

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072518\
 Data File : VX003662.D
 Acq On : 25 Jul 2018 17:16
 Operator : JC/SP
 Sample : VX0725WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0725WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/27/2018 5:29:52 PM

Quant Time: Jul 27 04:24:52 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	128114	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	168854	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	180849	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	108116	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	89861	47.35	ug/l	0.00
Spiked Amount 50.000			Recovery =	94.70%		
35) Dibromofluoromethane	5.51	113	73098	52.96	ug/l	0.00
Spiked Amount 50.000			Recovery =	105.92%		
50) Toluene-d8	8.72	98	244892	46.49	ug/l	0.00
Spiked Amount 50.000			Recovery =	92.98%		
62) 4-Bromofluorobenzene	11.14	95	91895	47.83	ug/l	0.00
Spiked Amount 50.000			Recovery =	95.66%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	24305	16.66	ug/l	100
3) Chloromethane	1.32	50	35541	18.49	ug/l	100
4) Vinyl Chloride	1.40	62	38980	19.83	ug/l	99
5) Bromomethane	1.64	94	23634	24.90	ug/l	95
6) Chloroethane	1.72	64	25872	18.82	ug/l	97
7) Trichlorofluoromethane	1.93	101	50305	19.88	ug/l	96
8) Diethyl Ether	2.19	74	22673	20.45	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	31399	20.16	ug/l	98
10) Methyl Iodide	2.51	142	41598	21.73	ug/l	98
11) Tert butyl alcohol	3.07	59	47558	104.84	ug/l	100
12) 1,1-Dichloroethene	2.37	96	29849	20.14	ug/l	92
13) Acrolein	2.29	56	19508	87.71	ug/l	96
14) Allyl chloride	2.73	41	60859	19.70	ug/l	98
15) Acrylonitrile	3.15	53	109582	99.98	ug/l	99
16) Acetone	2.45	43	83800	93.99	ug/l	99
17) Carbon Disulfide	2.57	76	78377	18.39	ug/l	100
18) Methyl Acetate	2.78	43	53569	19.89	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	110976	21.20	ug/l	100
20) Methylene Chloride	2.86	84	35257	19.96	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	32780	20.57	ug/l	90
22) Diisopropyl ether	3.87	45	116900	20.73	ug/l #	86
23) Vinyl Acetate	3.83	43	499051	103.29	ug/l	99
24) 1,1-Dichloroethane	3.70	63	63454	19.96	ug/l	100
25) 2-Butanone	4.71	43	136114	98.83	ug/l	99
26) 2,2-Dichloropropane	4.59	77	43617	21.70	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	34918	20.18	ug/l	94
28) Bromochloromethane	5.02	49	23099	18.11	ug/l	97
29) Tetrahydrofuran	5.17	42	85856	95.76	ug/l	97
30) Chloroform	5.22	83	55559	19.27	ug/l	98
31) Cyclohexane	5.57	56	47229	18.51	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	44611	18.63	ug/l	98
36) 1,1-Dichloropropene	5.81	75	40350	20.44	ug/l	100
37) Ethyl Acetate	4.87	43	49583	20.89	ug/l	99
38) Carbon Tetrachloride	5.78	117	38940	20.47	ug/l	92

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 Misc : 5.0mL/MSVOA X/WATER
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 VX0725WBSD01

Manual Integrations
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Quant Time: Jul 27 04:24:52 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	40621	18.70	ug/l	98
40) Benzene	6.15	78	121120	20.74	ug/l	99
41) Methacrylonitrile	5.07	41	27466	20.90	ug/l	98
42) 1,2-Dichloroethane	6.20	62	42386	20.62	ug/l	99
43) Isopropyl Acetate	6.47	43	70112	20.25	ug/l	100
44) Trichloroethene	7.22	130	28430	18.15	ug/l	99
45) 1,2-Dichloropropane	7.52	63	27704	18.35	ug/l	99
46) Dibromomethane	7.66	93	17714	18.26	ug/l	100
47) Bromodichloromethane	7.90	83	32361	17.80	ug/l	97
48) Methyl methacrylate	7.78	41	34857	19.84	ug/l	97
49) 1,4-Dioxane	7.76	88	16492	420.75	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	214721	91.92	ug/l	98
52) Toluene	8.79	92	66565	18.33	ug/l	99
53) t-1,3-Dichloropropene	9.05	75	38484	19.11	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	40638	18.34	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	28915	19.48	ug/l	99
56) Ethyl methacrylate	9.19	69	45833	20.75	ug/l	97
57) 1,3-Dichloropropane	9.38	76	46097	18.50	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	107709	97.06	ug/l	100
59) 2-Hexanone	9.50	43	185706	103.63	ug/l	99
60) Dibromochloromethane	9.59	129	27315	19.41	ug/l	99
61) 1,2-Dibromoethane	9.68	107	28677	18.56	ug/l	99
64) Tetrachloroethene	9.34	164	26217	15.86	ug/l	96
65) Chlorobenzene	10.14	112	87413	19.21	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	29310	18.52	ug/l	99
67) Ethyl Benzene	10.26	91	145031	19.04	ug/l	99
68) m/p-Xylenes	10.36	106	107995	36.95	ug/l	98
69) o-Xylene	10.70	106	52806	18.77	ug/l	99
70) Styrene	10.71	104	88939	18.82	ug/l	99
71) Bromoform	10.86	173	21509	17.19	ug/l #	98
73) Isopropylbenzene	11.02	105	129838	17.58	ug/l	99
74) N-amyl acetate	6.47	43	70112	18.20	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	45815	16.80	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	46649m	20.57	ug/l	
77) Bromobenzene	11.26	156	33127	16.51	ug/l	98
78) n-propylbenzene	11.36	91	181245	21.25	ug/l	100
79) 2-Chlorotoluene	11.42	91	108030	20.84	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	131690	21.07	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	12104	16.54	ug/l	87
82) 4-Chlorotoluene	11.51	91	126874	20.78	ug/l	100
83) tert-Butylbenzene	11.77	119	126381	20.67	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	134322	20.91	ug/l	99
85) sec-Butylbenzene	11.95	105	149939	20.54	ug/l	100
86) p-Isopropyltoluene	12.07	119	132807	20.27	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	73900	19.78	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	74199	19.10	ug/l	99
89) n-Butylbenzene	12.39	91	112254	19.01	ug/l	99
90) Hexachloroethane	12.60	117	18215	18.36	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	72068	18.88	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	9540	16.80	ug/l	98

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Instrument :
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ClientSampleId :
VX0725WBSD01

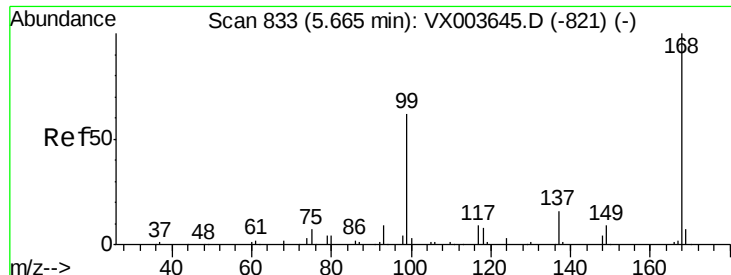
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072418W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 27 02:16:51 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	50731	18.62	ug/l	100
94) Hexachlorobutadiene	13.79	225	22472	17.83	ug/l	100
95) Naphthalene	13.83	128	150575	18.28	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	47292	17.09	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: VX003662.D

Acq: 25 Jul 2018 17:16

Instrument :

MSVOA_X

ClientSampleId :

VX0725WBSD01

Tot Ion:168 Resp: 128114

Ion Ratio Lower Upper

168 100

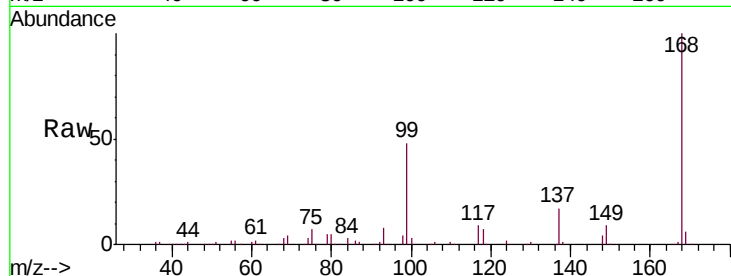
99 47.5 49.5 74.3#

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

40000

30000

20000

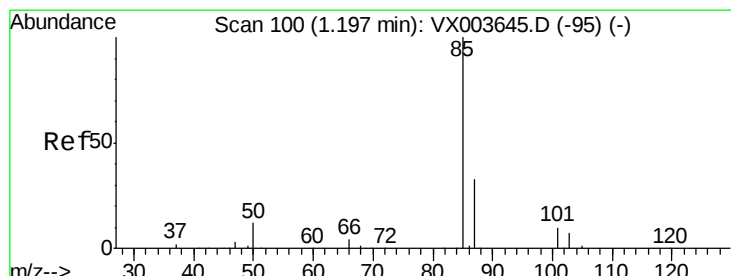
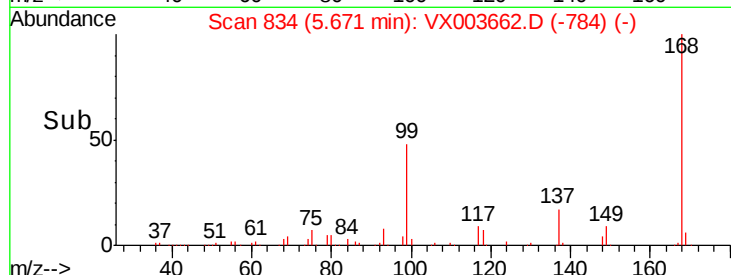
10000

0

5.60

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 16.66 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX003662.D

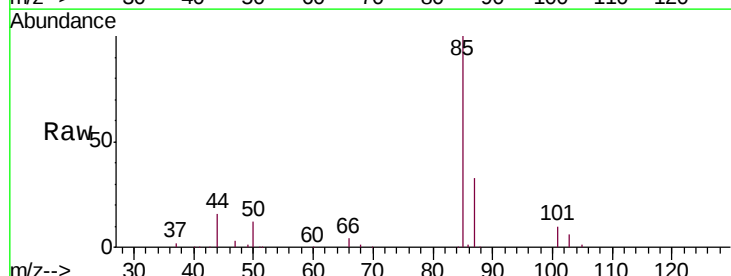
Acq: 25 Jul 2018 17:16

Tgt Ion: 85 Resp: 24305

Ion Ratio Lower Upper

85 100

87 32.8 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

25000

20000

15000

10000

5000

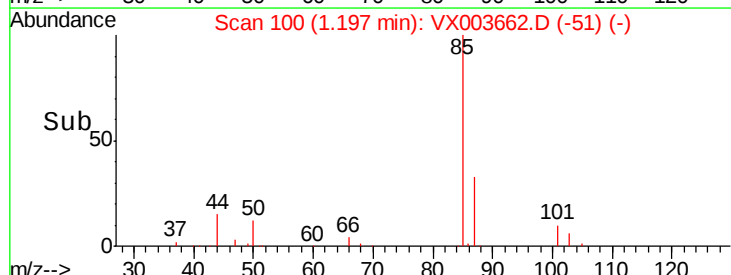
0

1.15

1.20

1.25

Time-->





#3

Chloromethane

Concen: 18.49 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX003662.D

Acq: 25 Jul 2018 17:16

Instrument :

MSVOA_X

ClientSampleId :

VX0725WBSD01

Tot Ion: 50 Resp: 35541

Ion Ratio Lower Upper

50 100

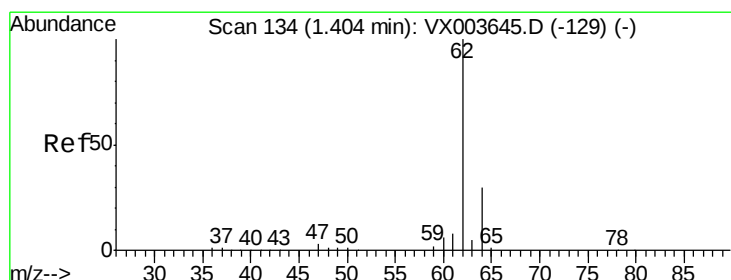
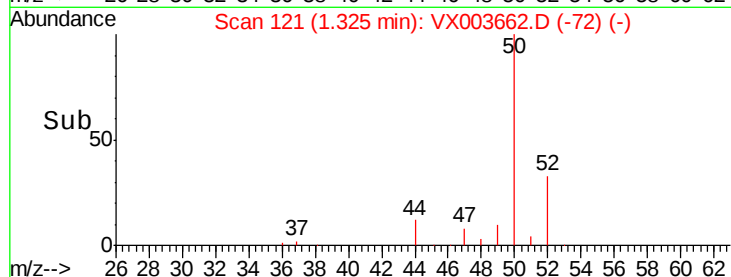
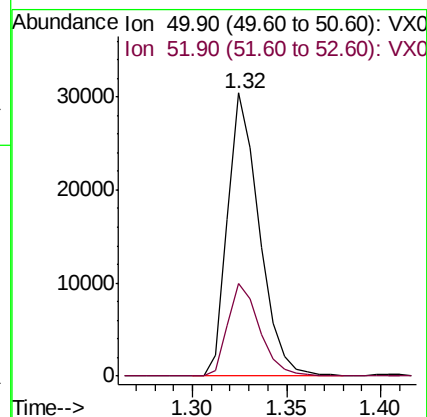
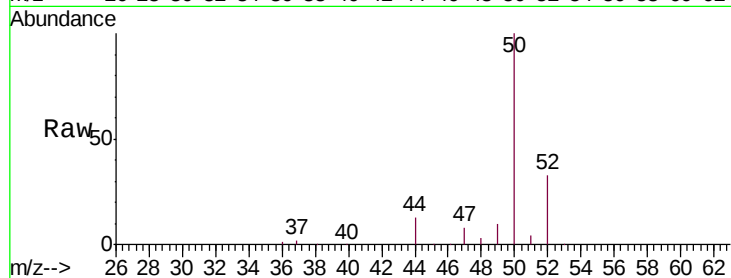
52 32.8 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.83 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX003662.D

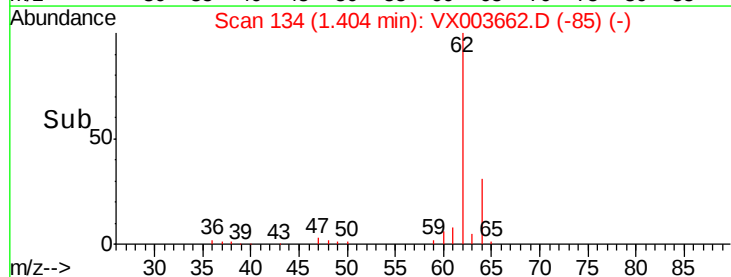
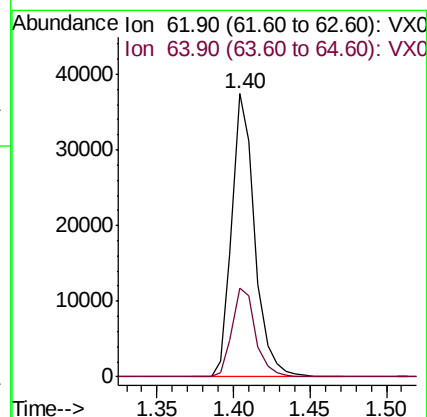
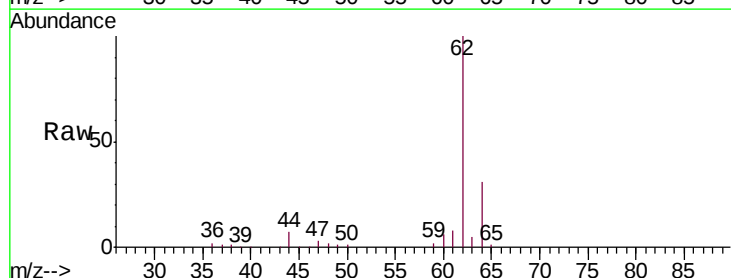
Acq: 25 Jul 2018 17:16

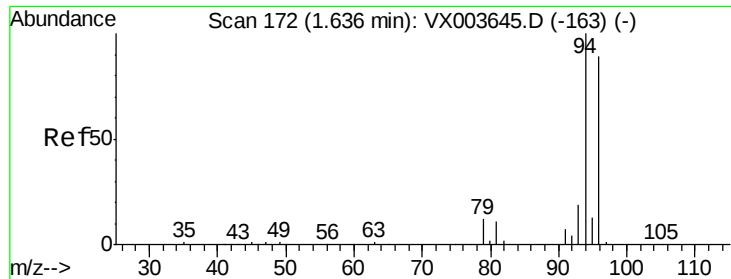
Tgt Ion: 62 Resp: 38980

Ion Ratio Lower Upper

62 100

64 31.2 24.4 36.6





#5

Bromomethane

Concen: 24.90 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.00 min

Lab File: VX003662.D

Acq: 25 Jul 2018 17:16

Instrument :

MSVOA_X

ClientSampleId :

VX0725WBSD01

Tot Ion: 94 Resp: 23634

Ion Ratio Lower Upper

94 100

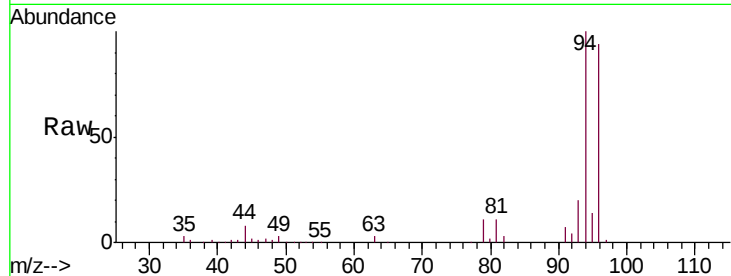
96 93.8 71.3 106.9

Manual Integrations

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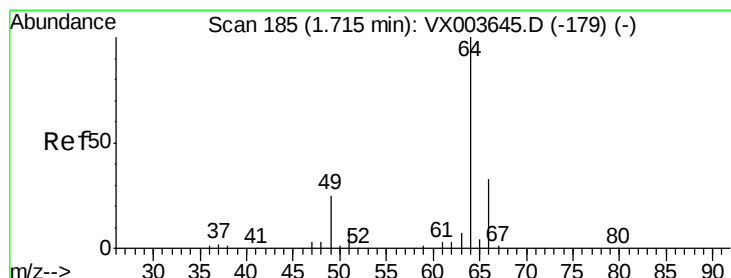
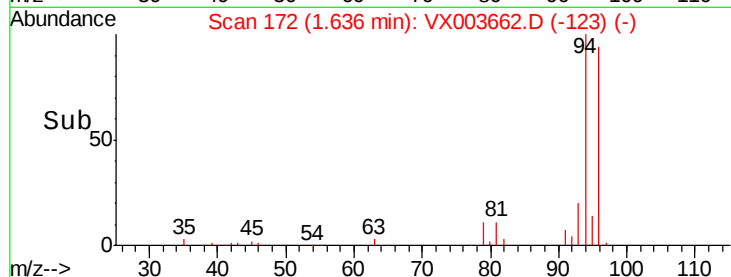
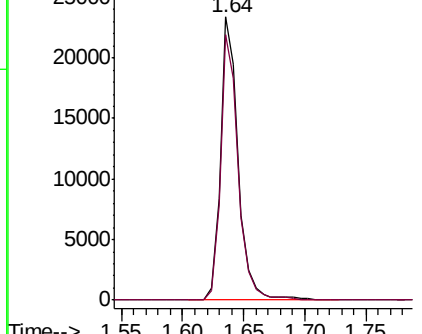
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 18.82 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX003662.D

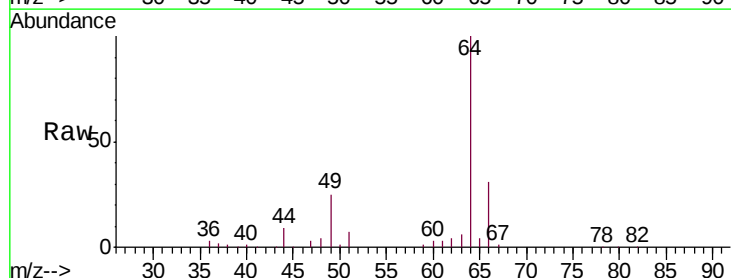
Acq: 25 Jul 2018 17:16

Tgt Ion: 64 Resp: 25872

Ion Ratio Lower Upper

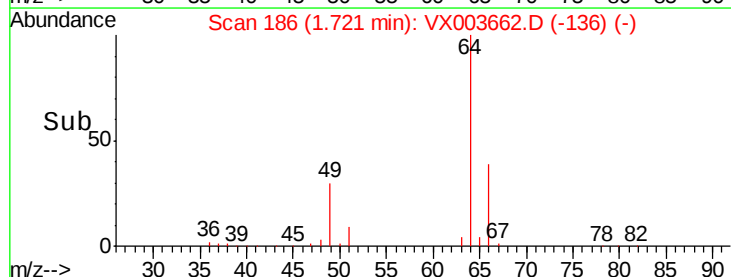
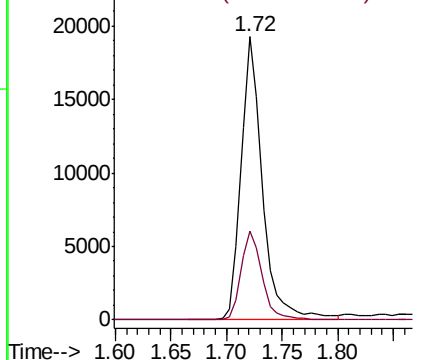
64 100

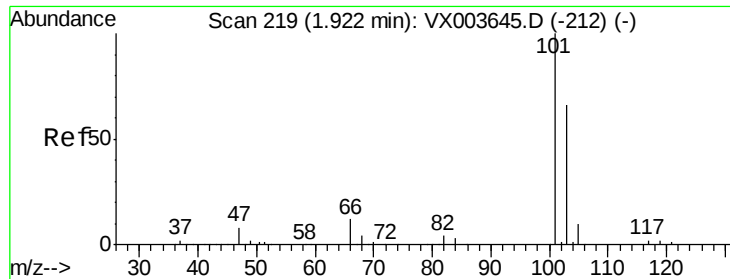
66 31.2 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

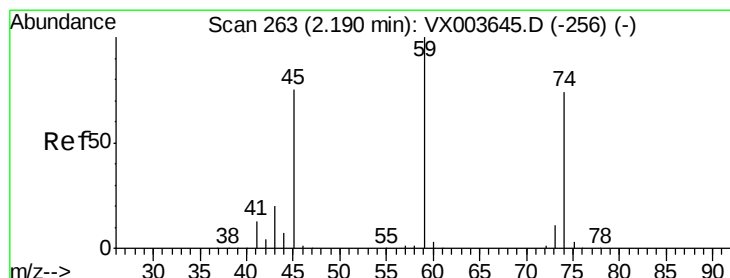
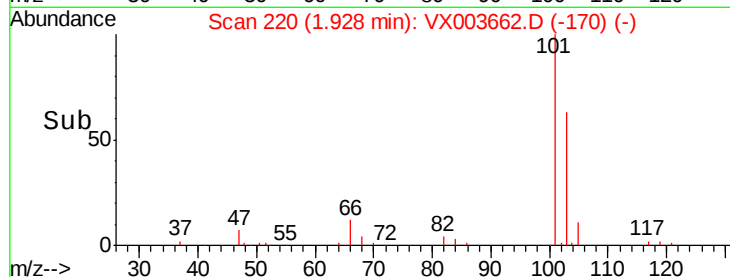
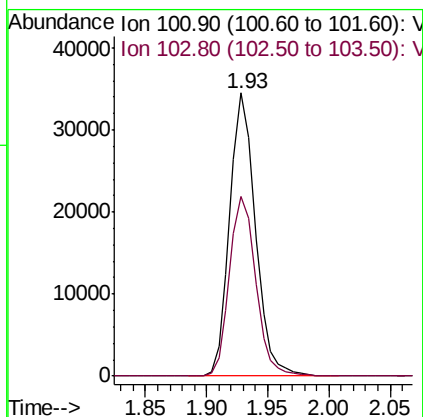
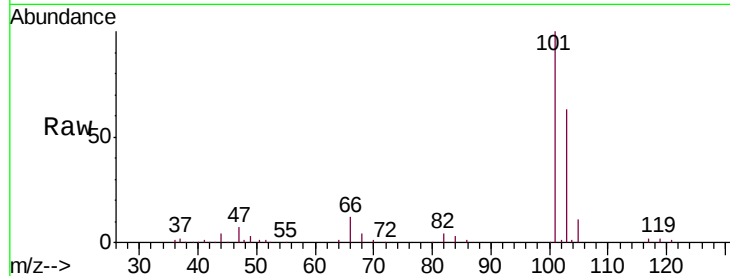
Trichlorofluoromethane
 Concen: 19.88 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX003662.D
 Acq: 25 Jul 2018 17:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0725WBSD01

Tot Ion:101 Resp: 50305
 Ion Ratio Lower Upper
 101 100
 103 63.4 53.2 79.8

Manual Integrations
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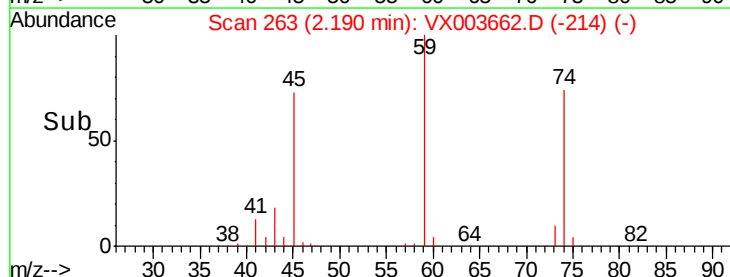
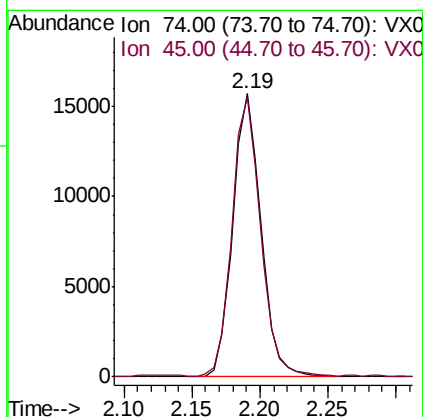
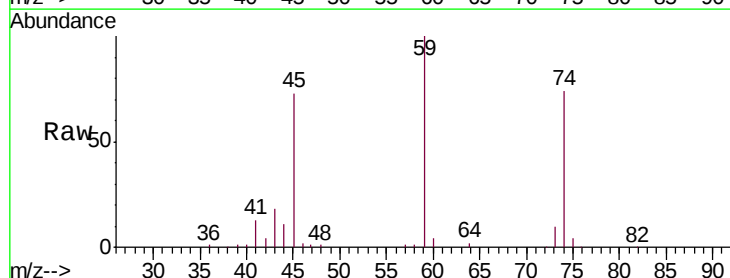
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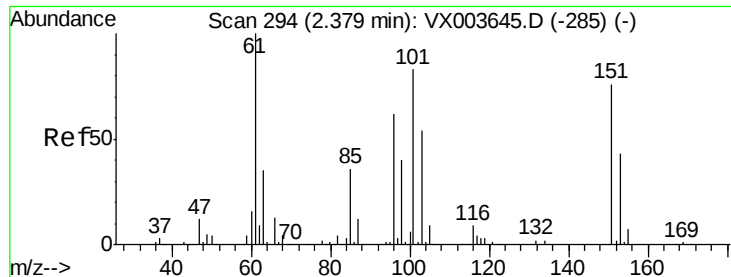


#8

Diethyl Ether
 Concen: 20.45 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VX003662.D
 Acq: 25 Jul 2018 17:16

Tgt Ion: 74 Resp: 22673
 Ion Ratio Lower Upper
 74 100
 45 99.0 51.0 153.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.16 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX003662.D

Acq: 25 Jul 2018 17:16

Instrument :

MSVOA_X

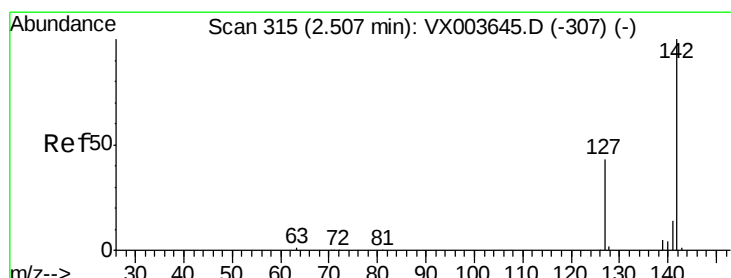
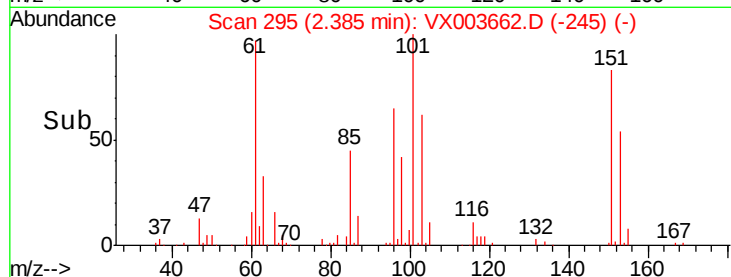
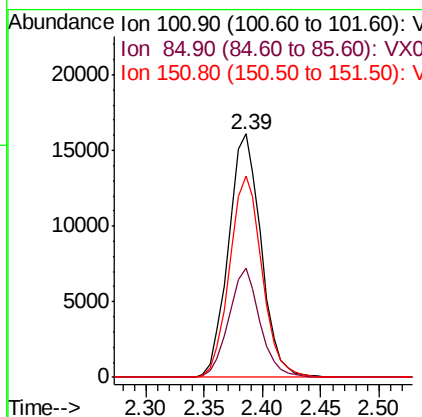
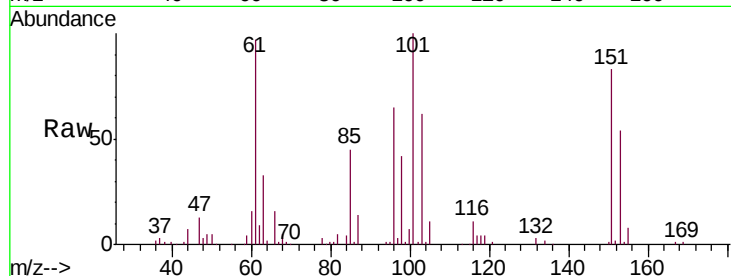
ClientSampleId :

VX0725WBSD01

Tot Ion:	101	Resp:	31399
Ion Ratio	Lower	Upper	
101	100		
85	42.7	34.6	52.0
151	82.3	67.5	101.3

Manual Integrations
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#10

Methyl Iodide

Concen: 21.73 ug/l

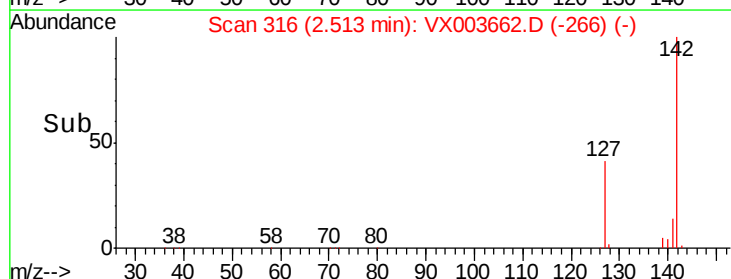
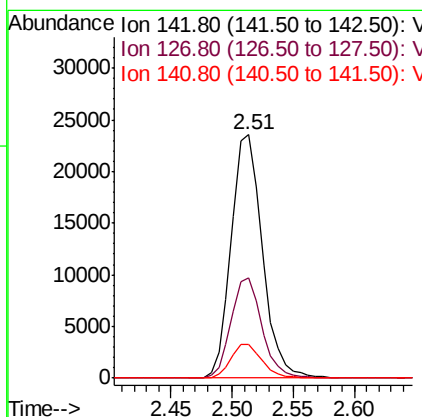
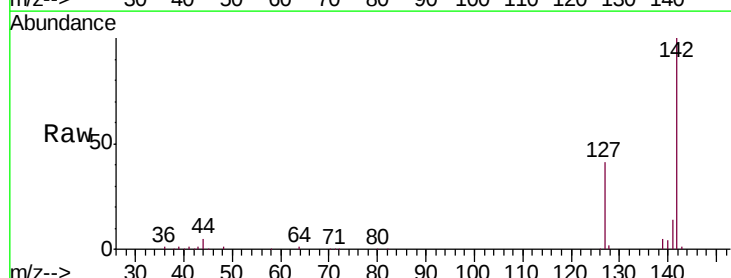
RT: 2.51 min Scan# 316

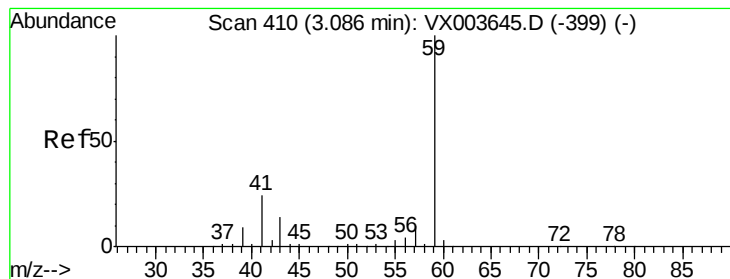
Delta R.T. 0.01 min

Lab File: VX003662.D

Acq: 25 Jul 2018 17:16

Tgt Ion:	142	Resp:	41598
Ion Ratio	Lower	Upper	
142	100		
127	40.8	34.0	51.0
141	13.9	11.3	16.9





