

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102618\
 Data File : VX005623.D
 Acq On : 26 Oct 2018 23:21
 Operator : JC/MD
 Sample : J5696-07MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DL-SW-01MSD

Manual Integrations
 APPROVED

MMDadoda
 10/29/2018 12:43:45 PM

Quant Time: Oct 27 05:58:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 25 02:52:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	224161	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	336608	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	301841	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	168718	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	134976	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	
35) Dibromofluoromethane	5.50	113	106434	46.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.40%	
50) Toluene-d8	8.71	98	392853	47.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.94%	
62) 4-Bromofluorobenzene	11.14	95	149241	48.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	132448	59.861	ug/l	100
3) Chloromethane	1.32	50	148342	52.646	ug/l	99
4) Vinyl Chloride	1.41	62	146373	52.831	ug/l	99
5) Bromomethane	1.64	94	90765	52.648	ug/l	100
6) Chloroethane	1.71	64	92061	52.014	ug/l	100
7) Trichlorofluoromethane	1.93	101	192229	49.932	ug/l	99
8) Diethyl Ether	2.19	74	76103	49.534	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	108394	49.073	ug/l	100
10) Methyl Iodide	2.51	142	123866	53.493	ug/l	98
11) Tert butyl alcohol	3.08	59	170632	231.732	ug/l	99
12) 1,1-Dichloroethene	2.37	96	103083	48.989	ug/l	96
13) Acrolein	2.29	56	81234	216.272	ug/l	98
14) Allyl chloride	2.73	41	228172	48.587	ug/l	98
15) Acrylonitrile	3.14	53	404617	245.053	ug/l	98
16) Acetone	2.45	43	355924	246.160	ug/l	100
17) Carbon Disulfide	2.56	76	322373	50.258	ug/l	98
18) Methyl Acetate	2.78	43	177662	49.730	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	374587	49.905	ug/l	95
20) Methylene Chloride	2.85	84	116962	48.299	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	107672	46.866	ug/l	95
22) Diisopropyl ether	3.87	45	398518	48.594	ug/l	# 91
23) Vinyl Acetate	3.82	43	1669977	231.217	ug/l	95
24) 1,1-Dichloroethane	3.70	63	220024	49.348	ug/l	99
25) 2-Butanone	4.70	43	535252	243.095	ug/l	96
26) 2,2-Dichloropropane	4.58	77	145004	42.125	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	121880	49.208	ug/l	99
28) Bromochloromethane	5.02	49	103151	47.833	ug/l	94
29) Tetrahydrofuran	5.15	42	366868	256.032	ug/l	98
30) Chloroform	5.22	83	214959	51.541	ug/l	90
31) Cyclohexane	5.57	56	193233	52.380	ug/l	93
32) 1,1,1-Trichloroethane	5.49	97	177906	48.331	ug/l	99
36) 1,1-Dichloropropene	5.80	75	156310	47.850	ug/l	98
37) Ethyl Acetate	4.85	43	177750	42.641	ug/l	98
38) Carbon Tetrachloride	5.78	117	159516	46.364	ug/l	97

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Quant Time: Oct 27 05:58:53 2018
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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	172393	47.792	ug/l	99
40) Benzene	6.14	78	484449	51.734	ug/l	99
41) Methacrylonitrile	5.06	41	114521	49.320	ug/l	96
42) 1,2-Dichloroethane	6.20	62	170697	47.985	ug/l	100
43) Isopropyl Acetate	6.46	43	288492	46.184	ug/l	98
44) Trichloroethene	7.21	130	120112	47.084	ug/l	100
45) 1,2-Dichloropropane	7.51	63	121068	48.089	ug/l	90
46) Dibromomethane	7.66	93	76229	46.881	ug/l	99
47) Bromodichloromethane	7.90	83	149848	47.483	ug/l	100
48) Methyl methacrylate	7.77	41	153565	50.464	ug/l	98
49) 1,4-Dioxane	7.76	88	57073	858.220	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1005448	239.502	ug/l	100
52) Toluene	8.79	92	273980	48.142	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	164675	48.281	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	177116	48.232	ug/l	95
55) 1,1,2-Trichloroethane	9.22	97	113162	47.163	ug/l	96
56) Ethyl methacrylate	9.18	69	182085	50.877	ug/l	99
57) 1,3-Dichloropropane	9.37	76	192095	47.316	ug/l	100
59) 2-Hexanone	9.50	43	795320	240.280	ug/l	99
60) Dibromochloromethane	9.59	129	121831	48.667	ug/l	99
61) 1,2-Dibromoethane	9.67	107	117477	47.326	ug/l	100
64) Tetrachloroethene	9.34	164	114181	45.569	ug/l	97
65) Chlorobenzene	10.14	112	306770	47.728	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	113985	48.635	ug/l	99
67) Ethyl Benzene	10.25	91	533304	50.430	ug/l	100
68) m/p-Xylenes	10.36	106	412196	100.466	ug/l	100
69) o-Xylene	10.70	106	199171	51.598	ug/l	100
70) Stvrene	10.71	104	333505	51.612	ug/l	99
71) Bromoform	10.86	173	101722	48.639	ug/l	98
73) Isopropylbenzene	11.02	105	536915	52.060	ug/l	99
74) N-amyl acetate	10.90	43	246749	48.284	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	186803	49.095	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	173953m	48.662	ug/l	
77) Bromobenzene	11.26	156	144358	50.224	ug/l	98
78) n-propylbenzene	11.36	91	616661	52.290	ug/l	100
79) 2-Chlorotoluene	11.42	91	368756	50.431	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	460251	52.167	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	52593	48.073	ug/l	95
82) 4-Chlorotoluene	11.51	91	434949	50.446	ug/l	99
83) tert-Butylbenzene	11.77	119	464523	52.820	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	474963	53.118	ug/l	100
85) sec-Butylbenzene	11.94	105	549010	52.317	ug/l	100
86) p-Isopropyltoluene	12.07	119	493350	52.590	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	265473	49.117	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	265992	47.146	ug/l	99
89) n-Butylbenzene	12.39	91	428587	50.607	ug/l	100
90) Hexachloroethane	12.60	117	83357	51.520	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	270078	49.389	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	45291	49.229	ug/l	95
93) 1,2,4-Trichlorobenzene	13.65	180	202091	50.981	ug/l	100

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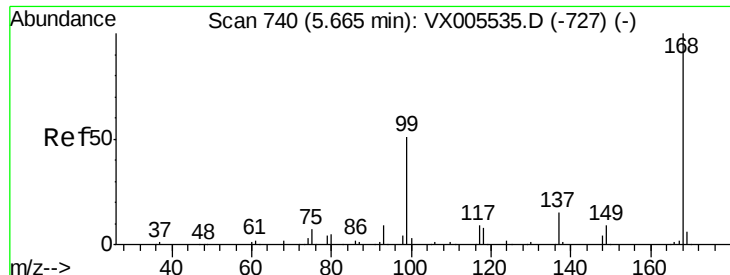
Manual Integrations
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10/29/2018 12:43:45 PM

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 25 02:52:45 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	93482	45.507	ug/l	99
95) Naphthalene	13.83	128	631618	54.816	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	204789	50.964	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.01 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

DL-SW-01MSD

Tot Ion:168 Resp: 224161

Ion Ratio Lower Upper

168 100

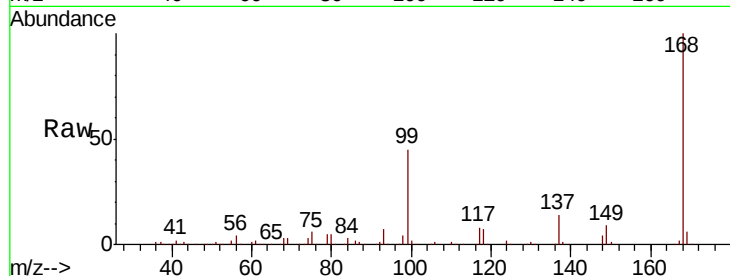
99 44.8 40.7 61.1

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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

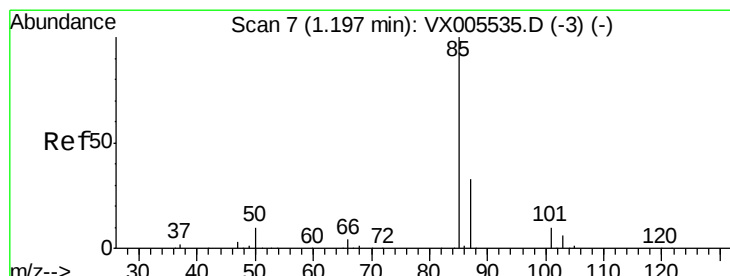
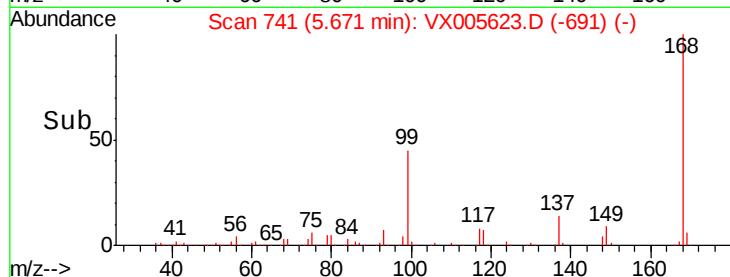
40000

20000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#2

Dichlorodifluoromethane

Concen: 59.861 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005623.D

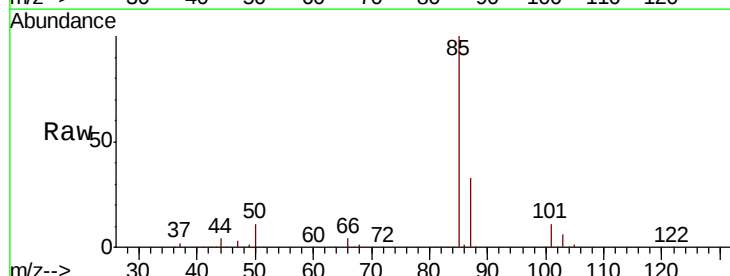
Acq: 26 Oct 2018 23:21

Tgt Ion: 85 Resp: 132448

Ion Ratio Lower Upper

85 100

87 32.8 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

150000

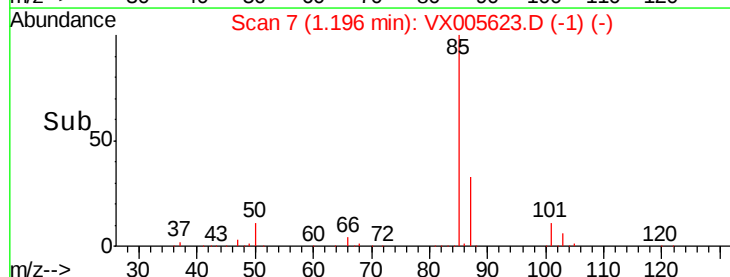
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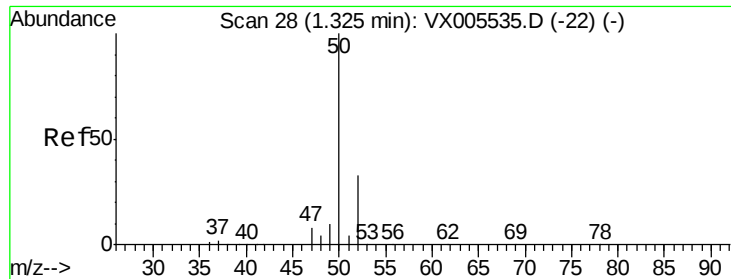
50000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 52.646 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

DL-SW-01MSD

Tot Ion: 50 Resp: 148342

Ion Ratio Lower Upper

50 100

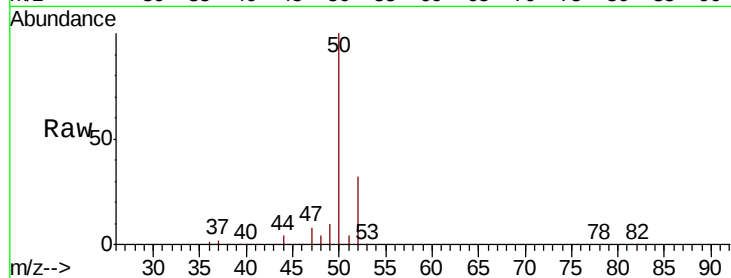
52 32.4 26.2 39.2

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

150000

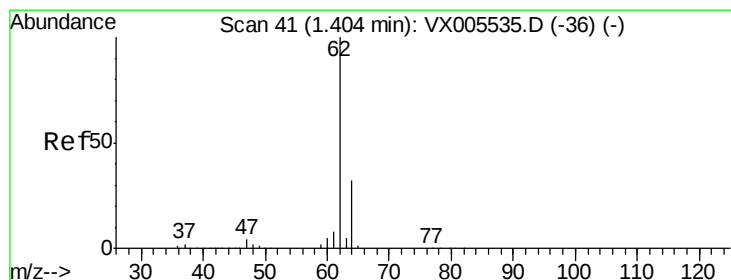
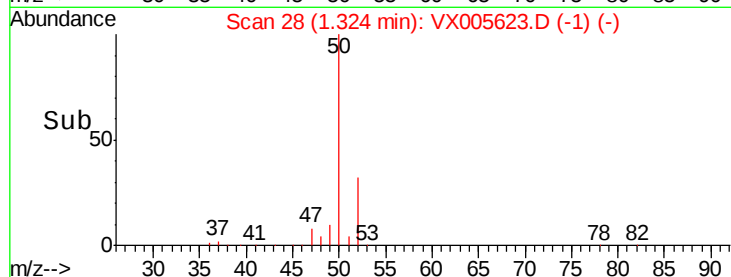
100000

50000

0

1.25 1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 52.831 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX005623.D

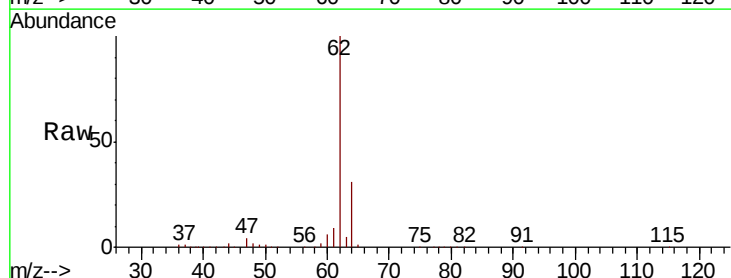
Acq: 26 Oct 2018 23:21

Tgt Ion: 62 Resp: 146373

Ion Ratio Lower Upper

62 100

64 31.1 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

150000

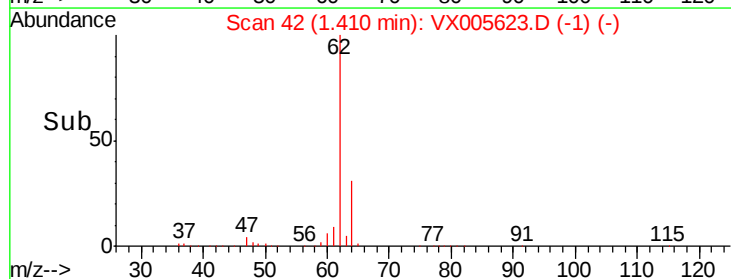
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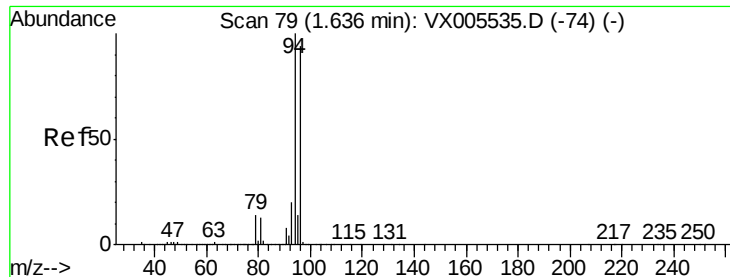
50000

0

1.35 1.40 1.45 1.50

Time-->





#5

Bromomethane

Concen: 52.648 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

DL-SW-01MSD

Tot Ion: 94 Resp: 90765

Ion Ratio Lower Upper

94 100

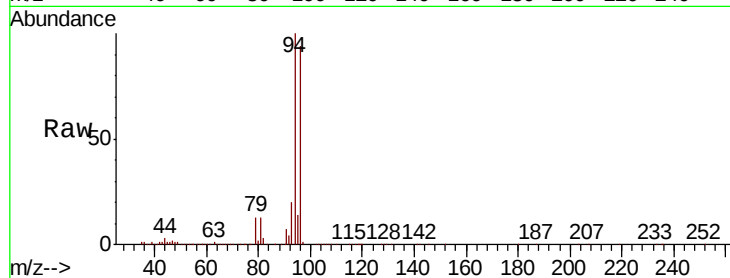
96 94.1 75.2 112.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

100000

80000

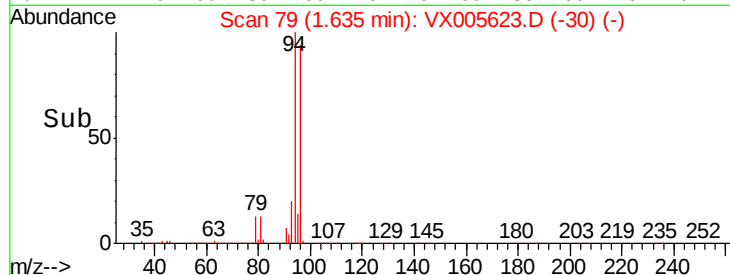
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40000

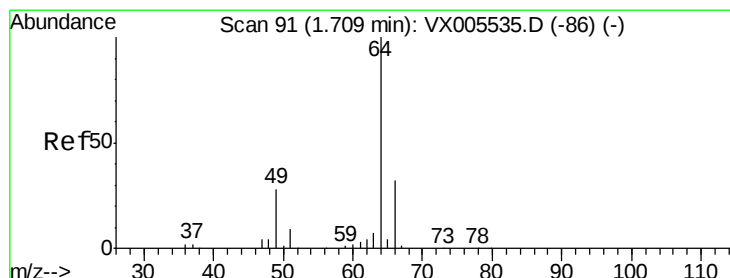
20000

0

Time-->



Time-->



#6

Chloroethane

Concen: 52.014 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX005623.D

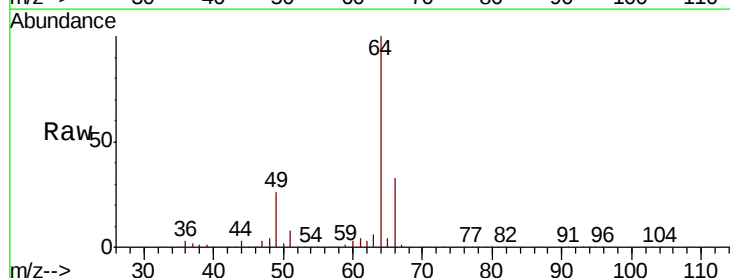
Acq: 26 Oct 2018 23:21

Tgt Ion: 64 Resp: 92061

Ion Ratio Lower Upper

64 100

66 32.4 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

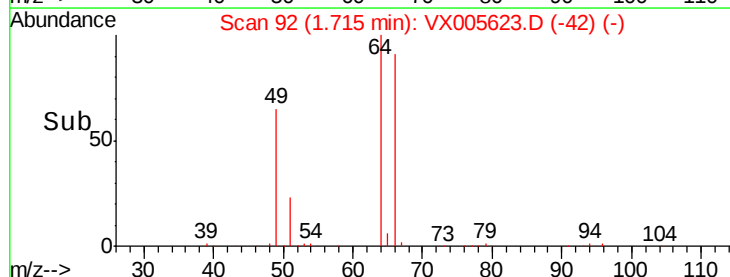
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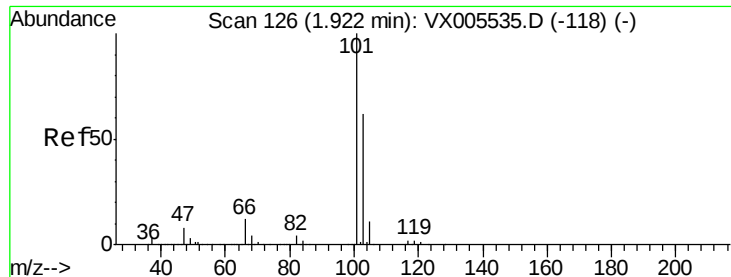
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Time-->



Time-->



#7

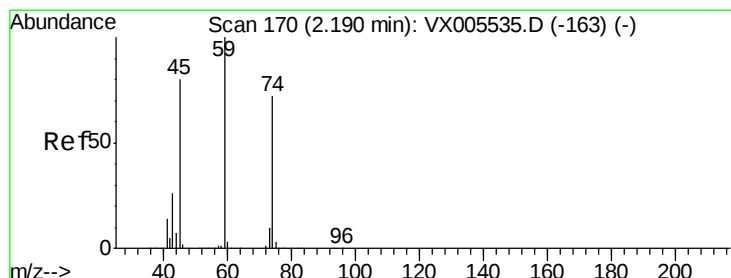
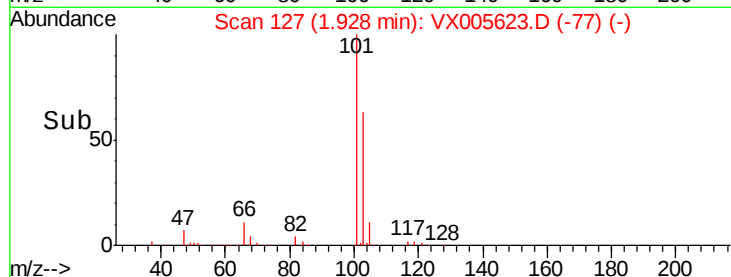
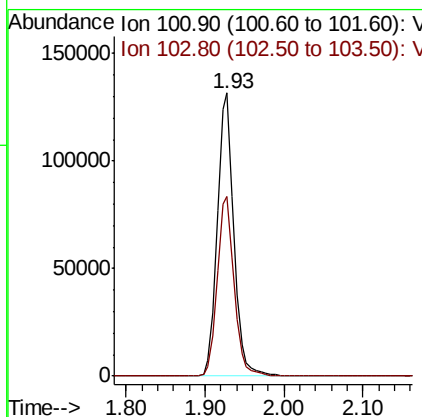
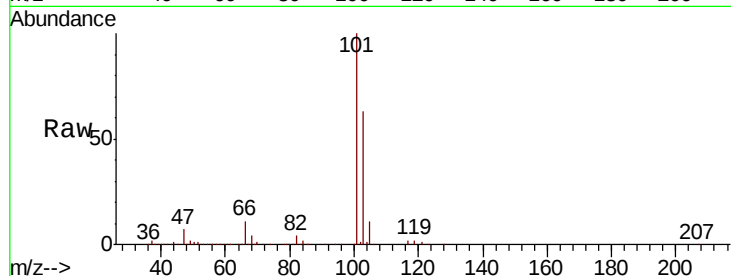
Trichlorofluoromethane
 Concen: 49.932 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX005623.D
 Acq: 26 Oct 2018 23:21

Instrument :
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 ClientSampleId :
 DL-SW-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
101	100	192229		
103	63.3	50.0	75.0	

Manual Integrations
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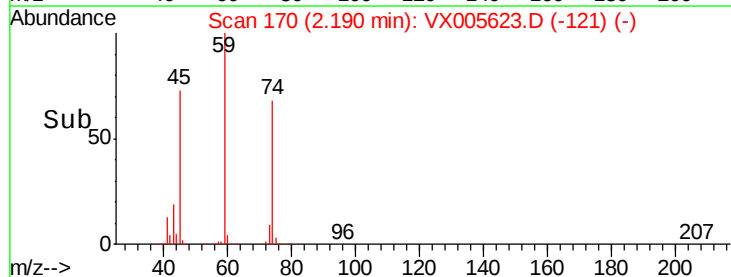
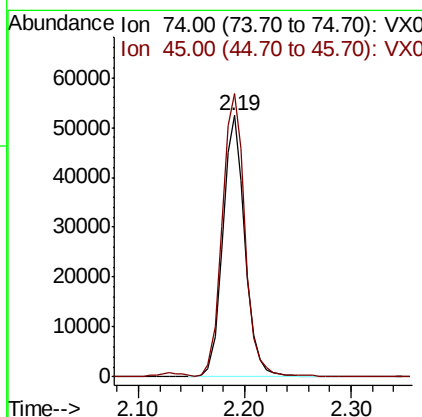
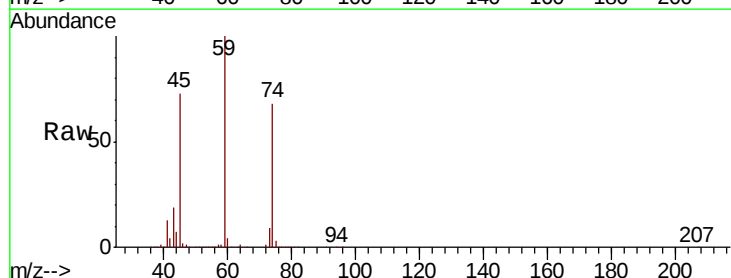
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#8

Diethyl Ether
 Concen: 49.534 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX005623.D
 Acq: 26 Oct 2018 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	76103		
45	110.5	54.1	162.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.073 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Instrument :

MSVOA_X

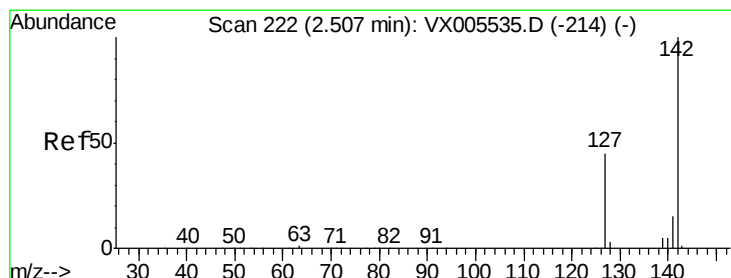
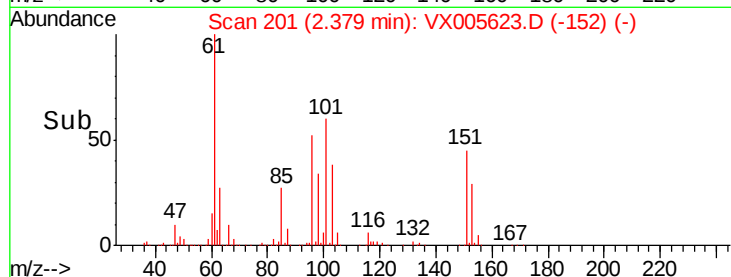
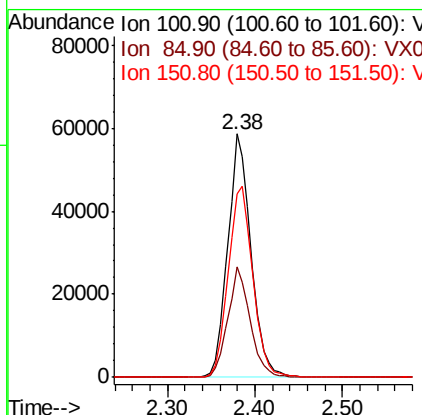
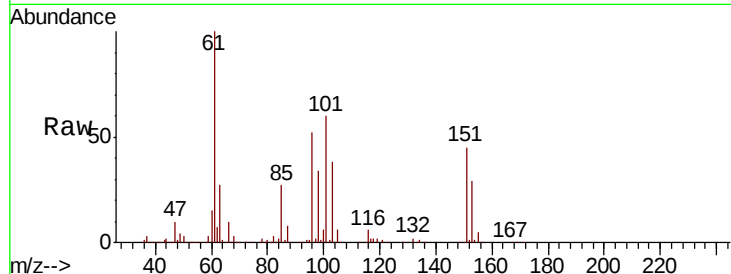
ClientSampleId :

DL-SW-01MSD

Tot Ion:	101	Resp:	108394
Ion Ratio	Lower	Upper	
101	100		
85	43.8	35.0	52.4
151	83.1	66.2	99.2

Manual Integrations
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#10

Methyl Iodide

Concen: 53.493 ug/l

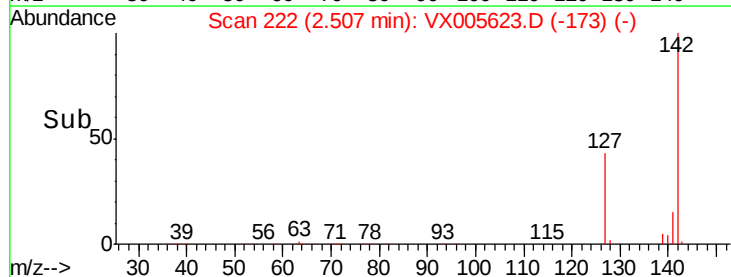
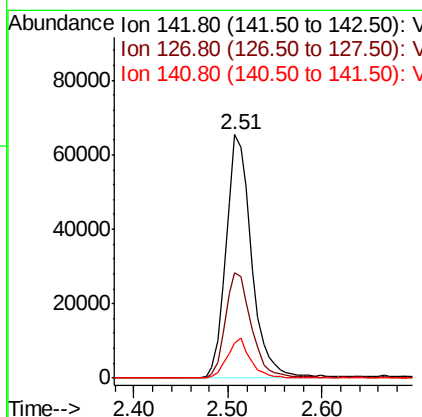
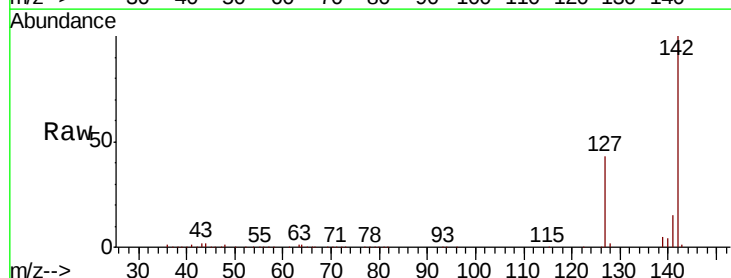
RT: 2.51 min Scan# 222

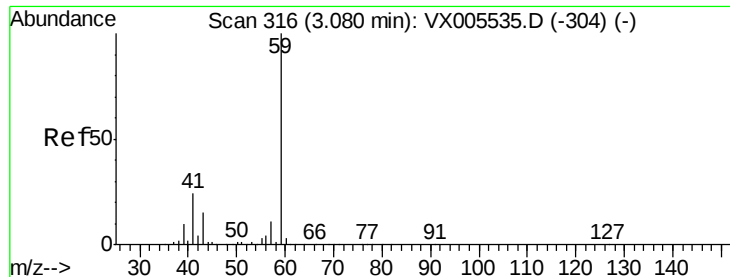
Delta R.T. 0.00 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Tgt Ion:	142	Resp:	123866
Ion Ratio	Lower	Upper	
142	100		
127	43.7	36.0	54.0
141	14.9	11.7	17.5





#11

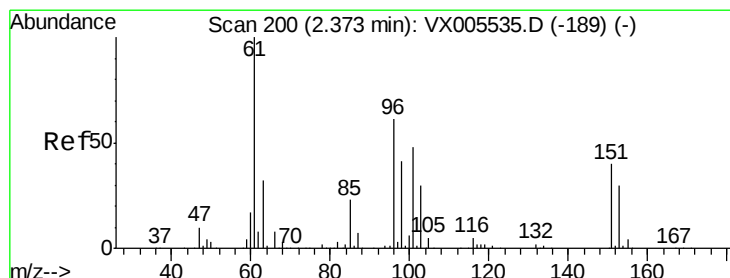
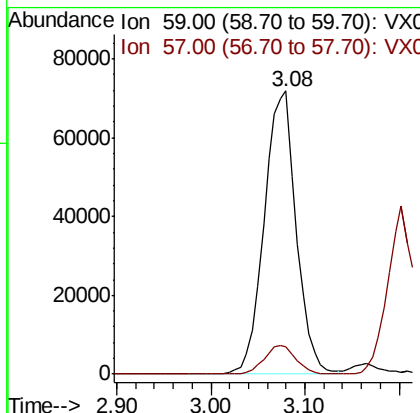
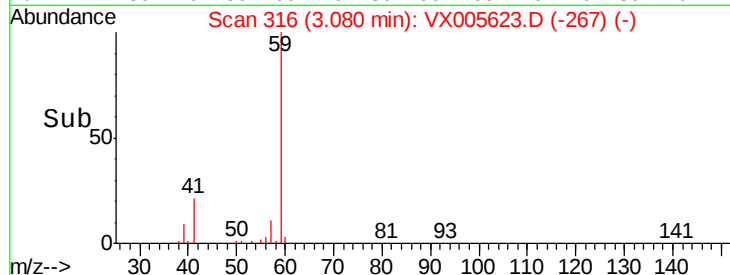
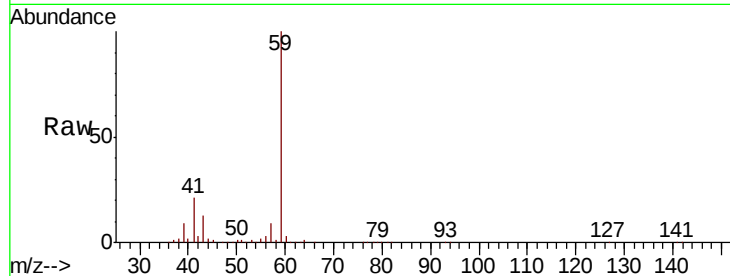
Tert butyl alcohol
Concen: 231.732 ug/l
RT: 3.08 min Scan# 316
Delta R.T. -0.00 min
Lab File: VX005623.D
Acq: 26 Oct 2018 23:21

