

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101218\
 Data File : VX005310.D
 Acq On : 12 Oct 2018 23:38
 Operator : JC/MD
 Sample : VX1012WBS02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1012WBS02

Manual Integrations
 APPROVED

MMDadoda
 10/17/2018 1:58:33 PM

Quant Time: Oct 13 05:03:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	256210	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	349223	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	328930	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	184341	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	140454	49.39	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	98.78%	
35) Dibromofluoromethane	5.49	113	115958	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
50) Toluene-d8	8.71	98	409976	51.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.26%	
62) 4-Bromofluorobenzene	11.14	95	147083	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	41480	20.71	ug/l	98
3) Chloromethane	1.32	50	60394	20.81	ug/l	99
4) Vinyl Chloride	1.40	62	63931	21.74	ug/l	93
5) Bromomethane	1.64	94	33613	20.59	ug/l	92
6) Chloroethane	1.72	64	37612	20.63	ug/l	100
7) Trichlorofluoromethane	1.93	101	85315	21.74	ug/l	91
8) Diethyl Ether	2.19	74	34451	20.56	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.39	101	45836	20.24	ug/l	93
10) Methyl Iodide	2.51	142	50722	21.90	ug/l	99
11) Tert butyl alcohol	3.07	59	82772	103.19	ug/l	98
12) 1,1-Dichloroethene	2.37	96	47319	21.09	ug/l #	84
13) Acrolein	2.29	56	47668	91.76	ug/l	91
14) Allyl chloride	2.73	41	95246	19.33	ug/l	96
15) Acrylonitrile	3.15	53	171213	94.19	ug/l	95
16) Acetone	2.45	43	158325	96.30	ug/l	94
17) Carbon Disulfide	2.57	76	148465	21.84	ug/l	97
18) Methyl Acetate	2.78	43	97962	20.94	ug/l	93
19) Methyl tert-butyl Ether	3.21	73	164105	20.76	ug/l	96
20) Methylene Chloride	2.85	84	56903	23.05	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	50731	20.40	ug/l	94
22) Diisopropyl ether	3.87	45	171632	20.74	ug/l #	86
23) Vinyl Acetate	3.82	43	745588	103.09	ug/l	97
24) 1,1-Dichloroethane	3.70	63	97629	20.59	ug/l	97
25) 2-Butanone	4.70	43	250155	103.99	ug/l #	83
26) 2,2-Dichloropropane	4.59	77	54787	15.45	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	52950	19.59	ug/l	92
28) Bromochloromethane	5.02	49	47133	21.80	ug/l	87
29) Tetrahydrofuran	5.15	42	156623	102.07	ug/l	92
30) Chloroform	5.22	83	91878	20.87	ug/l	92
31) Cyclohexane	5.58	56	80494	20.59	ug/l #	87
32) 1,1,1-Trichloroethane	5.49	97	75937	19.83	ug/l	98
36) 1,1-Dichloropropene	5.80	75	64808	19.16	ug/l	97
37) Ethyl Acetate	4.85	43	87693	20.16	ug/l	98
38) Carbon Tetrachloride	5.78	117	65761	19.35	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	66764	18.24	ug/l	95
40) Benzene	6.15	78	196986	19.42	ug/l	99
41) Methacrylonitrile	5.05	41	48898	20.97	ug/l	98
42) 1,2-Dichloroethane	6.20	62	71852	20.06	ug/l	98
43) Isopropyl Acetate	6.47	43	123554	21.32	ug/l	94
44) Trichloroethene	7.21	130	50894	19.26	ug/l	98
45) 1,2-Dichloropropane	7.52	63	49624	19.94	ug/l	98
46) Dibromomethane	7.66	93	31983	19.47	ug/l	99
47) Bromodichloromethane	7.90	83	60221	19.82	ug/l	98
48) Methyl methacrylate	7.77	41	58539	19.48	ug/l	95
49) 1,4-Dioxane	7.75	88	27431	395.76	ug/l	94
51) 4-Methyl-2-Pentanone	8.65	43	406272	101.27	ug/l	94
52) Toluene	8.79	92	115655	20.84	ug/l	96
53) t-1,3-Dichloropropene	9.04	75	62098	18.89	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	69483	19.50	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	48740	20.73	ug/l	97
56) Ethyl methacrylate	9.18	69	68493	19.98	ug/l	95
57) 1,3-Dichloropropane	9.37	76	79792	20.33	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	213046	110.84	ug/l	95
59) 2-Hexanone	9.49	43	316538	98.08	ug/l	93
60) Dibromochloromethane	9.59	129	48418	19.92	ug/l	99
61) 1,2-Dibromoethane	9.67	107	49653	20.12	ug/l	99
64) Tetrachloroethene	9.34	164	52855	19.96	ug/l	98
65) Chlorobenzene	10.14	112	129484	18.51	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.22	131	47184	18.92	ug/l	99
67) Ethyl Benzene	10.25	91	214677	18.87	ug/l	97
68) m/p-Xylenes	10.36	106	169688	38.44	ug/l	96
69) o-Xylene	10.70	106	80762	18.97	ug/l	97
70) Styrene	10.71	104	135358	19.33	ug/l	97
71) Bromoform	10.86	173	39813	17.87	ug/l #	98
73) Isopropylbenzene	11.02	105	220118	20.09	ug/l	100
74) N-amyl acetate	10.90	43	98405	18.62	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.27	83	75981	18.38	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	71265m	19.93	ug/l	
77) Bromobenzene	11.26	156	60767	19.39	ug/l	99
78) n-propylbenzene	11.36	91	249726	19.80	ug/l	100
79) 2-Chlorotoluene	11.42	91	152932	19.80	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	187481	19.98	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	19228	16.34	ug/l	96
82) 4-Chlorotoluene	11.51	91	178910	19.54	ug/l	100
83) tert-Butylbenzene	11.77	119	182586	19.21	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	193895	20.08	ug/l	99
85) sec-Butylbenzene	11.94	105	224044	19.92	ug/l	99
86) p-Isopropyltoluene	12.07	119	199474	19.62	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	112642	19.24	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	113296	18.92	ug/l	98
89) n-Butylbenzene	12.39	91	167631	18.16	ug/l	98
90) Hexachloroethane	12.60	117	31208	17.82	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	113518	19.00	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	18295	18.14	ug/l	96

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ClientSampleId :
VX1012WBS02

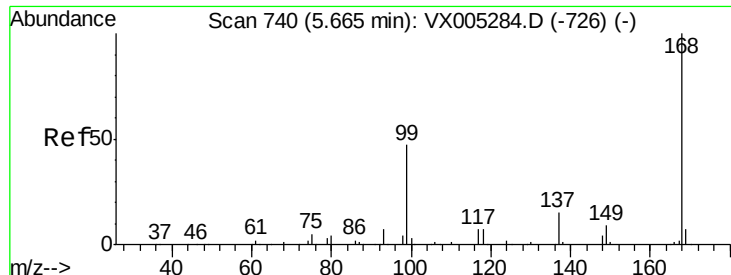
Manual Integrations
APPROVED

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10/17/2018 1:58:33 PM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	82327	18.78	ug/l	99
94) Hexachlorobutadiene	13.79	225	43019	18.58	ug/l	97
95) Naphthalene	13.83	128	248705	19.56	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	85263	19.01	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.01 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

Instrument :

MSVOA_X

ClientSampleId :

VX1012WBS02

Tgt Ion: 168 Resp: 256210

Ion Ratio Lower Upper

168 100

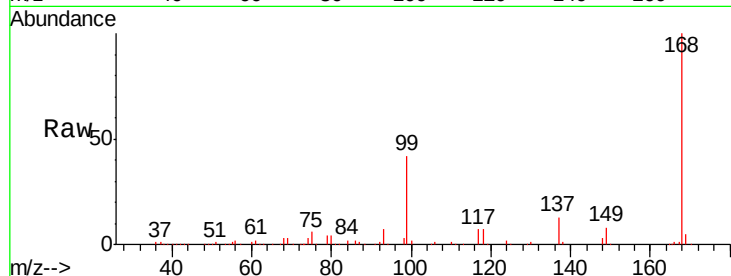
99 41.8 39.9 59.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

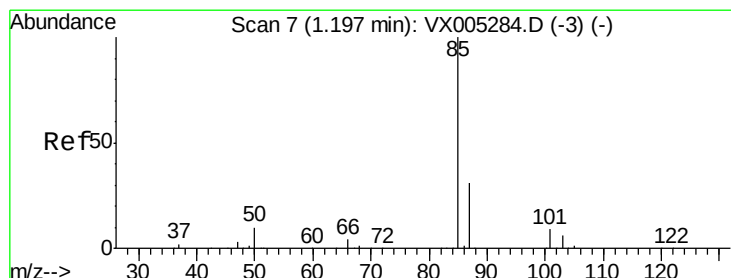
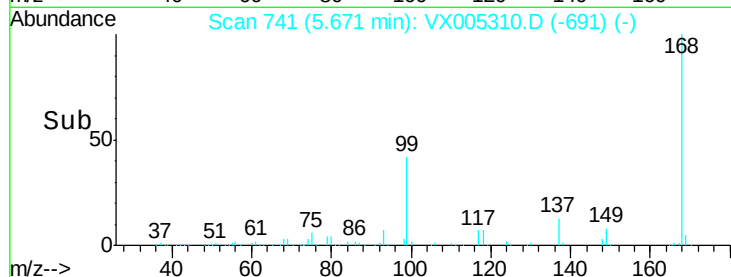
40000

20000

0

5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.71 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX005310.D

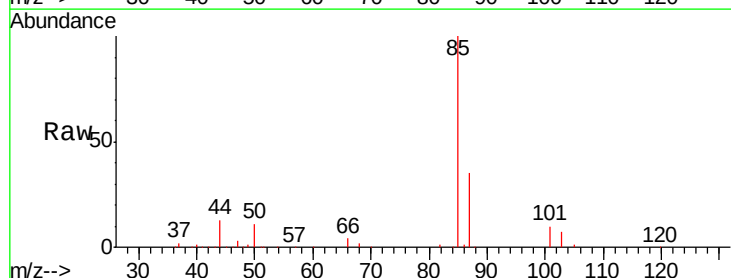
Acq: 12 Oct 2018 23:38

Tgt Ion: 85 Resp: 41480

Ion Ratio Lower Upper

85 100

87 35.2 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

40000

30000

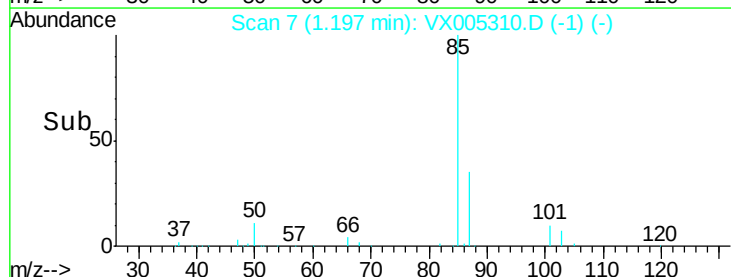
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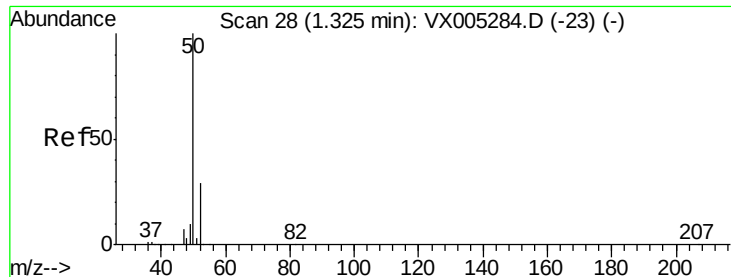
10000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 20.81 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

Instrument :

MSVOA_X

ClientSampleId :

VX1012WBS02

Tgt Ion: 50 Resp: 60394

Ion Ratio Lower Upper

50 100

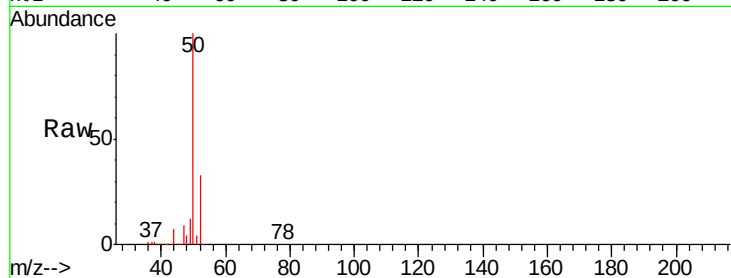
52 33.0 26.2 39.2

Manual Integrations

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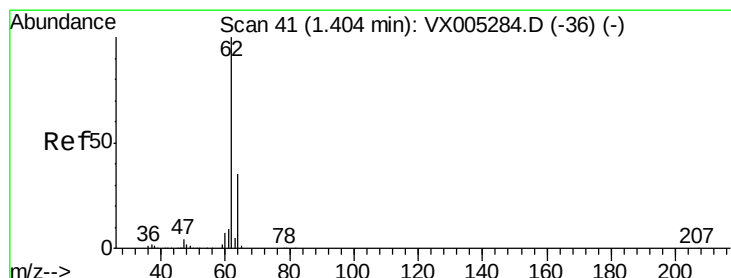
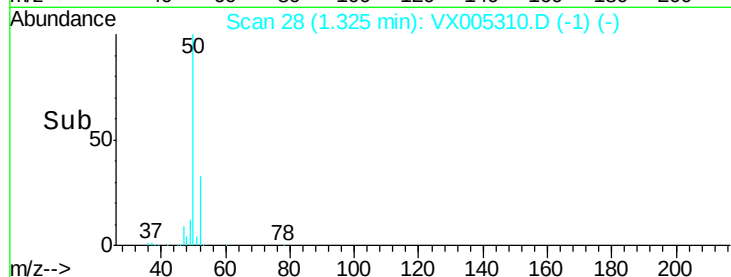
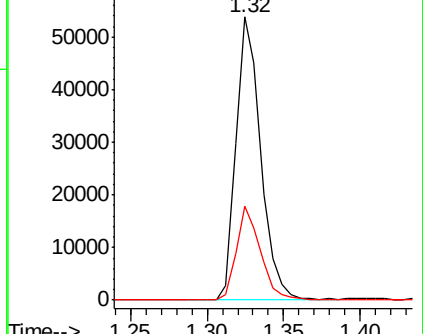
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 21.74 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX005310.D

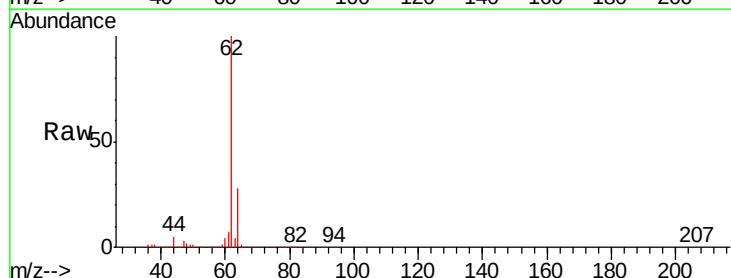
Acq: 12 Oct 2018 23:38

Tgt Ion: 62 Resp: 63931

Ion Ratio Lower Upper

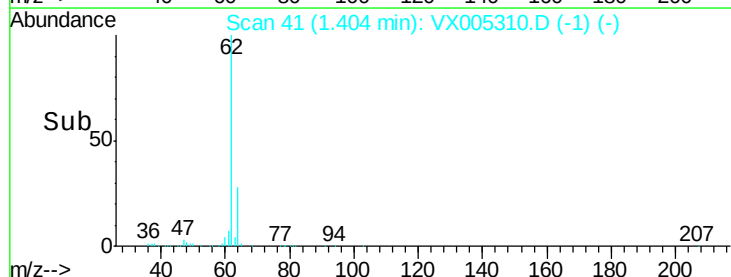
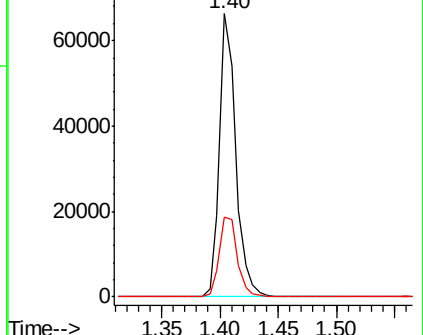
62 100

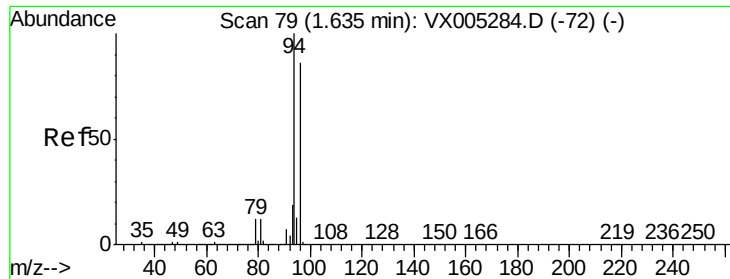
64 28.4 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 20.59 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

Instrument :

MSVOA_X

ClientSampleId :

VX1012WBS02

Tgt Ion: 94 Resp: 33613

Ion Ratio Lower Upper

94 100

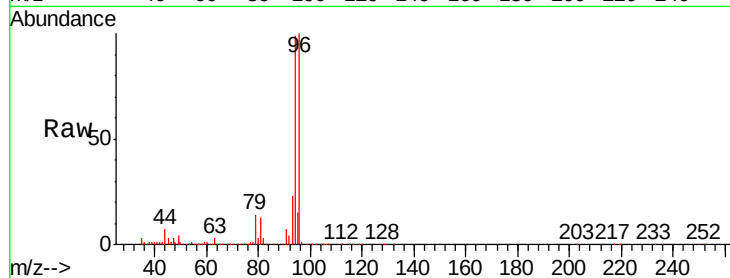
96 100.9 74.5 111.7

Manual Integrations

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10/17/2018 1:58:33 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

40000

30000

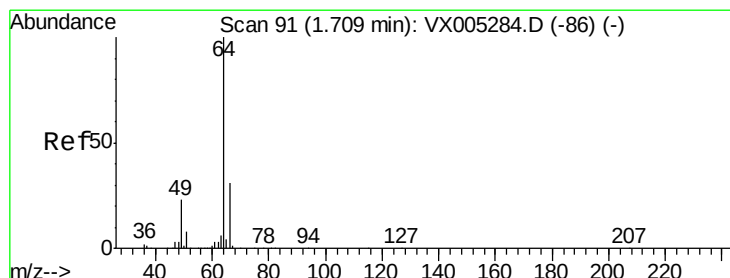
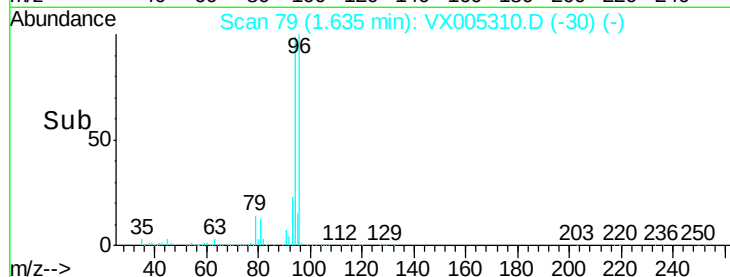
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10000

0

Time-->

1.60 1.65 1.70



#6

Chloroethane

Concen: 20.63 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005310.D

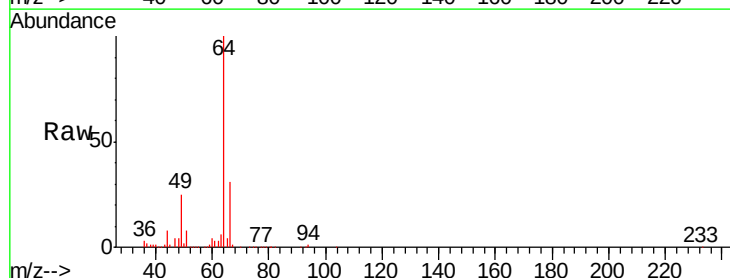
Acq: 12 Oct 2018 23:38

Tgt Ion: 64 Resp: 37612

Ion Ratio Lower Upper

64 100

66 30.8 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

30000

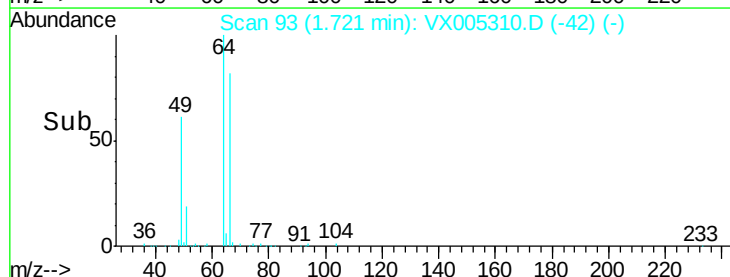
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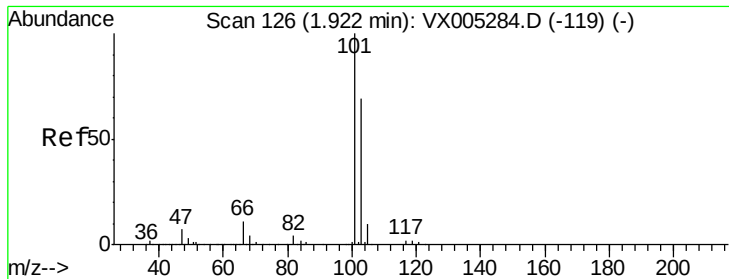
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Time-->

1.65 1.70 1.75 1.80





#7

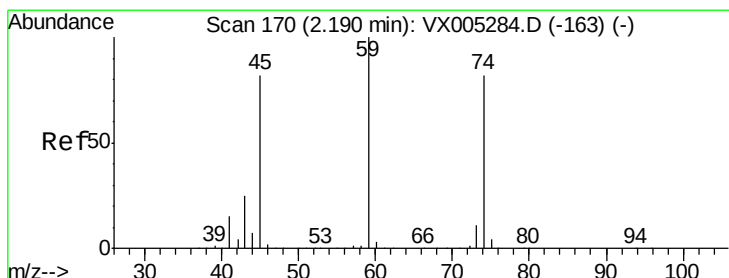
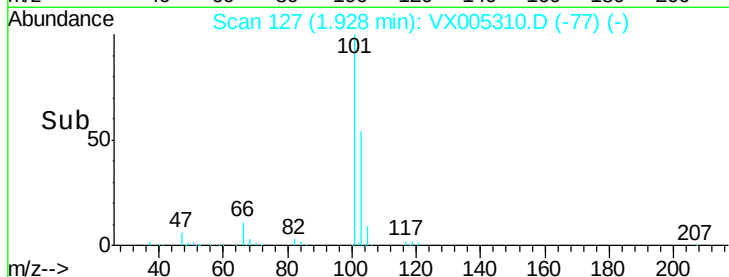
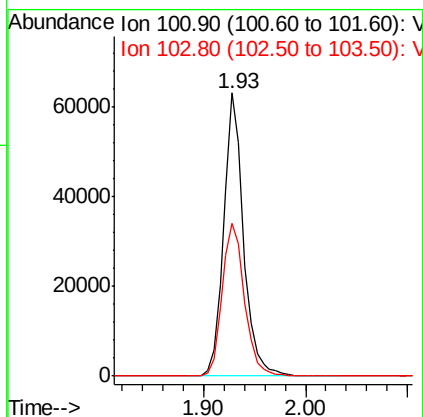
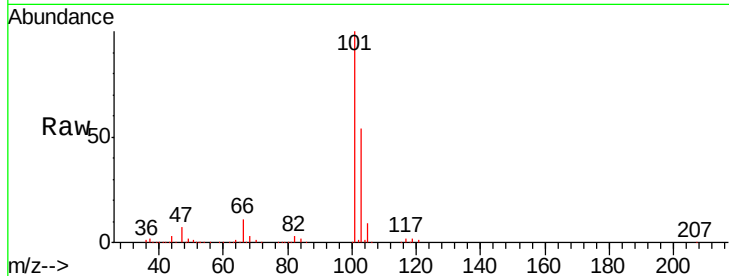
Trichlorofluoromethane
Concen: 21.74 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX005310.D
Acq: 12 Oct 2018 23:38

Instrument :
MSVOA_X
ClientSampleId :
VX1012WBS02

Tgt Ion: 101 Resp: 85315
Ion Ratio Lower Upper
101 100
103 54.1 48.9 73.3

Manual Integrations
APPROVED

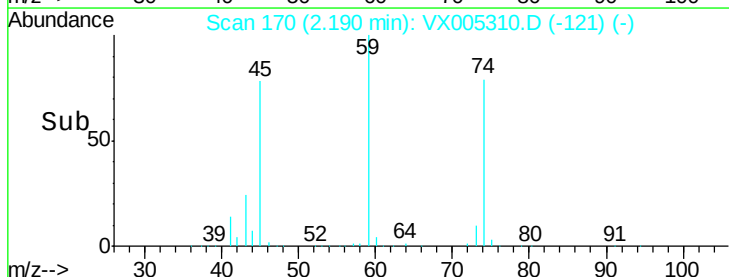
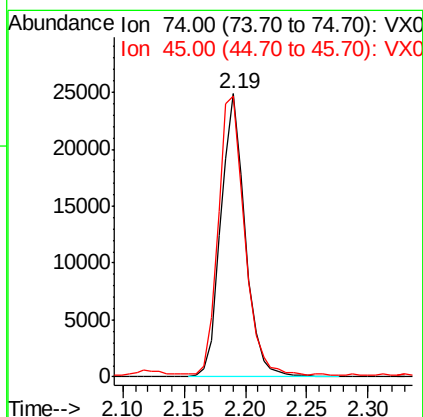
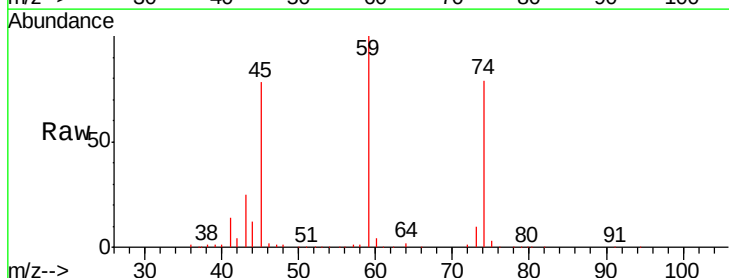
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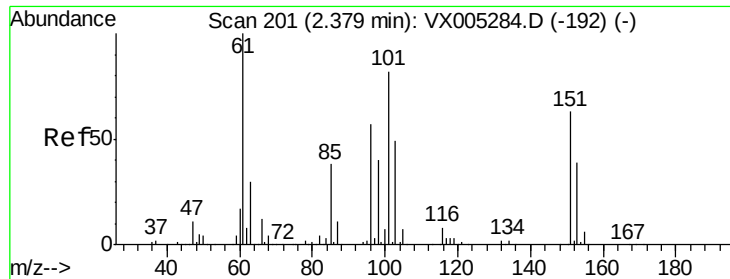


#8

Diethyl Ether
Concen: 20.56 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX005310.D
Acq: 12 Oct 2018 23:38

Tgt Ion: 74 Resp: 34451
Ion Ratio Lower Upper
74 100
45 106.1 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.24 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

Instrument :

MSVOA_X

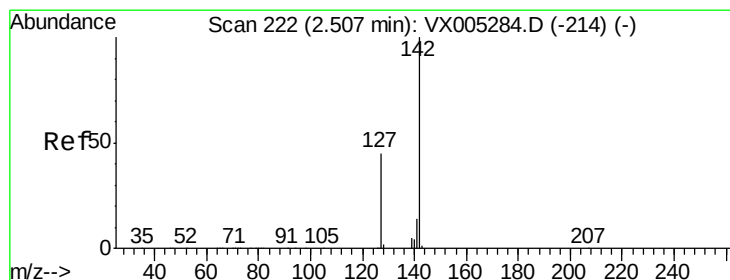
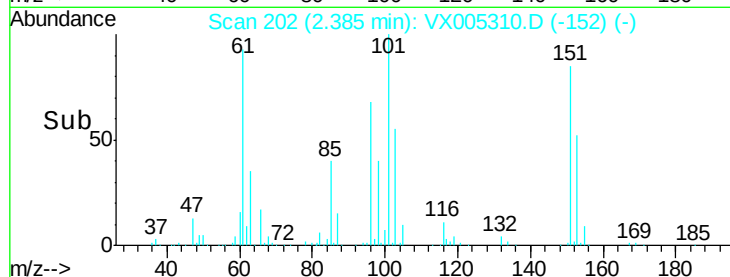
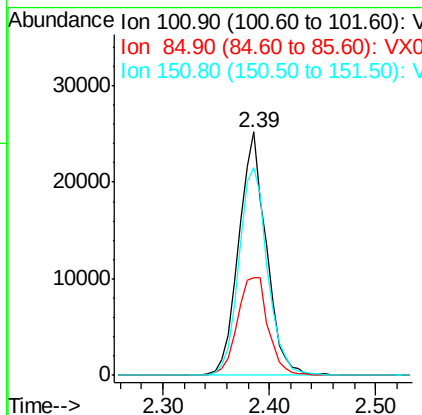
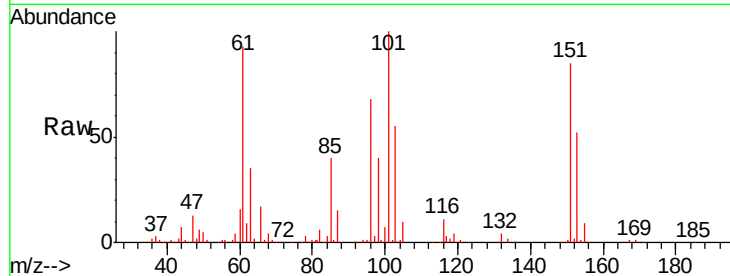
ClientSampleId :

VX1012WBS02

Tgt Ion:	101	Resp:	45836
Ion Ratio	Lower	Upper	
101	100		
85	44.8	34.2	51.4
151	89.1	65.0	97.6

Manual Integrations
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MMDadoda
10/17/2018 1:58:33 PM



#10

Methyl Iodide

Concen: 21.90 ug/l

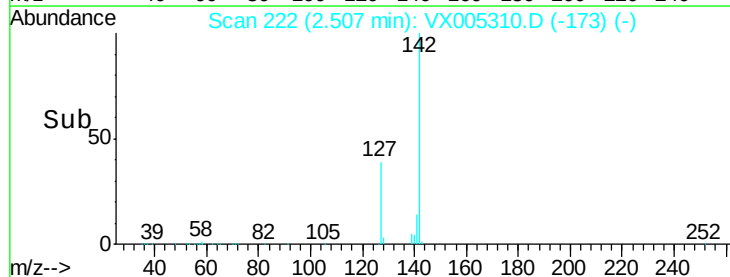
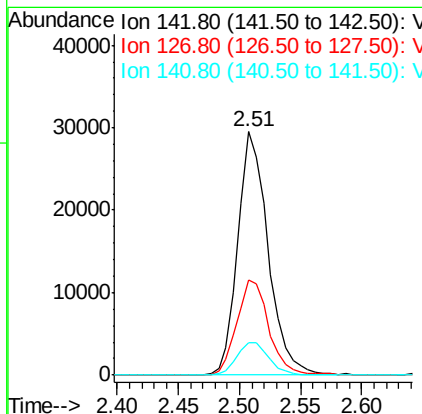
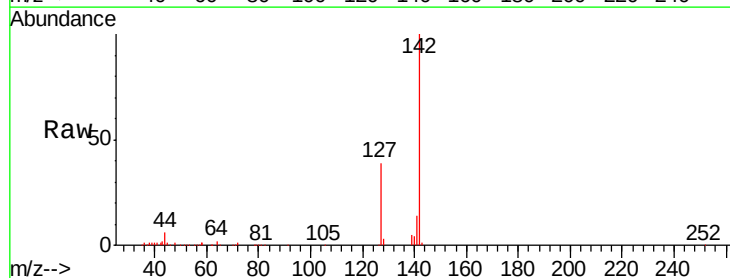
RT: 2.51 min Scan# 222

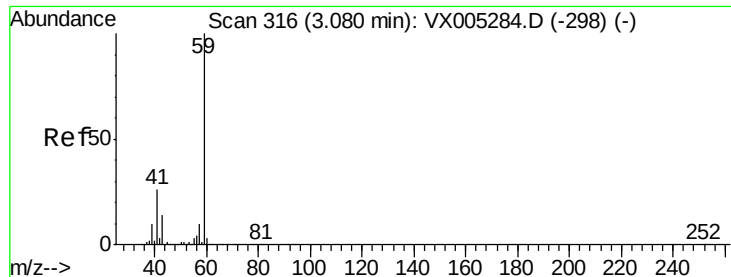
Delta R.T. 0.00 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

Tgt Ion:	142	Resp:	50722
Ion Ratio	Lower	Upper	
142	100		
127	41.3	33.8	50.6
141	14.1	11.4	17.0





