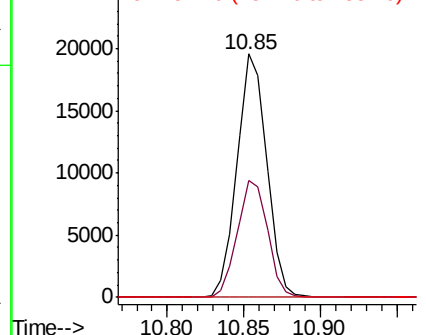
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

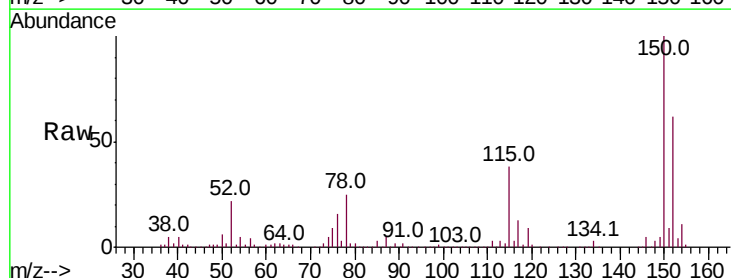
Tgt Ion:152 Resp: 114844

Ion Ratio Lower Upper

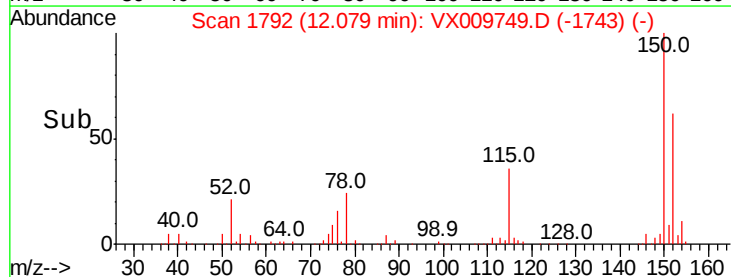
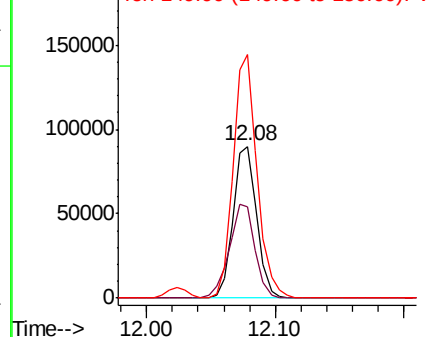
152 100

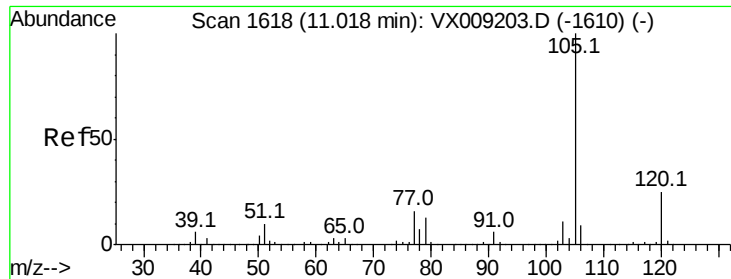
115 68.1 41.2 123.6

150 163.1 0.0 346.4



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





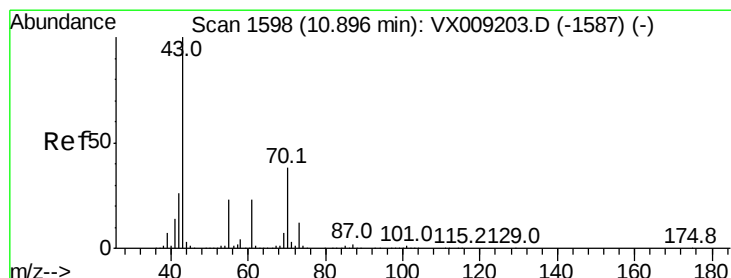
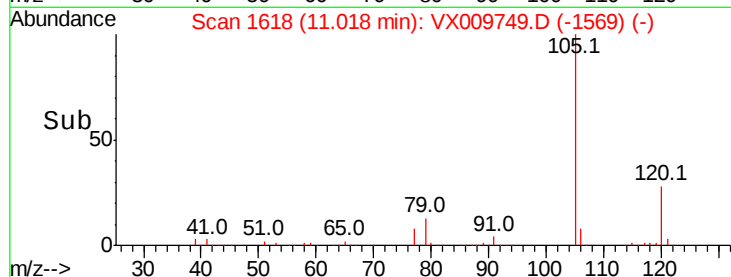
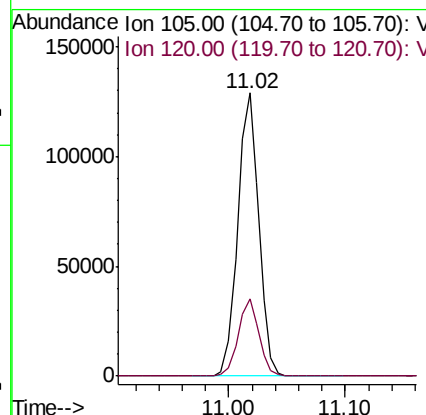
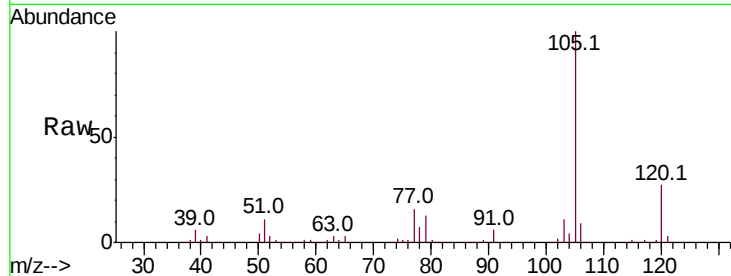
#73
Isopropylbenzene
Concen: 19.367 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS02

Tot Ion: 105 Resp: 161744
Ion Ratio Lower Upper
105 100
120 26.7 12.8 38.3

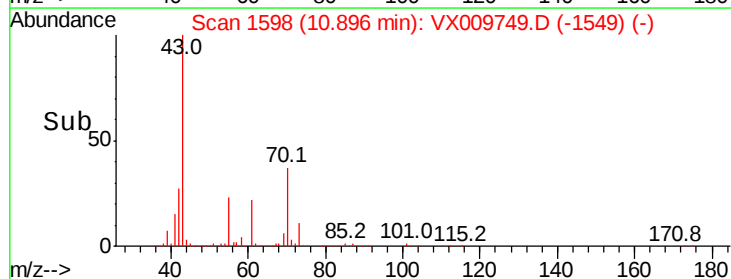
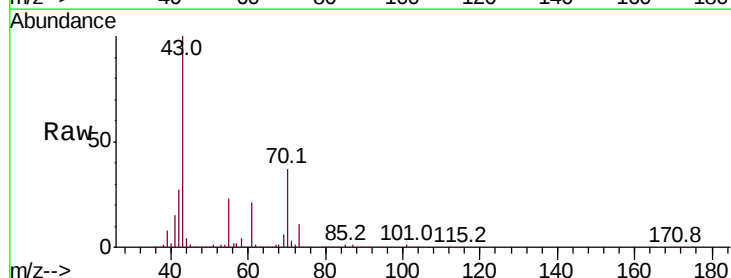
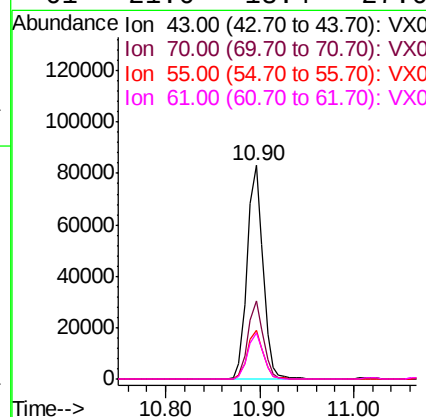
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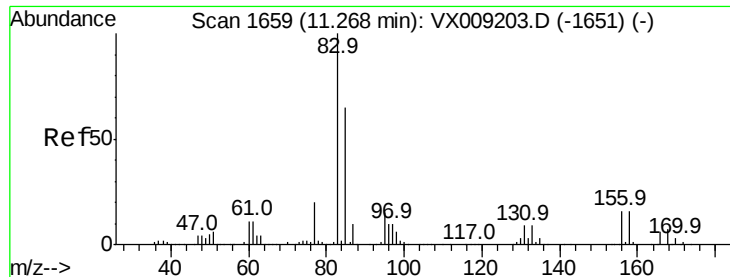
MMDadoda
5/22/2019 9:40:44 AM



