

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082918\
 Data File : VX004304.D
 Acq On : 29 Aug 2018 21:11
 Operator : JC/MD
 Sample : VX0829WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829WBS02

Manual Integrations
 APPROVED

MMDadoda
 8/30/2018 1:38:41 PM

Quant Time: Aug 30 06:43:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	299274	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	434610	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	406316	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	239750	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	193967	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
35) Dibromofluoromethane	5.50	113	167114	51.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.38%	
50) Toluene-d8	8.71	98	619792	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	
62) 4-Bromofluorobenzene	11.14	95	227100	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	68592	19.79	ug/l	99
3) Chloromethane	1.32	50	74505	19.62	ug/l	98
4) Vinyl Chloride	1.40	62	79778	20.34	ug/l	98
5) Bromomethane	1.64	94	41036	20.01	ug/l	99
6) Chloroethane	1.72	64	52874	18.28	ug/l	100
7) Trichlorofluoromethane	1.92	101	107858	20.07	ug/l	96
8) Diethyl Ether	2.18	74	47499	20.64	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	66174	19.66	ug/l	100
10) Methyl Iodide	2.51	142	63949	19.67	ug/l	98
11) Tert butyl alcohol	3.07	59	94268	113.37	ug/l	100
12) 1,1-Dichloroethene	2.37	96	62417	19.69	ug/l	99
13) Acrolein	2.29	56	18220	90.89	ug/l	98
14) Allyl chloride	2.73	41	115766	19.87	ug/l	98
15) Acrylonitrile	3.15	53	213776	103.82	ug/l	100
16) Acetone	2.45	43	179501	108.15	ug/l	98
17) Carbon Disulfide	2.56	76	157771	18.43	ug/l	99
18) Methyl Acetate	2.78	43	146055	25.23	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	215356	20.61	ug/l	99
20) Methylene Chloride	2.86	84	74917	19.95	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	67585	19.26	ug/l	97
22) Diisopropyl ether	3.87	45	219042	20.14	ug/l	97
23) Vinyl Acetate	3.82	43	843742	95.72	ug/l	99
24) 1,1-Dichloroethane	3.69	63	132097	20.84	ug/l	99
25) 2-Butanone	4.71	43	276837	104.26	ug/l	99
26) 2,2-Dichloropropane	4.58	77	71265	14.34	ug/l	96
27) cis-1,2-Dichloroethene	4.59	96	78200	19.65	ug/l	96
28) Bromochloromethane	5.01	49	58960	21.01	ug/l	98
29) Tetrahydrofuran	5.16	42	176746	105.46	ug/l	100
30) Chloroform	5.21	83	130673	20.56	ug/l	97
31) Cyclohexane	5.57	56	103639	18.95	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	106810	20.16	ug/l	99
36) 1,1-Dichloropropene	5.80	75	93337	19.10	ug/l	98
37) Ethyl Acetate	4.86	43	98932	20.59	ug/l	99
38) Carbon Tetrachloride	5.78	117	92312	20.08	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	98946	17.74	ug/l	99
40) Benzene	6.14	78	295596	20.25	ug/l	99
41) Methacrylonitrile	5.06	41	56405	20.25	ug/l	98
42) 1,2-Dichloroethane	6.20	62	101940	20.47	ug/l	100
43) Isopropyl Acetate	6.47	43	147953	20.04	ug/l	99
44) Trichloroethene	7.21	130	78259	19.36	ug/l	99
45) 1,2-Dichloropropane	7.52	63	76397	20.91	ug/l	99
46) Dibromomethane	7.67	93	49141	20.20	ug/l	99
47) Bromodichloromethane	7.90	83	92975	20.54	ug/l	100
48) Methyl methacrylate	7.78	41	79493	20.12	ug/l	99
49) 1,4-Dioxane	7.76	88	37214	414.85	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	537158	100.12	ug/l	100
52) Toluene	8.79	92	186003	20.35	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	93328	18.66	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	105985	19.46	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	77376	20.97	ug/l	97
56) Ethyl methacrylate	9.18	69	100003	19.91	ug/l	99
57) 1,3-Dichloropropane	9.37	76	127902	20.57	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	277474	107.83	ug/l	99
59) 2-Hexanone	9.50	43	408784	99.88	ug/l	99
60) Dibromochloromethane	9.59	129	73168	20.36	ug/l	98
61) 1,2-Dibromoethane	9.67	107	76075	19.93	ug/l	99
64) Tetrachloroethene	9.34	164	81512	20.31	ug/l	99
65) Chlorobenzene	10.14	112	198143	19.43	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	70552	20.06	ug/l	97
67) Ethyl Benzene	10.26	91	315912	19.08	ug/l	99
68) m/p-Xylenes	10.36	106	267362	41.29	ug/l	99
69) o-Xylene	10.70	106	127249	20.77	ug/l	99
70) Styrene	10.71	104	211269	21.30	ug/l	99
71) Bromoform	10.86	173	54915	19.37	ug/l #	98
73) Isopropylbenzene	11.02	105	345267	21.93	ug/l	100
74) N-amyl acetate	10.90	43	122767	20.25	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	118387	21.48	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	104742m	21.48	ug/l	
77) Bromobenzene	11.26	156	94314	21.35	ug/l	99
78) n-propylbenzene	11.36	91	389937	21.53	ug/l	100
79) 2-Chlorotoluene	11.42	91	237134	21.27	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	285925	21.93	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	27189	18.09	ug/l	95
82) 4-Chlorotoluene	11.51	91	272044	20.74	ug/l	98
83) tert-Butylbenzene	11.77	119	278171	21.20	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	294754	22.02	ug/l	99
85) sec-Butylbenzene	11.95	105	329118	21.13	ug/l	100
86) p-Isopropyltoluene	12.07	119	286836	20.55	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	170110	20.45	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	171095	19.51	ug/l	99
89) n-Butylbenzene	12.39	91	218664	19.26	ug/l	100
90) Hexachloroethane	12.60	117	40878	20.95	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	157363	20.70	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	19639	20.23	ug/l	98

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ClientSampleId :
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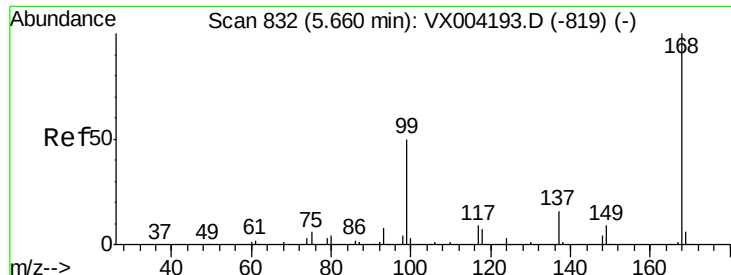
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	106644	19.28	ug/l	97
94) Hexachlorobutadiene	13.79	225	52232	20.22	ug/l	97
95) Naphthalene	13.83	128	347018	22.19	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	123203	21.04	ug/l	98

(#) = 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. 0.00 min

Lab File: VX004304.D

Acq: 29 Aug 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

VX0829WBS02

Tot Ion:168 Resp: 299274

Ion Ratio Lower Upper

168 100

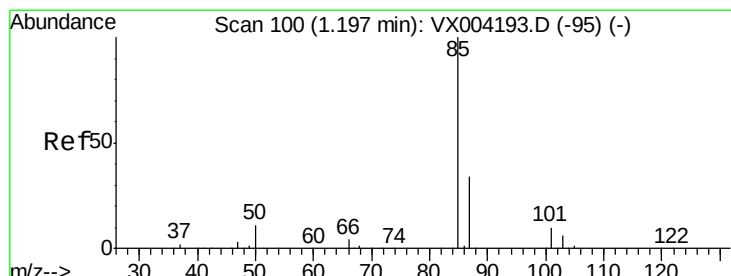
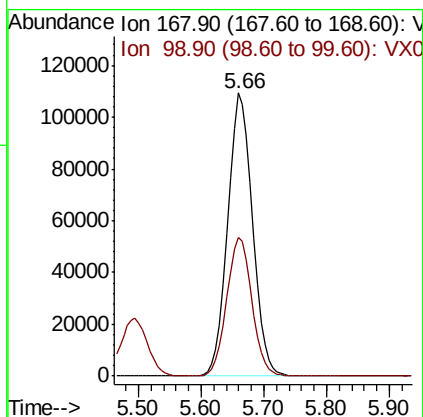
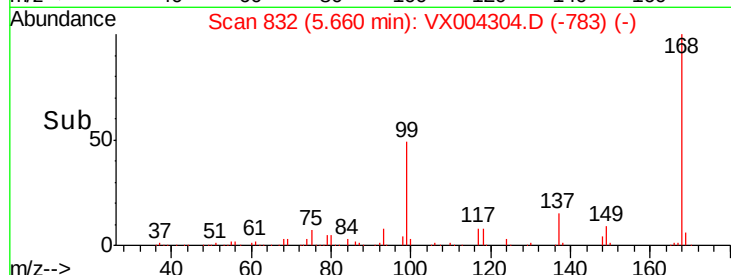
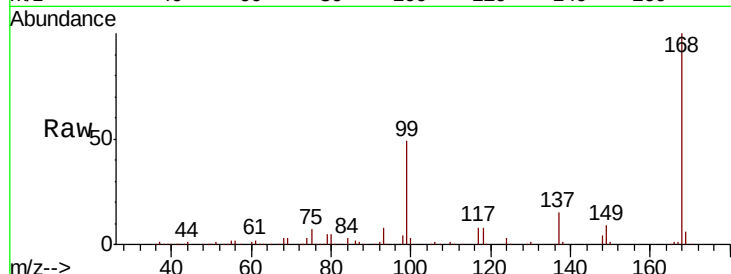
99 48.9 39.9 59.9

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 19.79 ug/l

RT: 1.19 min Scan# 99

Delta R.T. -0.01 min

Lab File: VX004304.D

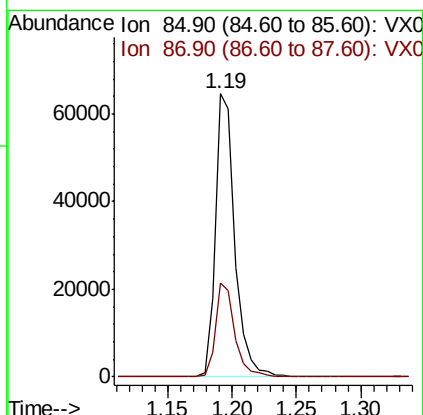
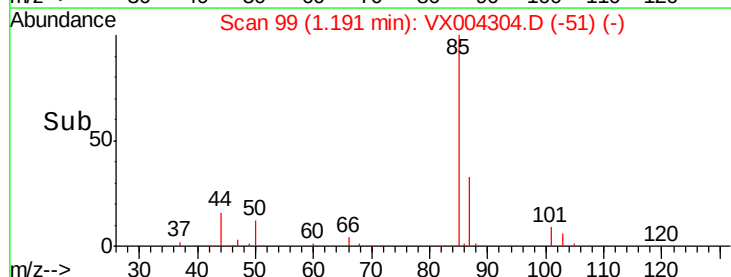
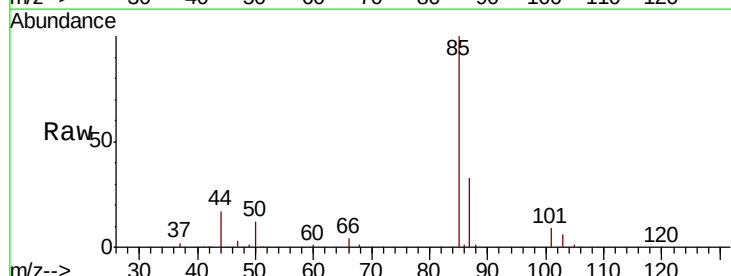
Acq: 29 Aug 2018 21:11

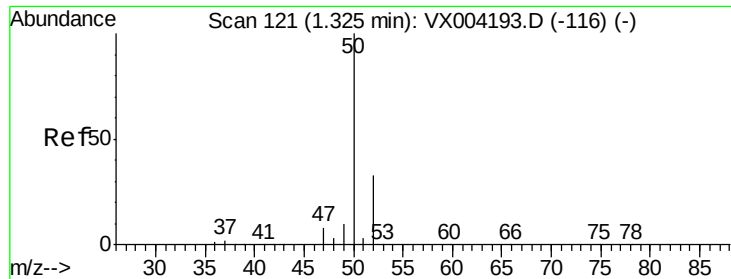
Tgt Ion: 85 Resp: 68592

Ion Ratio Lower Upper

85 100

87 33.1 17.0 50.9





#3

Chloromethane

Concen: 19.62 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX004304.D

Acq: 29 Aug 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

VX0829WBS02

Tot Ion: 50 Resp: 74505

Ion Ratio Lower Upper

50 100

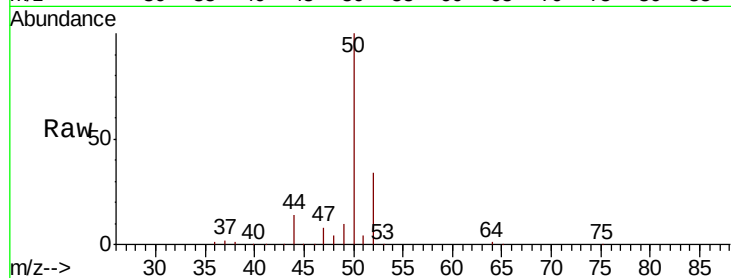
52 33.8 26.2 39.2

Manual Integrations

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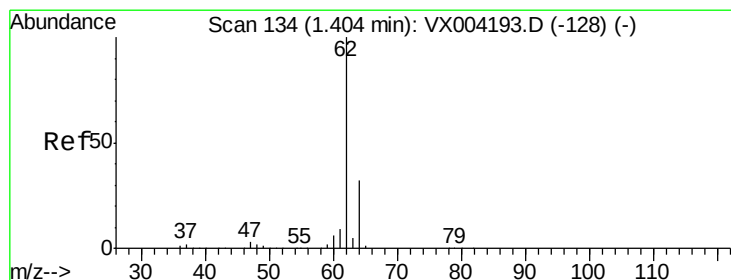
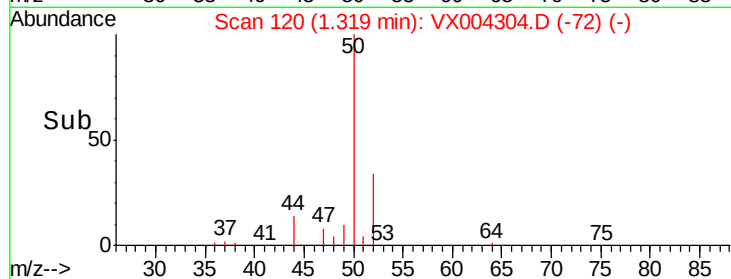
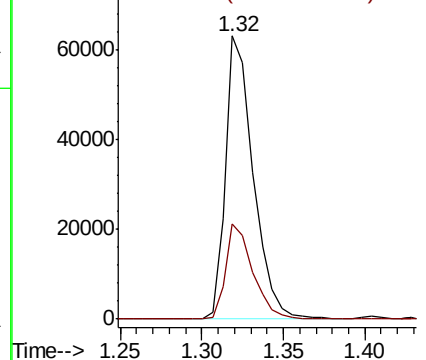
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 20.34 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX004304.D

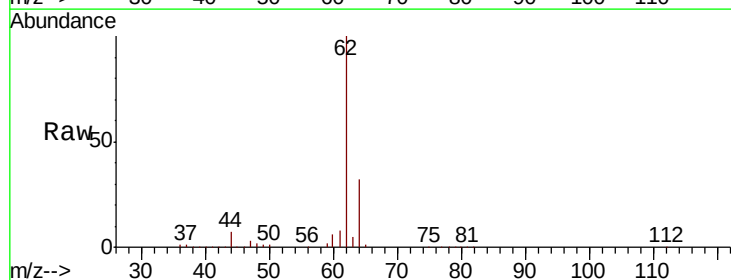
Acq: 29 Aug 2018 21:11

Tgt Ion: 62 Resp: 79778

Ion Ratio Lower Upper

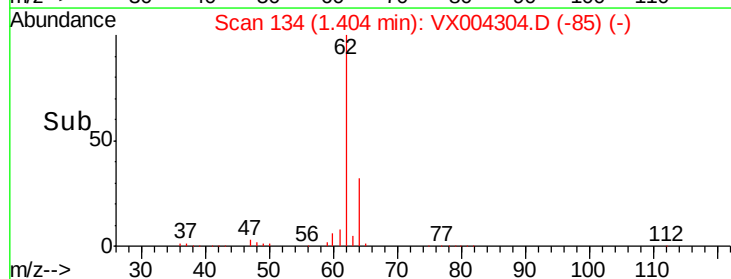
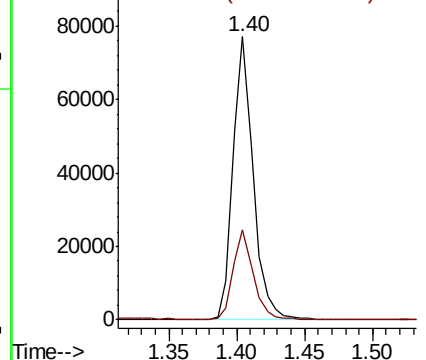
62 100

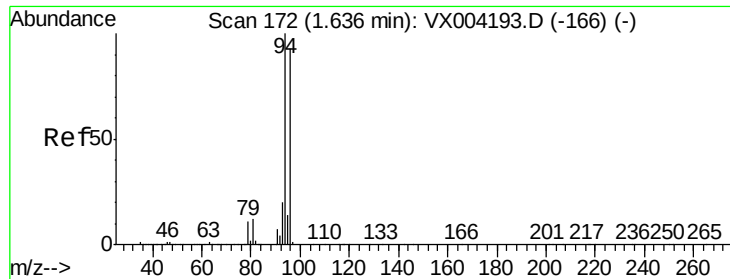
64 31.4 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 20.01 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004304.D

Acq: 29 Aug 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

VX0829WBS02

Tot Ion: 94 Resp: 41036

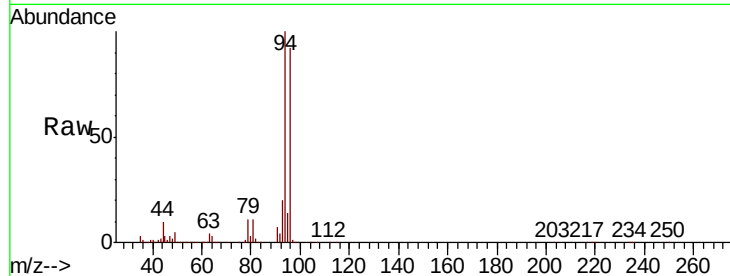
Ion Ratio Lower Upper

94 100

96 92.2 74.5 111.7

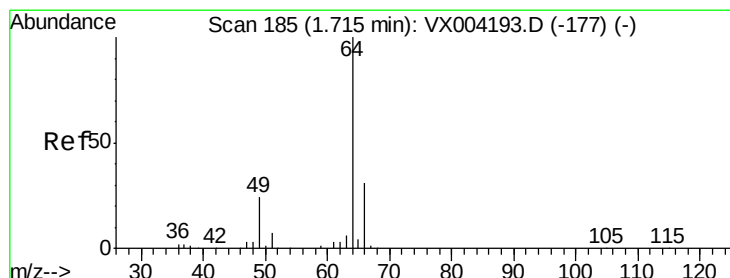
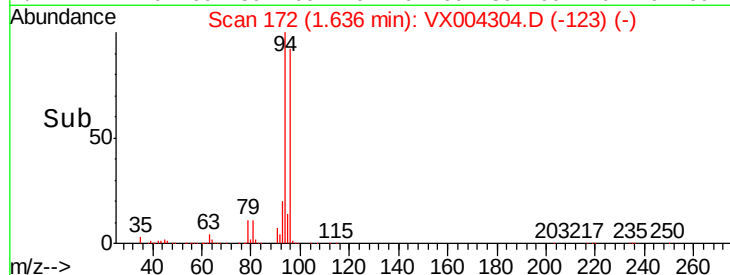
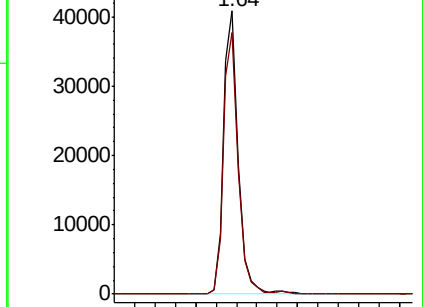
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 18.28 ug/l

RT: 1.72 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX004304.D

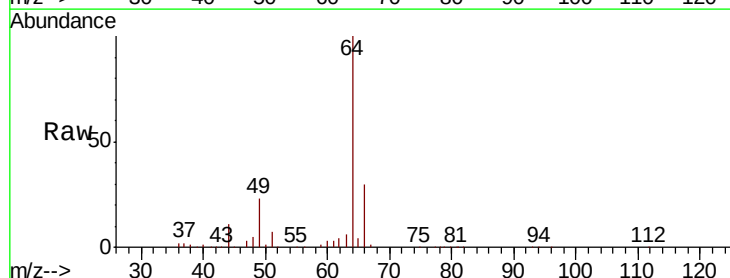
Acq: 29 Aug 2018 21:11

Tgt Ion: 64 Resp: 52874

Ion Ratio Lower Upper

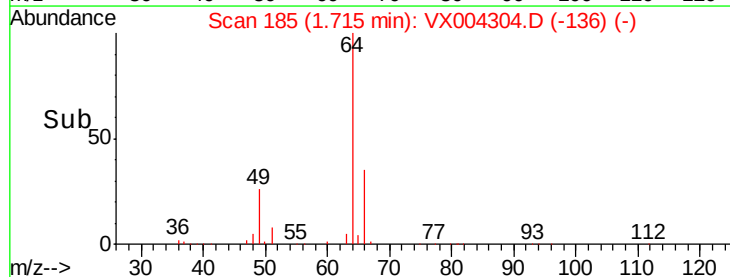
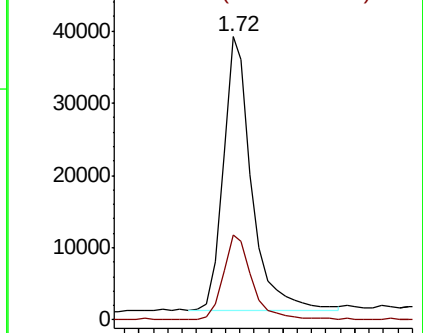
64 100

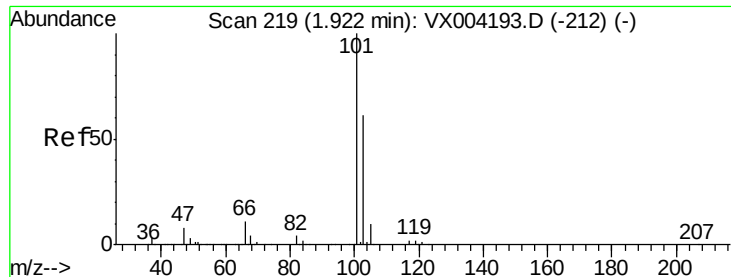
66 30.6 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

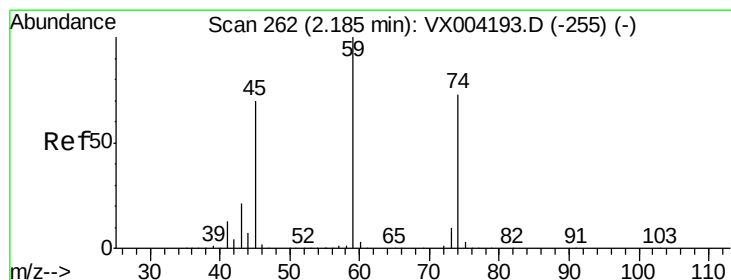
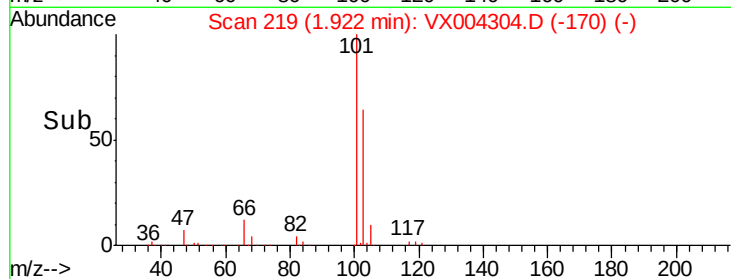
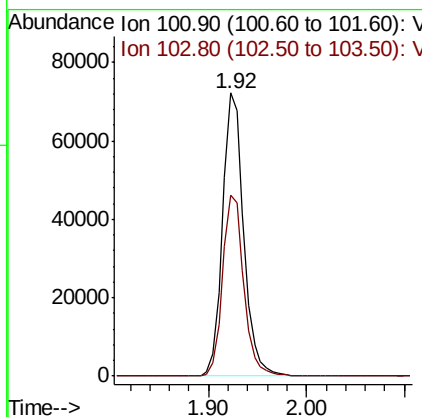
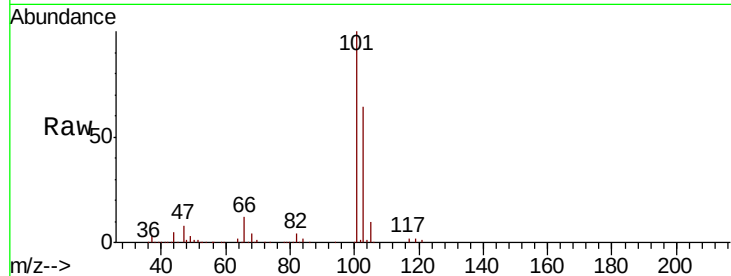
Trichlorofluoromethane
Concen: 20.07 ug/l
RT: 1.92 min Scan# 219
Delta R.T. 0.00 min
Lab File: VX004304.D
Acq: 29 Aug 2018 21:11

Instrument :
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VX0829WBS02

Tot Ion	Ratio	Resp	Lower	Upper
101	100	107858		
103	63.8	48.9	73.3	

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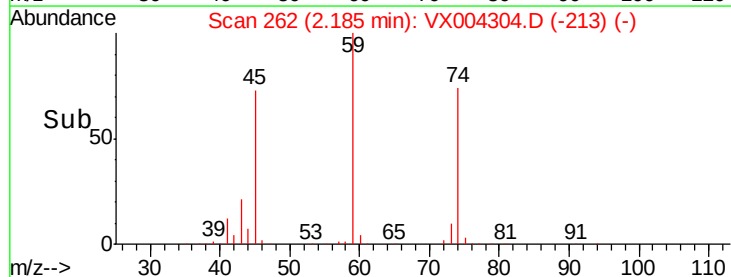
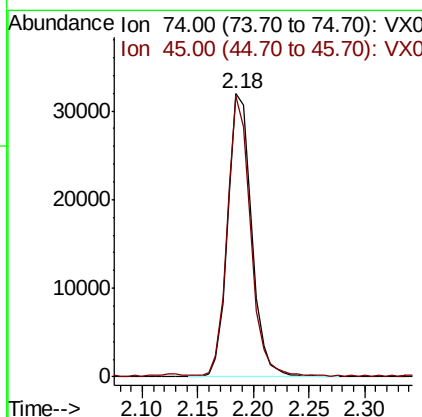
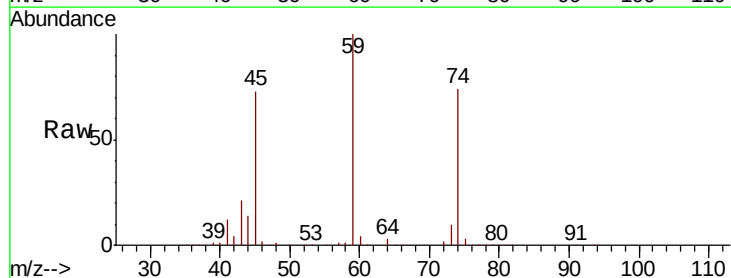
MMDadoda
8/30/2018 1:38:41 PM

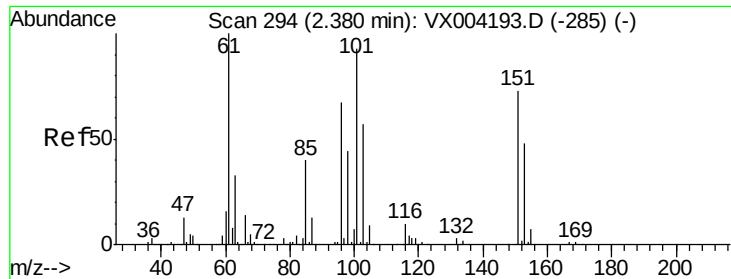


#8

Diethyl Ether
Concen: 20.64 ug/l
RT: 2.18 min Scan# 262
Delta R.T. 0.00 min
Lab File: VX004304.D
Acq: 29 Aug 2018 21:11

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	47499		
45	95.2	48.3	144.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.66 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX004304.D

Acq: 29 Aug 2018 21:11

Instrument :

MSVOA_X

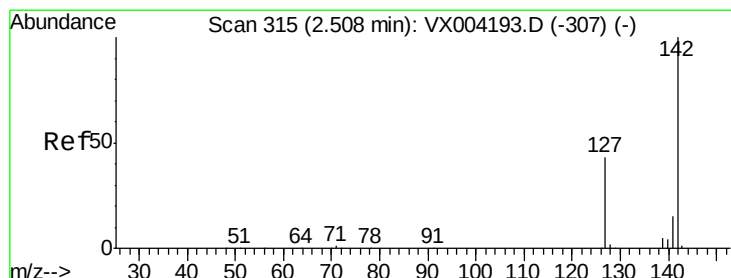
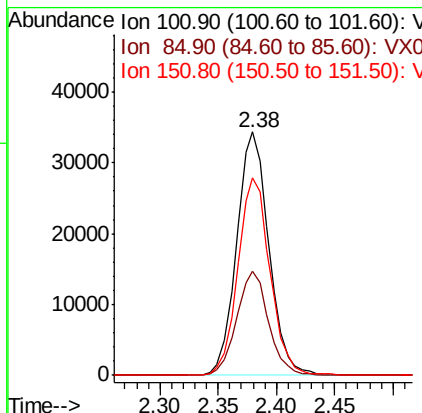
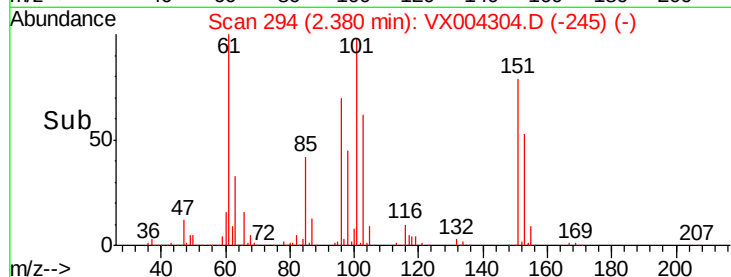
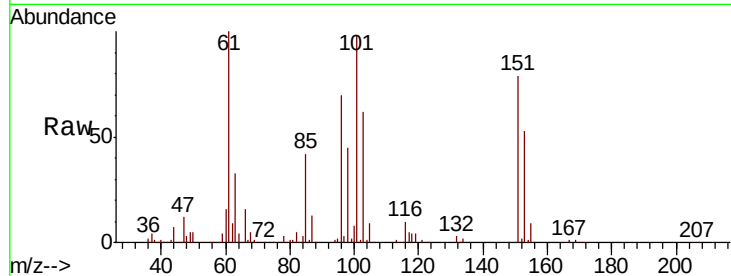
ClientSampleId :

VX0829WBS02

Tot Ion:	101	Resp:	66174
Ion Ratio	Lower	Upper	
101	100		
85	42.3	34.2	51.4
151	81.1	65.0	97.6

Manual Integrations
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#10

Methyl Iodide

Concen: 19.67 ug/l

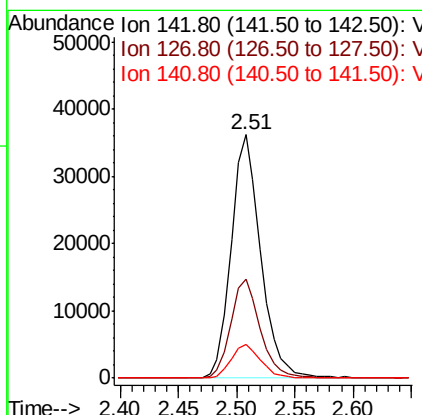
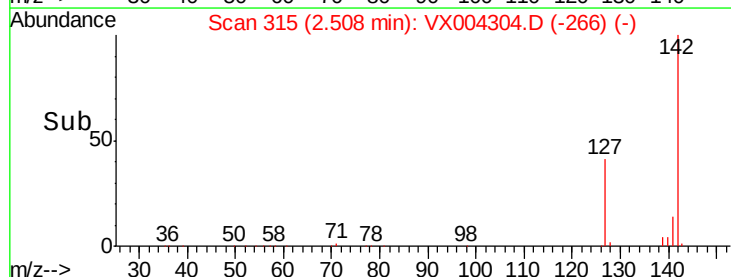
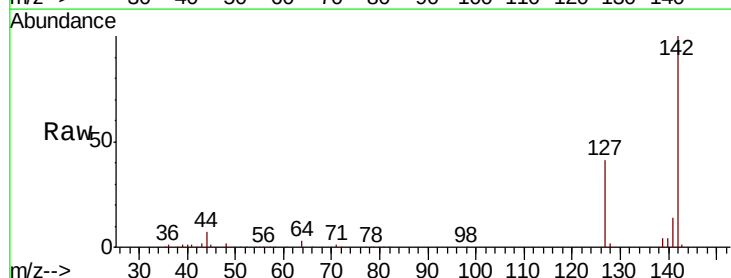
RT: 2.51 min Scan# 315

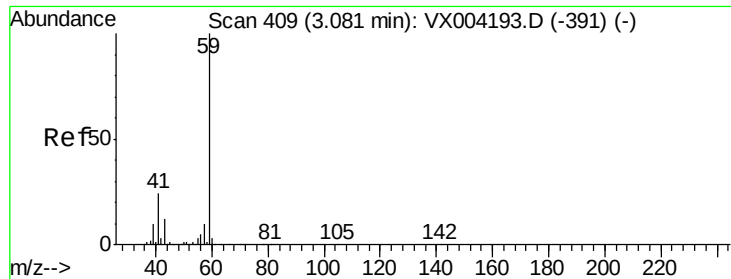
Delta R.T. 0.00 min

Lab File: VX004304.D

Acq: 29 Aug 2018 21:11

Tgt Ion:	142	Resp:	63949
Ion Ratio	Lower	Upper	
142	100		
127	40.8	33.8	50.6
141	13.9	11.4	17.0





