

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX111418\
 Data File : VX005970.D
 Acq On : 14 Nov 2018 13:23
 Operator : JC/MD
 Sample : VX1114WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1114WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/15/2018 1:04:55 PM

Quant Time: Nov 15 00:40:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	98352	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	147507	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	128370	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	71050	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	59121	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	
35) Dibromofluoromethane	5.50	113	47591	47.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.88%	
50) Toluene-d8	8.71	98	162657	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	
62) 4-Bromofluorobenzene	11.14	95	60628	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	17444	19.67	ug/l	84
3) Chloromethane	1.32	50	23218	19.95	ug/l	92
4) Vinyl Chloride	1.40	62	23322	19.96	ug/l	91
5) Bromomethane	1.64	94	13503	18.89	ug/l	98
6) Chloroethane	1.72	64	13374	19.19	ug/l	98
7) Trichlorofluoromethane	1.93	101	32383	20.88	ug/l	94
8) Diethyl Ether	2.19	74	12458	20.50	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.39	101	18728	21.00	ug/l	95
10) Methyl Iodide	2.51	142	18525	17.14	ug/l	100
11) Tert butyl alcohol	3.06	59	32221	99.48	ug/l	99
12) 1,1-Dichloroethene	2.37	96	16717	19.23	ug/l	89
13) Acrolein	2.29	56	23759	161.21	ug/l	95
14) Allyl chloride	2.73	41	43066	22.18	ug/l	98
15) Acrylonitrile	3.15	53	72979	108.72	ug/l	99
16) Acetone	2.45	43	64586	106.09	ug/l	93
17) Carbon Disulfide	2.57	76	49226	18.98	ug/l	98
18) Methyl Acetate	2.78	43	38744	22.95	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	62936	21.21	ug/l	99
20) Methylene Chloride	2.85	84	20187	20.19	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	18400	20.07	ug/l	92
22) Diisopropyl ether	3.87	45	73643	21.65	ug/l	92
23) Vinyl Acetate	3.82	43	320796	110.00	ug/l	98
24) 1,1-Dichloroethane	3.70	63	37626	20.74	ug/l	98
25) 2-Butanone	4.70	43	100004	104.49	ug/l	99
26) 2,2-Dichloropropane	4.58	77	28840	21.67	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	19647	19.41	ug/l	89
28) Bromochloromethane	5.01	49	17661	21.78	ug/l	96
29) Tetrahydrofuran	5.15	42	62304	101.38	ug/l	99
30) Chloroform	5.21	83	37535	21.44	ug/l	# 82
31) Cyclohexane	5.57	56	29818	18.93	ug/l	87
32) 1,1,1-Trichloroethane	5.50	97	30037	20.57	ug/l	98
36) 1,1-Dichloropropene	5.79	75	24255	17.06	ug/l	97
37) Ethyl Acetate	4.85	43	36358	19.44	ug/l	99
38) Carbon Tetrachloride	5.78	117	27055	19.00	ug/l	91

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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	25154	17.45	ug/l	97
40) Benzene	6.14	78	75463	18.20	ug/l	98
41) Methacrylonitrile	5.06	41	18757	18.56	ug/l	98
42) 1,2-Dichloroethane	6.20	62	27976	18.84	ug/l	99
43) Isopropyl Acetate	6.46	43	49244	18.17	ug/l	100
44) Trichloroethene	7.21	130	18879	17.93	ug/l	99
45) 1,2-Dichloropropane	7.51	63	19260	19.14	ug/l	94
46) Dibromomethane	7.66	93	12209	19.34	ug/l	98
47) Bromodichloromethane	7.90	83	23826	19.97	ug/l	100
48) Methyl methacrylate	7.77	41	23854	19.61	ug/l	98
49) 1,4-Dioxane	7.75	88	9529	363.46	ug/l	93
51) 4-Methyl-2-Pentanone	8.65	43	165963	97.19	ug/l	99
52) Toluene	8.79	92	43451	18.75	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	25527	18.13	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	28028	19.53	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	18269	17.69	ug/l	99
56) Ethyl methacrylate	9.18	69	26116	16.90	ug/l	98
57) 1,3-Dichloropropane	9.37	76	30722	17.71	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	80687	100.95	ug/l	99
59) 2-Hexanone	9.49	43	132045	87.72	ug/l	98
60) Dibromochloromethane	9.59	129	18810	16.86	ug/l	99
61) 1,2-Dibromoethane	9.67	107	18987	16.63	ug/l	98
64) Tetrachloroethene	9.34	164	20418	18.68	ug/l	98
65) Chlorobenzene	10.14	112	49168	19.12	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	17929	20.05	ug/l	99
67) Ethyl Benzene	10.25	91	81512	19.77	ug/l	100
68) m/p-Xylenes	10.36	106	63270	40.22	ug/l	97
69) o-Xylene	10.70	106	30095	21.34	ug/l	99
70) Styrene	10.71	104	50031	21.50	ug/l	99
71) Bromoform	10.86	173	15298	20.41	ug/l #	100
73) Isopropylbenzene	11.02	105	83328	20.28	ug/l	100
74) N-amyl acetate	10.90	43	39566	17.98	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	29492	19.56	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	29450m	20.36	ug/l	
77) Bromobenzene	11.26	156	22219	19.19	ug/l	99
78) n-propylbenzene	11.36	91	96900	20.01	ug/l	98
79) 2-Chlorotoluene	11.42	91	58664	20.04	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	71359	20.44	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	8828	19.45	ug/l	95
82) 4-Chlorotoluene	11.51	91	69581	20.17	ug/l	99
83) tert-Butylbenzene	11.77	119	69237	19.60	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	74815	19.34	ug/l	98
85) sec-Butylbenzene	11.94	105	85474	19.79	ug/l	99
86) p-Isopropyltoluene	12.07	119	74958	19.59	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	41194	18.53	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	42308	18.60	ug/l	98
89) n-Butylbenzene	12.39	91	65893	18.58	ug/l	99
90) Hexachloroethane	12.60	117	12225	19.14	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	41854	18.80	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	7232	19.65	ug/l	99

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Instrument :
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ClientSampleId :
VX1114WBS01

Manual Integrations
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Quant Time: Nov 15 00:40:40 2018
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Quant Title : SW846 8260
QLast Update : Wed Nov 07 14:40:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	29614	18.89	ug/l	99
94) Hexachlorobutadiene	13.78	225	15410	18.72	ug/l	100
95) Naphthalene	13.83	128	89283	18.23	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	30843	19.32	ug/l	99

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

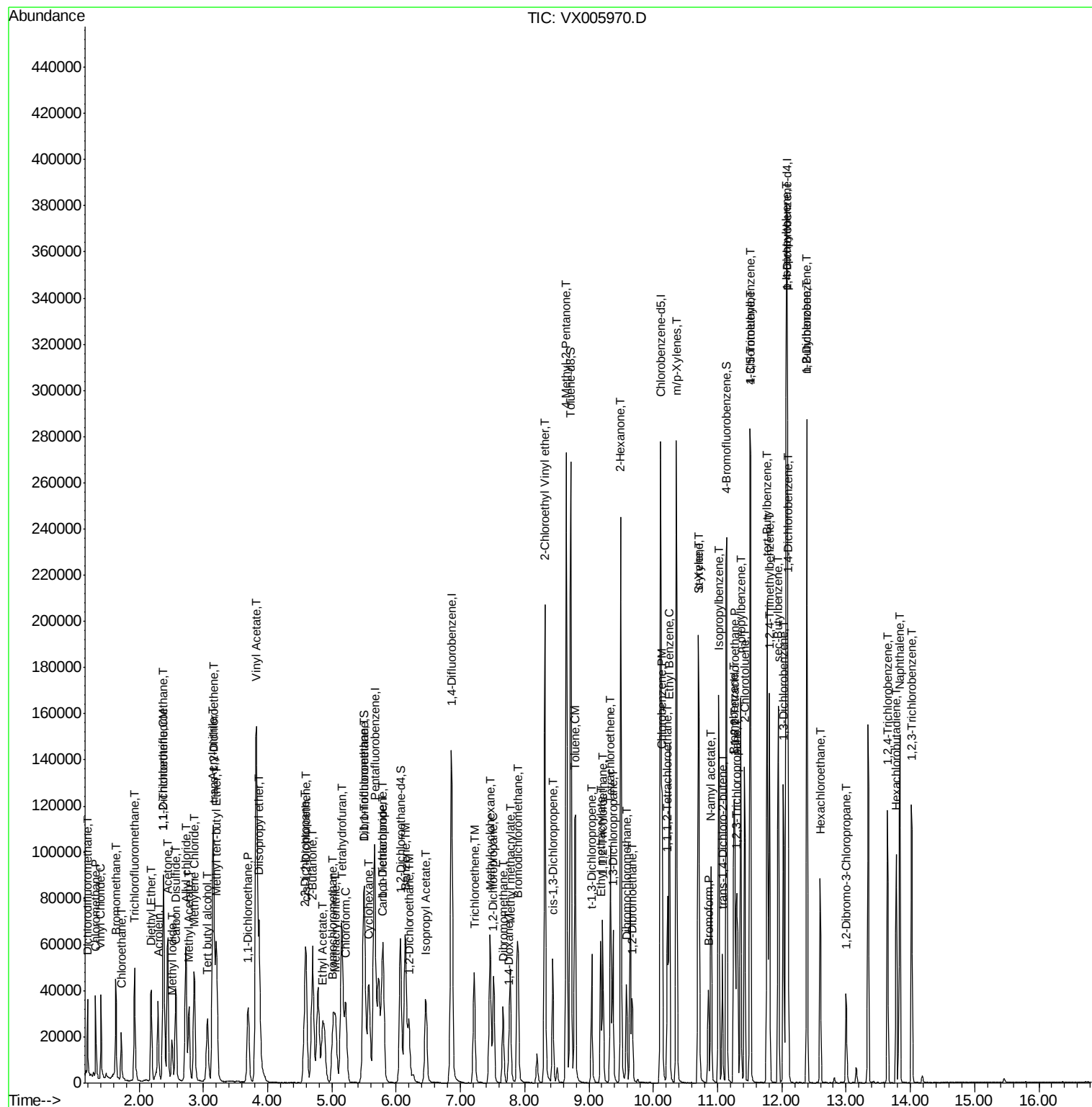
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Data File : VX005970.D
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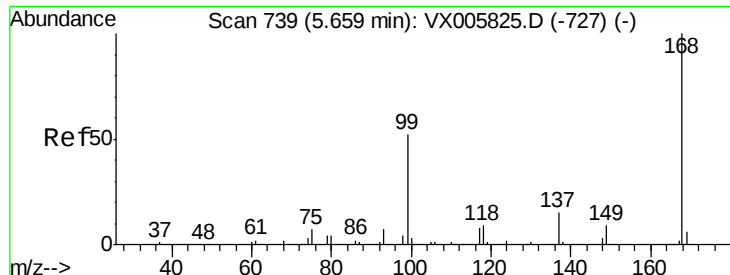
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MSVOA_X
Client Sampled :
VX1114WBS01

Manual Integrations
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Quant Title : SW846 8260
QLast Update : Wed Nov 07 14:40:53 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX005970.D

Acq: 14 Nov 2018 13:23

Instrument :

MSVOA_X

ClientSampleId :

VX1114WBS01

Tgt Ion:168 Resp: 98352

Ion Ratio Lower Upper

168 100

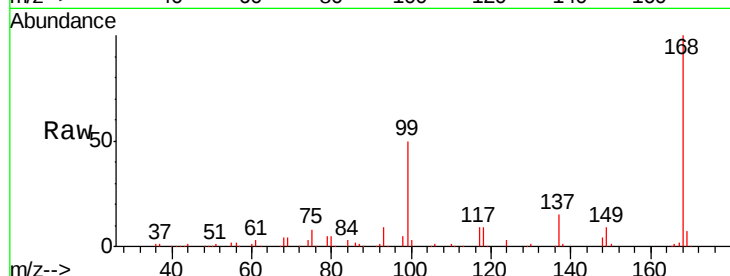
99 50.1 40.7 61.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

40000

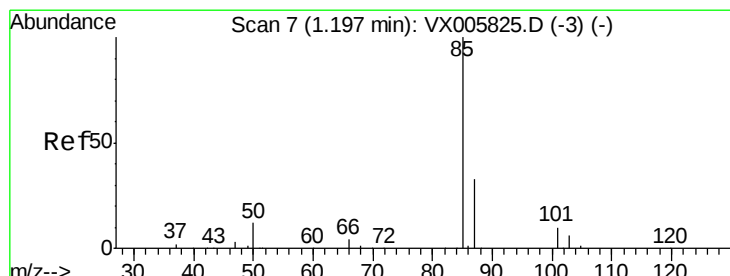
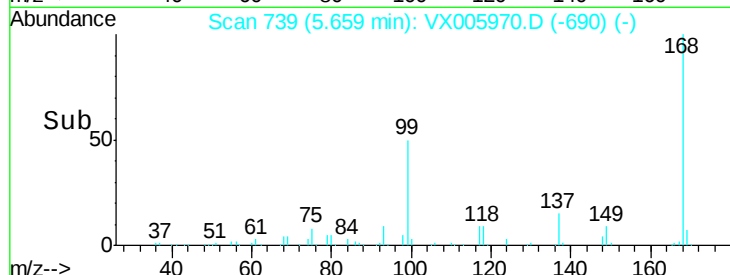
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 19.67 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX005970.D

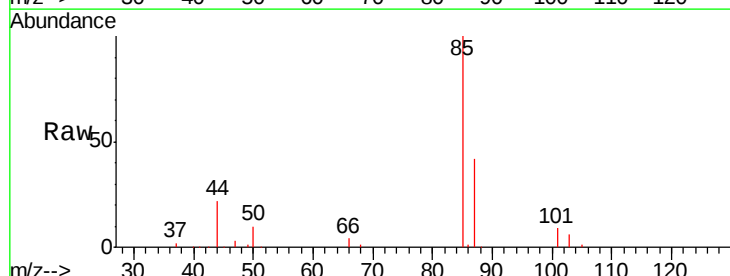
Acq: 14 Nov 2018 13:23

Tgt Ion: 85 Resp: 17444

Ion Ratio Lower Upper

85 100

87 41.7 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

20000

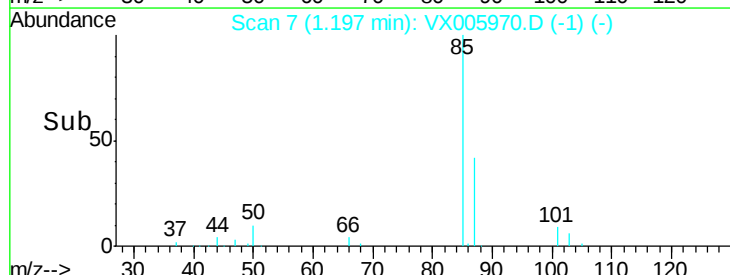
15000

10000

5000

0

Time--> 1.15 1.20 1.25





#3

Chloromethane

Concen: 19.95 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005970.D

Acq: 14 Nov 2018 13:23

Instrument :

MSVOA_X

ClientSampleId :

VX1114WBS01

Tgt Ion: 50 Resp: 23218

Ion Ratio Lower Upper

50 100

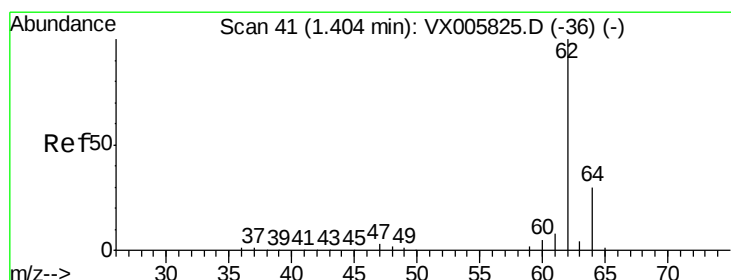
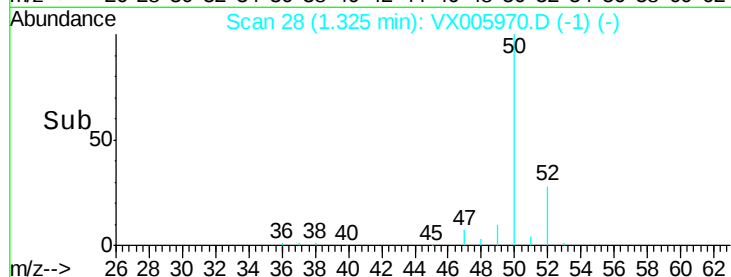
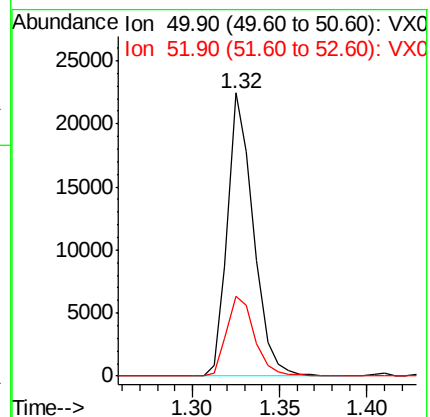
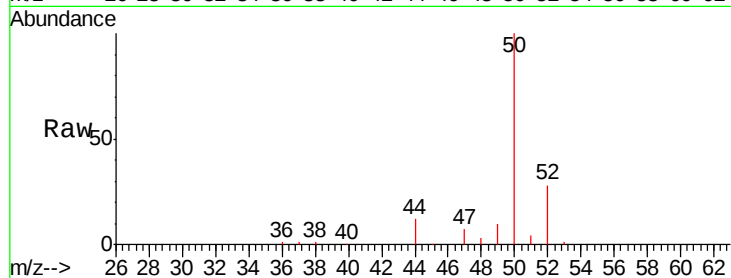
52 28.2 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.96 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX005970.D

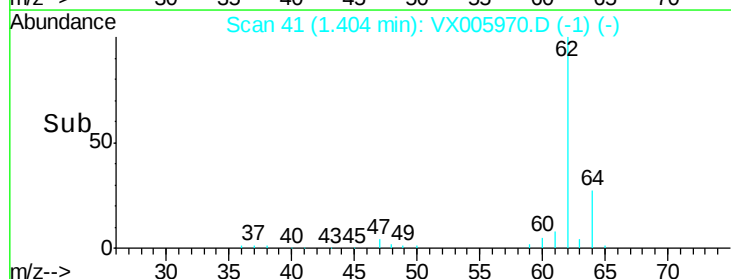
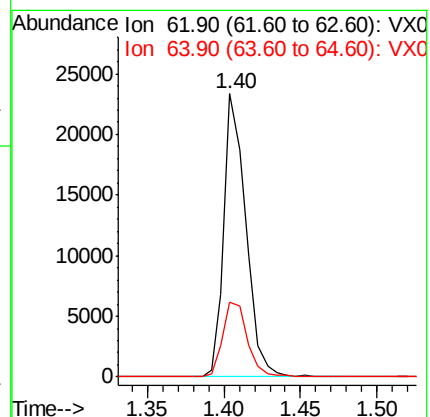
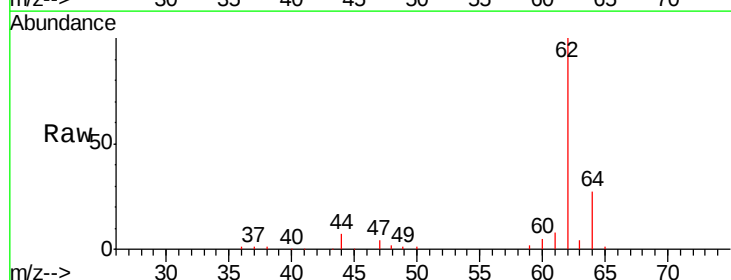
Acq: 14 Nov 2018 13:23

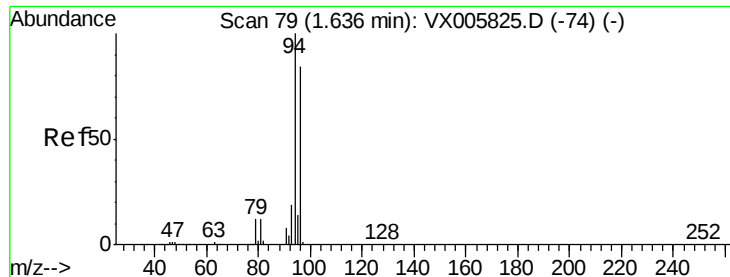
Tgt Ion: 62 Resp: 23322

Ion Ratio Lower Upper

62 100

64 26.6 25.3 37.9





#5

Bromomethane

Concen: 18.89 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005970.D

Acq: 14 Nov 2018 13:23

Instrument :

MSVOA_X

ClientSampleId :

VX1114WBS01

Tgt Ion: 94 Resp: 13503

Ion Ratio Lower Upper

94 100

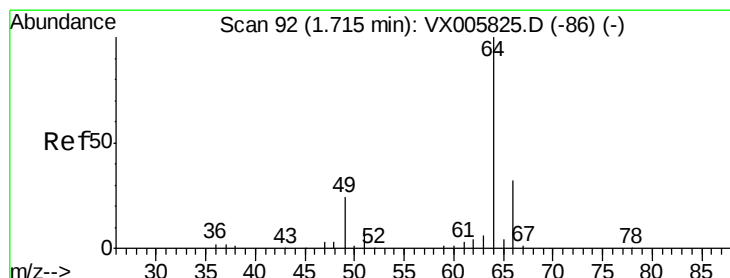
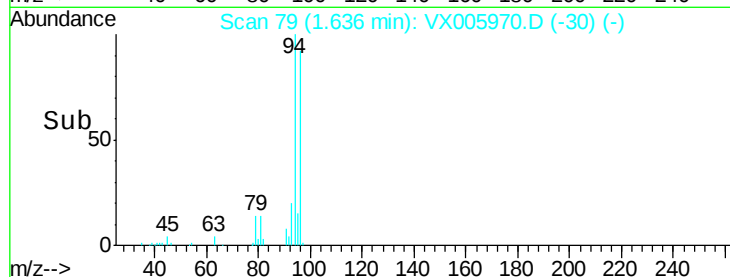
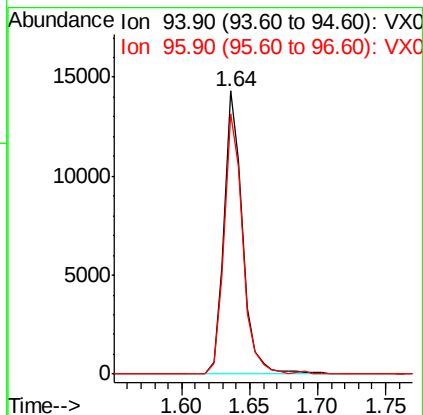
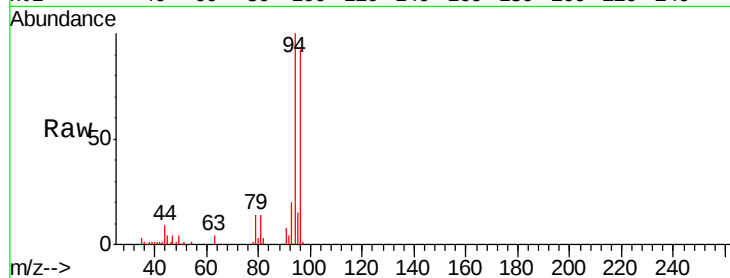
96 92.0 75.2 112.8

Manual Integrations

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#6

Chloroethane

Concen: 19.19 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005970.D

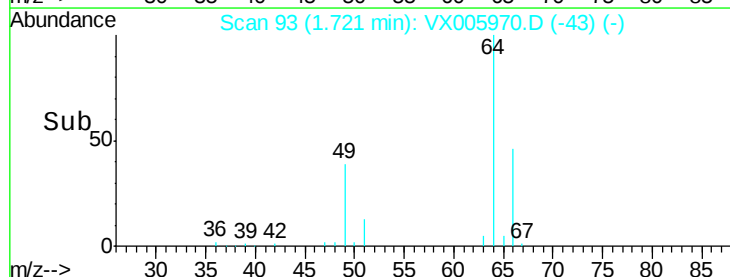
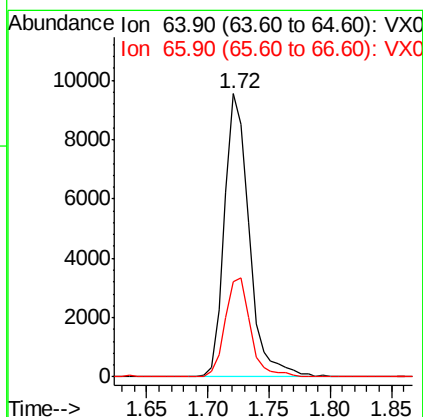
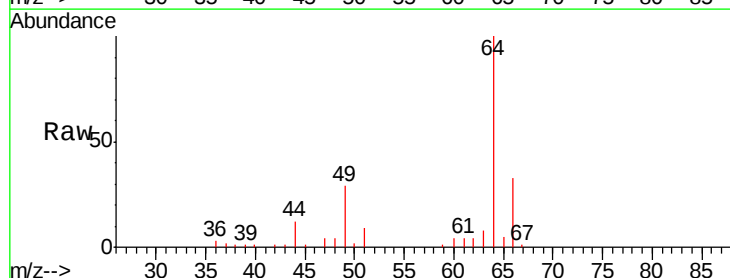
Acq: 14 Nov 2018 13:23

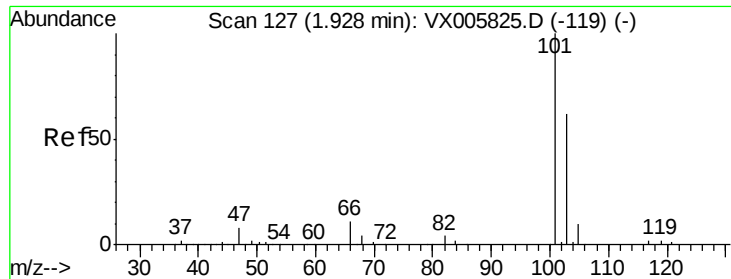
Tgt Ion: 64 Resp: 13374

Ion Ratio Lower Upper

64 100

66 33.5 25.8 38.6





#7

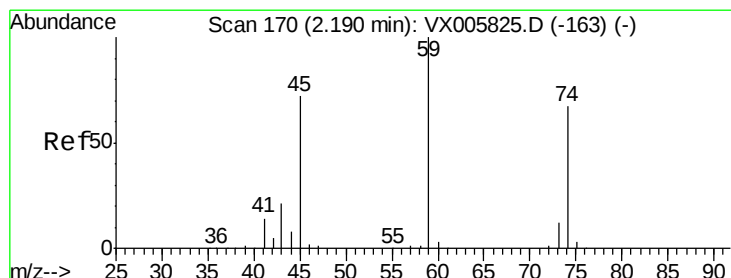
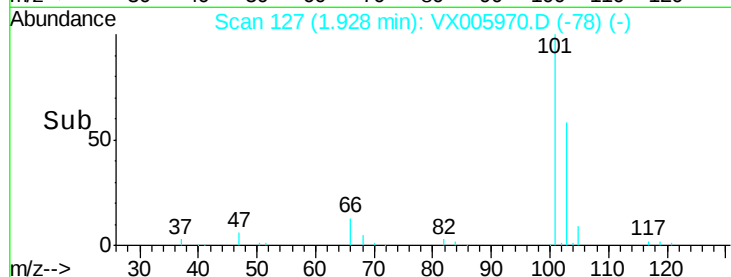
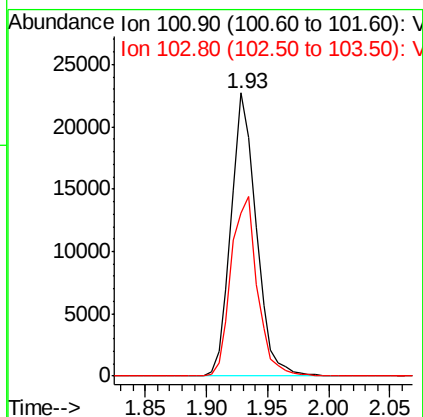
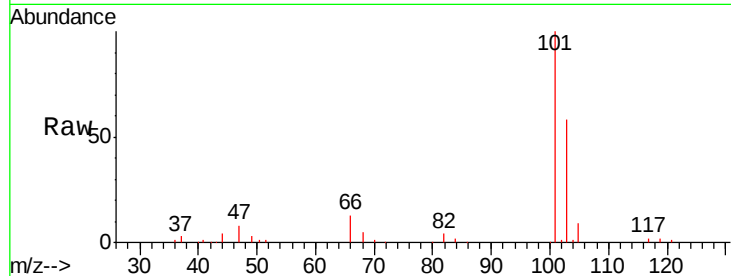
Trichlorofluoromethane
 Concen: 20.88 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.00 min
 Lab File: VX005970.D
 Acq: 14 Nov 2018 13:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1114WBS01

Tgt Ion: 101 Resp: 32383
 Ion Ratio Lower Upper
 101 100
 103 57.7 50.0 75.0

Manual Integrations
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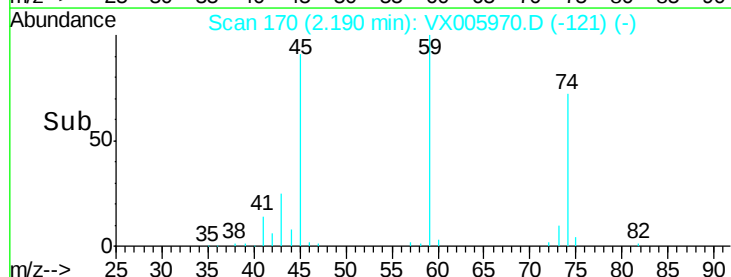
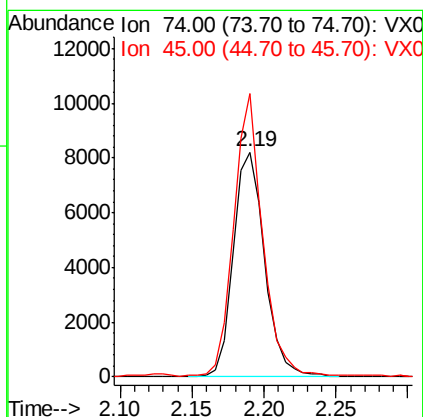
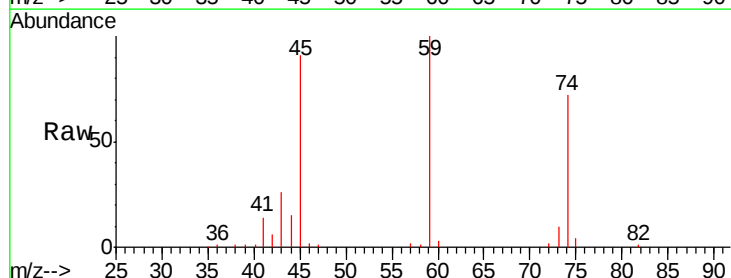
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 11/15/2018 1:04:55 PM



#8

Diethyl Ether
 Concen: 20.50 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX005970.D
 Acq: 14 Nov 2018 13:23

Tgt Ion: 74 Resp: 12458
 Ion Ratio Lower Upper
 74 100
 45 118.3 54.1 162.3





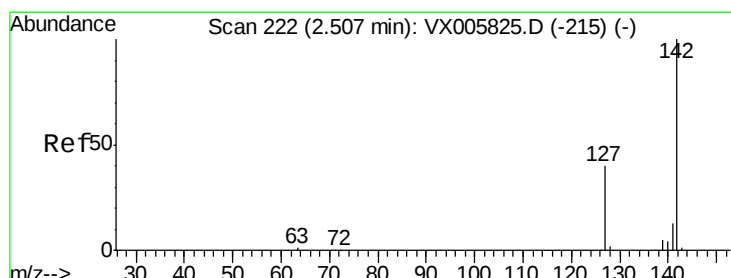
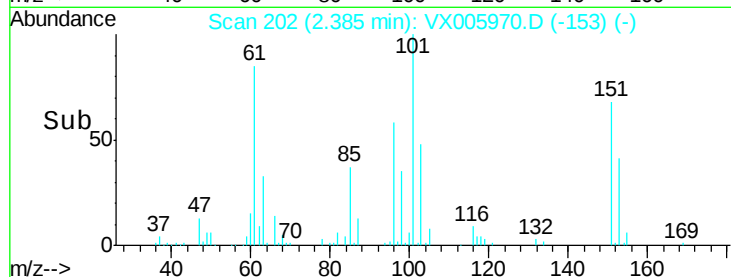
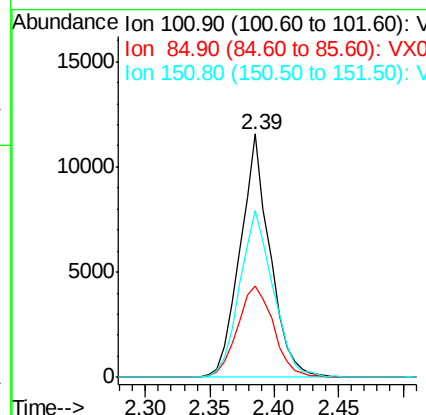
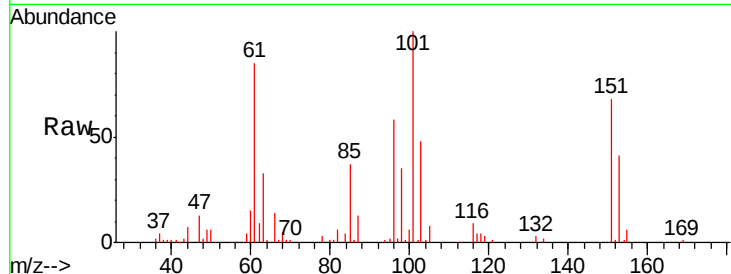
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 21.00 ug/l
 RT: 2.39 min Scan# 202
 Delta R.T. 0.00 min
 Lab File: VX005970.D
 Acq: 14 Nov 2018 13:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1114WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	18728		
85	44.9	35.0	52.4	
151	76.2	66.2	99.2	