#74
N-ethyl acetate
Concen: 19.906 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

Tgt Ion: 43 Resp: 96919
Ion Ratio Lower Upper
43 100
70 35.7 30.0 45.0
55 23.0 17.9 26.9
61 21.6 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.779 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

Instrument :

MSVOA_X

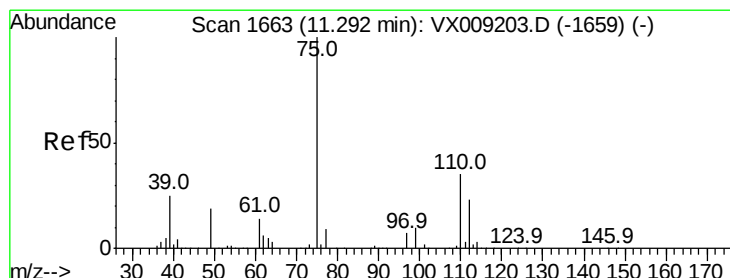
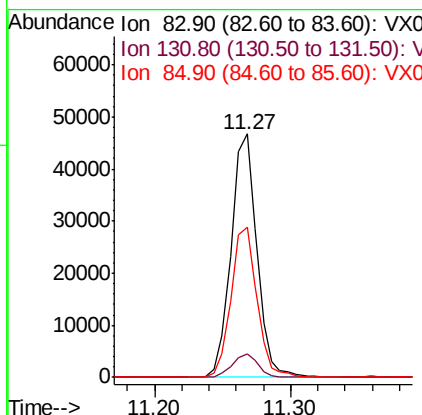
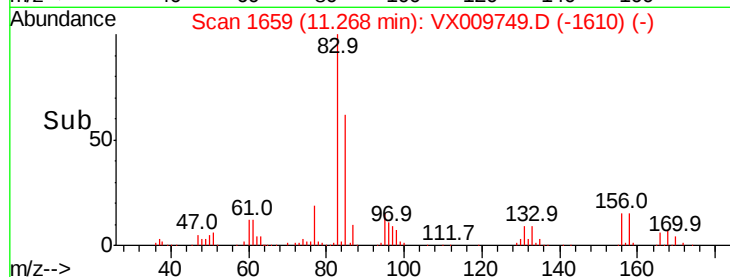
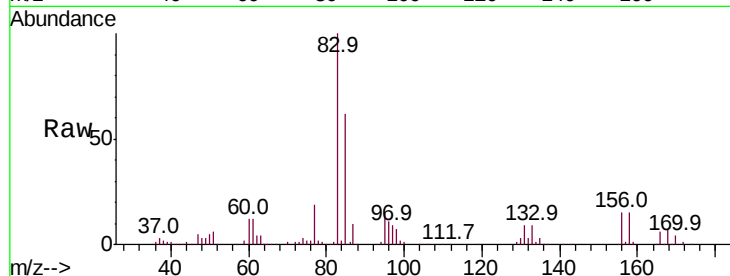
ClientSampleId :

VX0521WBS02

Tot Ion:	83	Resp:	61576
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.6	13.8
85	62.4	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.093 ug/l m

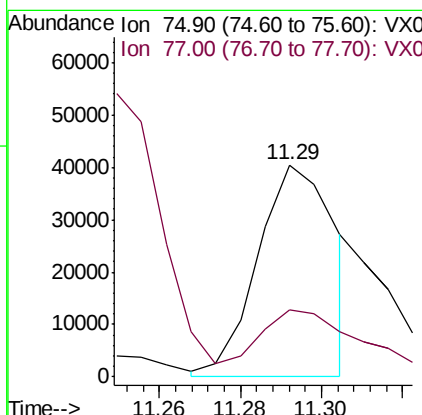
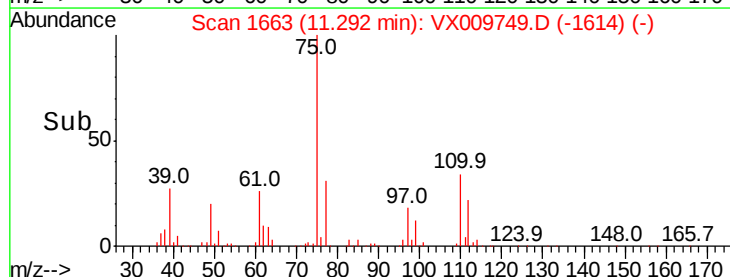
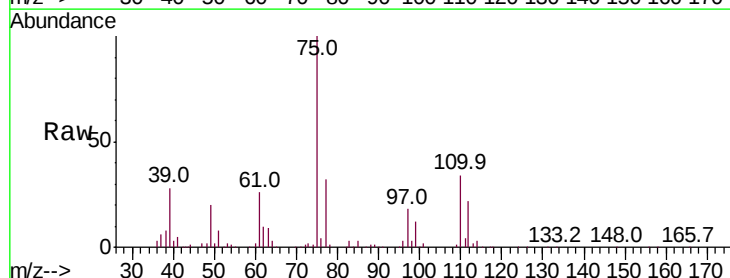
RT: 11.29 min Scan# 1663

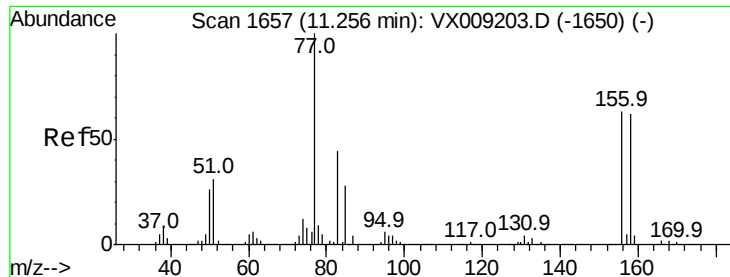
Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

Tgt Ion:	75	Resp:	53526
Ion Ratio	Lower	Upper	
75	100		
77	42.8	22.1	66.1





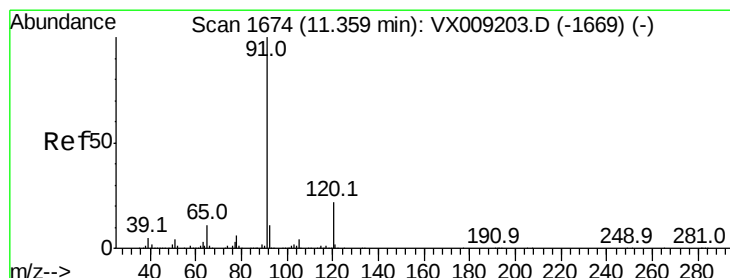
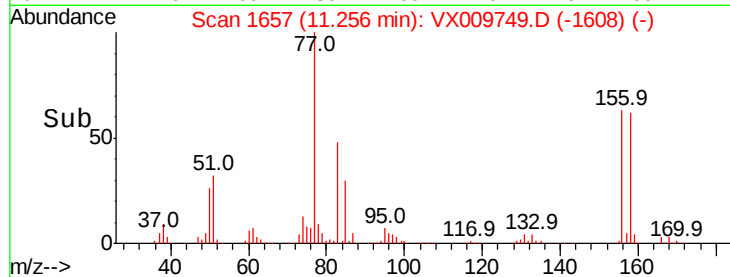
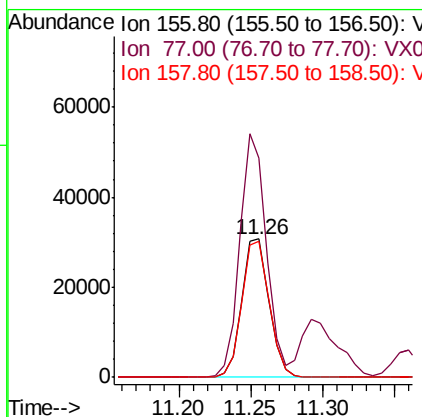
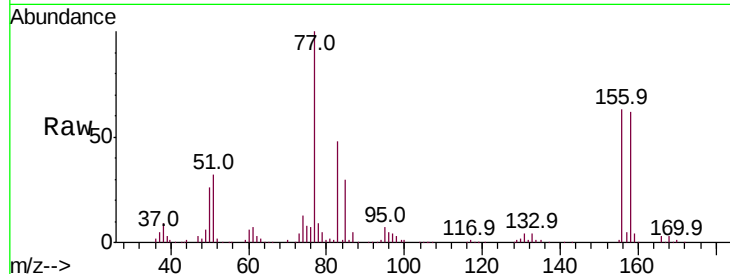
#77
Bromobenzene
Concen: 19.455 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	171.1	84.8	254.3
158	98.8	49.1	147.3

