

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072618\
 Data File : VX003689.D
 Acq On : 27 Jul 2018 00:40
 Operator : JC/SP
 Sample : VX0726WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0726WBS02

Manual Integrations
 APPROVED

MMDadoda
 7/27/2018 5:40:46 PM

Quant Time: Jul 27 06:52:42 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	5.66	168	95288	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	158076	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	158000	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	94558	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	76124	53.93	ug/l	0.00
Spiked Amount			Recovery	=	107.86%	
35) Dibromofluoromethane	5.51	113	62218	48.15	ug/l	0.00
Spiked Amount			Recovery	=	96.30%	
50) Toluene-d8	8.72	98	253470	51.40	ug/l	0.00
Spiked Amount			Recovery	=	102.80%	
62) 4-Bromofluorobenzene	11.14	95	91057	50.62	ug/l	0.00
Spiked Amount			Recovery	=	101.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	22280	20.53	ug/l	99
3) Chloromethane	1.32	50	29838	20.87	ug/l	100
4) Vinyl Chloride	1.40	62	31747	21.71	ug/l	96
5) Bromomethane	1.64	94	17804	25.22	ug/l	92
6) Chloroethane	1.72	64	22926	22.29	ug/l	98
7) Trichlorofluoromethane	1.93	101	42047	22.34	ug/l	99
8) Diethyl Ether	2.19	74	18533	22.47	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	25951	22.40	ug/l	100
10) Methyl Iodide	2.51	142	33802	23.45	ug/l	98
11) Tert butyl alcohol	3.08	59	37534	111.24	ug/l	99
12) 1,1-Dichloroethene	2.37	96	24187	21.95	ug/l	95
13) Acrolein	2.29	56	19800	118.22	ug/l	98
14) Allyl chloride	2.73	41	48714	21.20	ug/l	98
15) Acrylonitrile	3.15	53	92609	113.60	ug/l	98
16) Acetone	2.45	43	73254	110.47	ug/l	100
17) Carbon Disulfide	2.57	76	67332	21.24	ug/l	99
18) Methyl Acetate	2.78	43	47683	23.81	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	86617	22.25	ug/l	97
20) Methylene Chloride	2.86	84	29347	22.34	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	26316	22.20	ug/l	99
22) Diisopropyl ether	3.88	45	87415	20.84	ug/l	# 91
23) Vinyl Acetate	3.83	43	376697	104.83	ug/l	99
24) 1,1-Dichloroethane	3.70	63	53178	22.49	ug/l	98
25) 2-Butanone	4.71	43	102493	100.05	ug/l	97
26) 2,2-Dichloropropane	4.59	77	21167	14.16	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	24484	19.03	ug/l	98
28) Bromochloromethane	5.03	49	17407	18.35	ug/l	98
29) Tetrahydrofuran	5.17	42	66813	100.19	ug/l	99
30) Chloroform	5.22	83	44994	20.98	ug/l	98
31) Cyclohexane	5.57	56	37824	19.93	ug/l	100
32) 1,1,1-Trichloroethane	5.50	97	39054	21.93	ug/l	97
36) 1,1-Dichloropropene	5.80	75	32311	17.49	ug/l	98
37) Ethyl Acetate	4.87	43	37541	16.90	ug/l	98
38) Carbon Tetrachloride	5.78	117	31662	17.78	ug/l	95

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Manual Integrations
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Quant Time: Jul 27 06:52:42 2018
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 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	34810	17.12	ug/l	96
40) Benzene	6.15	78	99775	18.25	ug/l	98
41) Methacrylonitrile	5.07	41	20513	16.67	ug/l	98
42) 1,2-Dichloroethane	6.20	62	36418	18.92	ug/l	99
43) Isopropyl Acetate	6.47	43	58919	18.18	ug/l	98
44) Trichloroethene	7.21	130	26071	17.78	ug/l	97
45) 1,2-Dichloropropane	7.52	63	27119	19.19	ug/l	98
46) Dibromomethane	7.66	93	17551	19.33	ug/l	96
47) Bromodichloromethane	7.90	83	31640	18.59	ug/l	98
48) Methyl methacrylate	7.78	41	32478	19.75	ug/l	98
49) 1,4-Dioxane	7.76	88	13718	373.84	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	218213	99.78	ug/l	100
52) Toluene	8.79	92	70431	20.72	ug/l	99
53) t-1,3-Dichloropropene	9.05	75	35965	19.08	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	40436	19.50	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	28913	20.81	ug/l	98
56) Ethyl methacrylate	9.18	69	41906	20.27	ug/l	99
57) 1,3-Dichloropropane	9.38	76	48764	20.90	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	105311	101.36	ug/l	99
59) 2-Hexanone	9.50	43	166133	99.03	ug/l	100
60) Dibromochloromethane	9.59	129	27448	20.83	ug/l	100
61) 1,2-Dibromoethane	9.68	107	29651	20.50	ug/l	99
64) Tetrachloroethene	9.34	164	28448	19.69	ug/l	98
65) Chlorobenzene	10.14	112	78740	19.80	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	27831	20.13	ug/l	98
67) Ethyl Benzene	10.26	91	129549	19.46	ug/l	99
68) m/p-Xylenes	10.36	106	102472	40.13	ug/l	100
69) o-Xylene	10.70	106	48112	19.57	ug/l	98
70) Styrene	10.71	104	83023	20.11	ug/l	99
71) Bromoform	10.86	173	21050	19.26	ug/l #	98
73) Isopropylbenzene	11.02	105	133379	20.65	ug/l	100
74) N-amyl acetate	6.47	43	58919	17.49	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	46368	19.44	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	39154m	19.74	ug/l	
77) Bromobenzene	11.26	156	35683	20.34	ug/l	97
78) n-propylbenzene	11.37	91	151968	20.37	ug/l	100
79) 2-Chlorotoluene	11.43	91	91707	20.23	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	113149	20.70	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	10882	17.00	ug/l	96
82) 4-Chlorotoluene	11.51	91	108239	20.27	ug/l	100
83) tert-Butylbenzene	11.77	119	107914	20.18	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	116490	20.74	ug/l	99
85) sec-Butylbenzene	11.95	105	129522	20.29	ug/l	100
86) p-Isopropyltoluene	12.07	119	116198	20.28	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	65504	20.04	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	66615	19.61	ug/l	98
89) n-Butylbenzene	12.39	91	96818	18.75	ug/l	100
90) Hexachloroethane	12.60	117	17696	20.39	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	66580	19.94	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	9269	18.66	ug/l	94

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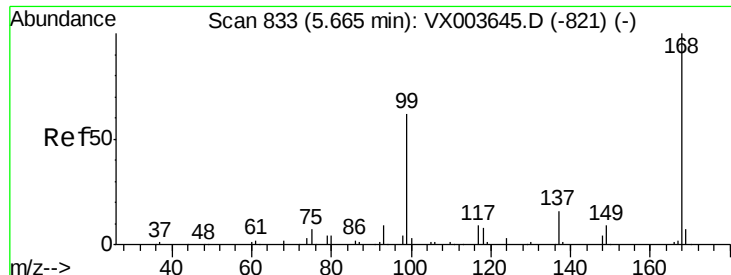
Manual Integrations
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QLast Update : Fri Jul 27 02:16:51 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	46068	19.34	ug/l	100
94) Hexachlorobutadiene	13.79	225	21350	19.37	ug/l	99
95) Naphthalene	13.84	128	141520	19.64	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	47917	19.80	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX003689.D

Acq: 27 Jul 2018 00:40

Instrument :

MSVOA_X

ClientSampleId :

VX0726WBS02

Tot Ion:168 Resp: 95288

Ion Ratio Lower Upper

168 100

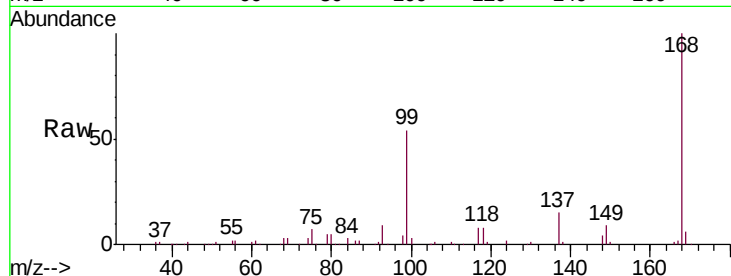
99 54.4 49.5 74.3

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

40000

30000

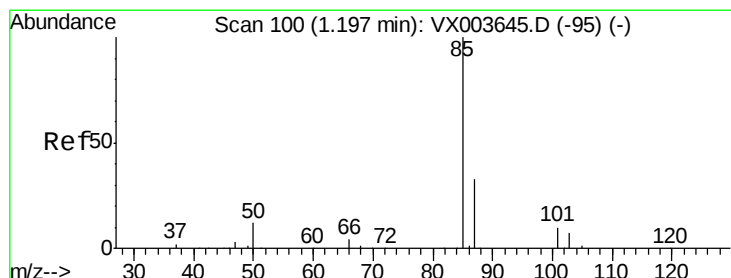
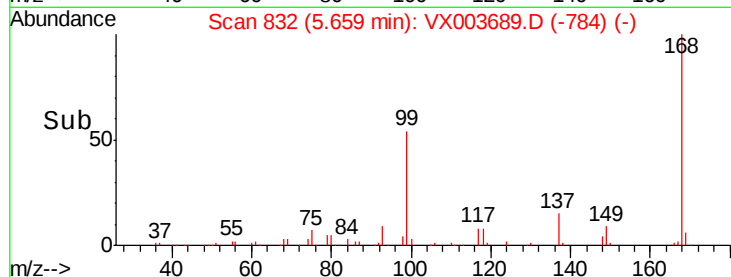
20000

10000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.53 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX003689.D

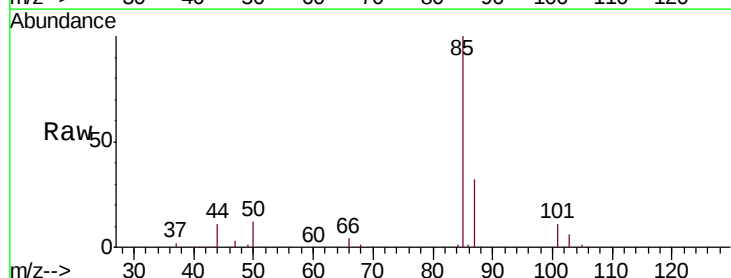
Acq: 27 Jul 2018 00:40

Tgt Ion: 85 Resp: 22280

Ion Ratio Lower Upper

85 100

87 32.4 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

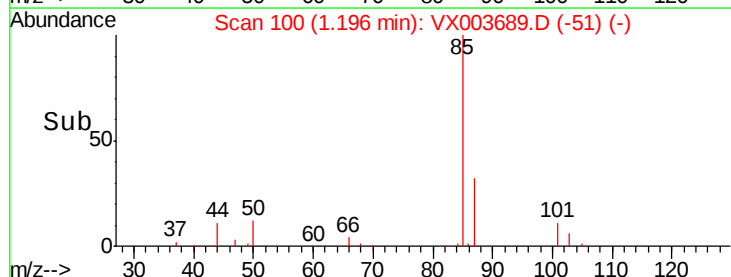
10000

5000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 20.87 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX003689.D

Acq: 27 Jul 2018 00:40

Instrument :

MSVOA_X

ClientSampleId :

VX0726WBS02

Tot Ion: 50 Resp: 29838

Ion Ratio Lower Upper

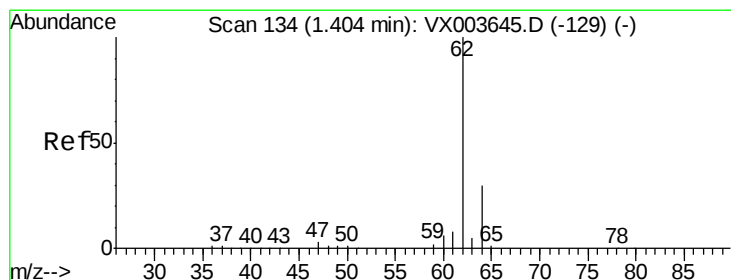
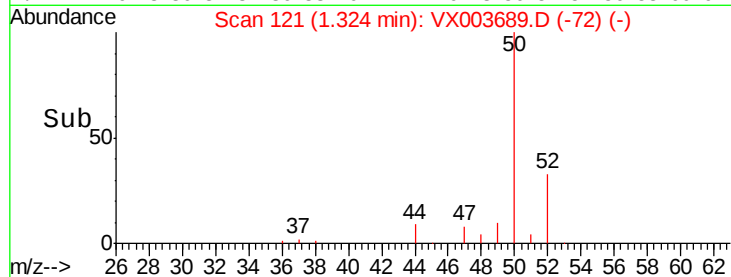
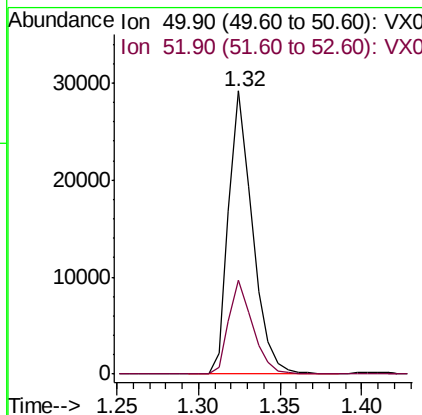
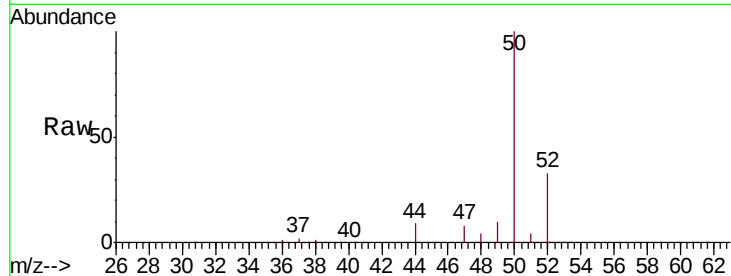
50 100

52 33.0 26.3 39.5

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#4

Vinyl Chloride

Concen: 21.71 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX003689.D

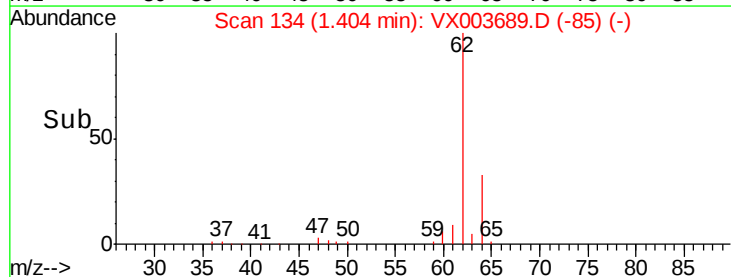
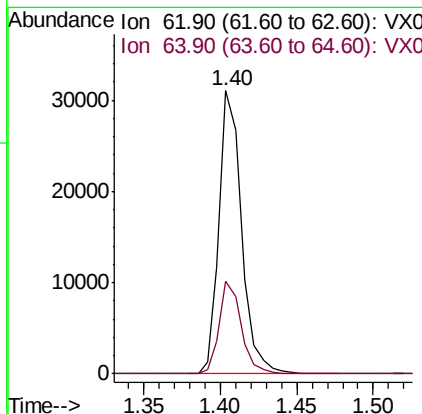
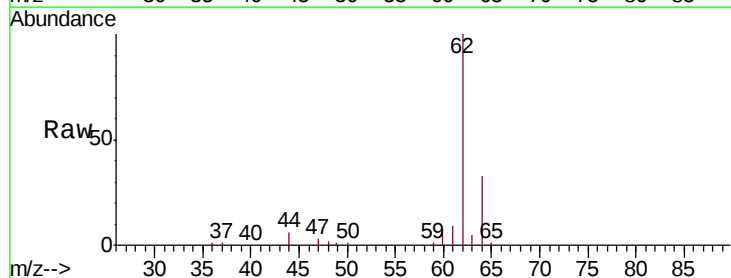
Acq: 27 Jul 2018 00:40

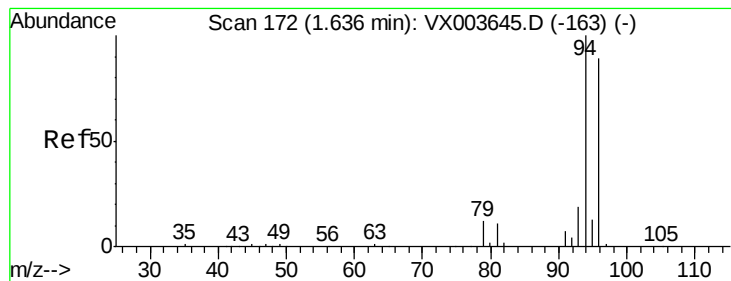
Tgt Ion: 62 Resp: 31747

Ion Ratio Lower Upper

62 100

64 32.7 24.4 36.6





#5

Bromomethane

Concen: 25.22 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.00 min

Lab File: VX003689.D

Acq: 27 Jul 2018 00:40

Instrument :

MSVOA_X

ClientSampleId :

VX0726WBS02

Tot Ion: 94 Resp: 17804

Ion Ratio Lower Upper

94 100

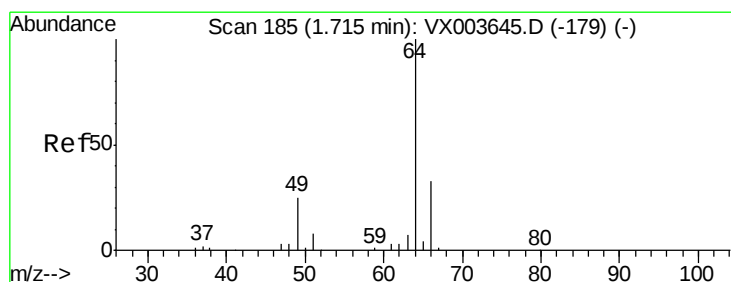
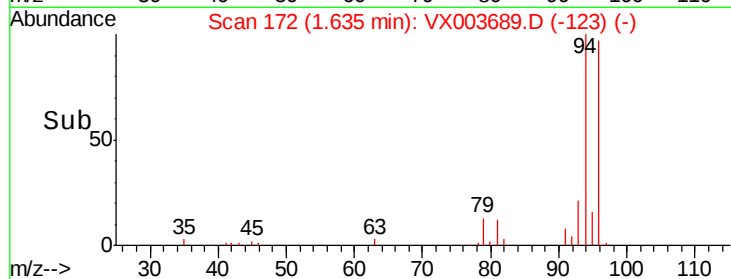
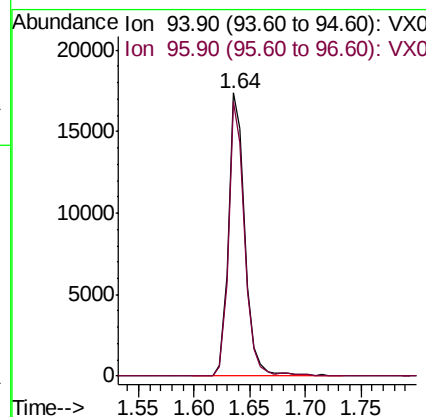
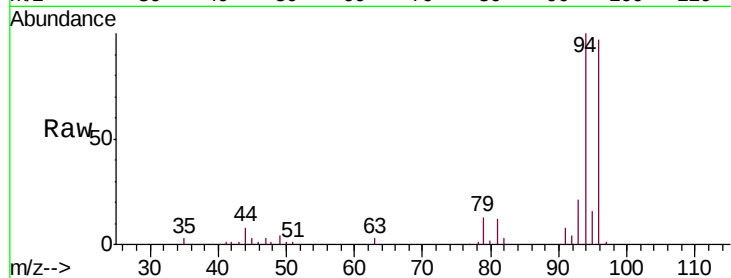
96 97.0 71.3 106.9

Manual Integrations

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#6

Chloroethane

Concen: 22.29 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX003689.D

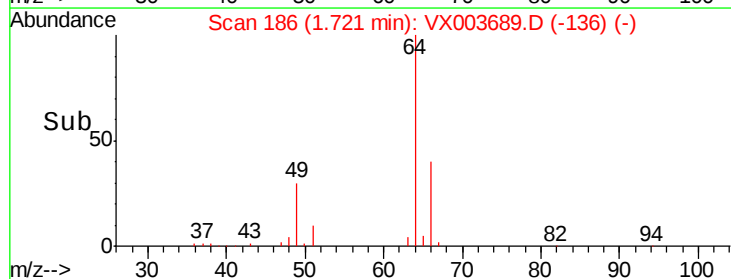
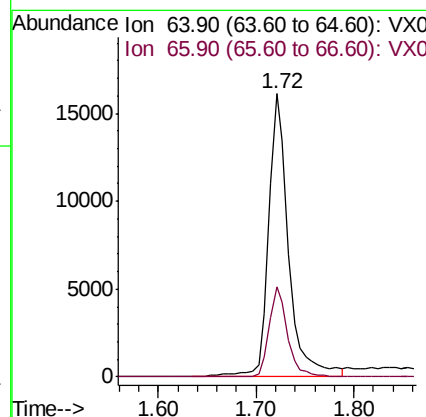
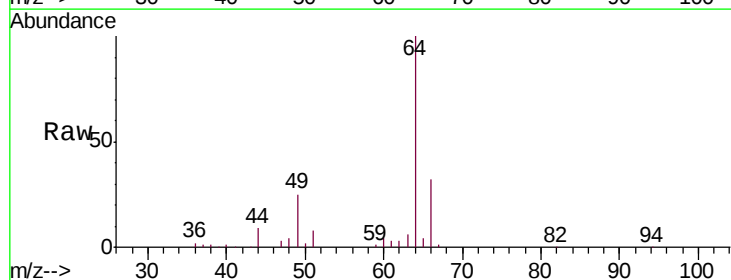
Acq: 27 Jul 2018 00:40

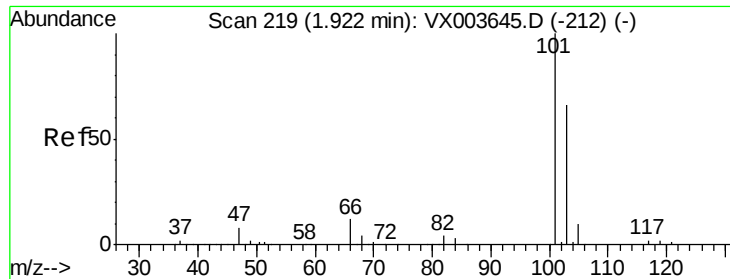
Tgt Ion: 64 Resp: 22926

Ion Ratio Lower Upper

64 100

66 31.8 26.3 39.5





#7

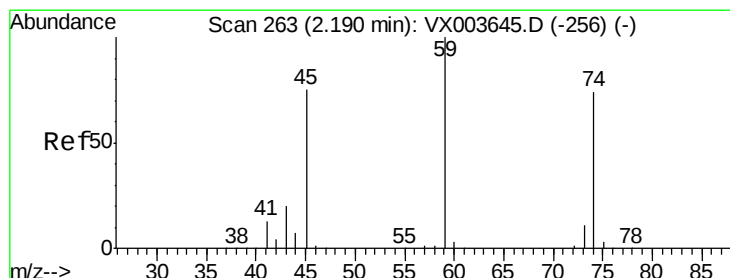
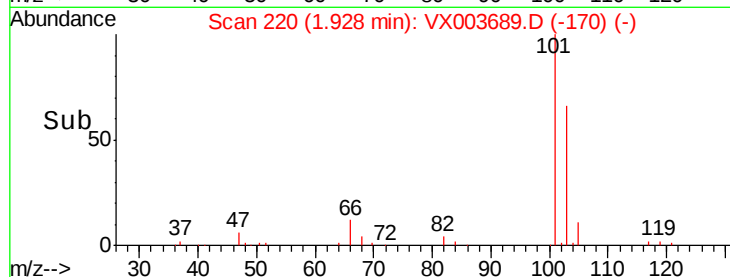
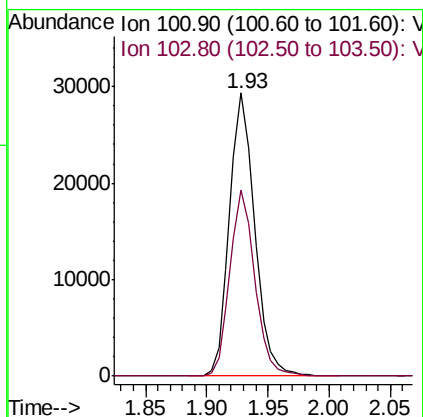
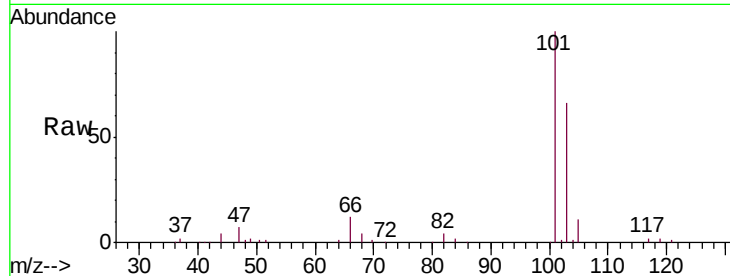
Trichlorofluoromethane
Concen: 22.34 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX003689.D
Acq: 27 Jul 2018 00:40

Instrument :
MSVOA_X
ClientSampleId :
VX0726WBS02

Tot Ion:101 Resp: 42047
Ion Ratio Lower Upper
101 100
103 65.7 53.2 79.8

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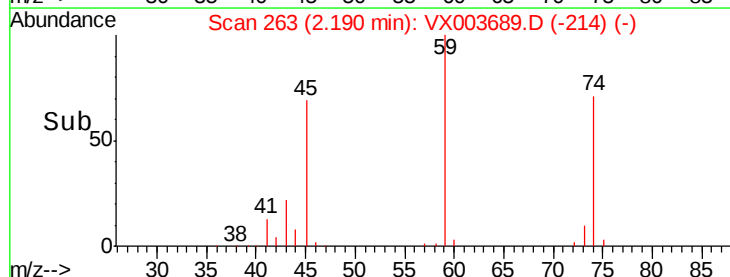
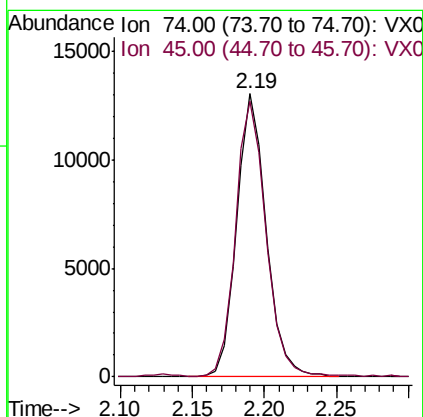
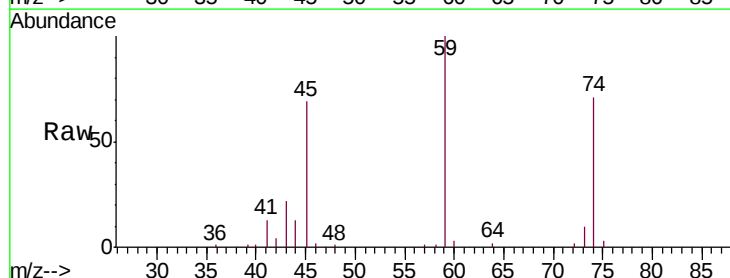
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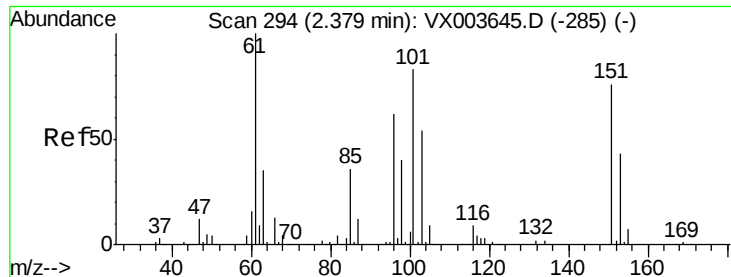


#8

Diethyl Ether
Concen: 22.47 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX003689.D
Acq: 27 Jul 2018 00:40

Tgt Ion: 74 Resp: 18533
Ion Ratio Lower Upper
74 100
45 101.5 51.0 153.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.40 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX003689.D

Acq: 27 Jul 2018 00:40

Instrument :

MSVOA_X

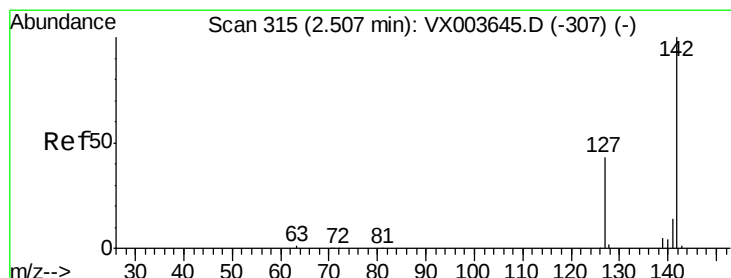
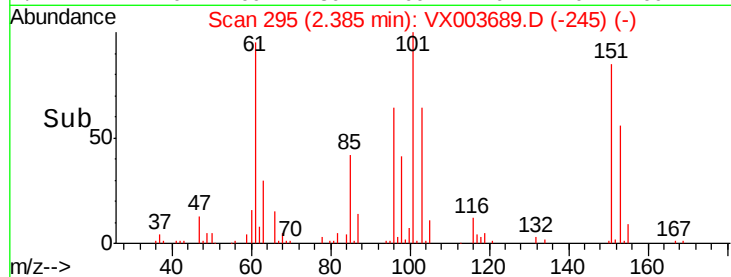
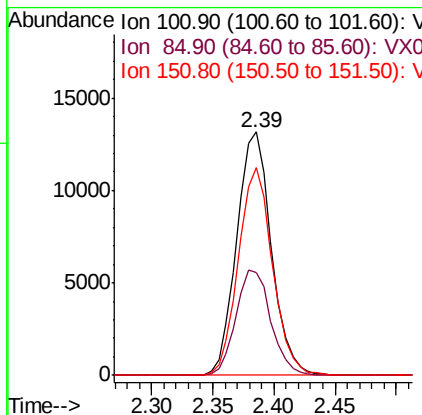
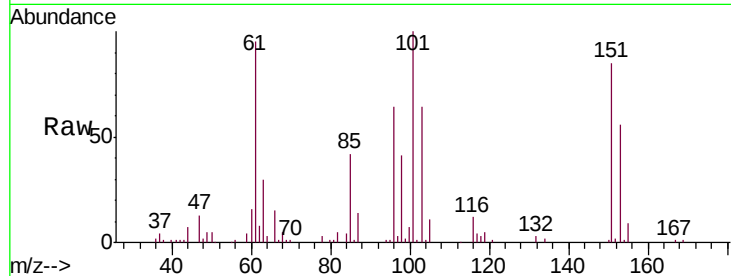
ClientSampleId :

VX0726WBS02

Tot Ion:	101	Resp:	25951
Ion Ratio	Lower	Upper	
101	100		
85	43.3	34.6	52.0
151	83.8	67.5	101.3

Manual Integrations
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#10

Methyl Iodide

Concen: 23.45 ug/l

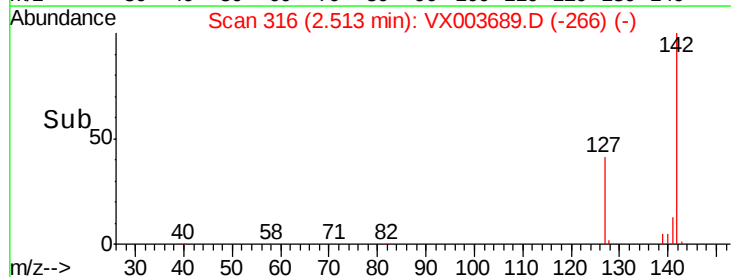
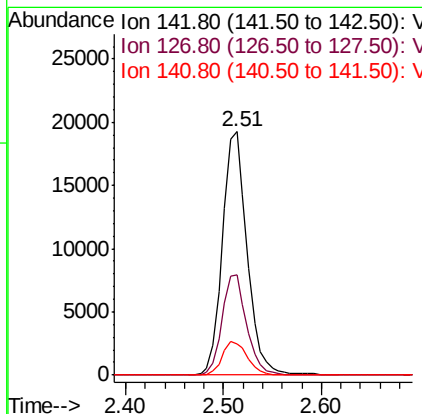
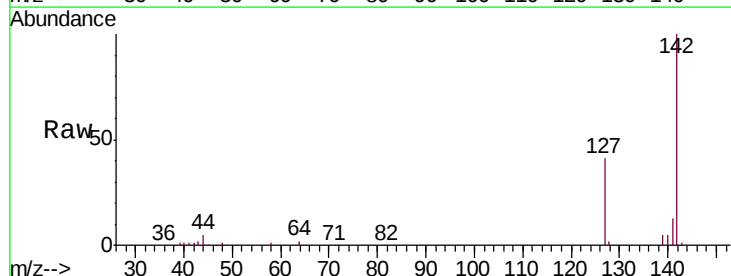
RT: 2.51 min Scan# 316

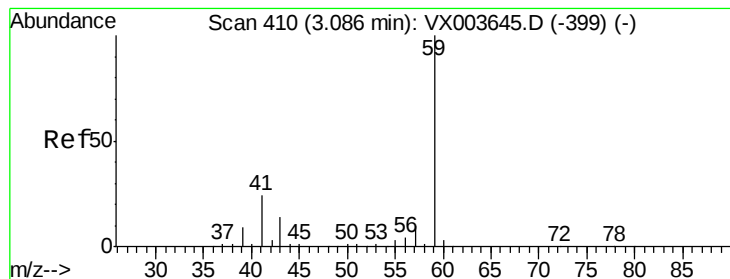
Delta R.T. 0.01 min

Lab File: VX003689.D

Acq: 27 Jul 2018 00:40

Tgt Ion:	142	Resp:	33802
Ion Ratio	Lower	Upper	
142	100		
127	41.1	34.0	51.0
141	13.9	11.3	16.9





