

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100118\
 Data File : VX004882.D
 Acq On : 01 Oct 2018 20:23
 Operator : JC/MD
 Sample : J5135-03MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW502-0913MSD

Manual Integrations
 APPROVED

MMDadoda
 10/4/2018 7:07:53 PM

Quant Time: Oct 02 05:05:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 14:17:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	219176	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	330101	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	316007	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	195795	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	162584	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	
35) Dibromofluoromethane	5.51	113	132418	47.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.66%	
50) Toluene-d8	8.72	98	498936	53.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.28%	
62) 4-Bromofluorobenzene	11.14	95	185964	55.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	167453	56.034	ug/l	97
3) Chloromethane	1.32	50	185772	51.238	ug/l	100
4) Vinyl Chloride	1.40	62	184790	54.342	ug/l	99
5) Bromomethane	1.64	94	142755	70.795	ug/l	98
6) Chloroethane	1.71	64	107740	58.535	ug/l	98
7) Trichlorofluoromethane	1.92	101	235782	56.008	ug/l	95
8) Diethyl Ether	2.19	74	96035	52.511	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.38	101	129245	53.897	ug/l	98
10) Methyl Iodide	2.51	142	137137	42.736	ug/l	98
11) Tert butyl alcohol	3.09	59	242692	277.224	ug/l	99
12) 1,1-Dichloroethene	2.37	96	126361	53.208	ug/l	96
13) Acrolein	2.29	56	108655	174.442	ug/l	98
14) Allyl chloride	2.72	41	284288	54.864	ug/l	94
15) Acrylonitrile	3.15	53	531426	275.754	ug/l	99
16) Acetone	2.45	43	469157	256.665	ug/l	96
17) Carbon Disulfide	2.56	76	365599	51.232	ug/l	99
18) Methyl Acetate	2.78	43	264724	57.161	ug/l	92
19) Methyl tert-butyl Ether	3.20	73	466231	56.915	ug/l	97
20) Methylene Chloride	2.85	84	148079	55.815	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	136190	52.387	ug/l	97
22) Diisopropyl ether	3.87	45	477497	54.724	ug/l	96
23) Vinyl Acetate	3.82	43	2016960	252.530	ug/l	96
24) 1,1-Dichloroethane	3.69	63	261761	50.291	ug/l	98
25) 2-Butanone	4.71	43	715661	265.613	ug/l	93
26) 2,2-Dichloropropane	4.58	77	170525	47.048	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	148365	51.086	ug/l	96
28) Bromochloromethane	5.02	49	122715	50.066	ug/l	90
29) Tetrahydrofuran	5.16	42	468537	279.782	ug/l	92
30) Chloroform	5.21	83	252993	51.430	ug/l	99
31) Cyclohexane	5.57	56	222057	55.742	ug/l	92
32) 1,1,1-Trichloroethane	5.49	97	215214	53.571	ug/l	99
36) 1,1-Dichloropropene	5.79	75	186542	48.871	ug/l	100
37) Ethyl Acetate	4.86	43	238007	46.974	ug/l	98
38) Carbon Tetrachloride	5.78	117	189499	47.229	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	212318	54.474	ug/l	95
40) Benzene	6.14	78	569034	47.618	ug/l	99
41) Methacrylonitrile	5.06	41	141648	50.410	ug/l	96
42) 1,2-Dichloroethane	6.20	62	203312	48.128	ug/l	97
43) Isopropyl Acetate	6.46	43	360844	49.342	ug/l	96
44) Trichloroethene	7.21	130	149520	50.898	ug/l	91
45) 1,2-Dichloropropane	7.52	63	154240	52.633	ug/l	100
46) Dibromomethane	7.66	93	99125	53.822	ug/l	98
47) Bromodichloromethane	7.90	83	190929	55.371	ug/l	99
48) Methyl methacrylate	7.78	41	197454	59.487	ug/l	94
49) 1,4-Dioxane	7.76	88	92563	1122.463	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	1344139	291.909	ug/l	95
52) Toluene	8.79	92	354509	53.989	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	210899	54.124	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	222834	54.598	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	147734	51.363	ug/l	97
56) Ethyl methacrylate	9.18	69	235115	50.353	ug/l	94
57) 1,3-Dichloropropane	9.37	76	247561	51.715	ug/l	99
59) 2-Hexanone	9.50	43	1073676	279.812	ug/l	94
60) Dibromochloromethane	9.59	129	154914	53.855	ug/l	100
61) 1,2-Dibromoethane	9.67	107	153684	49.892	ug/l	99
64) Tetrachloroethene	9.34	164	141224	45.407	ug/l	98
65) Chlorobenzene	10.14	112	399273	49.273	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	143507	50.375	ug/l	100
67) Ethyl Benzene	10.26	91	676384	52.575	ug/l	98
68) m/p-Xylenes	10.36	106	528780	105.182	ug/l	95
69) o-Xylene	10.70	106	254104	55.030	ug/l	96
70) Stvrene	10.71	104	430579	49.864	ug/l	97
71) Bromoform	10.86	173	127703	52.361	ug/l	99
73) Isopropylbenzene	11.02	105	680606	55.149	ug/l	99
74) N-amyl acetate	10.90	43	316998	46.847	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.27	83	249827	49.730	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	227139m	51.758	ug/l	
77) Bromobenzene	11.26	156	183522	51.197	ug/l	97
78) n-propylbenzene	11.36	91	784079	55.372	ug/l	99
79) 2-Chlorotoluene	11.42	91	469352	53.177	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	579228	51.213	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	70404	44.003	ug/l	99
82) 4-Chlorotoluene	11.51	91	556569	53.574	ug/l	99
83) tert-Butylbenzene	11.77	119	575722	56.660	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	598638	51.325	ug/l	98
85) sec-Butylbenzene	11.94	105	683368	55.216	ug/l	98
86) p-Isopropyltoluene	12.07	119	614920	54.840	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	338631	50.591	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	344311	49.831	ug/l	99
89) n-Butylbenzene	12.39	91	542470	53.269	ug/l	98
90) Hexachloroethane	12.60	117	99161	53.114	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	343223	49.067	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	59480	53.923	ug/l	96
93) 1,2,4-Trichlorobenzene	13.65	180	253795	51.722	ug/l	99

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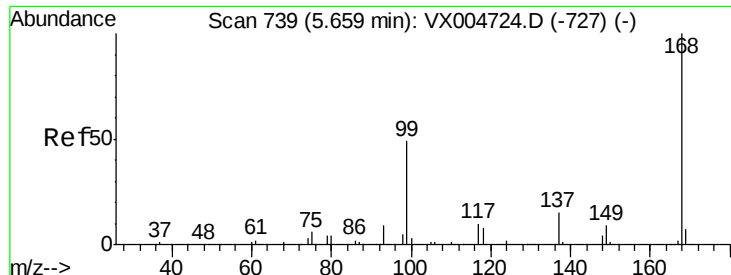
Manual Integrations
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QLast Update : Wed Sep 26 14:17:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	120556	47.379	ug/l	97
95) Naphthalene	13.83	128	836289	51.330	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	265115	52.303	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Instrument :

MSVOA_X

ClientSampleId :

SA-TW502-0913MSD

Tot Ion:168 Resp: 219176

Ion Ratio Lower Upper

168 100

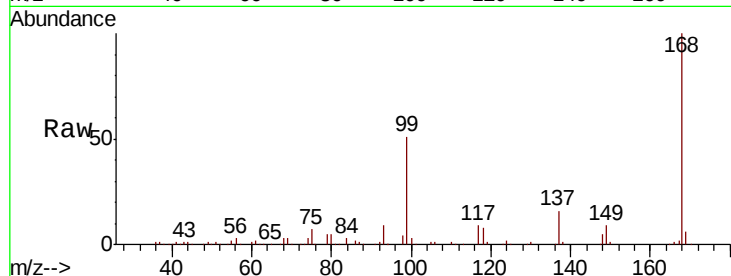
99 51.2 39.9 59.9

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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

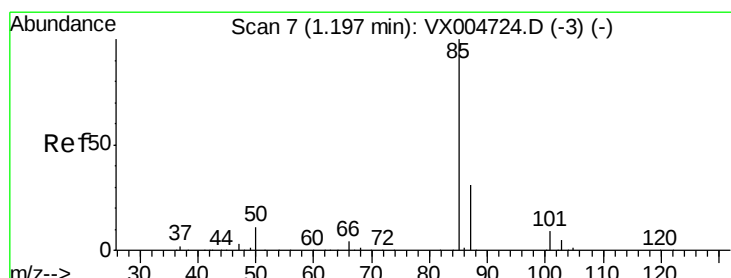
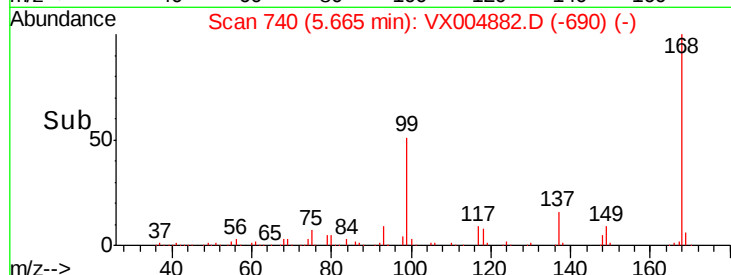
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 56.034 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX004882.D

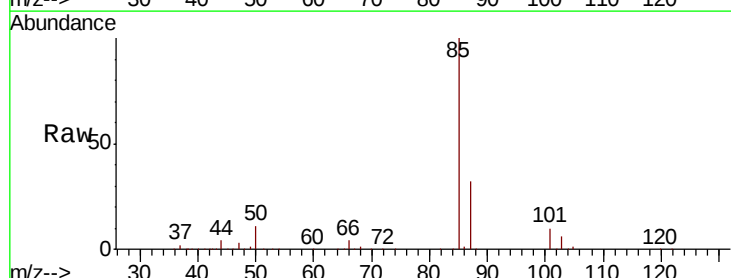
Acq: 01 Oct 2018 20:23

Tgt Ion: 85 Resp: 167453

Ion Ratio Lower Upper

85 100

87 32.1 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

150000

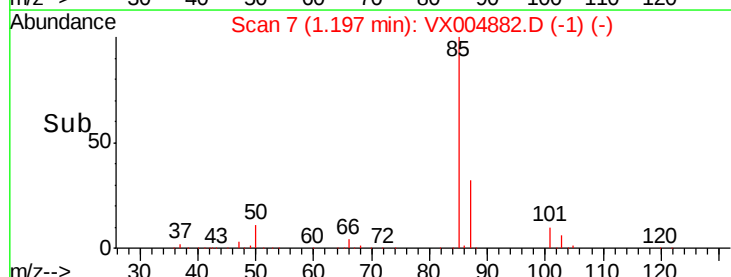
100000

50000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 51.238 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Instrument :

MSVOA_X

ClientSampleId :

SA-TW502-0913MSD

Tot Ion: 50 Resp: 185772

Ion Ratio Lower Upper

50 100

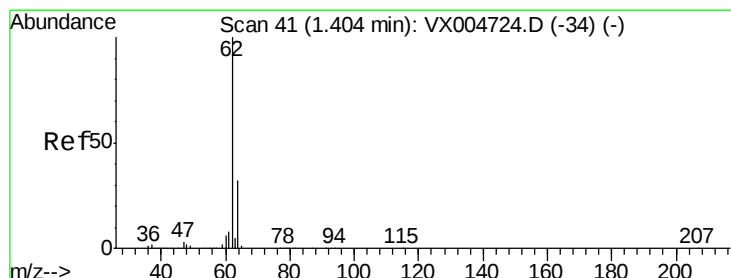
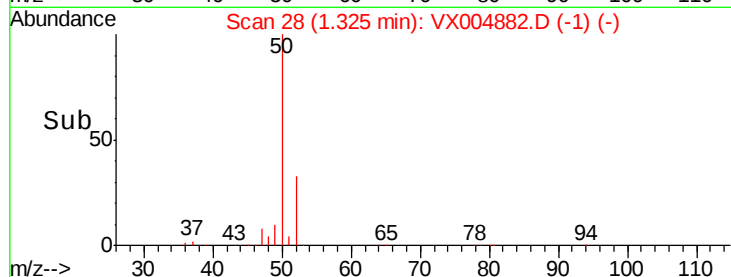
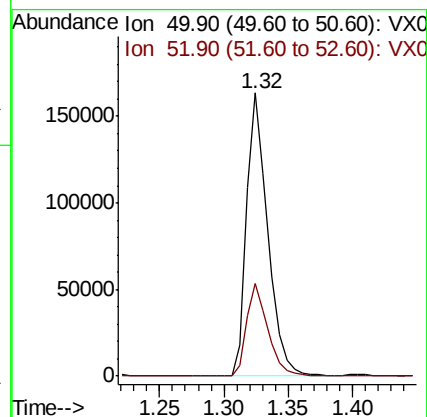
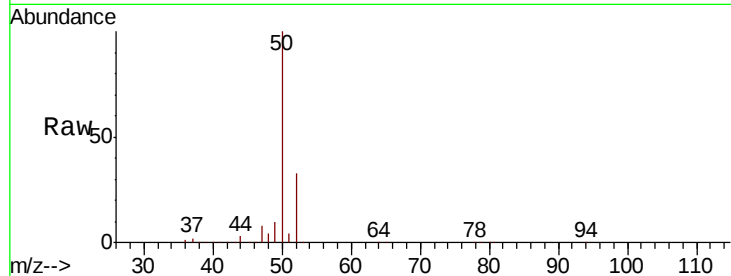
52 32.8 26.2 39.2

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#4

Vinyl Chloride

Concen: 54.342 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX004882.D

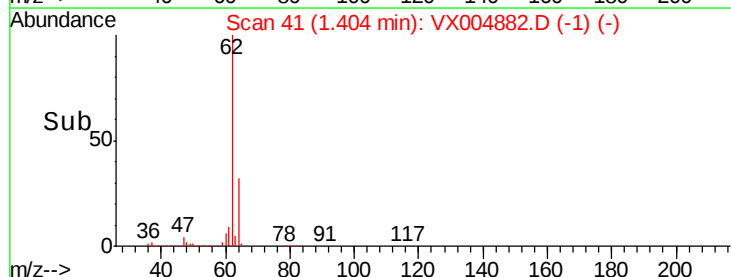
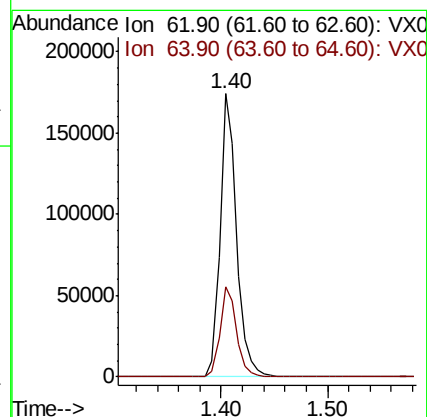
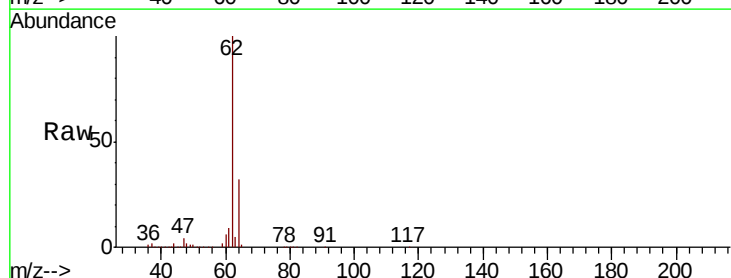
Acq: 01 Oct 2018 20:23

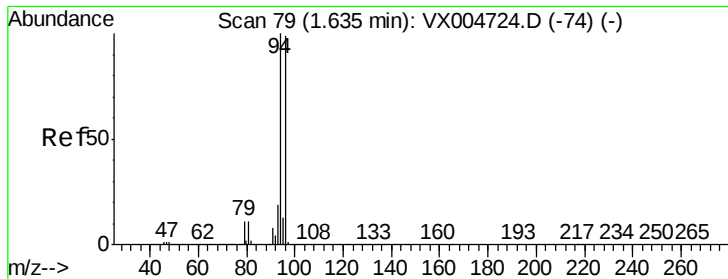
Tgt Ion: 62 Resp: 184790

Ion Ratio Lower Upper

62 100

64 31.6 25.8 38.8





#5

Bromomethane

Concen: 70.795 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Instrument :

MSVOA_X

ClientSampleId :

SA-TW502-0913MSD

Tot Ion: 94 Resp: 142755

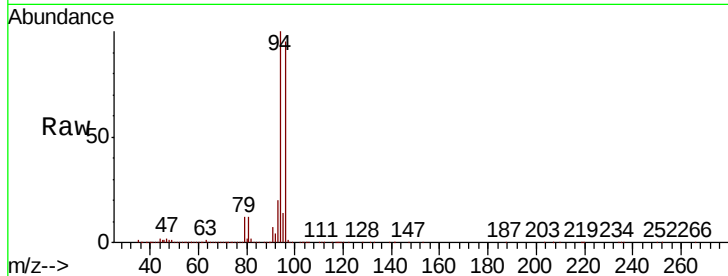
Ion Ratio Lower Upper

94 100

96 94.7 74.5 111.7

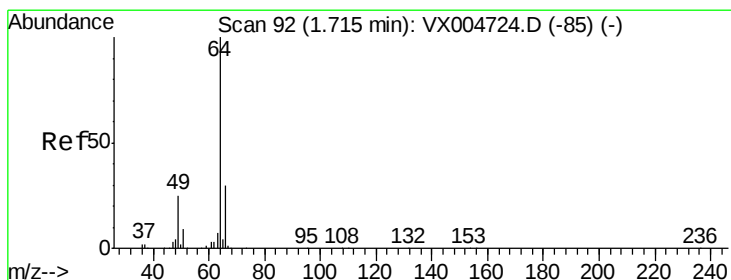
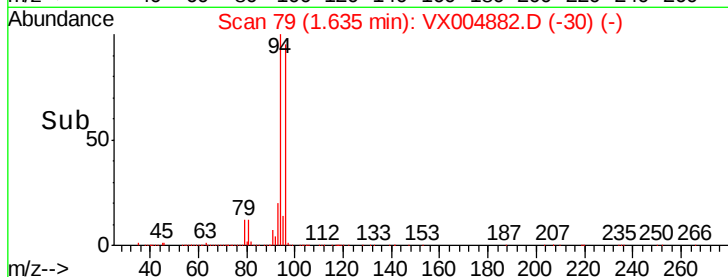
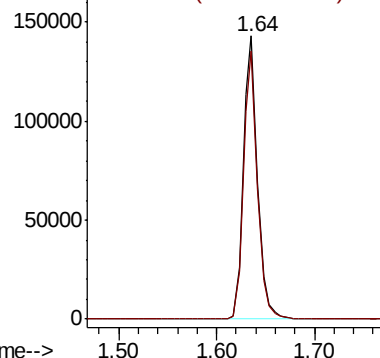
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 58.535 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX004882.D

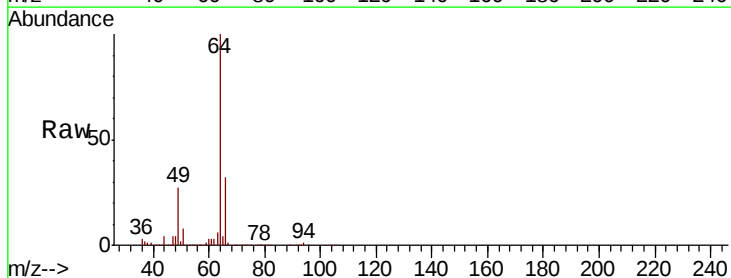
Acq: 01 Oct 2018 20:23

Tgt Ion: 64 Resp: 107740

Ion Ratio Lower Upper

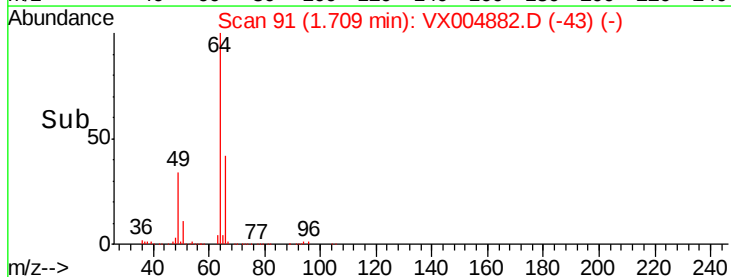
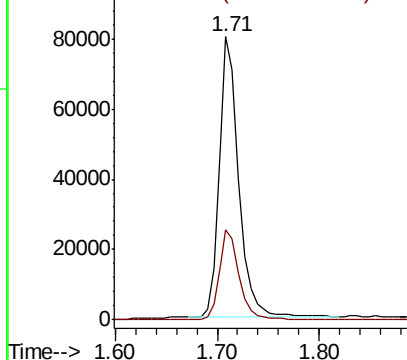
64 100

66 32.0 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

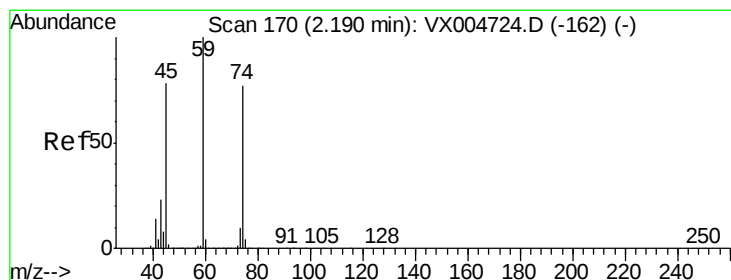
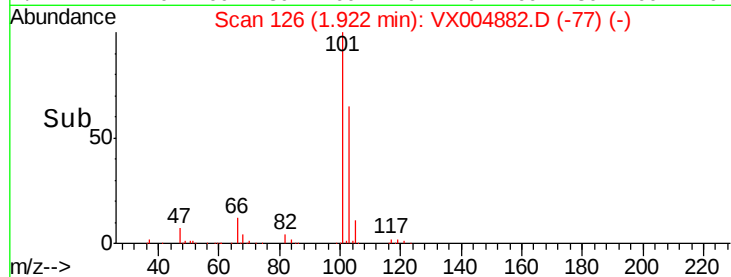
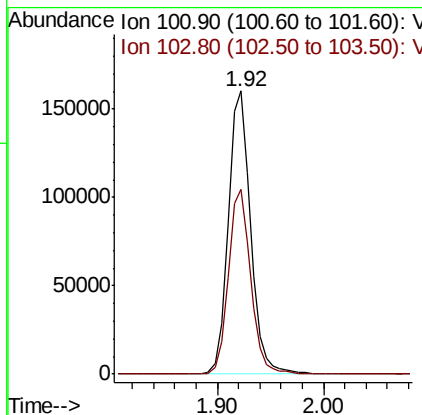
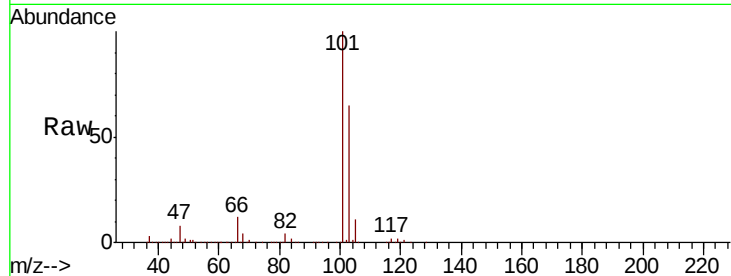
Trichlorofluoromethane
 Concen: 56.008 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: VX004882.D
 Acq: 01 Oct 2018 20:23

Instrument :
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 SA-TW502-0913MSD

Tot Ion	Ratio	Resp	Lower	Upper
101	100	235782		
103	65.2	48.9	73.3	

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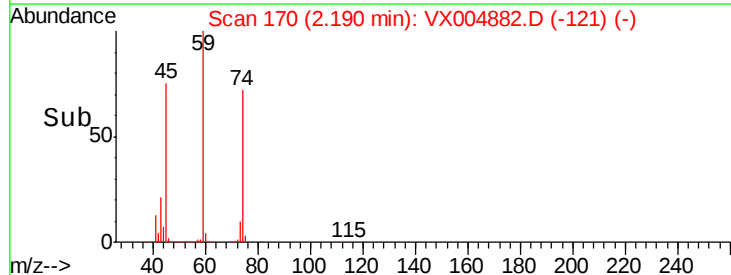
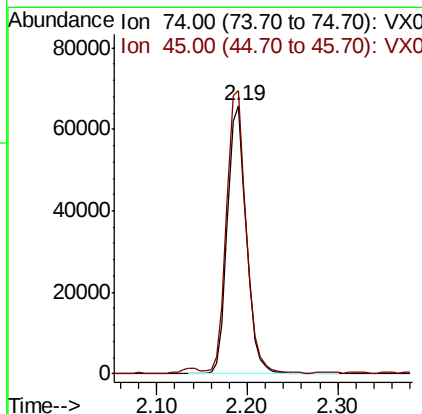
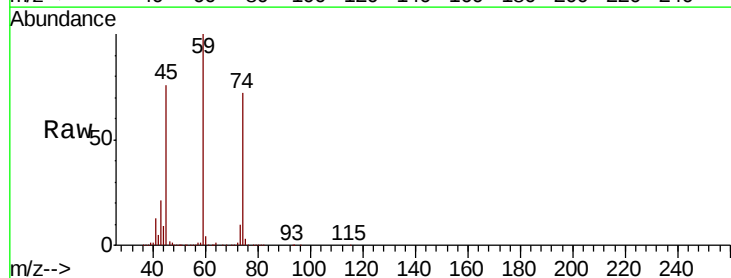
MMDadoda
 10/4/2018 7:07:53 PM

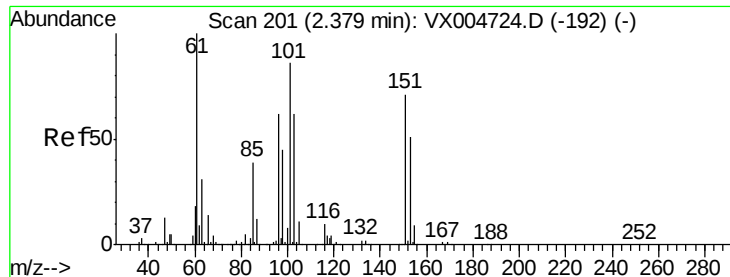


#8

Diethyl Ether
 Concen: 52.511 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX004882.D
 Acq: 01 Oct 2018 20:23

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	96035		
45	108.4	48.3	144.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.897 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Instrument :

MSVOA_X

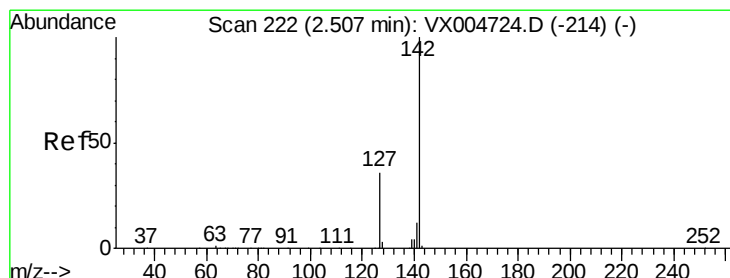
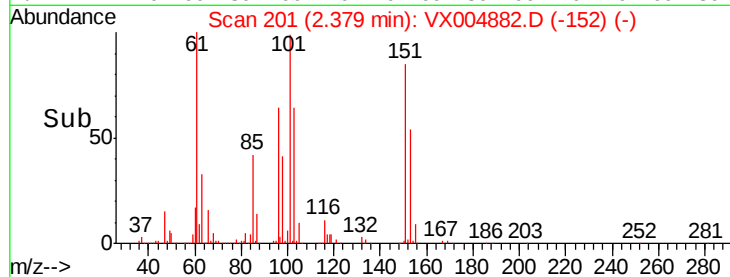
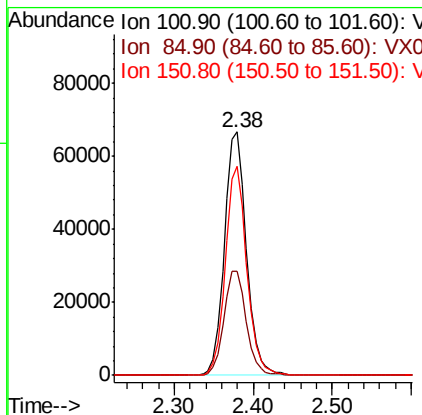
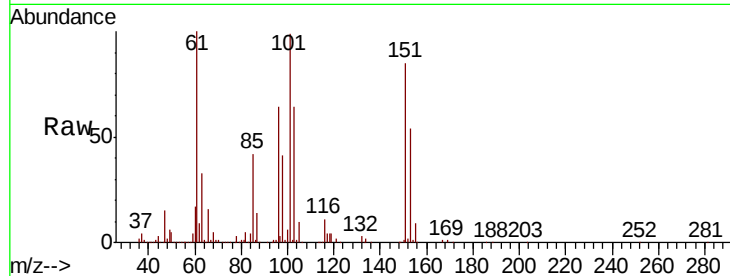
ClientSampleId :

SA-TW502-0913MSD

Tot Ion:	101	Resp:	129245
Ion Ratio	Lower	Upper	
101	100		
85	43.7	34.2	51.4
151	83.7	65.0	97.6

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#10

Methyl Iodide

Concen: 42.736 ug/l

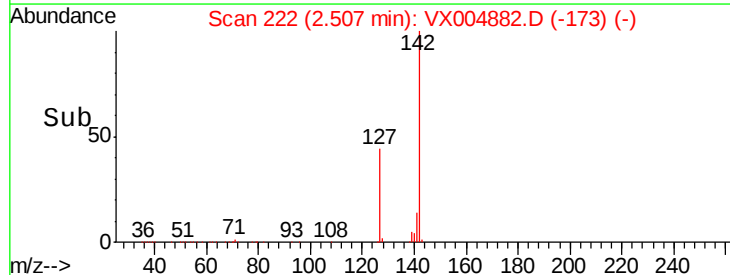
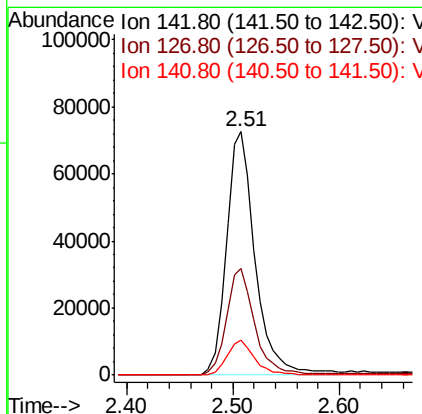
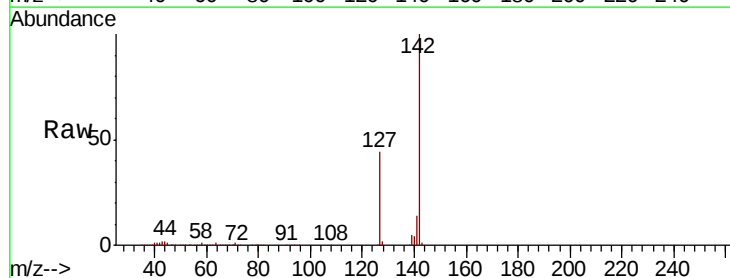
RT: 2.51 min Scan# 222

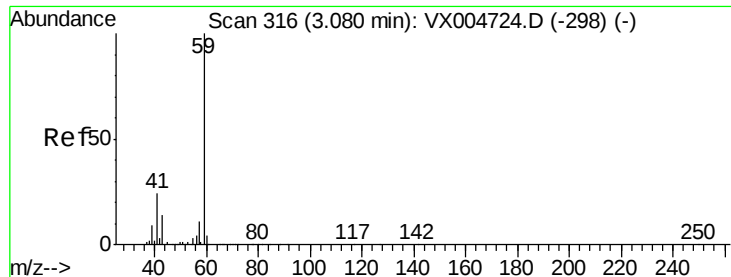
Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Tgt Ion:	142	Resp:	137137
Ion Ratio	Lower	Upper	
142	100		
127	43.7	33.8	50.6
141	14.1	11.4	17.0