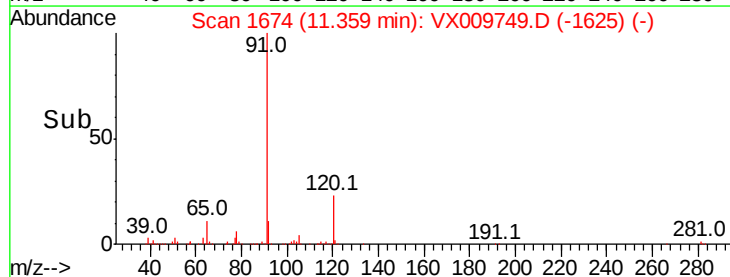
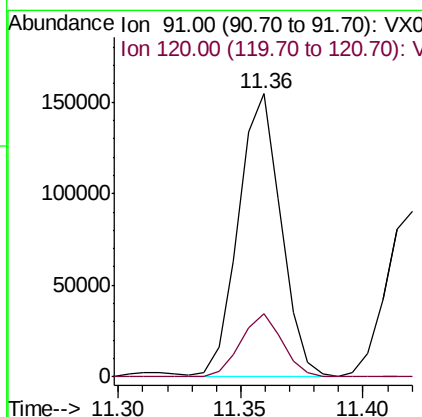
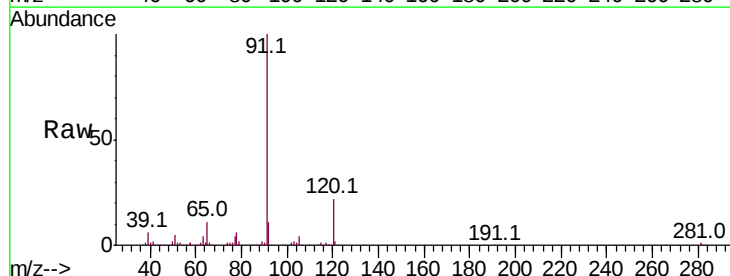
Manual Integrations
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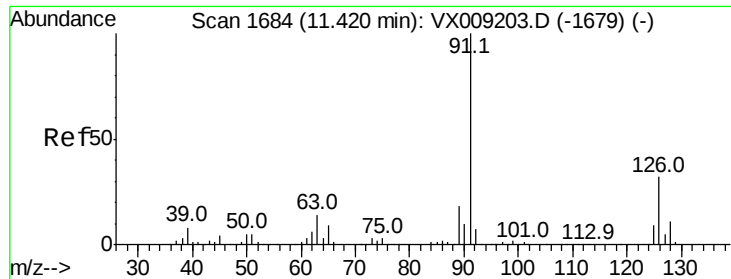
MMDadoda
5/22/2019 9:40:44 AM



#78
n-propylbenzene
Concen: 19.458 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.0	33.0





#79

2-Chlorotoluene

Concen: 19.279 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS02

Tot Ion: 91 Resp: 113444

Ion Ratio Lower Upper

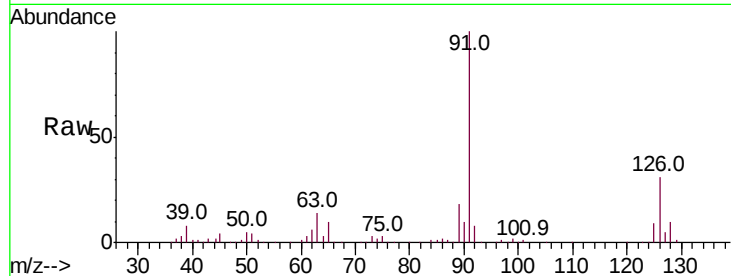
91 100

126 32.3 16.3 48.9

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Abundance Ion 91.00 (90.70 to 91.70): VX009203.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX009203.D (-1679) (-)

150000

100000

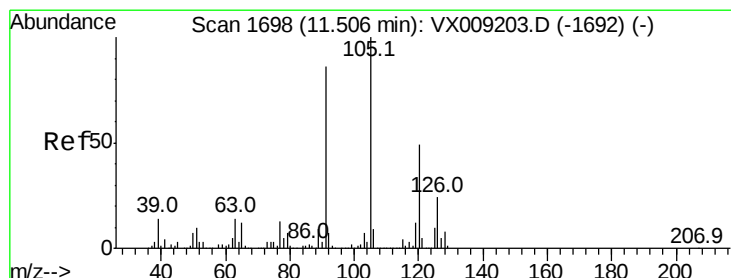
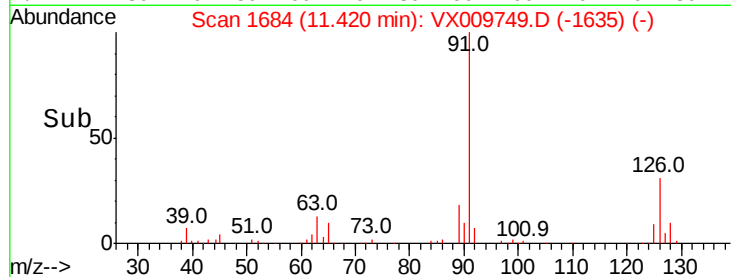
50000

0

11.42

11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.627 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009749.D

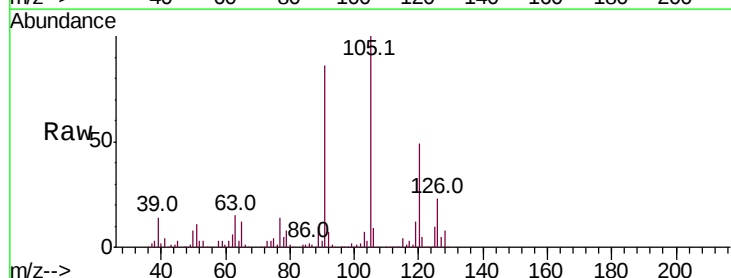
Acq: 21 May 2019 15:47

Tgt Ion:105 Resp: 138017

Ion Ratio Lower Upper

105 100

120 48.0 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VX009203.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX009203.D (-1692) (-)

120000

100000

80000

60000

40000

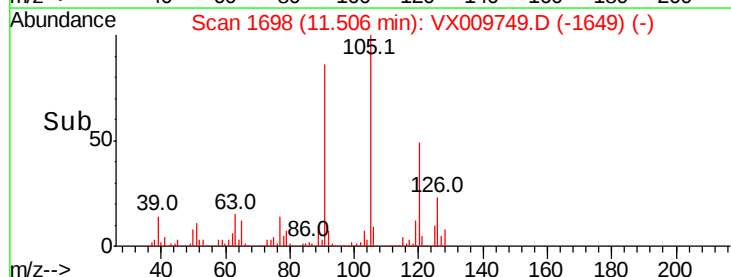
20000

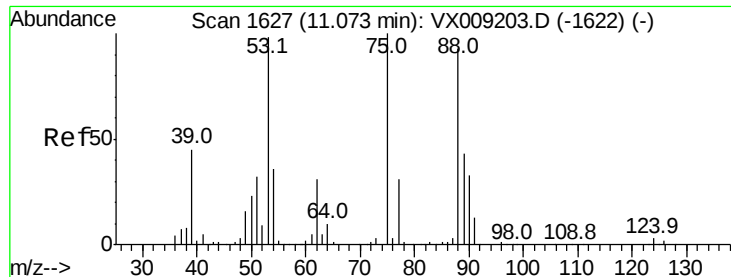
0

11.51

11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.669 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS02