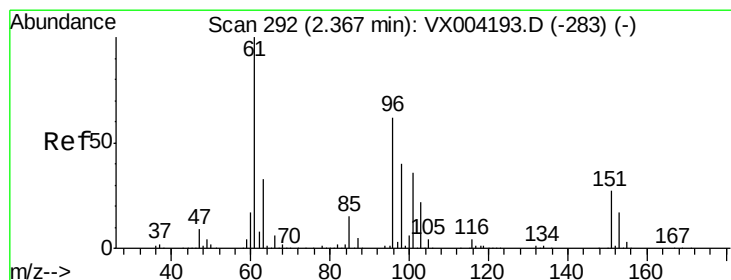
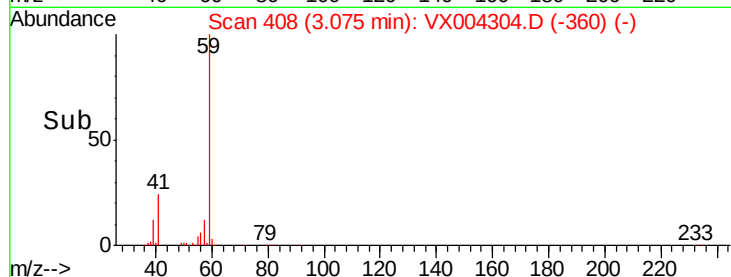
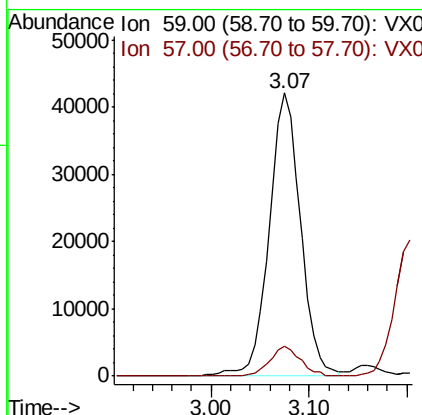
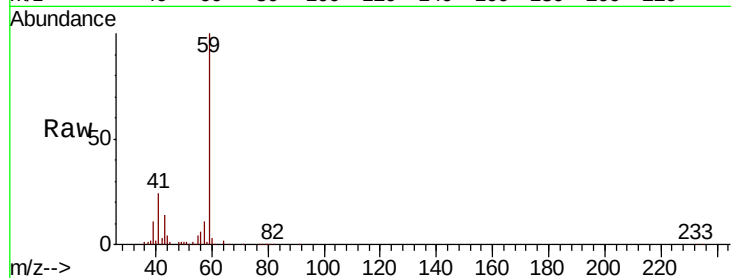
#11
Tert butyl alcohol
Concen: 113.37 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX004304.D
Acq: 29 Aug 2018 21:11

Instrument :
MSVOA_X
ClientSampleId :
VX0829WBS02

Tot Ion	59	Resp	94268
Ion Ratio	100	Lower	Upper
57	10.4	8.2	12.4

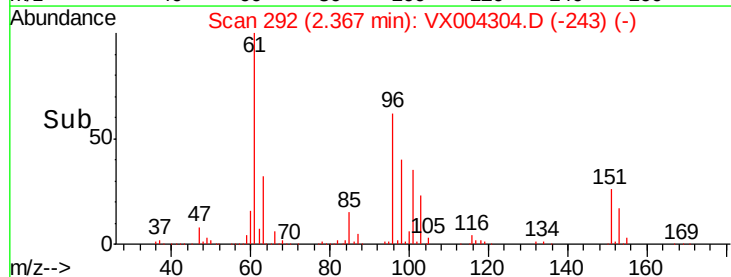
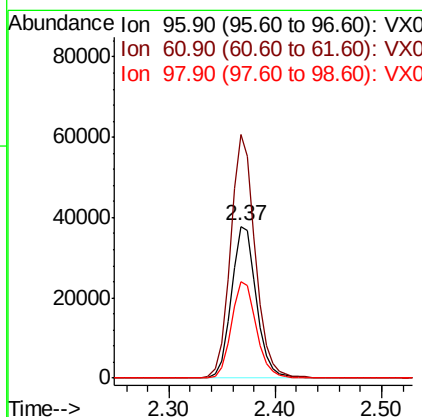
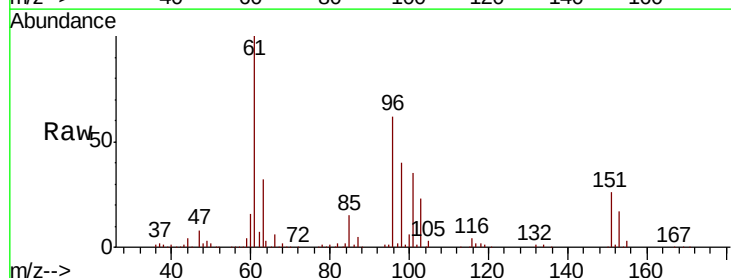
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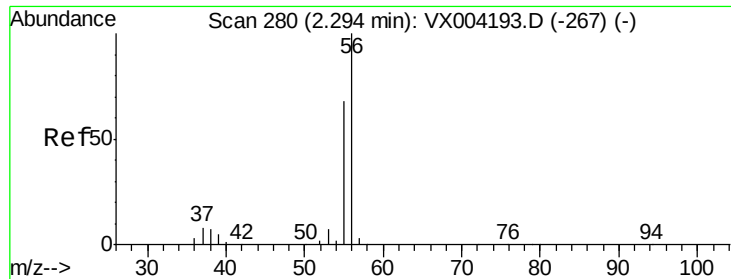
MMDadoda
8/30/2018 1:38:41 PM



#12
1,1-Dichloroethene
Concen: 19.69 ug/l
RT: 2.37 min Scan# 292
Delta R.T. 0.00 min
Lab File: VX004304.D
Acq: 29 Aug 2018 21:11

Tgt Ion	96	Resp	62417
Ion Ratio	100	Lower	Upper
61	160.1	128.8	193.2
98	63.4	52.2	78.2





#13

Acrolein

Concen: 90.89 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX004304.D

Acq: 29 Aug 2018 21:11

Instrument :

MSVOA_X

ClientSampled :

VX0829WBS02

Tot Ion: 56 Resp: 18220

Ion Ratio Lower Upper

56 100

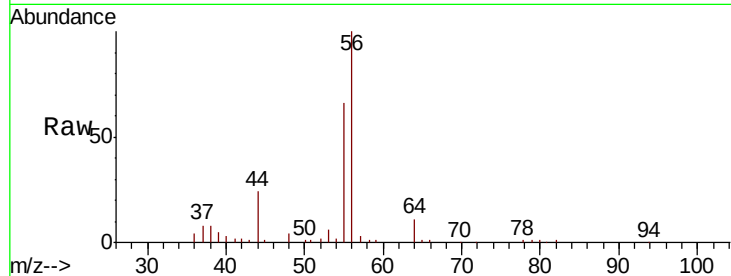
55 70.4 54.7 82.1

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

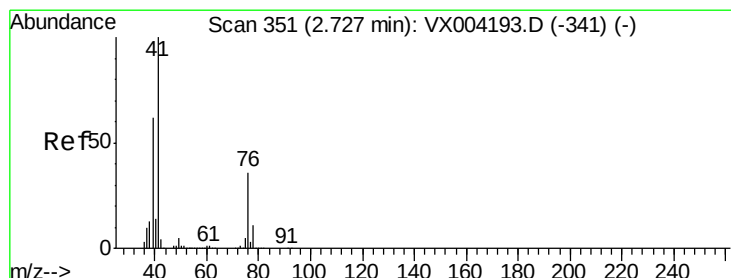
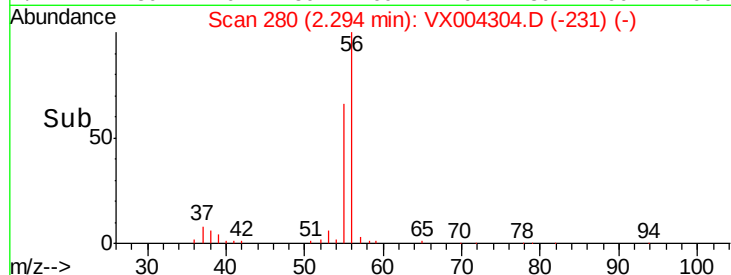
2.29

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 19.87 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX004304.D

Acq: 29 Aug 2018 21:11

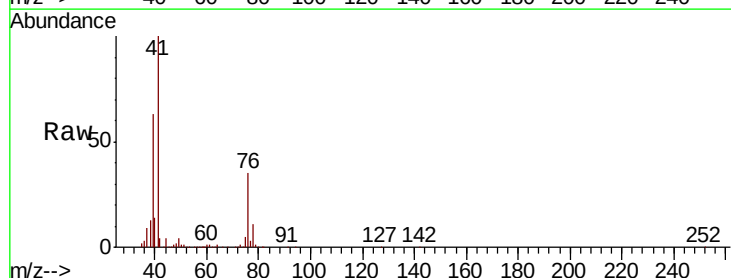
Tgt Ion: 41 Resp: 115766

Ion Ratio Lower Upper

41 100

39 59.2 48.9 73.3

76 32.6 26.7 40.1



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

80000

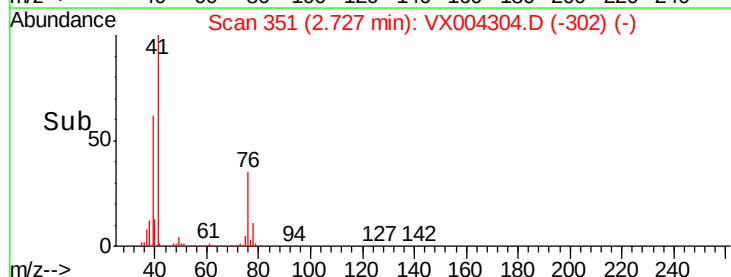
60000

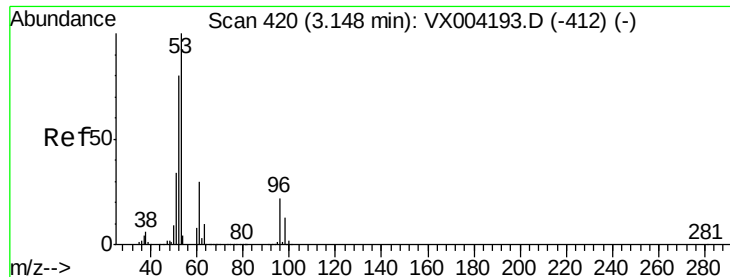
40000

20000

0

Time-->





#15

Acrylonitrile

Concen: 103.82 ug/l

RT: 3.15 min Scan# 420

Delta R.T. 0.00 min

Lab File: VX004304.D

Acq: 29 Aug 2018 21:11

Instrument :

MSVOA_X

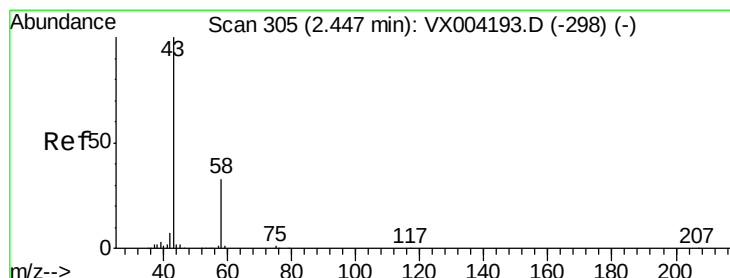
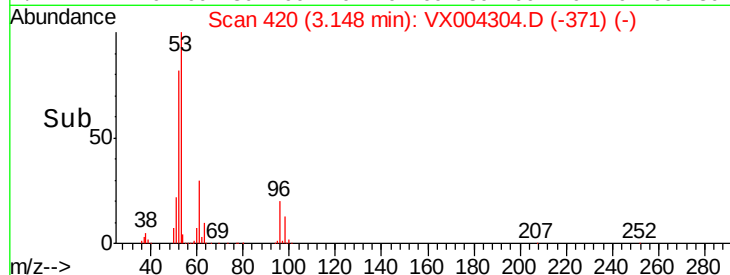
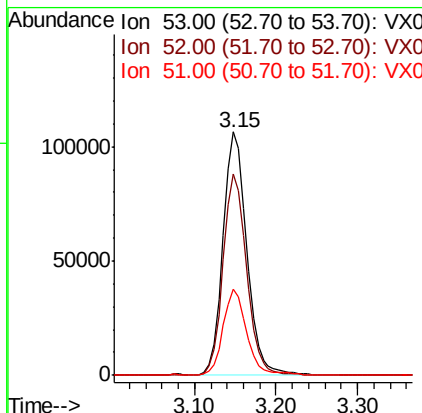
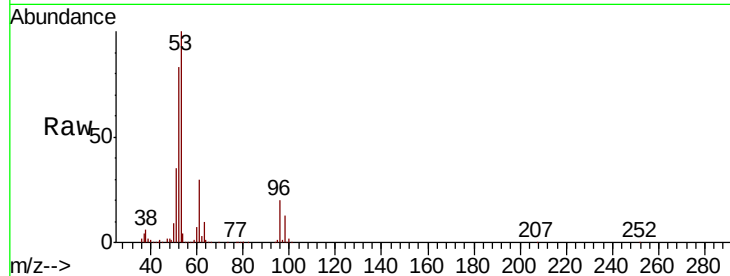
ClientSampleId :

VX0829WBS02

Tot Ion:	53	Resp:	213776
Ion Ratio	Lower	Upper	
53	100		
52	81.9	65.2	97.8
51	35.1	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 108.15 ug/l

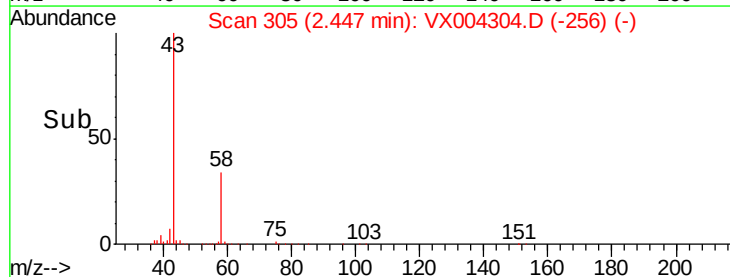
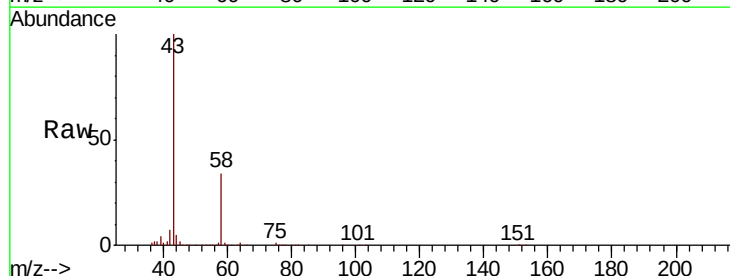
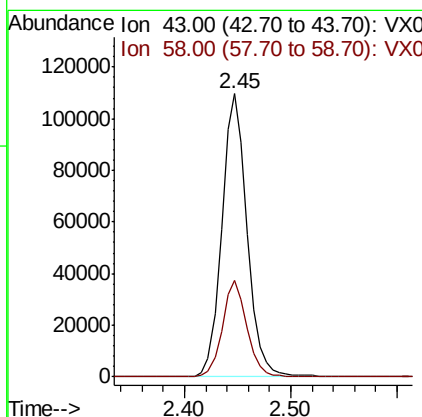
RT: 2.45 min Scan# 305

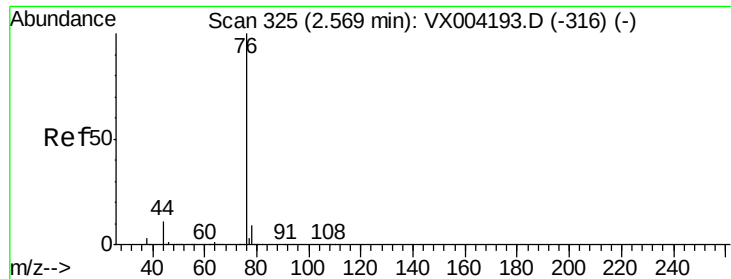
Delta R.T. 0.00 min

Lab File: VX004304.D

Acq: 29 Aug 2018 21:11

Tgt Ion:	43	Resp:	179501
Ion Ratio	Lower	Upper	
43	100		
58	33.9	26.2	39.4





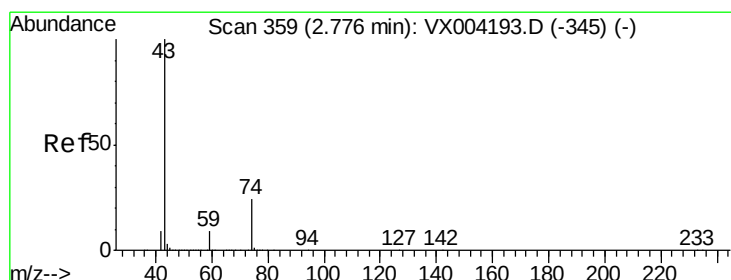
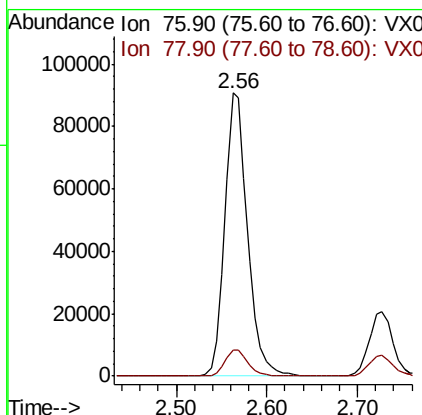
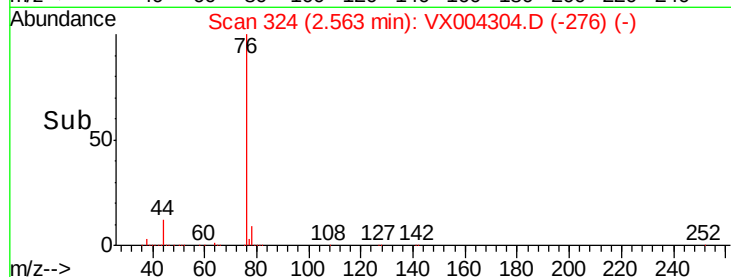
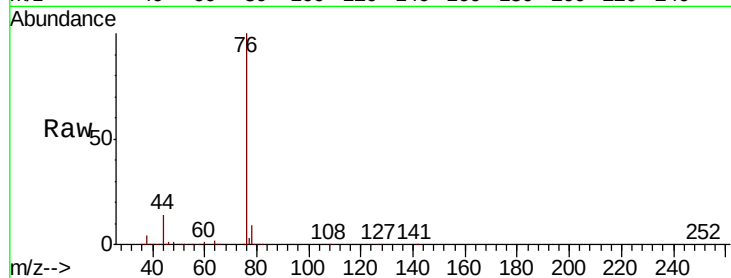
#17
Carbon Disulfide
Concen: 18.43 ug/l
RT: 2.56 min Scan# 324
Delta R.T. -0.01 min
Lab File: VX004304.D
Acq: 29 Aug 2018 21:11

Instrument :
MSVOA_X
ClientSampleId :
VX0829WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.0	10.6

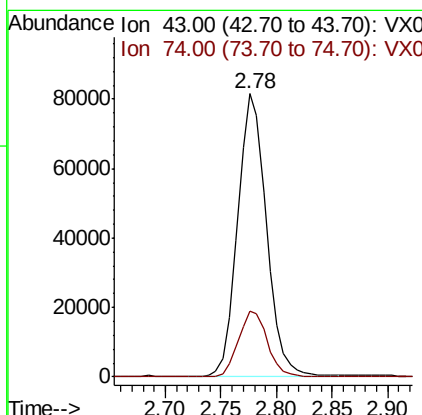
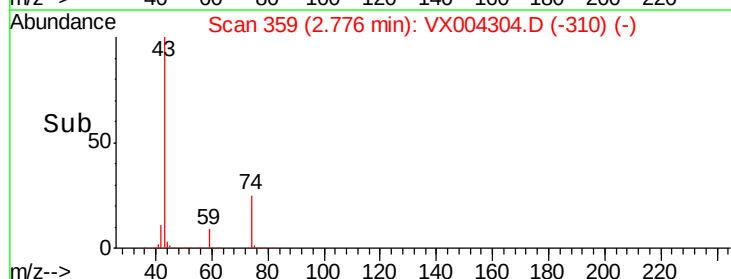
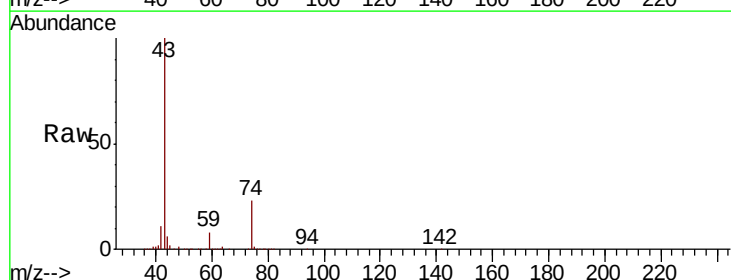
Manual Integrations
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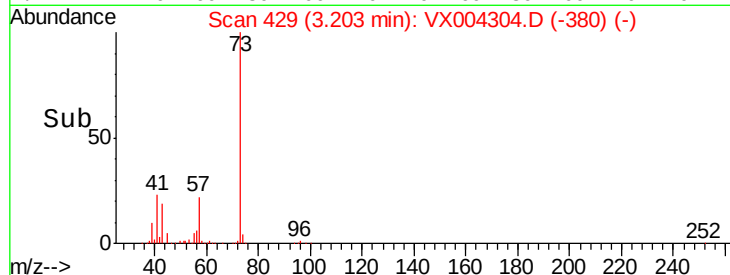
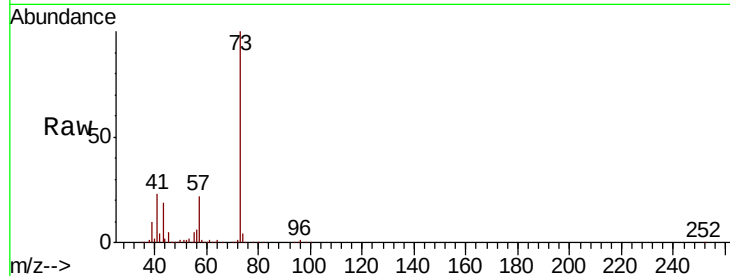
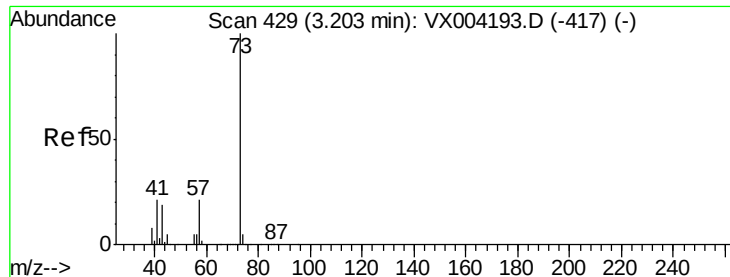
MMDadoda
8/30/2018 1:38:41 PM



#18
Methyl Acetate
Concen: 25.23 ug/l
RT: 2.78 min Scan# 359
Delta R.T. 0.00 min
Lab File: VX004304.D
Acq: 29 Aug 2018 21:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	19.4	29.2





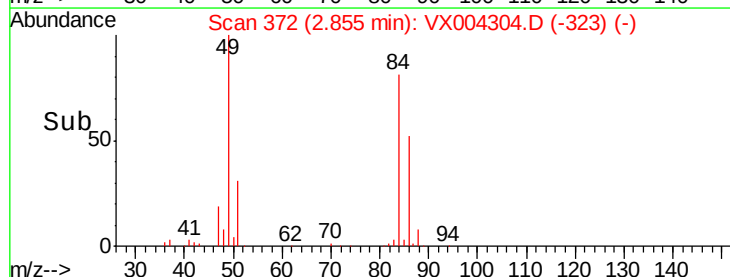
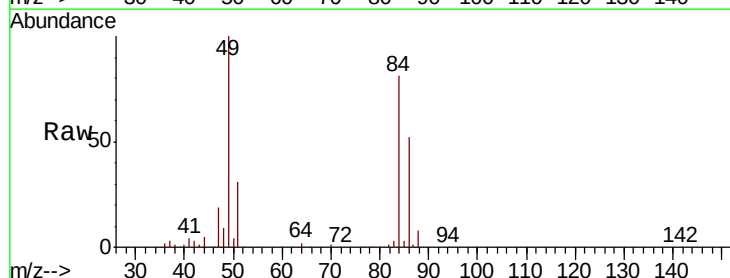
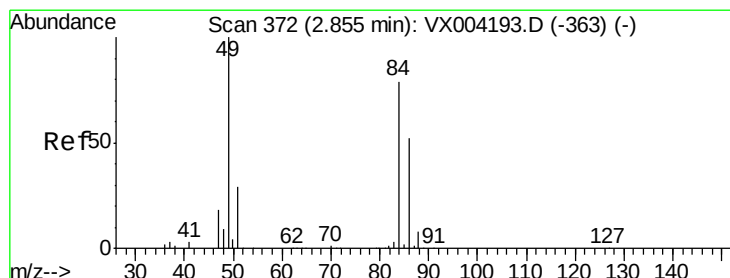
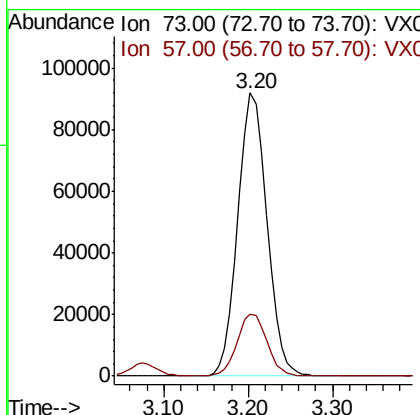
#19
Methyl tert-butyl Ether
Concen: 20.61 ug/l
RT: 3.20 min Scan# 429
Delta R.T. 0.00 min
Lab File: VX004304.D
Acq: 29 Aug 2018 21:11

Tot Ion	73	57	Ratio	100	21.9	Resp	215356	Lower	17.1	Upper	25.7
Ion	73	57	Ratio	100	21.9	Resp	215356	Lower	17.1	Upper	25.7

Instrument :
MSVOA_X
ClientSampleId :
VX0829WBS02

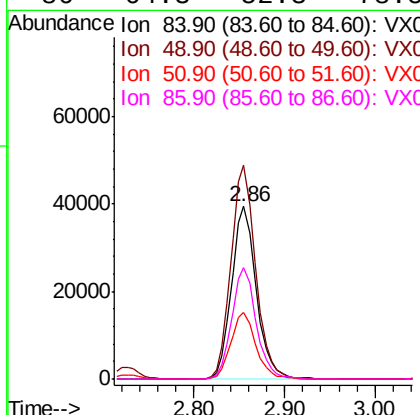
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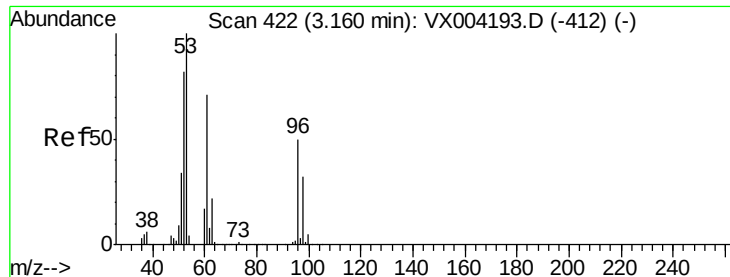
MMDadoda
8/30/2018 1:38:41 PM



#20
Methylene Chloride
Concen: 19.95 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX004304.D
Acq: 29 Aug 2018 21:11

Tgt Ion	84	49	51	86	Ratio	100	123.9	38.4	64.3	Resp	74917	Lower	101.2	29.5	52.3	Upper	151.8	44.3	78.5
Ion	84	49	51	86	Ratio	100	123.9	38.4	64.3	Resp	74917	Lower	101.2	29.5	52.3	Upper	151.8	44.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 19.26 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX004304.D

Acq: 29 Aug 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

VX0829WBS02

Tot Ion: 96 Resp: 67585

Ion Ratio Lower Upper

96 100

61 137.6 113.8 170.6

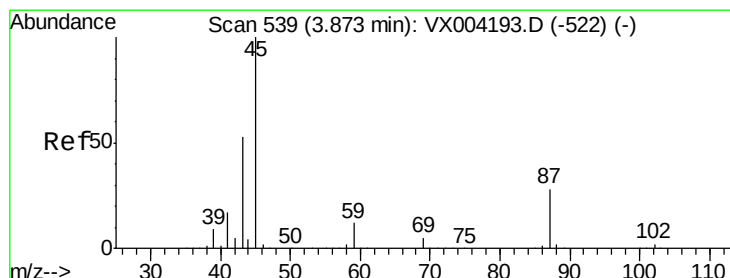
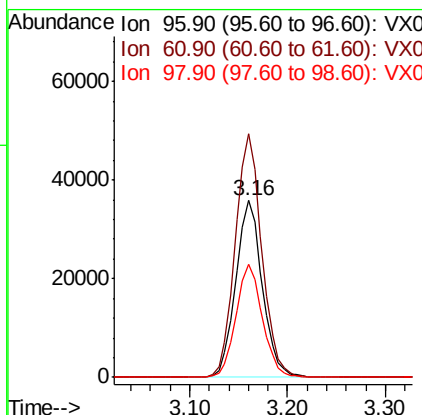
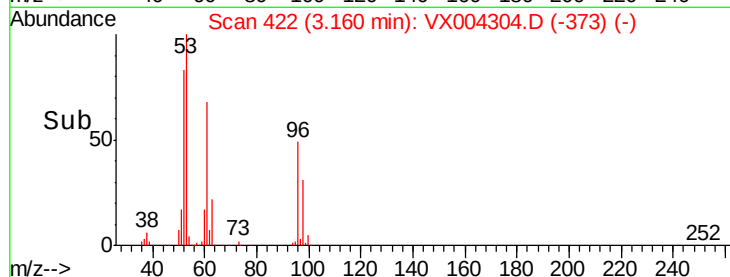
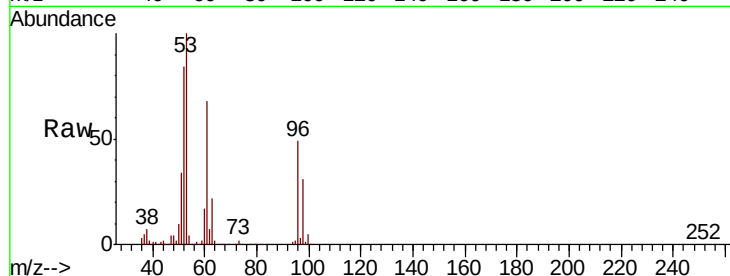
98 63.8 51.8 77.8

Manual Integrations

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#22

Diisopropyl ether

Concen: 20.14 ug/l

RT: 3.87 min Scan# 539

Delta R.T. 0.00 min

Lab File: VX004304.D

Acq: 29 Aug 2018 21:11

Tgt Ion: 45 Resp: 219042

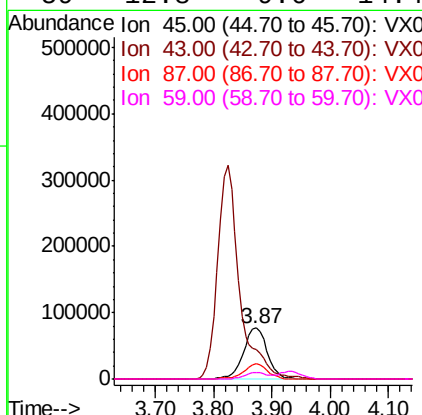
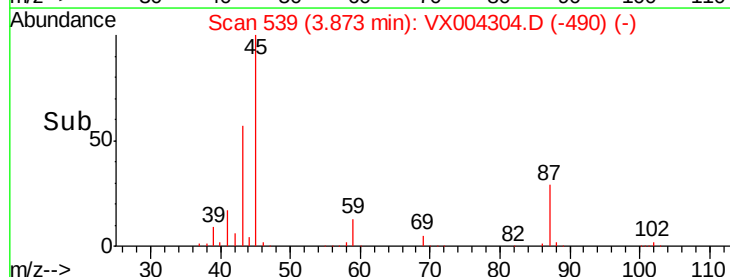
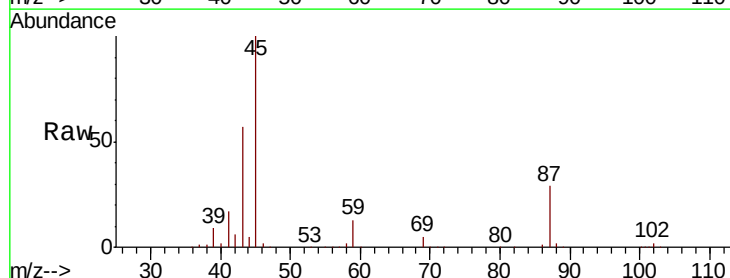
Ion Ratio Lower Upper