#11

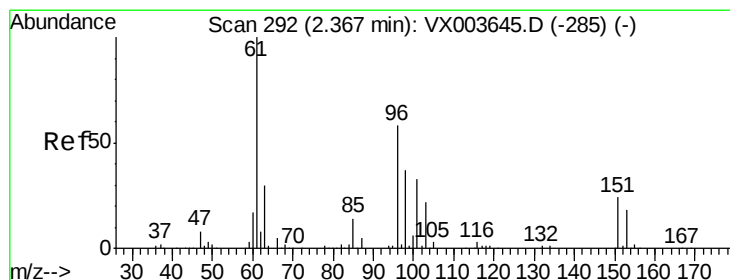
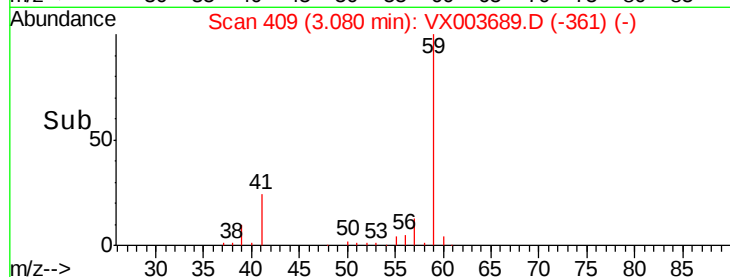
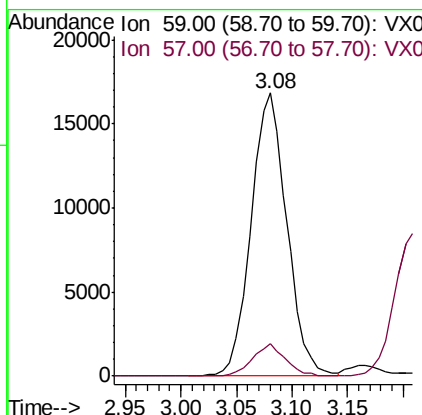
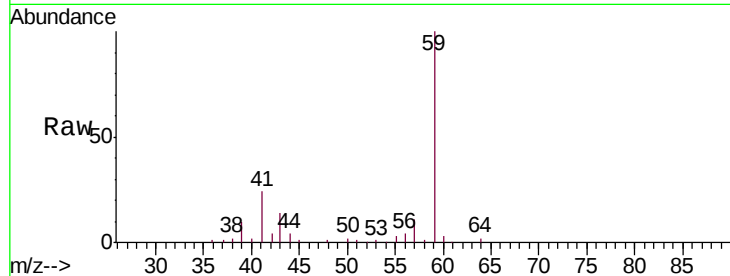
Tert butyl alcohol
Concen: 111.24 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.01 min
Lab File: VX003689.D
Acq: 27 Jul 2018 00:40

Instrument :
MSVOA_X
ClientSampleId :
VX0726WBS02

Tot Ion	59	Resp	37534
Ion Ratio	100	Lower	Upper
57	10.5	8.2	12.4

Manual Integrations
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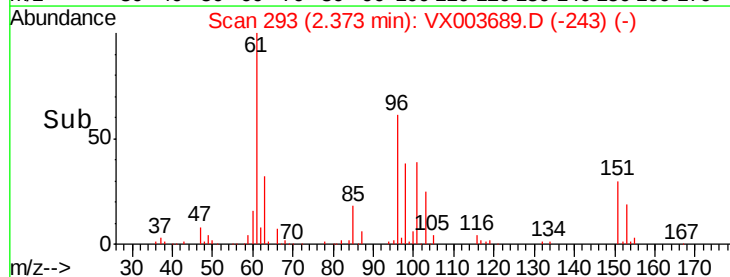
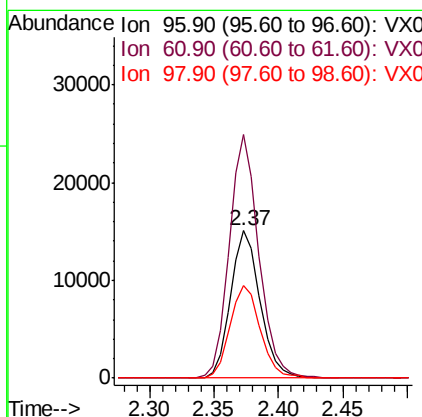
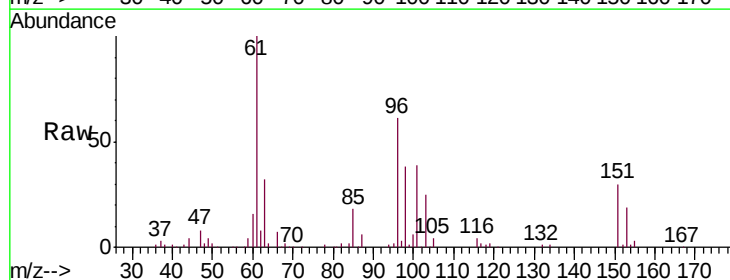
MMDadoda
7/27/2018 5:40:46 PM

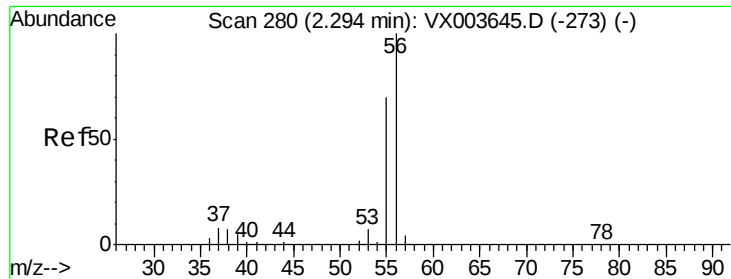


#12

1,1-Dichloroethene
Concen: 21.95 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.01 min
Lab File: VX003689.D
Acq: 27 Jul 2018 00:40

Tgt Ion	96	Resp	24187
Ion Ratio	100	Lower	Upper
61	165.1	138.8	208.2
98	62.9	51.4	77.2





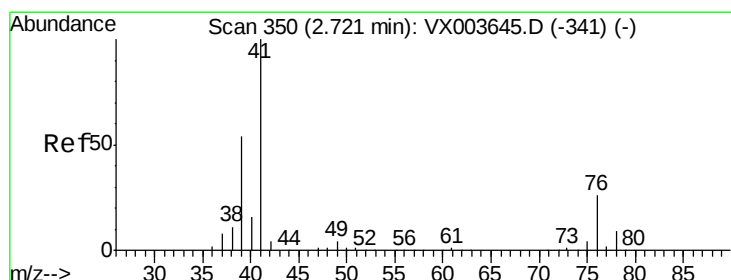
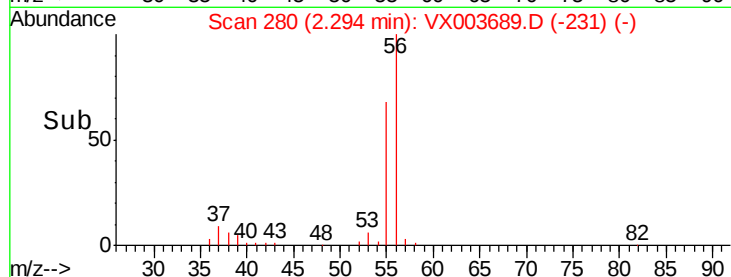
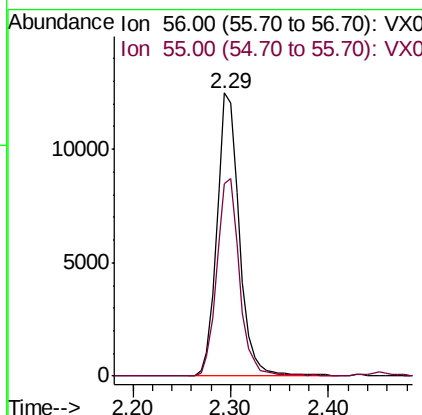
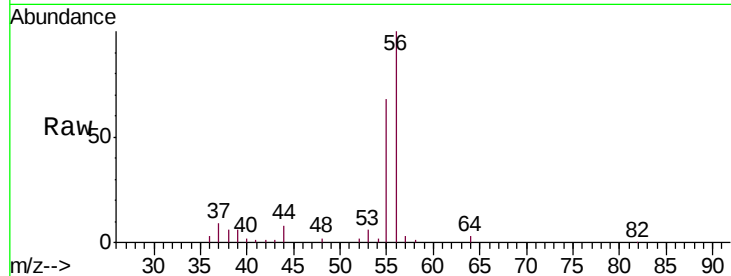
#13
Acrolein
Concen: 118.22 ug/l
RT: 2.29 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX003689.D
Acq: 27 Jul 2018 00:40

Instrument :
MSVOA_X
ClientSampleId :
VX0726WBS02

Tot Ion: 56 Resp: 19800
Ion Ratio Lower Upper
56 100
55 70.9 55.4 83.2

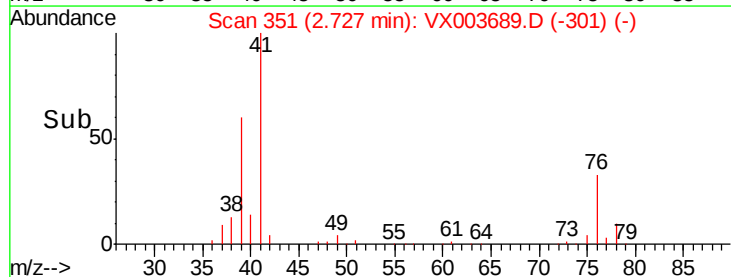
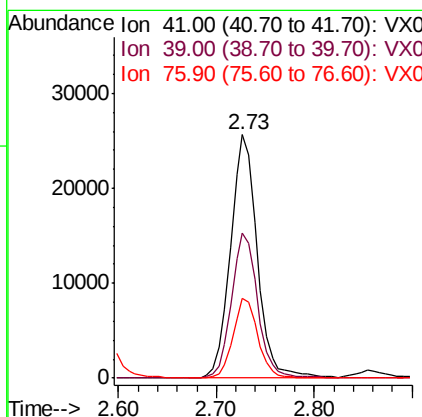
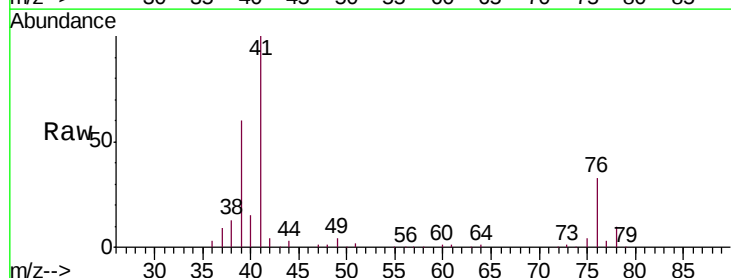
Manual Integrations
APPROVED

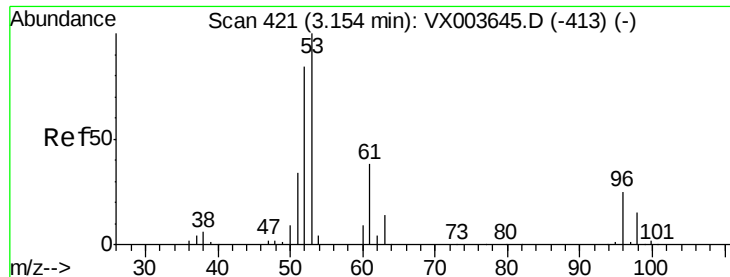
MMDadoda
7/27/2018 5:40:46 PM



#14
Allyl chloride
Concen: 21.20 ug/l
RT: 2.73 min Scan# 351
Delta R.T. 0.01 min
Lab File: VX003689.D
Acq: 27 Jul 2018 00:40

Tgt Ion: 41 Resp: 48714
Ion Ratio Lower Upper
41 100
39 58.3 45.3 67.9
76 30.3 23.8 35.6





#15

Acrylonitrile

Concen: 113.60 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX003689.D

Acq: 27 Jul 2018 00:40

Instrument :

MSVOA_X

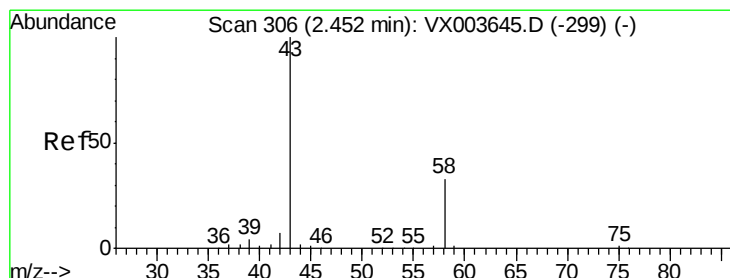
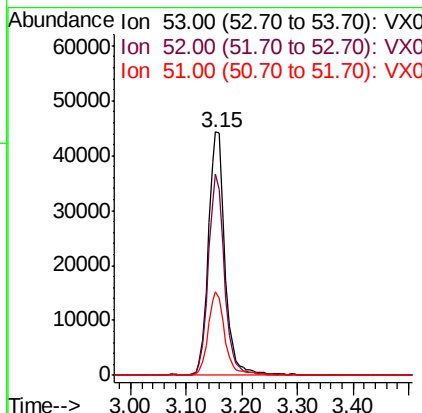
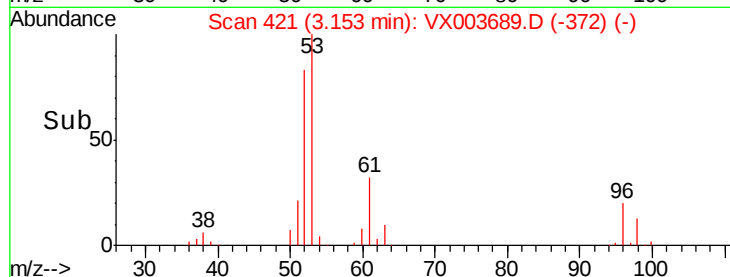
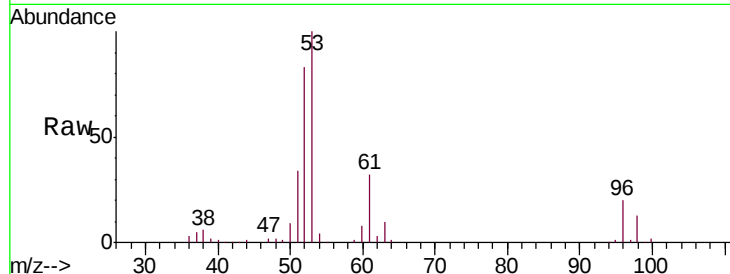
ClientSampleId :

VX0726WBS02

Tot Ion:	53	Resp:	92609
Ion Ratio	Lower	Upper	
53	100		
52	80.6	66.1	99.1
51	34.9	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 110.47 ug/l

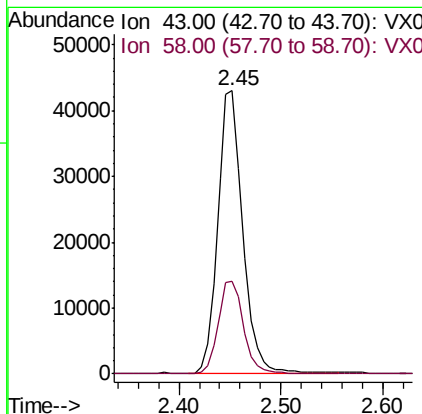
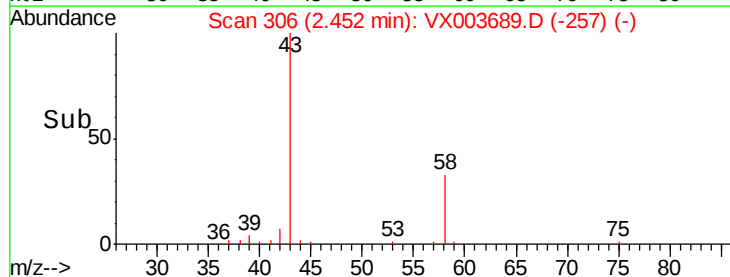
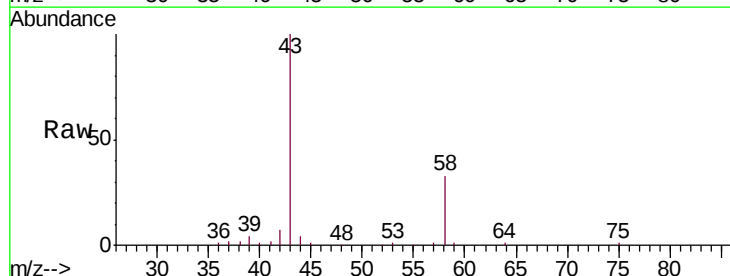
RT: 2.45 min Scan# 306

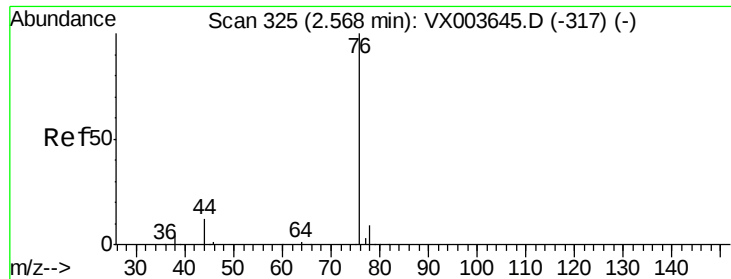
Delta R.T. -0.00 min

Lab File: VX003689.D

Acq: 27 Jul 2018 00:40

Tgt Ion:	43	Resp:	73254
Ion Ratio	Lower	Upper	
43	100		
58	32.6	26.1	39.1





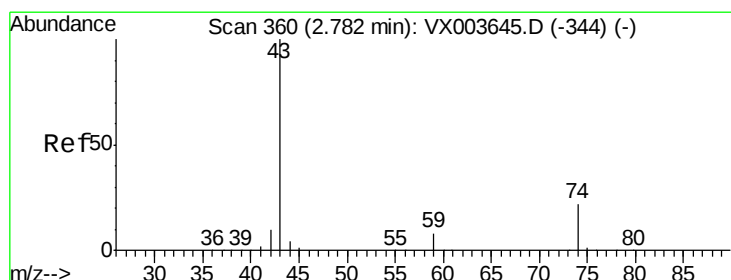
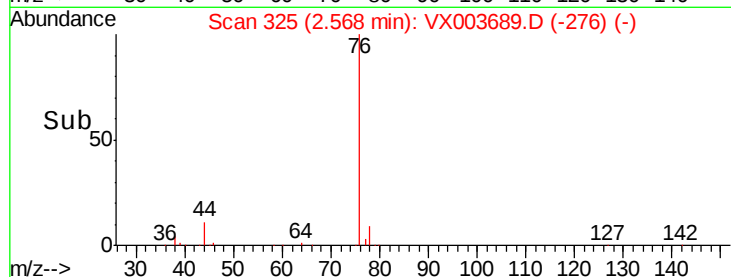
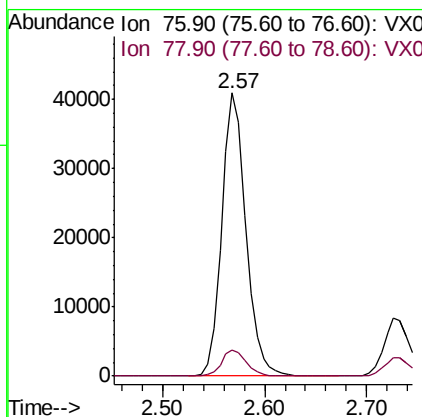
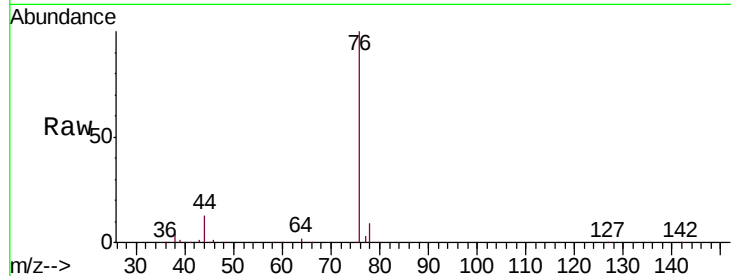
#17
Carbon Disulfide
Concen: 21.24 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX003689.D
Acq: 27 Jul 2018 00:40

Instrument :
MSVOA_X
ClientSampleId :
VX0726WBS02

Tot Ion: 76 Resp: 67332
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.0

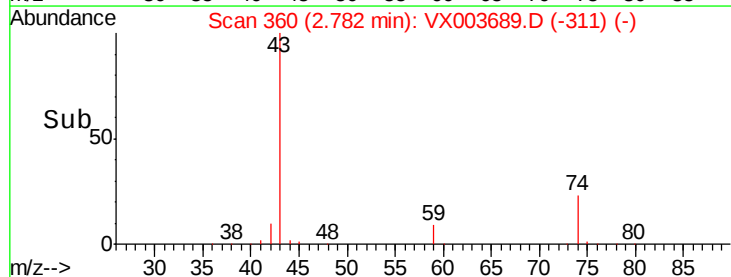
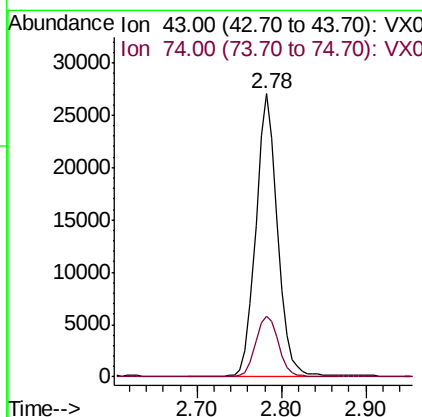
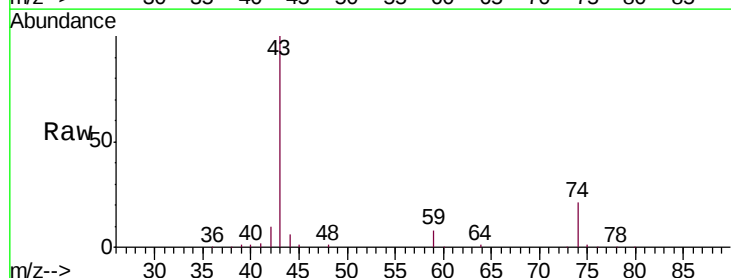
Manual Integrations
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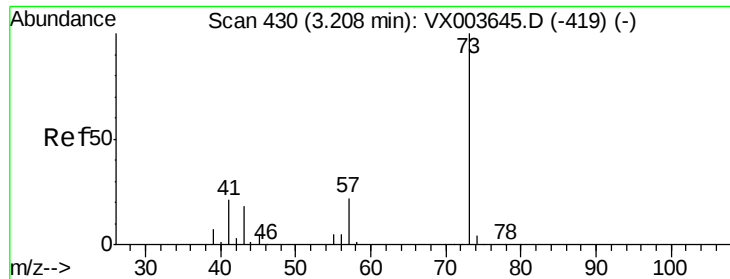
MMDadoda
7/27/2018 5:40:46 PM



#18
Methyl Acetate
Concen: 23.81 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX003689.D
Acq: 27 Jul 2018 00:40

Tgt Ion: 43 Resp: 47683
Ion Ratio Lower Upper
43 100
74 22.6 17.8 26.8





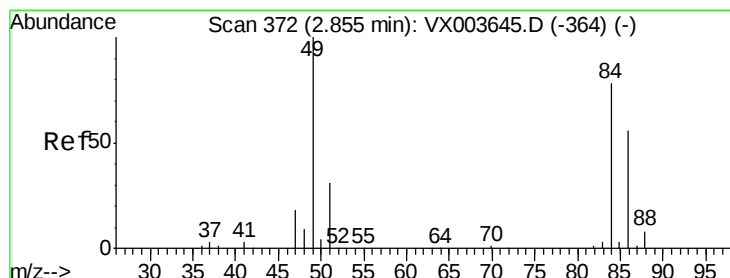
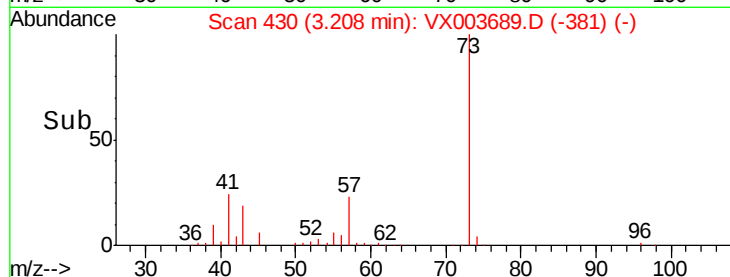
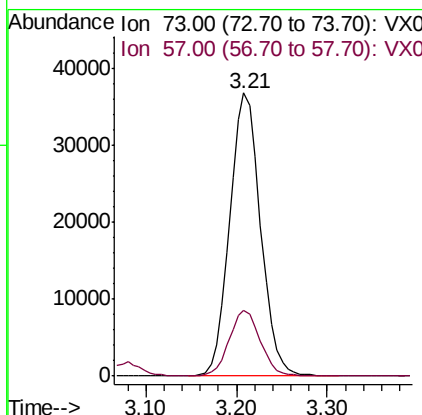
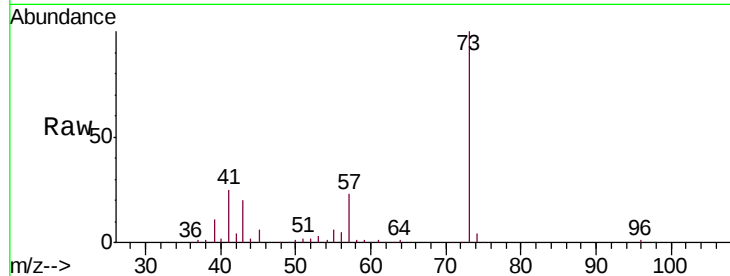
#19
Methvl tert-butvl Ether
Concen: 22.25 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.00 min
Lab File: VX003689.D
Acq: 27 Jul 2018 00:40

Instrument :
MSVOA_X
ClientSampleId :
VX0726WBS02

Tot Ion: 73 Resp: 86617
Ion Ratio Lower Upper
73 100
57 23.1 17.4 26.2

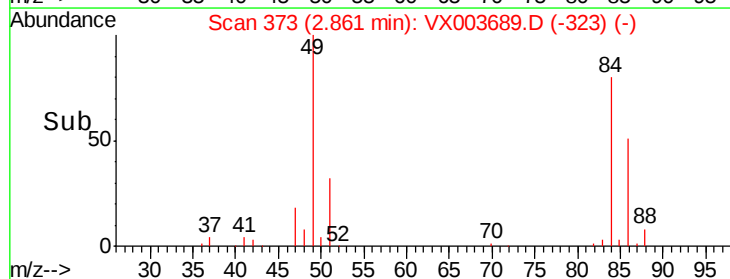
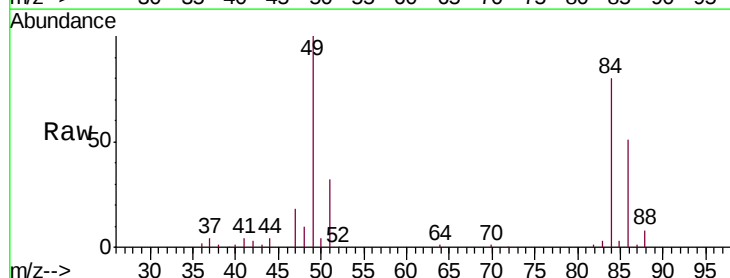
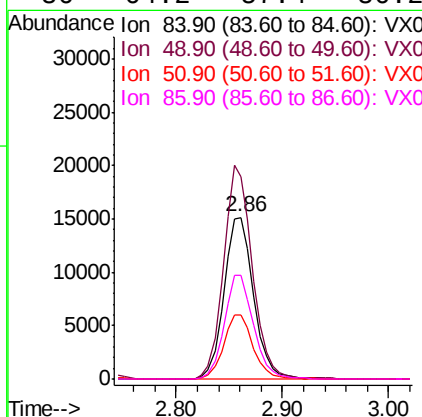
Manual Integrations
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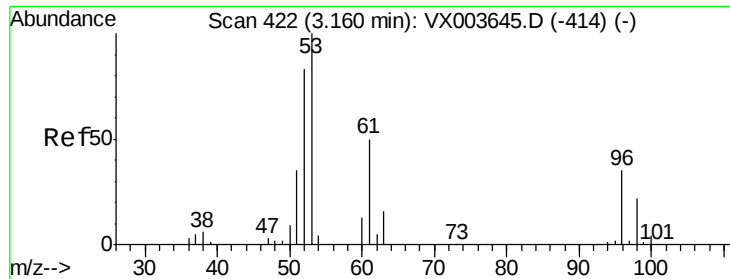
MMDadoda
7/27/2018 5:40:46 PM



#20
Methylene Chloride
Concen: 22.34 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX003689.D
Acq: 27 Jul 2018 00:40

Tgt Ion: 84 Resp: 29347
Ion Ratio Lower Upper
84 100
49 125.2 102.3 153.5
51 39.8 31.8 47.8
86 64.2 57.4 86.2





#21

trans-1,2-Dichloroethene

Concen: 22.20 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX003689.D

Acq: 27 Jul 2018 00:40

Instrument :

MSVOA_X

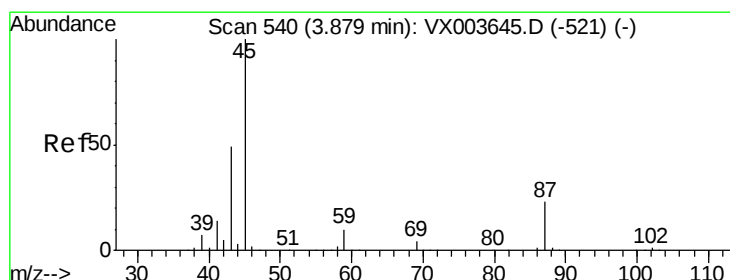
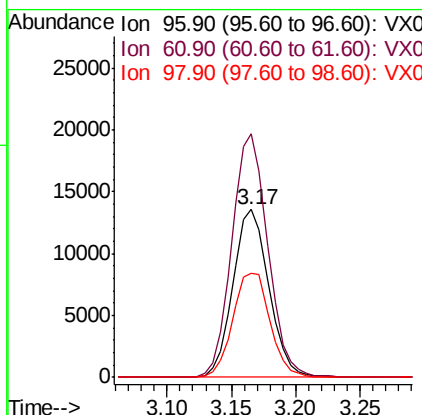
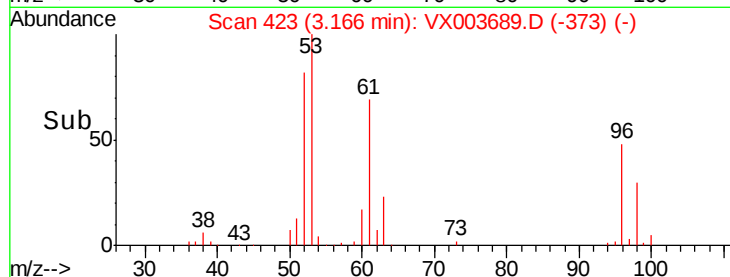
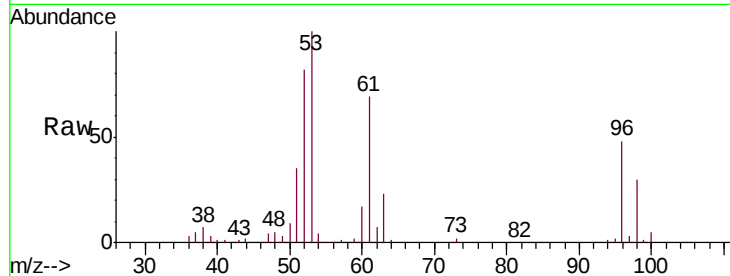
ClientSampled :

VX0726WBS02

Tot Ion:	96	Resp:	26316
Ion	Ratio	Lower	Upper
96	100		
61	145.0	115.0	172.4
98	62.1	49.7	74.5

Manual Integrations
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7/27/2018 5:40:46 PM



#22

Diisopropyl ether

Concen: 20.84 ug/l

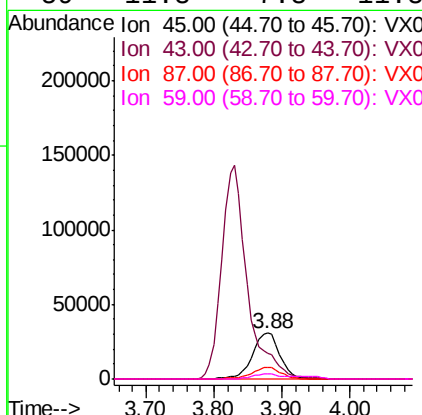
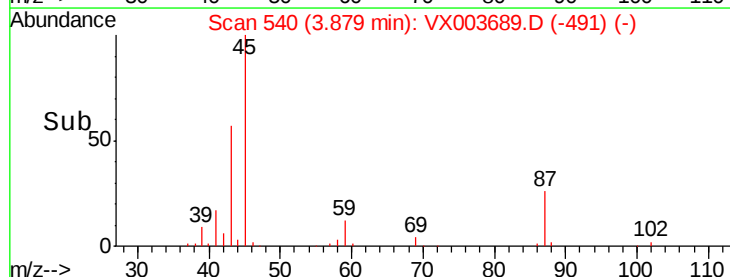
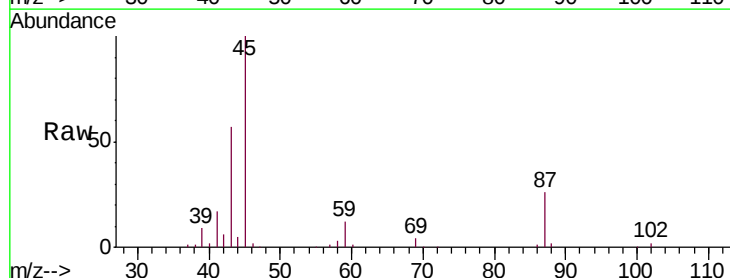
RT: 3.88 min Scan# 540