Instrument :
MSVOA_X
ClientSampleId :
DL-SW-01MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.5	12.7

Manual Integrations
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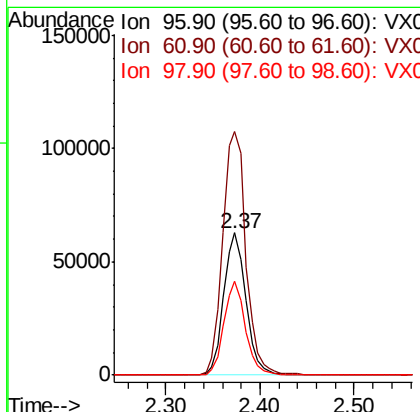
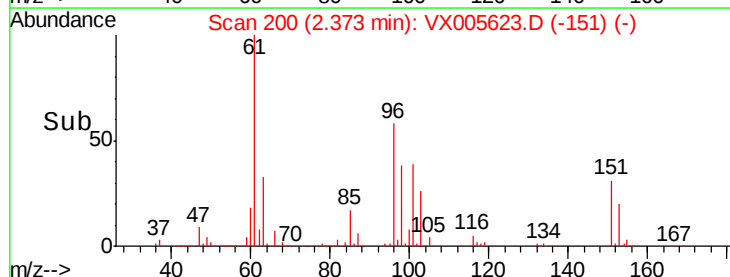
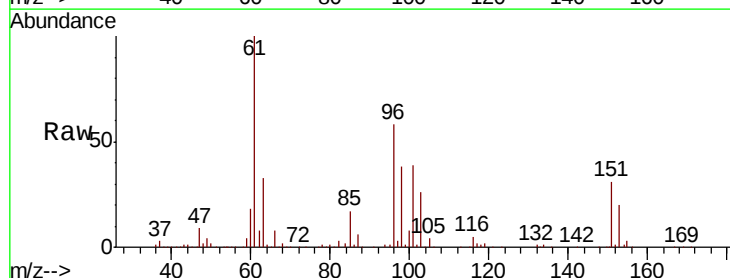
MMDadoda
10/29/2018 12:43:45 PM

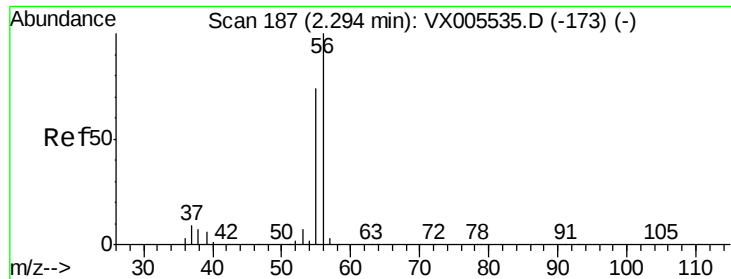


#12

1,1-Dichloroethene
Concen: 48.989 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX005623.D
Acq: 26 Oct 2018 23:21

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.4	131.8	197.8
98	66.0	53.4	80.2





#13

Acrolein

Concen: 216.272 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

DL-SW-01MSD

Tot Ion: 56 Resp: 81234

Ion Ratio Lower Upper

56 100

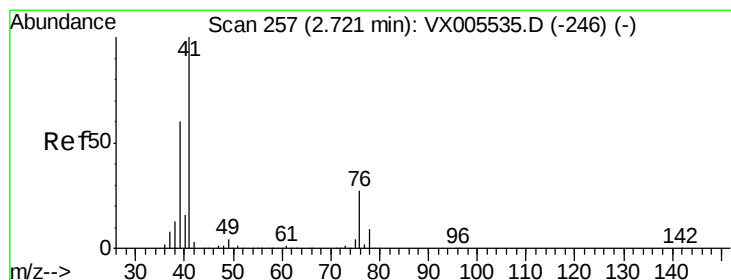
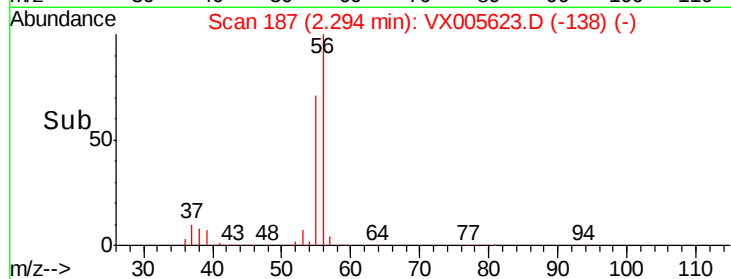
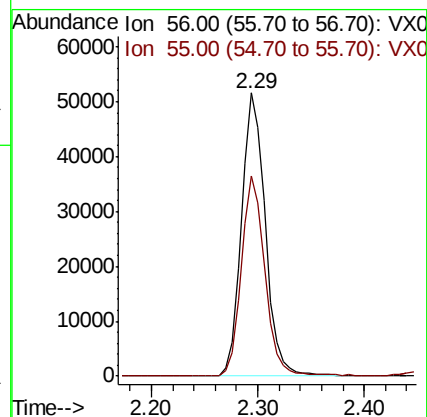
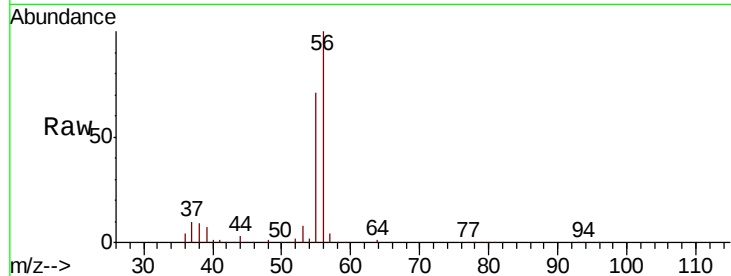
55 70.3 57.3 85.9

Manual Integrations

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#14

Allyl chloride

Concen: 48.587 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

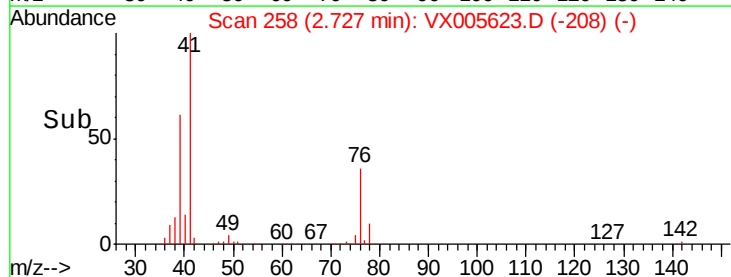
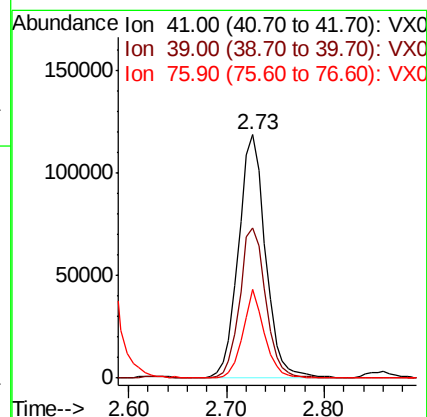
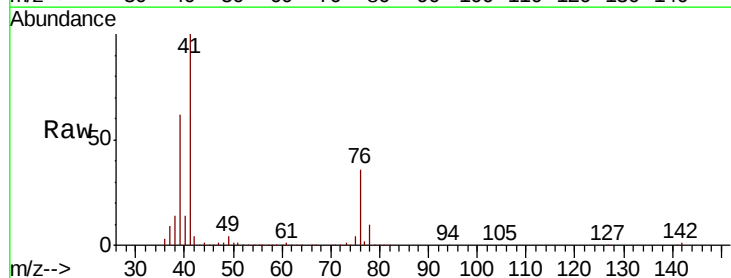
Tgt Ion: 41 Resp: 228172

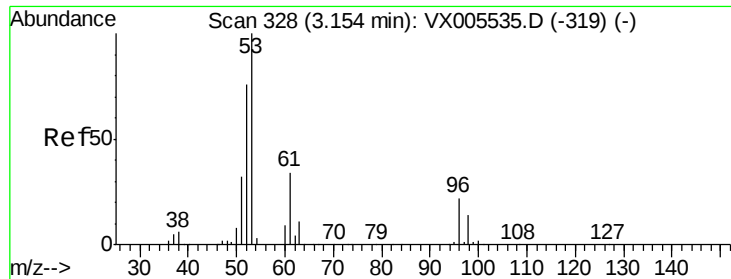
Ion Ratio Lower Upper

41 100

39 59.5 48.2 72.4

76 29.1 21.9 32.9





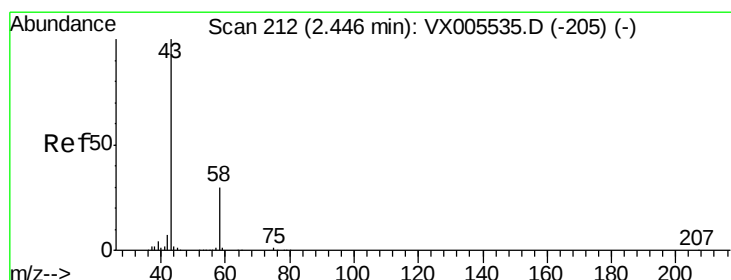
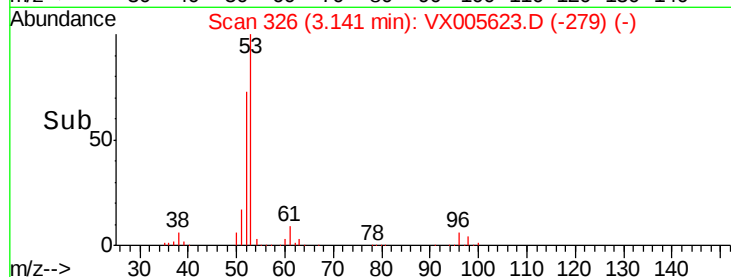
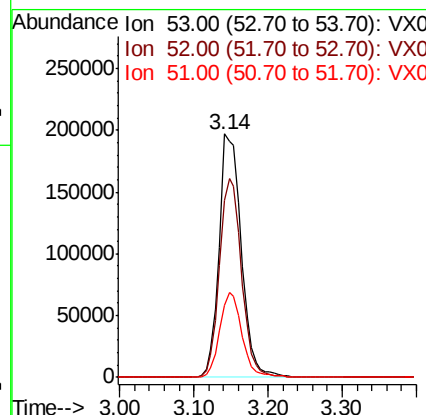
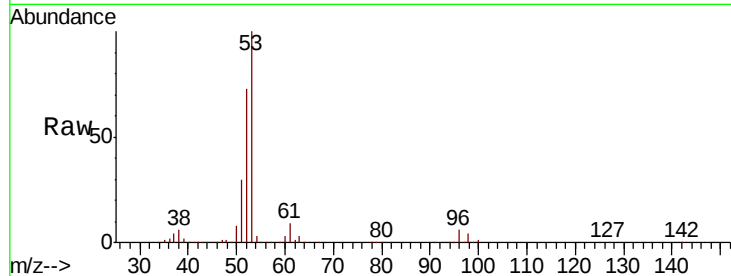
#15
 Acrylonitrile
 Concen: 245.053 ug/l
 RT: 3.14 min Scan# 326
 Delta R.T. -0.01 min
 Lab File: VX005623.D
 Acq: 26 Oct 2018 23:21

Instrument :
 MSVOA_X
 ClientSampleId :
 DL-SW-01MSD

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.0	66.6	99.8
51	34.8	28.4	42.6

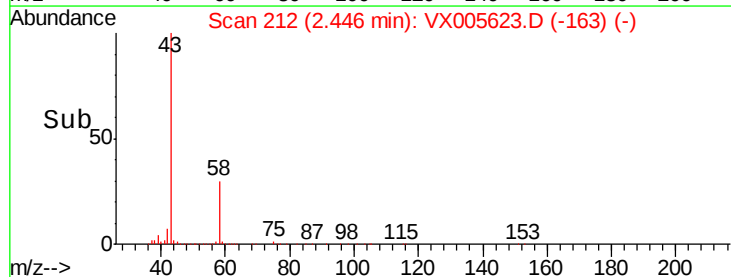
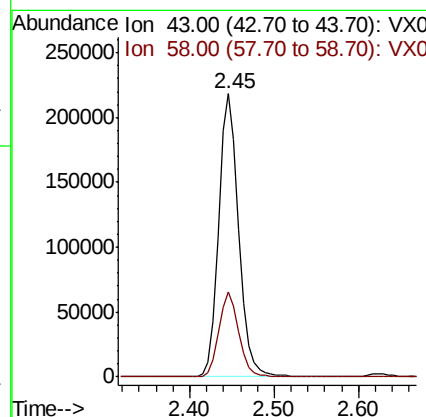
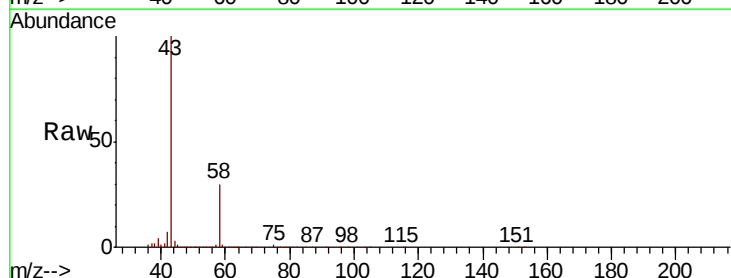
Manual Integrations
 APPROVED

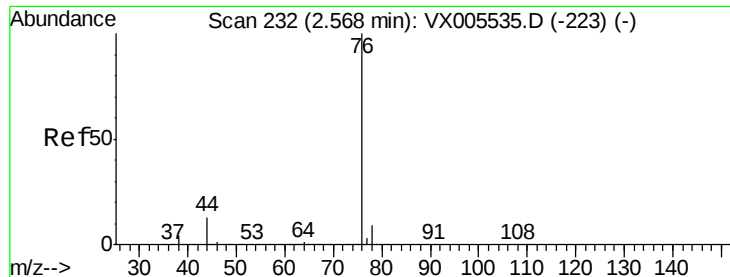
MMDadoda
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#16
 Acetone
 Concen: 246.160 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX005623.D
 Acq: 26 Oct 2018 23:21

Tgt Ion	Ratio	Lower	Upper
43	100		
58	29.9	23.8	35.6





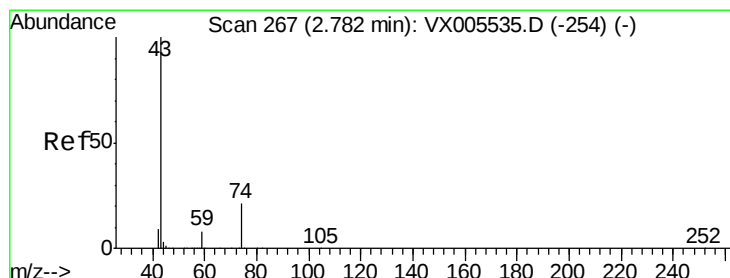
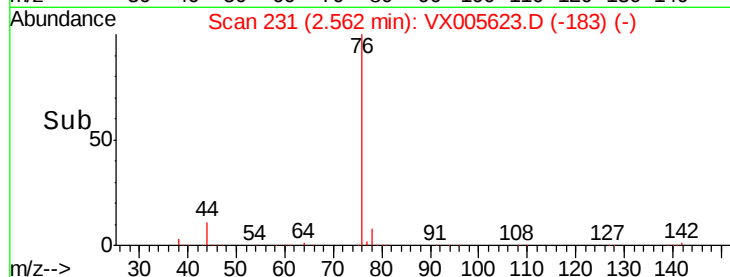
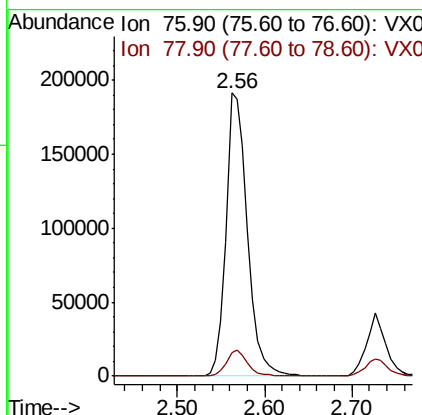
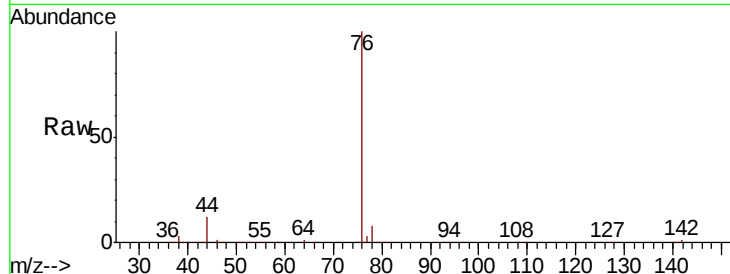
#17
Carbon Disulfide
Concen: 50.258 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX005623.D
Acq: 26 Oct 2018 23:21

Instrument :
MSVOA_X
ClientSampleId :
DL-SW-01MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.4	7.3	10.9

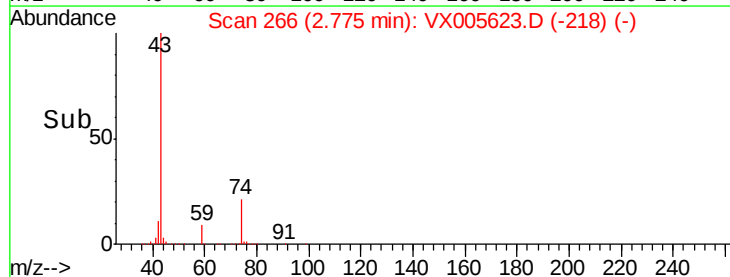
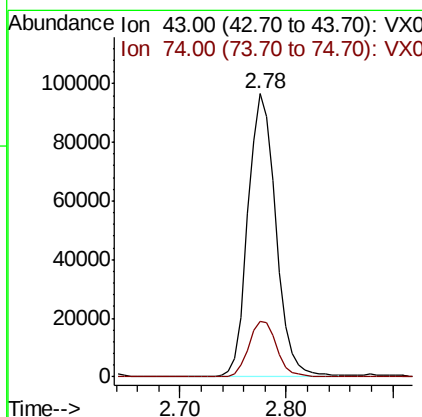
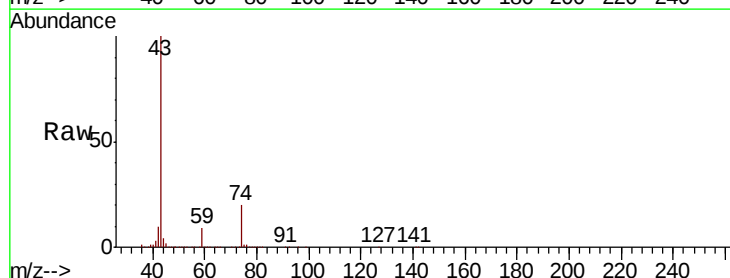
Manual Integrations
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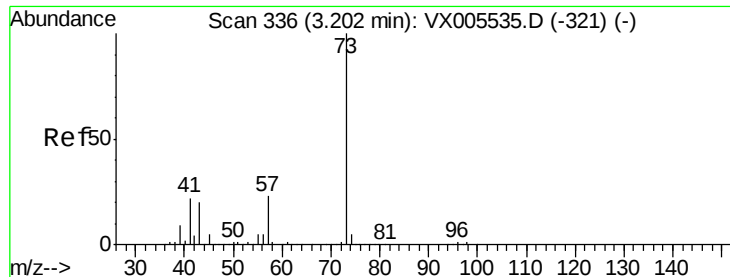
MMDadoda
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#18
Methyl Acetate
Concen: 49.730 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005623.D
Acq: 26 Oct 2018 23:21

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.2	16.8	25.2





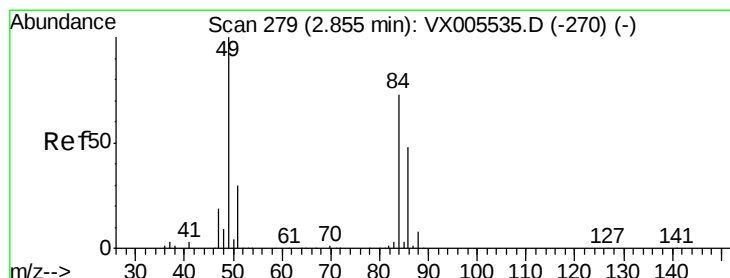
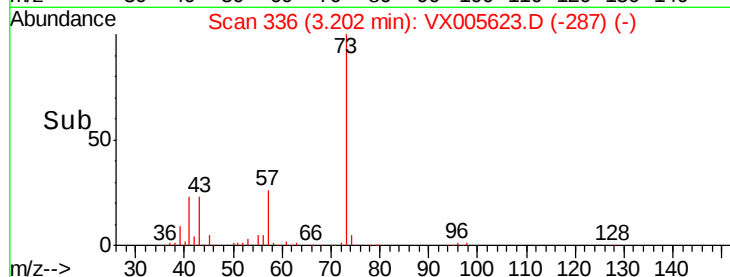
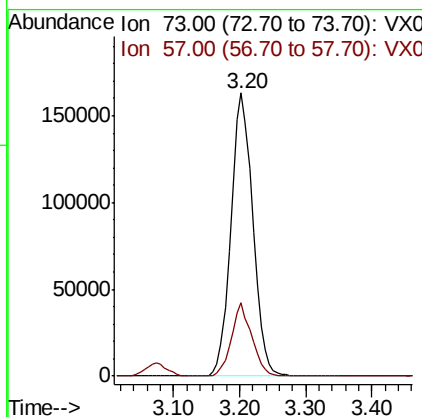
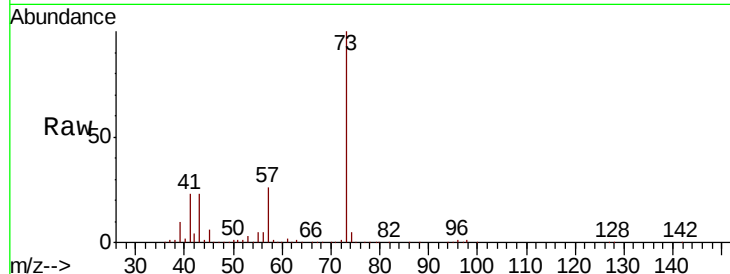
#19
Methvl tert-butvl Ether
Concen: 49.905 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX005623.D
Acq: 26 Oct 2018 23:21

Instrument :
MSVOA_X
ClientSampleId :
DL-SW-01MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	26.2	18.8	28.2

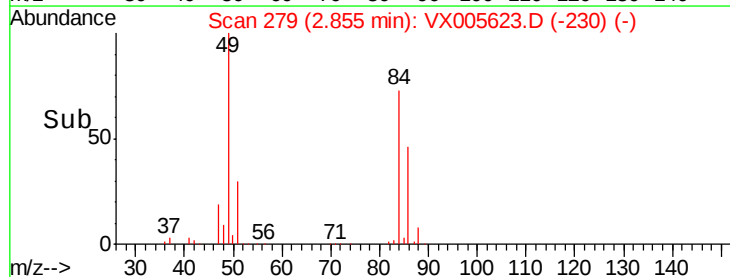
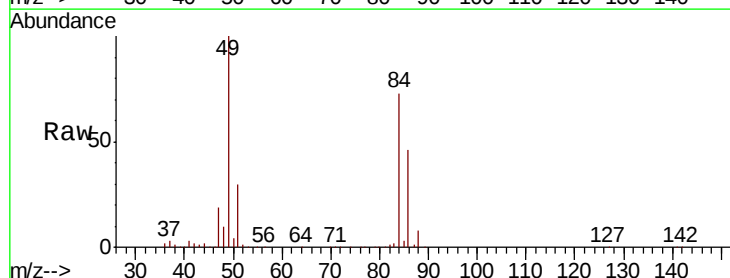
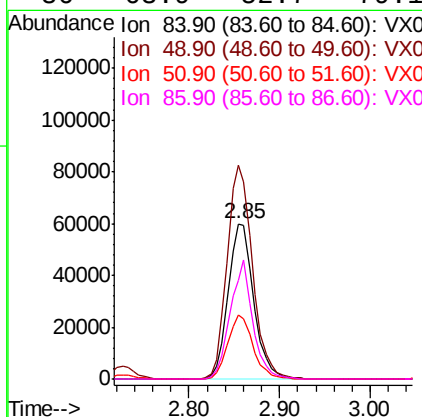
Manual Integrations
APPROVED

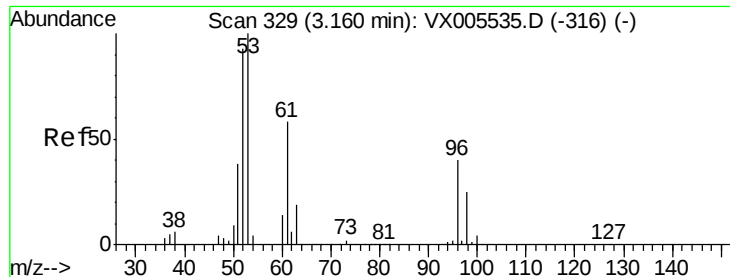
MMDadoda
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#20
Methylene Chloride
Concen: 48.299 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX005623.D
Acq: 26 Oct 2018 23:21

Tgt Ion	Ratio	Lower	Upper
84	100		
49	137.5	109.5	164.3
51	41.0	33.3	49.9
86	63.9	52.7	79.1





#21

trans-1,2-Dichloroethene

Concen: 46.866 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

DL-SW-01MSD

Tot Ion: 96 Resp: 107672

Ion Ratio Lower Upper

96 100

61 152.4 115.6 173.4

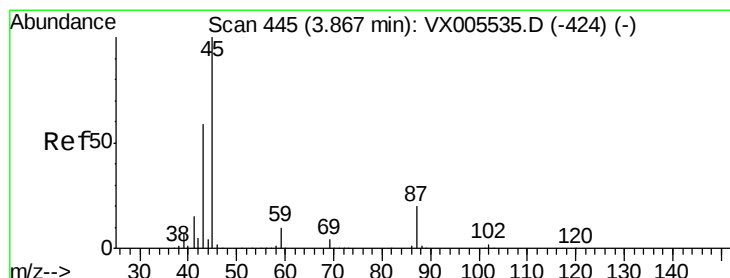
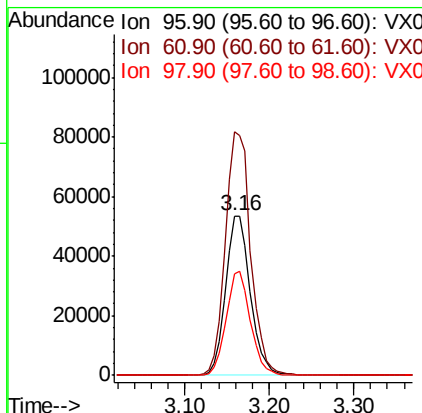
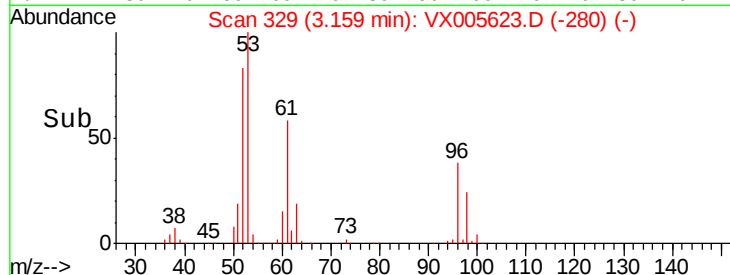
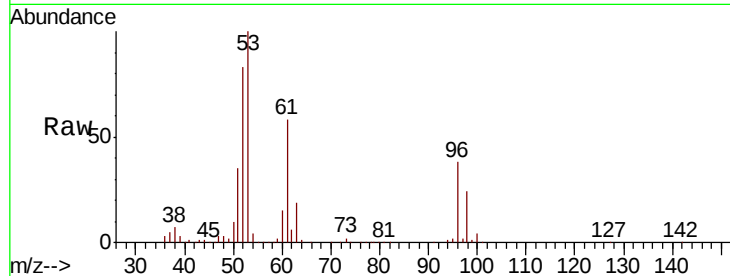
98 63.5 50.2 75.2

Manual Integrations

APPROVED

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#22

Diisopropyl ether

Concen: 48.594 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.01 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Tgt Ion: 45 Resp: 398518

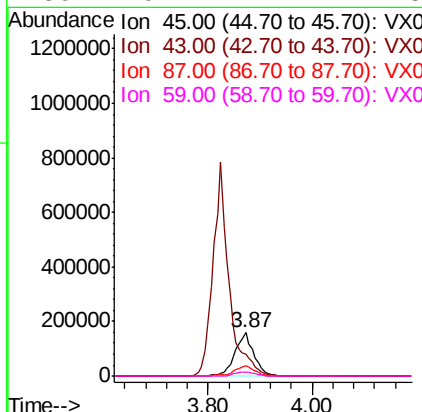
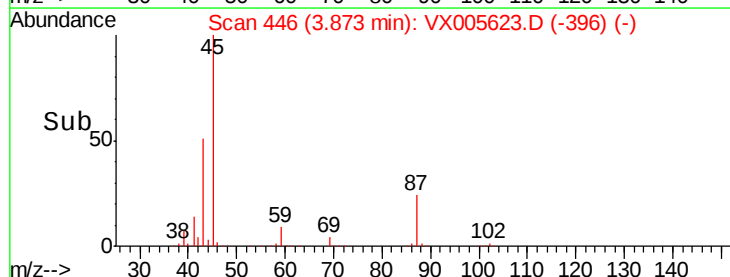
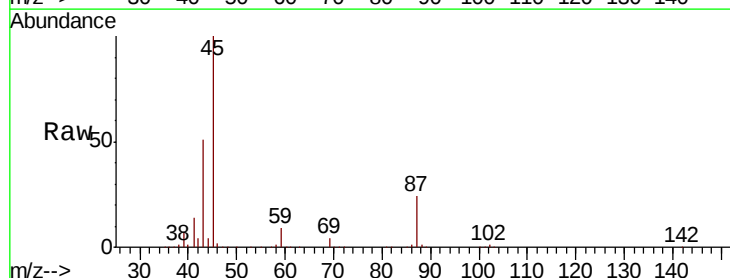
Ion Ratio Lower Upper

45 100

43 51.0 47.4 71.2

87 23.9 15.9 23.9#

59 9.2 7.7 11.5





#23

Vinyl Acetate

Concen: 231.217 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

DL-SW-01MSD

Tot Ion: 43 Resp: 1669977

Ion Ratio Lower Upper

43 100

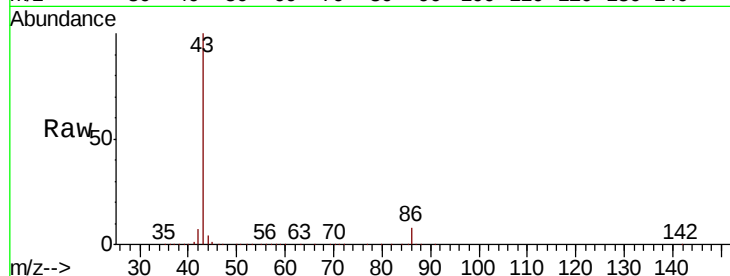
86 7.5 7.4 11.2

Manual Integrations

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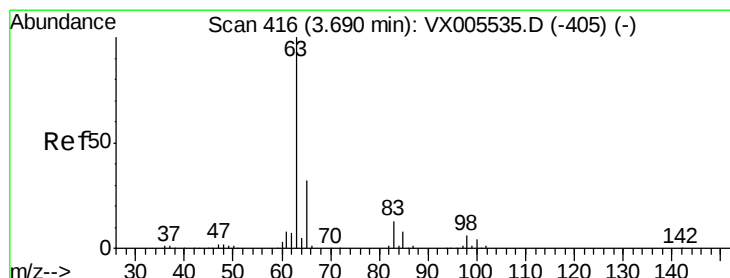
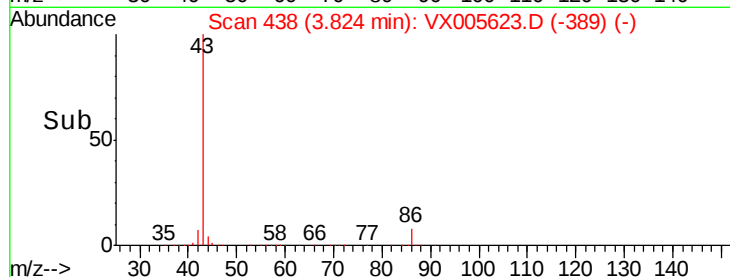
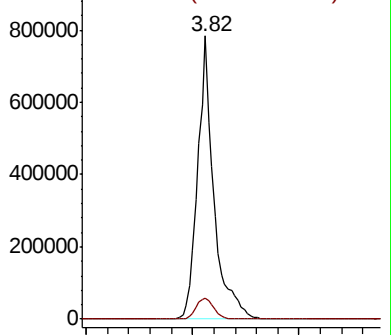
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 49.348 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

