

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090418\
 Data File : VX004349.D
 Acq On : 04 Sep 2018 16:12
 Operator : JC/MD
 Sample : VX0904MBS01
 Misc : 5.00µl/10mL/100µL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904MBS01

Manual Integrations
 APPROVED

MMDadoda
 9/5/2018 4:52:51 PM

Quant Time: Sep 05 07:17:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	304274	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	439420	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	402772	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	242902	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	192361	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	
35) Dibromofluoromethane	5.50	113	166622	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	
50) Toluene-d8	8.71	98	620964	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
62) 4-Bromofluorobenzene	11.14	95	231471	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	68314	19.38	ug/l	99
3) Chloromethane	1.32	50	73856	19.14	ug/l	99
4) Vinyl Chloride	1.40	62	79145	19.85	ug/l	100
5) Bromomethane	1.64	94	40018	19.11	ug/l	100
6) Chloroethane	1.71	64	60225	20.46	ug/l	100
7) Trichlorofluoromethane	1.92	101	107856	19.74	ug/l	96
8) Diethyl Ether	2.18	74	49115	20.99	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	68912	20.14	ug/l	100
10) Methyl Iodide	2.51	142	68688	20.54	ug/l	99
11) Tert butyl alcohol	3.07	59	97557	115.40	ug/l	100
12) 1,1-Dichloroethene	2.37	96	64133	19.90	ug/l	99
13) Acrolein	2.29	56	21949	107.69	ug/l	96
14) Allyl chloride	2.72	41	125777	21.24	ug/l	97
15) Acrylonitrile	3.15	53	229943	109.83	ug/l	100
16) Acetone	2.45	43	198053	118.08	ug/l	100
17) Carbon Disulfide	2.56	76	157415	18.10	ug/l	100
18) Methyl Acetate	2.78	43	164001	27.87	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	225913	21.27	ug/l	97
20) Methylene Chloride	2.85	84	78447	20.55	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	69239	19.41	ug/l	97
22) Diisopropyl ether	3.87	45	229184	20.73	ug/l	99
23) Vinyl Acetate	3.82	43	884214	98.66	ug/l	99
24) 1,1-Dichloroethane	3.69	63	137495	21.34	ug/l	100
25) 2-Butanone	4.71	43	298934	110.91	ug/l	98
26) 2,2-Dichloropropane	4.58	77	100064	19.80	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	80835	19.98	ug/l	100
28) Bromochloromethane	5.02	49	60370	21.16	ug/l	99
29) Tetrahydrofuran	5.16	42	186211	109.28	ug/l	100
30) Chloroform	5.21	83	134823	20.87	ug/l	96
31) Cyclohexane	5.57	56	106461	19.15	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	110009	20.42	ug/l	100
36) 1,1-Dichloropropene	5.80	75	95398	19.31	ug/l	98
37) Ethyl Acetate	4.86	43	101675	20.93	ug/l	99
38) Carbon Tetrachloride	5.78	117	94785	20.40	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	108376	19.21	ug/l	98
40) Benzene	6.14	78	305825	20.72	ug/l	100
41) Methacrylonitrile	5.06	41	60201	21.38	ug/l	99
42) 1,2-Dichloroethane	6.20	62	103037	20.46	ug/l	99
43) Isopropyl Acetate	6.46	43	158028	21.17	ug/l	100
44) Trichloroethene	7.21	130	80803	19.78	ug/l	96
45) 1,2-Dichloropropane	7.52	63	78121	21.15	ug/l	96
46) Dibromomethane	7.66	93	50130	20.38	ug/l	99
47) Bromodichloromethane	7.90	83	95470	20.86	ug/l	97
48) Methyl methacrylate	7.78	41	83972	21.02	ug/l	99
49) 1,4-Dioxane	7.76	88	41107	453.24	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	563048	103.80	ug/l	100
52) Toluene	8.79	92	192729	20.86	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	101859	20.15	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	115302	20.94	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	80860	21.68	ug/l	98
56) Ethyl methacrylate	9.18	69	106078	20.89	ug/l	99
57) 1,3-Dichloropropane	9.37	76	133648	21.26	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	271993	104.54	ug/l	99
59) 2-Hexanone	9.50	43	432131	104.42	ug/l	100
60) Dibromochloromethane	9.59	129	76352	21.01	ug/l	100
61) 1,2-Dibromoethane	9.67	107	80279	20.80	ug/l	100
64) Tetrachloroethene	9.34	164	87608	22.02	ug/l	99
65) Chlorobenzene	10.14	112	205374	20.32	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	73552	21.10	ug/l	100
67) Ethyl Benzene	10.26	91	338179	20.60	ug/l	99
68) m/p-Xylenes	10.36	106	279477	43.54	ug/l	99
69) o-Xylene	10.70	106	132530	21.83	ug/l	100
70) Styrene	10.71	104	222508	22.63	ug/l	99
71) Bromoform	10.86	173	57716	20.54	ug/l #	99
73) Isopropylbenzene	11.02	105	353458	22.16	ug/l	99
74) N-amyl acetate	10.90	43	128783	20.97	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	122400	21.92	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	109788m	22.22	ug/l	
77) Bromobenzene	11.26	156	97087	21.69	ug/l	99
78) n-propylbenzene	11.36	91	410580	22.38	ug/l	100
79) 2-Chlorotoluene	11.42	91	246138	21.79	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	302590	22.90	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	32091	21.08	ug/l	98
82) 4-Chlorotoluene	11.51	91	291101	21.90	ug/l	99
83) tert-Butylbenzene	11.77	119	294575	22.16	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	312834	23.07	ug/l	99
85) sec-Butylbenzene	11.95	105	366867	23.25	ug/l	100
86) p-Isopropyltoluene	12.07	119	310603	21.96	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	178667	21.20	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	172816	19.45	ug/l	97
89) n-Butylbenzene	12.39	91	244420	21.25	ug/l	97
90) Hexachloroethane	12.60	117	42673	21.59	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	162326	21.08	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	20946	21.30	ug/l	96

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ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0904MBS01

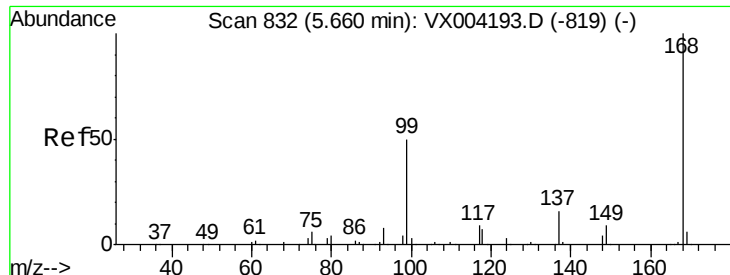
Manual Integrations
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9/5/2018 4:52:51 PM

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	123598	22.06	ug/l	99
94) Hexachlorobutadiene	13.79	225	65608	25.10	ug/l	94
95) Naphthalene	13.83	128	376992	23.79	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	134410	22.66	ug/l	99

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



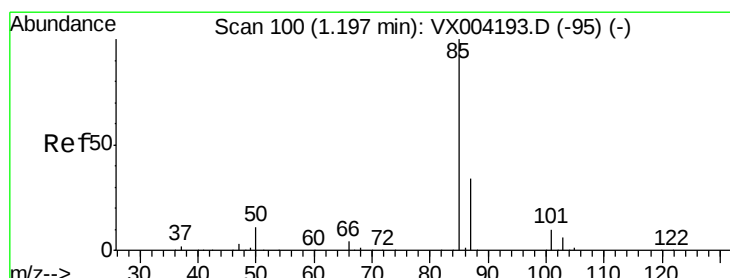
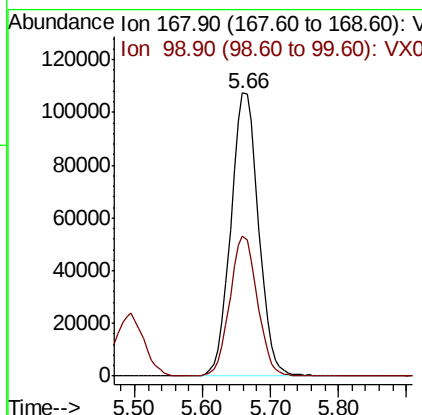
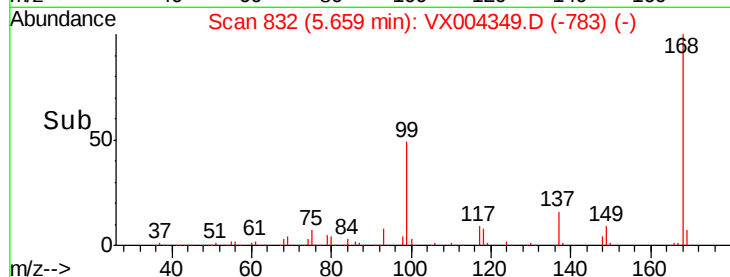
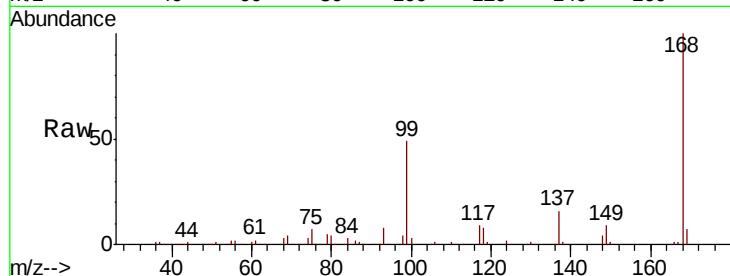
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.66 min Scan# 832
Delta R.T. -0.00 min
Lab File: VX004349.D
Acq: 04 Sep 2018 16:12

Instrument :
MSVOA_X
ClientSampleId :
VX0904MBS01

Tot Ion	Ratio	Lower	Upper
168	100		
99	49.4	39.9	59.9

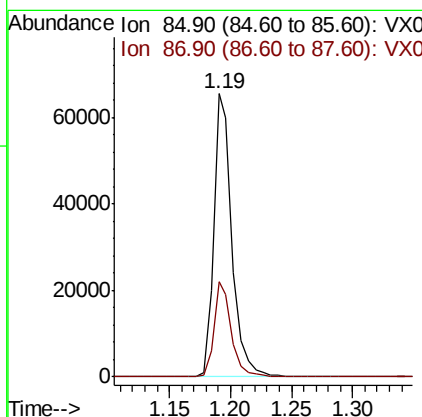
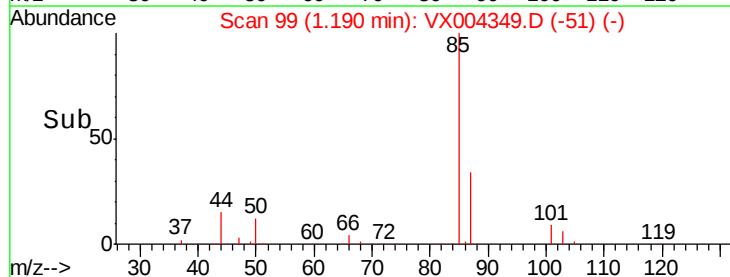
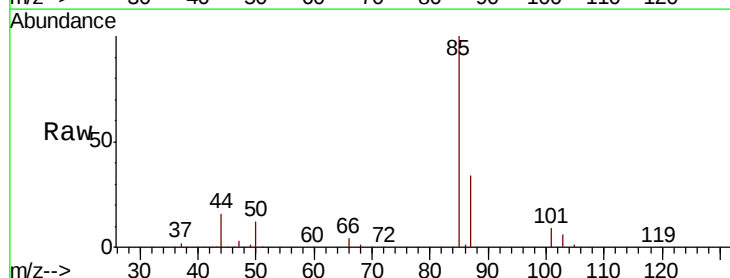
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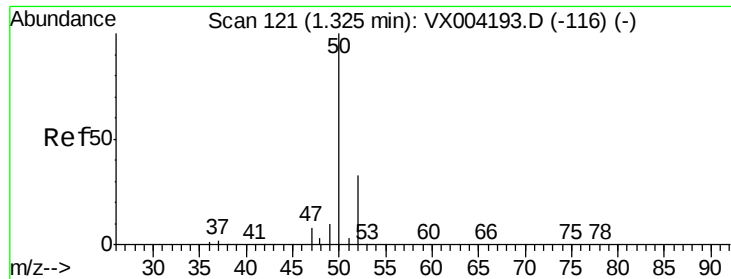
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#2
Dichlorodifluoromethane
Concen: 19.38 ug/l
RT: 1.19 min Scan# 99
Delta R.T. -0.01 min
Lab File: VX004349.D
Acq: 04 Sep 2018 16:12

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.5	17.0	50.9





#3

Chloromethane

Concen: 19.14 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX004349.D

Acq: 04 Sep 2018 16:12

Instrument :

MSVOA_X

ClientSampleId :

VX0904MBS01

Tot Ion: 50 Resp: 73856

Ion Ratio Lower Upper

50 100

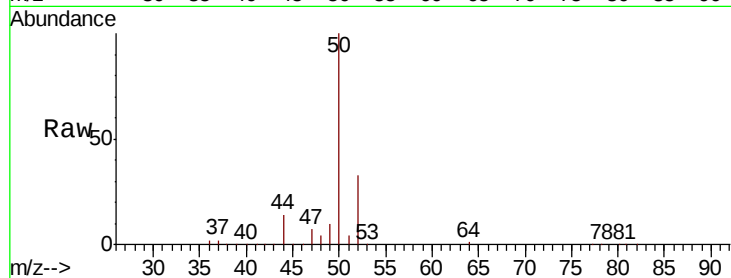
52 33.4 26.2 39.2

Manual Integrations

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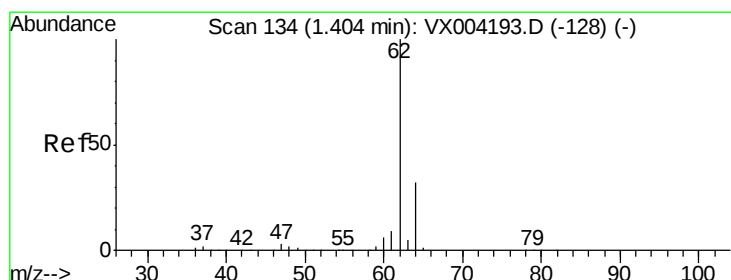
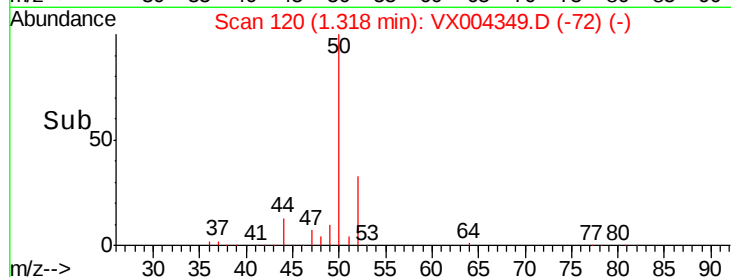
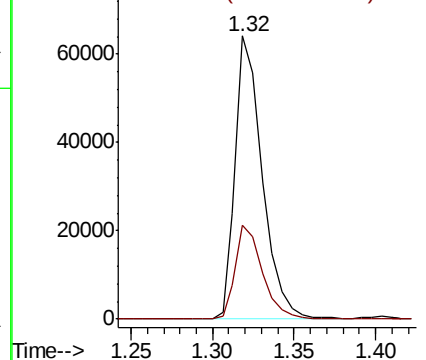
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.85 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004349.D

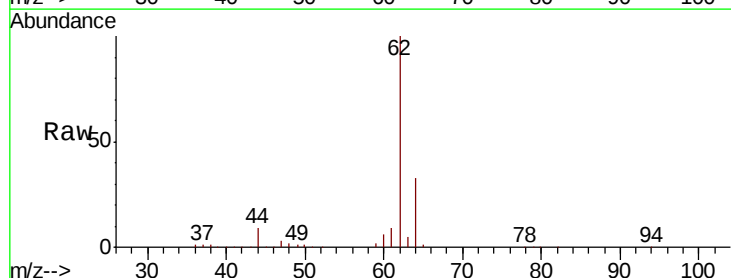
Acq: 04 Sep 2018 16:12

Tgt Ion: 62 Resp: 79145

Ion Ratio Lower Upper

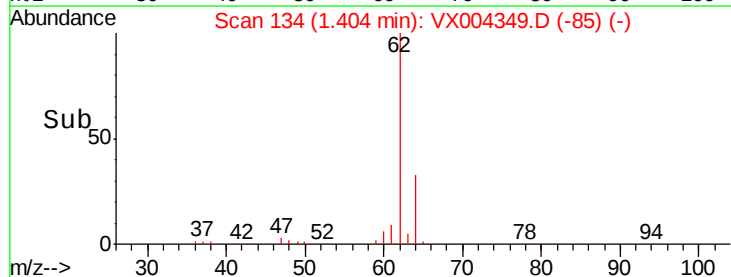
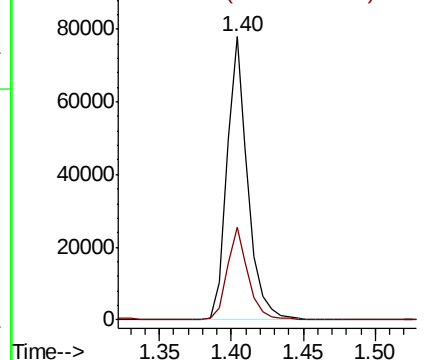
62 100

64 32.4 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 19.11 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004349.D

Acq: 04 Sep 2018 16:12

Instrument :

MSVOA_X

ClientSampleId :

VX0904MBS01

Tot Ion: 94 Resp: 40018

Ion Ratio Lower Upper

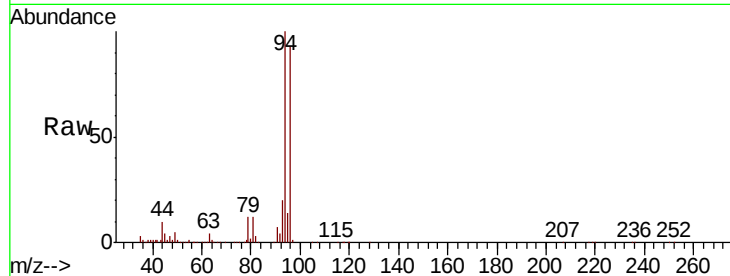
94 100

96 92.7 74.5 111.7

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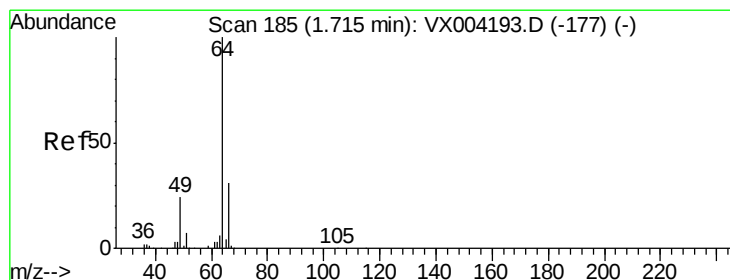
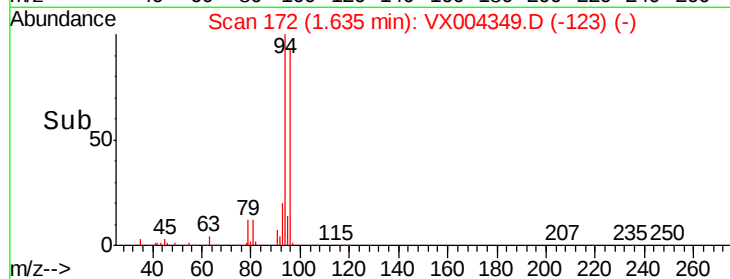
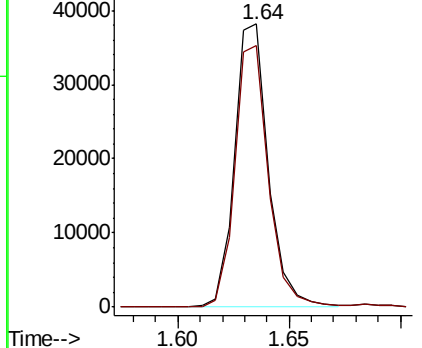
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 20.46 ug/l

RT: 1.71 min Scan# 185

Delta R.T. -0.00 min

Lab File: VX004349.D

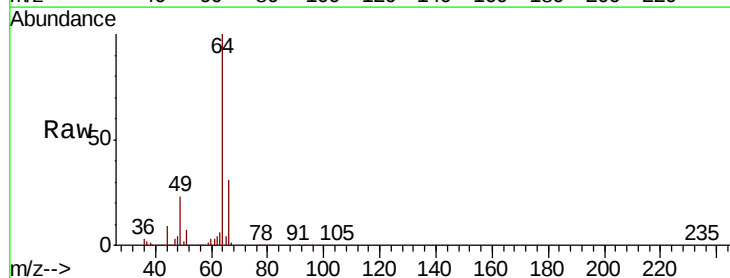
Acq: 04 Sep 2018 16:12

Tgt Ion: 64 Resp: 60225

Ion Ratio Lower Upper

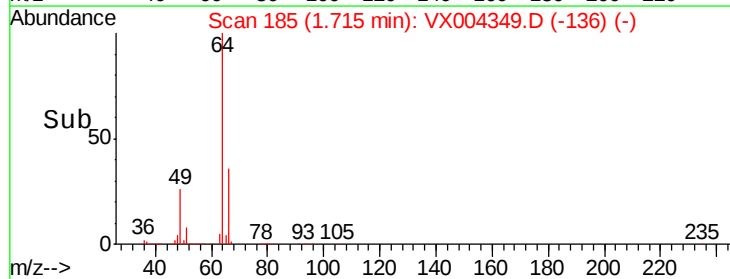
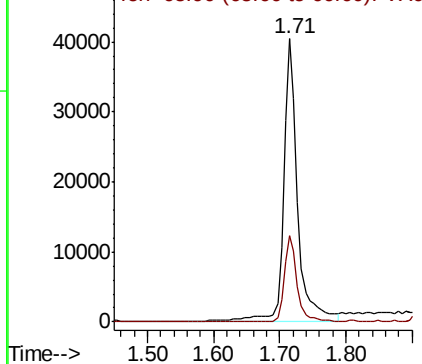
64 100

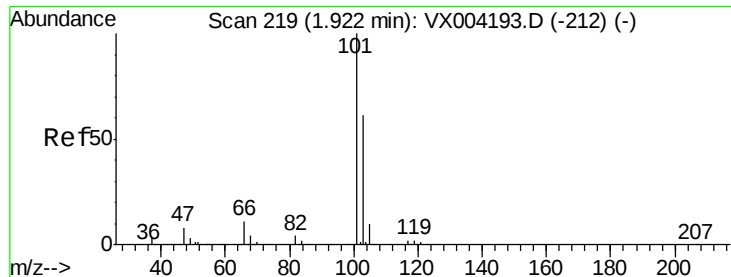
66 30.6 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

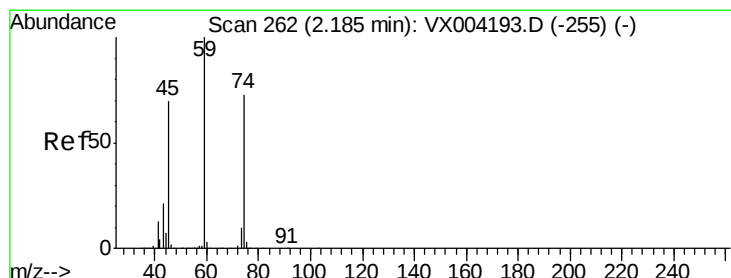
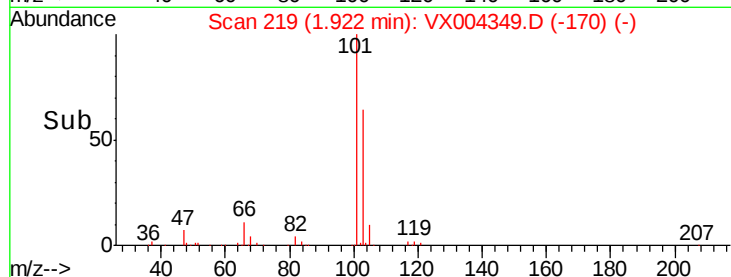
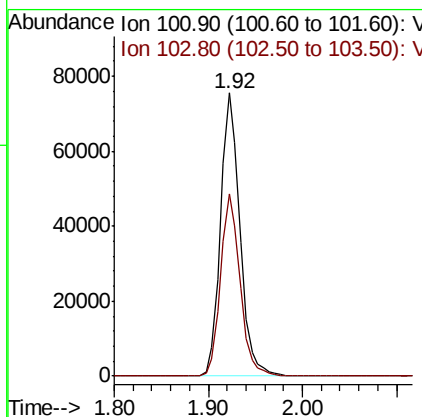
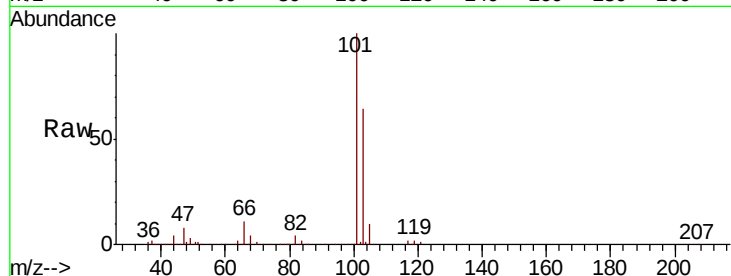
Trichlorofluoromethane
 Concen: 19.74 ug/l
 RT: 1.92 min Scan# 219
 Delta R.T. -0.00 min
 Lab File: VX004349.D
 Acq: 04 Sep 2018 16:12

Instrument :
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 ClientSampleId :
 VX0904MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		107856		
103	64.4	48.9	73.3		

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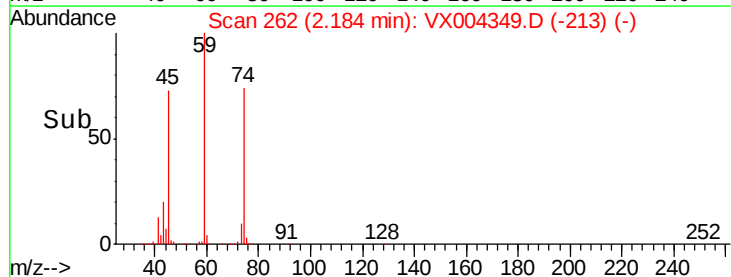
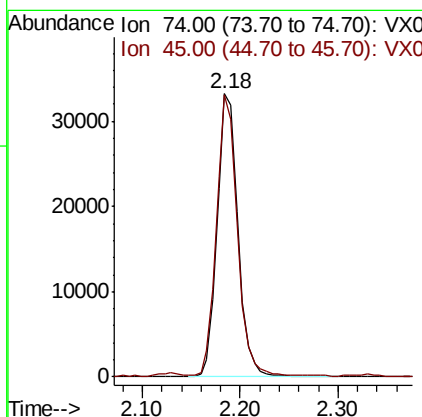
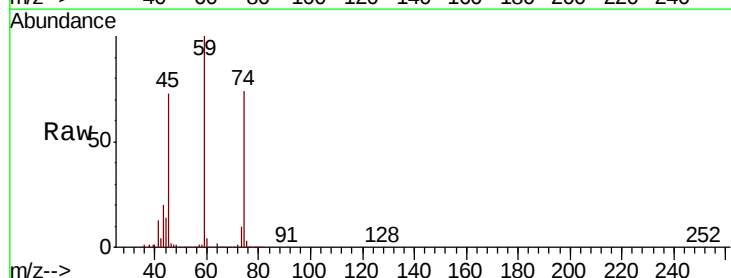
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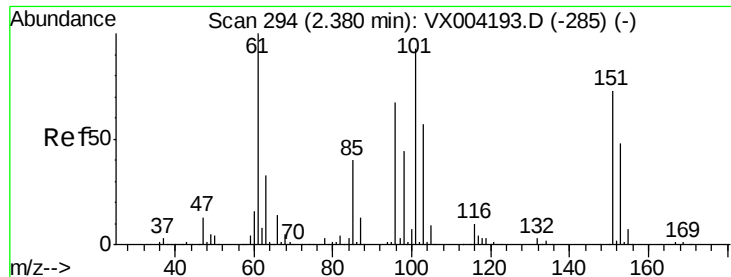


#8

Diethyl Ether
 Concen: 20.99 ug/l
 RT: 2.18 min Scan# 262
 Delta R.T. -0.00 min
 Lab File: VX004349.D
 Acq: 04 Sep 2018 16:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		49115		
45	99.5	48.3	144.8		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.14 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.00 min

Lab File: VX004349.D

Acq: 04 Sep 2018 16:12

Instrument :

MSVOA_X

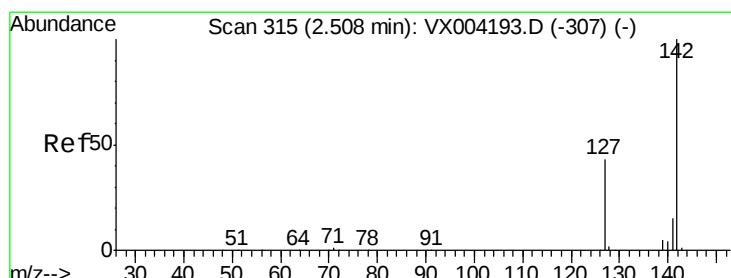
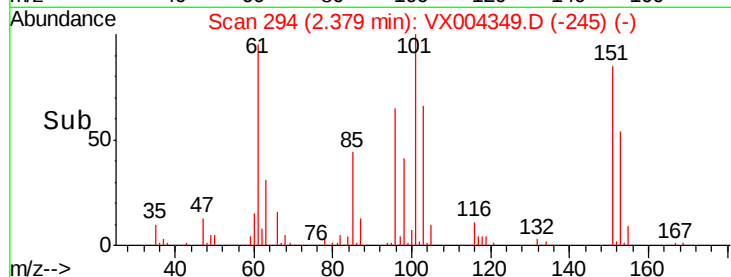
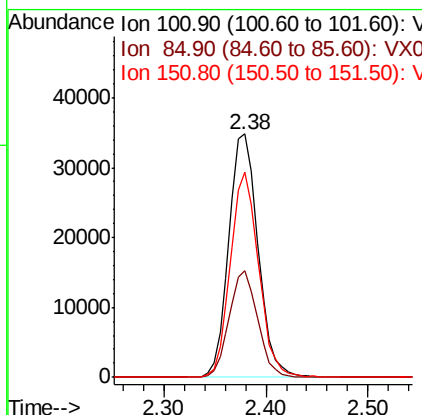
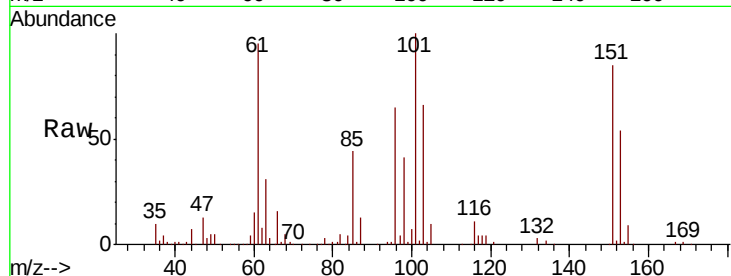
ClientSampleId :

VX0904MBS01

Tot Ion:	101	Resp:	68912
Ion Ratio	Lower	Upper	
101	100		
85	42.7	34.2	51.4
151	81.5	65.0	97.6

Manual Integrations
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#10

Methyl Iodide

Concen: 20.54 ug/l

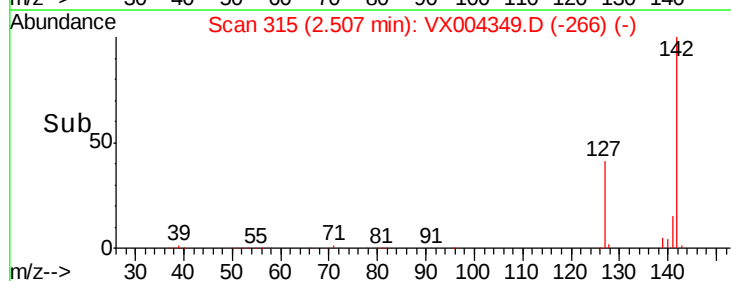
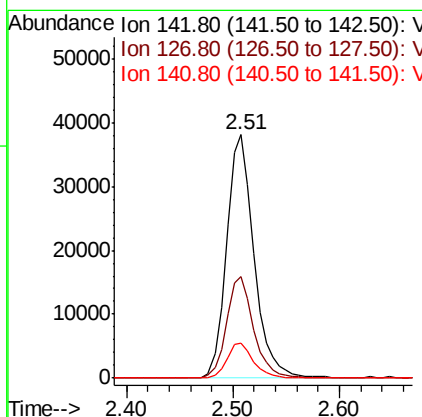
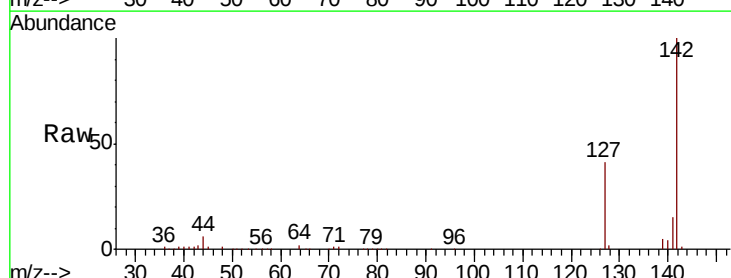
RT: 2.51 min Scan# 315

