

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100118\
 Data File : VX004881.D
 Acq On : 01 Oct 2018 19:56
 Operator : JC/MD
 Sample : J5135-02MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW502-0913MS

Manual Integrations
 APPROVED

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 10/4/2018 7:07:53 PM

Quant Time: Oct 02 05:04:05 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	208130	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	318368	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	308084	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	192105	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	162150	54.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.08%	
35) Dibromofluoromethane	5.50	113	133285	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
50) Toluene-d8	8.72	98	499014	55.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.26%	
62) 4-Bromofluorobenzene	11.14	95	186308	57.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	164672	58.028	ug/l	97
3) Chloromethane	1.32	50	185013	53.737	ug/l	100
4) Vinyl Chloride	1.40	62	182568	56.538	ug/l	100
5) Bromomethane	1.64	94	127589	66.632	ug/l	100
6) Chloroethane	1.71	64	111461	63.989	ug/l	98
7) Trichlorofluoromethane	1.92	101	232542	58.170	ug/l	94
8) Diethyl Ether	2.19	74	93653	53.926	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.37	101	128406	56.389	ug/l	98
10) Methyl Iodide	2.51	142	134408	44.109	ug/l	99
11) Tert butyl alcohol	3.09	59	242257	291.413	ug/l	100
12) 1,1-Dichloroethene	2.37	96	124629	55.264	ug/l	96
13) Acrolein	2.29	56	105587	178.513	ug/l	97
14) Allyl chloride	2.72	41	283160	57.546	ug/l	94
15) Acrylonitrile	3.15	53	533456	291.499	ug/l	99
16) Acetone	2.45	43	472318	272.108	ug/l	98
17) Carbon Disulfide	2.56	76	357138	52.703	ug/l	99
18) Methyl Acetate	2.78	43	266321	60.558	ug/l	93
19) Methyl tert-butyl Ether	3.21	73	460028	59.139	ug/l	97
20) Methylene Chloride	2.85	84	146846	58.326	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	133958	54.263	ug/l	96
22) Diisopropyl ether	3.87	45	475373	57.372	ug/l	95
23) Vinyl Acetate	3.82	43	2040537	269.041	ug/l	96
24) 1,1-Dichloroethane	3.69	63	260443	52.694	ug/l	99
25) 2-Butanone	4.71	43	718769	280.924	ug/l	95
26) 2,2-Dichloropropane	4.58	77	171319	49.776	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	147243	53.391	ug/l	95
28) Bromochloromethane	5.02	49	121252	52.095	ug/l	89
29) Tetrahydrofuran	5.16	42	471732	296.640	ug/l	92
30) Chloroform	5.21	83	253462	54.260	ug/l	98
31) Cyclohexane	5.57	56	220597	58.314	ug/l	92
32) 1,1,1-Trichloroethane	5.49	97	215177	56.405	ug/l	99
36) 1,1-Dichloropropene	5.80	75	180550	49.044	ug/l	99
37) Ethyl Acetate	4.86	43	241682	49.458	ug/l	98
38) Carbon Tetrachloride	5.78	117	187529	48.460	ug/l	97

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Manual Integrations
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Quant Time: Oct 02 05:04:05 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)
39) Methylcyclohexane	7.46	83	209484	55.728	ug/l	94
40) Benzene	6.14	78	563609	48.902	ug/l	99
41) Methacrylonitrile	5.06	41	140882	51.986	ug/l	96
42) 1,2-Dichloroethane	6.20	62	202571	49.719	ug/l	97
43) Isopropyl Acetate	6.46	43	358458	50.823	ug/l	96
44) Trichloroethene	7.21	130	148528	52.423	ug/l	92
45) 1,2-Dichloropropane	7.52	63	154601	54.700	ug/l	99
46) Dibromomethane	7.66	93	98388	55.391	ug/l	98
47) Bromodichloromethane	7.90	83	189078	56.855	ug/l	99
48) Methyl methacrylate	7.78	41	196887	61.502	ug/l	94
49) 1,4-Dioxane	7.76	88	92839	1167.300	ug/l	94
51) 4-Methyl-2-Pentanone	8.65	43	1349524	303.880	ug/l	95
52) Toluene	8.79	92	353228	55.777	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	208821	55.566	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	220605	56.044	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	148776	53.632	ug/l	95
56) Ethyl methacrylate	9.18	69	230107	51.054	ug/l	94
57) 1,3-Dichloropropane	9.37	76	248304	53.782	ug/l	99
59) 2-Hexanone	9.50	43	1080416	291.945	ug/l	94
60) Dibromochloromethane	9.59	129	152517	54.976	ug/l	100
61) 1,2-Dibromoethane	9.68	107	153773	51.761	ug/l	100
64) Tetrachloroethene	9.34	164	141796	46.763	ug/l	98
65) Chlorobenzene	10.14	112	394892	49.985	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	144337	51.969	ug/l	99
67) Ethyl Benzene	10.26	91	672098	53.586	ug/l	98
68) m/p-Xylenes	10.36	106	526510	107.424	ug/l	96
69) o-Xylene	10.70	106	253159	56.236	ug/l	97
70) Stvrene	10.71	104	431393	51.183	ug/l	97
71) Bromoform	10.86	173	128063	53.859	ug/l	99
73) Isopropylbenzene	11.02	105	675321	55.772	ug/l	99
74) N-amyl acetate	10.90	43	320428	48.210	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.27	83	250916	50.906	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	223846m	51.987	ug/l	
77) Bromobenzene	11.26	156	183474	52.167	ug/l	97
78) n-propylbenzene	11.36	91	777176	55.939	ug/l	99
79) 2-Chlorotoluene	11.42	91	466313	53.847	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	575826	51.893	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.08	75	71125	45.249	ug/l	99
82) 4-Chlorotoluene	11.51	91	552361	54.190	ug/l	99
83) tert-Butylbenzene	11.77	119	563985	56.572	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	599827	52.419	ug/l	98
85) sec-Butylbenzene	11.95	105	683844	56.315	ug/l	98
86) p-Isopropyltoluene	12.07	119	611186	55.554	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	336149	51.185	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	342140	50.467	ug/l	99
89) n-Butylbenzene	12.39	91	539719	54.017	ug/l	98
90) Hexachloroethane	12.60	117	98557	53.805	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	345782	50.382	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	59388	54.874	ug/l	97
93) 1,2,4-Trichlorobenzene	13.65	180	253641	52.684	ug/l	99

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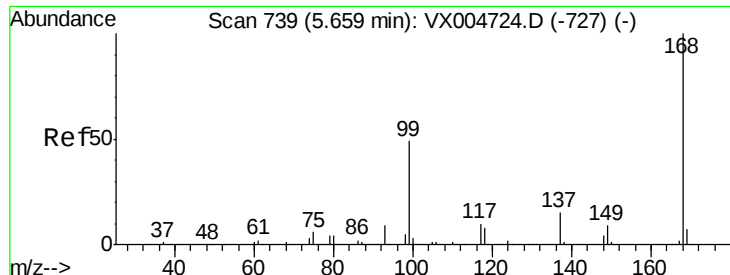
Manual Integrations
APPROVED

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10/4/2018 7:07:53 PM

Quant Time: Oct 02 05:04:05 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)
94) Hexachlorobutadiene	13.79	225	121375	48.618	ug/l	97
95) Naphthalene	13.83	128	831289	51.994	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	265946	53.474	ug/l	98

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



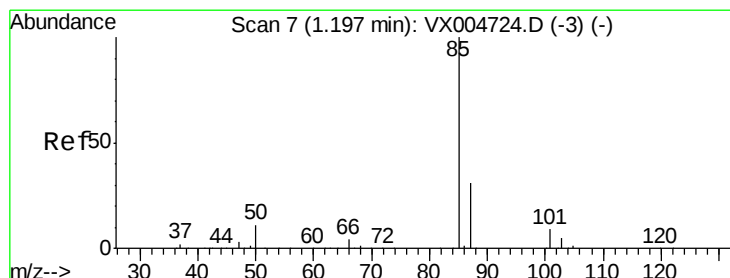
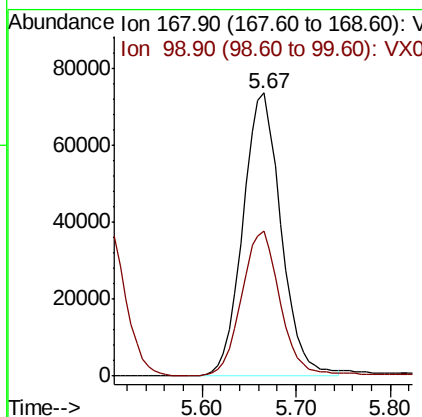
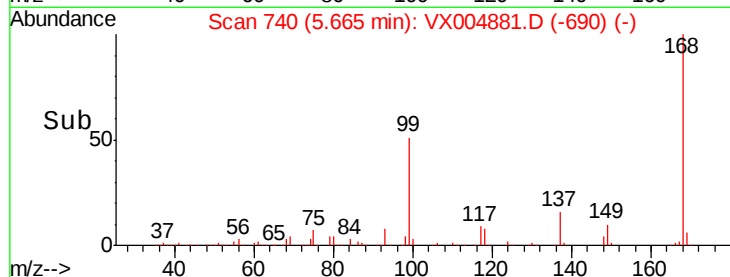
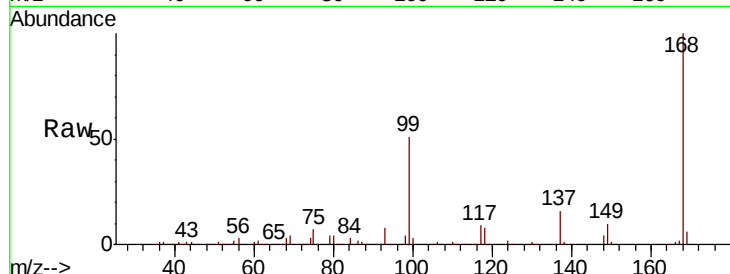
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.01 min
Lab File: VX004881.D
Acq: 01 Oct 2018 19:56

Instrument :
MSVOA_X
ClientSampleId :
SA-TW502-0913MS

Tot Ion:168 Resp: 208130
Ion Ratio Lower Upper
168 100
99 51.4 39.9 59.9

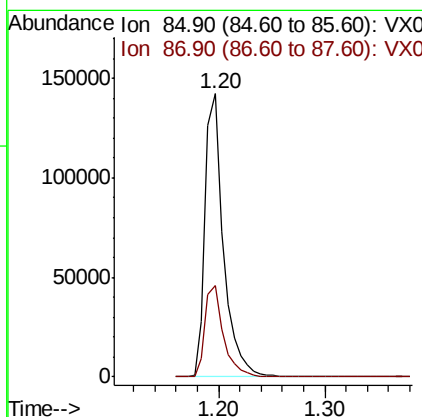
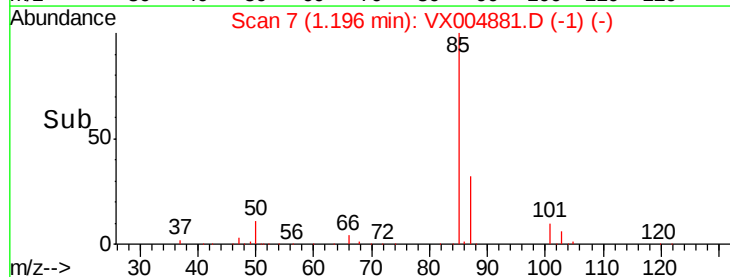
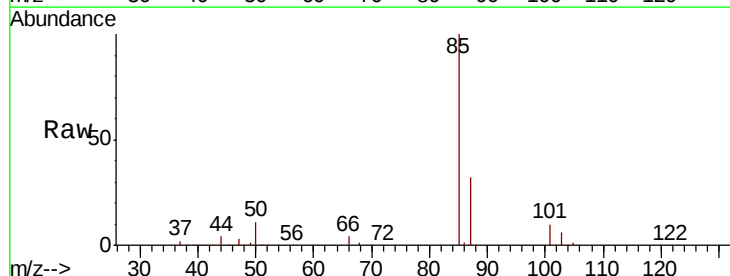
Manual Integrations
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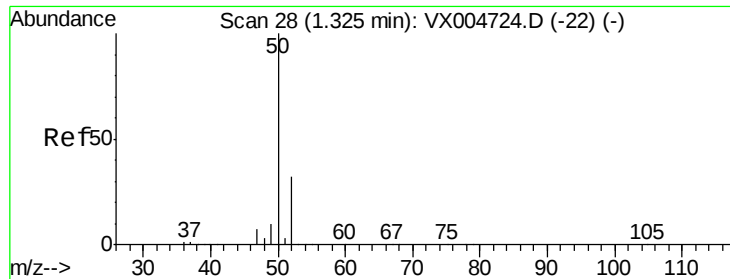
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#2
Dichlorodifluoromethane
Concen: 58.028 ug/l
RT: 1.20 min Scan# 7
Delta R.T. -0.00 min
Lab File: VX004881.D
Acq: 01 Oct 2018 19:56

Tgt Ion: 85 Resp: 164672
Ion Ratio Lower Upper
85 100
87 32.2 17.0 50.9





#3

Chloromethane

Concen: 53.737 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

Instrument :

MSVOA_X

ClientSampleId :

SA-TW502-0913MS

Tot Ion: 50 Resp: 185013

Ion Ratio Lower Upper

50 100

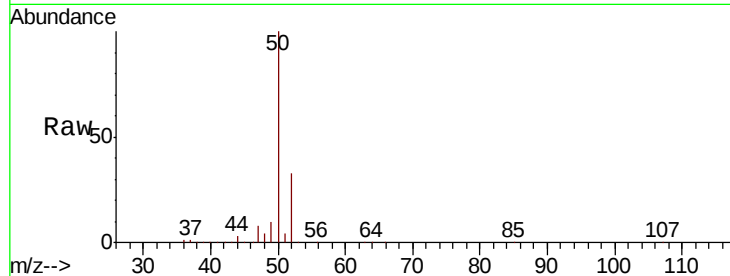
52 32.5 26.2 39.2

Manual Integrations

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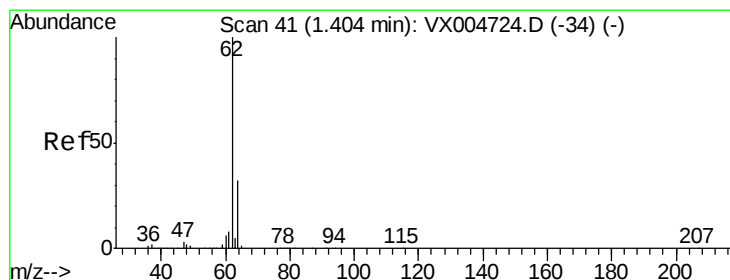
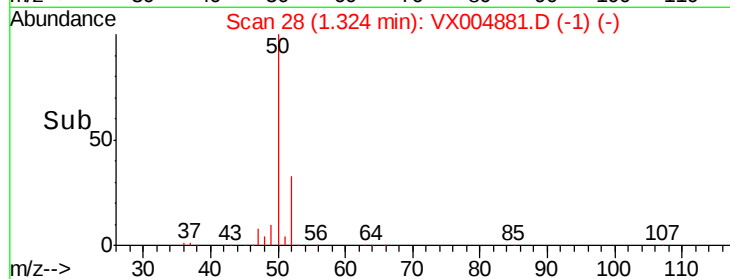
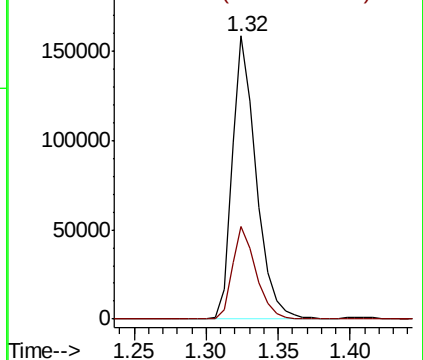
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 56.538 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004881.D

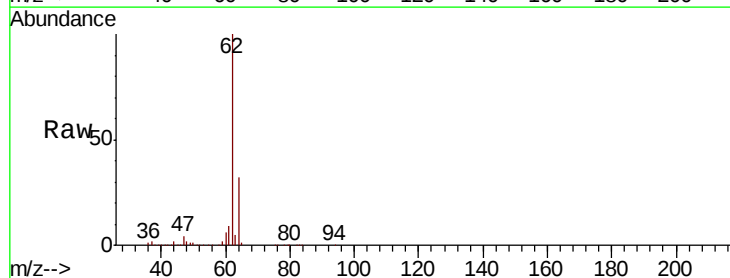
Acq: 01 Oct 2018 19:56

Tgt Ion: 62 Resp: 182568

Ion Ratio Lower Upper

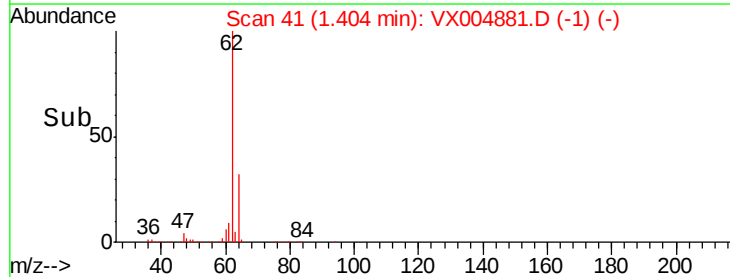
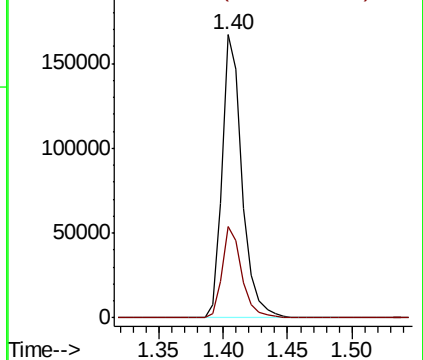
62 100

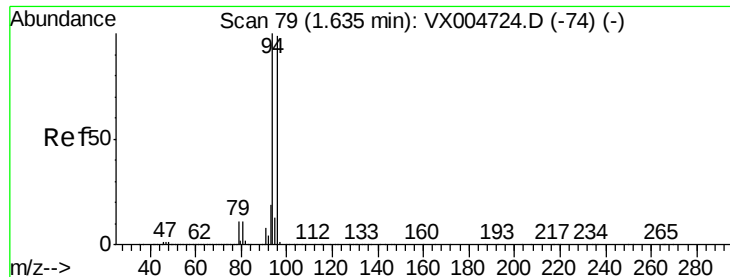
64 32.3 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 66.632 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

Instrument :

MSVOA_X

ClientSampleId :

SA-TW502-0913MS

Tot Ion: 94 Resp: 127589

Ion Ratio Lower Upper

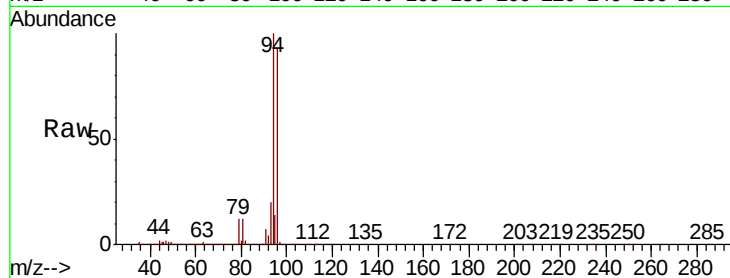
94 100

96 93.3 74.5 111.7

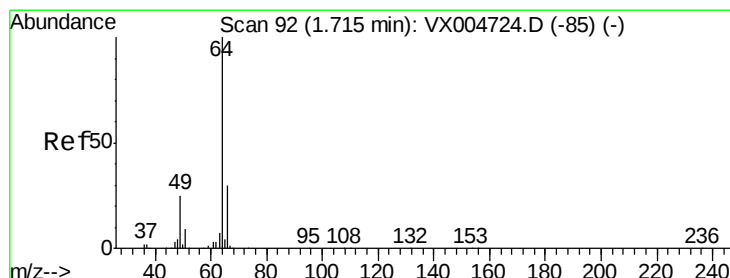
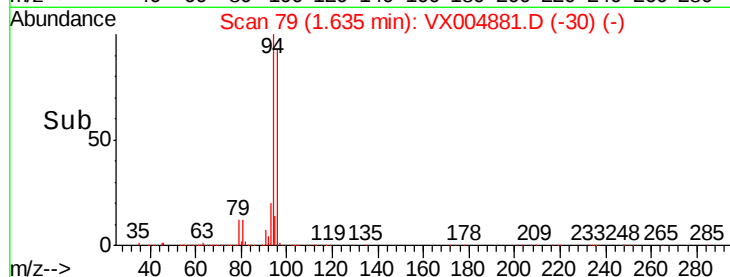
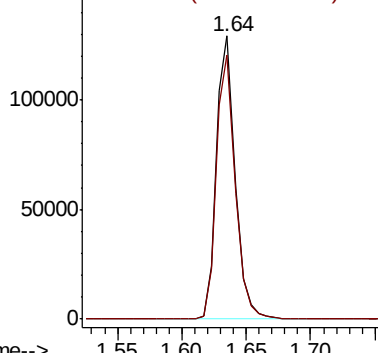
Manual Integrations
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Abundance Ion 93.90 (93.60 to 94.60): VX0
Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 63.989 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX004881.D

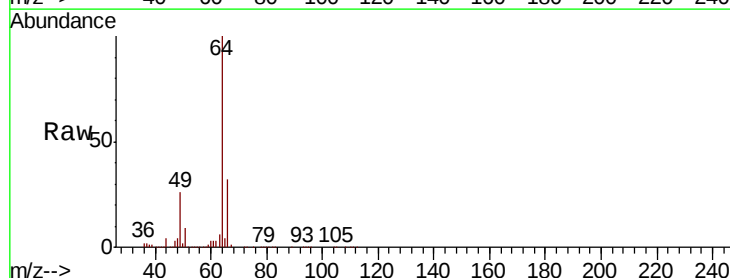
Acq: 01 Oct 2018 19:56

Tgt Ion: 64 Resp: 111461

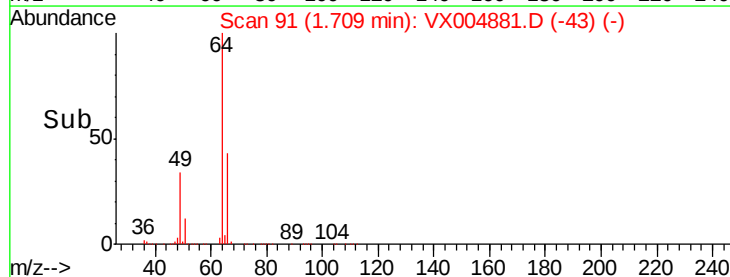
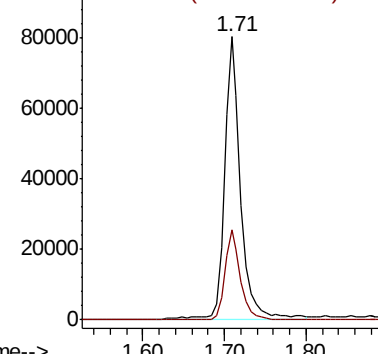
Ion Ratio Lower Upper

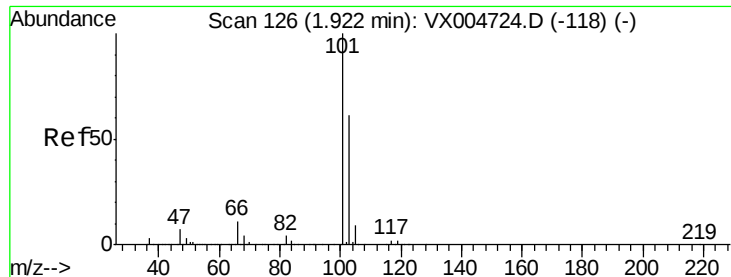
64 100

66 31.7 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0
Ion 65.90 (65.60 to 66.60): VX0





#7

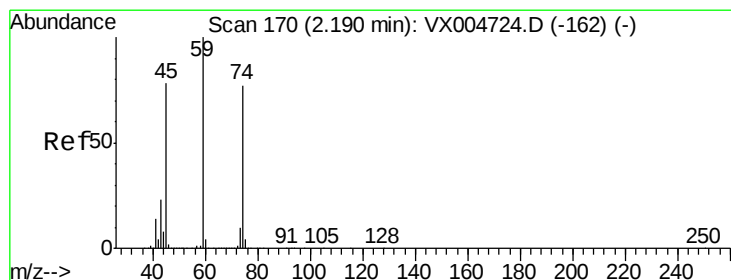
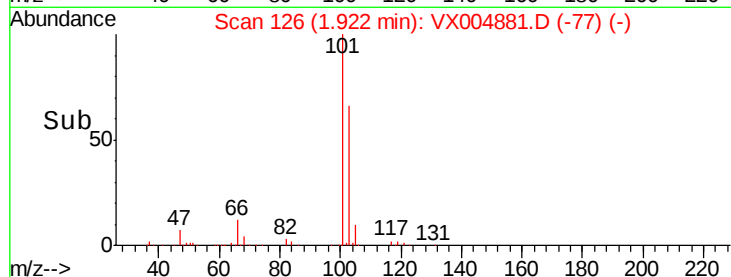
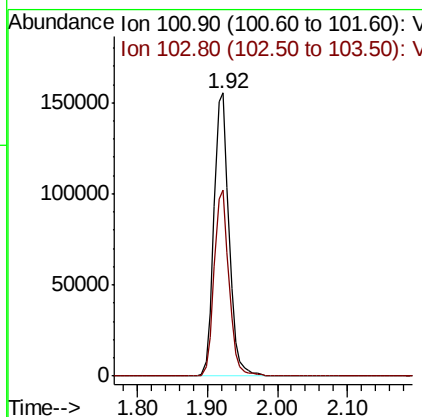
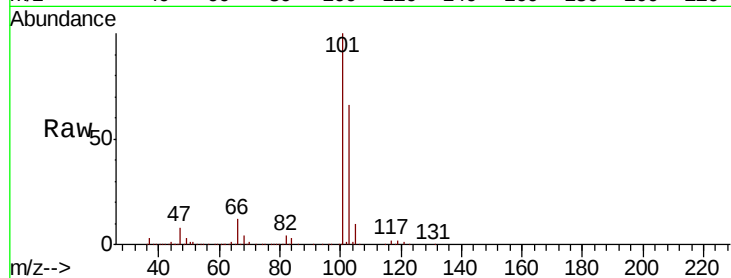
Trichlorofluoromethane
 Concen: 58.170 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.00 min
 Lab File: VX004881.D
 Acq: 01 Oct 2018 19:56

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.8	48.9	73.3

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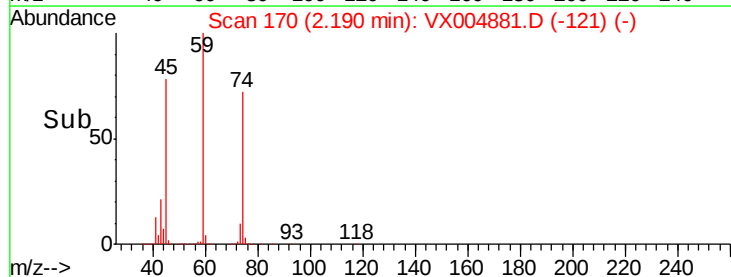
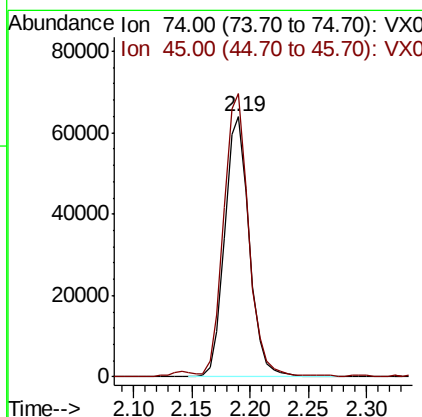
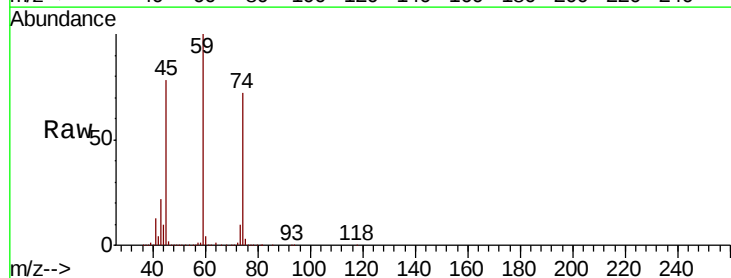
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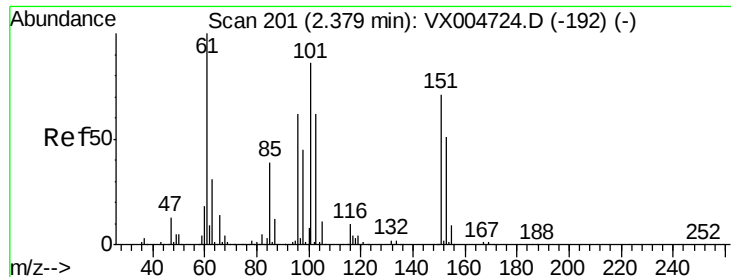


#8

Diethyl Ether
 Concen: 53.926 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX004881.D
 Acq: 01 Oct 2018 19:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.6	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 56.389 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

Instrument :

MSVOA_X

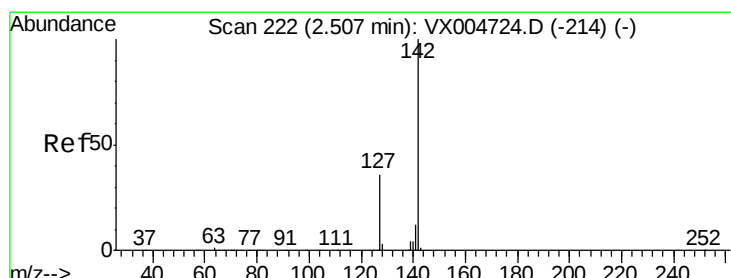
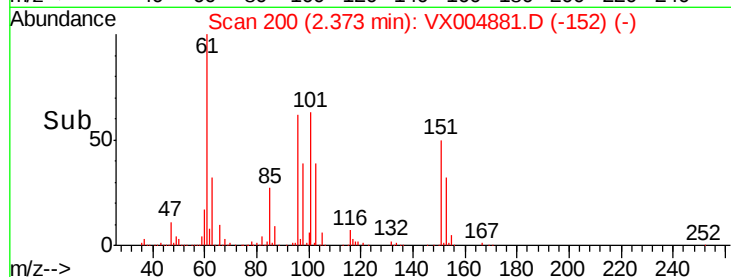
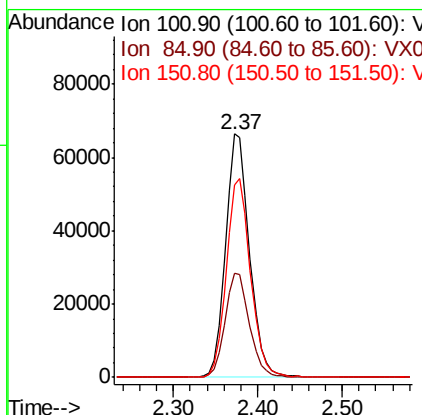
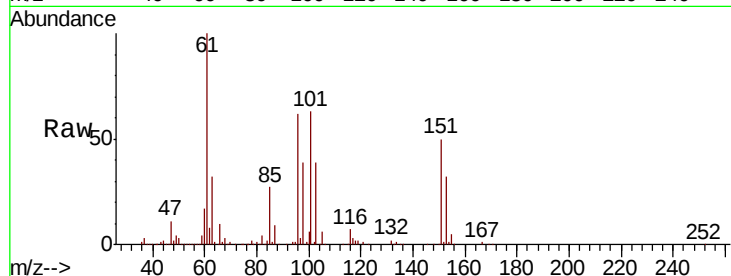
ClientSampleId :

SA-TW502-0913MS

Tot Ion:	101	Resp:	128406
Ion Ratio	Lower	Upper	
101	100		
85	43.6	34.2	51.4
151	82.8	65.0	97.6

Manual Integrations
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#10

Methyl Iodide

Concen: 44.109 ug/l

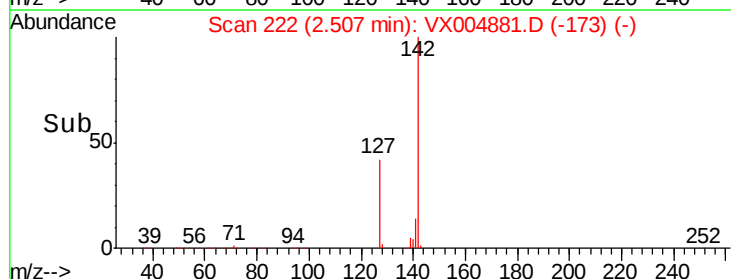
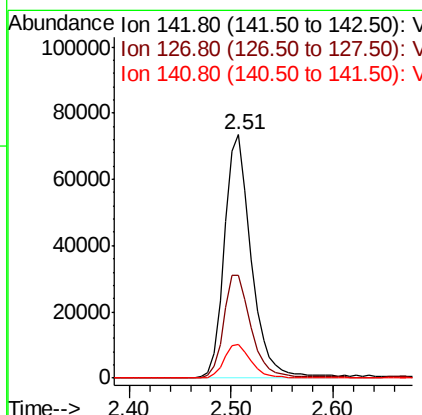
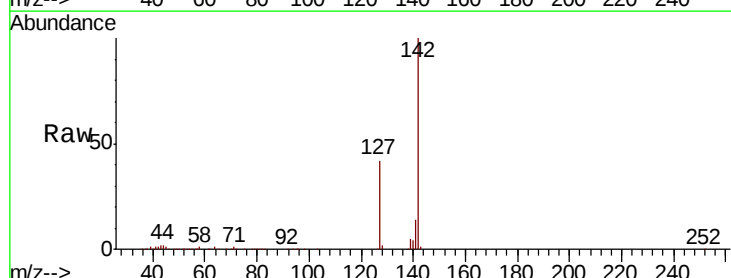
RT: 2.51 min Scan# 222