#11

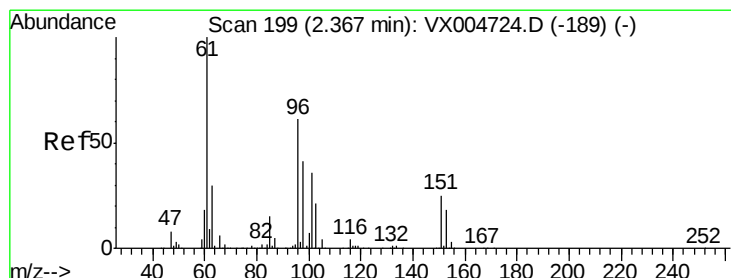
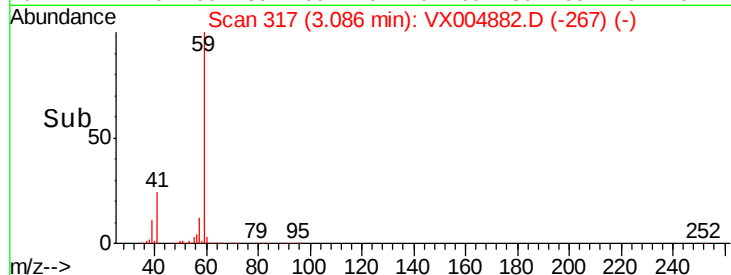
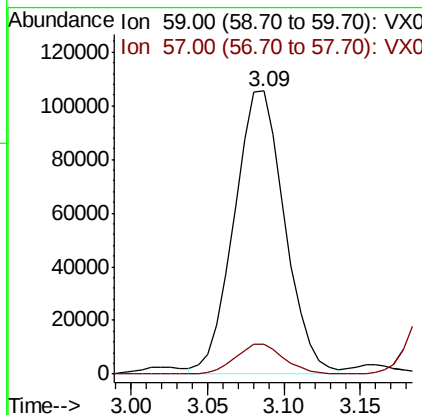
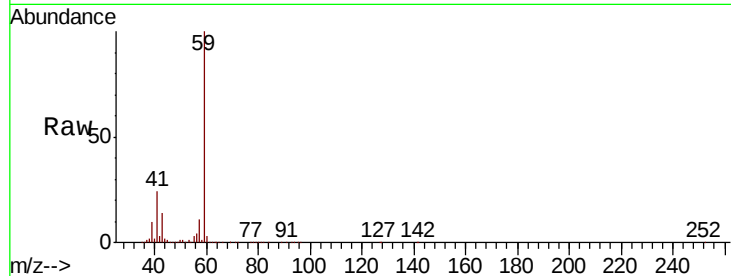
Tert butyl alcohol
 Concen: 277.224 ug/l
 RT: 3.09 min Scan# 317
 Delta R.T. 0.01 min
 Lab File: VX004882.D
 Acq: 01 Oct 2018 20:23

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW502-0913MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.2	12.4

Manual Integrations
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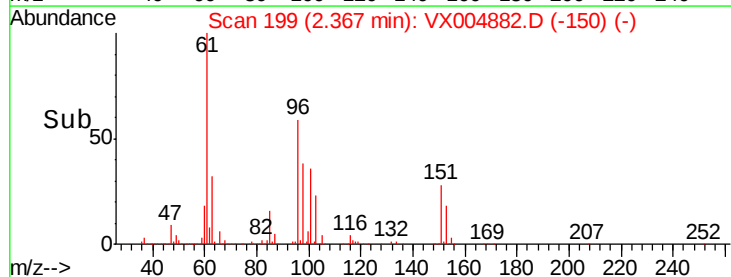
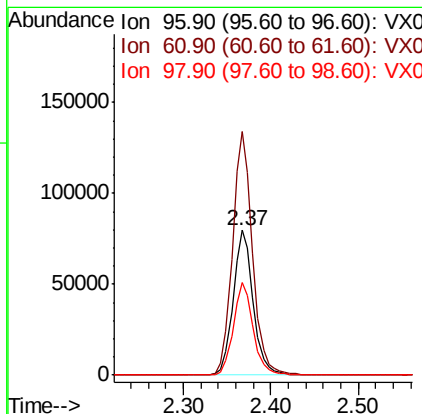
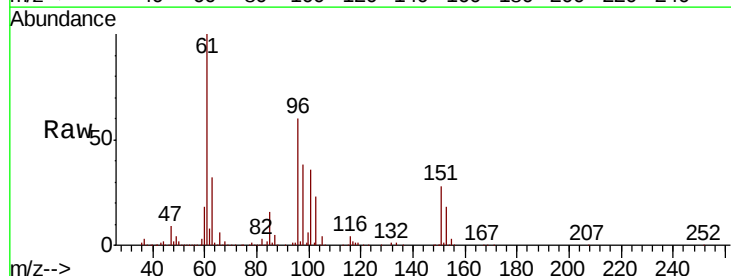
MMDadoda
 10/4/2018 7:07:53 PM



#12

1,1-Dichloroethene
 Concen: 53.208 ug/l
 RT: 2.37 min Scan# 199
 Delta R.T. 0.00 min
 Lab File: VX004882.D
 Acq: 01 Oct 2018 20:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.0	128.8	193.2
98	63.5	52.2	78.2





#13

Acrolein

Concen: 174.442 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Instrument :

MSVOA_X

ClientSampleId :

SA-TW502-0913MSD

Tot Ion: 56 Resp: 108655

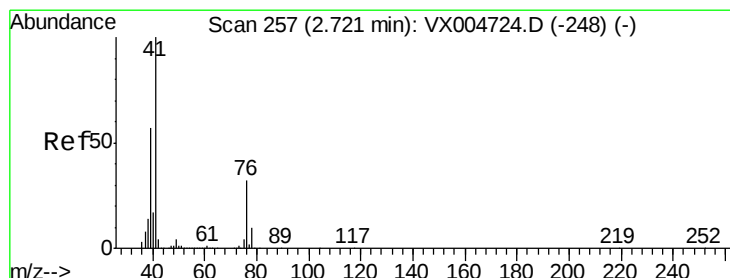
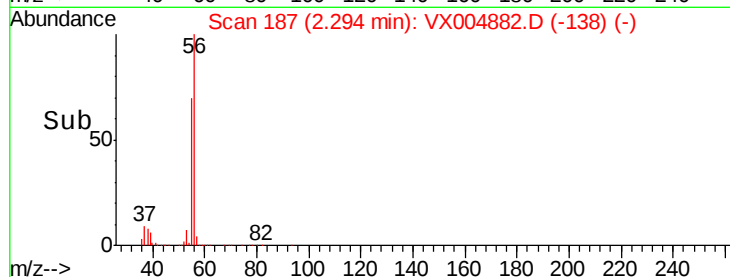
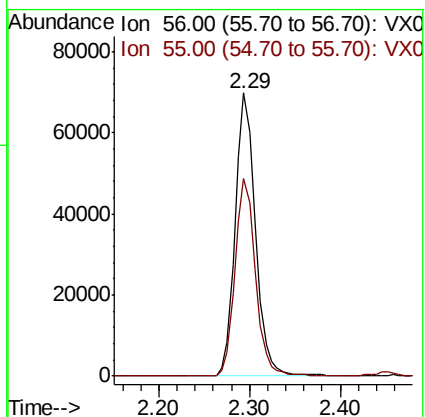
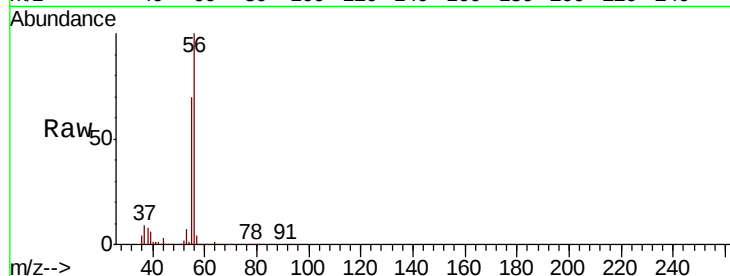
Ion Ratio Lower Upper

56 100

55 70.3 54.7 82.1

Manual Integrations
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#14

Allyl chloride

Concen: 54.864 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

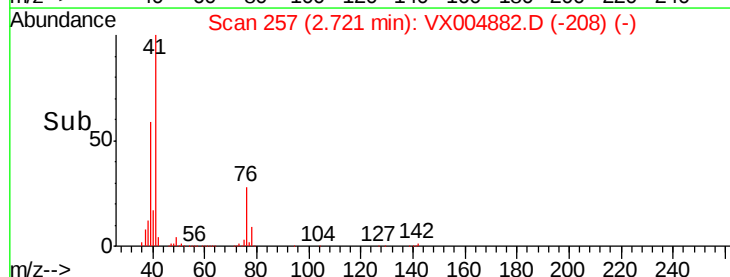
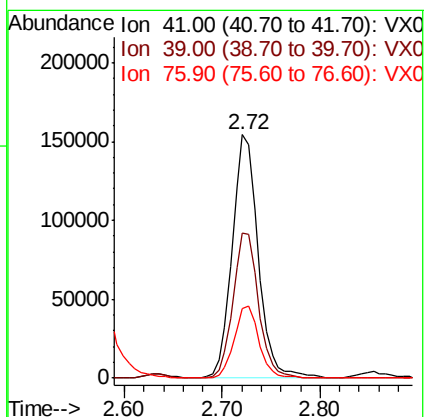
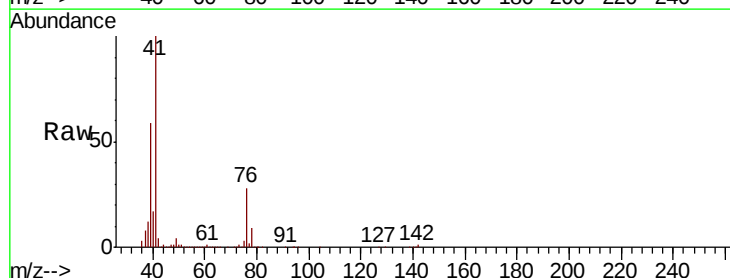
Tgt Ion: 41 Resp: 284288

Ion Ratio Lower Upper

41 100

39 58.3 48.9 73.3

76 28.3 26.7 40.1





#15

Acrylonitrile

Concen: 275.754 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Instrument :

MSVOA_X

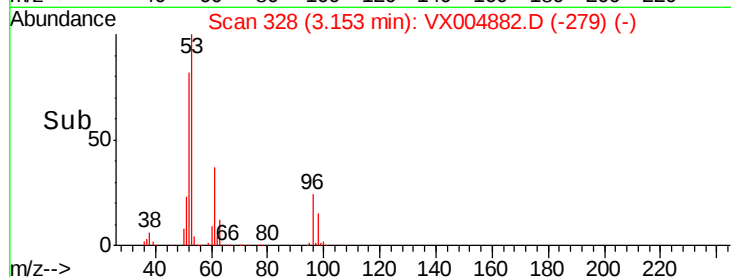
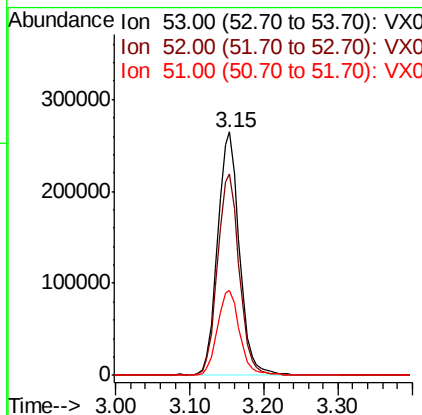
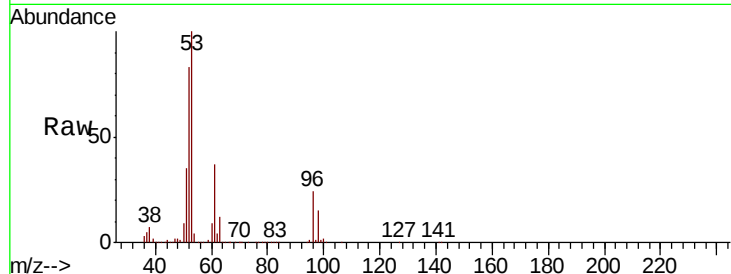
ClientSampleId :

SA-TW502-0913MSD

Tot Ion:	53	Resp:	531426
Ion Ratio	Lower	Upper	
53	100		
52	82.6	65.2	97.8
51	35.8	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 256.665 ug/l

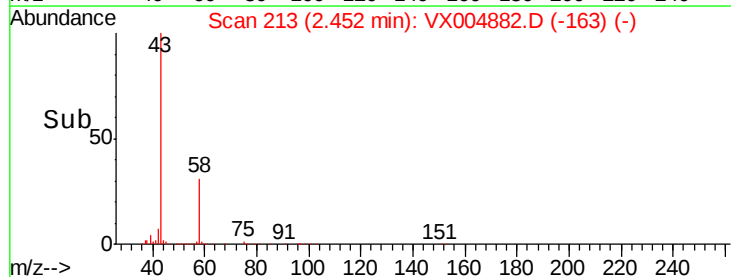
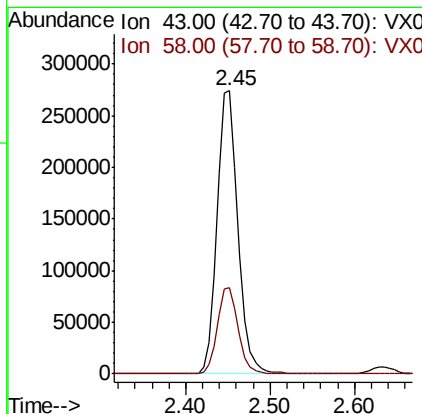
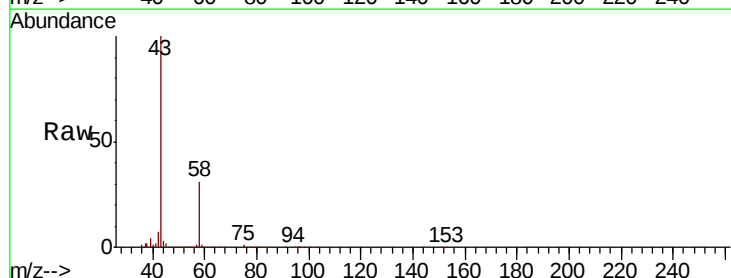
RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Tgt Ion:	43	Resp:	469157
Ion Ratio	Lower	Upper	
43	100		
58	30.6	26.2	39.4





#17

Carbon Disulfide

Concen: 51.232 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Instrument :

MSVOA_X

ClientSampleId :

SA-TW502-0913MSD

Tot Ion: 76 Resp: 365599

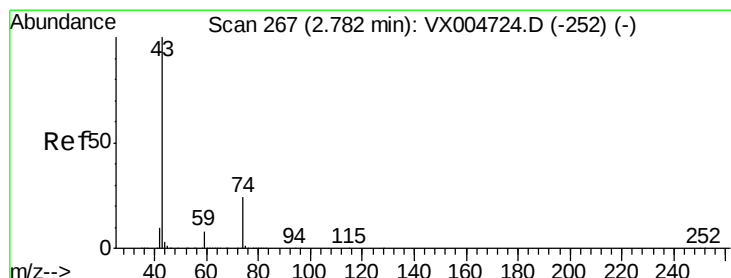
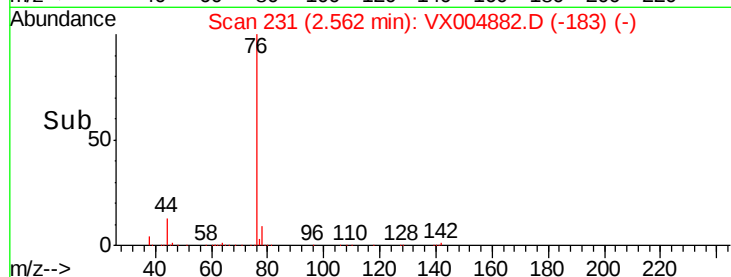
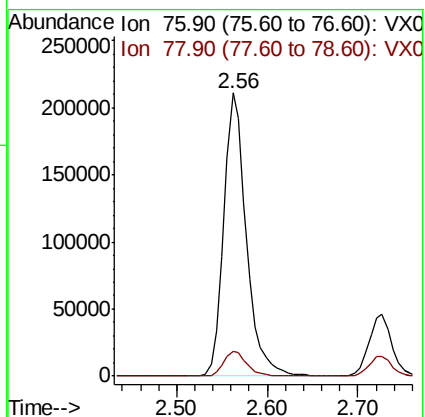
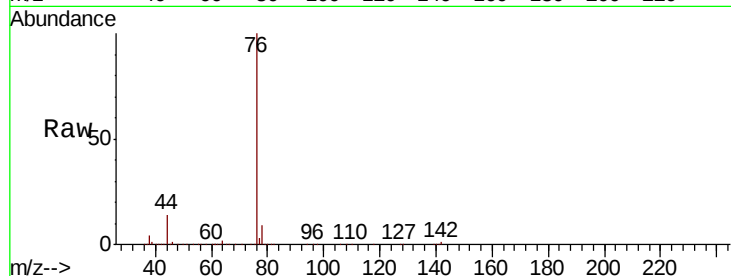
Ion Ratio Lower Upper

76 100

78 8.6 7.0 10.6

Manual Integrations
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#18

Methyl Acetate

Concen: 57.161 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX004882.D

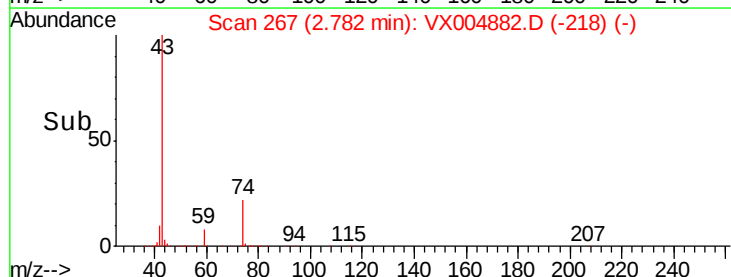
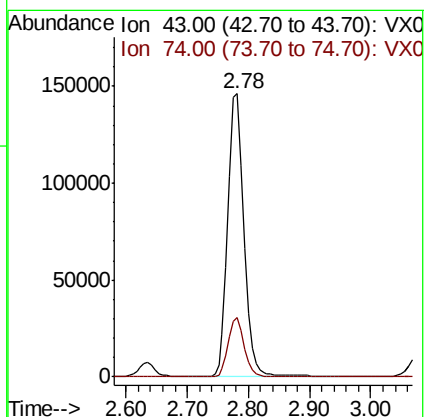
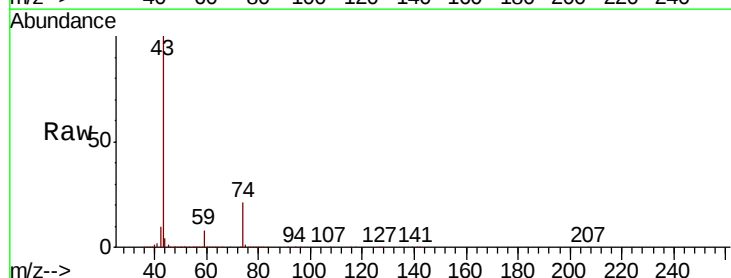
Acq: 01 Oct 2018 20:23

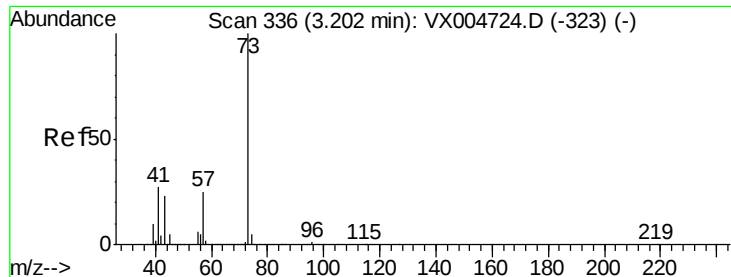
Tgt Ion: 43 Resp: 264724

Ion Ratio Lower Upper

43 100

74 20.3 19.4 29.2





#19

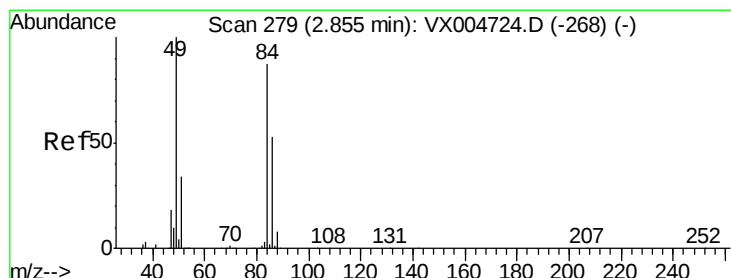
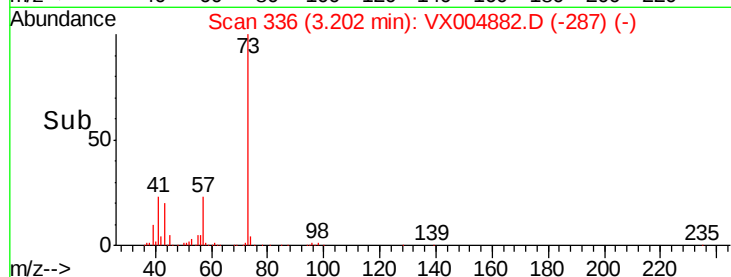
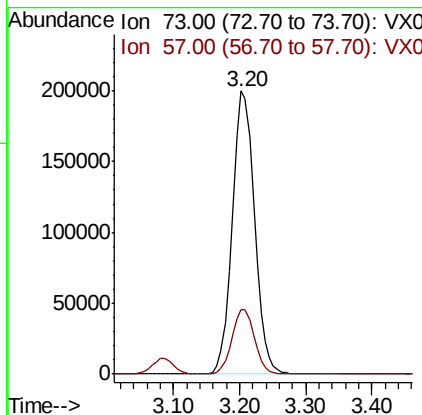
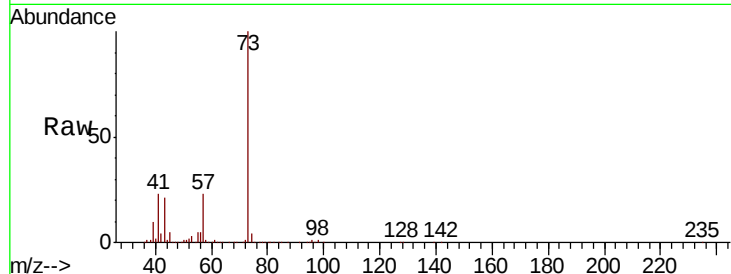
Methyl tert-butyl Ether
 Concen: 56.915 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. 0.00 min
 Lab File: VX004882.D
 Acq: 01 Oct 2018 20:23

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW502-0913MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.7	17.1	25.7

Manual Integrations
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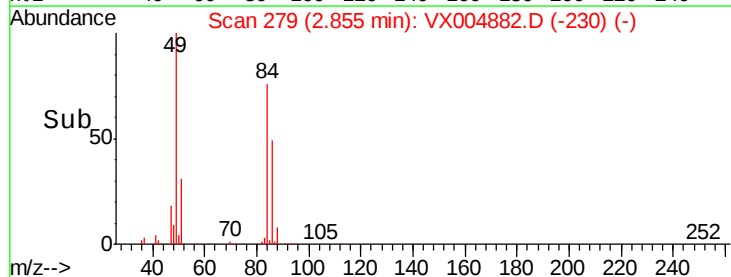
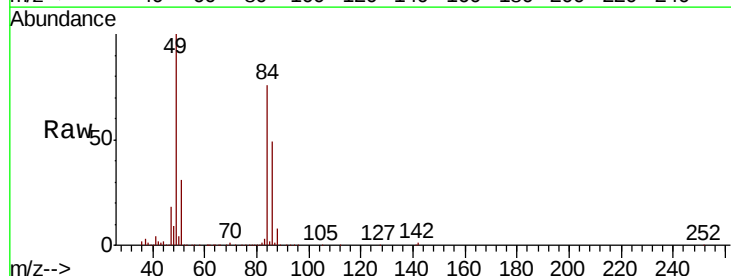
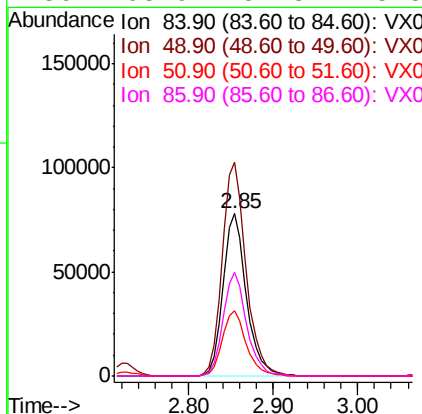
MMDadoda
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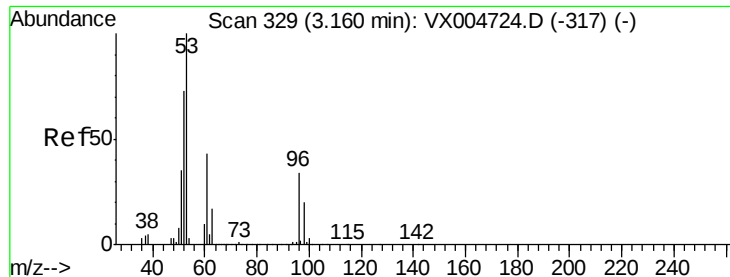


#20

Methylene Chloride
 Concen: 55.815 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX004882.D
 Acq: 01 Oct 2018 20:23

Tgt Ion	Ratio	Lower	Upper
84	100		
49	131.5	101.2	151.8
51	40.5	29.5	44.3
86	63.9	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 52.387 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Instrument :

MSVOA_X

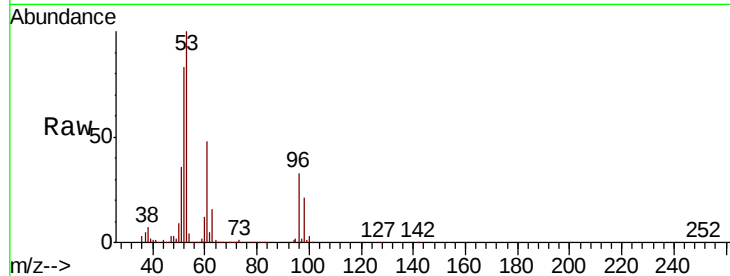
ClientSampleId :

SA-TW502-0913MSD

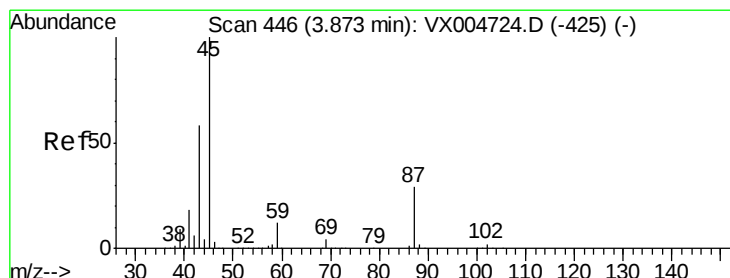
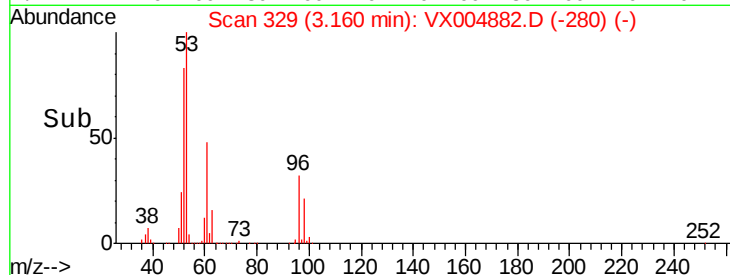
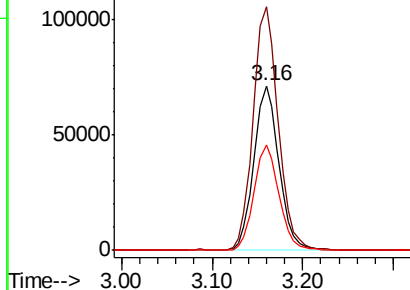
Tot Ion:	96	Resp:	136190
Ion	Ratio	Lower	Upper
96	100		
61	147.7	113.8	170.6
98	63.8	51.8	77.8

Manual Integrations
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Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 54.724 ug/l

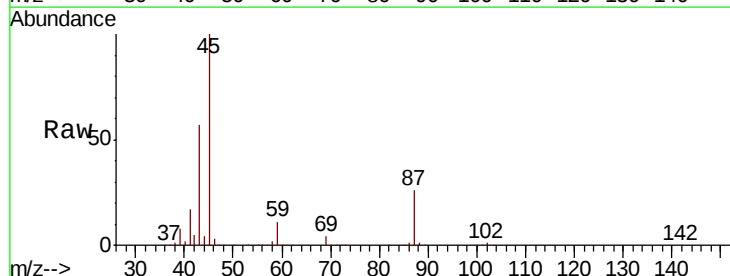
RT: 3.87 min Scan# 446

Delta R.T. 0.00 min

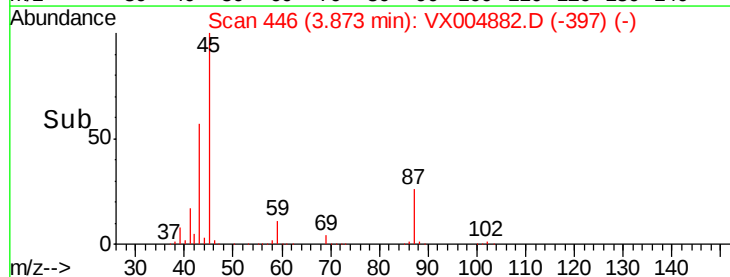
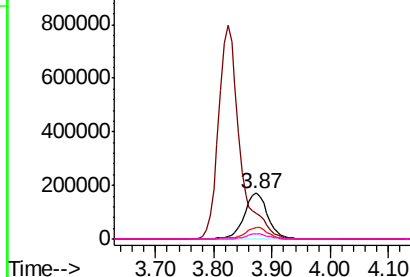
Lab File: VX004882.D

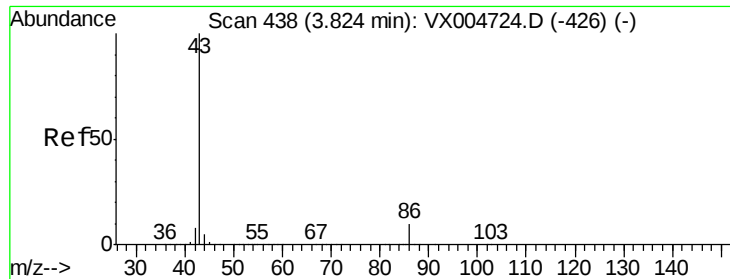
Acq: 01 Oct 2018 20:23

Tgt Ion:	45	Resp:	477497
Ion	Ratio	Lower	Upper
45	100		
43	56.8	42.8	64.2
87	26.0	22.6	34.0
59	11.3	9.6	14.4



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 252.530 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Instrument :

MSVOA_X

ClientSampleId :

SA-TW502-0913MSD

Tot Ion: 43 Resp: 2016960

Ion Ratio Lower Upper

43 100

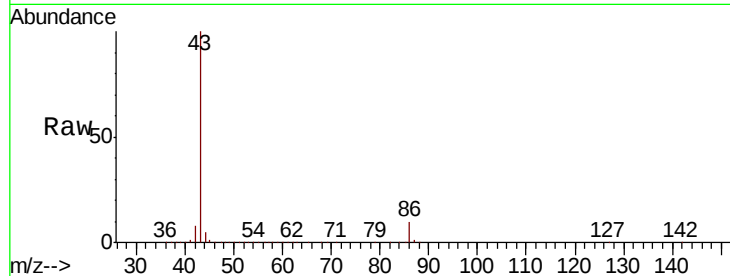
86 9.5 8.9 13.3

Manual Integrations

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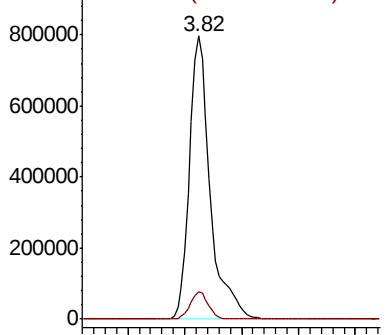
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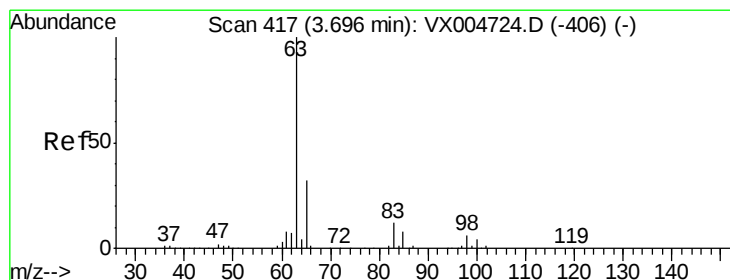
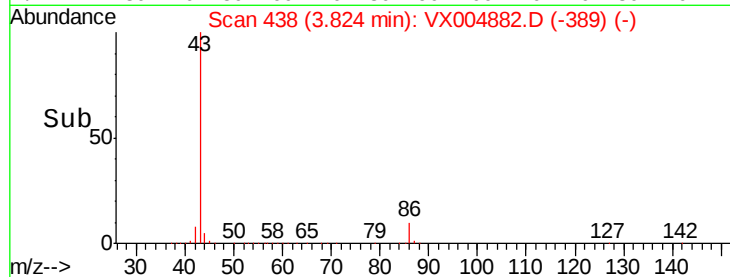