Delta R.T. 0.00 min

Lab File: VX004349.D

Acq: 04 Sep 2018 16:12

Tgt Ion:	142	Resp:	68688
Ion Ratio	Lower	Upper	
142	100		
127	41.3	33.8	50.6
141	14.0	11.4	17.0





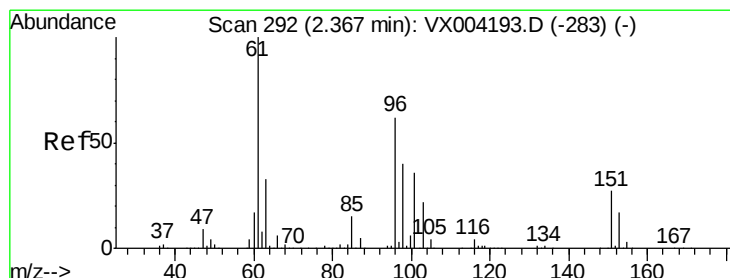
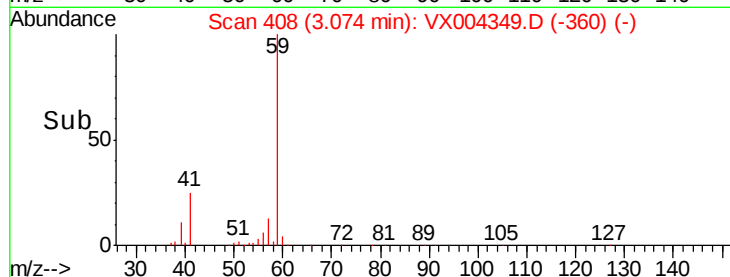
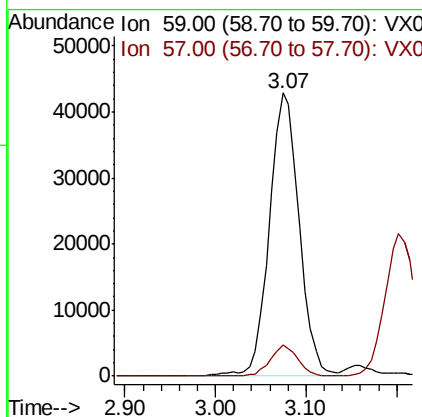
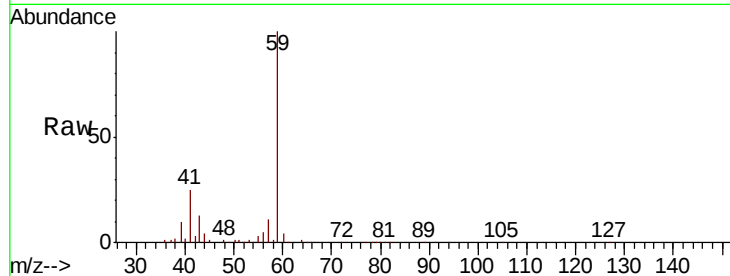
#11
Tert butyl alcohol
Concen: 115.40 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX004349.D
Acq: 04 Sep 2018 16:12

Instrument :
MSVOA_X
ClientSampleId :
VX0904MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.4

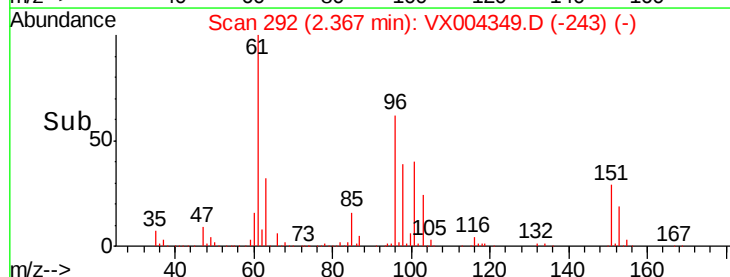
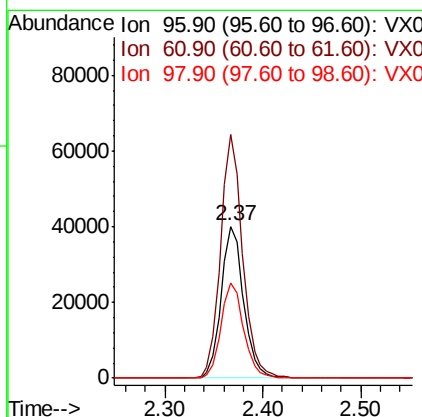
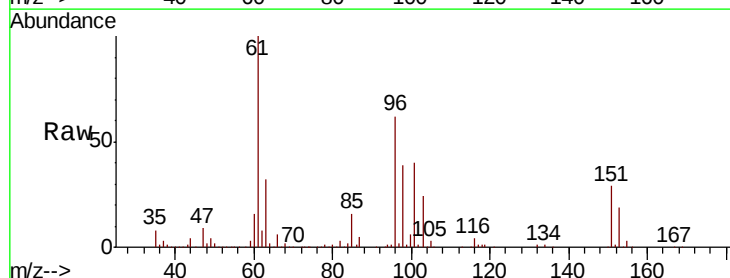
Manual Integrations
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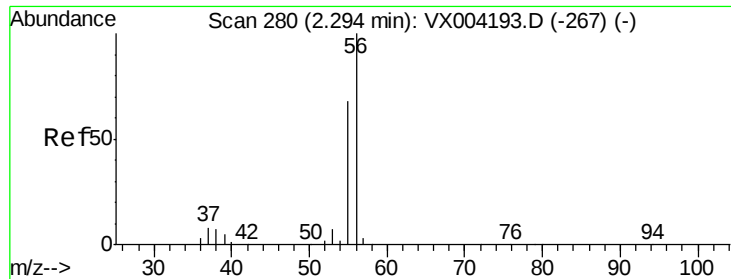
MMDadoda
9/5/2018 4:52:51 PM



#12
1,1-Dichloroethene
Concen: 19.90 ug/l
RT: 2.37 min Scan# 292
Delta R.T. -0.00 min
Lab File: VX004349.D
Acq: 04 Sep 2018 16:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.5	128.8	193.2
98	63.1	52.2	78.2





#13

Acrolein

Concen: 107.69 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX004349.D

Acq: 04 Sep 2018 16:12

Instrument :

MSVOA_X

ClientSampleId :

VX0904MBS01

Tot Ion: 56 Resp: 21949

Ion Ratio Lower Upper

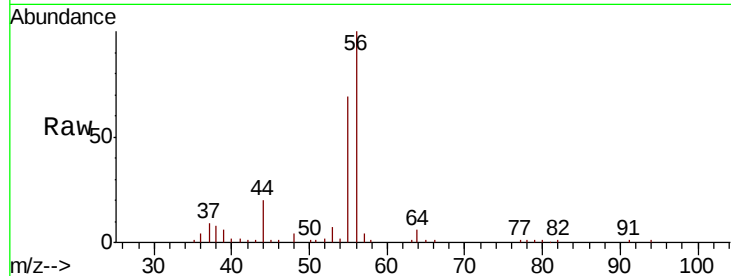
56 100

55 71.6 54.7 82.1

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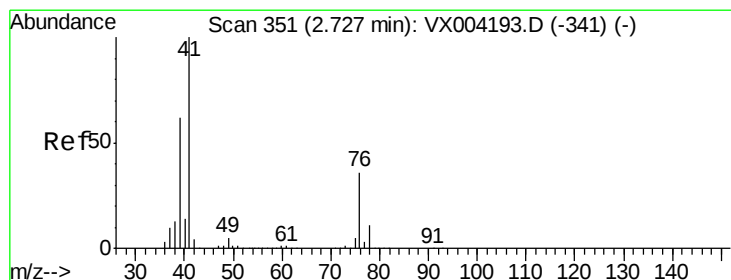
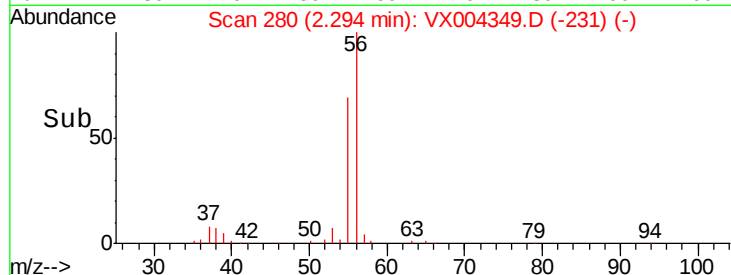
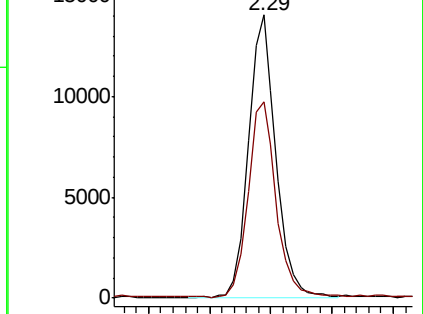
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 21.24 ug/l

RT: 2.72 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX004349.D

Acq: 04 Sep 2018 16:12

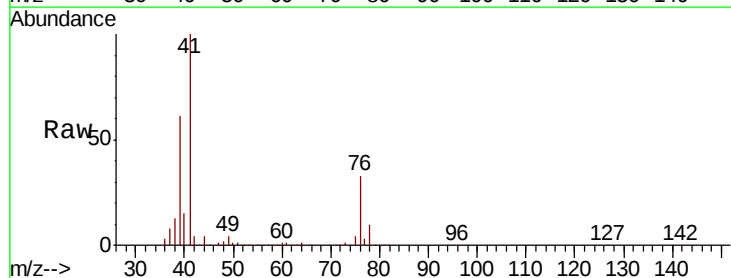
Tgt Ion: 41 Resp: 125777

Ion Ratio Lower Upper

41 100

39 58.4 48.9 73.3

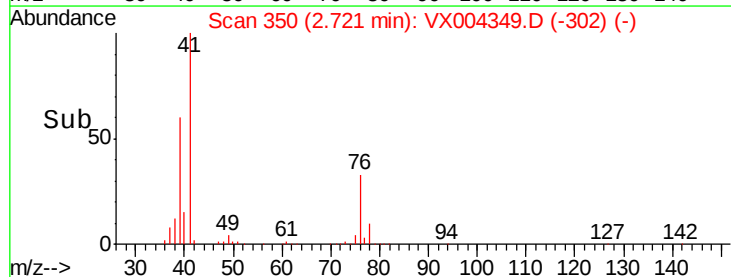
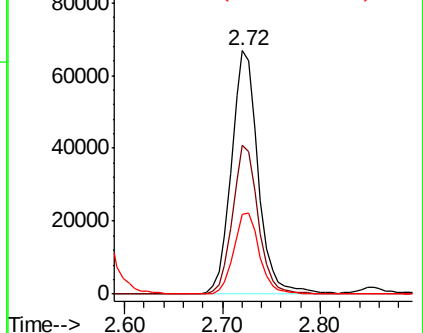
76 32.4 26.7 40.1



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





#15

Acrylonitrile

Concen: 109.83 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.00 min

Lab File: VX004349.D

Acq: 04 Sep 2018 16:12

Instrument :

MSVOA_X

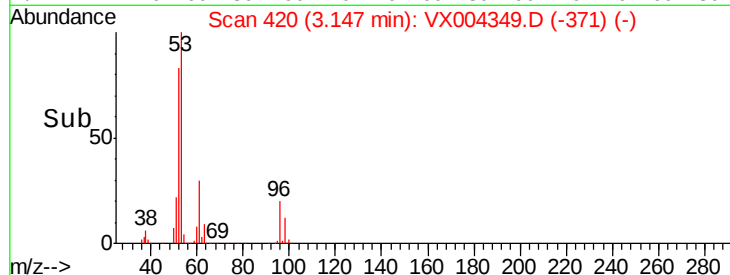
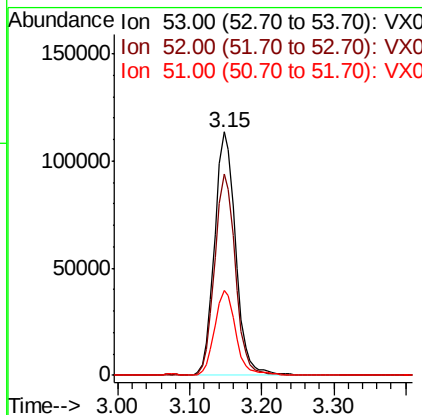
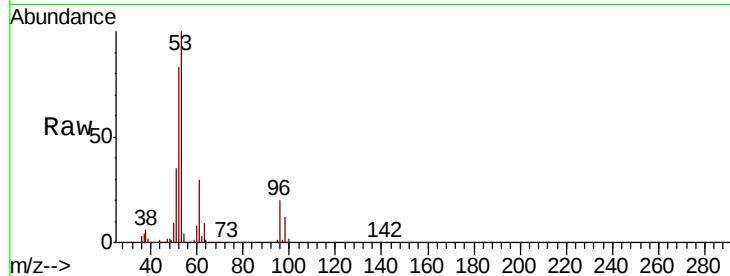
ClientSampleId :

VX0904MBS01

Tot Ion:	53	Resp:	229943
Ion	Ratio	Lower	Upper
53	100		
52	81.4	65.2	97.8
51	35.0	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 118.08 ug/l

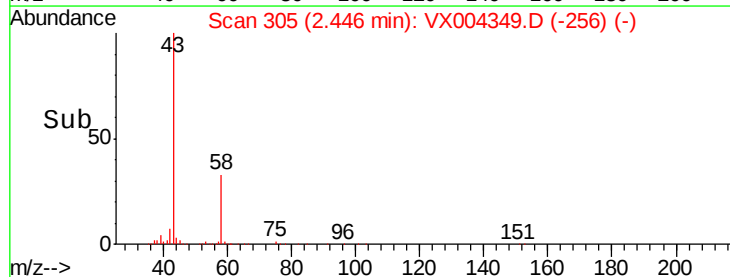
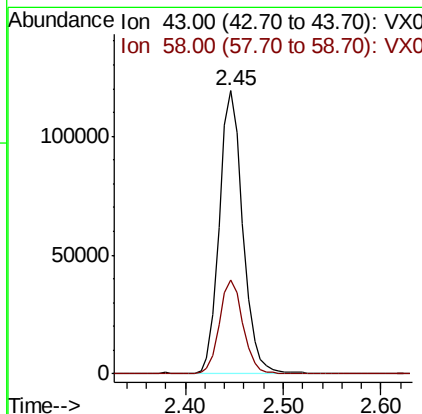
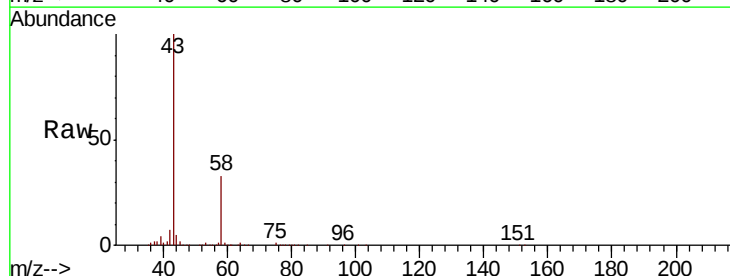
RT: 2.45 min Scan# 305

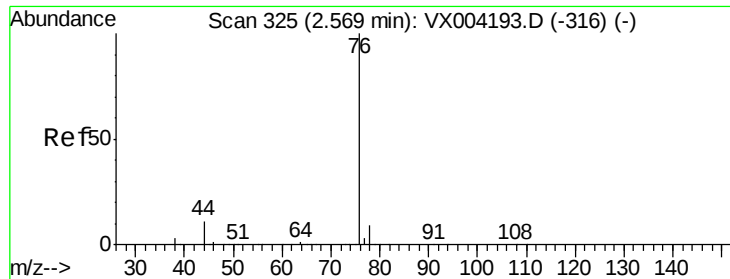
Delta R.T. 0.00 min

Lab File: VX004349.D

Acq: 04 Sep 2018 16:12

Tgt Ion:	43	Resp:	198053
Ion	Ratio	Lower	Upper
43	100		
58	33.0	26.2	39.4





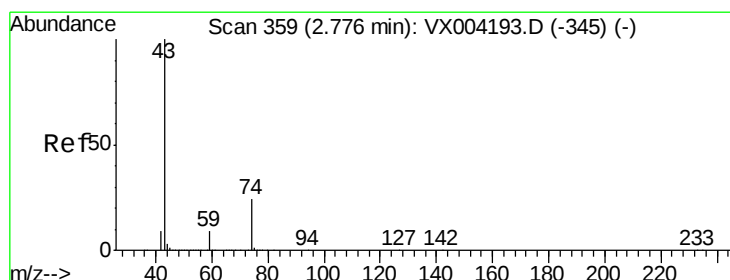
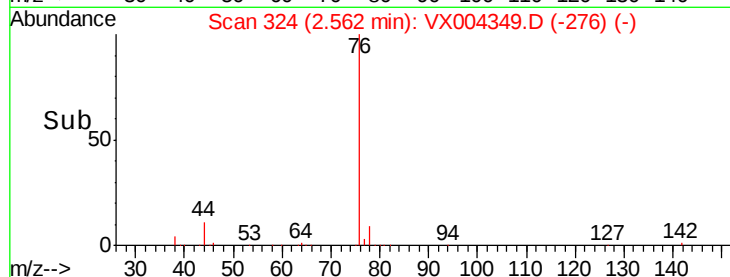
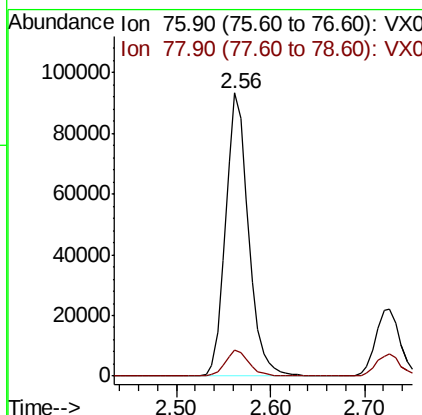
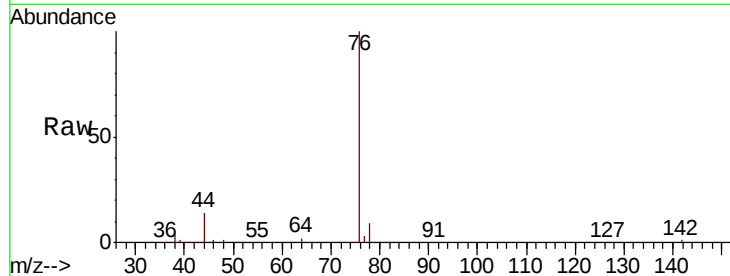
#17
Carbon Disulfide
Concen: 18.10 ug/l
RT: 2.56 min Scan# 324
Delta R.T. -0.01 min
Lab File: VX004349.D
Acq: 04 Sep 2018 16:12

Instrument :
MSVOA_X
ClientSampleId :
VX0904MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.0	10.6

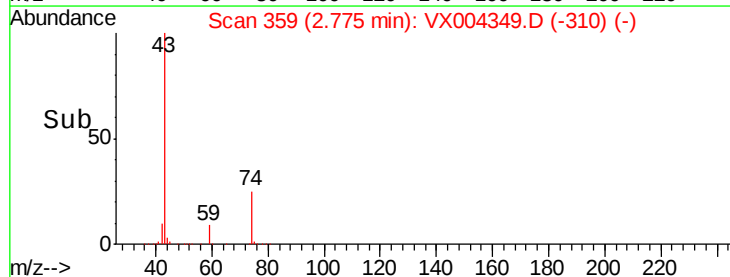
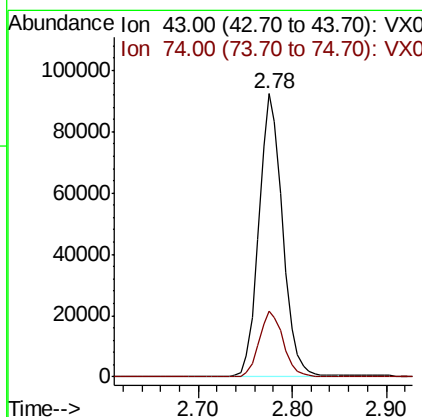
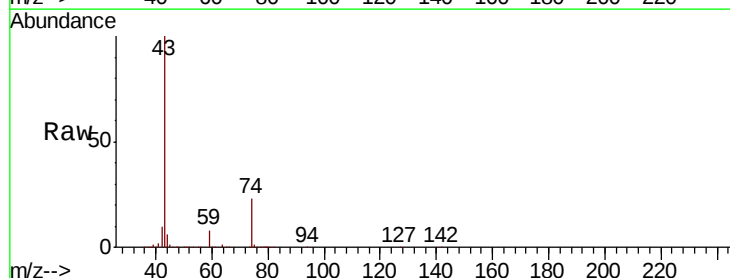
Manual Integrations
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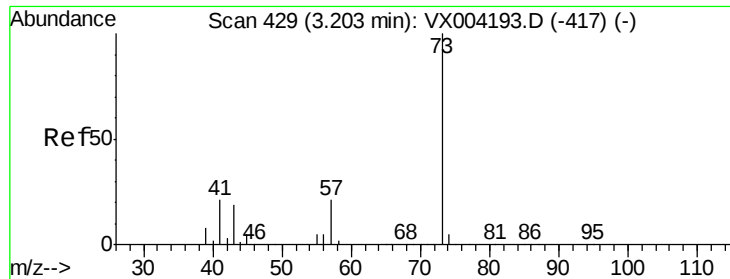
MMDadoda
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#18
Methyl Acetate
Concen: 27.87 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.00 min
Lab File: VX004349.D
Acq: 04 Sep 2018 16:12

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	19.4	29.2





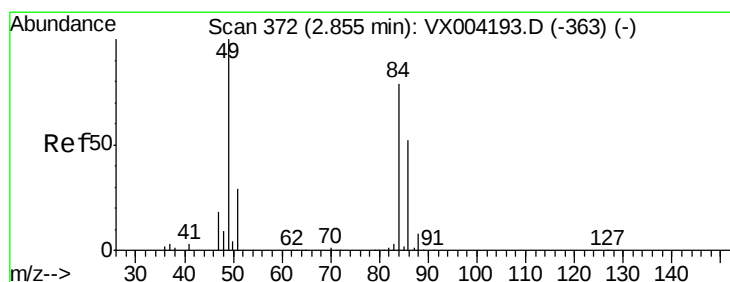
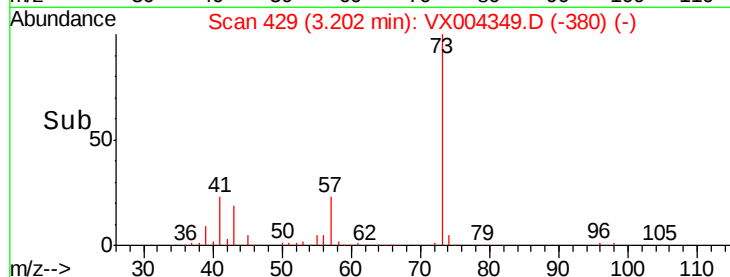
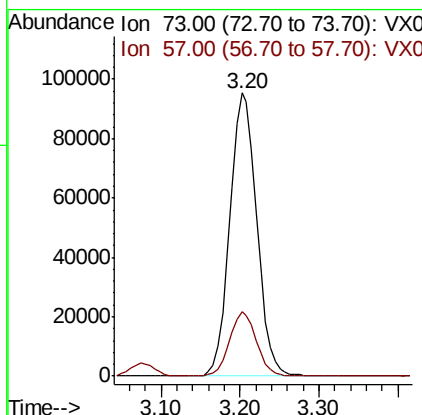
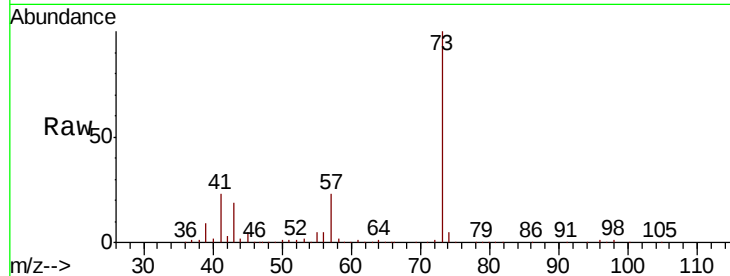
#19
Methvl tert-butvl Ether
Concen: 21.27 ug/l
RT: 3.20 min Scan# 429
Delta R.T. -0.00 min
Lab File: VX004349.D
Acq: 04 Sep 2018 16:12

Instrument :
MSVOA_X
ClientSampleId :
VX0904MBS01

Tot Ion: 73 Resp: 225913
Ion Ratio Lower Upper
73 100
57 22.7 17.1 25.7

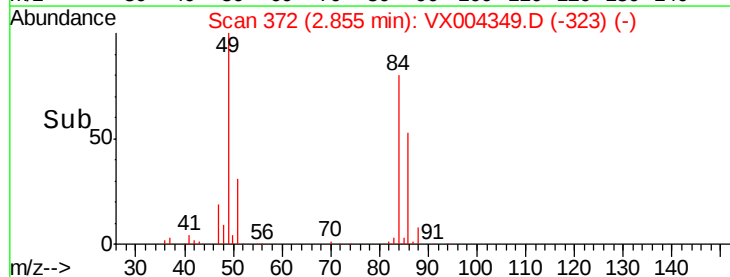
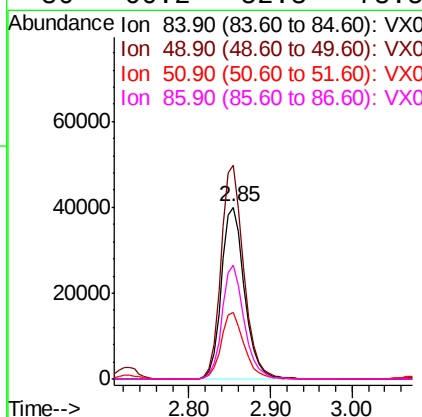
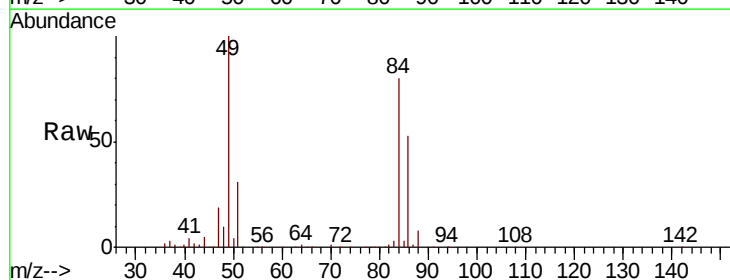
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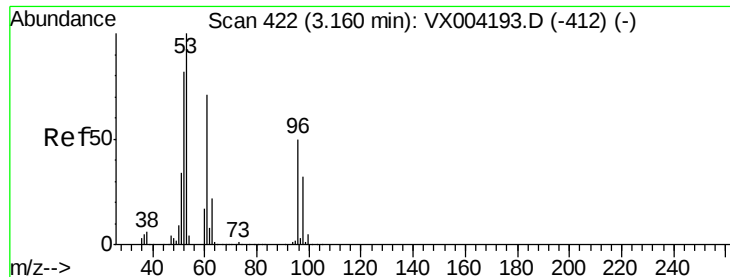
MMDadoda
9/5/2018 4:52:51 PM



#20
Methylene Chloride
Concen: 20.55 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.00 min
Lab File: VX004349.D
Acq: 04 Sep 2018 16:12

Tgt Ion: 84 Resp: 78447
Ion Ratio Lower Upper
84 100
49 124.3 101.2 151.8
51 38.6 29.5 44.3
86 66.2 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 19.41 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.00 min

Lab File: VX004349.D

Acq: 04 Sep 2018 16:12

Instrument :

MSVOA_X

ClientSampleId :

VX0904MBS01

Tot Ion: 96 Resp: 69239

Ion Ratio Lower Upper

96 100

61 136.7 113.8 170.6

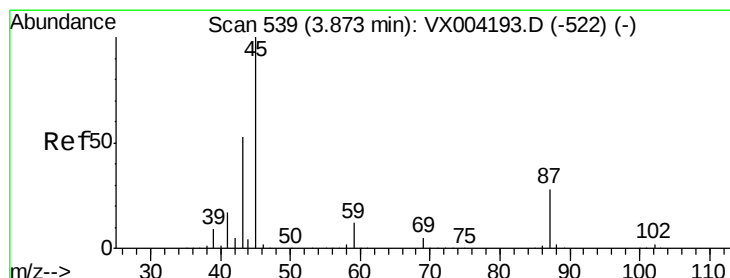
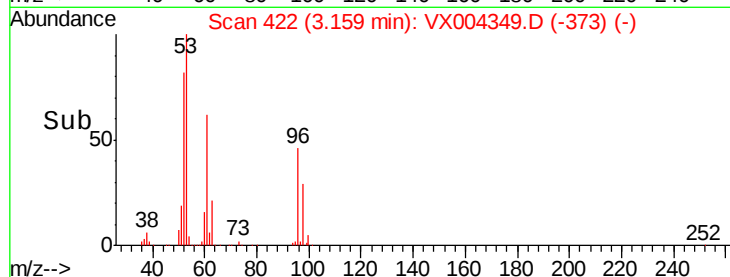
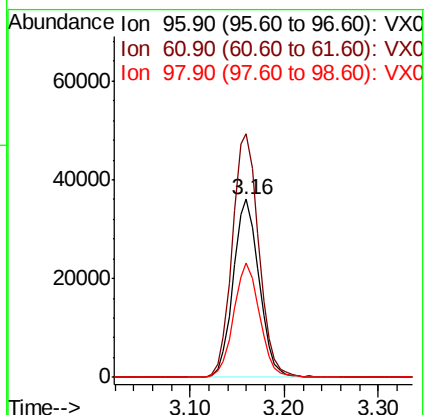
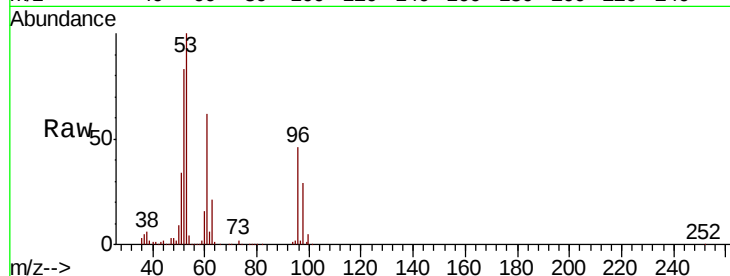
98 64.3 51.8 77.8

Manual Integrations

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#22

Diisopropyl ether

Concen: 20.73 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.00 min

Lab File: VX004349.D

Acq: 04 Sep 2018 16:12

Tgt Ion: 45 Resp: 229184

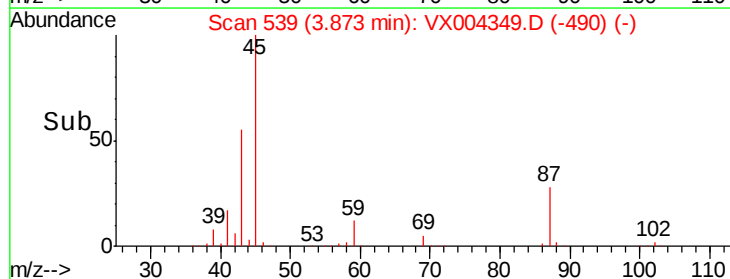
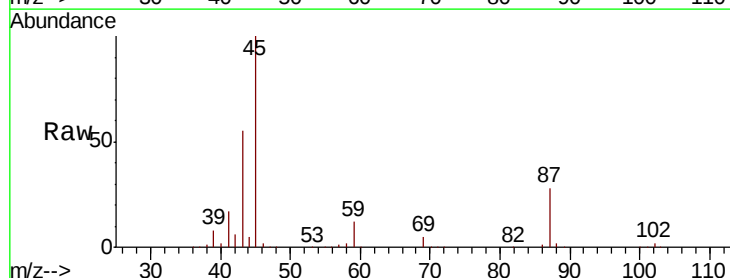
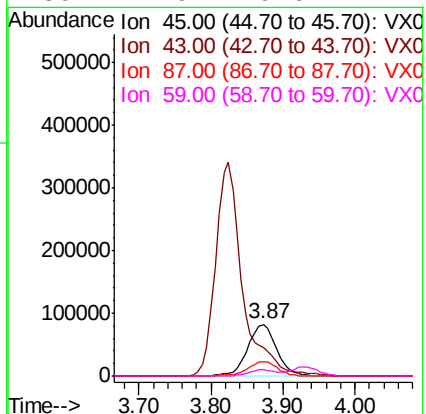
Ion Ratio Lower Upper