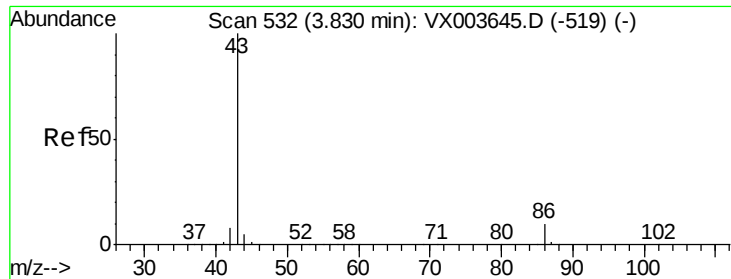
Delta R.T. -0.00 min

Lab File: VX003689.D

Acq: 27 Jul 2018 00:40

Tgt Ion:	45	Resp:	87415
Ion	Ratio	Lower	Upper
45	100		
43	56.9	39.0	58.4
87	25.6	18.4	27.6
59	11.8	7.8	11.8#





#23

Vinyl Acetate

Concen: 104.83 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX003689.D

Acq: 27 Jul 2018 00:40

Instrument :

MSVOA_X

ClientSampleId :

VX0726WBS02

Tot Ion: 43 Resp: 376697

Ion Ratio Lower Upper

43 100

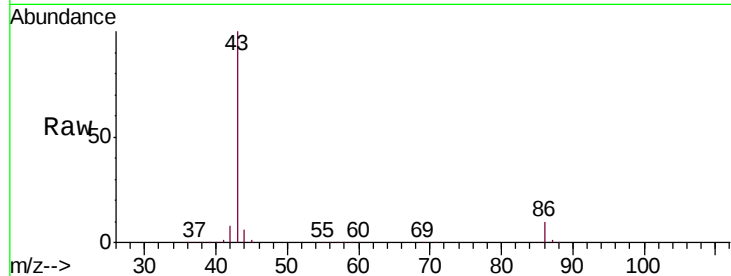
86 10.0 7.7 11.5

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

150000

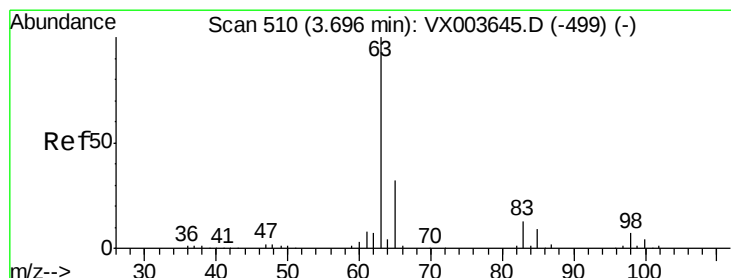
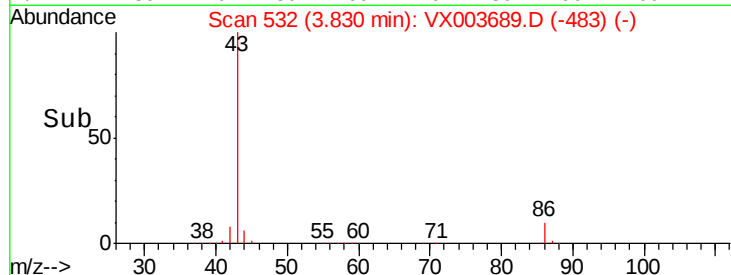
100000

50000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 22.49 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX003689.D

Acq: 27 Jul 2018 00:40

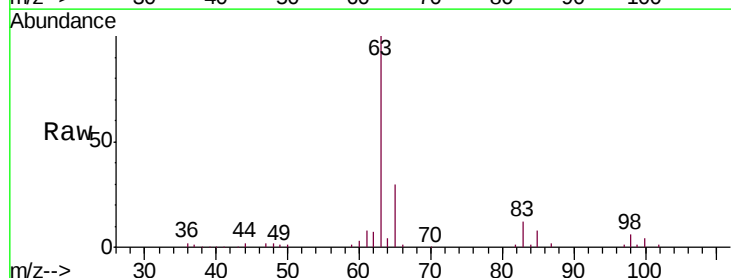
Tgt Ion: 63 Resp: 53178

Ion Ratio Lower Upper

63 100

98 5.6 3.3 9.8

100 3.7 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

25000

20000

15000

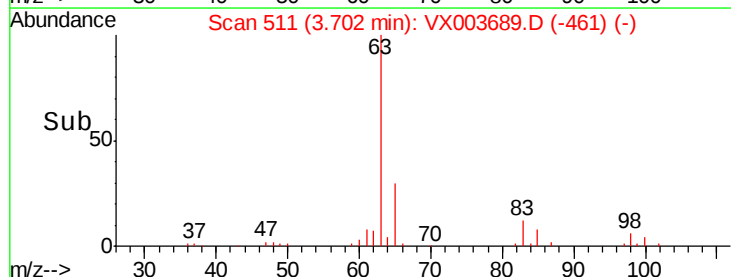
10000

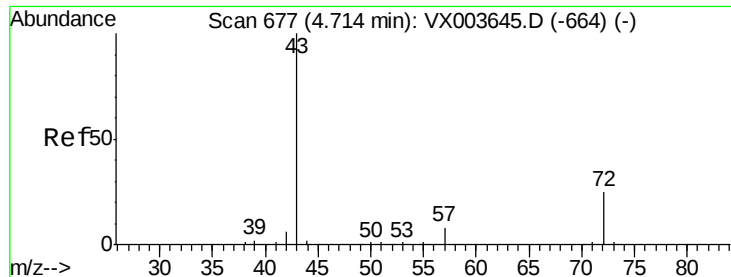
5000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 100.05 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX003689.D

Acq: 27 Jul 2018 00:40

Instrument :

MSVOA_X

ClientSampleId :

VX0726WBS02

Tot Ion: 43 Resp: 102493

Ion Ratio Lower Upper

43 100

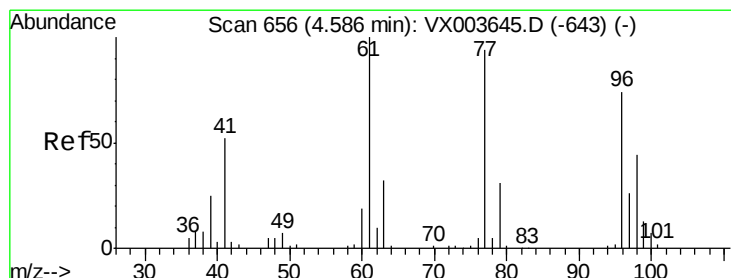
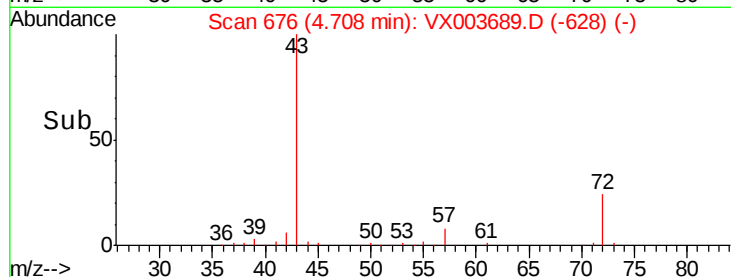
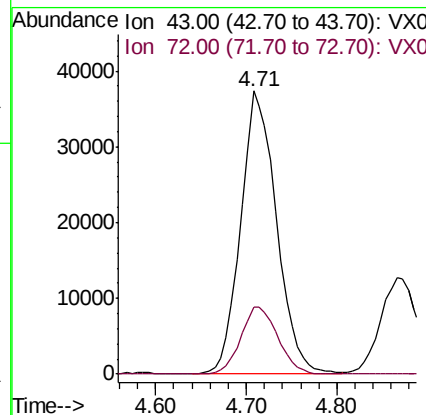
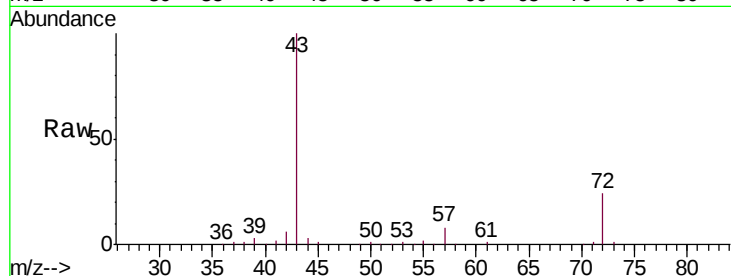
72 23.9 20.2 30.4

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 14.16 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX003689.D

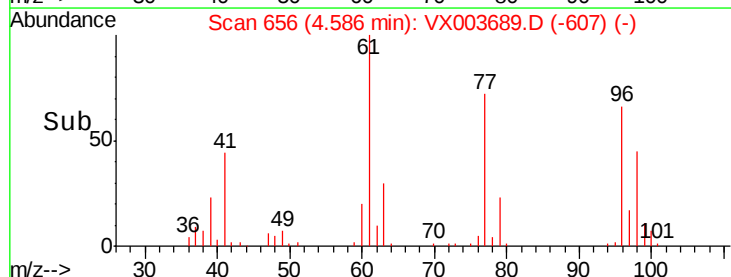
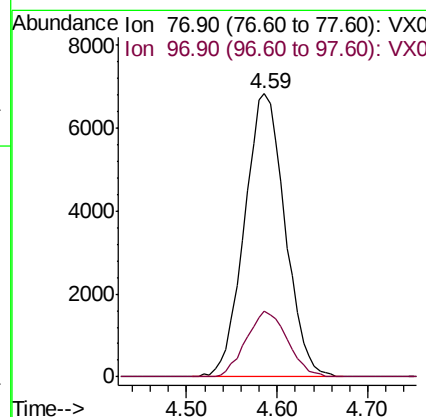
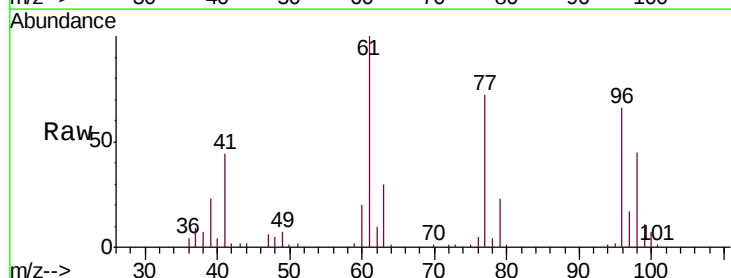
Acq: 27 Jul 2018 00:40

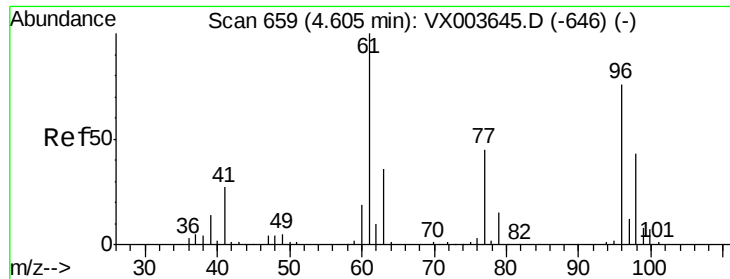
Tgt Ion: 77 Resp: 21167

Ion Ratio Lower Upper

77 100

97 23.6 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 19.03 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX003689.D

Acq: 27 Jul 2018 00:40

Instrument :

MSVOA_X

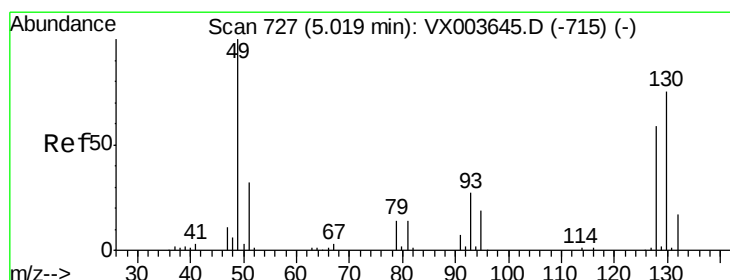
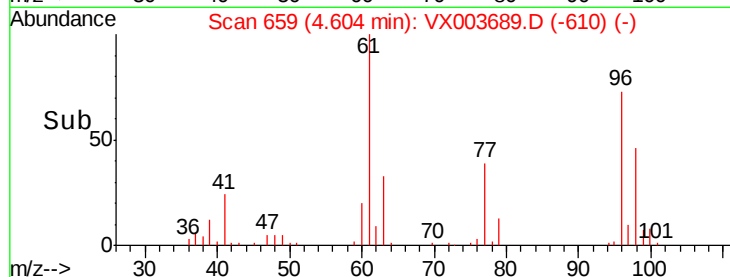
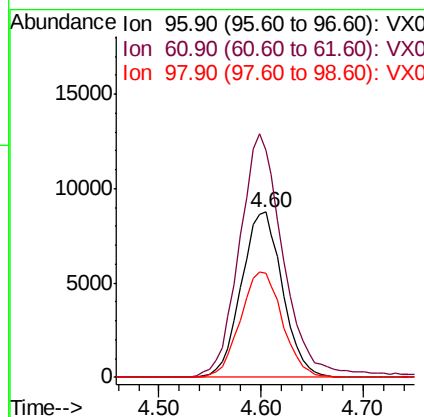
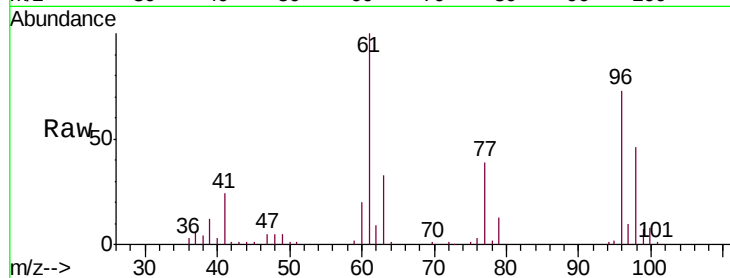
ClientSampleId :

VX0726WBS02

Tot Ion:	96	Resp:	24484
Ion	Ratio	Lower	Upper
96	100		
61	159.1	0.0	313.6
98	65.2	0.0	125.6

Manual Integrations
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7/27/2018 5:40:46 PM



#28

Bromochloromethane

Concen: 18.35 ug/l

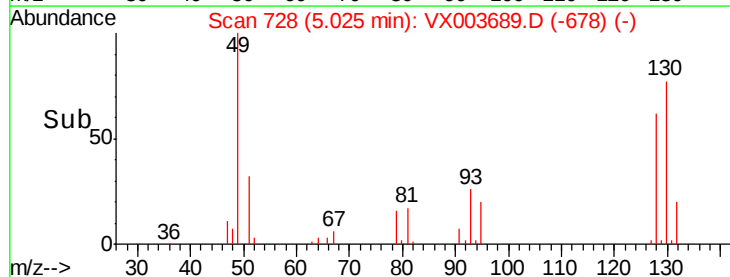
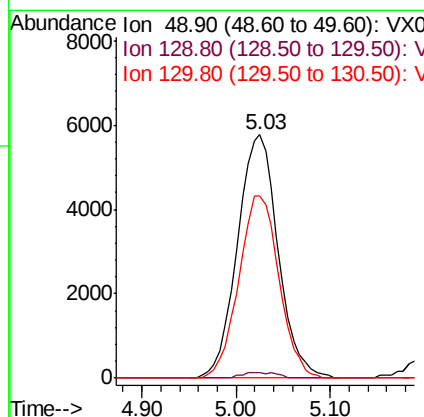
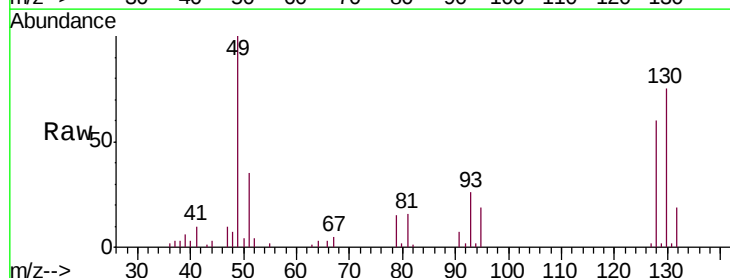
RT: 5.03 min Scan# 728

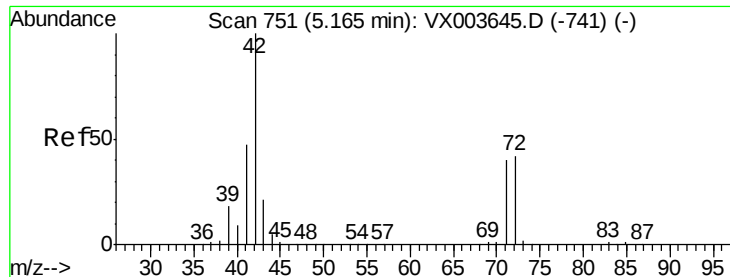
Delta R.T. 0.01 min

Lab File: VX003689.D

Acq: 27 Jul 2018 00:40

Tgt Ion:	49	Resp:	17407
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.2
130	74.3	61.0	91.6





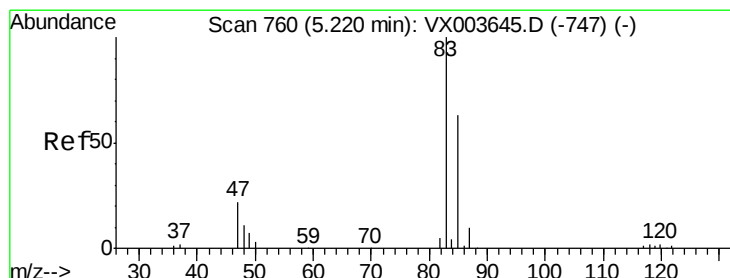
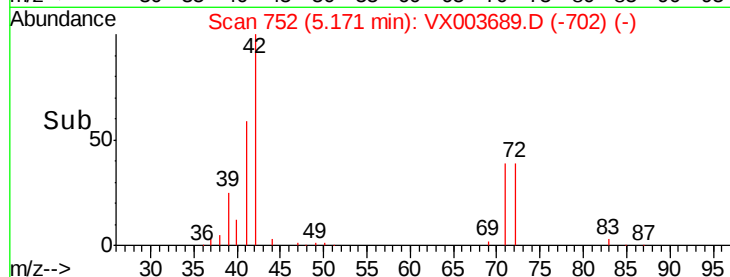
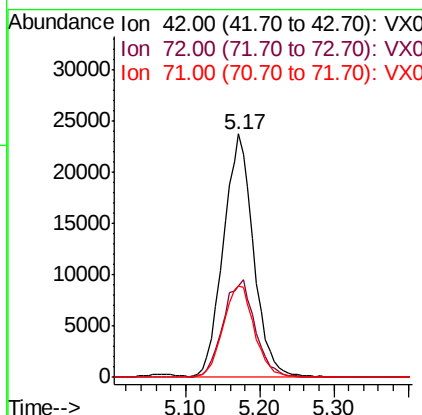
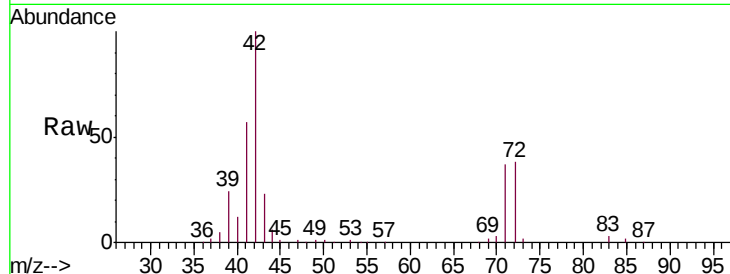
#29
Tetrahydrofuran
Concen: 100.19 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX003689.D
Acq: 27 Jul 2018 00:40

Instrument :
MSVOA_X
ClientSampleId :
VX0726WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.4	33.4	50.0
71	39.3	31.0	46.6

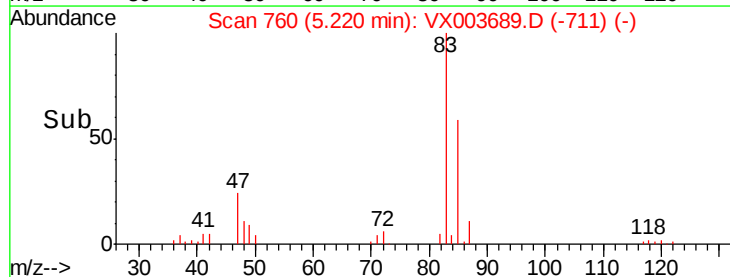
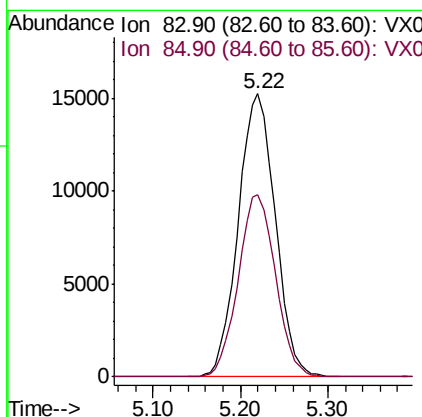
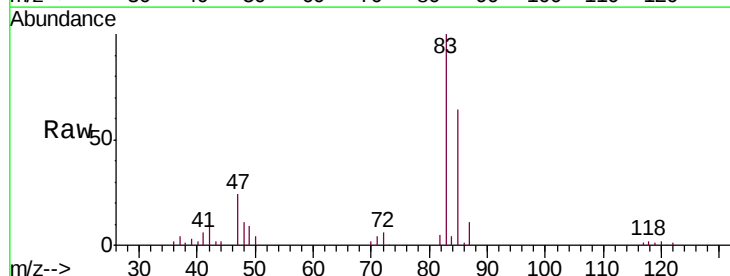
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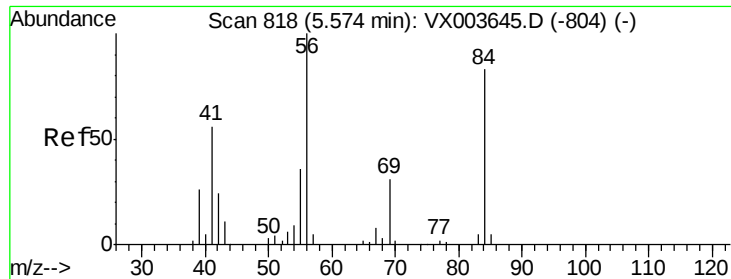
MMDadoda
7/27/2018 5:40:46 PM



#30
Chloroform
Concen: 20.98 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX003689.D
Acq: 27 Jul 2018 00:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	50.2	75.4





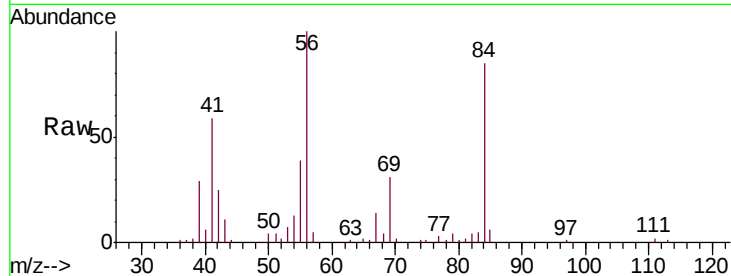
#31
Cyclohexane
Concen: 19.93 ug/l
RT: 5.57 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX003689.D
Acq: 27 Jul 2018 00:40

Instrument :
MSVOA_X
ClientSampleId :
VX0726WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.8	25.0	37.6
84	83.0	66.5	99.7

Manual Integrations
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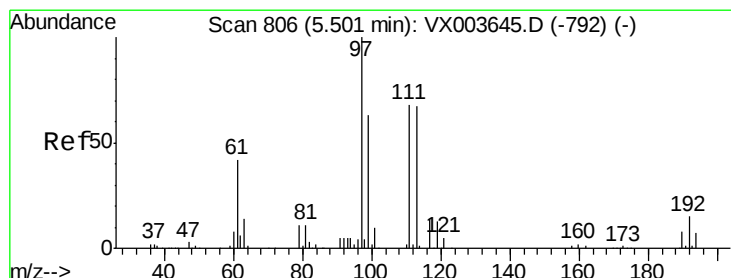
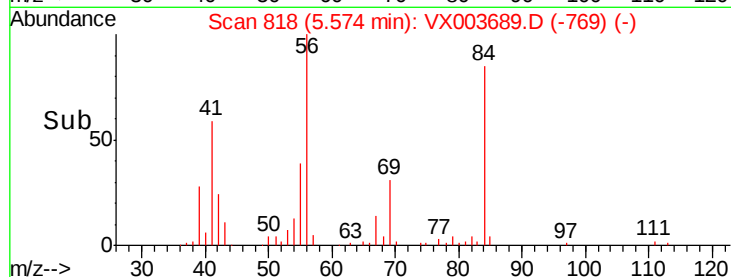
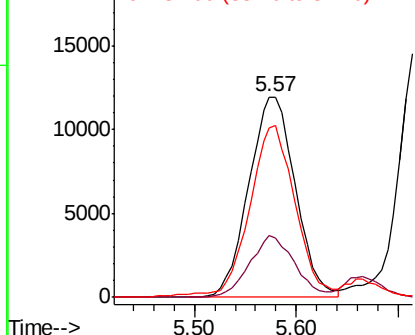


Abundance

Ion 56.00 (55.70 to 56.70): VX0

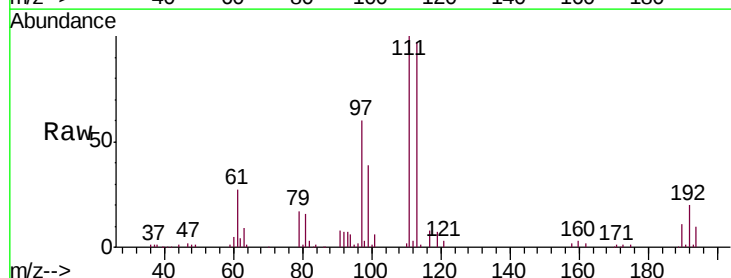
Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32
1,1,1-Trichloroethane
Concen: 21.93 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX003689.D
Acq: 27 Jul 2018 00:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	50.4	75.6
61	45.8	34.5	51.7

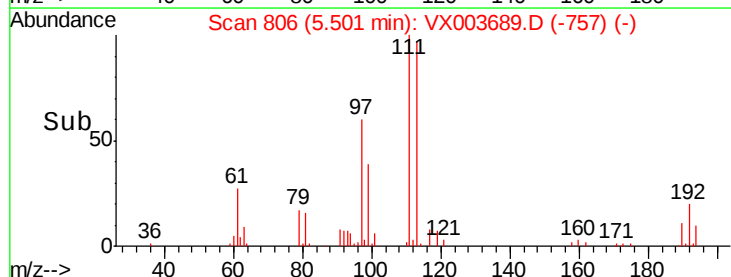
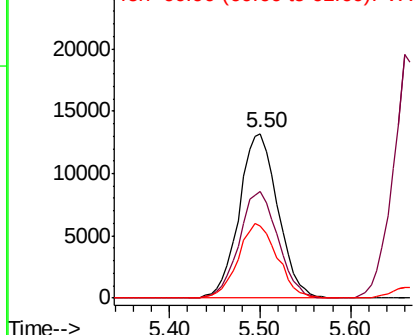


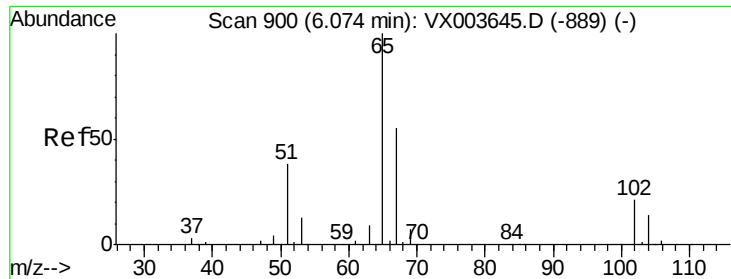
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





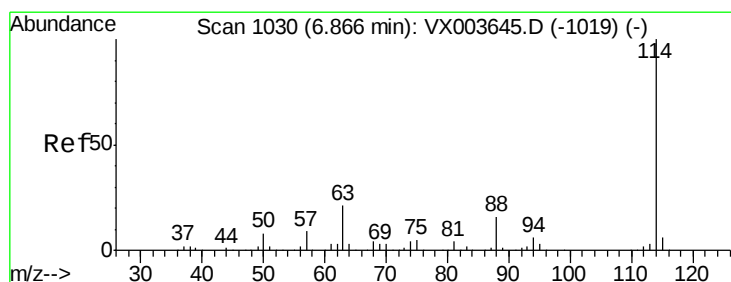
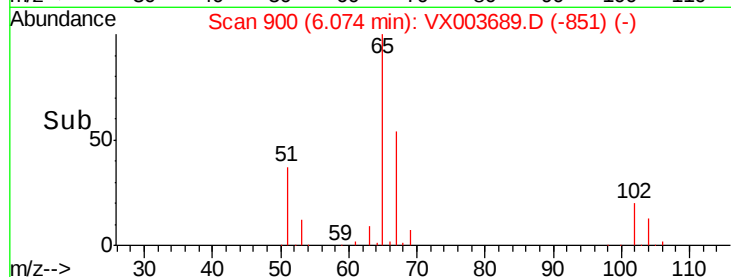
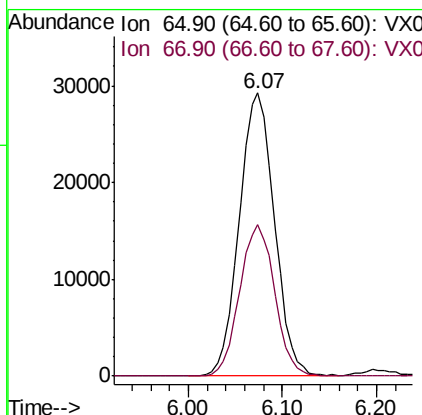
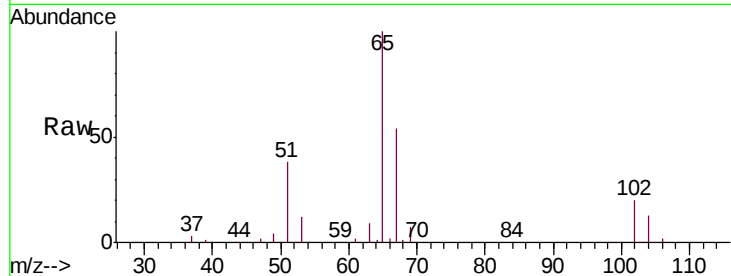
#33
 1,2-Dichloroethane-d4
 Concen: 53.93 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX003689.D
 Acq: 27 Jul 2018 00:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0726WBS02

Tot Ion: 65 Resp: 76124
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 107.8

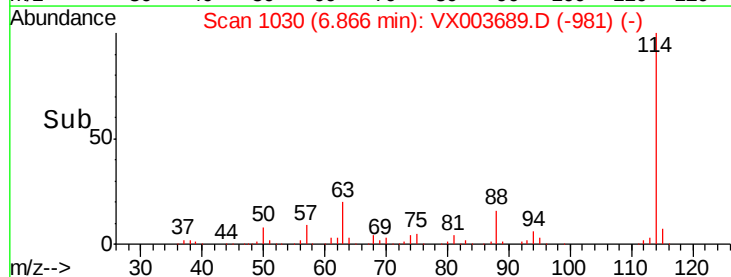
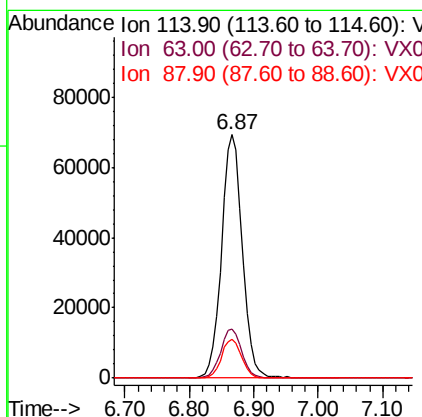
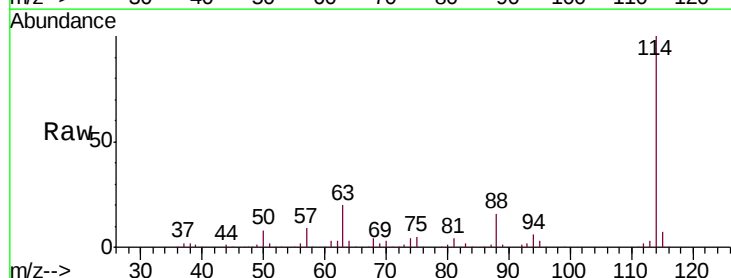
Manual Integrations
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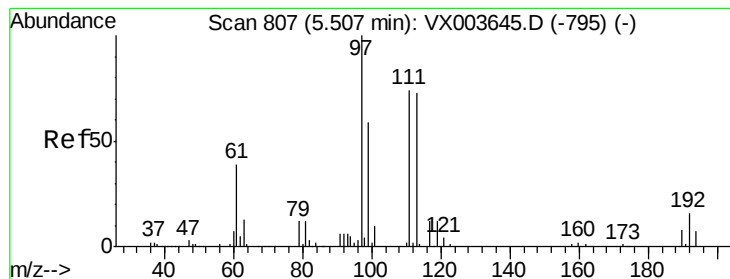
MMDadoda
 7/27/2018 5:40:46 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003689.D
 Acq: 27 Jul 2018 00:40

