

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111218\
 Data File : VX005922.D
 Acq On : 13 Nov 2018 01:46
 Operator : JC/MD
 Sample : VX1112WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1112WBSD02

Manual Integrations
 APPROVED

MMDadoda
 11/13/2018 12:19:37 PM

Quant Time: Nov 13 06:39:57 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	5.67	168	109321	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	147246	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	133165	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	72806	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	63251	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
35) Dibromofluoromethane	5.50	113	48145	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	
50) Toluene-d8	8.71	98	178317	53.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.12%	
62) 4-Bromofluorobenzene	11.14	95	65408	54.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	19791	20.079	ug/l	100
3) Chloromethane	1.32	50	24479	18.924	ug/l	97
4) Vinyl Chloride	1.40	62	24990	19.244	ug/l	91
5) Bromomethane	1.64	94	14798	18.621	ug/l	98
6) Chloroethane	1.72	64	14987	19.342	ug/l	94
7) Trichlorofluoromethane	1.93	101	33660	19.528	ug/l	86
8) Diethyl Ether	2.19	74	13928	20.621	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	19138	19.305	ug/l	99
10) Methyl Iodide	2.51	142	22310	18.568	ug/l	99
11) Tert butyl alcohol	3.07	59	36424	101.171	ug/l	99
12) 1,1-Dichloroethene	2.37	96	18376	19.017	ug/l	91
13) Acrolein	2.29	56	23372	144.877	ug/l	100
14) Allyl chloride	2.73	41	42178	19.544	ug/l	99
15) Acrylonitrile	3.14	53	78056	104.617	ug/l	99
16) Acetone	2.45	43	69446	102.627	ug/l	100
17) Carbon Disulfide	2.57	76	52579	18.243	ug/l	100
18) Methyl Acetate	2.78	43	39405	20.865	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	68657	20.818	ug/l	99
20) Methylene Chloride	2.86	84	22054	19.841	ug/l	87
21) trans-1,2-Dichloroethene	3.17	96	19609	19.240	ug/l	97
22) Diisopropyl ether	3.88	45	72051	19.059	ug/l	# 88
23) Vinyl Acetate	3.82	43	307920	94.995	ug/l	99
24) 1,1-Dichloroethane	3.70	63	37891	18.786	ug/l	100
25) 2-Butanone	4.70	43	102919	96.741	ug/l	93
26) 2,2-Dichloropropane	4.57	77	22543	15.236	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	20842	18.520	ug/l	97
28) Bromochloromethane	5.02	49	19315	21.427	ug/l	100
29) Tetrahydrofuran	5.16	42	65268	95.550	ug/l	99
30) Chloroform	5.21	83	36443	18.728	ug/l	90
31) Cyclohexane	5.59	56	32766	18.715	ug/l	94
32) 1,1,1-Trichloroethane	5.50	97	31854	19.626	ug/l	98
36) 1,1-Dichloropropene	5.80	75	26269	18.506	ug/l	98
37) Ethyl Acetate	4.86	43	36661	19.640	ug/l	99
38) Carbon Tetrachloride	5.79	117	27607	19.427	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	29194	20.292	ug/l	94
40) Benzene	6.15	78	83516	20.182	ug/l	100
41) Methacrylonitrile	5.05	41	21183	21.002	ug/l	97
42) 1,2-Dichloroethane	6.20	62	29641	19.998	ug/l	99
43) Isopropyl Acetate	6.46	43	51217	18.936	ug/l	99
44) Trichloroethene	7.21	130	21693	20.642	ug/l	86
45) 1,2-Dichloropropane	7.52	63	20588	20.498	ug/l	99
46) Dibromomethane	7.66	93	13358	21.194	ug/l	99
47) Bromodichloromethane	7.90	83	25724	21.596	ug/l	98
48) Methyl methacrylate	7.77	41	26182	21.558	ug/l	98
49) 1,4-Dioxane	7.75	88	11323	432.656	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	180958	106.154	ug/l	100
52) Toluene	8.79	92	47708	20.628	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	26626	18.942	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	29554	20.628	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	20114	19.514	ug/l	97
56) Ethyl methacrylate	9.18	69	29614	19.202	ug/l	100
57) 1,3-Dichloropropane	9.37	76	33535	19.360	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	84069	105.003	ug/l	100
59) 2-Hexanone	9.49	43	141286	94.028	ug/l	99
60) Dibromochloromethane	9.59	129	20802	18.674	ug/l	98
61) 1,2-Dibromoethane	9.67	107	20749	18.205	ug/l	98
64) Tetrachloroethene	9.34	164	23428	20.664	ug/l	98
65) Chlorobenzene	10.14	112	53754	20.150	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	19444	20.965	ug/l	99
67) Ethyl Benzene	10.25	91	89937	21.024	ug/l	100
68) m/p-Xylenes	10.36	106	69897	42.837	ug/l	100
69) o-Xylene	10.70	106	33342	22.788	ug/l	99
70) Styrene	10.71	104	55974	23.191	ug/l	99
71) Bromoform	10.86	173	16666	21.436	ug/l #	99
73) Isopropylbenzene	11.02	105	92065	21.867	ug/l	100
74) N-amyl acetate	10.90	43	44116	19.458	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	31736	20.536	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	31191m	21.040	ug/l	
77) Bromobenzene	11.26	156	24924	21.003	ug/l	99
78) n-propylbenzene	11.36	91	106391	21.441	ug/l	99
79) 2-Chlorotoluene	11.42	91	63784	21.267	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	77877	21.766	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	8618	18.528	ug/l	96
82) 4-Chlorotoluene	11.51	91	75691	21.414	ug/l	99
83) tert-Butylbenzene	11.77	119	75532	20.867	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	81263	20.510	ug/l	99
85) sec-Butylbenzene	11.94	105	93200	21.056	ug/l	99
86) p-Isopropyltoluene	12.07	119	83740	21.358	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	45338	19.907	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	46349	19.880	ug/l	99
89) n-Butylbenzene	12.39	91	70933	19.521	ug/l	99
90) Hexachloroethane	12.60	117	13099	20.011	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	45520	19.952	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	7930	21.028	ug/l	99

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ClientSampleId :
VX1112WBSD02

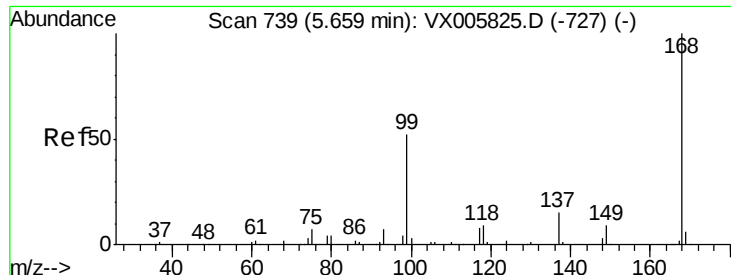
Manual Integrations
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MMDadoda
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	33343	20.760	ug/l	100
94) Hexachlorobutadiene	13.78	225	16538	19.602	ug/l	98
95) Naphthalene	13.83	128	100301	19.875	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	34296	20.960	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005922.D

Acq: 13 Nov 2018 01:46

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBSD02

Tot Ion:168 Resp: 109321

Ion Ratio Lower Upper

168 100

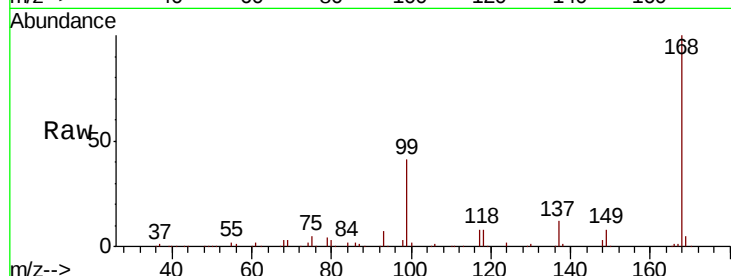
99 40.5 40.7 61.1#

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

5.67

50000

40000

30000

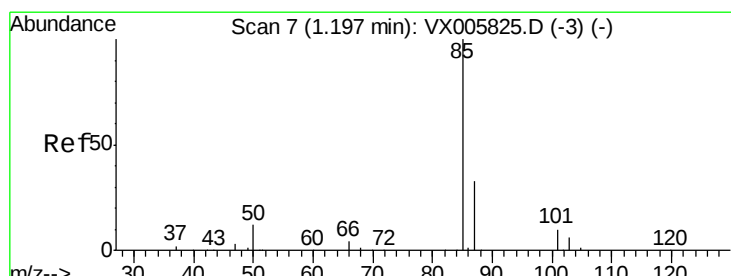
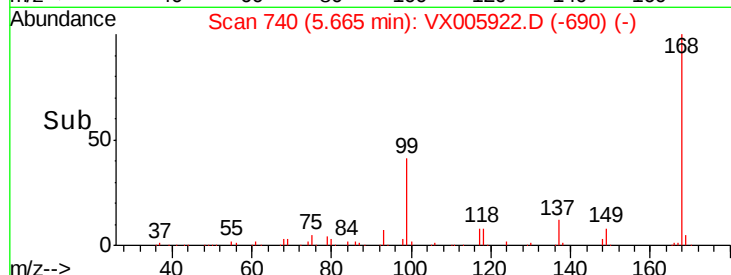
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 20.079 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005922.D

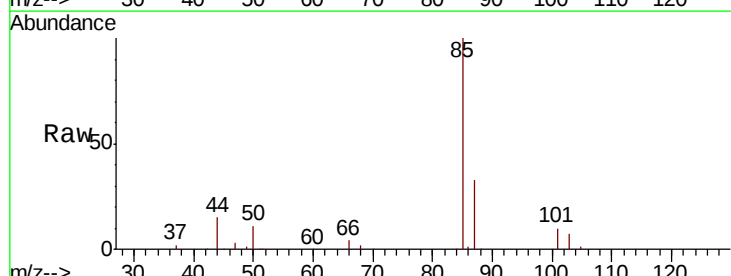
Acq: 13 Nov 2018 01:46

Tgt Ion: 85 Resp: 19791

Ion Ratio Lower Upper

85 100

87 32.6 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

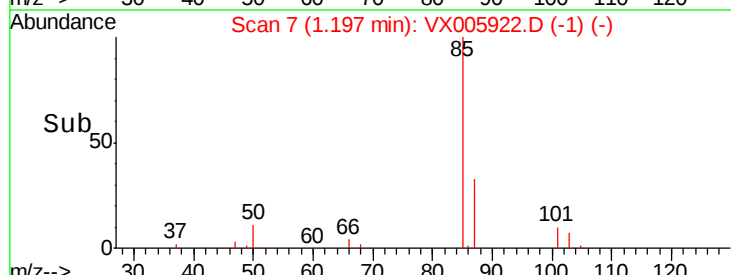
10000

5000

0

Time-->

1.15 1.20 1.25





#3

Chloromethane

Concen: 18.924 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005922.D

Acq: 13 Nov 2018 01:46

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBSD02

Tot Ion: 50 Resp: 24479

Ion Ratio Lower Upper

50 100

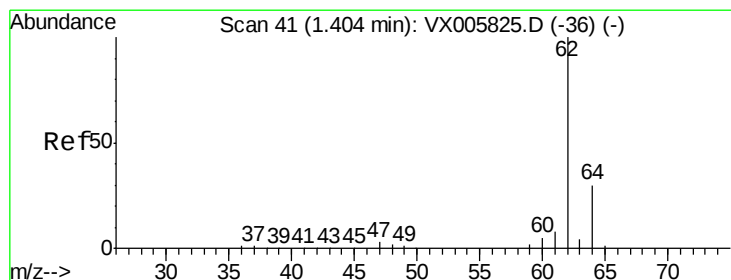
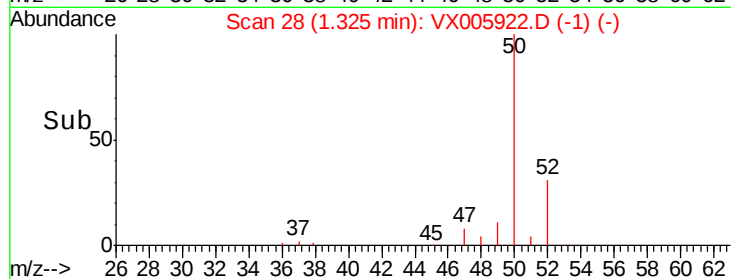
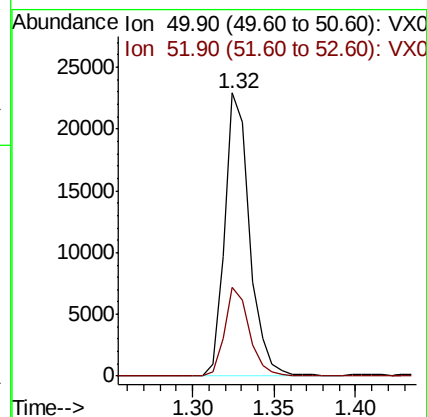
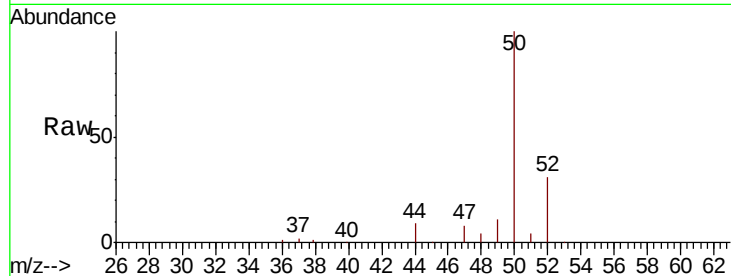
52 31.3 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.244 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005922.D

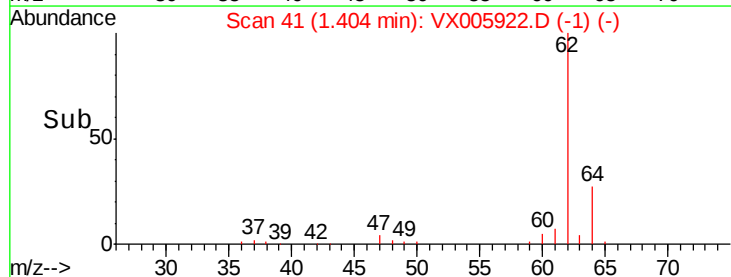
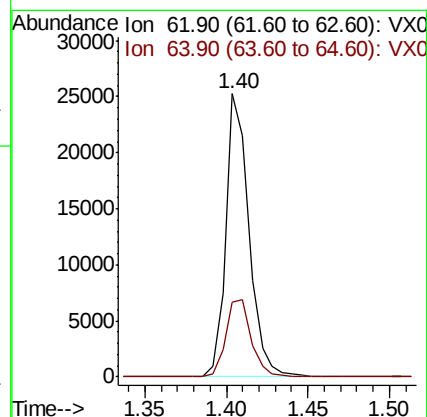
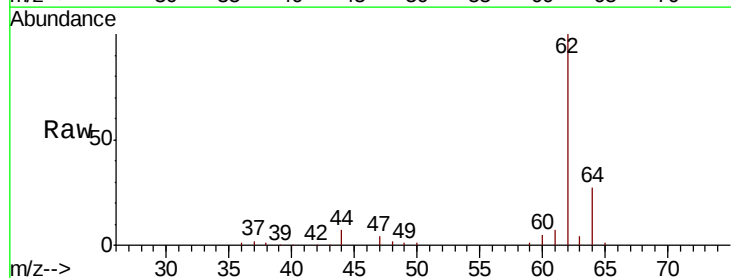
Acq: 13 Nov 2018 01:46

Tgt Ion: 62 Resp: 24990

Ion Ratio Lower Upper

62 100

64 26.6 25.3 37.9





#5

Bromomethane

Concen: 18.621 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005922.D

Acq: 13 Nov 2018 01:46

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBSD02

Tot Ion: 94 Resp: 14798

Ion Ratio Lower Upper

94 100

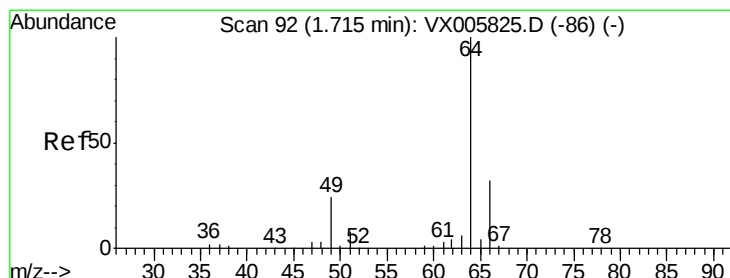
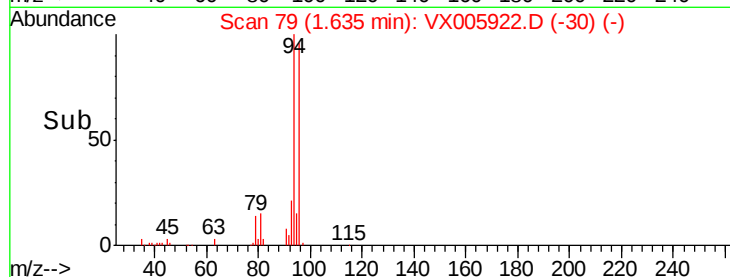
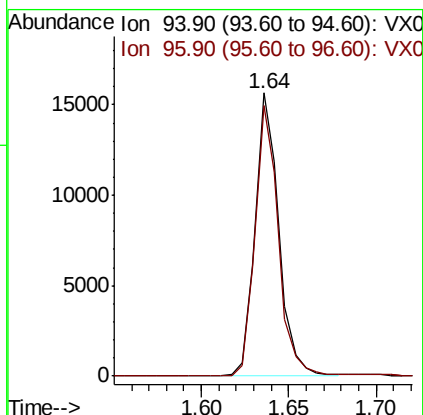
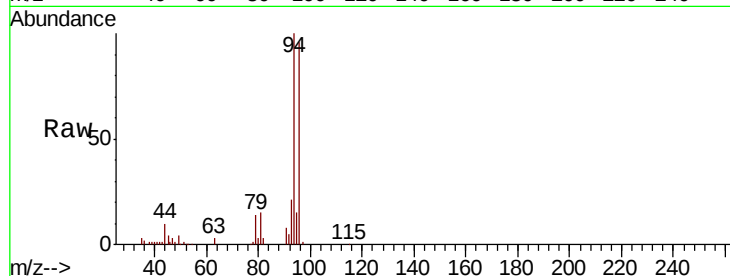
96 95.6 75.2 112.8

Manual Integrations

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#6

Chloroethane

Concen: 19.342 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005922.D

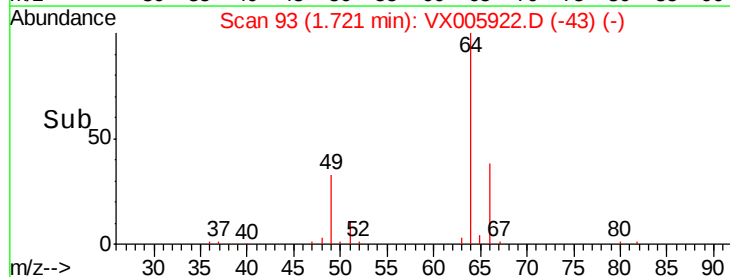
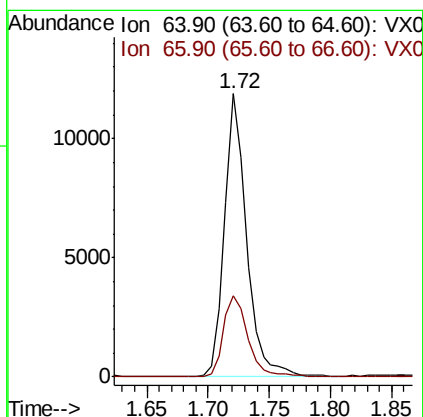
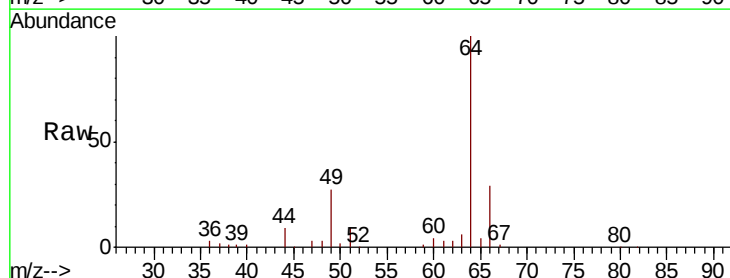
Acq: 13 Nov 2018 01:46

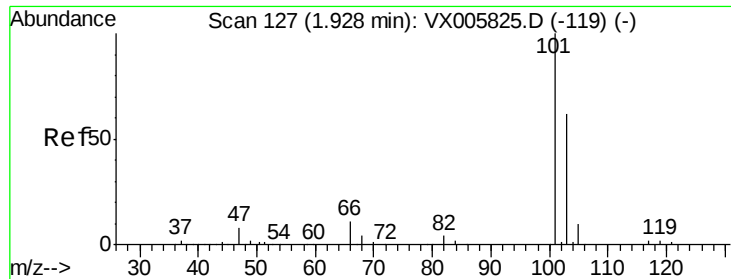
Tgt Ion: 64 Resp: 14987

Ion Ratio Lower Upper

64 100

66 28.8 25.8 38.6





#7

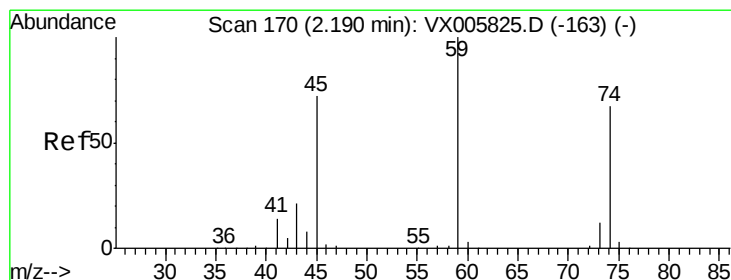
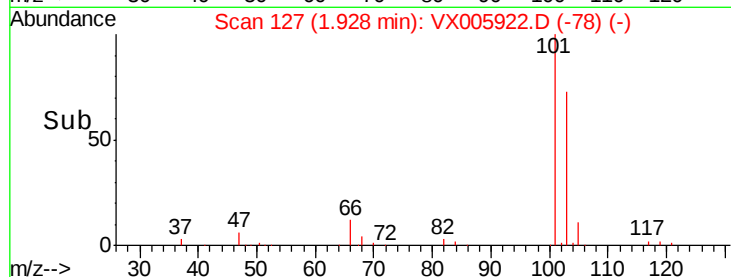
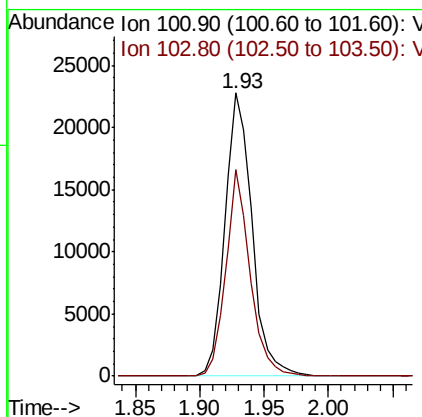
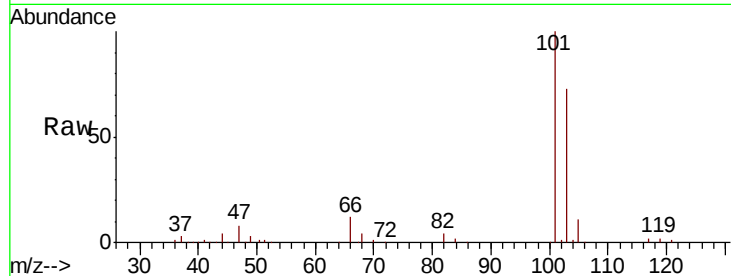
Trichlorofluoromethane
Concen: 19.528 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX005922.D
Acq: 13 Nov 2018 01:46

Instrument :
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ClientSampleId :
VX1112WBSD02

Tot Ion:101 Resp: 33660
Ion Ratio Lower Upper
101 100
103 73.2 50.0 75.0

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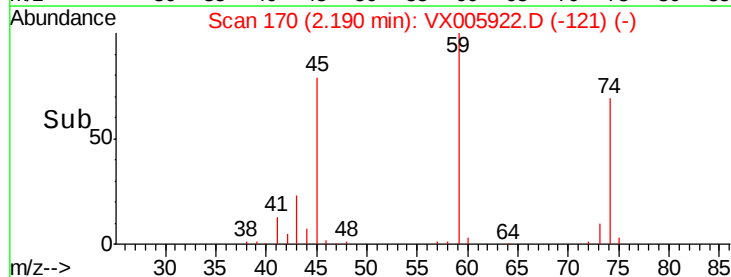
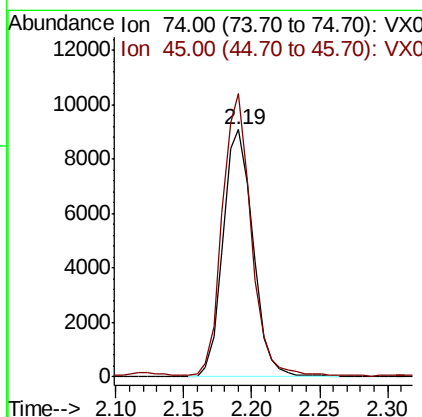
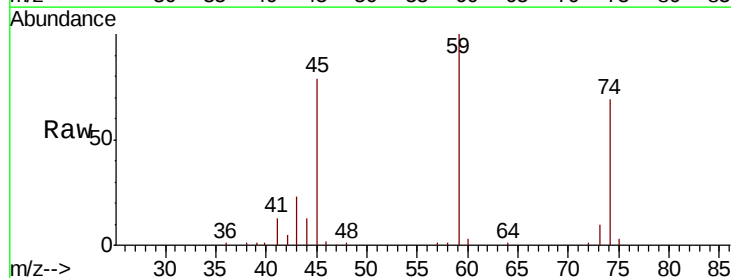
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#8

Diethyl Ether
Concen: 20.621 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX005922.D
Acq: 13 Nov 2018 01:46

Tgt Ion: 74 Resp: 13928
Ion Ratio Lower Upper
74 100
45 111.7 54.1 162.3





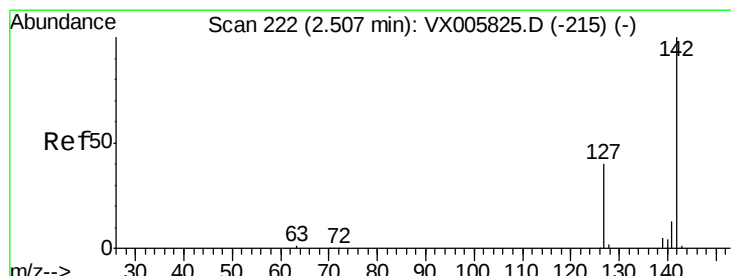
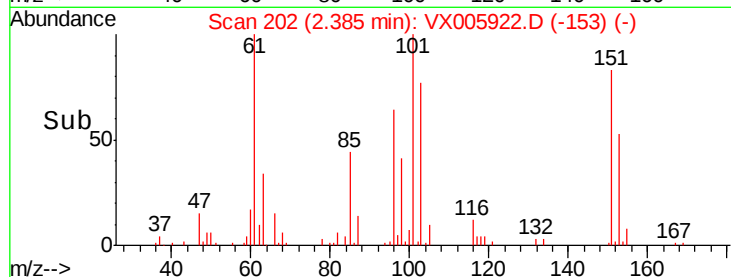
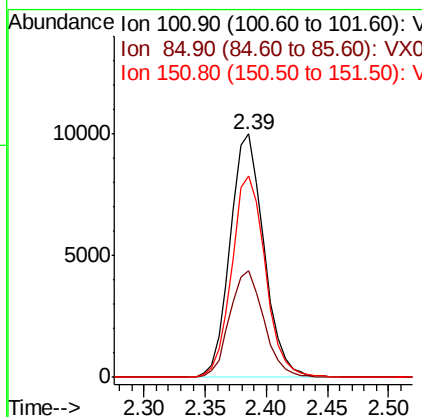
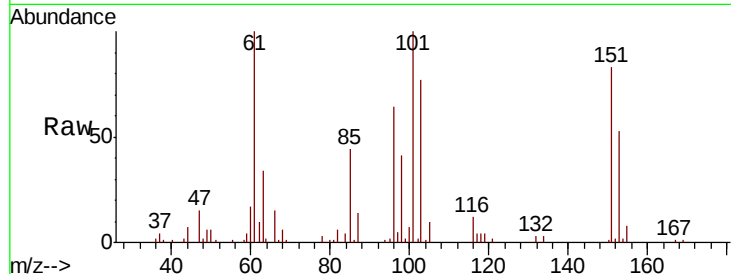
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.305 ug/l
 RT: 2.39 min Scan# 202
 Delta R.T. -0.00 min
 Lab File: VX005922.D
 Acq: 13 Nov 2018 01:46

Instrument :
 MSVOA_X
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 VX1112WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
101	100	19138		
85	44.4	35.0	52.4	
151	82.4	66.2	99.2	

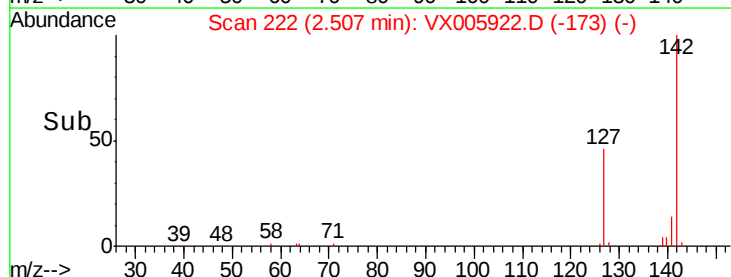
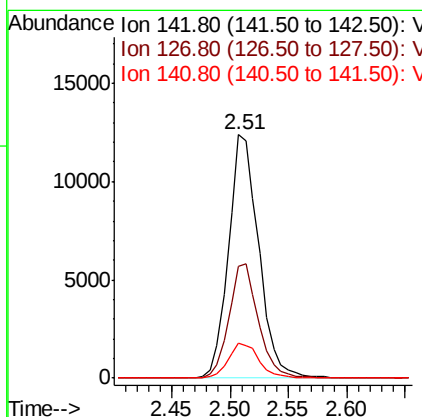
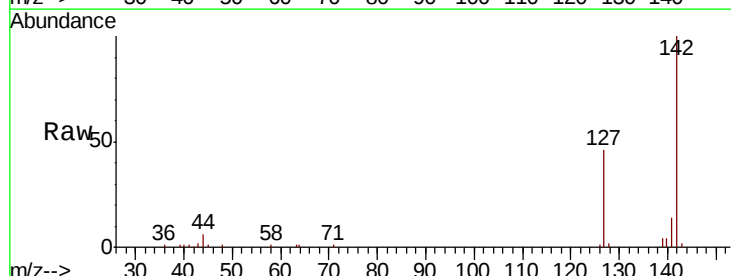
Manual Integrations
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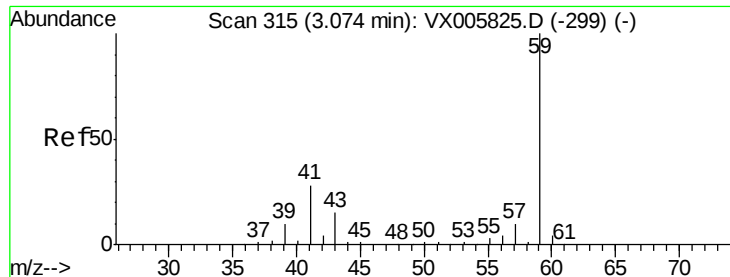
MMDadoda
 11/13/2018 12:19:37 PM



#10
 Methyl Iodide
 Concen: 18.568 ug/l
 RT: 2.51 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VX005922.D
 Acq: 13 Nov 2018 01:46

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	22310		
127	45.5	36.0	54.0	
141	14.5	11.7	17.5	





