

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072618\
 Data File : VX003674.D
 Acq On : 26 Jul 2018 17:04
 Operator : JC/SP
 Sample : VX0726WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0726WBSD01

Manual Integrations
 APPROVED

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 7/27/2018 5:40:30 PM

Quant Time: Jul 27 05:50:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 02:16:51 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	113391	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	167123	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	159253	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	95740	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	84509	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	
35) Dibromofluoromethane	5.51	113	69768	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
50) Toluene-d8	8.72	98	264420	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
62) 4-Bromofluorobenzene	11.14	95	95695	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	25213	19.52	ug/l	92
3) Chloromethane	1.32	50	32175	18.91	ug/l	100
4) Vinyl Chloride	1.40	62	36520	20.99	ug/l	94
5) Bromomethane	1.64	94	20070	23.89	ug/l	98
6) Chloroethane	1.72	64	22994	18.90	ug/l	97
7) Trichlorofluoromethane	1.93	101	45885	20.49	ug/l	94
8) Diethyl Ether	2.19	74	19380	19.75	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	27460	19.92	ug/l	98
10) Methyl Iodide	2.51	142	35612	21.12	ug/l	98
11) Tert butyl alcohol	3.05	59	42263	105.26	ug/l	99
12) 1,1-Dichloroethene	2.38	96	26040	19.85	ug/l	92
13) Acrolein	2.29	56	21804	109.70	ug/l	97
14) Allyl chloride	2.73	41	55719	20.38	ug/l	98
15) Acrylonitrile	3.15	53	102719	105.89	ug/l	99
16) Acetone	2.44	43	85086	107.83	ug/l	99
17) Carbon Disulfide	2.57	76	73424	19.46	ug/l	98
18) Methyl Acetate	2.78	43	51339	21.54	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	96267	20.78	ug/l	98
20) Methylene Chloride	2.86	84	32190	20.59	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	29196	20.70	ug/l	99
22) Diisopropyl ether	3.87	45	107521	21.54	ug/l	95
23) Vinyl Acetate	3.82	43	456062	106.65	ug/l	99
24) 1,1-Dichloroethane	3.70	63	57673	20.50	ug/l	98
25) 2-Butanone	4.71	43	132198	108.45	ug/l	99
26) 2,2-Dichloropropane	4.59	77	42624	23.96	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	33073	21.60	ug/l	93
28) Bromochloromethane	5.03	49	22335	19.78	ug/l	99
29) Tetrahydrofuran	5.17	42	83429	105.13	ug/l	98
30) Chloroform	5.21	83	54321	21.29	ug/l	97
31) Cyclohexane	5.57	56	45693	20.23	ug/l	96
32) 1,1,1-Trichloroethane	5.50	97	44366	20.93	ug/l	97
36) 1,1-Dichloropropene	5.80	75	39364	20.15	ug/l	99
37) Ethyl Acetate	4.87	43	47000	20.01	ug/l	99
38) Carbon Tetrachloride	5.79	117	38194	20.29	ug/l	99

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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VX0726WBSD01

Manual Integrations
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 7/27/2018 5:40:30 PM

Quant Time: Jul 27 05:50:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 02:16:51 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	42910	19.96	ug/l	99
40) Benzene	6.14	78	121116	20.95	ug/l	98
41) Methacrylonitrile	5.07	41	26130	20.09	ug/l	98
42) 1,2-Dichloroethane	6.21	62	42830	21.05	ug/l	100
43) Isopropyl Acetate	6.47	43	72312	21.10	ug/l	100
44) Trichloroethene	7.22	130	30050	19.39	ug/l	100
45) 1,2-Dichloropropane	7.52	63	31593	21.14	ug/l	95
46) Dibromomethane	7.67	93	19639	20.46	ug/l	99
47) Bromodichloromethane	7.90	83	36841	20.47	ug/l	98
48) Methyl methacrylate	7.78	41	36294	20.87	ug/l	98
49) 1,4-Dioxane	7.76	88	16134	415.88	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	245255	106.07	ug/l	98
52) Toluene	8.79	92	73817	20.54	ug/l	100
53) t-1,3-Dichloropropene	9.05	75	41002	20.58	ug/l	97
54) cis-1,3-Dichloropropene	8.44	75	45648	20.82	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	30476	20.75	ug/l	99
56) Ethyl methacrylate	9.18	69	44479	20.35	ug/l	97
57) 1,3-Dichloropropane	9.38	76	51411	20.85	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	115608	105.25	ug/l	100
59) 2-Hexanone	9.50	43	188516	106.29	ug/l	99
60) Dibromochloromethane	9.59	129	28424	20.40	ug/l	98
61) 1,2-Dibromoethane	9.68	107	31694	20.72	ug/l	98
64) Tetrachloroethene	9.34	164	27702	19.03	ug/l	97
65) Chlorobenzene	10.14	112	81681	20.38	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	28770	20.65	ug/l	99
67) Ethyl Benzene	10.26	91	136585	20.36	ug/l	99
68) m/p-Xylenes	10.36	106	105816	41.11	ug/l	98
69) o-Xylene	10.70	106	50775	20.49	ug/l	98
70) Styrene	10.71	104	85769	20.61	ug/l	99
71) Bromoform	10.86	173	21748	19.74	ug/l #	99
73) Isopropylbenzene	11.02	105	138009	21.10	ug/l	99
74) N-amyl acetate	6.47	43	72312	21.20	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	49538	20.51	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	42383m	21.11	ug/l	
77) Bromobenzene	11.26	156	36467	20.53	ug/l	99
78) n-propylbenzene	11.36	91	161505	21.38	ug/l	99
79) 2-Chlorotoluene	11.43	91	96287	20.97	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	115944	20.95	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	13431	20.72	ug/l	94
82) 4-Chlorotoluene	11.51	91	111933	20.70	ug/l	100
83) tert-Butylbenzene	11.77	119	112865	20.84	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	120692	21.22	ug/l	100
85) sec-Butylbenzene	11.95	105	135888	21.02	ug/l	100
86) p-Isopropyltoluene	12.07	119	119470	20.59	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	67203	20.31	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	68581	19.94	ug/l	99
89) n-Butylbenzene	12.39	91	104130	19.91	ug/l	99
90) Hexachloroethane	12.60	117	18581	21.15	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	68067	20.14	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	10446	20.77	ug/l	99

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0726WBSD01

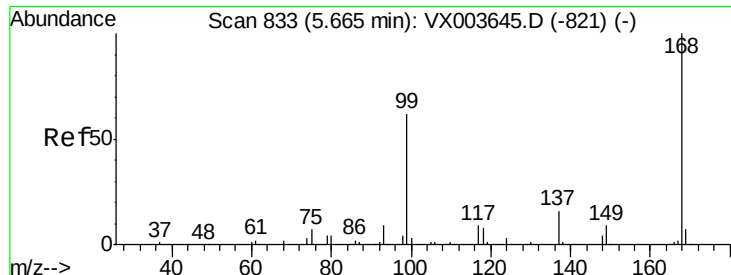
Manual Integrations
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Quant Time: Jul 27 05:50:06 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X072418W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 27 02:16:51 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	46666	19.35	ug/l	100
94) Hexachlorobutadiene	13.79	225	21732	19.47	ug/l	98
95) Naphthalene	13.83	128	147947	20.28	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	48436	19.77	ug/l	99

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



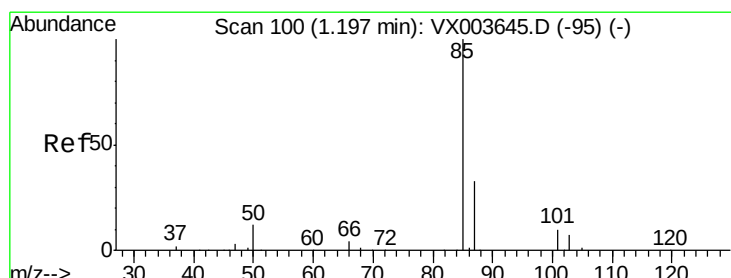
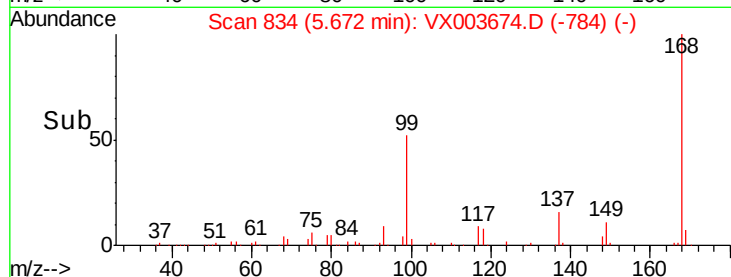
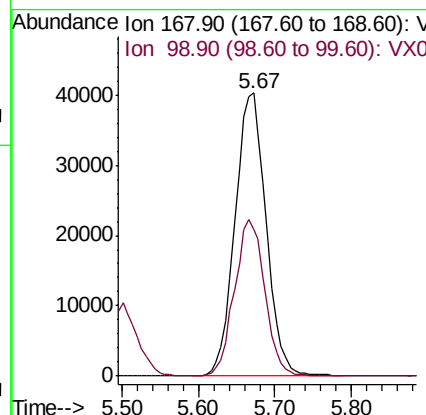
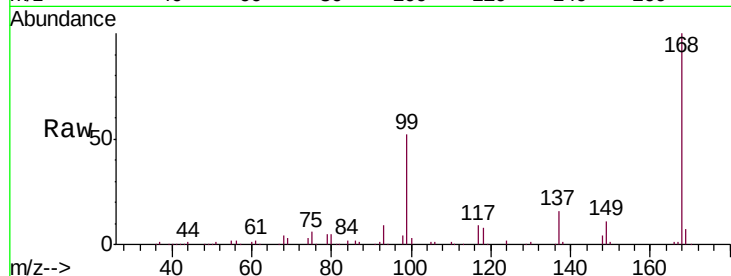
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.01 min
Lab File: VX003674.D
Acq: 26 Jul 2018 17:04

Instrument :
MSVOA_X
ClientSampleId :
VX0726WBSD01

Tot Ion	Ratio	Lower	Upper
168	100		
99	51.6	49.5	74.3

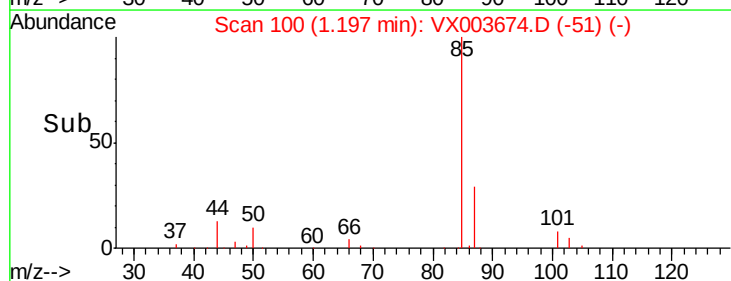
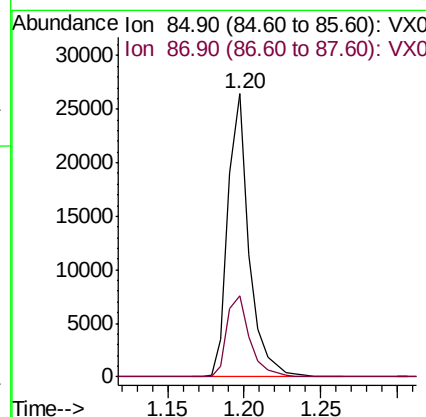
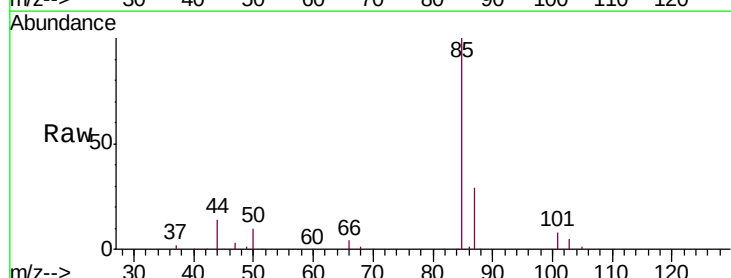
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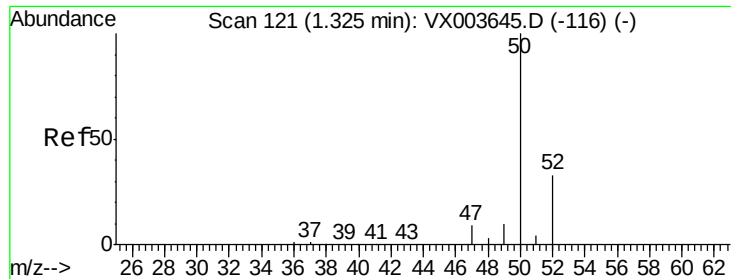
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#2
Dichlorodifluoromethane
Concen: 19.52 ug/l
RT: 1.20 min Scan# 100
Delta R.T. 0.00 min
Lab File: VX003674.D
Acq: 26 Jul 2018 17:04

Tgt Ion	Ratio	Lower	Upper
85	100		
87	28.7	16.5	49.5





#3

Chloromethane

Concen: 18.91 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003674.D

Acq: 26 Jul 2018 17:04

Instrument :

MSVOA_X

ClientSampleId :

VX0726WBSD01

Tot Ion: 50 Resp: 32175

Ion Ratio Lower Upper

50 100

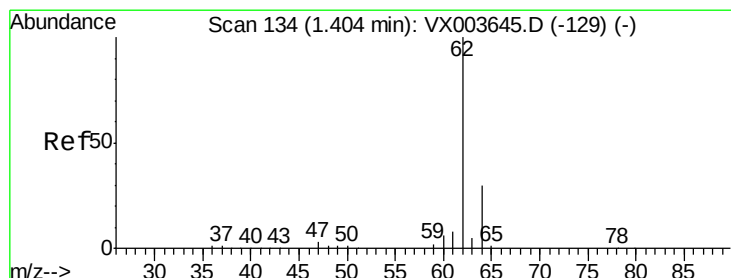
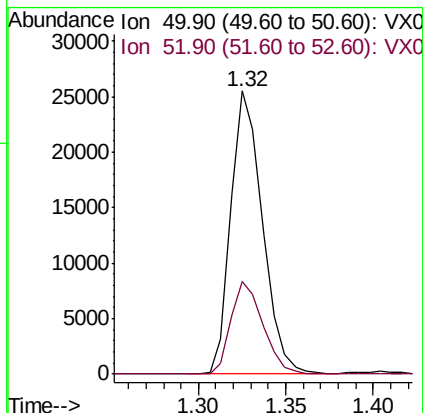
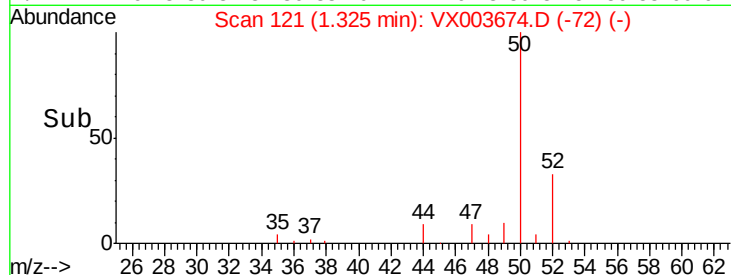
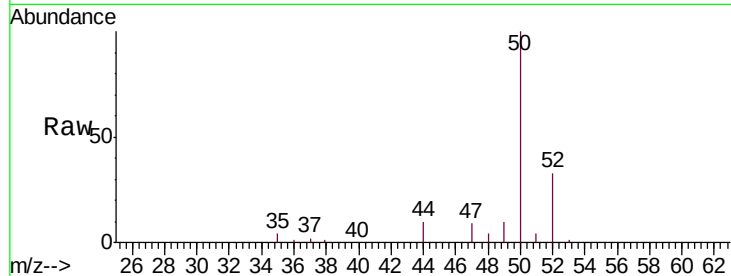
52 32.6 26.3 39.5

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#4

Vinyl Chloride

Concen: 20.99 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003674.D

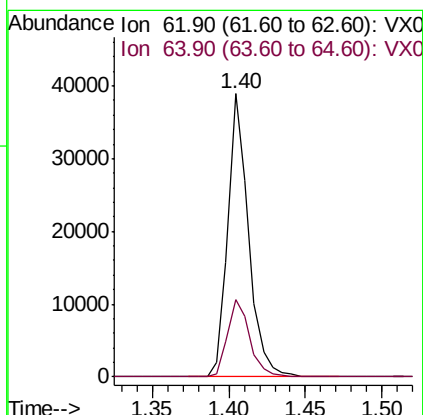
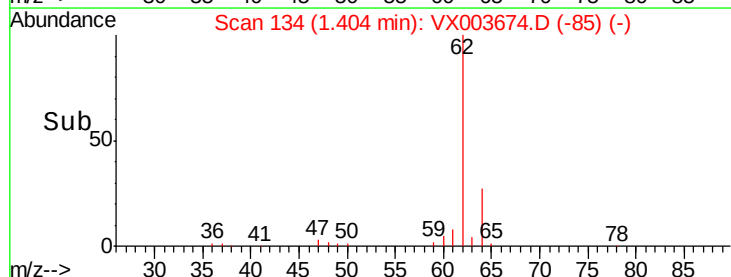
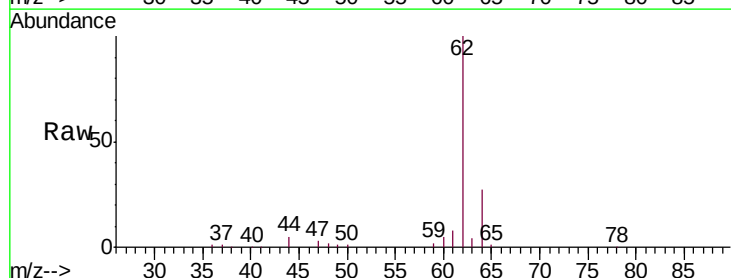
Acq: 26 Jul 2018 17:04

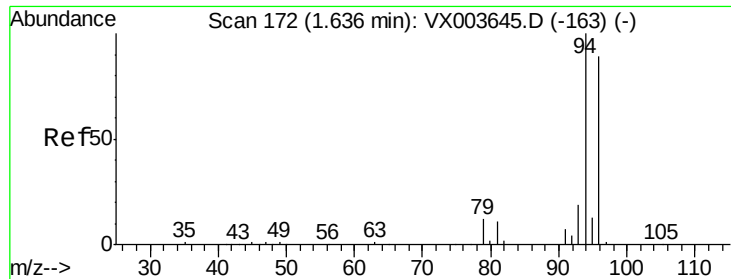
Tgt Ion: 62 Resp: 36520

Ion Ratio Lower Upper

62 100

64 27.3 24.4 36.6





#5

Bromomethane

Concen: 23.89 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003674.D

Acq: 26 Jul 2018 17:04

Instrument :

MSVOA_X

ClientSampleId :

VX0726WBSD01

Tot Ion: 94 Resp: 20070

Ion Ratio Lower Upper

94 100

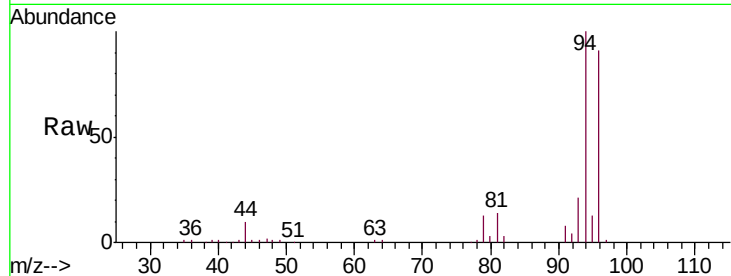
96 91.0 71.3 106.9

Manual Integrations

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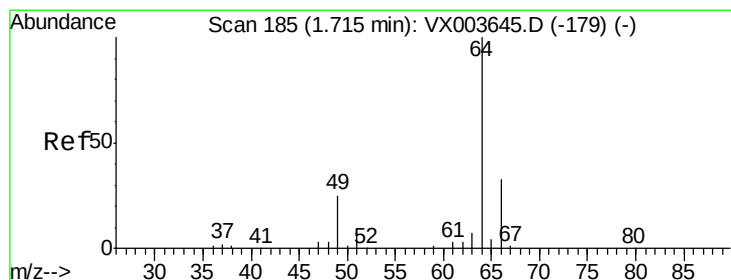
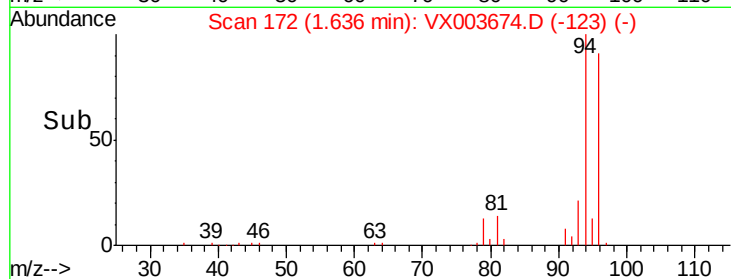
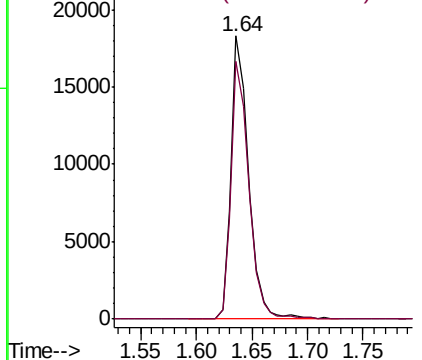
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 18.90 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX003674.D

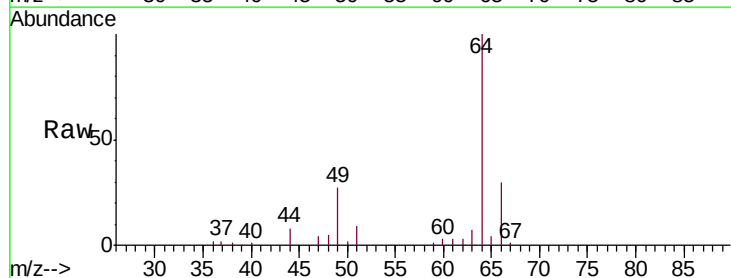
Acq: 26 Jul 2018 17:04

Tgt Ion: 64 Resp: 22994

Ion Ratio Lower Upper

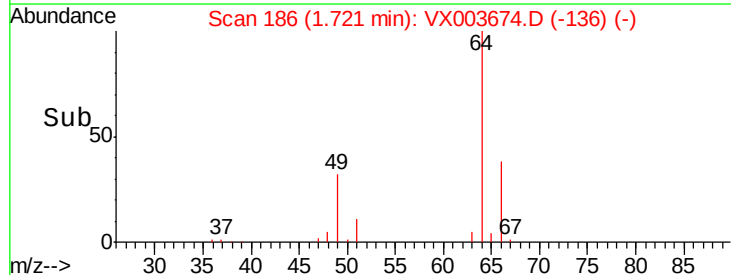
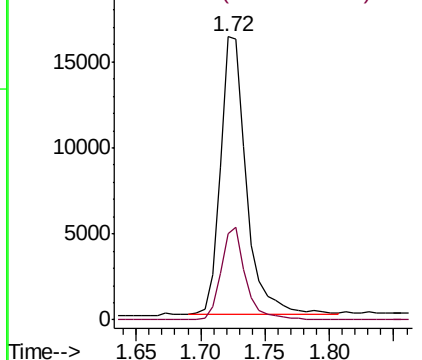
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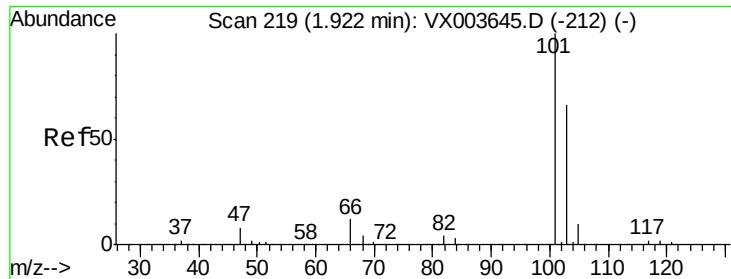
66 31.1 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

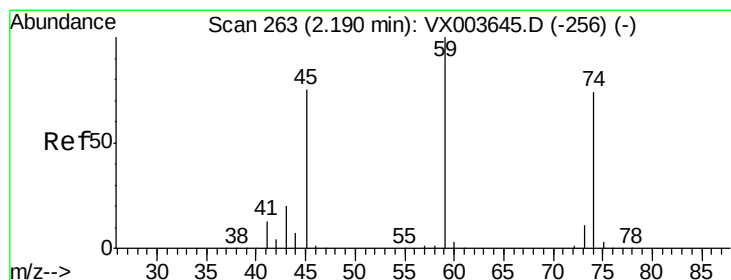
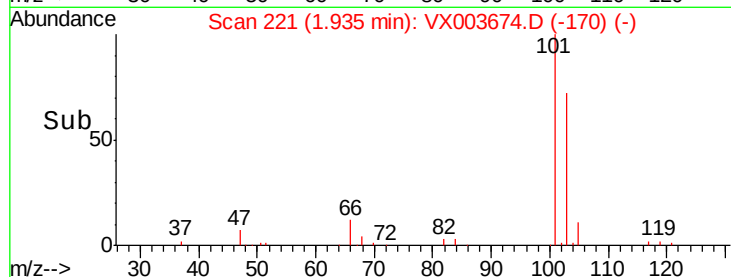
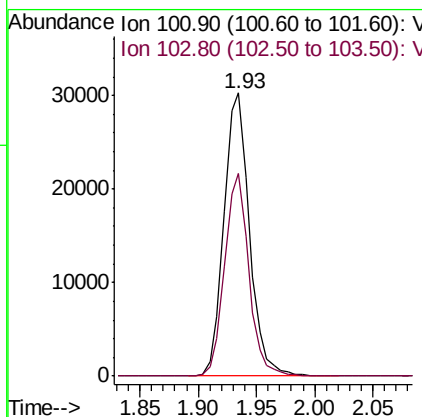
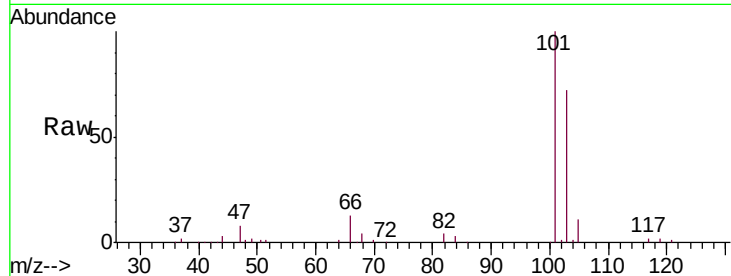
Trichlorofluoromethane
Concen: 20.49 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.01 min
Lab File: VX003674.D
Acq: 26 Jul 2018 17:04

Instrument :
MSVOA_X
ClientSampled :
VX0726WBSD01

Tot Ion:101 Resp: 45885
Ion Ratio Lower Upper
101 100
103 71.7 53.2 79.8

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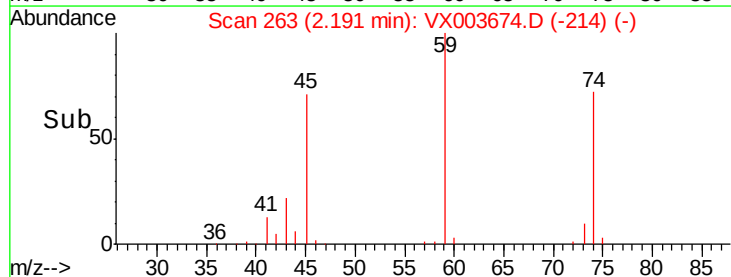
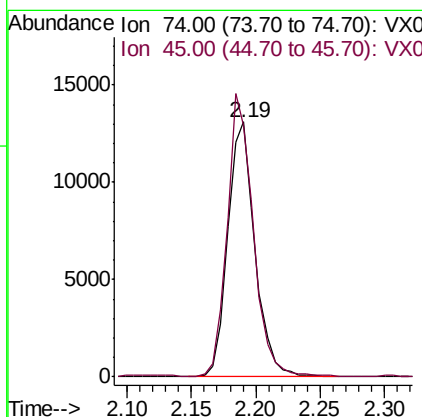
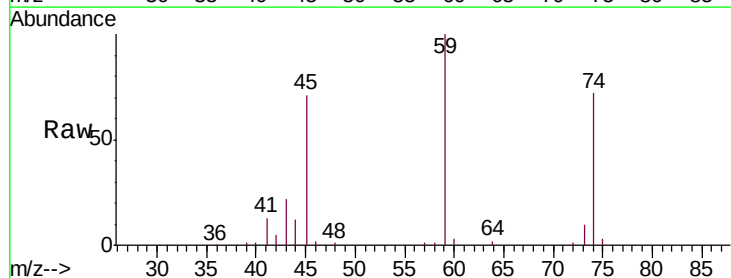
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7/27/2018 5:40:30 PM

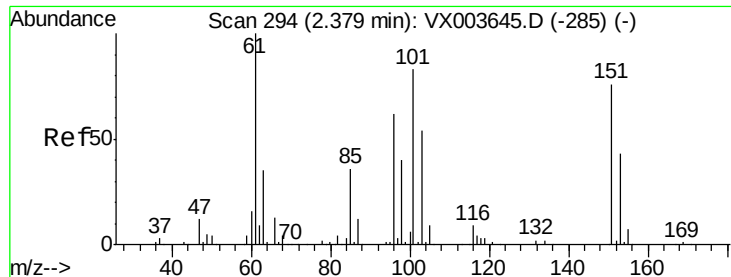


#8

Diethyl Ether
Concen: 19.75 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX003674.D
Acq: 26 Jul 2018 17:04

Tgt Ion: 74 Resp: 19380
Ion Ratio Lower Upper
74 100
45 107.2 51.0 153.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.92 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX003674.D

Acq: 26 Jul 2018 17:04

Instrument :

MSVOA_X

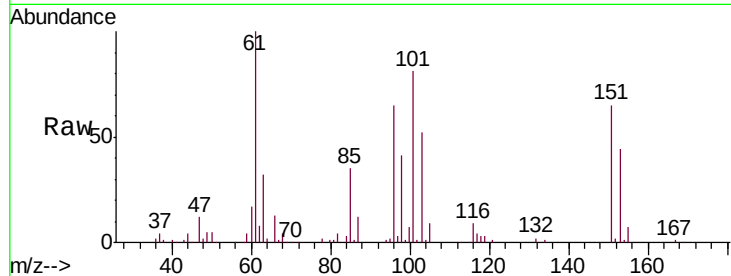
ClientSampleId :

VX0726WBSD01

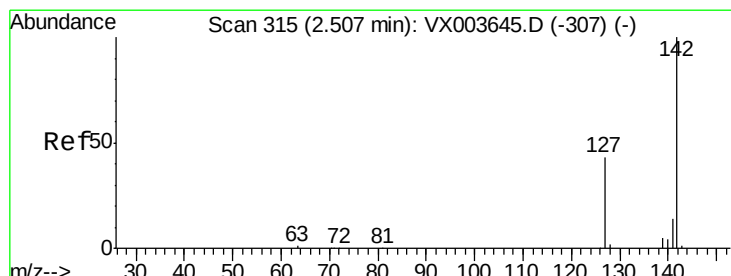
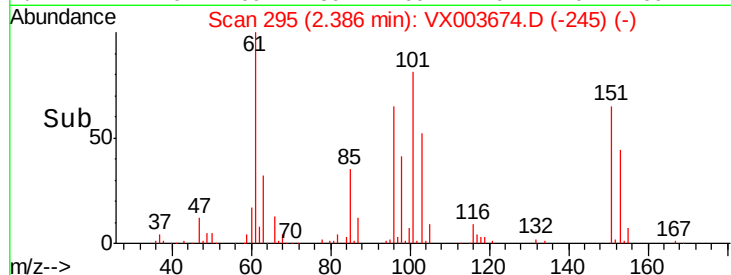
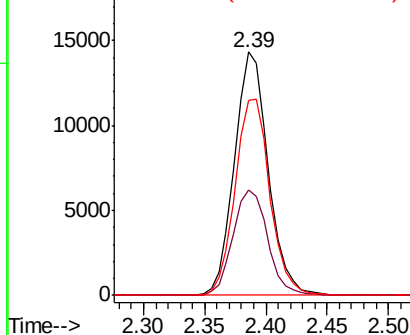
Tot Ion:	101	Resp:	27460
Ion Ratio	Lower	Upper	
101	100		
85	44.5	34.6	52.0
151	83.0	67.5	101.3

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.12 ug/l

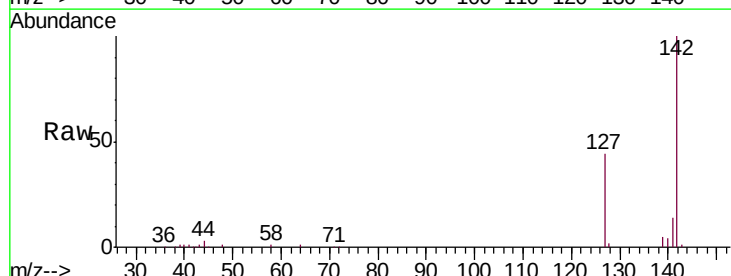
RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

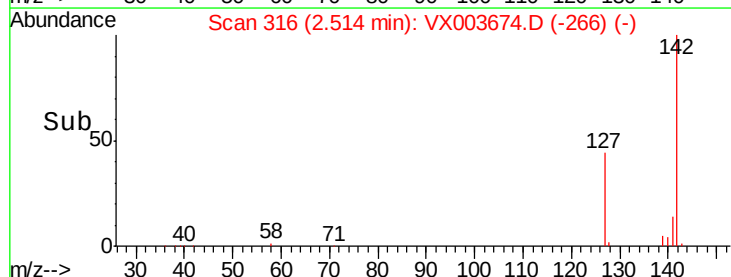
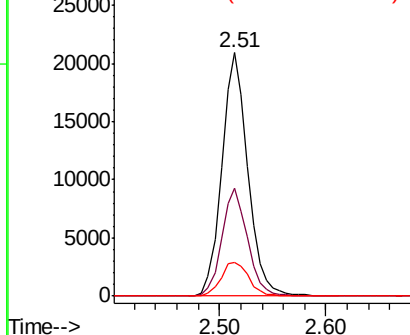
Lab File: VX003674.D