#11

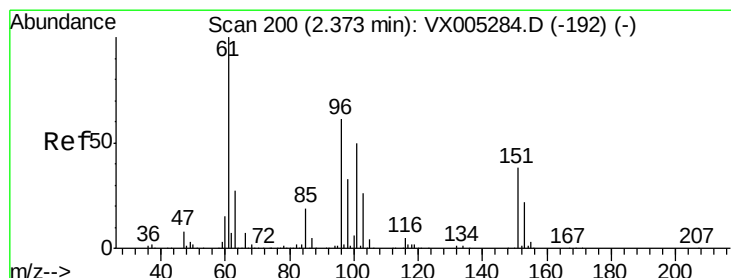
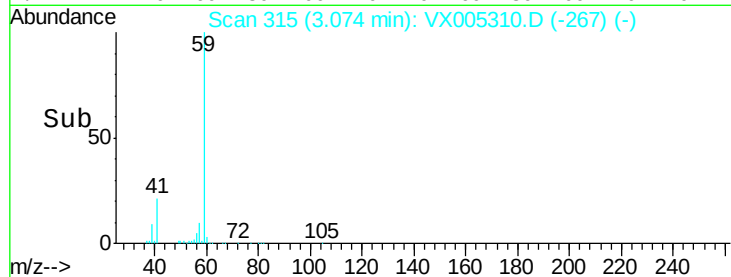
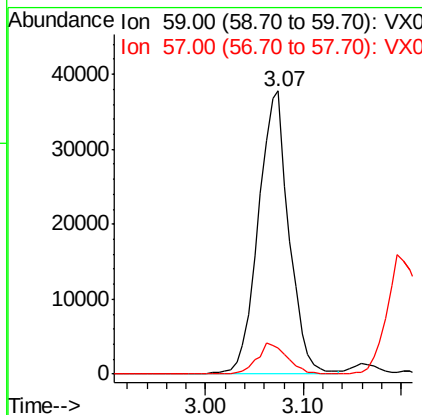
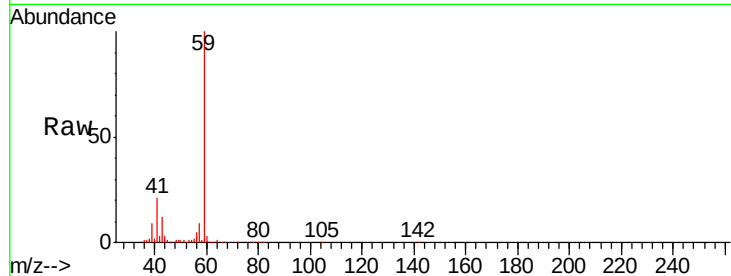
Tert butyl alcohol
Concen: 103.19 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX005310.D
Acq: 12 Oct 2018 23:38

Instrument :
MSVOA_X
ClientSampleId :
VX1012WBS02

Tgt Ion: 59 Resp: 82772
Ion Ratio Lower Upper
59 100
57 10.9 8.2 12.4

Manual Integrations
APPROVED

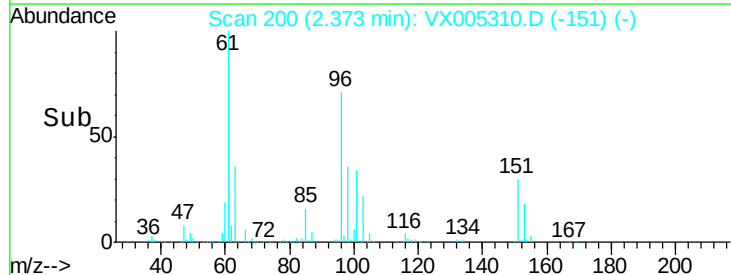
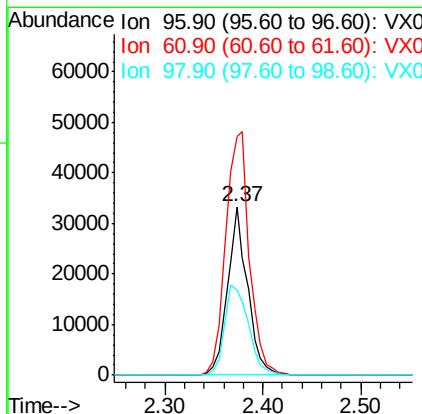
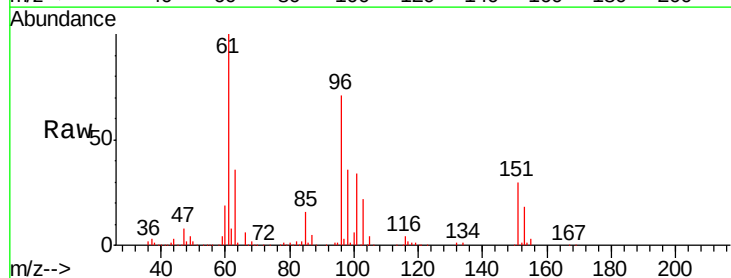
MMDadoda
10/17/2018 1:58:33 PM

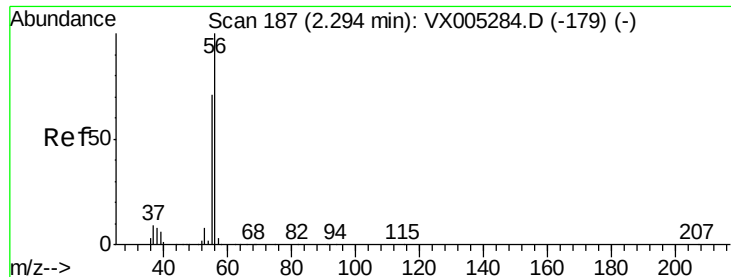


#12

1,1-Dichloroethene
Concen: 21.09 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX005310.D
Acq: 12 Oct 2018 23:38

Tgt Ion: 96 Resp: 47319
Ion Ratio Lower Upper
96 100
61 141.5 128.8 193.2
98 50.5 52.2 78.2#





#13

Acrolein

Concen: 91.76 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

Instrument :

MSVOA_X

ClientSampleId :

VX1012WBS02

Tgt Ion: 56 Resp: 47668

Ion Ratio Lower Upper

56 100

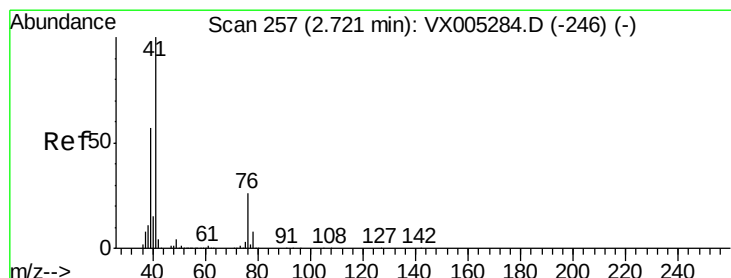
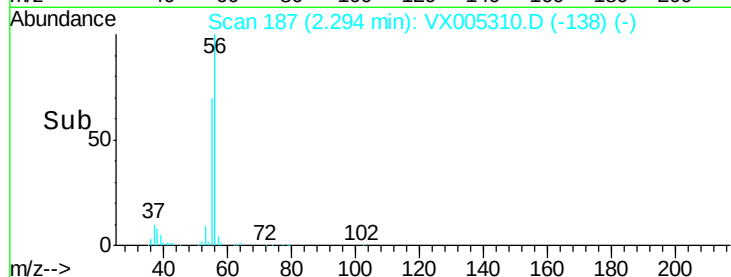
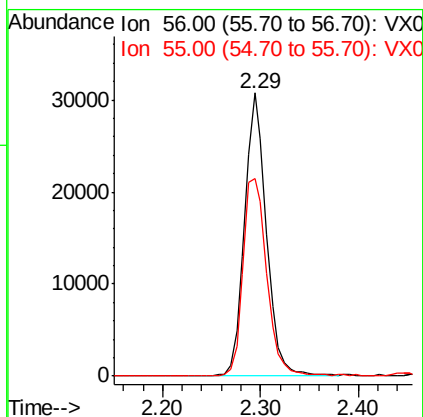
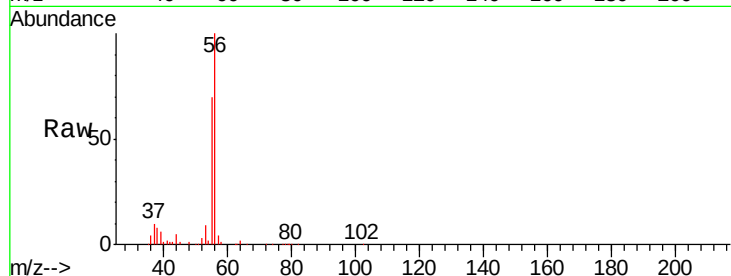
55 75.4 54.7 82.1

Manual Integrations

APPROVED

MMDadoda

10/17/2018 1:58:33 PM



#14

Allyl chloride

Concen: 19.33 ug/l

RT: 2.73 min Scan# 259

Delta R.T. 0.01 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

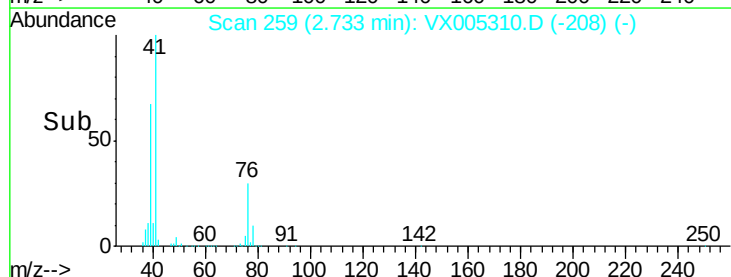
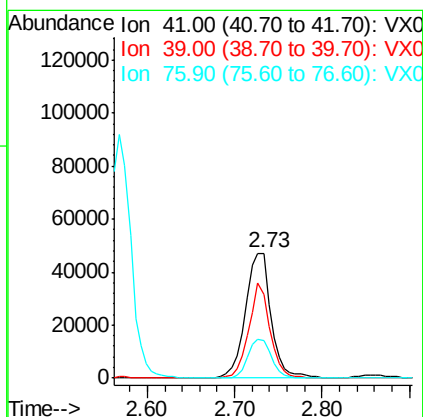
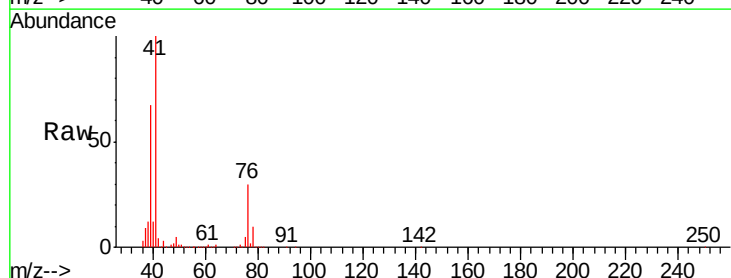
Tgt Ion: 41 Resp: 95246

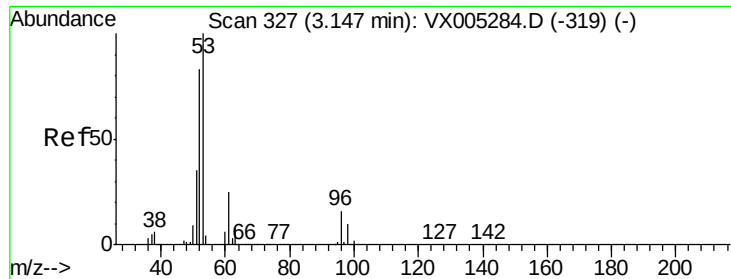
Ion Ratio Lower Upper

41 100

39 62.6 48.9 73.3

76 28.9 26.7 40.1





#15

Acrylonitrile

Concen: 94.19 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

Instrument :

MSVOA_X

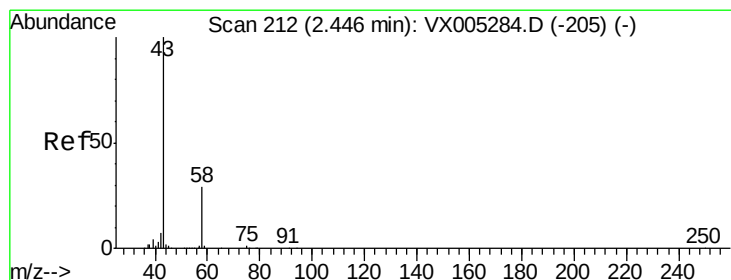
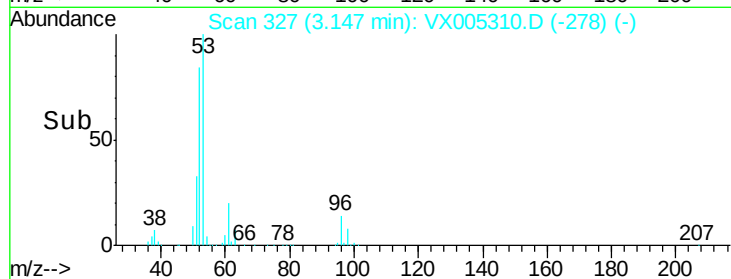
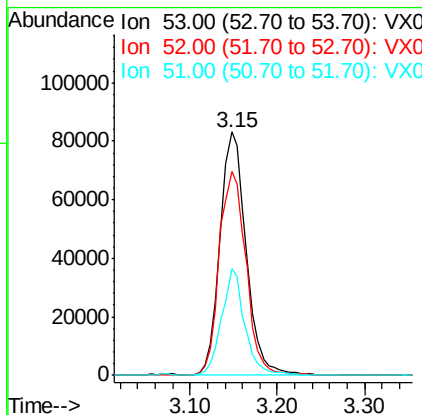
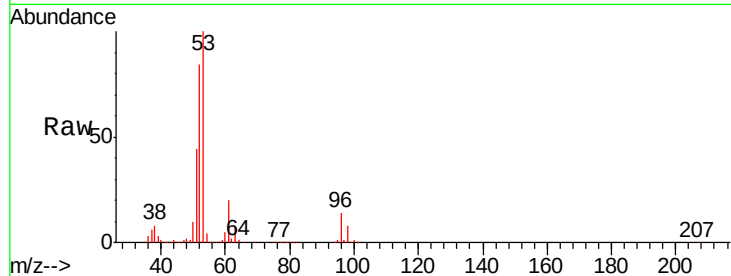
ClientSampleId :

VX1012WBS02

Tgt Ion:	53	Resp:	171213
Ion	Ratio	Lower	Upper
53	100		
52	86.1	65.2	97.8
51	38.7	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 96.30 ug/l

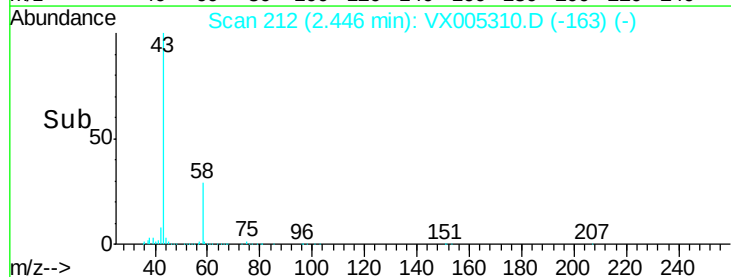
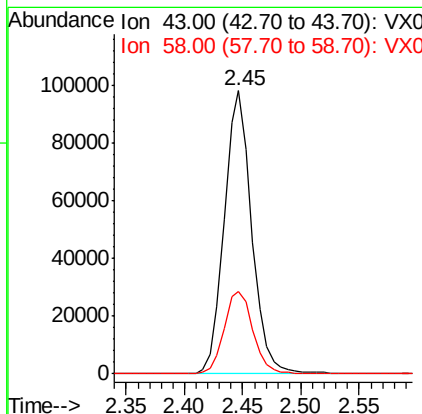
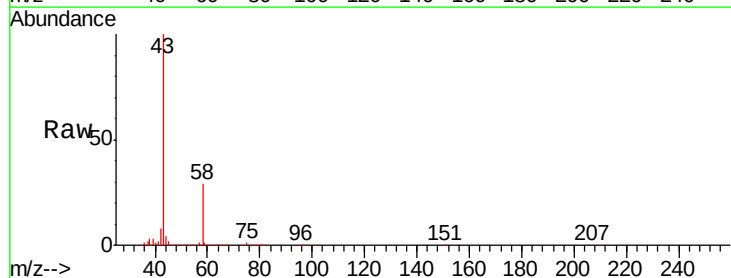
RT: 2.45 min Scan# 212

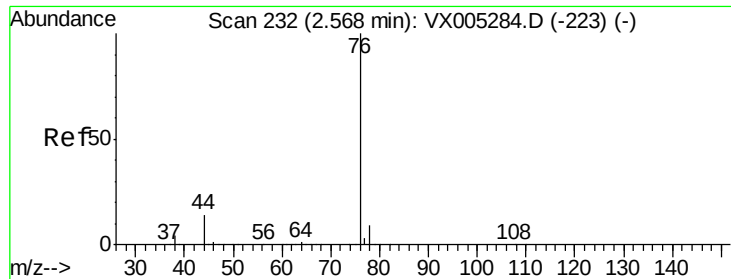
Delta R.T. 0.00 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

Tgt Ion:	43	Resp:	158325
Ion	Ratio	Lower	Upper
43	100		
58	29.2	26.2	39.4





#17

Carbon Disulfide

Concen: 21.84 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

Instrument :

MSVOA_X

ClientSampleId :

VX1012WBS02

Tgt Ion: 76 Resp: 148465

Ion Ratio Lower Upper

76 100

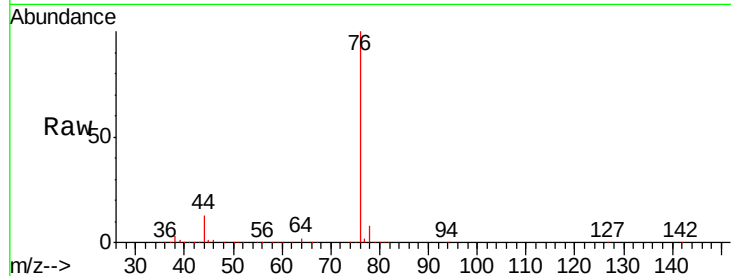
78 7.6 7.0 10.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

100000

80000

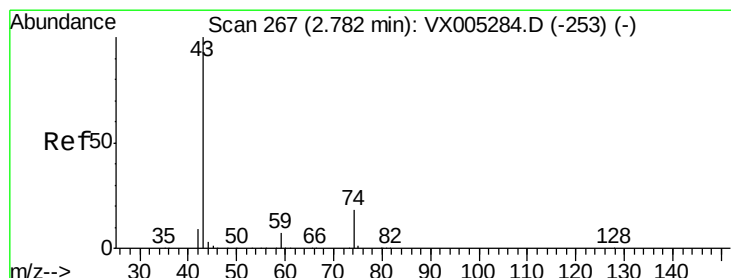
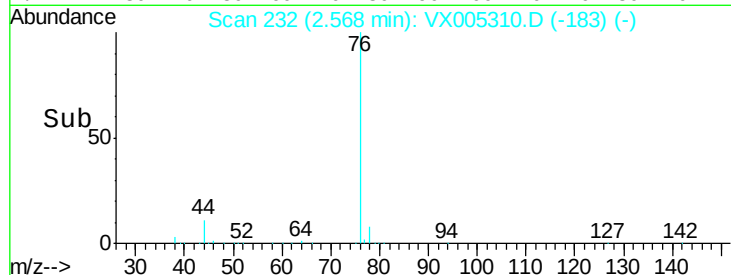
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 20.94 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX005310.D

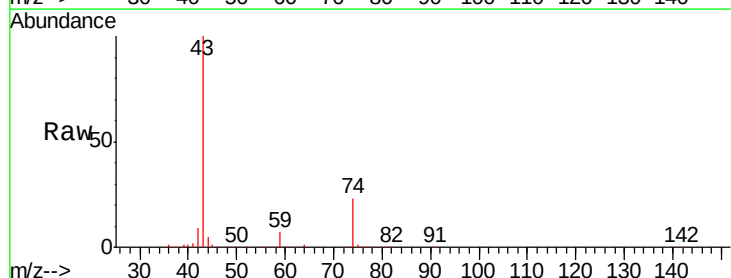
Acq: 12 Oct 2018 23:38

Tgt Ion: 43 Resp: 97962

Ion Ratio Lower Upper

43 100

74 20.9 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

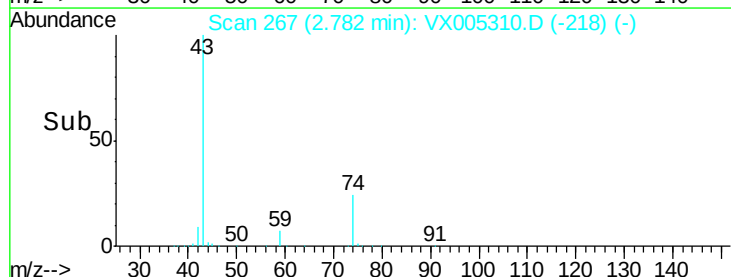
60000

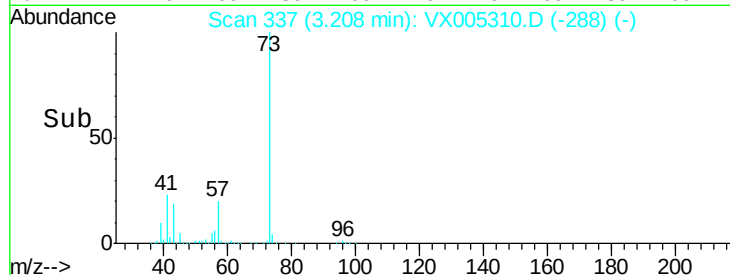
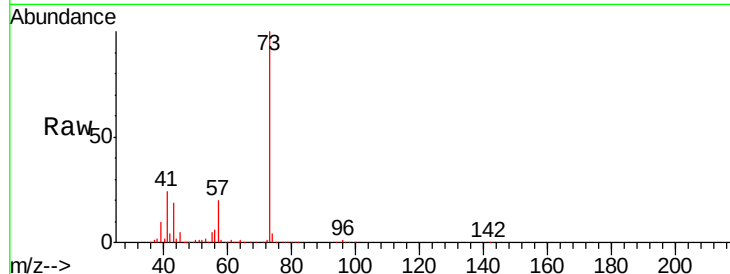
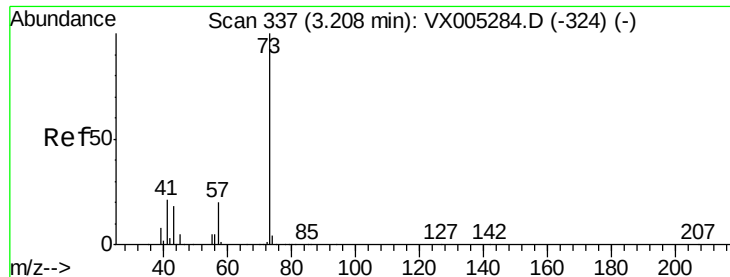
40000

20000

0

Time-->





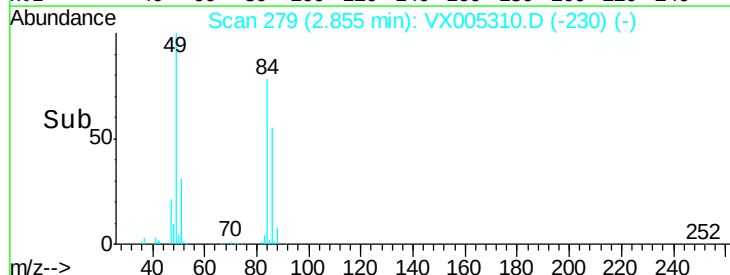
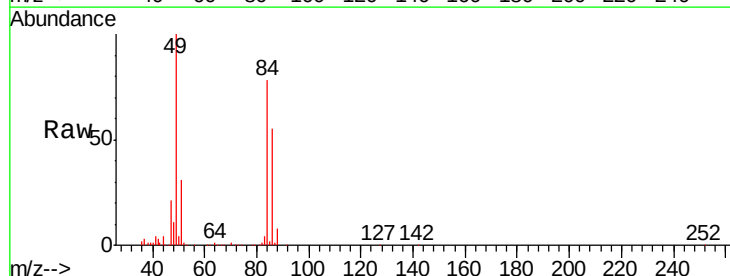
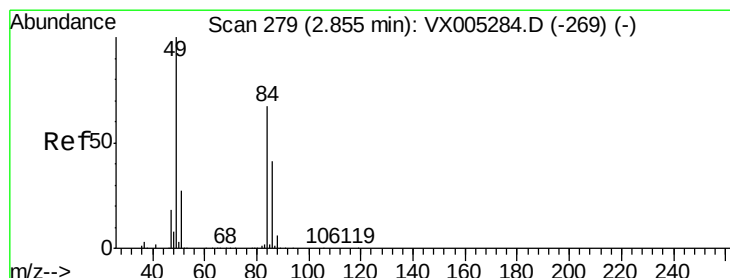
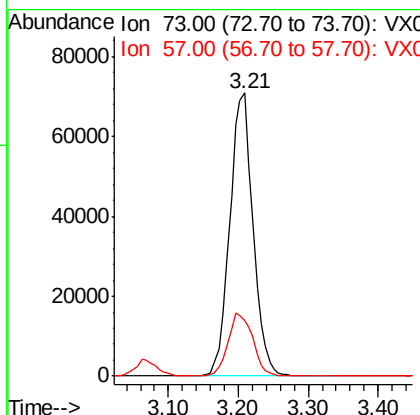
#19
Methyl tert-butyl Ether
Concen: 20.76 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.00 min
Lab File: VX005310.D
Acq: 12 Oct 2018 23:38

Tgt Ion: 73 Resp: 164105
Ion Ratio Lower Upper
73 100
57 19.6 17.1 25.7

Instrument :
MSVOA_X
ClientSampleId :
VX1012WBS02

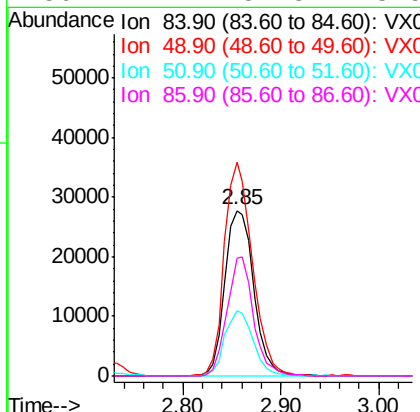
Manual Integrations
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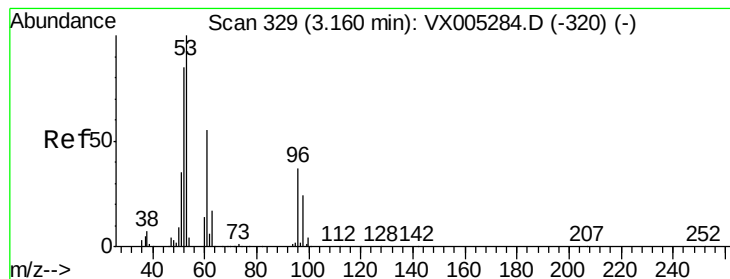
MMDadoda
10/17/2018 1:58:33 PM



#20
Methylene Chloride
Concen: 23.05 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005310.D
Acq: 12 Oct 2018 23:38

Tgt Ion: 84 Resp: 56903
Ion Ratio Lower Upper
84 100
49 128.9 101.2 151.8
51 39.6 29.5 44.3
86 71.4 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 20.40 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

Instrument :

MSVOA_X

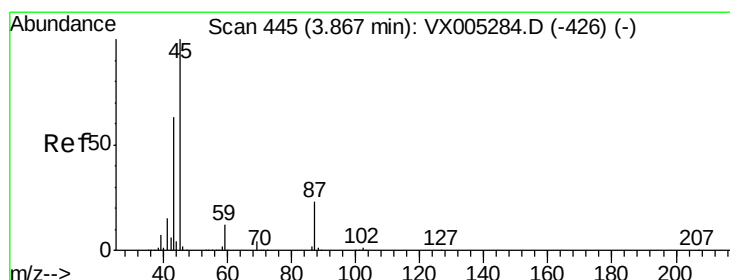
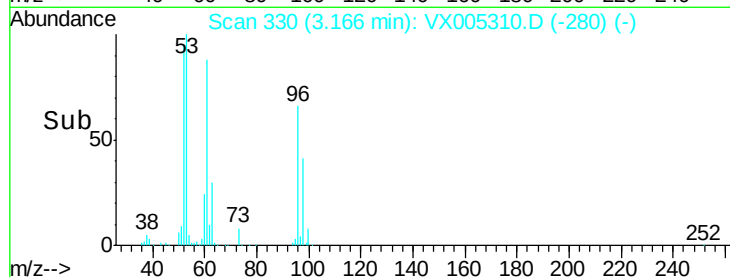
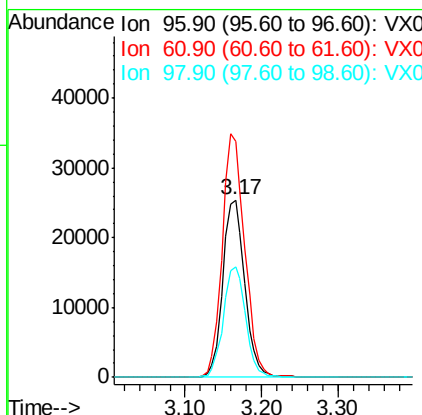
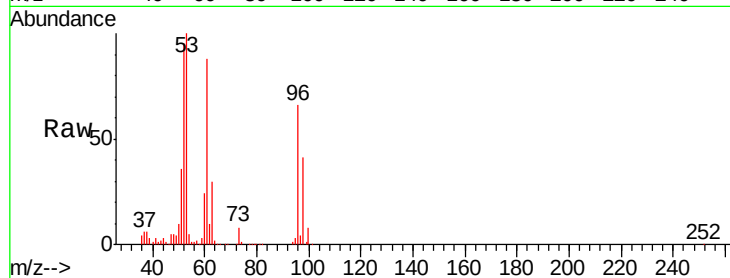
ClientSampleId :

VX1012WBS02

Tgt Ion:	96	Resp:	50731
Ion	Ratio	Lower	Upper
96	100		
61	132.9	113.8	170.6
98	62.6	51.8	77.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.74 ug/l

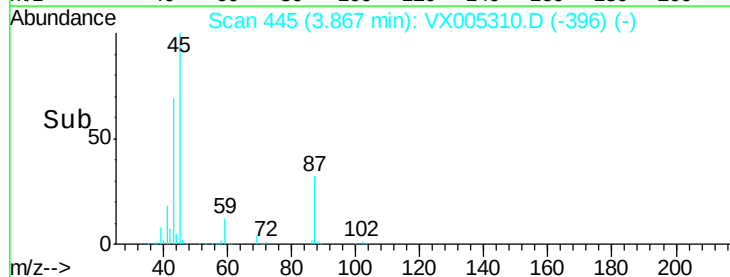
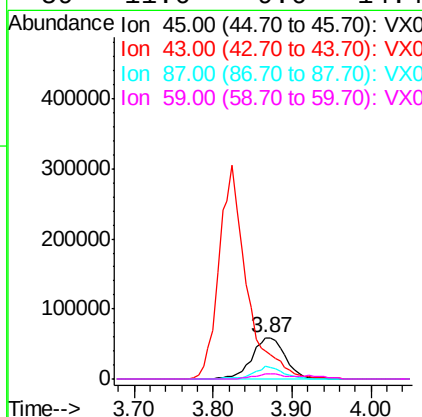
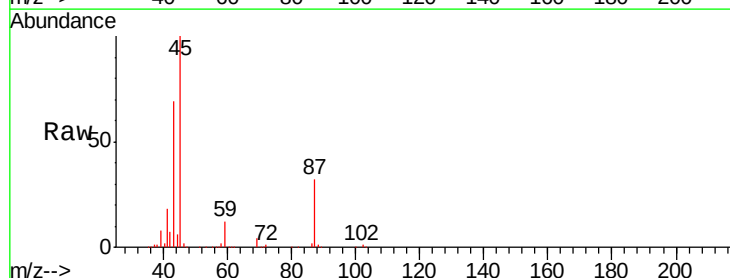
RT: 3.87 min Scan# 445

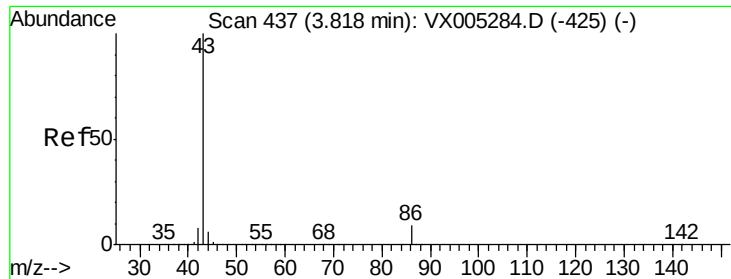
Delta R.T. 0.00 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

Tgt Ion:	45	Resp:	171632
Ion	Ratio	Lower	Upper
45	100		
43	68.4	42.8	64.2#
87	32.4	22.6	34.0
59	11.6	9.6	14.4





#23

Vinyl Acetate

Concen: 103.09 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

Instrument :

MSVOA_X

ClientSampleId :