45 100

43 54.4 42.8 64.2

87 28.1 22.6 34.0

59 11.9 9.6 14.4





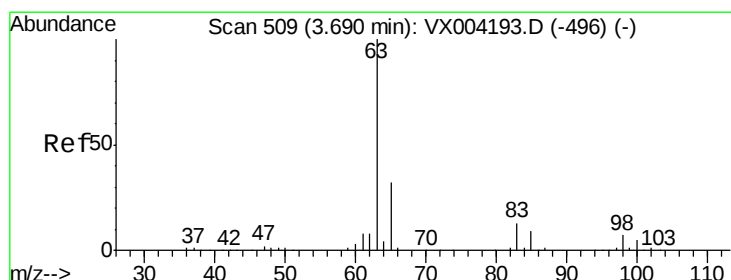
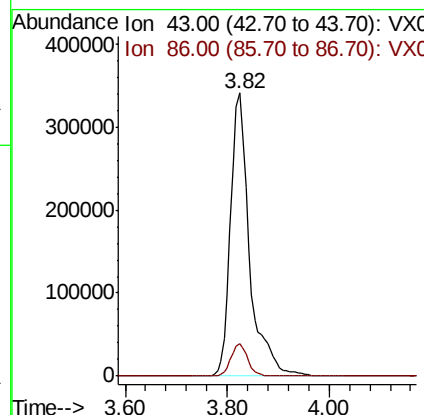
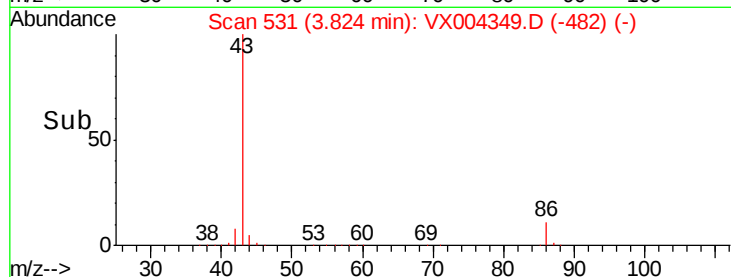
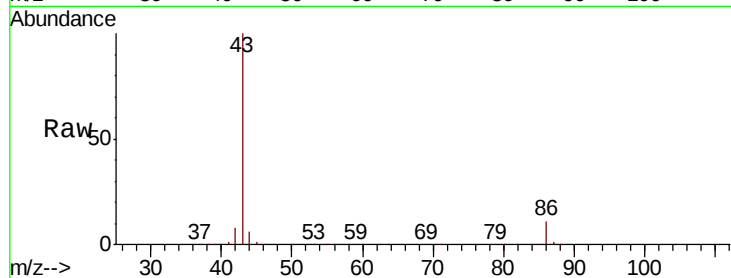
#23
 Vinyl Acetate
 Concen: 98.66 ug/l
 RT: 3.82 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VX004349.D
 Acq: 04 Sep 2018 16:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
86	11.4	8.9	13.3

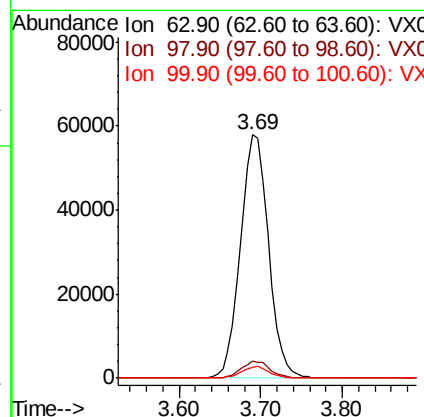
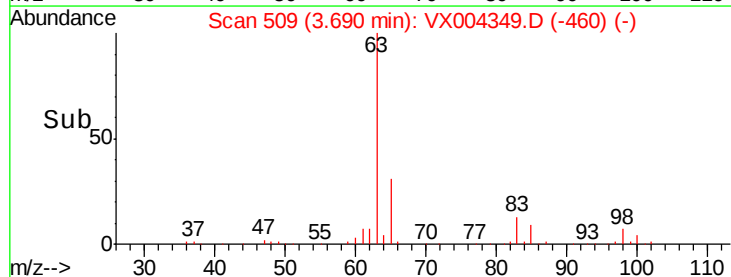
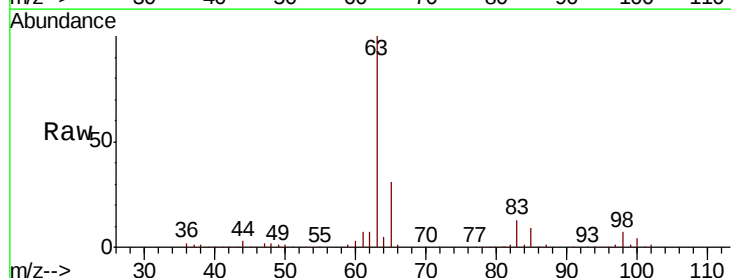
Manual Integrations
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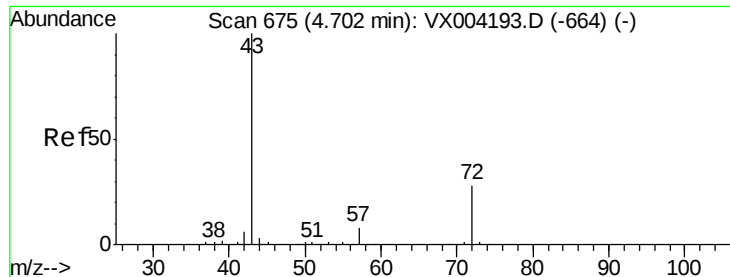
MMDadoda
 9/5/2018 4:52:51 PM



#24
 1,1-Dichloroethane
 Concen: 21.34 ug/l
 RT: 3.69 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VX004349.D
 Acq: 04 Sep 2018 16:12

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.5	10.4
100	4.5	2.4	7.1





#25

2-Butanone

Concen: 110.91 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX004349.D

Acq: 04 Sep 2018 16:12

Instrument :

MSVOA_X

ClientSampleId :

VX0904MBS01

Tot Ion: 43 Resp: 298934

Ion Ratio Lower Upper

43 100

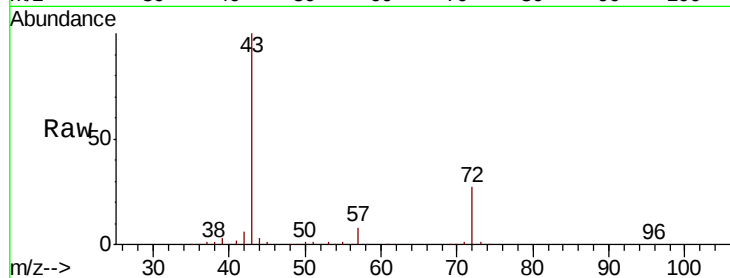
72 26.5 22.0 33.0

Manual Integrations

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9/5/2018 4:52:51 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

120000

100000

80000

60000

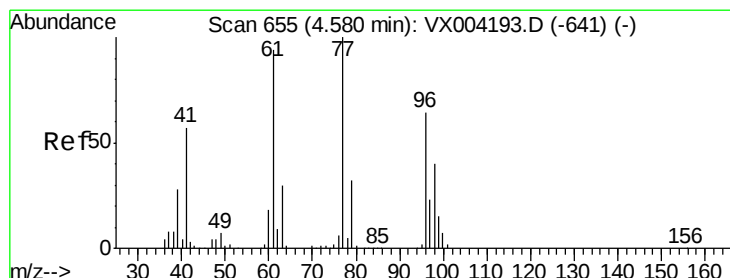
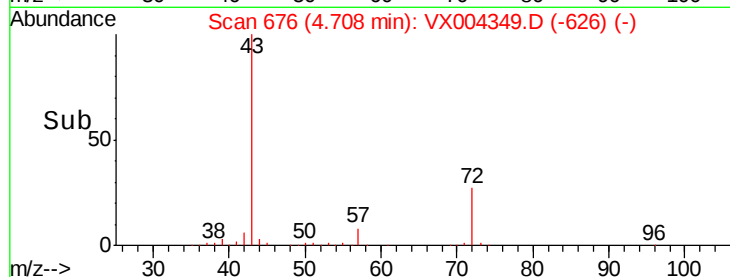
40000

20000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 19.80 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.00 min

Lab File: VX004349.D

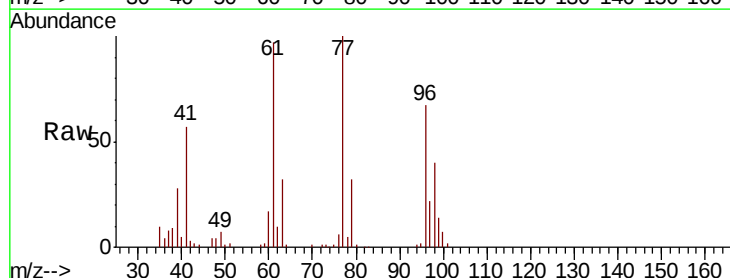
Acq: 04 Sep 2018 16:12

Tgt Ion: 77 Resp: 100064

Ion Ratio Lower Upper

77 100

97 23.4 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

30000

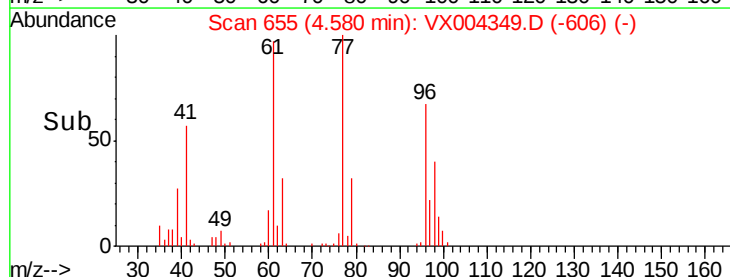
20000

10000

0

4.40 4.50 4.60 4.70

Time-->





#27

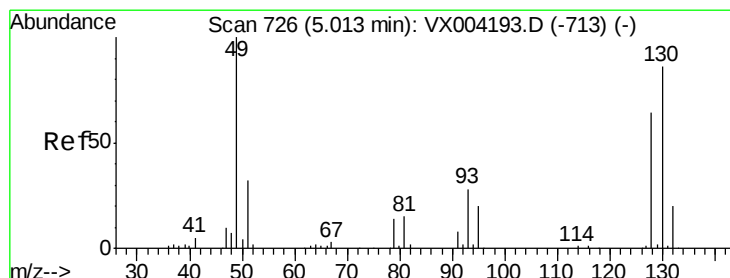
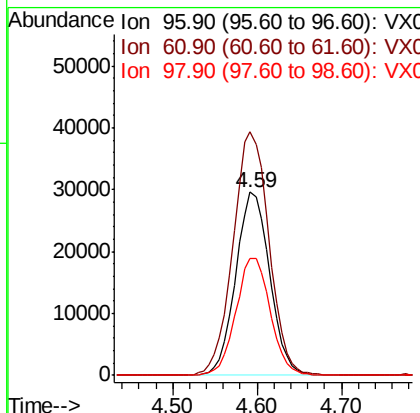
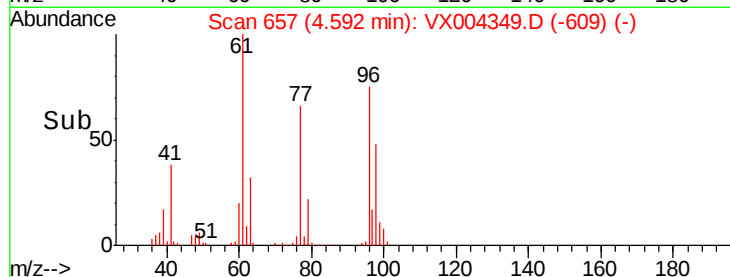
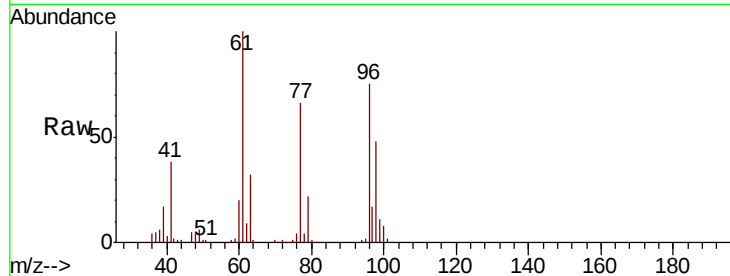
cis-1,2-Dichloroethene
Concen: 19.98 ug/l
RT: 4.59 min Scan# 657
Delta R.T. -0.01 min
Lab File: VX004349.D
Acq: 04 Sep 2018 16:12

Instrument :
MSVOA_X
ClientSampled :
VX0904MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.8	0.0	282.6
98	64.7	0.0	130.2

Manual Integrations
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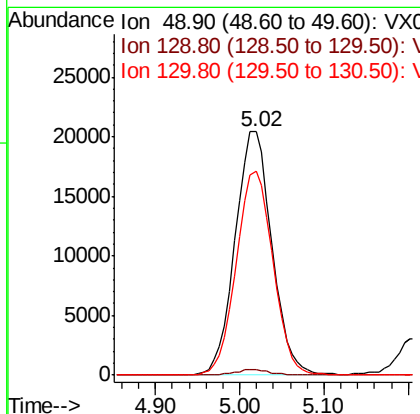
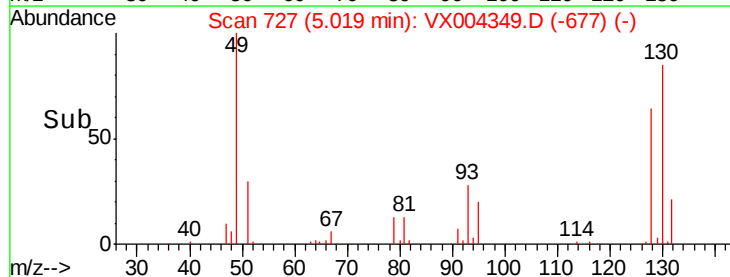
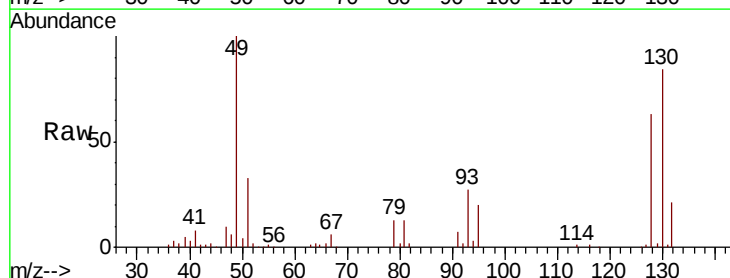
MMDadoda
9/5/2018 4:52:51 PM

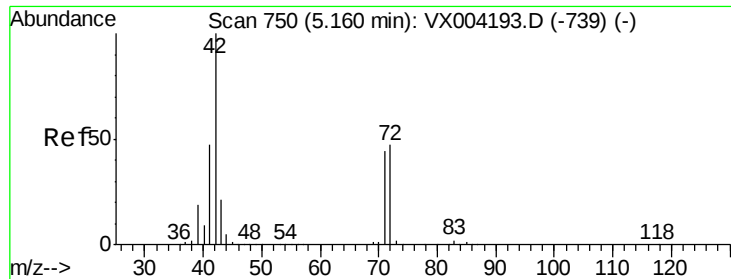


#28

Bromochloromethane
Concen: 21.16 ug/l
RT: 5.02 min Scan# 727
Delta R.T. 0.01 min
Lab File: VX004349.D
Acq: 04 Sep 2018 16:12

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	83.7	67.5	101.3





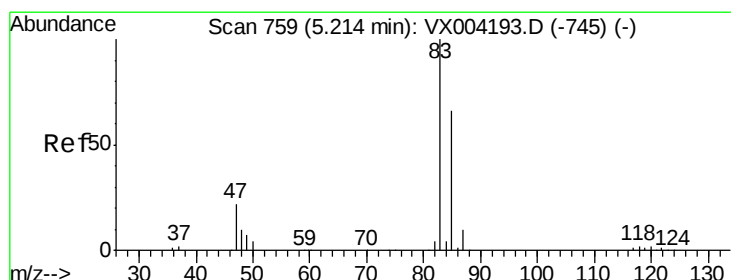
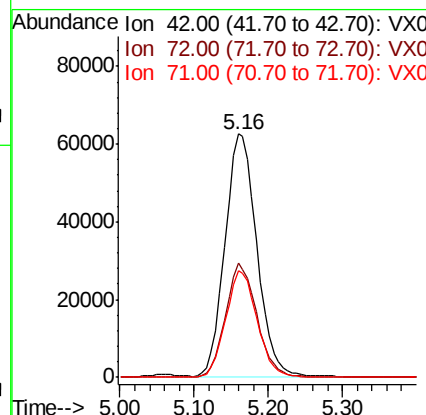
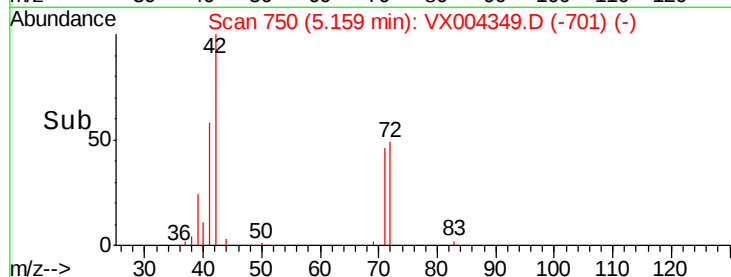
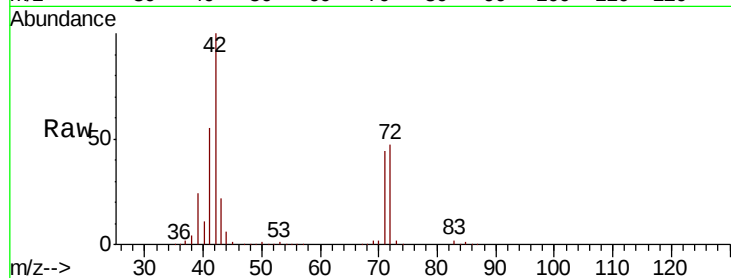
#29
Tetrahydrofuran
Concen: 109.28 ug/l
RT: 5.16 min Scan# 750
Delta R.T. -0.00 min
Lab File: VX004349.D
Acq: 04 Sep 2018 16:12

Instrument :
MSVOA_X
ClientSampleId :
VX0904MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.5	37.4	56.0
71	43.5	34.5	51.7

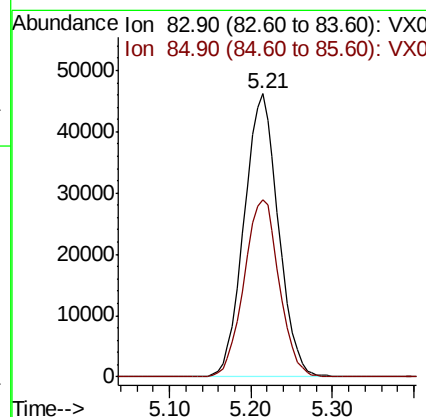
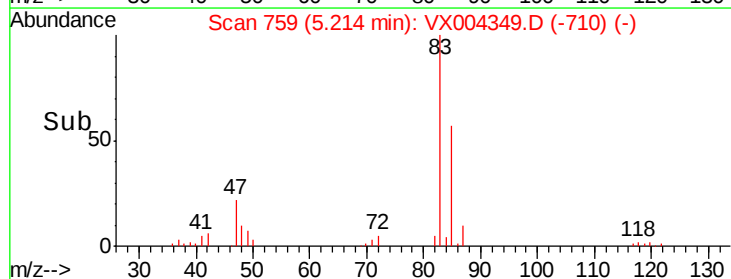
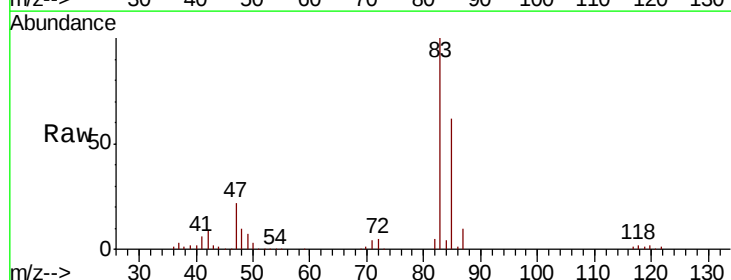
Manual Integrations
APPROVED

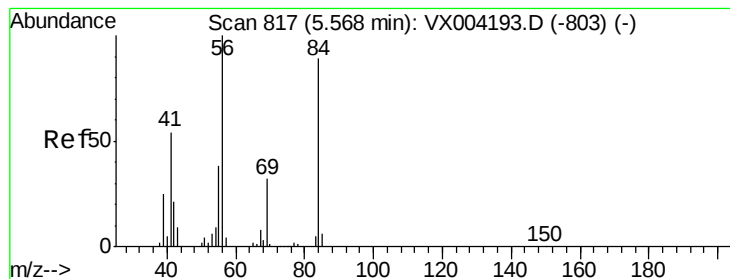
MMDadoda
9/5/2018 4:52:51 PM



#30
Chloroform
Concen: 20.87 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX004349.D
Acq: 04 Sep 2018 16:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.4	52.6	79.0





#31

Cyclohexane

Concen: 19.15 ug/l

RT: 5.57 min Scan# 817

Delta R.T. -0.00 min

Lab File: VX004349.D

Acq: 04 Sep 2018 16:12

Instrument :

MSVOA_X

ClientSampleId :

VX0904MBS01

Tot Ion: 56 Resp: 106461

Ion Ratio Lower Upper

56 100

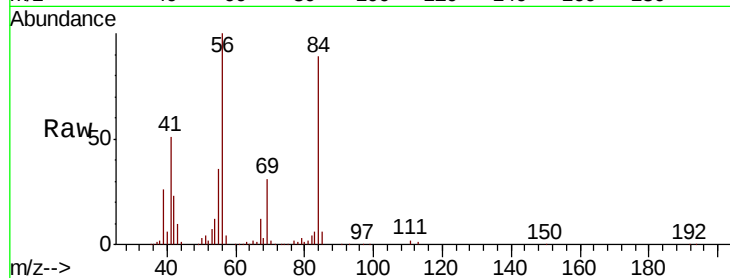
69 31.2 25.4 38.2

84 87.3 71.4 107.2

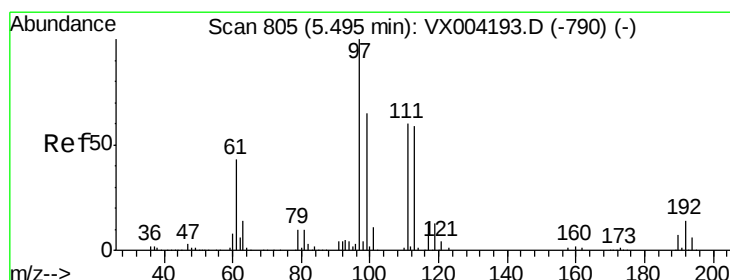
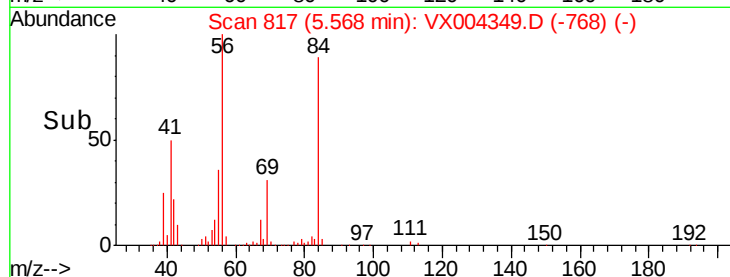
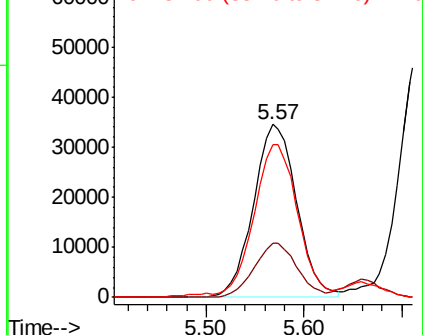
Manual Integrations
APPROVED

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Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 20.42 ug/l

RT: 5.49 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX004349.D

Acq: 04 Sep 2018 16:12

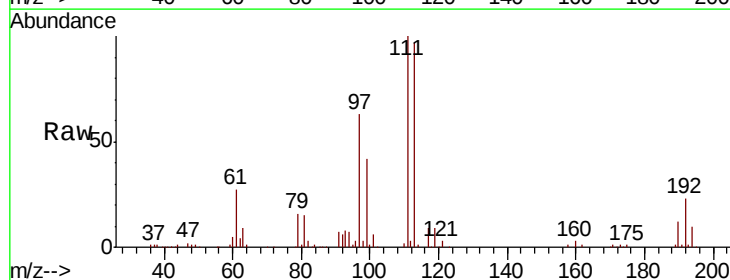
Tgt Ion: 97 Resp: 110009

Ion Ratio Lower Upper

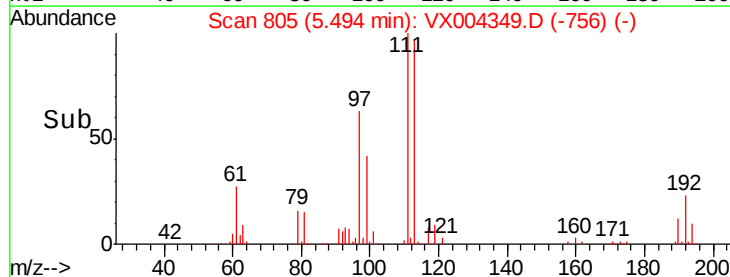
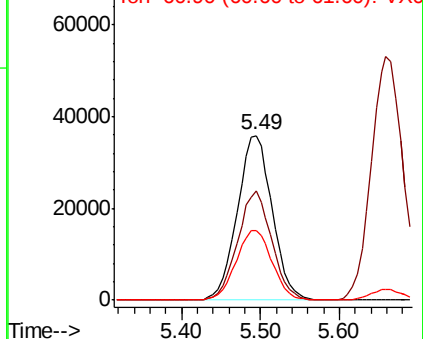
97 100

99 64.8 52.0 78.0

61 43.9 34.9 52.3



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0





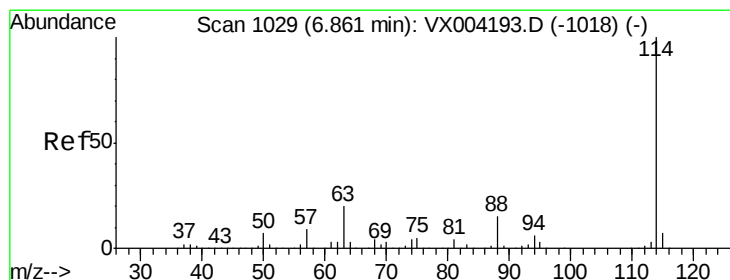
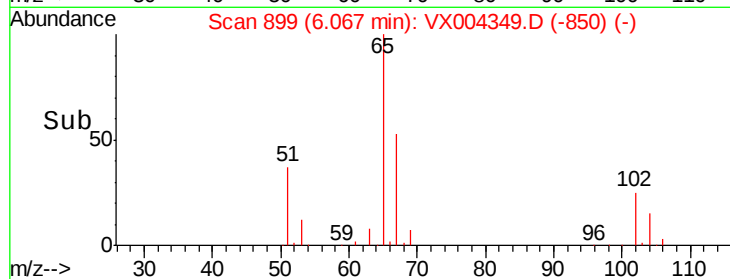
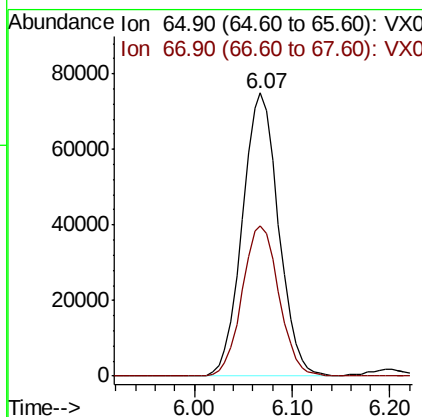
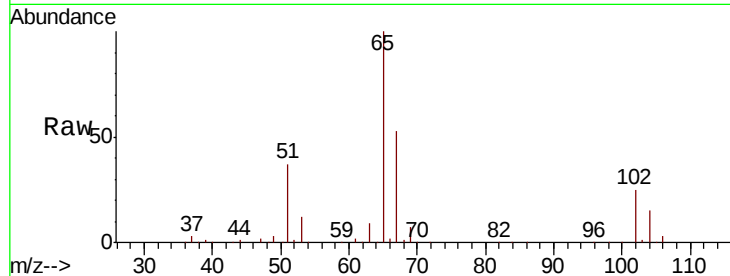
#33
 1,2-Dichloroethane-d4
 Concen: 48.50 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004349.D
 Acq: 04 Sep 2018 16:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904MBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	106.8

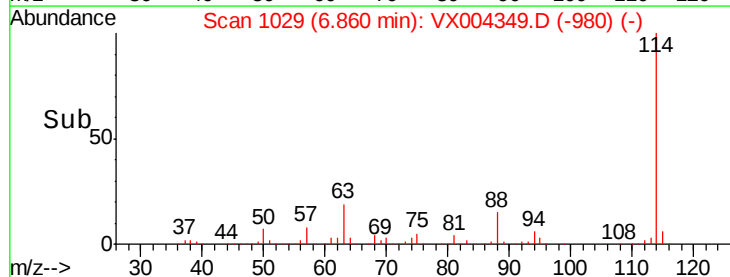
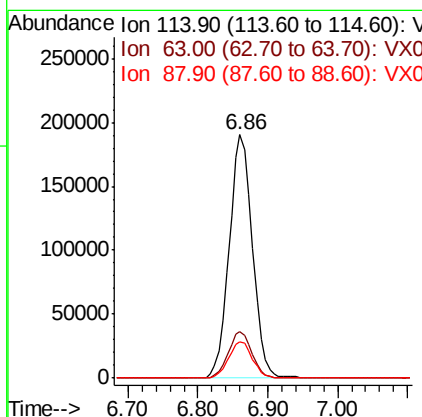
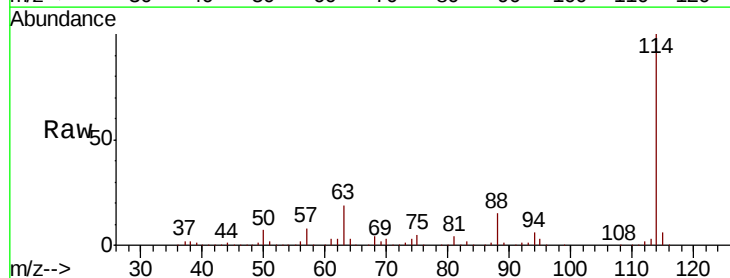
Manual Integrations
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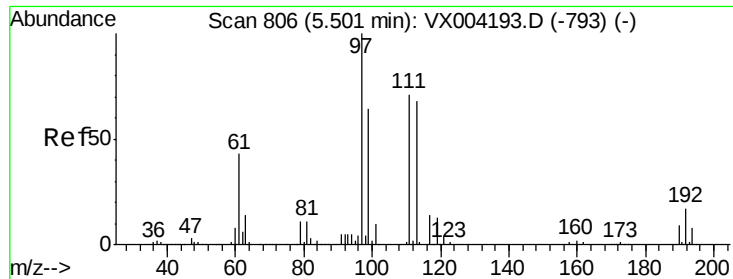
MMDadoda
 9/5/2018 4:52:51 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX004349.D
 Acq: 04 Sep 2018 16:12

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	39.0
88	15.0	0.0	30.4





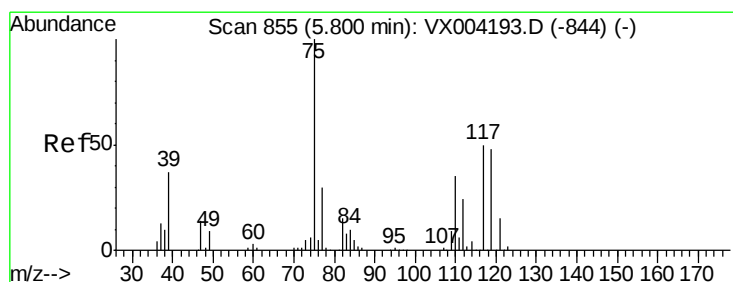
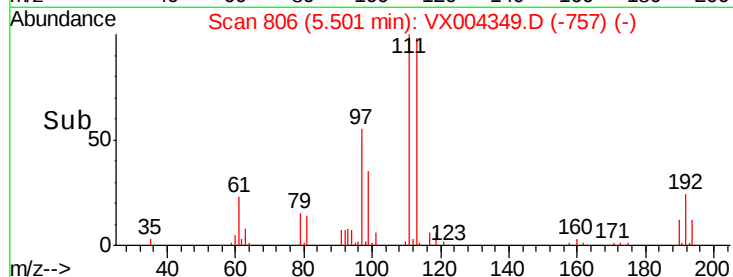
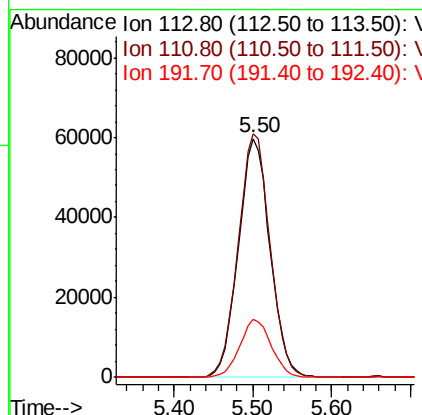
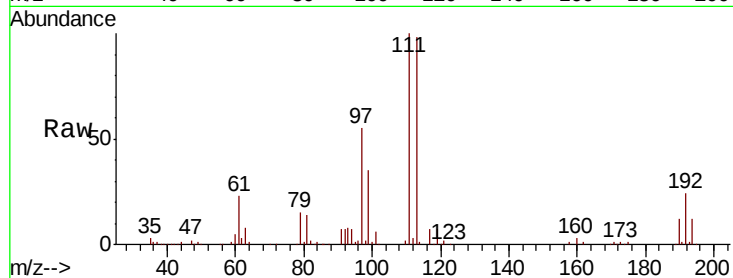
#35
Dibromofluoromethane
Concen: 50.97 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX004349.D
Acq: 04 Sep 2018 16:12