Tot Ion: 75 Resp: 19437

Ion Ratio Lower Upper

75 100

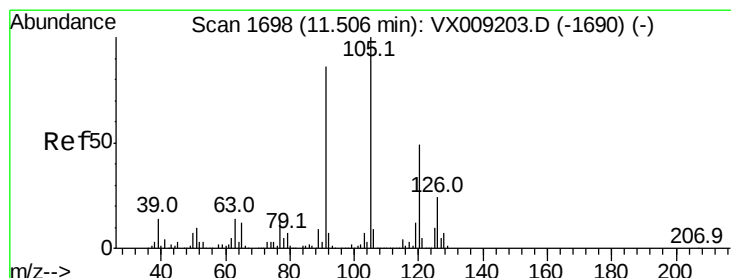
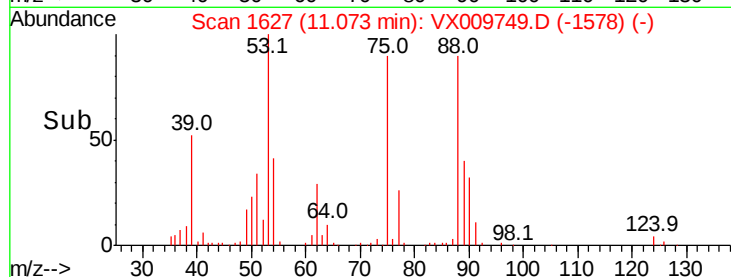
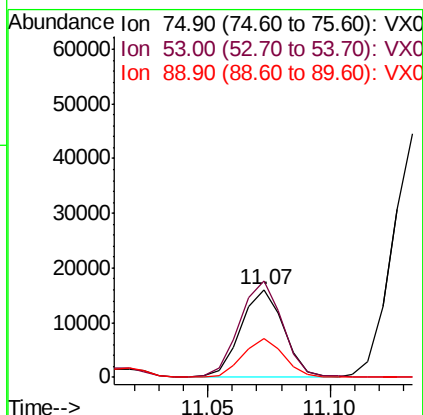
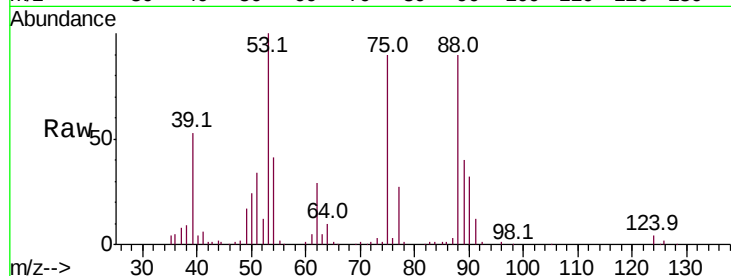
53 112.4 79.0 118.6

89 42.9 34.7 52.1

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#82

4-Chlorotoluene

Concen: 19.349 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009749.D

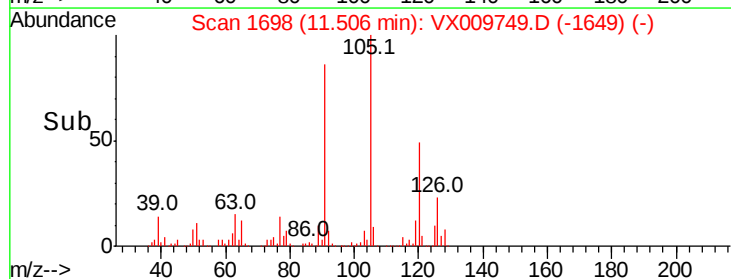
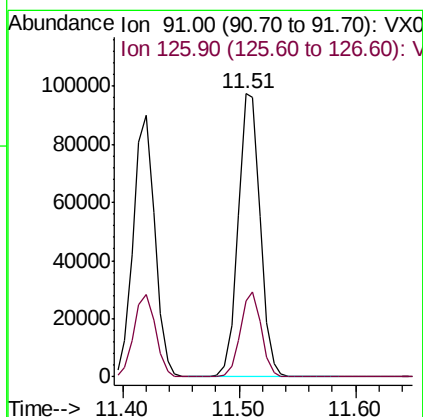
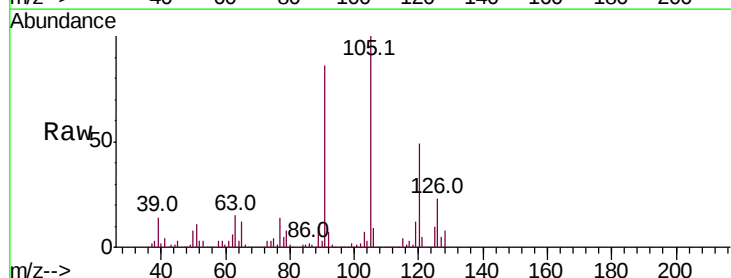
Acq: 21 May 2019 15:47

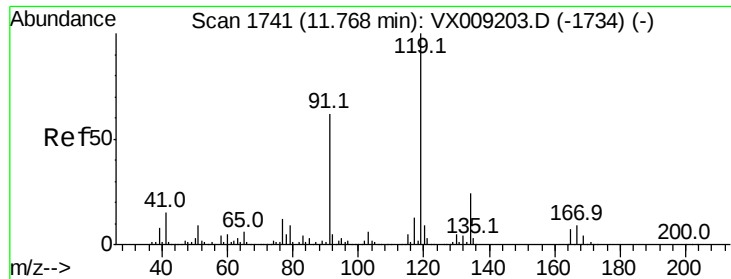
Tgt Ion: 91 Resp: 128625

Ion Ratio Lower Upper

91 100

126 28.5 14.5 43.6





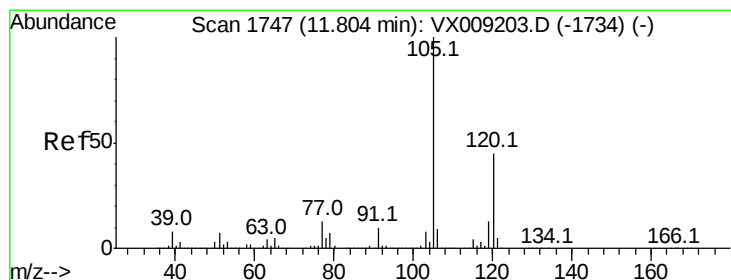
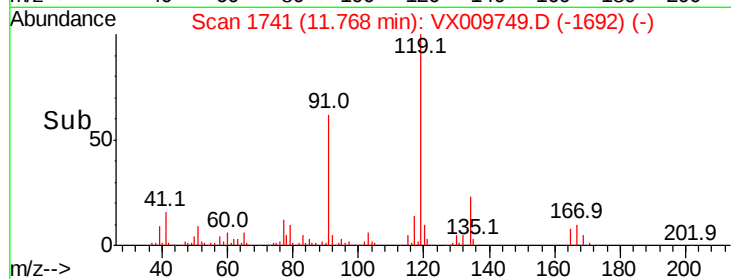
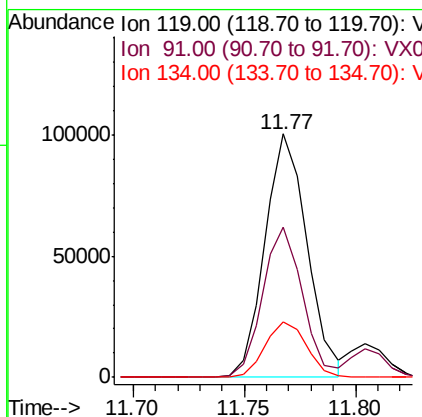
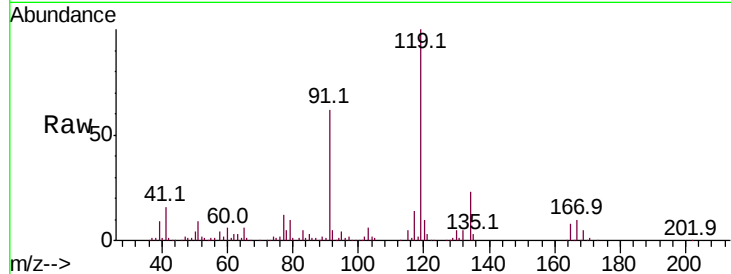
#83
tert-Butylbenzene
Concen: 19.299 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	132015		
91	59.1	29.5	88.5	
134	22.6	11.4	34.1	