VX1012WBS02

Tgt Ion: 43 Resp: 745588

Ion Ratio Lower Upper

43 100

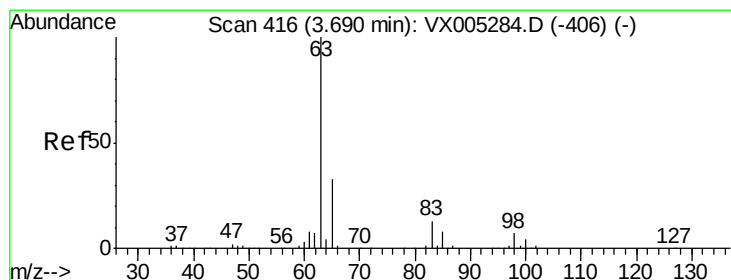
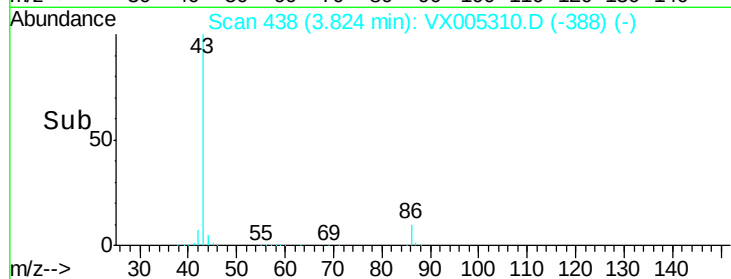
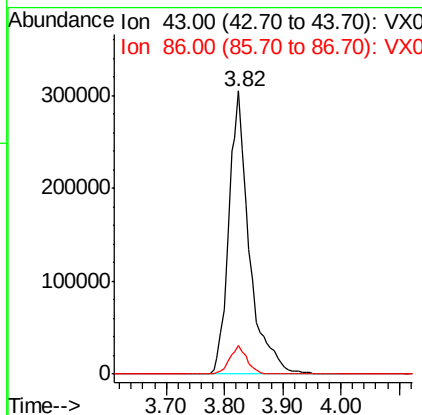
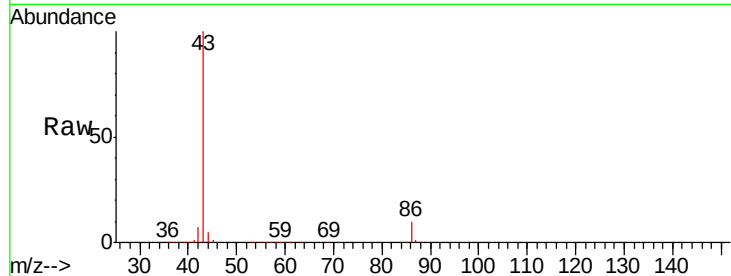
86 9.9 8.9 13.3

Manual Integrations

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MMDadoda

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#24

1,1-Dichloroethane

Concen: 20.59 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

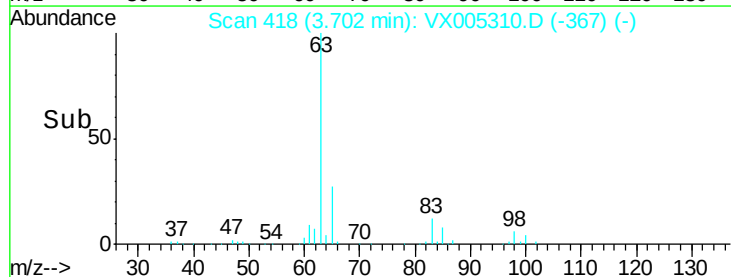
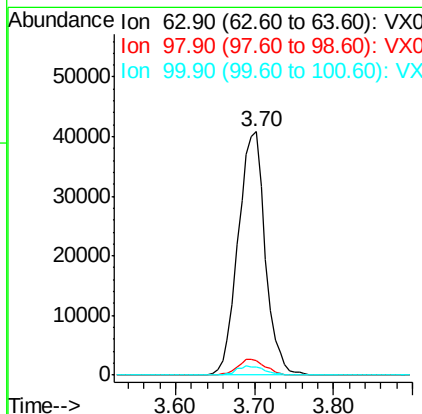
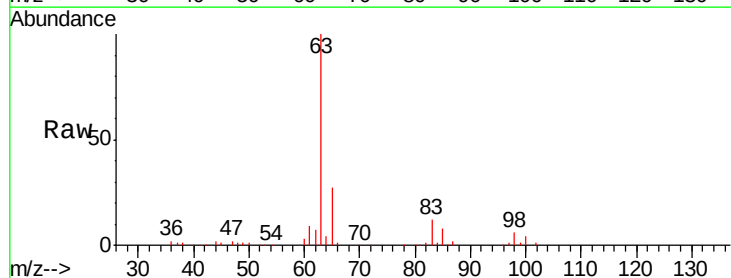
Tgt Ion: 63 Resp: 97629

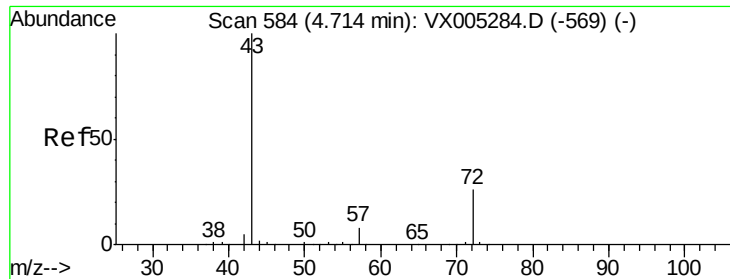
Ion Ratio Lower Upper

63 100

98 6.0 3.5 10.4

100 3.6 2.4 7.1





#25

2-Butanone

Concen: 103.99 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

Instrument :

MSVOA_X

ClientSampleId :

VX1012WBS02

Tgt Ion: 43 Resp: 250155

Ion Ratio Lower Upper

43 100

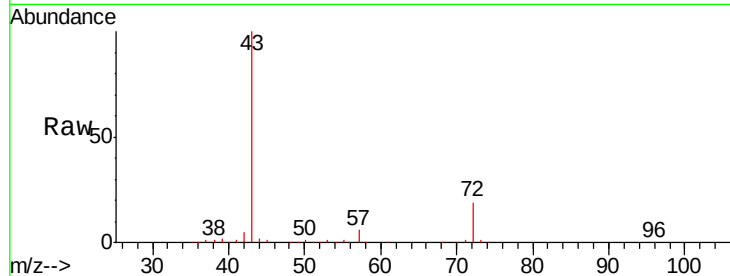
72 18.6 22.0 33.0#

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

120000

100000

80000

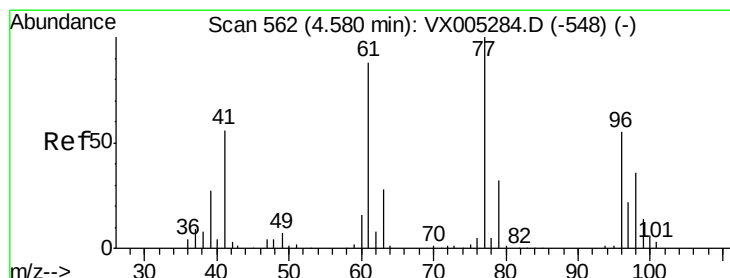
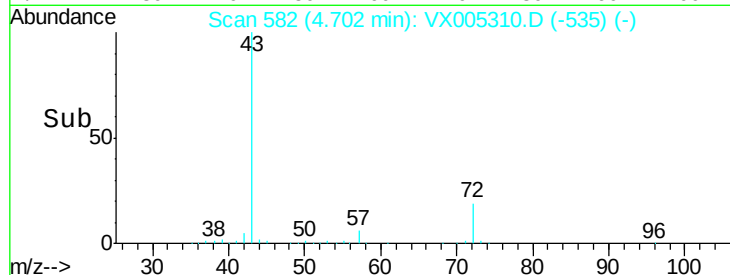
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 15.45 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX005310.D

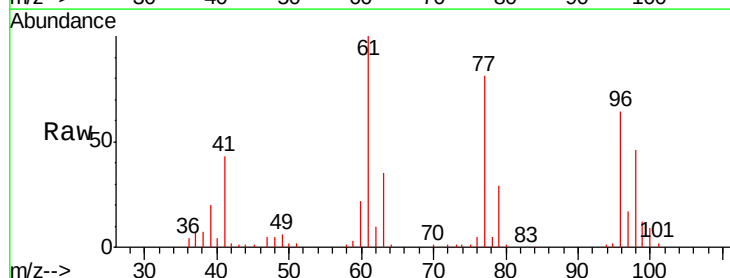
Acq: 12 Oct 2018 23:38

Tgt Ion: 77 Resp: 54787

Ion Ratio Lower Upper

77 100

97 24.0 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

20000

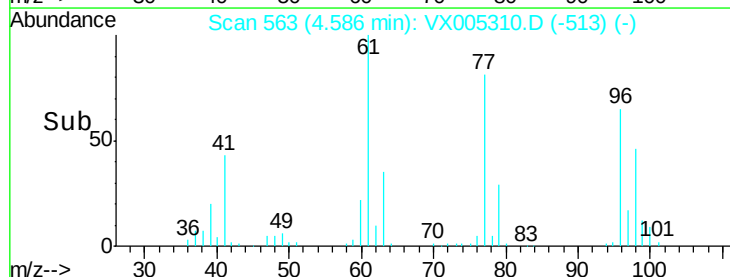
15000

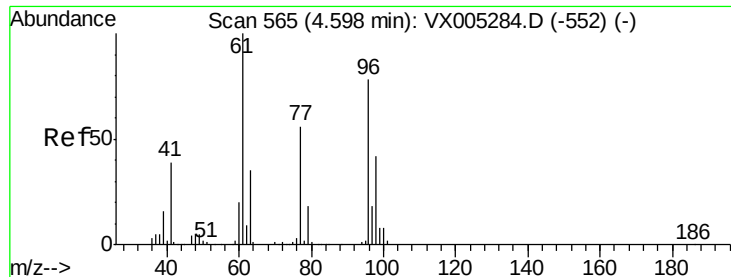
10000

5000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 19.59 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.01 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

Instrument :

MSVOA_X

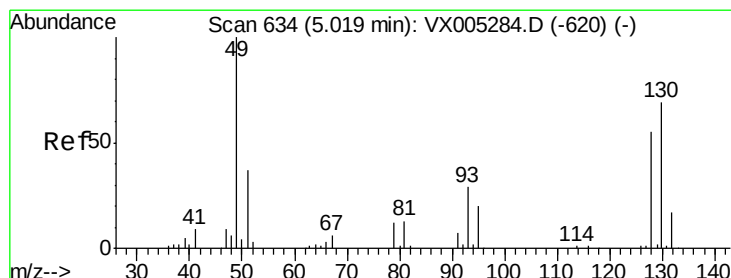
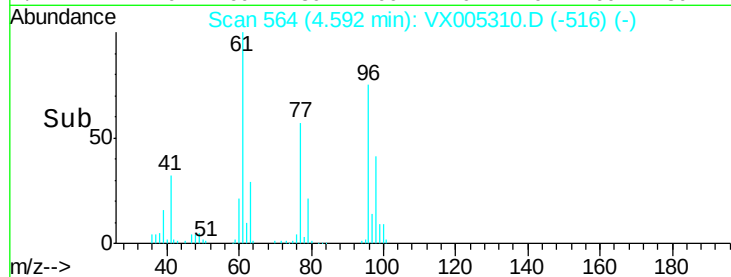
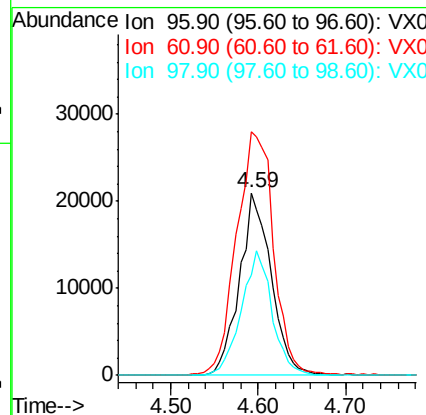
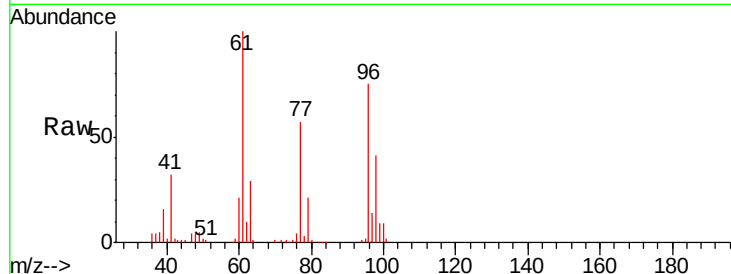
ClientSampleId :

VX1012WBS02

Tgt Ion:	96	Resp:	52950
Ion	Ratio	Lower	Upper
96	100		
61	155.3	0.0	282.6
98	66.1	0.0	130.2

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10/17/2018 1:58:33 PM



#28

Bromochloromethane

Concen: 21.80 ug/l

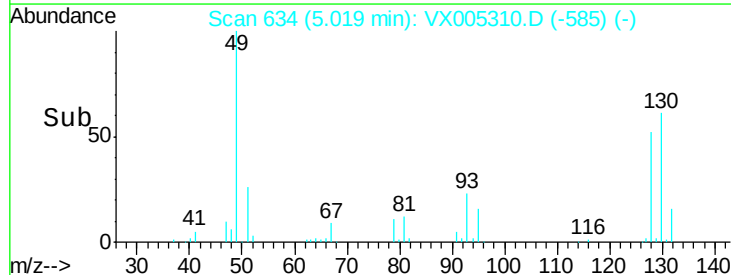
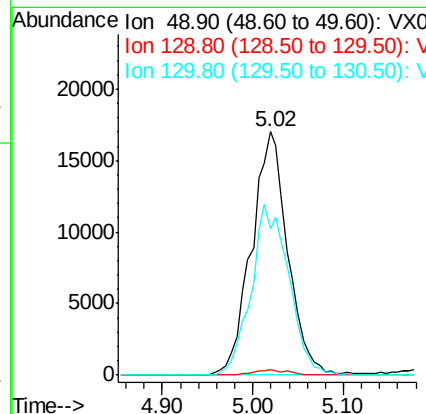
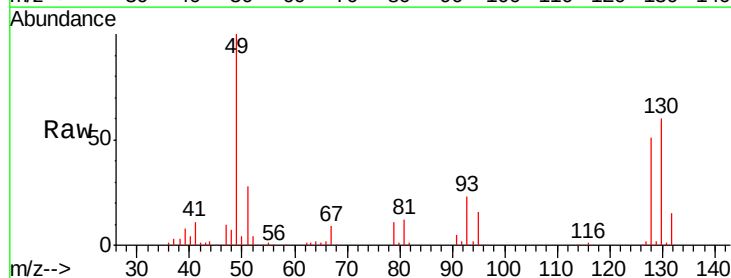
RT: 5.02 min Scan# 634

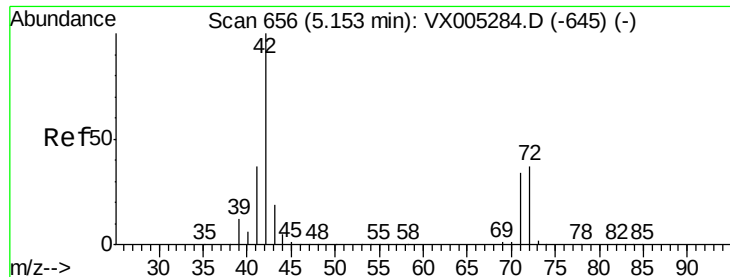
Delta R.T. 0.00 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

Tgt Ion:	49	Resp:	47133
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	72.6	67.5	101.3





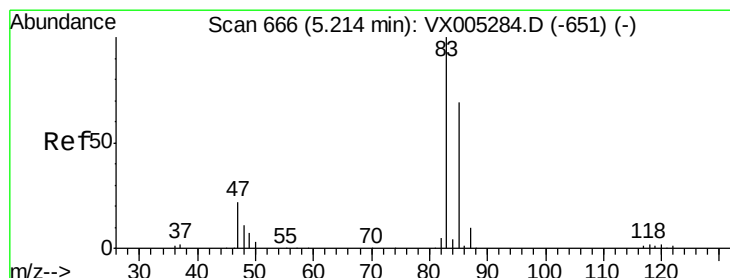
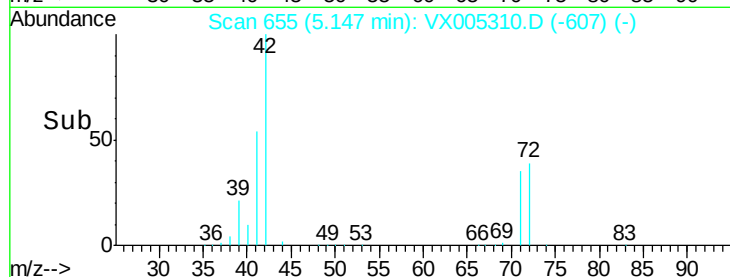
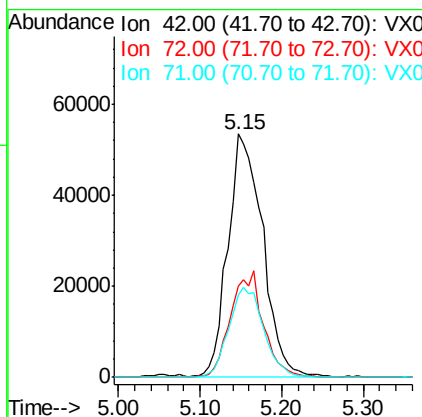
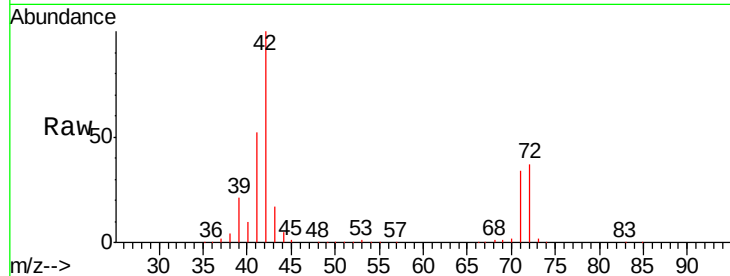
#29
Tetrahydrofuran
Concen: 102.07 ug/l
RT: 5.15 min Scan# 655
Delta R.T. -0.01 min
Lab File: VX005310.D
Acq: 12 Oct 2018 23:38

Instrument :
MSVOA_X
ClientSampleId :
VX1012WBS02

Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.6	37.4	56.0
71	37.4	34.5	51.7

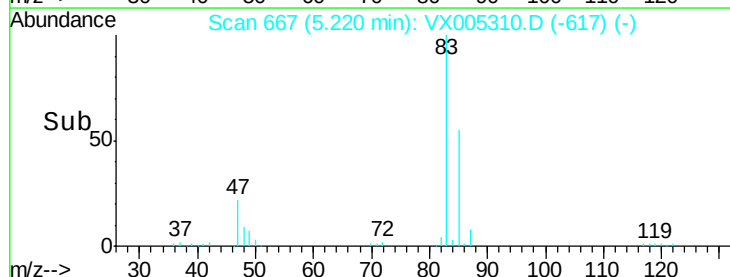
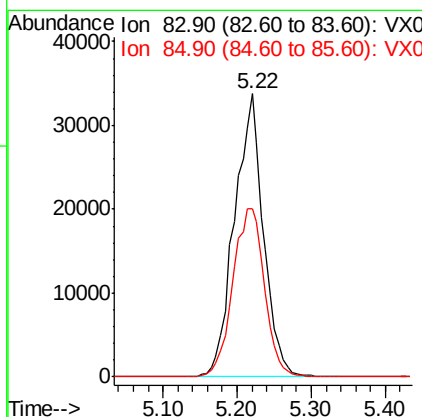
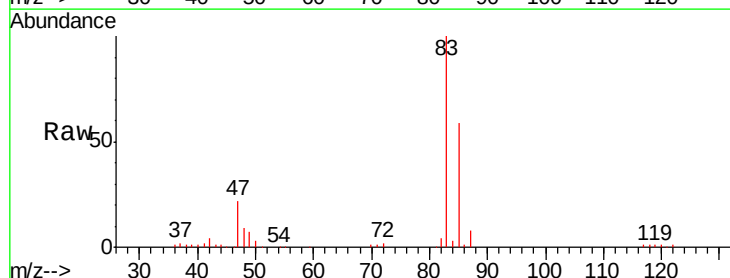
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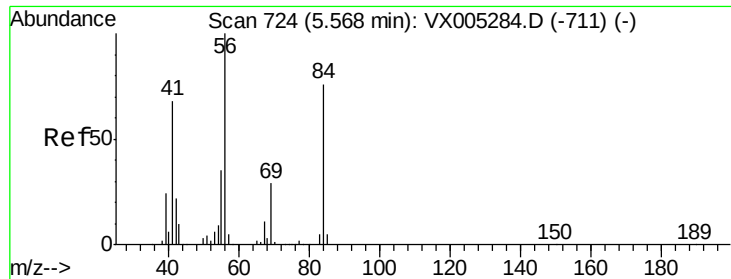
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10/17/2018 1:58:33 PM



#30
Chloroform
Concen: 20.87 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX005310.D
Acq: 12 Oct 2018 23:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.5	52.6	79.0





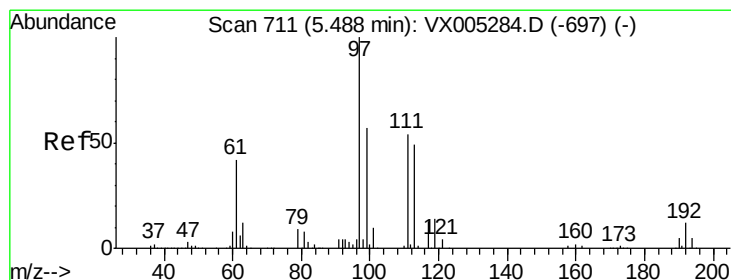
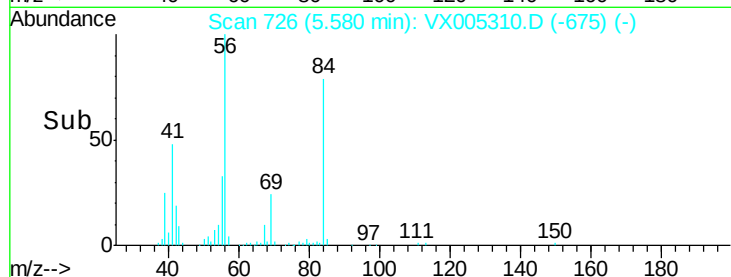
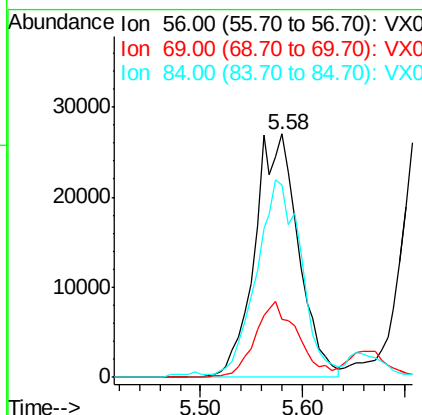
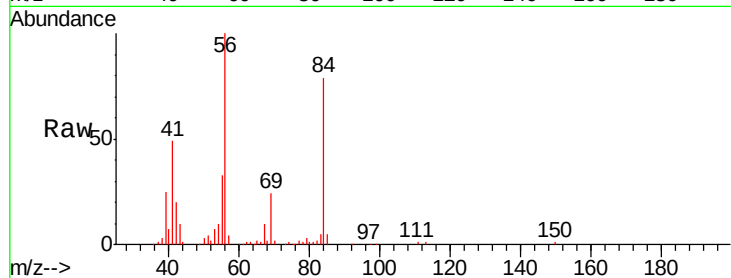
#31
Cyclohexane
Concen: 20.59 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX005310.D
Acq: 12 Oct 2018 23:38

Instrument :
MSVOA_X
ClientSampleId :
VX1012WBS02

Tgt Ion: 56 Resp: 80494
Ion Ratio Lower Upper
56 100
69 24.0 25.4 38.2#
84 77.5 71.4 107.2

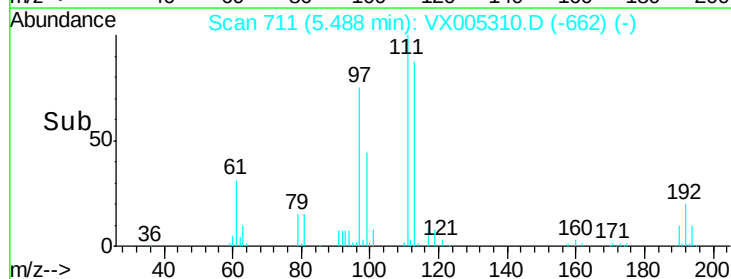
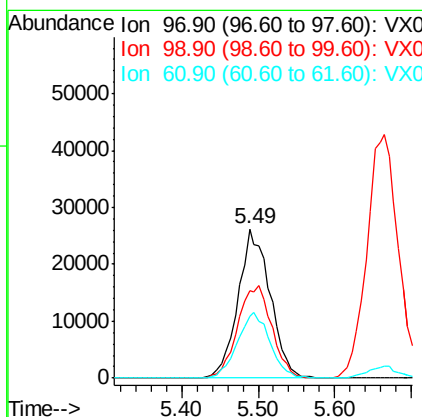
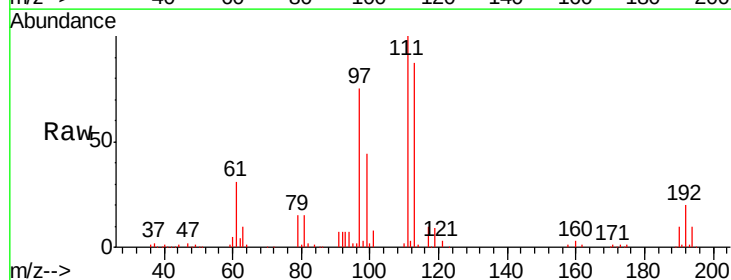
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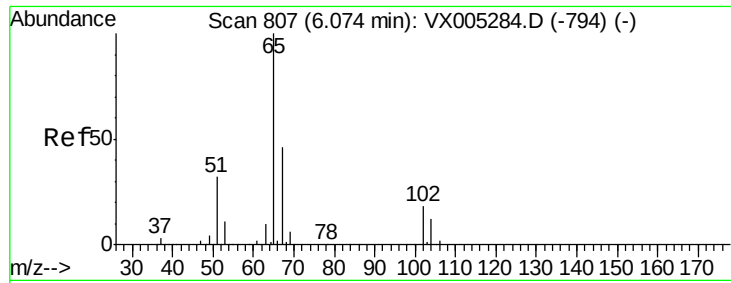
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10/17/2018 1:58:33 PM



#32
1,1,1-Trichloroethane
Concen: 19.83 ug/l
RT: 5.49 min Scan# 711
Delta R.T. 0.00 min
Lab File: VX005310.D
Acq: 12 Oct 2018 23:38

Tgt Ion: 97 Resp: 75937
Ion Ratio Lower Upper
97 100
99 66.3 52.0 78.0
61 45.0 34.9 52.3





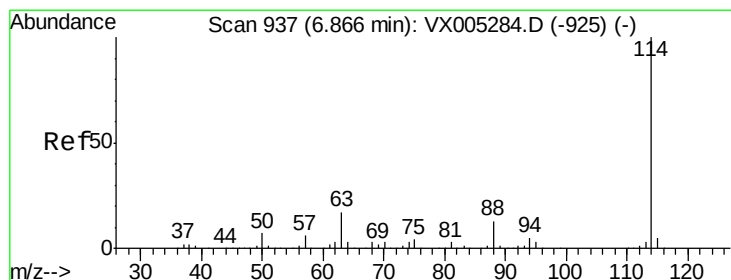
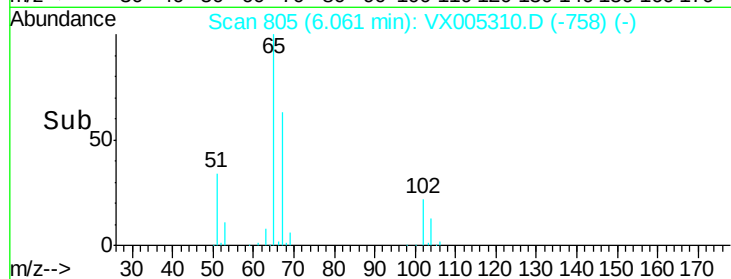
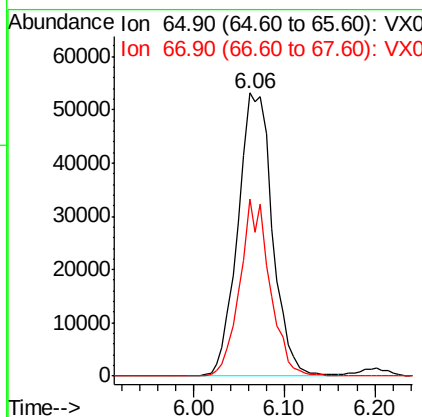
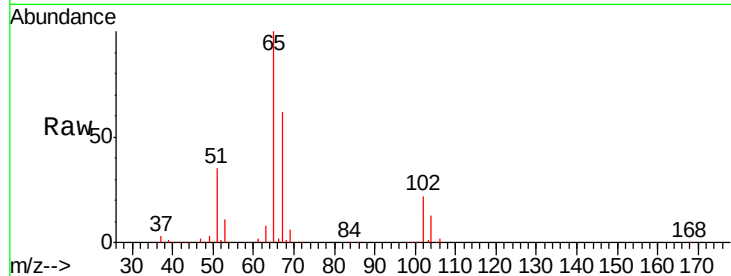
#33
 1,2-Dichloroethane-d4
 Concen: 49.39 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX005310.D
 Acq: 12 Oct 2018 23:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1012WBS02

Tgt Ion: 65 Resp: 140454
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 106.8

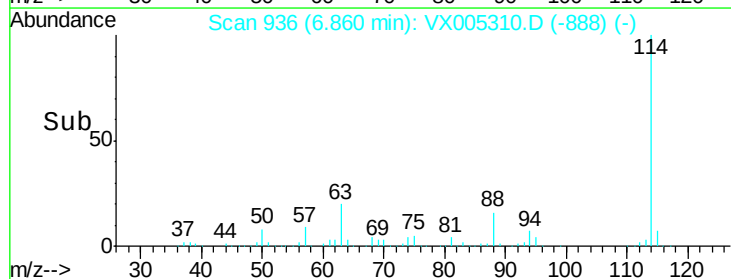
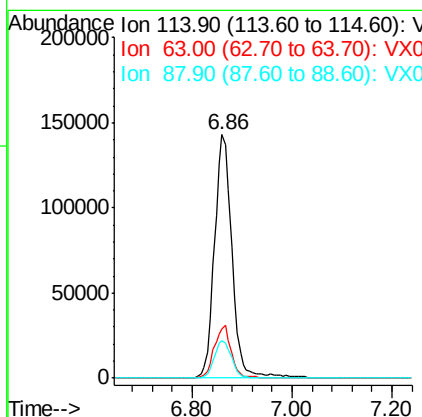
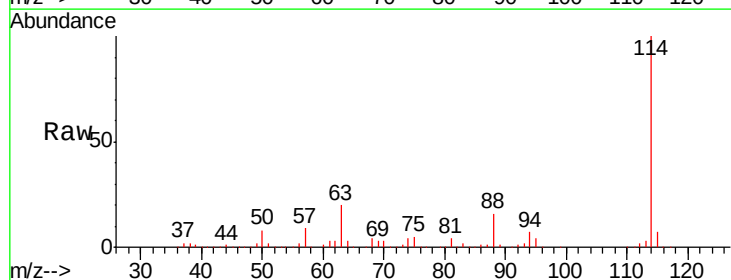
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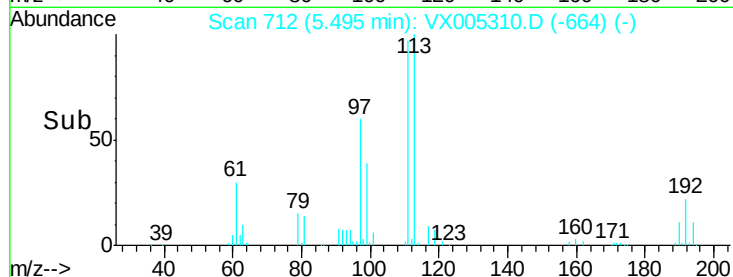
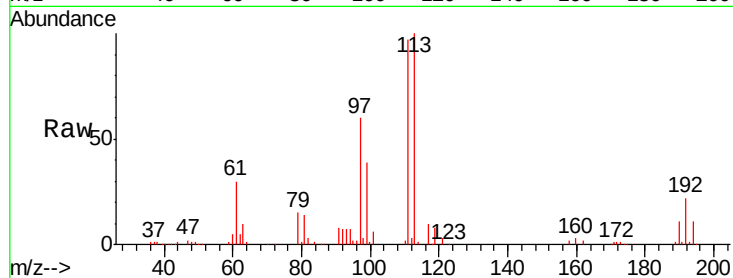
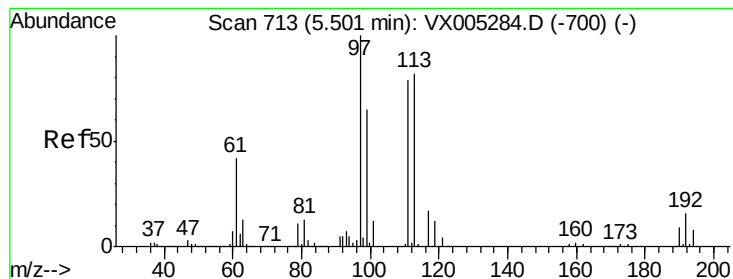
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005310.D
 Acq: 12 Oct 2018 23:38

Tgt Ion: 114 Resp: 349223
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 39.0
 88 15.7 0.0 30.4





