

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101018\
 Data File : VX005209.D
 Acq On : 10 Oct 2018 16:26
 Operator : JC/MD
 Sample : VX1010WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1010WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/12/2018 11:44:59 AM

Quant Time: Oct 11 07:00:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	235805	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	335513	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	314449	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	177494	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	127715	37.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.82%	
35) Dibromofluoromethane	5.51	113	104907	36.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.78%	
50) Toluene-d8	8.72	98	385477	40.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.56%	
62) 4-Bromofluorobenzene	11.14	95	146060	42.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	62537	19.45	ug/l	99
3) Chloromethane	1.32	50	68332	17.52	ug/l	99
4) Vinyl Chloride	1.40	62	66911	18.29	ug/l	100
5) Bromomethane	1.64	94	39102	18.02	ug/l	97
6) Chloroethane	1.71	64	39012	18.08	ug/l	98
7) Trichlorofluoromethane	1.92	101	87374	19.29	ug/l	91
8) Diethyl Ether	2.18	74	34146	17.35	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	49127	19.04	ug/l	100
10) Methyl Iodide	2.51	142	49532	14.35	ug/l	91
11) Tert butyl alcohol	3.08	59	85930	91.23	ug/l	100
12) 1,1-Dichloroethene	2.37	96	45155	17.67	ug/l	92
13) Acrolein	2.29	56	46898	69.98	ug/l	91
14) Allyl chloride	2.72	41	102183	18.33	ug/l	94
15) Acrylonitrile	3.15	53	185209	89.33	ug/l	96
16) Acetone	2.45	43	184282	93.71	ug/l	95
17) Carbon Disulfide	2.56	76	131896	17.18	ug/l	100
18) Methyl Acetate	2.78	43	97837	19.64	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	164336	18.65	ug/l	96
20) Methylene Chloride	2.85	84	52310	17.75	ug/l	90
21) trans-1,2-Dichloroethene	3.16	96	48958	17.50	ug/l	85
22) Diisopropyl ether	3.87	45	164214	17.49	ug/l	96
23) Vinyl Acetate	3.82	43	726667	84.57	ug/l	98
24) 1,1-Dichloroethane	3.70	63	97548	17.42	ug/l	99
25) 2-Butanone	4.71	43	248948	85.88	ug/l	95
26) 2,2-Dichloropropane	4.58	77	70146	17.99	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	50605	16.20	ug/l	92
28) Bromochloromethane	5.01	49	42048	15.95	ug/l	97
29) Tetrahydrofuran	5.16	42	158203	87.81	ug/l	97
30) Chloroform	5.21	83	88024	16.63	ug/l	99
31) Cyclohexane	5.57	56	79286	18.50	ug/l	87
32) 1,1,1-Trichloroethane	5.49	97	75756	17.53	ug/l	95
36) 1,1-Dichloropropene	5.80	75	64926	16.74	ug/l	94
37) Ethyl Acetate	4.86	43	85000	16.51	ug/l	98
38) Carbon Tetrachloride	5.78	117	68726	16.85	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	76119	19.21	ug/l	86
40) Benzene	6.14	78	194990	16.05	ug/l	96
41) Methacrylonitrile	5.06	41	47152	16.51	ug/l	97
42) 1,2-Dichloroethane	6.20	62	71511	16.65	ug/l	98
43) Isopropyl Acetate	6.46	43	121853	16.39	ug/l	97
44) Trichloroethene	7.21	130	52922	17.72	ug/l	97
45) 1,2-Dichloropropane	7.52	63	52298	17.56	ug/l	99
46) Dibromomethane	7.66	93	33490	17.89	ug/l	99
47) Bromodichloromethane	7.90	83	64036	18.27	ug/l	98
48) Methyl methacrylate	7.78	41	64383	19.08	ug/l	99
49) 1,4-Dioxane	7.76	88	30901	368.68	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	448315	95.79	ug/l	99
52) Toluene	8.79	92	123661	18.53	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	69159	17.46	ug/l	92
54) cis-1,3-Dichloropropene	8.44	75	77376	18.65	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	51074	17.47	ug/l	96
56) Ethyl methacrylate	9.18	69	74628	17.69	ug/l	99
57) 1,3-Dichloropropane	9.37	76	83746	17.21	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	184707	83.39	ug/l	99
59) 2-Hexanone	9.50	43	357654	91.71	ug/l	94
60) Dibromochloromethane	9.59	129	51004	17.45	ug/l	100
61) 1,2-Dibromoethane	9.67	107	52494	16.77	ug/l	95
64) Tetrachloroethene	9.34	164	53701	17.35	ug/l	96
65) Chlorobenzene	10.14	112	138225	17.14	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.22	131	49308	17.39	ug/l	98
67) Ethyl Benzene	10.26	91	229011	17.89	ug/l	96
68) m/p-Xylenes	10.36	106	181862	36.35	ug/l	95
69) o-Xylene	10.70	106	85694	18.65	ug/l	100
70) Styrene	10.71	104	143491	18.12	ug/l	100
71) Bromoform	10.86	173	41067	16.92	ug/l #	96
73) Isopropylbenzene	11.02	105	235857	21.08	ug/l	100
74) N-amyl acetate	10.90	43	107282	18.58	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	83570	18.35	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	78928m	19.84	ug/l	
77) Bromobenzene	11.26	156	63721	19.61	ug/l	99
78) n-propylbenzene	11.36	91	271325	21.14	ug/l	99
79) 2-Chlorotoluene	11.42	91	163253	20.40	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	202147	19.59	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	22299	16.67	ug/l	95
82) 4-Chlorotoluene	11.51	91	193296	20.52	ug/l	99
83) tert-Butylbenzene	11.77	119	197290	21.42	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	206989	19.45	ug/l	99
85) sec-Butylbenzene	11.94	105	241916	21.56	ug/l	100
86) p-Isopropyltoluene	12.07	119	217739	21.42	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	118190	19.48	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	121928	19.47	ug/l	99
89) n-Butylbenzene	12.39	91	190461	20.63	ug/l	100
90) Hexachloroethane	12.60	117	32908	19.44	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	118022	18.61	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	18771	18.77	ug/l	99

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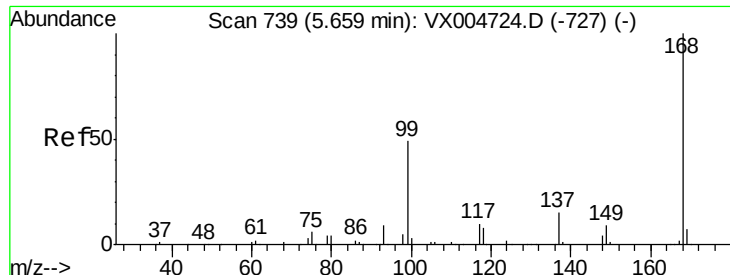
Manual Integrations
APPROVED

MMDadoda
10/12/2018 11:44:59 AM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	88253	19.84	ug/l	99
94) Hexachlorobutadiene	13.79	225	46131	20.00	ug/l	98
95) Naphthalene	13.83	128	263281	18.30	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	91310	19.87	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

Instrument :

MSVOA_X

ClientSampleId :

VX1010WBS01

Tgt Ion: 168 Resp: 235805

Ion Ratio Lower Upper

168 100

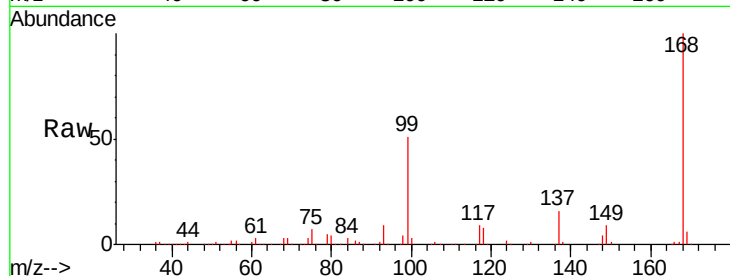
99 51.1 39.3 58.9

Manual Integrations

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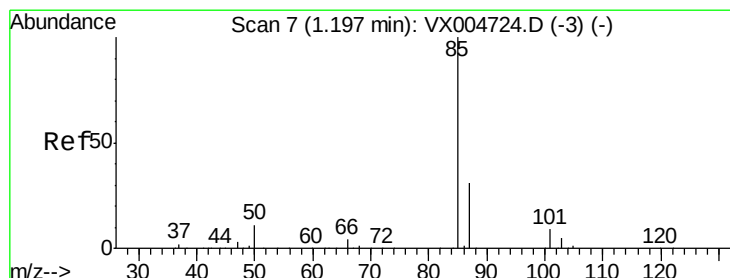
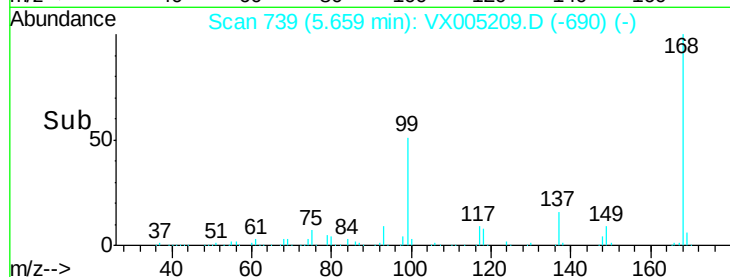
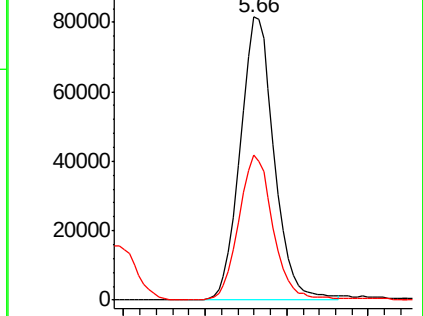
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 19.45 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX005209.D

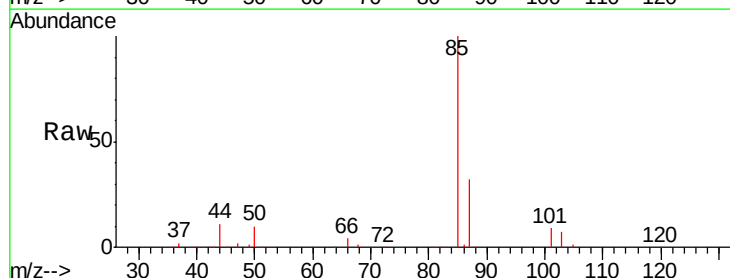
Acq: 10 Oct 2018 16:26

Tgt Ion: 85 Resp: 62537

Ion Ratio Lower Upper

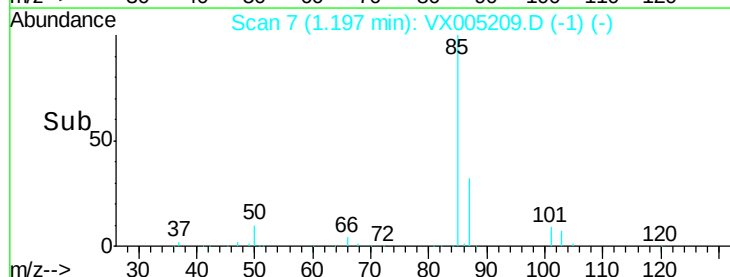
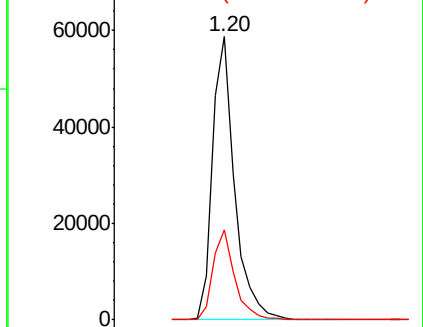
85 100

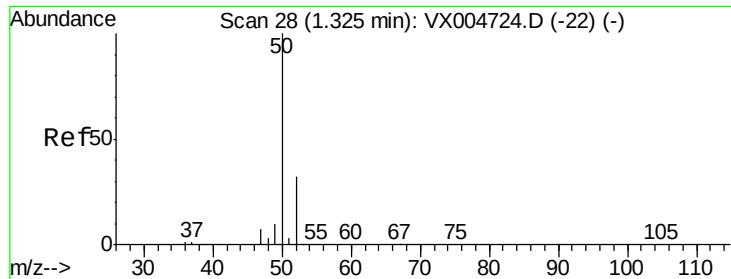
87 31.9 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 17.52 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

Instrument :

MSVOA_X

ClientSampleId :

VX1010WBS01

Tgt Ion: 50 Resp: 68332

Ion Ratio Lower Upper

50 100

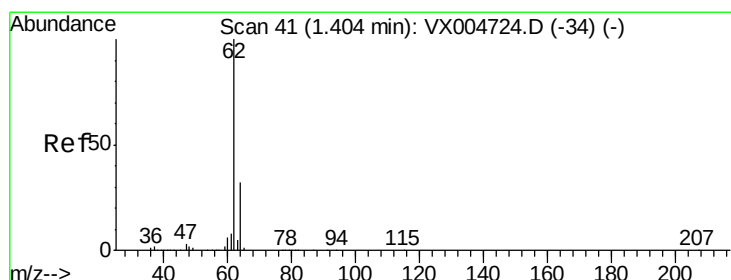
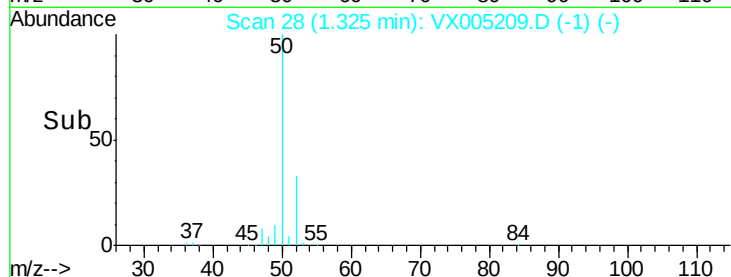
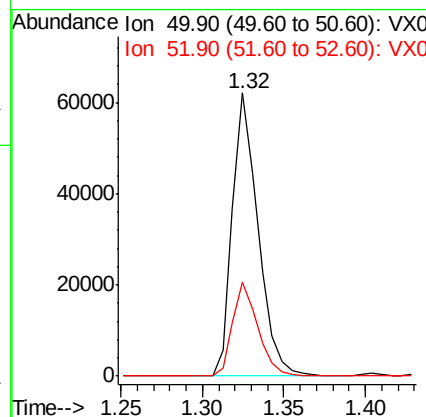
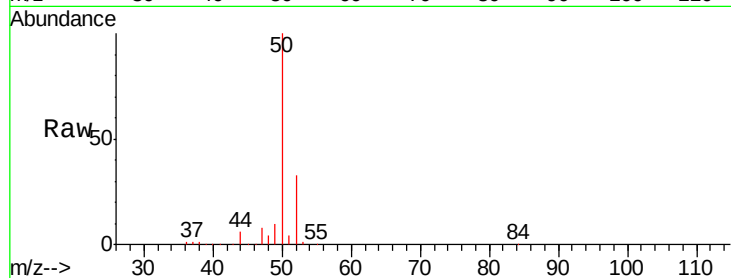
52 33.0 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.29 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX005209.D

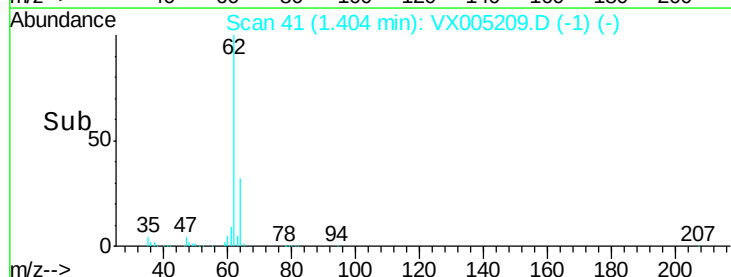
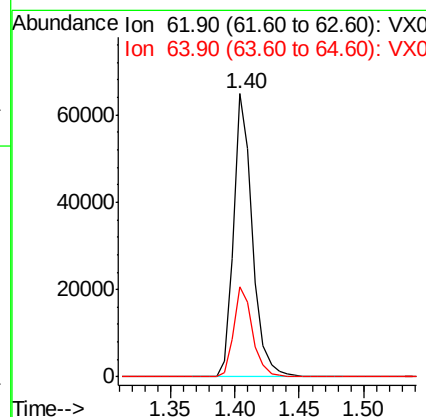
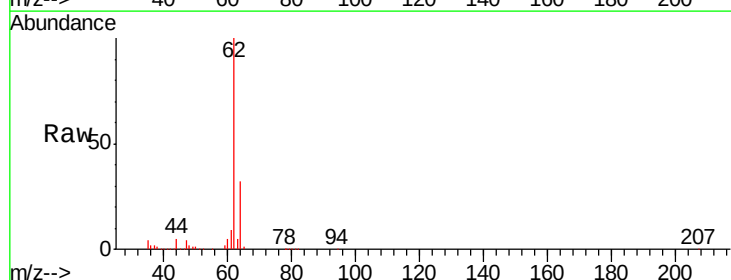
Acq: 10 Oct 2018 16:26

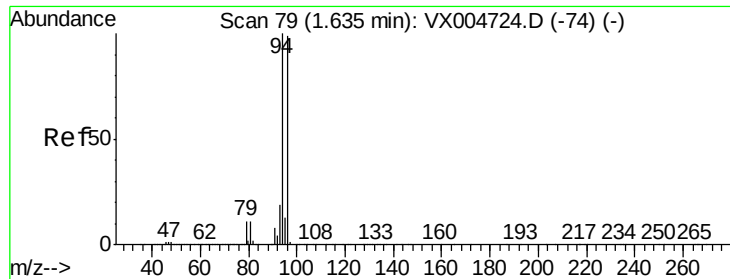
Tgt Ion: 62 Resp: 66911

Ion Ratio Lower Upper

62 100

64 31.8 25.5 38.3





#5

Bromomethane

Concen: 18.02 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

Instrument :

MSVOA_X

ClientSampleId :

VX1010WBS01

Tgt Ion: 94 Resp: 39102

Ion Ratio Lower Upper

94 100

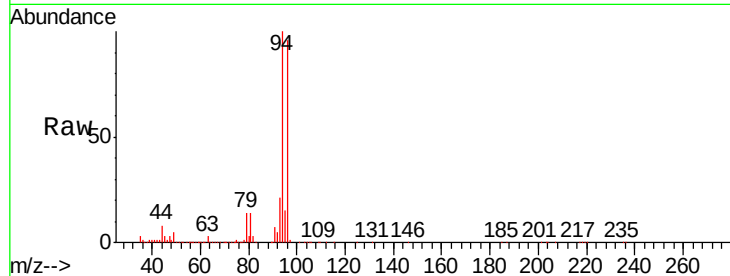
96 96.1 79.5 119.3

Manual Integrations

APPROVED

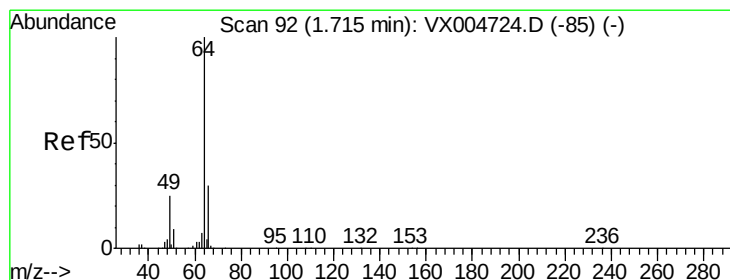
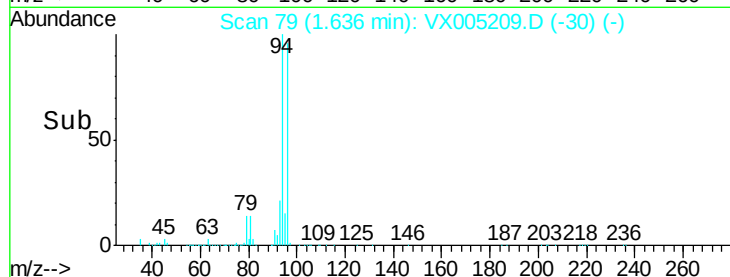
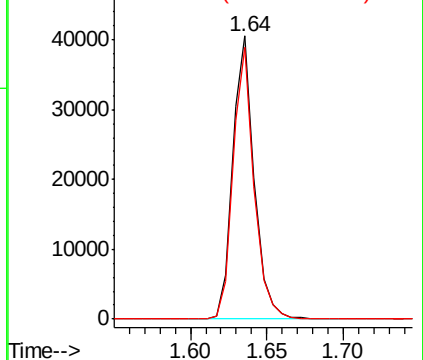
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 18.08 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX005209.D

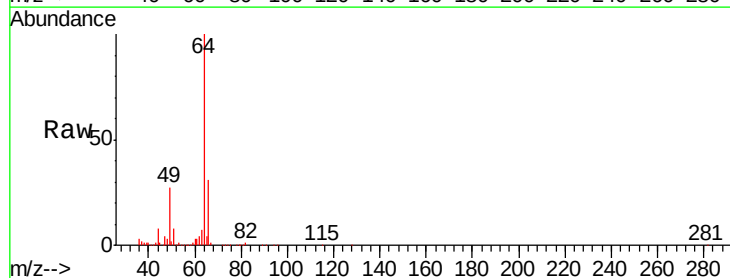
Acq: 10 Oct 2018 16:26

Tgt Ion: 64 Resp: 39012

Ion Ratio Lower Upper

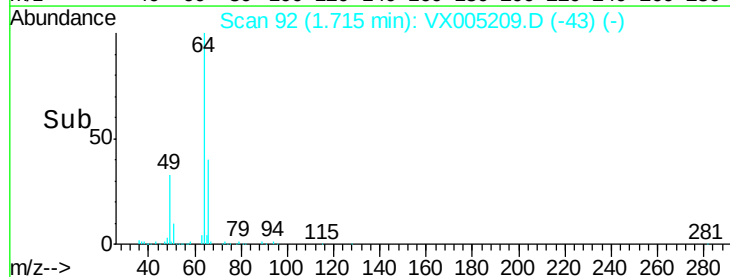
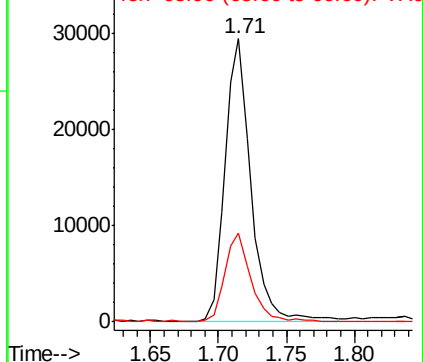
64 100

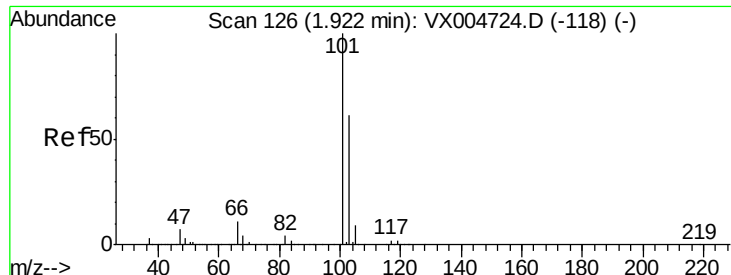
66 31.0 23.8 35.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

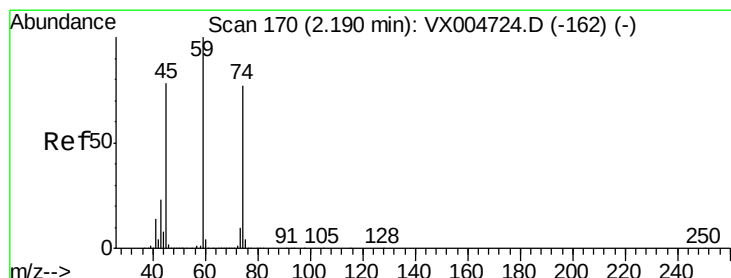
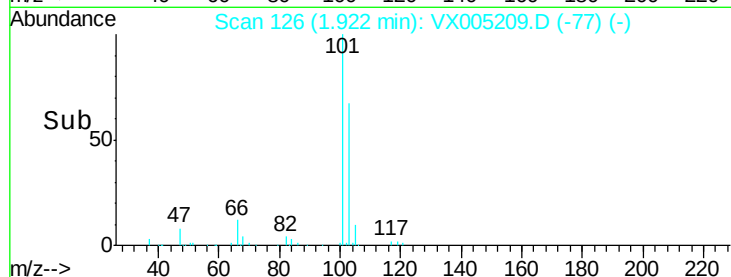
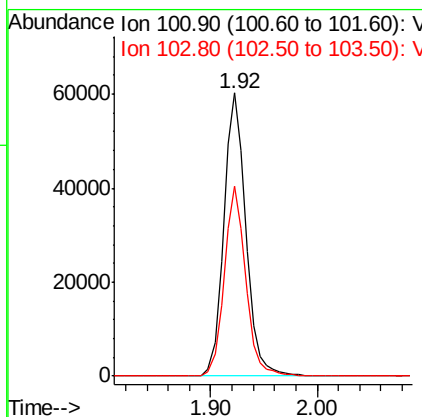
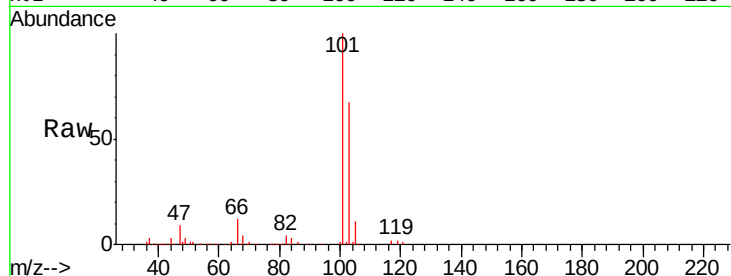
Trichlorofluoromethane
Concen: 19.29 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX005209.D
Acq: 10 Oct 2018 16:26

Instrument :
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ClientSampleId :
VX1010WBS01

Tgt Ion	Ratio	Lower	Upper
101	100		
103	67.3	48.4	72.6

Manual Integrations
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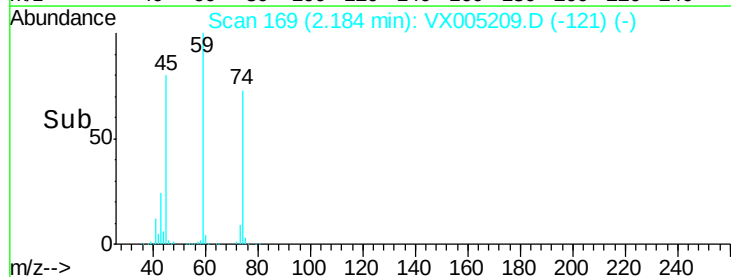
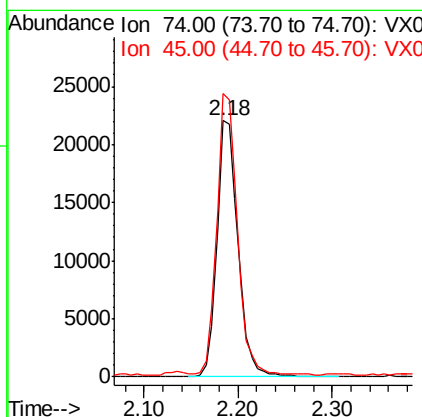
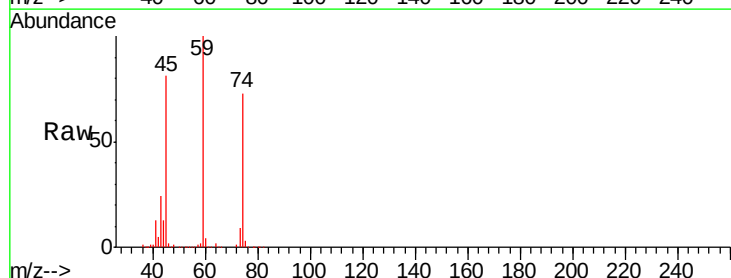
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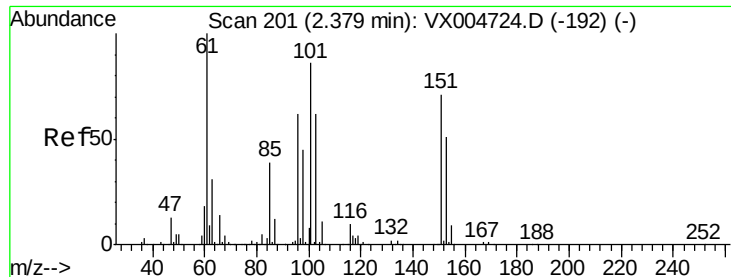


#8

Diethyl Ether
Concen: 17.35 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.01 min
Lab File: VX005209.D
Acq: 10 Oct 2018 16:26

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.0	52.5	157.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.04 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

Instrument :

MSVOA_X

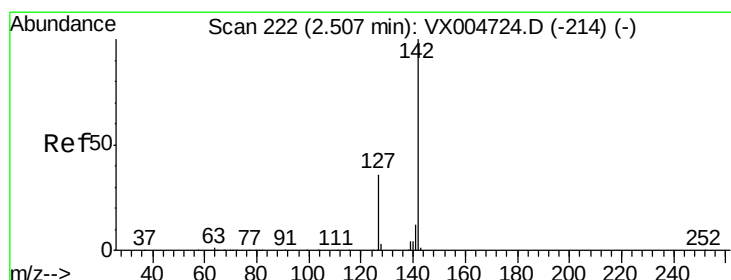
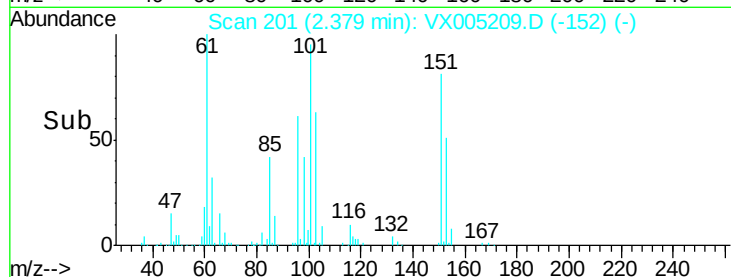
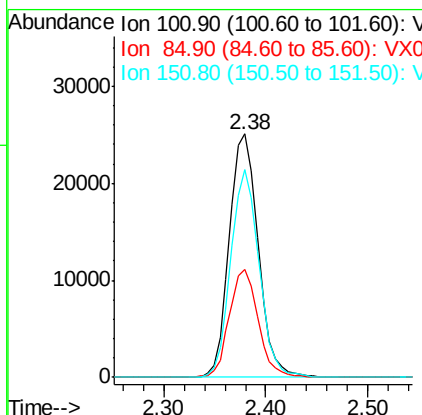
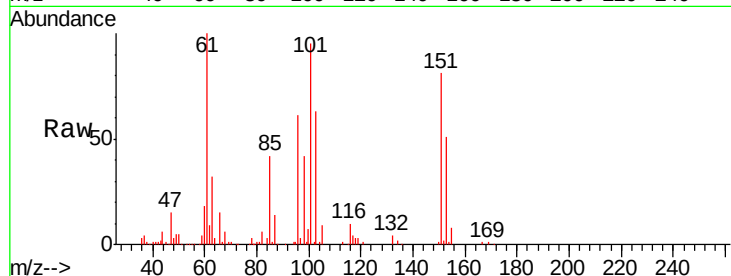
ClientSampleId :

VX1010WBS01

Tgt Ion:	101	Resp:	49127
Ion Ratio	Lower	Upper	
101	100		
85	44.4	35.9	53.9
151	83.5	66.6	100.0