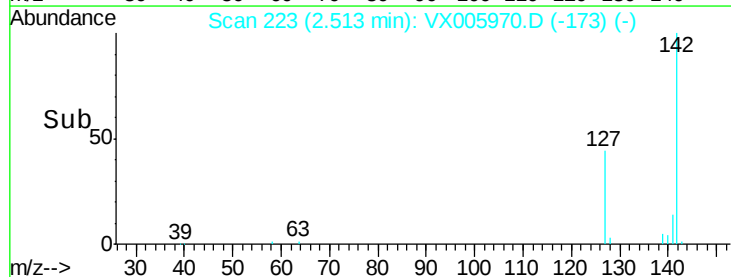
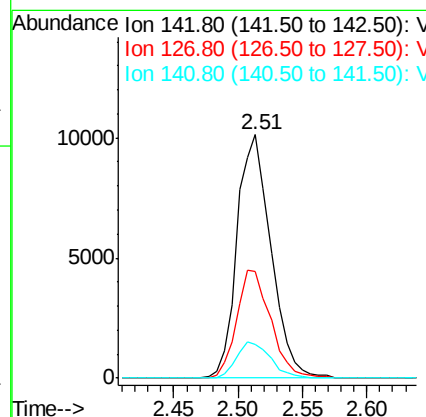
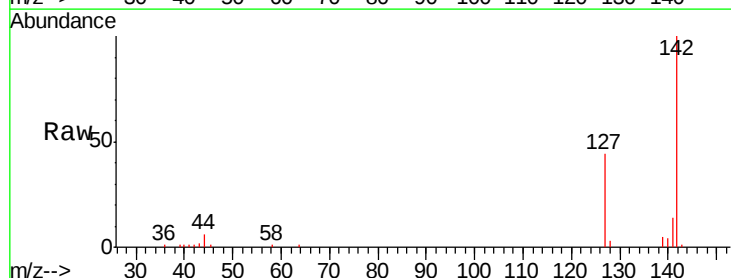
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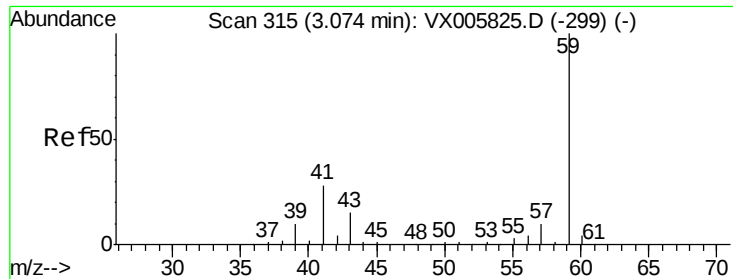
MMDadoda
 11/15/2018 1:04:55 PM



#10
 Methyl Iodide
 Concen: 17.14 ug/l
 RT: 2.51 min Scan# 223
 Delta R.T. 0.01 min
 Lab File: VX005970.D
 Acq: 14 Nov 2018 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	18525		
127	44.7	36.0	54.0	
141	14.6	11.7	17.5	





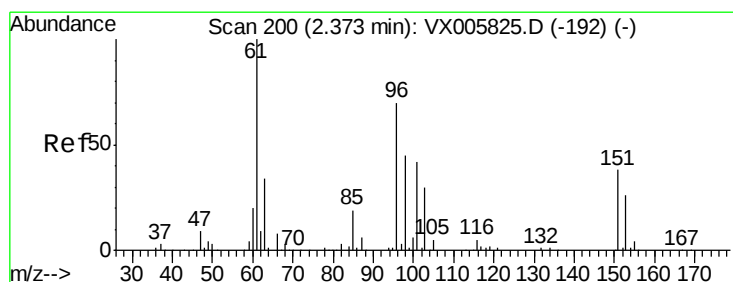
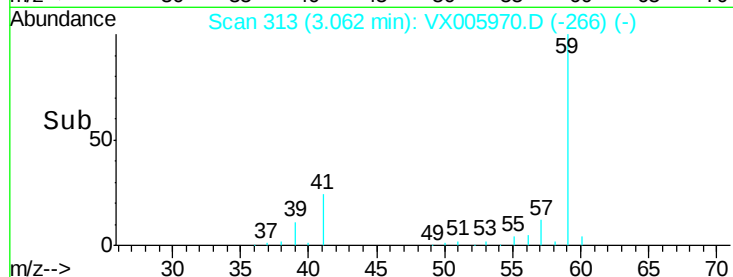
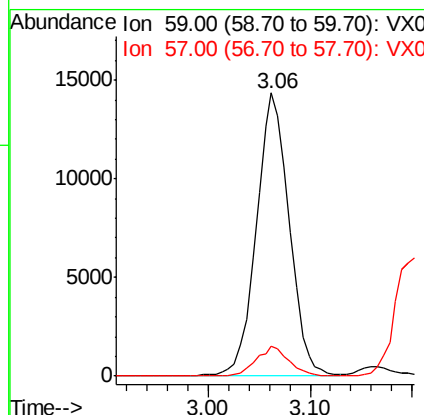
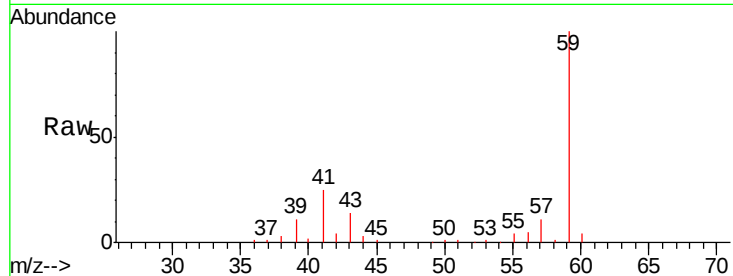
#11
Tert butyl alcohol
Concen: 99.48 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.01 min
Lab File: VX005970.D
Acq: 14 Nov 2018 13:23

Instrument :
MSVOA_X
ClientSampleId :
VX1114WBS01

Tgt Ion: 59 Resp: 32221
Ion Ratio Lower Upper
59 100
57 10.2 8.5 12.7

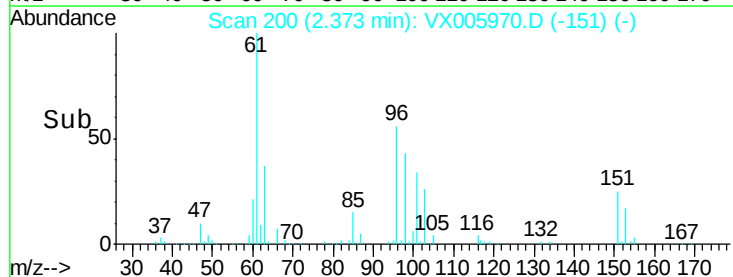
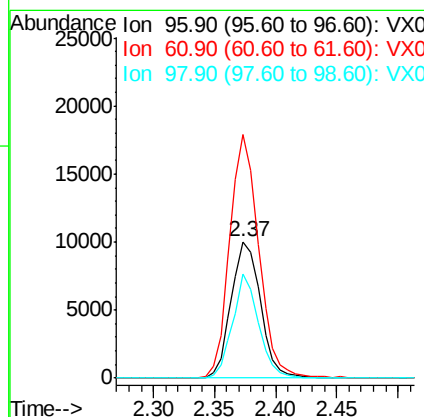
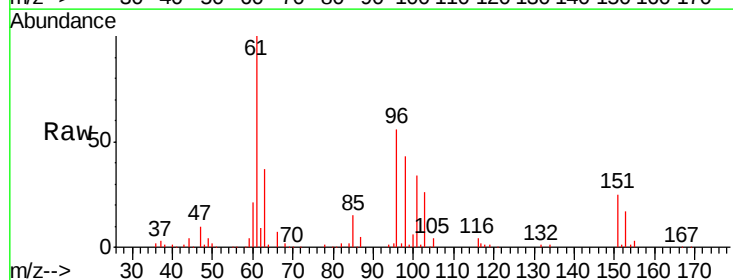
Manual Integrations
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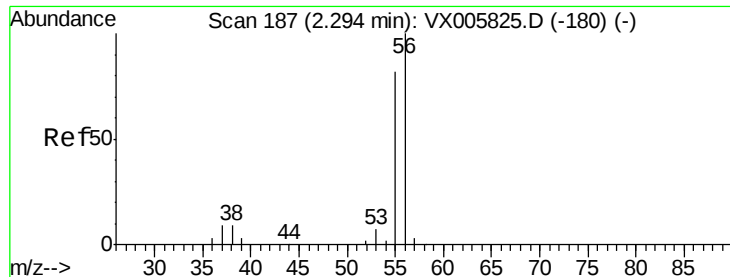
MMDadoda
11/15/2018 1:04:55 PM



#12
1,1-Dichloroethene
Concen: 19.23 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX005970.D
Acq: 14 Nov 2018 13:23

Tgt Ion: 96 Resp: 16717
Ion Ratio Lower Upper
96 100
61 178.1 131.8 197.8
98 76.5 53.4 80.2





#13

Acrolein

Concen: 161.21 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005970.D

Acq: 14 Nov 2018 13:23

Instrument :

MSVOA_X

ClientSampleId :

VX1114WBS01

Tgt Ion: 56 Resp: 23759

Ion Ratio Lower Upper

56 100

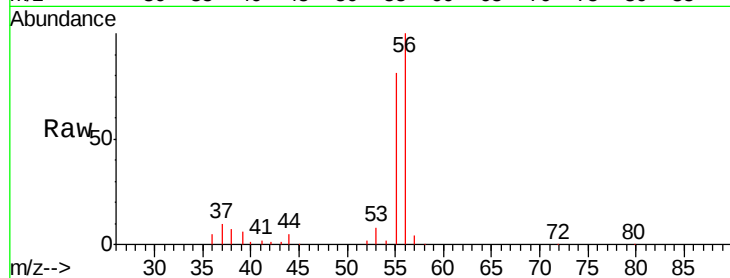
55 75.4 57.3 85.9

Manual Integrations

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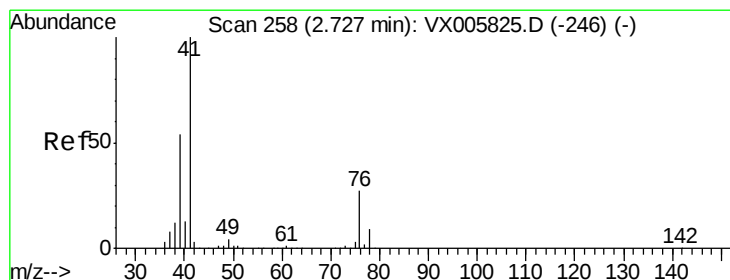
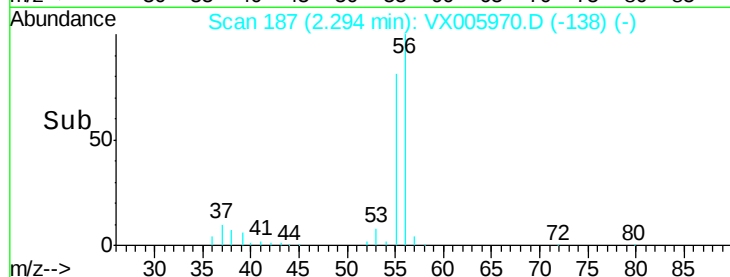
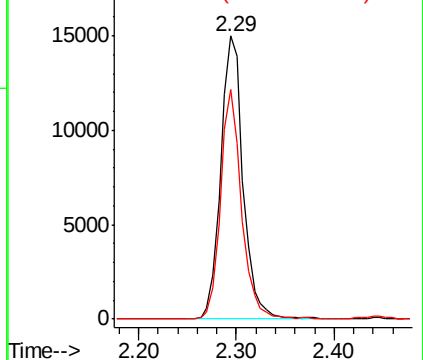
MMDadoda

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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: 22.18 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX005970.D

Acq: 14 Nov 2018 13:23

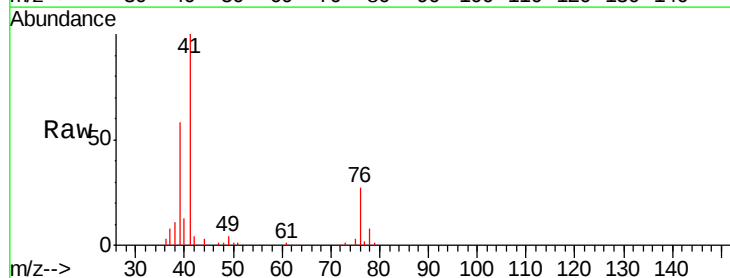
Tgt Ion: 41 Resp: 43066

Ion Ratio Lower Upper

41 100

39 60.6 48.2 72.4

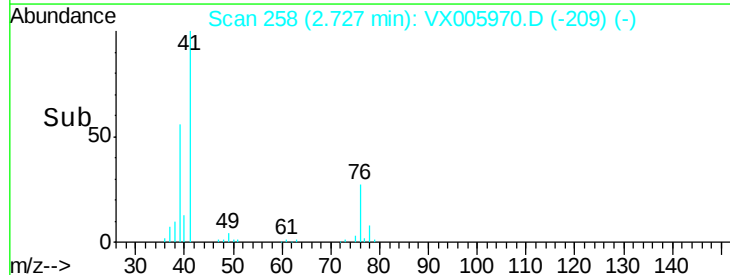
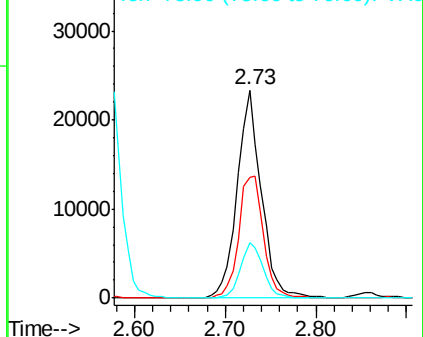
76 25.0 21.9 32.9

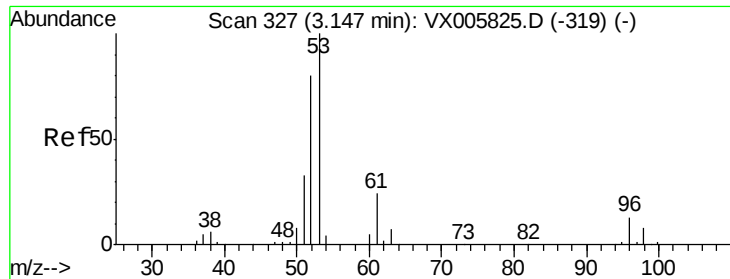


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 108.72 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX005970.D

Acq: 14 Nov 2018 13:23

Instrument :

MSVOA_X

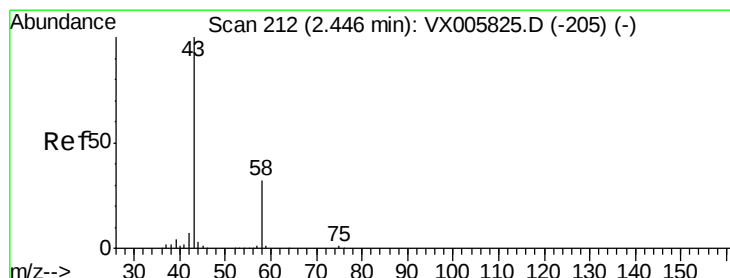
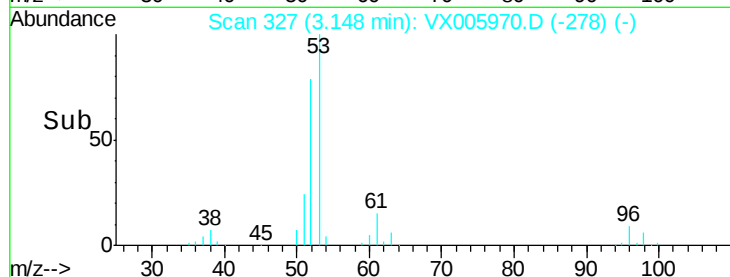
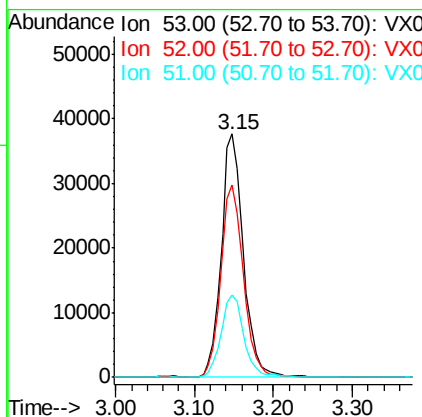
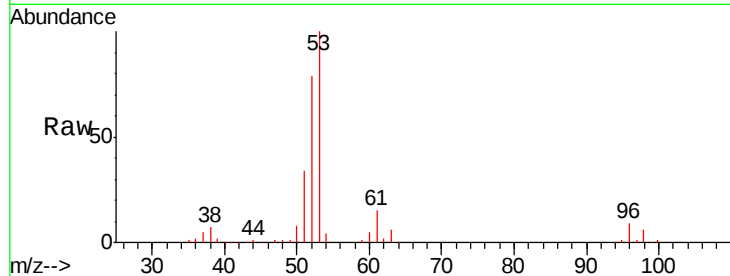
ClientSampleId :

VX1114WBS01

Tgt Ion:	53	Resp:	72979
Ion	Ratio	Lower	Upper
53	100		
52	81.6	66.6	99.8
51	35.8	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 106.09 ug/l

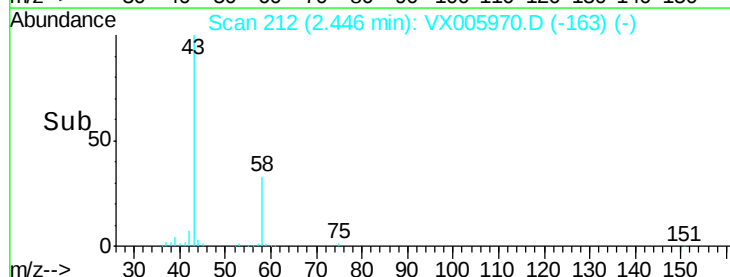
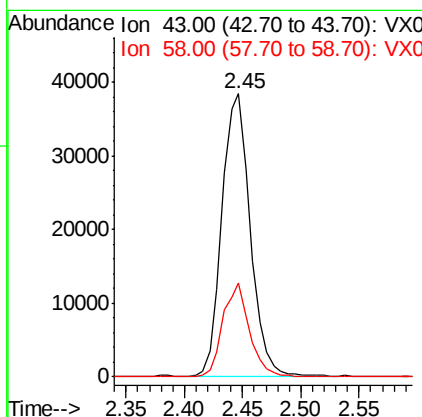
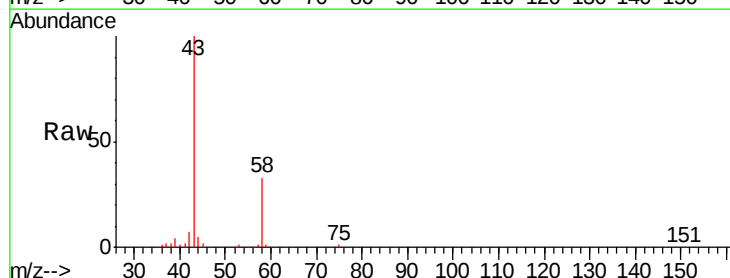
RT: 2.45 min Scan# 212

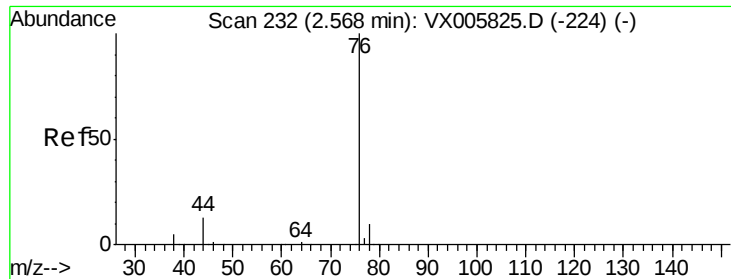
Delta R.T. 0.00 min

Lab File: VX005970.D

Acq: 14 Nov 2018 13:23

Tgt Ion:	43	Resp:	64586
Ion	Ratio	Lower	Upper
43	100		
58	33.3	23.8	35.6





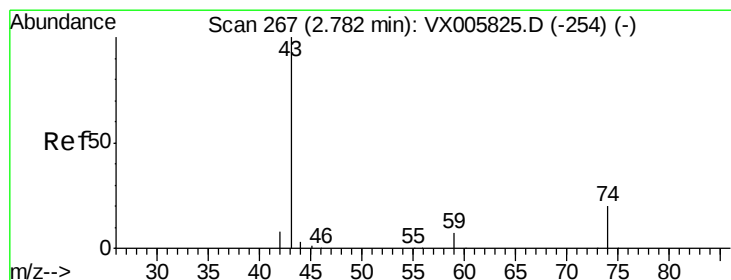
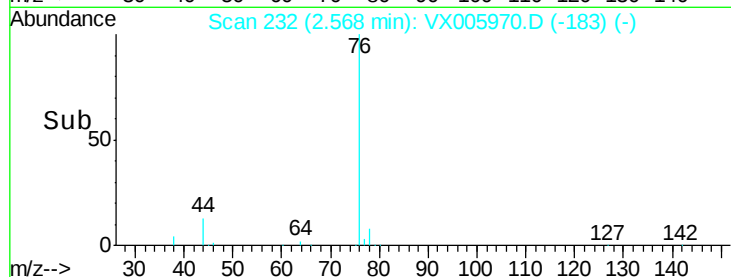
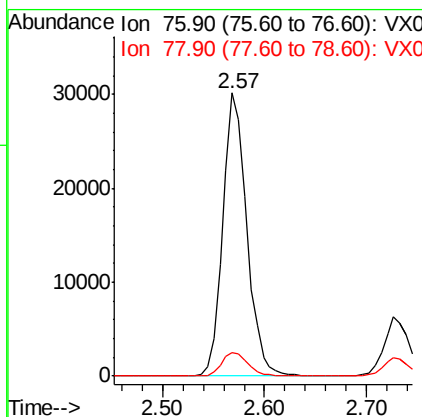
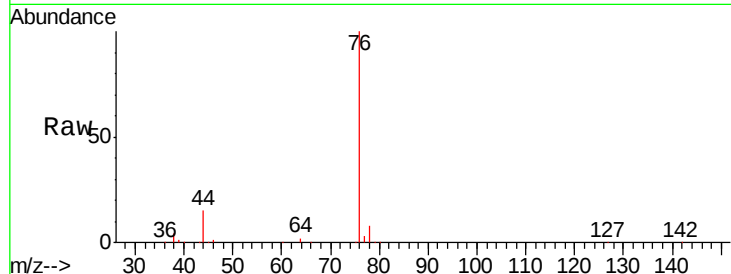
#17
Carbon Disulfide
Concen: 18.98 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX005970.D
Acq: 14 Nov 2018 13:23

Instrument :
MSVOA_X
ClientSampleId :
VX1114WBS01

Tgt Ion: 76 Resp: 49226
Ion Ratio Lower Upper
76 100
78 8.2 7.3 10.9

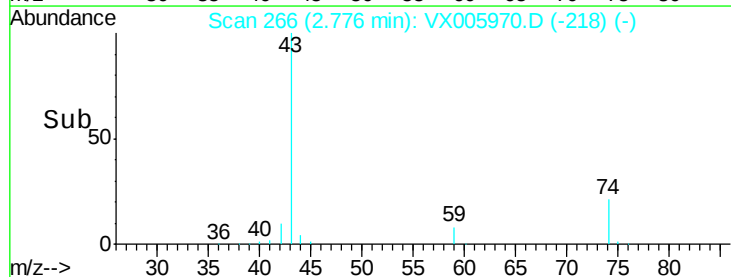
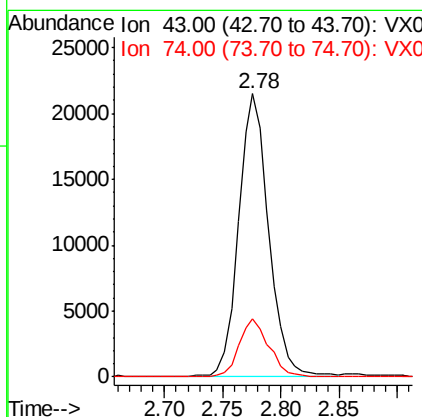
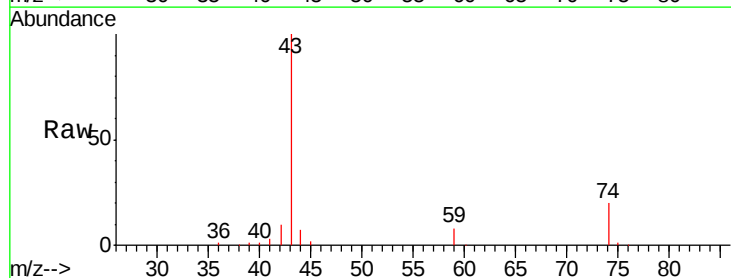
Manual Integrations
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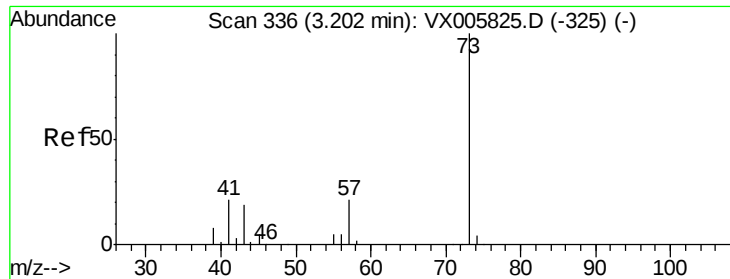
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11/15/2018 1:04:55 PM



#18
Methyl Acetate
Concen: 22.95 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005970.D
Acq: 14 Nov 2018 13:23

Tgt Ion: 43 Resp: 38744
Ion Ratio Lower Upper
43 100
74 20.3 16.8 25.2





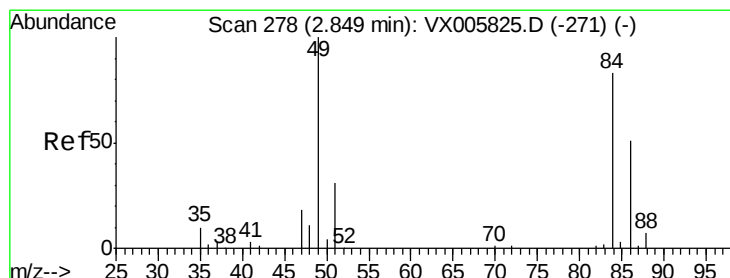
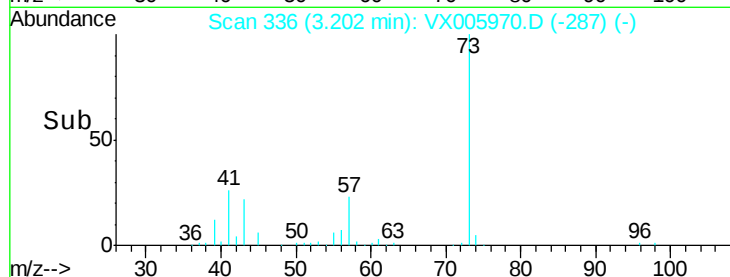
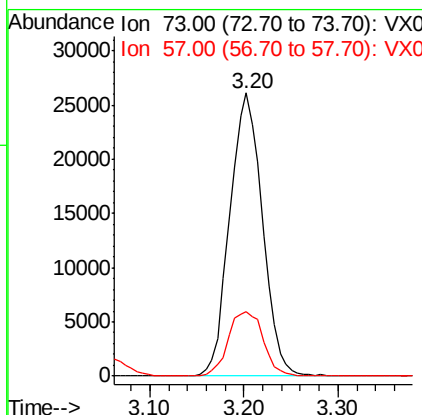
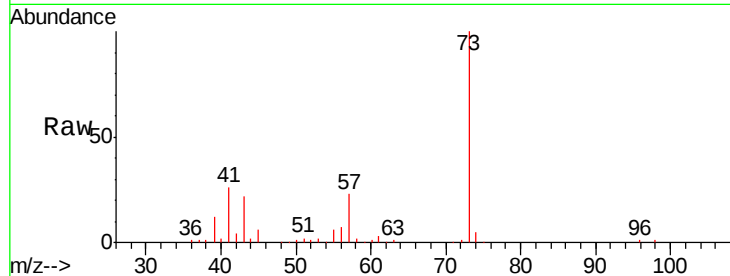
#19
Methyl tert-butyl Ether
Concen: 21.21 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX005970.D
Acq: 14 Nov 2018 13:23

Instrument :
MSVOA_X
ClientSampleId :
VX1114WBS01

Tgt Ion: 73 Resp: 62936
Ion Ratio Lower Upper
73 100
57 22.9 18.8 28.2

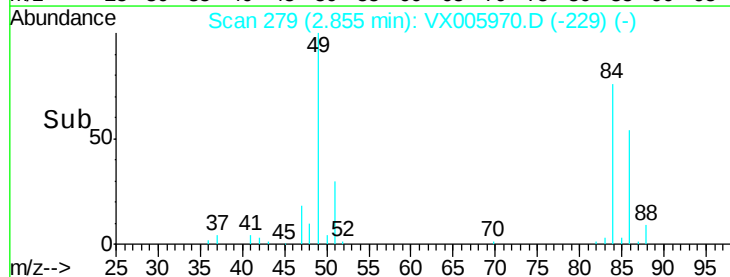
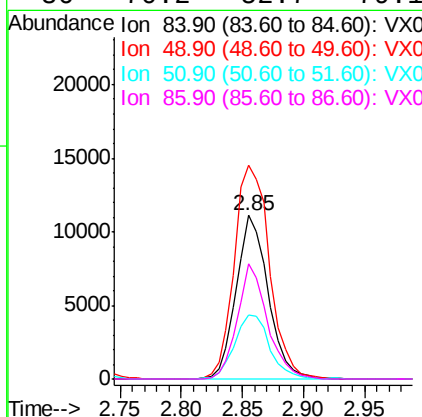
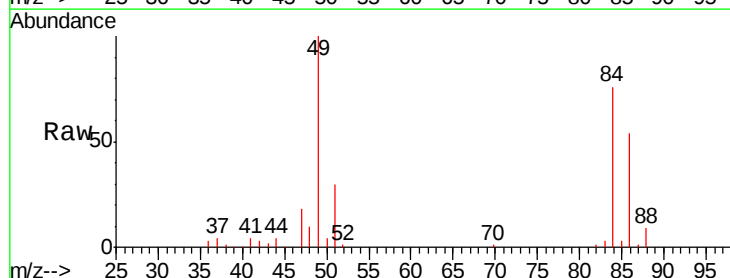
Manual Integrations
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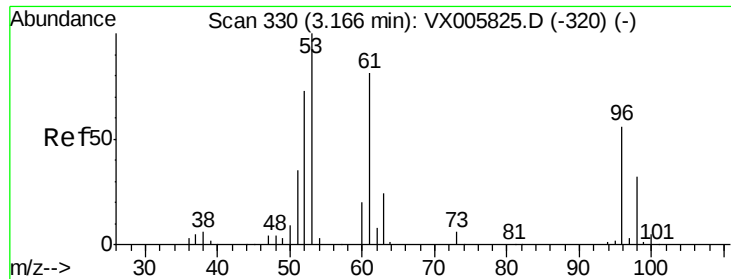
MMDadoda
11/15/2018 1:04:55 PM



#20
Methylene Chloride
Concen: 20.19 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.01 min
Lab File: VX005970.D
Acq: 14 Nov 2018 13:23

Tgt Ion: 84 Resp: 20187
Ion Ratio Lower Upper
84 100
49 130.9 109.5 164.3
51 39.5 33.3 49.9
86 70.2 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 20.07 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX005970.D

Acq: 14 Nov 2018 13:23

Instrument :

MSVOA_X

ClientSampleId :

VX1114WBS01

Tgt Ion: 96 Resp: 18400

Ion Ratio Lower Upper

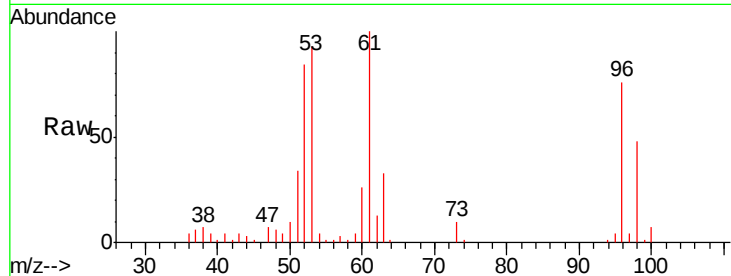
96 100

61 131.6 115.6 173.4

98 63.6 50.2 75.2

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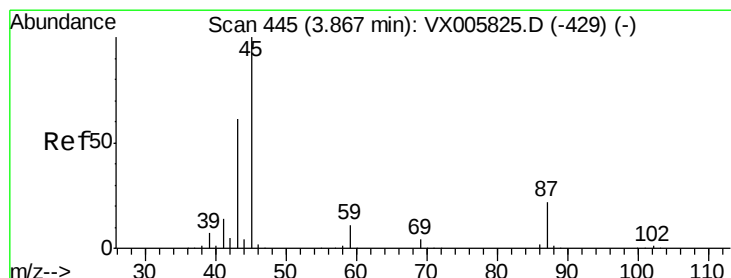
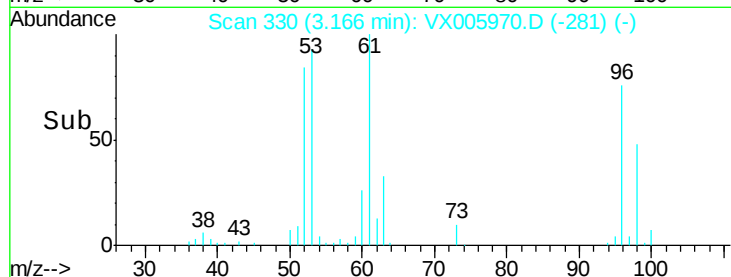
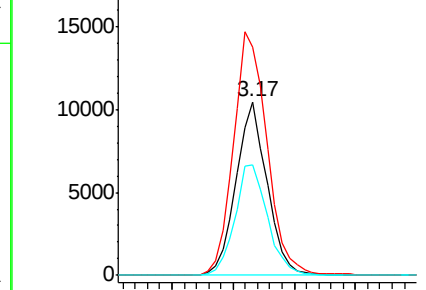
MMDadoda
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Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 21.65 ug/l

