

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062718\
 Data File : VX002930.D
 Acq On : 27 Jun 2018 12:32
 Operator : JC/MD
 Sample : VX0627MBS01
 Misc : 5.00µg/10µL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627MBS01

Manual Integrations
 APPROVED

MMDadoda
 6/28/2018 4:47:52 PM

Quant Time: Jun 28 03:47:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	247790	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	331315	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	313888	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	199171	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	148657	43.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.80%	
35) Dibromofluoromethane	5.50	113	117562	44.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.62%	
50) Toluene-d8	8.72	98	431987	45.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.18%	
62) 4-Bromofluorobenzene	11.14	95	167010	45.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	38995	17.43	ug/l	98
3) Chloromethane	1.32	50	41760	17.40	ug/l	99
4) Vinyl Chloride	1.40	62	47379	16.91	ug/l	97
5) Bromomethane	1.64	94	28186	19.91	ug/l	100
6) Chloroethane	1.73	64	32735	18.58	ug/l	99
7) Trichlorofluoromethane	1.93	101	84512	17.88	ug/l	95
8) Diethyl Ether	2.19	74	29823	17.35	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	48919	17.86	ug/l	99
10) Methyl Iodide	2.51	142	38124	18.24	ug/l	99
11) Tert butyl alcohol	3.06	59	59925	87.83	ug/l	97
12) 1,1-Dichloroethene	2.38	96	41534	17.00	ug/l	94
13) Acrolein	2.29	56	46755	125.75	ug/l	100
14) Allyl chloride	2.73	41	84812	17.61	ug/l	98
15) Acrylonitrile	3.15	53	124208	85.23	ug/l	99
16) Acetone	2.44	43	133165	93.89	ug/l	97
17) Carbon Disulfide	2.57	76	106849	16.41	ug/l	98
18) Methyl Acetate	2.78	43	76383	19.26	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	153053	17.42	ug/l	99
20) Methylene Chloride	2.86	84	48828	17.69	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	45066	16.93	ug/l	97
22) Diisopropyl ether	3.87	45	166281	18.06	ug/l	98
23) Vinyl Acetate	3.82	43	684781	87.82	ug/l	99
24) 1,1-Dichloroethane	3.70	63	90045	17.99	ug/l	98
25) 2-Butanone	4.70	43	187591	89.12	ug/l	97
26) 2,2-Dichloropropane	4.59	77	72111	17.72	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	53064	17.78	ug/l	97
28) Bromochloromethane	5.02	49	45707	19.08	ug/l	94
29) Tetrahydrofuran	5.16	42	113734	84.25	ug/l	97
30) Chloroform	5.21	83	91578	17.83	ug/l	92
31) Cyclohexane	5.58	56	73578	17.13	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	80176	17.74	ug/l	99
36) 1,1-Dichloropropene	5.80	75	64764	17.83	ug/l	99
37) Ethyl Acetate	4.86	43	68805	17.59	ug/l	99
38) Carbon Tetrachloride	5.78	117	70710	17.73	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	76204	18.01	ug/l	98
40) Benzene	6.15	78	194124	18.39	ug/l	99
41) Methacrylonitrile	5.06	41	39915	17.72	ug/l	98
42) 1,2-Dichloroethane	6.20	62	77788	18.24	ug/l	100
43) Isopropyl Acetate	6.46	43	112850	17.20	ug/l	99
44) Trichloroethene	7.21	130	56569	17.97	ug/l	90
45) 1,2-Dichloropropane	7.52	63	52025	18.58	ug/l	99
46) Dibromomethane	7.67	93	35485	18.26	ug/l	99
47) Bromodichloromethane	7.90	83	65386	18.20	ug/l #	99
48) Methyl methacrylate	7.78	41	59127	17.49	ug/l	98
49) 1,4-Dioxane	7.76	88	23318	354.53	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	368272	89.72	ug/l	100
52) Toluene	8.79	92	124664	18.43	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	74375	18.28	ug/l	99
54) cis-1,3-Dichloropropene	9.04	75	67990	17.37	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	51871	18.67	ug/l	96
56) Ethyl methacrylate	9.18	69	70698	17.41	ug/l	97
57) 1,3-Dichloropropane	9.37	76	83162	18.22	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	117383	59.91	ug/l	99
59) 2-Hexanone	9.50	43	284337	91.14	ug/l	99
60) Dibromochloromethane	9.59	129	51403	17.57	ug/l	99
61) 1,2-Dibromoethane	9.68	107	53335	18.30	ug/l	100
64) Tetrachloroethene	9.34	164	63322	18.14	ug/l	97
65) Chlorobenzene	10.14	112	146868	18.42	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	52932	18.28	ug/l	99
67) Ethyl Benzene	10.26	91	243329	18.48	ug/l	99
68) m/p-Xylenes	10.36	106	190786	37.59	ug/l	99
69) o-Xylene	10.70	106	91395	18.49	ug/l	99
70) Styrene	10.71	104	148826	18.53	ug/l	98
71) Bromoform	10.86	173	39032	17.65	ug/l #	100
73) Isopropylbenzene	11.02	105	252638	18.86	ug/l	100
74) N-amyl acetate	6.46	43	112850	17.21	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	74661	18.09	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	66875m	18.54	ug/l	
77) Bromobenzene	11.26	156	69204	18.14	ug/l	99
78) n-propylbenzene	11.37	91	293688	19.26	ug/l	99
79) 2-Chlorotoluene	11.42	91	171606	18.58	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	214899	19.04	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	17769	16.69	ug/l	88
82) 4-Chlorotoluene	11.51	91	205914	18.84	ug/l	99
83) tert-Butylbenzene	11.77	119	210785	18.95	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	221691	18.96	ug/l	98
85) sec-Butylbenzene	11.95	105	258864	19.19	ug/l	100
86) p-Isopropyltoluene	12.07	119	231448	19.08	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	130009	18.66	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	130014	18.13	ug/l	99
89) n-Butylbenzene	12.39	91	200149	18.96	ug/l	99
90) Hexachloroethane	12.60	117	32121	17.80	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	129274	18.38	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	15473	16.68	ug/l	98

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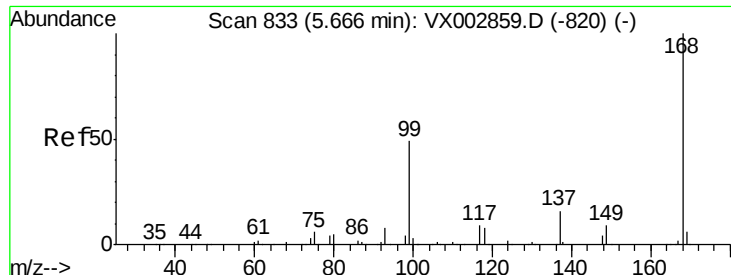
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	94674	18.49	ug/l	99
94) Hexachlorobutadiene	13.79	225	47705	18.68	ug/l	98
95) Naphthalene	13.84	128	246451	18.08	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	95894	18.75	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

VX0627MBS01

Tot Ion:168 Resp: 247790

Ion Ratio Lower Upper

168 100

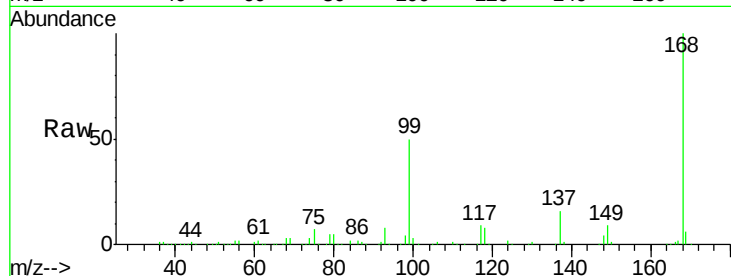
99 50.0 39.3 58.9

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

80000

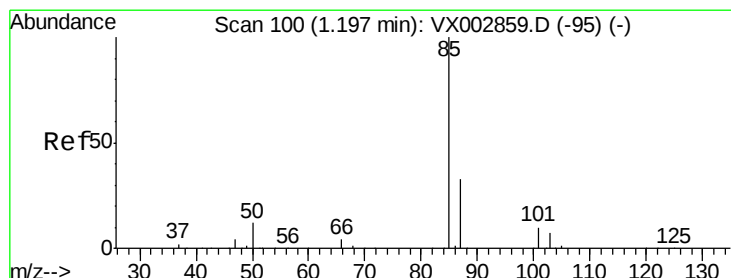
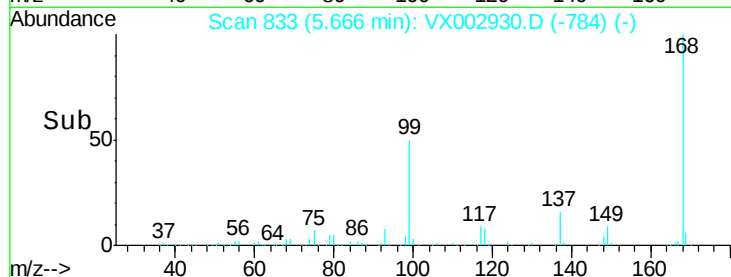
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 17.43 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002930.D

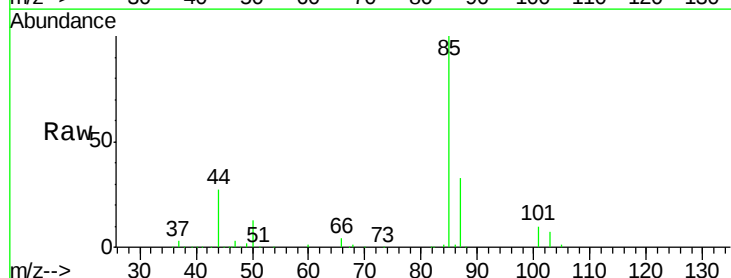
Acq: 27 Jun 2018 12:32

Tgt Ion: 85 Resp: 38995

Ion Ratio Lower Upper

85 100

87 32.8 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

40000

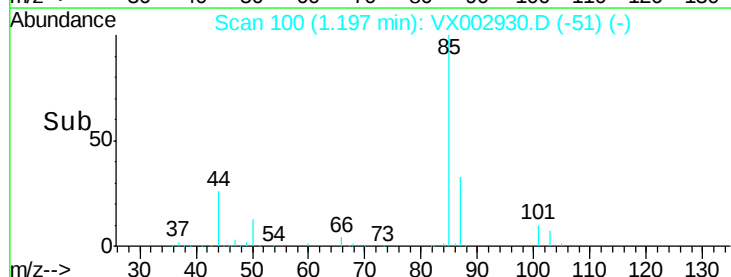
30000

20000

10000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 17.40 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

VX0627MBS01

Tot Ion: 50 Resp: 41760

Ion Ratio Lower Upper

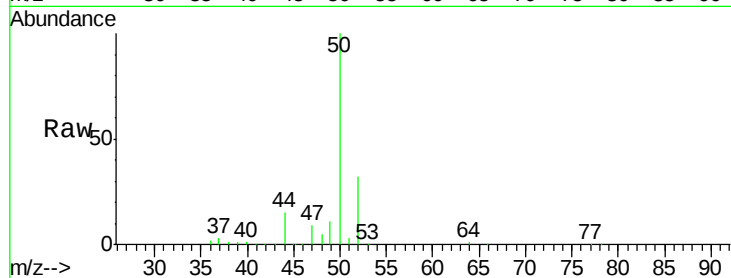
50 100

52 32.5 25.7 38.5

Manual Integrations
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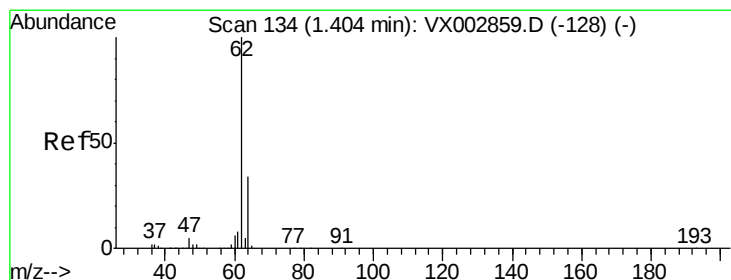
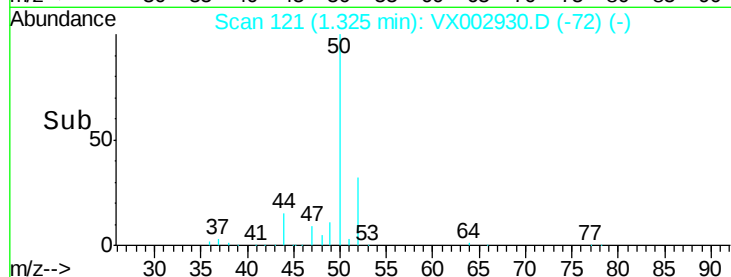
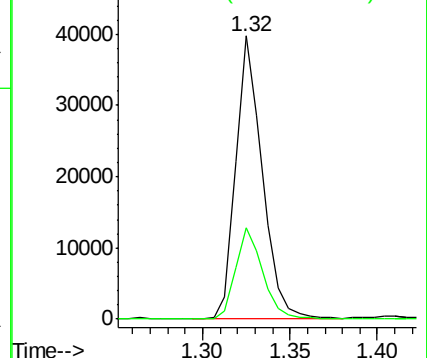
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 16.91 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX002930.D

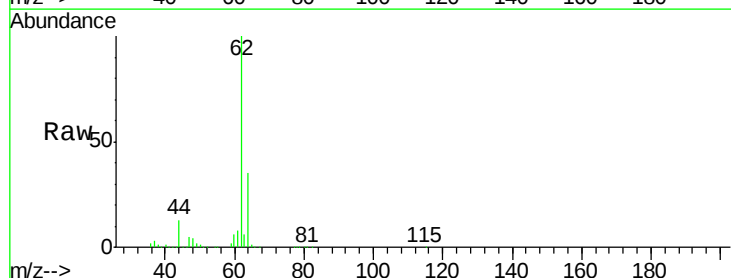
Acq: 27 Jun 2018 12:32

Tgt Ion: 62 Resp: 47379

Ion Ratio Lower Upper

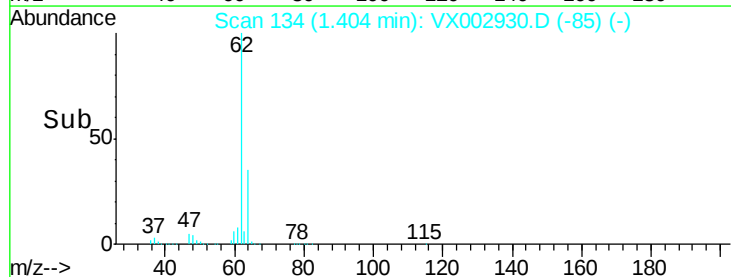
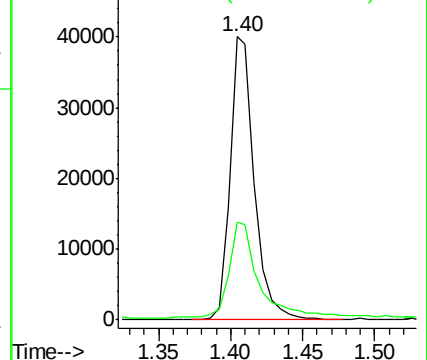
62 100

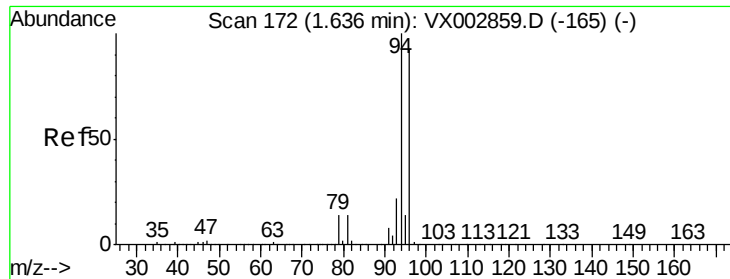
64 33.4 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 19.91 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

VX0627MBS01

Tot Ion: 94 Resp: 28186

Ion Ratio Lower Upper

94 100

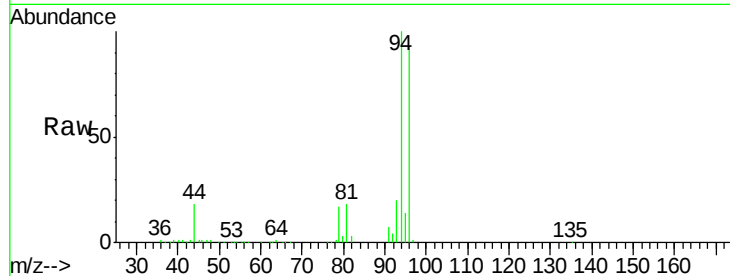
96 93.4 74.9 112.3

Manual Integrations

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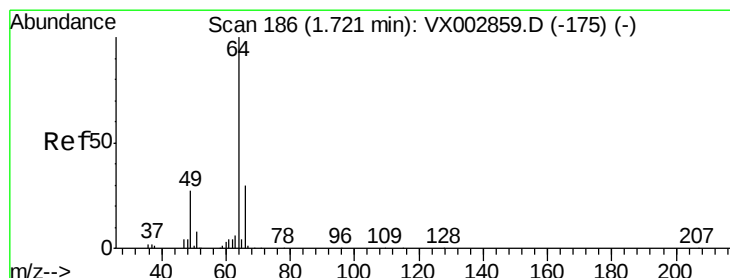
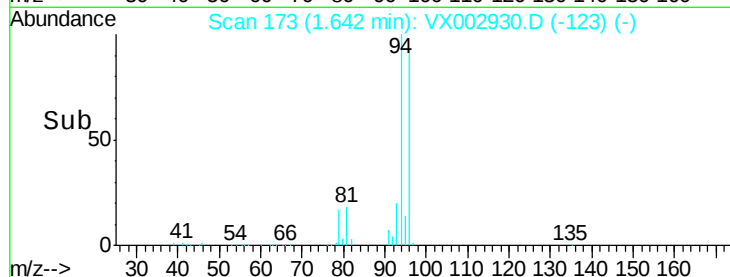
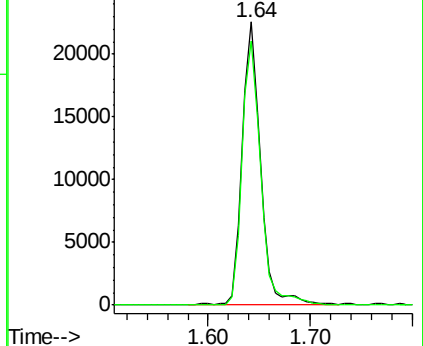
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 18.58 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX002930.D

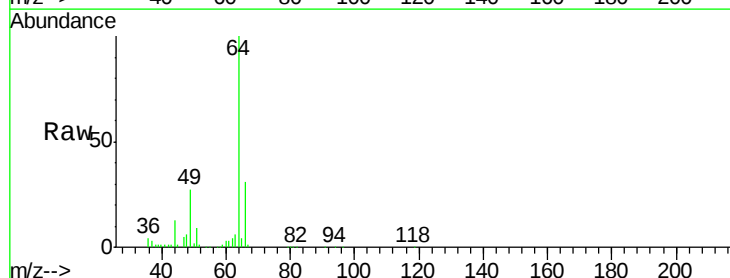
Acq: 27 Jun 2018 12:32

Tgt Ion: 64 Resp: 32735

Ion Ratio Lower Upper

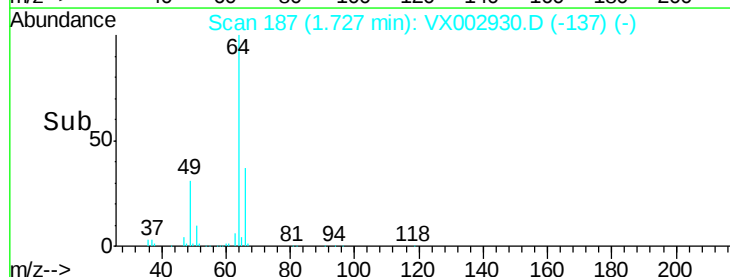
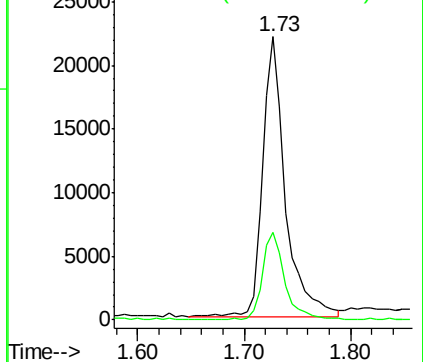
64 100

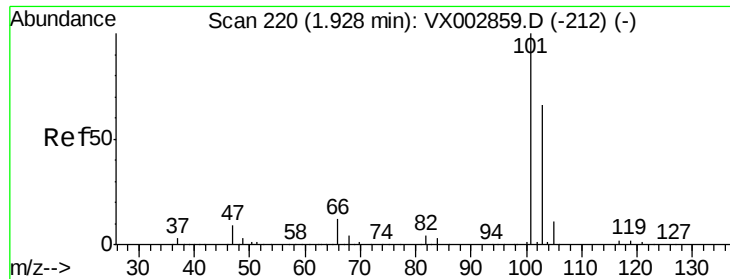
66 31.4 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

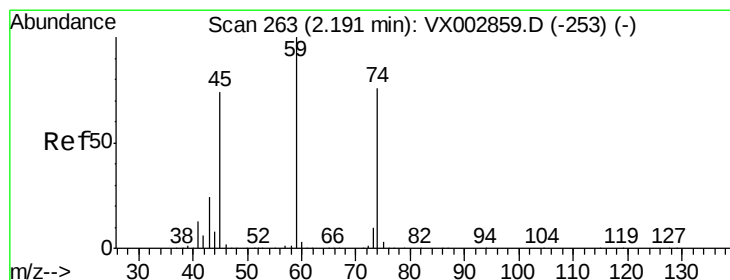
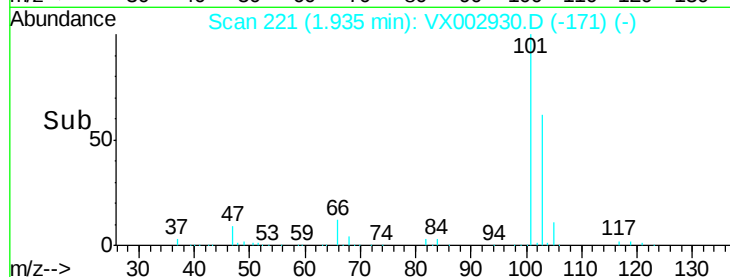
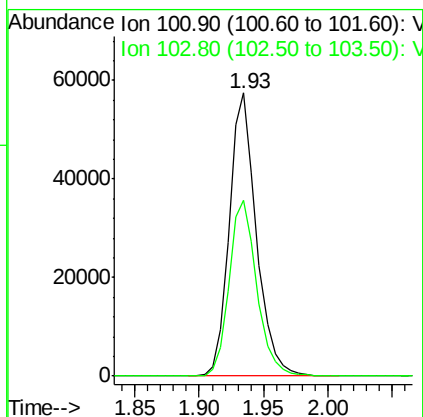
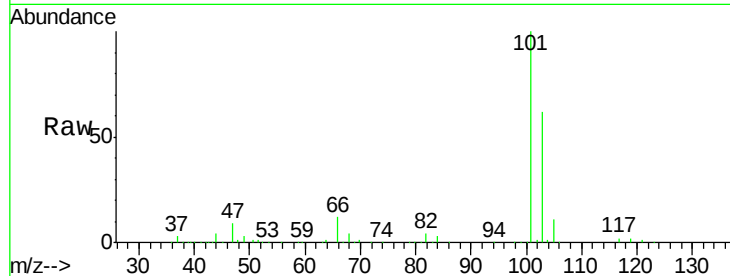
Trichlorofluoromethane
 Concen: 17.88 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. 0.01 min
 Lab File: VX002930.D
 Acq: 27 Jun 2018 12:32

Instrument :
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 VX0627MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.1	52.8	79.2

Manual Integrations
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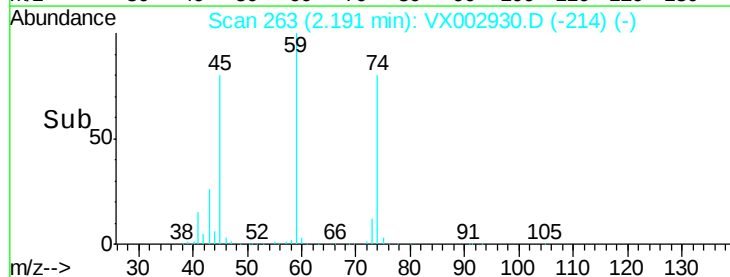
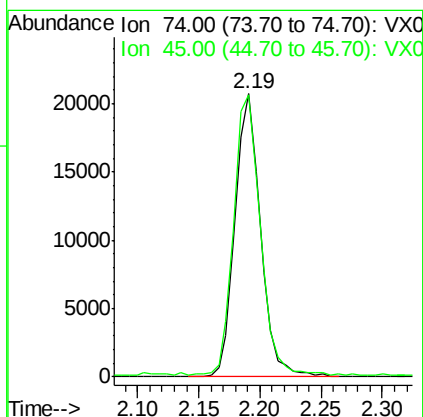
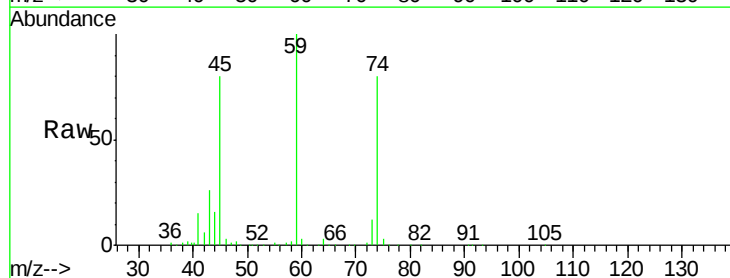
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 6/28/2018 4:47:52 PM



#8

Diethyl Ether
 Concen: 17.35 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VX002930.D
 Acq: 27 Jun 2018 12:32

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.2	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.86 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Instrument :

MSVOA_X

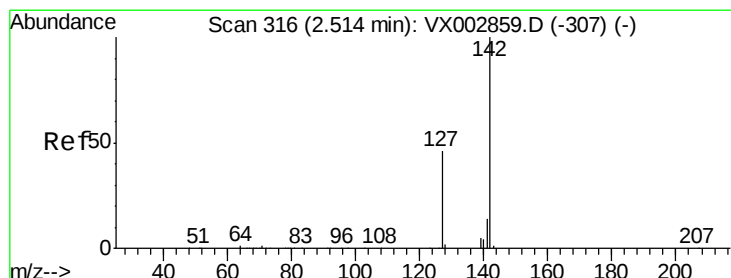
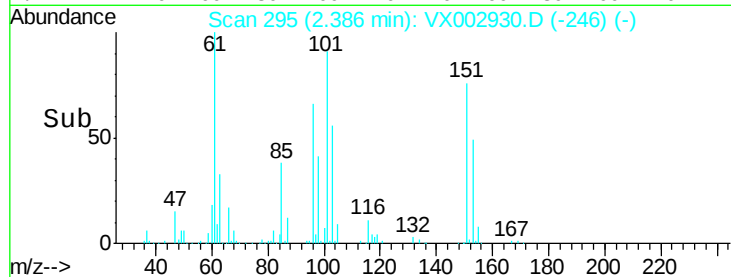
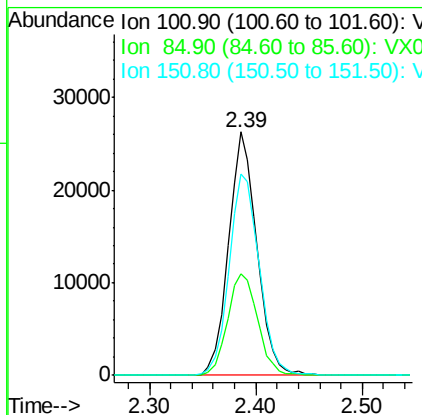
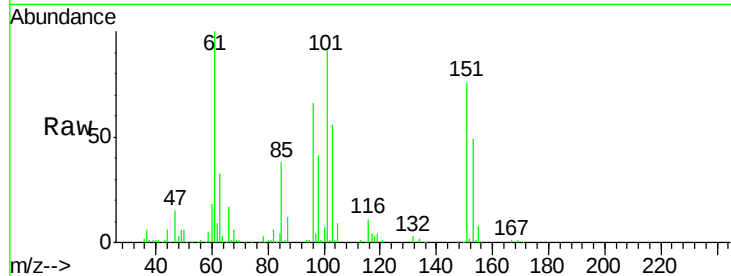
ClientSampleId :

VX0627MBS01

Tot Ion:	101	Resp:	48919
Ion Ratio	Lower	Upper	
101	100		
85	44.4	36.0	54.0
151	88.1	70.9	106.3

Manual Integrations
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#10

Methyl Iodide

Concen: 18.24 ug/l

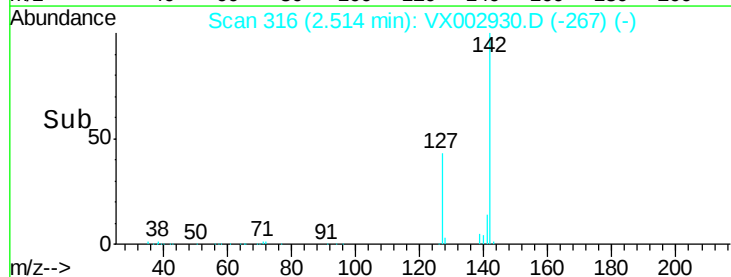
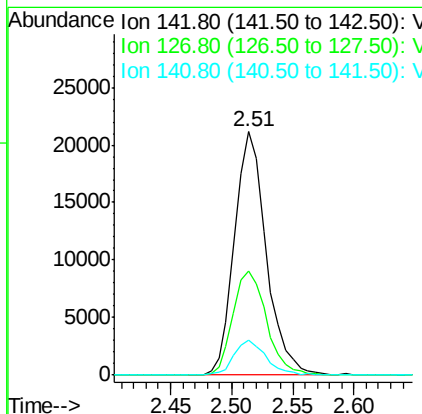
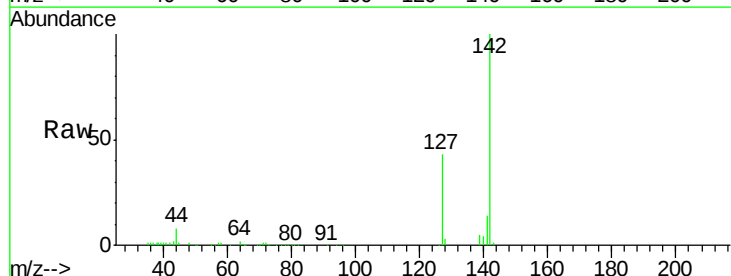
RT: 2.51 min Scan# 316

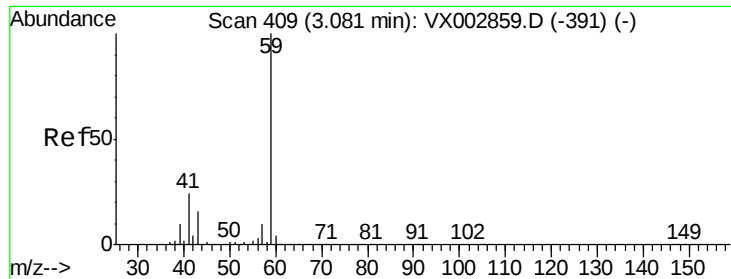
Delta R.T. 0.00 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Tgt Ion:	142	Resp:	38124
Ion Ratio	Lower	Upper	
142	100		
127	45.0	36.6	55.0
141	14.5	11.3	16.9