Tgt Ion: 114 Resp: 158076
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 41.0
 88 15.9 0.0 31.8





#35

Dibromofluoromethane

Concen: 48.15 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX003689.D

Acq: 27 Jul 2018 00:40

Instrument :

MSVOA_X

ClientSampleId :

VX0726WBS02

Tot Ion:113 Resp: 62218

Ion Ratio Lower Upper

113 100

111 102.5 81.2 121.8

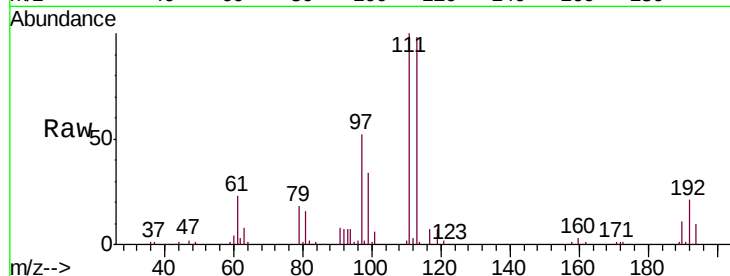
192 21.7 18.2 27.4

Manual Integrations

APPROVED

MMDadoda

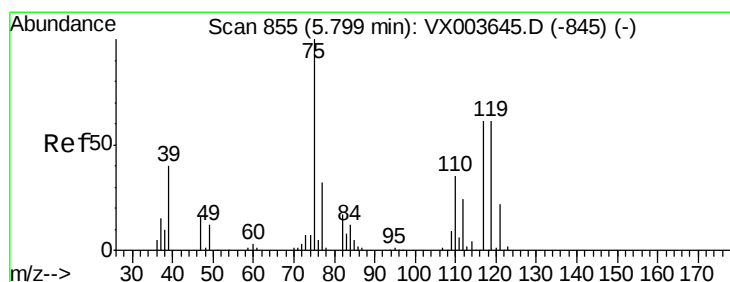
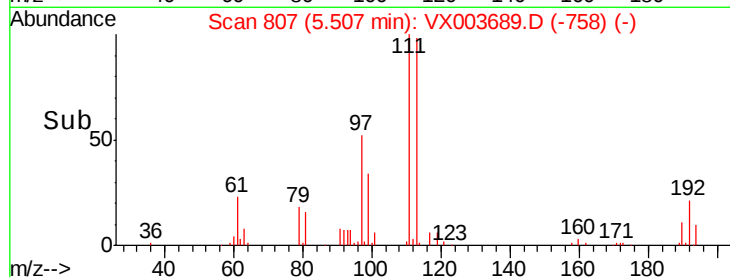
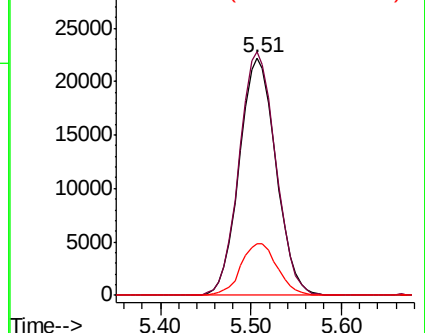
7/27/2018 5:40:46 PM



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 17.49 ug/l

RT: 5.80 min Scan# 855

Delta R.T. -0.00 min

Lab File: VX003689.D

Acq: 27 Jul 2018 00:40

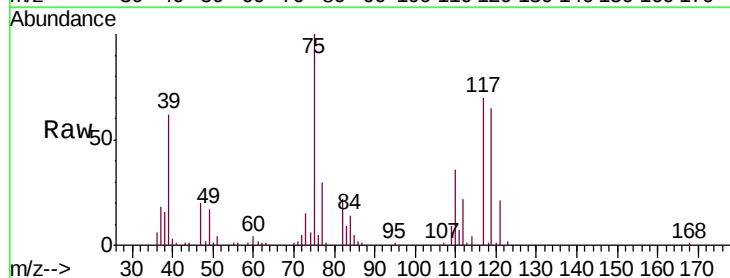
Tgt Ion: 75 Resp: 32311

Ion Ratio Lower Upper

75 100

110 35.4 18.1 54.1

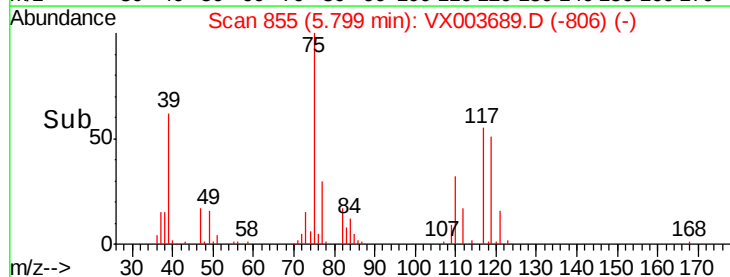
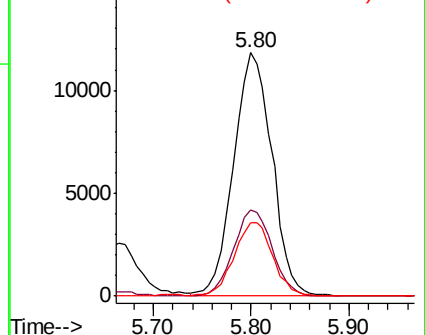
77 30.3 25.1 37.7

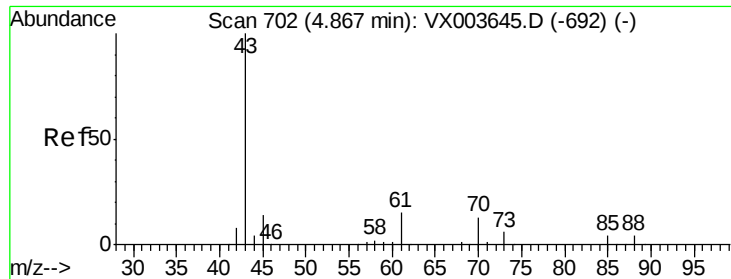


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





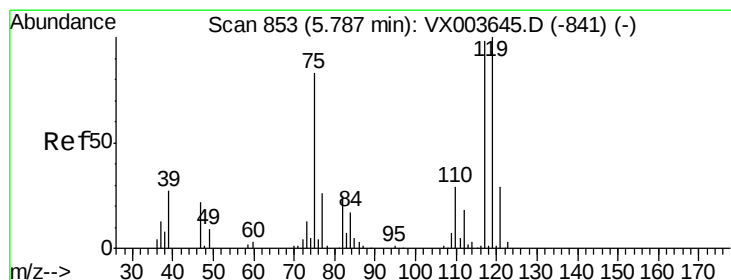
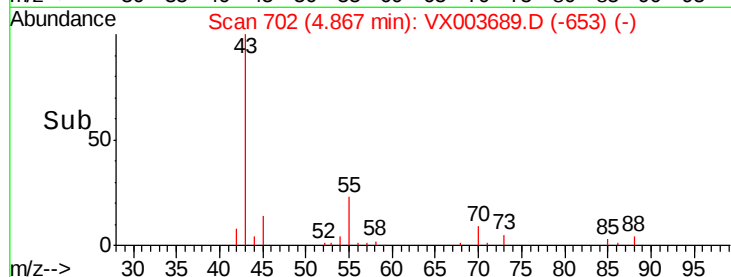
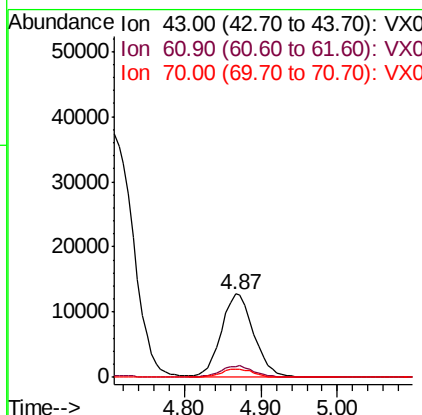
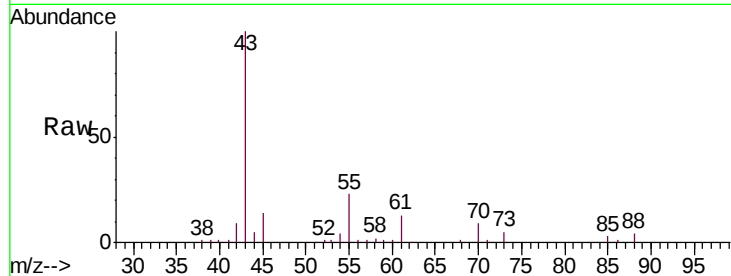
#37
Ethyl Acetate
Concen: 16.90 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.00 min
Lab File: VX003689.D
Acq: 27 Jul 2018 00:40

Instrument :
MSVOA_X
ClientSampleId :
VX0726WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.9	17.9
70	9.9	8.6	12.8

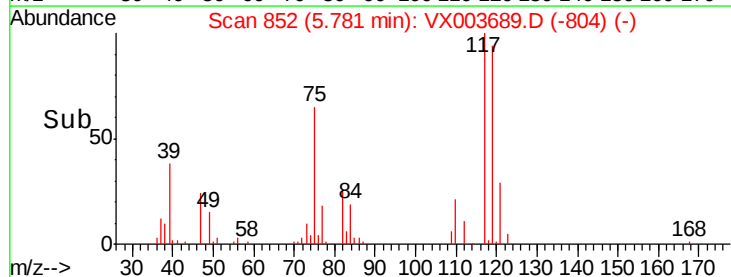
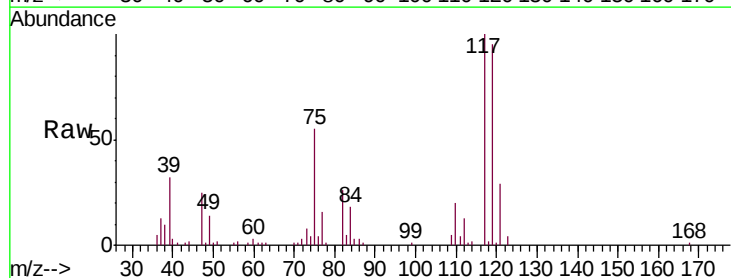
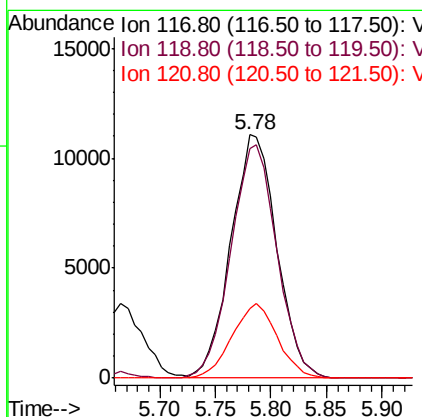
Manual Integrations
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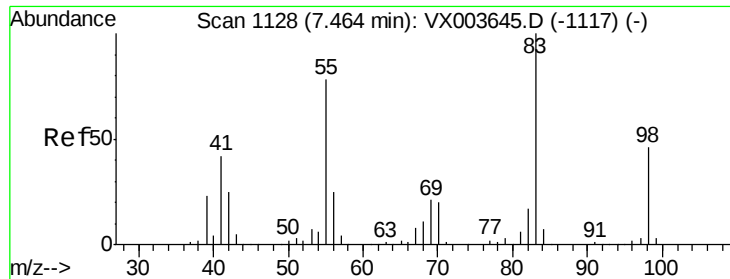
MMDadoda
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#38
Carbon Tetrachloride
Concen: 17.78 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX003689.D
Acq: 27 Jul 2018 00:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.5	81.0	121.4
121	28.7	23.7	35.5





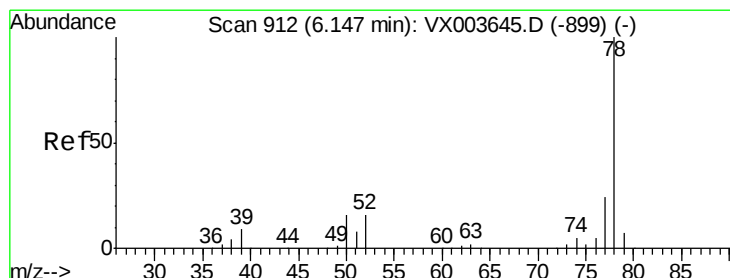
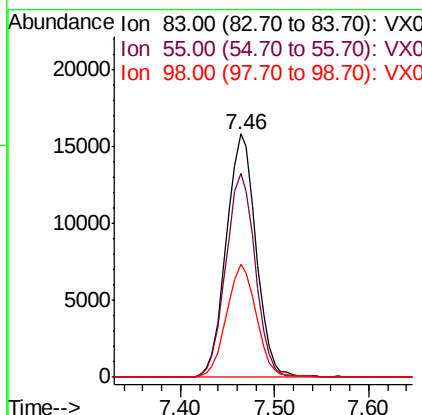
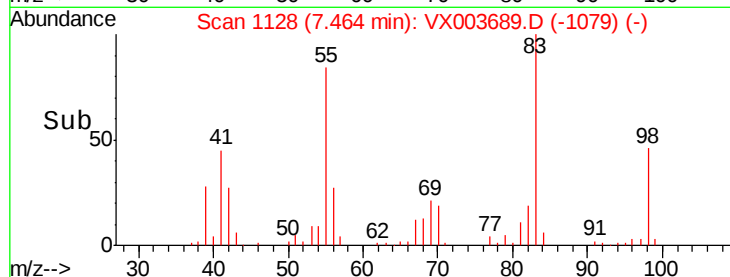
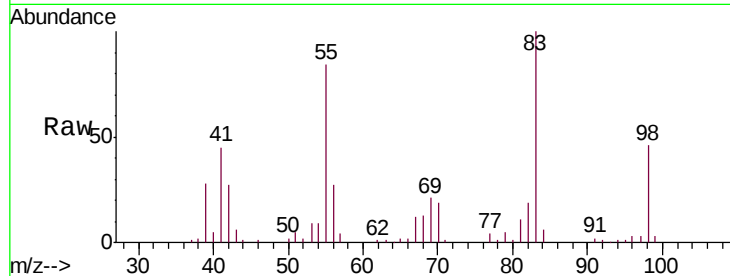
#39
Methvlcvclohexane
Concen: 17.12 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX003689.D
Acq: 27 Jul 2018 00:40

Instrument :
MSVOA_X
ClientSampleId :
VX0726WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.6	62.6	93.8
98	46.3	36.6	55.0

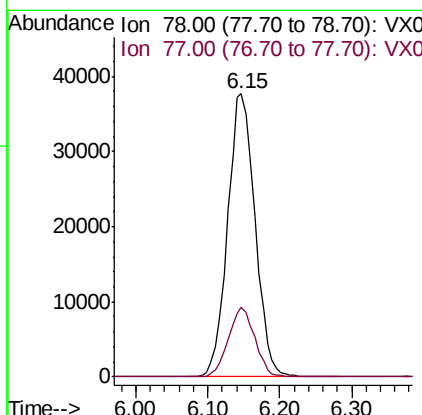
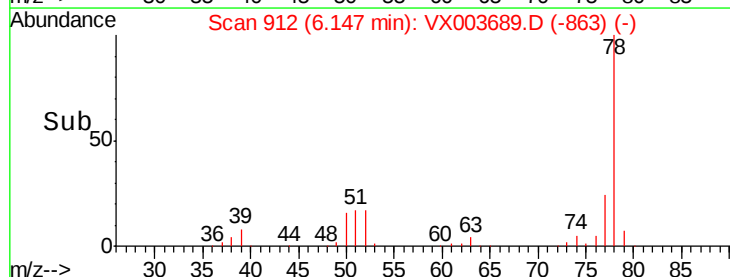
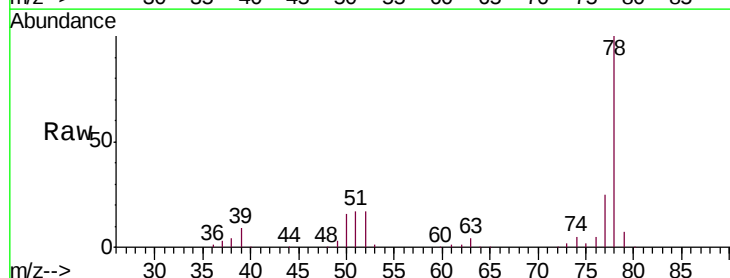
Manual Integrations
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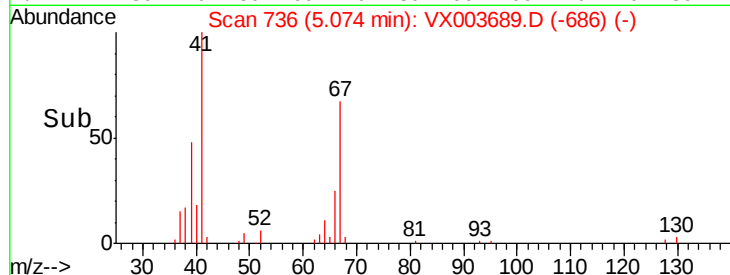
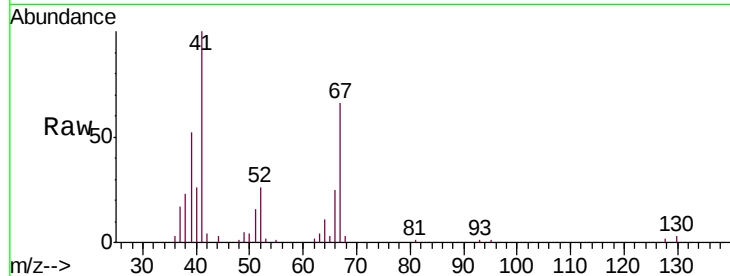
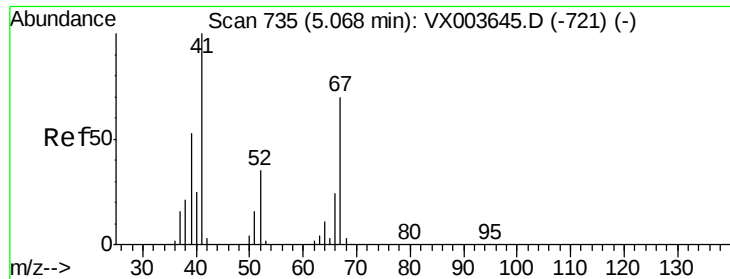
MMDadoda
7/27/2018 5:40:46 PM



#40
Benzene
Concen: 18.25 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX003689.D
Acq: 27 Jul 2018 00:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.0	28.6





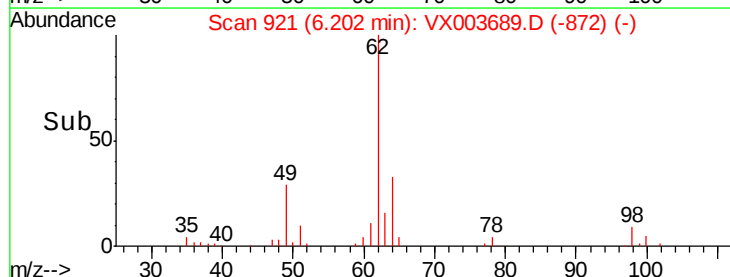
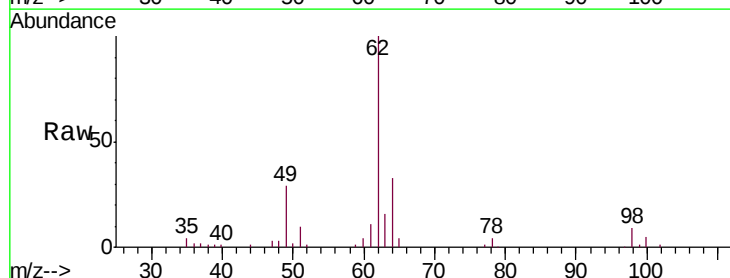
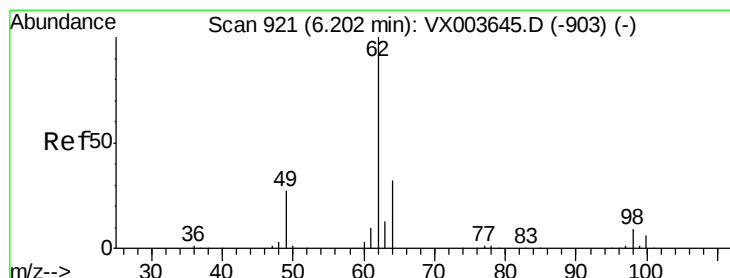
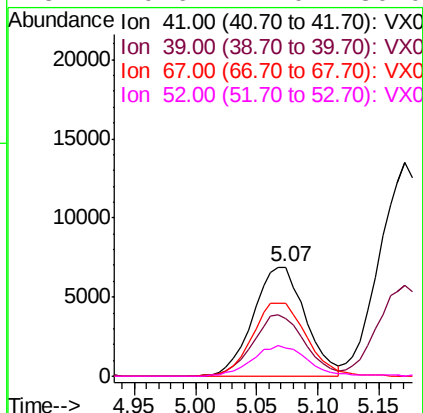
#41
Methacrylonitrile
Concen: 16.67 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.01 min
Lab File: VX003689.D
Acq: 27 Jul 2018 00:40

Tot Ion	41	Resp	20513
Ion Ratio	Lower	Upper	
41	100		
39	55.7	42.2	63.4
67	69.5	56.6	84.8
52	29.6	24.0	36.0

Instrument :
MSVOA_X
ClientSampleId :
VX0726WBS02

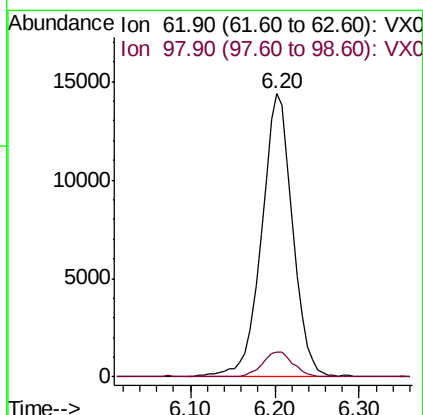
Manual Integrations
APPROVED

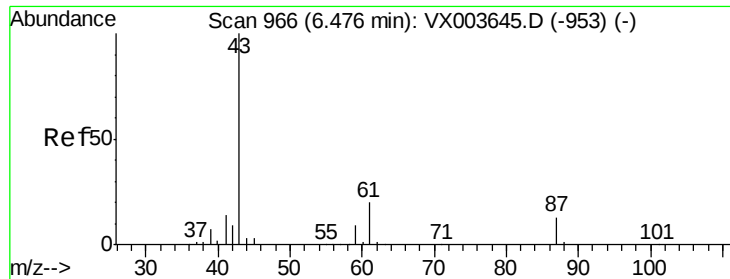
MMDadoda
7/27/2018 5:40:46 PM



#42
1,2-Dichloroethane
Concen: 18.92 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX003689.D
Acq: 27 Jul 2018 00:40

Tgt Ion	62	Resp	36418
Ion Ratio	Lower	Upper	
62	100		
98	8.8	0.0	18.4





#43

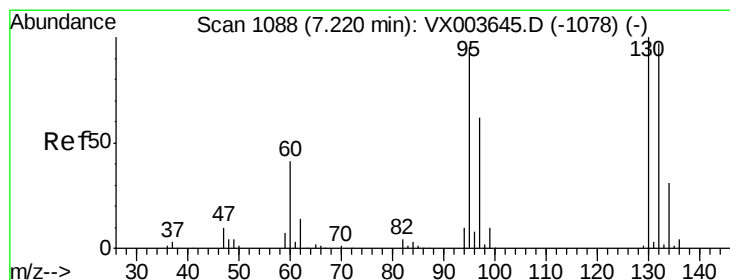
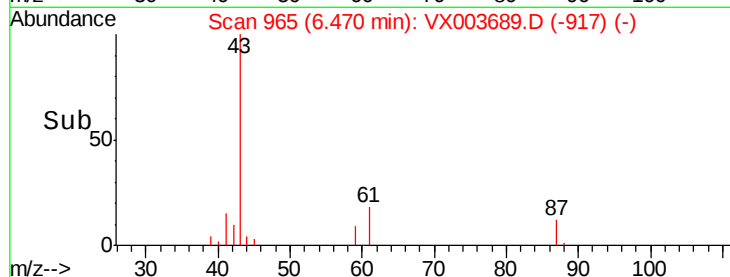
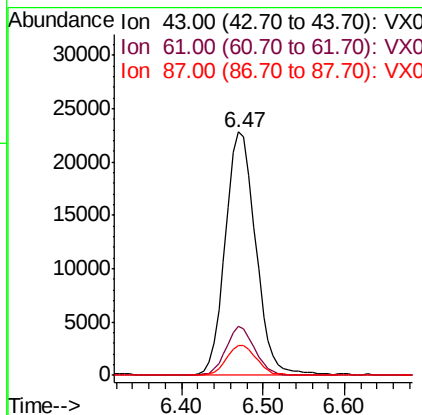
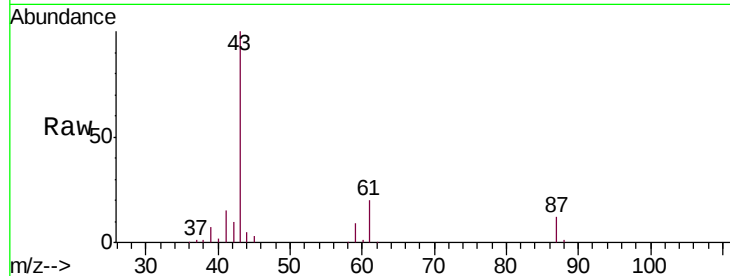
Isopropyl Acetate
 Concen: 18.18 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.01 min
 Lab File: VX003689.D
 Acq: 27 Jul 2018 00:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0726WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.9	23.9
87	12.2	10.1	15.1

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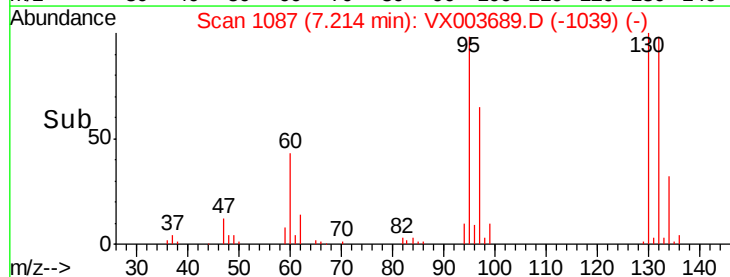
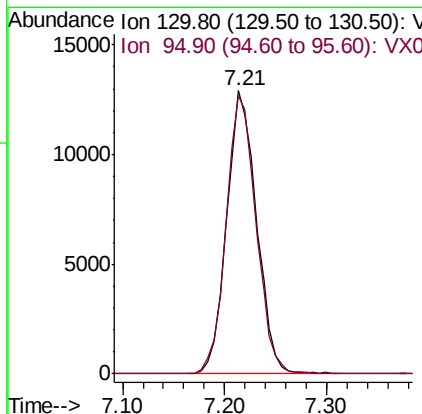
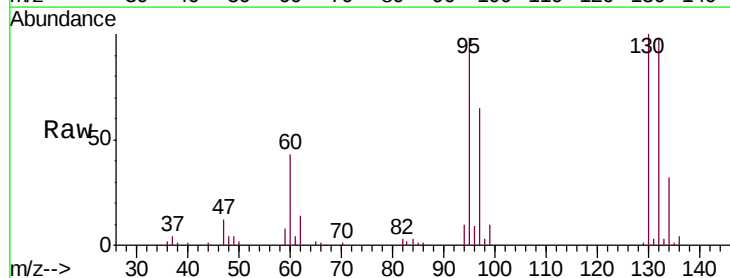
MMDadoda
 7/27/2018 5:40:46 PM



#44

Trichloroethene
 Concen: 17.78 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: VX003689.D
 Acq: 27 Jul 2018 00:40

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.4	0.0	190.0





#45

1,2-Dichloropropane

Concen: 19.19 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX003689.D

Acq: 27 Jul 2018 00:40

Instrument :

MSVOA_X

ClientSampled :

VX0726WBS02

Tot Ion: 63 Resp: 27119

Ion Ratio Lower Upper

63 100

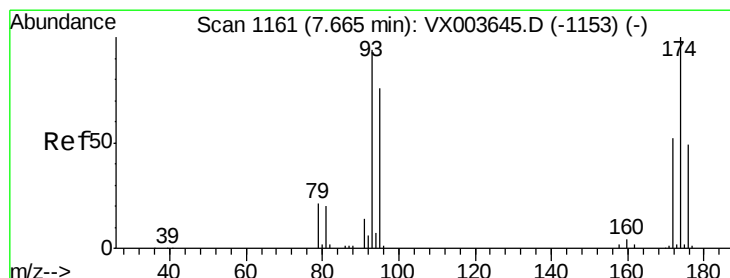
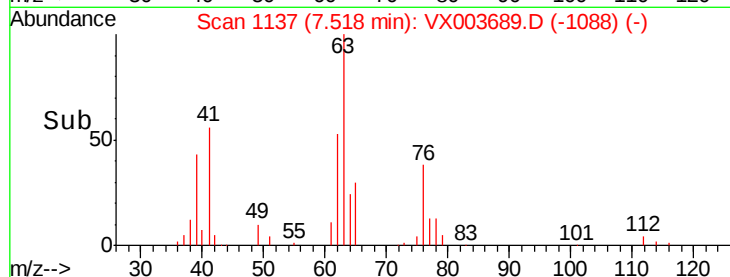
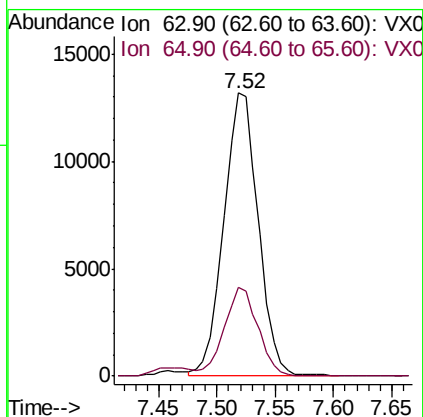
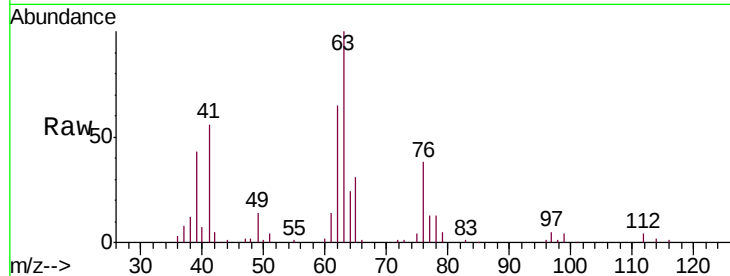
65 31.3 24.0 36.0

Manual Integrations

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#46

Dibromomethane

Concen: 19.33 ug/l

RT: 7.66 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX003689.D

Acq: 27 Jul 2018 00:40

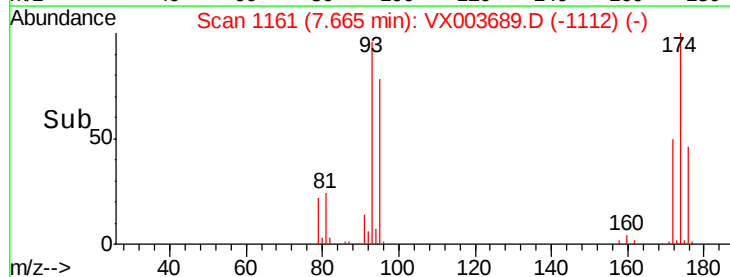
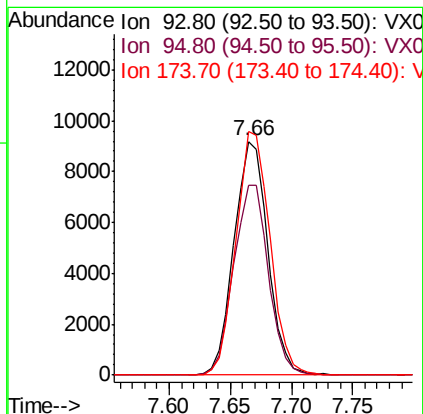
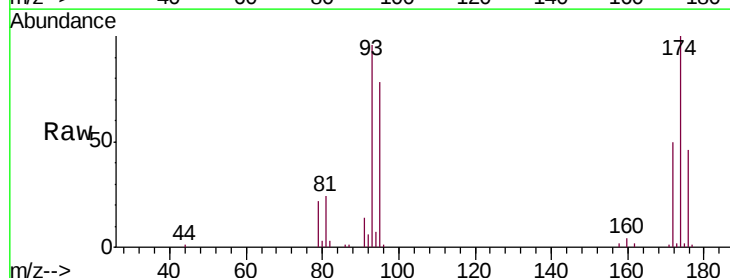
Tgt Ion: 93 Resp: 17551

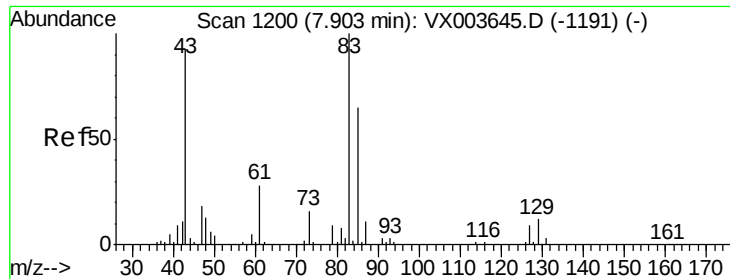
Ion Ratio Lower Upper

93 100

95 83.5 67.0 100.6

174 105.5 89.6 134.4





#47

Bromodichloromethane

Concen: 18.59 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX003689.D

Acq: 27 Jul 2018 00:40

Instrument :