Instrument :
MSVOA_X
ClientSampleId :
VX0904MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	166622		
111	102.8	82.4	123.6	
192	24.1	19.4	29.2	

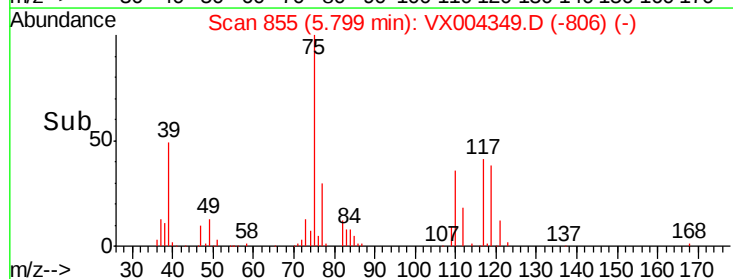
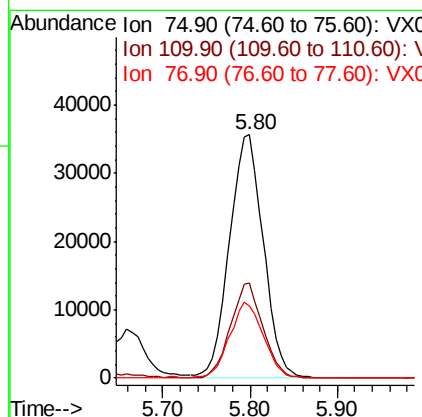
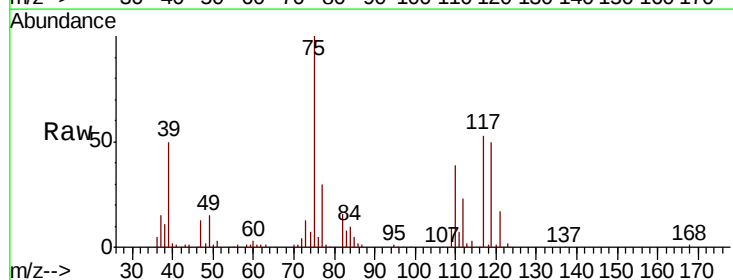
Manual Integrations
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9/5/2018 4:52:51 PM



#36
1,1-Dichloropropene
Concen: 19.31 ug/l
RT: 5.80 min Scan# 855
Delta R.T. -0.00 min
Lab File: VX004349.D
Acq: 04 Sep 2018 16:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	95398		
110	37.5	18.0	54.0	
77	31.4	24.6	36.8	





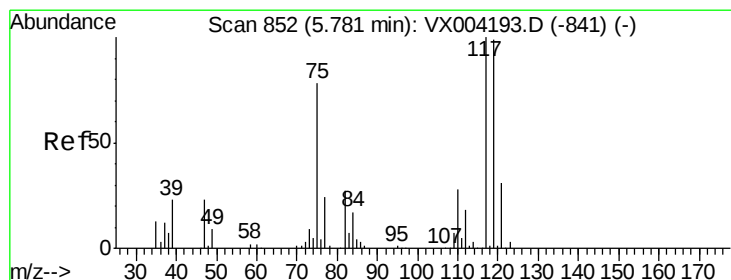
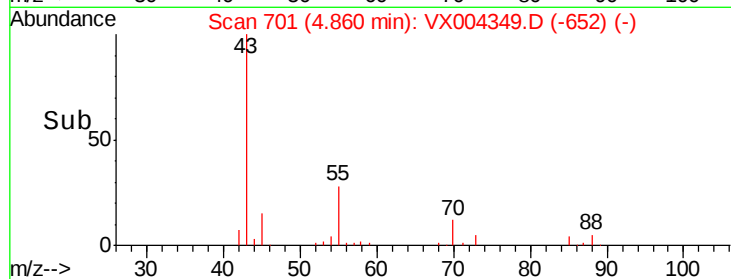
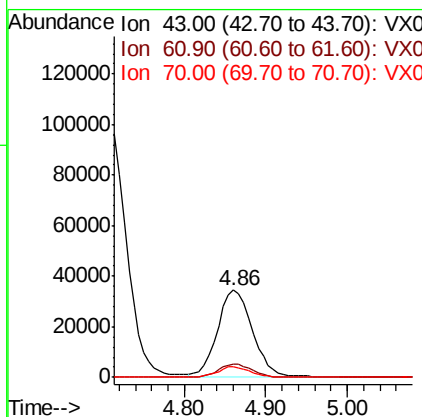
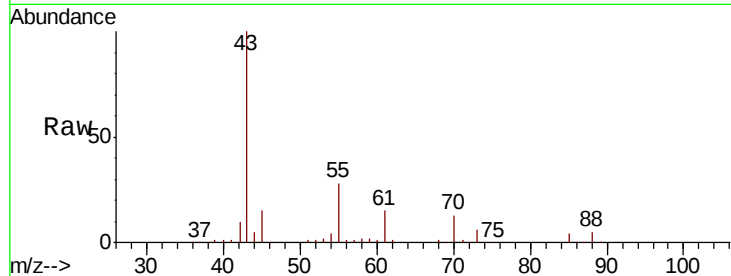
#37
Ethyl Acetate
Concen: 20.93 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.00 min
Lab File: VX004349.D
Acq: 04 Sep 2018 16:12

Instrument :
MSVOA_X
ClientSampleId :
VX0904MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.5	17.3
70	11.8	9.0	13.6

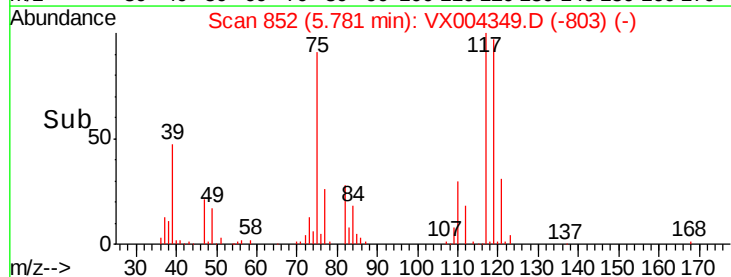
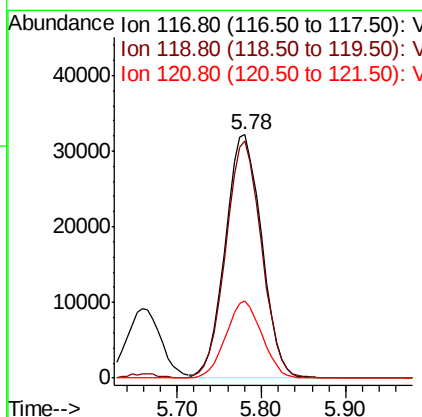
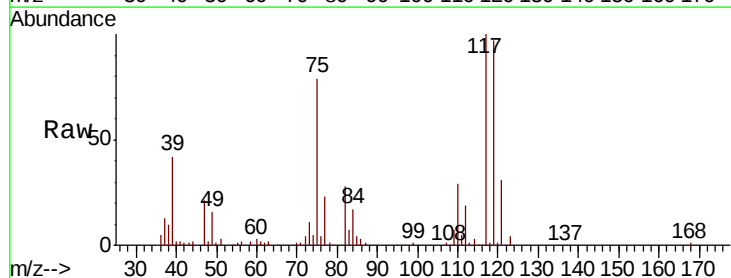
Manual Integrations
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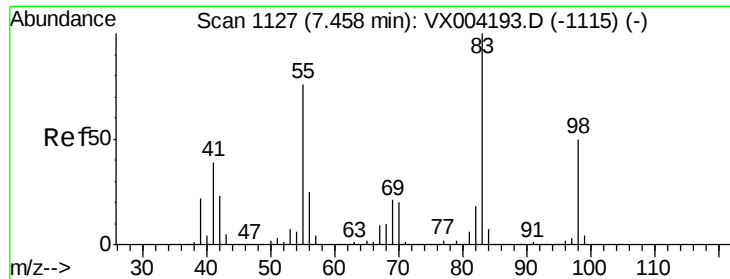
MMDadoda
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#38
Carbon Tetrachloride
Concen: 20.40 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.00 min
Lab File: VX004349.D
Acq: 04 Sep 2018 16:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	78.8	118.2
121	31.5	24.9	37.3





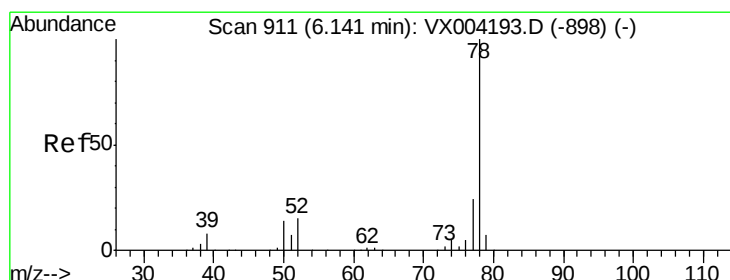
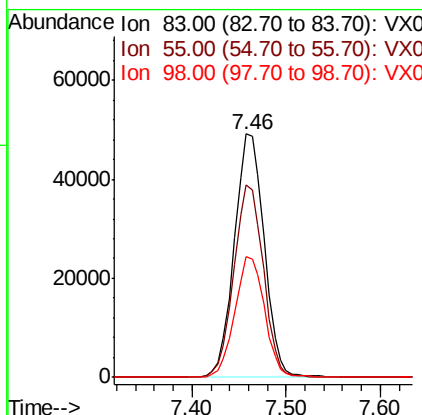
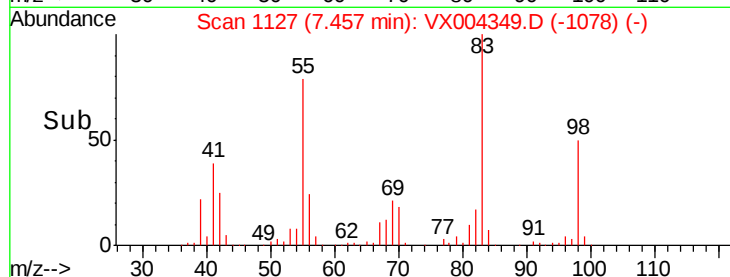
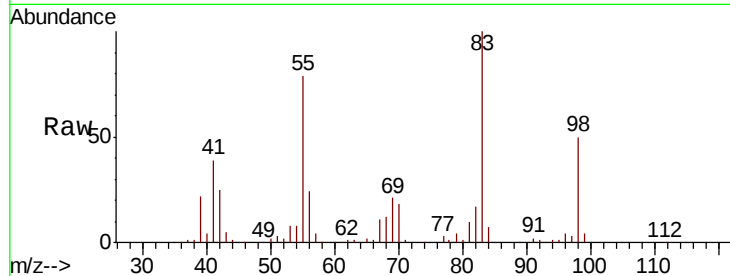
#39
Methylvlcyclohexane
Concen: 19.21 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VX004349.D
Acq: 04 Sep 2018 16:12

Instrument :
MSVOA_X
ClientSampleId :
VX0904MBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	108376		
55	78.9		61.0	91.4
98	49.7		39.6	59.4

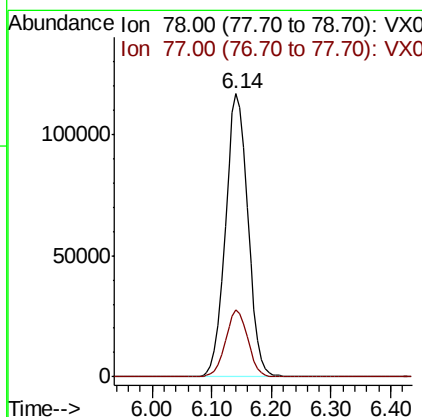
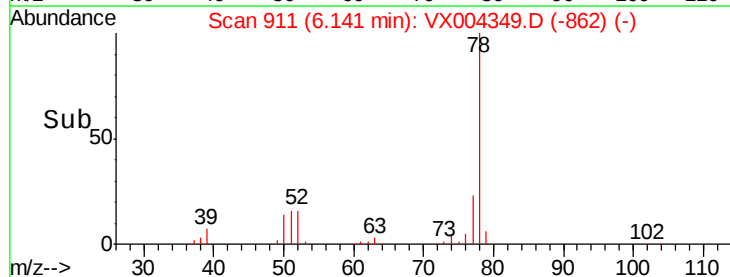
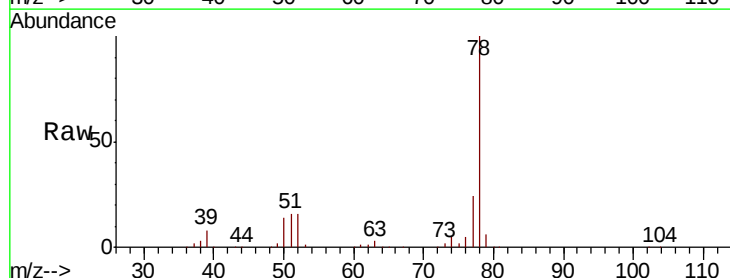
Manual Integrations
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#40
Benzene
Concen: 20.72 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.00 min
Lab File: VX004349.D
Acq: 04 Sep 2018 16:12

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	305825		
77	23.6		19.0	28.4





#41

Methacrylonitrile

Concen: 21.38 ug/l

RT: 5.06 min Scan# 734

Delta R.T. -0.00 min

Lab File: VX004349.D

Acq: 04 Sep 2018 16:12

Instrument :

MSVOA_X

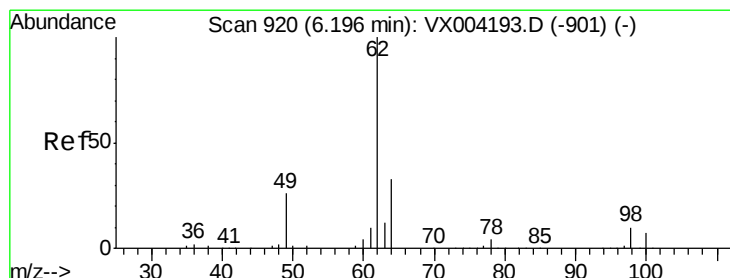
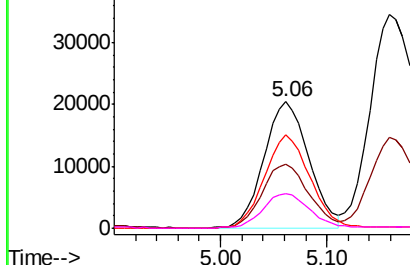
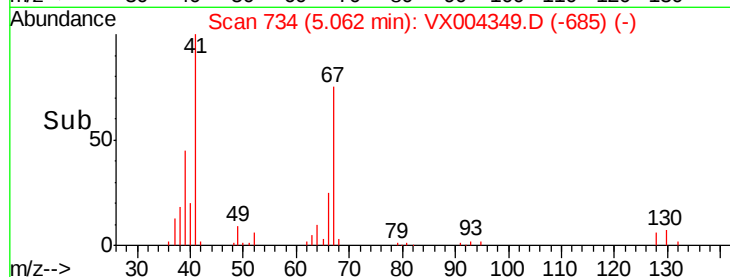
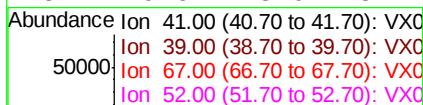
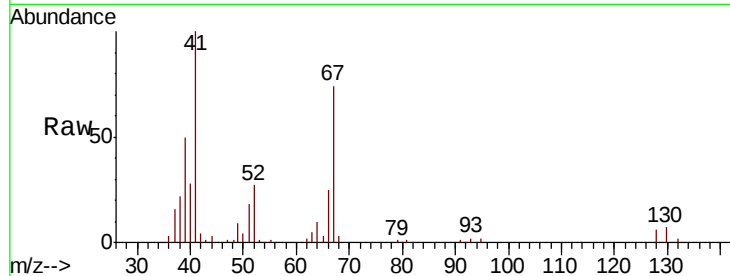
ClientSampleId :

VX0904MBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.6	42.4	63.6	
67	74.7	59.2	88.8	
52	29.6	23.0	34.4	

Manual Integrations
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9/5/2018 4:52:51 PM



#42

1,2-Dichloroethane

Concen: 20.46 ug/l

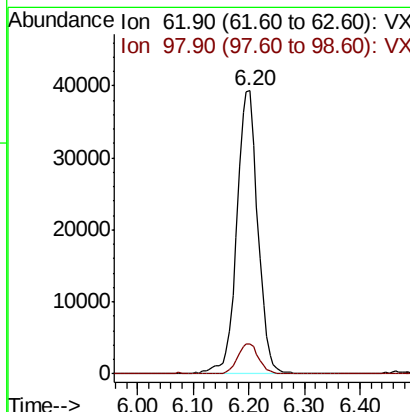
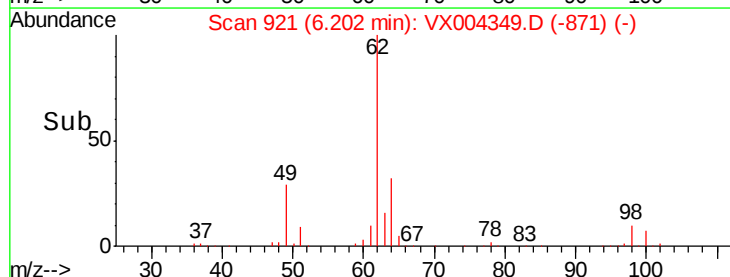
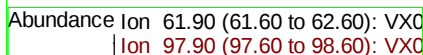
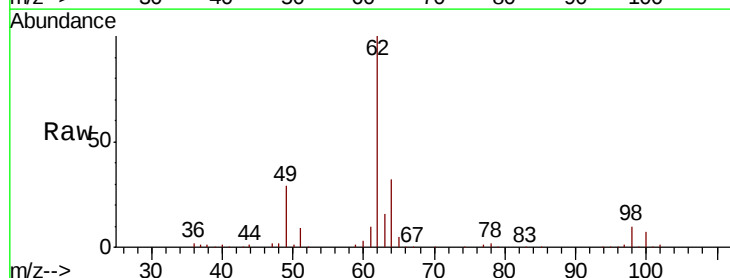
RT: 6.20 min Scan# 921

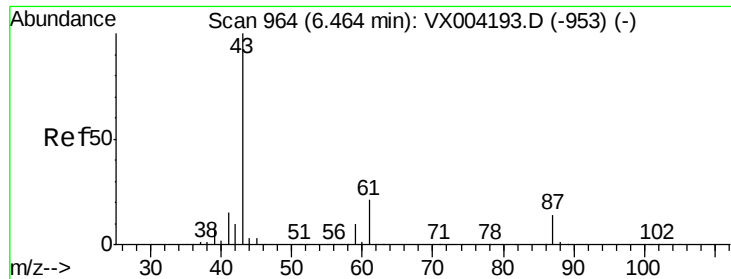
Delta R.T. 0.01 min

Lab File: VX004349.D

Acq: 04 Sep 2018 16:12

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.6	0.0	20.6	





#43

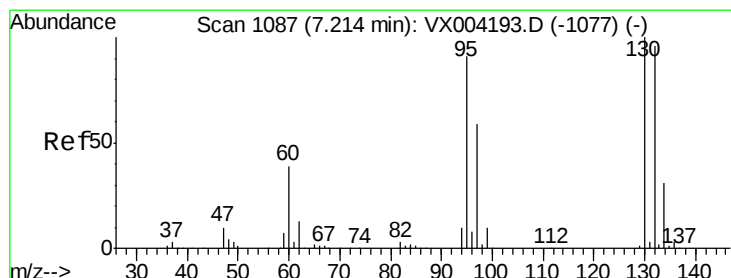
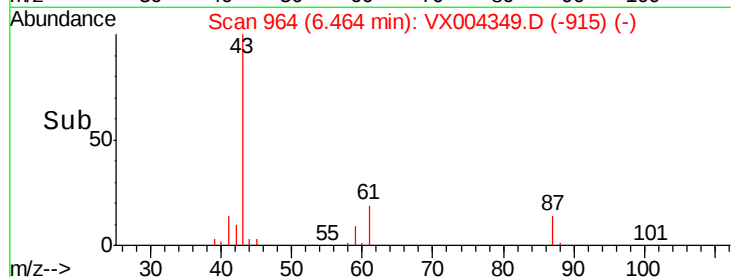
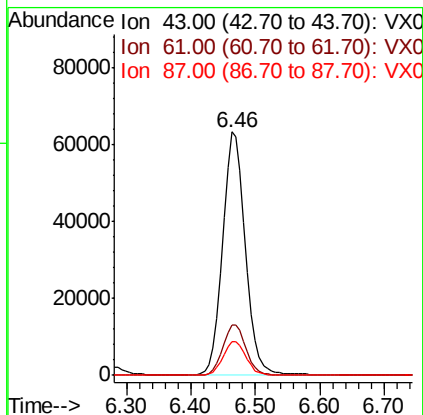
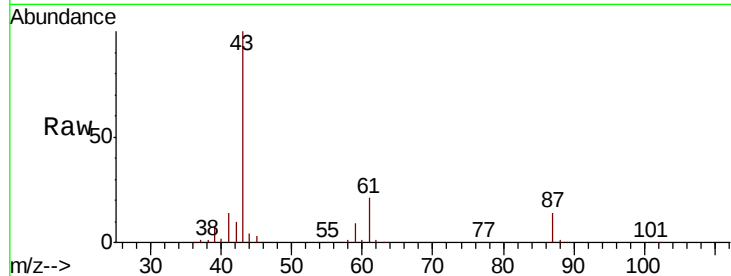
Isopropyl Acetate
 Concen: 21.17 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VX004349.D
 Acq: 04 Sep 2018 16:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.1	17.0	25.4
87	14.1	11.4	17.2

Manual Integrations
 APPROVED

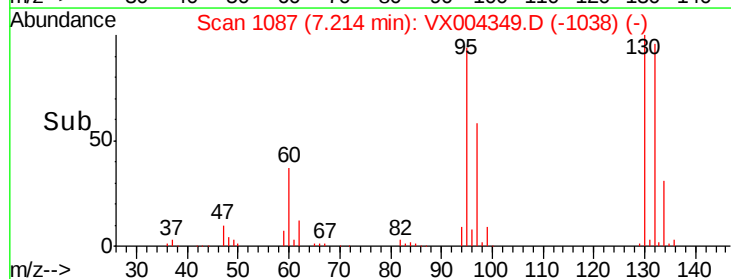
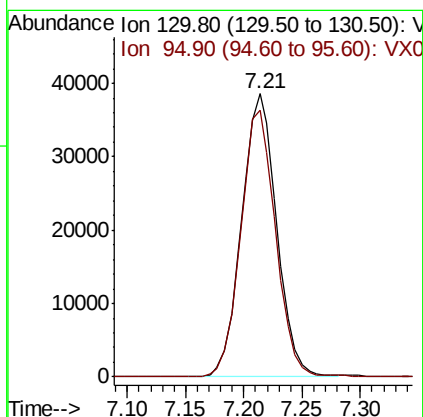
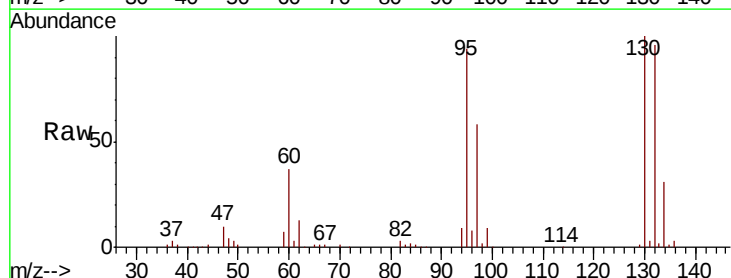
MMDadoda
 9/5/2018 4:52:51 PM

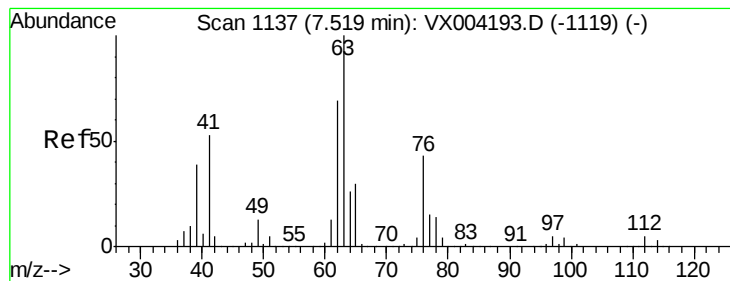


#44

Trichloroethene
 Concen: 19.78 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX004349.D
 Acq: 04 Sep 2018 16:12

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.5	0.0	181.6





#45

1,2-Dichloropropane

Concen: 21.15 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX004349.D

Acq: 04 Sep 2018 16:12

Instrument :

MSVOA_X

ClientSampleId :

VX0904MBS01

Tot Ion: 63 Resp: 78121

Ion Ratio Lower Upper

63 100

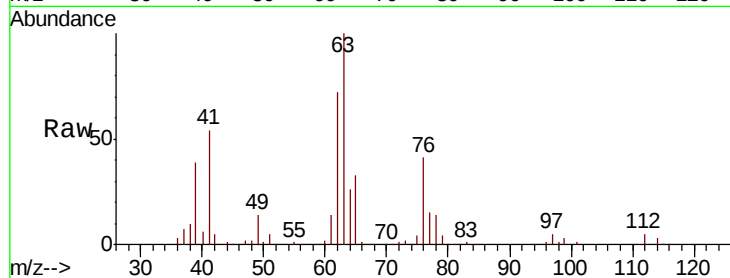
65 32.8 24.3 36.5

Manual Integrations

APPROVED

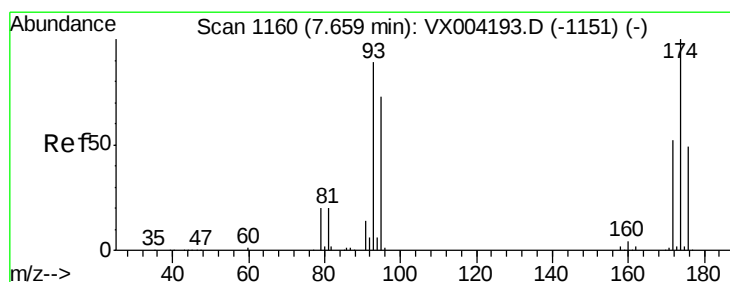
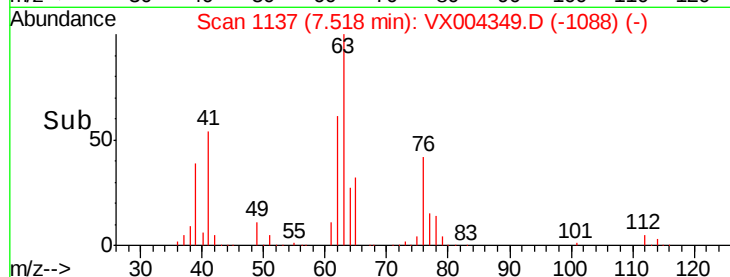
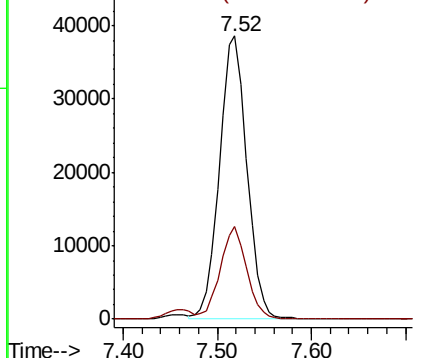
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 20.38 ug/l

RT: 7.66 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VX004349.D

Acq: 04 Sep 2018 16:12

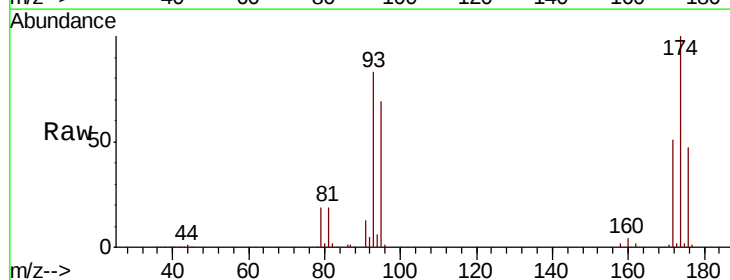
Tgt Ion: 93 Resp: 50130

Ion Ratio Lower Upper

93 100

95 83.3 65.5 98.3

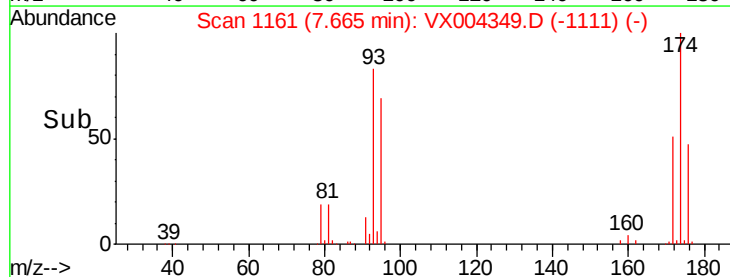
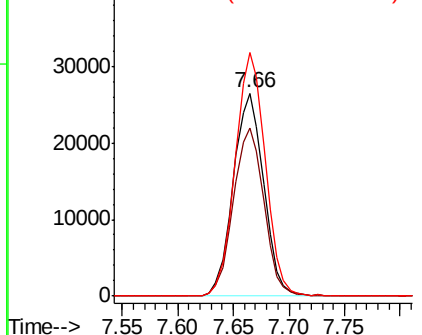
174 119.0 94.2 141.4



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.86 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VX004349.D

Acq: 04 Sep 2018 16:12

Instrument :

MSVOA_X

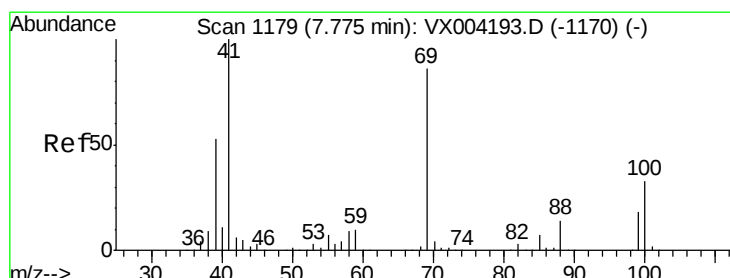
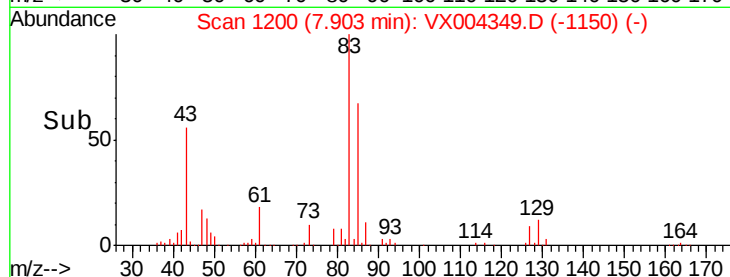
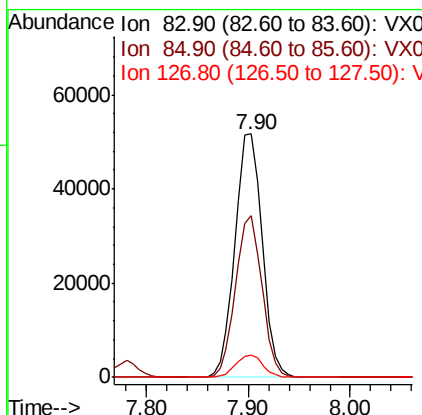
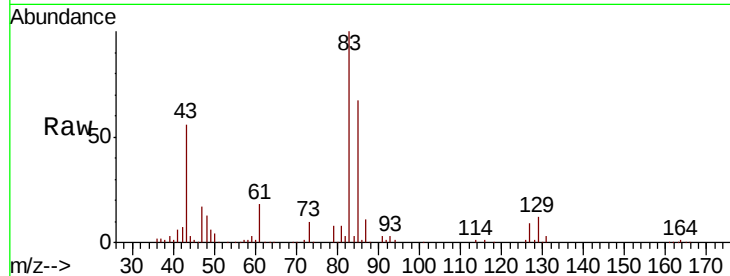
ClientSampleId :