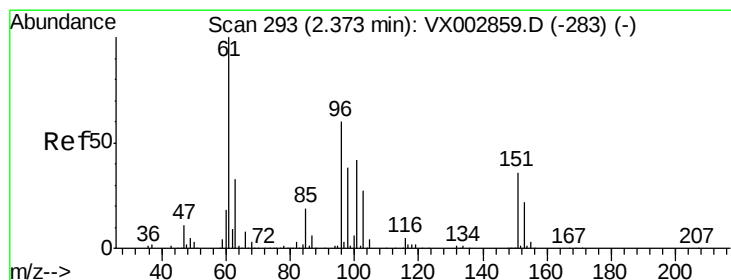
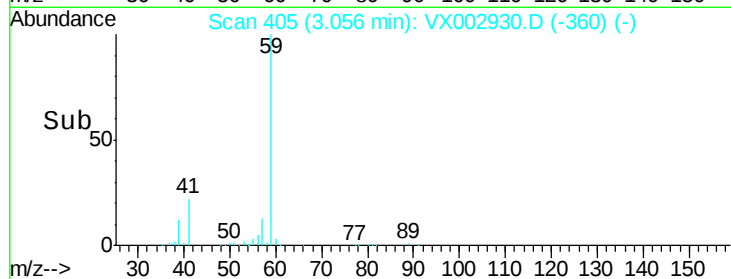
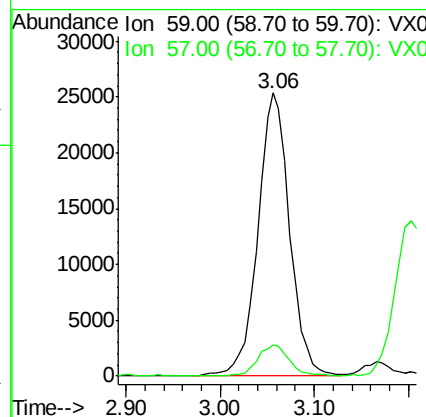
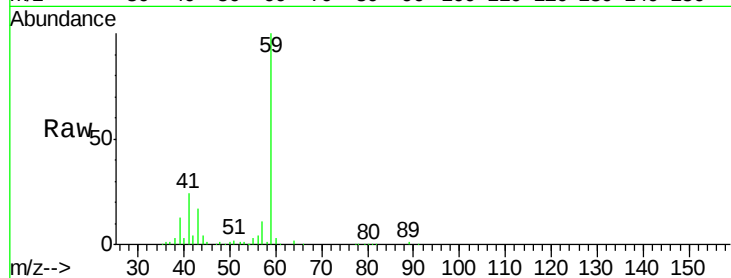
#11
Tert butyl alcohol
Concen: 87.83 ug/l
RT: 3.06 min Scan# 405
Delta R.T. -0.02 min
Lab File: VX002930.D
Acq: 27 Jun 2018 12:32

Instrument :
MSVOA_X
ClientSampleId :
VX0627MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.2	8.2	12.2

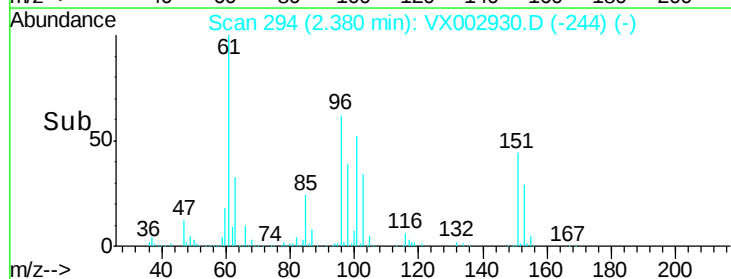
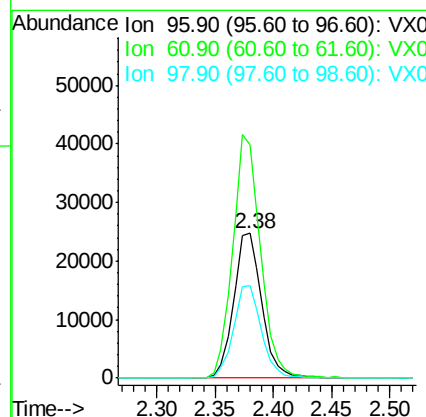
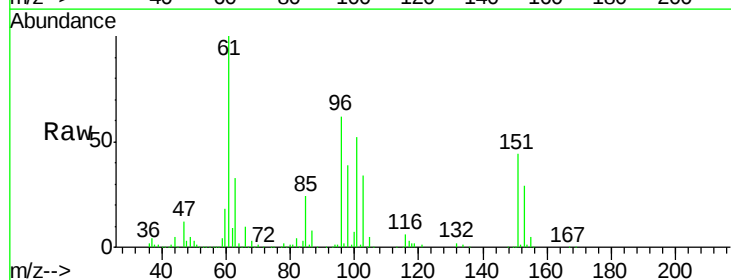
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#12
1,1-Dichloroethene
Concen: 17.00 ug/l
RT: 2.38 min Scan# 294
Delta R.T. 0.01 min
Lab File: VX002930.D
Acq: 27 Jun 2018 12:32

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.9	137.9	206.9
98	63.5	51.6	77.4





#13

Acrolein

Concen: 125.75 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

VX0627MBS01

Tot Ion: 56 Resp: 46755

Ion Ratio Lower Upper

56 100

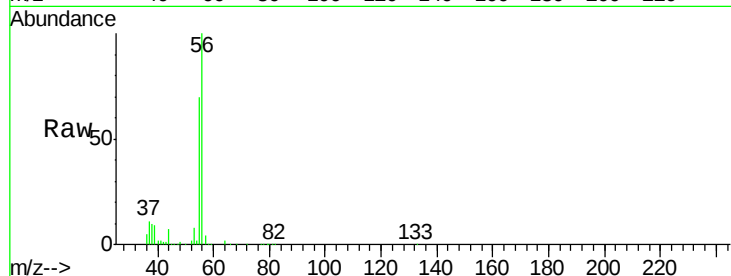
55 71.3 57.0 85.4

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

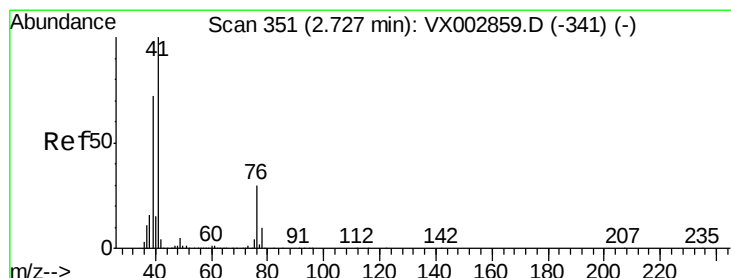
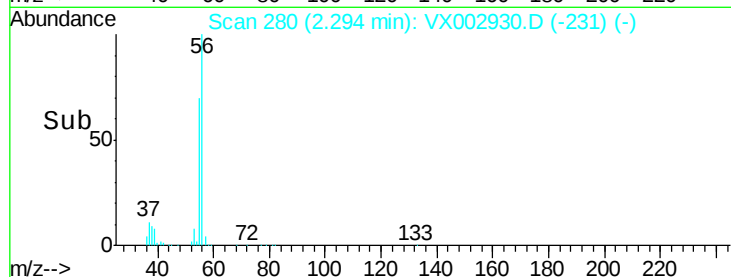
30000

20000

10000

0

Time-->



#14

Allyl chloride

Concen: 17.61 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

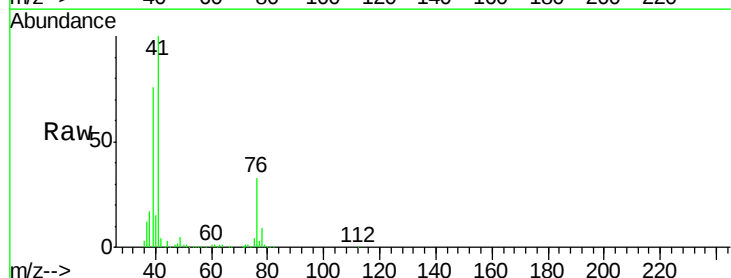
Tgt Ion: 41 Resp: 84812

Ion Ratio Lower Upper

41 100

39 69.6 56.8 85.2

76 30.6 23.8 35.8



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

80000

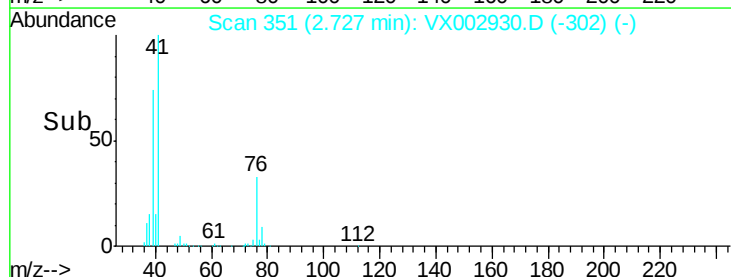
60000

40000

20000

0

Time-->





#15

Acrylonitrile

Concen: 85.23 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Instrument :

MSVOA_X

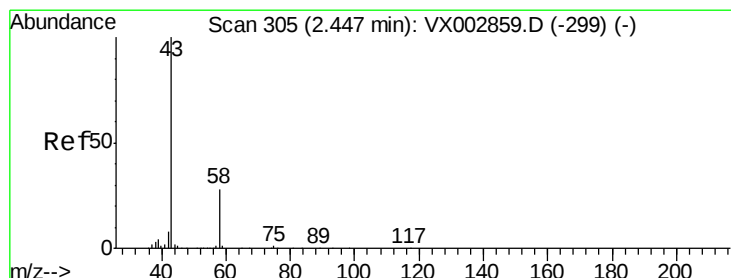
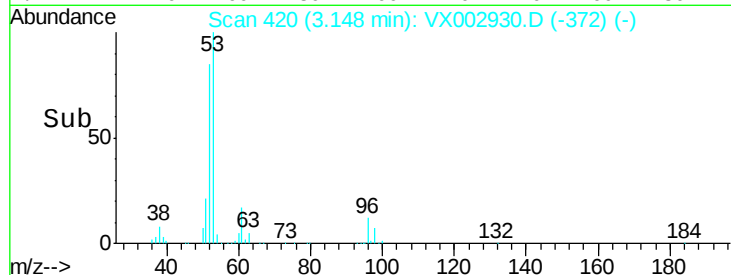
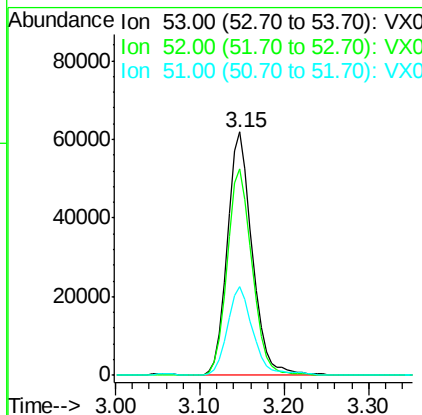
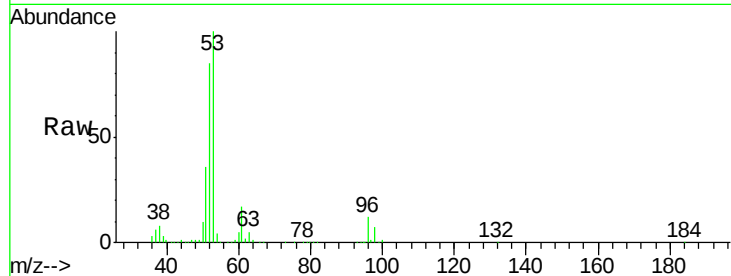
ClientSampleId :

VX0627MBS01

Tot Ion:	53	Resp:	124208
Ion Ratio	Lower	Upper	
53	100		
52	85.0	66.7	100.1
51	37.3	29.9	44.9

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#16

Acetone

Concen: 93.89 ug/l

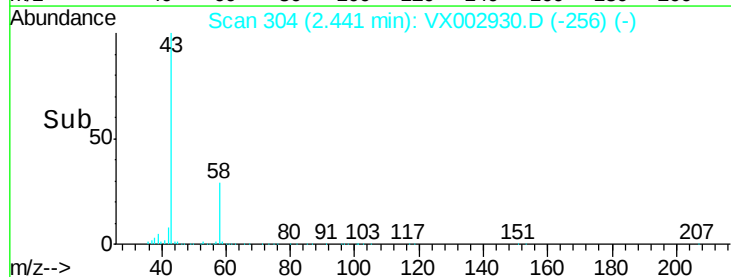
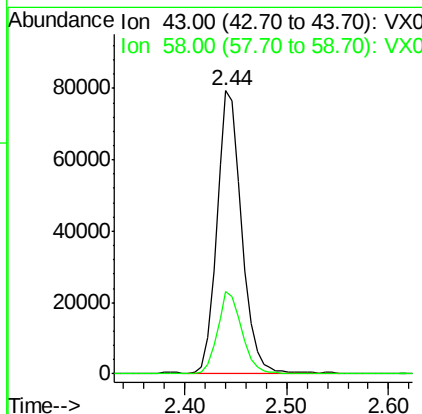
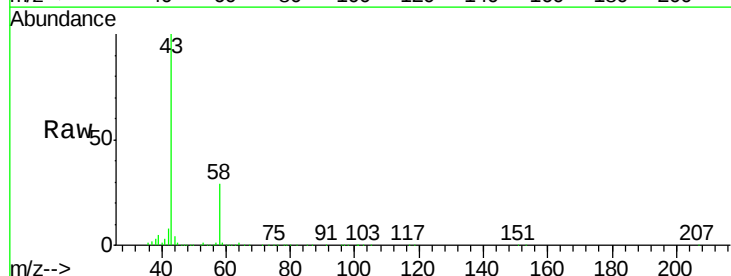
RT: 2.44 min Scan# 304

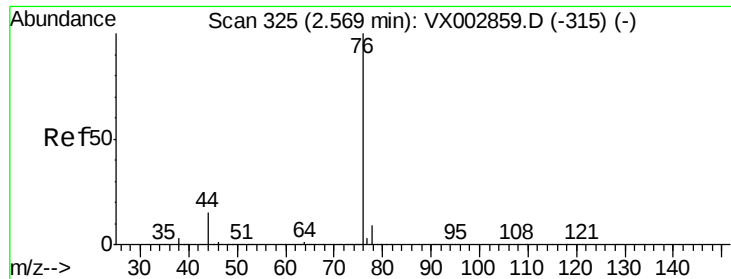
Delta R.T. -0.01 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Tgt Ion:	43	Resp:	133165
Ion Ratio	Lower	Upper	
43	100		
58	28.9	22.1	33.1





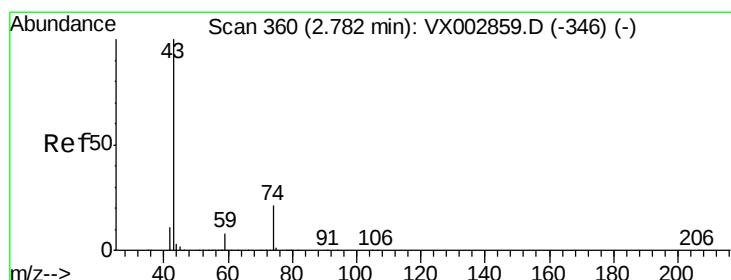
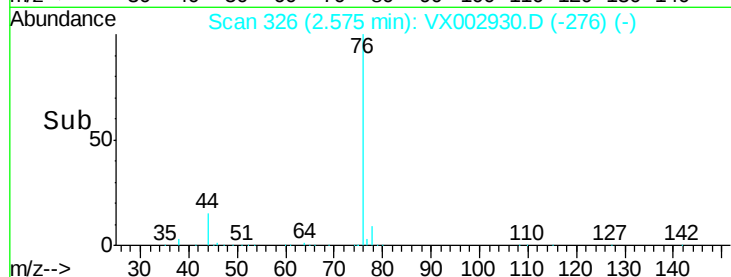
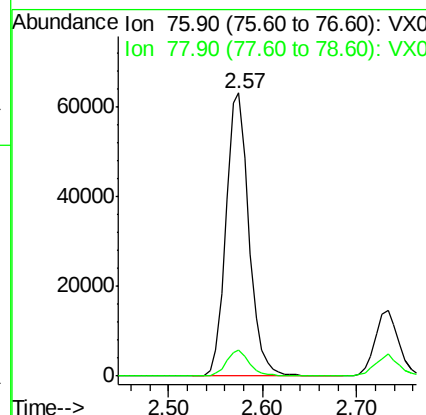
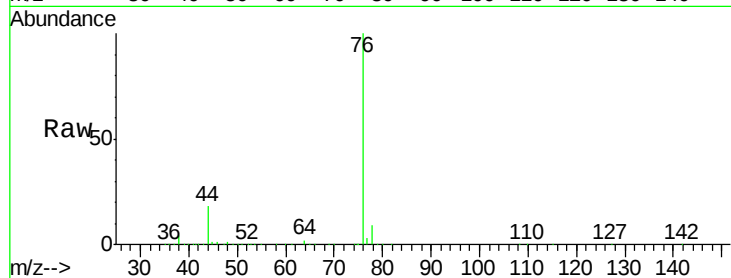
#17
Carbon Disulfide
Concen: 16.41 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.01 min
Lab File: VX002930.D
Acq: 27 Jun 2018 12:32

Instrument :
MSVOA_X
ClientSampleId :
VX0627MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	6.9	10.3

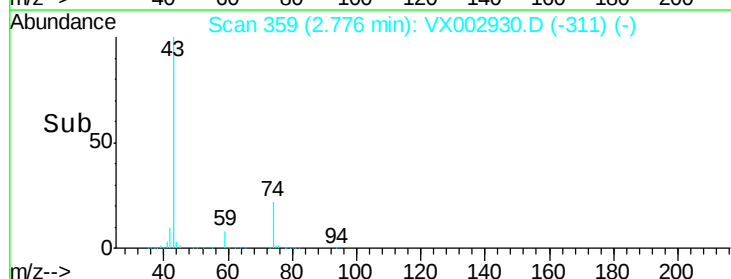
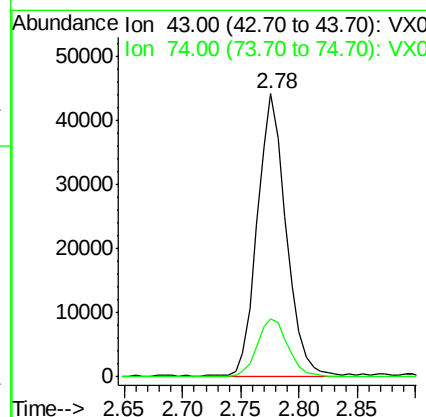
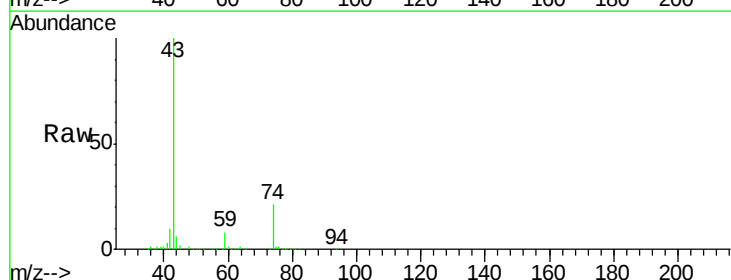
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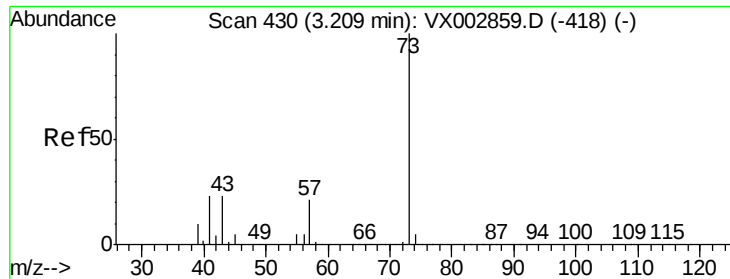
MMDadoda
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#18
Methyl Acetate
Concen: 19.26 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX002930.D
Acq: 27 Jun 2018 12:32

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.4	16.7	25.1





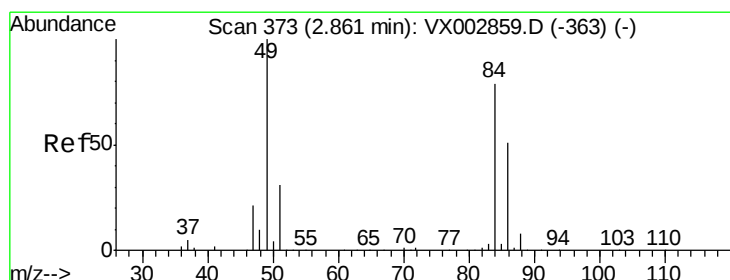
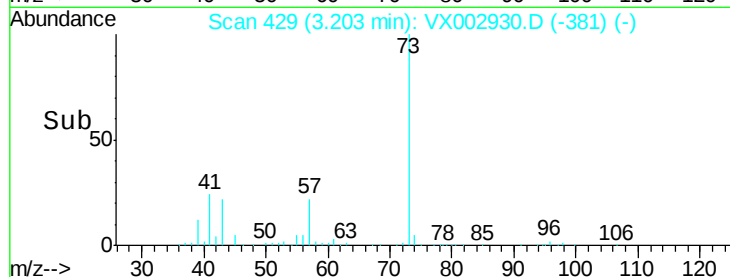
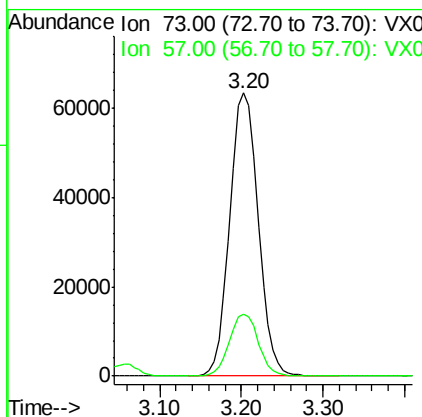
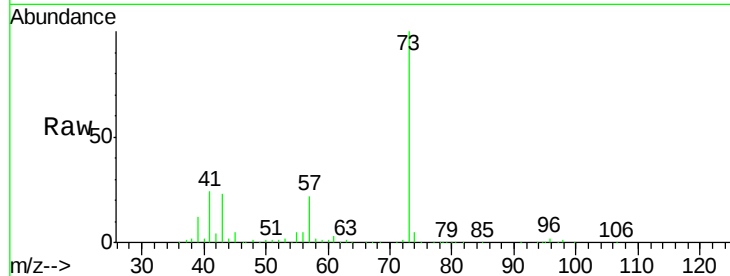
#19
Methvl tert-butvl Ether
Concen: 17.42 ug/l
RT: 3.20 min Scan# 429
Delta R.T. -0.01 min
Lab File: VX002930.D
Acq: 27 Jun 2018 12:32

Instrument :
MSVOA_X
ClientSampleId :
VX0627MBS01

Tot Ion: 73 Resp: 153053
Ion Ratio Lower Upper
73 100
57 21.8 17.7 26.5

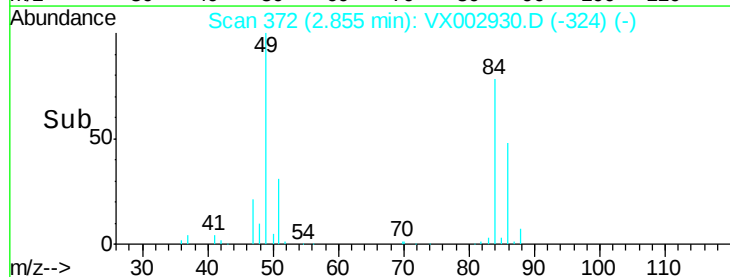
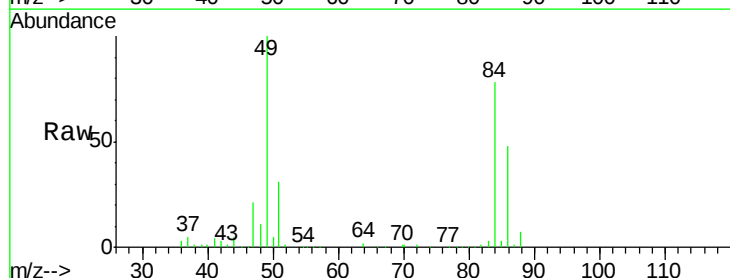
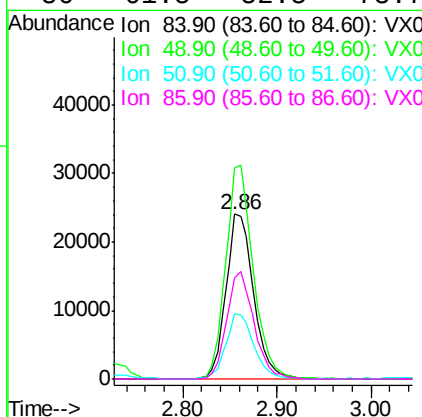
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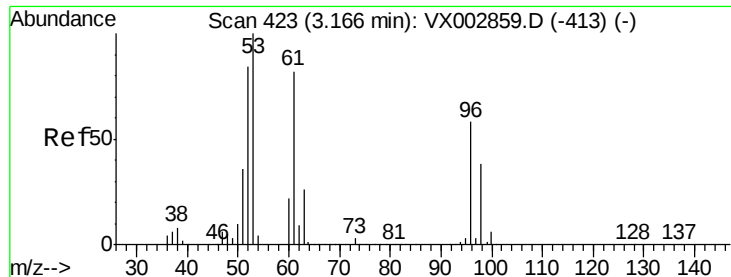
MMDadoda
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#20
Methylene Chloride
Concen: 17.69 ug/l
RT: 2.86 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX002930.D
Acq: 27 Jun 2018 12:32

Tgt Ion: 84 Resp: 48828
Ion Ratio Lower Upper
84 100
49 128.4 107.8 161.6
51 39.6 32.8 49.2
86 61.5 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 16.93 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Instrument :

MSVOA_X

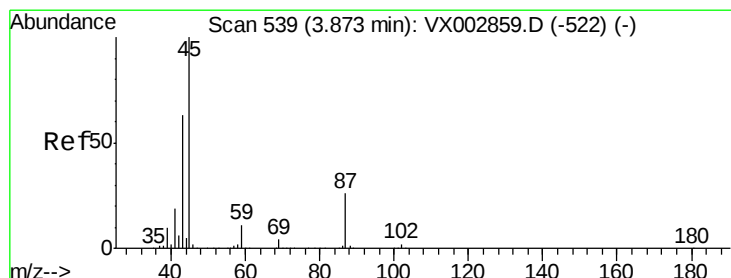
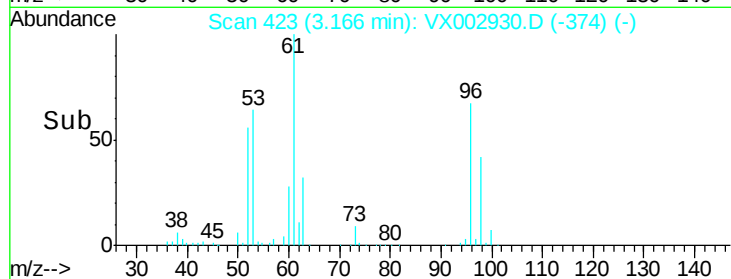
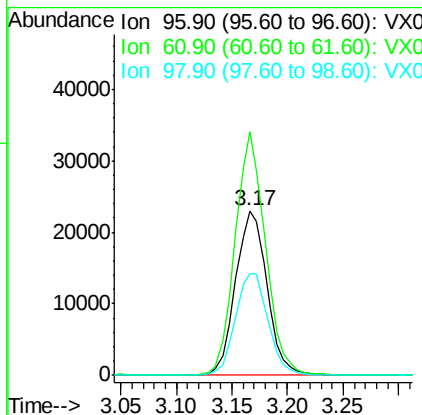
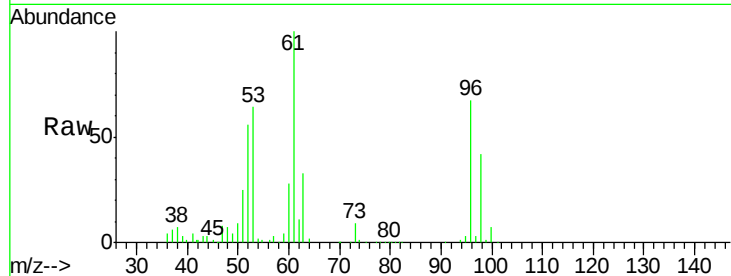
ClientSampleId :

VX0627MBS01

Tot Ion:	96	Resp:	45066
Ion	Ratio	Lower	Upper
96	100		
61	148.2	117.0	175.4
98	61.6	52.4	78.6

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#22

Diisopropyl ether

Concen: 18.06 ug/l

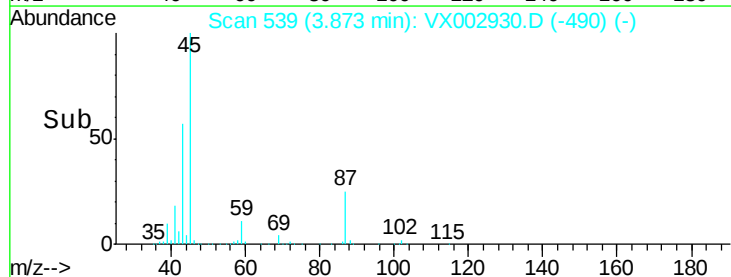
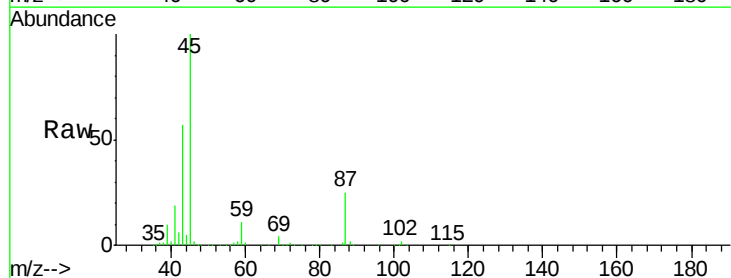
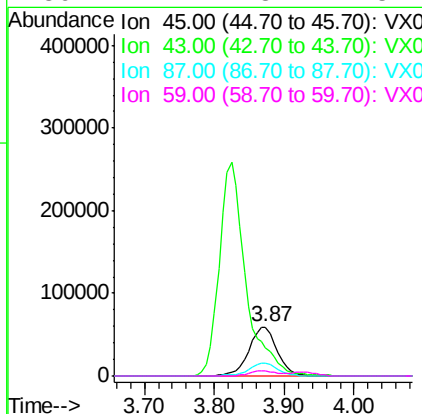
RT: 3.87 min Scan# 539

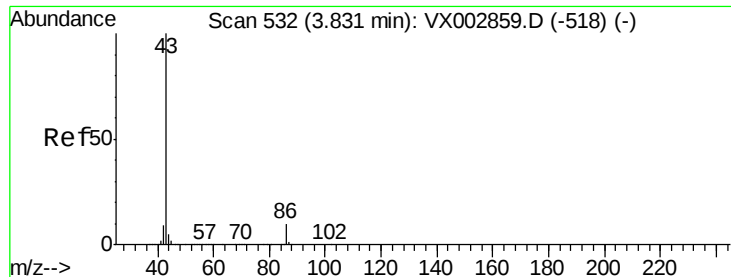
Delta R.T. 0.00 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Tgt Ion:	45	Resp:	166281
Ion	Ratio	Lower	Upper
45	100		
43	56.6	46.8	70.2
87	24.9	20.2	30.4
59	11.2	8.7	13.1