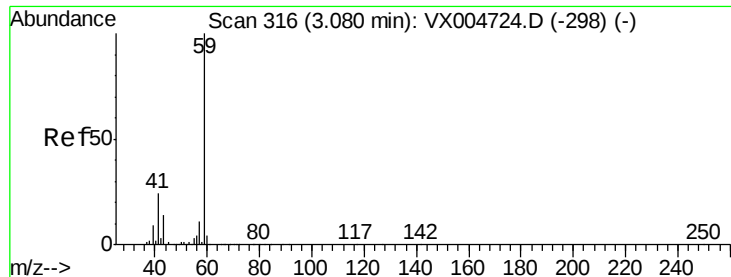
Delta R.T. -0.00 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

Tgt Ion:	142	Resp:	134408
Ion Ratio	Lower	Upper	
142	100		
127	43.2	33.8	50.6
141	14.1	11.4	17.0





#11

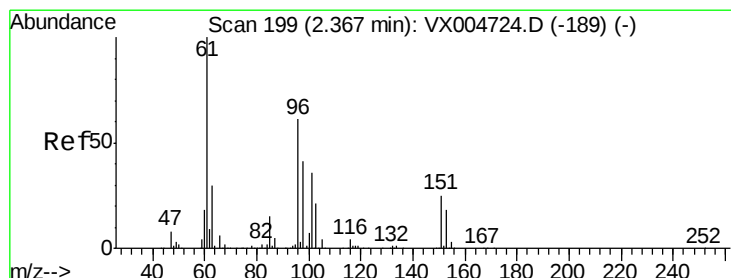
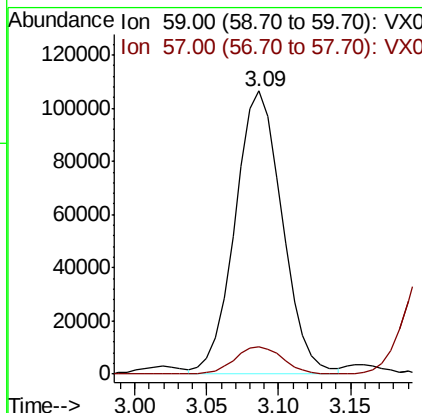
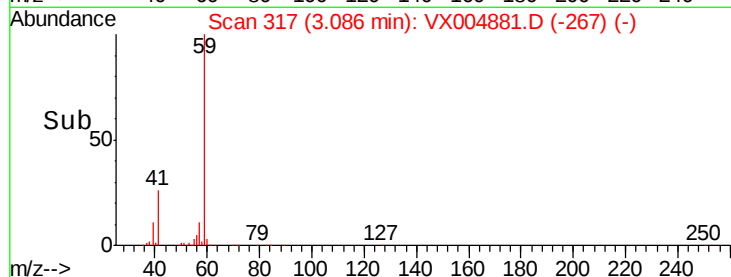
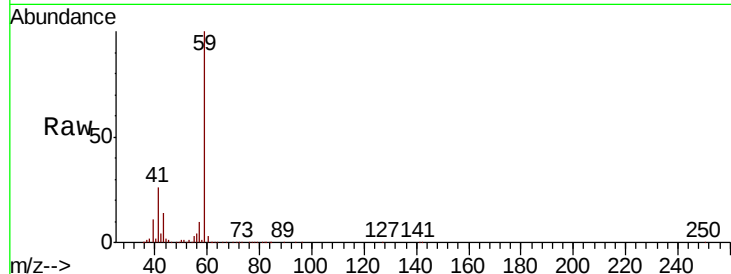
Tert butyl alcohol
 Concen: 291.413 ug/l
 RT: 3.09 min Scan# 317
 Delta R.T. 0.01 min
 Lab File: VX004881.D
 Acq: 01 Oct 2018 19:56

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW502-0913MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.4

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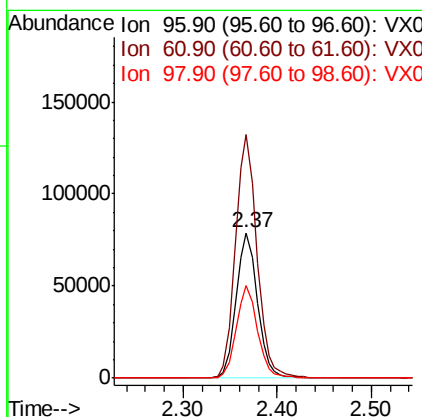
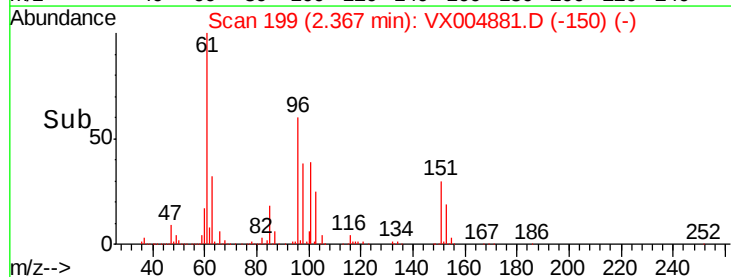
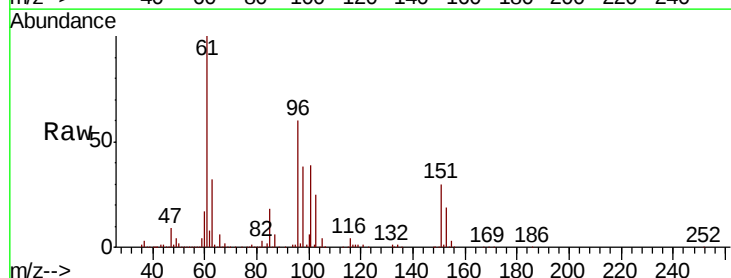
MMDadoda
 10/4/2018 7:07:53 PM

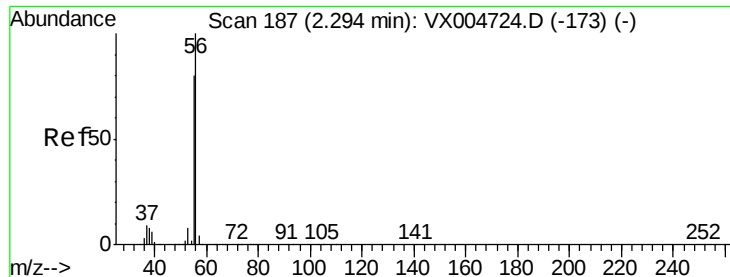


#12

1,1-Dichloroethene
 Concen: 55.264 ug/l
 RT: 2.37 min Scan# 199
 Delta R.T. -0.00 min
 Lab File: VX004881.D
 Acq: 01 Oct 2018 19:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.2	128.8	193.2
98	63.7	52.2	78.2





#13

Acrolein

Concen: 178.513 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

Instrument :

MSVOA_X

ClientSampleId :

SA-TW502-0913MS

Tot Ion: 56 Resp: 105587

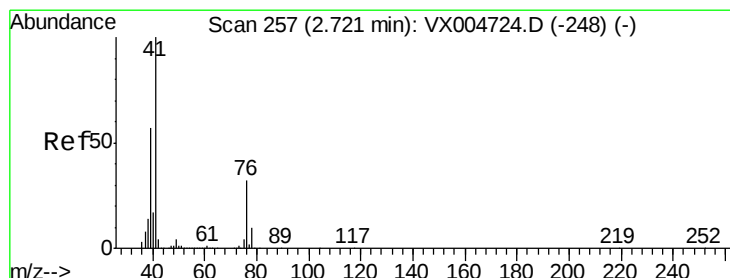
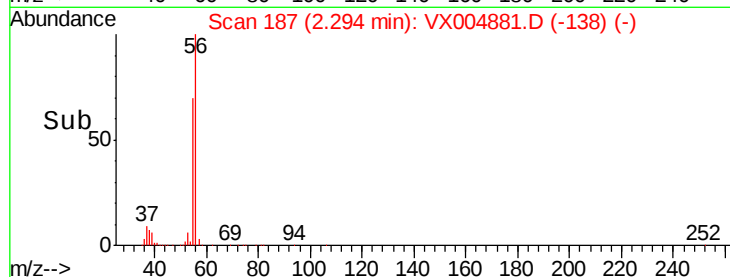
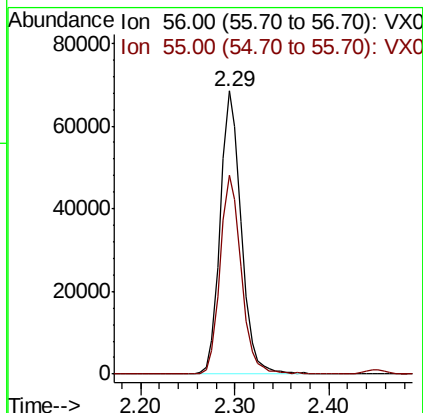
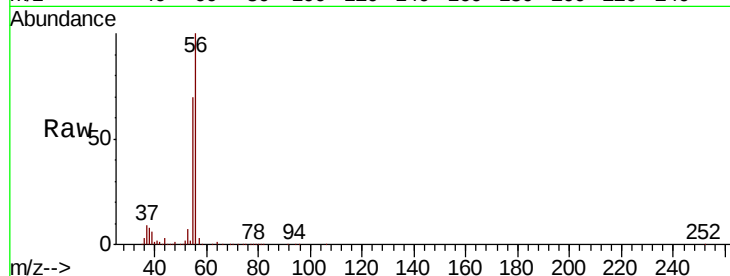
Ion Ratio Lower Upper

56 100

55 70.8 54.7 82.1

Manual Integrations
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#14

Allyl chloride

Concen: 57.546 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.00 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

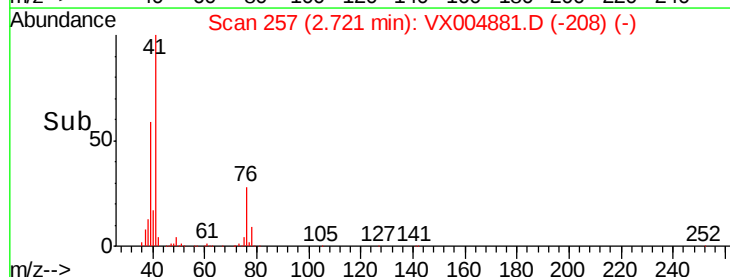
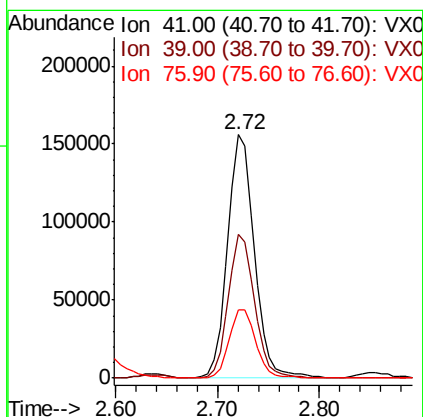
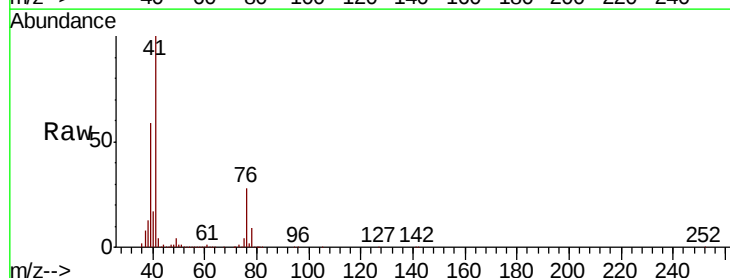
Tgt Ion: 41 Resp: 283160

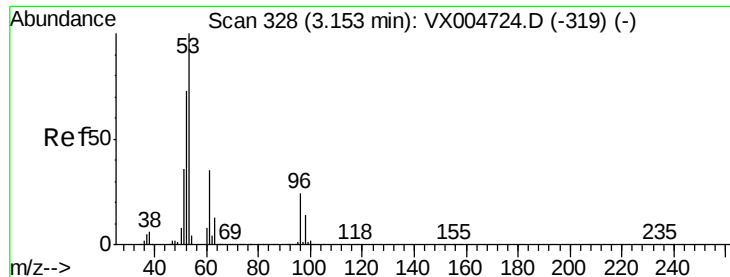
Ion Ratio Lower Upper

41 100

39 57.5 48.9 73.3

76 28.0 26.7 40.1





#15

Acrylonitrile

Concen: 291.499 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX004881.D

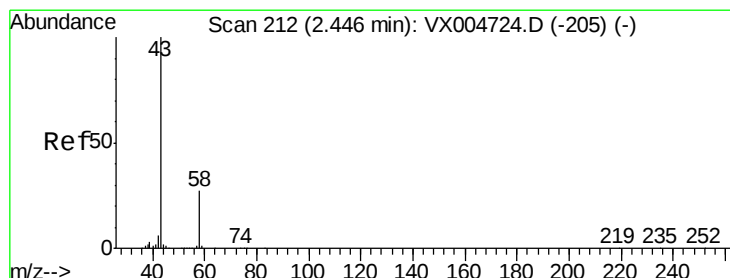
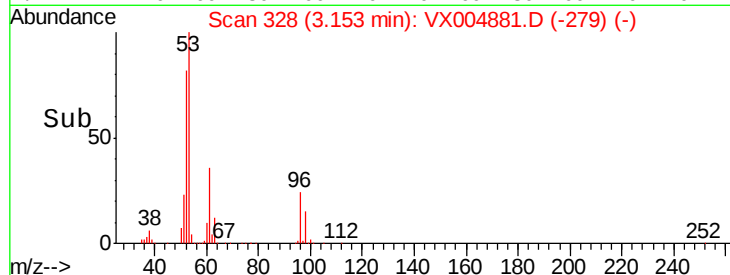
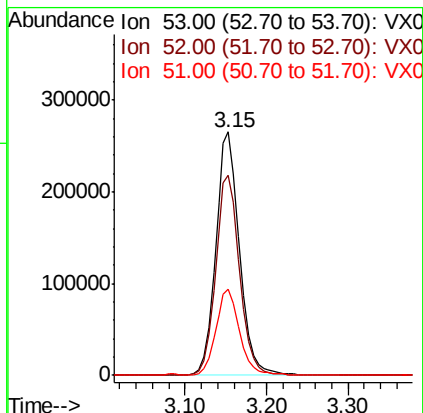
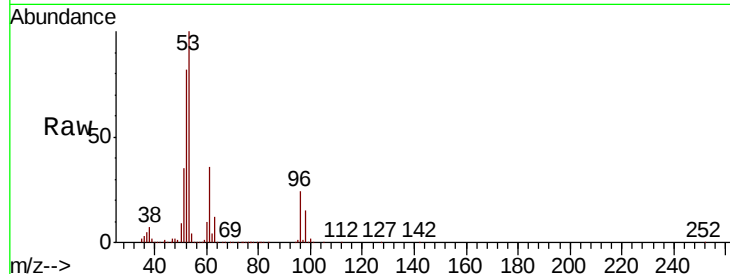
Acq: 01 Oct 2018 19:56

Instrument :
MSVOA_X
ClientSampleId :
SA-TW502-0913MS

Tot Ion:	53	Resp:	533456
Ion	Ratio	Lower	Upper
53	100		
52	82.9	65.2	97.8
51	35.6	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 272.108 ug/l

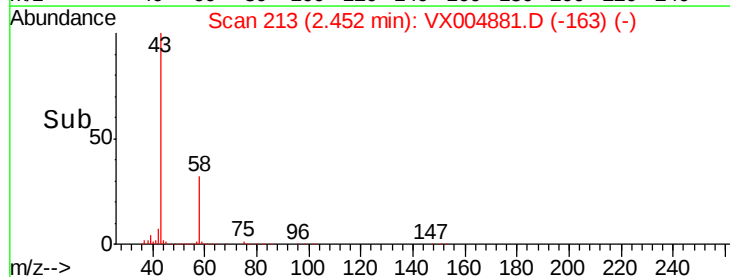
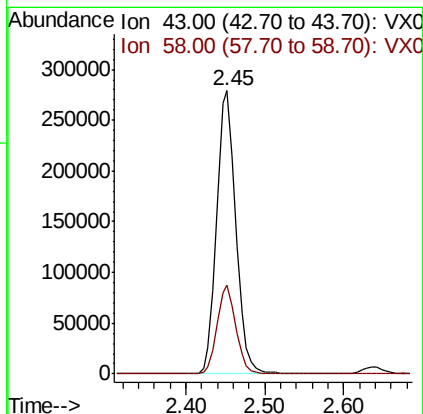
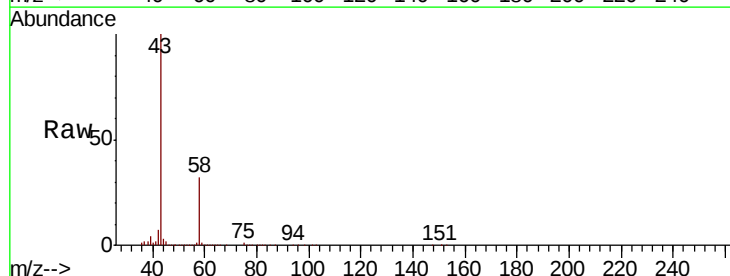
RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

Tgt Ion:	43	Resp:	472318
Ion	Ratio	Lower	Upper
43	100		
58	31.6	26.2	39.4





#17

Carbon Disulfide

Concen: 52.703 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

Instrument :

MSVOA_X

ClientSampleId :

SA-TW502-0913MS

Tot Ion: 76 Resp: 357138

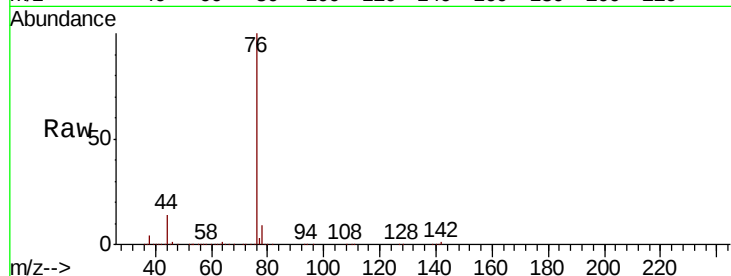
Ion Ratio Lower Upper

76 100

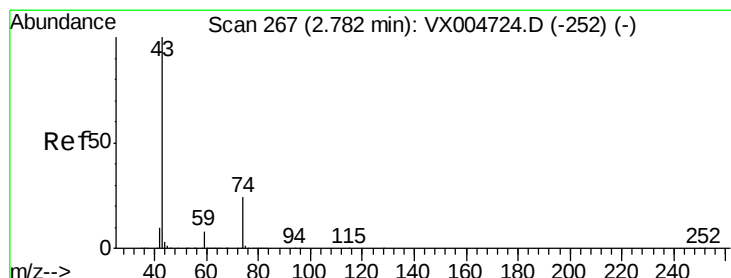
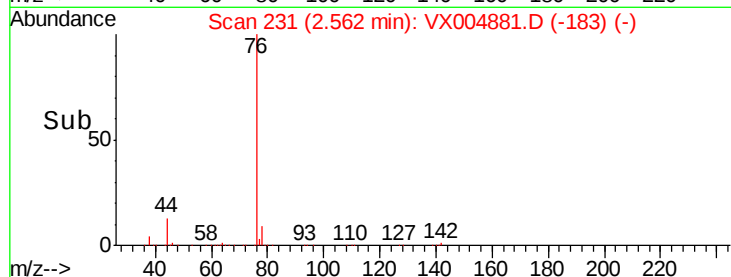
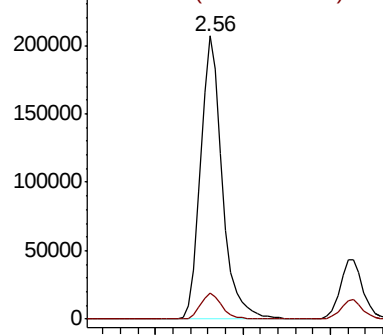
78 9.1 7.0 10.6

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



#18

Methyl Acetate

Concen: 60.558 ug/l

RT: 2.78 min Scan# 267

Delta R.T. -0.00 min

Lab File: VX004881.D

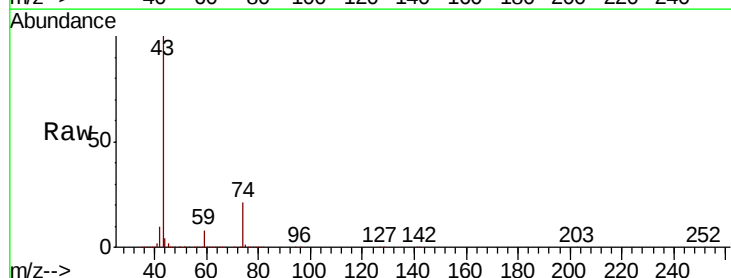
Acq: 01 Oct 2018 19:56

Tgt Ion: 43 Resp: 266321

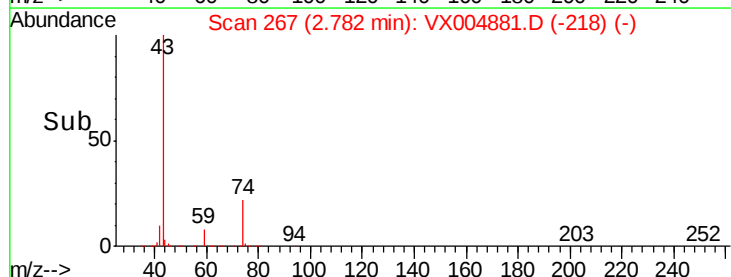
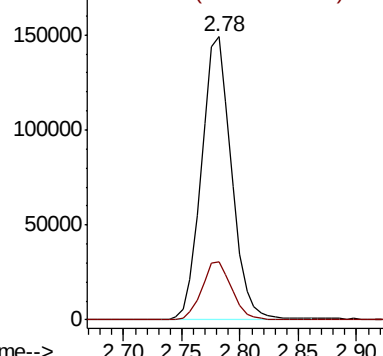
Ion Ratio Lower Upper

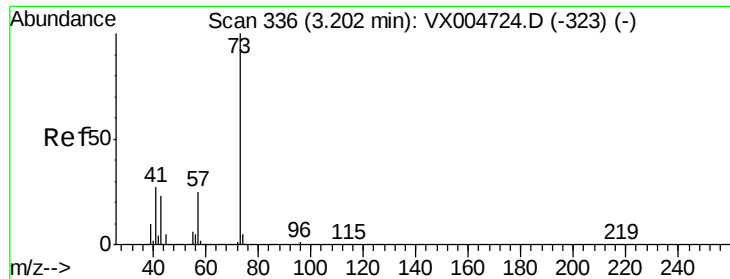
43 100

74 20.9 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 74.00 (73.70 to 74.70): VX0





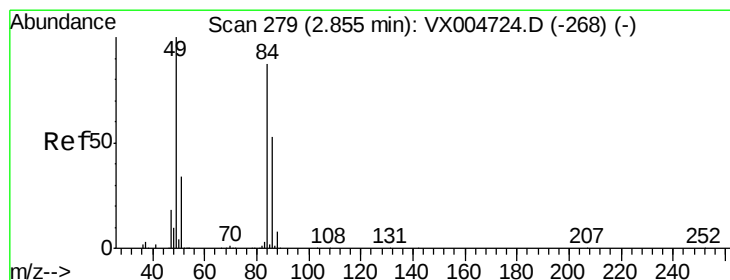
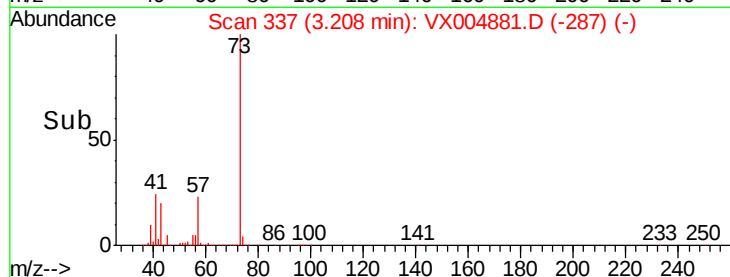
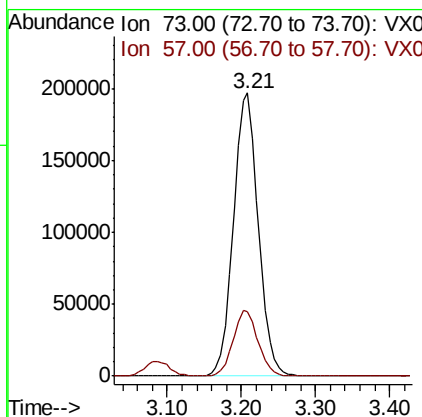
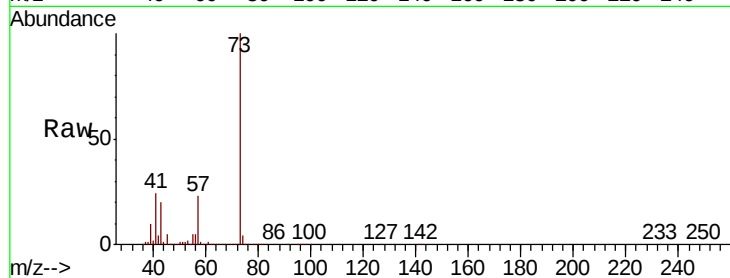
#19
Methvl tert-butvl Ether
Concen: 59.139 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX004881.D
Acq: 01 Oct 2018 19:56

Instrument :
MSVOA_X
ClientSampleId :
SA-TW502-0913MS

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.7	17.1	25.7

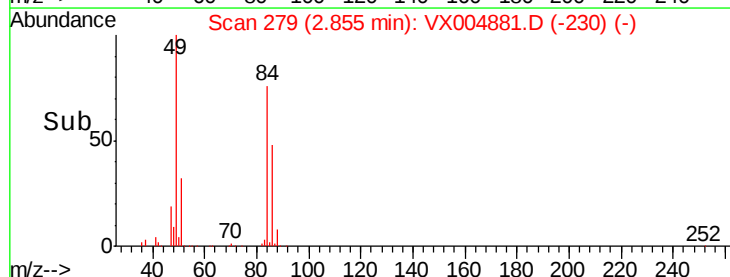
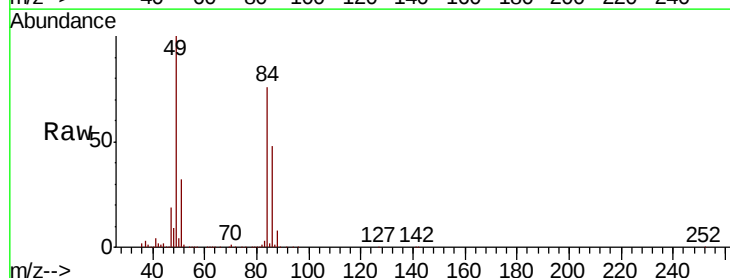
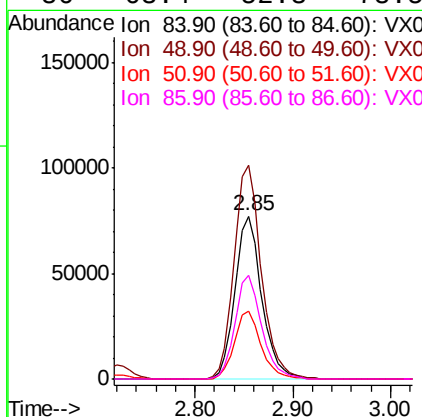
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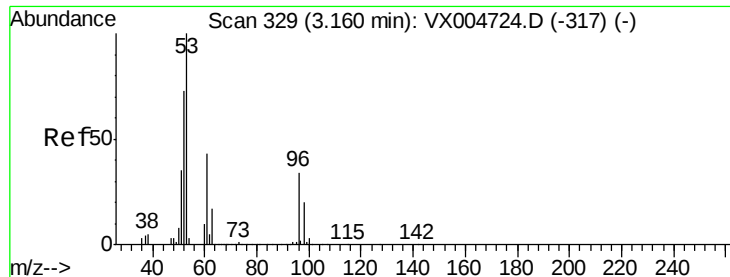
MMDadoda
10/4/2018 7:07:53 PM



#20
Methylene Chloride
Concen: 58.326 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX004881.D
Acq: 01 Oct 2018 19:56

Tgt Ion	Ratio	Lower	Upper
84	100		
49	130.9	101.2	151.8
51	41.3	29.5	44.3
86	63.4	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 54.263 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX004881.D

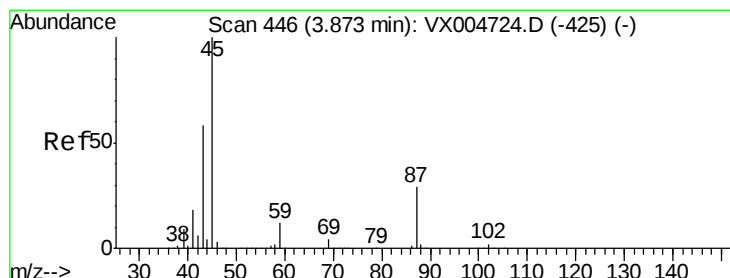
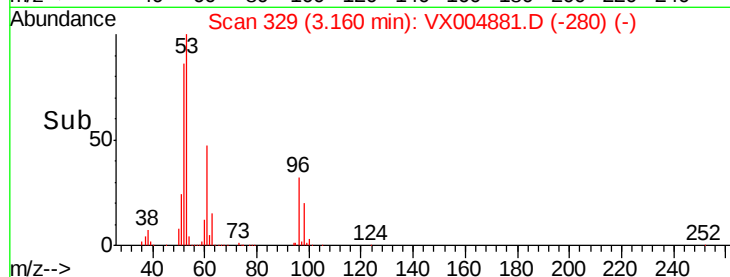
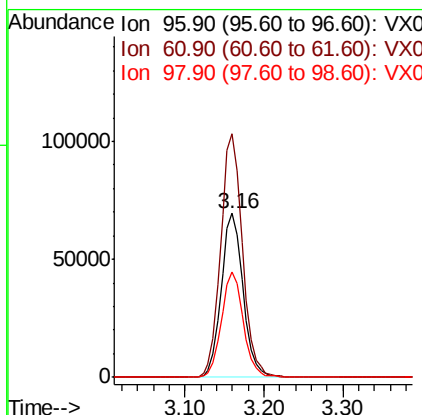
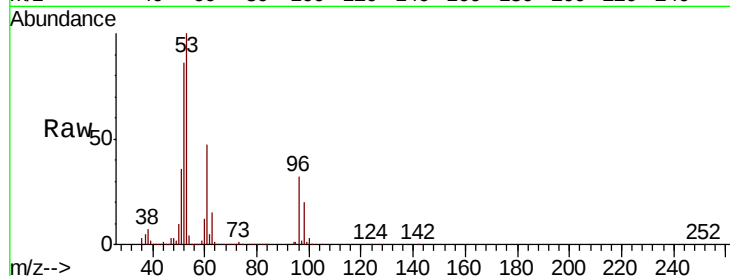
Acq: 01 Oct 2018 19:56

Instrument :
MSVOA_X
ClientSampleId :
SA-TW502-0913MS

Tot Ion:	96	Resp:	133958
Ion	Ratio	Lower	Upper
96	100		
61	148.5	113.8	170.6
98	64.4	51.8	77.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 57.372 ug/l

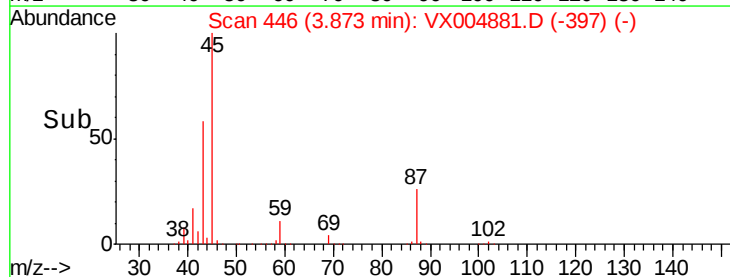
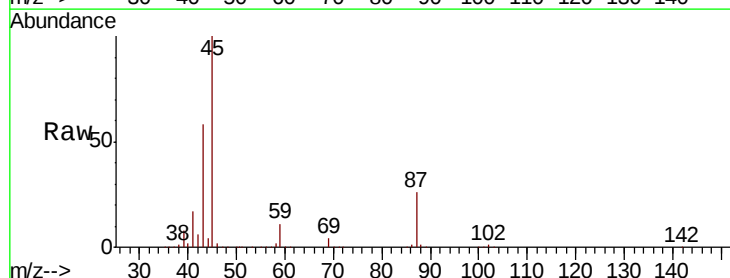
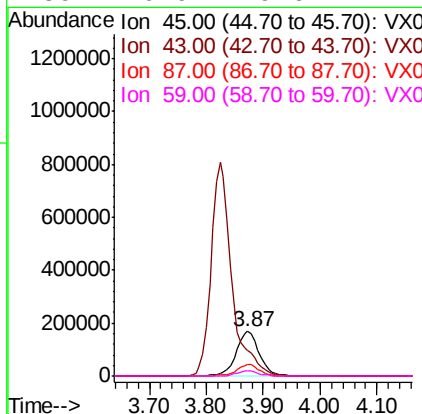
RT: 3.87 min Scan# 446