#11

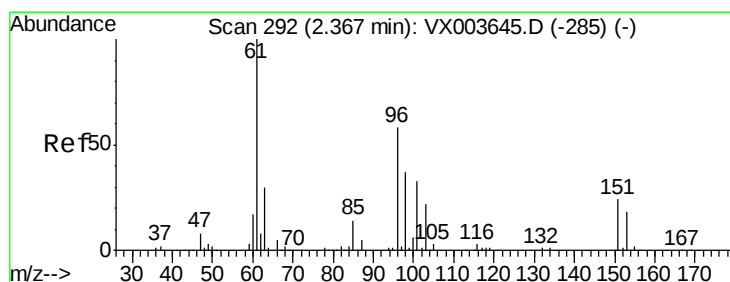
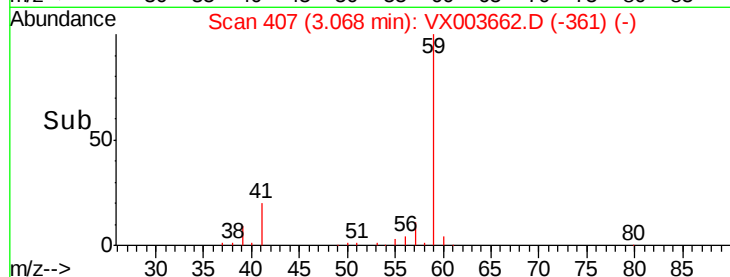
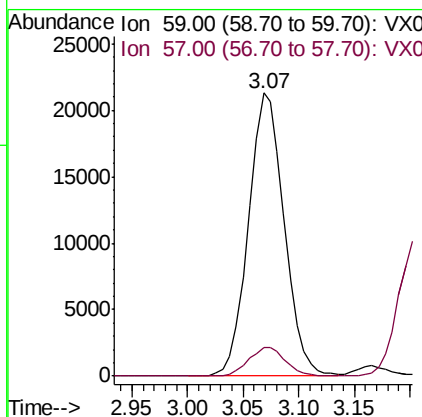
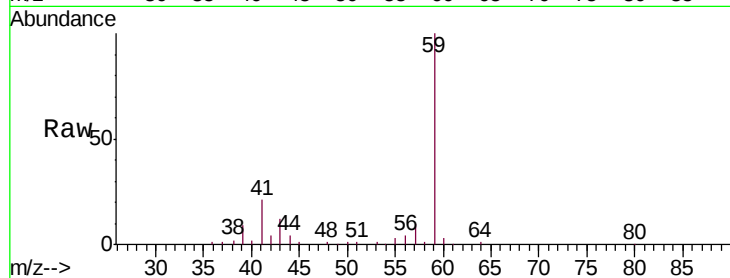
Tert butyl alcohol
 Concen: 104.84 ug/l
 RT: 3.07 min Scan# 407
 Delta R.T. -0.02 min
 Lab File: VX003662.D
 Acq: 25 Jul 2018 17:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0725WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.4

Manual Integrations
 APPROVED

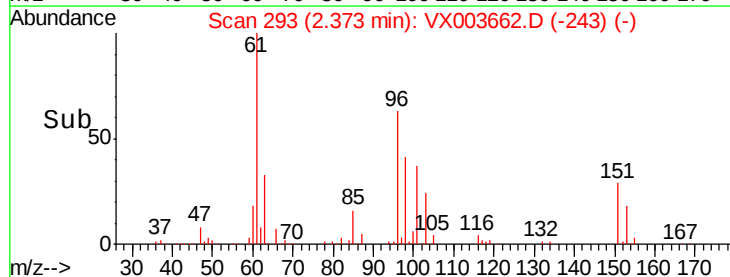
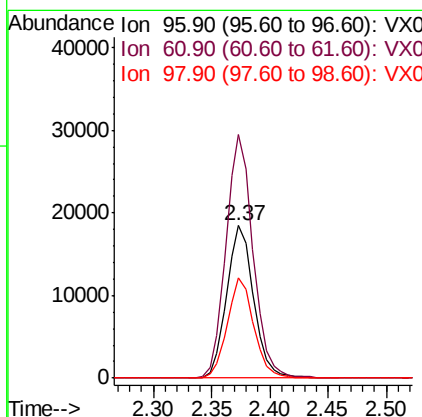
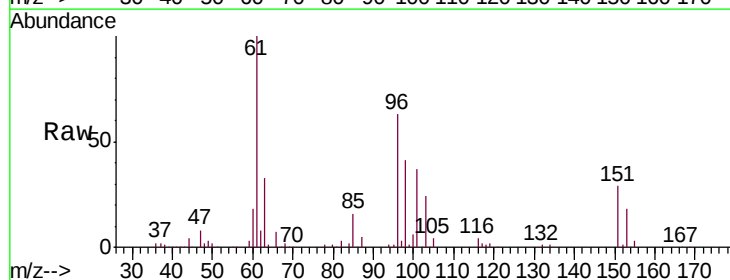
MMDadoda
 7/27/2018 5:29:52 PM

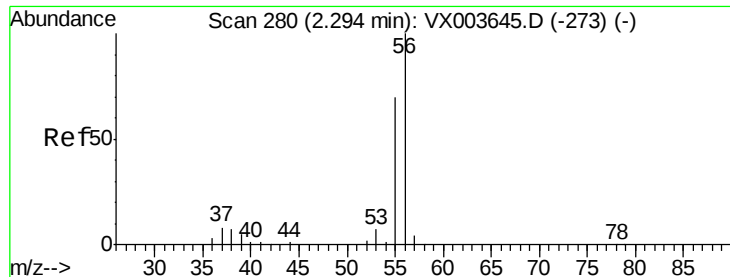


#12

1,1-Dichloroethene
 Concen: 20.14 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. 0.01 min
 Lab File: VX003662.D
 Acq: 25 Jul 2018 17:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.8	138.8	208.2
98	65.5	51.4	77.2





#13

Acrolein

Concen: 87.71 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003662.D

Acq: 25 Jul 2018 17:16

Instrument :

MSVOA_X

ClientSampleId :

VX0725WBSD01

Tot Ion: 56 Resp: 19508

Ion Ratio Lower Upper

56 100

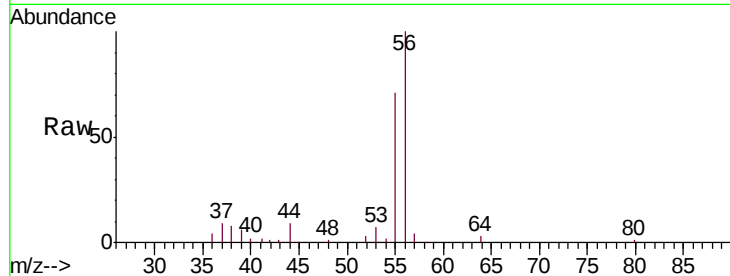
55 72.4 55.4 83.2

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

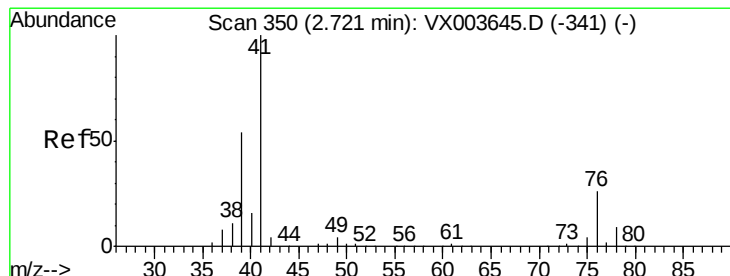
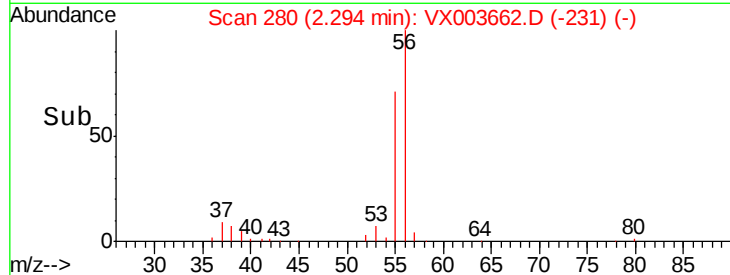
10000

5000

0

Time-->

2.20 2.25 2.30 2.35 2.40



#14

Allyl chloride

Concen: 19.70 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.01 min

Lab File: VX003662.D

Acq: 25 Jul 2018 17:16

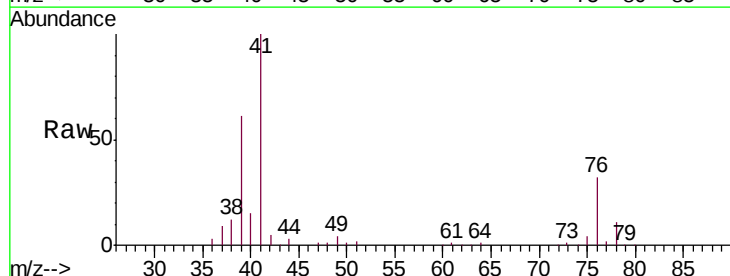
Tgt Ion: 41 Resp: 60859

Ion Ratio Lower Upper

41 100

39 58.8 45.3 67.9

76 30.4 23.8 35.6



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

2.73

40000

30000

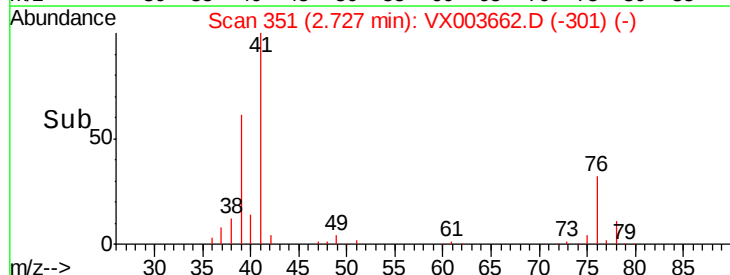
20000

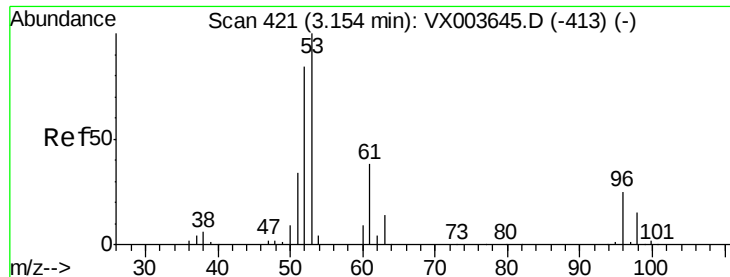
10000

0

Time-->

2.60 2.70 2.80





#15

Acrylonitrile

Concen: 99.98 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX003662.D

Acq: 25 Jul 2018 17:16

Instrument :

MSVOA_X

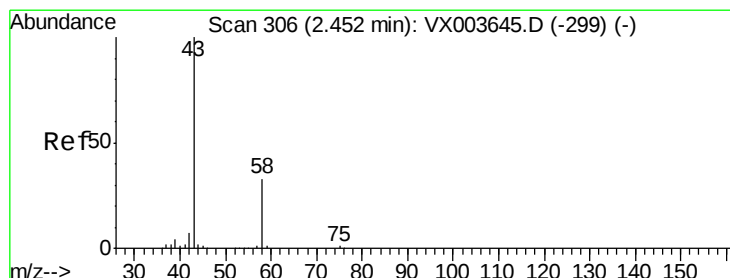
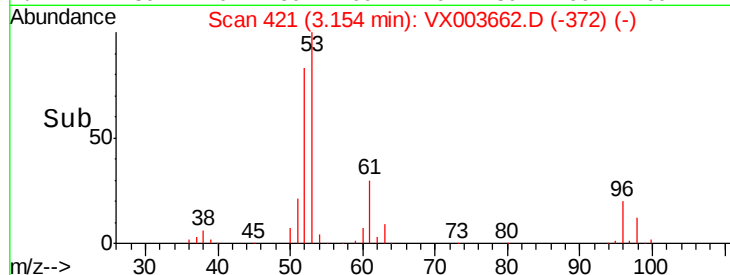
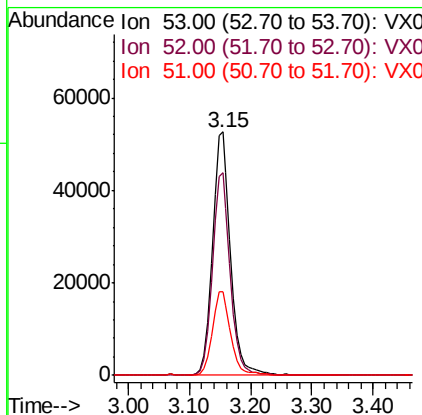
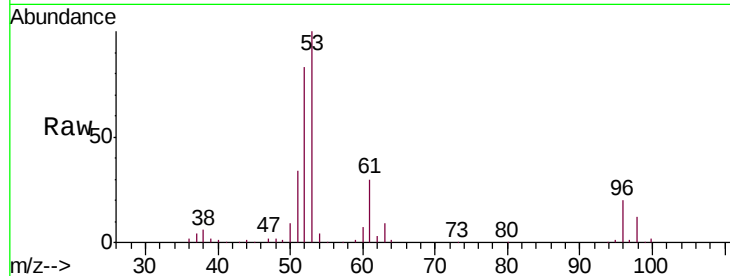
ClientSampled :

VX0725WBSD01

Tot Ion:	53	Resp:	109582
Ion Ratio	Lower	Upper	
53	100		
52	81.9	66.1	99.1
51	35.4	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 93.99 ug/l

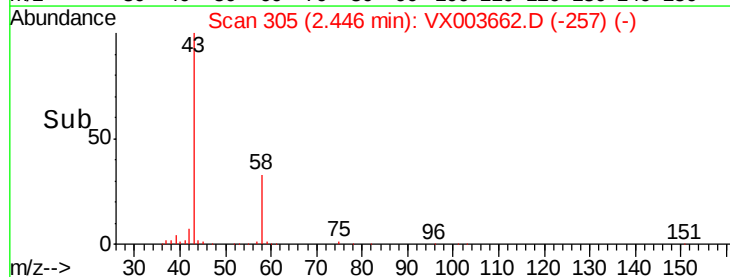
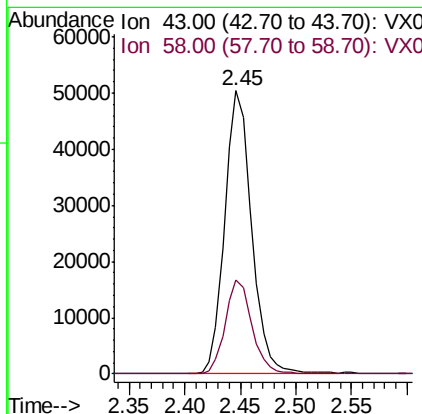
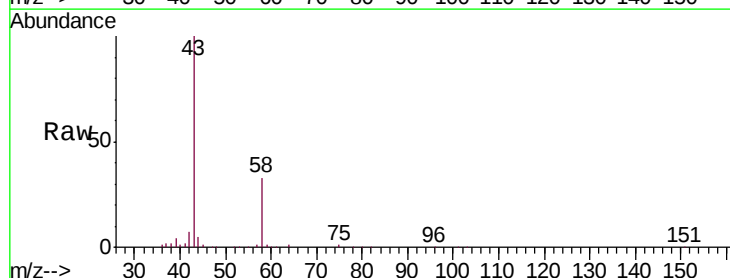
RT: 2.45 min Scan# 305

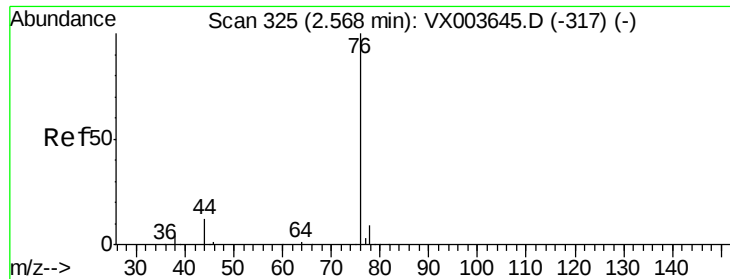
Delta R.T. -0.01 min

Lab File: VX003662.D

Acq: 25 Jul 2018 17:16

Tgt Ion:	43	Resp:	83800
Ion Ratio	Lower	Upper	
43	100		
58	33.3	26.1	39.1





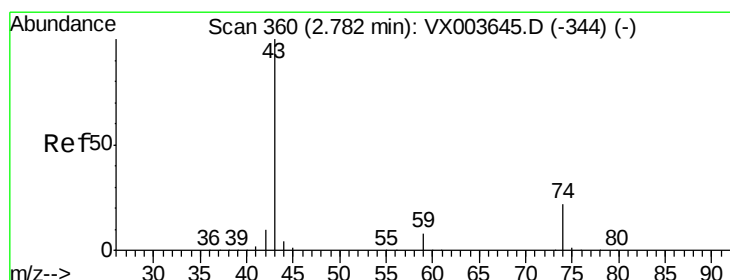
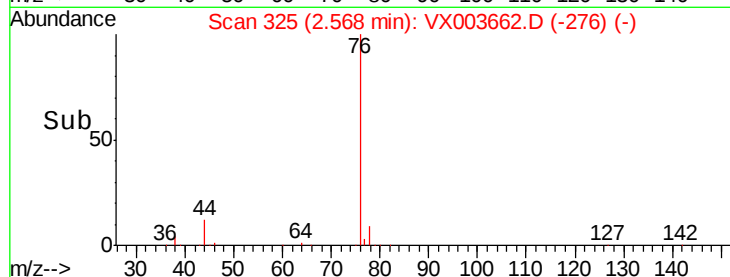
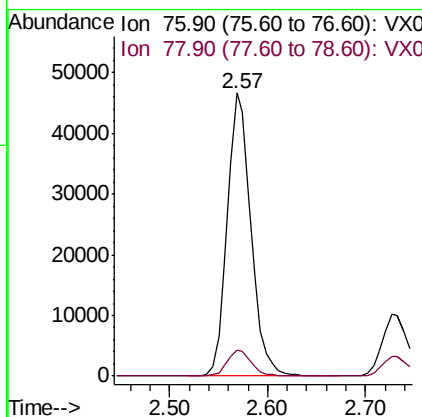
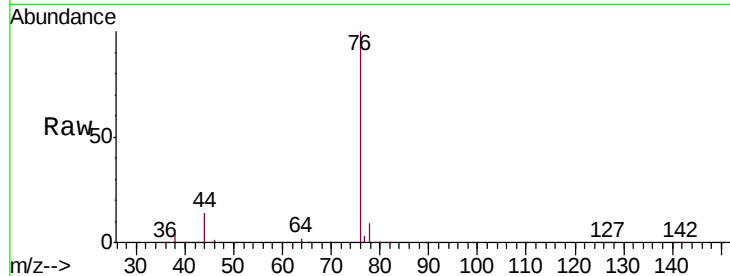
#17
Carbon Disulfide
Concen: 18.39 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX003662.D
Acq: 25 Jul 2018 17:16

Instrument :
MSVOA_X
ClientSampleId :
VX0725WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.0

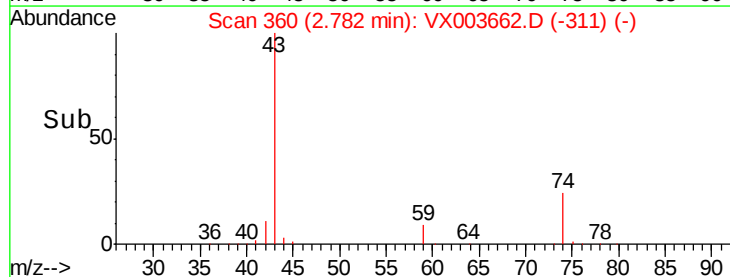
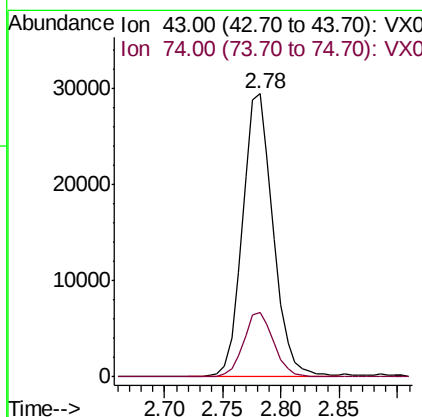
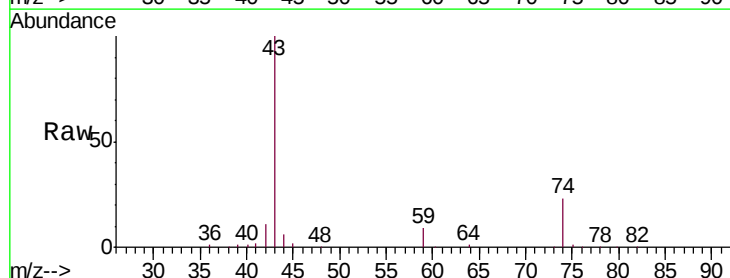
Manual Integrations
APPROVED

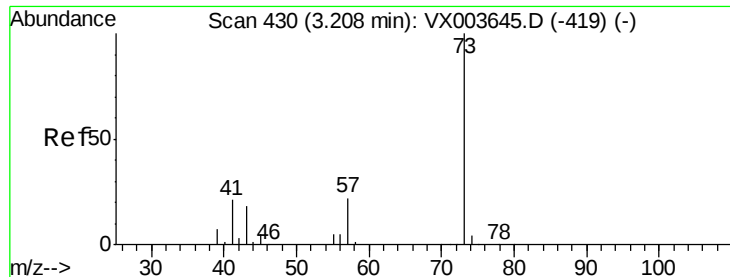
MMDadoda
7/27/2018 5:29:52 PM



#18
Methyl Acetate
Concen: 19.89 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX003662.D
Acq: 25 Jul 2018 17:16

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.0	17.8	26.8





#19

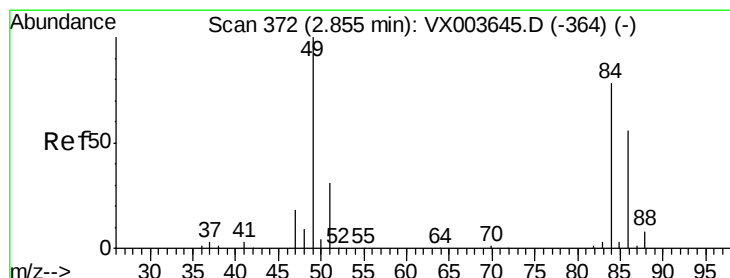
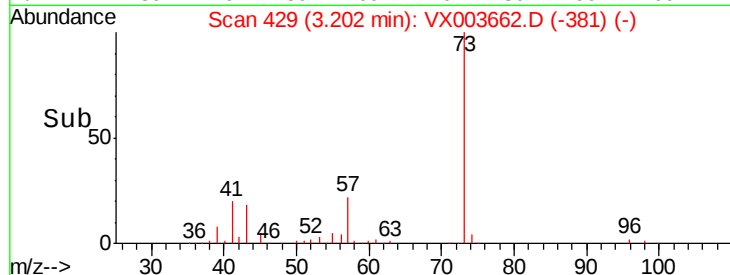
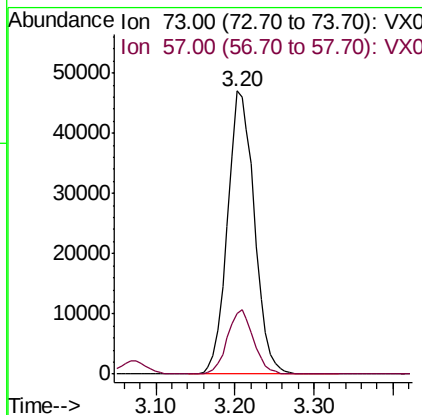
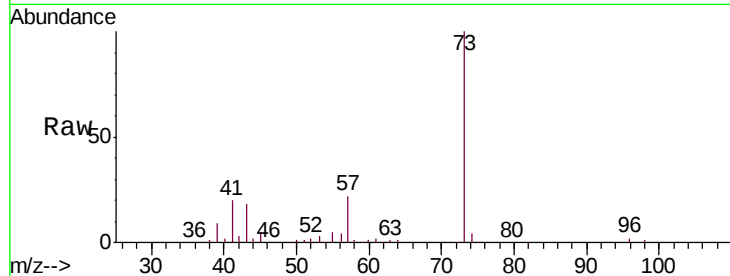
Methyl tert-butyl Ether
 Concen: 21.20 ug/l
 RT: 3.20 min Scan# 429
 Delta R.T. -0.01 min
 Lab File: VX003662.D
 Acq: 25 Jul 2018 17:16

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0725WBSD01

Tot Ion: 73 Resp: 110976
 Ion Ratio Lower Upper
 73 100
 57 21.6 17.4 26.2

Manual Integrations
 APPROVED

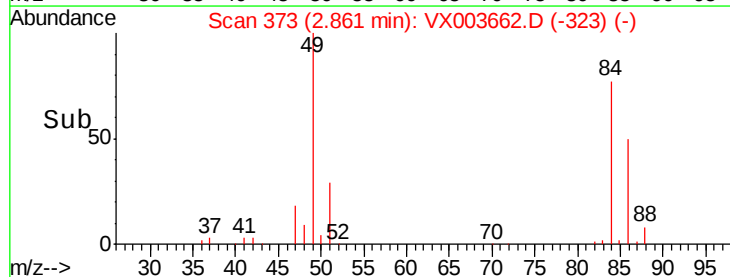
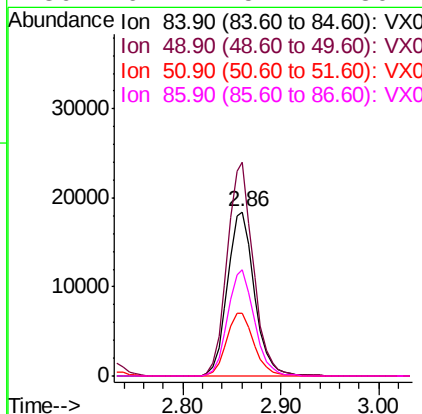
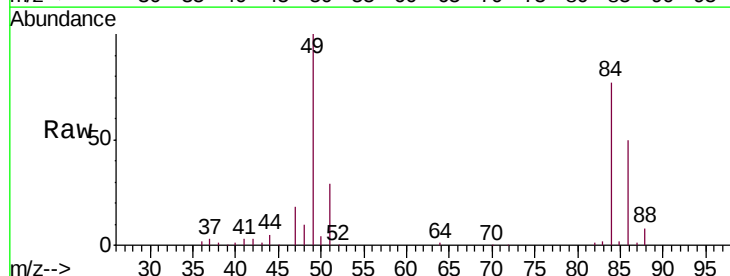
MMDadoda
 7/27/2018 5:29:52 PM

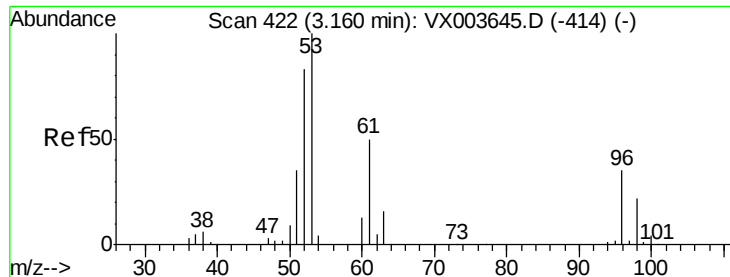


#20

Methylene Chloride
 Concen: 19.96 ug/l
 RT: 2.86 min Scan# 373
 Delta R.T. 0.01 min
 Lab File: VX003662.D
 Acq: 25 Jul 2018 17:16

Tgt Ion: 84 Resp: 35257
 Ion Ratio Lower Upper
 84 100
 49 129.9 102.3 153.5
 51 38.0 31.8 47.8
 86 64.4 57.4 86.2





#21

trans-1,2-Dichloroethene

Concen: 20.57 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX003662.D

Acq: 25 Jul 2018 17:16

Instrument :

MSVOA_X

ClientSampleId :

VX0725WBSD01

Tot Ion: 96 Resp: 32780

Ion Ratio Lower Upper

96 100

61 129.9 115.0 172.4

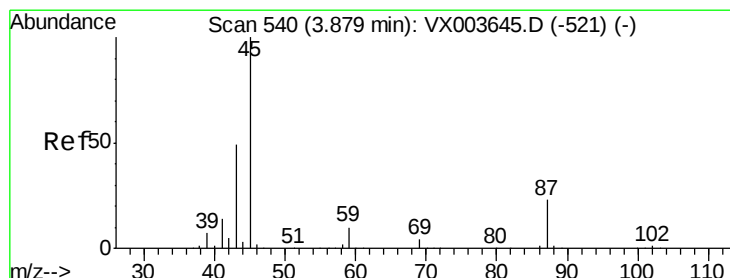
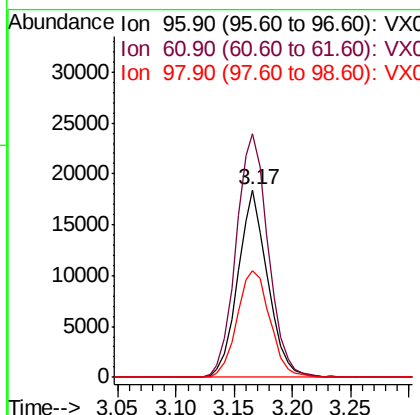
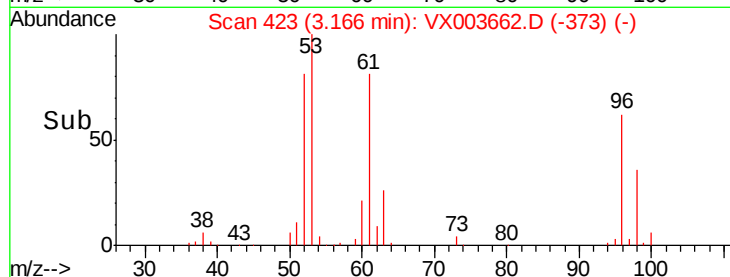
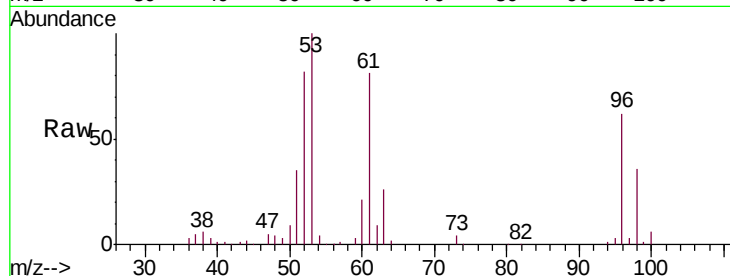
98 57.2 49.7 74.5

Manual Integrations

APPROVED

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#22

Diisopropyl ether

Concen: 20.73 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.01 min

Lab File: VX003662.D

Acq: 25 Jul 2018 17:16

Tgt Ion: 45 Resp: 116900

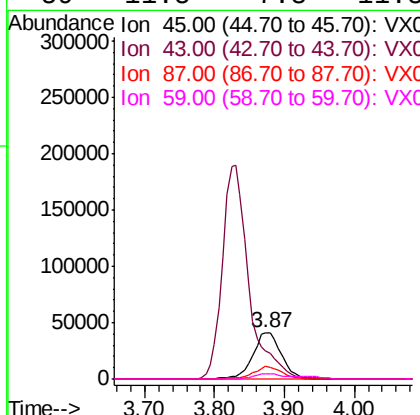
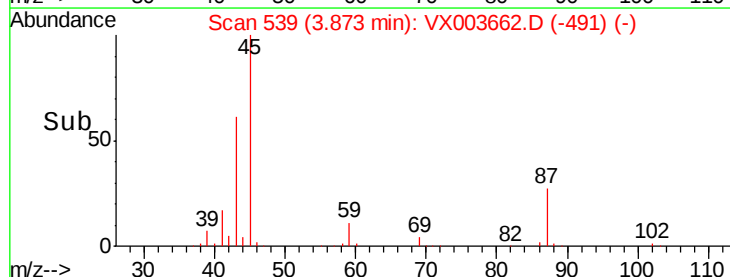
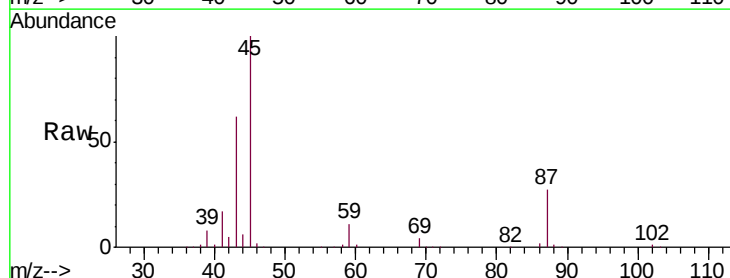
Ion Ratio Lower Upper

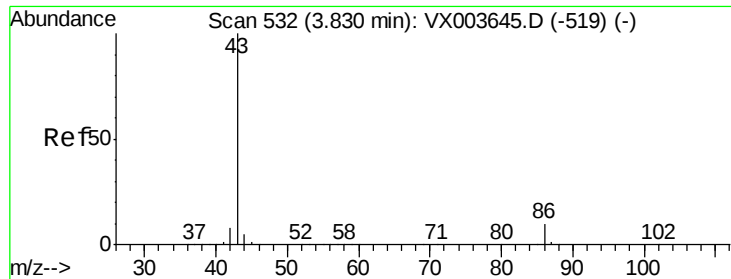
45 100

43 61.4 39.0 58.4#

87 26.6 18.4 27.6

59 11.5 7.8 11.8





#23

Vinyl Acetate

Concen: 103.29 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX003662.D

Acq: 25 Jul 2018 17:16

Instrument :