MSVOA_X

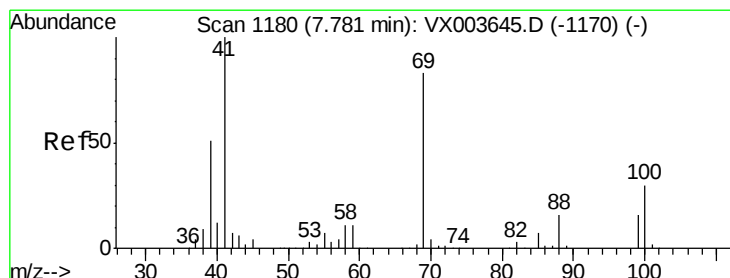
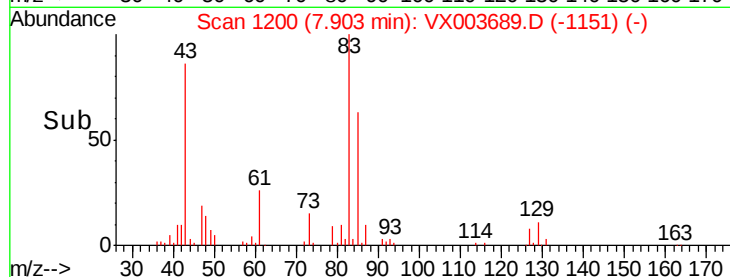
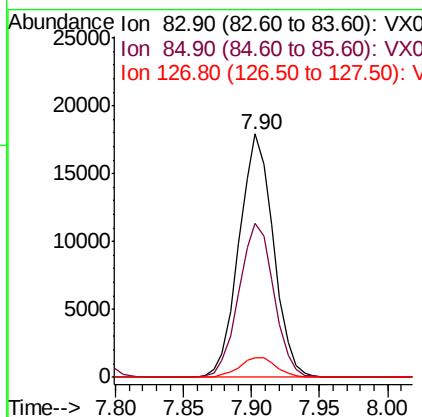
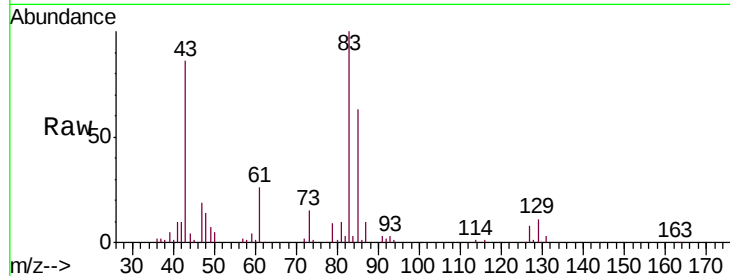
ClientSampleId :

VX0726WBS02

Tot Ion:	83	Resp:	31640
Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.8	77.6
127	8.3	7.0	10.6

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#48

Methyl methacrylate

Concen: 19.75 ug/l

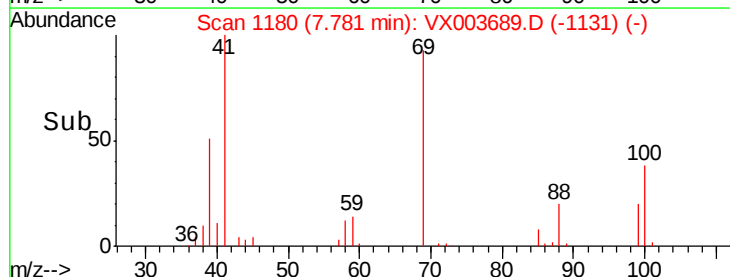
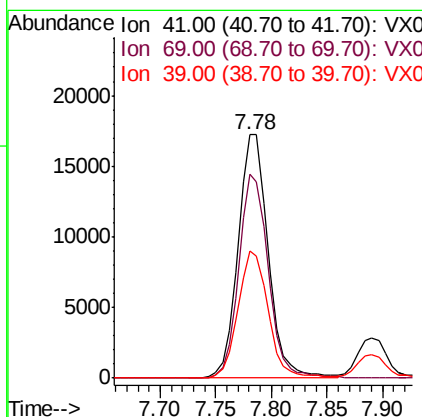
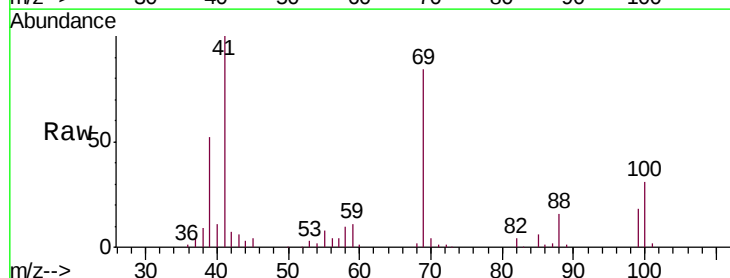
RT: 7.78 min Scan# 1180

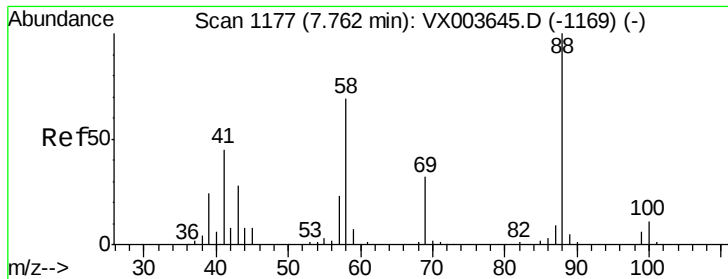
Delta R.T. -0.00 min

Lab File: VX003689.D

Acq: 27 Jul 2018 00:40

Tgt Ion:	41	Resp:	32478
Ion	Ratio	Lower	Upper
41	100		
69	81.6	66.9	100.3
39	52.4	41.2	61.8





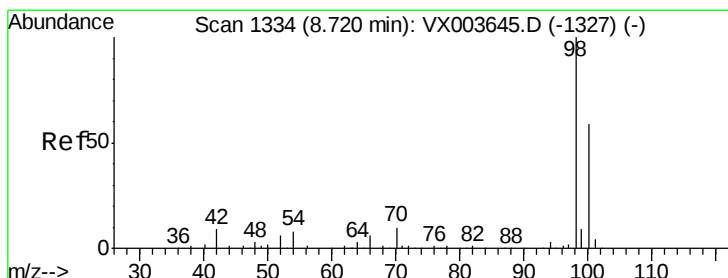
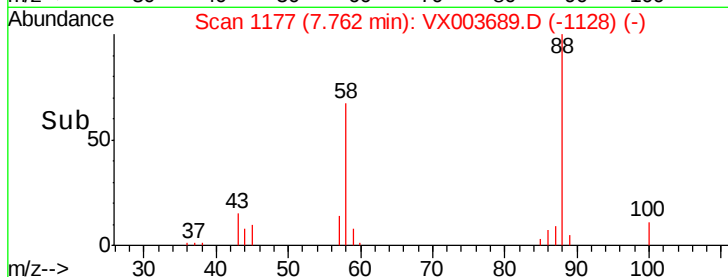
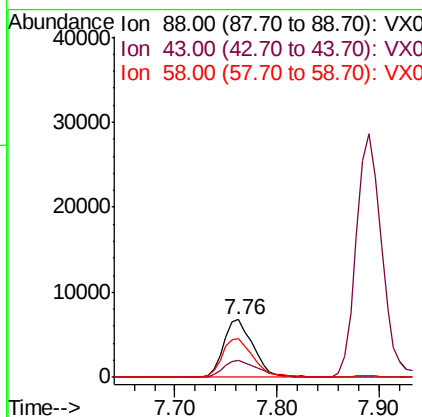
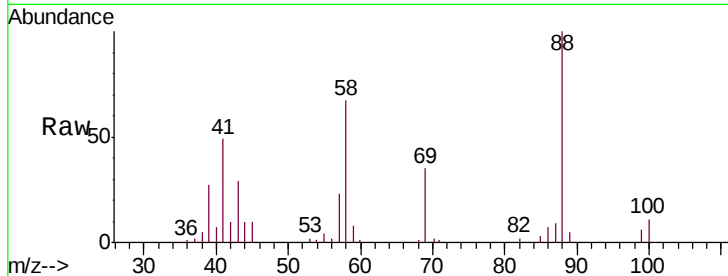
#49
 1,4-Dioxane
 Concen: 373.84 ug/l
 RT: 7.76 min Scan# 1177
 Delta R.T. -0.00 min
 Lab File: VX003689.D
 Acq: 27 Jul 2018 00:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0726WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.4	25.8	38.6
58	71.2	58.3	87.5

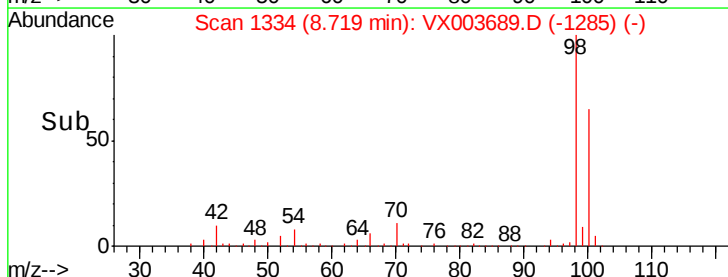
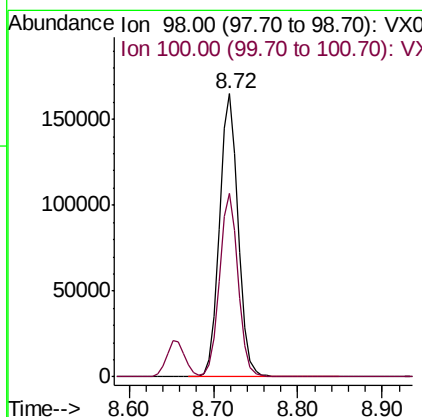
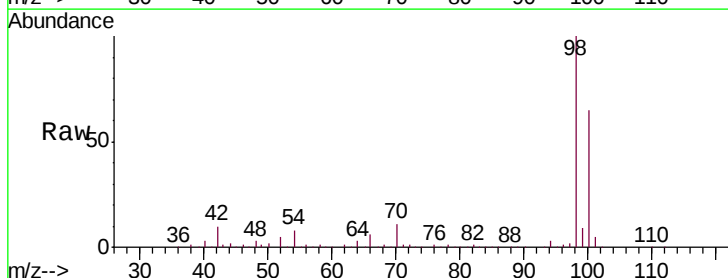
Manual Integrations
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#50
 Toluene-d8
 Concen: 51.40 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: VX003689.D
 Acq: 27 Jul 2018 00:40

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 99.78 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX003689.D

Acq: 27 Jul 2018 00:40

Instrument :

MSVOA_X

ClientSampleId :

VX0726WBS02

Tot Ion: 43 Resp: 218213

Ion Ratio Lower Upper

43 100

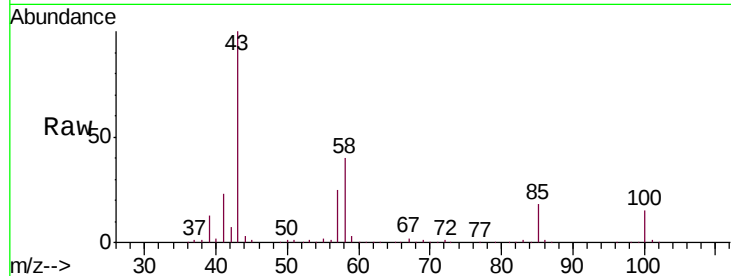
58 39.2 31.5 47.3

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

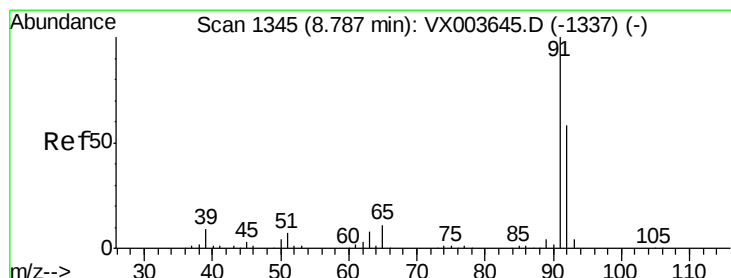
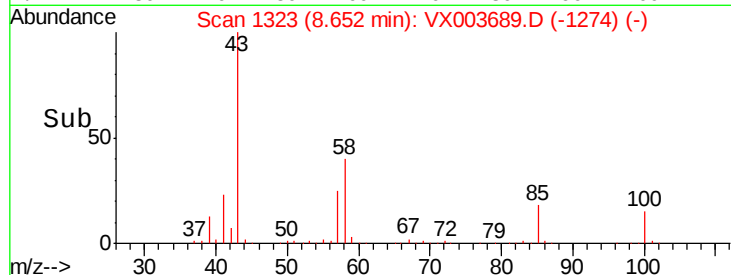
100000

50000

0

8.60 8.65 8.70 8.80

Time-->



#52

Toluene

Concen: 20.72 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX003689.D

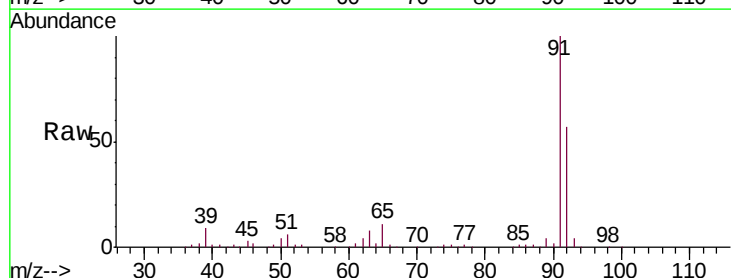
Acq: 27 Jul 2018 00:40

Tgt Ion: 92 Resp: 70431

Ion Ratio Lower Upper

92 100

91 175.8 139.0 208.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

80000

60000

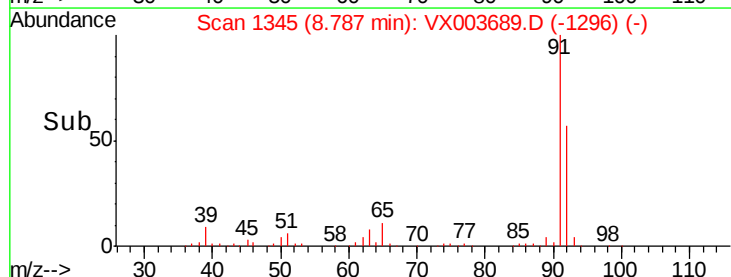
40000

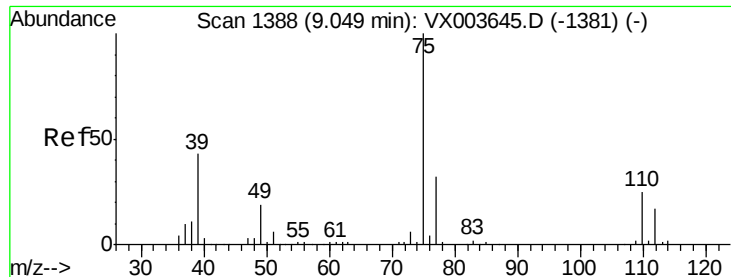
20000

0

8.70 8.75 8.80 8.85 8.90

Time-->





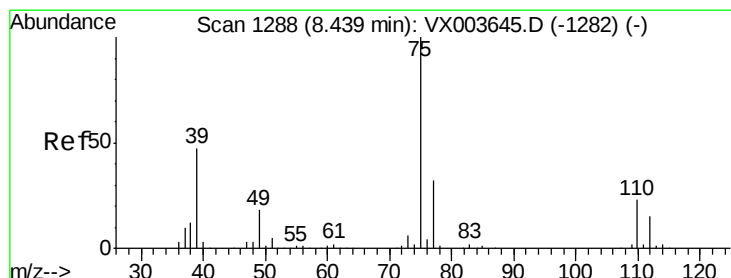
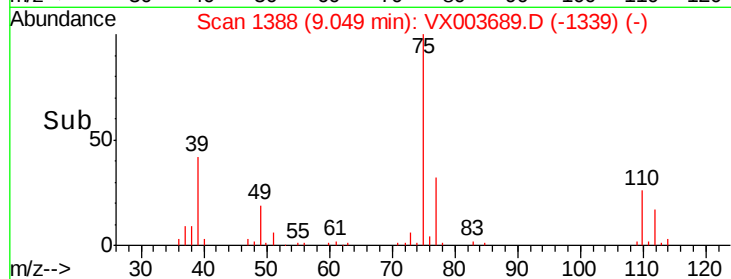
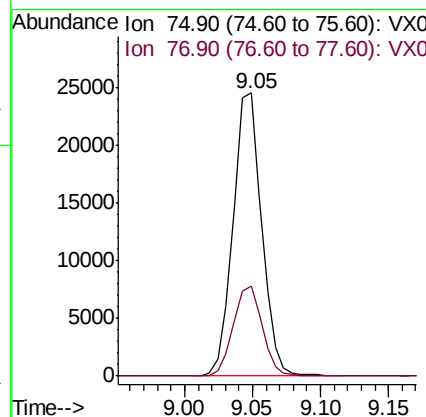
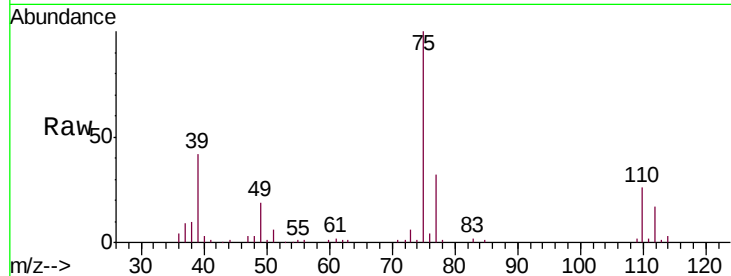
#53
t-1,3-Dichloropropene
Concen: 19.08 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VX003689.D
Acq: 27 Jul 2018 00:40

Instrument :
MSVOA_X
ClientSampled :
VX0726WBS02

Tot Ion: 75 Resp: 35965
Ion Ratio Lower Upper
75 100
77 31.7 25.8 38.6

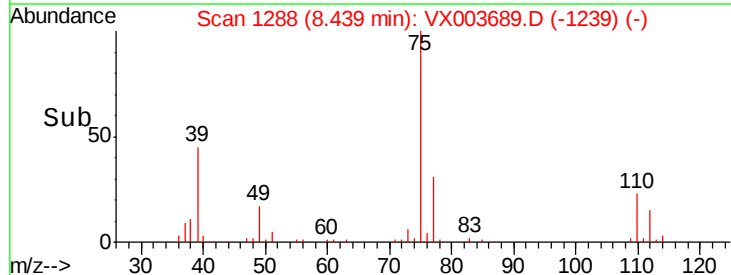
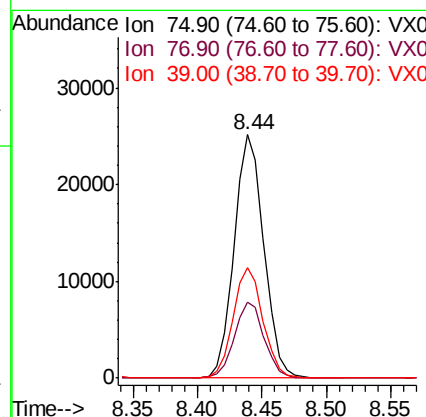
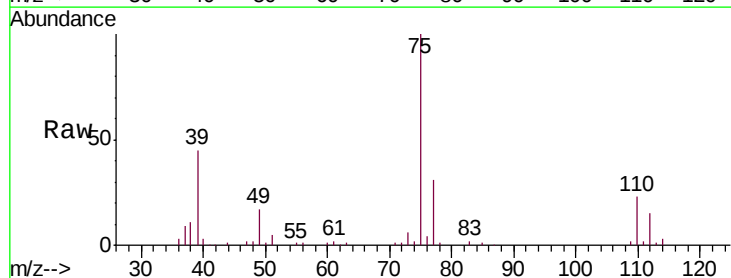
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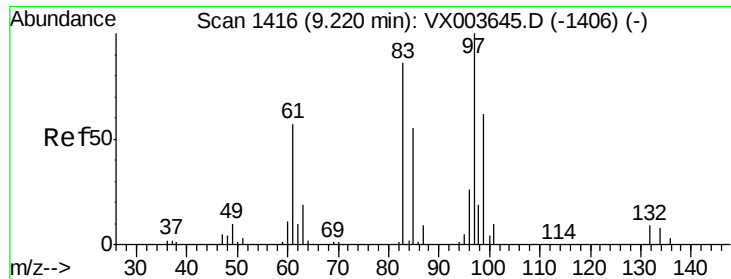
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 19.50 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX003689.D
Acq: 27 Jul 2018 00:40

Tgt Ion: 75 Resp: 40436
Ion Ratio Lower Upper
75 100
77 31.3 25.2 37.8
39 45.5 38.0 57.0





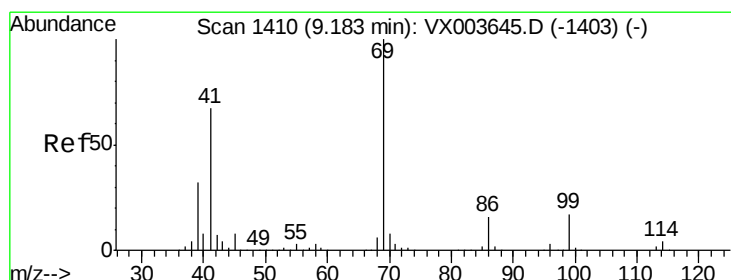
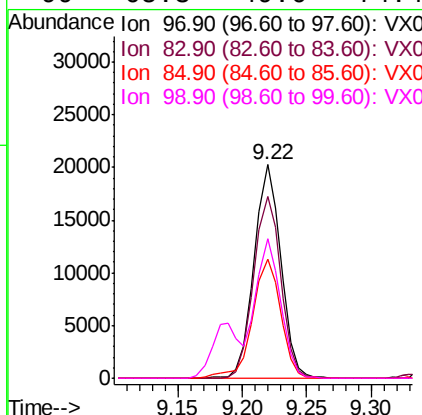
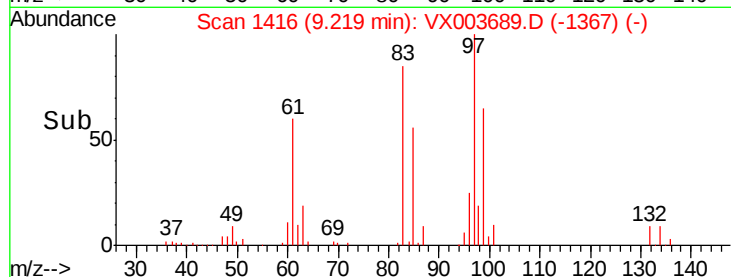
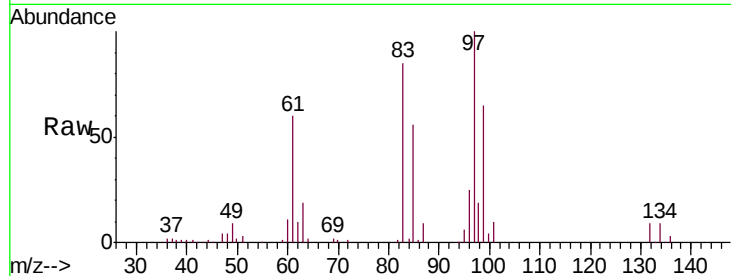
#55
 1,1,2-Trichloroethane
 Concen: 20.81 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX003689.D
 Acq: 27 Jul 2018 00:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0726WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		28913		
83	85.4	68.7	103.1		
85	55.6	43.7	65.5		
99	65.3	49.6	74.4		

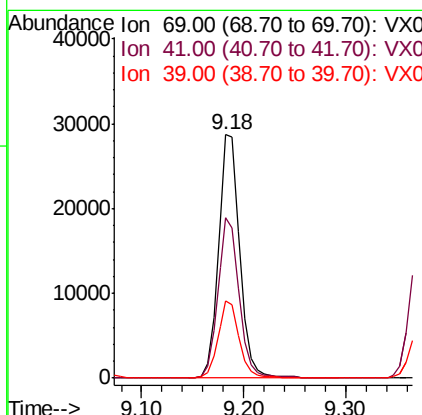
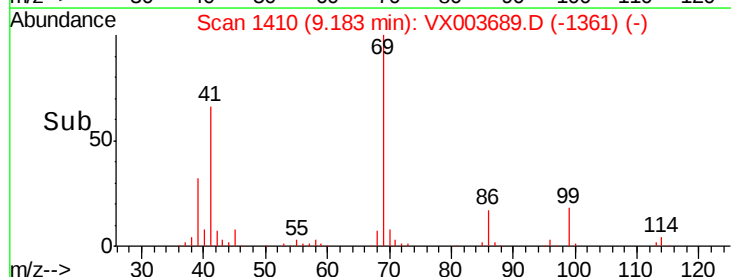
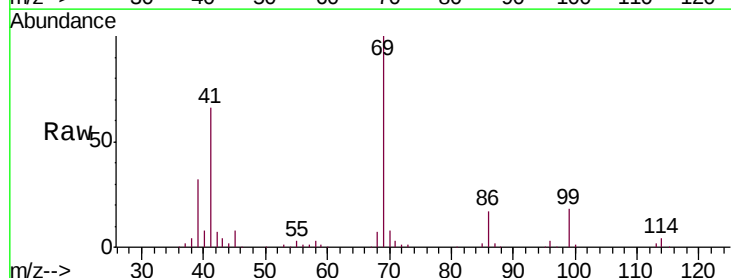
Manual Integrations
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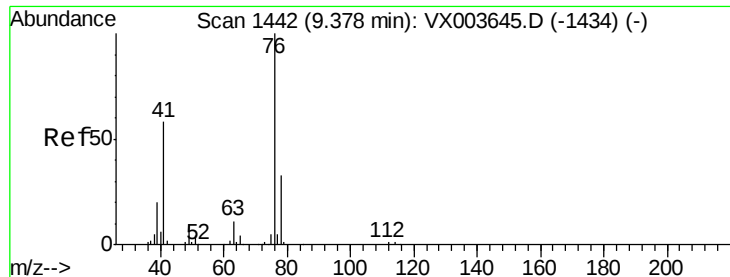
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#56
 Ethyl methacrylate
 Concen: 20.27 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX003689.D
 Acq: 27 Jul 2018 00:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		41906		
41	66.2	53.8	80.6		
39	31.7	25.8	38.8		





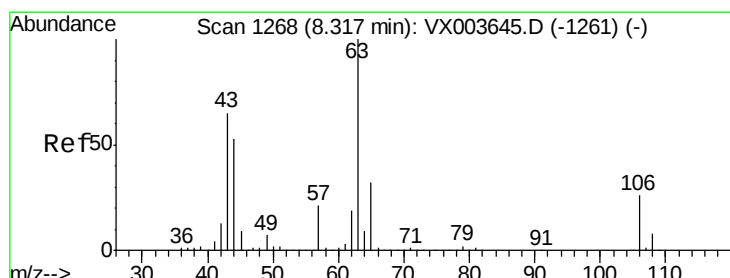
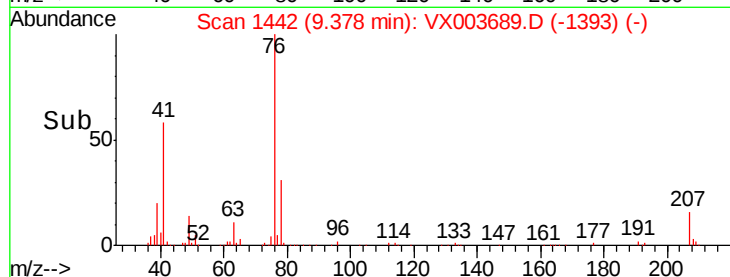
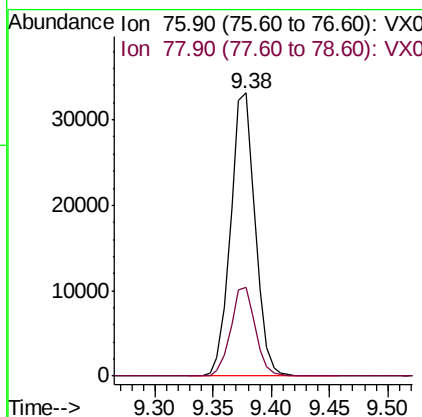
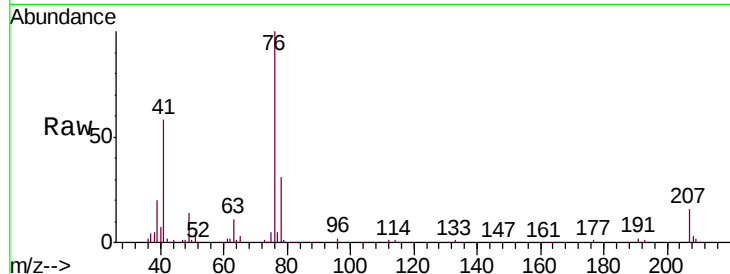
#57
 1,3-Dichloropropane
 Concen: 20.90 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX003689.D
 Acq: 27 Jul 2018 00:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0726WBS02

Tot Ion: 76 Resp: 48764
 Ion Ratio Lower Upper
 76 100
 78 31.2 25.6 38.4

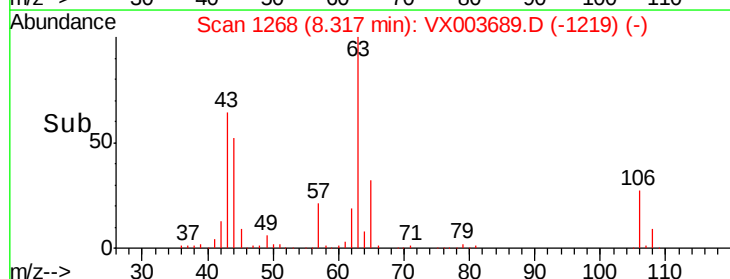
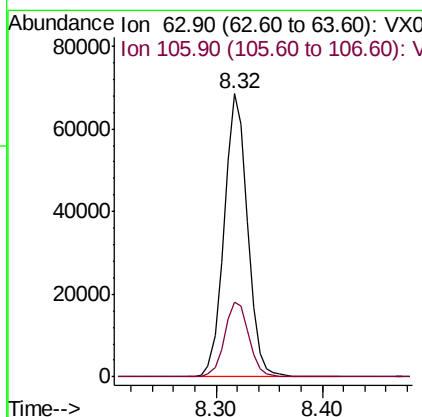
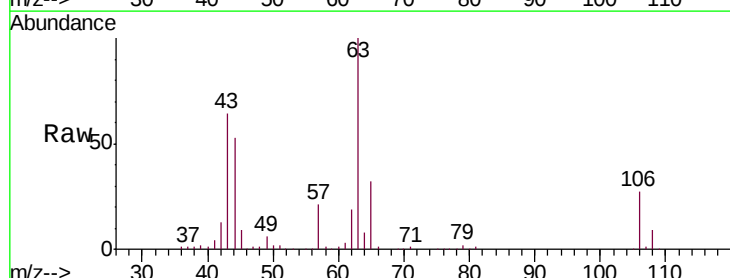
Manual Integrations
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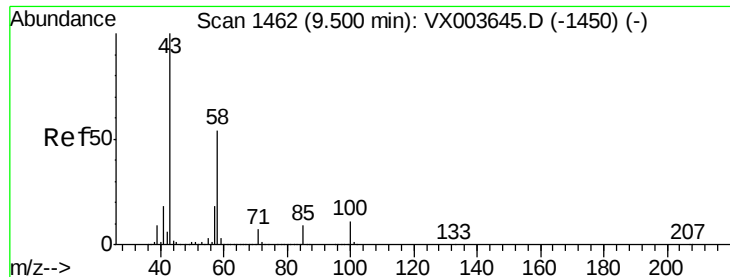
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 101.36 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX003689.D
 Acq: 27 Jul 2018 00:40

Tgt Ion: 63 Resp: 105311
 Ion Ratio Lower Upper
 63 100
 106 27.5 21.5 32.3





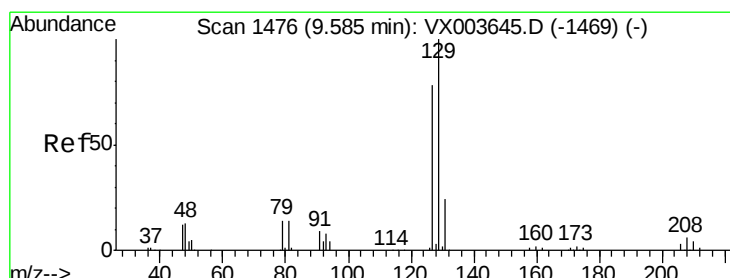
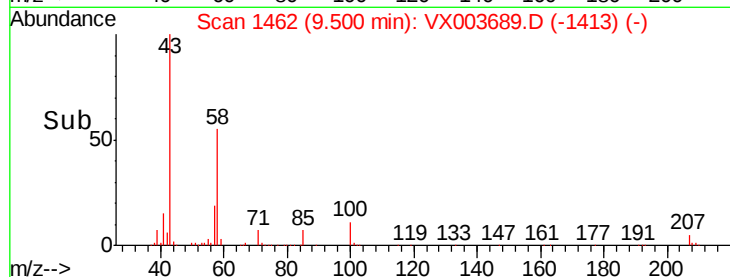
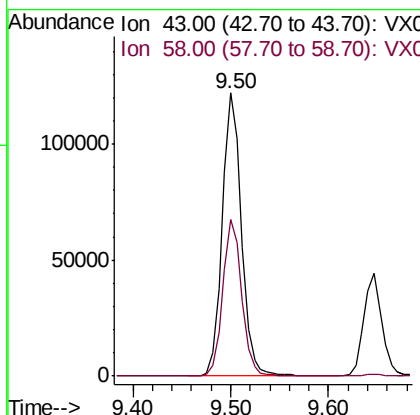
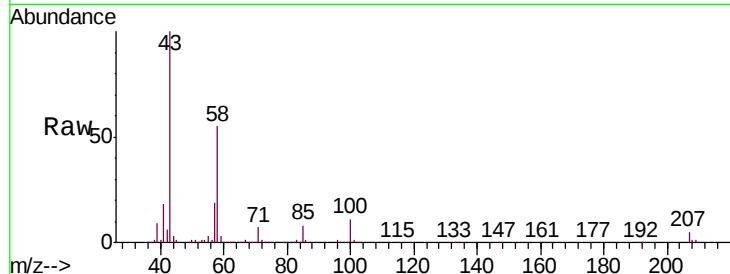
#59
2-Hexanone
Concen: 99.03 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX003689.D
Acq: 27 Jul 2018 00:40