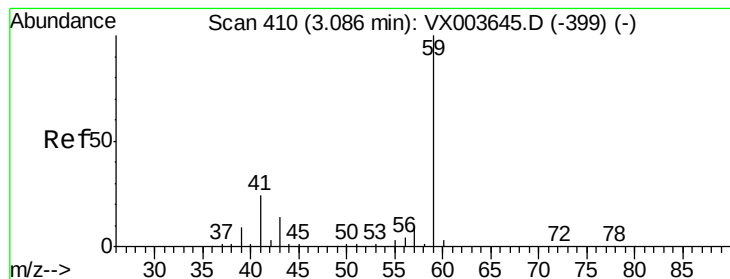
Acq: 26 Jul 2018 17:04

Tgt Ion:	142	Resp:	35612
Ion Ratio	Lower	Upper	
142	100		
127	43.7	34.0	51.0
141	14.8	11.3	16.9



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

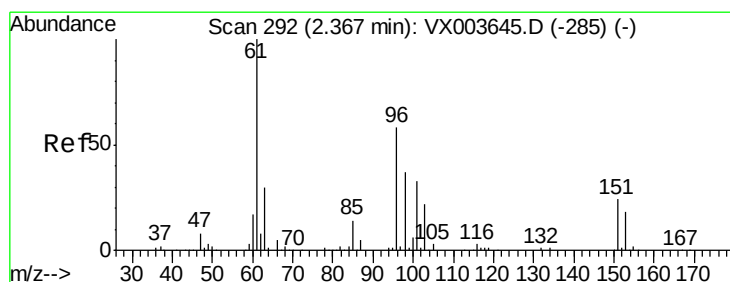
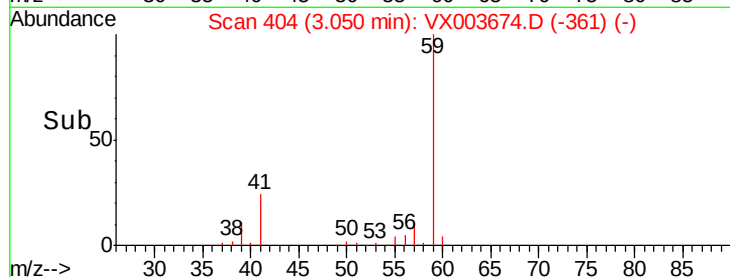
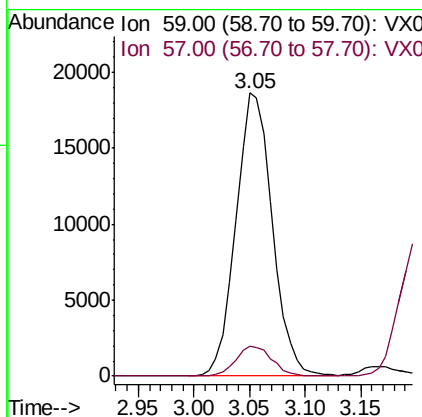
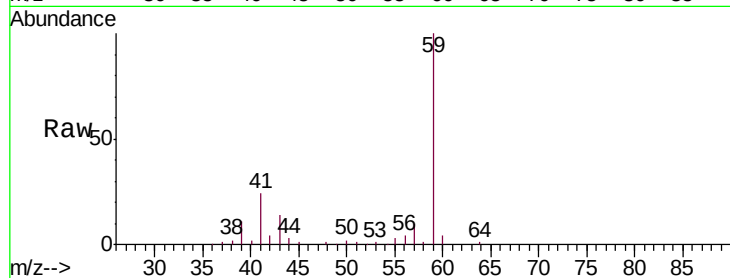
Tert butyl alcohol
 Concen: 105.26 ug/l
 RT: 3.05 min Scan# 404
 Delta R.T. -0.04 min
 Lab File: VX003674.D
 Acq: 26 Jul 2018 17:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0726WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.2	12.4

Manual Integrations
 APPROVED

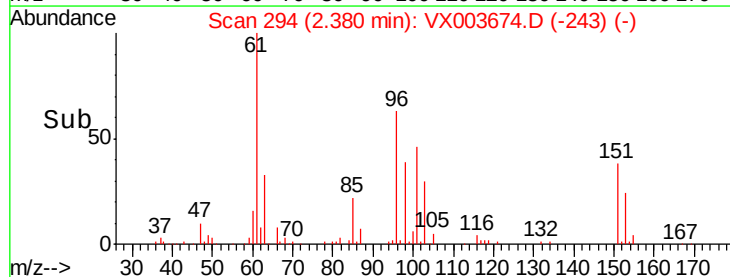
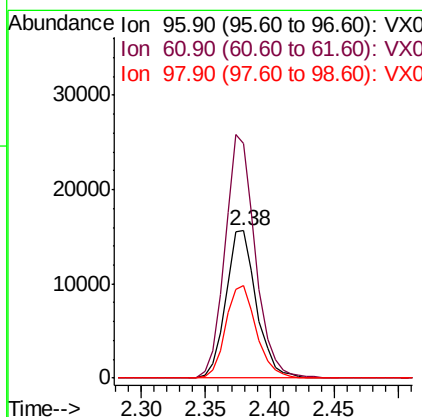
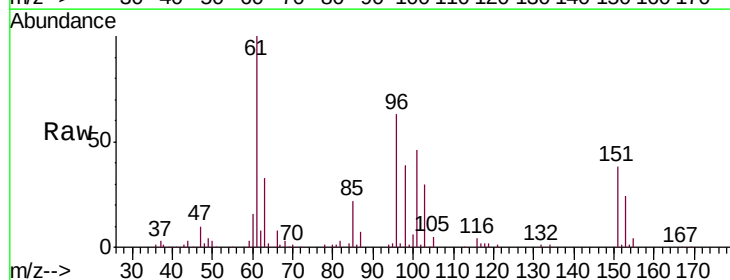
MMDadoda
 7/27/2018 5:40:30 PM

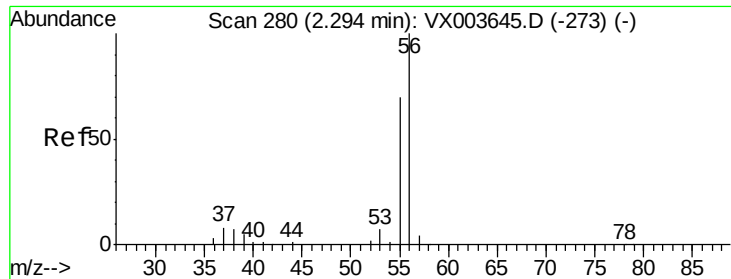


#12

1,1-Dichloroethene
 Concen: 19.85 ug/l
 RT: 2.38 min Scan# 294
 Delta R.T. 0.01 min
 Lab File: VX003674.D
 Acq: 26 Jul 2018 17:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.8	138.8	208.2
98	62.8	51.4	77.2





#13

Acrolein

Concen: 109.70 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003674.D

Acq: 26 Jul 2018 17:04

Instrument :

MSVOA_X

ClientSampleId :

VX0726WBSD01

Tot Ion: 56 Resp: 21804

Ion Ratio Lower Upper

56 100

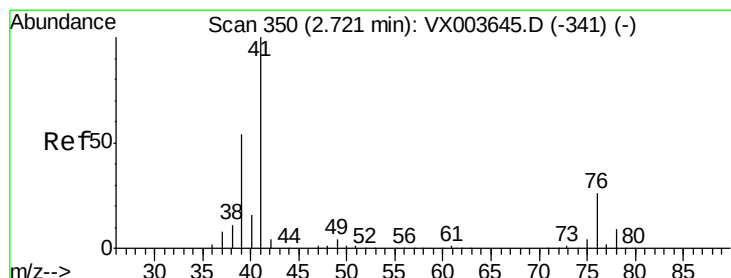
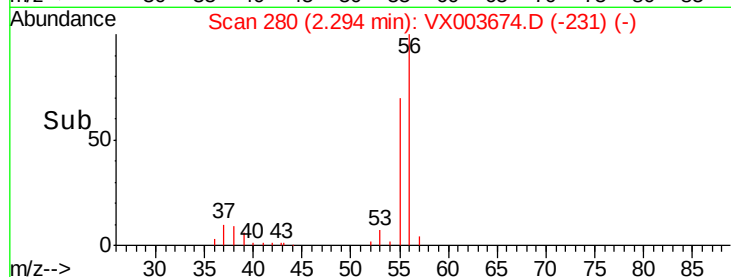
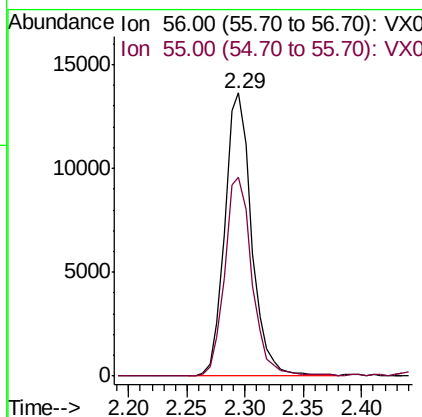
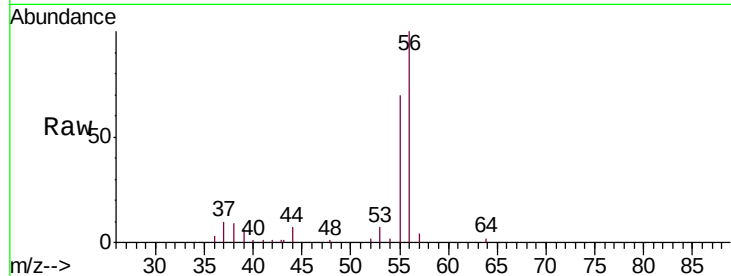
55 72.0 55.4 83.2

Manual Integrations

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#14

Allyl chloride

Concen: 20.38 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.01 min

Lab File: VX003674.D

Acq: 26 Jul 2018 17:04

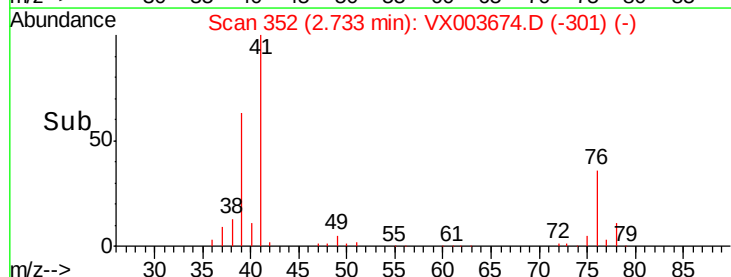
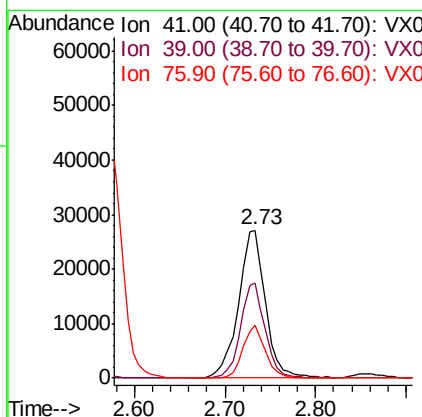
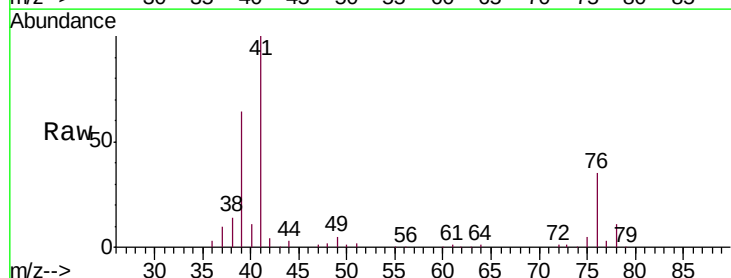
Tgt Ion: 41 Resp: 55719

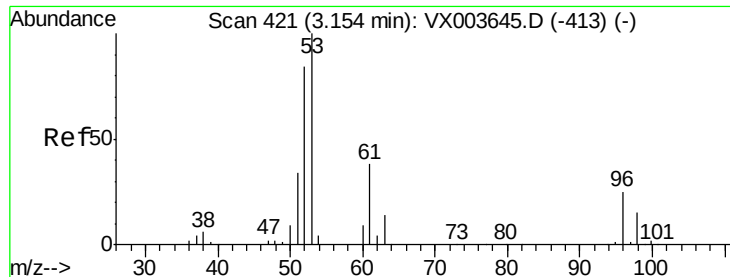
Ion Ratio Lower Upper

41 100

39 59.2 45.3 67.9

76 29.6 23.8 35.6





#15

Acrylonitrile

Concen: 105.89 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX003674.D

Acq: 26 Jul 2018 17:04

Instrument :

MSVOA_X

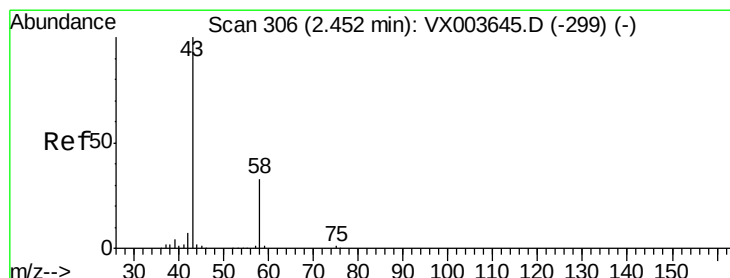
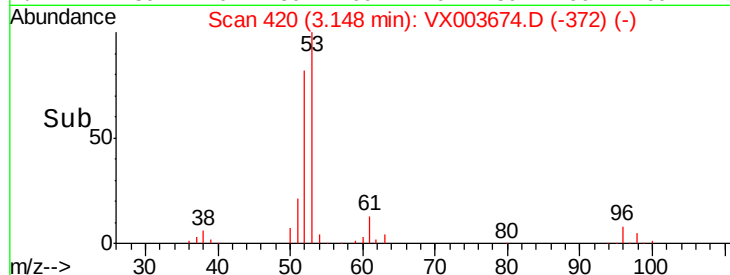
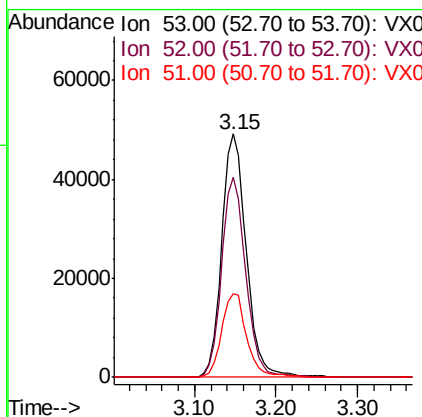
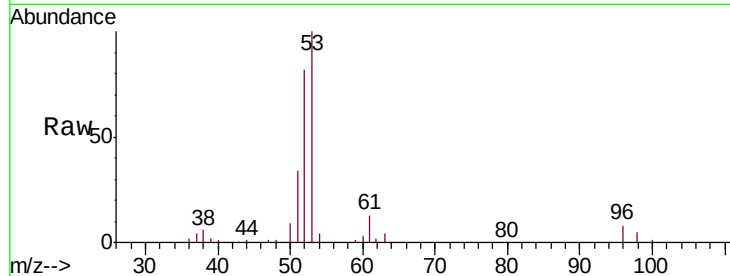
ClientSampleId :

VX0726WBSD01

Tot Ion:	53	Resp:	102719
Ion	Ratio	Lower	Upper
53	100		
52	81.3	66.1	99.1
51	35.1	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 107.83 ug/l

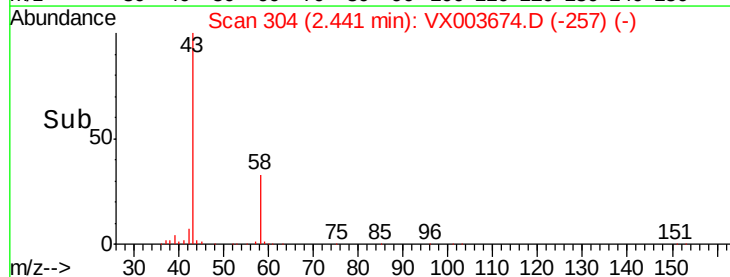
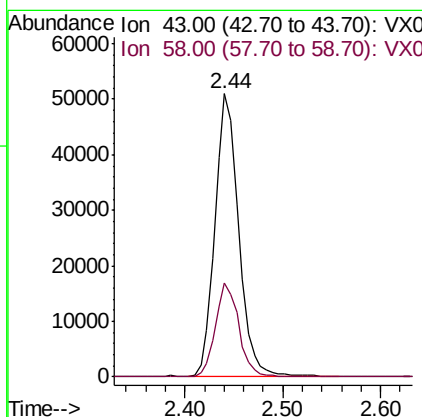
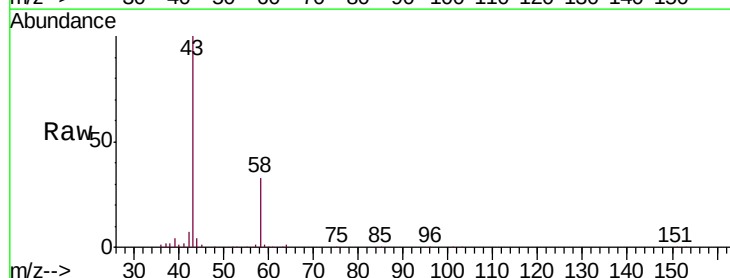
RT: 2.44 min Scan# 304

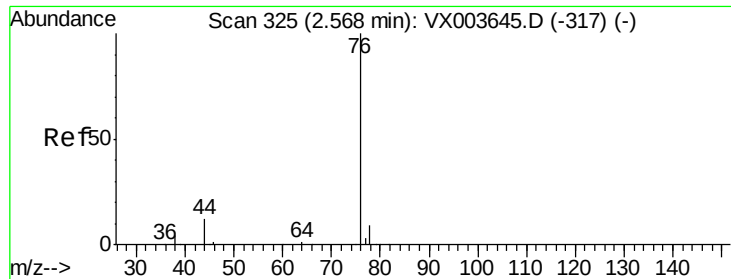
Delta R.T. -0.01 min

Lab File: VX003674.D

Acq: 26 Jul 2018 17:04

Tgt Ion:	43	Resp:	85086
Ion	Ratio	Lower	Upper
43	100		
58	33.4	26.1	39.1





#17

Carbon Disulfide

Concen: 19.46 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX003674.D

Acq: 26 Jul 2018 17:04

Instrument :

MSVOA_X

ClientSampleId :

VX0726WBSD01

Tot Ion: 76 Resp: 73424

Ion Ratio Lower Upper

76 100

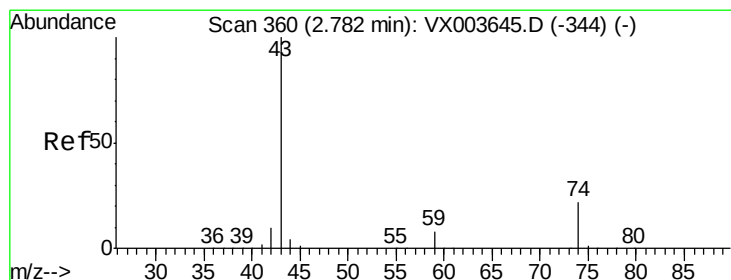
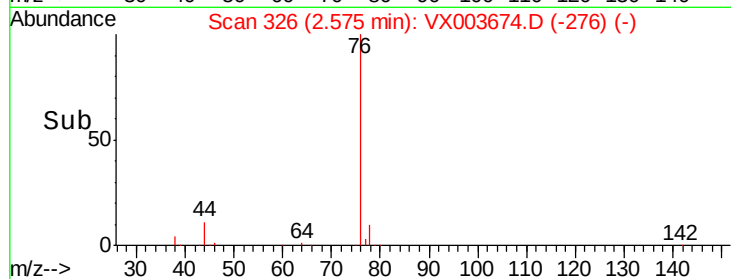
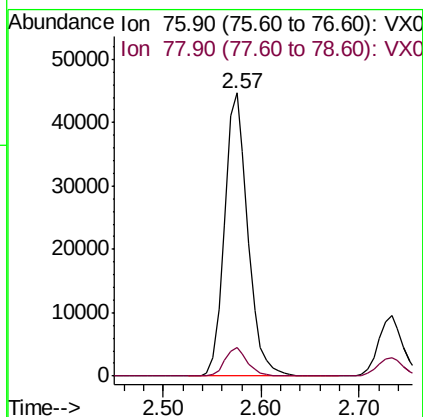
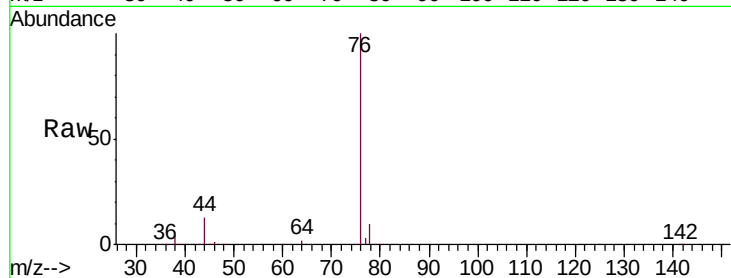
78 10.0 7.4 11.0

Manual Integrations

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#18

Methyl Acetate

Concen: 21.54 ug/l

RT: 2.78 min Scan# 359

Delta R.T. -0.01 min

Lab File: VX003674.D

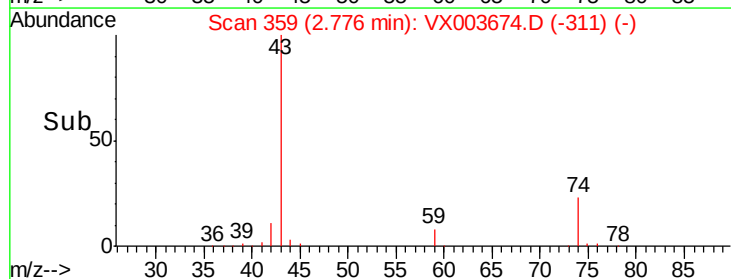
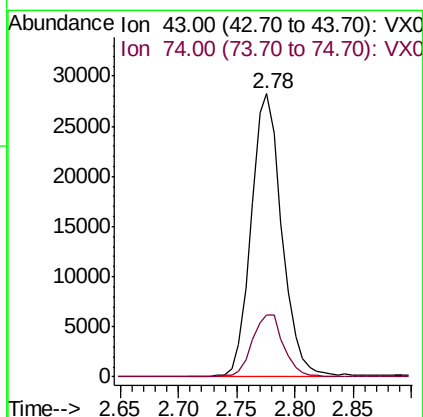
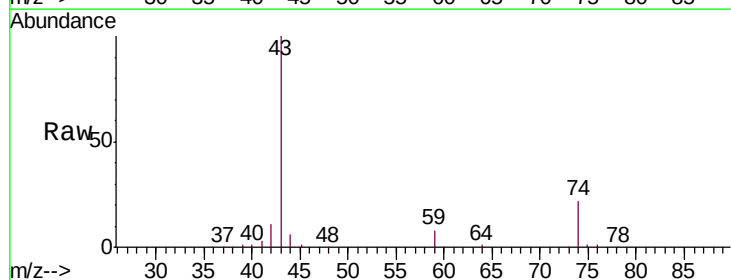
Acq: 26 Jul 2018 17:04

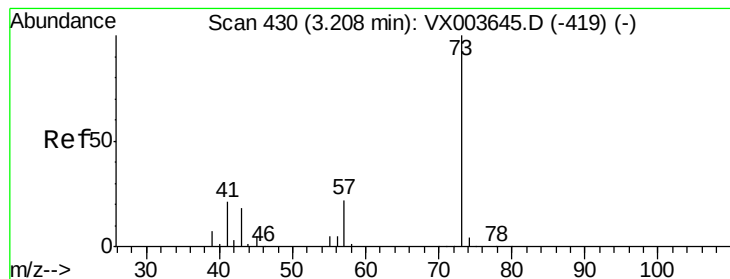
Tgt Ion: 43 Resp: 51339

Ion Ratio Lower Upper

43 100

74 22.7 17.8 26.8





#19

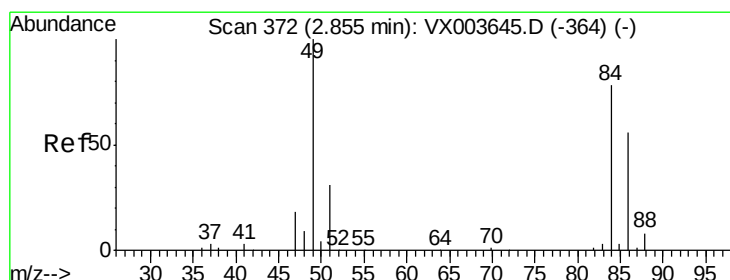
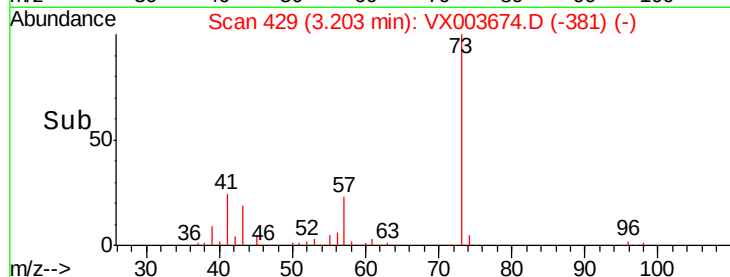
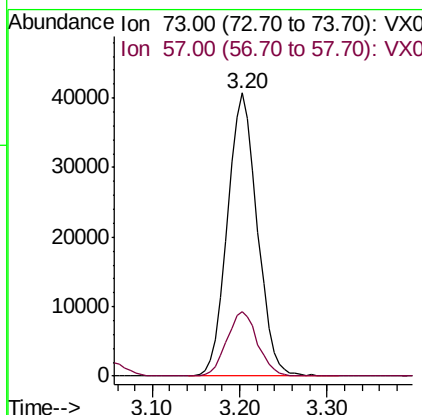
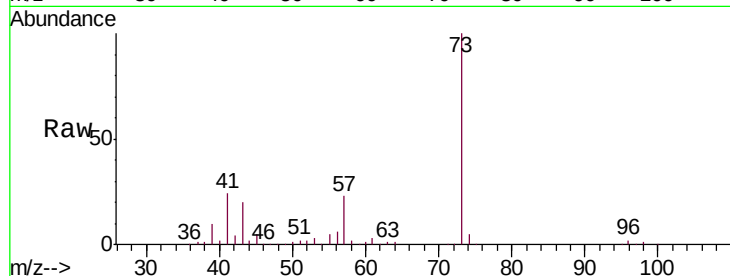
Methyl tert-butyl Ether
Concen: 20.78 ug/l
RT: 3.20 min Scan# 429
Delta R.T. -0.01 min
Lab File: VX003674.D
Acq: 26 Jul 2018 17:04

Instrument :
MSVOA_X
ClientSampleId :
VX0726WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.8	17.4	26.2

Manual Integrations
APPROVED

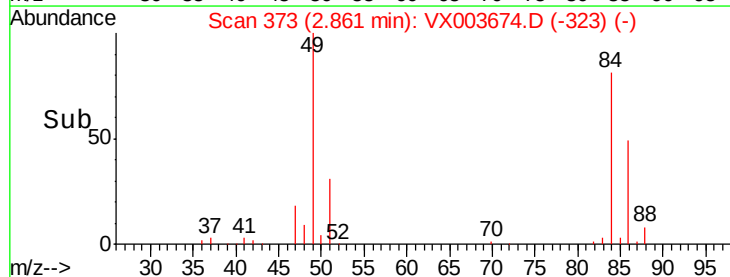
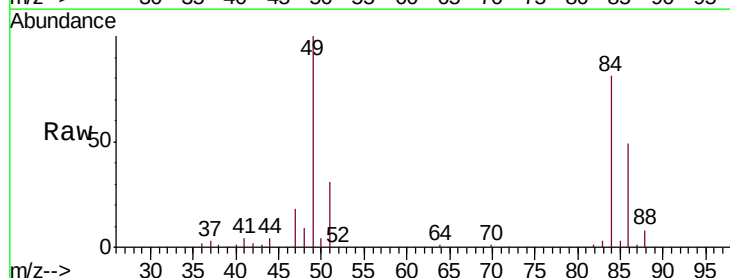
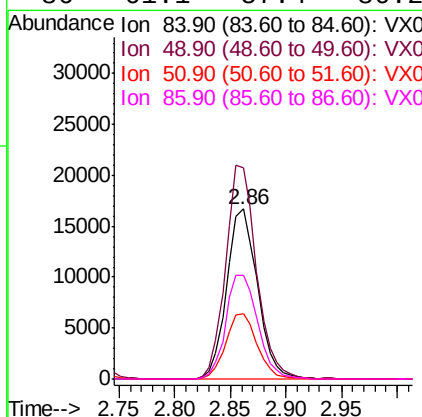
MMDadoda
7/27/2018 5:40:30 PM

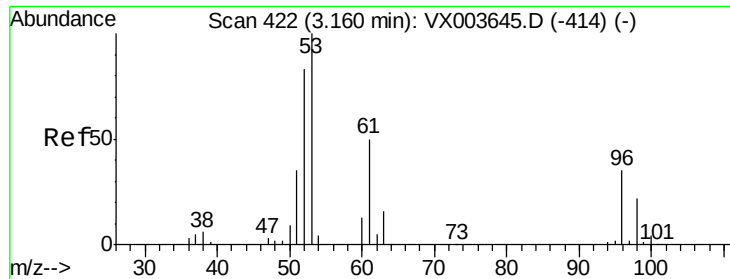


#20

Methylene Chloride
Concen: 20.59 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX003674.D
Acq: 26 Jul 2018 17:04

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.1	102.3	153.5
51	38.7	31.8	47.8
86	61.1	57.4	86.2





#21

trans-1,2-Dichloroethene

Concen: 20.70 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX003674.D

Acq: 26 Jul 2018 17:04

Instrument :

MSVOA_X

ClientSampleId :

VX0726WBSD01

Tot Ion: 96 Resp: 29196

Ion Ratio Lower Upper

96 100

61 142.8 115.0 172.4

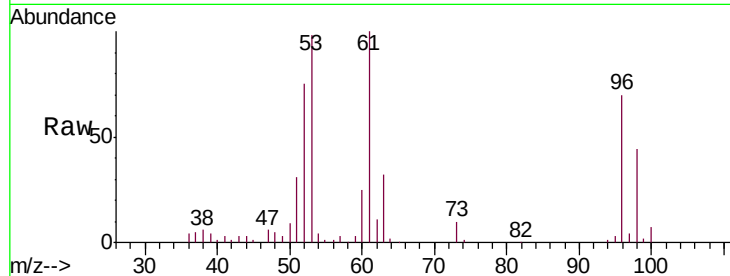
98 63.2 49.7 74.5

Manual Integrations

APPROVED

MMDadoda

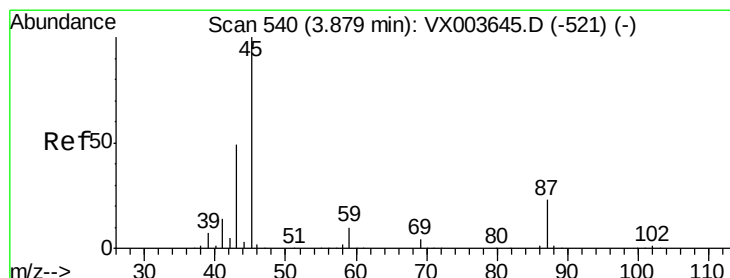
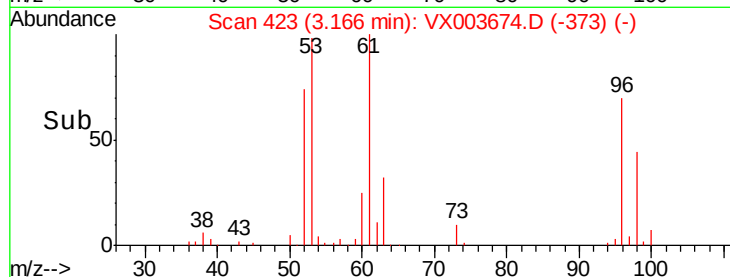
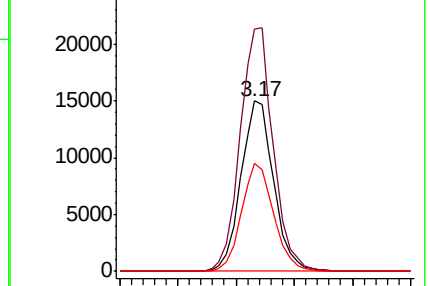
7/27/2018 5:40:30 PM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 21.54 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.01 min

Lab File: VX003674.D

Acq: 26 Jul 2018 17:04

Tgt Ion: 45 Resp: 107521

Ion Ratio Lower Upper

45 100

43 53.5 39.0 58.4

87 23.5 18.4 27.6

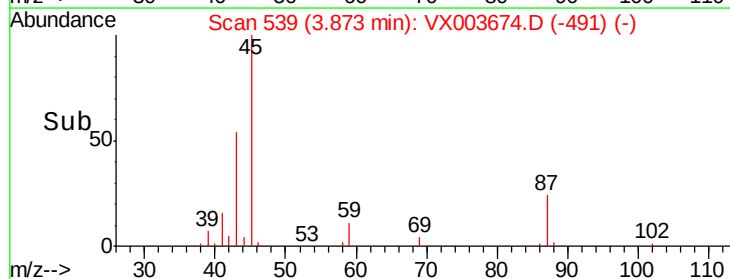
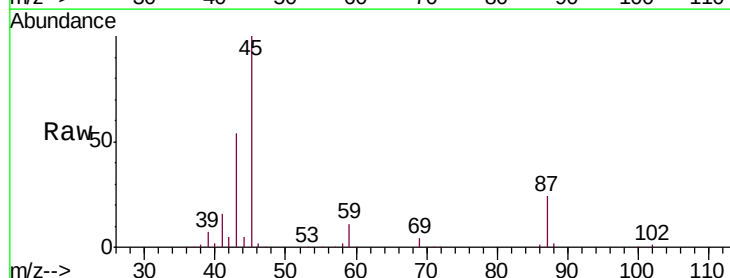
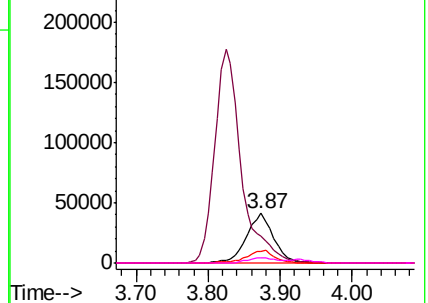
59 10.7 7.8 11.8