MSVOA_X

ClientSampleId :

VX0725WBSD01

Tot Ion: 43 Resp: 499051

Ion Ratio Lower Upper

43 100

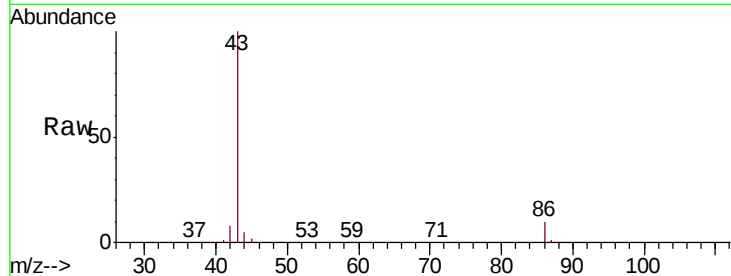
86 10.0 7.7 11.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

200000

150000

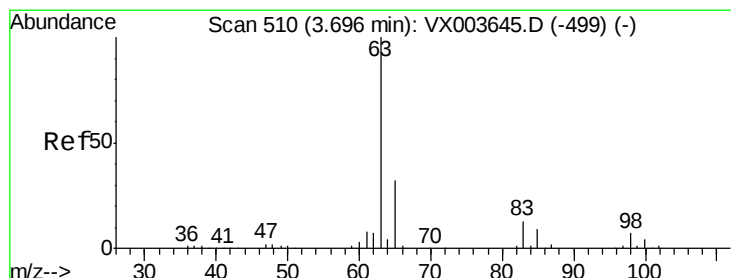
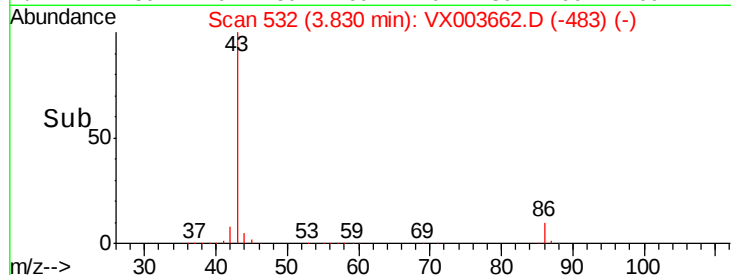
100000

50000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 19.96 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX003662.D

Acq: 25 Jul 2018 17:16

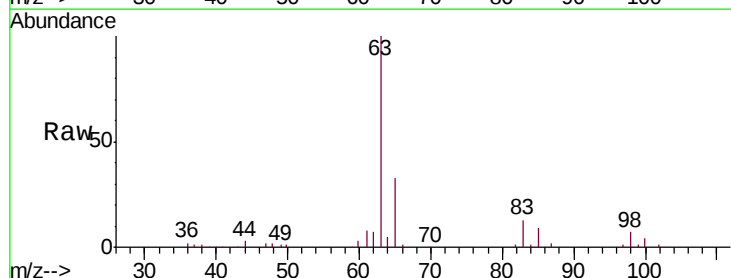
Tgt Ion: 63 Resp: 63454

Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.8

100 4.2 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

30000

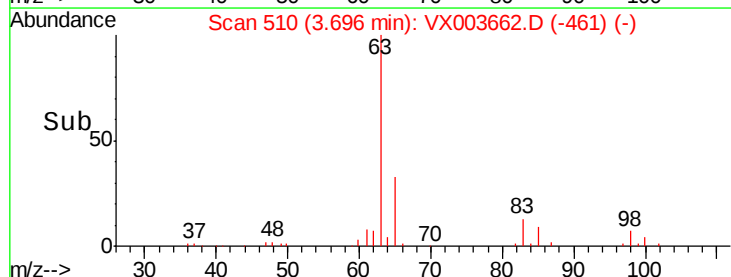
20000

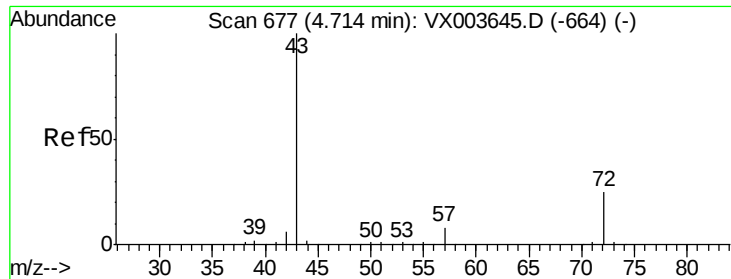
10000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 98.83 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX003662.D

Acq: 25 Jul 2018 17:16

Instrument :

MSVOA_X

ClientSampleId :

VX0725WBSD01

Tot Ion: 43 Resp: 136114

Ion Ratio Lower Upper

43 100

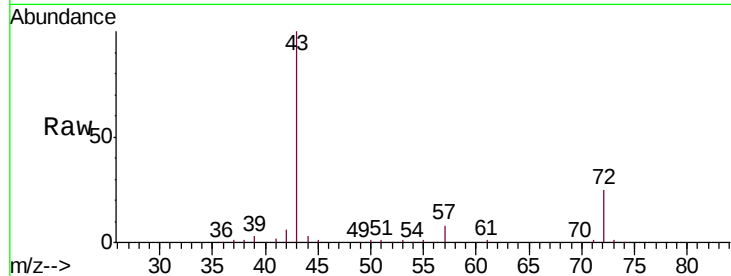
72 24.8 20.2 30.4

Manual Integrations

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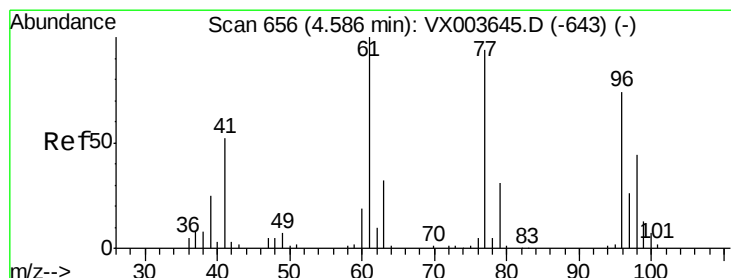
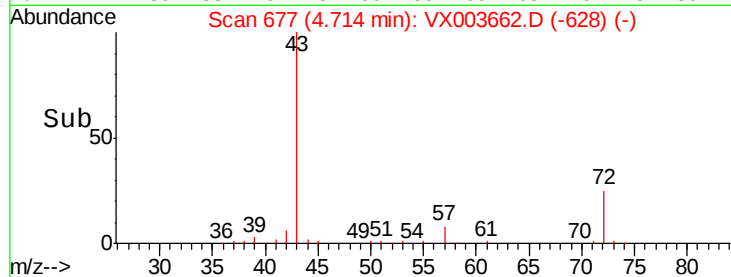
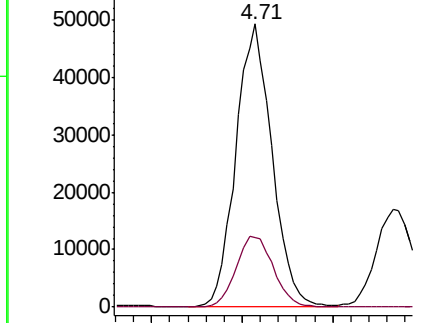
MMDadoda

7/27/2018 5:29:52 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 21.70 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX003662.D

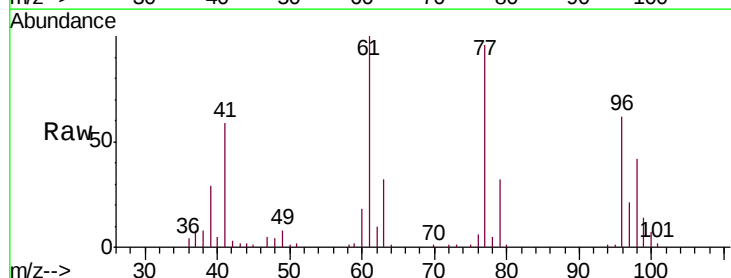
Acq: 25 Jul 2018 17:16

Tgt Ion: 77 Resp: 43617

Ion Ratio Lower Upper

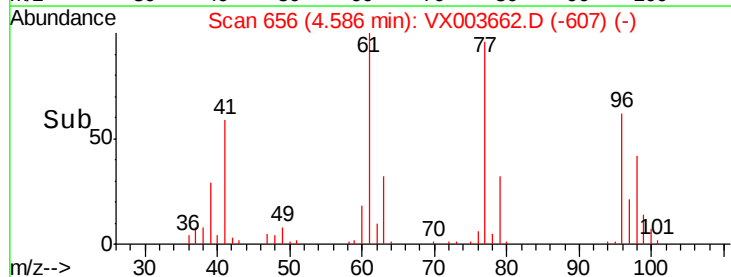
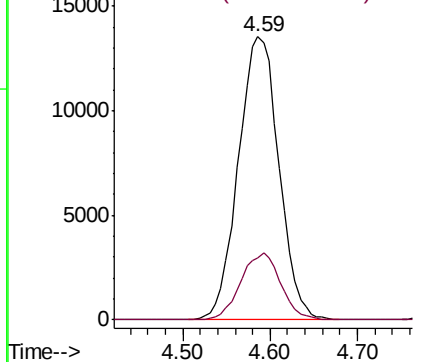
77 100

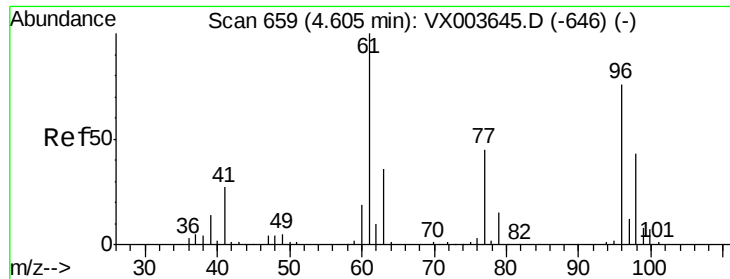
97 23.4 12.0 36.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

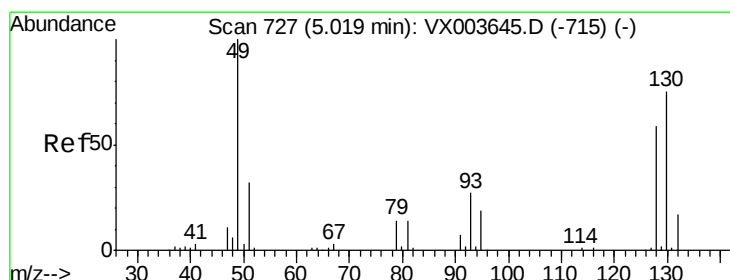
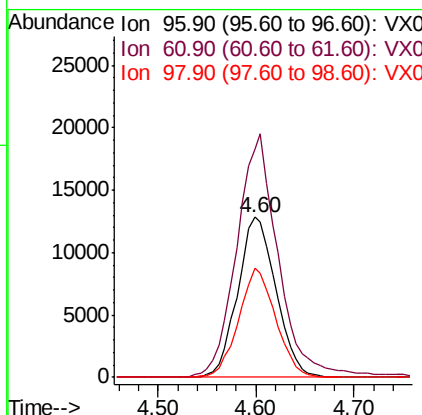
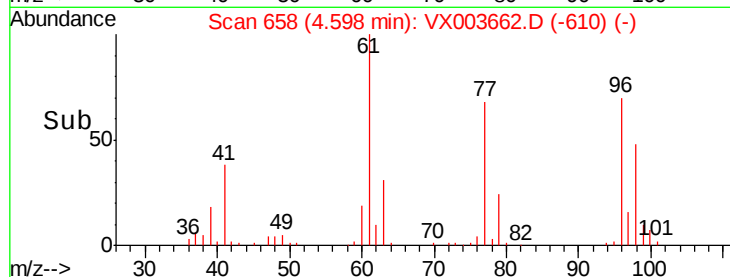
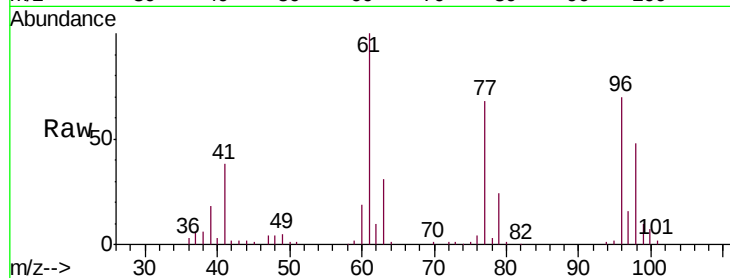
cis-1,2-Dichloroethene
Concen: 20.18 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.01 min
Lab File: VX003662.D
Acq: 25 Jul 2018 17:16

Instrument :
MSVOA_X
ClientSampleId :
VX0725WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	166.7	0.0	313.6
98	65.8	0.0	125.6

Manual Integrations
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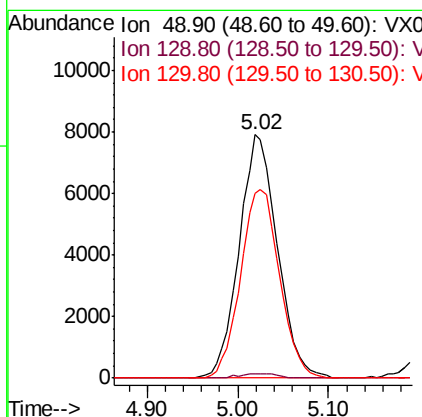
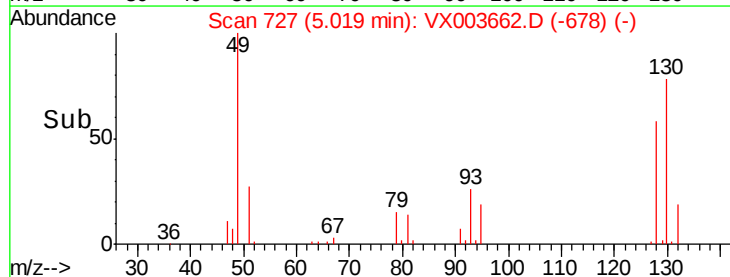
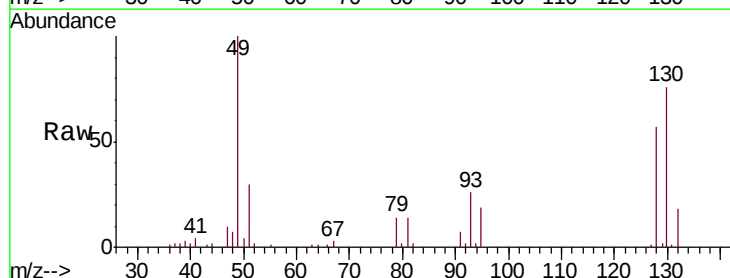
MMDadoda
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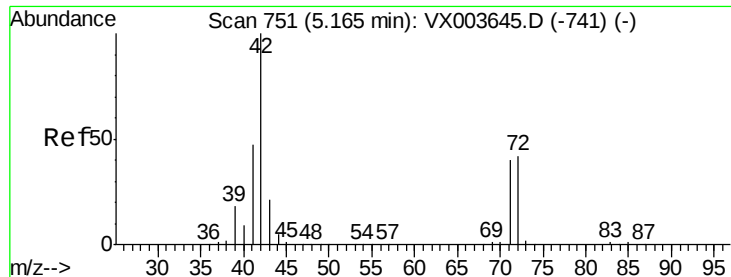


#28

Bromochloromethane
Concen: 18.11 ug/l
RT: 5.02 min Scan# 727
Delta R.T. -0.00 min
Lab File: VX003662.D
Acq: 25 Jul 2018 17:16

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.2
130	78.9	61.0	91.6





#29

Tetrahydrofuran

Concen: 95.76 ug/l

RT: 5.17 min Scan# 752

Delta R.T. 0.01 min

Lab File: VX003662.D

Acq: 25 Jul 2018 17:16

Instrument :

MSVOA_X

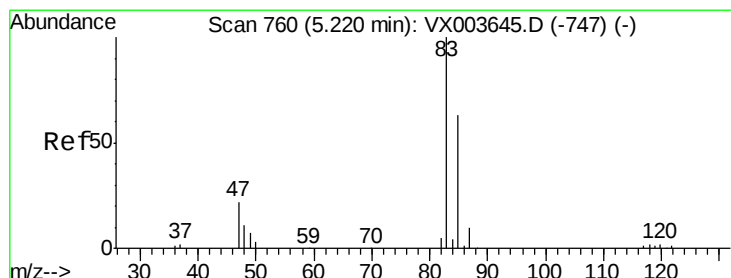
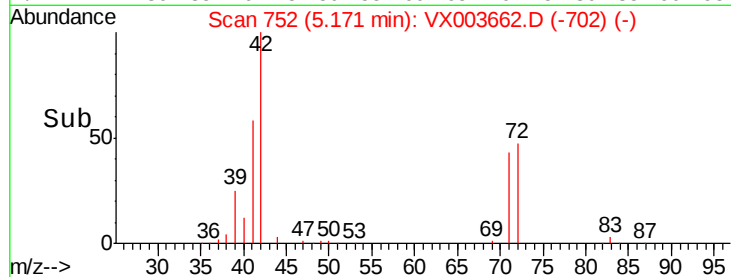
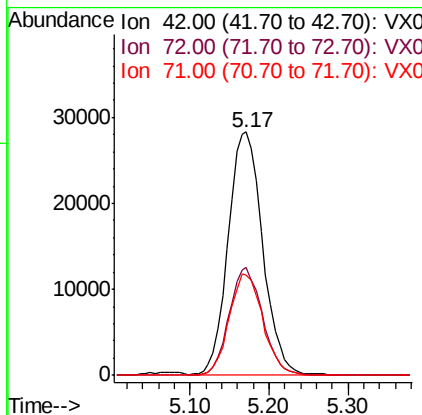
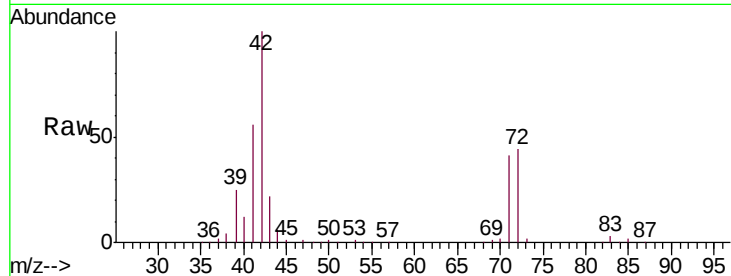
ClientSampleId :

VX0725WBSD01

Tot Ion:	42	Resp:	85856
Ion	Ratio	Lower	Upper
42	100		
72	43.2	33.4	50.0
71	40.7	31.0	46.6

Manual Integrations
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#30

Chloroform

Concen: 19.27 ug/l

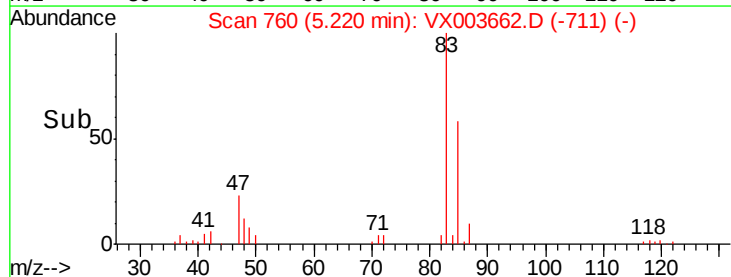
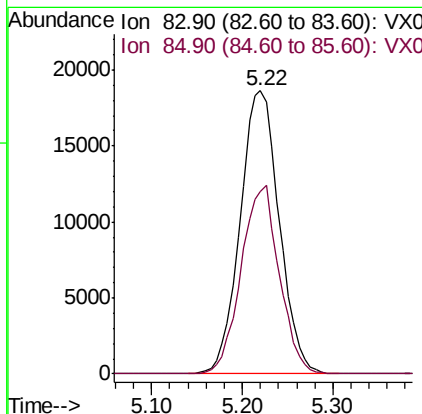
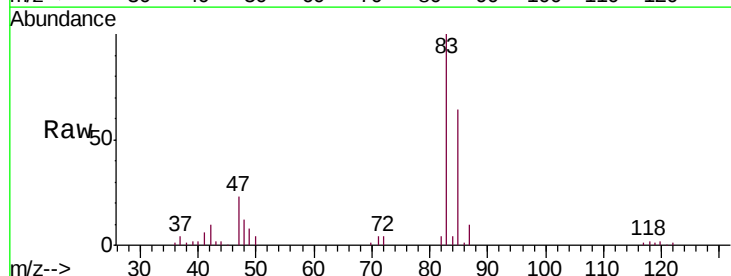
RT: 5.22 min Scan# 760

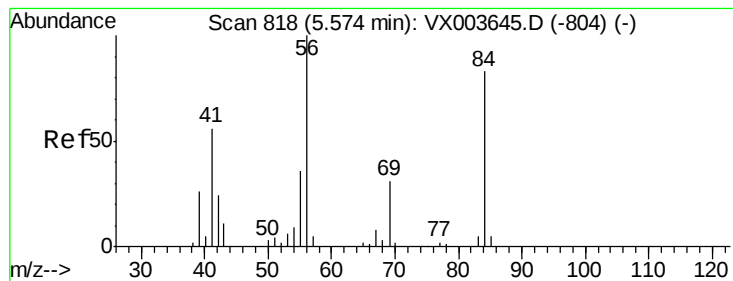
Delta R.T. -0.00 min

Lab File: VX003662.D

Acq: 25 Jul 2018 17:16

Tgt Ion:	83	Resp:	55559
Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.2	75.4





#31

Cyclohexane

Concen: 18.51 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX003662.D

Acq: 25 Jul 2018 17:16

Instrument :

MSVOA_X

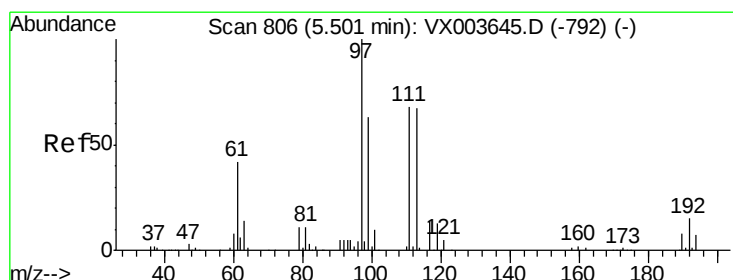
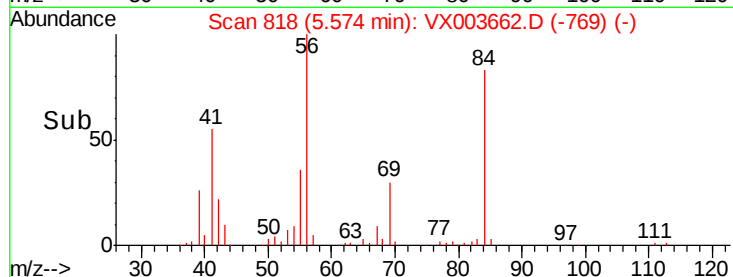
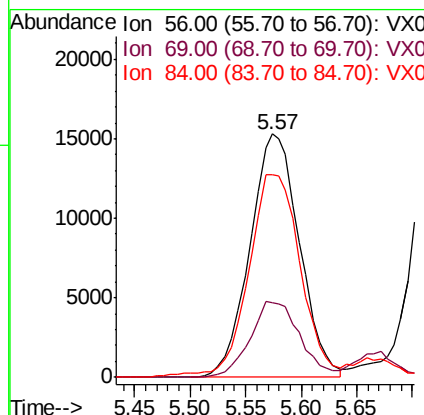
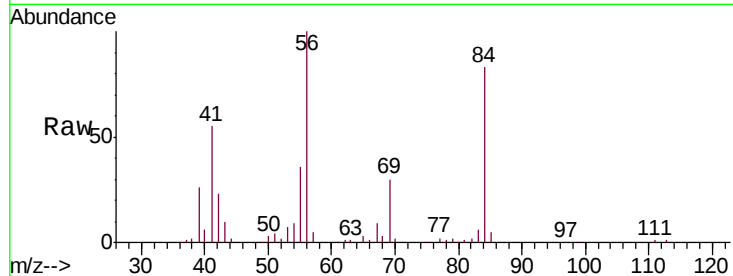
ClientSampleId :

VX0725WBSD01

Tot Ion:	56	Resp:	47229
Ion Ratio	Lower	Upper	
56	100		
69	30.5	25.0	37.6
84	81.6	66.5	99.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.63 ug/l

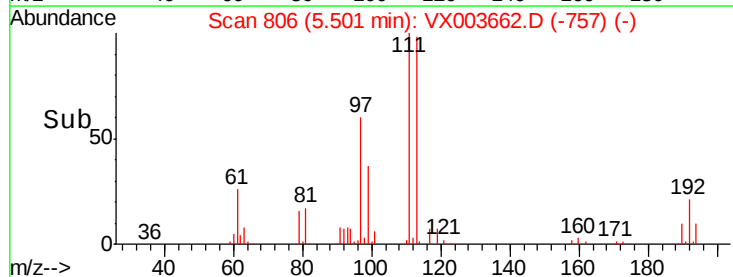
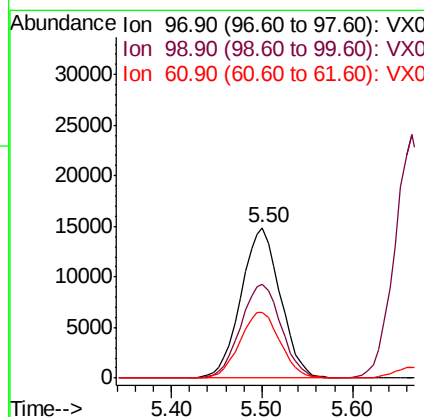
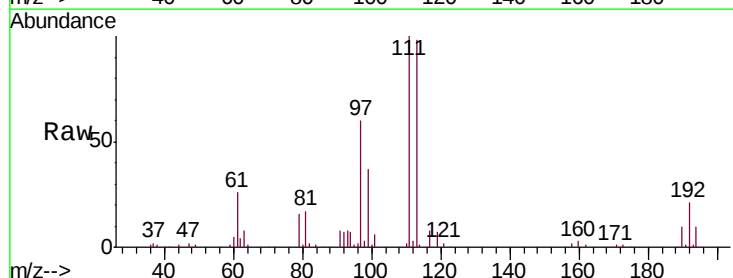
RT: 5.50 min Scan# 806

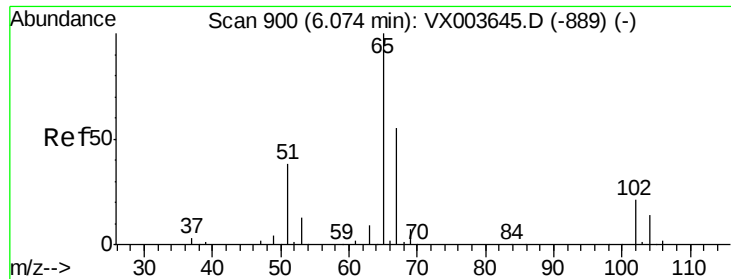
Delta R.T. -0.00 min

Lab File: VX003662.D

Acq: 25 Jul 2018 17:16

Tgt Ion:	97	Resp:	44611
Ion Ratio	Lower	Upper	
97	100		
99	64.4	50.4	75.6
61	44.9	34.5	51.7





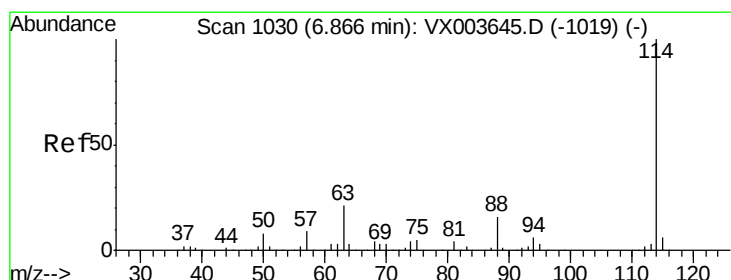
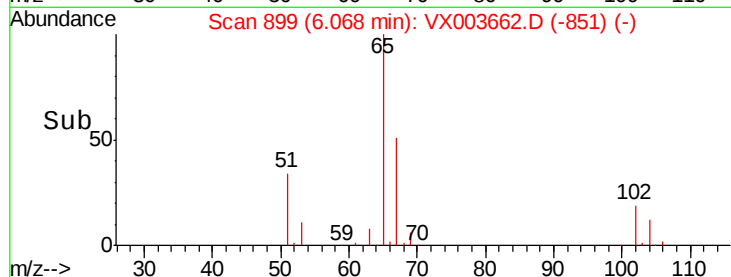
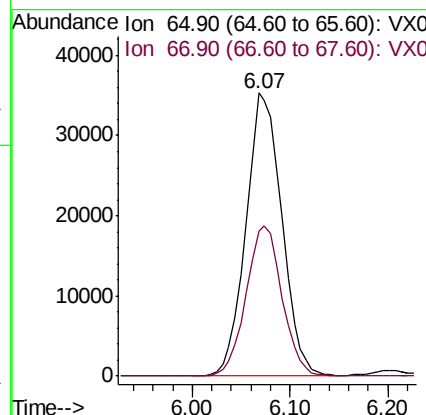
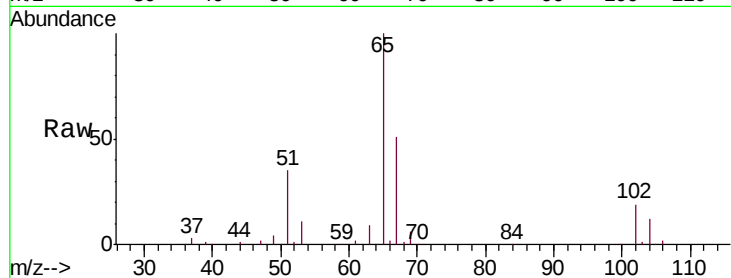
#33
 1,2-Dichloroethane-d4
 Concen: 47.35 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VX003662.D
 Acq: 25 Jul 2018 17:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0725WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	107.8

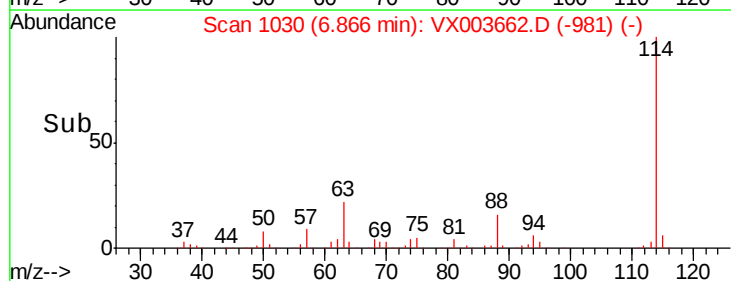
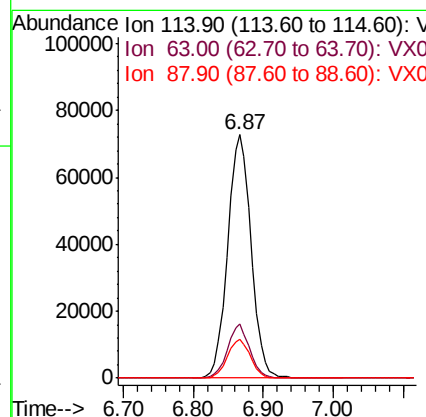
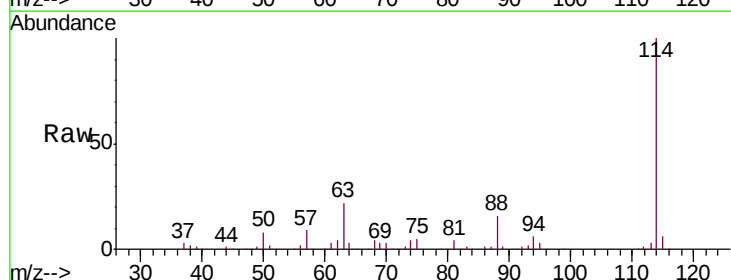
Manual Integrations
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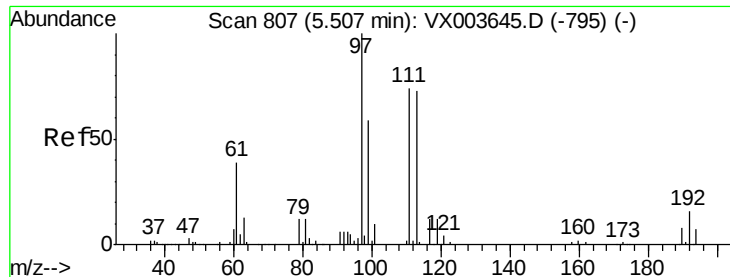
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003662.D
 Acq: 25 Jul 2018 17:16

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	41.0
88	16.0	0.0	31.8





#35

Dibromofluoromethane

Concen: 52.96 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX003662.D

Acq: 25 Jul 2018 17:16

Instrument :

MSVOA_X

ClientSampleId :