#35

Dibromofluoromethane

Concen: 50.13 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX005310.D

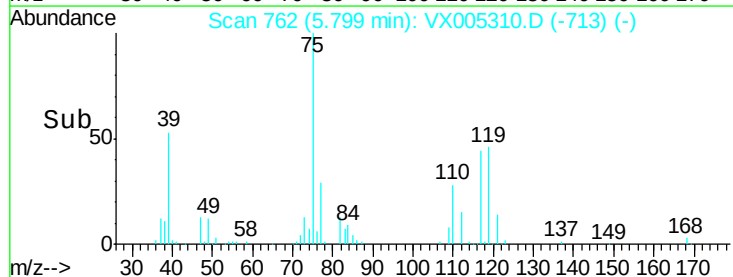
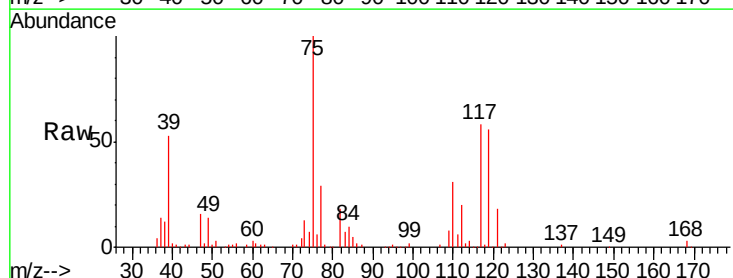
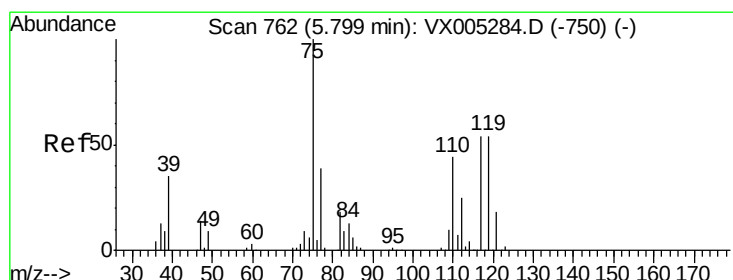
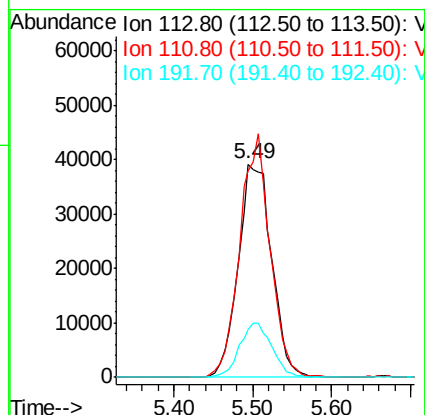
Acq: 12 Oct 2018 23:38

Tgt Ion:	113	Resp:	115958
Ion Ratio	Lower	Upper	
113	100		
111	102.9	82.4	123.6
192	24.4	19.4	29.2

Instrument :
MSVOA_X
ClientSampleId :
VX1012WBS02

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#36

1,1-Dichloropropene

Concen: 19.16 ug/l

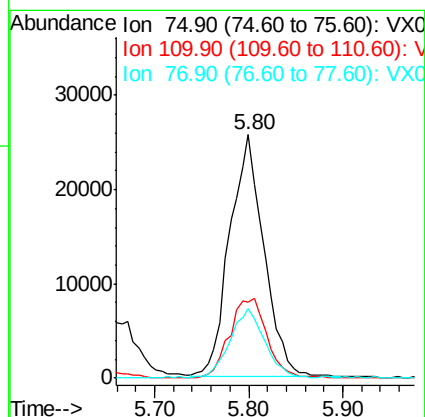
RT: 5.80 min Scan# 762

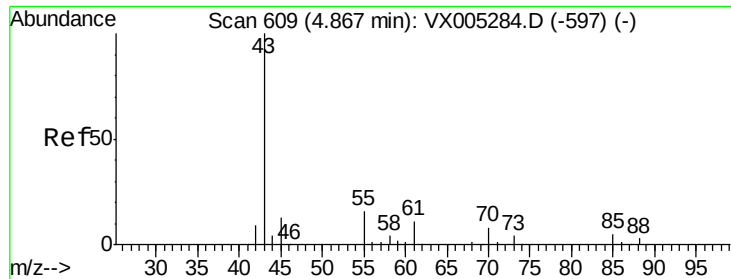
Delta R.T. 0.00 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

Tgt Ion:	75	Resp:	64808
Ion Ratio	Lower	Upper	
75	100		
110	36.4	18.0	54.0
77	28.0	24.6	36.8





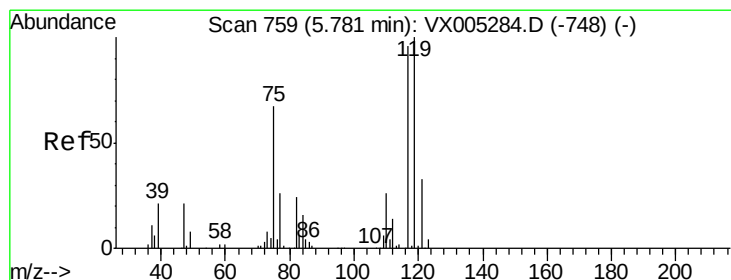
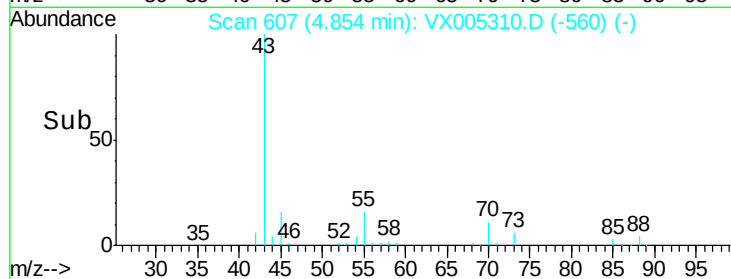
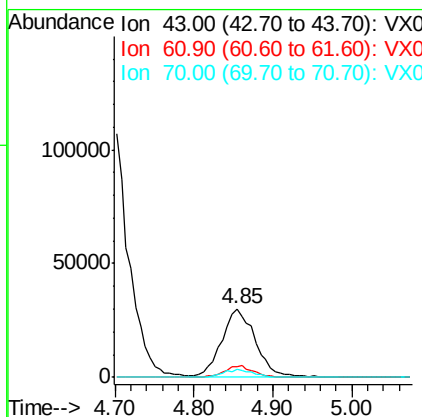
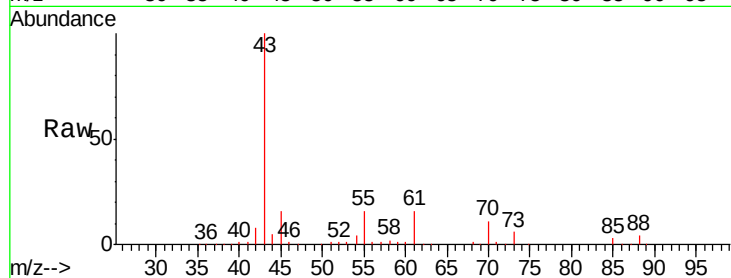
#37
Ethyl Acetate
Concen: 20.16 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX005310.D
Acq: 12 Oct 2018 23:38

Instrument :
MSVOA_X
ClientSampleId :
VX1012WBS02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.5	17.3
70	10.7	9.0	13.6

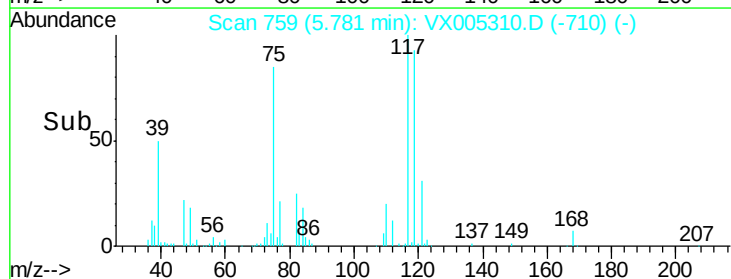
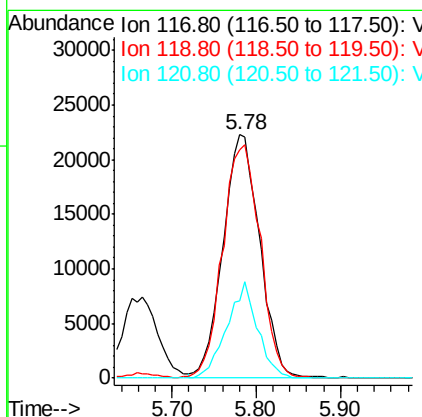
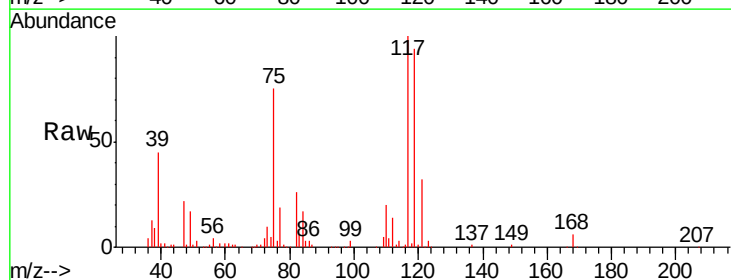
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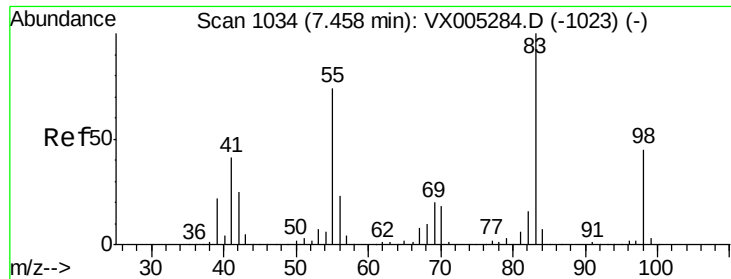
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#38
Carbon Tetrachloride
Concen: 19.35 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX005310.D
Acq: 12 Oct 2018 23:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.8	78.8	118.2
121	31.8	24.9	37.3





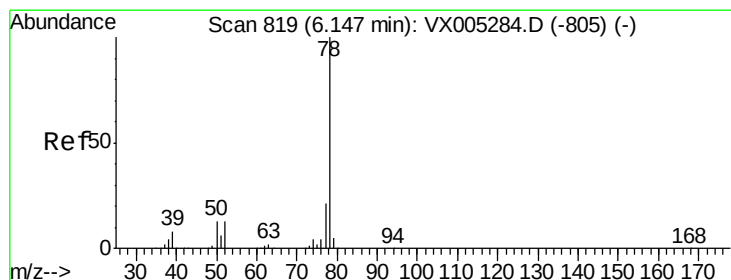
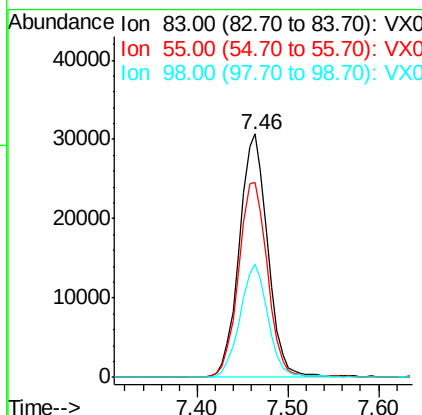
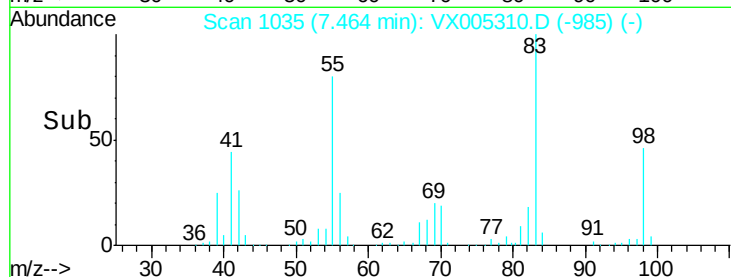
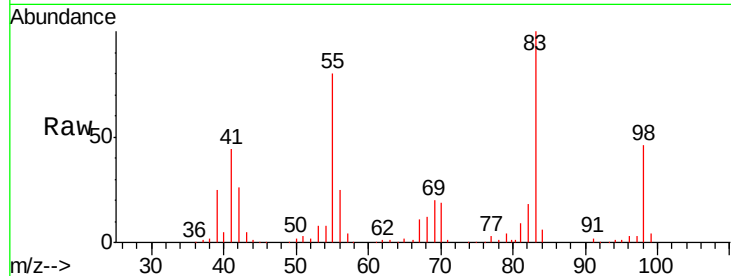
#39
Methylcyclohexane
Concen: 18.24 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005310.D
Acq: 12 Oct 2018 23:38

Instrument :
MSVOA_X
ClientSampleId :
VX1012WBS02

Tgt Ion	Ratio	Lower	Upper
83	100		
55	80.2	61.0	91.4
98	46.3	39.6	59.4

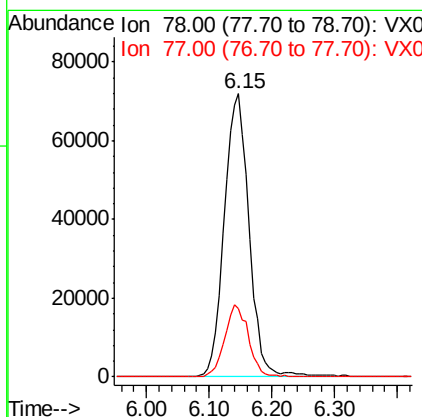
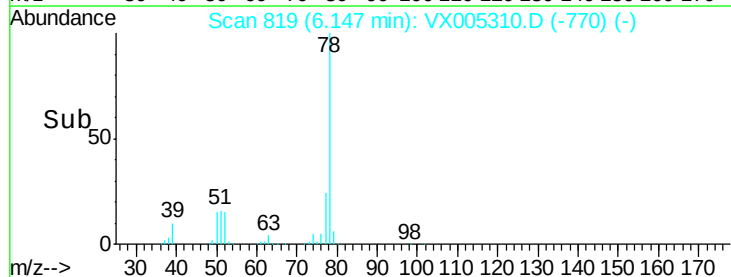
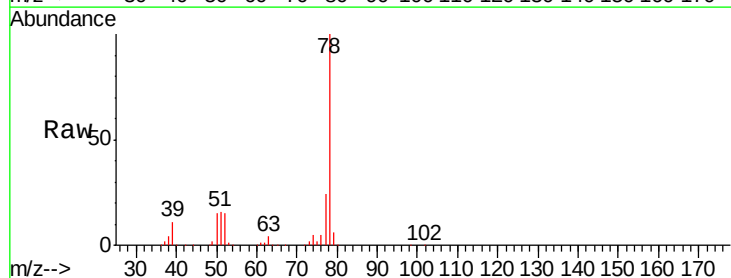
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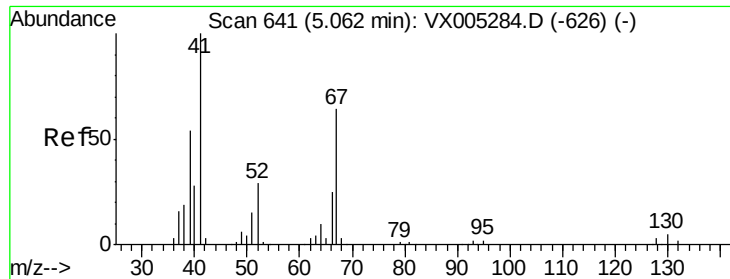
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#40
Benzene
Concen: 19.42 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.00 min
Lab File: VX005310.D
Acq: 12 Oct 2018 23:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.0	28.4





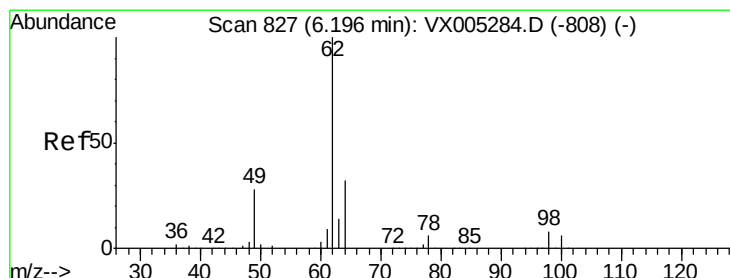
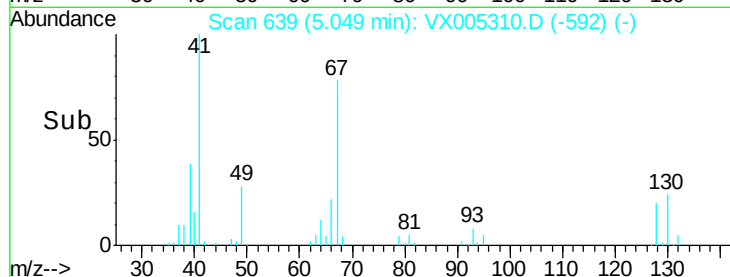
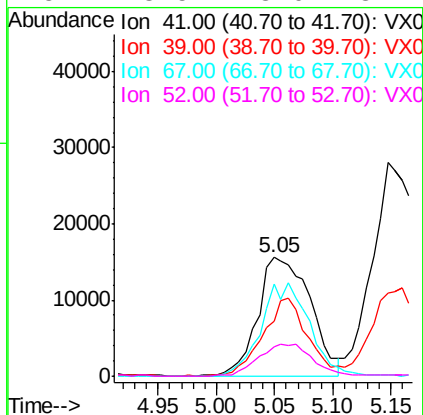
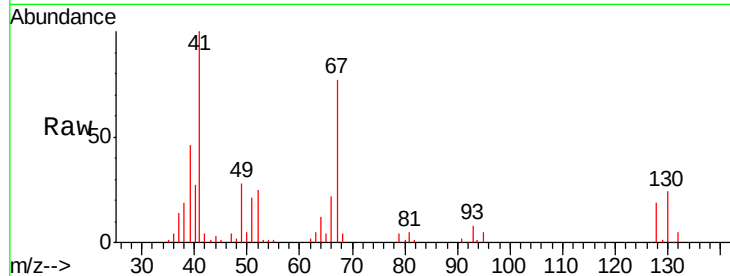
#41
Methacrylonitrile
Concen: 20.97 ug/l
RT: 5.05 min Scan# 639
Delta R.T. -0.01 min
Lab File: VX005310.D
Acq: 12 Oct 2018 23:38

Instrument :
MSVOA_X
ClientSampleId :
VX1012WBS02

Tgt Ion	Ratio	Lower	Upper
41	100		
39	55.4	42.4	63.6
67	72.3	59.2	88.8
52	28.5	23.0	34.4

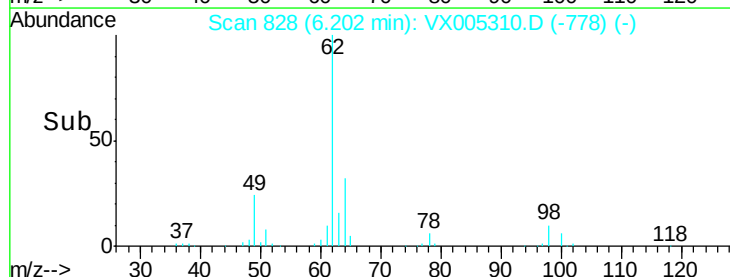
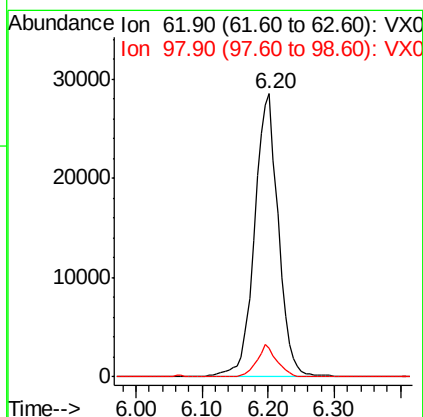
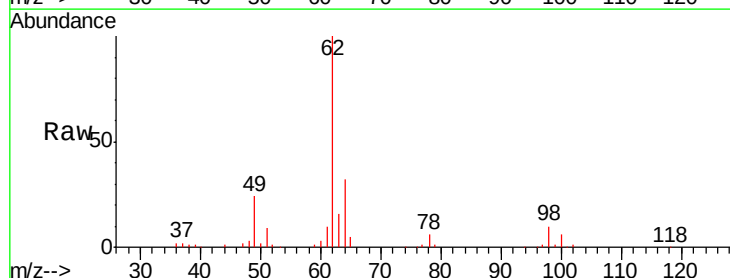
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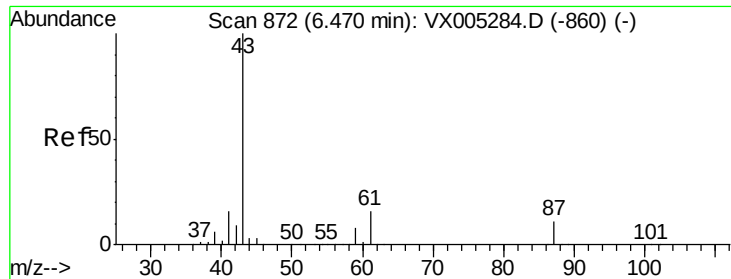
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#42
1,2-Dichloroethane
Concen: 20.06 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.01 min
Lab File: VX005310.D
Acq: 12 Oct 2018 23:38

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	20.6





#43

Isopropyl Acetate

Concen: 21.32 ug/l

RT: 6.47 min Scan# 872

Delta R.T. 0.00 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

Instrument :

MSVOA_X

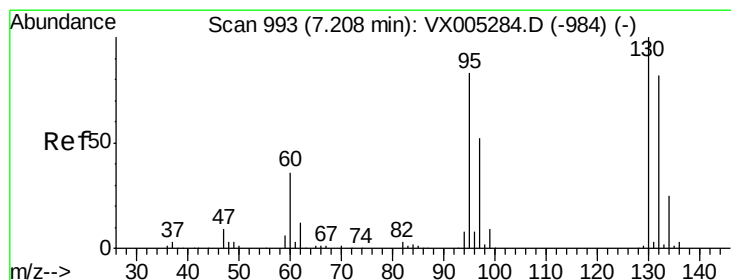
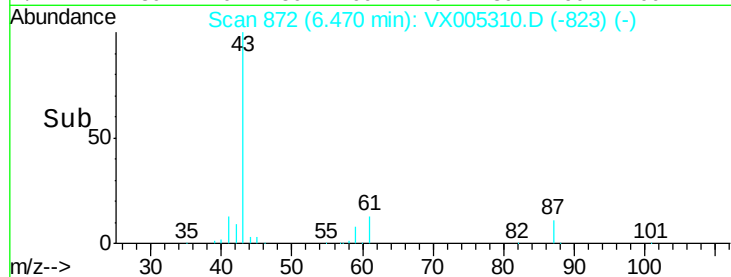
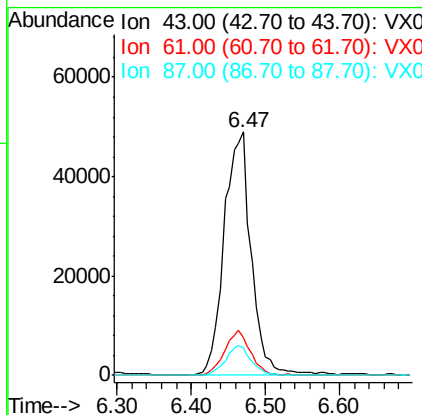
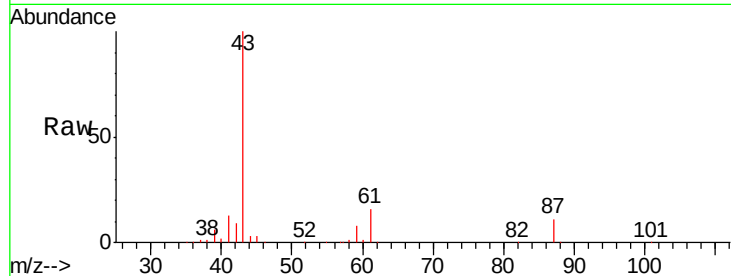
ClientSampleId :

VX1012WBS02

Tgt Ion:	43	Resp:	123554
Ion	Ratio	Lower	Upper
43	100		
61	18.0	17.0	25.4
87	11.9	11.4	17.2

Manual Integrations
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#44

Trichloroethene

Concen: 19.26 ug/l

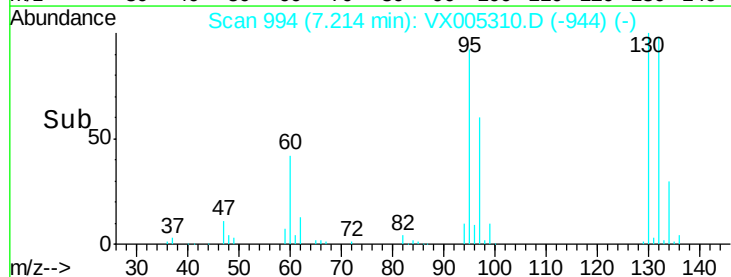
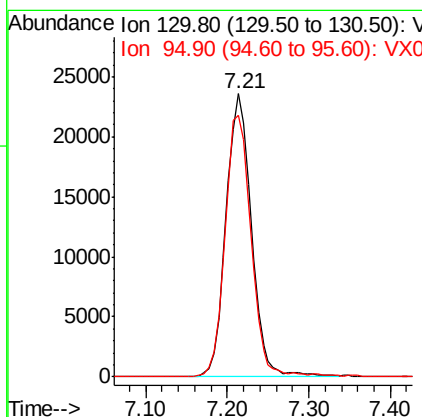
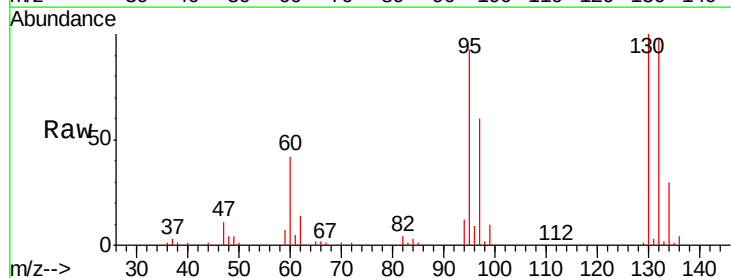
RT: 7.21 min Scan# 994

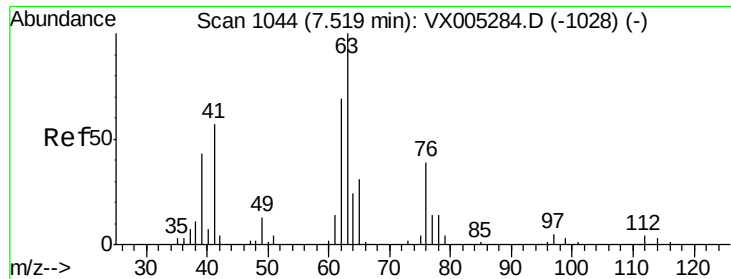
Delta R.T. 0.01 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

Tgt Ion:	130	Resp:	50894
Ion	Ratio	Lower	Upper
130	100		
95	92.6	0.0	181.6





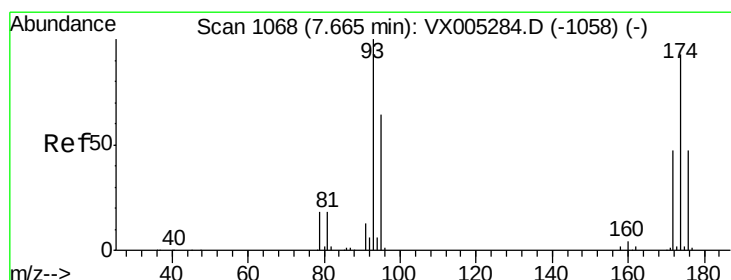
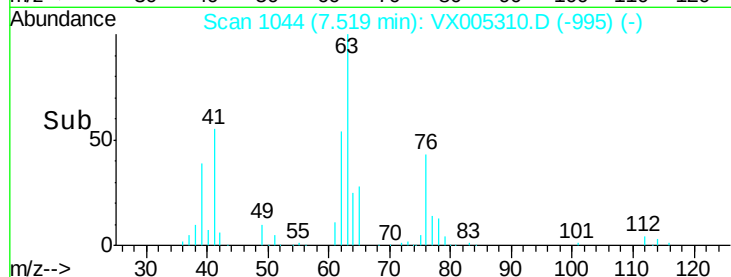
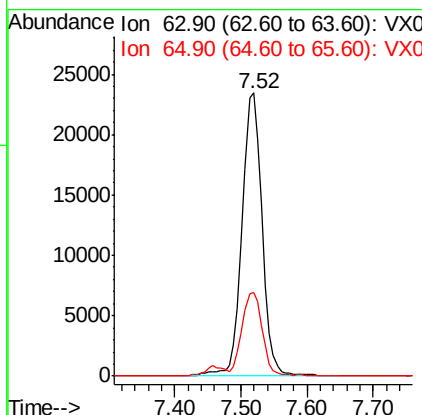
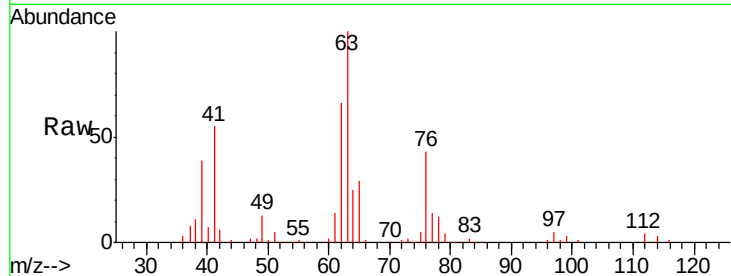
#45
 1,2-Dichloropropane
 Concen: 19.94 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: VX005310.D
 Acq: 12 Oct 2018 23:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1012WBS02

Tgt Ion: 63 Resp: 49624
 Ion Ratio Lower Upper
 63 100
 65 29.5 24.3 36.5

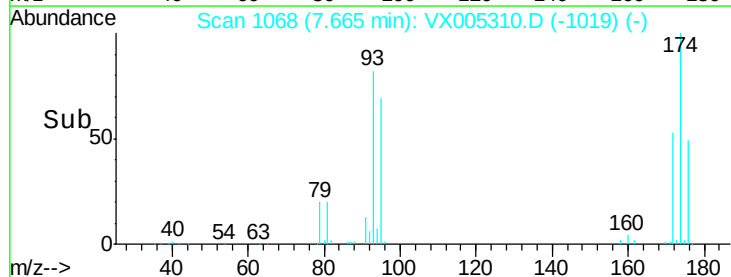
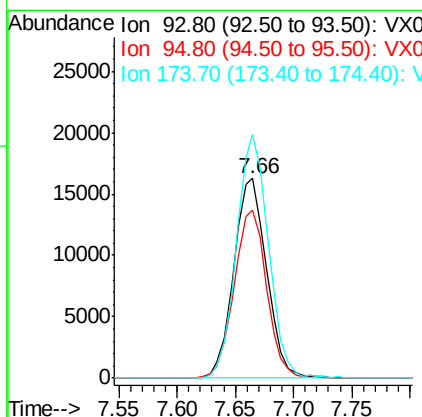
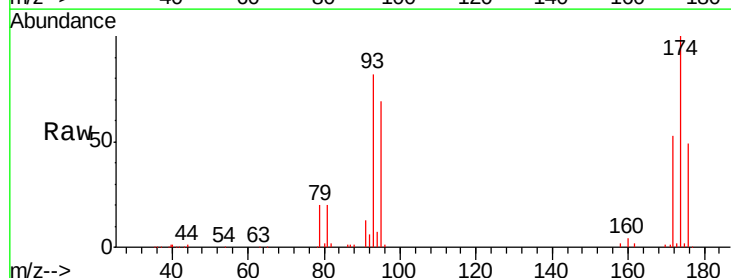
Manual Integrations
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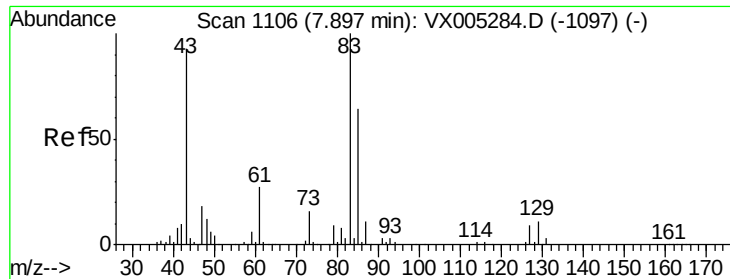
MMDadoda
 10/17/2018 1:58:33 PM



#46
 Dibromomethane
 Concen: 19.47 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VX005310.D
 Acq: 12 Oct 2018 23:38

Tgt Ion: 93 Resp: 31983
 Ion Ratio Lower Upper
 93 100
 95 83.8 65.5 98.3
 174 118.7 94.2 141.4





#47

Bromodichloromethane

Concen: 19.82 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

Instrument :