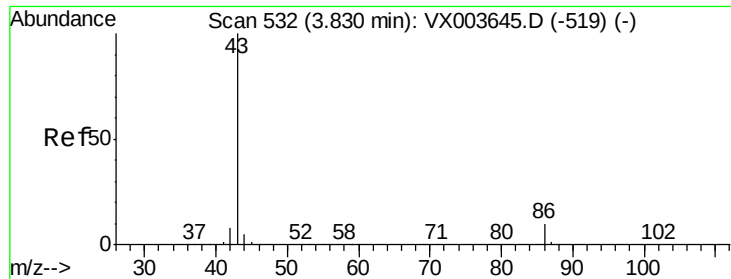
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 106.65 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX003674.D

Acq: 26 Jul 2018 17:04

Instrument :

MSVOA_X

ClientSampleId :

VX0726WBSD01

Tot Ion: 43 Resp: 456062

Ion Ratio Lower Upper

43 100

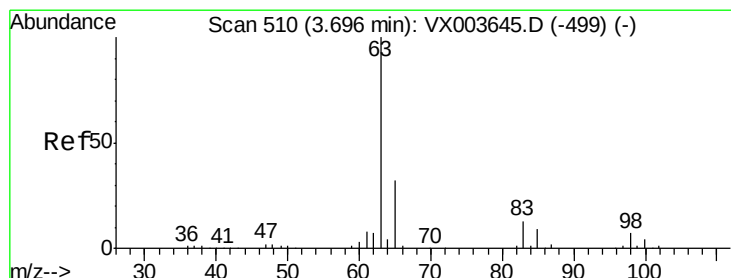
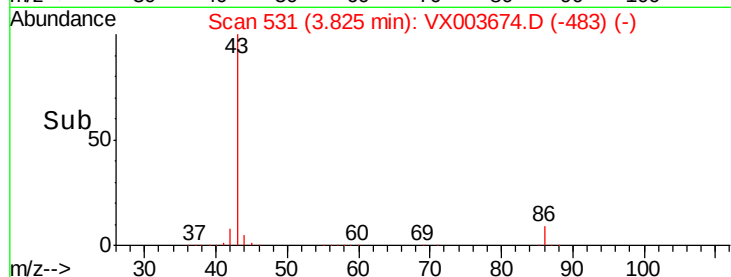
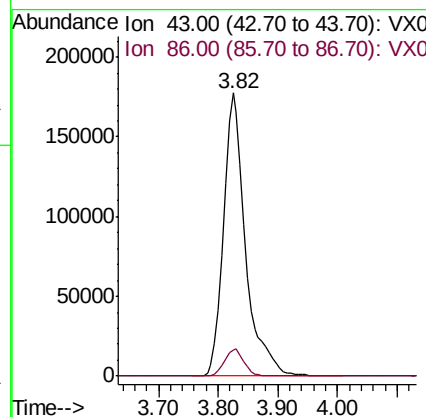
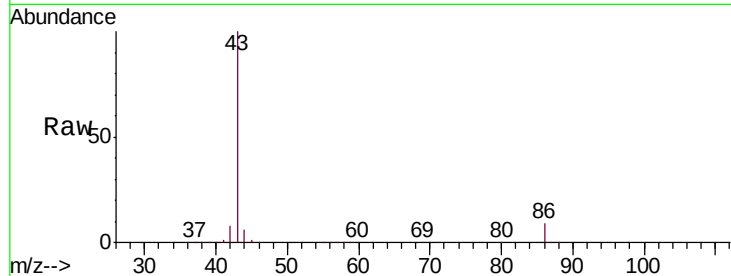
86 9.3 7.7 11.5

Manual Integrations

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MMDadoda

7/27/2018 5:40:30 PM



#24

1,1-Dichloroethane

Concen: 20.50 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX003674.D

Acq: 26 Jul 2018 17:04

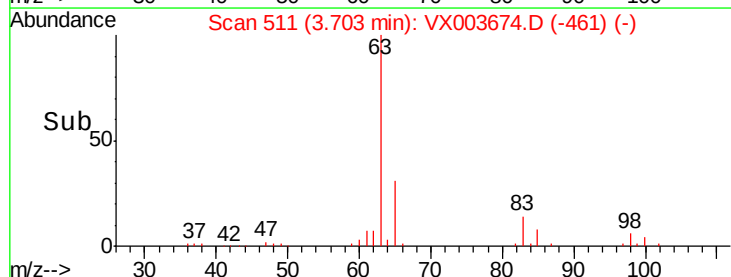
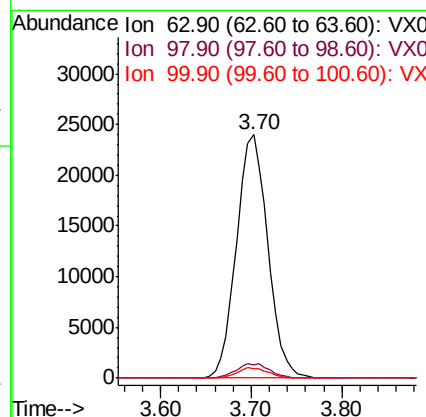
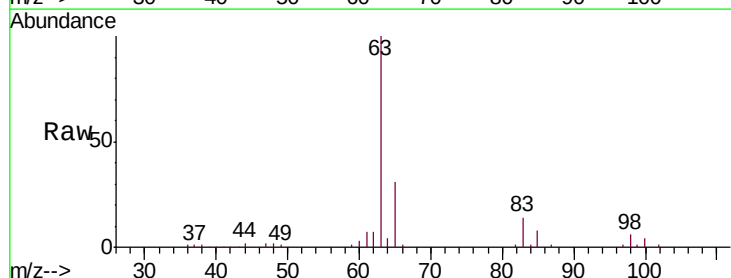
Tgt Ion: 63 Resp: 57673

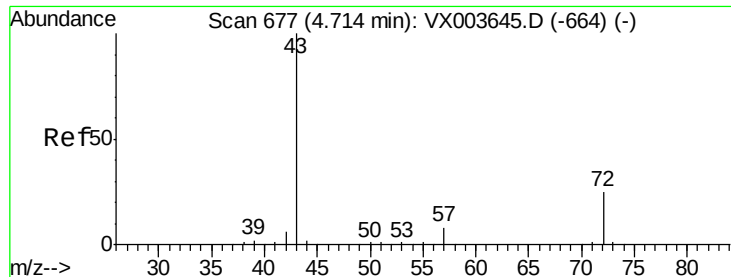
Ion Ratio Lower Upper

63 100

98 5.6 3.3 9.8

100 3.6 2.1 6.3





#25

2-Butanone

Concen: 108.45 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX003674.D

Acq: 26 Jul 2018 17:04

Instrument :

MSVOA_X

ClientSampleId :

VX0726WBSD01

Tot Ion: 43 Resp: 132198

Ion Ratio Lower Upper

43 100

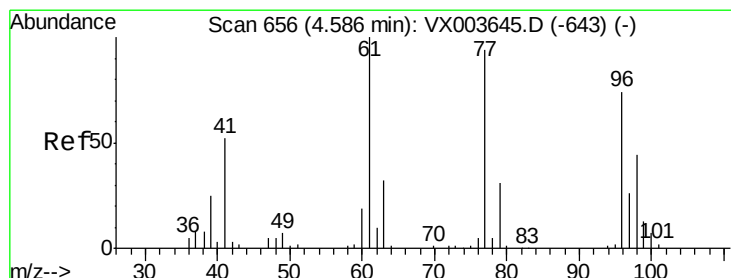
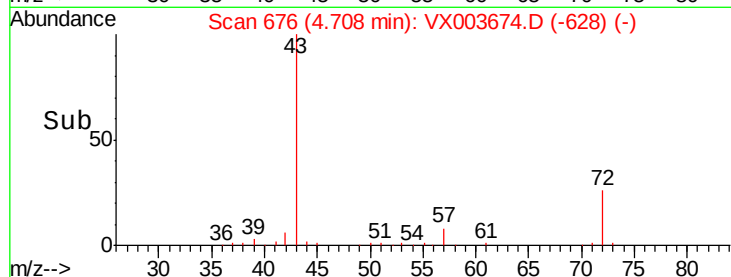
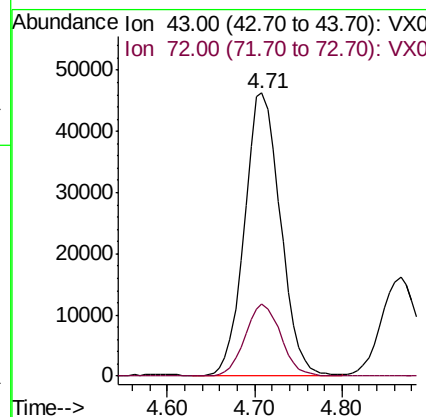
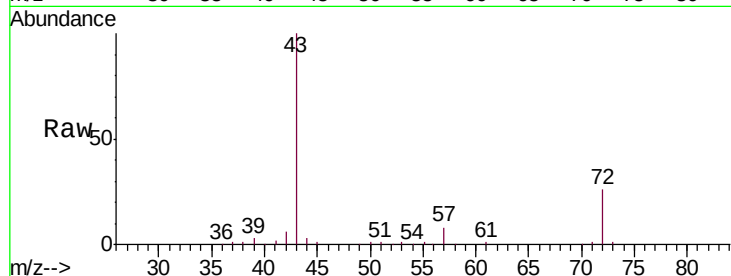
72 25.7 20.2 30.4

Manual Integrations

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MMDadoda

7/27/2018 5:40:30 PM



#26

2,2-Dichloropropane

Concen: 23.96 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003674.D

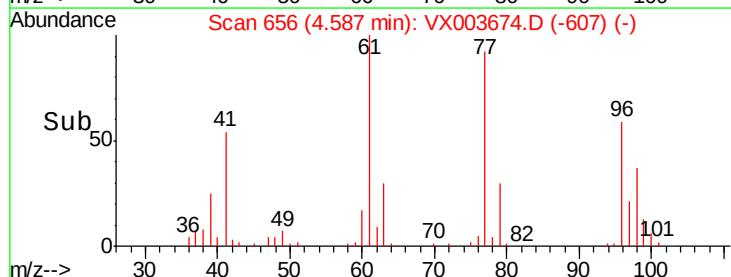
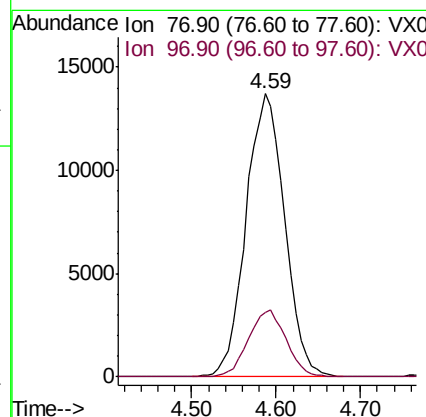
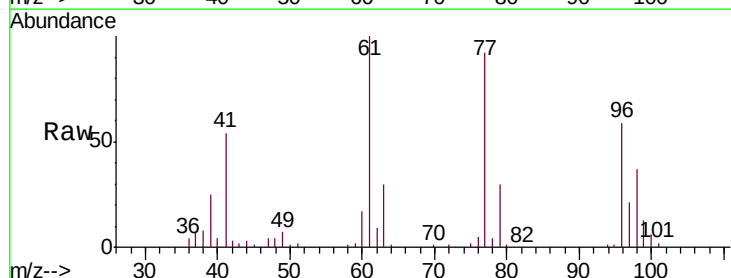
Acq: 26 Jul 2018 17:04

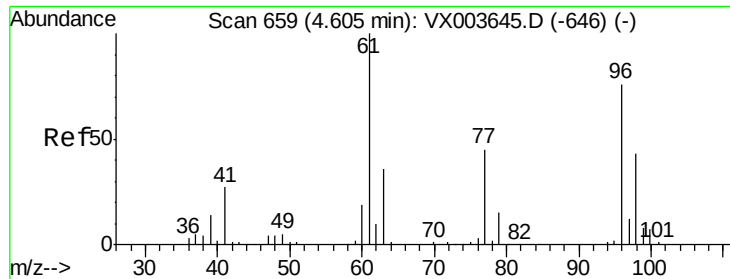
Tgt Ion: 77 Resp: 42624

Ion Ratio Lower Upper

77 100

97 23.1 12.0 36.0





#27

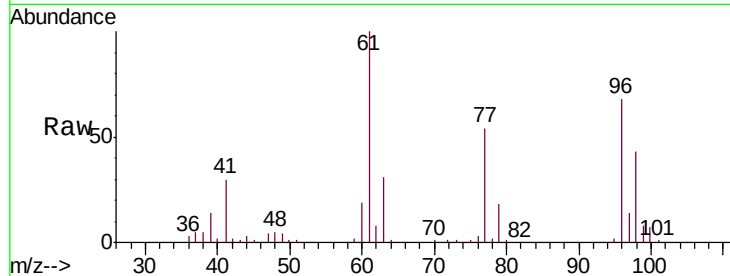
cis-1,2-Dichloroethene
Concen: 21.60 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.00 min
Lab File: VX003674.D
Acq: 26 Jul 2018 17:04

Instrument :
MSVOA_X
ClientSampleId :
VX0726WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	168.4	0.0	313.6
98	64.9	0.0	125.6

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MMDadoda
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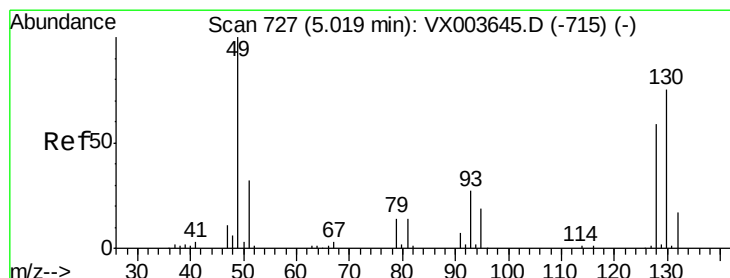
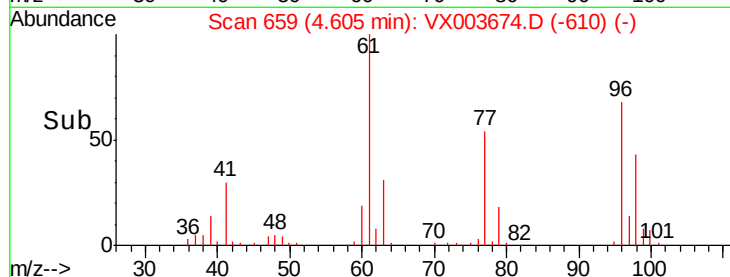
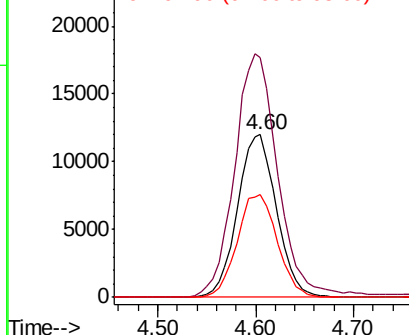


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

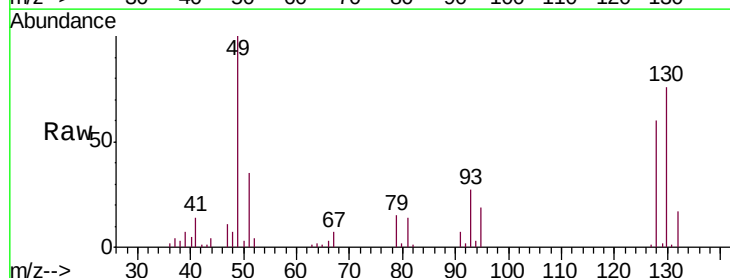
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
Concen: 19.78 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.01 min
Lab File: VX003674.D
Acq: 26 Jul 2018 17:04

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.2
130	77.3	61.0	91.6

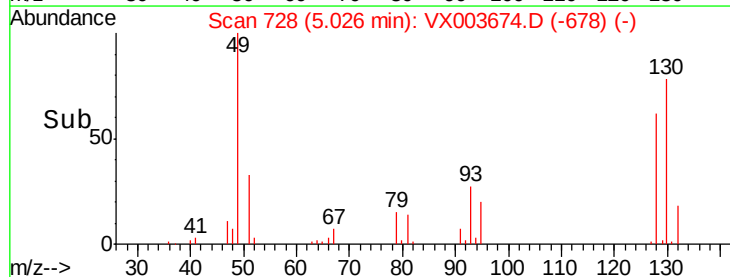
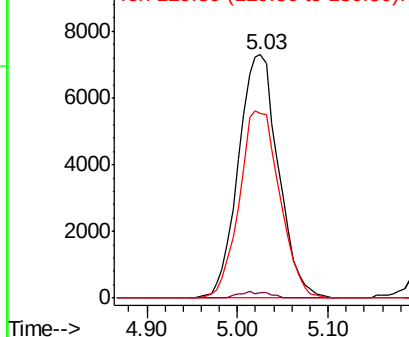


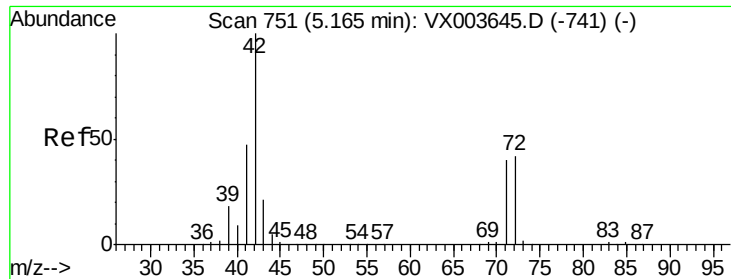
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





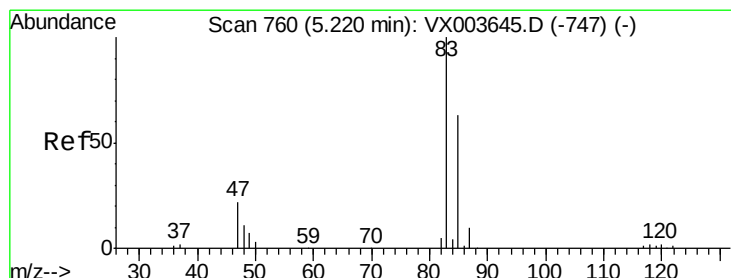
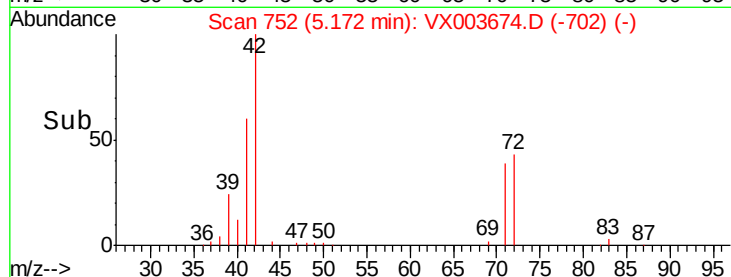
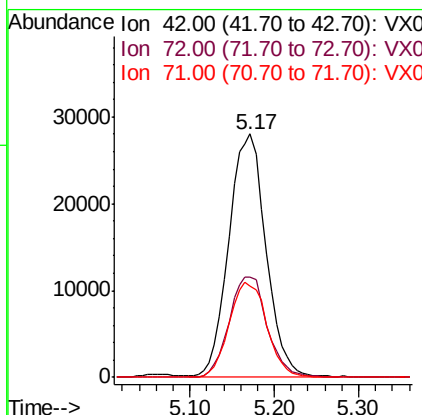
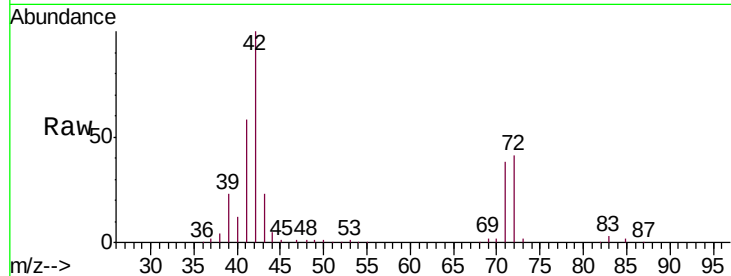
#29
Tetrahydrofuran
Concen: 105.13 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX003674.D
Acq: 26 Jul 2018 17:04

Instrument :
MSVOA_X
ClientSampleId :
VX0726WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.5	33.4	50.0
71	40.0	31.0	46.6

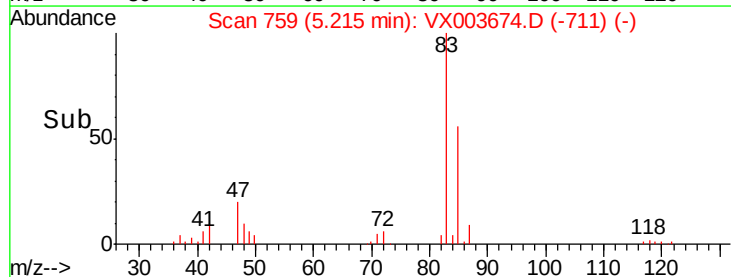
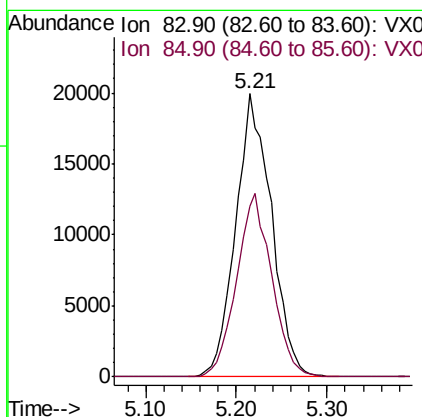
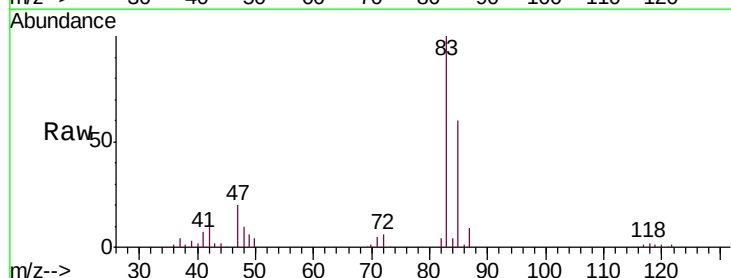
Manual Integrations
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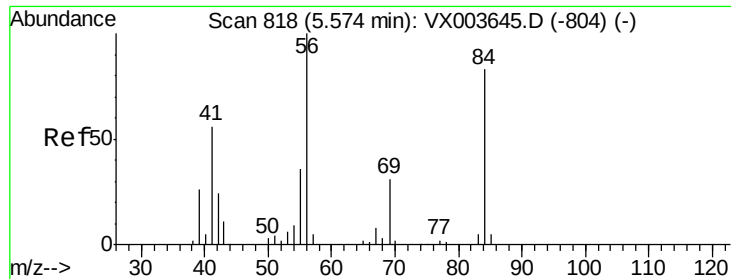
MMDadoda
7/27/2018 5:40:30 PM



#30
Chloroform
Concen: 21.29 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX003674.D
Acq: 26 Jul 2018 17:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.1	50.2	75.4





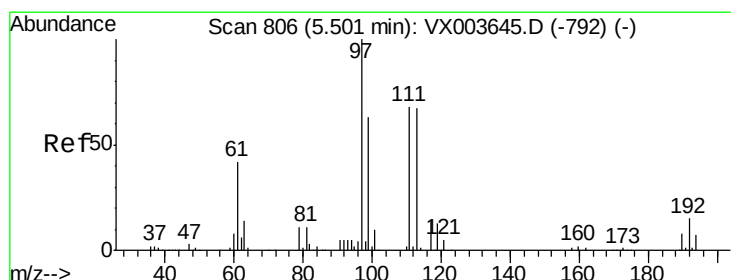
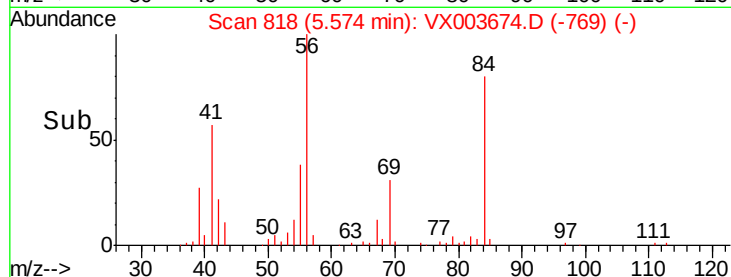
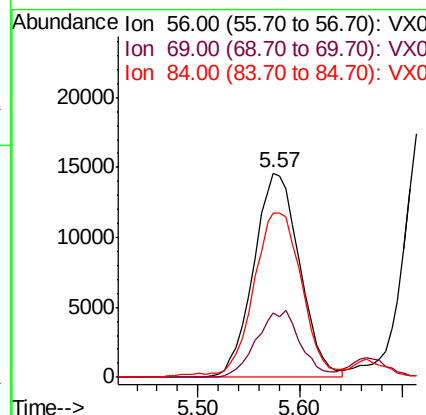
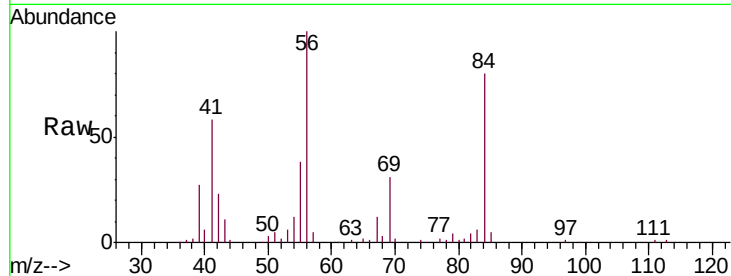
#31
Cyclohexane
Concen: 20.23 ug/l
RT: 5.57 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX003674.D
Acq: 26 Jul 2018 17:04

Instrument :
MSVOA_X
ClientSampleId :
VX0726WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.5	25.0	37.6
84	78.5	66.5	99.7

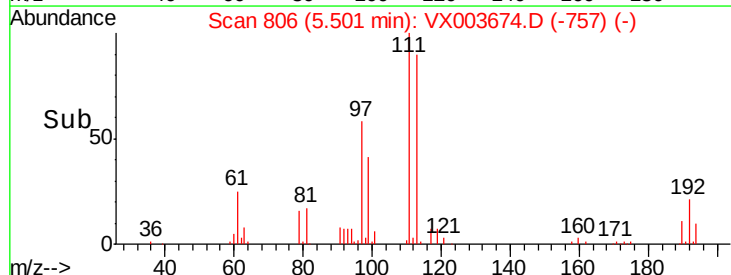
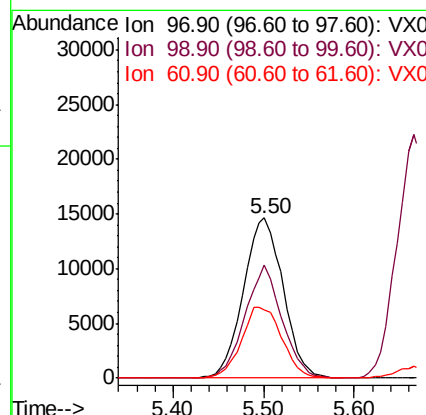
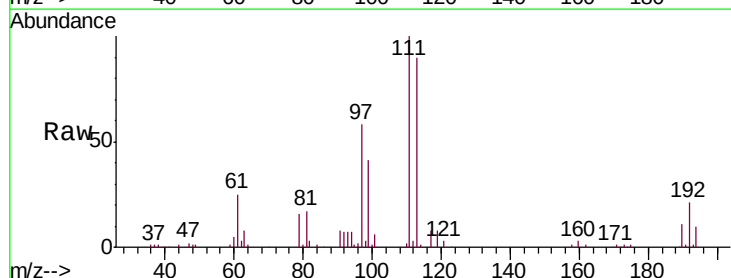
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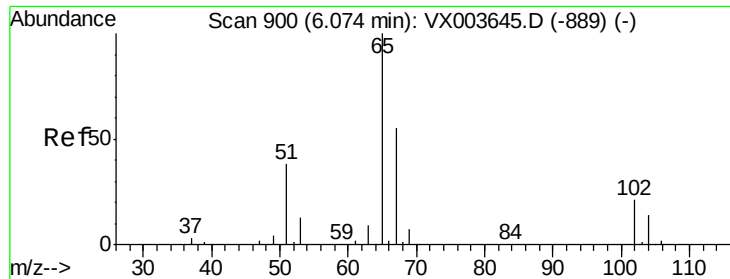
MMDadoda
7/27/2018 5:40:30 PM



#32
1,1,1-Trichloroethane
Concen: 20.93 ug/l
RT: 5.50 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX003674.D
Acq: 26 Jul 2018 17:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.6	50.4	75.6
61	45.3	34.5	51.7





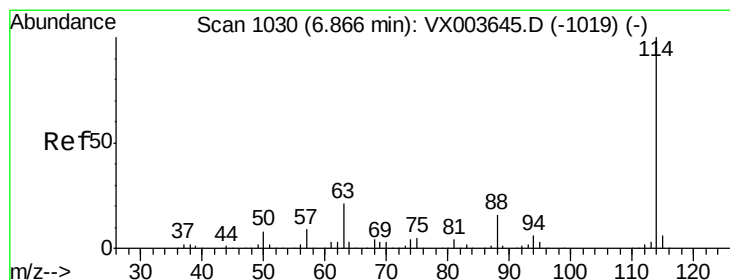
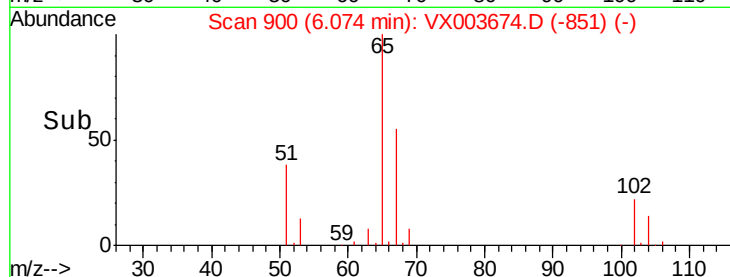
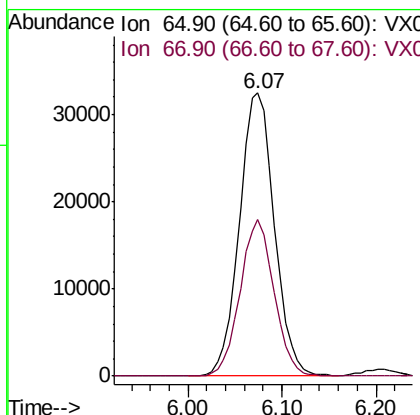
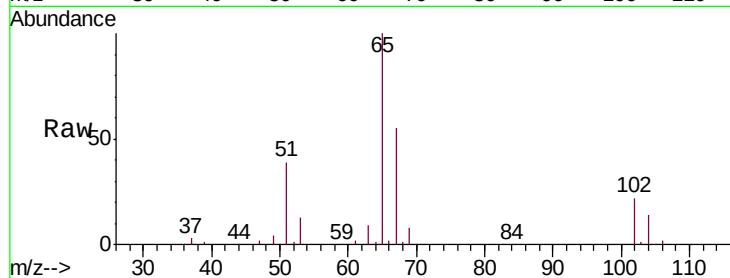
#33
 1,2-Dichloroethane-d4
 Concen: 50.31 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX003674.D
 Acq: 26 Jul 2018 17:04

Instrument :
 MSVOA_X
 ClientSampled :
 VX0726WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	107.8

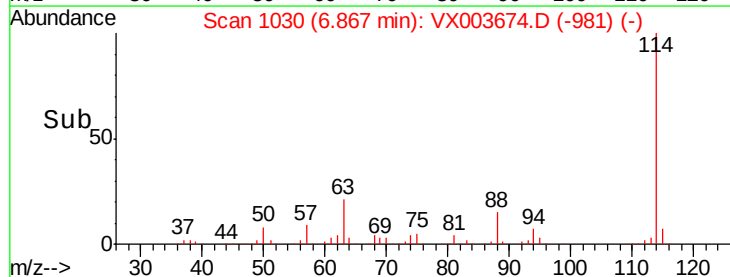
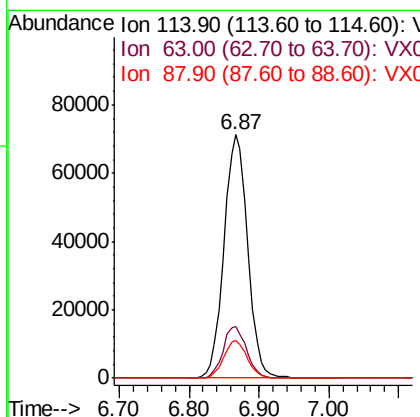
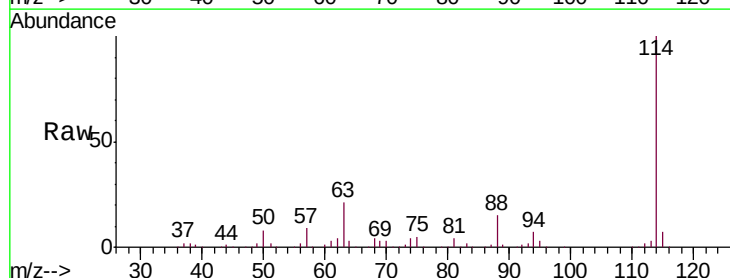
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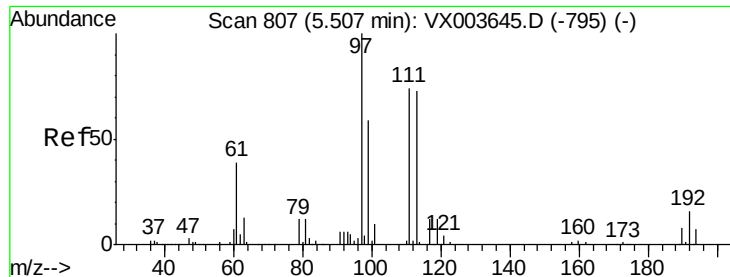
MMDadoda
 7/27/2018 5:40:30 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003674.D
 Acq: 26 Jul 2018 17:04