VX0904MBS01

Tot Ion:	83	Resp:	95470
Ion	Ratio	Lower	Upper
83	100		
85	66.6	50.9	76.3
127	9.2	7.3	10.9

Manual Integrations
APPROVED

MMDadoda
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#48

Methyl methacrylate

Concen: 21.02 ug/l

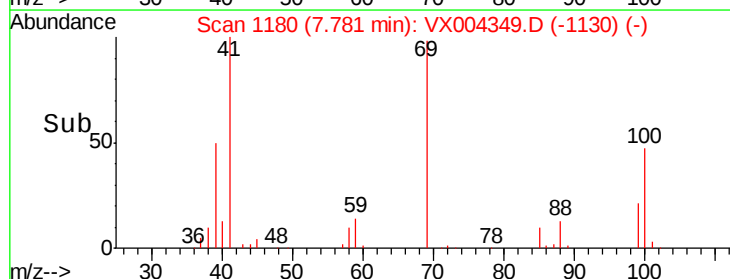
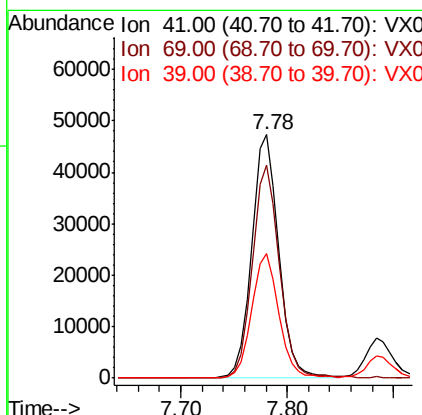
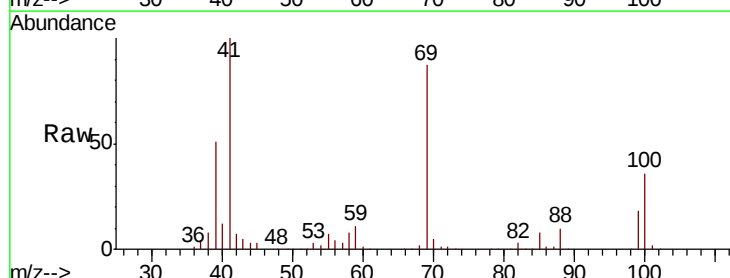
RT: 7.78 min Scan# 1180

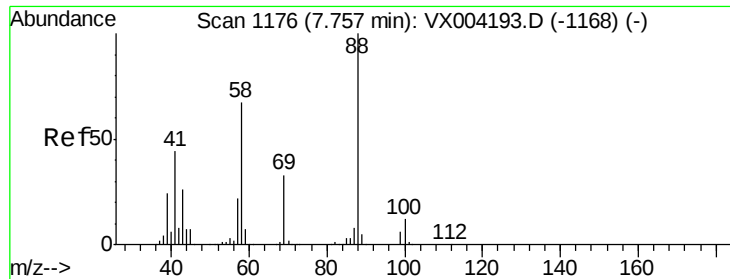
Delta R.T. 0.01 min

Lab File: VX004349.D

Acq: 04 Sep 2018 16:12

Tgt Ion:	41	Resp:	83972
Ion	Ratio	Lower	Upper
41	100		
69	88.1	70.2	105.4
39	51.8	42.7	64.1





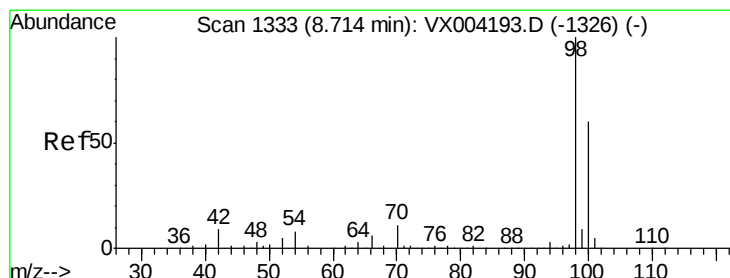
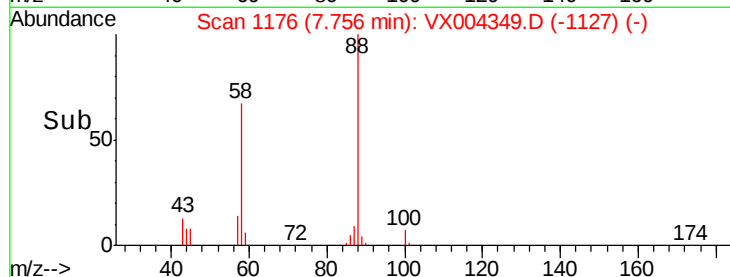
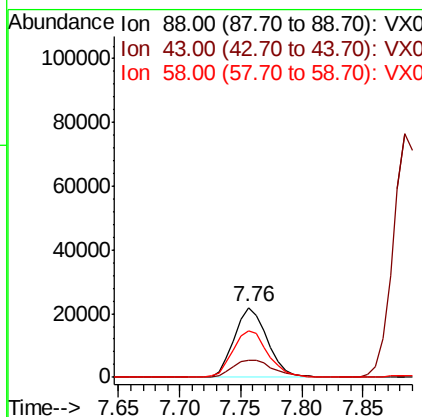
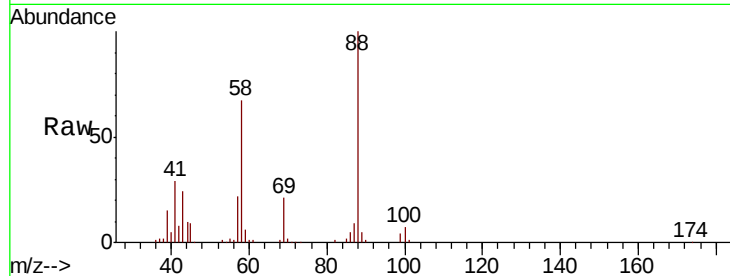
#49
1,4-Dioxane
Concen: 453.24 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX004349.D
Acq: 04 Sep 2018 16:12

Instrument :
MSVOA_X
ClientSampleId :
VX0904MBS01

Tot Ion	88	Resp	41107
Ion	Ratio	Lower	Upper
88	100		
43	30.3	24.7	37.1
58	71.4	55.3	82.9

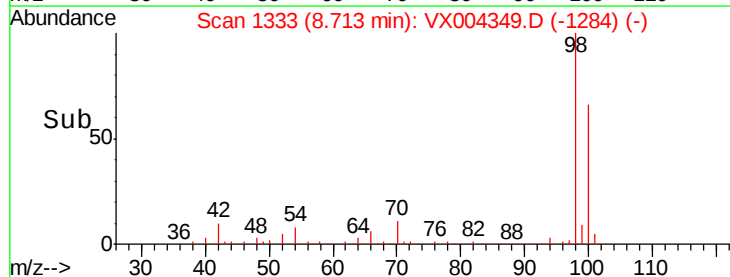
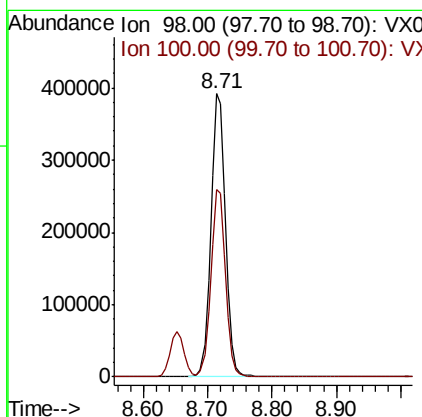
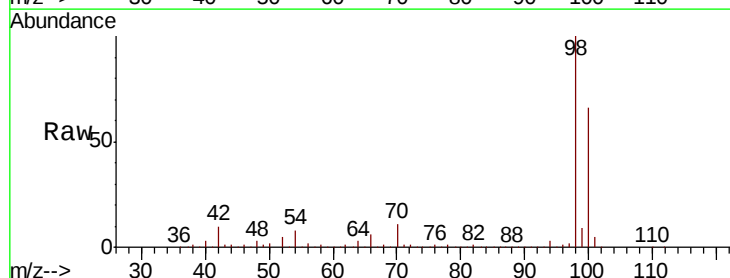
Manual Integrations
APPROVED

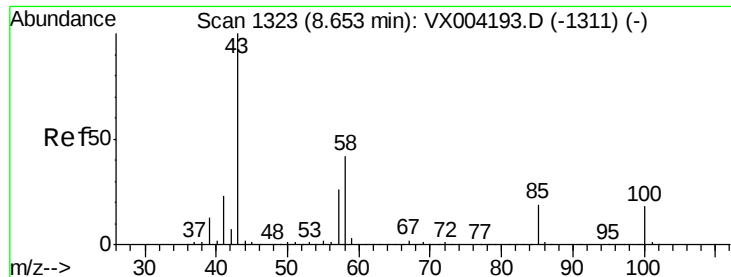
MMDadoda
9/5/2018 4:52:51 PM



#50
Toluene-d8
Concen: 50.32 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.00 min
Lab File: VX004349.D
Acq: 04 Sep 2018 16:12

Tgt Ion	98	Resp	620964
Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 103.80 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX004349.D

Acq: 04 Sep 2018 16:12

Instrument :

MSVOA_X

ClientSampleId :

VX0904MBS01

Tot Ion: 43 Resp: 563048

Ion Ratio Lower Upper

43 100

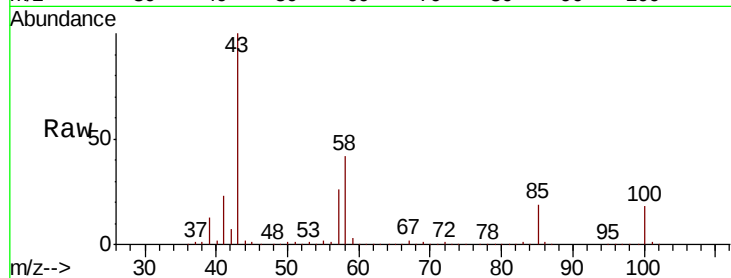
58 41.4 33.1 49.7

Manual Integrations

APPROVED

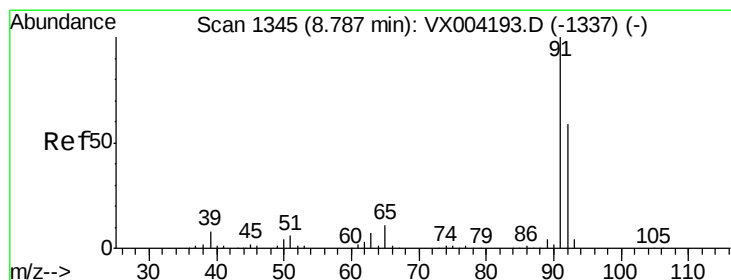
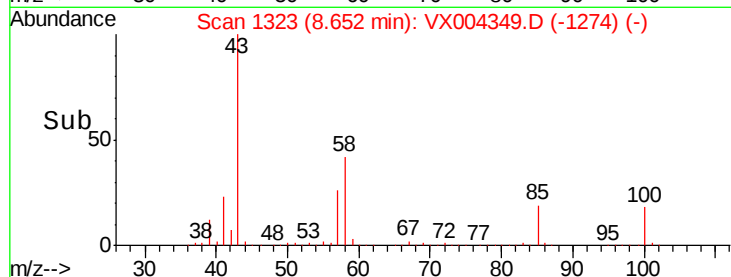
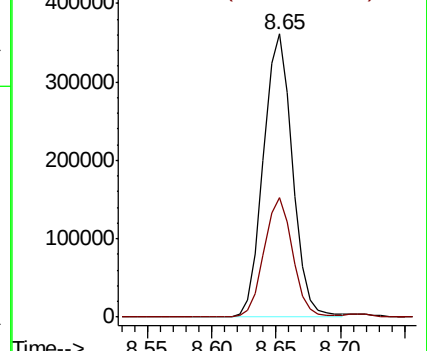
MMDadoda

9/5/2018 4:52:51 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 20.86 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX004349.D

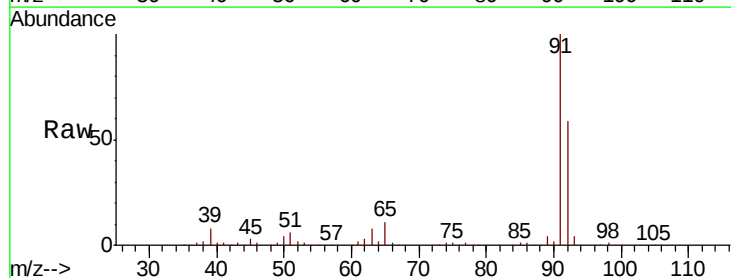
Acq: 04 Sep 2018 16:12

Tgt Ion: 92 Resp: 192729

Ion Ratio Lower Upper

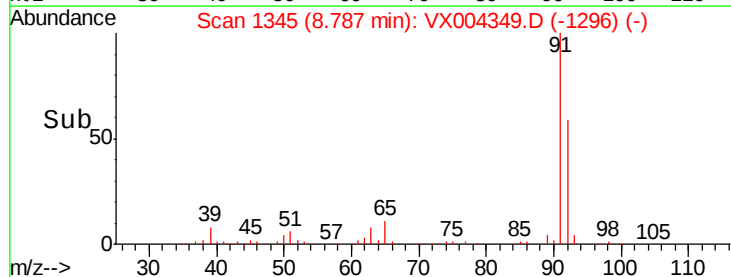
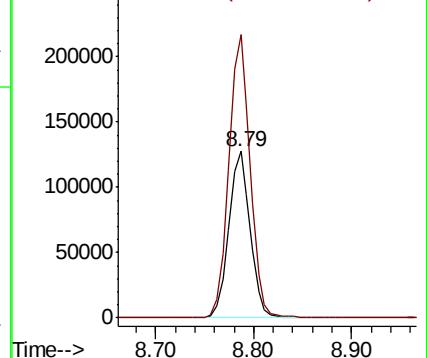
92 100

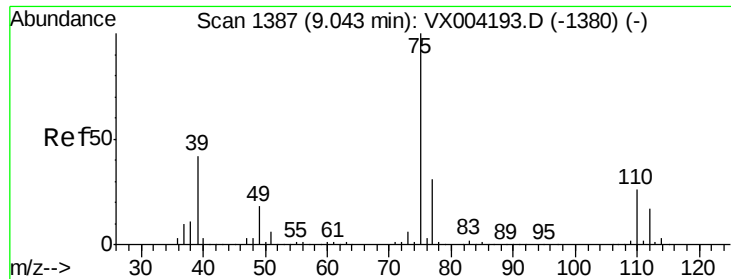
91 169.8 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





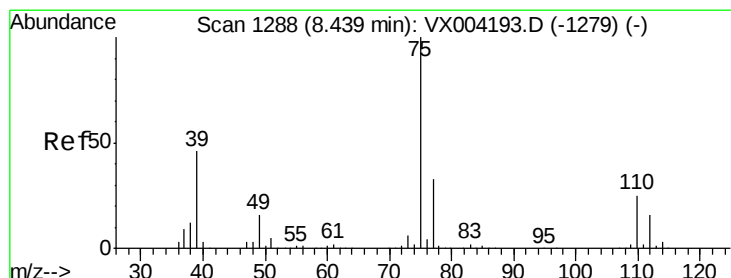
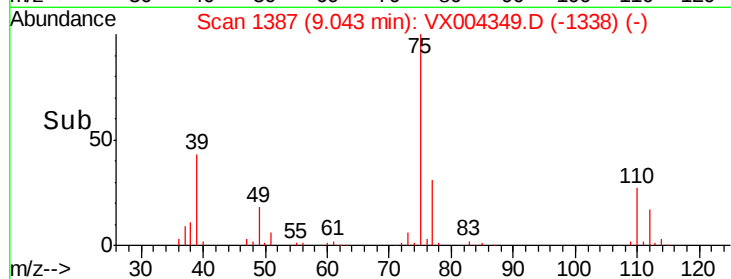
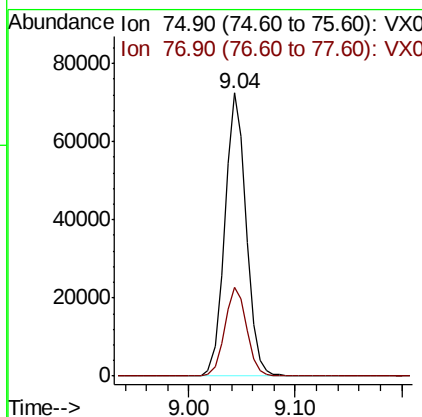
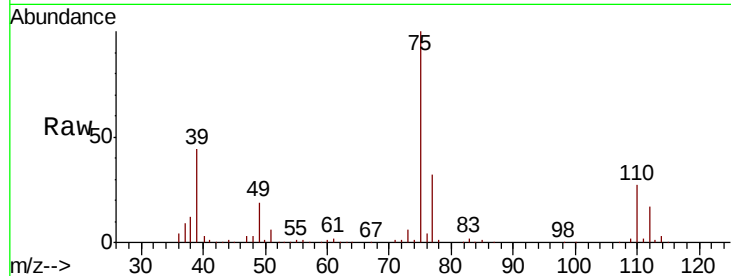
#53
t-1,3-Dichloropropene
Concen: 20.15 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VX004349.D
Acq: 04 Sep 2018 16:12

Instrument :
MSVOA_X
ClientSampleId :
VX0904MBS01

Tot Ion: 75 Resp: 101859
Ion Ratio Lower Upper
75 100
77 31.5 24.6 37.0

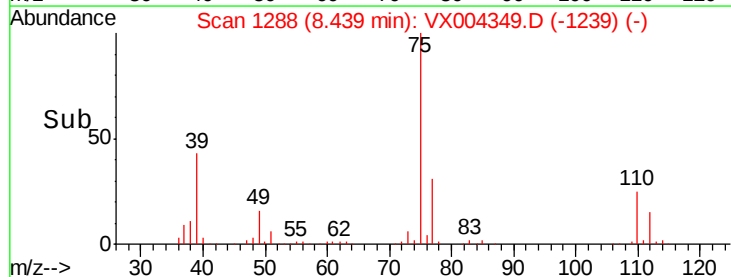
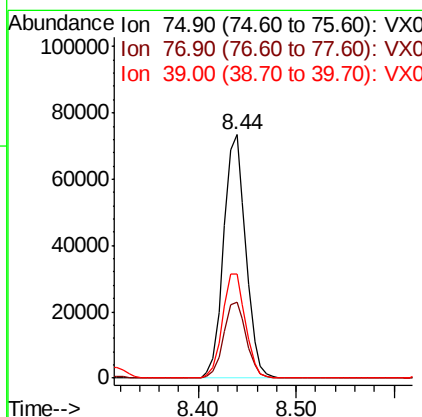
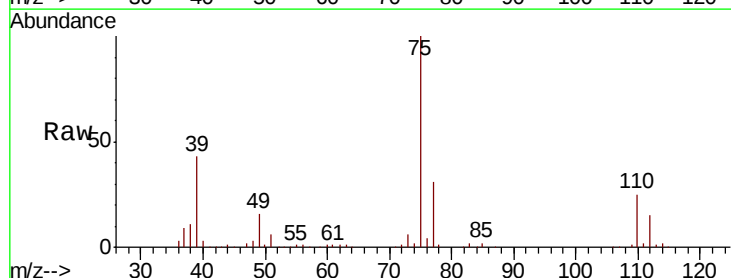
Manual Integrations
APPROVED

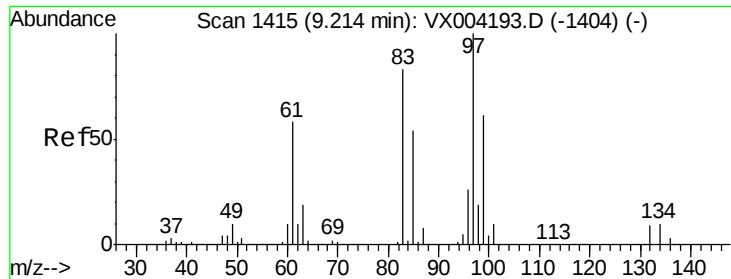
MMDadoda
9/5/2018 4:52:51 PM



#54
cis-1,3-Dichloropropene
Concen: 20.94 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX004349.D
Acq: 04 Sep 2018 16:12

Tgt Ion: 75 Resp: 115302
Ion Ratio Lower Upper
75 100
77 31.3 26.2 39.2
39 42.6 36.4 54.6





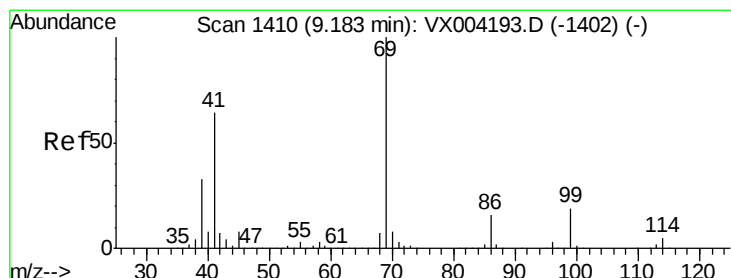
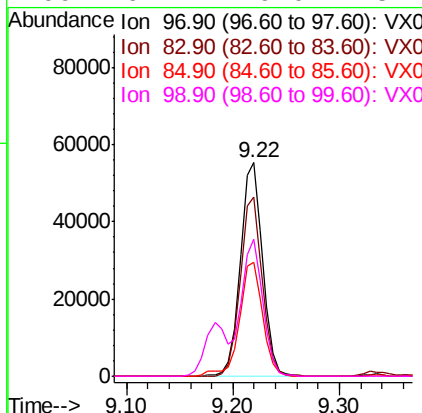
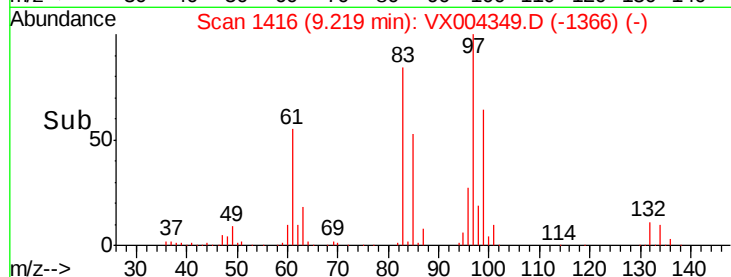
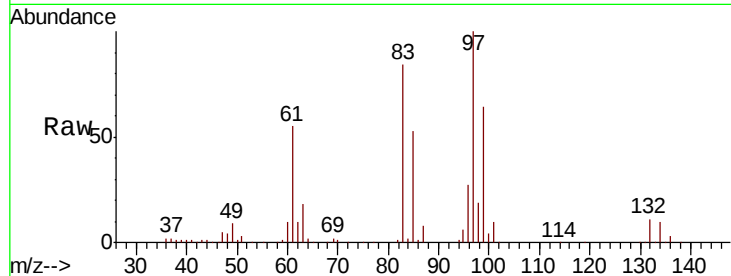
#55
1,1,2-Trichloroethane
Concen: 21.68 ug/l
RT: 9.22 min Scan# 1416
Delta R.T. 0.01 min
Lab File: VX004349.D
Acq: 04 Sep 2018 16:12

Instrument :
MSVOA_X
ClientSampleId :
VX0904MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		80860		
83	83.7	66.4	99.6		
85	53.2	43.3	64.9		
99	64.1	49.0	73.4		

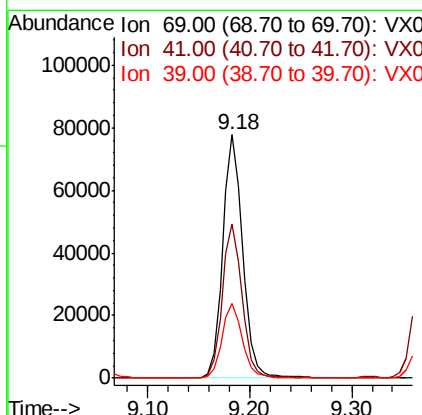
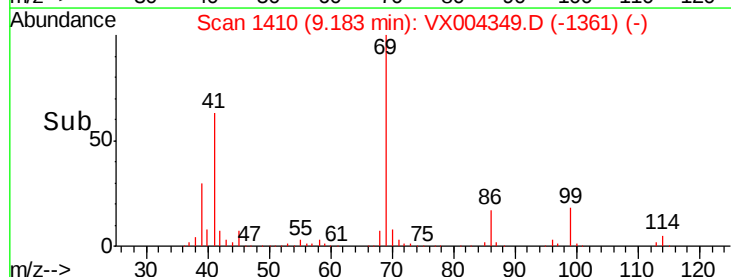
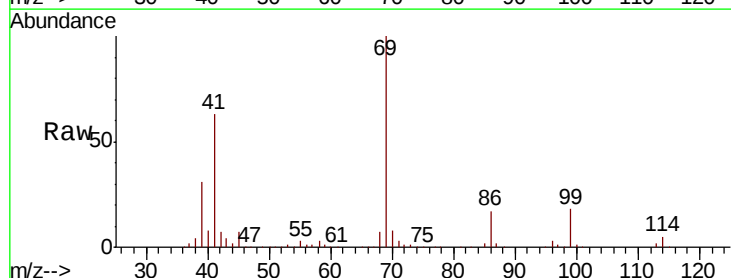
Manual Integrations
APPROVED

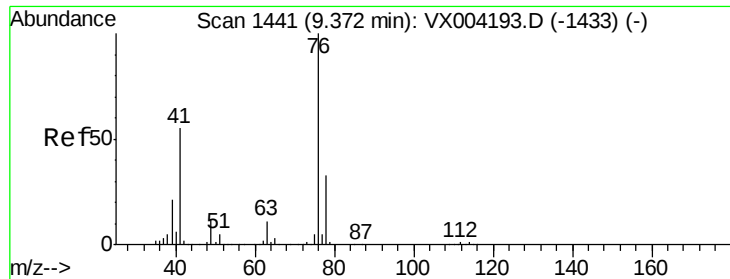
MMDadoda
9/5/2018 4:52:51 PM



#56
Ethyl methacrylate
Concen: 20.89 ug/l
RT: 9.18 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX004349.D
Acq: 04 Sep 2018 16:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		106078		
41	63.1	51.0	76.4		
39	31.1	26.1	39.1		





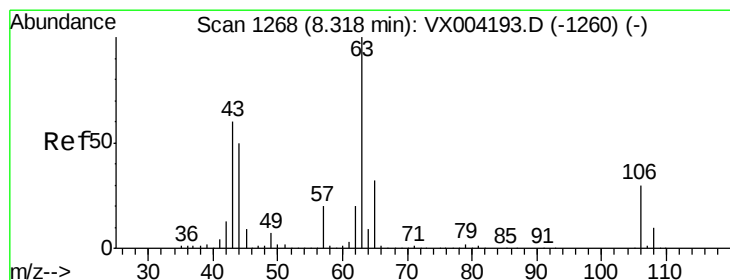
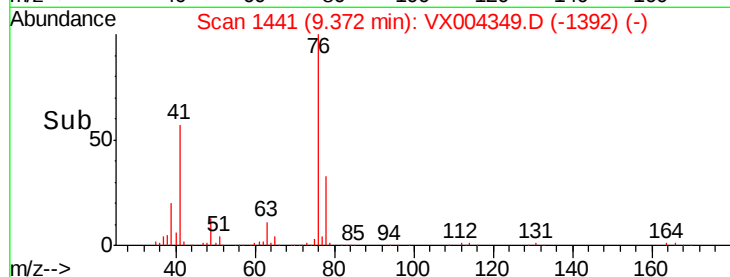
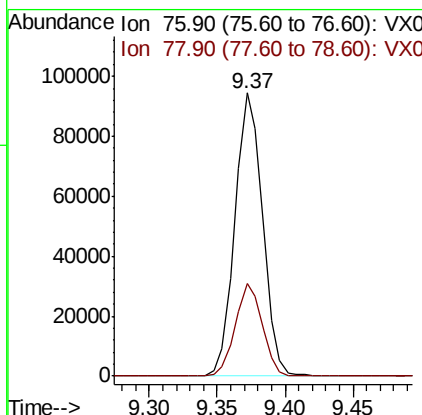
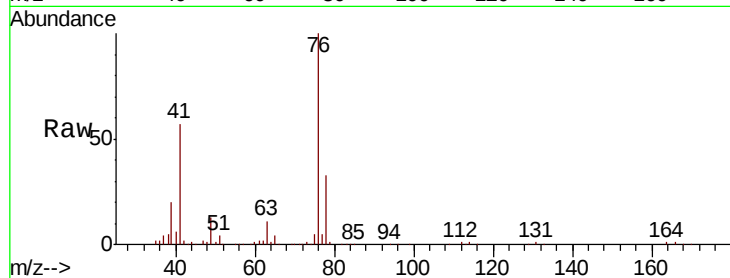
#57
 1,3-Dichloropropane
 Concen: 21.26 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VX004349.D
 Acq: 04 Sep 2018 16:12

Instrument :
 MSVOA_X
 ClientSampled :
 VX0904MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.5	38.3

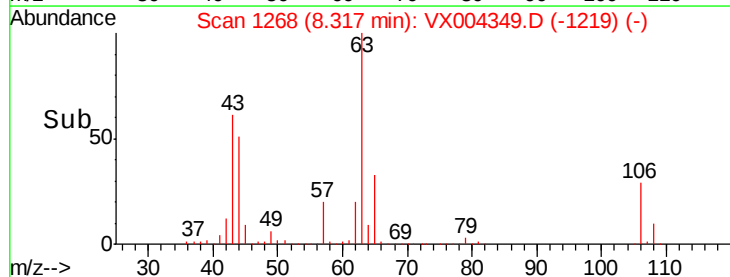
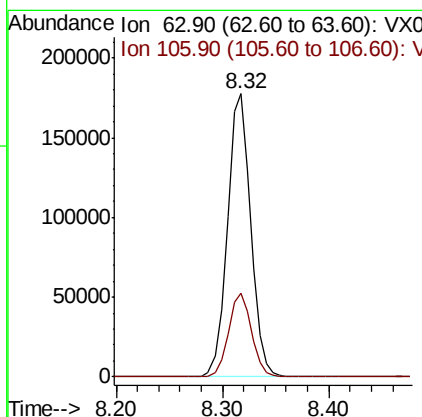
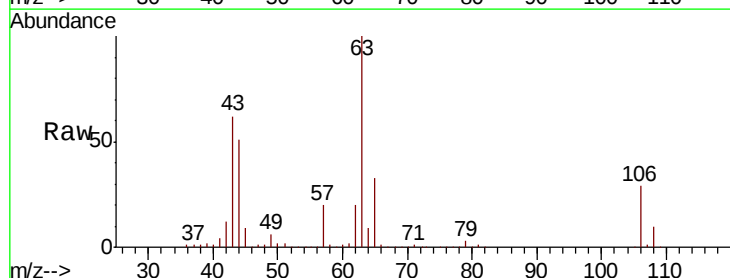
Manual Integrations
 APPROVED

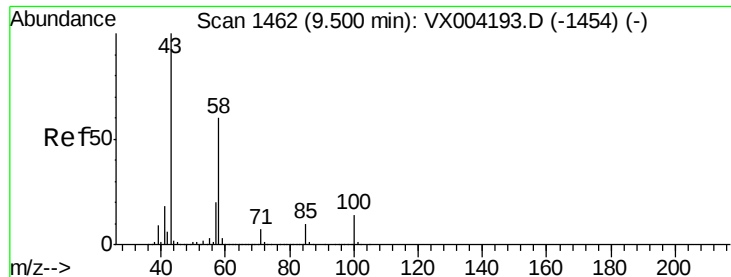
MMDadoda
 9/5/2018 4:52:51 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.54 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX004349.D
 Acq: 04 Sep 2018 16:12

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.3	23.9	35.9





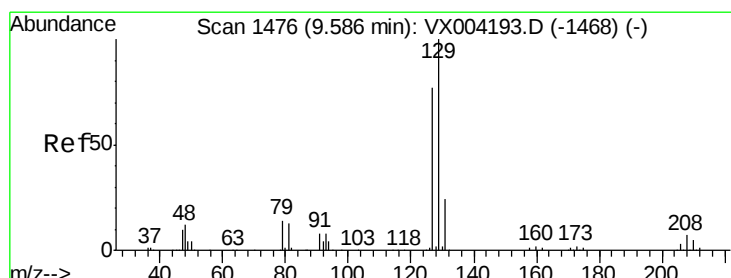
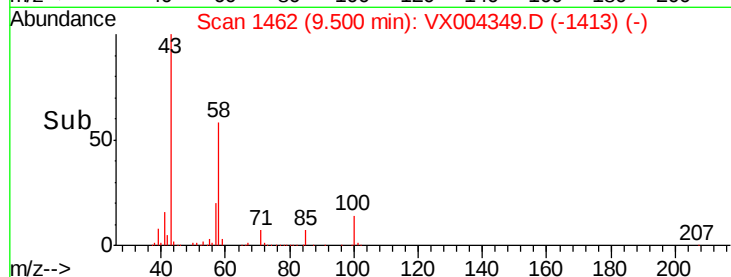
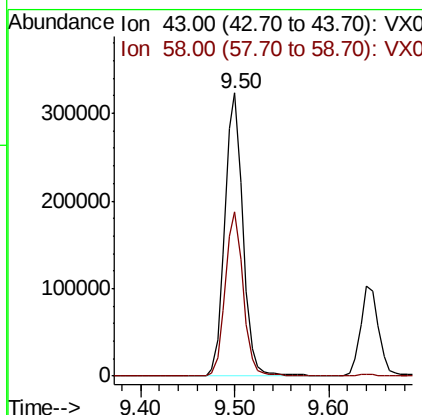
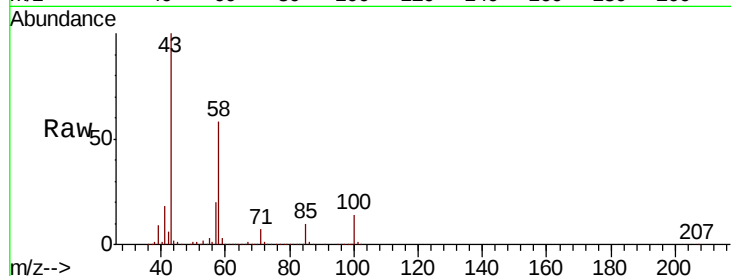
#59
2-Hexanone
Concen: 104.42 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX004349.D
Acq: 04 Sep 2018 16:12