Instrument :
MSVOA_X
ClientSampleId :
VX0726WBS02

Tot Ion: 43 Resp: 166133
Ion Ratio Lower Upper
43 100
58 54.6 27.3 81.9

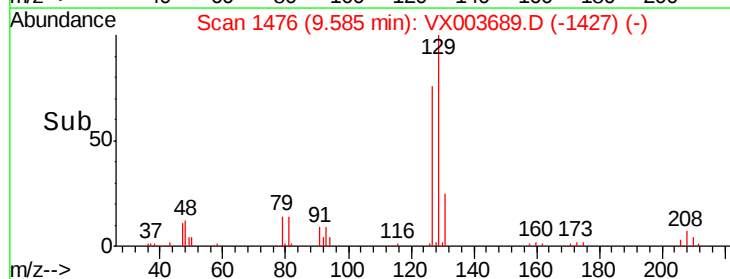
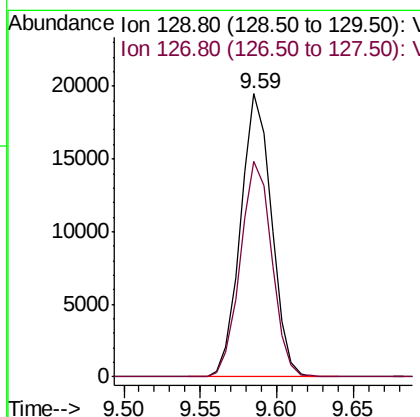
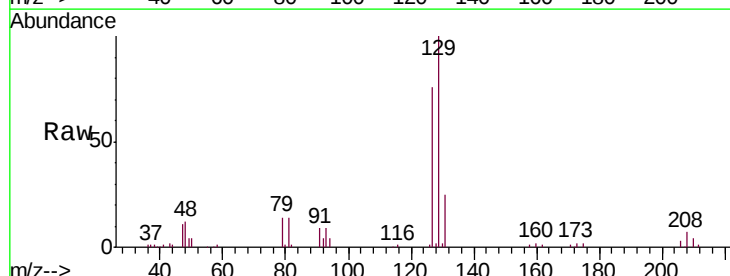
Manual Integrations
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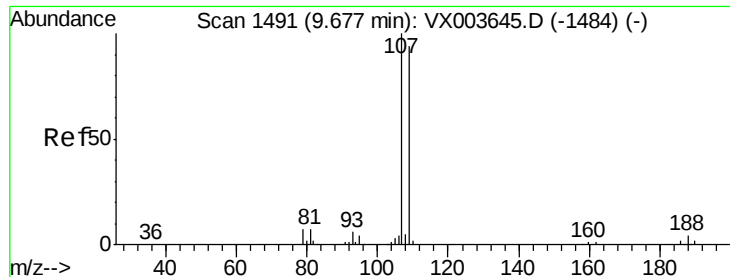
MMDadoda
7/27/2018 5:40:46 PM



#60
Dibromochloromethane
Concen: 20.83 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX003689.D
Acq: 27 Jul 2018 00:40

Tgt Ion: 129 Resp: 27448
Ion Ratio Lower Upper
129 100
127 77.2 38.7 116.1





#61

1,2-Dibromoethane

Concen: 20.50 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX003689.D

Acq: 27 Jul 2018 00:40

Instrument :

MSVOA_X

ClientSampleId :

VX0726WBS02

Tot Ion:107 Resp: 29651

Ion Ratio Lower Upper

107 100

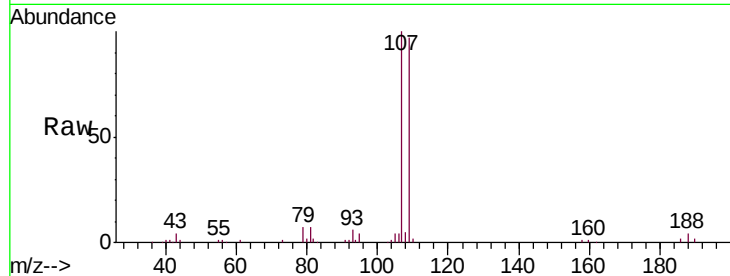
109 95.1 75.4 113.2

Manual Integrations

APPROVED

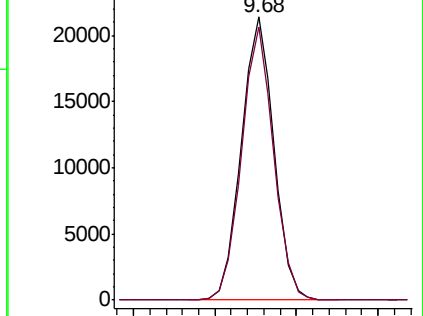
MMDadoda

7/27/2018 5:40:46 PM

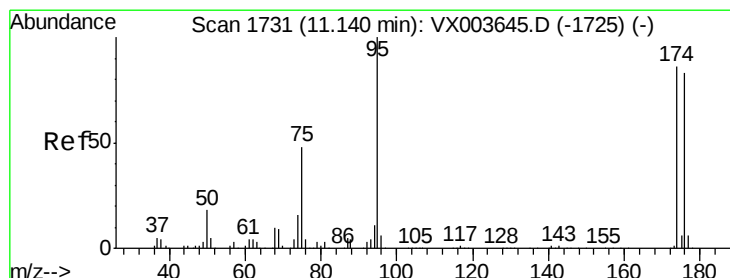
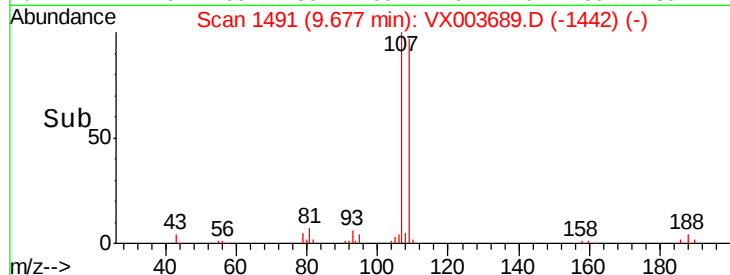


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 50.62 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX003689.D

Acq: 27 Jul 2018 00:40

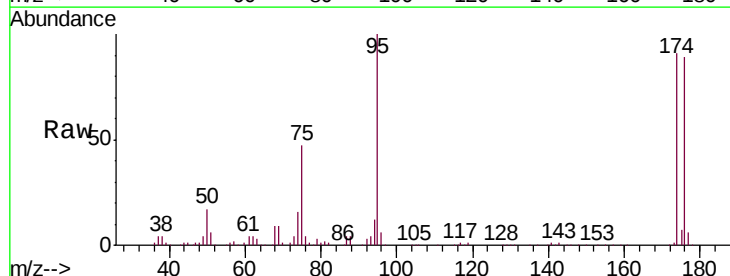
Tgt Ion: 95 Resp: 91057

Ion Ratio Lower Upper

95 100

174 92.2 0.0 179.0

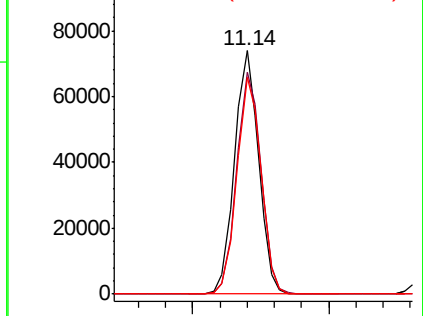
176 89.4 0.0 173.0



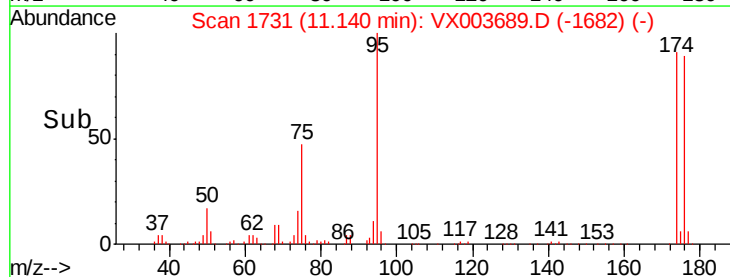
Abundance Ion 94.90 (94.60 to 95.60): VX0

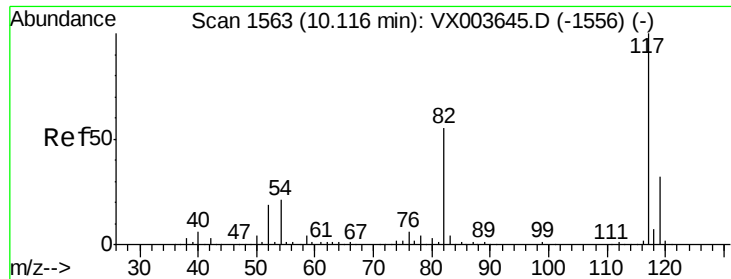
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





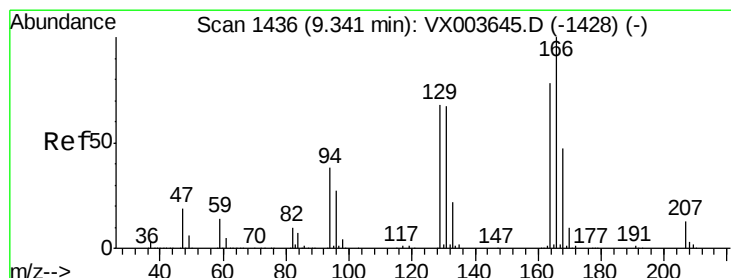
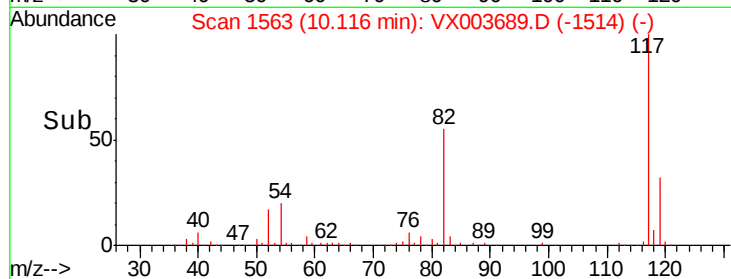
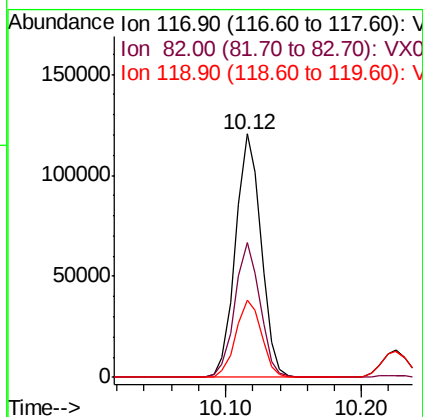
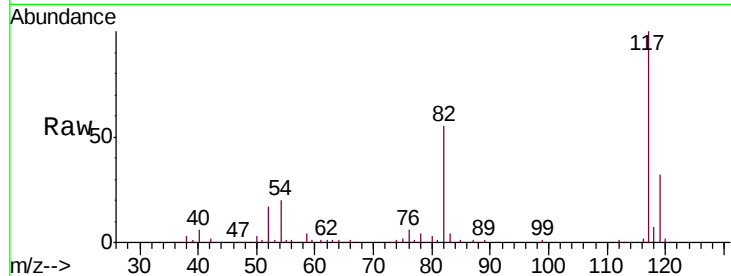
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003689.D
Acq: 27 Jul 2018 00:40

Instrument :
MSVOA_X
ClientSampleId :
VX0726WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.2	44.3	66.5
119	31.9	25.6	38.4

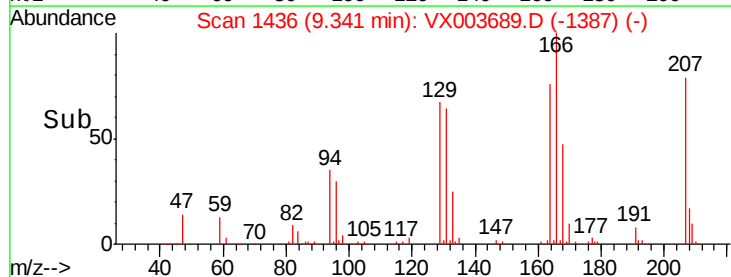
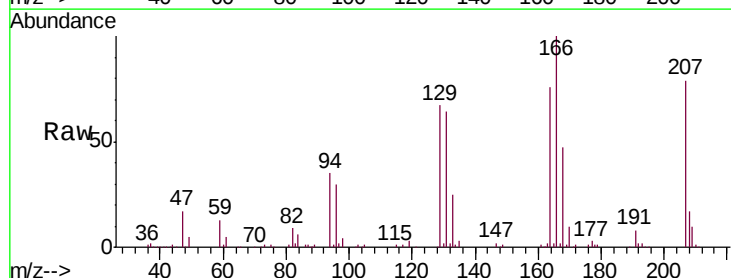
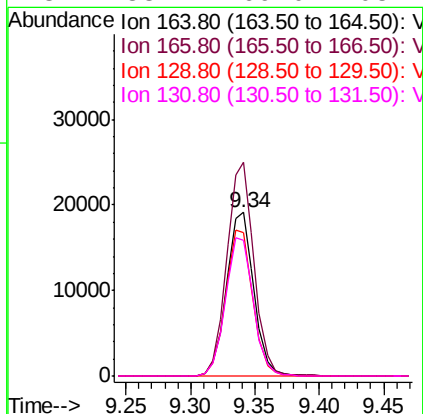
Manual Integrations
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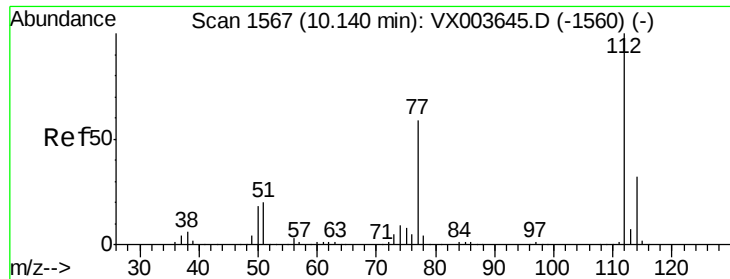
MMDadoda
7/27/2018 5:40:46 PM



#64
Tetrachloroethene
Concen: 19.69 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX003689.D
Acq: 27 Jul 2018 00:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.8	102.4	153.6
129	88.2	69.6	104.4
131	83.4	69.0	103.4





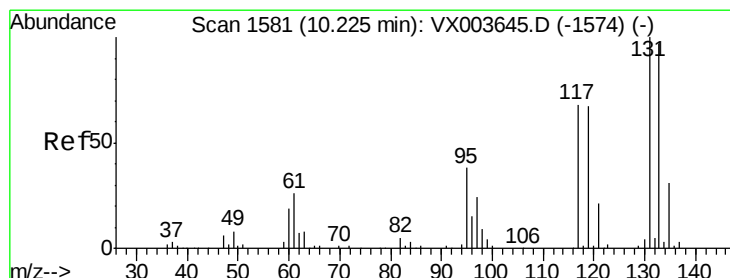
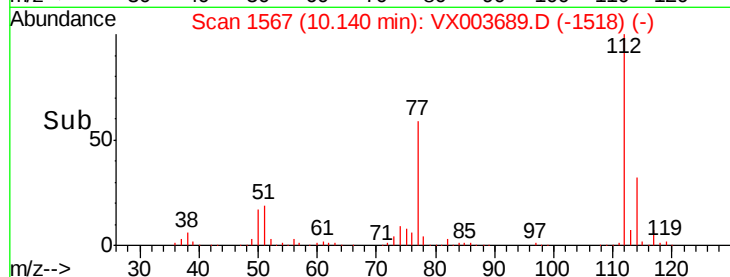
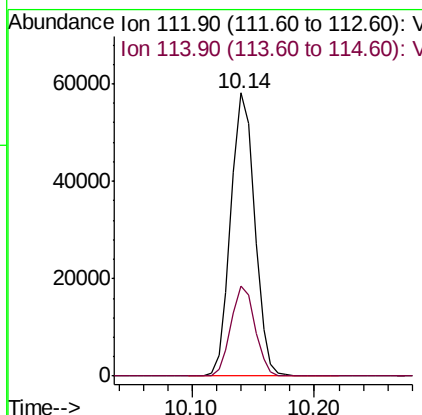
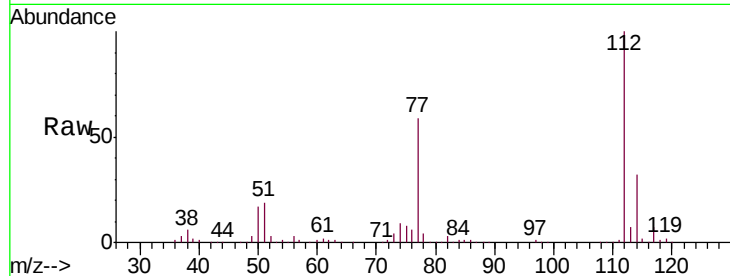
#65
Chlorobenzene
Concen: 19.80 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX003689.D
Acq: 27 Jul 2018 00:40

Instrument :
MSVOA_X
ClientSampleId :
VX0726WBS02

Tot Ion:112 Resp: 78740
Ion Ratio Lower Upper
112 100
114 32.0 25.8 38.8

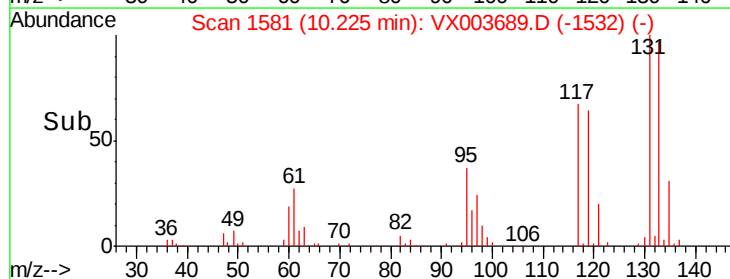
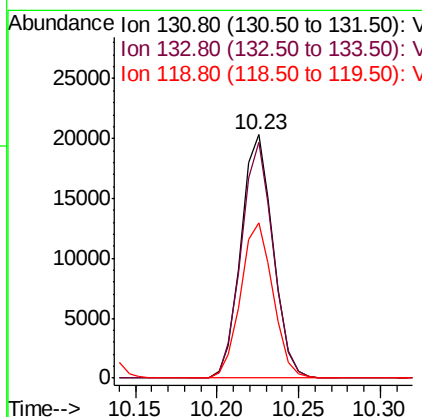
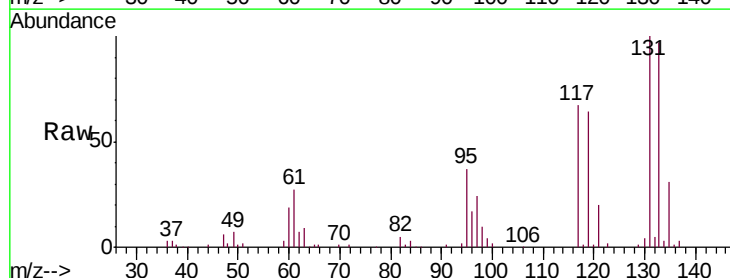
Manual Integrations
APPROVED

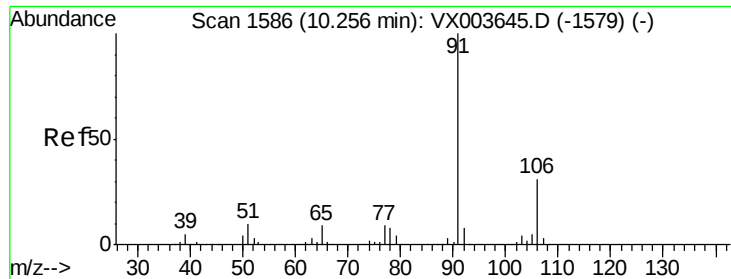
MMDadoda
7/27/2018 5:40:46 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.13 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX003689.D
Acq: 27 Jul 2018 00:40

Tgt Ion:131 Resp: 27831
Ion Ratio Lower Upper
131 100
133 96.7 47.6 142.8
119 64.3 32.8 98.4





#67

Ethyl Benzene

Concen: 19.46 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX003689.D

Acq: 27 Jul 2018 00:40

Instrument :

MSVOA_X

ClientSampled :

VX0726WBS02

Tot Ion: 91 Resp: 129549

Ion Ratio Lower Upper

91 100

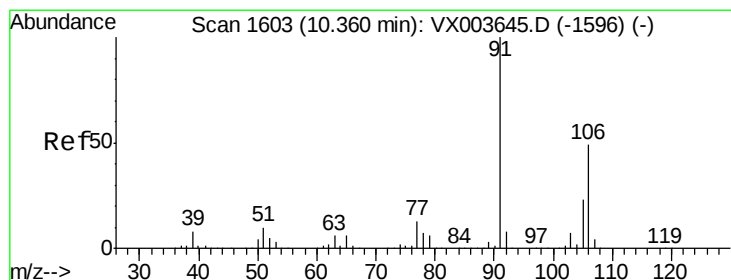
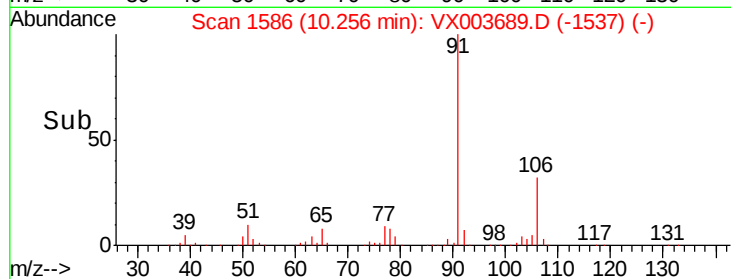
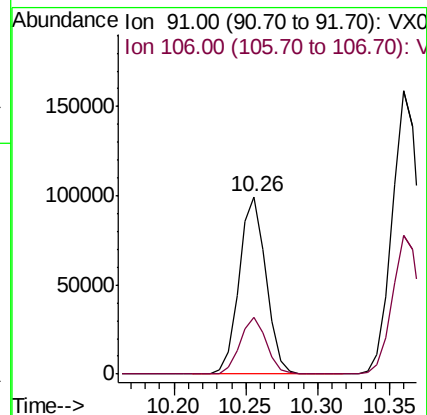
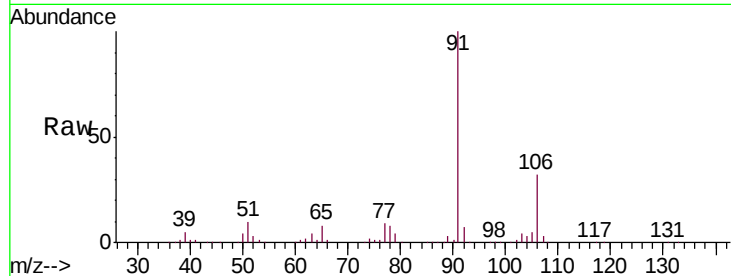
106 32.0 25.0 37.6

Manual Integrations

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#68

m/p-Xylenes

Concen: 40.13 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VX003689.D

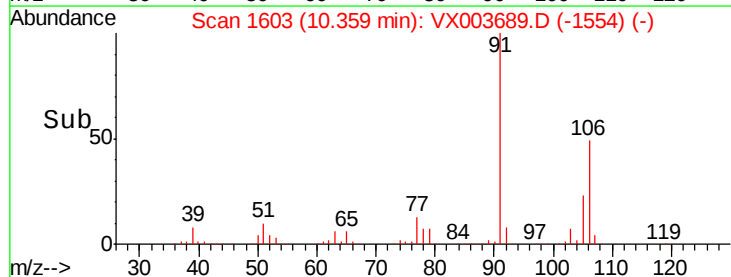
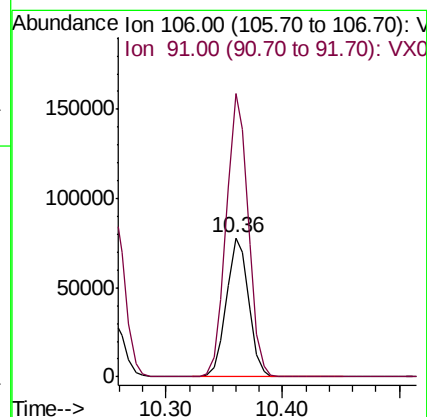
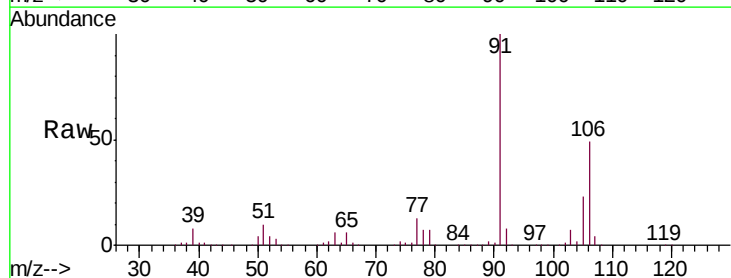
Acq: 27 Jul 2018 00:40

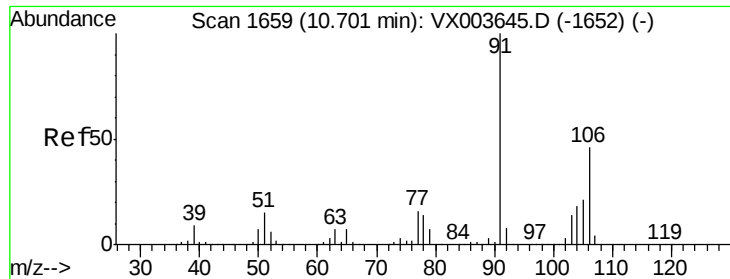
Tgt Ion: 106 Resp: 102472

Ion Ratio Lower Upper

106 100

91 202.2 162.2 243.2





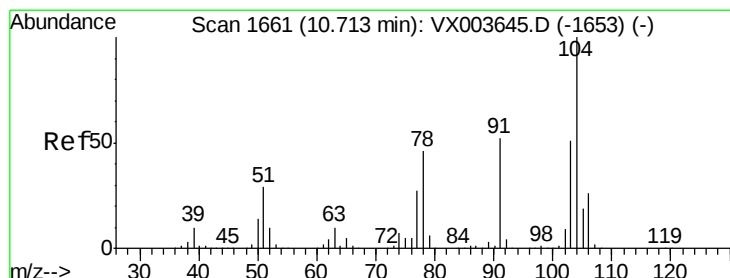
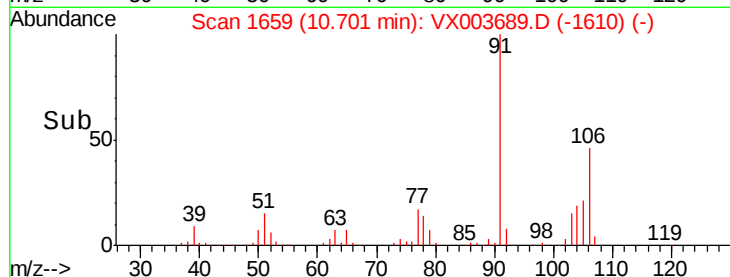
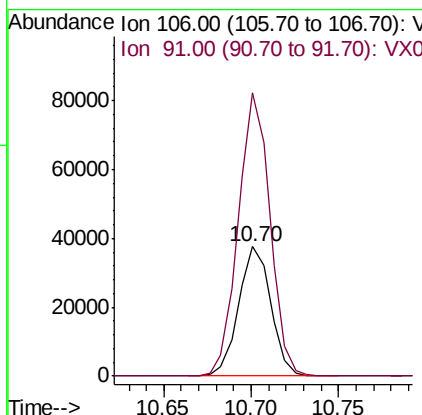
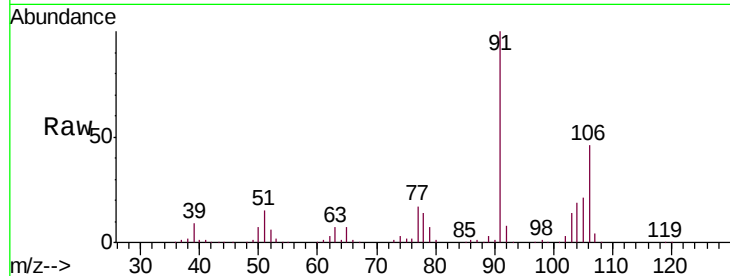
#69
o-Xylene
Concen: 19.57 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003689.D
Acq: 27 Jul 2018 00:40

Instrument :
MSVOA_X
ClientSampleId :
VX0726WBS02

Tot Ion:106 Resp: 48112
Ion Ratio Lower Upper
106 100
91 216.7 107.1 321.1

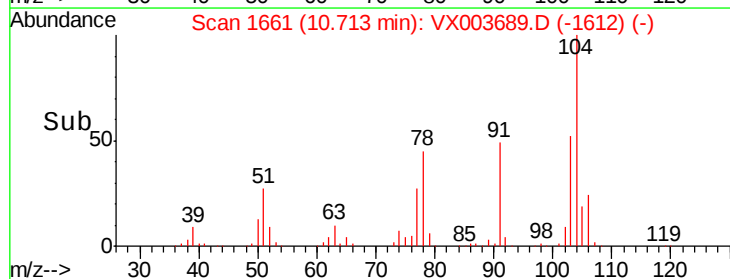
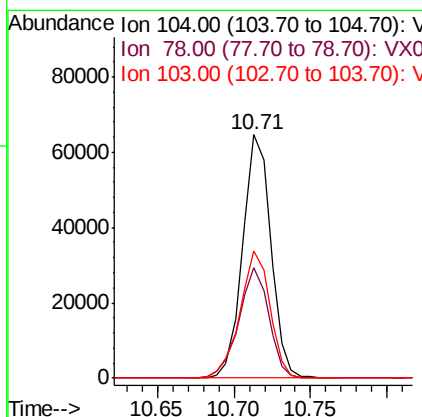
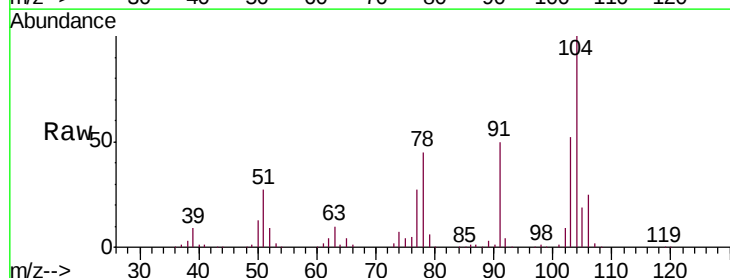
Manual Integrations
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#70
Styrene
Concen: 20.11 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX003689.D
Acq: 27 Jul 2018 00:40

Tgt Ion:104 Resp: 83023
Ion Ratio Lower Upper
104 100
78 48.6 39.2 58.8
103 55.7 44.2 66.4





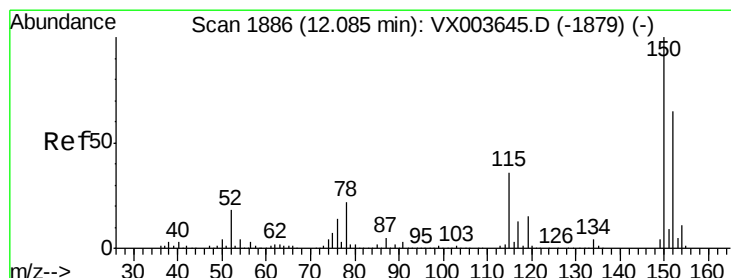
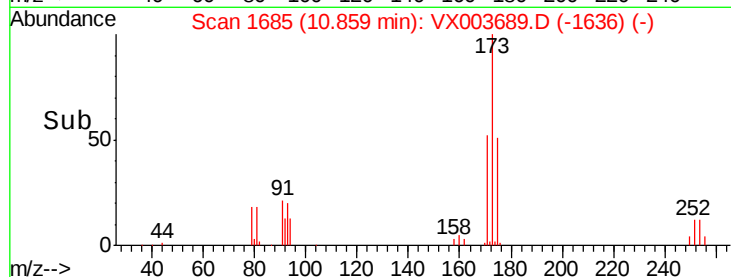
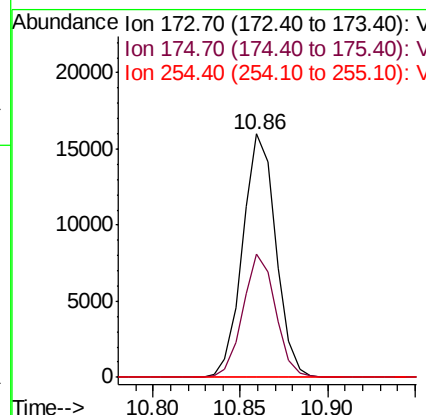
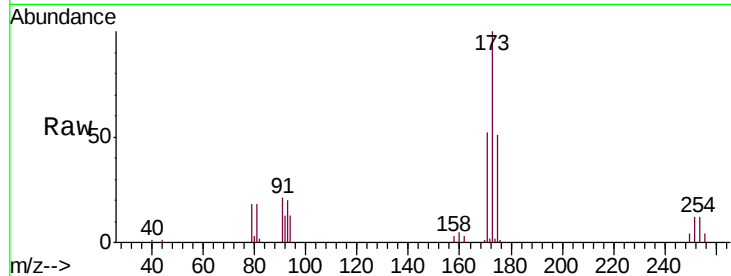
#71
Bromoform
Concen: 19.26 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX003689.D
Acq: 27 Jul 2018 00:40