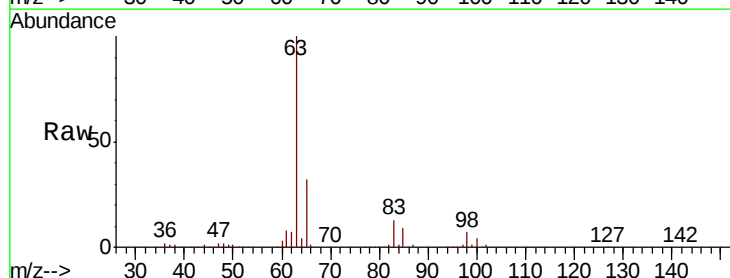
Tgt Ion: 63 Resp: 220024

Ion Ratio Lower Upper

63 100

98 6.8 3.2 9.6

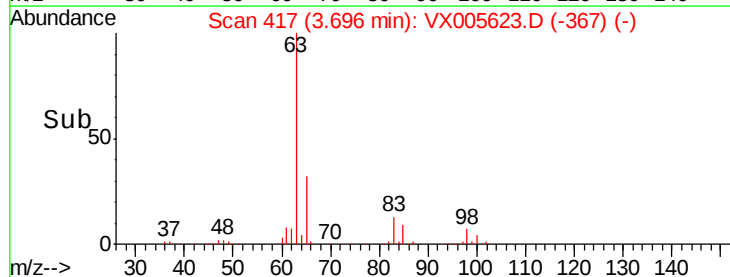
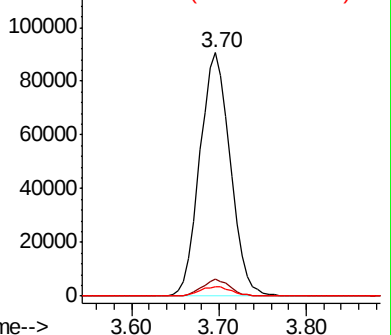
100 3.8 2.1 6.2

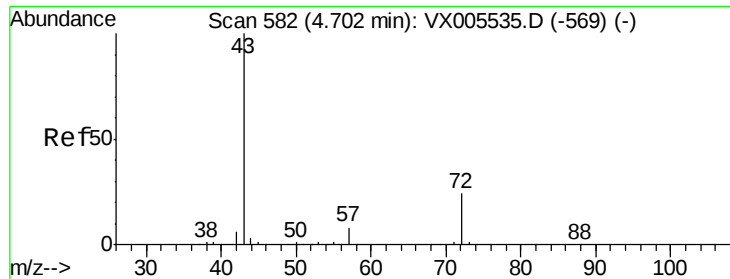


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 243.095 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

DL-SW-01MSD

Tot Ion: 43 Resp: 535252

Ion Ratio Lower Upper

43 100

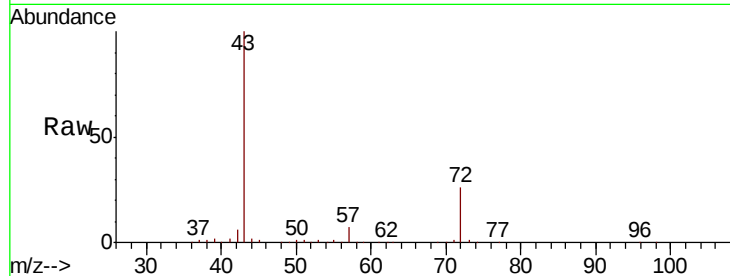
72 25.8 19.2 28.8

Manual Integrations

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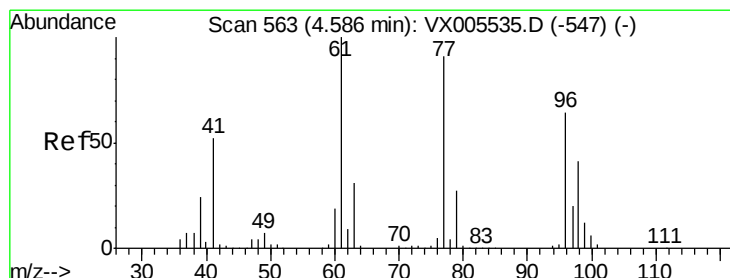
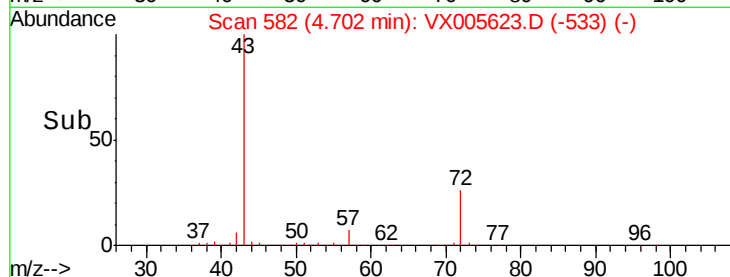
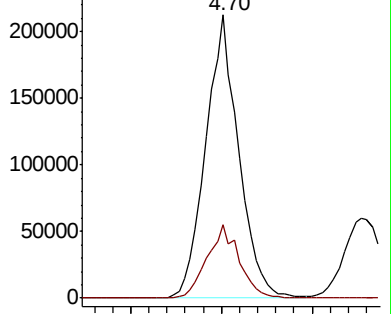
MMDadoda

10/29/2018 12:43:45 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: 42.125 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX005623.D

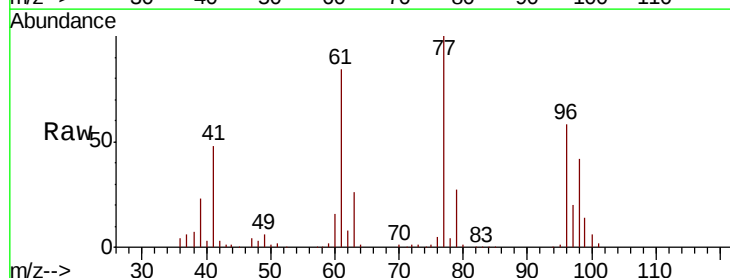
Acq: 26 Oct 2018 23:21

Tgt Ion: 77 Resp: 145004

Ion Ratio Lower Upper

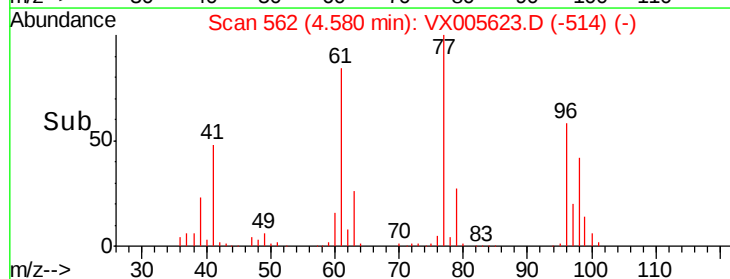
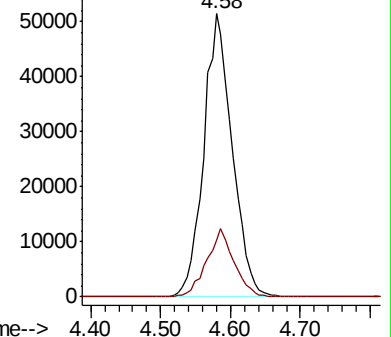
77 100

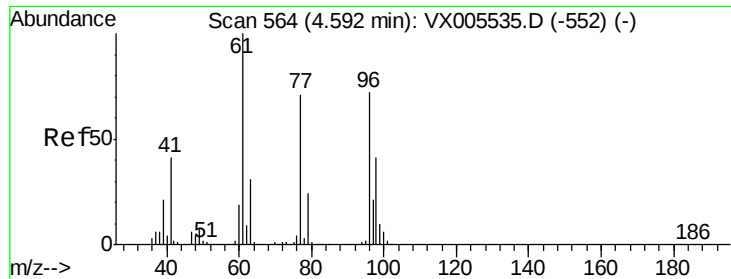
97 23.1 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

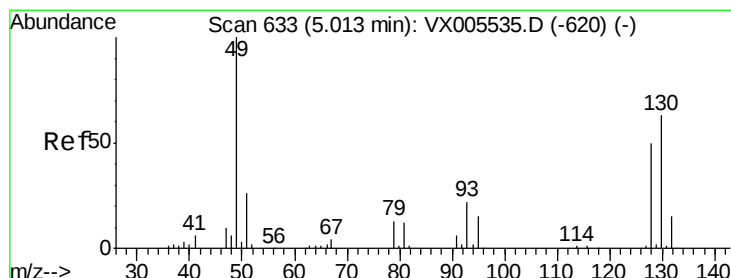
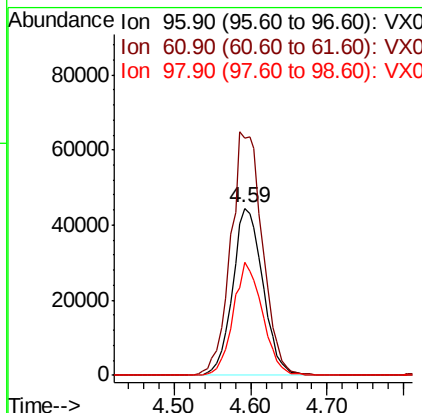
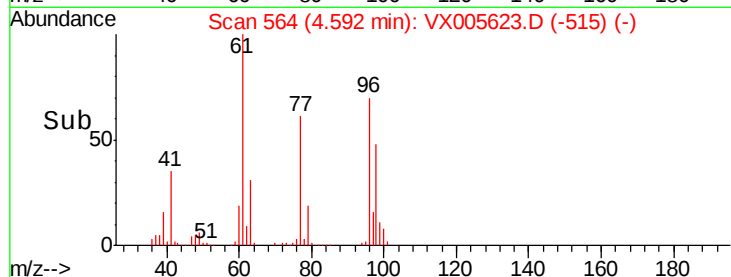
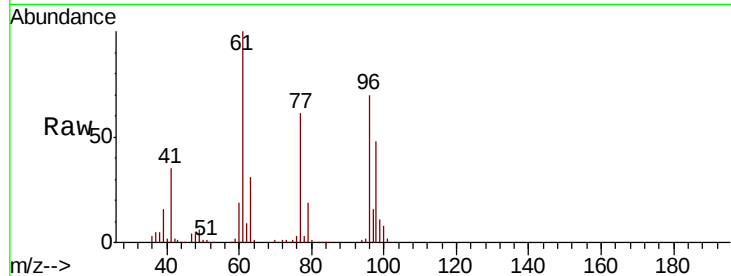
cis-1,2-Dichloroethene
 Concen: 49.208 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.00 min
 Lab File: VX005623.D
 Acq: 26 Oct 2018 23:21

Instrument :
 MSVOA_X
 ClientSampleId :
 DL-SW-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	153.6	0.0	304.6	
98	65.5	0.0	127.4	

Manual Integrations
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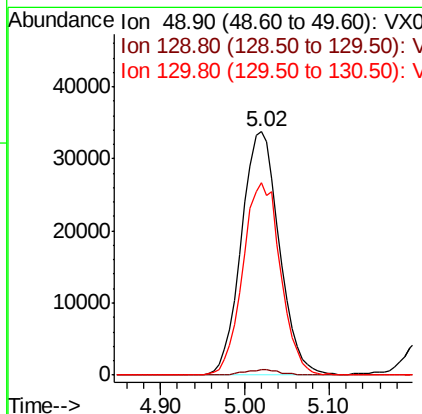
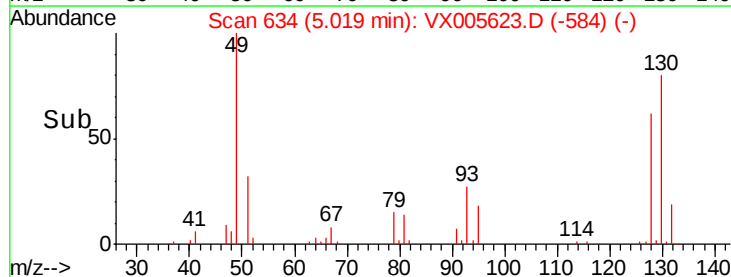
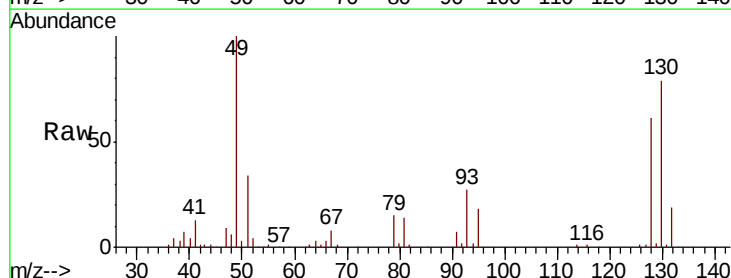
MMDadoda
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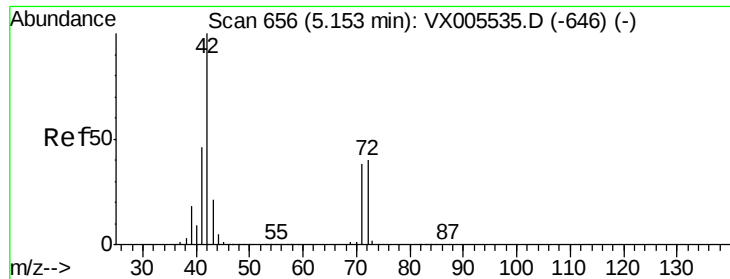


#28

Bromochloromethane
 Concen: 47.833 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.01 min
 Lab File: VX005623.D
 Acq: 26 Oct 2018 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.1	0.0	4.0	
130	78.6	58.9	88.3	





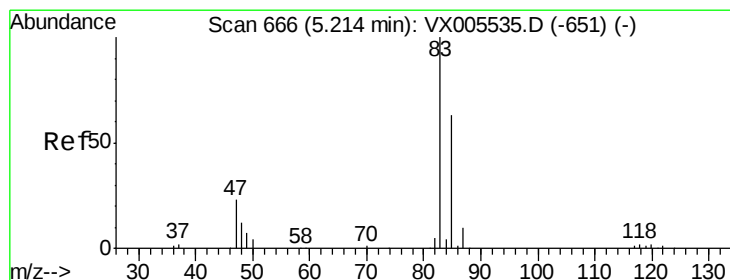
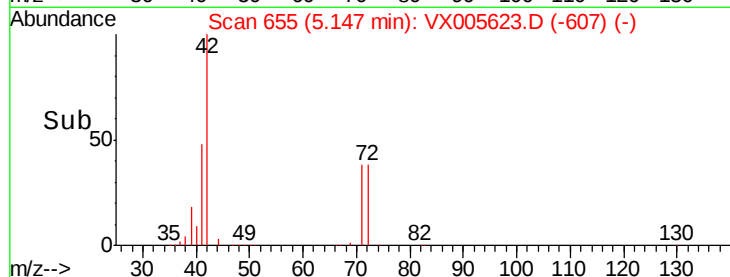
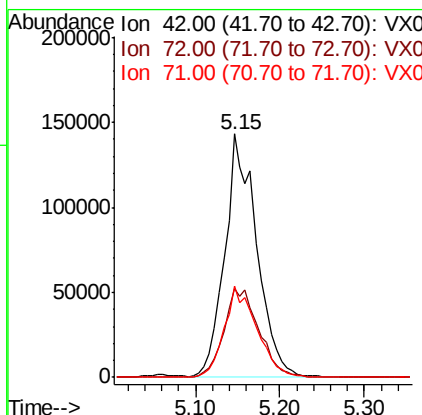
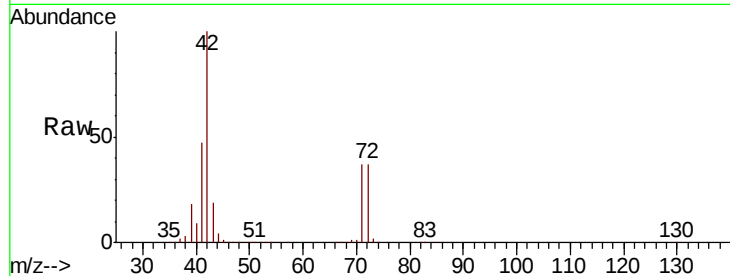
#29
Tetrahydrofuran
Concen: 256.032 ug/l
RT: 5.15 min Scan# 655
Delta R.T. -0.01 min
Lab File: VX005623.D
Acq: 26 Oct 2018 23:21

Instrument :
MSVOA_X
ClientSampleId :
DL-SW-01MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.8	32.0	48.0
71	38.4	29.8	44.8

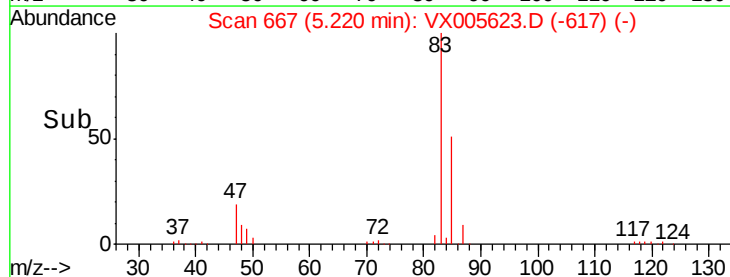
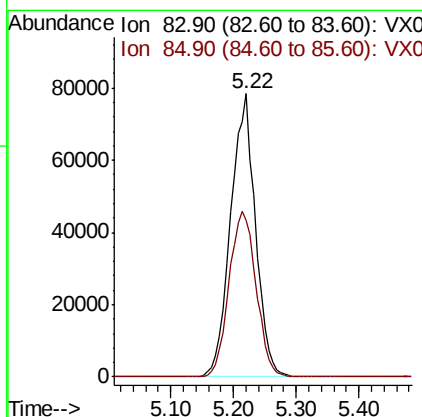
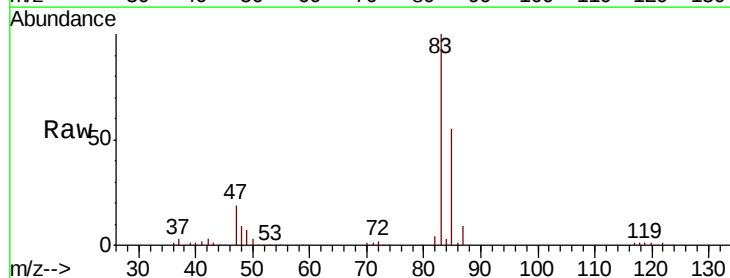
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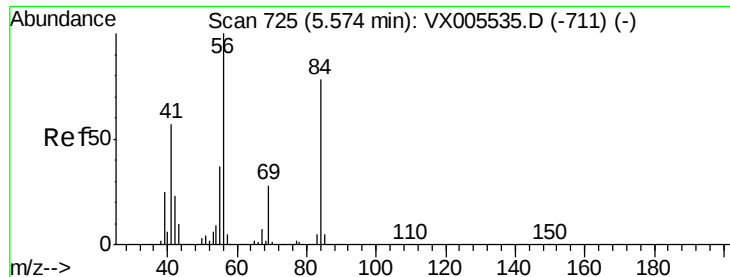
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#30
Chloroform
Concen: 51.541 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX005623.D
Acq: 26 Oct 2018 23:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	55.4	50.6	76.0





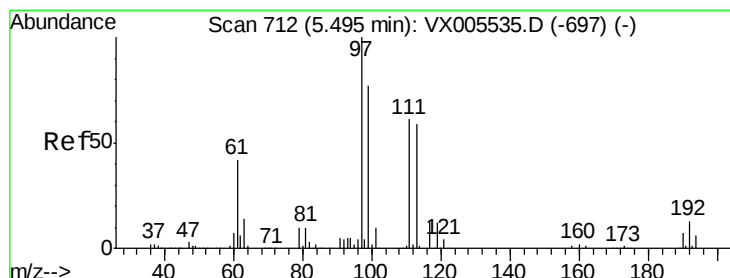
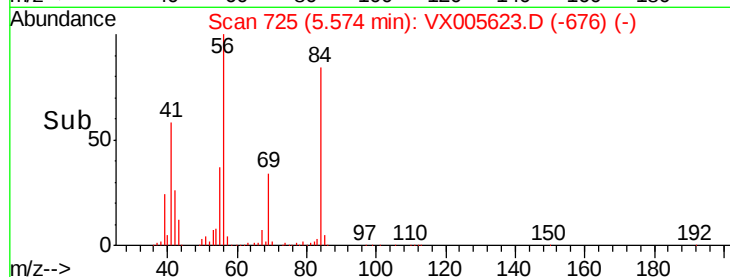
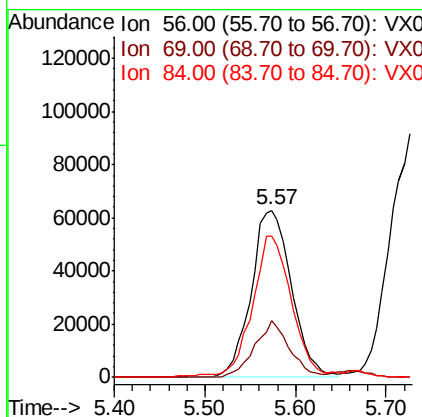
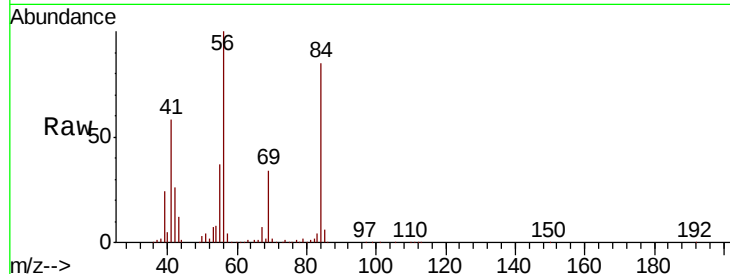
#31
Cyclohexane
Concen: 52.380 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX005623.D
Acq: 26 Oct 2018 23:21

Instrument :
MSVOA_X
ClientSampleId :
DL-SW-01MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.8	22.6	34.0
84	83.5	62.7	94.1

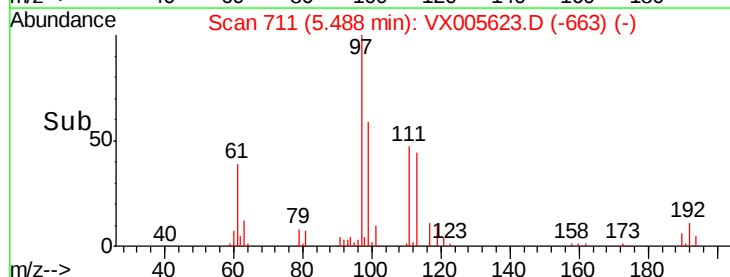
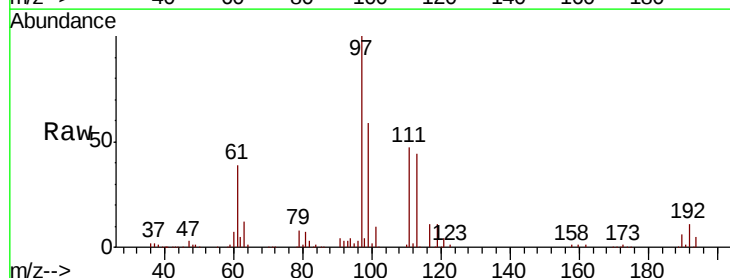
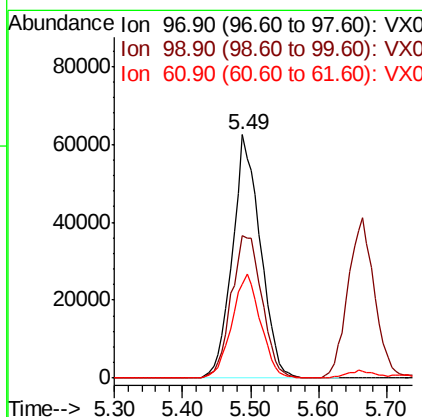
Manual Integrations
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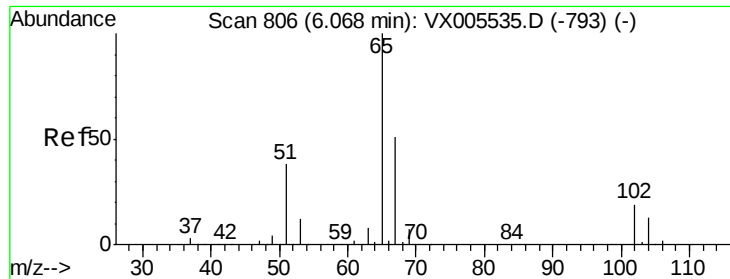
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 48.331 ug/l
RT: 5.49 min Scan# 711
Delta R.T. -0.01 min
Lab File: VX005623.D
Acq: 26 Oct 2018 23:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	52.3	78.5
61	43.8	35.2	52.8





#33

1,2-Dichloroethane-d4

Concen: 49.328 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

DL-SW-01MSD

Tot Ion: 65 Resp: 134976

Ion Ratio Lower Upper

65 100

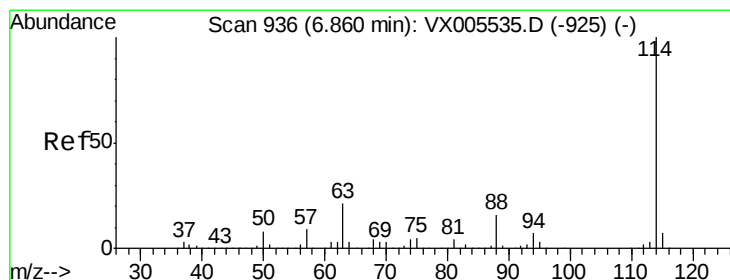
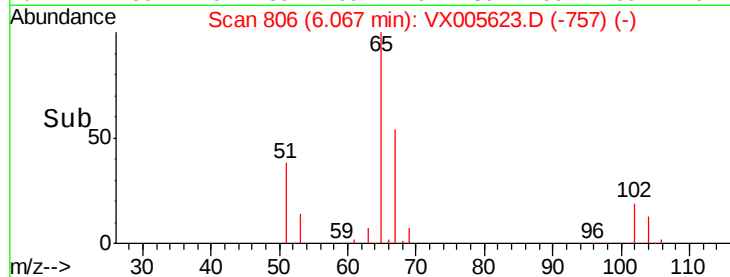
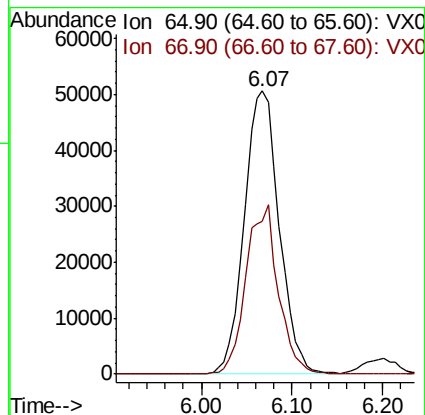
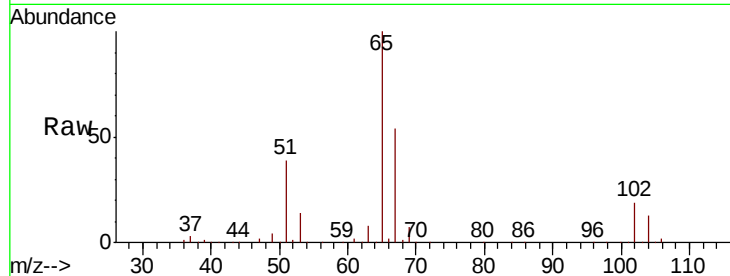
67 55.1 0.0 105.0

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

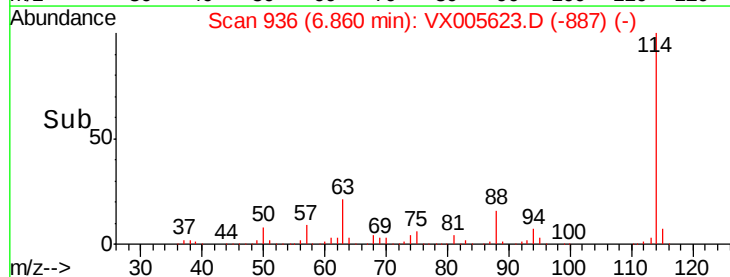
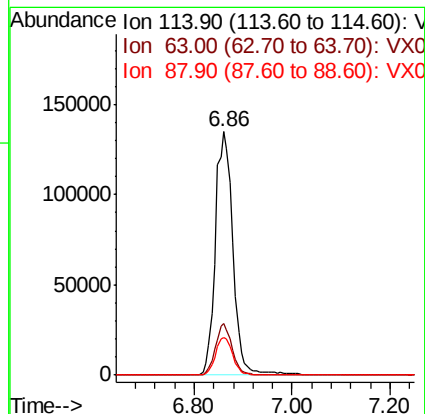
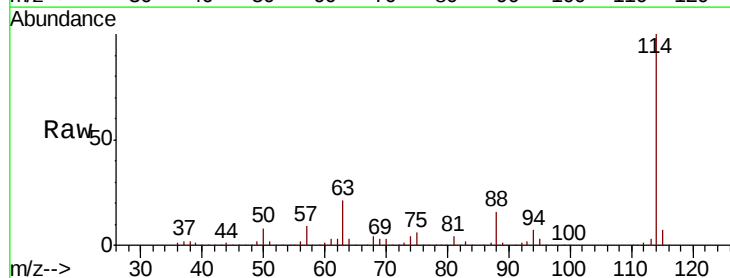
Tgt Ion: 114 Resp: 336608

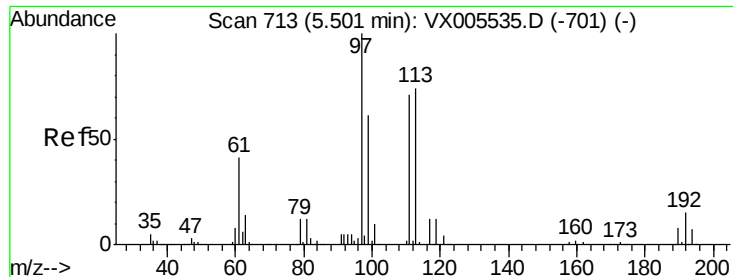
Ion Ratio Lower Upper

114 100

63 21.1 0.0 42.8

88 15.7 0.0 31.2





#35

Dibromofluoromethane

Concen: 46.697 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Instrument :

MSVOA_X

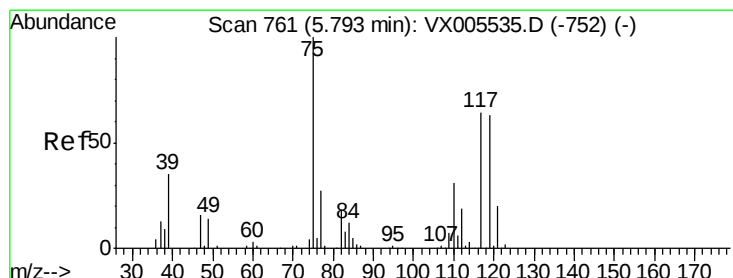
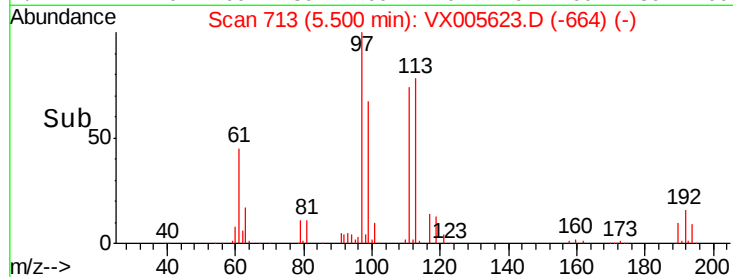
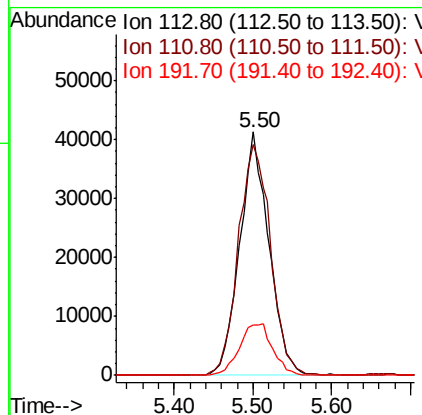
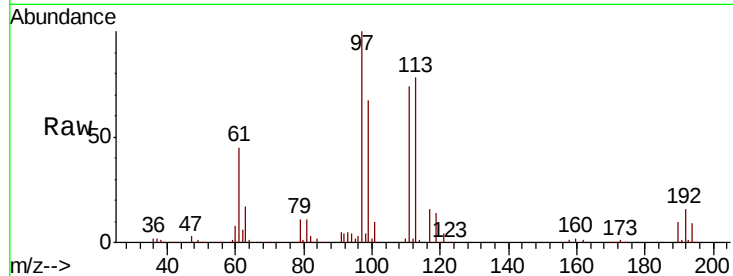
ClientSampleId :