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



Time-->



#24

1,1-Dichloroethane

Concen: 50.291 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

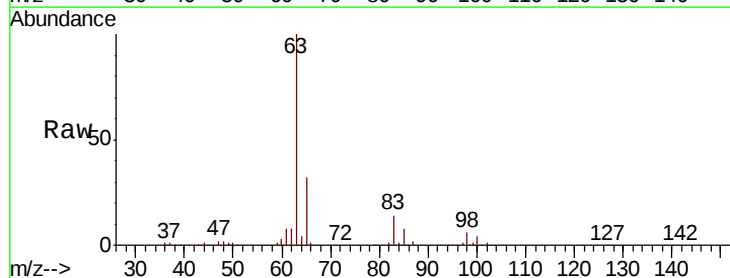
Tgt Ion: 63 Resp: 261761

Ion Ratio Lower Upper

63 100

98 6.4 3.5 10.4

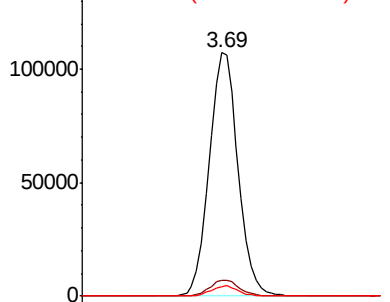
100 3.8 2.4 7.1



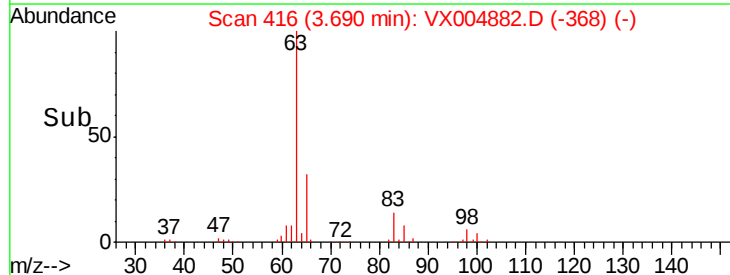
Abundance Ion 62.90 (62.60 to 63.60): VX0

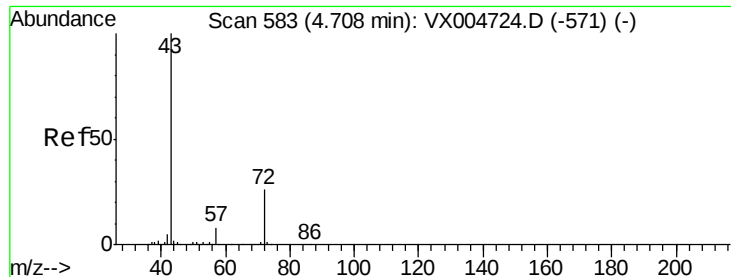
Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



Time-->





#25

2-Butanone

Concen: 265.613 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Instrument :

MSVOA_X

ClientSampleId :

SA-TW502-0913MSD

Tot Ion: 43 Resp: 715661

Ion Ratio Lower Upper

43 100

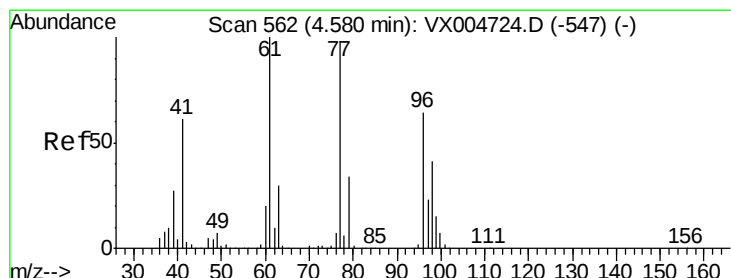
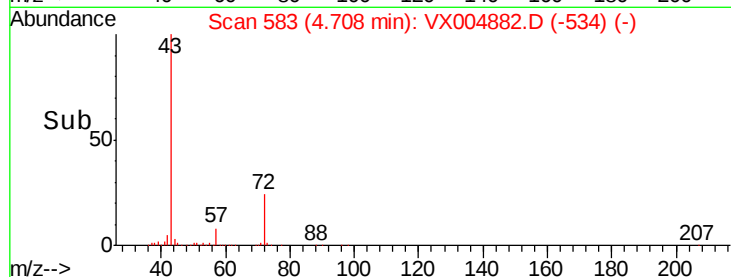
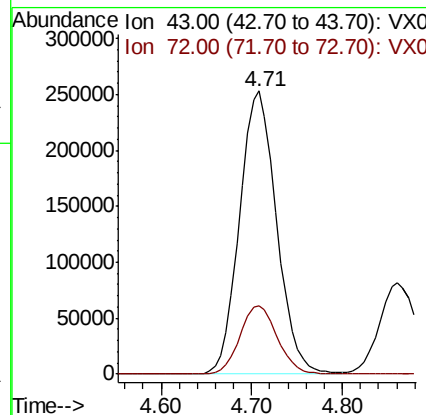
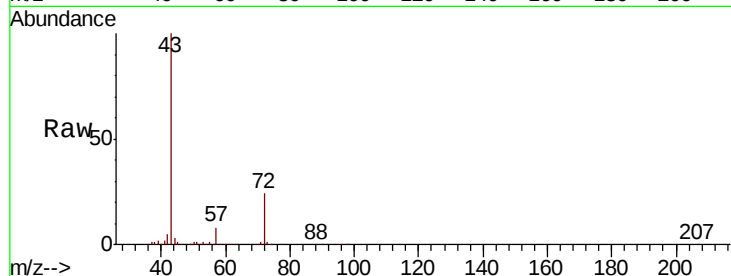
72 23.9 22.0 33.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 47.048 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX004882.D

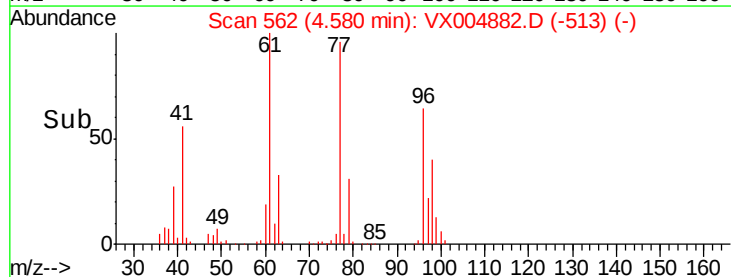
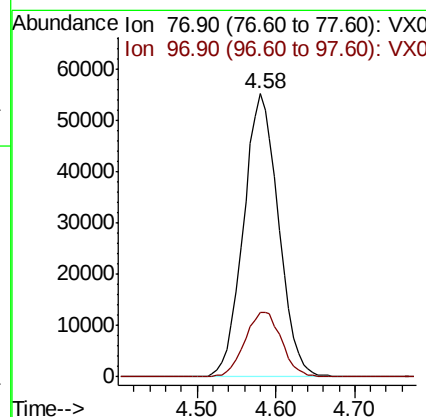
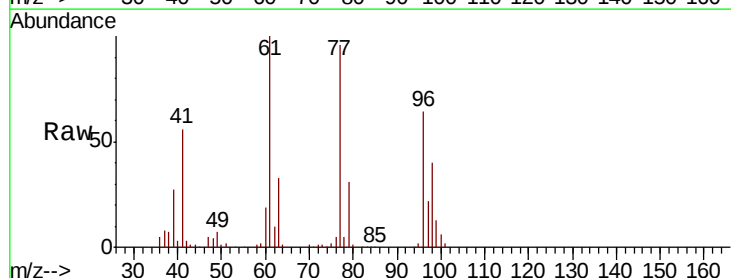
Acq: 01 Oct 2018 20:23

Tgt Ion: 77 Resp: 170525

Ion Ratio Lower Upper

77 100

97 24.0 11.7 35.0





#27

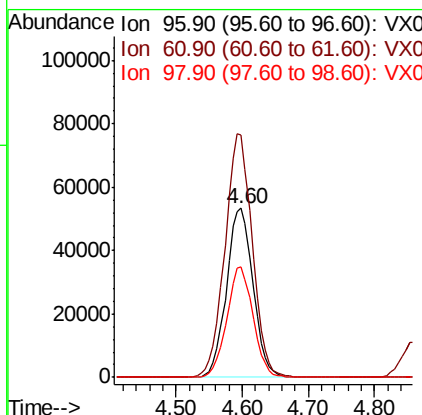
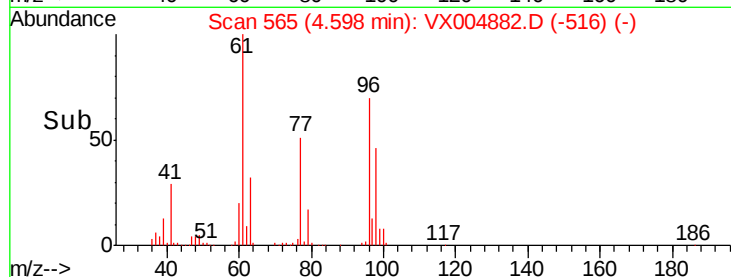
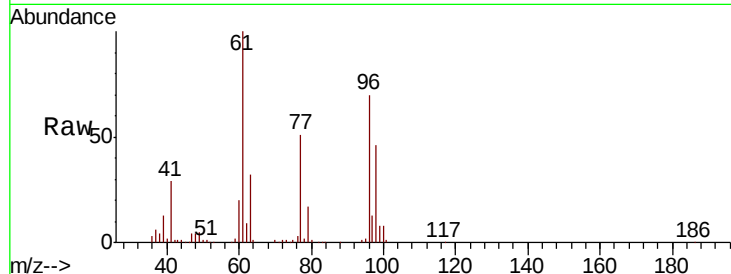
cis-1,2-Dichloroethene
 Concen: 51.086 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX004882.D
 Acq: 01 Oct 2018 20:23

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW502-0913MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100	148365		
61	148.5	0.0	282.6	
98	64.5	0.0	130.2	

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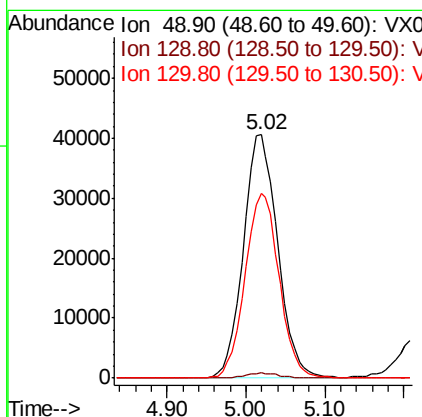
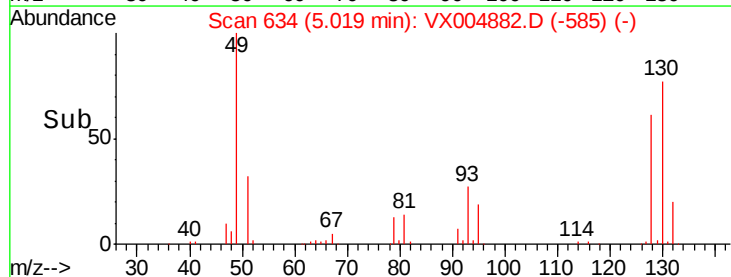
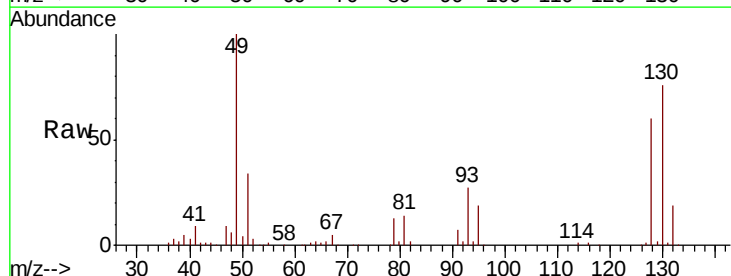
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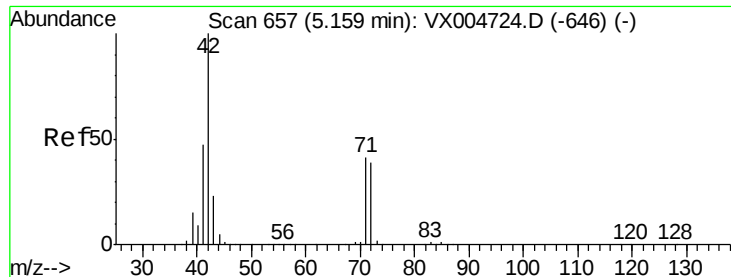


#28

Bromochloromethane
 Concen: 50.066 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VX004882.D
 Acq: 01 Oct 2018 20:23

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	122715		
129	2.2	0.0	4.2	
130	75.3	67.5	101.3	





#29

Tetrahydrofuran

Concen: 279.782 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Instrument :

MSVOA_X

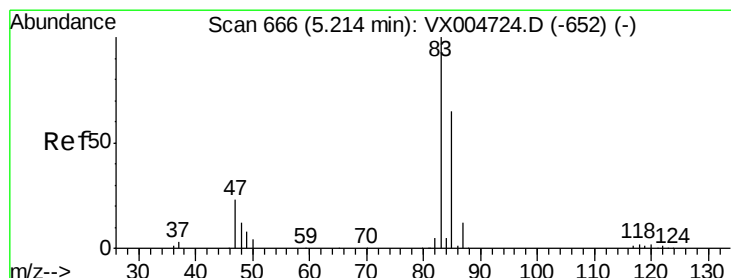
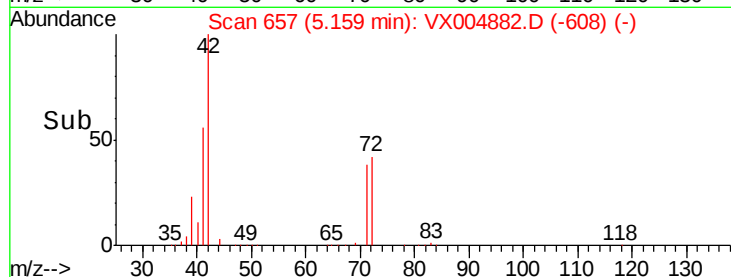
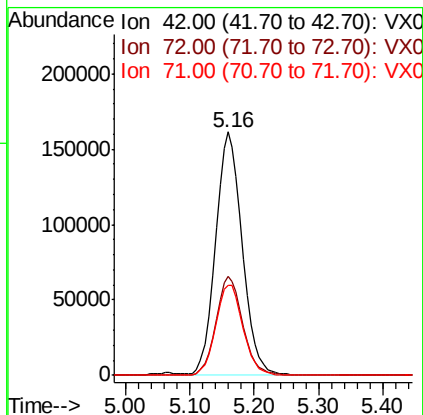
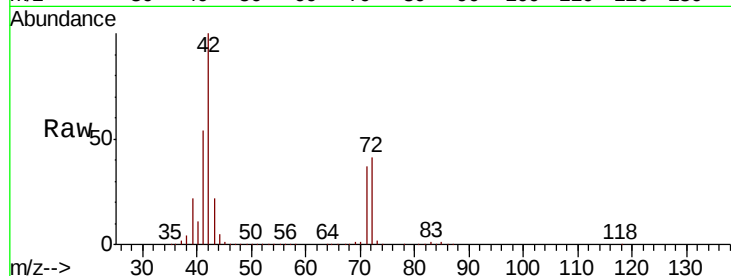
ClientSampleId :

SA-TW502-0913MSD

Tot Ion:	42	Resp:	468537
Ion Ratio		Lower	Upper
42	100		
72	40.9	37.4	56.0
71	38.3	34.5	51.7

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#30

Chloroform

Concen: 51.430 ug/l

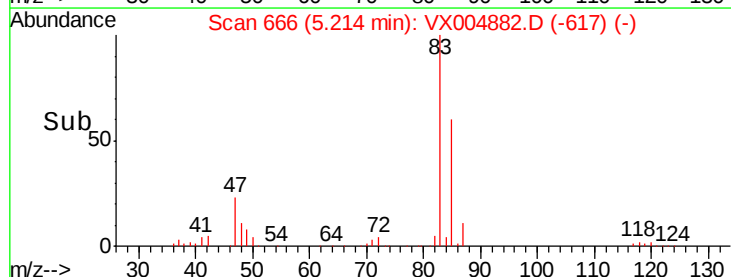
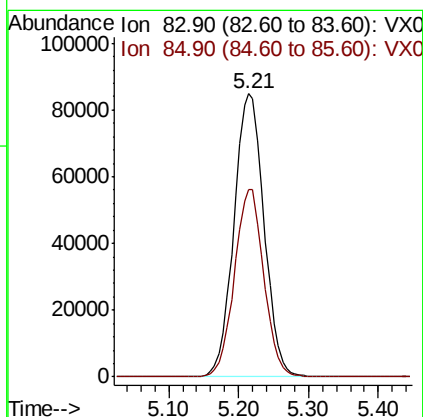
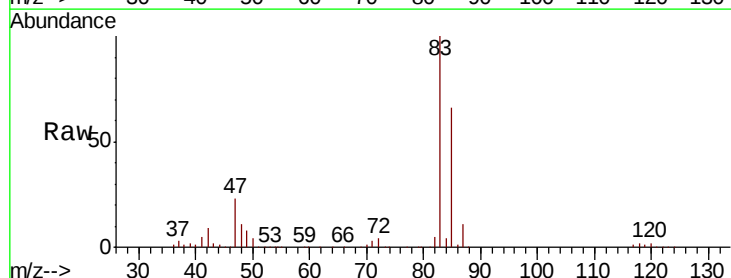
RT: 5.21 min Scan# 666

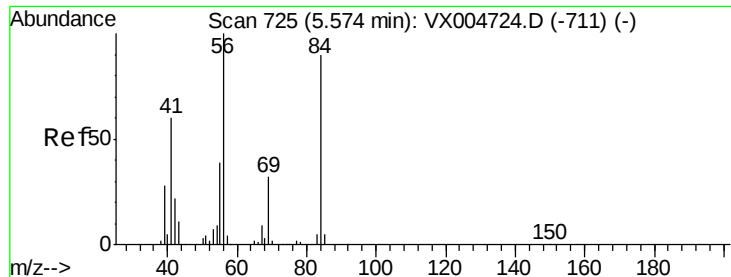
Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Tgt Ion:	83	Resp:	252993
Ion Ratio		Lower	Upper
83	100		
85	66.3	52.6	79.0





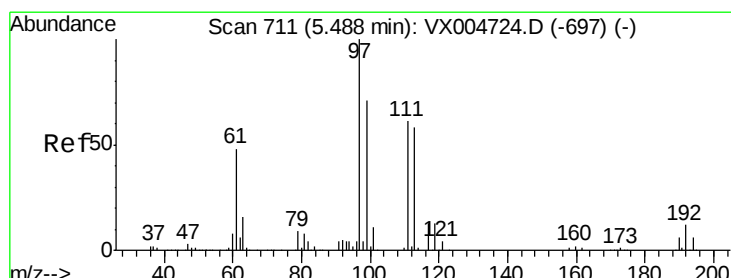
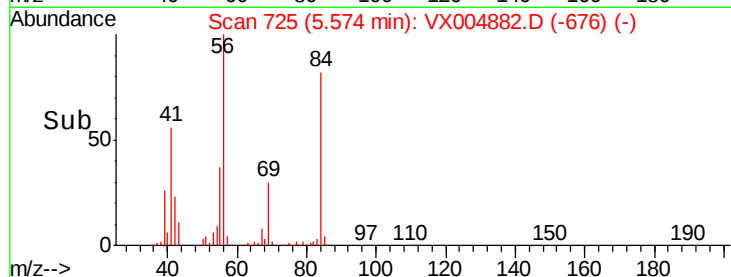
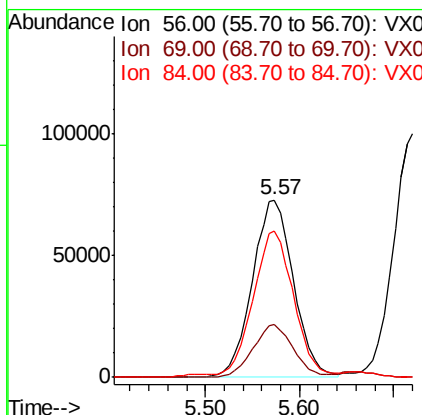
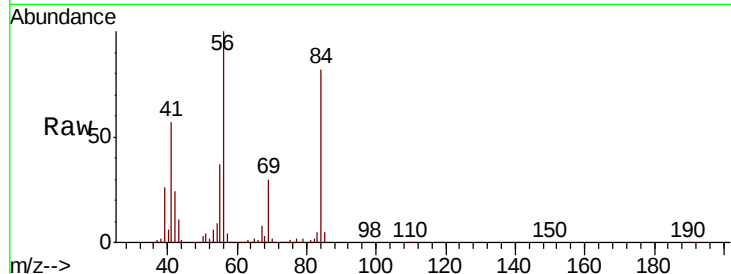
#31
Cyclohexane
Concen: 55.742 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX004882.D
Acq: 01 Oct 2018 20:23

Instrument :
MSVOA_X
ClientSampleId :
SA-TW502-0913MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.5	25.4	38.2
84	81.1	71.4	107.2

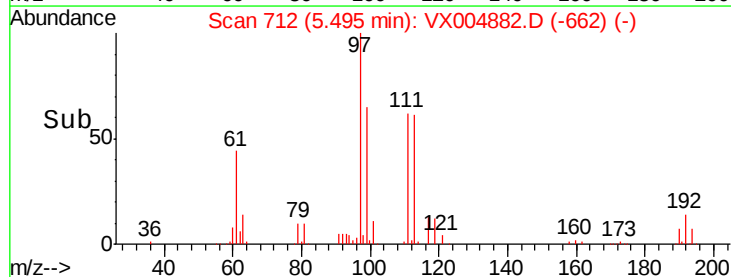
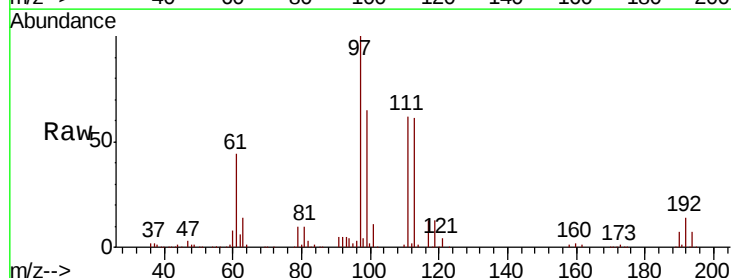
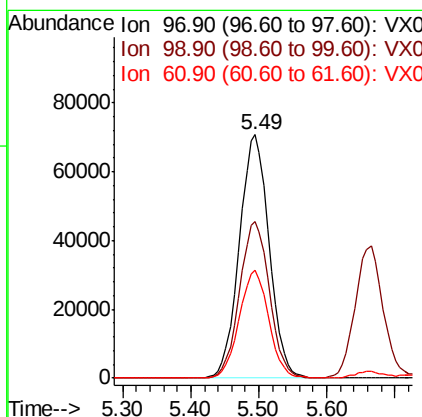
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#32
1,1,1-Trichloroethane
Concen: 53.571 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.01 min
Lab File: VX004882.D
Acq: 01 Oct 2018 20:23

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.0	78.0
61	44.1	34.9	52.3





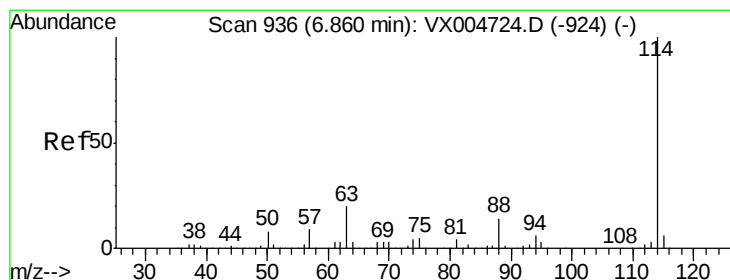
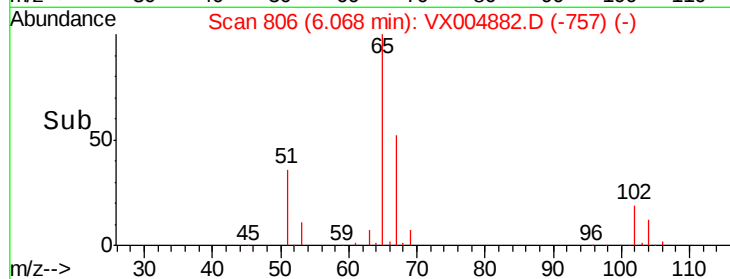
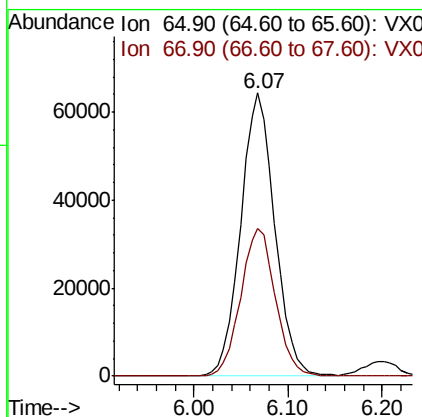
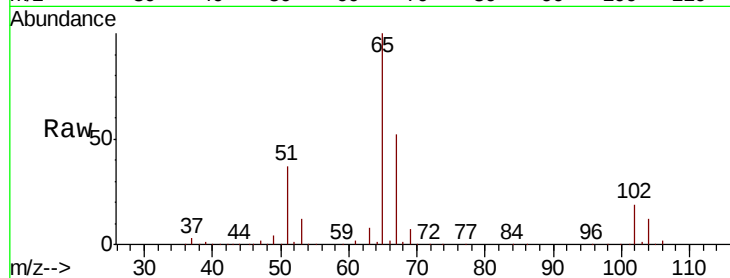
#33
 1,2-Dichloroethane-d4
 Concen: 51.928 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX004882.D
 Acq: 01 Oct 2018 20:23

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW502-0913MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	162584		
67	53.1	0.0	106.8	

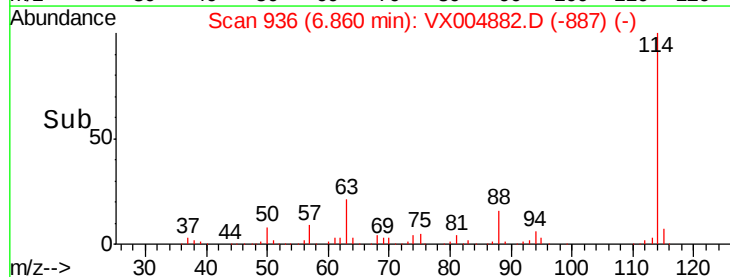
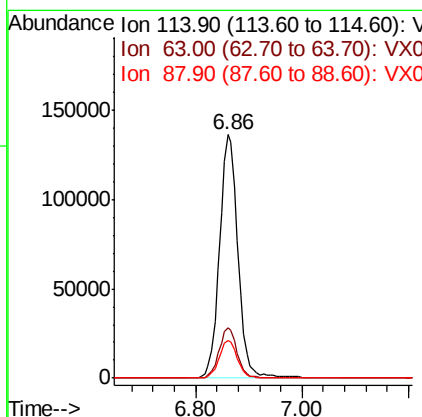
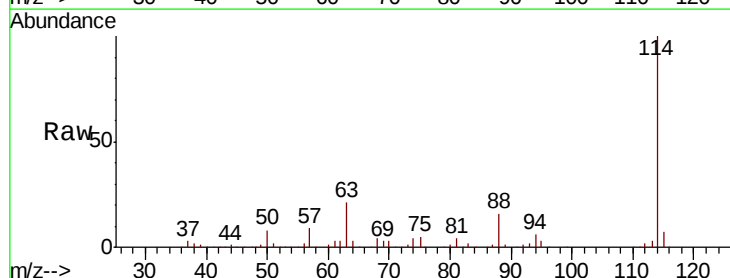
Manual Integrations
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 10/4/2018 7:07:53 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX004882.D
 Acq: 01 Oct 2018 20:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	330101		
63	20.7	0.0	39.0	
88	15.6	0.0	30.4	





#35

Dibromofluoromethane

Concen: 47.332 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Instrument :

MSVOA_X

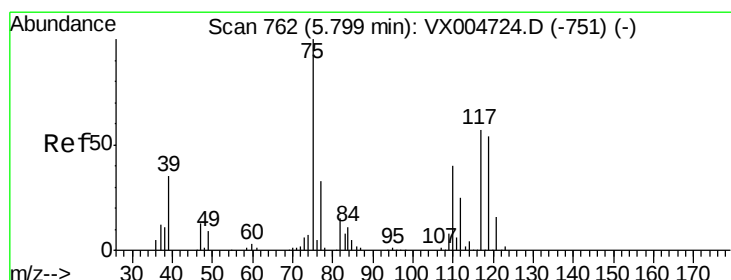
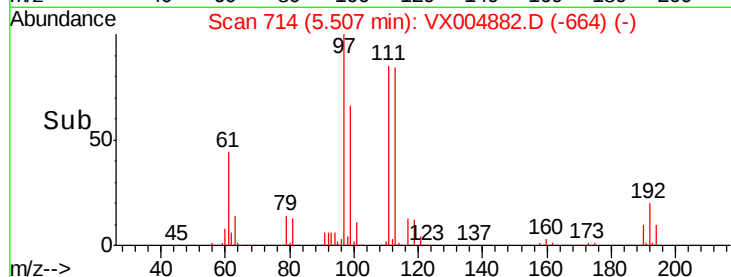
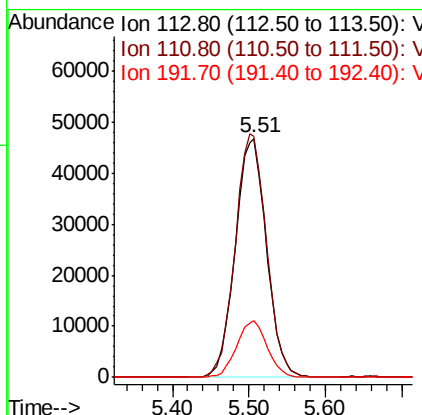
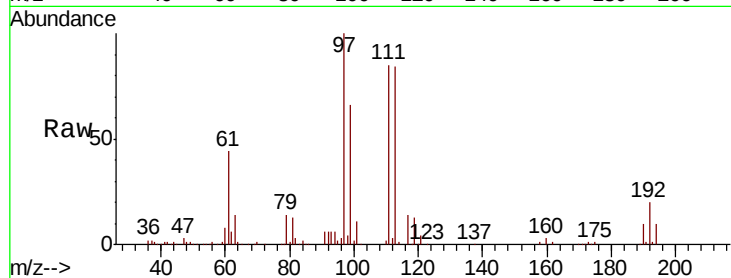
ClientSampleId :

SA-TW502-0913MSD

Tot Ion:	113	Resp:	132418
Ion Ratio	Lower	Upper	
113	100		
111	101.9	82.4	123.6
192	23.2	19.4	29.2

Manual Integrations
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10/4/2018 7:07:53 PM