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	41.0
88	15.5	0.0	31.8





#35

Dibromofluoromethane

Concen: 51.07 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003674.D

Acq: 26 Jul 2018 17:04

Instrument :

MSVOA_X

ClientSampleId :

VX0726WBSD01

Tot Ion:113 Resp: 69768

Ion Ratio Lower Upper

113 100

111 101.6 81.2 121.8

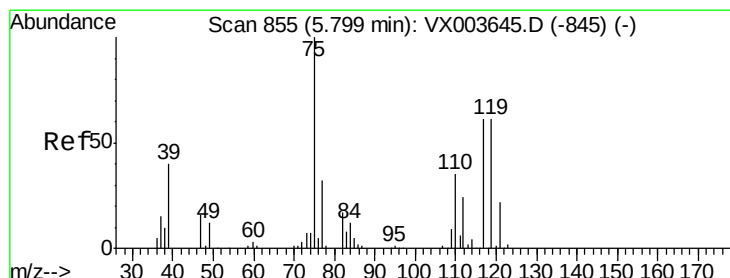
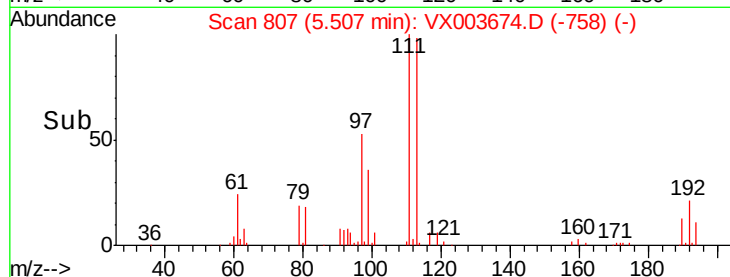
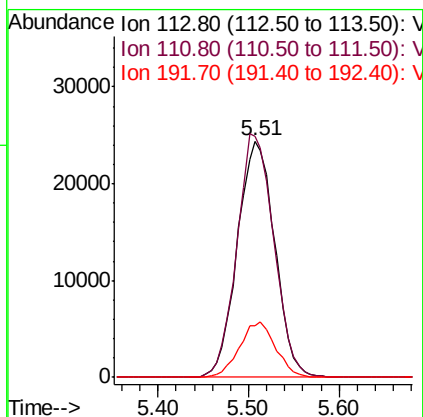
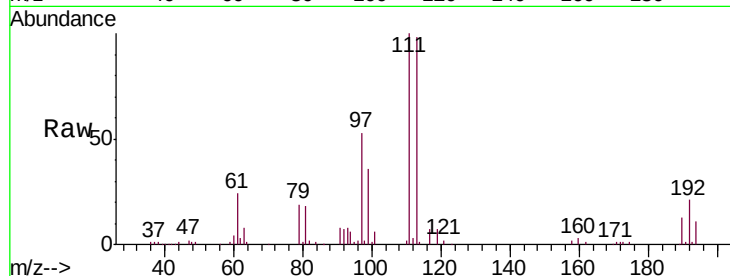
192 22.4 18.2 27.4

Manual Integrations

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#36

1,1-Dichloropropene

Concen: 20.15 ug/l

RT: 5.80 min Scan# 855

Delta R.T. 0.00 min

Lab File: VX003674.D

Acq: 26 Jul 2018 17:04

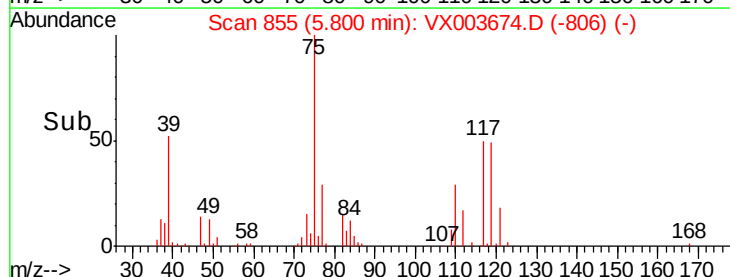
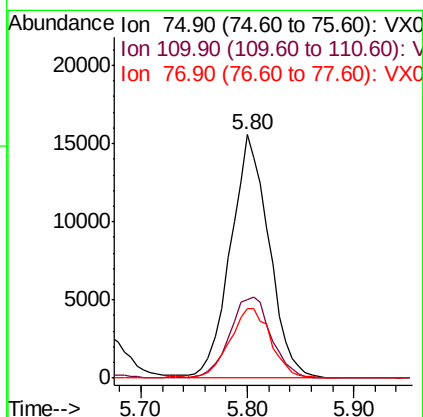
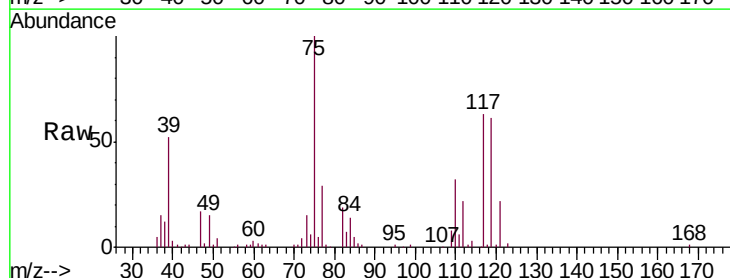
Tgt Ion: 75 Resp: 39364

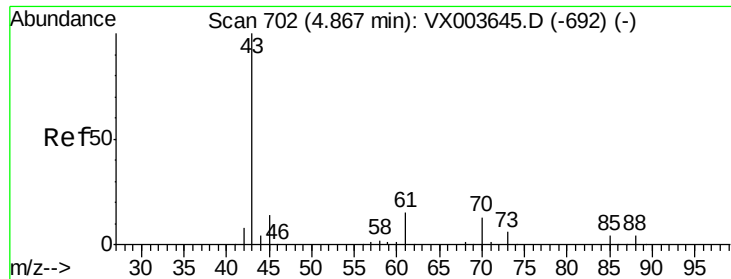
Ion Ratio Lower Upper

75 100

110 35.8 18.1 54.1

77 30.6 25.1 37.7





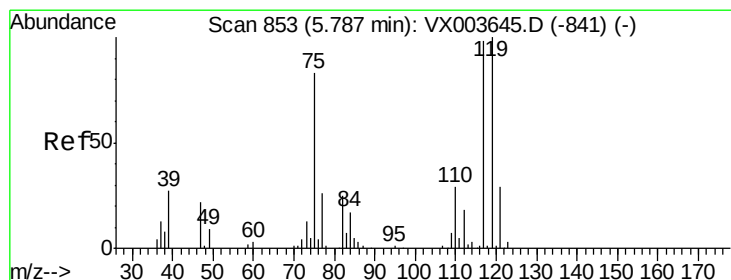
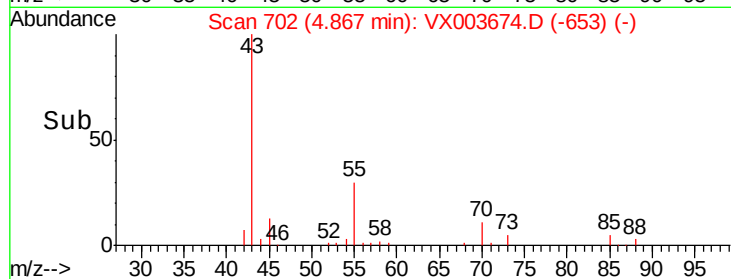
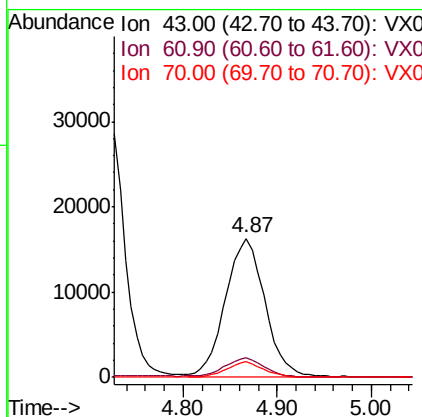
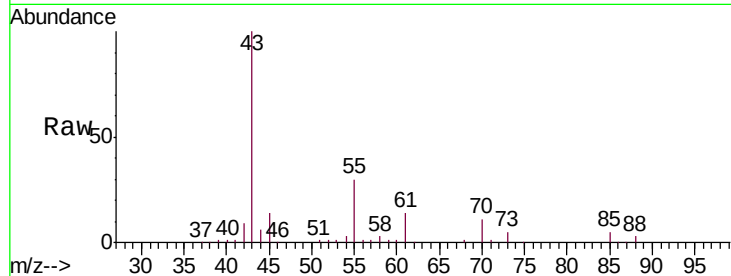
#37
Ethyl Acetate
Concen: 20.01 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.00 min
Lab File: VX003674.D
Acq: 26 Jul 2018 17:04

Instrument :
MSVOA_X
ClientSampled :
VX0726WBSD01

Tot Ion:	43	Resp:	47000
Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.9	17.9
70	10.3	8.6	12.8

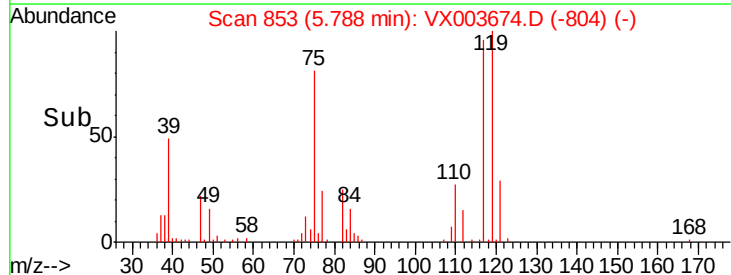
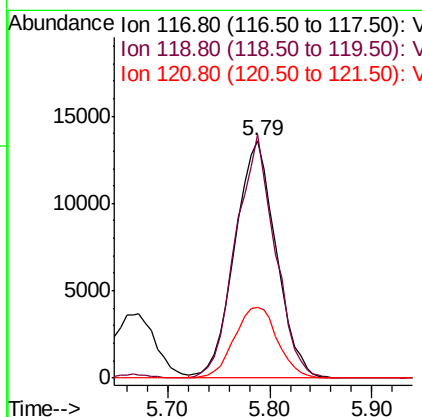
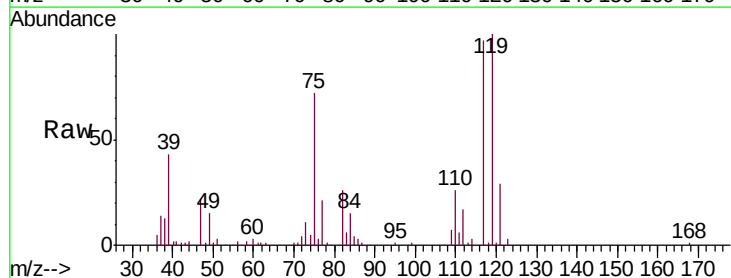
Manual Integrations
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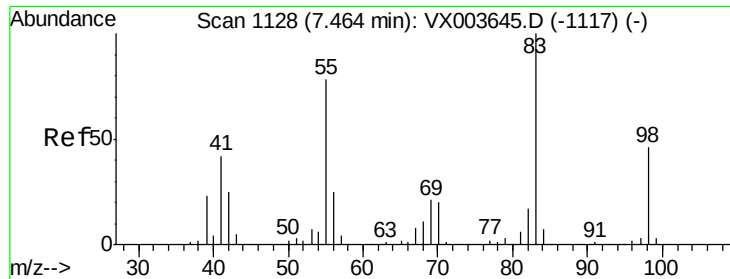
MMDadoda
7/27/2018 5:40:30 PM



#38
Carbon Tetrachloride
Concen: 20.29 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX003674.D
Acq: 26 Jul 2018 17:04

Tgt Ion:	117	Resp:	38194
Ion	Ratio	Lower	Upper
117	100		
119	102.6	81.0	121.4
121	29.8	23.7	35.5





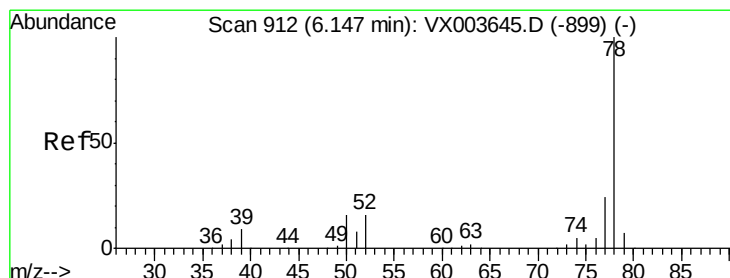
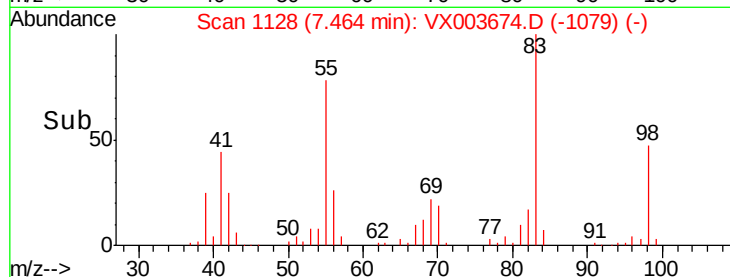
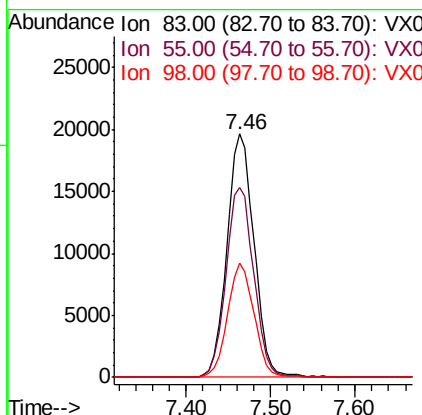
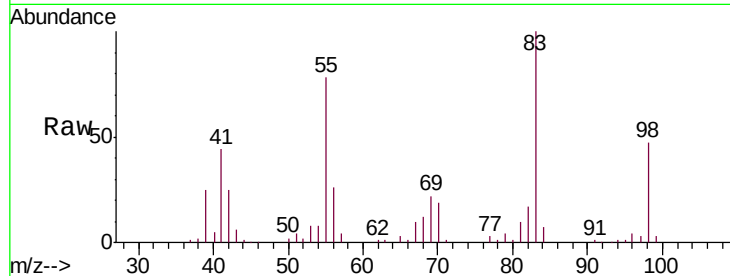
#39
Methylvlcyclohexane
Concen: 19.96 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003674.D
Acq: 26 Jul 2018 17:04

Instrument :
MSVOA_X
ClientSampleId :
VX0726WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.1	62.6	93.8
98	47.1	36.6	55.0

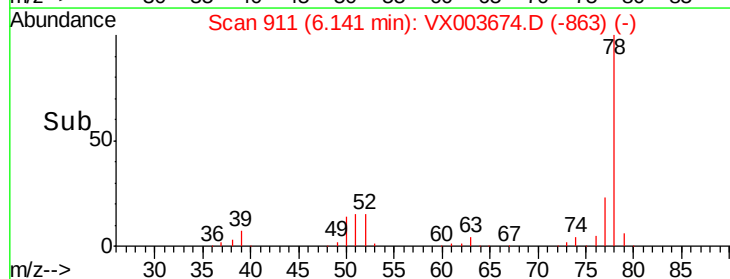
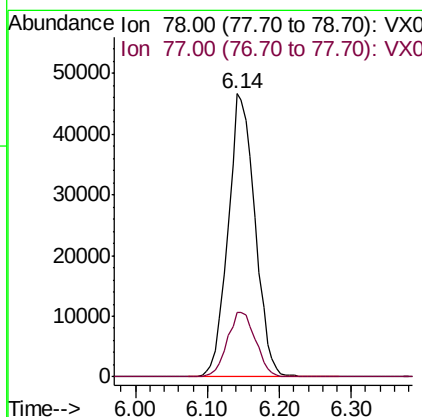
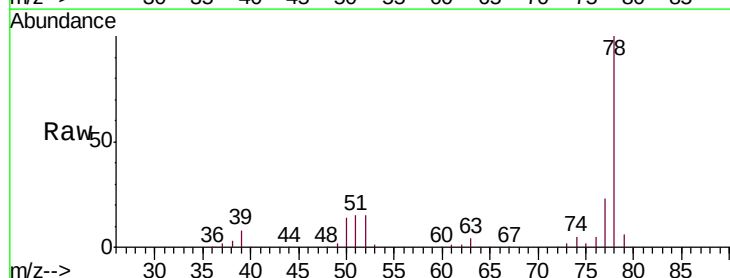
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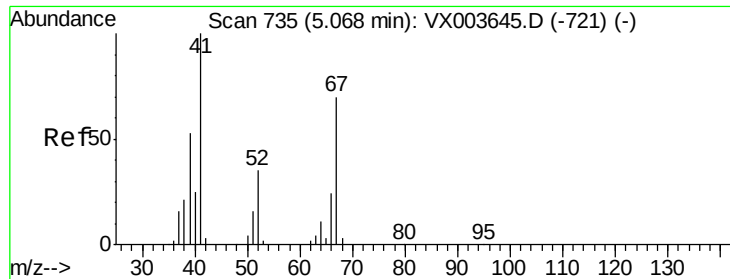
MMDadoda
7/27/2018 5:40:30 PM



#40
Benzene
Concen: 20.95 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.01 min
Lab File: VX003674.D
Acq: 26 Jul 2018 17:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.0	28.6





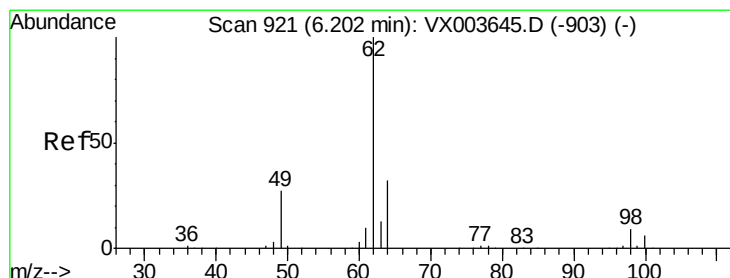
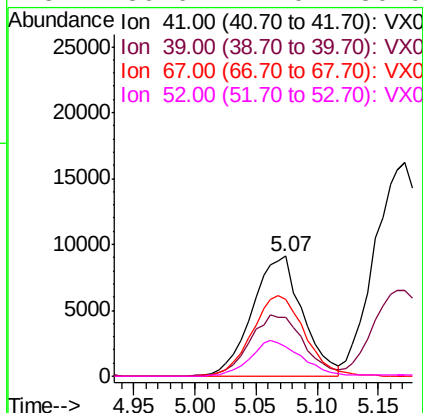
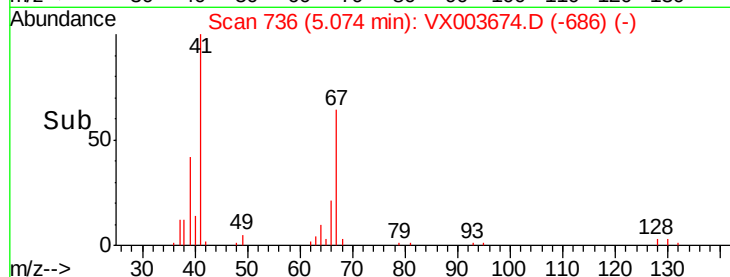
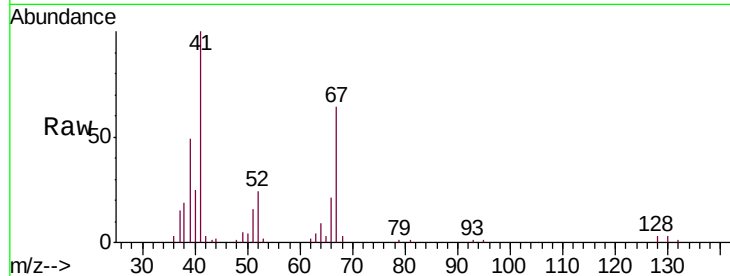
#41
Methacrylonitrile
Concen: 20.09 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.01 min
Lab File: VX003674.D
Acq: 26 Jul 2018 17:04

Instrument :
MSVOA_X
ClientSampleId :
VX0726WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
26130	41	100		
	39	54.9	42.2	63.4
	67	70.0	56.6	84.8
	52	30.6	24.0	36.0

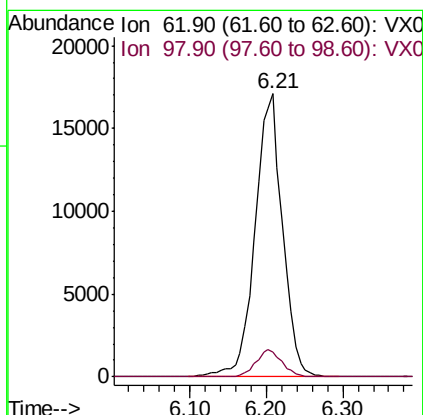
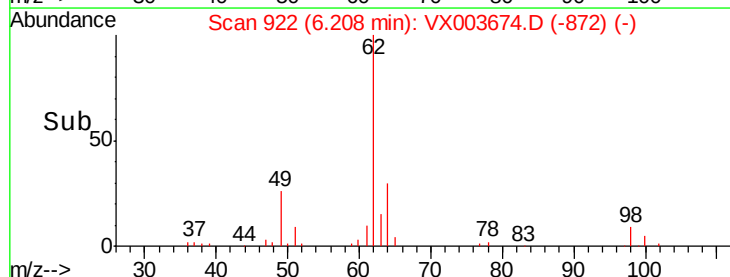
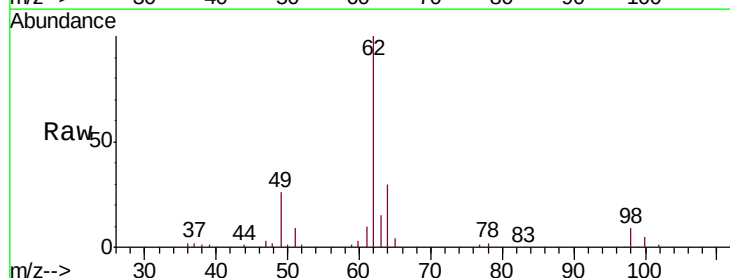
Manual Integrations
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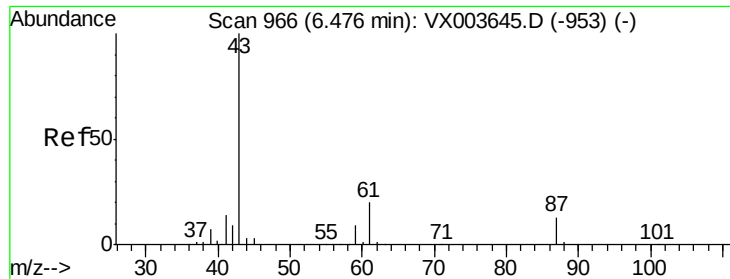
MMDadoda
7/27/2018 5:40:30 PM



#42
1,2-Dichloroethane
Concen: 21.05 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.01 min
Lab File: VX003674.D
Acq: 26 Jul 2018 17:04

Tgt Ion	Ion	Ratio	Lower	Upper
42830	62	100		
	98	9.1	0.0	18.4





#43

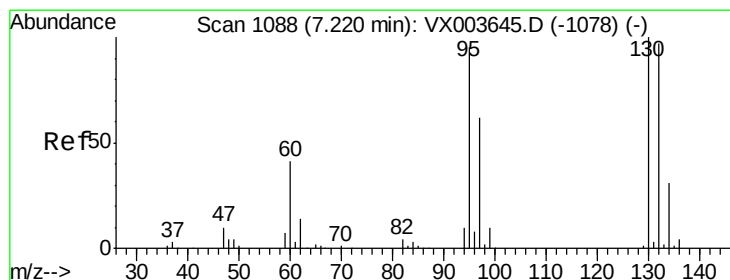
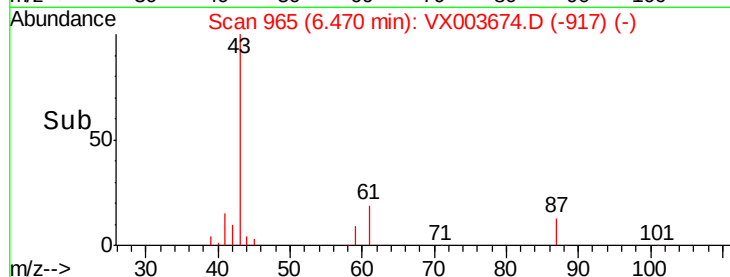
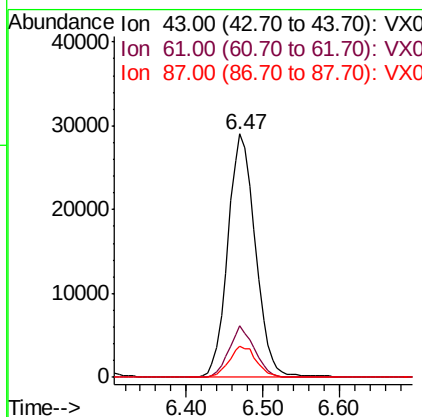
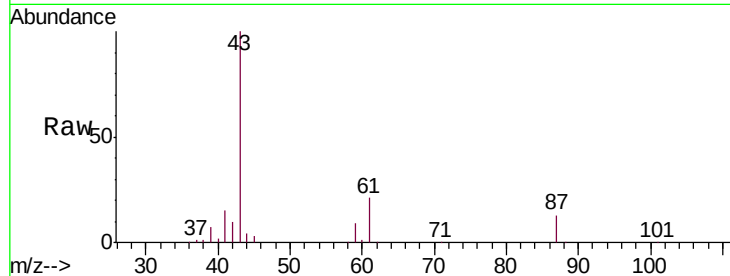
Isopropyl Acetate
 Concen: 21.10 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.01 min
 Lab File: VX003674.D
 Acq: 26 Jul 2018 17:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0726WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.9	23.9
87	12.6	10.1	15.1

Manual Integrations
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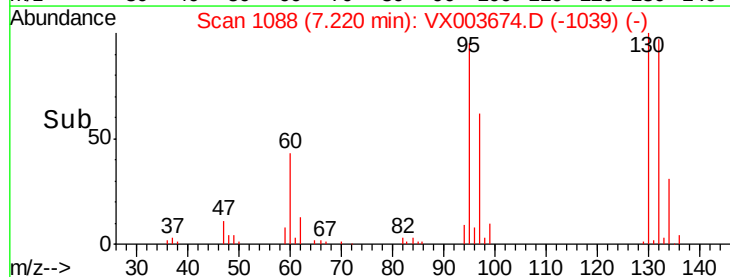
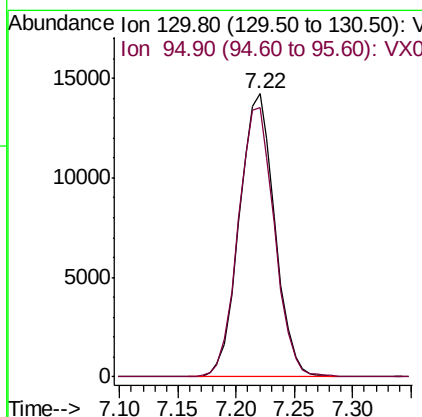
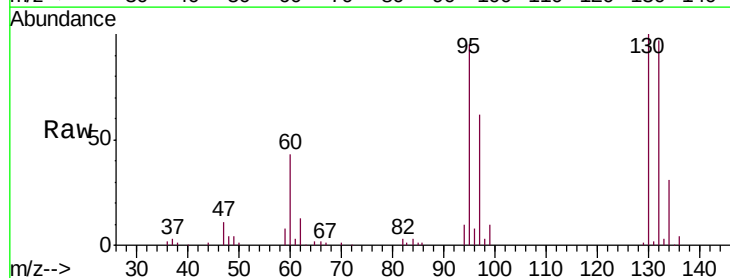
MMDadoda
 7/27/2018 5:40:30 PM

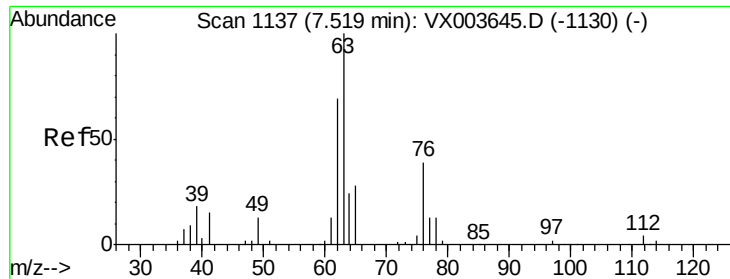


#44

Trichloroethene
 Concen: 19.39 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX003674.D
 Acq: 26 Jul 2018 17:04

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.2	0.0	190.0





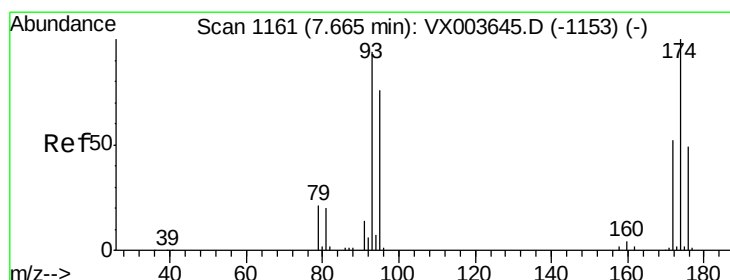
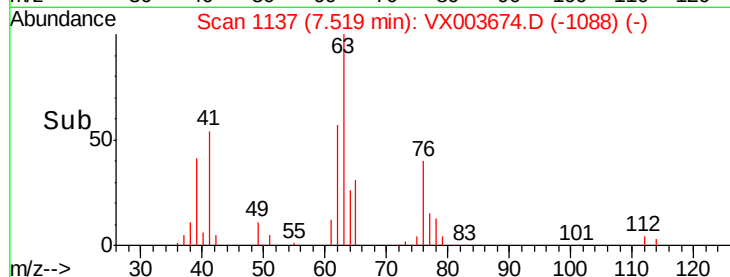
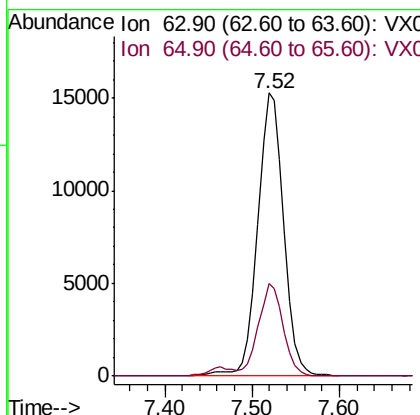
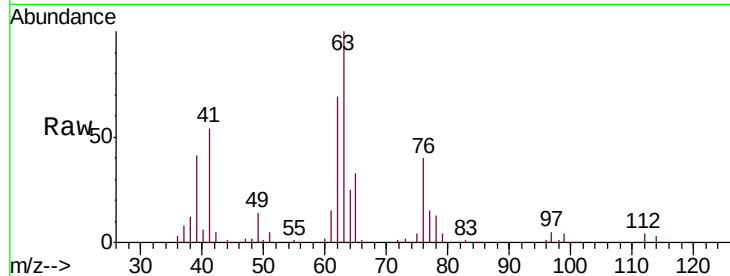
#45
 1,2-Dichloropropane
 Concen: 21.14 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003674.D
 Acq: 26 Jul 2018 17:04

Instrument :
 MSVOA_X
 ClientSampled :
 VX0726WBSD01

Tot Ion: 63 Resp: 31593
 Ion Ratio Lower Upper
 63 100
 65 32.7 24.0 36.0

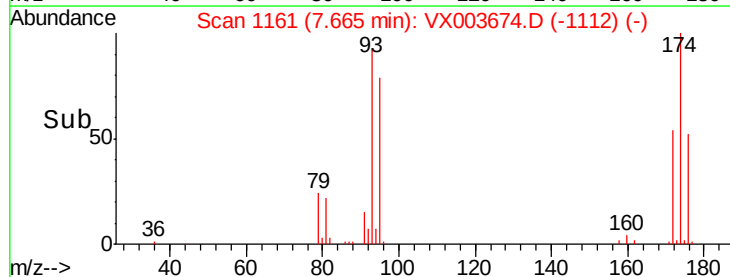
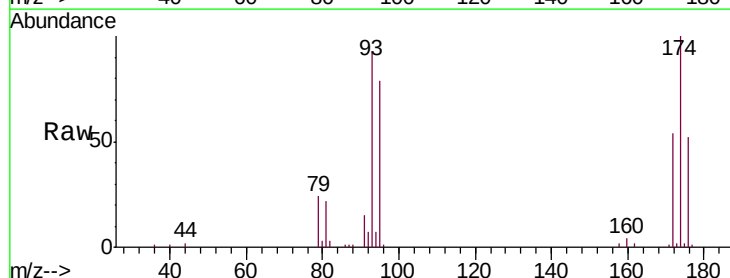
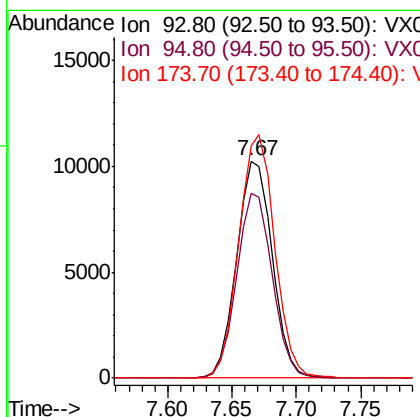
Manual Integrations
 APPROVED

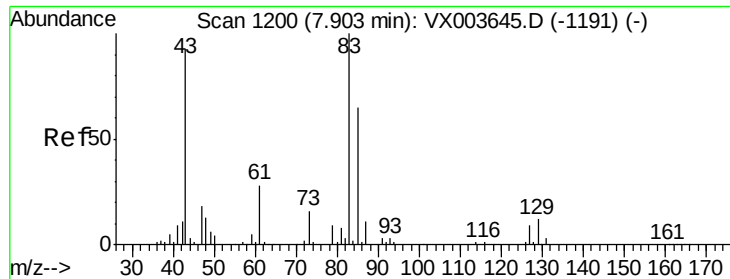
MMDadoda
 7/27/2018 5:40:30 PM



#46
 Dibromomethane
 Concen: 20.46 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003674.D
 Acq: 26 Jul 2018 17:04