DL-SW-01MSD

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.2	82.3	123.5
192	24.0	17.9	26.9

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#36

1,1-Dichloropropene

Concen: 47.850 ug/l

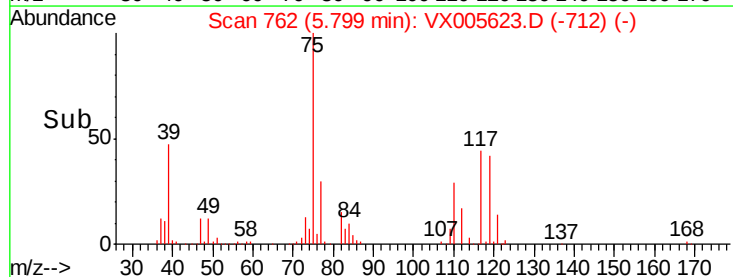
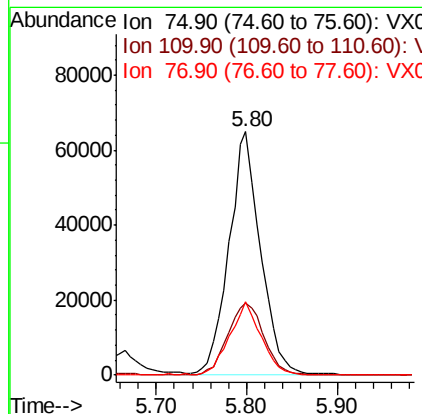
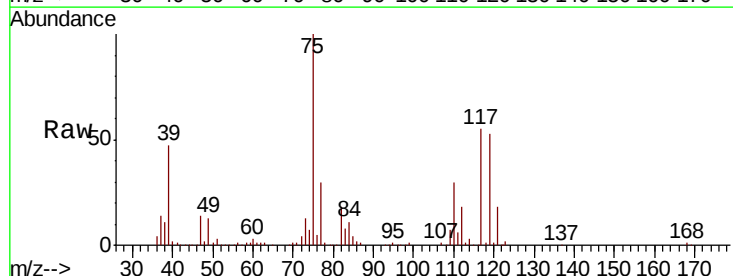
RT: 5.80 min Scan# 762

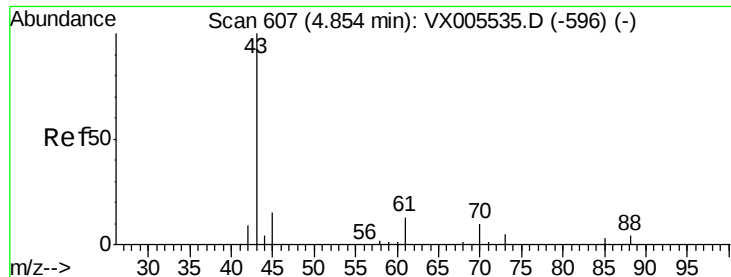
Delta R.T. 0.01 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.1	17.4	52.2
77	30.3	25.8	38.6





#37

Ethyl Acetate

Concen: 42.641 ug/l

RT: 4.85 min Scan# 607

Delta R.T. -0.00 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Instrument :

MSVOA_X

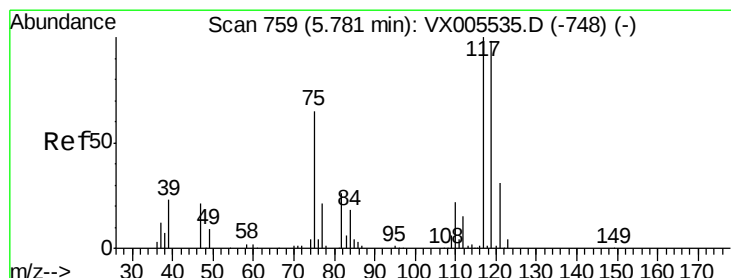
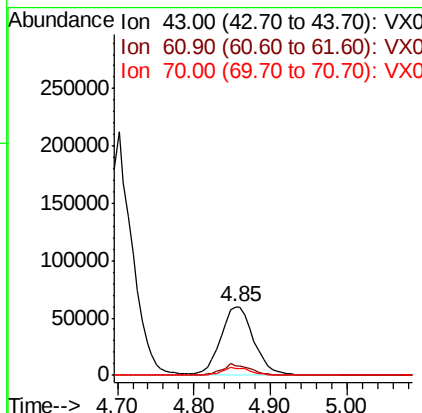
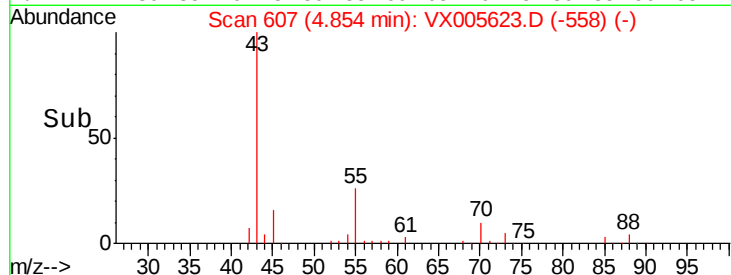
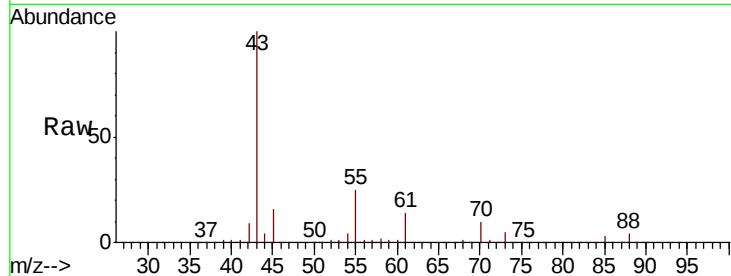
ClientSampleId :

DL-SW-01MSD

Tot Ion:	43	Resp:	177750
Ion	Ratio	Lower	Upper
43	100		
61	14.4	10.8	16.2
70	10.2	7.8	11.8

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 46.364 ug/l

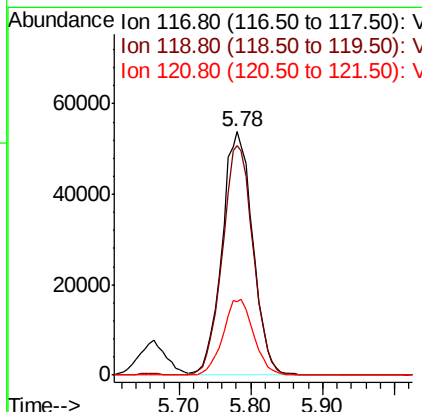
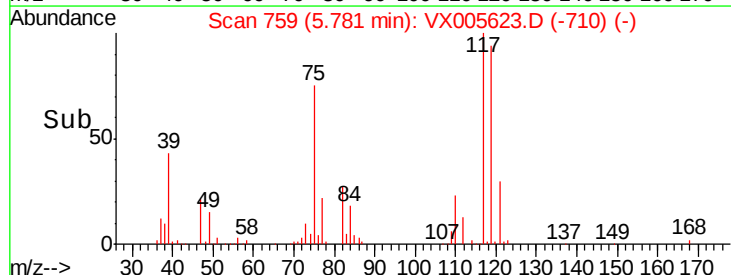
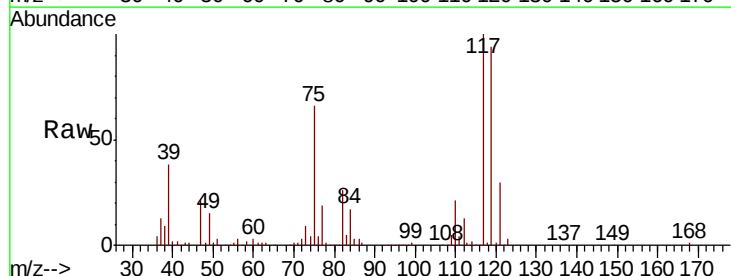
RT: 5.78 min Scan# 759

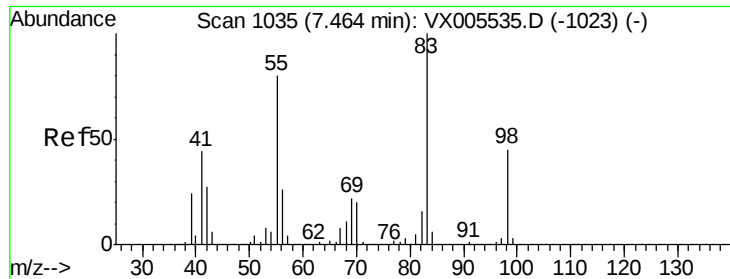
Delta R.T. -0.00 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Tgt Ion:	117	Resp:	159516
Ion	Ratio	Lower	Upper
117	100		
119	94.5	78.1	117.1
121	30.0	24.6	36.8





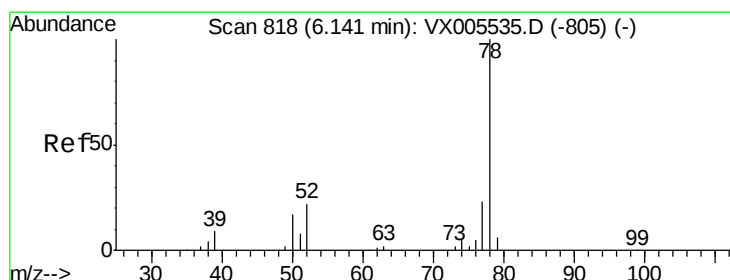
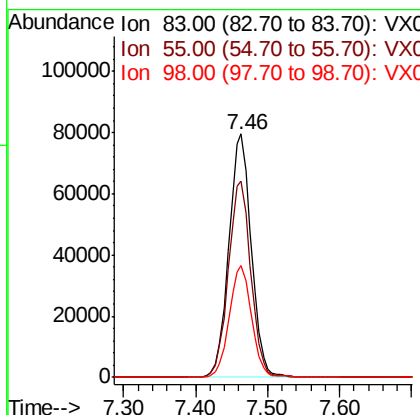
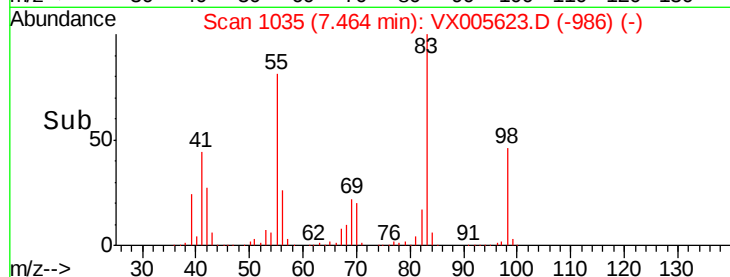
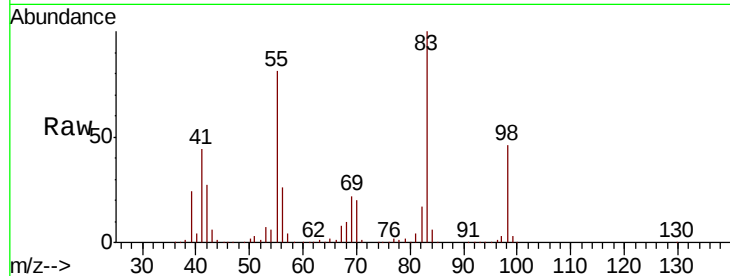
#39
Methvlcvclohexane
Concen: 47.792 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX005623.D
Acq: 26 Oct 2018 23:21

Instrument :
MSVOA_X
ClientSampleId :
DL-SW-01MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.6	63.7	95.5
98	46.0	36.2	54.2

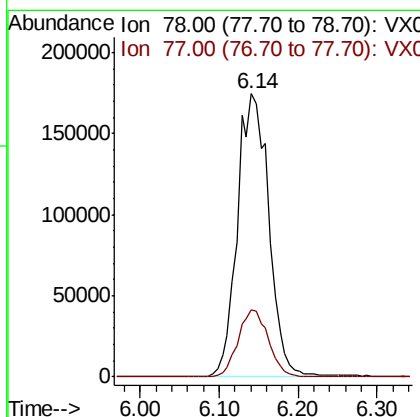
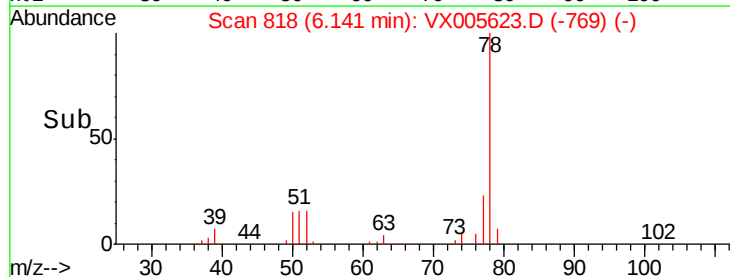
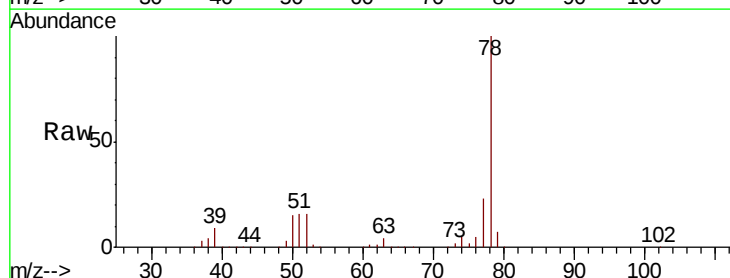
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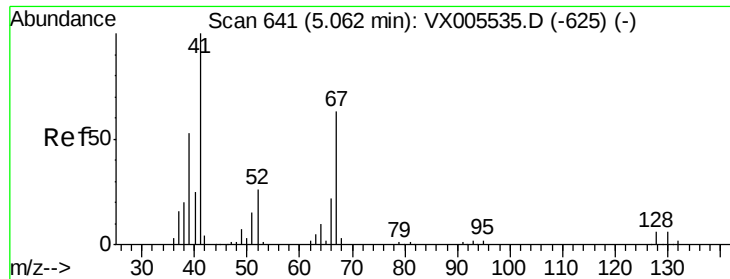
MMDadoda
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#40
Benzene
Concen: 51.734 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX005623.D
Acq: 26 Oct 2018 23:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.4	27.6





#41

Methacrylonitrile

Concen: 49.320 ug/l

RT: 5.06 min Scan# 641

Delta R.T. -0.00 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Instrument :

MSVOA_X

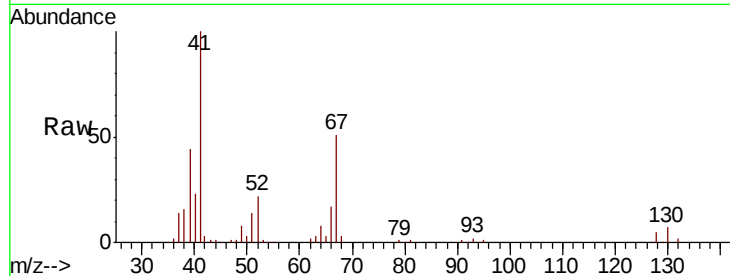
ClientSampleId :

DL-SW-01MSD

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.2	42.2	63.2	
67	63.2	53.4	80.0	
52	26.9	23.4	35.2	

Manual Integrations
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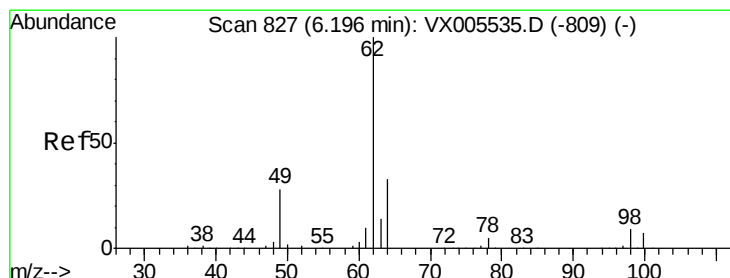
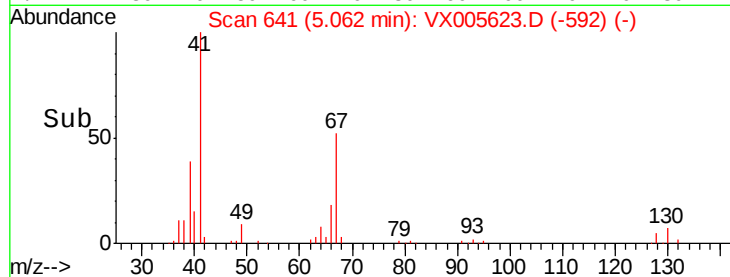
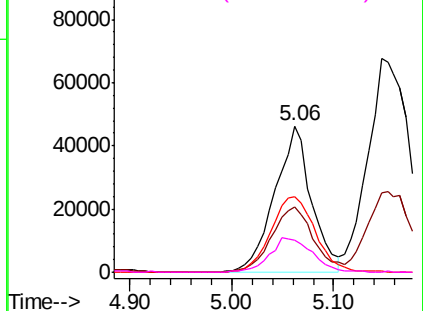
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 47.985 ug/l

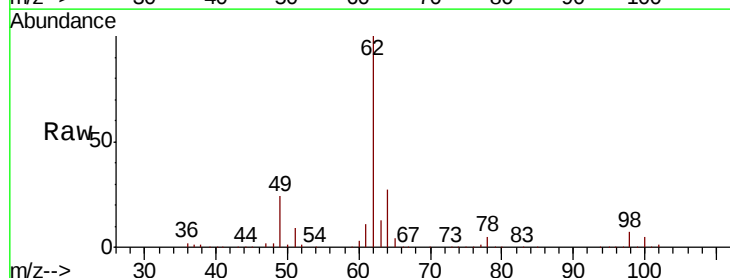
RT: 6.20 min Scan# 828

Delta R.T. 0.01 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

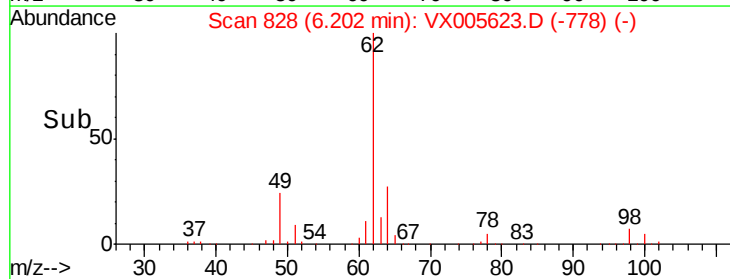
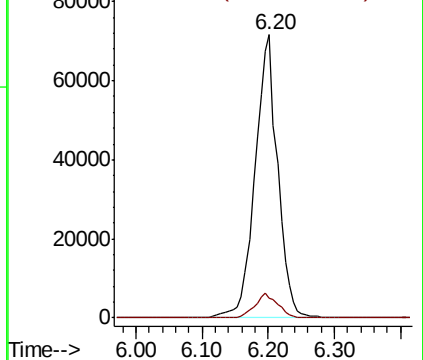
Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.8	0.0	17.8	

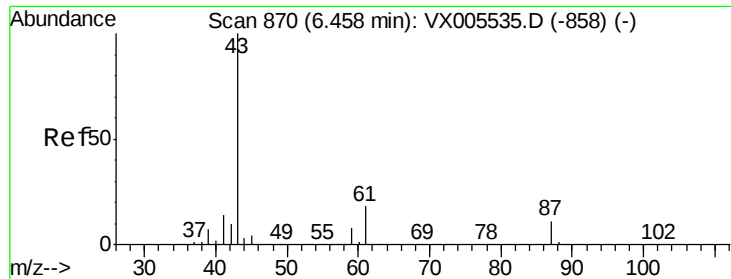


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

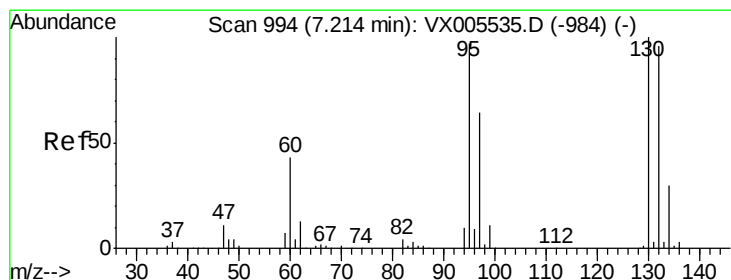
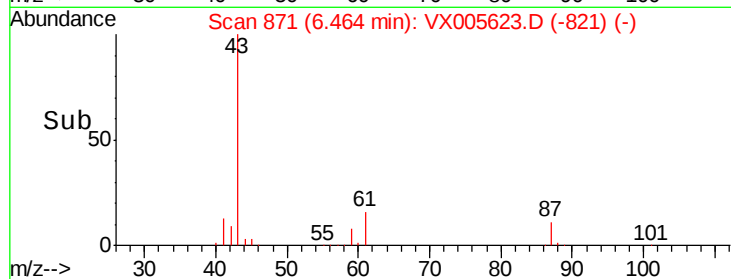
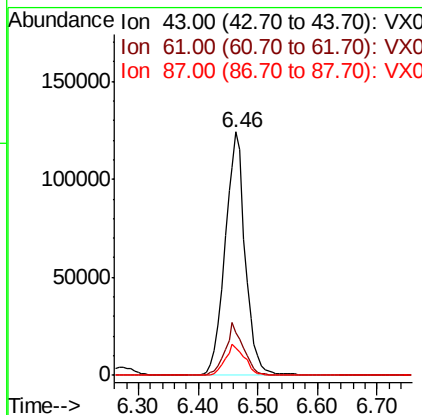
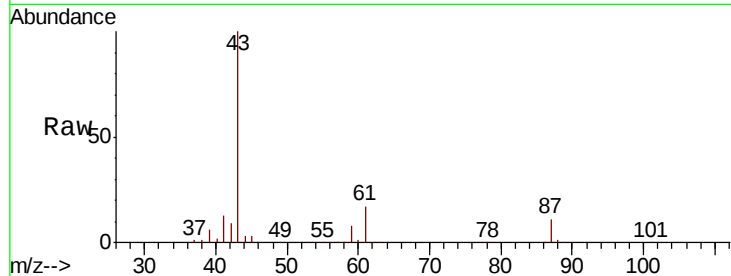
Isopropyl Acetate
 Concen: 46.184 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. 0.01 min
 Lab File: VX005623.D
 Acq: 26 Oct 2018 23:21

Instrument :
 MSVOA_X
 ClientSampleId :
 DL-SW-01MSD

Tot Ion	43	61	87
Resp	288492		
Ratio	100	19.5	12.5
Lower		14.6	9.6
Upper		22.0	14.4

Manual Integrations
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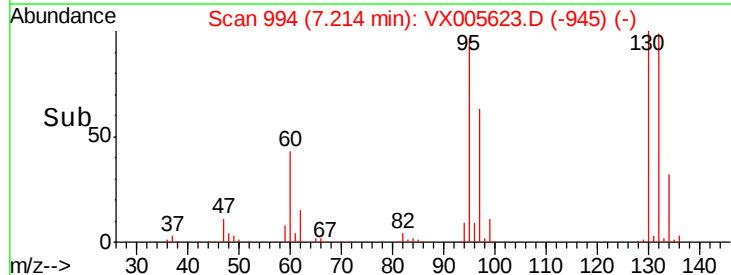
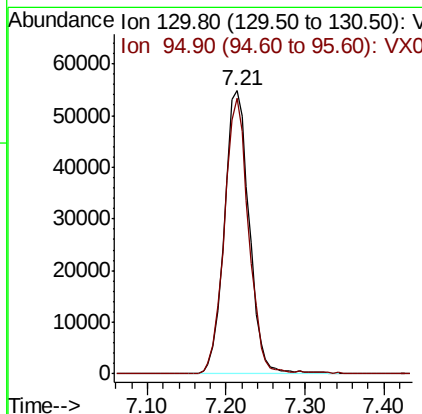
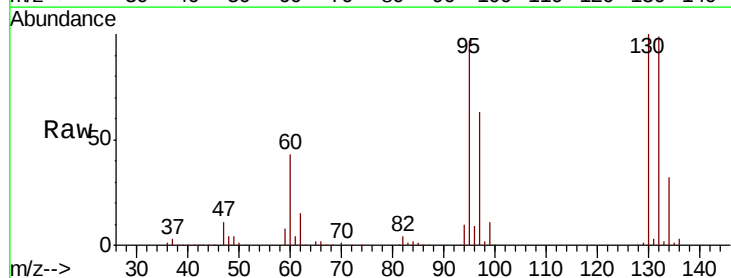
MMDadoda
 10/29/2018 12:43:45 PM



#44

Trichloroethene
 Concen: 47.084 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX005623.D
 Acq: 26 Oct 2018 23:21

Tgt Ion	130	95
Resp	120112	
Ratio	100	97.4
Lower		0.0
Upper		194.2





#45

1,2-Dichloropropane

Concen: 48.089 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

DL-SW-01MSD

Tot Ion: 63 Resp: 121068

Ion Ratio Lower Upper

63 100

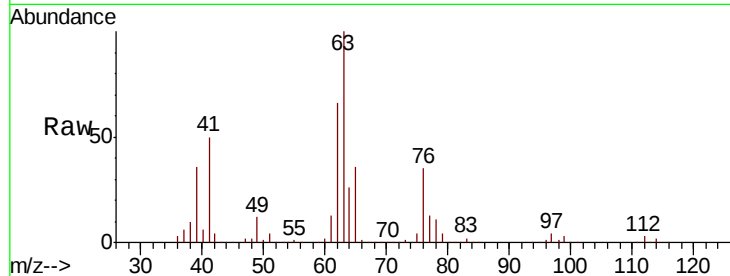
65 36.3 24.8 37.2

Manual Integrations

APPROVED

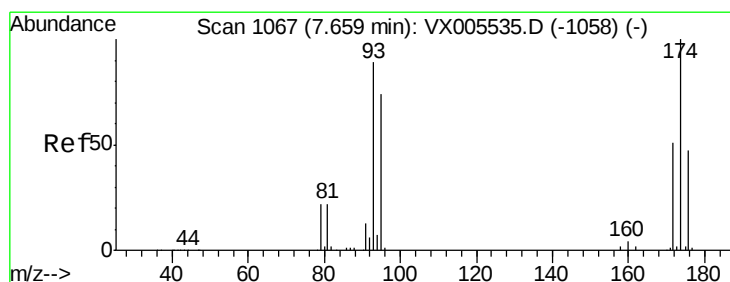
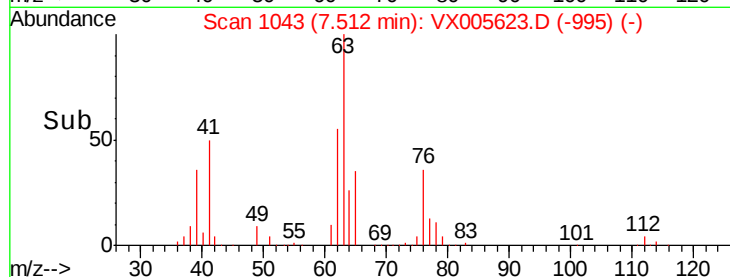
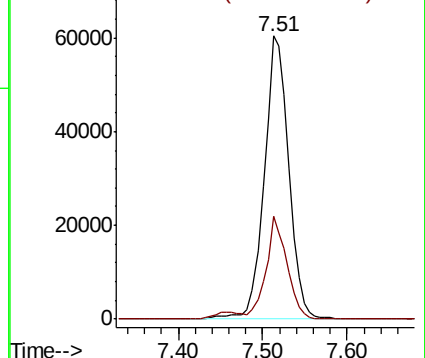
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 46.881 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

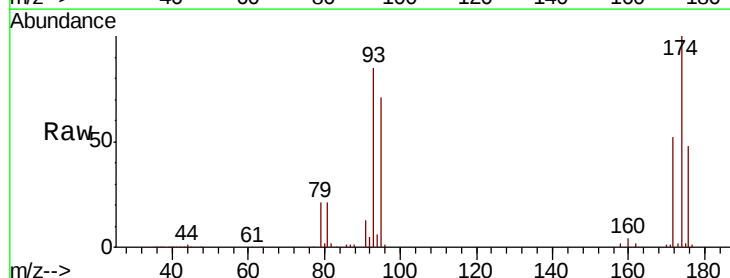
Tgt Ion: 93 Resp: 76229

Ion Ratio Lower Upper

93 100

95 82.6 67.4 101.0

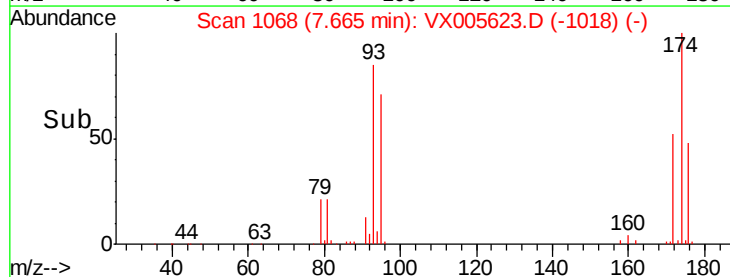
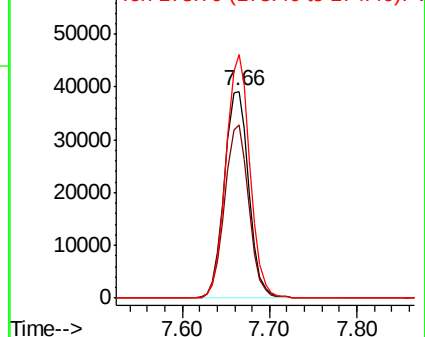
174 115.3 91.5 137.3

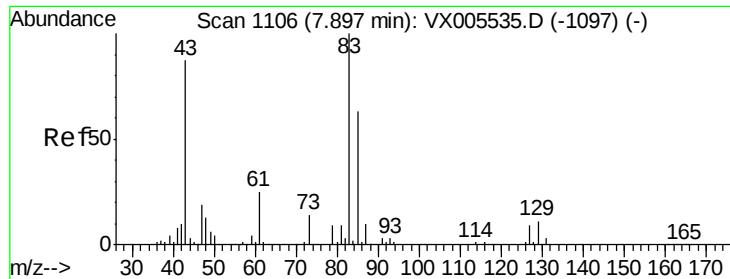


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 47.483 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Instrument :

MSVOA_X

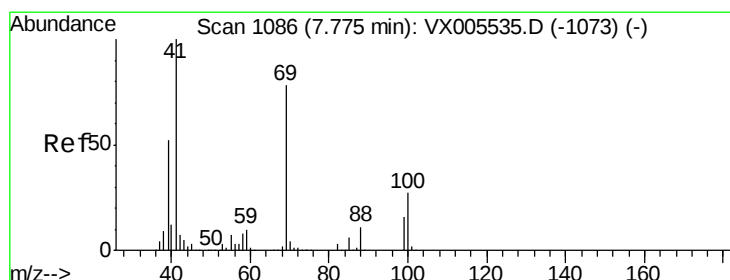
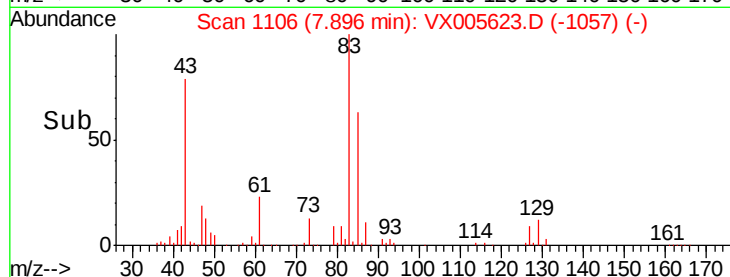
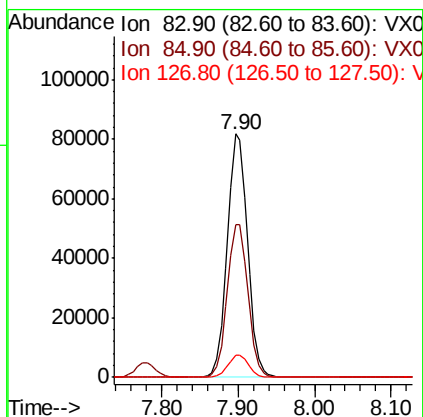
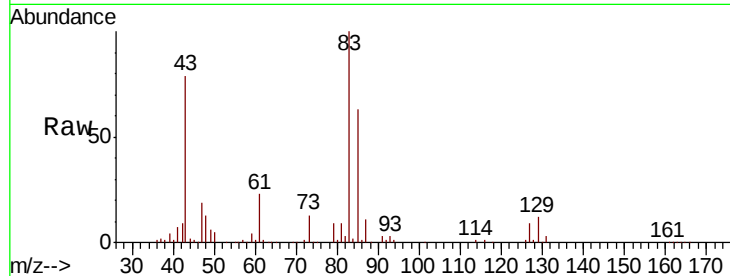
ClientSampleId :