VX0725WBSD01

Tot Ion:113 Resp: 73098

Ion Ratio Lower Upper

113 100

111 101.6 81.2 121.8

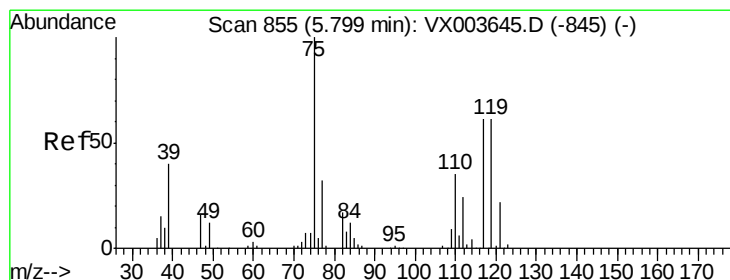
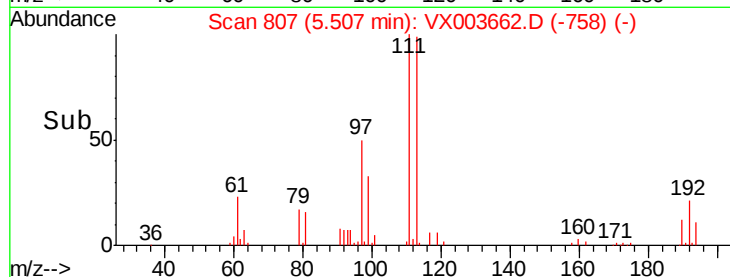
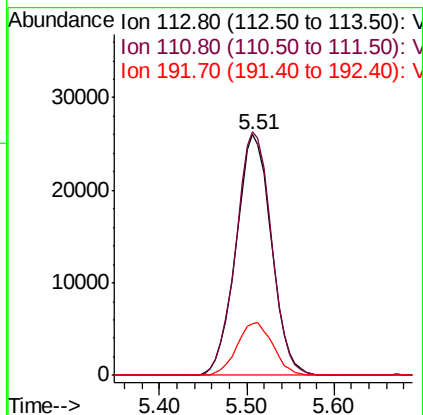
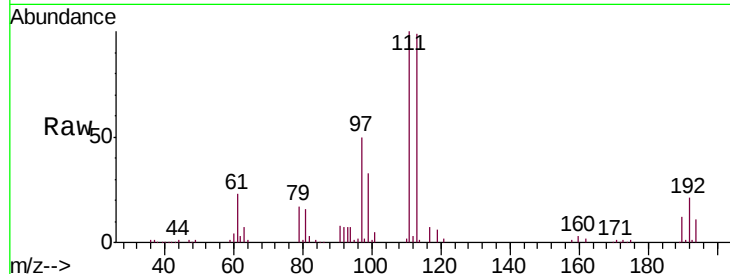
192 22.3 18.2 27.4

Manual Integrations

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#36

1,1-Dichloropropene

Concen: 20.44 ug/l

RT: 5.81 min Scan# 856

Delta R.T. 0.01 min

Lab File: VX003662.D

Acq: 25 Jul 2018 17:16

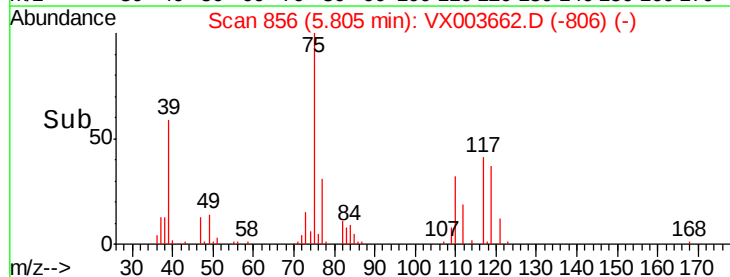
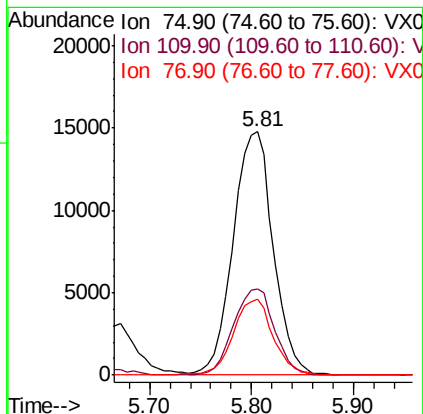
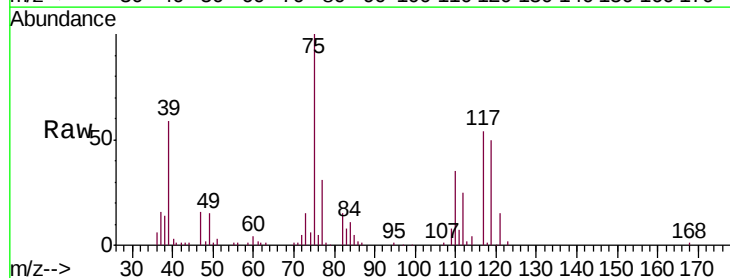
Tgt Ion: 75 Resp: 40350

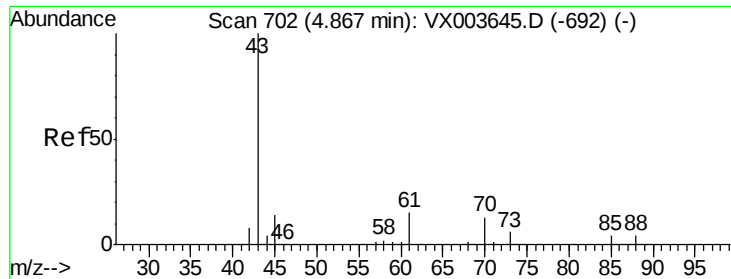
Ion Ratio Lower Upper

75 100

110 36.1 18.1 54.1

77 30.9 25.1 37.7





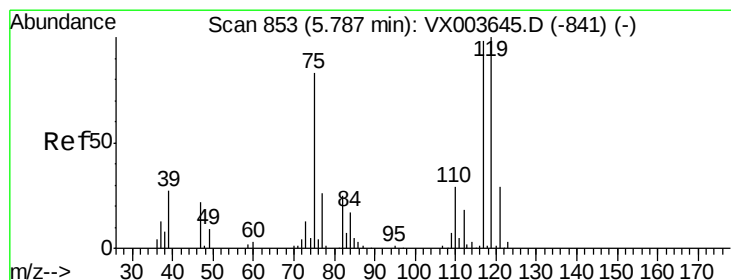
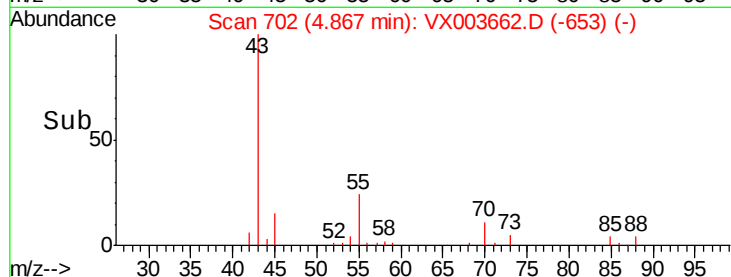
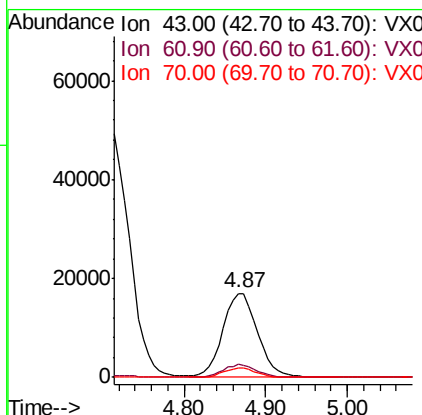
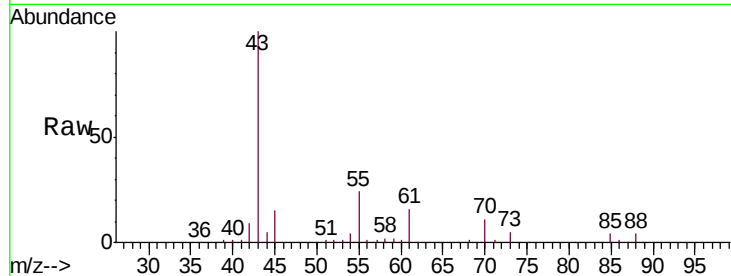
#37
Ethyl Acetate
Concen: 20.89 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.00 min
Lab File: VX003662.D
Acq: 25 Jul 2018 17:16

Instrument :
MSVOA_X
ClientSampleId :
VX0725WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.9	17.9
70	10.9	8.6	12.8

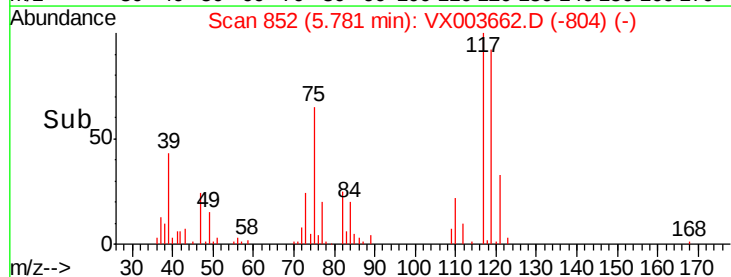
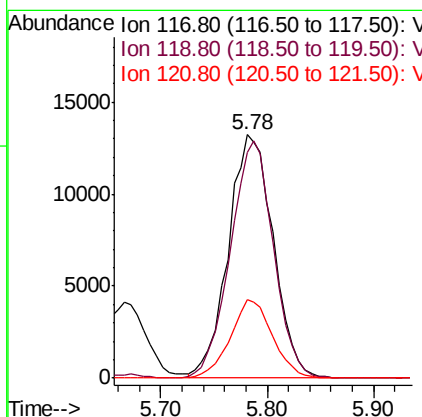
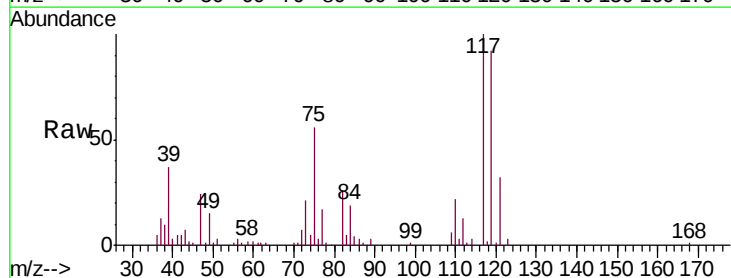
Manual Integrations
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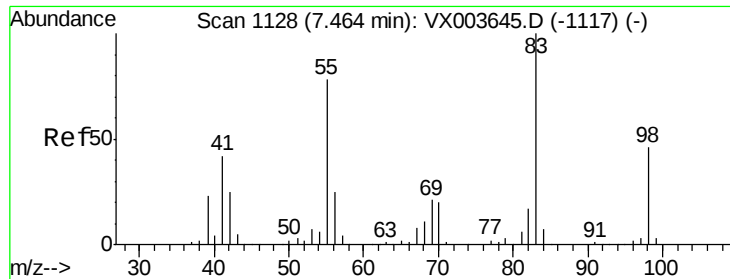
MMDadoda
7/27/2018 5:29:52 PM



#38
Carbon Tetrachloride
Concen: 20.47 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX003662.D
Acq: 25 Jul 2018 17:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.5	81.0	121.4
121	32.3	23.7	35.5





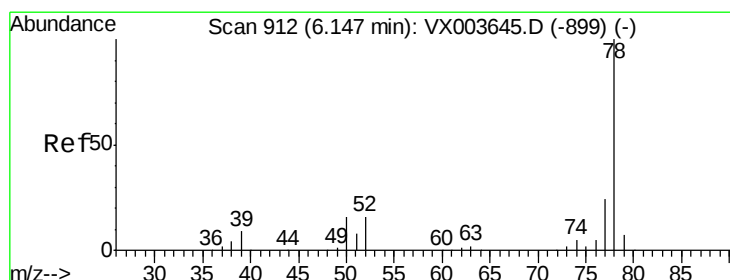
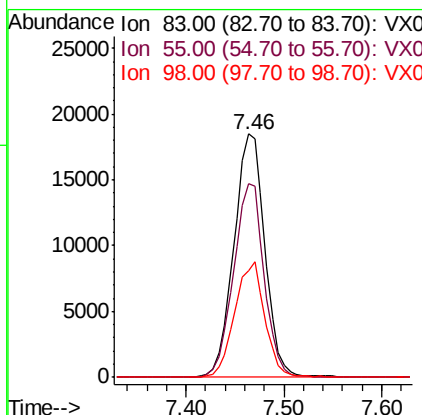
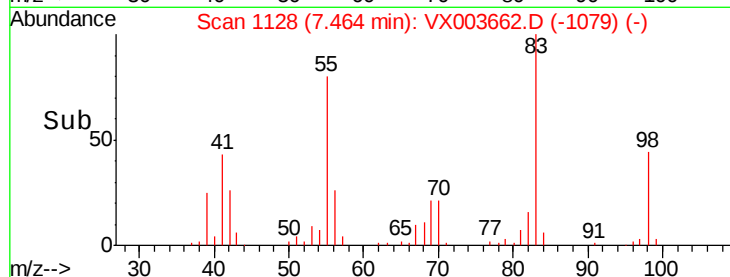
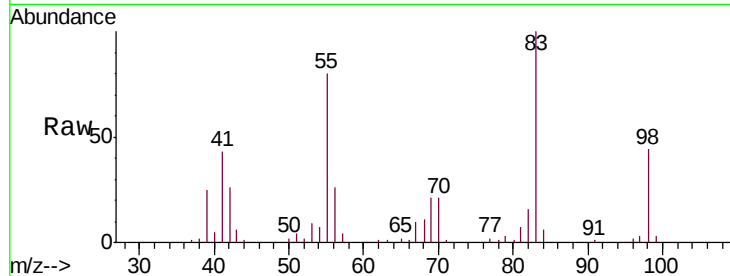
#39
Methylvlcvclohexane
Concen: 18.70 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX003662.D
Acq: 25 Jul 2018 17:16

Instrument :
MSVOA_X
ClientSampleId :
VX0725WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.5	62.6	93.8
98	43.7	36.6	55.0

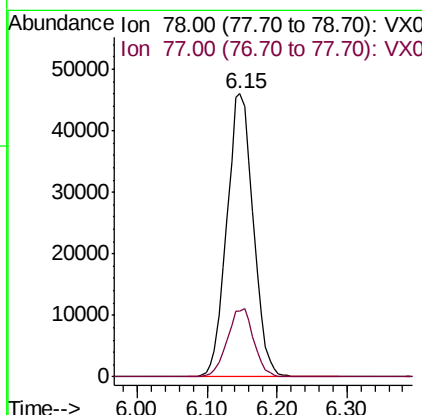
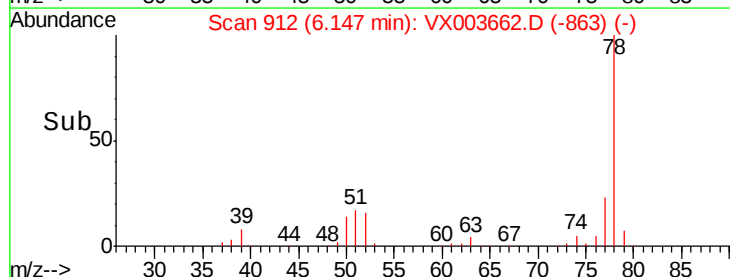
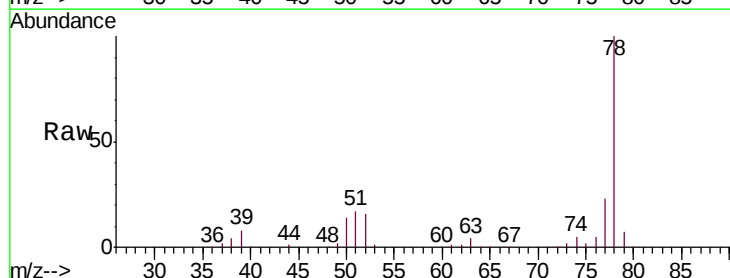
Manual Integrations
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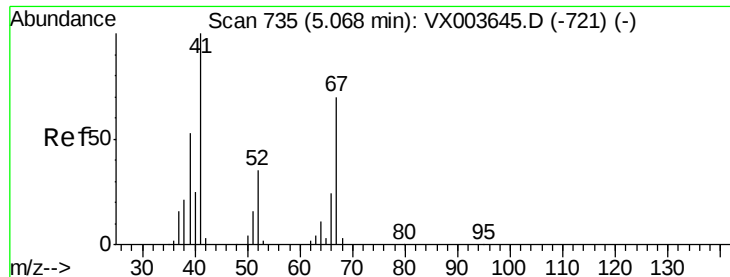
MMDadoda
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#40
Benzene
Concen: 20.74 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX003662.D
Acq: 25 Jul 2018 17:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.0	28.6





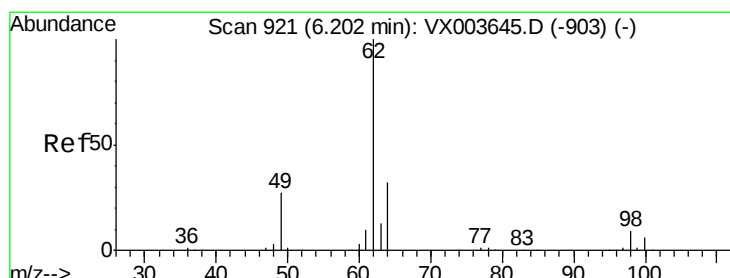
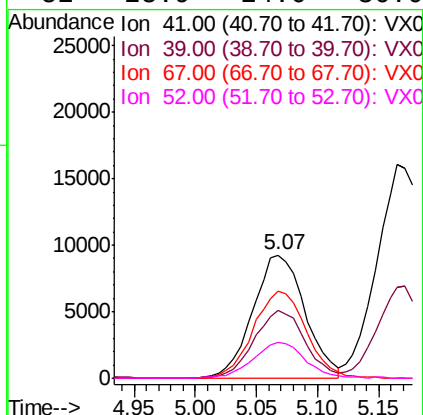
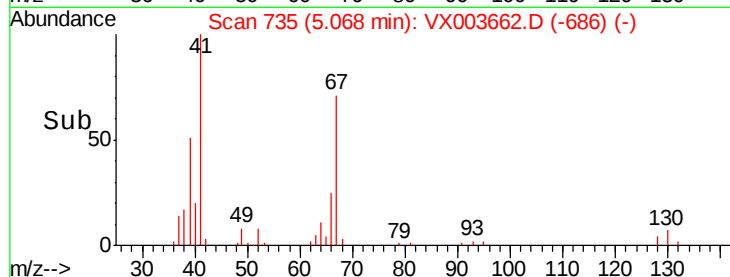
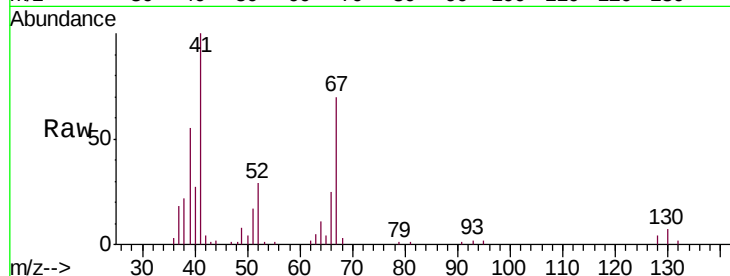
#41
Methacrylonitrile
Concen: 20.90 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX003662.D
Acq: 25 Jul 2018 17:16

Instrument :
MSVOA_X
ClientSampleId :
VX0725WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.2	42.2	63.4	
67	71.9	56.6	84.8	
52	28.9	24.0	36.0	

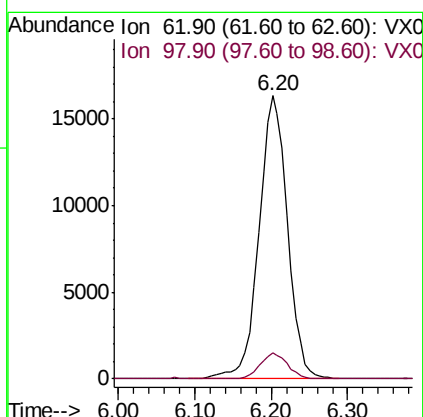
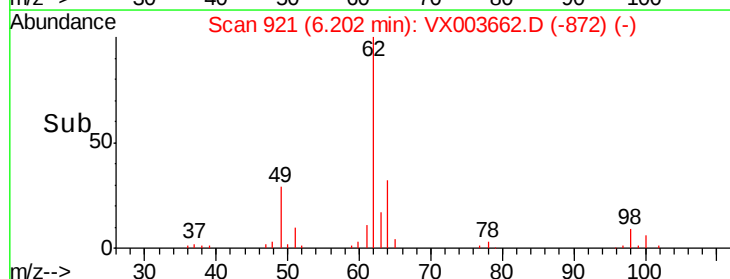
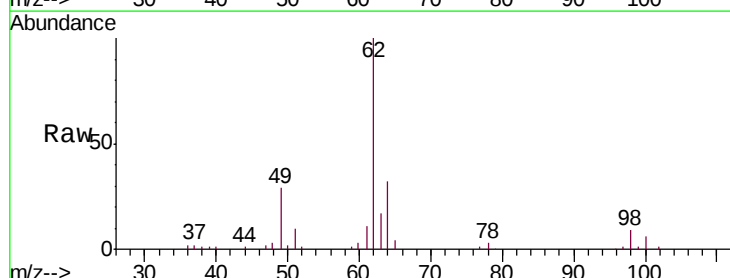
Manual Integrations
APPROVED

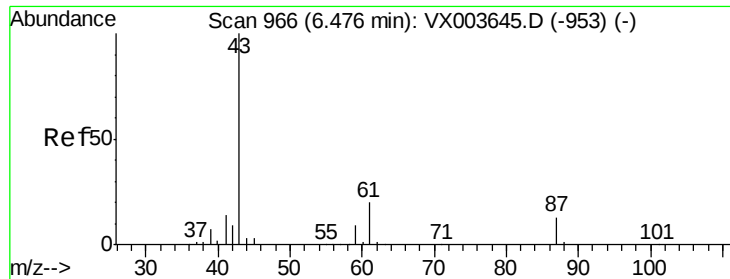
MMDadoda
7/27/2018 5:29:52 PM



#42
1,2-Dichloroethane
Concen: 20.62 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX003662.D
Acq: 25 Jul 2018 17:16

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.8	0.0	18.4	





#43

Isopropyl Acetate

Concen: 20.25 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX003662.D

Acq: 25 Jul 2018 17:16

Instrument :

MSVOA_X

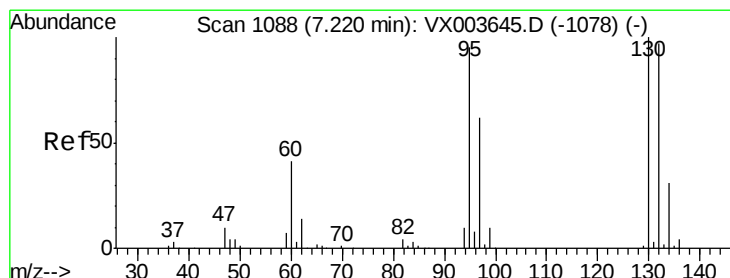
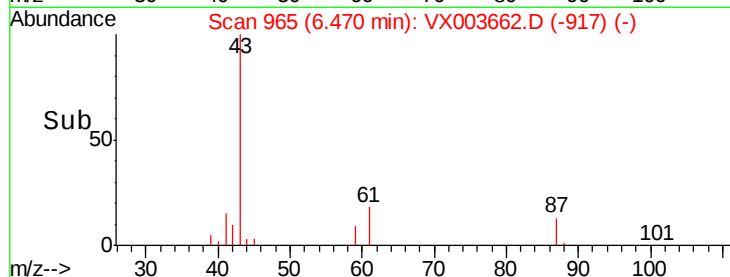
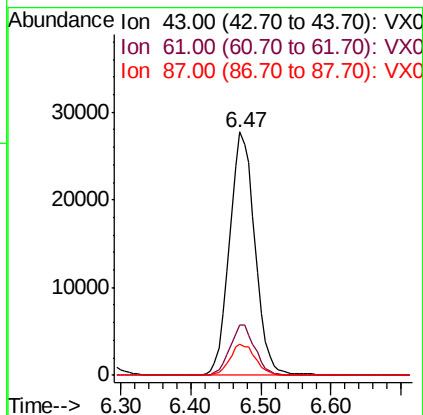
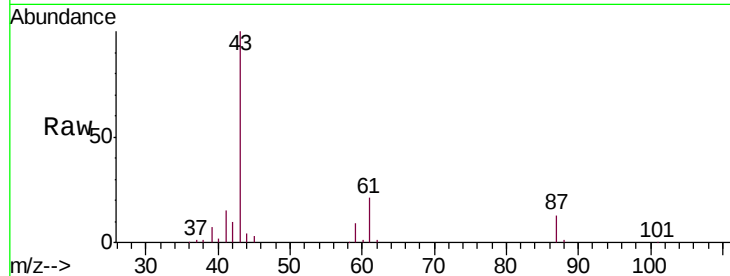
ClientSampleId :

VX0725WBSD01

Tot Ion:	43	Resp:	70112
Ion	Ratio	Lower	Upper
43	100		
61	20.1	15.9	23.9
87	12.8	10.1	15.1

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#44

Trichloroethene

Concen: 18.15 ug/l

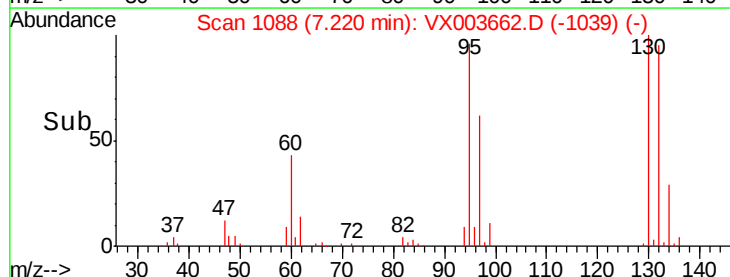
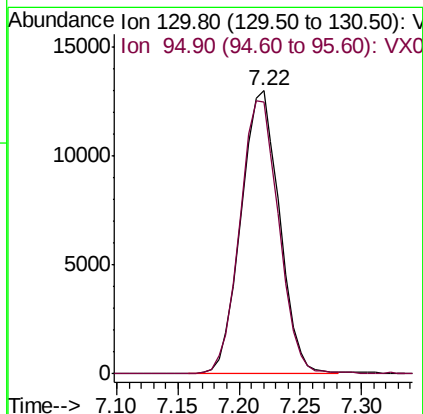
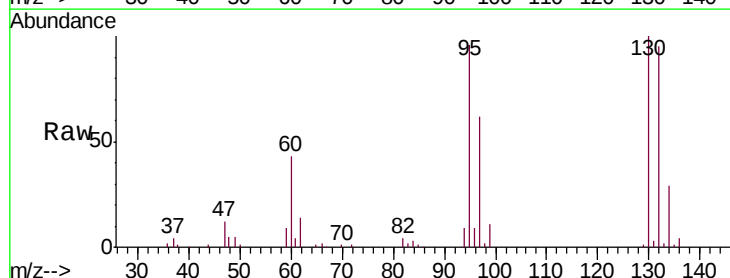
RT: 7.22 min Scan# 1088

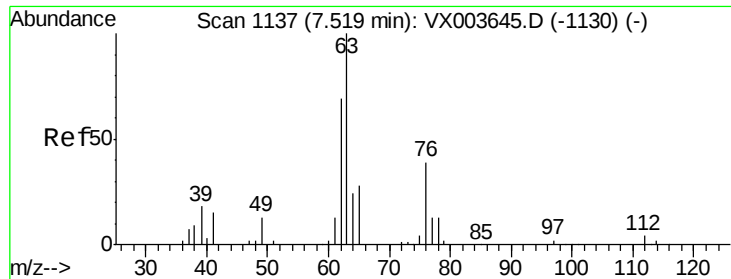
Delta R.T. -0.00 min

Lab File: VX003662.D

Acq: 25 Jul 2018 17:16

Tgt Ion:	130	Resp:	28430
Ion	Ratio	Lower	Upper
130	100		
95	96.1	0.0	190.0





#45

1,2-Dichloropropane

Concen: 18.35 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX003662.D

Acq: 25 Jul 2018 17:16

Instrument :

MSVOA_X

ClientSampleId :

VX0725WBSD01

Tot Ion: 63 Resp: 27704

Ion Ratio Lower Upper

63 100

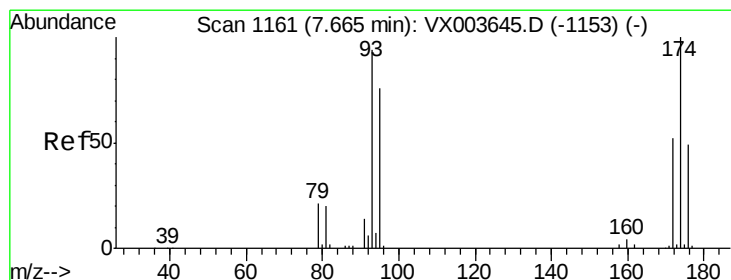
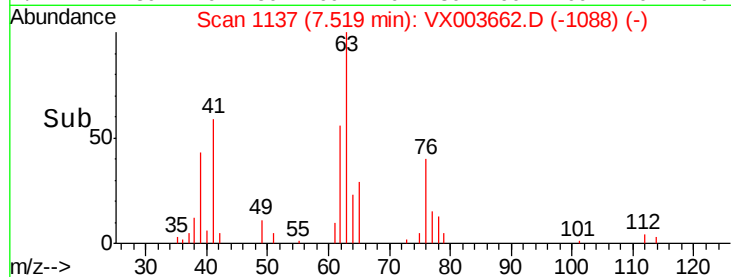
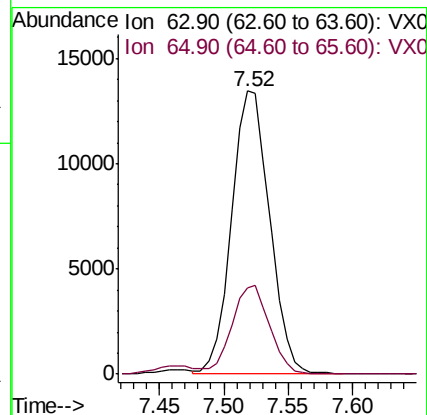
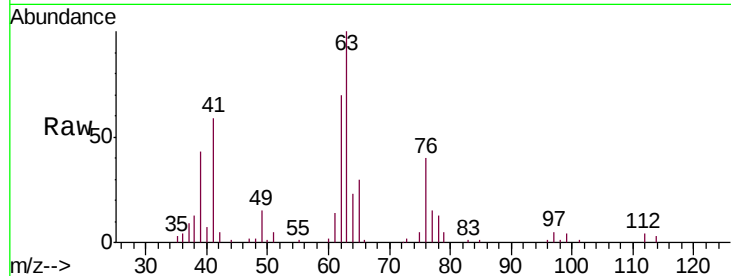
65 30.4 24.0 36.0

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#46

Dibromomethane

Concen: 18.26 ug/l

RT: 7.66 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX003662.D

Acq: 25 Jul 2018 17:16

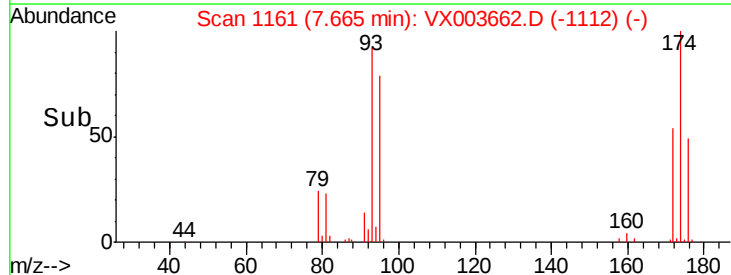
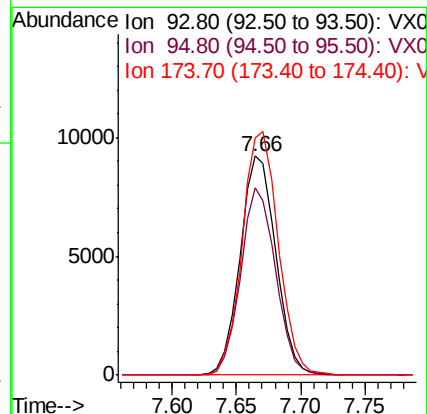
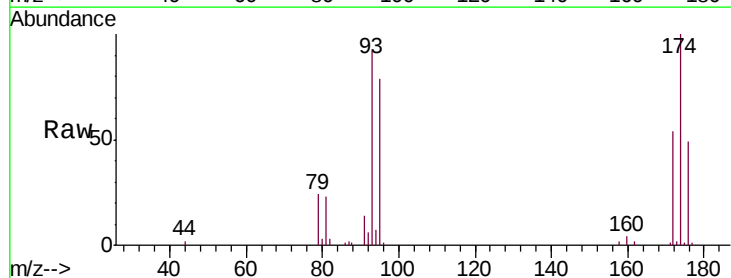
Tgt Ion: 93 Resp: 17714

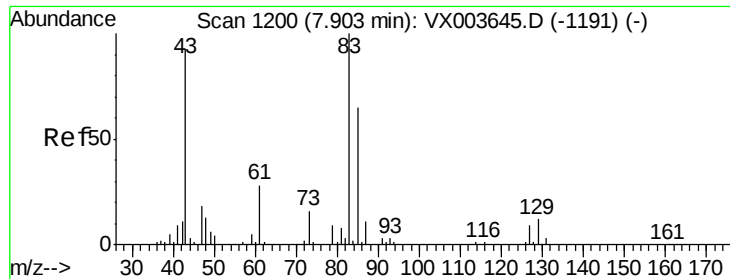
Ion Ratio Lower Upper

93 100

95 83.7 67.0 100.6

174 111.6 89.6 134.4





#47

Bromodichloromethane

Concen: 17.80 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX003662.D

Acq: 25 Jul 2018 17:16

Instrument :