MSVOA_X

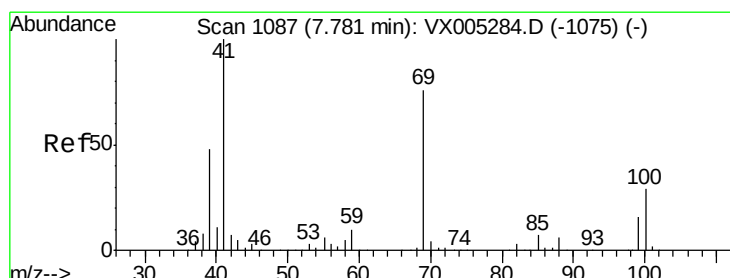
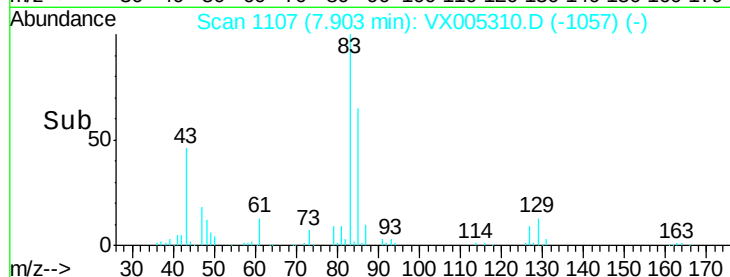
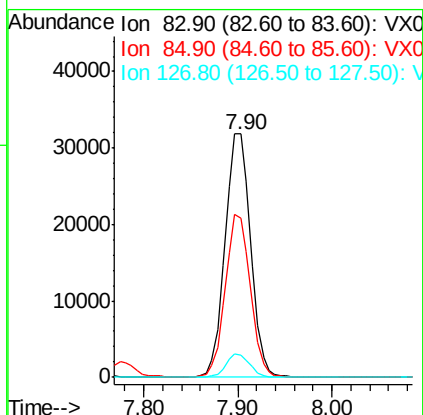
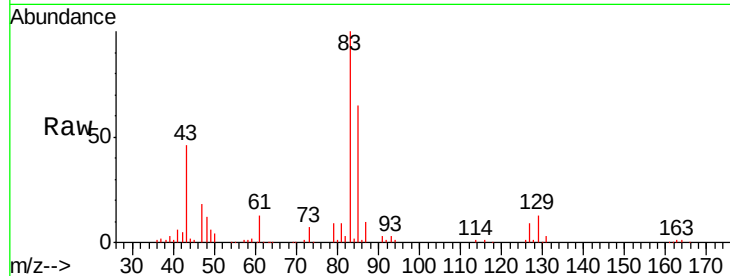
ClientSampleId :

VX1012WBS02

Tgt Ion:	83	Resp:	60221
Ion	Ratio	Lower	Upper
83	100		
85	65.2	50.9	76.3
127	9.4	7.3	10.9

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MMDadoda
10/17/2018 1:58:33 PM



#48

Methyl methacrylate

Concen: 19.48 ug/l

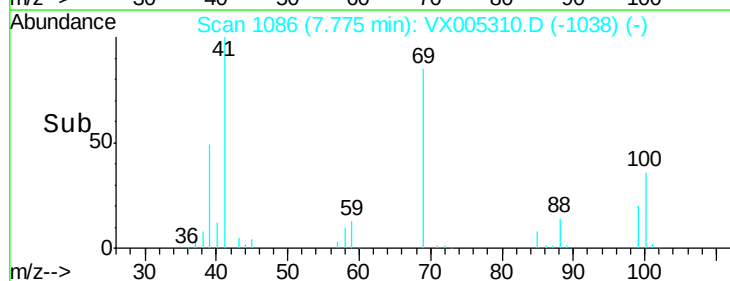
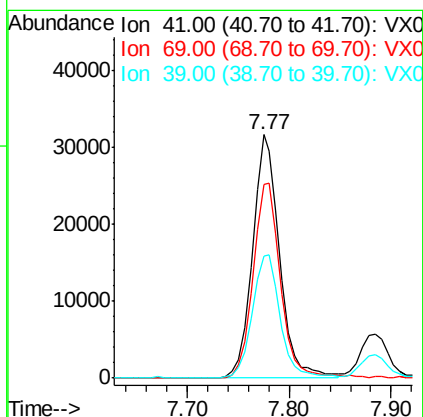
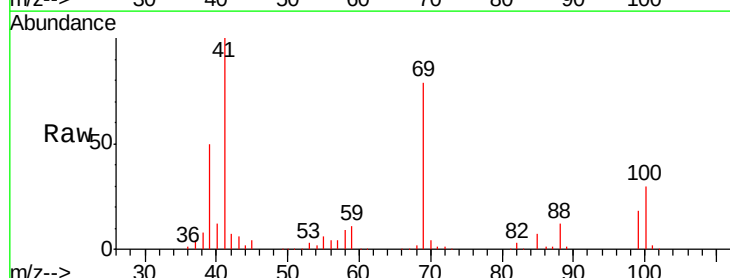
RT: 7.77 min Scan# 1086

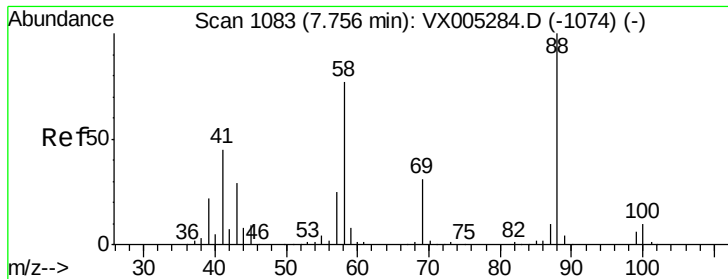
Delta R.T. -0.01 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

Tgt Ion:	41	Resp:	58539
Ion	Ratio	Lower	Upper
41	100		
69	81.7	70.2	105.4
39	52.1	42.7	64.1





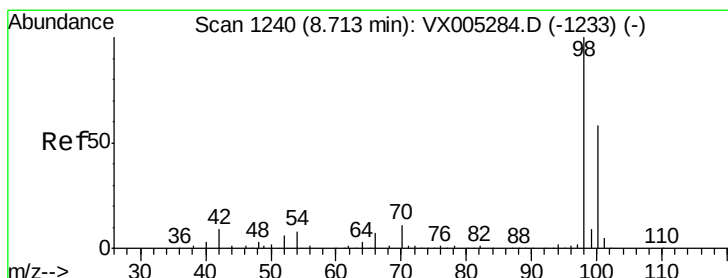
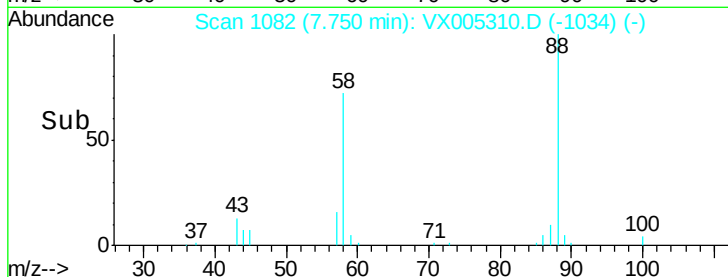
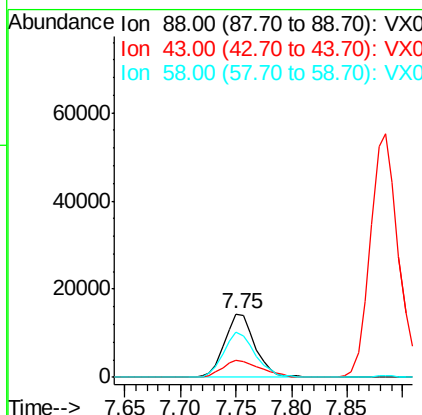
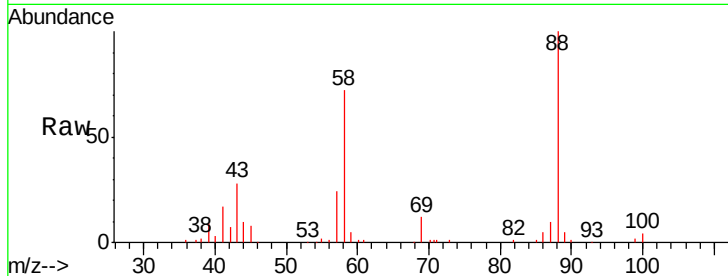
#49
1,4-Dioxane
Concen: 395.76 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX005310.D
Acq: 12 Oct 2018 23:38

Instrument :
MSVOA_X
ClientSampleId :
VX1012WBS02

Tgt Ion	Ratio	Lower	Upper
88	100		
43	33.8	24.7	37.1
58	73.8	55.3	82.9

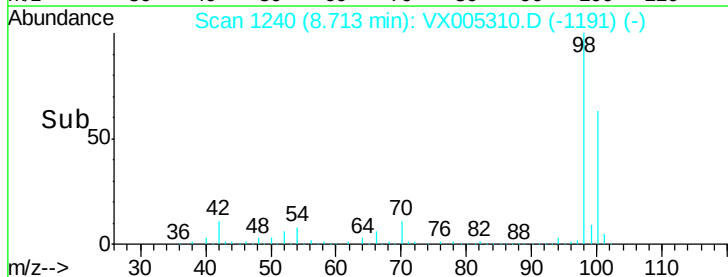
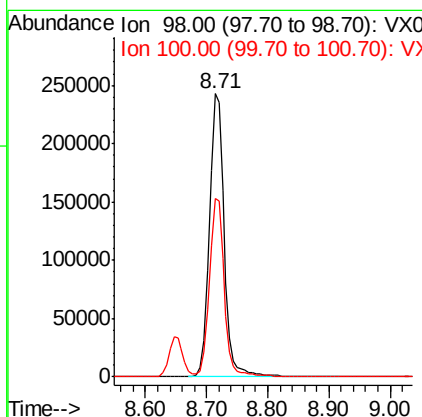
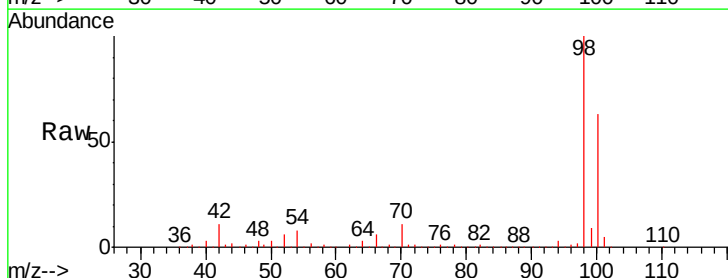
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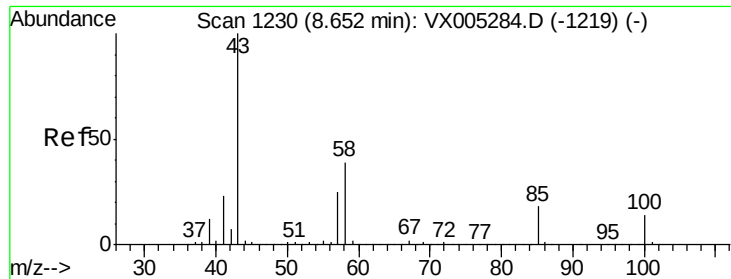
MMDadoda
10/17/2018 1:58:33 PM



#50
Toluene-d8
Concen: 51.63 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX005310.D
Acq: 12 Oct 2018 23:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.1	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 101.27 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

Instrument :

MSVOA_X

ClientSampleId :

VX1012WBS02

Tgt Ion: 43 Resp: 406272

Ion Ratio Lower Upper

43 100

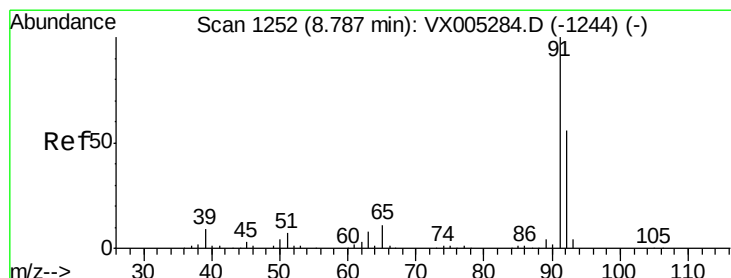
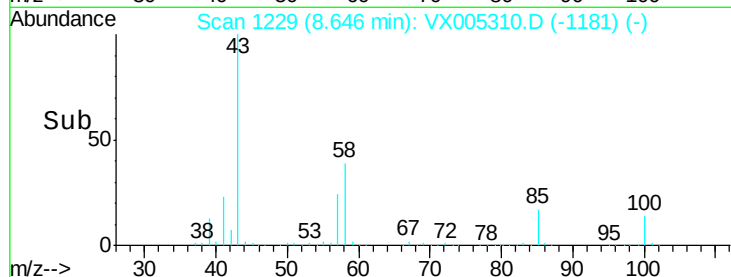
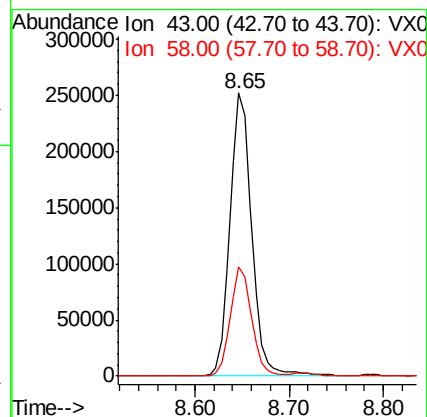
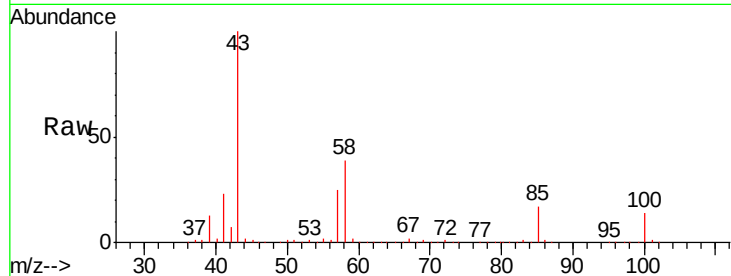
58 37.4 33.1 49.7

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MMDadoda

10/17/2018 1:58:33 PM



#52

Toluene

Concen: 20.84 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX005310.D

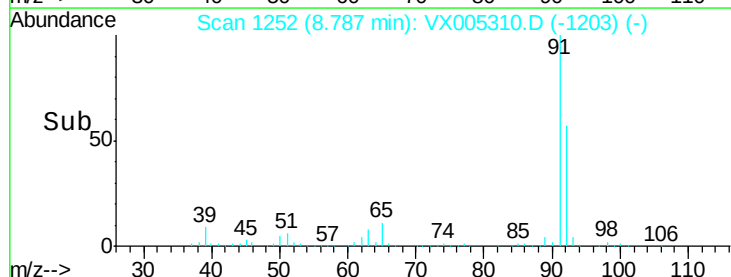
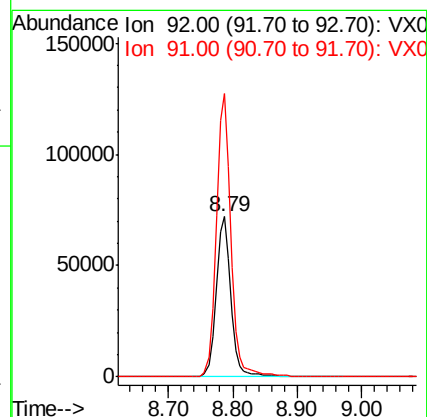
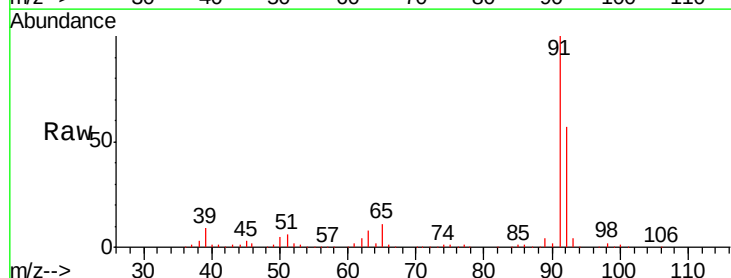
Acq: 12 Oct 2018 23:38

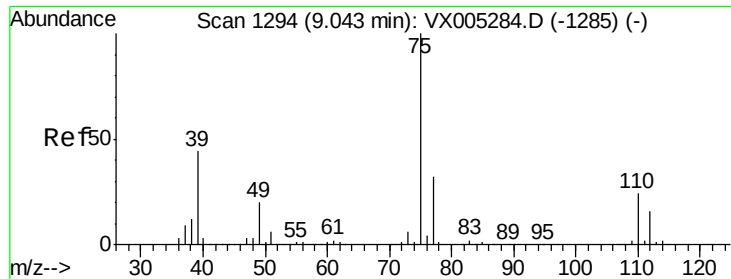
Tgt Ion: 92 Resp: 115655

Ion Ratio Lower Upper

92 100

91 175.5 136.4 204.6





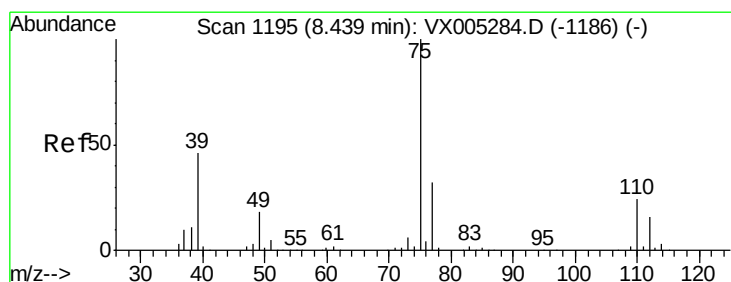
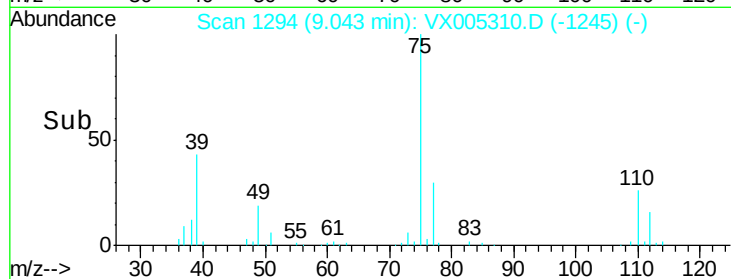
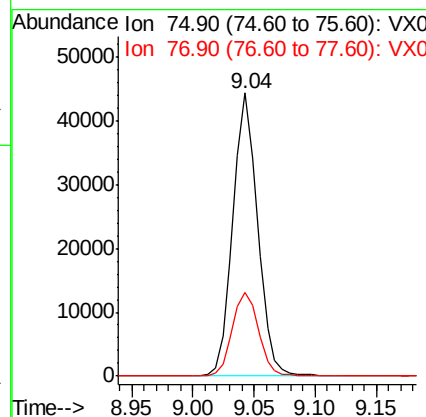
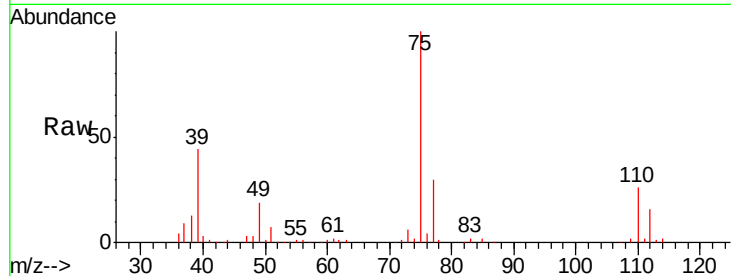
#53
 t-1,3-Dichloropropene
 Concen: 18.89 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.00 min
 Lab File: VX005310.D
 Acq: 12 Oct 2018 23:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1012WBS02

Tgt Ion: 75 Resp: 62098
 Ion Ratio Lower Upper
 75 100
 77 29.8 24.6 37.0

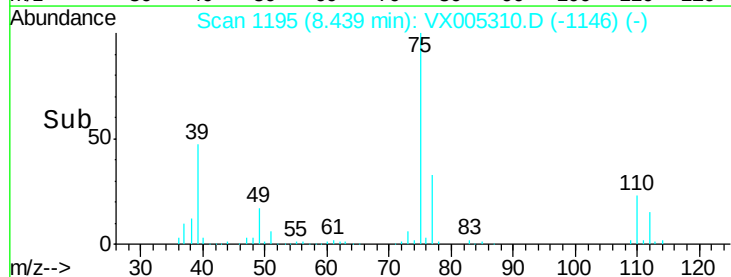
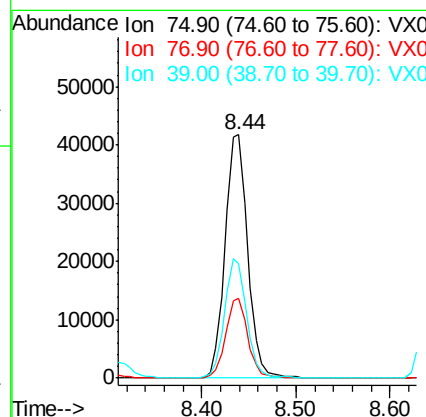
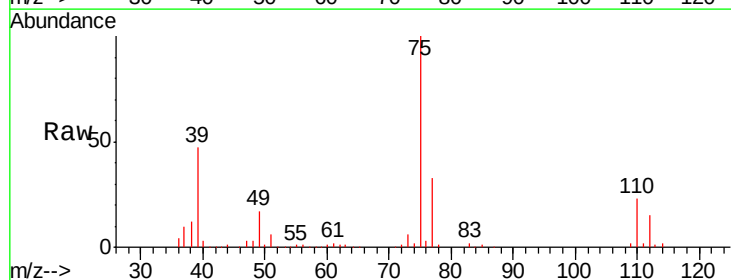
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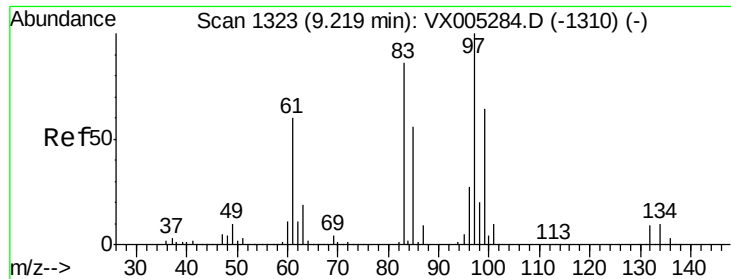
MMDadoda
 10/17/2018 1:58:33 PM



#54
 cis-1,3-Dichloropropene
 Concen: 19.50 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. 0.00 min
 Lab File: VX005310.D
 Acq: 12 Oct 2018 23:38

Tgt Ion: 75 Resp: 69483
 Ion Ratio Lower Upper
 75 100
 77 33.0 26.2 39.2
 39 46.7 36.4 54.6





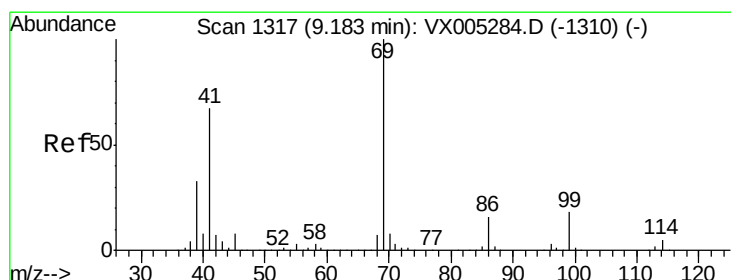
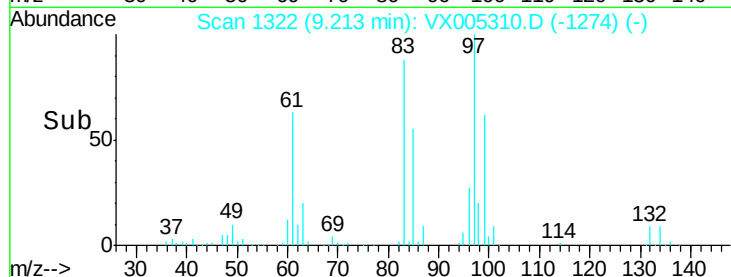
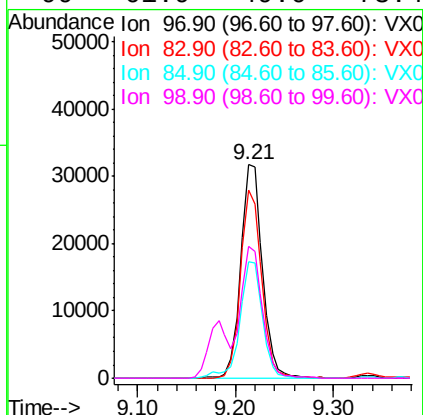
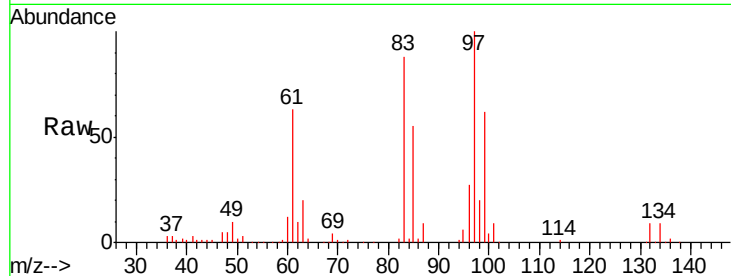
#55
 1,1,2-Trichloroethane
 Concen: 20.73 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: VX005310.D
 Acq: 12 Oct 2018 23:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1012WBS02

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.8	66.4	99.6
85	54.8	43.3	64.9
99	61.9	49.0	73.4

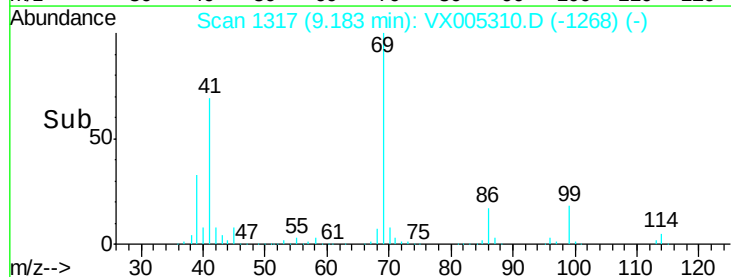
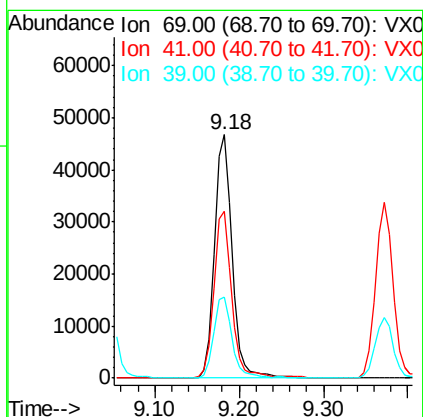
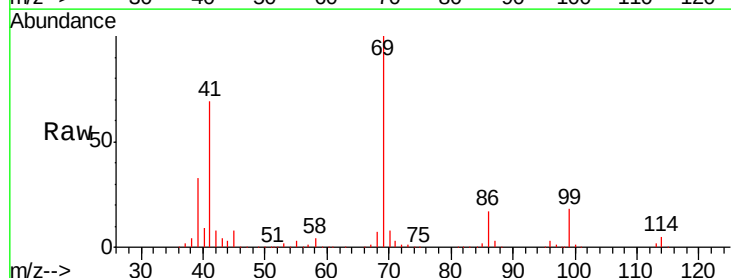
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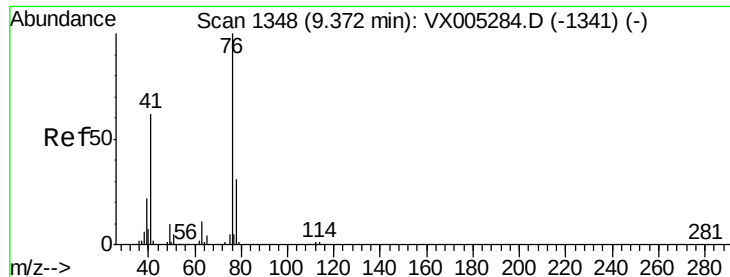
MMDadoda
 10/17/2018 1:58:33 PM



#56
 Ethyl methacrylate
 Concen: 19.98 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX005310.D
 Acq: 12 Oct 2018 23:38

Tgt Ion	Ratio	Lower	Upper
69	100		
41	68.9	51.0	76.4
39	33.5	26.1	39.1





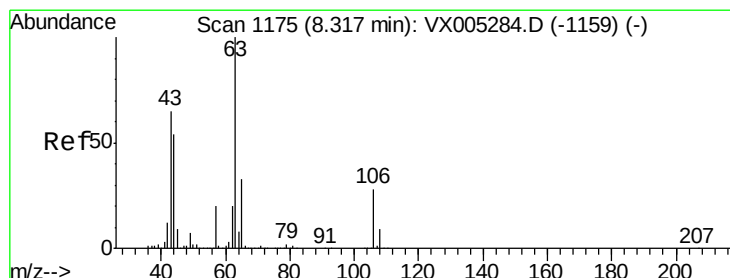
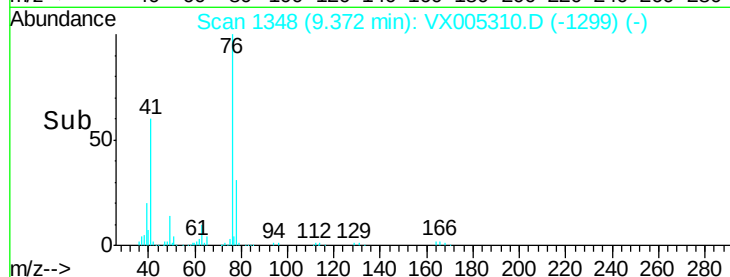
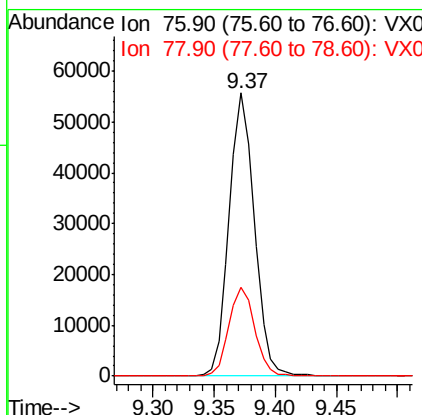
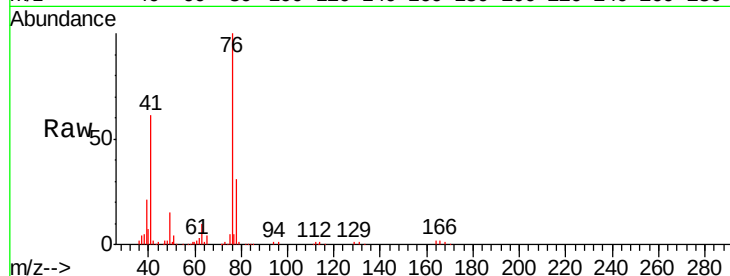
#57
 1,3-Dichloropropane
 Concen: 20.33 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX005310.D
 Acq: 12 Oct 2018 23:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1012WBS02

Tgt Ion: 76 Resp: 79792
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.5 38.3

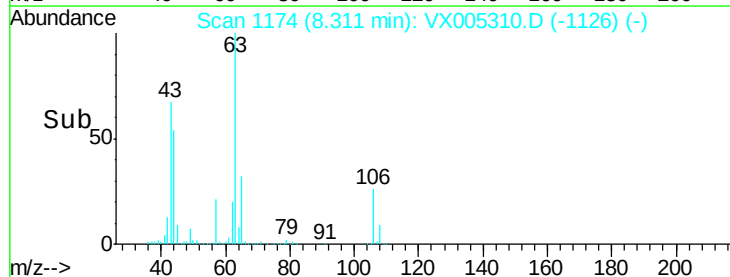
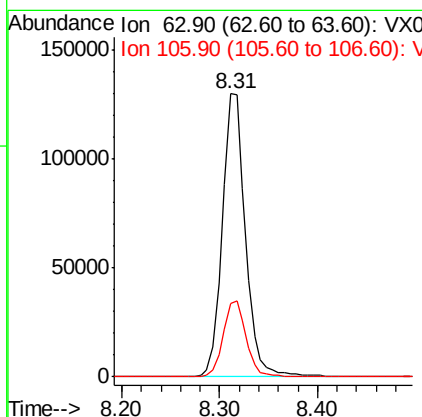
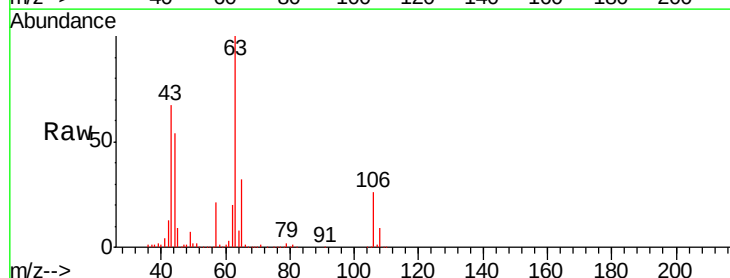
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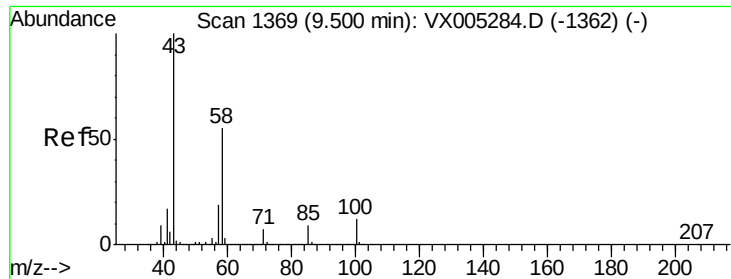
MMDadoda
 10/17/2018 1:58:33 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 110.84 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VX005310.D
 Acq: 12 Oct 2018 23:38