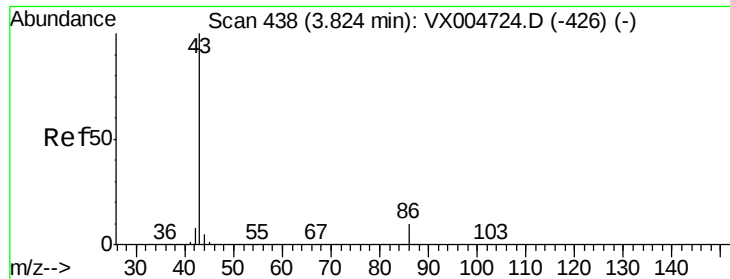
Delta R.T. -0.00 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

Tgt Ion:	45	Resp:	475373
Ion	Ratio	Lower	Upper
45	100		
43	57.2	42.8	64.2
87	26.2	22.6	34.0
59	10.9	9.6	14.4





#23

Vinyl Acetate

Concen: 269.041 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

Instrument :

MSVOA_X

ClientSampleId :

SA-TW502-0913MS

Tot Ion: 43 Resp: 2040537

Ion Ratio Lower Upper

43 100

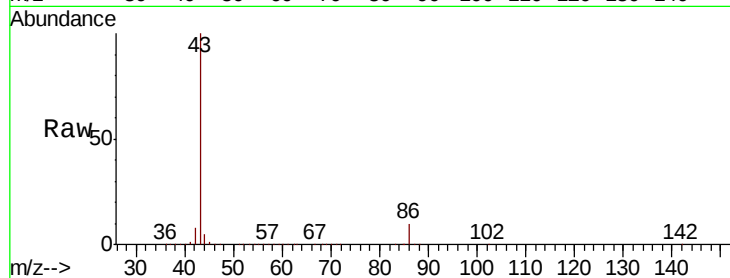
86 9.7 8.9 13.3

Manual Integrations

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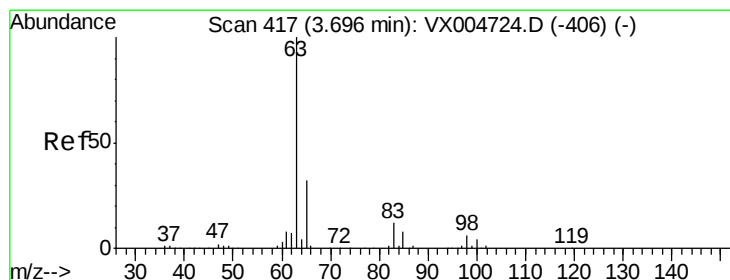
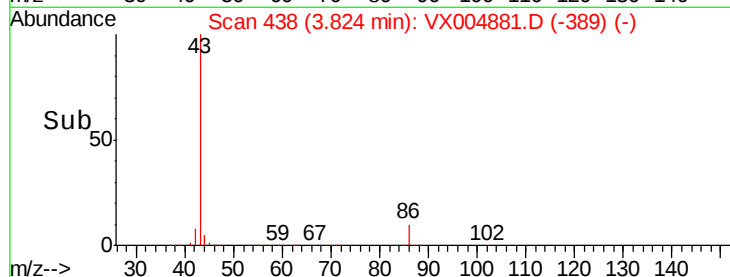
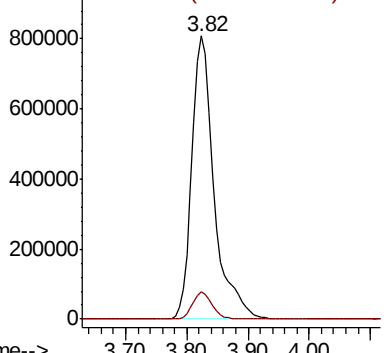
MMDadoda

10/4/2018 7:07:53 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 52.694 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

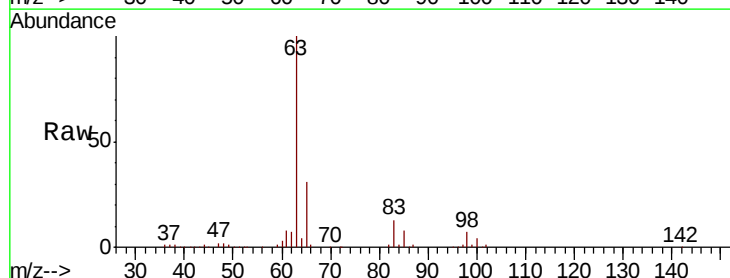
Tgt Ion: 63 Resp: 260443

Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.4

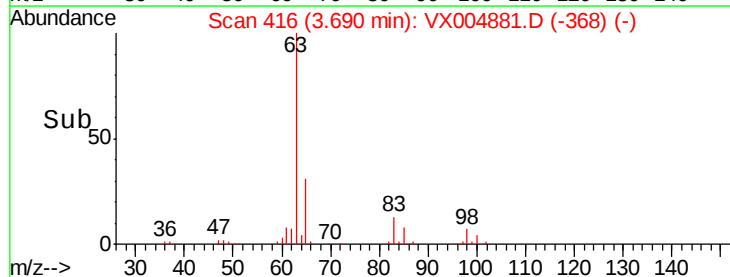
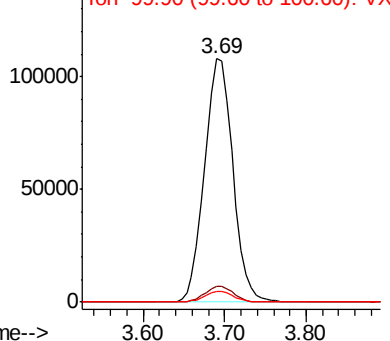
100 4.2 2.4 7.1

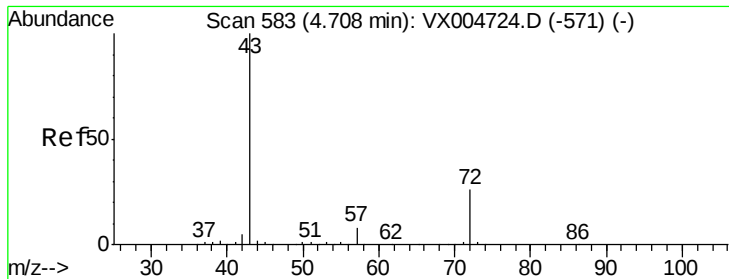


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 280.924 ug/l

RT: 4.71 min Scan# 583

Delta R.T. -0.00 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

Instrument :

MSVOA_X

ClientSampleId :

SA-TW502-0913MS

Tot Ion: 43 Resp: 718769

Ion Ratio Lower Upper

43 100

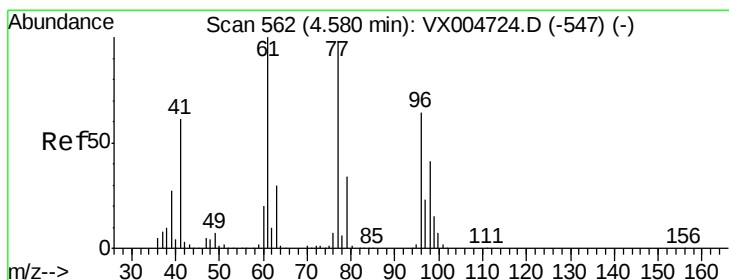
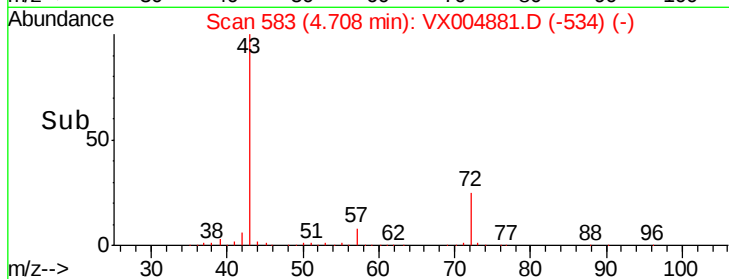
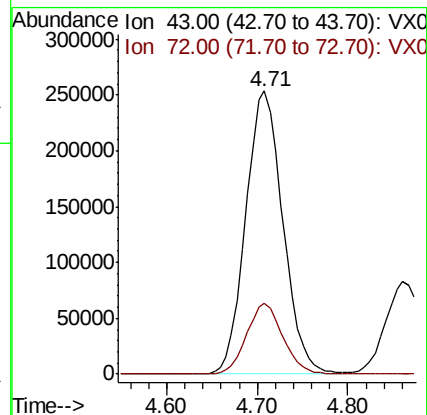
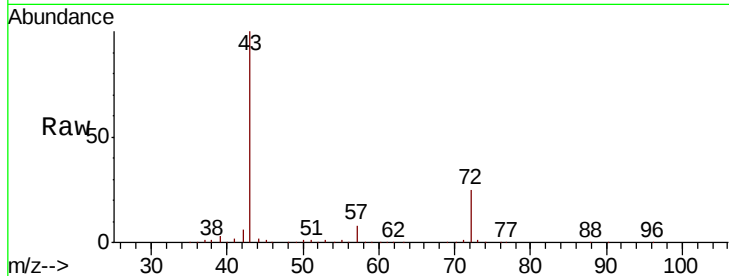
72 25.0 22.0 33.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 49.776 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX004881.D

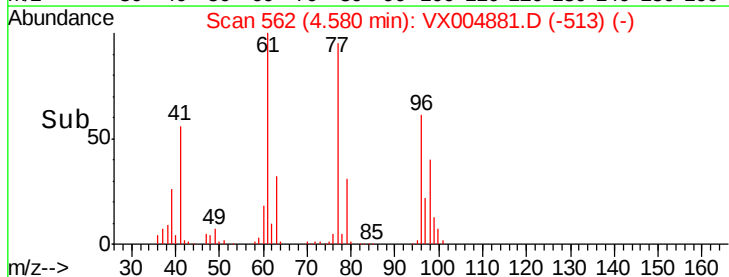
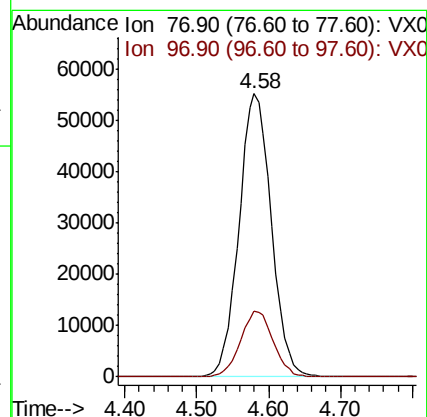
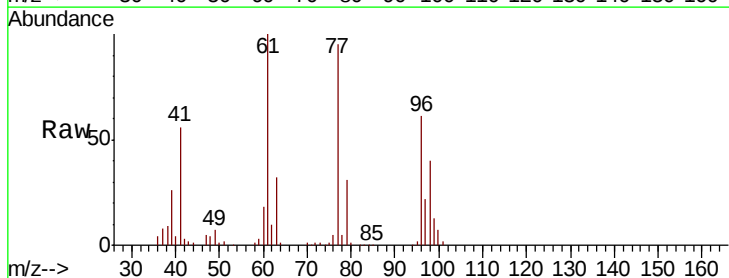
Acq: 01 Oct 2018 19:56

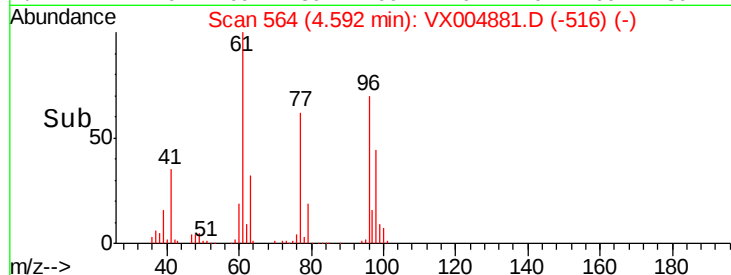
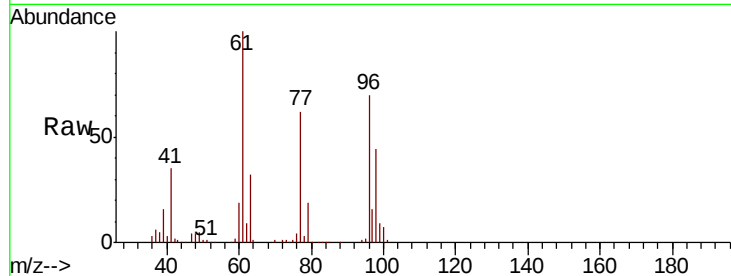
Tgt Ion: 77 Resp: 171319

Ion Ratio Lower Upper

77 100

97 23.6 11.7 35.0





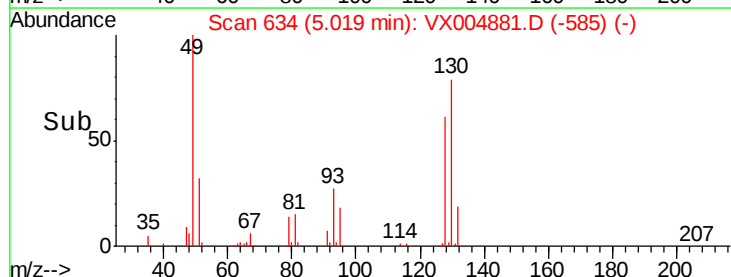
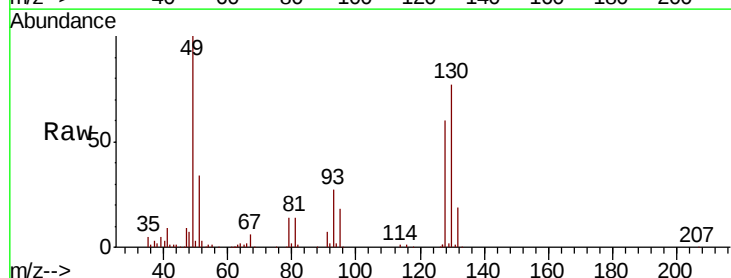
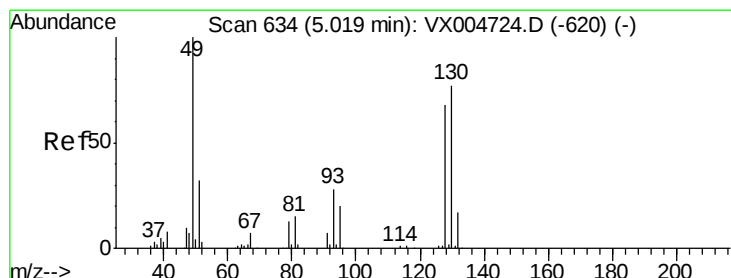
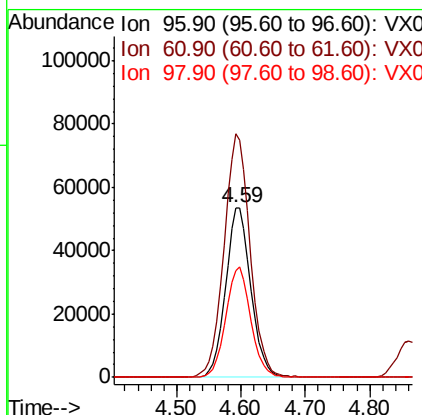
#27
 cis-1,2-Dichloroethene
 Concen: 53.391 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX004881.D
 Acq: 01 Oct 2018 19:56

Tot Ion	Ratio	Resp	Lower	Upper
96	100	147243		
61	149.1	0.0	282.6	
98	64.5	0.0	130.2	

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW502-0913MS

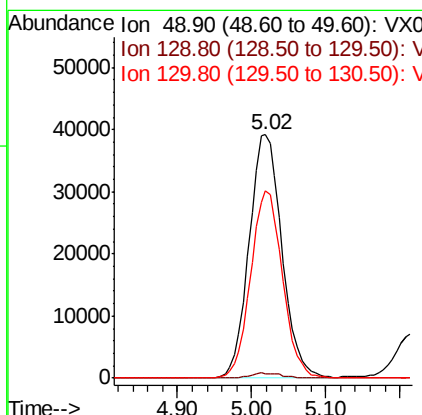
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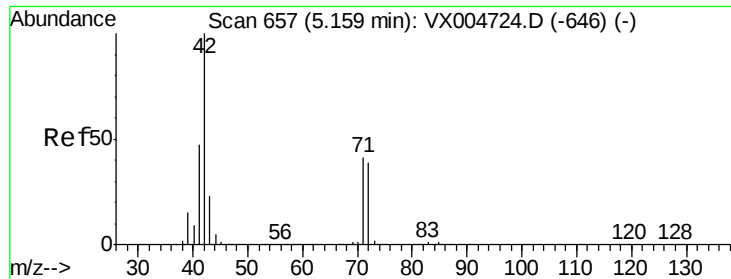
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#28
 Bromochloromethane
 Concen: 52.095 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VX004881.D
 Acq: 01 Oct 2018 19:56

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	121252		
129	2.0	0.0	4.2	
130	74.6	67.5	101.3	





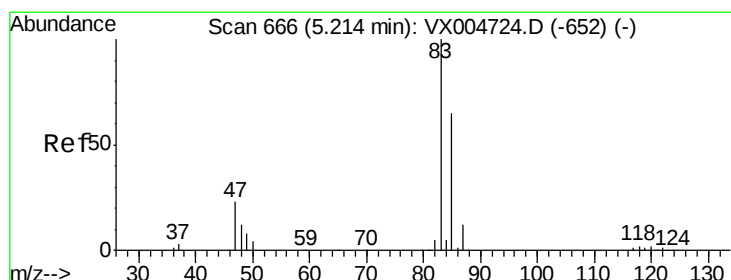
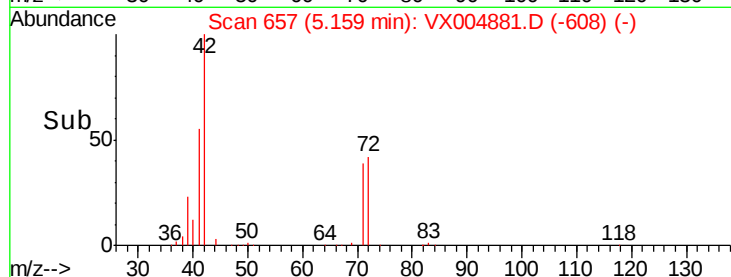
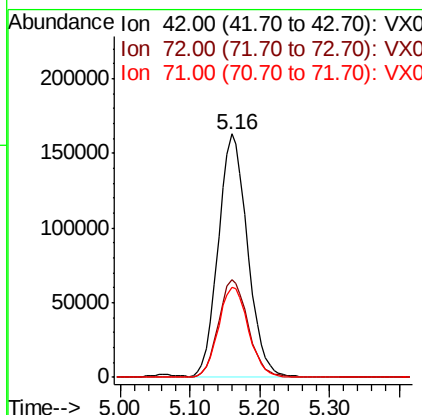
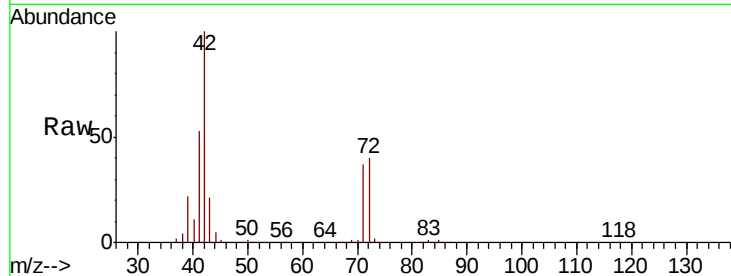
#29
Tetrahydrofuran
Concen: 296.640 ug/l
RT: 5.16 min Scan# 657
Delta R.T. -0.00 min
Lab File: VX004881.D
Acq: 01 Oct 2018 19:56

Instrument :
MSVOA_X
ClientSampleId :
SA-TW502-0913MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.9	37.4	56.0
71	38.1	34.5	51.7

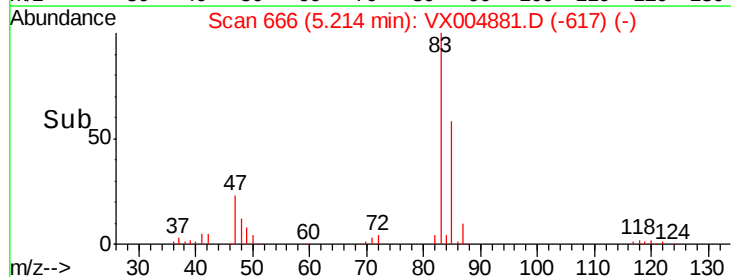
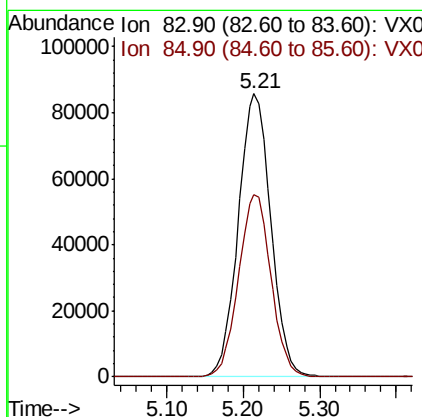
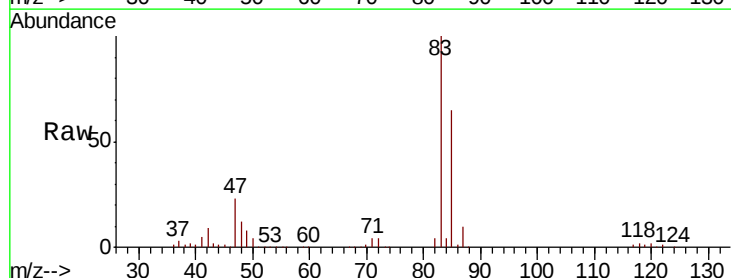
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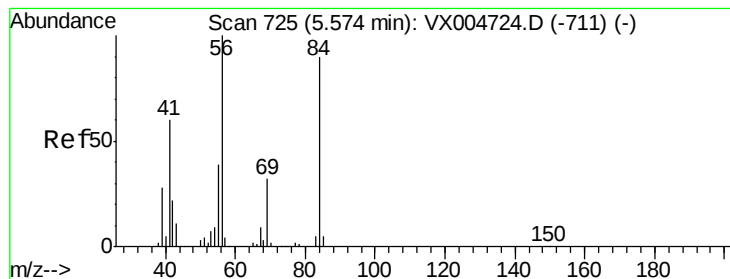
MMDadoda
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#30
Chloroform
Concen: 54.260 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX004881.D
Acq: 01 Oct 2018 19:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.6	79.0





#31

Cyclohexane

Concen: 58.314 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

Instrument :

MSVOA_X

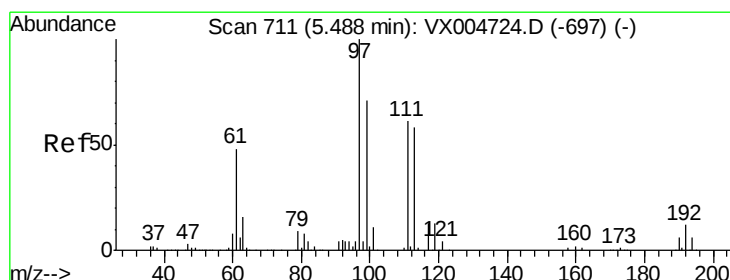
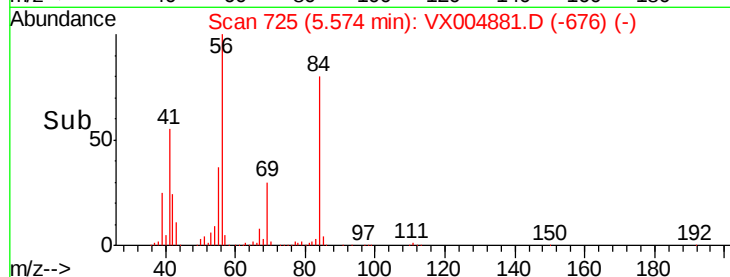
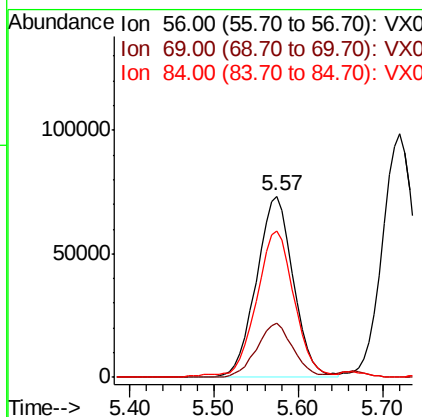
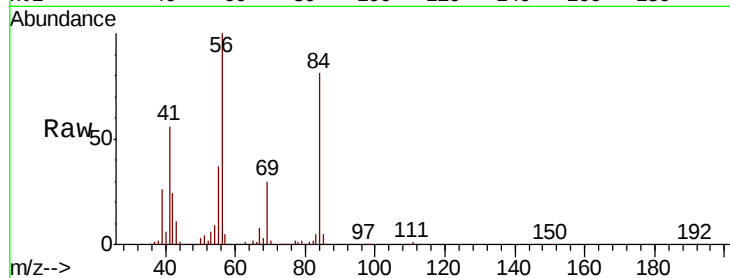
ClientSampleId :

SA-TW502-0913MS

Tot Ion:	56	Resp:	220597
Ion Ratio	Lower	Upper	
56	100		
69	29.6	25.4	38.2
84	79.9	71.4	107.2

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#32

1,1,1-Trichloroethane

Concen: 56.405 ug/l

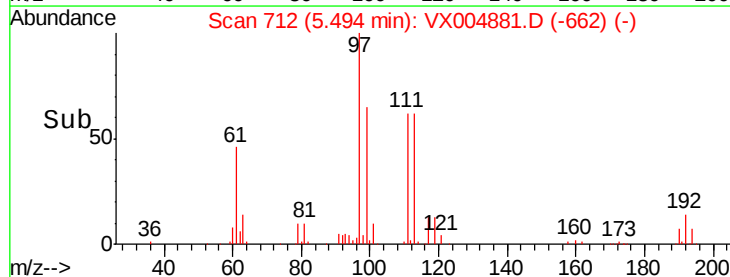
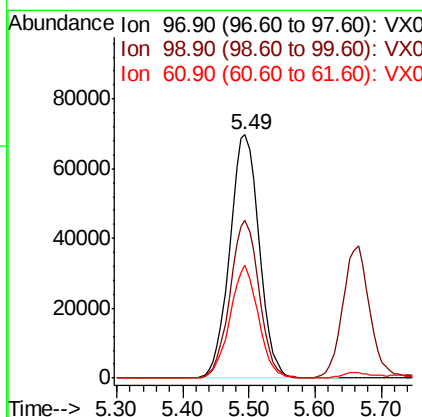
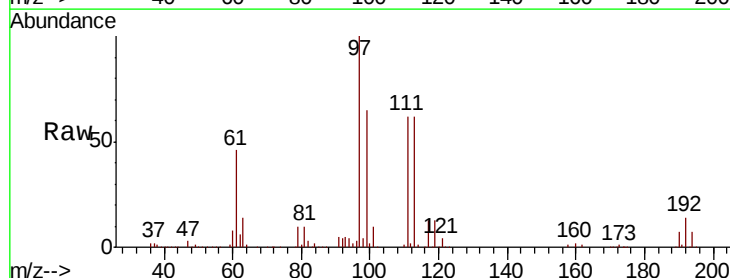
RT: 5.49 min Scan# 712

Delta R.T. 0.01 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

Tgt Ion:	97	Resp:	215177
Ion Ratio	Lower	Upper	
97	100		
99	64.1	52.0	78.0
61	44.7	34.9	52.3





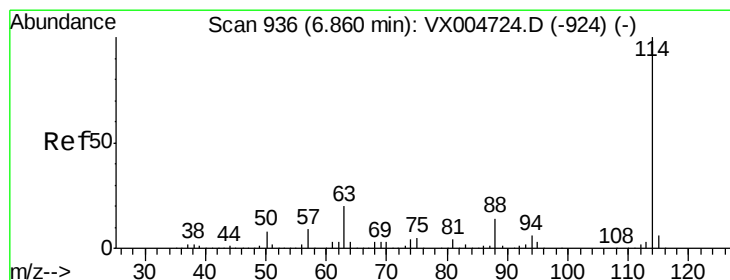
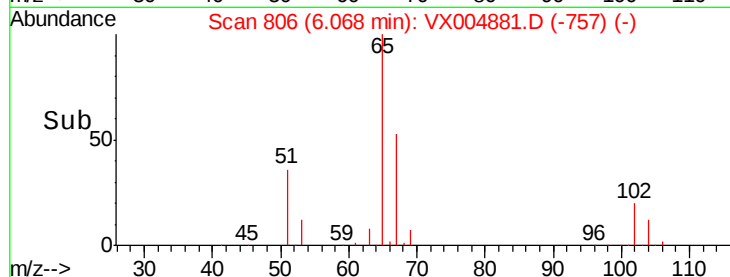
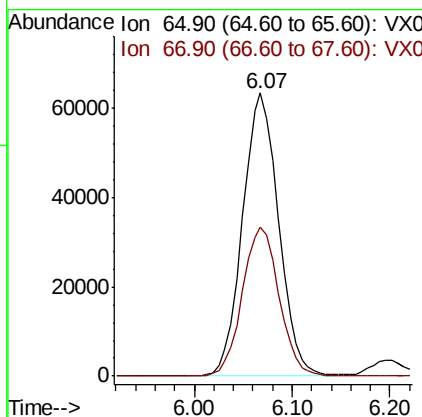
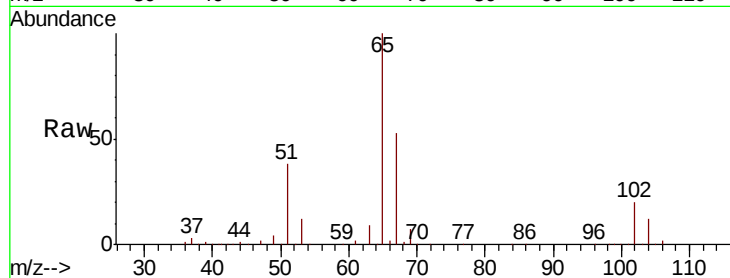
#33
 1,2-Dichloroethane-d4
 Concen: 54.538 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004881.D
 Acq: 01 Oct 2018 19:56

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW502-0913MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100	162150		
67	53.7	0.0	106.8	

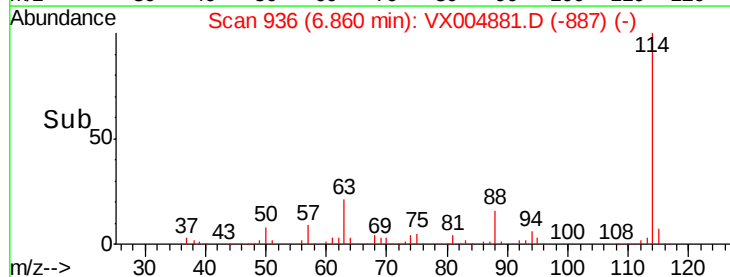
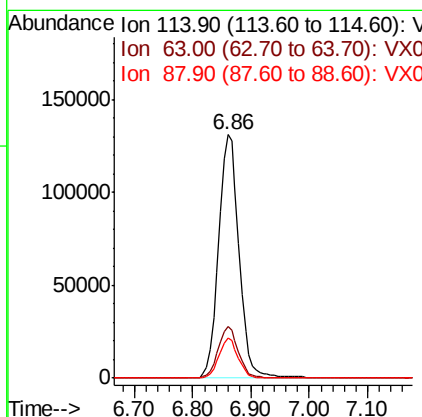
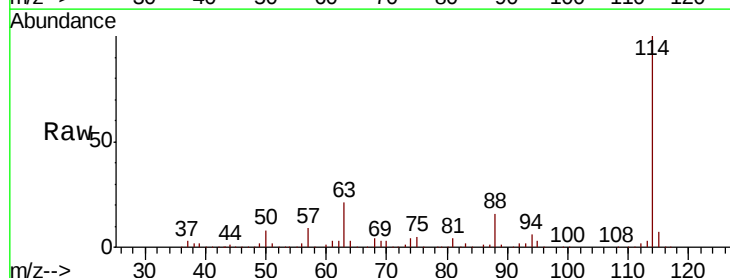
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004881.D
 Acq: 01 Oct 2018 19:56

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	318368		
63	21.4	0.0	39.0	
88	16.3	0.0	30.4	