Instrument :
MSVOA_X
ClientSampleId :
VX0904MBS01

Tot Ion: 43 Resp: 432131
Ion Ratio Lower Upper
43 100
58 57.7 29.0 87.0

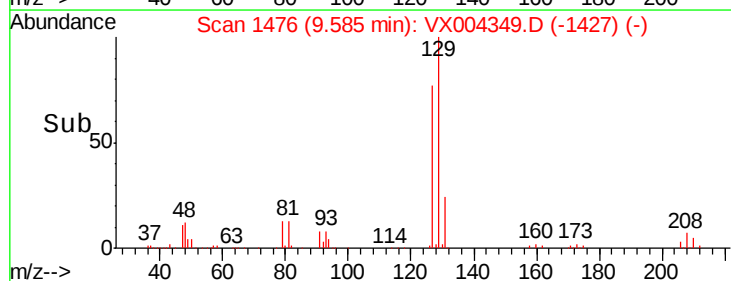
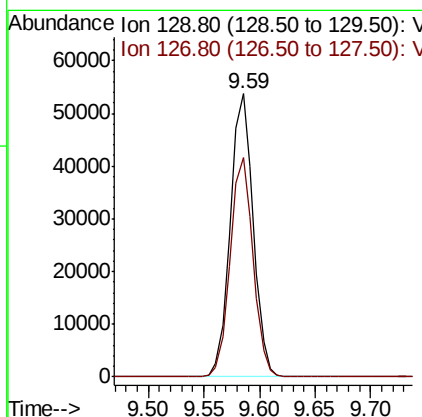
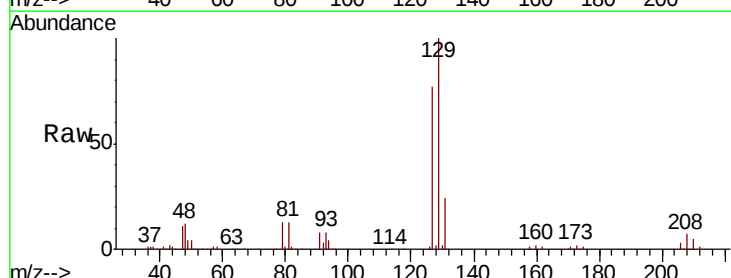
Manual Integrations
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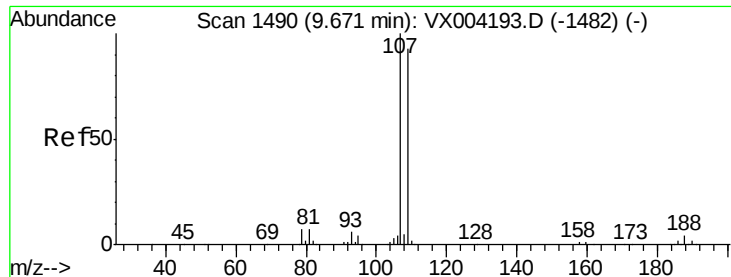
MMDadoda
9/5/2018 4:52:51 PM



#60
Dibromochloromethane
Concen: 21.01 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX004349.D
Acq: 04 Sep 2018 16:12

Tgt Ion: 129 Resp: 76352
Ion Ratio Lower Upper
129 100
127 77.2 38.5 115.5





#61

1,2-Dibromoethane

Concen: 20.80 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.00 min

Lab File: VX004349.D

Acq: 04 Sep 2018 16:12

Instrument :

MSVOA_X

ClientSampleId :

VX0904MBS01

Tot Ion:107 Resp: 80279

Ion Ratio Lower Upper

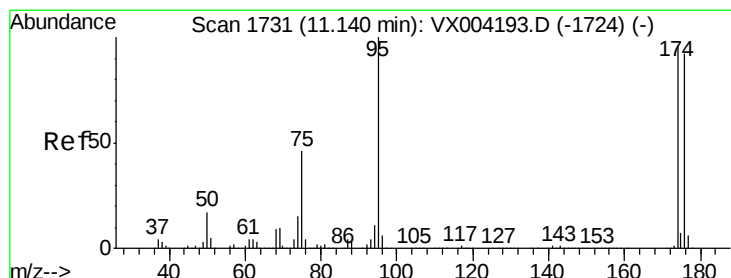
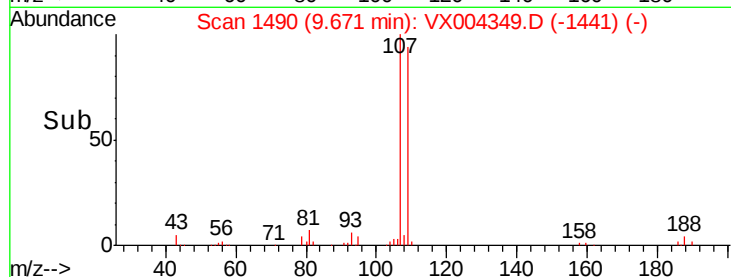
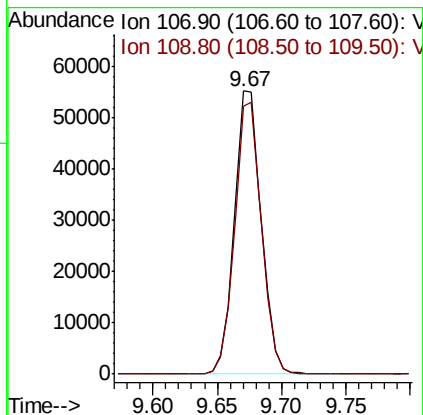
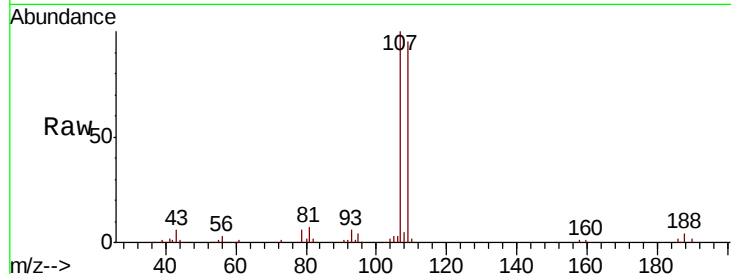
107 100

109 95.4 76.0 114.0

Manual Integrations
APPROVED

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9/5/2018 4:52:51 PM



#62

4-Bromofluorobenzene

Concen: 50.27 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004349.D

Acq: 04 Sep 2018 16:12

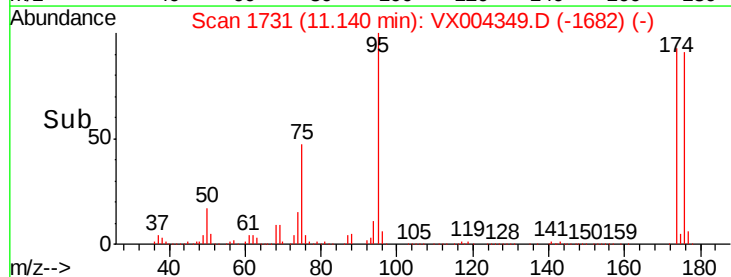
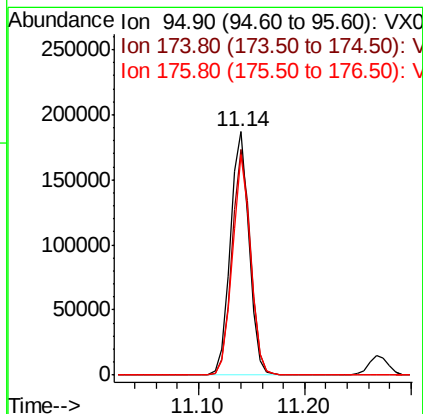
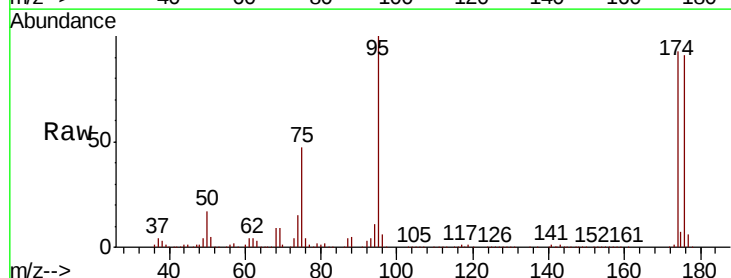
Tgt Ion: 95 Resp: 231471

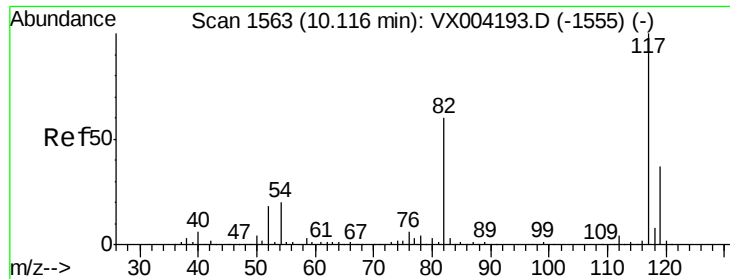
Ion Ratio Lower Upper

95 100

174 92.2 0.0 185.2

176 87.8 0.0 178.6





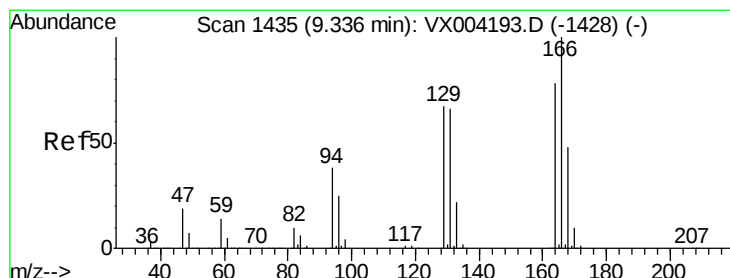
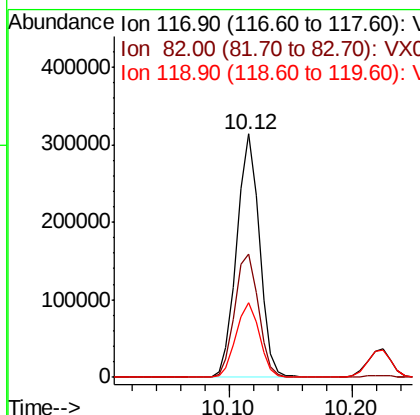
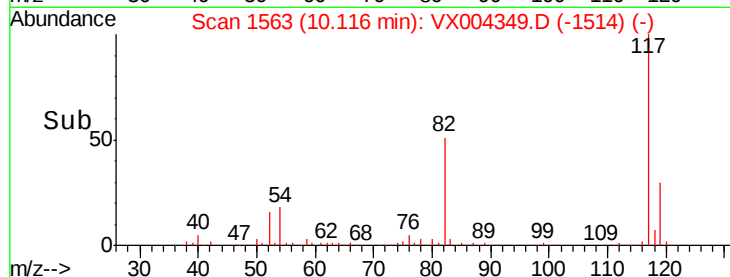
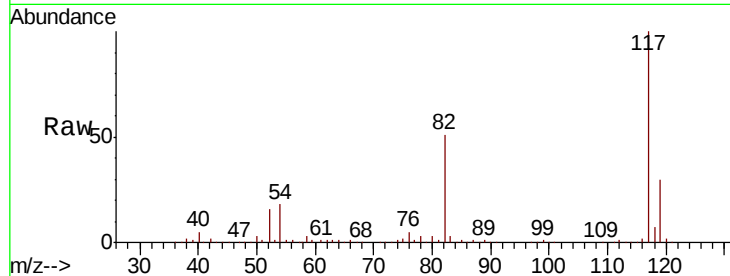
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004349.D
Acq: 04 Sep 2018 16:12

Instrument :
MSVOA_X
ClientSampleId :
VX0904MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.8	47.8	71.6
119	30.5	29.3	43.9

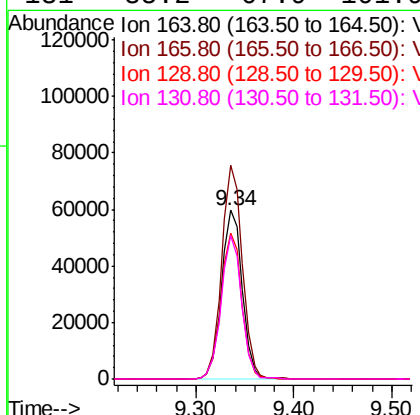
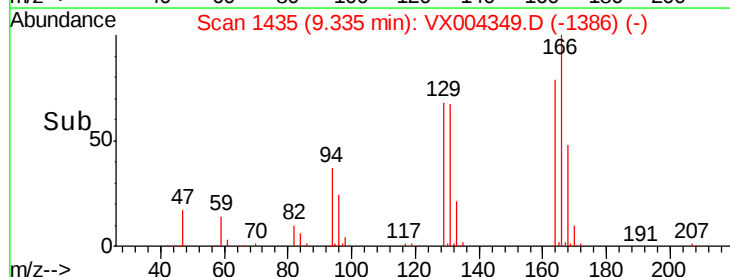
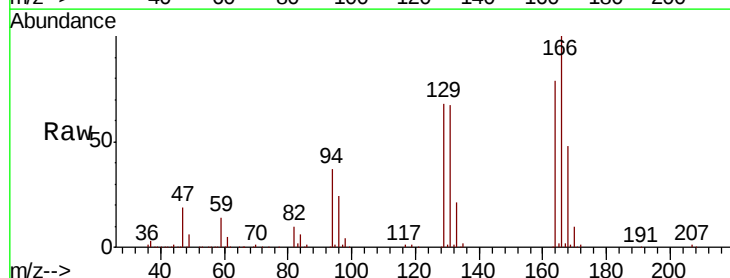
Manual Integrations
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#64
Tetrachloroethene
Concen: 22.02 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004349.D
Acq: 04 Sep 2018 16:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.7	102.8	154.2
129	86.3	69.4	104.0
131	85.2	67.9	101.9





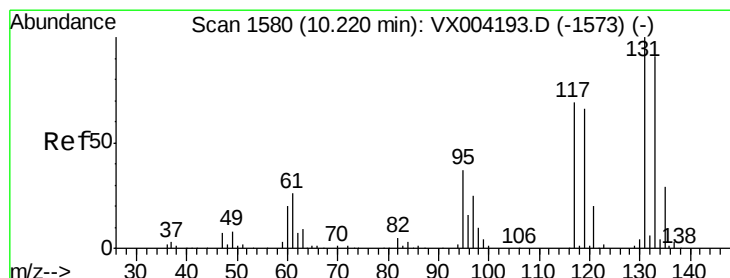
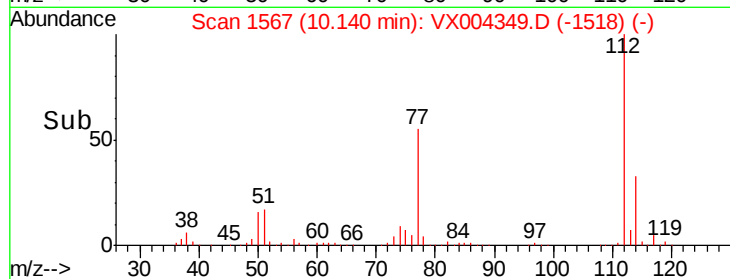
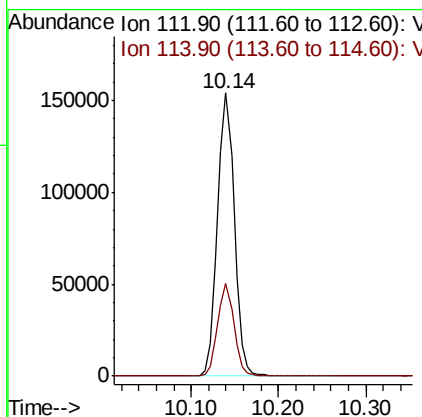
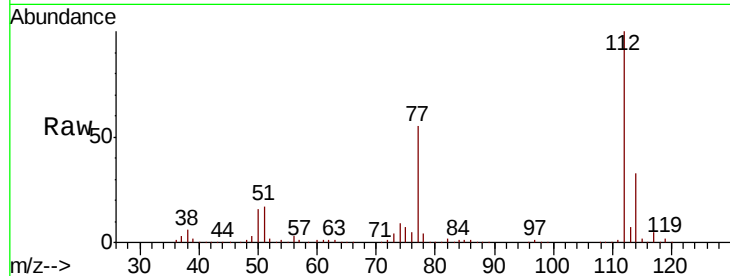
#65
Chlorobenzene
Concen: 20.32 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX004349.D
Acq: 04 Sep 2018 16:12

Instrument :
MSVOA_X
ClientSampleId :
VX0904MBS01

Tot Ion:112 Resp: 205374
Ion Ratio Lower Upper
112 100
114 32.7 27.8 41.8

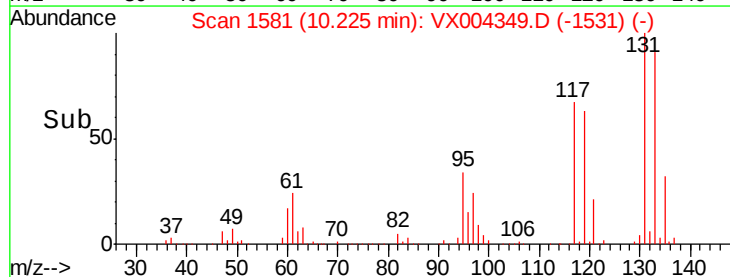
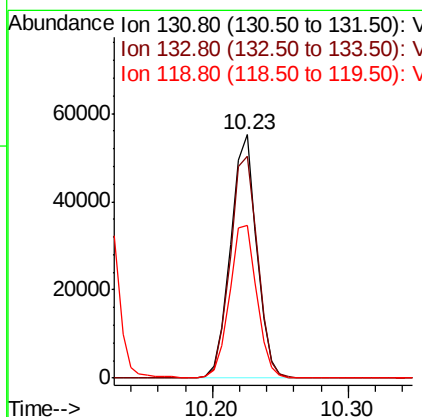
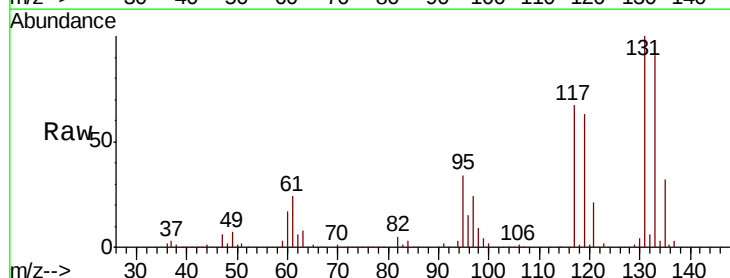
Manual Integrations
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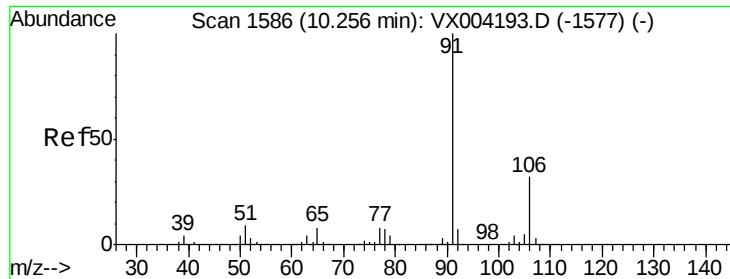
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.10 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.01 min
Lab File: VX004349.D
Acq: 04 Sep 2018 16:12

Tgt Ion:131 Resp: 73552
Ion Ratio Lower Upper
131 100
133 96.0 48.1 144.4
119 65.6 32.9 98.6





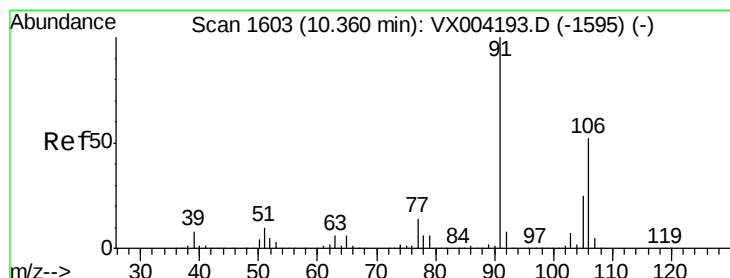
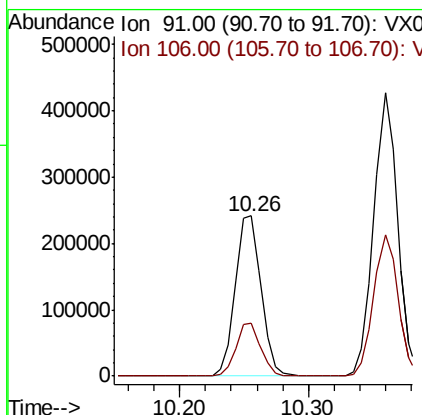
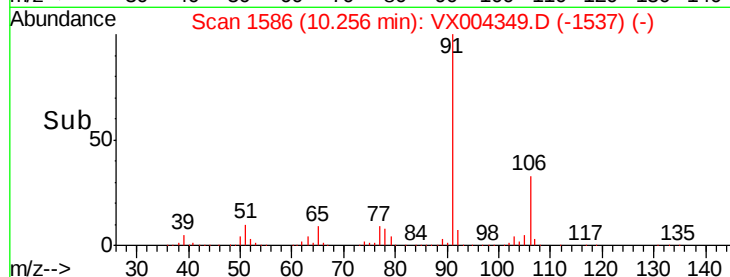
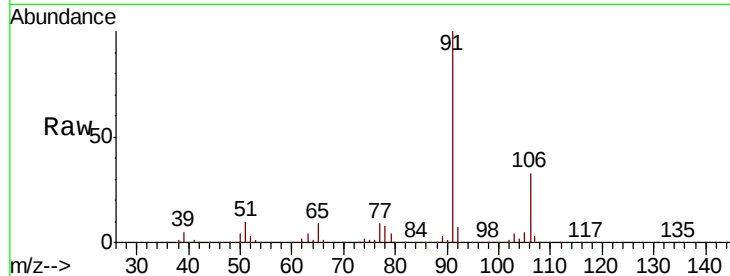
#67
Ethyl Benzene
Concen: 20.60 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX004349.D
Acq: 04 Sep 2018 16:12

Instrument :
MSVOA_X
ClientSampleId :
VX0904MBS01

Tot Ion: 91 Resp: 338179
Ion Ratio Lower Upper
91 100
106 33.2 25.9 38.9

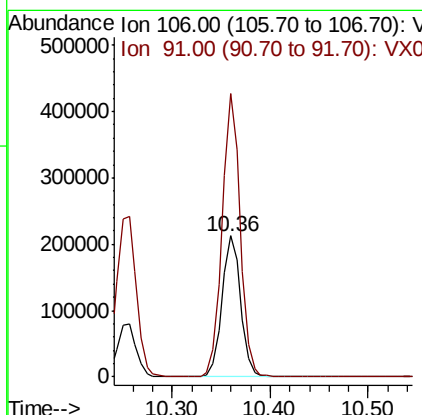
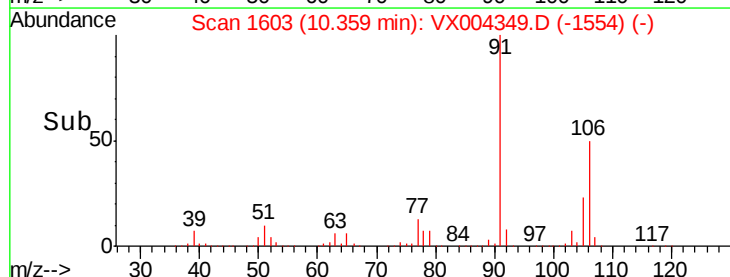
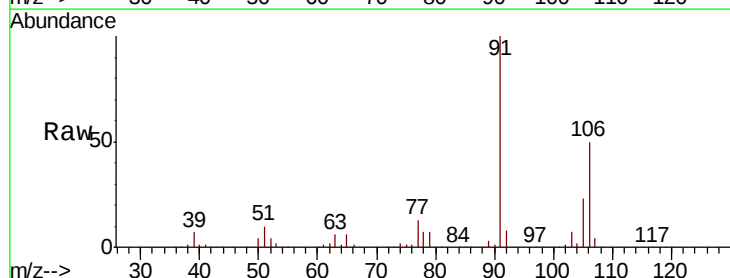
Manual Integrations
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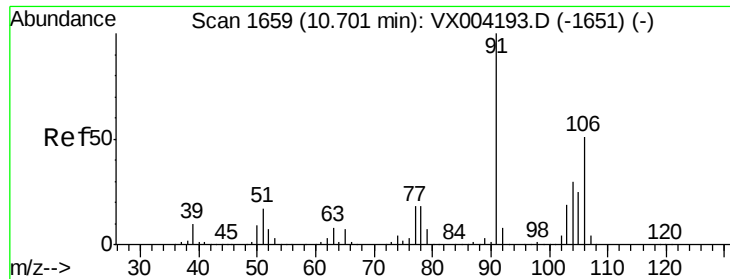
MMDadoda
9/5/2018 4:52:51 PM



#68
m/p-Xylenes
Concen: 43.54 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX004349.D
Acq: 04 Sep 2018 16:12

Tgt Ion: 106 Resp: 279477
Ion Ratio Lower Upper
106 100
91 195.4 157.1 235.7





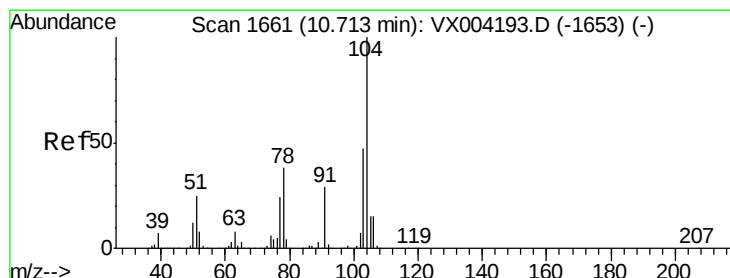
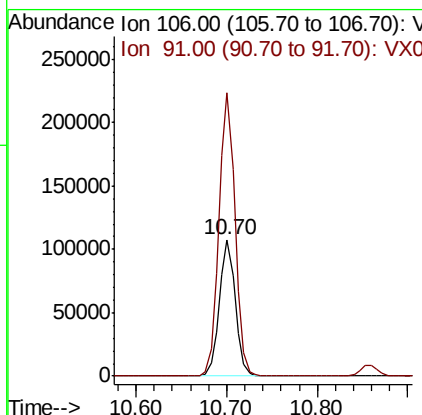
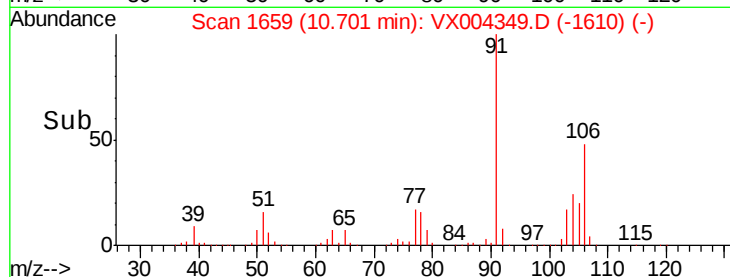
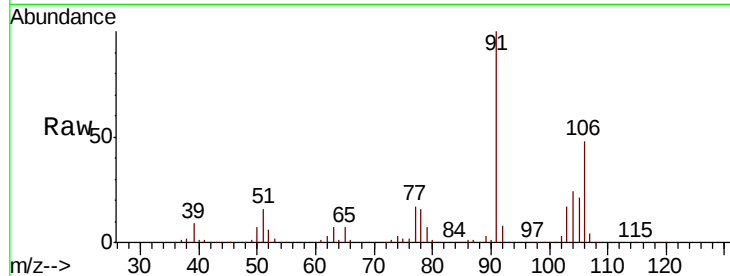
#69
o-Xylene
Concen: 21.83 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004349.D
Acq: 04 Sep 2018 16:12

Instrument :
MSVOA_X
ClientSampled :
VX0904MBS01

Tot Ion:106 Resp: 132530
Ion Ratio Lower Upper
106 100
91 210.5 105.1 315.1

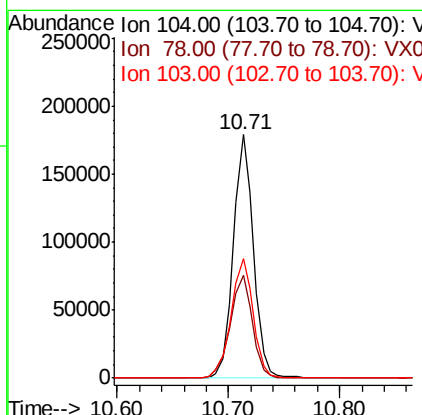
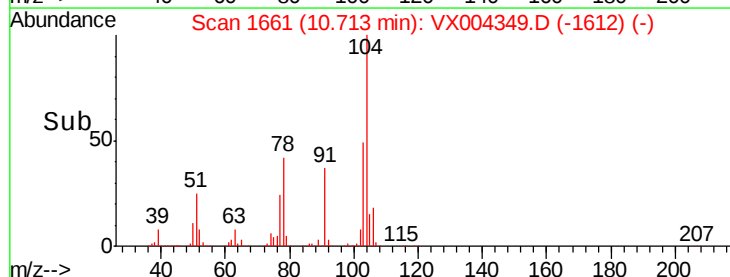
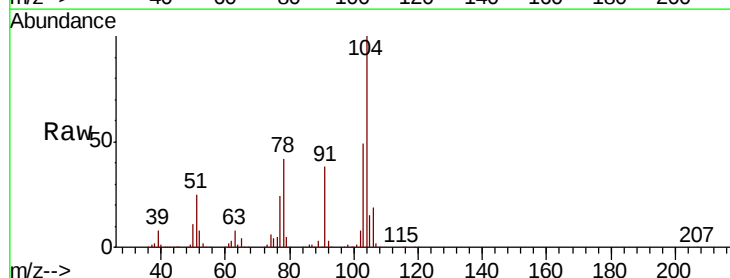
Manual Integrations
APPROVED

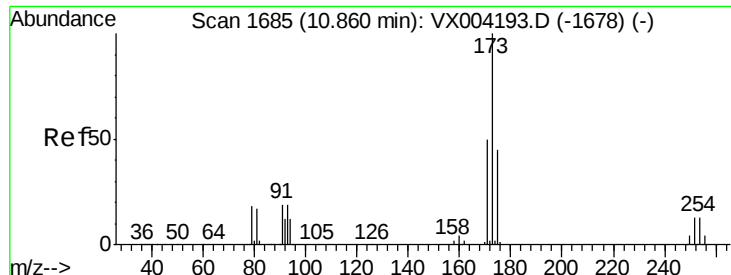
MMDadoda
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#70
Styrene
Concen: 22.63 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004349.D
Acq: 04 Sep 2018 16:12

Tgt Ion:104 Resp: 222508
Ion Ratio Lower Upper
104 100
78 46.9 37.4 56.0
103 54.1 43.8 65.6





#71

Bromoform

Concen: 20.54 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VX004349.D

Acq: 04 Sep 2018 16:12

Instrument :

MSVOA_X

ClientSampleId :