#23

Vinyl Acetate

Concen: 87.82 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

VX0627MBS01

Tot Ion: 43 Resp: 684781

Ion Ratio Lower Upper

43 100

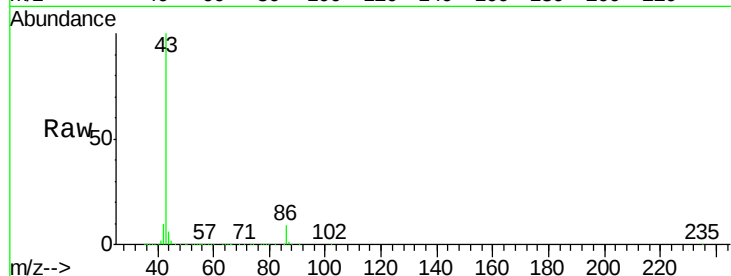
86 9.4 7.4 11.0

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

300000

250000

200000

150000

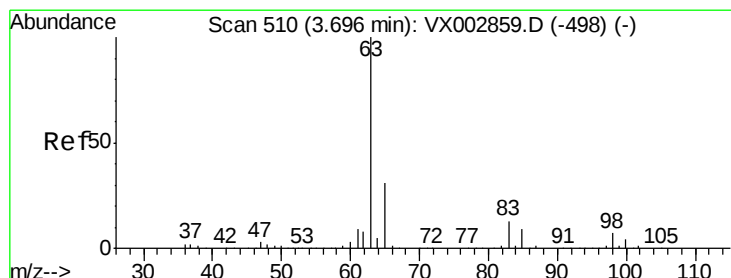
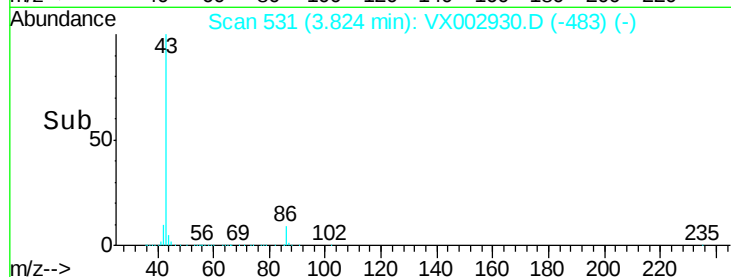
100000

50000

0

3.70 3.80 3.90 4.00 4.10

Time-->



#24

1,1-Dichloroethane

Concen: 17.99 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

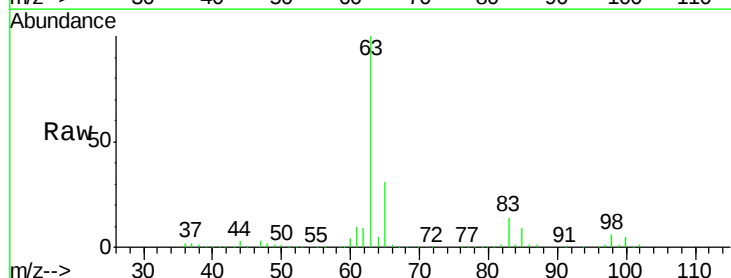
Tgt Ion: 63 Resp: 90045

Ion Ratio Lower Upper

63 100

98 6.0 3.4 10.2

100 4.5 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

50000

40000

30000

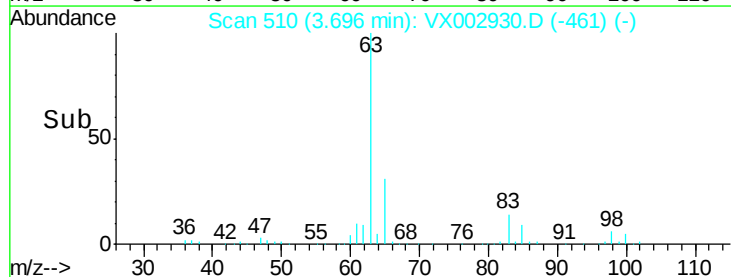
20000

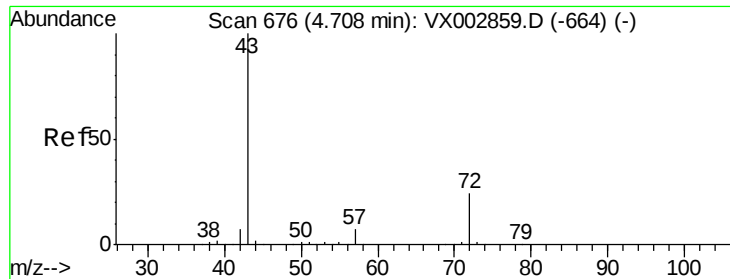
10000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 89.12 ug/l

RT: 4.70 min Scan# 675

Delta R.T. -0.01 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

VX0627MBS01

Tot Ion: 43 Resp: 187591

Ion Ratio Lower Upper

43 100

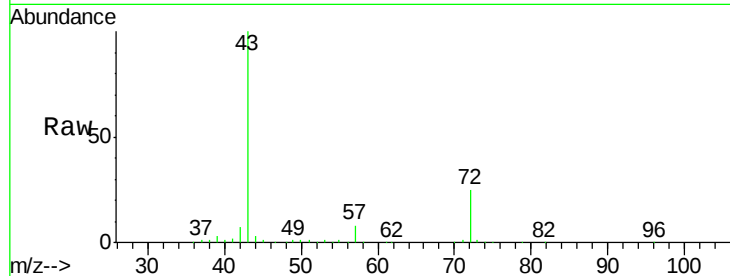
72 24.7 18.5 27.7

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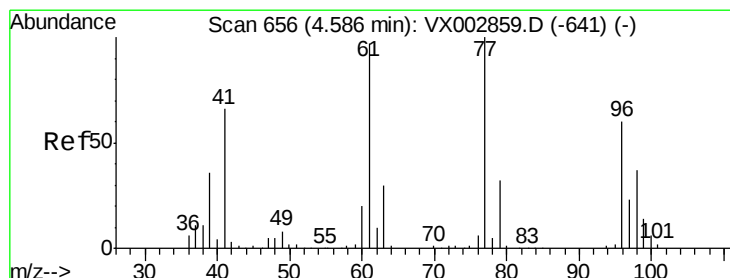
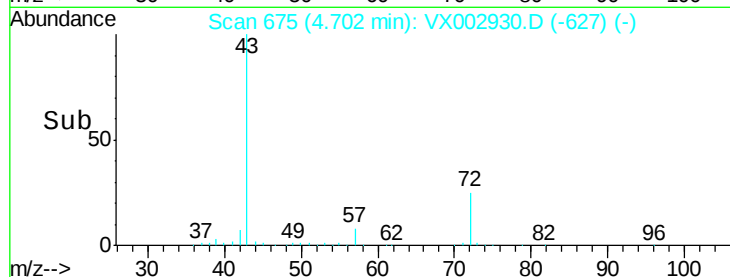
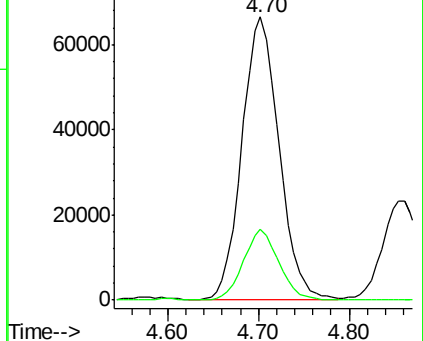
MMDadoda

6/28/2018 4:47:52 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 17.72 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX002930.D

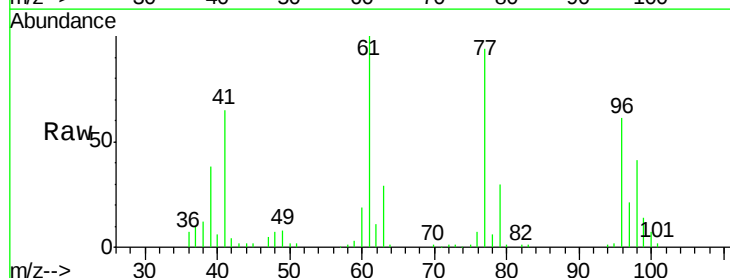
Acq: 27 Jun 2018 12:32

Tgt Ion: 77 Resp: 72111

Ion Ratio Lower Upper

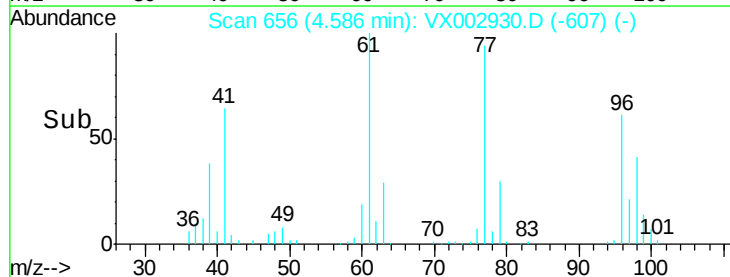
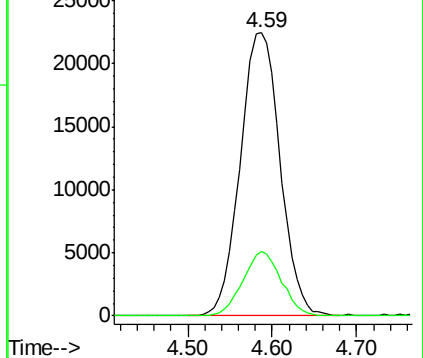
77 100

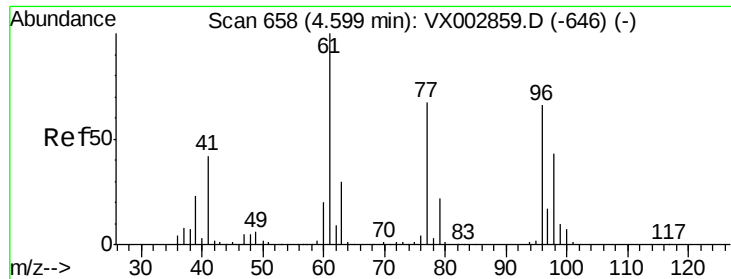
97 22.0 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

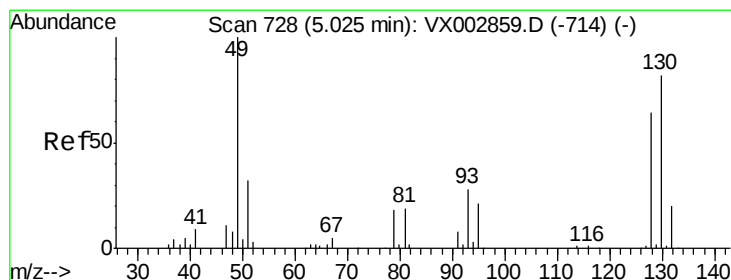
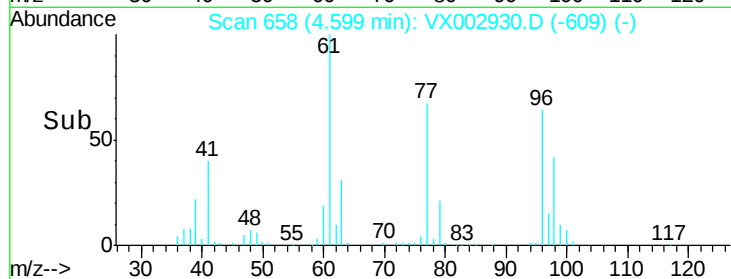
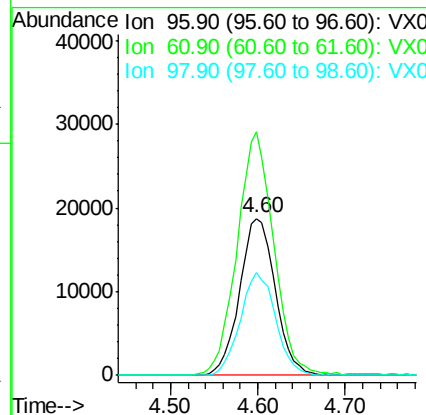
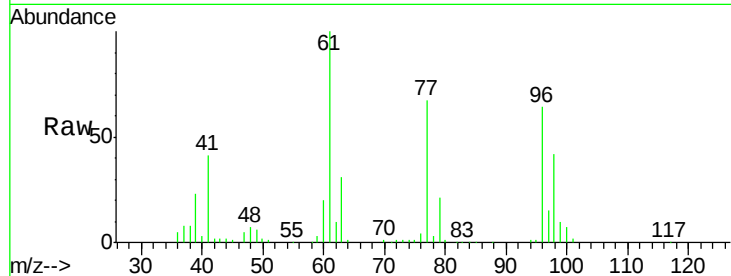
cis-1,2-Dichloroethene
Concen: 17.78 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.00 min
Lab File: VX002930.D
Acq: 27 Jun 2018 12:32

Instrument :
MSVOA_X
ClientSampleId :
VX0627MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	159.3	0.0	330.2
98	64.9	0.0	130.2

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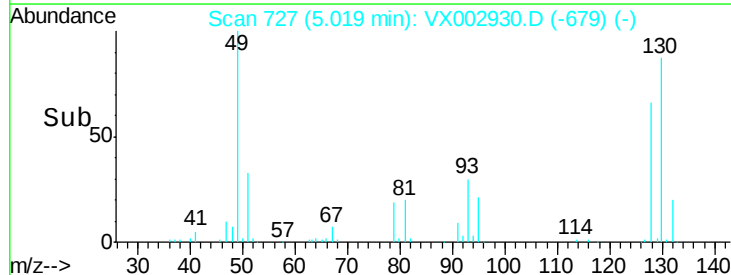
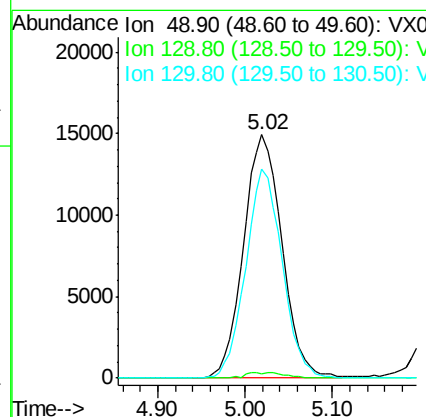
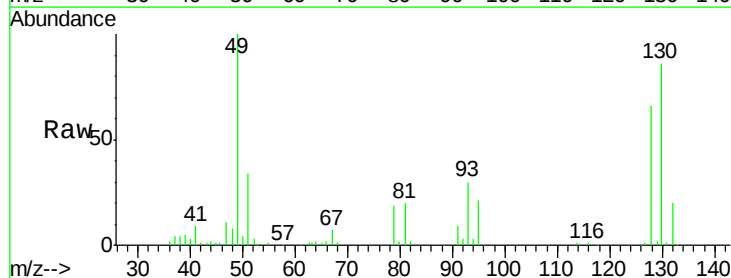
MMDadoda
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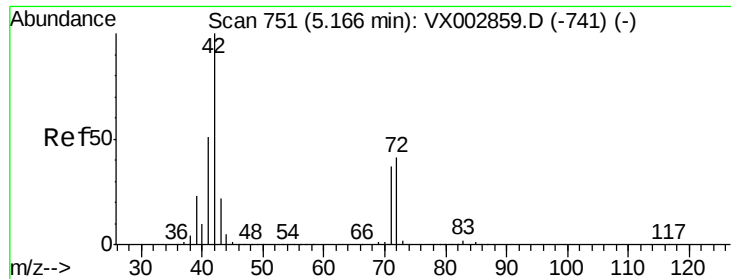


#28

Bromochloromethane
Concen: 19.08 ug/l
RT: 5.02 min Scan# 727
Delta R.T. -0.01 min
Lab File: VX002930.D
Acq: 27 Jun 2018 12:32

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	4.2
130	81.4	61.2	91.8





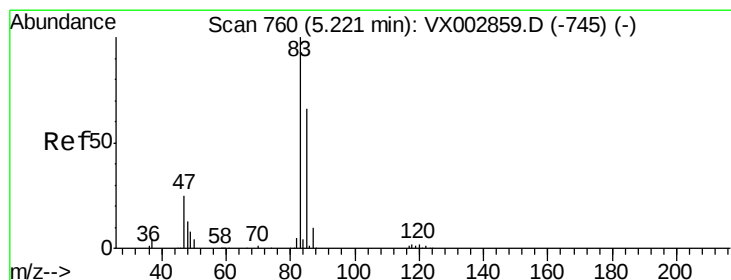
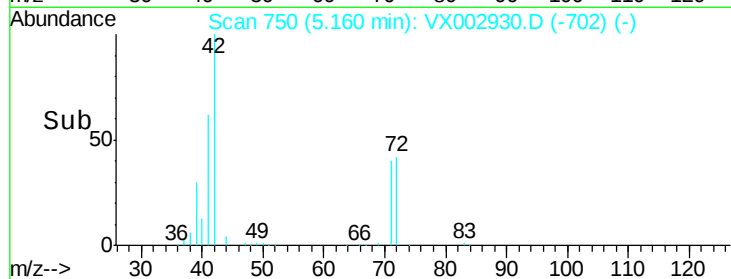
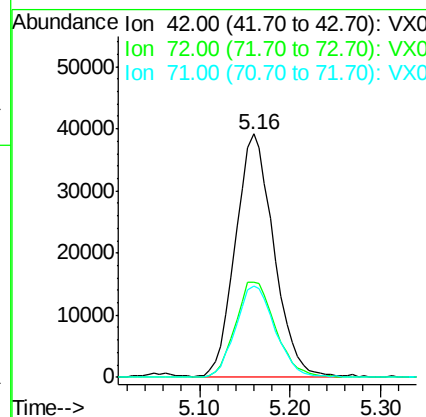
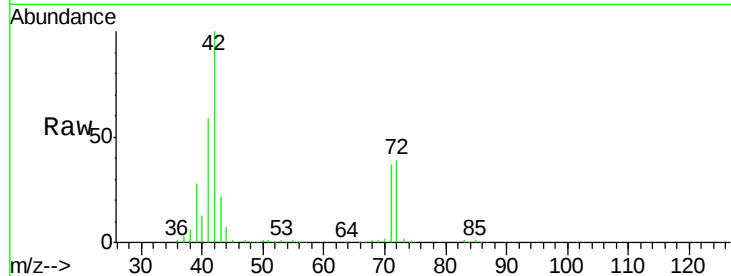
#29
Tetrahydrofuran
Concen: 84.25 ug/l
RT: 5.16 min Scan# 750
Delta R.T. -0.01 min
Lab File: VX002930.D
Acq: 27 Jun 2018 12:32

Instrument :
MSVOA_X
ClientSampleId :
VX0627MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	32.0	48.0
71	39.2	30.1	45.1

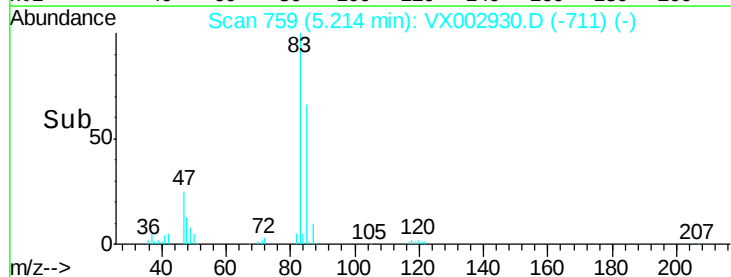
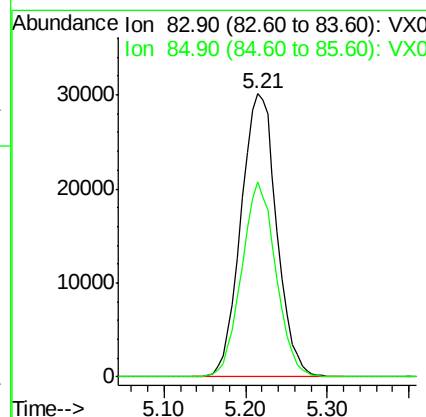
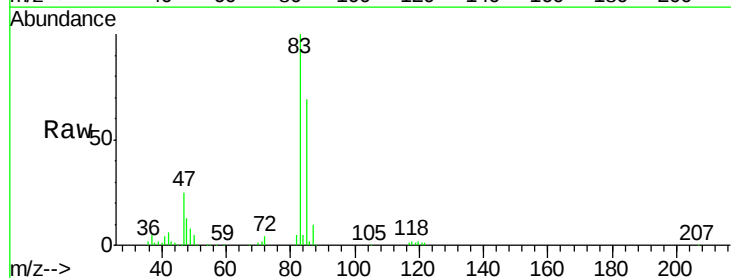
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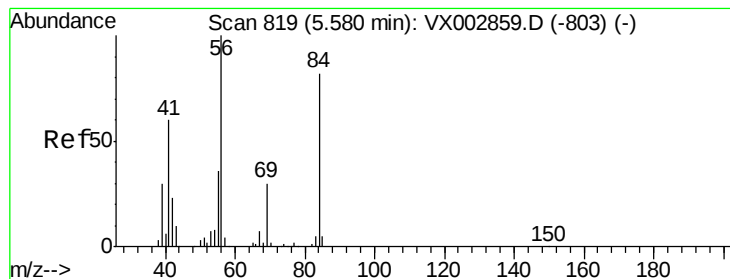
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#30
Chloroform
Concen: 17.83 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX002930.D
Acq: 27 Jun 2018 12:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.9	50.4	75.6





#31

Cyclohexane

Concen: 17.13 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

VX0627MBS01

Tot Ion: 56 Resp: 73578

Ion Ratio Lower Upper

56 100

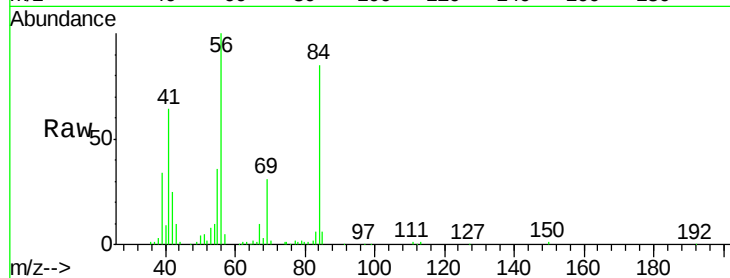
69 30.7 23.7 35.5

84 83.0 64.1 96.1

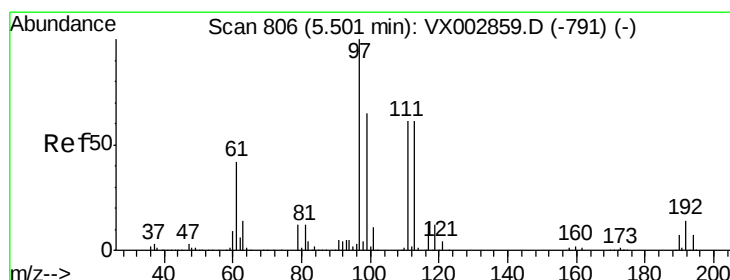
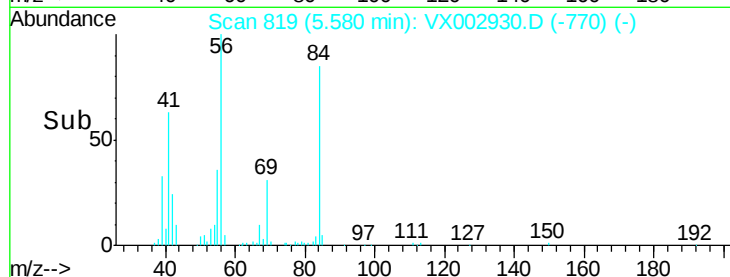
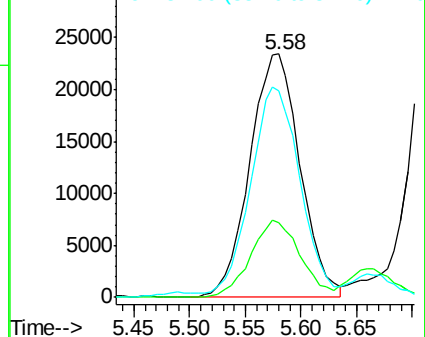
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Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 17.74 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

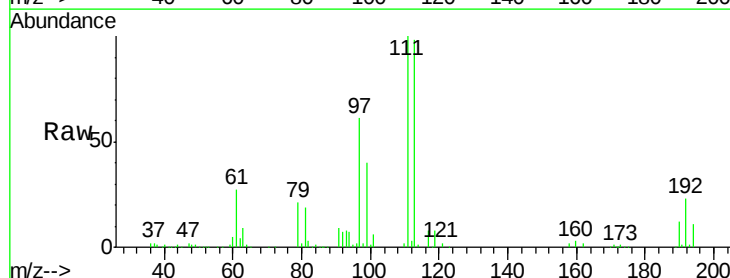
Tgt Ion: 97 Resp: 80176

Ion Ratio Lower Upper

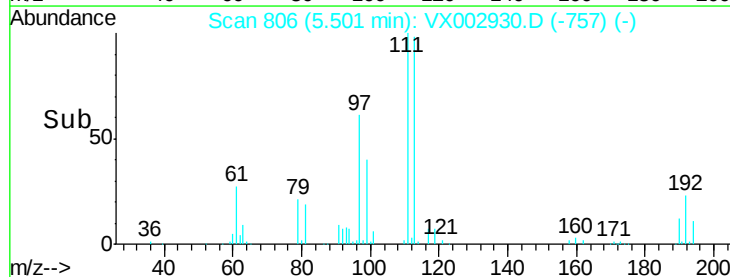
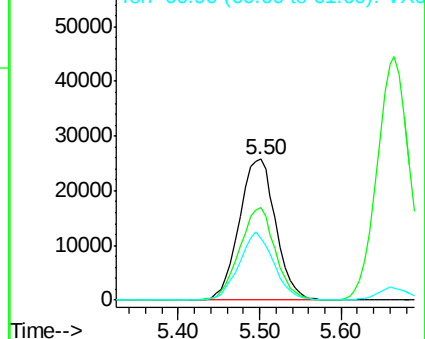
97 100

99 64.1 51.6 77.4

61 45.9 36.4 54.6



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





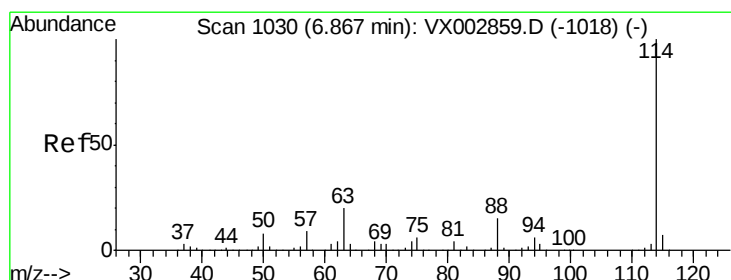
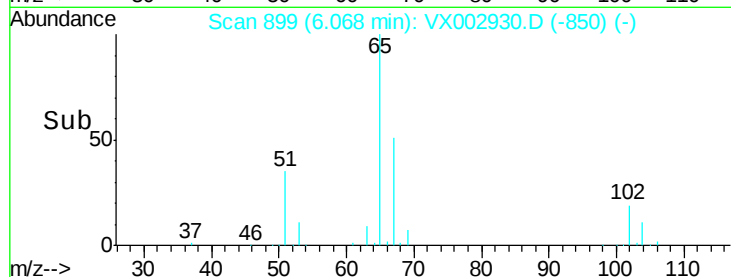
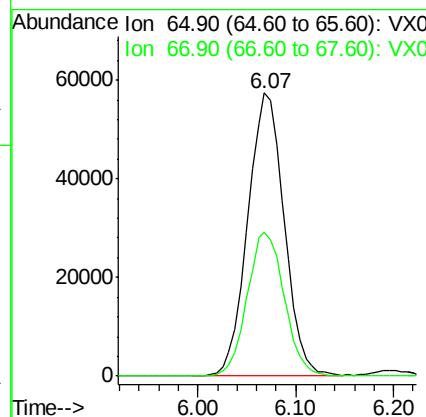
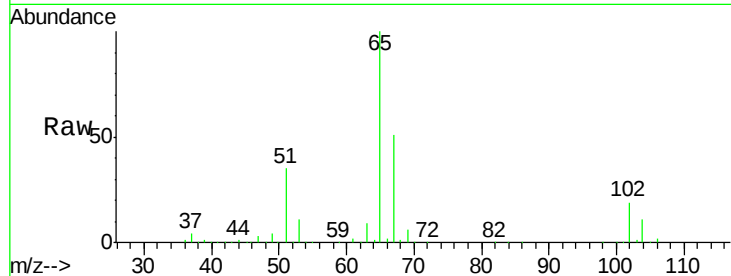
#33
 1,2-Dichloroethane-d4
 Concen: 43.40 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX002930.D
 Acq: 27 Jun 2018 12:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627MBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	102.6

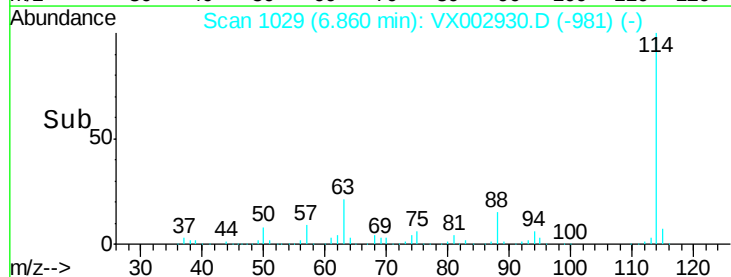
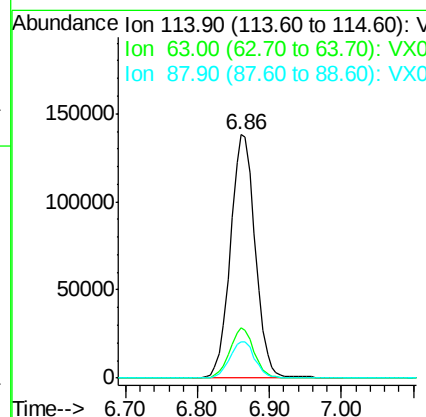
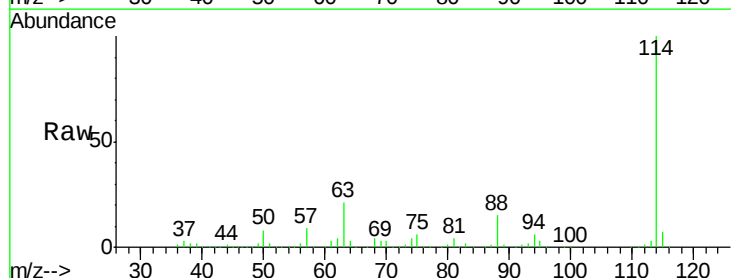
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX002930.D
 Acq: 27 Jun 2018 12:32

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	41.4
88	15.2	0.0	30.0





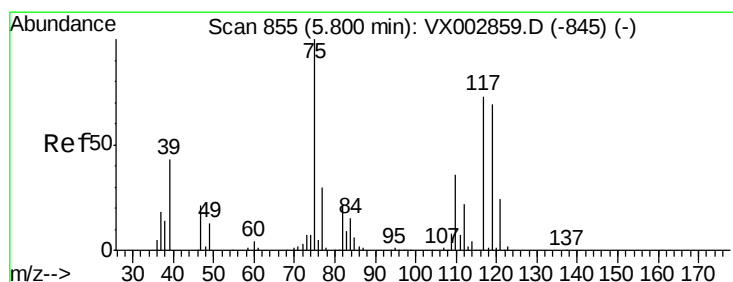
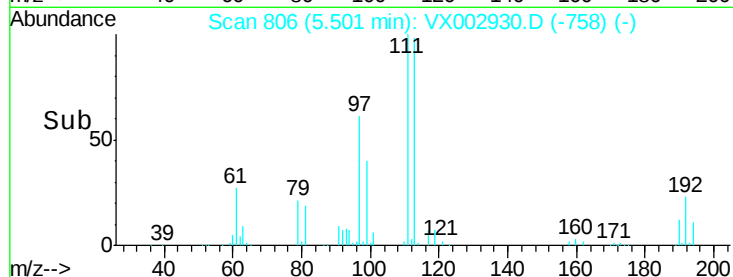
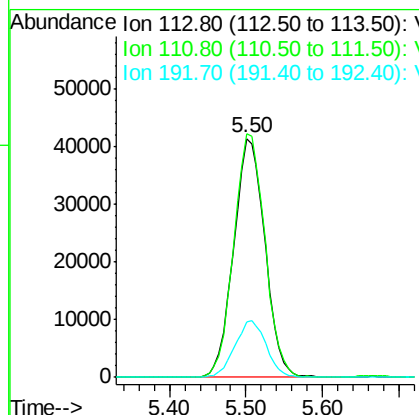
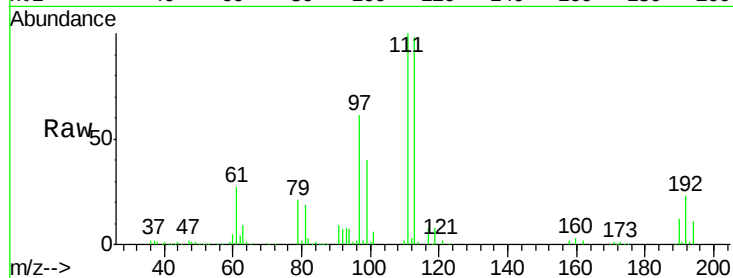
#35
Dibromofluoromethane
Concen: 44.81 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.01 min
Lab File: VX002930.D
Acq: 27 Jun 2018 12:32