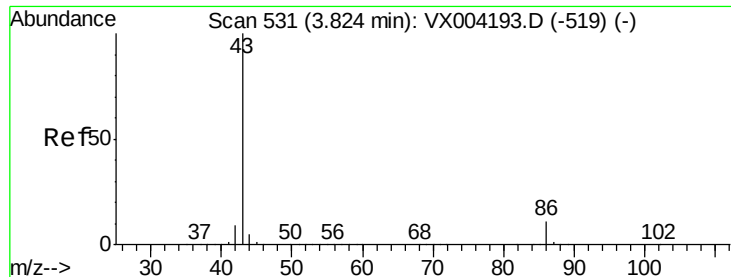
45 100

43 56.8 42.8 64.2

87 29.3 22.6 34.0

59 12.8 9.6 14.4





#23

Vinyl Acetate

Concen: 95.72 ug/l

RT: 3.82 min Scan# 531

Delta R.T. 0.00 min

Lab File: VX004304.D

Acq: 29 Aug 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

VX0829WBS02

Tot Ion: 43 Resp: 843742

Ion Ratio Lower Upper

43 100

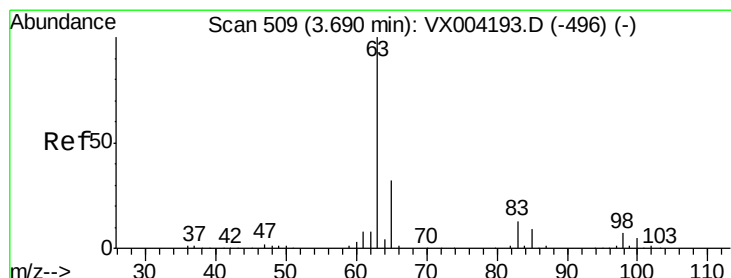
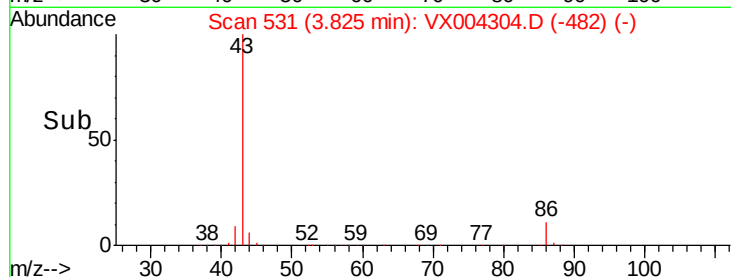
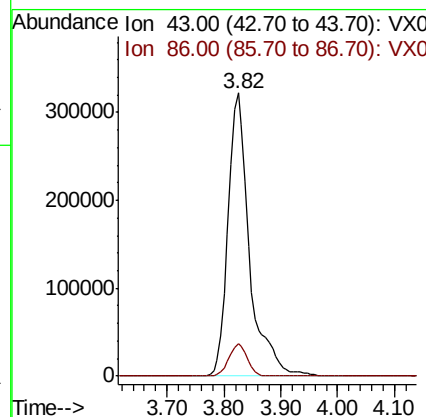
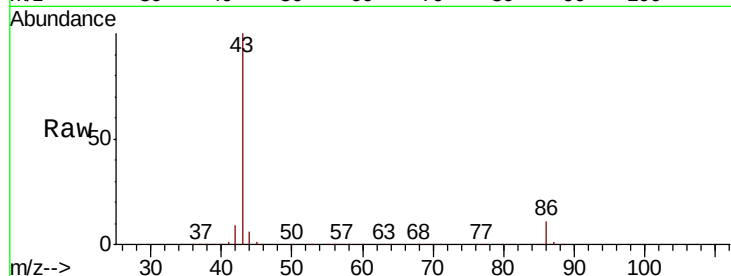
86 11.4 8.9 13.3

Manual Integrations

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MMDadoda

8/30/2018 1:38:41 PM



#24

1,1-Dichloroethane

Concen: 20.84 ug/l

RT: 3.69 min Scan# 509

Delta R.T. 0.00 min

Lab File: VX004304.D

Acq: 29 Aug 2018 21:11

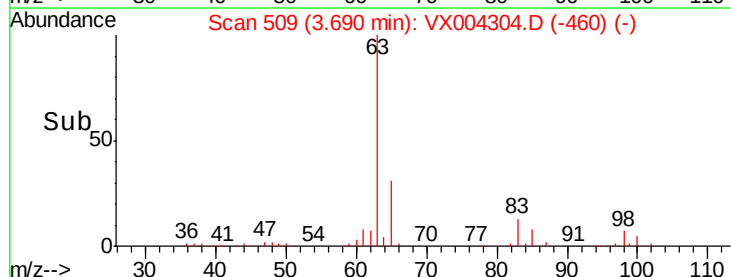
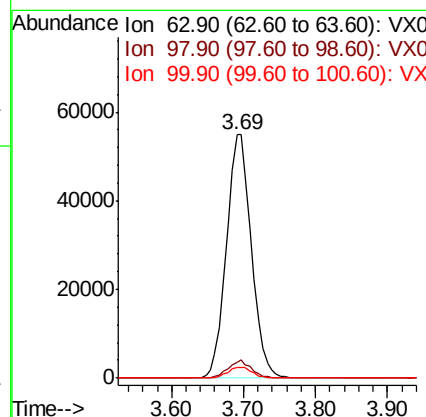
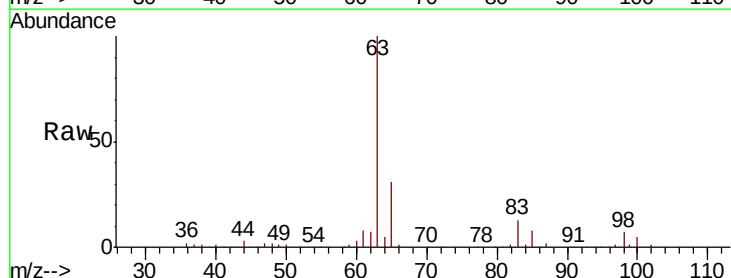
Tgt Ion: 63 Resp: 132097

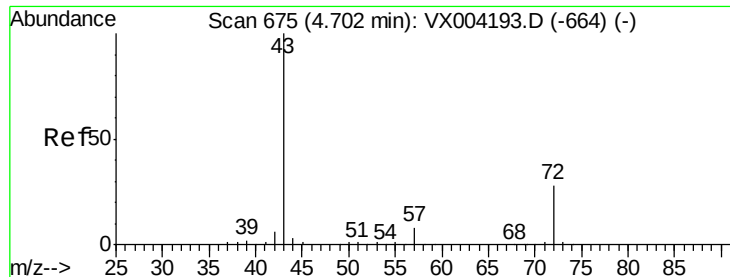
Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.4

100 4.5 2.4 7.1





#25

2-Butanone

Concen: 104.26 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX004304.D

Acq: 29 Aug 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

VX0829WBS02

Tot Ion: 43 Resp: 276837

Ion Ratio Lower Upper

43 100

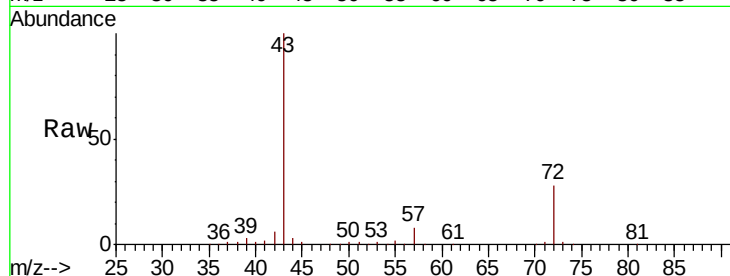
72 28.0 22.0 33.0

Manual Integrations

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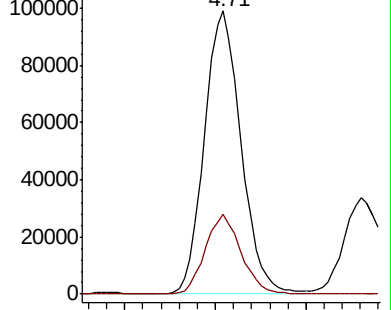
MMDadoda

8/30/2018 1:38:41 PM

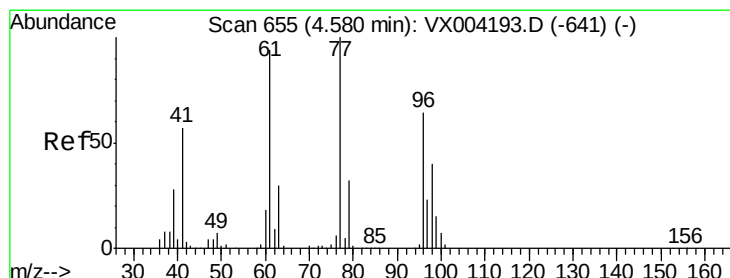
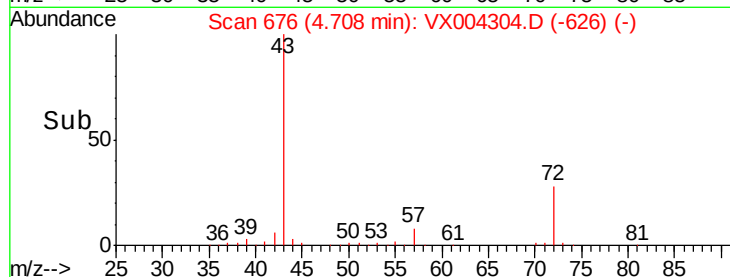


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



Time-->



#26

2,2-Dichloropropane

Concen: 14.34 ug/l

RT: 4.58 min Scan# 655

Delta R.T. 0.00 min

Lab File: VX004304.D

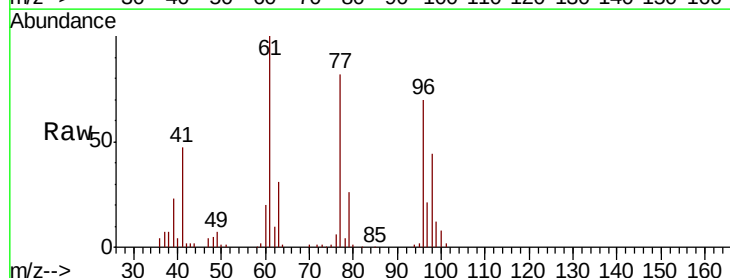
Acq: 29 Aug 2018 21:11

Tgt Ion: 77 Resp: 71265

Ion Ratio Lower Upper

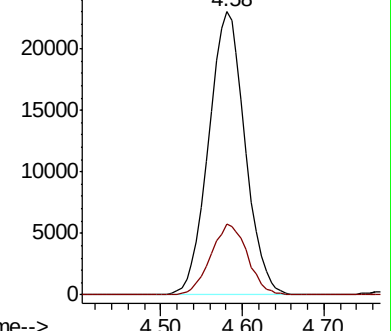
77 100

97 25.3 11.7 35.0

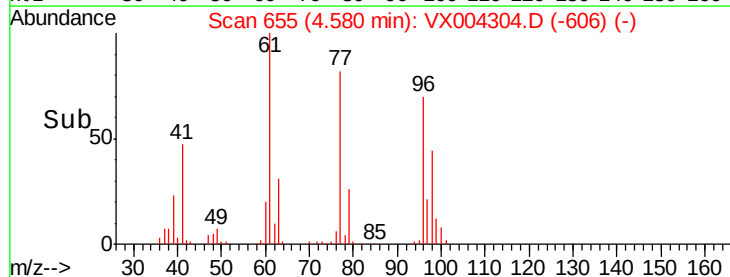


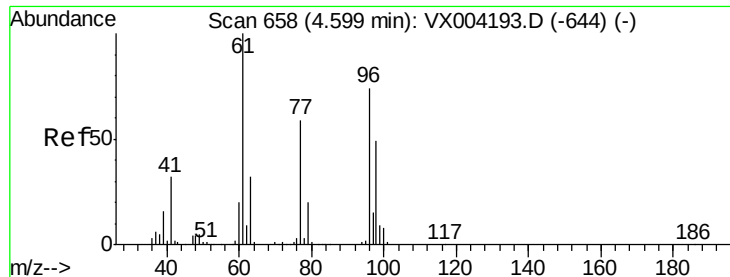
Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



Time-->





#27

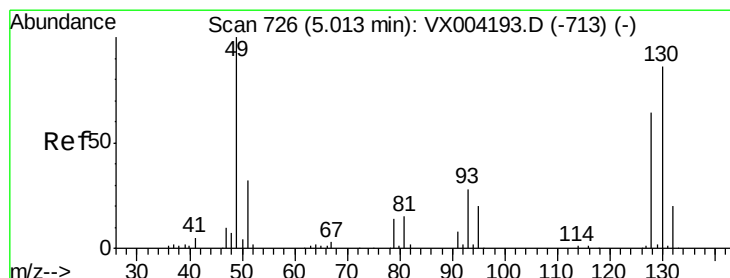
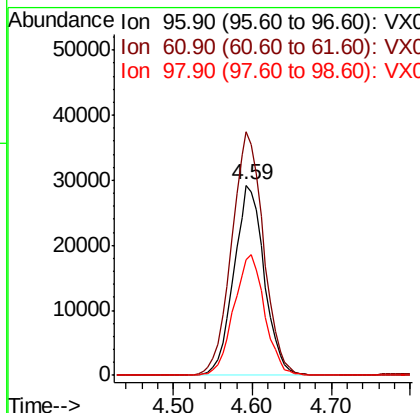
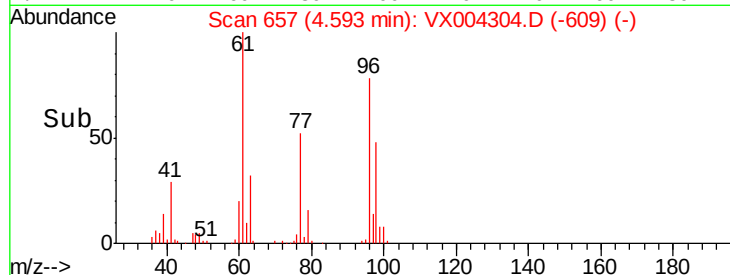
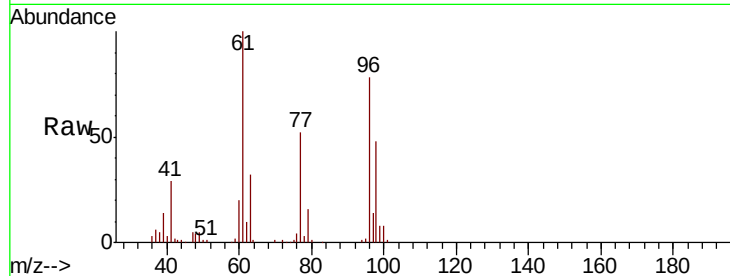
cis-1,2-Dichloroethene
 Concen: 19.65 ug/l
 RT: 4.59 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: VX004304.D
 Acq: 29 Aug 2018 21:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.3	0.0	282.6
98	64.5	0.0	130.2

Manual Integrations
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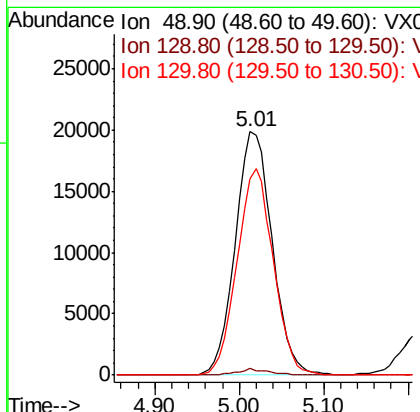
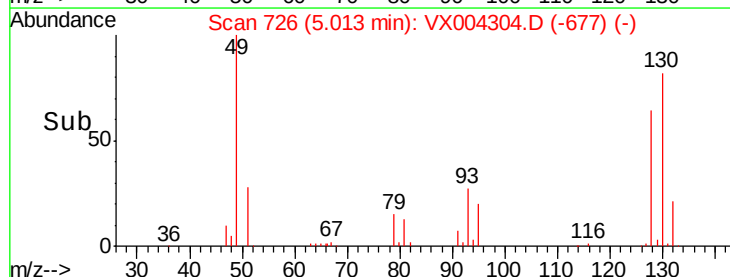
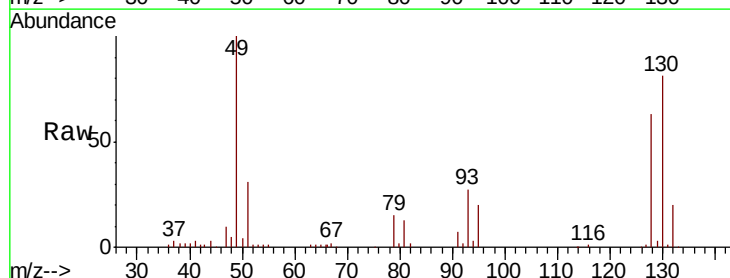
MMDadoda
 8/30/2018 1:38:41 PM

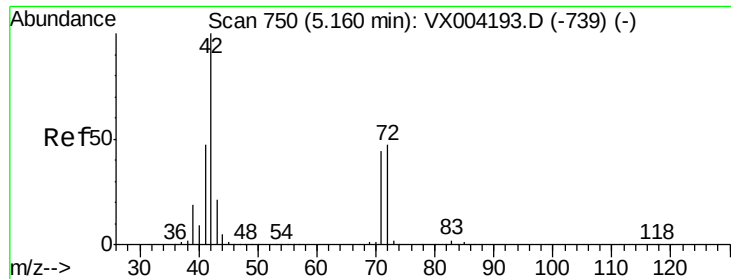


#28

Bromochloromethane
 Concen: 21.01 ug/l
 RT: 5.01 min Scan# 726
 Delta R.T. 0.00 min
 Lab File: VX004304.D
 Acq: 29 Aug 2018 21:11

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	83.0	67.5	101.3





#29

Tetrahydrofuran

Concen: 105.46 ug/l

RT: 5.16 min Scan# 750

Delta R.T. 0.00 min

Lab File: VX004304.D

Acq: 29 Aug 2018 21:11

Instrument :

MSVOA_X

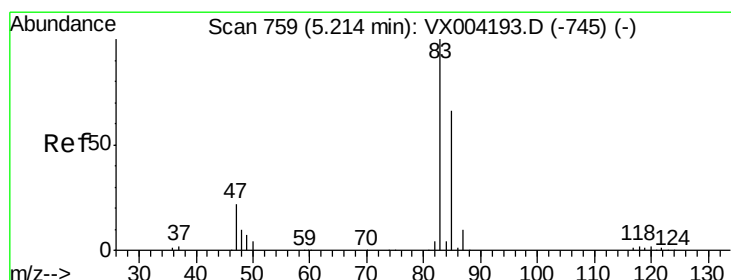
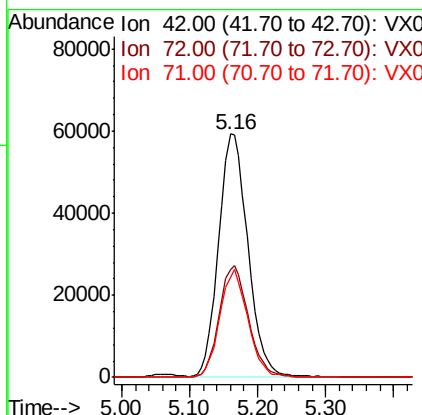
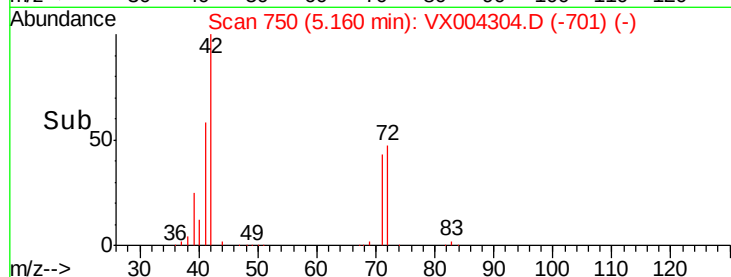
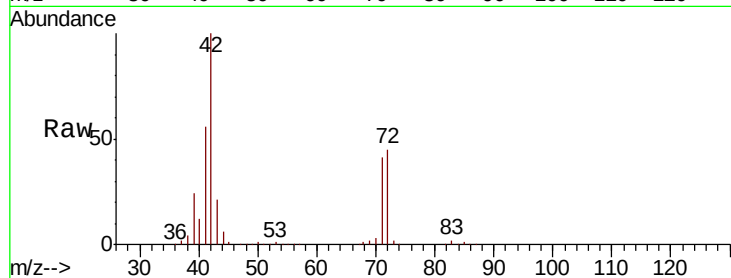
ClientSampleId :

VX0829WBS02

Tot Ion:	42	Resp:	176746
Ion	Ratio	Lower	Upper
42	100		
72	46.4	37.4	56.0
71	42.8	34.5	51.7

Manual Integrations
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#30

Chloroform

Concen: 20.56 ug/l

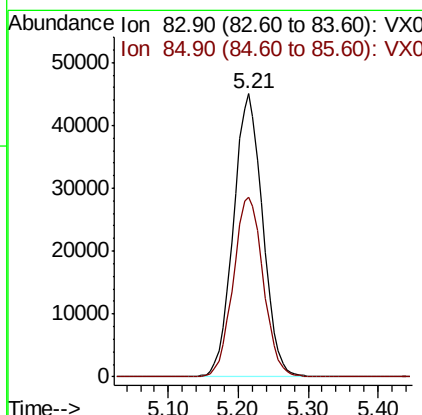
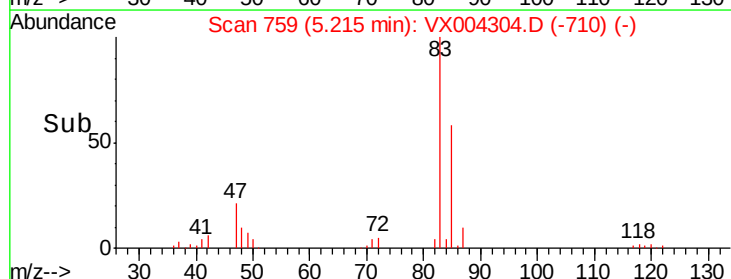
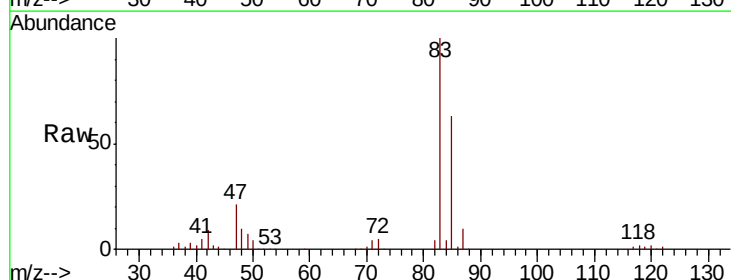
RT: 5.21 min Scan# 759

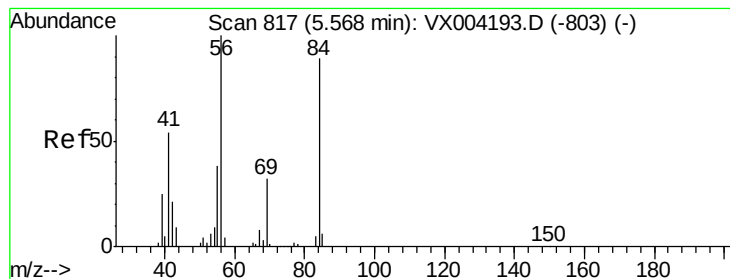
Delta R.T. 0.00 min

Lab File: VX004304.D

Acq: 29 Aug 2018 21:11

Tgt Ion:	83	Resp:	130673
Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.6	79.0





#31

Cyclohexane

Concen: 18.95 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX004304.D

Acq: 29 Aug 2018 21:11

Instrument :

MSVOA_X

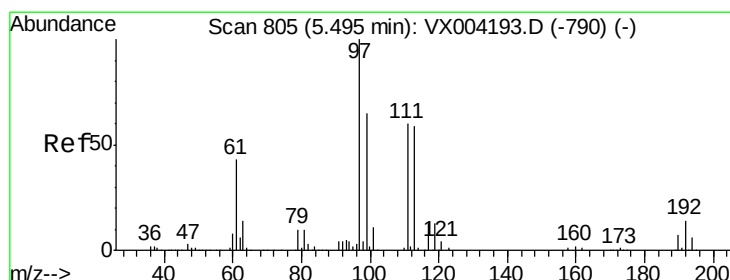
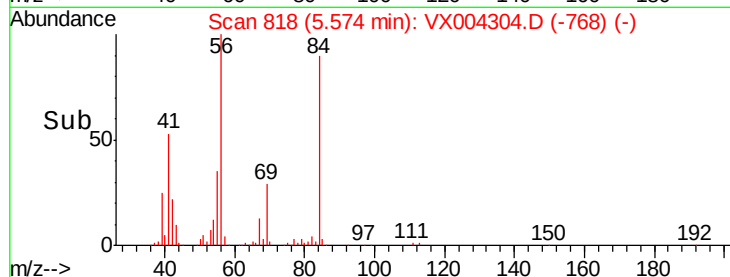
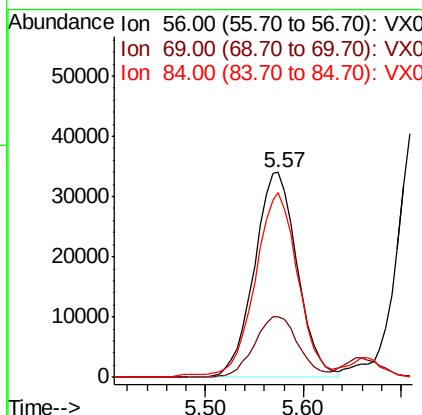
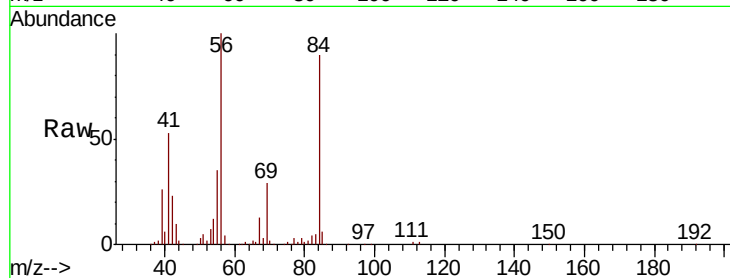
ClientSampleId :

VX0829WBS02

Tot Ion:	56	Resp:	103639
Ion	Ratio	Lower	Upper
56	100		
69	29.3	25.4	38.2
84	88.8	71.4	107.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.16 ug/l

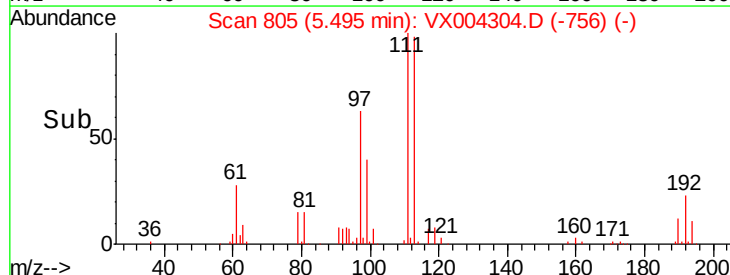
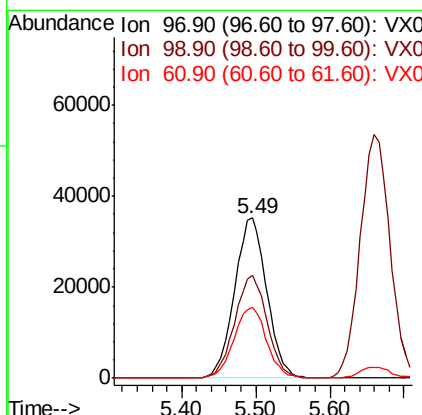
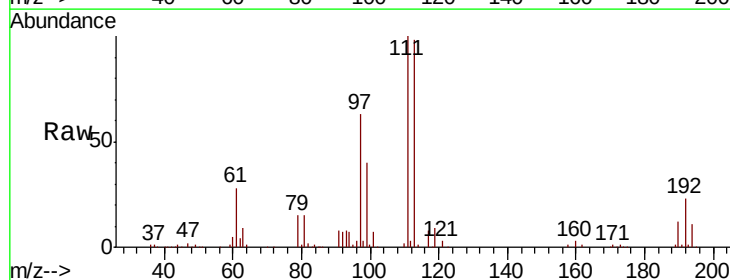
RT: 5.49 min Scan# 805

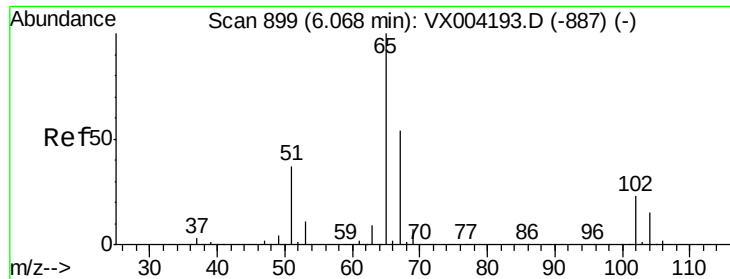
Delta R.T. 0.00 min

Lab File: VX004304.D

Acq: 29 Aug 2018 21:11

Tgt Ion:	97	Resp:	106810
Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.0	78.0
61	45.0	34.9	52.3





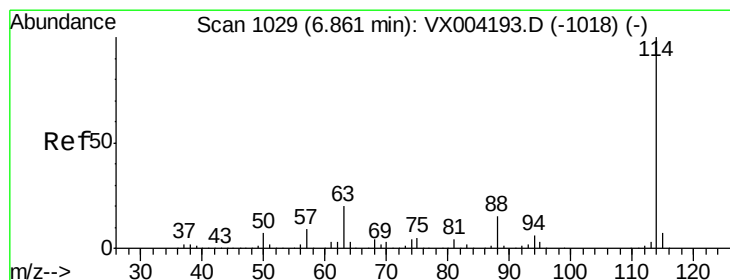
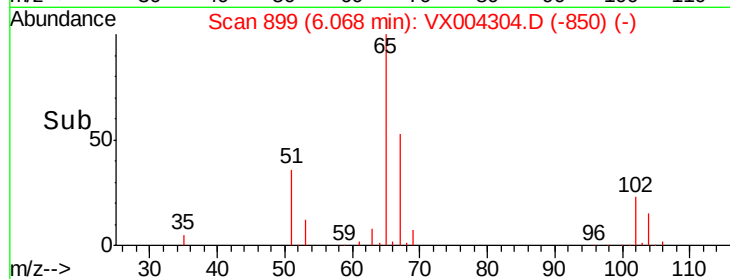
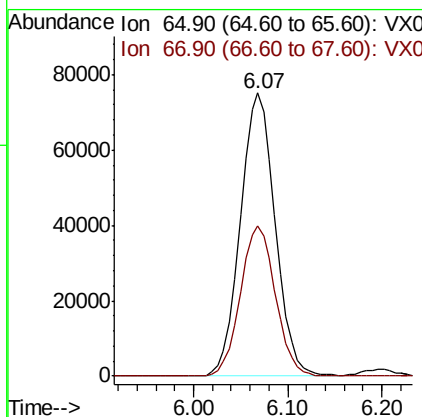
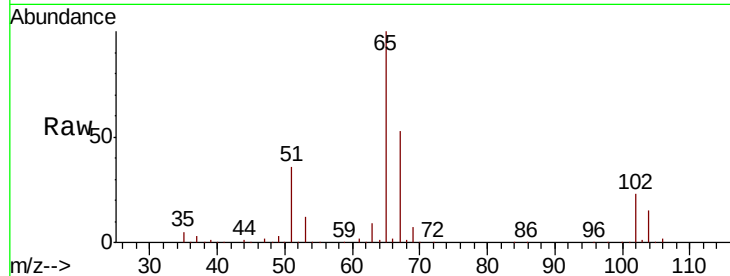
#33
 1,2-Dichloroethane-d4
 Concen: 49.73 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX004304.D
 Acq: 29 Aug 2018 21:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	193967		
67	53.5	0.0	106.8	

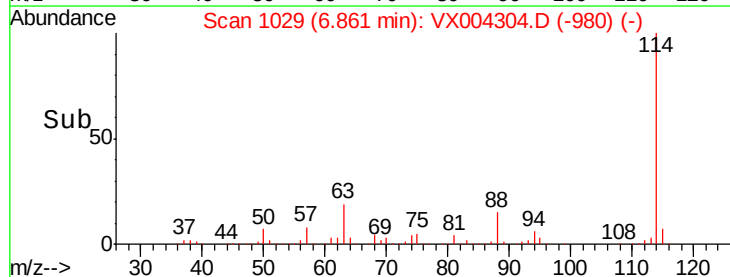
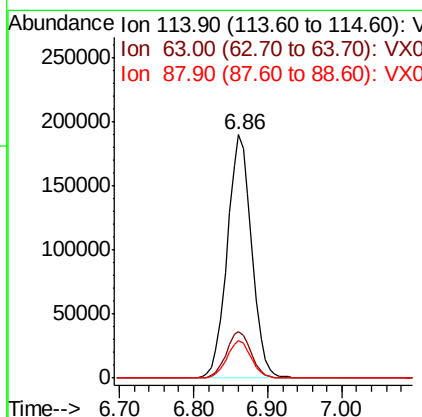
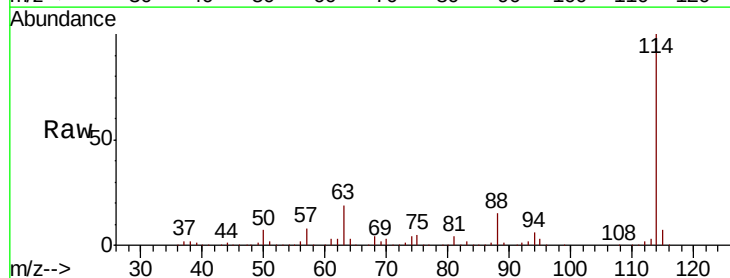
Manual Integrations
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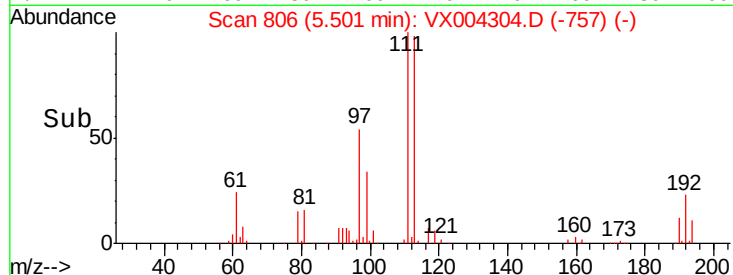
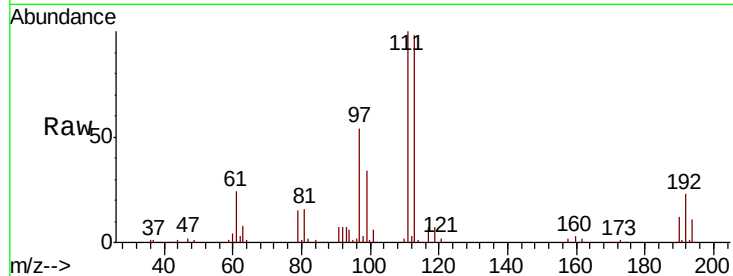
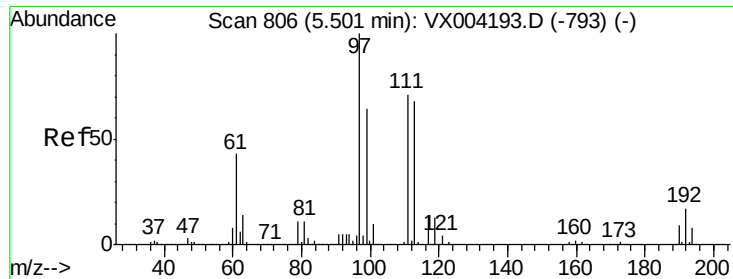
MMDadoda
 8/30/2018 1:38:41 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. 0.00 min
 Lab File: VX004304.D
 Acq: 29 Aug 2018 21:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	434610		
63	19.3	0.0	39.0	
88	15.3	0.0	30.4	