Tgt Ion: 63 Resp: 213046
 Ion Ratio Lower Upper
 63 100
 106 26.9 23.9 35.9





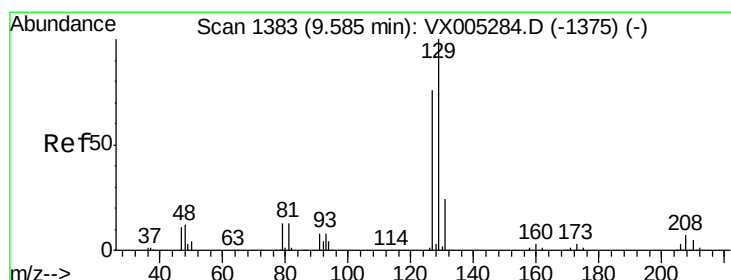
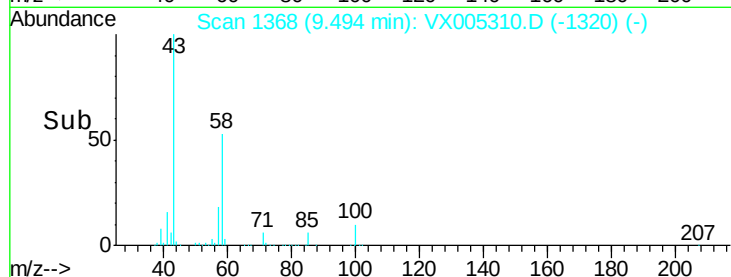
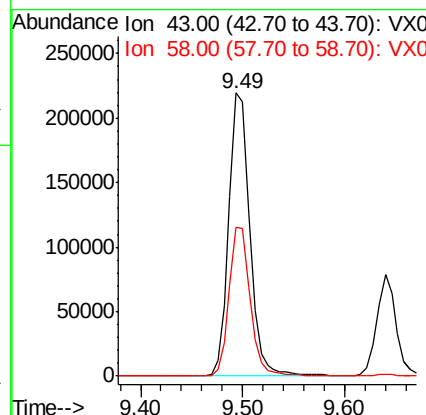
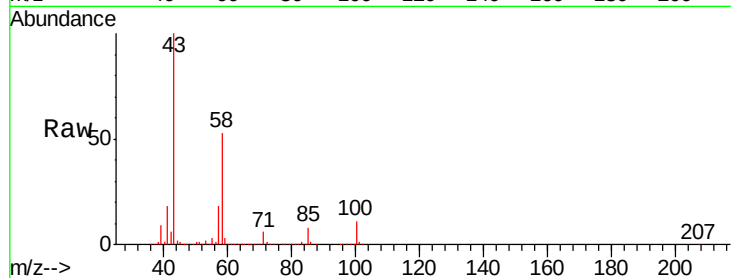
#59
2-Hexanone
Concen: 98.08 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005310.D
Acq: 12 Oct 2018 23:38

Instrument :
MSVOA_X
ClientSampleId :
VX1012WBS02

Tgt Ion: 43 Resp: 316538
Ion Ratio Lower Upper
43 100
58 52.8 29.0 87.0

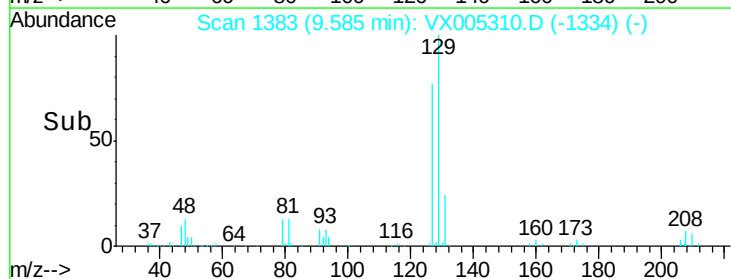
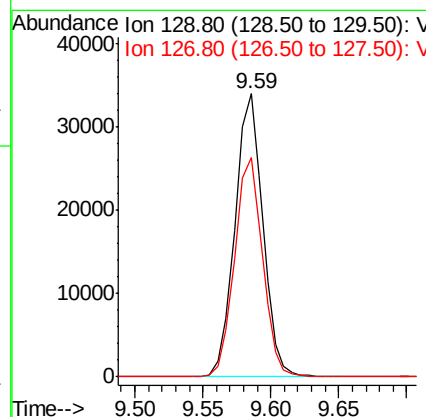
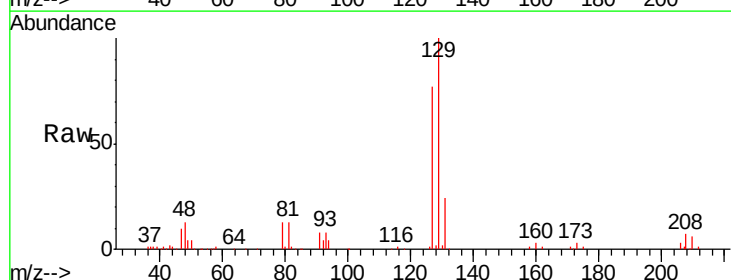
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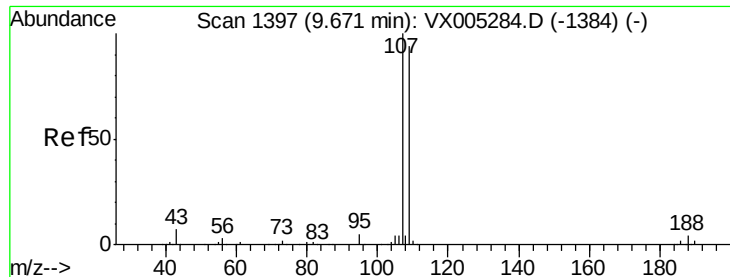
MMDadoda
10/17/2018 1:58:33 PM



#60
Dibromochloromethane
Concen: 19.92 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX005310.D
Acq: 12 Oct 2018 23:38

Tgt Ion: 129 Resp: 48418
Ion Ratio Lower Upper
129 100
127 77.8 38.5 115.5





#61

1,2-Dibromoethane

Concen: 20.12 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

Instrument :

MSVOA_X

ClientSampleId :

VX1012WBS02

Tgt Ion: 107 Resp: 49653

Ion Ratio Lower Upper

107 100

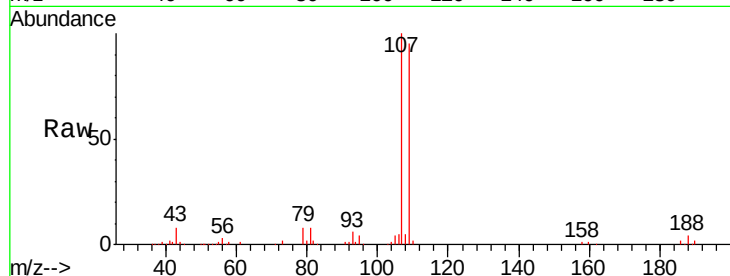
109 95.8 76.0 114.0

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

40000

30000

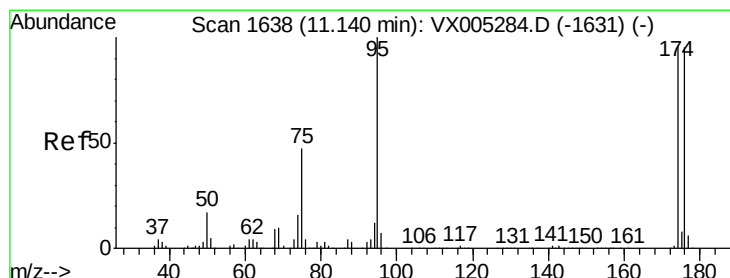
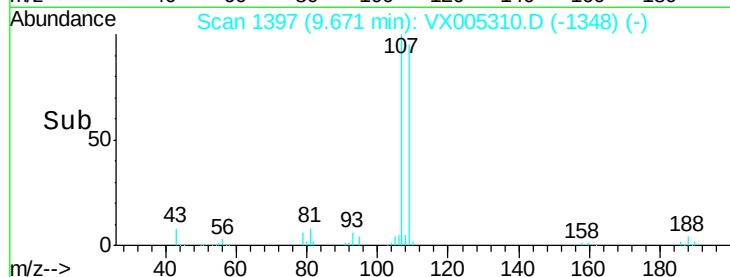
20000

10000

0

Time-->

9.60 9.70 9.80



#62

4-Bromofluorobenzene

Concen: 49.31 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

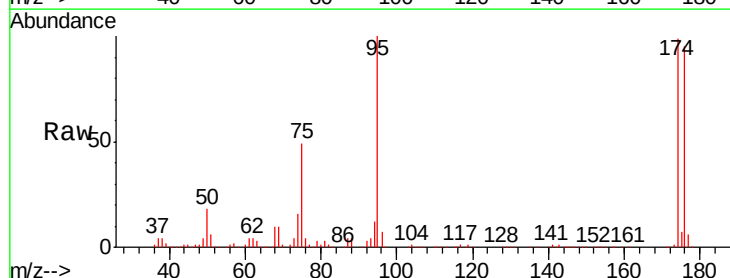
Tgt Ion: 95 Resp: 147083

Ion Ratio Lower Upper

95 100

174 94.9 0.0 185.2

176 91.3 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

150000

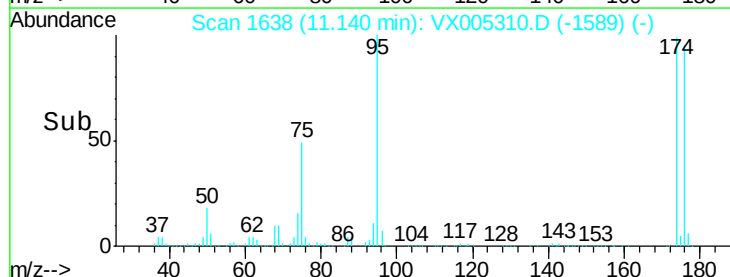
100000

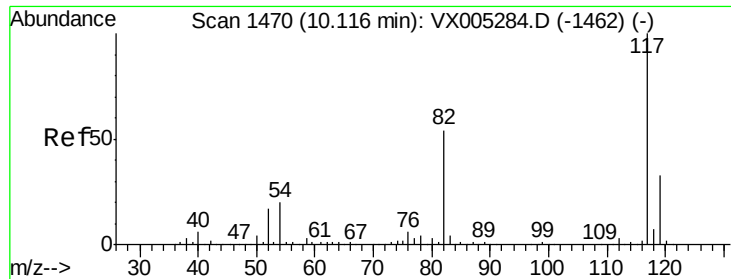
50000

0

Time-->

11.10 11.20





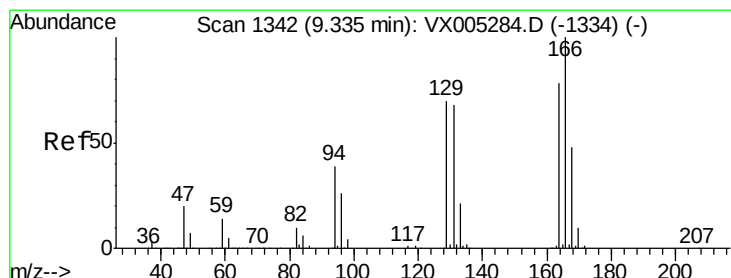
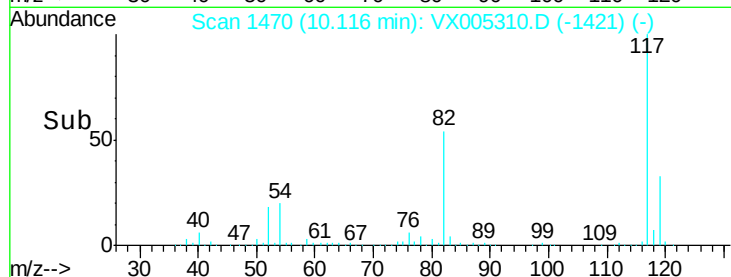
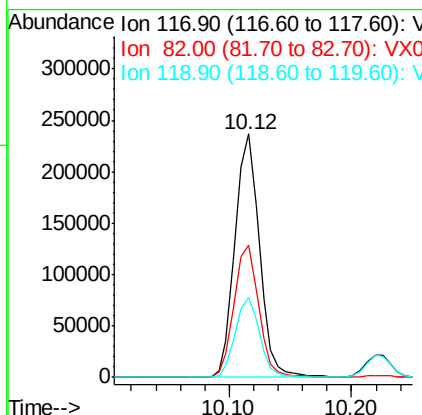
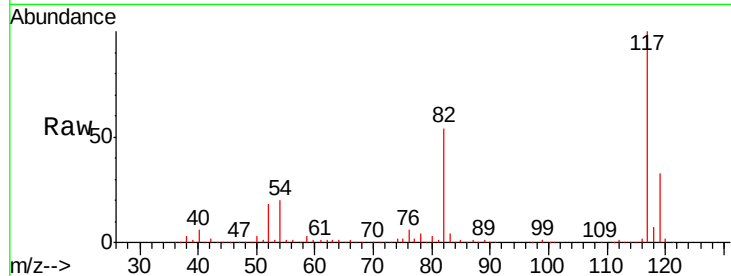
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005310.D
Acq: 12 Oct 2018 23:38

Instrument :
MSVOA_X
ClientSampleId :
VX1012WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	328930		
82	54.4	47.8	71.6	
119	32.8	29.3	43.9	

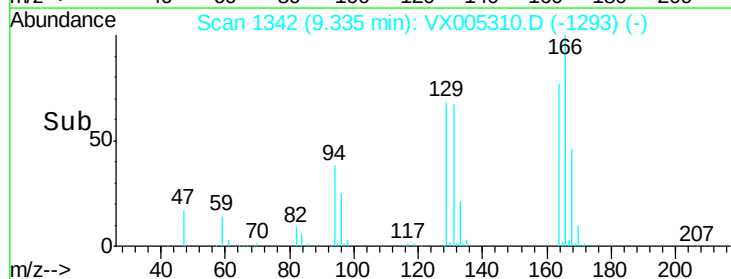
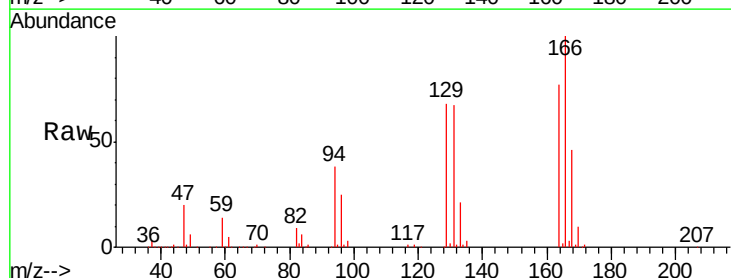
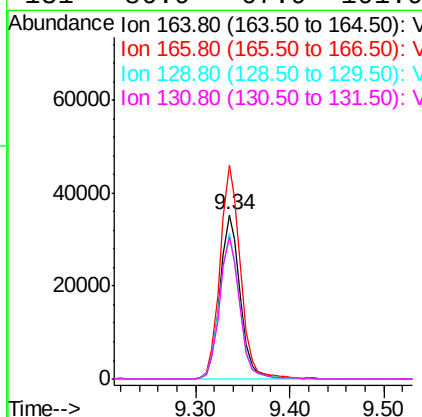
Manual Integrations
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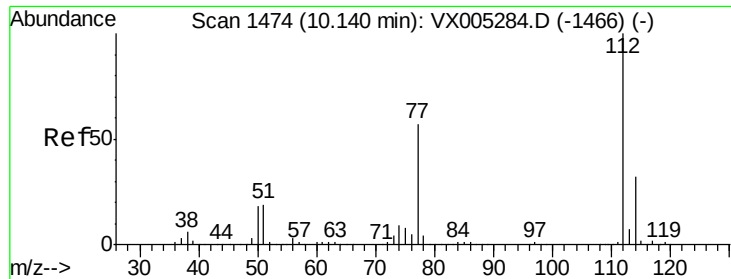
MMDadoda
10/17/2018 1:58:33 PM



#64
Tetrachloroethene
Concen: 19.96 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX005310.D
Acq: 12 Oct 2018 23:38

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	52855		
166	130.1	102.8	154.2	
129	88.6	69.4	104.0	
131	86.9	67.9	101.9	





#65

Chlorobenzene

Concen: 18.51 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

Instrument :

MSVOA_X

ClientSampleId :

VX1012WBS02

Tgt Ion:112 Resp: 129484

Ion Ratio Lower Upper

112 100

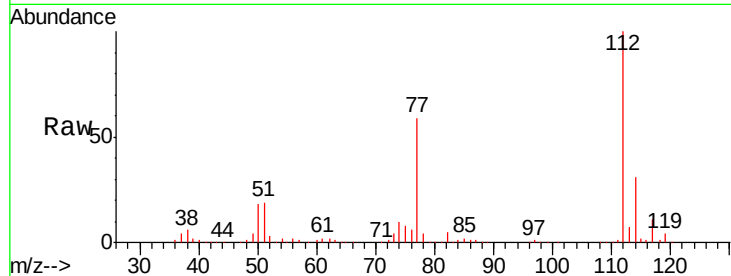
114 31.2 27.8 41.8

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

100000

80000

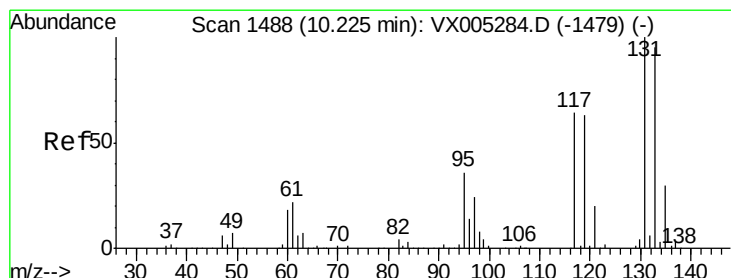
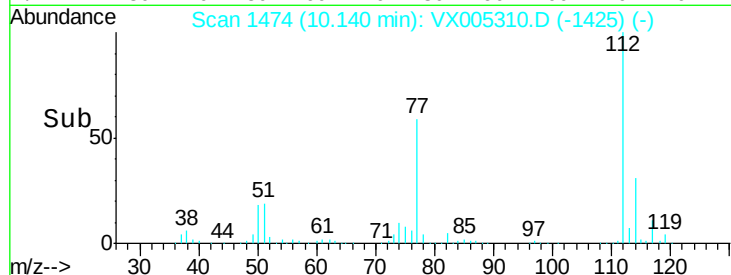
60000

40000

20000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 18.92 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.01 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

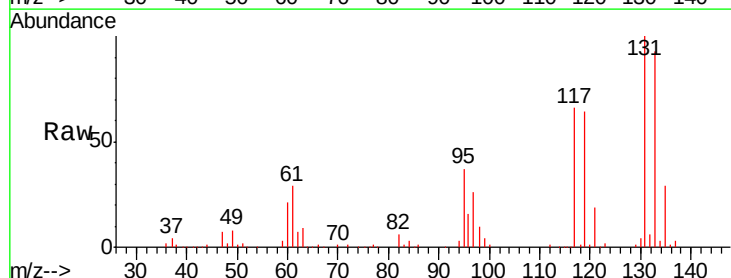
Tgt Ion:131 Resp: 47184

Ion Ratio Lower Upper

131 100

133 95.7 48.1 144.4

119 64.4 32.9 98.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.22

40000

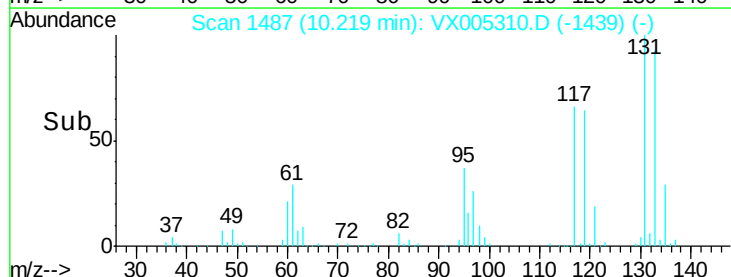
30000

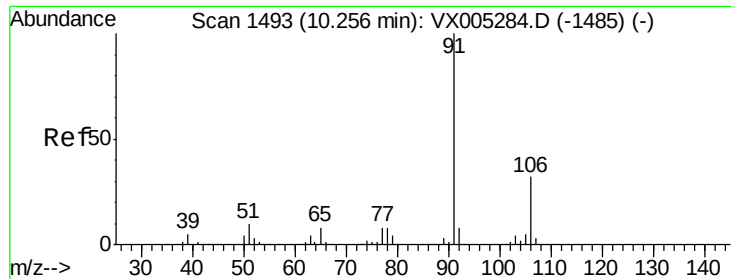
20000

10000

0

Time-->





#67

Ethyl Benzene

Concen: 18.87 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

Instrument :

MSVOA_X

ClientSampleId :

VX1012WBS02

Tgt Ion: 91 Resp: 214677

Ion Ratio Lower Upper

91 100

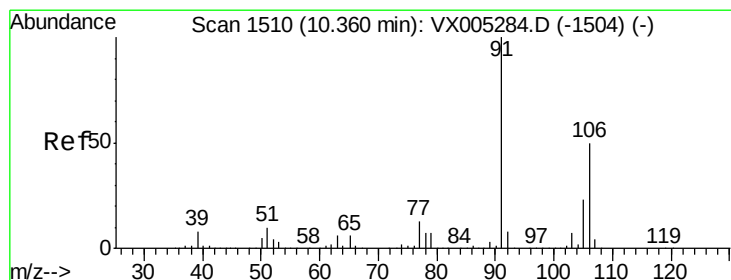
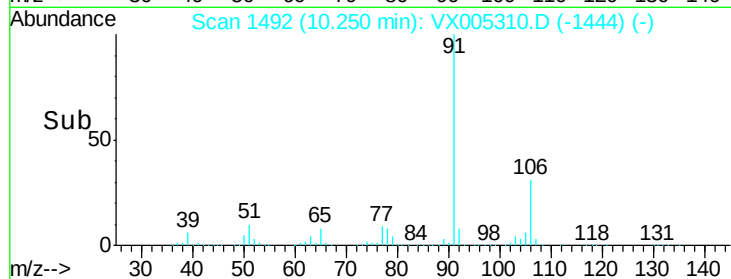
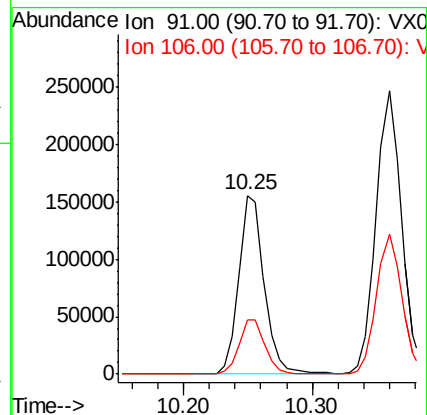
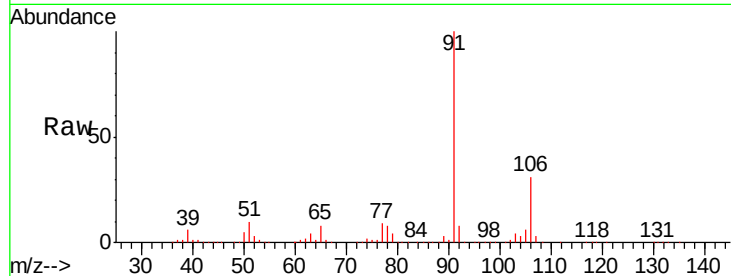
106 30.6 25.9 38.9

Manual Integrations

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#68

m/p-Xylenes

Concen: 38.44 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX005310.D

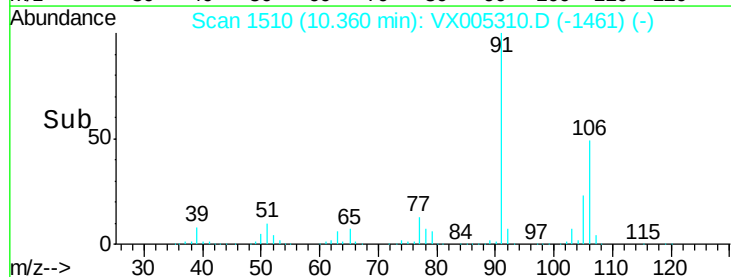
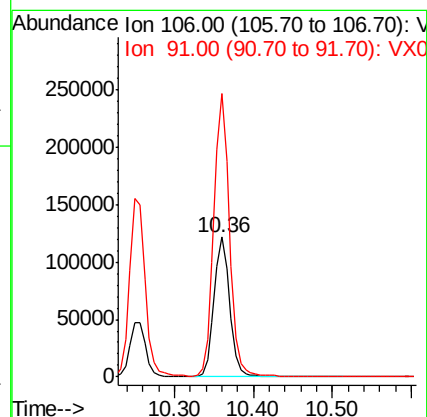
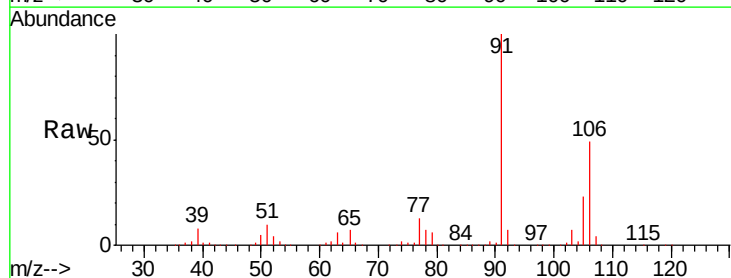
Acq: 12 Oct 2018 23:38

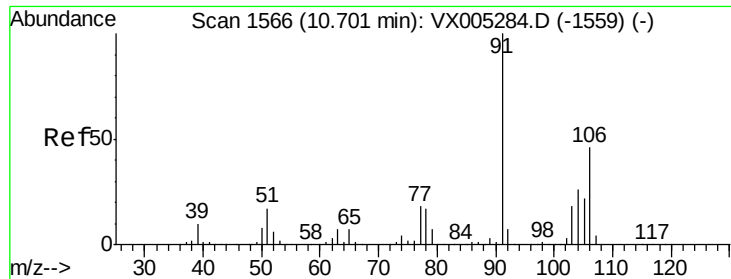
Tgt Ion: 106 Resp: 169688

Ion Ratio Lower Upper

106 100

91 201.9 157.1 235.7





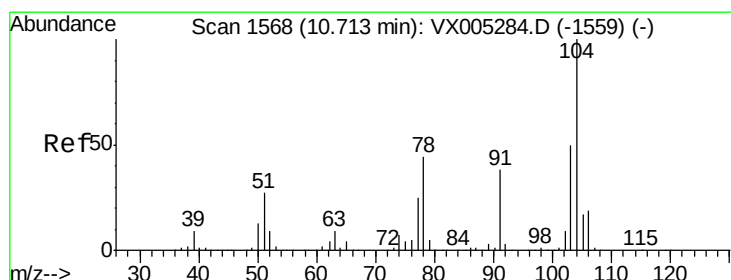
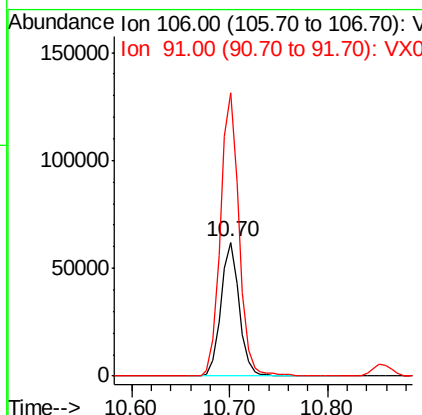
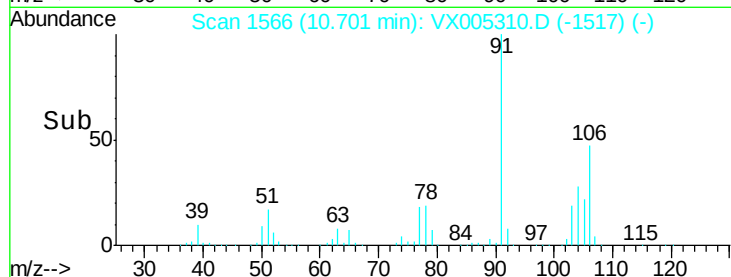
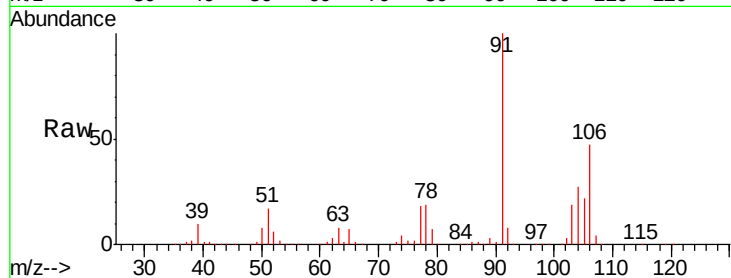
#69
o-Xylene
Concen: 18.97 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX005310.D
Acq: 12 Oct 2018 23:38

Instrument :
MSVOA_X
ClientSampled :
VX1012WBS02

Tgt Ion:106 Resp: 80762
Ion Ratio Lower Upper
106 100
91 214.0 105.1 315.1

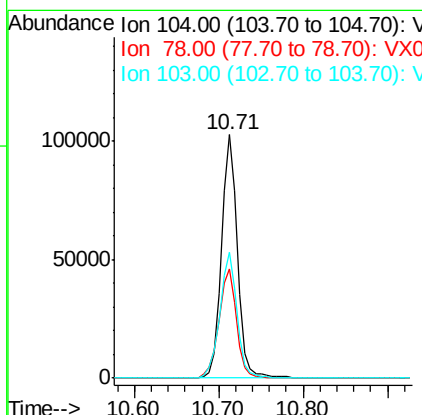
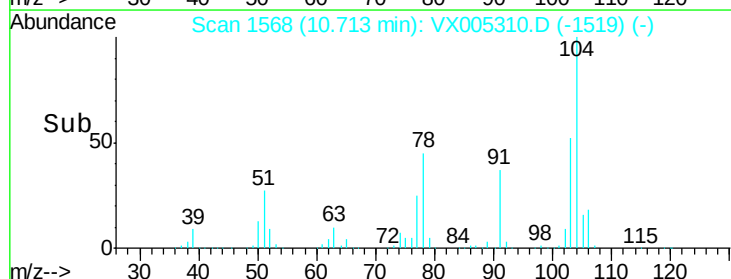
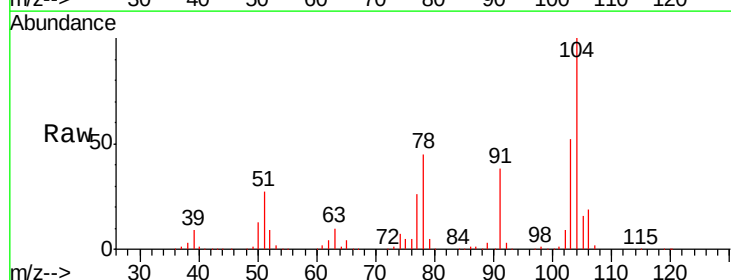
Manual Integrations
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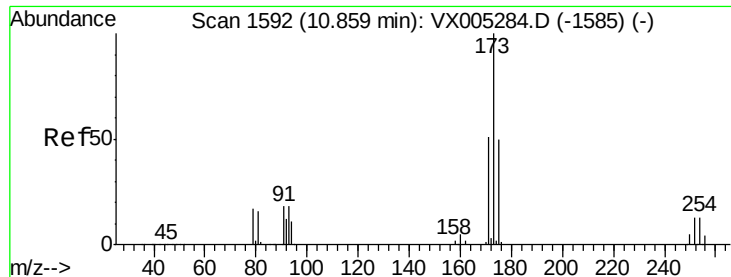
MMDadoda
10/17/2018 1:58:33 PM



#70
Styrene
Concen: 19.33 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX005310.D
Acq: 12 Oct 2018 23:38

Tgt Ion:104 Resp: 135358
Ion Ratio Lower Upper
104 100
78 49.9 37.4 56.0
103 55.7 43.8 65.6





#71

Bromoform

Concen: 17.87 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

Instrument :

MSVOA_X

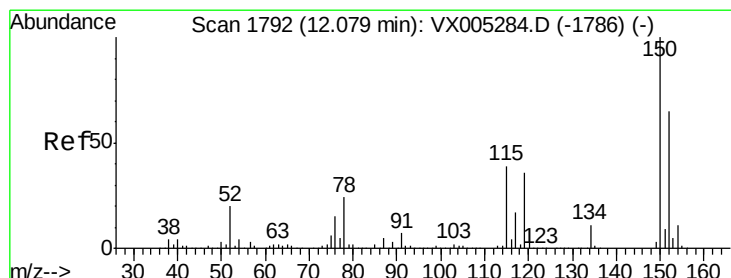
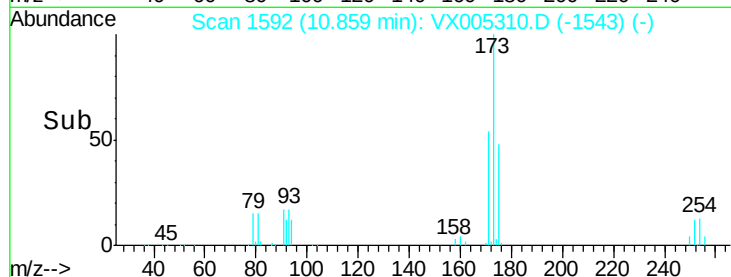
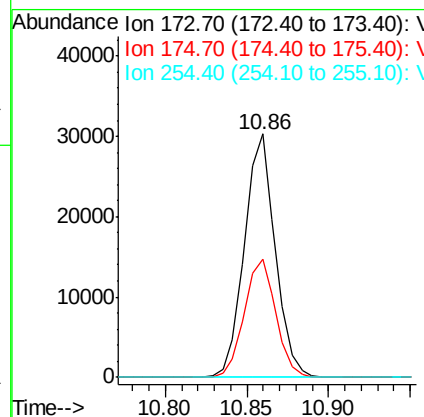
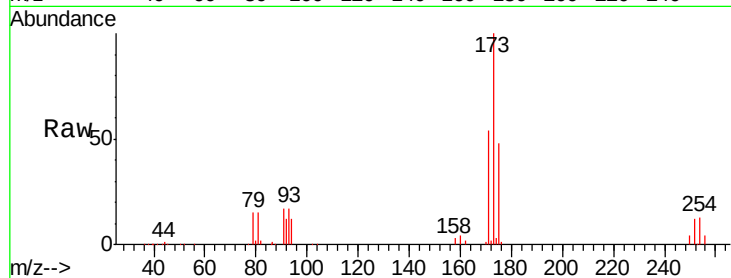
ClientSampleId :