Manual Integrations
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#10

Methyl Iodide

Concen: 14.35 ug/l

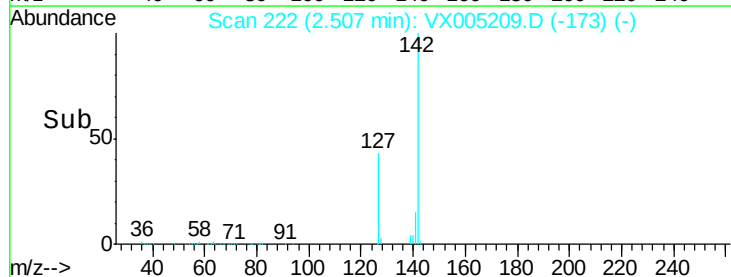
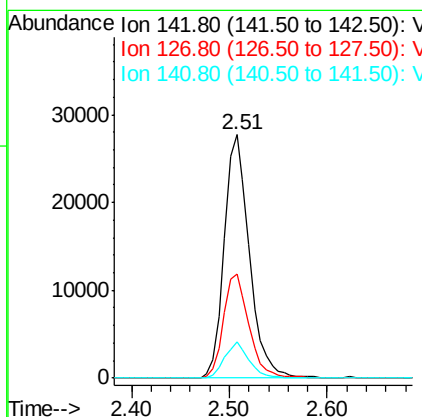
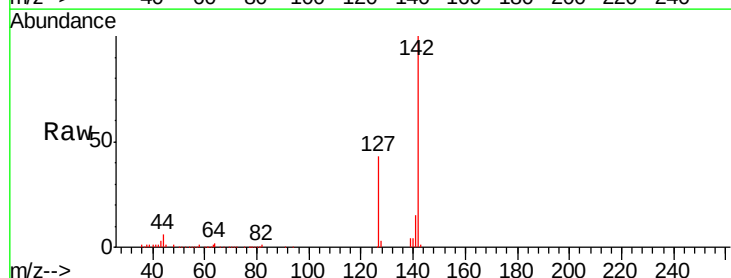
RT: 2.51 min Scan# 222

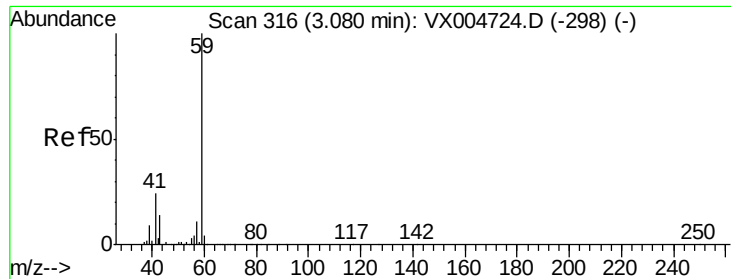
Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

Tgt Ion:	142	Resp:	49532
Ion Ratio	Lower	Upper	
142	100		
127	43.4	30.1	45.1
141	14.6	10.1	15.1





#11

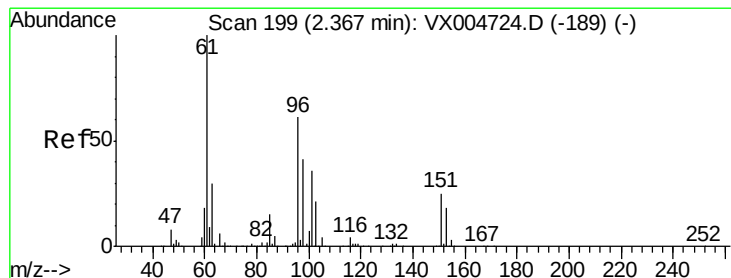
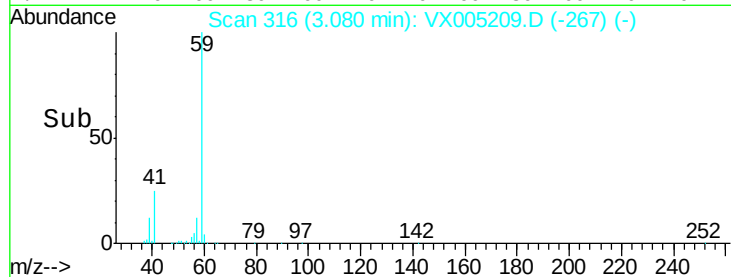
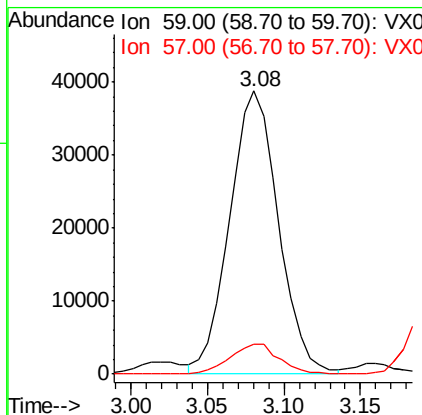
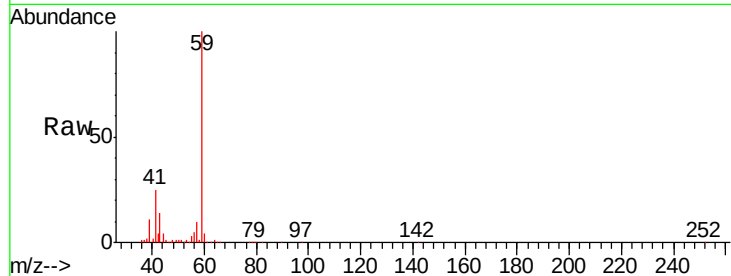
Tert butyl alcohol
Concen: 91.23 ug/l
RT: 3.08 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX005209.D
Acq: 10 Oct 2018 16:26

Instrument :
MSVOA_X
ClientSampleId :
VX1010WBS01

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.6	12.8

Manual Integrations
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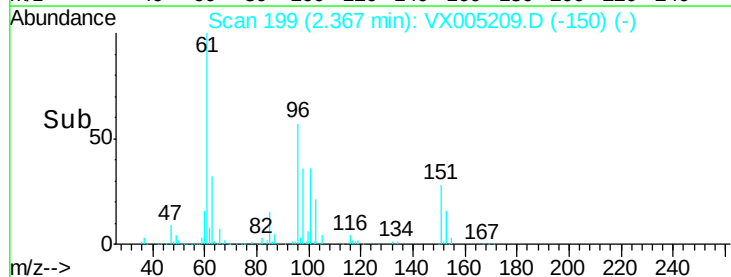
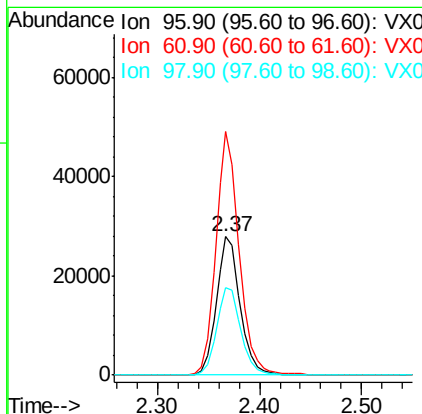
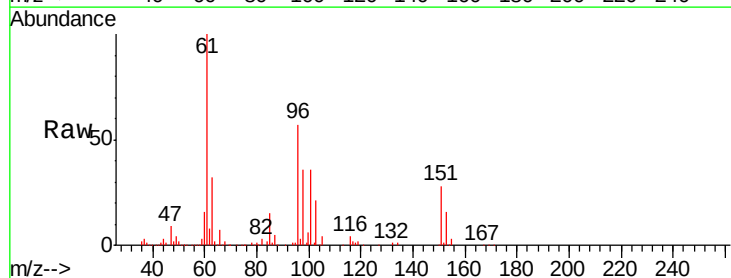
MMDadoda
10/12/2018 11:44:59 AM

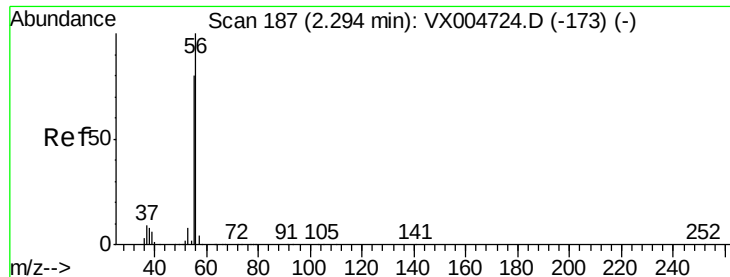


#12

1,1-Dichloroethene
Concen: 17.67 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX005209.D
Acq: 10 Oct 2018 16:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	175.2	130.2	195.4
98	63.1	53.4	80.0





#13

Acrolein

Concen: 69.98 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

Instrument :

MSVOA_X

ClientSampleId :

VX1010WBS01

Tgt Ion: 56 Resp: 46898

Ion Ratio Lower Upper

56 100

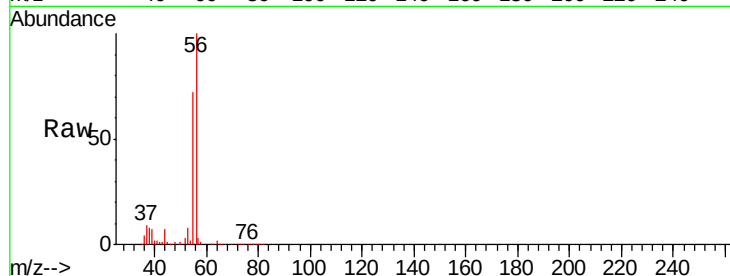
55 71.7 63.4 95.2

Manual Integrations

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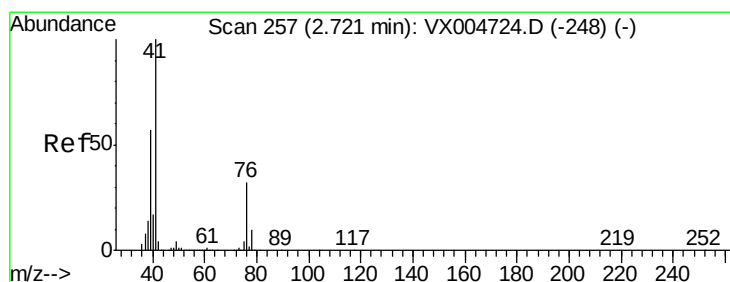
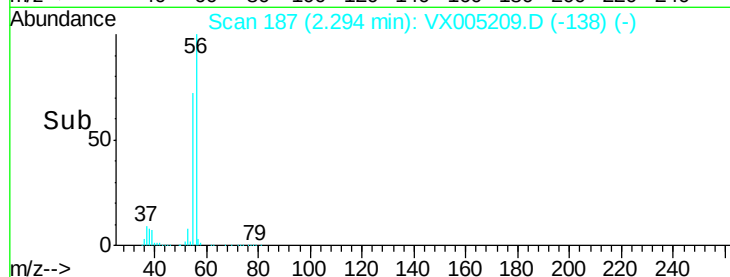
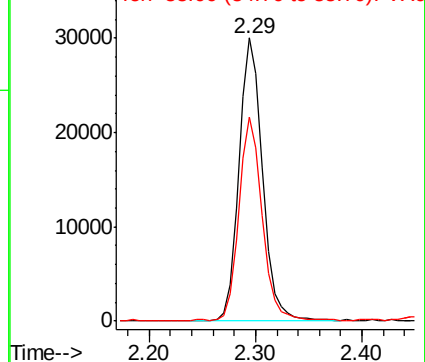
MMDadoda

10/12/2018 11:44:59 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 18.33 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

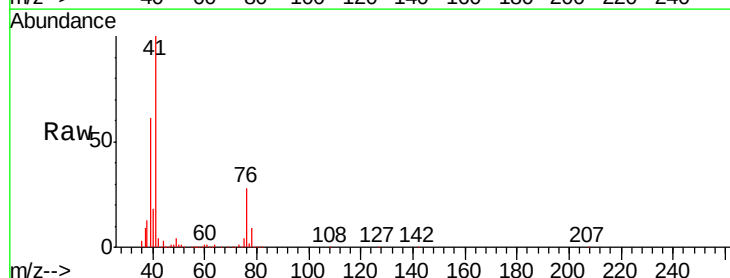
Tgt Ion: 41 Resp: 102183

Ion Ratio Lower Upper

41 100

39 59.1 44.1 66.1

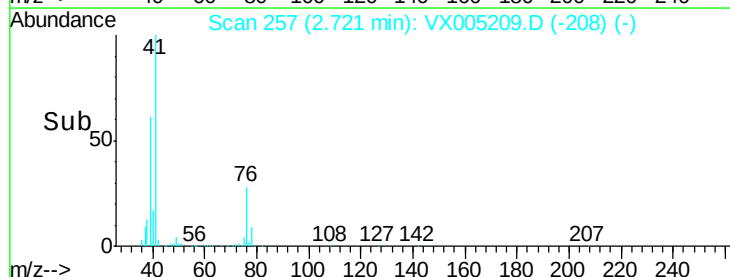
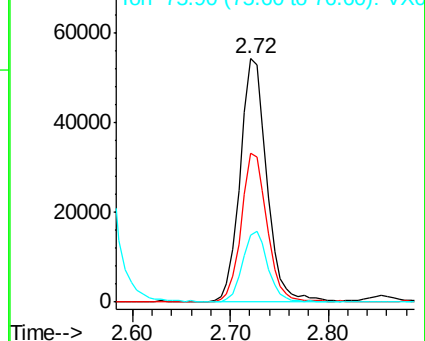
76 27.8 25.0 37.4

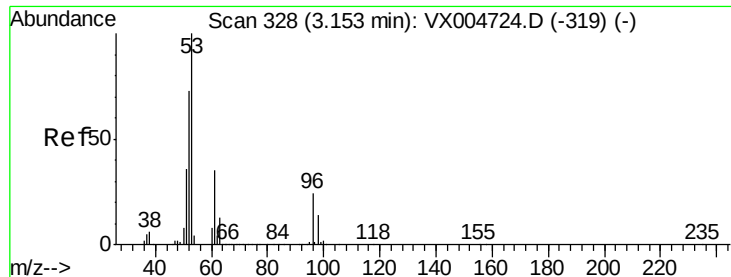


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 89.33 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

Instrument :

MSVOA_X

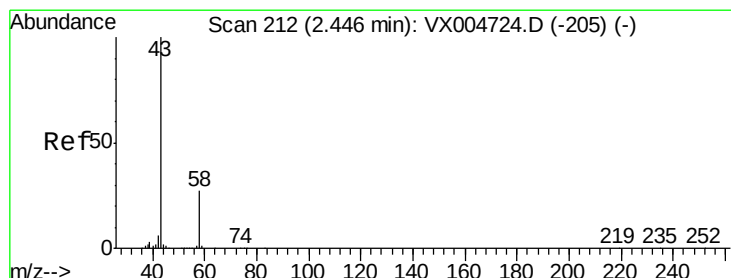
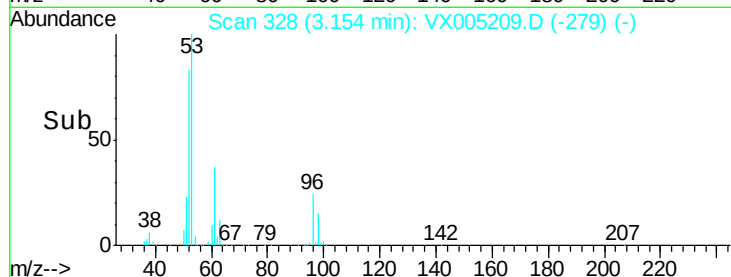
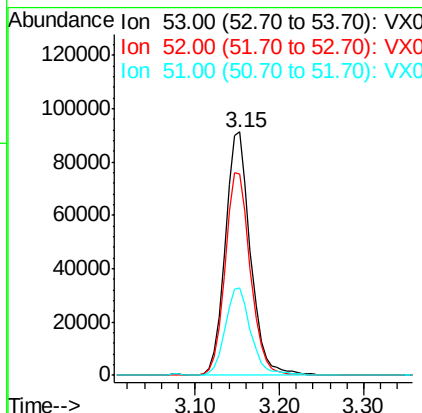
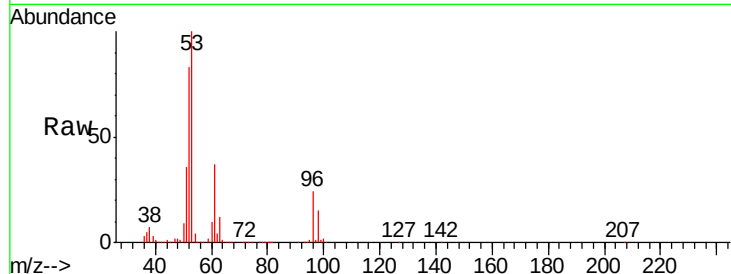
ClientSampleId :

VX1010WBS01

Tgt Ion:	53	Resp:	185209
Ion	Ratio	Lower	Upper
53	100		
52	83.7	63.0	94.4
51	36.7	28.6	42.8

Manual Integrations
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#16

Acetone

Concen: 93.71 ug/l

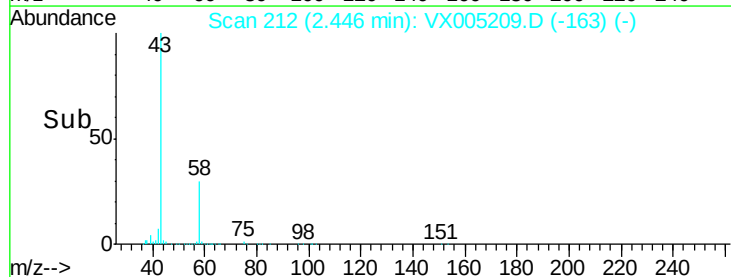
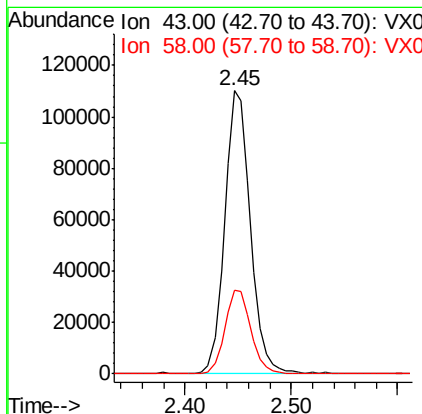
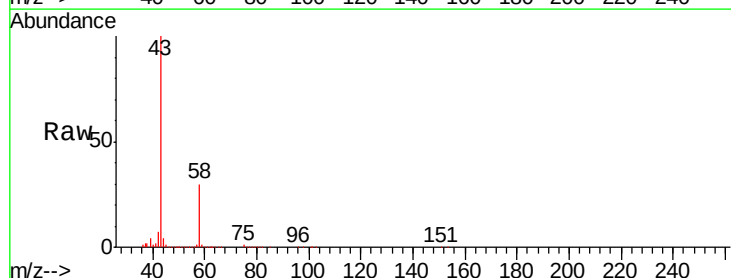
RT: 2.45 min Scan# 212

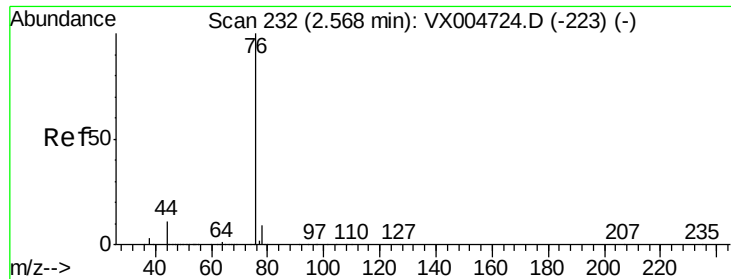
Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

Tgt Ion:	43	Resp:	184282
Ion	Ratio	Lower	Upper
43	100		
58	29.6	21.8	32.6





#17

Carbon Disulfide

Concen: 17.18 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

Instrument :

MSVOA_X

ClientSampleId :

VX1010WBS01

Tgt Ion: 76 Resp: 131896

Ion Ratio Lower Upper

76 100

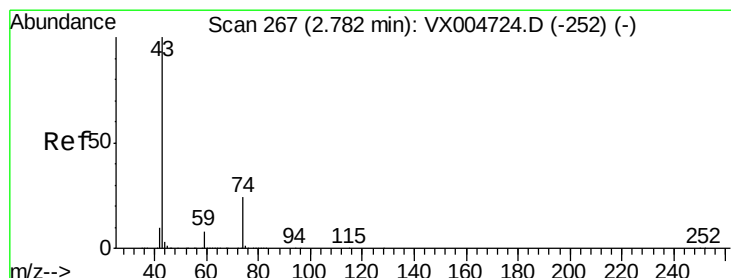
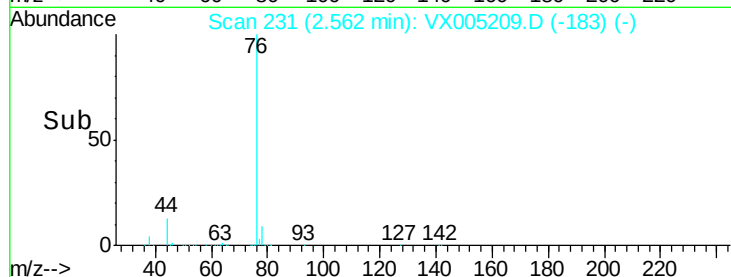
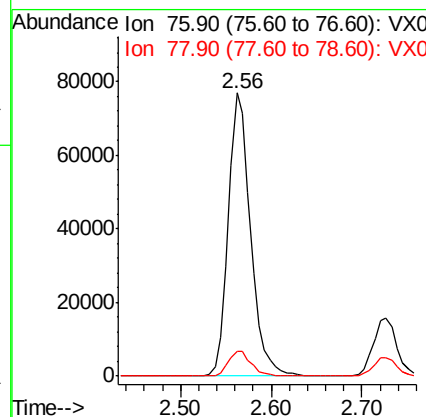
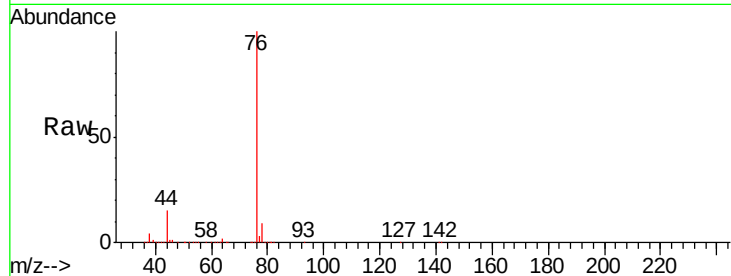
78 8.7 7.0 10.6

Manual Integrations

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#18

Methyl Acetate

Concen: 19.64 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX005209.D

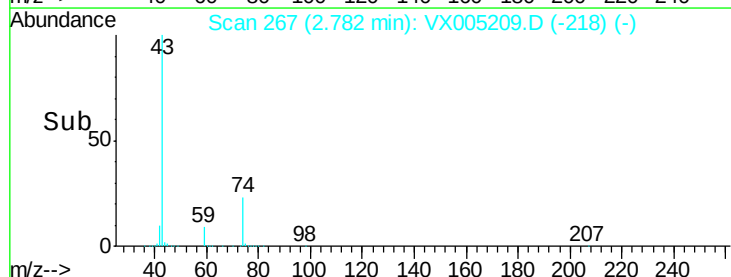
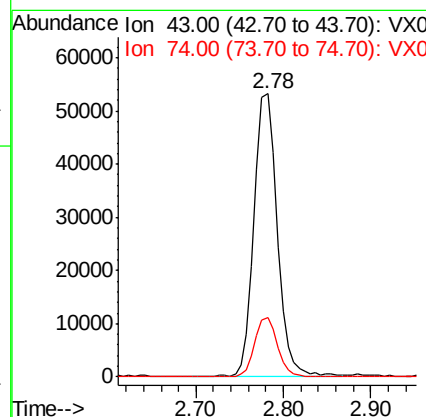
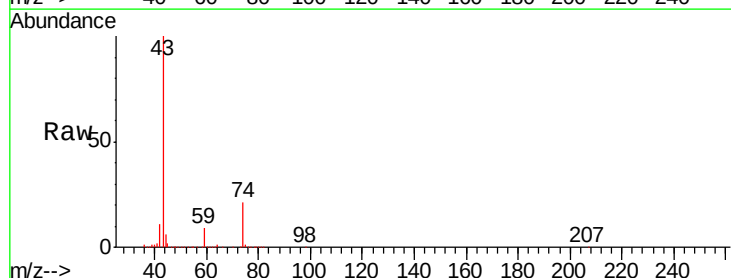
Acq: 10 Oct 2018 16:26

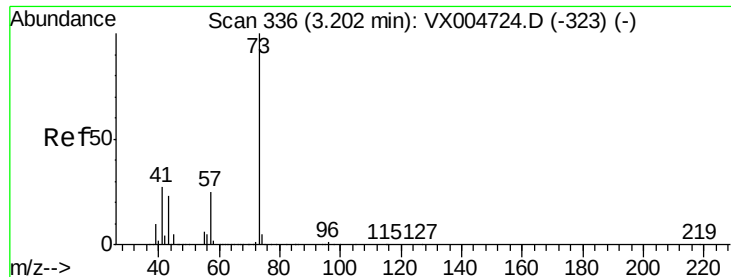
Tgt Ion: 43 Resp: 97837

Ion Ratio Lower Upper

43 100

74 21.0 17.8 26.8





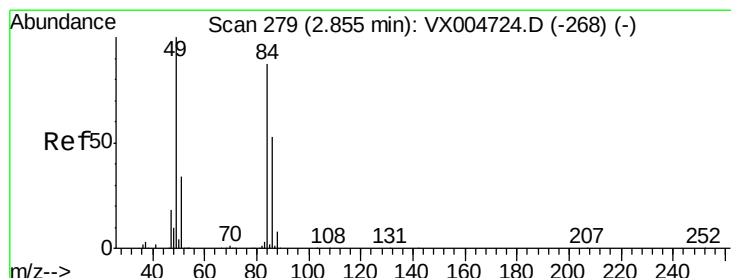
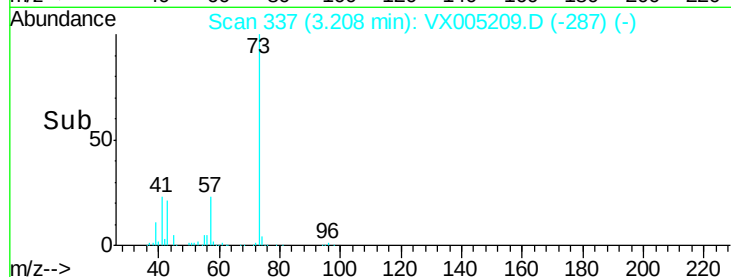
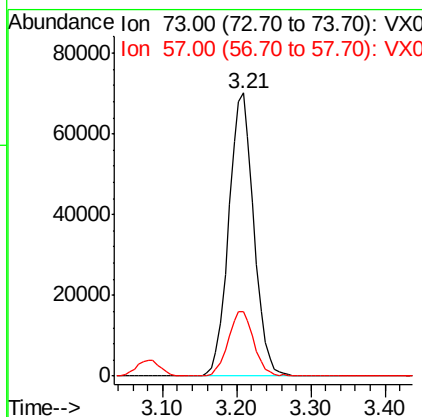
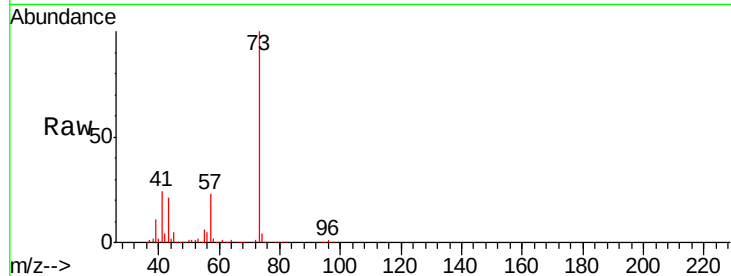
#19
Methyl tert-butyl Ether
Concen: 18.65 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX005209.D
Acq: 10 Oct 2018 16:26

Instrument :
MSVOA_X
ClientSampleId :
VX1010WBS01

Tgt Ion	Ratio	Lower	Upper
73	100		
57	22.9	19.9	29.9

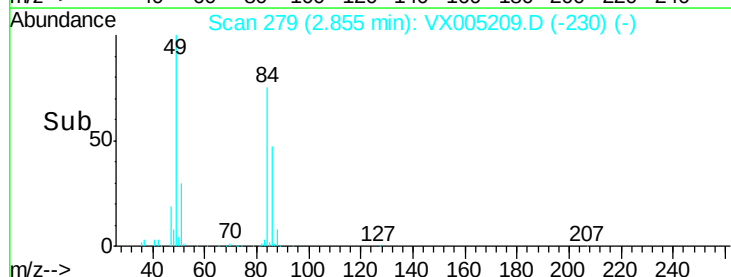
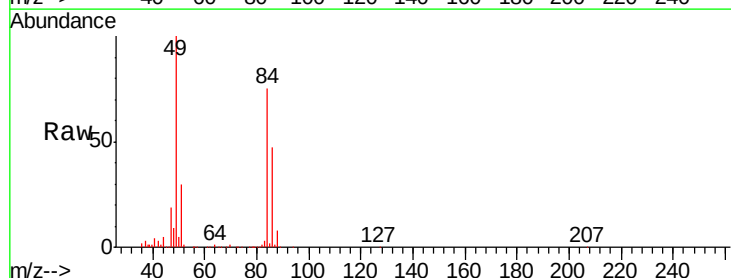
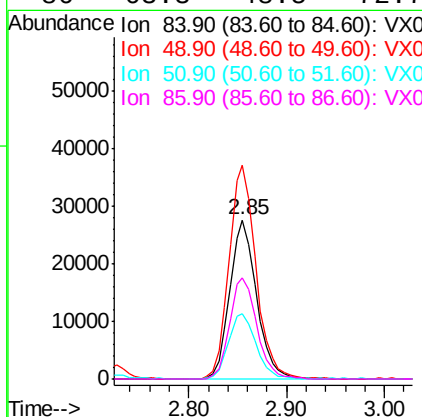
Manual Integrations
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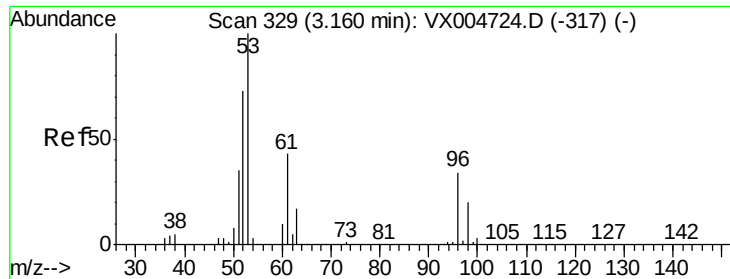
MMDadoda
10/12/2018 11:44:59 AM



#20
Methylene Chloride
Concen: 17.75 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005209.D
Acq: 10 Oct 2018 16:26

Tgt Ion	Ratio	Lower	Upper
84	100		
49	133.9	92.3	138.5
51	40.6	31.8	47.6
86	63.3	48.5	72.7





#21

trans-1,2-Dichloroethene

Concen: 17.50 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

Instrument :