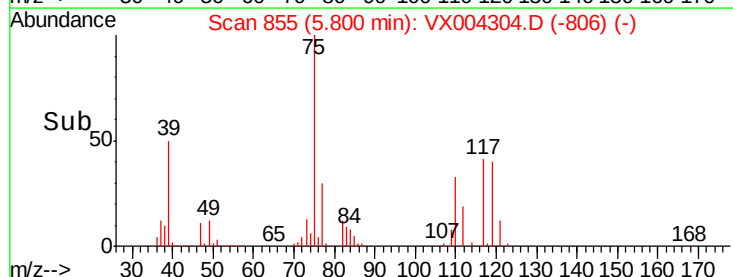
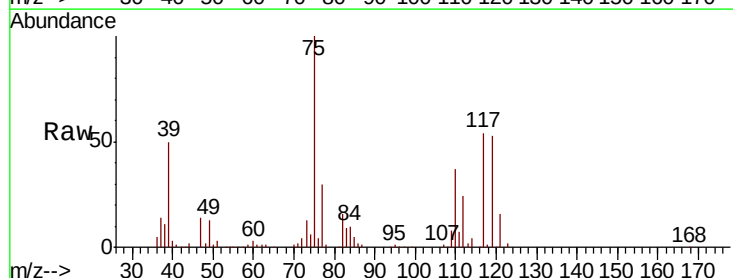
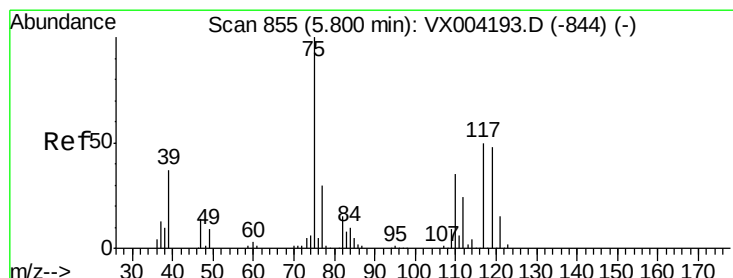
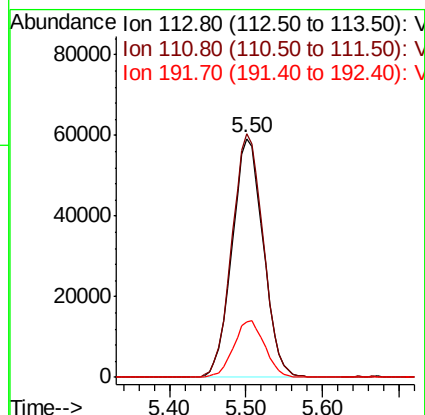
#35
Dibromofluoromethane
Concen: 51.69 ug/l
RT: 5.50 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX004304.D
Acq: 29 Aug 2018 21:11

Tot Ion	Ratio	Resp	Lower	Upper
113	100	167114		
111	102.3	82.4	123.6	
192	23.7	19.4	29.2	

Instrument :
MSVOA_X
ClientSampleId :
VX0829WBS02

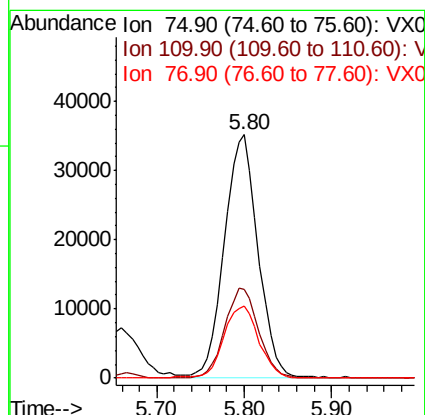
Manual Integrations
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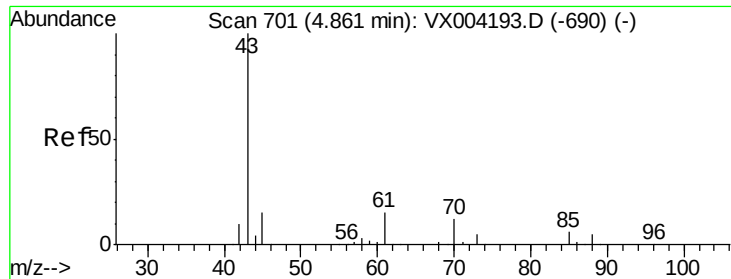
MMDadoda
8/30/2018 1:38:41 PM



#36
1,1-Dichloropropene
Concen: 19.10 ug/l
RT: 5.80 min Scan# 855
Delta R.T. 0.00 min
Lab File: VX004304.D
Acq: 29 Aug 2018 21:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	93337		
110	37.2	18.0	54.0	
77	31.4	24.6	36.8	





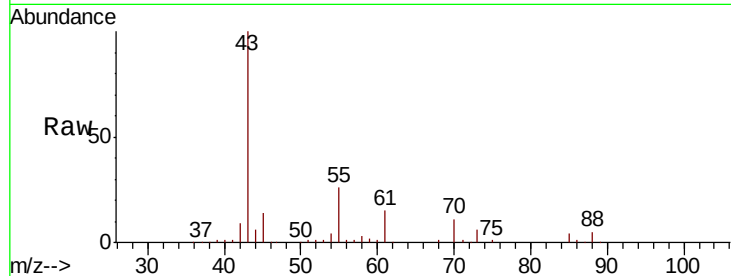
#37
Ethyl Acetate
Concen: 20.59 ug/l
RT: 4.86 min Scan# 701
Delta R.T. 0.00 min
Lab File: VX004304.D
Acq: 29 Aug 2018 21:11

Instrument :
MSVOA_X
ClientSampleId :
VX0829WBS02

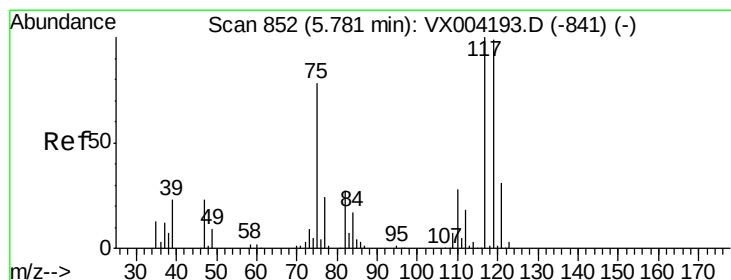
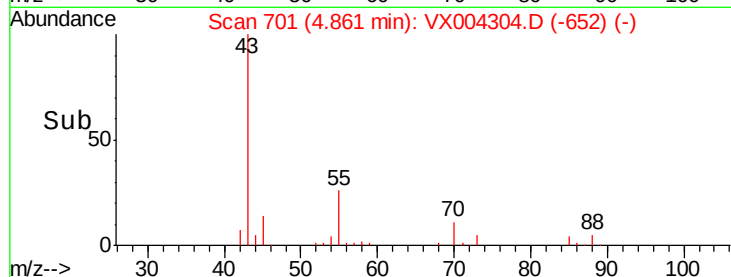
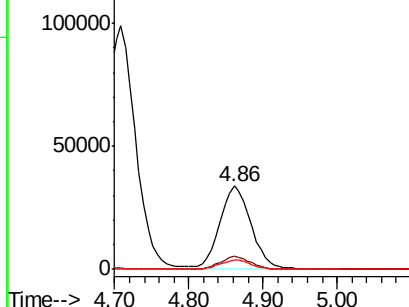
Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.5	17.3
70	11.5	9.0	13.6

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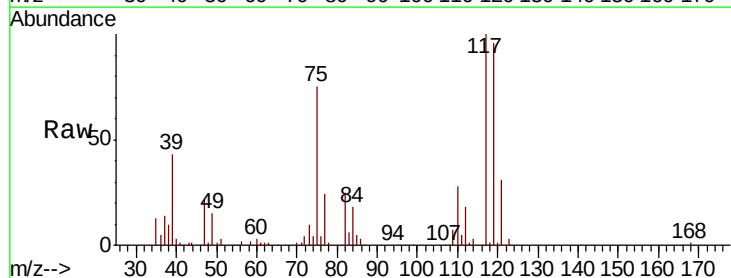


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

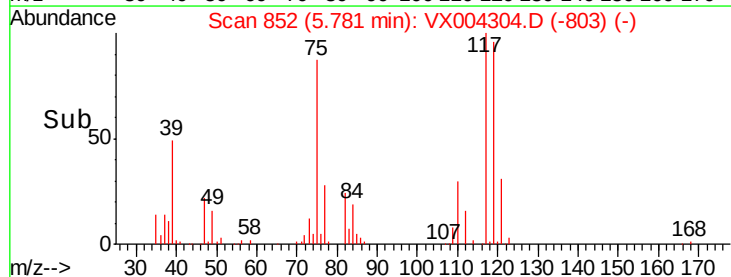
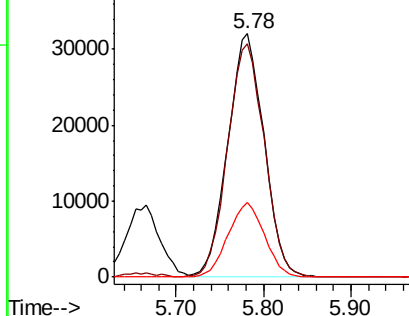


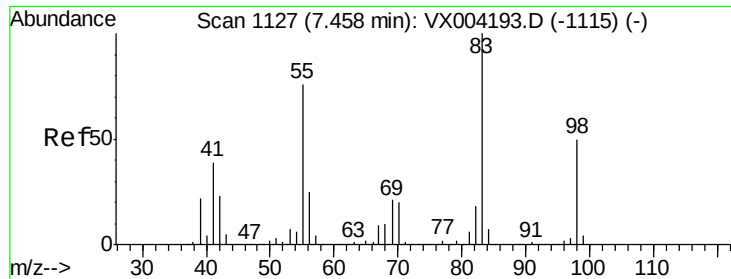
#38
Carbon Tetrachloride
Concen: 20.08 ug/l
RT: 5.78 min Scan# 852
Delta R.T. 0.00 min
Lab File: VX004304.D
Acq: 29 Aug 2018 21:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	78.8	118.2
121	30.7	24.9	37.3



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





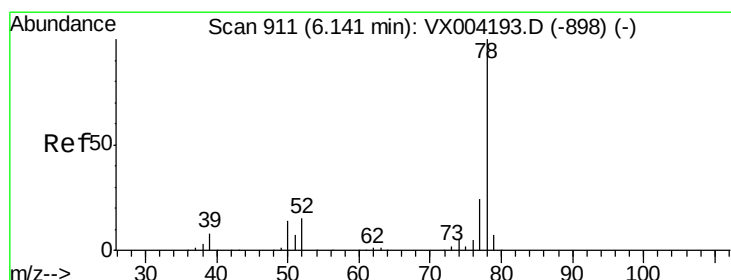
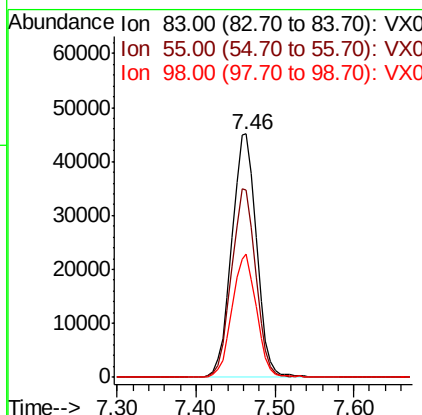
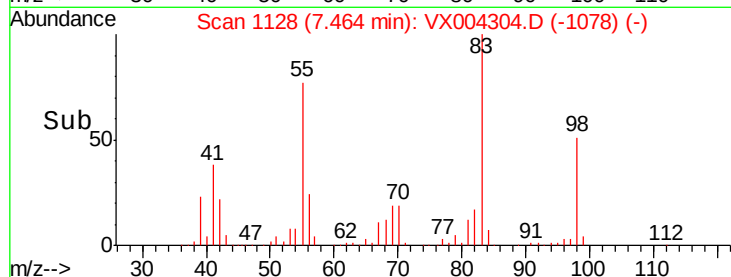
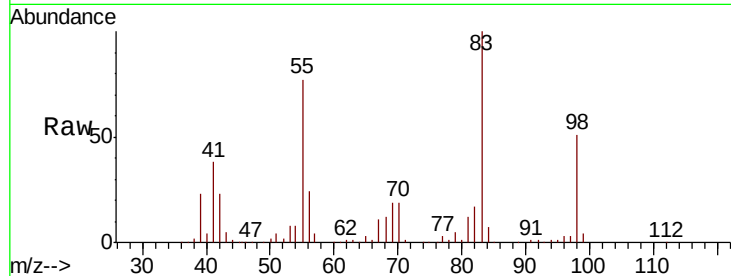
#39
Methylvlcyclohexane
Concen: 17.74 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VX004304.D
Acq: 29 Aug 2018 21:11

Instrument :
MSVOA_X
ClientSampleId :
VX0829WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.9	61.0	91.4
98	50.6	39.6	59.4

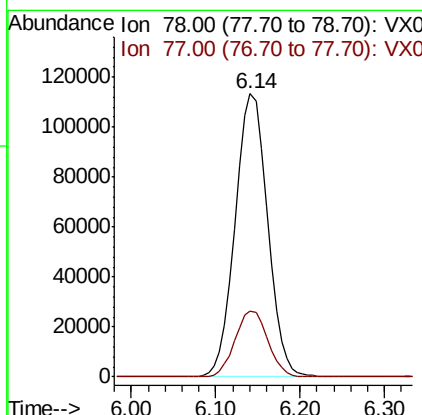
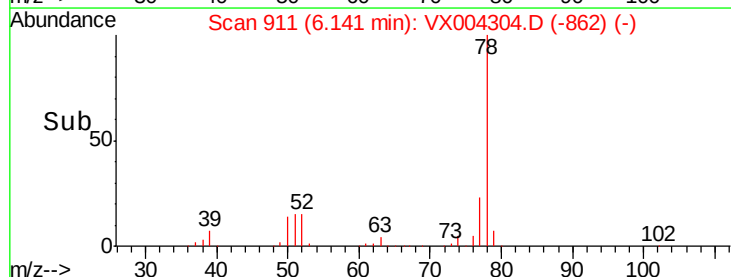
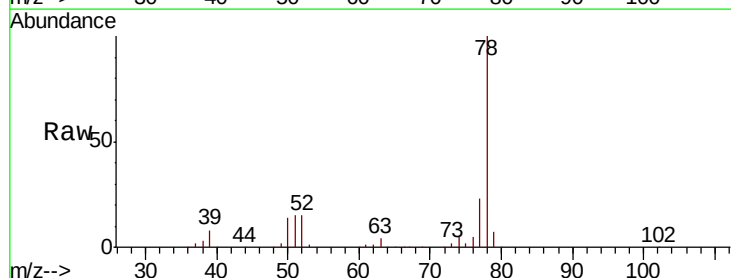
Manual Integrations
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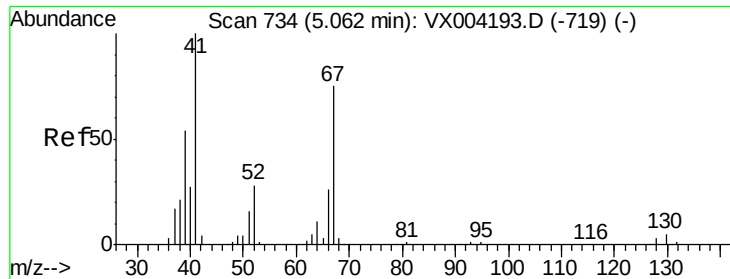
MMDadoda
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#40
Benzene
Concen: 20.25 ug/l
RT: 6.14 min Scan# 911
Delta R.T. 0.00 min
Lab File: VX004304.D
Acq: 29 Aug 2018 21:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.0	28.4





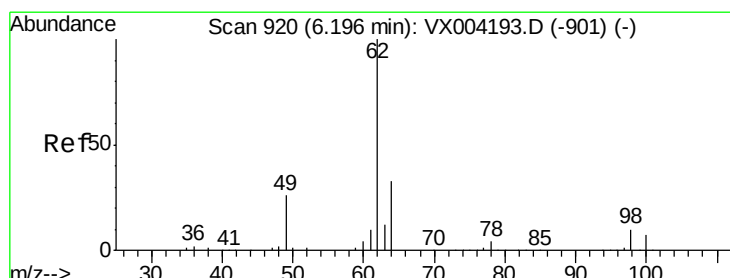
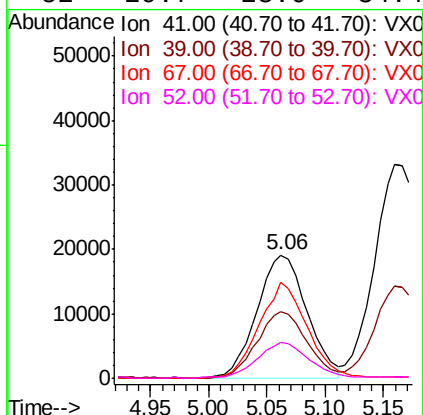
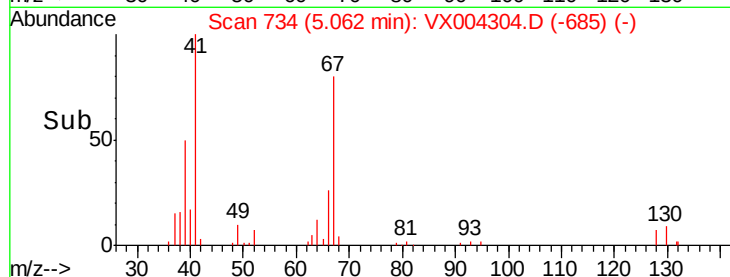
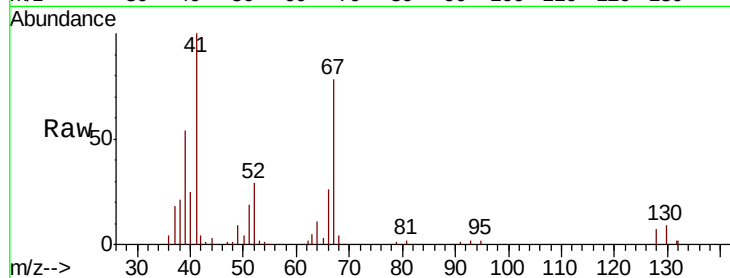
#41
Methacrylonitrile
Concen: 20.25 ug/l
RT: 5.06 min Scan# 734
Delta R.T. 0.00 min
Lab File: VX004304.D
Acq: 29 Aug 2018 21:11

Instrument :
MSVOA_X
ClientSampleId :
VX0829WBS02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.1	42.4	63.6	
67	75.7	59.2	88.8	
52	29.7	23.0	34.4	

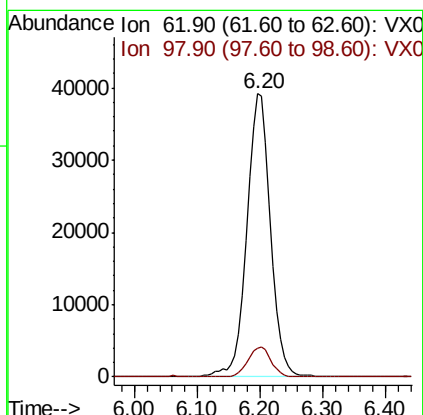
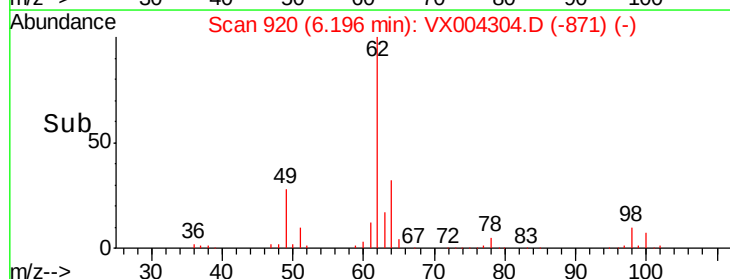
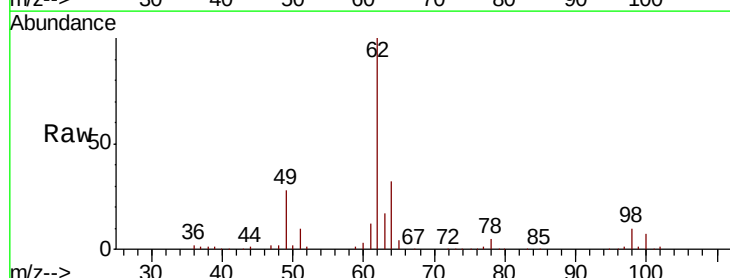
Manual Integrations
APPROVED

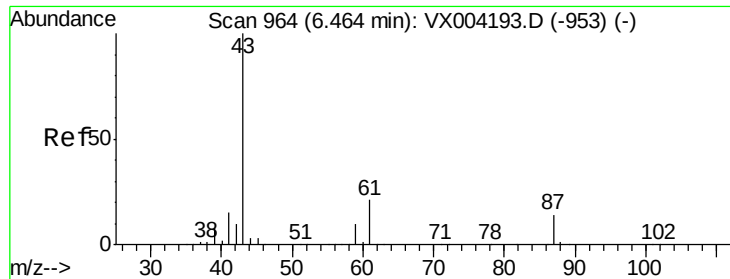
MMDadoda
8/30/2018 1:38:41 PM



#42
1,2-Dichloroethane
Concen: 20.47 ug/l
RT: 6.20 min Scan# 920
Delta R.T. 0.00 min
Lab File: VX004304.D
Acq: 29 Aug 2018 21:11

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.4	0.0	20.6	





#43

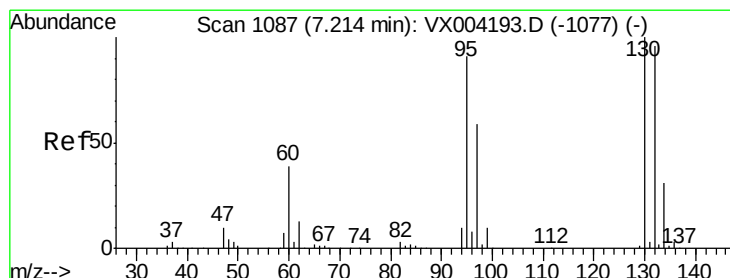
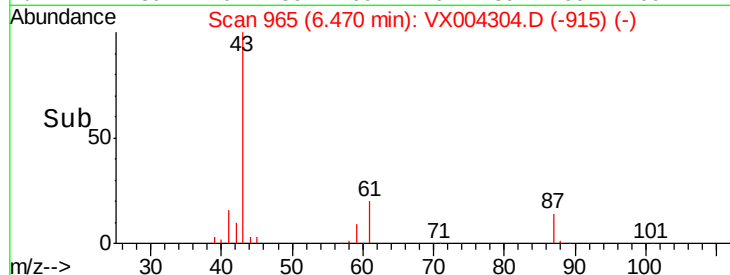
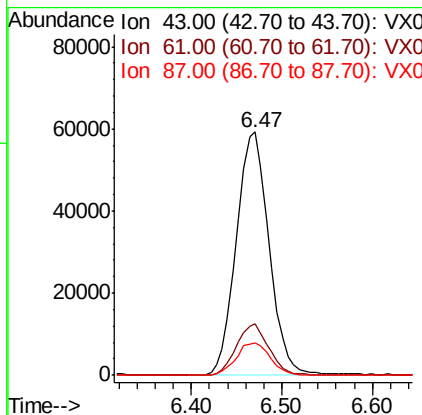
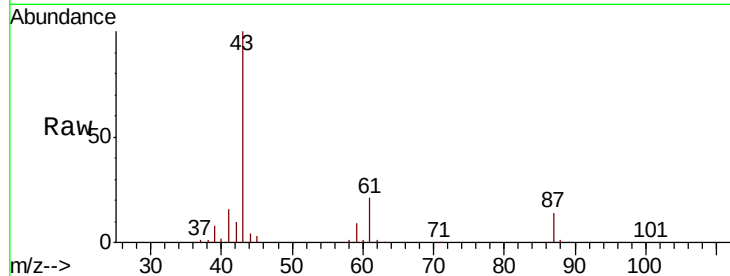
Isopropyl Acetate
 Concen: 20.04 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.01 min
 Lab File: VX004304.D
 Acq: 29 Aug 2018 21:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.0	17.0	25.4
87	14.0	11.4	17.2

Manual Integrations
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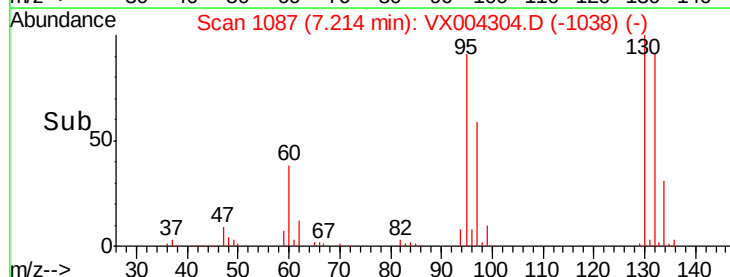
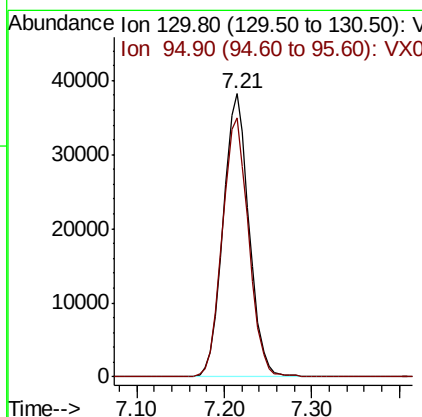
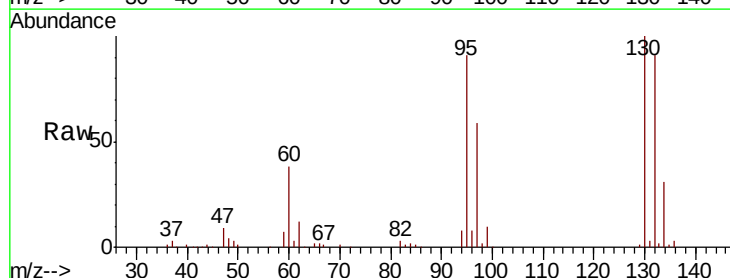
MMDadoda
 8/30/2018 1:38:41 PM

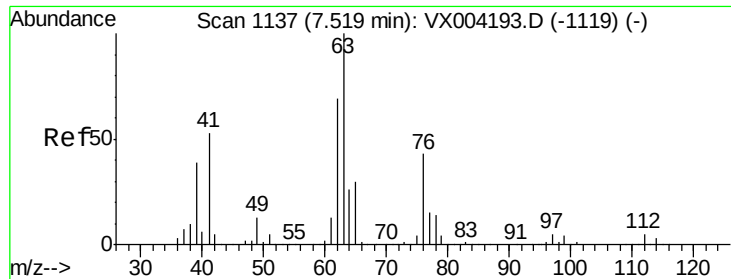


#44

Trichloroethene
 Concen: 19.36 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX004304.D
 Acq: 29 Aug 2018 21:11

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.5	0.0	181.6





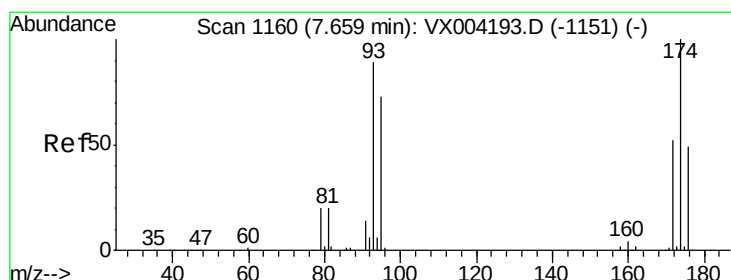
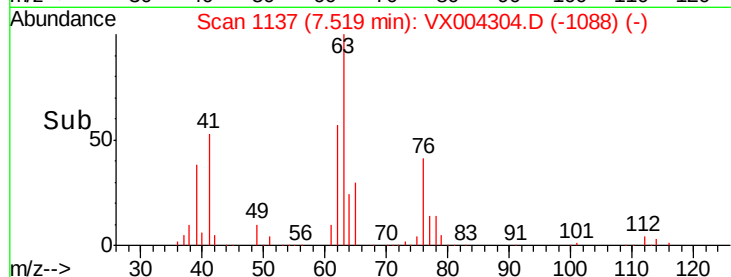
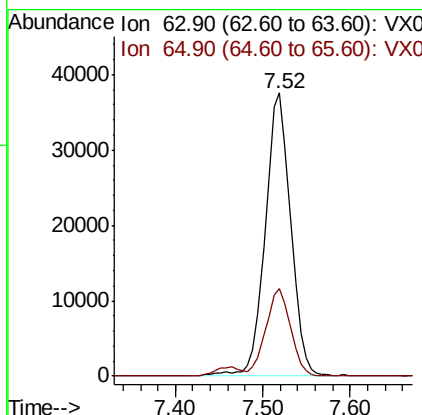
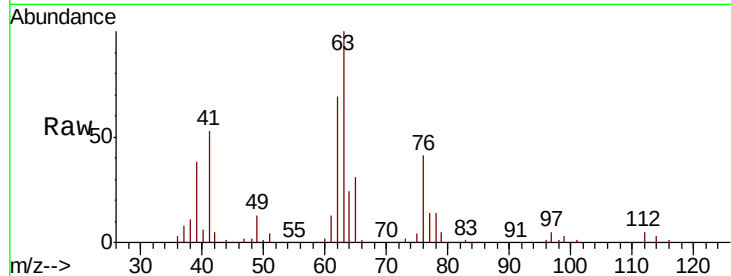
#45
 1,2-Dichloropropane
 Concen: 20.91 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX004304.D
 Acq: 29 Aug 2018 21:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829WBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.3	36.5

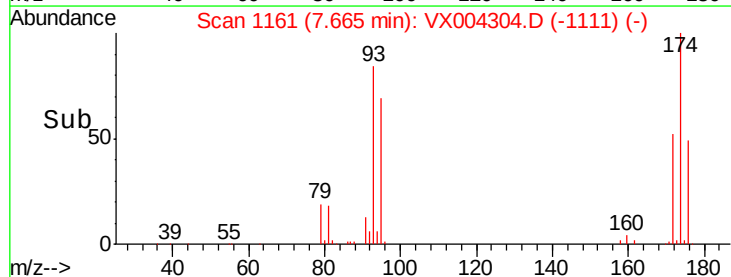
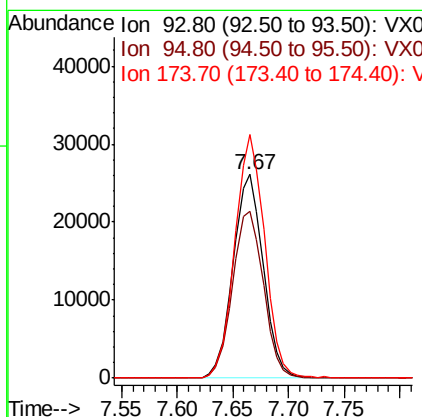
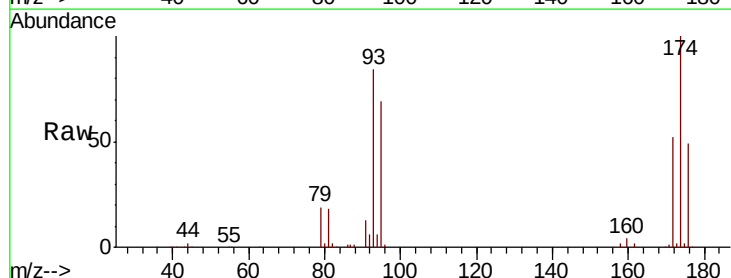
Manual Integrations
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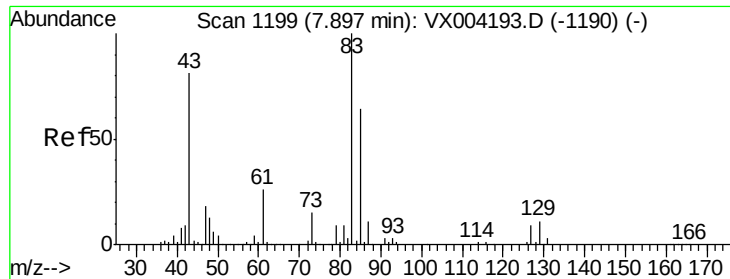
MMDadoda
 8/30/2018 1:38:41 PM



#46
 Dibromomethane
 Concen: 20.20 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.01 min
 Lab File: VX004304.D
 Acq: 29 Aug 2018 21:11

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.1	65.5	98.3
174	117.9	94.2	141.4





#47

Bromodichloromethane

Concen: 20.54 ug/l

RT: 7.90 min Scan# 1199

Delta R.T. 0.00 min

Lab File: VX004304.D

Acq: 29 Aug 2018 21:11

Instrument :