Instrument :
MSVOA_X
ClientSampleId :
VX0627MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.7	81.4	122.0	
192	23.8	19.1	28.7	

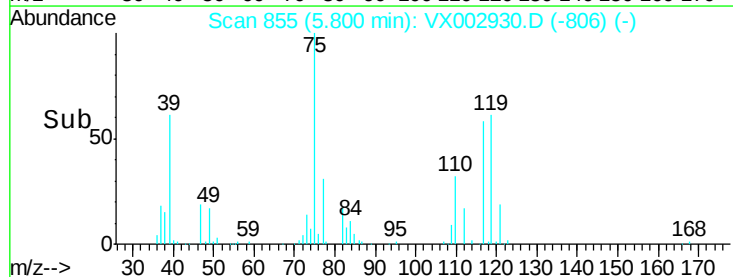
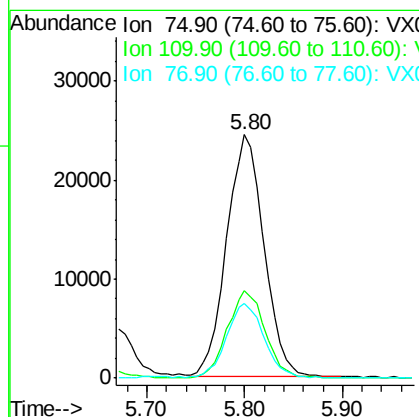
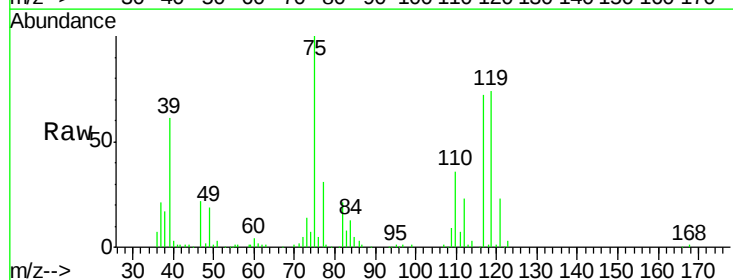
Manual Integrations
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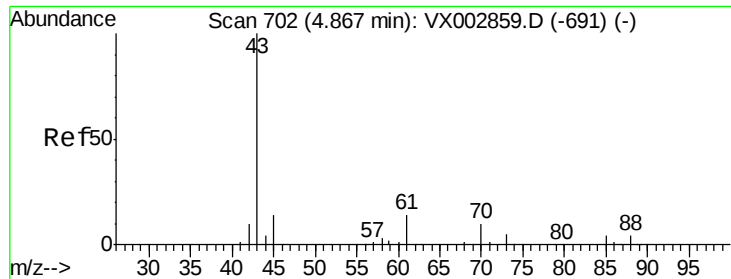
MMDadoda
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#36
1,1-Dichloropropene
Concen: 17.83 ug/l
RT: 5.80 min Scan# 855
Delta R.T. 0.00 min
Lab File: VX002930.D
Acq: 27 Jun 2018 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.8	18.1	54.4	
77	31.4	24.3	36.5	





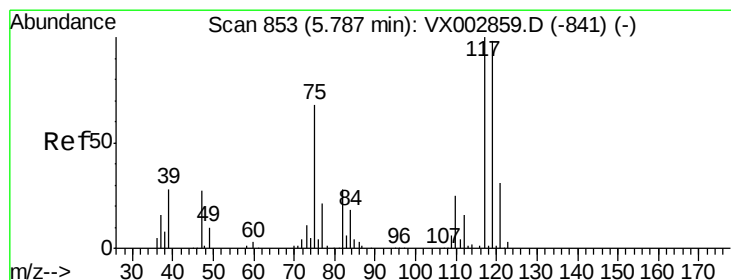
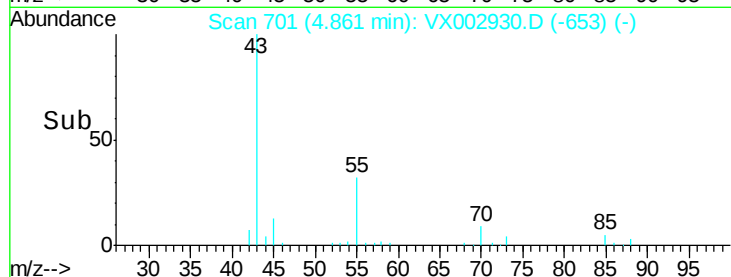
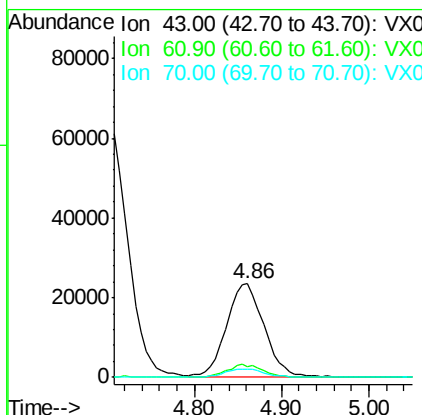
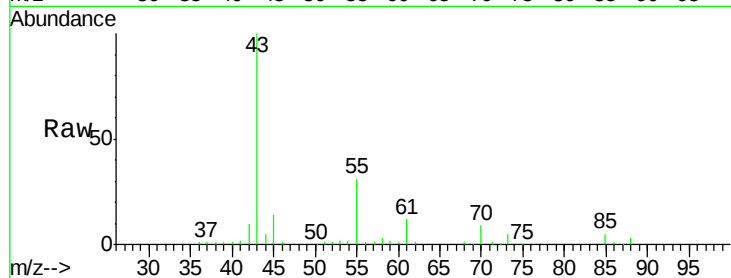
#37
Ethyl Acetate
Concen: 17.59 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.01 min
Lab File: VX002930.D
Acq: 27 Jun 2018 12:32

Instrument :
MSVOA_X
ClientSampleId :
VX0627MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.4	15.6
70	9.7	7.6	11.4

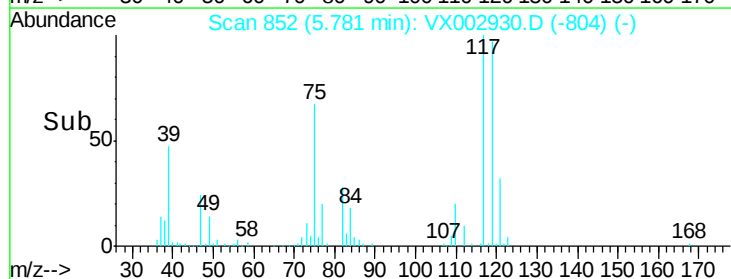
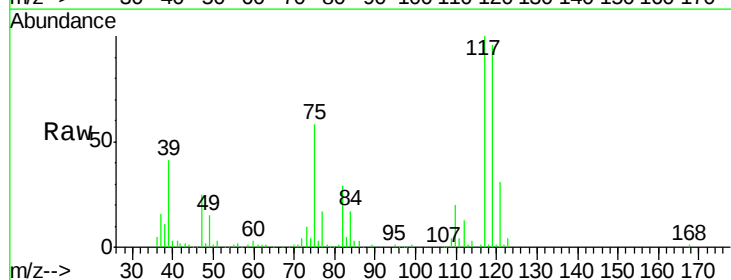
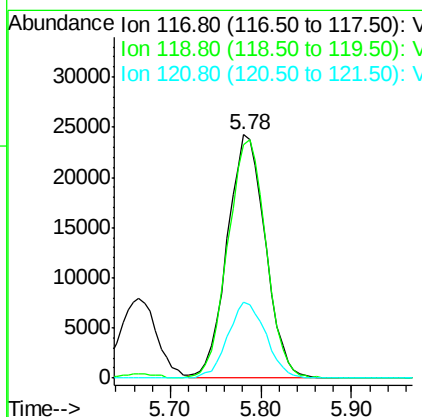
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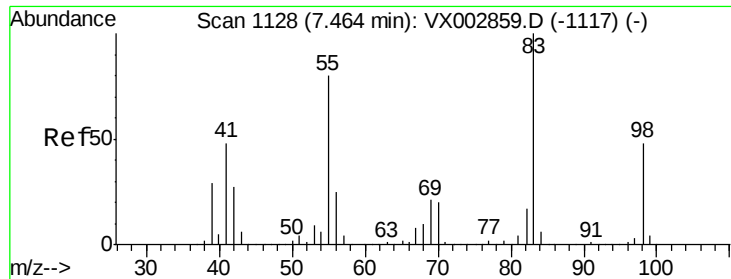
MMDadoda
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#38
Carbon Tetrachloride
Concen: 17.73 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX002930.D
Acq: 27 Jun 2018 12:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	77.4	116.0
121	31.2	24.4	36.6





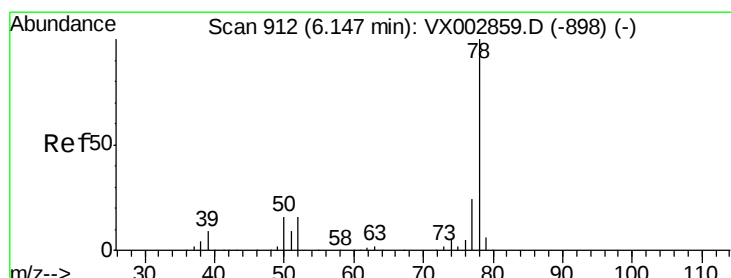
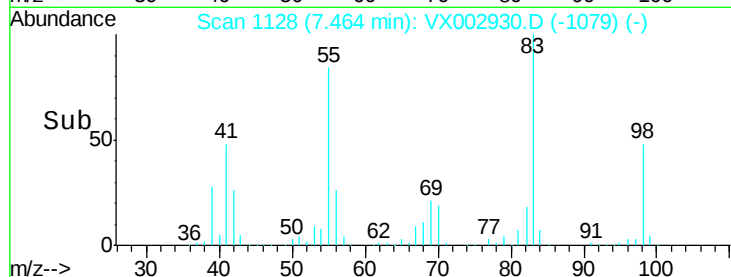
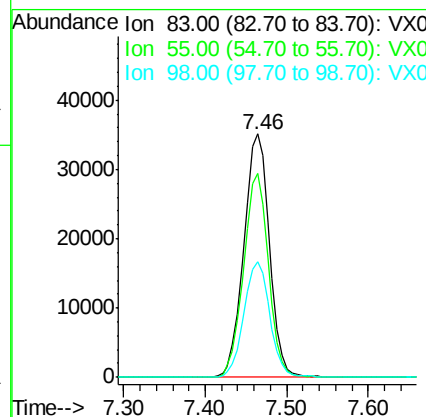
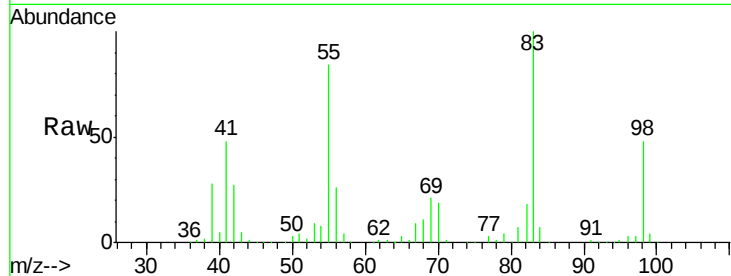
#39
Methvlcvclohexane
Concen: 18.01 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX002930.D
Acq: 27 Jun 2018 12:32

Instrument :
MSVOA_X
ClientSampleId :
VX0627MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.3	65.4	98.0
98	47.6	37.4	56.0

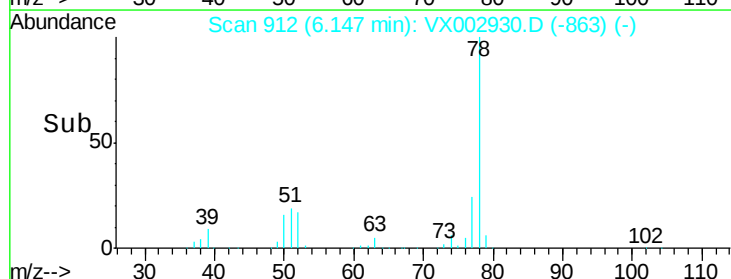
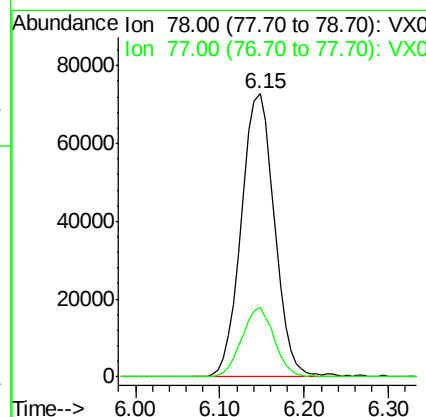
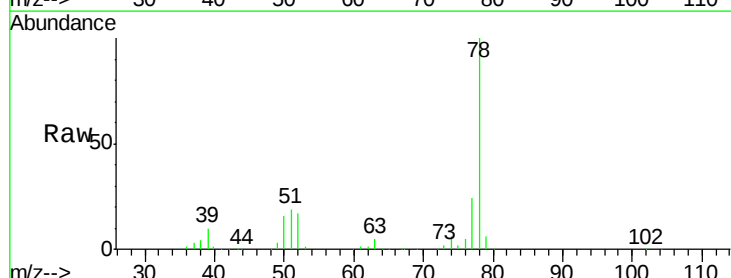
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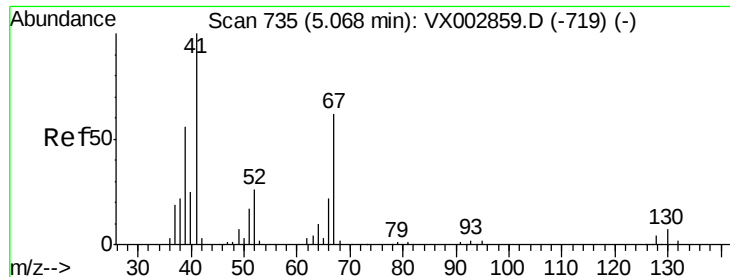
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#40
Benzene
Concen: 18.39 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX002930.D
Acq: 27 Jun 2018 12:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.1	28.7





#41

Methacrylonitrile

Concen: 17.72 ug/l

RT: 5.06 min Scan# 734

Delta R.T. -0.01 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Instrument :

MSVOA_X

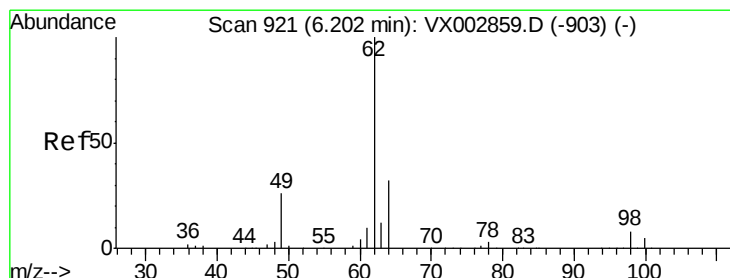
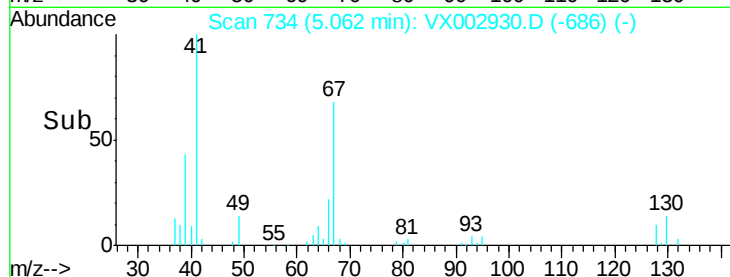
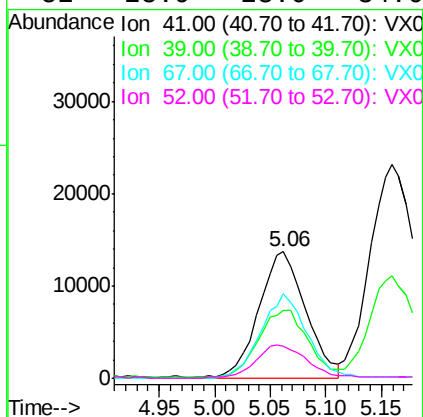
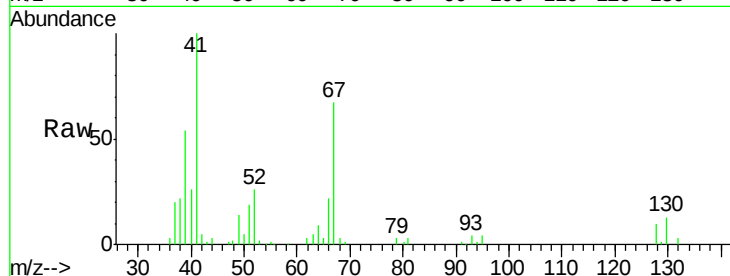
ClientSampleId :

VX0627MBS01

Tot Ion	Ion	Ratio	Lower	Upper
39915	41	100		
	39	56.6	45.8	68.6
	67	66.7	51.3	76.9
	52	28.9	23.0	34.6

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#42

1,2-Dichloroethane

Concen: 18.24 ug/l

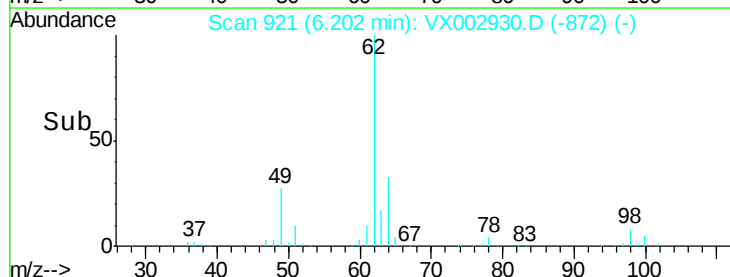
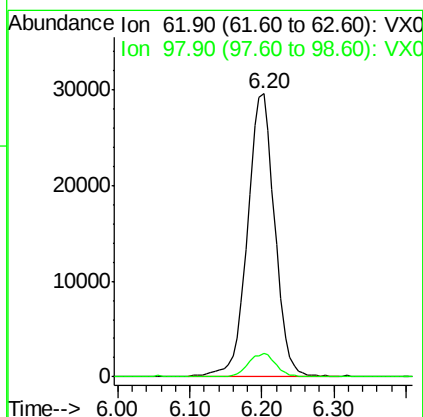
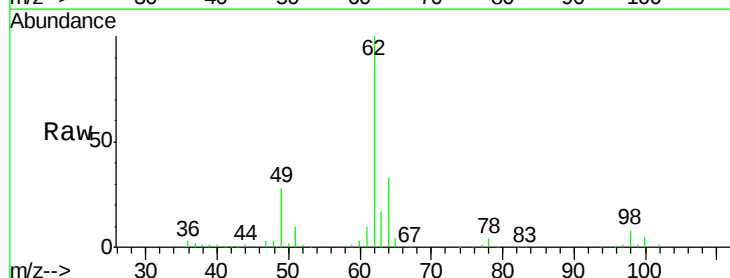
RT: 6.20 min Scan# 921

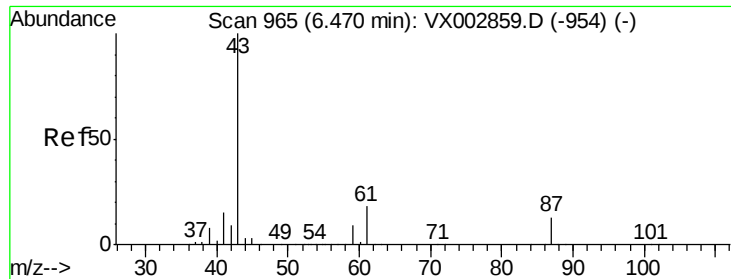
Delta R.T. 0.00 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Tgt Ion	Ion	Ratio	Lower	Upper
77788	62	100		
	98	8.5	0.0	16.6





#43

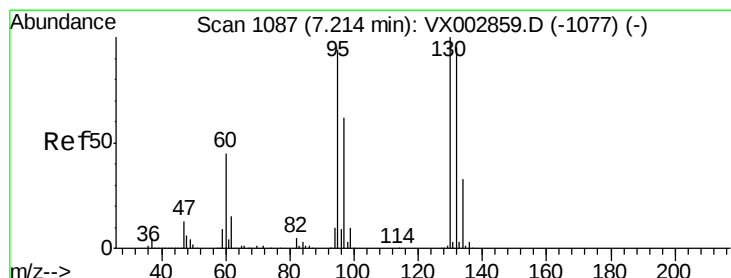
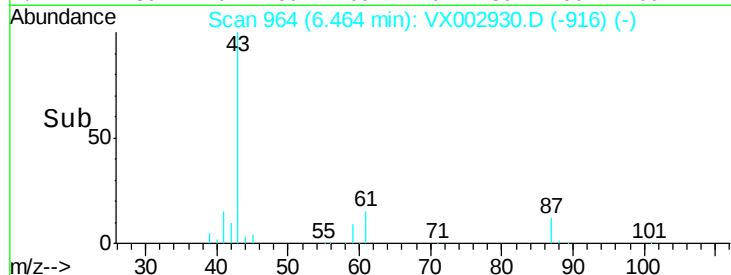
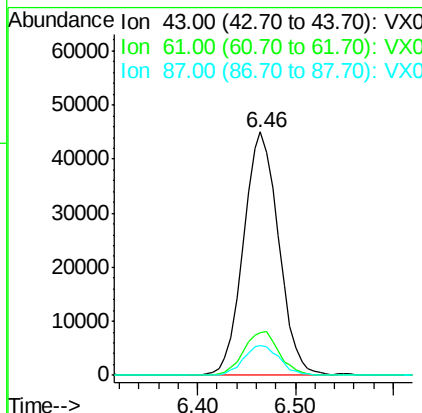
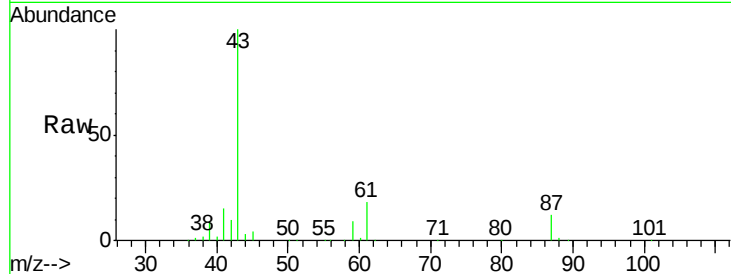
Isopropyl Acetate
 Concen: 17.20 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. -0.01 min
 Lab File: VX002930.D
 Acq: 27 Jun 2018 12:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.2	14.4	21.6
87	12.4	9.5	14.3

Manual Integrations
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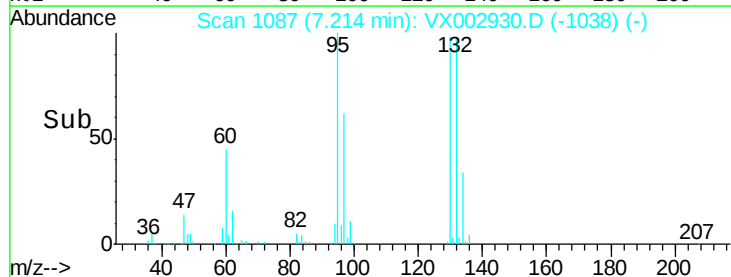
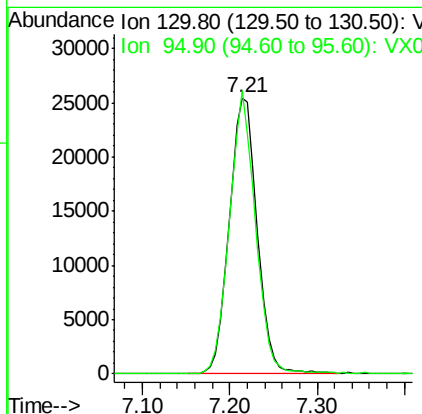
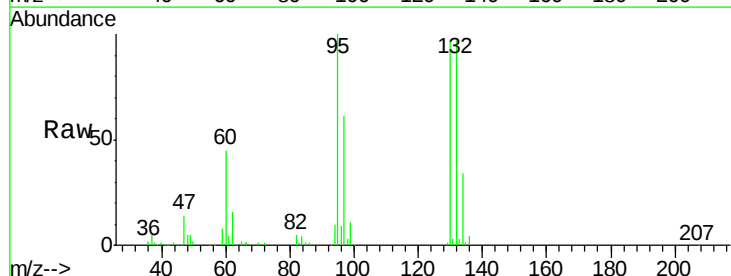
MMDadoda
 6/28/2018 4:47:52 PM



#44

Trichloroethene
 Concen: 17.97 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX002930.D
 Acq: 27 Jun 2018 12:32

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.6	0.0	185.4





#45

1,2-Dichloropropane

Concen: 18.58 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

VX0627MBS01

Tot Ion: 63 Resp: 52025

Ion Ratio Lower Upper

63 100

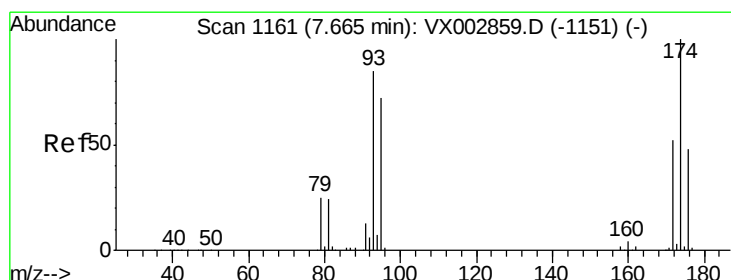
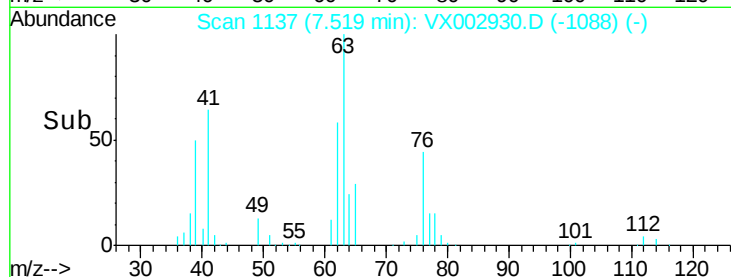
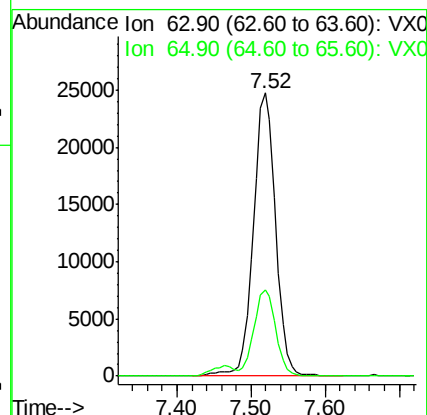
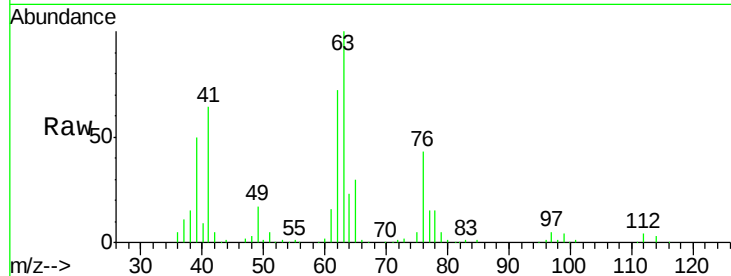
65 30.3 24.7 37.1

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#46

Dibromomethane

Concen: 18.26 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

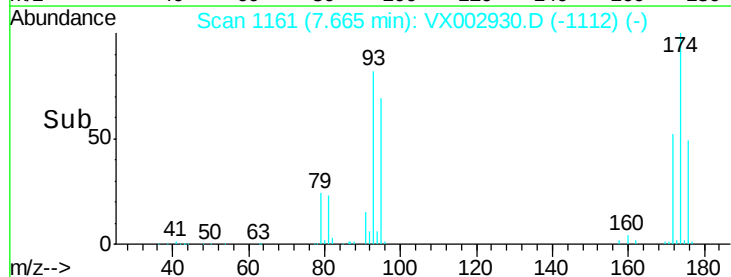
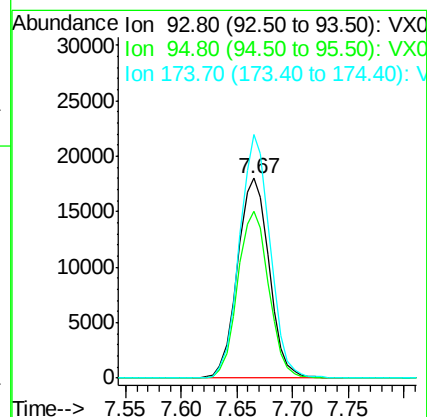
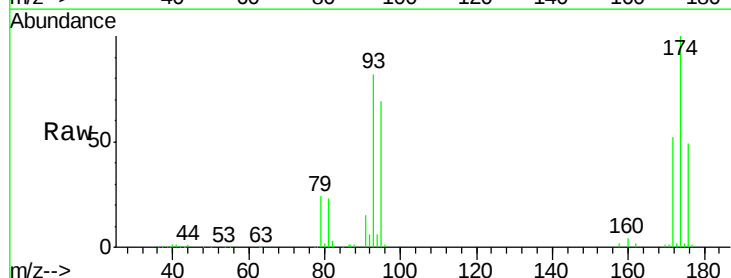
Tgt Ion: 93 Resp: 35485

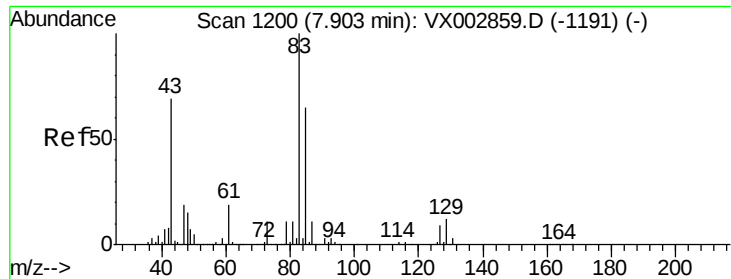
Ion Ratio Lower Upper

93 100

95 82.0 65.9 98.9

174 117.2 92.4 138.6





#47

Bromodichloromethane

Concen: 18.20 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Instrument :