MSVOA_X

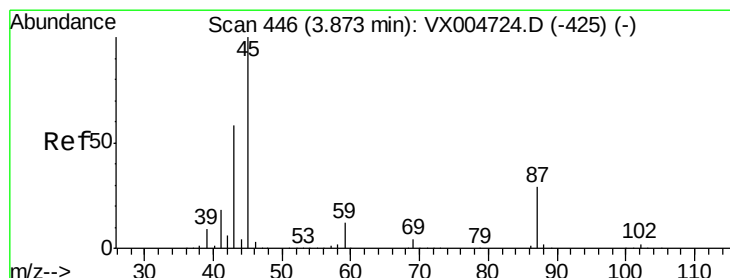
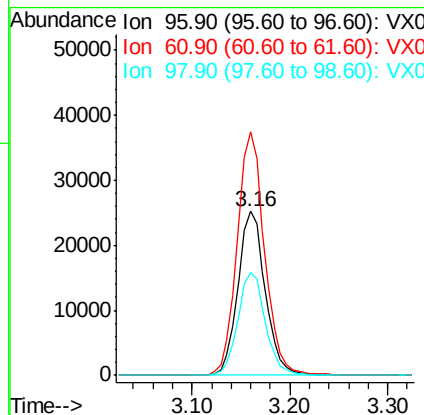
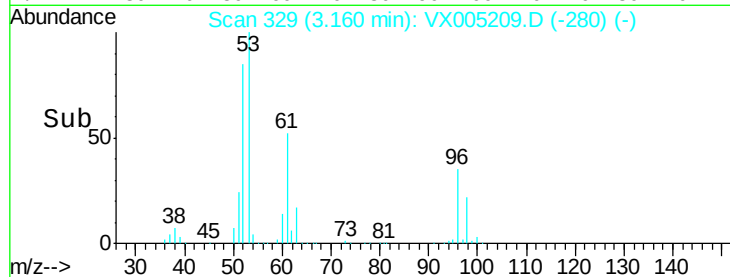
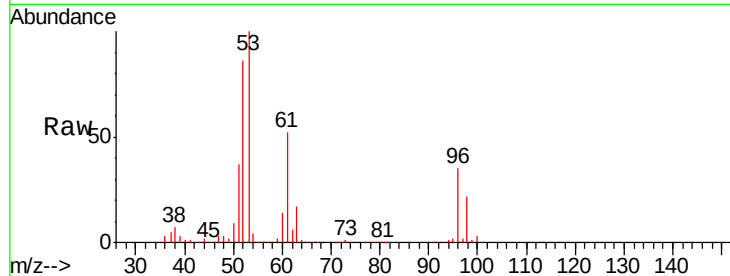
ClientSampleId :

VX1010WBS01

Tgt Ion:	96	Resp:	48958
Ion	Ratio	Lower	Upper
96	100		
61	148.5	101.0	151.6
98	62.8	47.2	70.8

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#22

Diisopropyl ether

Concen: 17.49 ug/l

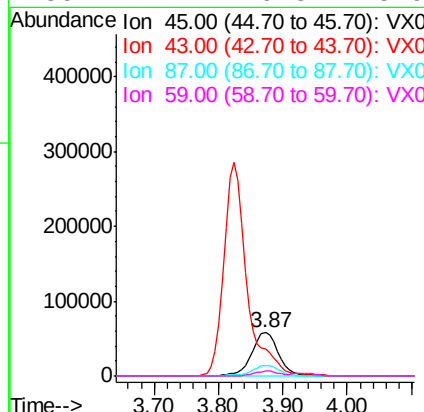
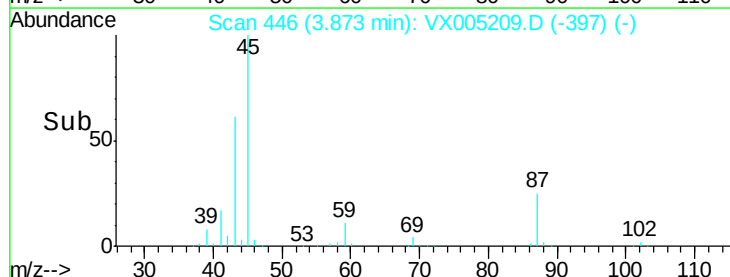
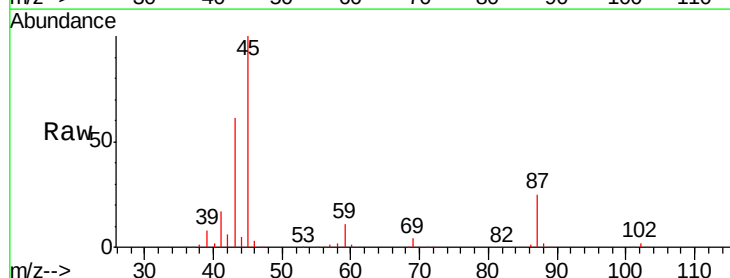
RT: 3.87 min Scan# 446

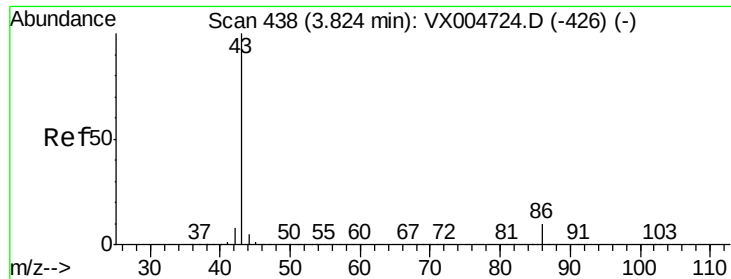
Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

Tgt Ion:	45	Resp:	164214
Ion	Ratio	Lower	Upper
45	100		
43	61.1	46.7	70.1
87	25.3	22.9	34.3
59	11.1	9.3	13.9





#23

Vinyl Acetate

Concen: 84.57 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

Instrument :

MSVOA_X

ClientSampleId :

VX1010WBS01

Tgt Ion: 43 Resp: 726667

Ion Ratio Lower Upper

43 100

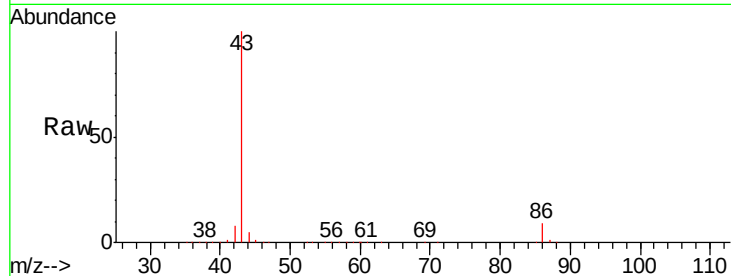
86 9.5 8.1 12.1

Manual Integrations

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10/12/2018 11:44:59 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

300000

200000

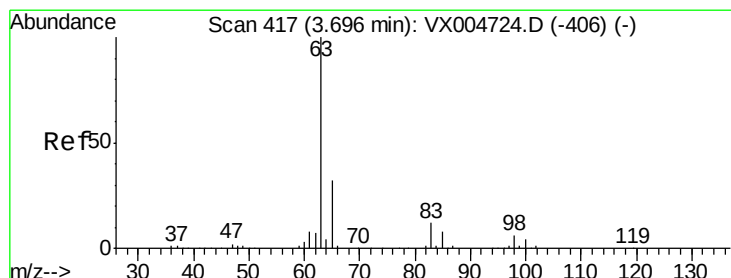
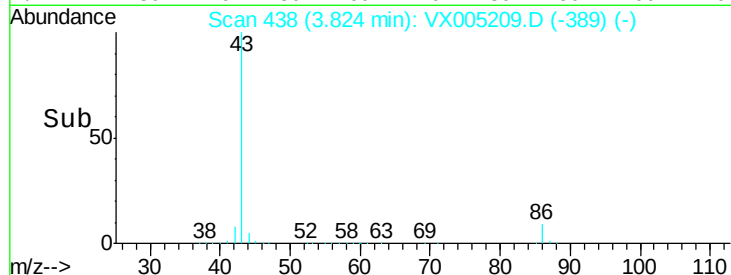
100000

0

3.80

4.00

Time-->



#24

1,1-Dichloroethane

Concen: 17.42 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

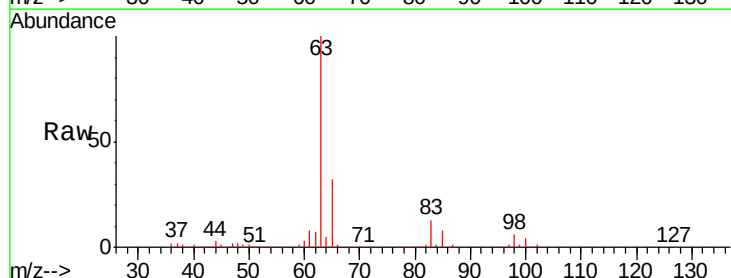
Tgt Ion: 63 Resp: 97548

Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.2

100 4.2 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.70

50000

40000

30000

20000

10000

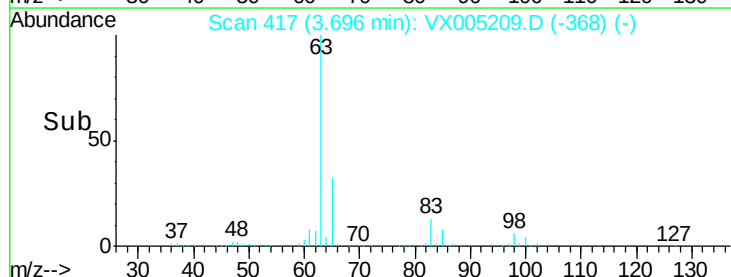
0

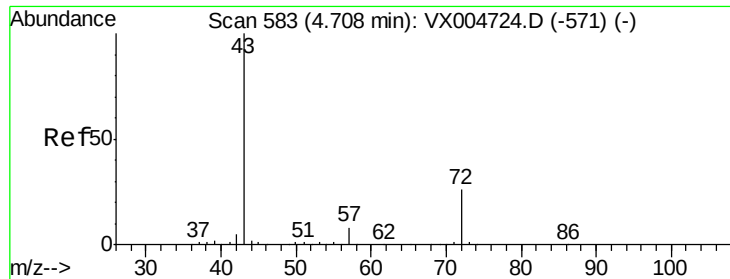
3.60

3.70

3.80

Time-->





#25

2-Butanone

Concen: 85.88 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

Instrument :

MSVOA_X

ClientSampleId :

VX1010WBS01

Tgt Ion: 43 Resp: 248948

Ion Ratio Lower Upper

43 100

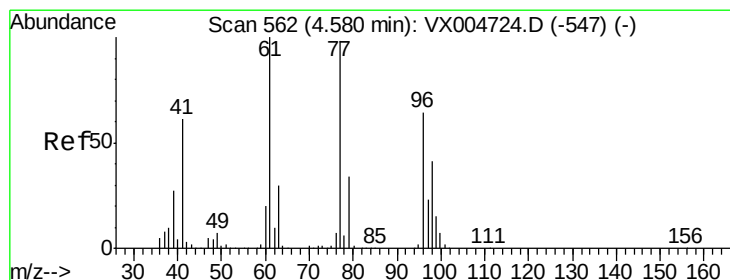
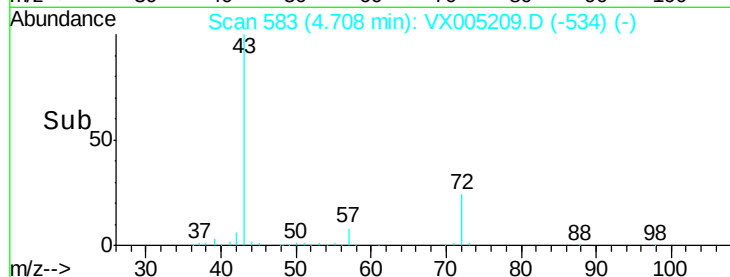
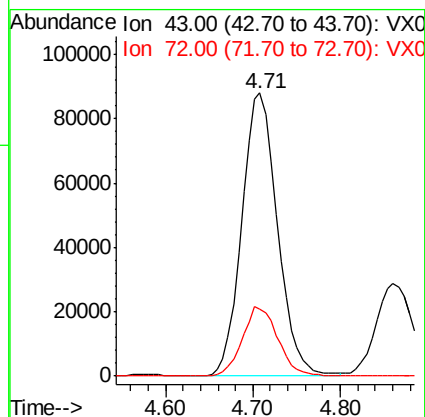
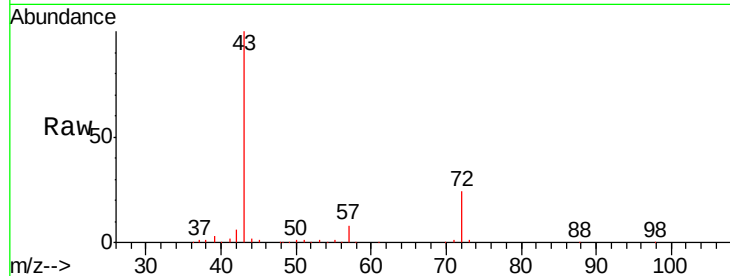
72 23.7 20.8 31.2

Manual Integrations

APPROVED

MMDadoda

10/12/2018 11:44:59 AM



#26

2,2-Dichloropropane

Concen: 17.99 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX005209.D

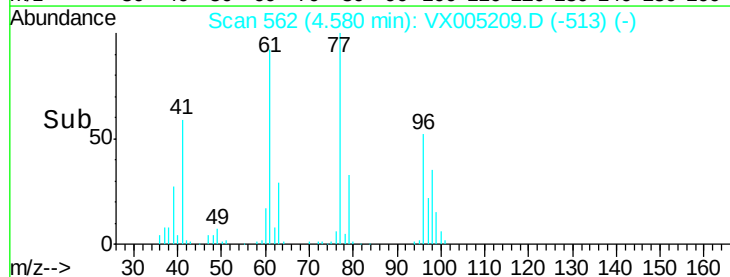
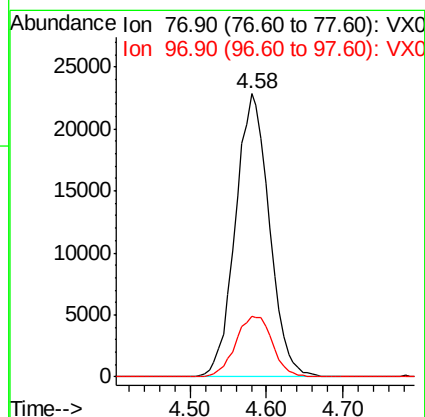
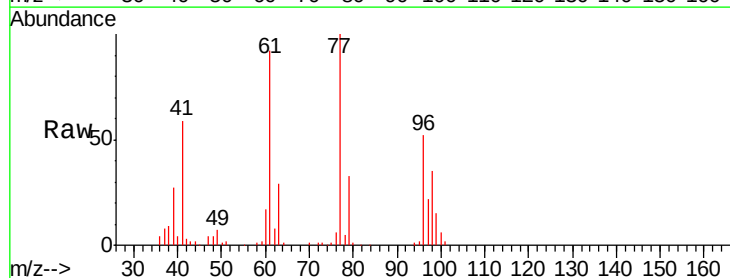
Acq: 10 Oct 2018 16:26

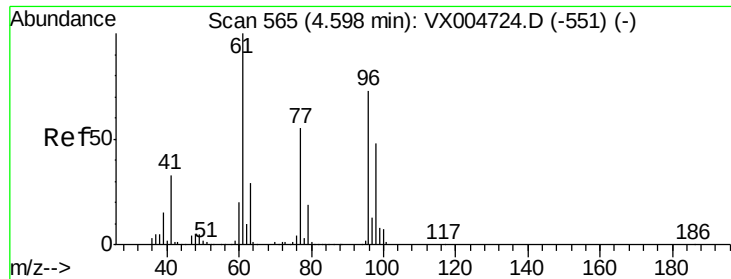
Tgt Ion: 77 Resp: 70146

Ion Ratio Lower Upper

77 100

97 23.3 12.6 37.8





#27

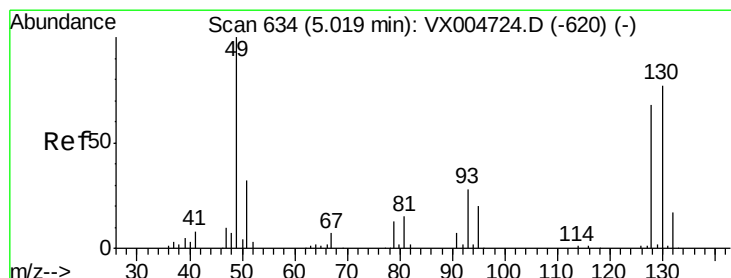
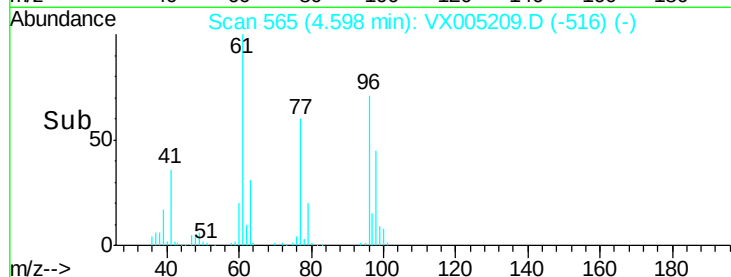
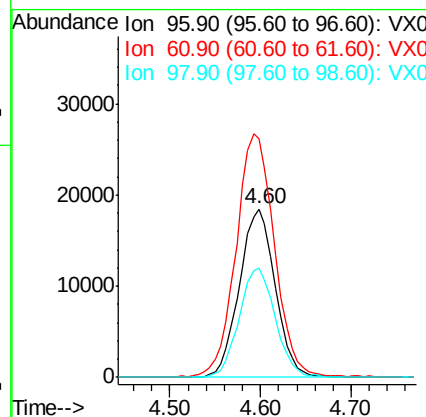
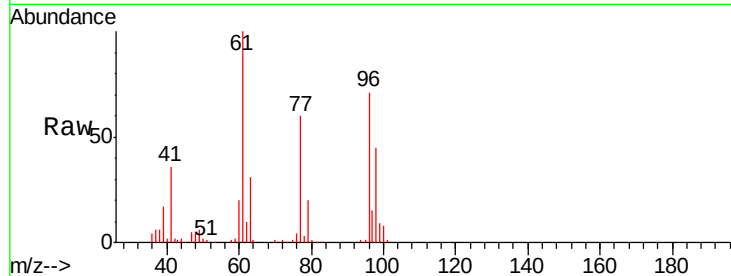
cis-1,2-Dichloroethene
 Concen: 16.20 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX005209.D
 Acq: 10 Oct 2018 16:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1010WBS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
96	100		
61	155.0	0.0	285.8
98	65.5	0.0	136.2

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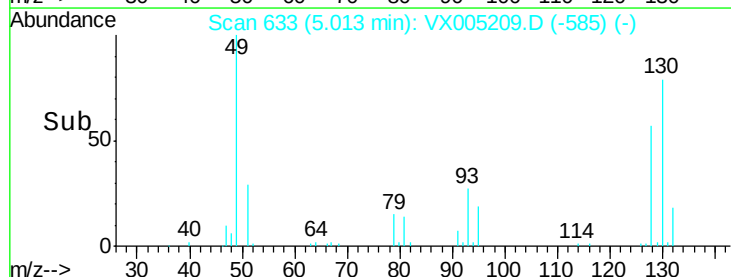
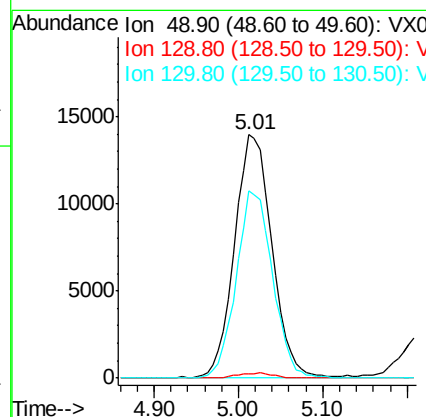
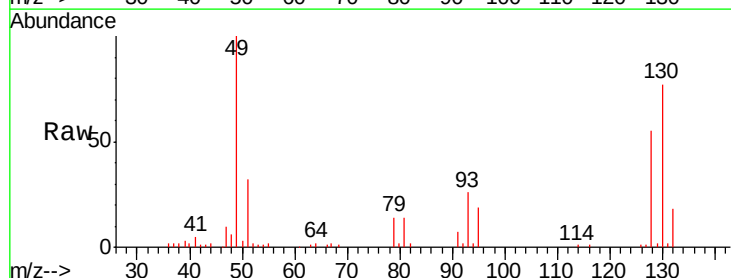
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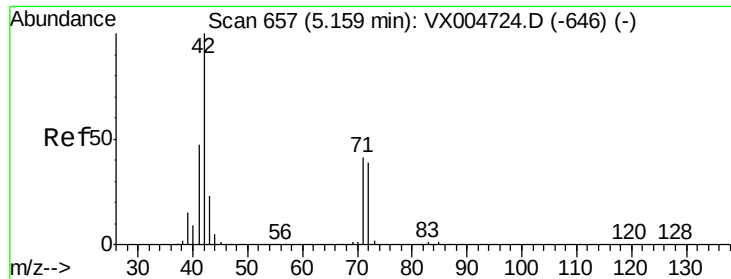


#28

Bromochloromethane
 Concen: 15.95 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: VX005209.D
 Acq: 10 Oct 2018 16:26

Tgt Ion	Ratio	Resp Lower	Resp Upper
49	100		
129	2.0	0.0	4.2
130	74.5	62.0	93.0





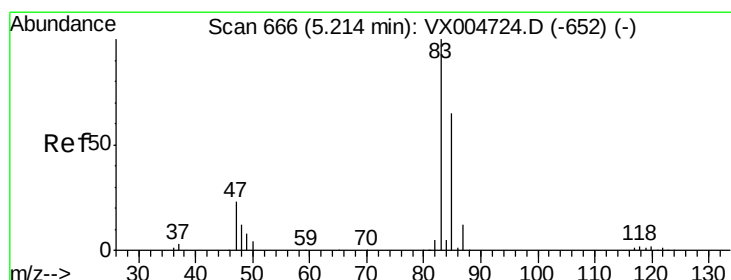
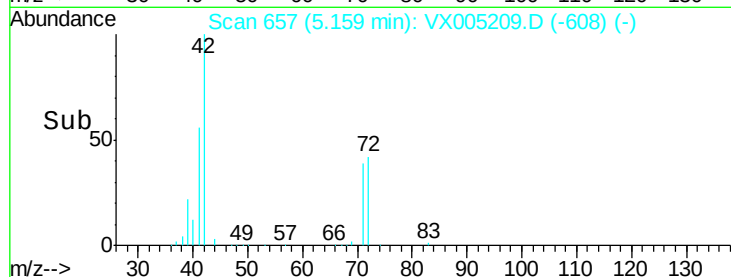
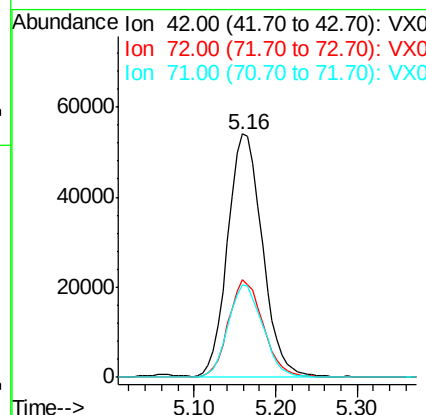
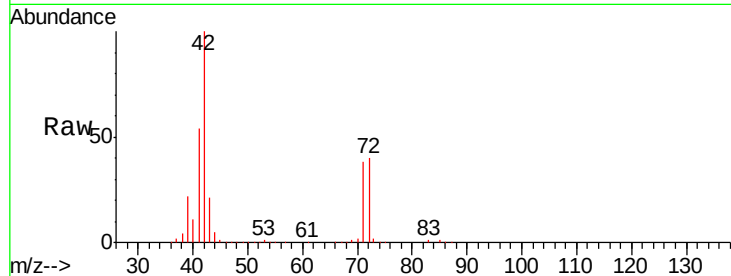
#29
Tetrahydrofuran
Concen: 87.81 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.00 min
Lab File: VX005209.D
Acq: 10 Oct 2018 16:26

Instrument :
MSVOA_X
ClientSampleId :
VX1010WBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	40.4	33.7	50.5
71	38.2	32.2	48.4

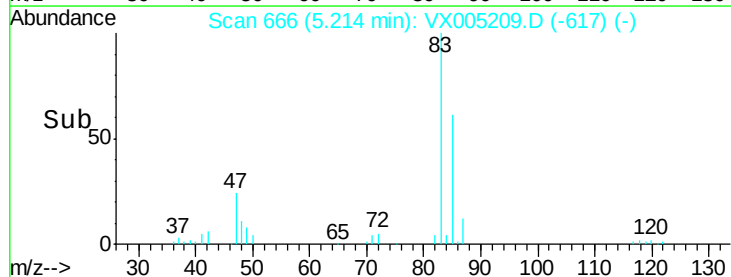
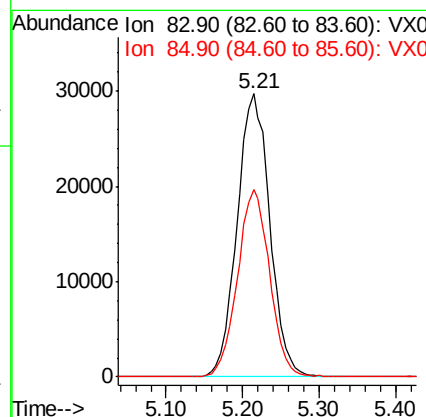
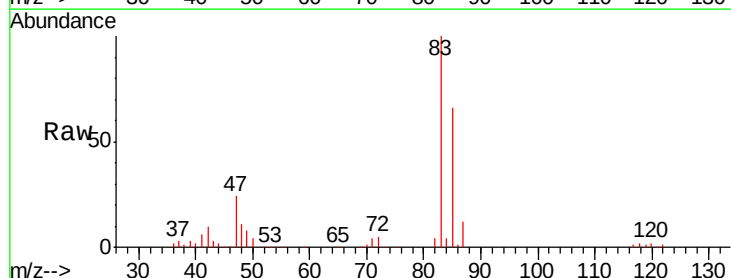
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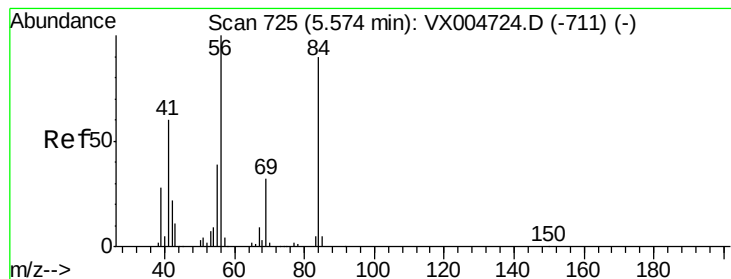
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#30
Chloroform
Concen: 16.63 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX005209.D
Acq: 10 Oct 2018 16:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	52.4	78.6





#31

Cyclohexane

Concen: 18.50 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

Instrument :

MSVOA_X

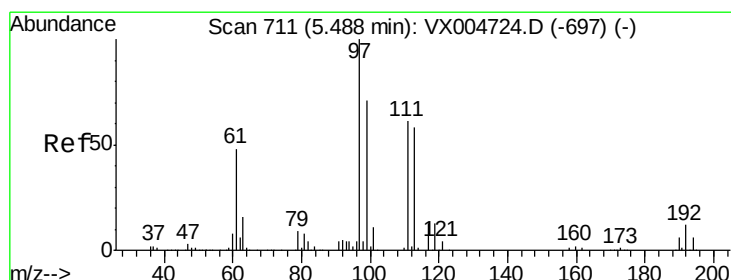
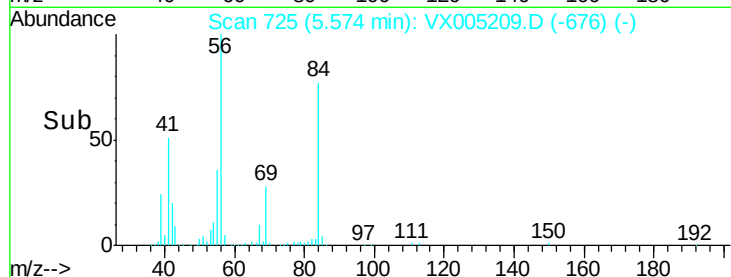
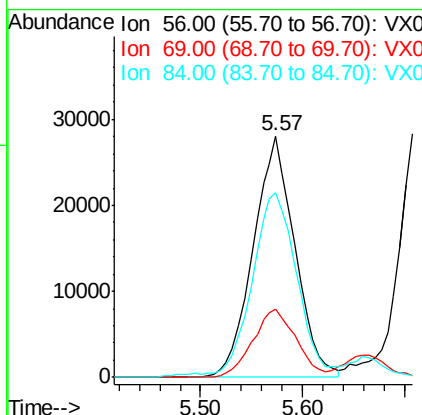
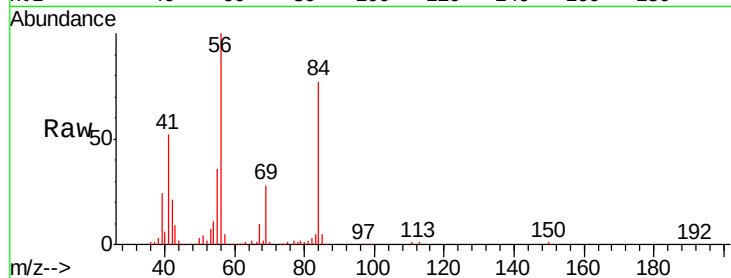
ClientSampleId :

VX1010WBS01

Tgt Ion:	56	Resp:	79286
Ion	Ratio	Lower	Upper
56	100		
69	28.2	25.9	38.9
84	75.4	71.9	107.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 17.53 ug/l

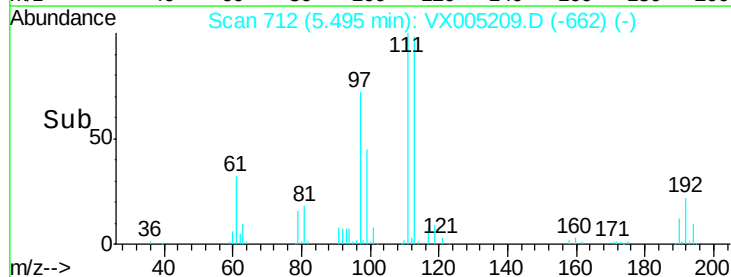
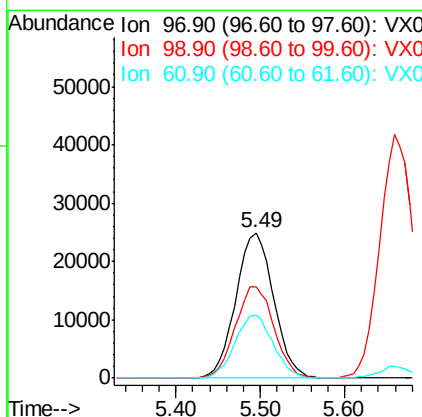
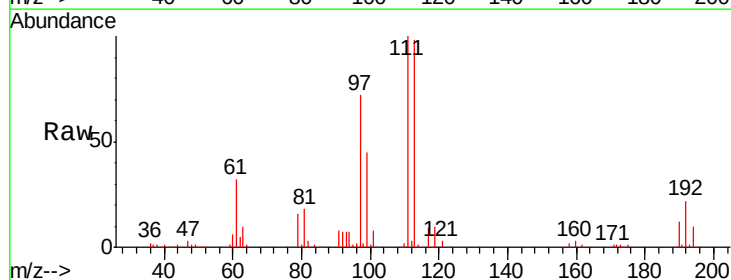
RT: 5.49 min Scan# 712

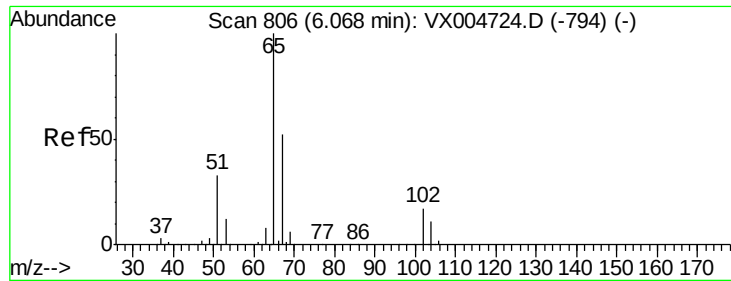
Delta R.T. 0.01 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