MSVOA_X

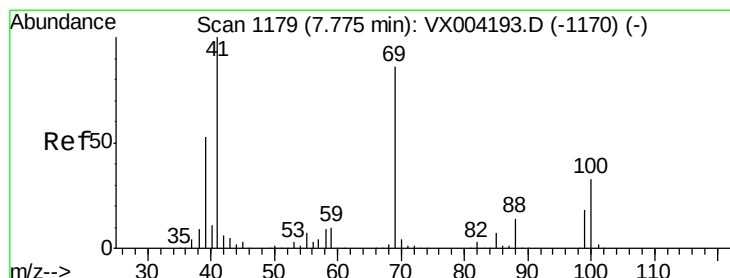
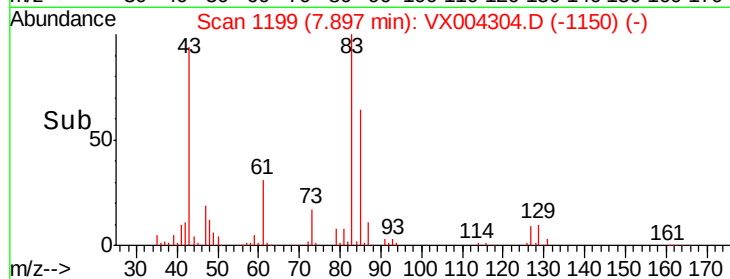
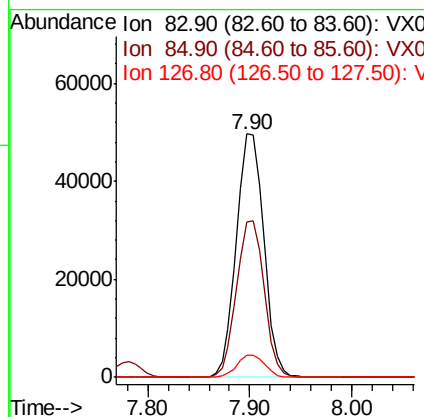
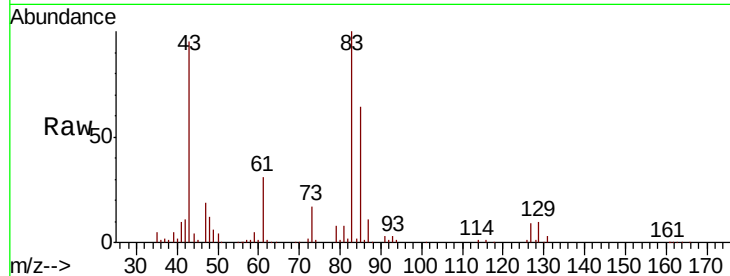
ClientSampleId :

VX0829WBS02

Tot Ion:	83	Resp:	92975
Ion	Ratio	Lower	Upper
83	100		
85	63.7	50.9	76.3
127	9.0	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.12 ug/l

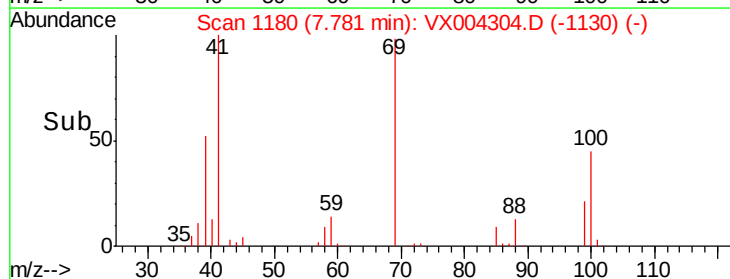
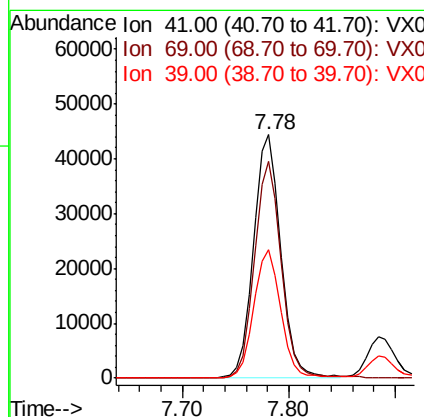
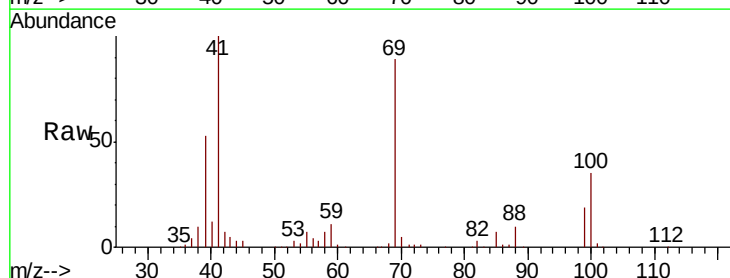
RT: 7.78 min Scan# 1180

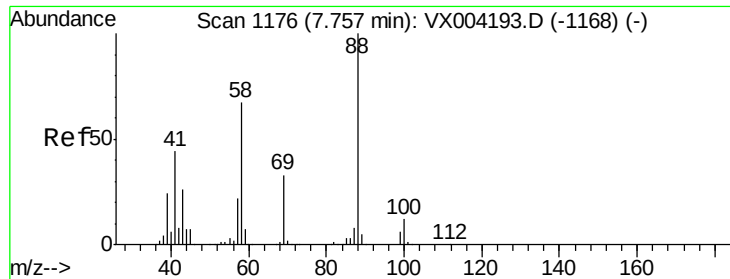
Delta R.T. 0.01 min

Lab File: VX004304.D

Acq: 29 Aug 2018 21:11

Tgt Ion:	41	Resp:	79493
Ion	Ratio	Lower	Upper
41	100		
69	88.7	70.2	105.4
39	53.2	42.7	64.1





#49

1,4-Dioxane

Concen: 414.85 ug/l

RT: 7.76 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VX004304.D

Acq: 29 Aug 2018 21:11

Instrument :

MSVOA_X

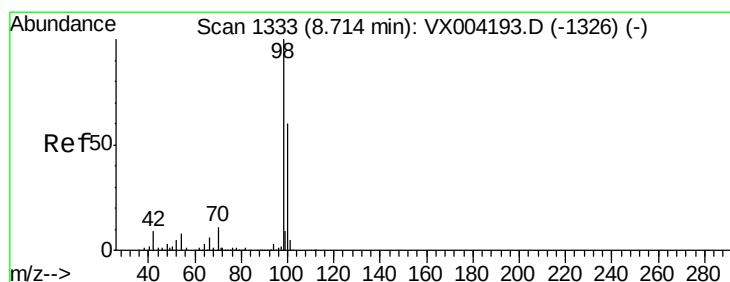
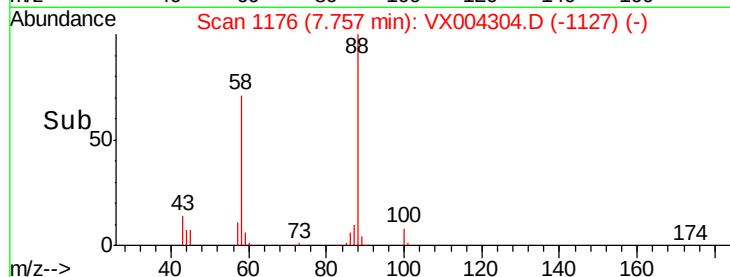
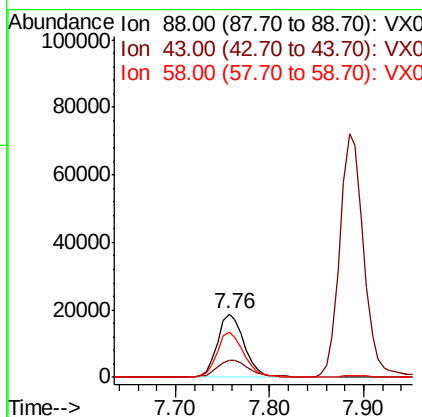
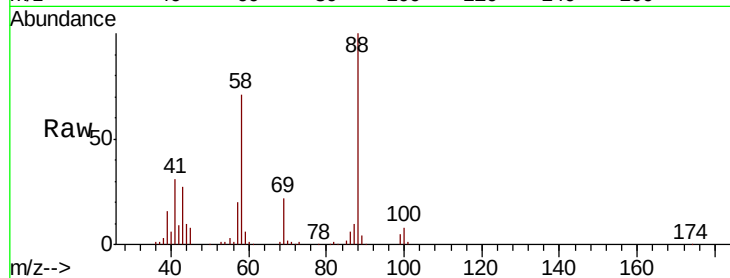
ClientSampleId :

VX0829WBS02

Tot Ion:	88	Resp:	37214
Ion	Ratio	Lower	Upper
88	100		
43	32.1	24.7	37.1
58	71.6	55.3	82.9

Manual Integrations
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#50

Toluene-d8

Concen: 50.79 ug/l

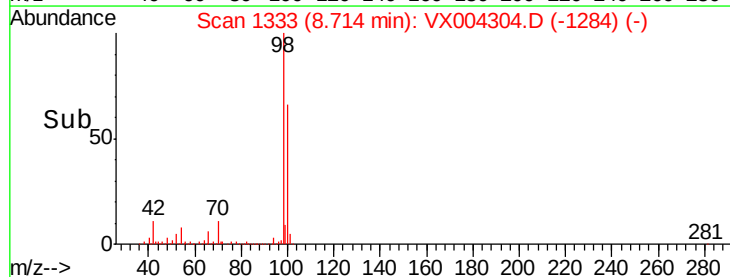
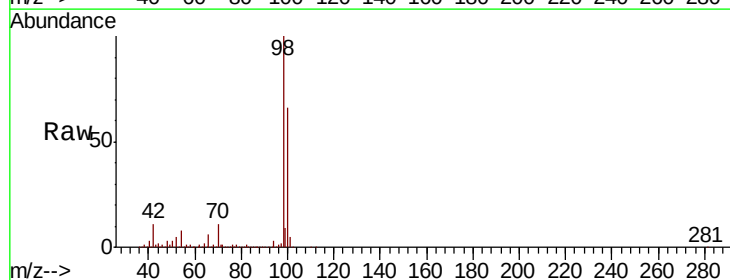
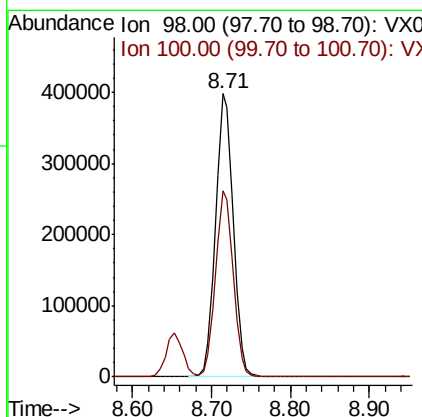
RT: 8.71 min Scan# 1333

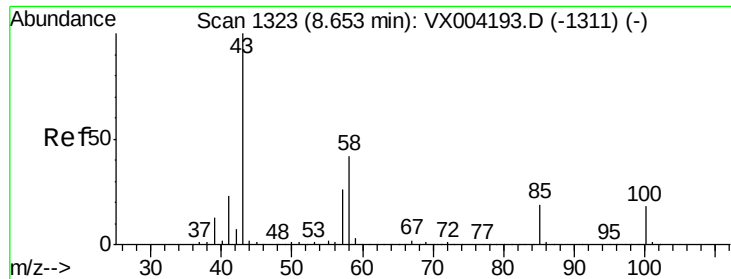
Delta R.T. 0.00 min

Lab File: VX004304.D

Acq: 29 Aug 2018 21:11

Tgt Ion:	98	Resp:	619792
Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 100.12 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX004304.D

Acq: 29 Aug 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

VX0829WBS02

Tot Ion: 43 Resp: 537158

Ion Ratio Lower Upper

43 100

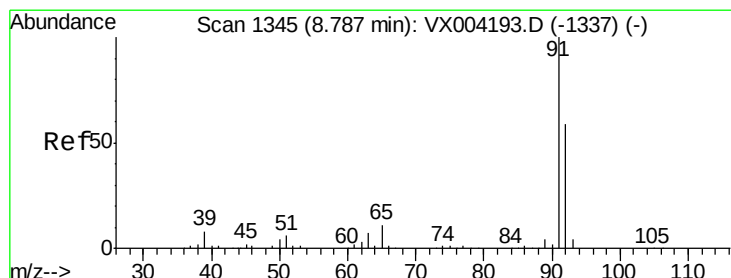
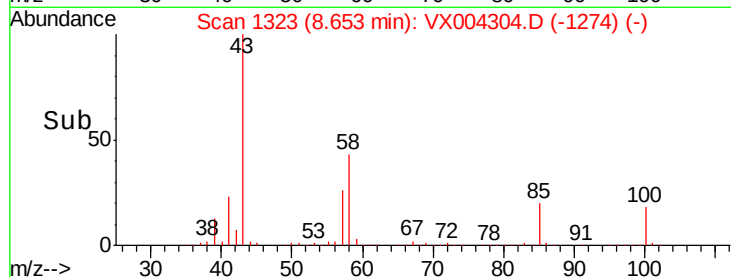
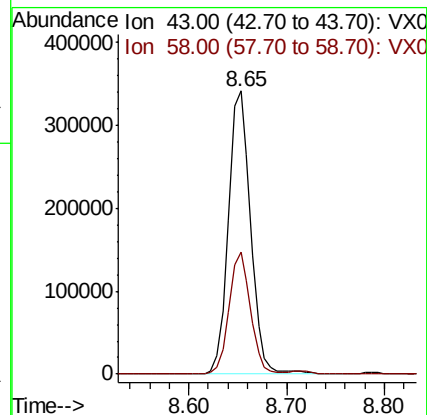
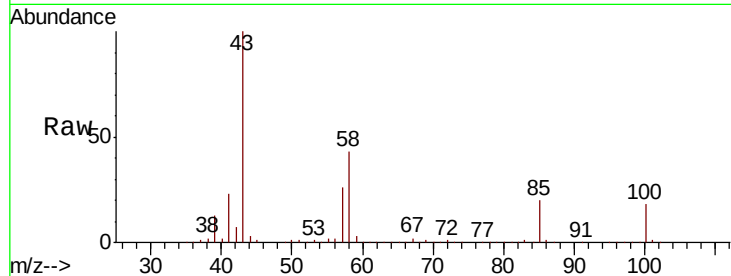
58 41.2 33.1 49.7

Manual Integrations

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#52

Toluene

Concen: 20.35 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX004304.D

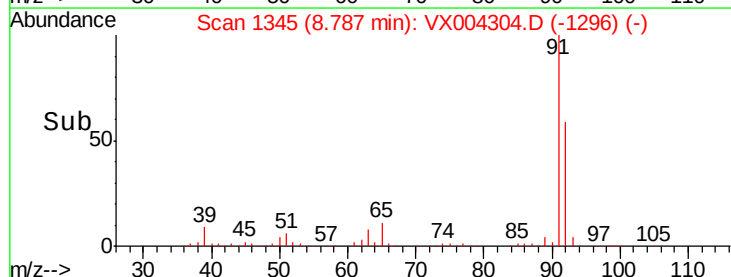
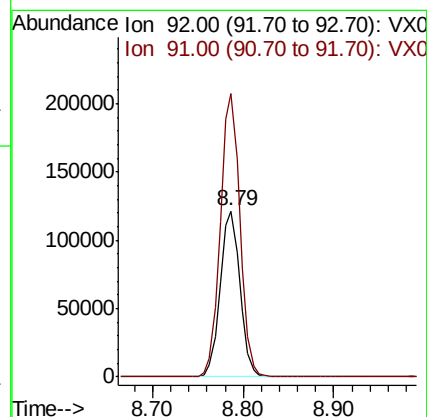
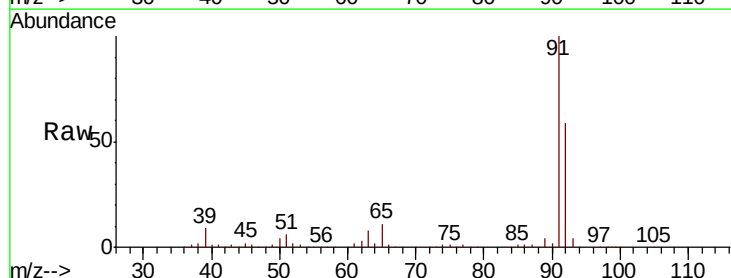
Acq: 29 Aug 2018 21:11

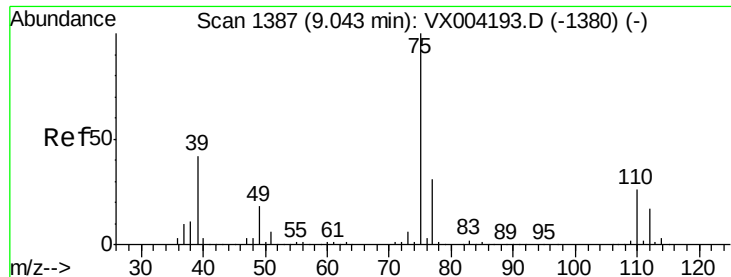
Tgt Ion: 92 Resp: 186003

Ion Ratio Lower Upper

92 100

91 169.4 136.4 204.6





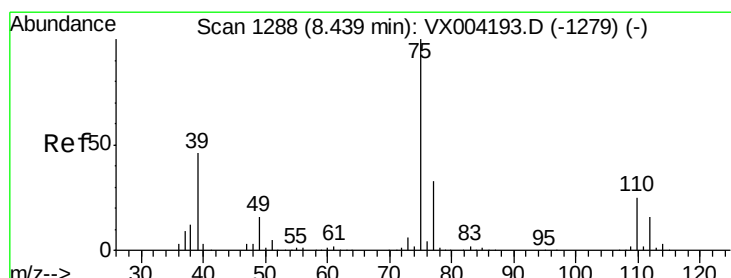
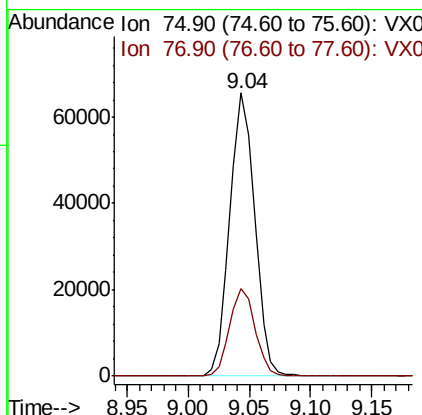
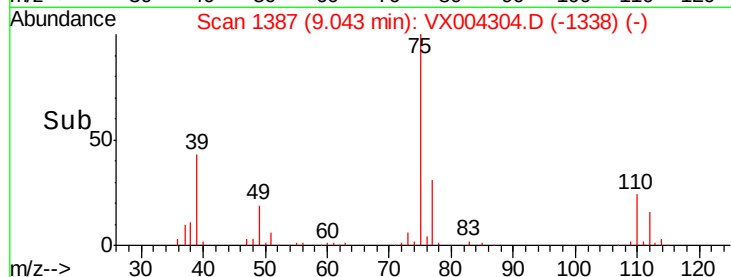
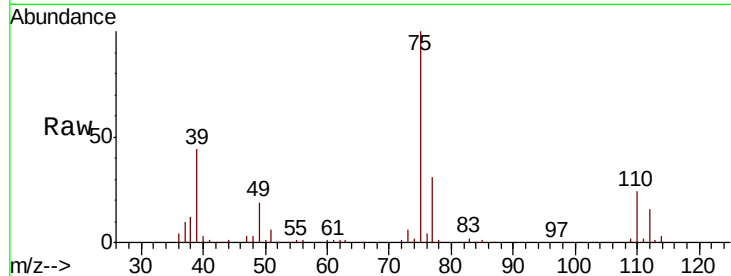
#53
 t-1,3-Dichloropropene
 Concen: 18.66 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. 0.00 min
 Lab File: VX004304.D
 Acq: 29 Aug 2018 21:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829WBS02

Tot Ion: 75 Resp: 93328
 Ion Ratio Lower Upper
 75 100
 77 30.8 24.6 37.0

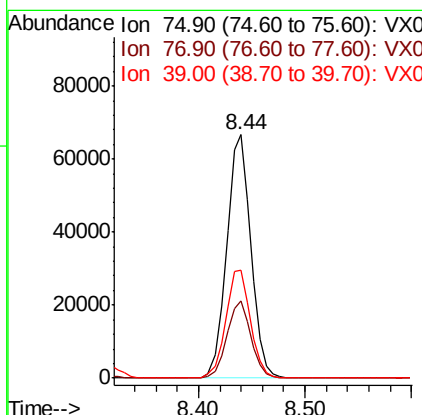
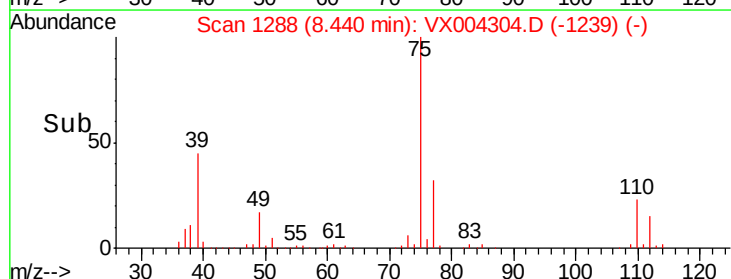
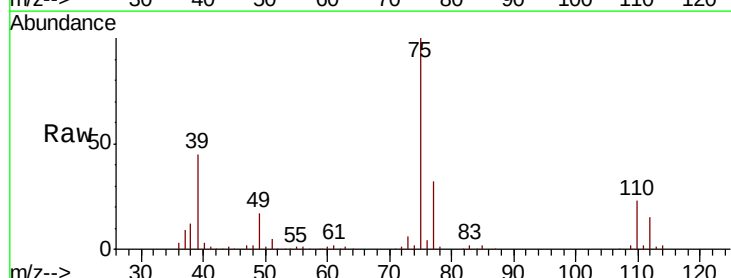
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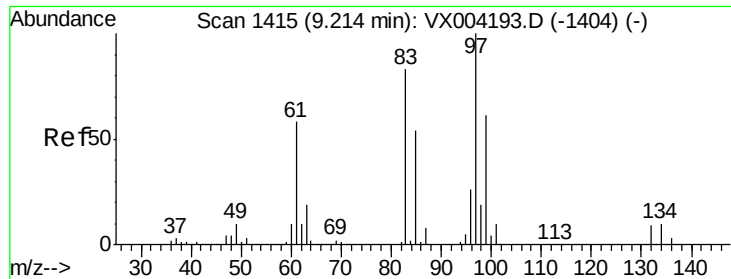
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 19.46 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: VX004304.D
 Acq: 29 Aug 2018 21:11

Tgt Ion: 75 Resp: 105985
 Ion Ratio Lower Upper
 75 100
 77 31.9 26.2 39.2
 39 44.4 36.4 54.6





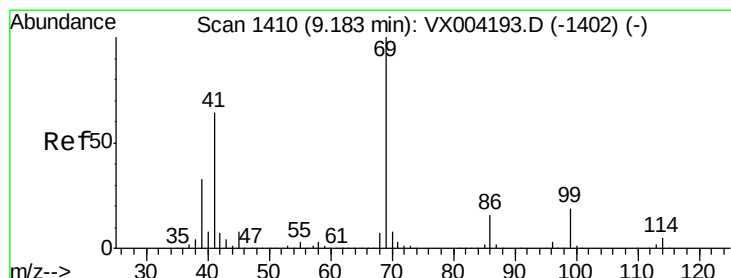
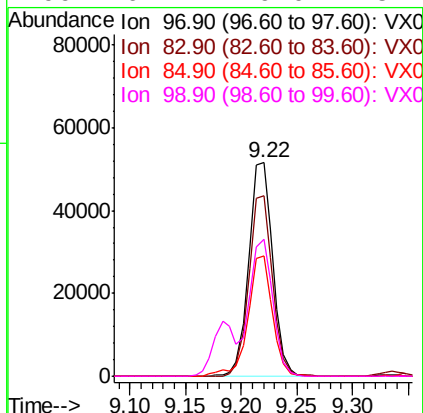
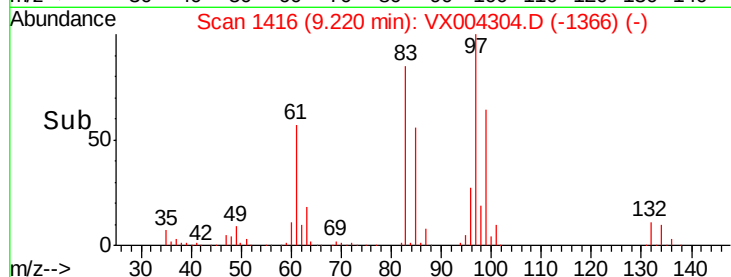
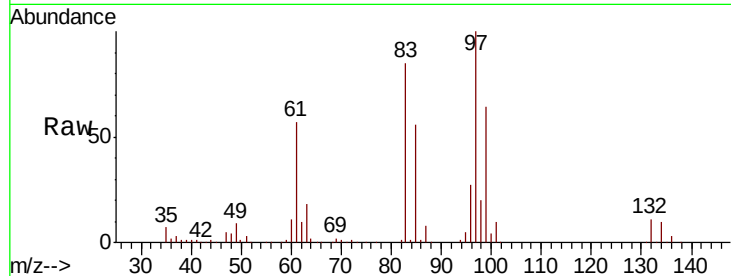
#55
 1,1,2-Trichloroethane
 Concen: 20.97 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.01 min
 Lab File: VX004304.D
 Acq: 29 Aug 2018 21:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100				
83	84.7	66.4	99.6		
85	56.4	43.3	64.9		
99	64.1	49.0	73.4		

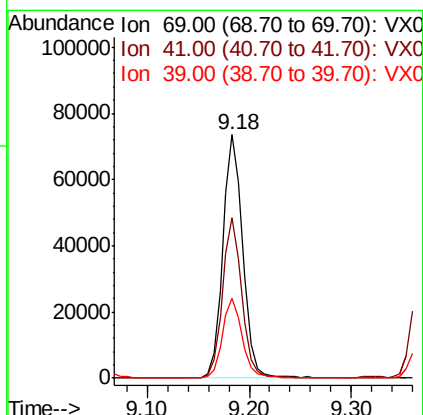
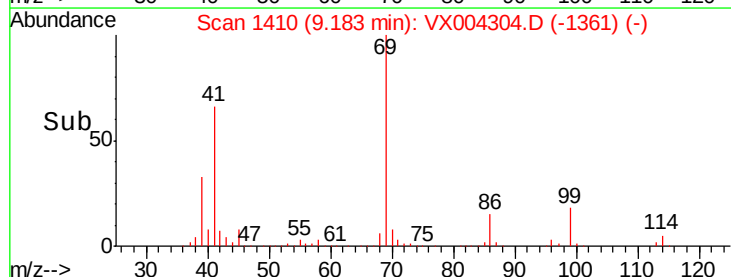
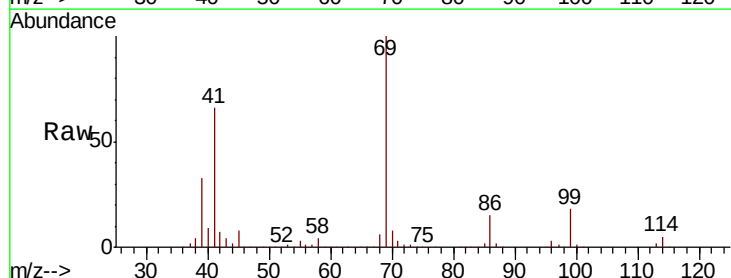
Manual Integrations
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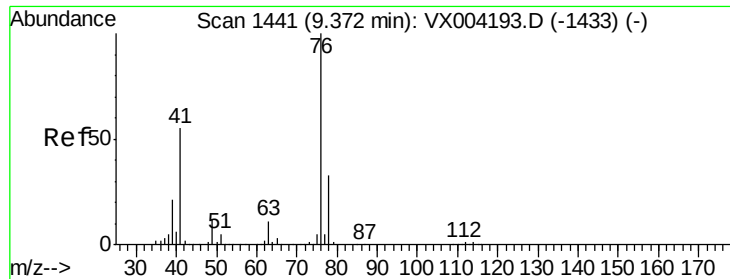
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 19.91 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX004304.D
 Acq: 29 Aug 2018 21:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	63.3	51.0	76.4		
39	32.1	26.1	39.1		





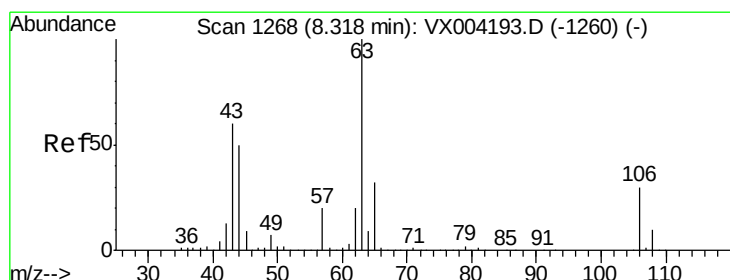
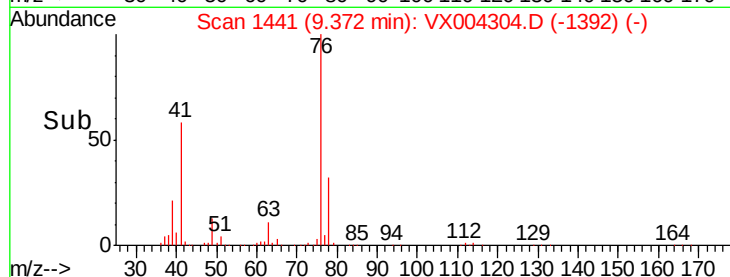
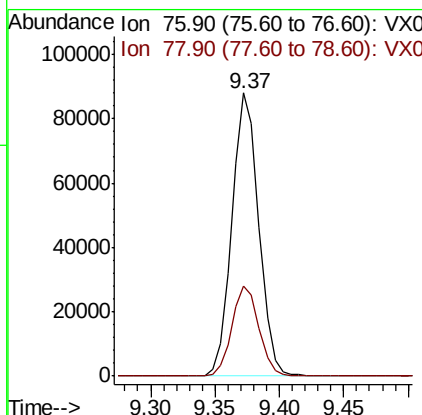
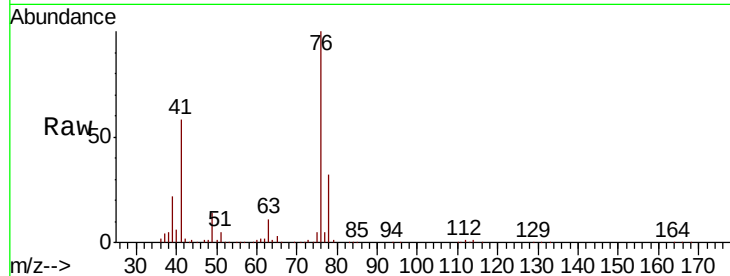
#57
 1,3-Dichloropropane
 Concen: 20.57 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VX004304.D
 Acq: 29 Aug 2018 21:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829WBS02

Tot Ion: 76 Resp: 127902
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.5 38.3

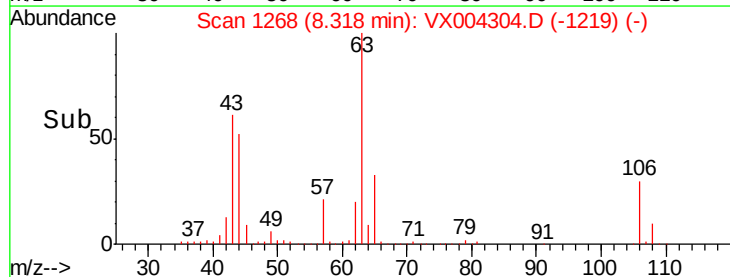
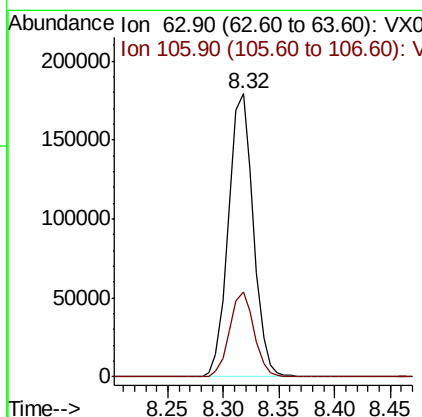
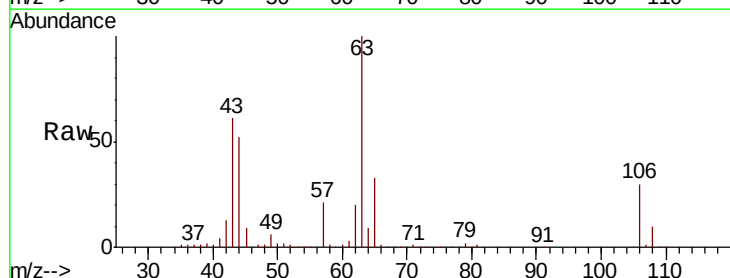
Manual Integrations
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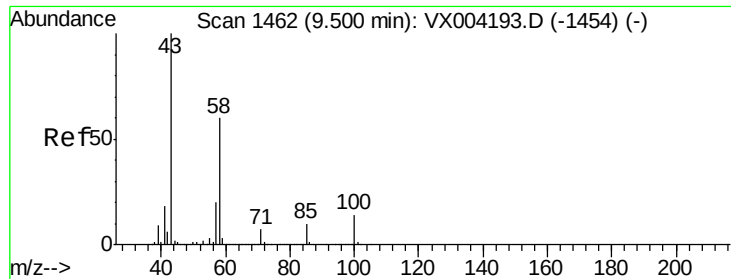
MMDadoda
 8/30/2018 1:38:41 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 107.83 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX004304.D
 Acq: 29 Aug 2018 21:11

Tgt Ion: 63 Resp: 277474
 Ion Ratio Lower Upper
 63 100
 106 29.5 23.9 35.9





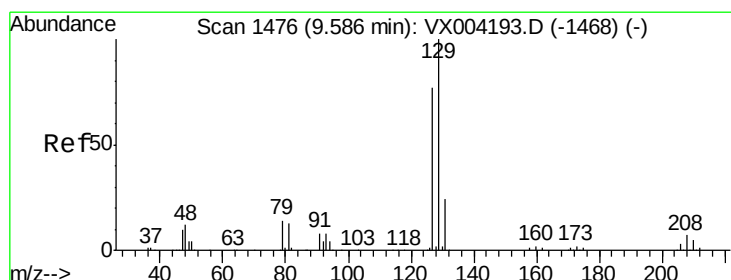
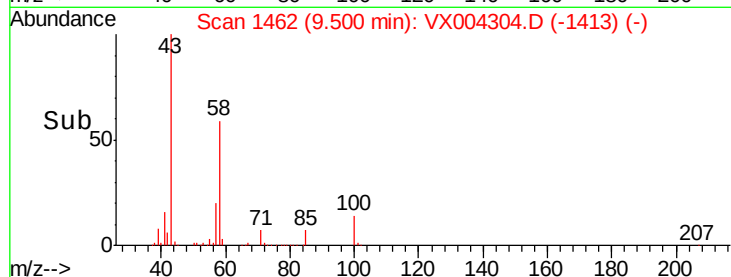
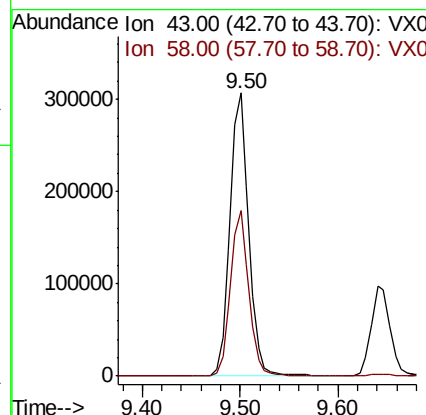
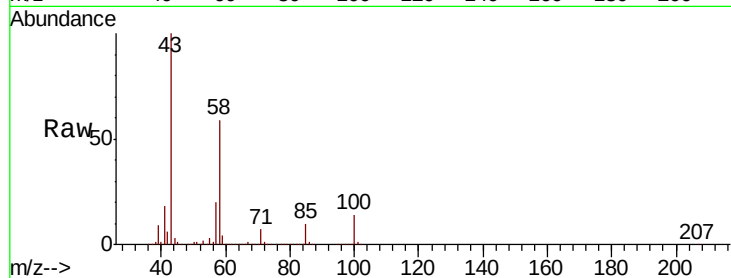
#59
2-Hexanone
Concen: 99.88 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX004304.D
Acq: 29 Aug 2018 21:11