RT: 3.87 min Scan# 445

Delta R.T. 0.00 min

Lab File: VX005970.D

Acq: 14 Nov 2018 13:23

Tgt Ion: 45 Resp: 73643

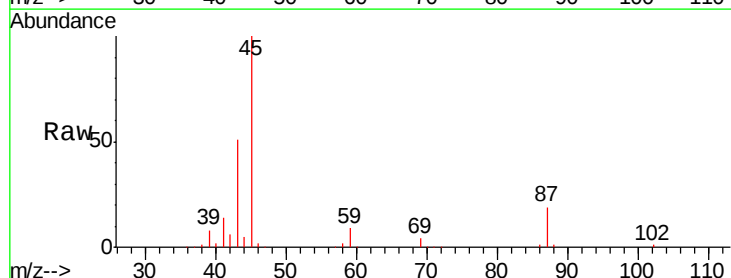
Ion Ratio Lower Upper

45 100

43 50.8 47.4 71.2

87 19.5 15.9 23.9

59 8.6 7.7 11.5

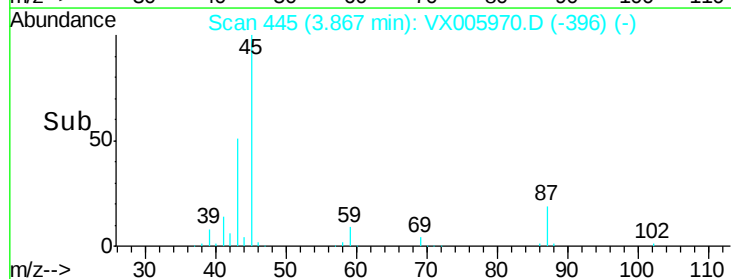
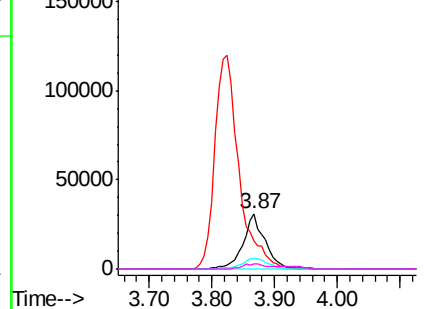


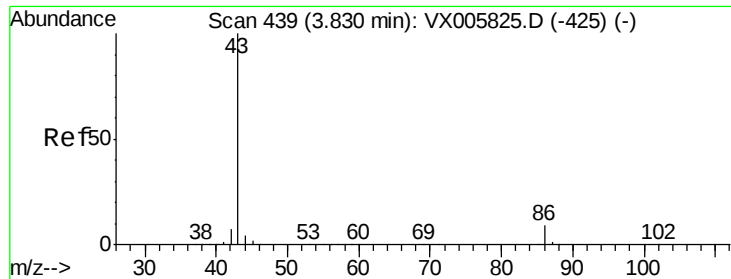
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





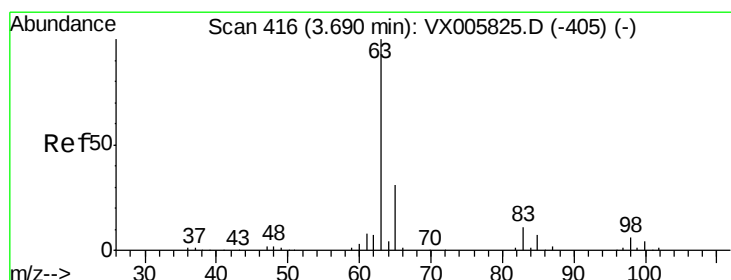
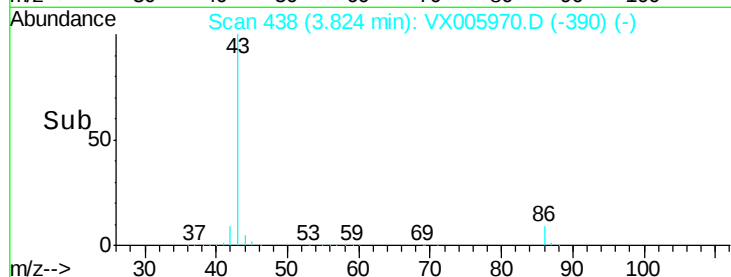
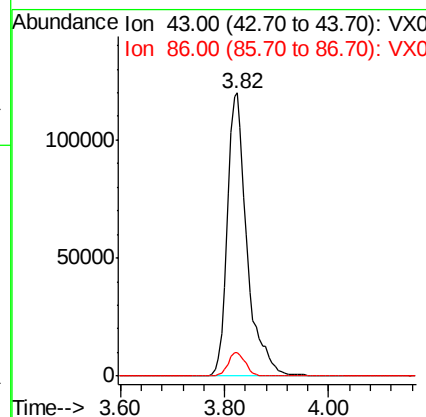
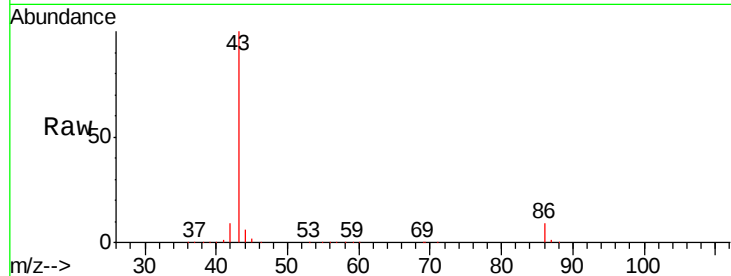
#23
 Vinyl Acetate
 Concen: 110.00 ug/l
 RT: 3.82 min Scan# 438
 Delta R.T. -0.01 min
 Lab File: VX005970.D
 Acq: 14 Nov 2018 13:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1114WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
86	8.5	7.4	11.2

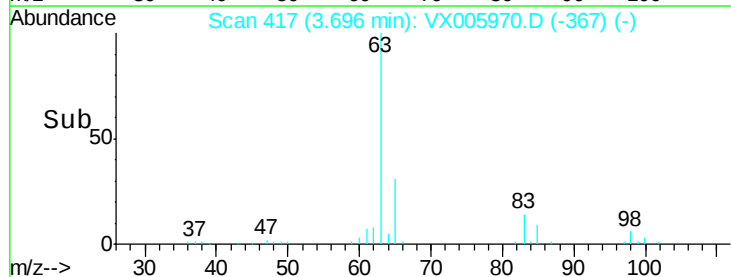
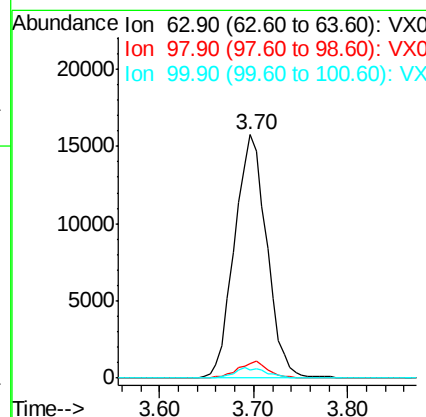
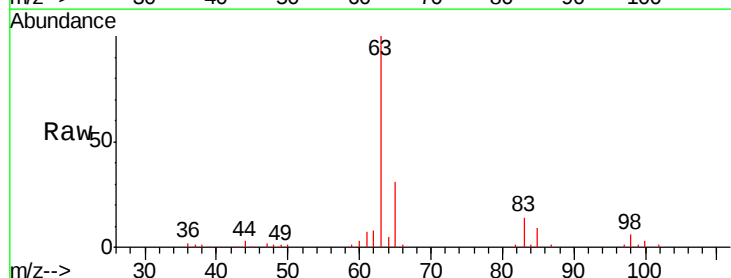
Manual Integrations
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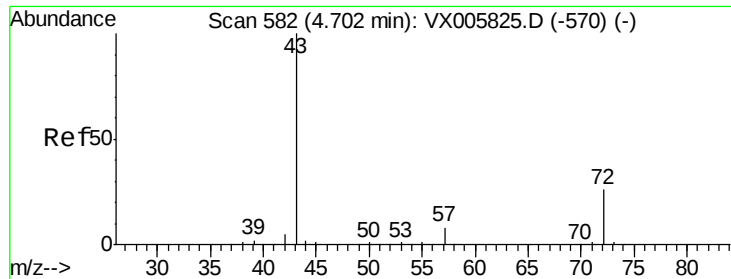
MMDadoda
 11/15/2018 1:04:55 PM



#24
 1,1-Dichloroethane
 Concen: 20.74 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. 0.01 min
 Lab File: VX005970.D
 Acq: 14 Nov 2018 13:23

Tgt Ion	Ratio	Lower	Upper
63	100		
98	5.8	3.2	9.6
100	3.2	2.1	6.2





#25

2-Butanone

Concen: 104.49 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX005970.D

Acq: 14 Nov 2018 13:23

Instrument :

MSVOA_X

ClientSampleId :

VX1114WBS01

Tgt Ion: 43 Resp: 100004

Ion Ratio Lower Upper

43 100

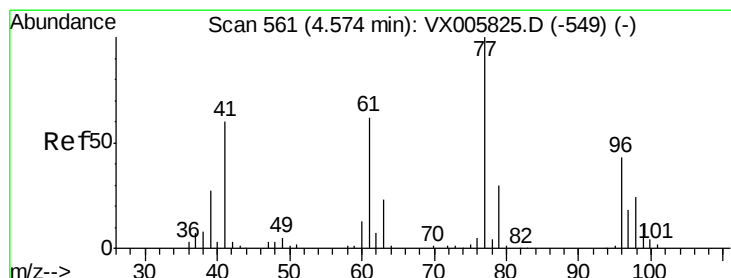
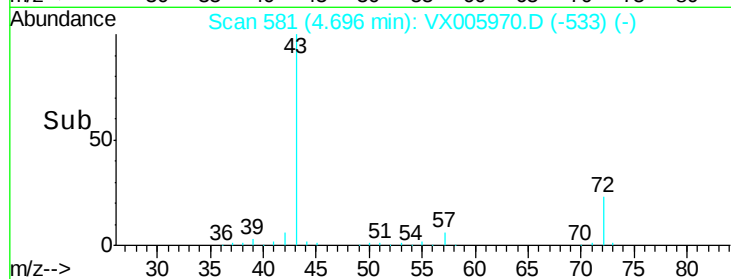
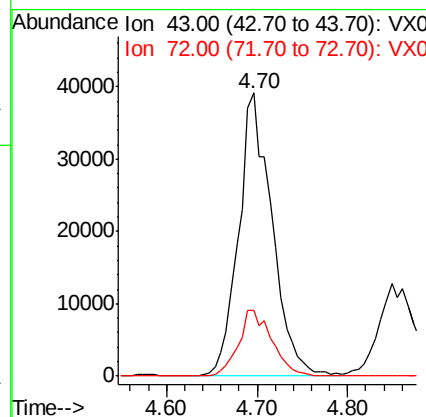
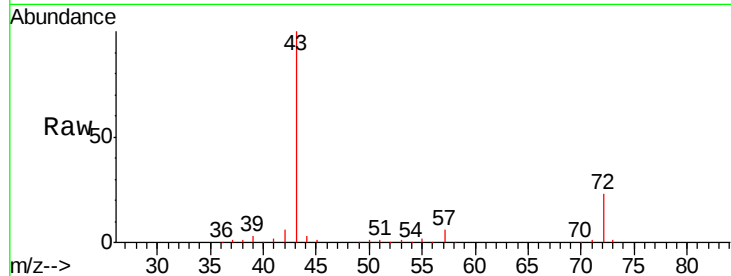
72 23.3 19.2 28.8

Manual Integrations

APPROVED

MMDadoda

11/15/2018 1:04:55 PM



#26

2,2-Dichloropropane

Concen: 21.67 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.01 min

Lab File: VX005970.D

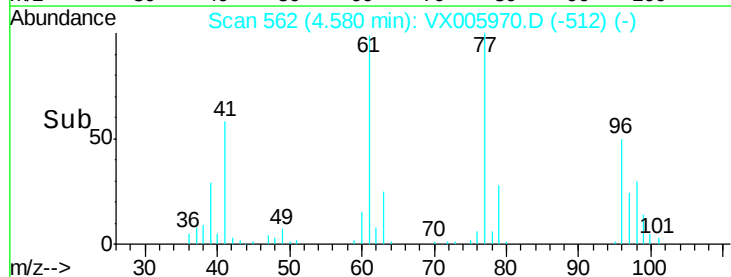
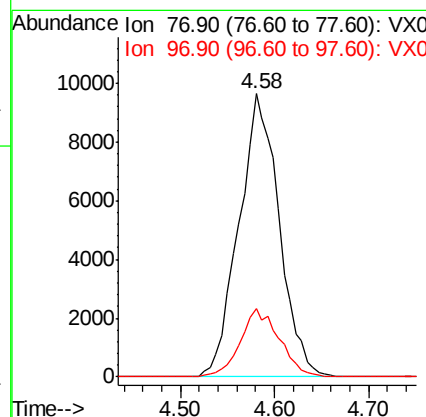
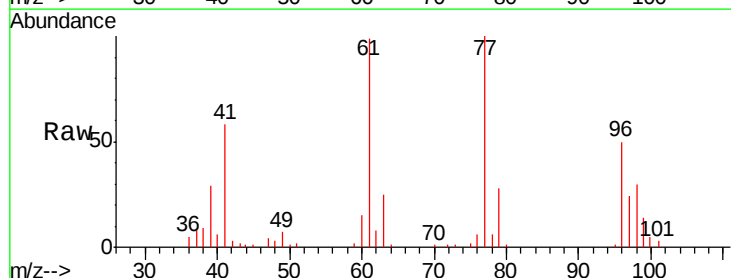
Acq: 14 Nov 2018 13:23

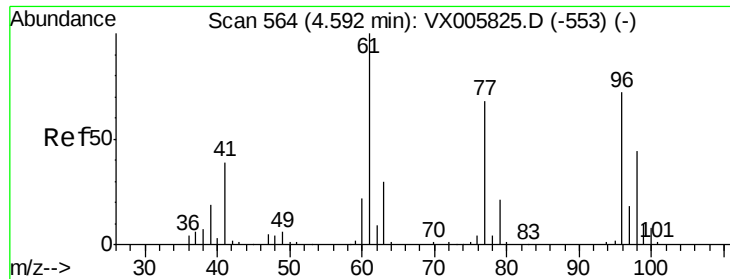
Tgt Ion: 77 Resp: 28840

Ion Ratio Lower Upper

77 100

97 23.3 11.5 34.5





#27

cis-1,2-Dichloroethene

Concen: 19.41 ug/l

RT: 4.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VX005970.D

Acq: 14 Nov 2018 13:23

Instrument :

MSVOA_X

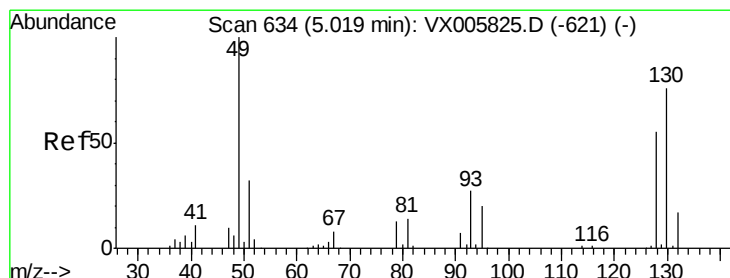
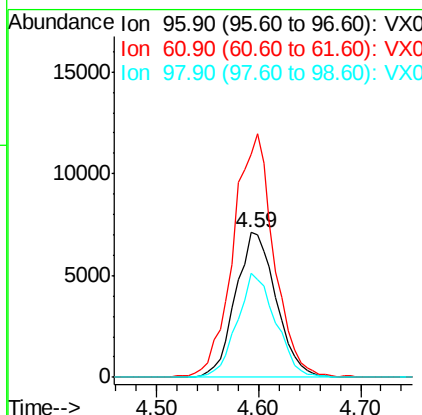
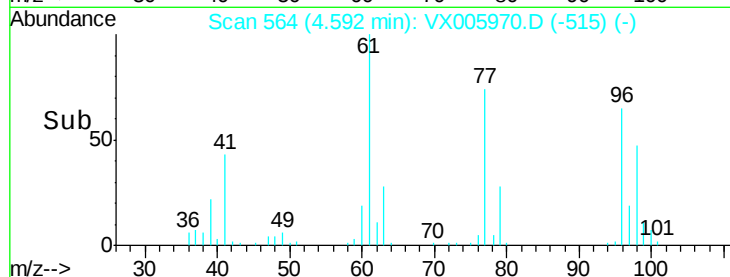
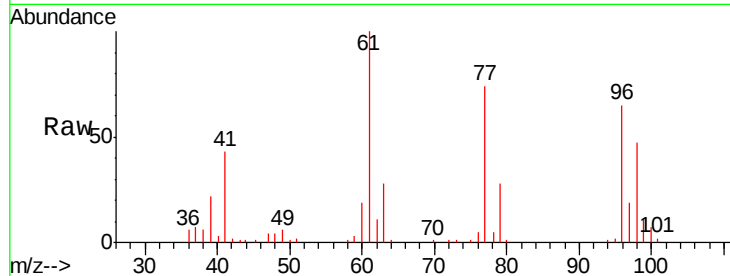
ClientSampleId :

VX1114WBS01

Tgt Ion:	96	Resp:	19647
Ion	Ratio	Lower	Upper
96	100		
61	168.4	0.0	304.6
98	68.3	0.0	127.4

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#28

Bromochloromethane

Concen: 21.78 ug/l

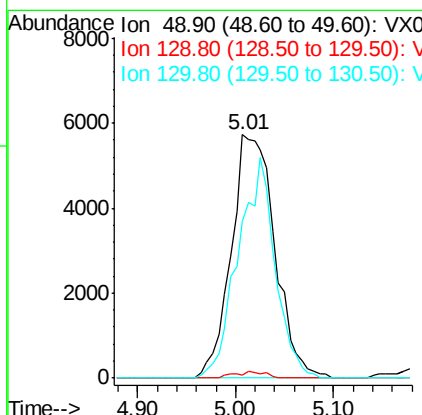
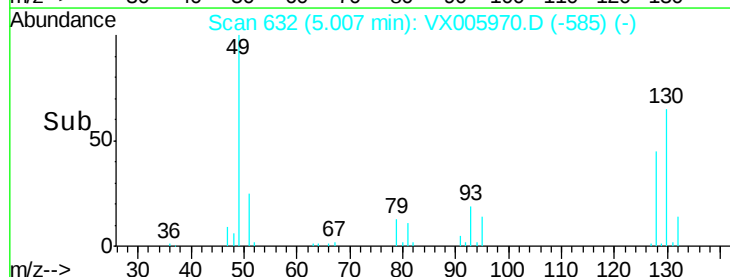
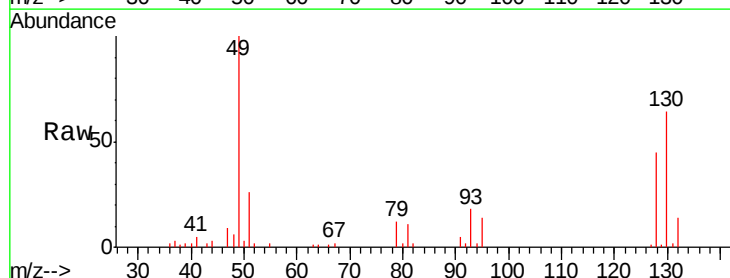
RT: 5.01 min Scan# 632

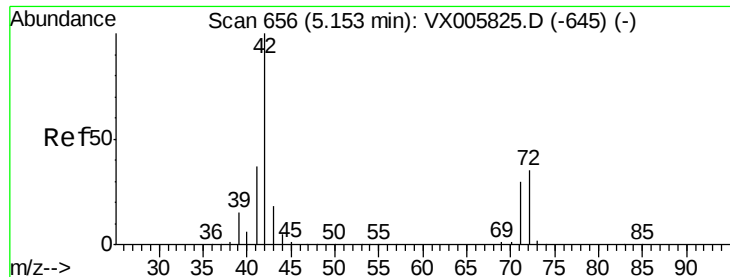
Delta R.T. -0.01 min

Lab File: VX005970.D

Acq: 14 Nov 2018 13:23

Tgt Ion:	49	Resp:	17661
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	77.0	58.9	88.3





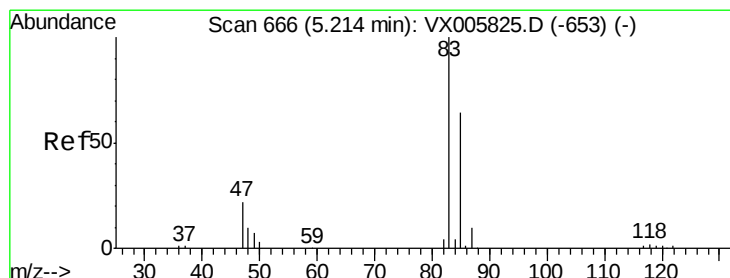
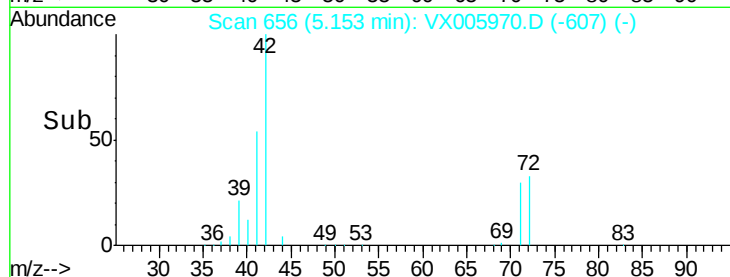
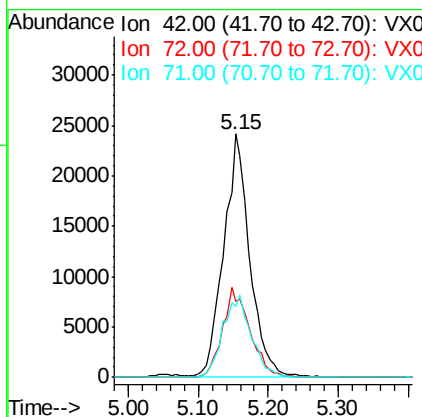
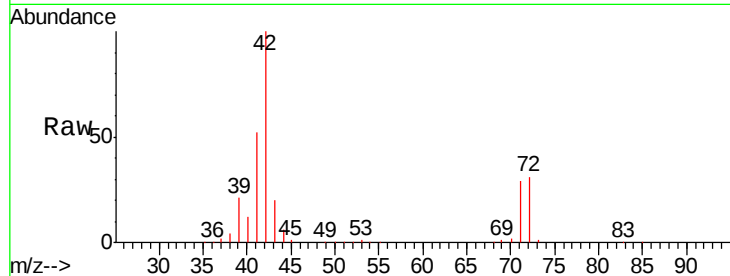
#29
Tetrahydrofuran
Concen: 101.38 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX005970.D
Acq: 14 Nov 2018 13:23

Instrument :
MSVOA_X
ClientSampleId :
VX1114WBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	39.0	32.0	48.0
71	36.9	29.8	44.8

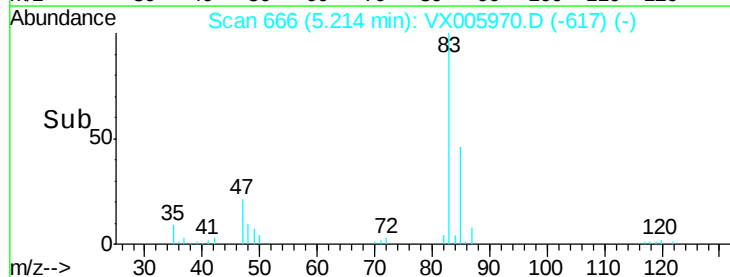
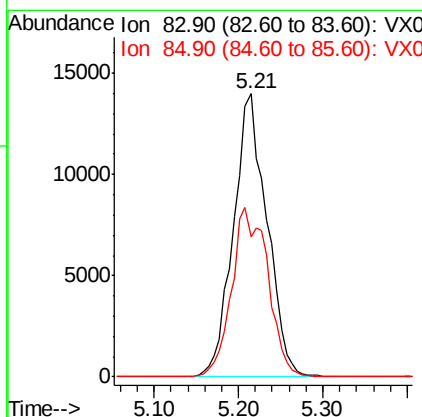
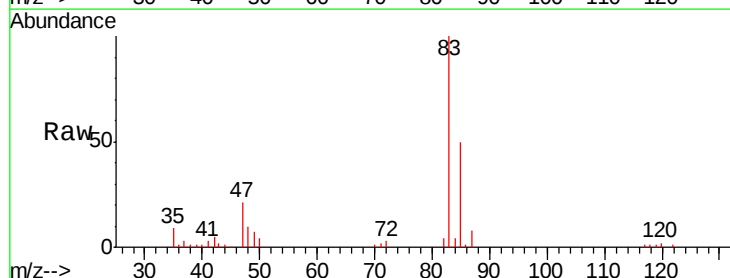
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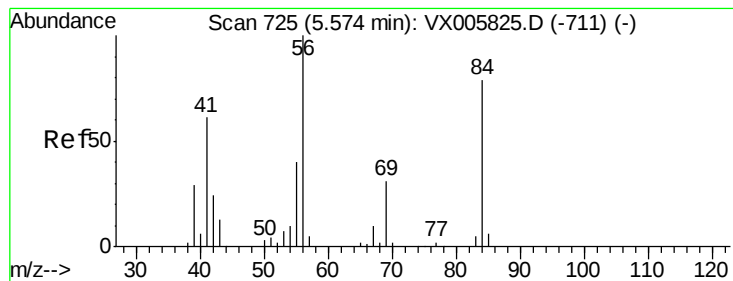
MMDadoda
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#30
Chloroform
Concen: 21.44 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX005970.D
Acq: 14 Nov 2018 13:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	49.6	50.6	76.0#





#31

Cyclohexane

Concen: 18.93 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX005970.D

Acq: 14 Nov 2018 13:23

Instrument :

MSVOA_X

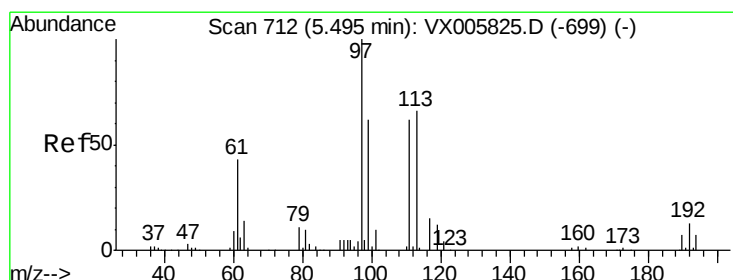
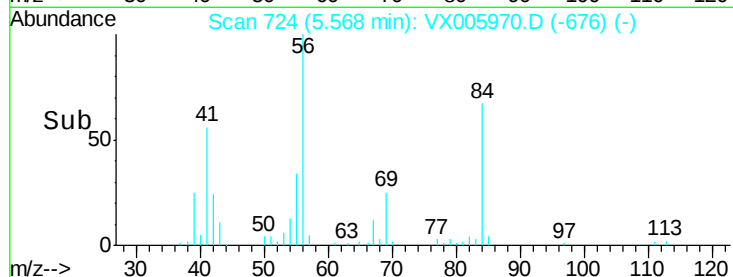
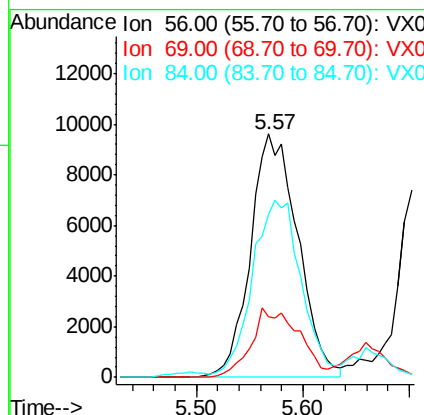
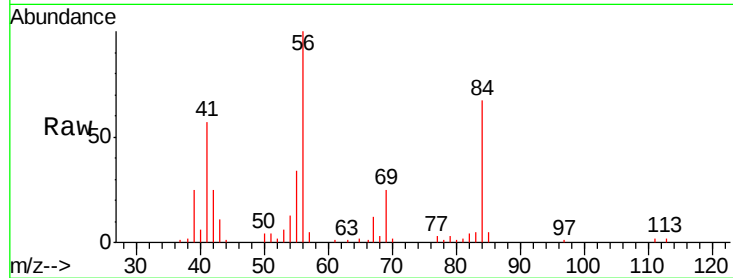
ClientSampleId :

VX1114WBS01

Tgt Ion:	56	Resp:	29818
Ion Ratio	Lower	Upper	
56	100		
69	24.7	22.6	34.0
84	64.6	62.7	94.1

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#32

1,1,1-Trichloroethane

Concen: 20.57 ug/l

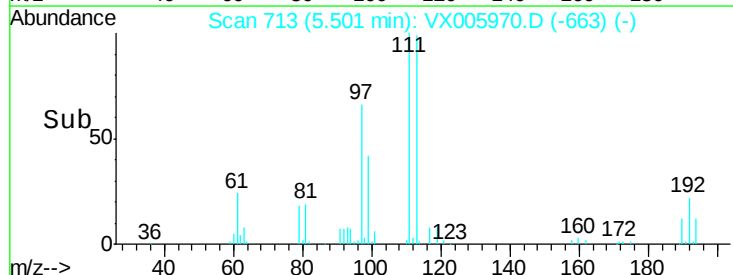
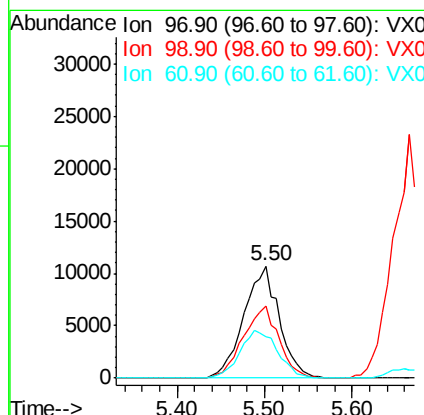
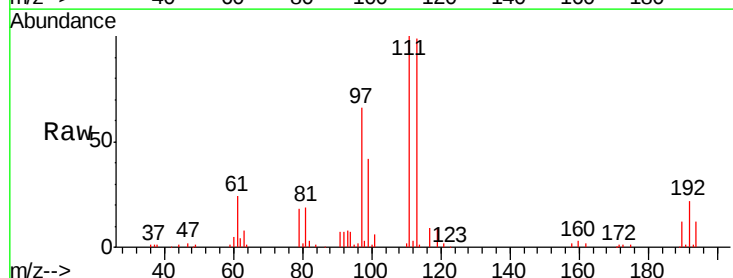
RT: 5.50 min Scan# 713

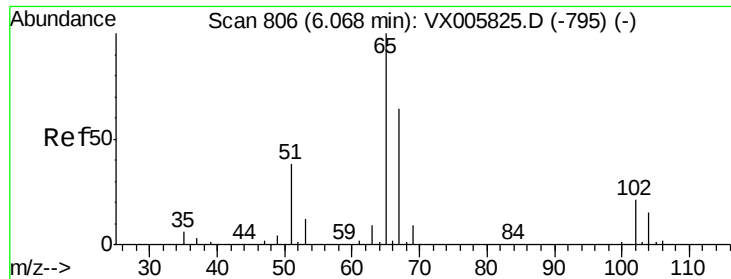
Delta R.T. 0.01 min

Lab File: VX005970.D

Acq: 14 Nov 2018 13:23

Tgt Ion:	97	Resp:	30037
Ion Ratio	Lower	Upper	
97	100		
99	65.0	52.3	78.5
61	46.1	35.2	52.8





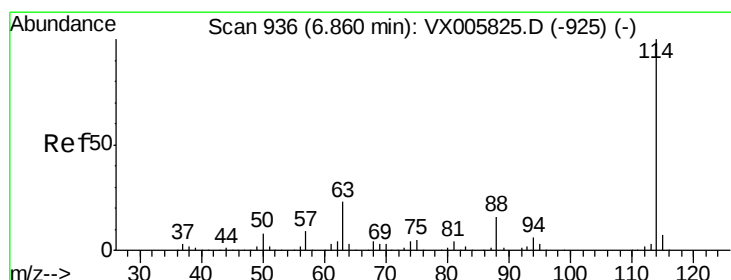
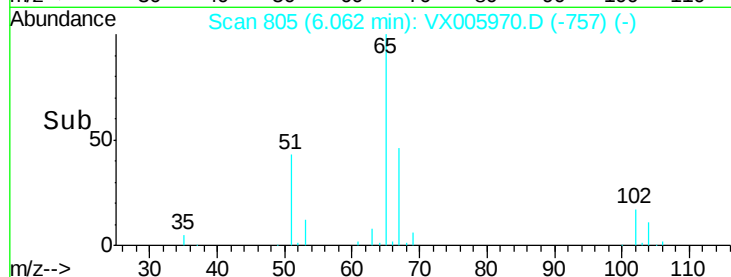
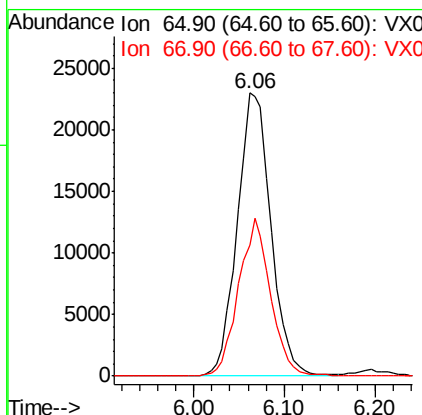
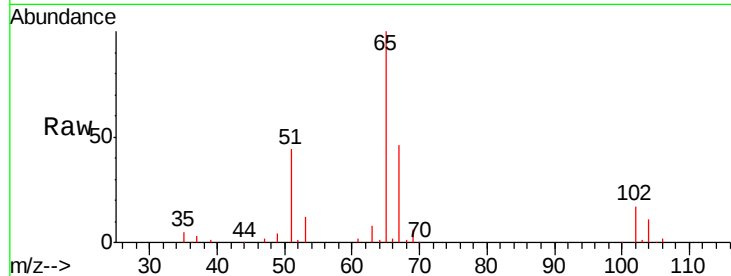
#33
 1,2-Dichloroethane-d4
 Concen: 52.29 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX005970.D
 Acq: 14 Nov 2018 13:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1114WBS01