#36

1,1-Dichloropropene

Concen: 48.871 ug/l

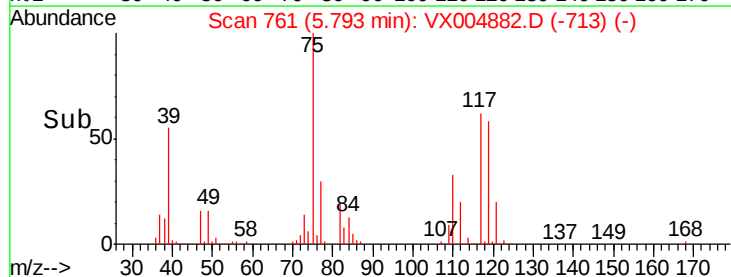
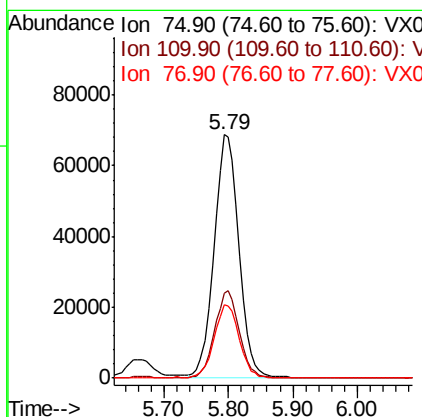
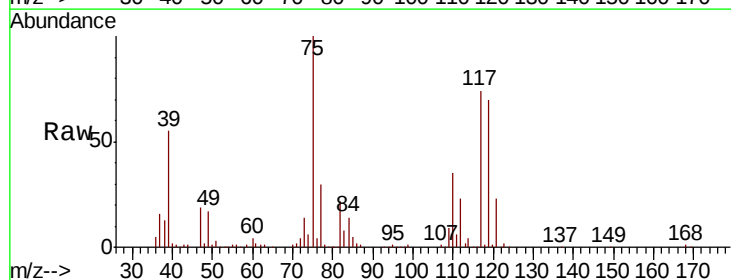
RT: 5.79 min Scan# 761

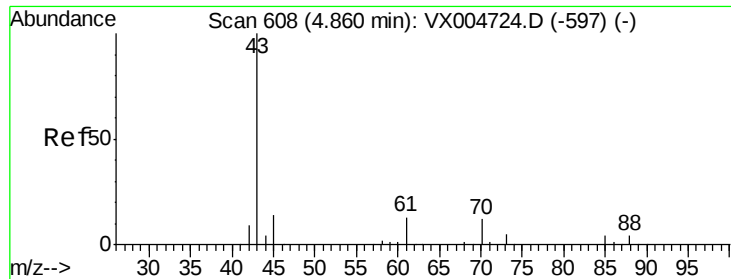
Delta R.T. -0.01 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Tgt Ion:	75	Resp:	186542
Ion Ratio	Lower	Upper	
75	100		
110	35.6	18.0	54.0
77	30.8	24.6	36.8





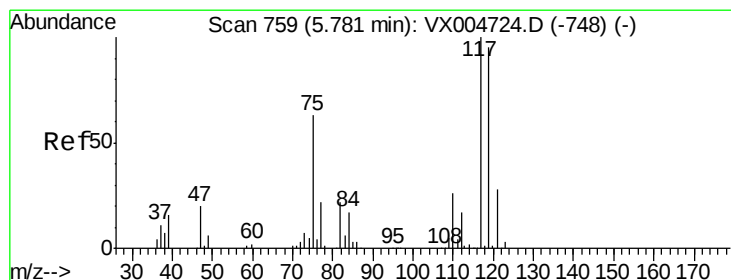
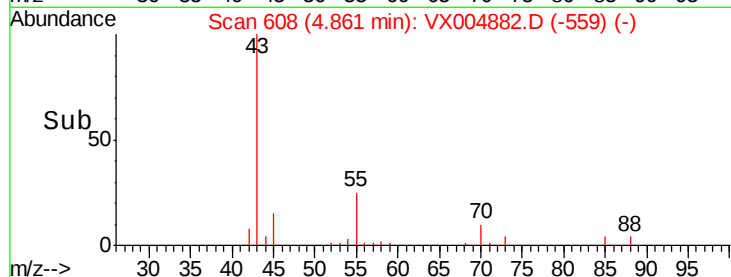
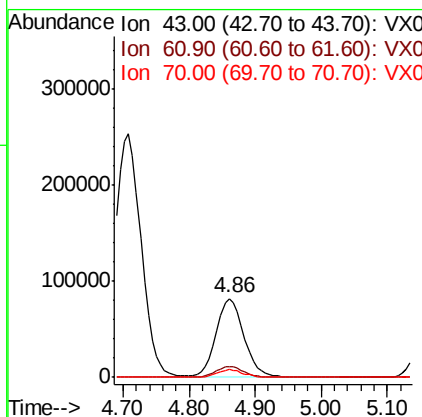
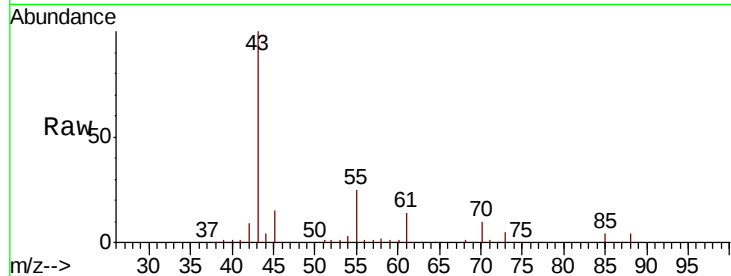
#37
Ethyl Acetate
Concen: 46.974 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.00 min
Lab File: VX004882.D
Acq: 01 Oct 2018 20:23

Instrument :
MSVOA_X
ClientSampleId :
SA-TW502-0913MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.5	17.3
70	9.7	9.0	13.6

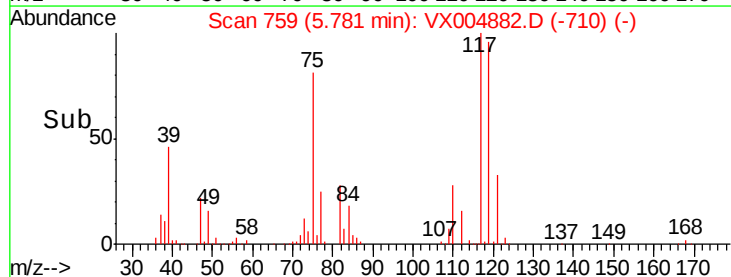
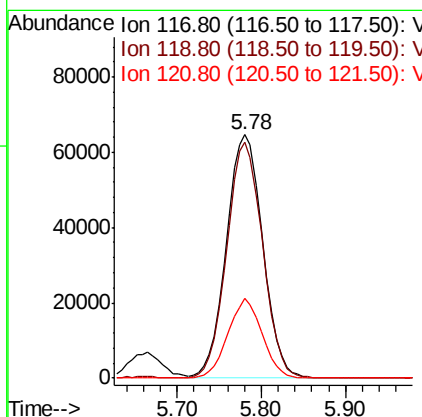
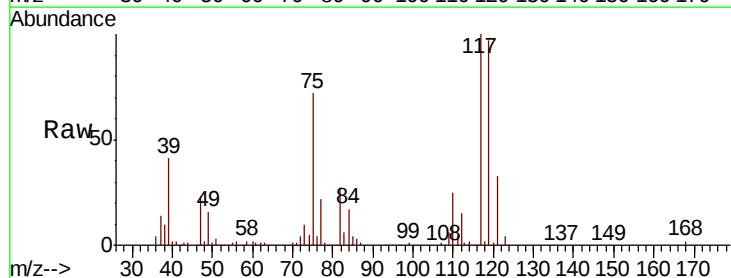
Manual Integrations
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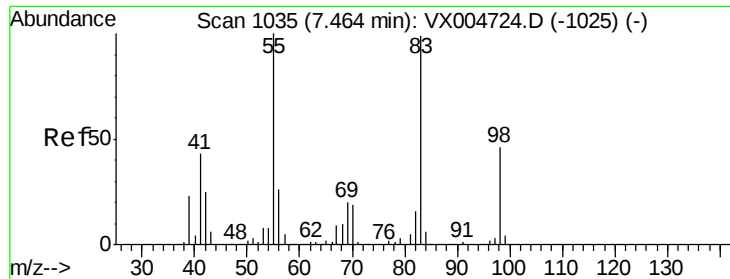
MMDadoda
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#38
Carbon Tetrachloride
Concen: 47.229 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX004882.D
Acq: 01 Oct 2018 20:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	78.8	118.2
121	32.7	24.9	37.3





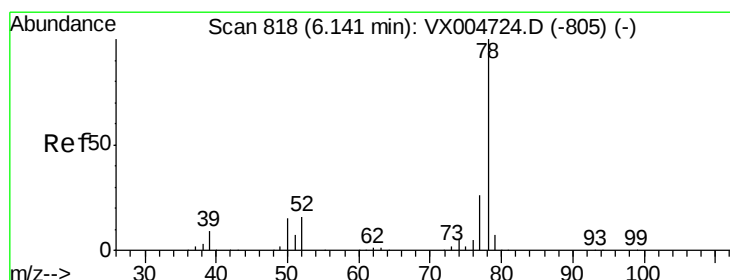
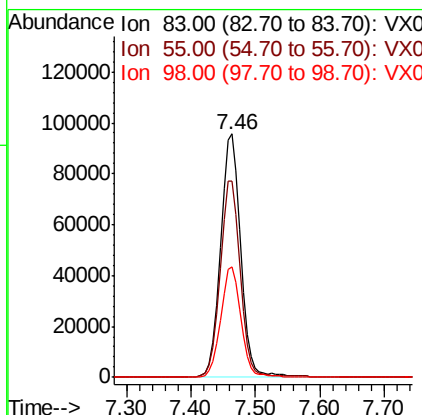
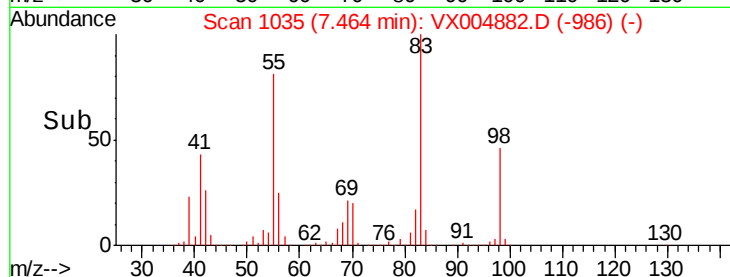
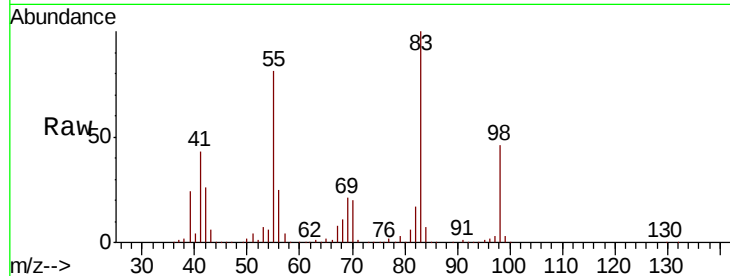
#39
Methvlcvclohexane
Concen: 54.474 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX004882.D
Acq: 01 Oct 2018 20:23

Instrument :
MSVOA_X
ClientSampleId :
SA-TW502-0913MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100	212318		
55	80.7	61.0	91.4	
98	45.5	39.6	59.4	

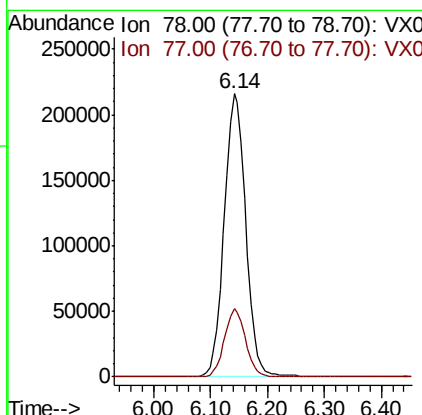
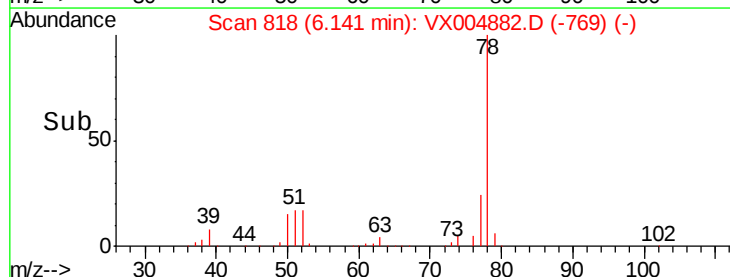
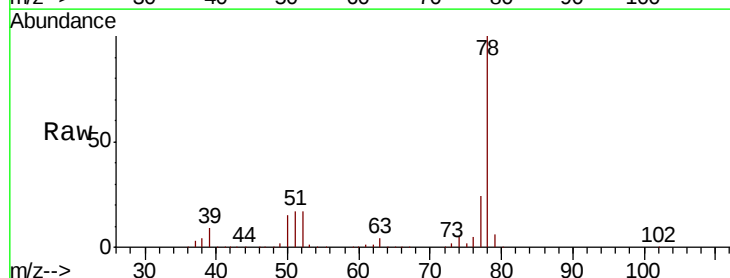
Manual Integrations
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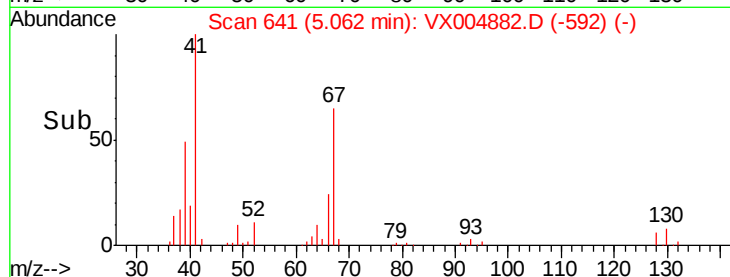
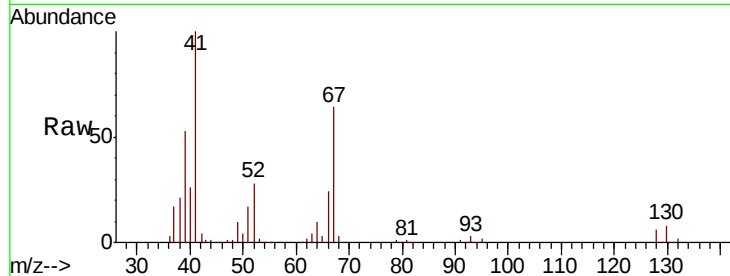
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#40
Benzene
Concen: 47.618 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX004882.D
Acq: 01 Oct 2018 20:23

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	569034		
77	24.3	19.0	28.4	





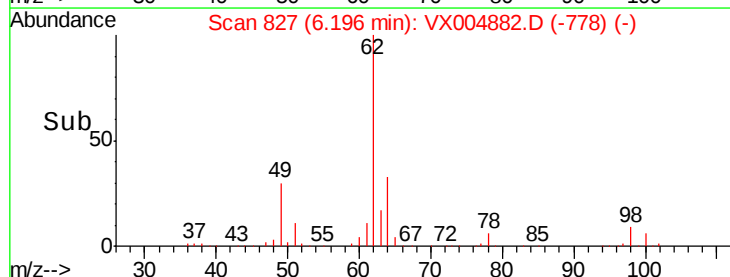
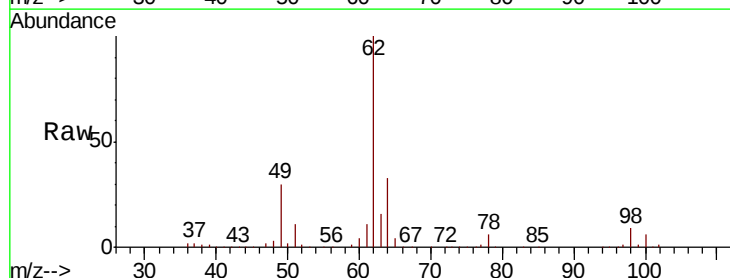
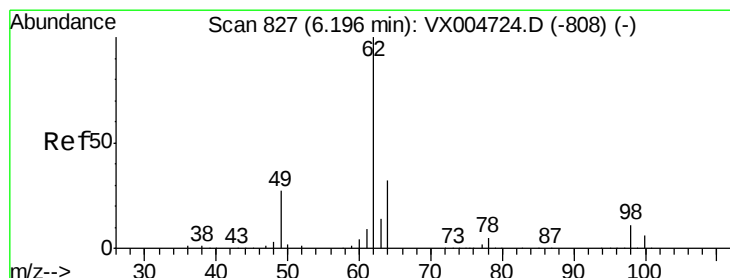
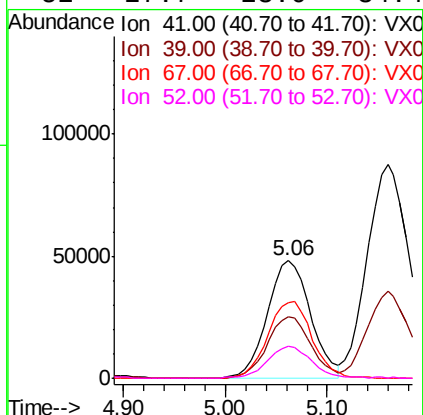
#41
Methacrylonitrile
Concen: 50.410 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.00 min
Lab File: VX004882.D
Acq: 01 Oct 2018 20:23

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		141648		
39	52.3	42.4	63.6		
67	67.4	59.2	88.8		
52	27.7	23.0	34.4		

Instrument :
MSVOA_X
ClientSampleId :
SA-TW502-0913MSD

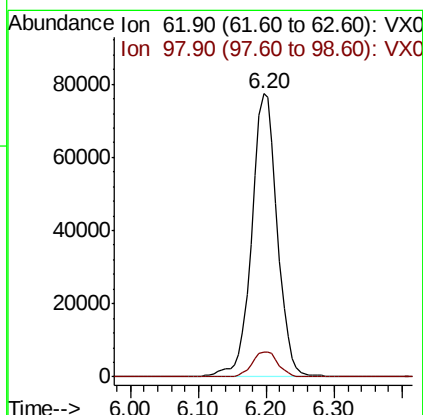
Manual Integrations
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10/4/2018 7:07:53 PM



#42
1,2-Dichloroethane
Concen: 48.128 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX004882.D
Acq: 01 Oct 2018 20:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		203312		
98	9.2	0.0	20.6		





#43

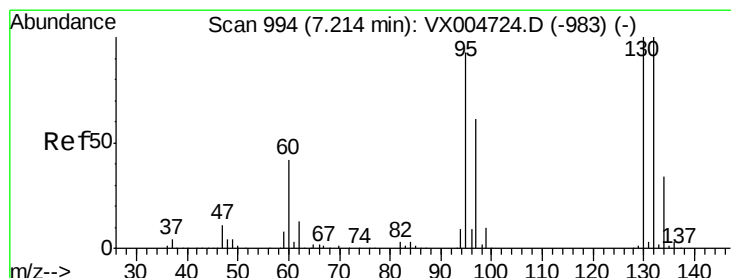
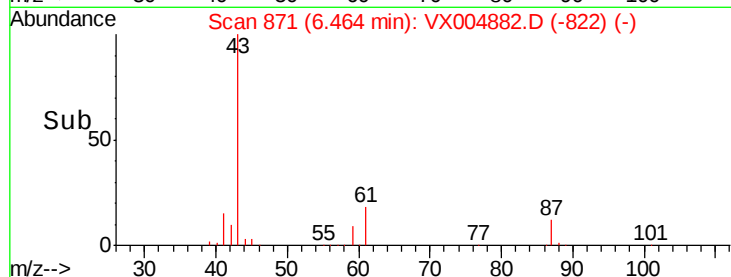
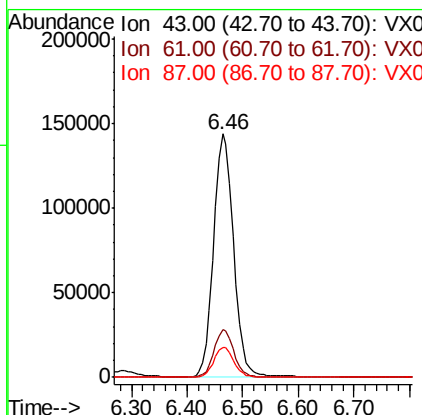
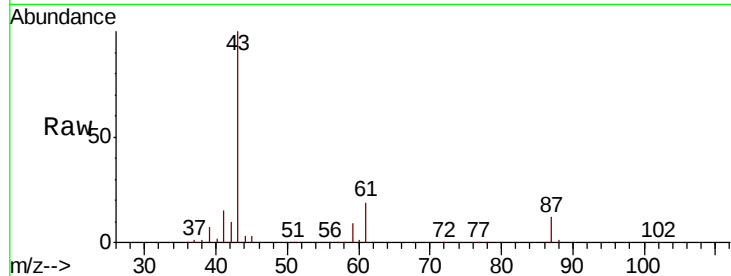
Isopropyl Acetate
 Concen: 49.342 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. 0.00 min
 Lab File: VX004882.D
 Acq: 01 Oct 2018 20:23

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW502-0913MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.5	17.0	25.4
87	12.4	11.4	17.2

Manual Integrations
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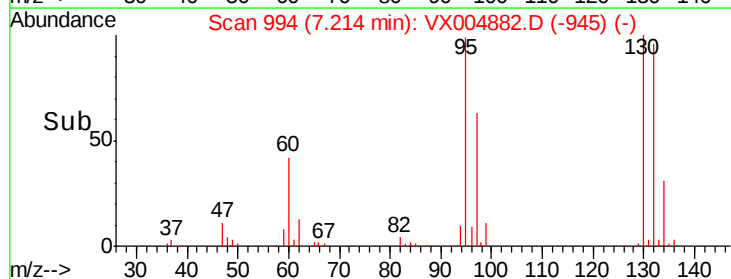
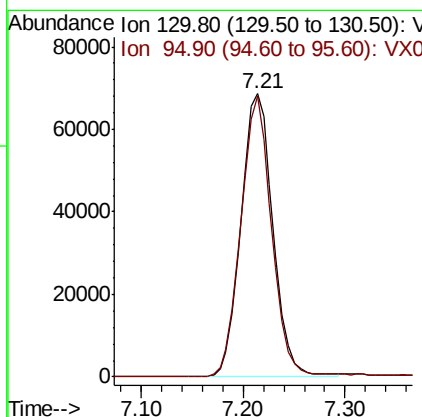
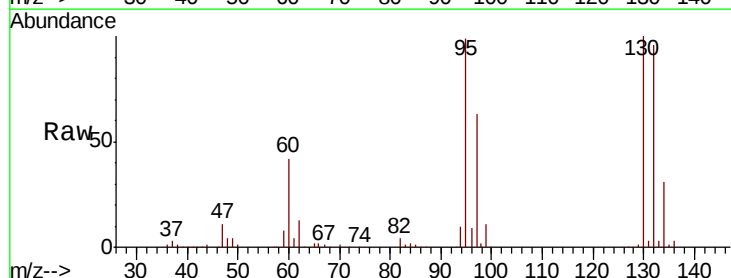
MMDadoda
 10/4/2018 7:07:53 PM



#44

Trichloroethene
 Concen: 50.898 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX004882.D
 Acq: 01 Oct 2018 20:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.0	0.0	181.6





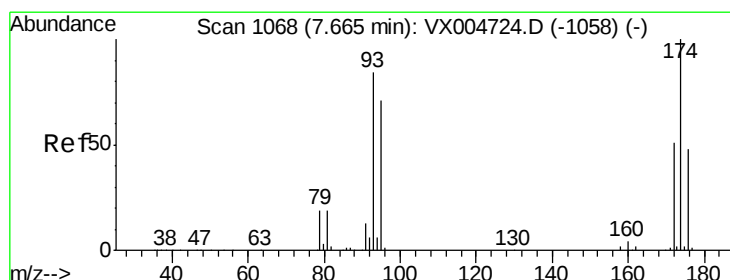
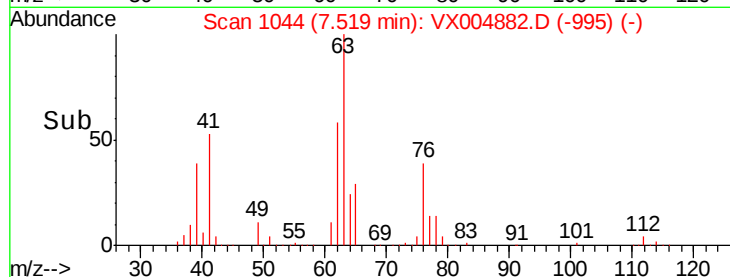
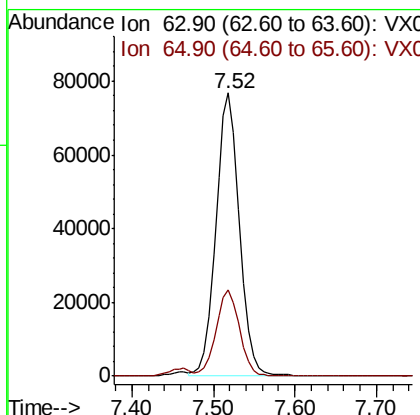
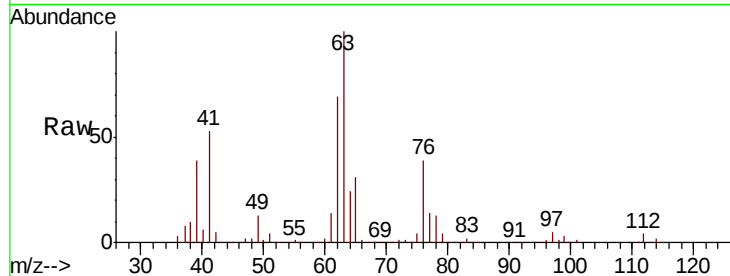
#45
 1,2-Dichloropropane
 Concen: 52.633 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: VX004882.D
 Acq: 01 Oct 2018 20:23

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW502-0913MSD

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	24.3	36.5

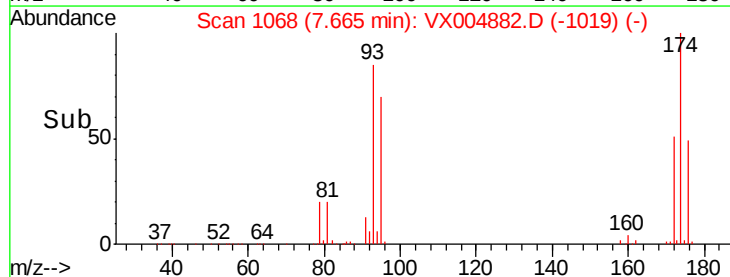
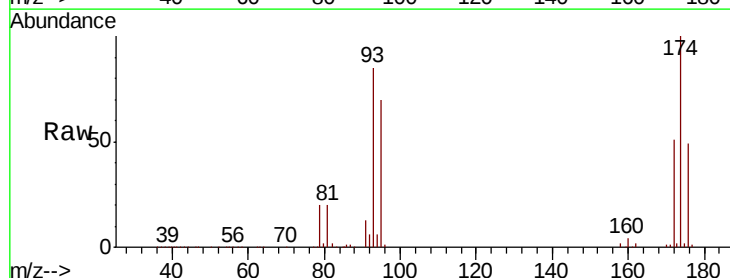
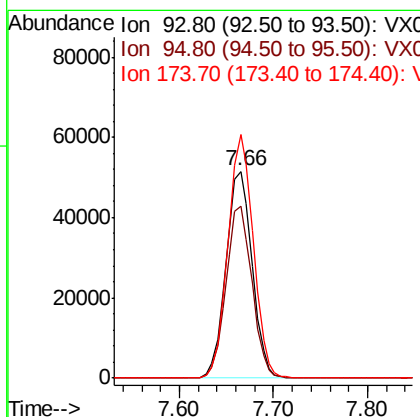
Manual Integrations
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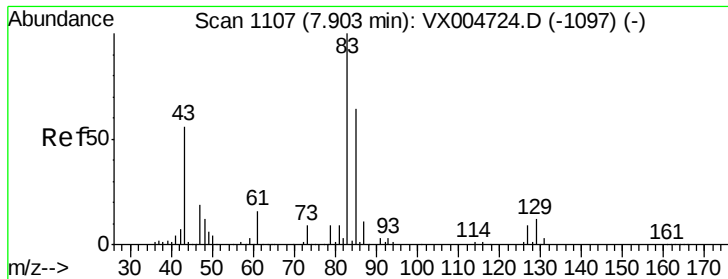
MMDadoda
 10/4/2018 7:07:53 PM



#46
 Dibromomethane
 Concen: 53.822 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VX004882.D
 Acq: 01 Oct 2018 20:23

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.7	65.5	98.3
174	114.8	94.2	141.4





#47

Bromodichloromethane

Concen: 55.371 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Instrument :

MSVOA_X

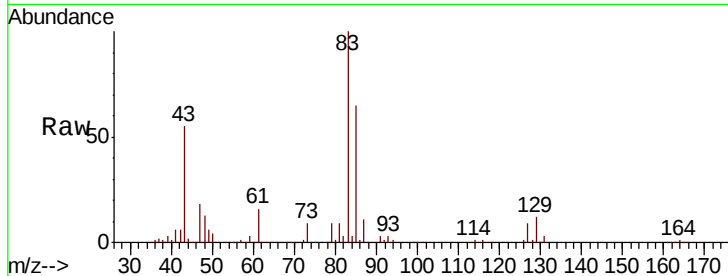
ClientSampleId :

SA-TW502-0913MSD

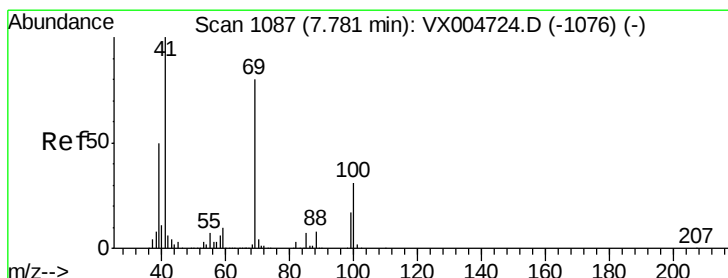
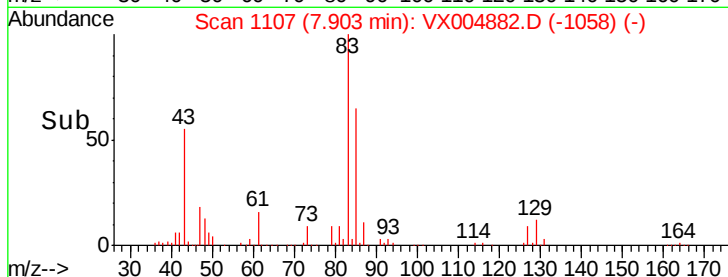
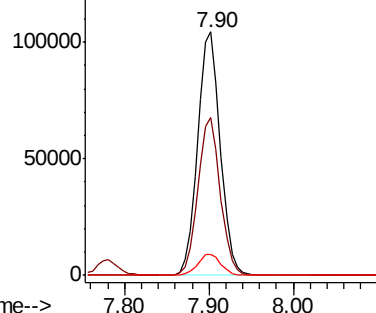
Tot Ion:	83	Resp:	190929
Ion Ratio	Lower	Upper	
83	100		
85	64.7	50.9	76.3
127	8.8	7.3	10.9

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 59.487 ug/l

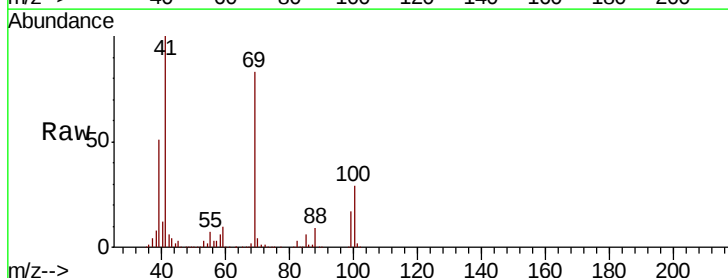
RT: 7.78 min Scan# 1087

Delta R.T. 0.00 min

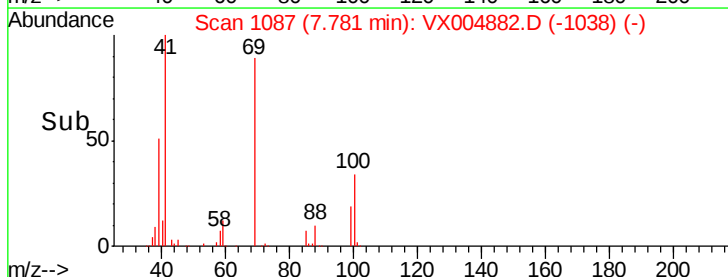
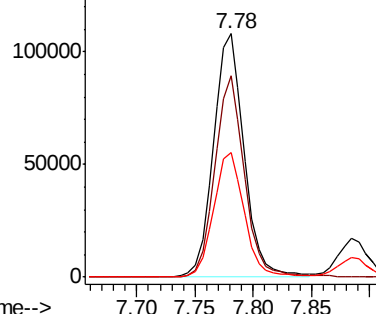
Lab File: VX004882.D