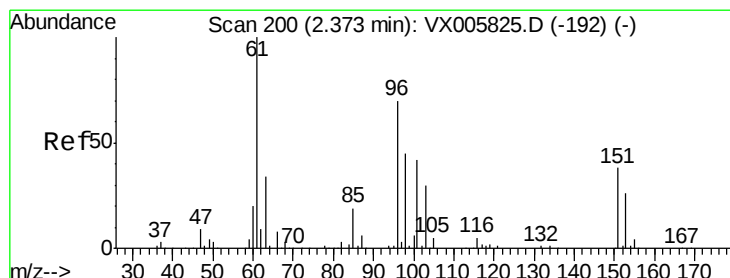
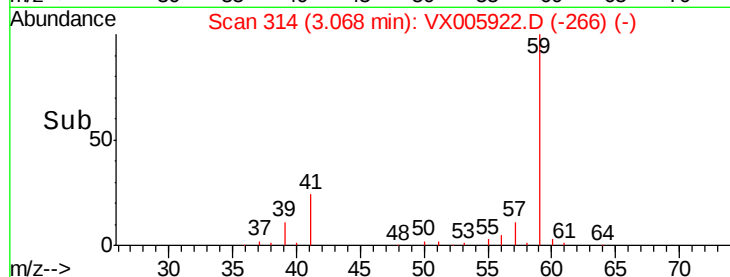
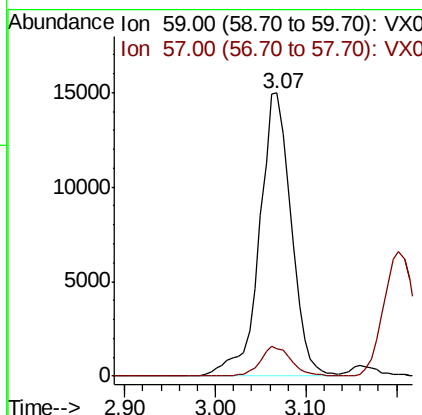
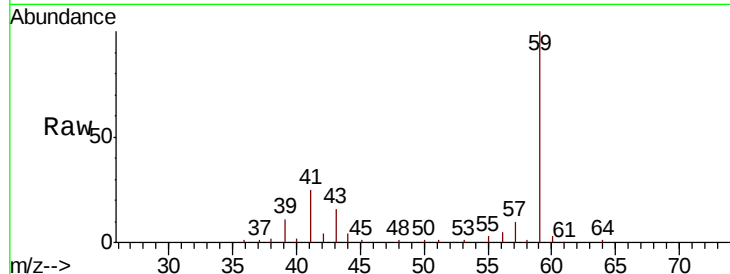
#11
Tert butyl alcohol
Concen: 101.171 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX005922.D
Acq: 13 Nov 2018 01:46

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.5	12.7

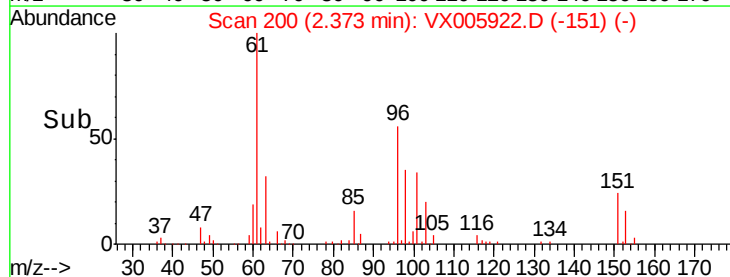
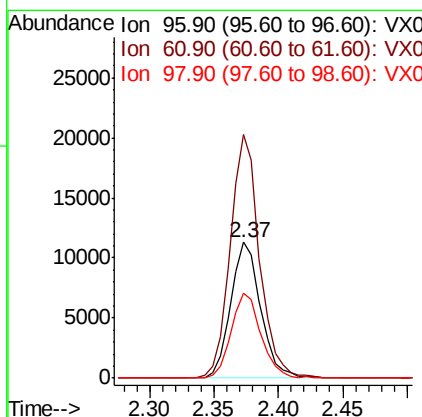
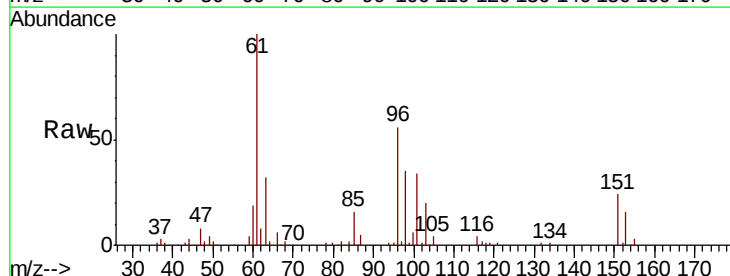
Manual Integrations
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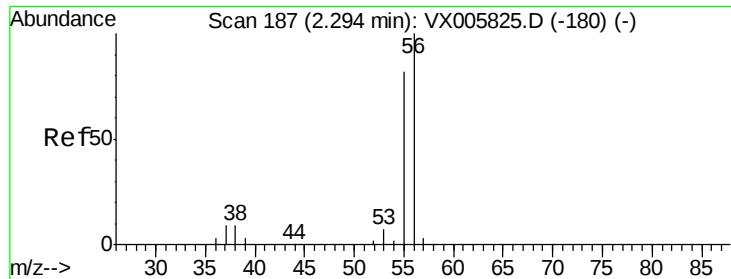
MMDadoda
11/13/2018 12:19:37 PM



#12
1,1-Dichloroethene
Concen: 19.017 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX005922.D
Acq: 13 Nov 2018 01:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	179.0	131.8	197.8
98	62.8	53.4	80.2





#13

Acrolein

Concen: 144.877 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005922.D

Acq: 13 Nov 2018 01:46

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBSD02

Tot Ion: 56 Resp: 23372

Ion Ratio Lower Upper

56 100

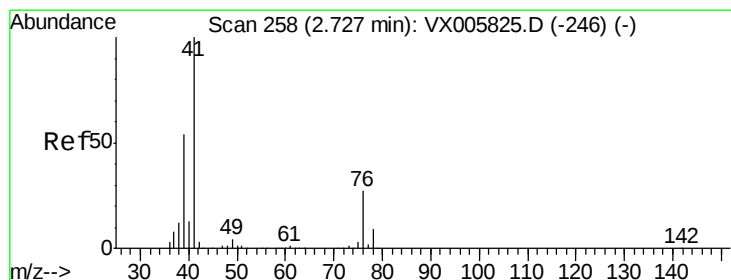
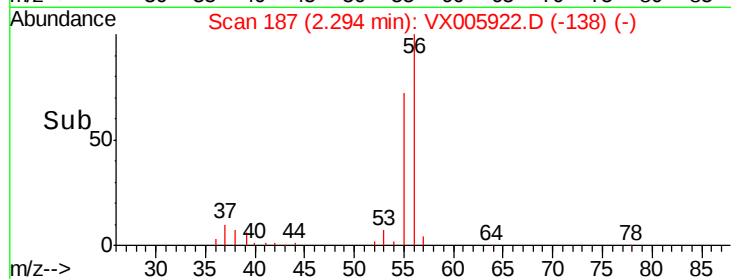
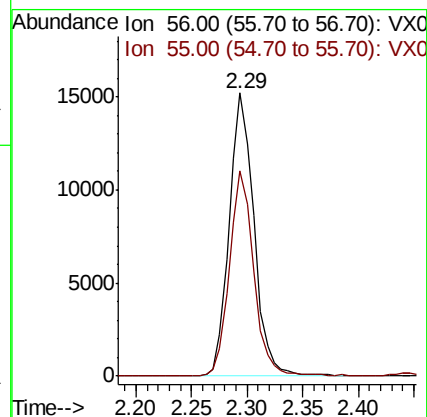
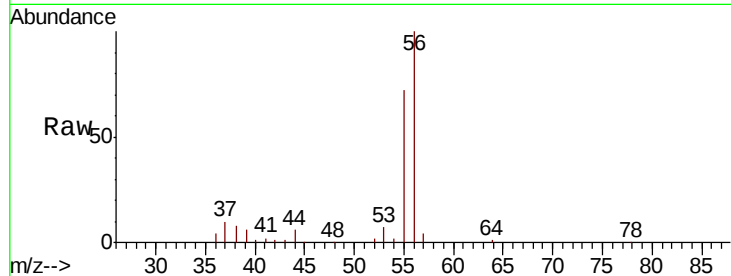
55 71.4 57.3 85.9

Manual Integrations

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#14

Allyl chloride

Concen: 19.544 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX005922.D

Acq: 13 Nov 2018 01:46

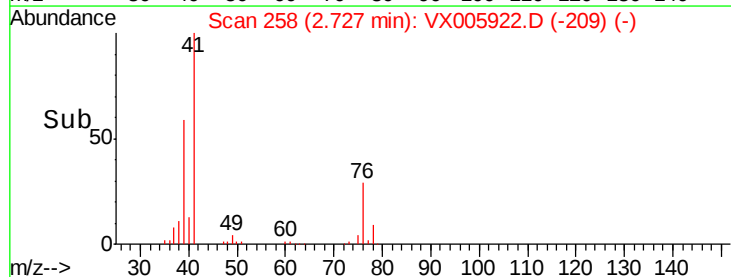
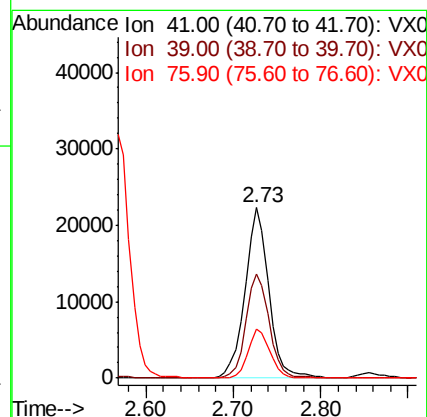
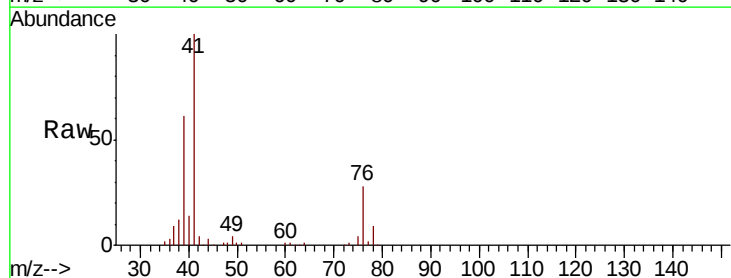
Tgt Ion: 41 Resp: 42178

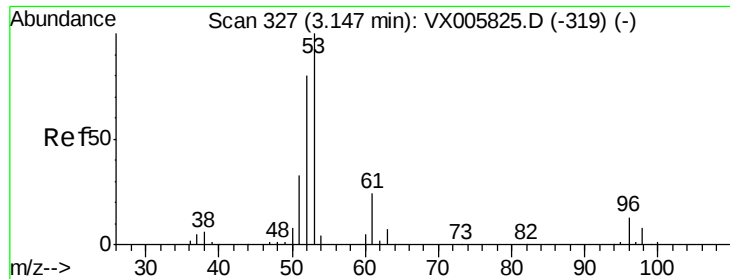
Ion Ratio Lower Upper

41 100

39 60.1 48.2 72.4

76 26.3 21.9 32.9





#15

Acrylonitrile

Concen: 104.617 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX005922.D

Acq: 13 Nov 2018 01:46

Instrument :

MSVOA_X

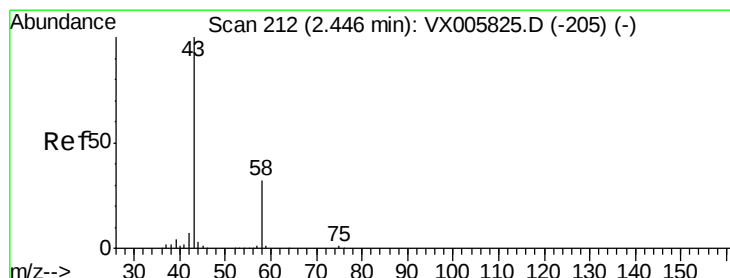
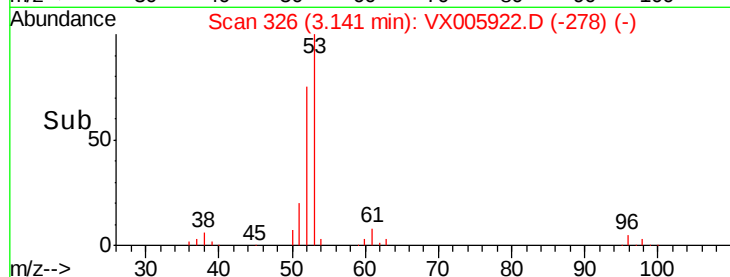
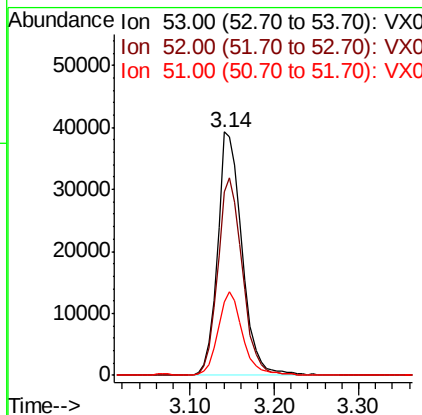
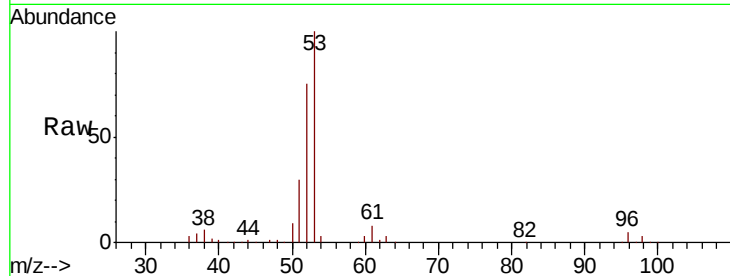
ClientSampleId :

VX1112WBSD02

Tot Ion:	53	Resp:	78056
Ion Ratio	Lower	Upper	
53	100		
52	82.4	66.6	99.8
51	34.8	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 102.627 ug/l

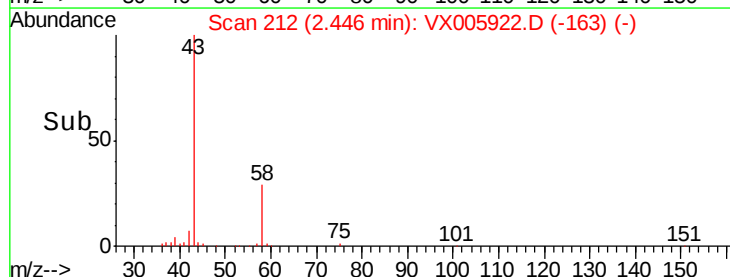
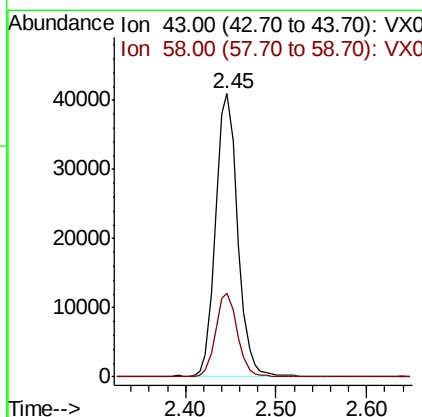
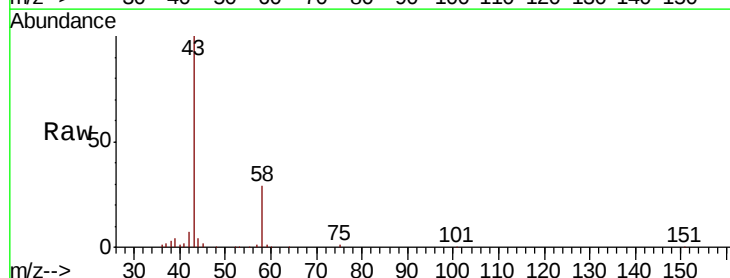
RT: 2.45 min Scan# 212

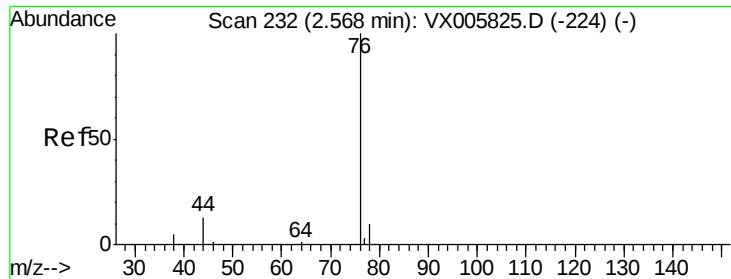
Delta R.T. -0.00 min

Lab File: VX005922.D

Acq: 13 Nov 2018 01:46

Tgt Ion:	43	Resp:	69446
Ion Ratio	Lower	Upper	
43	100		
58	29.4	23.8	35.6





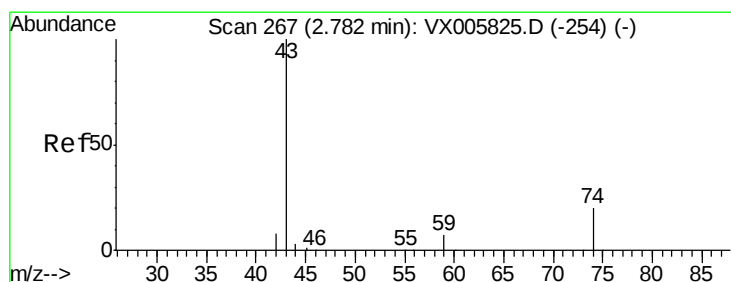
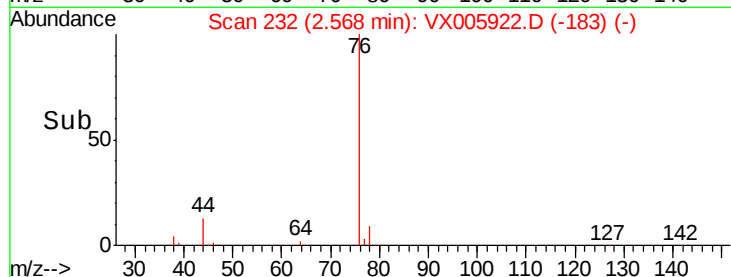
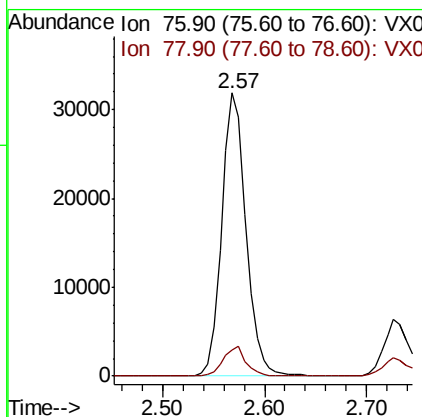
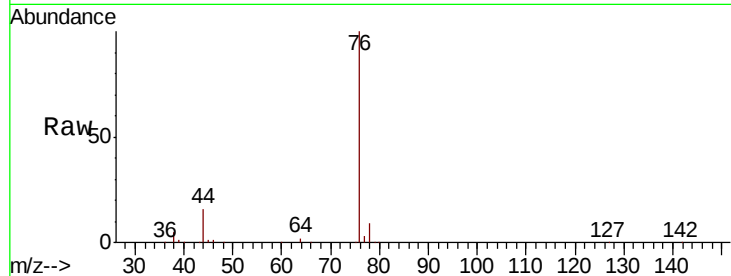
#17
Carbon Disulfide
Concen: 18.243 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX005922.D
Acq: 13 Nov 2018 01:46

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

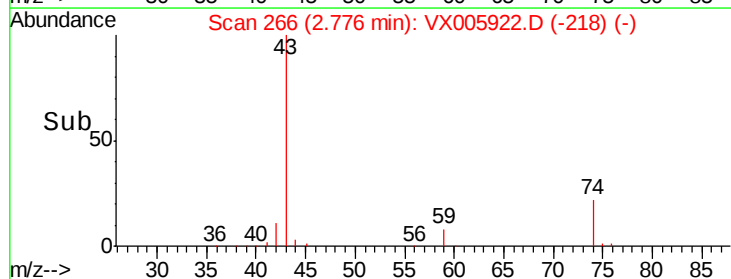
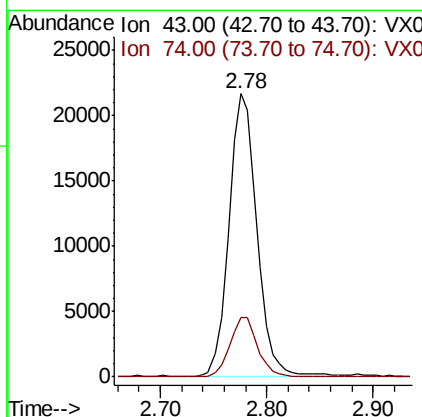
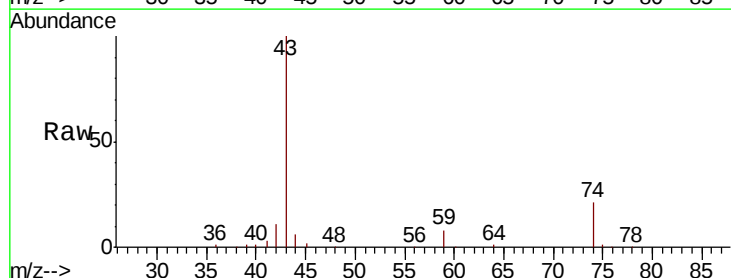
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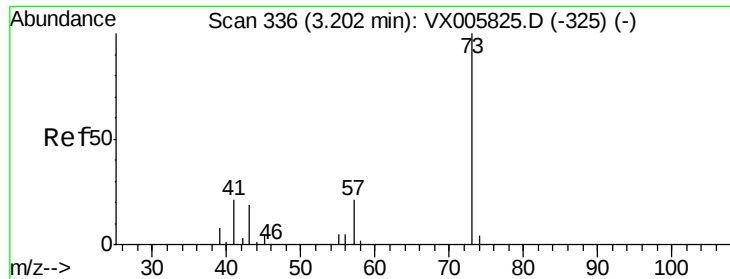
MMDadoda
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#18
Methyl Acetate
Concen: 20.865 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005922.D
Acq: 13 Nov 2018 01:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.1	16.8	25.2





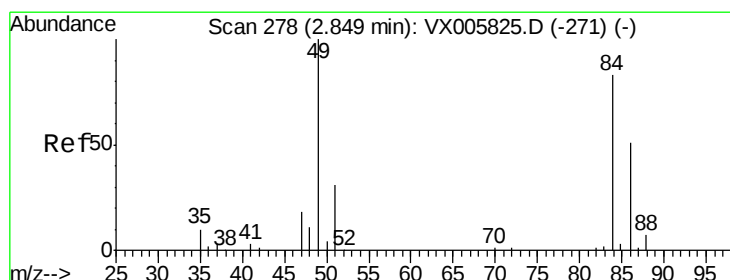
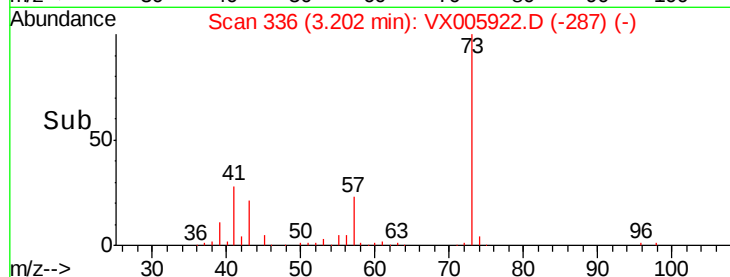
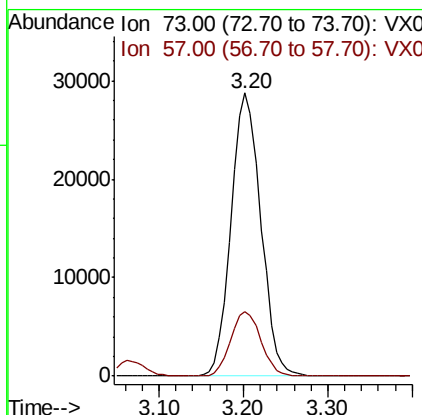
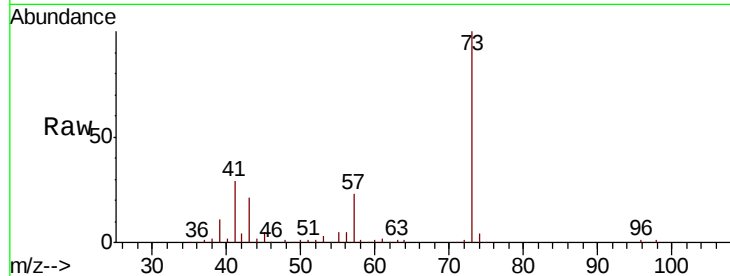
#19
Methyl tert-butyl Ether
Concen: 20.818 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX005922.D
Acq: 13 Nov 2018 01:46

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBSD02

Tot Ion: 73 Resp: 68657
Ion Ratio Lower Upper
73 100
57 23.0 18.8 28.2

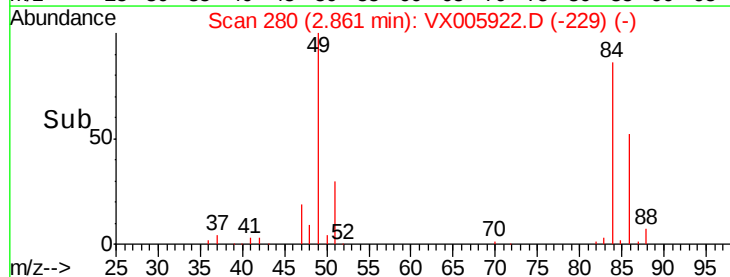
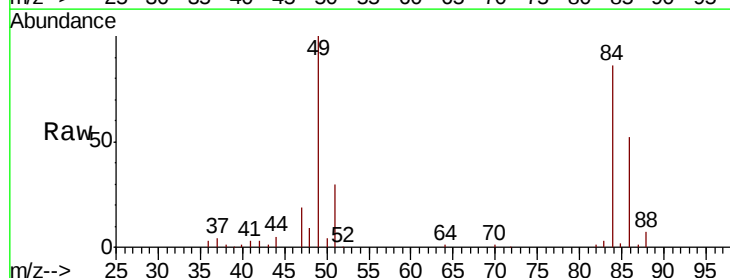
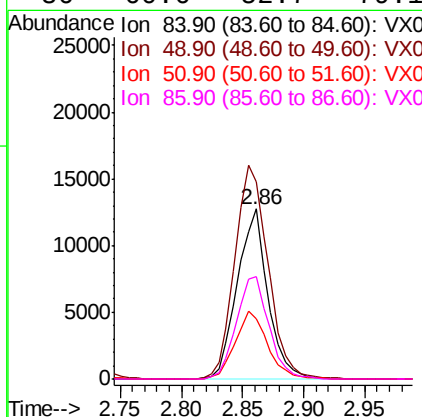
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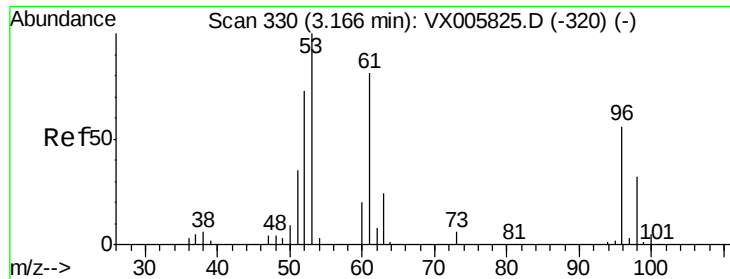
MMDadoda
11/13/2018 12:19:37 PM



#20
Methylene Chloride
Concen: 19.841 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005922.D
Acq: 13 Nov 2018 01:46

Tgt Ion: 84 Resp: 22054
Ion Ratio Lower Upper
84 100
49 116.4 109.5 164.3
51 35.2 33.3 49.9
86 60.6 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 19.240 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX005922.D

Acq: 13 Nov 2018 01:46

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBSD02

Tot Ion: 96 Resp: 19609

Ion Ratio Lower Upper

96 100

61 150.5 115.6 173.4

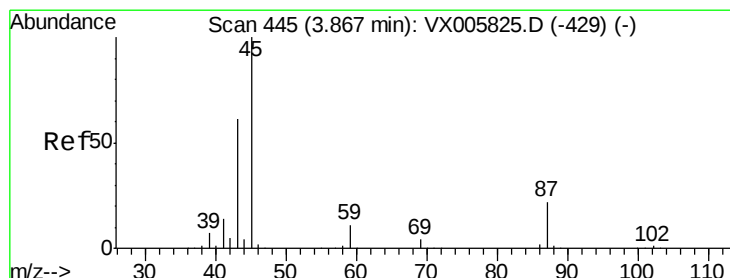
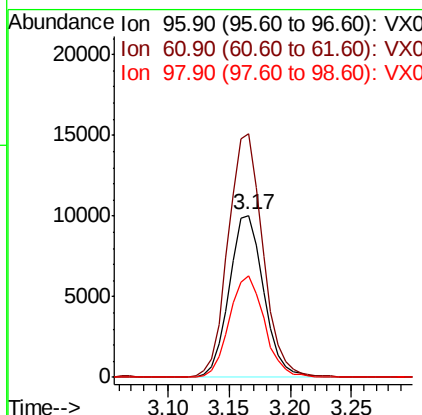
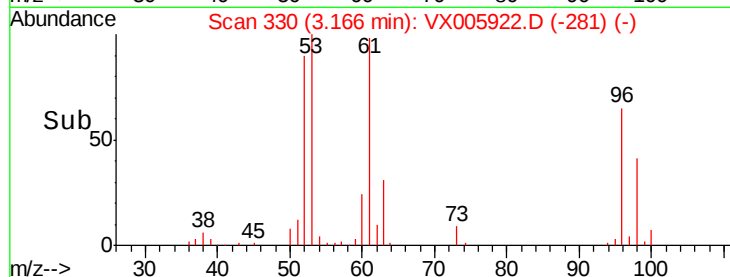
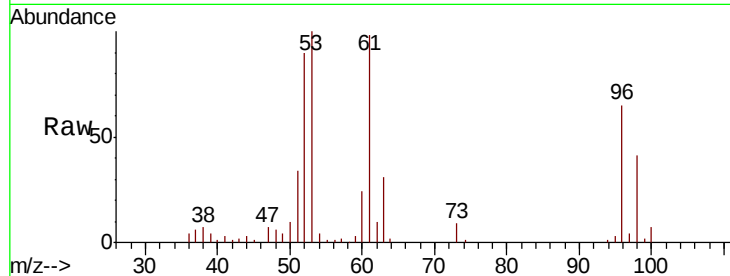
98 62.7 50.2 75.2

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#22

Diisopropyl ether

Concen: 19.059 ug/l

RT: 3.88 min Scan# 447

Delta R.T. 0.01 min

Lab File: VX005922.D

Acq: 13 Nov 2018 01:46

Tgt Ion: 45 Resp: 72051

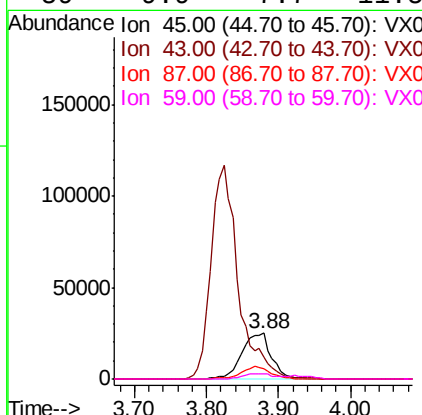
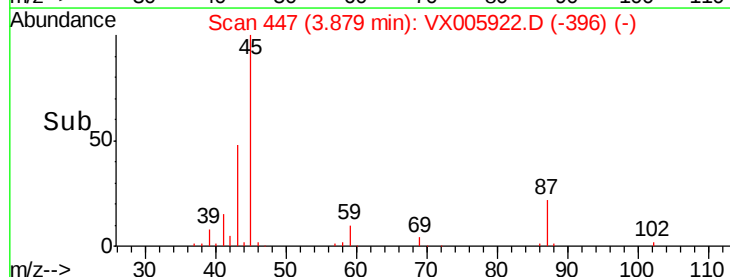
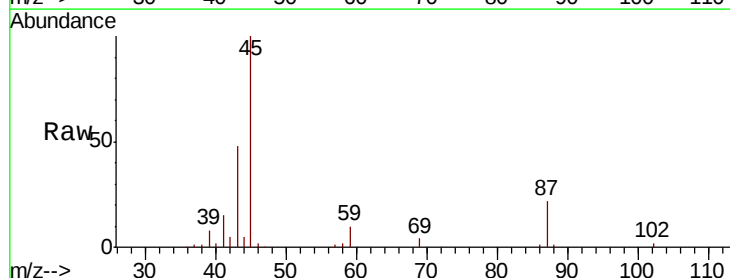
Ion Ratio Lower Upper