Tgt Ion: 65 Resp: 59121
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 105.0

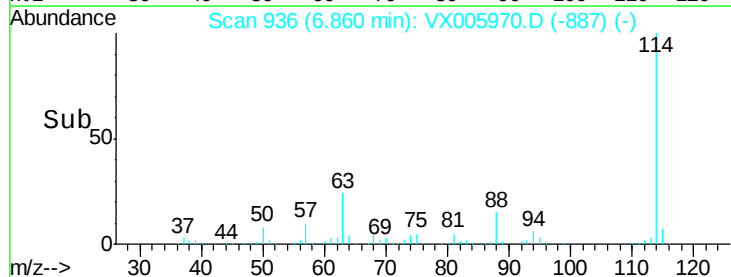
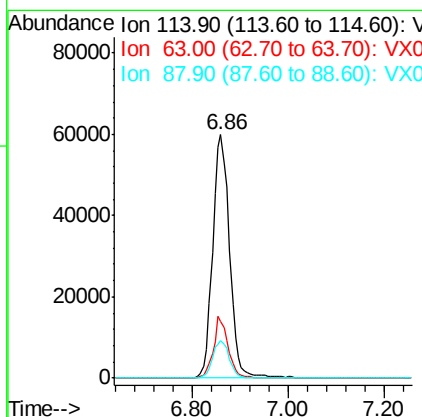
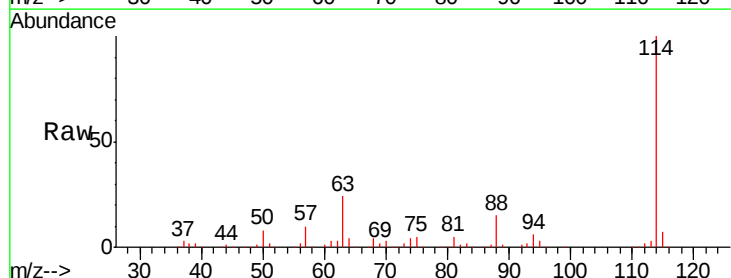
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX005970.D
 Acq: 14 Nov 2018 13:23

Tgt Ion: 114 Resp: 147507
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 42.8
 88 15.3 0.0 31.2





#35

Dibromofluoromethane

Concen: 47.44 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX005970.D

Acq: 14 Nov 2018 13:23

Instrument :

MSVOA_X

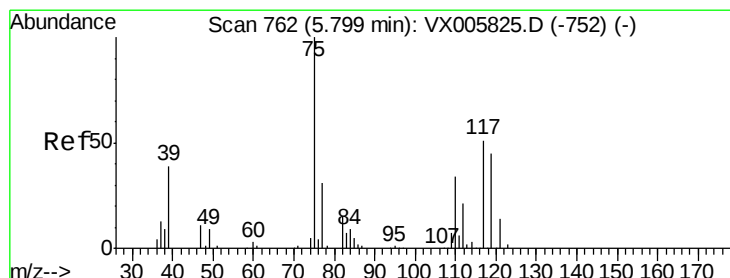
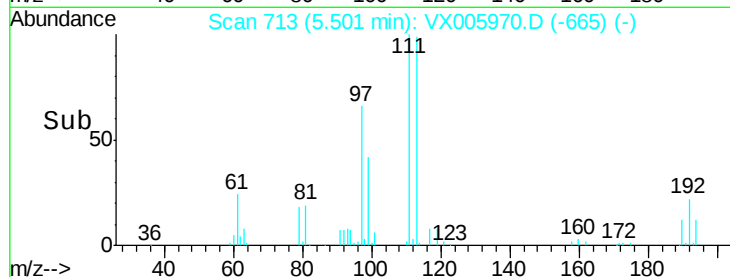
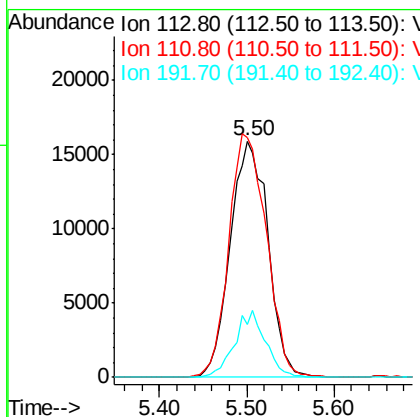
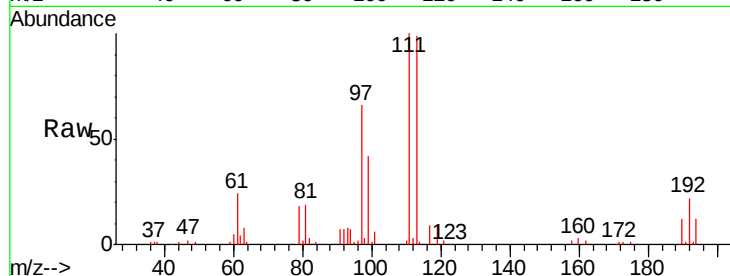
ClientSampleId :

VX1114WBS01

Tgt Ion:	113	Resp:	47591
Ion Ratio	Lower	Upper	
113	100		
111	102.8	82.3	123.5
192	23.1	17.9	26.9

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#36

1,1-Dichloropropene

Concen: 17.06 ug/l

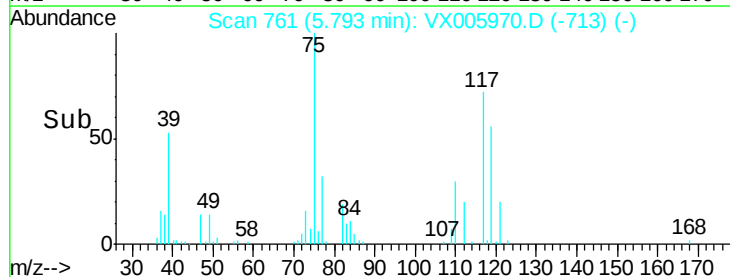
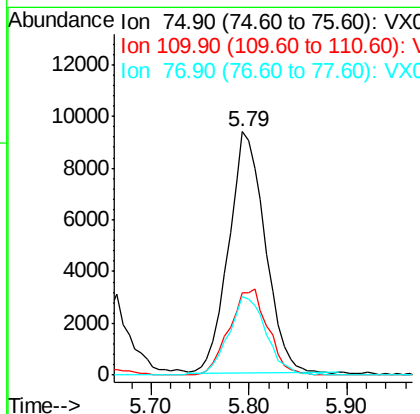
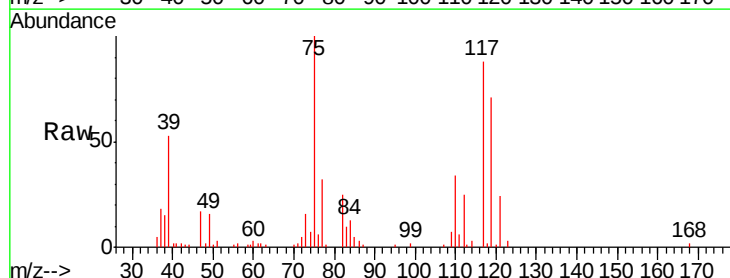
RT: 5.79 min Scan# 761

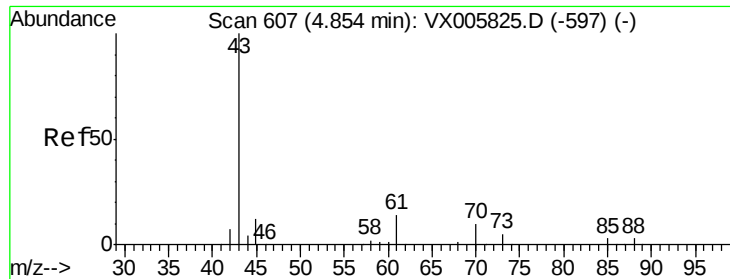
Delta R.T. -0.01 min

Lab File: VX005970.D

Acq: 14 Nov 2018 13:23

Tgt Ion:	75	Resp:	24255
Ion Ratio	Lower	Upper	
75	100		
110	37.4	17.4	52.2
77	33.5	25.8	38.6





#37

Ethyl Acetate

Concen: 19.44 ug/l

RT: 4.85 min Scan# 606

Delta R.T. -0.01 min

Lab File: VX005970.D

Acq: 14 Nov 2018 13:23

Instrument :

MSVOA_X

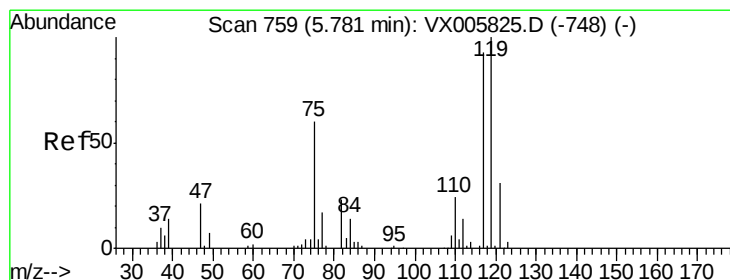
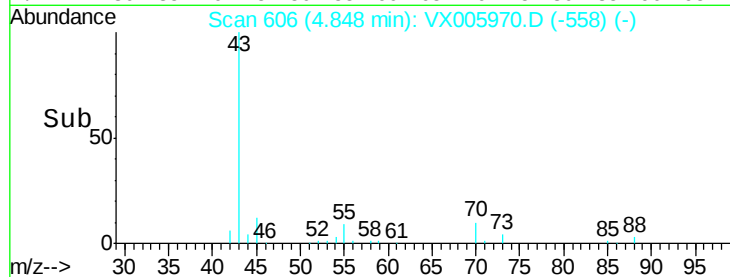
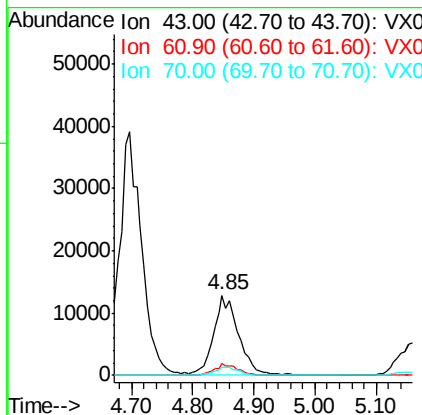
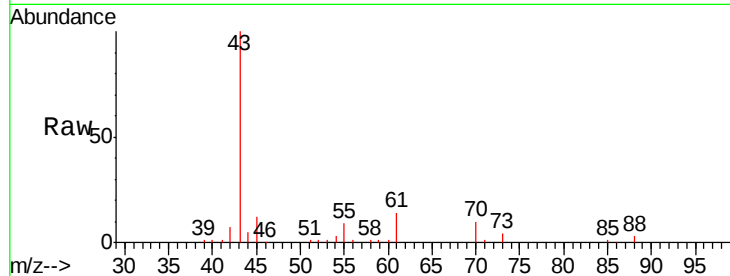
ClientSampleId :

VX1114WBS01

Tgt Ion:	43	Resp:	36358
Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.8	16.2
70	10.0	7.8	11.8

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#38

Carbon Tetrachloride

Concen: 19.00 ug/l

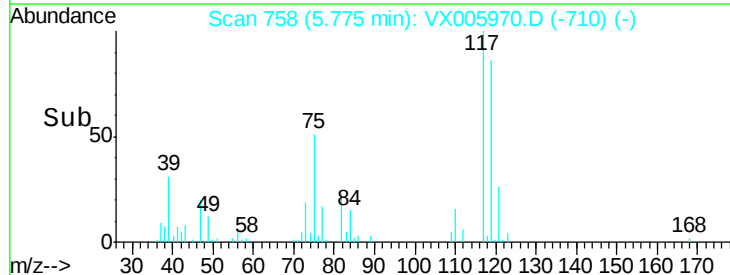
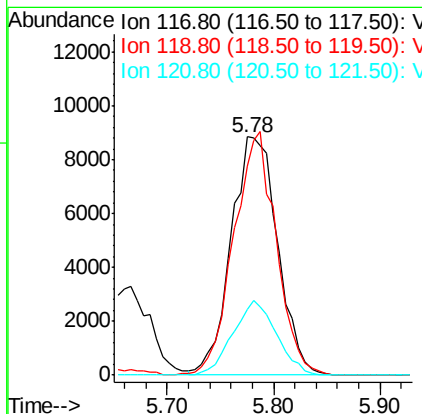
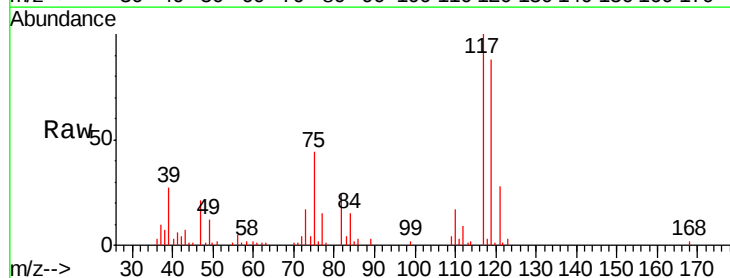
RT: 5.78 min Scan# 758

Delta R.T. -0.01 min

Lab File: VX005970.D

Acq: 14 Nov 2018 13:23

Tgt Ion:	117	Resp:	27055
Ion	Ratio	Lower	Upper
117	100		
119	87.7	78.1	117.1
121	27.7	24.6	36.8





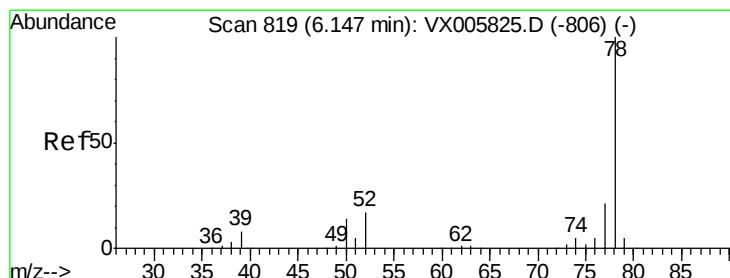
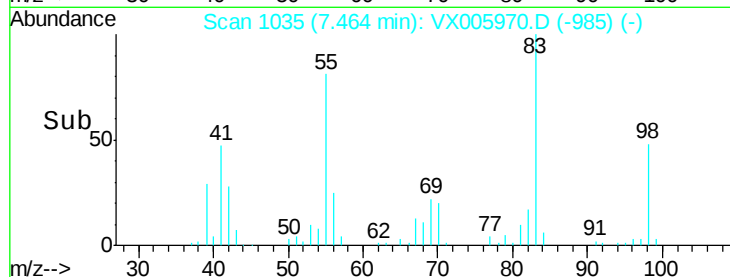
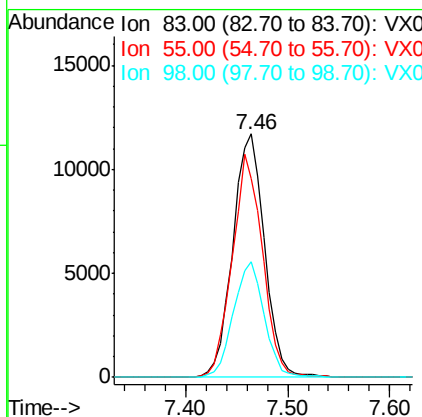
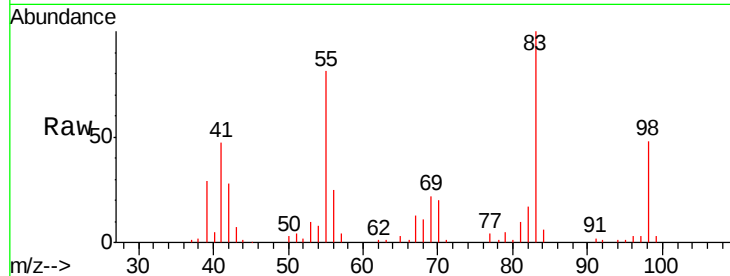
#39
Methylcyclohexane
Concen: 17.45 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005970.D
Acq: 14 Nov 2018 13:23

Instrument :
MSVOA_X
ClientSampleId :
VX1114WBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	81.5	63.7	95.5
98	47.5	36.2	54.2

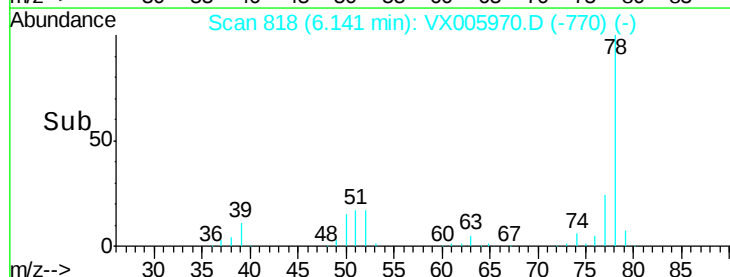
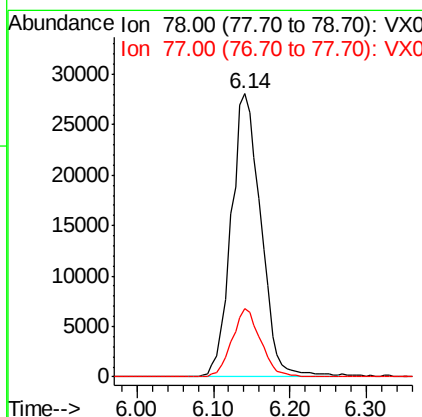
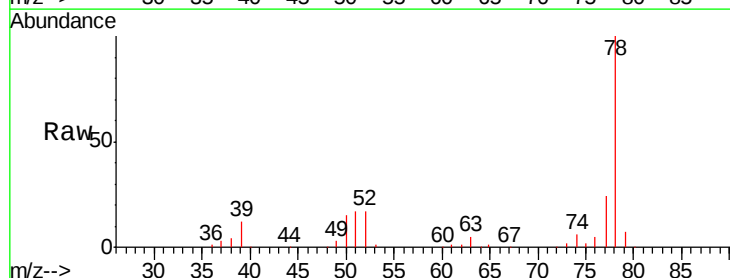
Manual Integrations
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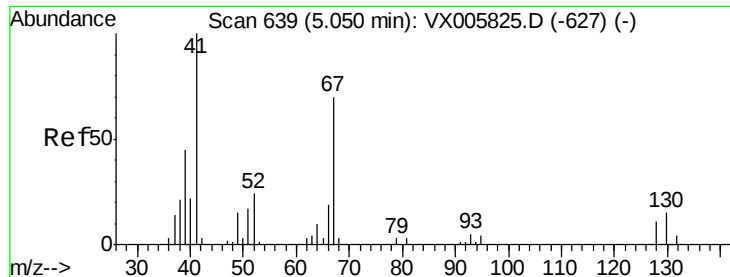
MMDadoda
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#40
Benzene
Concen: 18.20 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX005970.D
Acq: 14 Nov 2018 13:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.4	27.6





#41

Methacrylonitrile

Concen: 18.56 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.01 min

Lab File: VX005970.D

Acq: 14 Nov 2018 13:23

Instrument :

MSVOA_X

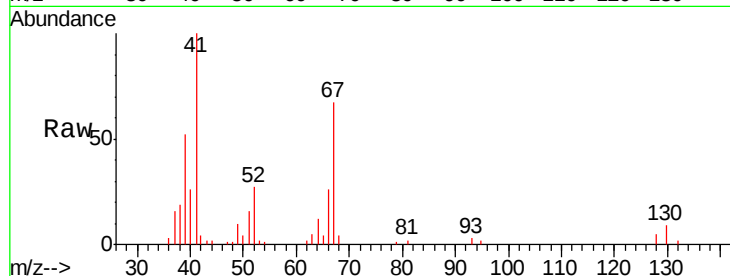
ClientSampleId :

VX1114WBS01

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.0	42.2	63.2	
67	66.6	53.4	80.0	
52	29.1	23.4	35.2	

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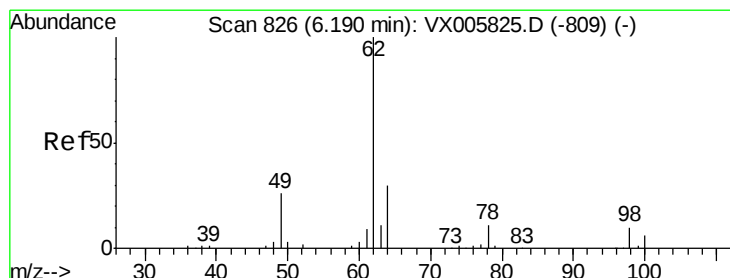
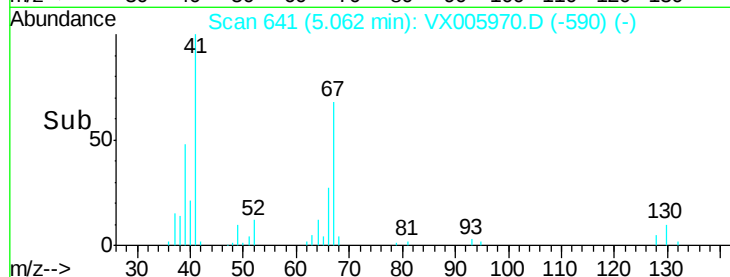
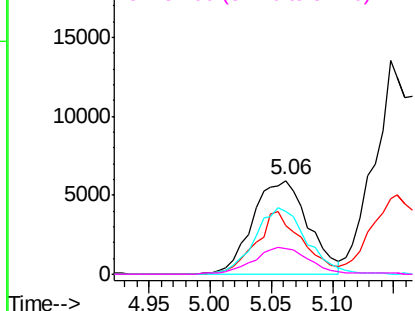
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 18.84 ug/l

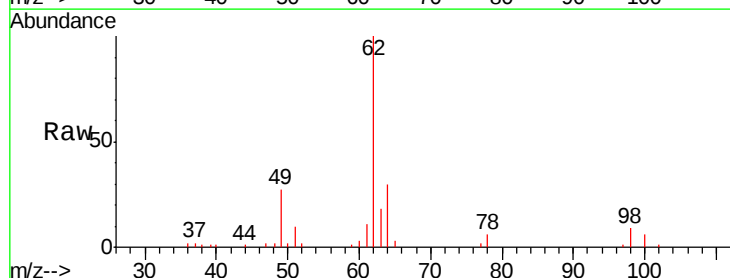
RT: 6.20 min Scan# 828

Delta R.T. 0.01 min

Lab File: VX005970.D

Acq: 14 Nov 2018 13:23

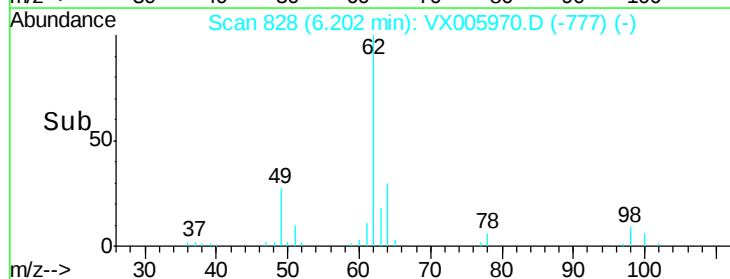
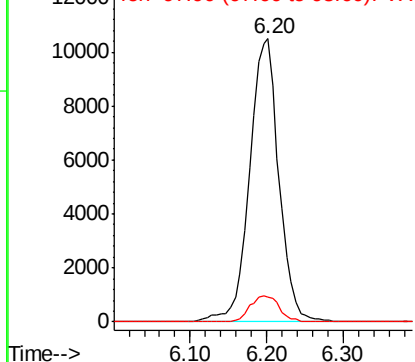
Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.1	0.0	17.8	



Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





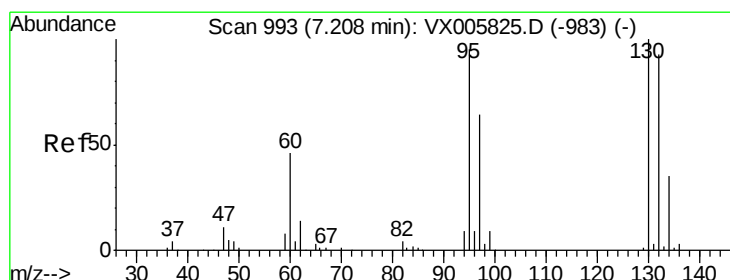
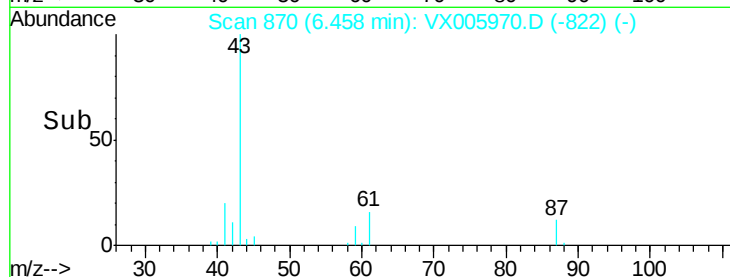
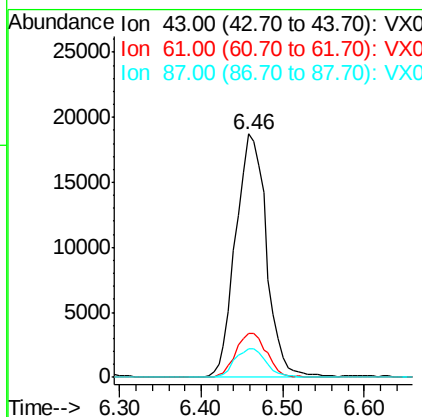
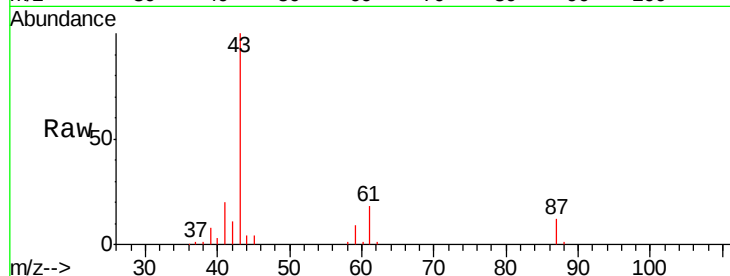
#43
Isopropyl Acetate
Concen: 18.17 ug/l
RT: 6.46 min Scan# 870
Delta R.T. -0.01 min
Lab File: VX005970.D
Acq: 14 Nov 2018 13:23

Instrument :
MSVOA_X
ClientSampleId :
VX1114WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	18.4	14.6	22.0
87	11.8	9.6	14.4

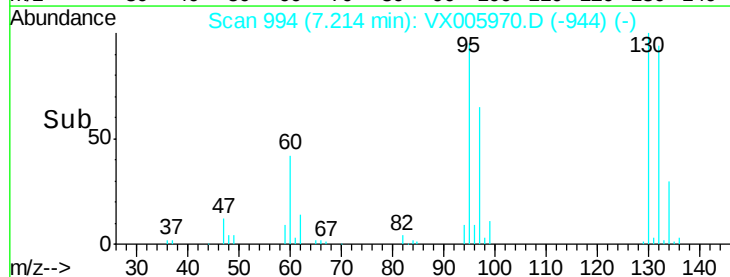
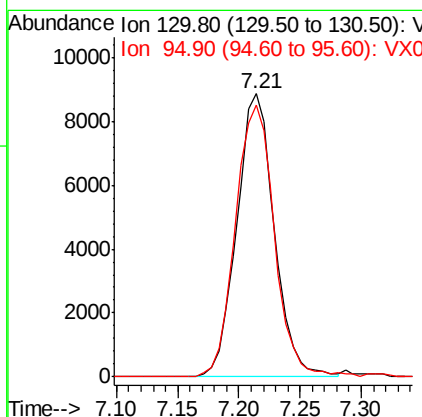
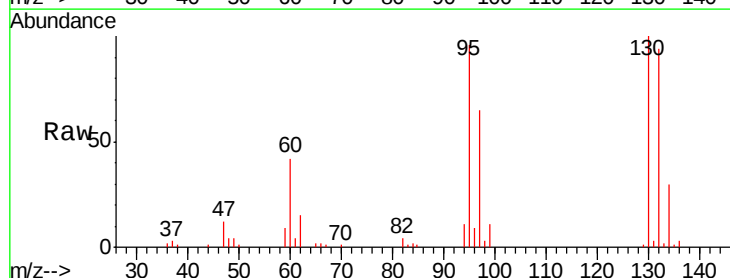
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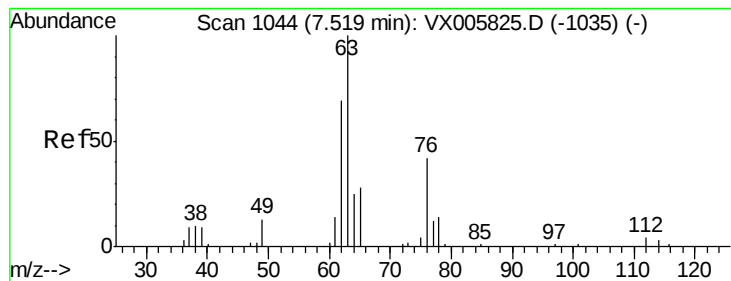
MMDadoda
11/15/2018 1:04:55 PM



#44
Trichloroethene
Concen: 17.93 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.01 min
Lab File: VX005970.D
Acq: 14 Nov 2018 13:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.1	0.0	194.2





#45

1,2-Dichloropropane

Concen: 19.14 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX005970.D

Acq: 14 Nov 2018 13:23

Instrument :

MSVOA_X

ClientSampleId :

VX1114WBS01

Tgt Ion: 63 Resp: 19260

Ion Ratio Lower Upper

63 100

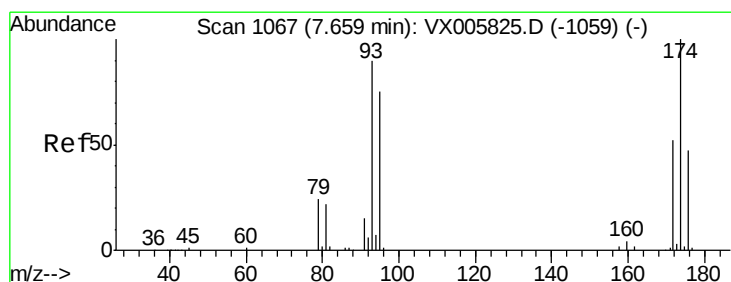
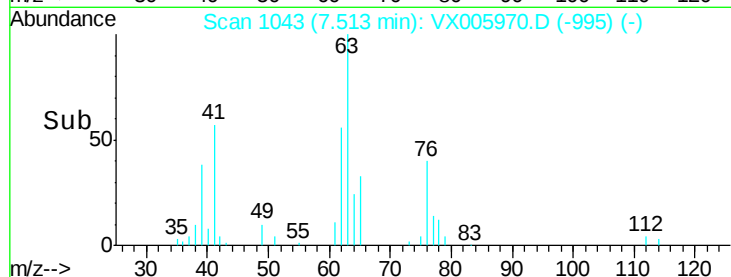
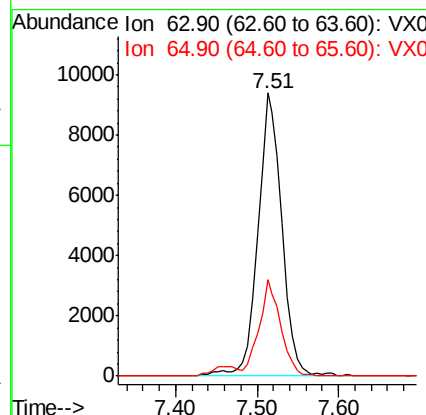
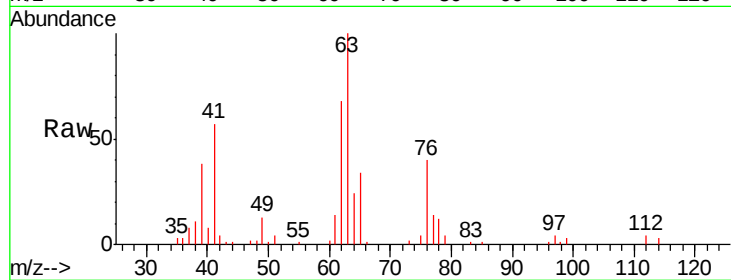
65 34.3 24.8 37.2

Manual Integrations

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#46

Dibromomethane

Concen: 19.34 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX005970.D

Acq: 14 Nov 2018 13:23

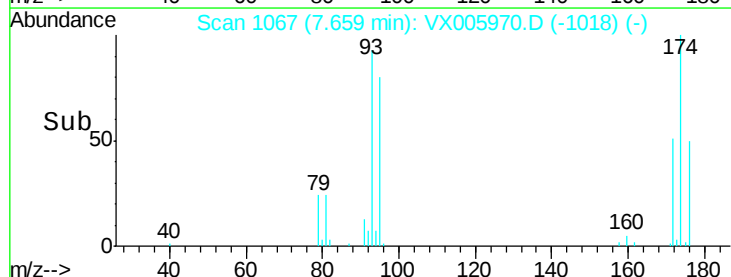
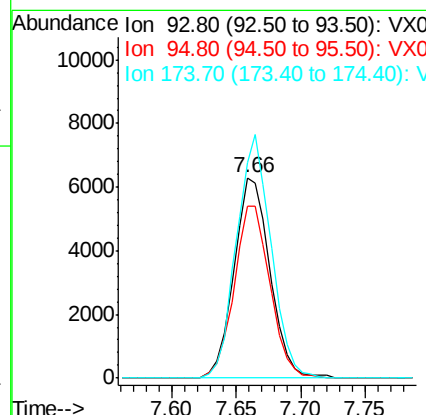
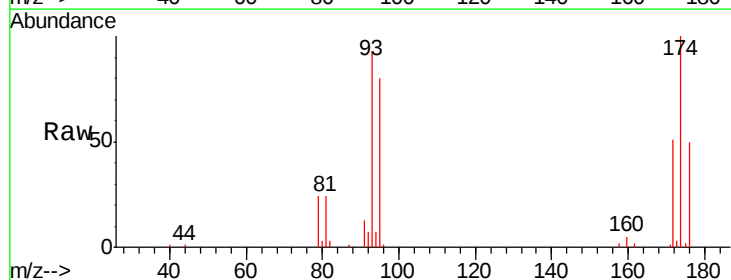
Tgt Ion: 93 Resp: 12209