Tgt Ion:	97	Resp:	75756
Ion	Ratio	Lower	Upper
97	100		
99	64.5	54.6	82.0
61	44.0	37.5	56.3





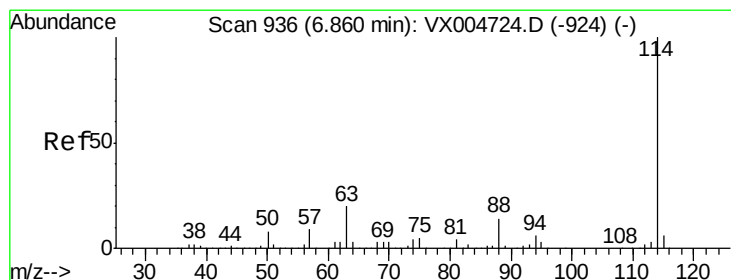
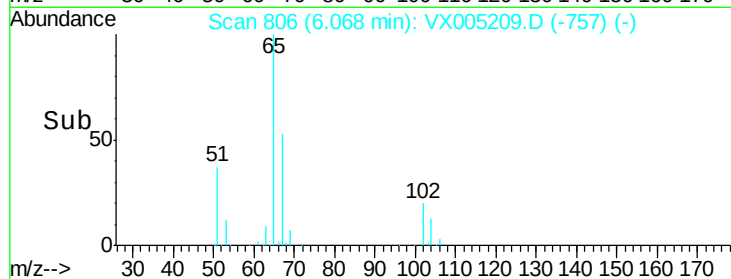
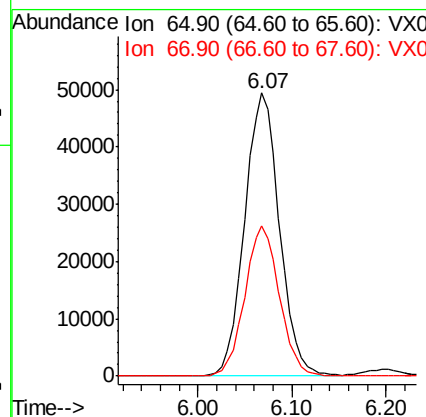
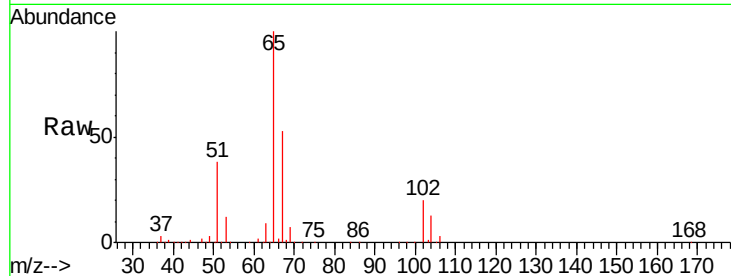
#33
 1,2-Dichloroethane-d4
 Concen: 37.91 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX005209.D
 Acq: 10 Oct 2018 16:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1010WBS01

Tgt Ion: 65 Resp: 127715
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 107.4

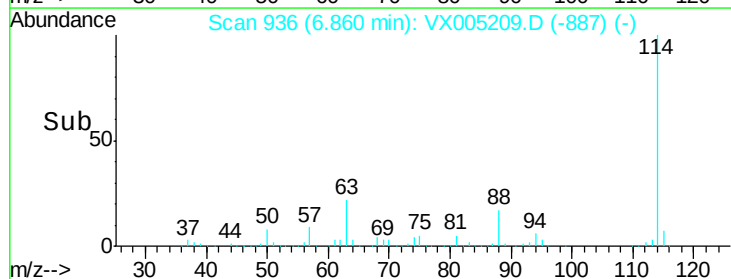
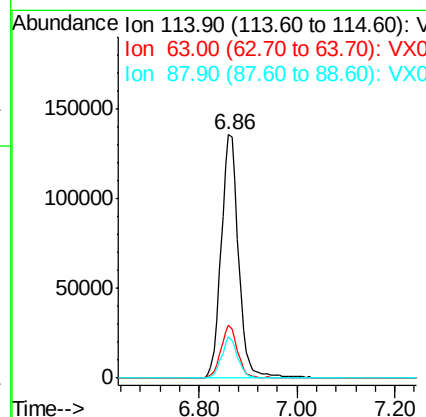
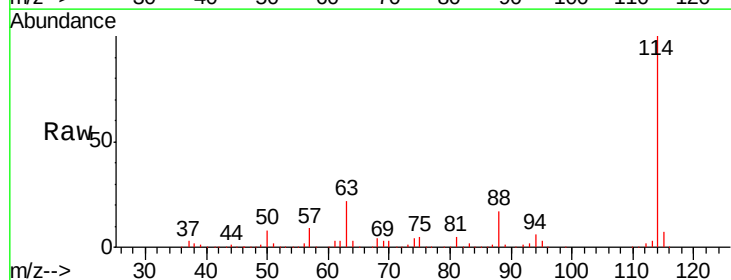
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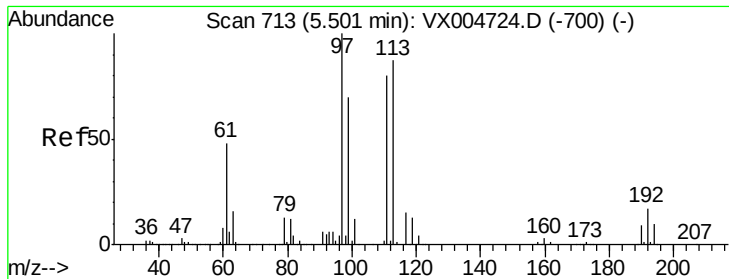
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX005209.D
 Acq: 10 Oct 2018 16:26

Tgt Ion: 114 Resp: 335513
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 39.8
 88 17.1 0.0 27.0





#35

Dibromofluoromethane

Concen: 36.89 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

Instrument :

MSVOA_X

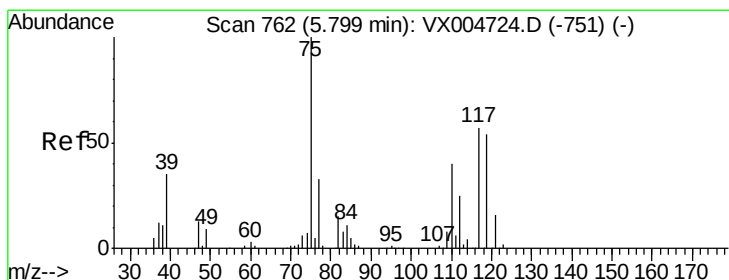
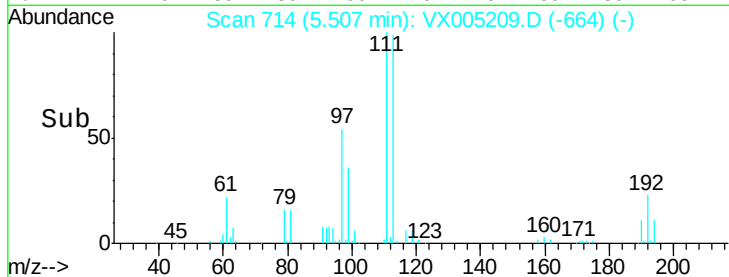
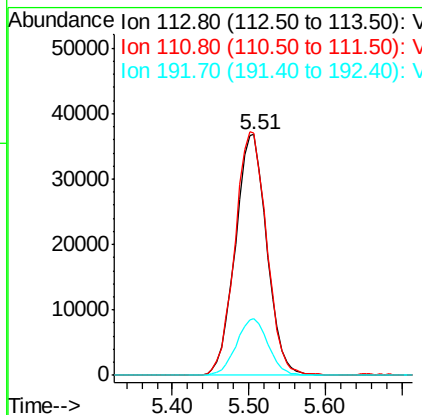
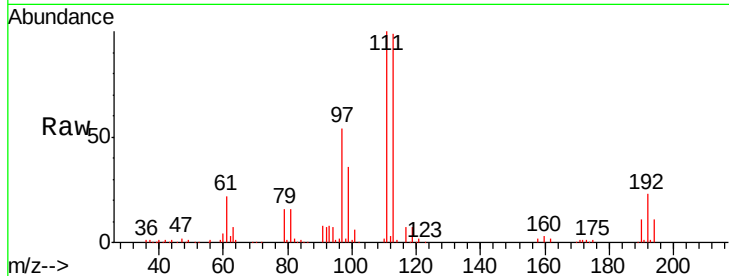
ClientSampleId :

VX1010WBS01

Tgt Ion:	113	Resp:	104907
Ion Ratio	Lower	Upper	
113	100		
111	102.0	77.0	115.4
192	23.6	17.0	25.6

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#36

1,1-Dichloropropene

Concen: 16.74 ug/l

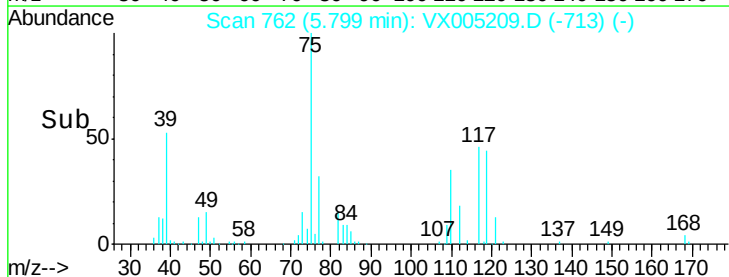
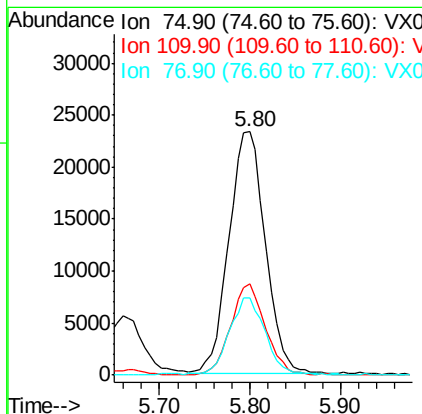
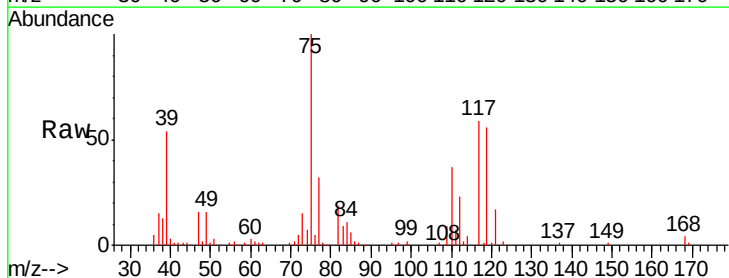
RT: 5.80 min Scan# 762

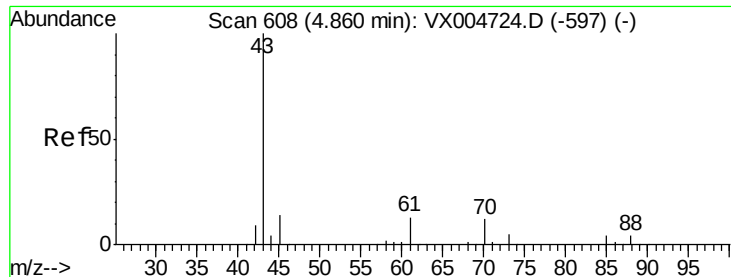
Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

Tgt Ion:	75	Resp:	64926
Ion Ratio	Lower	Upper	
75	100		
110	35.9	20.0	59.9
77	31.3	27.1	40.7





#37

Ethyl Acetate

Concen: 16.51 ug/l

RT: 4.86 min Scan# 608

Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

Instrument :

MSVOA_X

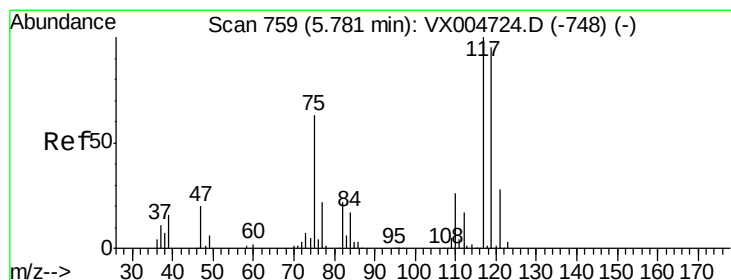
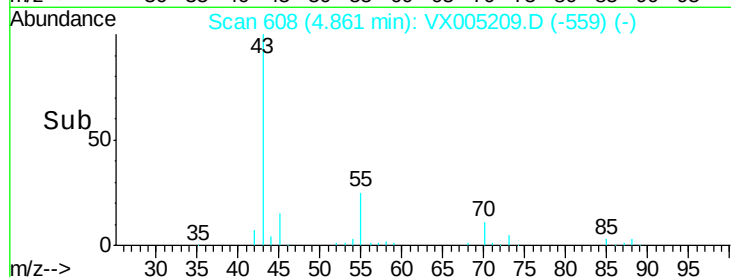
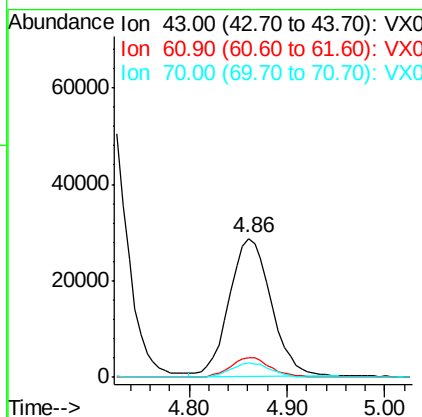
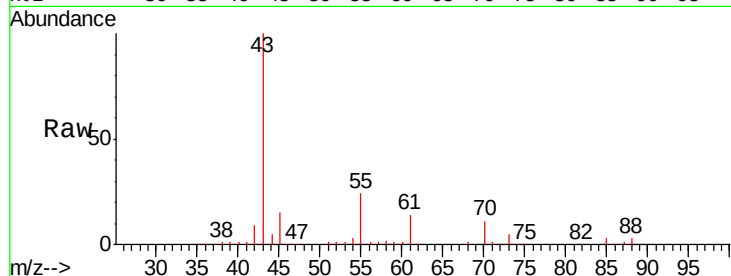
ClientSampleId :

VX1010WBS01

Tgt Ion:	43	Resp:	85000
Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.4	15.6
70	10.3	8.7	13.1

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#38

Carbon Tetrachloride

Concen: 16.85 ug/l

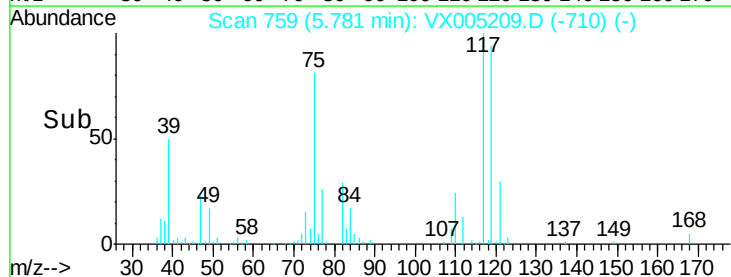
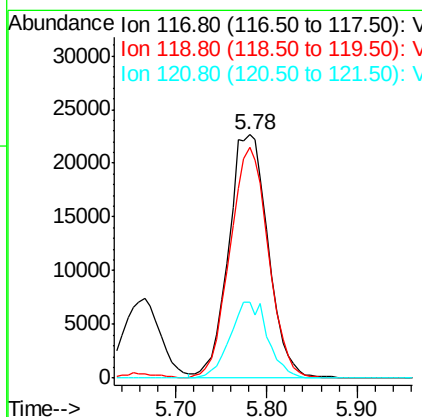
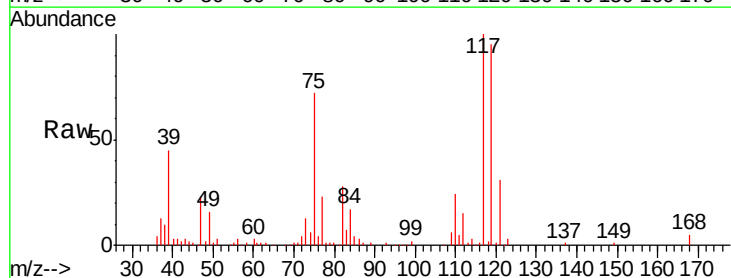
RT: 5.78 min Scan# 759

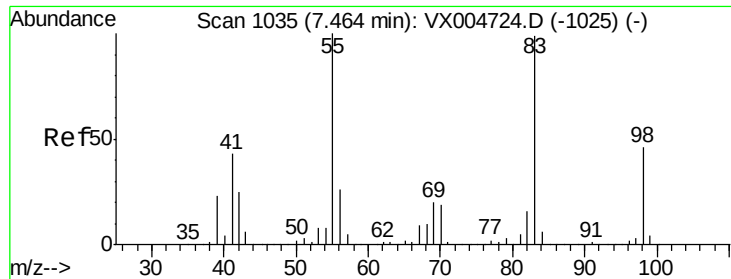
Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

Tgt Ion:	117	Resp:	68726
Ion	Ratio	Lower	Upper
117	100		
119	94.5	75.2	112.8
121	31.2	22.5	33.7





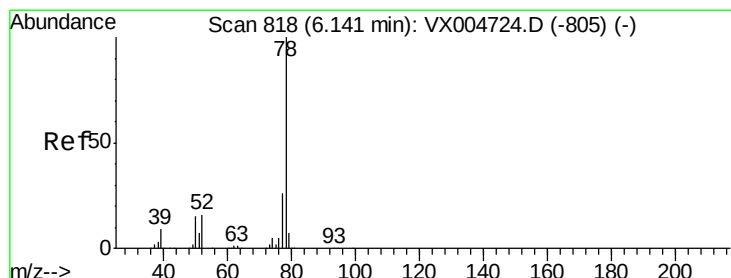
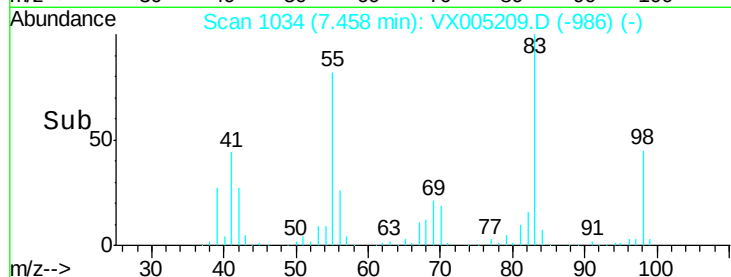
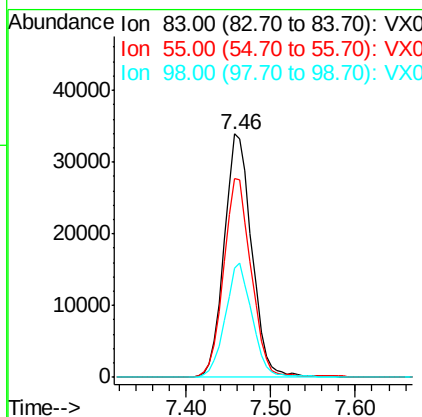
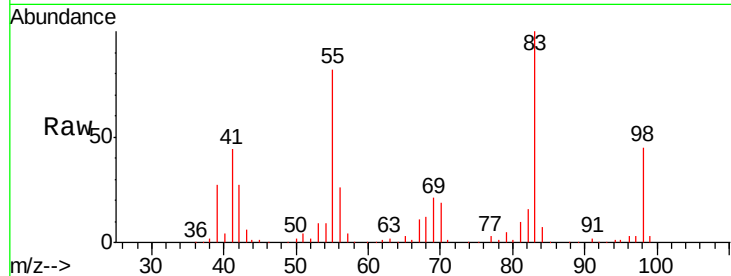
#39
Methylcyclohexane
Concen: 19.21 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX005209.D
Acq: 10 Oct 2018 16:26

Instrument :
MSVOA_X
ClientSampleId :
VX1010WBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	81.8	81.1	121.7
98	44.9	37.3	55.9

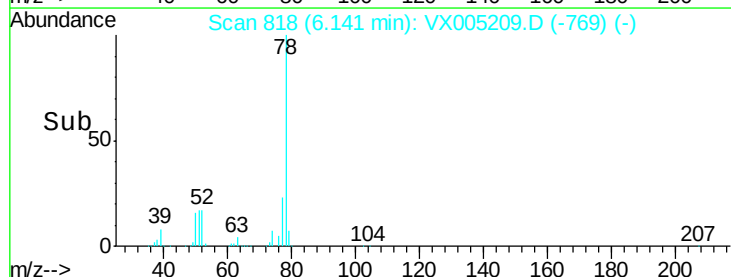
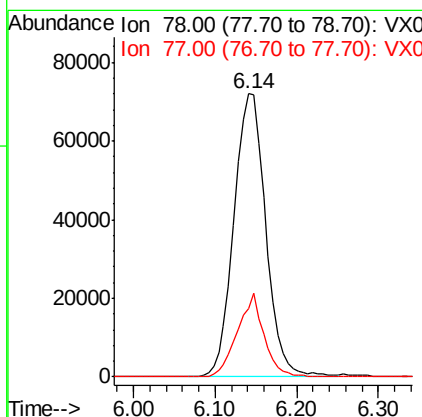
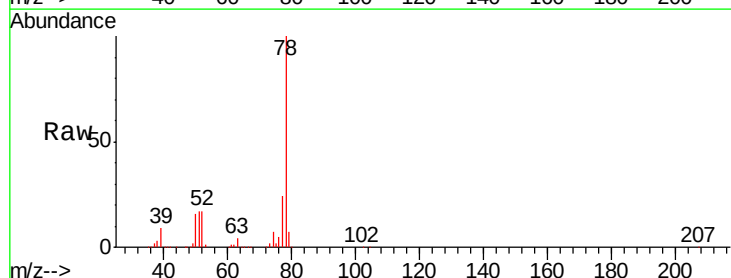
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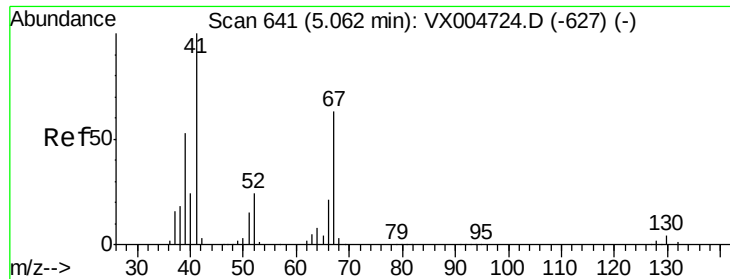
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#40
Benzene
Concen: 16.05 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX005209.D
Acq: 10 Oct 2018 16:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	21.0	31.4





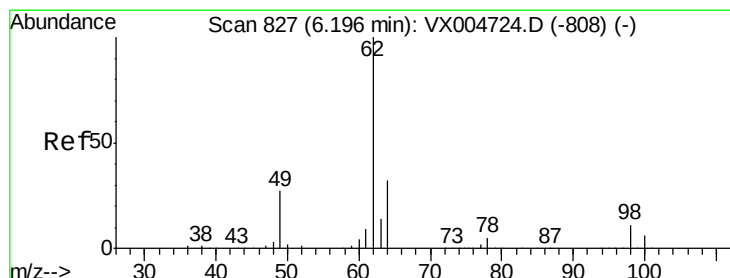
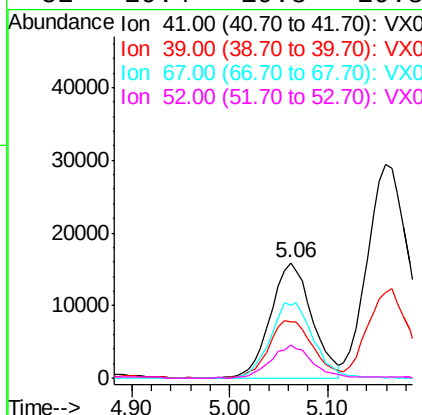
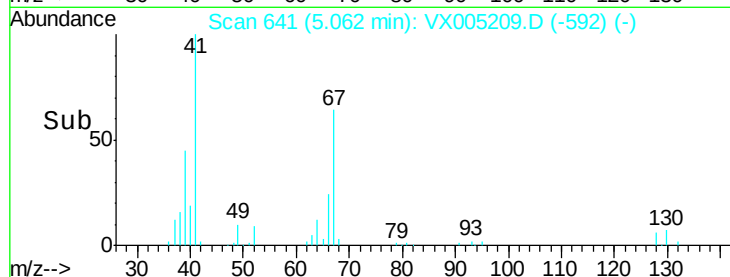
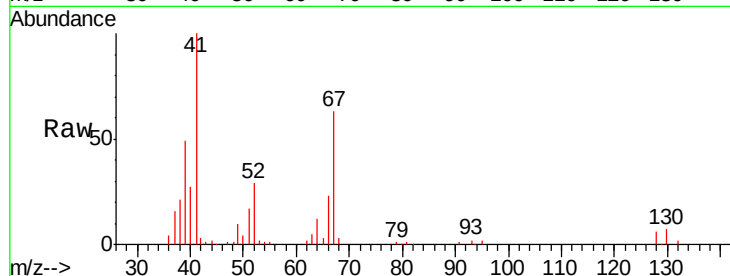
#41
Methacrylonitrile
Concen: 16.51 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.00 min
Lab File: VX005209.D
Acq: 10 Oct 2018 16:26

Instrument :
MSVOA_X
ClientSampleId :
VX1010WBS01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	53.9	42.5	63.7
67	67.9	53.0	79.6
52	29.4	19.8	29.8

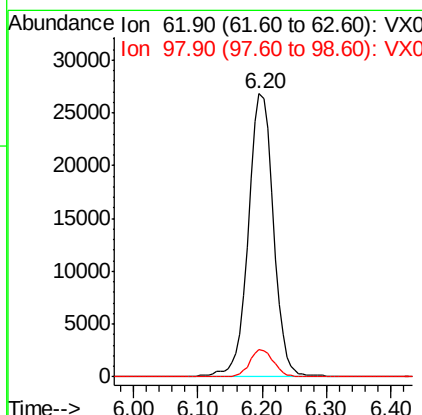
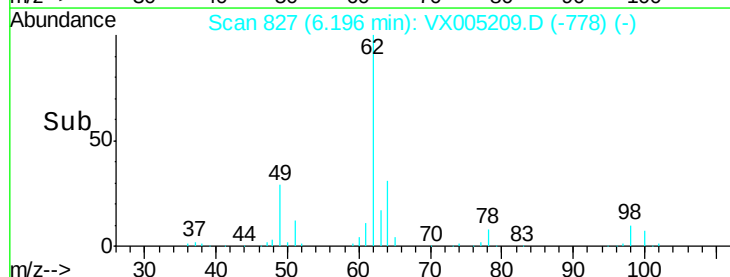
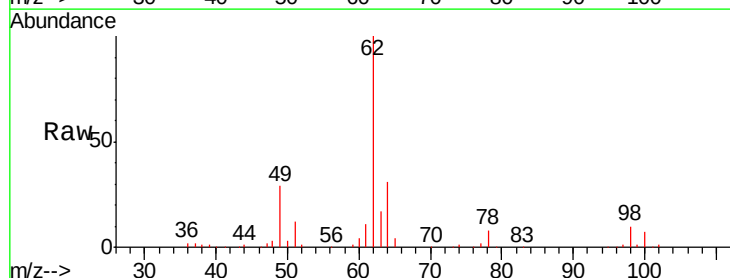
Manual Integrations
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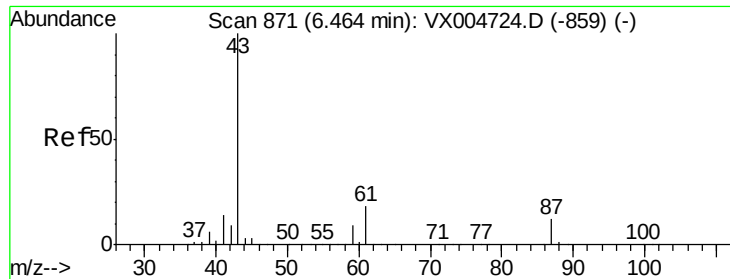
MMDadoda
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#42
1,2-Dichloroethane
Concen: 16.65 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX005209.D
Acq: 10 Oct 2018 16:26

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	20.2





#43

Isopropyl Acetate

Concen: 16.39 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

Instrument :

MSVOA_X

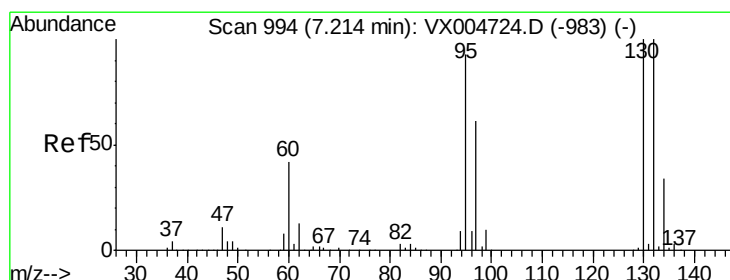
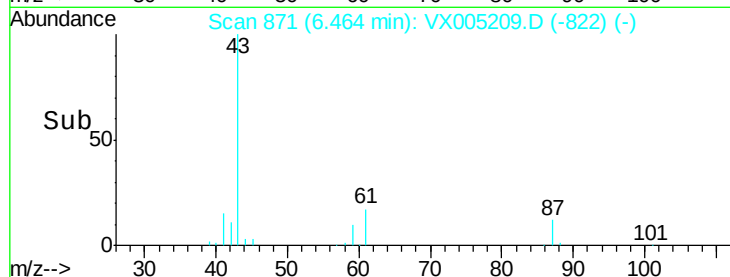
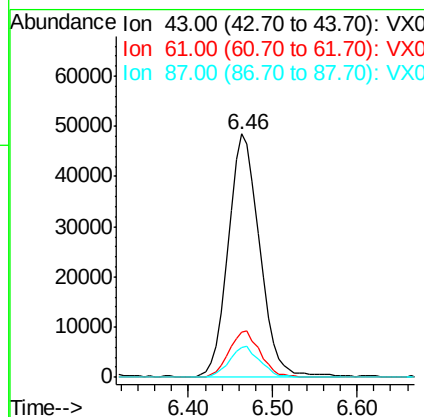
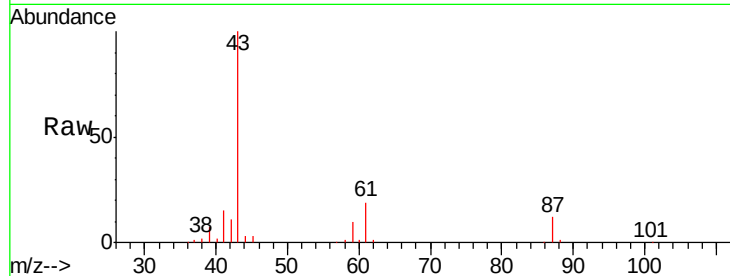
ClientSampleId :

VX1010WBS01

Tgt Ion:	43	Resp:	121853
Ion	Ratio	Lower	Upper
43	100		
61	19.2	14.2	21.4
87	12.6	9.3	13.9