DL-SW-01MSD

Tot Ion:	83	Resp:	149848
Ion	Ratio	Lower	Upper
83	100		
85	63.0	50.2	75.4
127	9.2	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.464 ug/l

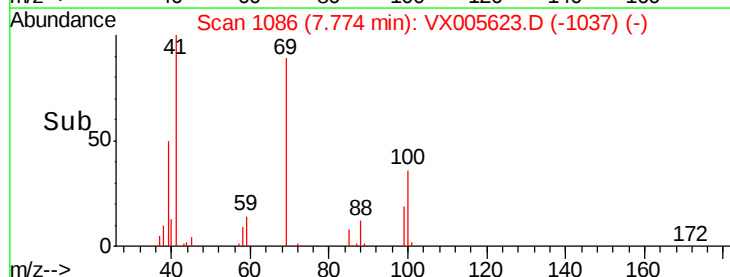
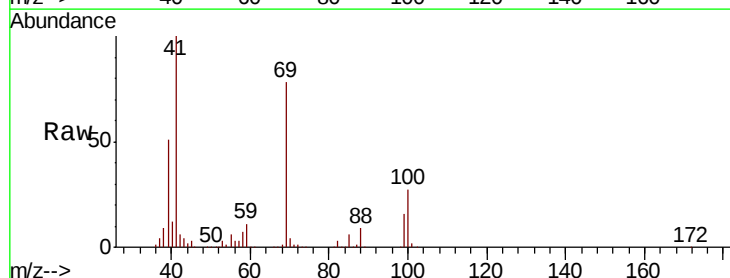
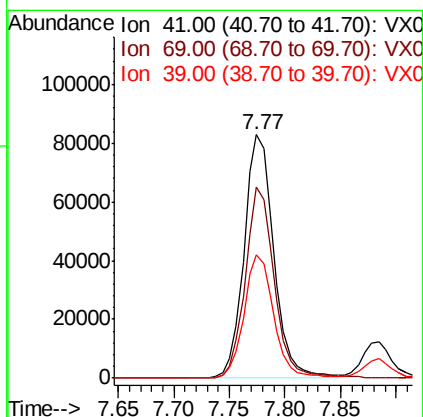
RT: 7.77 min Scan# 1086

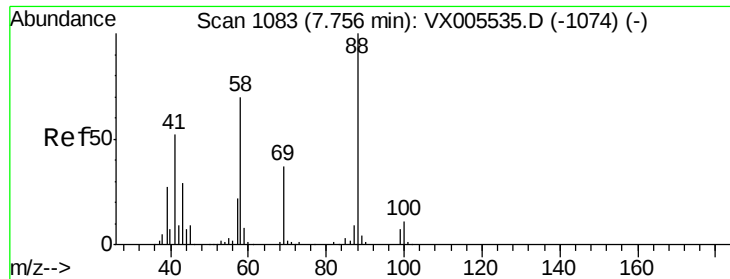
Delta R.T. -0.00 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Tgt Ion:	41	Resp:	153565
Ion	Ratio	Lower	Upper
41	100		
69	77.4	63.2	94.8
39	50.9	42.2	63.2





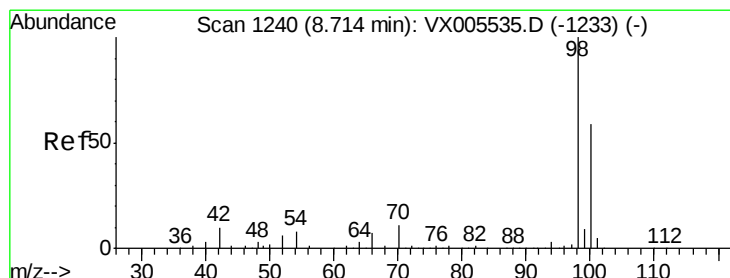
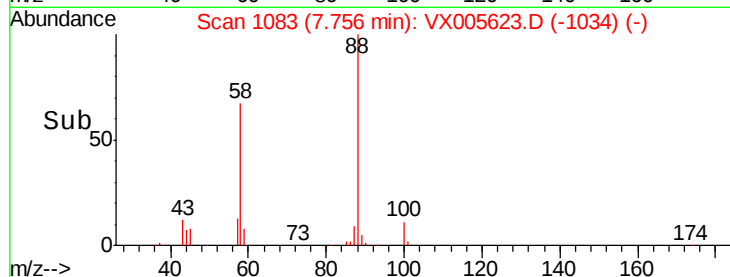
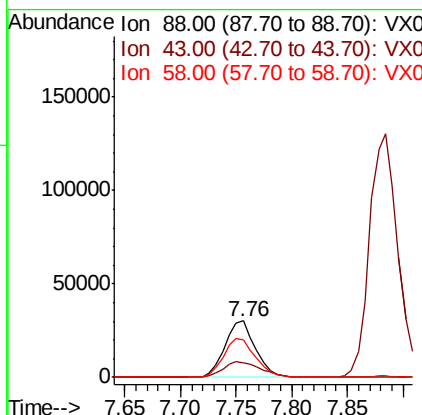
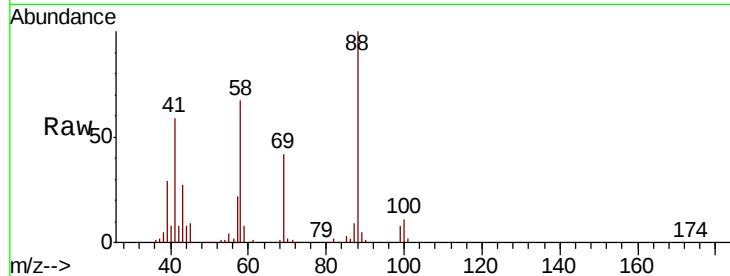
#49
1,4-Dioxane
Concen: 858.220 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX005623.D
Acq: 26 Oct 2018 23:21

Instrument :
MSVOA_X
ClientSampleId :
DL-SW-01MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.7	27.4	41.0
58	72.6	59.4	89.2

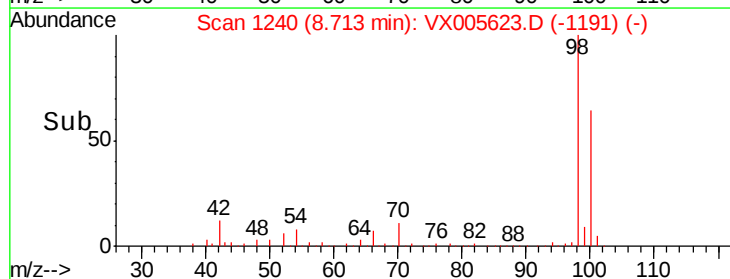
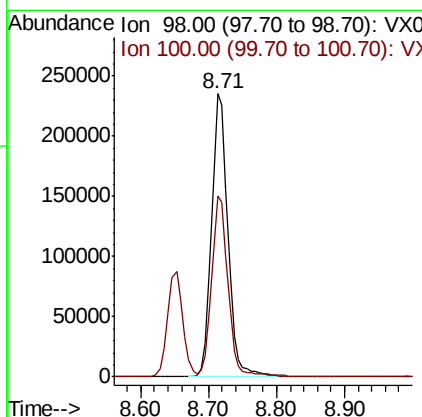
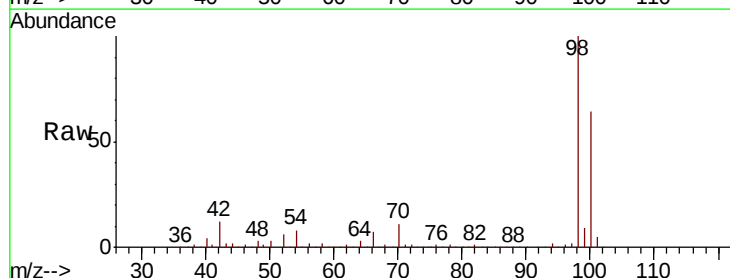
Manual Integrations
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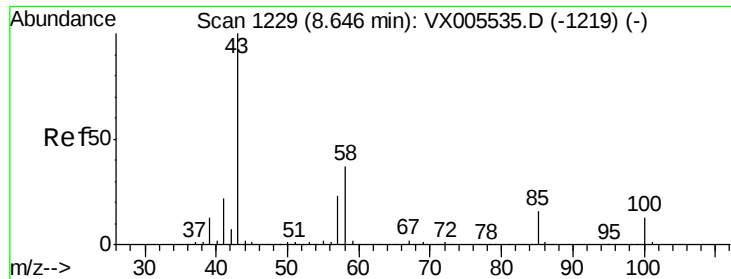
MMDadoda
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#50
Toluene-d8
Concen: 47.969 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005623.D
Acq: 26 Oct 2018 23:21

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.3	76.9





#51

4-Methyl-2-Pentanone

Concen: 239.502 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

DL-SW-01MSD

Tot Ion: 43 Resp: 1005448

Ion Ratio Lower Upper

43 100

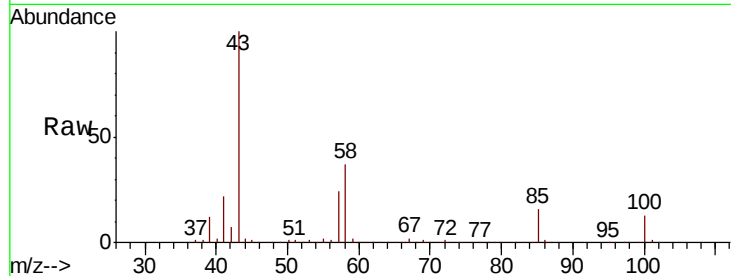
58 37.4 29.7 44.5

Manual Integrations

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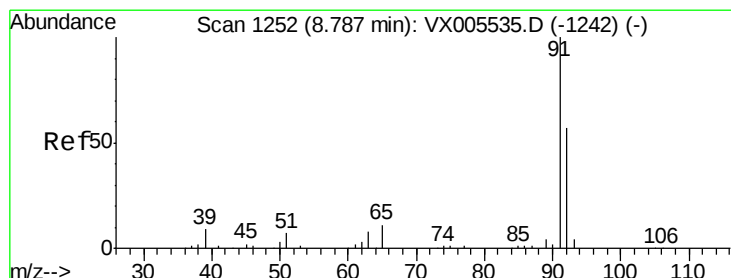
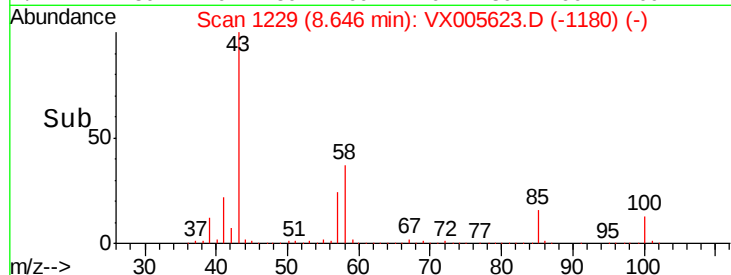
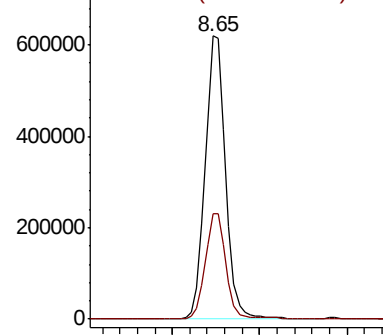
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 48.142 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005623.D

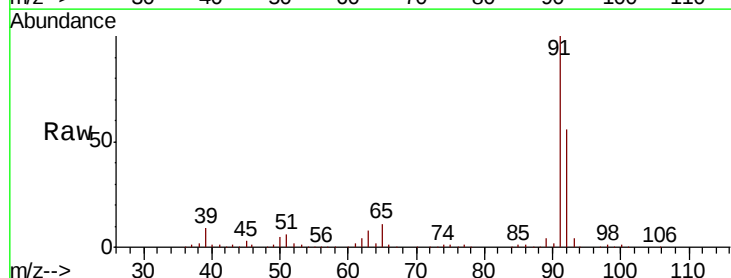
Acq: 26 Oct 2018 23:21

Tgt Ion: 92 Resp: 273980

Ion Ratio Lower Upper

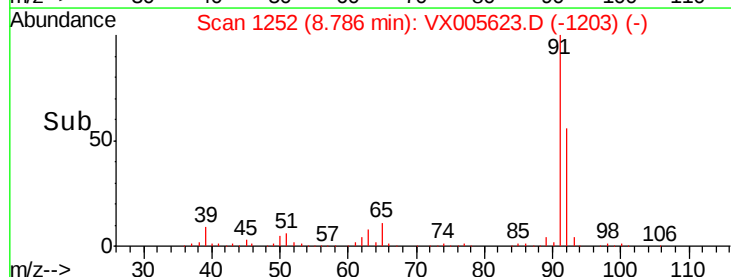
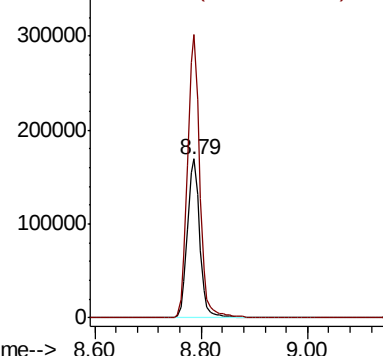
92 100

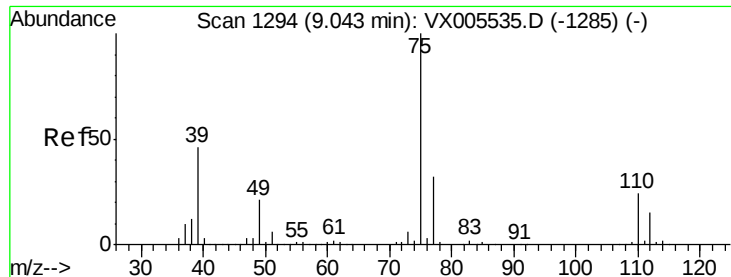
91 175.3 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





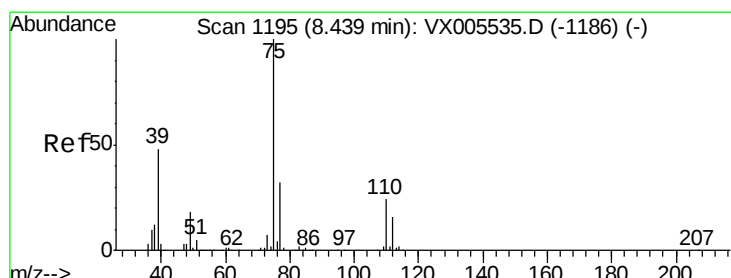
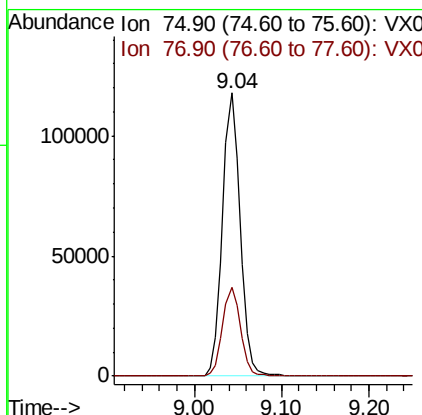
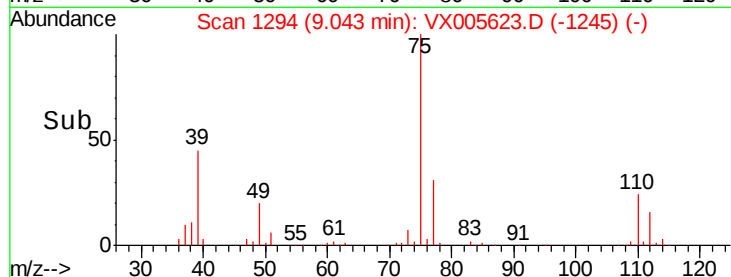
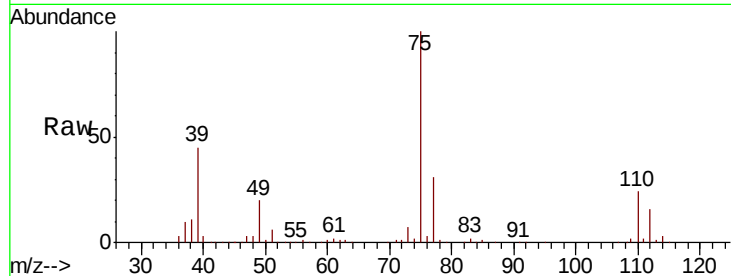
#53
 t-1,3-Dichloropropene
 Concen: 48.281 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX005623.D
 Acq: 26 Oct 2018 23:21

Instrument :
 MSVOA_X
 ClientSampleId :
 DL-SW-01MSD

Tot Ion: 75 Resp: 164675
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.4 38.2

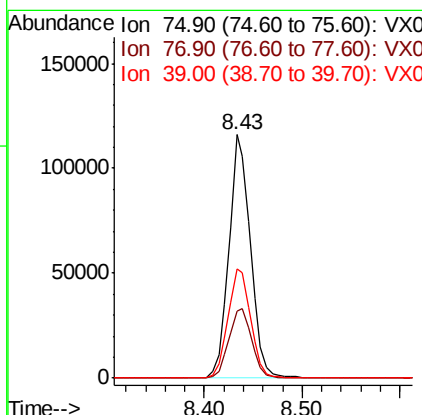
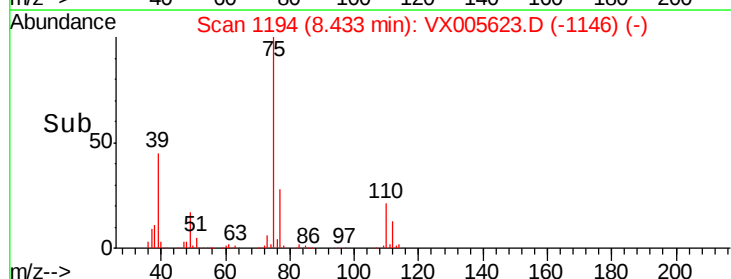
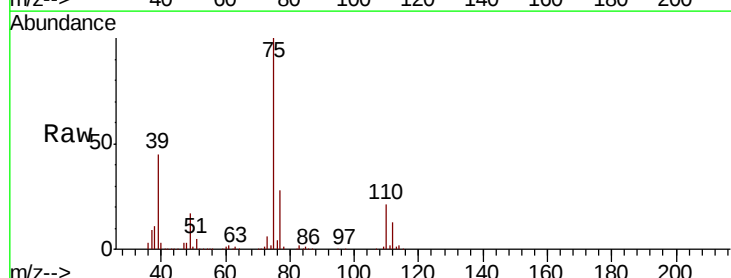
Manual Integrations
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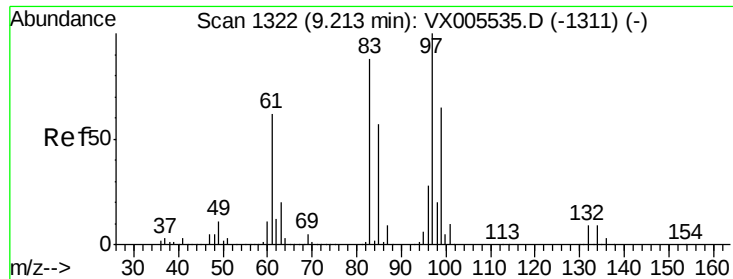
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 48.232 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: VX005623.D
 Acq: 26 Oct 2018 23:21

Tgt Ion: 75 Resp: 177116
 Ion Ratio Lower Upper
 75 100
 77 27.6 25.2 37.8
 39 45.0 38.2 57.2





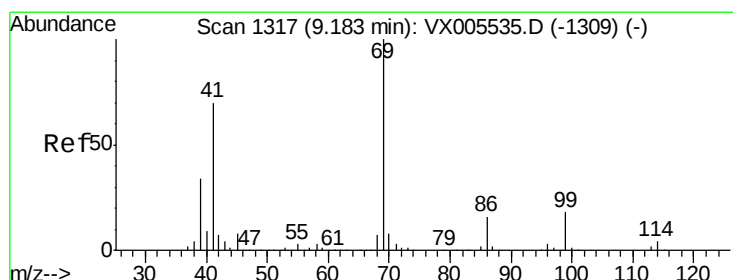
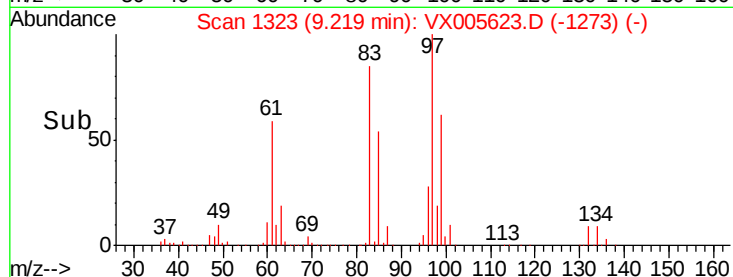
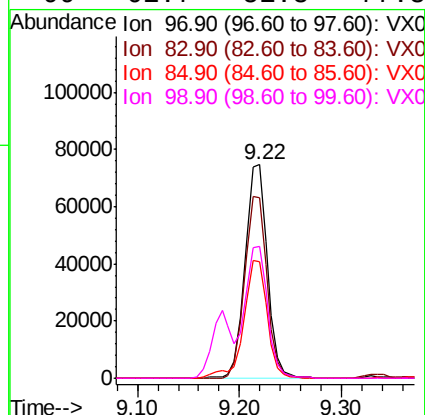
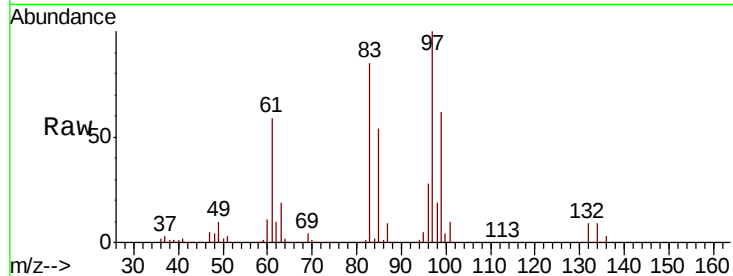
#55
 1,1,2-Trichloroethane
 Concen: 47.163 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VX005623.D
 Acq: 26 Oct 2018 23:21

Instrument :
 MSVOA_X
 ClientSampleId :
 DL-SW-01MSD

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.8	70.7	106.1
85	54.4	45.8	68.6
99	61.7	51.8	77.8

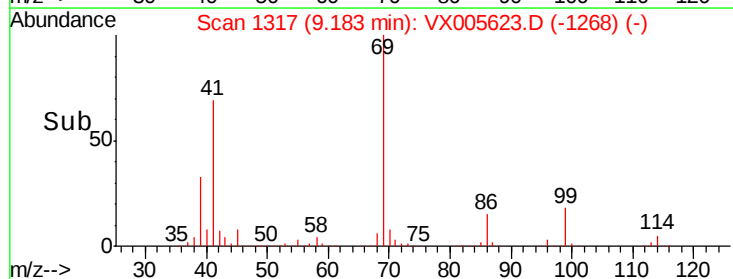
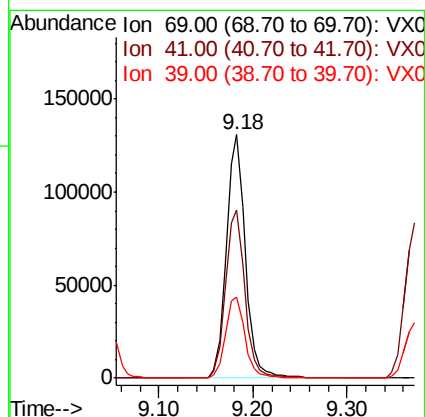
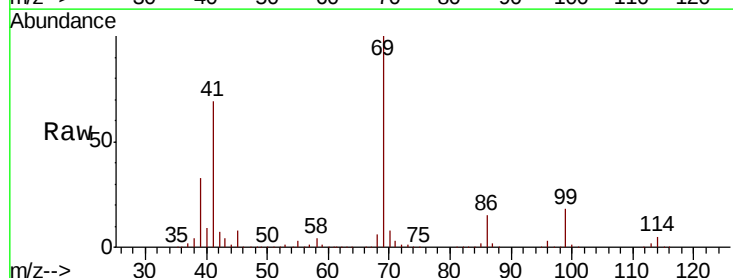
Manual Integrations
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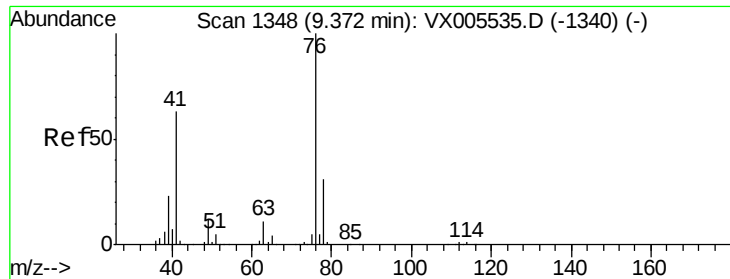
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 10/29/2018 12:43:45 PM



#56
 Ethyl methacrylate
 Concen: 50.877 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005623.D
 Acq: 26 Oct 2018 23:21

Tgt Ion	Ratio	Lower	Upper
69	100		
41	70.4	57.0	85.6
39	34.4	28.3	42.5





#57

1,3-Dichloropropane

Concen: 47.316 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

DL-SW-01MSD

Tot Ion: 76 Resp: 192095

Ion Ratio Lower Upper

76 100

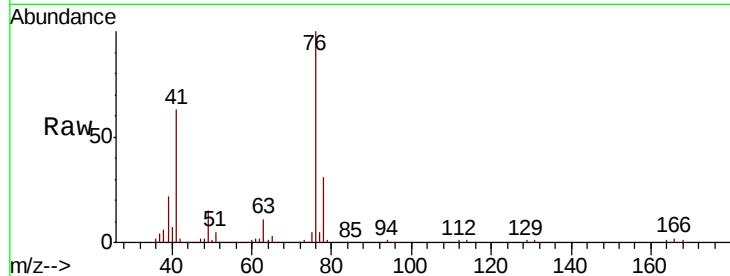
78 31.7 25.3 37.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

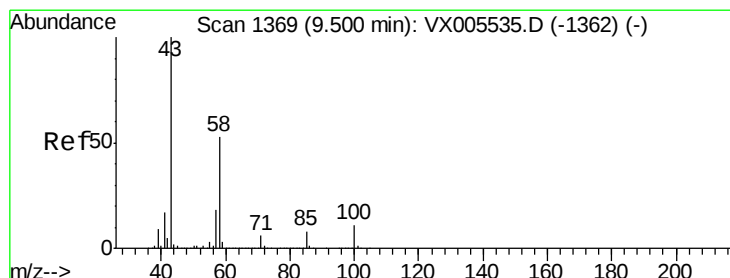
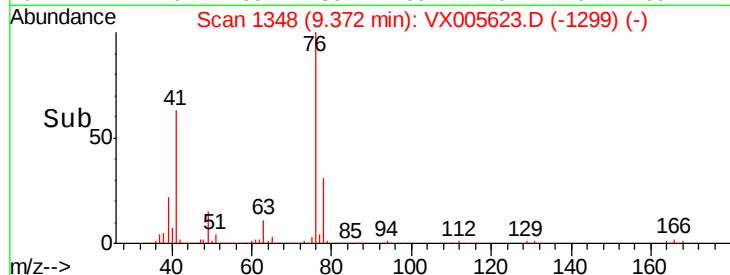
150000

100000

50000

0

Time-->



#59

2-Hexanone

Concen: 240.280 ug/l

RT: 9.50 min Scan# 1369

Delta R.T. -0.00 min

Lab File: VX005623.D

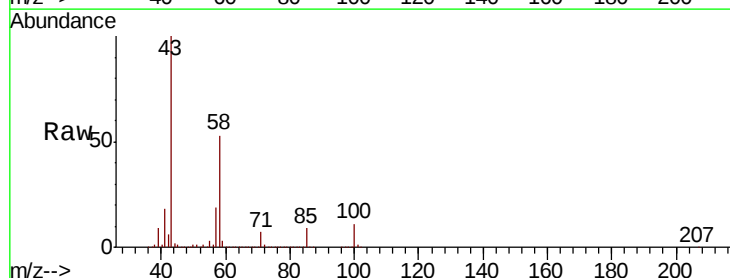
Acq: 26 Oct 2018 23:21

Tgt Ion: 43 Resp: 795320

Ion Ratio Lower Upper

43 100

58 52.5 25.9 77.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

9.50

600000

500000

400000

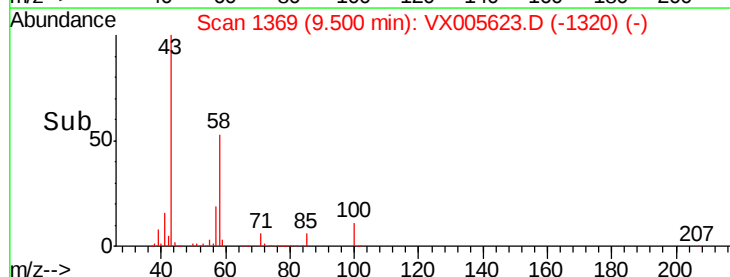
300000

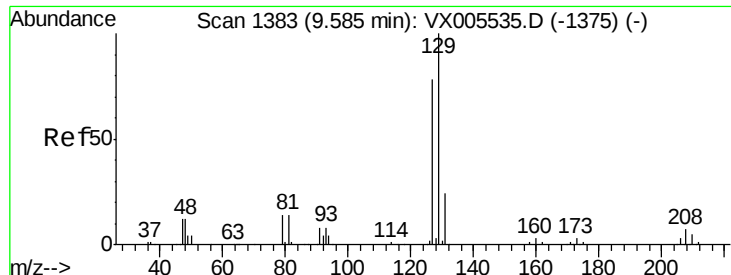
200000

100000

0

Time-->





#60

Dibromochloromethane

Concen: 48.667 ug/l

RT: 9.59 min Scan# 1383

Delta R.T. -0.00 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

DL-SW-01MSD

Tot Ion:129 Resp: 121831

Ion Ratio Lower Upper

129 100

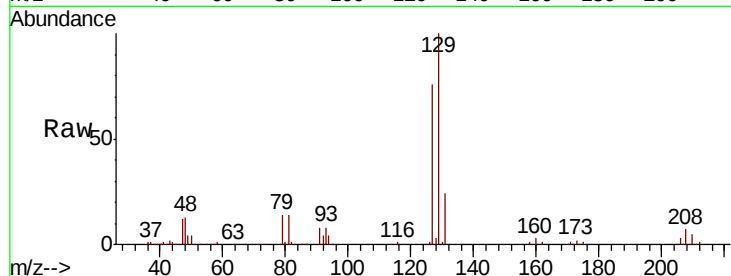
127 76.8 38.9 116.7

Manual Integrations

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.59

80000

60000

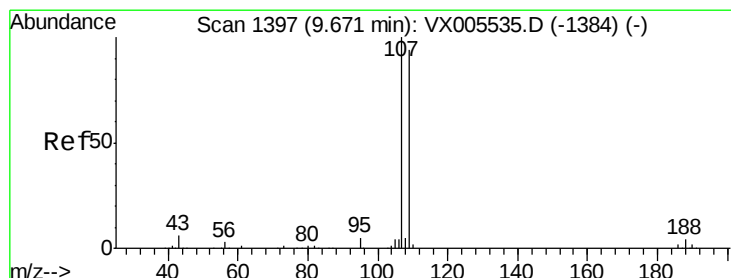
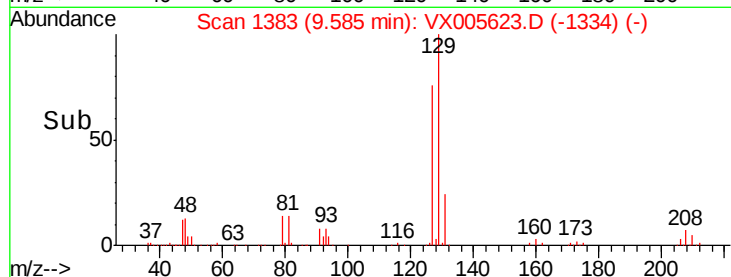
40000