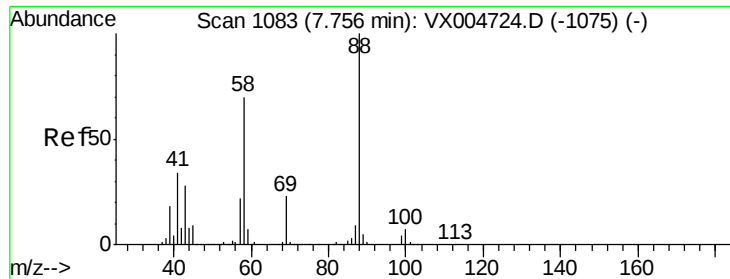
Acq: 01 Oct 2018 20:23

Tgt Ion:	41	Resp:	197454
Ion Ratio	Lower	Upper	
41	100		
69	80.3	70.2	105.4
39	51.4	42.7	64.1



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





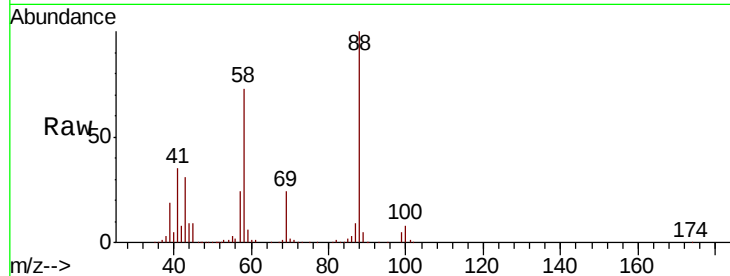
#49
1,4-Dioxane
Concen: 1122.463 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.00 min
Lab File: VX004882.D
Acq: 01 Oct 2018 20:23

Instrument :
MSVOA_X
ClientSampleId :
SA-TW502-0913MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.4	24.7	37.1
58	73.4	55.3	82.9

Manual Integrations
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MMDadoda
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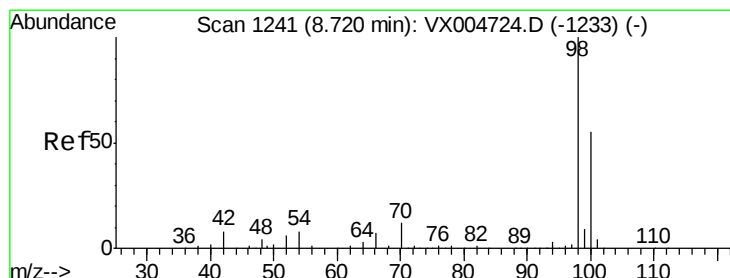
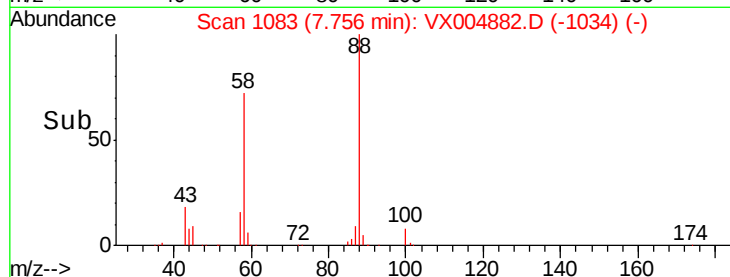
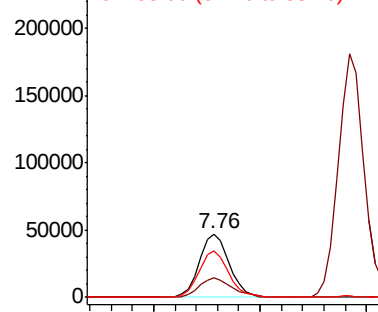


Abundance

Ion 88.00 (87.70 to 88.70): VX0

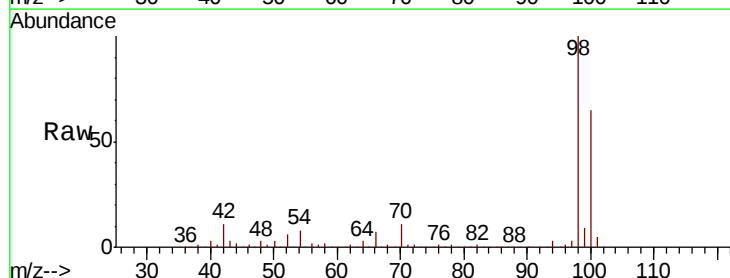
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 53.645 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX004882.D
Acq: 01 Oct 2018 20:23

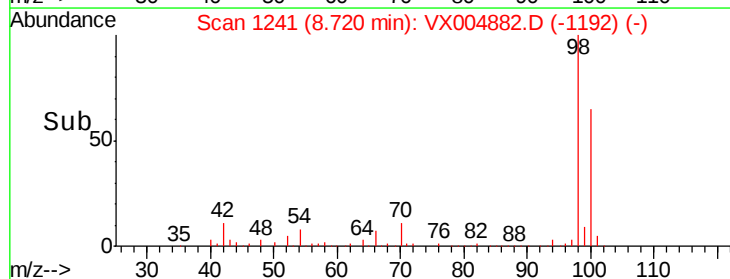
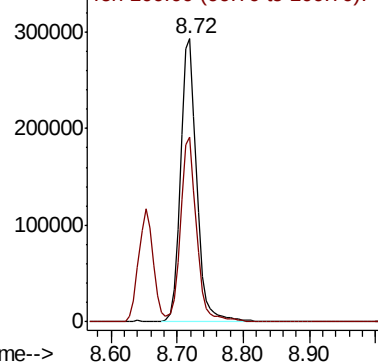
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.9	79.3

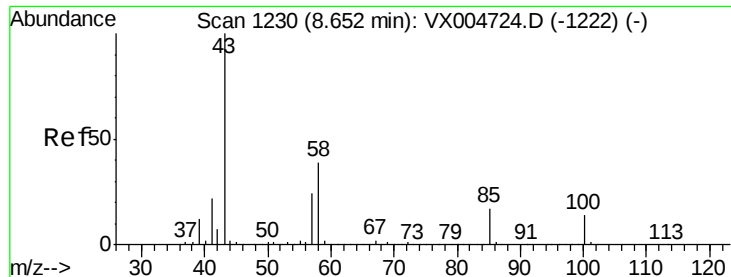


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





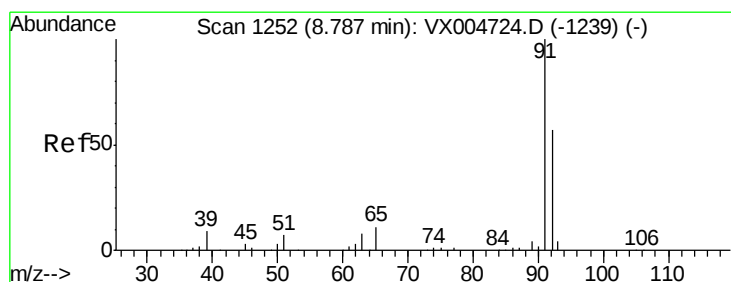
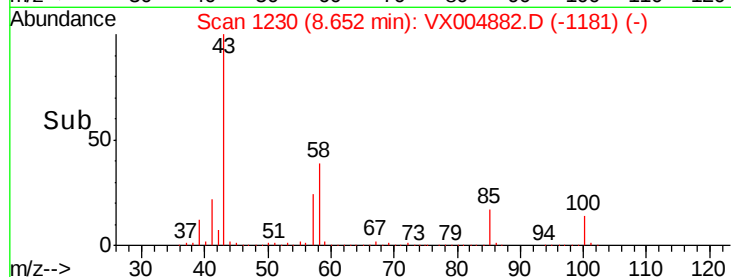
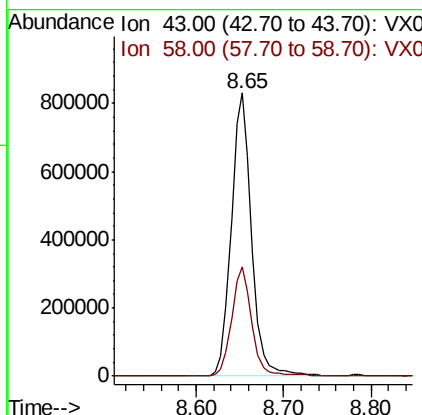
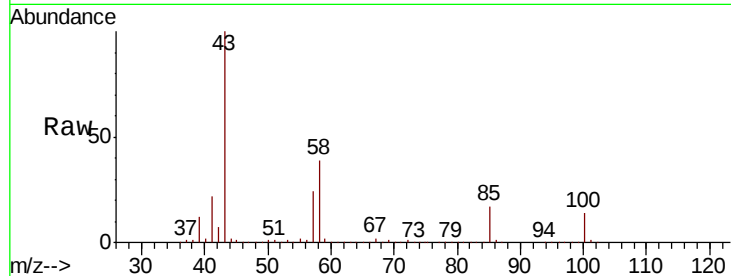
#51
4-Methyl-2-Pentanone
Concen: 291.909 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VX004882.D
Acq: 01 Oct 2018 20:23

Instrument :
MSVOA_X
ClientSampleId :
SA-TW502-0913MSD

Tot Ion: 43 Resp: 1344139
Ion Ratio Lower Upper
43 100
58 38.5 33.1 49.7

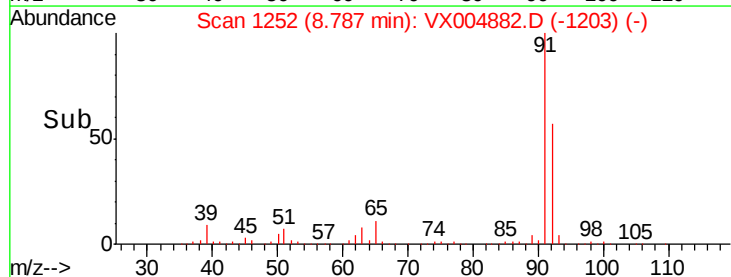
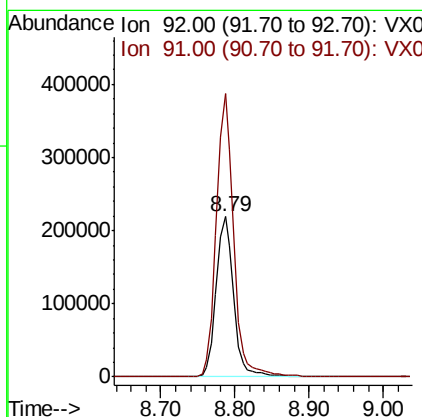
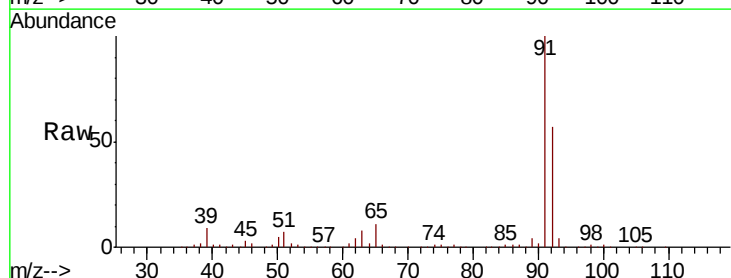
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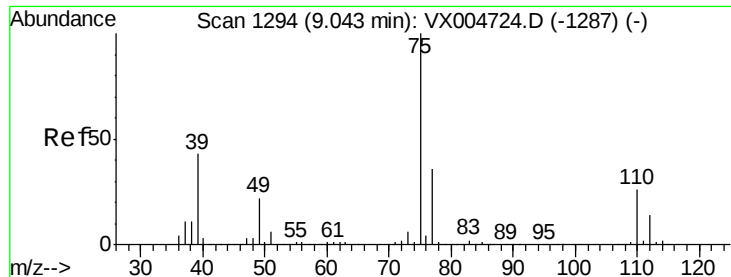
MMDadoda
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#52
Toluene
Concen: 53.989 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX004882.D
Acq: 01 Oct 2018 20:23

Tgt Ion: 92 Resp: 354509
Ion Ratio Lower Upper
92 100
91 174.7 136.4 204.6





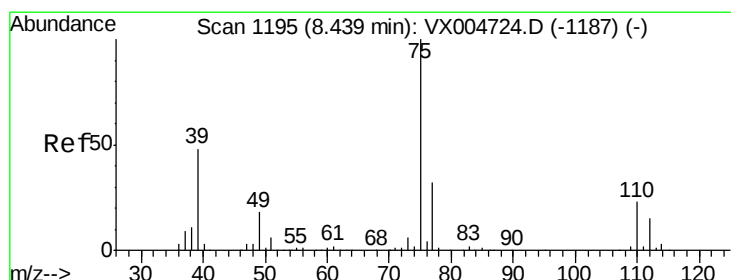
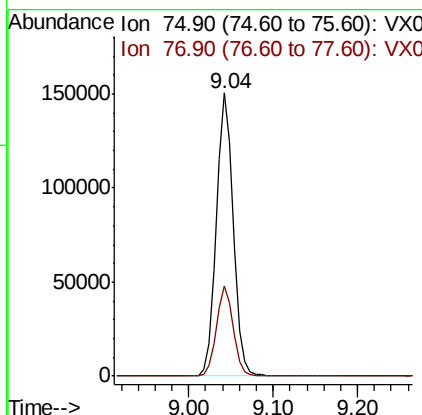
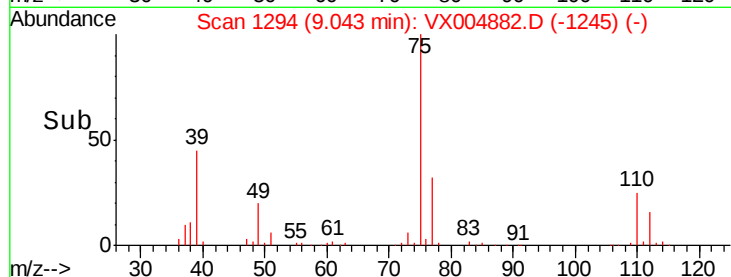
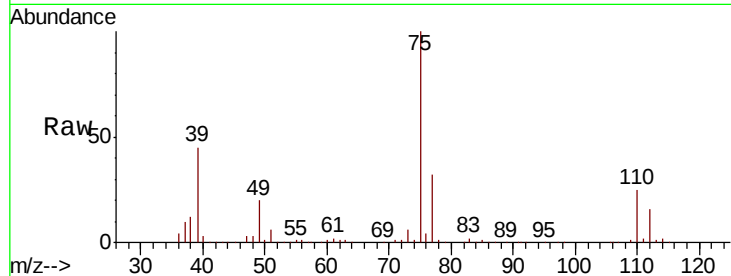
#53
t-1,3-Dichloropropene
Concen: 54.124 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX004882.D
Acq: 01 Oct 2018 20:23

Instrument :
MSVOA_X
ClientSampleId :
SA-TW502-0913MSD

Tot Ion: 75 Resp: 210899
Ion Ratio Lower Upper
75 100
77 31.9 24.6 37.0

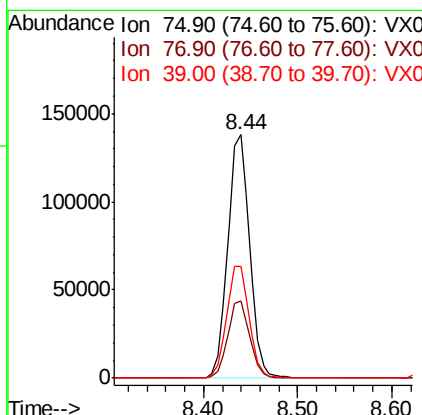
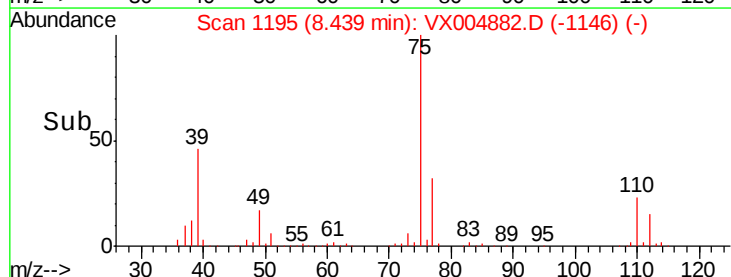
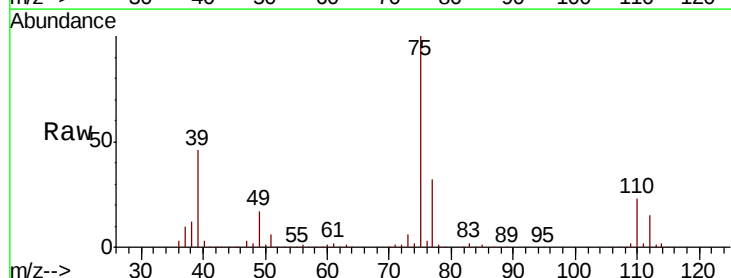
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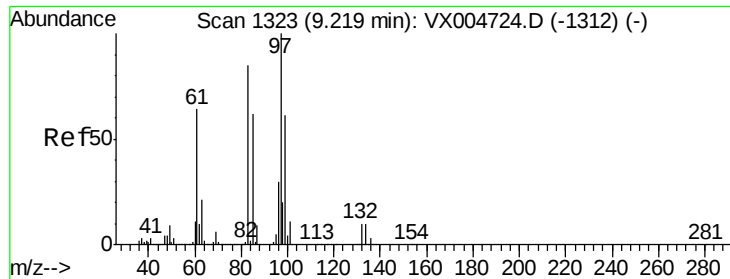
MMDadoda
10/4/2018 7:07:53 PM



#54
cis-1,3-Dichloropropene
Concen: 54.598 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.00 min
Lab File: VX004882.D
Acq: 01 Oct 2018 20:23

Tgt Ion: 75 Resp: 222834
Ion Ratio Lower Upper
75 100
77 31.9 26.2 39.2
39 45.9 36.4 54.6





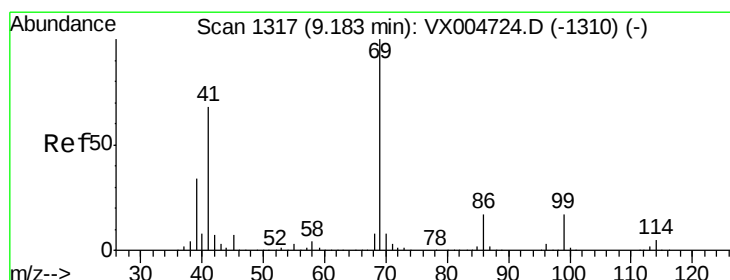
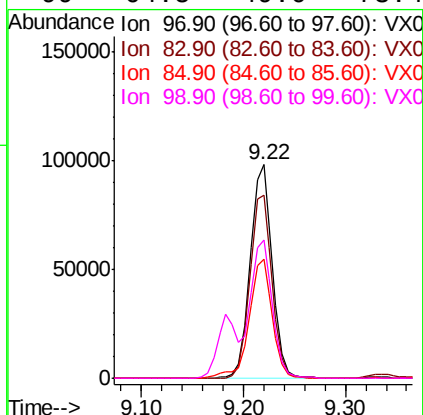
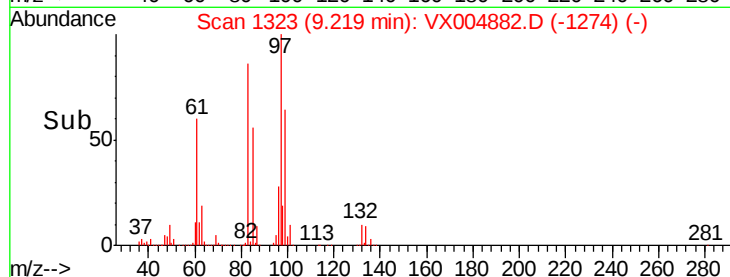
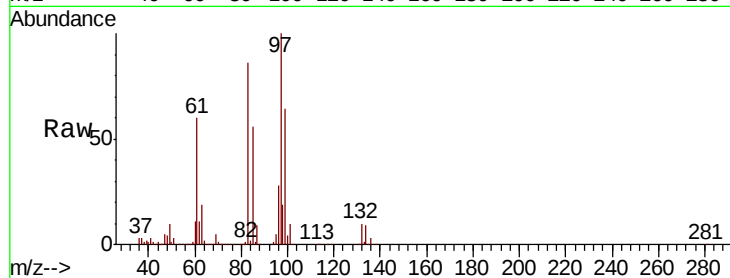
#55
 1,1,2-Trichloroethane
 Concen: 51.363 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VX004882.D
 Acq: 01 Oct 2018 20:23

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW502-0913MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100				
83	85.8	66.4	99.6		
85	56.0	43.3	64.9		
99	64.5	49.0	73.4		

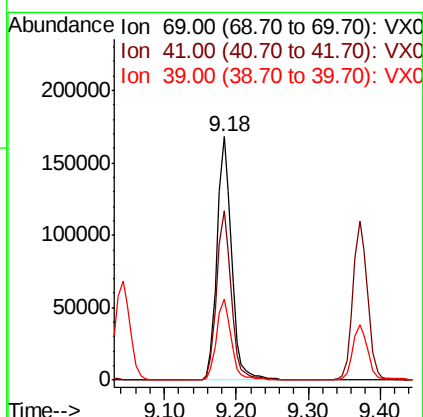
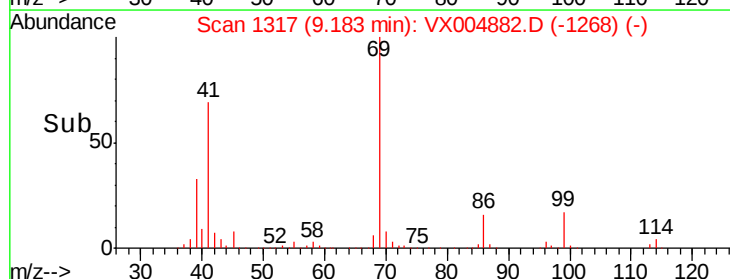
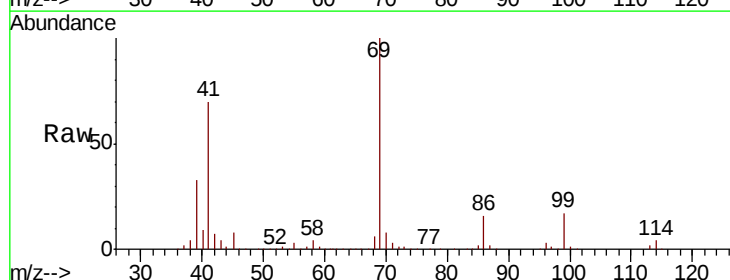
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 50.353 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX004882.D
 Acq: 01 Oct 2018 20:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	69.9	51.0	76.4		
39	33.7	26.1	39.1		





#57

1,3-Dichloropropane

Concen: 51.715 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Instrument :

MSVOA_X

ClientSampleId :

SA-TW502-0913MSD

Tot Ion: 76 Resp: 247561

Ion Ratio Lower Upper

76 100

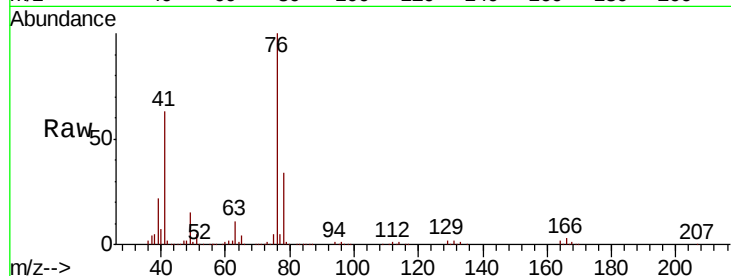
78 32.7 25.5 38.3

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

200000

150000

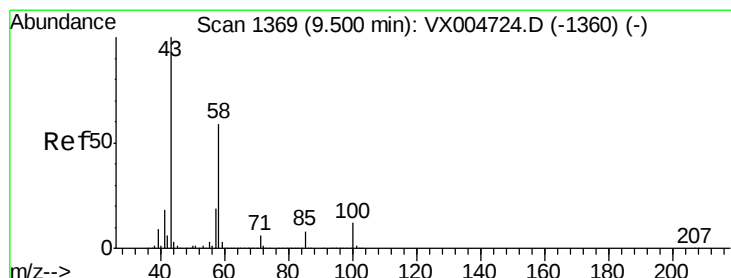
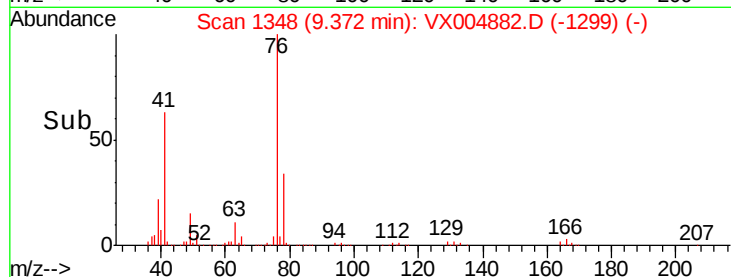
100000

50000

0

9.30 9.35 9.40 9.45 9.50

Time-->



#59

2-Hexanone

Concen: 279.812 ug/l

RT: 9.50 min Scan# 1369

Delta R.T. 0.00 min

Lab File: VX004882.D

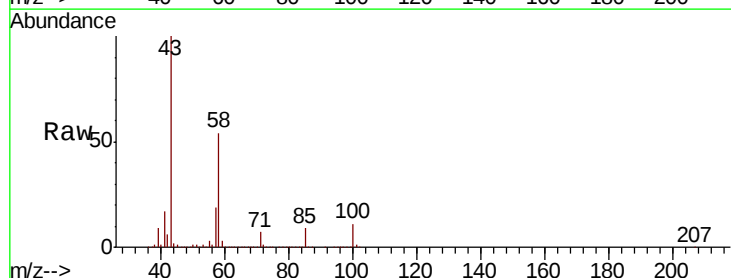
Acq: 01 Oct 2018 20:23

Tgt Ion: 43 Resp: 1073676

Ion Ratio Lower Upper

43 100

58 53.4 29.0 87.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

800000

600000

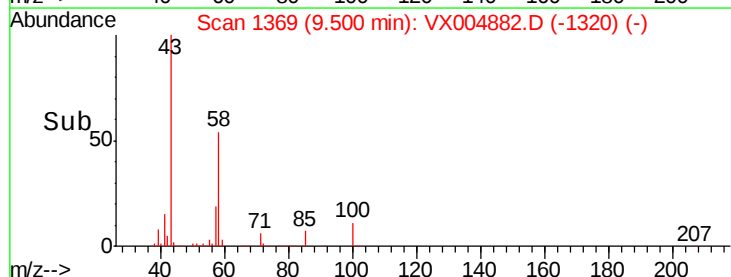
400000

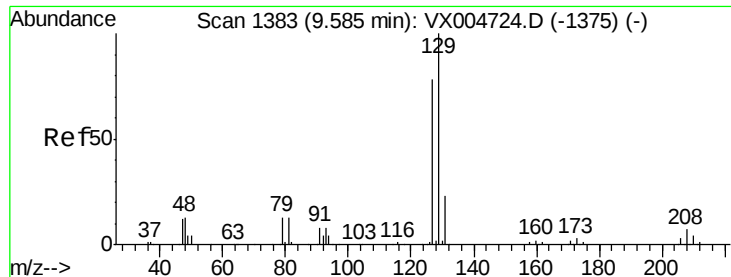
200000

0

9.40 9.50 9.60

Time-->





#60

Dibromochloromethane

Concen: 53.855 ug/l

RT: 9.59 min Scan# 1383

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Instrument :

MSVOA_X

ClientSampleId :

SA-TW502-0913MSD

Tot Ion:129 Resp: 154914

Ion Ratio Lower Upper

129 100

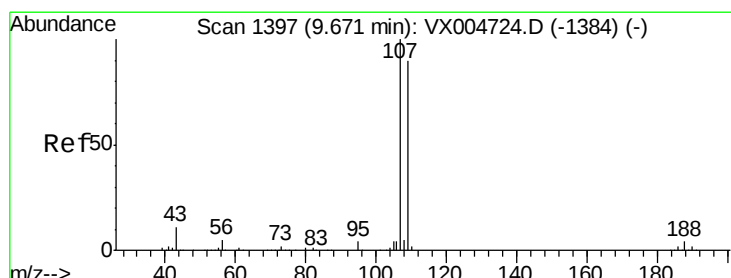
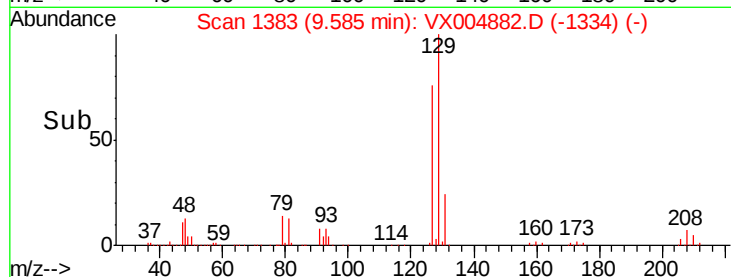
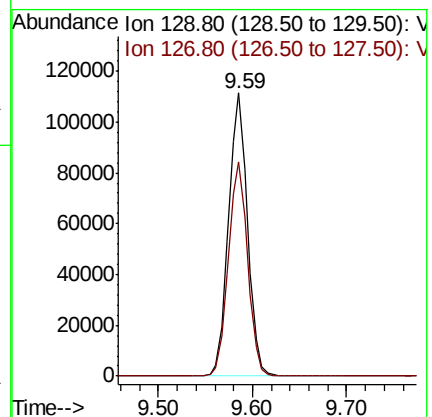
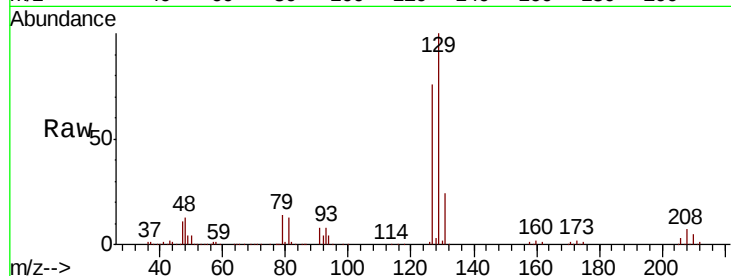
127 77.0 38.5 115.5

Manual Integrations

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10/4/2018 7:07:53 PM



#61

1,2-Dibromoethane

Concen: 49.892 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX004882.D

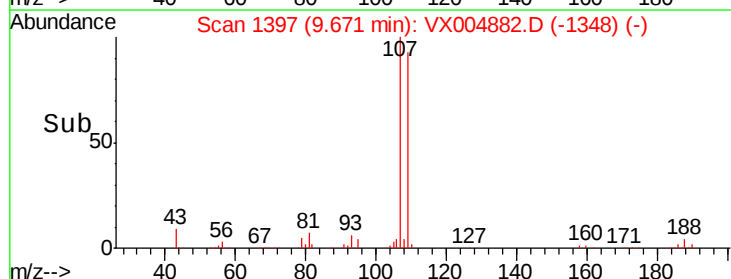
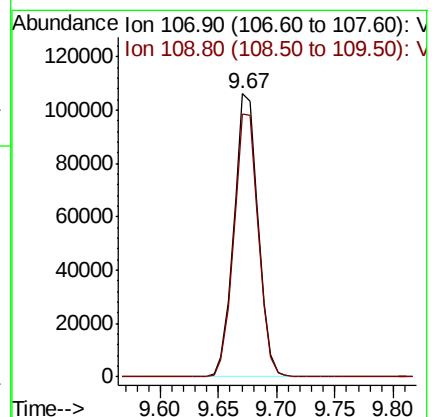
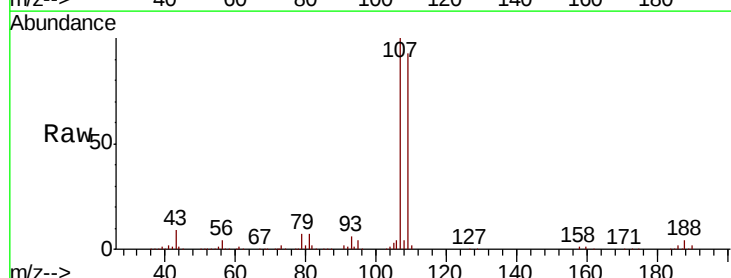
Acq: 01 Oct 2018 20:23