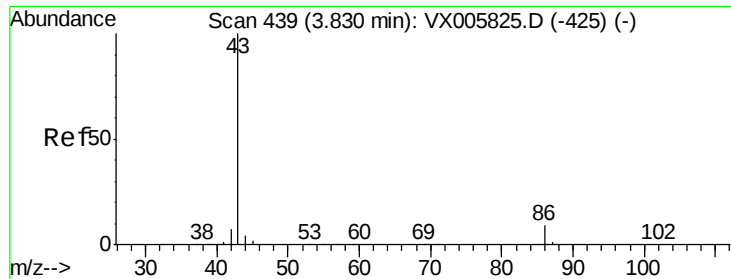
45 100

43 47.4 47.4 71.2#

87 21.9 15.9 23.9

59 9.9 7.7 11.5





#23

Vinyl Acetate

Concen: 94.995 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.01 min

Lab File: VX005922.D

Acq: 13 Nov 2018 01:46

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBSD02

Tot Ion: 43 Resp: 307920

Ion Ratio Lower Upper

43 100

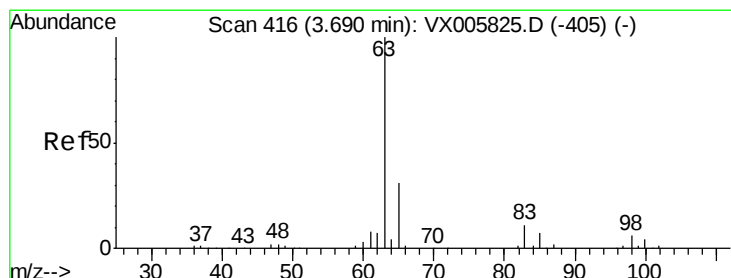
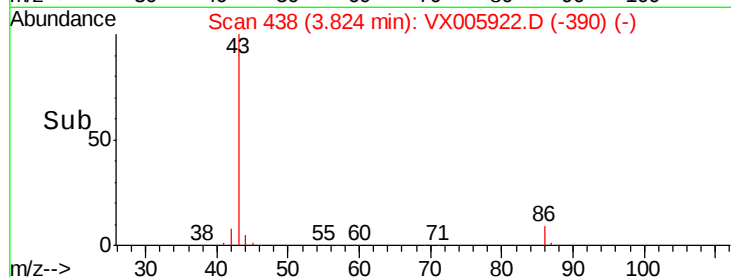
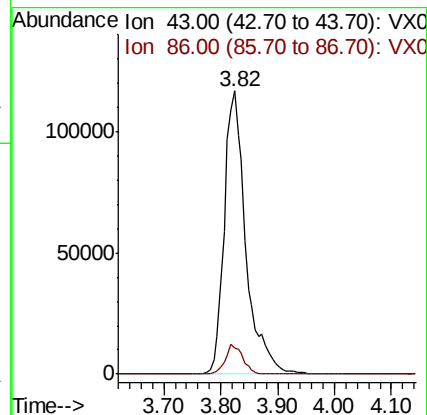
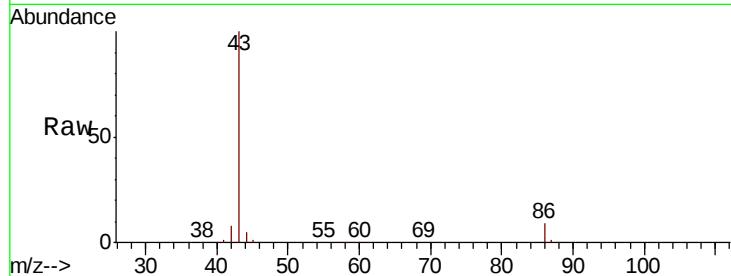
86 9.1 7.4 11.2

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 18.786 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005922.D

Acq: 13 Nov 2018 01:46

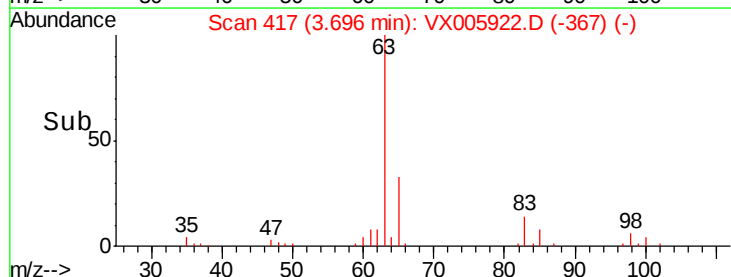
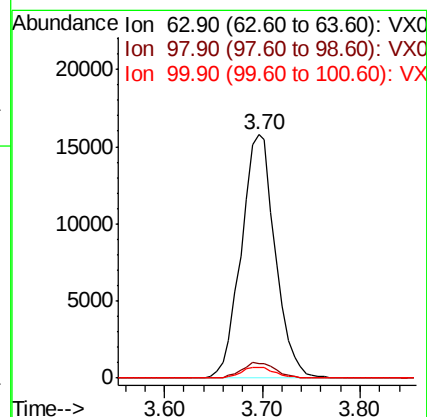
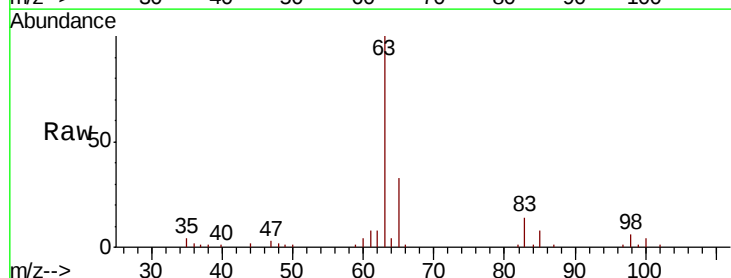
Tgt Ion: 63 Resp: 37891

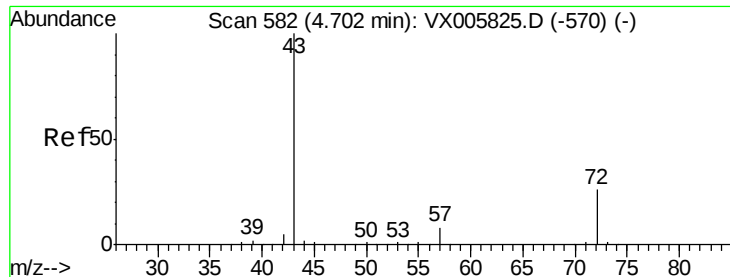
Ion Ratio Lower Upper

63 100

98 6.2 3.2 9.6

100 4.2 2.1 6.2





#25

2-Butanone

Concen: 96.741 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX005922.D

Acq: 13 Nov 2018 01:46

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBSD02

Tot Ion: 43 Resp: 102919

Ion Ratio Lower Upper

43 100

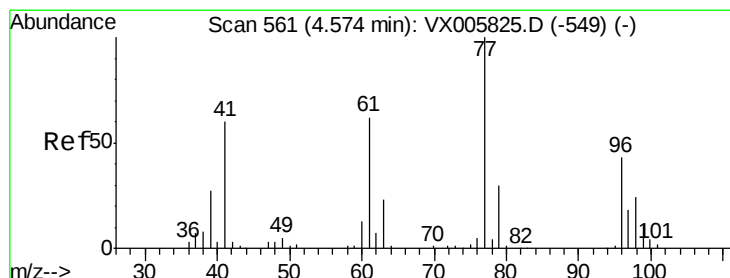
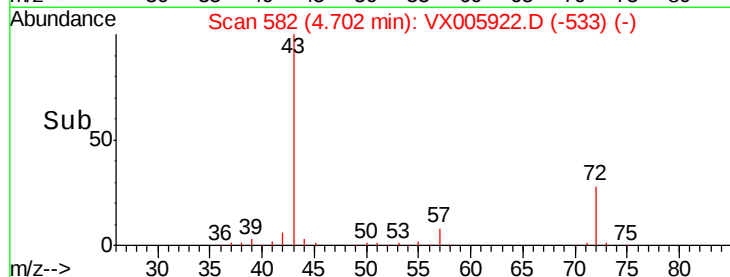
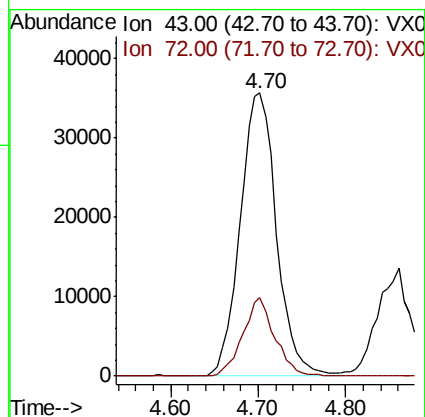
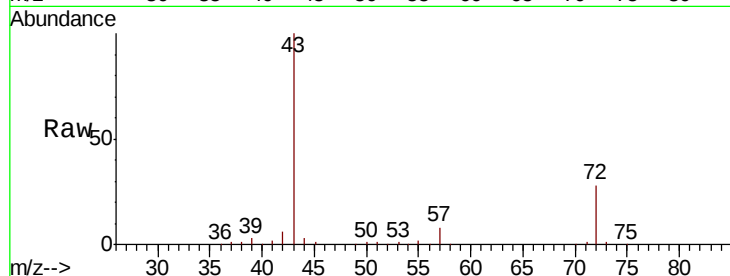
72 27.6 19.2 28.8

Manual Integrations

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MMDadoda

11/13/2018 12:19:37 PM



#26

2,2-Dichloropropane

Concen: 15.236 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.00 min

Lab File: VX005922.D

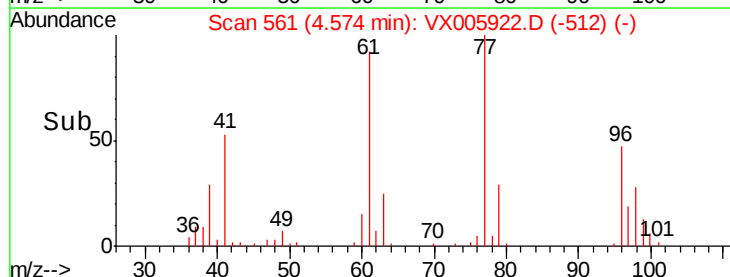
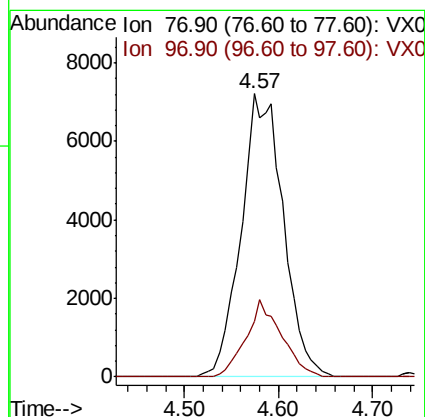
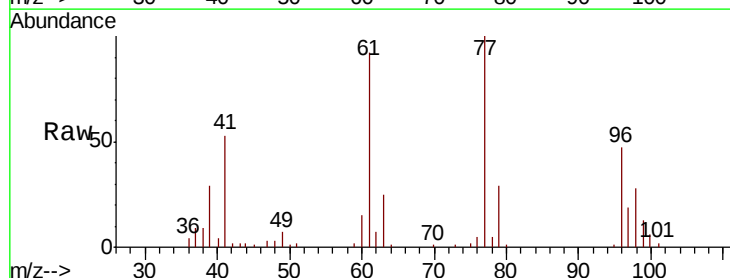
Acq: 13 Nov 2018 01:46

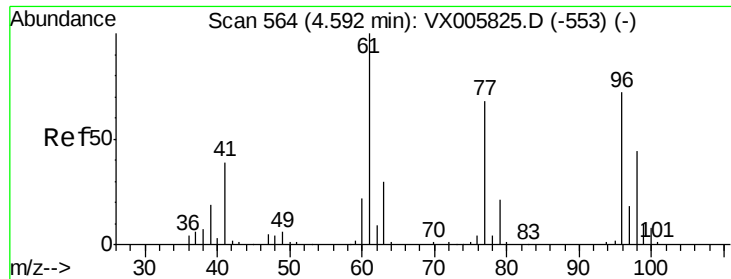
Tgt Ion: 77 Resp: 22543

Ion Ratio Lower Upper

77 100

97 23.0 11.5 34.5





#27

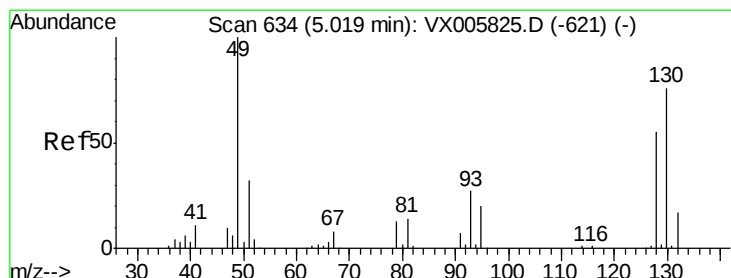
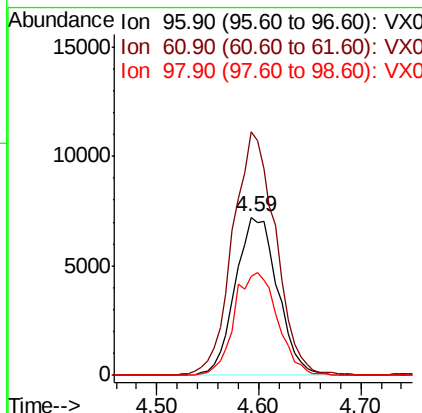
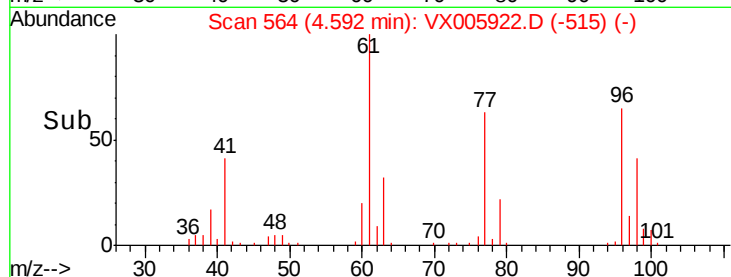
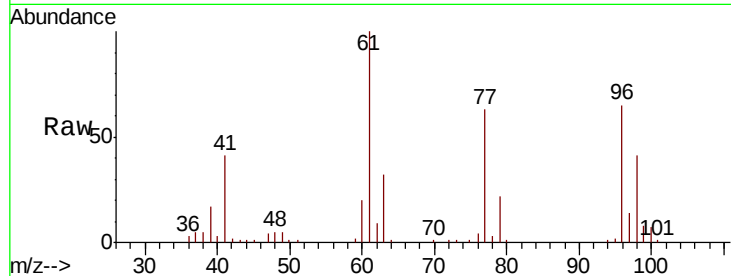
cis-1,2-Dichloroethene
Concen: 18.520 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VX005922.D
Acq: 13 Nov 2018 01:46

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.8	0.0	304.6
98	66.1	0.0	127.4

Manual Integrations
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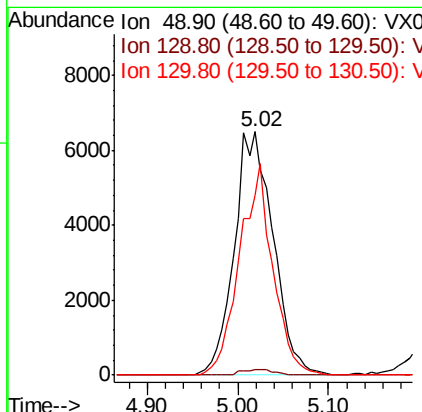
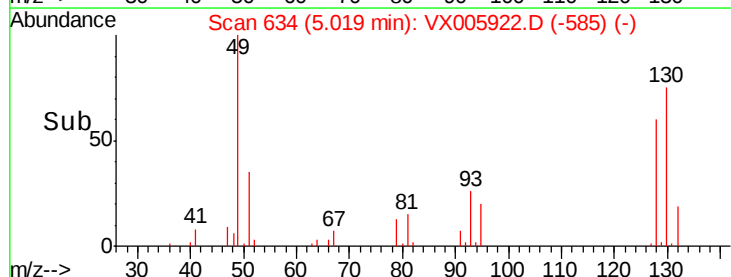
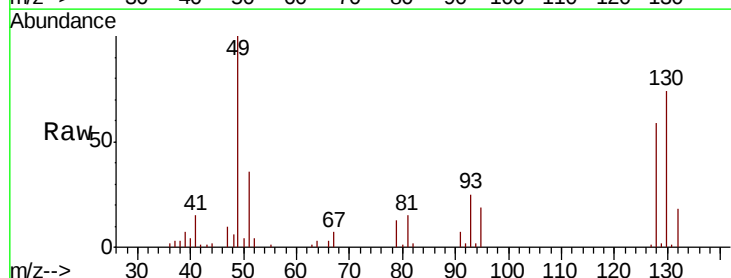
MMDadoda
11/13/2018 12:19:37 PM



#28

Bromochloromethane
Concen: 21.427 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX005922.D
Acq: 13 Nov 2018 01:46

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	74.0	58.9	88.3





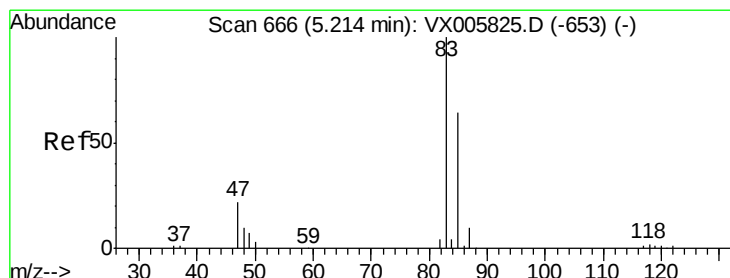
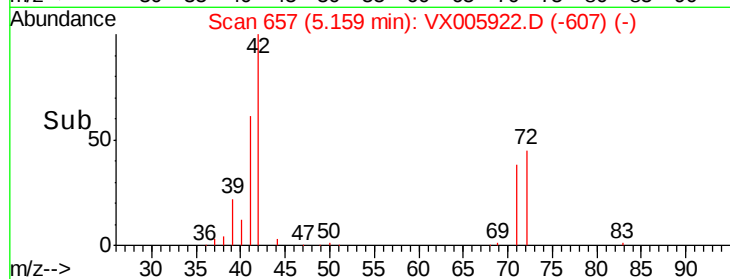
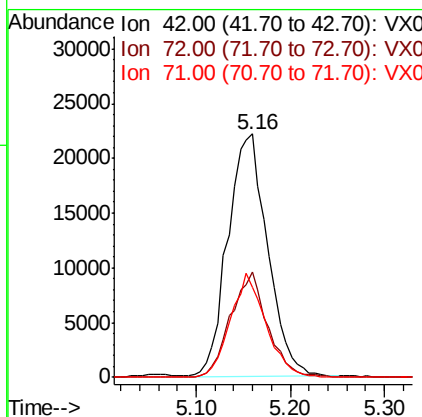
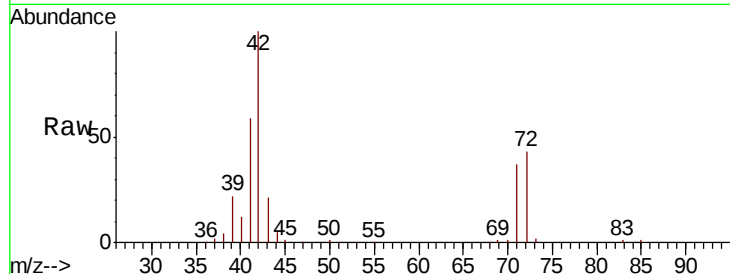
#29
Tetrahydrofuran
Concen: 95.550 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX005922.D
Acq: 13 Nov 2018 01:46

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.4	32.0	48.0
71	38.2	29.8	44.8

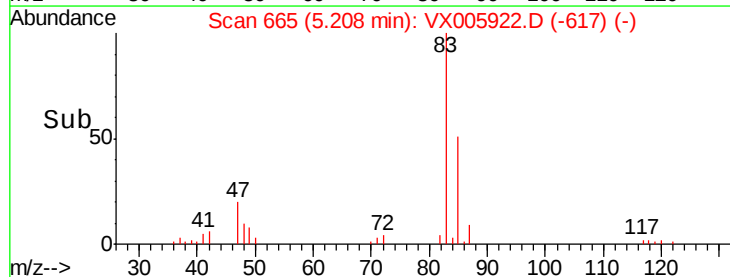
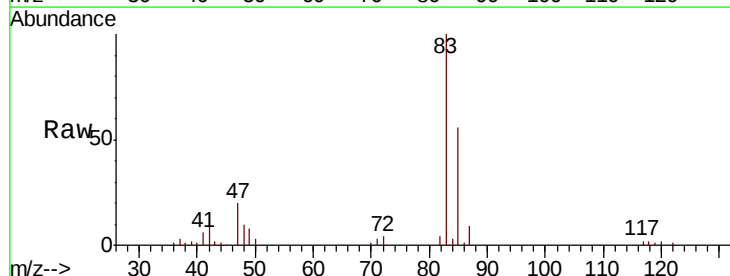
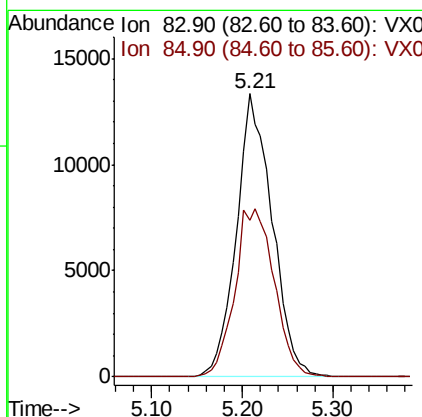
Manual Integrations
APPROVED

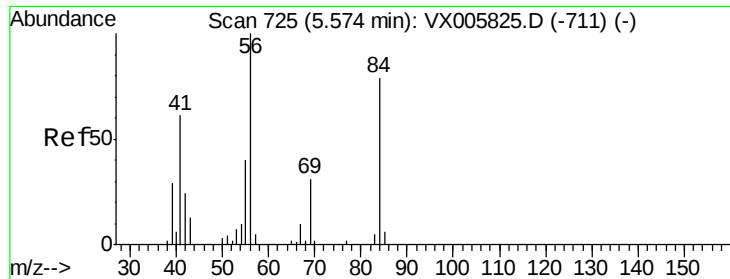
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11/13/2018 12:19:37 PM



#30
Chloroform
Concen: 18.728 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX005922.D
Acq: 13 Nov 2018 01:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	55.5	50.6	76.0





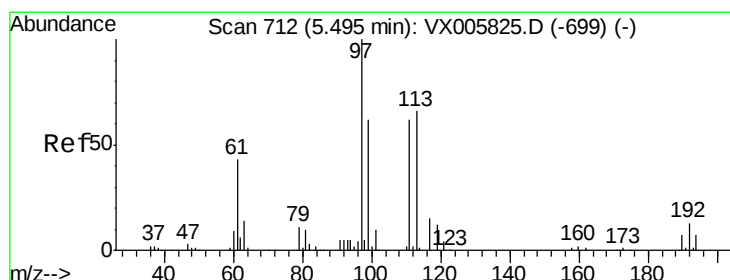
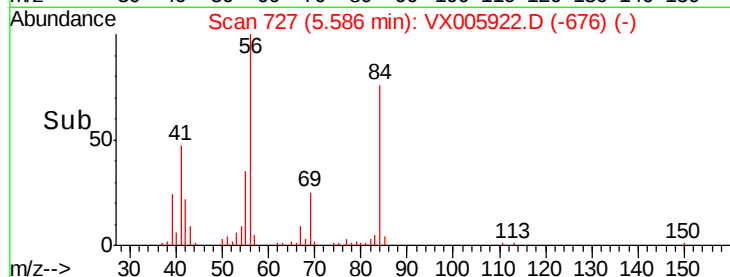
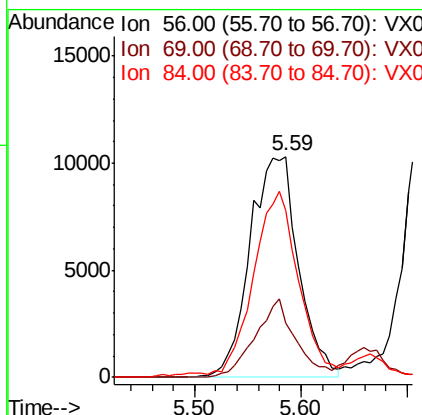
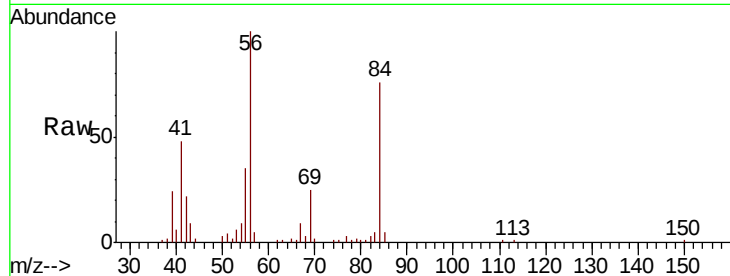
#31
Cvclohexane
Concen: 18.715 ug/l
RT: 5.59 min Scan# 727
Delta R.T. 0.01 min
Lab File: VX005922.D
Acq: 13 Nov 2018 01:46

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
69	24.6	22.6	34.0
84	73.7	62.7	94.1

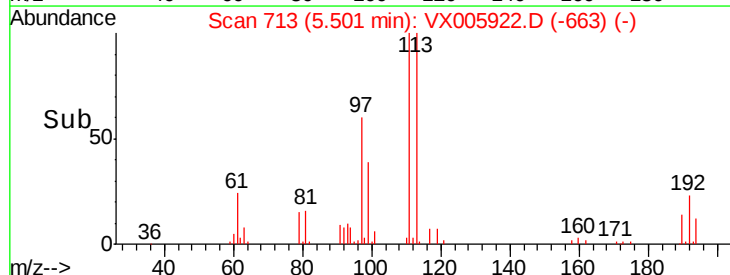
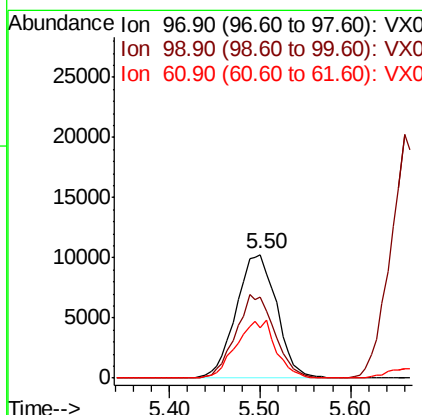
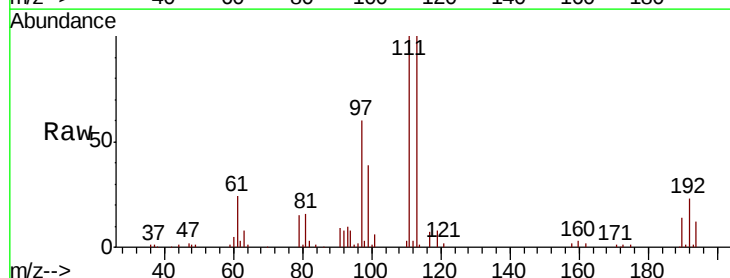
Manual Integrations
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#32
1,1,1-Trichloroethane
Concen: 19.626 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX005922.D
Acq: 13 Nov 2018 01:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.3	78.5
61	45.5	35.2	52.8





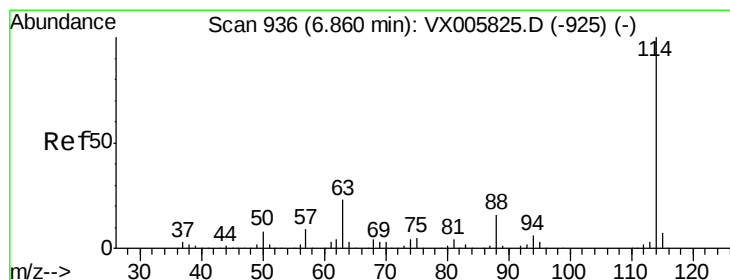
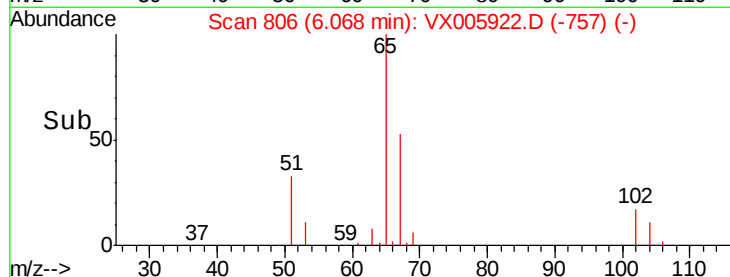
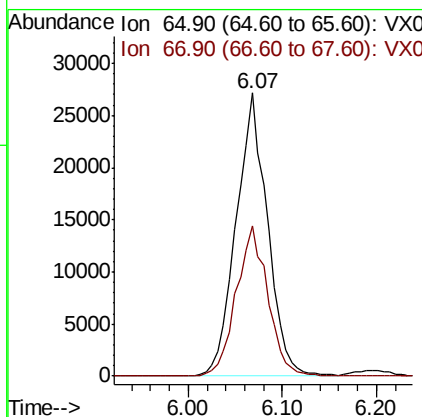
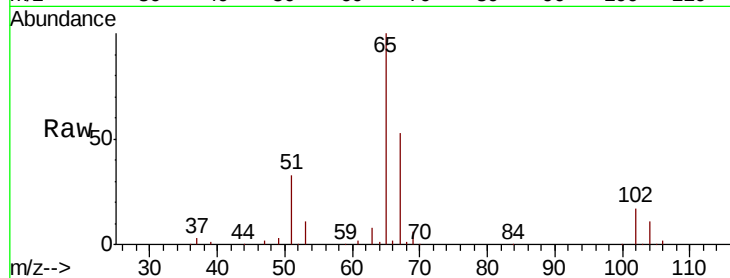
#33
 1,2-Dichloroethane-d4
 Concen: 50.328 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005922.D
 Acq: 13 Nov 2018 01:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1112WBSD02

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	105.0

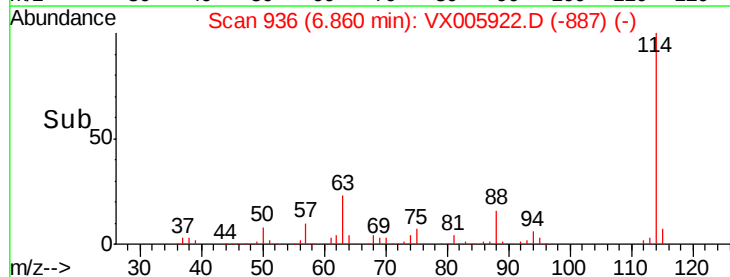
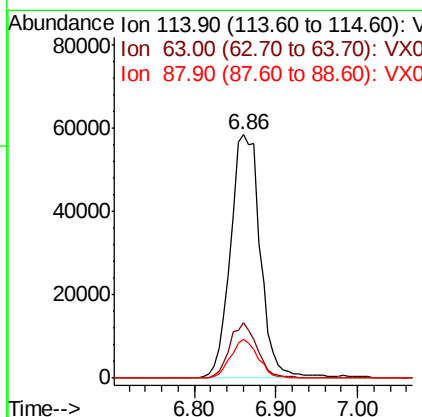
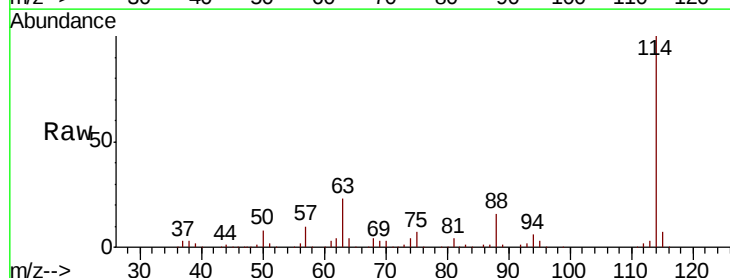
Manual Integrations
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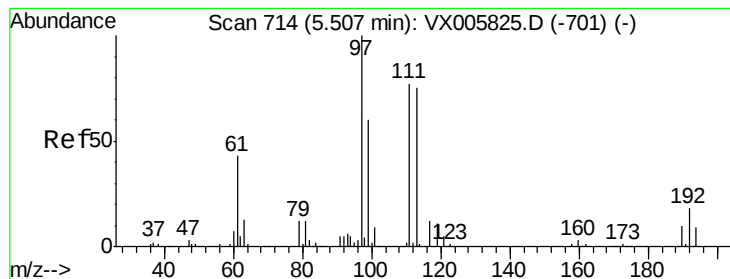
MMDadoda
 11/13/2018 12:19:37 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005922.D
 Acq: 13 Nov 2018 01:46

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	42.8
88	15.9	0.0	31.2





#35

Dibromofluoromethane

Concen: 48.073 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX005922.D

Acq: 13 Nov 2018 01:46

Instrument :