20000

0

Time-->

9.50 9.55 9.60 9.65 9.70



#61

1,2-Dibromoethane

Concen: 47.326 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005623.D

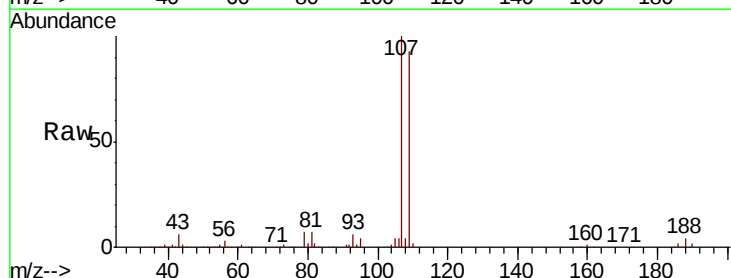
Acq: 26 Oct 2018 23:21

Tgt Ion:107 Resp: 117477

Ion Ratio Lower Upper

107 100

109 94.7 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

80000

60000

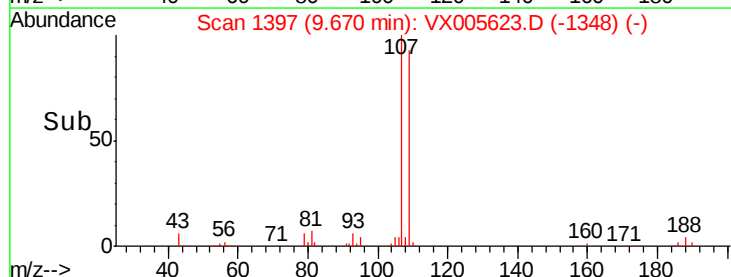
40000

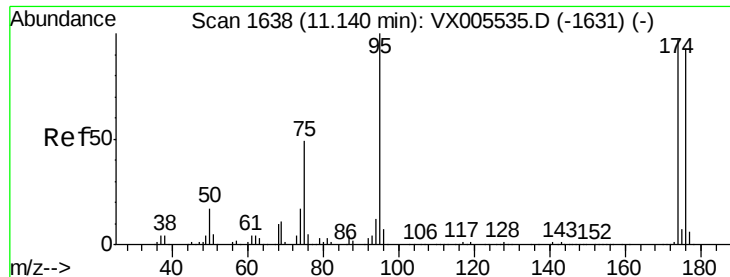
20000

0

Time-->

9.60 9.65 9.70 9.80





#62

4-Bromofluorobenzene

Concen: 48.254 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Instrument :

MSVOA_X

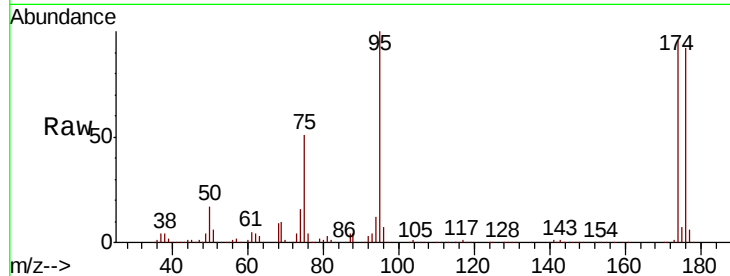
ClientSampleId :

DL-SW-01MSD

Tot Ion:	95	Resp:	149241
Ion Ratio	Lower	Upper	
95	100		
174	91.3	0.0	184.4
176	88.2	0.0	177.4

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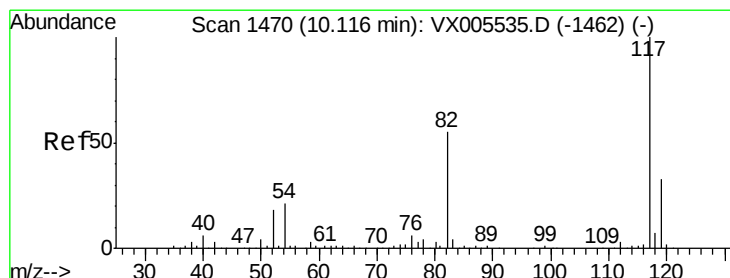
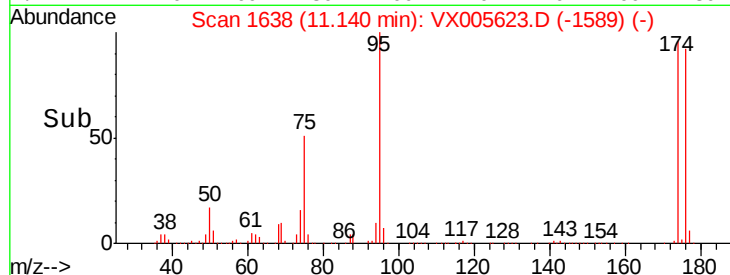
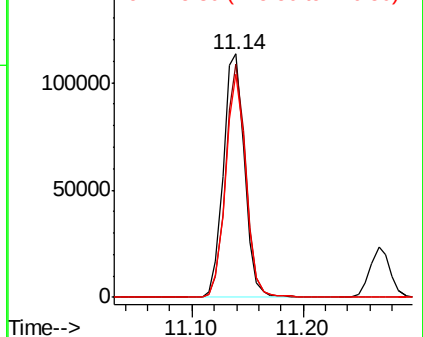


Abundance

Ion 94.90 (94.60 to 95.60): VX005535.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX005535.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX005535.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

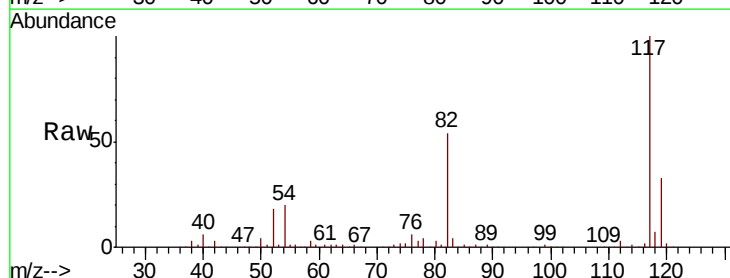
RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Tgt Ion:	117	Resp:	301841
Ion Ratio	Lower	Upper	
117	100		
82	54.1	44.1	66.1
119	32.7	26.2	39.2

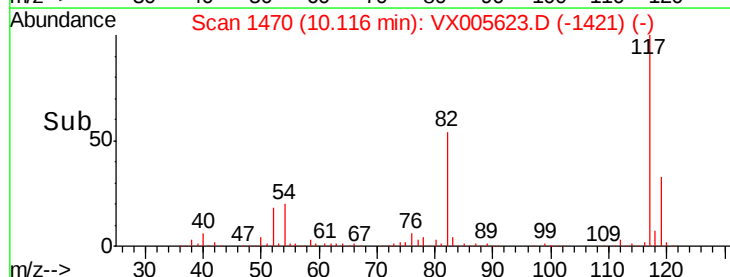
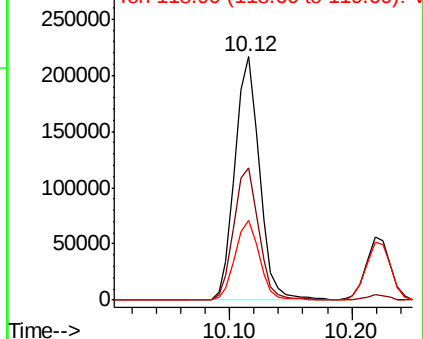


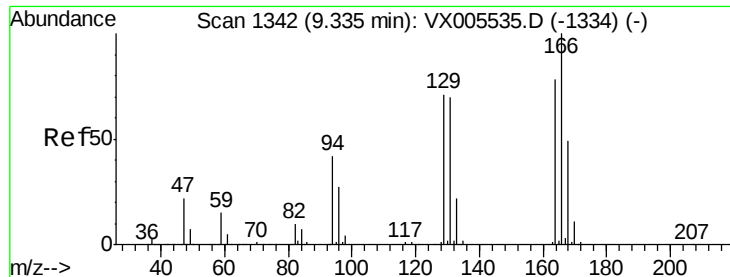
Abundance

Ion 116.90 (116.60 to 117.60): VX005535.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX005535.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX005535.D (-1462) (-)





#64

Tetrachloroethene

Concen: 45.569 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Instrument :

MSVOA_X

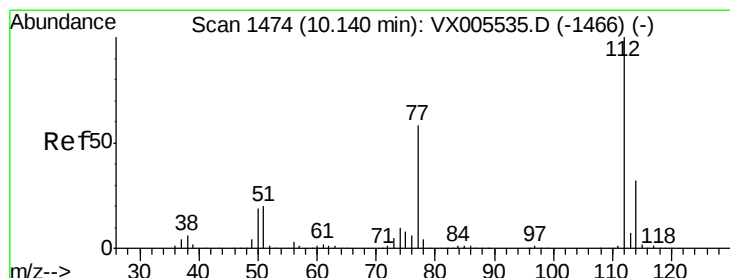
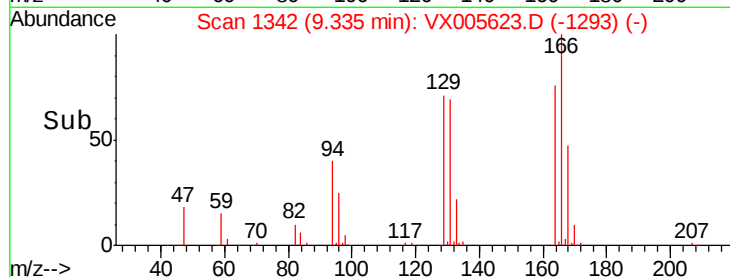
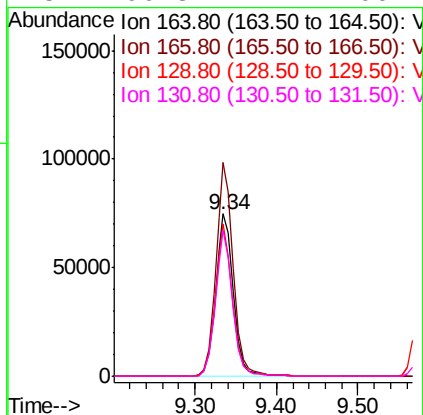
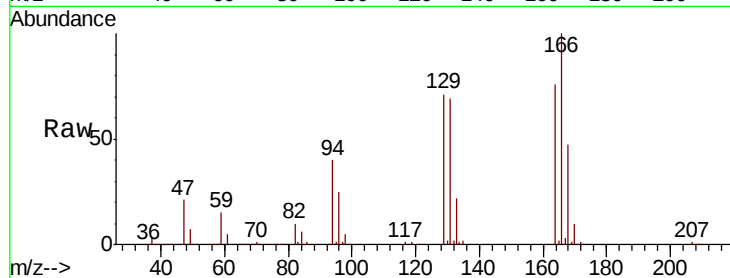
ClientSampleId :

DL-SW-01MSD

Tot Ion:	164	Resp:	114181
Ion Ratio	Lower	Upper	
164	100		
166	131.8	101.9	152.9
129	93.7	72.6	109.0
131	90.3	71.1	106.7

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#65

Chlorobenzene

Concen: 47.728 ug/l

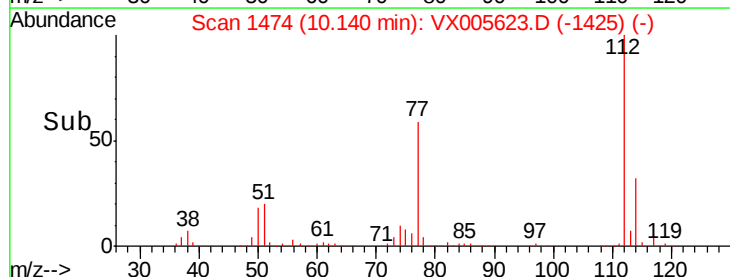
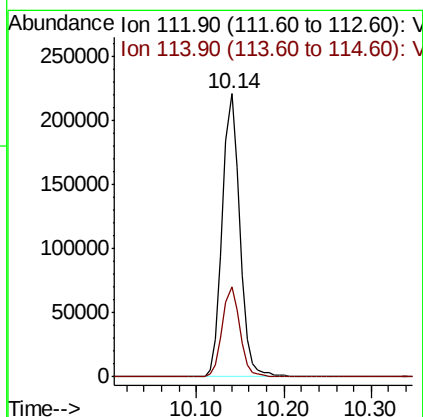
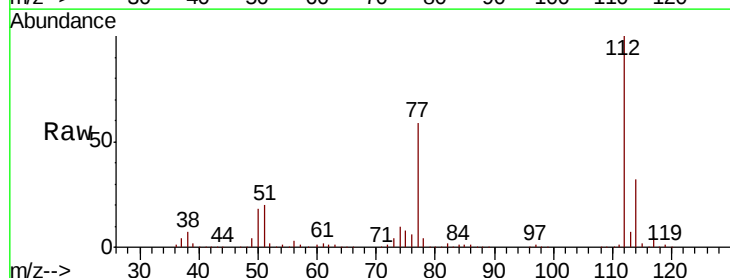
RT: 10.14 min Scan# 1474

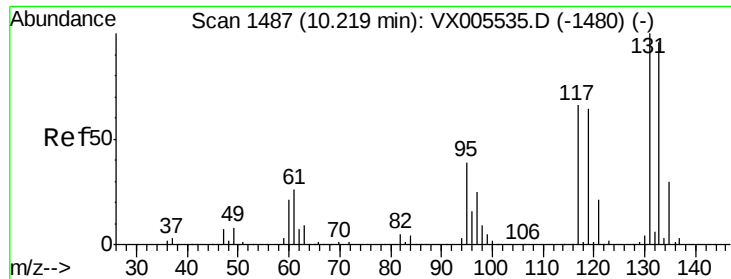
Delta R.T. -0.00 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Tgt Ion:	112	Resp:	306770
Ion Ratio	Lower	Upper	
112	100		
114	31.9	25.8	38.6





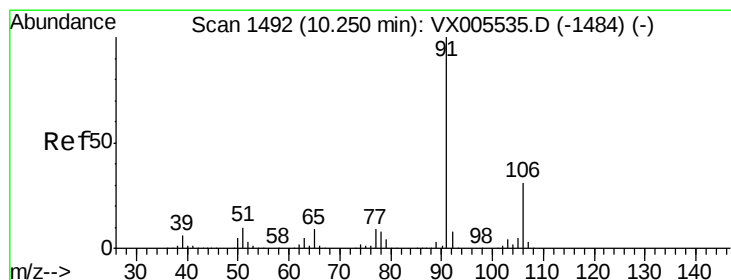
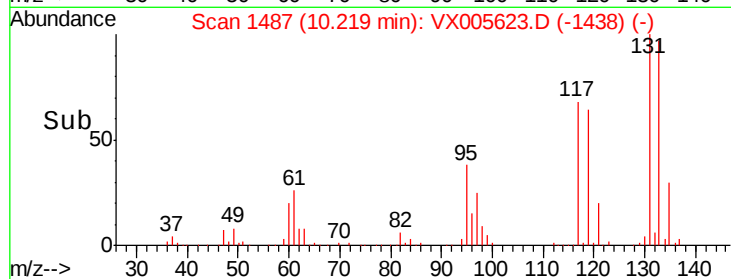
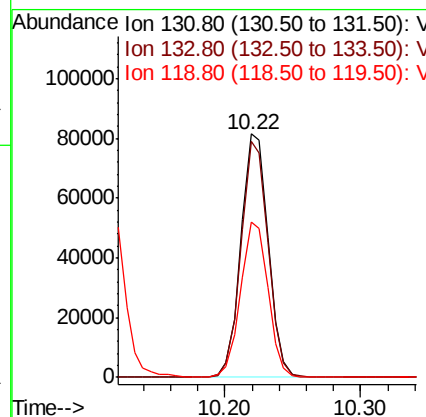
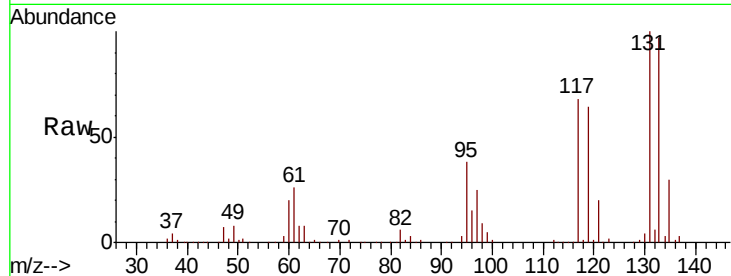
#66
 1,1,1,2-Tetrachloroethane
 Concen: 48.635 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VX005623.D
 Acq: 26 Oct 2018 23:21

Instrument :
 MSVOA_X
 ClientSampleId :
 DL-SW-01MSD

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.8	47.5	142.5
119	64.2	31.8	95.3

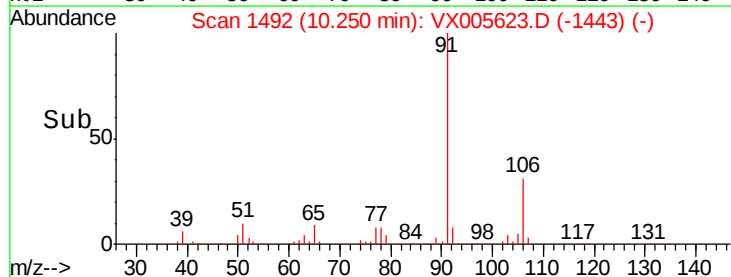
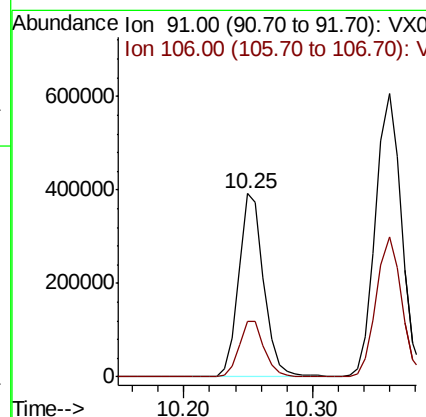
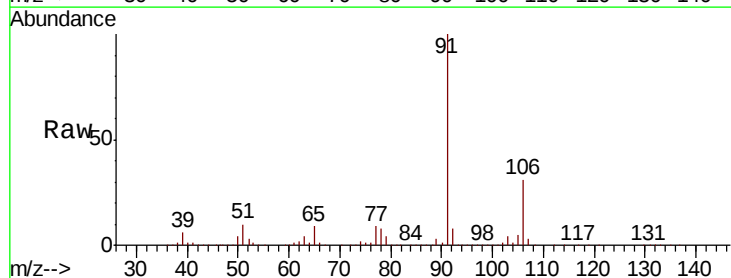
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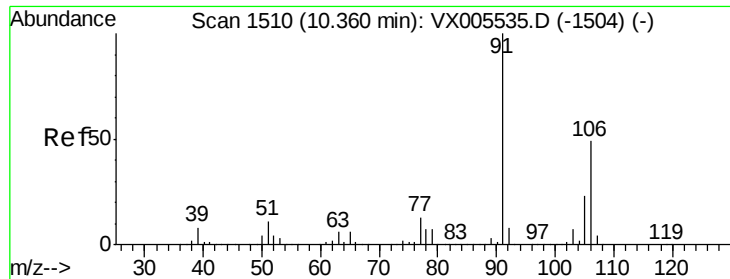
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#67
 Ethyl Benzene
 Concen: 50.430 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. -0.00 min
 Lab File: VX005623.D
 Acq: 26 Oct 2018 23:21

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.6	24.4	36.6





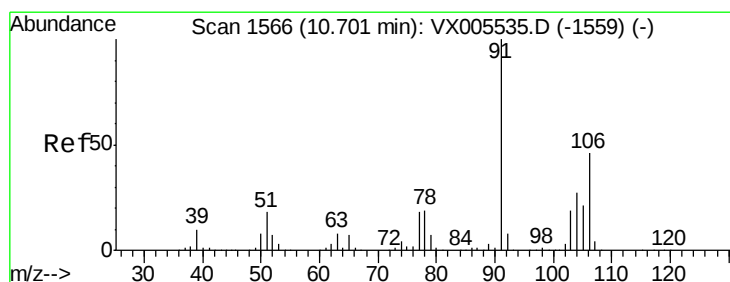
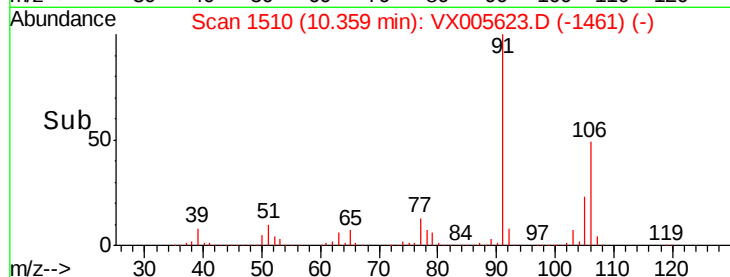
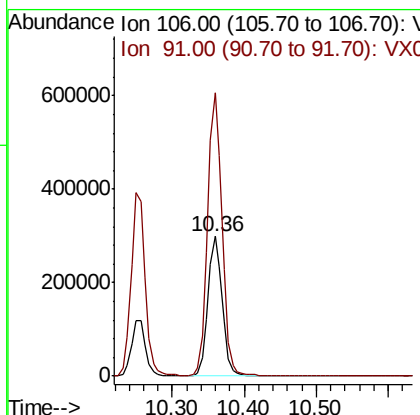
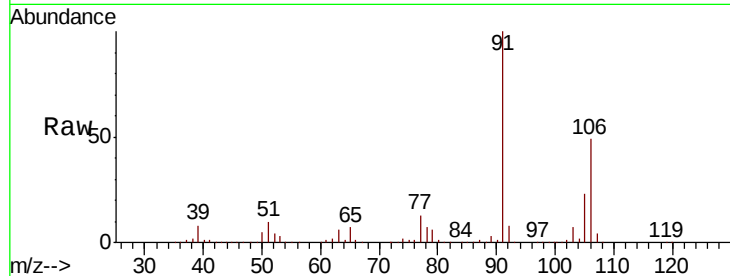
#68
m/p-Xvlenes
Concen: 100.466 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX005623.D
Acq: 26 Oct 2018 23:21

Instrument :
MSVOA_X
ClientSampleId :
DL-SW-01MSD

Tot Ion:106 Resp: 412196
Ion Ratio Lower Upper
106 100
91 205.1 164.2 246.4

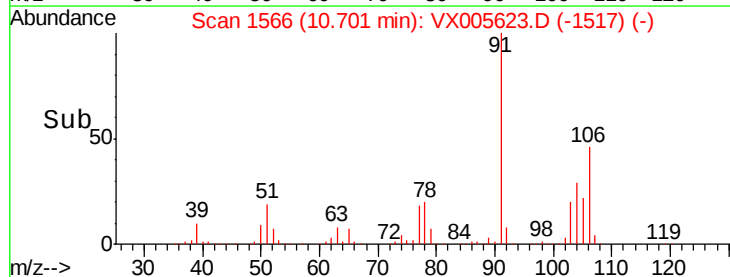
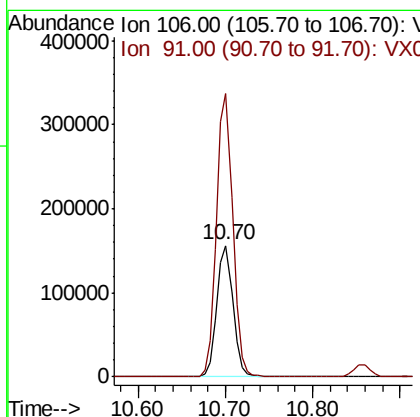
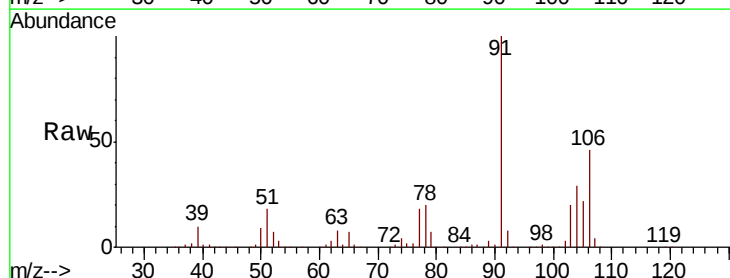
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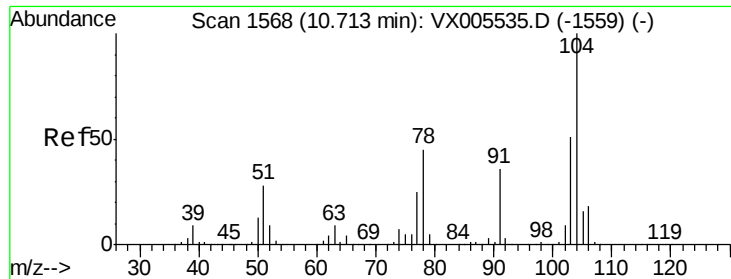
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#69
o-Xylene
Concen: 51.598 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005623.D
Acq: 26 Oct 2018 23:21

Tgt Ion:106 Resp: 199171
Ion Ratio Lower Upper
106 100
91 217.6 108.5 325.5





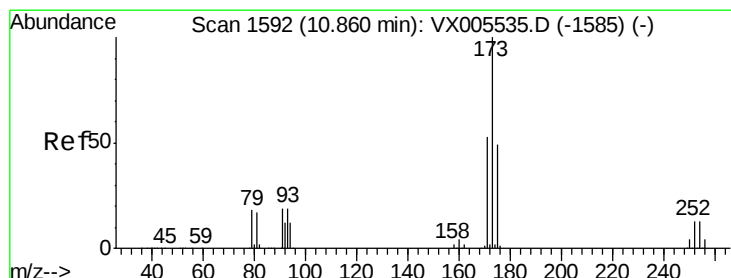
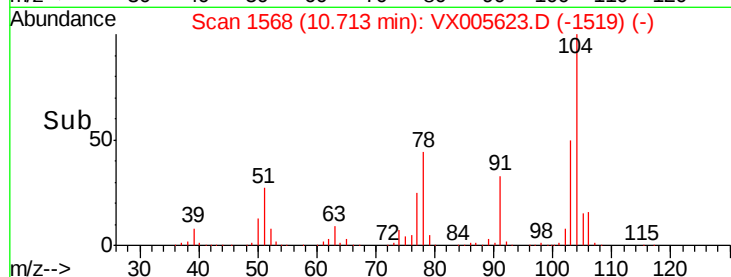
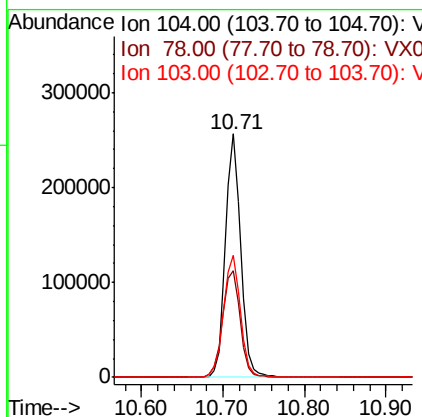
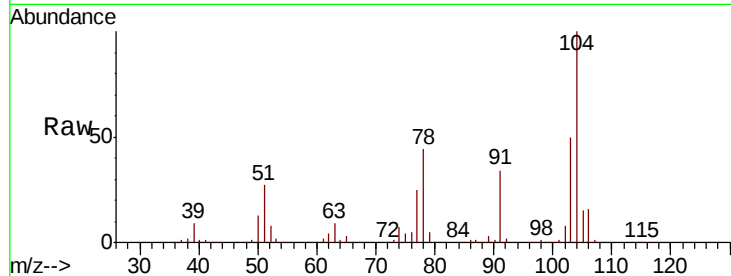
#70
Stvrene
Concen: 51.612 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005623.D
Acq: 26 Oct 2018 23:21

Instrument :
MSVOA_X
ClientSampleId :
DL-SW-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
104	100	333505		
78	50.8		40.2	60.4
103	55.5		44.9	67.3

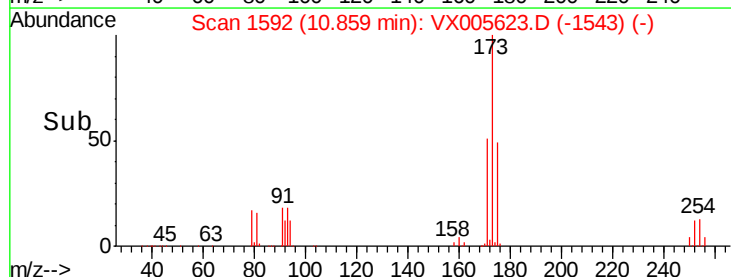
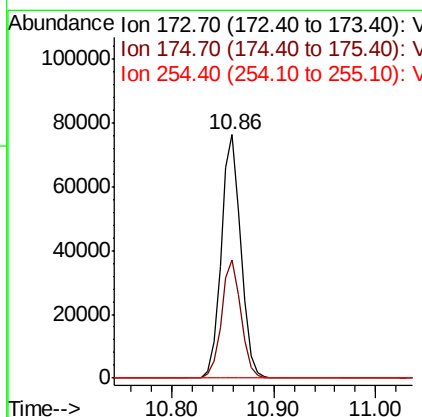
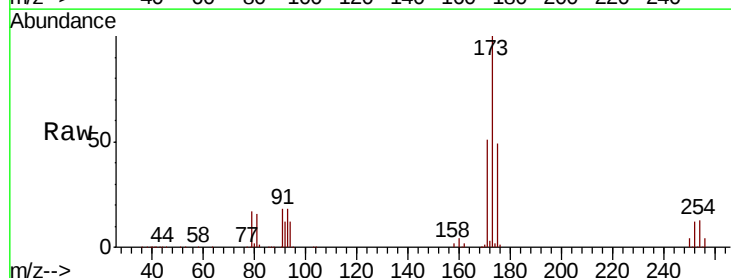
Manual Integrations
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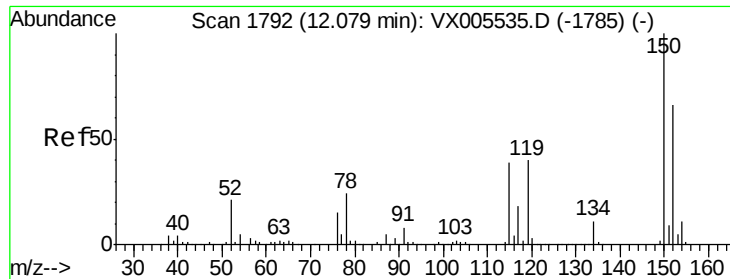
MMDadoda
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#71
Bromoform
Concen: 48.639 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX005623.D
Acq: 26 Oct 2018 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	101722		
175	48.2		24.8	74.3
254	0.2		0.2	0.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

DL-SW-01MSD

Tot Ion:152 Resp: 168718

Ion Ratio Lower Upper

152 100

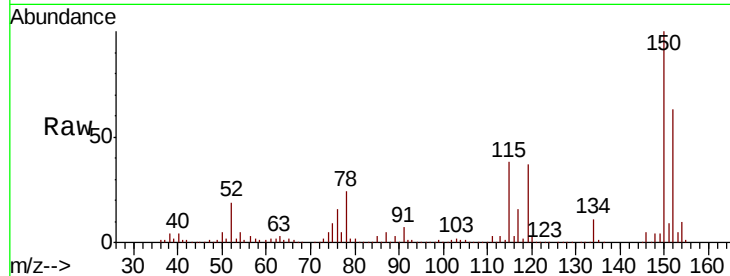
115 77.6 39.4 118.1

150 173.3 0.0 346.4

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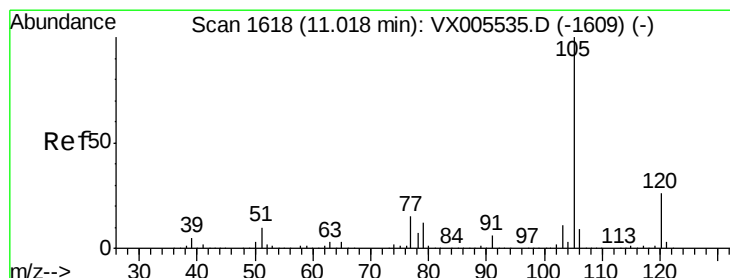
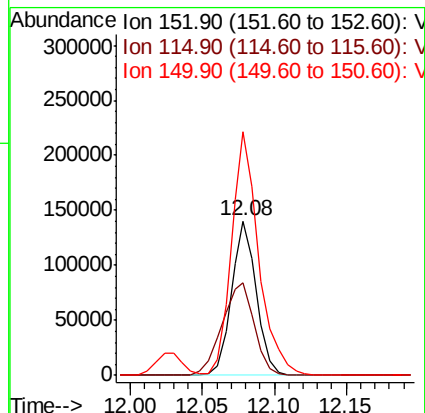
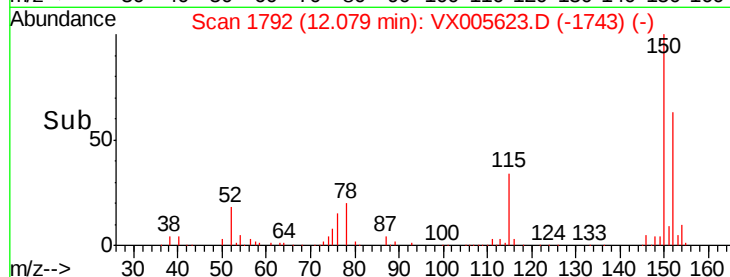
10/29/2018 12:43:45 PM



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: 52.060 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005623.D