VX0904MBS01

Tot Ion:173 Resp: 57716

Ion Ratio Lower Upper

173 100

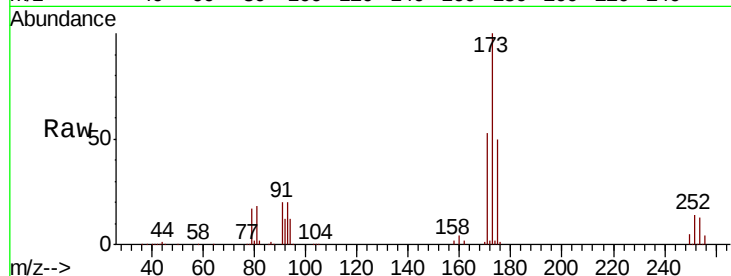
175 49.2 24.1 72.3

254 0.1 0.2 0.2#

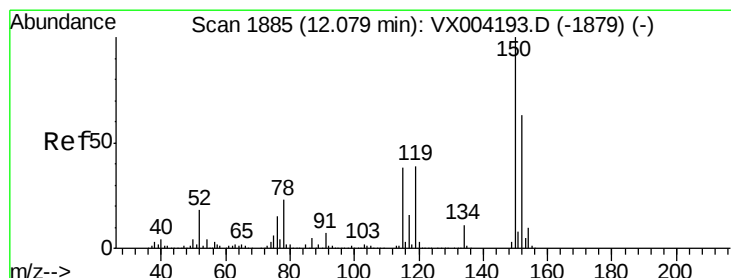
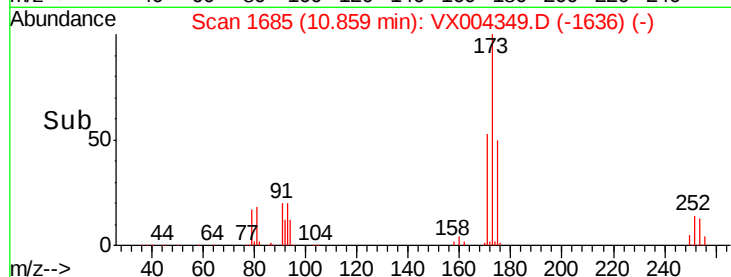
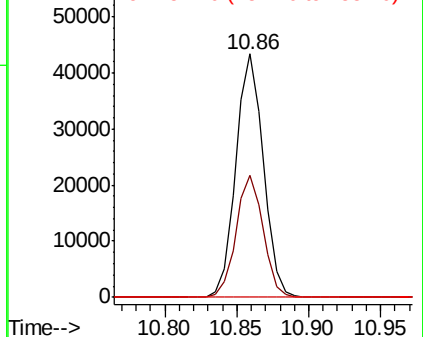
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004349.D

Acq: 04 Sep 2018 16:12

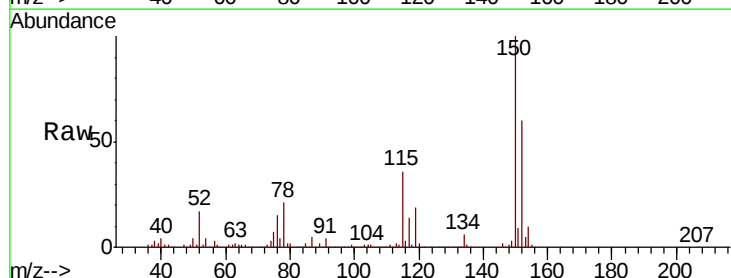
Tgt Ion:152 Resp: 242902

Ion Ratio Lower Upper

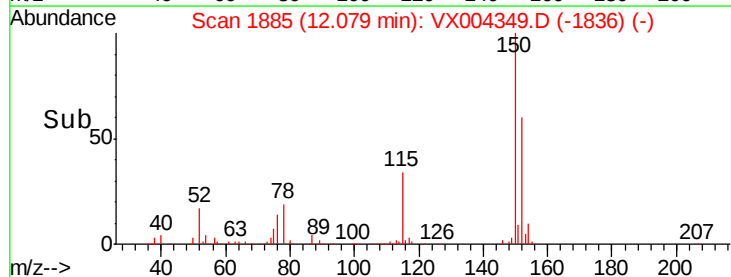
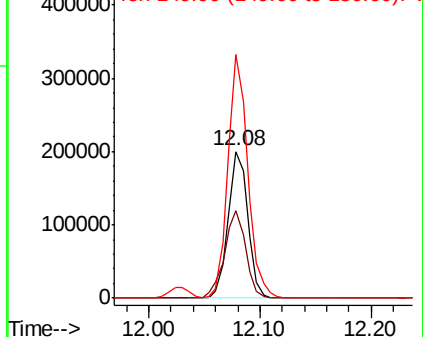
152 100

115 64.6 39.0 117.0

150 168.7 0.0 351.0



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: 22.16 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004349.D

Acq: 04 Sep 2018 16:12

Instrument :

MSVOA_X

ClientSampleId :

VX0904MBS01

Tot Ion: 105 Resp: 353458

Ion Ratio Lower Upper

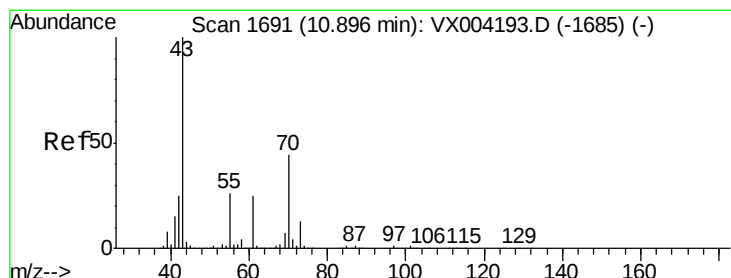
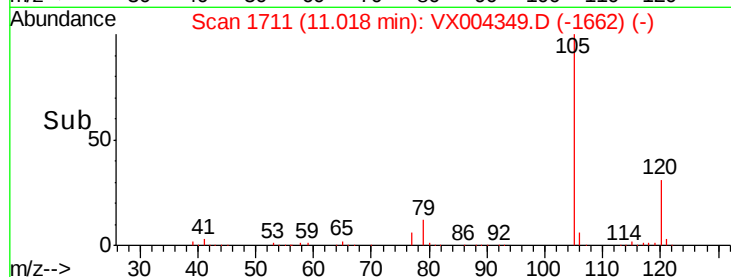
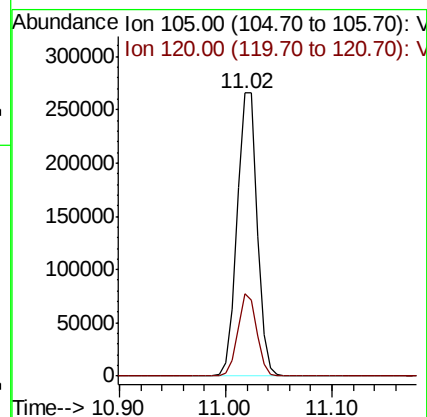
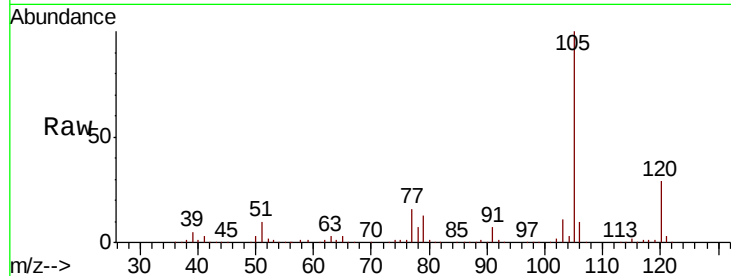
105 100

120 27.6 13.5 40.4

Manual Integrations
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#74

N-ethyl acetate

Concen: 20.97 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. 0.01 min

Lab File: VX004349.D

Acq: 04 Sep 2018 16:12

Tgt Ion: 43 Resp: 128783

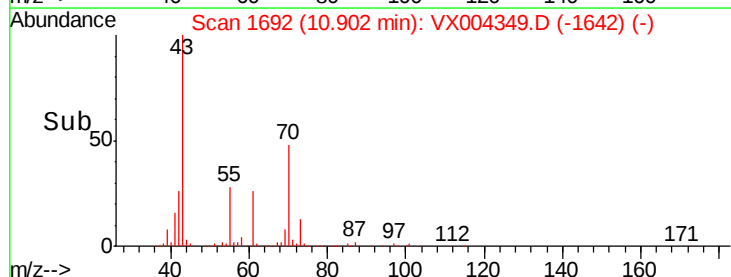
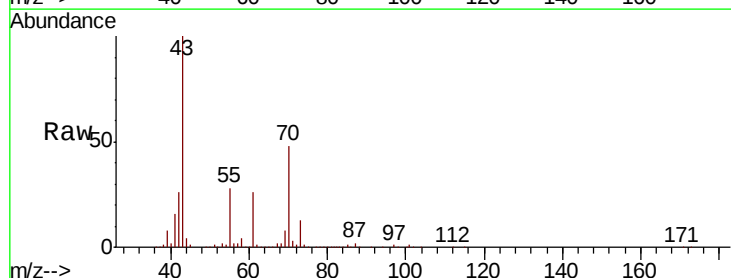
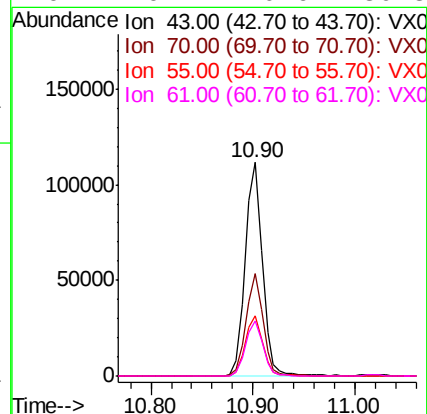
Ion Ratio Lower Upper

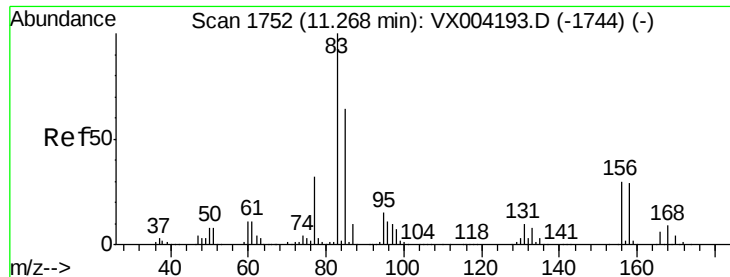
43 100

70 47.3 37.4 56.0

55 29.1 21.8 32.8

61 26.1 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 21.92 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004349.D

Acq: 04 Sep 2018 16:12

Instrument :

MSVOA_X

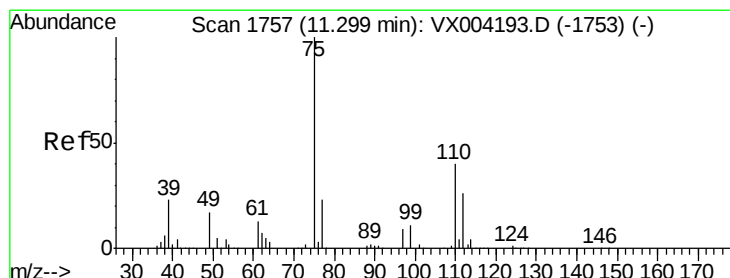
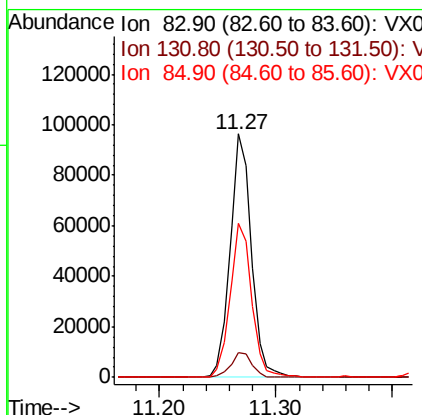
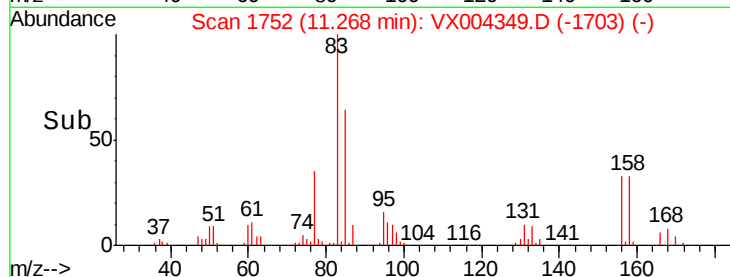
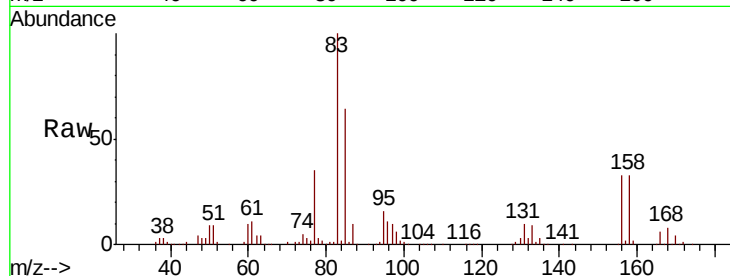
ClientSampleId :

VX0904MBS01

Tot Ion:	83	Resp:	122400
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.2	15.6
85	64.4	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.22 ug/l m

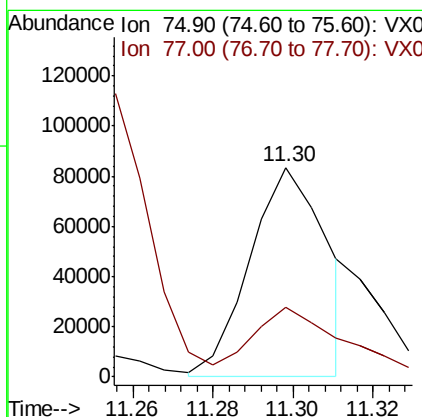
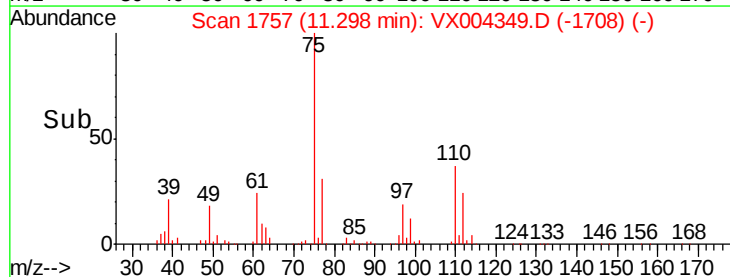
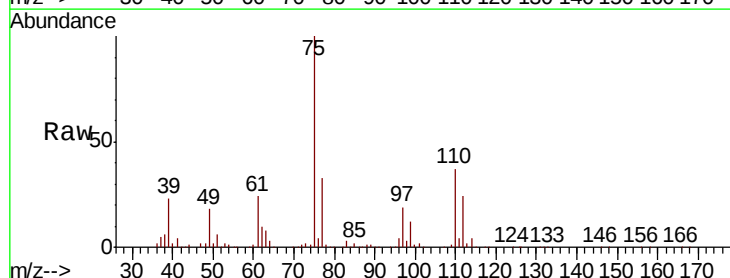
RT: 11.30 min Scan# 1757

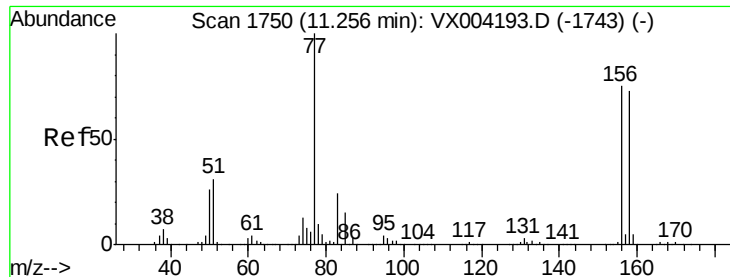
Delta R.T. -0.00 min

Lab File: VX004349.D

Acq: 04 Sep 2018 16:12

Tgt Ion:	75	Resp:	109788
Ion Ratio	Lower	Upper	
75	100		
77	40.4	20.2	60.6





#77

Bromobenzene

Concen: 21.69 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004349.D

Acq: 04 Sep 2018 16:12

Instrument :

MSVOA_X

ClientSampleId :

VX0904MBS01

Tot Ion:156 Resp: 97087

Ion Ratio Lower Upper

156 100

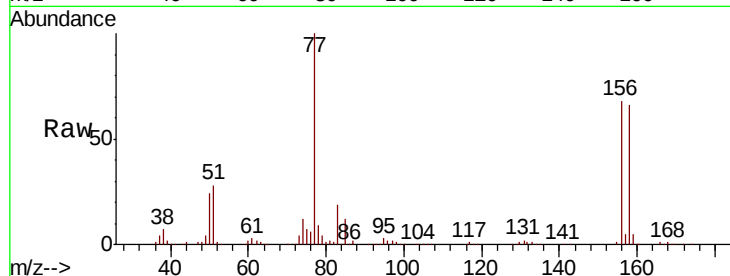
77 145.4 71.5 214.3

158 97.9 48.9 146.8

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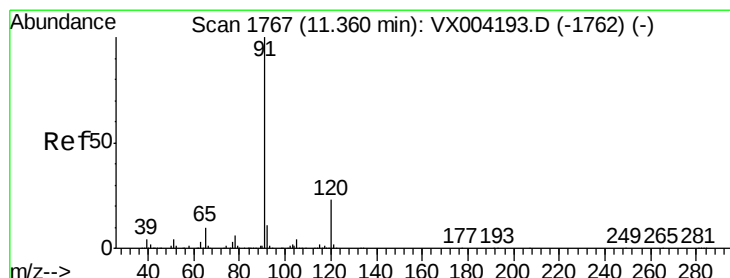
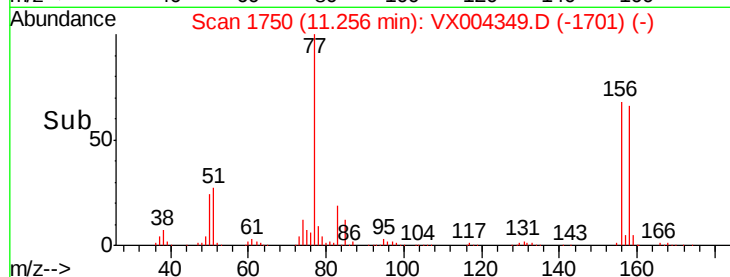
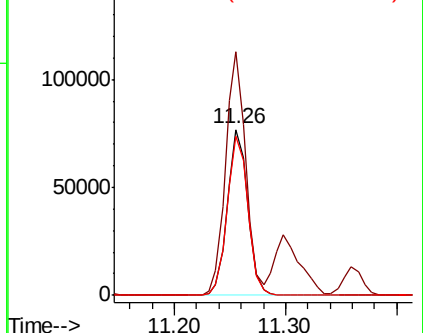
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.38 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004349.D

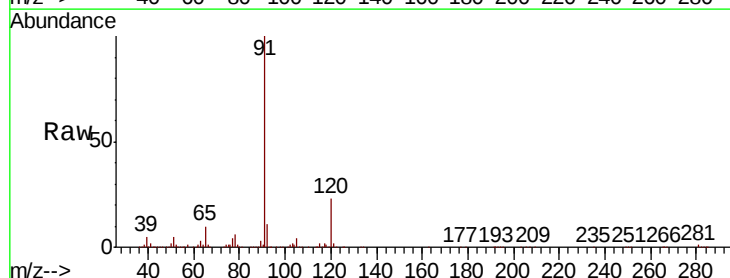
Acq: 04 Sep 2018 16:12

Tgt Ion: 91 Resp: 410580

Ion Ratio Lower Upper

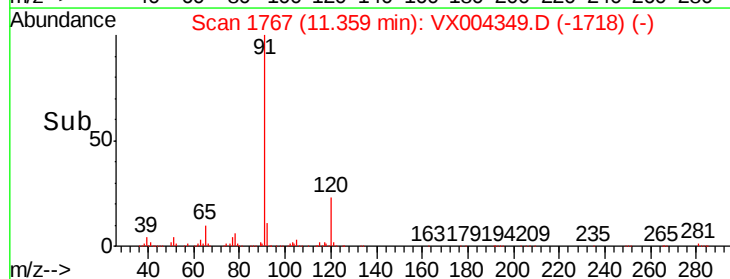
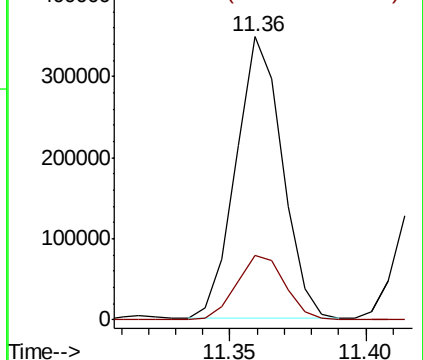
91 100

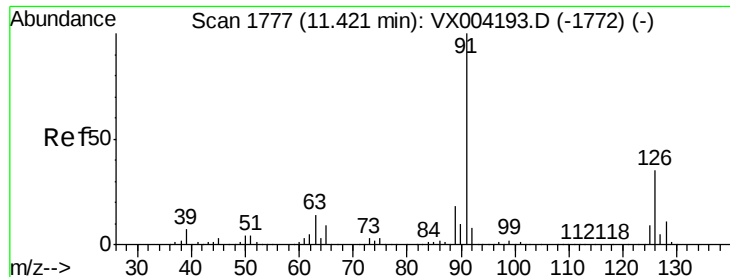
120 23.9 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.79 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX004349.D

Acq: 04 Sep 2018 16:12

Instrument :

MSVOA_X

ClientSampleId :

VX0904MBS01

Tot Ion: 91 Resp: 246138

Ion Ratio Lower Upper

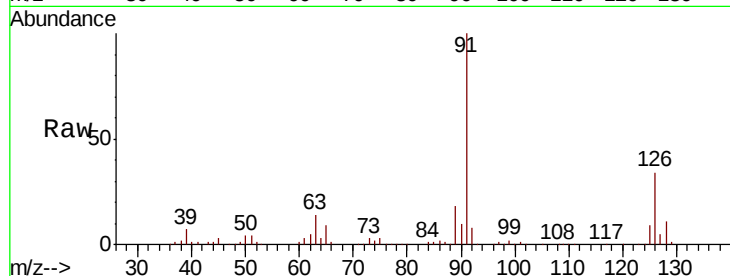
91 100

126 35.5 17.9 53.7

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Abundance Ion 91.00 (90.70 to 91.70): VX004193.D (-1772) (-)

Ion 125.90 (125.60 to 126.60): VX004193.D (-1772) (-)

400000

300000

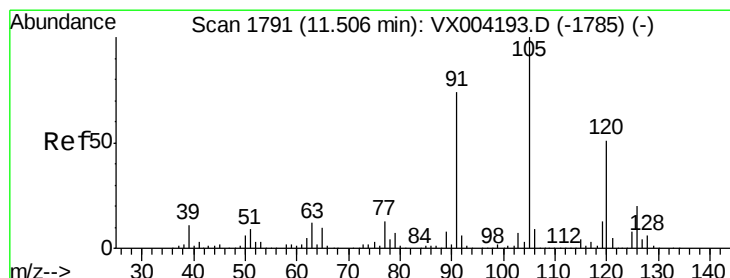
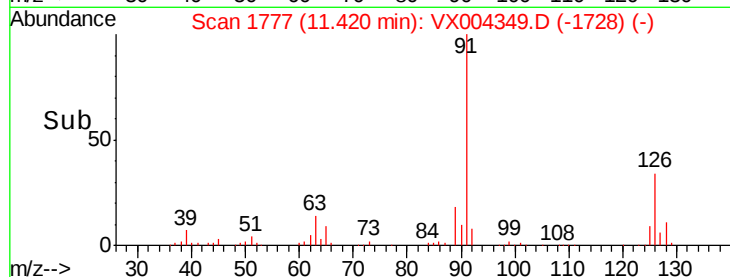
200000

100000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 22.90 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX004349.D

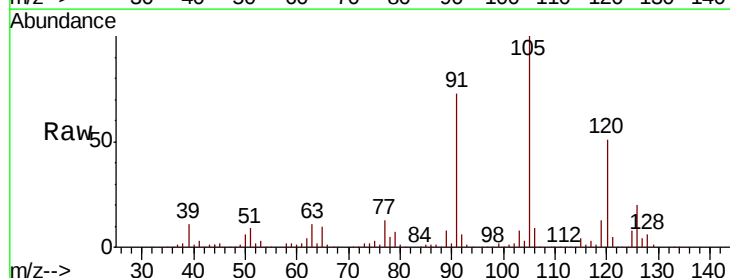
Acq: 04 Sep 2018 16:12

Tgt Ion: 105 Resp: 302590

Ion Ratio Lower Upper

105 100

120 50.5 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VX004193.D (-1785) (-)

Ion 120.00 (119.70 to 120.70): VX004193.D (-1785) (-)

250000

200000

150000

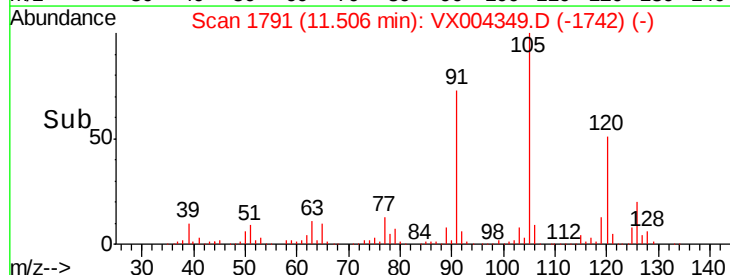
100000

50000

0

11.40 11.50 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 21.08 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.01 min

Lab File: VX004349.D

Acq: 04 Sep 2018 16:12

Instrument :

MSVOA_X

ClientSampled :

VX0904MBS01

Tot Ion: 75 Resp: 32091

Ion Ratio Lower Upper

75 100

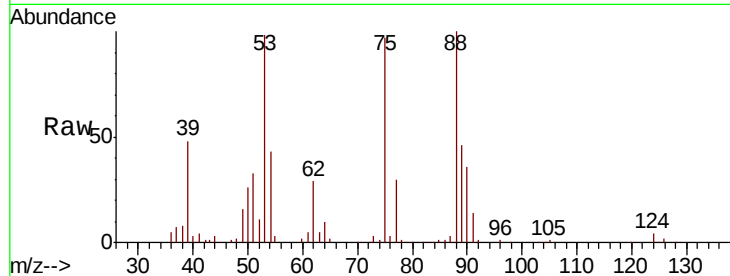
53 102.5 80.1 120.1

89 45.6 37.2 55.8

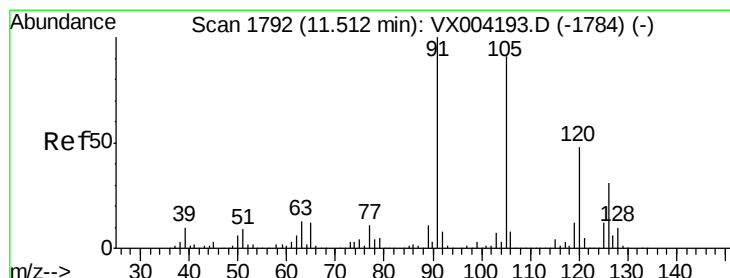
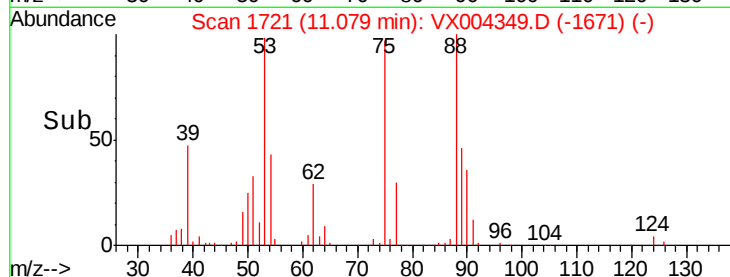
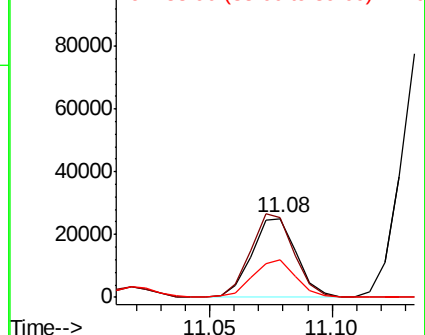
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Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 21.90 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004349.D

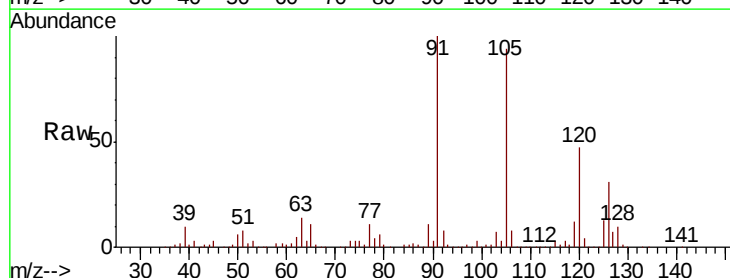
Acq: 04 Sep 2018 16:12

Tgt Ion: 91 Resp: 291101

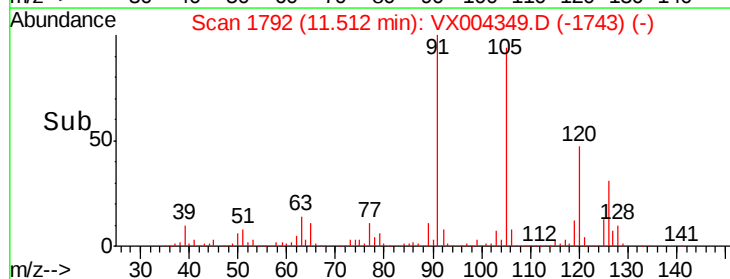
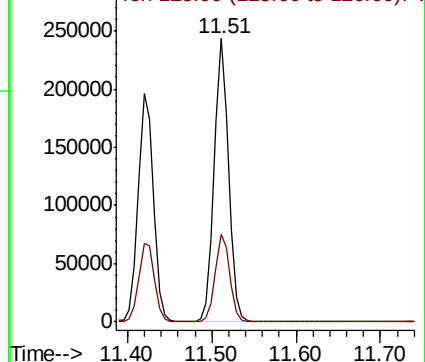
Ion Ratio Lower Upper

91 100

126 31.4 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V





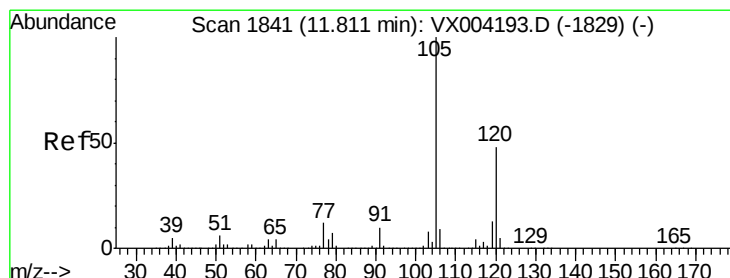
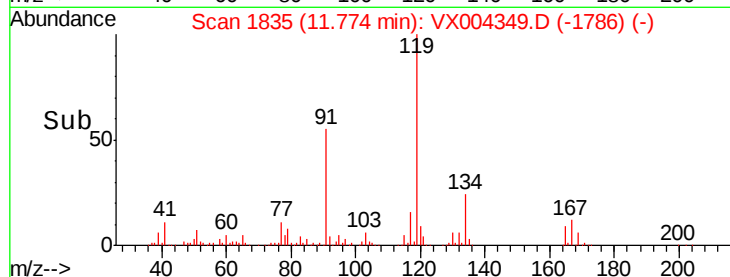
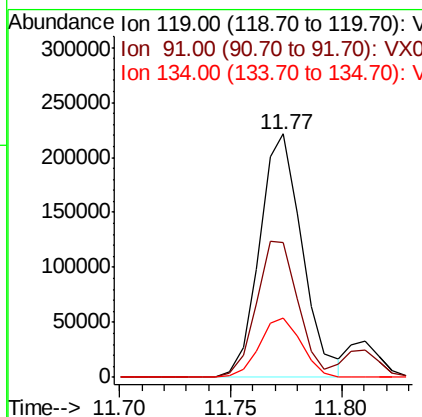
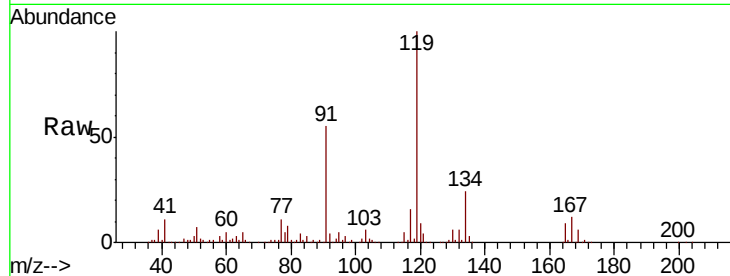
#83
 tert-Butylbenzene
 Concen: 22.16 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX004349.D
 Acq: 04 Sep 2018 16:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	294575		
91	54.6		27.0	81.0
134	24.1		11.7	35.1