MSVOA_X

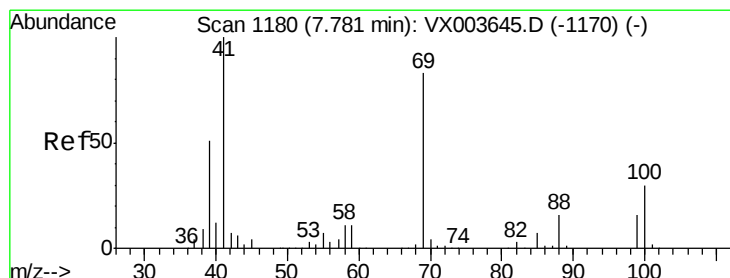
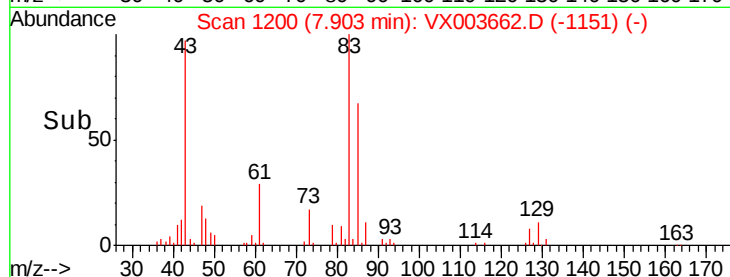
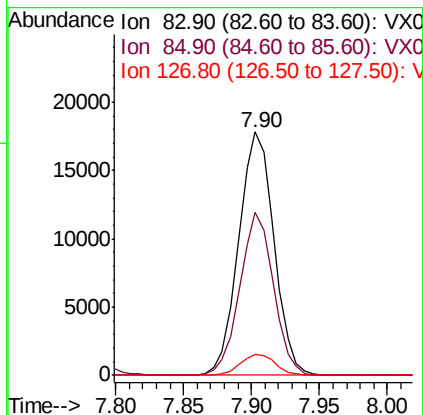
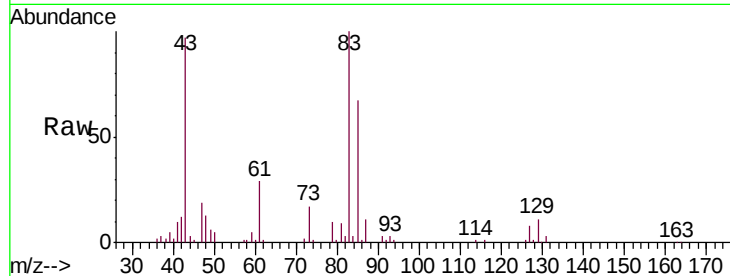
ClientSampleId :

VX0725WBSD01

Tot Ion:	83	Resp:	32361
Ion	Ratio	Lower	Upper
83	100		
85	67.0	51.8	77.6
127	8.4	7.0	10.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.84 ug/l

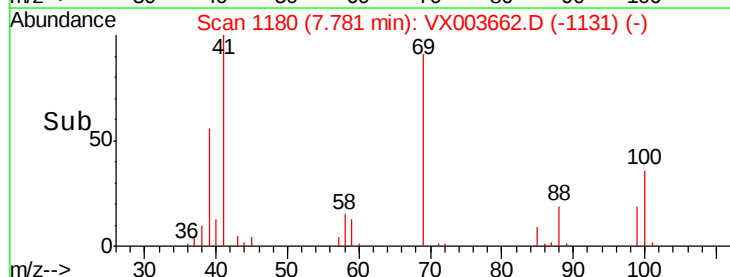
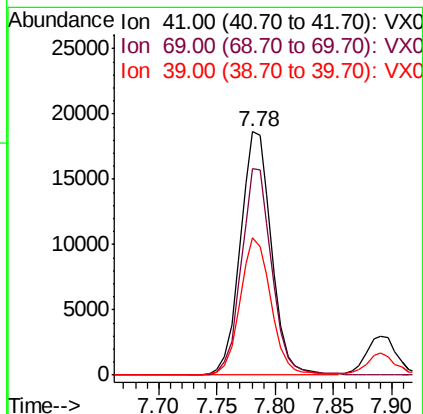
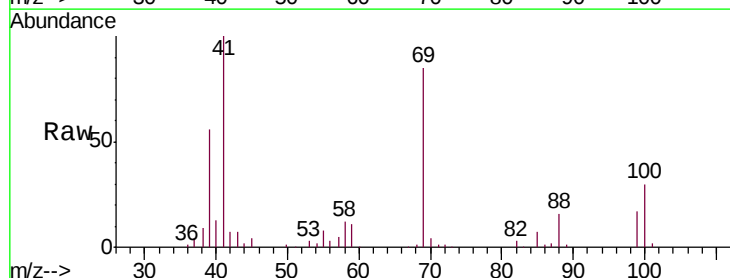
RT: 7.78 min Scan# 1180

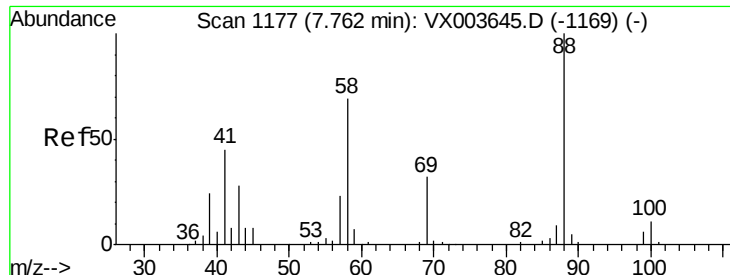
Delta R.T. -0.00 min

Lab File: VX003662.D

Acq: 25 Jul 2018 17:16

Tgt Ion:	41	Resp:	34857
Ion	Ratio	Lower	Upper
41	100		
69	82.9	66.9	100.3
39	55.9	41.2	61.8





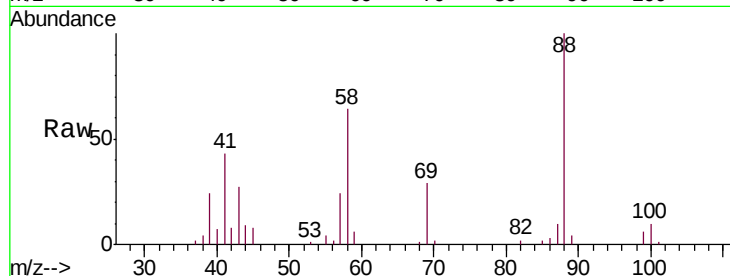
#49
1,4-Dioxane
Concen: 420.75 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VX003662.D
Acq: 25 Jul 2018 17:16

Instrument :
MSVOA_X
ClientSampleId :
VX0725WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.3	25.8	38.6
58	71.0	58.3	87.5

Manual Integrations
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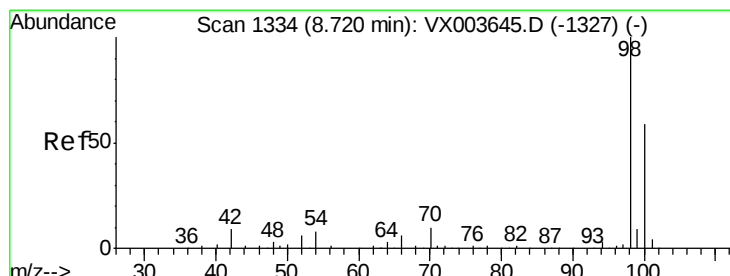
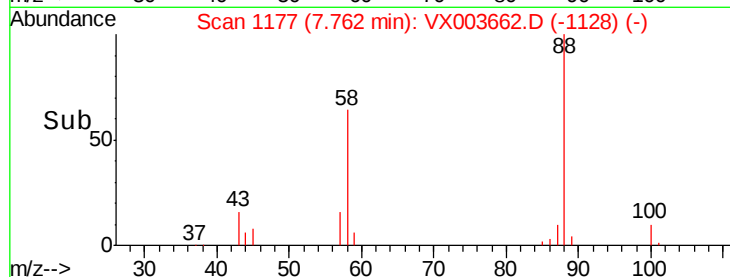
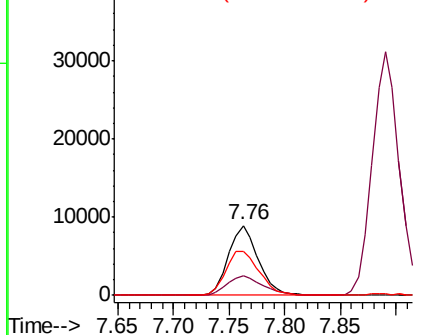


Abundance

Ion 88.00 (87.70 to 88.70): VX0

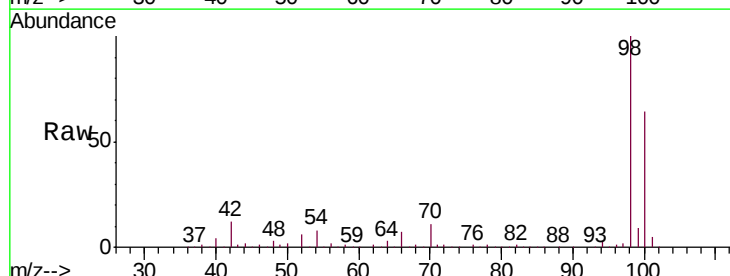
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 46.49 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX003662.D
Acq: 25 Jul 2018 17:16

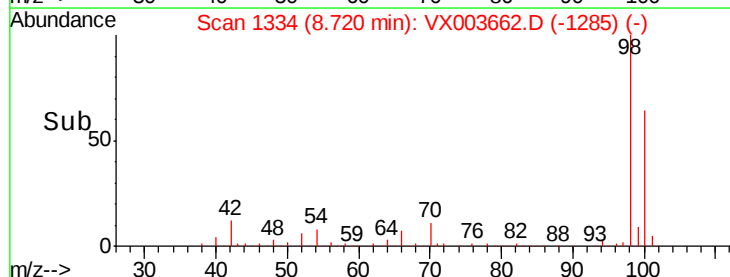
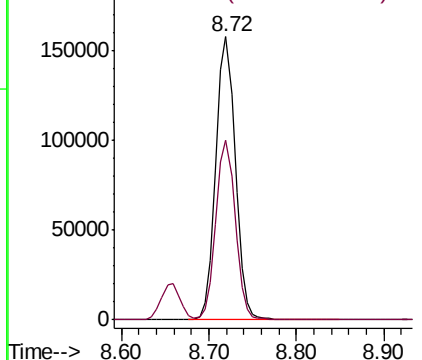
Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	50.9	76.3



Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 91.92 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX003662.D

Acq: 25 Jul 2018 17:16

Instrument :

MSVOA_X

ClientSampleId :

VX0725WBSD01

Tot Ion: 43 Resp: 214721

Ion Ratio Lower Upper

43 100

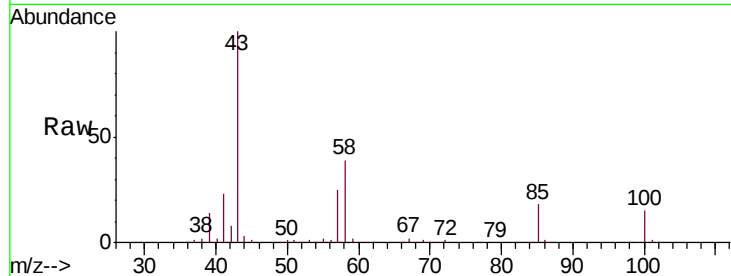
58 38.4 31.5 47.3

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

150000

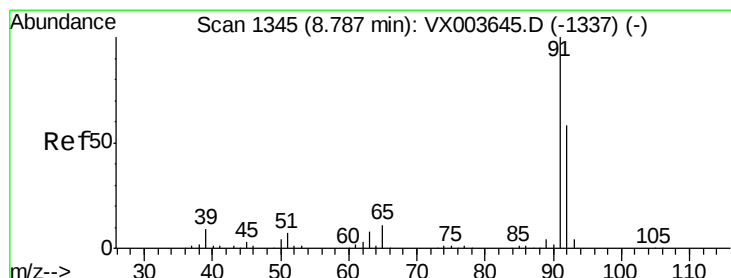
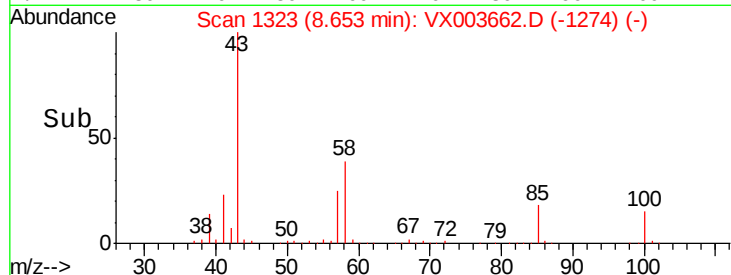
100000

50000

0

8.60 8.70 8.80

Time-->



#52

Toluene

Concen: 18.33 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX003662.D

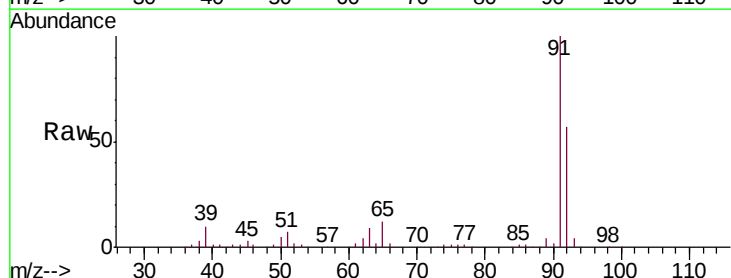
Acq: 25 Jul 2018 17:16

Tgt Ion: 92 Resp: 66565

Ion Ratio Lower Upper

92 100

91 174.5 139.0 208.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

80000

60000

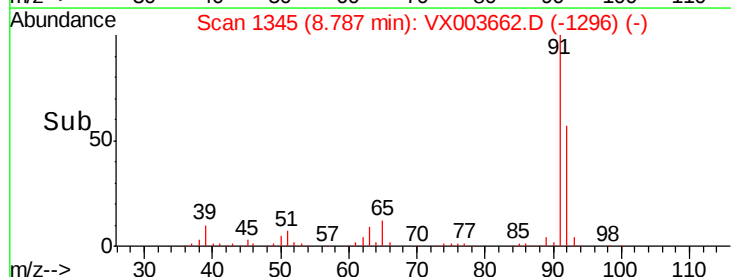
40000

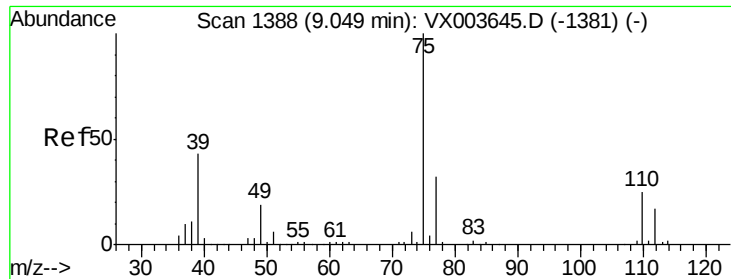
20000

0

8.70 8.80 8.90

Time-->





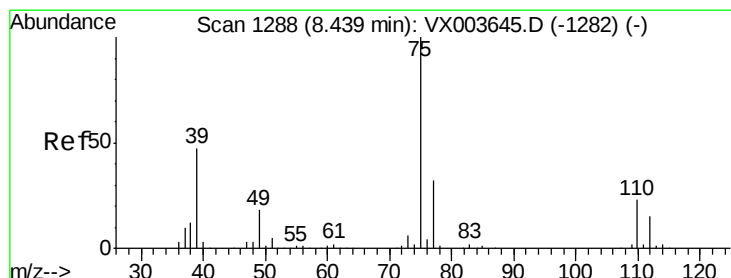
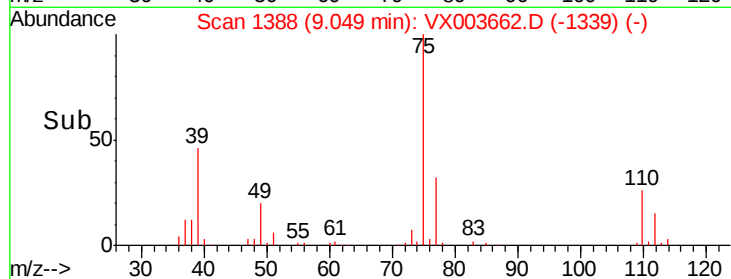
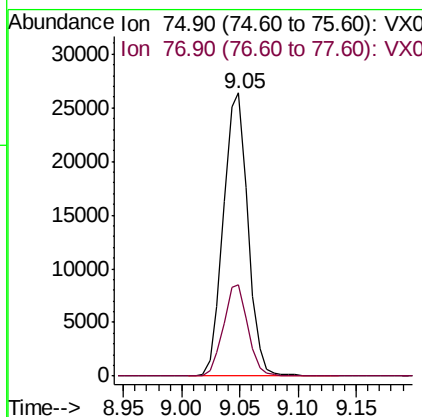
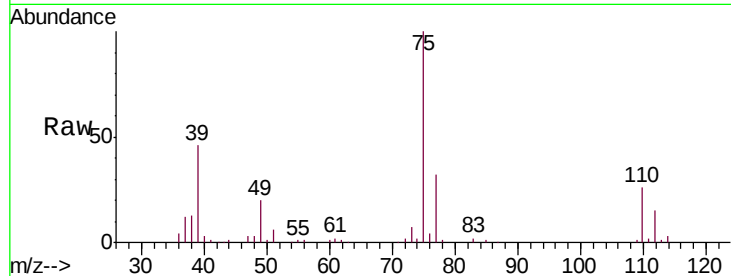
#53
t-1,3-Dichloropropene
Concen: 19.11 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VX003662.D
Acq: 25 Jul 2018 17:16

Instrument :
MSVOA_X
ClientSampleId :
VX0725WBSD01

Tot Ion: 75 Resp: 38484
Ion Ratio Lower Upper
75 100
77 32.4 25.8 38.6

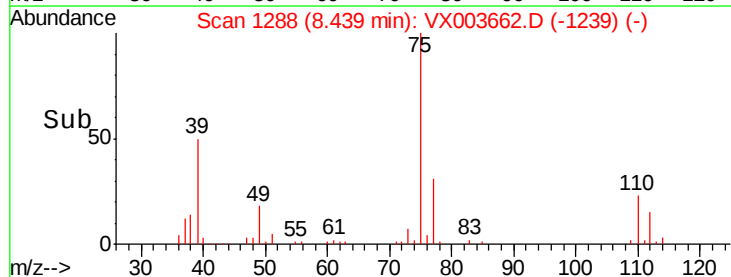
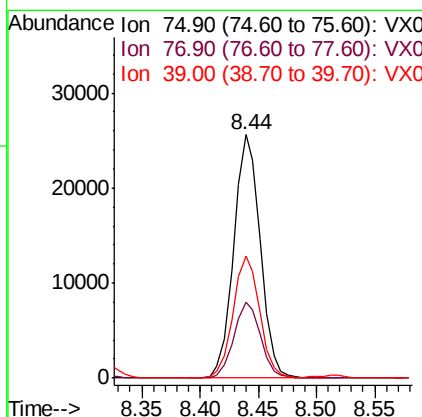
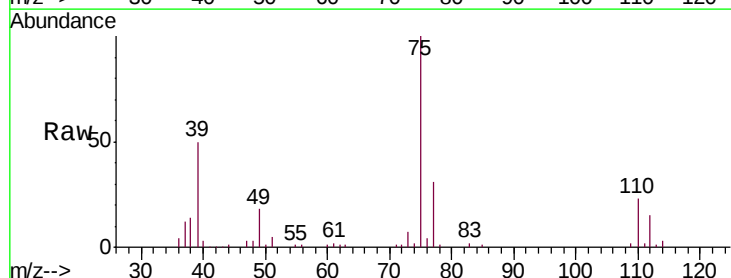
Manual Integrations
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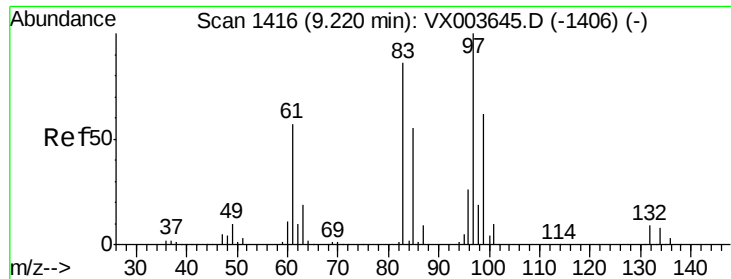
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 18.34 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX003662.D
Acq: 25 Jul 2018 17:16

Tgt Ion: 75 Resp: 40638
Ion Ratio Lower Upper
75 100
77 31.0 25.2 37.8
39 49.8 38.0 57.0





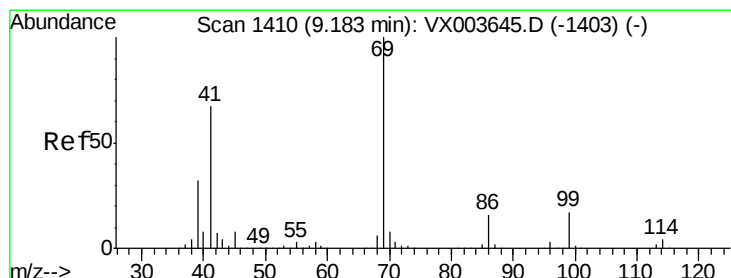
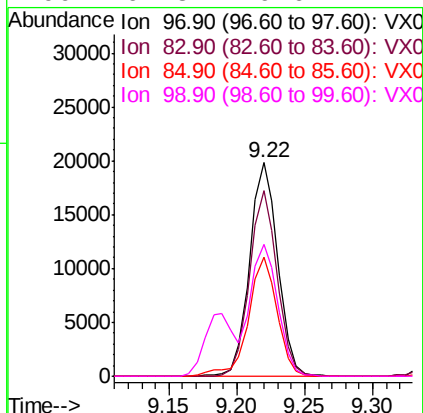
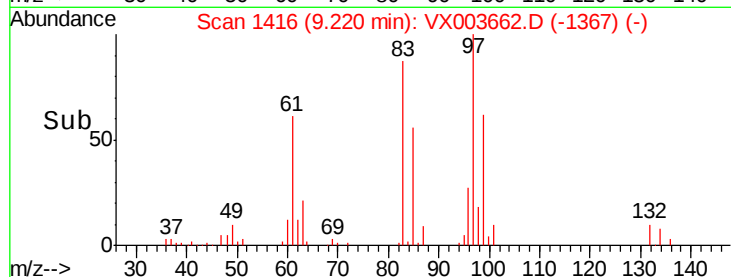
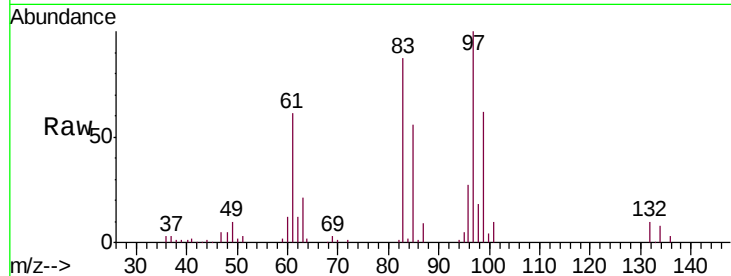
#55
 1,1,2-Trichloroethane
 Concen: 19.48 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX003662.D
 Acq: 25 Jul 2018 17:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0725WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		28915		
83	87.0	68.7	103.1		
85	56.0	43.7	65.5		
99	61.8	49.6	74.4		

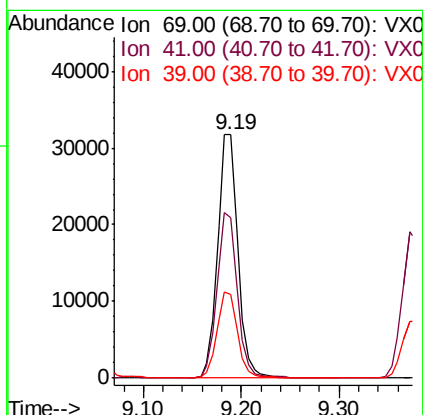
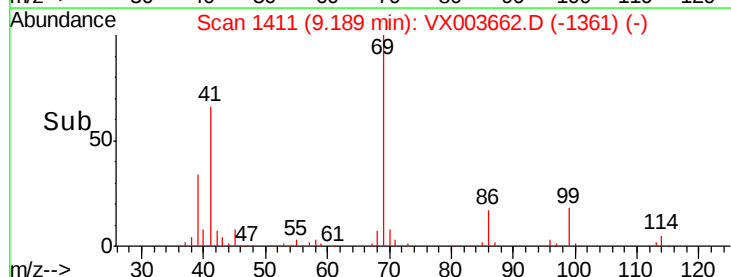
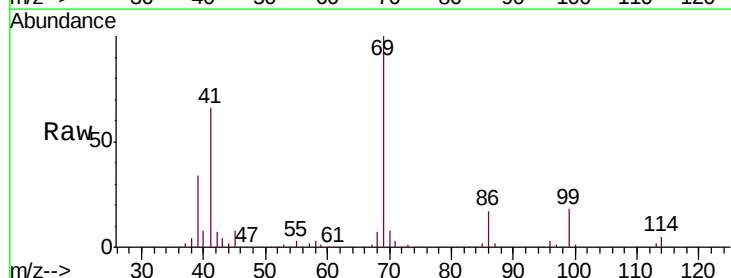
Manual Integrations
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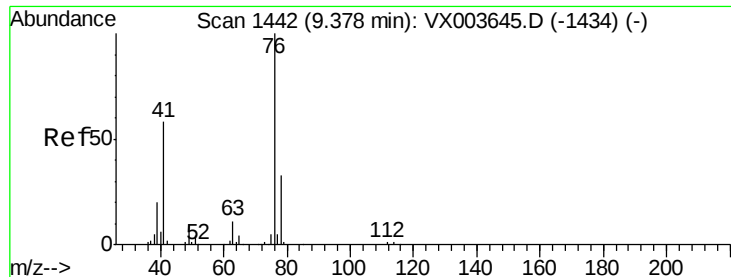
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#56
 Ethyl methacrylate
 Concen: 20.75 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.01 min
 Lab File: VX003662.D
 Acq: 25 Jul 2018 17:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		45833		
41	68.7	53.8	80.6		
39	35.6	25.8	38.8		





#57

1,3-Dichloropropane

Concen: 18.50 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX003662.D

Acq: 25 Jul 2018 17:16

Instrument :

MSVOA_X

ClientSampled :

VX0725WBSD01

Tot Ion: 76 Resp: 46097

Ion Ratio Lower Upper

76 100

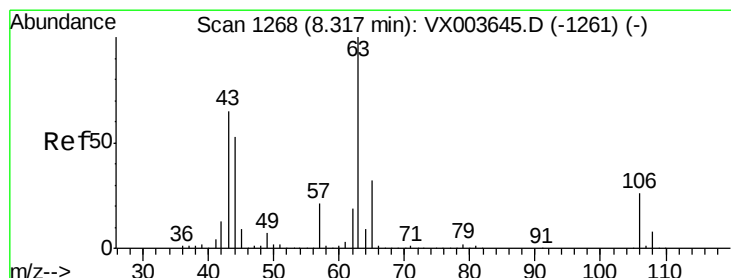
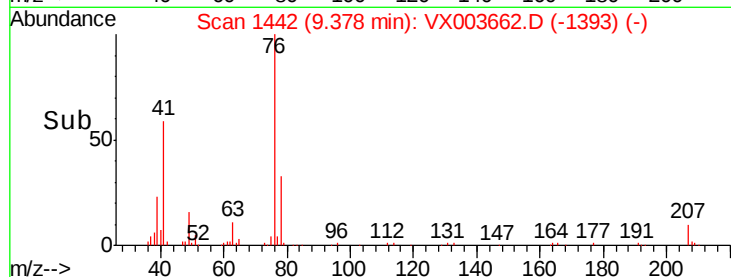
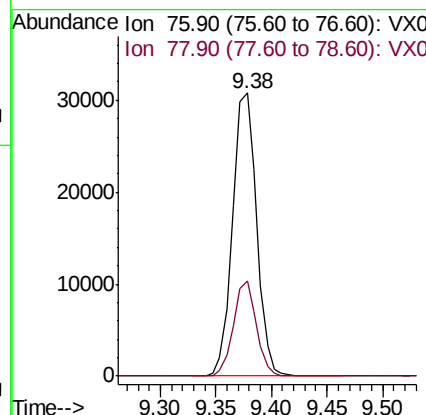
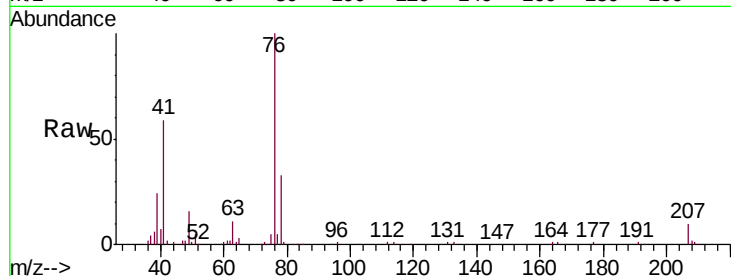
78 31.8 25.6 38.4

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 97.06 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX003662.D

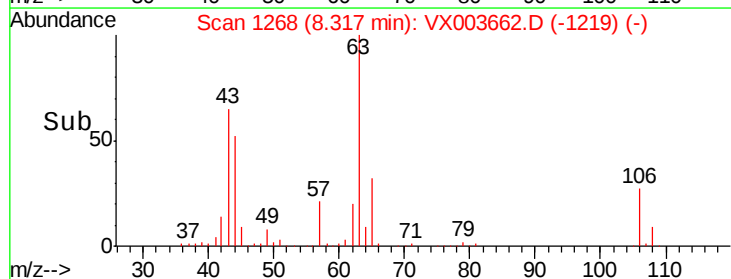
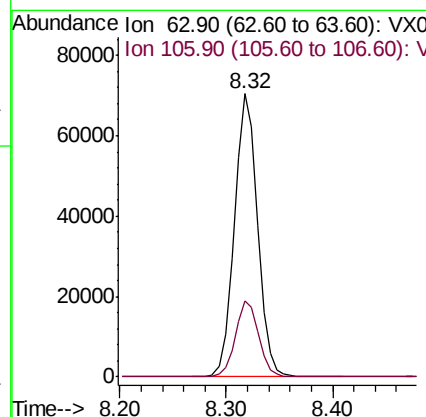
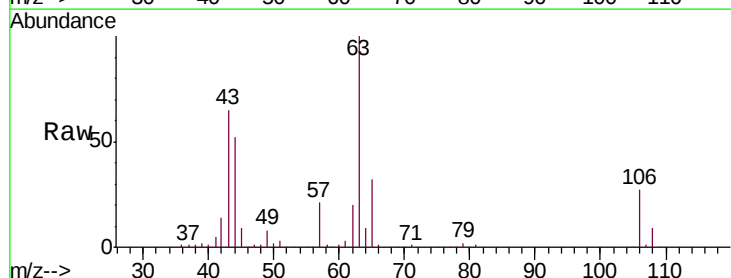
Acq: 25 Jul 2018 17:16

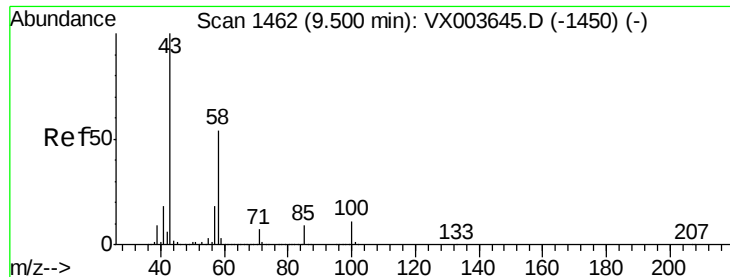
Tgt Ion: 63 Resp: 107709

Ion Ratio Lower Upper

63 100

106 26.9 21.5 32.3





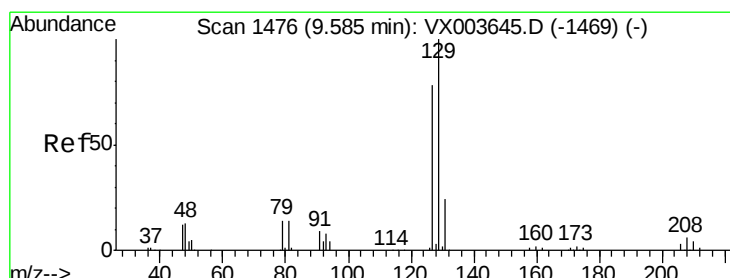
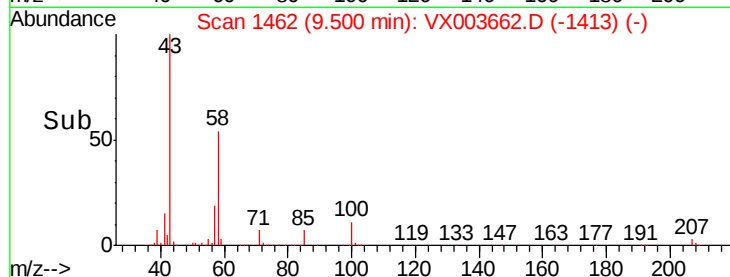
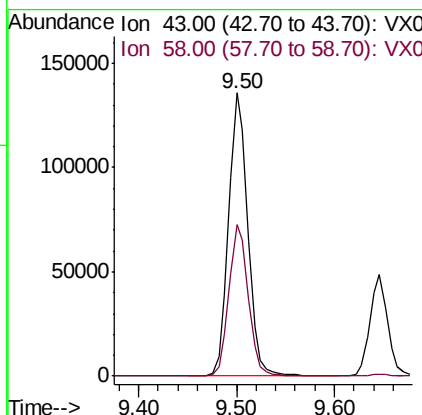
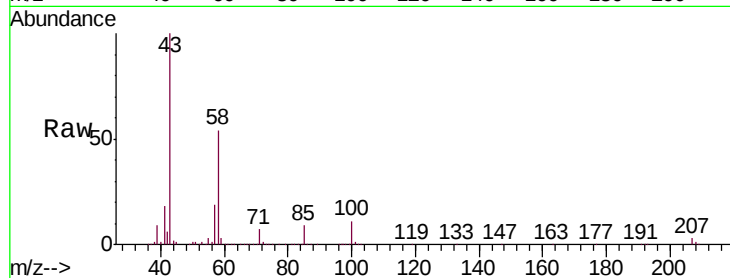
#59
2-Hexanone
Concen: 103.63 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX003662.D
Acq: 25 Jul 2018 17:16