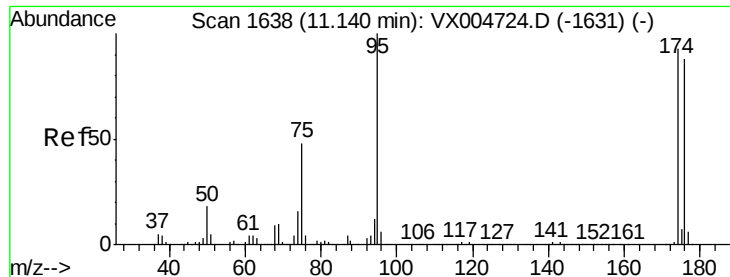
Tgt Ion:107 Resp: 153684

Ion Ratio Lower Upper

107 100

109 94.3 76.0 114.0





#62

4-Bromofluorobenzene

Concen: 55.501 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Instrument :

MSVOA_X

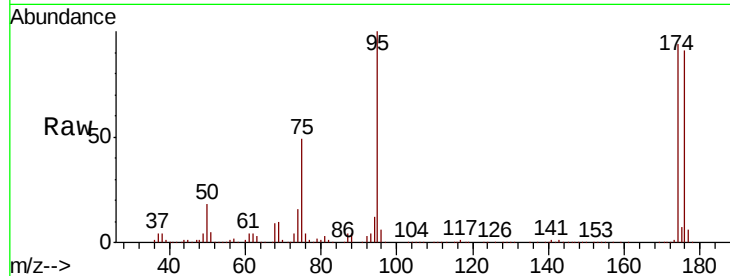
ClientSampleId :

SA-TW502-0913MSD

Tot Ion:	95	Resp:	185964
Ion Ratio	Lower	Upper	
95	100		
174	90.3	0.0	185.2
176	87.8	0.0	178.6

Manual Integrations
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Abundance Ion 94.90 (94.60 to 95.60): VX004724.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX004724.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX004724.D (-1631) (-)

11.14

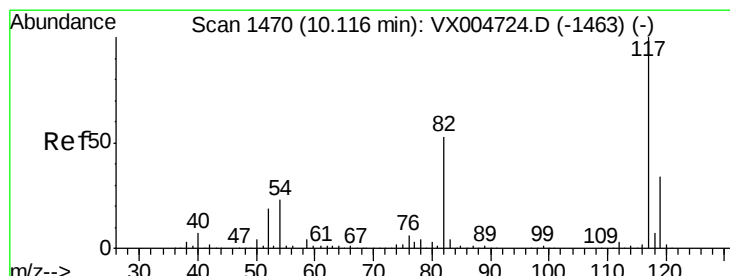
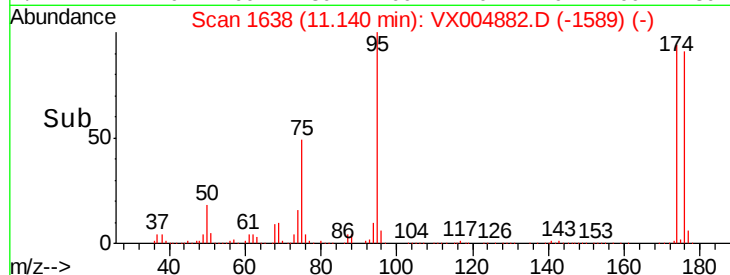
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

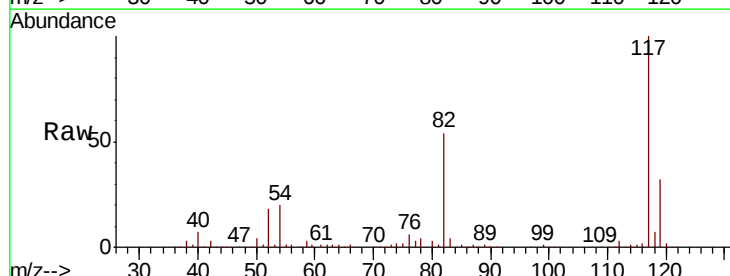
RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Tgt Ion:	117	Resp:	316007
Ion Ratio	Lower	Upper	
117	100		
82	54.2	47.8	71.6
119	32.0	29.3	43.9



Abundance Ion 116.90 (116.60 to 117.60): VX004724.D (-1463) (-)

Ion 82.00 (81.70 to 82.70): VX004724.D (-1463) (-)

Ion 118.90 (118.60 to 119.60): VX004724.D (-1463) (-)

10.12

300000

250000

200000

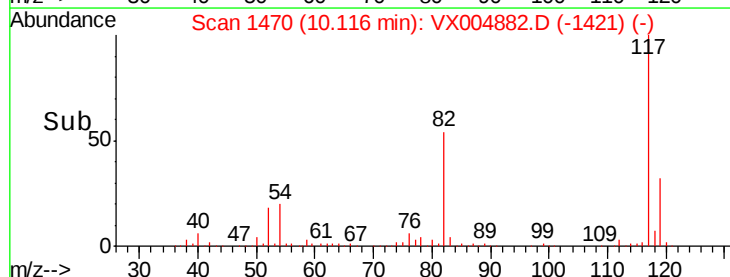
150000

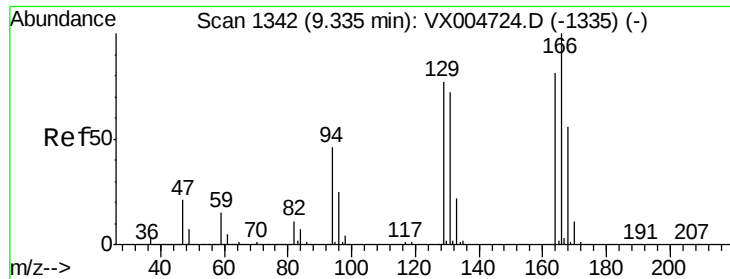
100000

50000

0

Time-->





#64

Tetrachloroethene

Concen: 45.407 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Instrument :

MSVOA_X

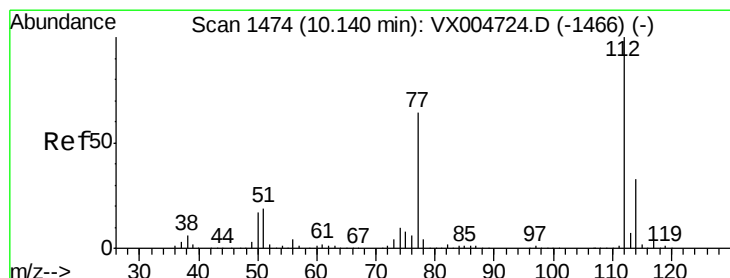
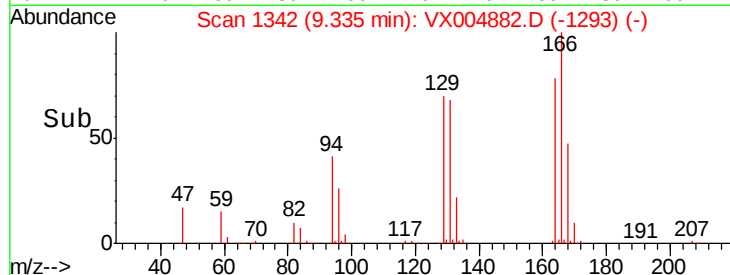
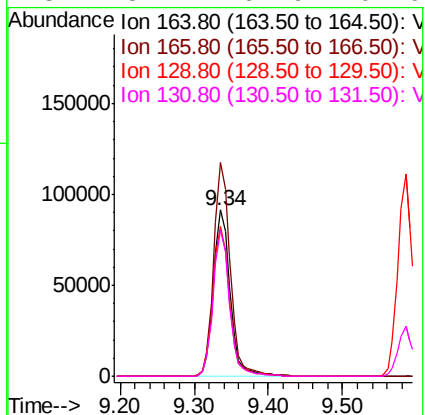
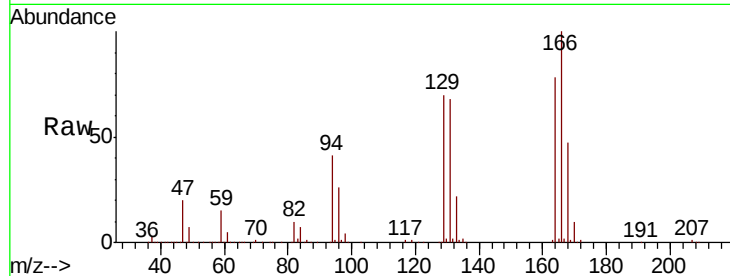
ClientSampleId :

SA-TW502-0913MSD

Tot Ion	Ratio	Lower	Upper
164	100		
166	128.5	102.8	154.2
129	90.2	69.4	104.0
131	87.7	67.9	101.9

Manual Integrations
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#65

Chlorobenzene

Concen: 49.273 ug/l

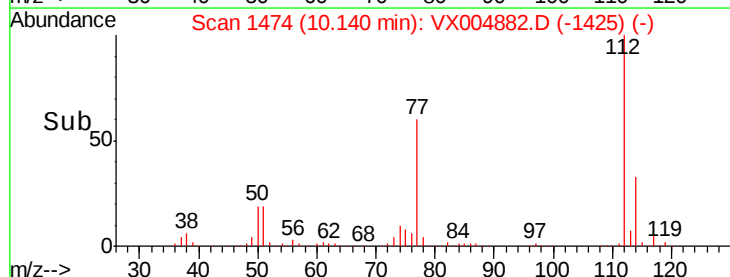
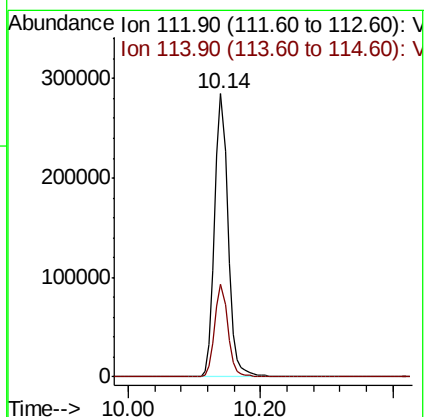
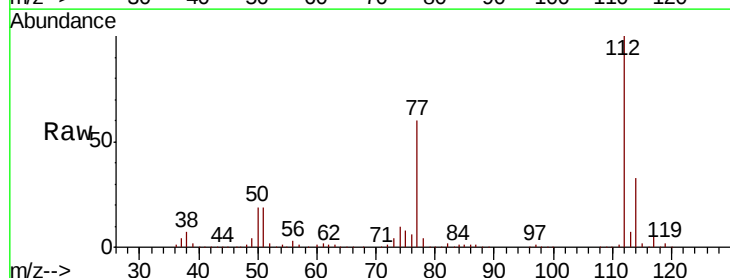
RT: 10.14 min Scan# 1474

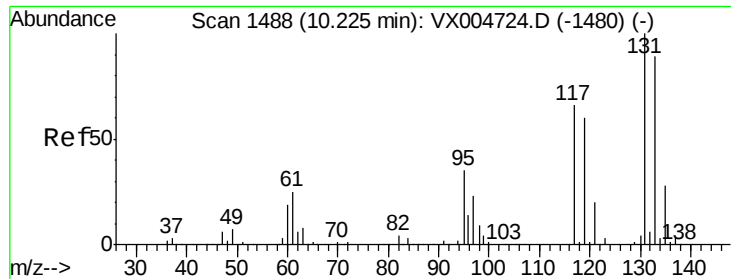
Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.6	27.8	41.8





#66

1,1,1,2-Tetrachloroethane

Concen: 50.375 ug/l

RT: 10.23 min Scan# 1488

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Instrument :

MSVOA_X

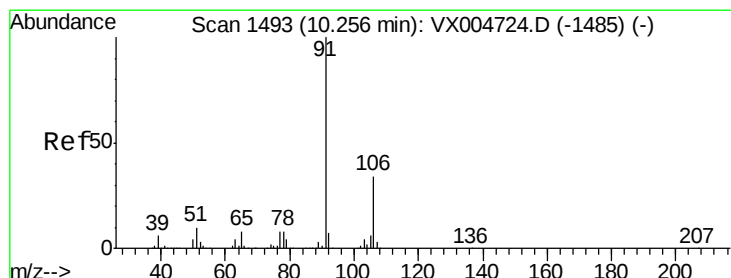
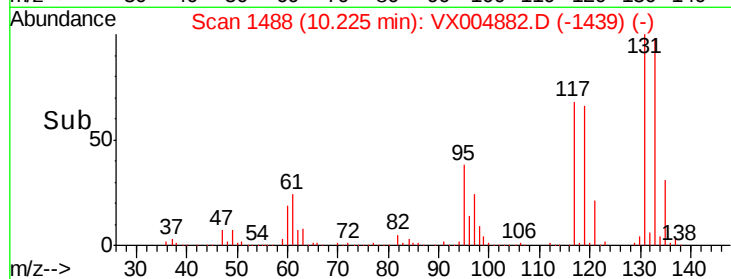
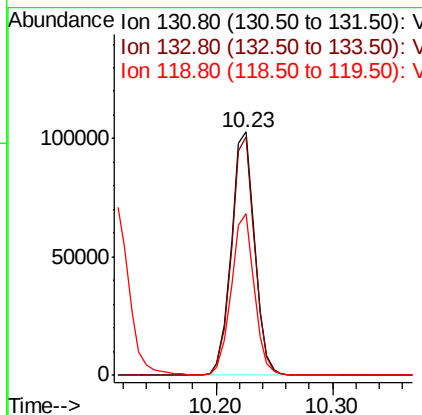
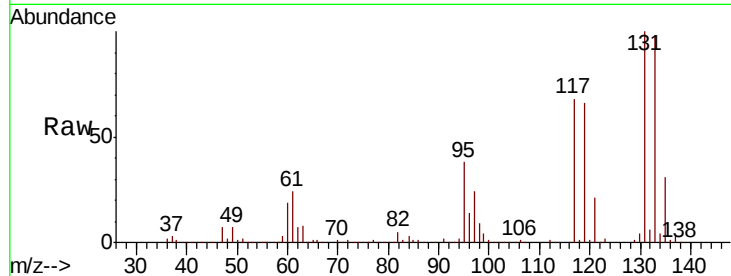
ClientSampleId :

SA-TW502-0913MSD

Tot Ion:	131	Resp:	143507
Ion Ratio	Lower	Upper	
131	100		
133	96.8	48.1	144.4
119	65.7	32.9	98.6

Manual Integrations
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#67

Ethyl Benzene

Concen: 52.575 ug/l

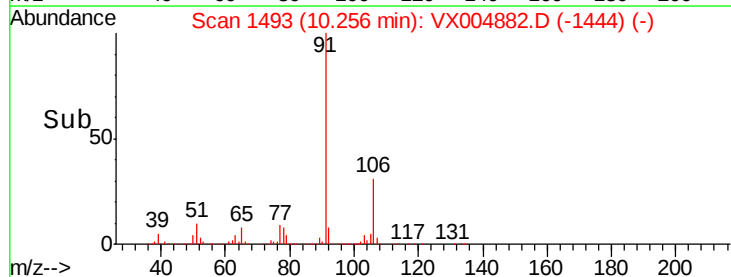
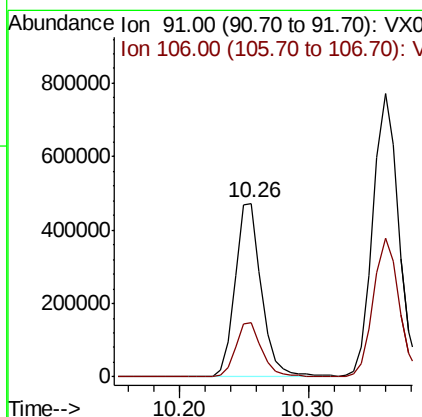
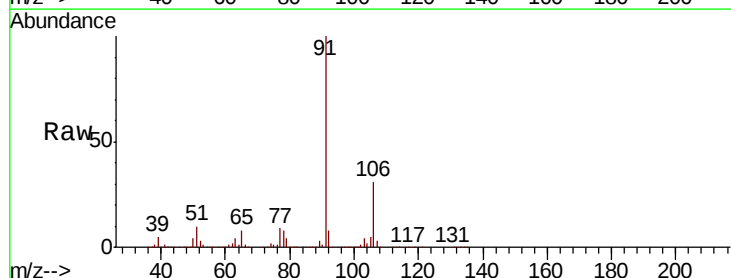
RT: 10.26 min Scan# 1493

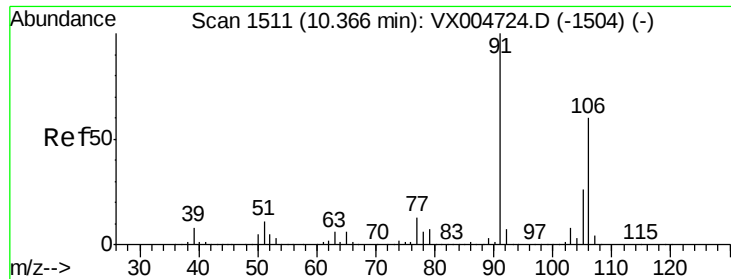
Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Tgt Ion:	91	Resp:	676384
Ion Ratio	Lower	Upper	
91	100		
106	31.3	25.9	38.9





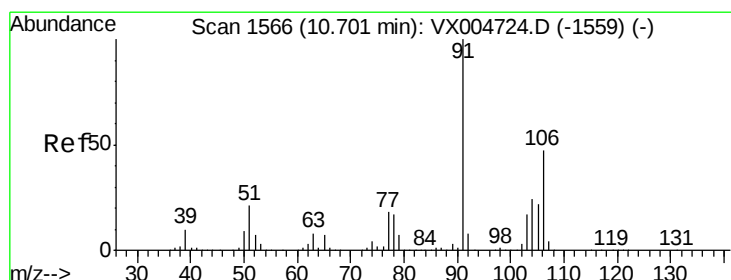
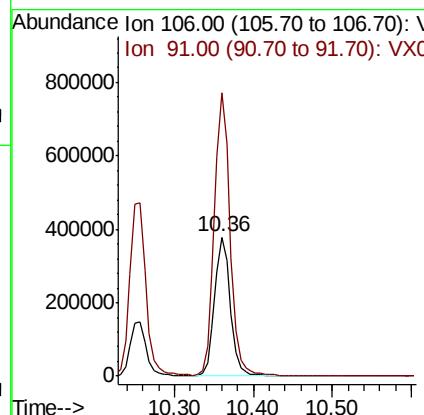
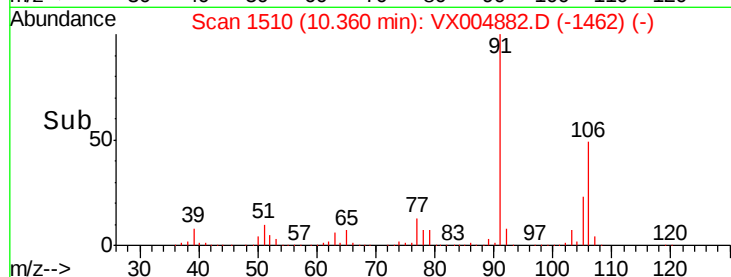
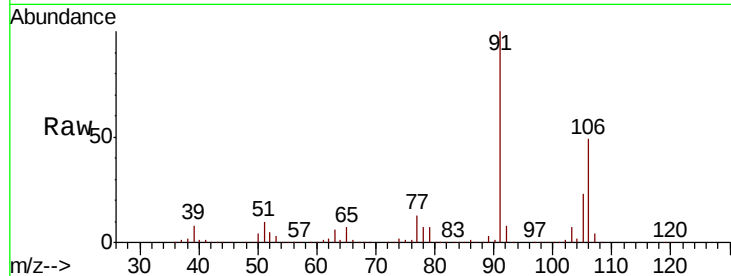
#68
m/p-Xvlenes
Concen: 105.182 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.01 min
Lab File: VX004882.D
Acq: 01 Oct 2018 20:23

Instrument :
MSVOA_X
ClientSampleId :
SA-TW502-0913MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		528780		
91	203.7	157.1	235.7		

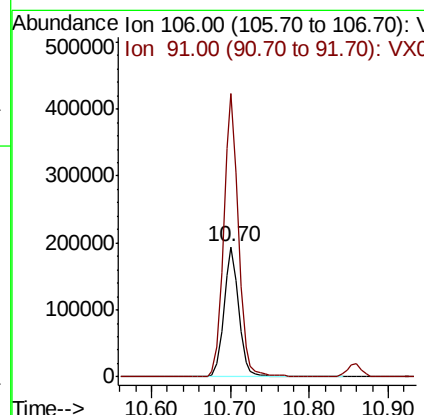
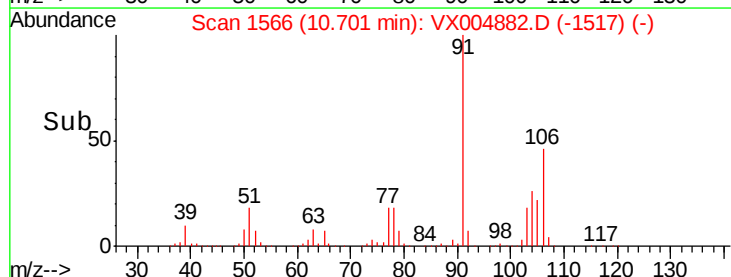
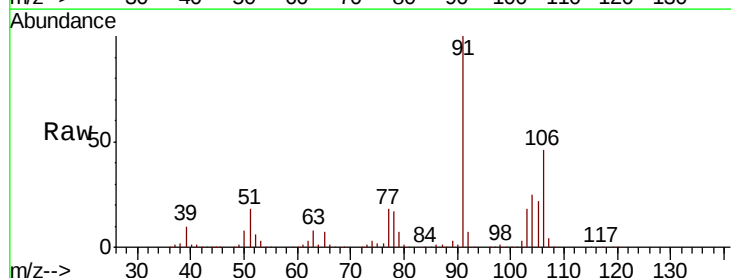
Manual Integrations
APPROVED

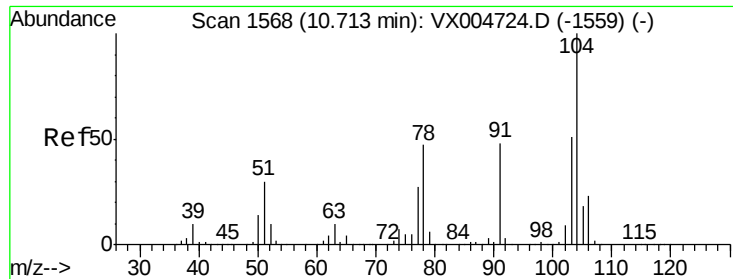
MMDadoda
10/4/2018 7:07:53 PM



#69
o-Xylene
Concen: 55.030 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX004882.D
Acq: 01 Oct 2018 20:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		254104		
91	216.6	105.1	315.1		





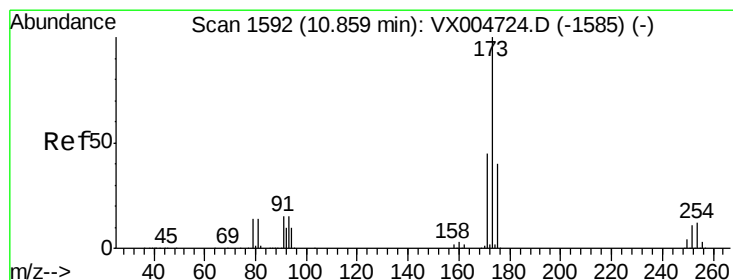
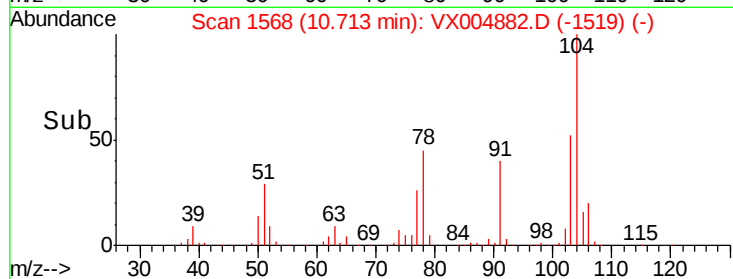
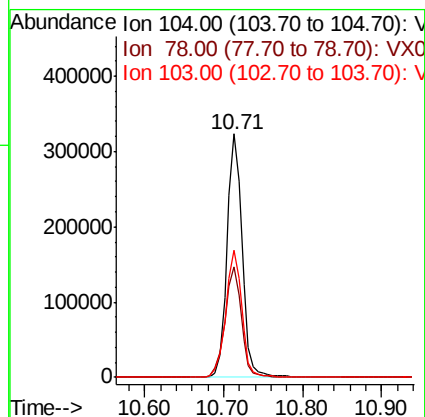
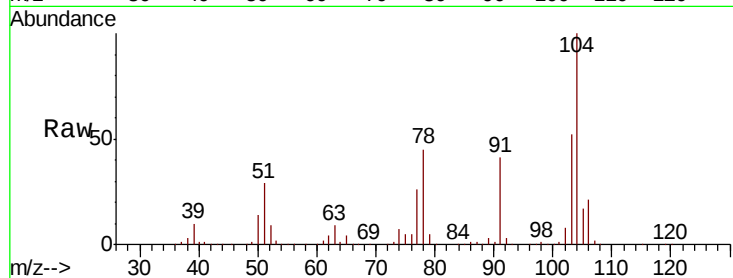
#70
Stvrene
Concen: 49.864 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004882.D
Acq: 01 Oct 2018 20:23

Instrument :
MSVOA_X
ClientSampleId :
SA-TW502-0913MSD

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.7	37.4	56.0
103	55.7	43.8	65.6

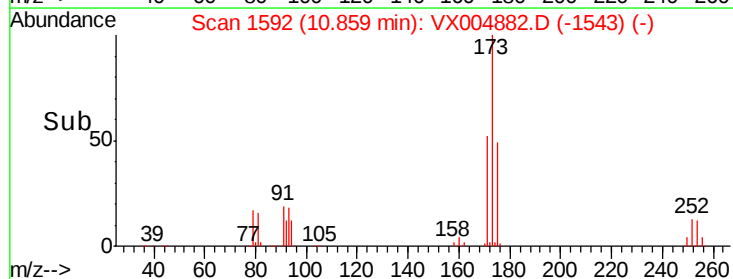
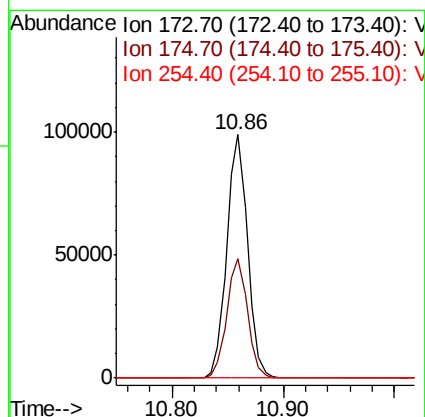
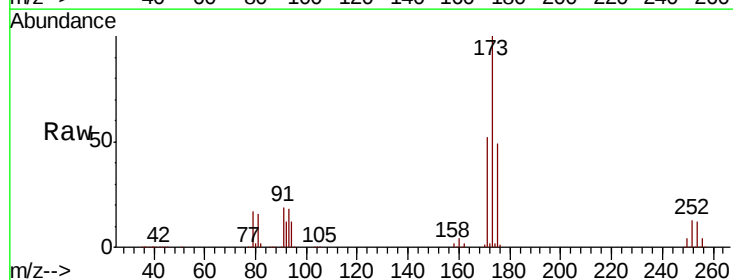
Manual Integrations
APPROVED

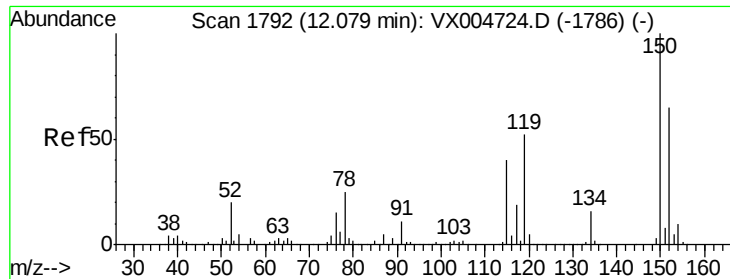
MMDadoda
10/4/2018 7:07:53 PM



#71
Bromoform
Concen: 52.361 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX004882.D
Acq: 01 Oct 2018 20:23

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.1	72.3
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: VX004882.D

Acq: 01 Oct 2018 20:23

Instrument :

MSVOA_X

ClientSampleId :

SA-TW502-0913MSD

Tot Ion:152 Resp: 195795

Ion Ratio Lower Upper

152 100

115 79.4 39.0 117.0

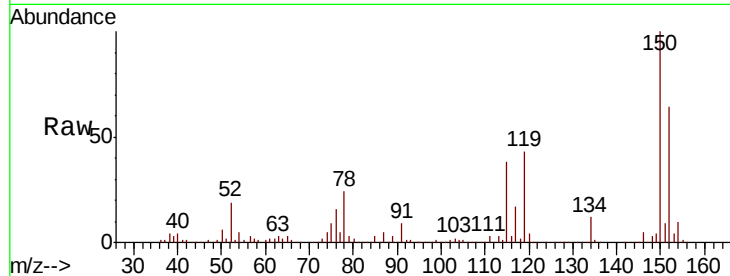
150 174.5 0.0 351.0

Manual Integrations

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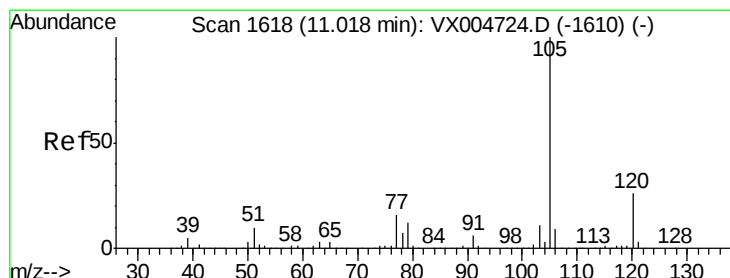
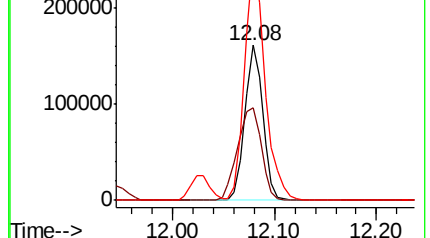
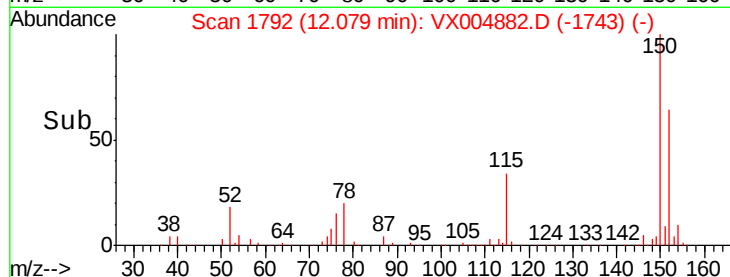
10/4/2018 7:07:53 PM



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: 55.149 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX004882.D