MSVOA_X

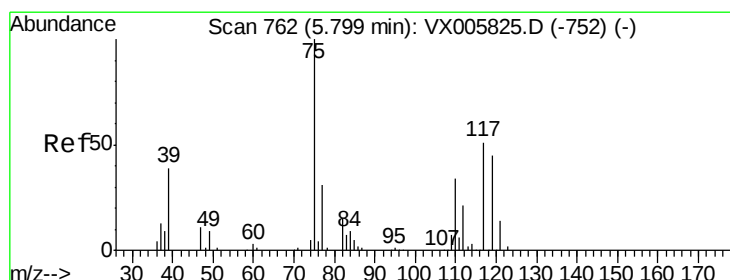
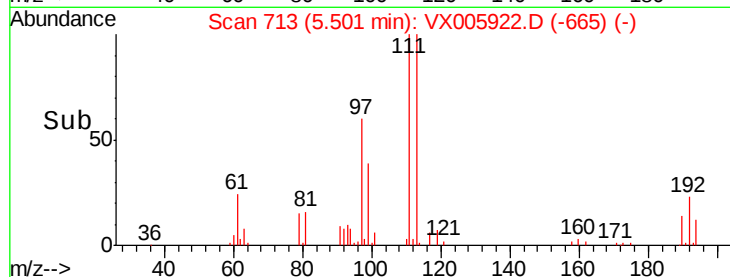
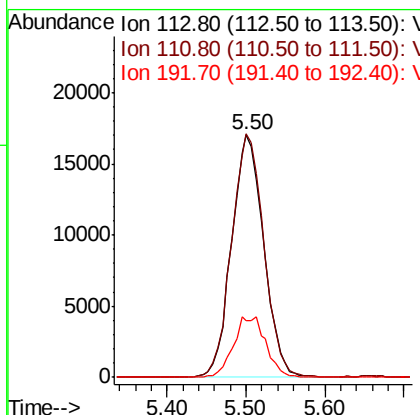
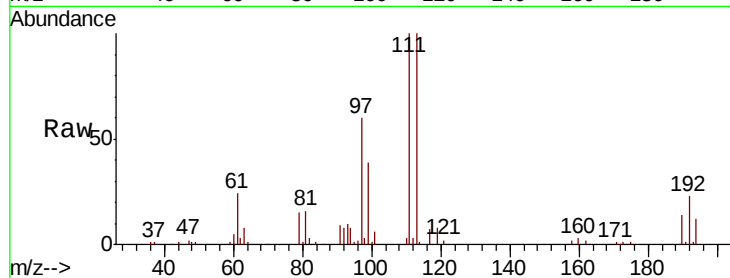
ClientSampleId :

VX1112WBSD02

Tot Ion:	113	Resp:	48145
Ion	Ratio	Lower	Upper
113	100		
111	101.0	82.3	123.5
192	25.2	17.9	26.9

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 18.506 ug/l

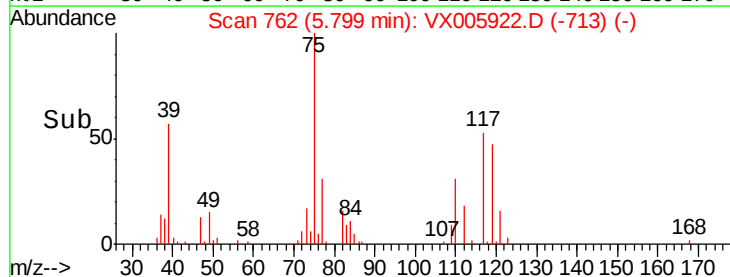
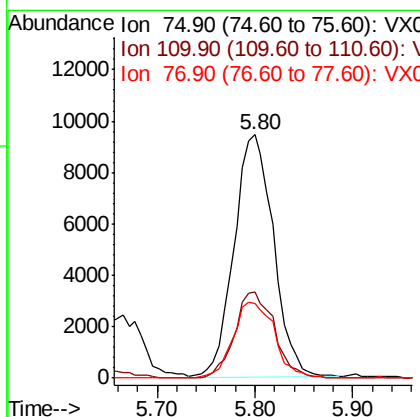
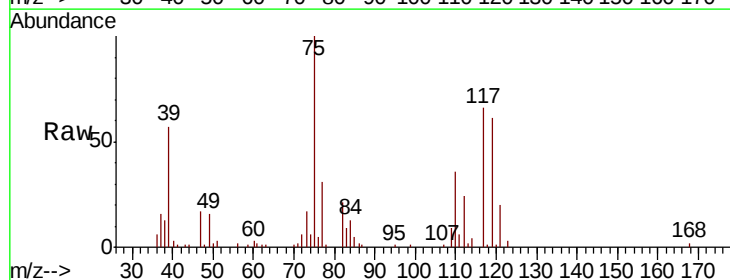
RT: 5.80 min Scan# 762

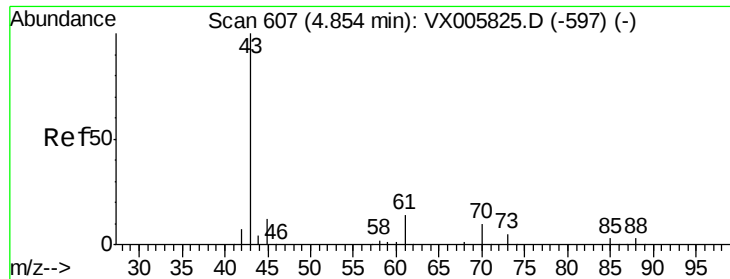
Delta R.T. -0.00 min

Lab File: VX005922.D

Acq: 13 Nov 2018 01:46

Tgt Ion:	75	Resp:	26269
Ion	Ratio	Lower	Upper
75	100		
110	35.8	17.4	52.2
77	33.0	25.8	38.6





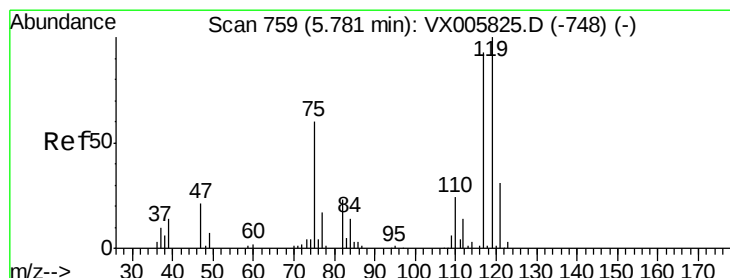
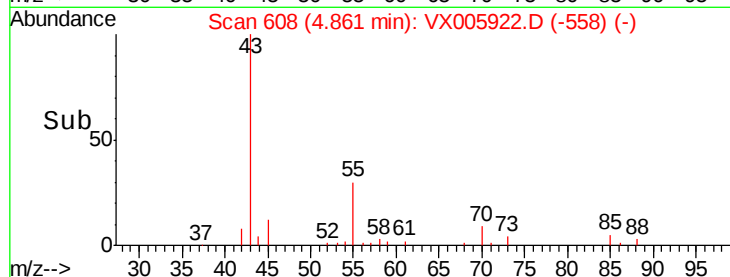
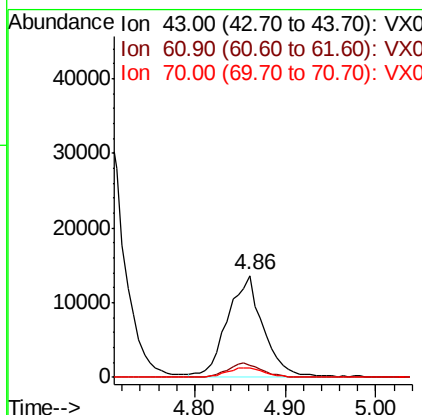
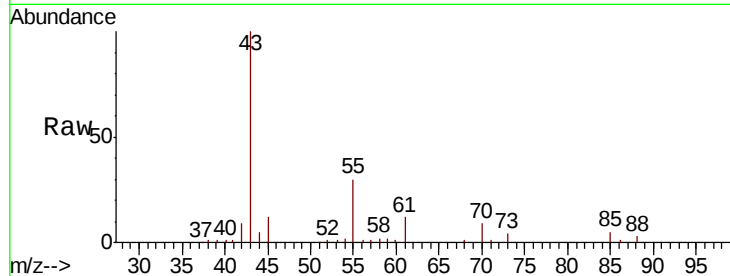
#37
Ethyl Acetate
Concen: 19.640 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX005922.D
Acq: 13 Nov 2018 01:46

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBSD02

Tot Ion:	43	Resp:	36661
Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.8	16.2
70	10.2	7.8	11.8

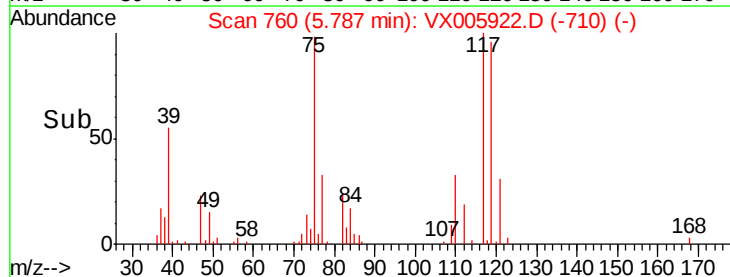
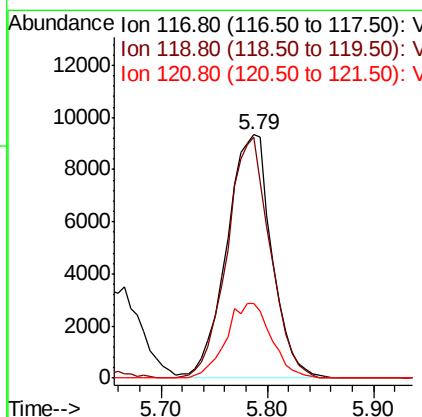
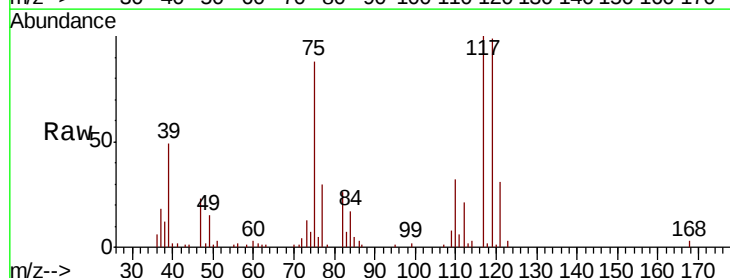
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 19.427 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX005922.D
Acq: 13 Nov 2018 01:46

Tgt Ion:	117	Resp:	27607
Ion	Ratio	Lower	Upper
117	100		
119	99.0	78.1	117.1
121	30.8	24.6	36.8





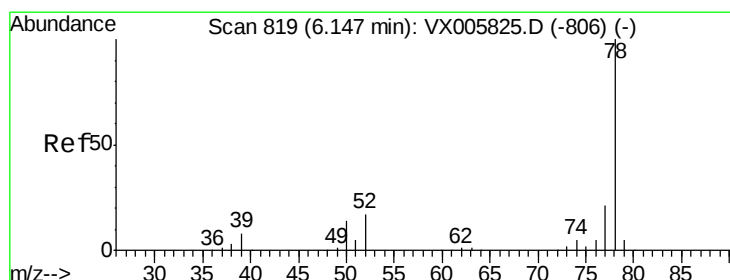
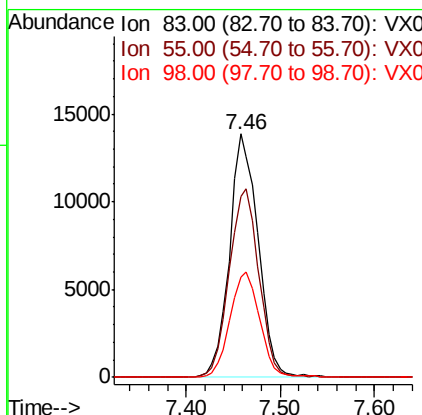
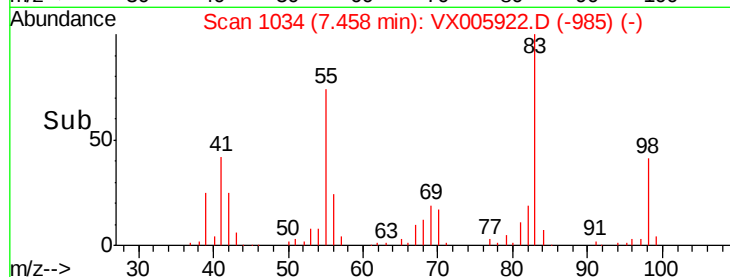
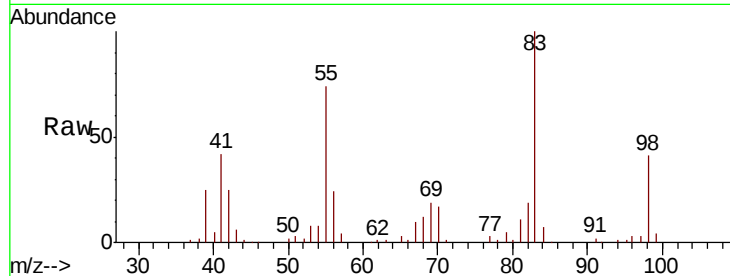
#39
Methvlcvclohexane
Concen: 20.292 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX005922.D
Acq: 13 Nov 2018 01:46

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBSD02

Tot Ion	83	Resp	29194
Ion Ratio	100	Lower	Upper
83	100		
55	74.3	63.7	95.5
98	41.2	36.2	54.2

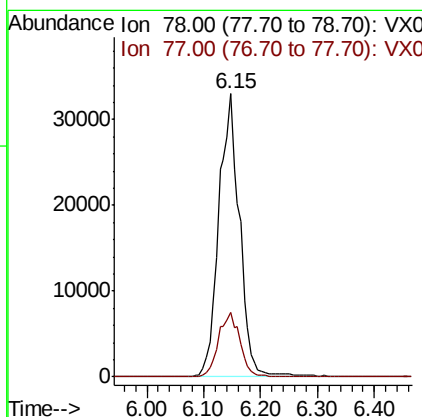
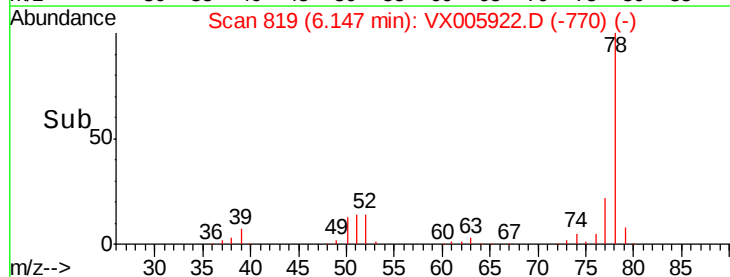
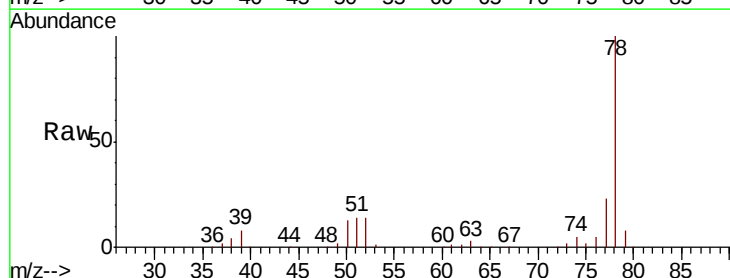
Manual Integrations
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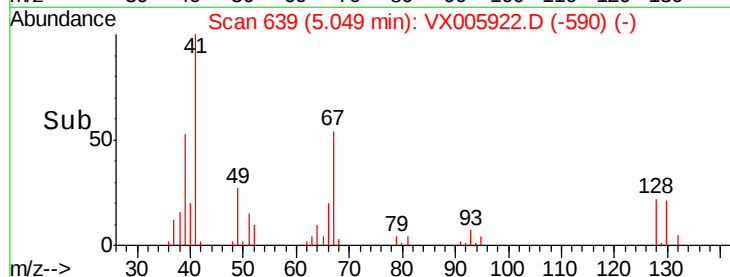
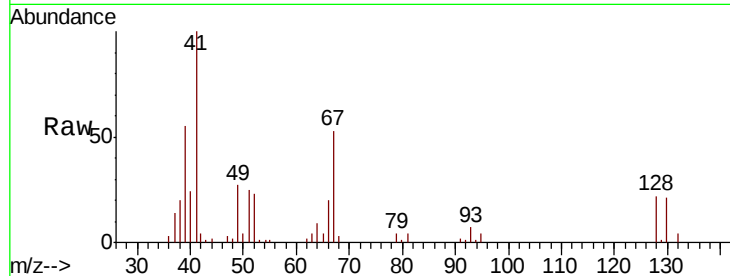
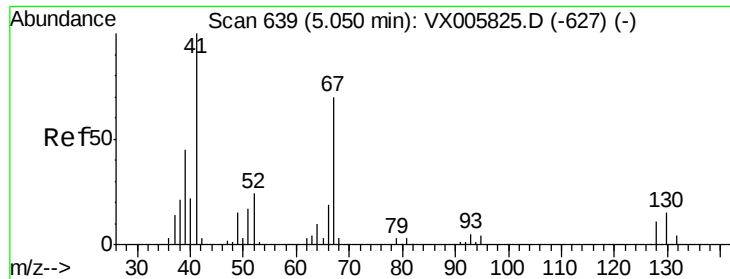
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#40
Benzene
Concen: 20.182 ug/l
RT: 6.15 min Scan# 819
Delta R.T. -0.00 min
Lab File: VX005922.D
Acq: 13 Nov 2018 01:46

Tgt Ion	78	Resp	83516
Ion Ratio	100	Lower	Upper
78	100		
77	22.9	18.4	27.6





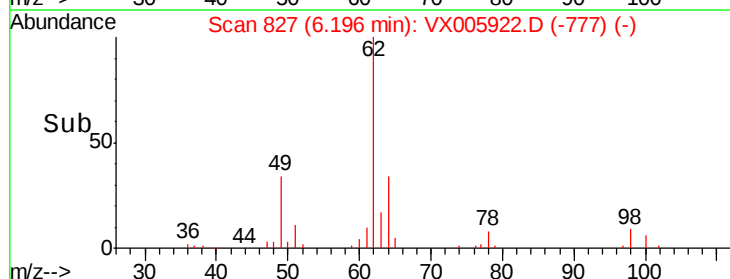
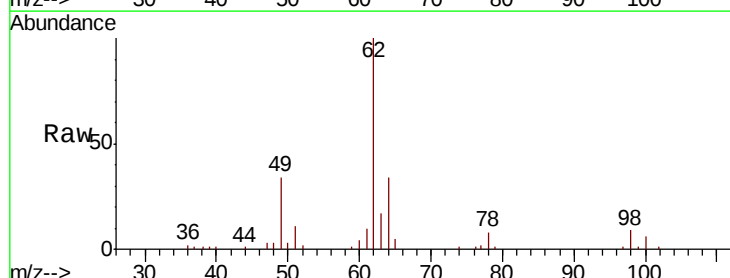
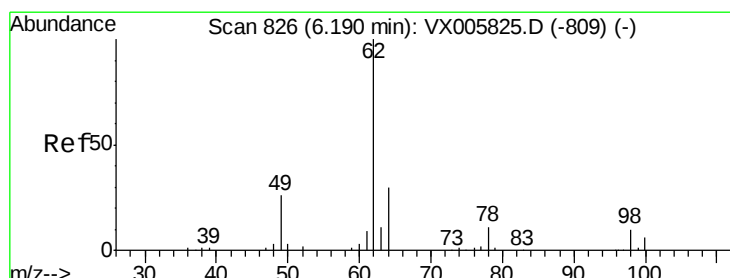
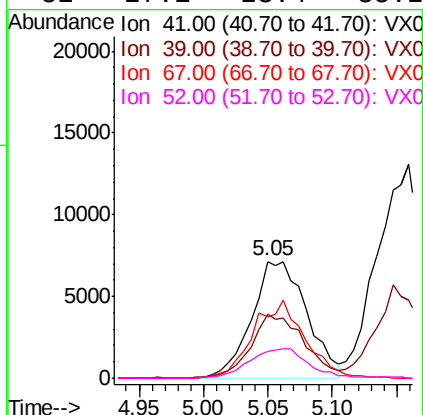
#41
Methacrylonitrile
Concen: 21.002 ug/l
RT: 5.05 min Scan# 639
Delta R.T. -0.00 min
Lab File: VX005922.D
Acq: 13 Nov 2018 01:46

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.0	42.2	63.2	
67	63.1	53.4	80.0	
52	27.1	23.4	35.2	

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBSD02

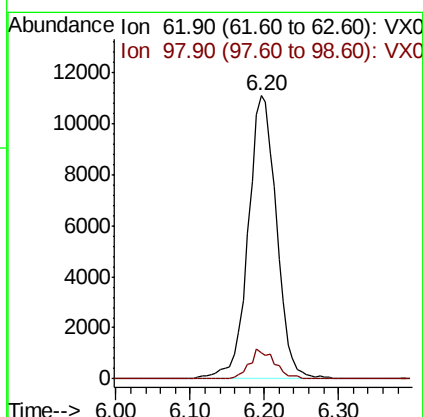
Manual Integrations
APPROVED

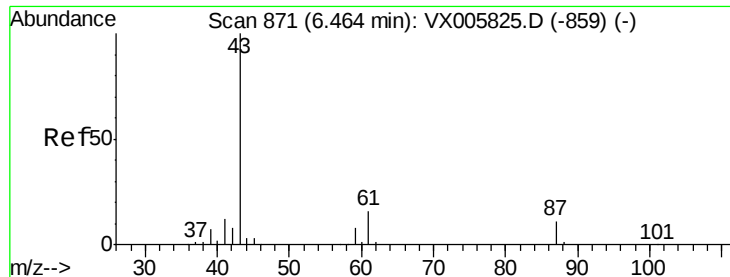
MMDadoda
11/13/2018 12:19:37 PM



#42
1,2-Dichloroethane
Concen: 19.998 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX005922.D
Acq: 13 Nov 2018 01:46

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.3	0.0	17.8	





#43

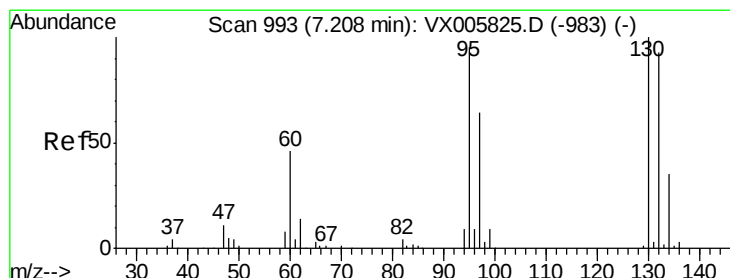
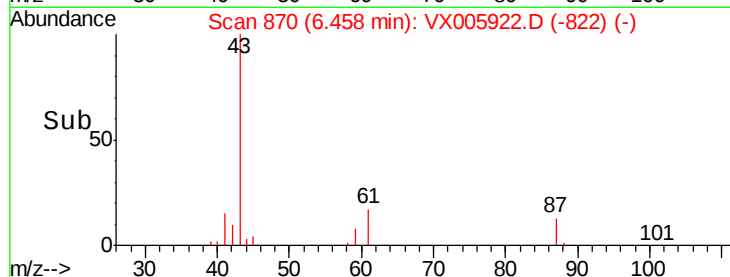
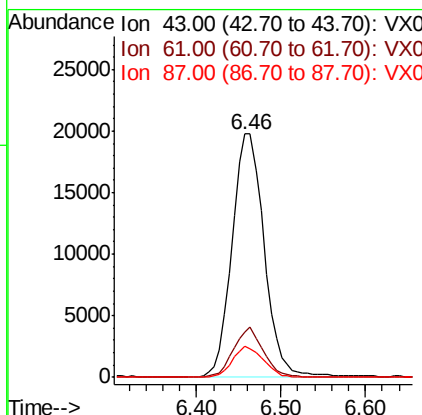
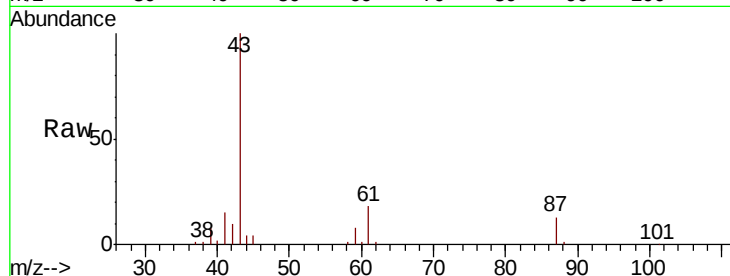
Isopropyl Acetate
 Concen: 18.936 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.01 min
 Lab File: VX005922.D
 Acq: 13 Nov 2018 01:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1112WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.9	14.6	22.0
87	12.2	9.6	14.4

Manual Integrations
 APPROVED

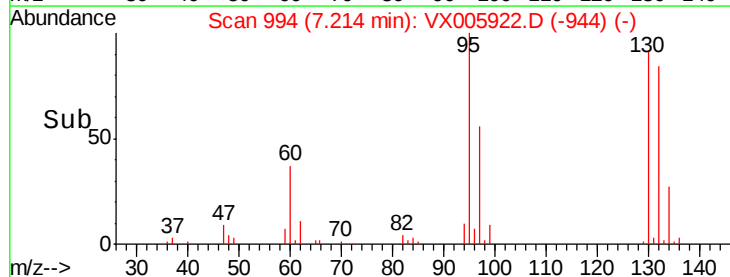
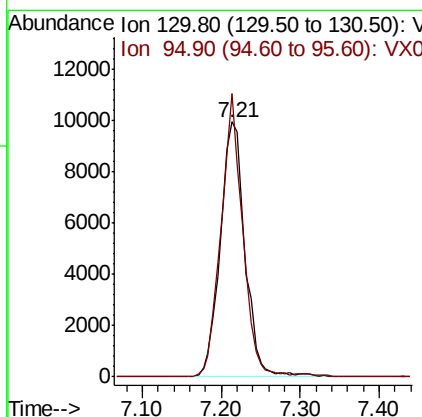
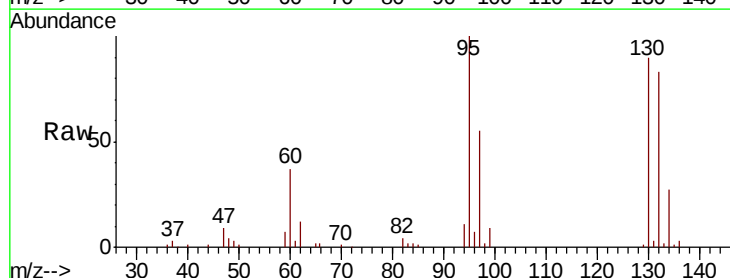
MMDadoda
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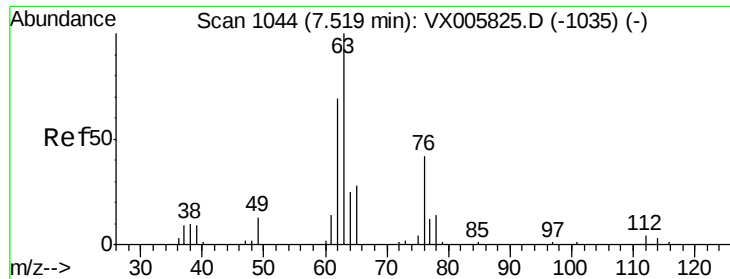


#44

Trichloroethene
 Concen: 20.642 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX005922.D
 Acq: 13 Nov 2018 01:46

Tgt Ion	Ratio	Lower	Upper
130	100		
95	110.9	0.0	194.2





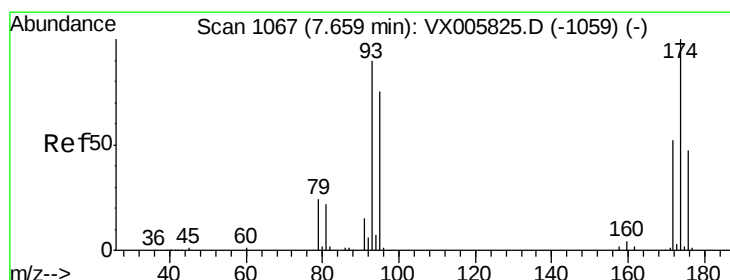
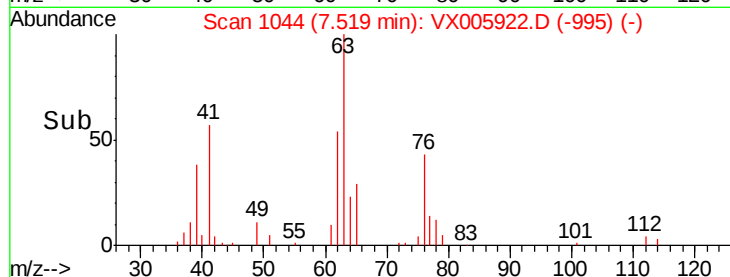
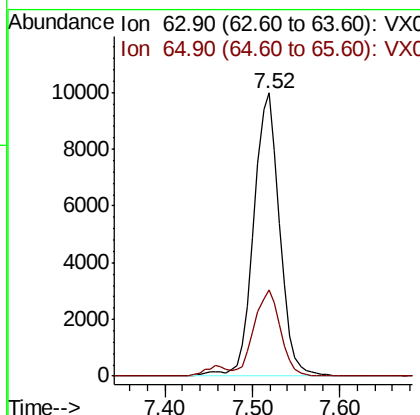
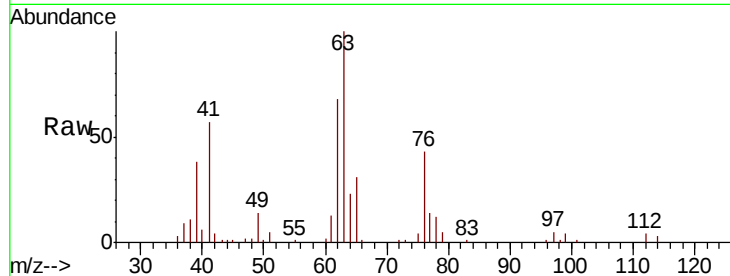
#45
1,2-Dichloropropane
Concen: 20.498 ug/l
RT: 7.52 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VX005922.D
Acq: 13 Nov 2018 01:46

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBSD02

Tot Ion: 63 Resp: 20588
Ion Ratio Lower Upper
63 100
65 30.5 24.8 37.2

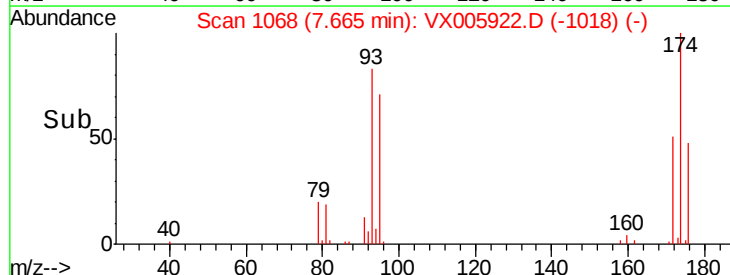
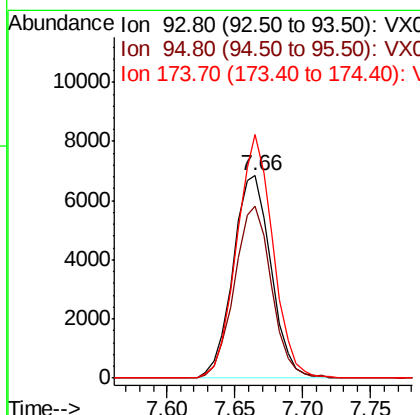
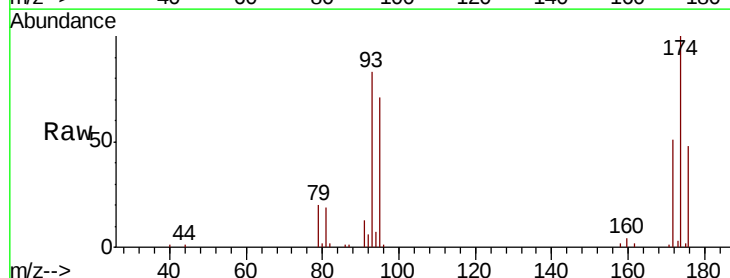
Manual Integrations
APPROVED

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#46
Dibromomethane
Concen: 21.194 ug/l
RT: 7.66 min Scan# 1068
Delta R.T. 0.01 min
Lab File: VX005922.D
Acq: 13 Nov 2018 01:46

Tgt Ion: 93 Resp: 13358
Ion Ratio Lower Upper
93 100
95 83.0 67.4 101.0
174 114.7 91.5 137.3