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#44

Trichloroethene

Concen: 17.72 ug/l

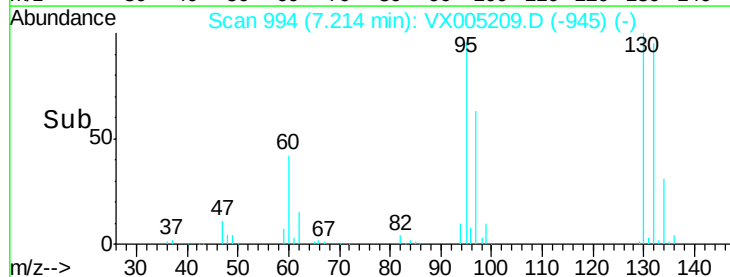
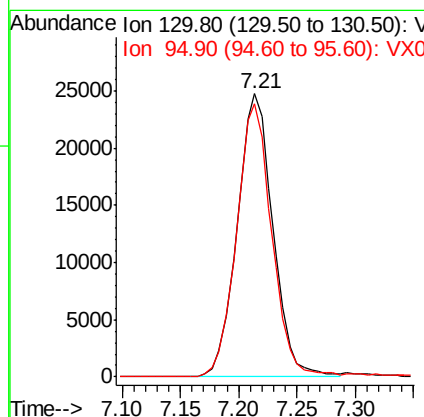
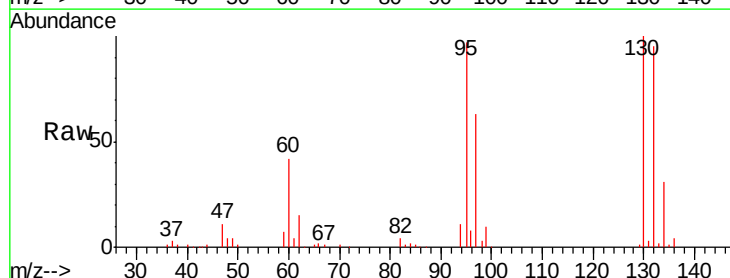
RT: 7.21 min Scan# 994

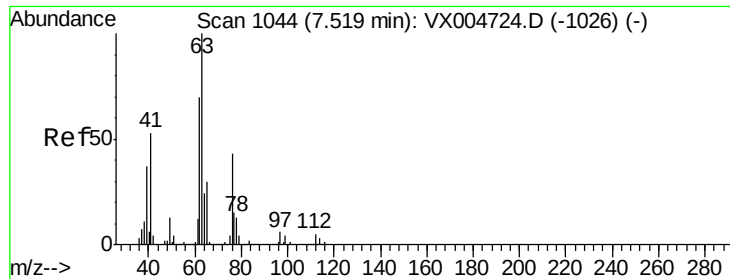
Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

Tgt Ion:	130	Resp:	52922
Ion	Ratio	Lower	Upper
130	100		
95	96.7	0.0	186.8





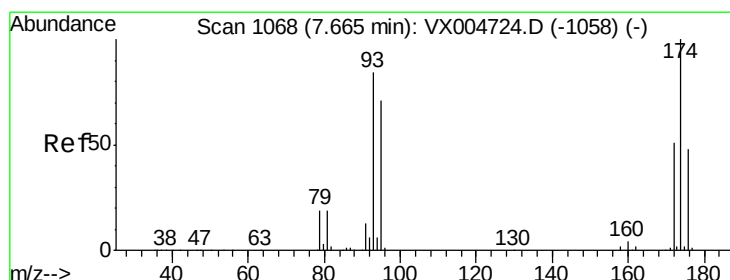
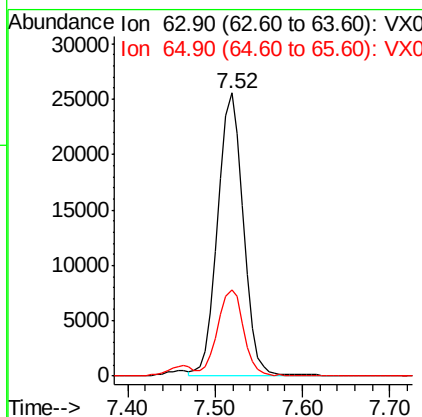
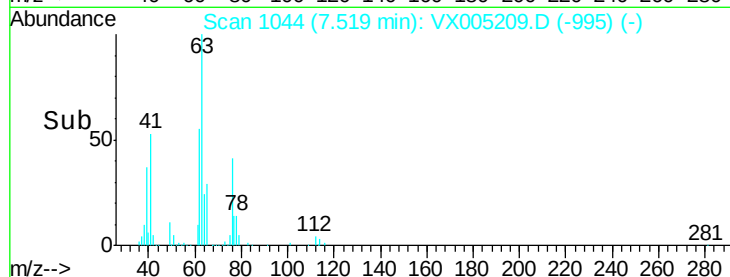
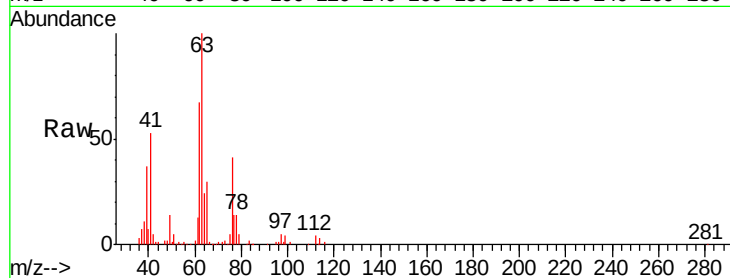
#45
 1,2-Dichloropropane
 Concen: 17.56 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: VX005209.D
 Acq: 10 Oct 2018 16:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1010WBS01

Tgt Ion: 63 Resp: 52298
 Ion Ratio Lower Upper
 63 100
 65 30.5 23.9 35.9

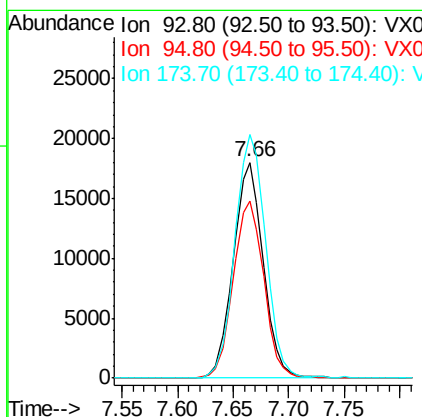
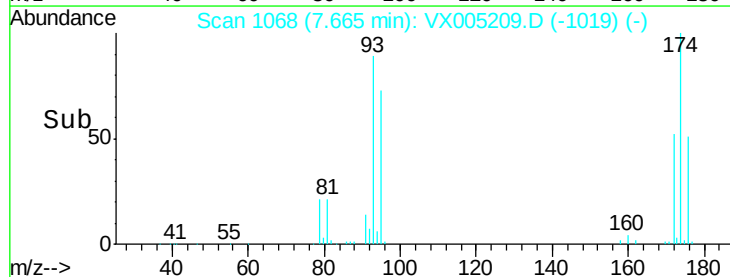
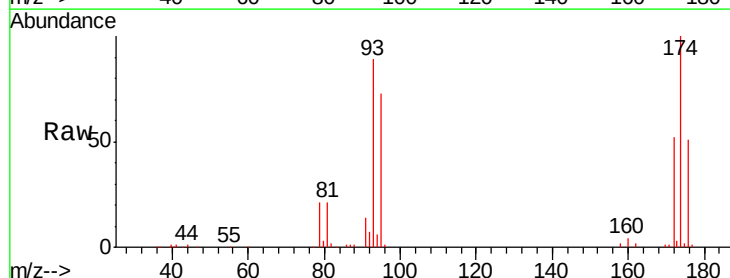
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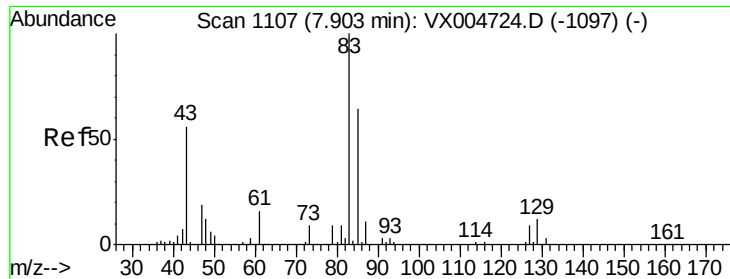
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#46
 Dibromomethane
 Concen: 17.89 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VX005209.D
 Acq: 10 Oct 2018 16:26

Tgt Ion: 93 Resp: 33490
 Ion Ratio Lower Upper
 93 100
 95 84.1 66.7 100.1
 174 116.6 92.7 139.1





#47

Bromodichloromethane

Concen: 18.27 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

Instrument :

MSVOA_X

ClientSampleId :

VX1010WBS01

Tgt Ion: 83 Resp: 64036

Ion Ratio Lower Upper

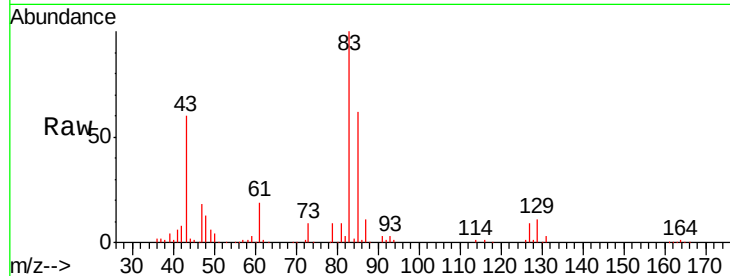
83 100

85 62.1 51.2 76.8

127 9.2 7.0 10.6

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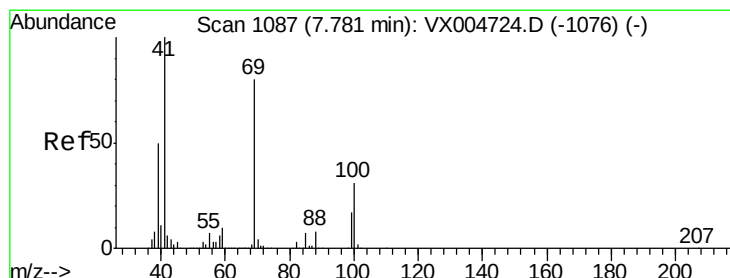
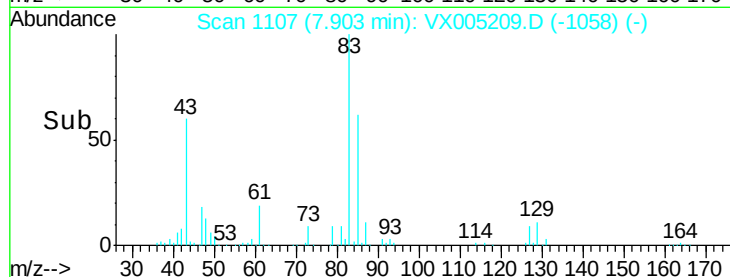
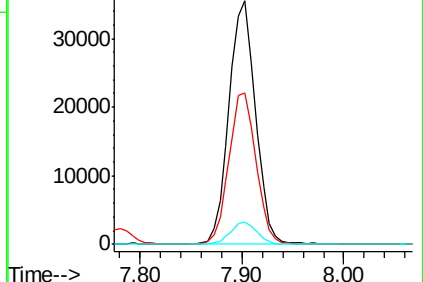
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 19.08 ug/l

RT: 7.78 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

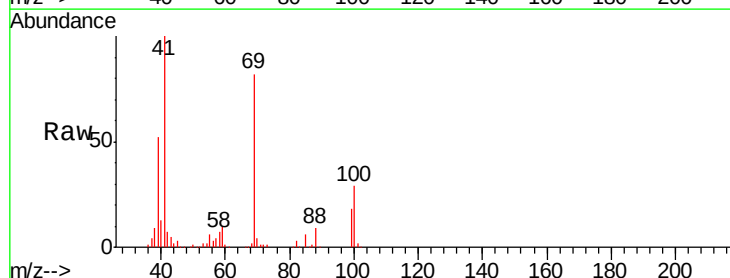
Tgt Ion: 41 Resp: 64383

Ion Ratio Lower Upper

41 100

69 80.6 63.8 95.6

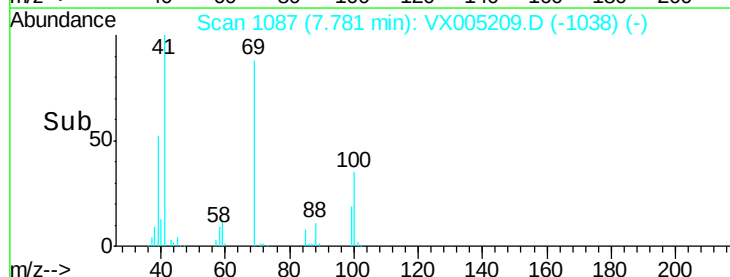
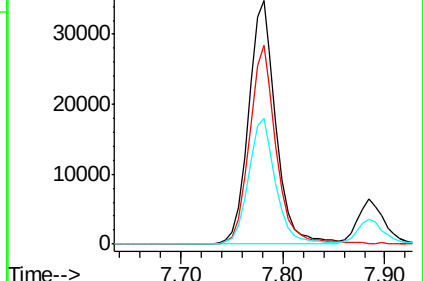
39 51.1 40.7 61.1

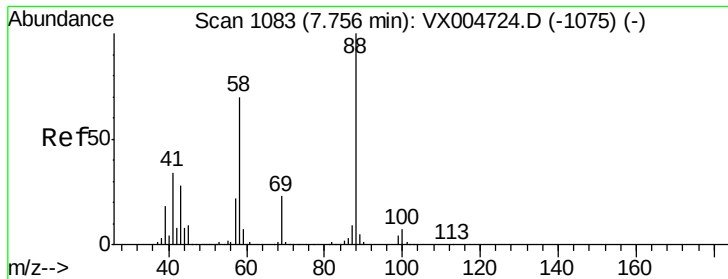


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





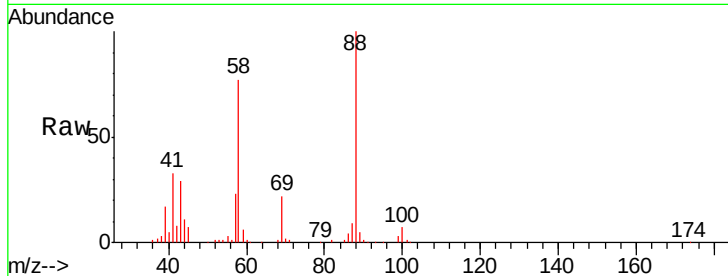
#49
1,4-Dioxane
Concen: 368.68 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.00 min
Lab File: VX005209.D
Acq: 10 Oct 2018 16:26

Instrument :
MSVOA_X
ClientSampleId :
VX1010WBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	33.3	25.1	37.7
58	75.3	56.2	84.2

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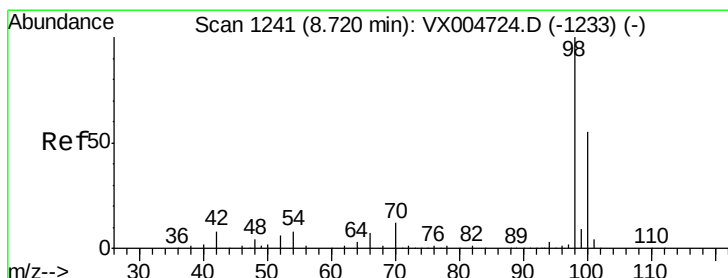
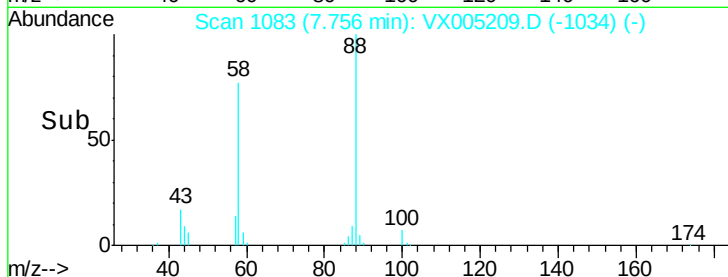
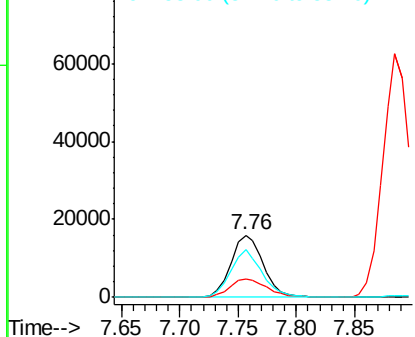
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Abundance Ion 88.00 (87.70 to 88.70): VX004724.D (-1075) (-)

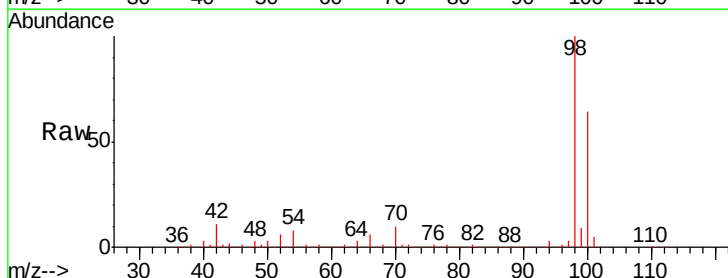
Ion 43.00 (42.70 to 43.70): VX004724.D (-1075) (-)

Ion 58.00 (57.70 to 58.70): VX004724.D (-1075) (-)



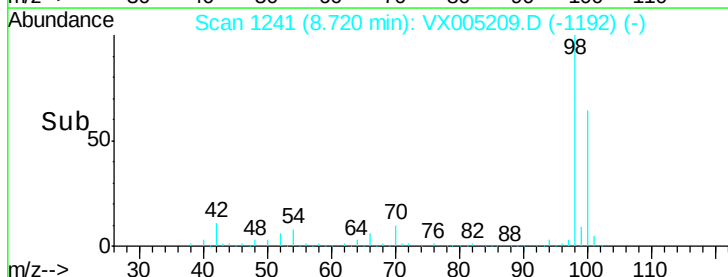
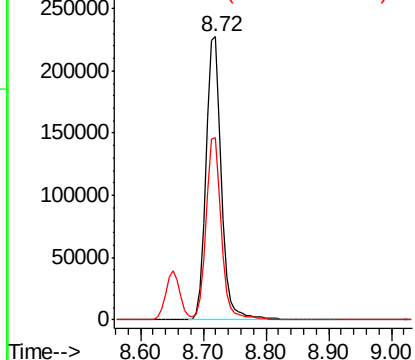
#50
Toluene-d8
Concen: 40.78 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX005209.D
Acq: 10 Oct 2018 16:26

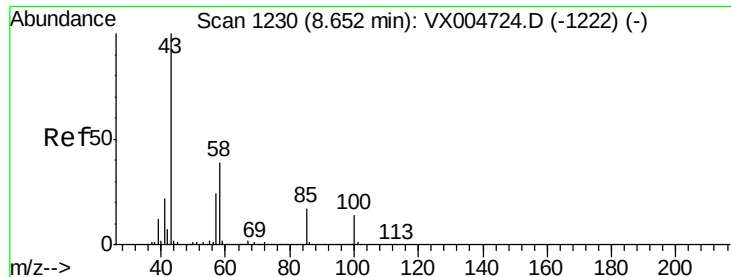
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.9	77.9



Abundance Ion 98.00 (97.70 to 98.70): VX004724.D (-1233) (-)

Ion 100.00 (99.70 to 100.70): VX004724.D (-1233) (-)





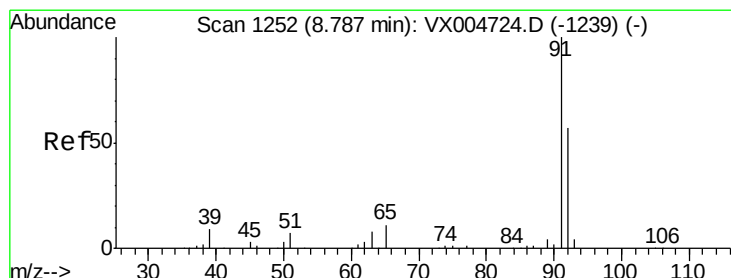
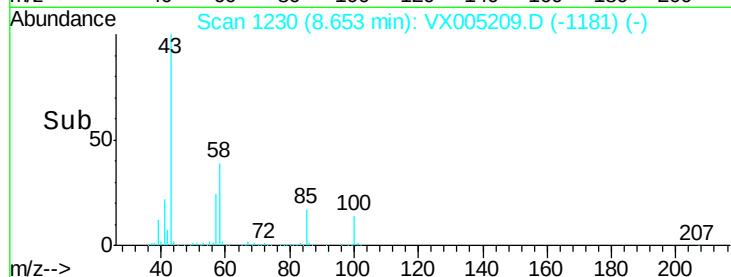
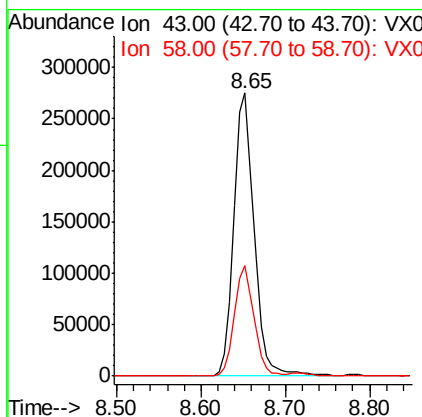
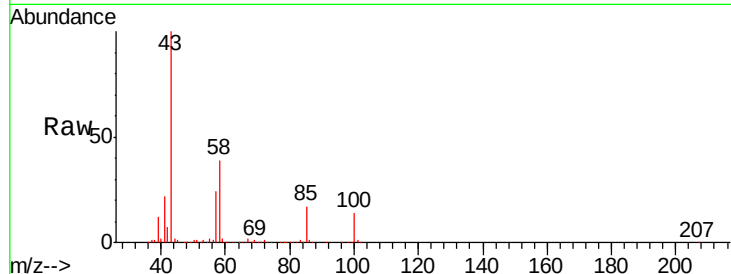
#51
 4-Methyl-2-Pentanone
 Concen: 95.79 ug/l
 RT: 8.65 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VX005209.D
 Acq: 10 Oct 2018 16:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1010WBS01

Tgt Ion: 43 Resp: 448315
 Ion Ratio Lower Upper
 43 100
 58 37.6 30.5 45.7

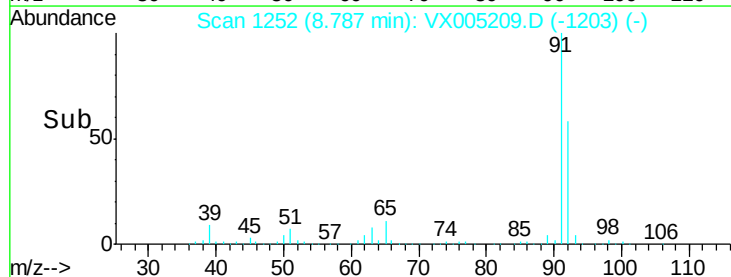
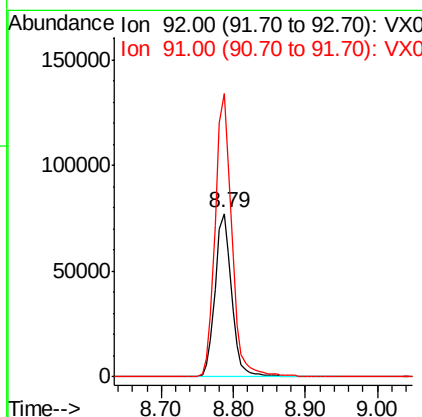
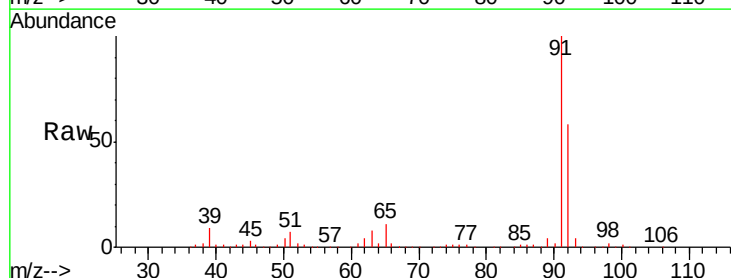
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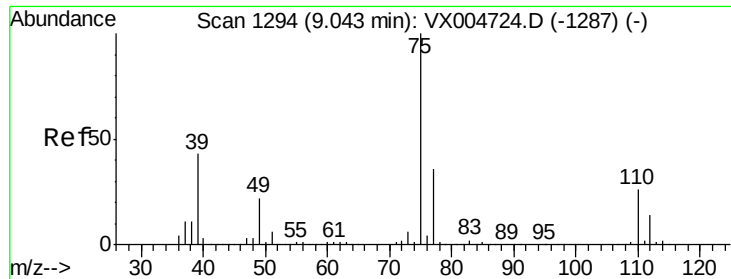
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#52
 Toluene
 Concen: 18.53 ug/l
 RT: 8.79 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VX005209.D
 Acq: 10 Oct 2018 16:26

Tgt Ion: 92 Resp: 123661
 Ion Ratio Lower Upper
 92 100
 91 174.1 136.7 205.1





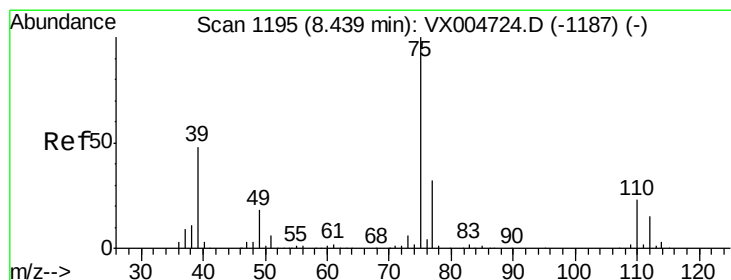
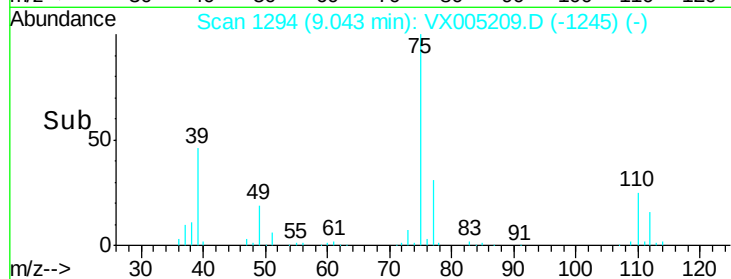
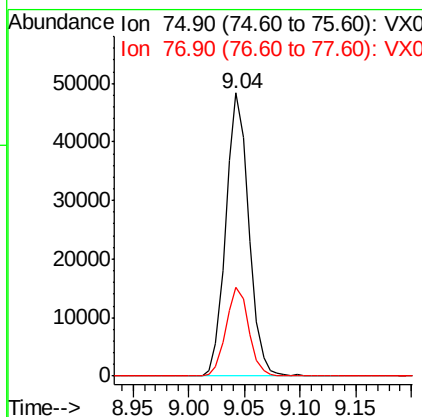
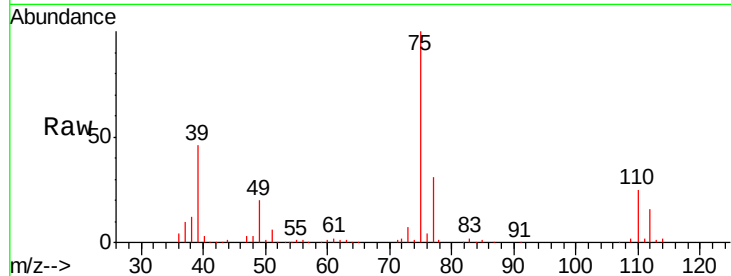
#53
t-1,3-Dichloropropene
Concen: 17.46 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX005209.D
Acq: 10 Oct 2018 16:26

Instrument :
MSVOA_X
ClientSampleId :
VX1010WBS01

Tgt Ion: 75 Resp: 69159
Ion Ratio Lower Upper
75 100
77 31.4 28.9 43.3

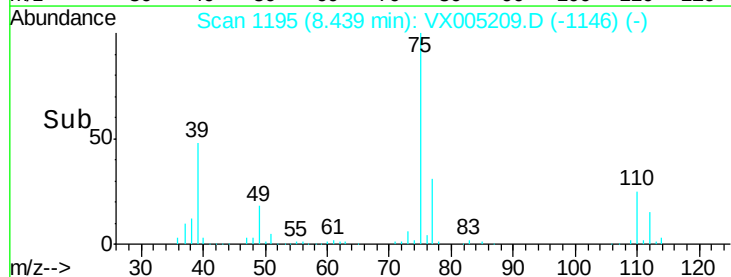
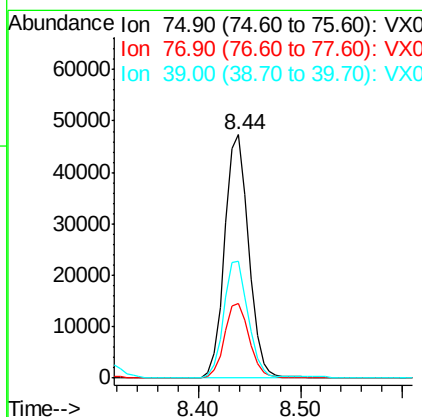
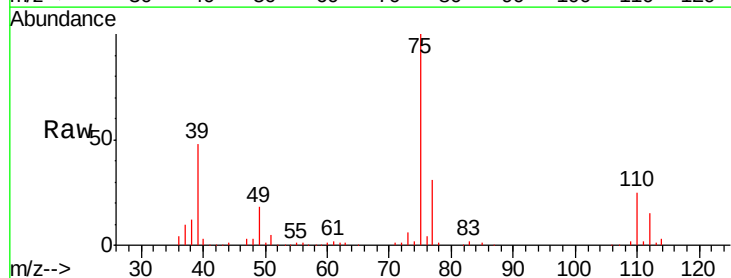
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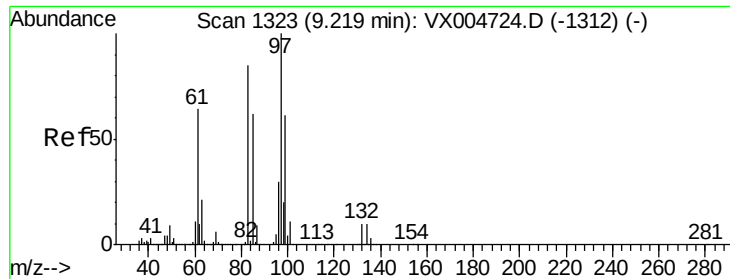
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#54
cis-1,3-Dichloropropene
Concen: 18.65 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.00 min
Lab File: VX005209.D
Acq: 10 Oct 2018 16:26

Tgt Ion: 75 Resp: 77376
Ion Ratio Lower Upper
75 100
77 30.9 25.7 38.5
39 47.7 38.3 57.5





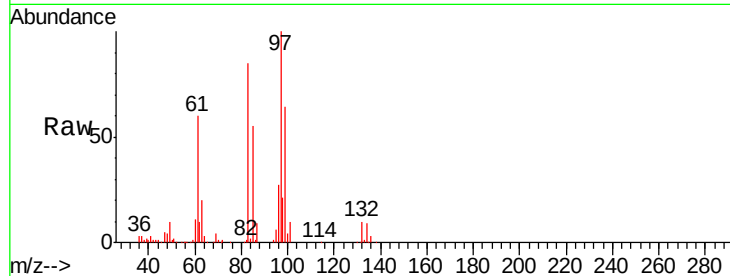
#55
 1,1,2-Trichloroethane
 Concen: 17.47 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VX005209.D
 Acq: 10 Oct 2018 16:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1010WBS01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.0	68.2	102.2
85	55.0	49.9	74.9
99	64.2	48.9	73.3