Instrument :
MSVOA_X
ClientSampleId :
VX0726WBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.1	72.2
254	0.0	0.0	0.0

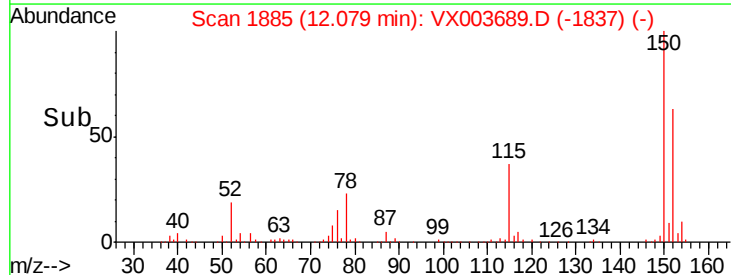
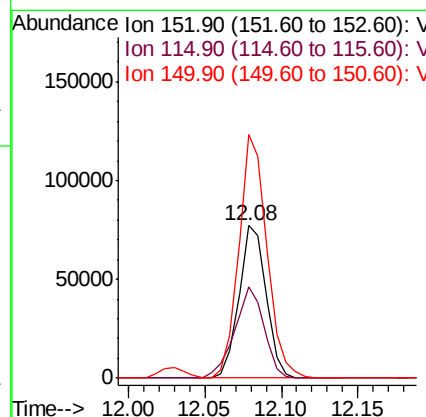
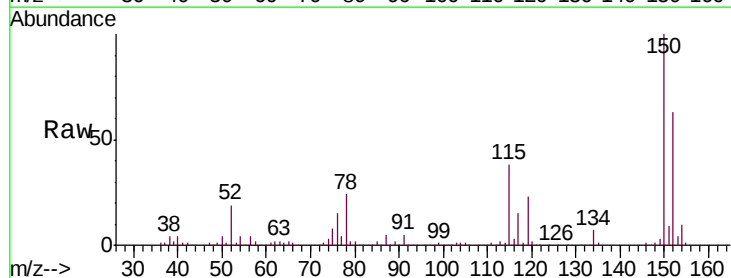
Manual Integrations
APPROVED

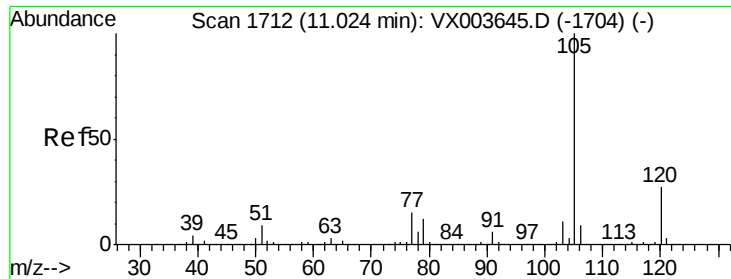
MMDadoda
7/27/2018 5:40:46 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX003689.D
Acq: 27 Jul 2018 00:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.8	40.0	119.9
150	165.1	0.0	348.4





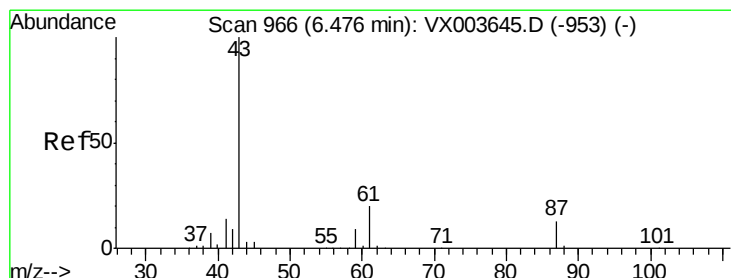
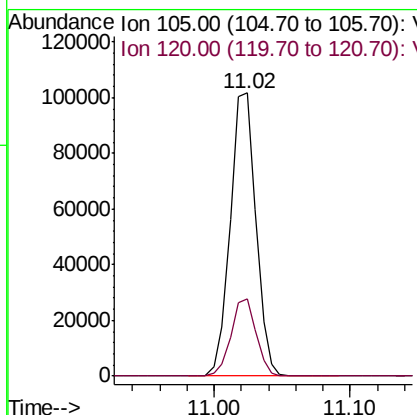
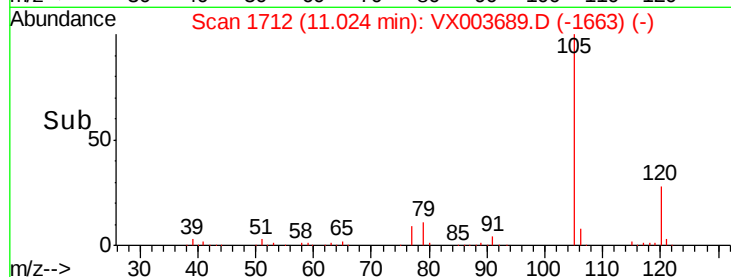
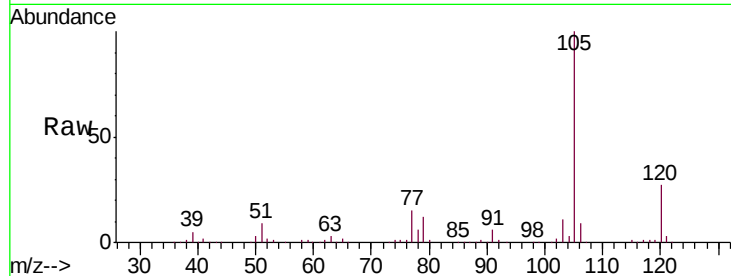
#73
Isopropylbenzene
Concen: 20.65 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. -0.00 min
Lab File: VX003689.D
Acq: 27 Jul 2018 00:40

Instrument :
MSVOA_X
ClientSampleId :
VX0726WBS02

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.5	40.5

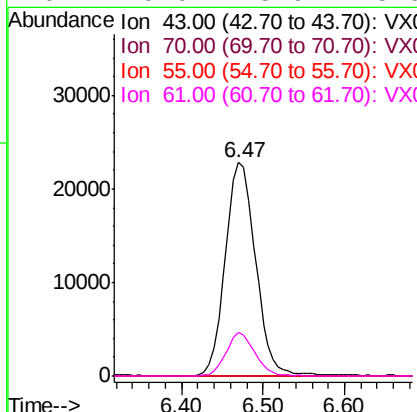
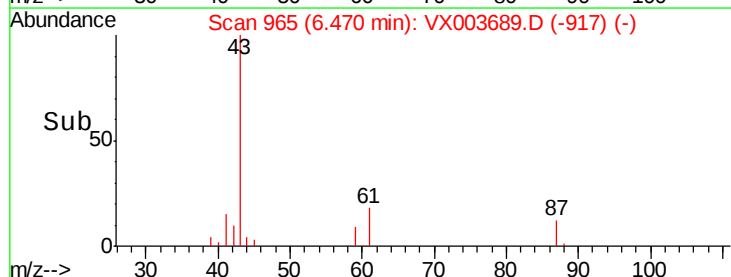
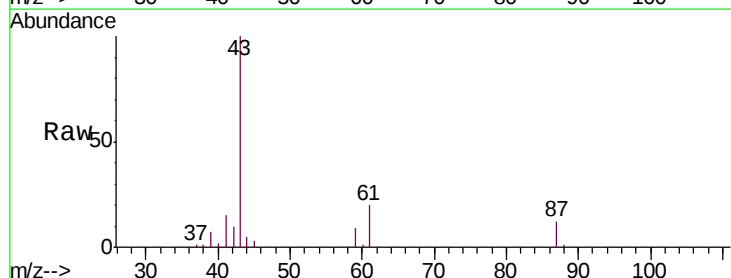
Manual Integrations
APPROVED

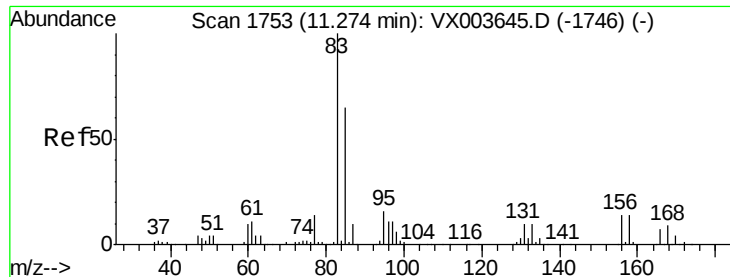
MMDadoda
7/27/2018 5:40:46 PM



#74
N-ethyl acetate
Concen: 17.49 ug/l
RT: 6.47 min Scan# 965
Delta R.T. -0.01 min
Lab File: VX003689.D
Acq: 27 Jul 2018 00:40

Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	0.0	0.0
55	0.0	0.0	0.0
61	19.0	15.9	23.9





#75

1,1,2,2-Tetrachloroethane

Concen: 19.44 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX003689.D

Acq: 27 Jul 2018 00:40

Instrument :

MSVOA_X

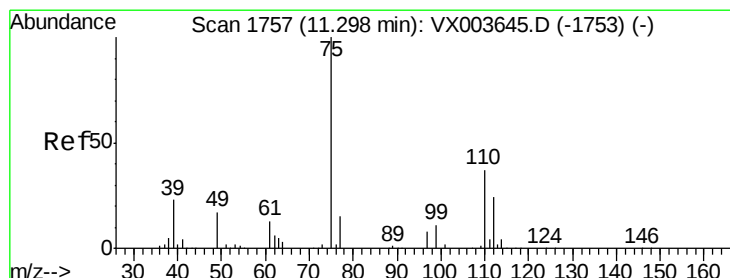
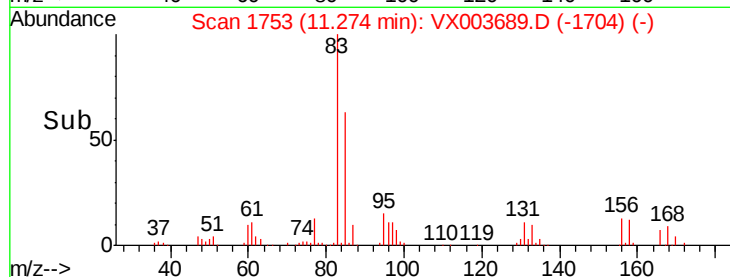
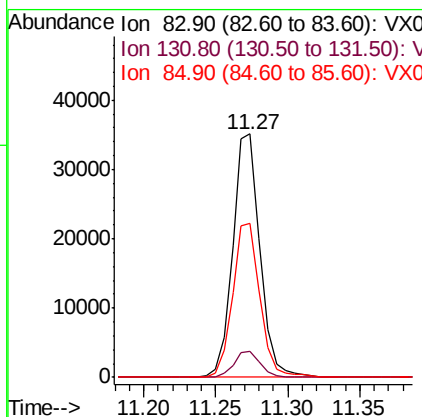
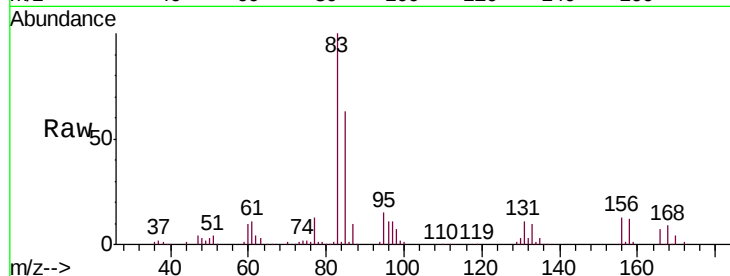
ClientSampleId :

VX0726WBS02

Tot Ion:	83	Resp:	46368
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.1	15.4
85	63.9	31.9	95.9

Manual Integrations
APPROVED

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7/27/2018 5:40:46 PM



#76

1,2,3-Trichloropropane

Concen: 19.74 ug/l m

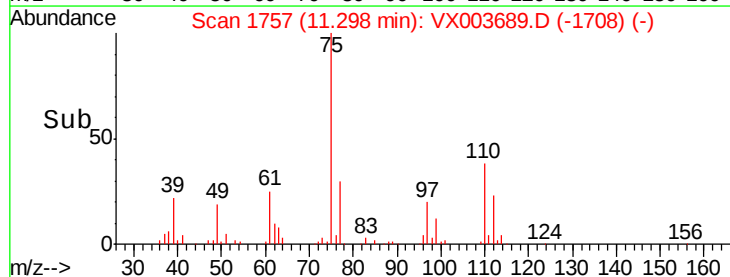
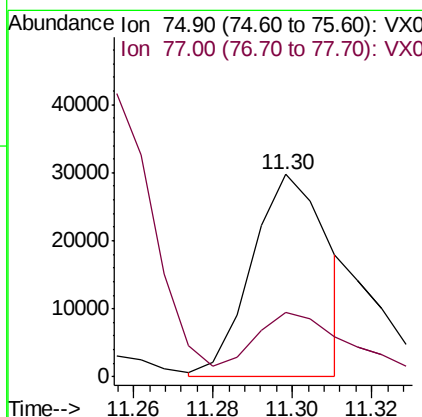
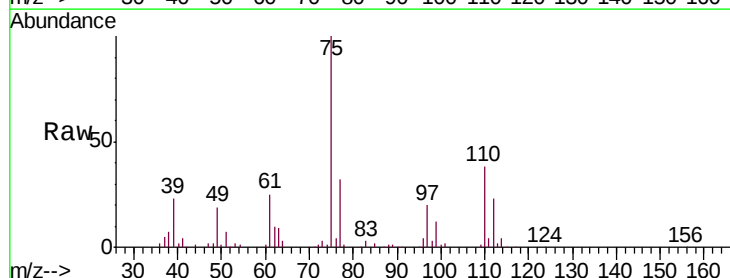
RT: 11.30 min Scan# 1757

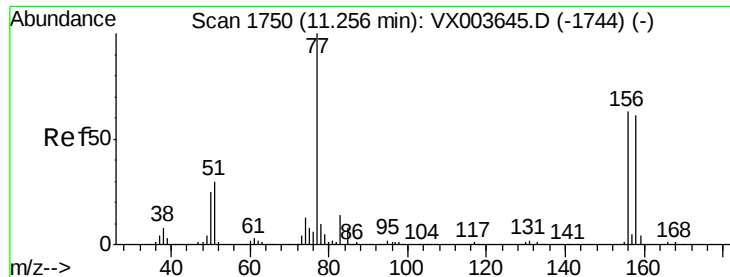
Delta R.T. -0.00 min

Lab File: VX003689.D

Acq: 27 Jul 2018 00:40

Tgt Ion:	75	Resp:	39154
Ion Ratio	Lower	Upper	
75	100		
77	40.9	21.6	64.6





#77

Bromobenzene

Concen: 20.34 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX003689.D

Acq: 27 Jul 2018 00:40

Instrument :

MSVOA_X

ClientSampleId :

VX0726WBS02

Tot Ion:156 Resp: 35683

Ion Ratio Lower Upper

156 100

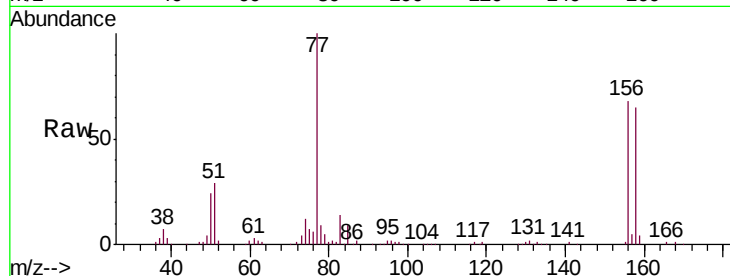
77 145.3 74.9 224.6

158 97.8 48.4 145.2

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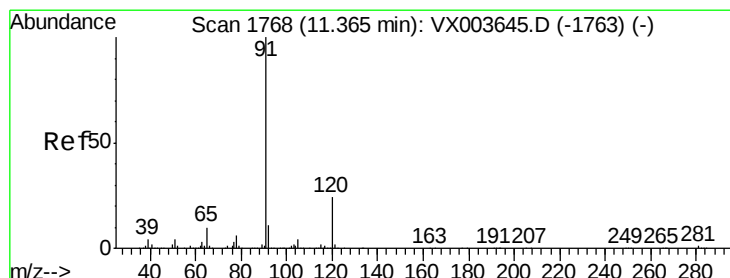
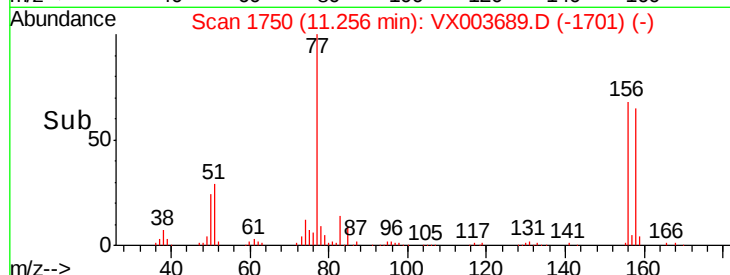
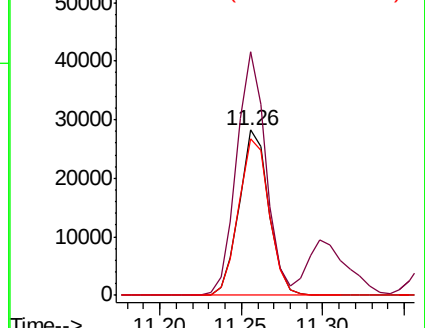
7/27/2018 5:40:46 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.37 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX003689.D

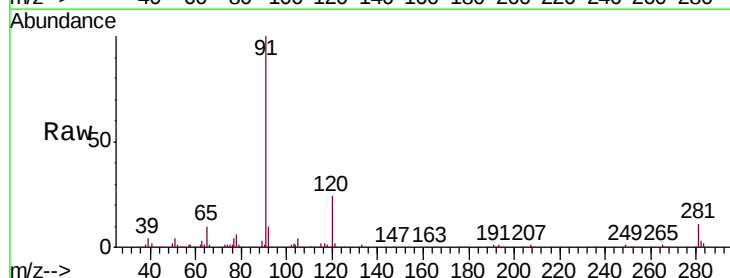
Acq: 27 Jul 2018 00:40

Tgt Ion: 91 Resp: 151968

Ion Ratio Lower Upper

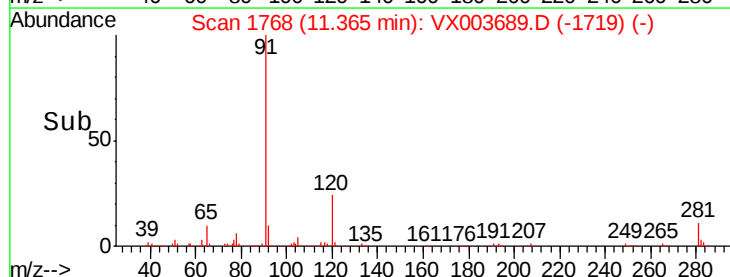
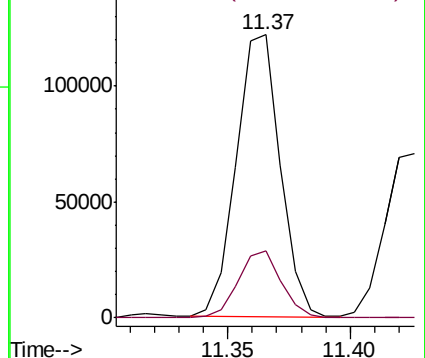
91 100

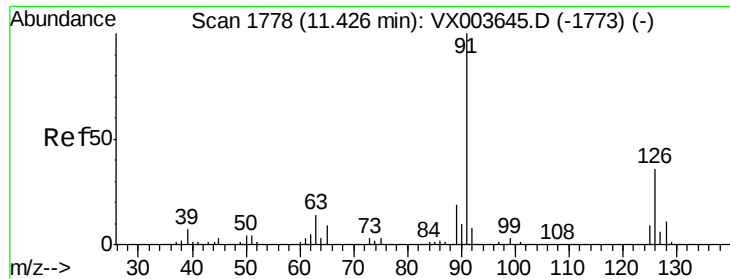
120 23.3 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





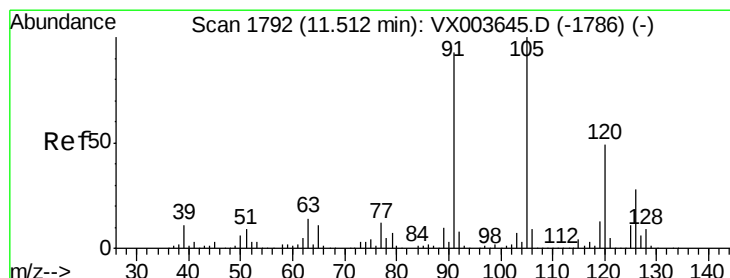
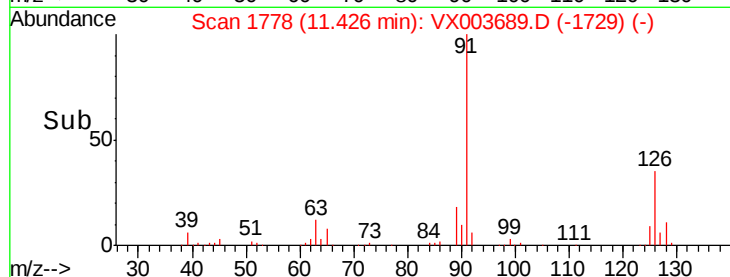
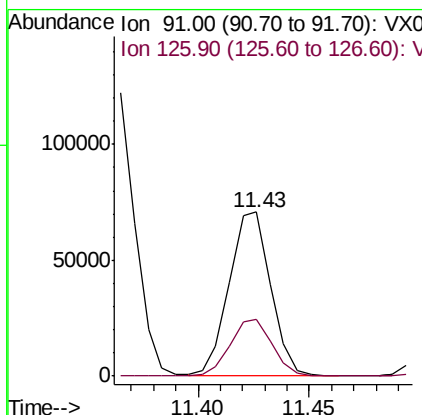
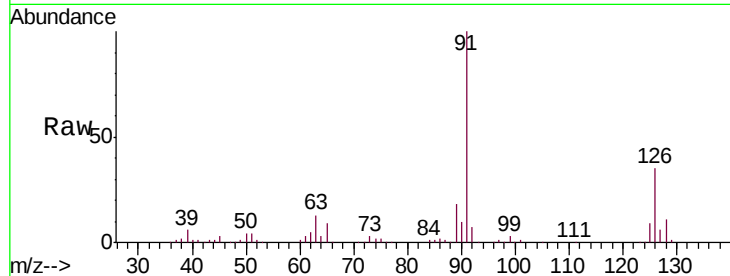
#79
 2-Chlorotoluene
 Concen: 20.23 ug/l
 RT: 11.43 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: VX003689.D
 Acq: 27 Jul 2018 00:40

Instrument :
 MSVOA_X
 ClientSampled :
 VX0726WBS02

Tot Ion: 91 Resp: 91707
 Ion Ratio Lower Upper
 91 100
 126 35.1 17.3 52.0

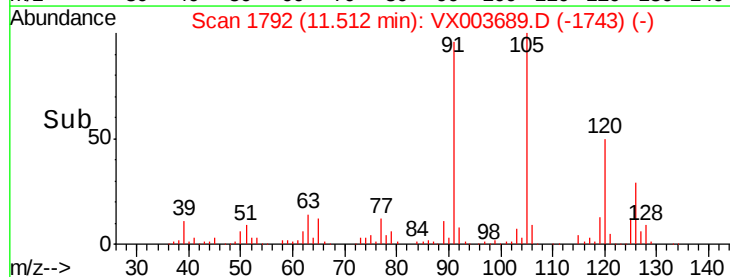
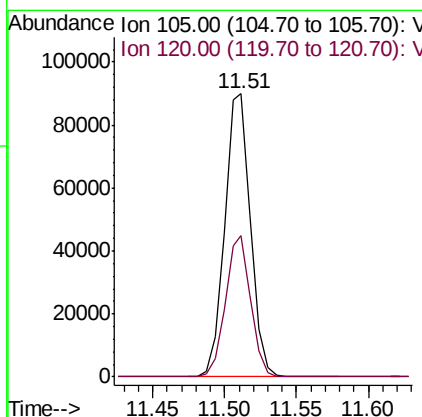
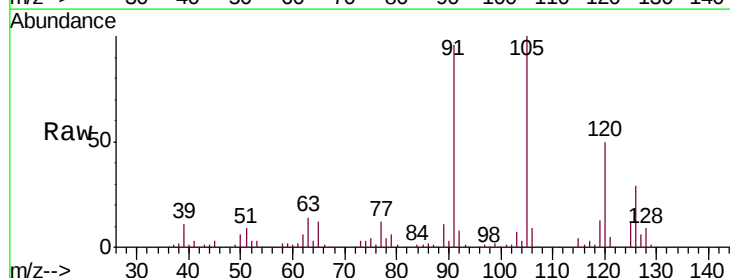
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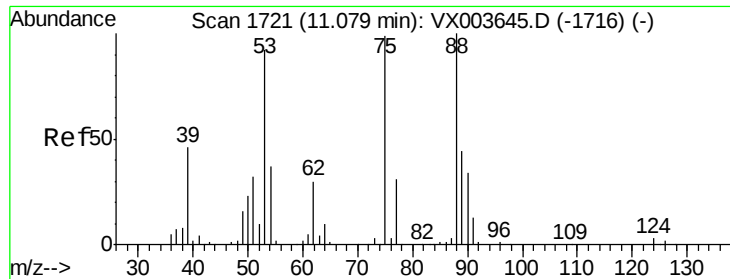
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.70 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX003689.D
 Acq: 27 Jul 2018 00:40

Tgt Ion: 105 Resp: 113149
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.4 73.4





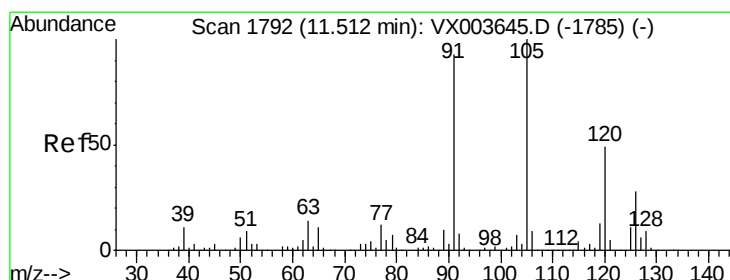
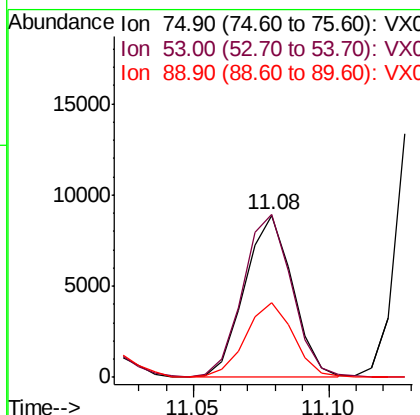
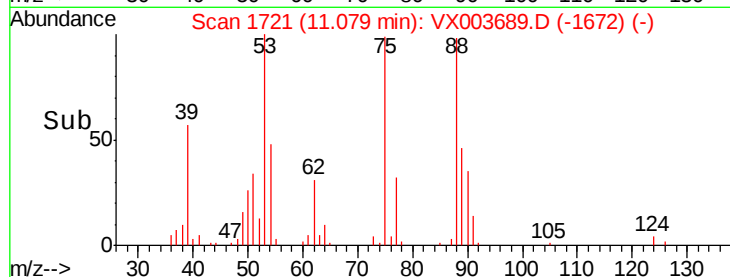
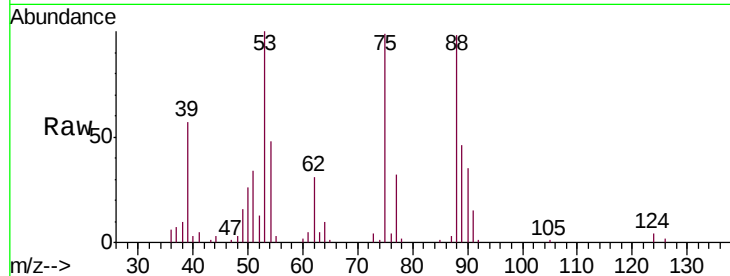
#81
trans-1,4-Dichloro-2-butene
Concen: 17.00 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX003689.D
Acq: 27 Jul 2018 00:40

Instrument :
MSVOA_X
ClientSampleId :
VX0726WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.9	77.8	116.8
89	45.8	36.6	54.8

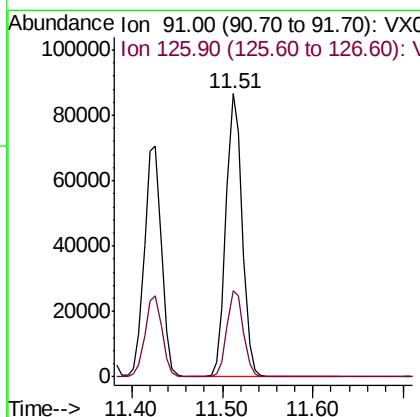
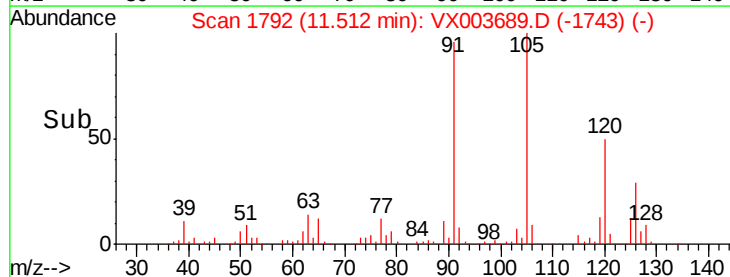
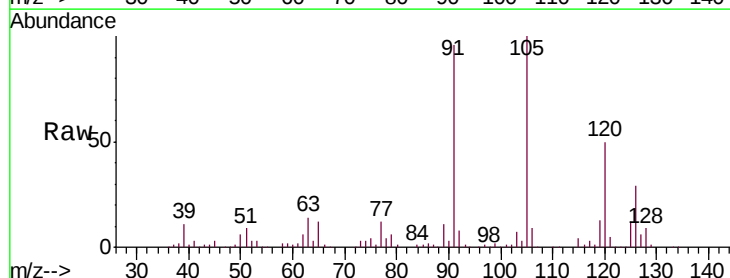
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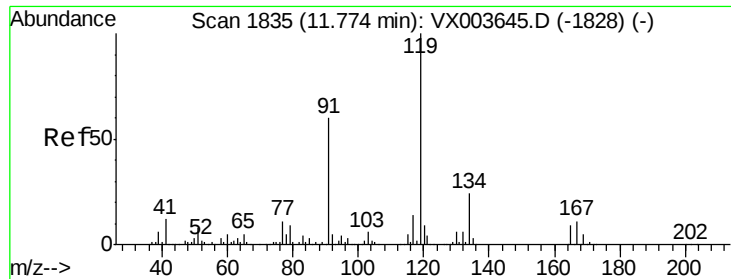
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#82
4-Chlorotoluene
Concen: 20.27 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX003689.D
Acq: 27 Jul 2018 00:40

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.8	15.4	46.1





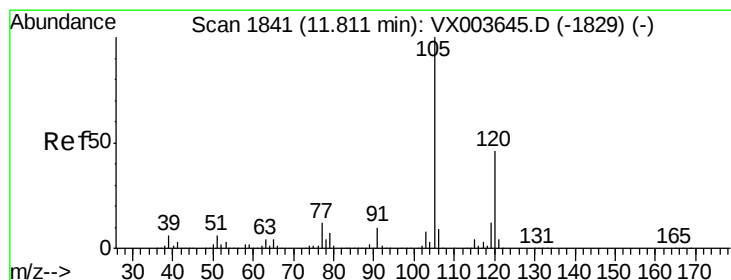
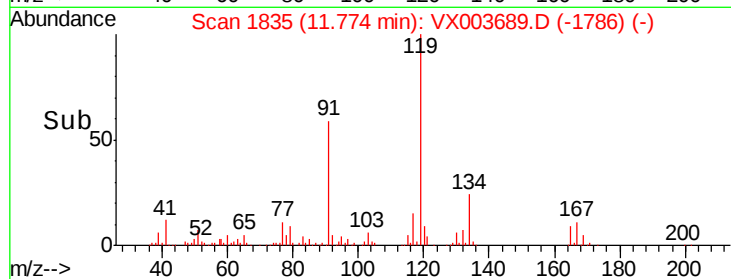
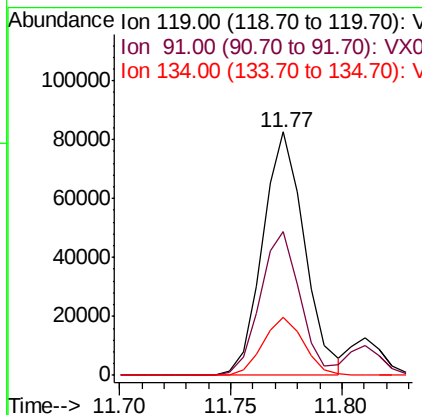
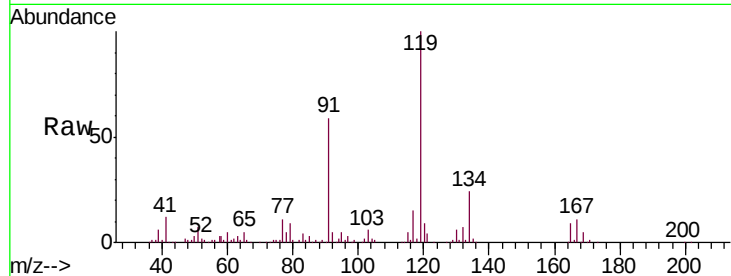
#83
 tert-Butylbenzene
 Concen: 20.18 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX003689.D
 Acq: 27 Jul 2018 00:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0726WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	107914		
91	55.8	28.4	85.2	
134	23.4	11.6	34.8	