VX1012WBS02

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.1	72.3
254	0.0	0.2	0.2

Manual Integrations
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MMDadoda
10/17/2018 1:58:33 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

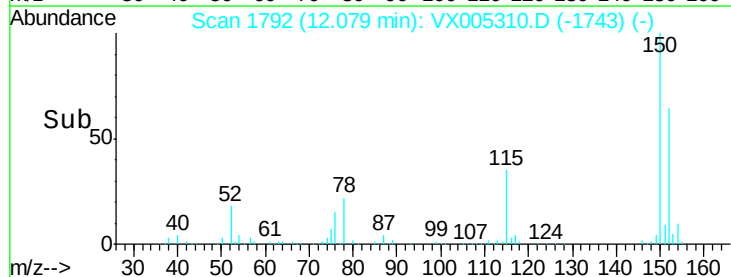
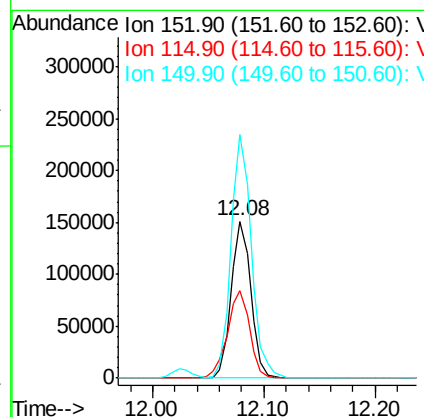
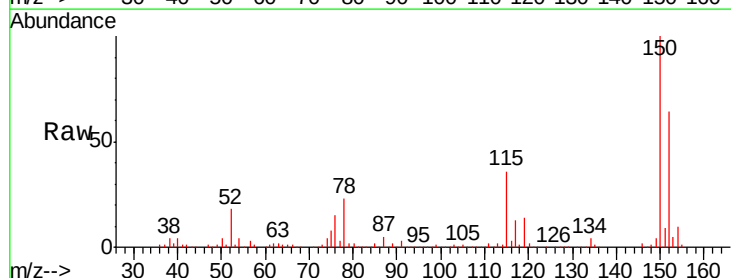
RT: 12.08 min Scan# 1792

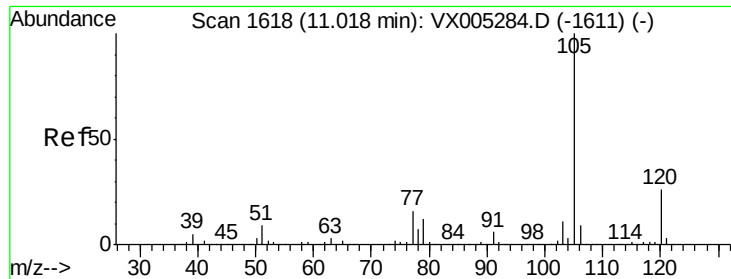
Delta R.T. 0.00 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.3	39.0	117.0
150	161.2	0.0	351.0





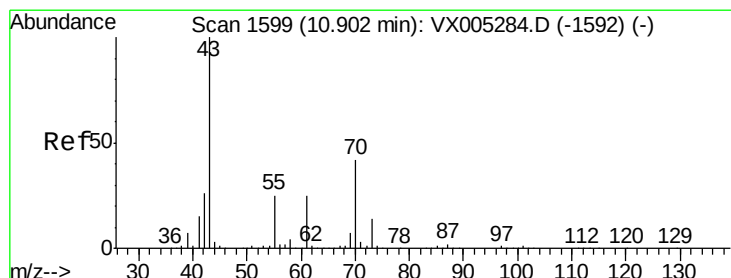
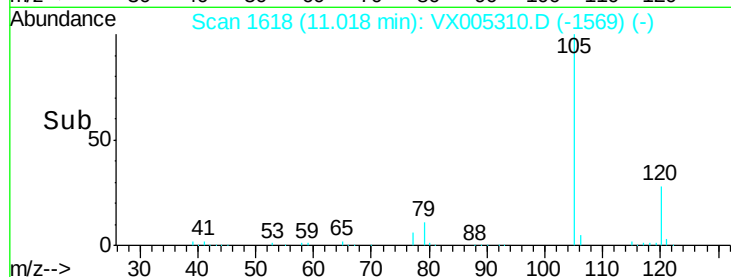
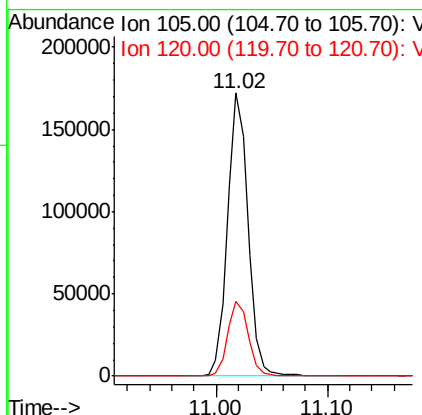
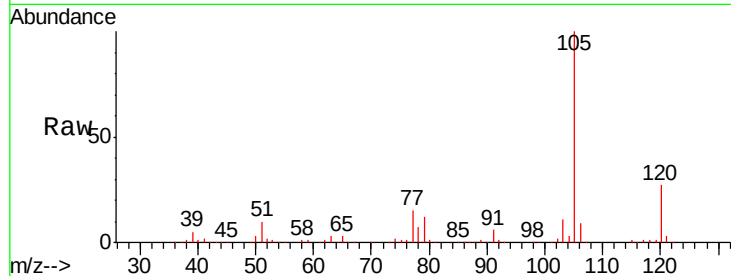
#73
Isopropylbenzene
Concen: 20.09 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX005310.D
Acq: 12 Oct 2018 23:38

Instrument :
MSVOA_X
ClientSampleId :
VX1012WBS02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.5	40.4

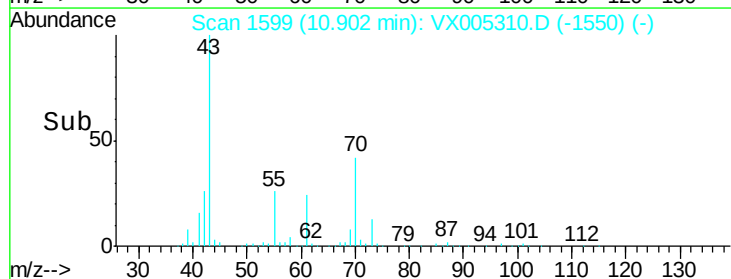
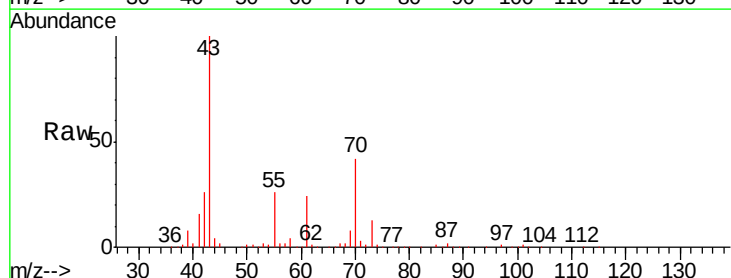
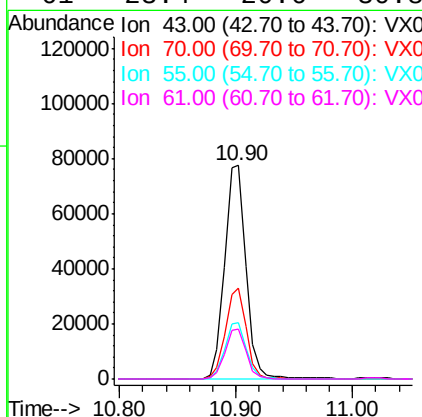
Manual Integrations
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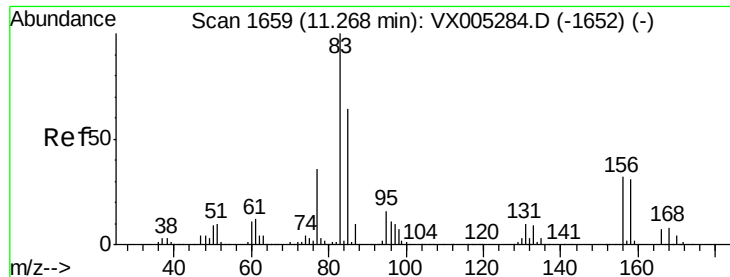
MMDadoda
10/17/2018 1:58:33 PM



#74
N-ethyl acetate
Concen: 18.62 ug/l
RT: 10.90 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VX005310.D
Acq: 12 Oct 2018 23:38

Tgt Ion	Ratio	Lower	Upper
43	100		
70	41.7	37.4	56.0
55	27.0	21.8	32.8
61	23.4	20.6	30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 18.38 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

Instrument :

MSVOA_X

ClientSampleId :

VX1012WBS02

Tgt Ion: 83 Resp: 75981

Ion Ratio Lower Upper

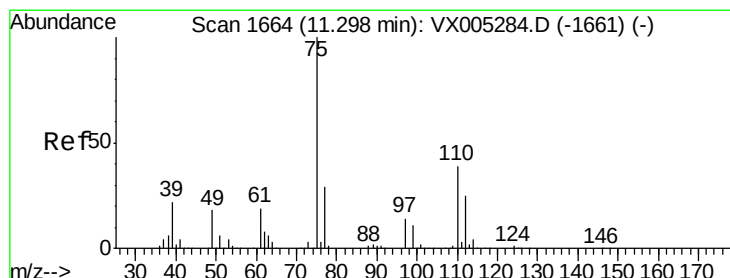
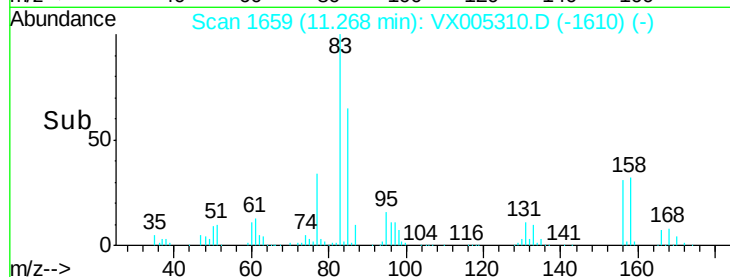
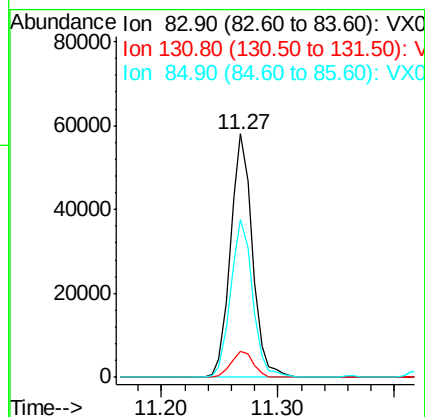
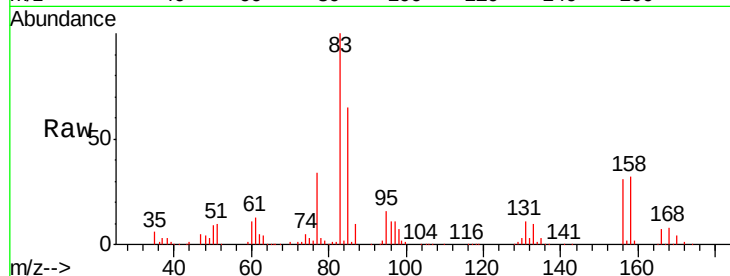
83 100

131 11.0 5.2 15.6

85 65.3 32.3 96.8

Manual Integrations
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10/17/2018 1:58:33 PM



#76

1,2,3-Trichloropropane

Concen: 19.93 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX005310.D

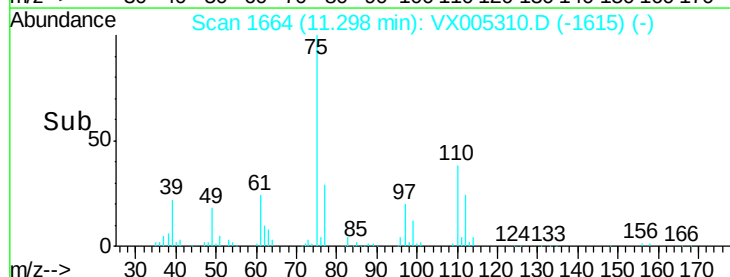
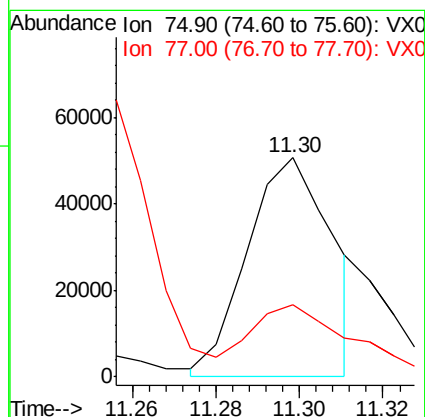
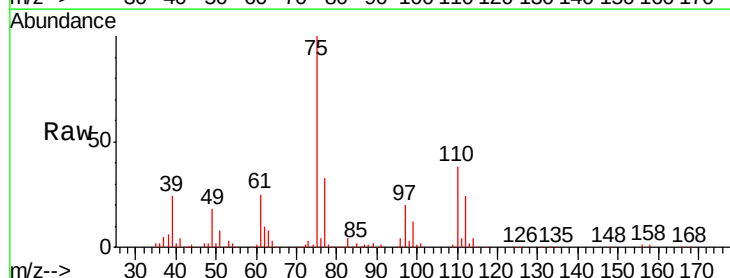
Acq: 12 Oct 2018 23:38

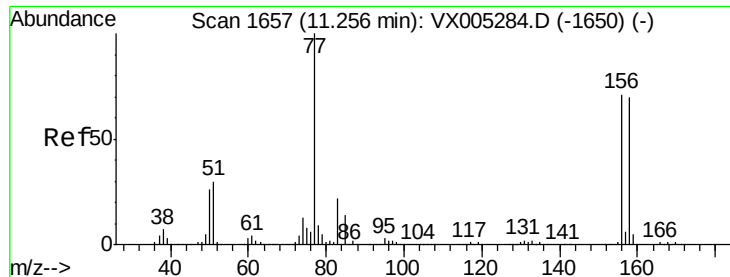
Tgt Ion: 75 Resp: 71265

Ion Ratio Lower Upper

75 100

77 39.2 20.2 60.6





#77

Bromobenzene

Concen: 19.39 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

Instrument :

MSVOA_X

ClientSampleId :

VX1012WBS02

Tgt Ion:156 Resp: 60767

Ion Ratio Lower Upper

156 100

77 143.2 71.5 214.3

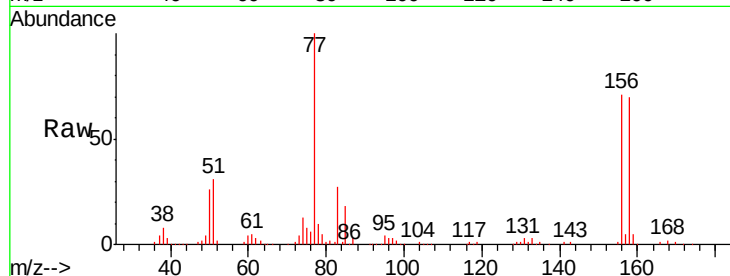
158 98.7 48.9 146.8

Manual Integrations

APPROVED

MMDadoda

10/17/2018 1:58:33 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V

80000

60000

40000

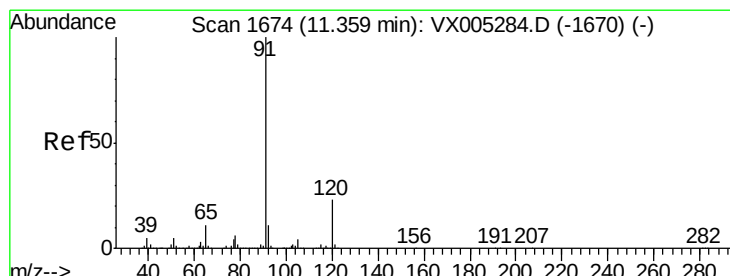
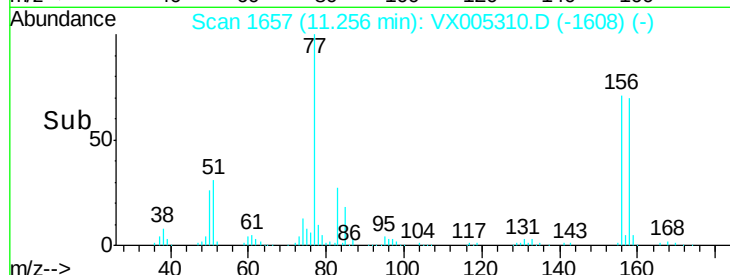
20000

0

11.20

11.30

Time-->



#78

n-propylbenzene

Concen: 19.80 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX005310.D

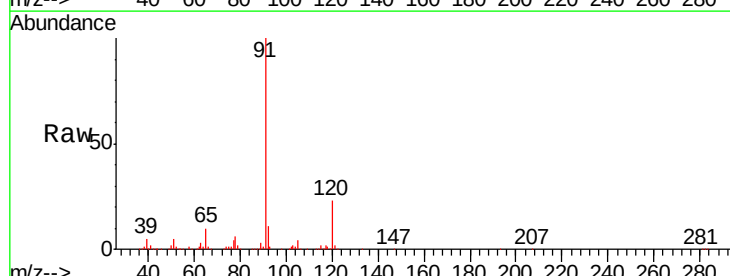
Acq: 12 Oct 2018 23:38

Tgt Ion: 91 Resp: 249726

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

250000

200000

150000

100000

50000

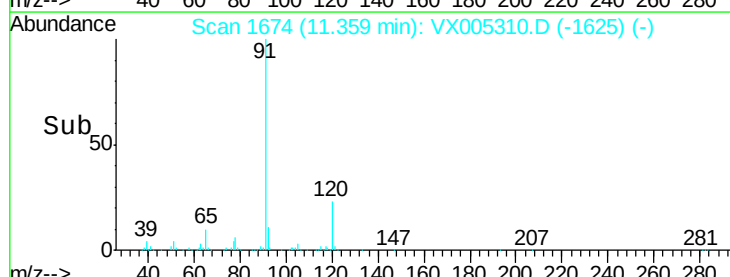
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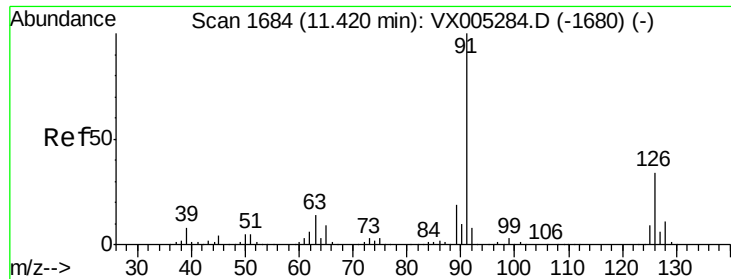
11.30

11.35

11.40

Time-->





#79

2-Chlorotoluene

Concen: 19.80 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

Instrument :

MSVOA_X

ClientSampleId :

VX1012WBS02

Tgt Ion: 91 Resp: 152932

Ion Ratio Lower Upper

91 100

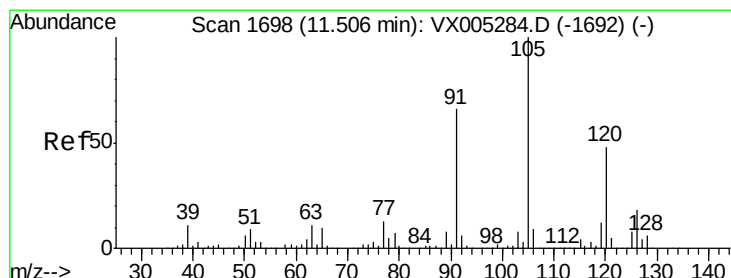
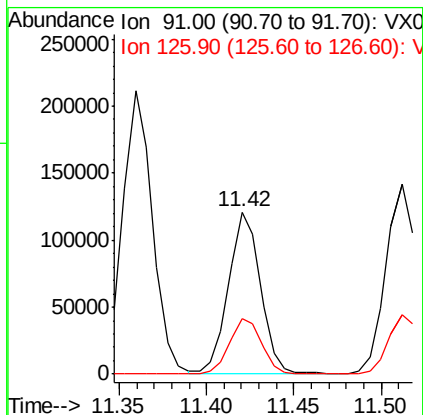
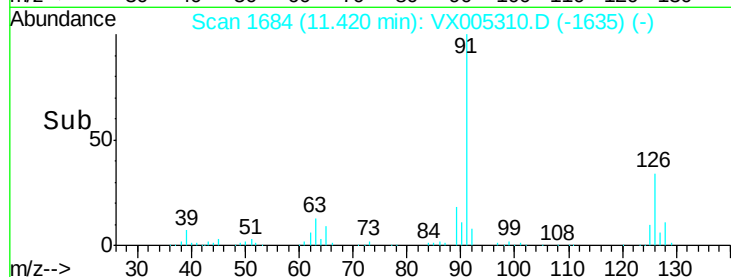
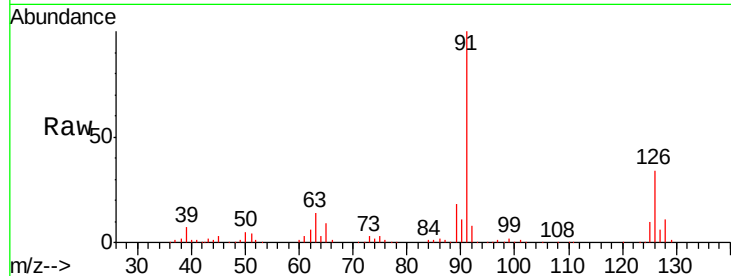
126 35.1 17.9 53.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.98 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX005310.D

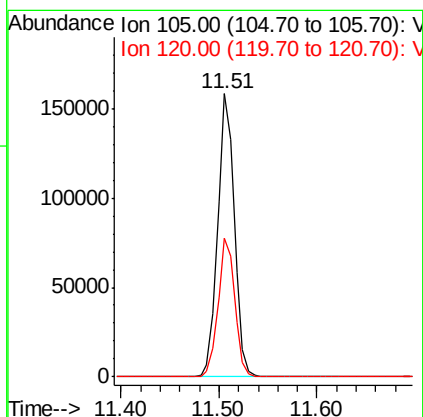
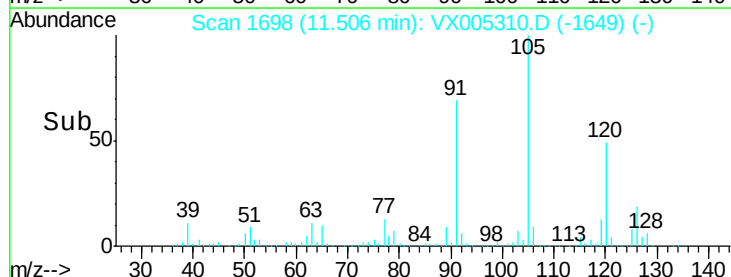
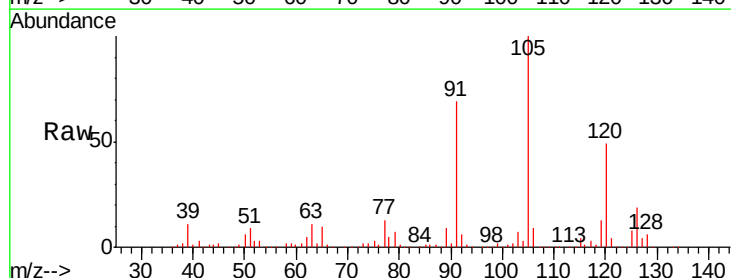
Acq: 12 Oct 2018 23:38

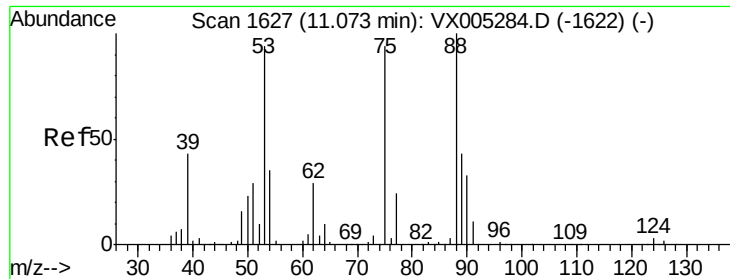
Tgt Ion: 105 Resp: 187481

Ion Ratio Lower Upper

105 100

120 48.9 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 16.34 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX005310.D

Acq: 12 Oct 2018 23:38

Instrument :

MSVOA_X

ClientSampleId :

VX1012WBS02

Tgt Ion: 75 Resp: 19228

Ion Ratio Lower Upper

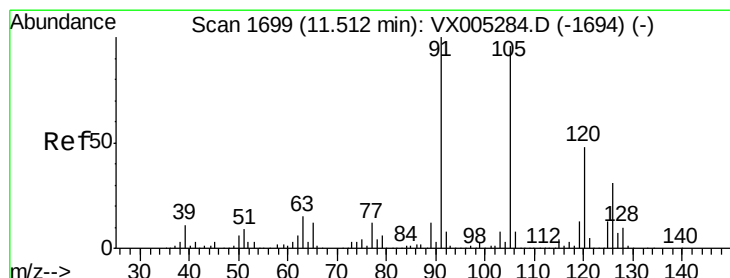
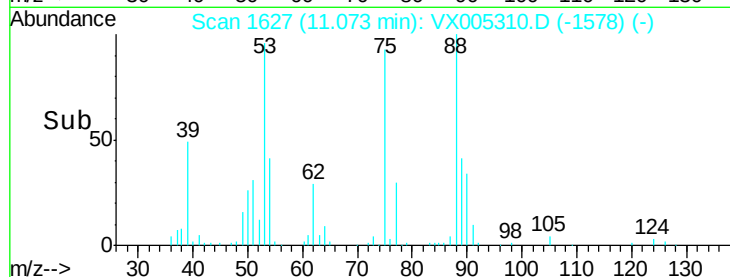
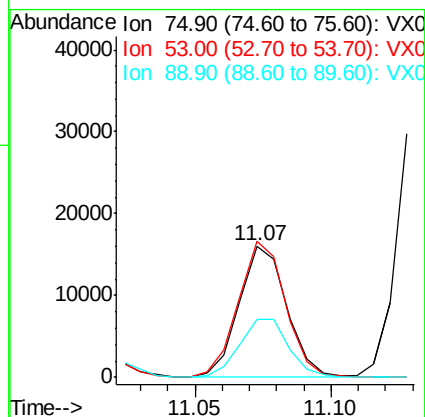
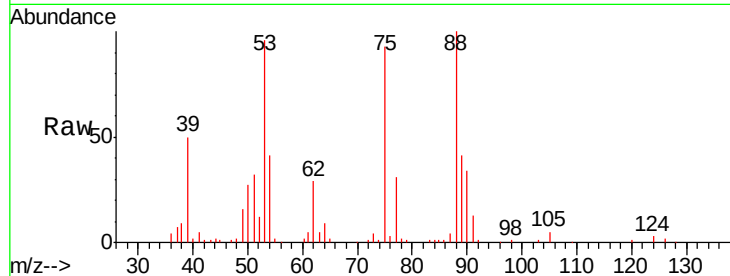
75 100

53 105.9 80.1 120.1

89 46.5 37.2 55.8

Manual Integrations
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MMDadoda
10/17/2018 1:58:33 PM



#82

4-Chlorotoluene

Concen: 19.54 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX005310.D

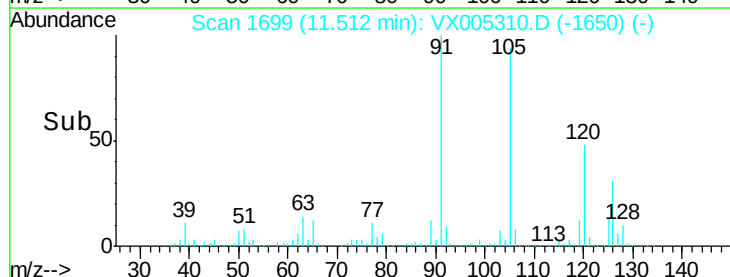
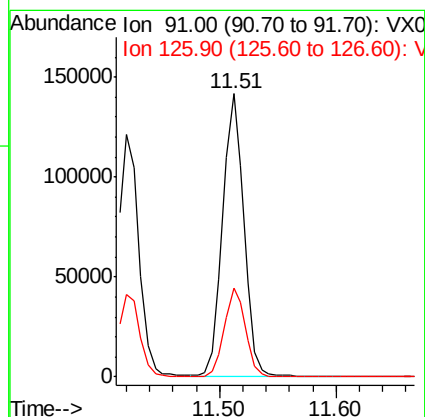
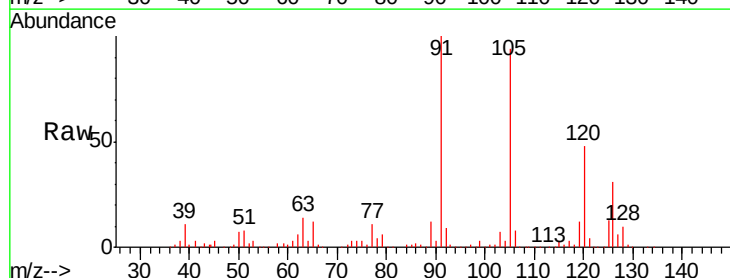
Acq: 12 Oct 2018 23:38

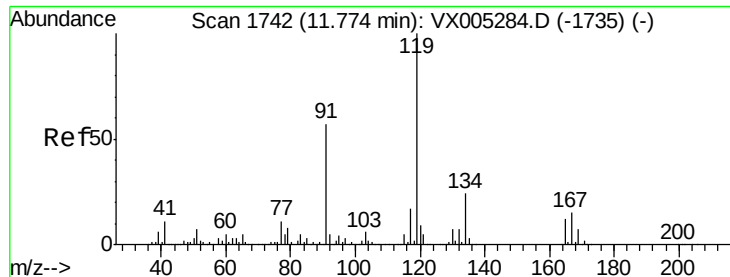
Tgt Ion: 91 Resp: 178910

Ion Ratio Lower Upper

91 100

126 31.2 15.5 46.5





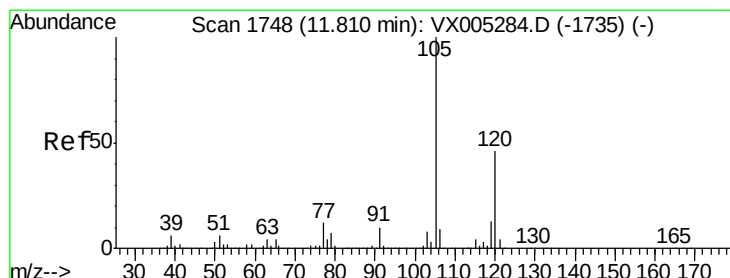
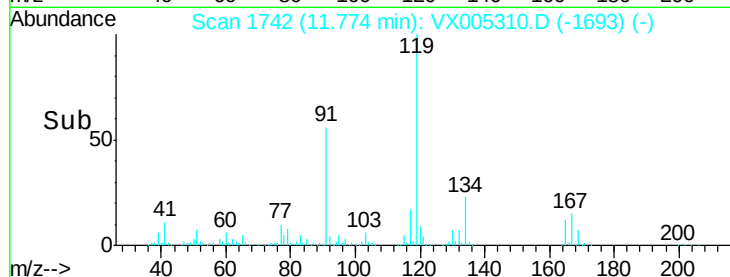
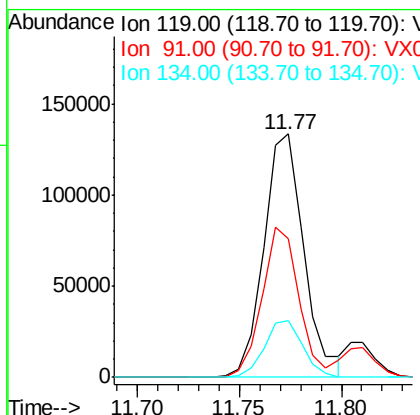
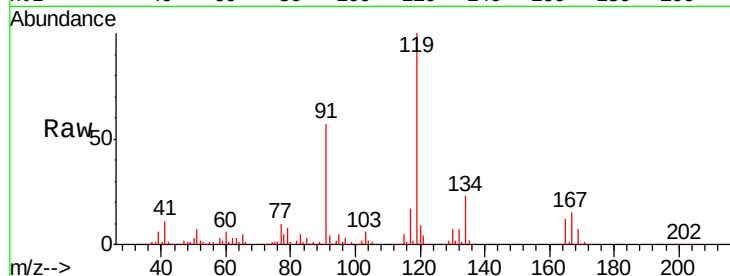
#83
 tert-Butylbenzene
 Concen: 19.21 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX005310.D
 Acq: 12 Oct 2018 23:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1012WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	182586		
91	56.6	27.0	81.0	
134	22.7	11.7	35.1	