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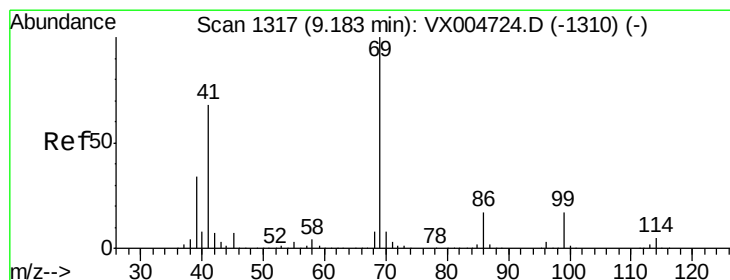
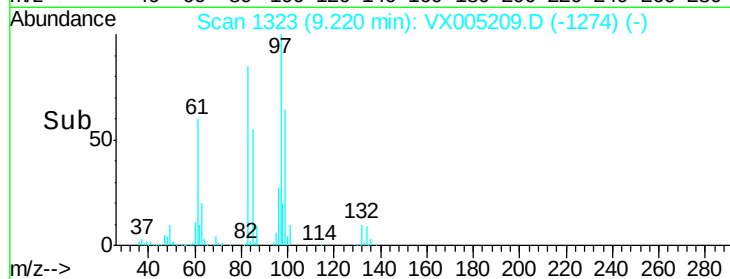
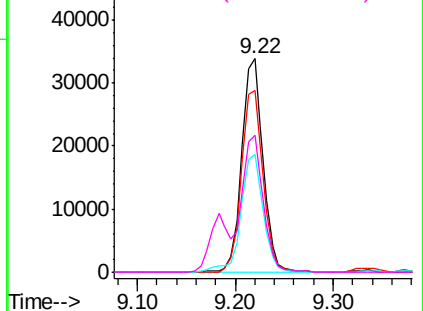
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

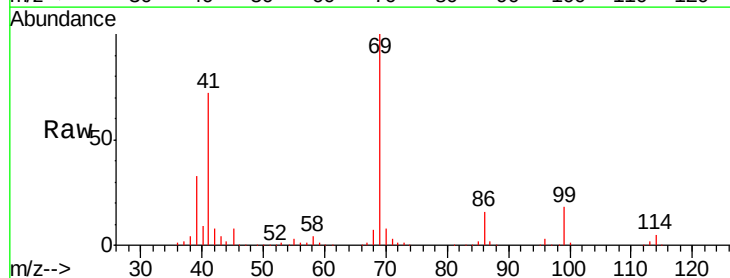
Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56
 Ethyl methacrylate
 Concen: 17.69 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX005209.D
 Acq: 10 Oct 2018 16:26

Tgt Ion	Ratio	Lower	Upper
69	100		
41	70.4	56.9	85.3
39	34.1	28.4	42.6

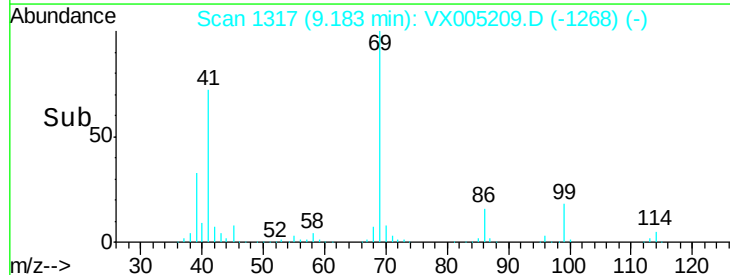
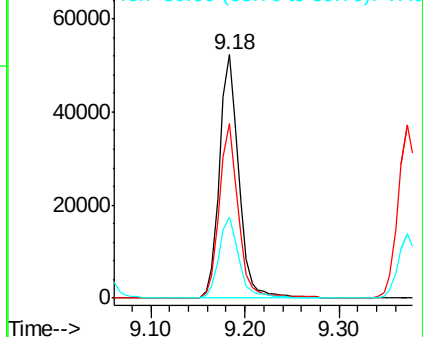


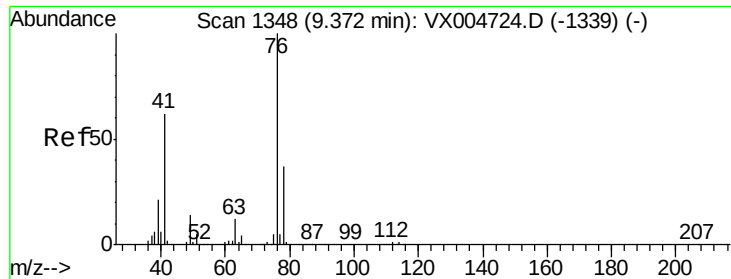
Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





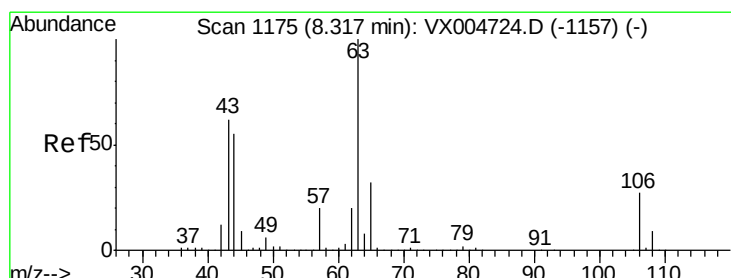
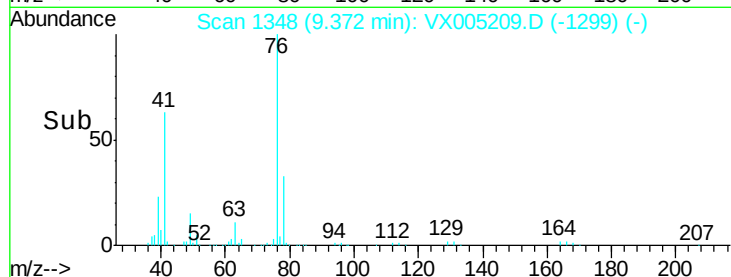
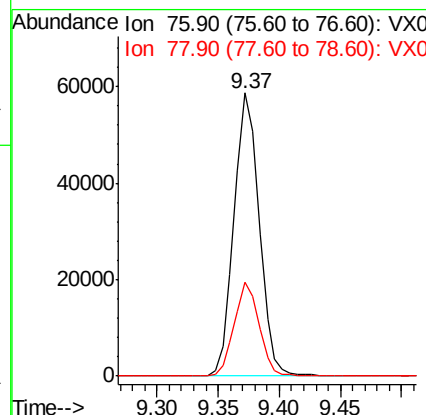
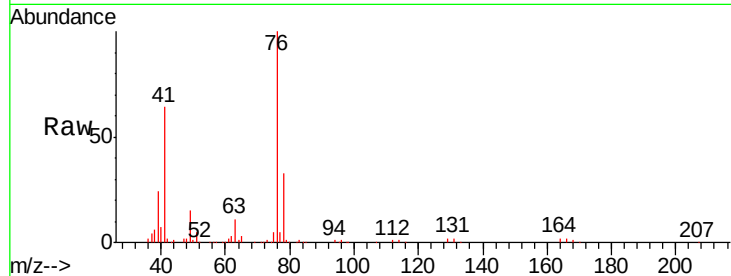
#57
 1,3-Dichloropropane
 Concen: 17.21 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX005209.D
 Acq: 10 Oct 2018 16:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1010WBS01

Tgt Ion: 76 Resp: 83746
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.6 40.0

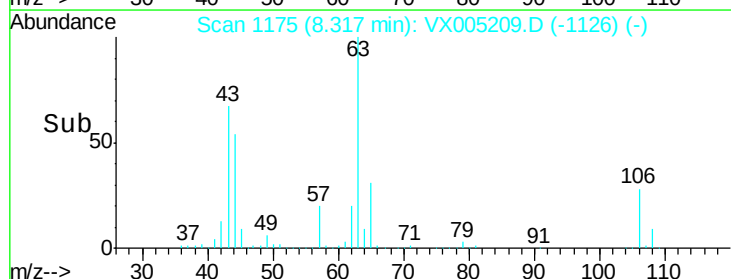
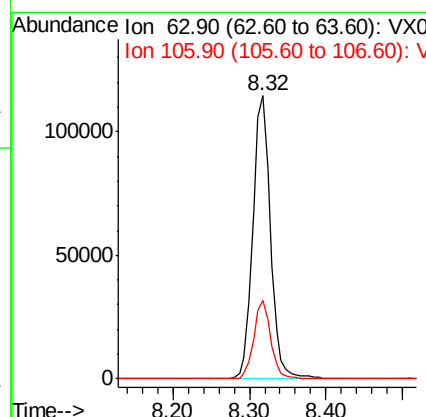
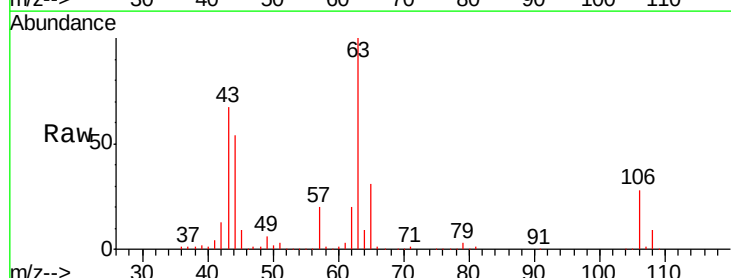
Manual Integrations
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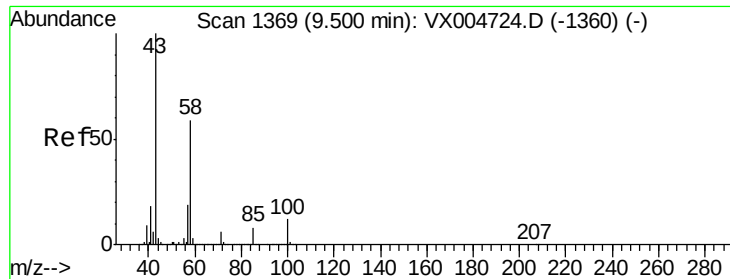
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 10/12/2018 11:44:59 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 83.39 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VX005209.D
 Acq: 10 Oct 2018 16:26

Tgt Ion: 63 Resp: 184707
 Ion Ratio Lower Upper
 63 100
 106 26.8 21.0 31.6





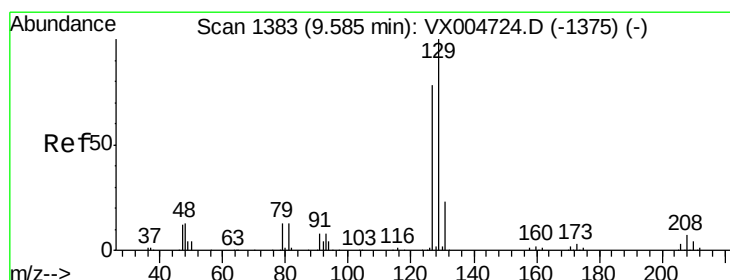
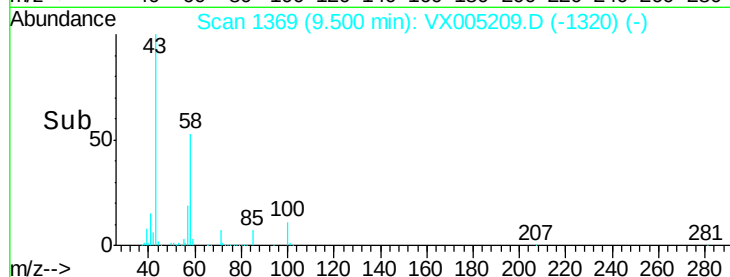
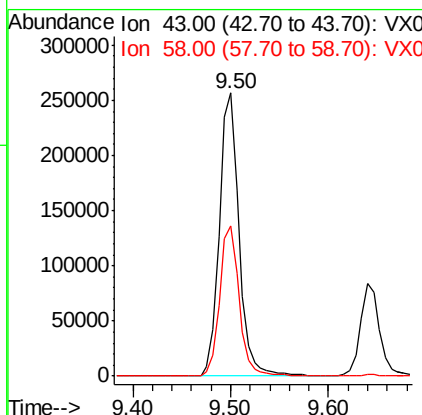
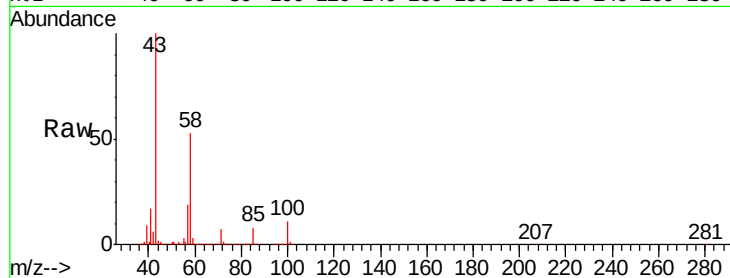
#59
2-Hexanone
Concen: 91.71 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VX005209.D
Acq: 10 Oct 2018 16:26

Instrument :
MSVOA_X
ClientSampleId :
VX1010WBS01

Tgt Ion: 43 Resp: 357654
Ion Ratio Lower Upper
43 100
58 52.8 28.4 85.3

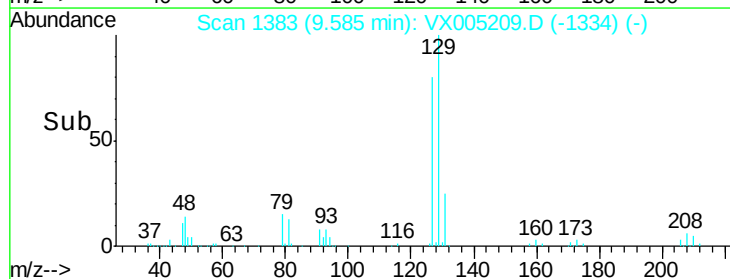
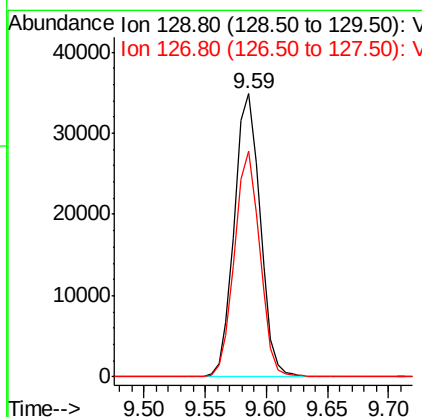
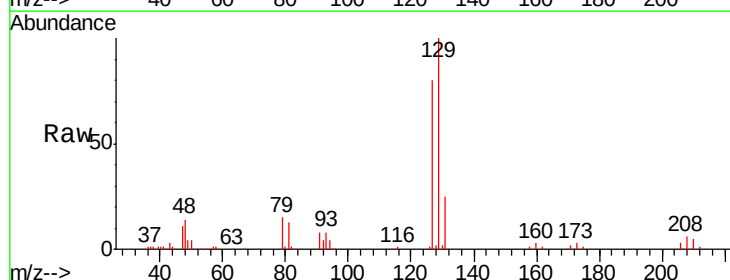
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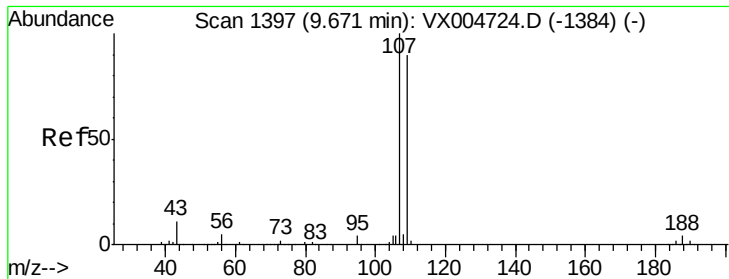
MMDadoda
10/12/2018 11:44:59 AM



#60
Dibromochloromethane
Concen: 17.45 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX005209.D
Acq: 10 Oct 2018 16:26

Tgt Ion: 129 Resp: 51004
Ion Ratio Lower Upper
129 100
127 78.0 39.1 117.2





#61

1,2-Dibromoethane

Concen: 16.77 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

Instrument :

MSVOA_X

ClientSampleId :

VX1010WBS01

Tgt Ion: 107 Resp: 52494

Ion Ratio Lower Upper

107 100

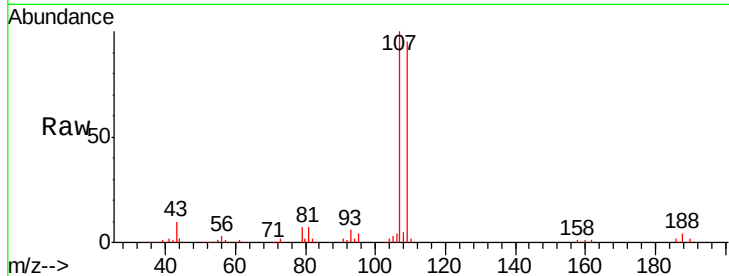
109 94.6 72.1 108.1

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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

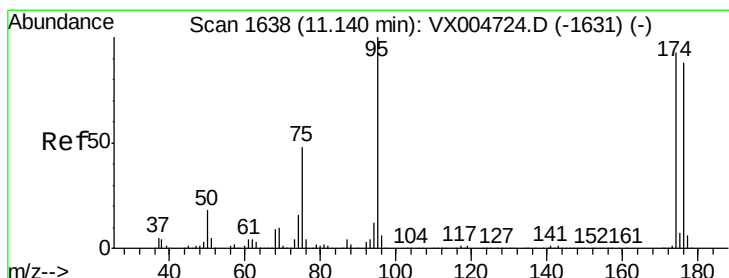
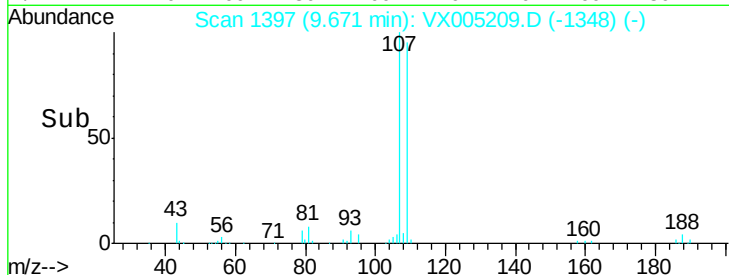
20000

10000

0

9.60 9.70 9.80

Time-->



#62

4-Bromofluorobenzene

Concen: 42.89 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

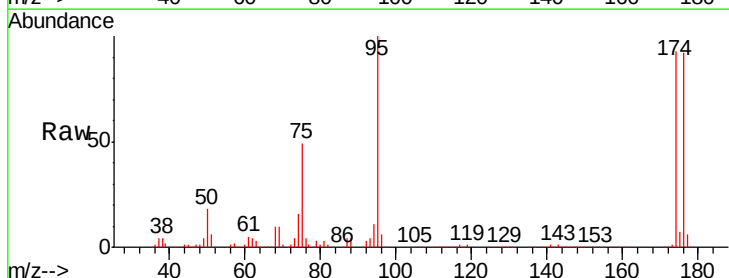
Tgt Ion: 95 Resp: 146060

Ion Ratio Lower Upper

95 100

174 91.0 0.0 185.0

176 88.9 0.0 180.2



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

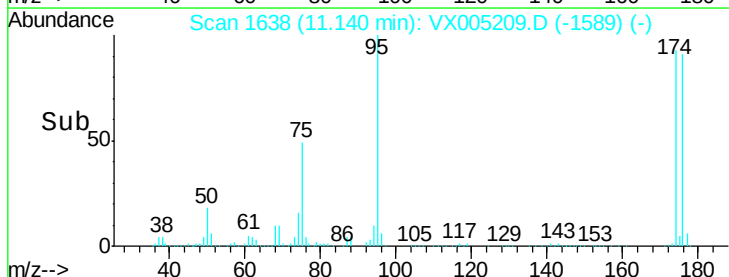
100000

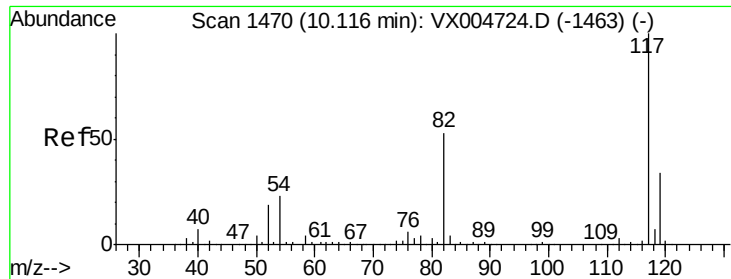
50000

0

11.10 11.20

Time-->





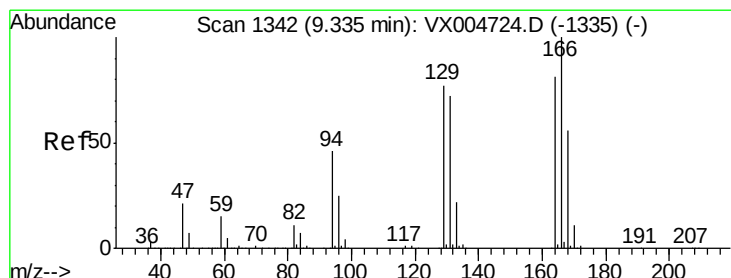
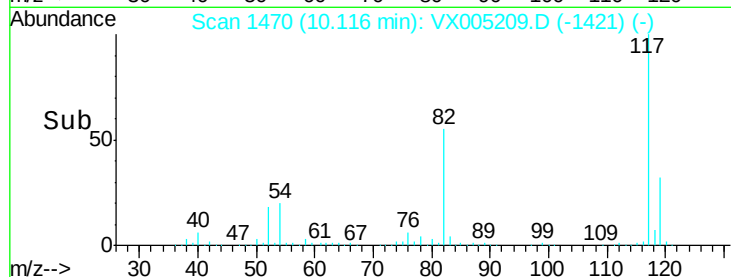
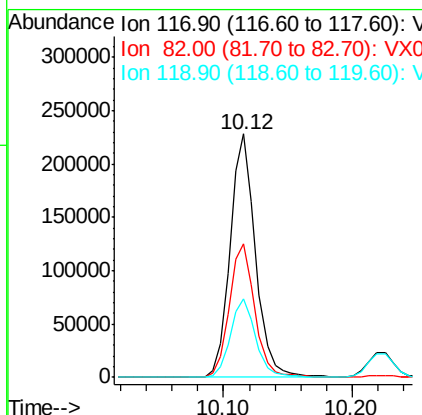
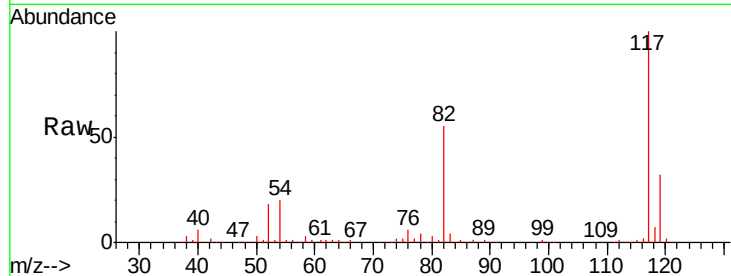
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005209.D
Acq: 10 Oct 2018 16:26

Instrument :
MSVOA_X
ClientSampleId :
VX1010WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	314449		
82	54.6	42.2	63.4	
119	32.5	27.4	41.0	

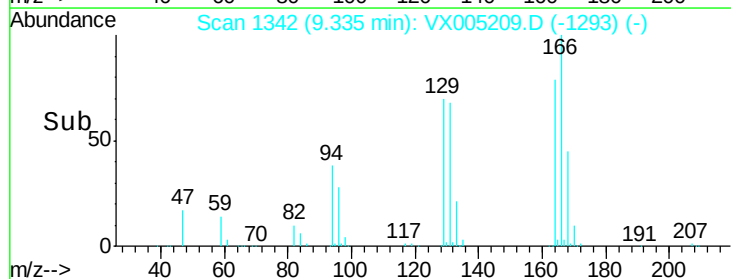
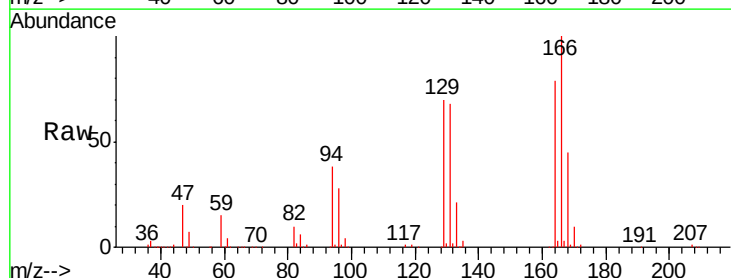
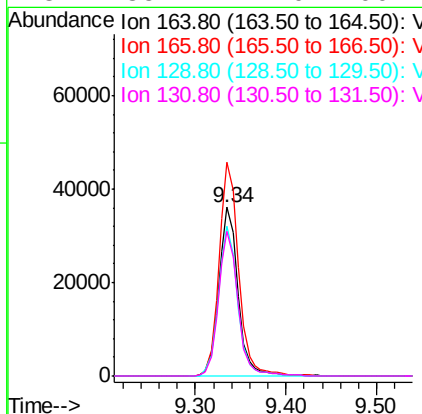
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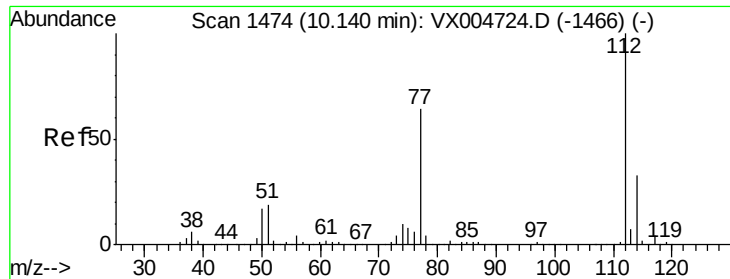
MMDadoda
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#64
Tetrachloroethene
Concen: 17.35 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX005209.D
Acq: 10 Oct 2018 16:26

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	53701		
166	126.5	98.4	147.6	
129	88.6	76.1	114.1	
131	85.7	71.0	106.4	





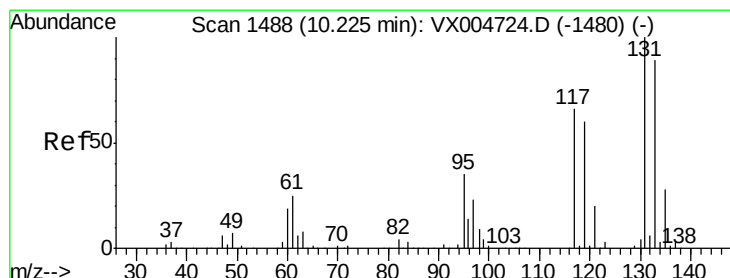
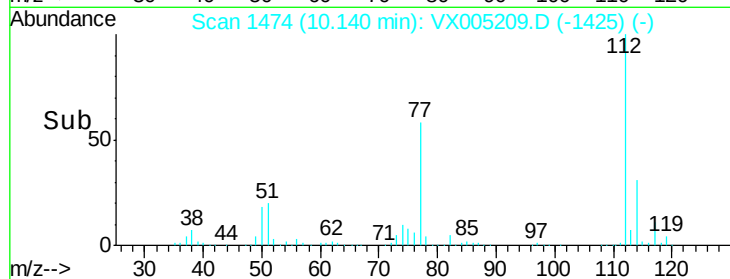
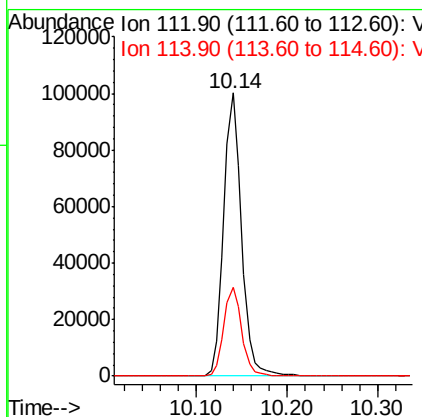
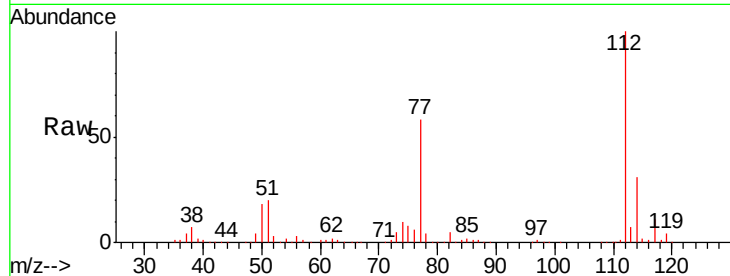
#65
Chlorobenzene
Concen: 17.14 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX005209.D
Acq: 10 Oct 2018 16:26

Instrument :
MSVOA_X
ClientSampleId :
VX1010WBS01

Tgt Ion:112 Resp: 138225
Ion Ratio Lower Upper
112 100
114 31.3 26.7 40.1

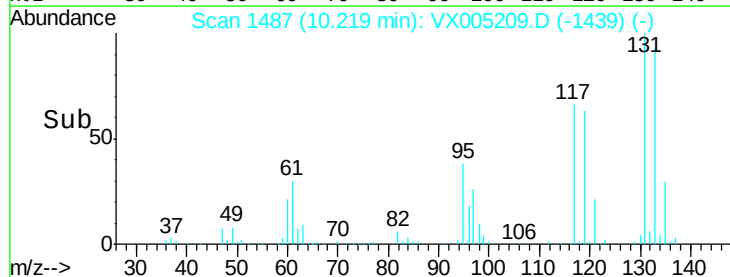
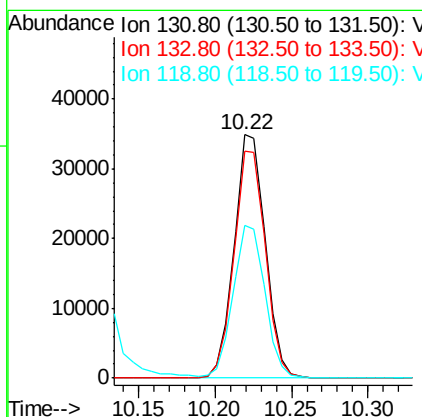
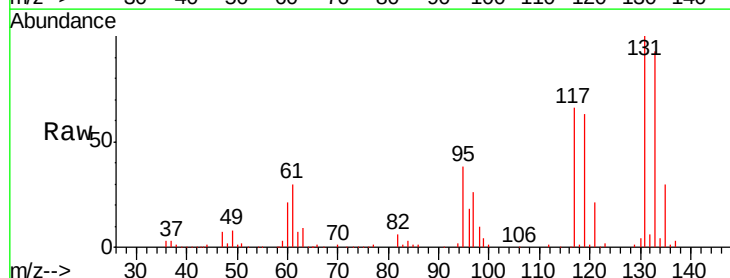
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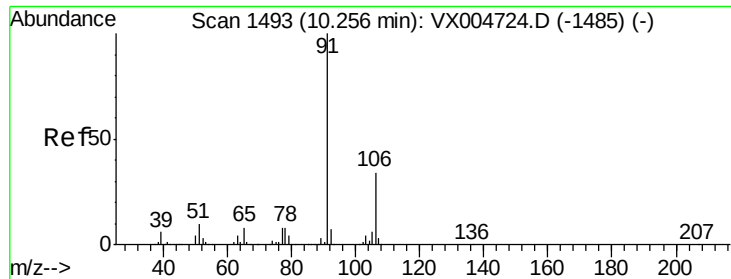
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 17.39 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.01 min
Lab File: VX005209.D
Acq: 10 Oct 2018 16:26

Tgt Ion:131 Resp: 49308
Ion Ratio Lower Upper
131 100
133 93.9 48.4 145.0
119 64.0 32.3 96.8





#67

Ethyl Benzene

Concen: 17.89 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

Instrument :

MSVOA_X

ClientSampleId :