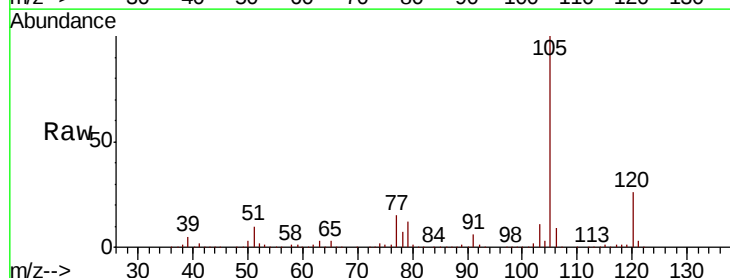
Acq: 01 Oct 2018 20:23

Tgt Ion:105 Resp: 680606

Ion Ratio Lower Upper

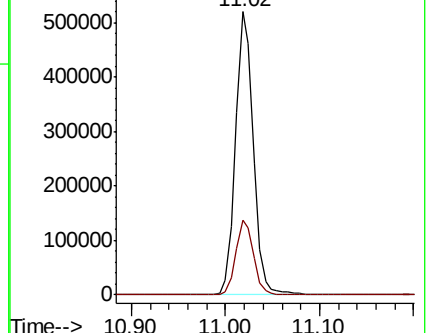
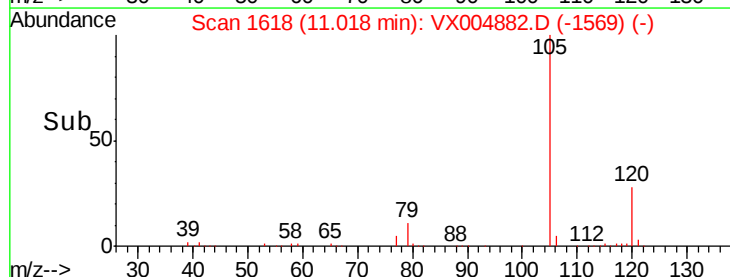
105 100

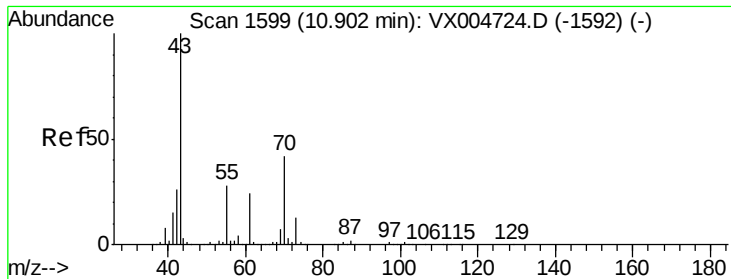
120 26.6 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 46.847 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Instrument :

MSVOA_X

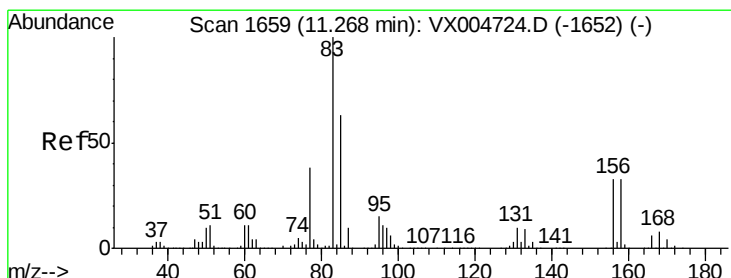
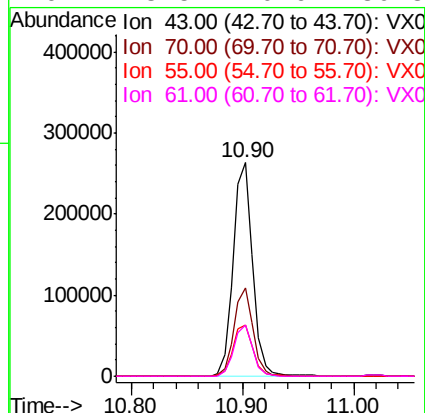
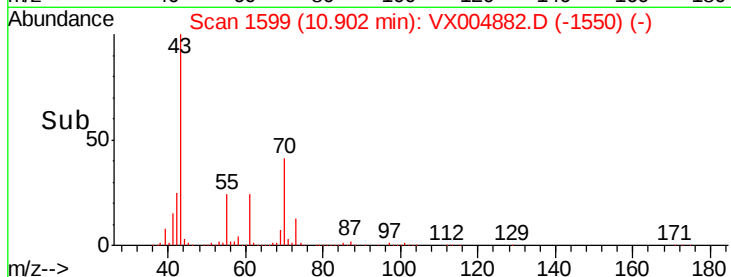
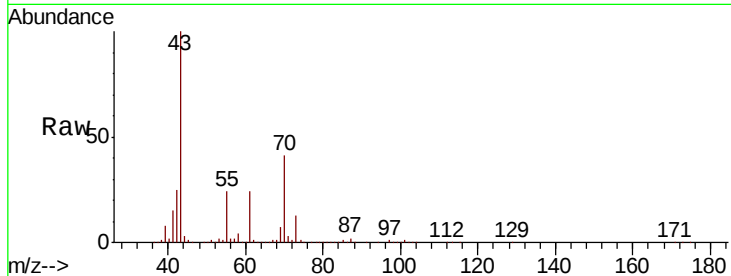
ClientSampleId :

SA-TW502-0913MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		316998		
70	40.7	37.4	56.0		
55	25.0	21.8	32.8		
61	23.5	20.6	30.8		

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 49.730 ug/l

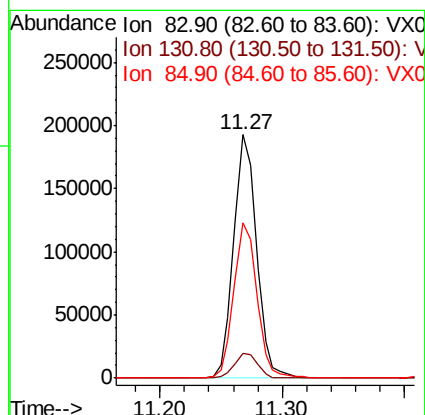
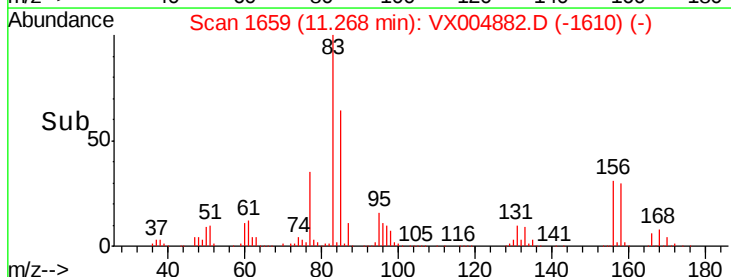
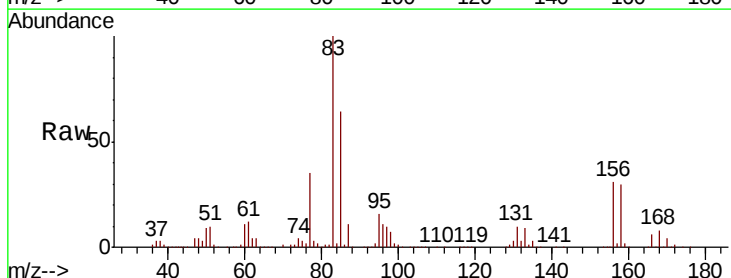
RT: 11.27 min Scan# 1659

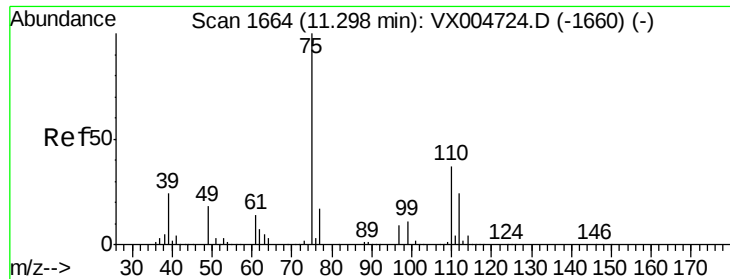
Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		249827		
131	10.4	5.2	15.6		
85	64.5	32.3	96.8		





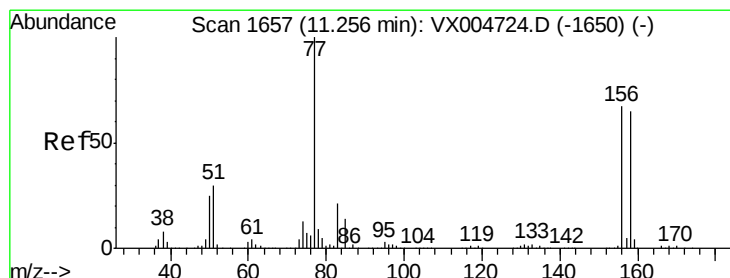
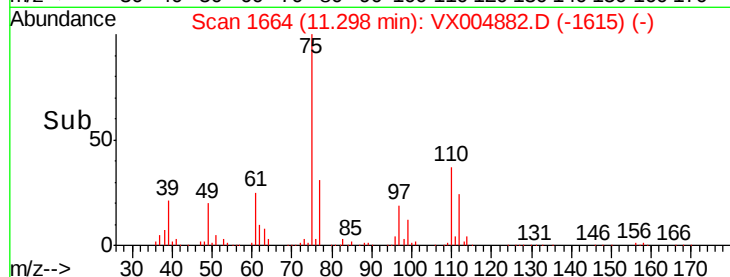
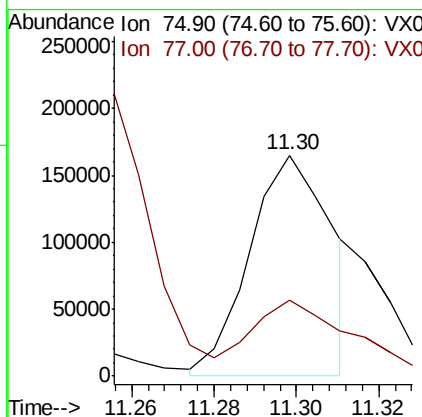
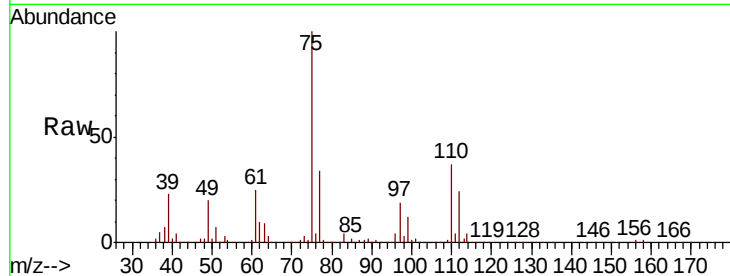
#76
1,2,3-Trichloropropane
Concen: 51.758 ug/l m
RT: 11.30 min Scan# 1664
Delta R.T. 0.00 min
Lab File: VX004882.D
Acq: 01 Oct 2018 20:23

Instrument :
MSVOA_X
ClientSampleId :
SA-TW502-0913MSD

Tot Ion: 75 Resp: 227139
Ion Ratio Lower Upper
75 100
77 42.2 20.2 60.6

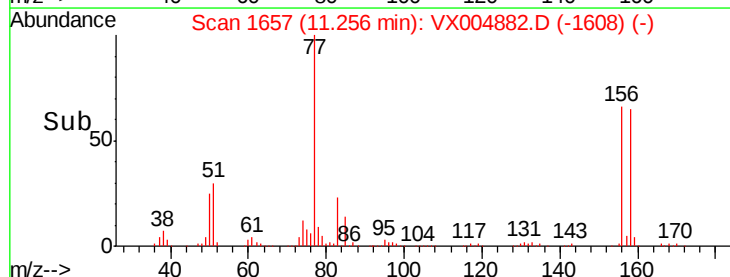
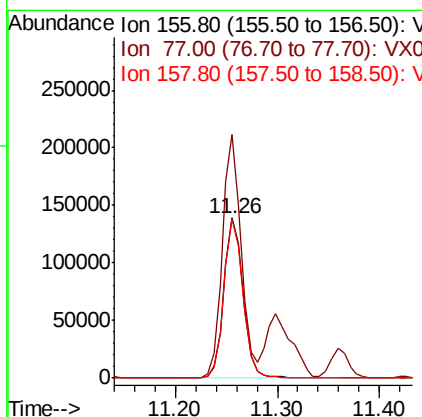
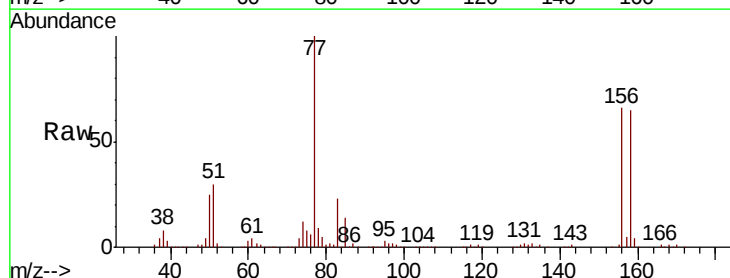
Manual Integrations
APPROVED

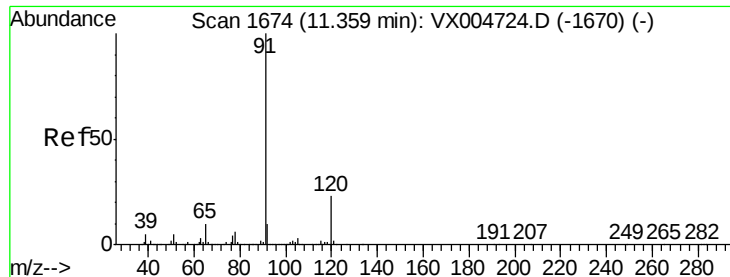
MMDadoda
10/4/2018 7:07:53 PM



#77
Bromobenzene
Concen: 51.197 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VX004882.D
Acq: 01 Oct 2018 20:23

Tgt Ion: 156 Resp: 183522
Ion Ratio Lower Upper
156 100
77 148.3 71.5 214.3
158 98.3 48.9 146.8





#78

n-propylbenzene

Concen: 55.372 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Instrument :

MSVOA_X

ClientSampleId :

SA-TW502-0913MSD

Tot Ion: 91 Resp: 784079

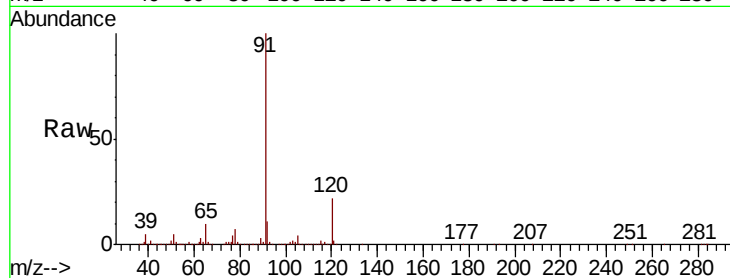
Ion Ratio Lower Upper

91 100

120 23.5 11.9 35.9

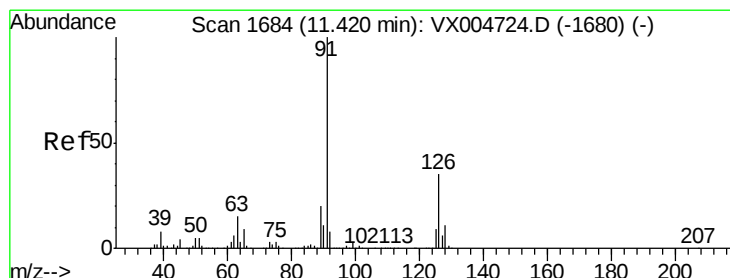
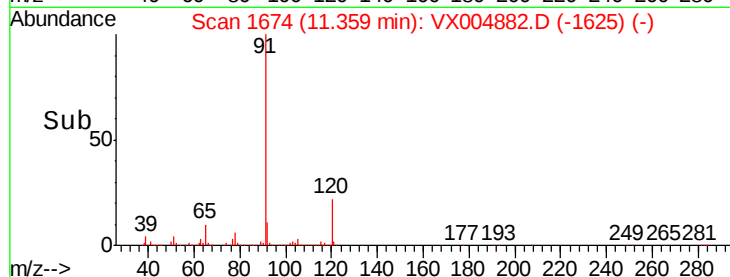
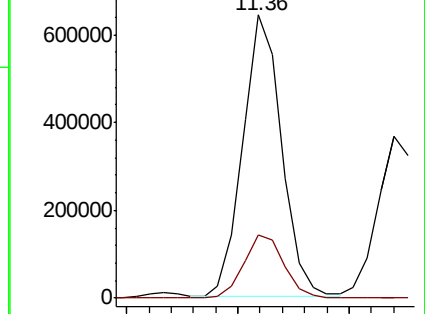
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 53.177 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX004882.D

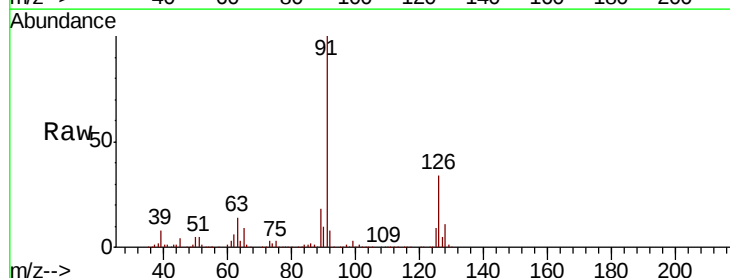
Acq: 01 Oct 2018 20:23

Tgt Ion: 91 Resp: 469352

Ion Ratio Lower Upper

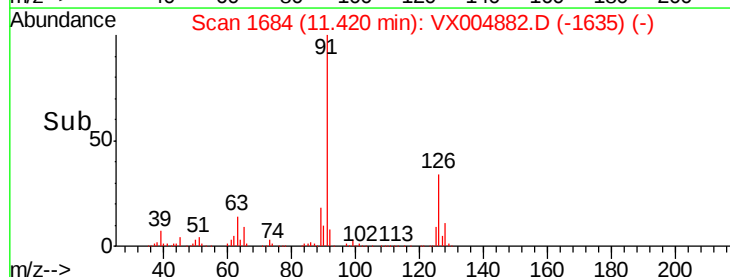
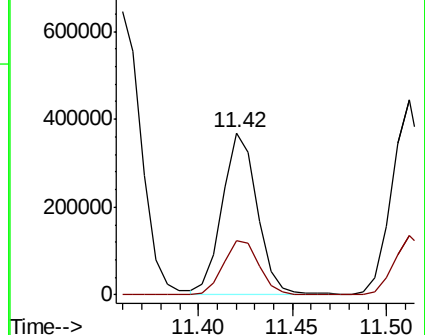
91 100

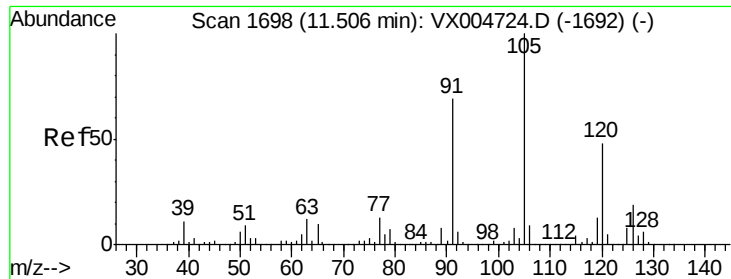
126 35.1 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





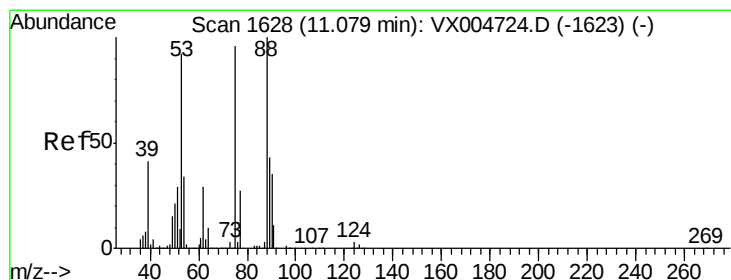
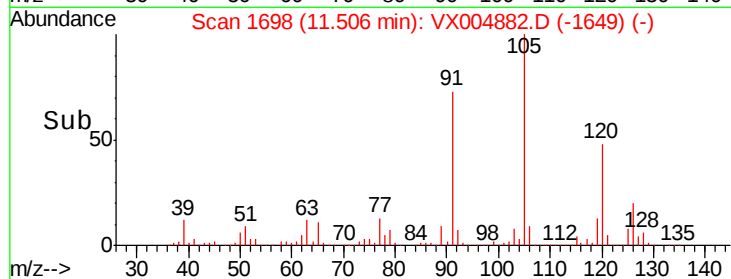
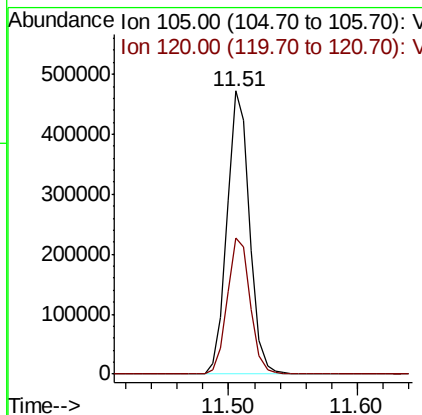
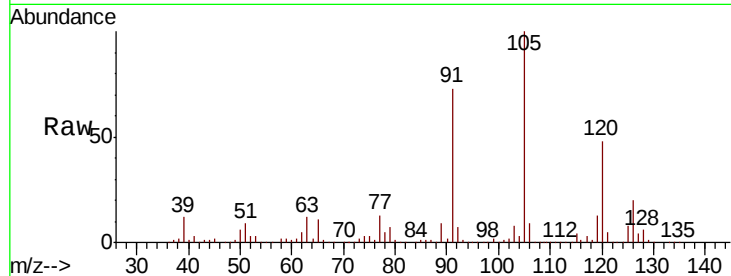
#80
 1,3,5-Trimethylbenzene
 Concen: 51.213 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX004882.D
 Acq: 01 Oct 2018 20:23

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW502-0913MSD

Tot Ion: 105 Resp: 579228
 Ion Ratio Lower Upper
 105 100
 120 49.1 25.6 76.8

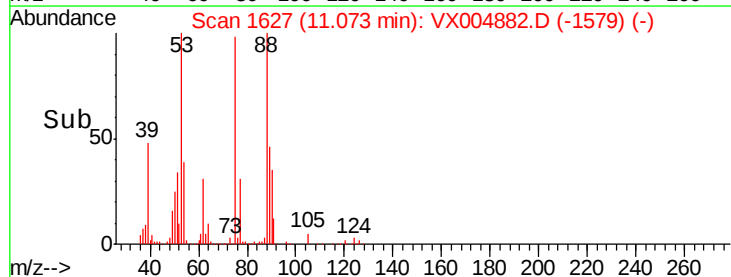
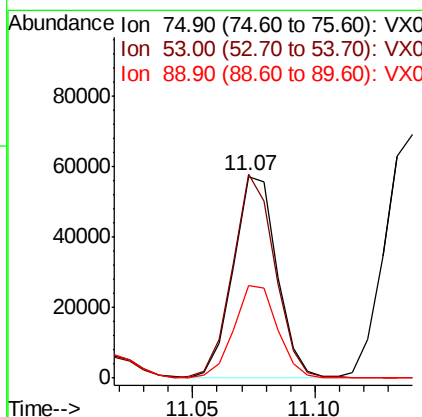
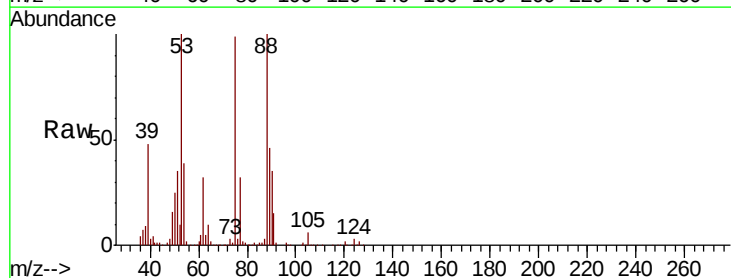
Manual Integrations
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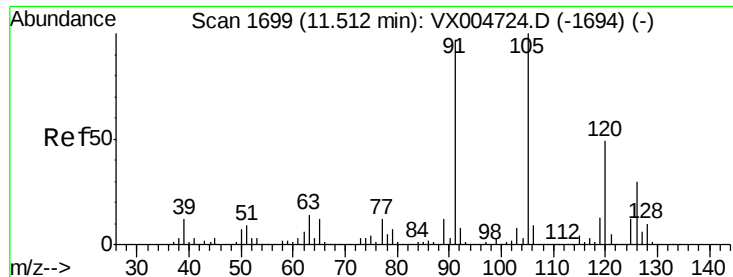
MMDadoda
 10/4/2018 7:07:53 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 44.003 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. -0.01 min
 Lab File: VX004882.D
 Acq: 01 Oct 2018 20:23

Tgt Ion: 75 Resp: 70404
 Ion Ratio Lower Upper
 75 100
 53 98.8 80.1 120.1
 89 46.3 37.2 55.8





#82

4-Chlorotoluene

Concen: 53.574 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Instrument :

MSVOA_X

ClientSampleId :

SA-TW502-0913MSD

Tot Ion: 91 Resp: 556569

Ion Ratio Lower Upper

91 100

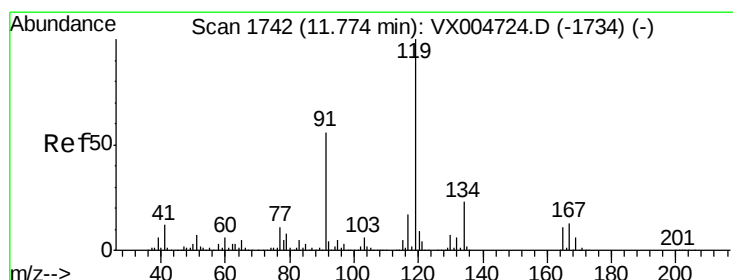
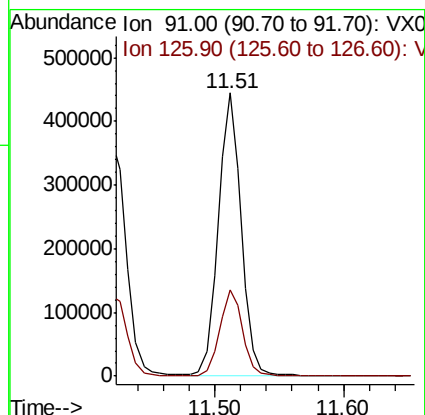
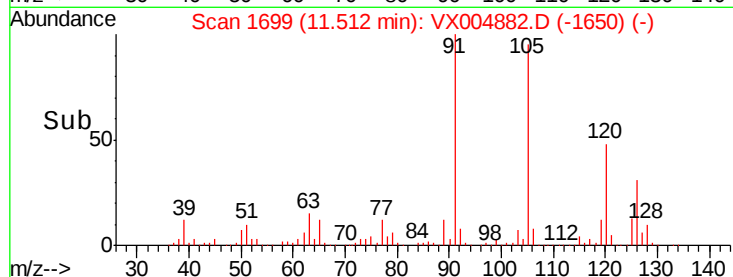
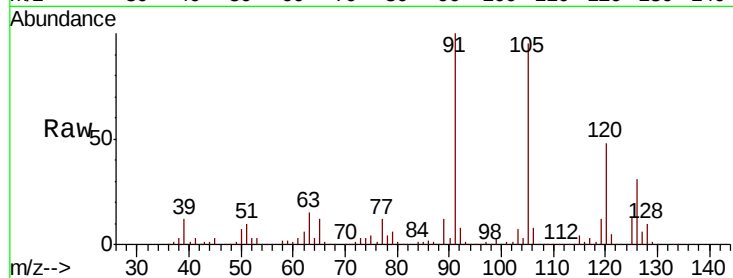
126 30.4 15.5 46.5

Manual Integrations

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#83

tert-Butylbenzene

Concen: 56.660 ug/l

RT: 11.77 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

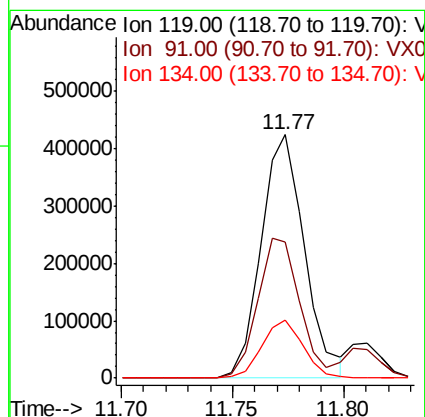
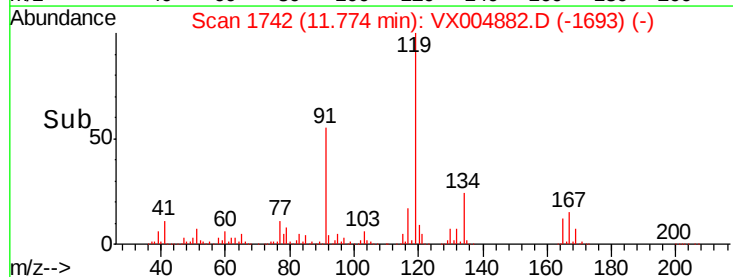
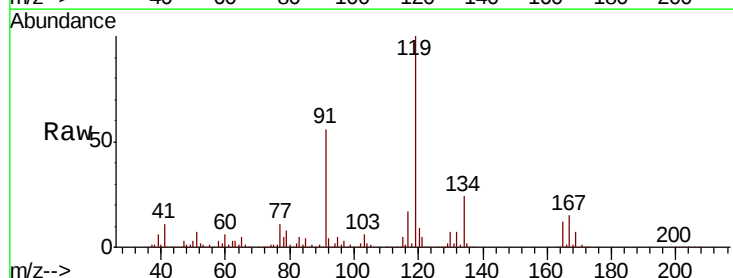
Tgt Ion: 119 Resp: 575722

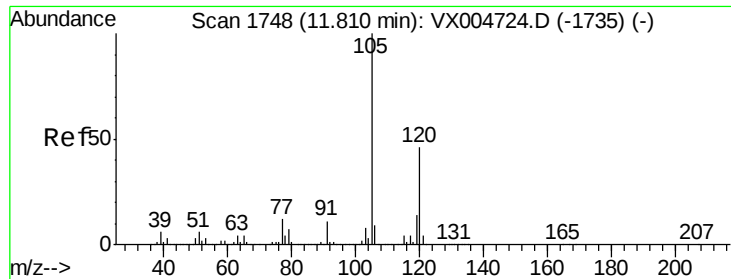
Ion Ratio Lower Upper

119 100

91 55.4 27.0 81.0

134 22.7 11.7 35.1





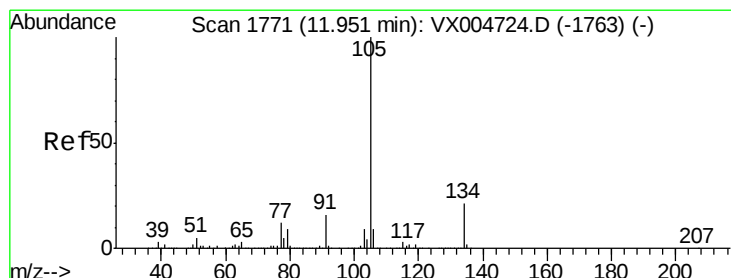
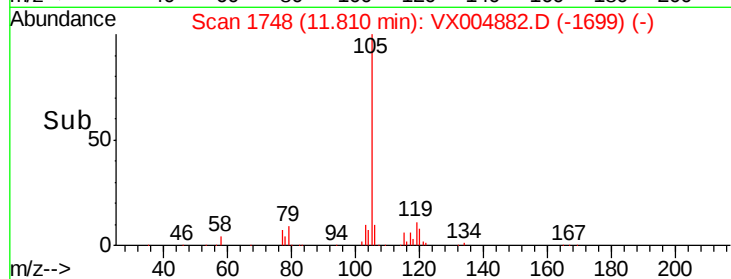
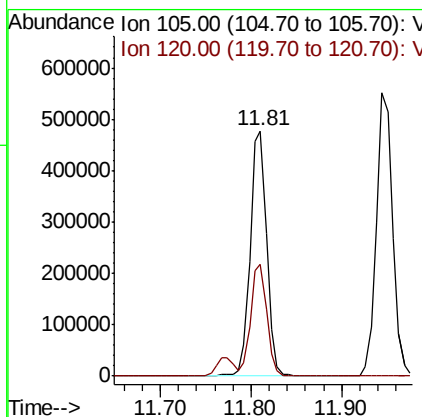
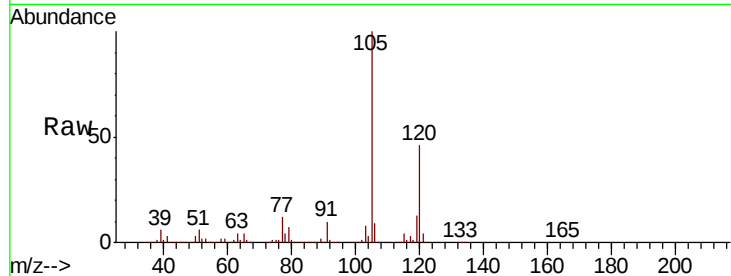
#84
 1,2,4-Trimethylbenzene
 Concen: 51.325 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX004882.D
 Acq: 01 Oct 2018 20:23