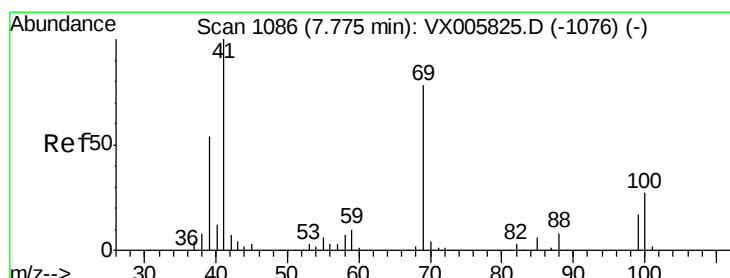
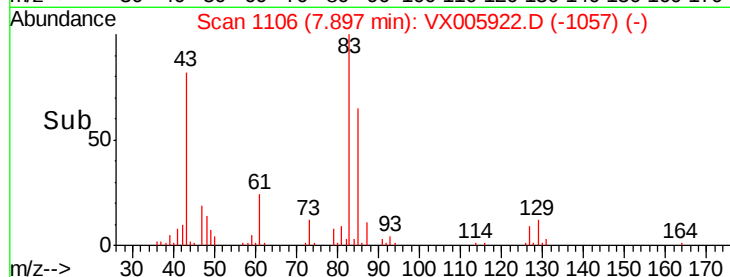
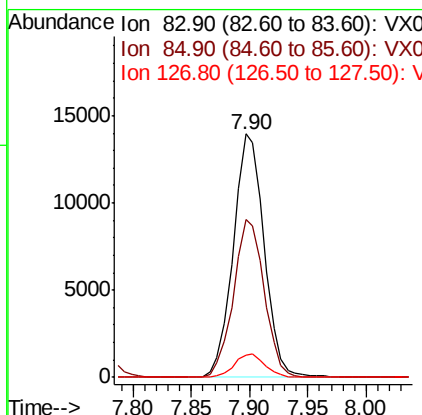
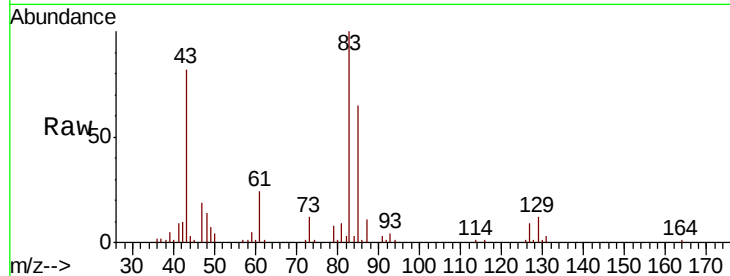
#47
Bromodichloromethane
Concen: 21.596 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX005922.D
Acq: 13 Nov 2018 01:46

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBSD02

Tot Ion	83	Resp	25724
Ion Ratio	Lower	Upper	
83	100		
85	64.7	50.2	75.4
127	8.9	6.9	10.3

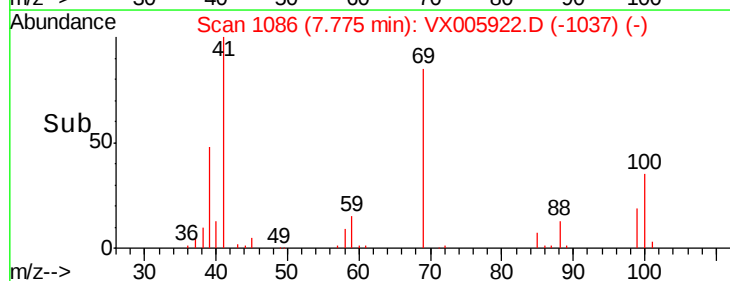
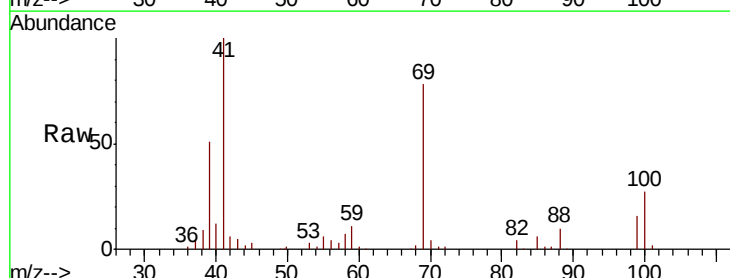
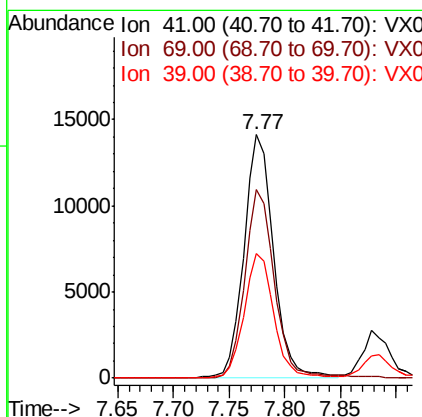
Manual Integrations
APPROVED

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#48
Methyl methacrylate
Concen: 21.558 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. -0.00 min
Lab File: VX005922.D
Acq: 13 Nov 2018 01:46

Tgt Ion	41	Resp	26182
Ion Ratio	Lower	Upper	
41	100		
69	77.6	63.2	94.8
39	51.4	42.2	63.2





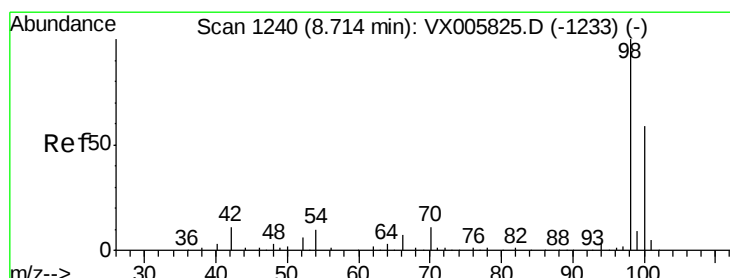
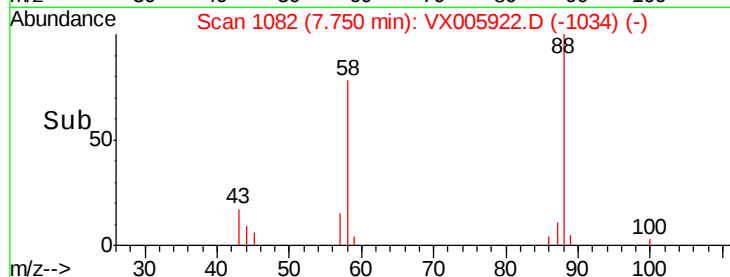
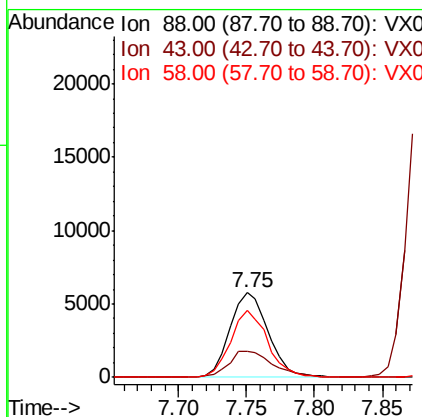
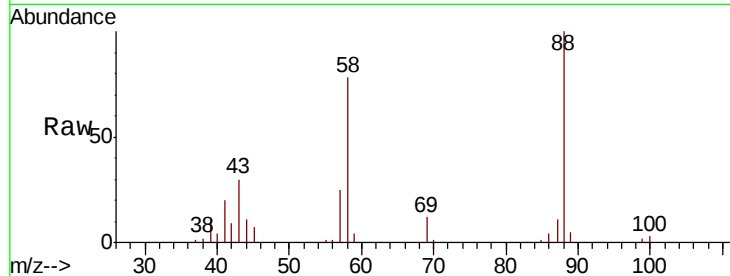
#49
1,4-Dioxane
Concen: 432.656 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX005922.D
Acq: 13 Nov 2018 01:46

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.8	27.4	41.0
58	77.2	59.4	89.2

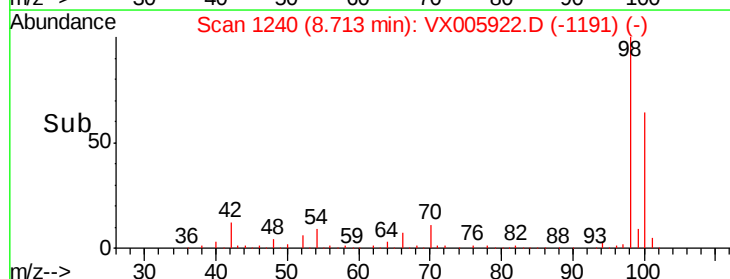
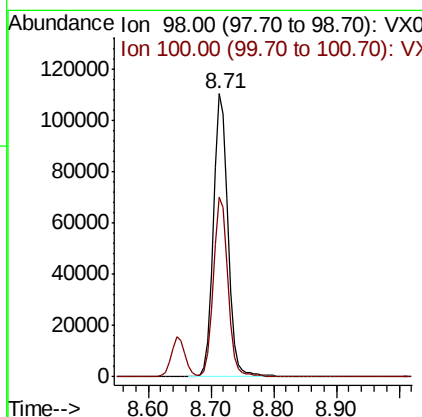
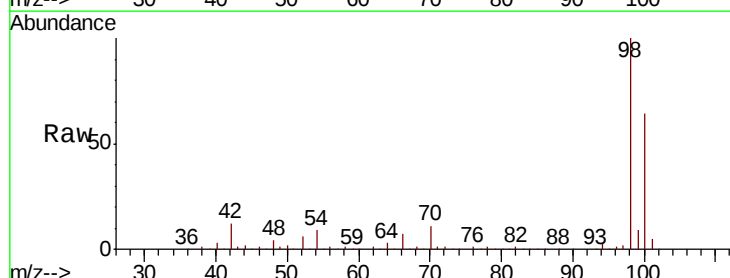
Manual Integrations
APPROVED

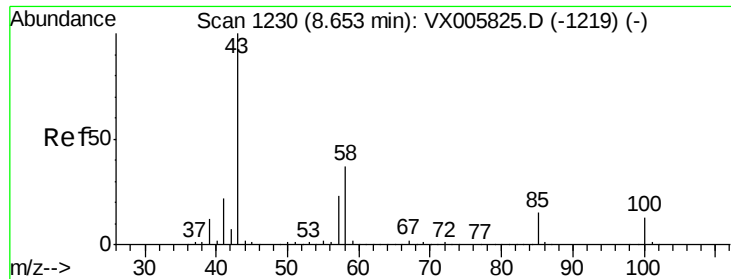
MMDadoda
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#50
Toluene-d8
Concen: 53.556 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005922.D
Acq: 13 Nov 2018 01:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.3	76.9





#51

4-Methyl-2-Pentanone

Concen: 106.154 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX005922.D

Acq: 13 Nov 2018 01:46

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBSD02

Tot Ion: 43 Resp: 180958

Ion Ratio Lower Upper

43 100

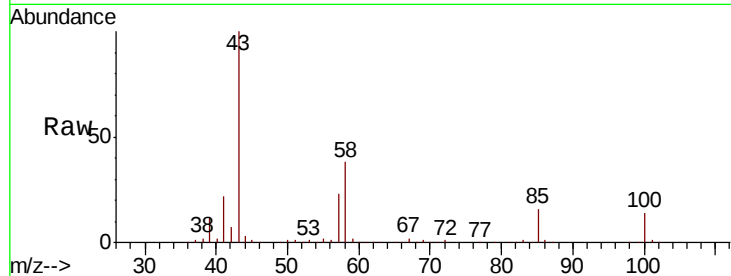
58 36.9 29.7 44.5

Manual Integrations

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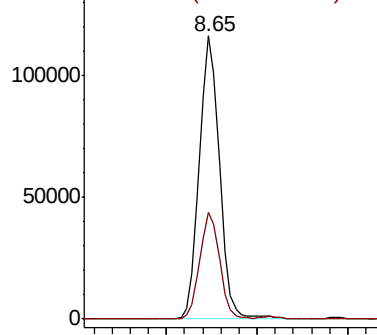
MMDadoda

11/13/2018 12:19:37 PM

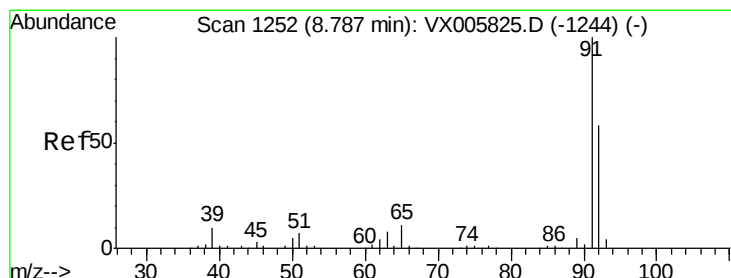
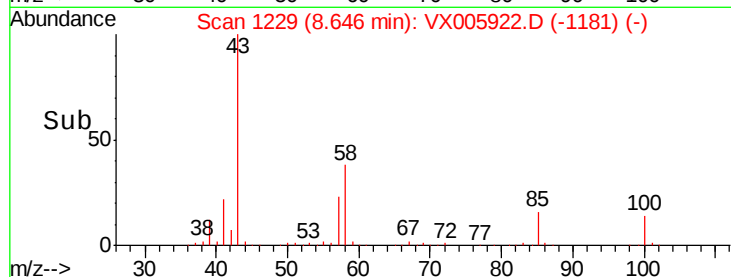


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#52

Toluene

Concen: 20.628 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005922.D

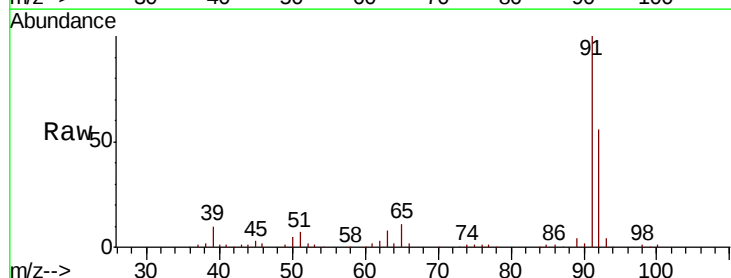
Acq: 13 Nov 2018 01:46

Tgt Ion: 92 Resp: 47708

Ion Ratio Lower Upper

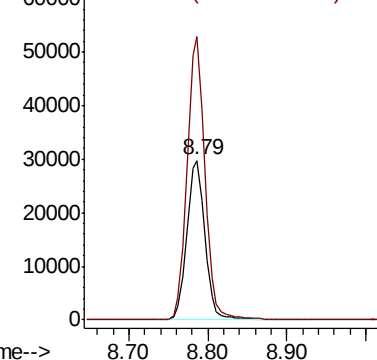
92 100

91 175.3 140.4 210.6

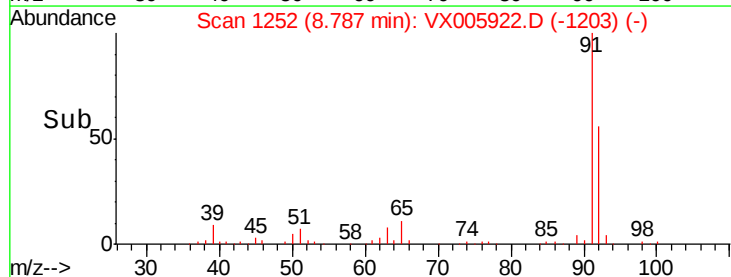


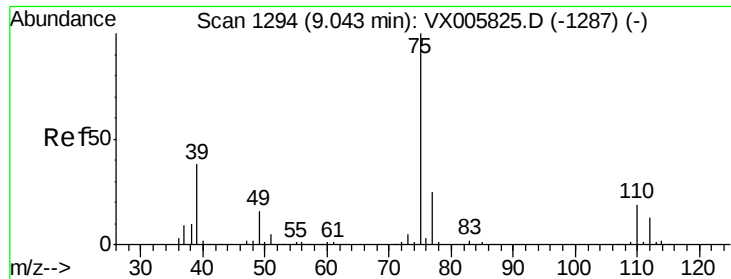
Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



Time-->





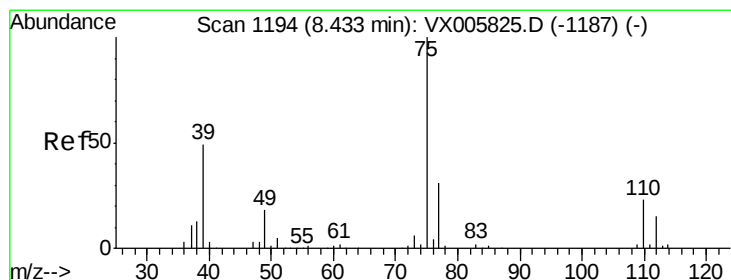
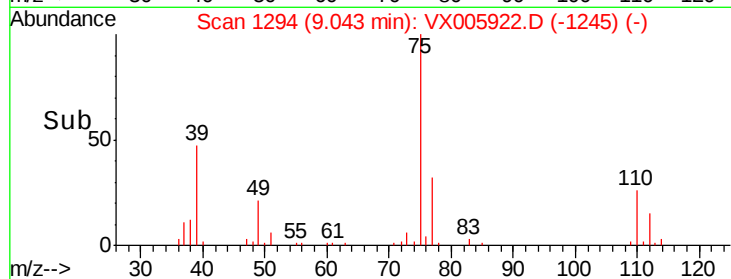
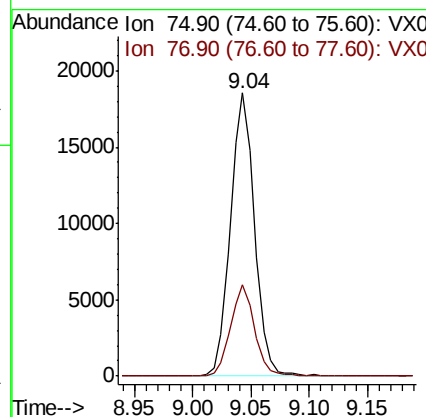
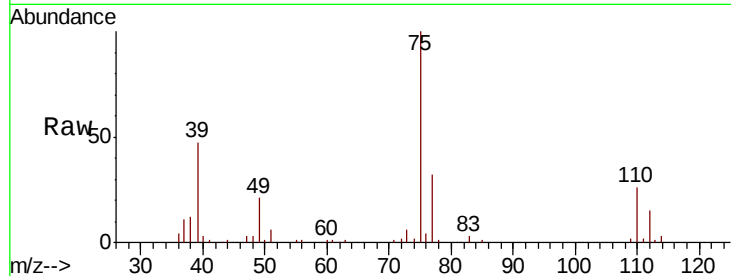
#53
t-1,3-Dichloropropene
Concen: 18.942 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX005922.D
Acq: 13 Nov 2018 01:46

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBSD02

Tot Ion: 75 Resp: 26626
Ion Ratio Lower Upper
75 100
77 32.3 25.4 38.2

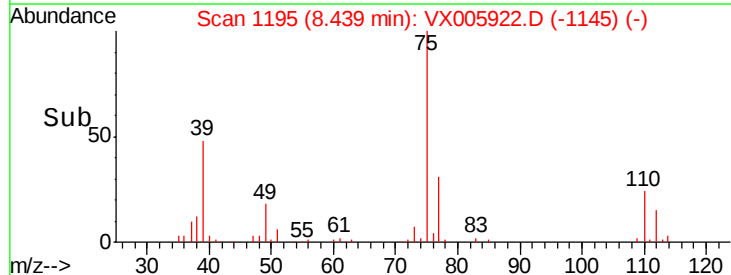
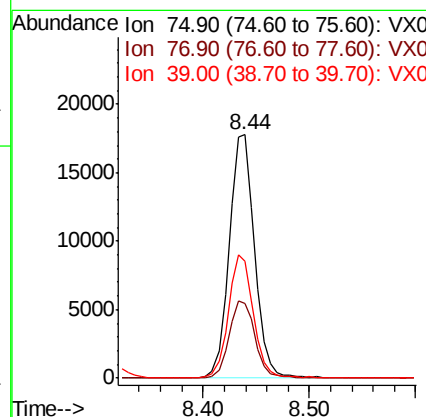
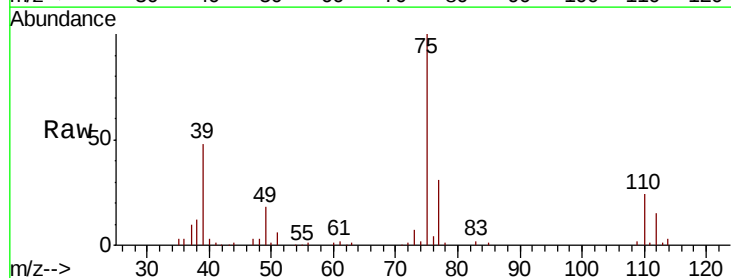
Manual Integrations
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#54
cis-1,3-Dichloropropene
Concen: 20.628 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.01 min
Lab File: VX005922.D
Acq: 13 Nov 2018 01:46

Tgt Ion: 75 Resp: 29554
Ion Ratio Lower Upper
75 100
77 30.9 25.2 37.8
39 48.2 38.2 57.2





#55

1,1,2-Trichloroethane

Concen: 19.514 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX005922.D

Acq: 13 Nov 2018 01:46

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBSD02

Tot Ion: 97 Resp: 20114

Ion Ratio Lower Upper

97 100

83 87.8 70.7 106.1

85 55.5 45.8 68.6

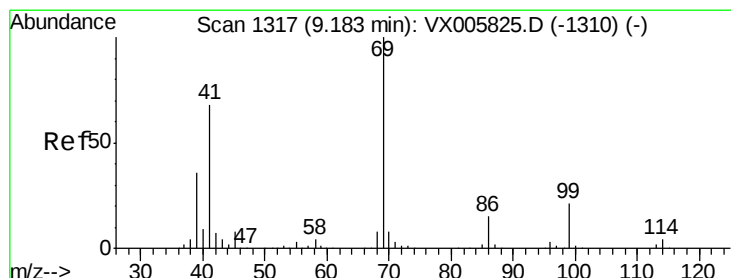
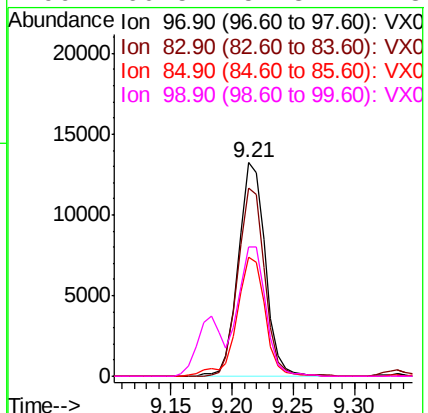
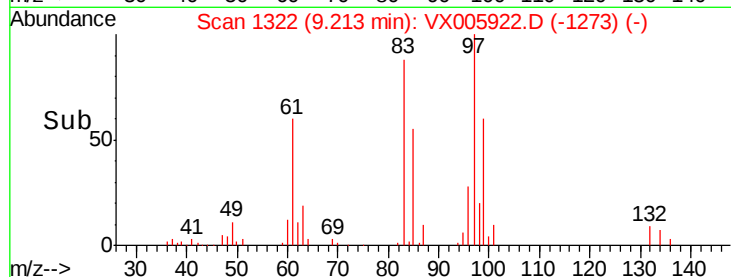
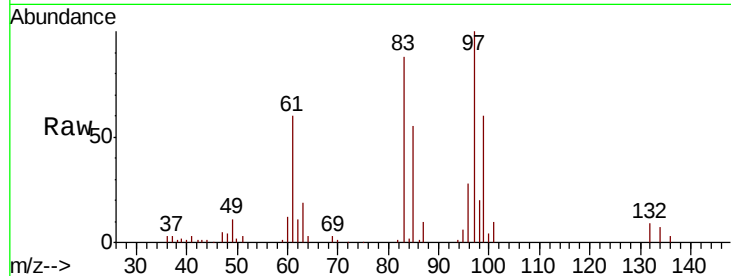
99 60.5 51.8 77.8

Manual Integrations

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#56

Ethyl methacrylate

Concen: 19.202 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VX005922.D

Acq: 13 Nov 2018 01:46

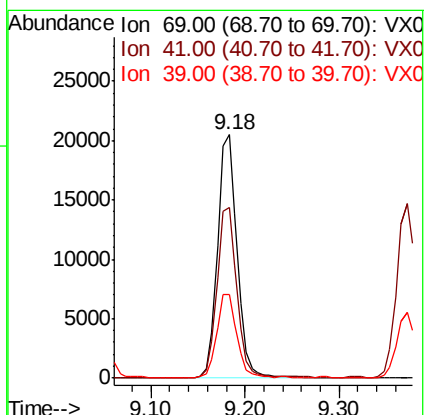
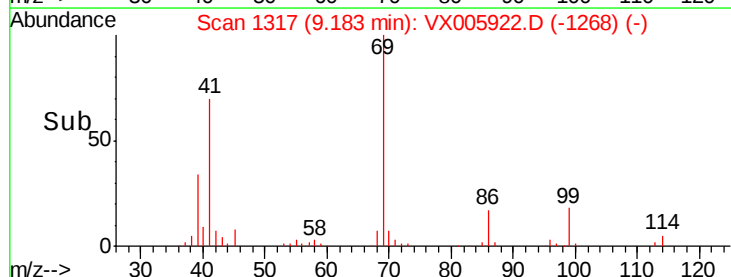
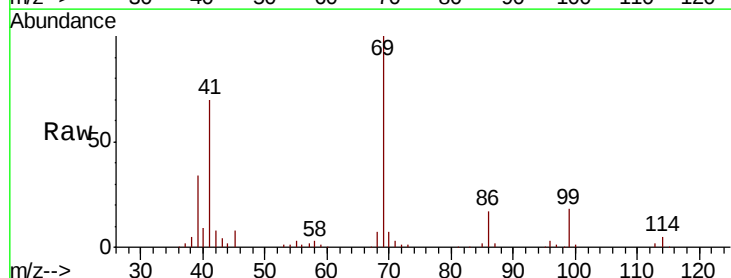
Tgt Ion: 69 Resp: 29614

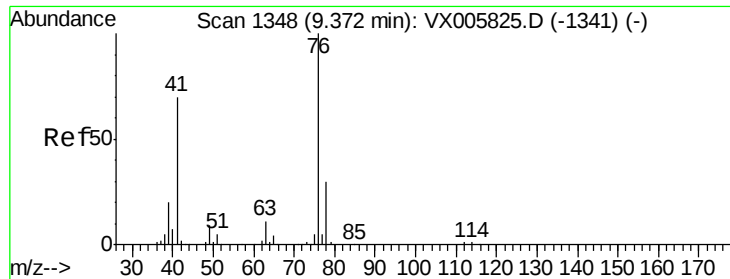
Ion Ratio Lower Upper

69 100

41 70.9 57.0 85.6

39 35.6 28.3 42.5





#57

1,3-Dichloropropane

Concen: 19.360 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX005922.D

Acq: 13 Nov 2018 01:46

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBSD02

Tot Ion: 76 Resp: 33535

Ion Ratio Lower Upper

76 100

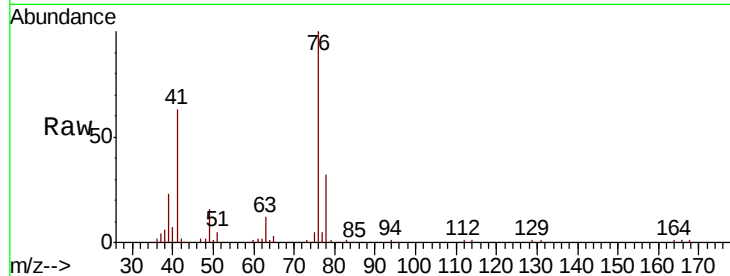
78 32.2 25.3 37.9

Manual Integrations

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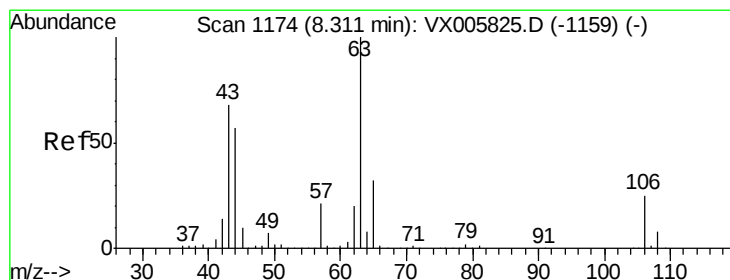
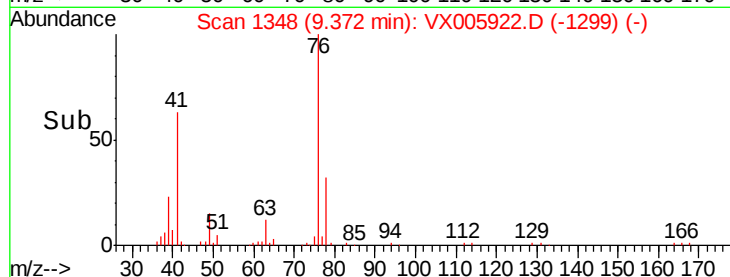
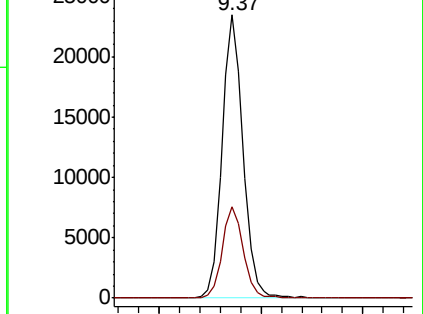
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 105.003 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX005922.D

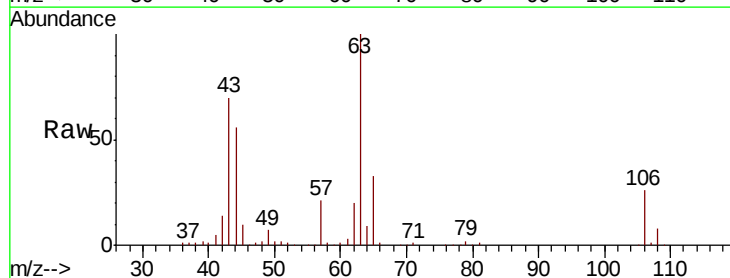
Acq: 13 Nov 2018 01:46

Tgt Ion: 63 Resp: 84069

Ion Ratio Lower Upper

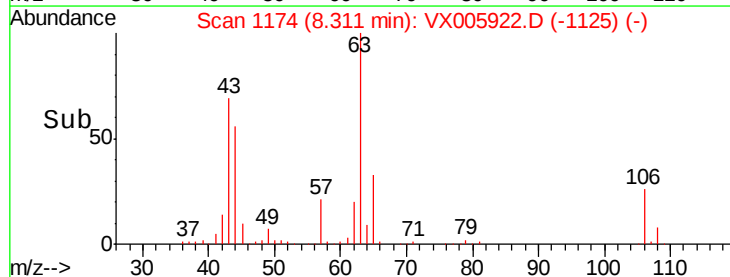
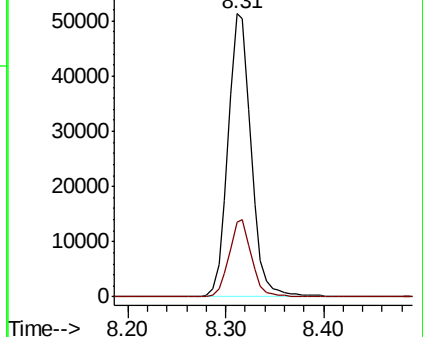
63 100

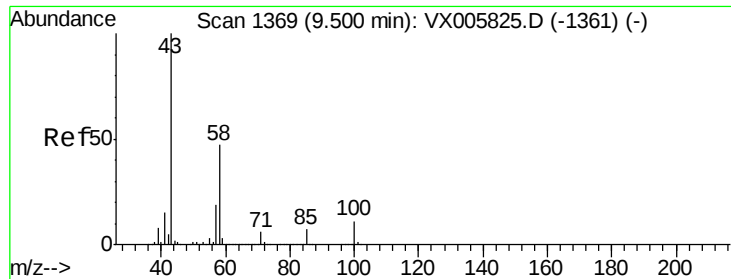
106 26.8 21.3 31.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