Tgt Ion: 93 Resp: 19639
 Ion Ratio Lower Upper
 93 100
 95 84.7 67.0 100.6
 174 112.8 89.6 134.4





#47

Bromodichloromethane

Concen: 20.47 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003674.D

Acq: 26 Jul 2018 17:04

Instrument :

MSVOA_X

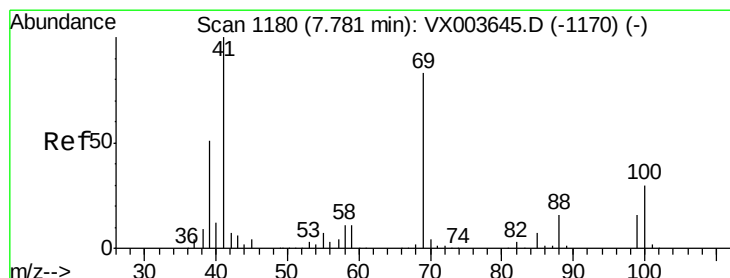
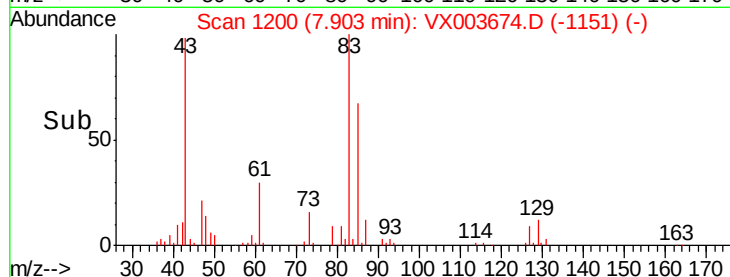
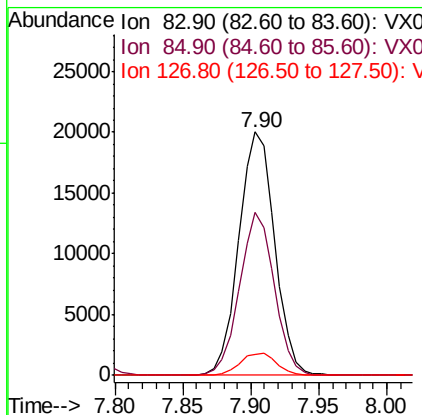
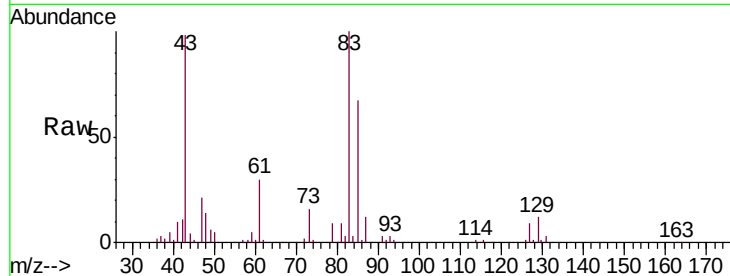
ClientSampleId :

VX0726WBSD01

Tot Ion:	83	Resp:	36841
Ion	Ratio	Lower	Upper
83	100		
85	66.8	51.8	77.6
127	8.8	7.0	10.6

Manual Integrations
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7/27/2018 5:40:30 PM



#48

Methyl methacrylate

Concen: 20.87 ug/l

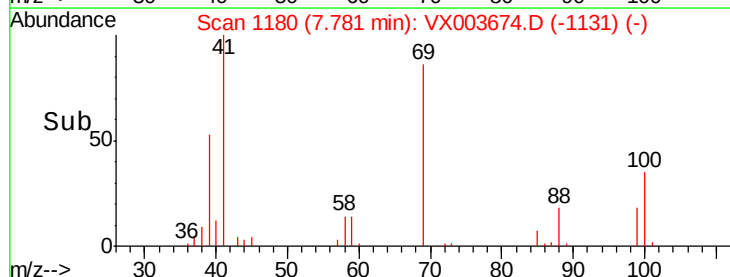
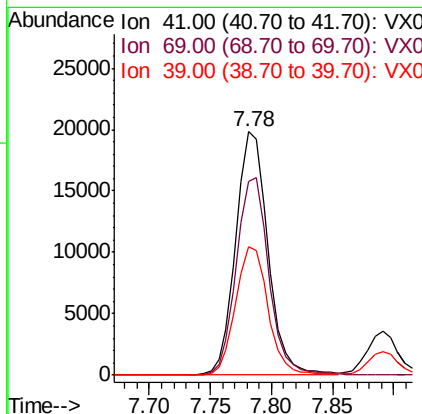
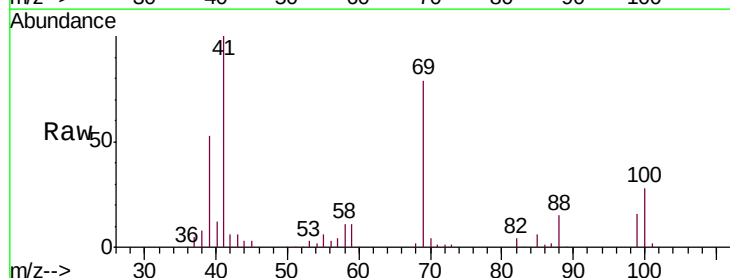
RT: 7.78 min Scan# 1180

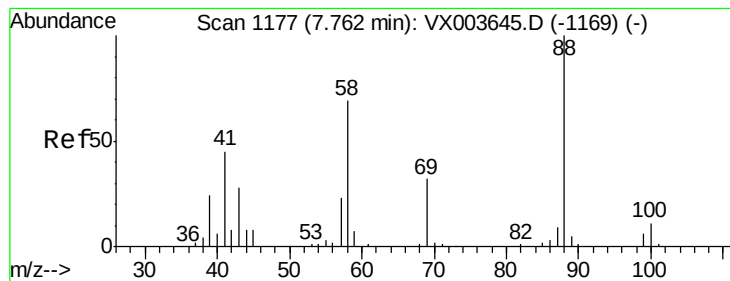
Delta R.T. 0.00 min

Lab File: VX003674.D

Acq: 26 Jul 2018 17:04

Tgt Ion:	41	Resp:	36294
Ion	Ratio	Lower	Upper
41	100		
69	82.0	66.9	100.3
39	53.3	41.2	61.8





#49

1,4-Dioxane

Concen: 415.88 ug/l

RT: 7.76 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VX003674.D

Acq: 26 Jul 2018 17:04

Instrument :

MSVOA_X

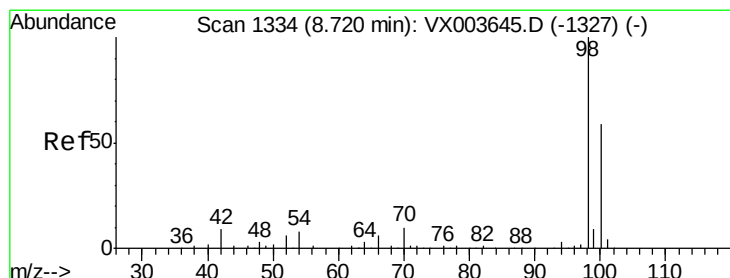
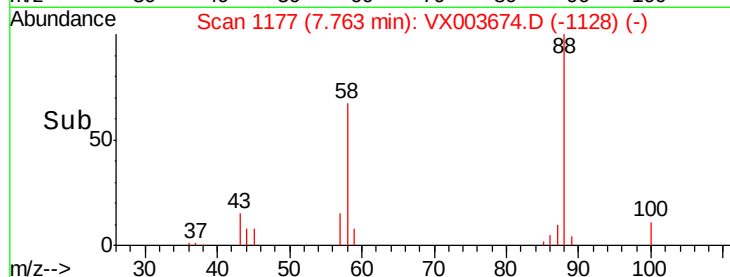
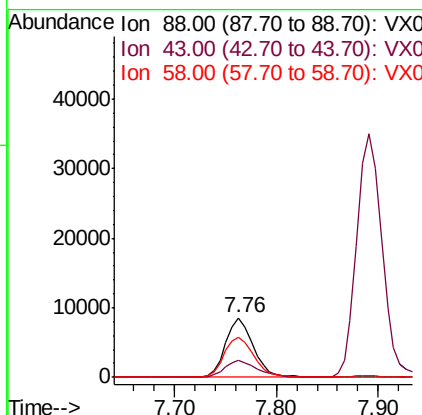
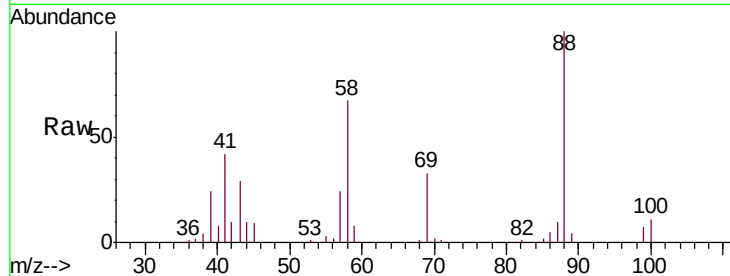
ClientSampleId :

VX0726WBSD01

Tot Ion:	88	Resp:	16134
Ion	Ratio	Lower	Upper
88	100		
43	33.8	25.8	38.6
58	72.4	58.3	87.5

Manual Integrations
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7/27/2018 5:40:30 PM



#50

Toluene-d8

Concen: 50.71 ug/l

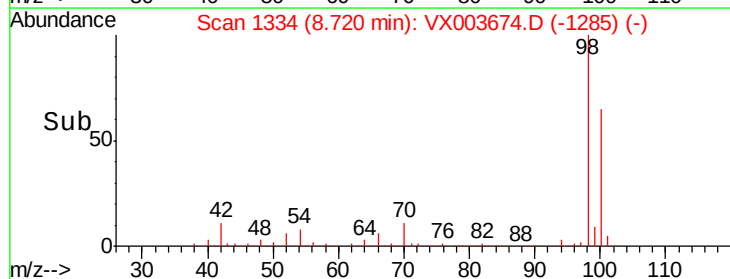
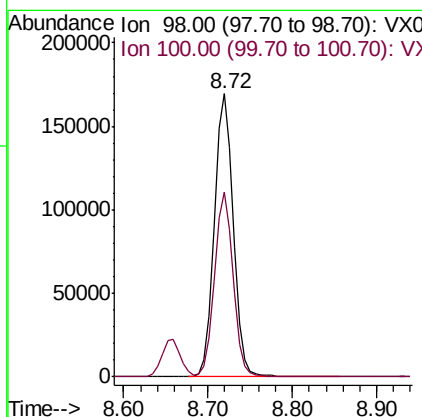
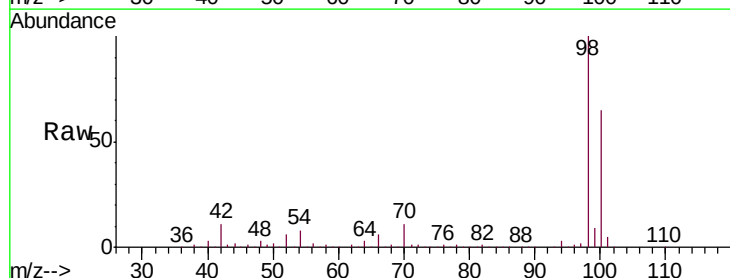
RT: 8.72 min Scan# 1334

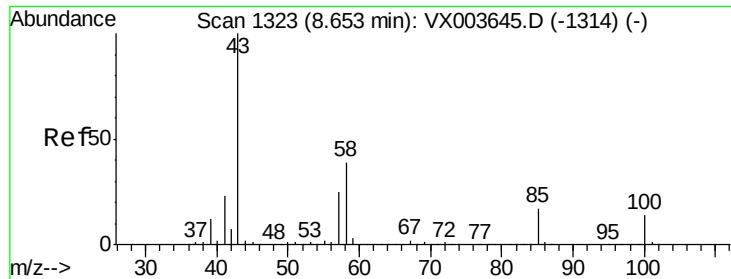
Delta R.T. 0.00 min

Lab File: VX003674.D

Acq: 26 Jul 2018 17:04

Tgt Ion:	98	Resp:	264420
Ion	Ratio	Lower	Upper
98	100		
100	64.3	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 106.07 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX003674.D

Acq: 26 Jul 2018 17:04

Instrument :

MSVOA_X

ClientSampled :

VX0726WBSD01

Tot Ion: 43 Resp: 245255

Ion Ratio Lower Upper

43 100

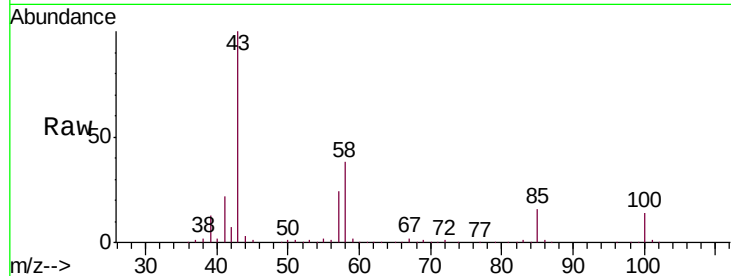
58 38.1 31.5 47.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

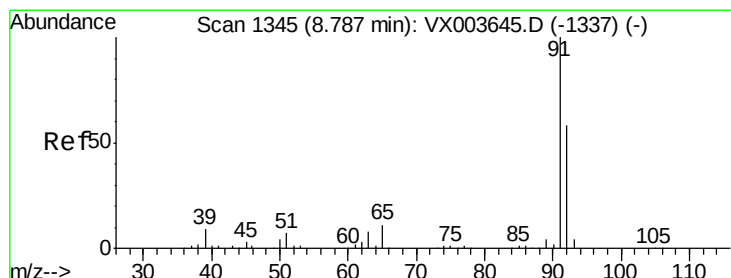
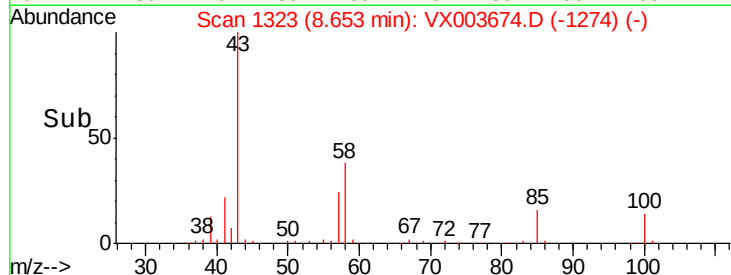
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.54 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003674.D

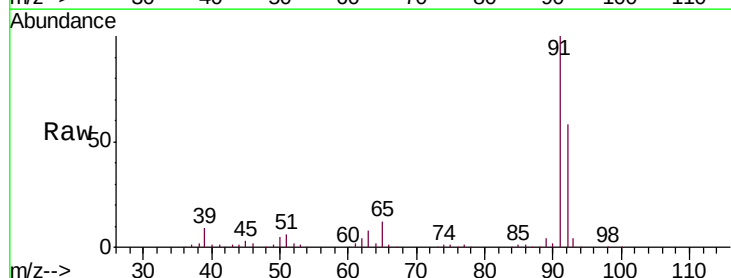
Acq: 26 Jul 2018 17:04

Tgt Ion: 92 Resp: 73817

Ion Ratio Lower Upper

92 100

91 174.2 139.0 208.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

100000

80000

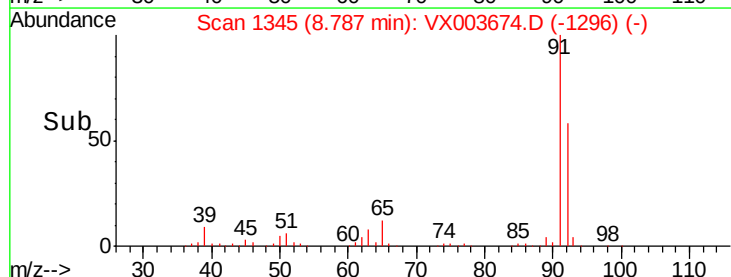
60000

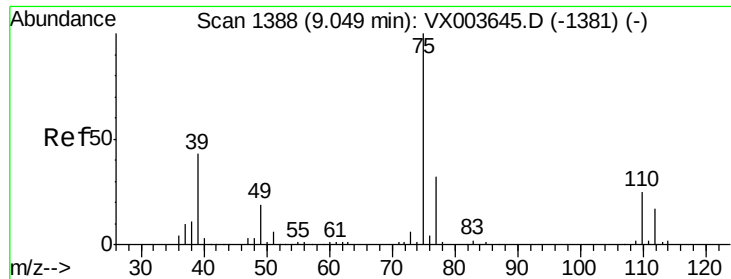
40000

20000

0

Time-->





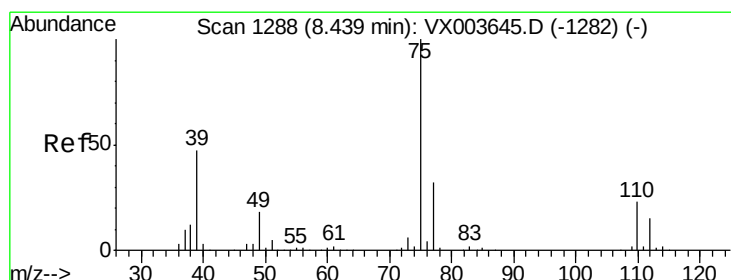
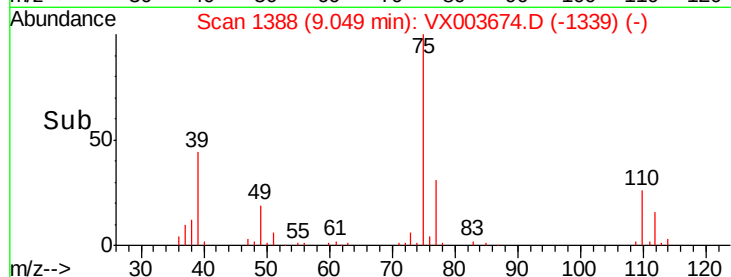
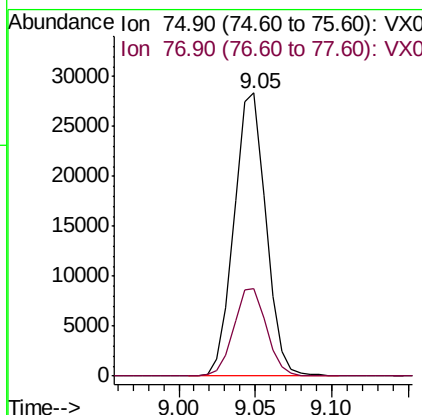
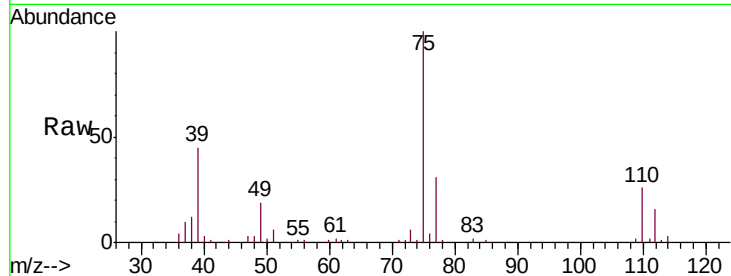
#53
 t-1,3-Dichloropropene
 Concen: 20.58 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VX003674.D
 Acq: 26 Jul 2018 17:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0726WBSD01

Tot Ion: 75 Resp: 41002
 Ion Ratio Lower Upper
 75 100
 77 30.8 25.8 38.6

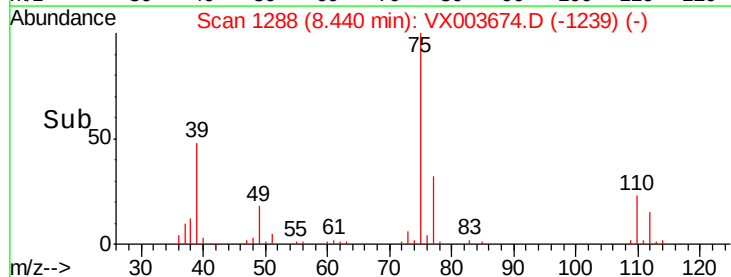
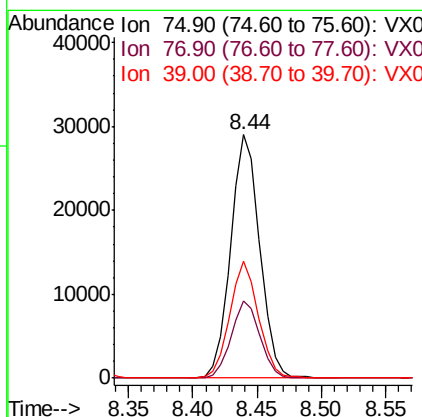
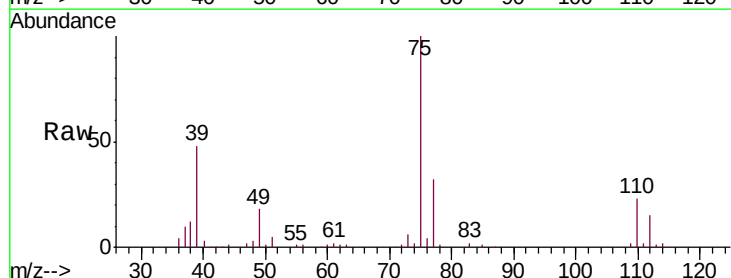
Manual Integrations
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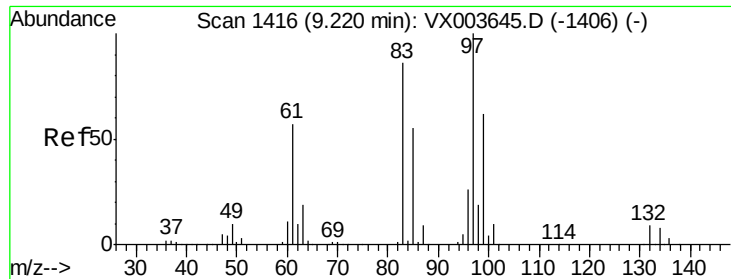
MMDadoda
 7/27/2018 5:40:30 PM



#54
 cis-1,3-Dichloropropene
 Concen: 20.82 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: VX003674.D
 Acq: 26 Jul 2018 17:04

Tgt Ion: 75 Resp: 45648
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.2 37.8
 39 48.3 38.0 57.0





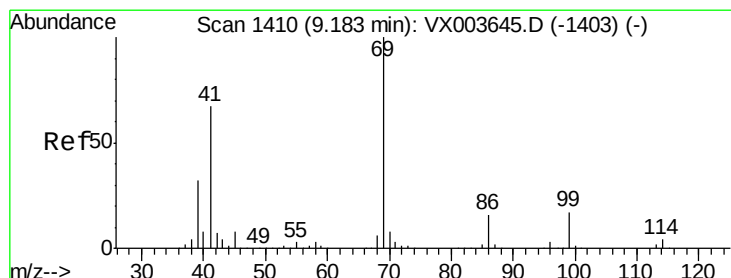
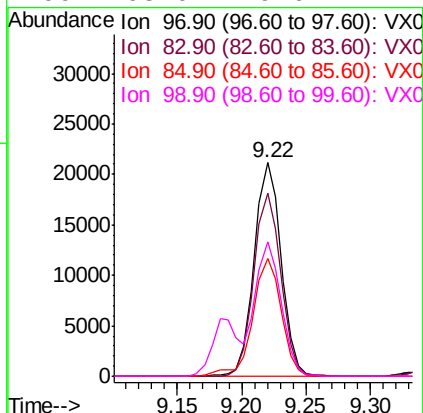
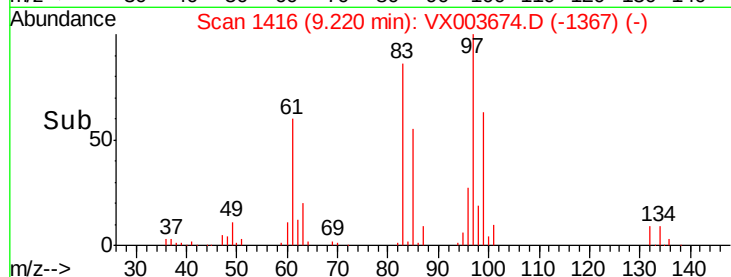
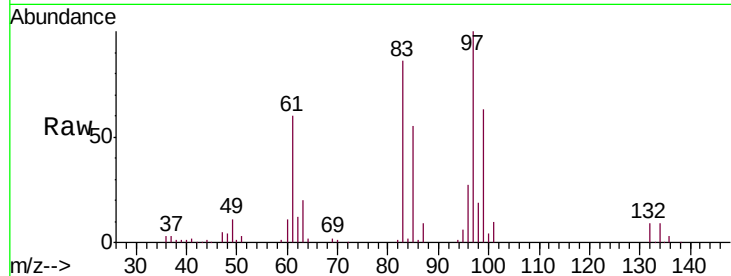
#55
 1,1,2-Trichloroethane
 Concen: 20.75 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003674.D
 Acq: 26 Jul 2018 17:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0726WBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.9	68.7	103.1
85	55.4	43.7	65.5
99	63.0	49.6	74.4

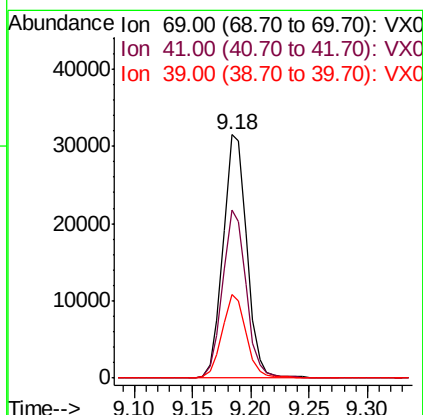
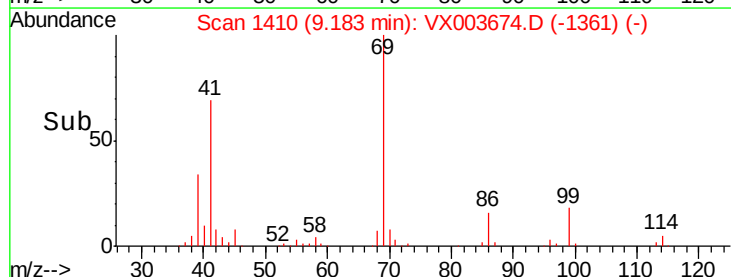
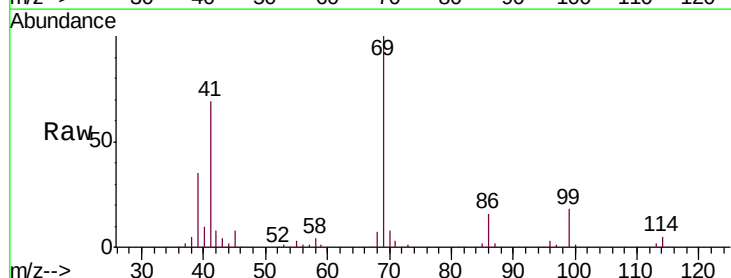
Manual Integrations
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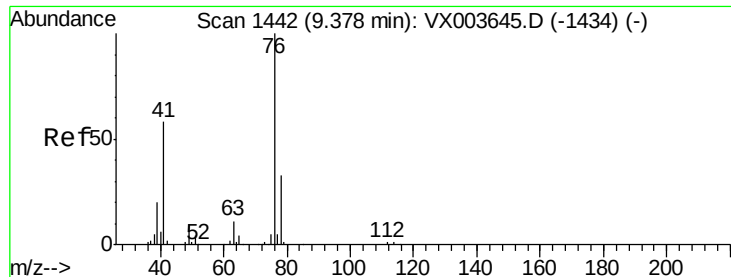
MMDadoda
 7/27/2018 5:40:30 PM



#56
 Ethyl methacrylate
 Concen: 20.35 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003674.D
 Acq: 26 Jul 2018 17:04

Tgt Ion	Ratio	Lower	Upper
69	100		
41	68.8	53.8	80.6
39	35.1	25.8	38.8





#57

1,3-Dichloropropane

Concen: 20.85 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX003674.D

Acq: 26 Jul 2018 17:04

Instrument :

MSVOA_X

ClientSampleId :

VX0726WBSD01

Tot Ion: 76 Resp: 51411

Ion Ratio Lower Upper

76 100

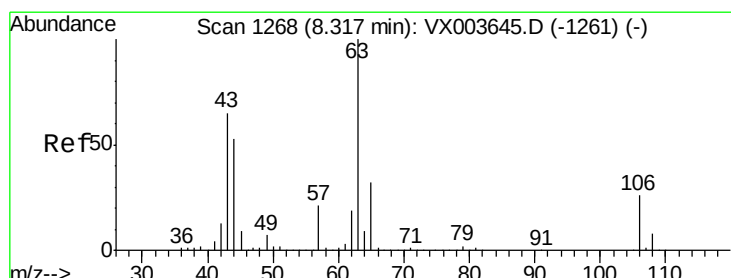
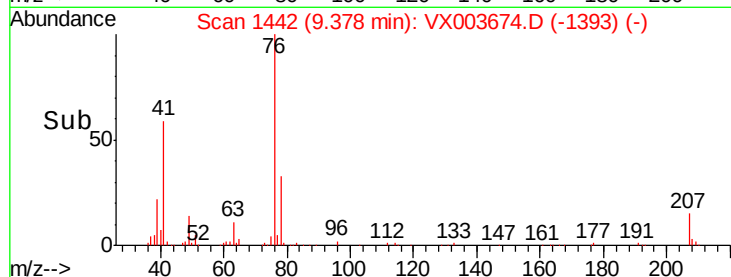
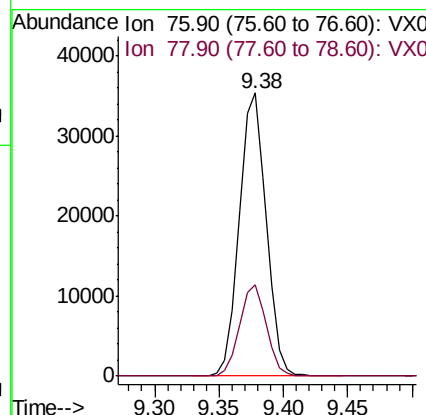
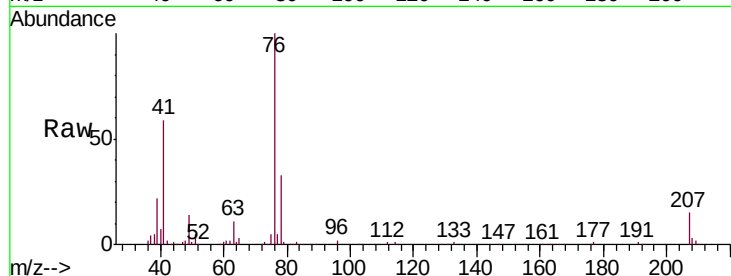
78 32.2 25.6 38.4

Manual Integrations

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MMDadoda

7/27/2018 5:40:30 PM



#58

2-Chloroethyl Vinyl ether

Concen: 105.25 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VX003674.D

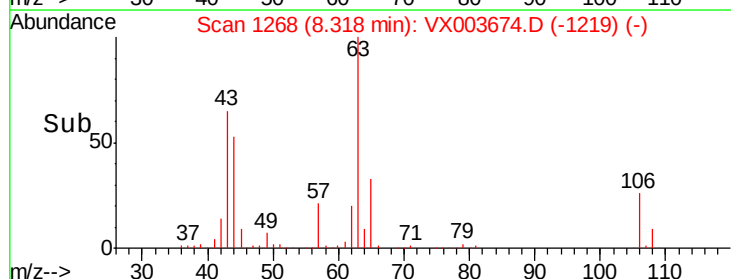
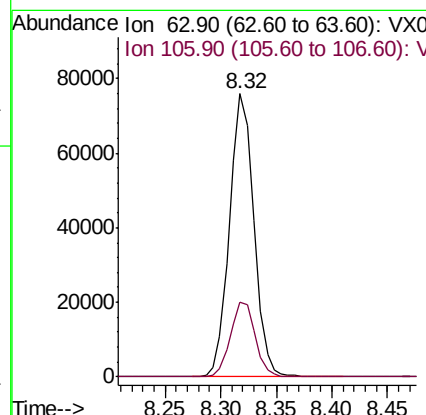
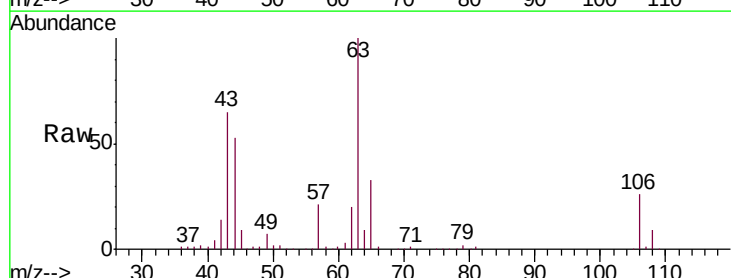
Acq: 26 Jul 2018 17:04