Instrument :
MSVOA_X
ClientSampleId :
VX0829WBS02

Tot Ion: 43 Resp: 408784
Ion Ratio Lower Upper
43 100
58 57.5 29.0 87.0

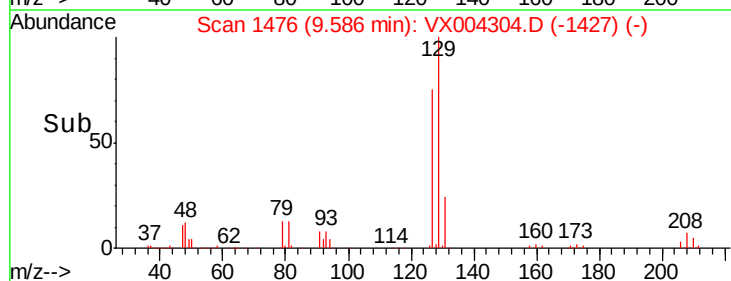
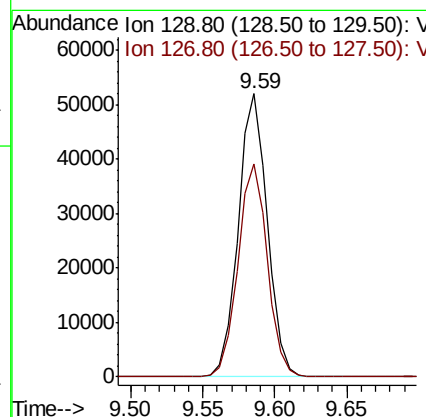
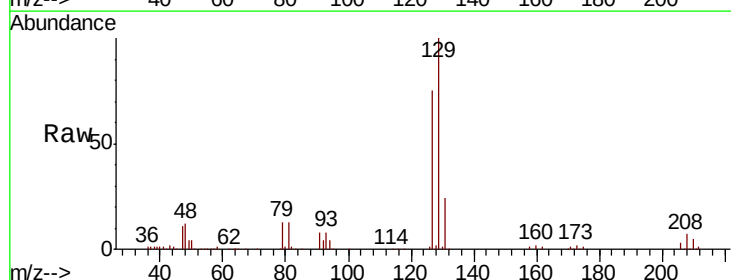
Manual Integrations
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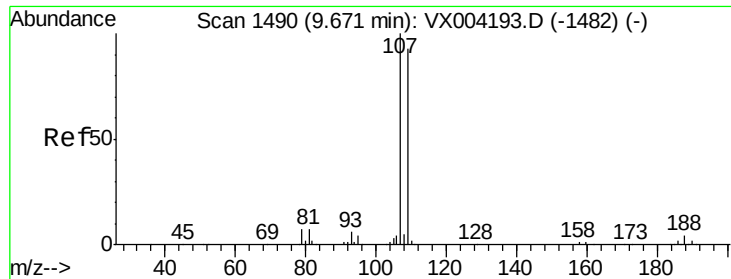
MMDadoda
8/30/2018 1:38:41 PM



#60
Dibromochloromethane
Concen: 20.36 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX004304.D
Acq: 29 Aug 2018 21:11

Tgt Ion: 129 Resp: 73168
Ion Ratio Lower Upper
129 100
127 75.6 38.5 115.5





#61

1,2-Dibromoethane

Concen: 19.93 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. 0.00 min

Lab File: VX004304.D

Acq: 29 Aug 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

VX0829WBS02

Tot Ion:107 Resp: 76075

Ion Ratio Lower Upper

107 100

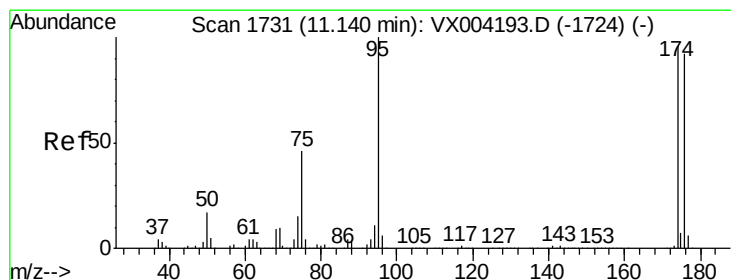
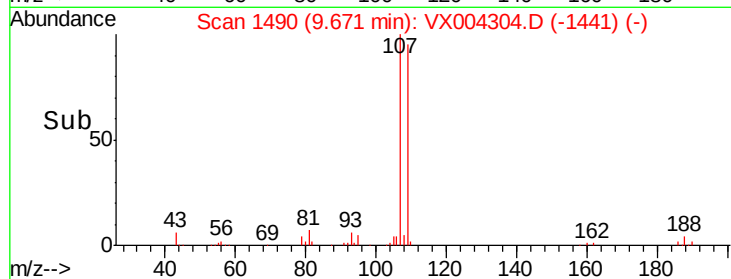
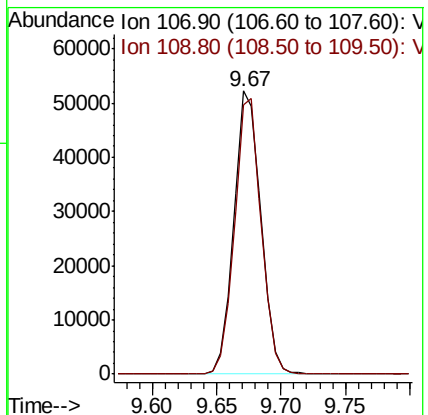
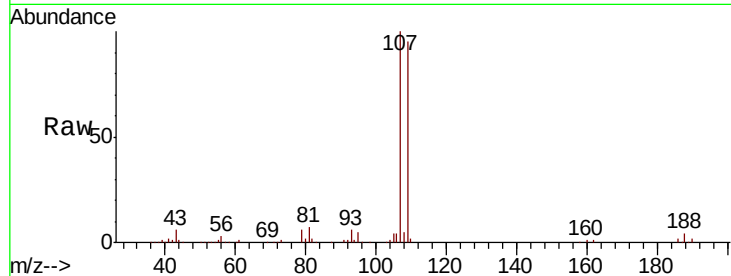
109 96.1 76.0 114.0

Manual Integrations

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MMDadoda

8/30/2018 1:38:41 PM



#62

4-Bromofluorobenzene

Concen: 49.87 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX004304.D

Acq: 29 Aug 2018 21:11

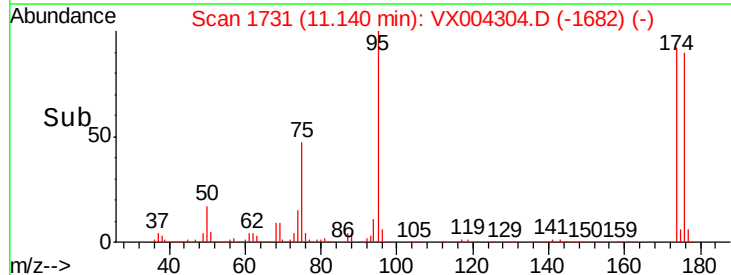
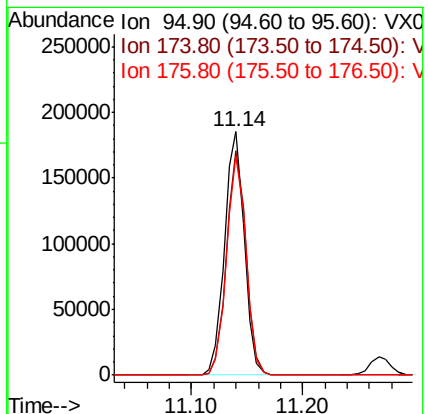
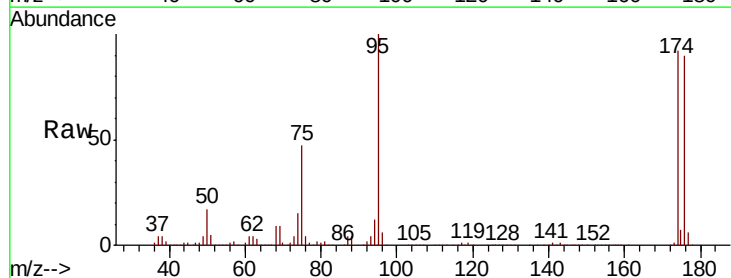
Tgt Ion: 95 Resp: 227100

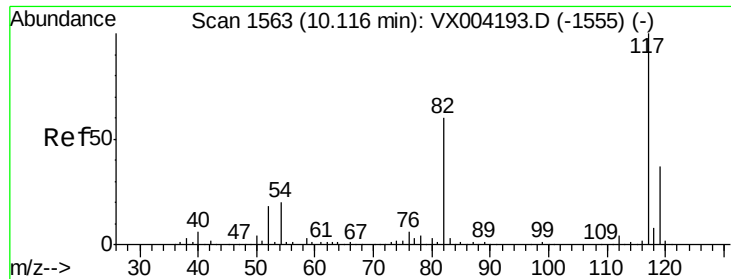
Ion Ratio Lower Upper

95 100

174 91.0 0.0 185.2

176 88.5 0.0 178.6





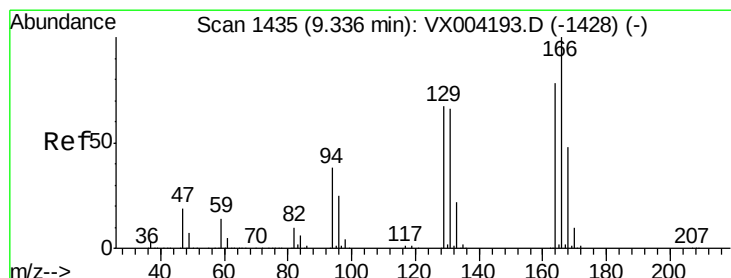
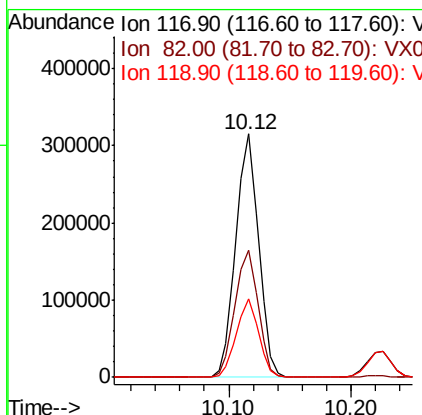
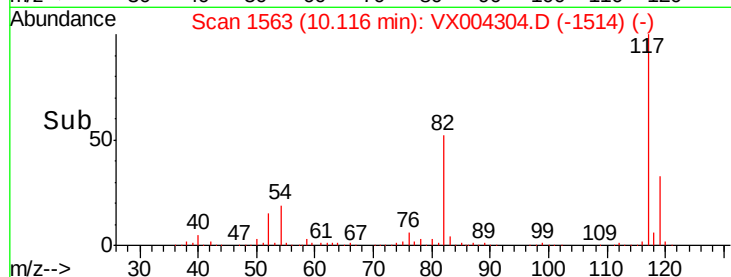
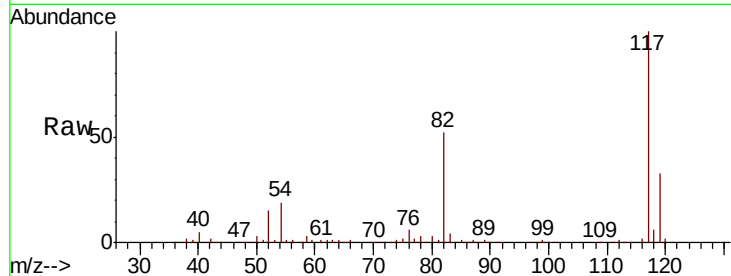
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX004304.D
Acq: 29 Aug 2018 21:11

Instrument :
MSVOA_X
ClientSampleId :
VX0829WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.2	47.8	71.6
119	32.5	29.3	43.9

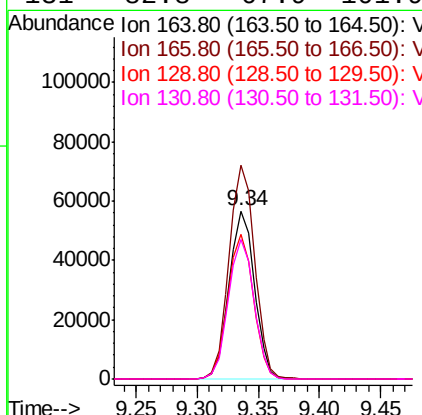
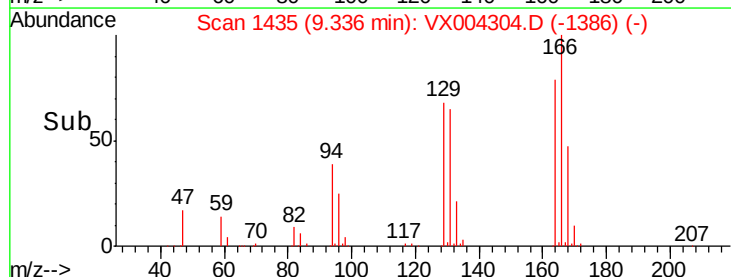
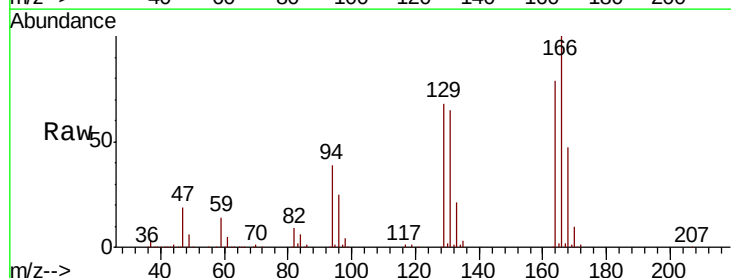
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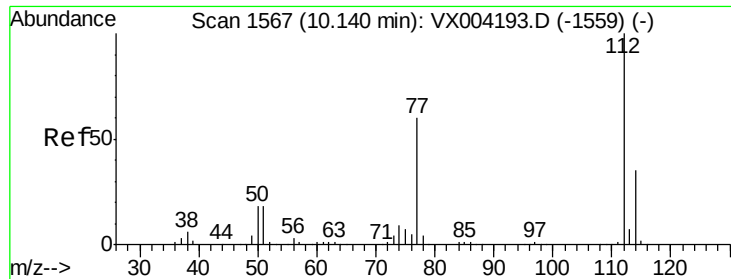
MMDadoda
8/30/2018 1:38:41 PM



#64
Tetrachloroethene
Concen: 20.31 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX004304.D
Acq: 29 Aug 2018 21:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.2	102.8	154.2
129	86.0	69.4	104.0
131	82.8	67.9	101.9





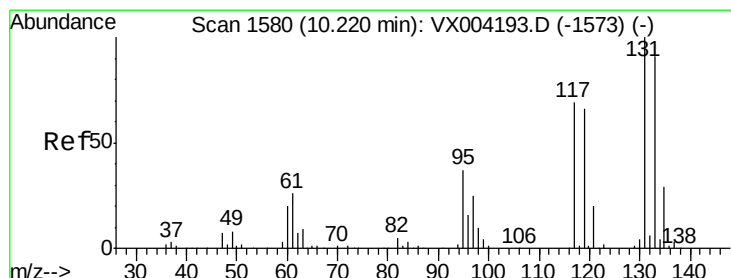
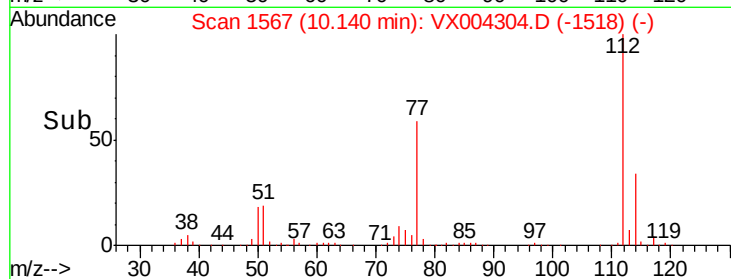
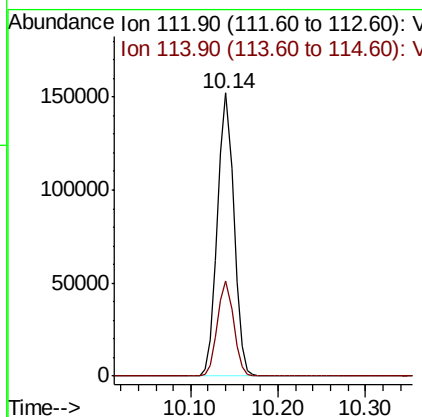
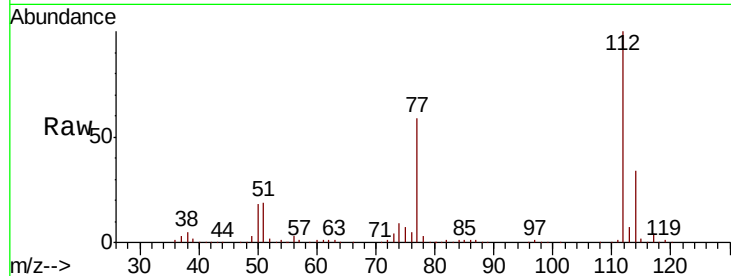
#65
Chlorobenzene
Concen: 19.43 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX004304.D
Acq: 29 Aug 2018 21:11

Instrument :
MSVOA_X
ClientSampled :
VX0829WBS02

Tot Ion:112 Resp: 198143
Ion Ratio Lower Upper
112 100
114 33.6 27.8 41.8

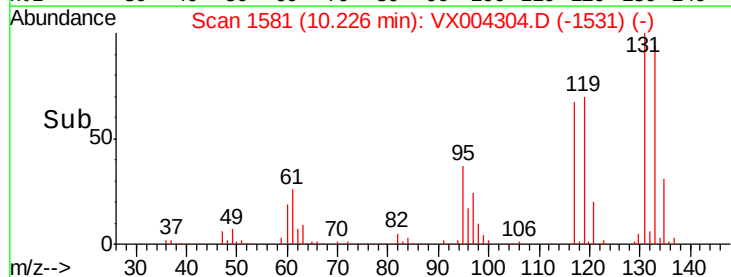
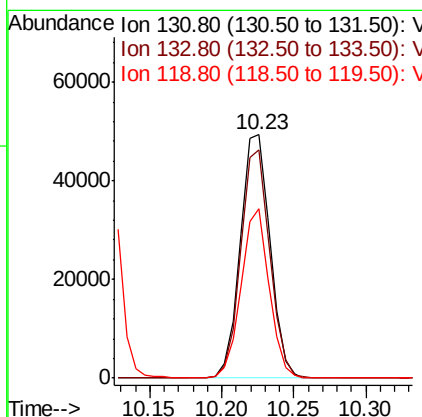
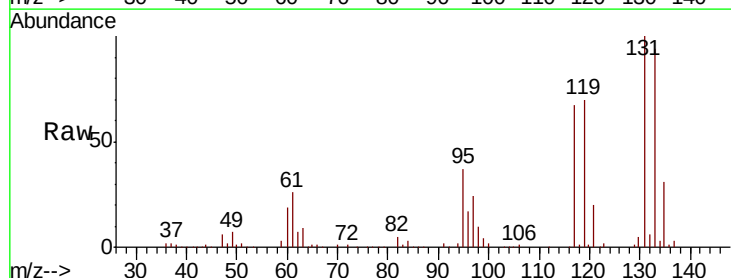
Manual Integrations
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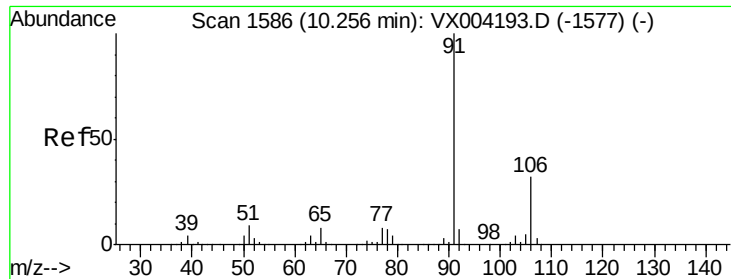
MMDadoda
8/30/2018 1:38:41 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.06 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.01 min
Lab File: VX004304.D
Acq: 29 Aug 2018 21:11

Tgt Ion:131 Resp: 70552
Ion Ratio Lower Upper
131 100
133 91.9 48.1 144.4
119 65.7 32.9 98.6





#67

Ethyl Benzene

Concen: 19.08 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX004304.D

Acq: 29 Aug 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

VX0829WBS02

Tot Ion: 91 Resp: 315912

Ion Ratio Lower Upper

91 100

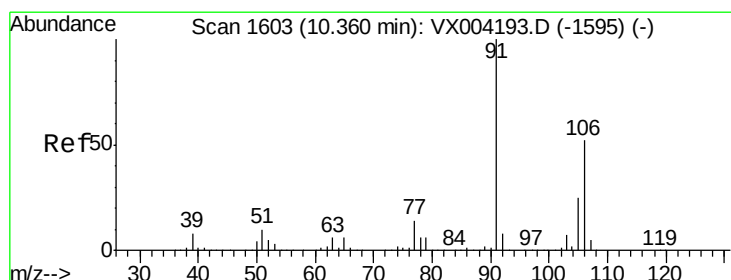
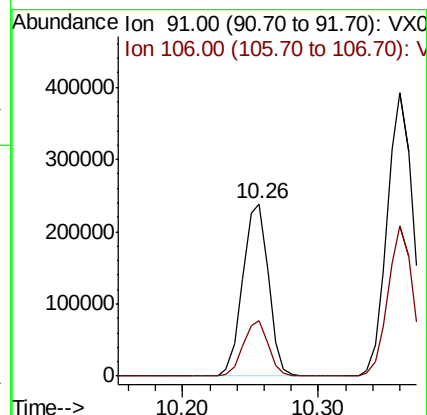
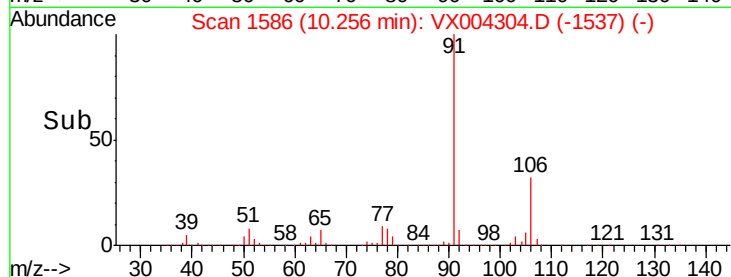
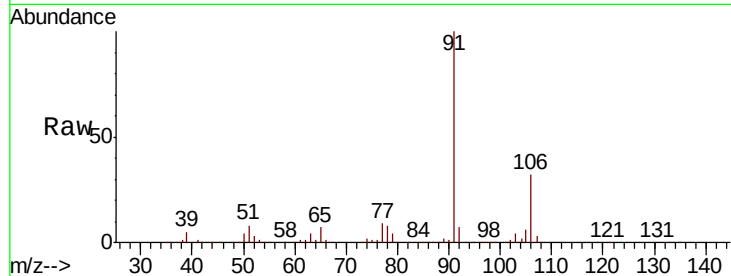
106 32.0 25.9 38.9

Manual Integrations

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MMDadoda

8/30/2018 1:38:41 PM



#68

m/p-Xylenes

Concen: 41.29 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX004304.D

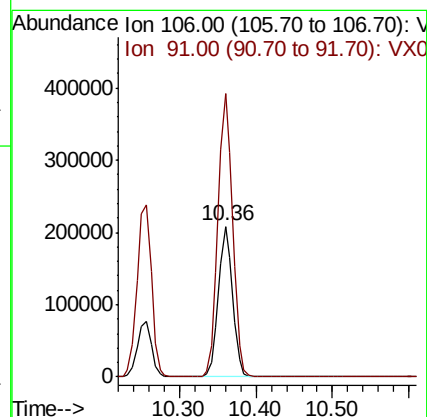
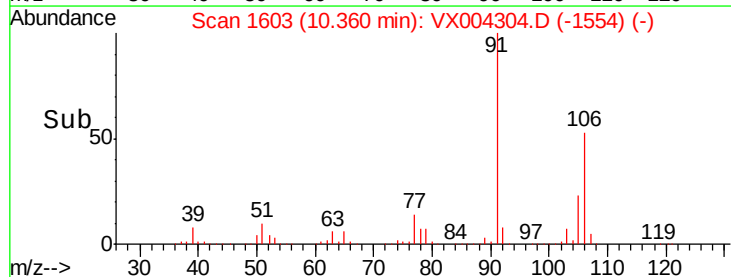
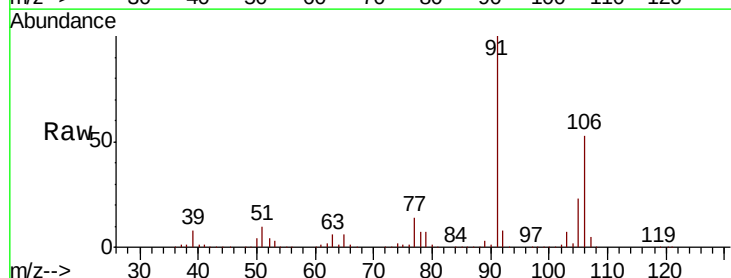
Acq: 29 Aug 2018 21:11

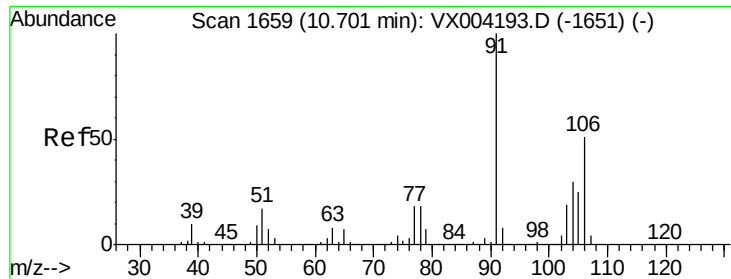
Tgt Ion: 106 Resp: 267362

Ion Ratio Lower Upper

106 100

91 194.7 157.1 235.7





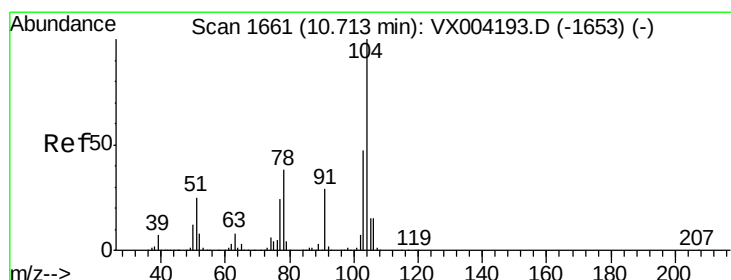
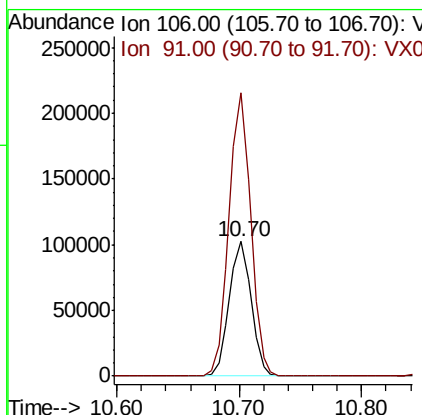
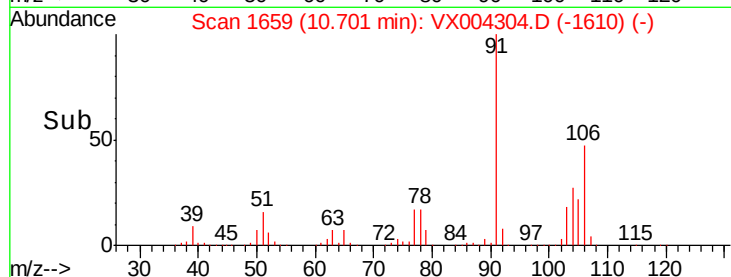
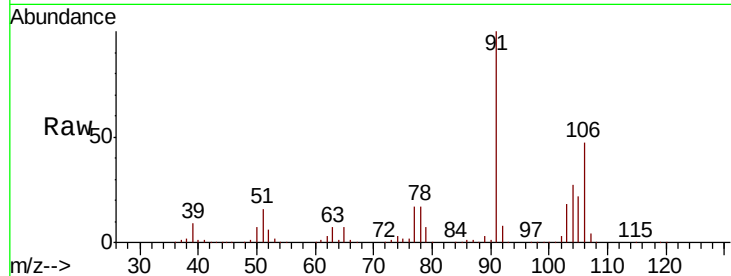
#69
o-Xylene
Concen: 20.77 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX004304.D
Acq: 29 Aug 2018 21:11

Instrument :
MSVOA_X
ClientSampleID :
VX0829WBS02

Tot Ion:106 Resp: 127249
Ion Ratio Lower Upper
106 100
91 209.1 105.1 315.1

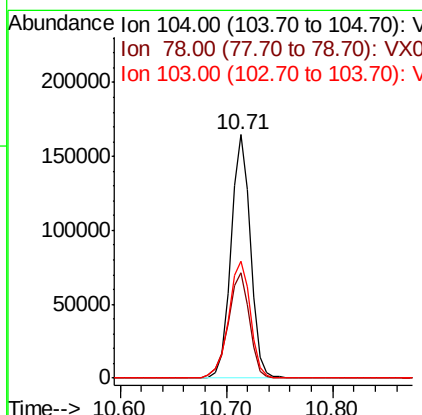
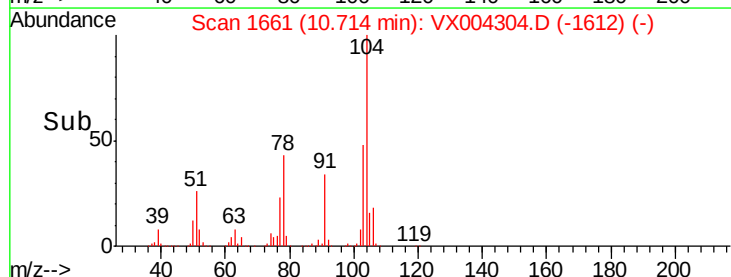
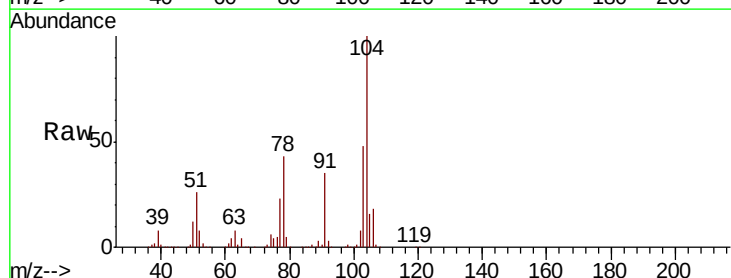
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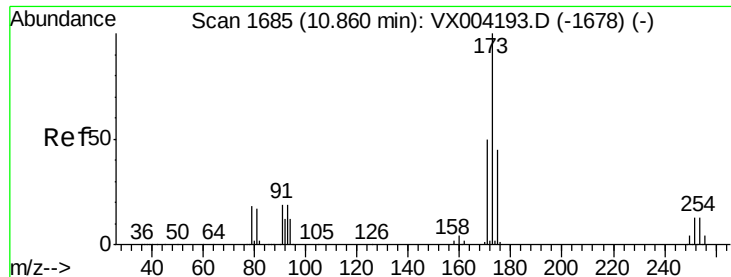
MMDadoda
8/30/2018 1:38:41 PM



#70
Styrene
Concen: 21.30 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX004304.D
Acq: 29 Aug 2018 21:11

Tgt Ion:104 Resp: 211269
Ion Ratio Lower Upper
104 100
78 47.4 37.4 56.0
103 53.8 43.8 65.6





#71

Bromoform

Concen: 19.37 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX004304.D

Acq: 29 Aug 2018 21:11

Instrument :

MSVOA_X

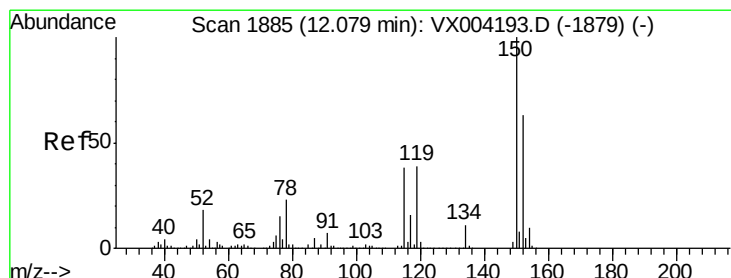
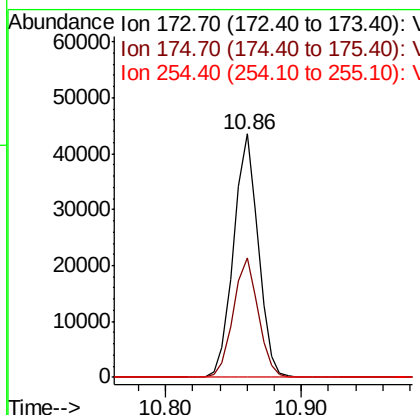
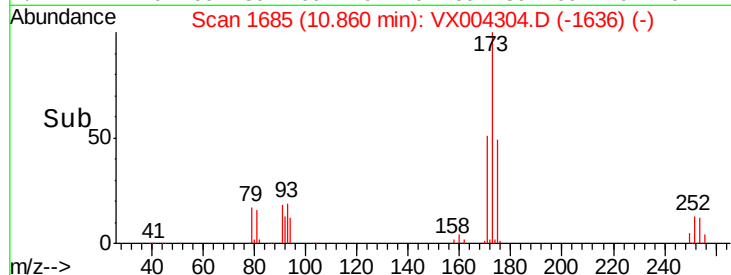
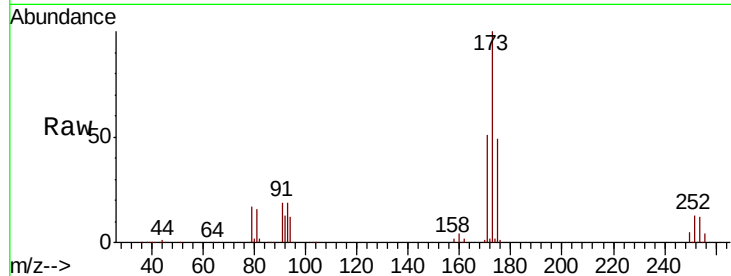
ClientSampleId :