Instrument :
MSVOA_X
ClientSampleId :
VX0725WBSD01

Tot Ion: 43 Resp: 185706
Ion Ratio Lower Upper
43 100
58 54.2 27.3 81.9

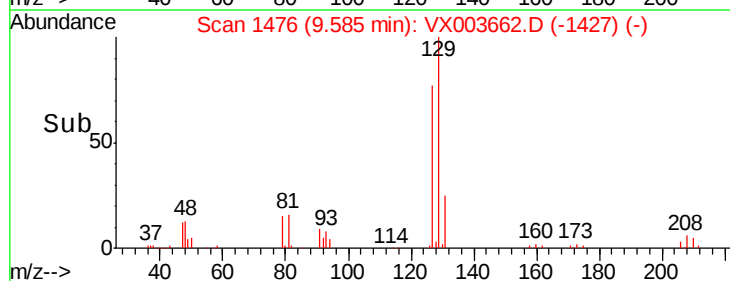
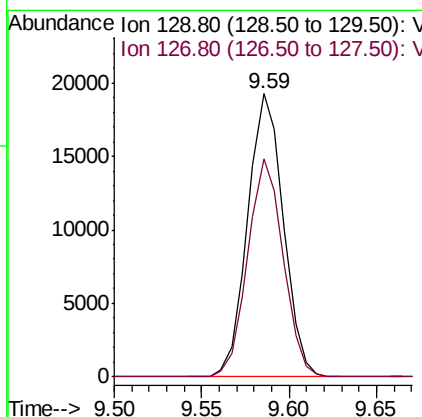
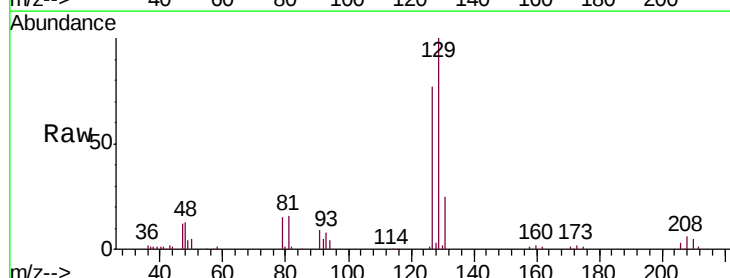
Manual Integrations
APPROVED

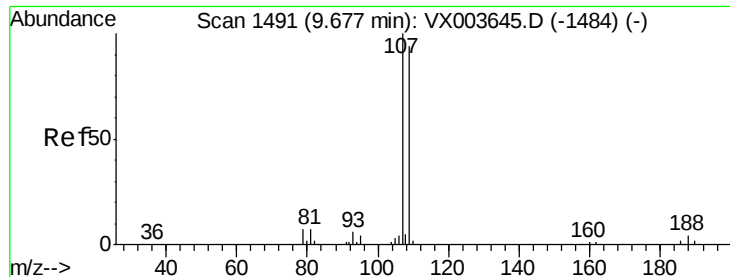
MMDadoda
7/27/2018 5:29:52 PM



#60
Dibromochloromethane
Concen: 19.41 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX003662.D
Acq: 25 Jul 2018 17:16

Tgt Ion: 129 Resp: 27315
Ion Ratio Lower Upper
129 100
127 76.6 38.7 116.1





#61

1,2-Dibromoethane

Concen: 18.56 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX003662.D

Acq: 25 Jul 2018 17:16

Instrument :

MSVOA_X

ClientSampleId :

VX0725WBSD01

Tot Ion:107 Resp: 28677

Ion Ratio Lower Upper

107 100

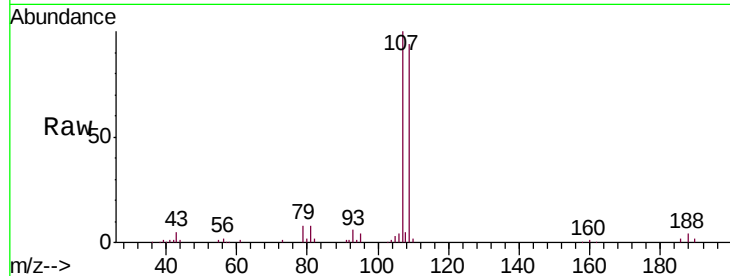
109 95.3 75.4 113.2

Manual Integrations

APPROVED

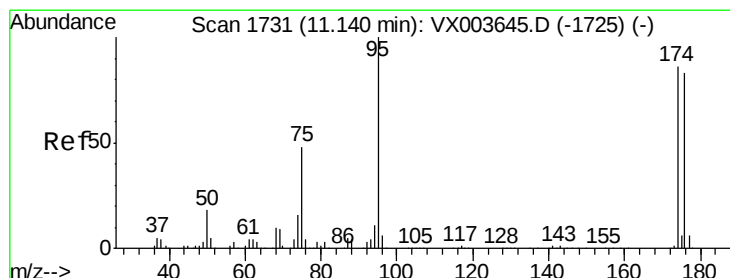
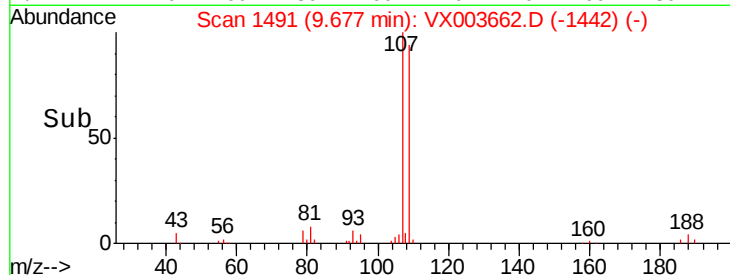
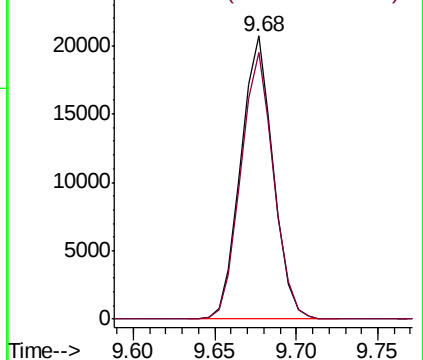
MMDadoda

7/27/2018 5:29:52 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.83 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX003662.D

Acq: 25 Jul 2018 17:16

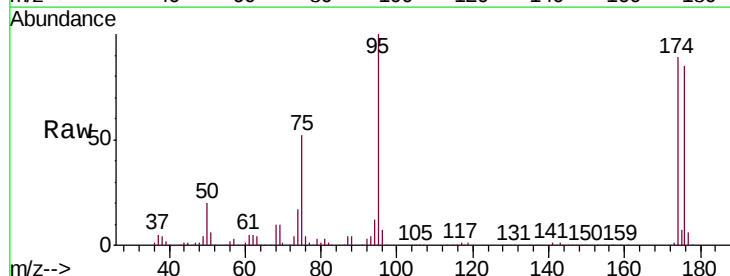
Tgt Ion: 95 Resp: 91895

Ion Ratio Lower Upper

95 100

174 89.3 0.0 179.0

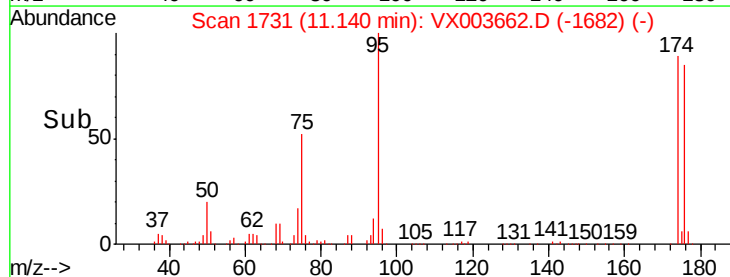
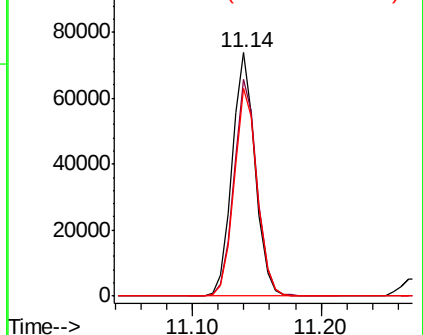
176 85.7 0.0 173.0

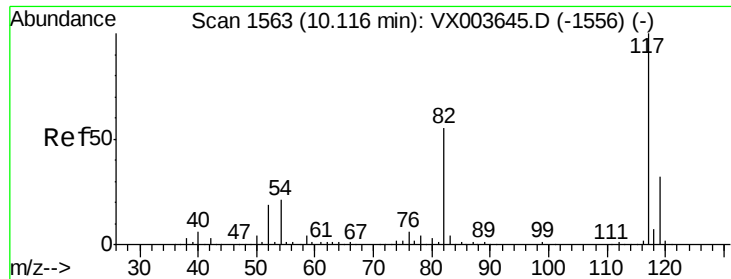


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





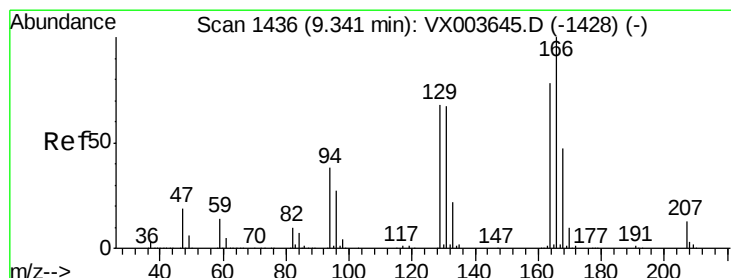
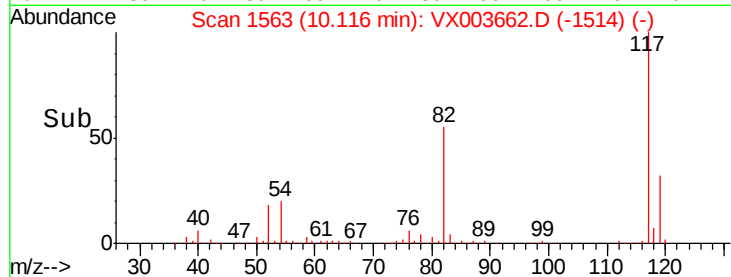
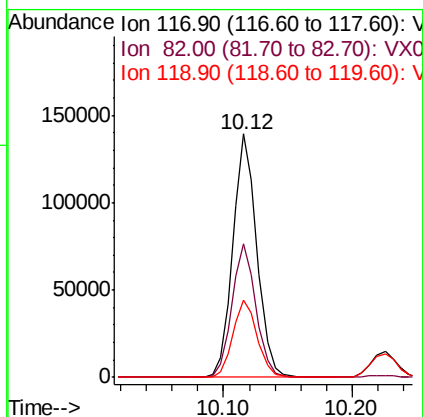
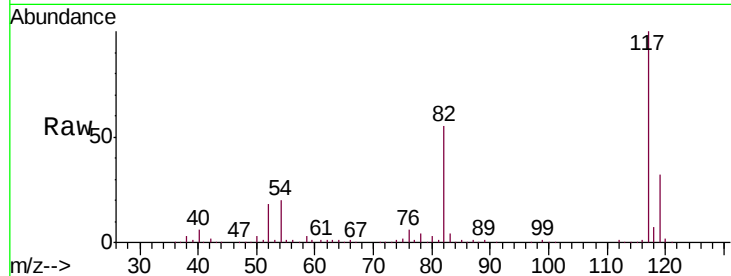
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003662.D
Acq: 25 Jul 2018 17:16

Instrument :
MSVOA_X
ClientSampled :
VX0725WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.8	44.3	66.5
119	31.8	25.6	38.4

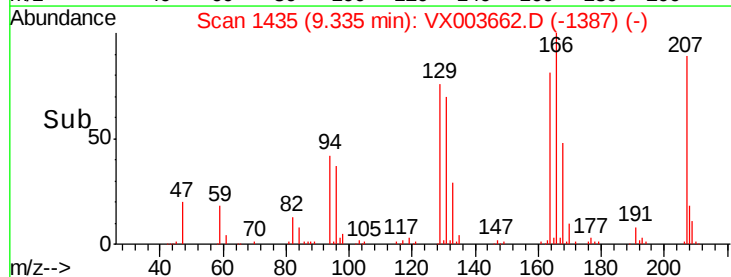
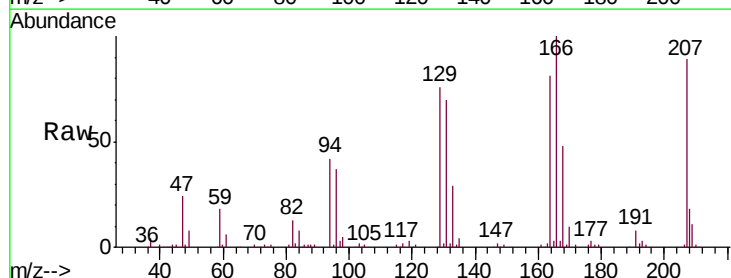
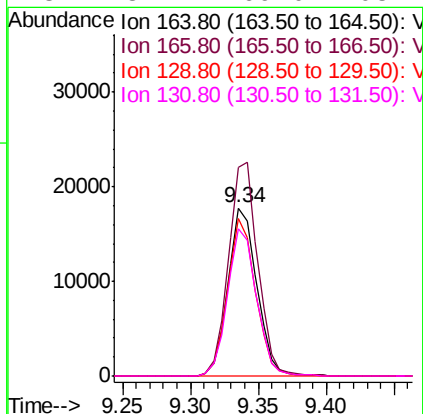
Manual Integrations
APPROVED

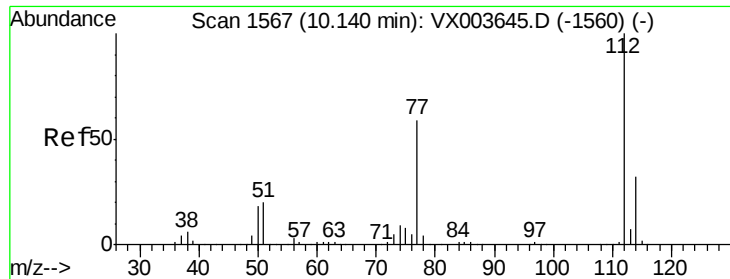
MMDadoda
7/27/2018 5:29:52 PM



#64
Tetrachloroethene
Concen: 15.86 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.01 min
Lab File: VX003662.D
Acq: 25 Jul 2018 17:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.1	102.4	153.6
129	93.8	69.6	104.4
131	87.4	69.0	103.4





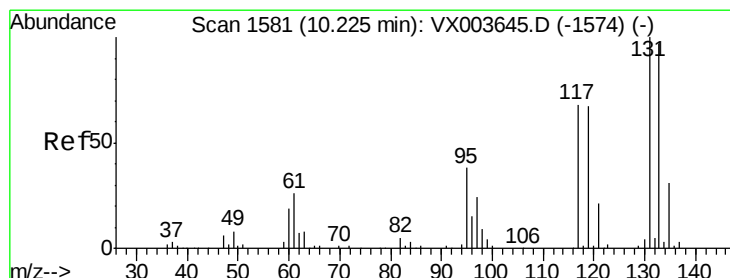
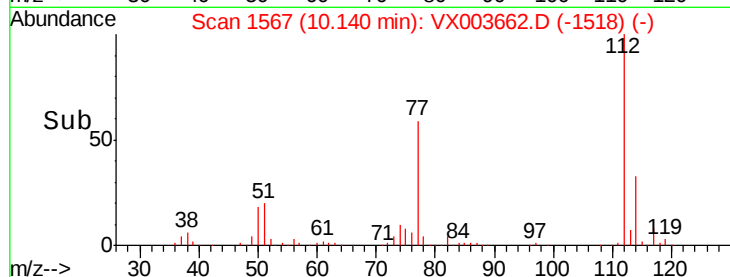
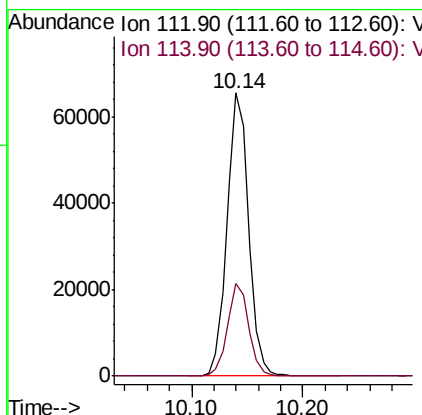
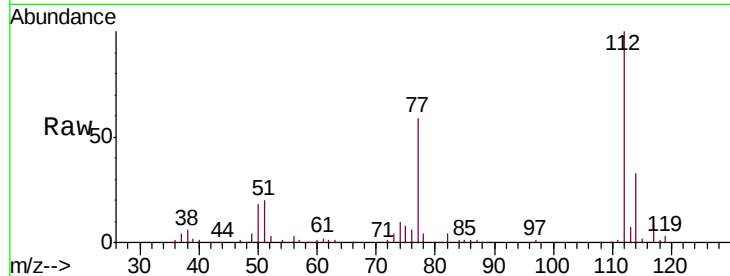
#65
Chlorobenzene
Concen: 19.21 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX003662.D
Acq: 25 Jul 2018 17:16

Instrument :
MSVOA_X
ClientSampled :
VX0725WBSD01

Tot Ion:112 Resp: 87413
Ion Ratio Lower Upper
112 100
114 32.5 25.8 38.8

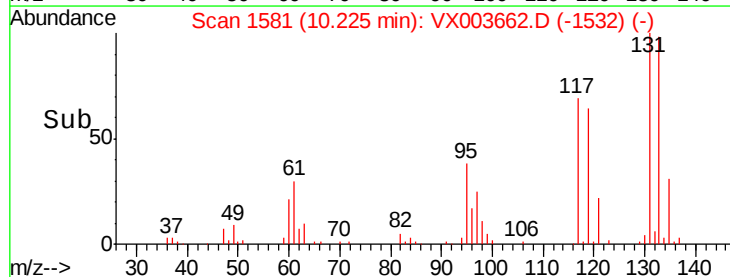
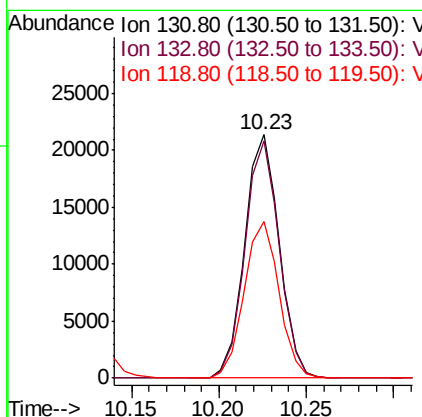
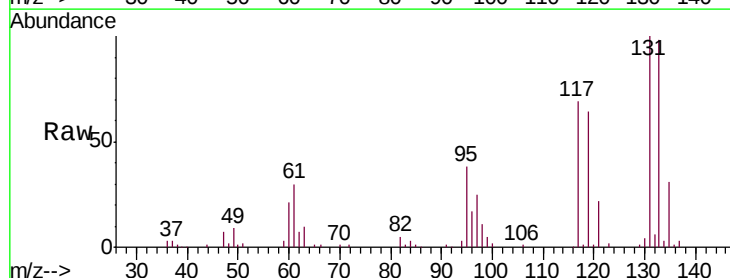
Manual Integrations
APPROVED

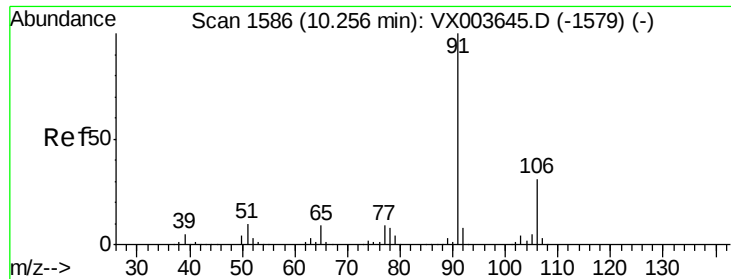
MMDadoda
7/27/2018 5:29:52 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.52 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX003662.D
Acq: 25 Jul 2018 17:16

Tgt Ion:131 Resp: 29310
Ion Ratio Lower Upper
131 100
133 96.6 47.6 142.8
119 64.9 32.8 98.4





#67

Ethyl Benzene

Concen: 19.04 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX003662.D

Acq: 25 Jul 2018 17:16

Instrument :

MSVOA_X

ClientSampled :

VX0725WBSD01

Tot Ion: 91 Resp: 145031

Ion Ratio Lower Upper

91 100

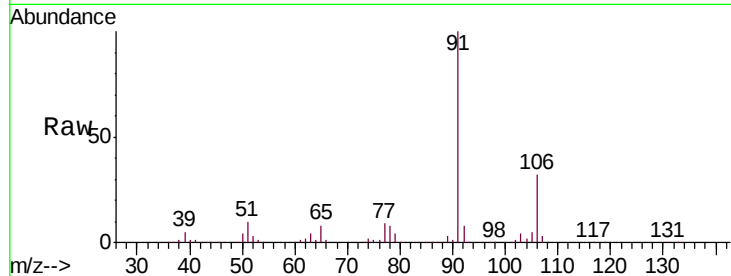
106 31.8 25.0 37.6

Manual Integrations

APPROVED

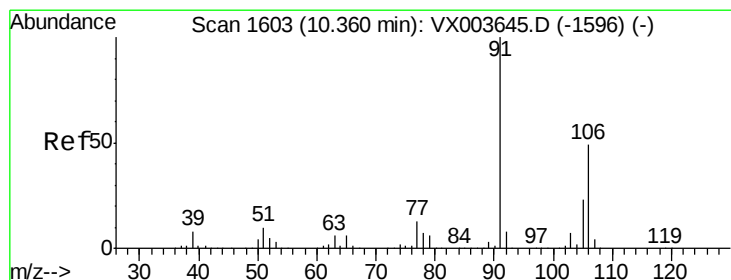
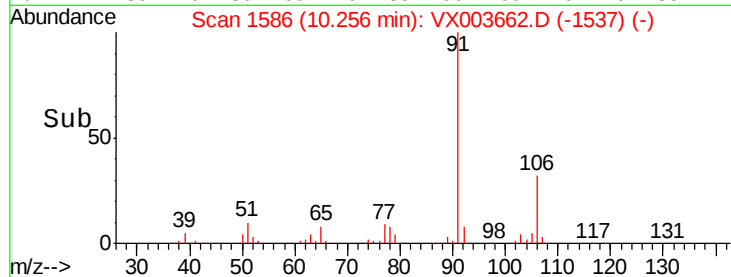
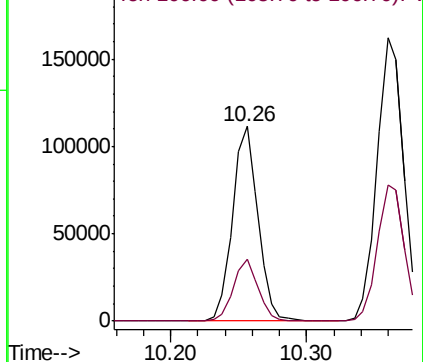
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 36.95 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VX003662.D

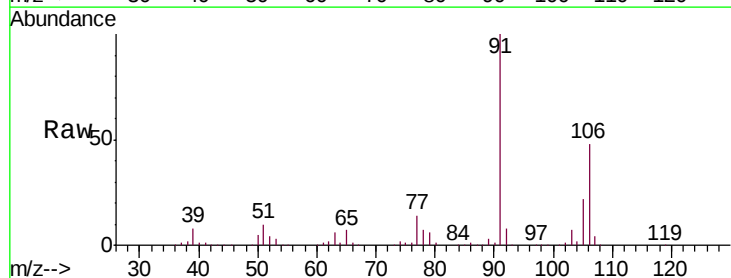
Acq: 25 Jul 2018 17:16

Tgt Ion: 106 Resp: 107995

Ion Ratio Lower Upper

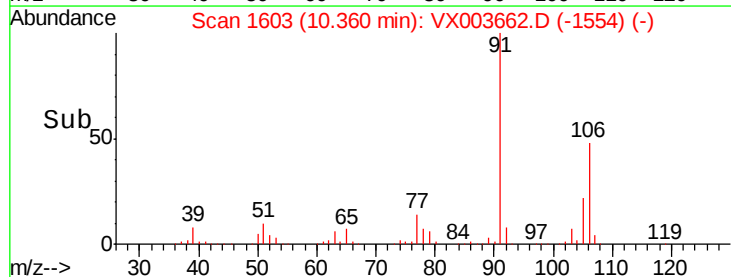
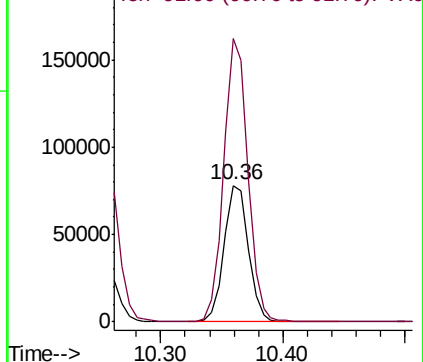
106 100

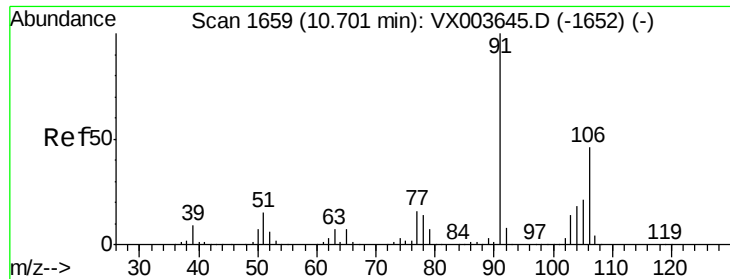
91 205.1 162.2 243.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





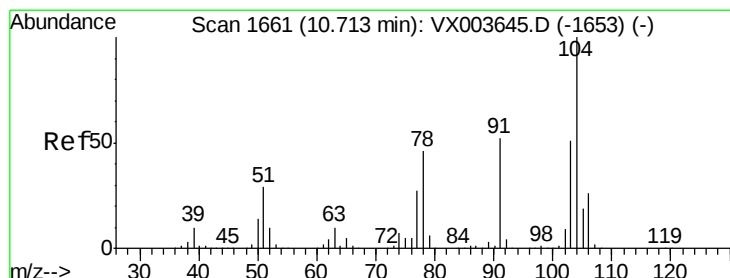
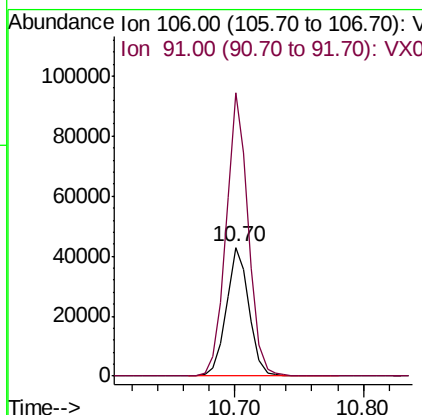
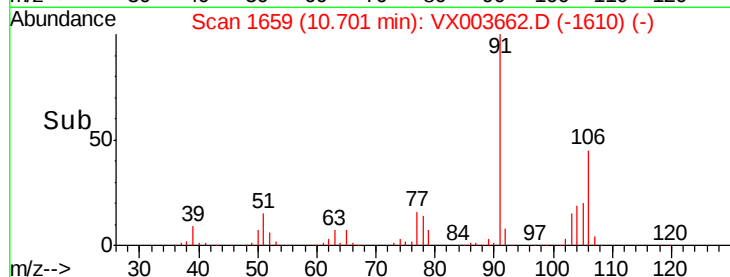
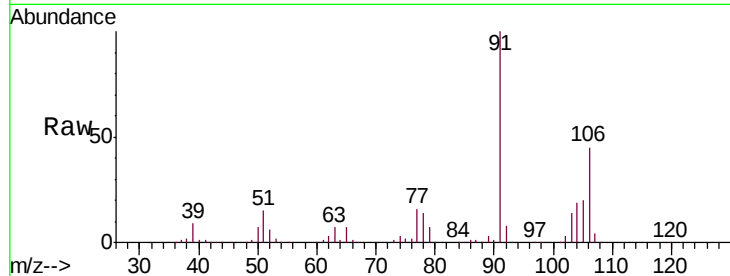
#69
o-Xylene
Concen: 18.77 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003662.D
Acq: 25 Jul 2018 17:16

Instrument :
MSVOA_X
ClientSampleId :
VX0725WBSD01

Tot Ion:106 Resp: 52806
Ion Ratio Lower Upper
106 100
91 215.7 107.1 321.1

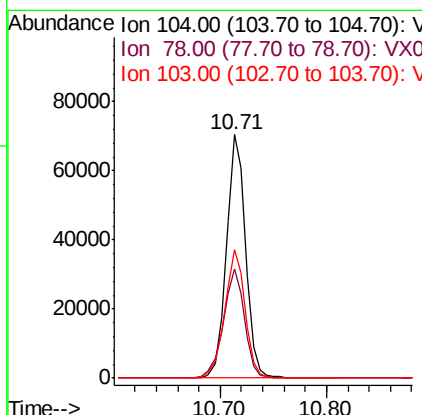
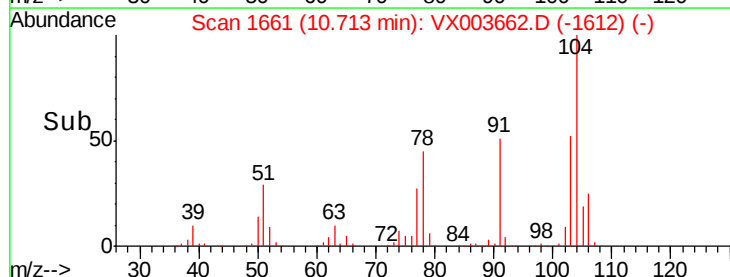
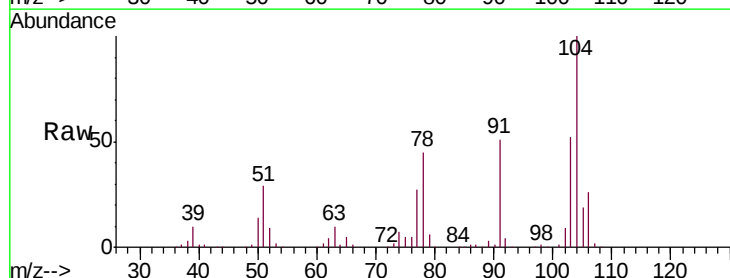
Manual Integrations
APPROVED

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#70
Styrene
Concen: 18.82 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX003662.D
Acq: 25 Jul 2018 17:16

Tgt Ion:104 Resp: 88939
Ion Ratio Lower Upper
104 100
78 49.4 39.2 58.8
103 56.2 44.2 66.4





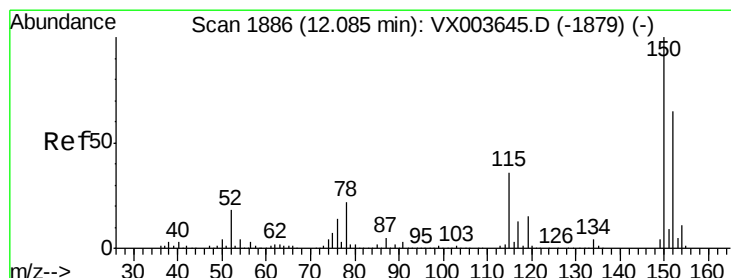
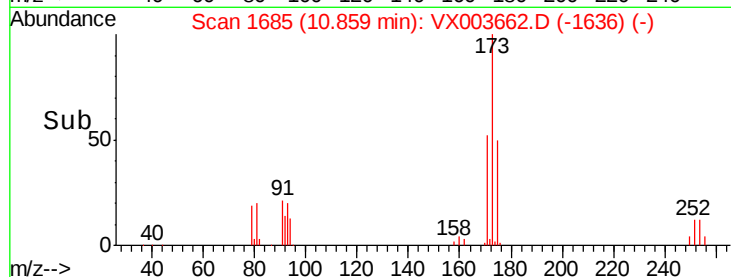
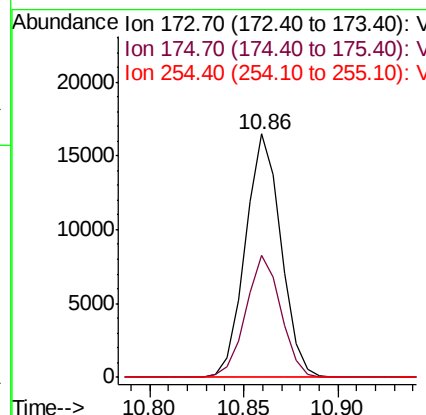
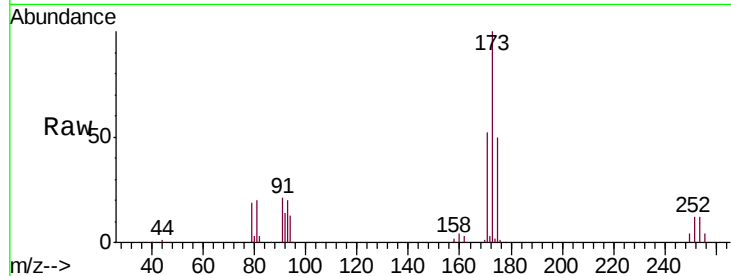
#71
Bromoform
Concen: 17.19 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX003662.D
Acq: 25 Jul 2018 17:16