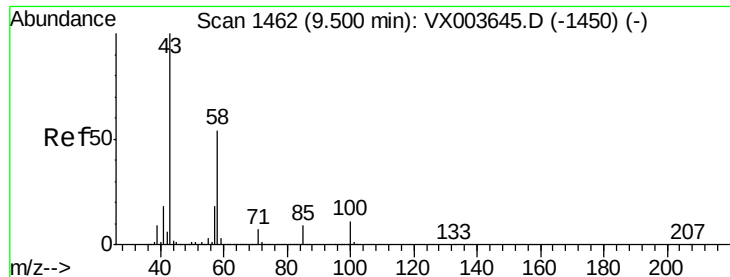
Tgt Ion: 63 Resp: 115608

Ion Ratio Lower Upper

63 100

106 26.8 21.5 32.3





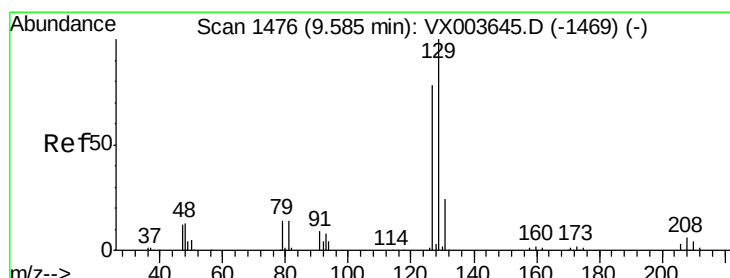
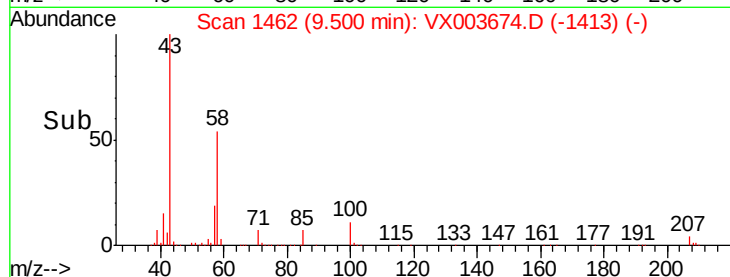
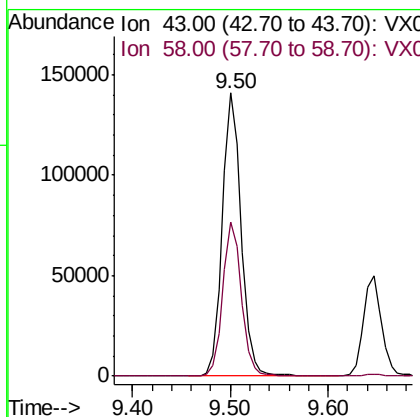
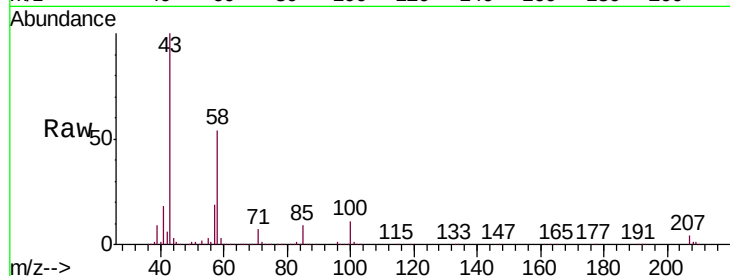
#59
2-Hexanone
Concen: 106.29 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003674.D
Acq: 26 Jul 2018 17:04

Instrument :
MSVOA_X
ClientSampleId :
VX0726WBSD01

Tot Ion: 43 Resp: 188516
Ion Ratio Lower Upper
43 100
58 54.0 27.3 81.9

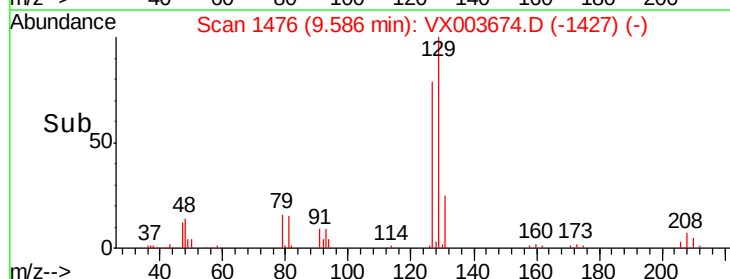
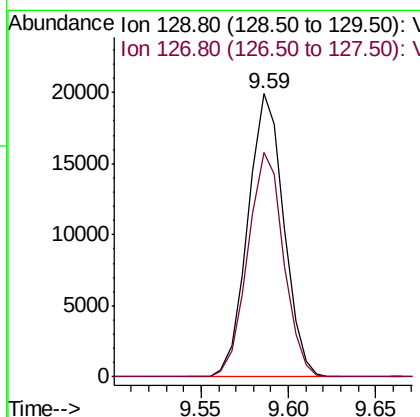
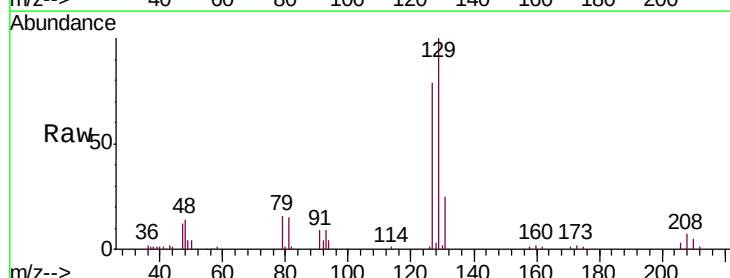
Manual Integrations
APPROVED

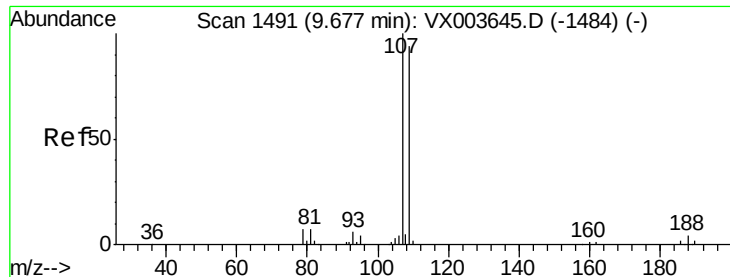
MMDadoda
7/27/2018 5:40:30 PM



#60
Dibromochloromethane
Concen: 20.40 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003674.D
Acq: 26 Jul 2018 17:04

Tgt Ion: 129 Resp: 28424
Ion Ratio Lower Upper
129 100
127 79.0 38.7 116.1





#61

1,2-Dibromoethane

Concen: 20.72 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003674.D

Acq: 26 Jul 2018 17:04

Instrument :

MSVOA_X

ClientSampleId :

VX0726WBSD01

Tot Ion:107 Resp: 31694

Ion Ratio Lower Upper

107 100

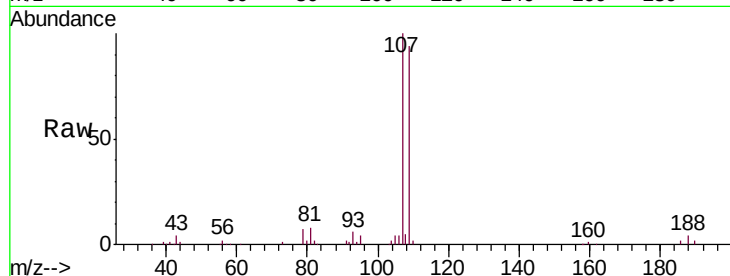
109 92.5 75.4 113.2

Manual Integrations

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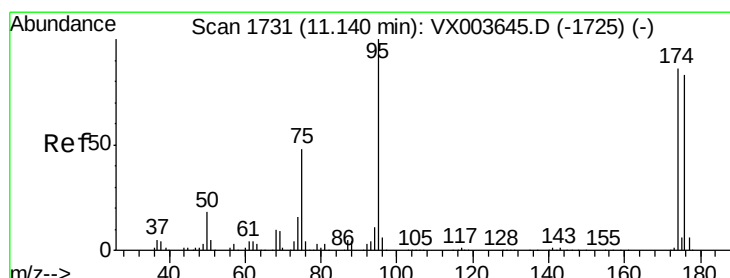
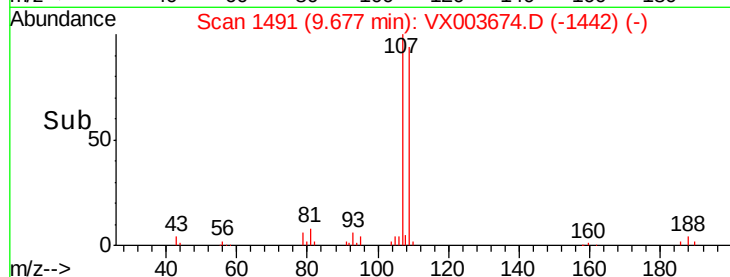
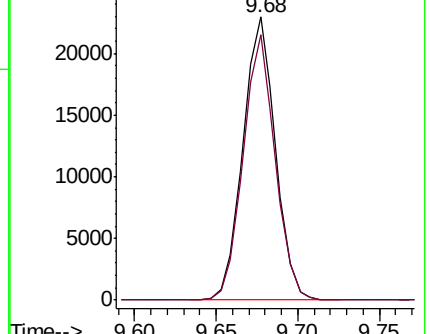
MMDadoda

7/27/2018 5:40:30 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.32 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003674.D

Acq: 26 Jul 2018 17:04

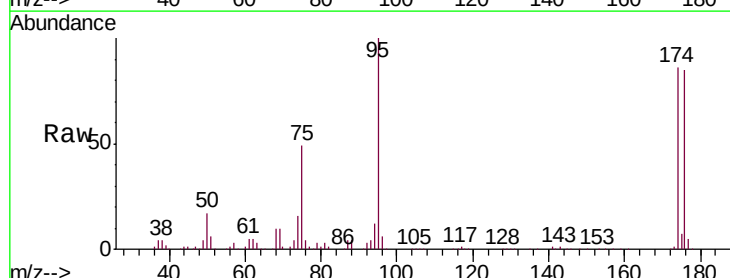
Tgt Ion: 95 Resp: 95695

Ion Ratio Lower Upper

95 100

174 88.5 0.0 179.0

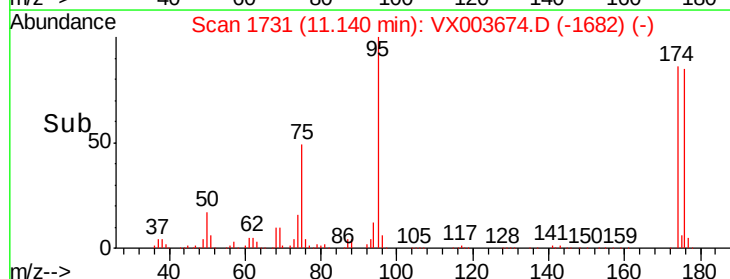
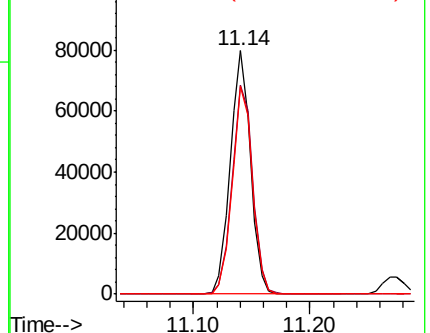
176 85.8 0.0 173.0

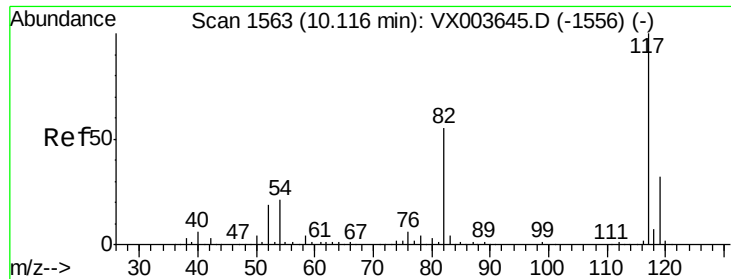


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX003674.D

Acq: 26 Jul 2018 17:04

Instrument :

MSVOA_X

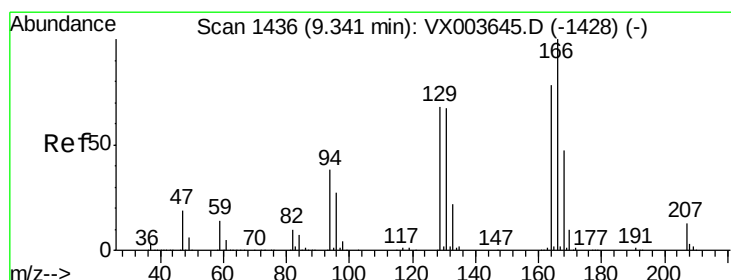
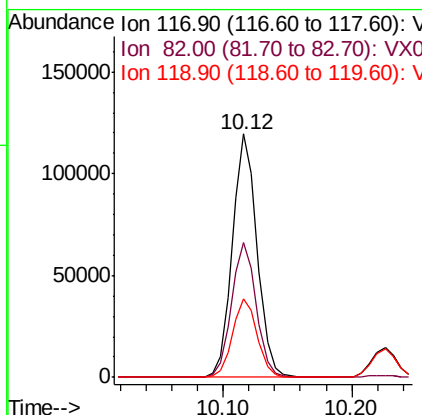
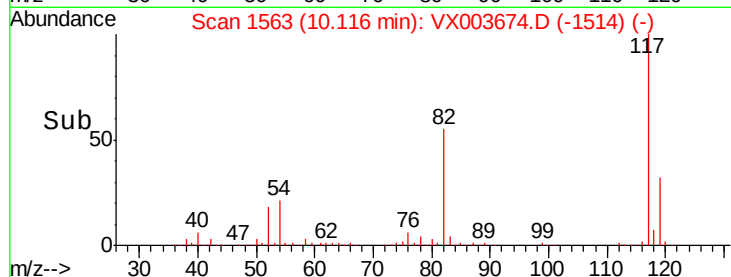
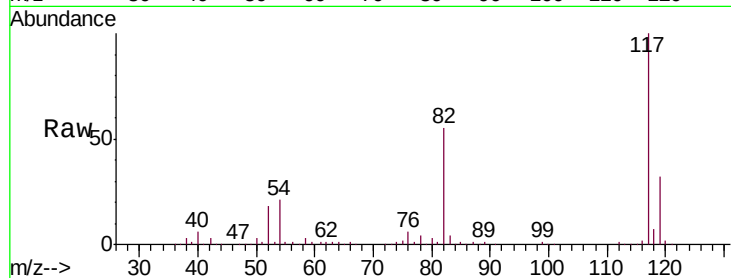
ClientSampleId :

VX0726WBSD01

Tot Ion:	117	Resp:	159253
Ion Ratio	Lower	Upper	
117	100		
82	55.2	44.3	66.5
119	32.3	25.6	38.4

Manual Integrations
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#64

Tetrachloroethene

Concen: 19.03 ug/l

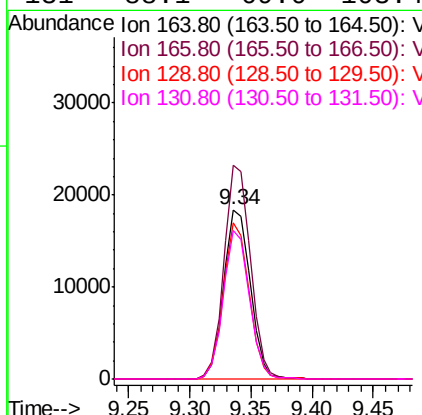
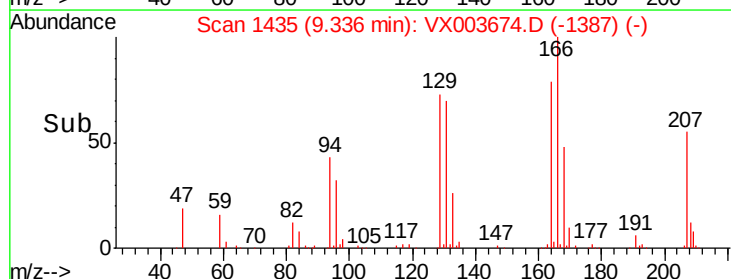
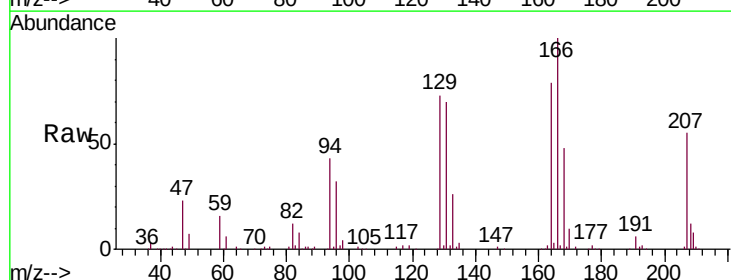
RT: 9.34 min Scan# 1435

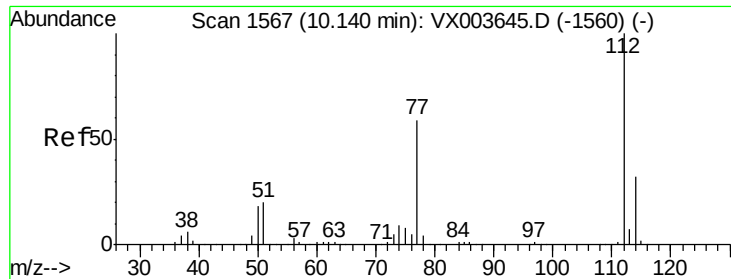
Delta R.T. -0.01 min

Lab File: VX003674.D

Acq: 26 Jul 2018 17:04

Tgt Ion:	164	Resp:	27702
Ion Ratio	Lower	Upper	
164	100		
166	126.4	102.4	153.6
129	92.5	69.6	104.4
131	88.1	69.0	103.4





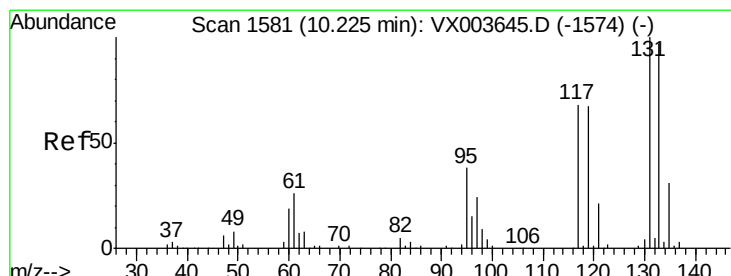
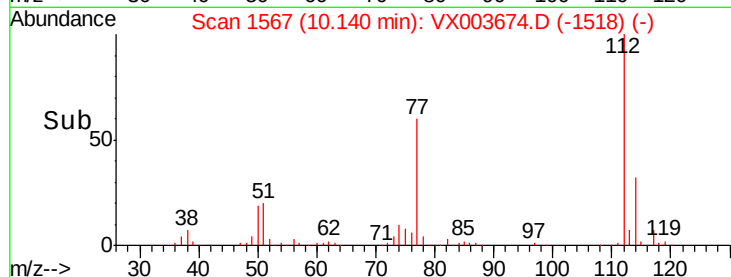
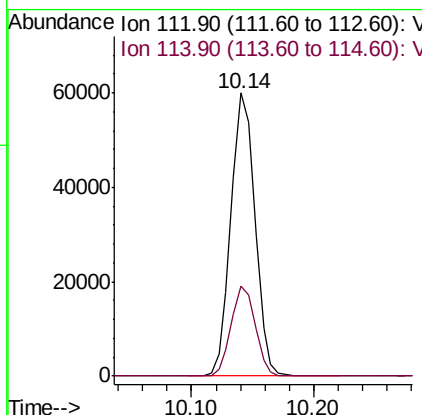
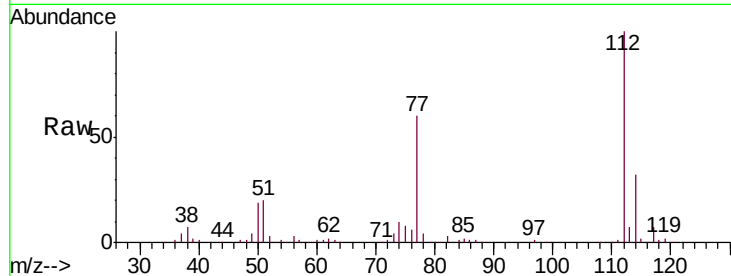
#65
Chlorobenzene
Concen: 20.38 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003674.D
Acq: 26 Jul 2018 17:04

Instrument :
MSVOA_X
ClientSampled :
VX0726WBSD01

Tot Ion:112 Resp: 81681
Ion Ratio Lower Upper
112 100
114 32.0 25.8 38.8

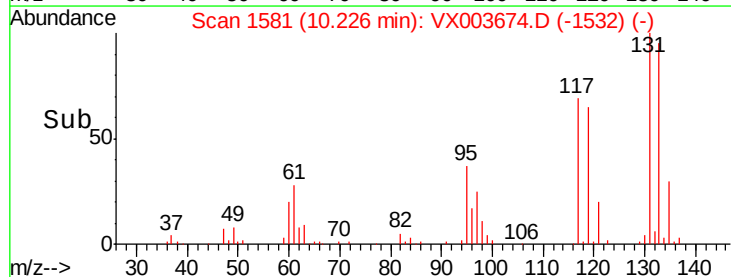
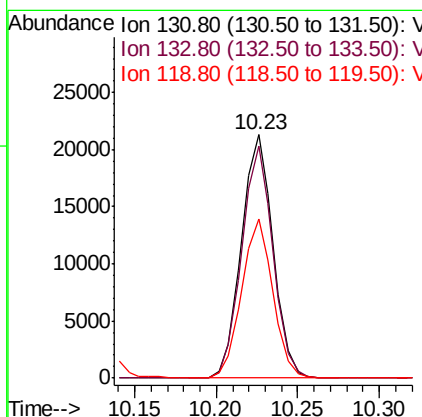
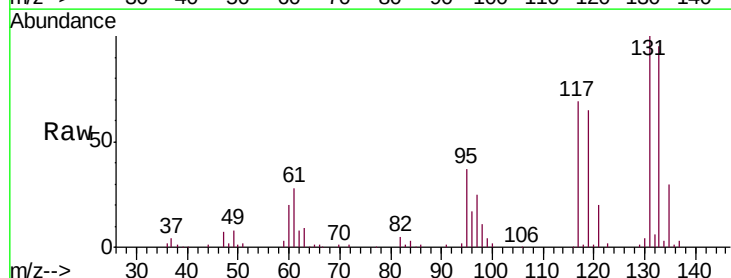
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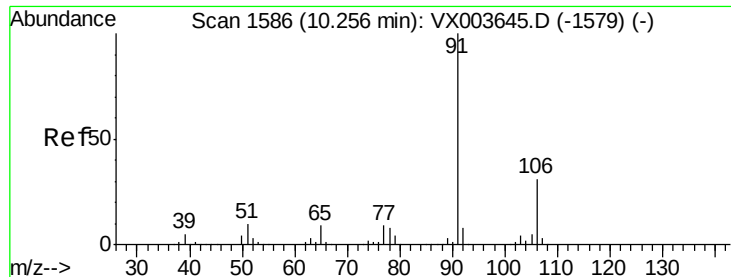
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.65 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003674.D
Acq: 26 Jul 2018 17:04

Tgt Ion:131 Resp: 28770
Ion Ratio Lower Upper
131 100
133 94.3 47.6 142.8
119 64.6 32.8 98.4





#67

Ethyl Benzene

Concen: 20.36 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX003674.D

Acq: 26 Jul 2018 17:04

Instrument :

MSVOA_X

ClientSampled :

VX0726WBSD01

Tot Ion: 91 Resp: 136585

Ion Ratio Lower Upper

91 100

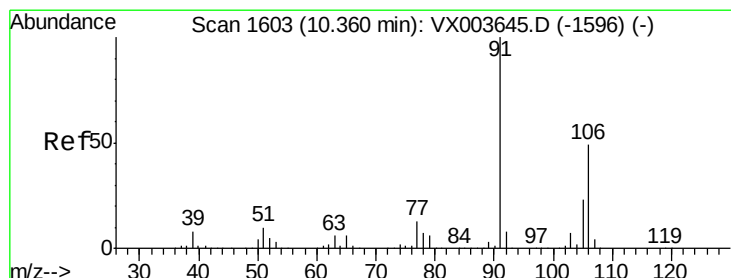
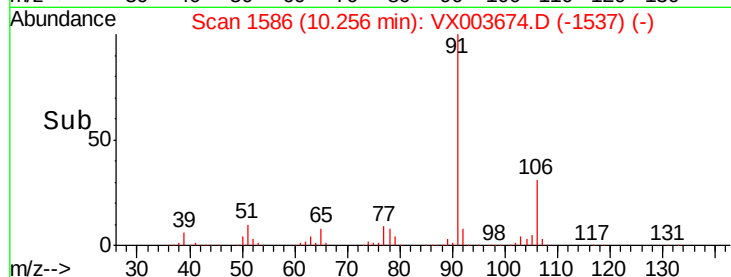
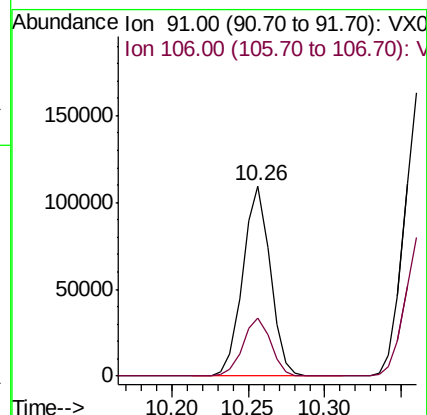
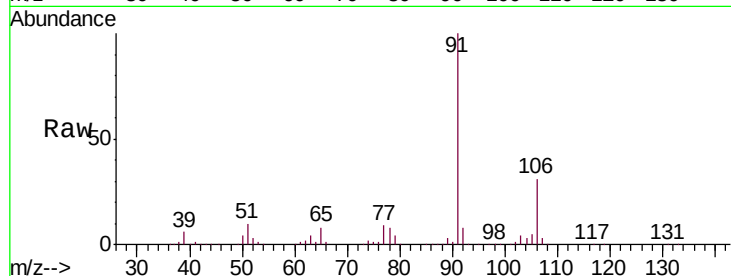
106 30.6 25.0 37.6

Manual Integrations

APPROVED

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#68

m/p-Xylenes

Concen: 41.11 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX003674.D

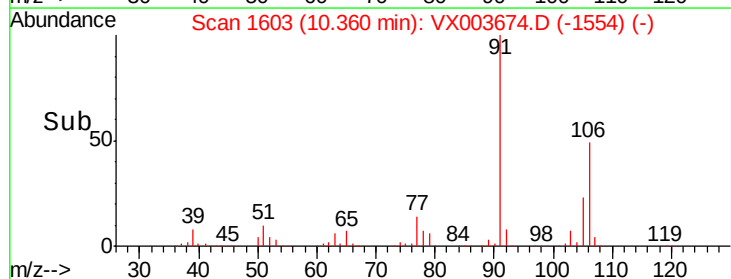
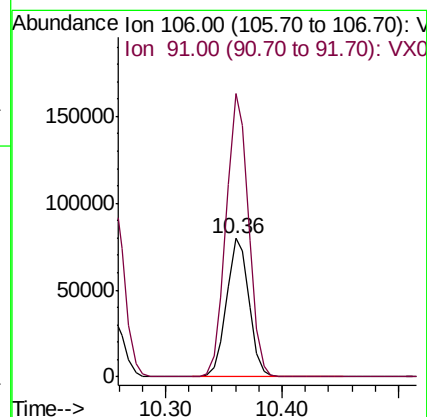
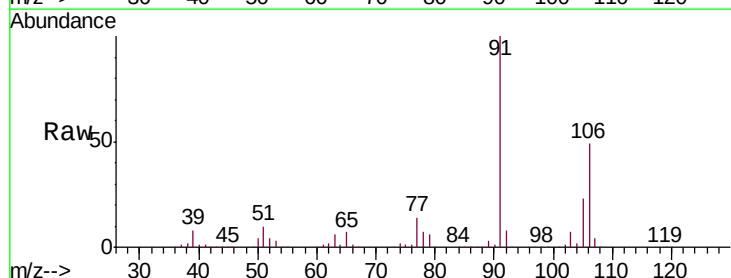
Acq: 26 Jul 2018 17:04

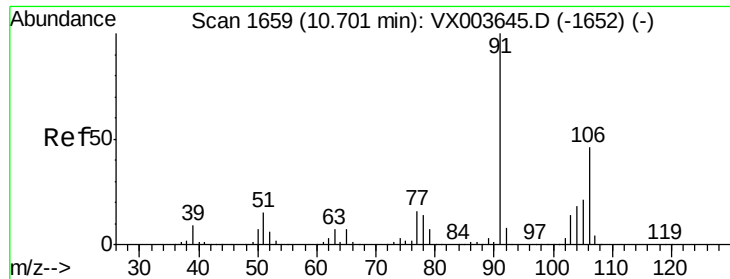
Tgt Ion: 106 Resp: 105816

Ion Ratio Lower Upper

106 100

91 205.7 162.2 243.2





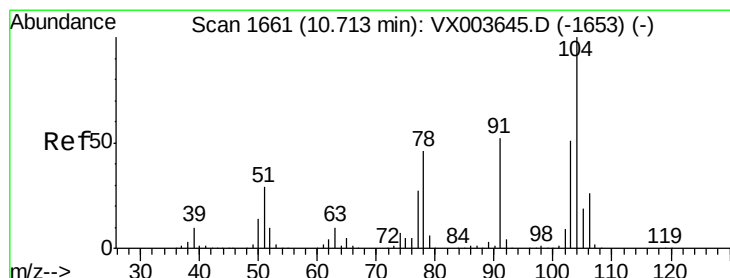
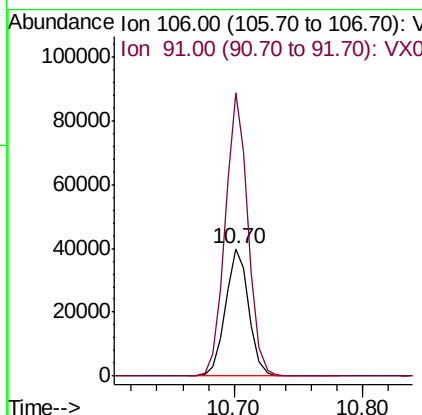
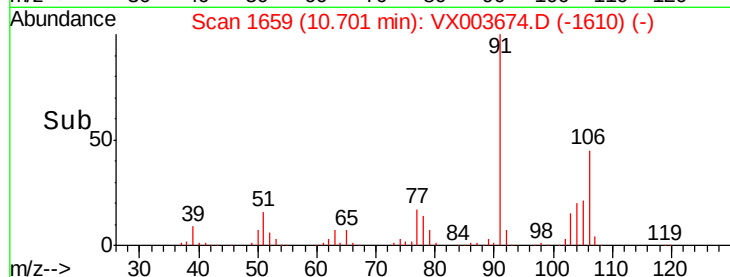
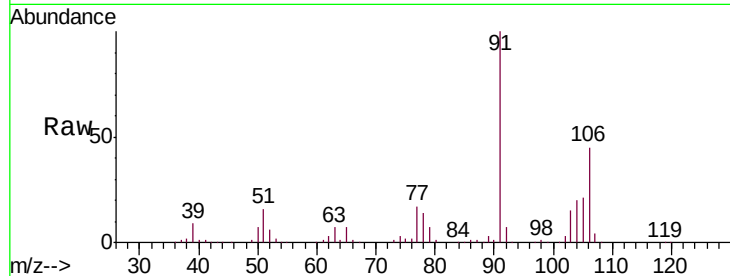
#69
o-Xylene
Concen: 20.49 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003674.D
Acq: 26 Jul 2018 17:04

Instrument :
MSVOA_X
ClientSampled :
VX0726WBSD01

Tot Ion:106 Resp: 50775
Ion Ratio Lower Upper
106 100
91 216.6 107.1 321.1

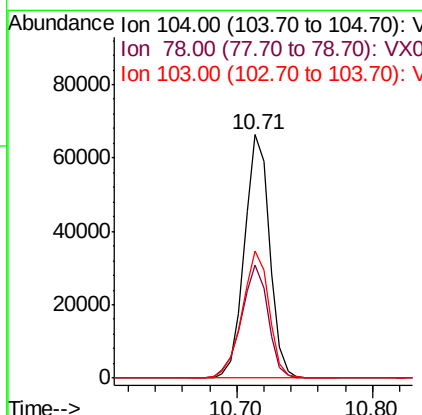
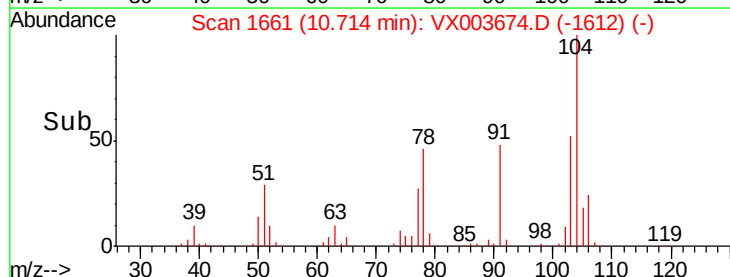
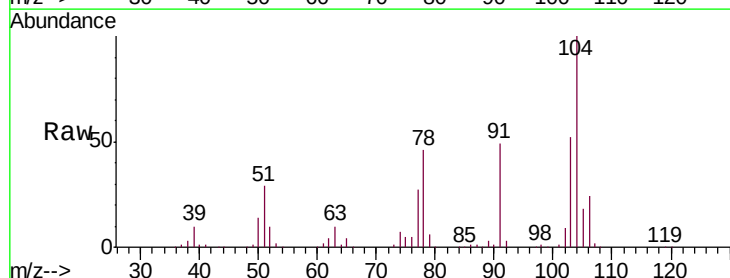
Manual Integrations
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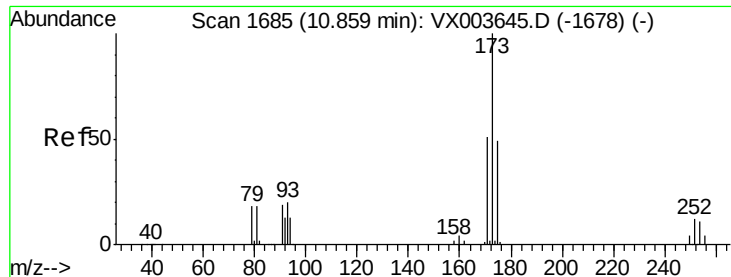
MMDadoda
7/27/2018 5:40:30 PM



#70
Styrene
Concen: 20.61 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003674.D
Acq: 26 Jul 2018 17:04

Tgt Ion:104 Resp: 85769
Ion Ratio Lower Upper
104 100
78 49.4 39.2 58.8
103 56.0 44.2 66.4





#71

Bromoform

Concen: 19.74 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003674.D

Acq: 26 Jul 2018 17:04

Instrument :

MSVOA_X

ClientSampleId :