VX0829WBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.1	72.3
254	0.1	0.2	0.2

Manual Integrations
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8/30/2018 1:38:41 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

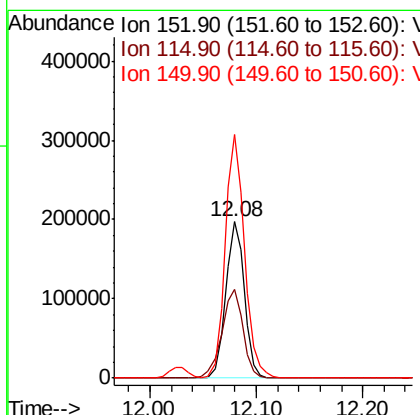
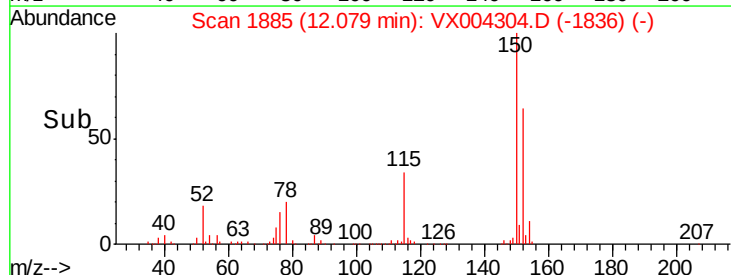
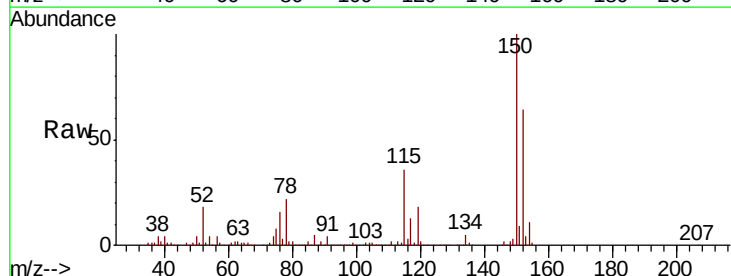
RT: 12.08 min Scan# 1885

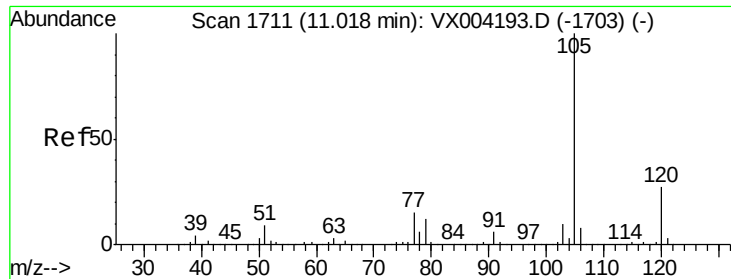
Delta R.T. 0.00 min

Lab File: VX004304.D

Acq: 29 Aug 2018 21:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.9	39.0	117.0
150	162.2	0.0	351.0





#73

Isopropylbenzene

Concen: 21.93 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX004304.D

Acq: 29 Aug 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

VX0829WBS02

Tot Ion: 105 Resp: 345267

Ion Ratio Lower Upper

105 100

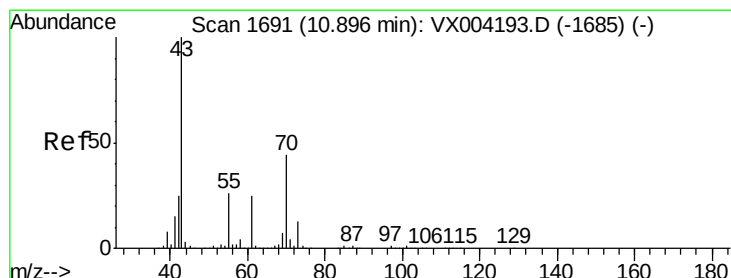
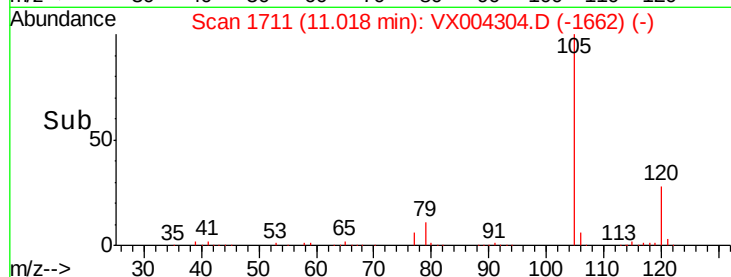
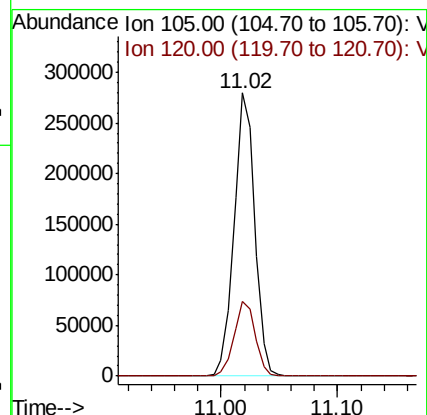
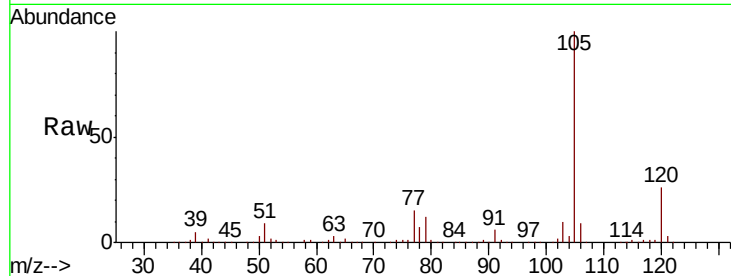
120 26.9 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 20.25 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. 0.01 min

Lab File: VX004304.D

Acq: 29 Aug 2018 21:11

Tgt Ion: 43 Resp: 122767

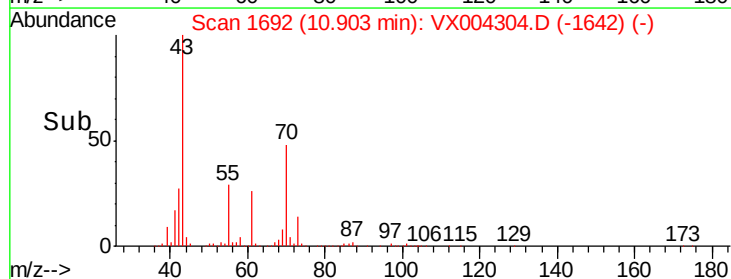
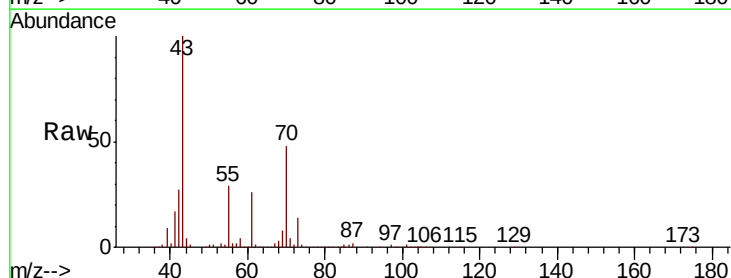
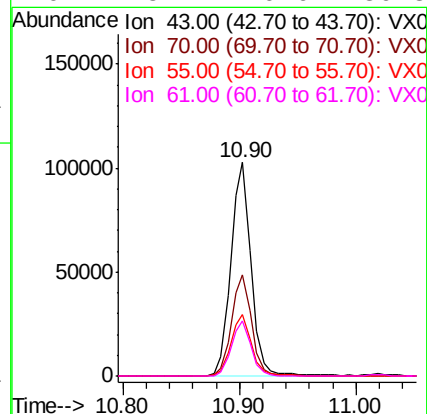
Ion Ratio Lower Upper

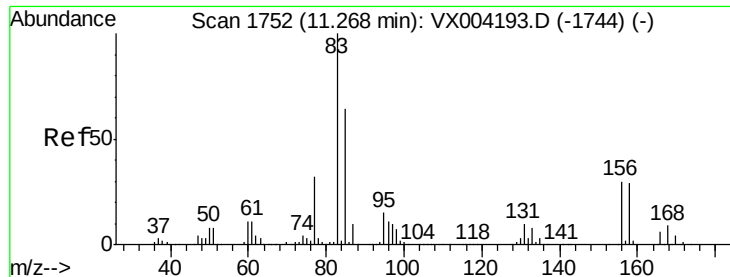
43 100

70 47.7 37.4 56.0

55 29.4 21.8 32.8

61 25.4 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 21.48 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX004304.D

Acq: 29 Aug 2018 21:11

Instrument :

MSVOA_X

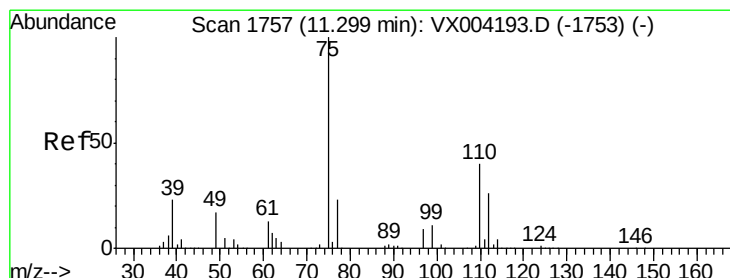
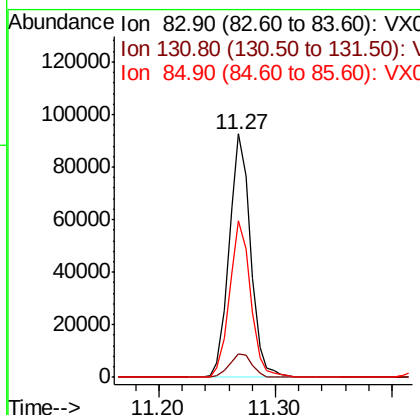
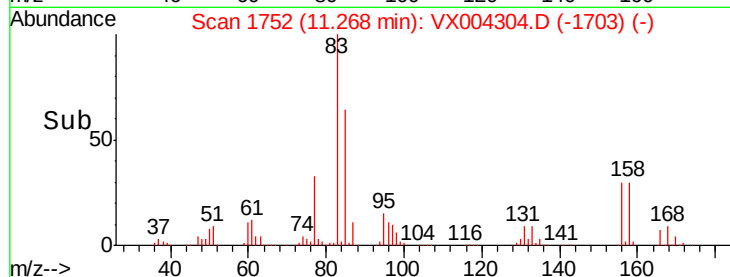
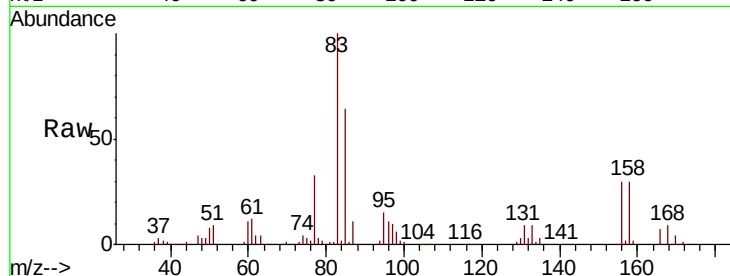
ClientSampleId :

VX0829WBS02

Tot Ion:	83	Resp:	118387
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.2	15.6
85	63.9	32.3	96.8

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8/30/2018 1:38:41 PM



#76

1,2,3-Trichloropropane

Concen: 21.48 ug/l m

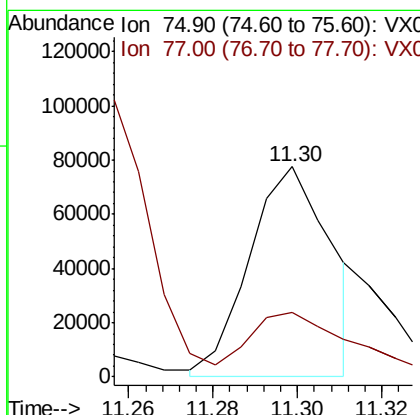
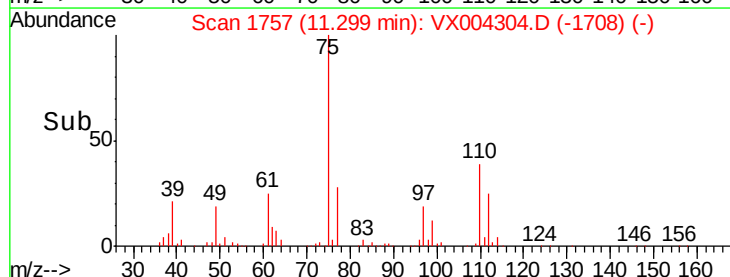
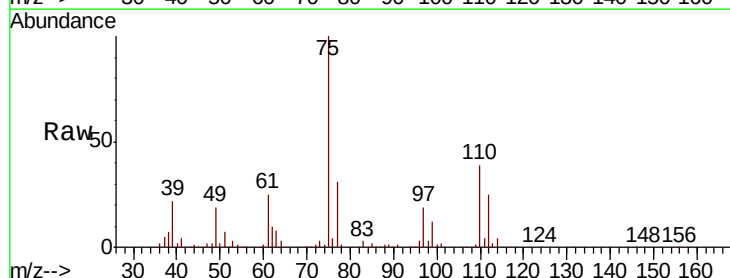
RT: 11.30 min Scan# 1757

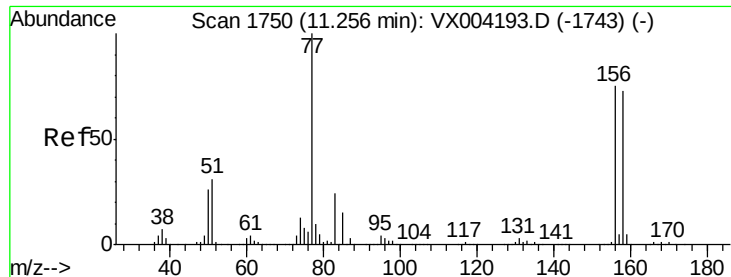
Delta R.T. 0.00 min

Lab File: VX004304.D

Acq: 29 Aug 2018 21:11

Tgt Ion:	75	Resp:	104742
Ion Ratio	Lower	Upper	
75	100		
77	38.6	20.2	60.6





#77

Bromobenzene

Concen: 21.35 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX004304.D

Acq: 29 Aug 2018 21:11

Instrument :

MSVOA_X

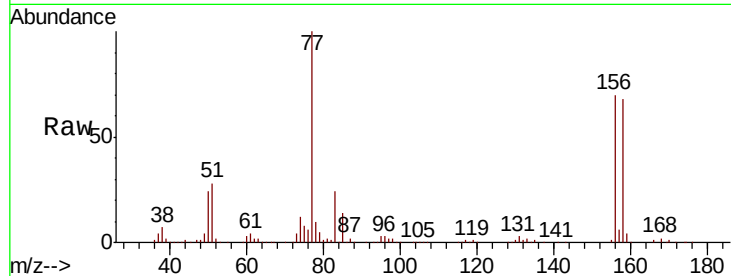
ClientSampled :

VX0829WBS02

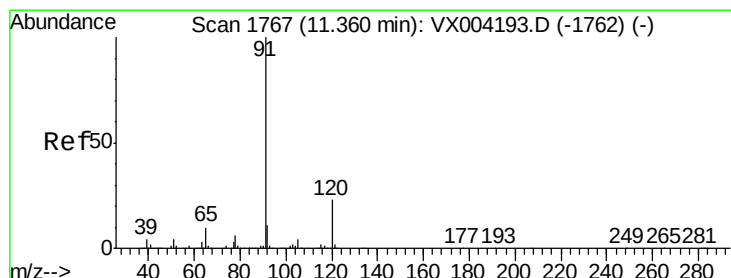
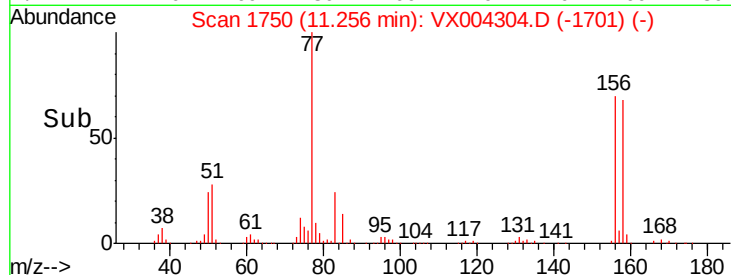
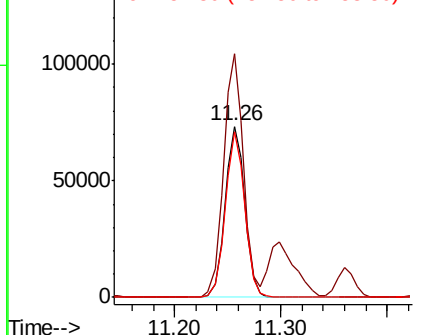
Tot Ion:	156	Resp:	94314
Ion	Ratio	Lower	Upper
156	100		
77	144.0	71.5	214.3
158	95.8	48.9	146.8

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.53 ug/l

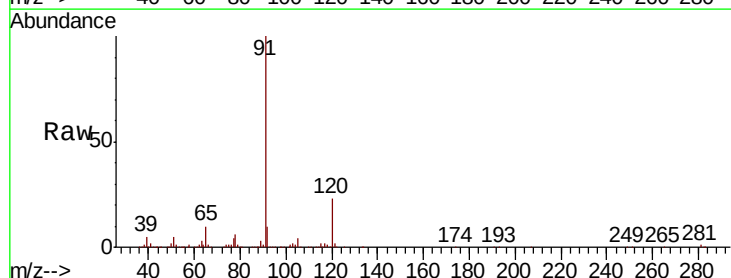
RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

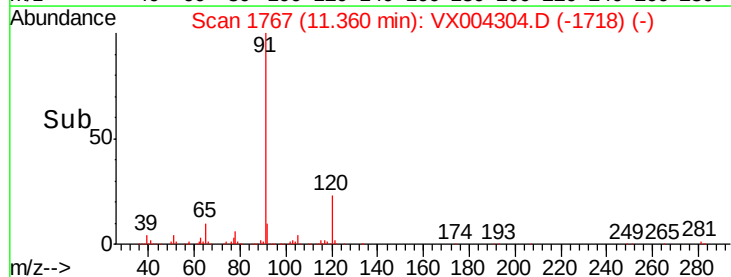
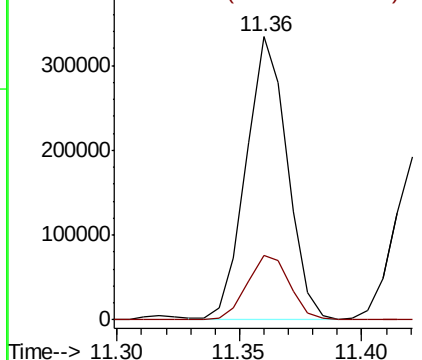
Lab File: VX004304.D

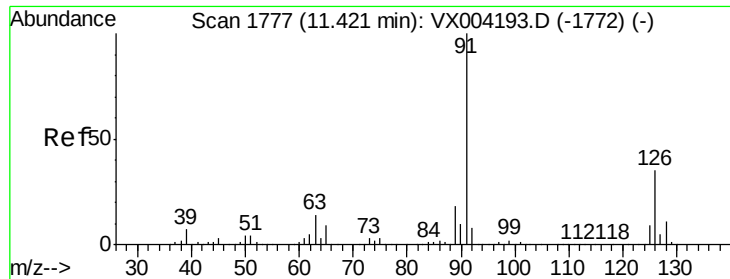
Acq: 29 Aug 2018 21:11

Tgt Ion:	91	Resp:	389937
Ion	Ratio	Lower	Upper
91	100		
120	23.8	11.9	35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





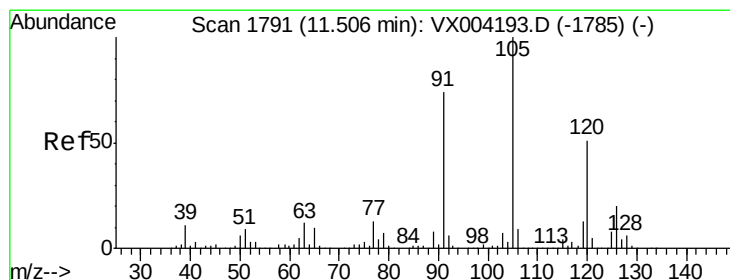
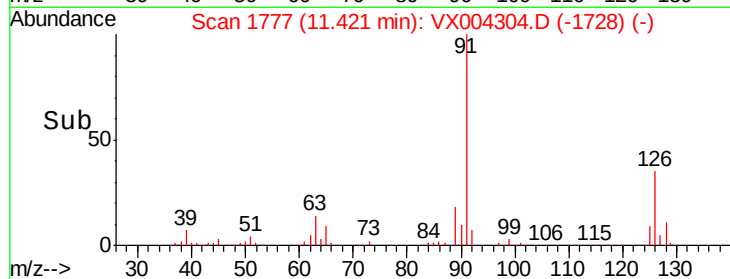
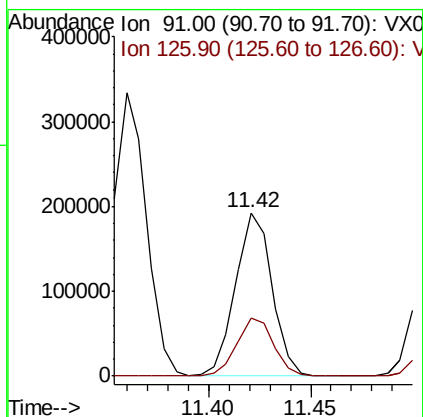
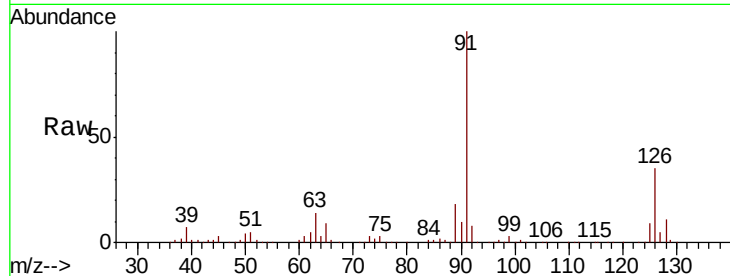
#79
 2-Chlorotoluene
 Concen: 21.27 ug/l
 RT: 11.42 min Scan# 1777
 Delta R.T. 0.00 min
 Lab File: VX004304.D
 Acq: 29 Aug 2018 21:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829WBS02

Tot Ion: 91 Resp: 237134
 Ion Ratio Lower Upper
 91 100
 126 36.2 17.9 53.7

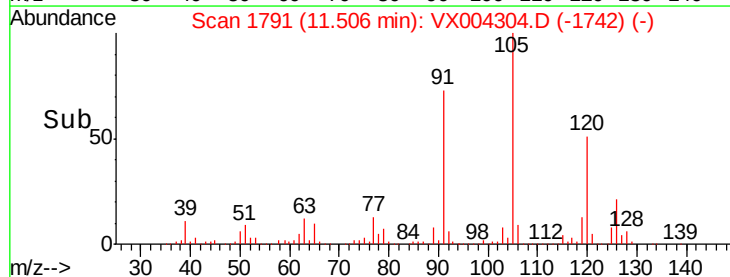
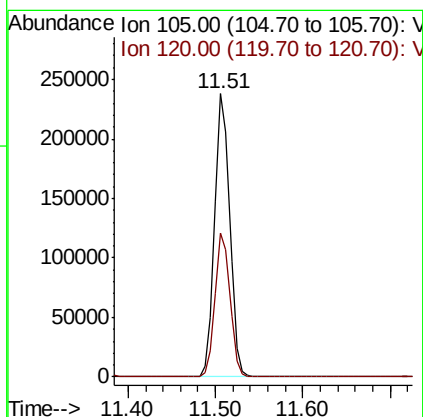
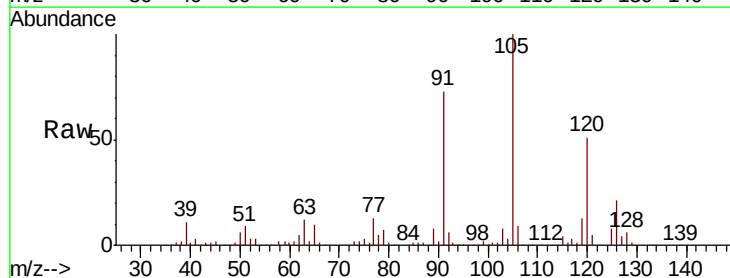
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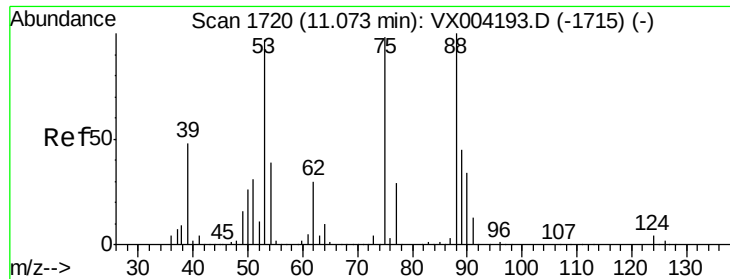
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#80
 1,3,5-Trimethylbenzene
 Concen: 21.93 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX004304.D
 Acq: 29 Aug 2018 21:11

Tgt Ion: 105 Resp: 285925
 Ion Ratio Lower Upper
 105 100
 120 50.4 25.6 76.8





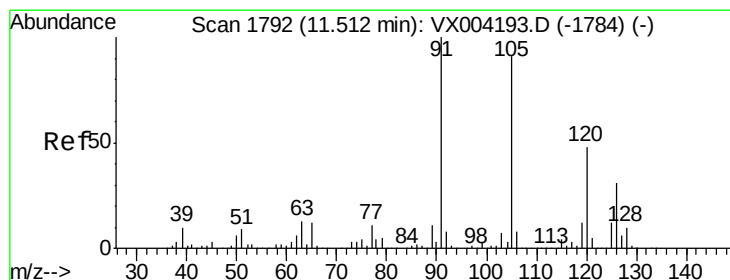
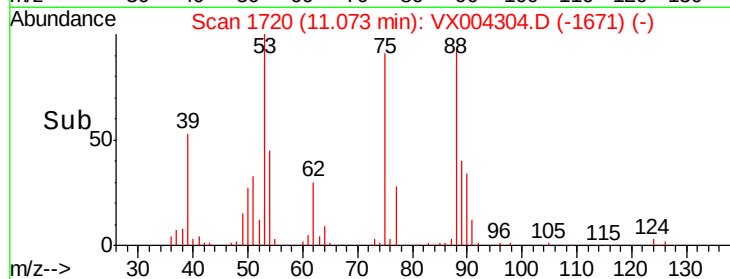
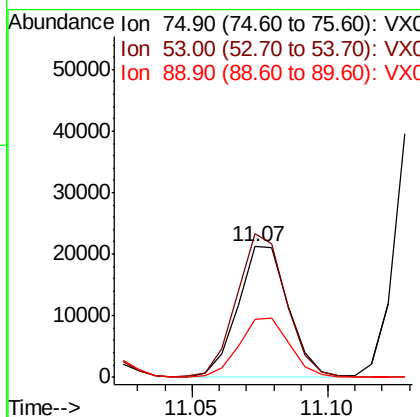
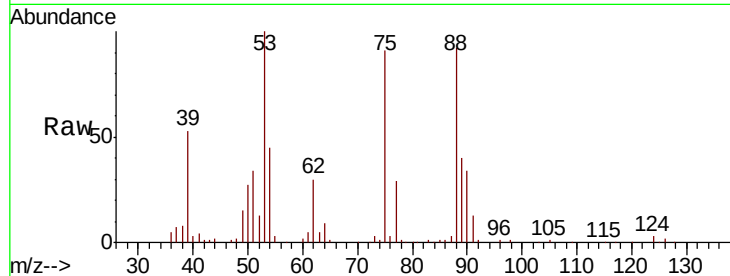
#81
trans-1,4-Dichloro-2-butene
Concen: 18.09 ug/l
RT: 11.07 min Scan# 1720
Delta R.T. 0.00 min
Lab File: VX004304.D
Acq: 29 Aug 2018 21:11

Instrument :
MSVOA_X
ClientSampleId :
VX0829WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	107.4	80.1	120.1
89	45.9	37.2	55.8

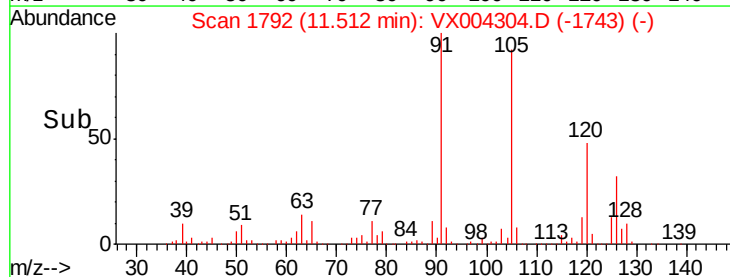
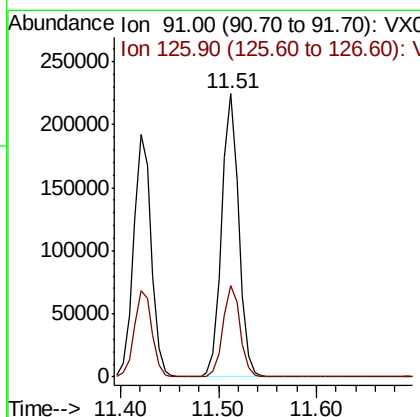
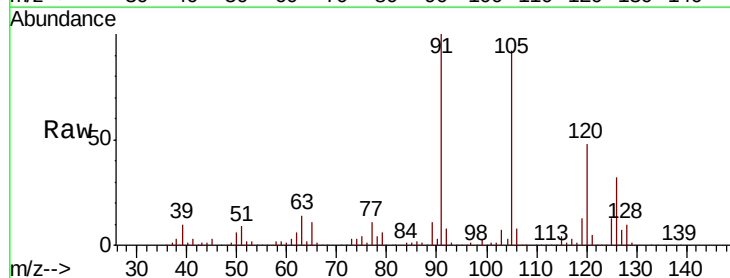
Manual Integrations
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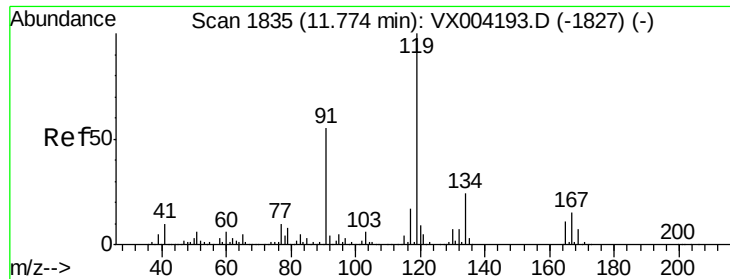
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.74 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX004304.D
Acq: 29 Aug 2018 21:11

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.2	15.5	46.5





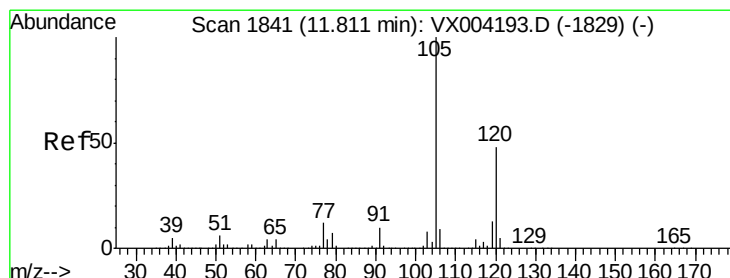
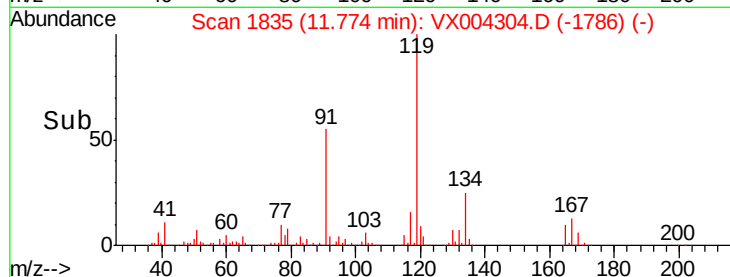
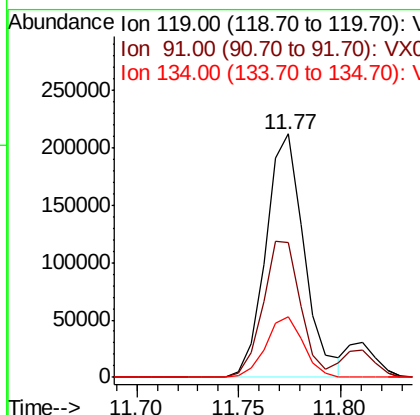
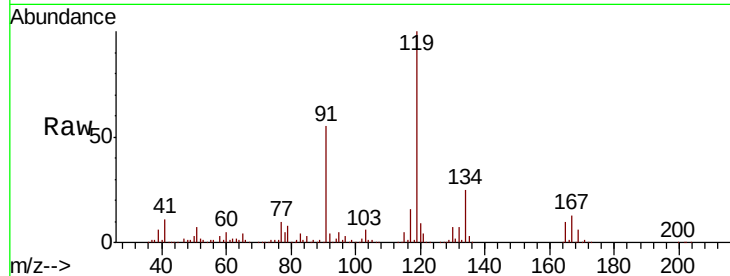
#83
 tert-Butylbenzene
 Concen: 21.20 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX004304.D
 Acq: 29 Aug 2018 21:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	278171		
91	54.8		27.0	81.0
134	24.3		11.7	35.1