Instrument :
MSVOA_X
ClientSampleId :
VX0725WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.1	72.2
254	0.0	0.0	0.0

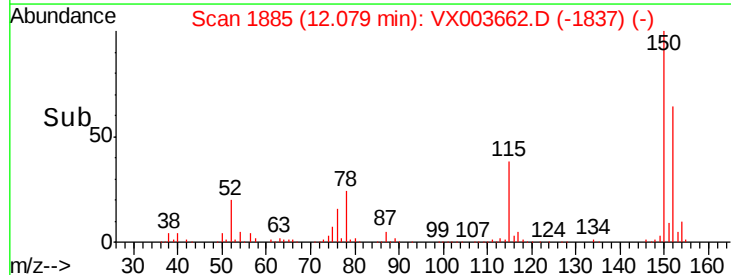
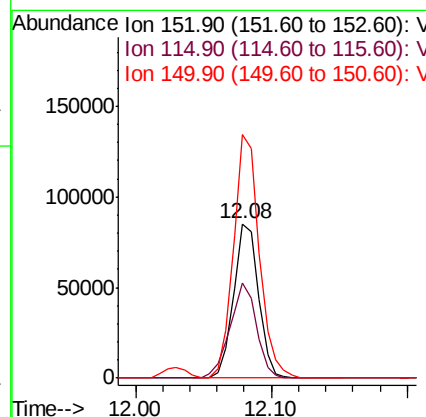
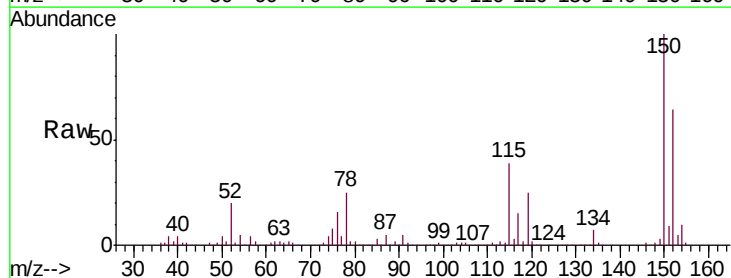
Manual Integrations
APPROVED

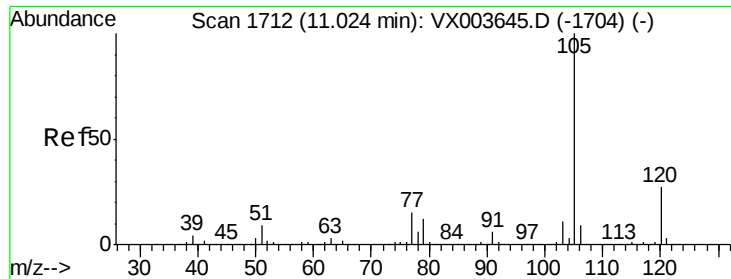
MMDadoda
7/27/2018 5:29:52 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX003662.D
Acq: 25 Jul 2018 17:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.6	40.0	119.9
150	163.2	0.0	348.4





#73

Isopropylbenzene

Concen: 17.58 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.01 min

Lab File: VX003662.D

Acq: 25 Jul 2018 17:16

Instrument :

MSVOA_X

ClientSampleId :

VX0725WBSD01

Tot Ion:105 Resp: 129838

Ion Ratio Lower Upper

105 100

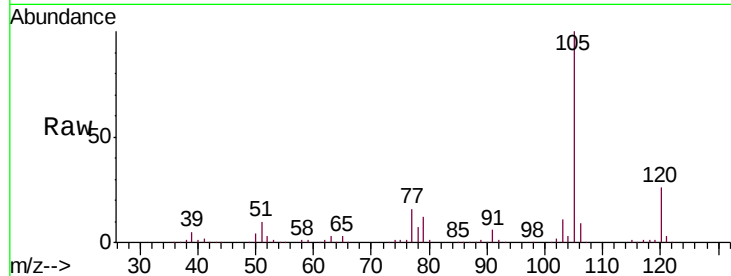
120 26.7 13.5 40.5

Manual Integrations

APPROVED

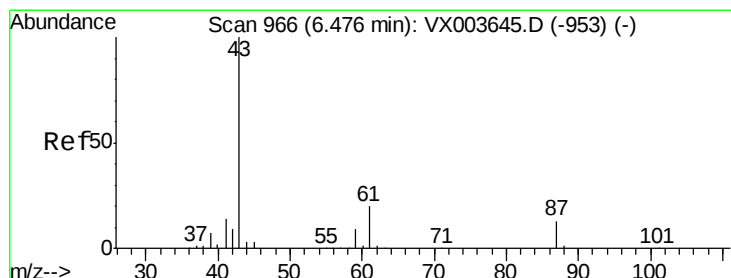
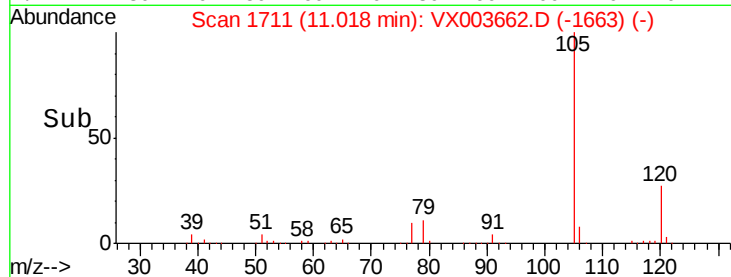
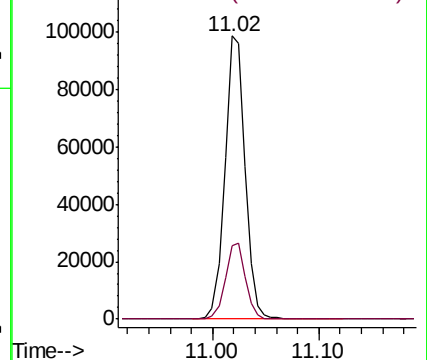
MMDadoda

7/27/2018 5:29:52 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.20 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX003662.D

Acq: 25 Jul 2018 17:16

Tgt Ion: 43 Resp: 70112

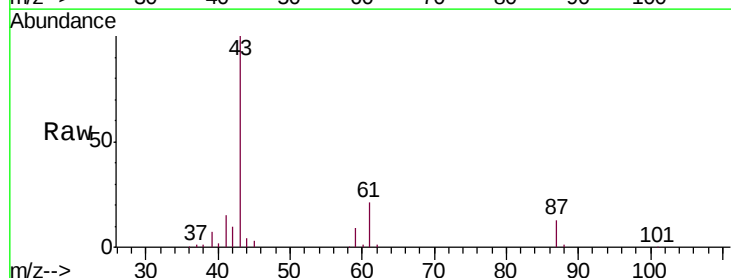
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 20.1 15.9 23.9

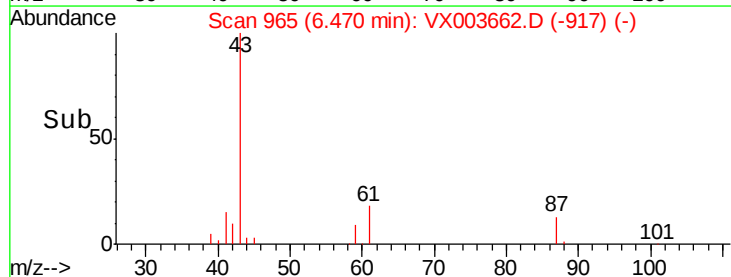
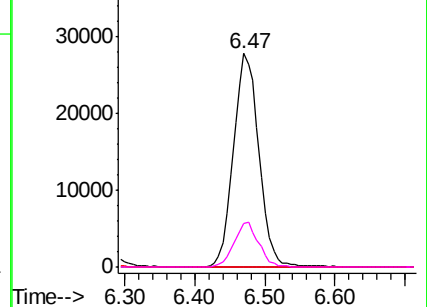


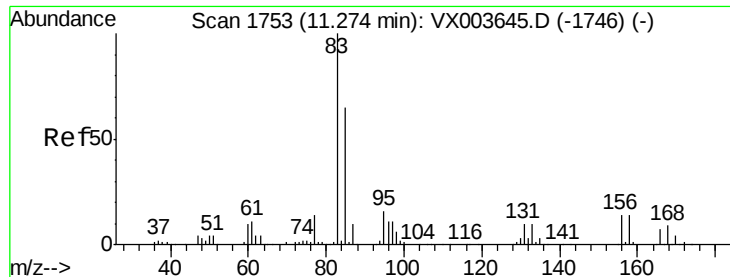
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 16.80 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.01 min

Lab File: VX003662.D

Acq: 25 Jul 2018 17:16

Instrument :

MSVOA_X

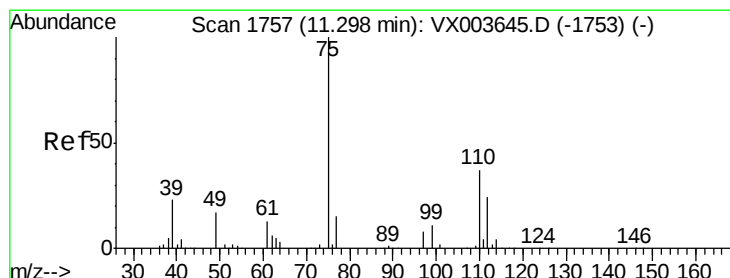
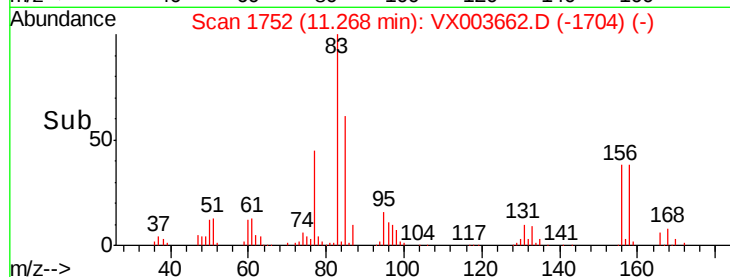
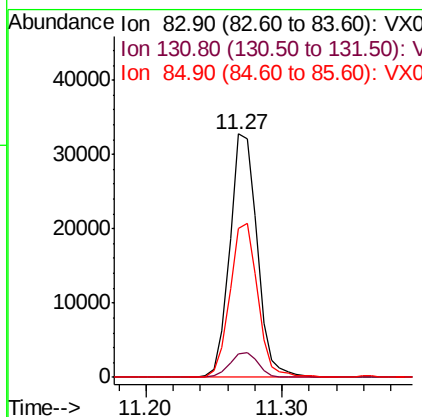
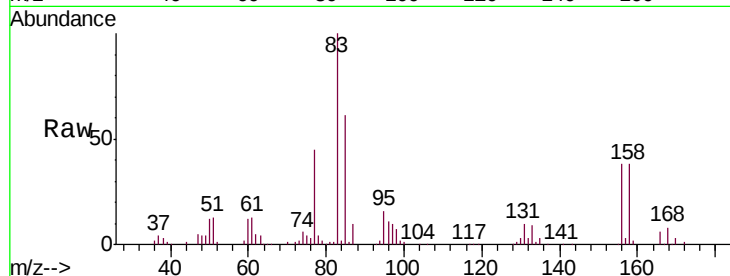
ClientSampleId :

VX0725WBSD01

Tot Ion:	83	Resp:	45815
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.1	15.4
85	64.1	31.9	95.9

Manual Integrations
APPROVED

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7/27/2018 5:29:52 PM



#76

1,2,3-Trichloropropane

Concen: 20.57 ug/l m

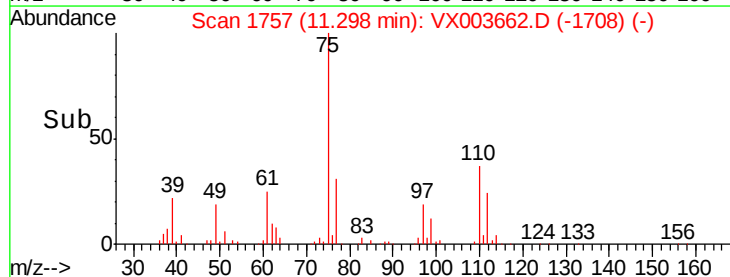
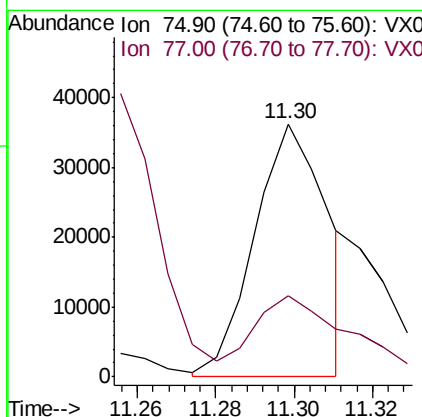
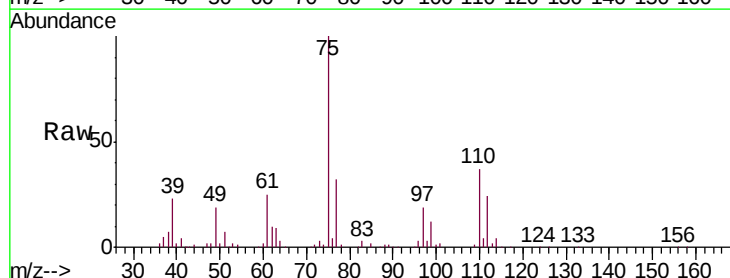
RT: 11.30 min Scan# 1757

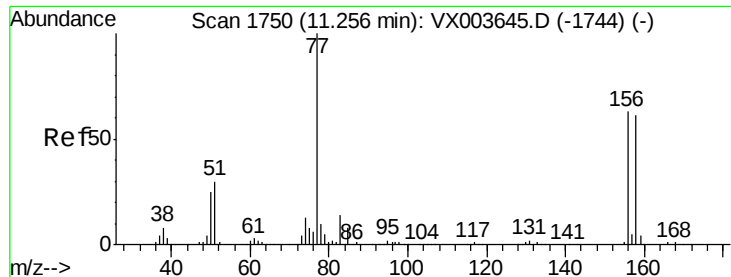
Delta R.T. -0.00 min

Lab File: VX003662.D

Acq: 25 Jul 2018 17:16

Tgt Ion:	75	Resp:	46649
Ion Ratio	Lower	Upper	
75	100		
77	42.5	21.6	64.6





#77

Bromobenzene

Concen: 16.51 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX003662.D

Acq: 25 Jul 2018 17:16

Instrument :

MSVOA_X

ClientSampleId :

VX0725WBSD01

Tot Ion:156 Resp: 33127

Ion Ratio Lower Upper

156 100

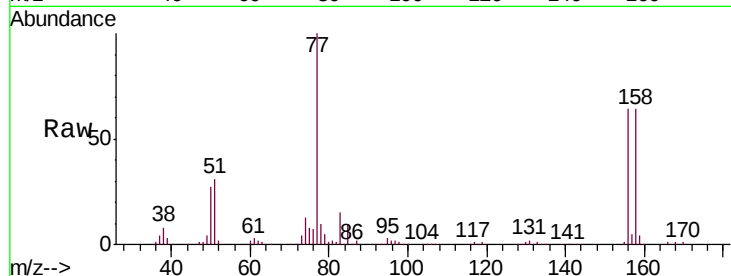
77 152.4 74.9 224.6

158 99.1 48.4 145.2

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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

50000

40000

30000

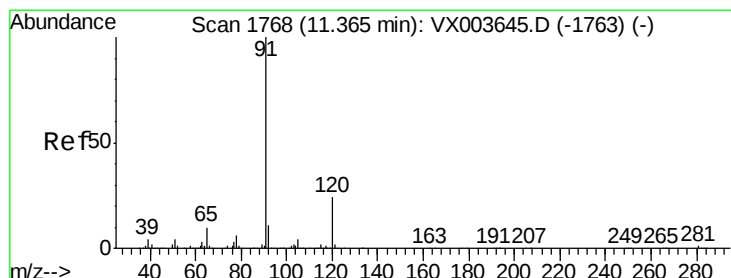
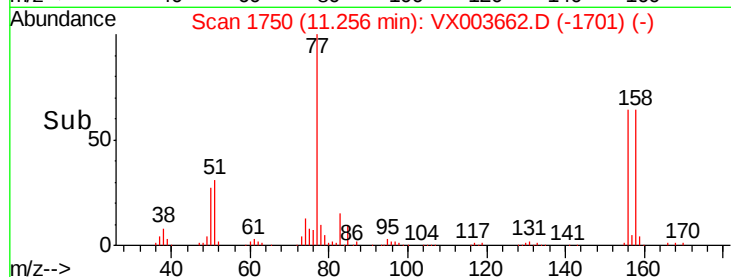
20000

10000

0

11.20 11.25 11.30

Time-->



#78

n-propylbenzene

Concen: 21.25 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.01 min

Lab File: VX003662.D

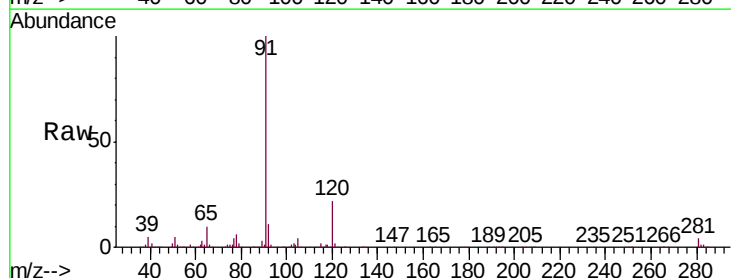
Acq: 25 Jul 2018 17:16

Tgt Ion: 91 Resp: 181245

Ion Ratio Lower Upper

91 100

120 23.4 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

150000

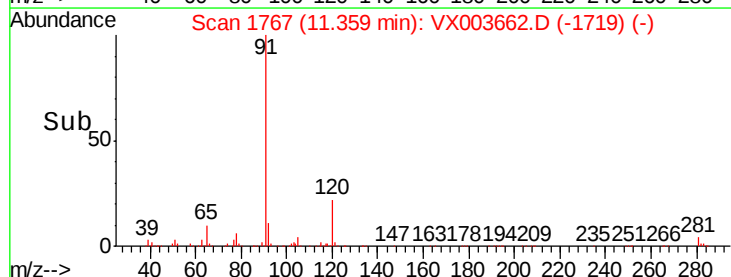
100000

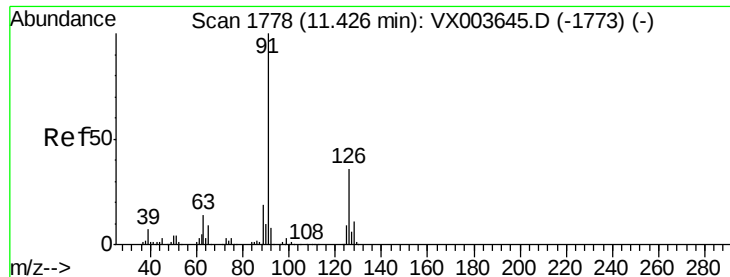
50000

0

11.35 11.40

Time-->





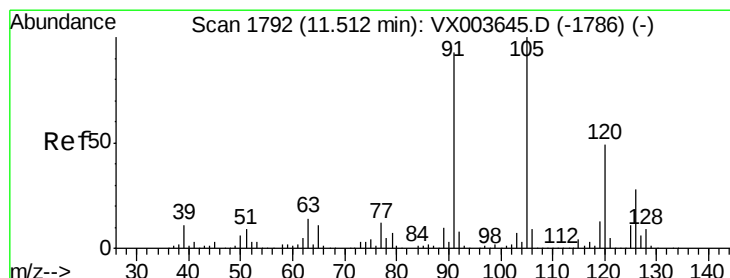
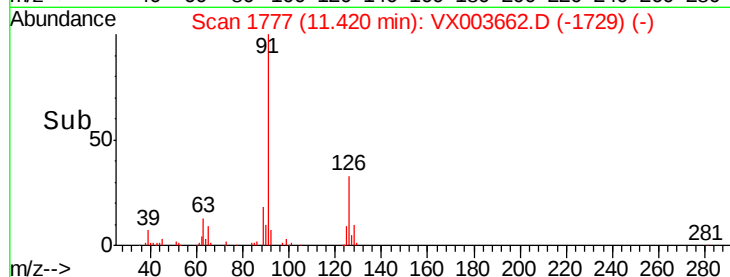
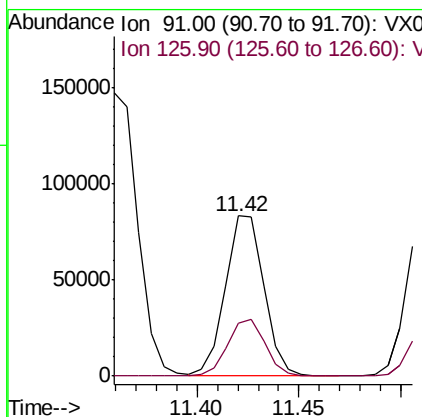
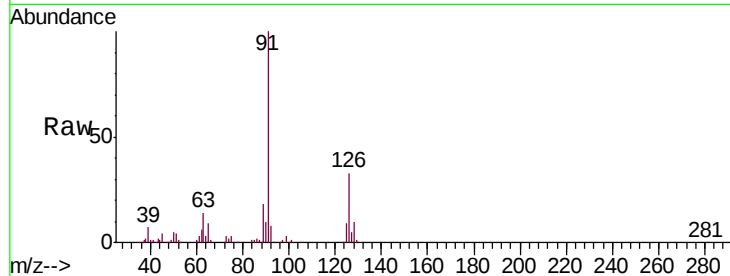
#79
2-Chlorotoluene
Concen: 20.84 ug/l
RT: 11.42 min Scan# 1777
Delta R.T. -0.01 min
Lab File: VX003662.D
Acq: 25 Jul 2018 17:16

Instrument :
MSVOA_X
ClientSampleId :
VX0725WBSD01

Tot Ion: 91 Resp: 108030
Ion Ratio Lower Upper
91 100
126 35.3 17.3 52.0

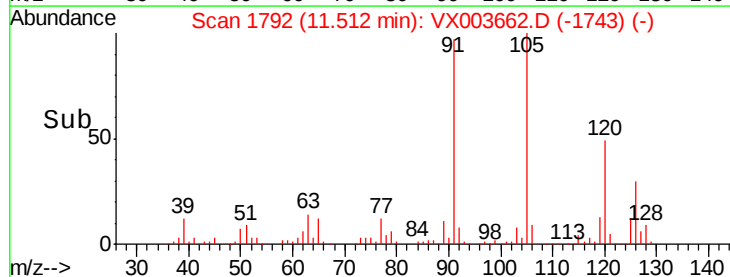
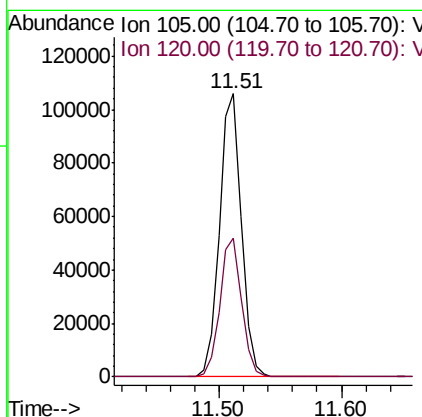
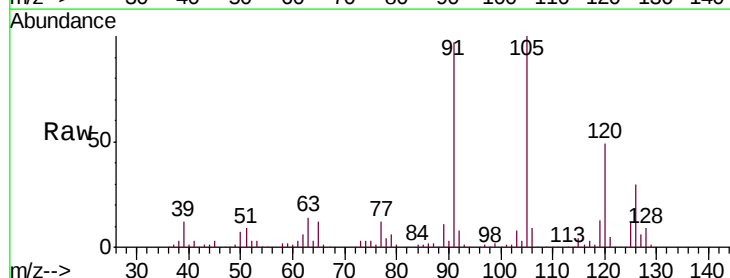
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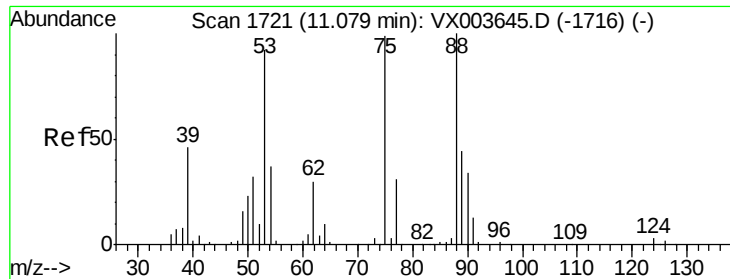
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 21.07 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX003662.D
Acq: 25 Jul 2018 17:16

Tgt Ion: 105 Resp: 131690
Ion Ratio Lower Upper
105 100
120 48.8 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 16.54 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX003662.D

Acq: 25 Jul 2018 17:16

Instrument :

MSVOA_X

ClientSampleId :

VX0725WBSD01

Tot Ion: 75 Resp: 12104

Ion Ratio Lower Upper

75 100

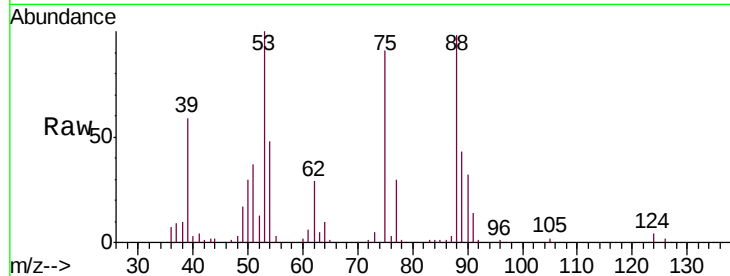
53 113.3 77.8 116.8

89 50.1 36.6 54.8

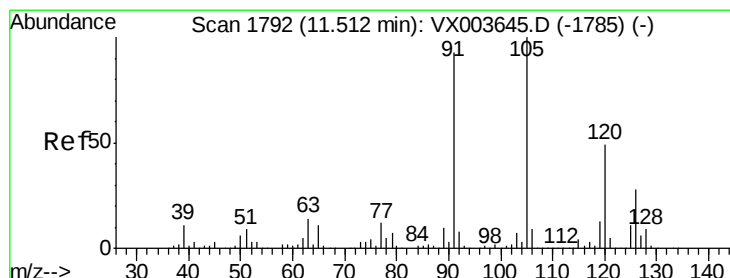
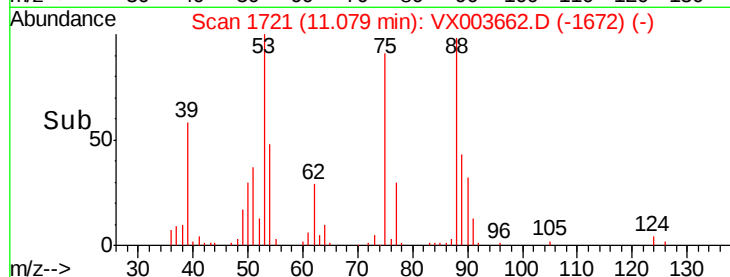
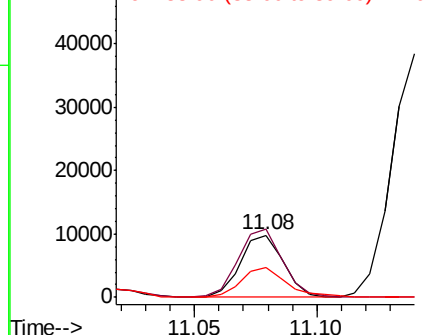
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Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 20.78 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX003662.D

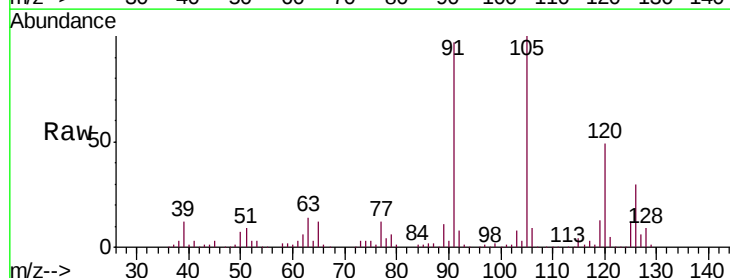
Acq: 25 Jul 2018 17:16

Tgt Ion: 91 Resp: 126874

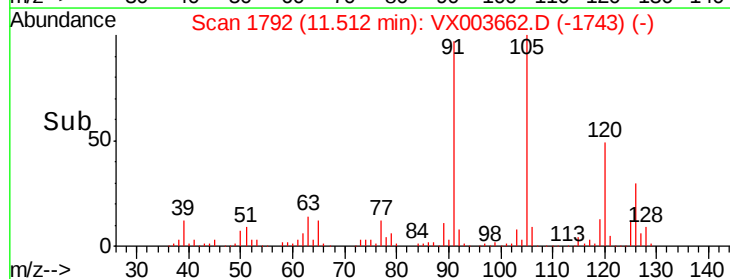
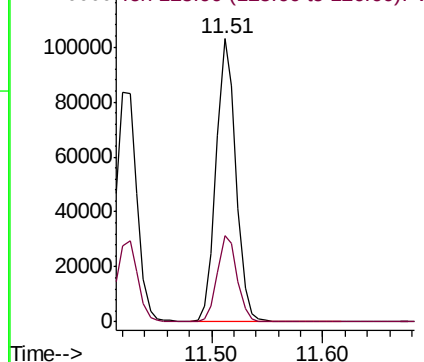
Ion Ratio Lower Upper

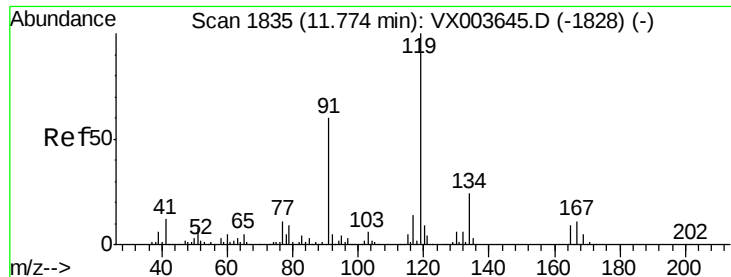
91 100

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





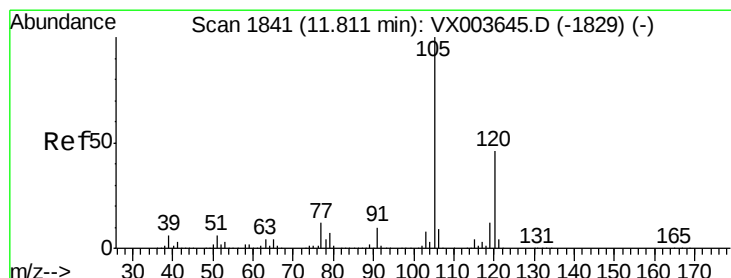
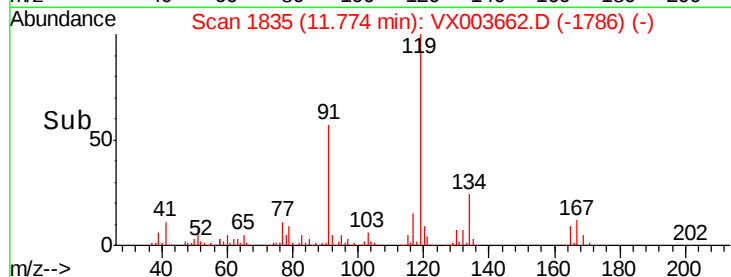
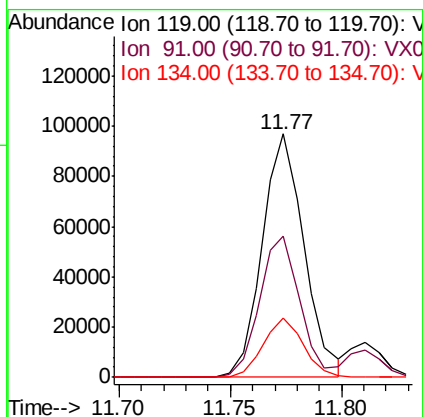
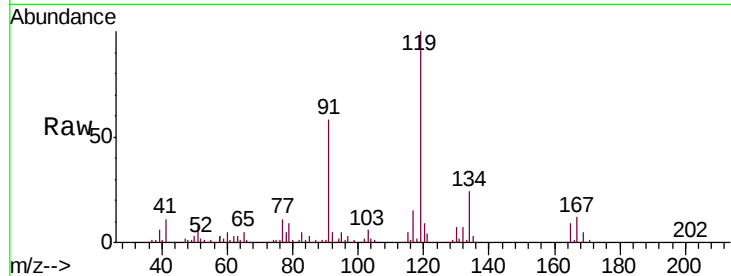
#83
tert-Butylbenzene
Concen: 20.67 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX003662.D
Acq: 25 Jul 2018 17:16