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW502-0913MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	44.9	23.2	69.6

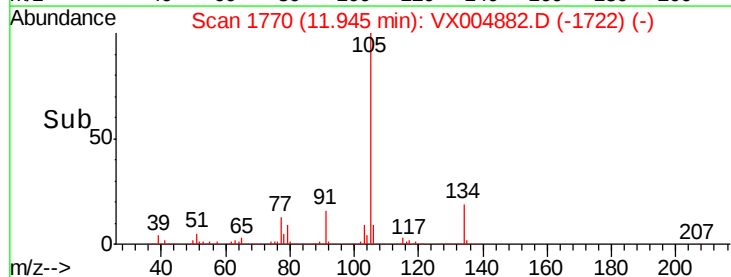
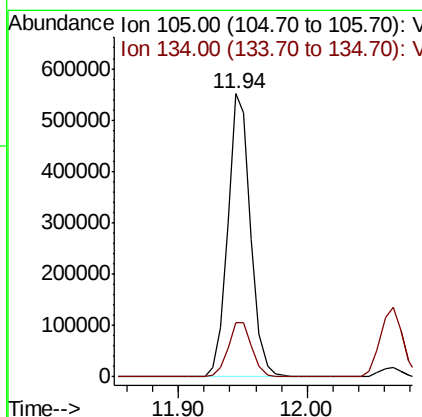
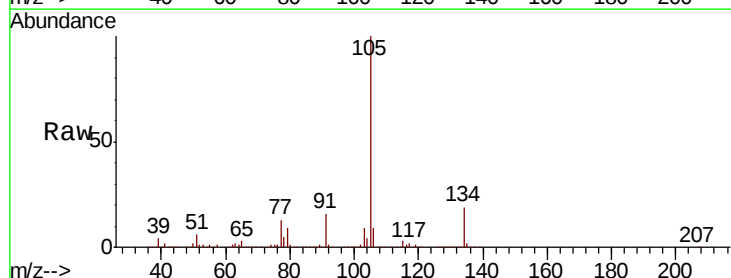
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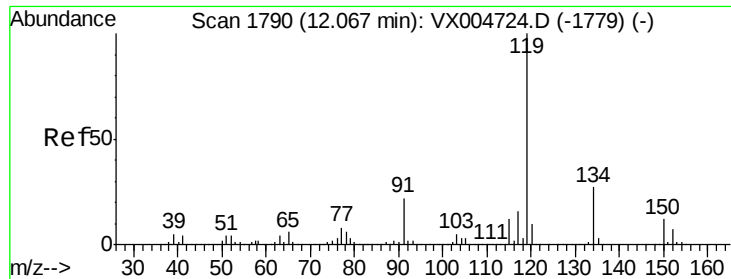
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 10/4/2018 7:07:53 PM



#85
 sec-Butylbenzene
 Concen: 55.216 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.01 min
 Lab File: VX004882.D
 Acq: 01 Oct 2018 20:23

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.5	31.5





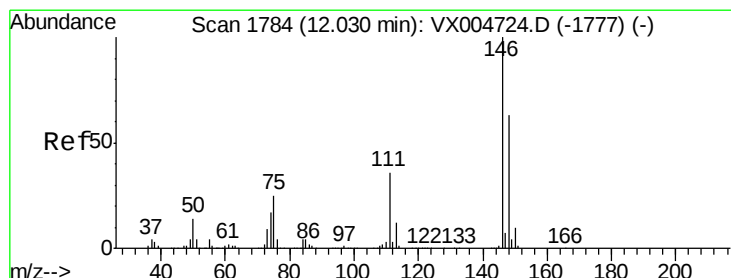
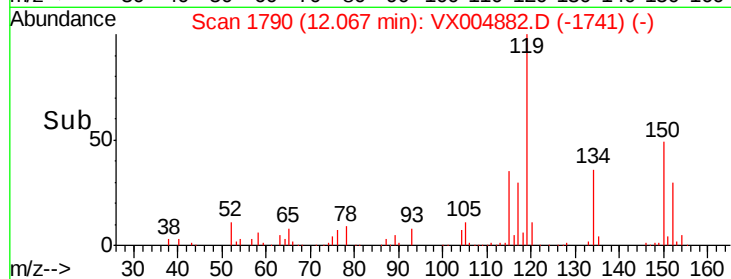
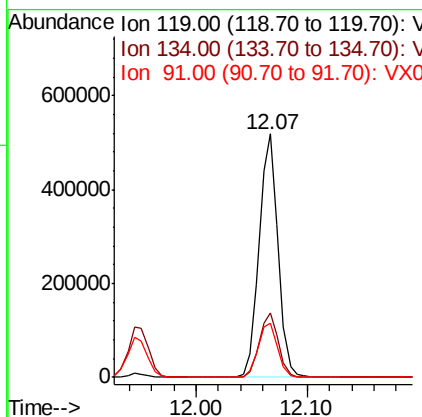
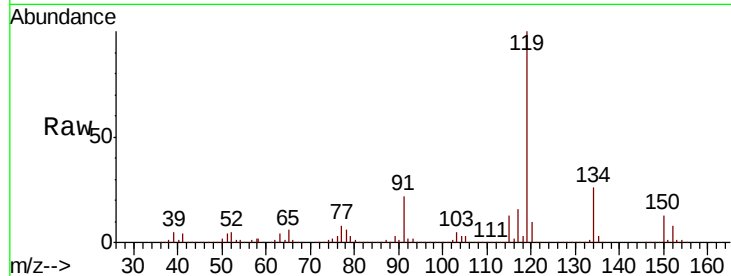
#86
 p-Isopropyltoluene
 Concen: 54.840 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: VX004882.D
 Acq: 01 Oct 2018 20:23

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW502-0913MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	614920		
134	26.6		13.4	40.2
91	23.0		10.9	32.7

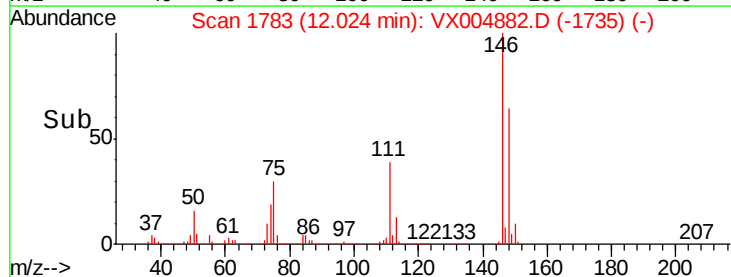
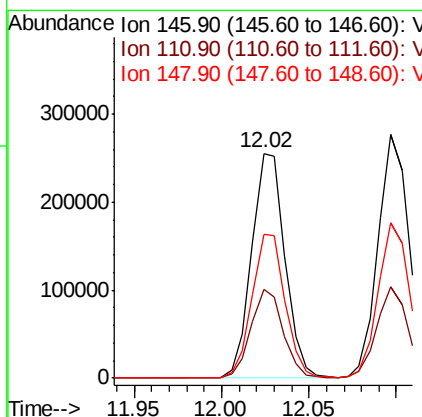
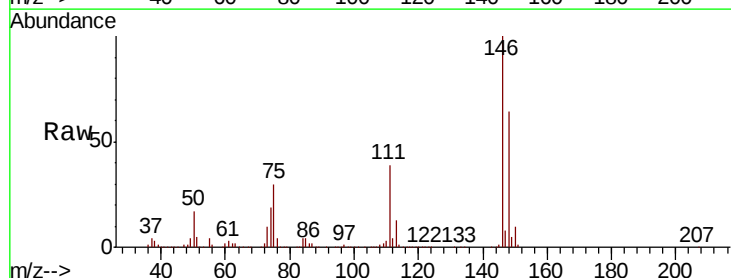
Manual Integrations
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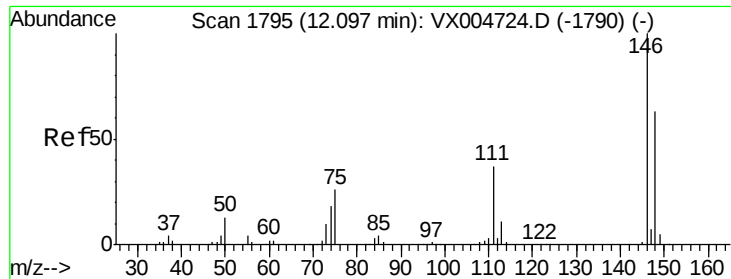
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#87
 1,3-Dichlorobenzene
 Concen: 50.591 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: VX004882.D
 Acq: 01 Oct 2018 20:23

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	338631		
111	38.3		18.7	56.1
148	63.8		32.1	96.5





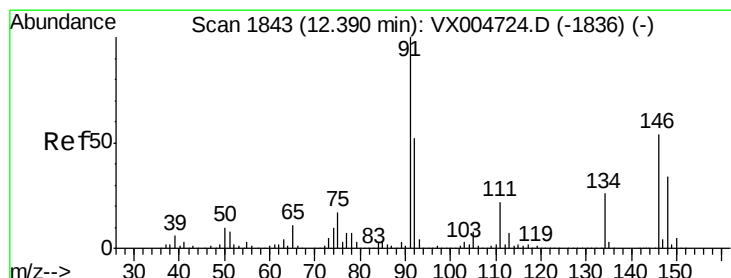
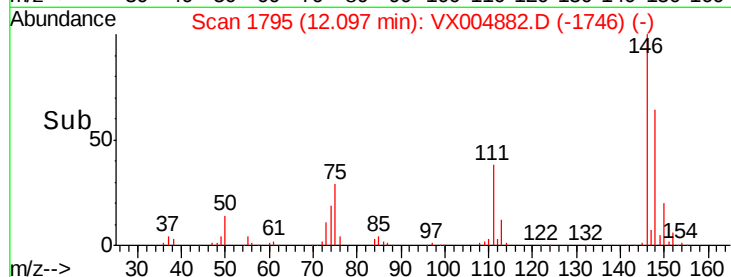
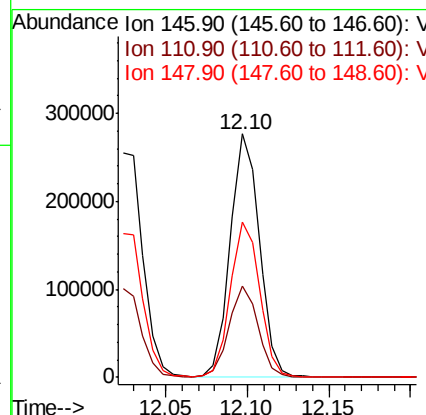
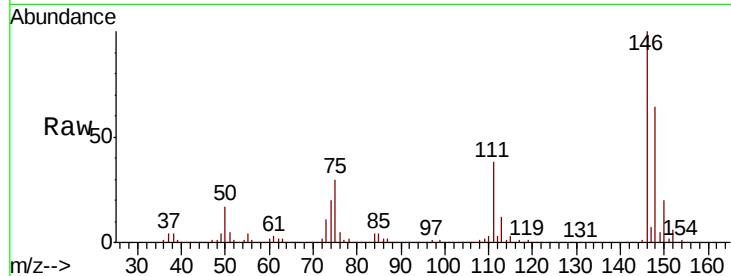
#88
 1,4-Dichlorobenzene
 Concen: 49.831 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX004882.D
 Acq: 01 Oct 2018 20:23

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW502-0913MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.1	54.1
148	64.3	32.0	96.0

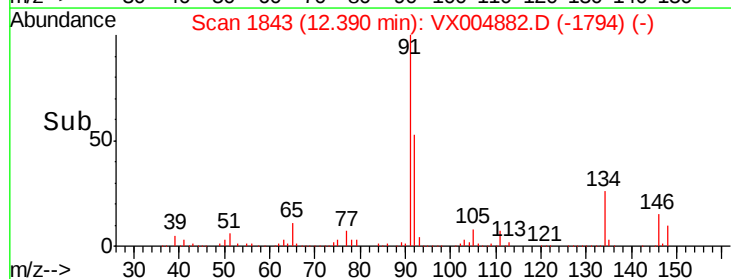
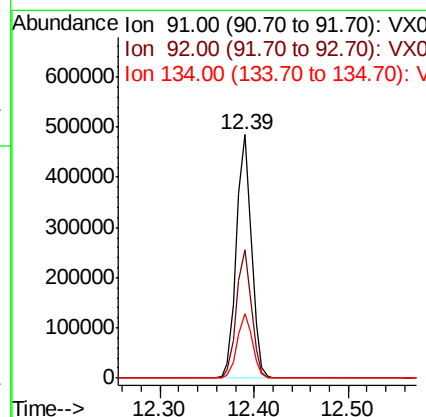
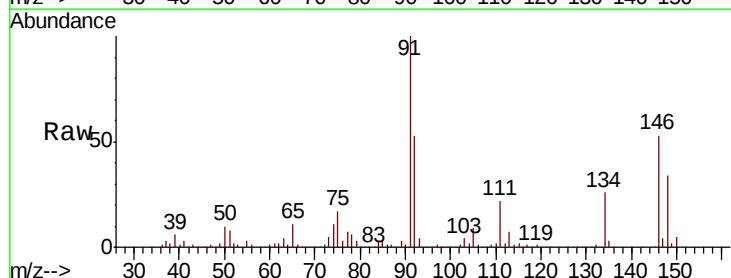
Manual Integrations
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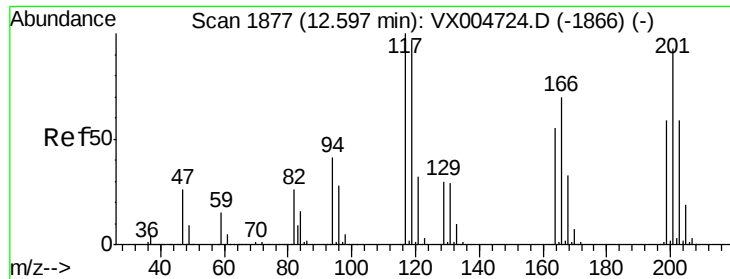
MMDadoda
 10/4/2018 7:07:53 PM



#89
 n-Butylbenzene
 Concen: 53.269 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX004882.D
 Acq: 01 Oct 2018 20:23

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.6	27.3	81.9
134	26.6	13.6	40.7





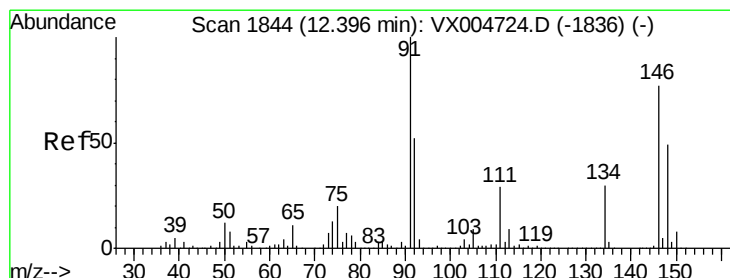
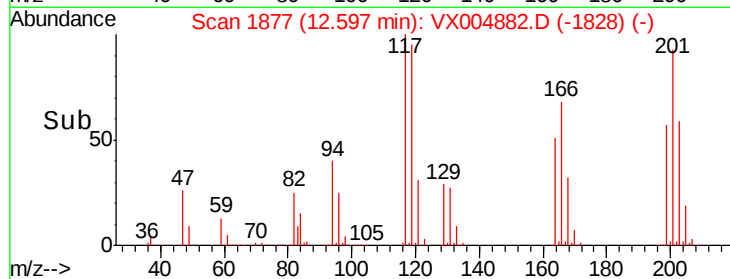
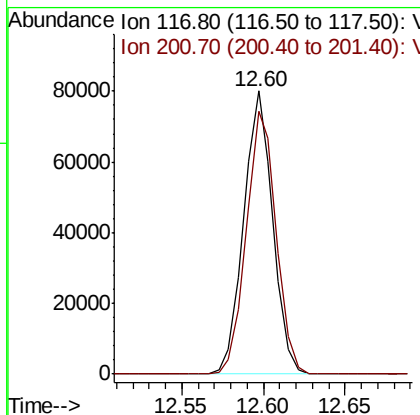
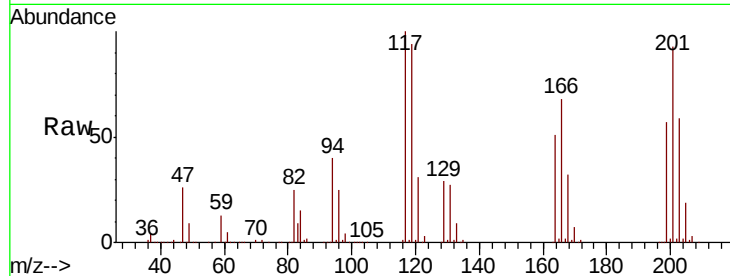
#90
Hexachloroethane
Concen: 53.114 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX004882.D
Acq: 01 Oct 2018 20:23

Instrument :
MSVOA_X
ClientSampleId :
SA-TW502-0913MSD

Tot Ion	Ratio	Resp	Lower	Upper
117	100	99161		
201	95.3	46.9	140.6	

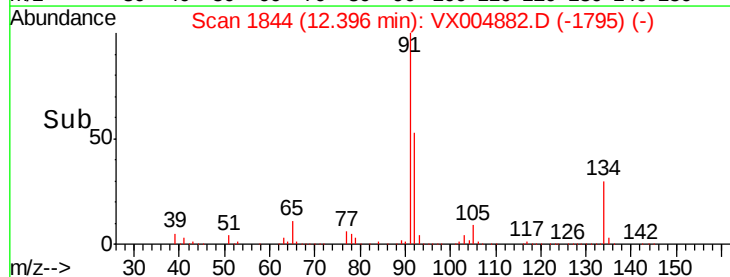
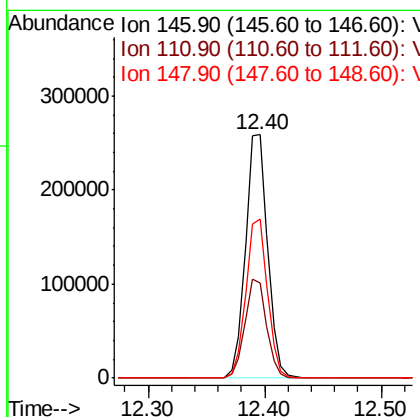
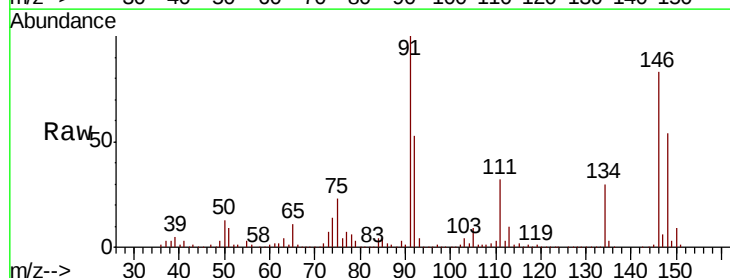
Manual Integrations
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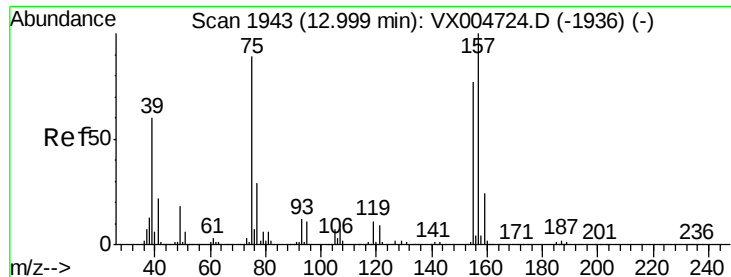
MMDadoda
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#91
1,2-Dichlorobenzene
Concen: 49.067 ug/l
RT: 12.40 min Scan# 1844
Delta R.T. 0.00 min
Lab File: VX004882.D
Acq: 01 Oct 2018 20:23

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	343223		
111	39.9	19.4	58.1	
148	64.3	32.8	98.3	





#92

1,2-Dibromo-3-Chloropropane

Concen: 53.923 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Instrument :

MSVOA_X

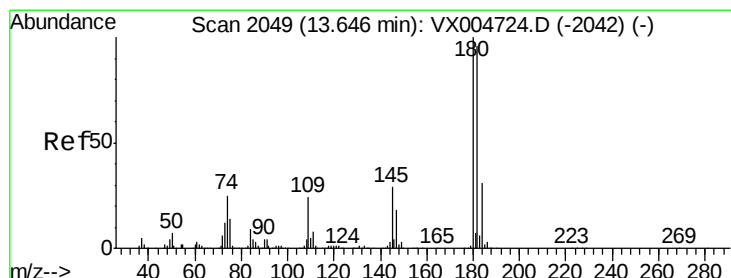
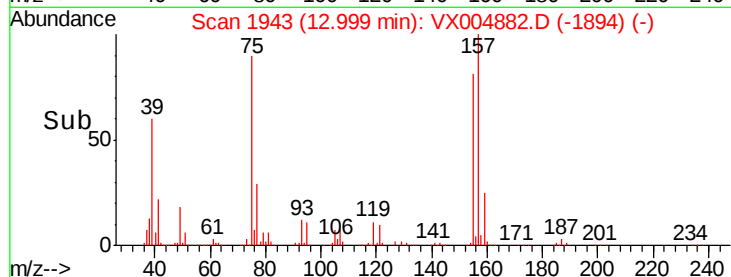
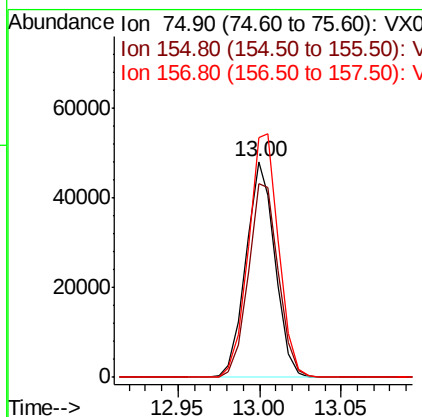
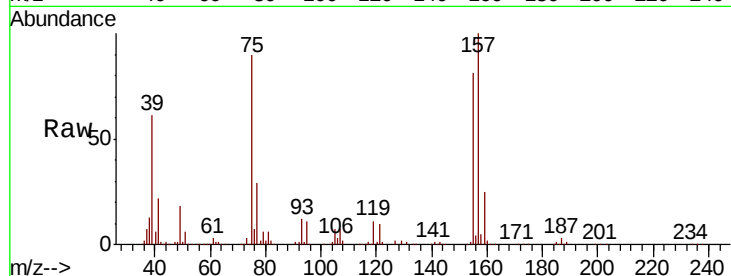
ClientSampleId :

SA-TW502-0913MSD

Tot Ion:	75	Resp:	59480
Ion	Ratio	Lower	Upper
75	100		
155	92.9	48.0	144.2
157	117.7	61.4	184.1

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#93

1,2,4-Trichlorobenzene

Concen: 51.722 ug/l

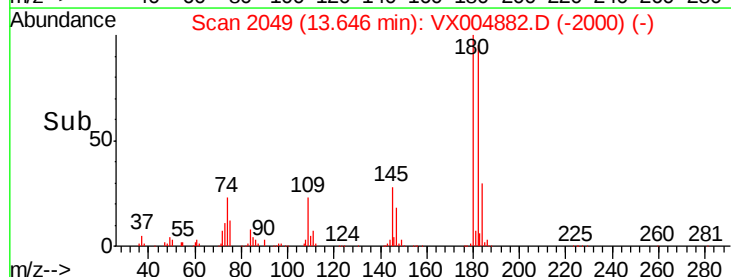
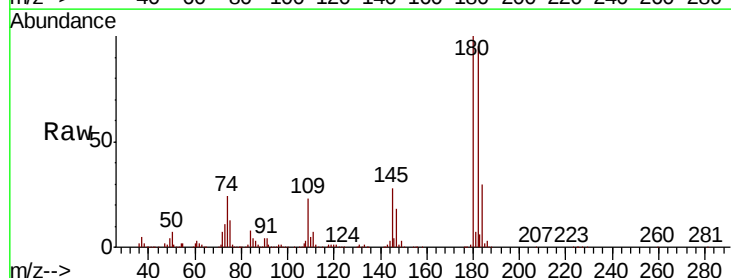
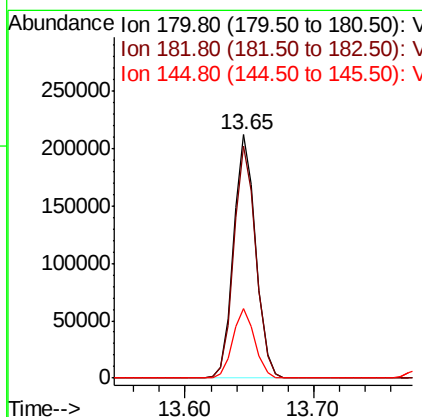
RT: 13.65 min Scan# 2049

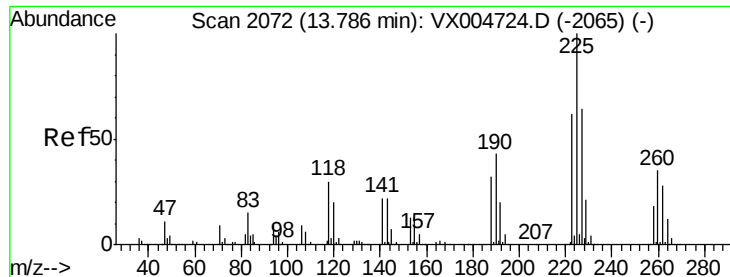
Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Tgt Ion:	180	Resp:	253795
Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.4	145.0
145	28.4	14.3	42.9





#94

Hexachlorobutadiene

Concen: 47.379 ug/l

RT: 13.79 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Instrument :

MSVOA_X

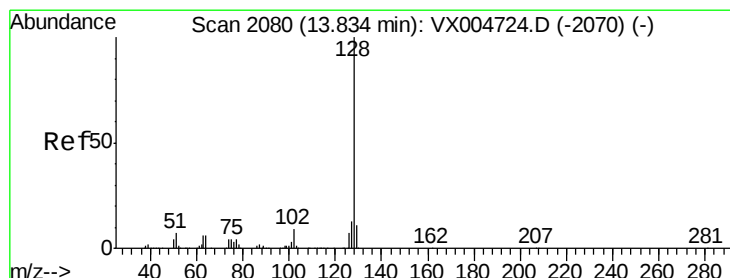
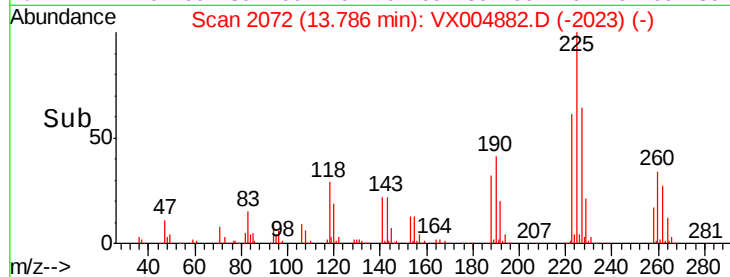
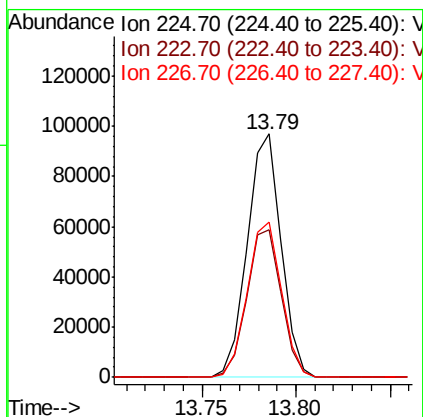
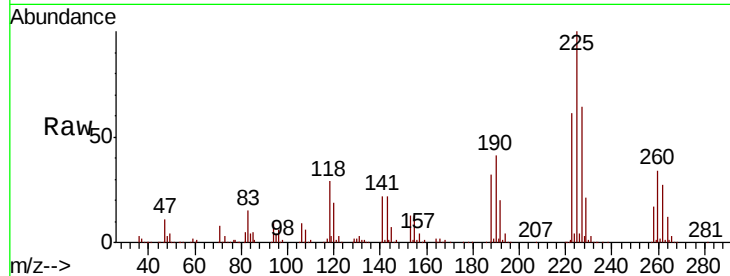
ClientSampleId :

SA-TW502-0913MSD

Tot Ion:	225	Resp:	120556
Ion Ratio		Lower	Upper
225	100		
223	62.1	30.1	90.5
227	64.6	30.8	92.4

Manual Integrations
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#95

Naphthalene

Concen: 51.330 ug/l

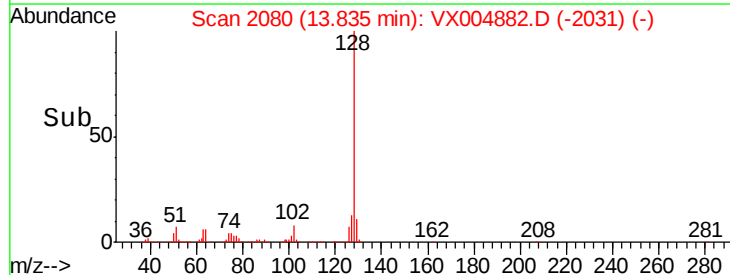
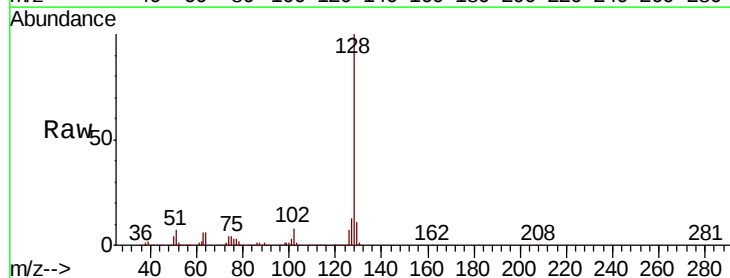
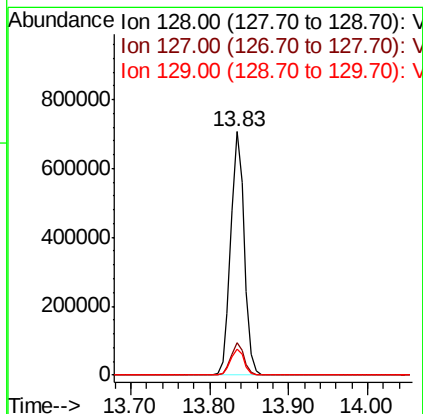
RT: 13.83 min Scan# 2080

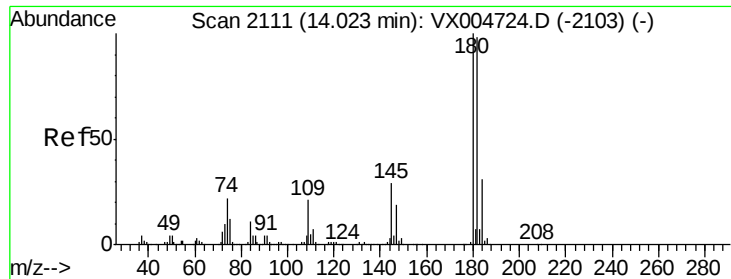
Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Tgt Ion:	128	Resp:	836289
Ion Ratio		Lower	Upper
128	100		
127	13.0	10.2	15.2
129	10.9	8.6	12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 52.303 ug/l
 RT: 14.02 min Scan# 2111
 Delta R.T. 0.00 min
 Lab File: VX004882.D
 Acq: 01 Oct 2018 20:23

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW502-0913MSD

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	96.5	48.5	145.6
145	29.5	14.9	44.9

Manual Integrations
 APPROVED

MMDadoda
 10/4/2018 7:07:53 PM