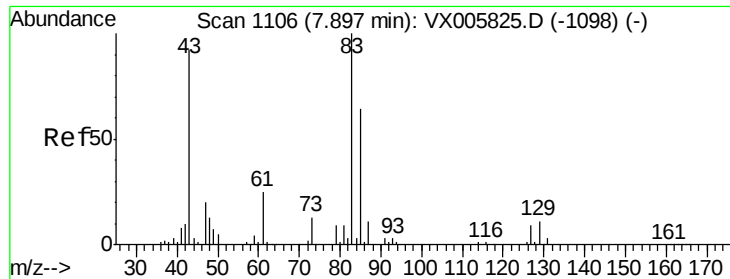
Ion Ratio Lower Upper

93 100

95 85.7 67.4 101.0

174 116.6 91.5 137.3





#47

Bromodichloromethane

Concen: 19.97 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX005970.D

Acq: 14 Nov 2018 13:23

Instrument :

MSVOA_X

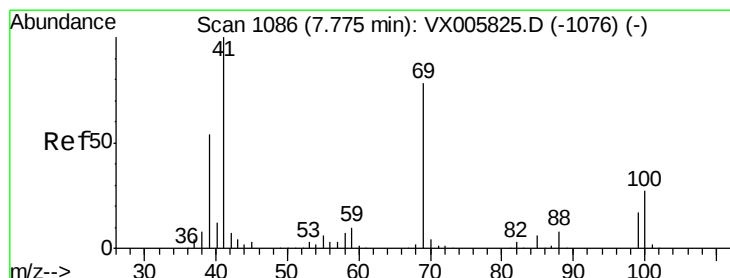
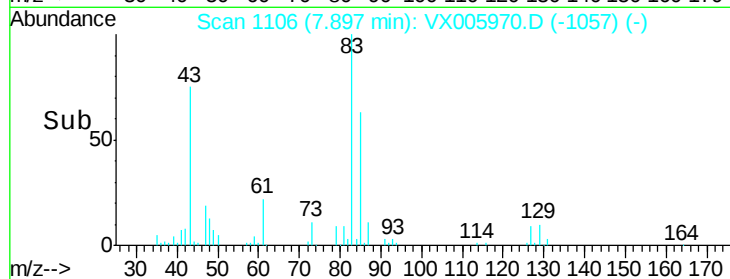
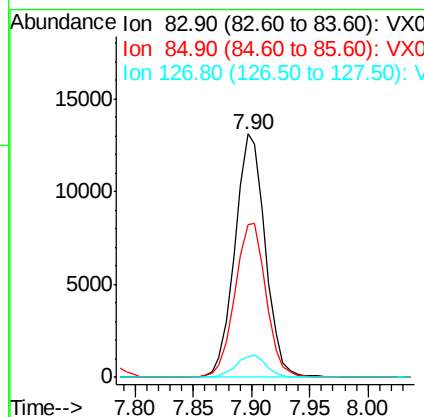
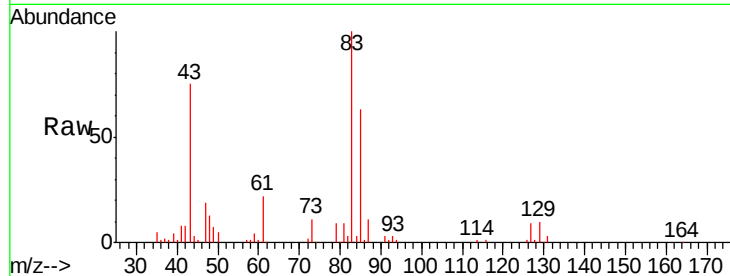
ClientSampleId :

VX1114WBS01

Tgt Ion:	83	Resp:	23826
Ion	Ratio	Lower	Upper
83	100		
85	62.6	50.2	75.4
127	8.6	6.9	10.3

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#48

Methyl methacrylate

Concen: 19.61 ug/l

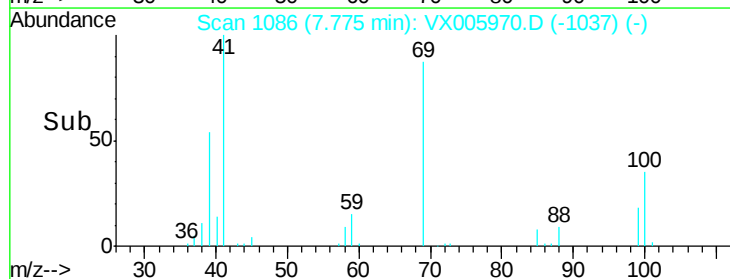
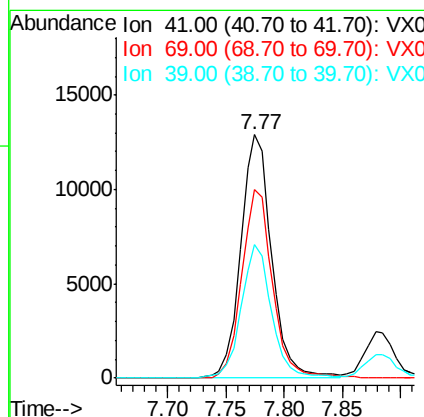
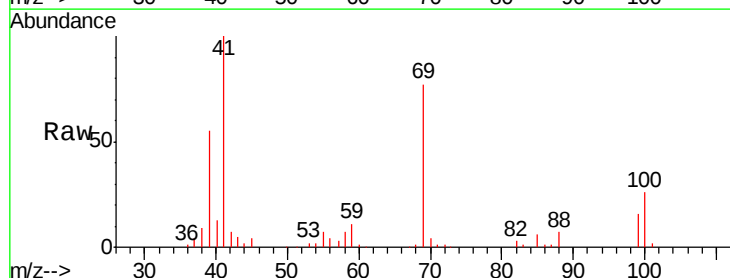
RT: 7.77 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX005970.D

Acq: 14 Nov 2018 13:23

Tgt Ion:	41	Resp:	23854
Ion	Ratio	Lower	Upper
41	100		
69	77.0	63.2	94.8
39	53.9	42.2	63.2





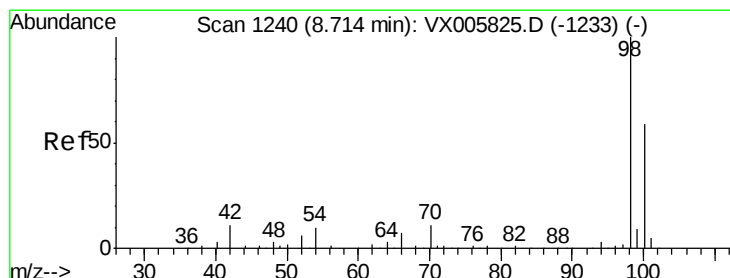
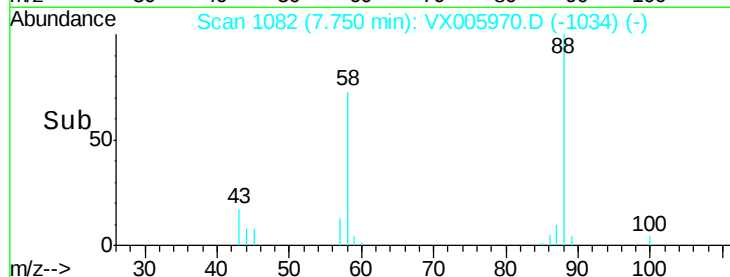
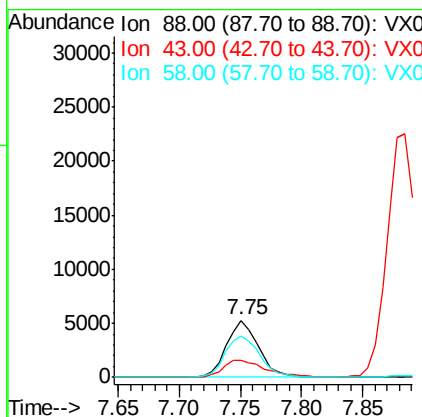
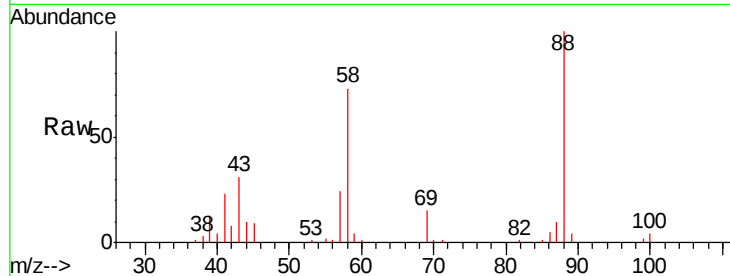
#49
1,4-Dioxane
Concen: 363.46 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX005970.D
Acq: 14 Nov 2018 13:23

Instrument :
MSVOA_X
ClientSampleId :
VX1114WBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	40.3	27.4	41.0
58	78.6	59.4	89.2

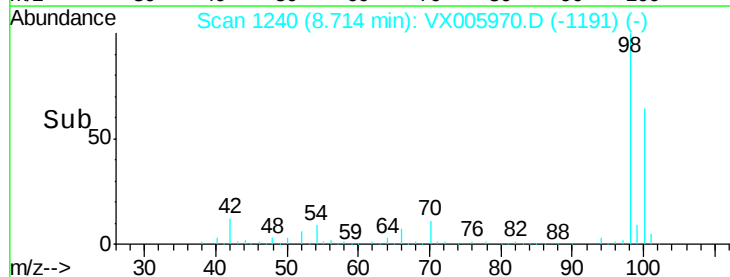
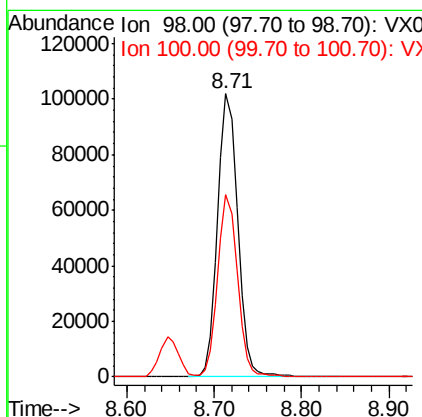
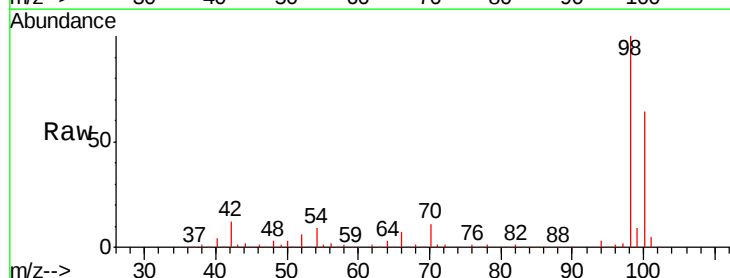
Manual Integrations
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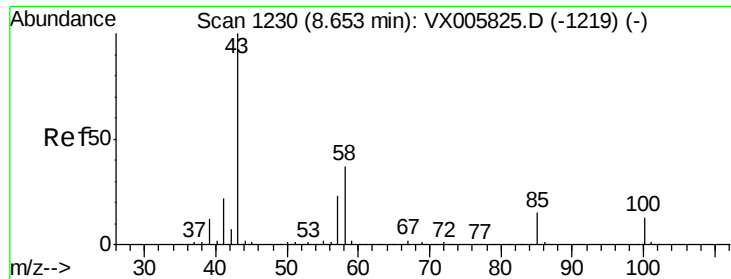
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#50
Toluene-d8
Concen: 48.77 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX005970.D
Acq: 14 Nov 2018 13:23

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.3	76.9





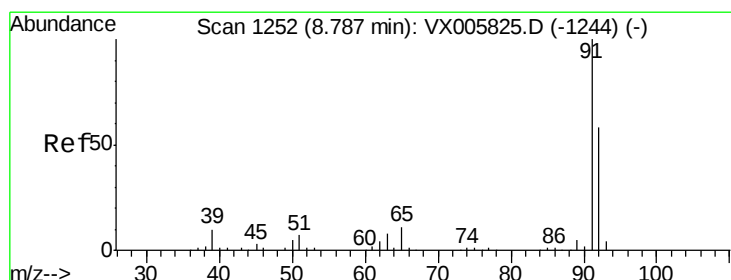
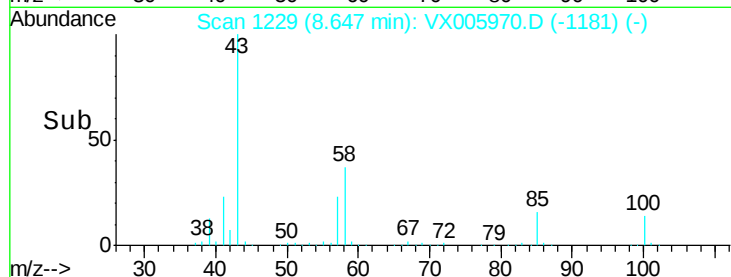
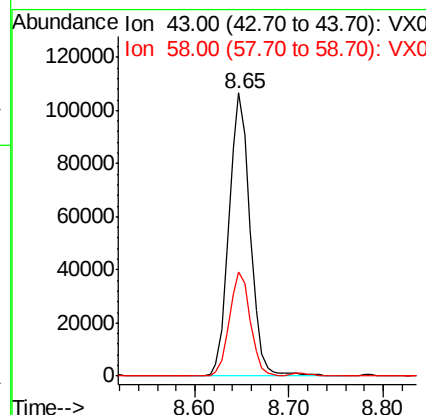
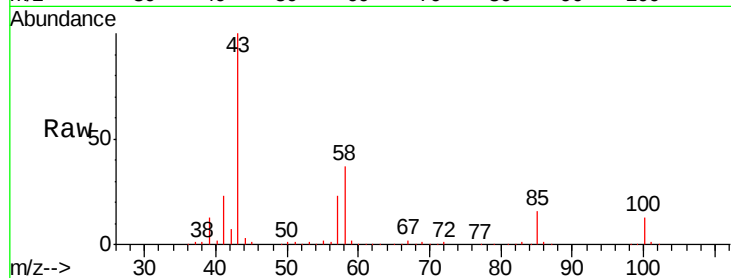
#51
4-Methyl-2-Pentanone
Concen: 97.19 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VX005970.D
Acq: 14 Nov 2018 13:23

Instrument :
MSVOA_X
ClientSampleId :
VX1114WBS01

Tgt Ion: 43 Resp: 165963
Ion Ratio Lower Upper
43 100
58 36.4 29.7 44.5

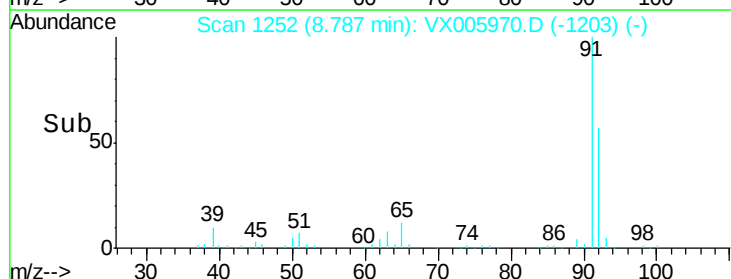
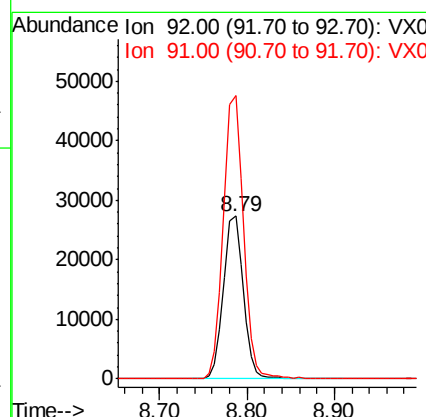
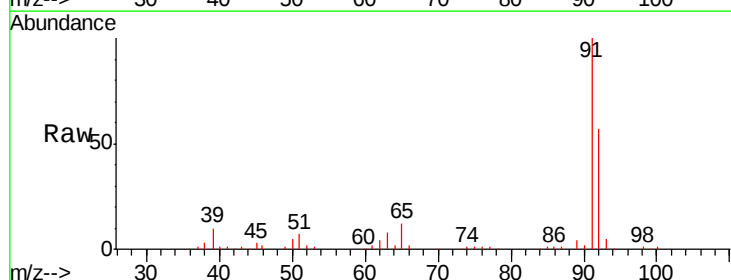
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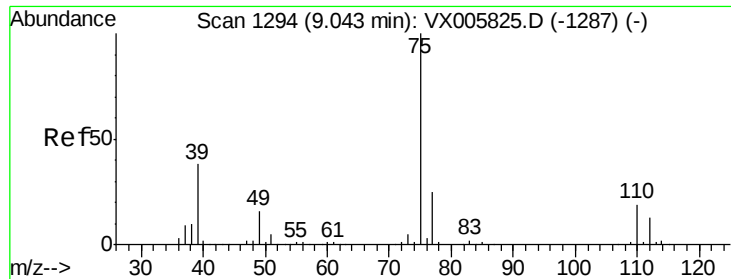
MMDadoda
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#52
Toluene
Concen: 18.75 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX005970.D
Acq: 14 Nov 2018 13:23

Tgt Ion: 92 Resp: 43451
Ion Ratio Lower Upper
92 100
91 175.4 140.4 210.6





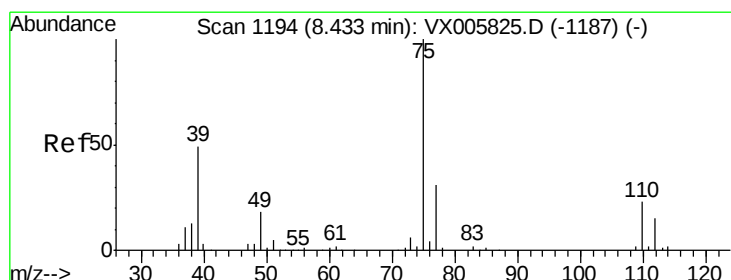
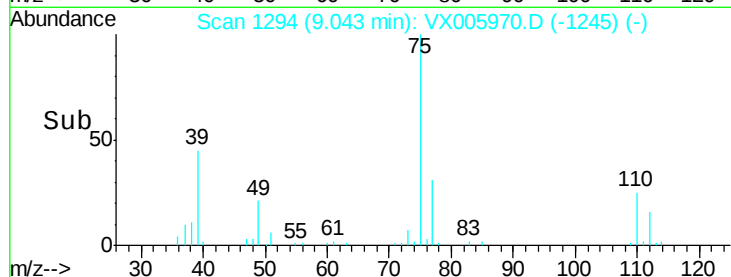
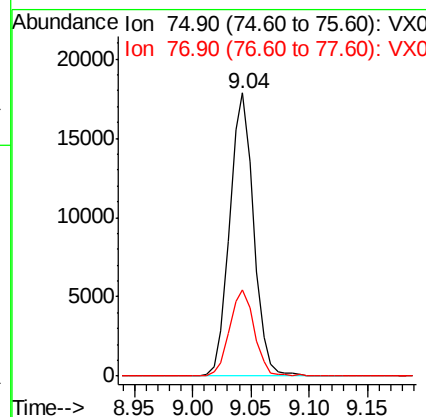
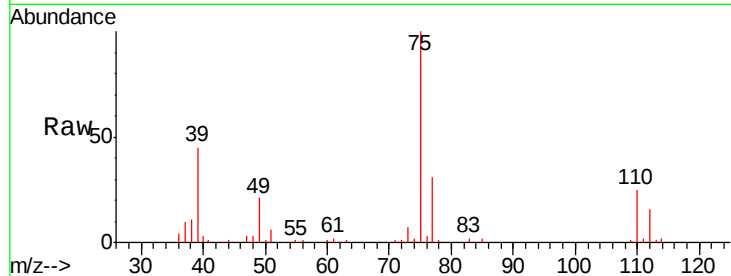
#53
t-1,3-Dichloropropene
Concen: 18.13 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX005970.D
Acq: 14 Nov 2018 13:23

Instrument :
MSVOA_X
ClientSampleId :
VX1114WBS01

Tgt Ion: 75 Resp: 25527
Ion Ratio Lower Upper
75 100
77 30.7 25.4 38.2

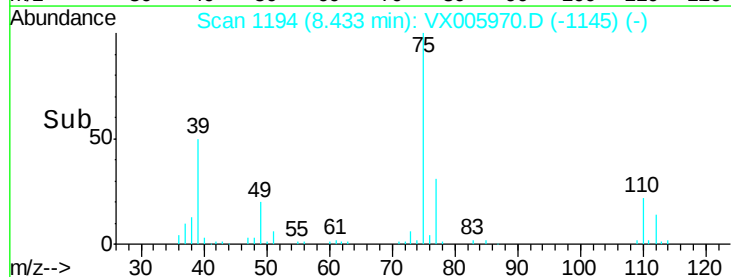
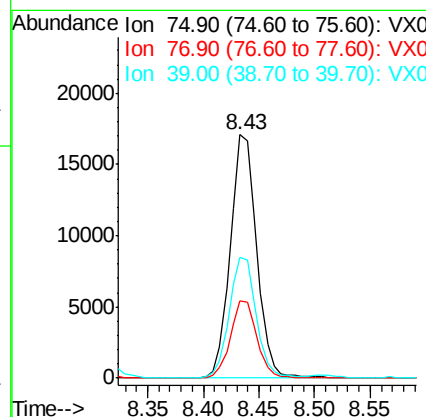
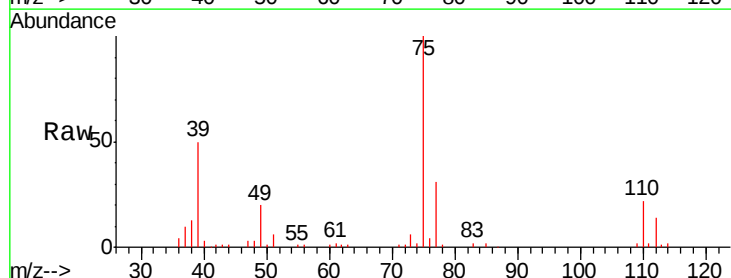
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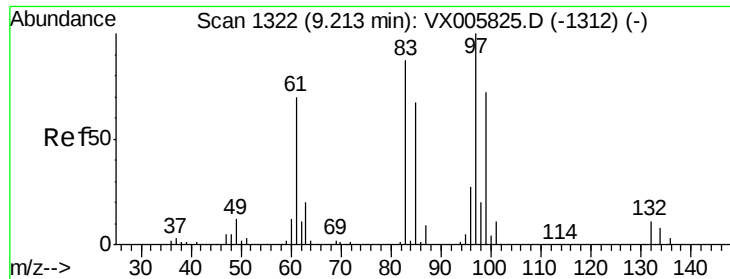
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#54
cis-1,3-Dichloropropene
Concen: 19.53 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX005970.D
Acq: 14 Nov 2018 13:23

Tgt Ion: 75 Resp: 28028
Ion Ratio Lower Upper
75 100
77 31.5 25.2 37.8
39 49.5 38.2 57.2





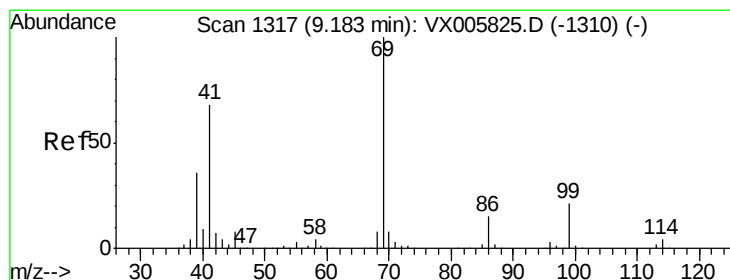
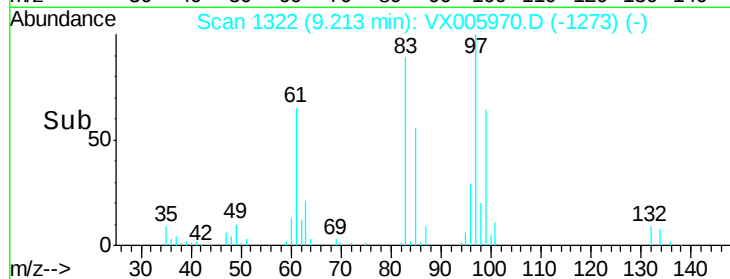
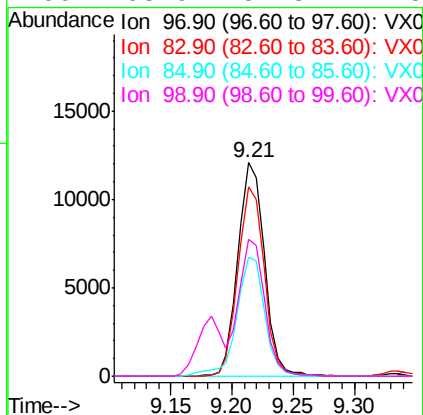
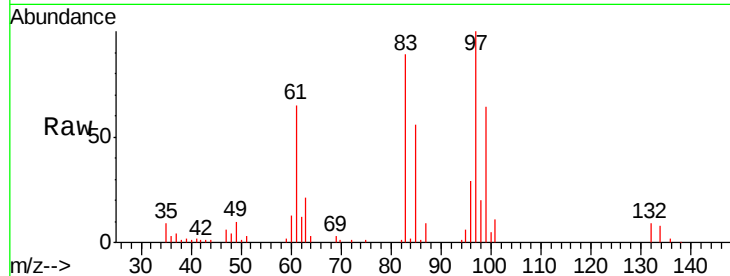
#55
 1,1,2-Trichloroethane
 Concen: 17.69 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX005970.D
 Acq: 14 Nov 2018 13:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1114WBS01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.8	70.7	106.1
85	55.8	45.8	68.6
99	63.9	51.8	77.8

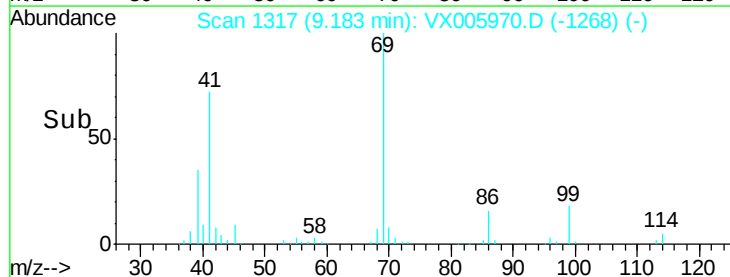
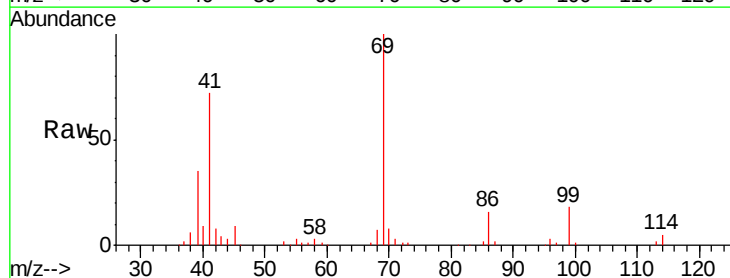
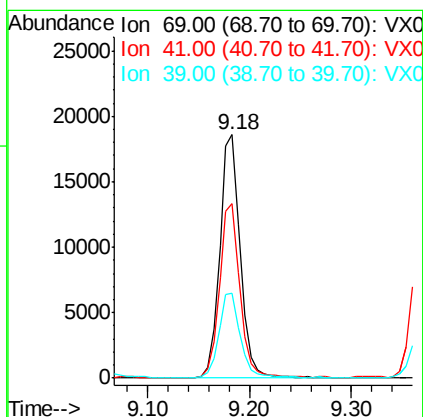
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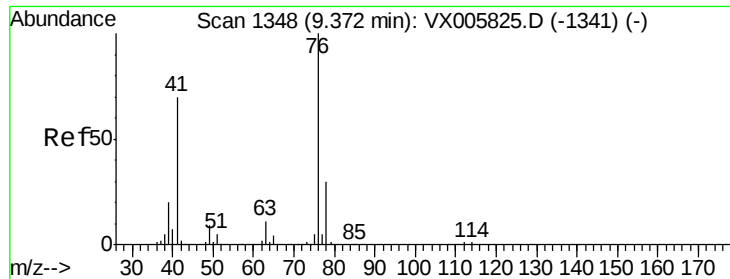
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#56
 Ethyl methacrylate
 Concen: 16.90 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX005970.D
 Acq: 14 Nov 2018 13:23

Tgt Ion	Ratio	Lower	Upper
69	100		
41	72.5	57.0	85.6
39	37.4	28.3	42.5





#57

1,3-Dichloropropane

Concen: 17.71 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX005970.D

Acq: 14 Nov 2018 13:23

Instrument :

MSVOA_X

ClientSampleId :

VX1114WBS01

Tgt Ion: 76 Resp: 30722

Ion Ratio Lower Upper

76 100

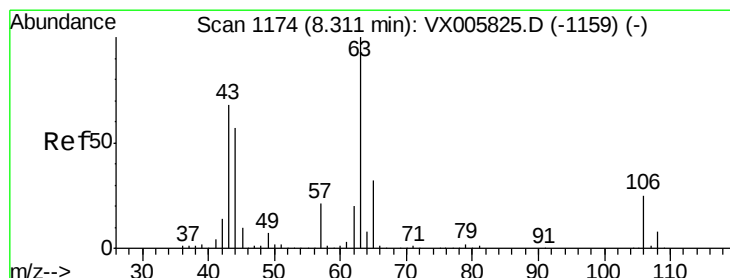
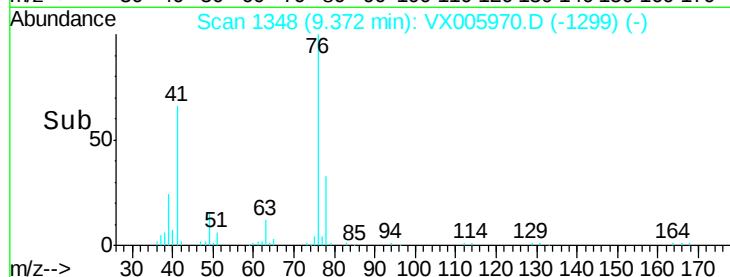
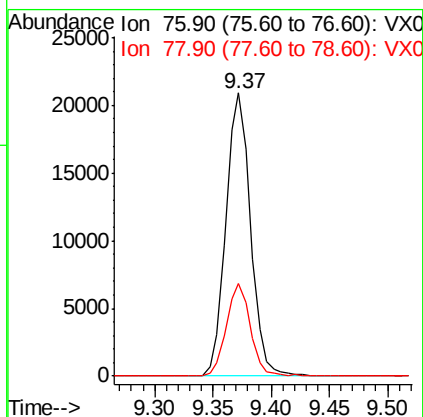
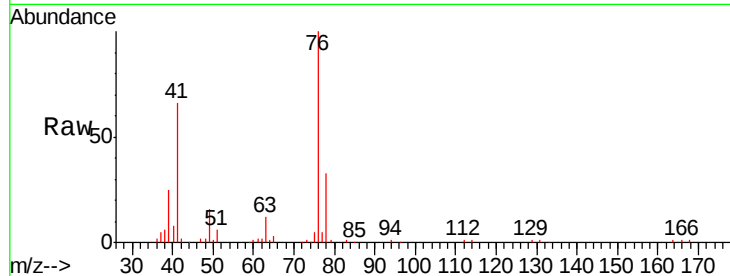
78 32.0 25.3 37.9

Manual Integrations

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11/15/2018 1:04:55 PM



#58

2-Chloroethyl Vinyl ether

Concen: 100.95 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX005970.D

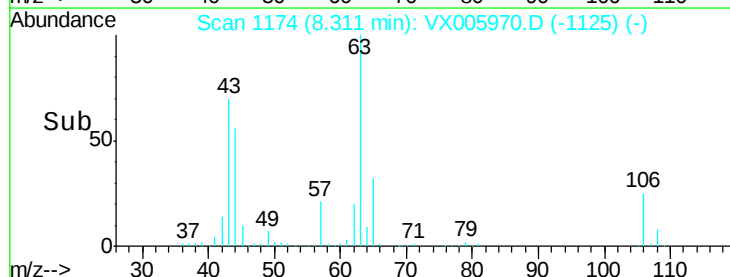
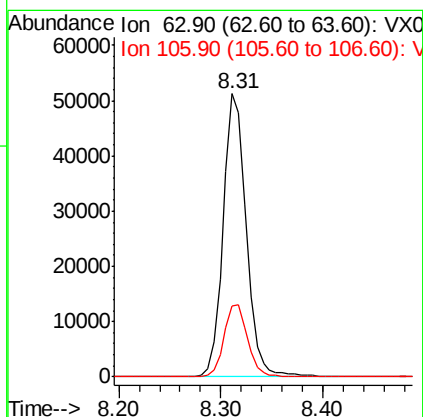
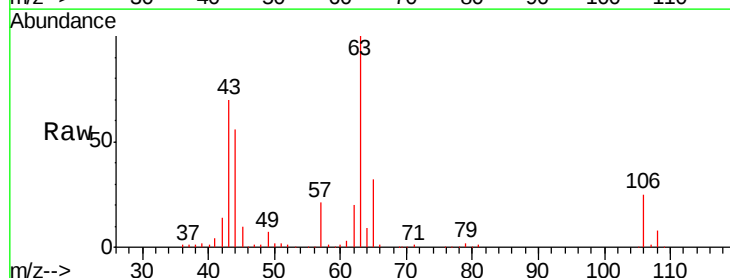
Acq: 14 Nov 2018 13:23