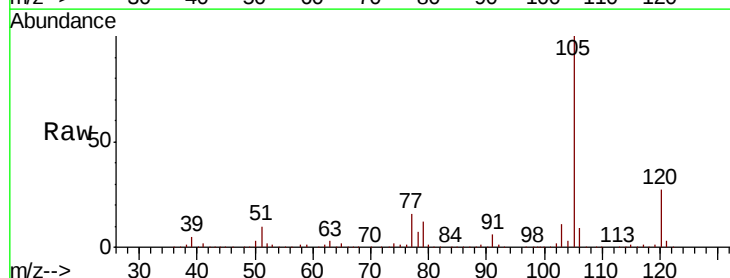
Acq: 26 Oct 2018 23:21

Tgt Ion:105 Resp: 536915

Ion Ratio Lower Upper

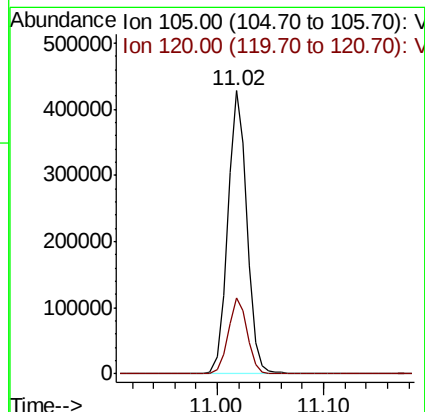
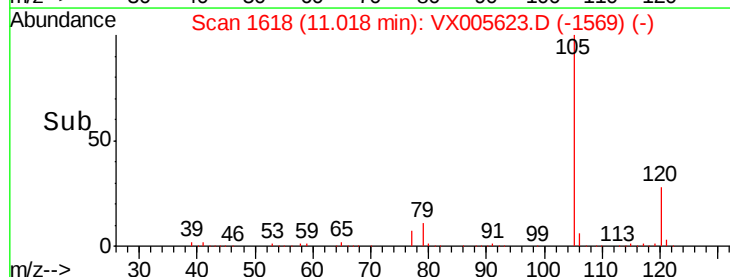
105 100

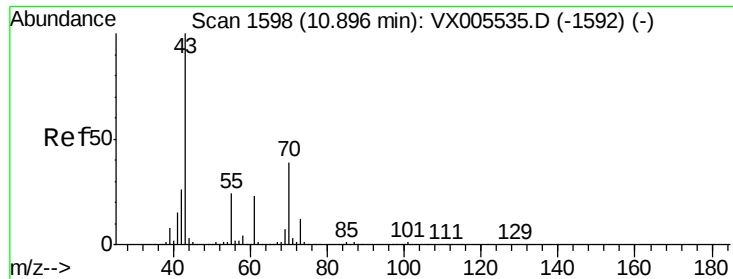
120 26.7 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 48.284 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Instrument :

MSVOA_X

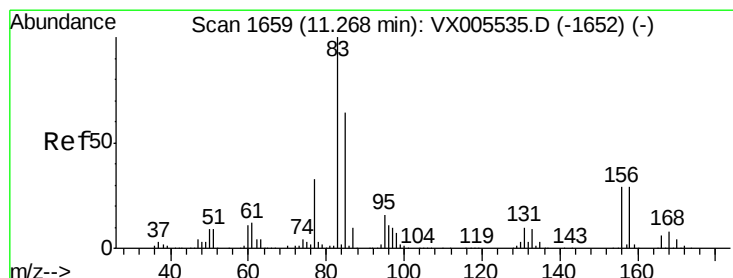
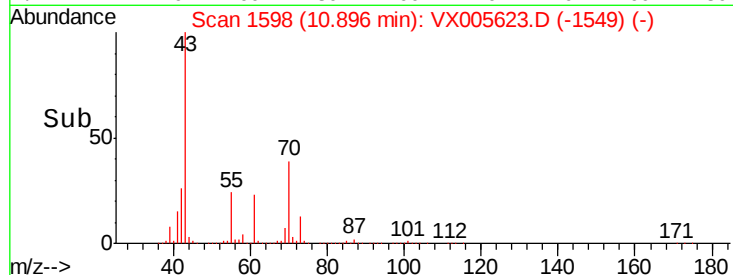
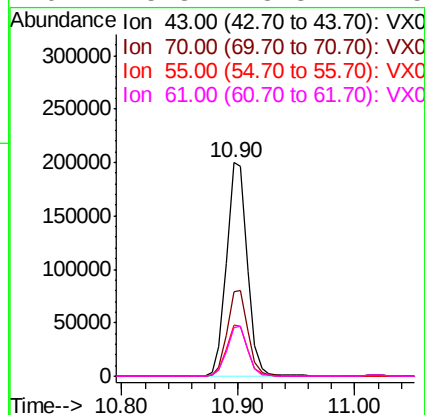
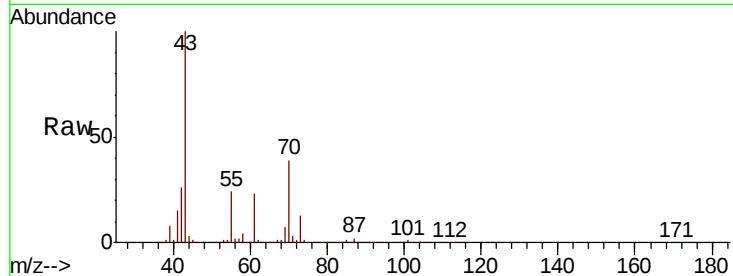
ClientSampleId :

DL-SW-01MSD

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
70	39.8	31.6	47.4	
55	24.1	19.7	29.5	
61	23.3	18.3	27.5	

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 49.095 ug/l

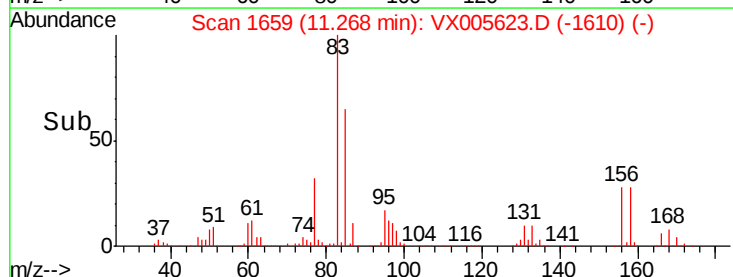
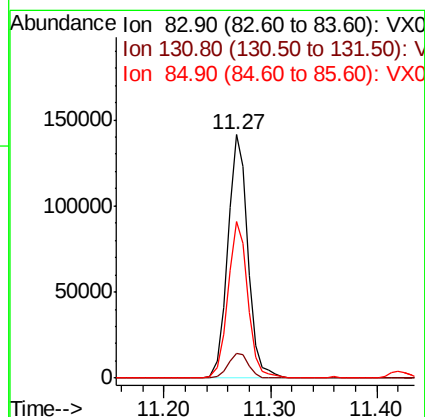
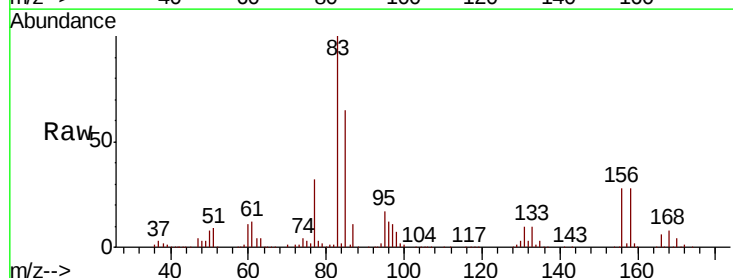
RT: 11.27 min Scan# 1659

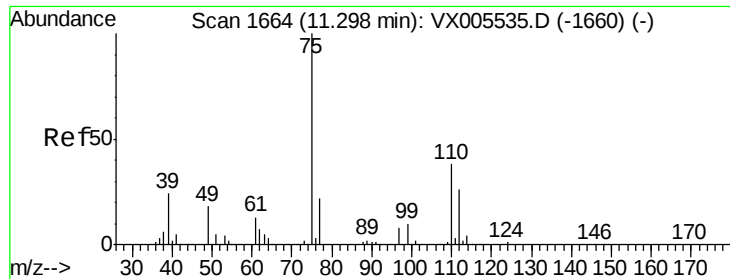
Delta R.T. -0.00 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Tgt Ion	Ion	Ratio	Lower	Upper
83	100			
131	10.5	5.3	15.9	
85	63.9	32.0	96.2	





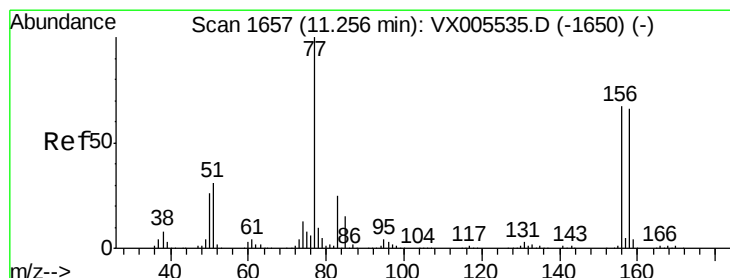
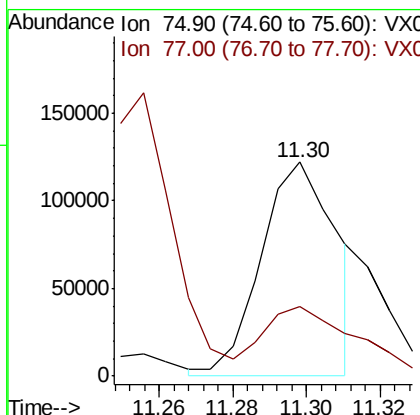
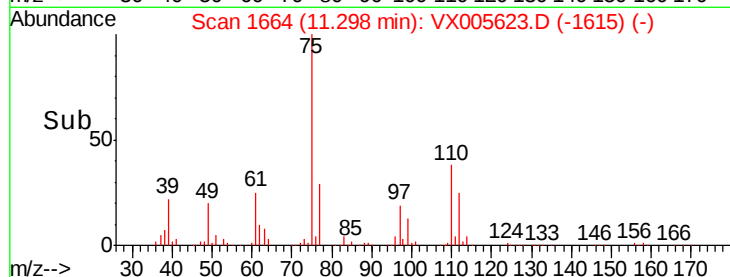
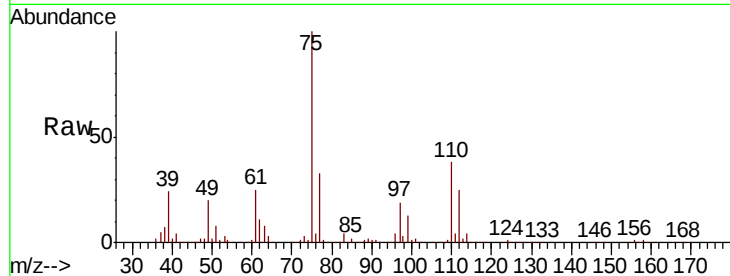
#76
 1,2,3-Trichloropropane
 Concen: 48.662 ug/l m
 RT: 11.30 min Scan# 1664
 Delta R.T. -0.00 min
 Lab File: VX005623.D
 Acq: 26 Oct 2018 23:21

Instrument :
 MSVOA_X
 ClientSampleId :
 DL-SW-01MSD

Tot Ion: 75 Resp: 173953
 Ion Ratio Lower Upper
 75 100
 77 40.0 20.5 61.6

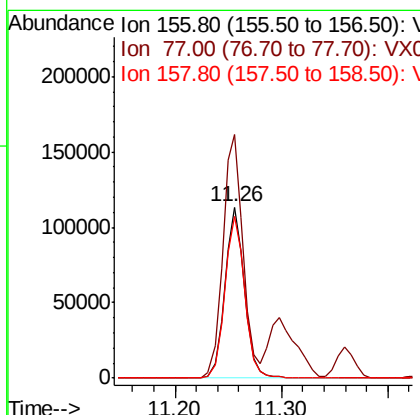
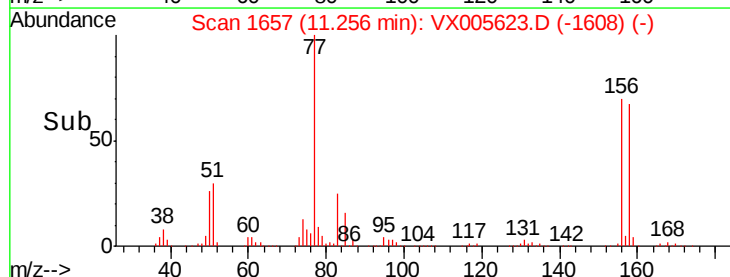
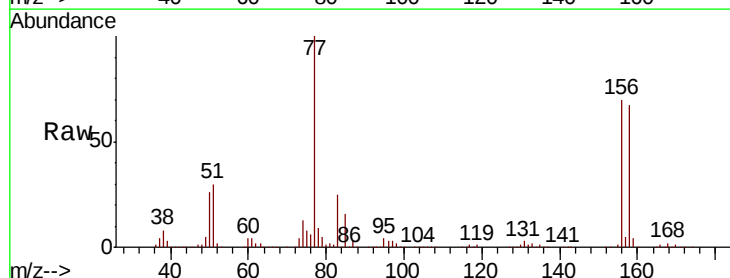
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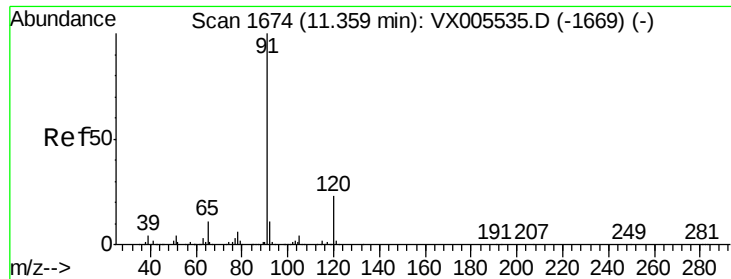
MMDadoda
 10/29/2018 12:43:45 PM



#77
 Bromobenzene
 Concen: 50.224 ug/l
 RT: 11.26 min Scan# 1657
 Delta R.T. -0.00 min
 Lab File: VX005623.D
 Acq: 26 Oct 2018 23:21

Tgt Ion: 156 Resp: 144358
 Ion Ratio Lower Upper
 156 100
 77 147.0 74.8 224.4
 158 97.0 49.1 147.3





#78

n-propylbenzene

Concen: 52.290 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

DL-SW-01MSD

Tot Ion: 91 Resp: 616661

Ion Ratio Lower Upper

91 100

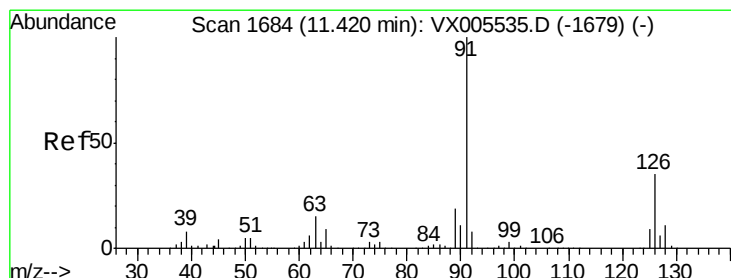
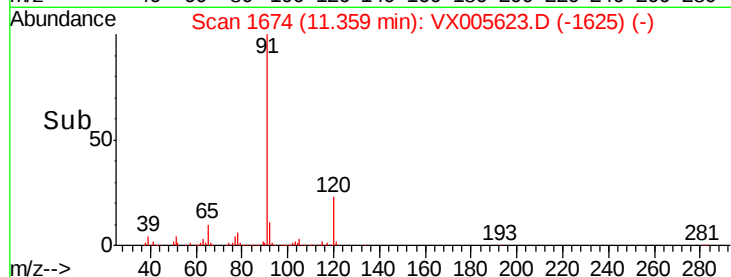
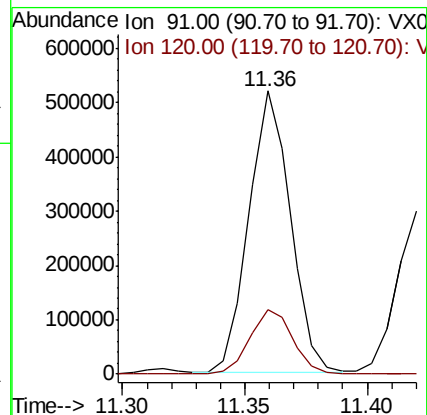
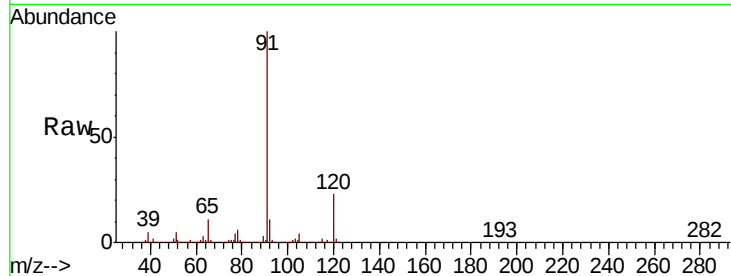
120 23.6 11.9 35.5

Manual Integrations

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#79

2-Chlorotoluene

Concen: 50.431 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005623.D

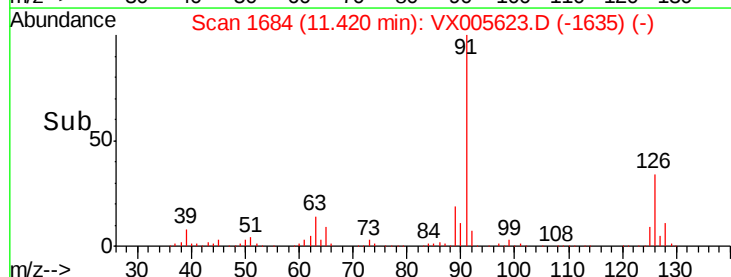
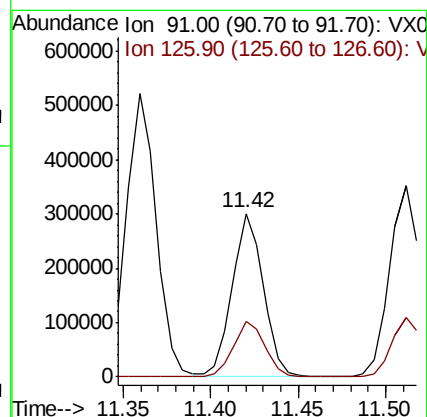
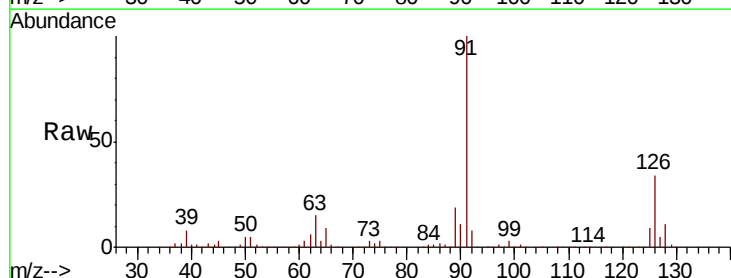
Acq: 26 Oct 2018 23:21

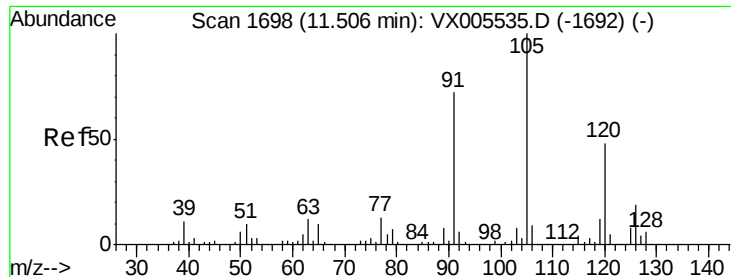
Tgt Ion: 91 Resp: 368756

Ion Ratio Lower Upper

91 100

126 34.7 17.3 52.0





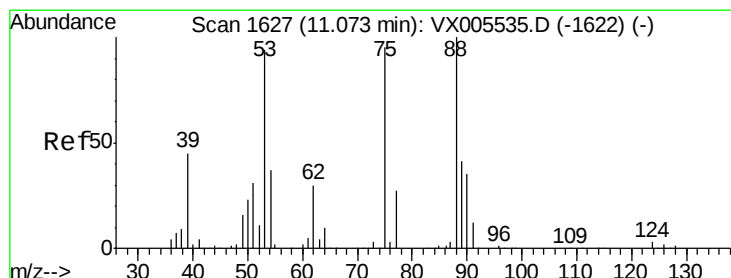
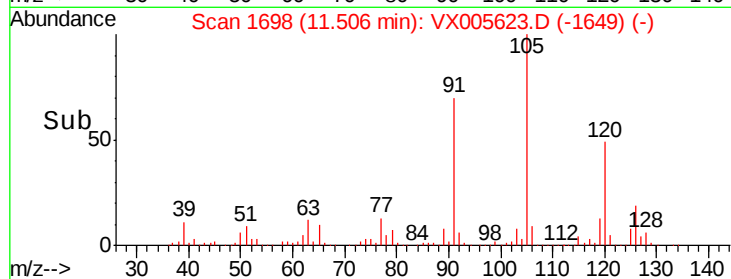
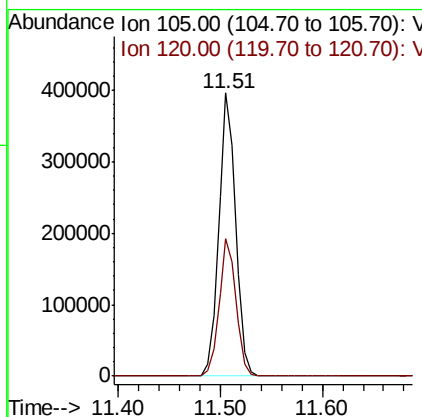
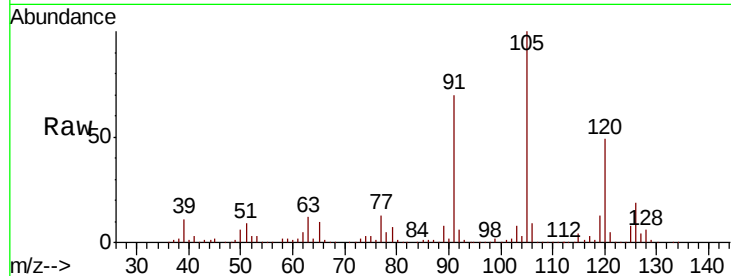
#80
 1,3,5-Trimethylbenzene
 Concen: 52.167 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX005623.D
 Acq: 26 Oct 2018 23:21

Instrument :
 MSVOA_X
 ClientSampleId :
 DL-SW-01MSD

Tot Ion: 105 Resp: 460251
 Ion Ratio Lower Upper
 105 100
 120 48.5 24.1 72.2

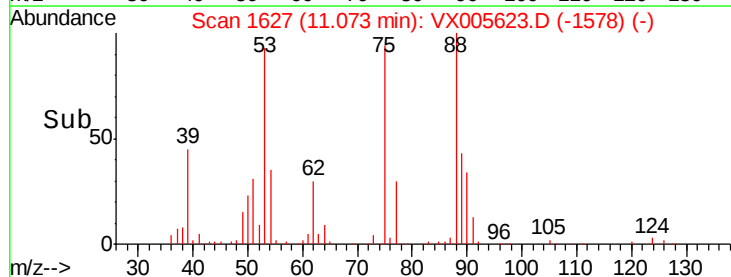
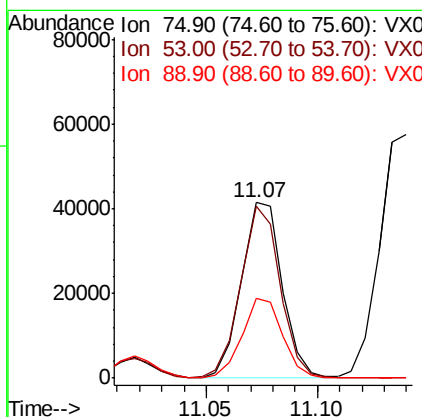
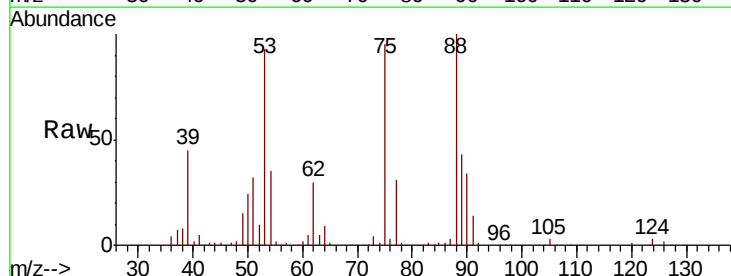
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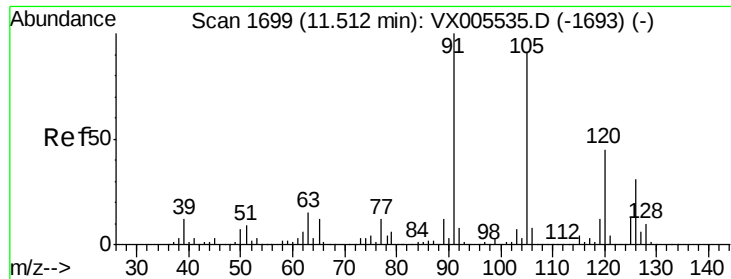
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 48.073 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VX005623.D
 Acq: 26 Oct 2018 23:21

Tgt Ion: 75 Resp: 52593
 Ion Ratio Lower Upper
 75 100
 53 95.4 80.2 120.2
 89 45.2 39.8 59.8





#82

4-Chlorotoluene

Concen: 50.446 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

DL-SW-01MSD

Tot Ion: 91 Resp: 434949

Ion Ratio Lower Upper

91 100

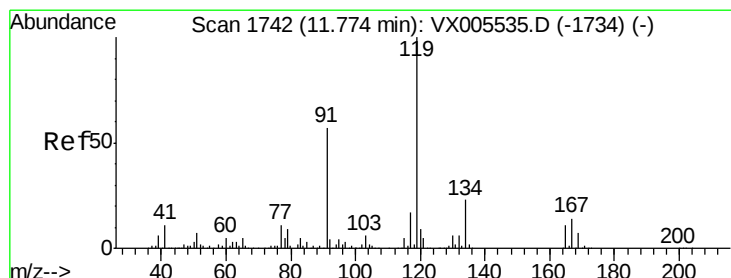
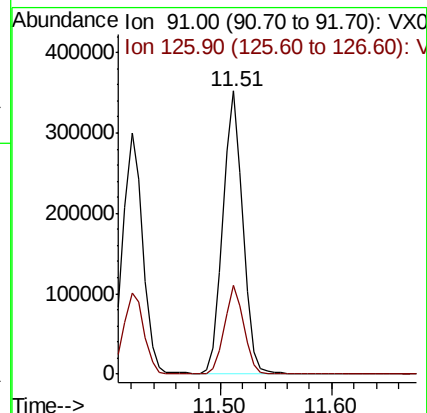
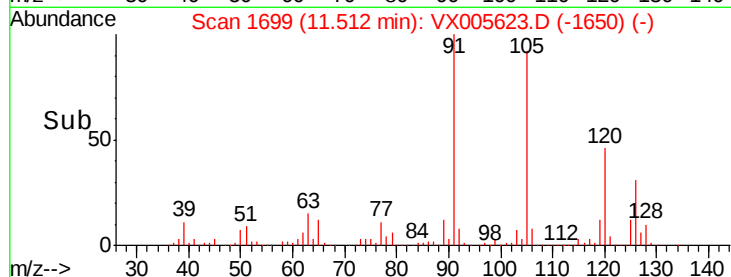
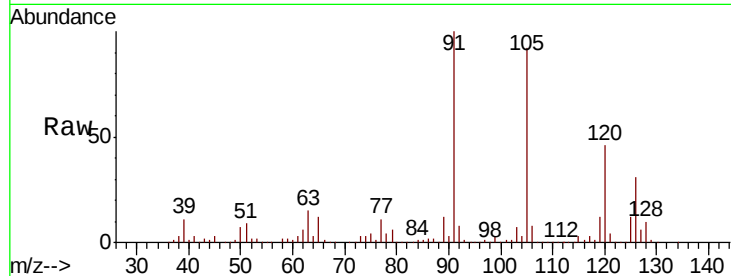
126 30.7 15.2 45.6

Manual Integrations

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#83

tert-Butylbenzene

Concen: 52.820 ug/l

RT: 11.77 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

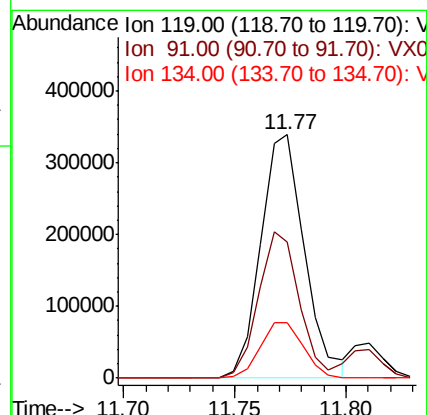
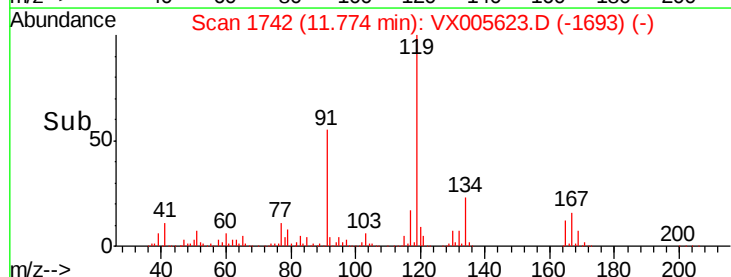
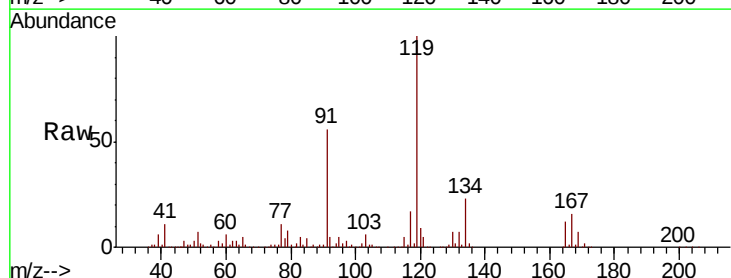
Tgt Ion: 119 Resp: 464523

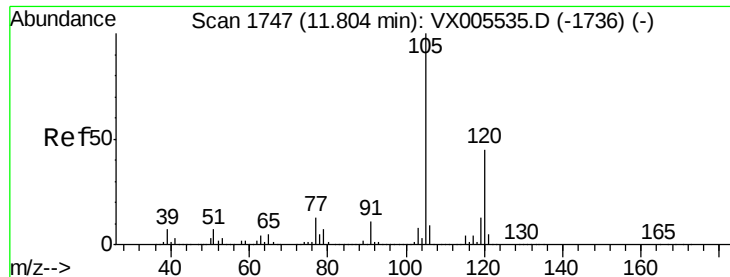
Ion Ratio Lower Upper

119 100

91 55.8 28.5 85.5

134 22.5 11.3 33.8





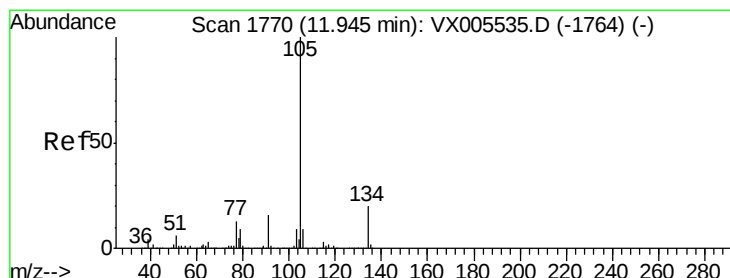
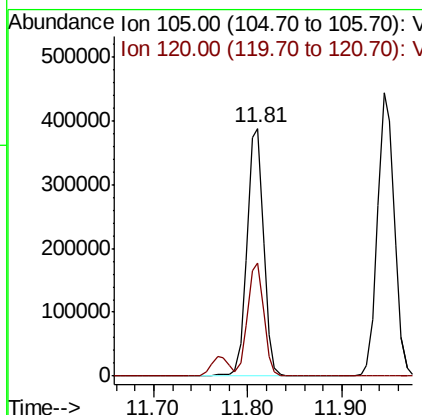
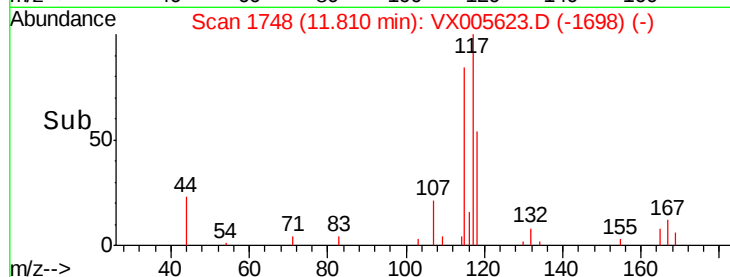
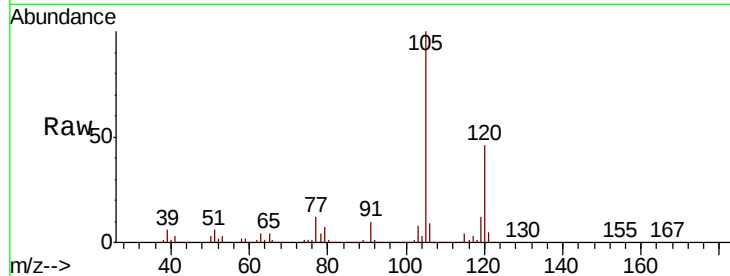
#84
 1,2,4-Trimethylbenzene
 Concen: 53.118 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.01 min
 Lab File: VX005623.D
 Acq: 26 Oct 2018 23:21