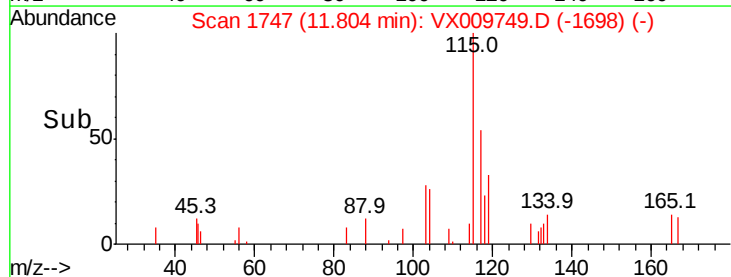
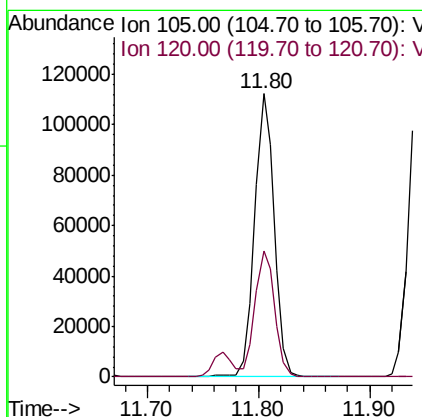
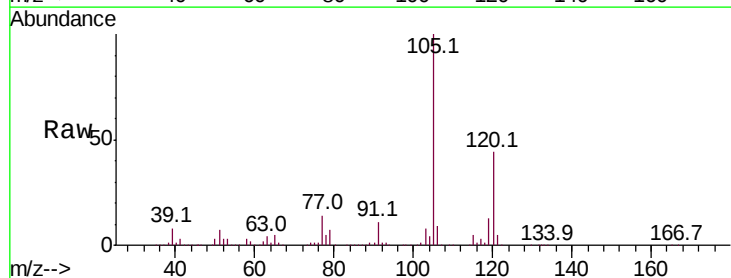
Manual Integrations
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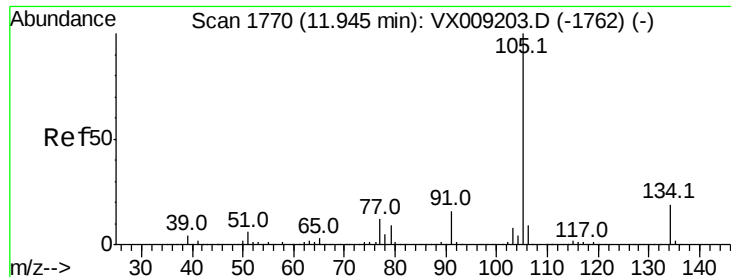
MMDadoda
5/22/2019 9:40:44 AM



#84
1,2,4-Trimethylbenzene
Concen: 19.489 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	137554		
120	44.5	22.0	66.0	





#85

sec-Butylbenzene

Concen: 19.223 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

Instrument :

MSVOA_X

ClientSampled :

VX0521WBS02

Tot Ion:105 Resp: 155901

Ion Ratio Lower Upper

105 100

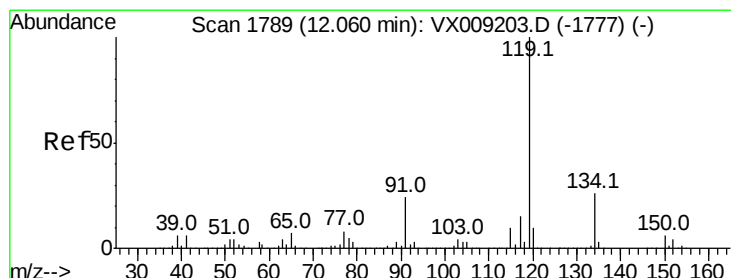
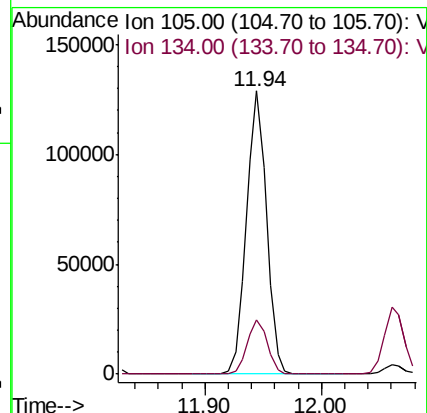
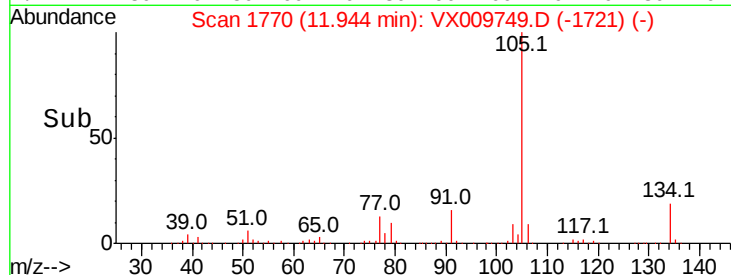
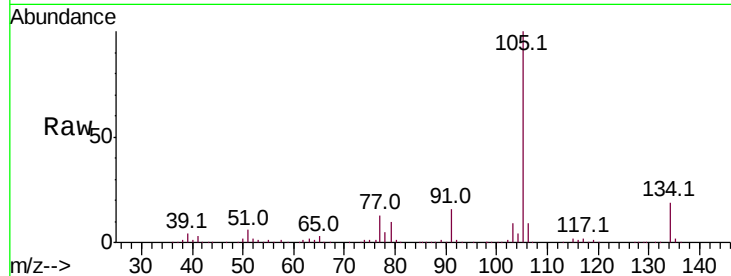
134 19.5 9.7 28.9

Manual Integrations

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5/22/2019 9:40:44 AM



#86

p-Isopropyltoluene

Concen: 19.274 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009749.D

Acq: 21 May 2019 15:47

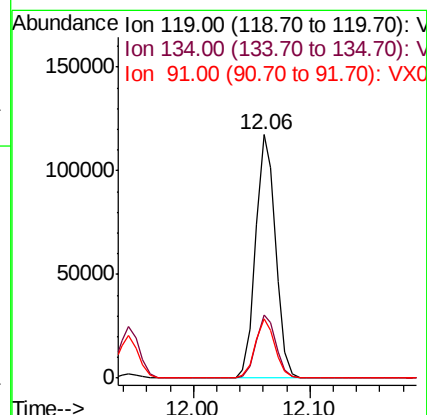
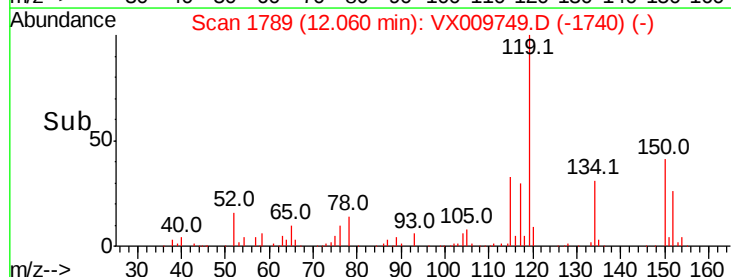
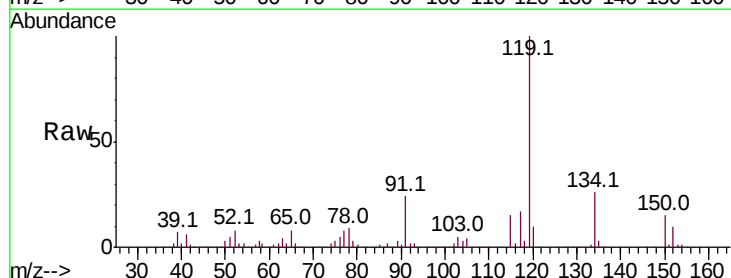
Tgt Ion:119 Resp: 140522