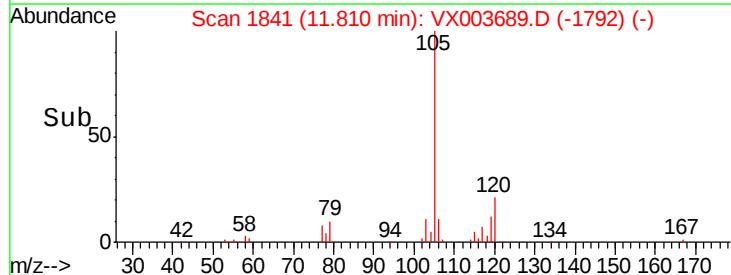
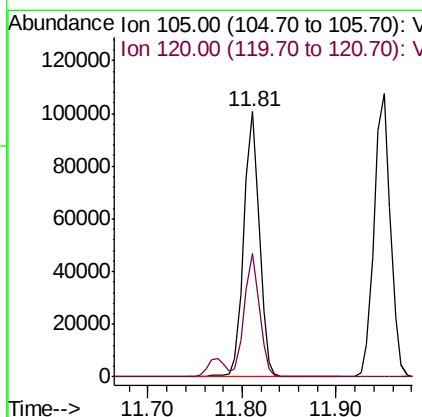
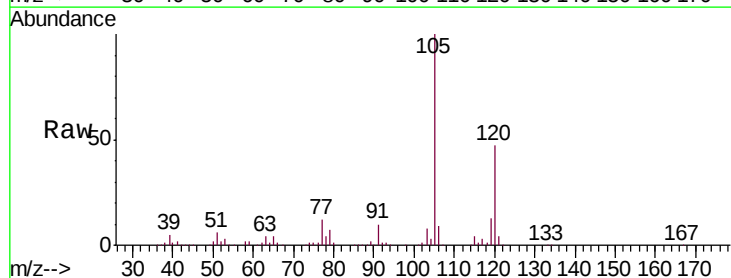
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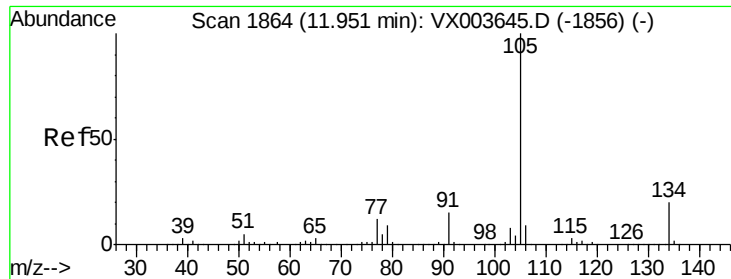
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.74 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX003689.D
 Acq: 27 Jul 2018 00:40

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	116490		
120	45.6	22.6	67.8	





#85

sec-Butylbenzene

Concen: 20.29 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX003689.D

Acq: 27 Jul 2018 00:40

Instrument :

MSVOA_X

ClientSampled :

VX0726WBS02

Tot Ion:105 Resp: 129522

Ion Ratio Lower Upper

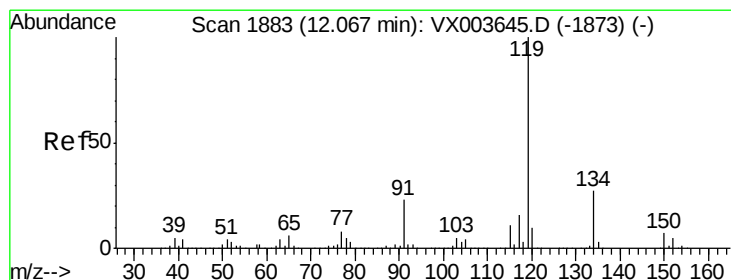
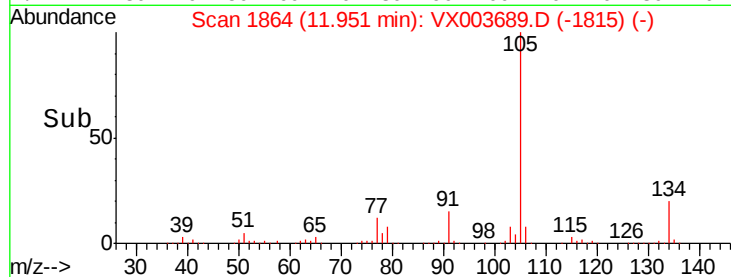
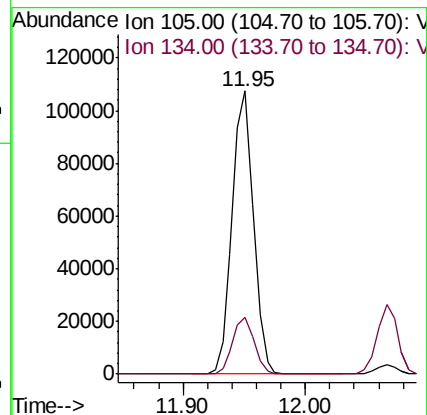
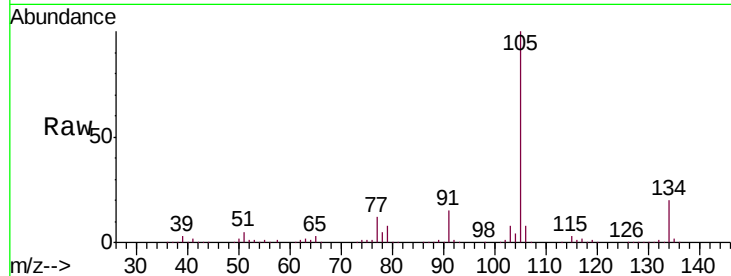
105 100

134 20.3 10.1 30.1

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 20.28 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX003689.D

Acq: 27 Jul 2018 00:40

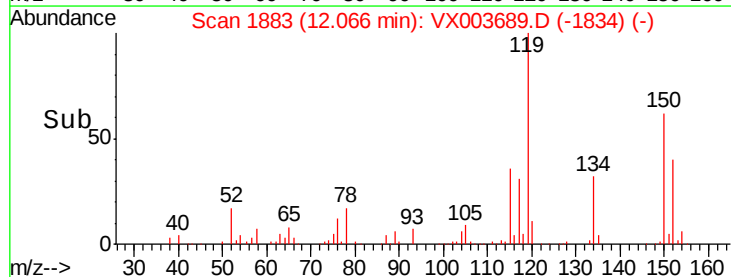
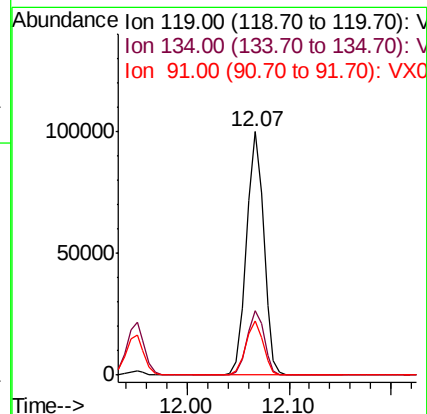
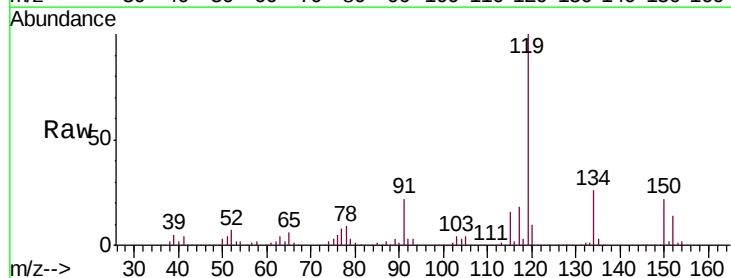
Tgt Ion:119 Resp: 116198

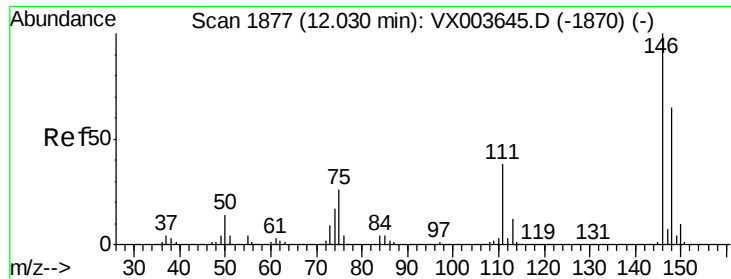
Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.9

91 22.6 11.5 34.5





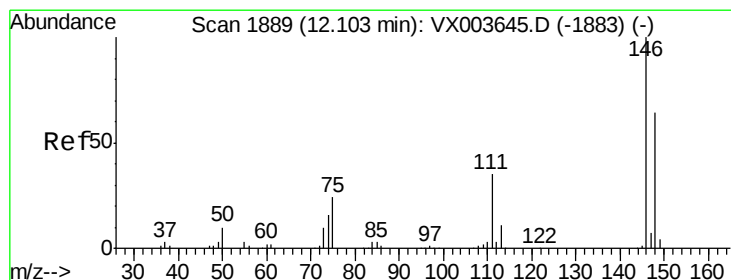
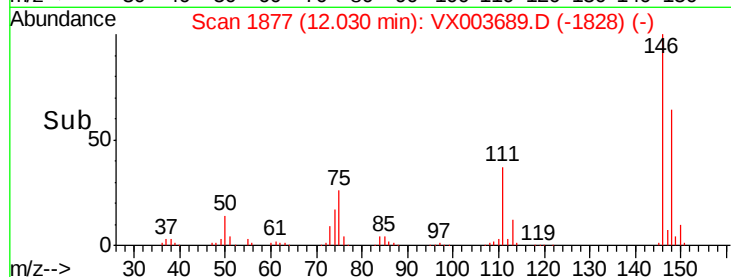
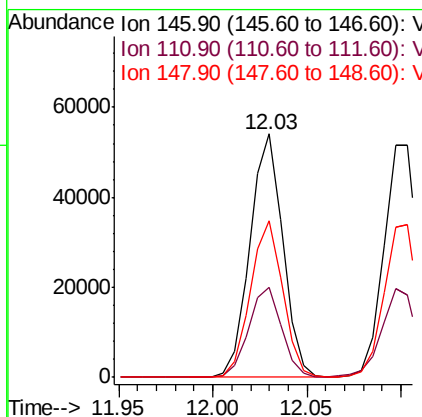
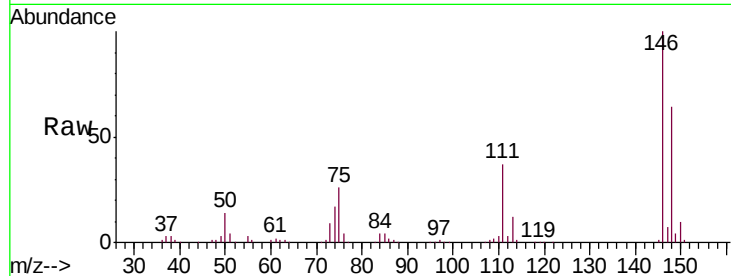
#87
 1,3-Dichlorobenzene
 Concen: 20.04 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX003689.D
 Acq: 27 Jul 2018 00:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0726WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	19.4	58.2
148	63.1	32.4	97.0

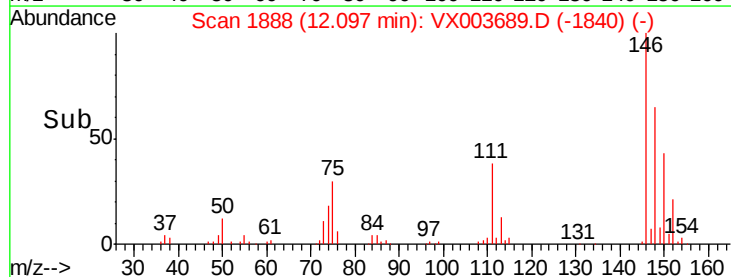
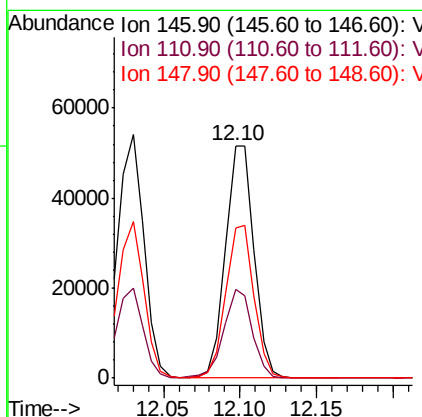
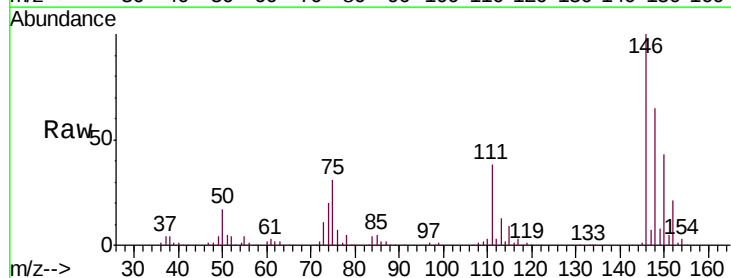
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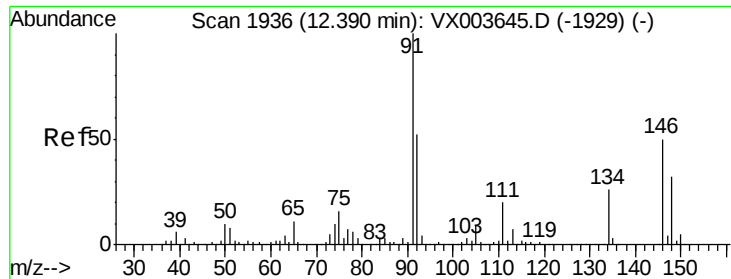
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#88
 1,4-Dichlorobenzene
 Concen: 19.61 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.01 min
 Lab File: VX003689.D
 Acq: 27 Jul 2018 00:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.6	55.6
148	65.2	32.0	96.2





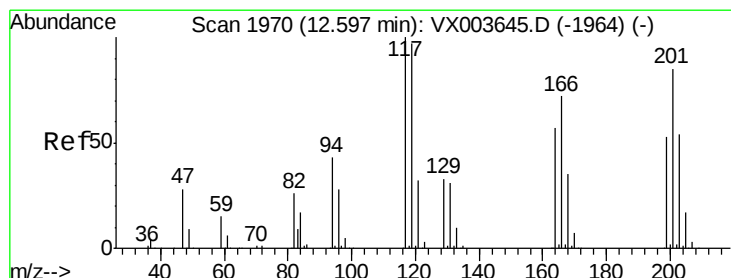
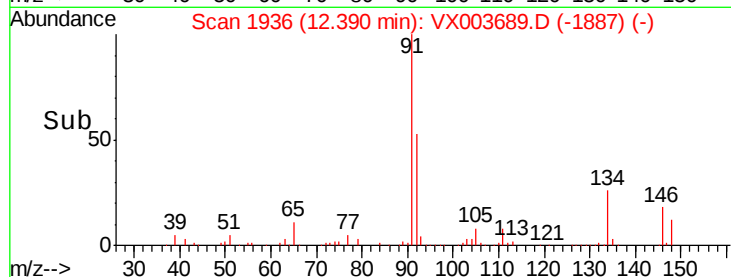
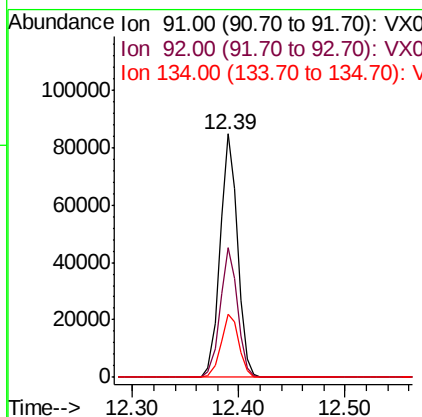
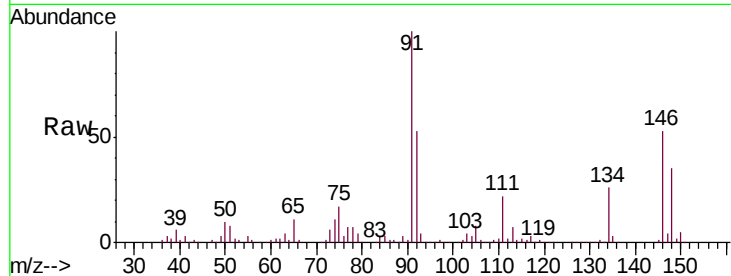
#89
n-Butylbenzene
Concen: 18.75 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX003689.D
Acq: 27 Jul 2018 00:40

Instrument :
MSVOA_X
ClientSampleId :
VX0726WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.3	78.9
134	26.3	13.3	39.8

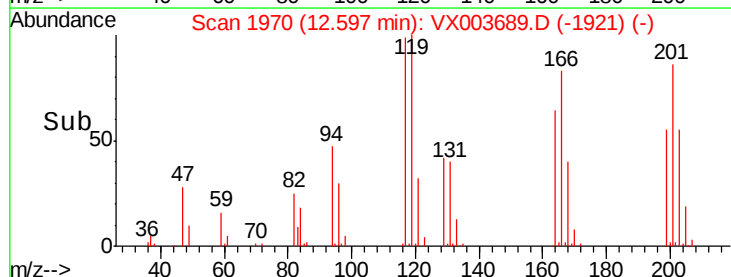
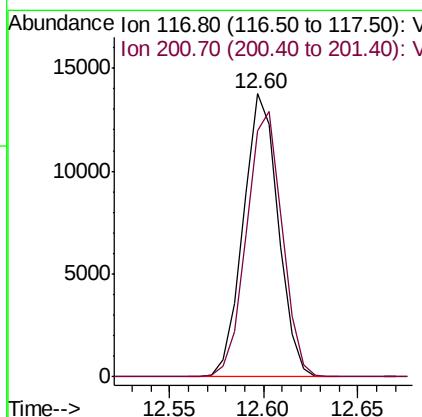
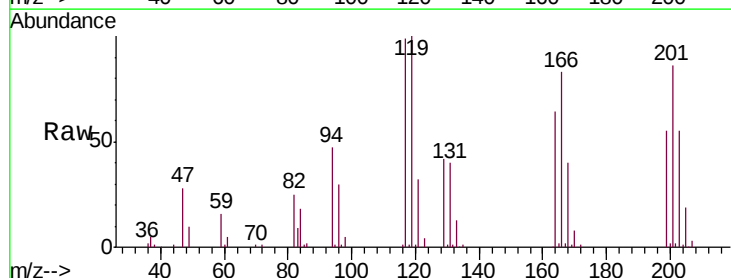
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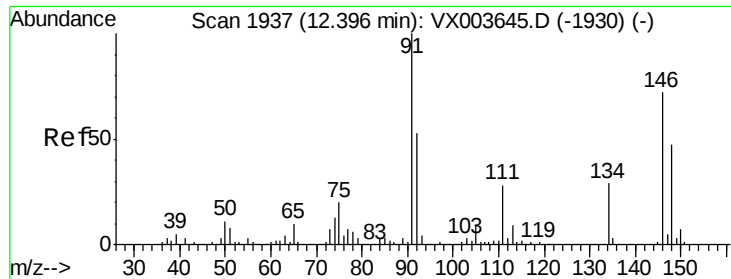
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#90
Hexachloroethane
Concen: 20.39 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX003689.D
Acq: 27 Jul 2018 00:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.4	46.2	138.5





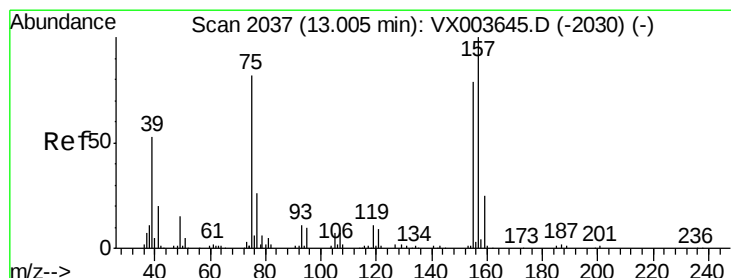
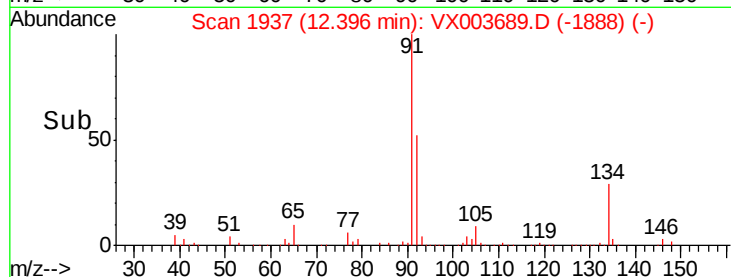
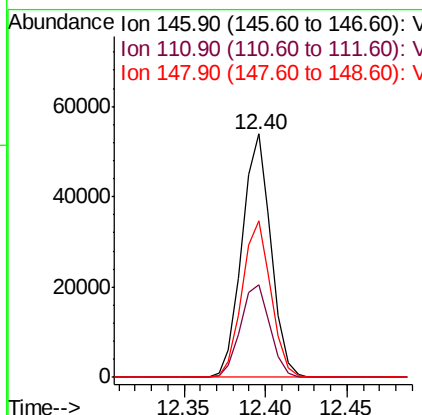
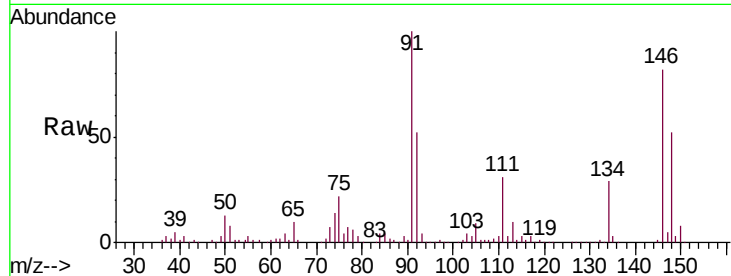
#91
 1,2-Dichlorobenzene
 Concen: 19.94 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX003689.D
 Acq: 27 Jul 2018 00:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0726WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.8	59.4
148	64.0	32.2	96.6

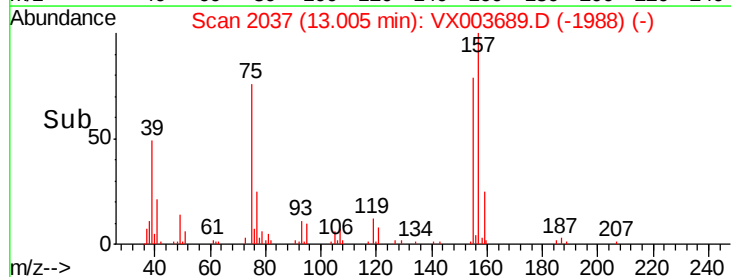
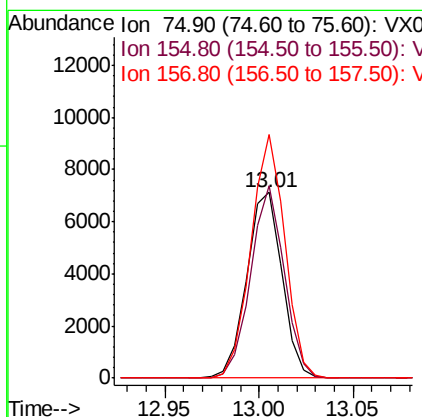
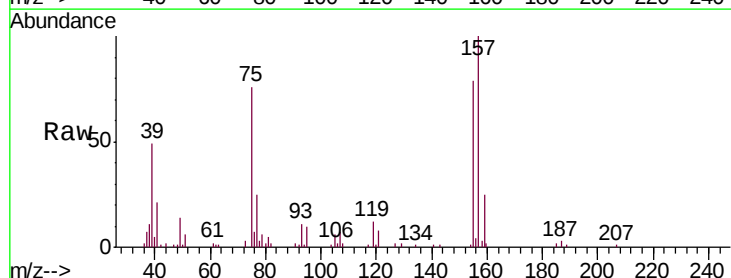
Manual Integrations
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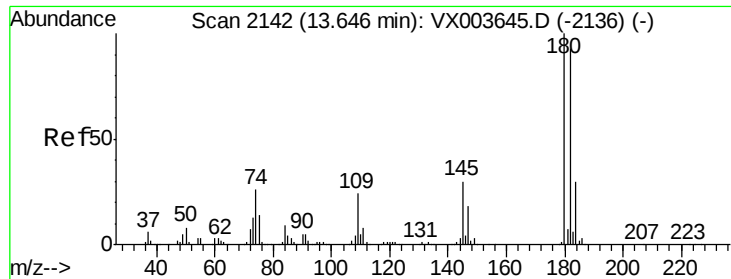
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 7/27/2018 5:40:46 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.66 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX003689.D
 Acq: 27 Jul 2018 00:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.1	46.1	138.3
157	125.5	59.7	179.0





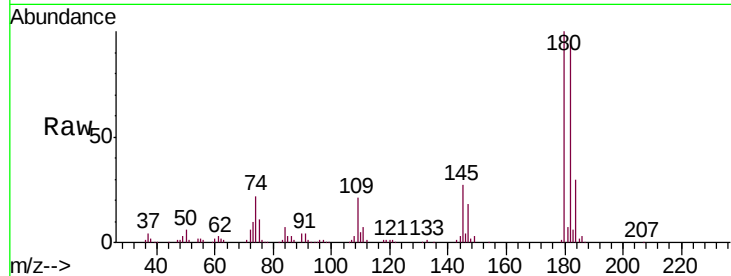
#93
 1,2,4-Trichlorobenzene
 Concen: 19.34 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.01 min
 Lab File: VX003689.D
 Acq: 27 Jul 2018 00:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0726WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	46068		
182	95.9		47.9	143.8
145	28.3		14.4	43.2

Manual Integrations
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 7/27/2018 5:40:46 PM

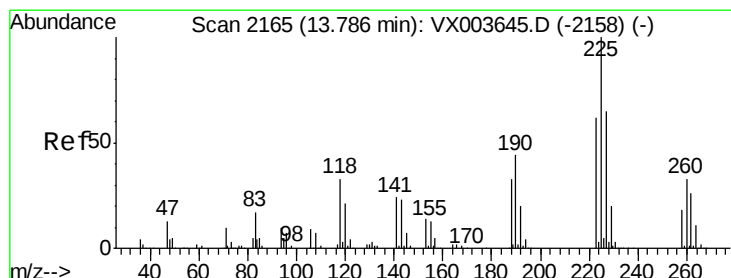
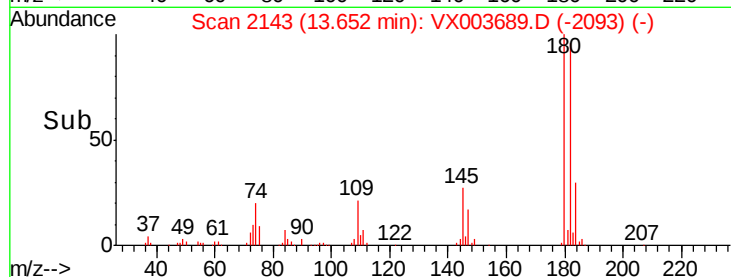
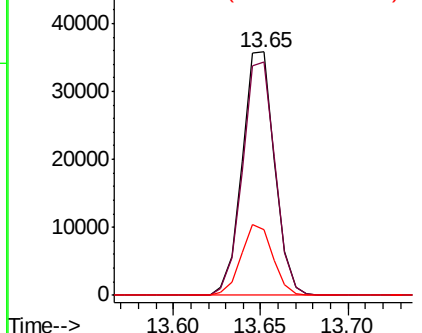


Abundance

Ion 179.80 (179.50 to 180.50): V

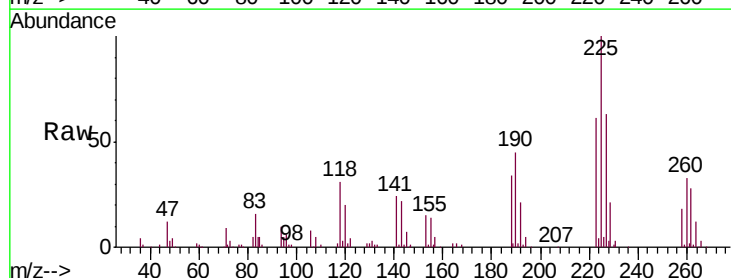
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.37 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX003689.D
 Acq: 27 Jul 2018 00:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	21350		
223	62.5		30.9	92.5
227	63.2		31.9	95.7

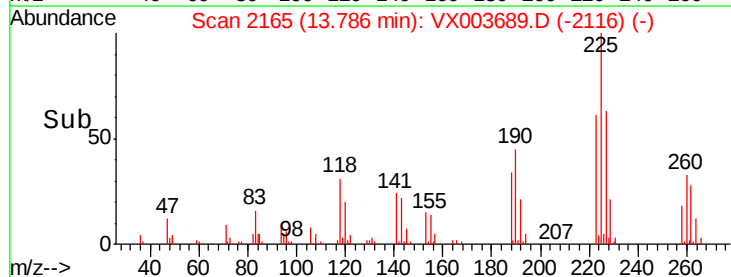
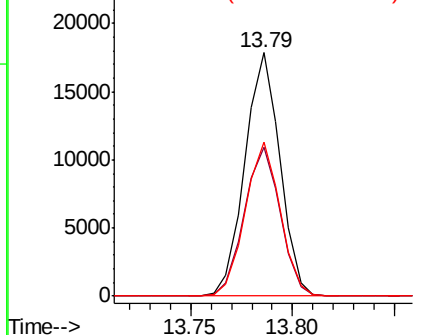


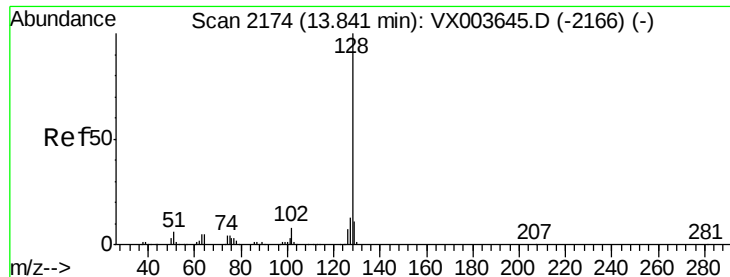
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 19.64 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX003689.D

Acq: 27 Jul 2018 00:40

Instrument :

MSVOA_X

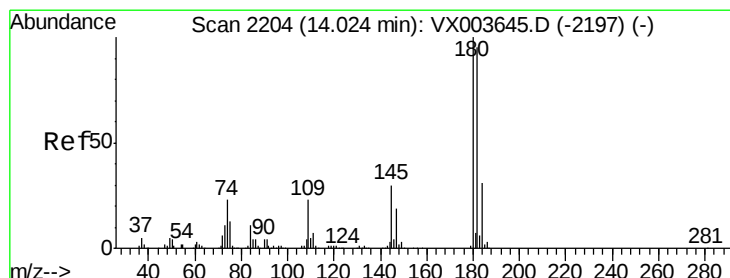
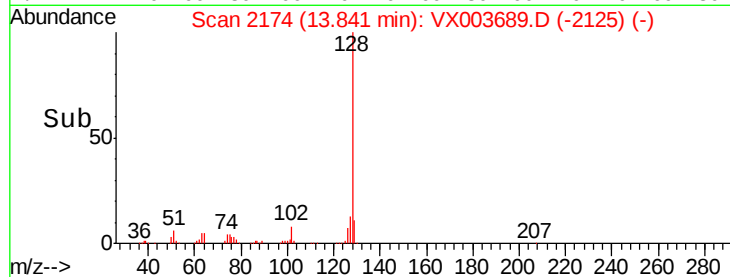
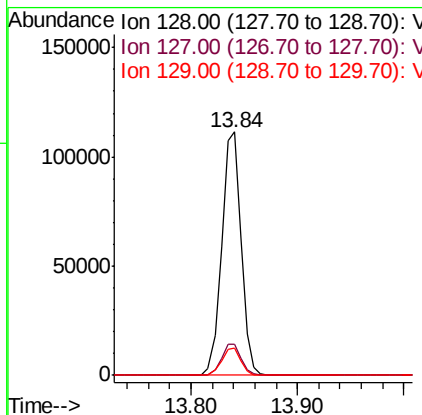
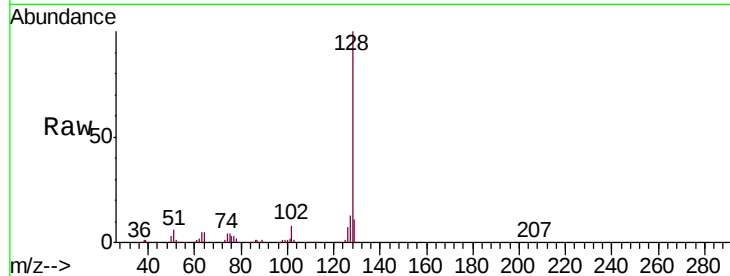
ClientSampleId :

VX0726WBS02

Tot Ion:	128	Resp:	141520
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
7/27/2018 5:40:46 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.80 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX003689.D

Acq: 27 Jul 2018 00:40

Tgt Ion:	180	Resp:	47917
Ion Ratio	Lower	Upper	
180	100		
182	97.0	47.6	142.8
145	30.1	15.0	45.1