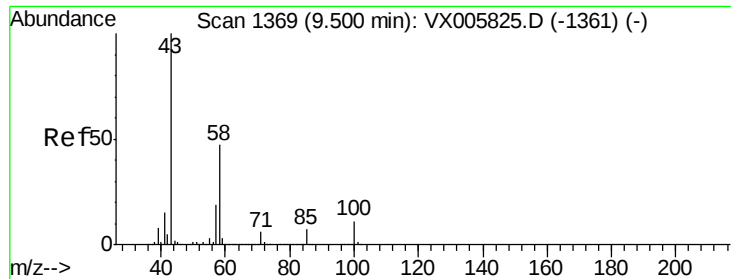
Tgt Ion: 63 Resp: 80687

Ion Ratio Lower Upper

63 100

106 26.1 21.3 31.9





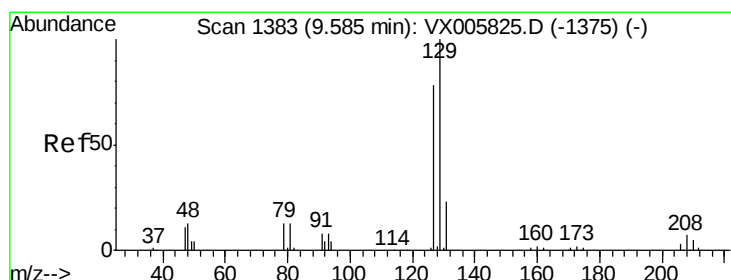
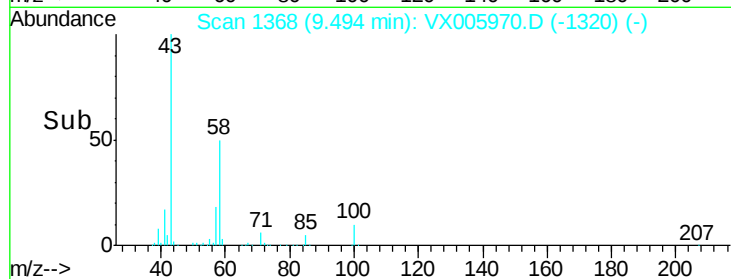
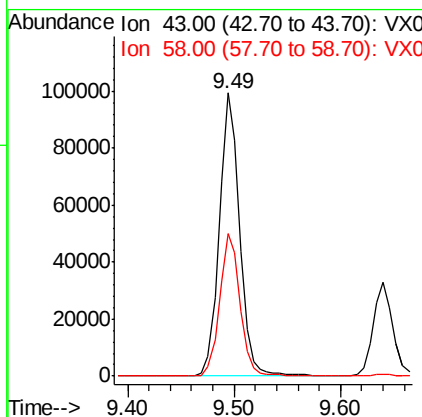
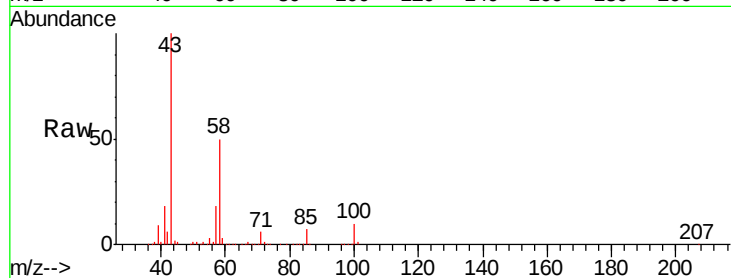
#59
2-Hexanone
Concen: 87.72 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005970.D
Acq: 14 Nov 2018 13:23

Instrument :
MSVOA_X
ClientSampleId :
VX1114WBS01

Tgt Ion: 43 Resp: 132045
Ion Ratio Lower Upper
43 100
58 50.4 25.9 77.8

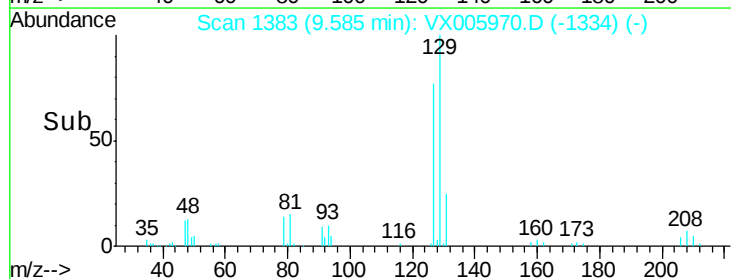
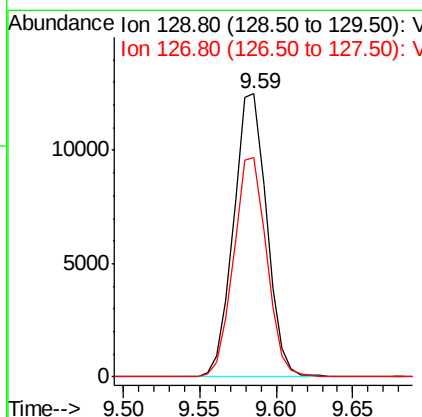
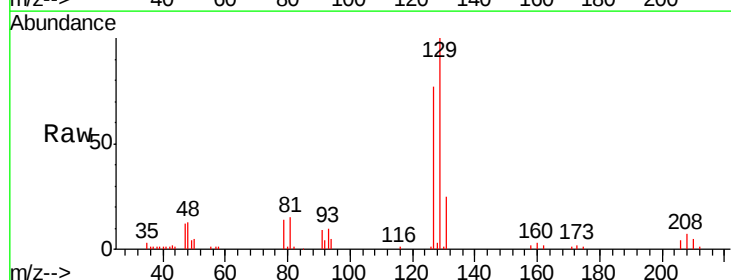
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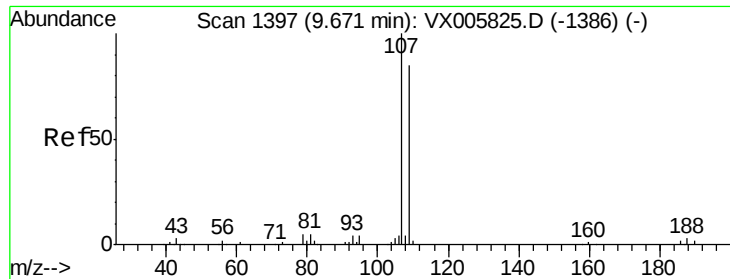
MMDadoda
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#60
Dibromochloromethane
Concen: 16.86 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX005970.D
Acq: 14 Nov 2018 13:23

Tgt Ion: 129 Resp: 18810
Ion Ratio Lower Upper
129 100
127 77.0 38.9 116.7





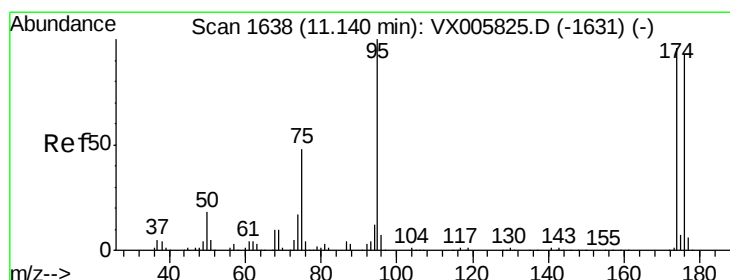
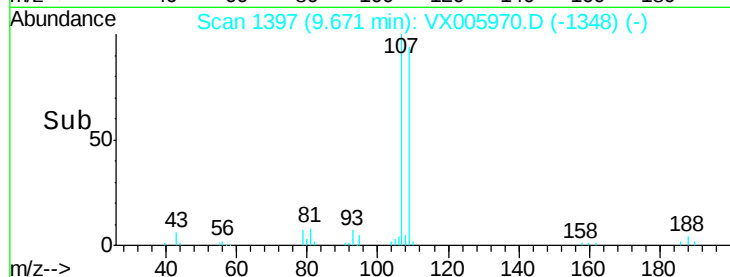
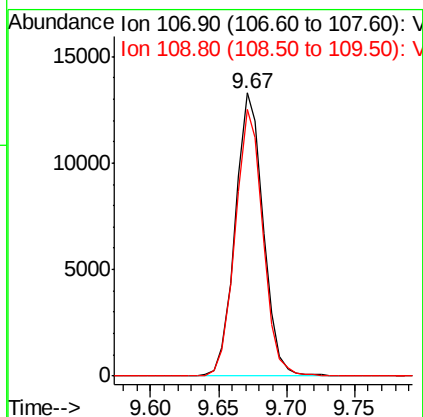
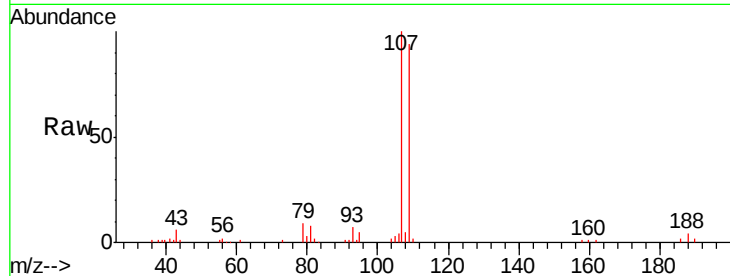
#61
 1,2-Dibromoethane
 Concen: 16.63 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX005970.D
 Acq: 14 Nov 2018 13:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1114WBS01

Tgt Ion: 107 Resp: 18987
 Ion Ratio Lower Upper
 107 100
 109 93.0 75.7 113.5

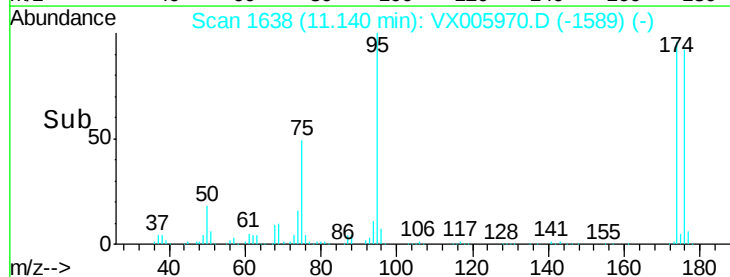
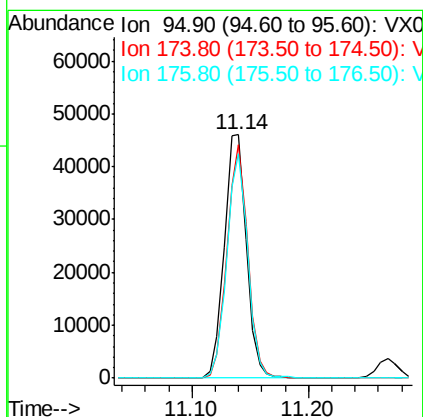
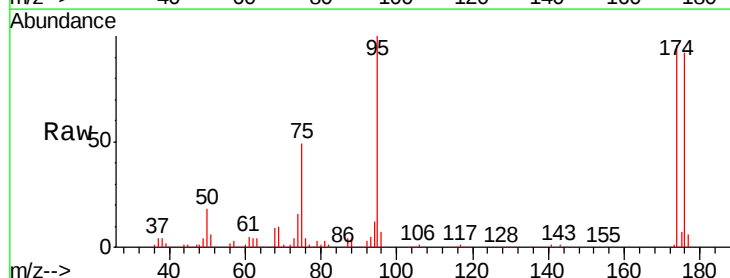
Manual Integrations
 APPROVED

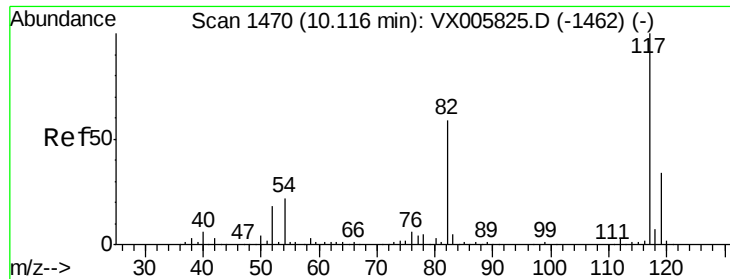
MMDadoda
 11/15/2018 1:04:55 PM



#62
 4-Bromofluorobenzene
 Concen: 50.56 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.00 min
 Lab File: VX005970.D
 Acq: 14 Nov 2018 13:23

Tgt Ion: 95 Resp: 60628
 Ion Ratio Lower Upper
 95 100
 174 90.3 0.0 184.4
 176 87.7 0.0 177.4





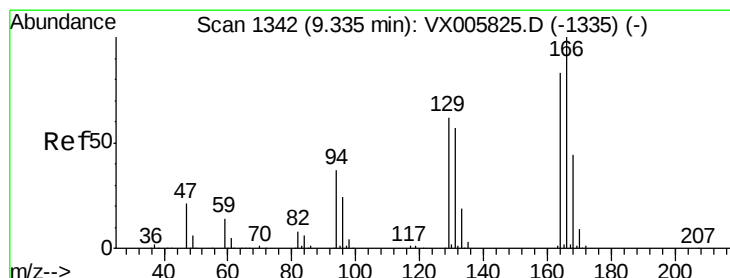
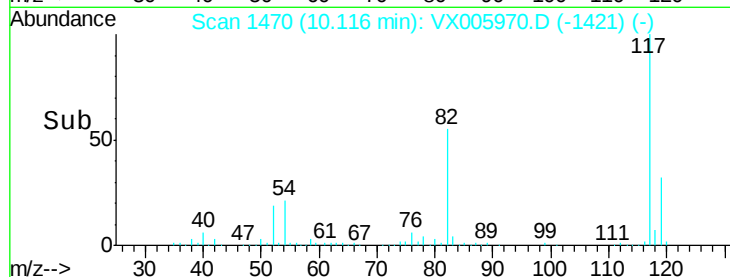
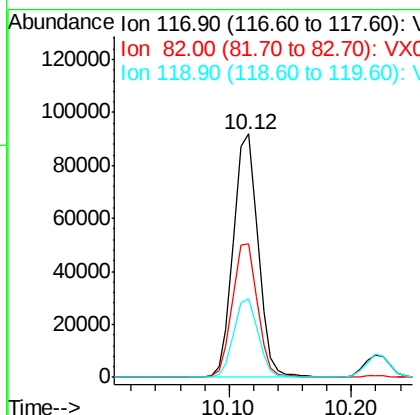
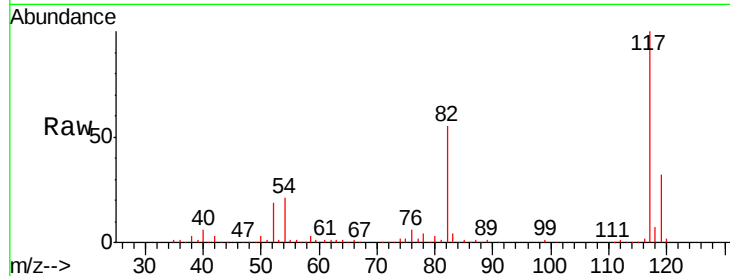
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005970.D
Acq: 14 Nov 2018 13:23

Instrument :
MSVOA_X
ClientSampleId :
VX1114WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	128370		
82	55.1	44.1	66.1	
119	32.5	26.2	39.2	

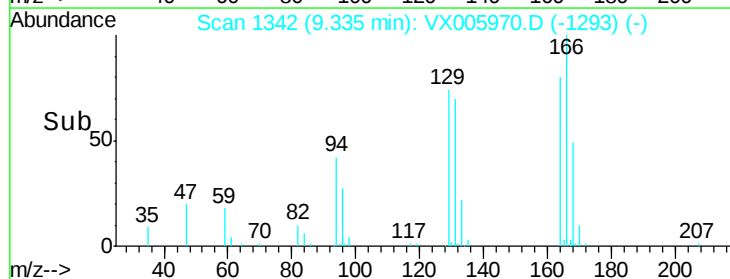
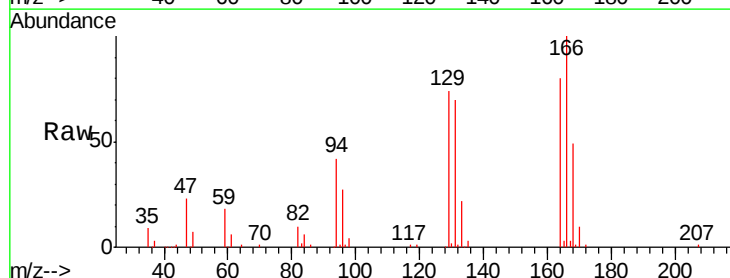
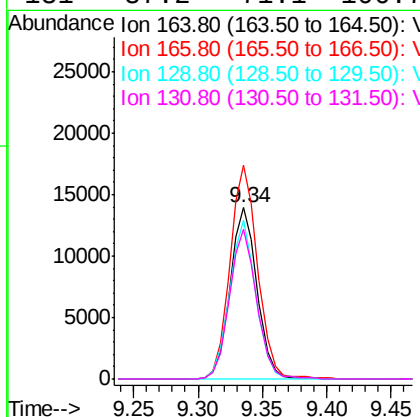
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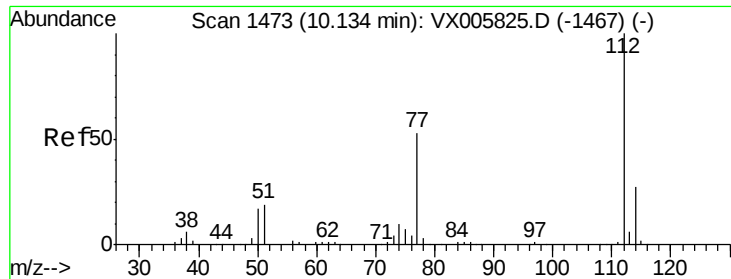
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#64
Tetrachloroethene
Concen: 18.68 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX005970.D
Acq: 14 Nov 2018 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	20418		
166	124.9	101.9	152.9	
129	92.9	72.6	109.0	
131	87.2	71.1	106.7	





#65

Chlorobenzene

Concen: 19.12 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX005970.D

Acq: 14 Nov 2018 13:23

Instrument :

MSVOA_X

ClientSampleId :

VX1114WBS01

Tgt Ion:112 Resp: 49168

Ion Ratio Lower Upper

112 100

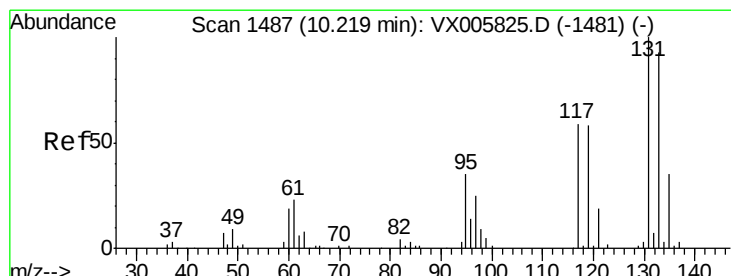
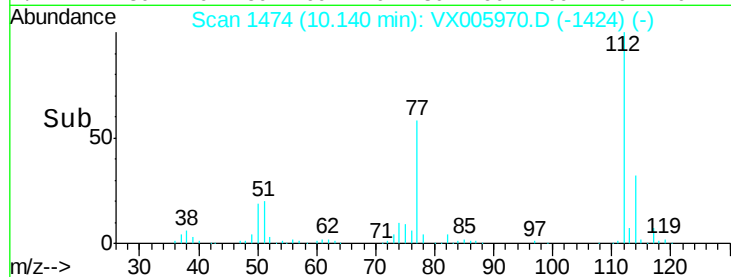
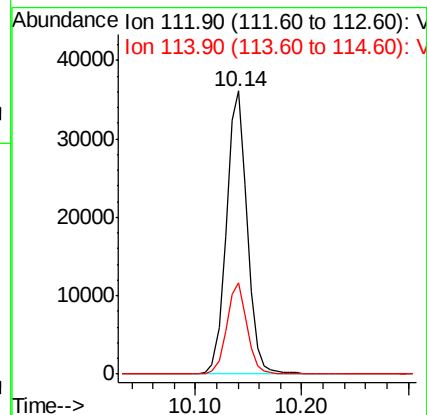
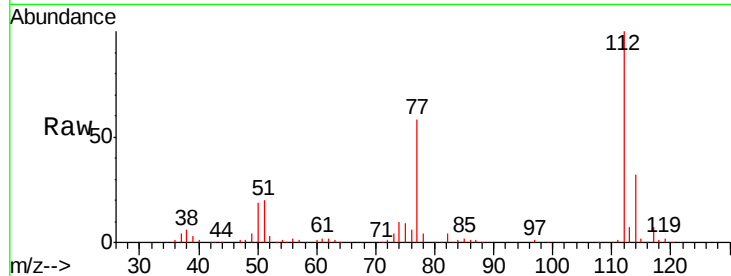
114 32.1 25.8 38.6

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 20.05 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX005970.D

Acq: 14 Nov 2018 13:23

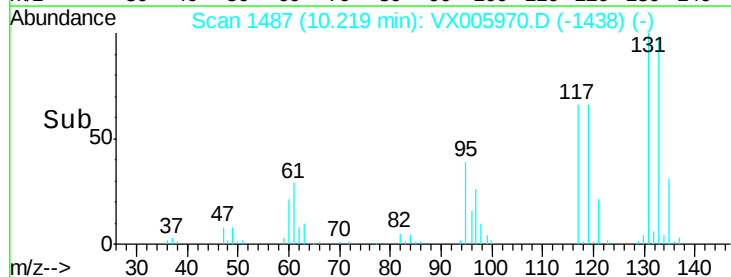
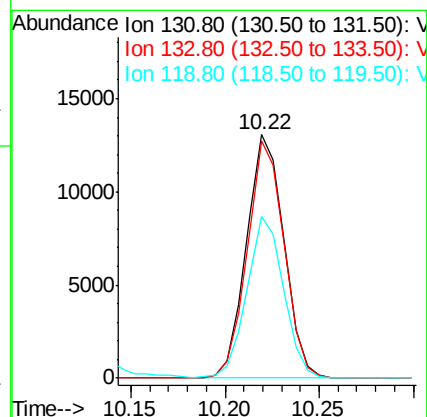
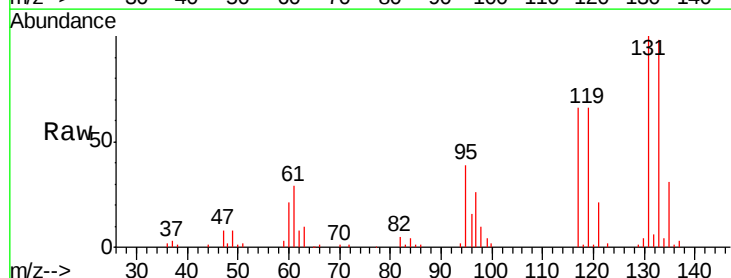
Tgt Ion:131 Resp: 17929

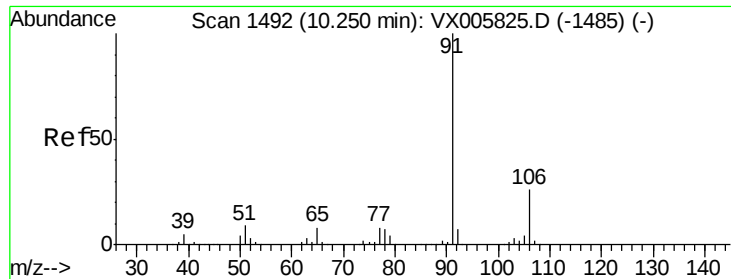
Ion Ratio Lower Upper

131 100

133 95.8 47.5 142.5

119 65.3 31.8 95.3





#67

Ethyl Benzene

Concen: 19.77 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX005970.D

Acq: 14 Nov 2018 13:23

Instrument :

MSVOA_X

ClientSampleId :

VX1114WBS01

Tgt Ion: 91 Resp: 81512

Ion Ratio Lower Upper

91 100

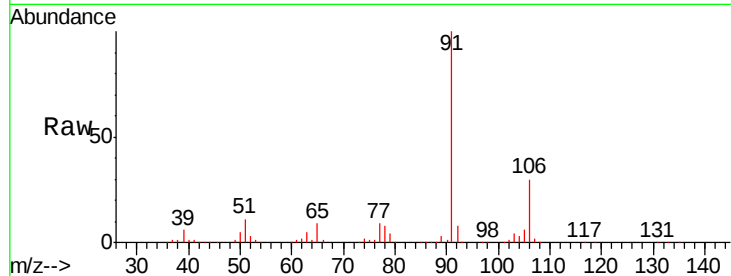
106 30.5 24.4 36.6

Manual Integrations

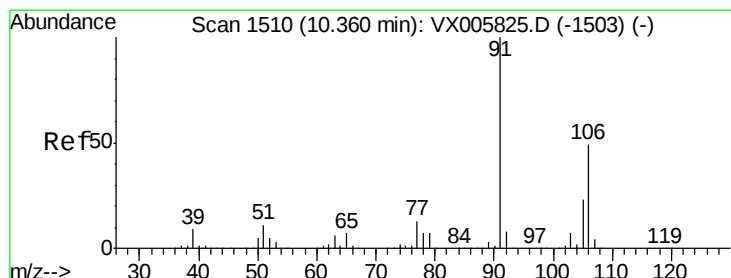
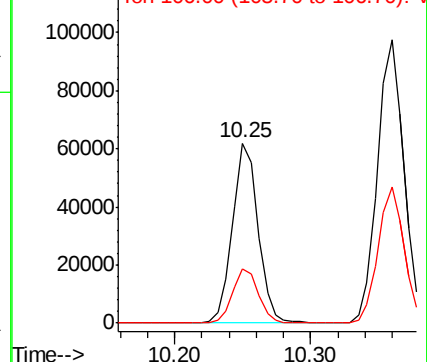
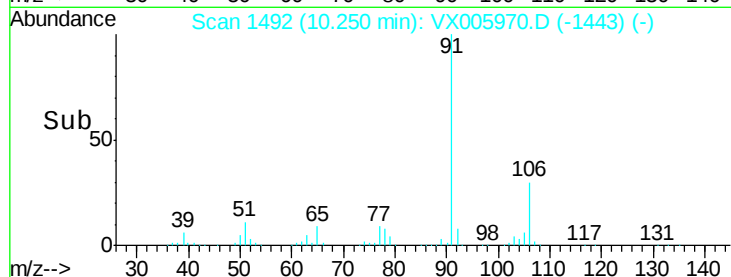
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Abundance Ion 91.00 (90.70 to 91.70): VX005970.D (-1443) (-)



#68

m/p-Xylenes

Concen: 40.22 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX005970.D

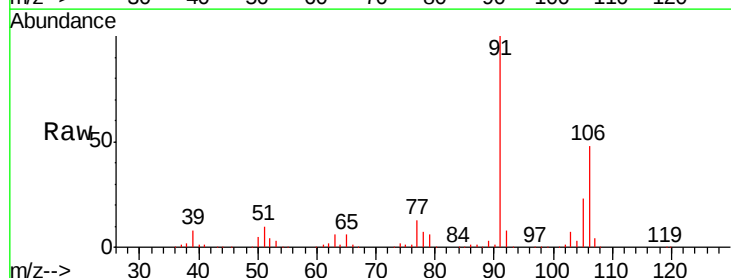
Acq: 14 Nov 2018 13:23

Tgt Ion: 106 Resp: 63270

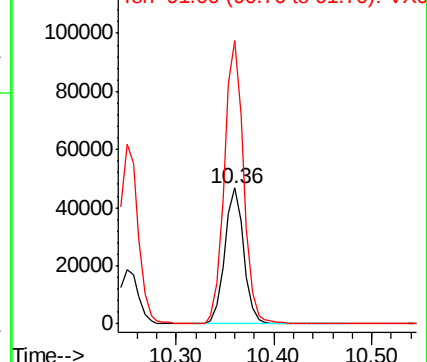
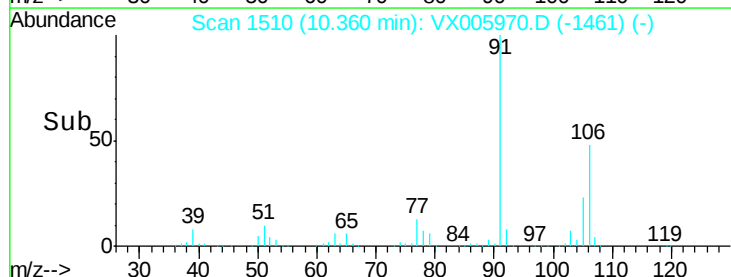
Ion Ratio Lower Upper

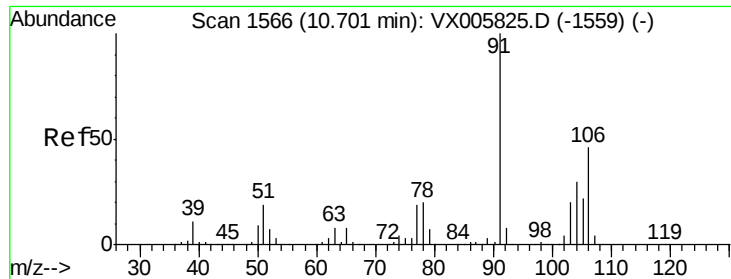
106 100

91 209.4 164.2 246.4



Abundance Ion 106.00 (105.70 to 106.70): VX005970.D (-1461) (-)





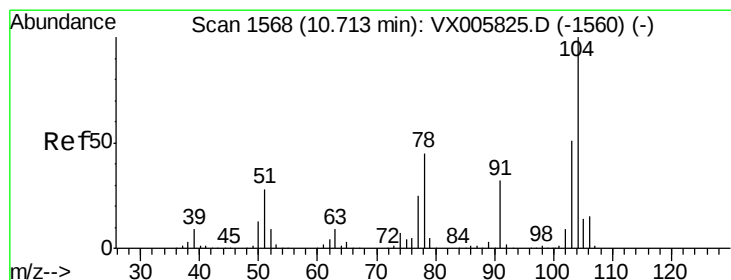
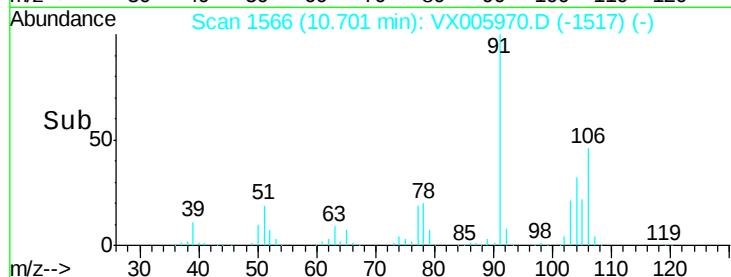
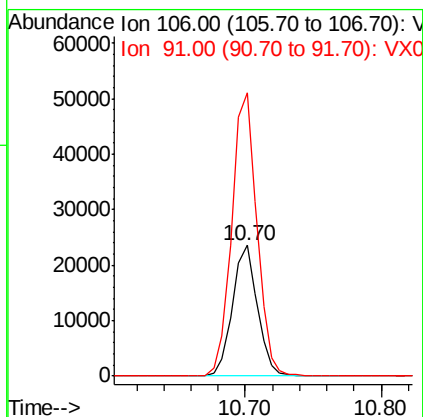
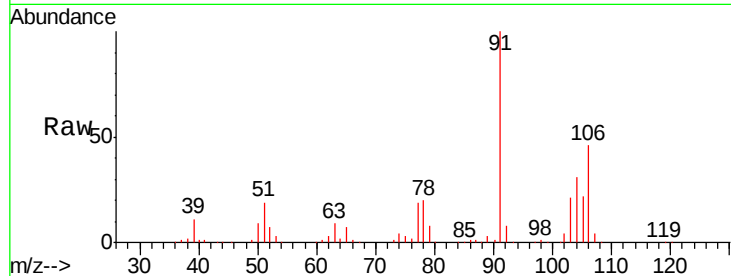
#69
o-Xylene
Concen: 21.34 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX005970.D
Acq: 14 Nov 2018 13:23

Instrument :
MSVOA_X
ClientSampleId :
VX1114WBS01

Tgt Ion:106 Resp: 30095
Ion Ratio Lower Upper
106 100
91 219.3 108.5 325.5

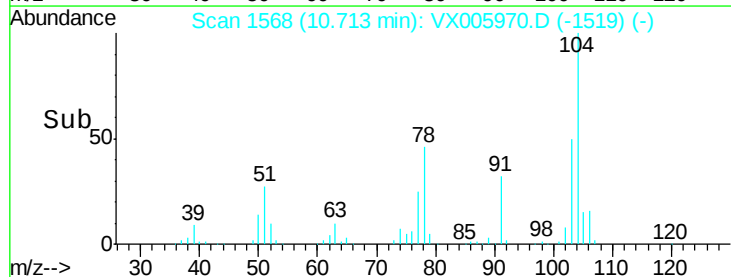
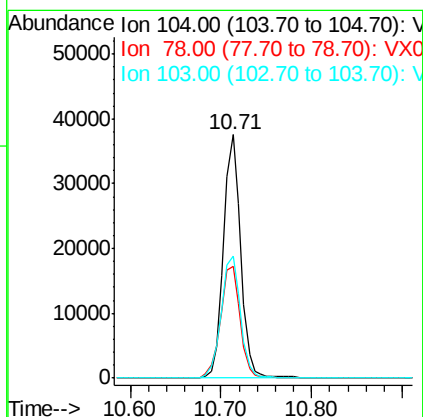
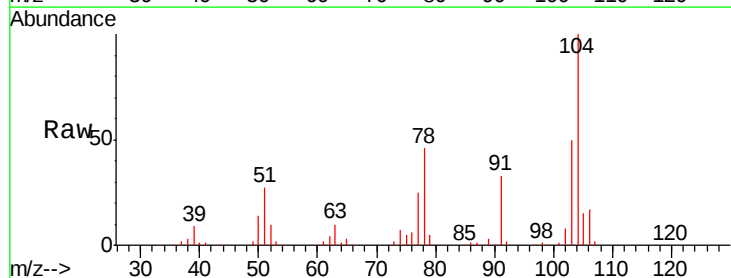
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#70
Styrene
Concen: 21.50 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX005970.D
Acq: 14 Nov 2018 13:23