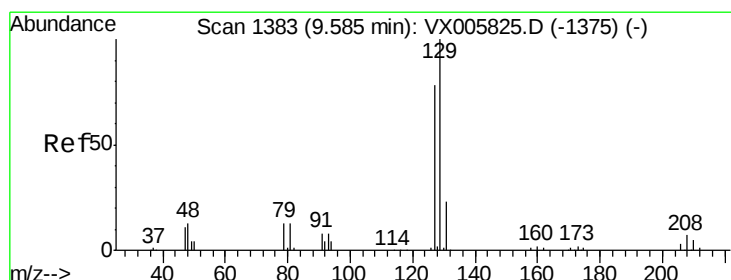
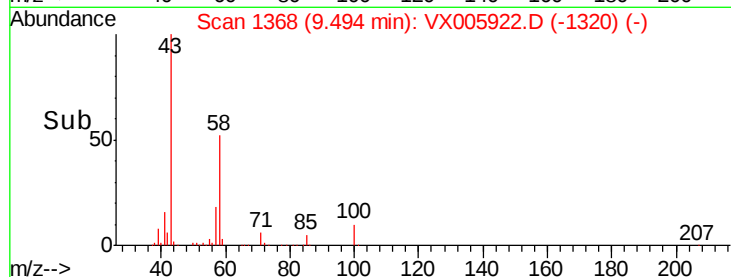
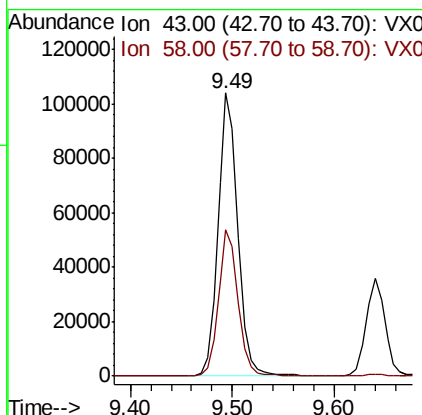
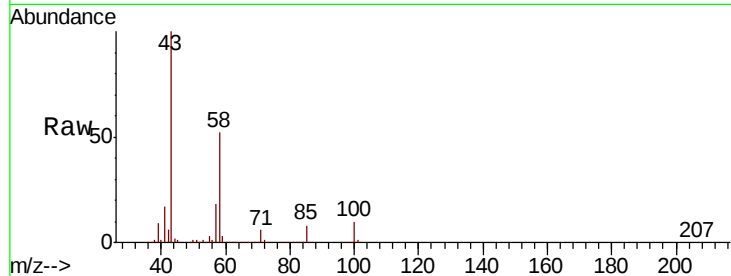
#59
2-Hexanone
Concen: 94.028 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005922.D
Acq: 13 Nov 2018 01:46

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBSD02

Tot Ion: 43 Resp: 141286
Ion Ratio Lower Upper
43 100
58 51.3 25.9 77.8

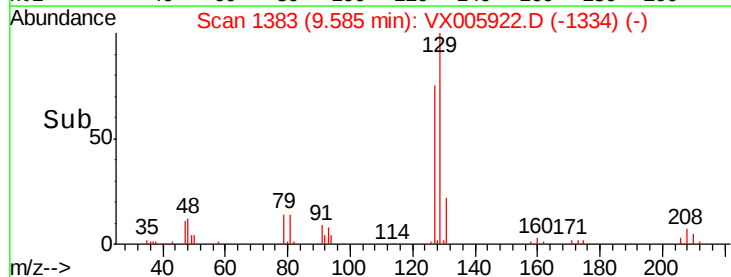
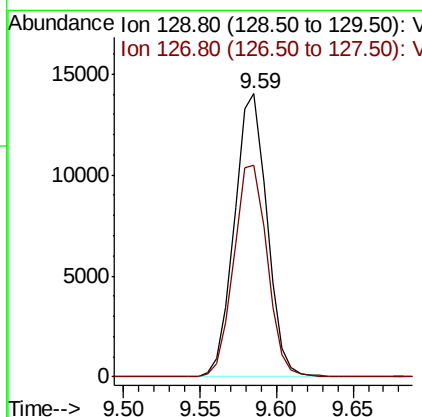
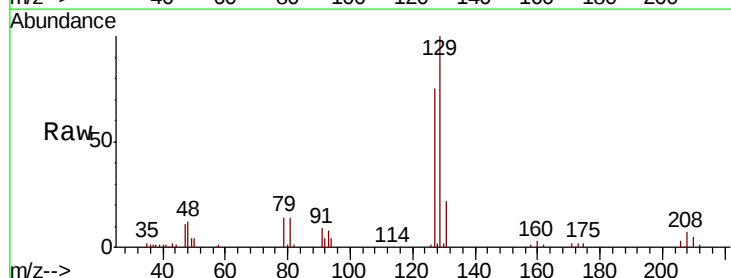
Manual Integrations
APPROVED

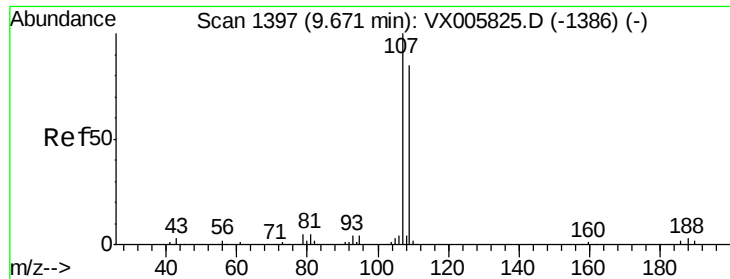
MMDadoda
11/13/2018 12:19:37 PM



#60
Dibromochloromethane
Concen: 18.674 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005922.D
Acq: 13 Nov 2018 01:46

Tgt Ion:129 Resp: 20802
Ion Ratio Lower Upper
129 100
127 76.4 38.9 116.7





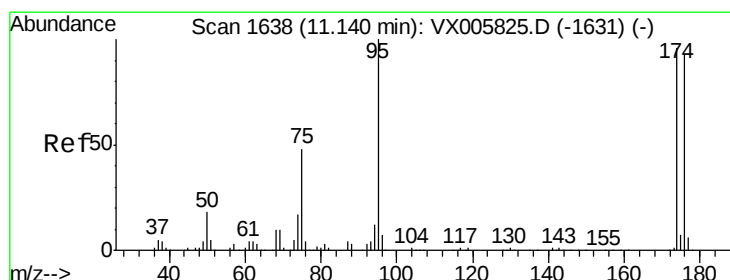
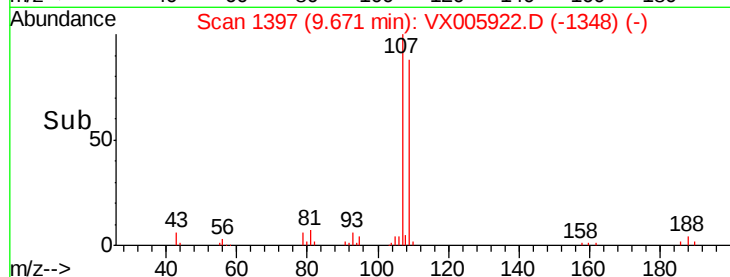
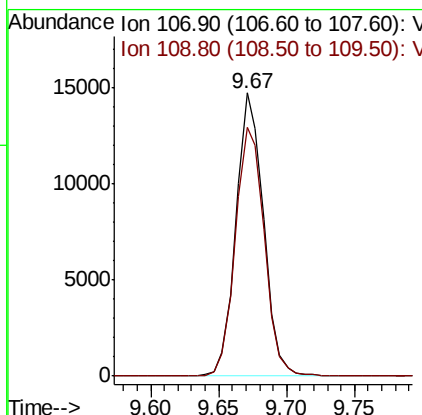
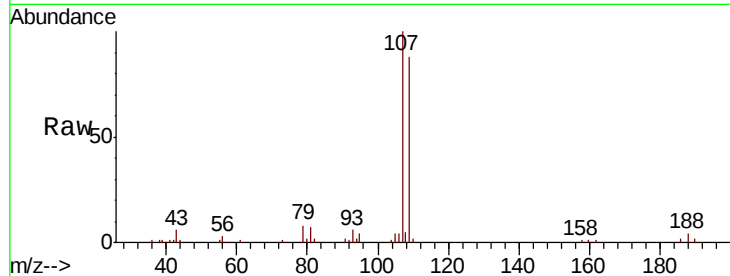
#61
 1,2-Dibromoethane
 Concen: 18.205 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX005922.D
 Acq: 13 Nov 2018 01:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1112WBSD02

Tot Ion: 107 Resp: 20749
 Ion Ratio Lower Upper
 107 100
 109 92.2 75.7 113.5

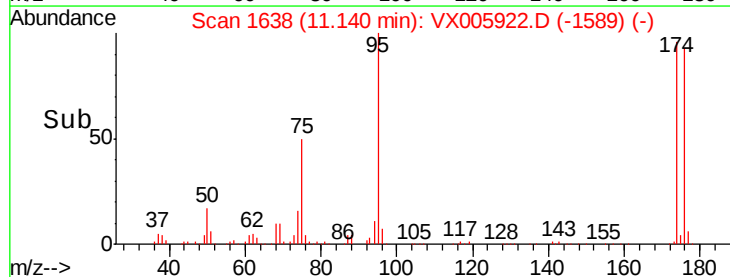
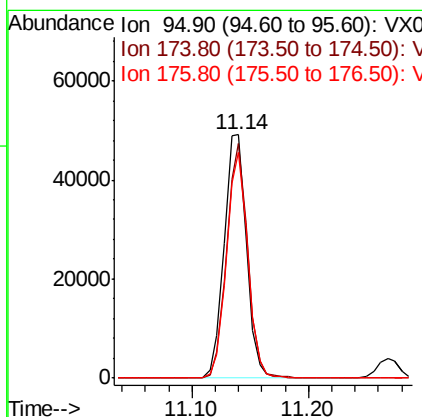
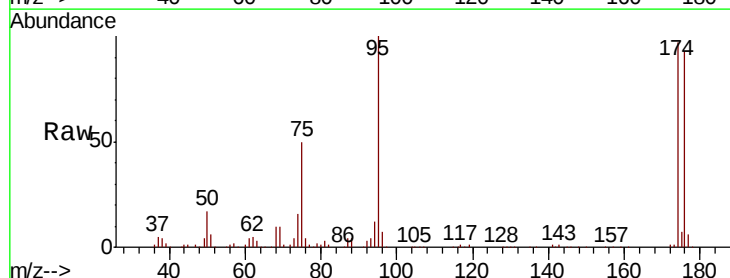
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#62
 4-Bromofluorobenzene
 Concen: 54.639 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX005922.D
 Acq: 13 Nov 2018 01:46

Tgt Ion: 95 Resp: 65408
 Ion Ratio Lower Upper
 95 100
 174 91.2 0.0 184.4
 176 88.3 0.0 177.4





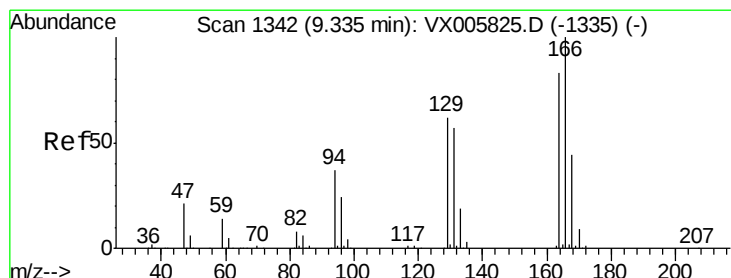
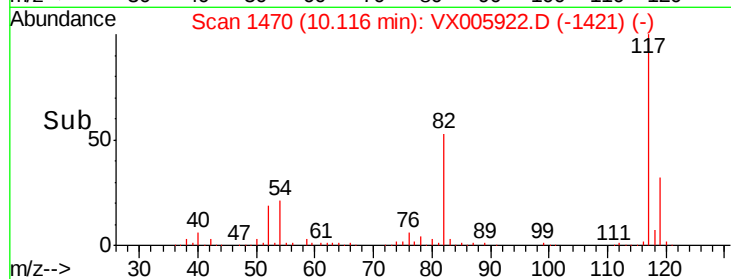
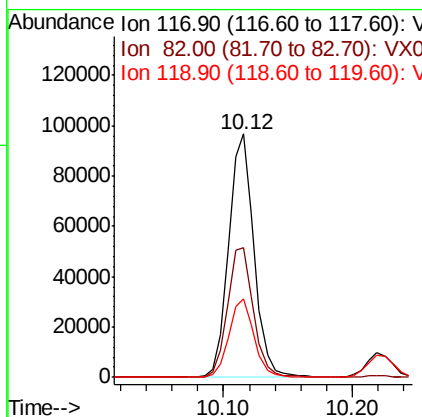
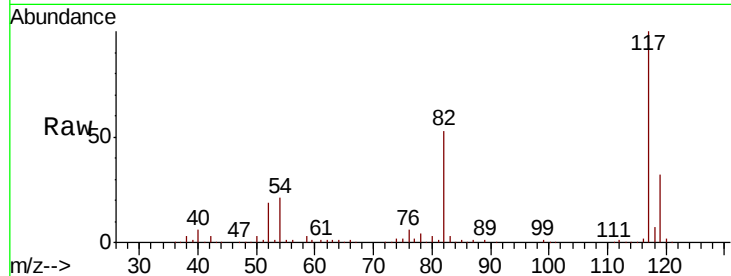
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005922.D
Acq: 13 Nov 2018 01:46

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	44.1	66.1
119	32.3	26.2	39.2

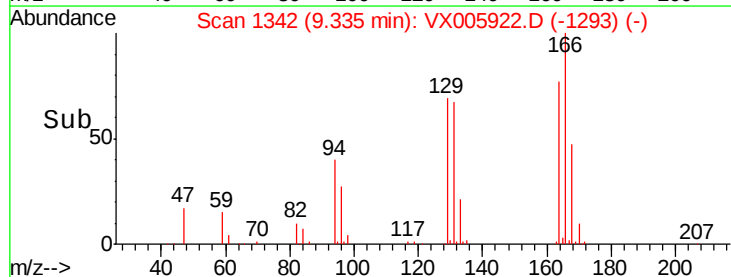
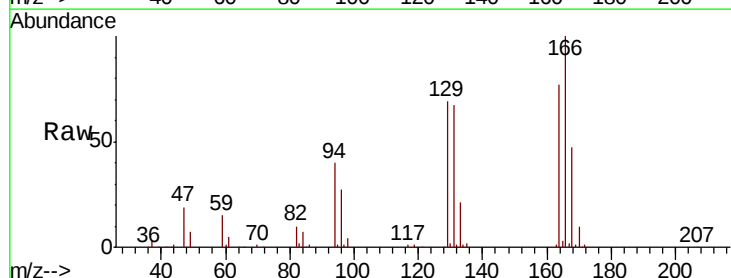
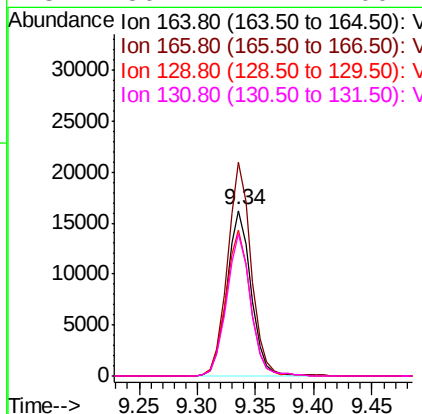
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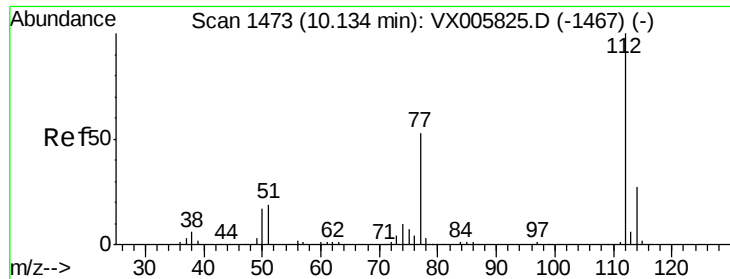
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11/13/2018 12:19:37 PM



#64
Tetrachloroethene
Concen: 20.664 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005922.D
Acq: 13 Nov 2018 01:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.3	101.9	152.9
129	88.6	72.6	109.0
131	86.4	71.1	106.7





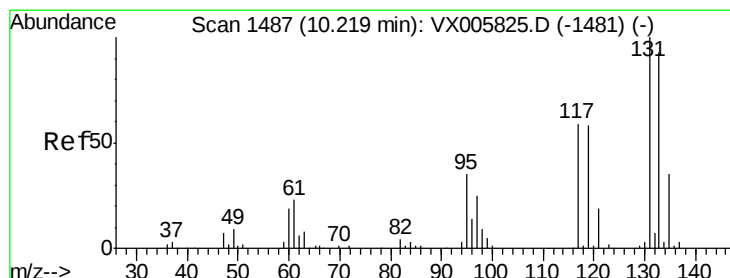
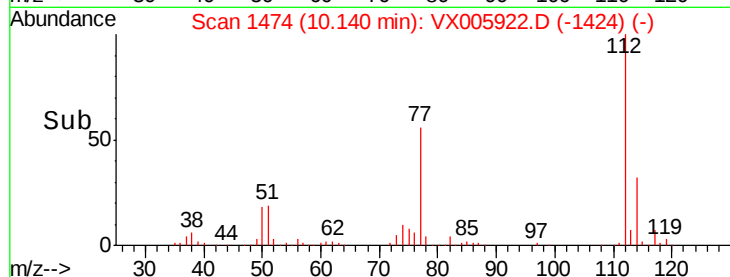
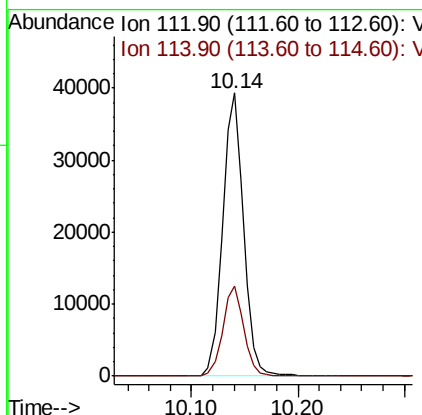
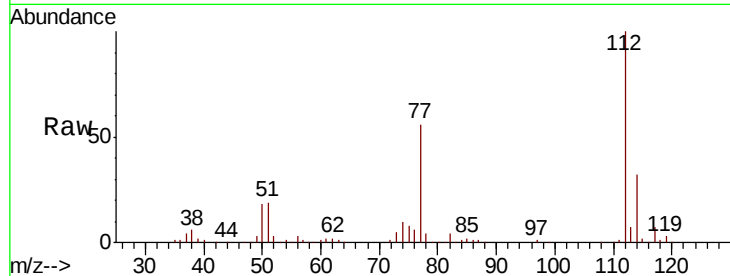
#65
Chlorobenzene
Concen: 20.150 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX005922.D
Acq: 13 Nov 2018 01:46

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBSD02

Tot Ion:112 Resp: 53754
Ion Ratio Lower Upper
112 100
114 31.9 25.8 38.6

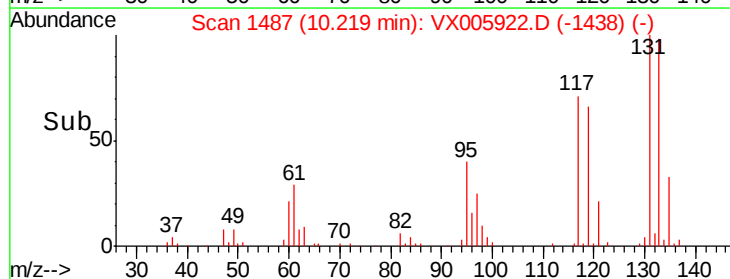
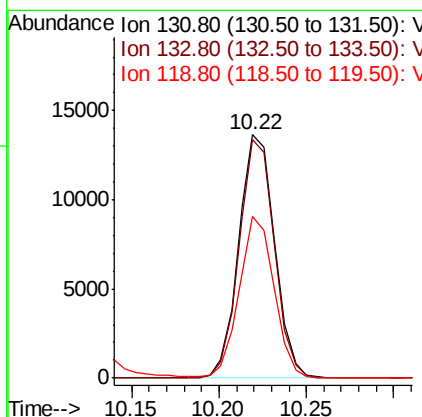
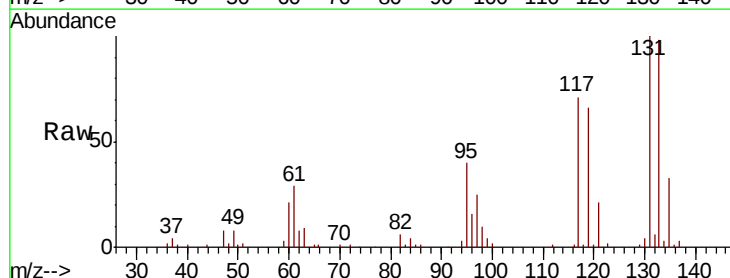
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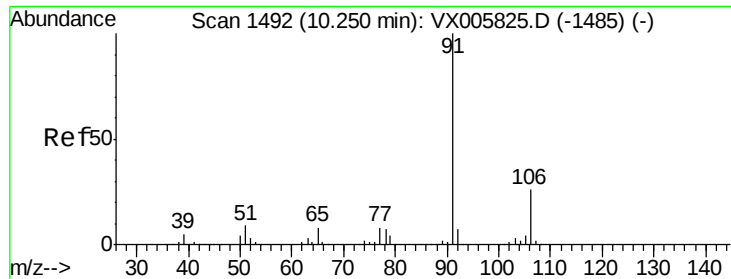
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.965 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX005922.D
Acq: 13 Nov 2018 01:46

Tgt Ion:131 Resp: 19444
Ion Ratio Lower Upper
131 100
133 95.8 47.5 142.5
119 64.6 31.8 95.3





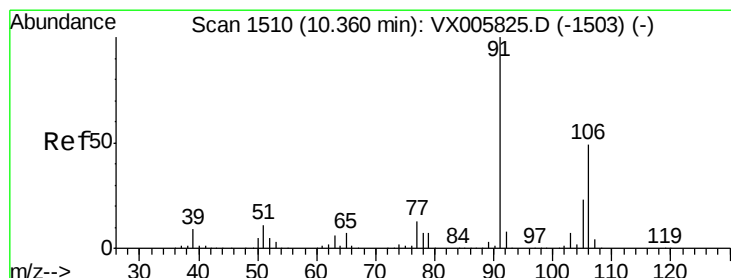
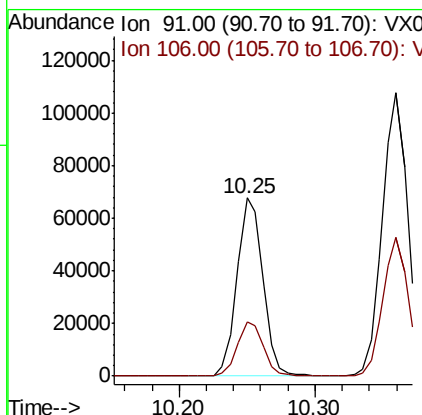
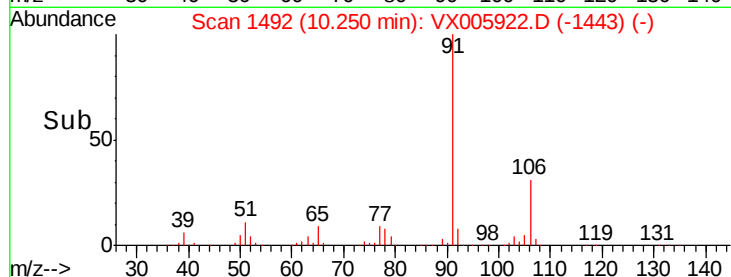
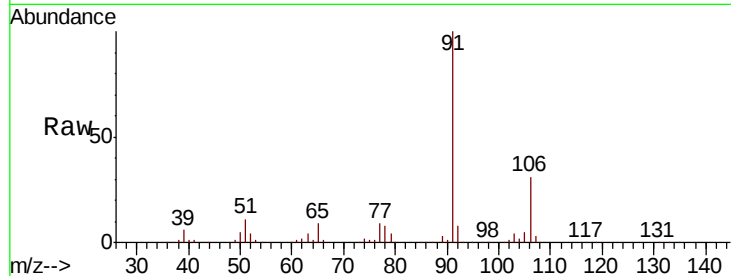
#67
Ethyl Benzene
Concen: 21.024 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX005922.D
Acq: 13 Nov 2018 01:46

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBSD02

Tot Ion: 91 Resp: 89937
Ion Ratio Lower Upper
91 100
106 30.7 24.4 36.6

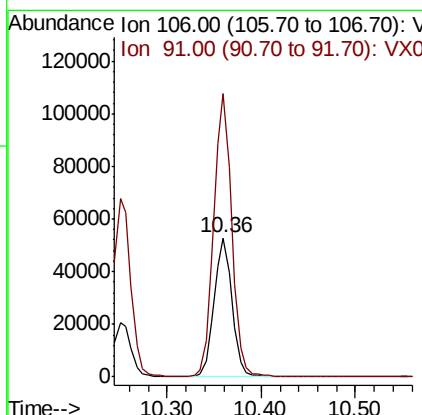
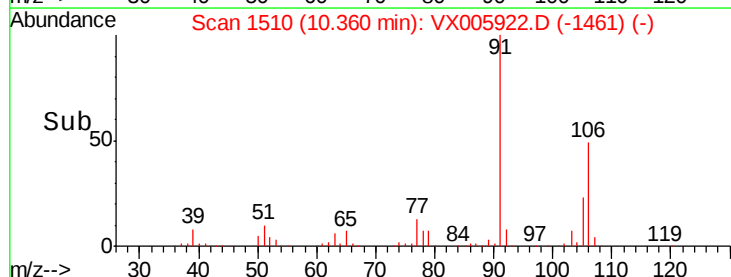
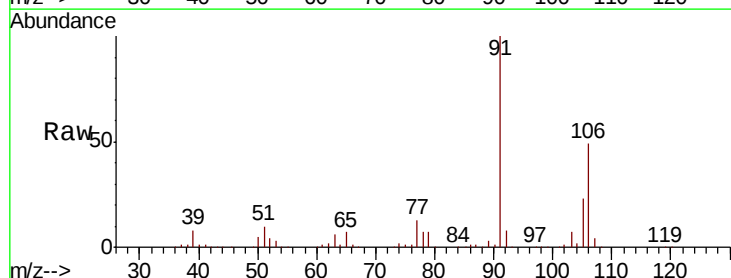
Manual Integrations
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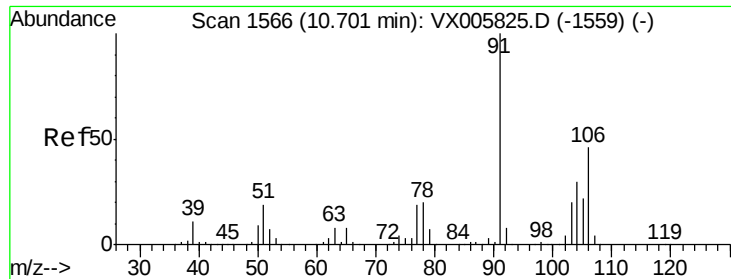
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#68
m/p-Xylenes
Concen: 42.837 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX005922.D
Acq: 13 Nov 2018 01:46

Tgt Ion: 106 Resp: 69897
Ion Ratio Lower Upper
106 100
91 205.7 164.2 246.4





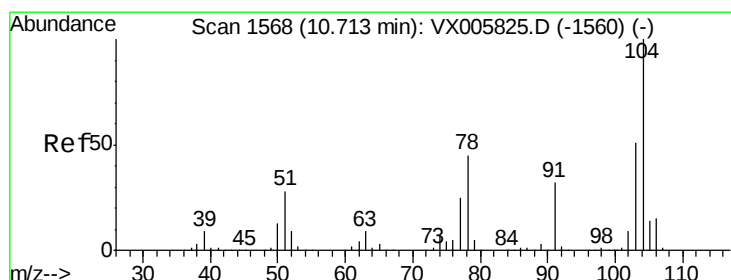
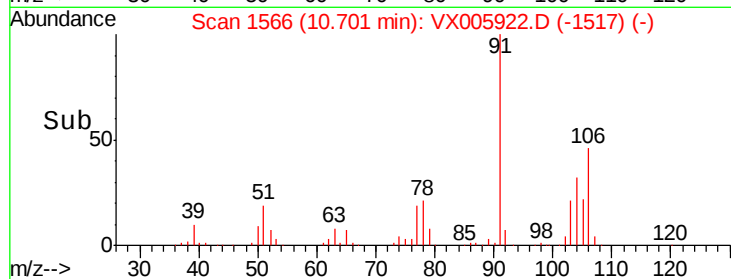
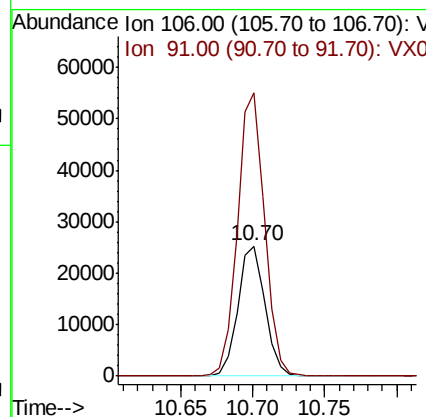
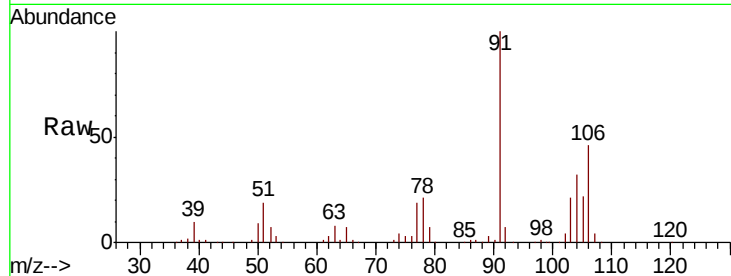
#69
o-Xylene
Concen: 22.788 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005922.D
Acq: 13 Nov 2018 01:46

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBSD02

Tot Ion:106 Resp: 33342
Ion Ratio Lower Upper
106 100
91 217.8 108.5 325.5

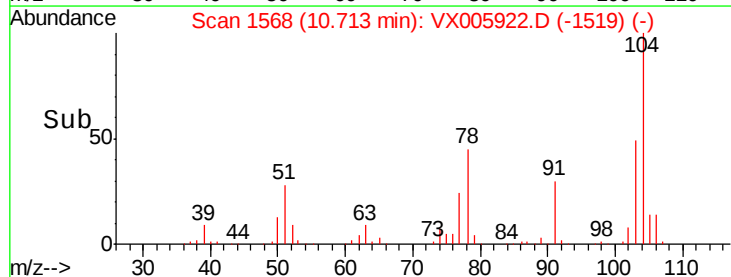
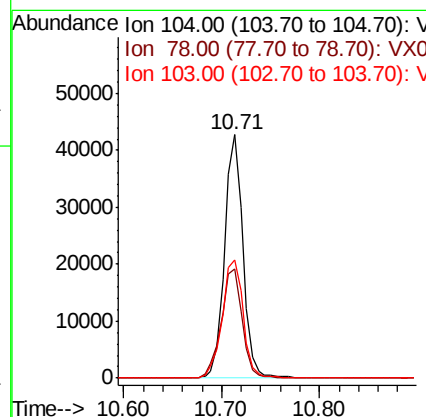
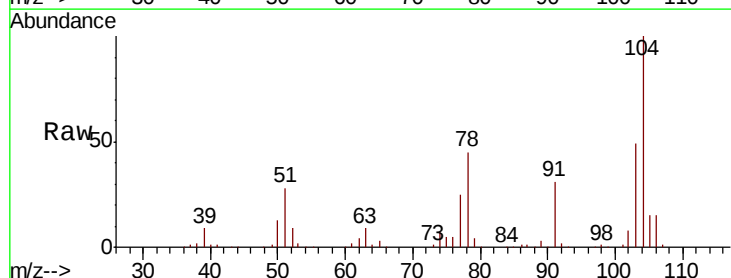
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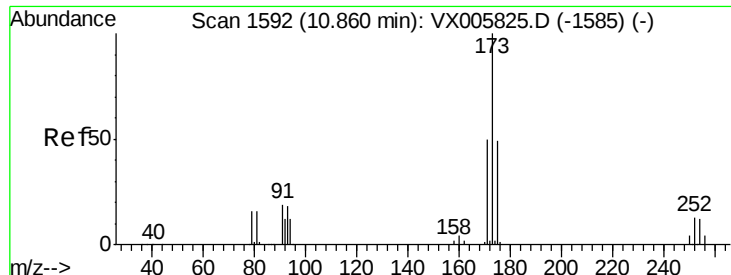
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#70
Styrene
Concen: 23.191 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005922.D
Acq: 13 Nov 2018 01:46

Tgt Ion:104 Resp: 55974
Ion Ratio Lower Upper
104 100
78 51.1 40.2 60.4
103 55.3 44.9 67.3