VX0726WBSD01

Tot Ion:173 Resp: 21748

Ion Ratio Lower Upper

173 100

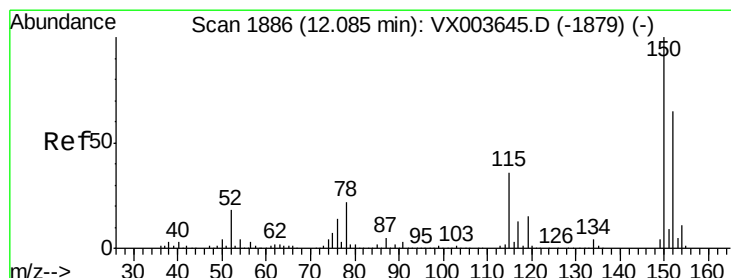
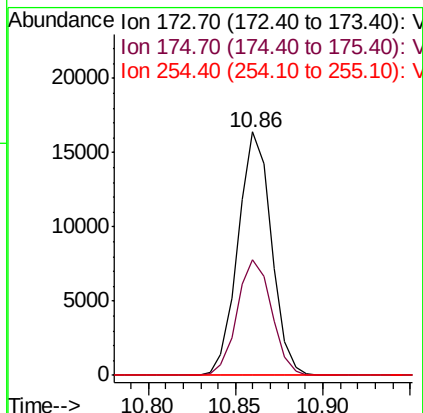
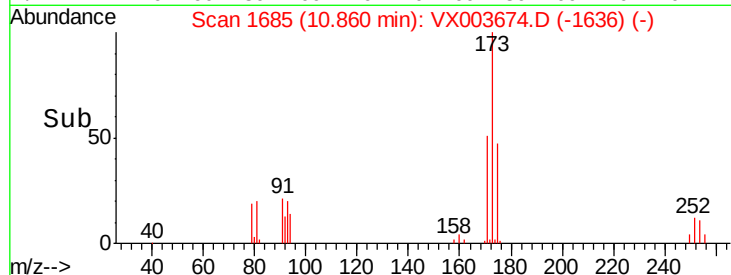
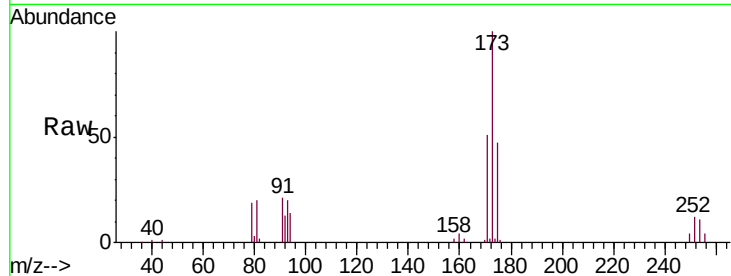
175 49.0 24.1 72.2

254 0.0 0.0 0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX003674.D

Acq: 26 Jul 2018 17:04

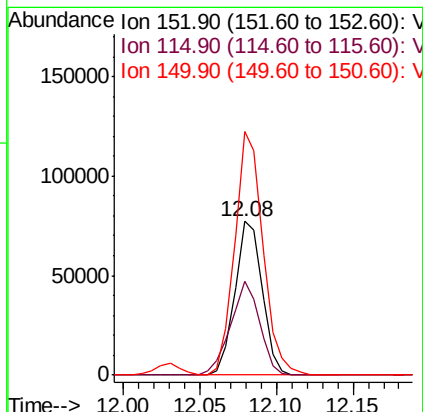
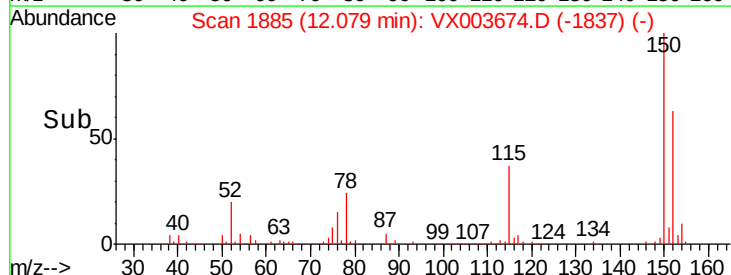
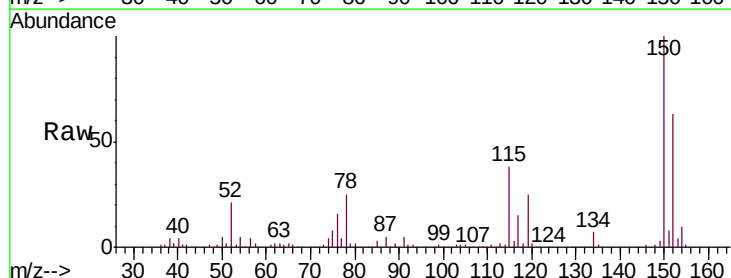
Tgt Ion:152 Resp: 95740

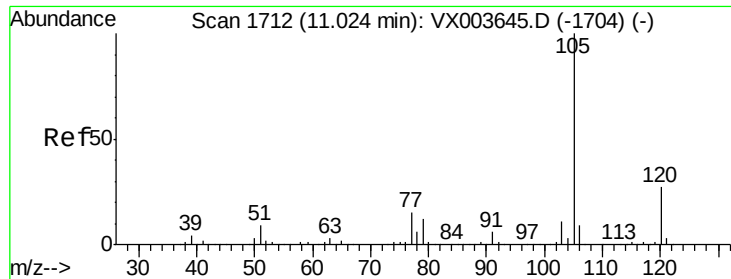
Ion Ratio Lower Upper

152 100

115 64.9 40.0 119.9

150 163.6 0.0 348.4





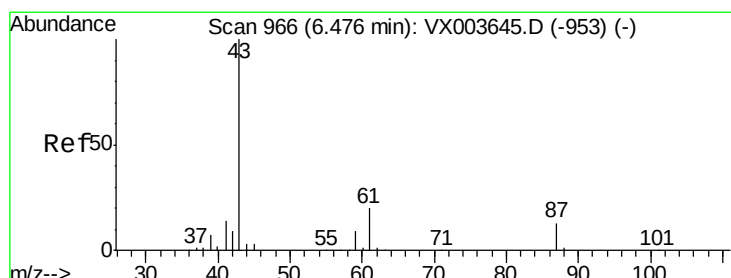
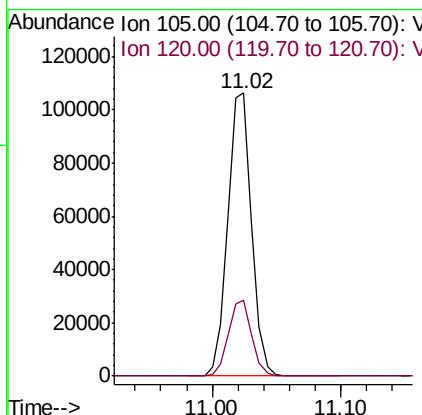
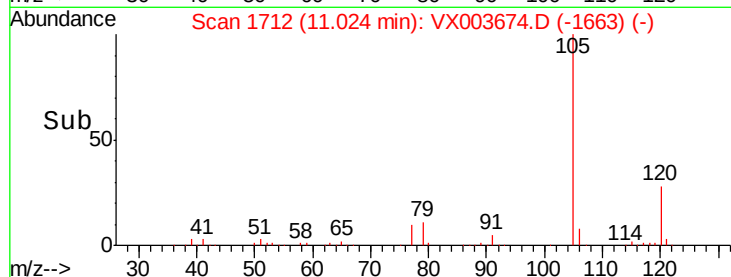
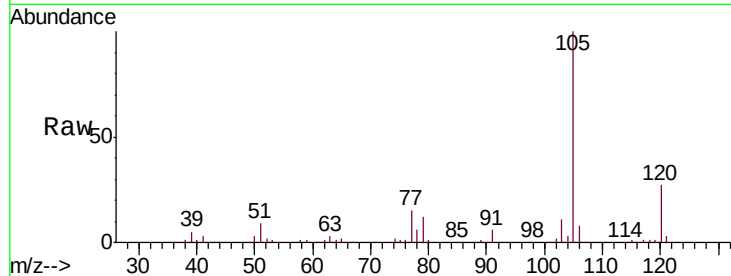
#73
Isopropylbenzene
Concen: 21.10 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VX003674.D
Acq: 26 Jul 2018 17:04

Instrument :
MSVOA_X
ClientSampleId :
VX0726WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.5	40.5

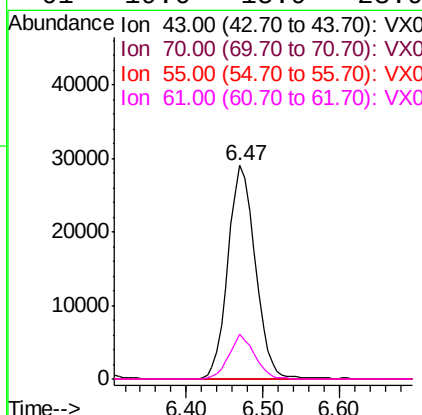
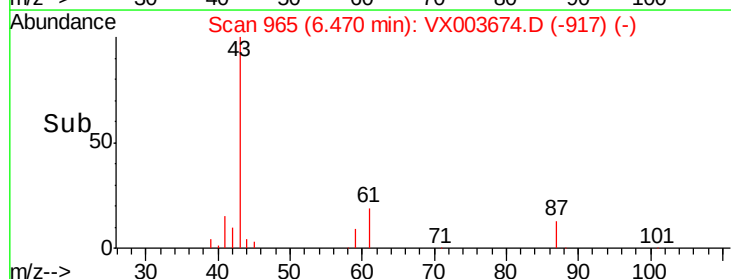
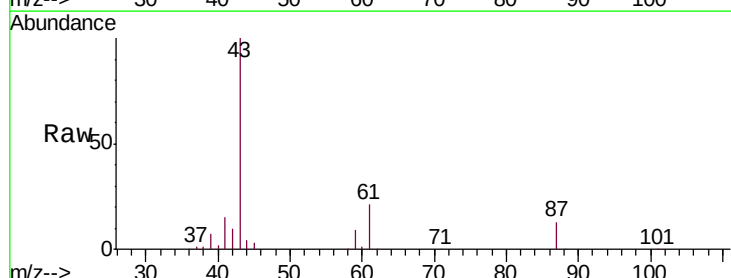
Manual Integrations
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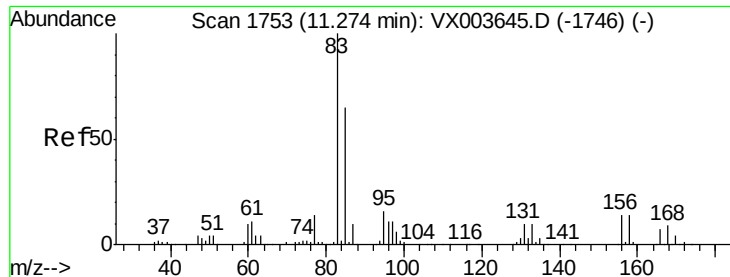
MMDadoda
7/27/2018 5:40:30 PM



#74
N-ethyl acetate
Concen: 21.20 ug/l
RT: 6.47 min Scan# 965
Delta R.T. -0.01 min
Lab File: VX003674.D
Acq: 26 Jul 2018 17:04

Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	0.0	0.0
55	0.0	0.0	0.0
61	19.6	15.9	23.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.51 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX003674.D

Acq: 26 Jul 2018 17:04

Instrument :

MSVOA_X

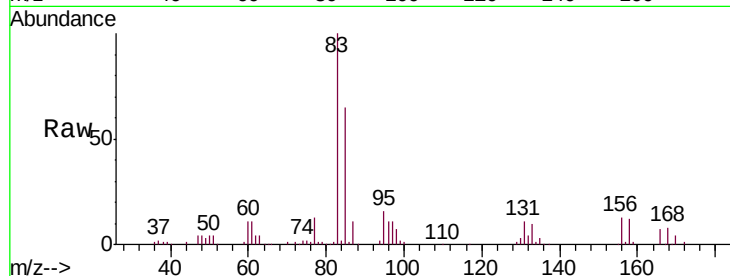
ClientSampleId :

VX0726WBSD01

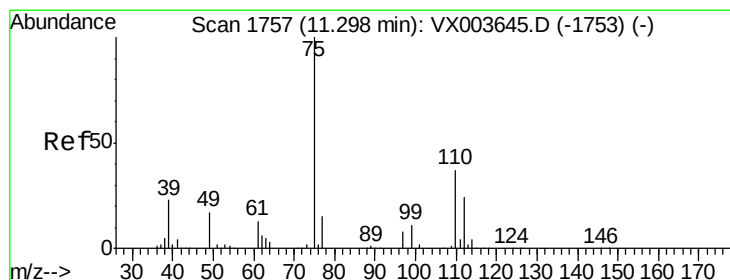
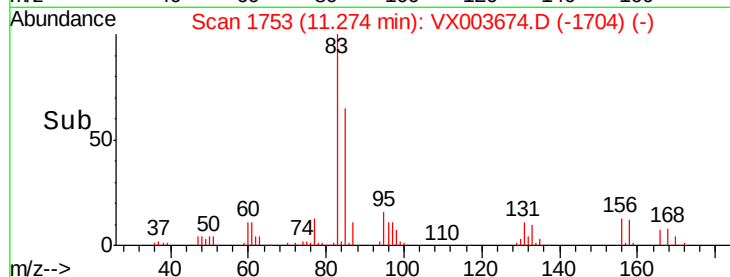
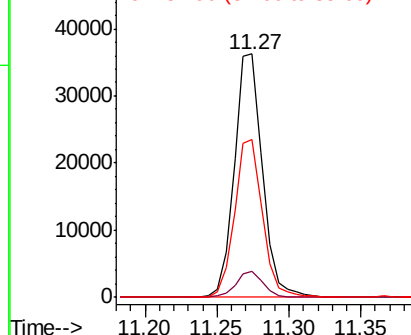
Tot Ion:	83	Resp:	49538
Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.1	15.4
85	64.4	31.9	95.9

Manual Integrations
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7/27/2018 5:40:30 PM



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 21.11 ug/l m

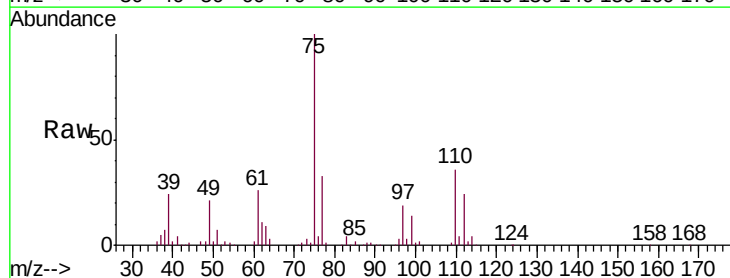
RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

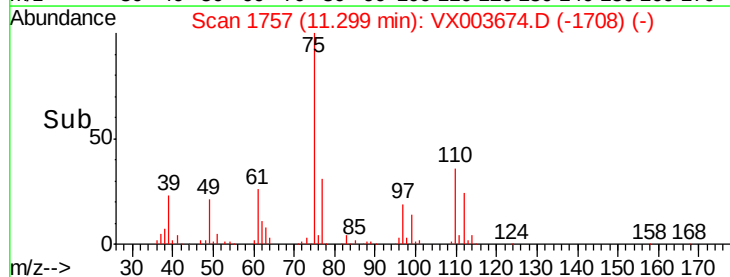
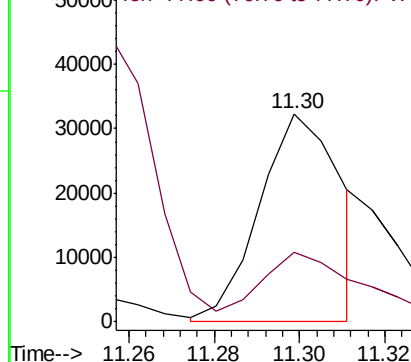
Lab File: VX003674.D

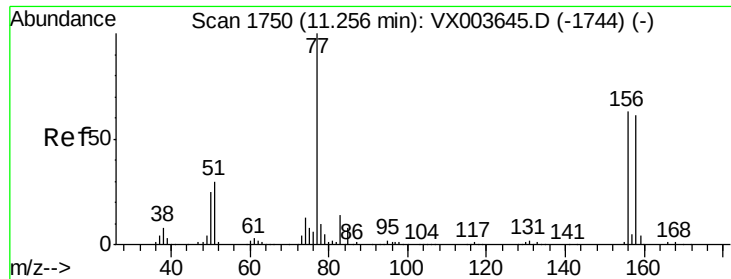
Acq: 26 Jul 2018 17:04

Tgt Ion:	75	Resp:	42383
Ion	Ratio	Lower	Upper
75	100		
77	42.8	21.6	64.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.53 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003674.D

Acq: 26 Jul 2018 17:04

Instrument :

MSVOA_X

ClientSampleId :

VX0726WBSD01

Tot Ion:156 Resp: 36467

Ion Ratio Lower Upper

156 100

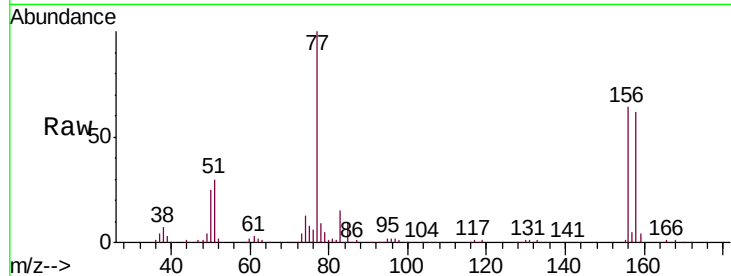
77 151.7 74.9 224.6

158 98.0 48.4 145.2

Manual Integrations
APPROVED

MMDadoda

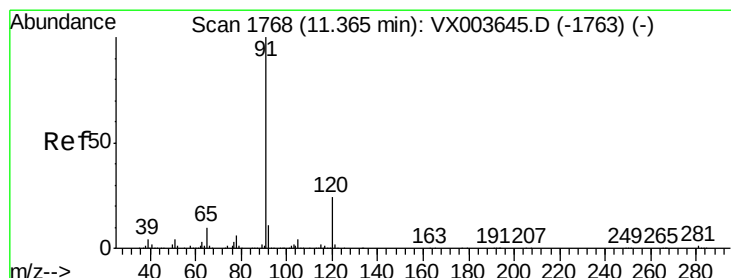
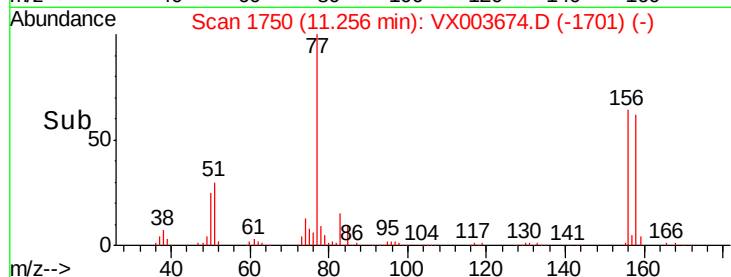
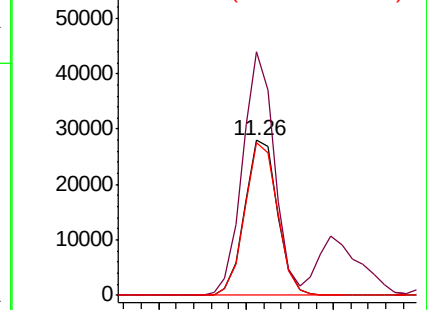
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.38 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.01 min

Lab File: VX003674.D

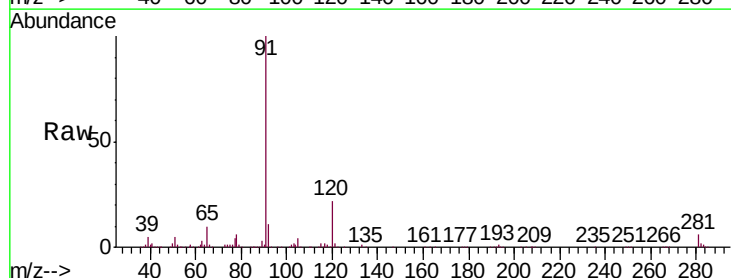
Acq: 26 Jul 2018 17:04

Tgt Ion: 91 Resp: 161505

Ion Ratio Lower Upper

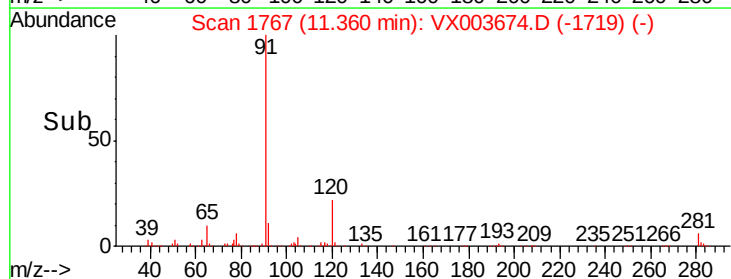
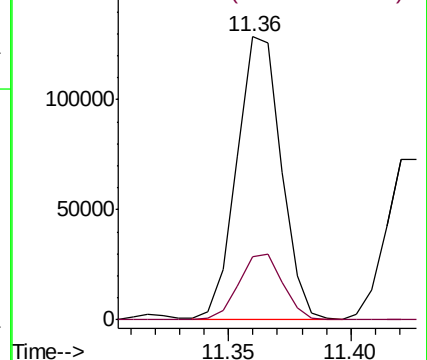
91 100

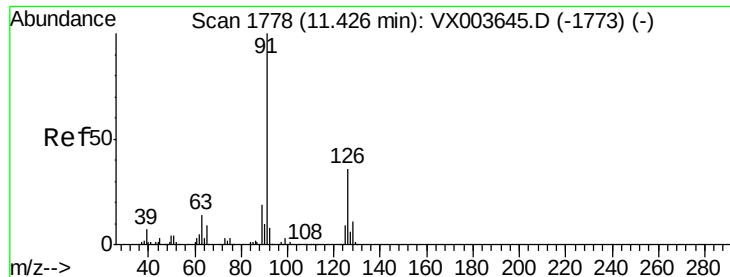
120 23.1 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.97 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX003674.D

Acq: 26 Jul 2018 17:04

Instrument :

MSVOA_X

ClientSampleId :

VX0726WBSD01

Tot Ion: 91 Resp: 96287

Ion Ratio Lower Upper

91 100

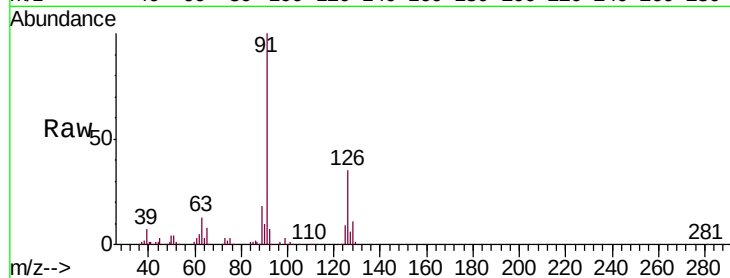
126 34.4 17.3 52.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX003645.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX003645.D (-1773) (-)

150000

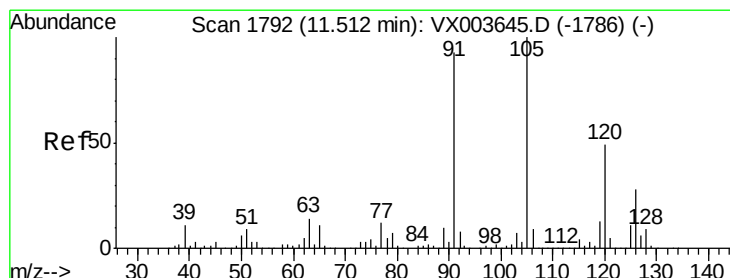
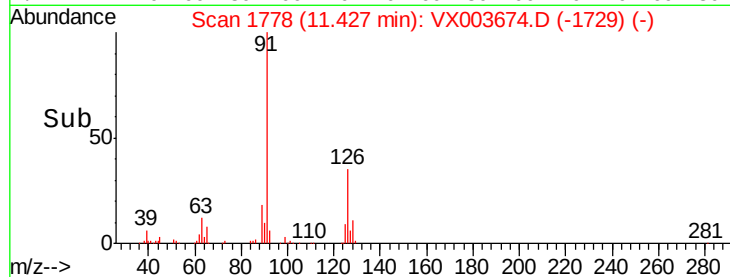
100000

50000

0

11.40 11.43 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.95 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003674.D

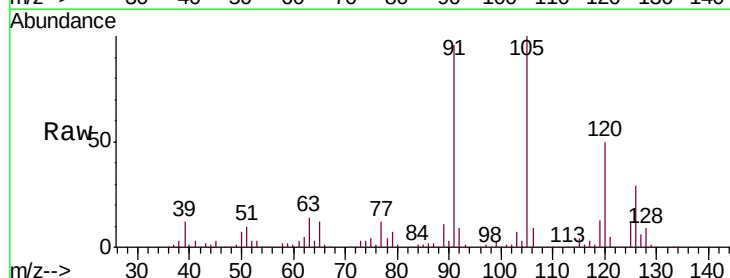
Acq: 26 Jul 2018 17:04

Tgt Ion: 105 Resp: 115944

Ion Ratio Lower Upper

105 100

120 48.4 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VX003645.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX003645.D (-1786) (-)

100000

80000

60000

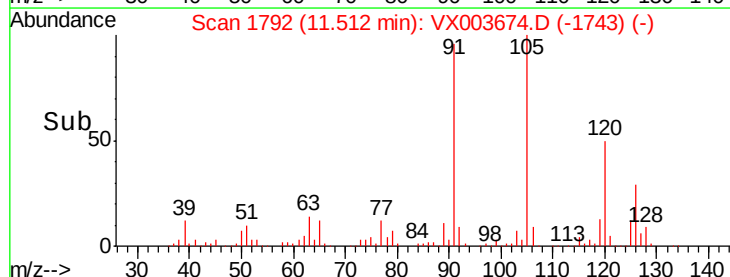
40000

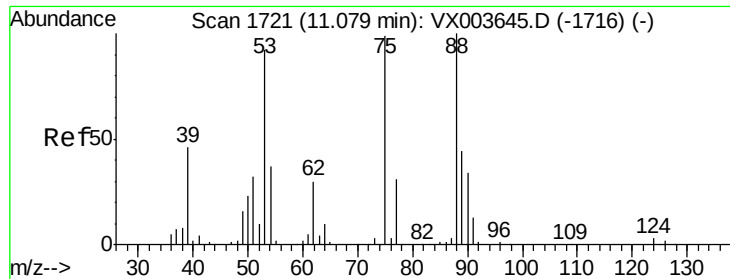
20000

0

11.45 11.50 11.55 11.60

Time-->





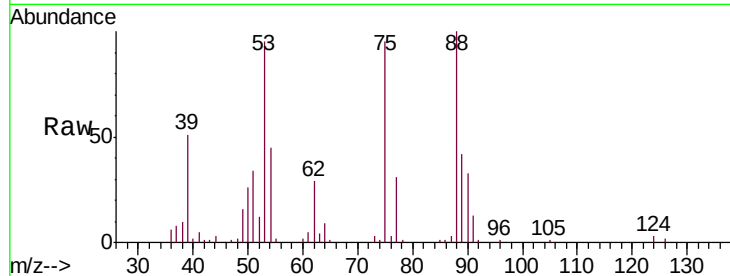
#81
trans-1,4-Dichloro-2-butene
Concen: 20.72 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003674.D
Acq: 26 Jul 2018 17:04

Instrument :
MSVOA_X
ClientSampleId :
VX0726WBSD01

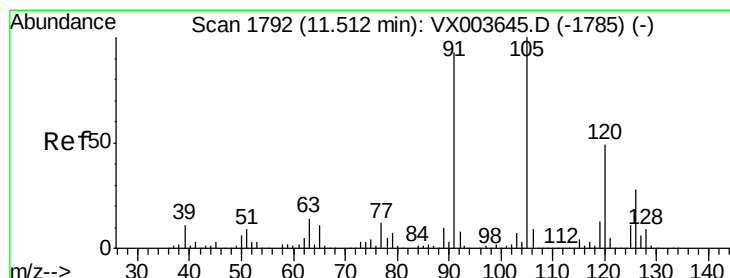
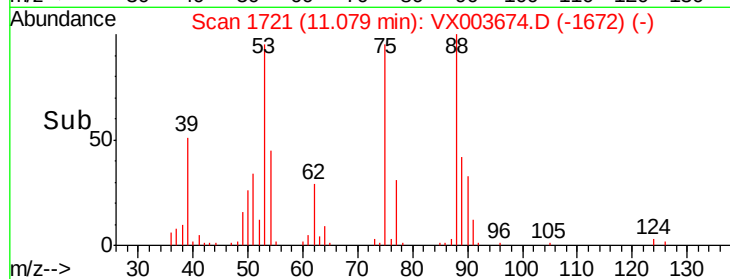
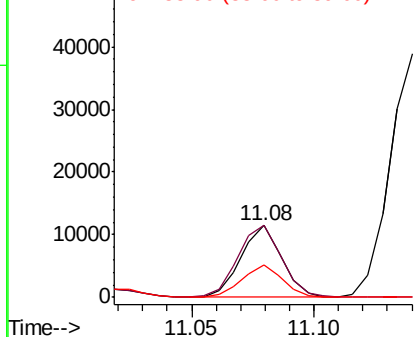
Tot Ion: 75 Resp: 13431
Ion Ratio Lower Upper
75 100
53 105.8 77.8 116.8
89 44.8 36.6 54.8

Manual Integrations
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7/27/2018 5:40:30 PM

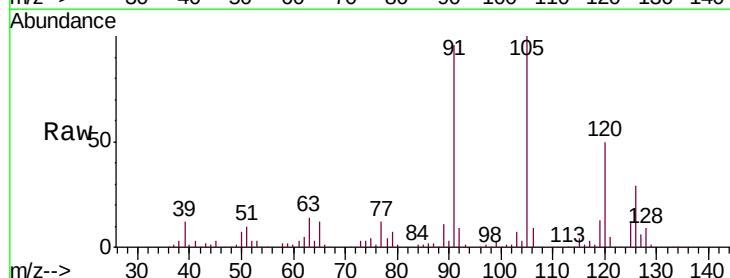


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0

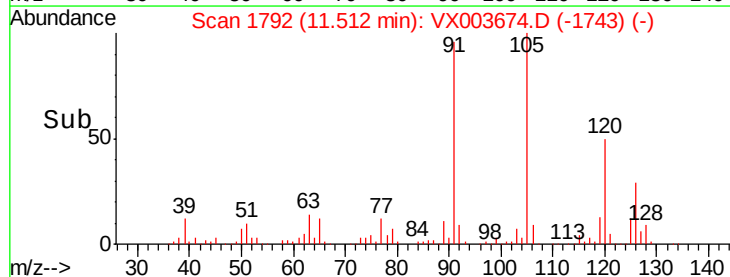
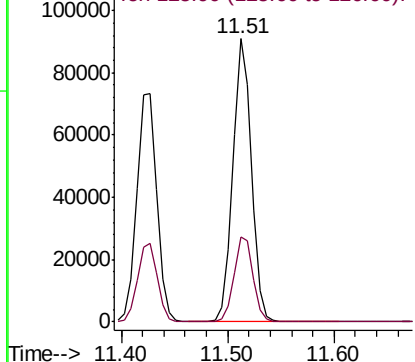


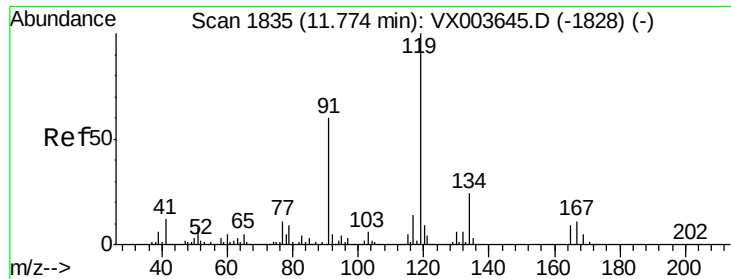
#82
4-Chlorotoluene
Concen: 20.70 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003674.D
Acq: 26 Jul 2018 17:04

Tgt Ion: 91 Resp: 111933
Ion Ratio Lower Upper
91 100
126 30.7 15.4 46.1



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V





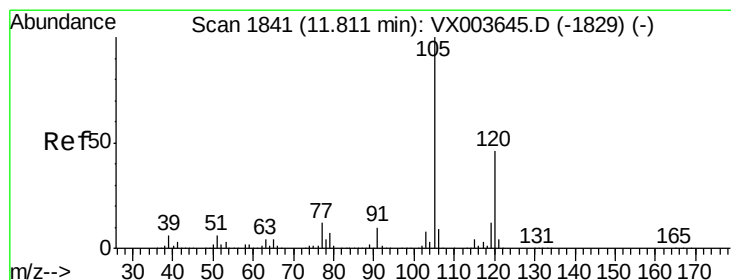
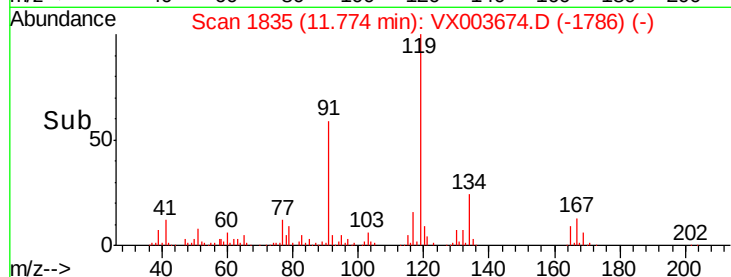
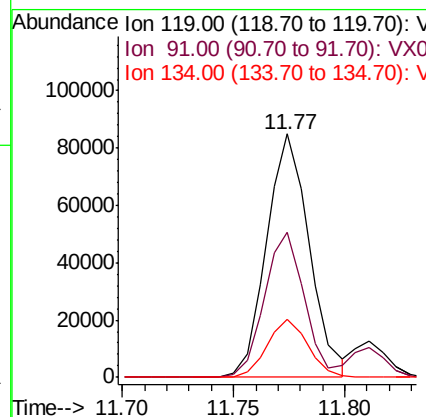
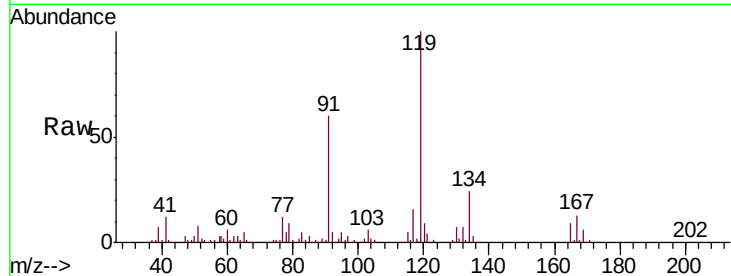
#83
 tert-Butylbenzene
 Concen: 20.84 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003674.D
 Acq: 26 Jul 2018 17:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0726WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	112865		
91	55.6	28.4	85.2	
134	22.8	11.6	34.8	