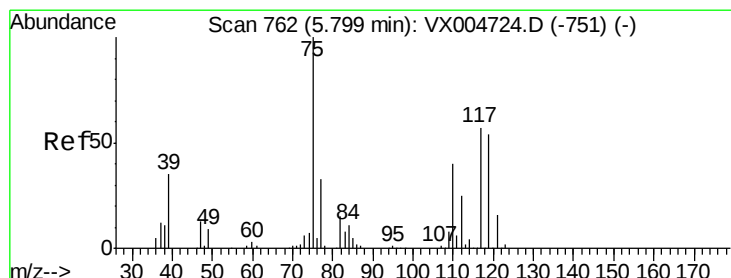
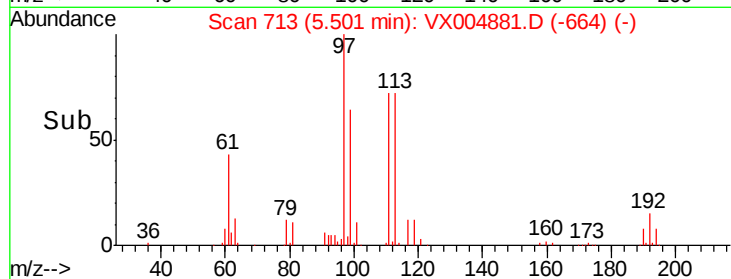
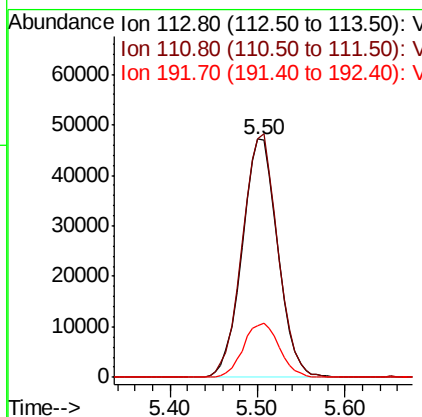
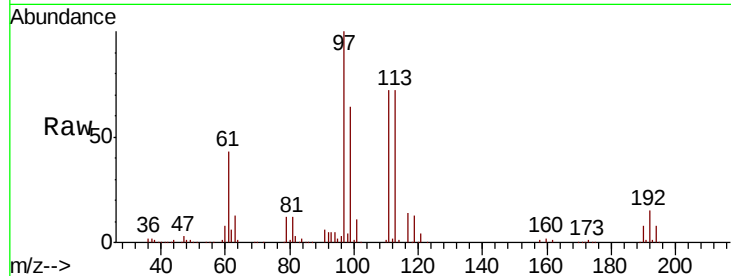
#35
 Dibromofluoromethane
 Concen: 49.398 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX004881.D
 Acq: 01 Oct 2018 19:56

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW502-0913MS

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.4	123.6
192	23.2	19.4	29.2

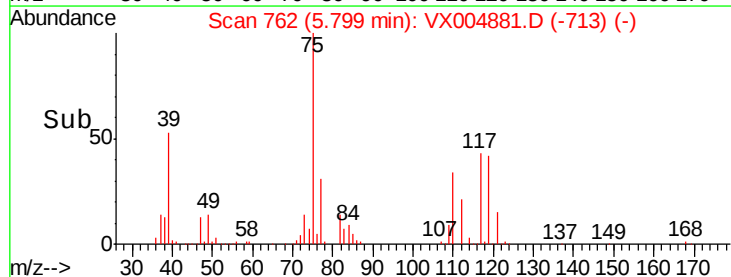
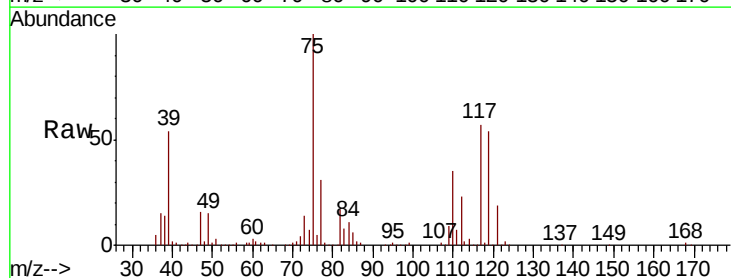
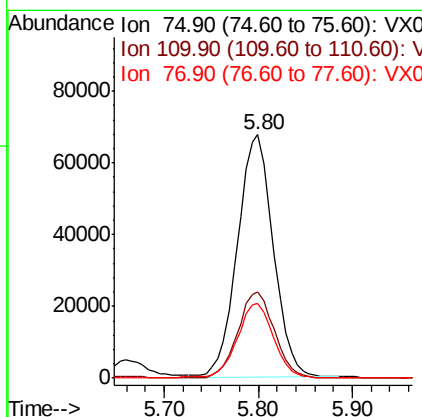
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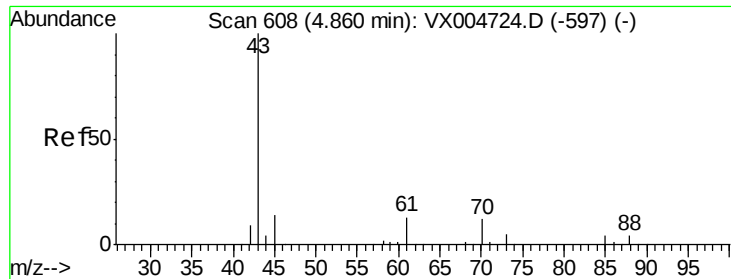
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#36
 1,1-Dichloropropene
 Concen: 49.044 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX004881.D
 Acq: 01 Oct 2018 19:56

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.0	18.0	54.0
77	31.5	24.6	36.8





#37

Ethyl Acetate

Concen: 49.458 ug/l

RT: 4.86 min Scan# 608

Delta R.T. -0.00 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

Instrument :

MSVOA_X

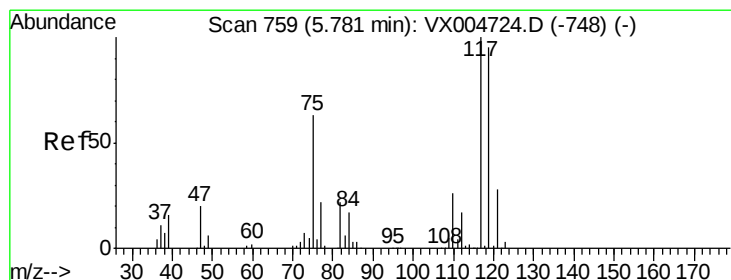
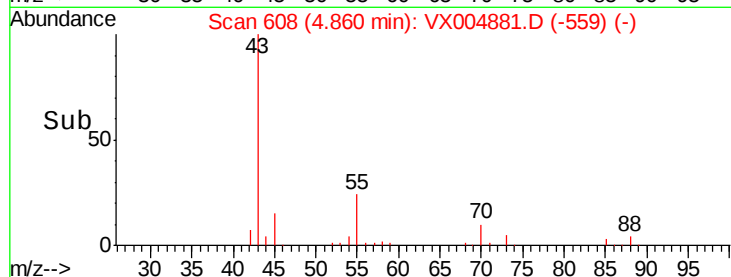
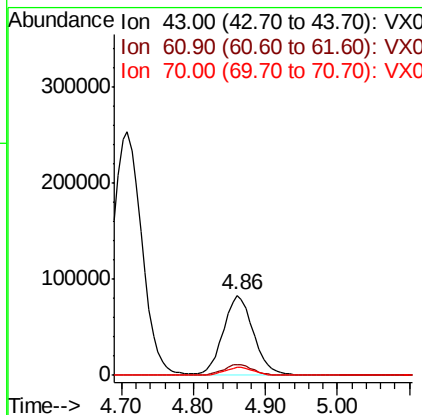
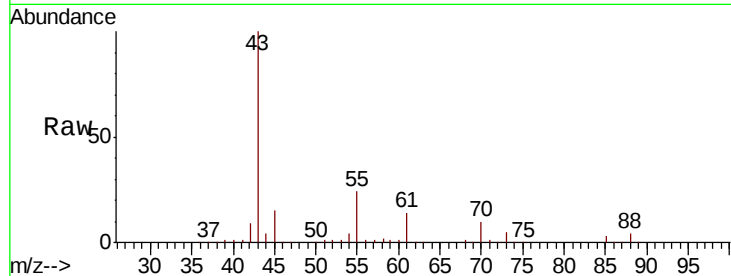
ClientSampleId :

SA-TW502-0913MS

Tot Ion:	43	Resp:	241682
Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.5	17.3
70	9.8	9.0	13.6

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#38

Carbon Tetrachloride

Concen: 48.460 ug/l

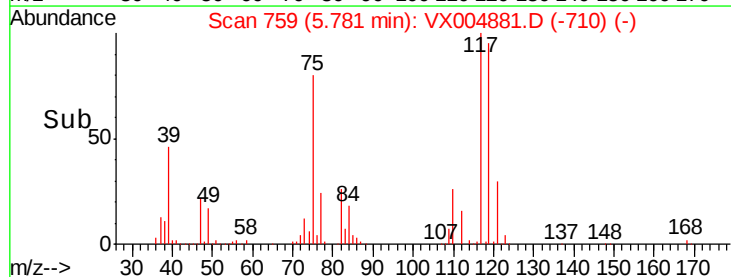
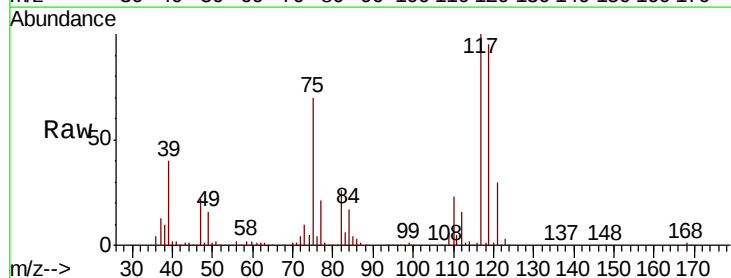
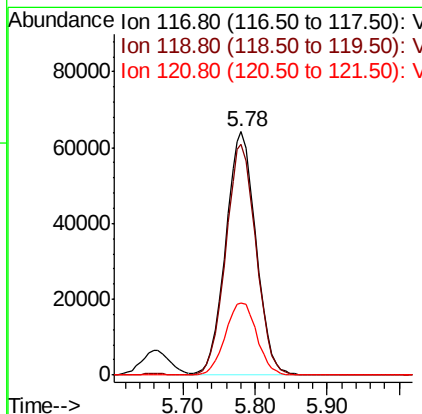
RT: 5.78 min Scan# 759

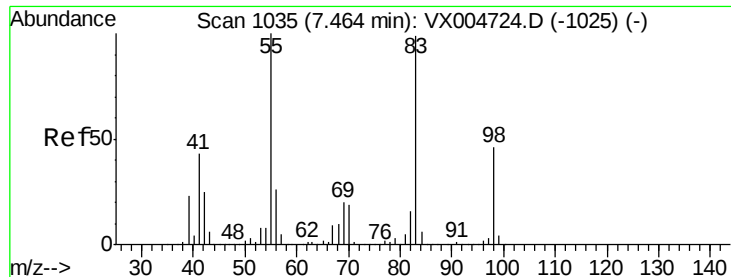
Delta R.T. -0.00 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

Tgt Ion:	117	Resp:	187529
Ion	Ratio	Lower	Upper
117	100		
119	95.0	78.8	118.2
121	29.8	24.9	37.3





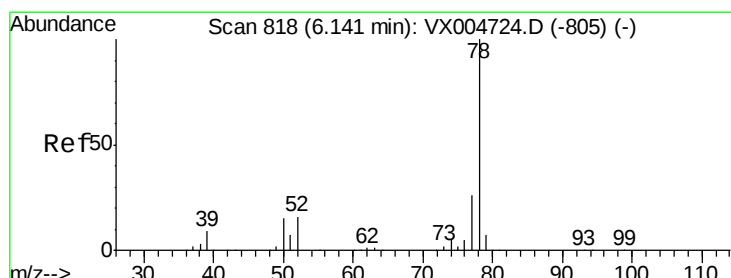
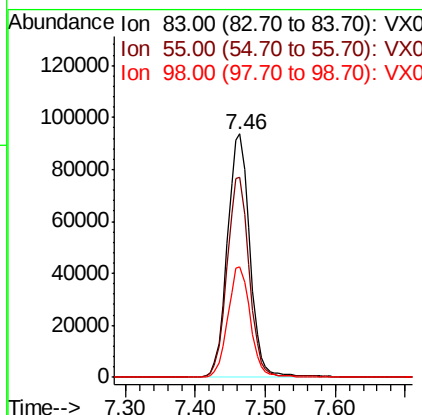
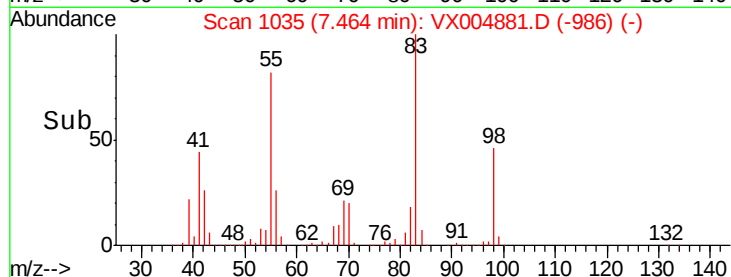
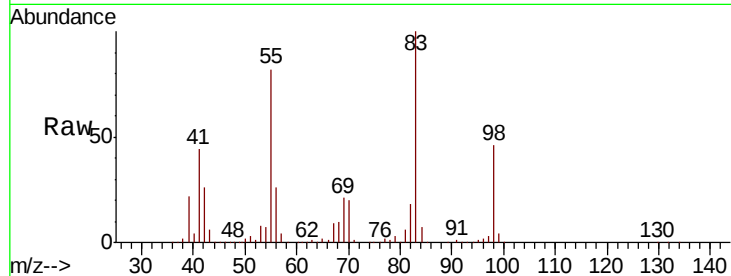
#39
Methvlcvclohexane
Concen: 55.728 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX004881.D
Acq: 01 Oct 2018 19:56

Instrument :
MSVOA_X
ClientSampleId :
SA-TW502-0913MS

Tot Ion	83.00	Resp	209484
Ion Ratio	Lower	Upper	
83	100		
55	82.0	61.0	91.4
98	45.6	39.6	59.4

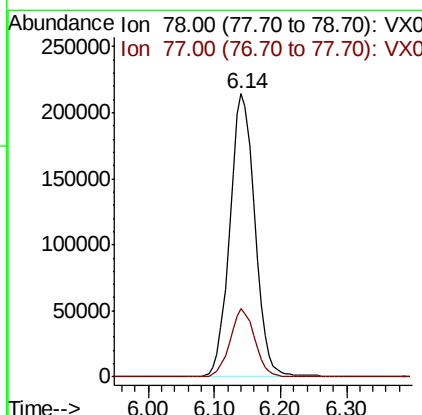
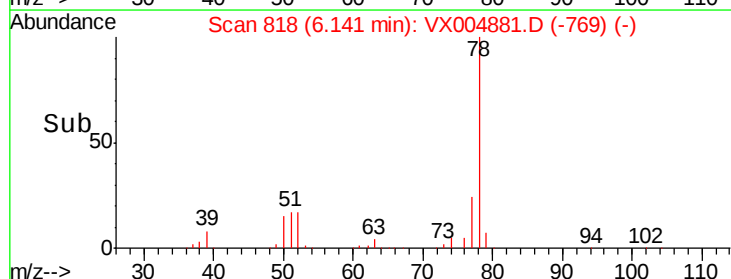
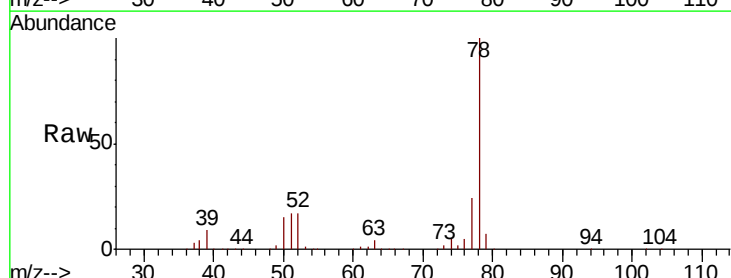
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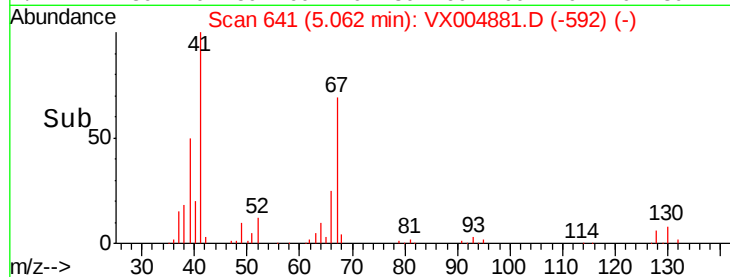
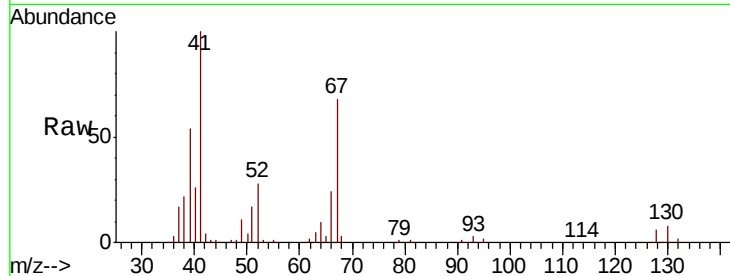
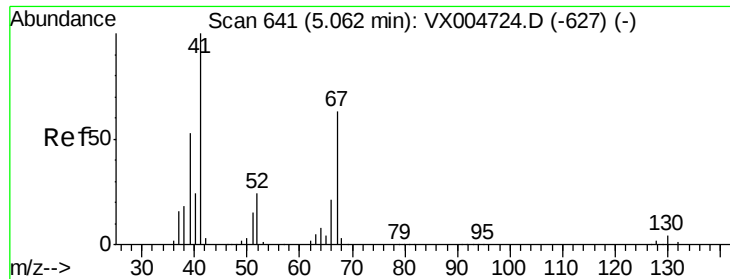
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#40
Benzene
Concen: 48.902 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX004881.D
Acq: 01 Oct 2018 19:56

Tgt Ion	78.00	Resp	563609
Ion Ratio	Lower	Upper	
78	100		
77	24.2	19.0	28.4





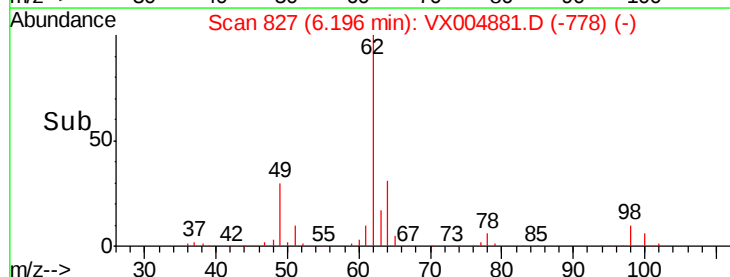
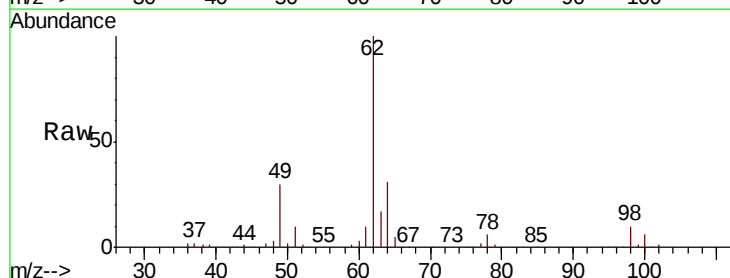
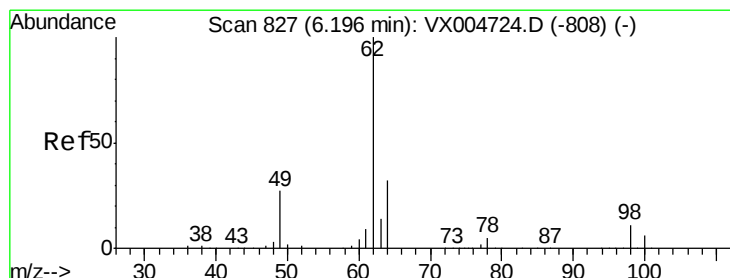
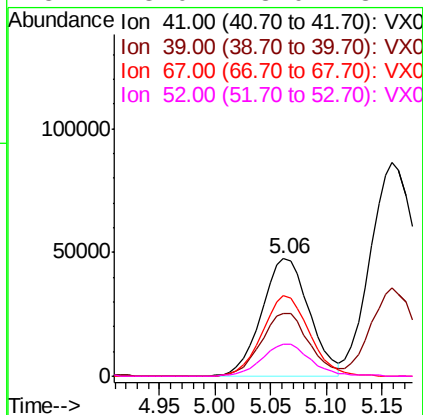
#41
Methacrylonitrile
Concen: 51.986 ug/l
RT: 5.06 min Scan# 641
Delta R.T. -0.00 min
Lab File: VX004881.D
Acq: 01 Oct 2018 19:56

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	41	100			
39	39	53.4	42.4	63.6	
67	67	68.1	59.2	88.8	
52	52	28.0	23.0	34.4	

Instrument :
MSVOA_X
ClientSampleId :
SA-TW502-0913MS

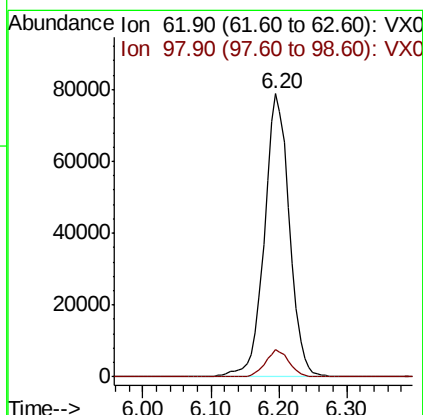
Manual Integrations
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#42
1,2-Dichloroethane
Concen: 49.719 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX004881.D
Acq: 01 Oct 2018 19:56

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





#43

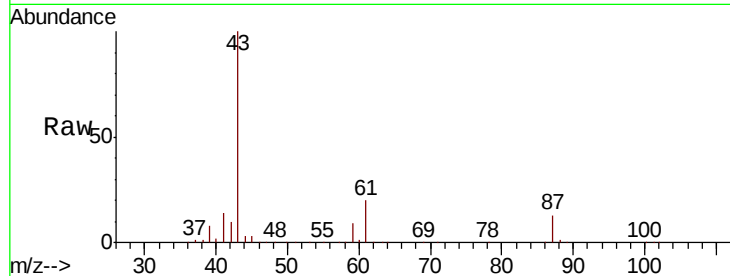
Isopropyl Acetate
 Concen: 50.823 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. -0.00 min
 Lab File: VX004881.D
 Acq: 01 Oct 2018 19:56

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW502-0913MS

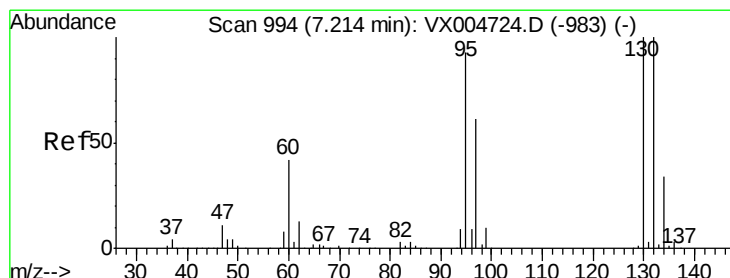
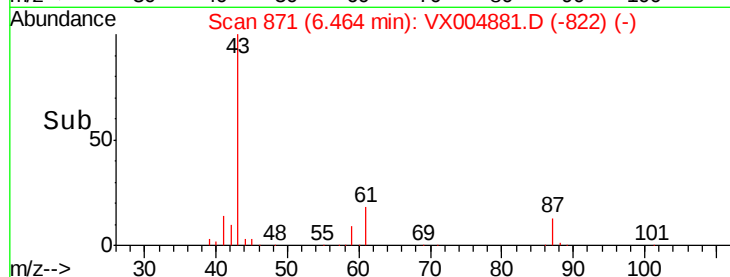
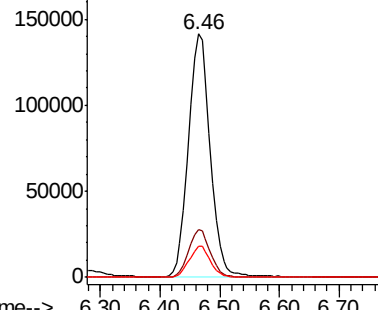
Tot Ion	43	61	87
Resp	358458		
Ratio	100	19.6	12.6
Lower		17.0	11.4
Upper		25.4	17.2

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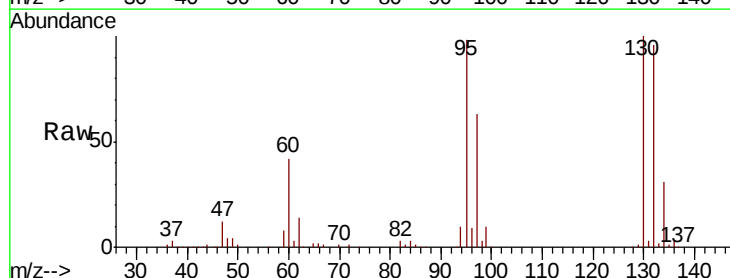
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



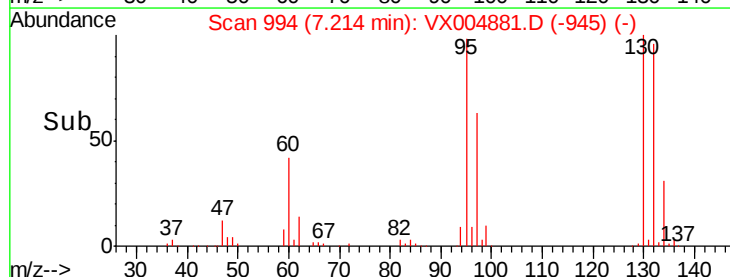
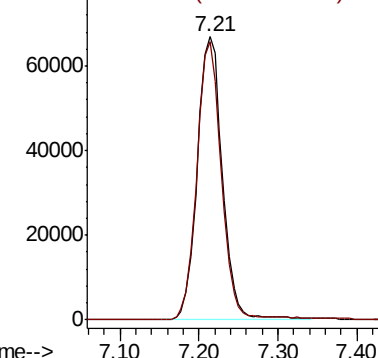
#44

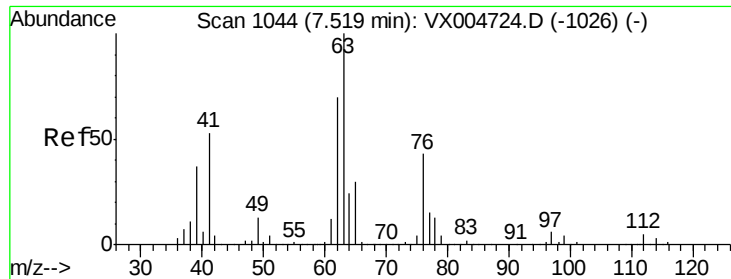
Trichloroethene
 Concen: 52.423 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX004881.D
 Acq: 01 Oct 2018 19:56

Tgt Ion	130	95
Resp	148528	
Ratio	100	98.1
Lower		0.0
Upper		181.6



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 54.700 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

Instrument :

MSVOA_X

ClientSampleId :

SA-TW502-0913MS

Tot Ion: 63 Resp: 154601

Ion Ratio Lower Upper

63 100

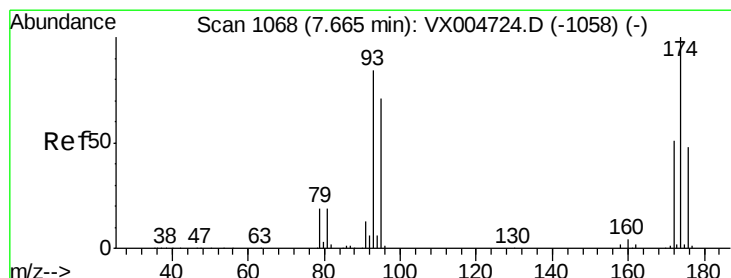
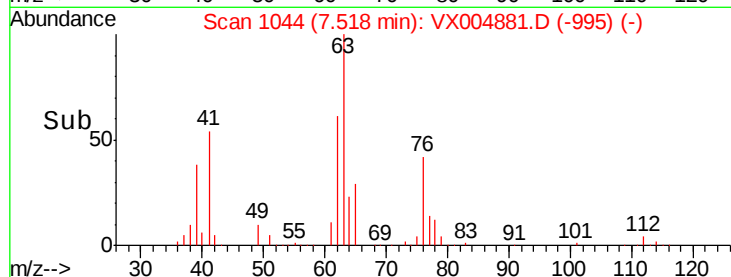
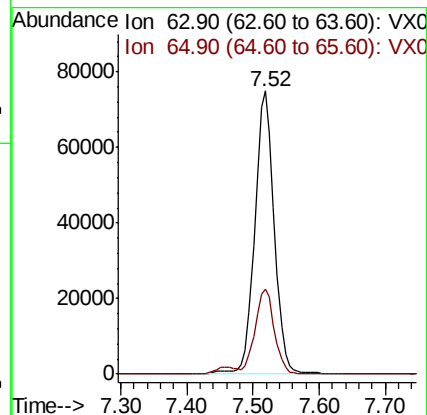
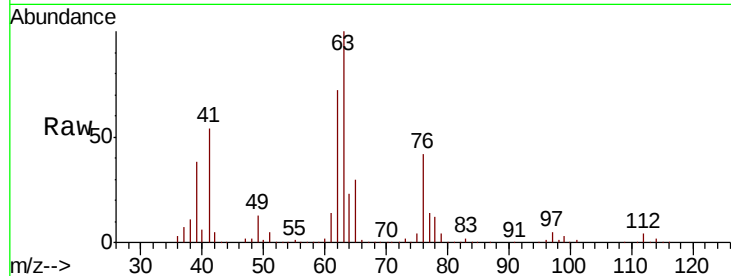
65 30.0 24.3 36.5

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#46

Dibromomethane

Concen: 55.391 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

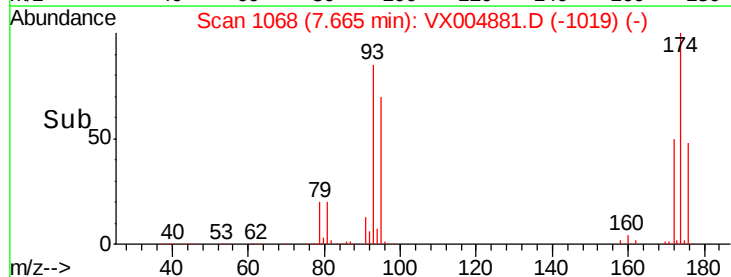
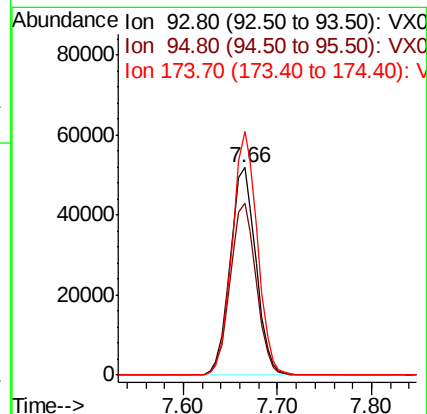
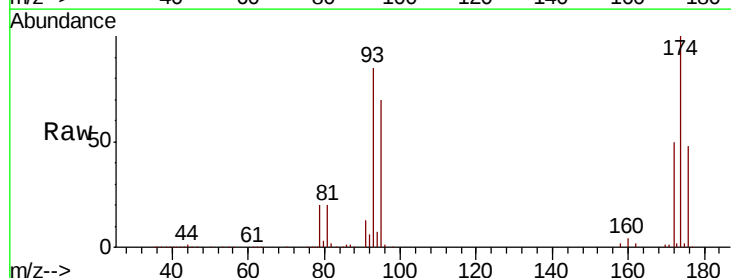
Tgt Ion: 93 Resp: 98388

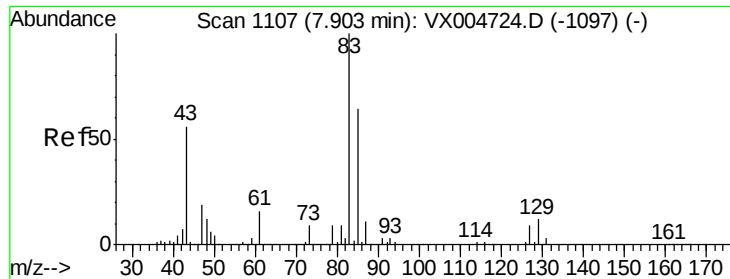
Ion Ratio Lower Upper

93 100

95 83.7 65.5 98.3

174 114.9 94.2 141.4





#47

Bromodichloromethane

Concen: 56.855 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

Instrument :

MSVOA_X

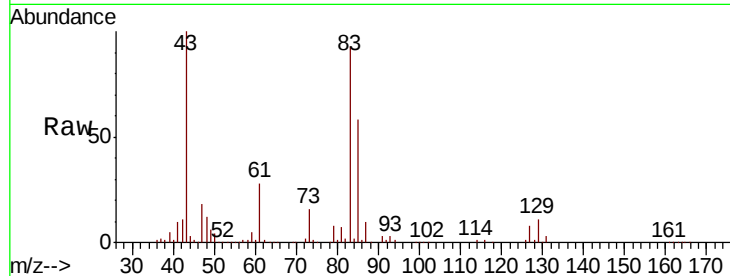
ClientSampleId :