#71

Bromoform

Concen: 21.436 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005922.D

Acq: 13 Nov 2018 01:46

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBSD02

Tot Ion:173 Resp: 16666

Ion Ratio Lower Upper

173 100

175 48.8 24.8 74.3

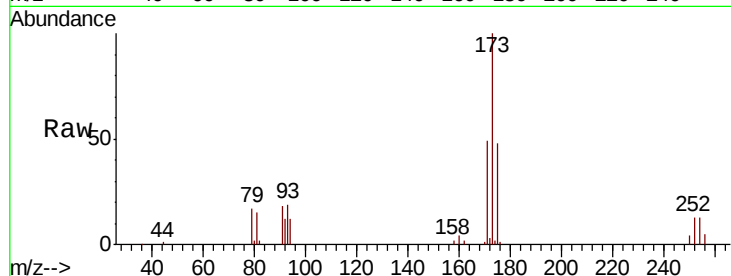
254 0.0 0.2 0.2#

Manual Integrations

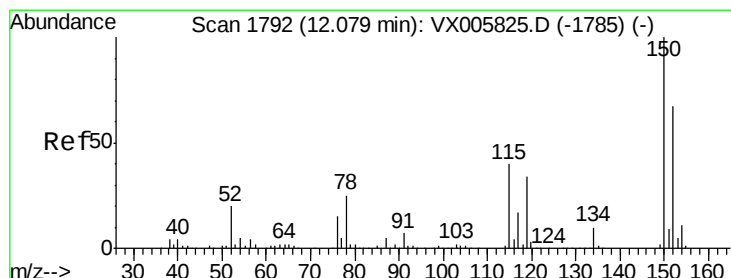
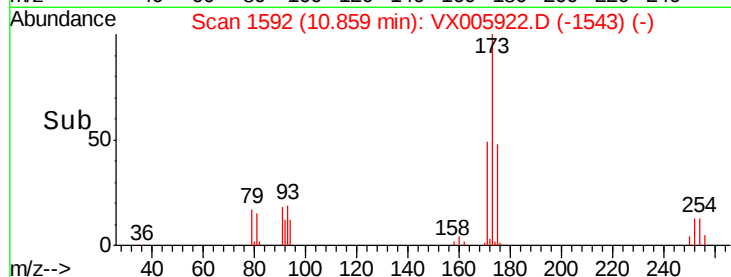
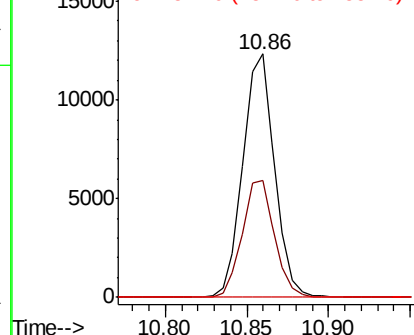
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005922.D

Acq: 13 Nov 2018 01:46

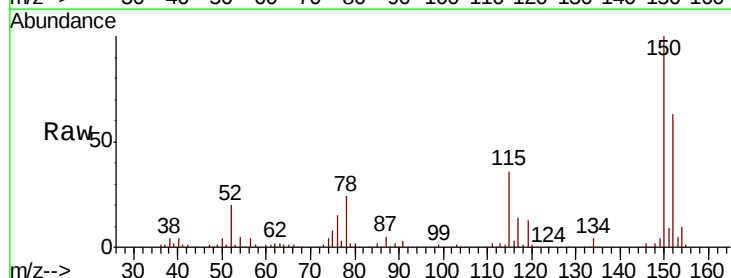
Tgt Ion:152 Resp: 72806

Ion Ratio Lower Upper

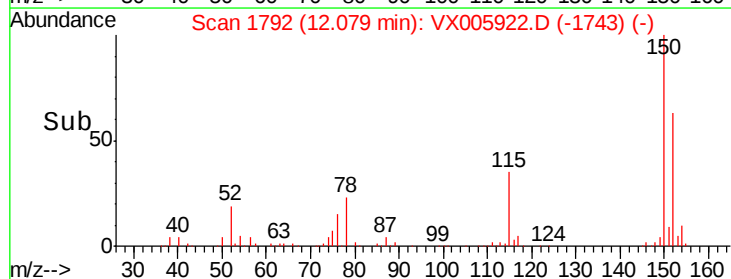
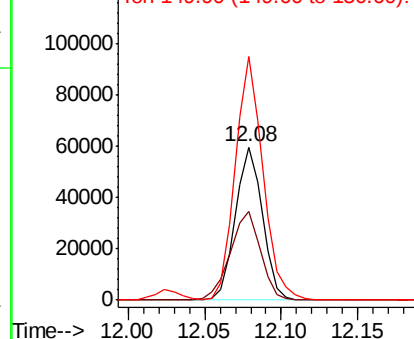
152 100

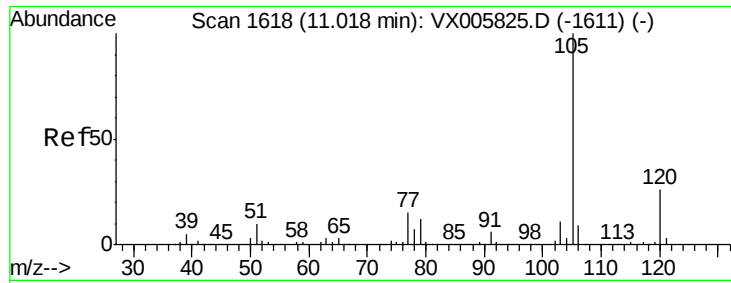
115 64.9 39.4 118.1

150 163.3 0.0 346.4



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





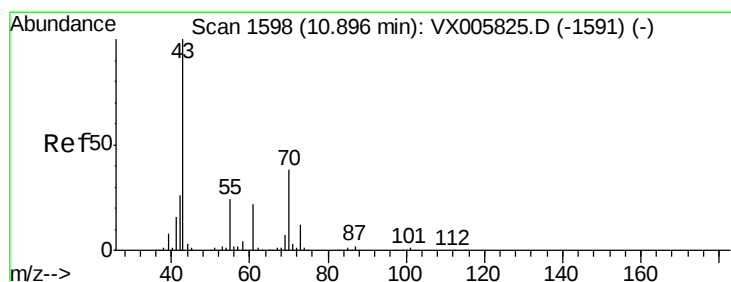
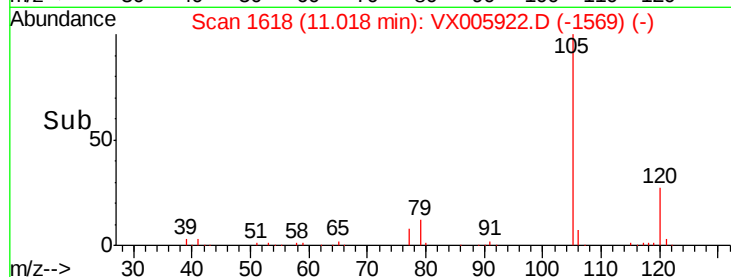
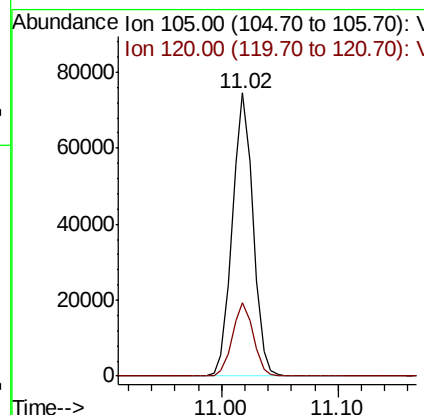
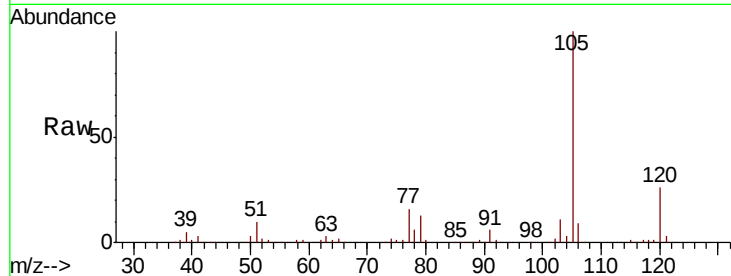
#73
Isopropylbenzene
Concen: 21.867 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX005922.D
Acq: 13 Nov 2018 01:46

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBSD02

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.1	39.3

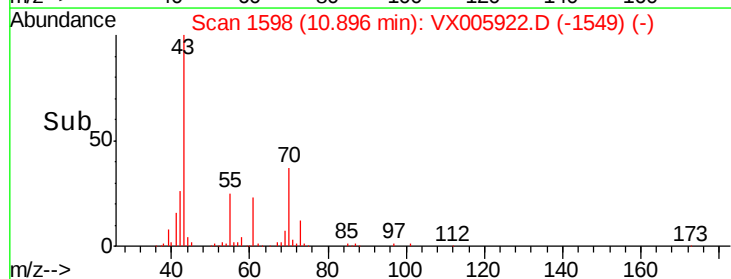
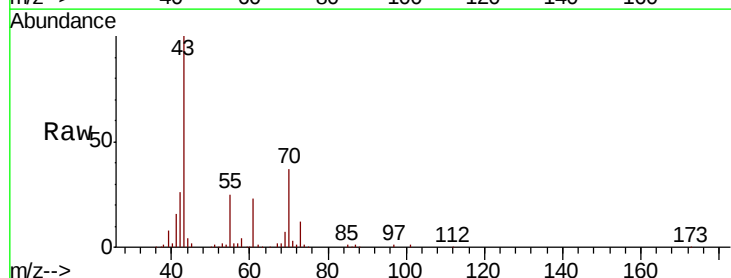
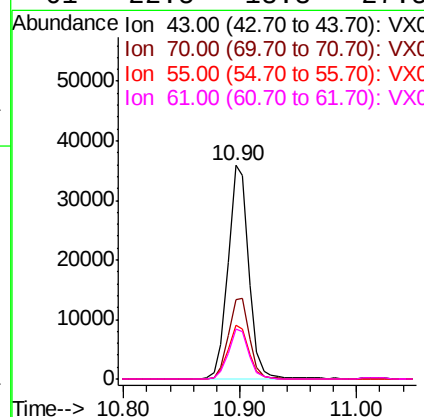
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#74
N-ethyl acetate
Concen: 19.458 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX005922.D
Acq: 13 Nov 2018 01:46

Tgt Ion	Ratio	Lower	Upper
43	100		
70	38.4	31.6	47.4
55	25.3	19.7	29.5
61	22.5	18.3	27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.536 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005922.D

Acq: 13 Nov 2018 01:46

Instrument :

MSVOA_X

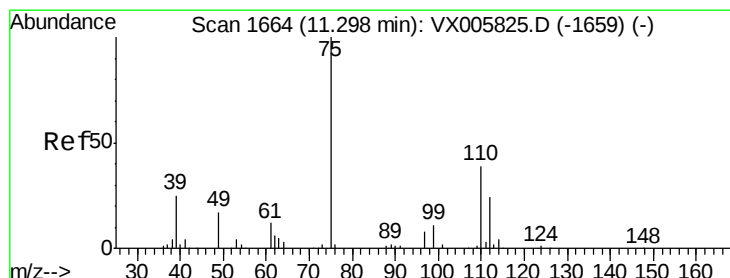
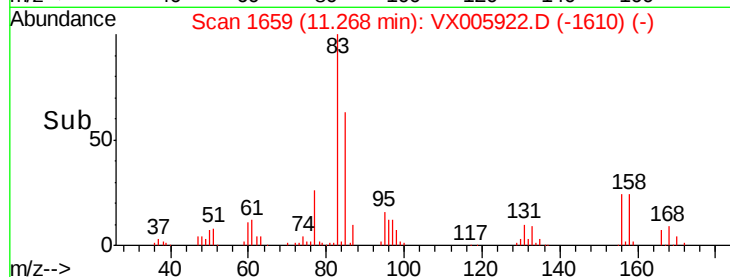
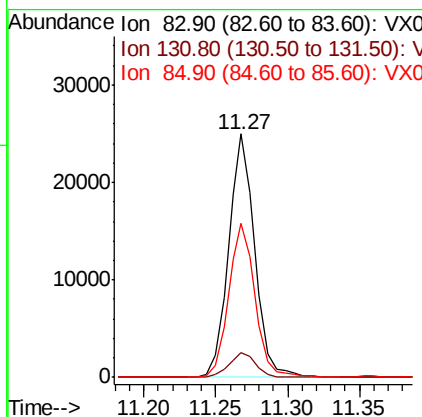
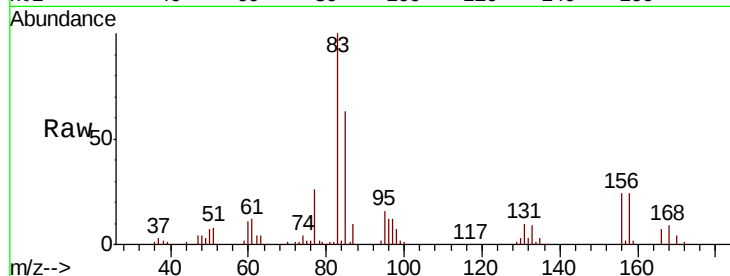
ClientSampleId :

VX1112WBSD02

Tot Ion:	83	Resp:	31736
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.3	15.9
85	63.9	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.040 ug/l m

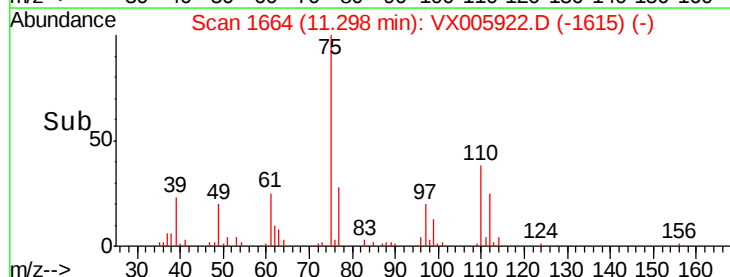
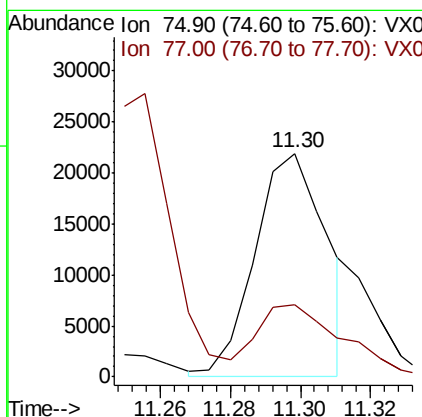
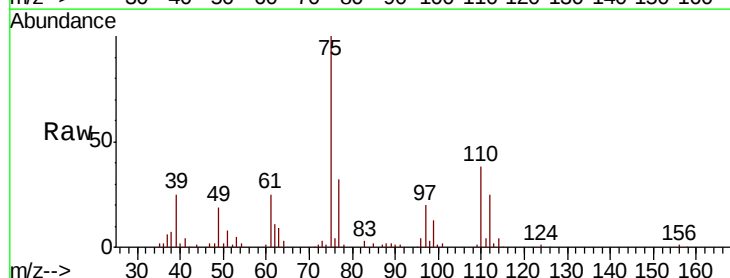
RT: 11.30 min Scan# 1664

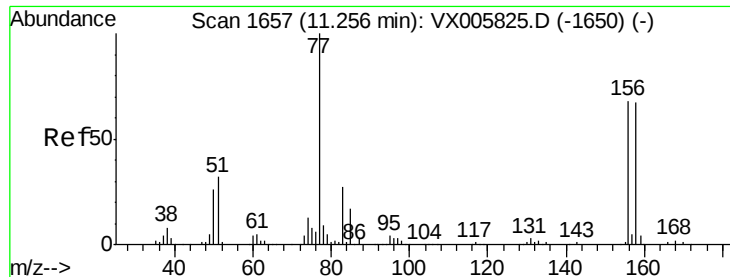
Delta R.T. -0.00 min

Lab File: VX005922.D

Acq: 13 Nov 2018 01:46

Tgt Ion:	75	Resp:	31191
Ion Ratio	Lower	Upper	
75	100		
77	38.5	20.5	61.6





#77

Bromobenzene

Concen: 21.003 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005922.D

Acq: 13 Nov 2018 01:46

Instrument :

MSVOA_X

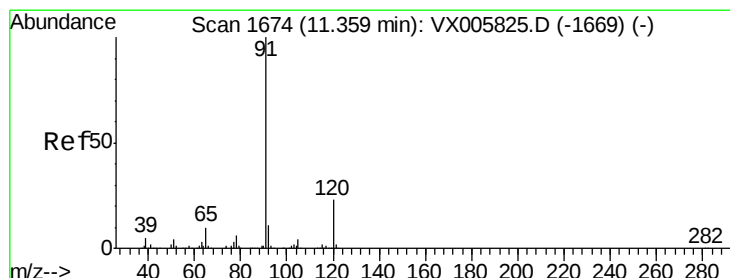
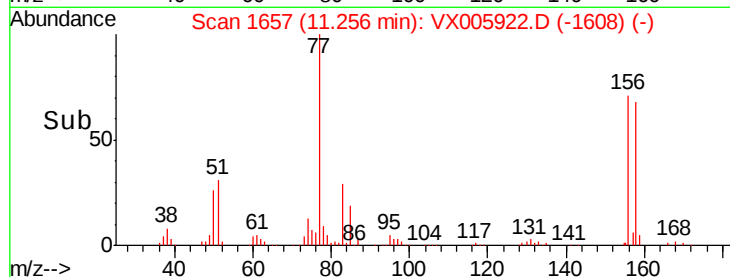
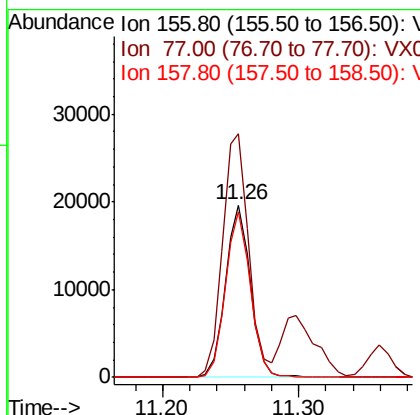
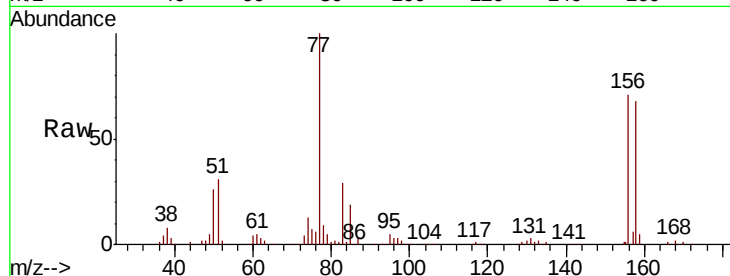
ClientSampleId :

VX1112WBSD02

Tot Ion:	156	Resp:	24924
Ion	Ratio	Lower	Upper
156	100		
77	148.2	74.8	224.4
158	96.3	49.1	147.3

Manual Integrations
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#78

n-propylbenzene

Concen: 21.441 ug/l

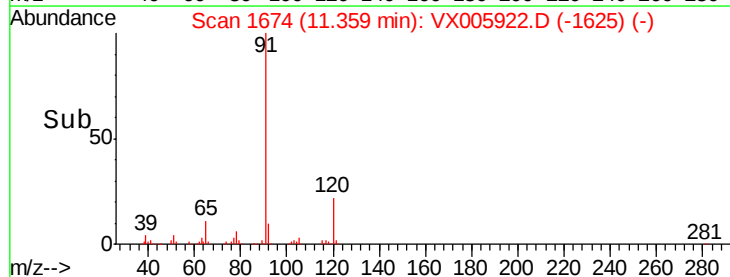
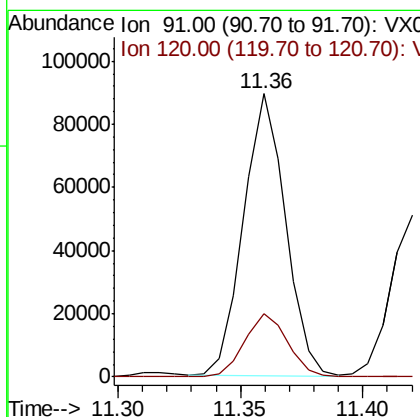
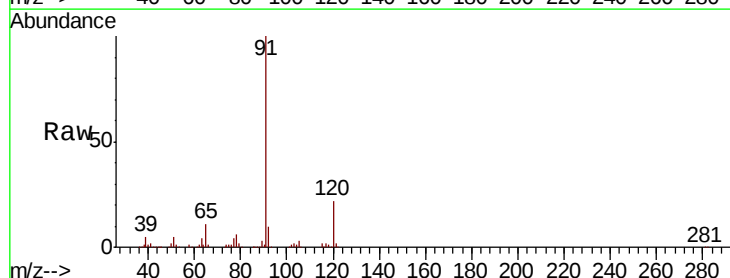
RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005922.D

Acq: 13 Nov 2018 01:46

Tgt Ion:	91	Resp:	106391
Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.9	35.5





#79

2-Chlorotoluene

Concen: 21.267 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005922.D

Acq: 13 Nov 2018 01:46

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBSD02

Tot Ion: 91 Resp: 63784

Ion Ratio Lower Upper

91 100

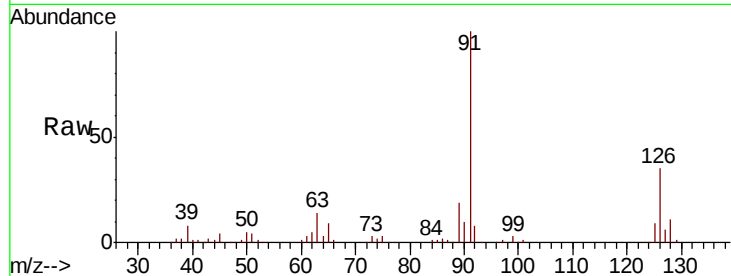
126 35.1 17.3 52.0

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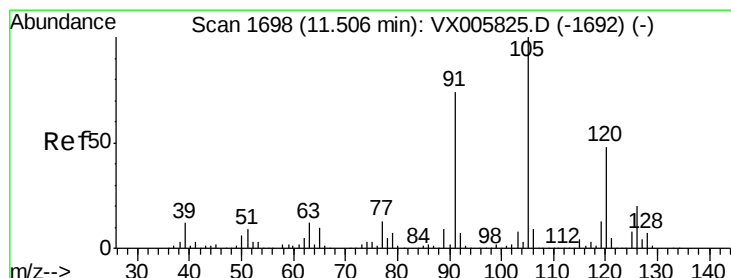
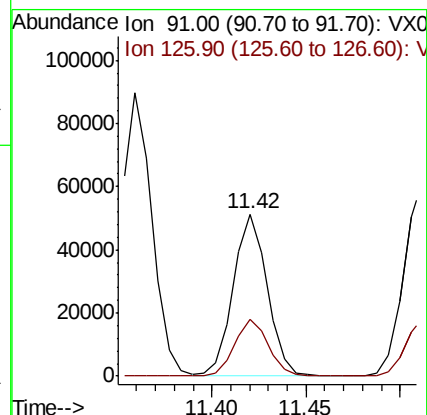
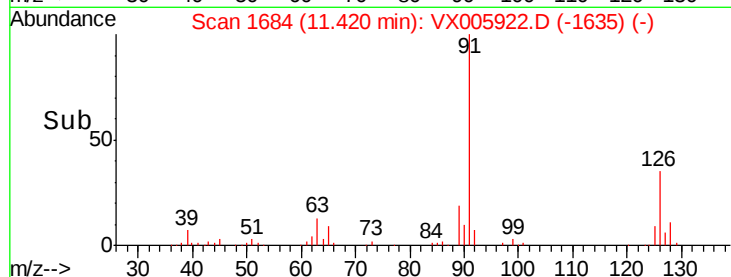
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Abundance Ion 91.00 (90.70 to 91.70): VX005825.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX005825.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.766 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005922.D

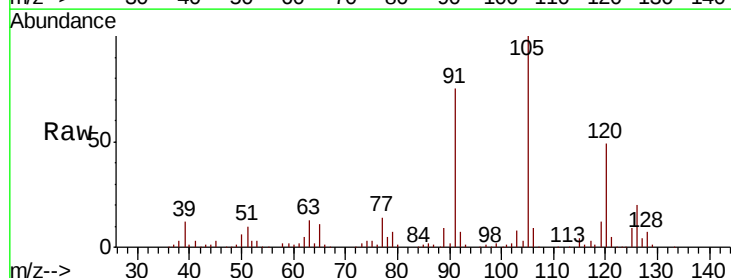
Acq: 13 Nov 2018 01:46

Tgt Ion: 105 Resp: 77877

Ion Ratio Lower Upper

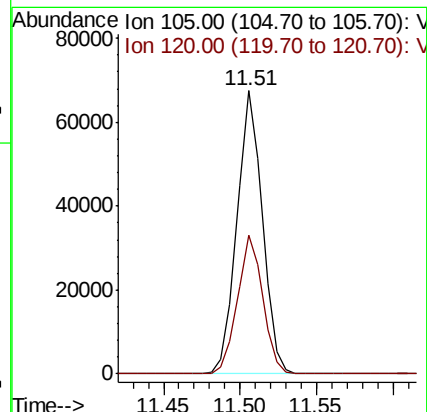
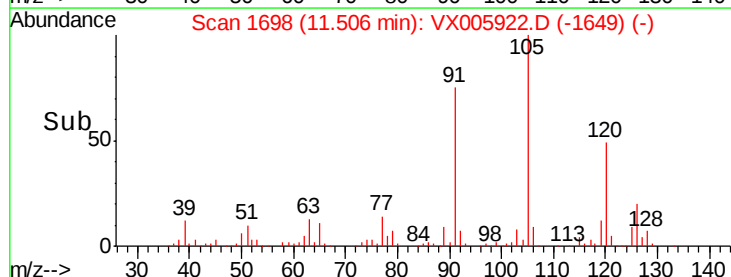
105 100

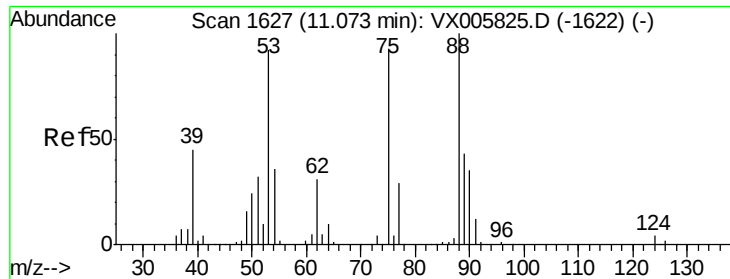
120 48.7 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VX005825.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX005825.D (-1692) (-)





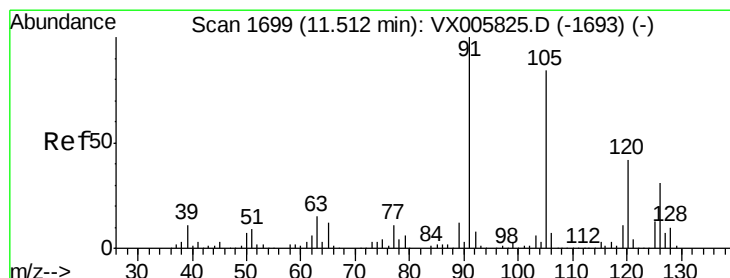
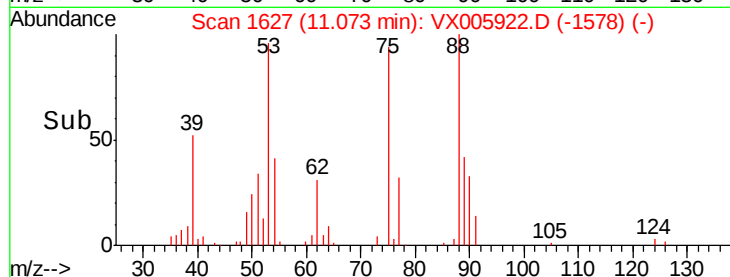
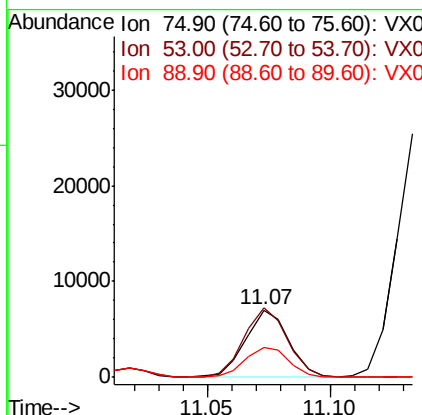
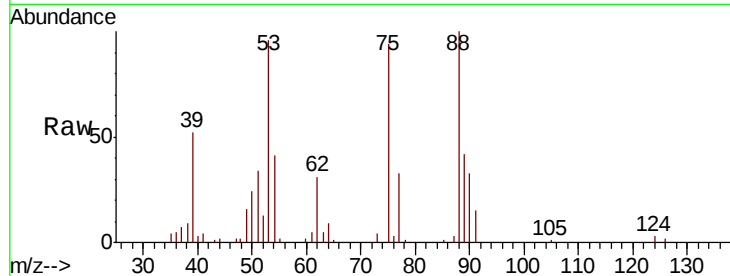
#81
trans-1,4-Dichloro-2-butene
Concen: 18.528 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX005922.D
Acq: 13 Nov 2018 01:46

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBSD02

Tot Ion: 75 Resp: 8618
Ion Ratio Lower Upper
75 100
53 104.2 80.2 120.2
89 46.0 39.8 59.8

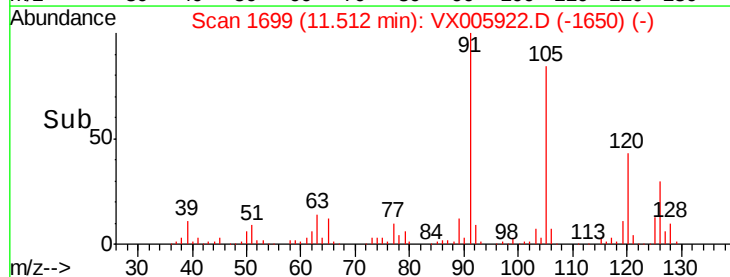
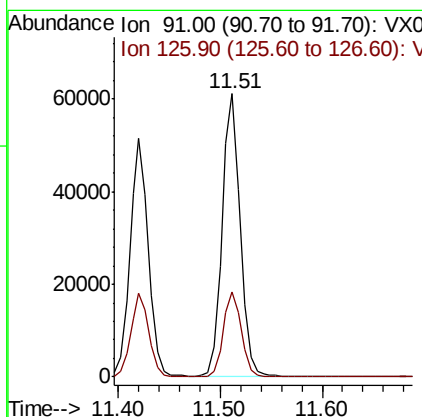
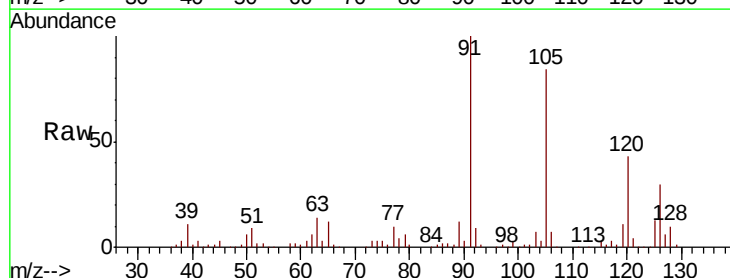
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#82
4-Chlorotoluene
Concen: 21.414 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX005922.D
Acq: 13 Nov 2018 01:46

Tgt Ion: 91 Resp: 75691
Ion Ratio Lower Upper
91 100
126 29.7 15.2 45.6





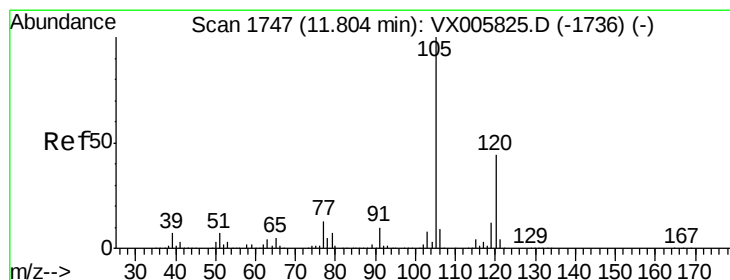
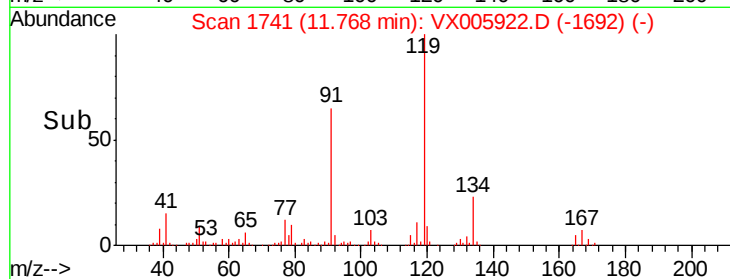
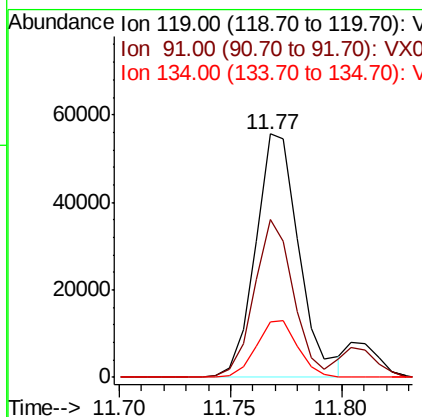
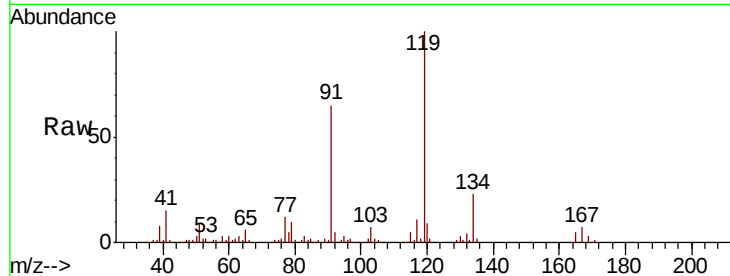
#83
tert-Butylbenzene
Concen: 20.867 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX005922.D
Acq: 13 Nov 2018 01:46