Tgt Ion:104 Resp: 50031
Ion Ratio Lower Upper
104 100
78 52.2 40.2 60.4
103 55.9 44.9 67.3





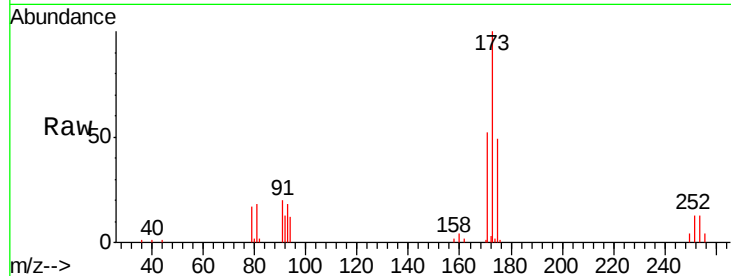
#71
Bromoform
Concen: 20.41 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX005970.D
Acq: 14 Nov 2018 13:23

Instrument :
MSVOA_X
ClientSampleId :
VX1114WBS01

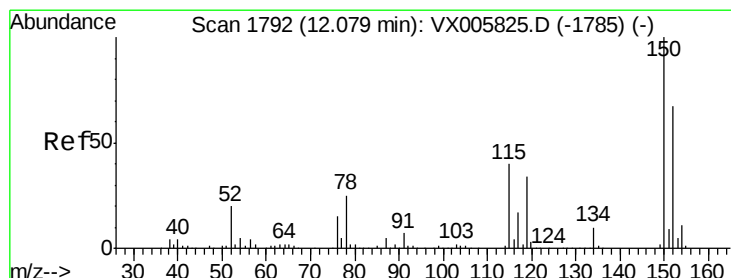
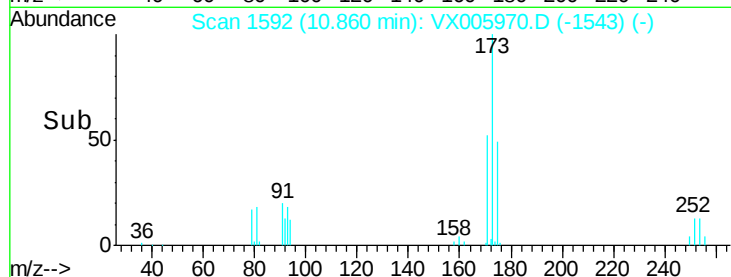
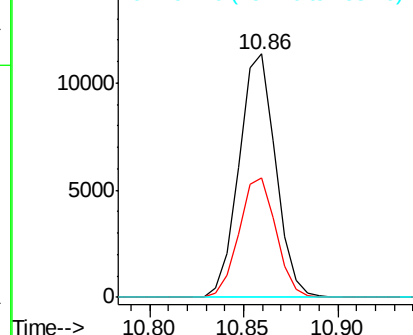
Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.8	74.3
254	0.0	0.2	0.2

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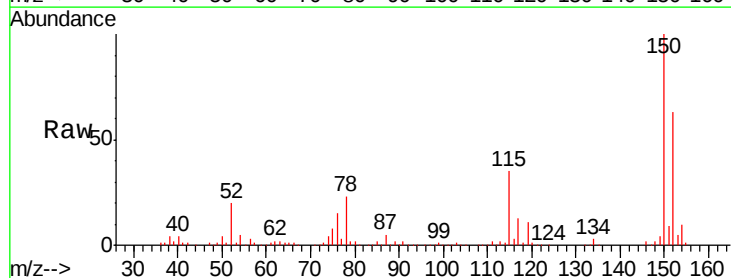


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

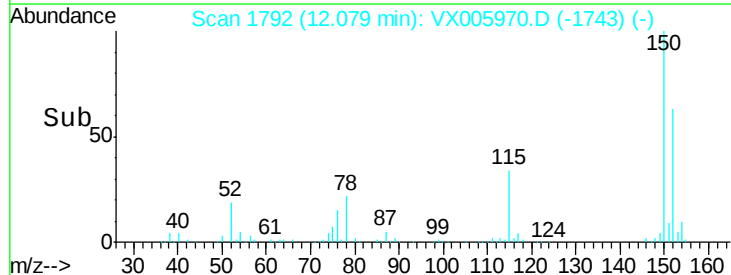
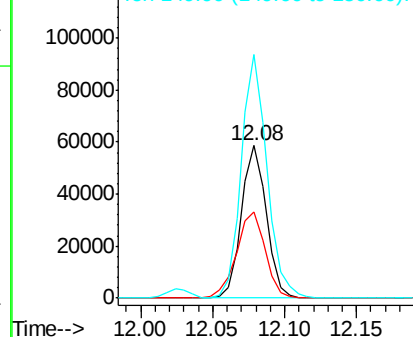


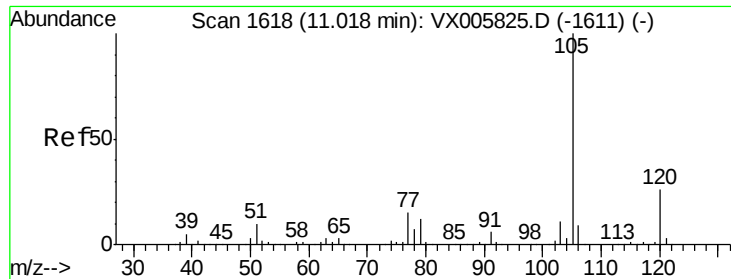
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX005970.D
Acq: 14 Nov 2018 13:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.2	39.4	118.1
150	163.9	0.0	346.4



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





#73

Isopropylbenzene

Concen: 20.28 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX005970.D

Acq: 14 Nov 2018 13:23

Instrument :

MSVOA_X

ClientSampleId :

VX1114WBS01

Tgt Ion: 105 Resp: 83328

Ion Ratio Lower Upper

105 100

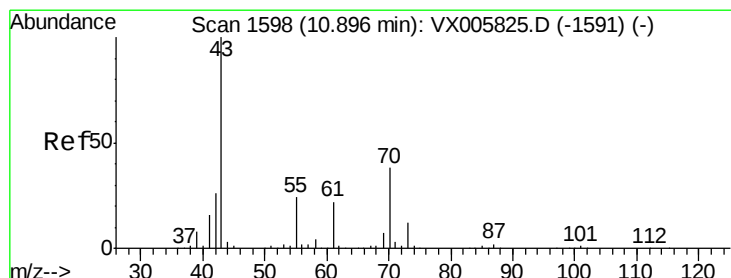
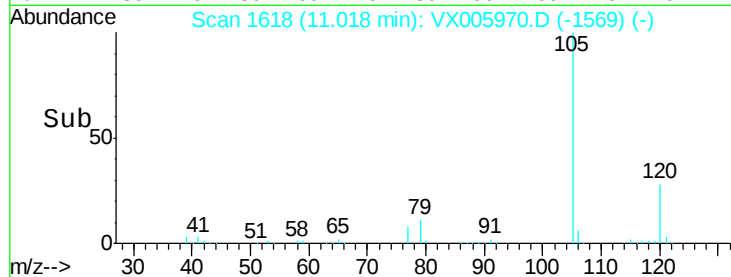
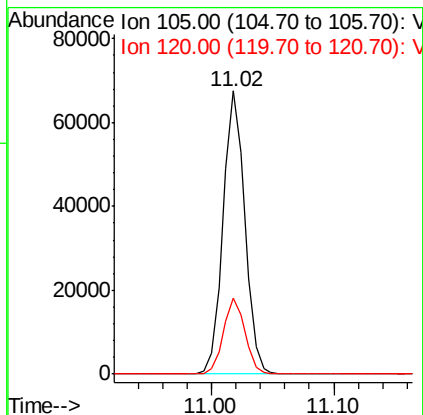
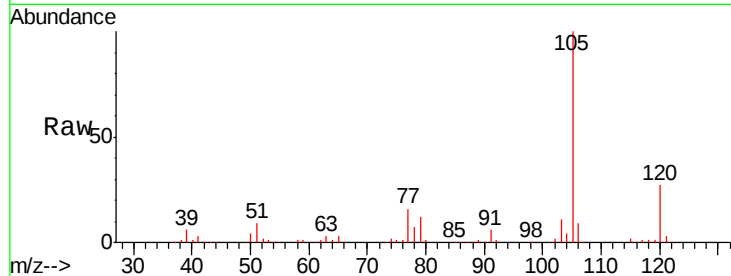
120 26.4 13.1 39.3

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#74

N-ethyl acetate

Concen: 17.98 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX005970.D

Acq: 14 Nov 2018 13:23

Tgt Ion: 43 Resp: 39566

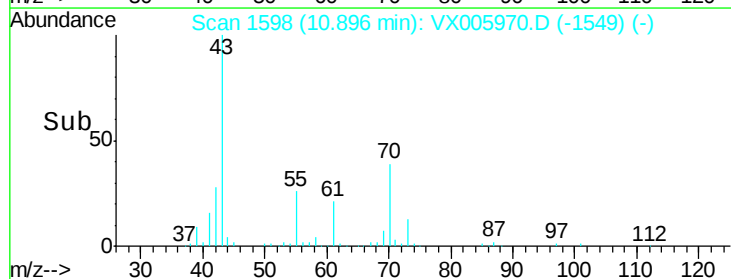
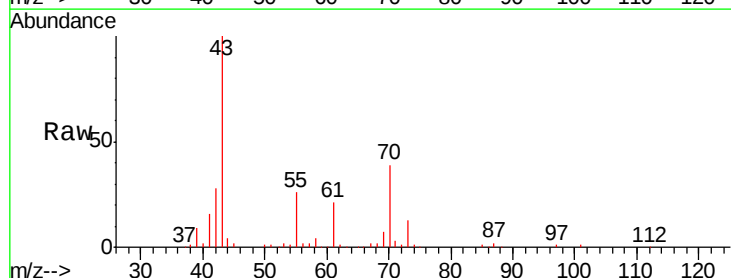
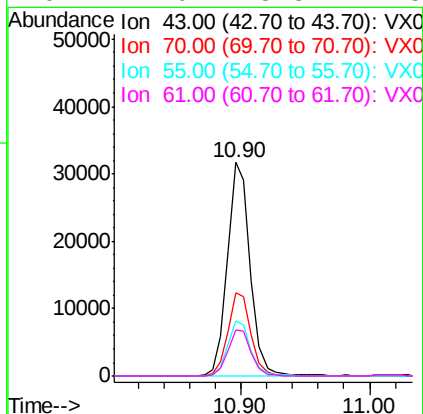
Ion Ratio Lower Upper

43 100

70 39.3 31.6 47.4

55 26.0 19.7 29.5

61 22.0 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.56 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX005970.D

Acq: 14 Nov 2018 13:23

Instrument :

MSVOA_X

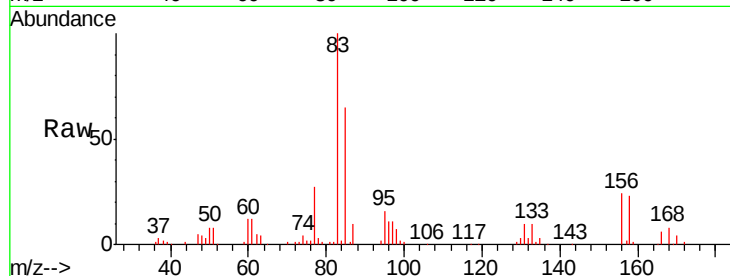
ClientSampleId :

VX1114WBS01

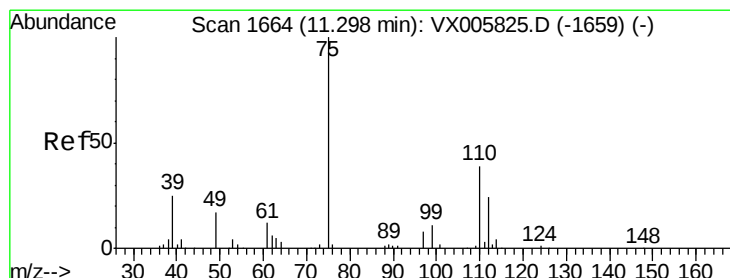
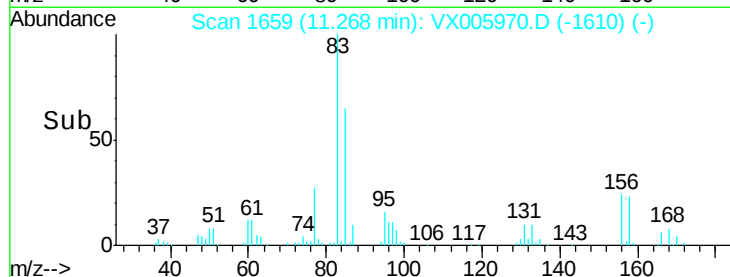
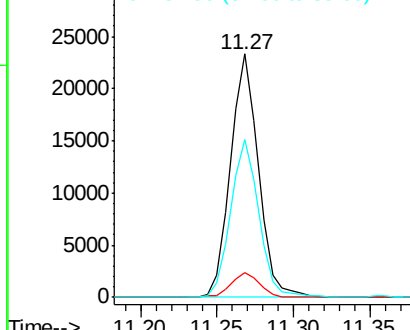
Tgt Ion:	83	Resp:	29492
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.3	15.9
85	65.7	32.0	96.2

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



#76

1,2,3-Trichloropropane

Concen: 20.36 ug/l m

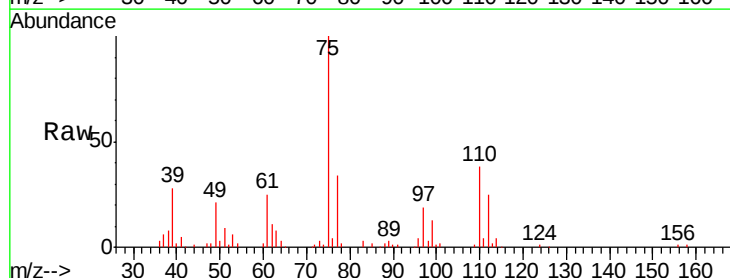
RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

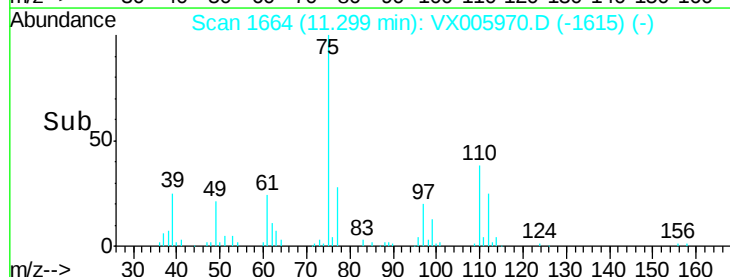
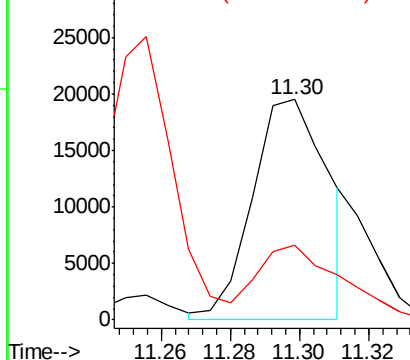
Lab File: VX005970.D

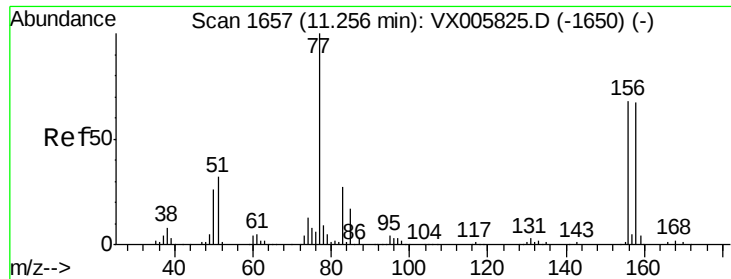
Acq: 14 Nov 2018 13:23

Tgt Ion:	75	Resp:	29450
Ion Ratio	Lower	Upper	
75	100		
77	37.9	20.5	61.6



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





#77

Bromobenzene

Concen: 19.19 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX005970.D

Acq: 14 Nov 2018 13:23

Instrument :

MSVOA_X

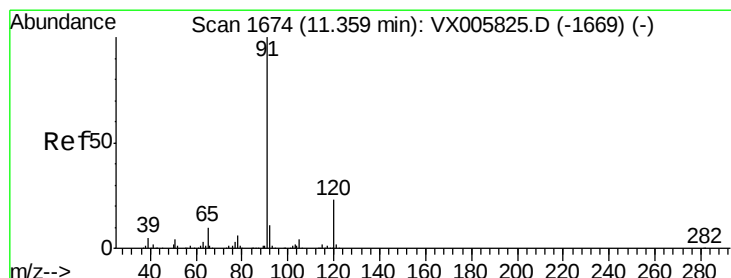
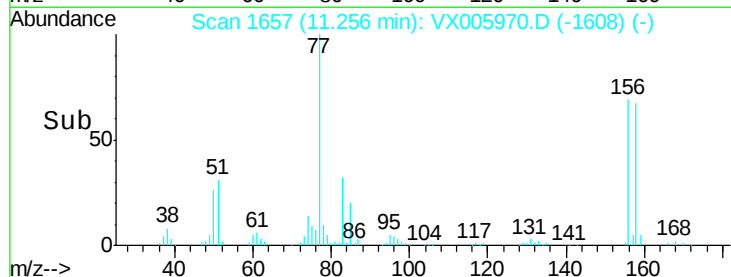
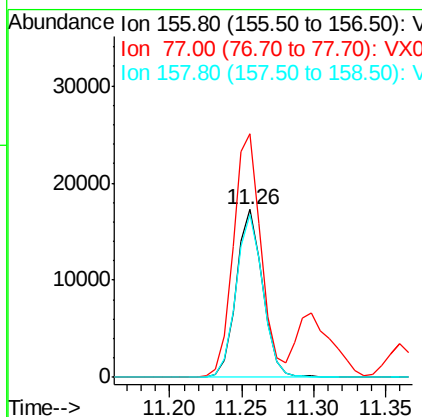
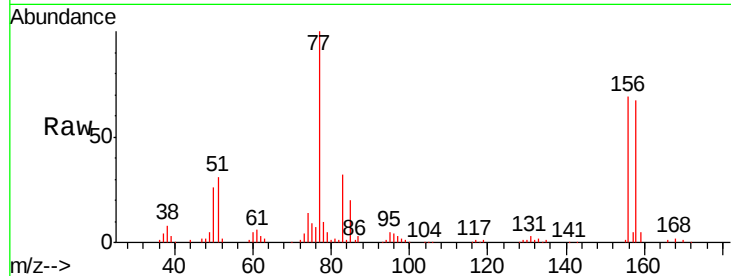
ClientSampleId :

VX1114WBS01

Tgt Ion	Ratio	Lower	Upper
156	100		
77	152.6	74.8	224.4
158	98.1	49.1	147.3

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#78

n-propylbenzene

Concen: 20.01 ug/l

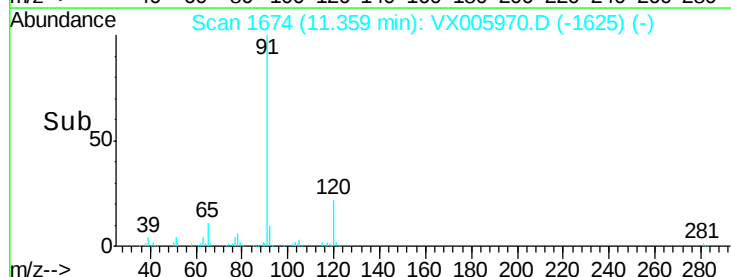
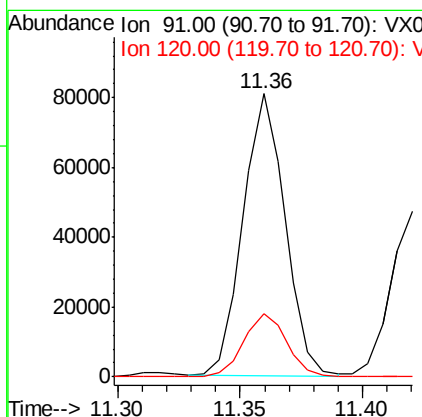
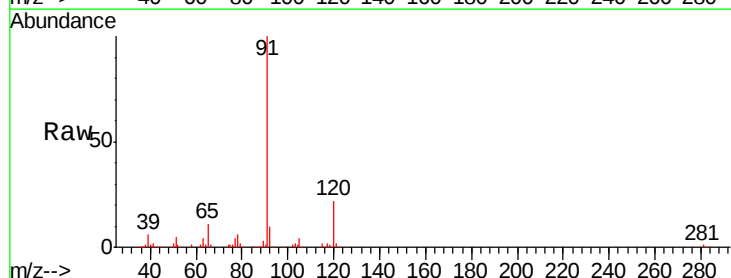
RT: 11.36 min Scan# 1674

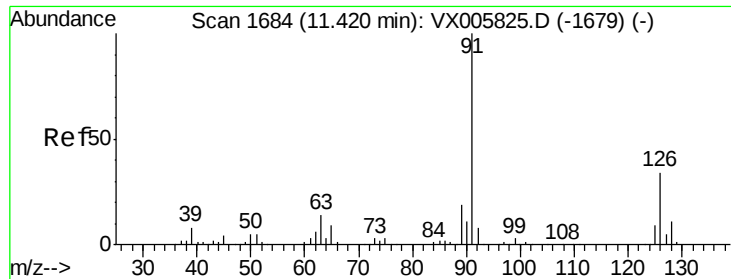
Delta R.T. 0.00 min

Lab File: VX005970.D

Acq: 14 Nov 2018 13:23

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.9	35.5





#79

2-Chlorotoluene

Concen: 20.04 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX005970.D

Acq: 14 Nov 2018 13:23

Instrument :

MSVOA_X

ClientSampleId :

VX1114WBS01

Tgt Ion: 91 Resp: 58664

Ion Ratio Lower Upper

91 100

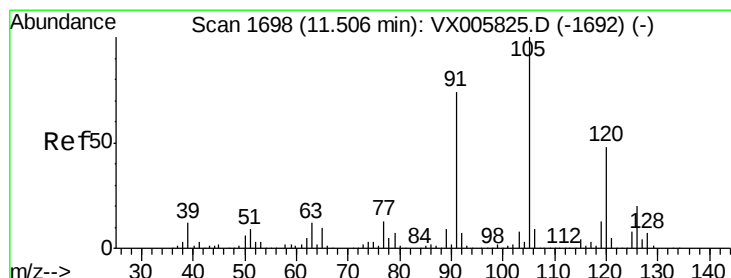
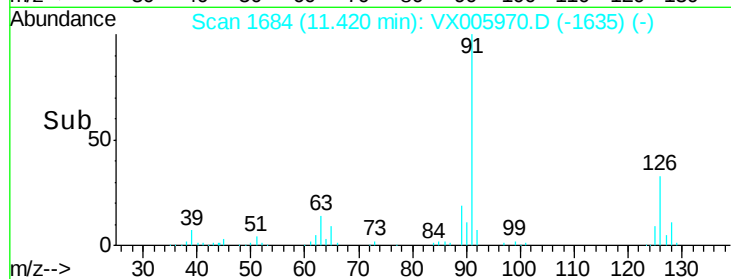
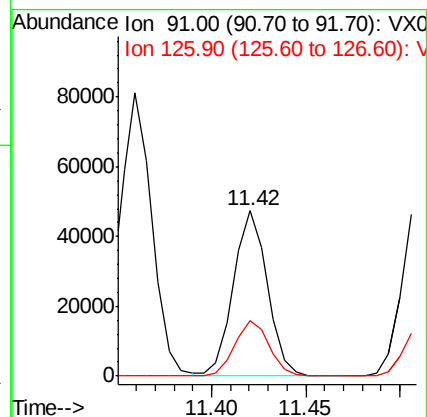
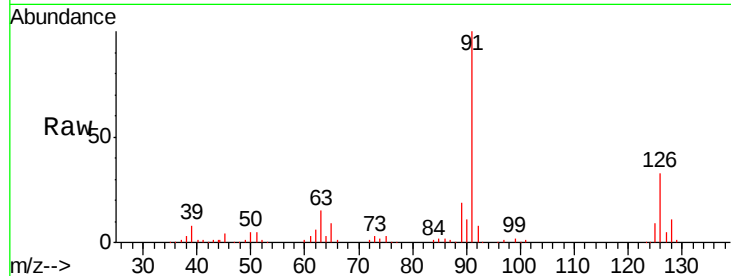
126 34.3 17.3 52.0

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.44 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX005970.D

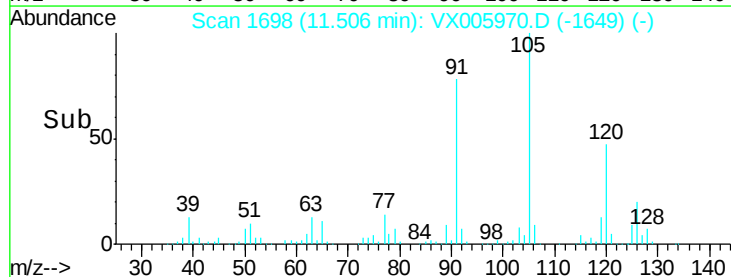
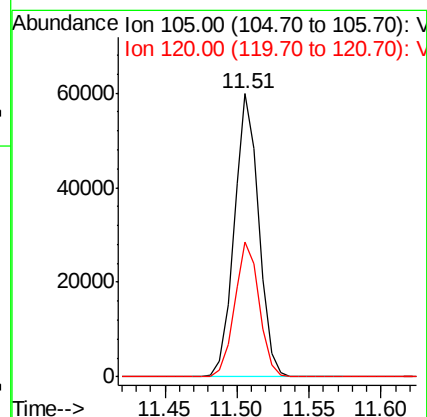
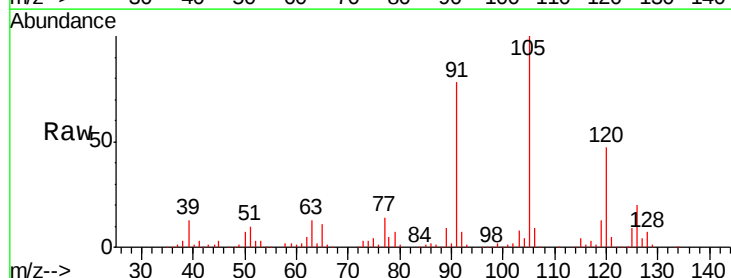
Acq: 14 Nov 2018 13:23

Tgt Ion: 105 Resp: 71359

Ion Ratio Lower Upper

105 100

120 47.8 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 19.45 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX005970.D

Acq: 14 Nov 2018 13:23

Instrument :

MSVOA_X

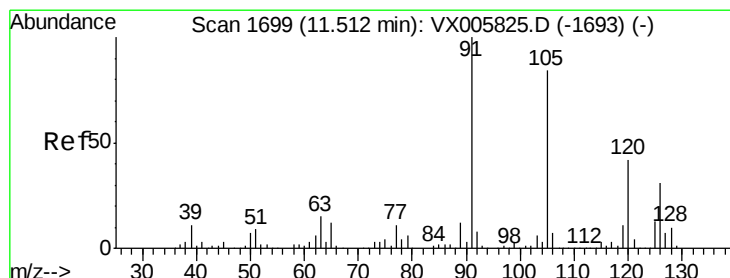
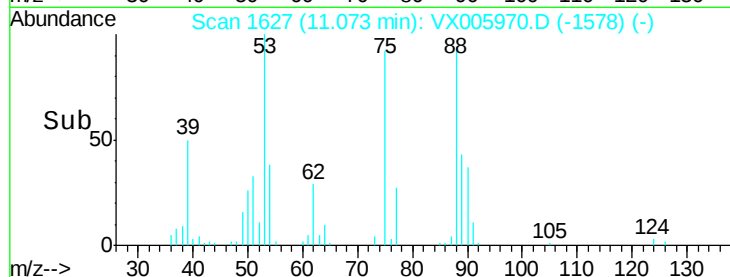
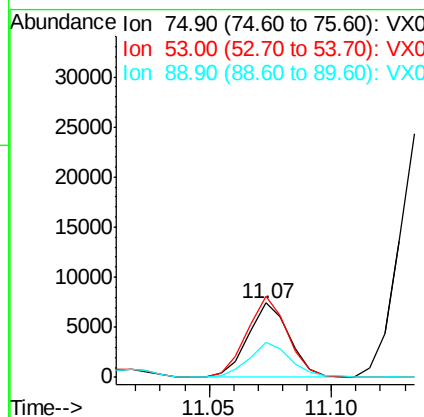
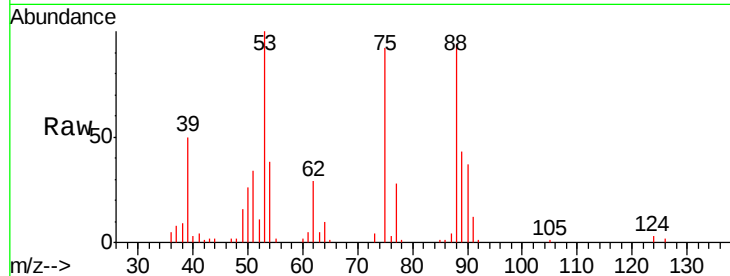
ClientSampleId :

VX1114WBS01

Tgt Ion:	75	Resp:	8828
Ion Ratio	Lower	Upper	
75	100		
53	107.3	80.2	120.2
89	48.3	39.8	59.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.17 ug/l

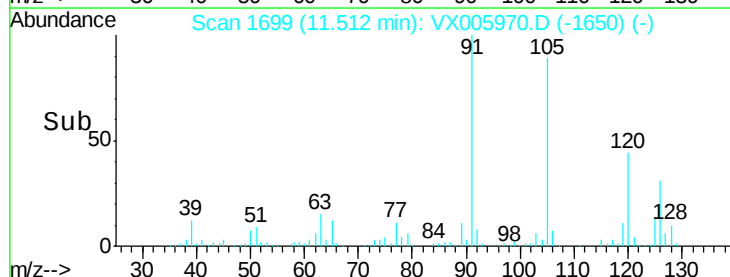
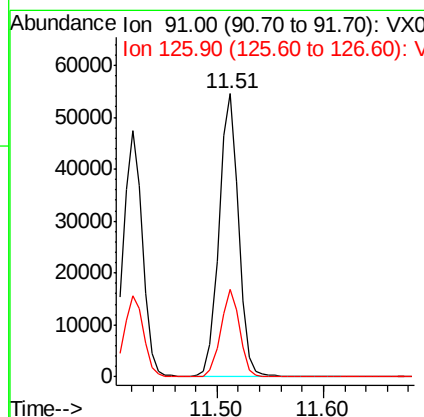
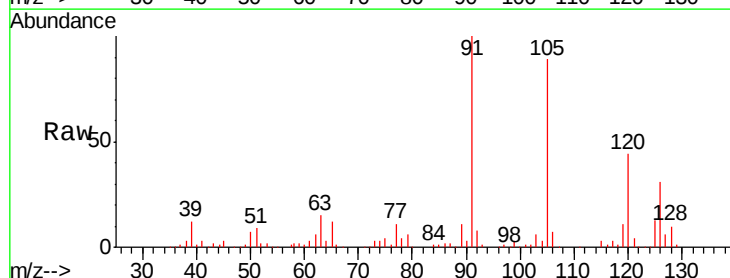
RT: 11.51 min Scan# 1699

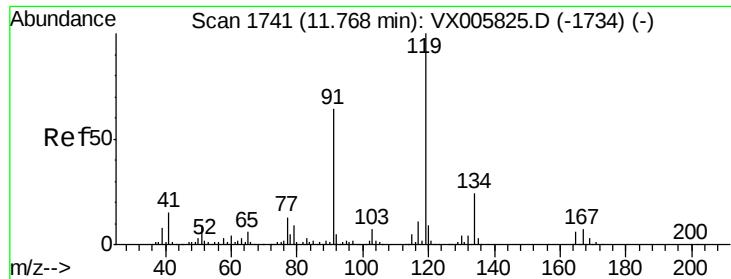
Delta R.T. 0.00 min

Lab File: VX005970.D

Acq: 14 Nov 2018 13:23

Tgt Ion:	91	Resp:	69581
Ion Ratio	Lower	Upper	
91	100		
126	30.0	15.2	45.6





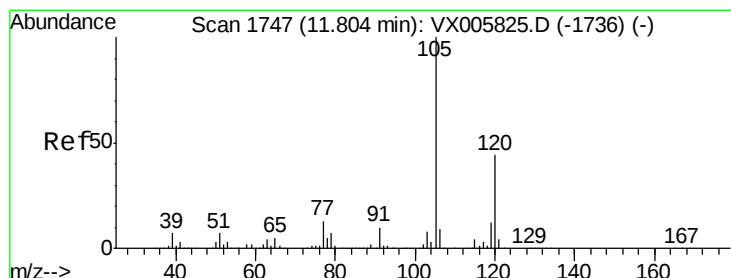
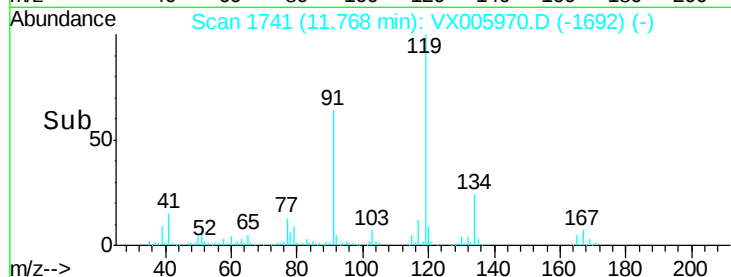
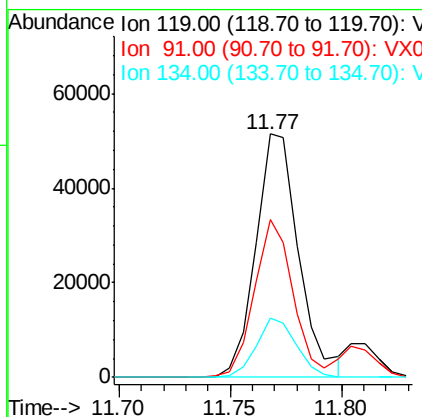
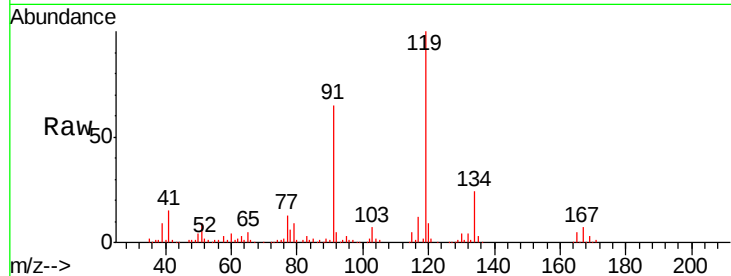
#83
 tert-Butylbenzene
 Concen: 19.60 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX005970.D
 Acq: 14 Nov 2018 13:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1114WBS01