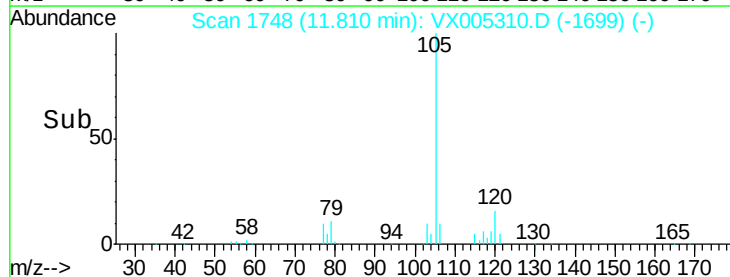
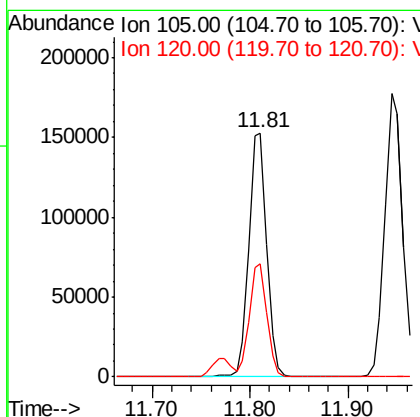
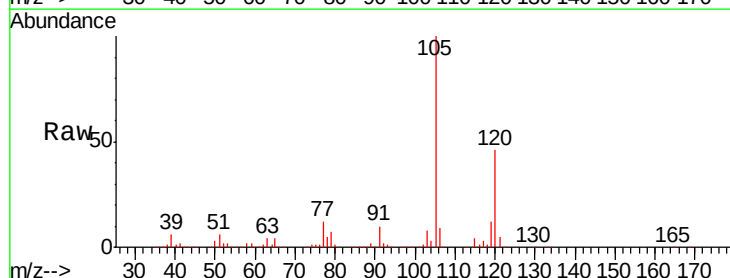
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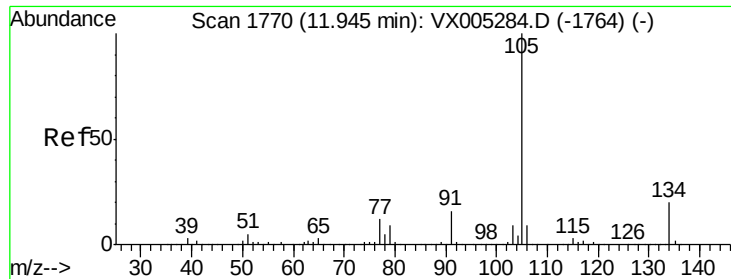
MMDadoda
 10/17/2018 1:58:33 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.08 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX005310.D
 Acq: 12 Oct 2018 23:38

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	193895		
120	45.5	23.2	69.6	





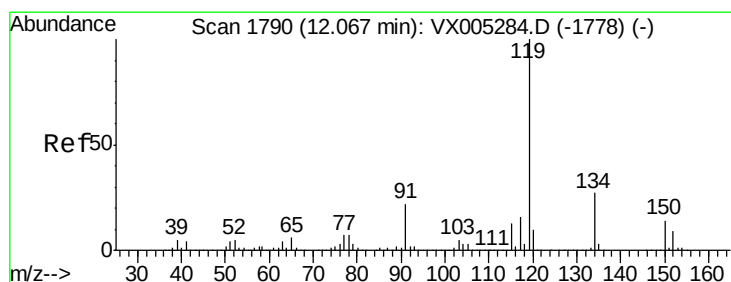
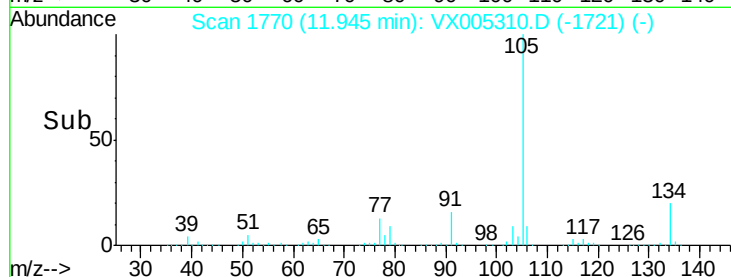
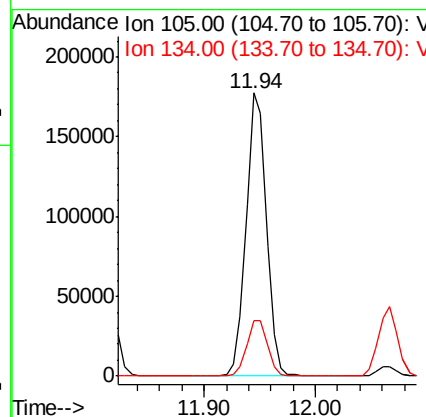
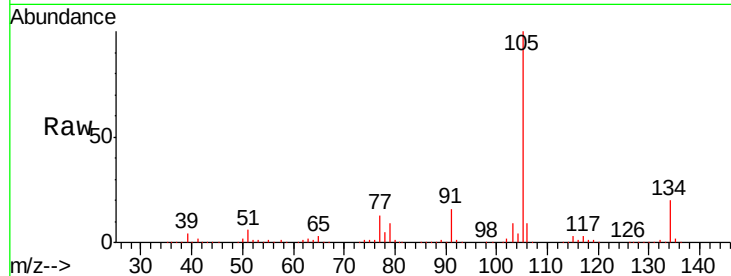
#85
 sec-Butylbenzene
 Concen: 19.92 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX005310.D
 Acq: 12 Oct 2018 23:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1012WBS02

Tgt Ion:105 Resp: 224044
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.5 31.5

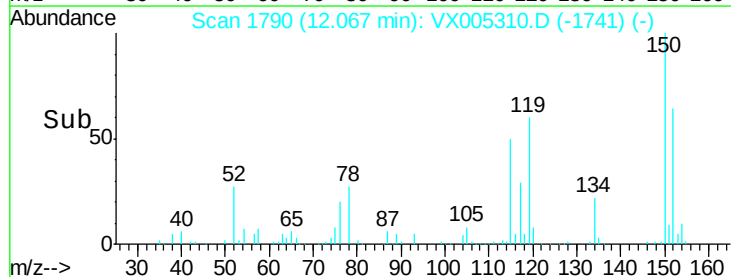
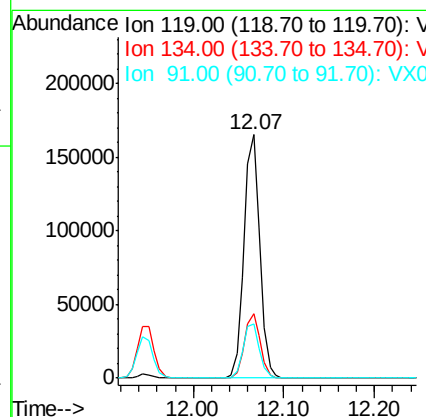
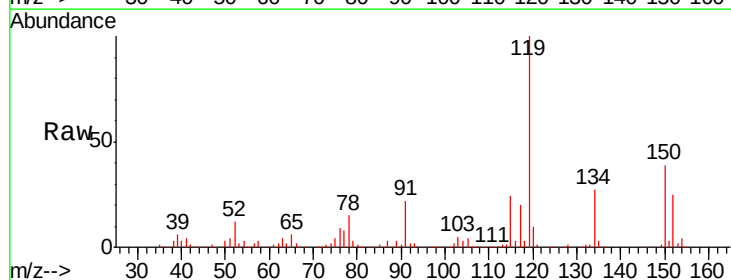
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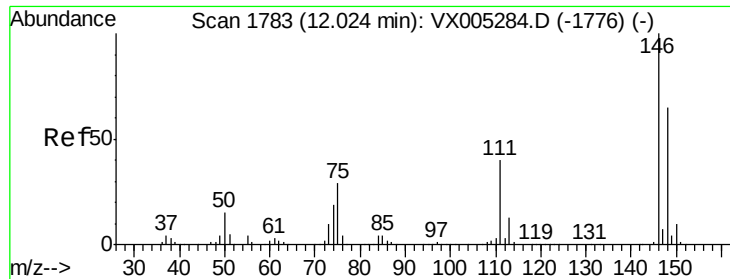
MMDadoda
 10/17/2018 1:58:33 PM



#86
 p-Isopropyltoluene
 Concen: 19.62 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: VX005310.D
 Acq: 12 Oct 2018 23:38

Tgt Ion:119 Resp: 199474
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.4 40.2
 91 22.8 10.9 32.7





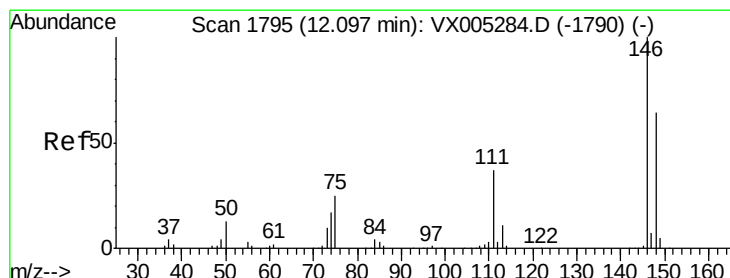
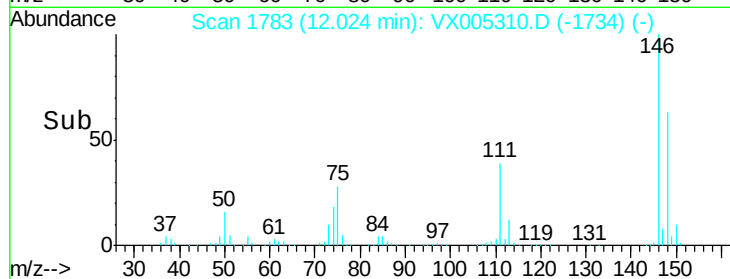
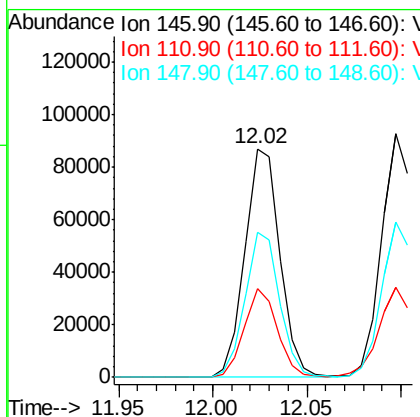
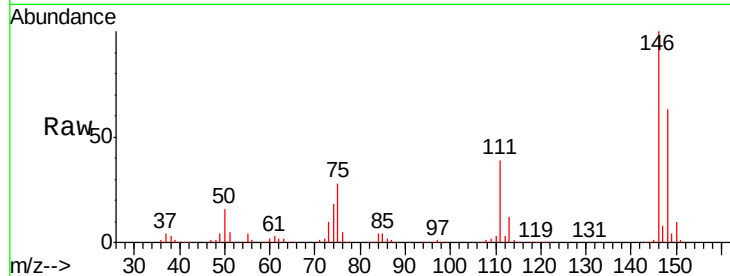
#87
 1,3-Dichlorobenzene
 Concen: 19.24 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX005310.D
 Acq: 12 Oct 2018 23:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1012WBS02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.7	56.1
148	62.4	32.1	96.5

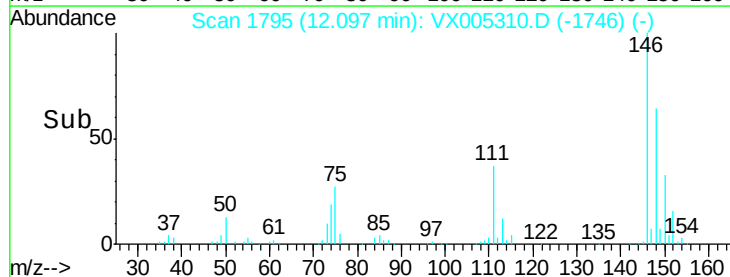
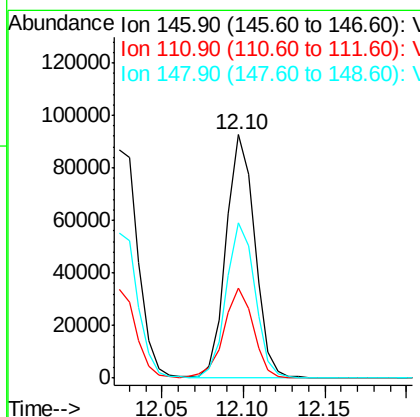
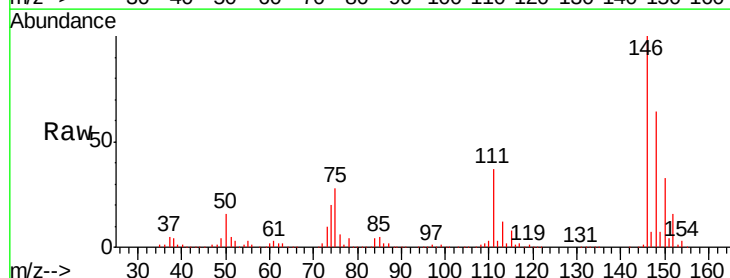
Manual Integrations
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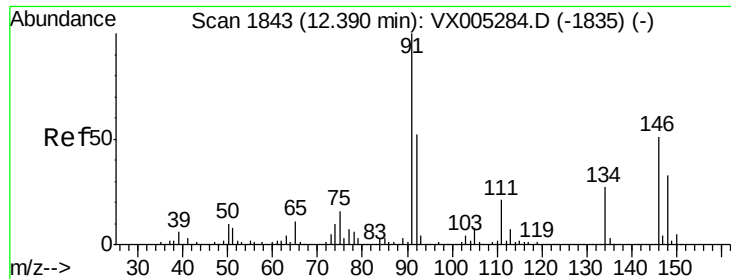
MMDadoda
 10/17/2018 1:58:33 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.92 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX005310.D
 Acq: 12 Oct 2018 23:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.1	54.1
148	64.5	32.0	96.0





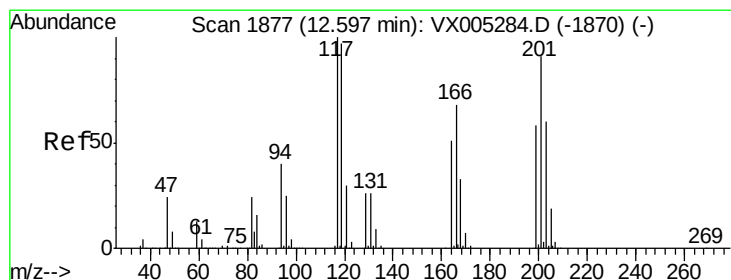
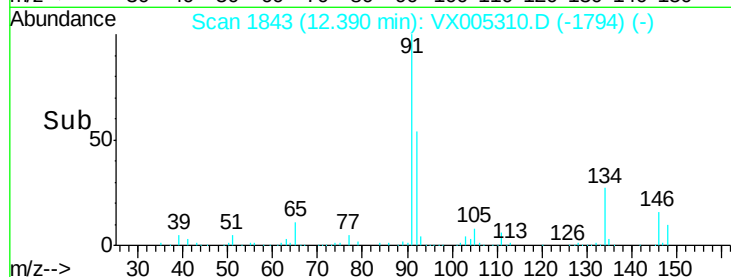
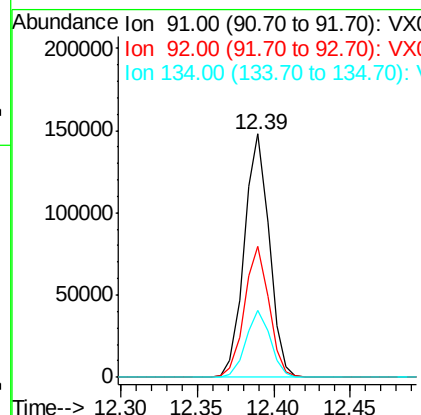
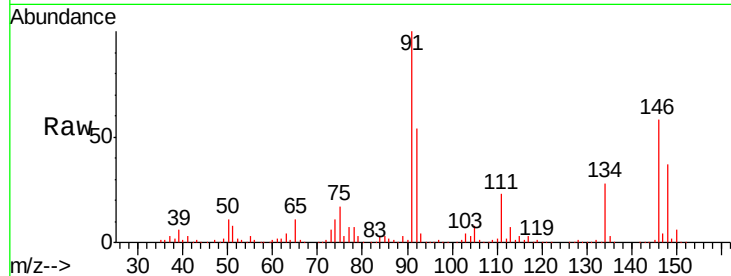
#89
n-Butylbenzene
Concen: 18.16 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX005310.D
Acq: 12 Oct 2018 23:38

Instrument :
MSVOA_X
ClientSampleId :
VX1012WBS02

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.8	27.3	81.9
134	26.8	13.6	40.7

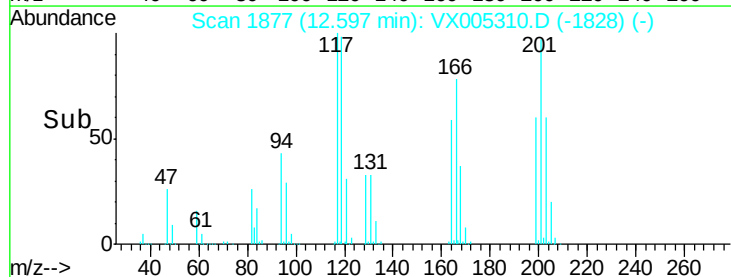
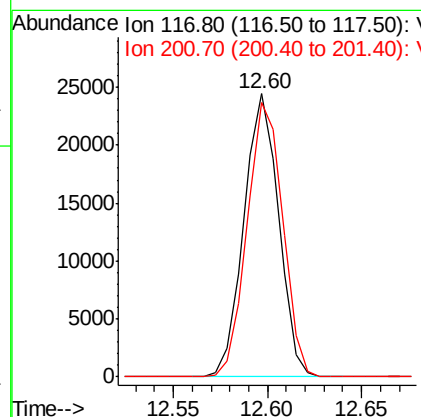
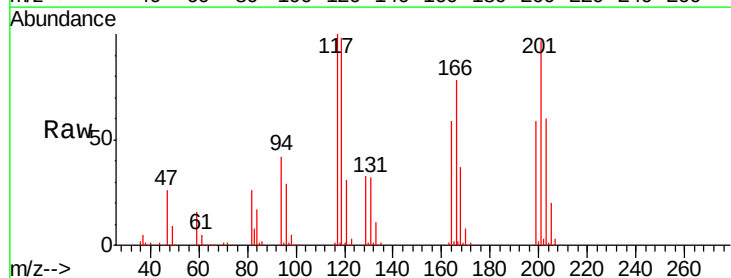
Manual Integrations
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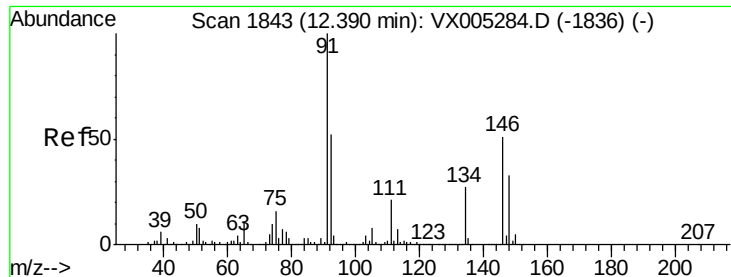
MMDadoda
10/17/2018 1:58:33 PM



#90
Hexachloroethane
Concen: 17.82 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX005310.D
Acq: 12 Oct 2018 23:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	99.7	46.9	140.6





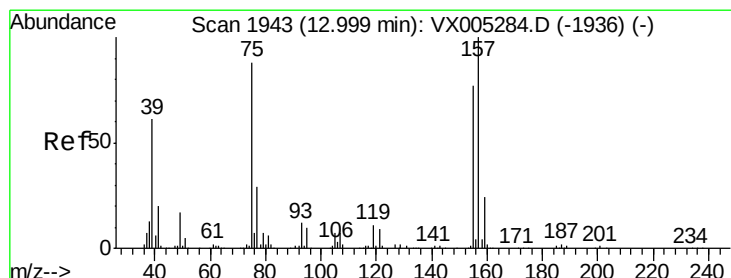
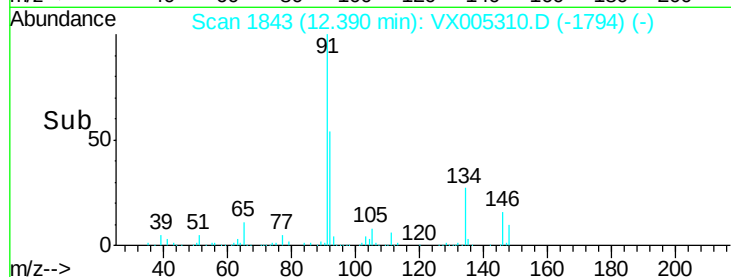
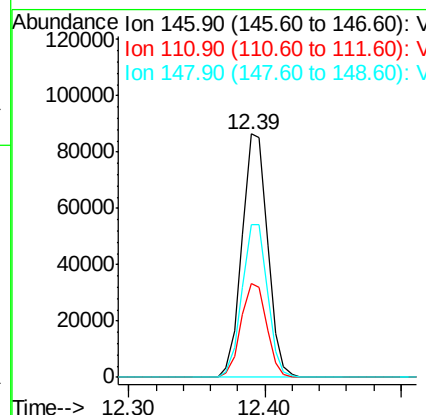
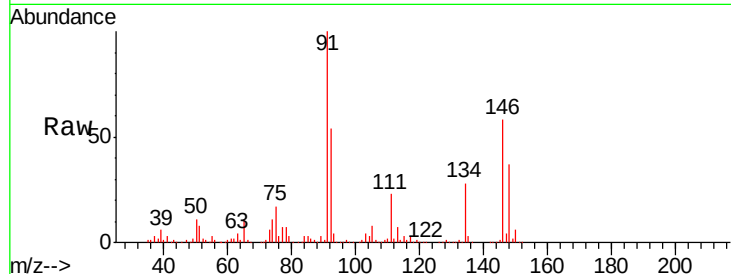
#91
1,2-Dichlorobenzene
Concen: 19.00 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX005310.D
Acq: 12 Oct 2018 23:38

Instrument :
MSVOA_X
ClientSampleId :
VX1012WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	113518		
111	38.7	19.4	58.1	
148	63.0	32.8	98.3	

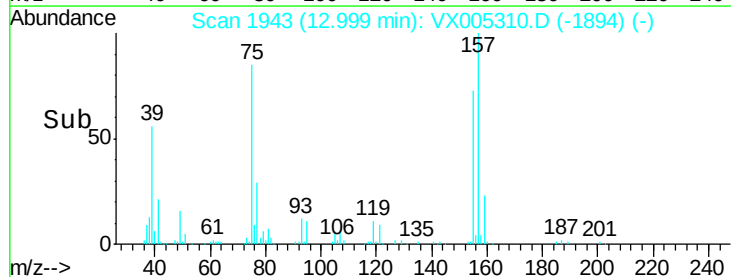
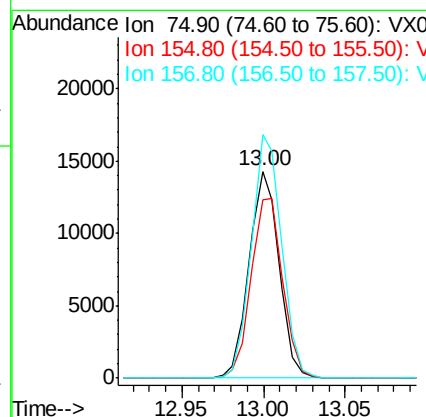
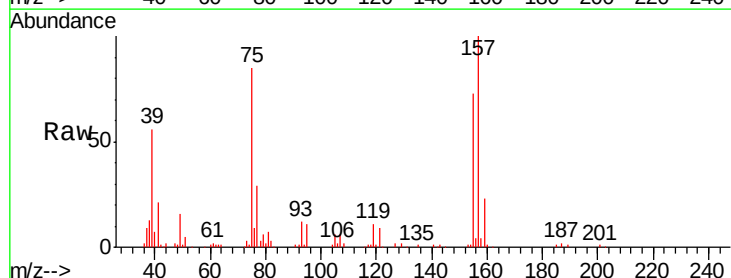
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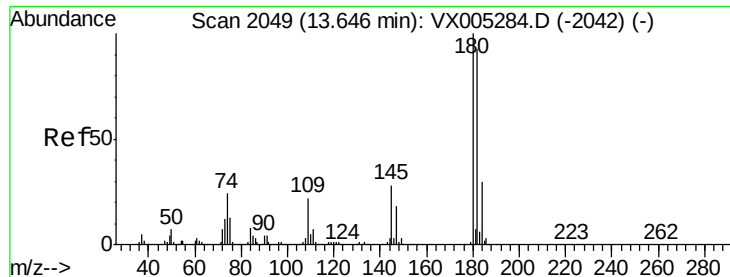
MMDadoda
10/17/2018 1:58:33 PM



#92
1,2-Dibromo-3-Chloropropane
Concen: 18.14 ug/l
RT: 13.00 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VX005310.D
Acq: 12 Oct 2018 23:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	18295		
155	91.5	48.0	144.2	
157	119.0	61.4	184.1	





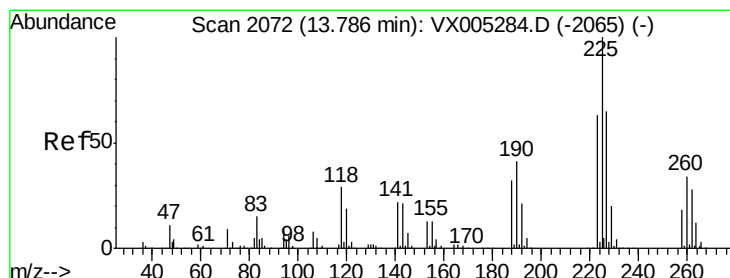
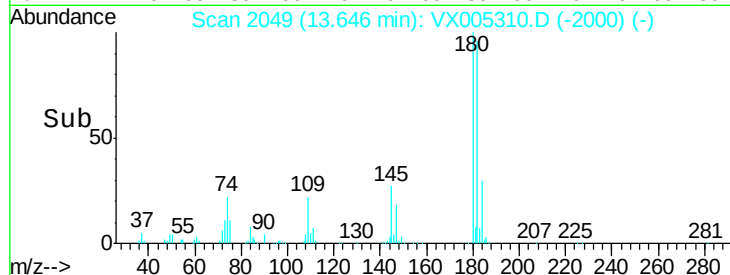
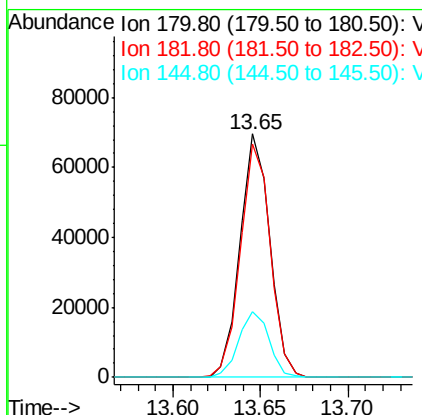
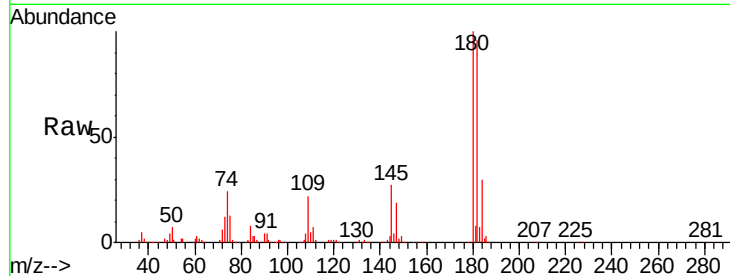
#93
 1,2,4-Trichlorobenzene
 Concen: 18.78 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX005310.D
 Acq: 12 Oct 2018 23:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1012WBS02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	48.4	145.0
145	27.7	14.3	42.9

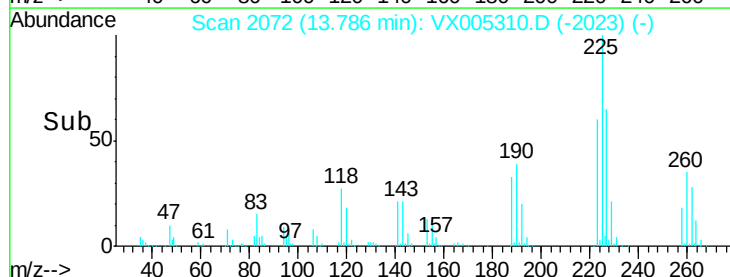
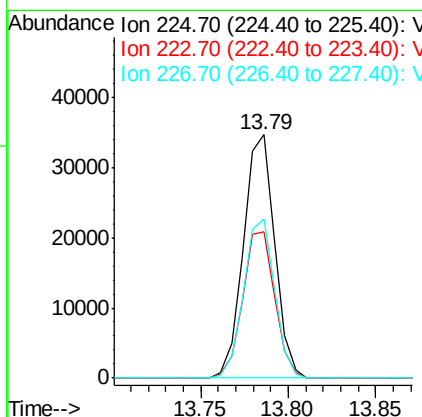
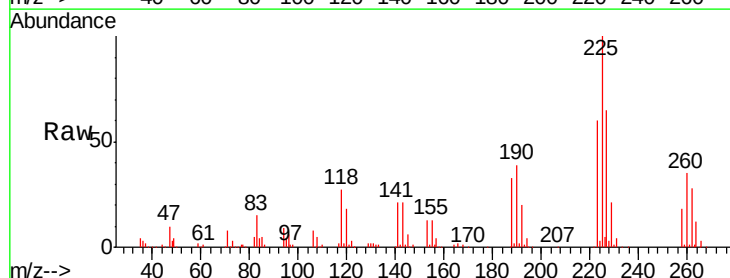
Manual Integrations
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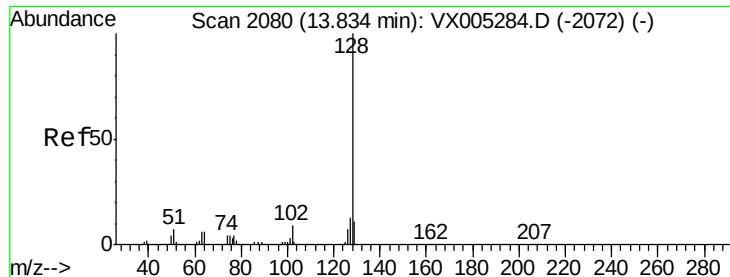
MMDadoda
 10/17/2018 1:58:33 PM



#94
 Hexachlorobutadiene
 Concen: 18.58 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX005310.D
 Acq: 12 Oct 2018 23:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	30.1	90.5
227	65.0	30.8	92.4





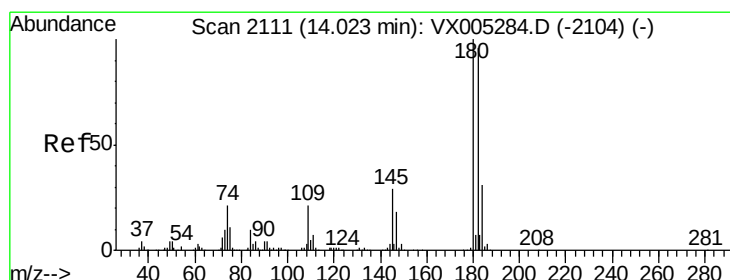
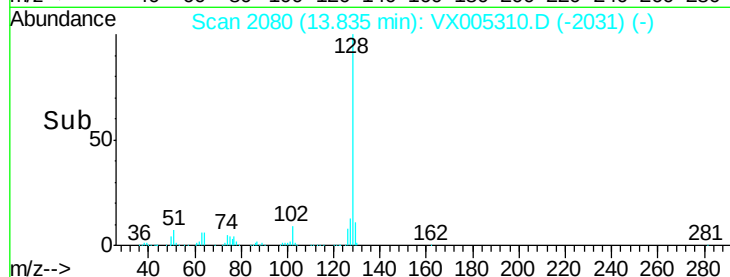
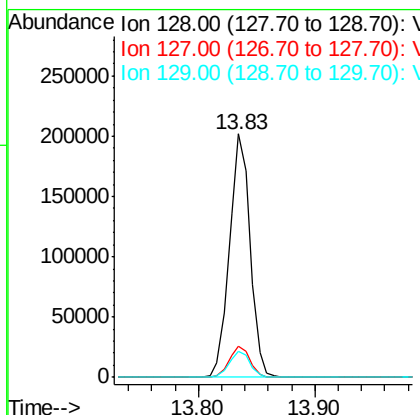
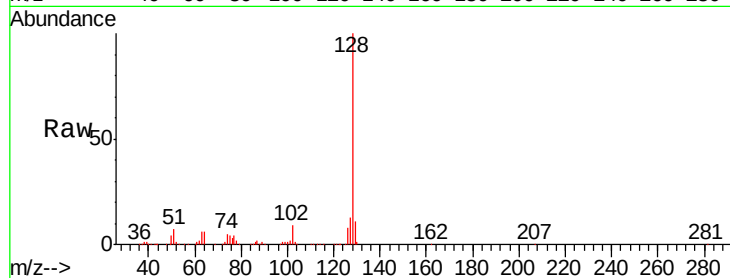
#95
Naphthalene
Concen: 19.56 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005310.D
Acq: 12 Oct 2018 23:38

Instrument :
MSVOA_X
ClientSampleId :
VX1012WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	248705		
127	12.8	10.2	15.2	
129	10.7	8.6	12.8	

Manual Integrations
APPROVED

MMDadoda
10/17/2018 1:58:33 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.01 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. 0.00 min
Lab File: VX005310.D
Acq: 12 Oct 2018 23:38

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	85263		
182	97.2	48.5	145.6	
145	29.1	14.9	44.9	