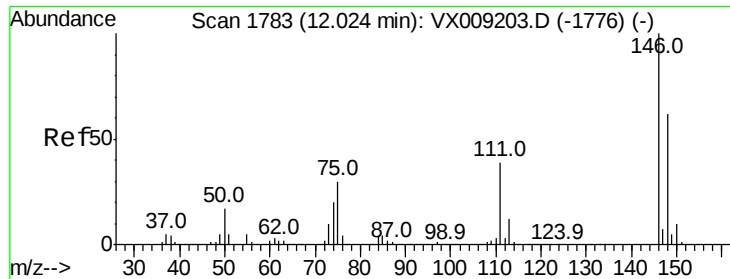
Ion Ratio Lower Upper

119 100

134 25.9 12.9 38.7

91 24.2 11.8 35.4





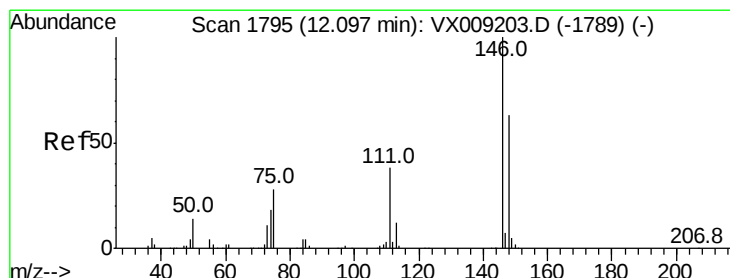
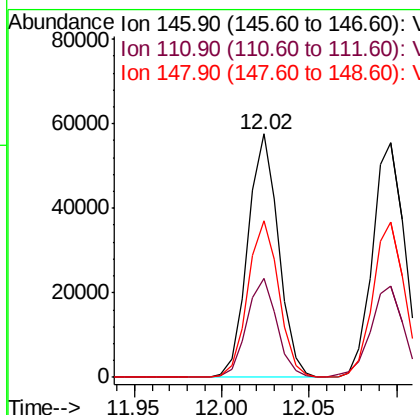
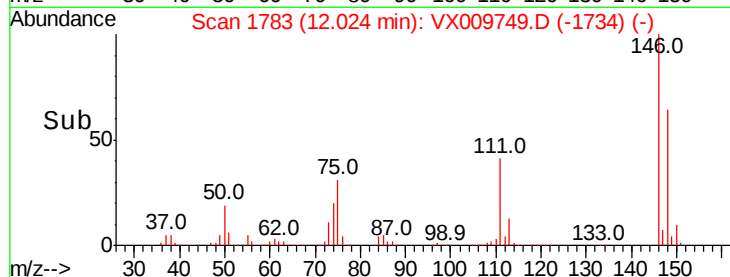
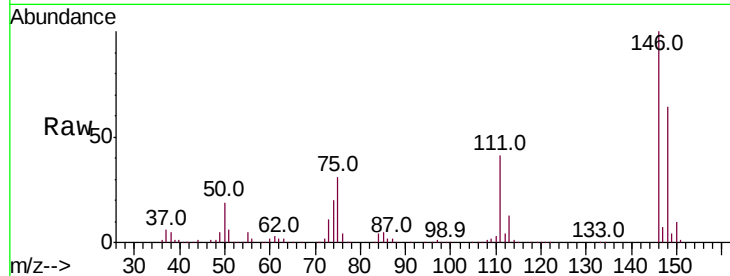
#87
 1,3-Dichlorobenzene
 Concen: 19.015 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009749.D
 Acq: 21 May 2019 15:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0521WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.0	59.9
148	64.9	31.8	95.3

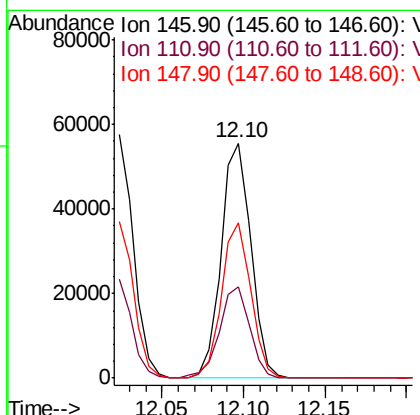
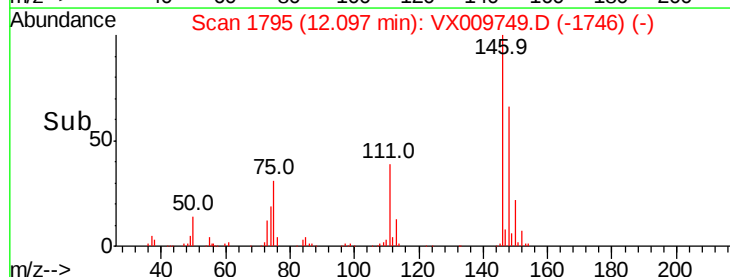
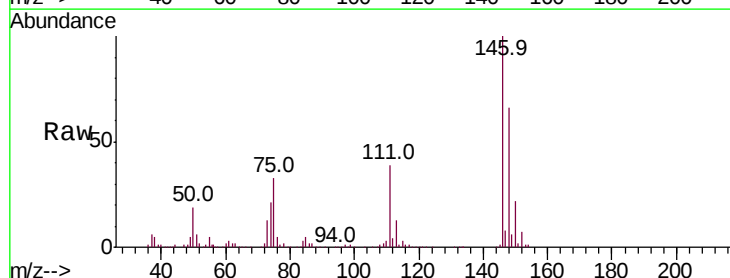
Manual Integrations
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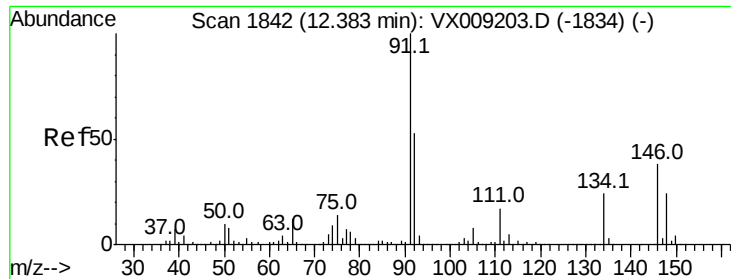
MMDadoda
 5/22/2019 9:40:44 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.845 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009749.D
 Acq: 21 May 2019 15:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.6	58.8
148	65.3	31.8	95.3





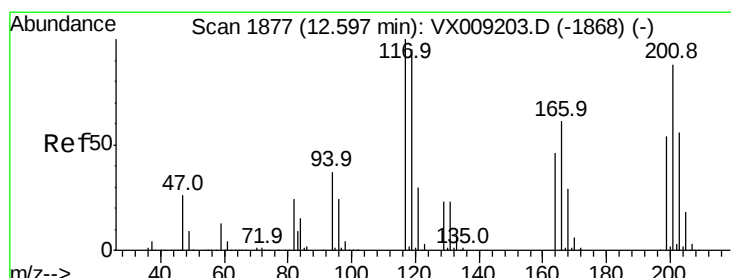
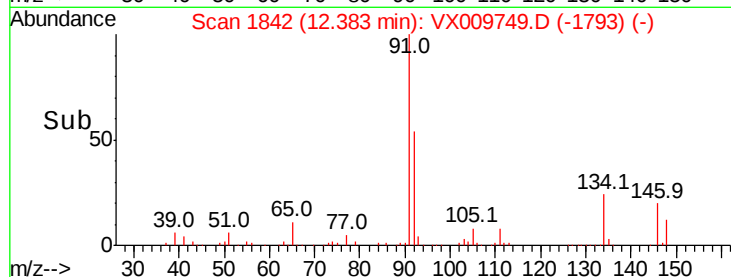
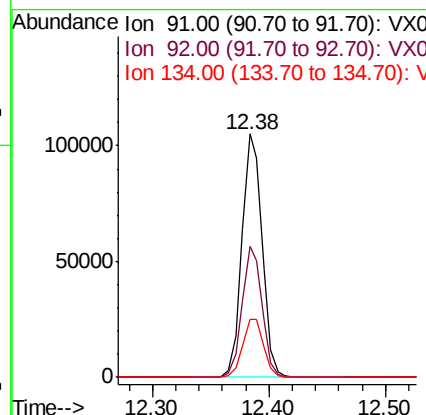
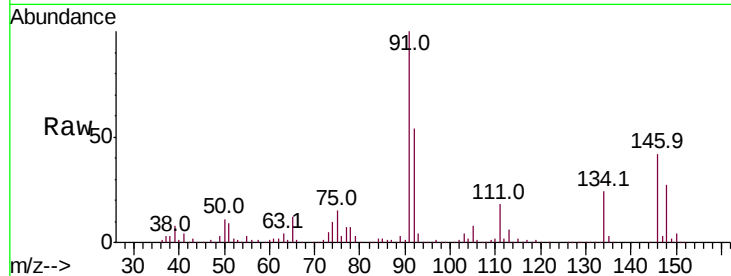
#89
n-Butylbenzene
Concen: 19.264 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	126941		
92	53.0		26.5	79.5
134	24.9		12.4	37.2