VX1010WBS01

Tgt Ion: 91 Resp: 229011

Ion Ratio Lower Upper

91 100

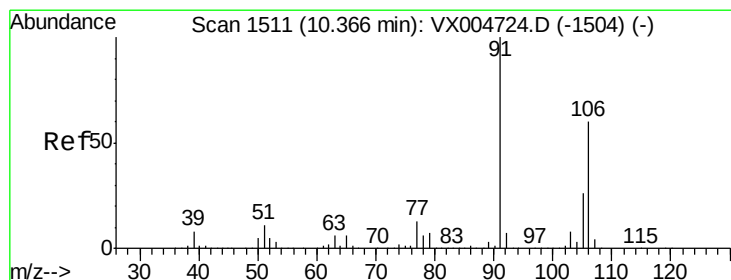
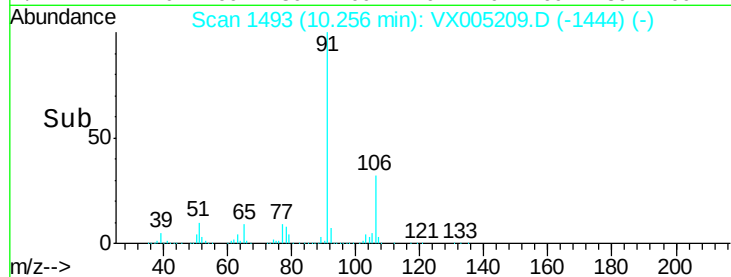
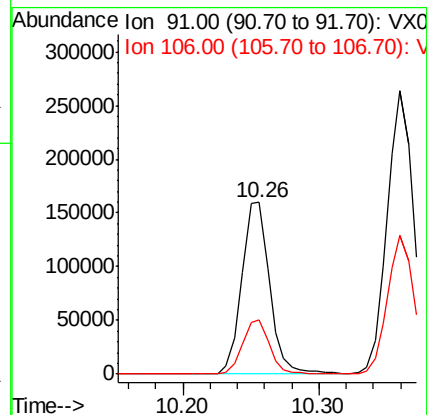
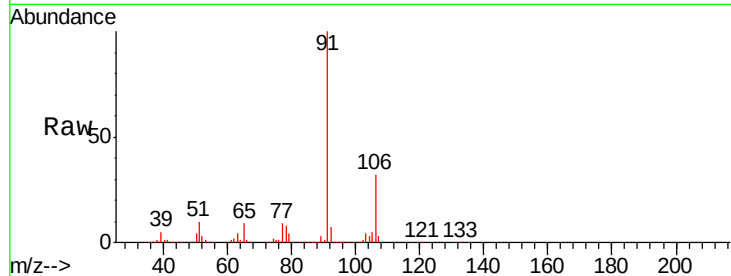
106 31.5 26.9 40.3

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#68

m/p-Xylenes

Concen: 36.35 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VX005209.D

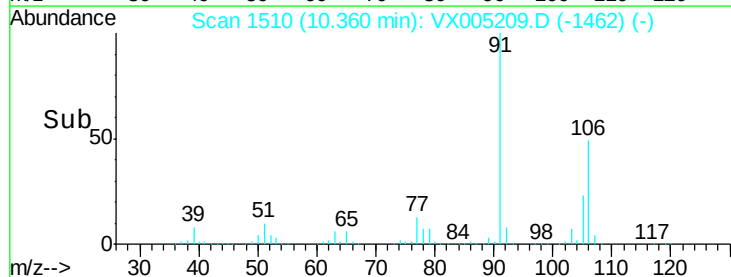
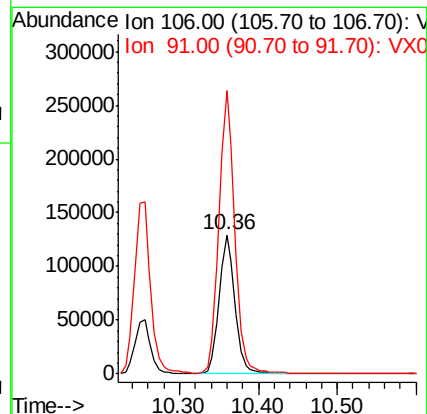
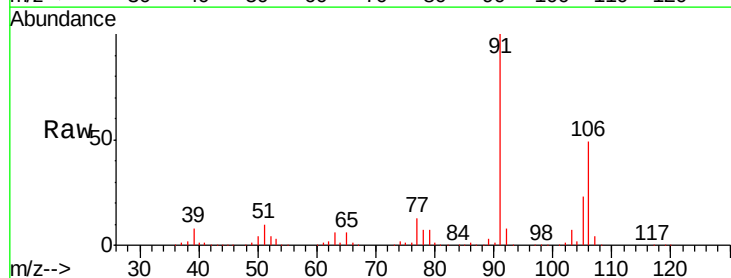
Acq: 10 Oct 2018 16:26

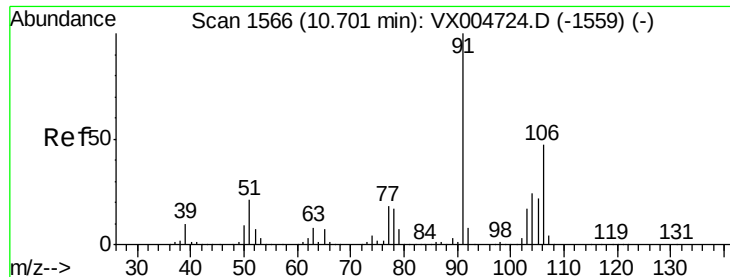
Tgt Ion: 106 Resp: 181862

Ion Ratio Lower Upper

106 100

91 204.2 157.5 236.3





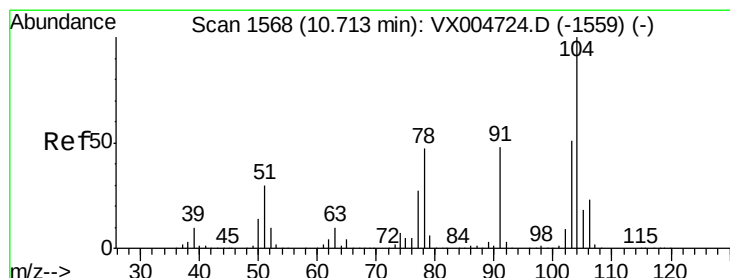
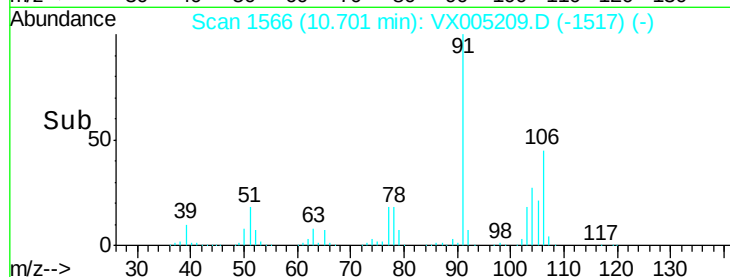
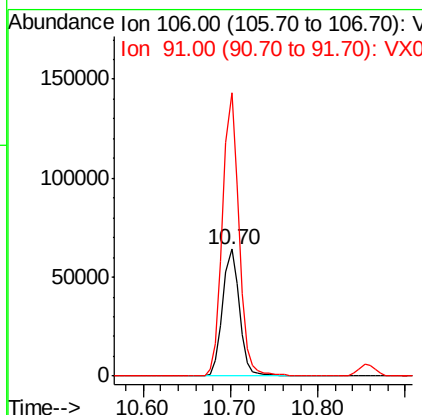
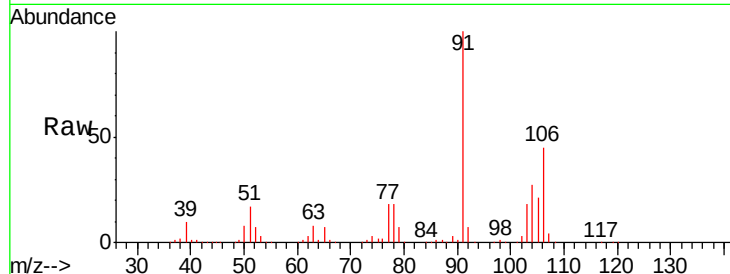
#69
o-Xylene
Concen: 18.65 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX005209.D
Acq: 10 Oct 2018 16:26

Instrument :
MSVOA_X
ClientSampleId :
VX1010WBS01

Tgt Ion:106 Resp: 85694
Ion Ratio Lower Upper
106 100
91 217.3 108.3 324.8

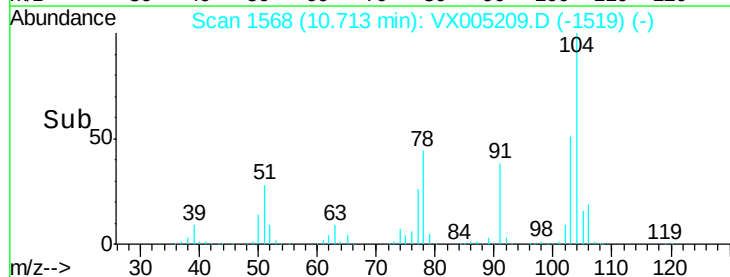
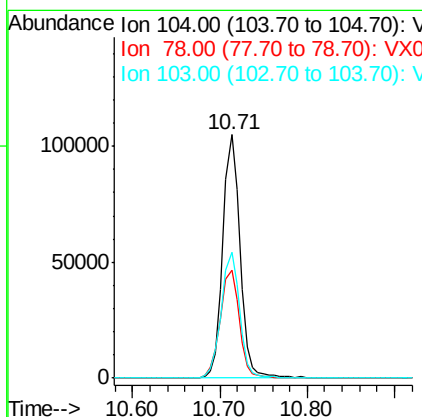
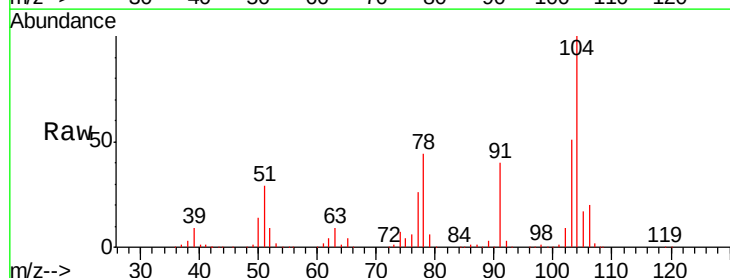
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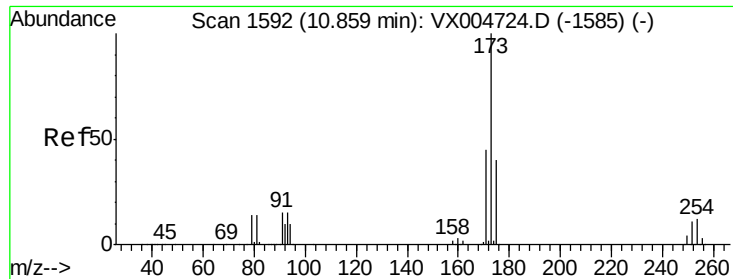
MMDadoda
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#70
Styrene
Concen: 18.12 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX005209.D
Acq: 10 Oct 2018 16:26

Tgt Ion:104 Resp: 143491
Ion Ratio Lower Upper
104 100
78 49.8 40.0 60.0
103 55.6 44.3 66.5





#71

Bromoform

Concen: 16.92 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

Instrument :

MSVOA_X

ClientSampleId :

VX1010WBS01

Tgt Ion:173 Resp: 41067

Ion Ratio Lower Upper

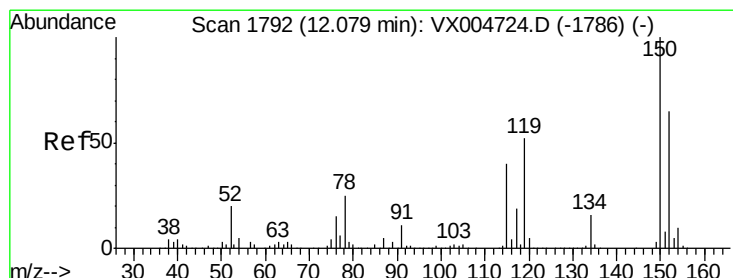
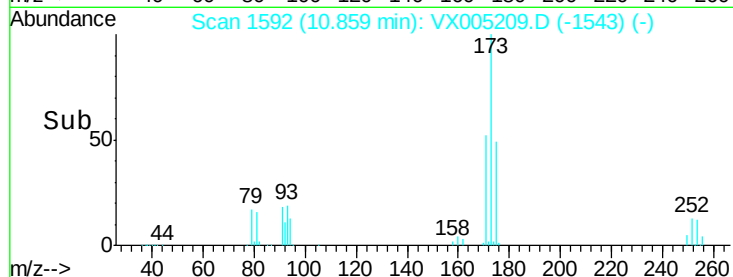
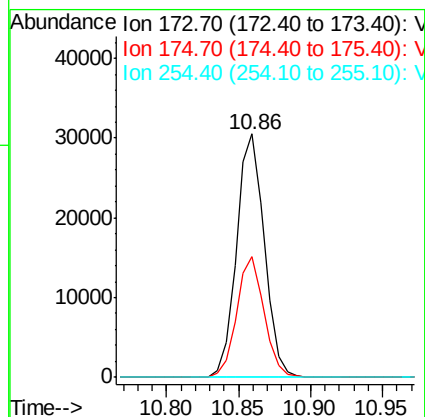
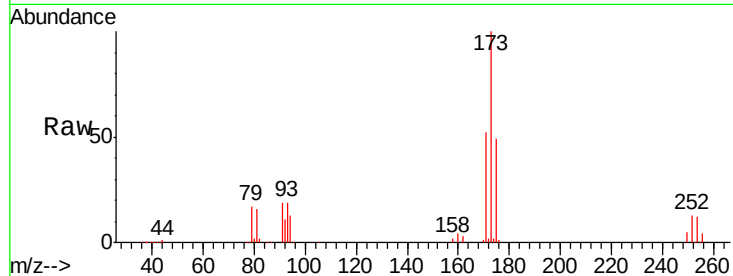
173 100

175 49.1 23.3 69.8

254 0.1 0.2 0.2#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

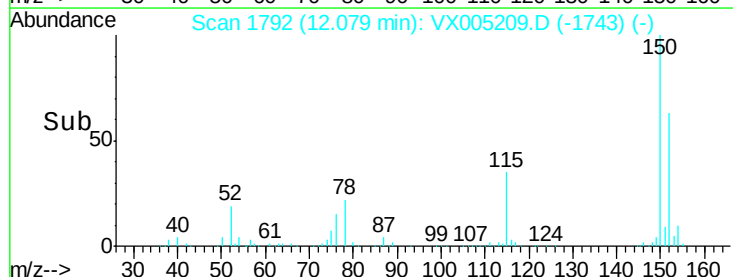
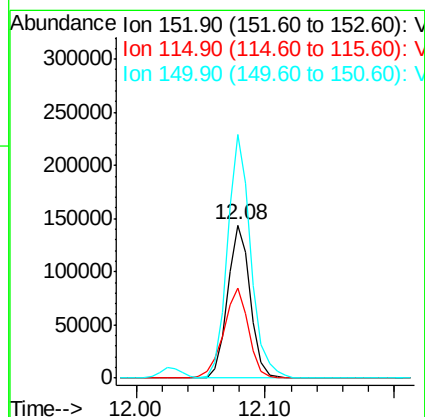
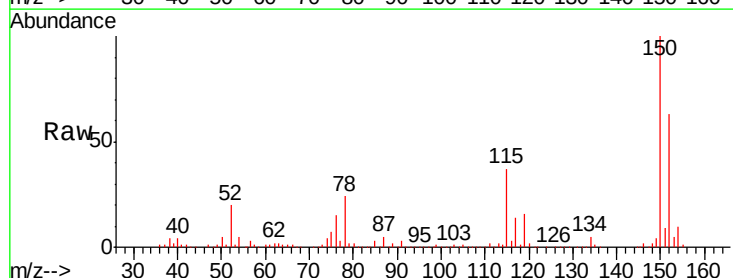
Tgt Ion:152 Resp: 177494

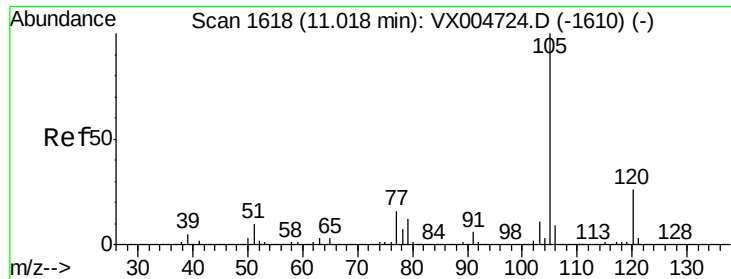
Ion Ratio Lower Upper

152 100

115 64.9 40.2 120.6

150 163.8 0.0 351.0





#73

Isopropylbenzene

Concen: 21.08 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

Instrument :

MSVOA_X

ClientSampleId :

VX1010WBS01

Tgt Ion: 105 Resp: 235857

Ion Ratio Lower Upper

105 100

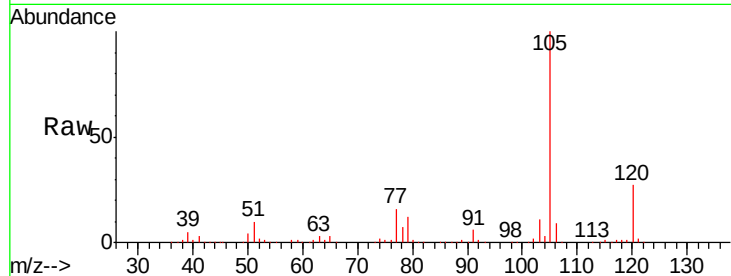
120 26.5 13.2 39.5

Manual Integrations

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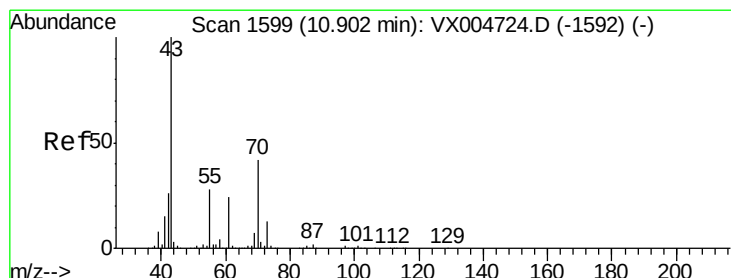
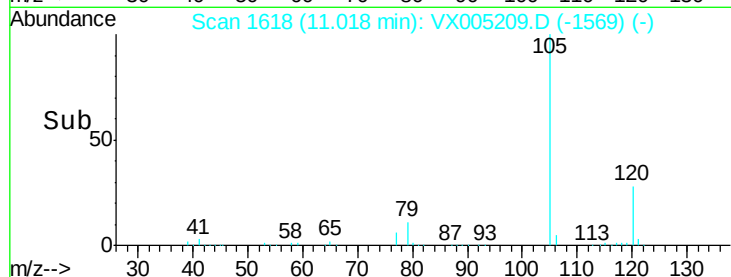
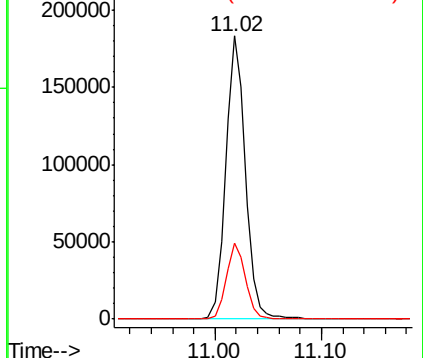
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.58 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

Tgt Ion: 43 Resp: 107282

Ion Ratio Lower Upper

43 100

70 39.4 32.6 48.8

55 25.8 21.6 32.4

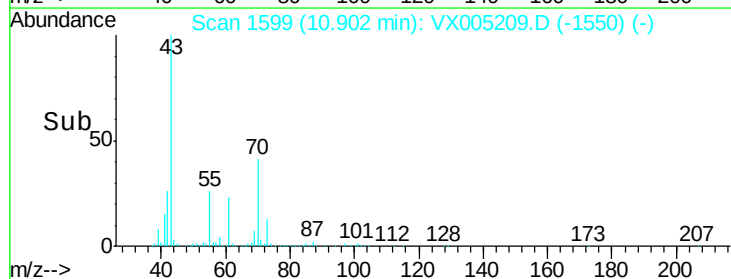
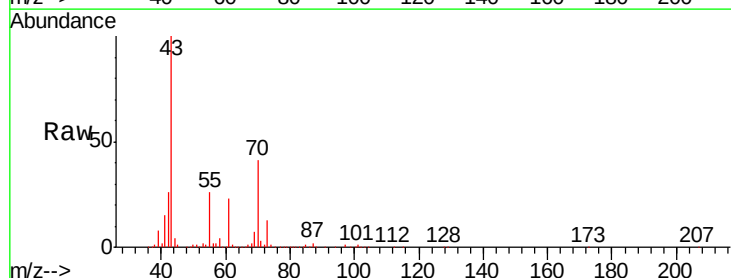
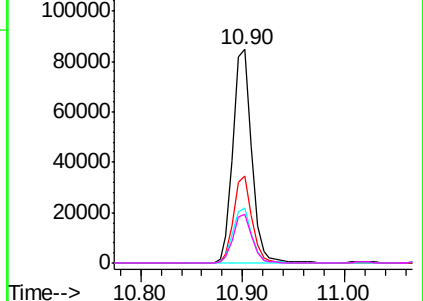
61 23.2 19.1 28.7

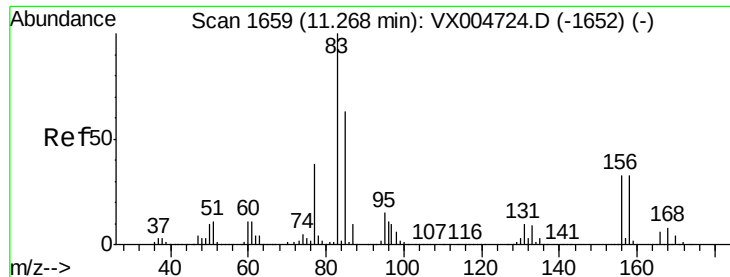
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.35 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

Instrument :

MSVOA_X

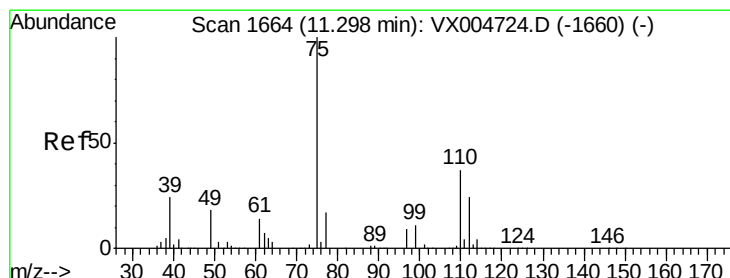
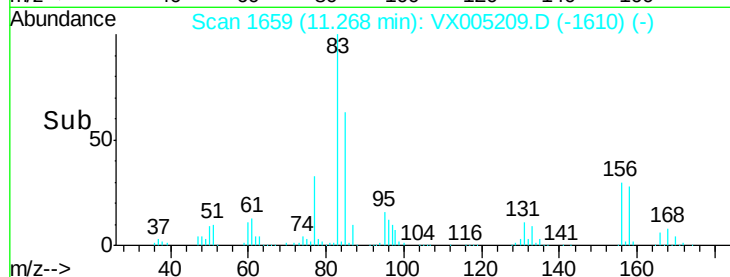
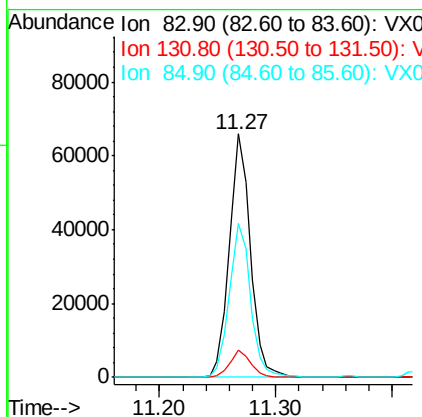
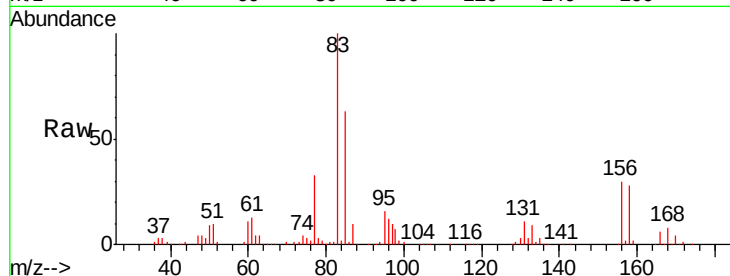
ClientSampleId :

VX1010WBS01

Tgt Ion:	83	Resp:	83570
Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.1	15.3
85	63.9	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.84 ug/l m

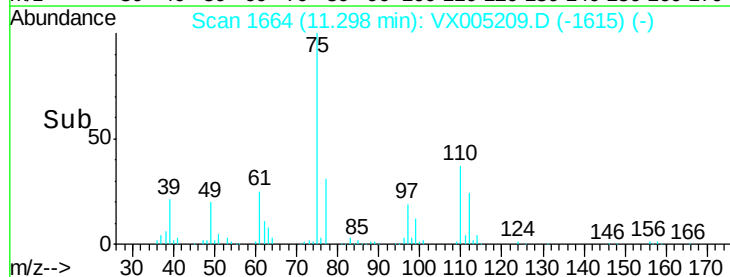
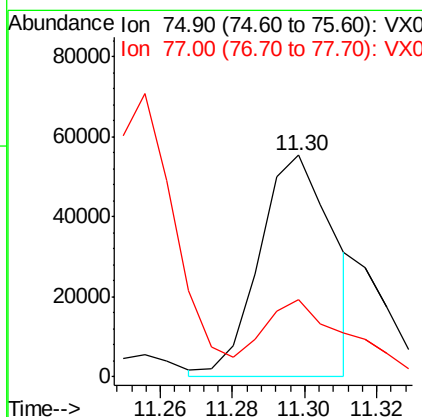
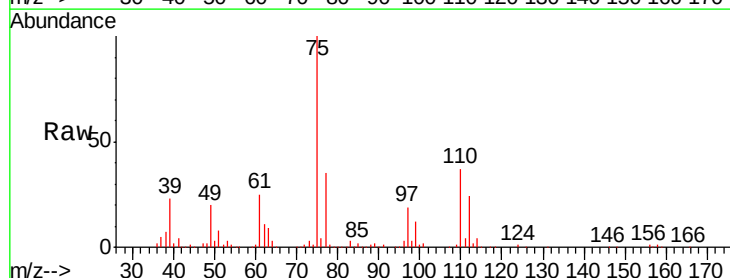
RT: 11.30 min Scan# 1664

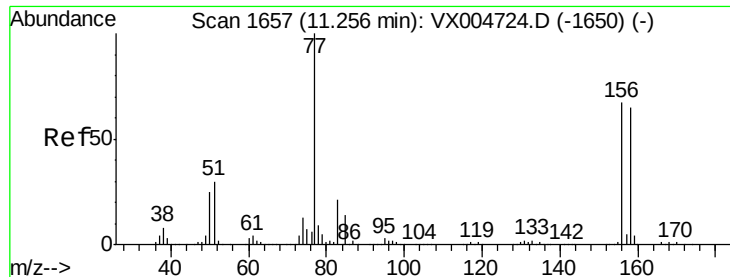
Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

Tgt Ion:	75	Resp:	78928
Ion	Ratio	Lower	Upper
75	100		
77	40.0	21.4	64.3





#77

Bromobenzene

Concen: 19.61 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

Instrument :

MSVOA_X

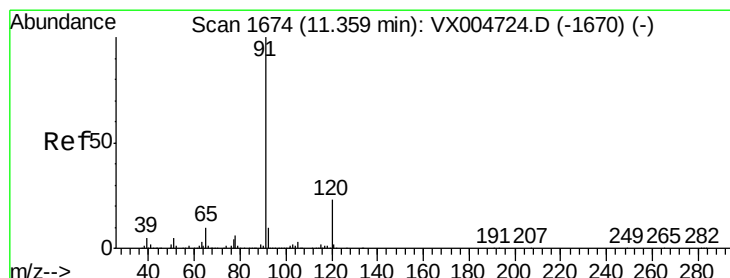
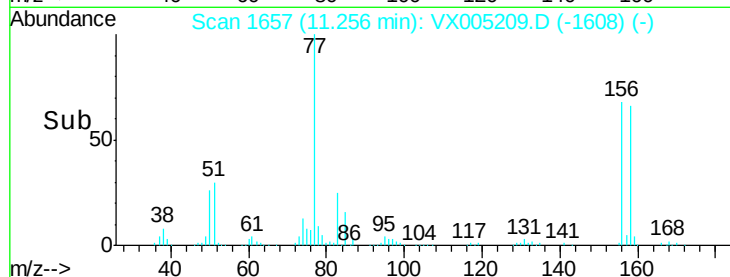
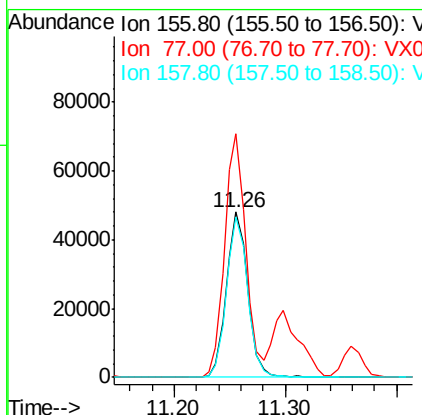
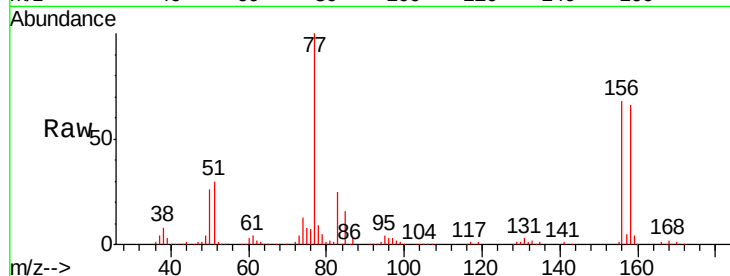
ClientSampleId :

VX1010WBS01

Tgt Ion:	156	Resp:	63721
Ion Ratio	Lower	Upper	
156	100		
77	146.6	73.4	220.2
158	96.3	49.1	147.4

Manual Integrations
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#78

n-propylbenzene

Concen: 21.14 ug/l

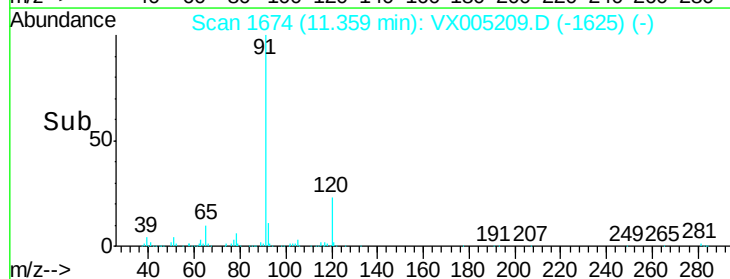
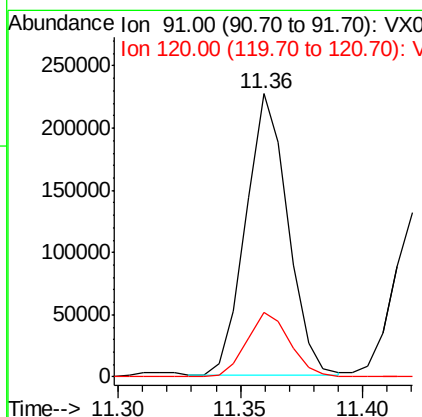
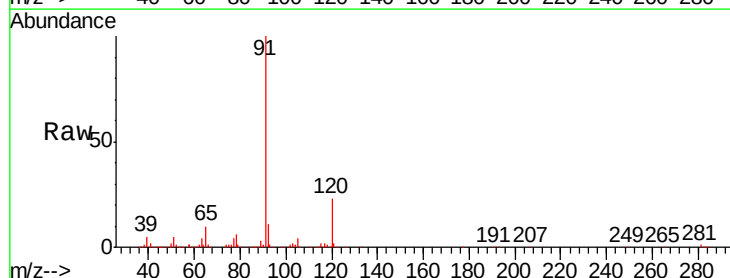
RT: 11.36 min Scan# 1674