SA-TW502-0913MS

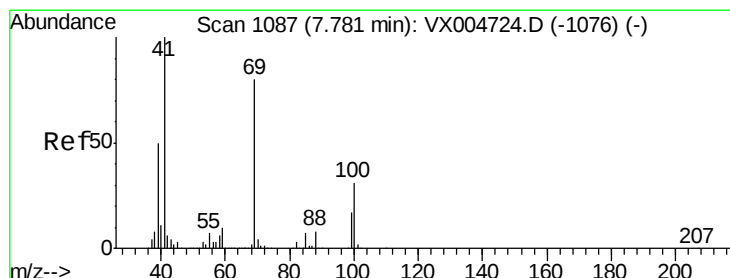
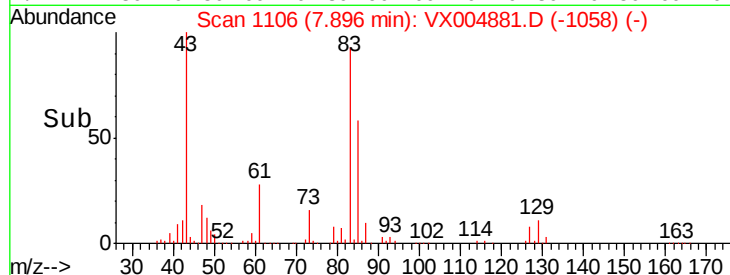
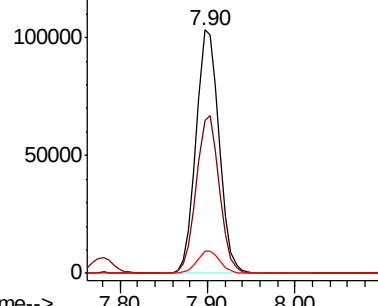
Tot Ion:	83	Resp:	189078
Ion Ratio	Lower	Upper	
83	100		
85	62.7	50.9	76.3
127	9.0	7.3	10.9

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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: 61.502 ug/l

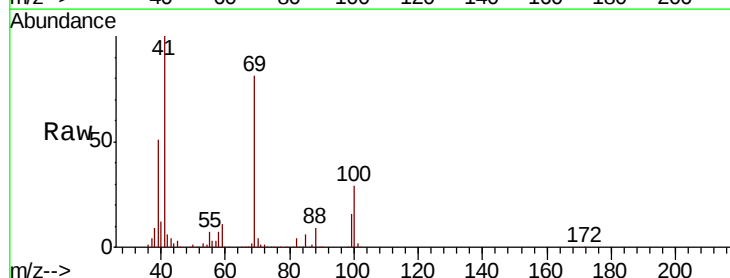
RT: 7.78 min Scan# 1087

Delta R.T. -0.00 min

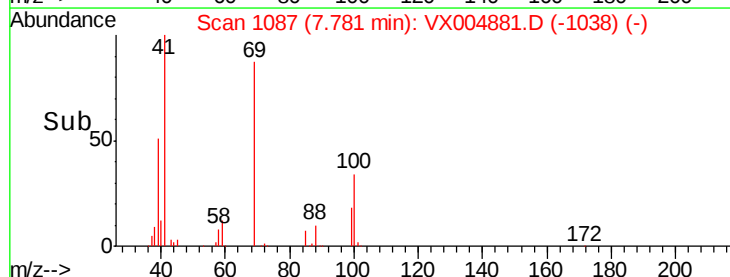
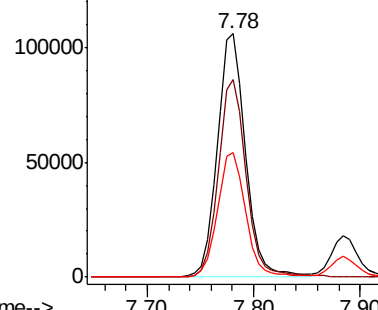
Lab File: VX004881.D

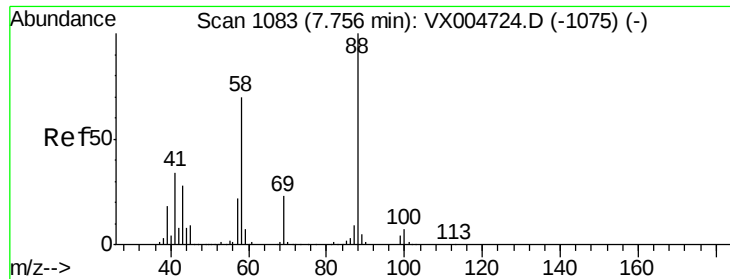
Acq: 01 Oct 2018 19:56

Tgt Ion:	41	Resp:	196887
Ion Ratio	Lower	Upper	
41	100		
69	80.5	70.2	105.4
39	51.1	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





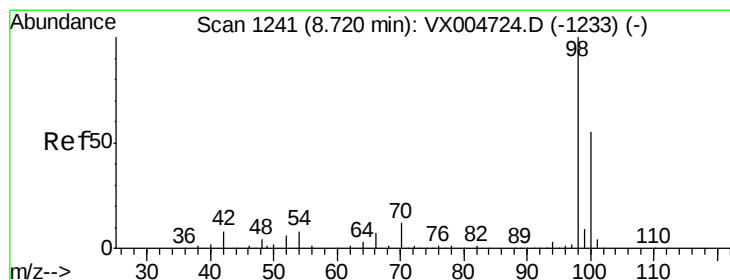
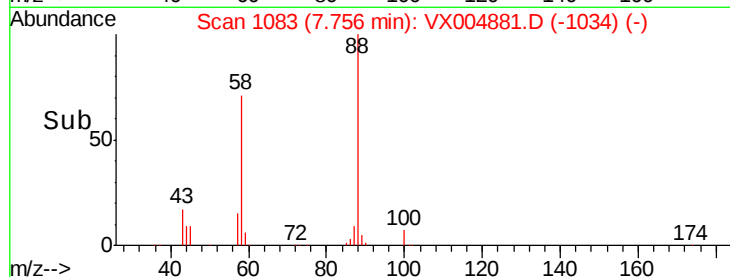
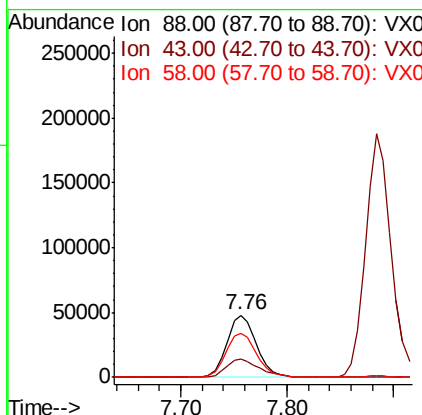
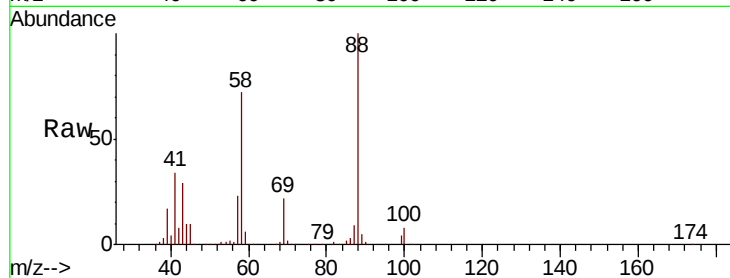
#49
1,4-Dioxane
Concen: 1167.300 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX004881.D
Acq: 01 Oct 2018 19:56

Instrument :
MSVOA_X
ClientSampleId :
SA-TW502-0913MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.6	24.7	37.1
58	74.5	55.3	82.9

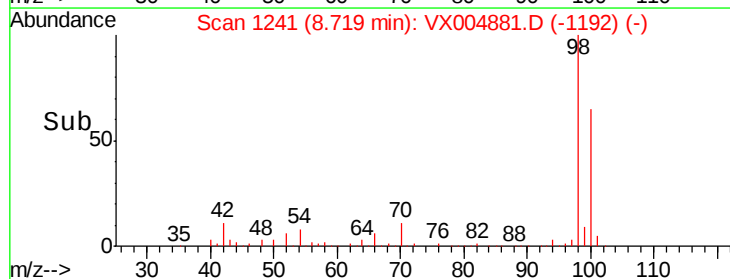
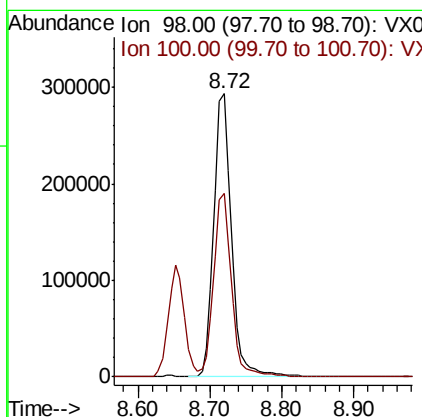
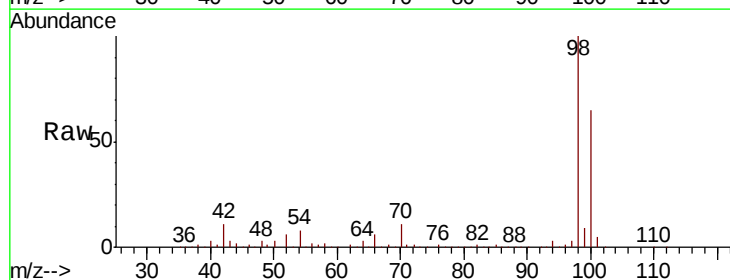
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#50
Toluene-d8
Concen: 55.630 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX004881.D
Acq: 01 Oct 2018 19:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.9	79.3





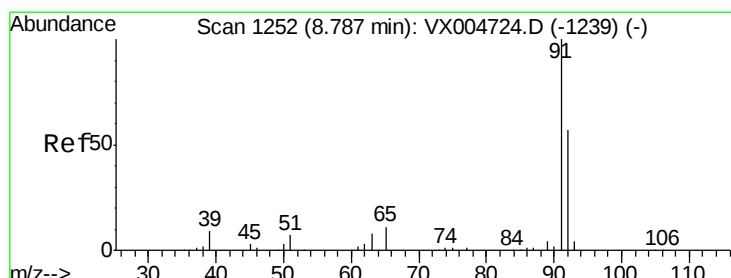
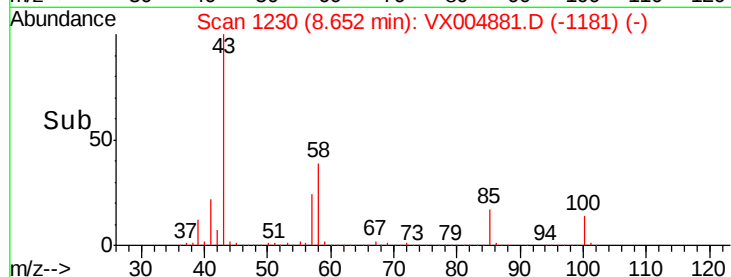
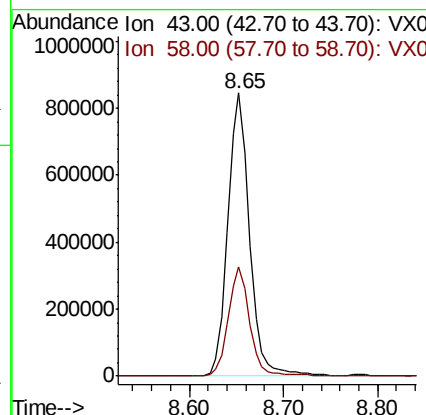
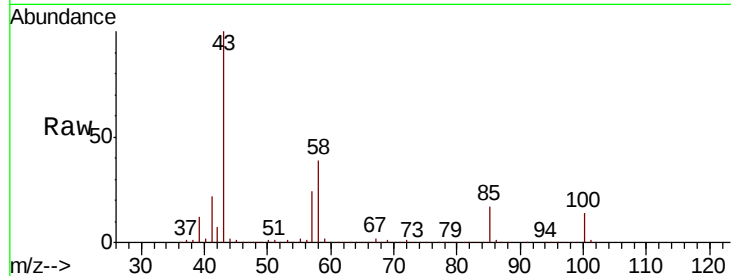
#51
4-Methyl-2-Pentanone
Concen: 303.880 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. -0.00 min
Lab File: VX004881.D
Acq: 01 Oct 2018 19:56

Instrument :
MSVOA_X
ClientSampleId :
SA-TW502-0913MS

Tot Ion: 43 Resp: 1349524
Ion Ratio Lower Upper
43 100
58 38.5 33.1 49.7

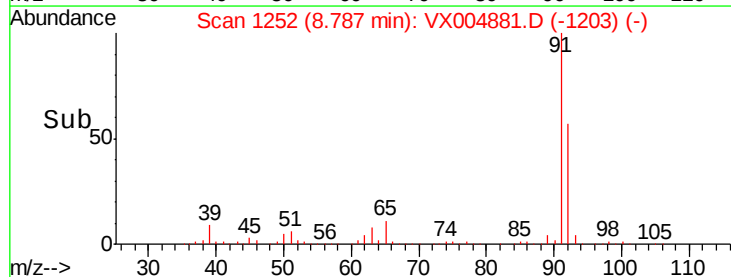
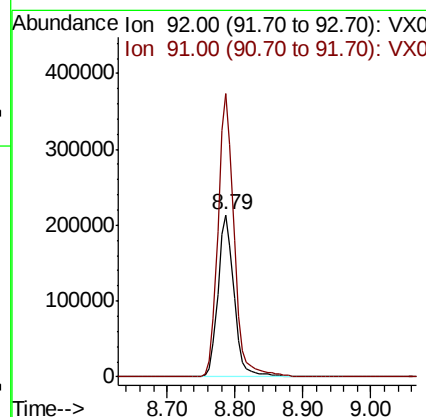
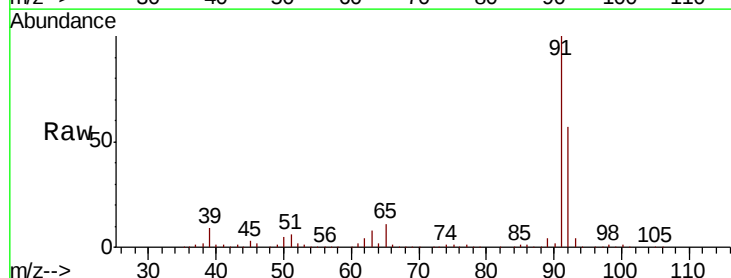
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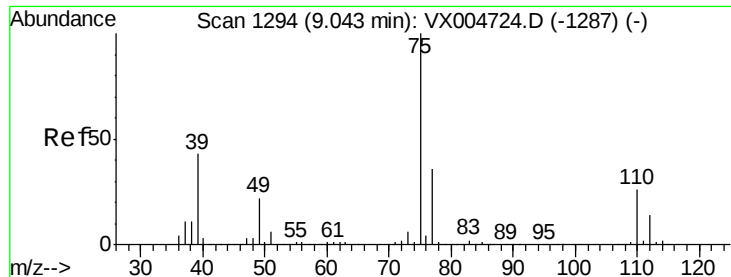
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#52
Toluene
Concen: 55.777 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX004881.D
Acq: 01 Oct 2018 19:56

Tgt Ion: 92 Resp: 353228
Ion Ratio Lower Upper
92 100
91 174.3 136.4 204.6





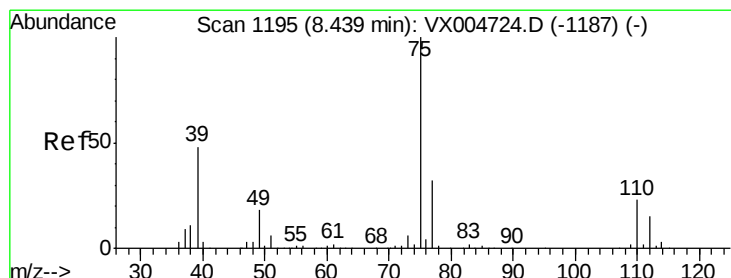
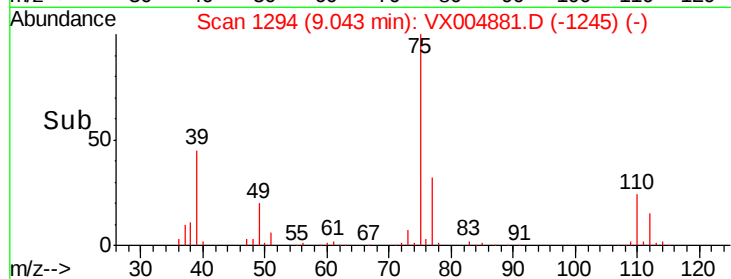
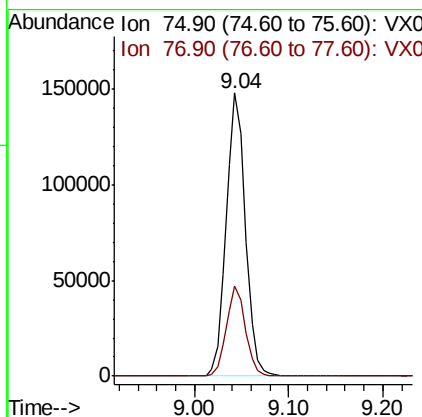
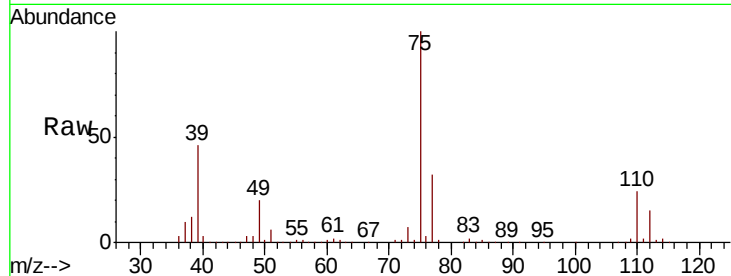
#53
t-1,3-Dichloropropene
Concen: 55.566 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX004881.D
Acq: 01 Oct 2018 19:56

Instrument :
MSVOA_X
ClientSampleId :
SA-TW502-0913MS

Tot Ion: 75 Resp: 208821
Ion Ratio Lower Upper
75 100
77 31.7 24.6 37.0

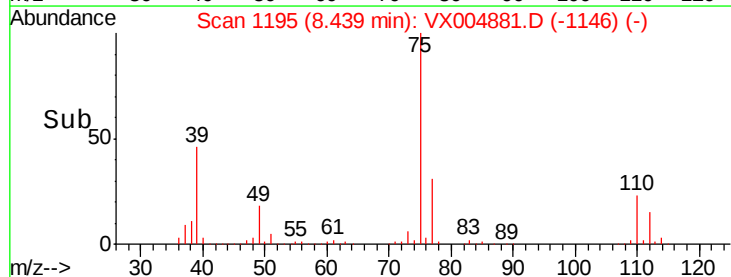
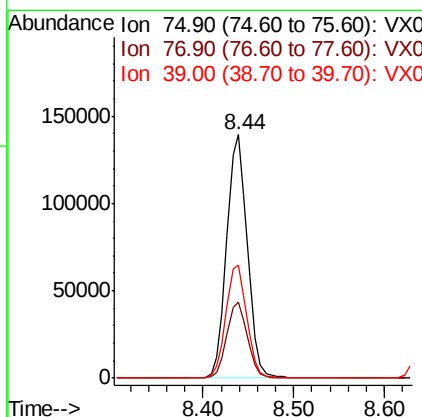
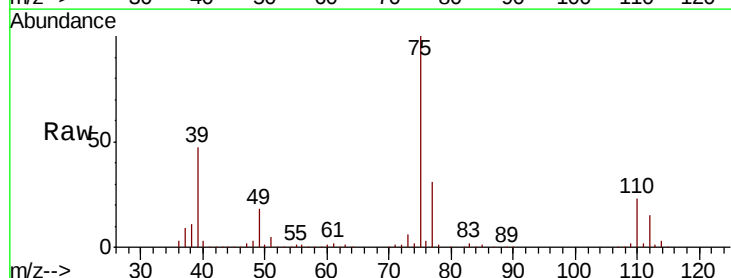
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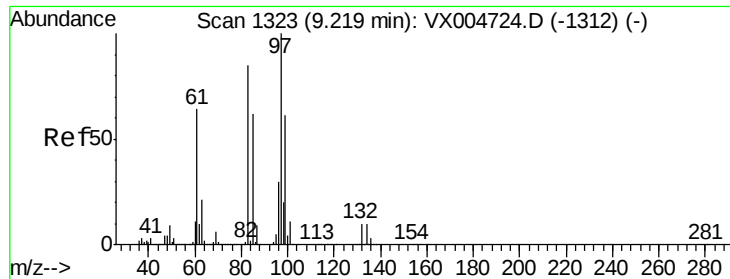
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#54
cis-1,3-Dichloropropene
Concen: 56.044 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. -0.00 min
Lab File: VX004881.D
Acq: 01 Oct 2018 19:56

Tgt Ion: 75 Resp: 220605
Ion Ratio Lower Upper
75 100
77 31.0 26.2 39.2
39 46.4 36.4 54.6





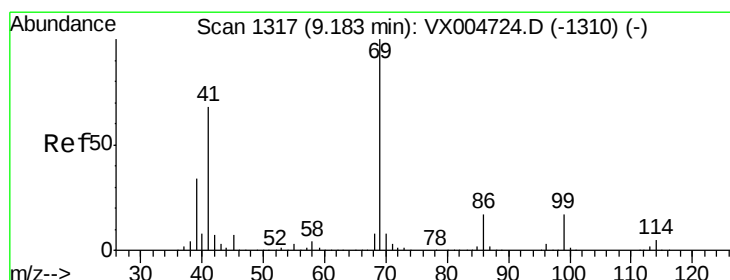
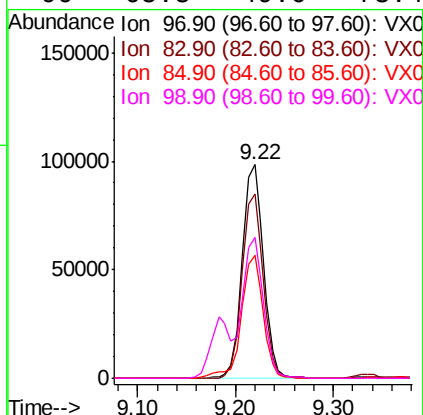
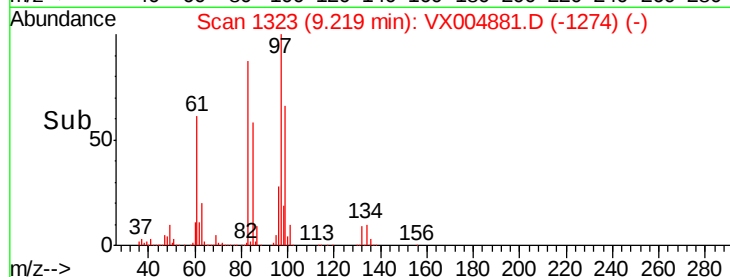
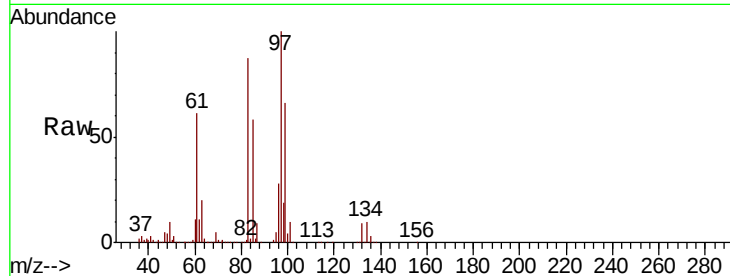
#55
 1,1,2-Trichloroethane
 Concen: 53.632 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VX004881.D
 Acq: 01 Oct 2018 19:56

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW502-0913MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100				
83	86.6	66.4	99.6		
85	57.8	43.3	64.9		
99	65.8	49.0	73.4		

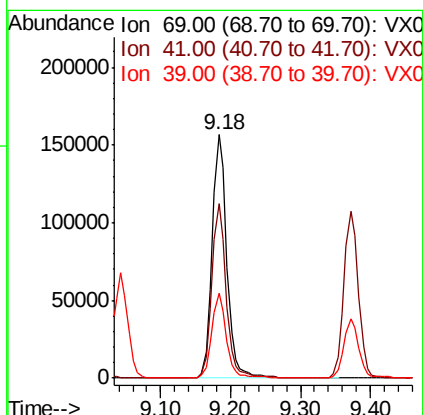
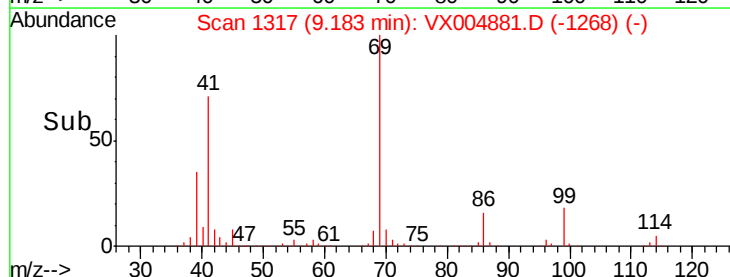
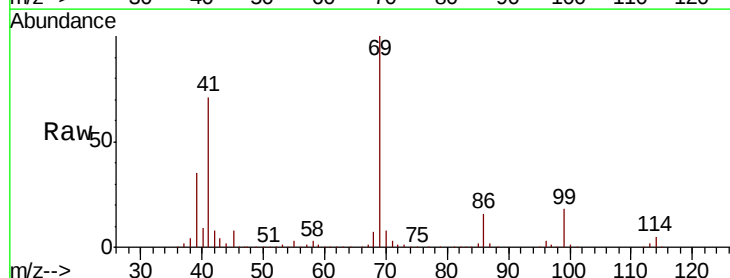
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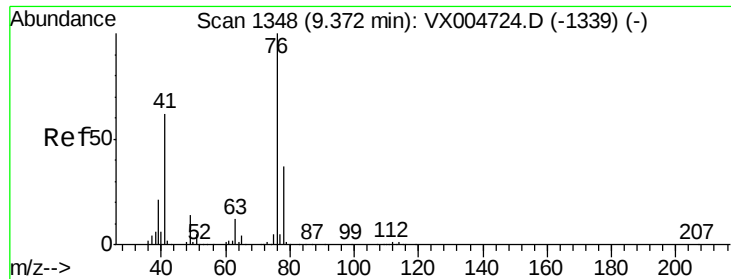
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#56
 Ethyl methacrylate
 Concen: 51.054 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX004881.D
 Acq: 01 Oct 2018 19:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	69.7	51.0	76.4		
39	34.1	26.1	39.1		





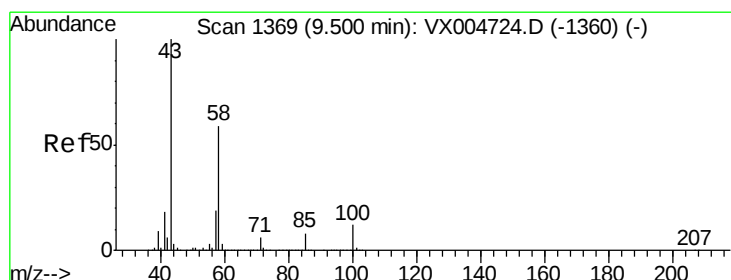
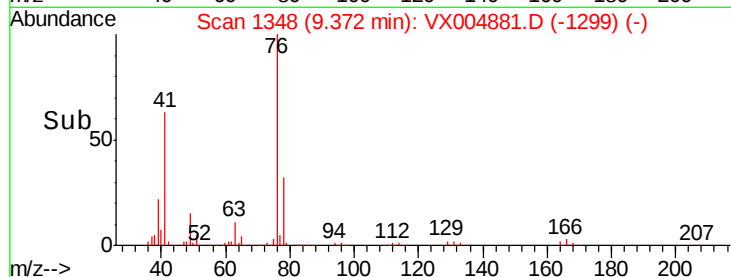
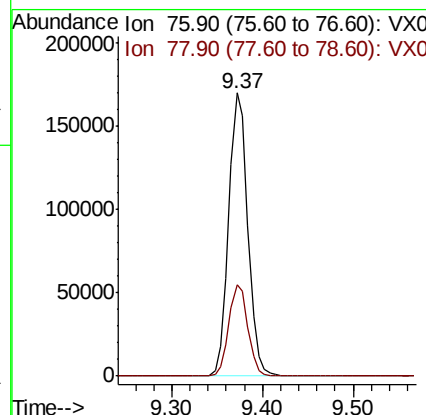
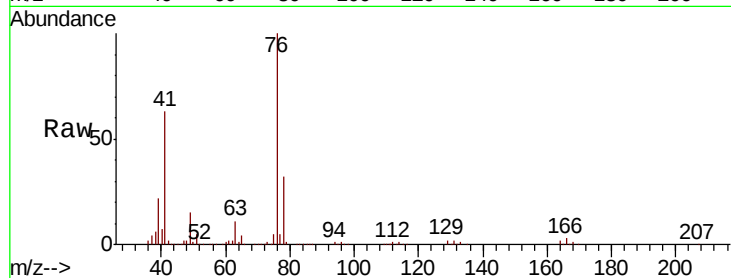
#57
 1,3-Dichloropropane
 Concen: 53.782 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX004881.D
 Acq: 01 Oct 2018 19:56

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW502-0913MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.5	38.3

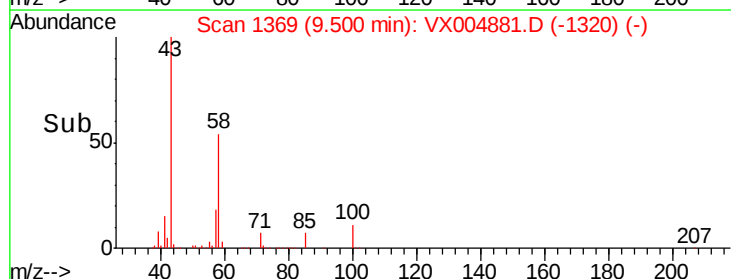
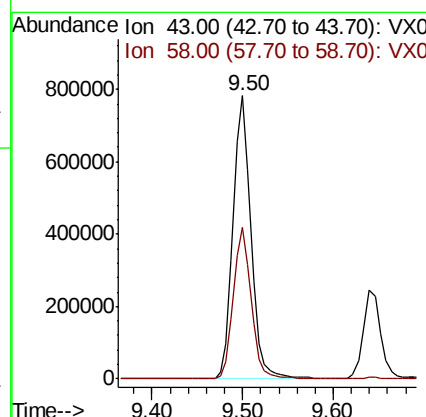
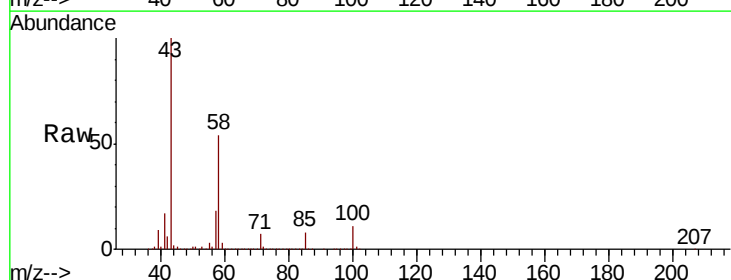
Manual Integrations
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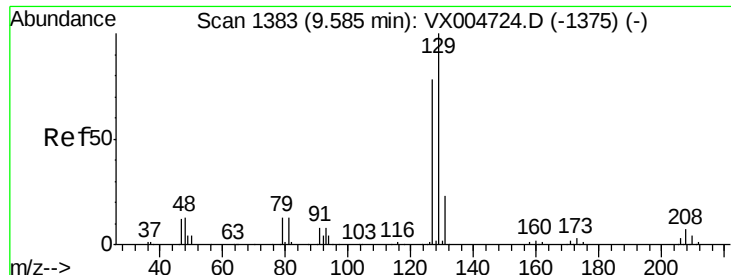
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 10/4/2018 7:07:53 PM



#59
 2-Hexanone
 Concen: 291.945 ug/l
 RT: 9.50 min Scan# 1369
 Delta R.T. -0.00 min
 Lab File: VX004881.D
 Acq: 01 Oct 2018 19:56

Tgt Ion	Ratio	Lower	Upper
43	100		
58	53.4	29.0	87.0





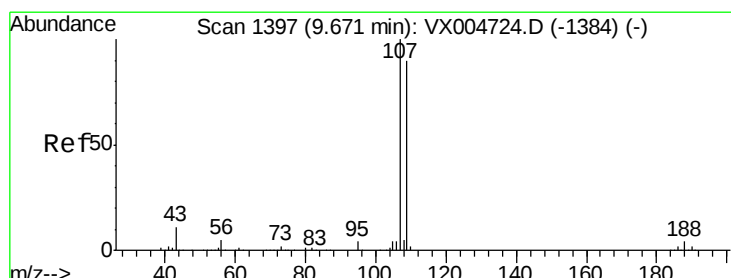
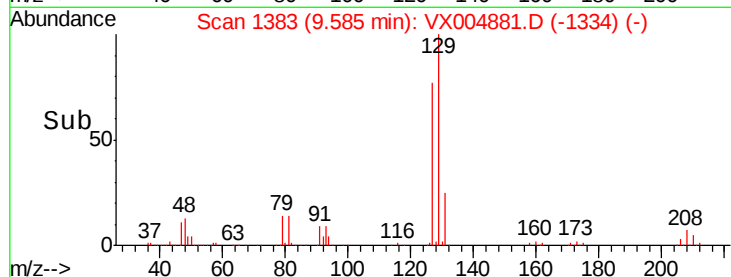
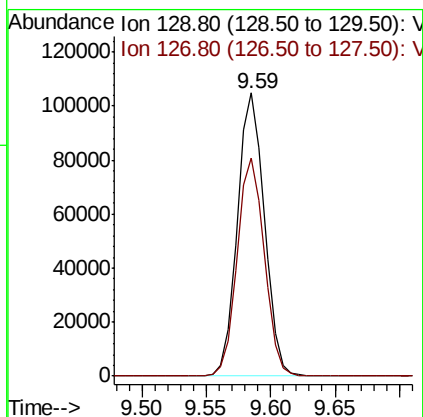
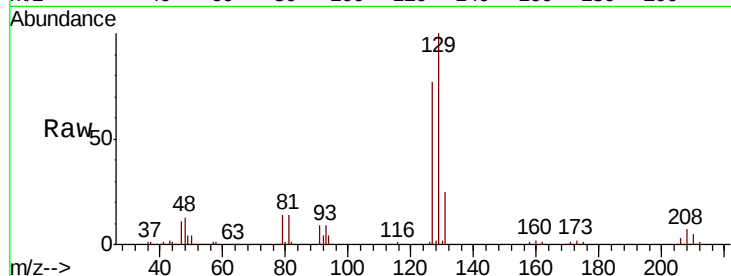
#60
Dibromochloromethane
Concen: 54.976 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX004881.D
Acq: 01 Oct 2018 19:56