Instrument :
MSVOA_X
ClientSampleId :
VX0725WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	126381		
91	55.2	28.4	85.2	
134	23.4	11.6	34.8	

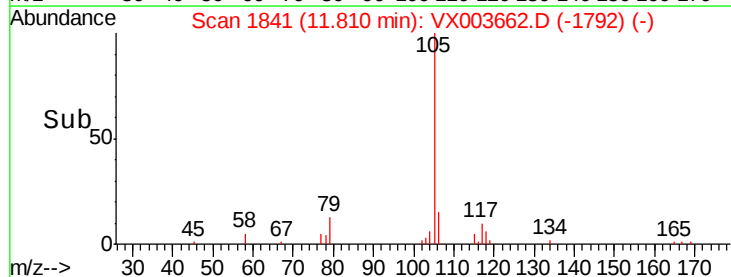
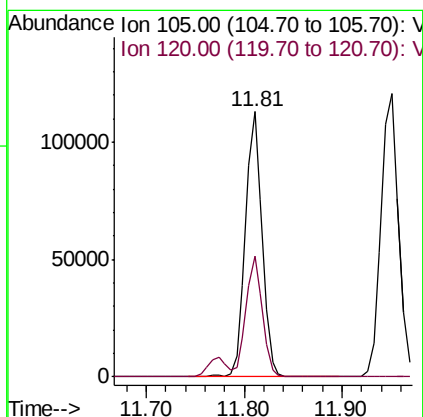
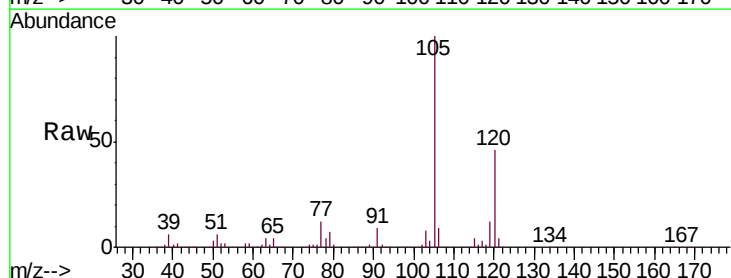
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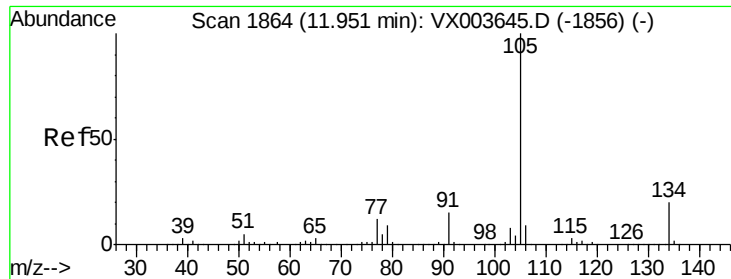
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.91 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX003662.D
Acq: 25 Jul 2018 17:16

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	134322		
120	44.7	22.6	67.8	





#85

sec-Butylbenzene

Concen: 20.54 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX003662.D

Acq: 25 Jul 2018 17:16

Instrument :

MSVOA_X

ClientSampleId :

VX0725WBSD01

Tot Ion:105 Resp: 149939

Ion Ratio Lower Upper

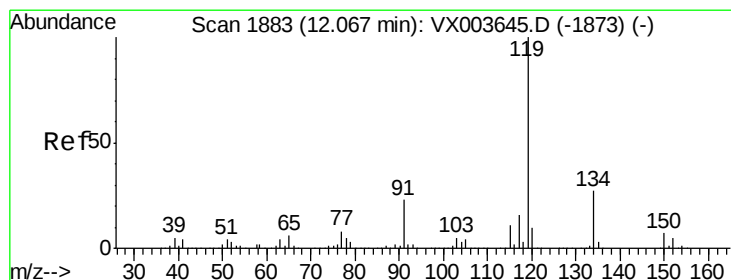
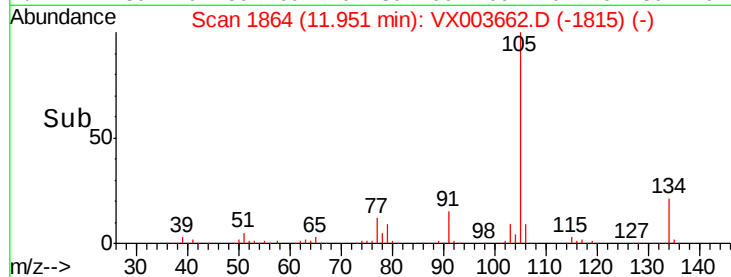
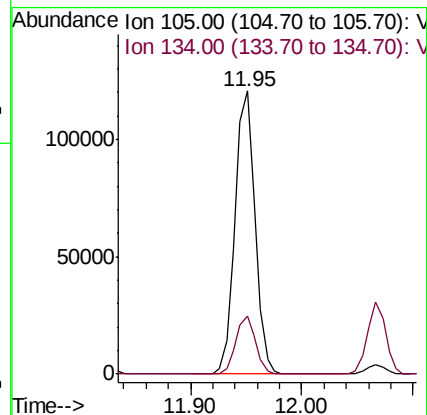
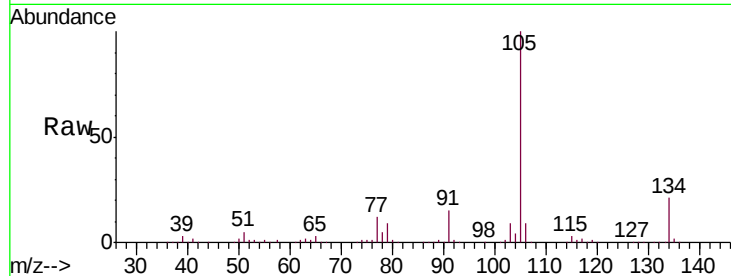
105 100

134 20.3 10.1 30.1

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#86

p-Isopropyltoluene

Concen: 20.27 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX003662.D

Acq: 25 Jul 2018 17:16

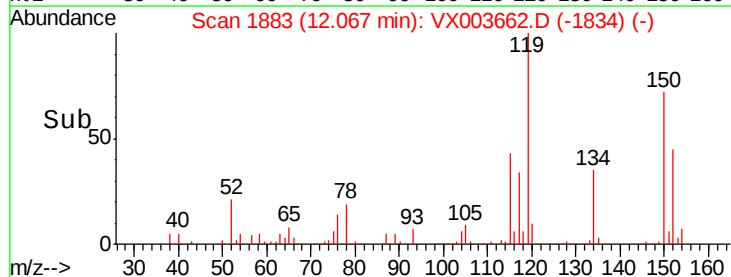
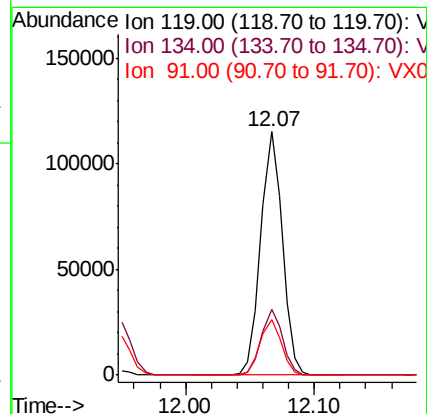
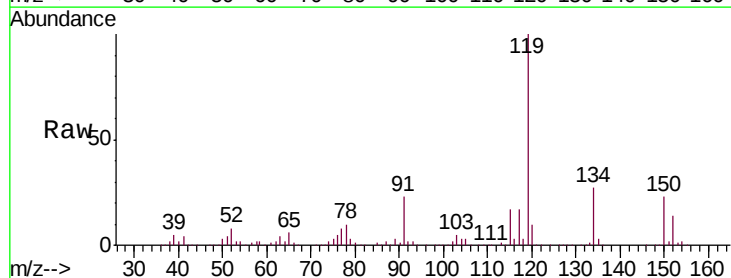
Tgt Ion:119 Resp: 132807

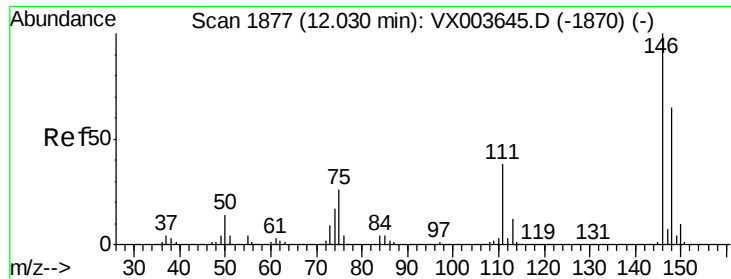
Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.9

91 22.9 11.5 34.5





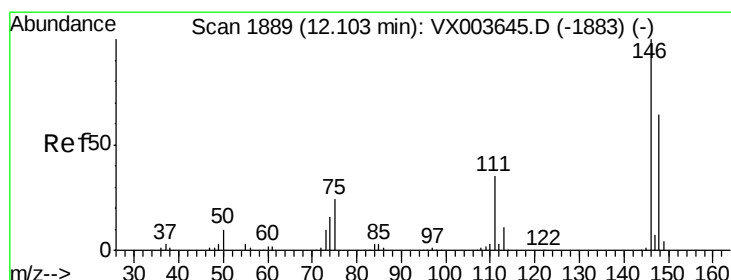
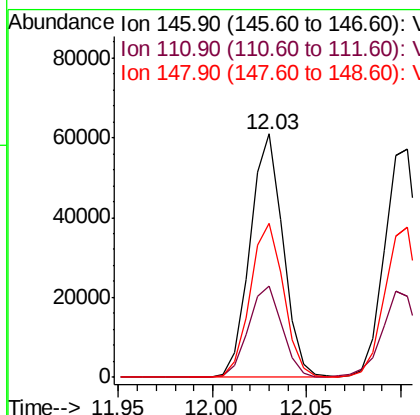
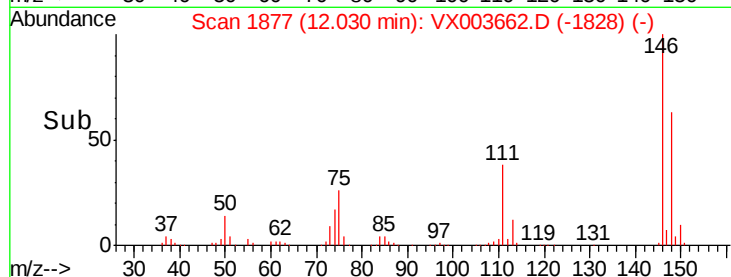
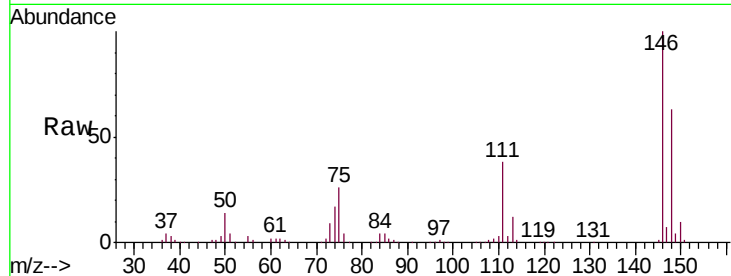
#87
 1,3-Dichlorobenzene
 Concen: 19.78 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX003662.D
 Acq: 25 Jul 2018 17:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0725WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.4	58.2
148	64.2	32.4	97.0

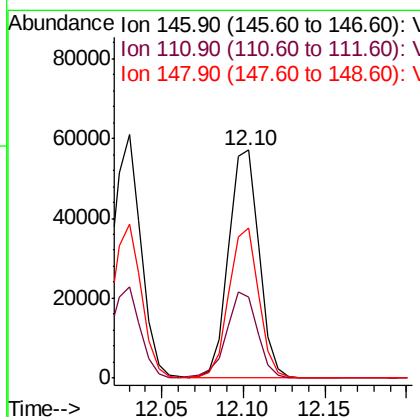
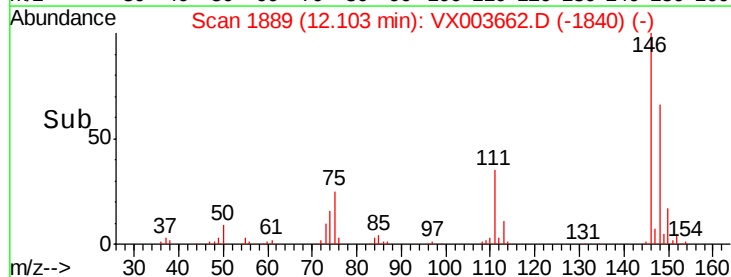
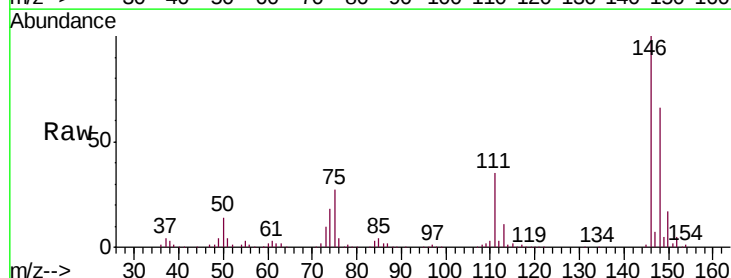
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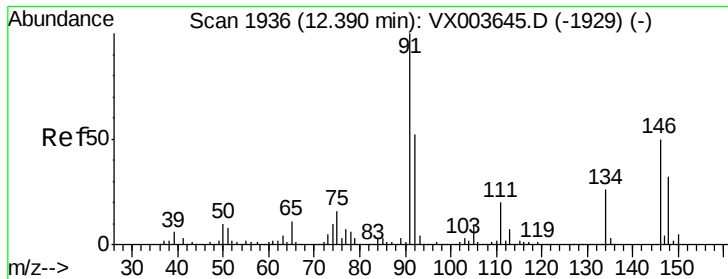
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#88
 1,4-Dichlorobenzene
 Concen: 19.10 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX003662.D
 Acq: 25 Jul 2018 17:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.6	55.6
148	64.7	32.0	96.2





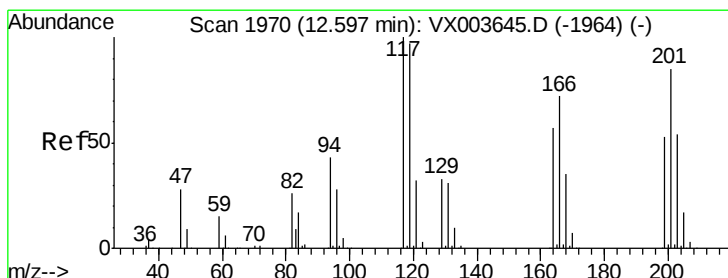
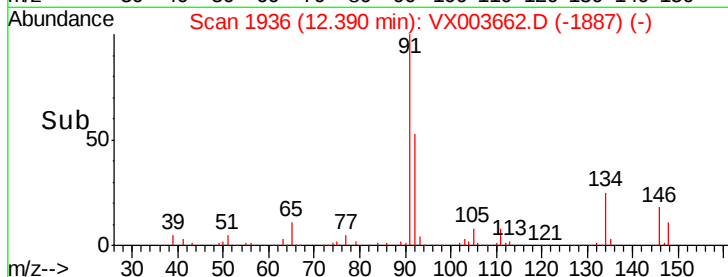
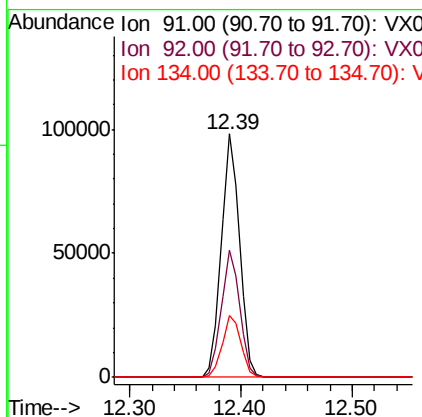
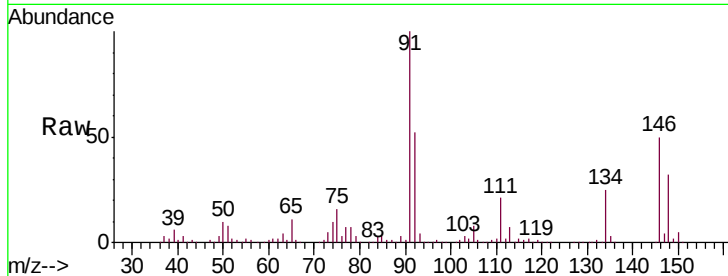
#89
n-Butylbenzene
Concen: 19.01 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX003662.D
Acq: 25 Jul 2018 17:16

Instrument :
MSVOA_X
ClientSampleId :
VX0725WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.3	78.9
134	25.7	13.3	39.8

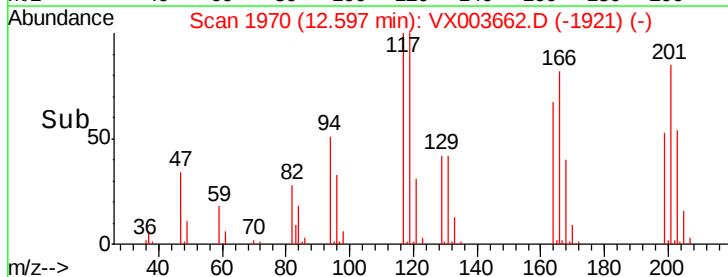
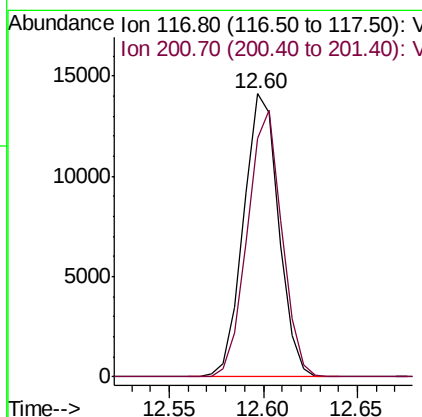
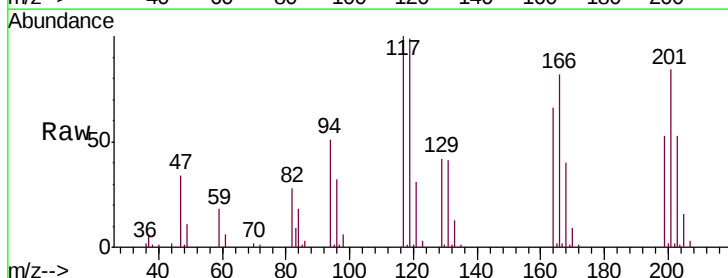
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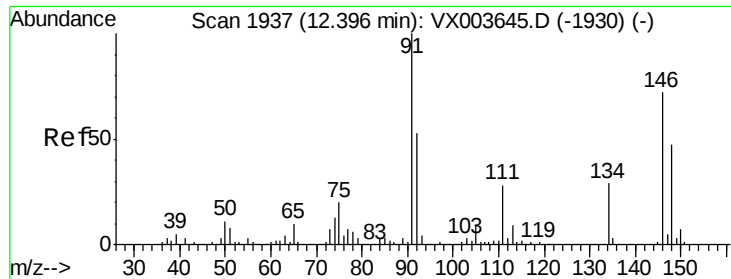
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#90
Hexachloroethane
Concen: 18.36 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX003662.D
Acq: 25 Jul 2018 17:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.3	46.2	138.5





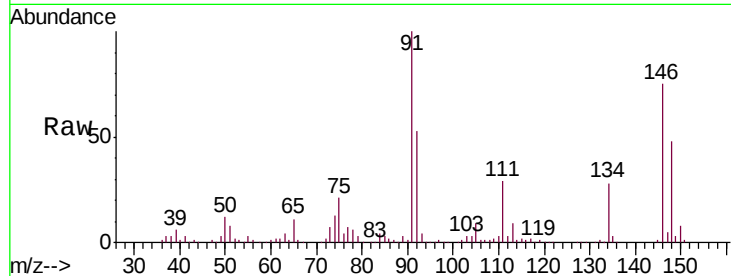
#91
 1,2-Dichlorobenzene
 Concen: 18.88 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX003662.D
 Acq: 25 Jul 2018 17:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0725WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.8	59.4
148	63.9	32.2	96.6

Manual Integrations
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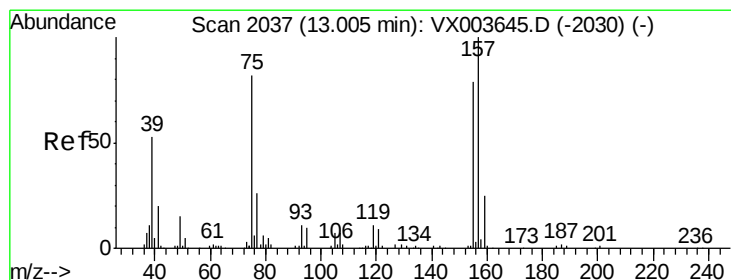
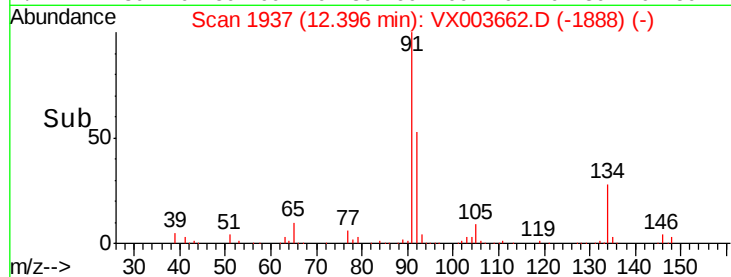
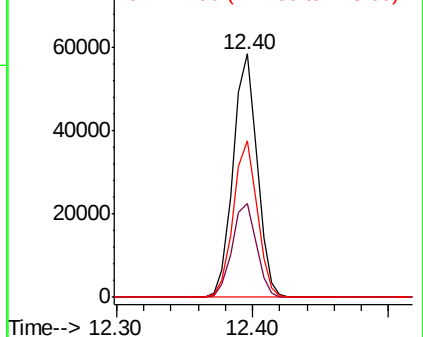


Abundance

Ion 145.90 (145.60 to 146.60): V

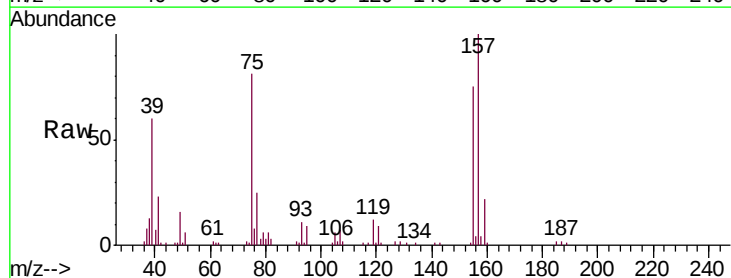
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.80 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX003662.D
 Acq: 25 Jul 2018 17:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.3	46.1	138.3
157	122.1	59.7	179.0

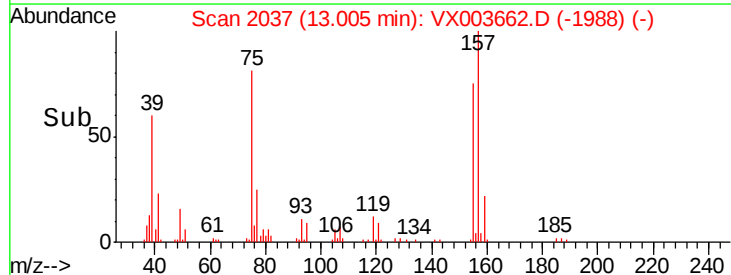
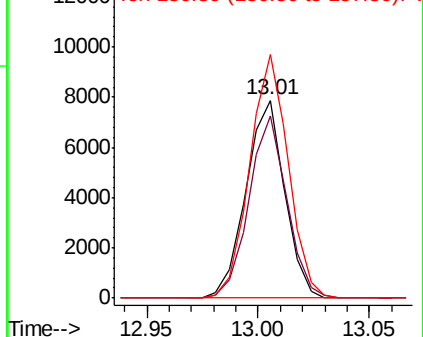


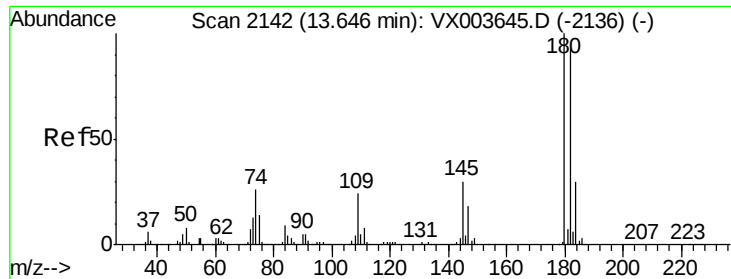
Abundance

Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





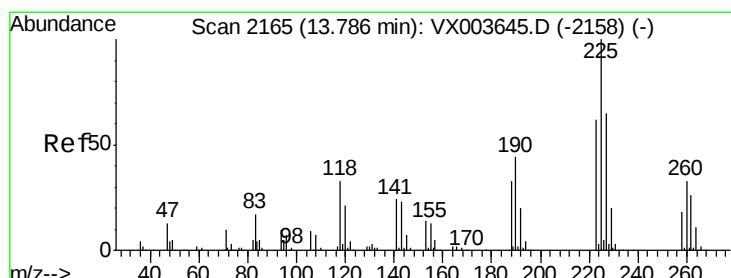
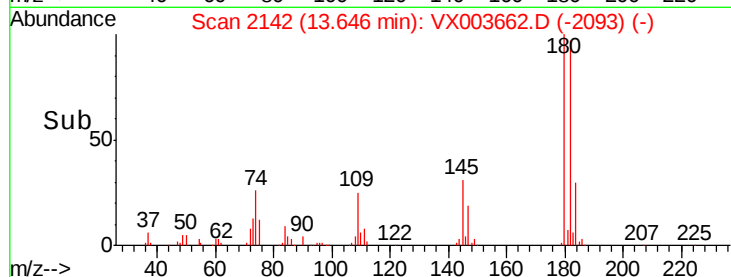
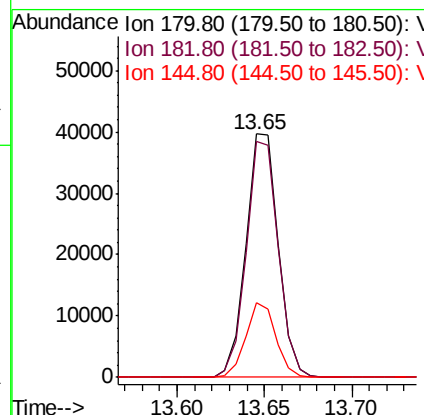
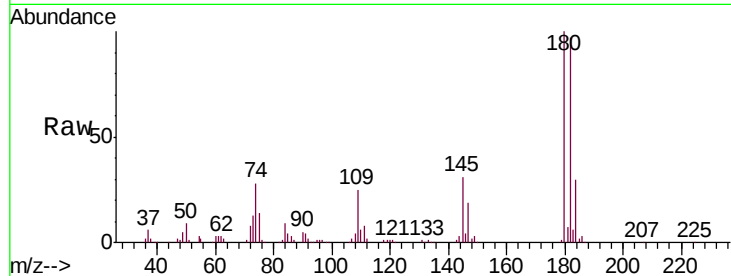
#93
 1,2,4-Trichlorobenzene
 Concen: 18.62 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX003662.D
 Acq: 25 Jul 2018 17:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0725WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.9	143.8
145	28.8	14.4	43.2

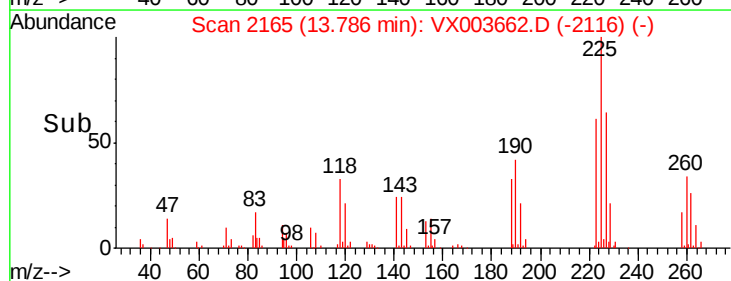
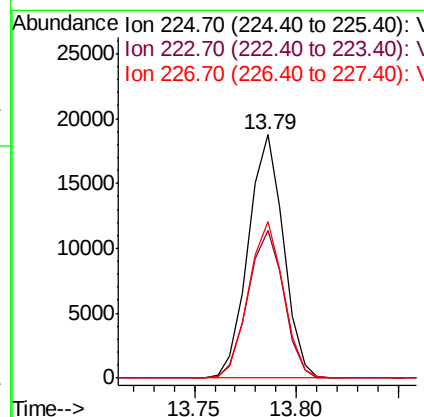
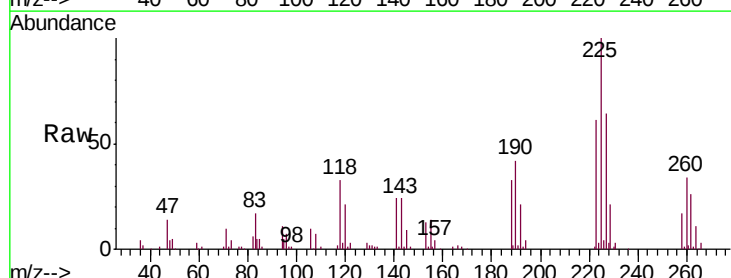
Manual Integrations
 APPROVED

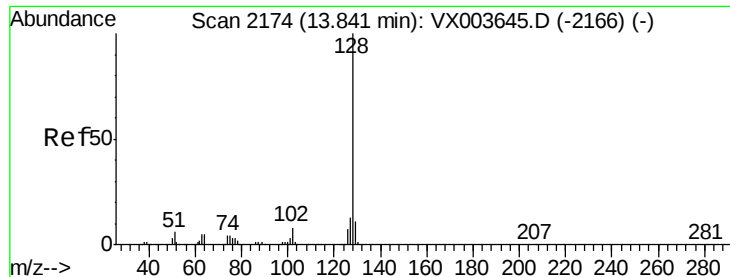
MMDadoda
 7/27/2018 5:29:52 PM



#94
 Hexachlorobutadiene
 Concen: 17.83 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX003662.D
 Acq: 25 Jul 2018 17:16

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	30.9	92.5
227	63.7	31.9	95.7





#95

Naphthalene

Concen: 18.28 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.01 min

Lab File: VX003662.D

Acq: 25 Jul 2018 17:16

Instrument :

MSVOA_X

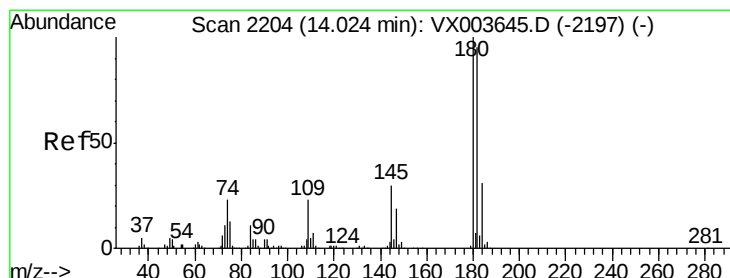
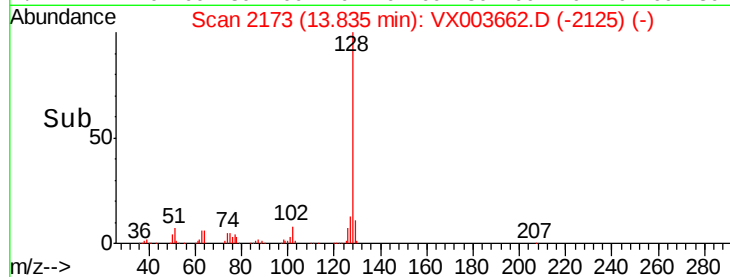
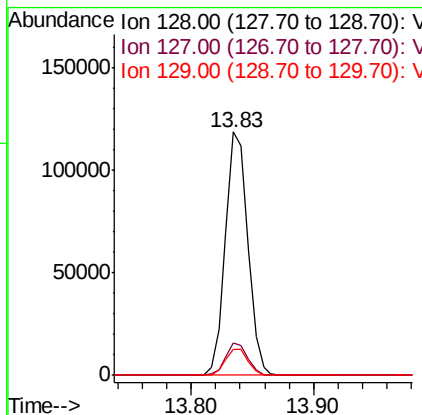
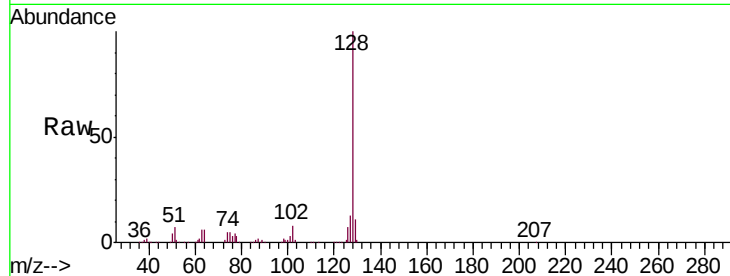
ClientSampleId :

VX0725WBSD01

Tot Ion:	128	Resp:	150575
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
7/27/2018 5:29:52 PM



#96

1,2,3-Trichlorobenzene

Concen: 17.09 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX003662.D

Acq: 25 Jul 2018 17:16

Tgt Ion:	180	Resp:	47292
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.6	142.8
145	30.9	15.0	45.1