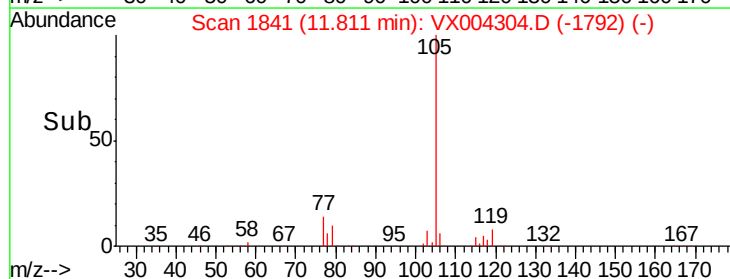
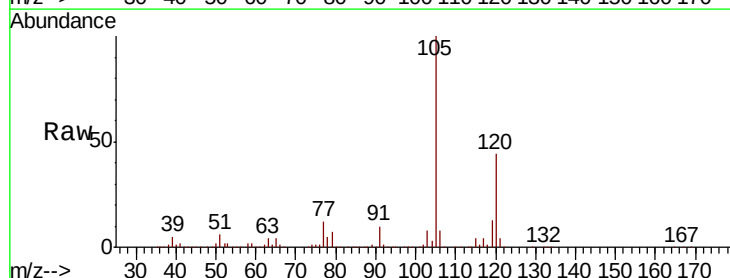
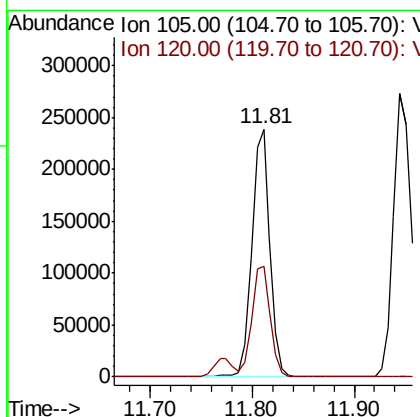
Manual Integrations
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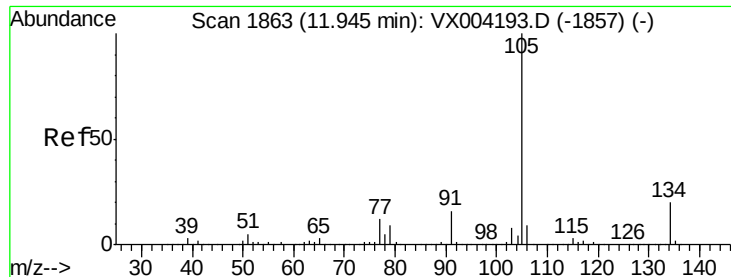
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.02 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX004304.D
 Acq: 29 Aug 2018 21:11

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	294754		
120	45.9		23.2	69.6





#85

sec-Butylbenzene

Concen: 21.13 ug/l

RT: 11.95 min Scan# 1863

Delta R.T. 0.00 min

Lab File: VX004304.D

Acq: 29 Aug 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

VX0829WBS02

Tot Ion:105 Resp: 329118

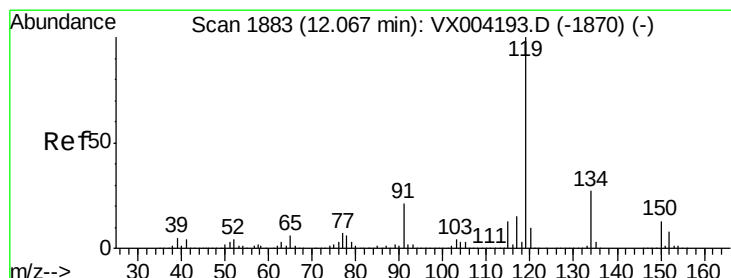
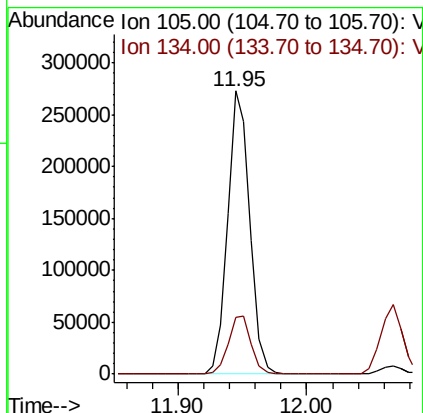
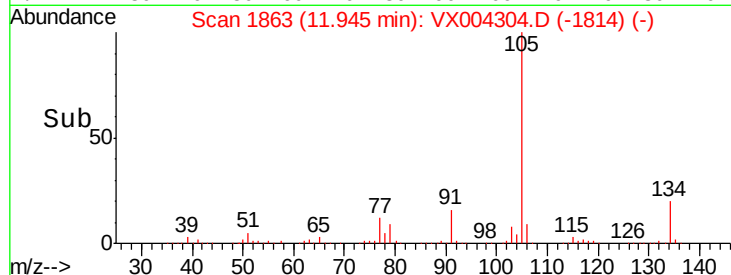
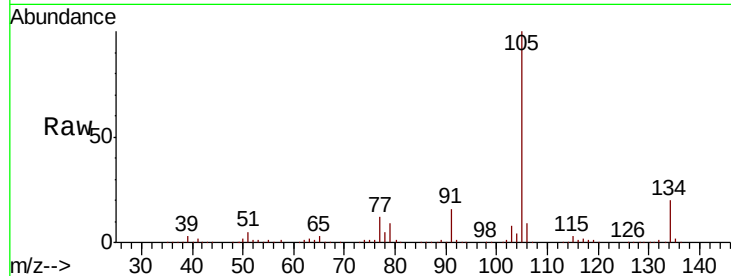
Ion Ratio Lower Upper

105 100

134 21.1 10.5 31.5

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 20.55 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX004304.D

Acq: 29 Aug 2018 21:11

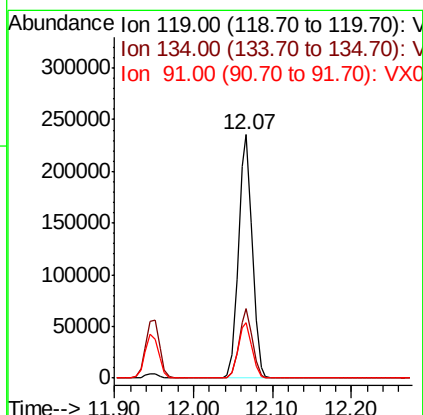
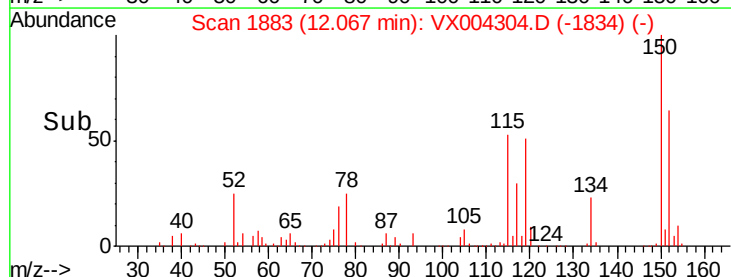
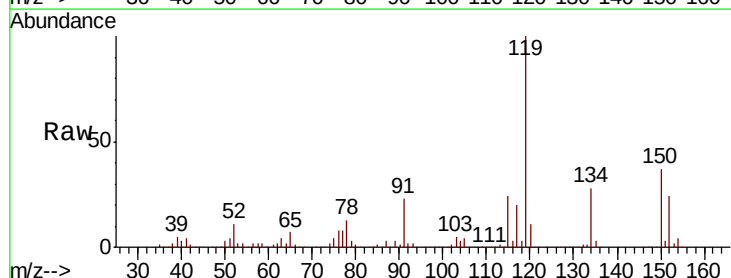
Tgt Ion:119 Resp: 286836

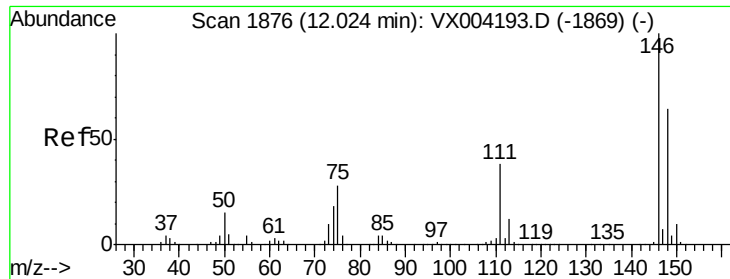
Ion Ratio Lower Upper

119 100

134 27.3 13.4 40.2

91 22.9 10.9 32.7





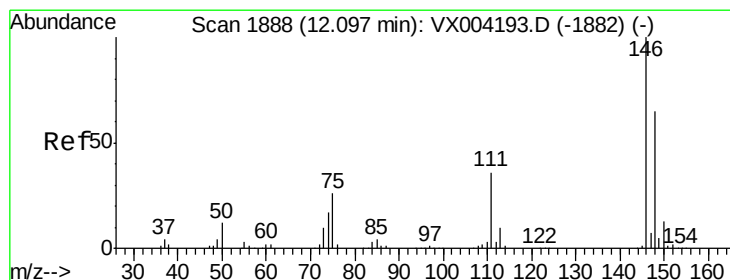
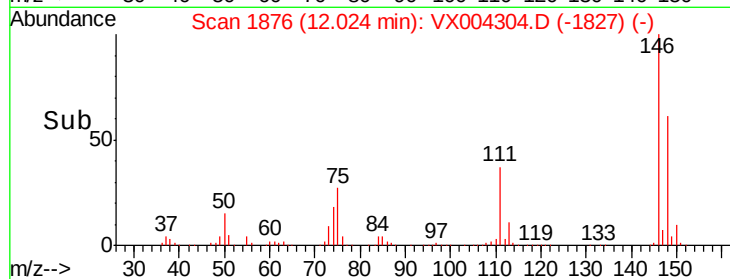
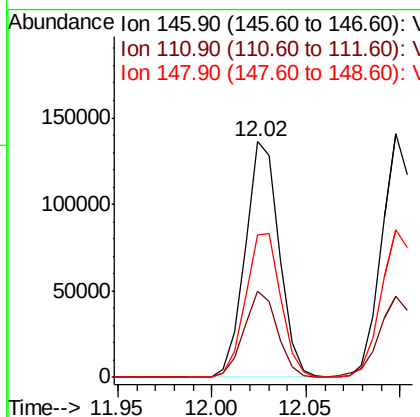
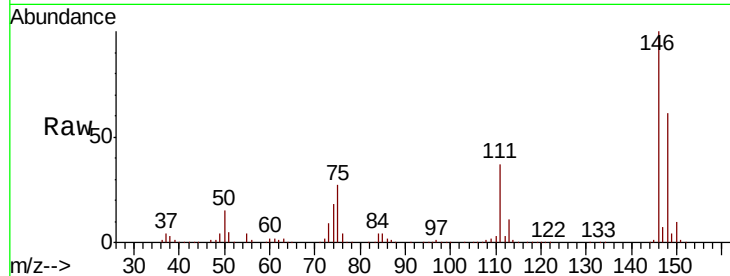
#87
 1,3-Dichlorobenzene
 Concen: 20.45 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. 0.00 min
 Lab File: VX004304.D
 Acq: 29 Aug 2018 21:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.1	18.7	56.1
148	63.6	32.1	96.5

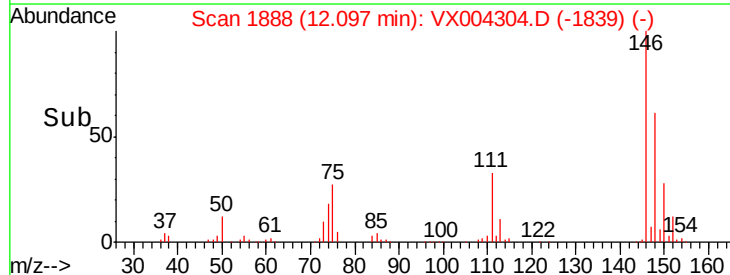
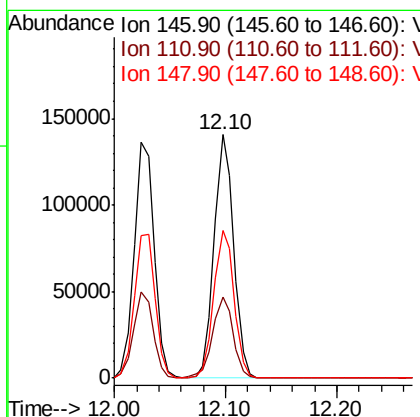
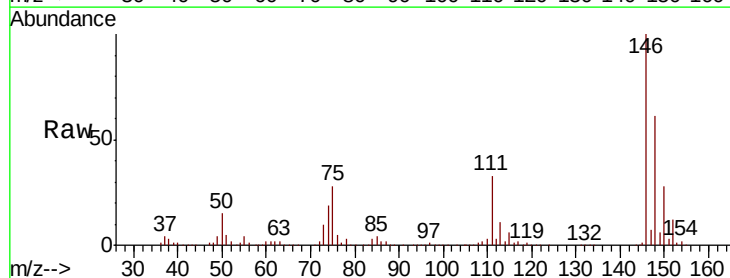
Manual Integrations
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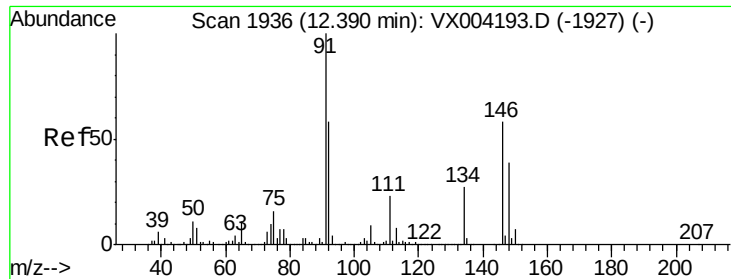
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#88
 1,4-Dichlorobenzene
 Concen: 19.51 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: VX004304.D
 Acq: 29 Aug 2018 21:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.2	18.1	54.1
148	63.0	32.0	96.0





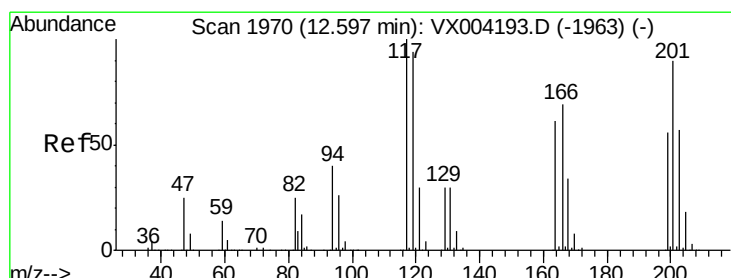
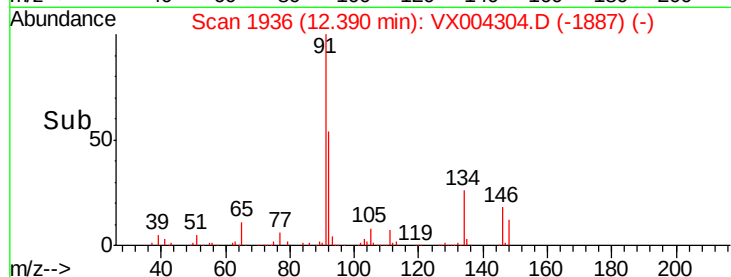
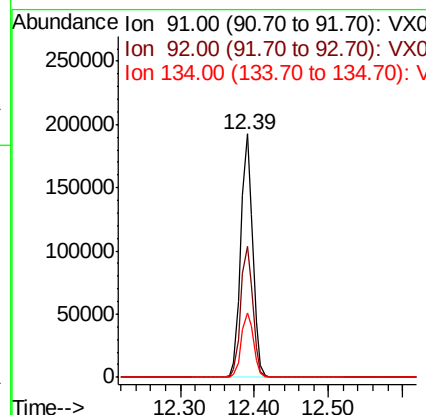
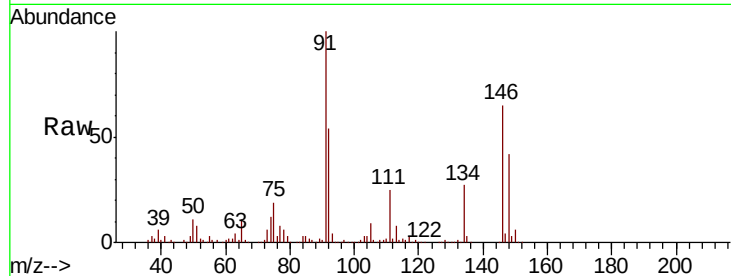
#89
n-Butylbenzene
Concen: 19.26 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX004304.D
Acq: 29 Aug 2018 21:11

Instrument :
MSVOA_X
ClientSampleId :
VX0829WBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	218664		
92	54.7	27.3	81.9	
134	27.1	13.6	40.7	

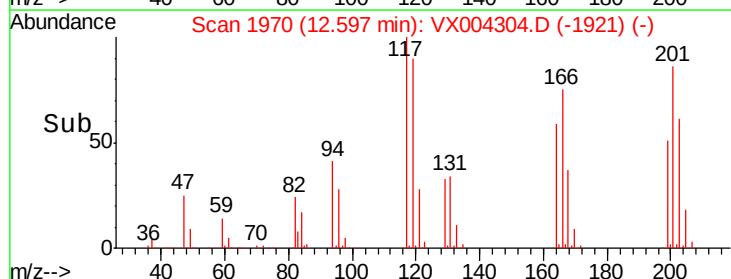
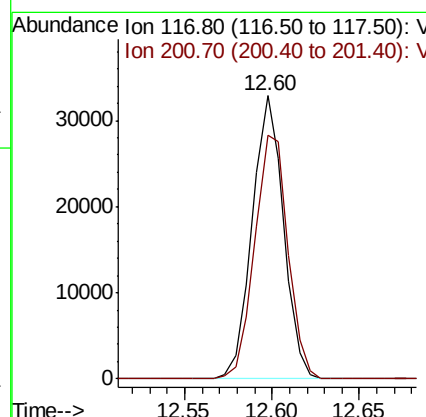
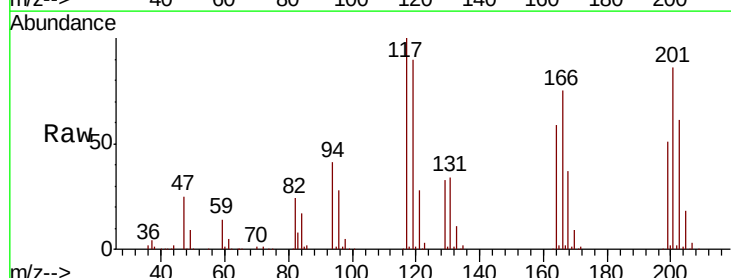
Manual Integrations
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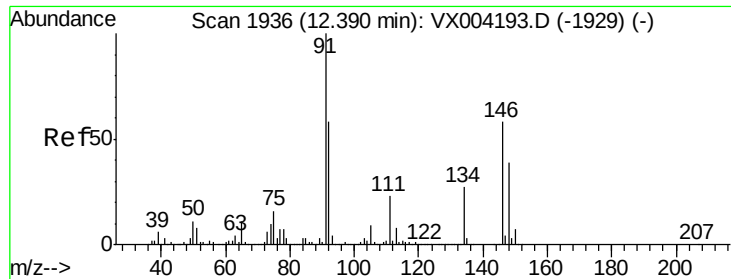
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#90
Hexachloroethane
Concen: 20.95 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX004304.D
Acq: 29 Aug 2018 21:11

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	40878		
201	91.3	46.9	140.6	





#91

1,2-Dichlorobenzene

Concen: 20.70 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VX004304.D

Acq: 29 Aug 2018 21:11

Instrument :

MSVOA_X

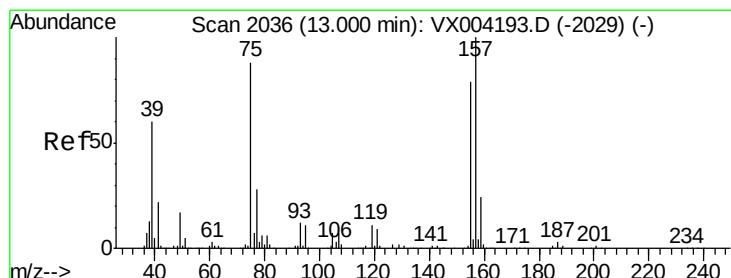
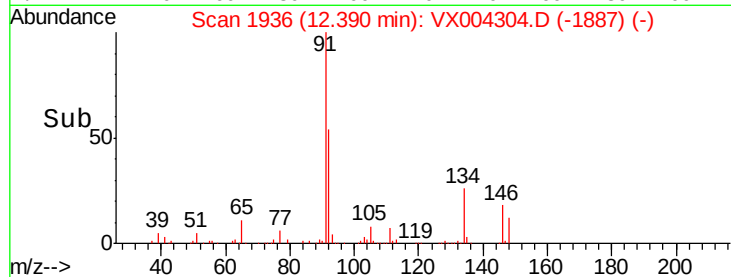
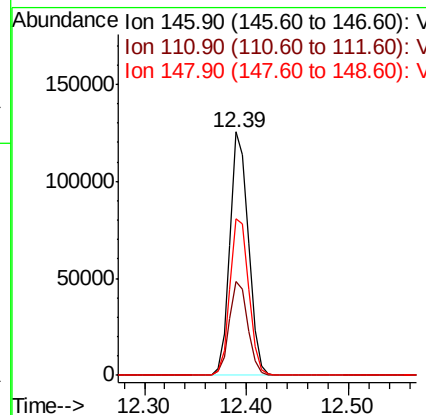
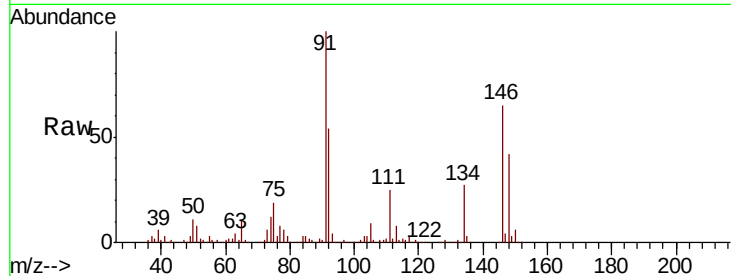
ClientSampleId :

VX0829WBS02

Tot Ion:	146	Resp:	157363
Ion Ratio	Lower	Upper	
146	100		
111	38.6	19.4	58.1
148	65.6	32.8	98.3

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.23 ug/l

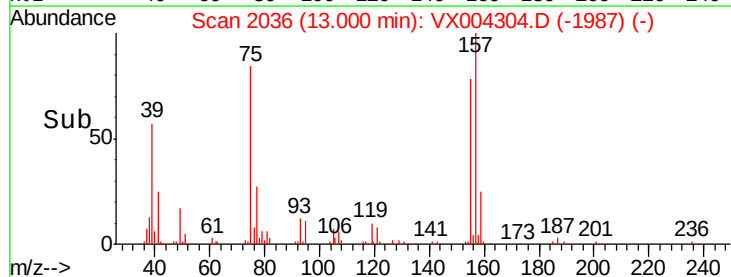
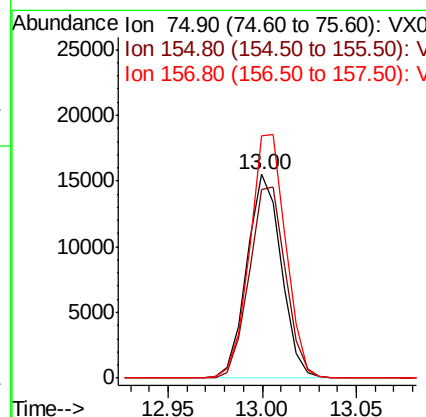
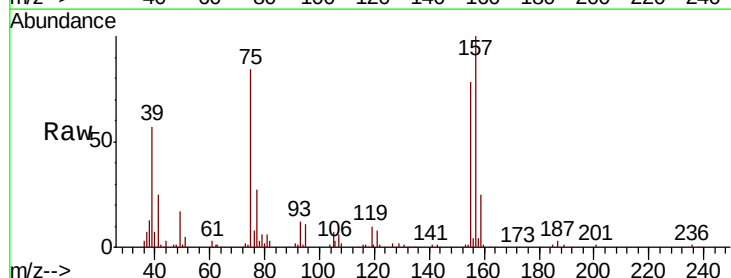
RT: 13.00 min Scan# 2036

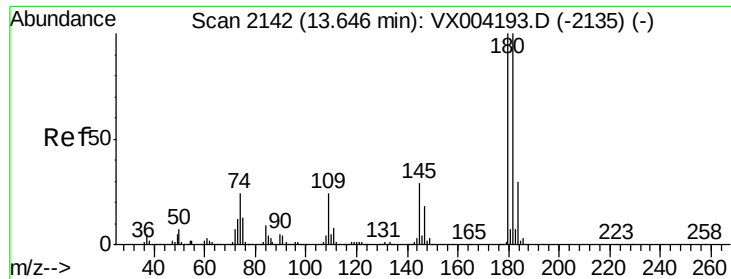
Delta R.T. 0.00 min

Lab File: VX004304.D

Acq: 29 Aug 2018 21:11

Tgt Ion:	75	Resp:	19639
Ion Ratio	Lower	Upper	
75	100		
155	98.6	48.0	144.2
157	125.0	61.4	184.1





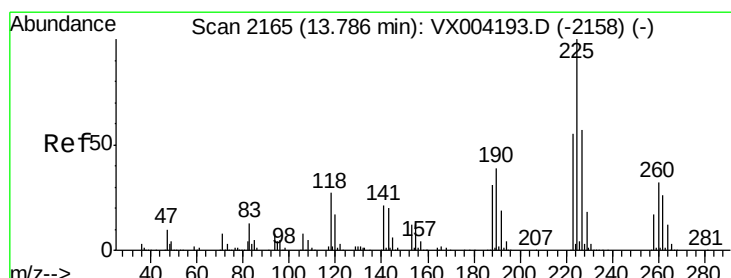
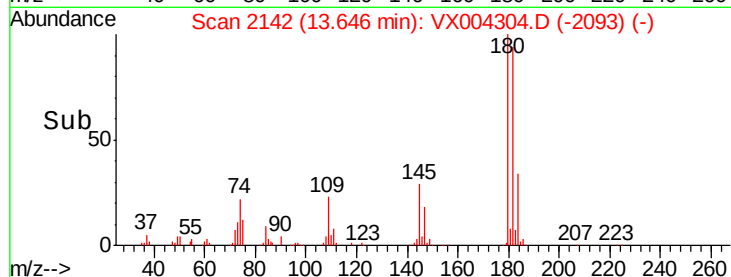
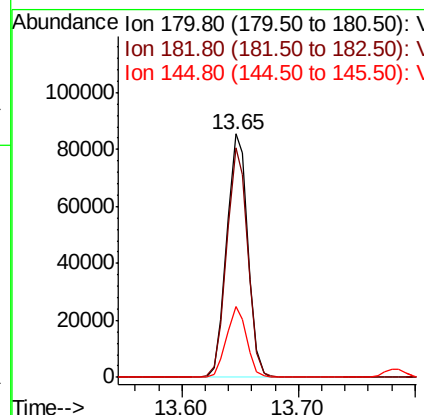
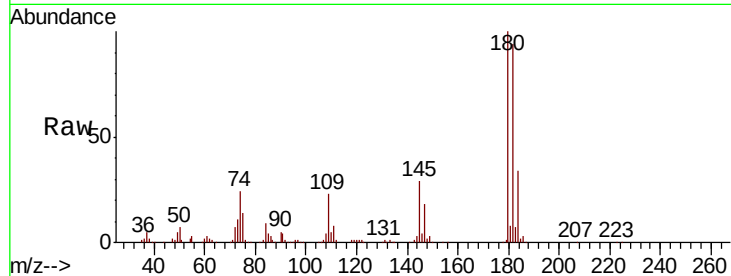
#93
 1,2,4-Trichlorobenzene
 Concen: 19.28 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX004304.D
 Acq: 29 Aug 2018 21:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	106644		
182	93.5	48.4	145.0	
145	27.9	14.3	42.9	

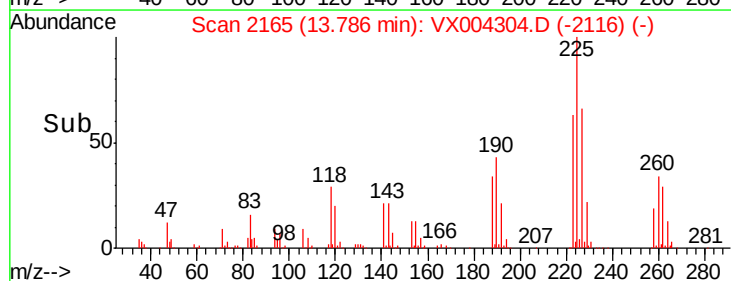
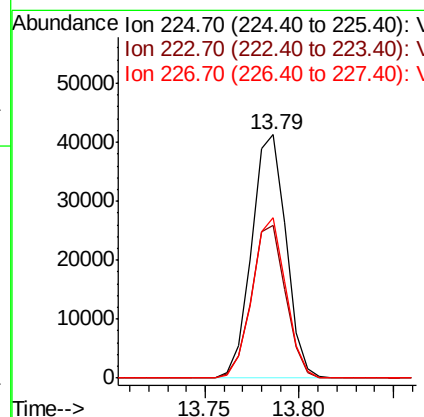
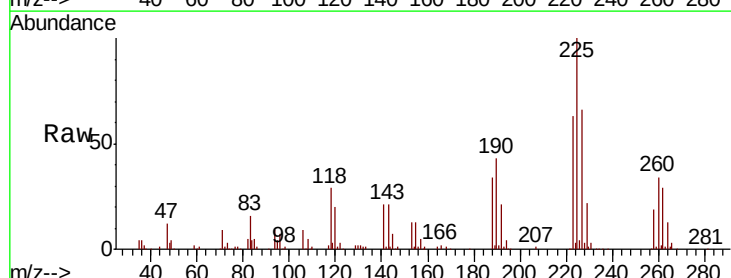
Manual Integrations
 APPROVED

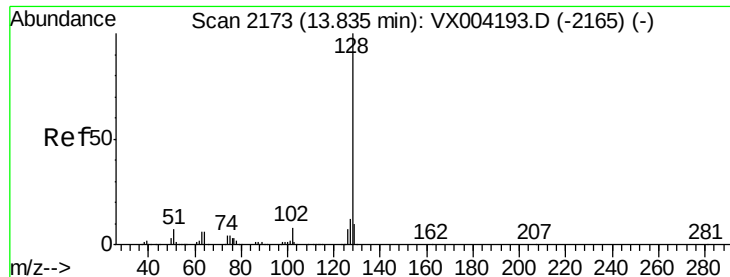
MMDadoda
 8/30/2018 1:38:41 PM



#94
 Hexachlorobutadiene
 Concen: 20.22 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX004304.D
 Acq: 29 Aug 2018 21:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	52232		
223	62.3	30.1	90.5	
227	64.1	30.8	92.4	





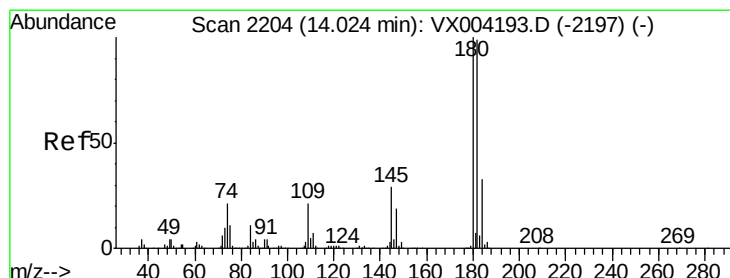
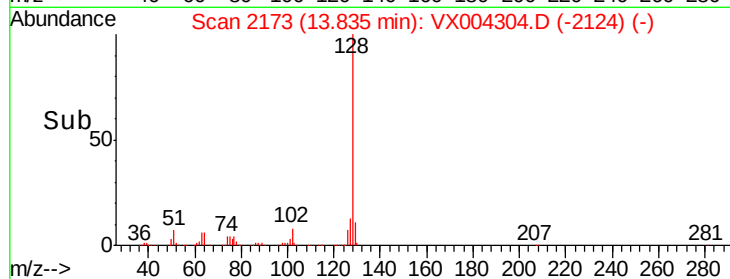
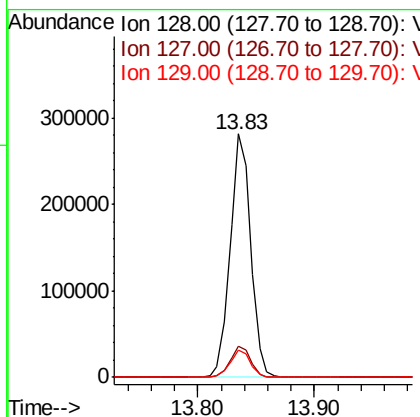
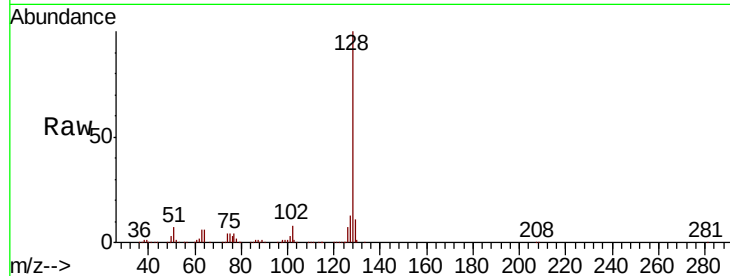
#95
Naphthalene
Concen: 22.19 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX004304.D
Acq: 29 Aug 2018 21:11

Instrument :
MSVOA_X
ClientSampleId :
VX0829WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100				
127	12.8		10.2	15.2	
129	11.1		8.6	12.8	

Manual Integrations
APPROVED

MMDadoda
8/30/2018 1:38:41 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.04 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX004304.D
Acq: 29 Aug 2018 21:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100				
182	95.1		48.5	145.6	
145	29.3		14.9	44.9	