Instrument :
MSVOA_X
ClientSampleId :
SA-TW502-0913MS

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.3	38.5	115.5

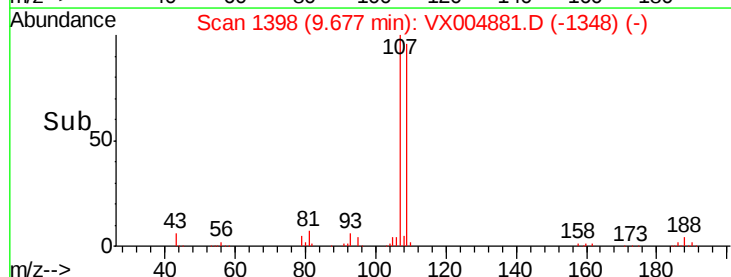
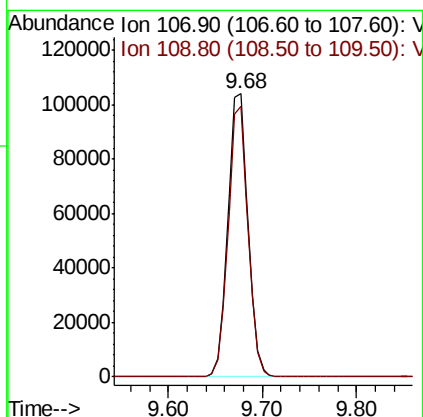
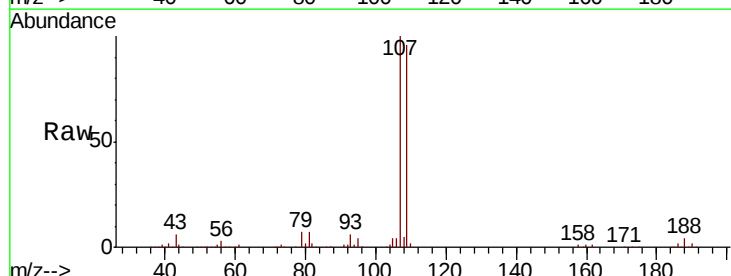
Manual Integrations
APPROVED

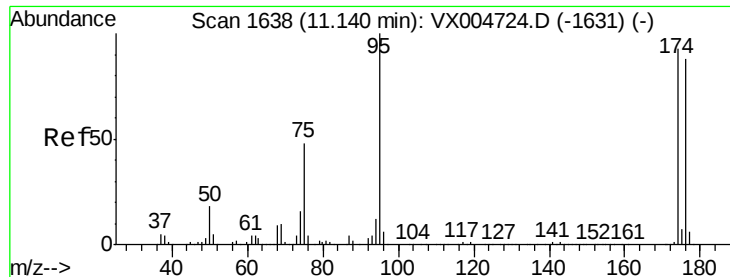
MMDadoda
10/4/2018 7:07:53 PM



#61
1,2-Dibromoethane
Concen: 51.761 ug/l
RT: 9.68 min Scan# 1398
Delta R.T. 0.01 min
Lab File: VX004881.D
Acq: 01 Oct 2018 19:56

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.6	76.0	114.0





#62

4-Bromofluorobenzene

Concen: 57.653 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

Instrument :

MSVOA_X

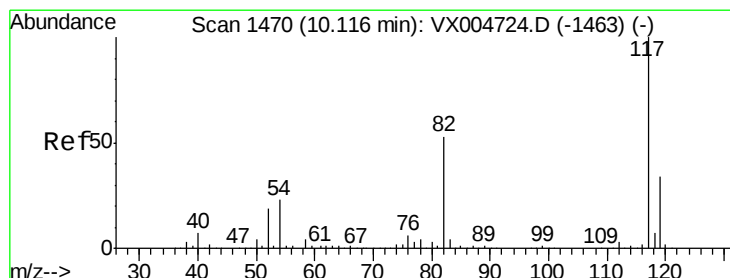
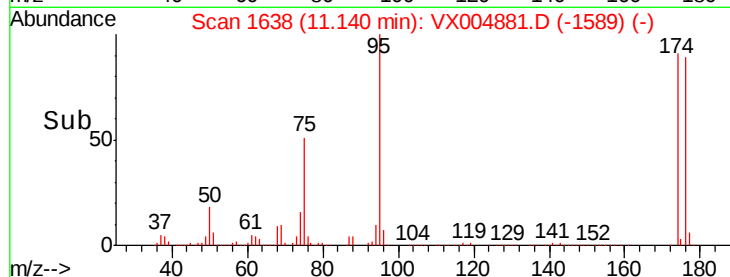
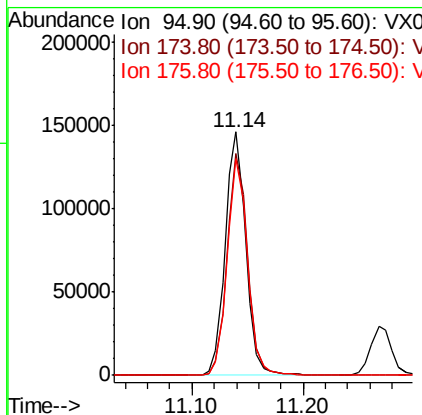
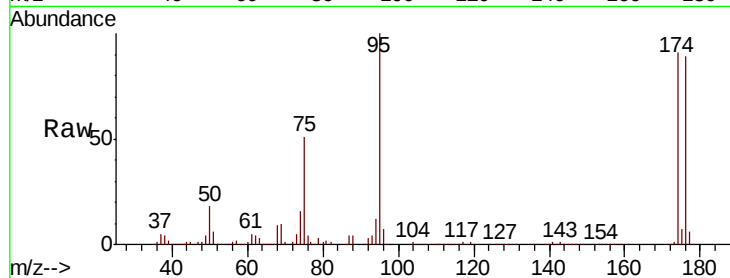
ClientSampleId :

SA-TW502-0913MS

Tot Ion:	95	Resp:	186308
Ion Ratio	Lower	Upper	
95	100		
174	91.1	0.0	185.2
176	88.2	0.0	178.6

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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

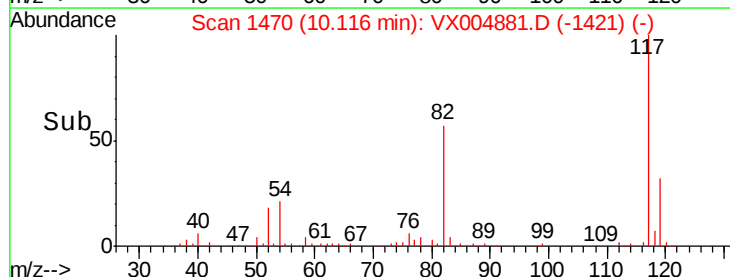
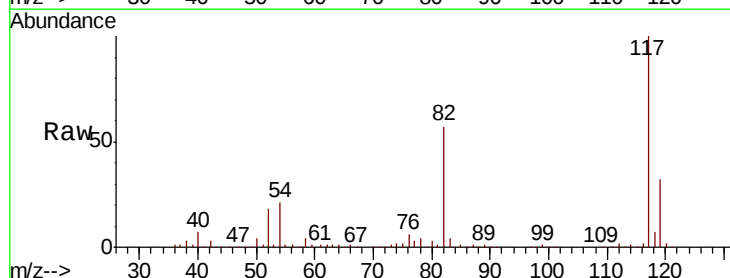
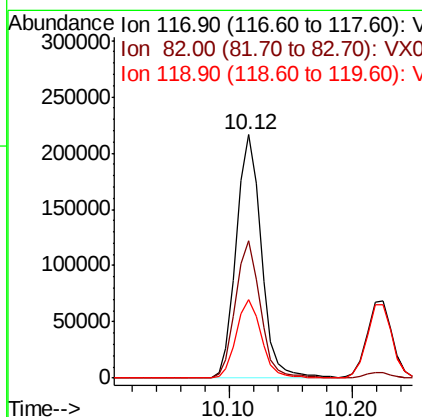
RT: 10.12 min Scan# 1470

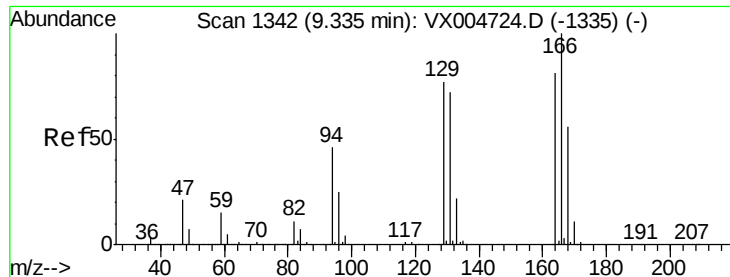
Delta R.T. -0.00 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

Tgt Ion:	117	Resp:	308084
Ion Ratio	Lower	Upper	
117	100		
82	56.6	47.8	71.6
119	32.5	29.3	43.9





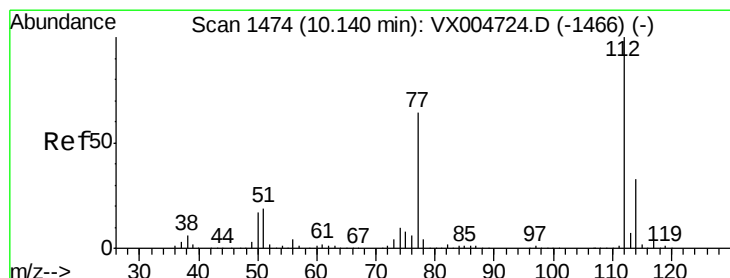
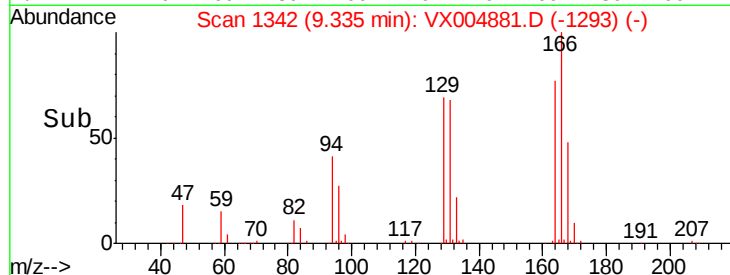
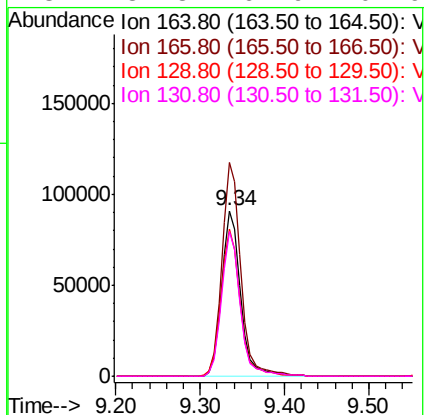
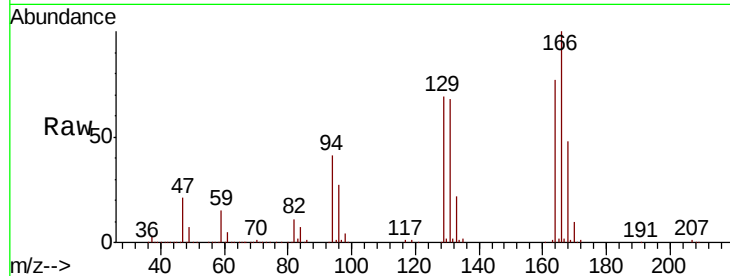
#64
Tetrachloroethene
Concen: 46.763 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX004881.D
Acq: 01 Oct 2018 19:56

Instrument :
MSVOA_X
ClientSampleId :
SA-TW502-0913MS

Tot Ion	Ratio	Lower	Upper
164	100		
166	129.3	102.8	154.2
129	89.3	69.4	104.0
131	87.8	67.9	101.9

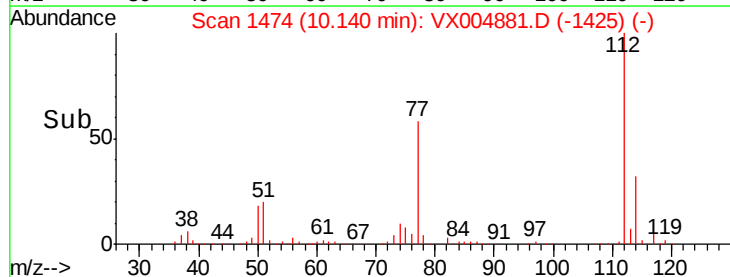
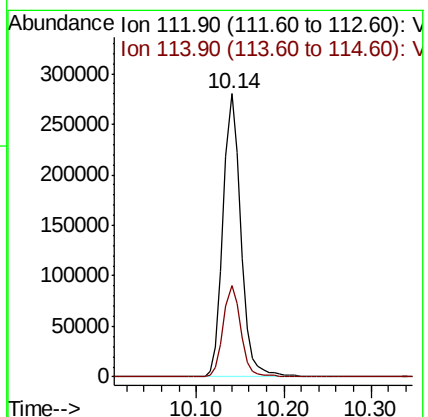
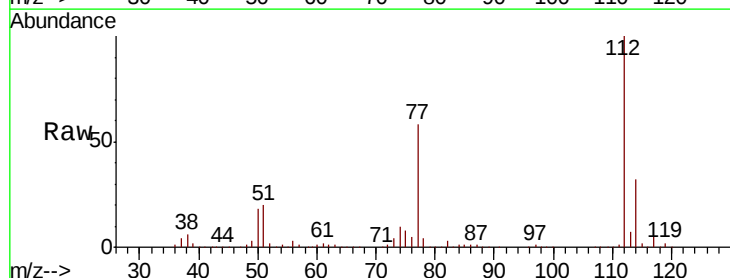
Manual Integrations
APPROVED

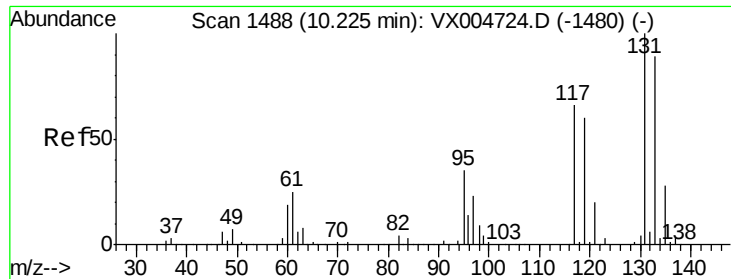
MMDadoda
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#65
Chlorobenzene
Concen: 49.985 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX004881.D
Acq: 01 Oct 2018 19:56

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.4	27.8	41.8





#66

1,1,1,2-Tetrachloroethane

Concen: 51.969 ug/l

RT: 10.23 min Scan# 1488

Delta R.T. -0.00 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

Instrument :

MSVOA_X

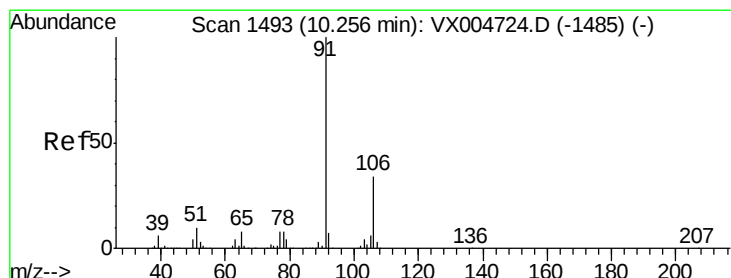
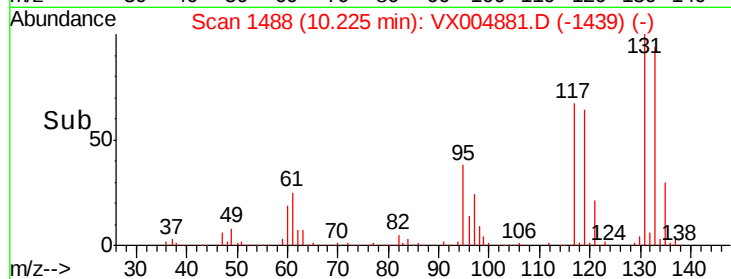
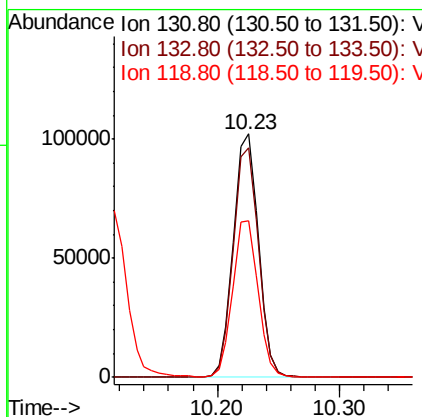
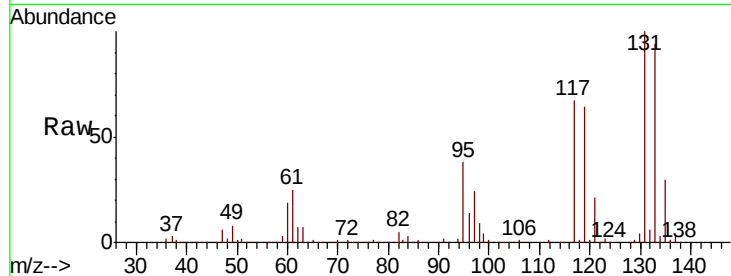
ClientSampleId :

SA-TW502-0913MS

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.3	48.1	144.4
119	65.0	32.9	98.6

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



#67

Ethyl Benzene

Concen: 53.586 ug/l

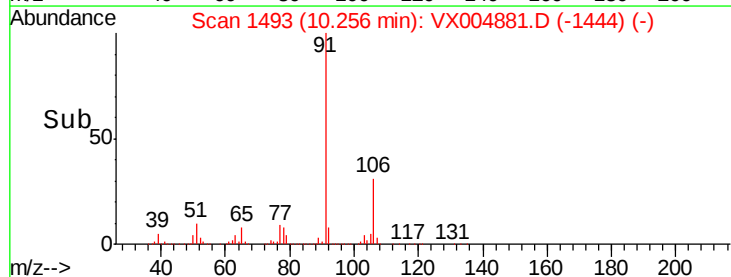
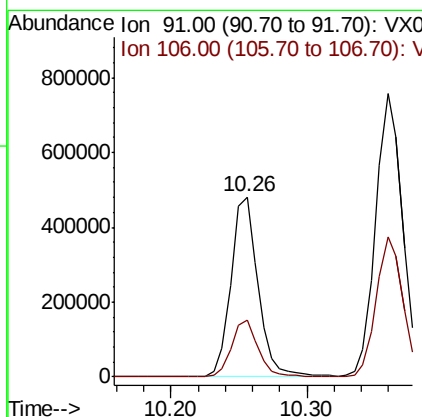
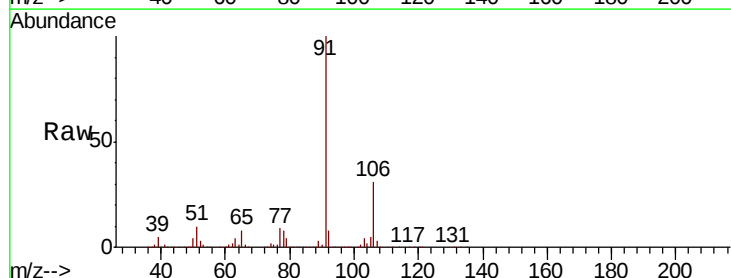
RT: 10.26 min Scan# 1493

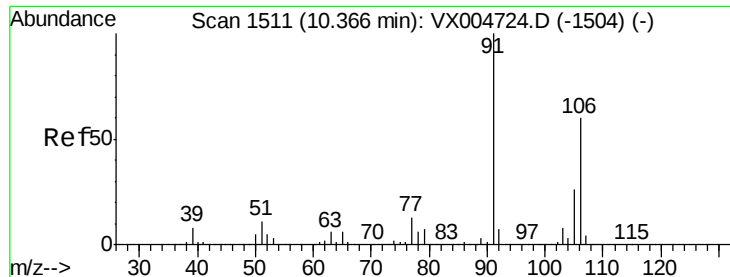
Delta R.T. -0.00 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.4	25.9	38.9





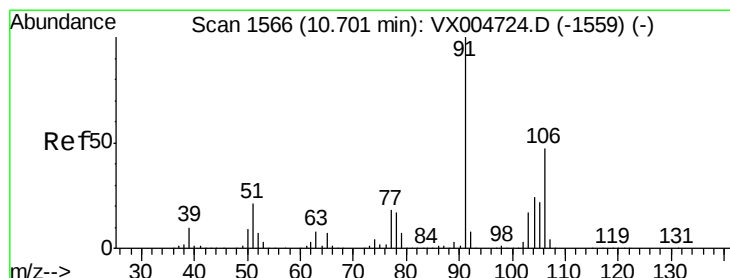
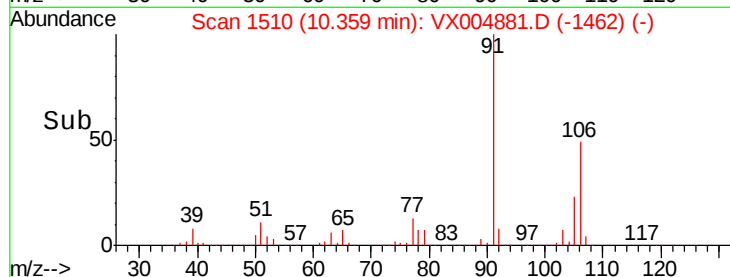
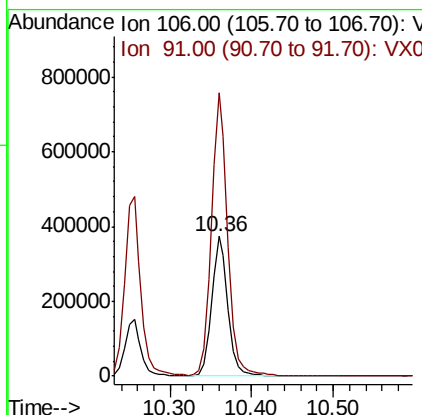
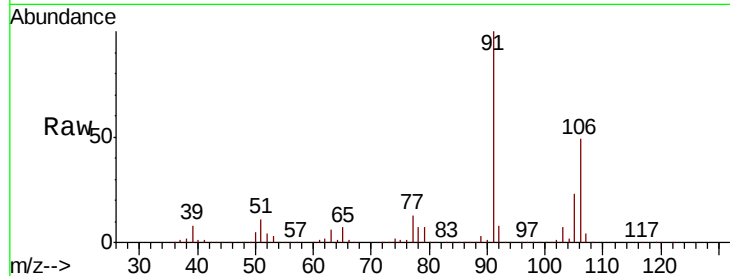
#68
m/p-Xvlenes
Concen: 107.424 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.01 min
Lab File: VX004881.D
Acq: 01 Oct 2018 19:56

Instrument :
MSVOA_X
ClientSampleId :
SA-TW502-0913MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		526510		
91	203.0	157.1	235.7		

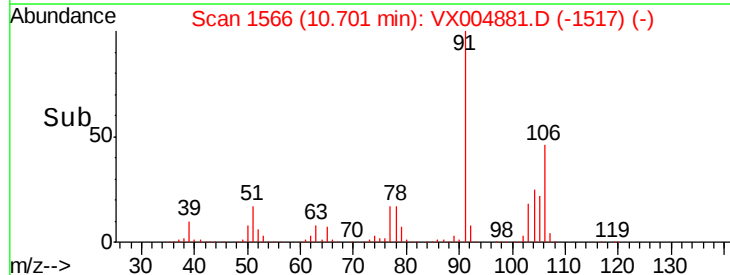
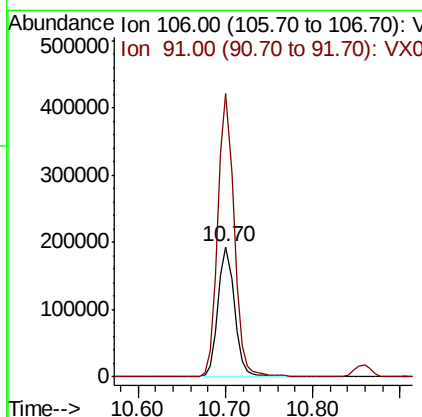
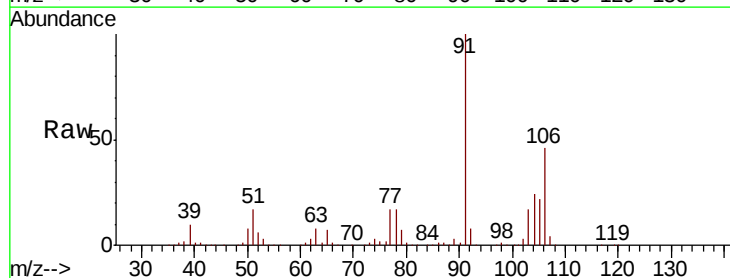
Manual Integrations
APPROVED

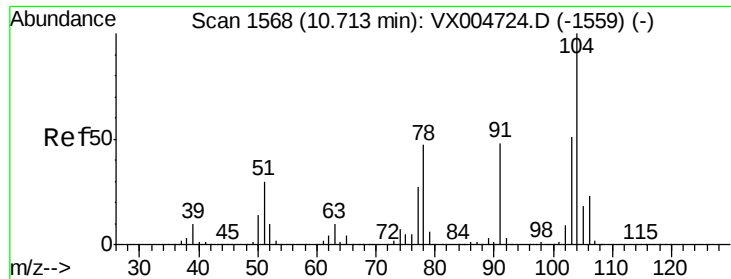
MMDadoda
10/4/2018 7:07:53 PM



#69
o-Xylene
Concen: 56.236 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004881.D
Acq: 01 Oct 2018 19:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		253159		
91	214.3	105.1	315.1		





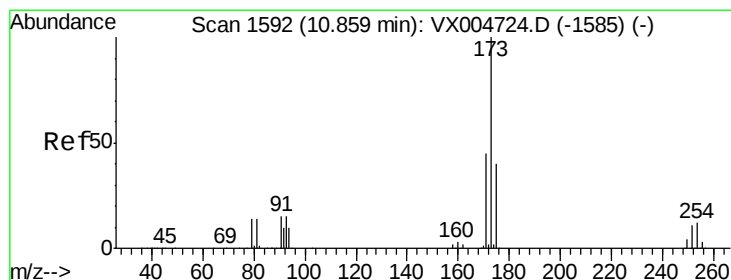
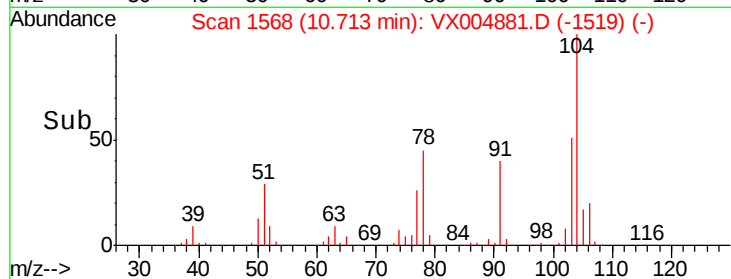
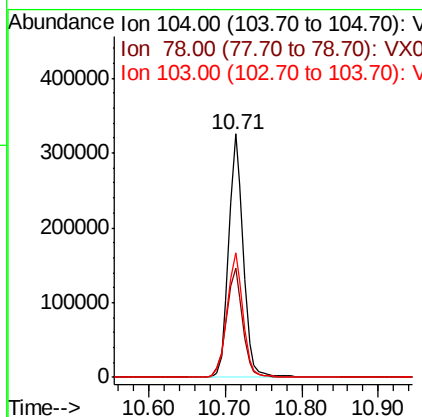
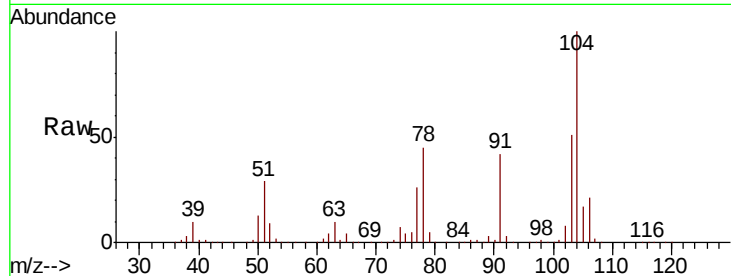
#70
 Stvrene
 Concen: 51.183 ug/l
 RT: 10.71 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VX004881.D
 Acq: 01 Oct 2018 19:56

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW502-0913MS

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.8	37.4	56.0
103	55.9	43.8	65.6

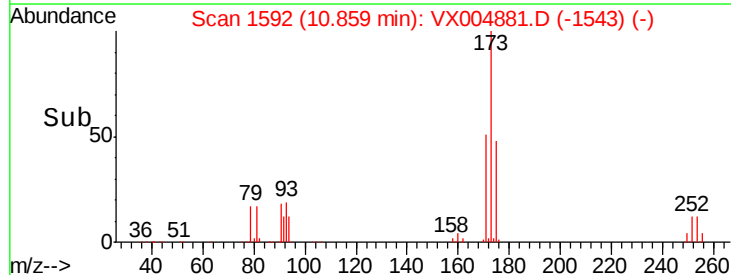
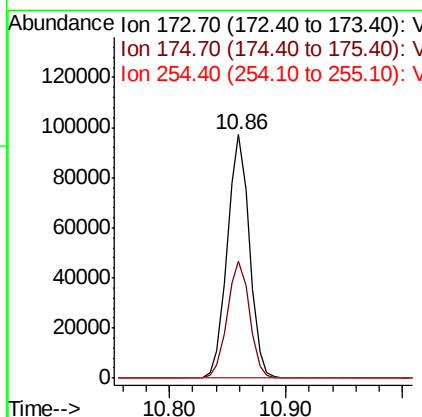
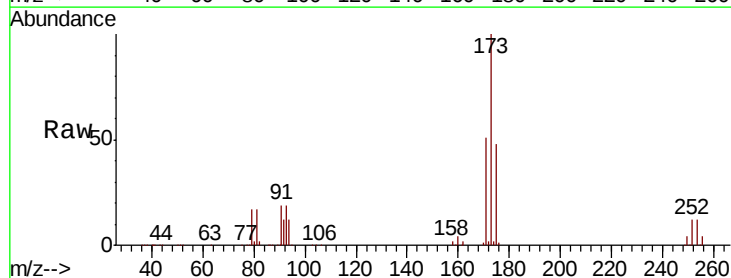
Manual Integrations
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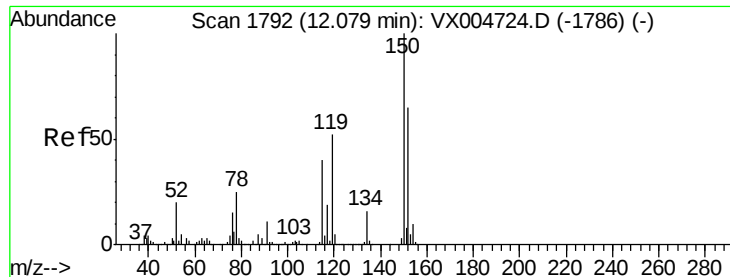
MMDadoda
 10/4/2018 7:07:53 PM



#71
 Bromoform
 Concen: 53.859 ug/l
 RT: 10.86 min Scan# 1592
 Delta R.T. -0.00 min
 Lab File: VX004881.D
 Acq: 01 Oct 2018 19:56

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.1	72.3
254	0.2	0.2	0.2





#72

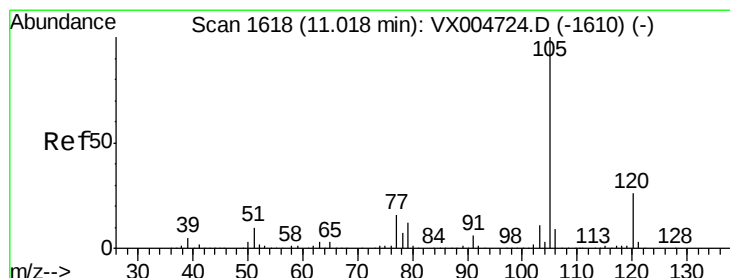
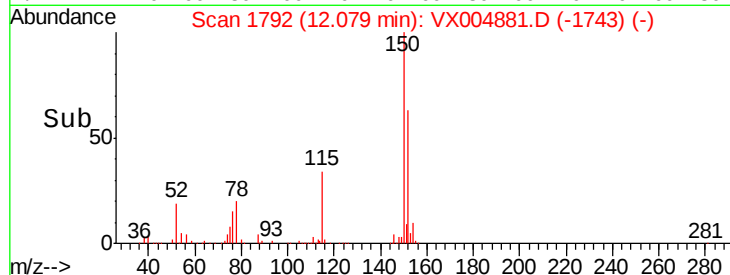
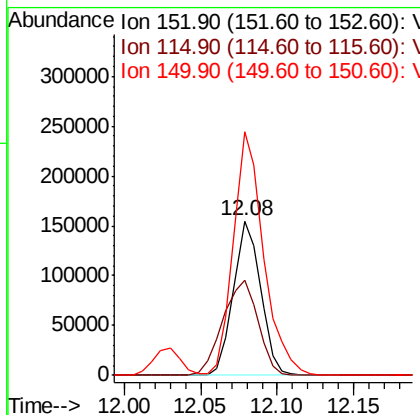
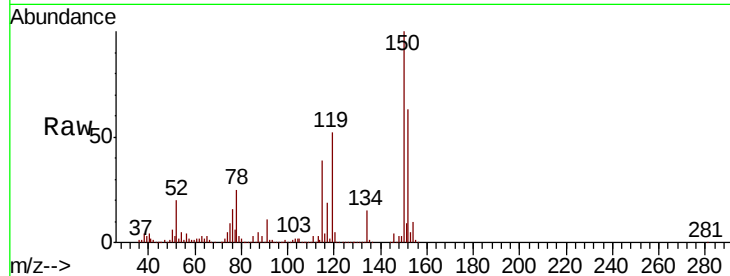
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004881.D
Acq: 01 Oct 2018 19:56