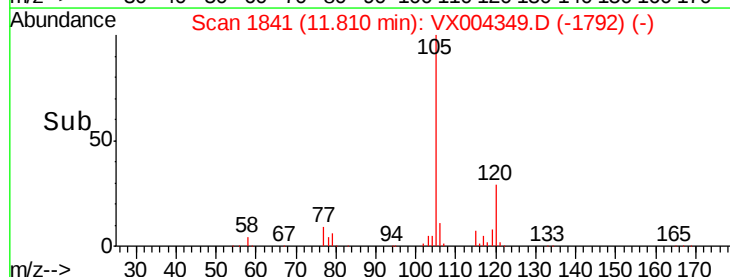
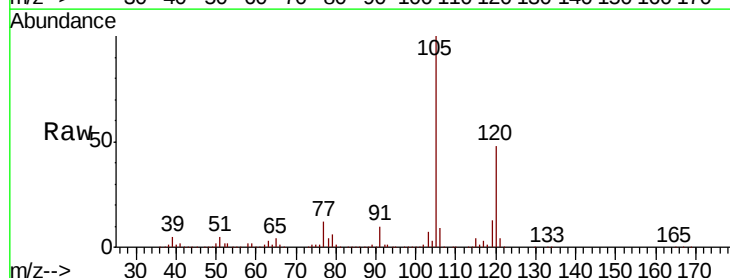
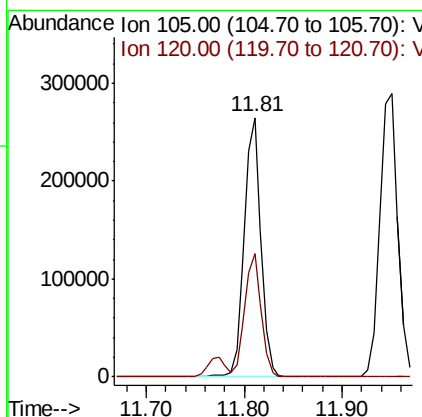
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#84
 1,2,4-Trimethylbenzene
 Concen: 23.07 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX004349.D
 Acq: 04 Sep 2018 16:12

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	312834		
120	46.9		23.2	69.6





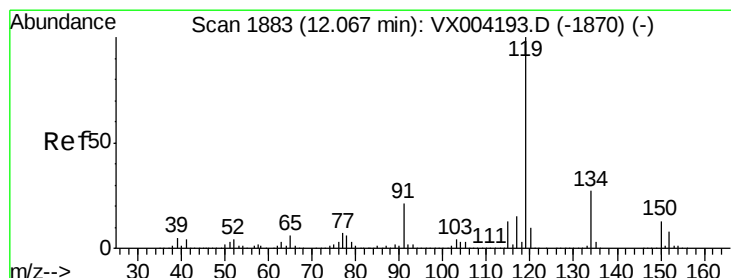
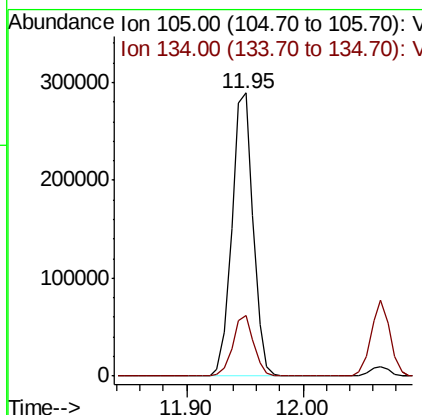
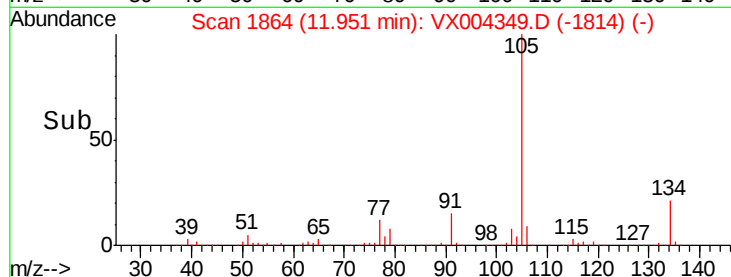
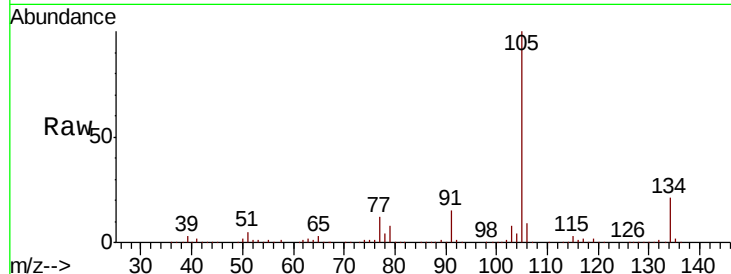
#85
 sec-Butylbenzene
 Concen: 23.25 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.01 min
 Lab File: VX004349.D
 Acq: 04 Sep 2018 16:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904MBS01

Tot Ion:105 Resp: 366867
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.5 31.5

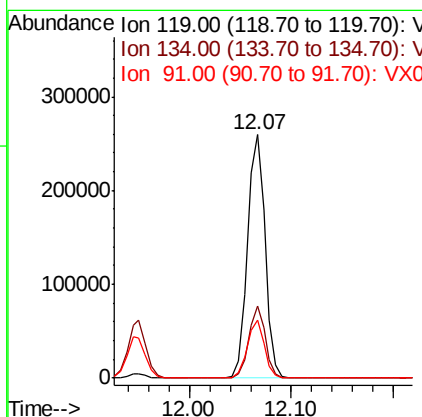
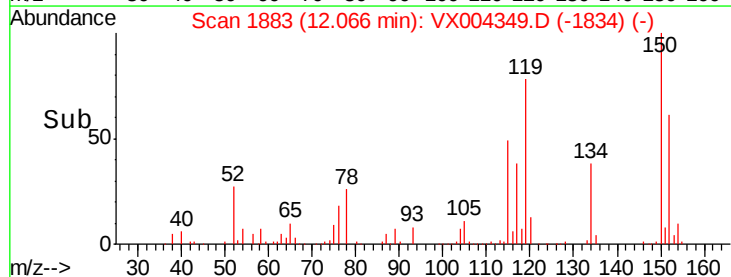
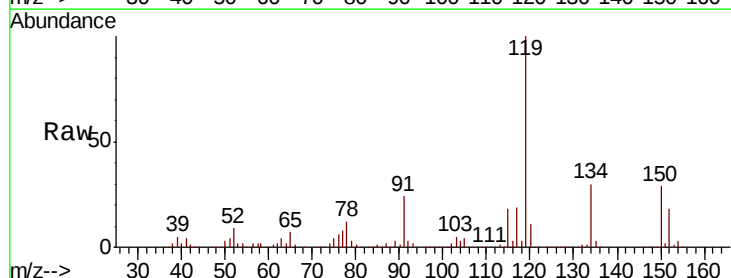
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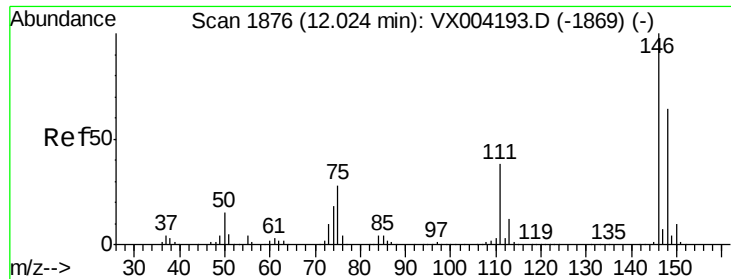
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#86
 p-Isopropyltoluene
 Concen: 21.96 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX004349.D
 Acq: 04 Sep 2018 16:12

Tgt Ion:119 Resp: 310603
 Ion Ratio Lower Upper
 119 100
 134 28.0 13.4 40.2
 91 22.8 10.9 32.7





#87

1,3-Dichlorobenzene

Concen: 21.20 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.01 min

Lab File: VX004349.D

Acq: 04 Sep 2018 16:12

Instrument :

MSVOA_X

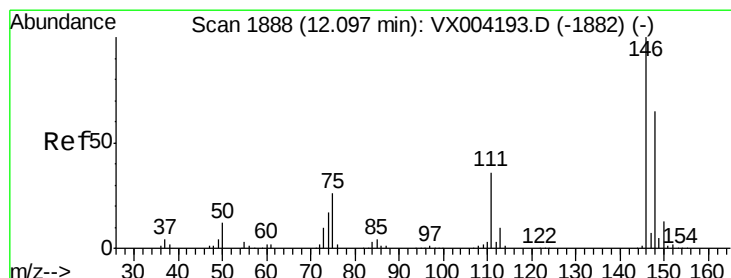
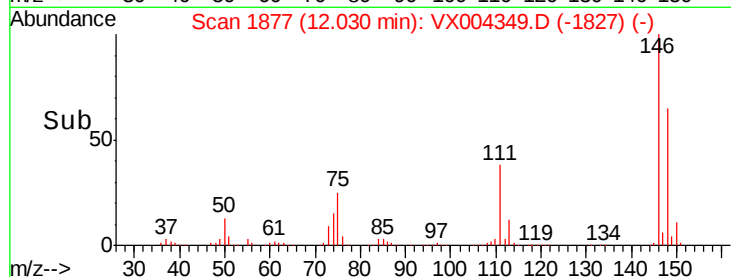
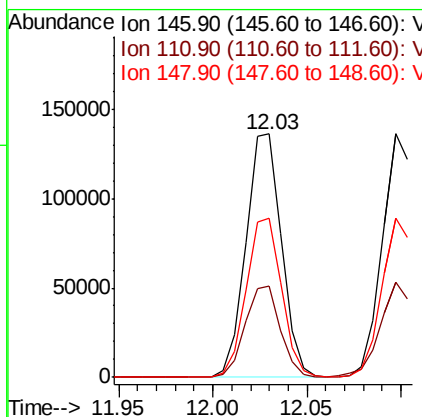
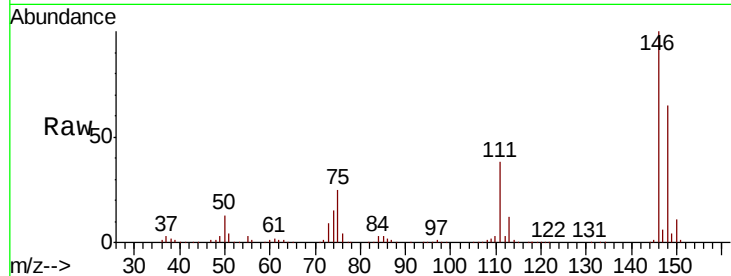
ClientSampleId :

VX0904MBS01

Tot Ion:	146	Resp:	178667
Ion Ratio	Lower	Upper	
146	100		
111	37.2	18.7	56.1
148	64.9	32.1	96.5

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#88

1,4-Dichlorobenzene

Concen: 19.45 ug/l

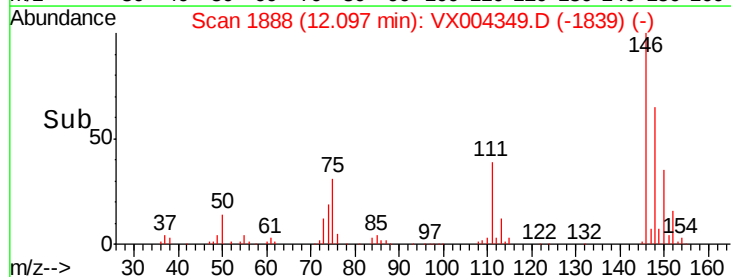
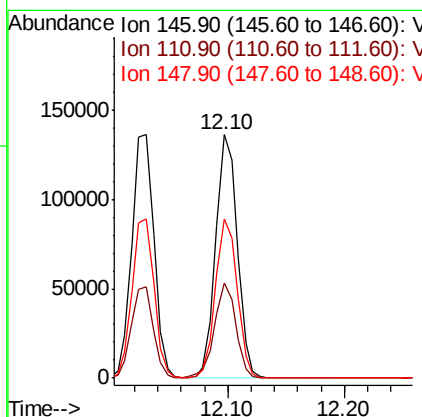
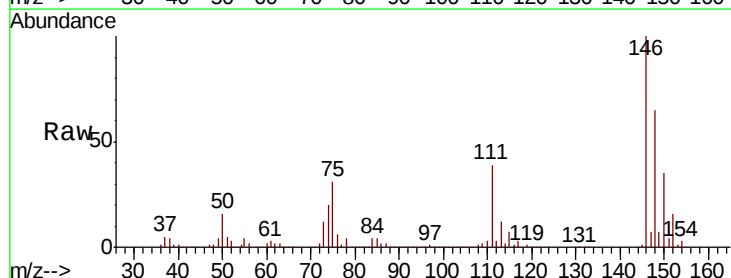
RT: 12.10 min Scan# 1888

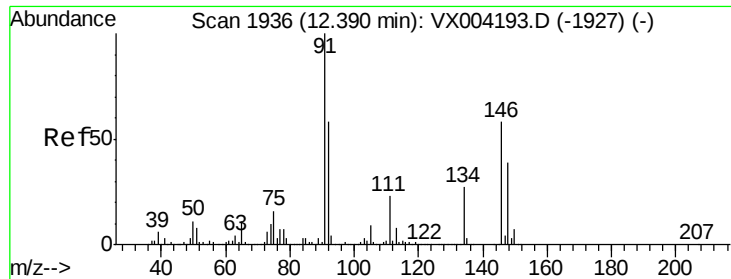
Delta R.T. -0.00 min

Lab File: VX004349.D

Acq: 04 Sep 2018 16:12

Tgt Ion:	146	Resp:	172816
Ion Ratio	Lower	Upper	
146	100		
111	39.1	18.1	54.1
148	66.0	32.0	96.0





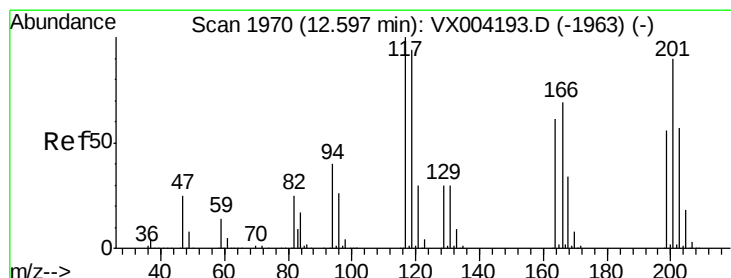
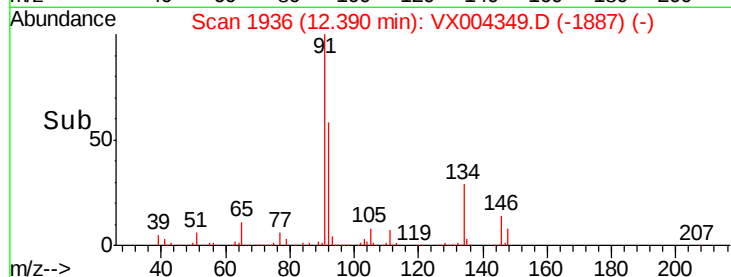
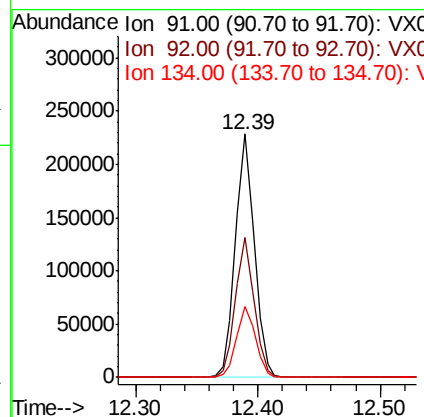
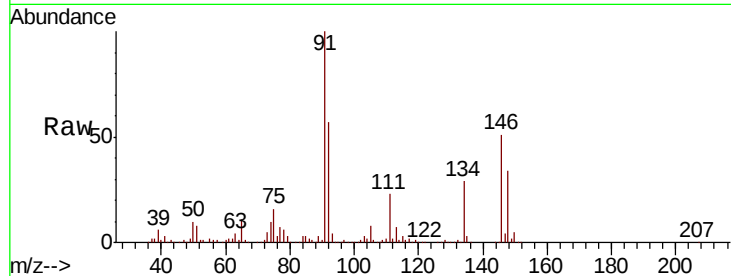
#89
n-Butylbenzene
Concen: 21.25 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004349.D
Acq: 04 Sep 2018 16:12

Instrument :
MSVOA_X
ClientSampleId :
VX0904MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		244420		
92	56.4	27.3	81.9		
134	29.0	13.6	40.7		

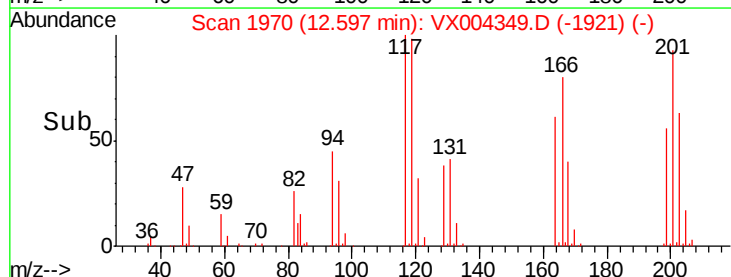
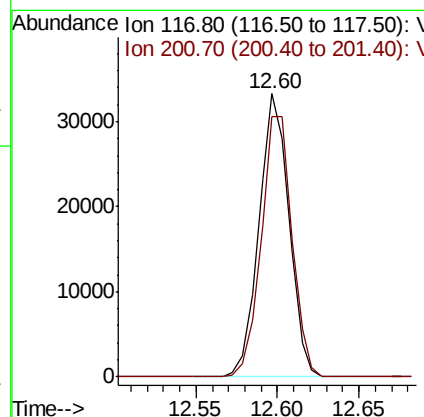
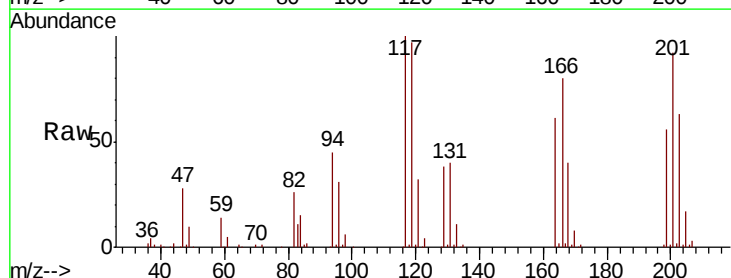
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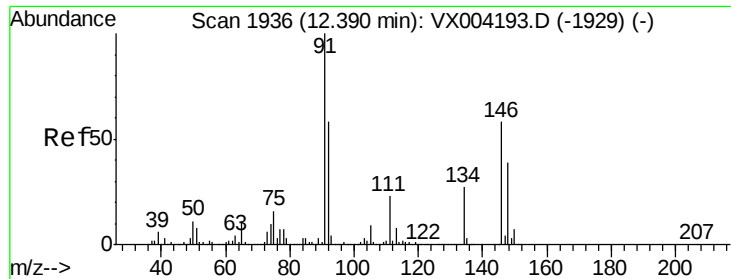
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#90
Hexachloroethane
Concen: 21.59 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX004349.D
Acq: 04 Sep 2018 16:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		42673		
201	94.5	46.9	140.6		





#91

1,2-Dichlorobenzene

Concen: 21.08 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.01 min

Lab File: VX004349.D

Acq: 04 Sep 2018 16:12

Instrument :

MSVOA_X

ClientSampleId :

VX0904MBS01

Tot Ion: 146 Resp: 162326

Ion Ratio Lower Upper

146 100

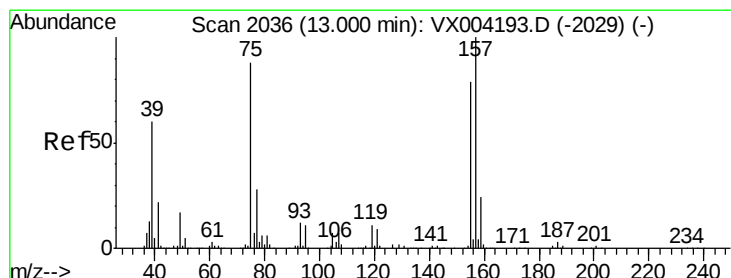
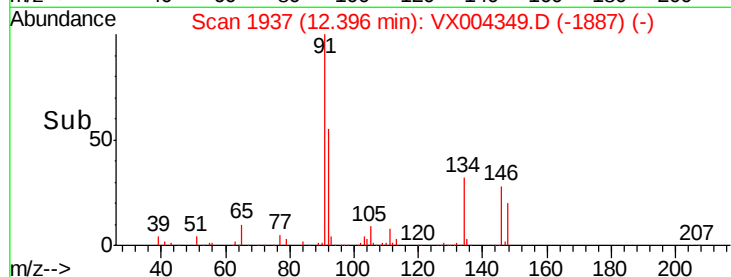
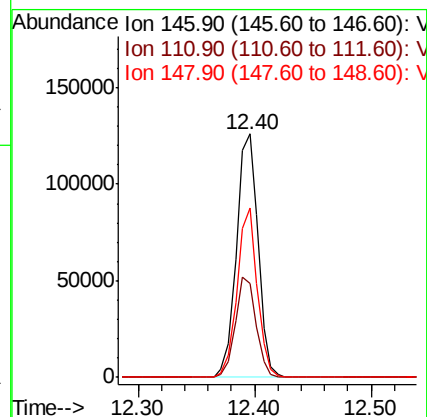
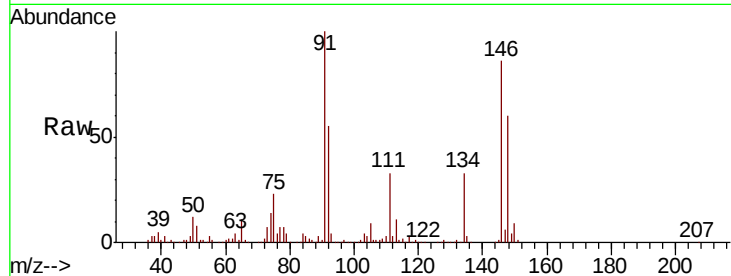
111 39.7 19.4 58.1

148 65.3 32.8 98.3

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#92

1,2-Dibromo-3-Chloropropane

Concen: 21.30 ug/l

RT: 13.00 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VX004349.D

Acq: 04 Sep 2018 16:12

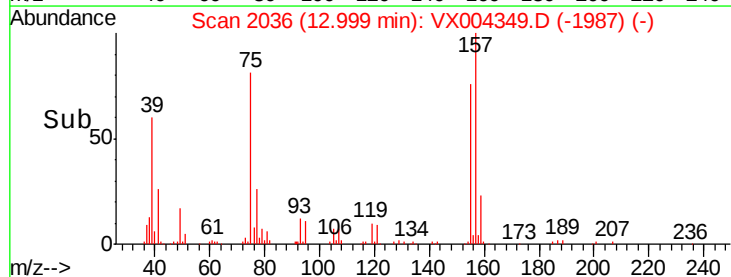
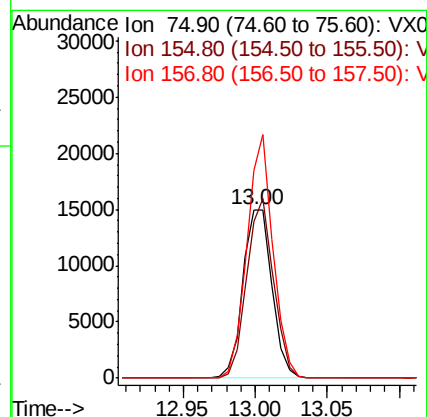
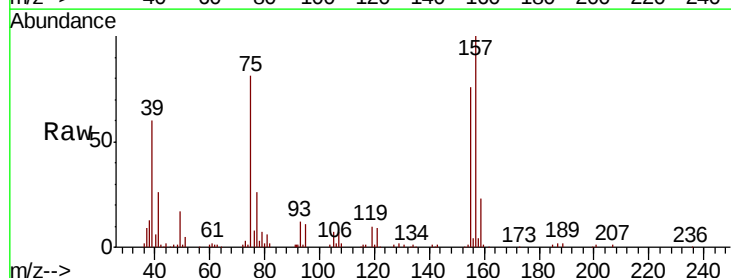
Tgt Ion: 75 Resp: 20946

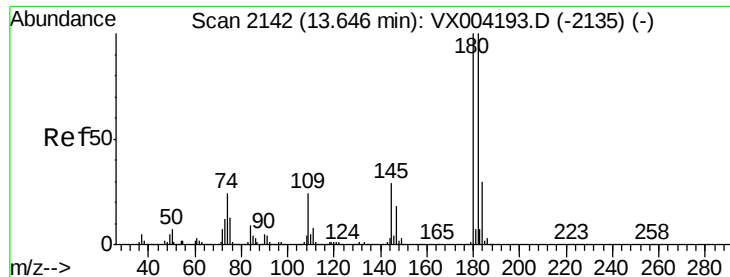
Ion Ratio Lower Upper

75 100

155 97.9 48.0 144.2

157 128.6 61.4 184.1





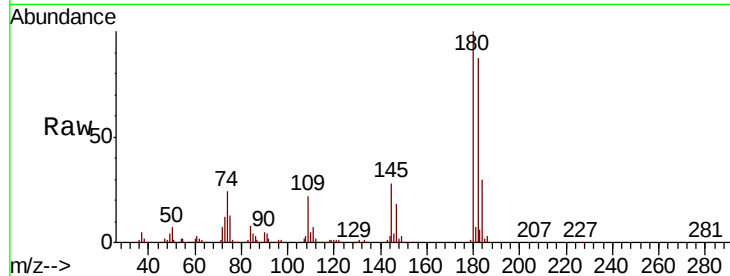
#93
 1,2,4-Trichlorobenzene
 Concen: 22.06 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004349.D
 Acq: 04 Sep 2018 16:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904MBS01

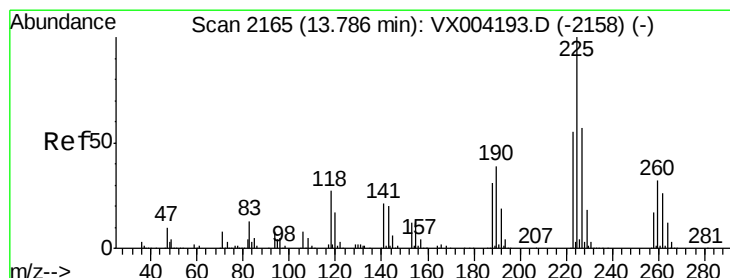
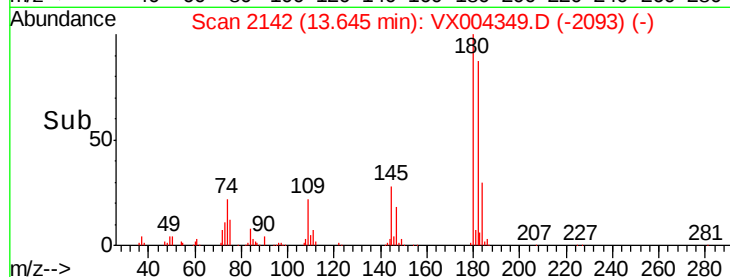
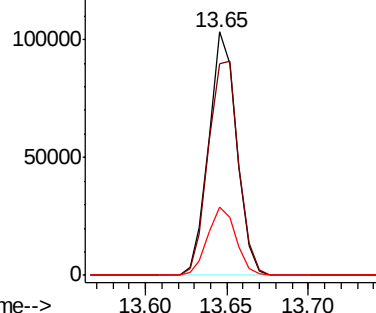
Tot Ion	Ratio	Resp	Lower	Upper
180	100	123598		
182	95.5	48.4	145.0	
145	28.4	14.3	42.9	

Manual Integrations
 APPROVED

MMDadoda
 9/5/2018 4:52:51 PM

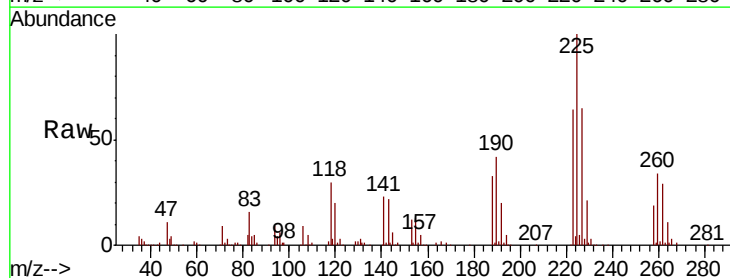


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

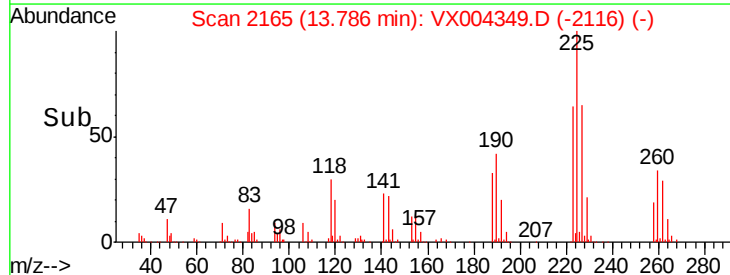
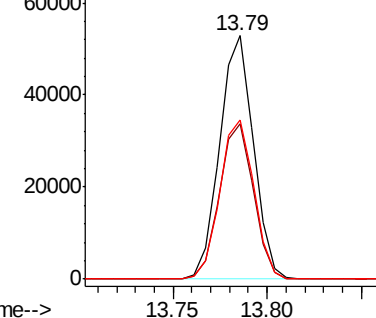


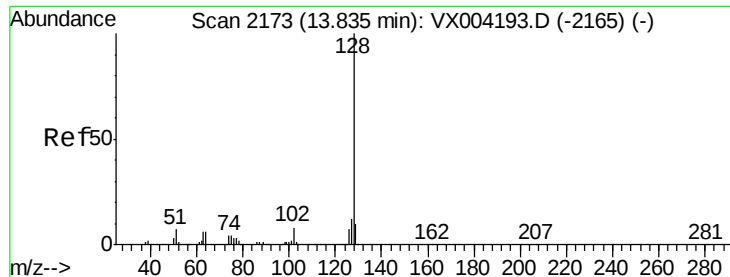
#94
 Hexachlorobutadiene
 Concen: 25.10 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX004349.D
 Acq: 04 Sep 2018 16:12

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	65608		
223	64.4	30.1	90.5	
227	66.1	30.8	92.4	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 23.79 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.00 min

Lab File: VX004349.D

Acq: 04 Sep 2018 16:12

Instrument :

MSVOA_X

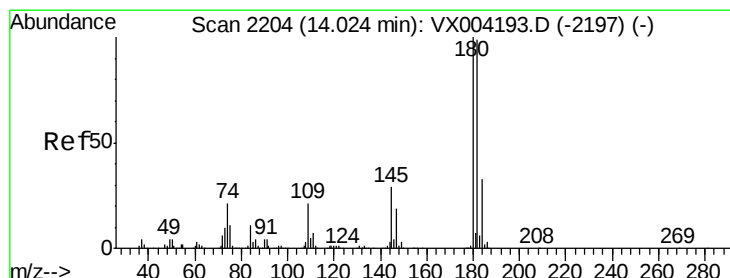
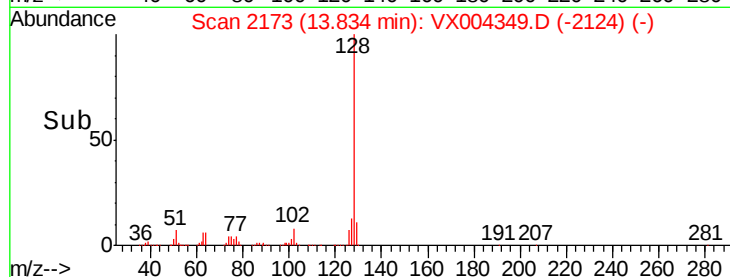
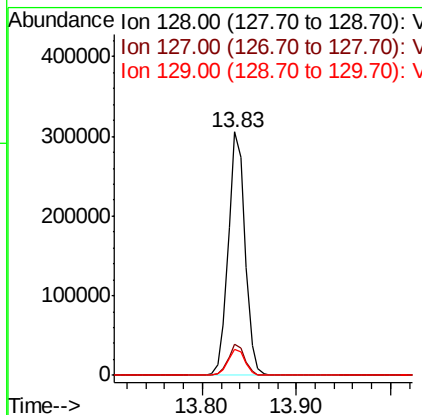
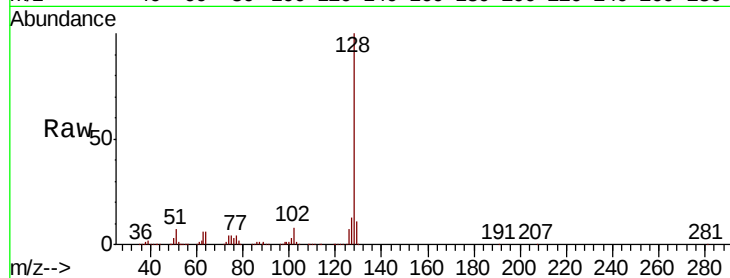
ClientSampleId :

VX0904MBS01

Tot Ion:	128	Resp:	376992
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.2	15.2
129	10.9	8.6	12.8

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#96

1,2,3-Trichlorobenzene

Concen: 22.66 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX004349.D

Acq: 04 Sep 2018 16:12

Tgt Ion:	180	Resp:	134410
Ion Ratio	Lower	Upper	
180	100		
182	95.9	48.5	145.6
145	29.2	14.9	44.9