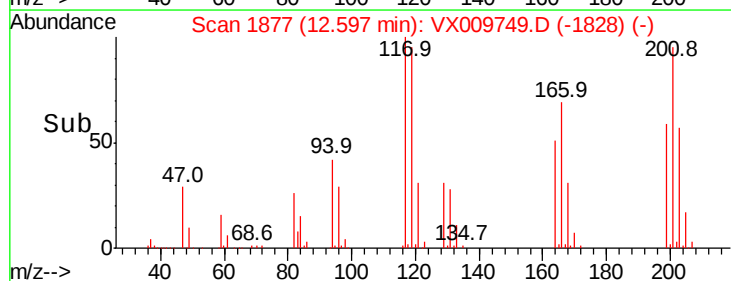
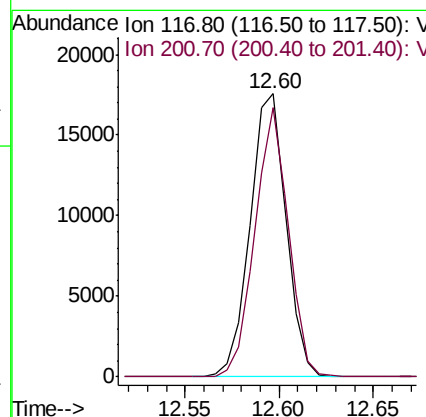
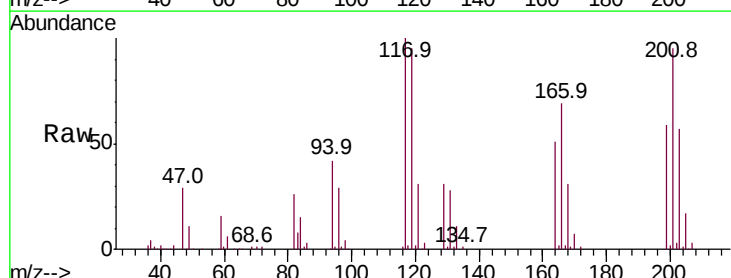
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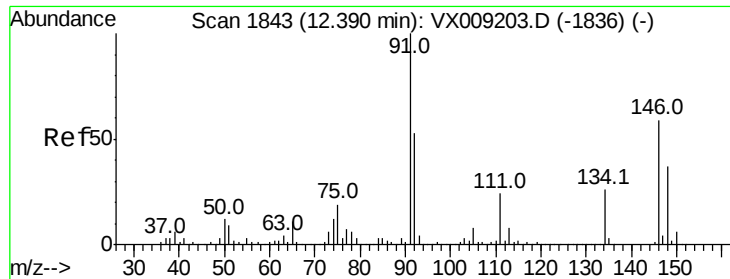
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#90
Hexachloroethane
Concen: 18.735 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	23271		
201	88.0		42.3	126.9





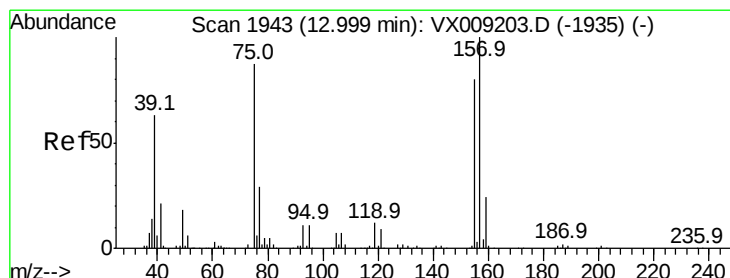
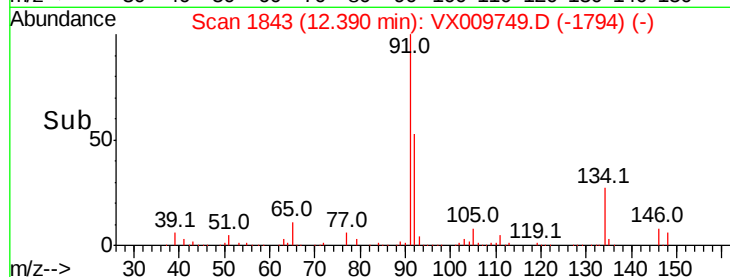
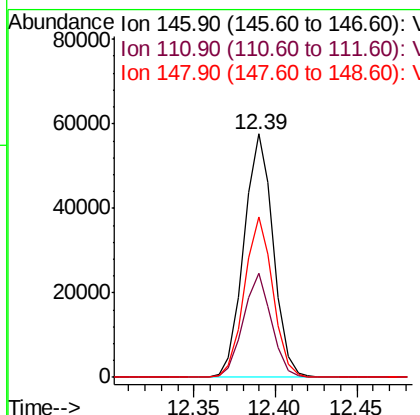
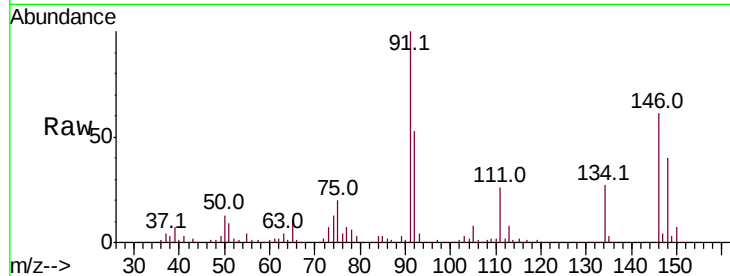
#91
 1,2-Dichlorobenzene
 Concen: 19.221 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009749.D
 Acq: 21 May 2019 15:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0521WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.8	62.4
148	64.0	31.9	95.9

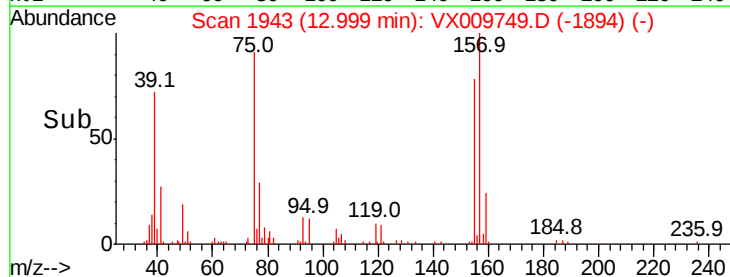
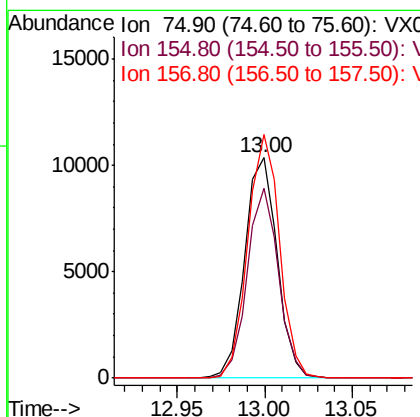
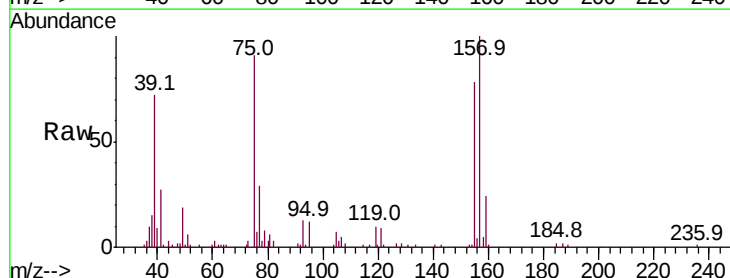
Manual Integrations
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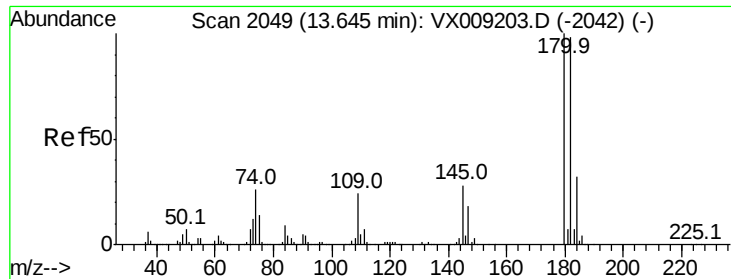
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.190 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009749.D
 Acq: 21 May 2019 15:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.5	42.0	126.0
157	108.0	53.2	159.6