Instrument :
MSVOA_X
ClientSampleId :
SA-TW502-0913MS

Tot Ion	Ratio	Lower	Upper
152	100		
115	79.8	39.0	117.0
150	174.2	0.0	351.0

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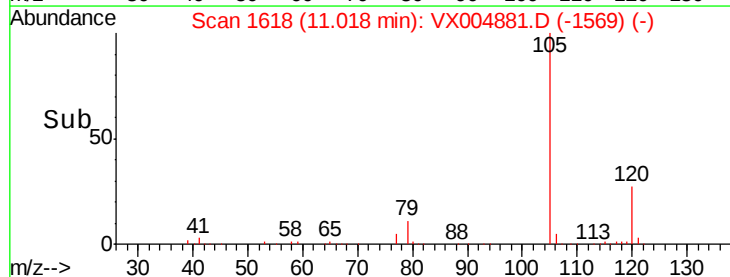
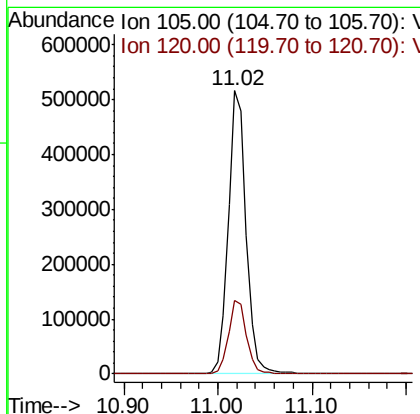
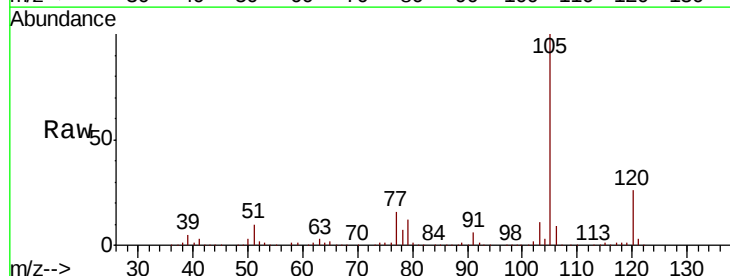
MMDadoda
10/4/2018 7:07:53 PM

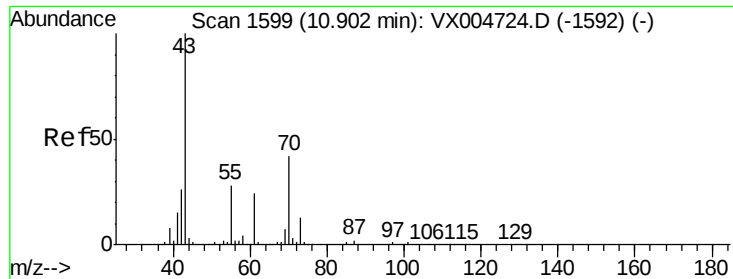


#73

Isopropylbenzene
Concen: 55.772 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX004881.D
Acq: 01 Oct 2018 19:56

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.5	40.4





#74

N-amvl acetate

Concen: 48.210 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX004881.D

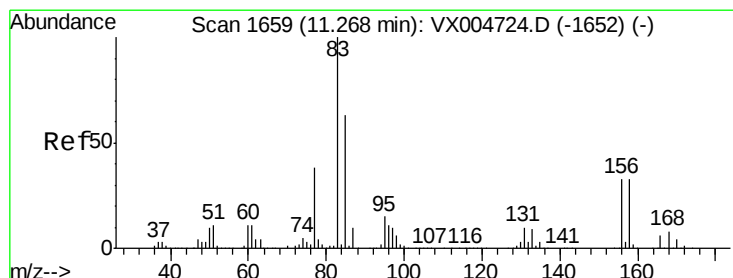
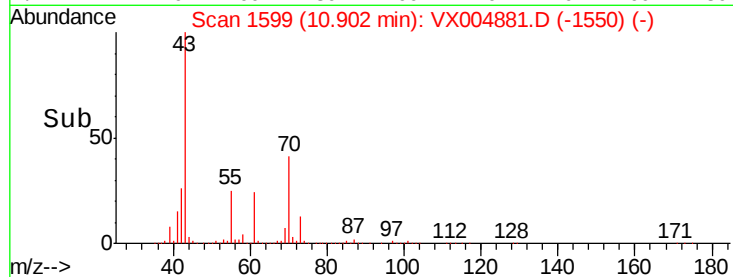
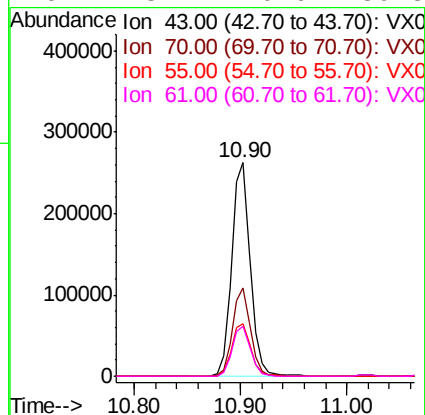
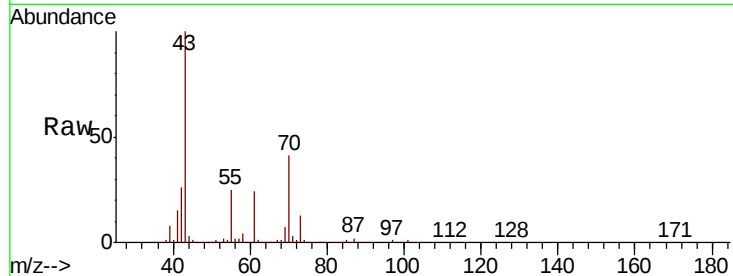
Acq: 01 Oct 2018 19:56

Instrument :
MSVOA_X
ClientSampleId :
SA-TW502-0913MS

Tot Ion	43	Resp	320428
Ion	Ratio	Lower	Upper
43	100		
70	40.4	37.4	56.0
55	25.6	21.8	32.8
61	23.4	20.6	30.8

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 50.906 ug/l

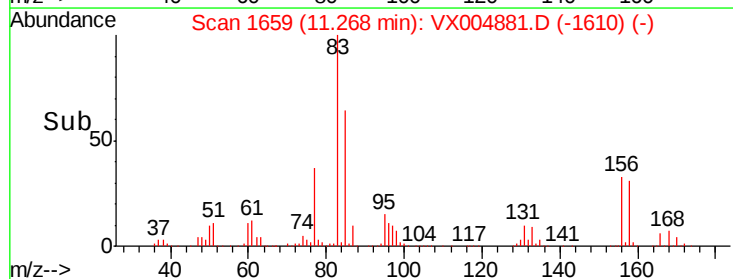
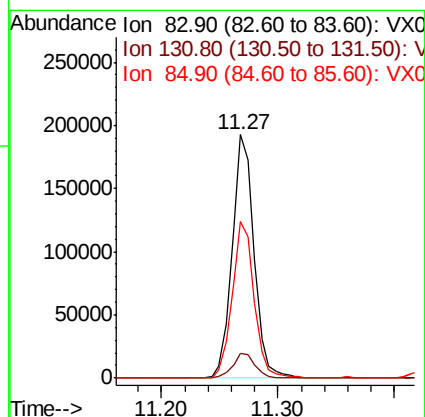
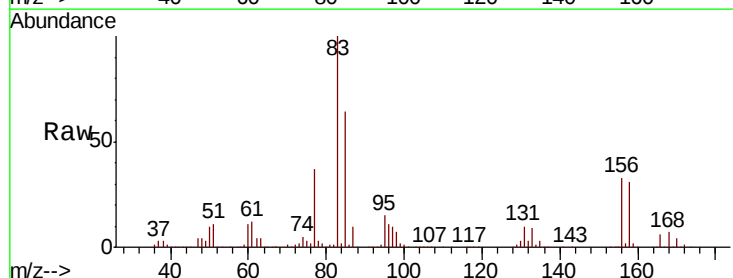
RT: 11.27 min Scan# 1659

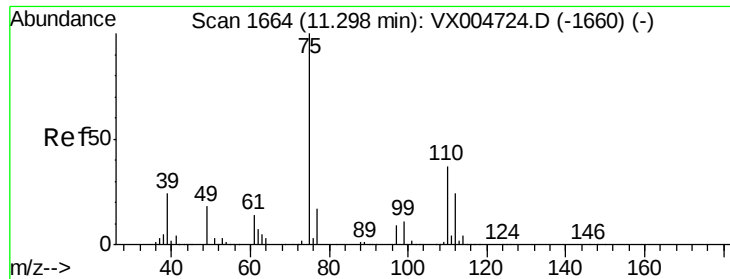
Delta R.T. -0.00 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

Tgt Ion	83	Resp	250916
Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.2	15.6
85	64.6	32.3	96.8





#76

1,2,3-Trichloropropane

Concen: 51.987 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

Instrument :

MSVOA_X

ClientSampleId :

SA-TW502-0913MS

Tot Ion: 75 Resp: 223846

Ion Ratio Lower Upper

75 100

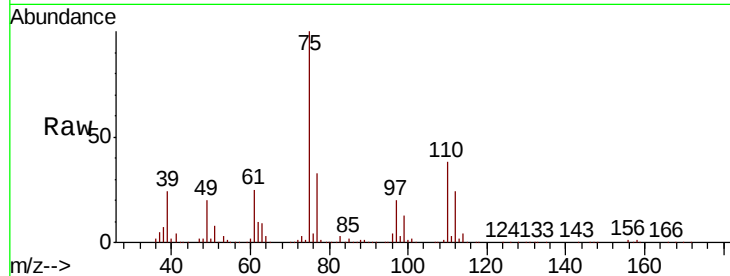
77 42.6 20.2 60.6

Manual Integrations

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10/4/2018 7:07:53 PM



Abundance Ion 74.90 (74.60 to 75.60): VX004724.D (-1660) (-)

Ion 77.00 (76.70 to 77.70): VX004724.D (-1660) (-)

250000

200000

150000

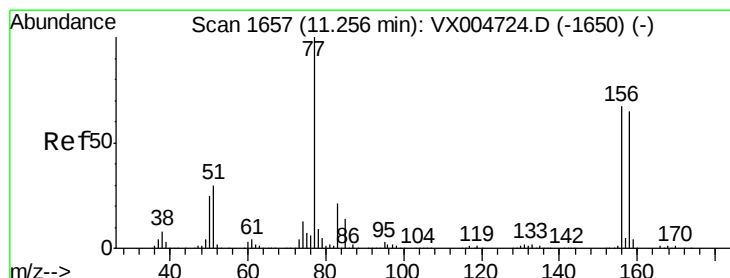
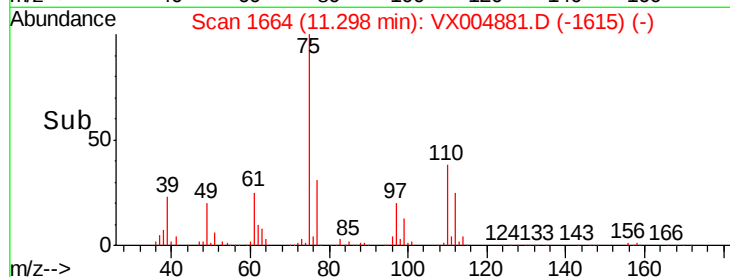
100000

50000

0

11.26 11.28 11.30 11.32

Time-->



#77

Bromobenzene

Concen: 52.167 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

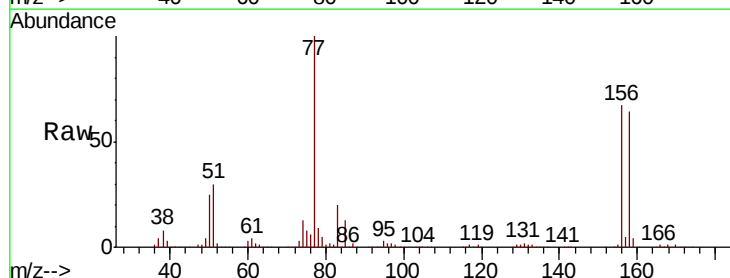
Tgt Ion: 156 Resp: 183474

Ion Ratio Lower Upper

156 100

77 147.5 71.5 214.3

158 96.9 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): VX004724.D (-1650) (-)

Ion 77.00 (76.70 to 77.70): VX004724.D (-1650) (-)

Ion 157.80 (157.50 to 158.50): VX004724.D (-1650) (-)

250000

200000

150000

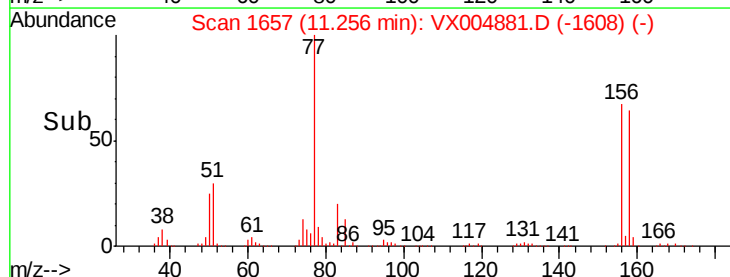
100000

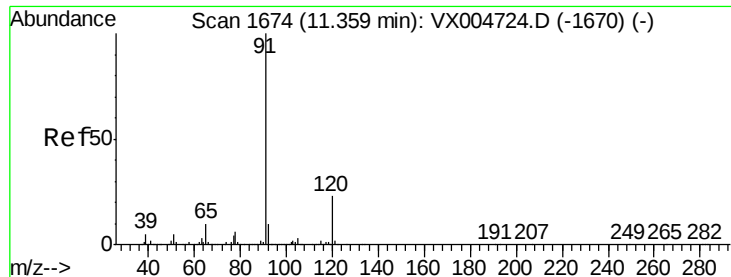
50000

0

11.20 11.30 11.40

Time-->





#78

n-propylbenzene

Concen: 55.939 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

Instrument :

MSVOA_X

ClientSampleId :

SA-TW502-0913MS

Tot Ion: 91 Resp: 777176

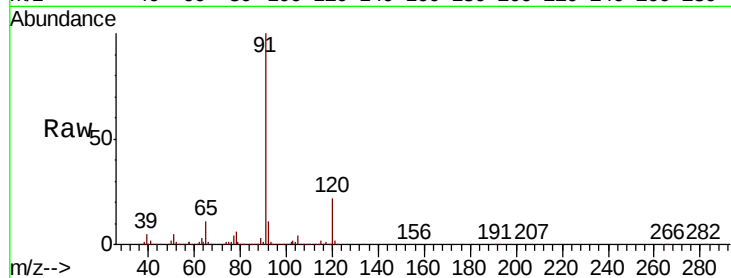
Ion Ratio Lower Upper

91 100

120 23.6 11.9 35.9

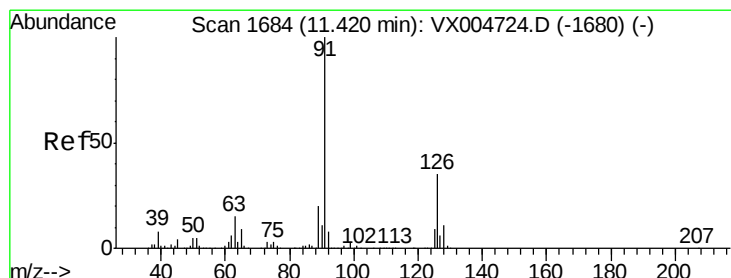
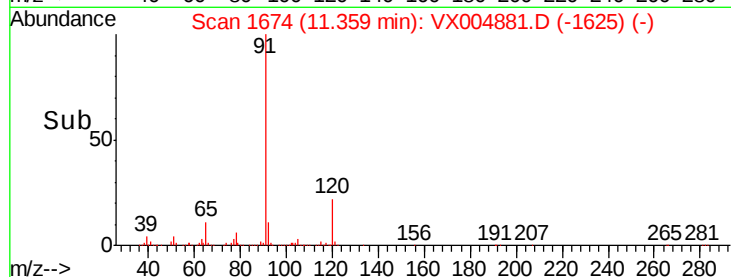
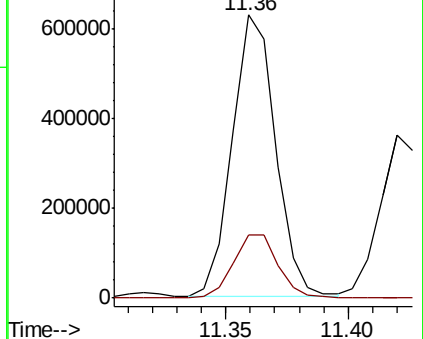
Manual Integrations
APPROVED

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



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 53.847 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX004881.D

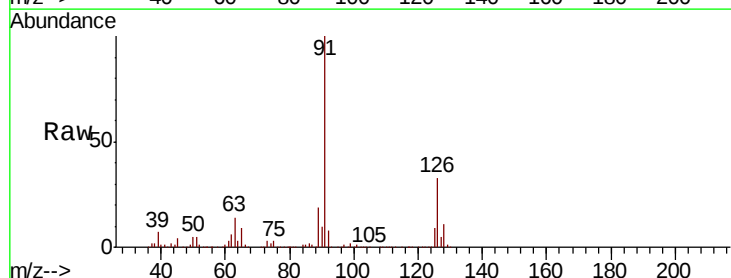
Acq: 01 Oct 2018 19:56

Tgt Ion: 91 Resp: 466313

Ion Ratio Lower Upper

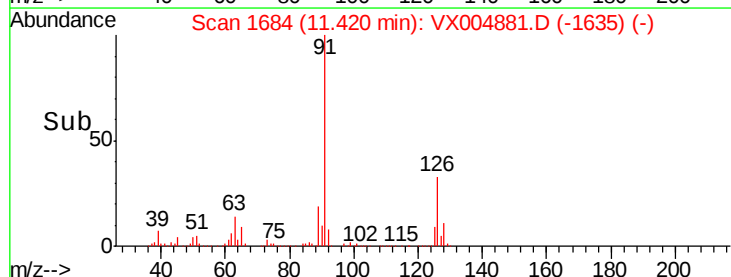
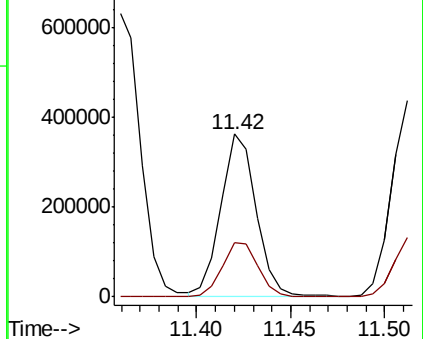
91 100

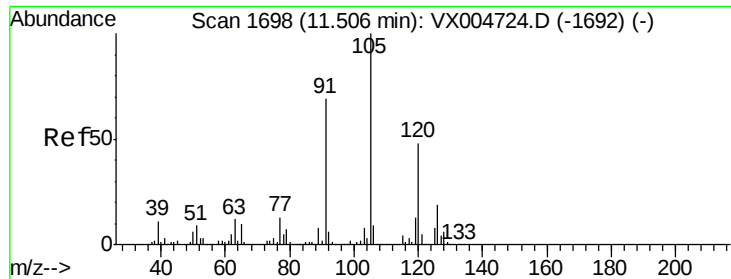
126 35.1 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





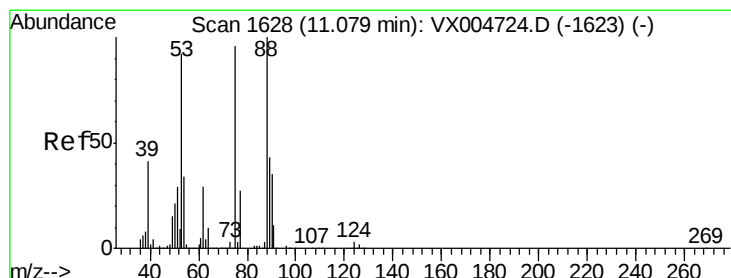
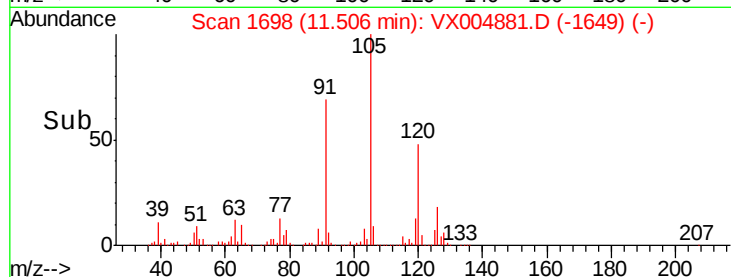
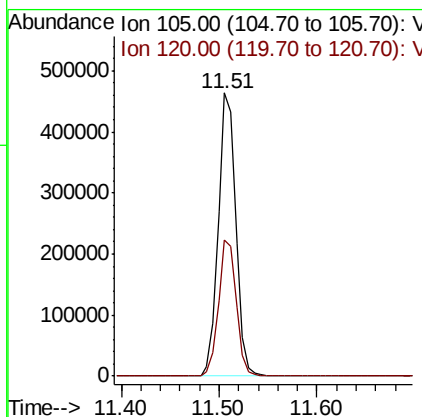
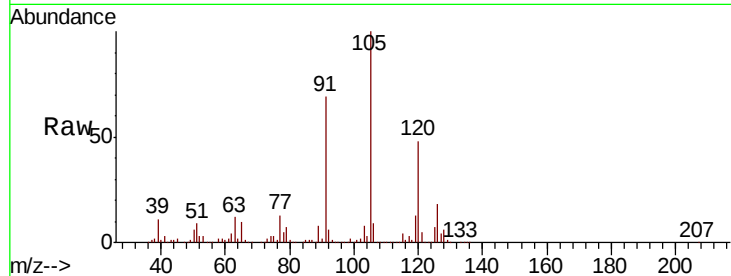
#80
 1,3,5-Trimethylbenzene
 Concen: 51.893 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX004881.D
 Acq: 01 Oct 2018 19:56

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW502-0913MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	48.8	25.6	76.8

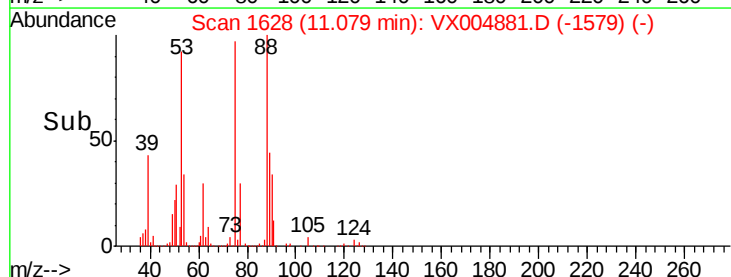
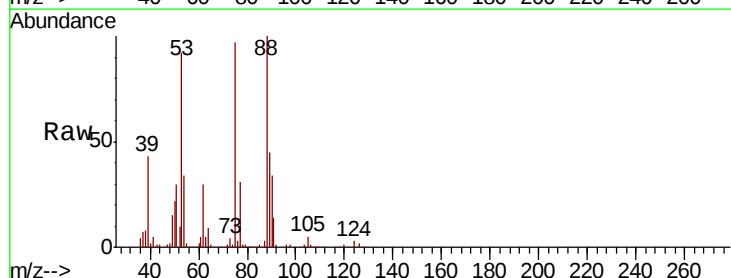
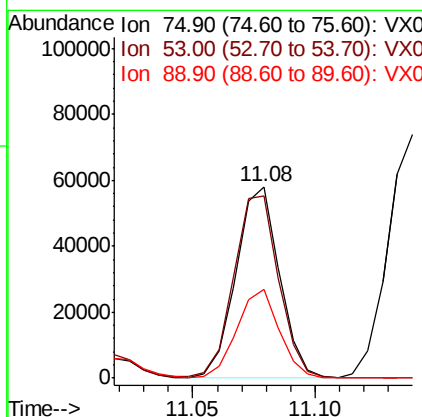
Manual Integrations
 APPROVED

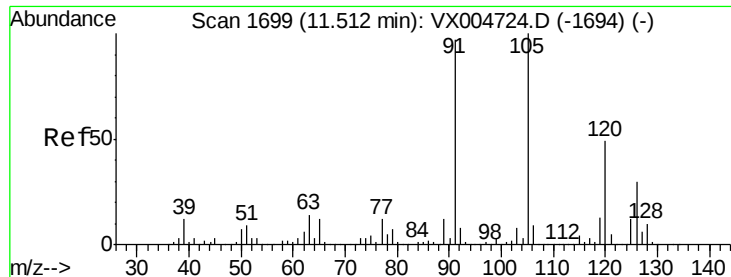
MMDadoda
 10/4/2018 7:07:53 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 45.249 ug/l
 RT: 11.08 min Scan# 1628
 Delta R.T. 0.00 min
 Lab File: VX004881.D
 Acq: 01 Oct 2018 19:56

Tgt Ion	Ratio	Lower	Upper
75	100		
53	99.6	80.1	120.1
89	46.1	37.2	55.8





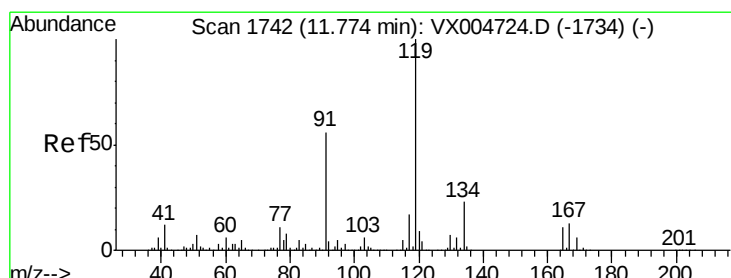
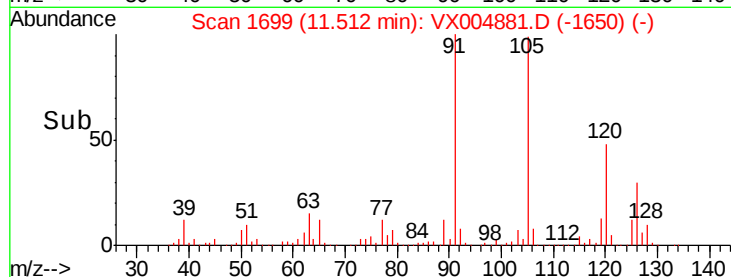
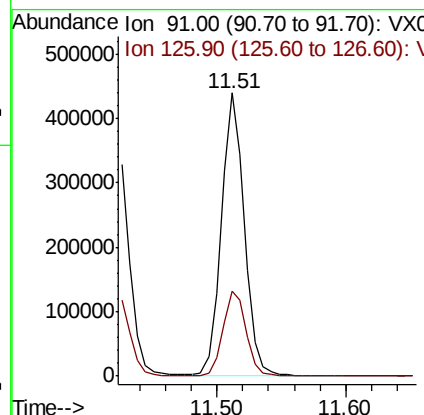
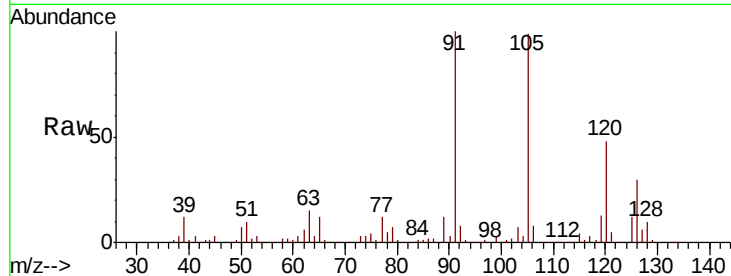
#82
4-Chlorotoluene
Concen: 54.190 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX004881.D
Acq: 01 Oct 2018 19:56

Instrument :
MSVOA_X
ClientSampleId :
SA-TW502-0913MS

Tot Ion: 91 Resp: 552361
Ion Ratio Lower Upper
91 100
126 30.6 15.5 46.5

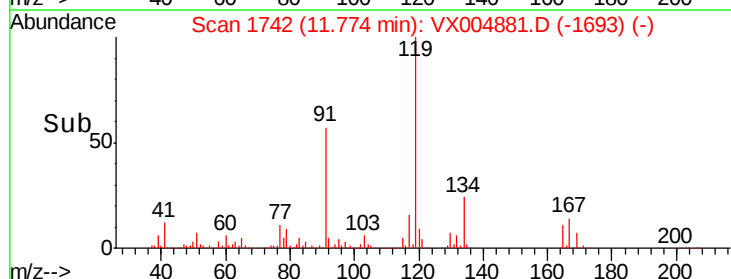
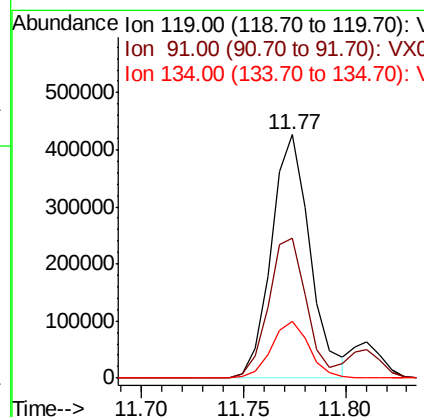
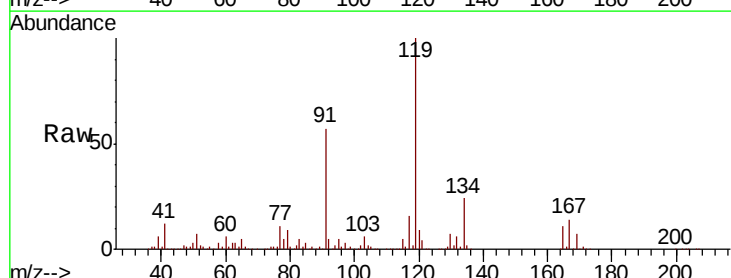
Manual Integrations
APPROVED

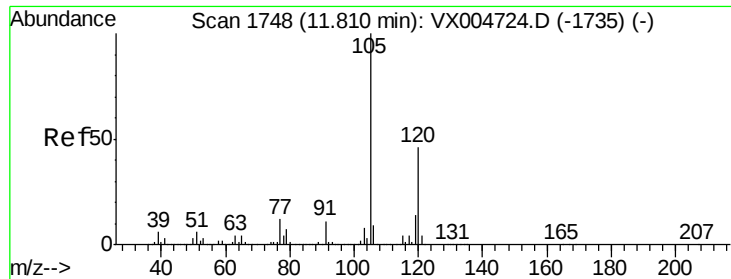
MMDadoda
10/4/2018 7:07:53 PM



#83
tert-Butylbenzene
Concen: 56.572 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX004881.D
Acq: 01 Oct 2018 19:56

Tgt Ion: 119 Resp: 563985
Ion Ratio Lower Upper
119 100
91 56.0 27.0 81.0
134 23.0 11.7 35.1





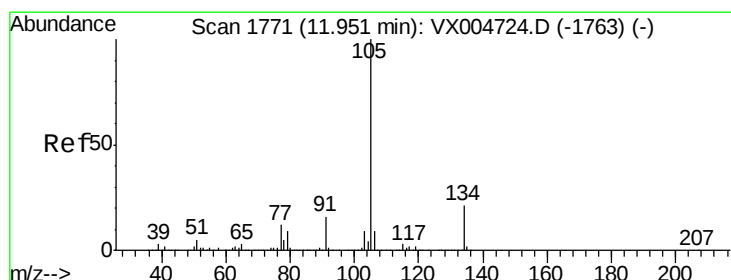
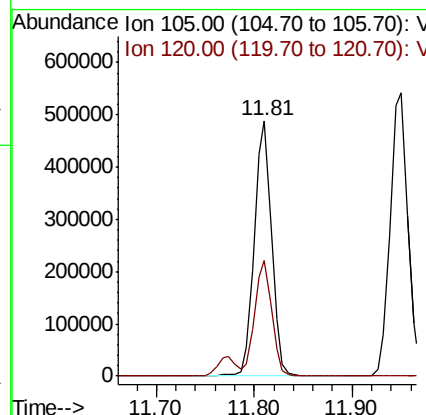
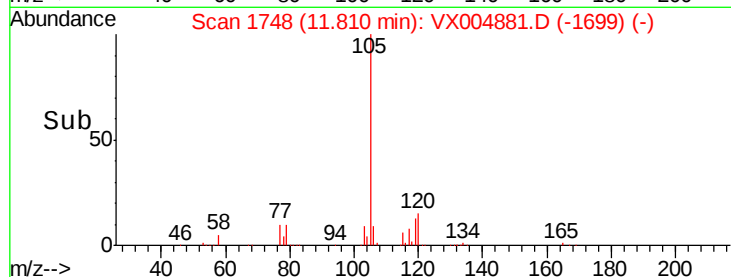
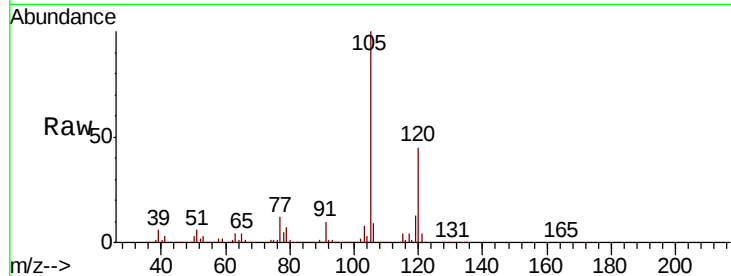
#84
 1,2,4-Trimethylbenzene
 Concen: 52.419 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX004881.D
 Acq: 01 Oct 2018 19:56