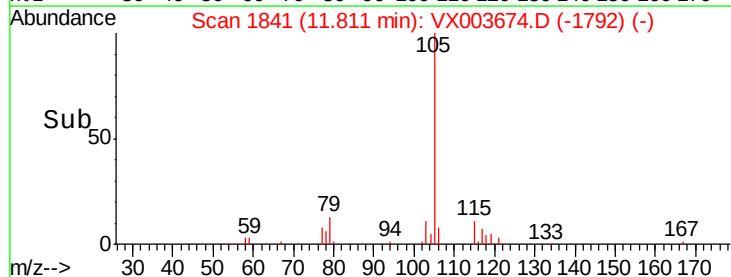
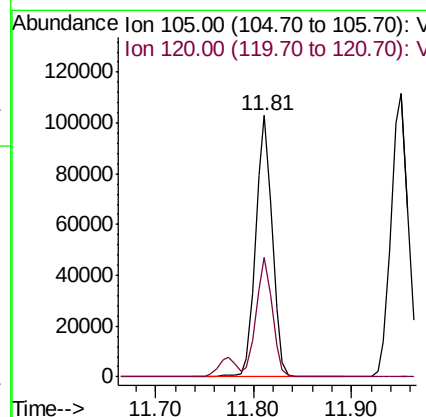
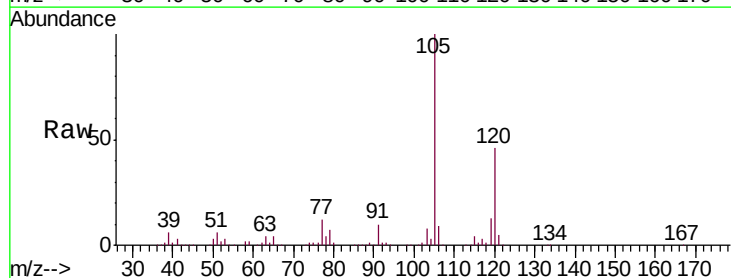
Manual Integrations
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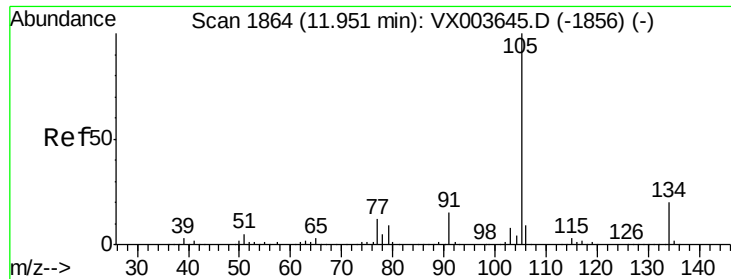
MMDadoda
 7/27/2018 5:40:30 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.22 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003674.D
 Acq: 26 Jul 2018 17:04

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	120692		
120	44.9	22.6	67.8	





#85

sec-Butylbenzene

Concen: 21.02 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003674.D

Acq: 26 Jul 2018 17:04

Instrument :

MSVOA_X

ClientSampleId :

VX0726WBSD01

Tot Ion:105 Resp: 135888

Ion Ratio Lower Upper

105 100

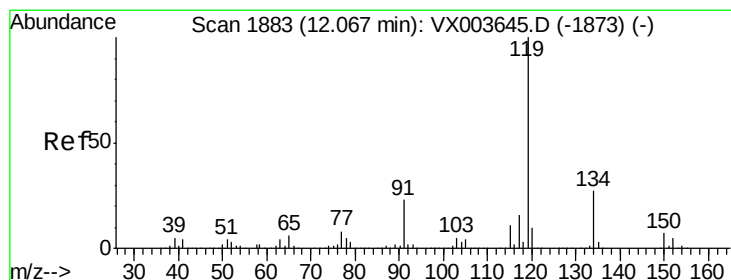
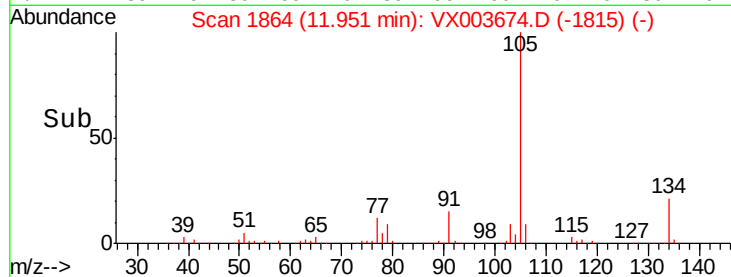
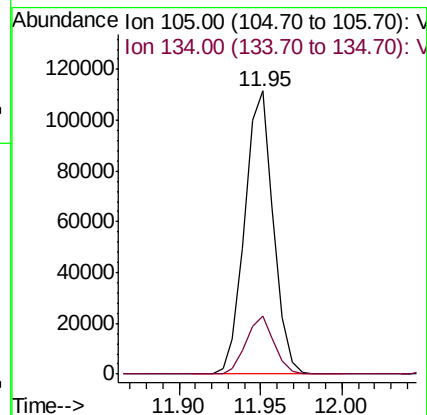
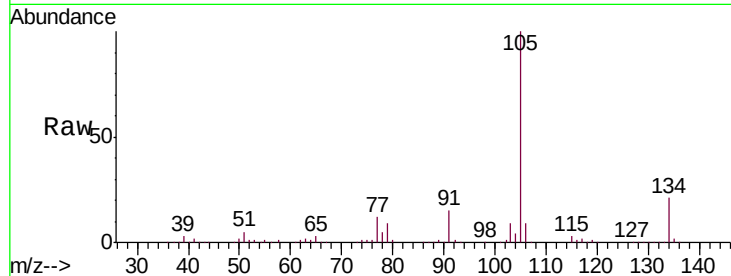
134 20.1 10.1 30.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.59 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003674.D

Acq: 26 Jul 2018 17:04

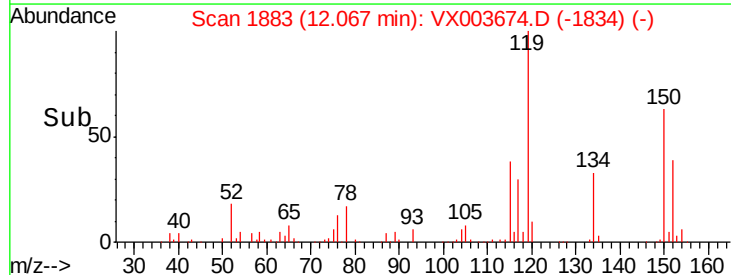
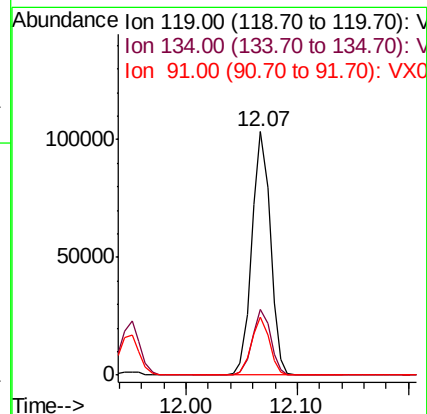
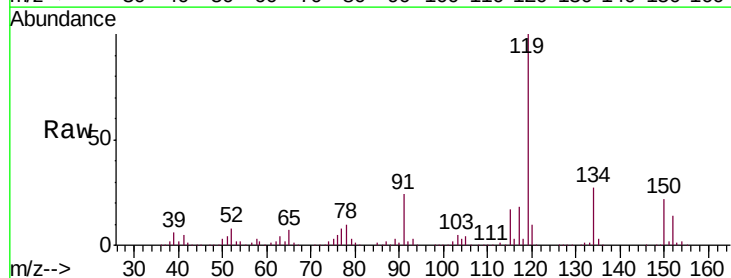
Tgt Ion:119 Resp: 119470

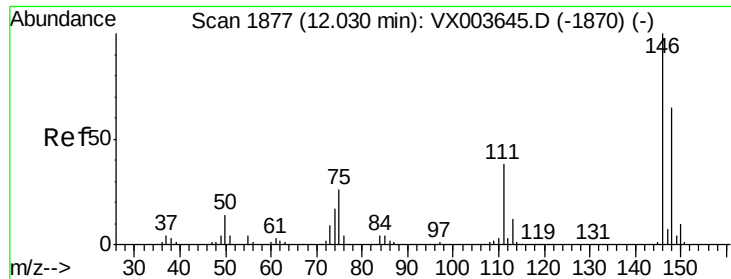
Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.9

91 23.2 11.5 34.5





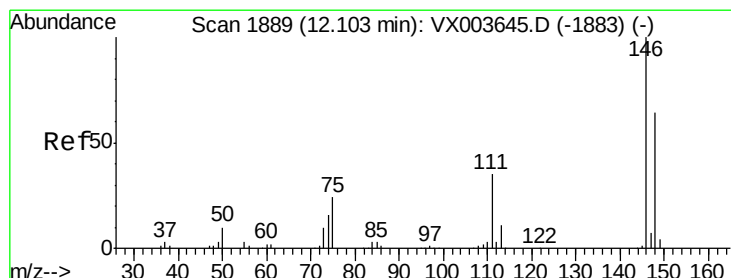
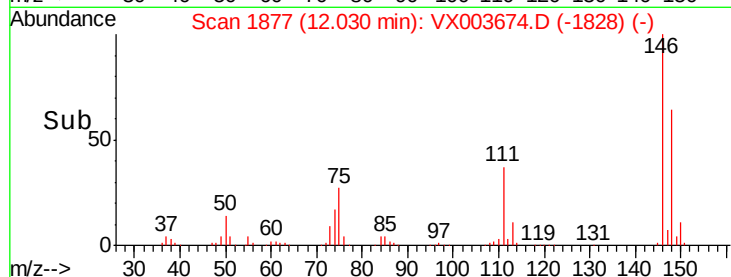
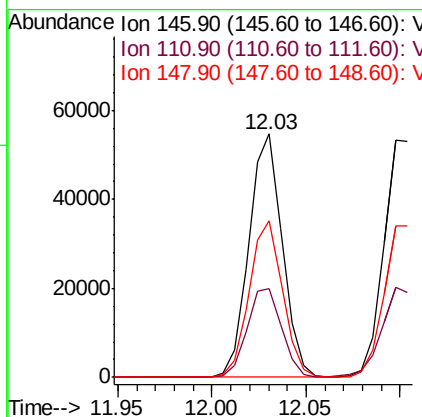
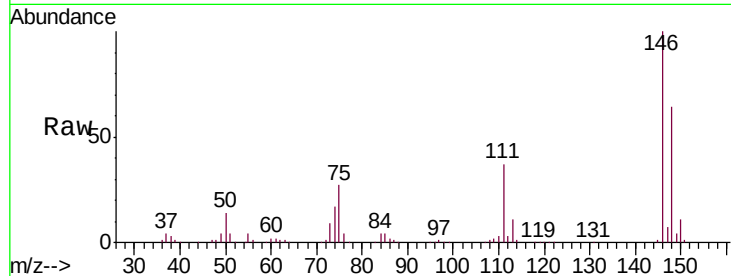
#87
 1,3-Dichlorobenzene
 Concen: 20.31 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003674.D
 Acq: 26 Jul 2018 17:04

Instrument :
 MSVOA_X
 ClientSampled :
 VX0726WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.4	58.2
148	64.5	32.4	97.0

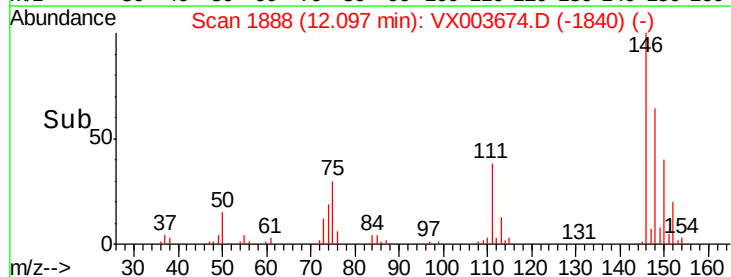
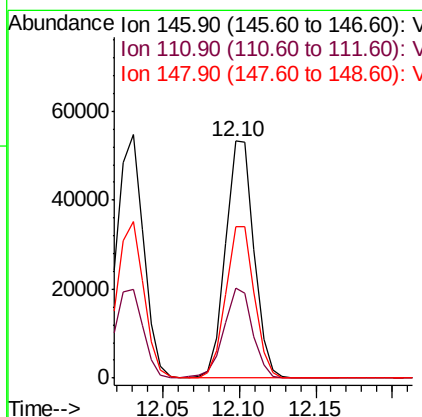
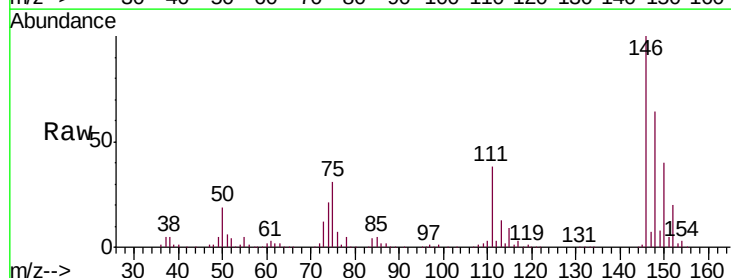
Manual Integrations
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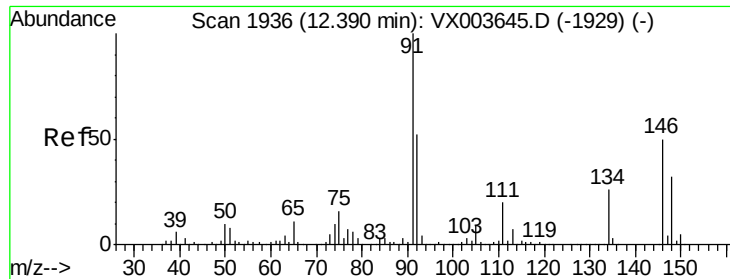
MMDadoda
 7/27/2018 5:40:30 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.94 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.01 min
 Lab File: VX003674.D
 Acq: 26 Jul 2018 17:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.6	55.6
148	64.6	32.0	96.2





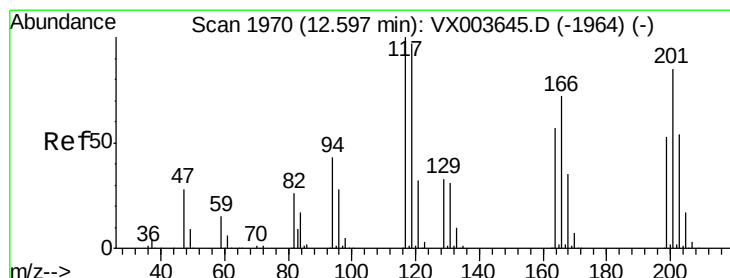
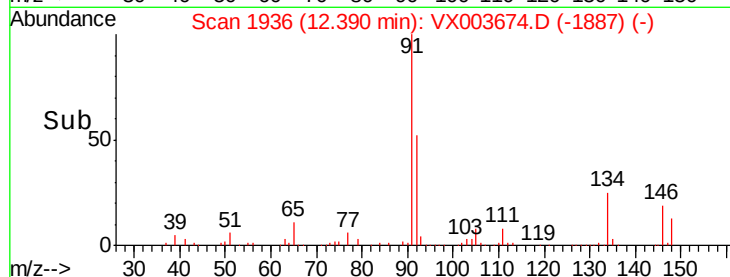
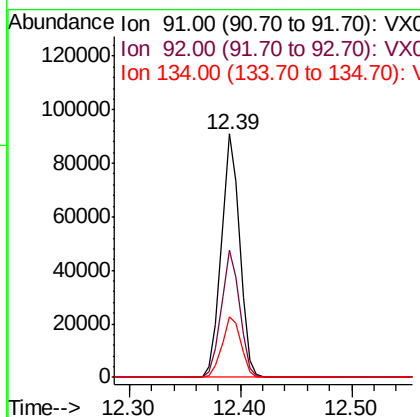
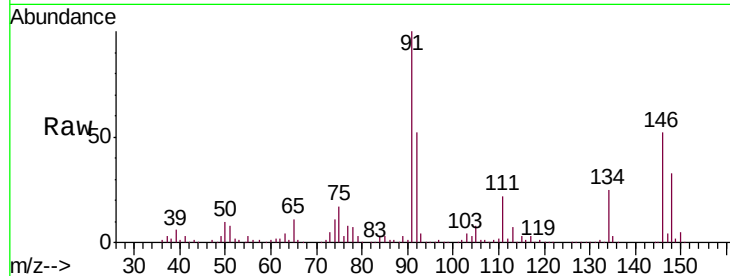
#89
n-Butylbenzene
Concen: 19.91 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003674.D
Acq: 26 Jul 2018 17:04

Instrument :
MSVOA_X
ClientSampleId :
VX0726WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.3	78.9
134	25.8	13.3	39.8

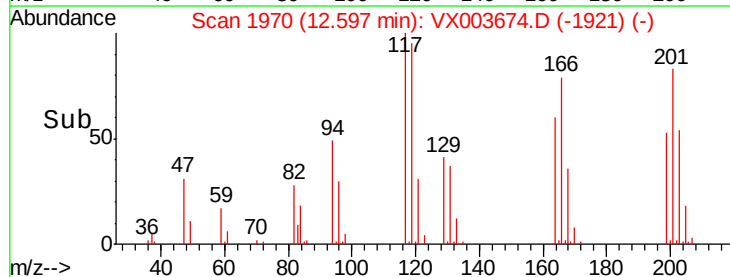
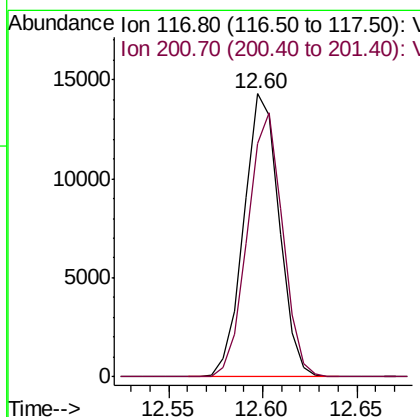
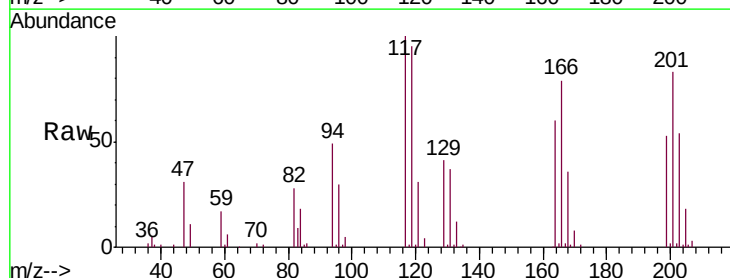
Manual Integrations
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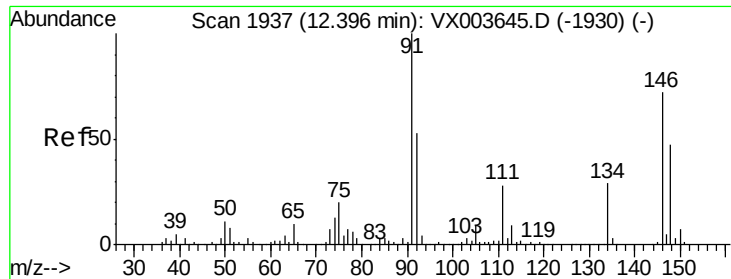
MMDadoda
7/27/2018 5:40:30 PM



#90
Hexachloroethane
Concen: 21.15 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003674.D
Acq: 26 Jul 2018 17:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.6	46.2	138.5





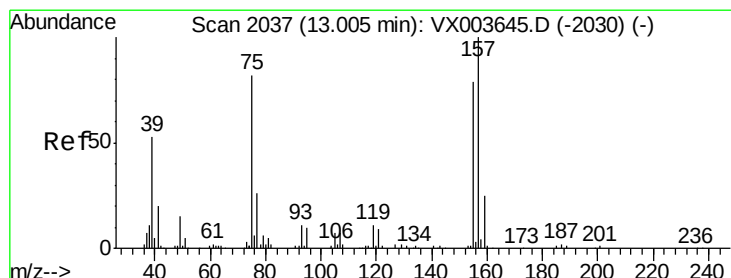
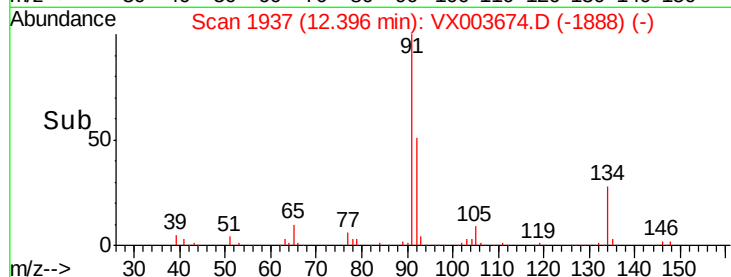
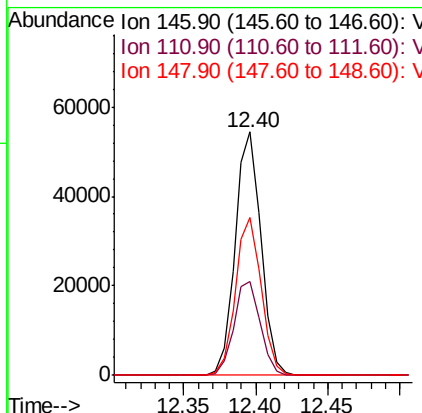
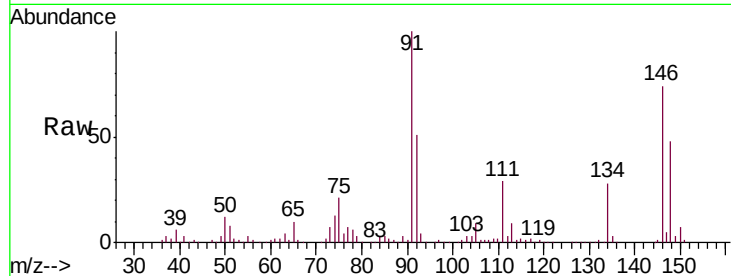
#91
1,2-Dichlorobenzene
Concen: 20.14 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX003674.D
Acq: 26 Jul 2018 17:04

Instrument :
MSVOA_X
ClientSampleId :
VX0726WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.8	59.4
148	64.4	32.2	96.6

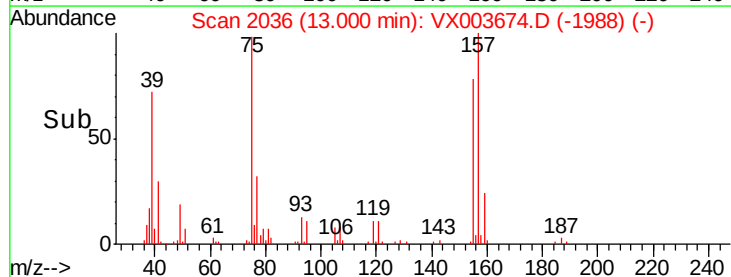
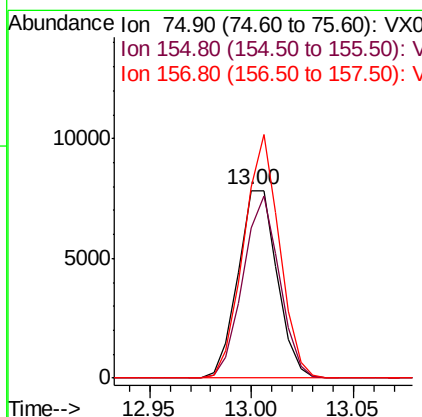
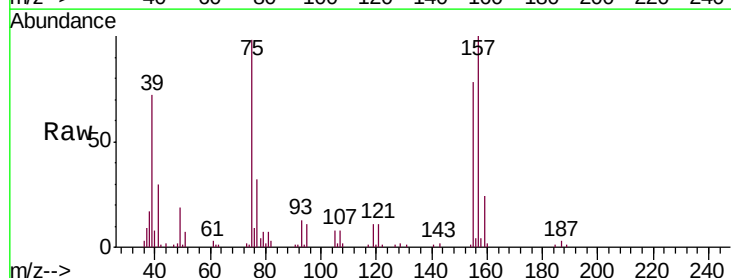
Manual Integrations
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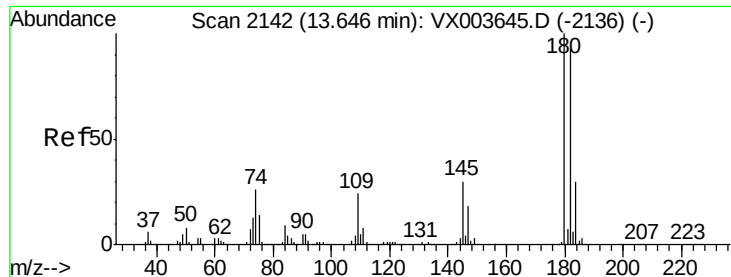
MMDadoda
7/27/2018 5:40:30 PM



#92
1,2-Dibromo-3-Chloropropane
Concen: 20.77 ug/l
RT: 13.00 min Scan# 2036
Delta R.T. -0.01 min
Lab File: VX003674.D
Acq: 26 Jul 2018 17:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.6	46.1	138.3
157	118.6	59.7	179.0





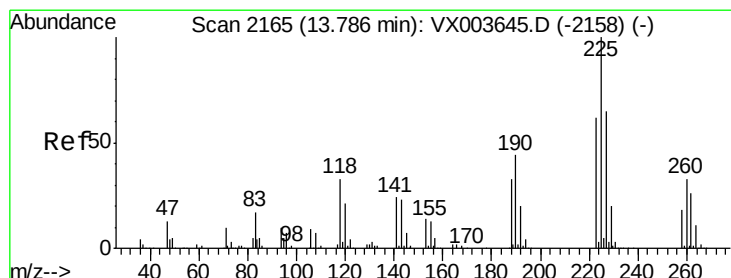
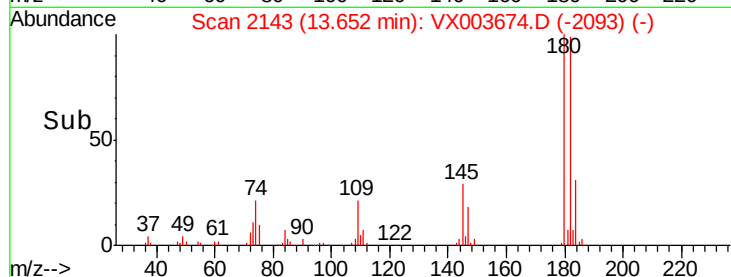
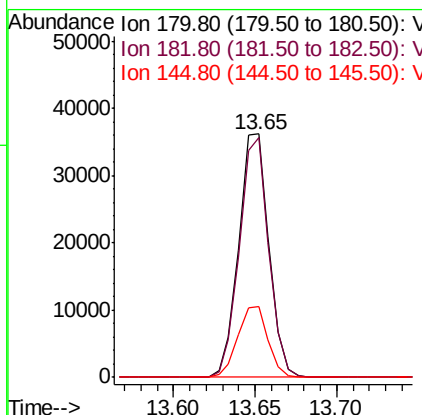
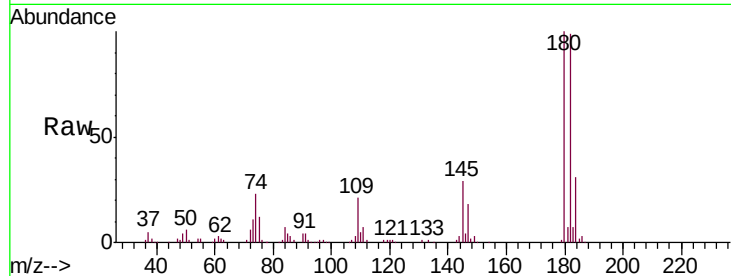
#93
 1,2,4-Trichlorobenzene
 Concen: 19.35 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.01 min
 Lab File: VX003674.D
 Acq: 26 Jul 2018 17:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0726WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	46666		
182	95.6	47.9	143.8	
145	29.1	14.4	43.2	

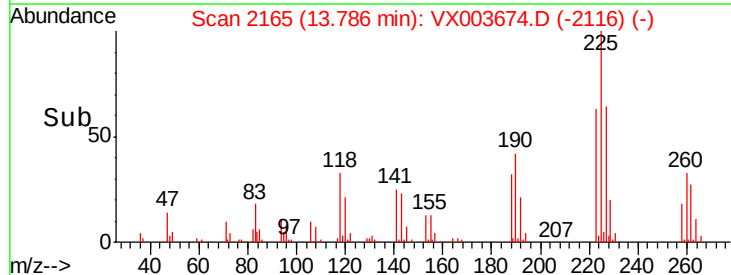
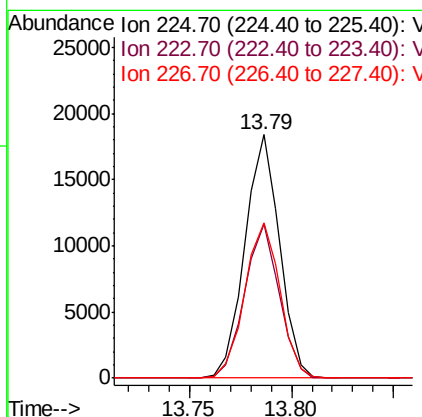
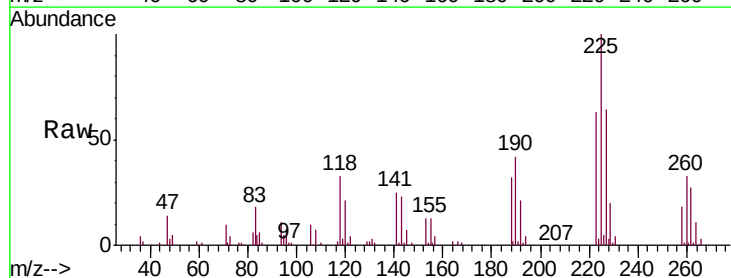
Manual Integrations
 APPROVED

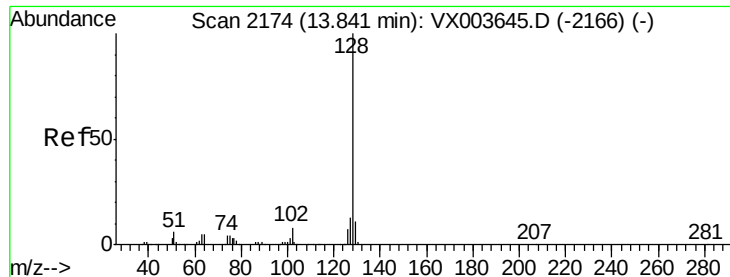
MMDadoda
 7/27/2018 5:40:30 PM



#94
 Hexachlorobutadiene
 Concen: 19.47 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003674.D
 Acq: 26 Jul 2018 17:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	21732		
223	63.0	30.9	92.5	
227	65.0	31.9	95.7	





#95

Naphthalene

Concen: 20.28 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.01 min

Lab File: VX003674.D

Acq: 26 Jul 2018 17:04

Instrument :

MSVOA_X

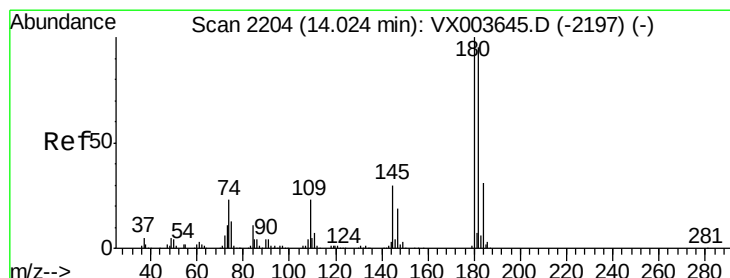
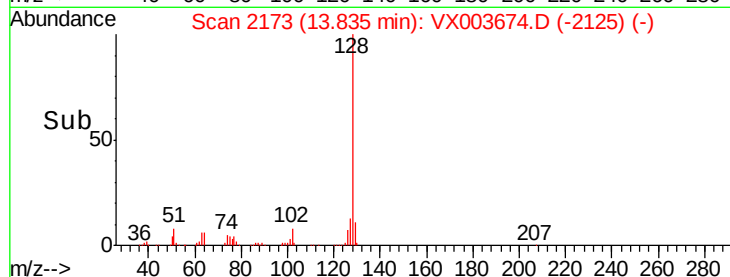
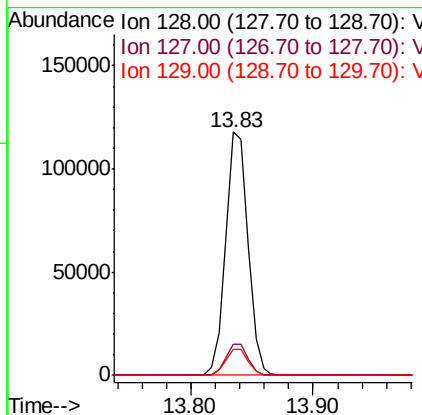
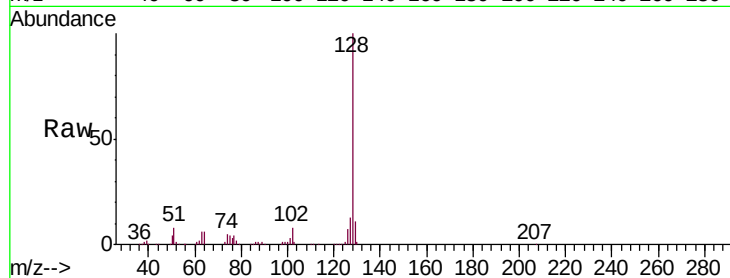
ClientSampleId :

VX0726WBSD01

Tot Ion:	128	Resp:	147947
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
7/27/2018 5:40:30 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.77 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003674.D

Acq: 26 Jul 2018 17:04

Tgt Ion:	180	Resp:	48436
Ion Ratio	Lower	Upper	
180	100		
182	96.1	47.6	142.8
145	30.1	15.0	45.1