Tgt Ion	Ratio	Lower	Upper
119	100		
91	58.1	28.5	85.5
134	22.7	11.3	33.8

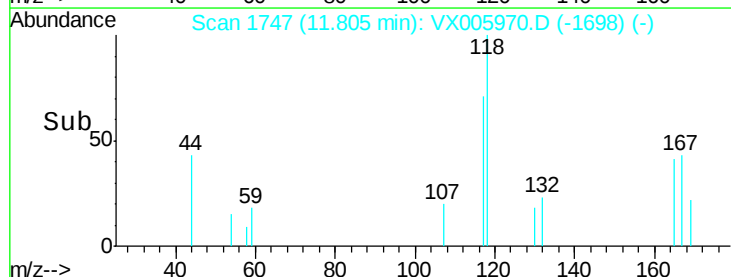
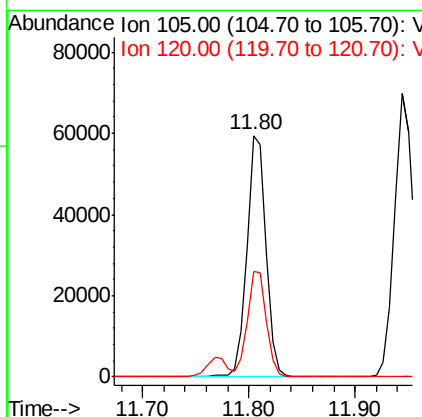
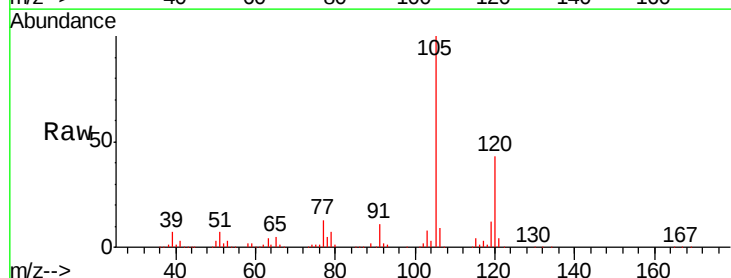
Manual Integrations
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.34 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX005970.D
 Acq: 14 Nov 2018 13:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.3	22.4	67.0





#85

sec-Butylbenzene

Concen: 19.79 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX005970.D

Acq: 14 Nov 2018 13:23

Instrument :

MSVOA_X

ClientSampleId :

VX1114WBS01

Tgt Ion:105 Resp: 85474

Ion Ratio Lower Upper

105 100

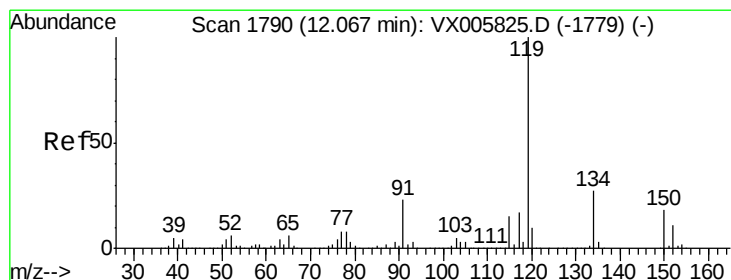
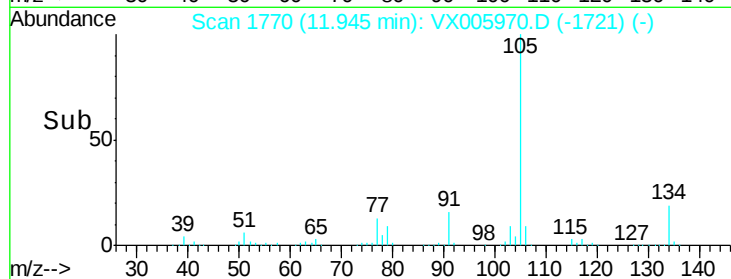
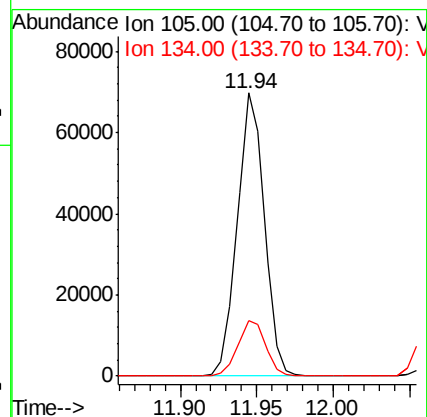
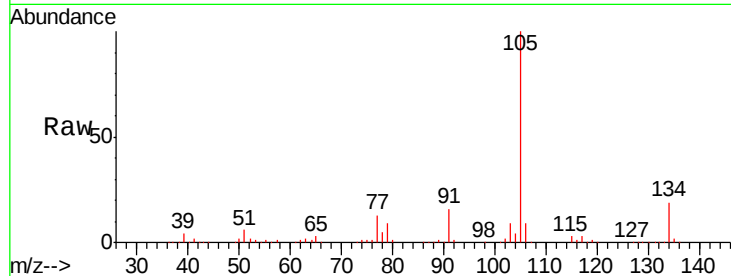
134 20.0 10.2 30.4

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#86

p-Isopropyltoluene

Concen: 19.59 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX005970.D

Acq: 14 Nov 2018 13:23

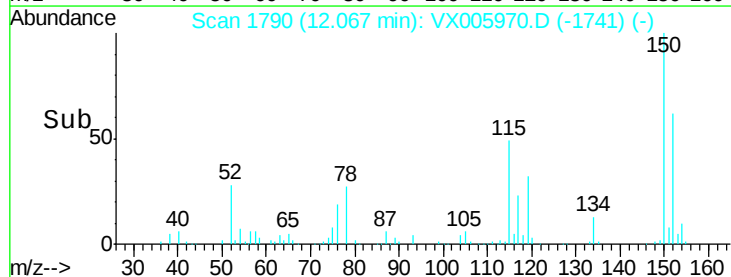
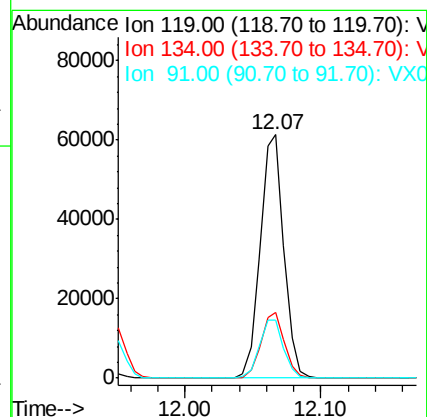
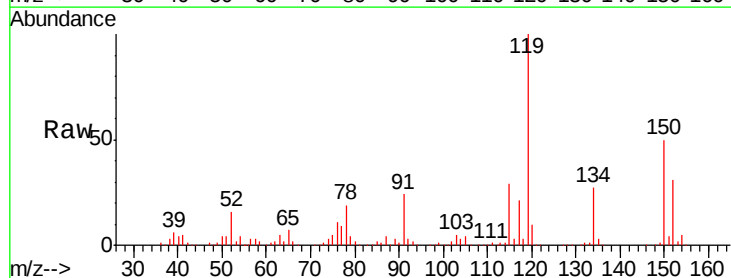
Tgt Ion:119 Resp: 74958

Ion Ratio Lower Upper

119 100

134 26.8 13.0 39.0

91 24.2 11.4 34.2





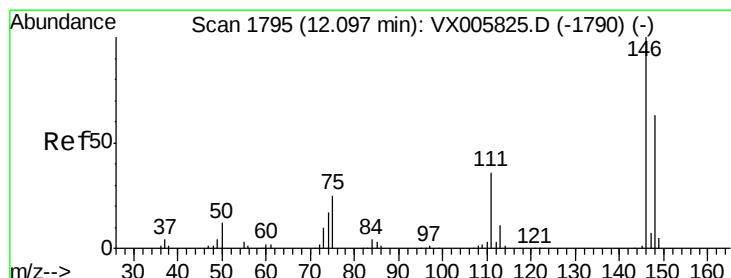
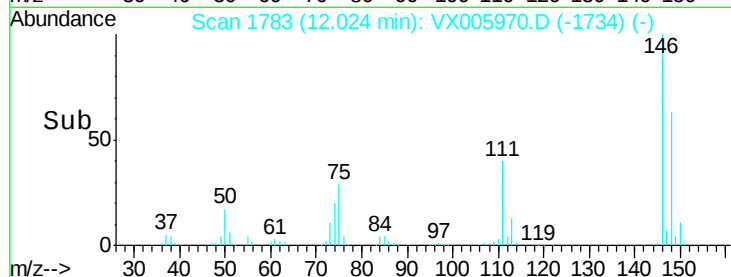
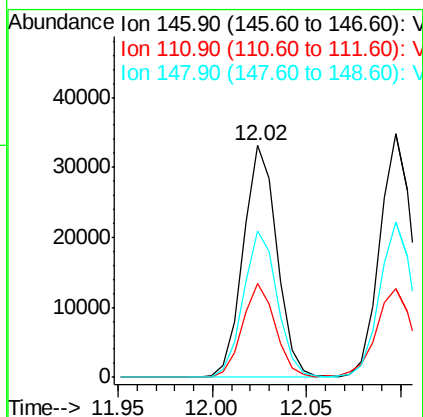
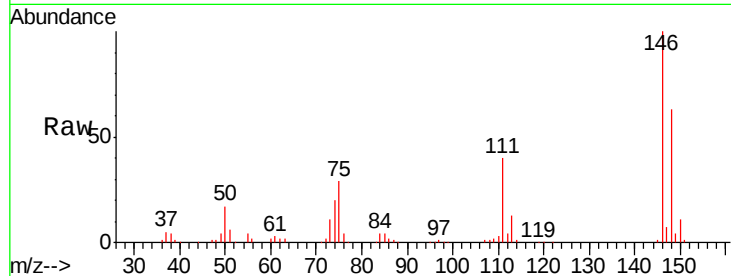
#87
 1,3-Dichlorobenzene
 Concen: 18.53 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX005970.D
 Acq: 14 Nov 2018 13:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1114WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.0	57.0
148	63.5	31.9	95.9

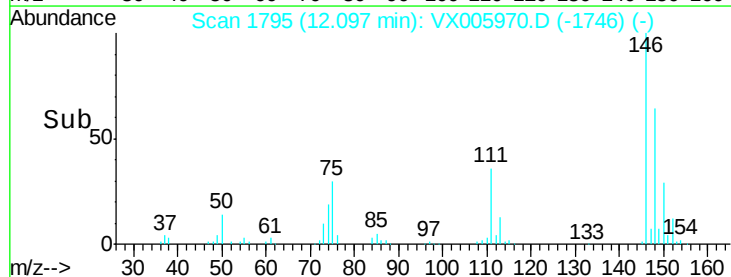
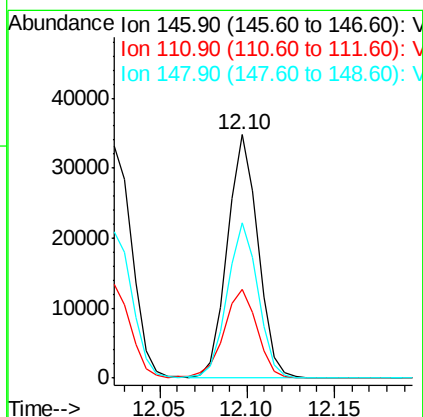
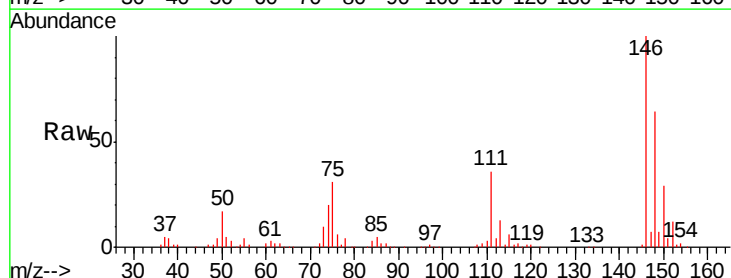
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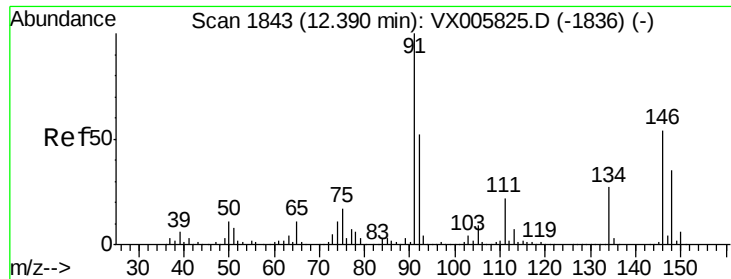
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#88
 1,4-Dichlorobenzene
 Concen: 18.60 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX005970.D
 Acq: 14 Nov 2018 13:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	18.6	55.8
148	64.5	32.1	96.3





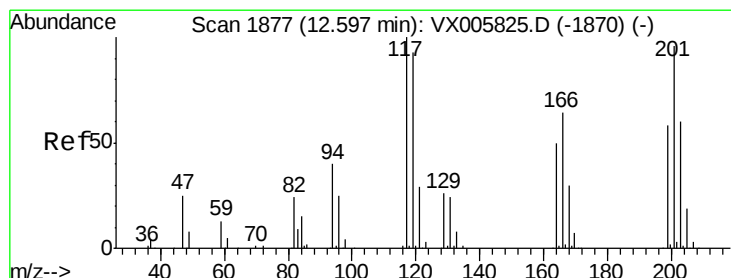
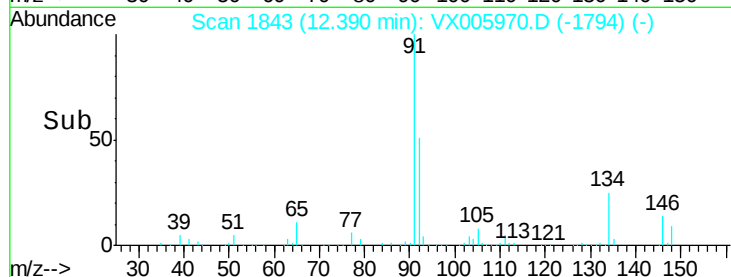
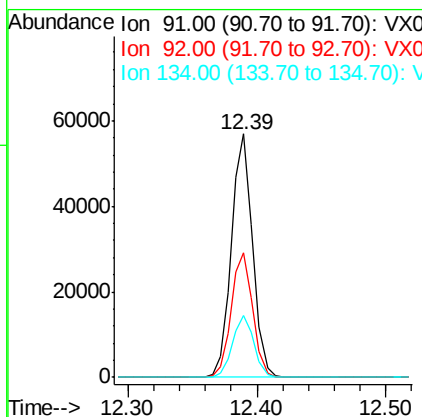
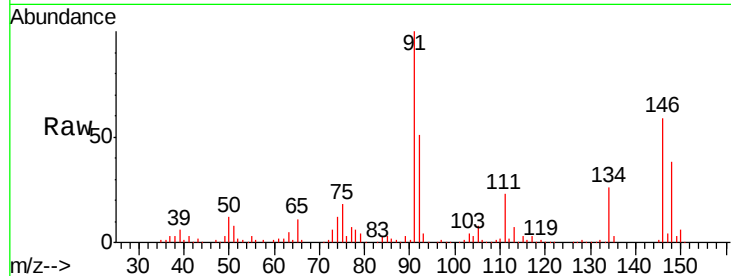
#89
n-Butylbenzene
Concen: 18.58 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX005970.D
Acq: 14 Nov 2018 13:23

Instrument :
MSVOA_X
ClientSampleId :
VX1114WBS01

Tgt Ion: 91 Resp: 65893
Ion Ratio Lower Upper
91 100
92 51.6 26.1 78.2
134 25.6 13.1 39.3

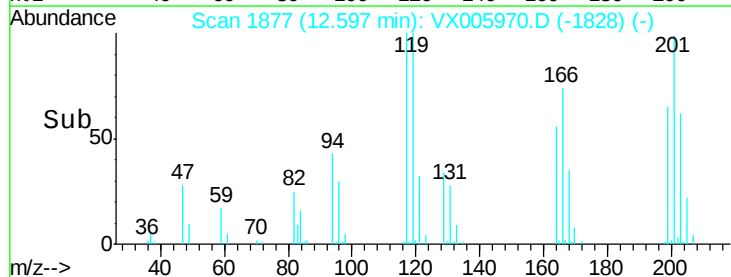
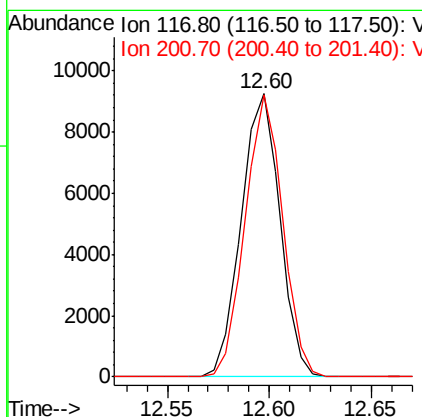
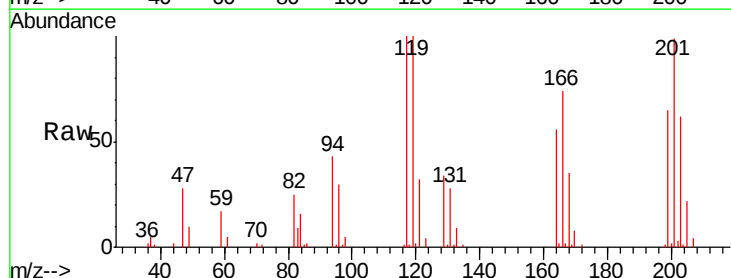
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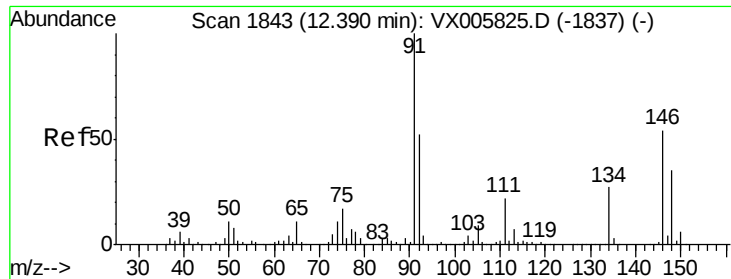
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#90
Hexachloroethane
Concen: 19.14 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX005970.D
Acq: 14 Nov 2018 13:23

Tgt Ion: 117 Resp: 12225
Ion Ratio Lower Upper
117 100
201 96.4 47.9 143.6





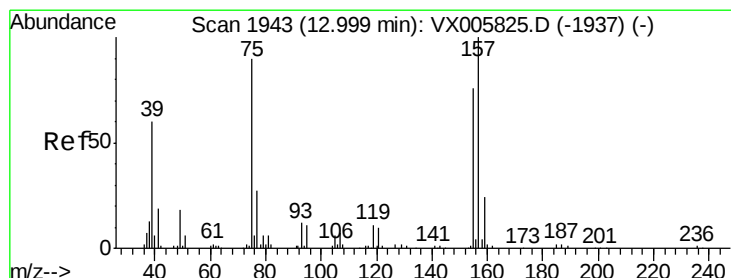
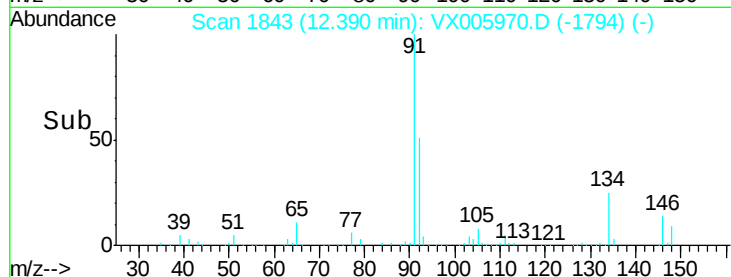
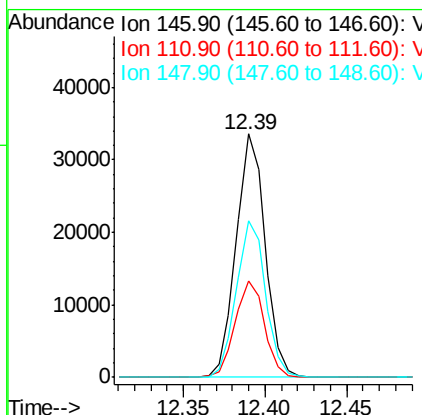
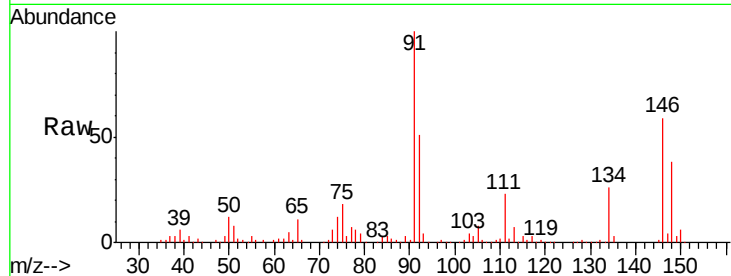
#91
 1,2-Dichlorobenzene
 Concen: 18.80 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX005970.D
 Acq: 14 Nov 2018 13:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1114WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.0	59.9
148	64.7	32.2	96.6

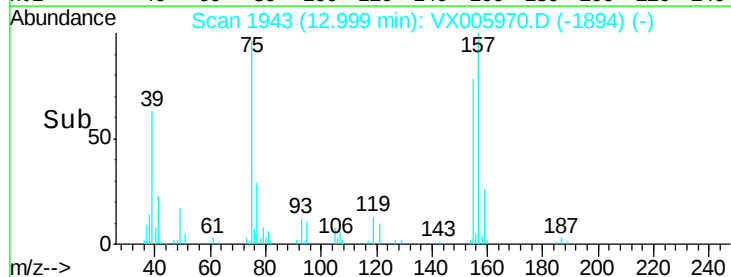
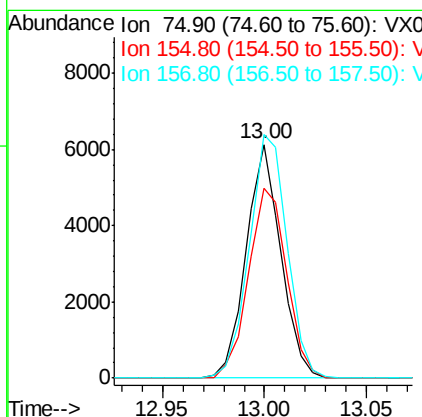
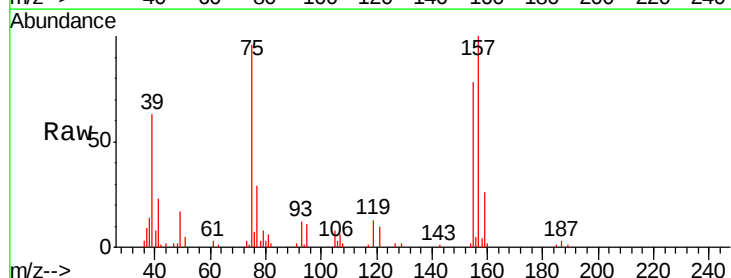
Manual Integrations
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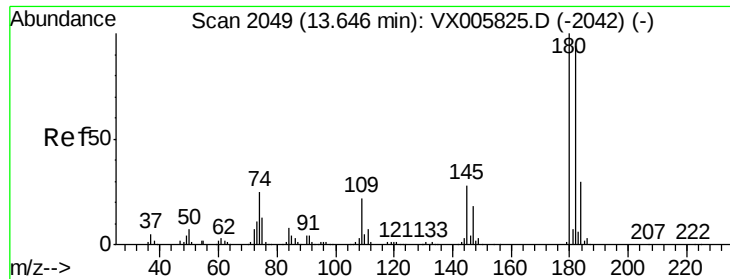
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.65 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX005970.D
 Acq: 14 Nov 2018 13:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.3	45.4	136.1
157	114.2	57.4	172.0





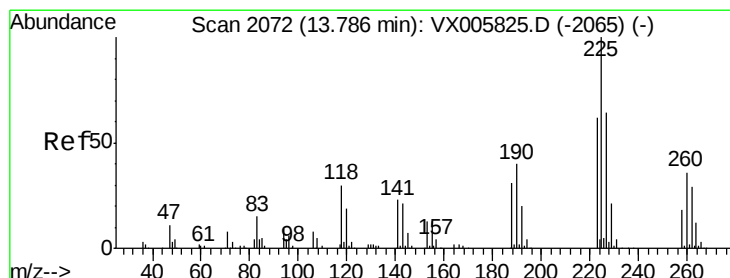
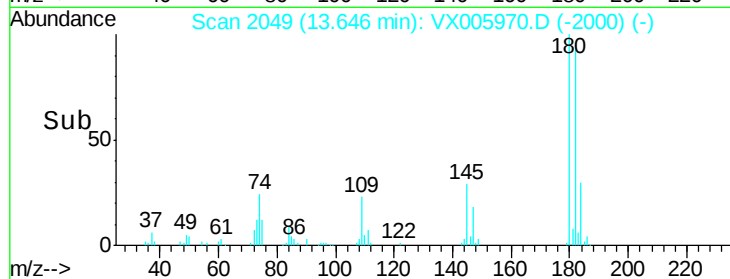
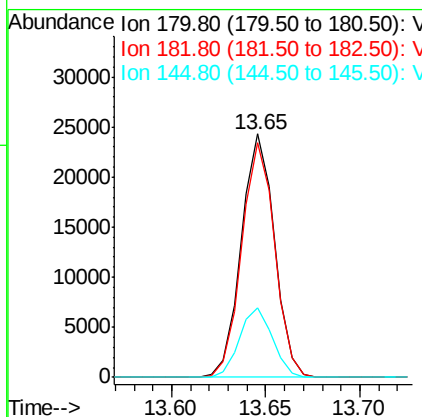
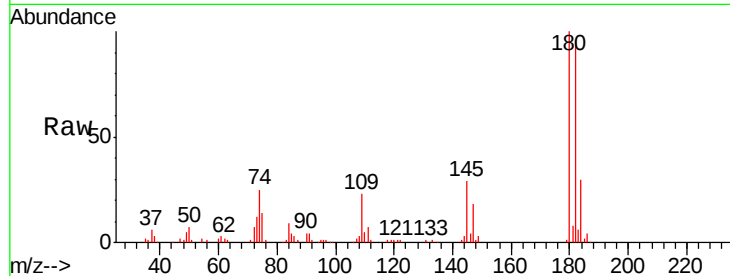
#93
 1,2,4-Trichlorobenzene
 Concen: 18.89 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX005970.D
 Acq: 14 Nov 2018 13:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1114WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	29614		
182	95.9	47.6	142.8	
145	28.6	14.1	42.2	

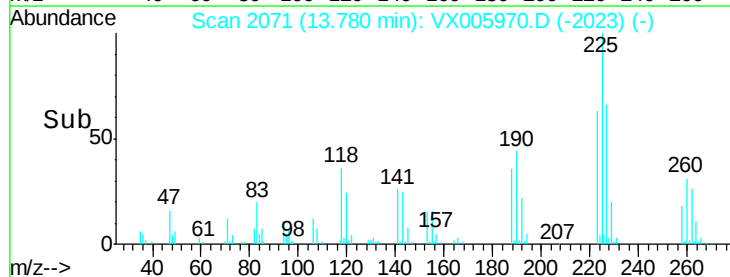
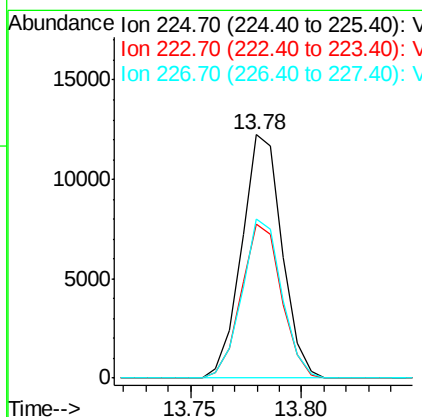
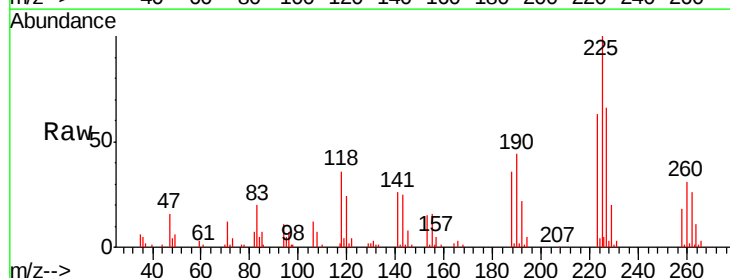
Manual Integrations
 APPROVED

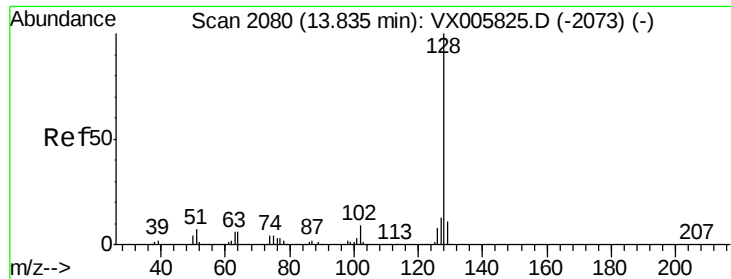
MMDadoda
 11/15/2018 1:04:55 PM



#94
 Hexachlorobutadiene
 Concen: 18.72 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX005970.D
 Acq: 14 Nov 2018 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	15410		
223	63.1	31.7	95.1	
227	64.7	32.3	96.9	





#95

Naphthalene

Concen: 18.23 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005970.D

Acq: 14 Nov 2018 13:23

Instrument :

MSVOA_X

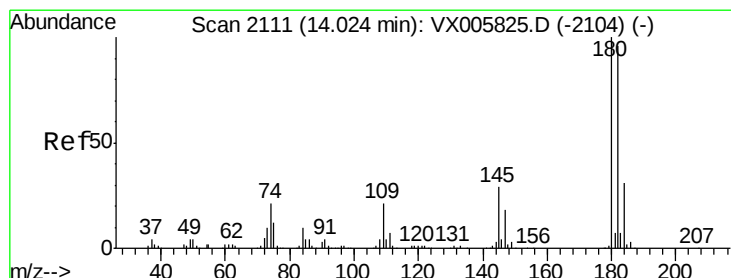
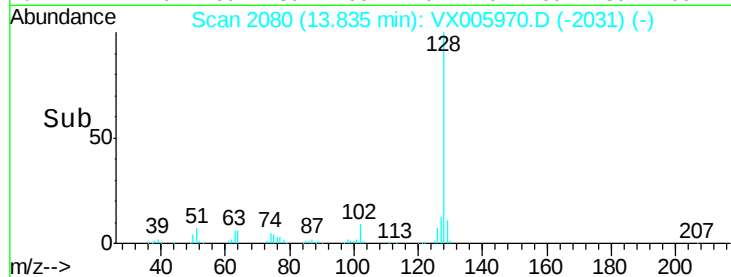
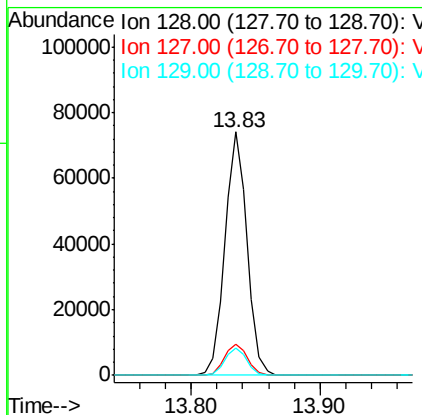
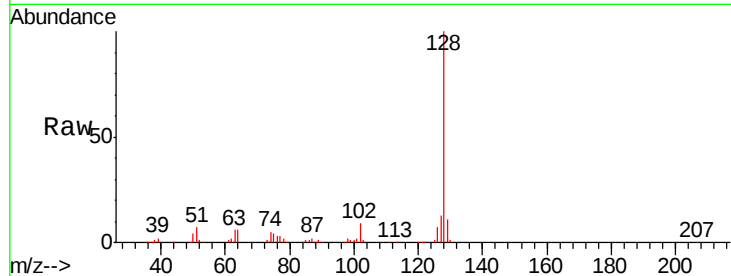
ClientSampleId :

VX1114WBS01

Tgt Ion:	128	Resp:	89283
Ion Ratio	Lower	Upper	
128	100		
127	13.6	10.4	15.6
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/15/2018 1:04:55 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.32 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.01 min

Lab File: VX005970.D

Acq: 14 Nov 2018 13:23

Tgt Ion:	180	Resp:	30843
Ion Ratio	Lower	Upper	
180	100		
182	95.4	48.0	144.2
145	30.4	15.1	45.3