Instrument :
 MSVOA_X
 ClientSampleId :
 DL-SW-01MSD

Tot Ion:105 Resp: 474963
 Ion Ratio Lower Upper
 105 100
 120 44.7 22.4 67.0

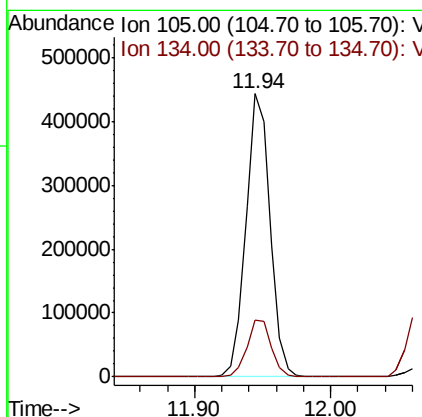
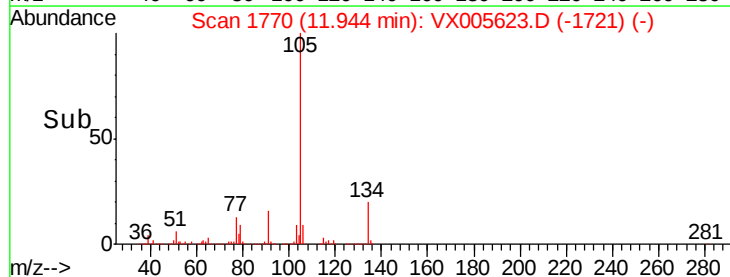
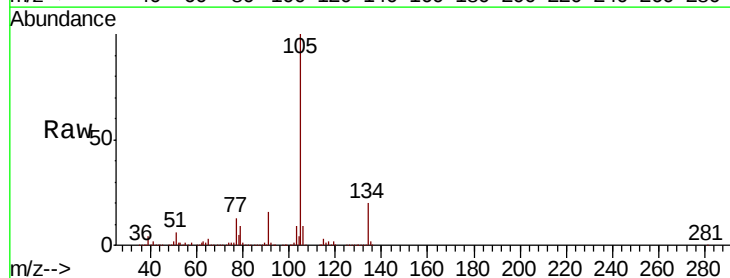
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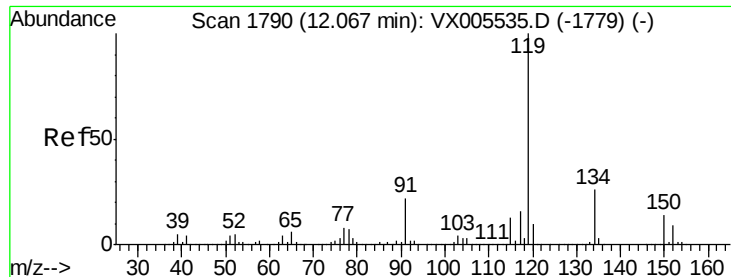
MMDadoda
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#85
 sec-Butylbenzene
 Concen: 52.317 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX005623.D
 Acq: 26 Oct 2018 23:21

Tgt Ion:105 Resp: 549010
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.2 30.4





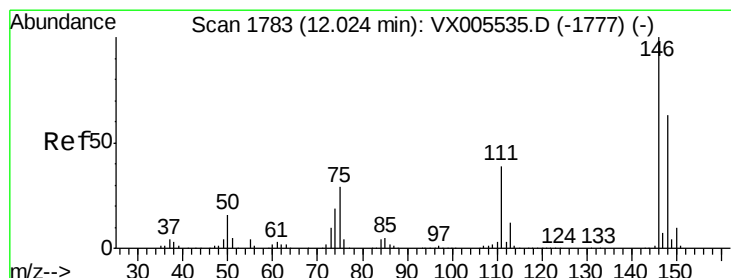
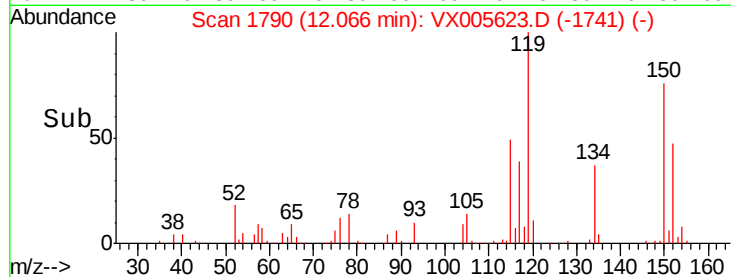
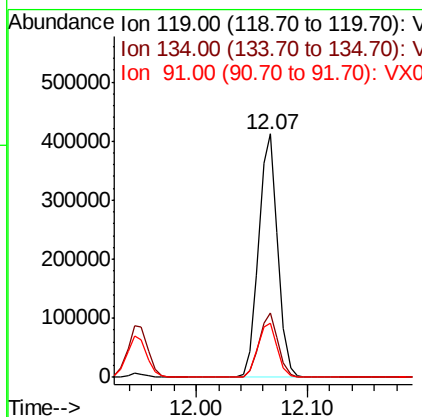
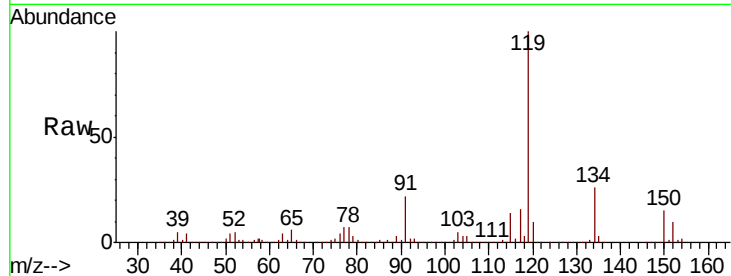
#86
 p-Isopropyltoluene
 Concen: 52.590 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX005623.D
 Acq: 26 Oct 2018 23:21

Instrument :
 MSVOA_X
 ClientSampleId :
 DL-SW-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	493350		
134	26.4	13.0	39.0	
91	22.8	11.4	34.2	

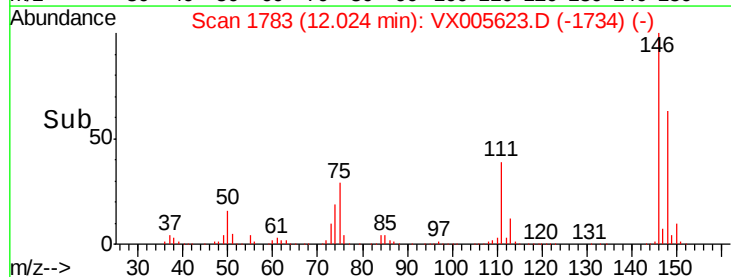
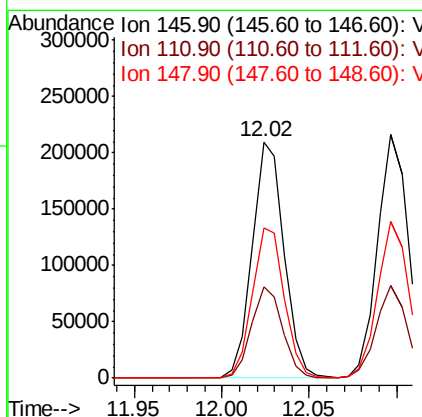
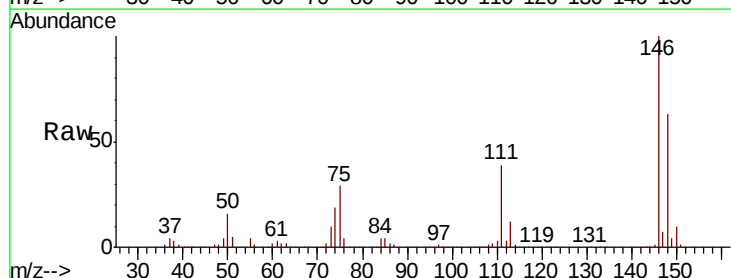
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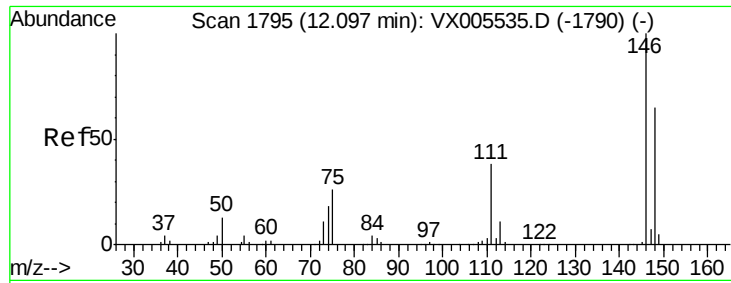
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#87
 1,3-Dichlorobenzene
 Concen: 49.117 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005623.D
 Acq: 26 Oct 2018 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	265473		
111	38.2	19.0	57.0	
148	64.0	31.9	95.9	





#88

1,4-Dichlorobenzene

Concen: 47.146 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Instrument :

MSVOA_X

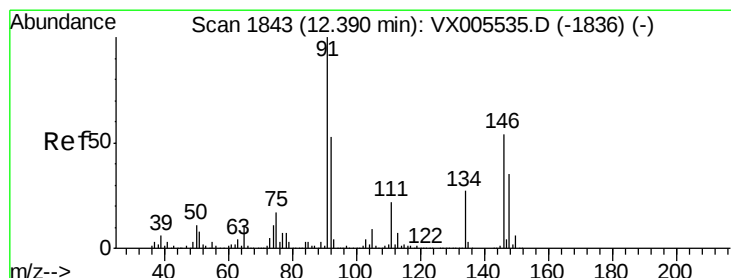
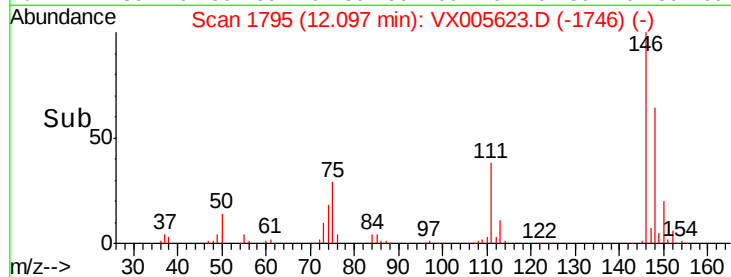
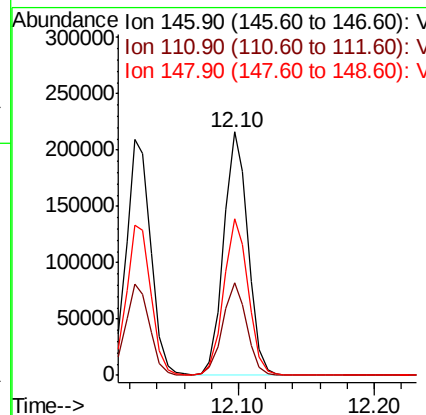
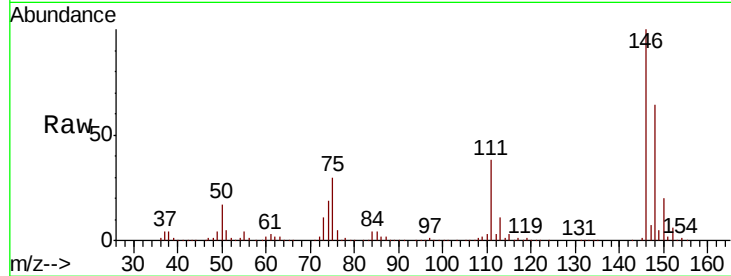
ClientSampleId :

DL-SW-01MSD

Tot Ion:	146	Resp:	265992
Ion Ratio	Lower	Upper	
146	100		
111	38.0	18.6	55.8
148	64.8	32.1	96.3

Manual Integrations
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#89

n-Butylbenzene

Concen: 50.607 ug/l

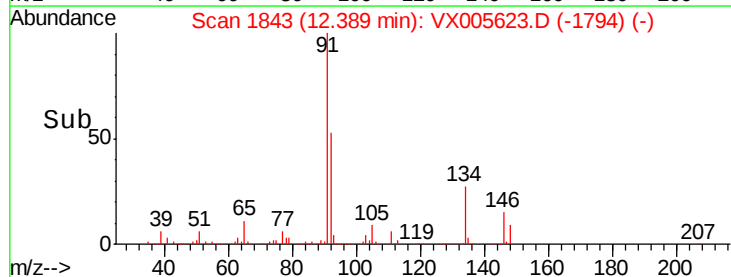
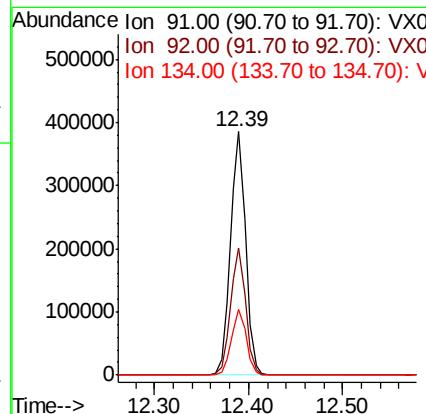
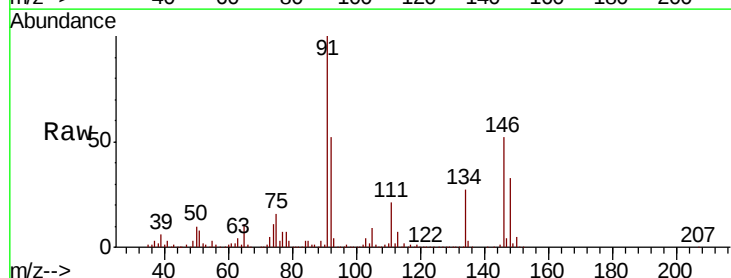
RT: 12.39 min Scan# 1843

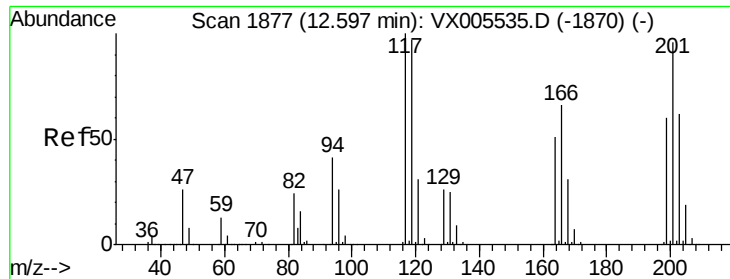
Delta R.T. -0.00 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Tgt Ion:	91	Resp:	428587
Ion Ratio	Lower	Upper	
91	100		
92	52.1	26.1	78.2
134	26.6	13.1	39.3





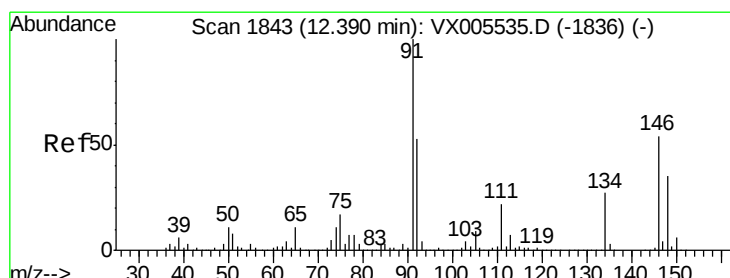
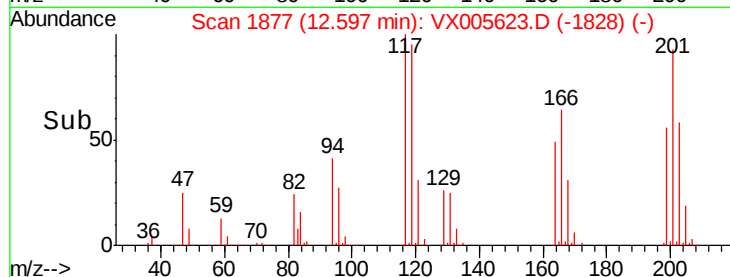
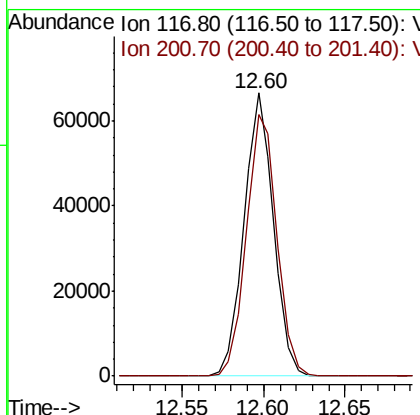
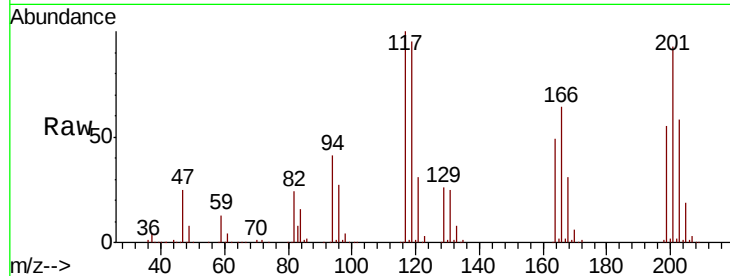
#90
Hexachloroethane
Concen: 51.520 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005623.D
Acq: 26 Oct 2018 23:21

Instrument :
MSVOA_X
ClientSampleId :
DL-SW-01MSD

Tot Ion:117 Resp: 83357
Ion Ratio Lower Upper
117 100
201 96.0 47.9 143.6

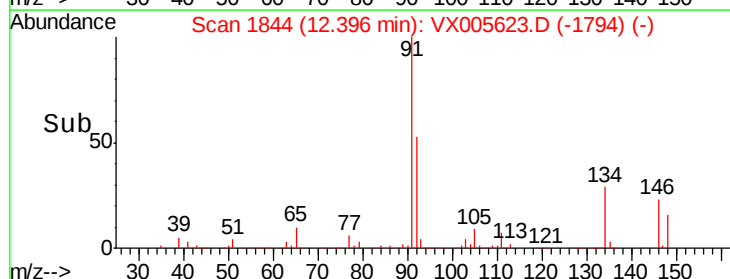
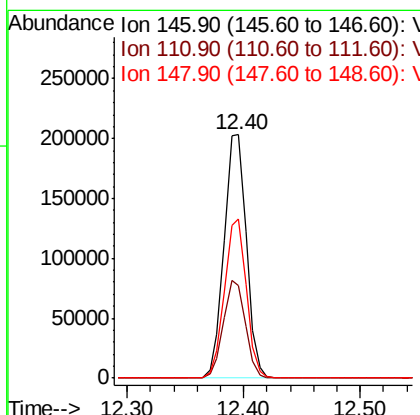
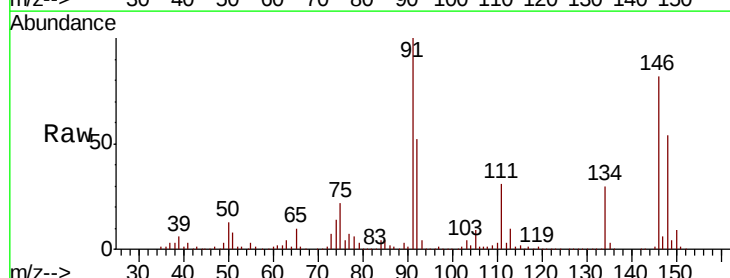
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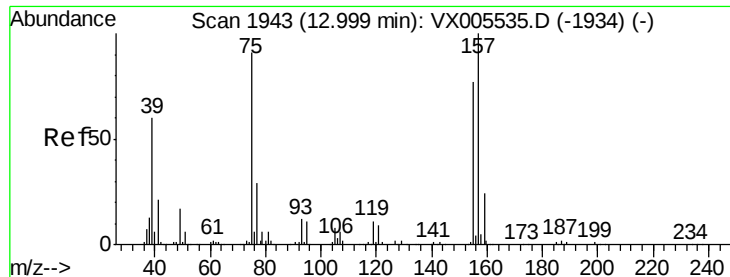
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#91
1,2-Dichlorobenzene
Concen: 49.389 ug/l
RT: 12.40 min Scan# 1844
Delta R.T. 0.01 min
Lab File: VX005623.D
Acq: 26 Oct 2018 23:21

Tgt Ion:146 Resp: 270078
Ion Ratio Lower Upper
146 100
111 39.5 20.0 59.9
148 63.9 32.2 96.6





#92

1,2-Dibromo-3-Chloropropane

Concen: 49.229 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Instrument :

MSVOA_X

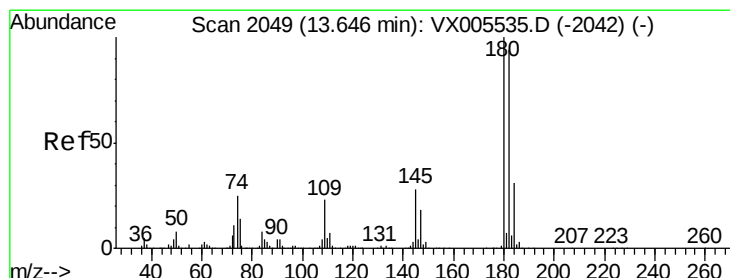
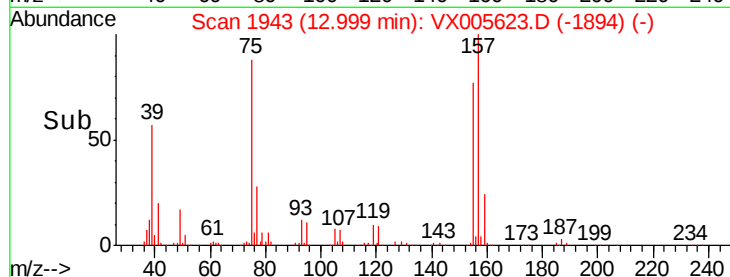
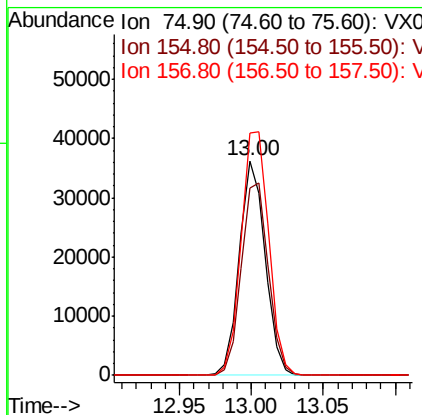
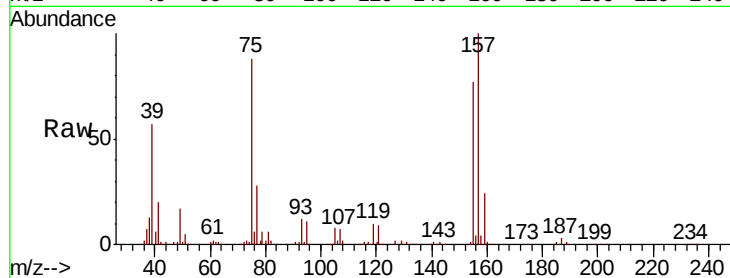
ClientSampleId :

DL-SW-01MSD

Tot Ion:	75	Resp:	45291
Ion	Ratio	Lower	Upper
75	100		
155	93.6	45.4	136.1
157	120.9	57.4	172.0

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#93

1,2,4-Trichlorobenzene

Concen: 50.981 ug/l

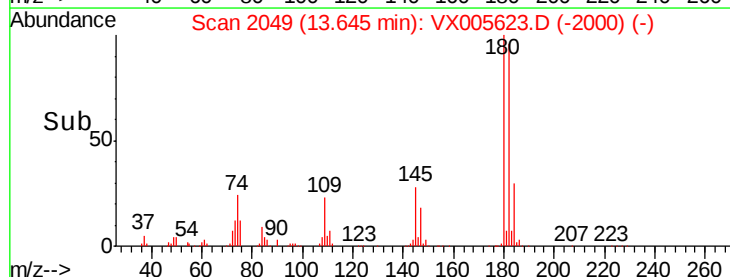
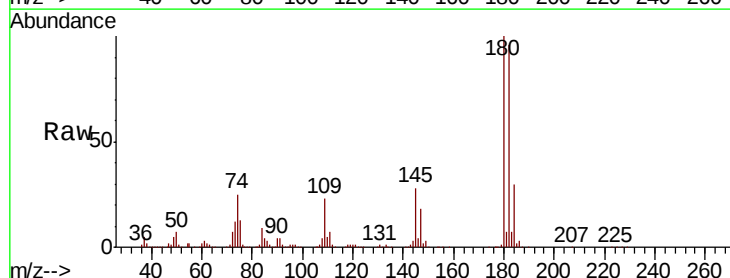
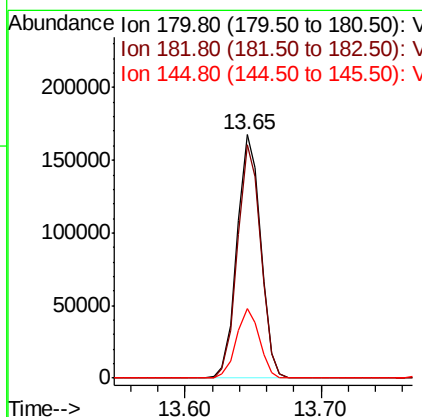
RT: 13.65 min Scan# 2049

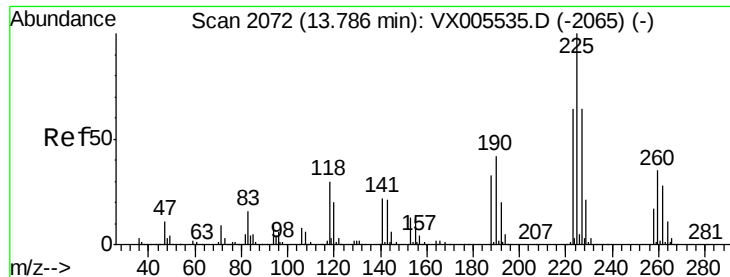
Delta R.T. -0.00 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Tgt Ion:	180	Resp:	202091
Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.6	142.8
145	28.0	14.1	42.2





#94

Hexachlorobutadiene

Concen: 45.507 ug/l

RT: 13.79 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Instrument :

MSVOA_X

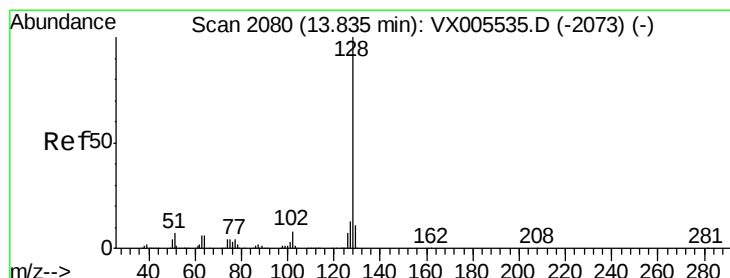
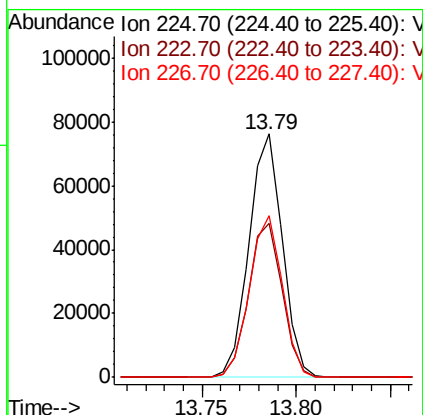
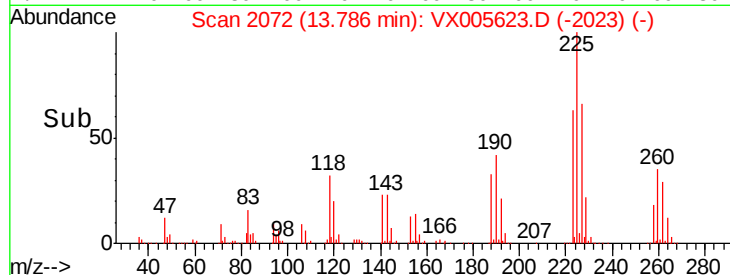
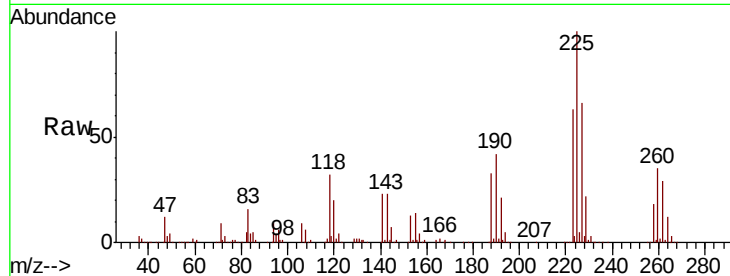
ClientSampleId :

DL-SW-01MSD

Tot Ion:	225	Resp:	93482
Ion Ratio	Lower	Upper	
225	100		
223	64.2	31.7	95.1
227	65.6	32.3	96.9

Manual Integrations
APPROVED

MMDadoda
10/29/2018 12:43:45 PM



#95

Naphthalene

Concen: 54.816 ug/l

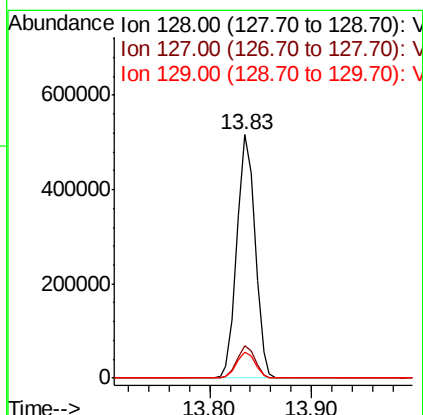
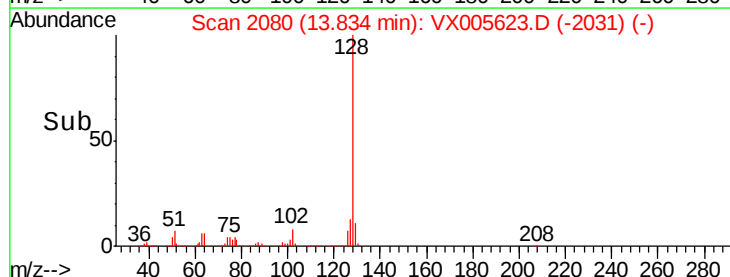
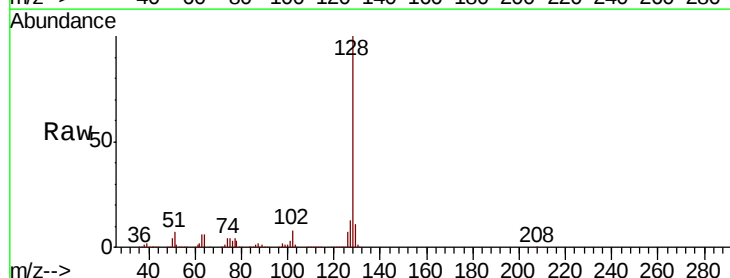
RT: 13.83 min Scan# 2080

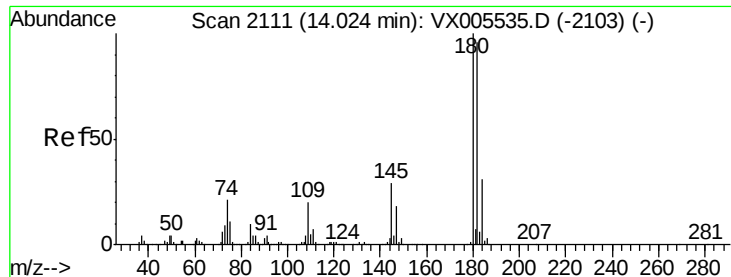
Delta R.T. -0.00 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Tgt Ion:	128	Resp:	631618
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	10.9	8.7	13.1





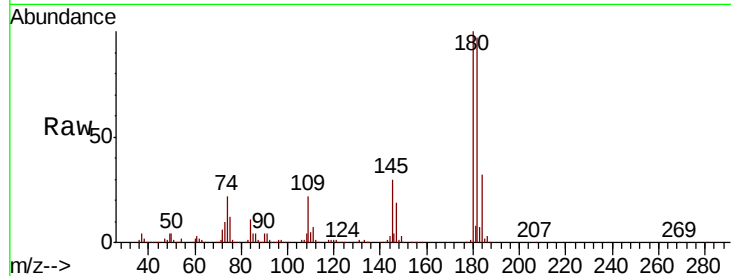
#96
 1,2,3-Trichlorobenzene
 Concen: 50.964 ug/l
 RT: 14.02 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VX005623.D
 Acq: 26 Oct 2018 23:21

Instrument :
 MSVOA_X
 ClientSampleId :
 DL-SW-01MSD

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	96.6	48.0	144.2
145	30.1	15.1	45.3

Manual Integrations
 APPROVED

MMDadoda
 10/29/2018 12:43:45 PM



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