MSVOA_X

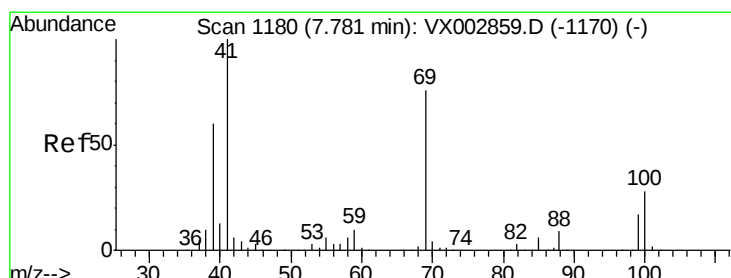
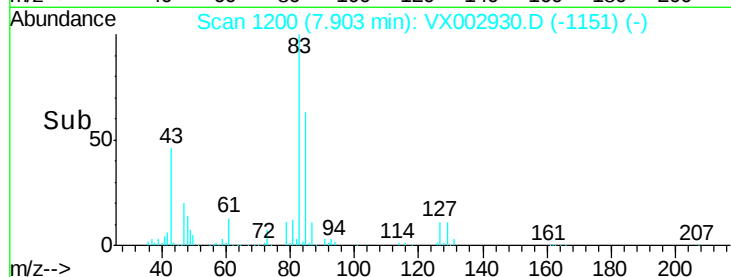
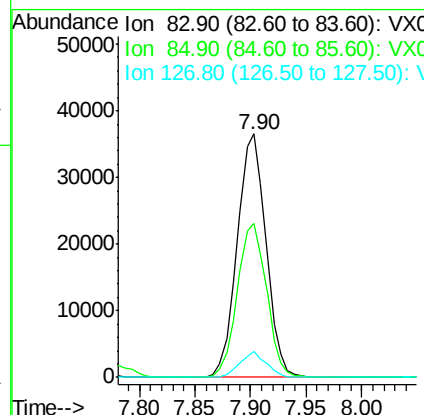
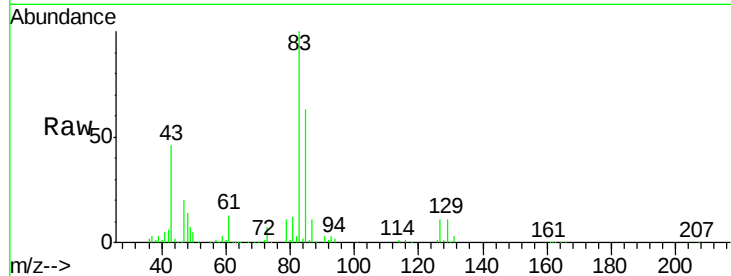
ClientSampleId :

VX0627MBS01

Tot Ion:	83	Resp:	65386
Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.3	75.5
127	10.6	7.0	10.4#

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#48

Methyl methacrylate

Concen: 17.49 ug/l

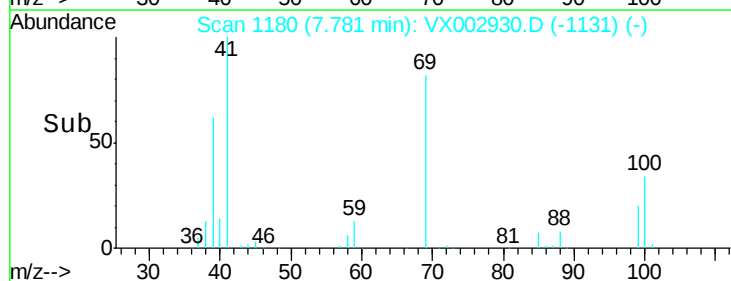
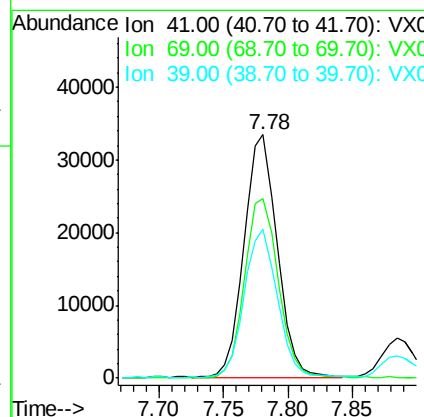
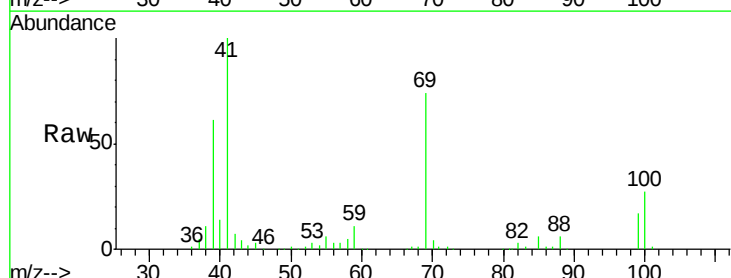
RT: 7.78 min Scan# 1180

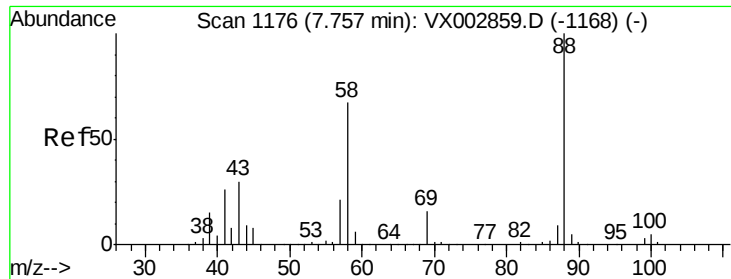
Delta R.T. 0.00 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Tgt Ion:	41	Resp:	59127
Ion	Ratio	Lower	Upper
41	100		
69	76.2	59.1	88.7
39	61.0	48.9	73.3





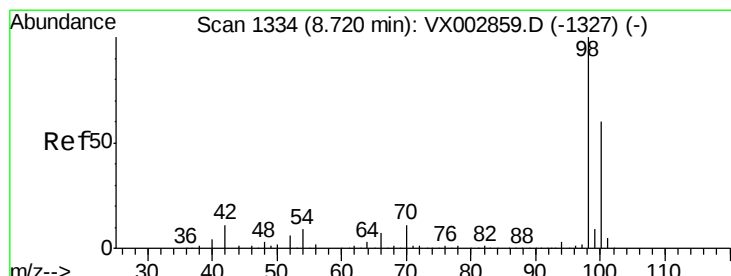
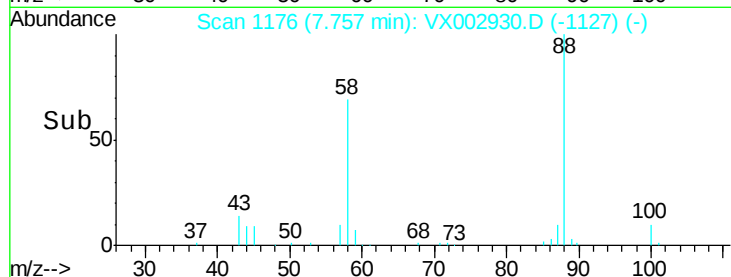
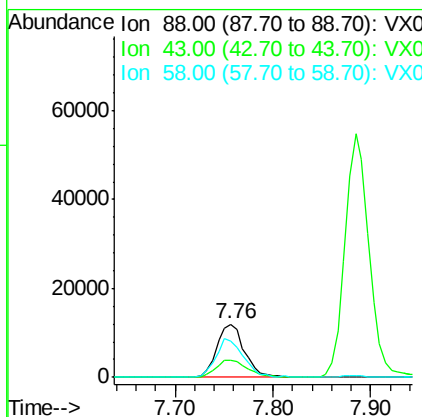
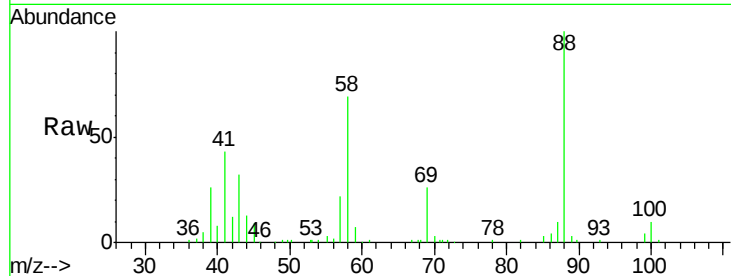
#49
1,4-Dioxane
Concen: 354.53 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VX002930.D
Acq: 27 Jun 2018 12:32

Instrument :
MSVOA_X
ClientSampleId :
VX0627MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.4	29.8	44.6
58	74.2	57.1	85.7

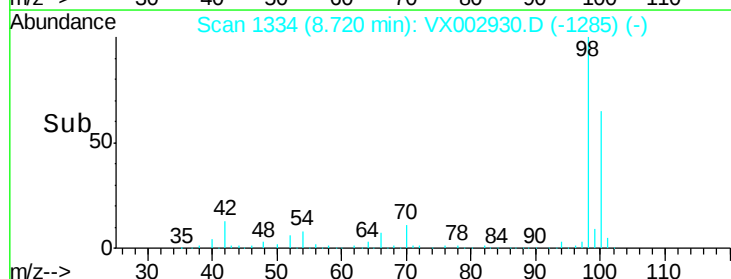
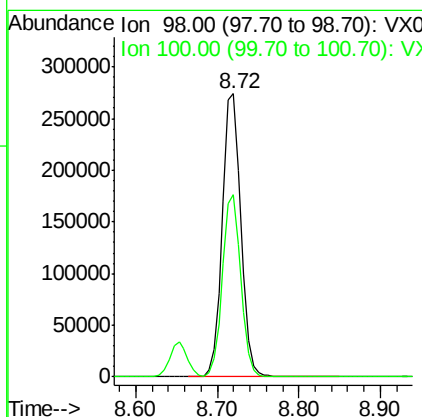
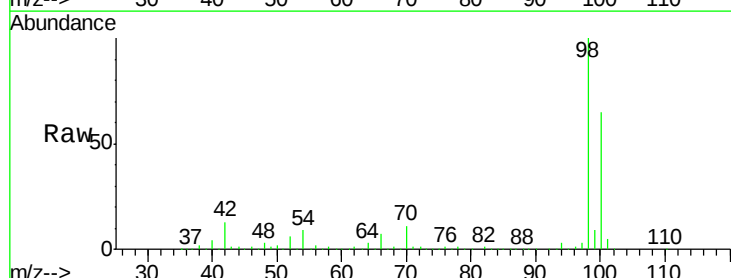
Manual Integrations
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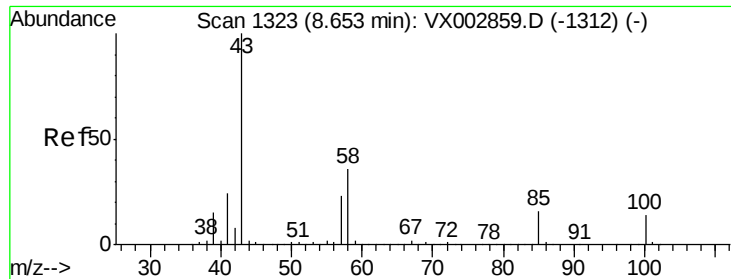
MMDadoda
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#50
Toluene-d8
Concen: 45.09 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002930.D
Acq: 27 Jun 2018 12:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 89.72 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

VX0627MBS01

Tot Ion: 43 Resp: 368272

Ion Ratio Lower Upper

43 100

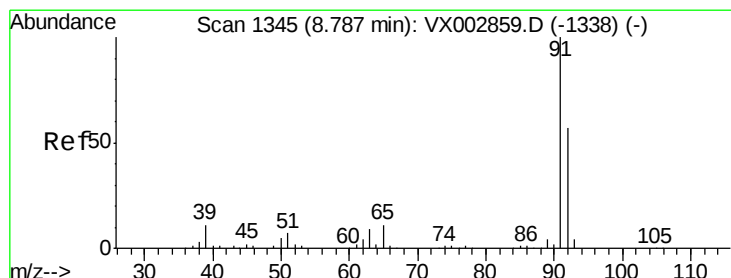
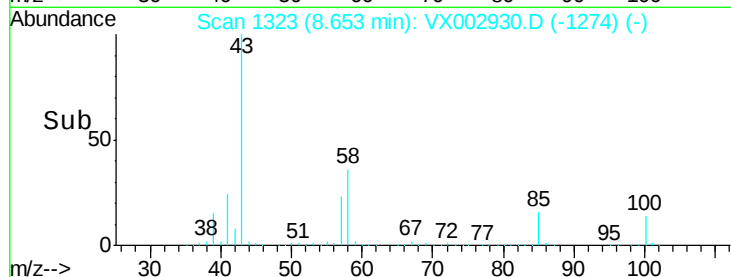
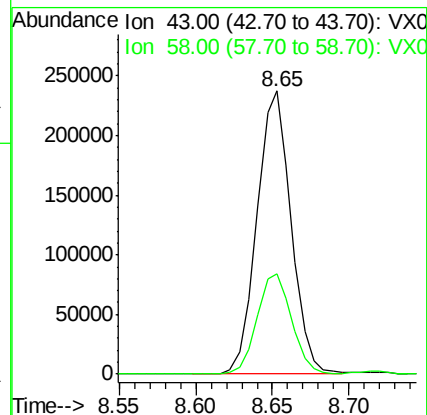
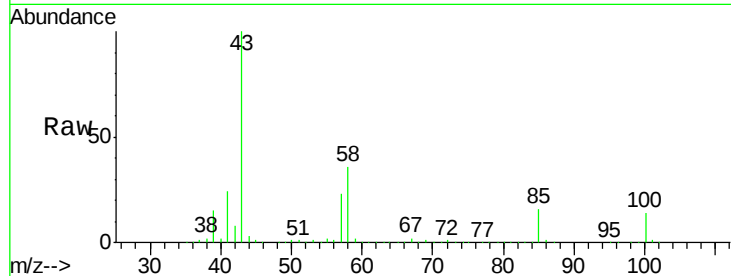
58 36.0 28.6 42.8

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#52

Toluene

Concen: 18.43 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX002930.D

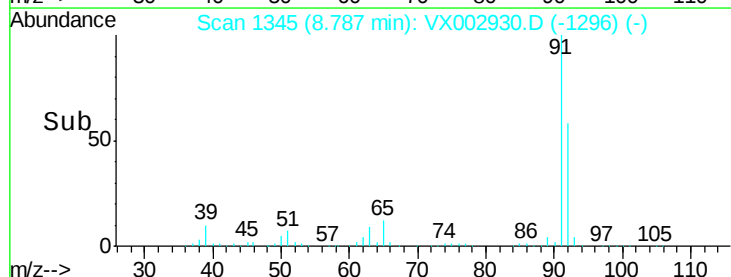
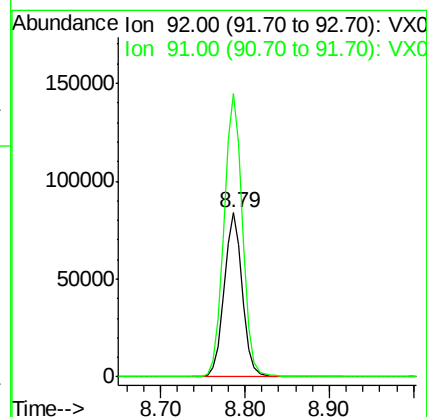
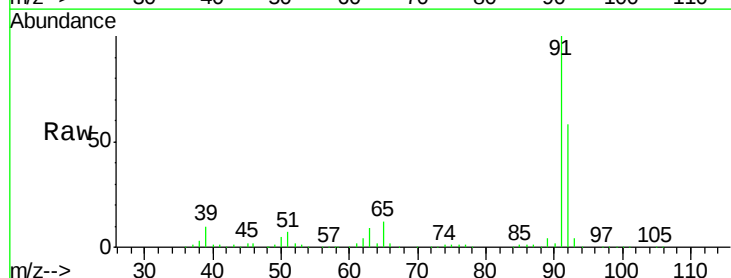
Acq: 27 Jun 2018 12:32

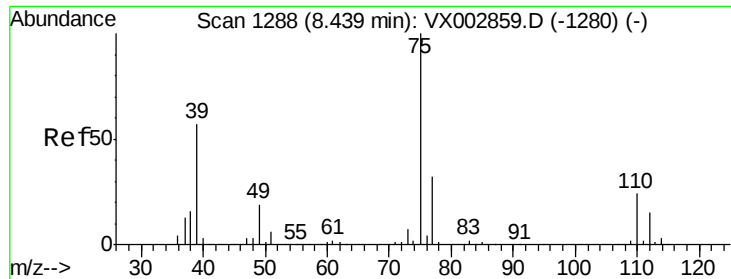
Tgt Ion: 92 Resp: 124664

Ion Ratio Lower Upper

92 100

91 176.7 140.4 210.6





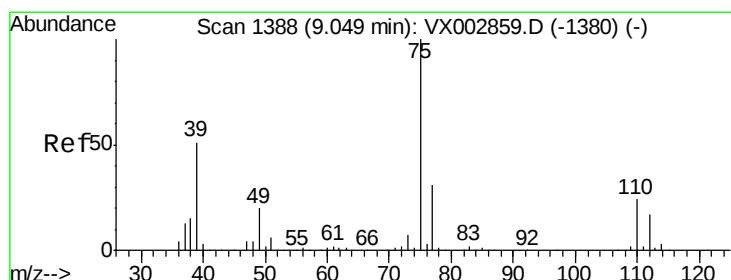
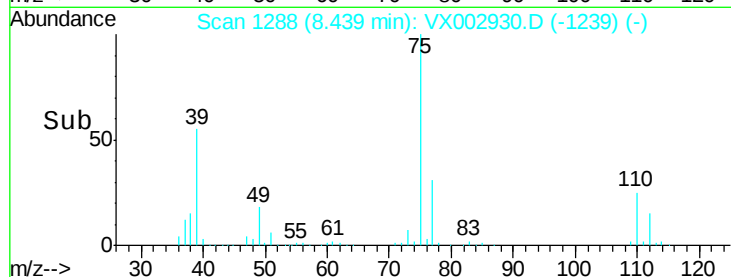
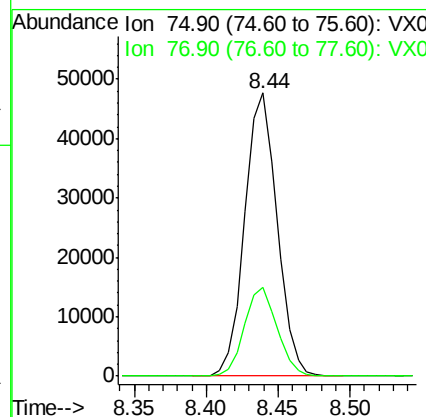
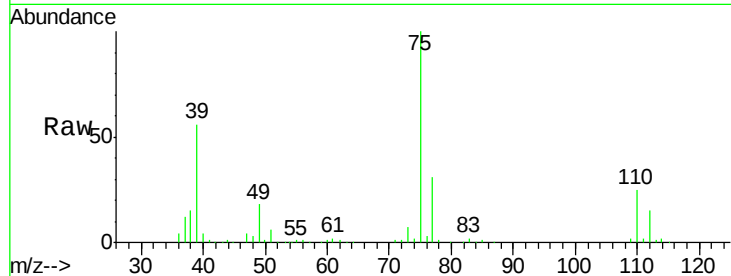
#53
t-1,3-Dichloropropene
Concen: 18.28 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX002930.D
Acq: 27 Jun 2018 12:32

Instrument :
MSVOA_X
ClientSampleId :
VX0627MBS01

Tot Ion: 75 Resp: 74375
Ion Ratio Lower Upper
75 100
77 31.4 25.4 38.2

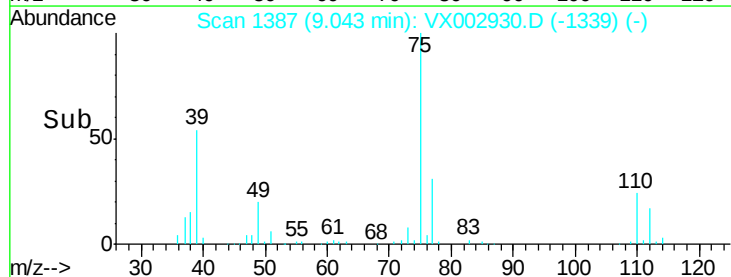
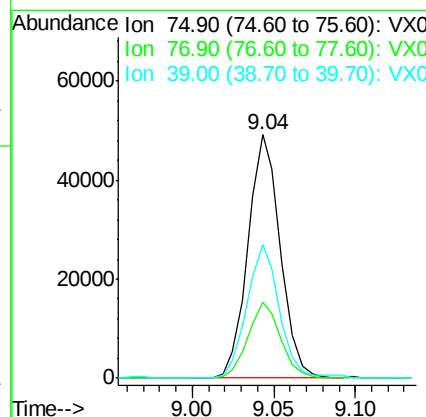
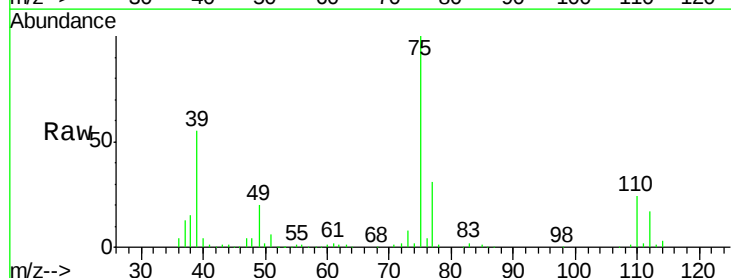
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#54
cis-1,3-Dichloropropene
Concen: 17.37 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.01 min
Lab File: VX002930.D
Acq: 27 Jun 2018 12:32

Tgt Ion: 75 Resp: 67990
Ion Ratio Lower Upper
75 100
77 31.2 24.8 37.2
39 54.5 42.4 63.6





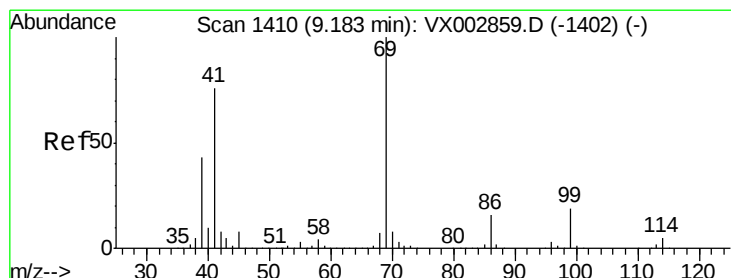
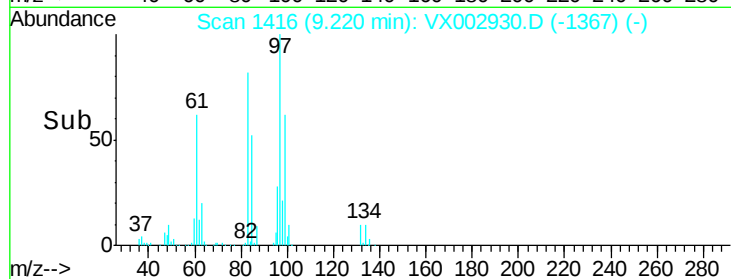
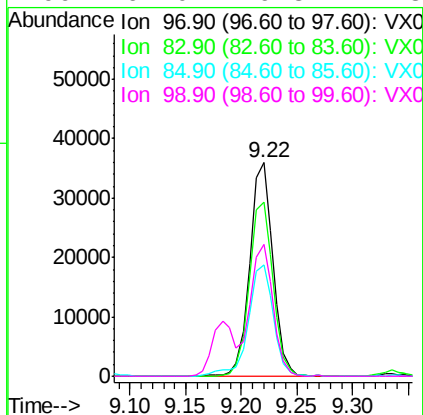
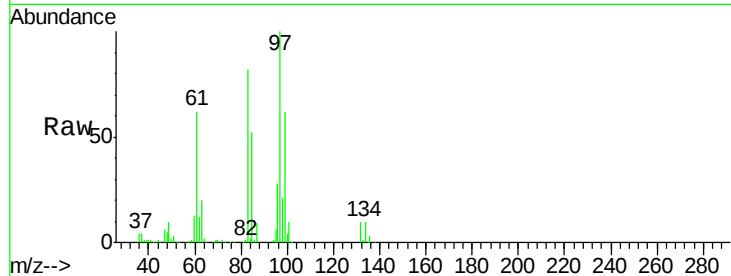
#55
 1,1,2-Trichloroethane
 Concen: 18.67 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX002930.D
 Acq: 27 Jun 2018 12:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627MBS01

Tot Ion	97	Resp:	51871
Ion	Ratio	Lower	Upper
97	100		
83	81.6	70.2	105.2
85	52.1	44.9	67.3
99	62.0	49.8	74.8

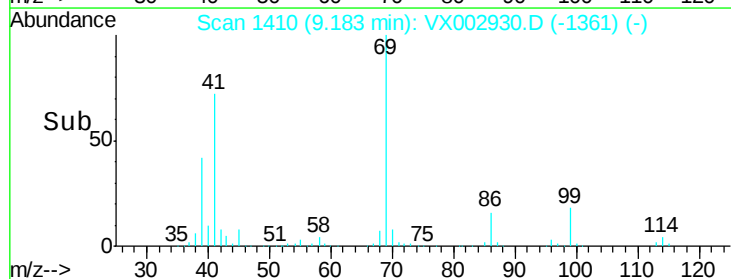
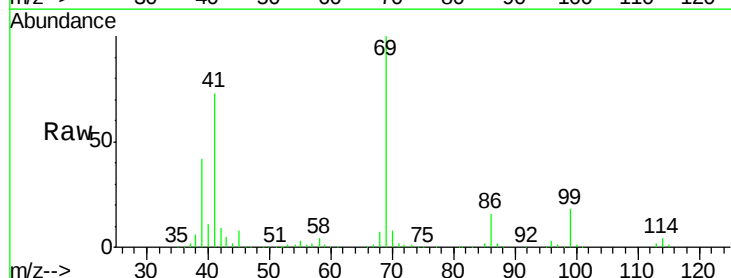
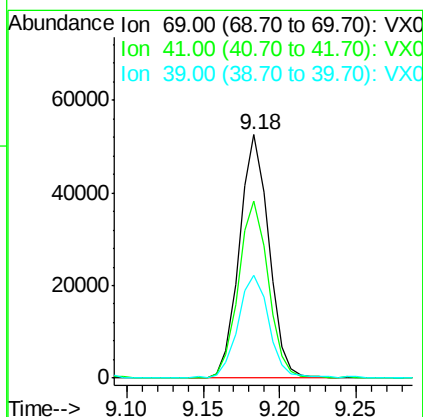
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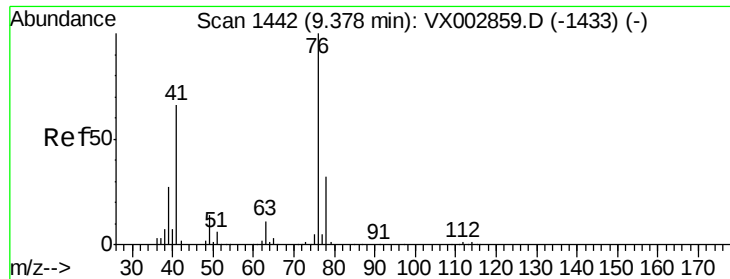
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#56
 Ethyl methacrylate
 Concen: 17.41 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX002930.D
 Acq: 27 Jun 2018 12:32

Tgt Ion	69	Resp:	70698
Ion	Ratio	Lower	Upper
69	100		
41	73.0	60.3	90.5
39	43.3	35.8	53.8





#57

1,3-Dichloropropane

Concen: 18.22 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

VX0627MBS01

Tot Ion: 76 Resp: 83162

Ion Ratio Lower Upper

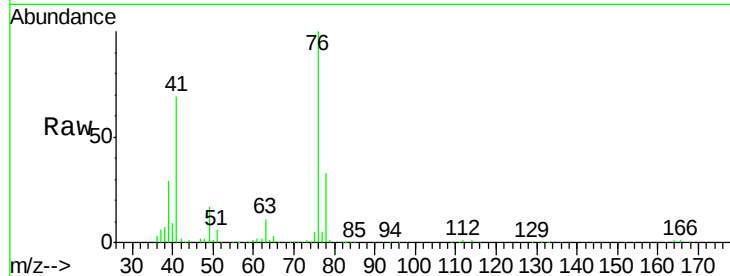
76 100

78 32.4 25.8 38.6

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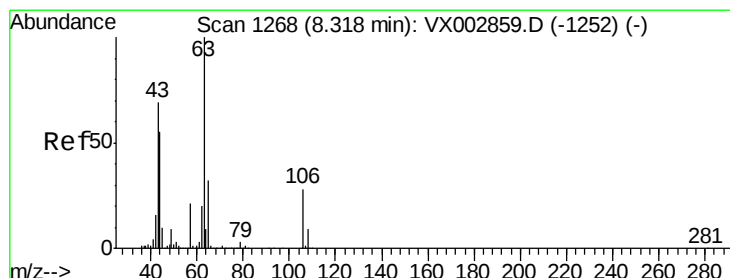
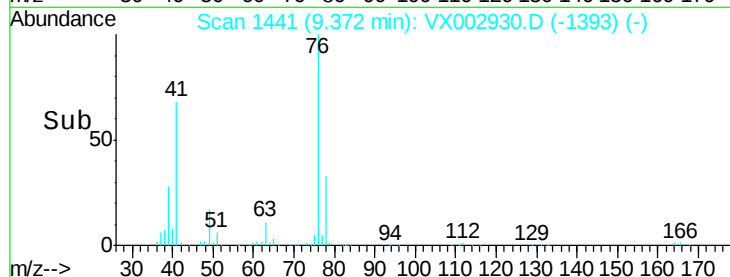
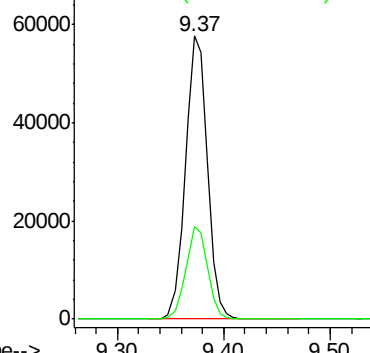
MMDadoda

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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: 59.91 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX002930.D

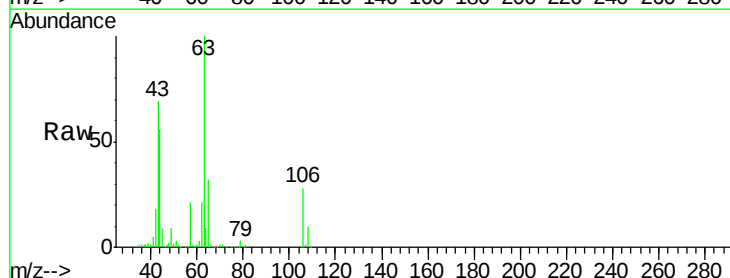
Acq: 27 Jun 2018 12:32

Tgt Ion: 63 Resp: 117383

Ion Ratio Lower Upper

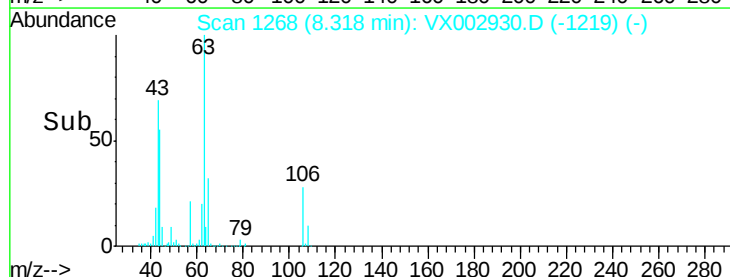
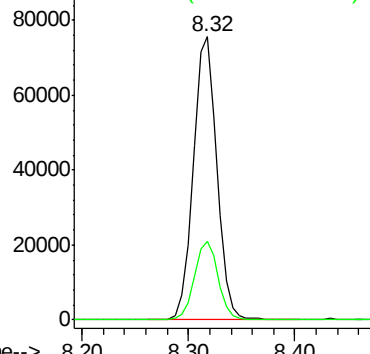
63 100

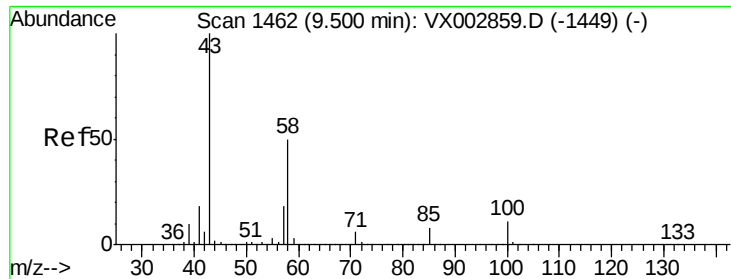
106 27.9 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