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW502-0913MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	44.8	23.2	69.6

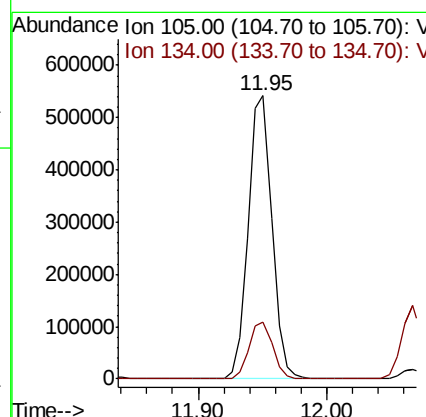
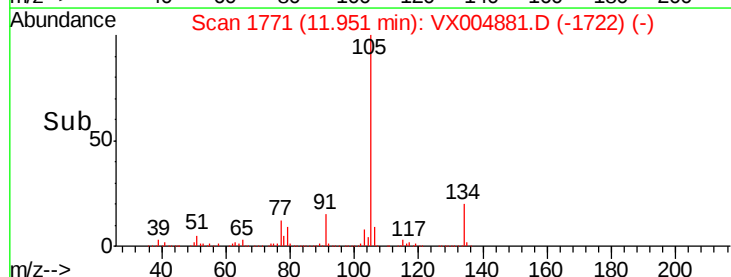
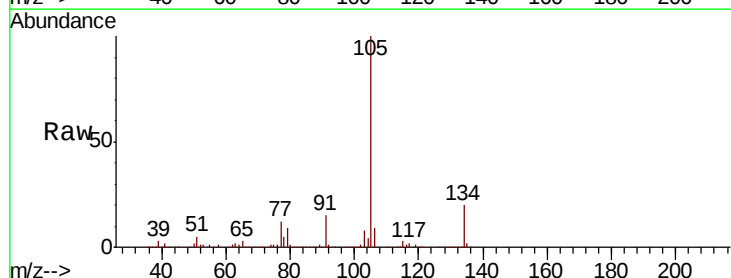
Manual Integrations
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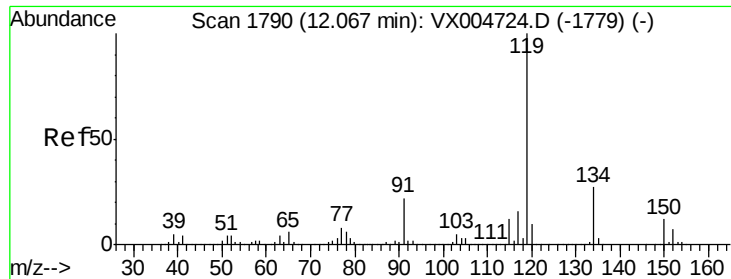
MMDadoda
 10/4/2018 7:07:53 PM



#85
 sec-Butylbenzene
 Concen: 56.315 ug/l
 RT: 11.95 min Scan# 1771
 Delta R.T. -0.00 min
 Lab File: VX004881.D
 Acq: 01 Oct 2018 19:56

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.5	31.5





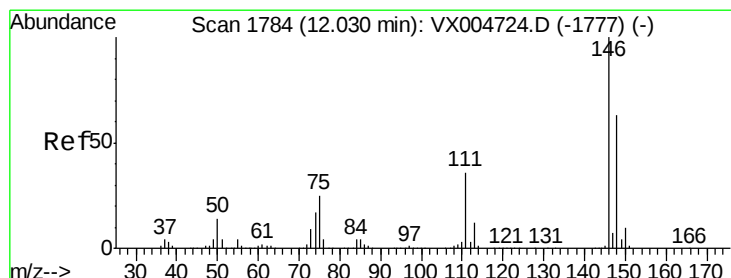
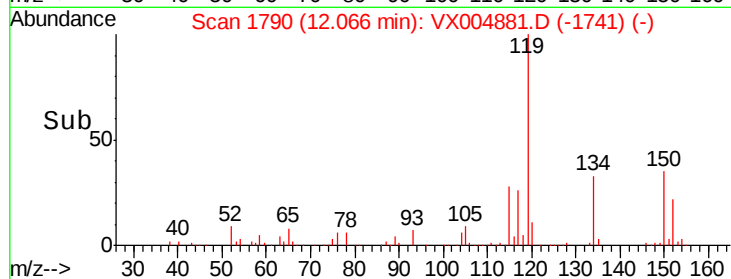
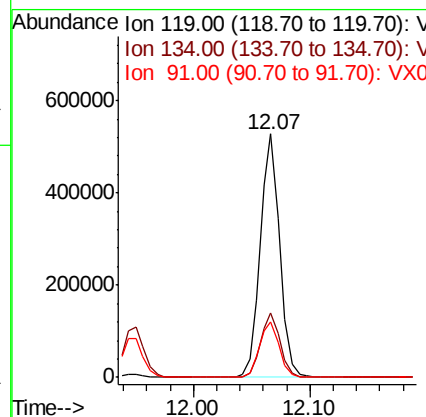
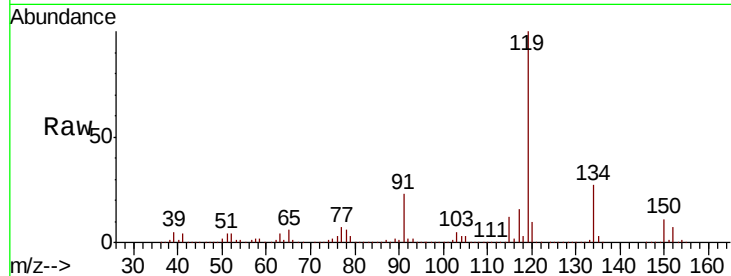
#86
p-Isopropyltoluene
Concen: 55.554 ug/l
RT: 12.07 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VX004881.D
Acq: 01 Oct 2018 19:56

Instrument :
MSVOA_X
ClientSampleId :
SA-TW502-0913MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	611186		
134	26.5		13.4	40.2
91	23.1		10.9	32.7

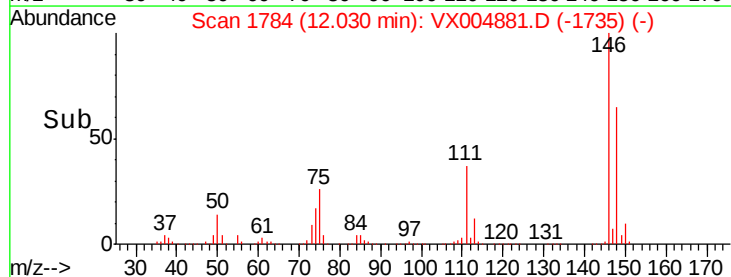
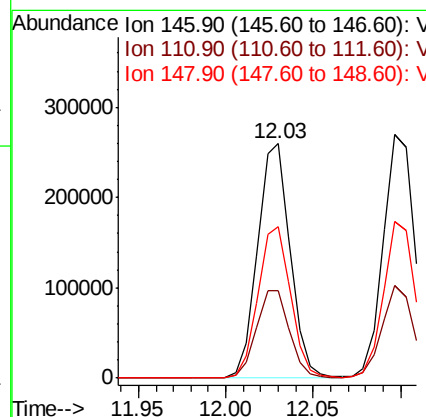
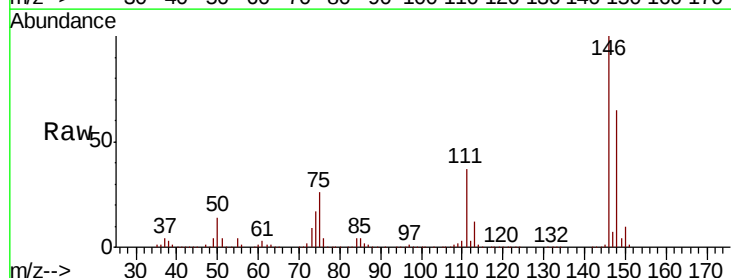
Manual Integrations
APPROVED

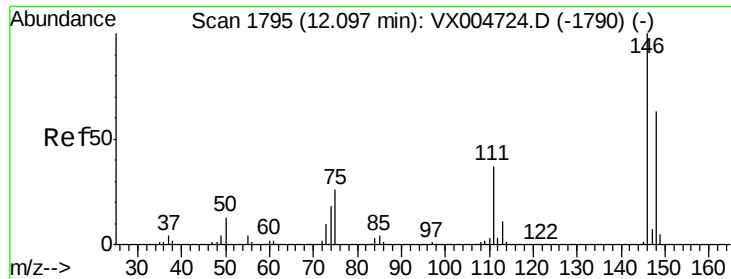
MMDadoda
10/4/2018 7:07:53 PM



#87
1,3-Dichlorobenzene
Concen: 51.185 ug/l
RT: 12.03 min Scan# 1784
Delta R.T. -0.00 min
Lab File: VX004881.D
Acq: 01 Oct 2018 19:56

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	336149		
111	38.1		18.7	56.1
148	64.6		32.1	96.5





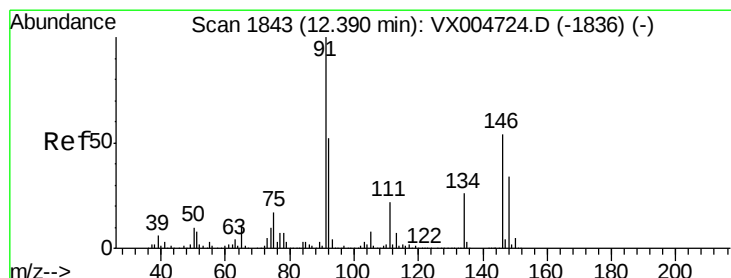
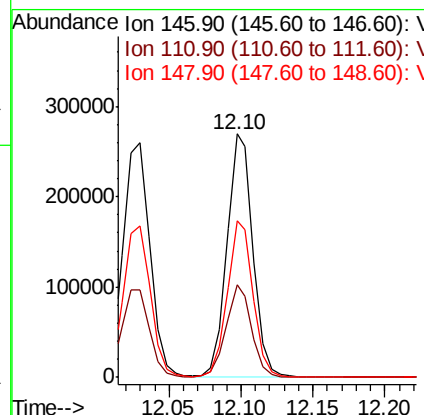
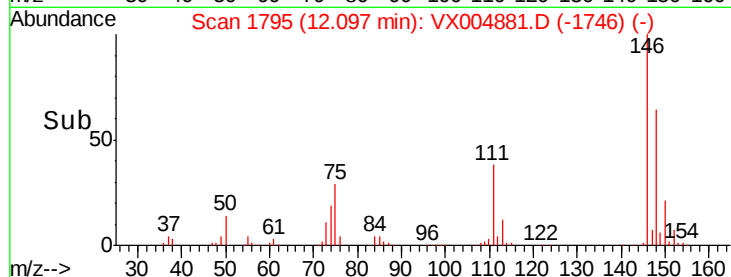
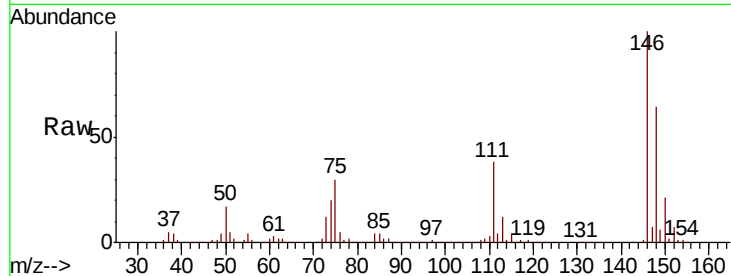
#88
 1,4-Dichlorobenzene
 Concen: 50.467 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX004881.D
 Acq: 01 Oct 2018 19:56

Instrument :
 MSVOA_X
 ClientSampled :
 SA-TW502-0913MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.1	54.1
148	63.8	32.0	96.0

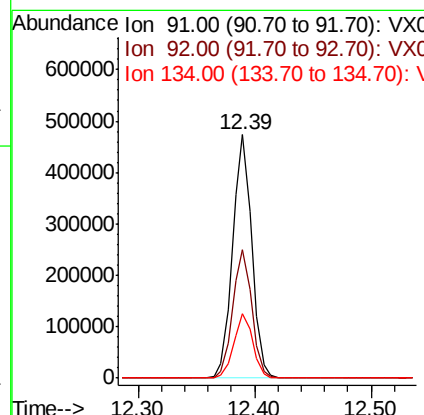
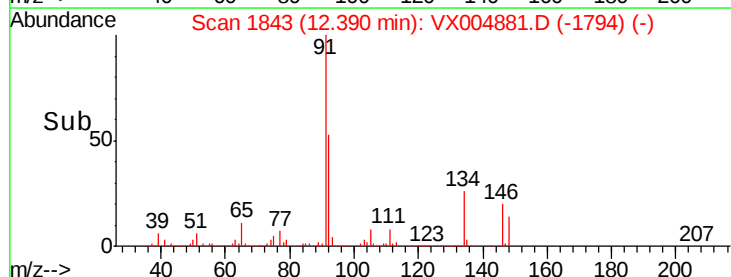
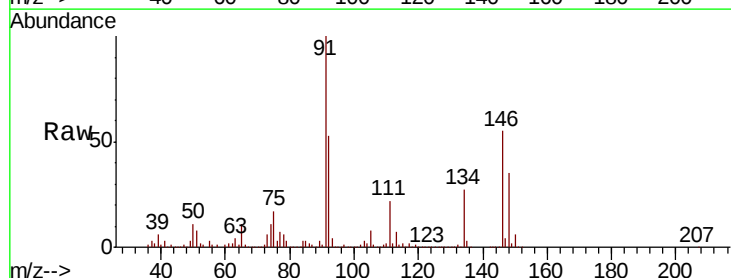
Manual Integrations
 APPROVED

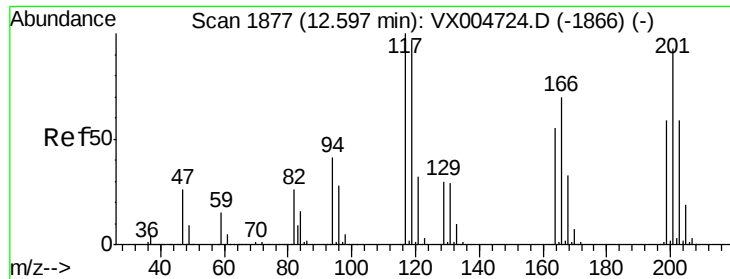
MMDadoda
 10/4/2018 7:07:53 PM



#89
 n-Butylbenzene
 Concen: 54.017 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX004881.D
 Acq: 01 Oct 2018 19:56

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.6	27.3	81.9
134	26.5	13.6	40.7





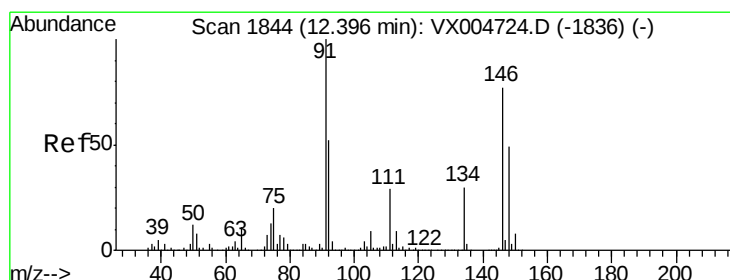
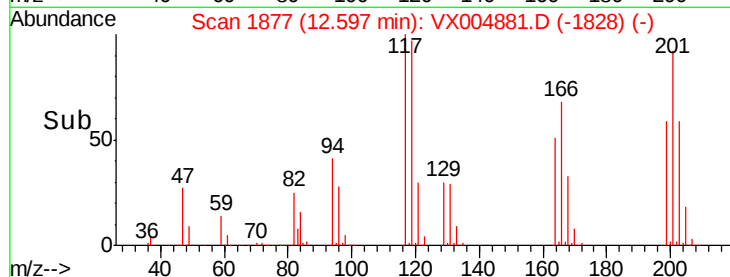
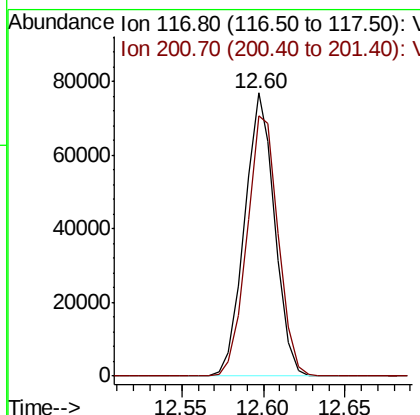
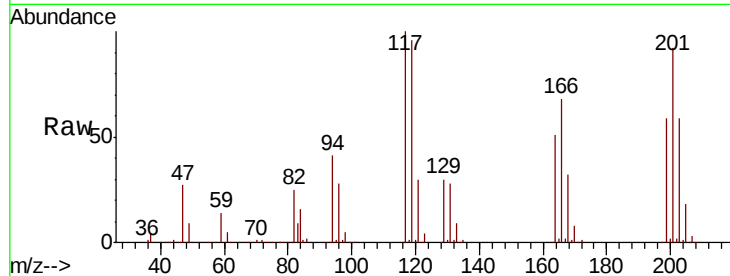
#90
Hexachloroethane
Concen: 53.805 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX004881.D
Acq: 01 Oct 2018 19:56

Instrument :
MSVOA_X
ClientSampleId :
SA-TW502-0913MS

Tot Ion:117 Resp: 98557
Ion Ratio Lower Upper
117 100
201 96.1 46.9 140.6

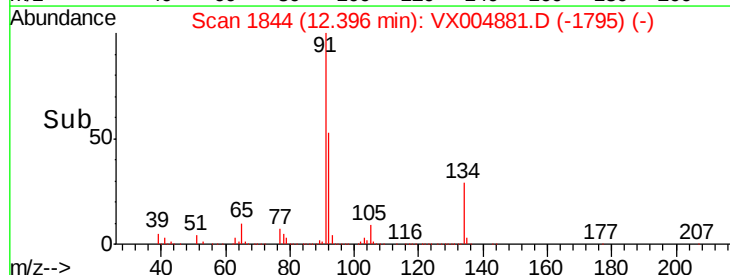
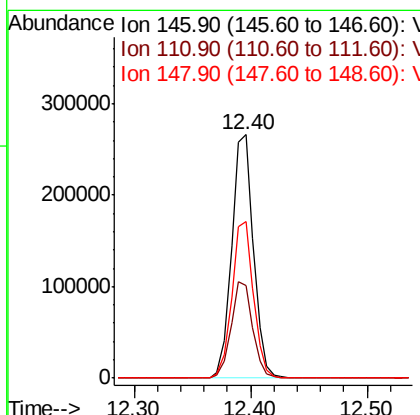
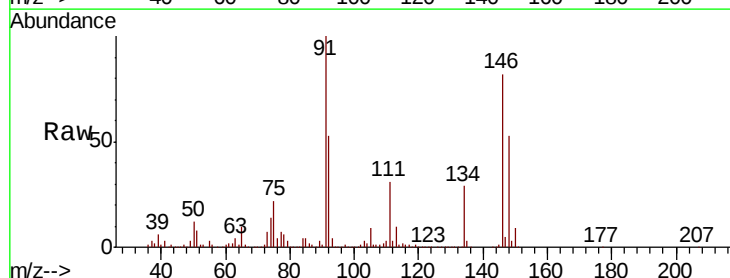
Manual Integrations
APPROVED

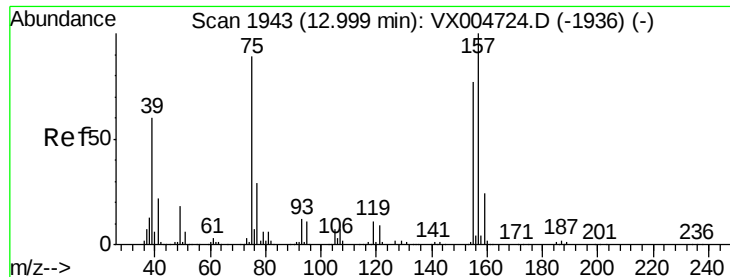
MMDadoda
10/4/2018 7:07:53 PM



#91
1,2-Dichlorobenzene
Concen: 50.382 ug/l
RT: 12.40 min Scan# 1844
Delta R.T. -0.00 min
Lab File: VX004881.D
Acq: 01 Oct 2018 19:56

Tgt Ion:146 Resp: 345782
Ion Ratio Lower Upper
146 100
111 39.5 19.4 58.1
148 63.8 32.8 98.3





#92

1,2-Dibromo-3-Chloropropane

Concen: 54.874 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

Instrument :

MSVOA_X

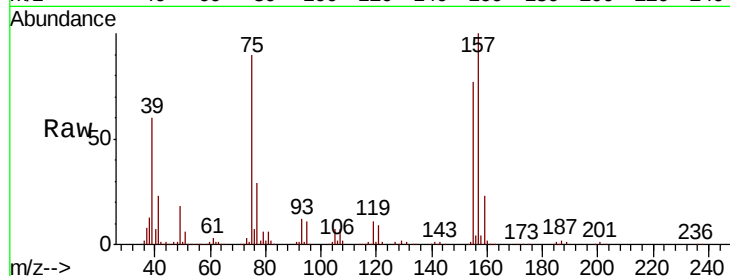
ClientSampleId :

SA-TW502-0913MS

Tot Ion:	75	Resp:	59388
Ion Ratio	Lower	Upper	
75	100		
155	92.2	48.0	144.2
157	119.2	61.4	184.1

Manual Integrations
APPROVED

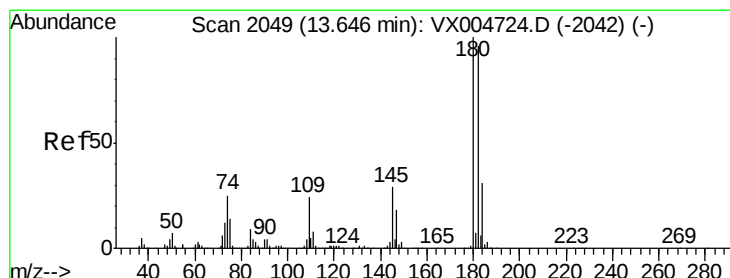
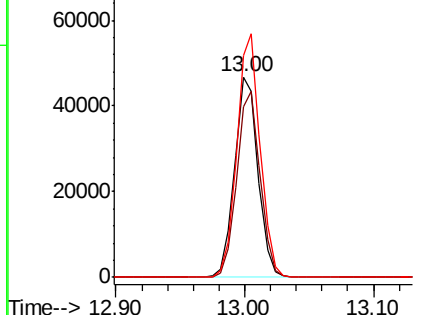
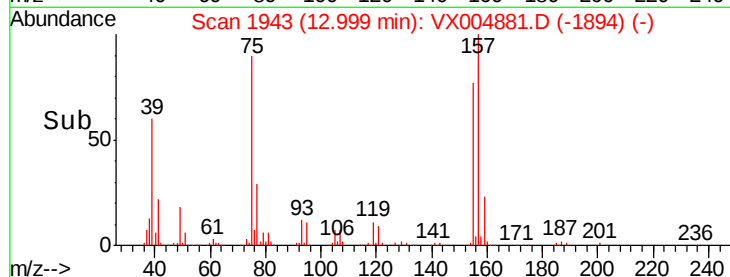
MMDadoda
10/4/2018 7:07:53 PM



Abundance Ion 74.90 (74.60 to 75.60): VX004881.D (-1894) (-)

Ion 154.80 (154.50 to 155.50): VX004881.D (-1894) (-)

Ion 156.80 (156.50 to 157.50): VX004881.D (-1894) (-)



#93

1,2,4-Trichlorobenzene

Concen: 52.684 ug/l

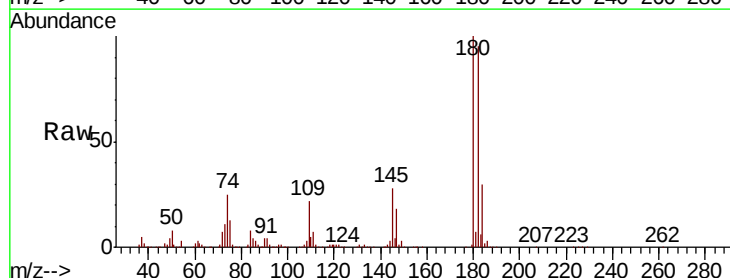
RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

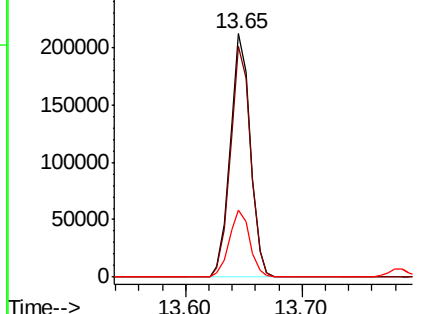
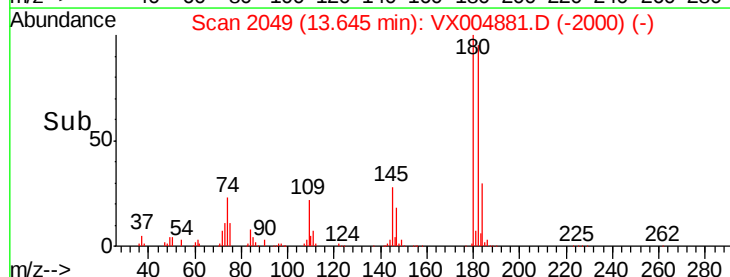
Tgt Ion:	180	Resp:	253641
Ion Ratio	Lower	Upper	
180	100		
182	95.5	48.4	145.0
145	28.1	14.3	42.9

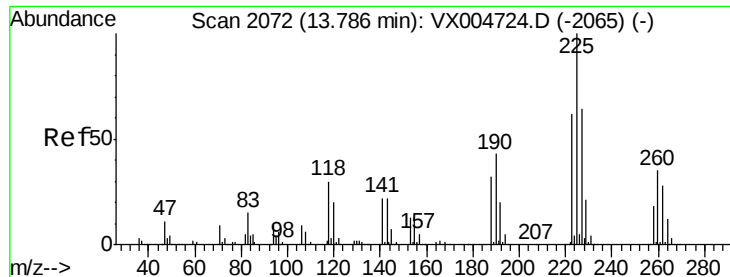


Abundance Ion 179.80 (179.50 to 180.50): VX004881.D (-2000) (-)

Ion 181.80 (181.50 to 182.50): VX004881.D (-2000) (-)

Ion 144.80 (144.50 to 145.50): VX004881.D (-2000) (-)





#94

Hexachlorobutadiene

Concen: 48.618 ug/l

RT: 13.79 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

Instrument :

MSVOA_X

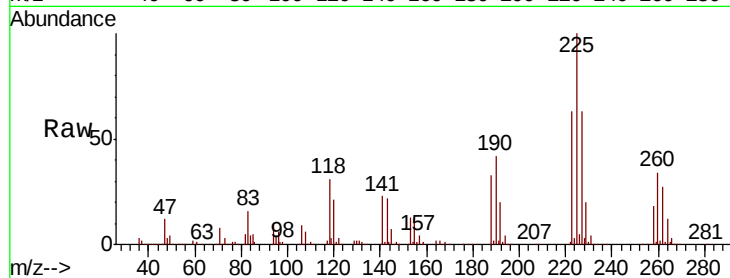
ClientSampleId :

SA-TW502-0913MS

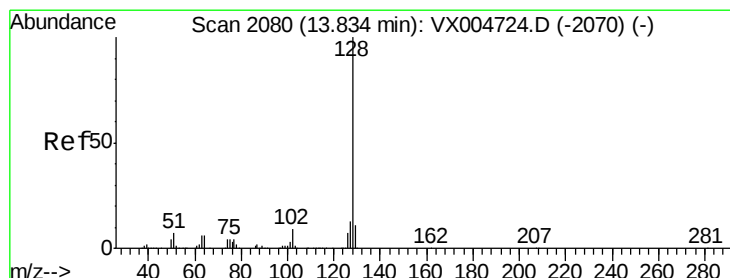
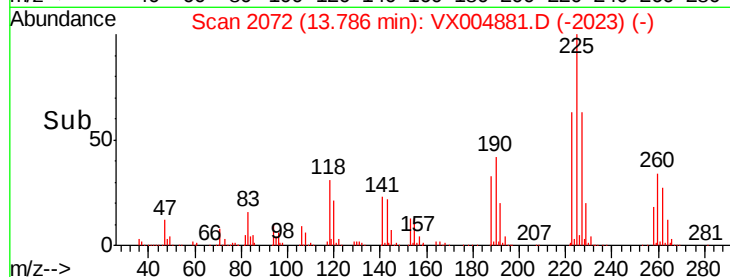
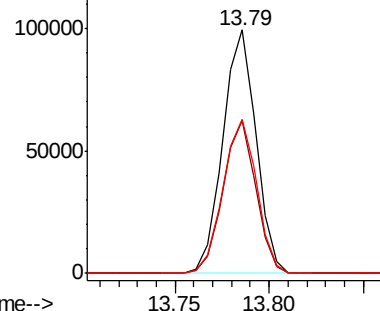
Tot Ion:	225	Resp:	121375
Ion Ratio		Lower	Upper
225	100		
223	61.8	30.1	90.5
227	64.0	30.8	92.4

Manual Integrations
APPROVED

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



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 51.994 ug/l

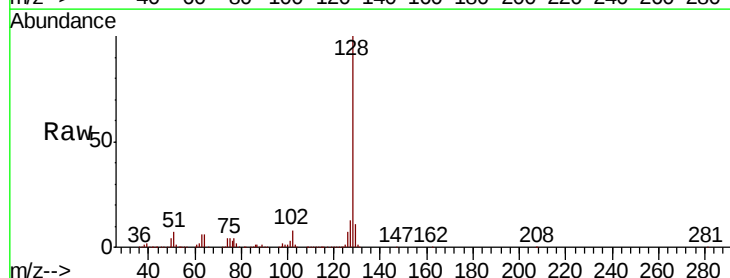
RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

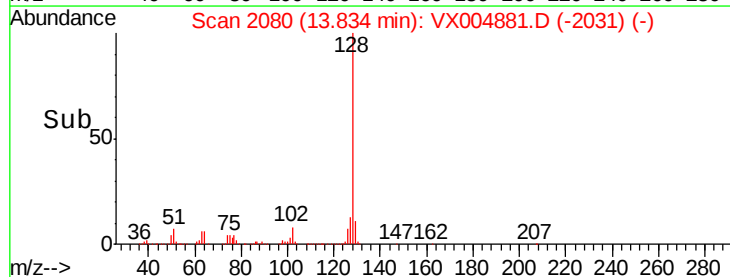
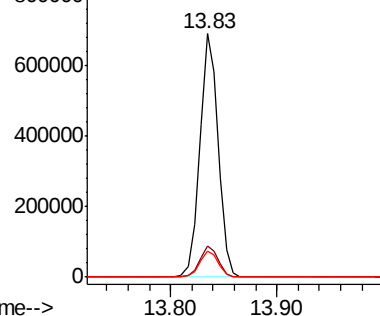
Lab File: VX004881.D

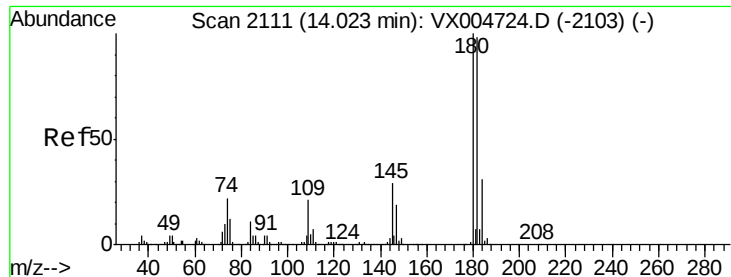
Acq: 01 Oct 2018 19:56

Tgt Ion:	128	Resp:	831289
Ion Ratio		Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.9	8.6	12.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





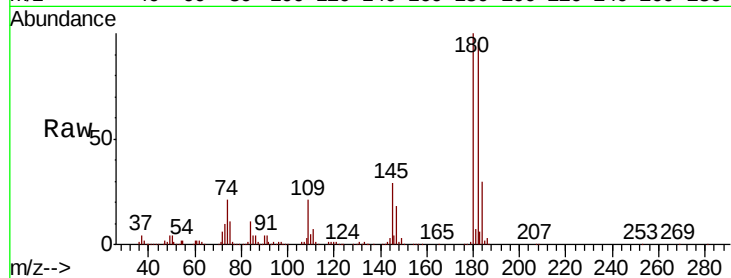
#96
 1,2,3-Trichlorobenzene
 Concen: 53.474 ug/l
 RT: 14.02 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VX004881.D
 Acq: 01 Oct 2018 19:56

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW502-0913MS

Tot Ion	Ratio	Resp	Lower	Upper
180	100	265946		
182	94.6		48.5	145.6
145	29.5		14.9	44.9

Manual Integrations
 APPROVED

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 10/4/2018 7:07:53 PM



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