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBSD02

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.4	28.5	85.5
134	22.6	11.3	33.8

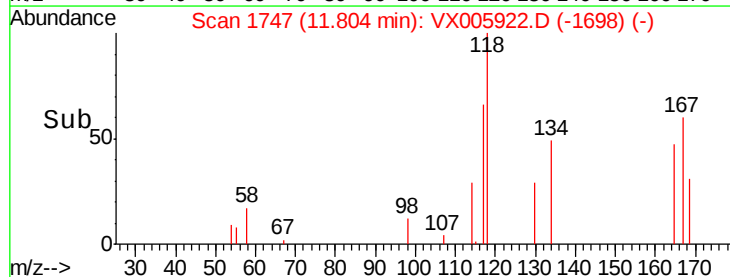
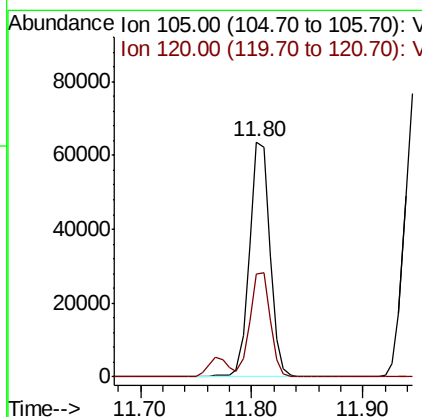
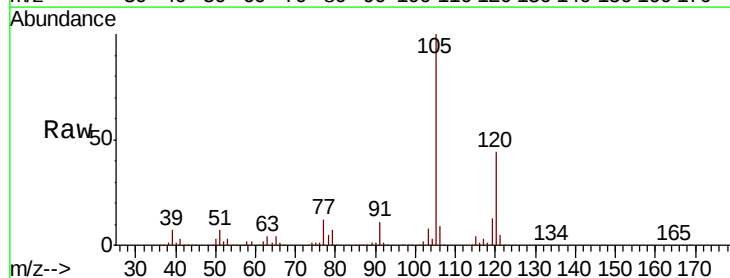
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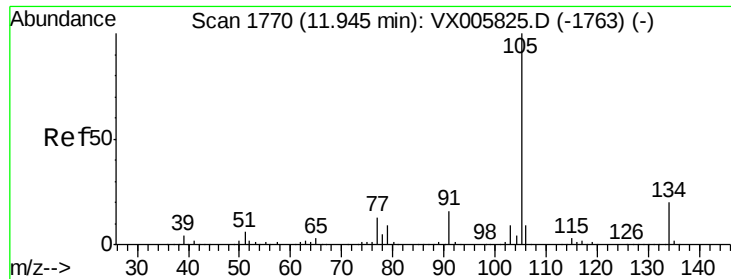
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#84
1,2,4-Trimethylbenzene
Concen: 20.510 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX005922.D
Acq: 13 Nov 2018 01:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.4	67.0





#85

sec-Butylbenzene

Concen: 21.056 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX005922.D

Acq: 13 Nov 2018 01:46

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBSD02

Tot Ion:105 Resp: 93200

Ion Ratio Lower Upper

105 100

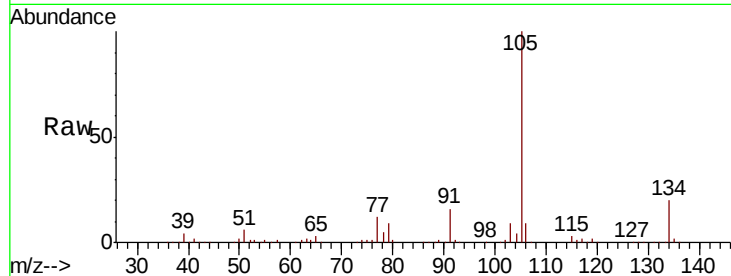
134 19.8 10.2 30.4

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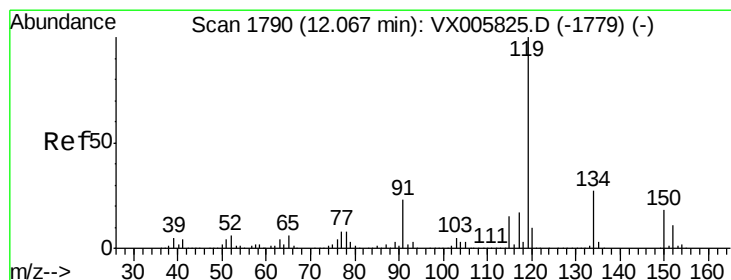
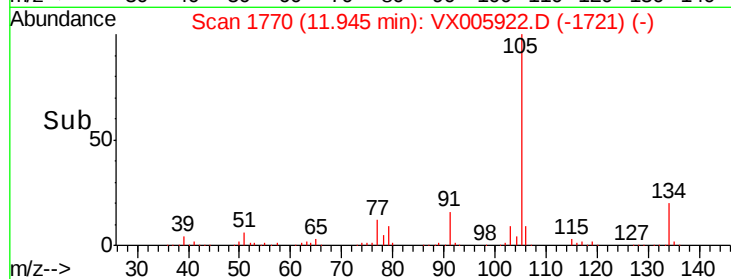
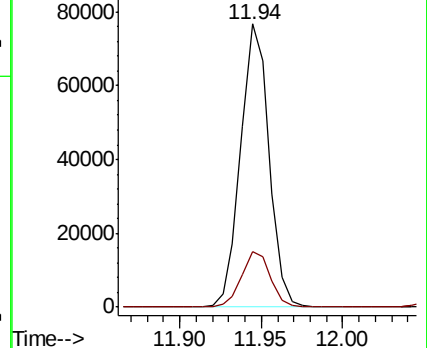
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.358 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005922.D

Acq: 13 Nov 2018 01:46

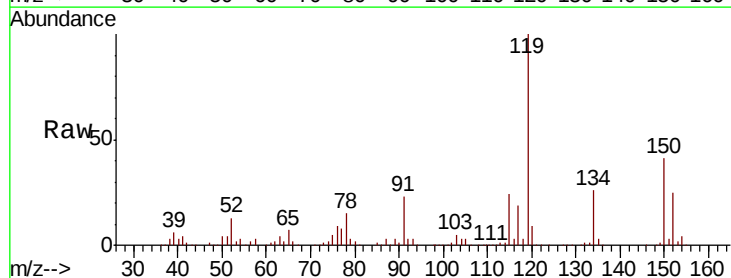
Tgt Ion:119 Resp: 83740

Ion Ratio Lower Upper

119 100

134 26.0 13.0 39.0

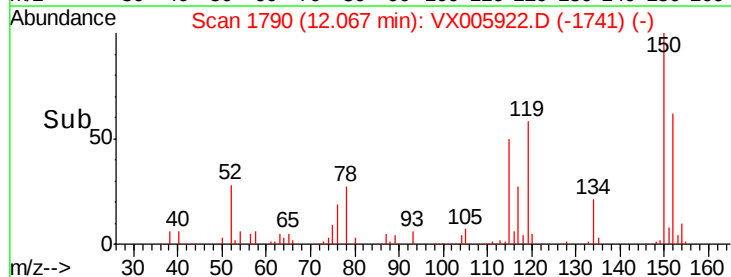
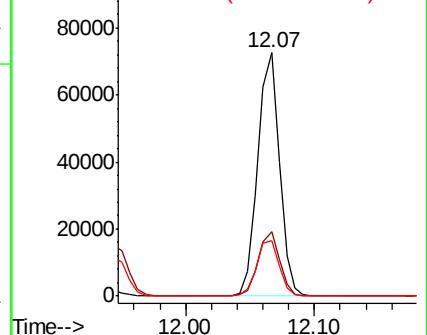
91 23.7 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





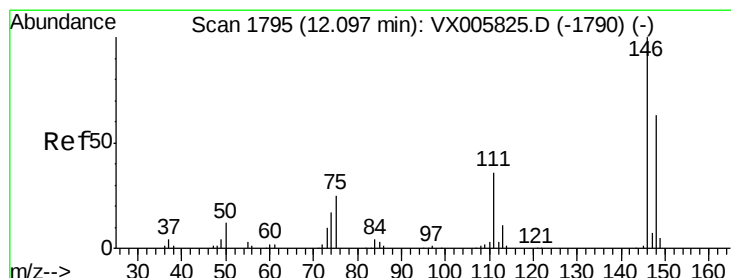
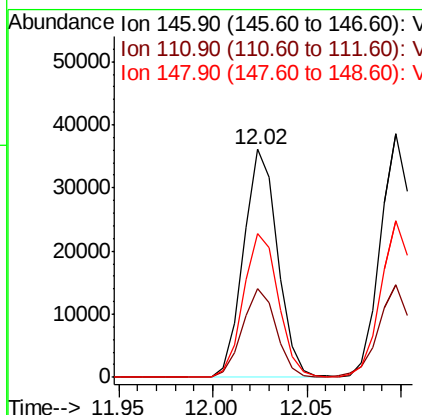
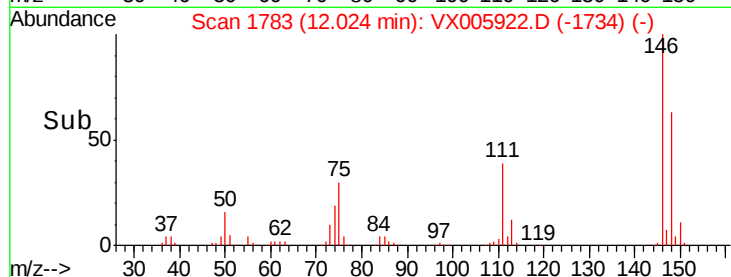
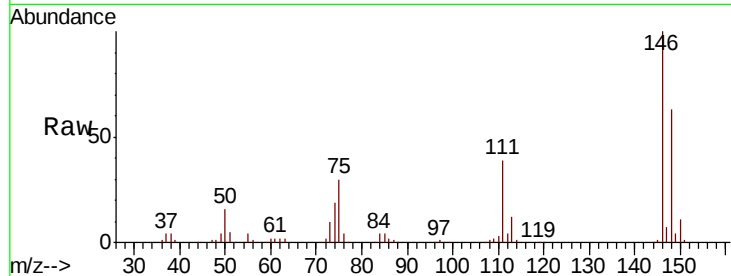
#87
 1,3-Dichlorobenzene
 Concen: 19.907 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005922.D
 Acq: 13 Nov 2018 01:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1112WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.0	57.0
148	64.4	31.9	95.9

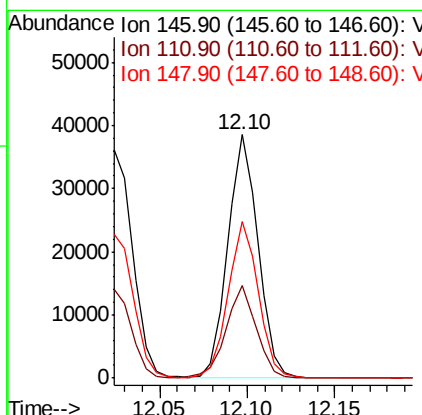
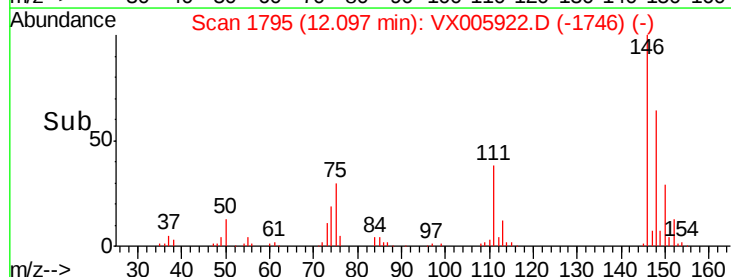
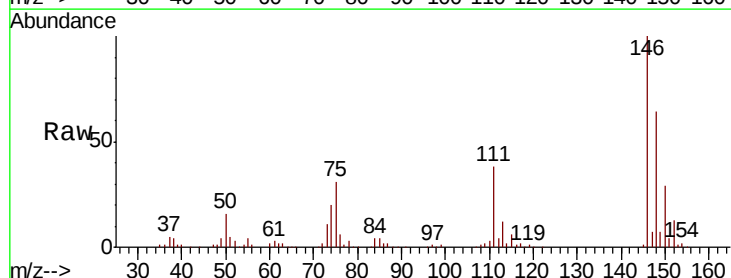
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#88
 1,4-Dichlorobenzene
 Concen: 19.880 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005922.D
 Acq: 13 Nov 2018 01:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	18.6	55.8
148	64.6	32.1	96.3





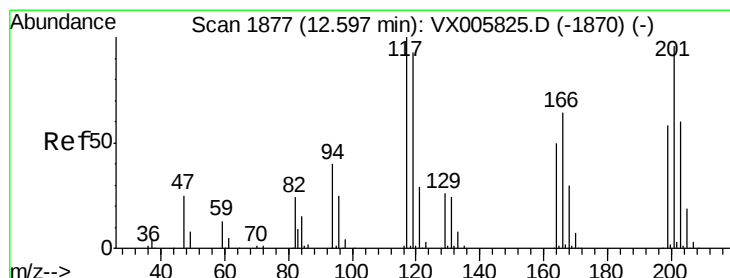
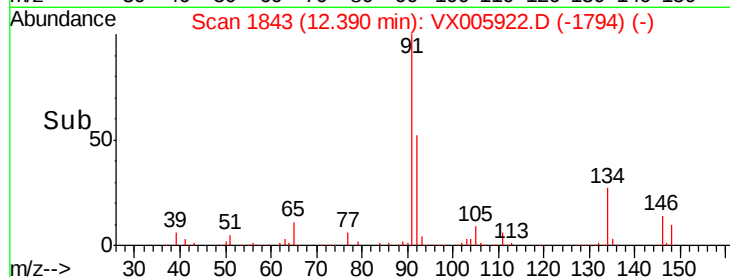
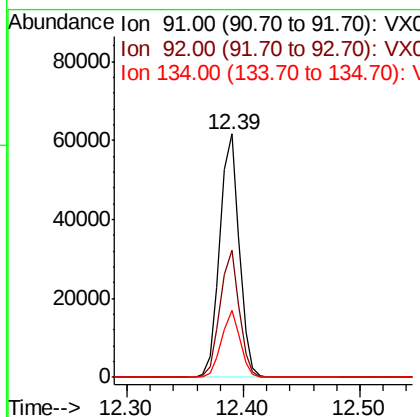
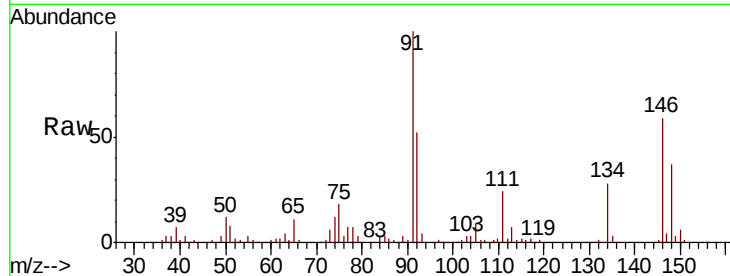
#89
n-Butylbenzene
Concen: 19.521 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005922.D
Acq: 13 Nov 2018 01:46

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		70933		
92	51.2	26.1	78.2		
134	26.3	13.1	39.3		

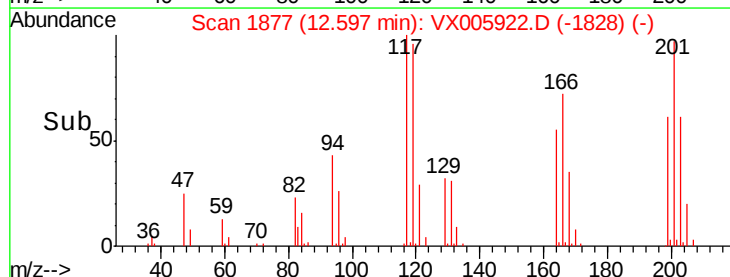
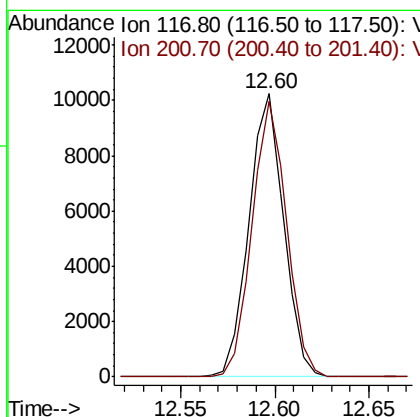
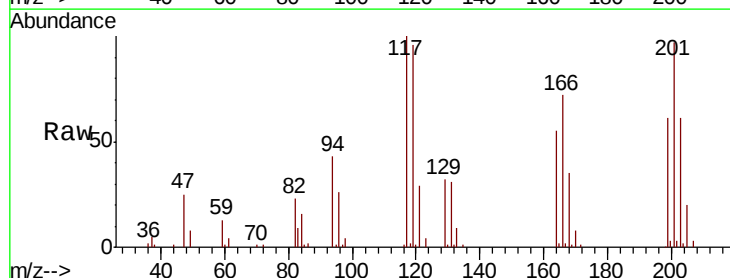
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#90
Hexachloroethane
Concen: 20.011 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005922.D
Acq: 13 Nov 2018 01:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		13099		
201	96.4	47.9	143.6		





#91

1,2-Dichlorobenzene

Concen: 19.952 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX005922.D

Acq: 13 Nov 2018 01:46

Instrument :

MSVOA_X

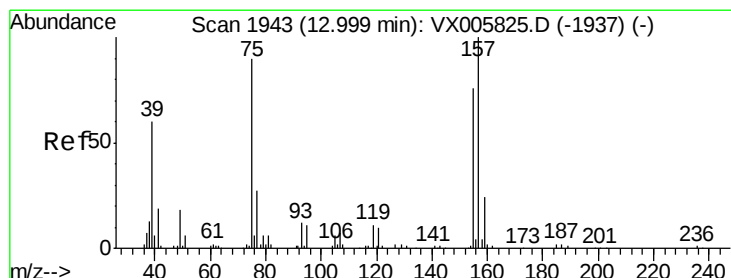
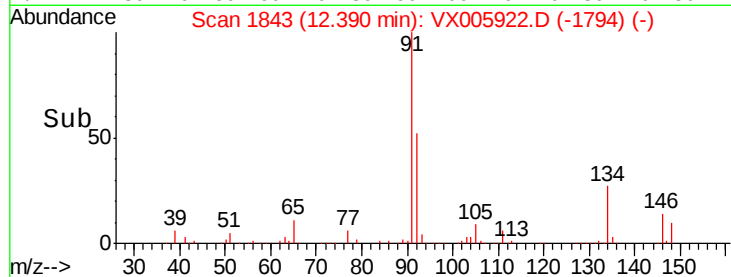
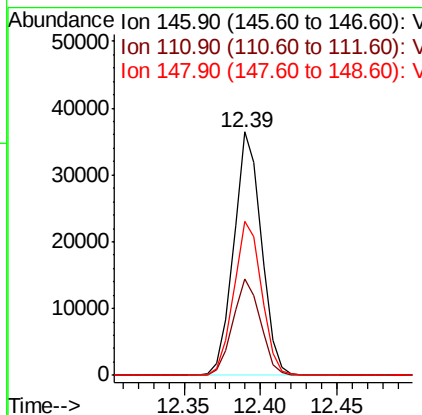
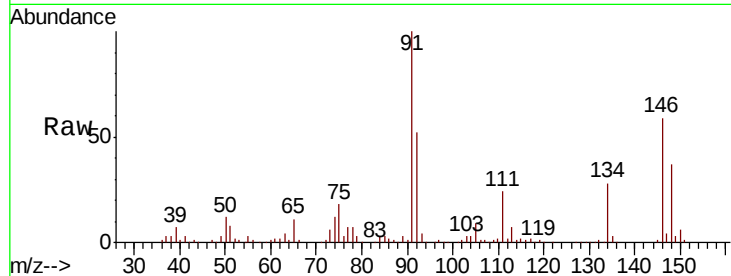
ClientSampleId :

VX1112WBSD02

Tot Ion:	146	Resp:	45520
Ion Ratio	Lower	Upper	
146	100		
111	39.5	20.0	59.9
148	63.9	32.2	96.6

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#92

1,2-Dibromo-3-Chloropropane

Concen: 21.028 ug/l

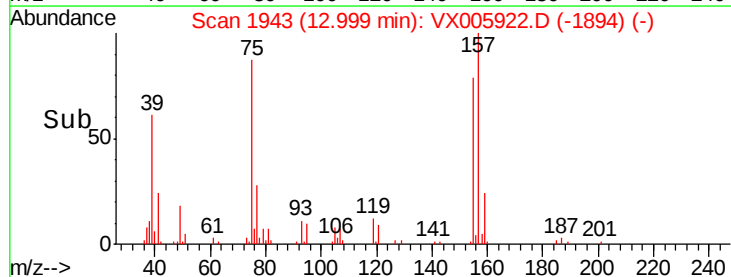
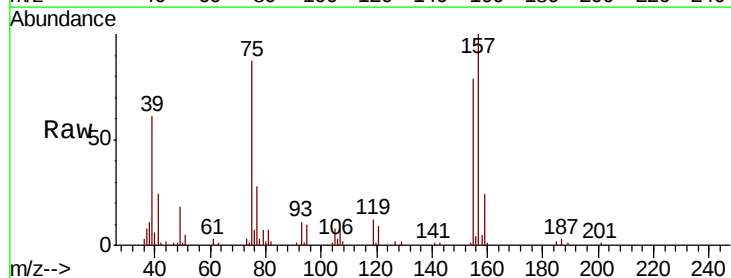
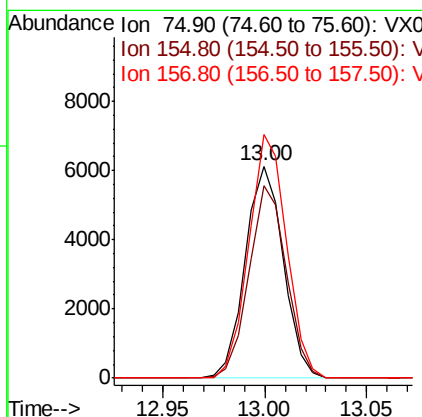
RT: 13.00 min Scan# 1943

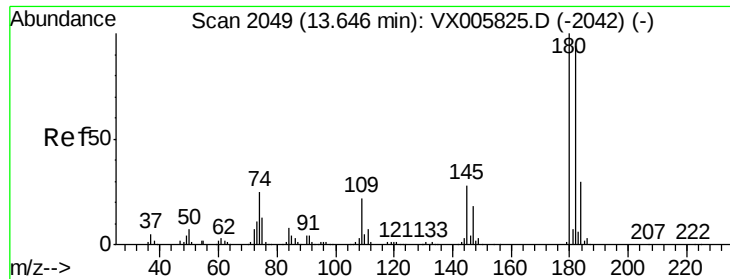
Delta R.T. -0.00 min

Lab File: VX005922.D

Acq: 13 Nov 2018 01:46

Tgt Ion:	75	Resp:	7930
Ion Ratio	Lower	Upper	
75	100		
155	89.7	45.4	136.1
157	114.0	57.4	172.0





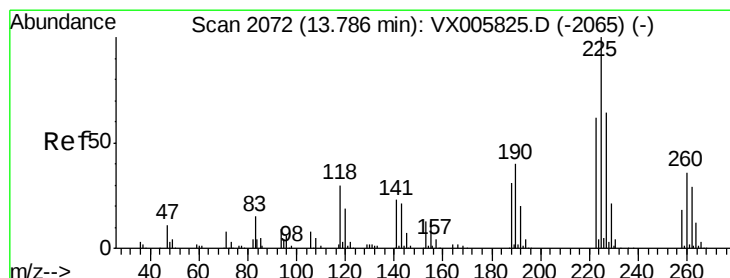
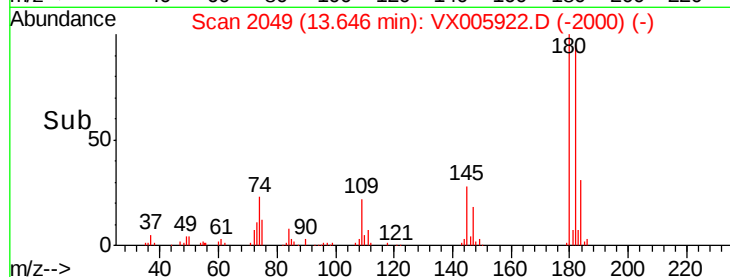
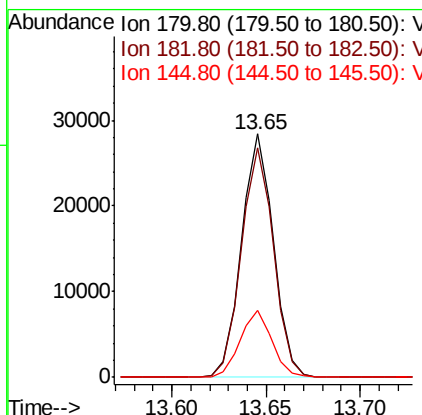
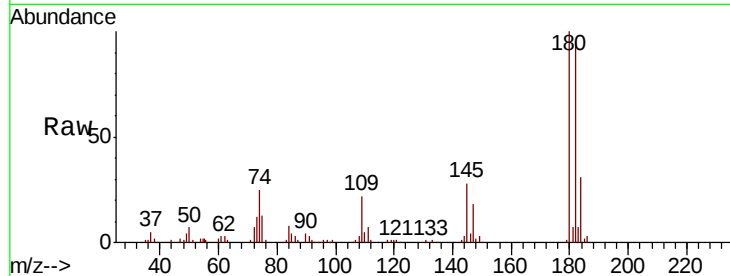
#93
 1,2,4-Trichlorobenzene
 Concen: 20.760 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005922.D
 Acq: 13 Nov 2018 01:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1112WBSD02

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.6	142.8
145	27.5	14.1	42.2

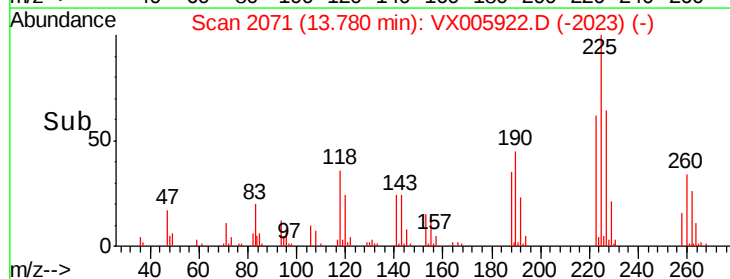
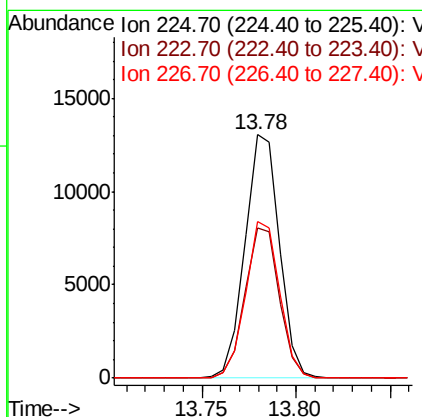
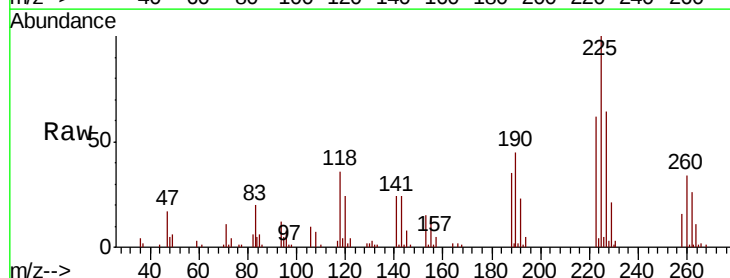
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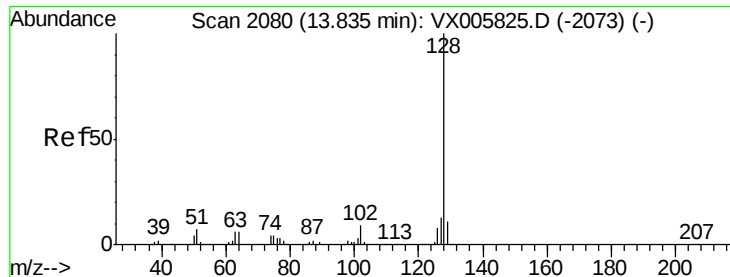
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#94
 Hexachlorobutadiene
 Concen: 19.602 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX005922.D
 Acq: 13 Nov 2018 01:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	31.7	95.1
227	63.2	32.3	96.9





#95

Naphthalene

Concen: 19.875 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005922.D

Acq: 13 Nov 2018 01:46

Instrument :

MSVOA_X

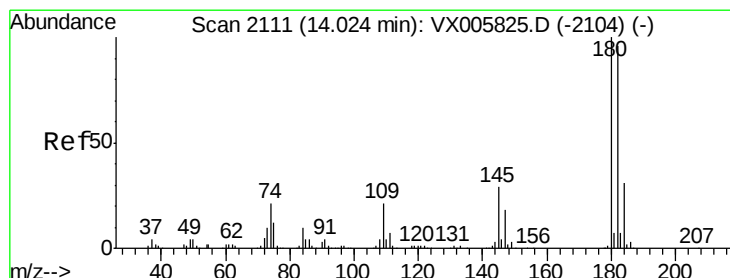
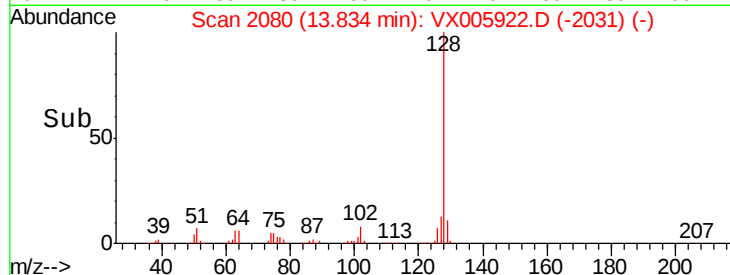
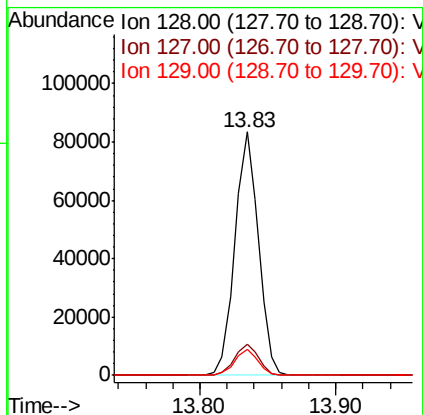
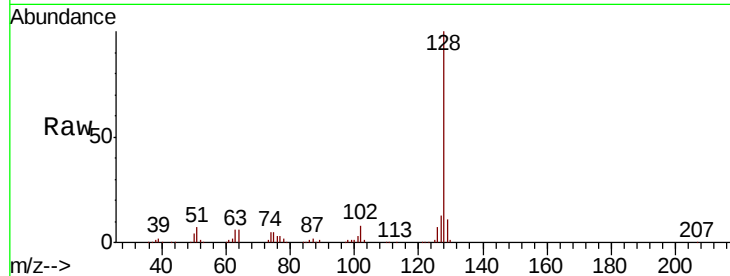
ClientSampleId :

VX1112WBSD02

Tot Ion:	128	Resp:	100301
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/13/2018 12:19:37 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.960 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.01 min

Lab File: VX005922.D

Acq: 13 Nov 2018 01:46

Tgt Ion:	180	Resp:	34296
Ion Ratio	Lower	Upper	
180	100		
182	95.8	48.0	144.2
145	30.1	15.1	45.3