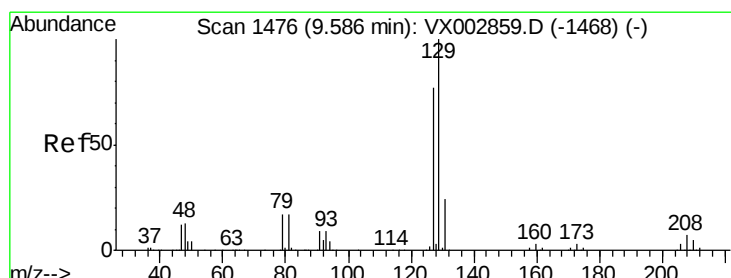
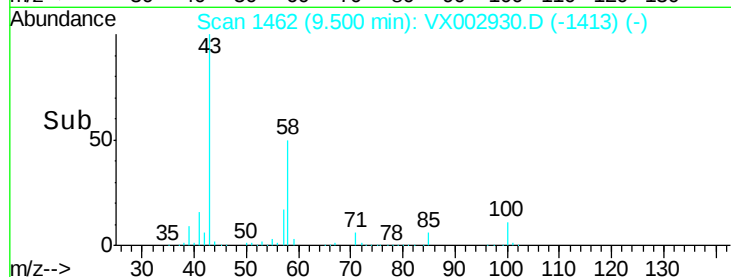
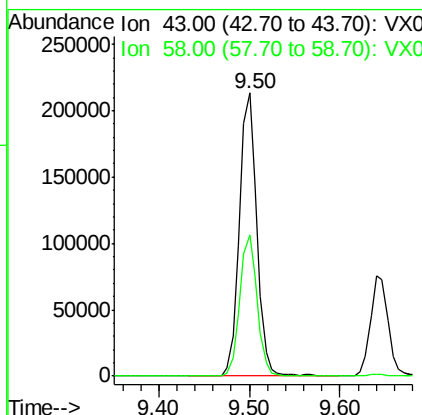
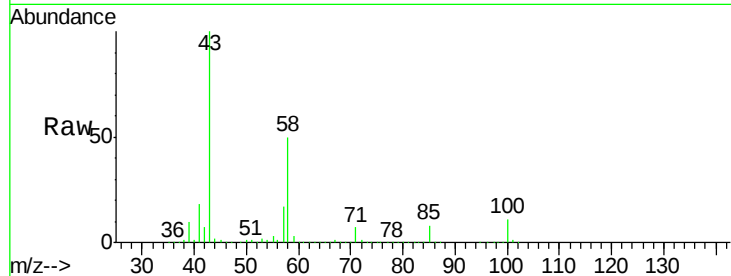
#59
2-Hexanone
Concen: 91.14 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX002930.D
Acq: 27 Jun 2018 12:32

Instrument :
MSVOA_X
ClientSampleId :
VX0627MBS01

Tot Ion: 43 Resp: 284337
Ion Ratio Lower Upper
43 100
58 50.1 24.6 73.6

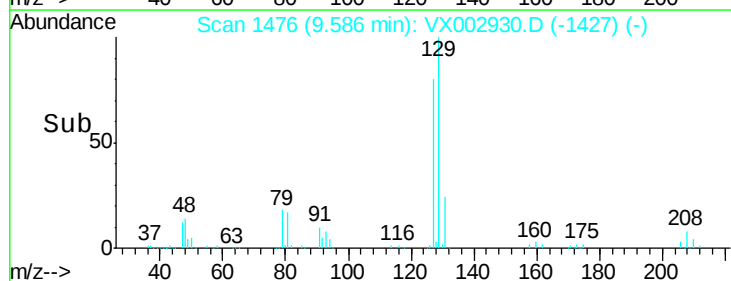
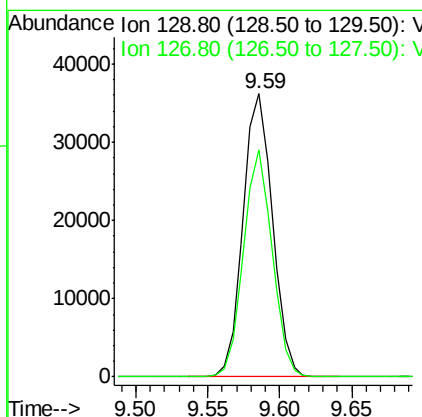
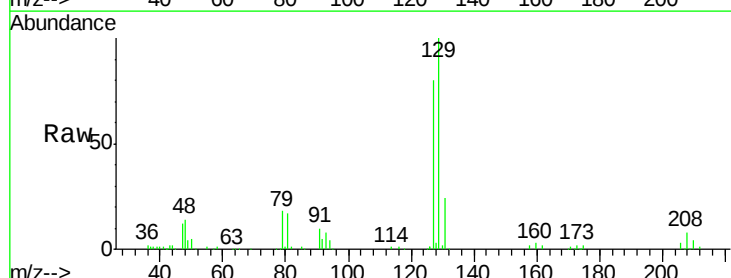
Manual Integrations
APPROVED

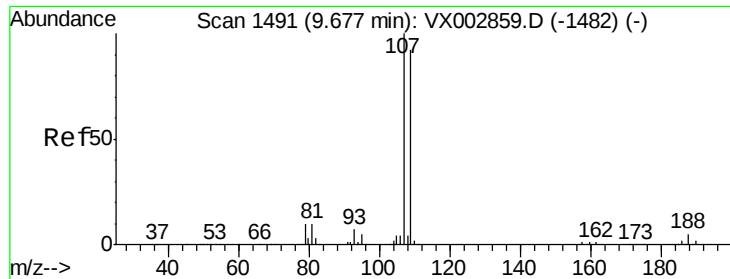
MMDadoda
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#60
Dibromochloromethane
Concen: 17.57 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX002930.D
Acq: 27 Jun 2018 12:32

Tgt Ion: 129 Resp: 51403
Ion Ratio Lower Upper
129 100
127 77.8 38.5 115.3





#61

1,2-Dibromoethane

Concen: 18.30 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

VX0627MBS01

Tot Ion:107 Resp: 53335

Ion Ratio Lower Upper

107 100

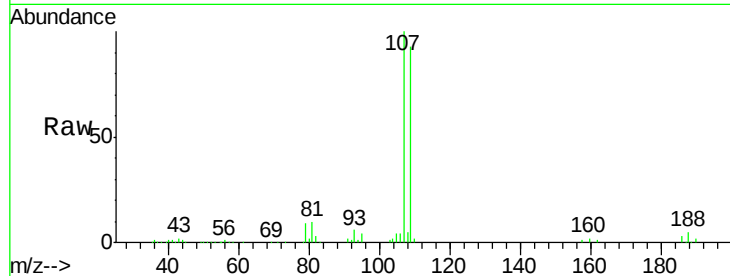
109 94.0 75.3 112.9

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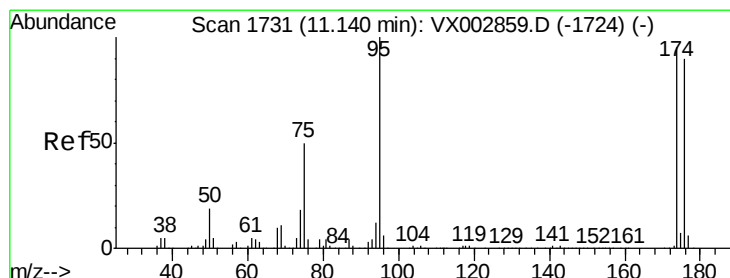
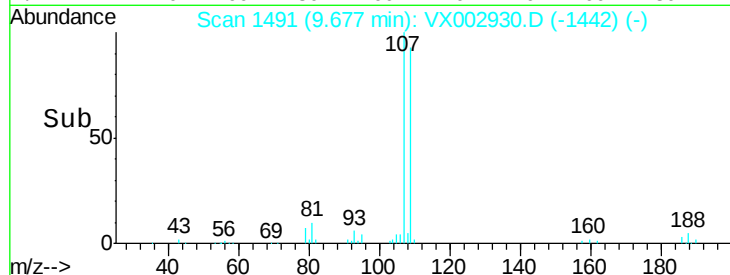
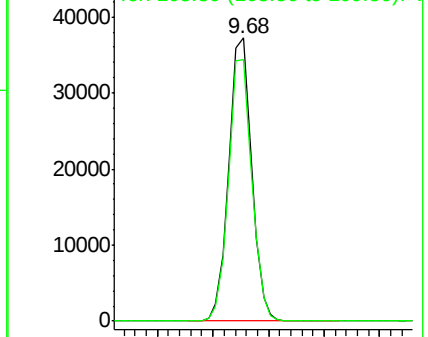
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 45.20 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

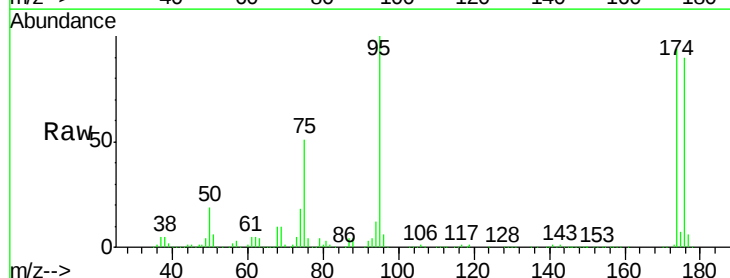
Tgt Ion: 95 Resp: 167010

Ion Ratio Lower Upper

95 100

174 94.6 0.0 187.4

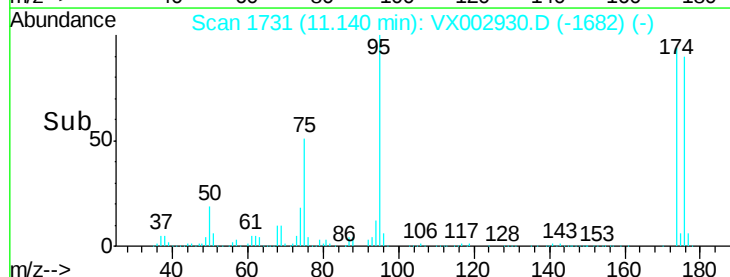
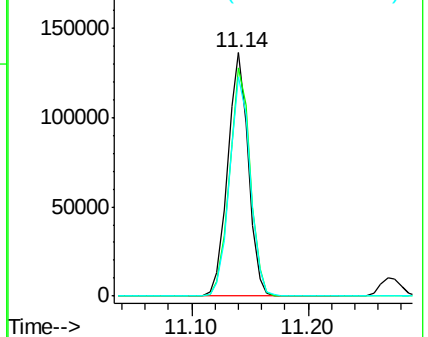
176 91.6 0.0 181.0

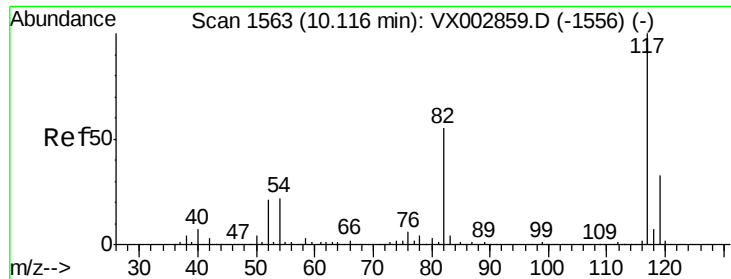


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

VX0627MBS01

Tot Ion:117 Resp: 313888

Ion Ratio Lower Upper

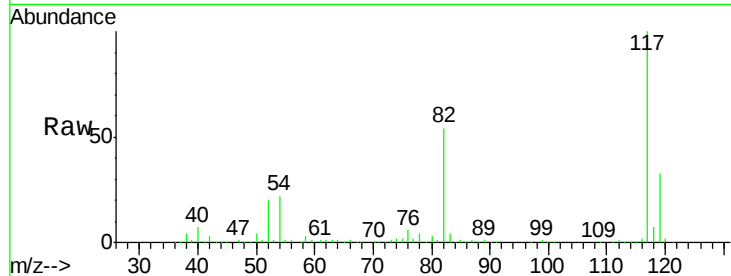
117 100

82 53.6 45.0 67.4

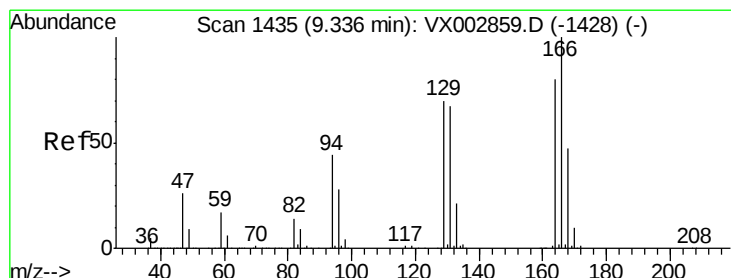
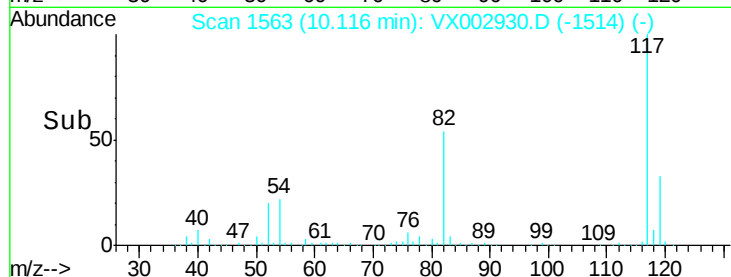
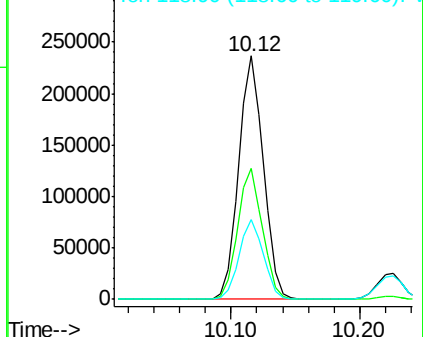
119 32.7 25.8 38.6

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Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 18.14 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. 0.00 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Tgt Ion:164 Resp: 63322

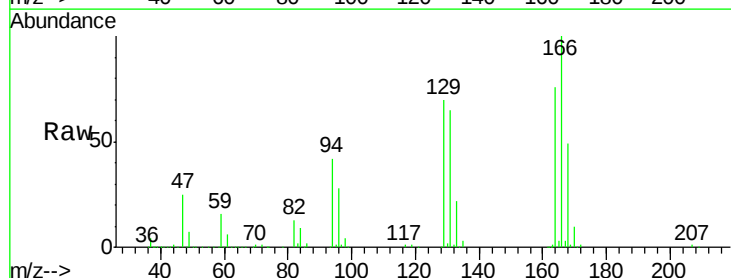
Ion Ratio Lower Upper

164 100

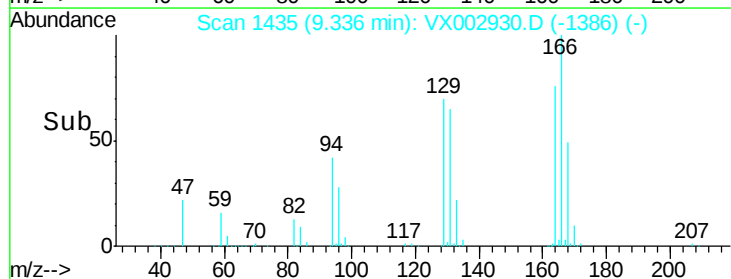
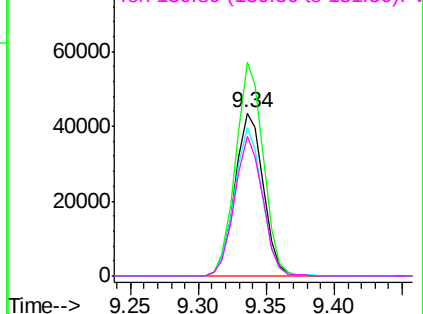
166 130.9 102.9 154.3

129 91.0 68.6 102.8

131 85.5 66.8 100.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





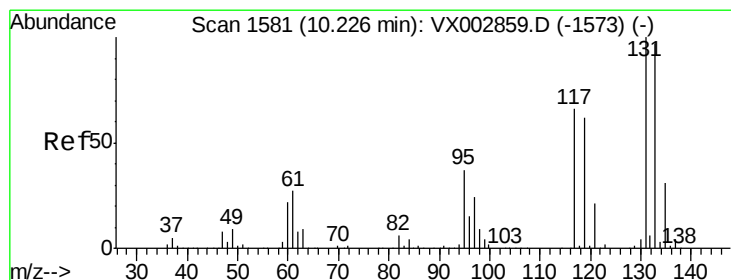
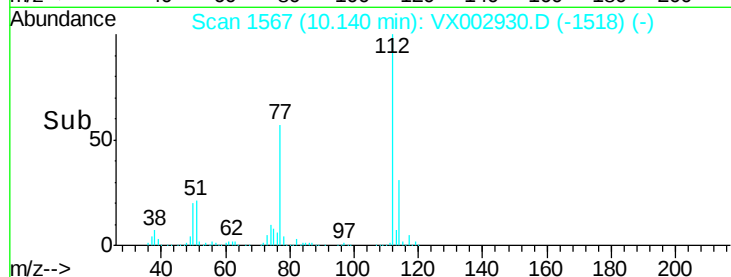
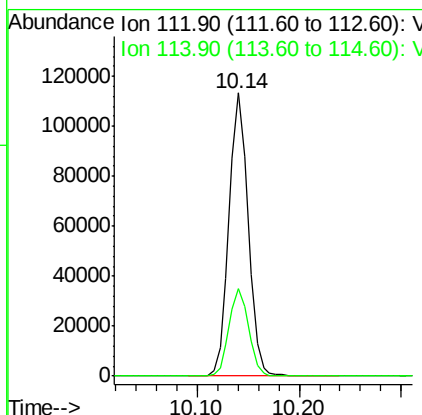
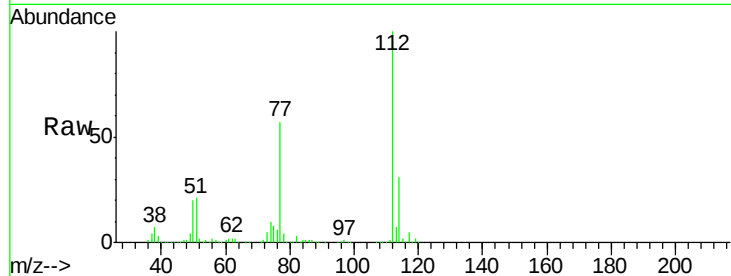
#65
Chlorobenzene
Concen: 18.42 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX002930.D
Acq: 27 Jun 2018 12:32

Instrument :
MSVOA_X
ClientSampleId :
VX0627MBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.1	25.3	37.9

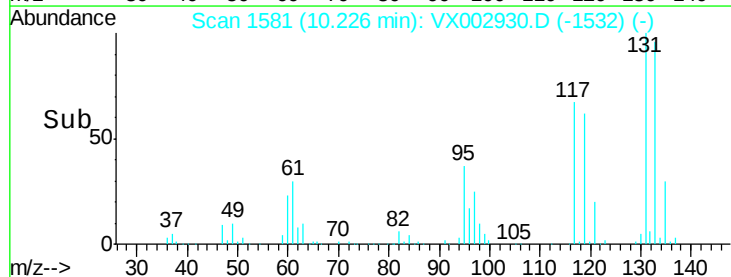
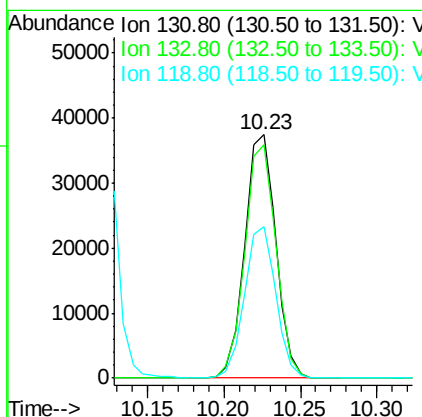
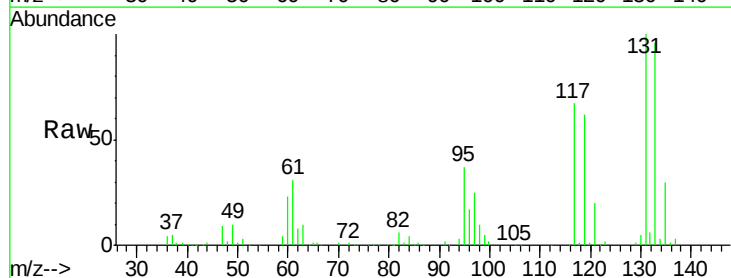
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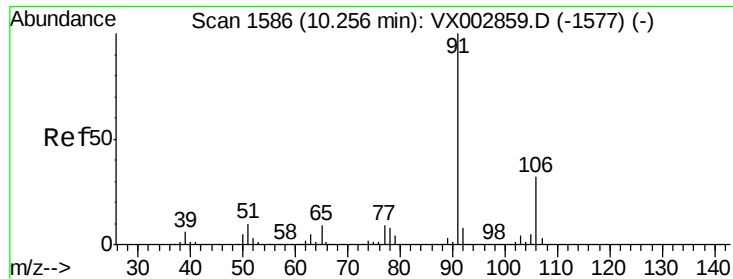
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.28 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX002930.D
Acq: 27 Jun 2018 12:32

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.9	47.9	143.6
119	62.4	31.8	95.3





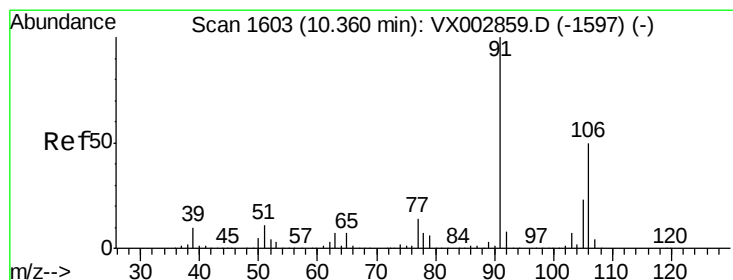
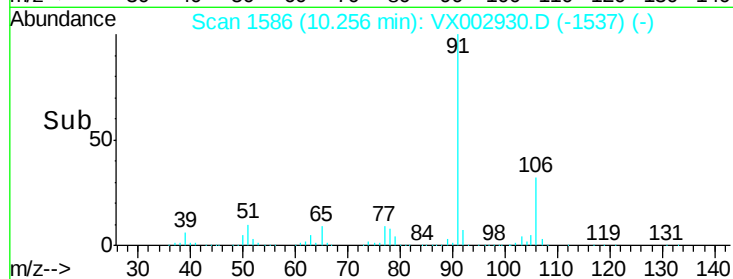
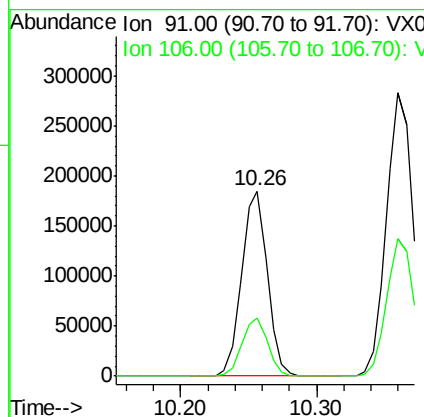
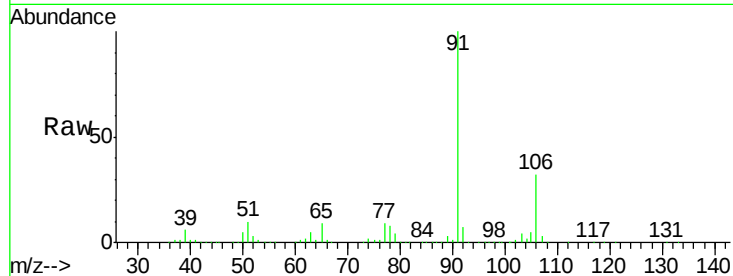
#67
Ethyl Benzene
Concen: 18.48 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX002930.D
Acq: 27 Jun 2018 12:32

Instrument :
MSVOA_X
ClientSampleId :
VX0627MBS01

Tot Ion: 91 Resp: 243329
Ion Ratio Lower Upper
91 100
106 31.5 25.5 38.3

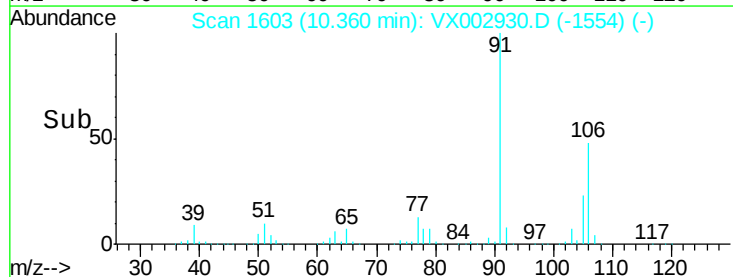
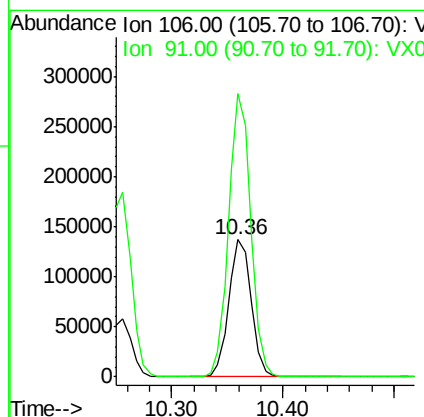
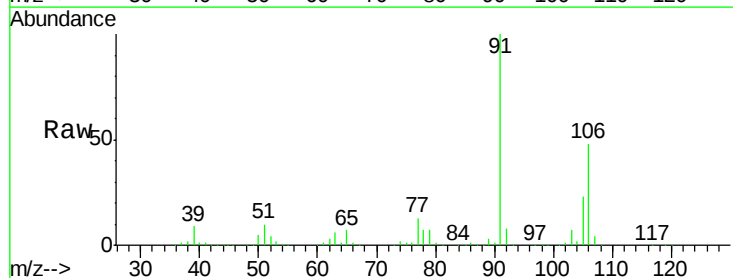
Manual Integrations
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#68
m/p-Xylenes
Concen: 37.59 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX002930.D
Acq: 27 Jun 2018 12:32

Tgt Ion: 106 Resp: 190786
Ion Ratio Lower Upper
106 100
91 203.2 163.4 245.2





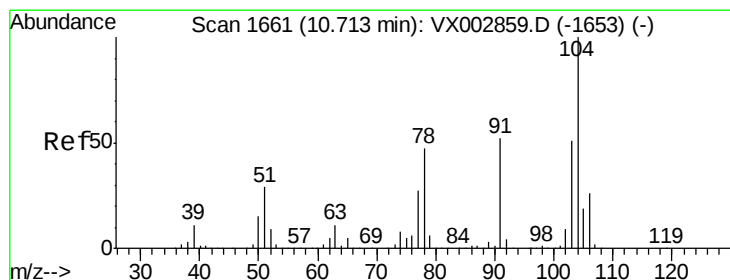
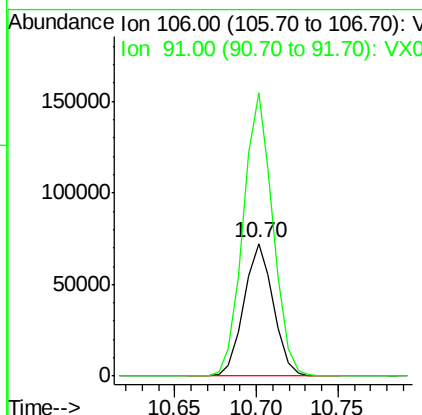
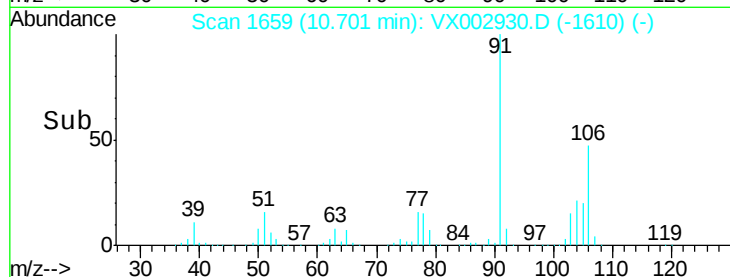
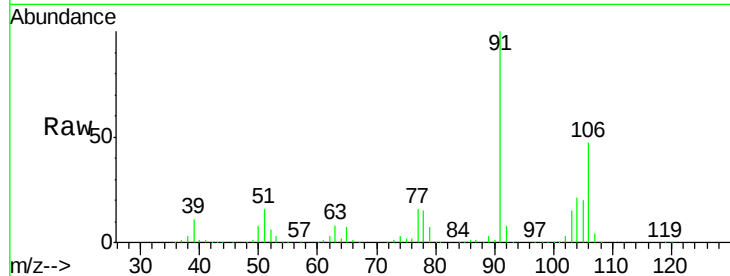
#69
o-Xylene
Concen: 18.49 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002930.D
Acq: 27 Jun 2018 12:32

Instrument :
MSVOA_X
ClientSampleId :
VX0627MBS01

Tot Ion:106 Resp: 91395
Ion Ratio Lower Upper
106 100
91 215.3 108.2 324.6

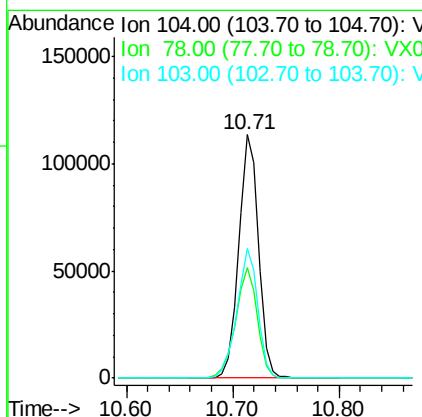
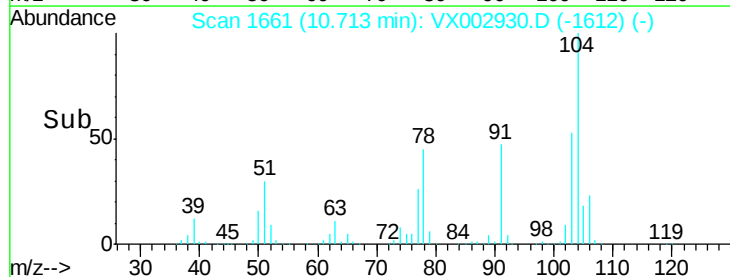
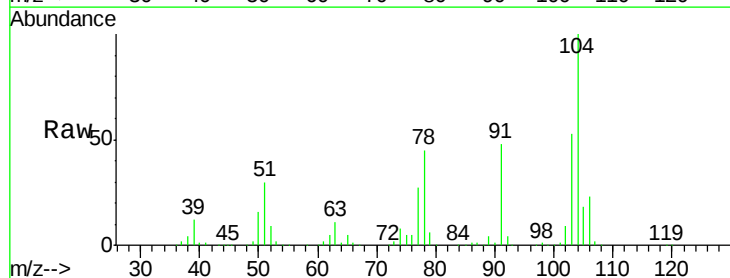
Manual Integrations
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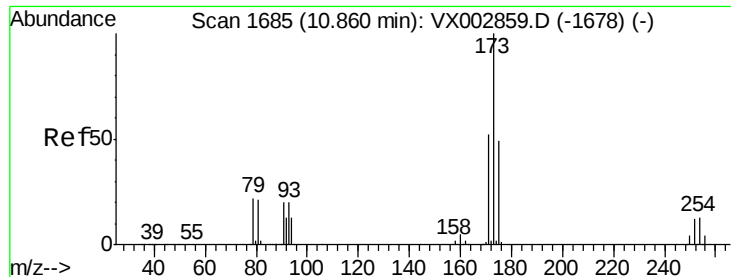
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#70
Styrene
Concen: 18.53 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX002930.D
Acq: 27 Jun 2018 12:32

Tgt Ion:104 Resp: 148826
Ion Ratio Lower Upper
104 100
78 49.8 41.0 61.6
103 56.2 44.2 66.4