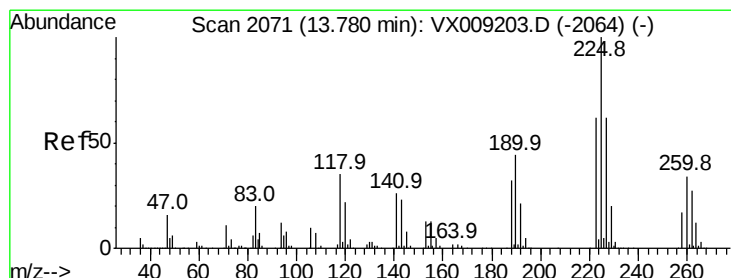
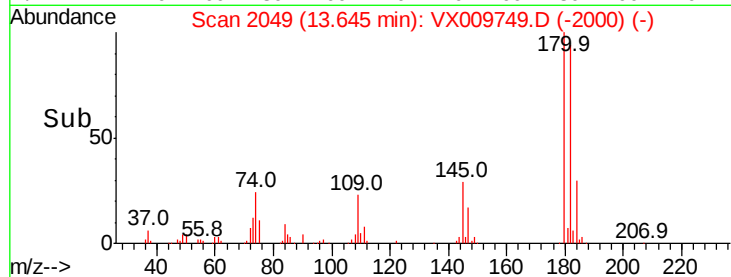
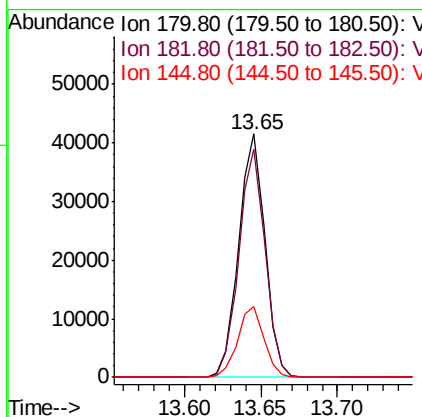
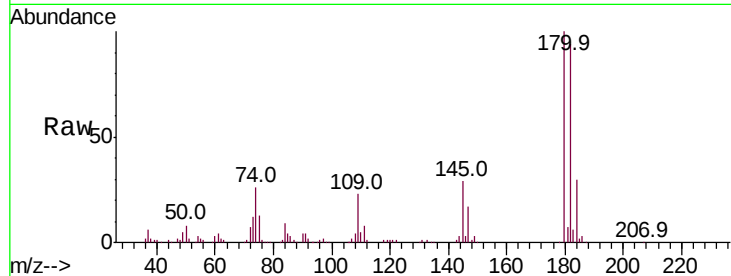
#93
 1,2,4-Trichlorobenzene
 Concen: 19.239 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009749.D
 Acq: 21 May 2019 15:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0521WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	49517		
182	93.2	48.4	145.2	
145	29.0	14.6	43.8	

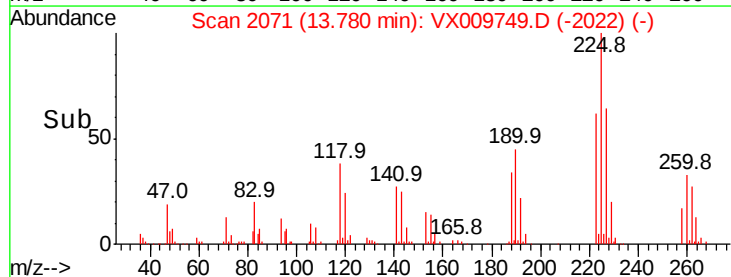
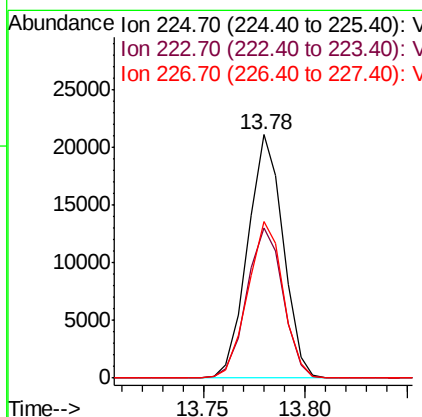
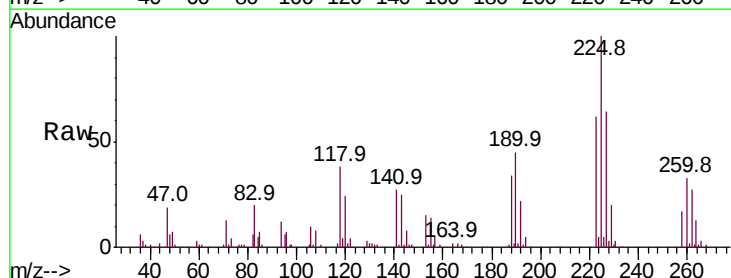
Manual Integrations
 APPROVED

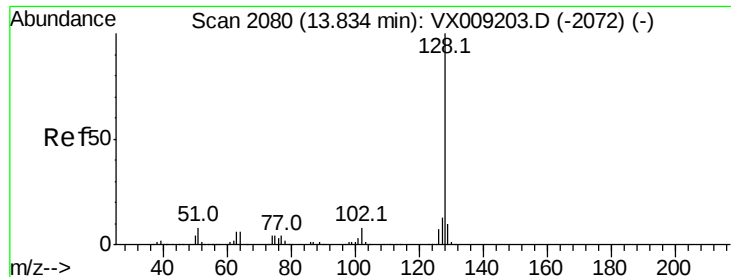
MMDadoda
 5/22/2019 9:40:44 AM



#94
 Hexachlorobutadiene
 Concen: 19.421 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009749.D
 Acq: 21 May 2019 15:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	25525		
223	63.0	31.3	93.8	
227	64.1	31.8	95.3	





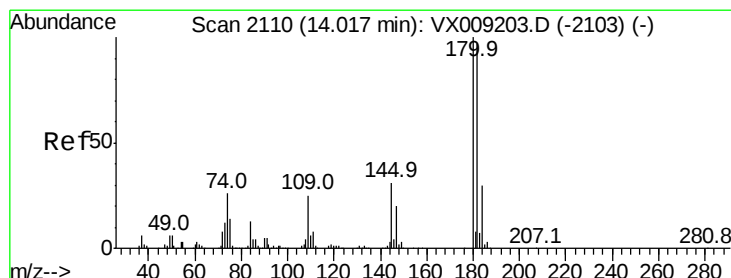
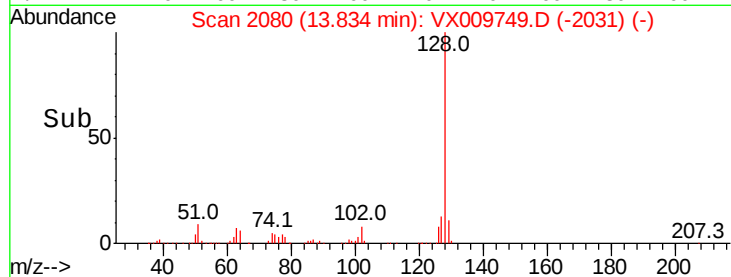
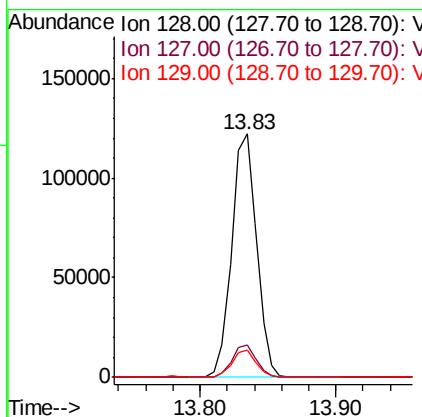
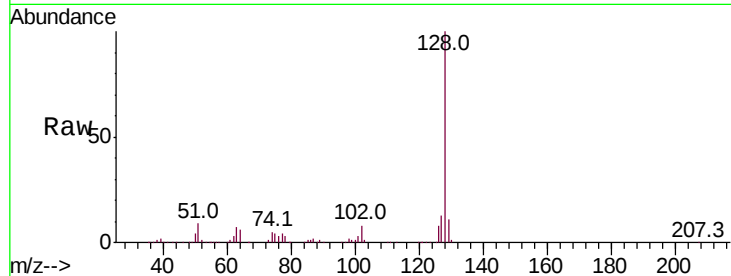
#95
Naphthalene
Concen: 18.564 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	155448		
127	13.1		10.4	15.6
129	10.9		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/22/2019 9:40:44 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.926 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX009749.D
Acq: 21 May 2019 15:47

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	49377		
182	96.9		47.8	143.4
145	30.9		15.4	46.4