#71

Bromoform

Concen: 17.65 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

VX0627MBS01

Tot Ion:173 Resp: 39032

Ion Ratio Lower Upper

173 100

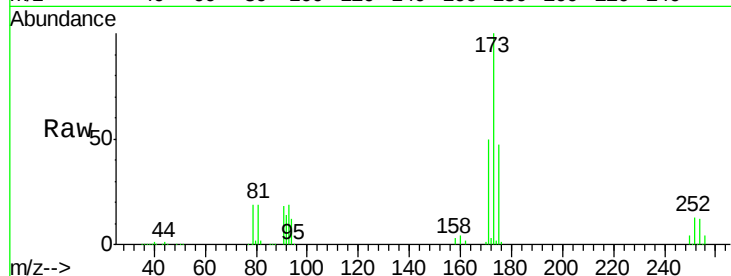
175 49.4 24.7 74.1

254 0.1 0.2 0.2#

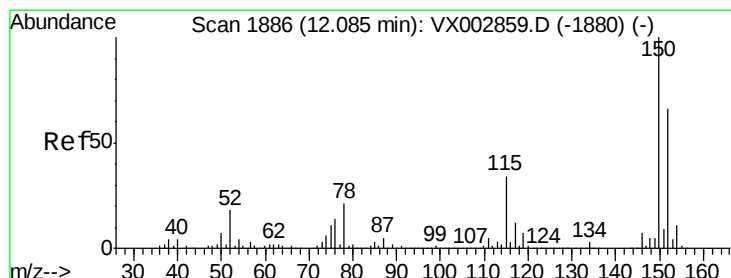
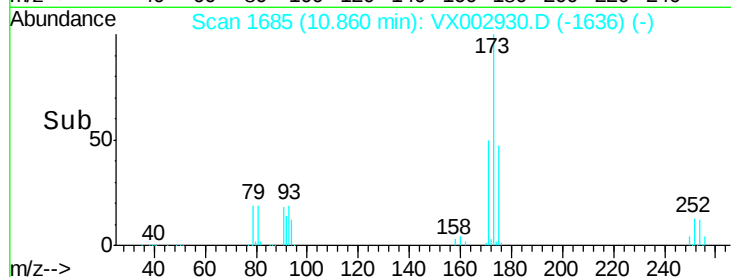
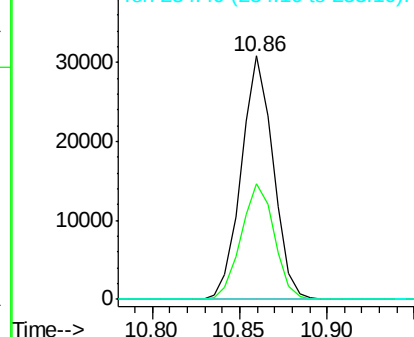
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

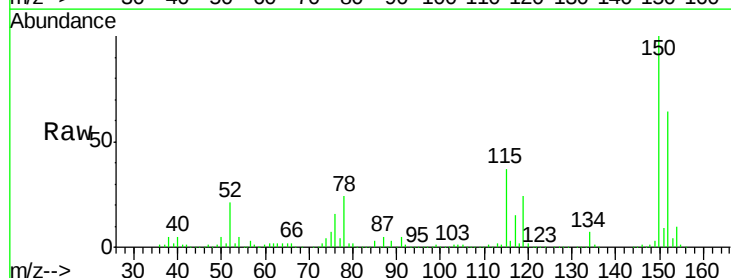
Tgt Ion:152 Resp: 199171

Ion Ratio Lower Upper

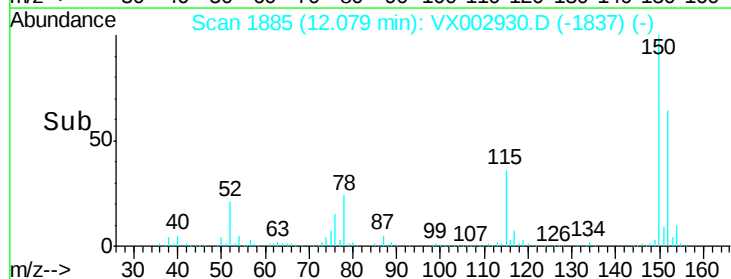
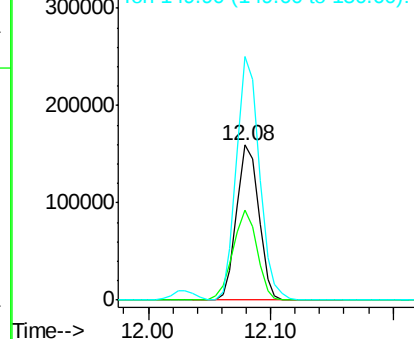
152 100

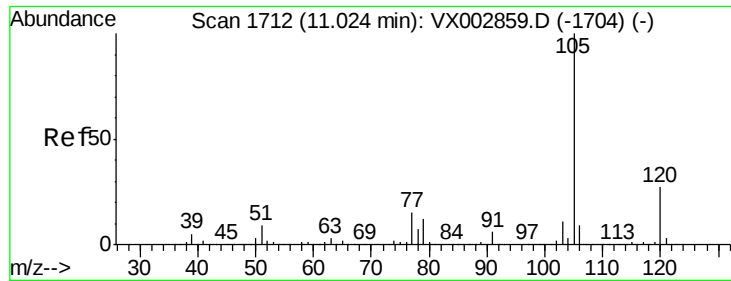
115 63.3 40.1 120.2

150 162.7 0.0 347.2



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: 18.86 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.01 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

VX0627MBS01

Tot Ion:105 Resp: 252638

Ion Ratio Lower Upper

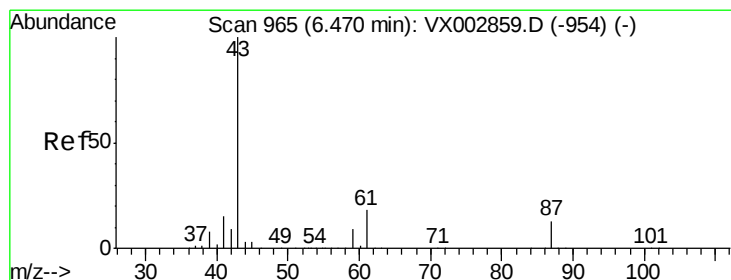
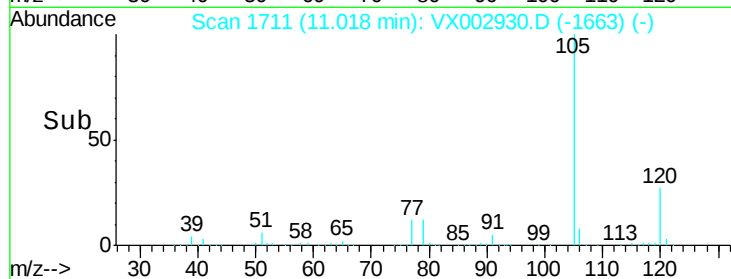
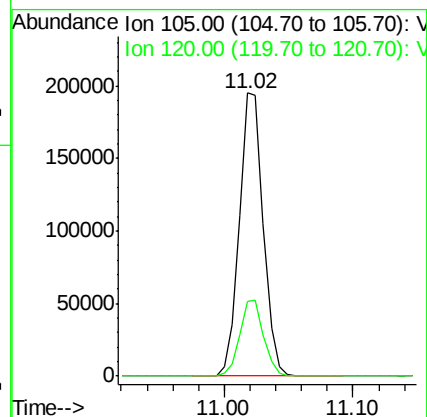
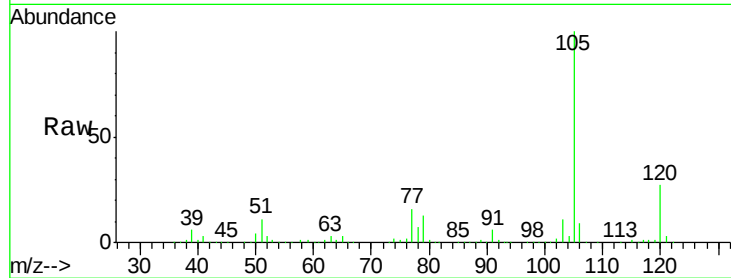
105 100

120 26.8 13.5 40.4

Manual Integrations
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#74

N-ethyl acetate

Concen: 17.21 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Tgt Ion: 43 Resp: 112850

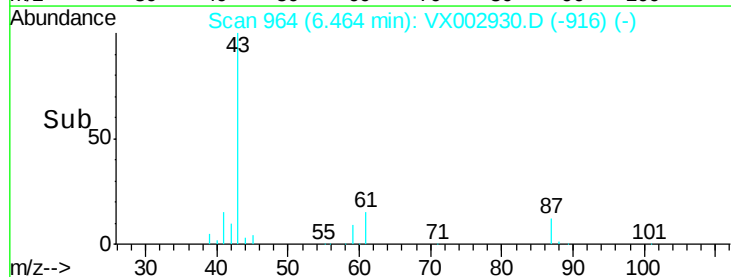
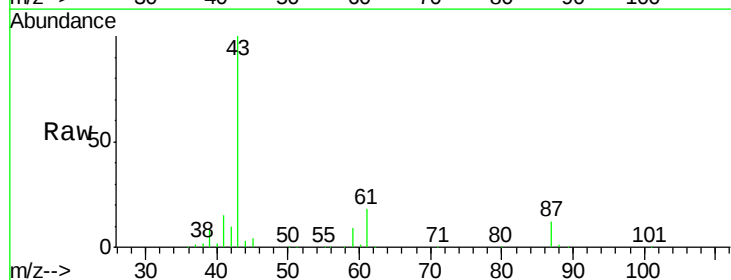
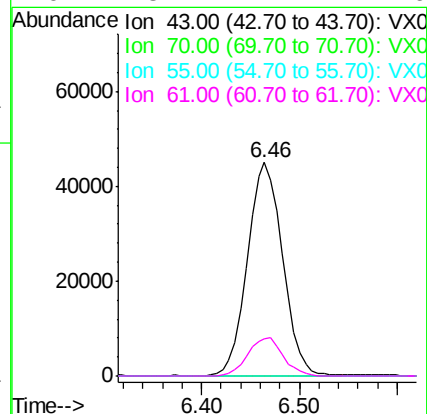
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0#

55 0.2 0.0 0.0#

61 18.2 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 18.09 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.01 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

VX0627MBS01

Tot Ion: 83 Resp: 74661

Ion Ratio Lower Upper

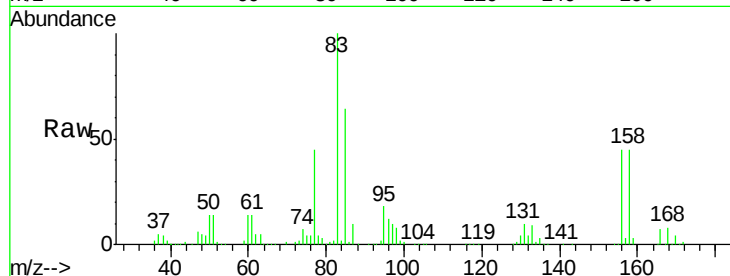
83 100

131 11.3 5.6 16.8

85 64.0 32.4 97.2

Manual Integrations
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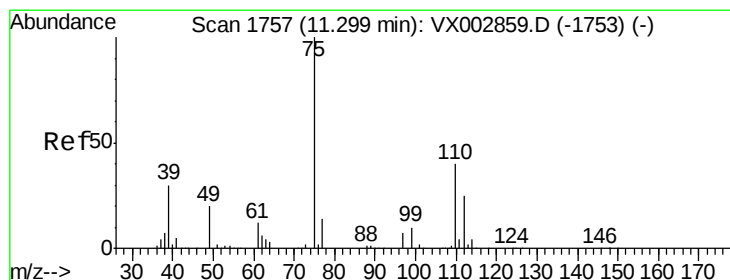
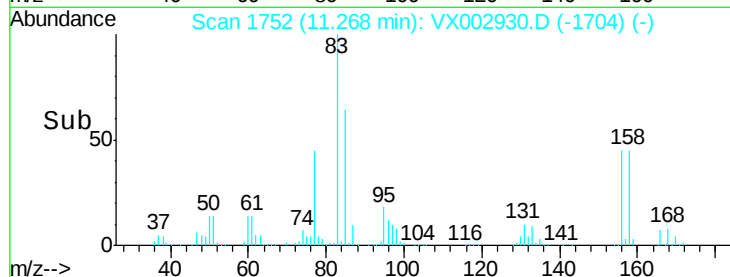
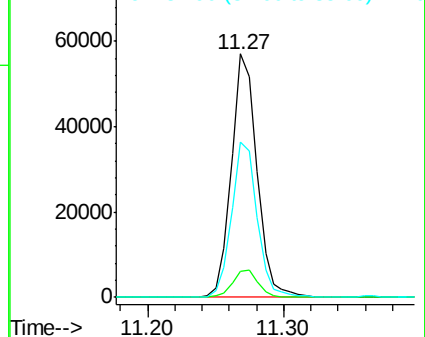
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 18.54 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX002930.D

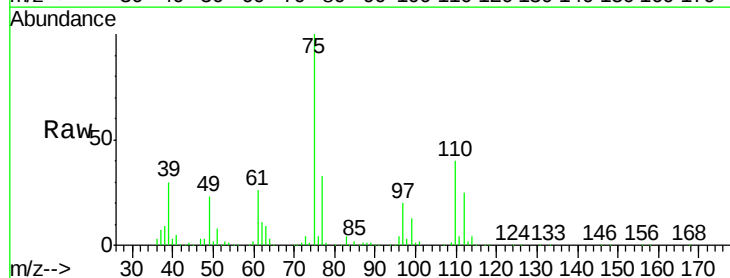
Acq: 27 Jun 2018 12:32

Tgt Ion: 75 Resp: 66875

Ion Ratio Lower Upper

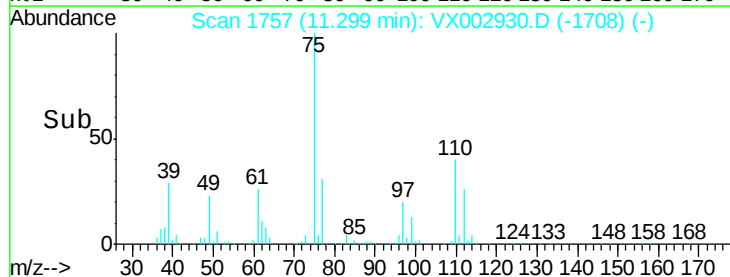
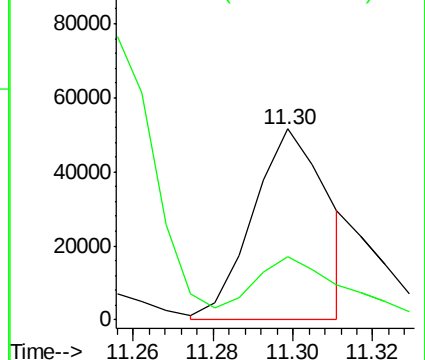
75 100

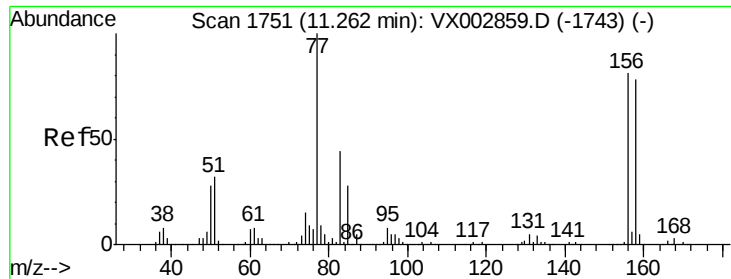
77 40.6 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 18.14 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Instrument :

MSVOA_X

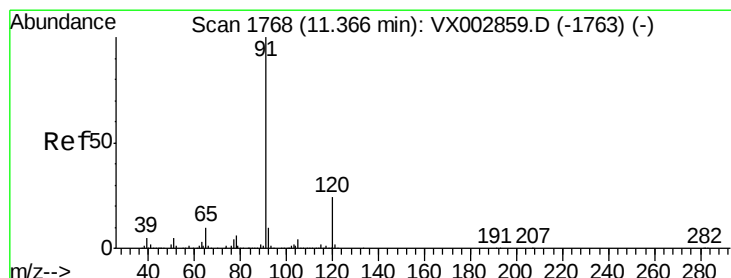
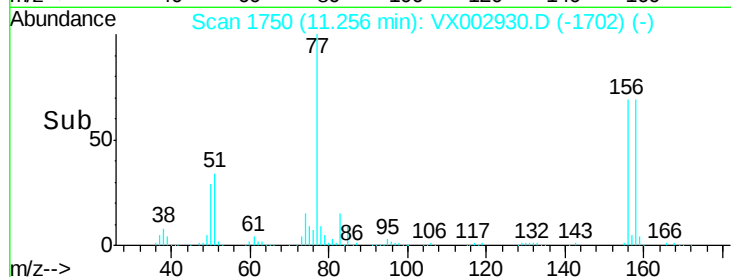
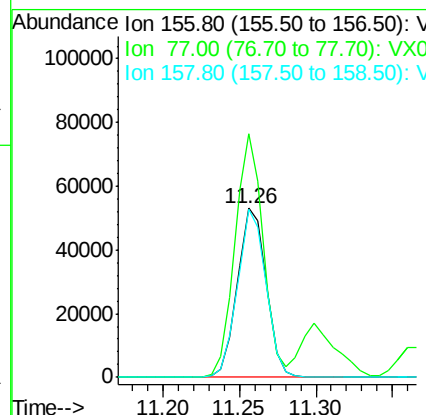
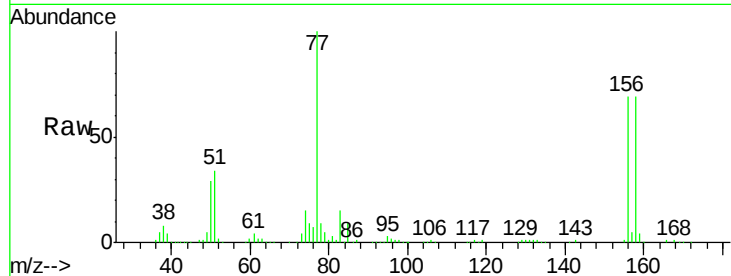
ClientSampleId :

VX0627MBS01

Tot Ion:	156	Resp:	69204
Ion	Ratio	Lower	Upper
156	100		
77	140.7	71.4	214.2
158	98.1	48.9	146.6

Manual Integrations
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#78

n-propylbenzene

Concen: 19.26 ug/l

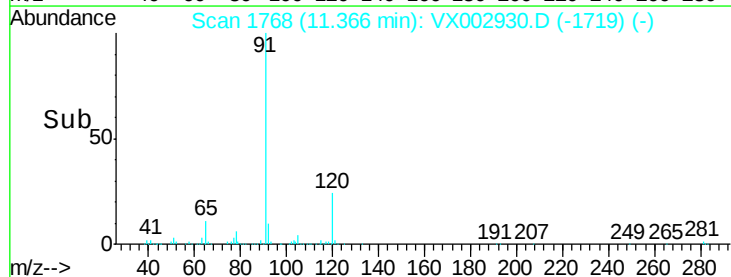
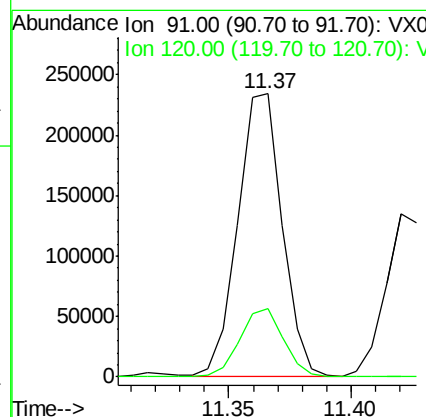
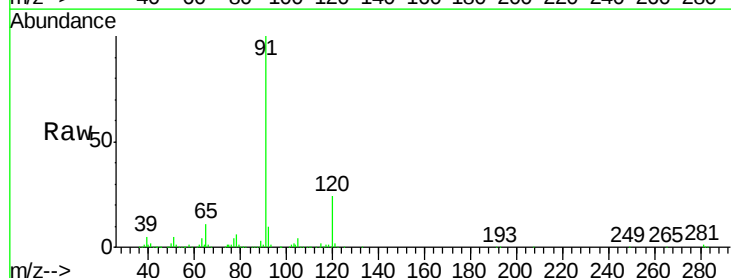
RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Tgt Ion:	91	Resp:	293688
Ion	Ratio	Lower	Upper
91	100		
120	24.0	11.8	35.4





#79

2-Chlorotoluene

Concen: 18.58 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.01 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

VX0627MBS01

Tot Ion: 91 Resp: 171606

Ion Ratio Lower Upper

91 100

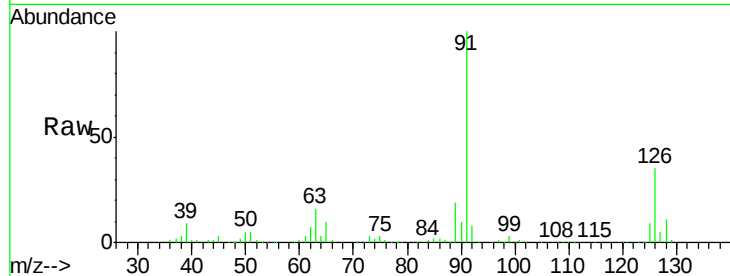
126 36.0 17.7 53.1

Manual Integrations

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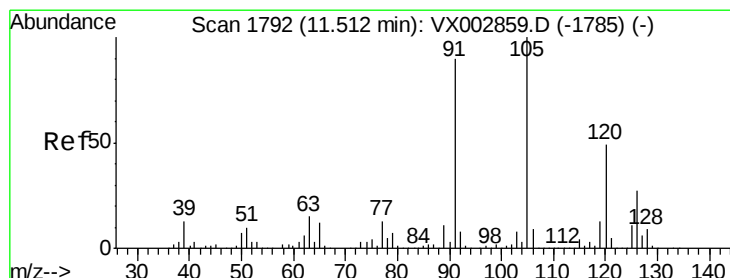
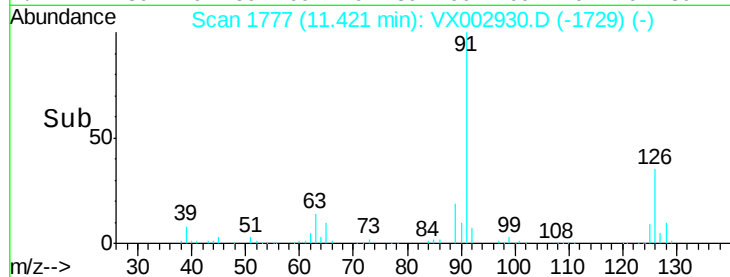
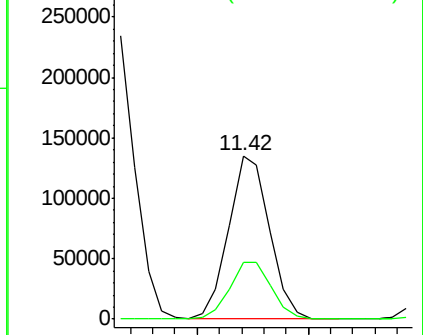
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.04 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002930.D

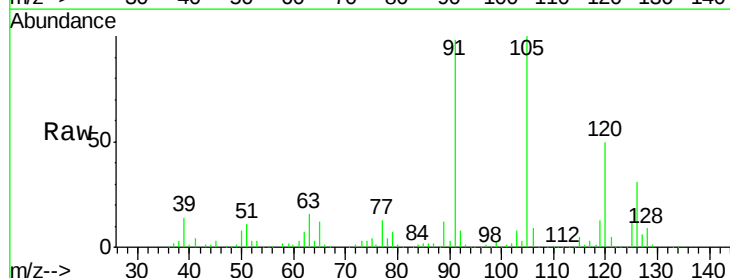
Acq: 27 Jun 2018 12:32

Tgt Ion:105 Resp: 214899

Ion Ratio Lower Upper

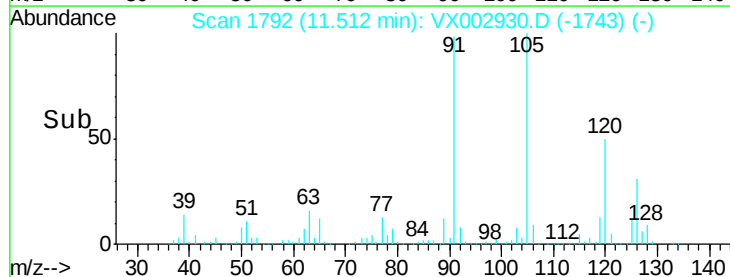
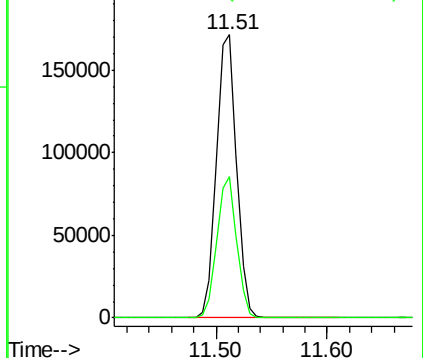
105 100

120 48.9 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 16.69 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

VX0627MBS01

Tot Ion: 75 Resp: 17769

Ion Ratio Lower Upper

75 100

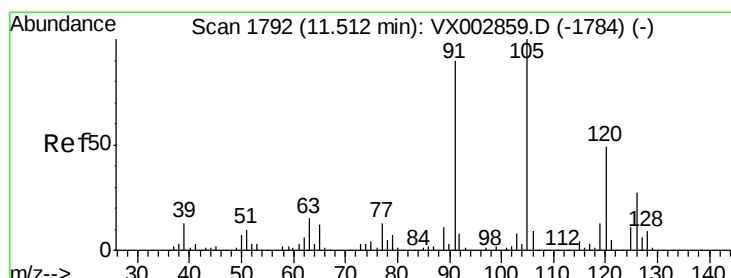
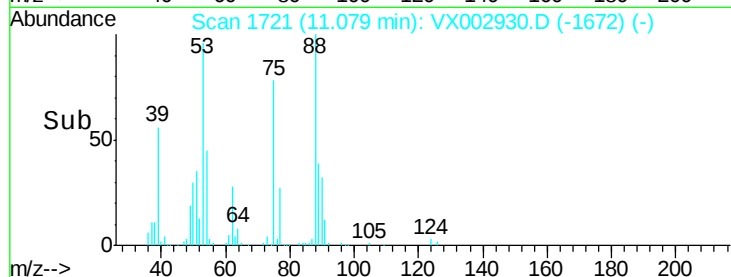
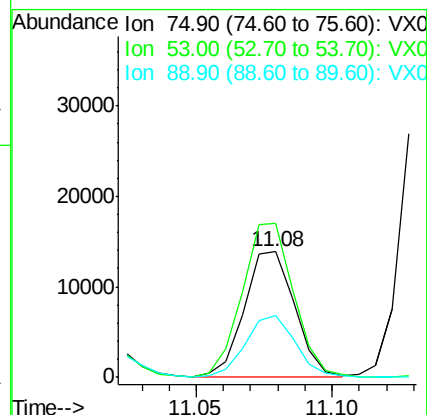
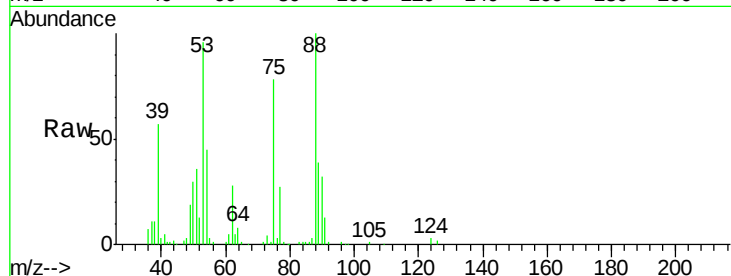
53 125.3 86.8 130.2

89 49.4 38.2 57.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.84 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002930.D

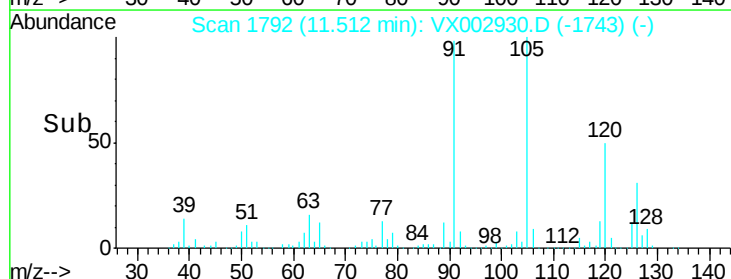
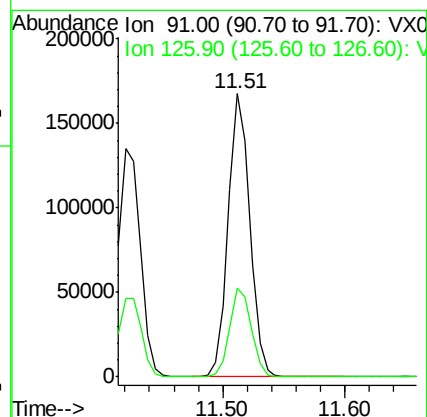
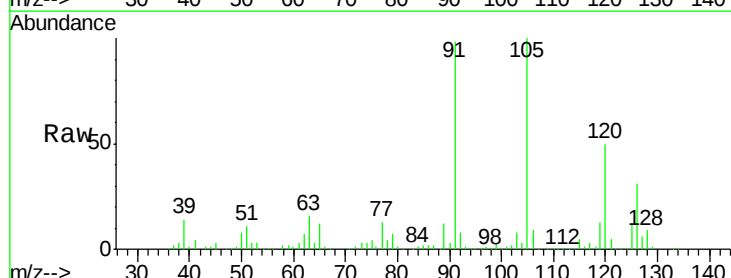
Acq: 27 Jun 2018 12:32

Tgt Ion: 91 Resp: 205914

Ion Ratio Lower Upper

91 100

126 31.2 15.4 46.4





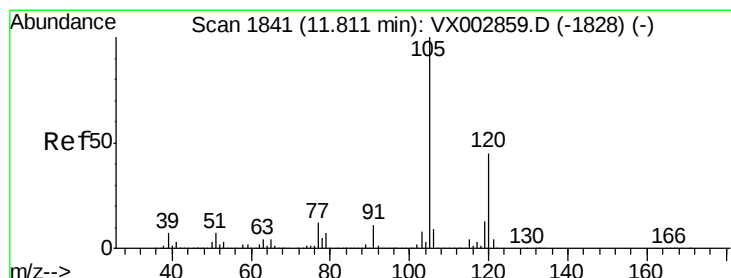
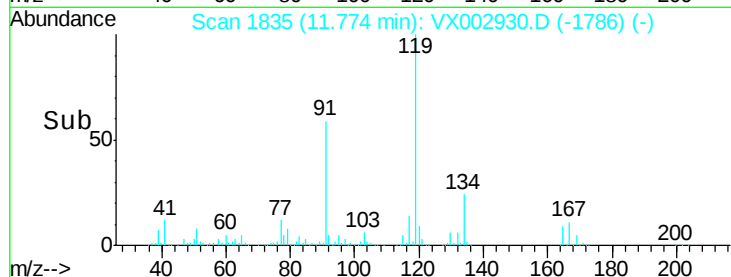
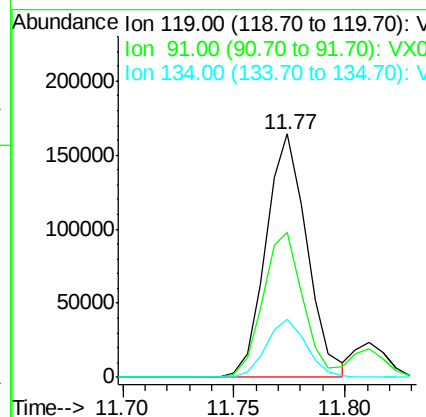
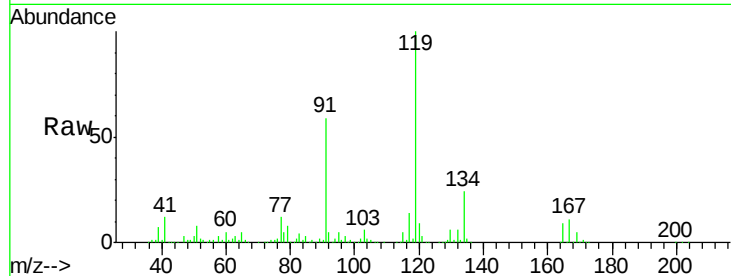
#83
 tert-Butylbenzene
 Concen: 18.95 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX002930.D
 Acq: 27 Jun 2018 12:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	210785		
91	57.6		30.3	90.9
134	23.3		11.7	35.1

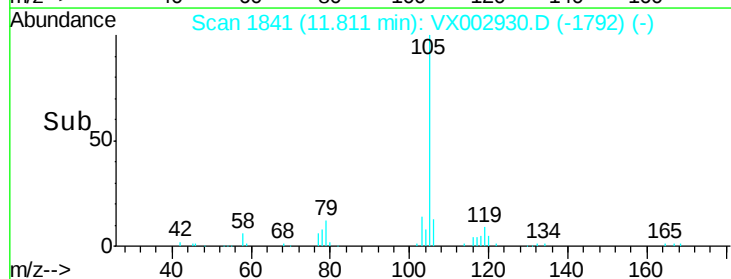
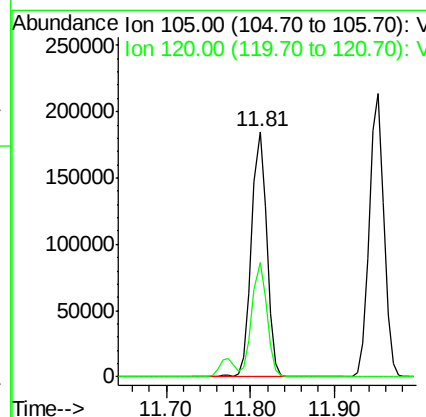
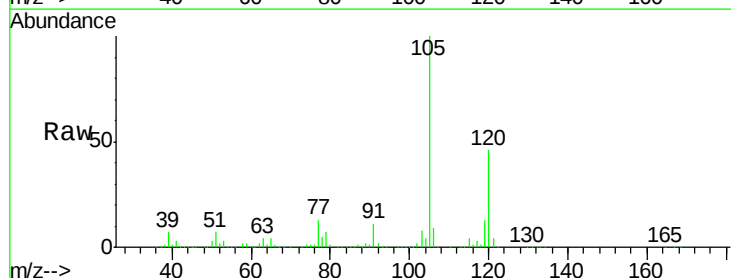
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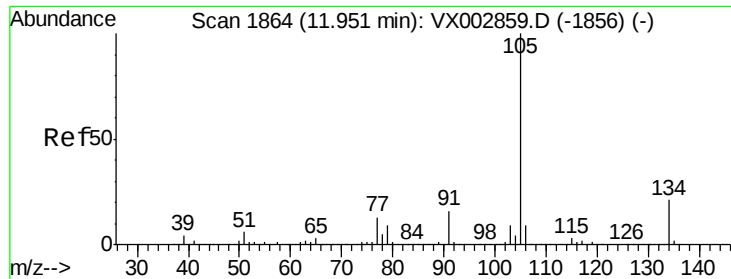
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.96 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX002930.D
 Acq: 27 Jun 2018 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	221691		
120	45.6		22.3	66.8





#85

sec-Butylbenzene

Concen: 19.19 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

VX0627MBS01

Tot Ion:105 Resp: 258864

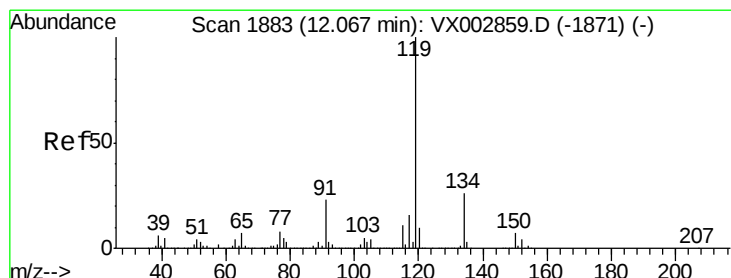
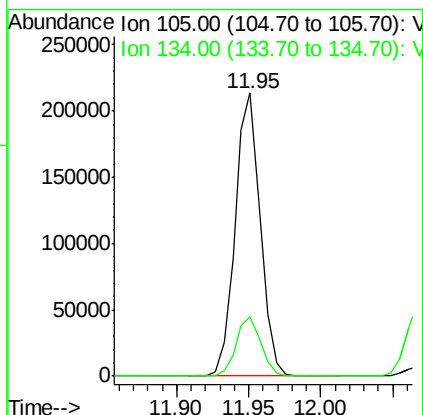
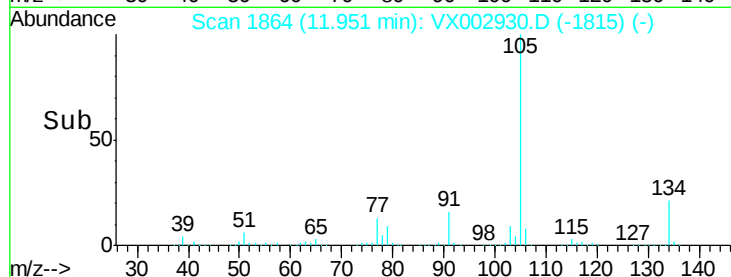
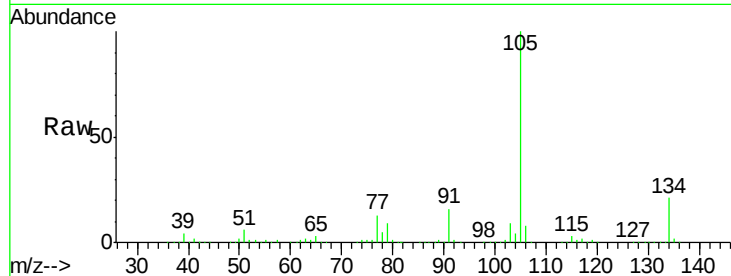
Ion Ratio Lower Upper

105 100

134 20.8 10.4 31.1

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#86

p-Isopropyltoluene

Concen: 19.08 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

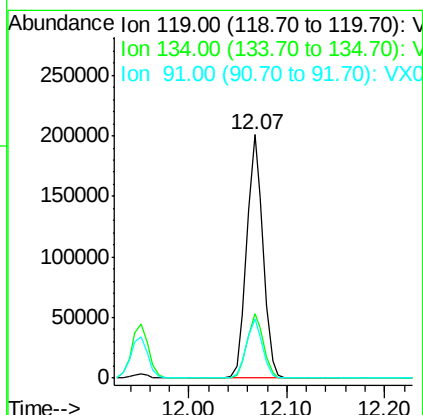
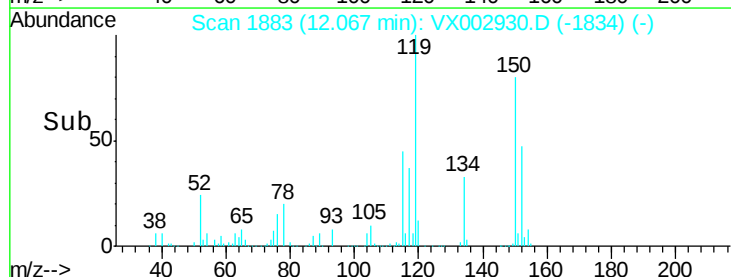
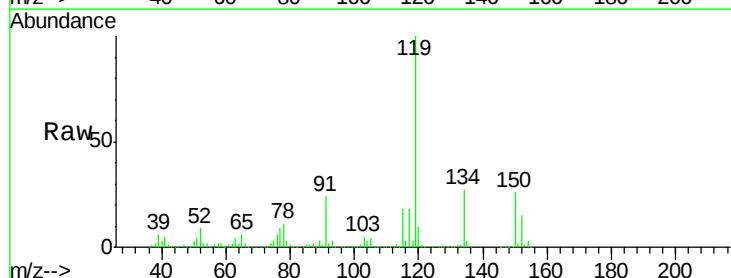
Tgt Ion:119 Resp: 231448

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.1

91 24.1 11.9 35.7





#87

1,3-Dichlorobenzene

Concen: 18.66 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Instrument :

MSVOA_X

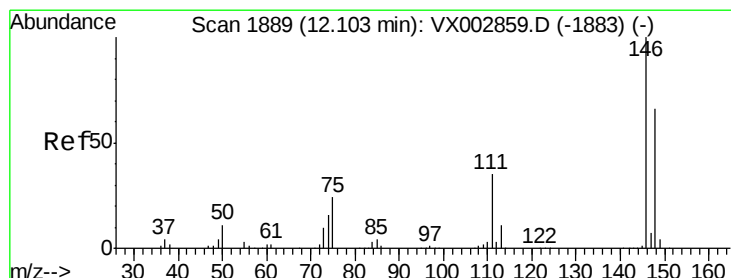
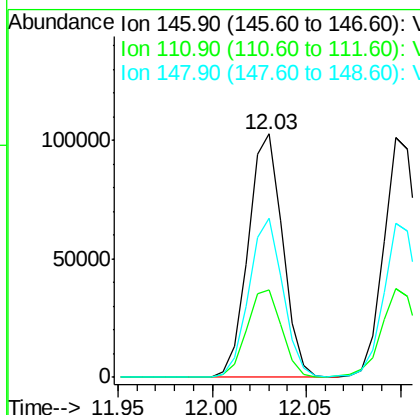
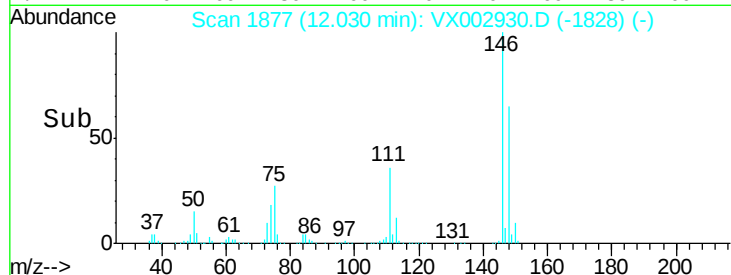
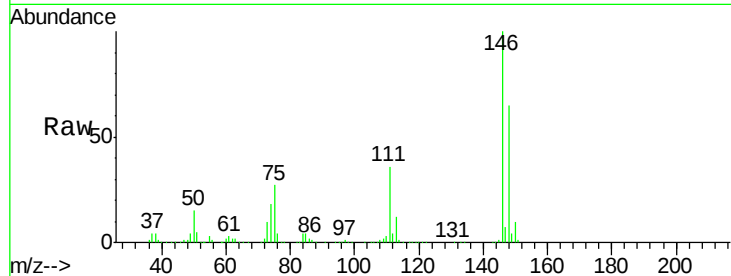
ClientSampleId :

VX0627MBS01

Tot Ion:	146	Resp:	130009
Ion Ratio	Lower	Upper	
146	100		
111	36.7	18.9	56.7
148	64.2	32.1	96.3

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#88

1,4-Dichlorobenzene

Concen: 18.13 ug/l

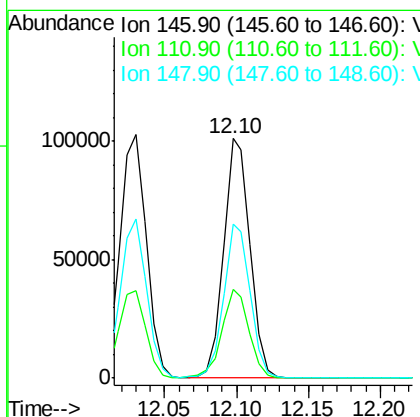
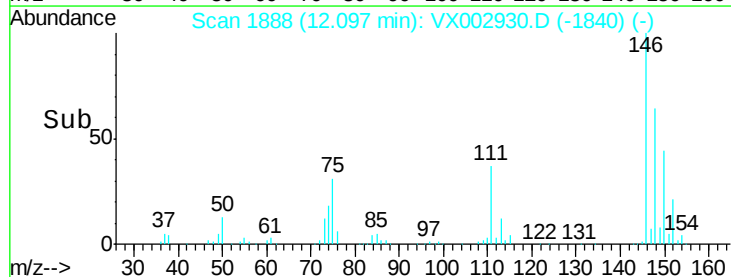
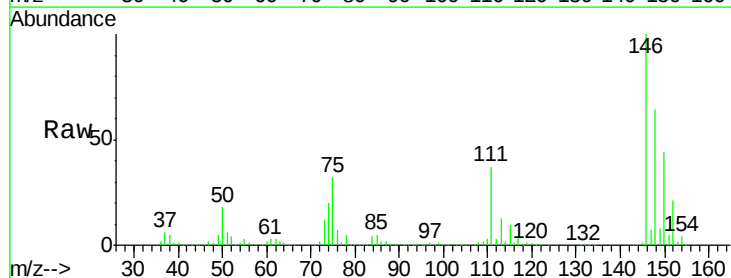
RT: 12.10 min Scan# 1888

Delta R.T. -0.01 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Tgt Ion:	146	Resp:	130014
Ion Ratio	Lower	Upper	
146	100		
111	38.2	18.7	56.1
148	64.9	32.4	97.0





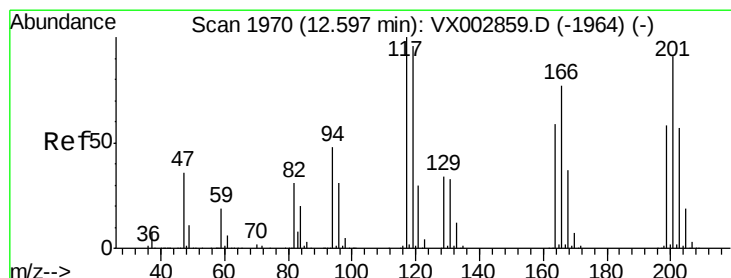
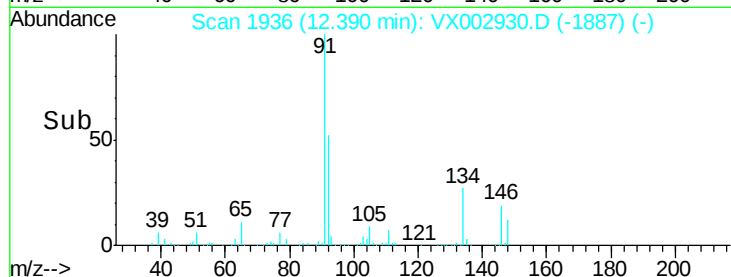
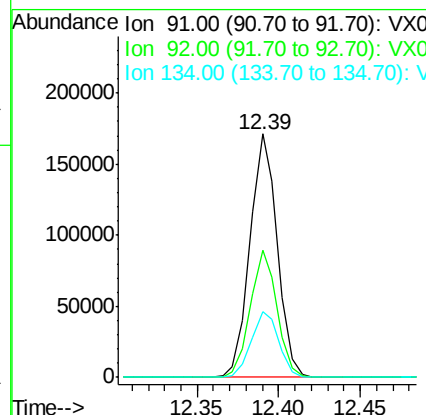
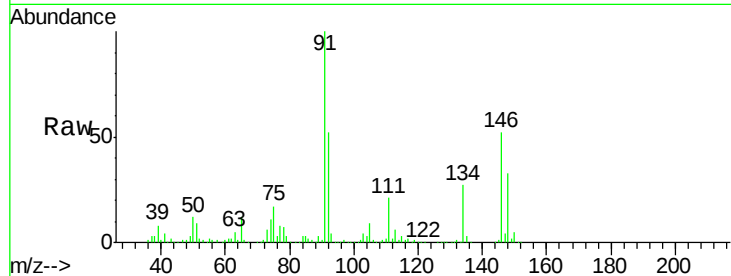
#89
n-Butylbenzene
Concen: 18.96 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002930.D
Acq: 27 Jun 2018 12:32

Instrument :
MSVOA_X
ClientSampleId :
VX0627MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.0	78.0
134	27.2	13.5	40.5

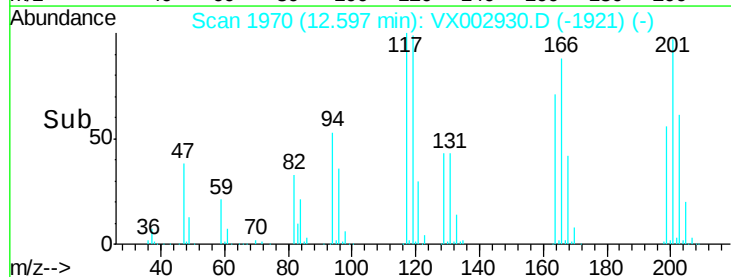
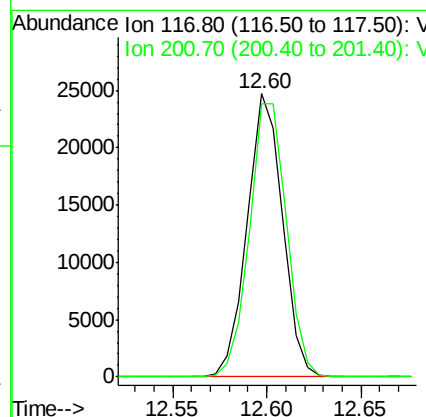
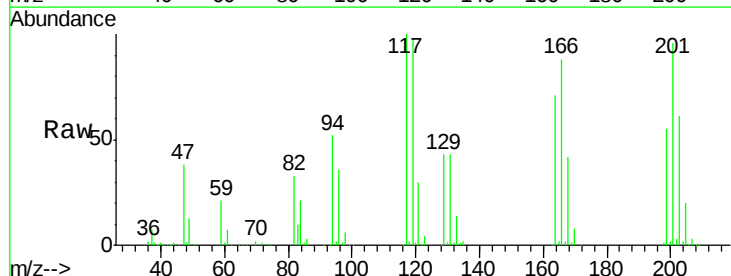
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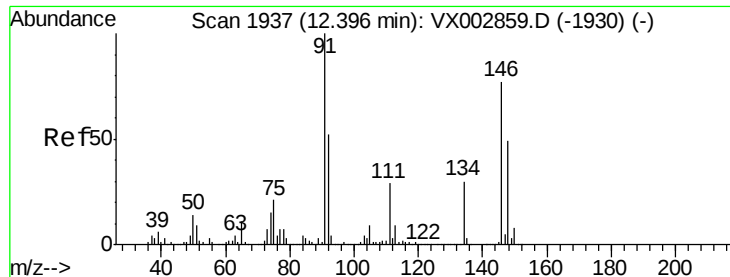
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#90
Hexachloroethane
Concen: 17.80 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX002930.D
Acq: 27 Jun 2018 12:32

Tgt Ion	Ratio	Lower	Upper
117	100		
201	101.3	49.0	147.0





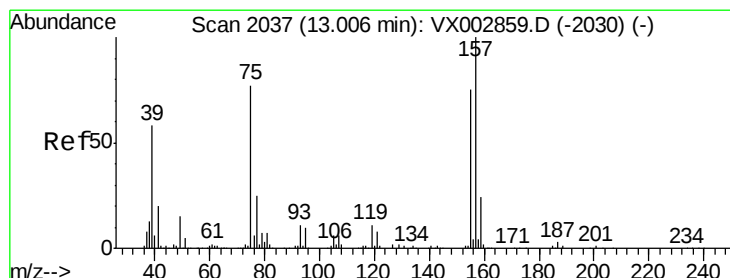
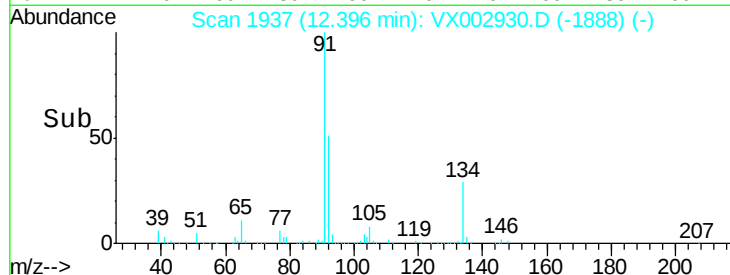
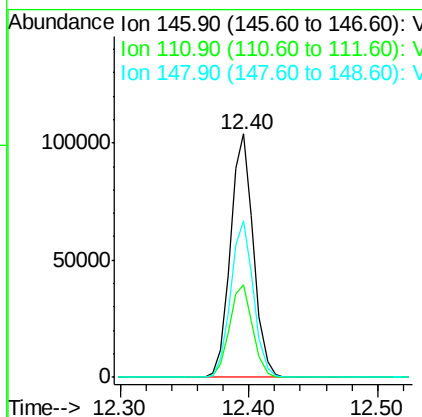
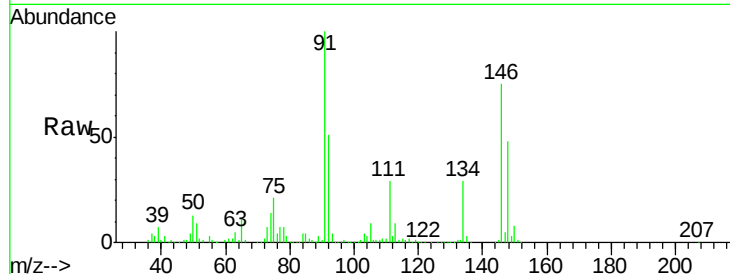
#91
 1,2-Dichlorobenzene
 Concen: 18.38 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX002930.D
 Acq: 27 Jun 2018 12:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.4	58.1
148	63.7	31.7	95.1

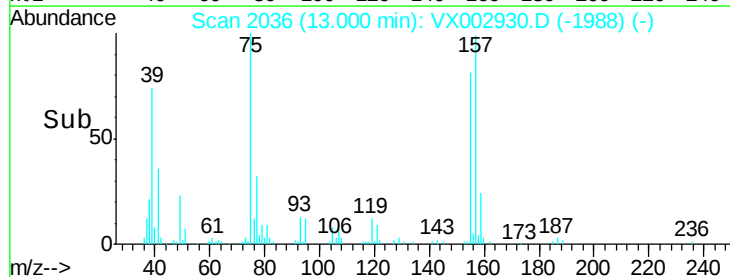
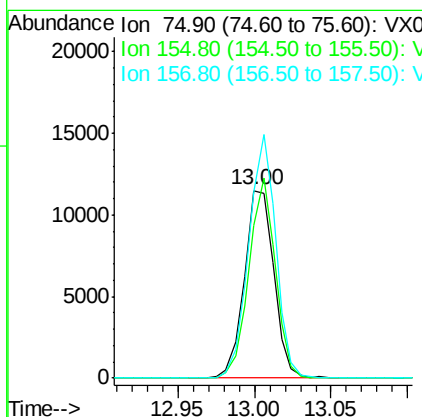
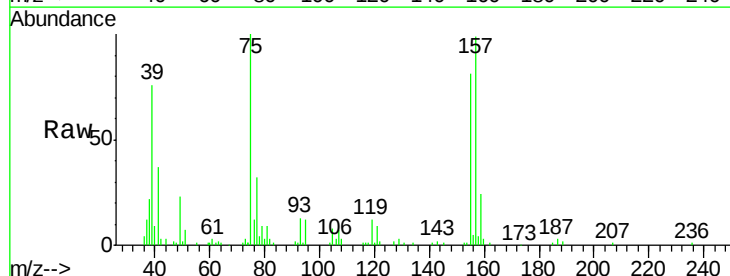
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.68 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VX002930.D
 Acq: 27 Jun 2018 12:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.6	45.8	137.4
157	118.4	60.1	180.3





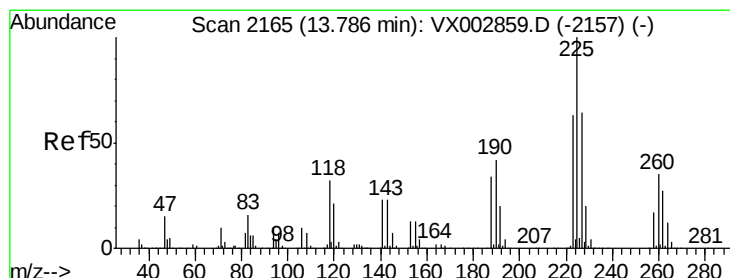
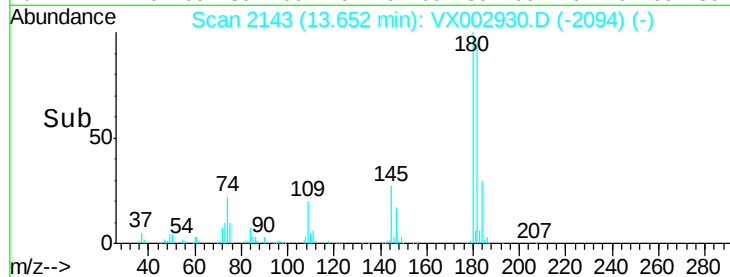
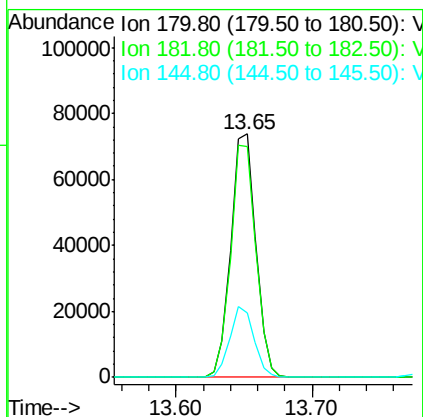
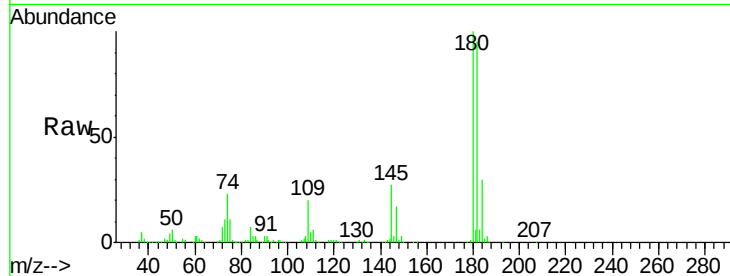
#93
 1,2,4-Trichlorobenzene
 Concen: 18.49 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX002930.D
 Acq: 27 Jun 2018 12:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.7	143.1
145	28.4	14.1	42.4

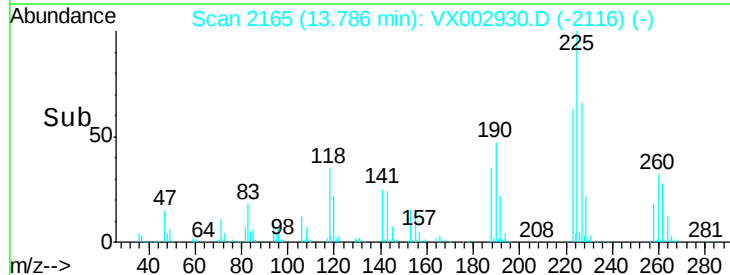
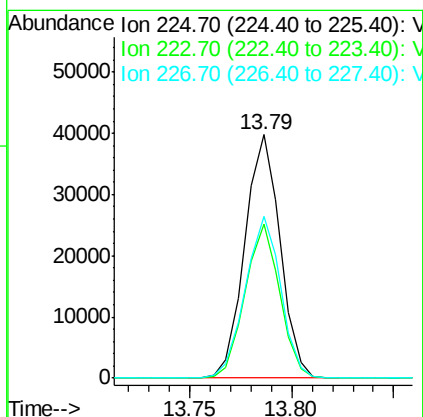
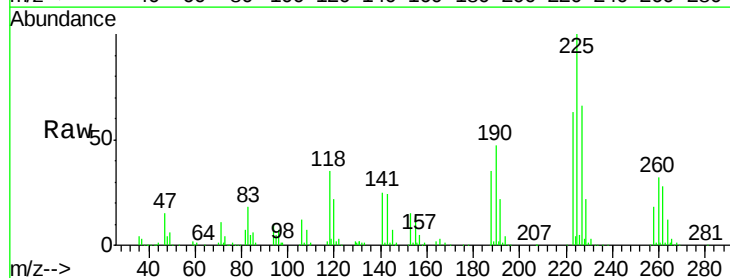
Manual Integrations
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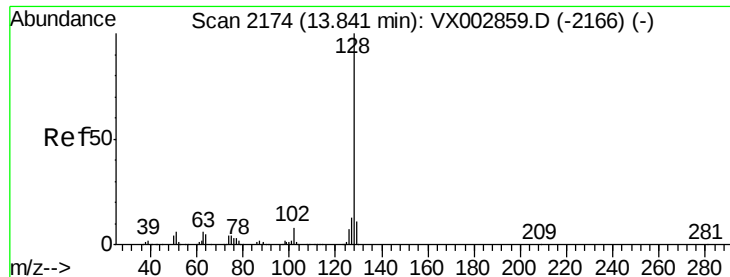
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#94
 Hexachlorobutadiene
 Concen: 18.68 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX002930.D
 Acq: 27 Jun 2018 12:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.6	95.0
227	66.8	32.4	97.2





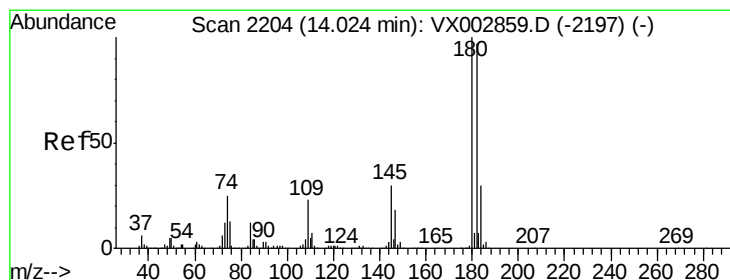
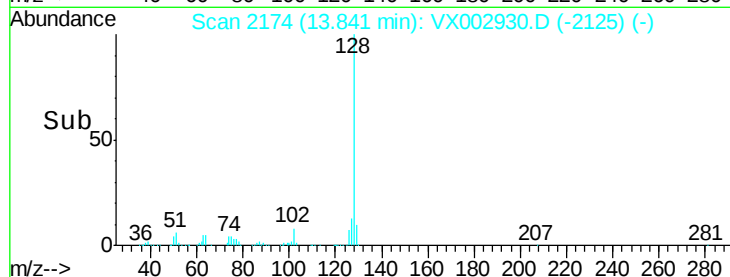
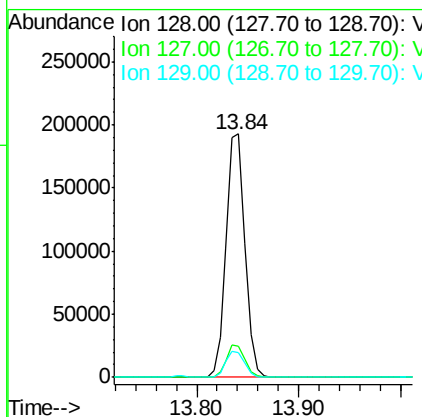
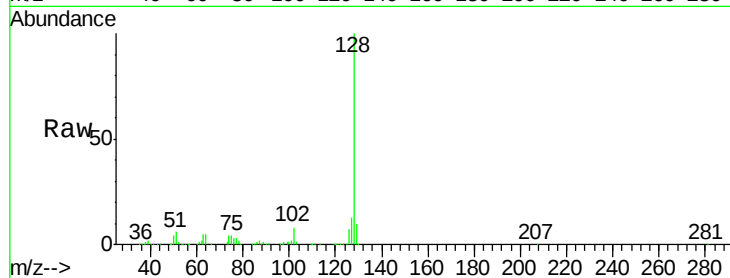
#95
Naphthalene
Concen: 18.08 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX002930.D
Acq: 27 Jun 2018 12:32

Instrument :
MSVOA_X
ClientSampleId :
VX0627MBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/28/2018 4:47:52 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.75 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX002930.D
Acq: 27 Jun 2018 12:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	48.0	144.0
145	29.0	14.8	44.3