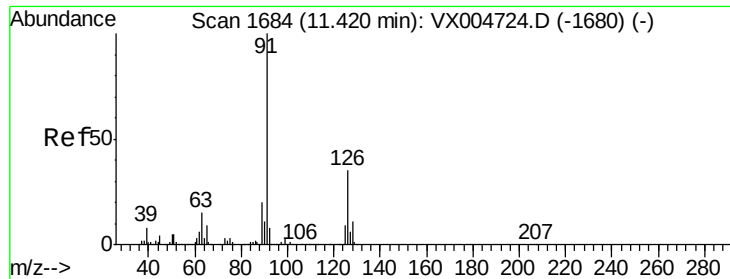
Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

Tgt Ion:	91	Resp:	271325
Ion Ratio	Lower	Upper	
91	100		
120	23.7	12.0	36.0





#79

2-Chlorotoluene

Concen: 20.40 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

Instrument :

MSVOA_X

ClientSampleId :

VX1010WBS01

Tgt Ion: 91 Resp: 163253

Ion Ratio Lower Upper

91 100

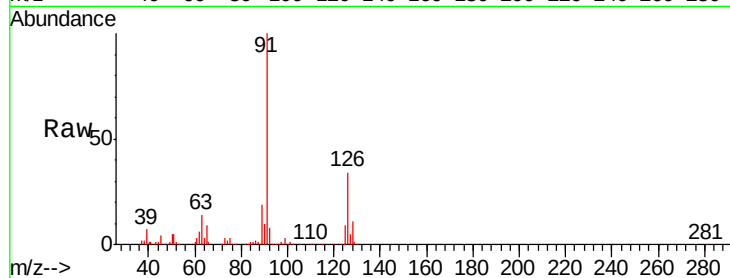
126 34.8 17.6 52.9

Manual Integrations

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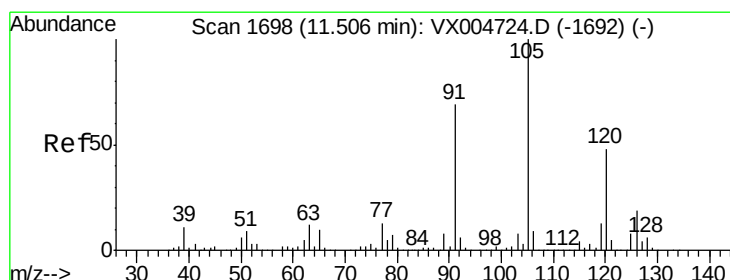
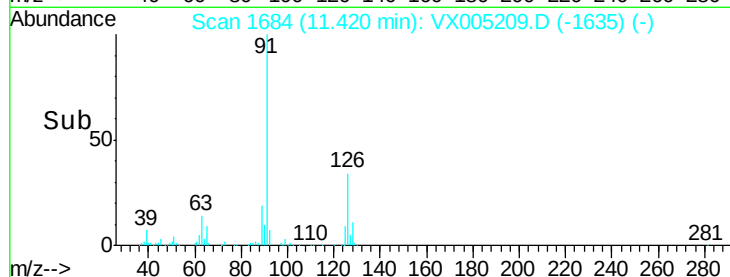
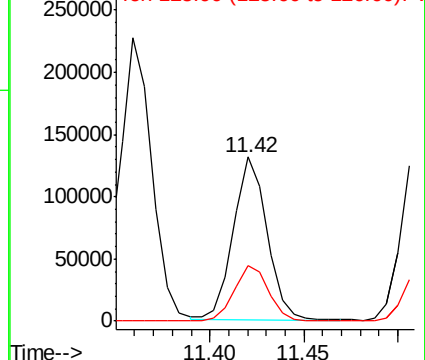
MMDadoda

10/12/2018 11:44:59 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.59 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX005209.D

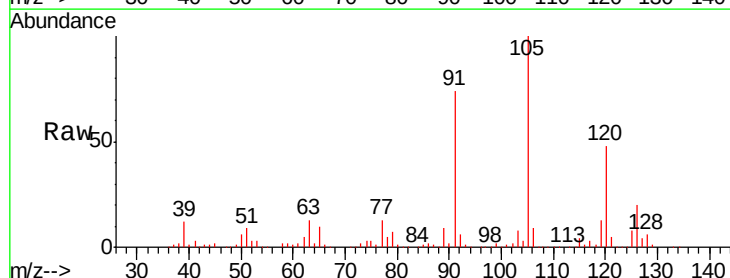
Acq: 10 Oct 2018 16:26

Tgt Ion: 105 Resp: 202147

Ion Ratio Lower Upper

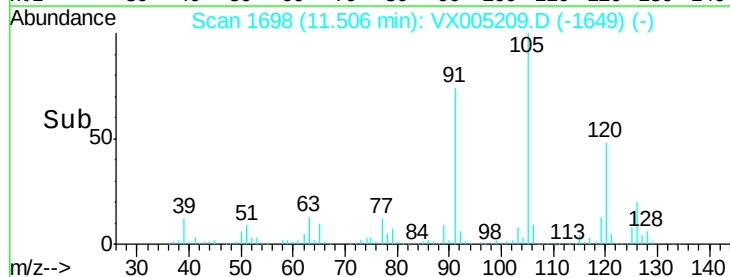
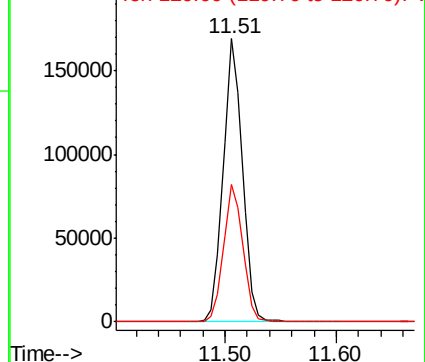
105 100

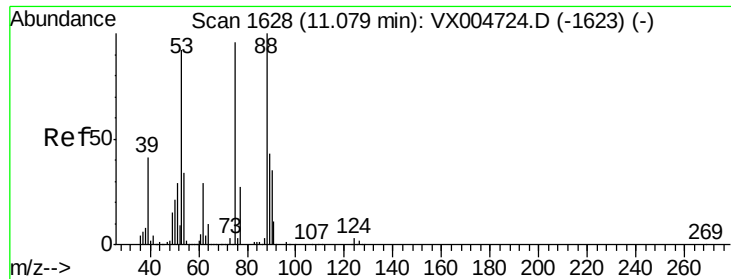
120 48.7 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





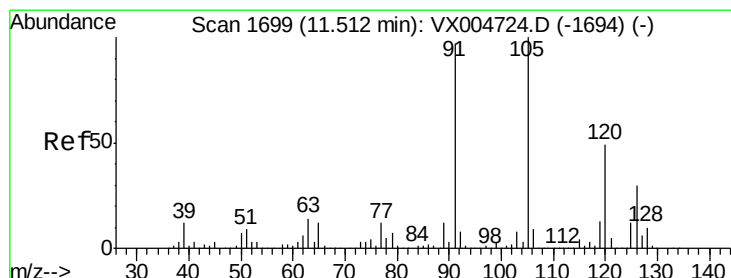
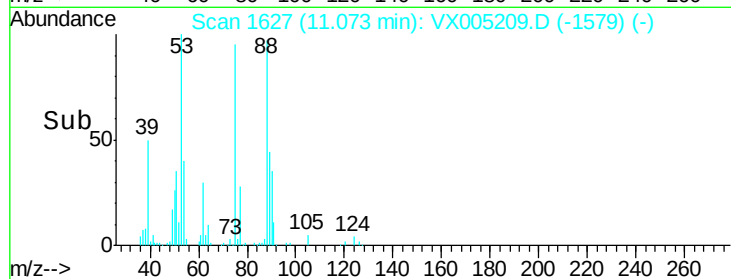
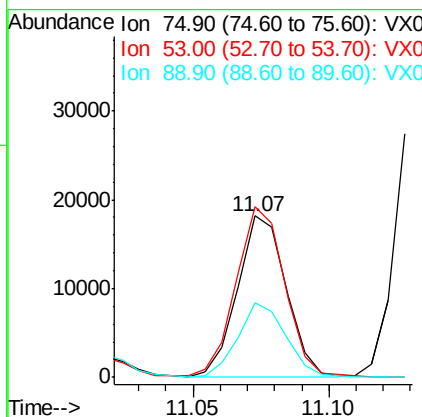
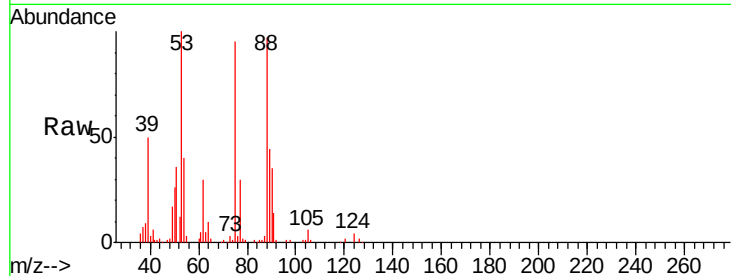
#81
trans-1,4-Dichloro-2-butene
Concen: 16.67 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.01 min
Lab File: VX005209.D
Acq: 10 Oct 2018 16:26

Instrument :
MSVOA_X
ClientSampleId :
VX1010WBS01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	106.9	80.2	120.4
89	46.7	37.1	55.7

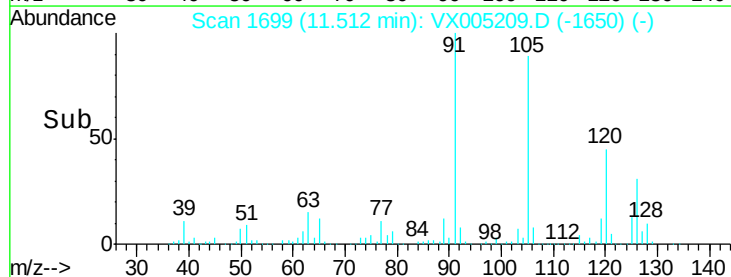
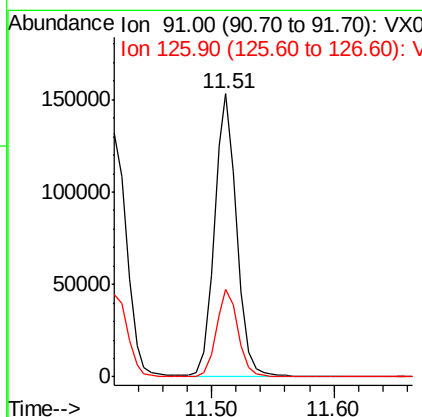
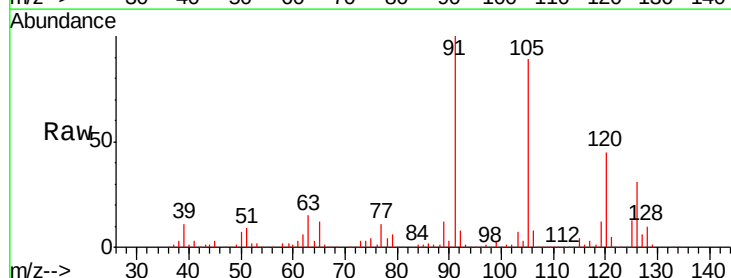
Manual Integrations
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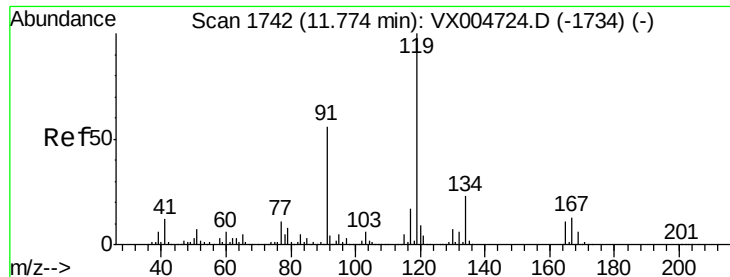
MMDadoda
10/12/2018 11:44:59 AM



#82
4-Chlorotoluene
Concen: 20.52 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX005209.D
Acq: 10 Oct 2018 16:26

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.6	15.5	46.5





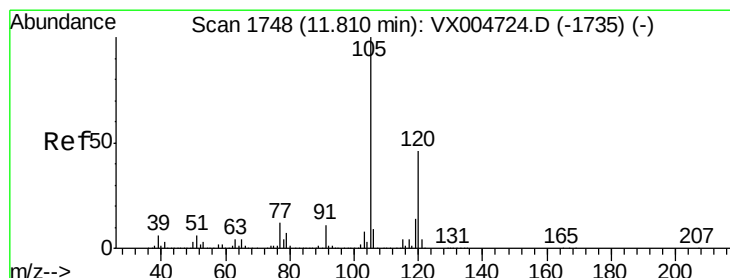
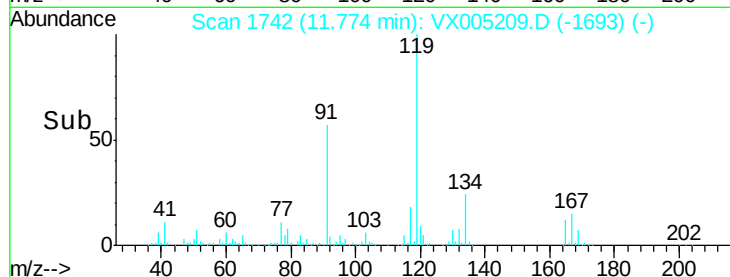
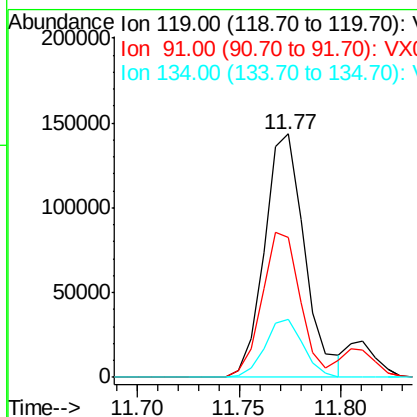
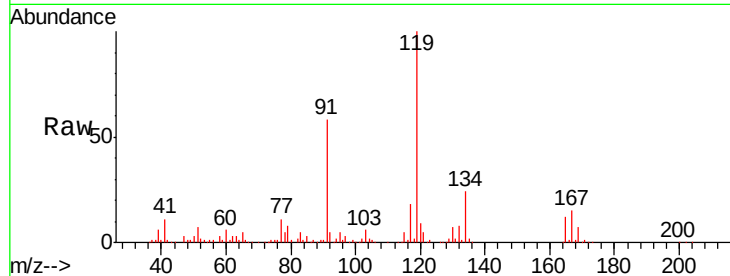
#83
 tert-Butylbenzene
 Concen: 21.42 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX005209.D
 Acq: 10 Oct 2018 16:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1010WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	197290		
91	56.6	27.5	82.5	
134	22.7	11.5	34.4	

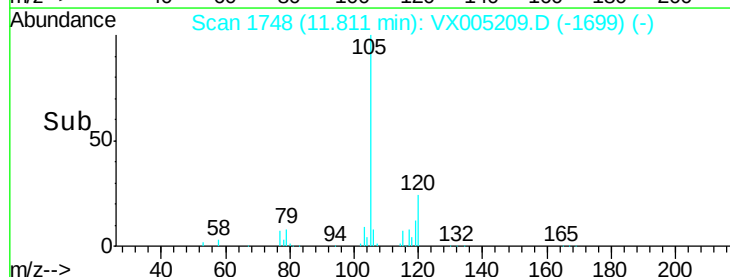
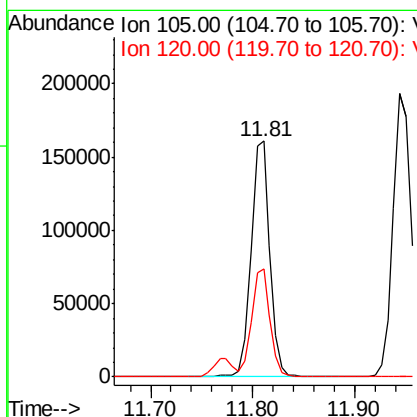
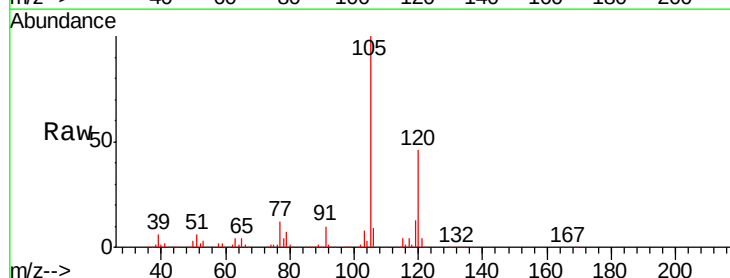
Manual Integrations
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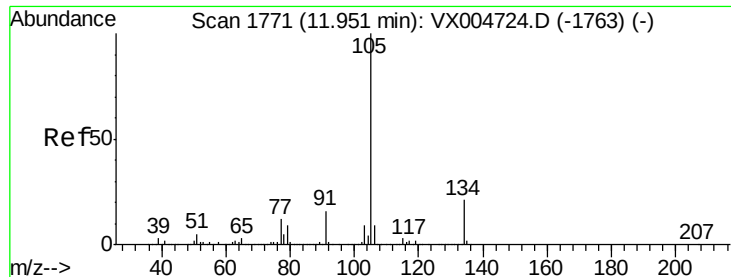
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.45 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX005209.D
 Acq: 10 Oct 2018 16:26

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	206989		
120	44.9	22.8	68.3	





#85

sec-Butylbenzene

Concen: 21.56 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

Instrument :

MSVOA_X

ClientSampleId :

VX1010WBS01

Tgt Ion:105 Resp: 241916

Ion Ratio Lower Upper

105 100

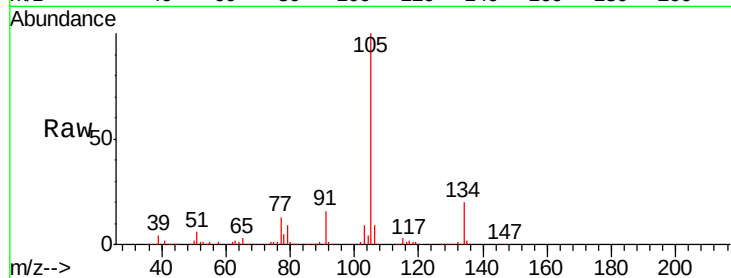
134 20.4 10.2 30.4

Manual Integrations

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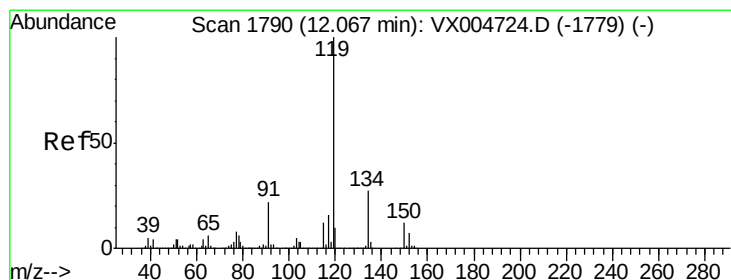
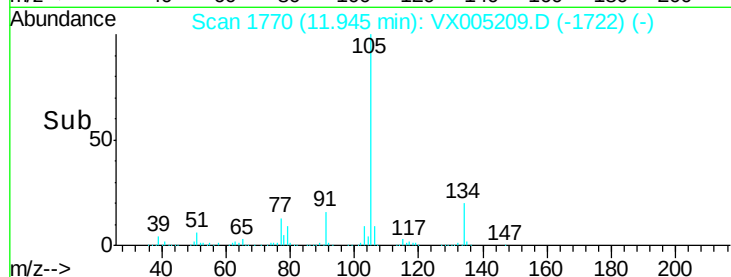
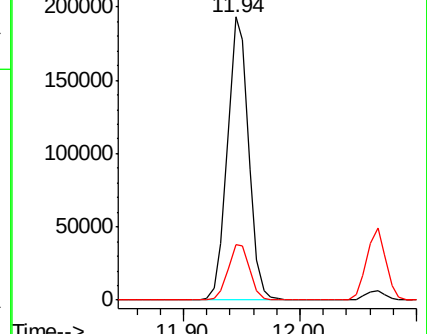
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.42 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

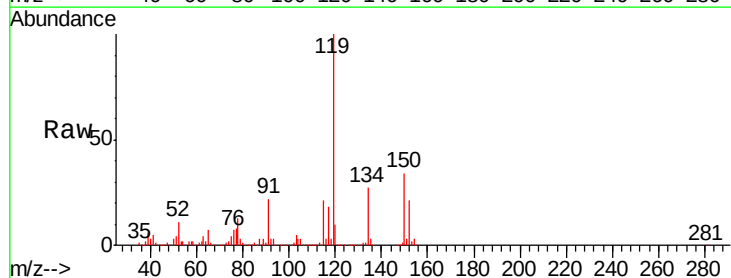
Tgt Ion:119 Resp: 217739

Ion Ratio Lower Upper

119 100

134 26.0 13.4 40.1

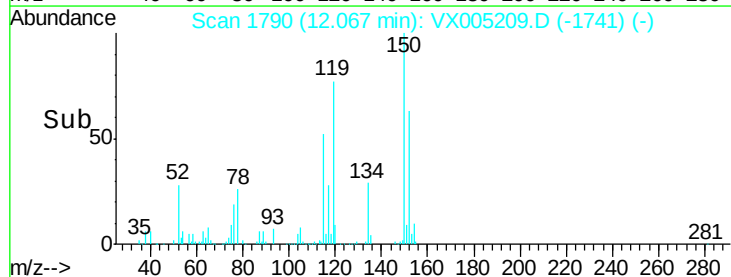
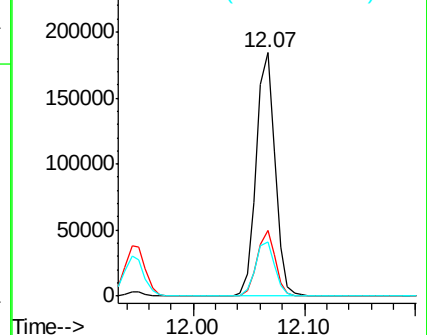
91 23.2 11.5 34.4

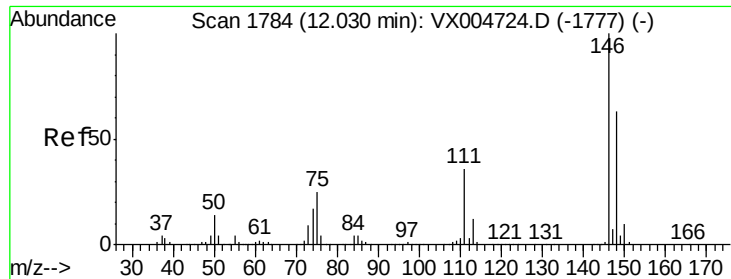


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





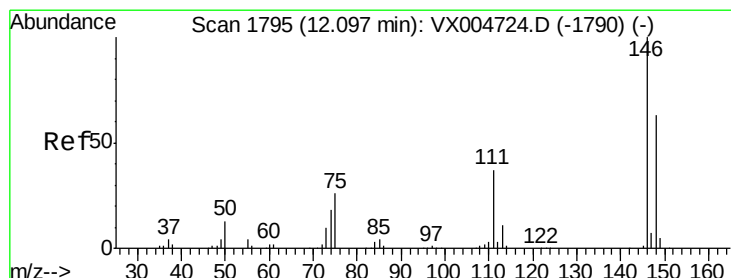
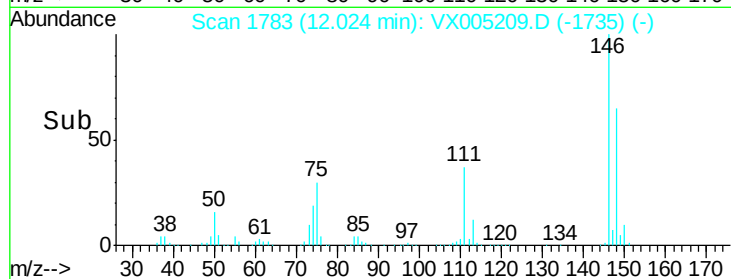
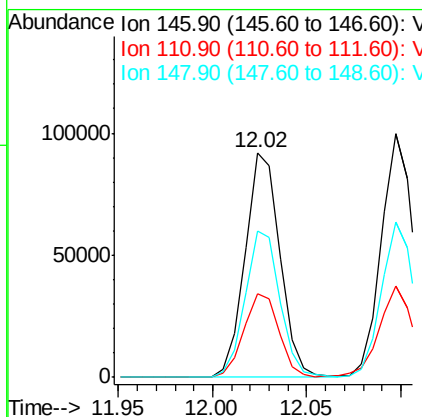
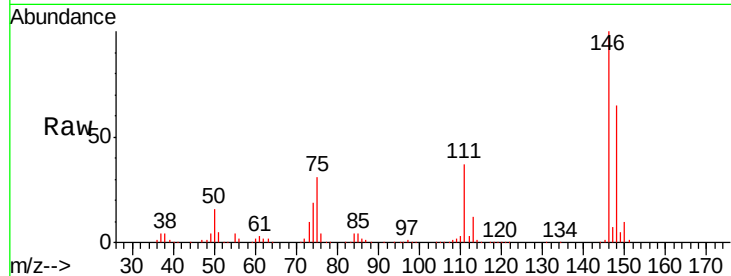
#87
 1,3-Dichlorobenzene
 Concen: 19.48 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: VX005209.D
 Acq: 10 Oct 2018 16:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1010WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	118190		
111	37.5	18.9	56.9	
148	65.0	31.8	95.3	

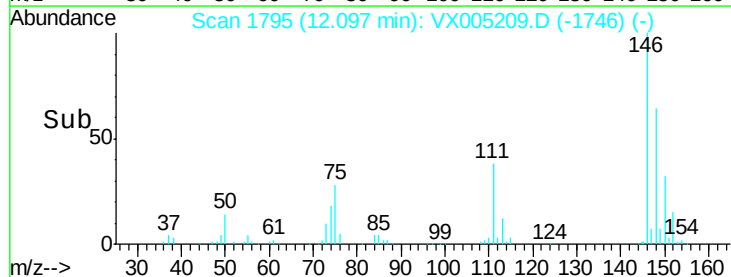
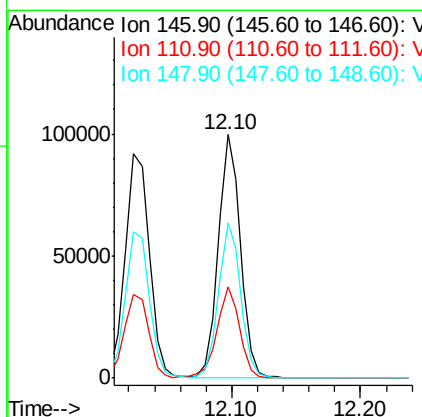
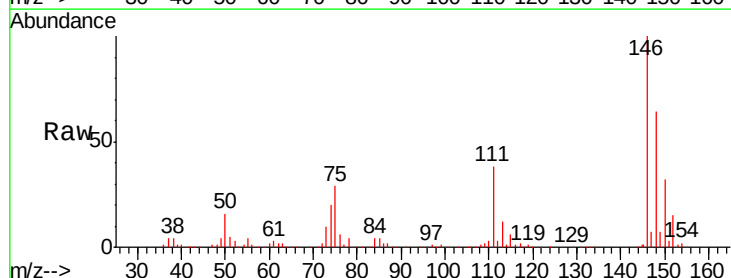
Manual Integrations
 APPROVED

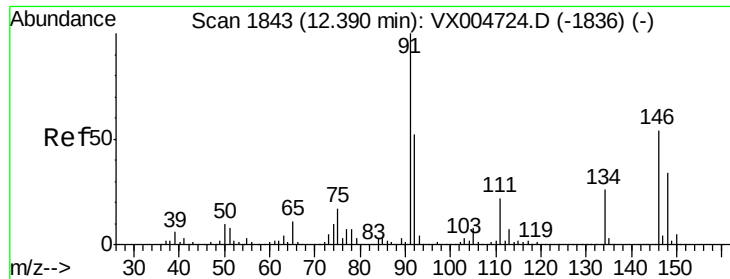
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#88
 1,4-Dichlorobenzene
 Concen: 19.47 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX005209.D
 Acq: 10 Oct 2018 16:26

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	121928		
111	38.2	18.4	55.2	
148	64.1	32.0	96.0	





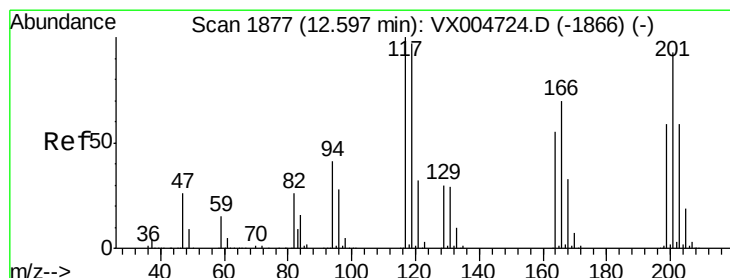
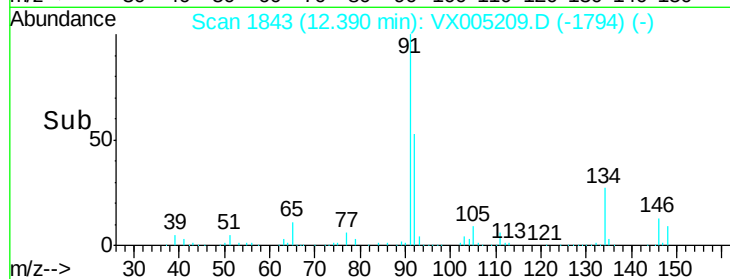
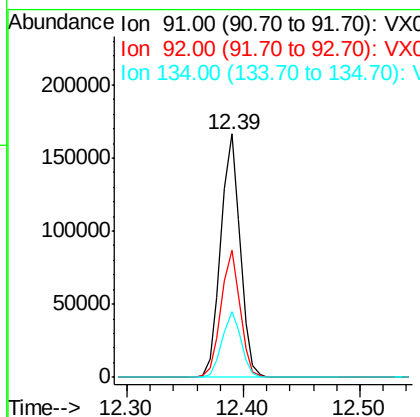
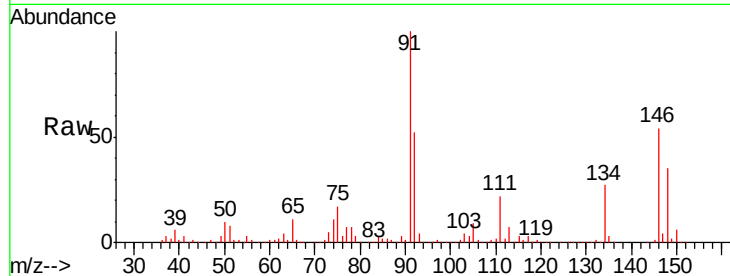
#89
n-Butylbenzene
Concen: 20.63 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX005209.D
Acq: 10 Oct 2018 16:26

Instrument :
MSVOA_X
ClientSampleId :
VX1010WBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.0	78.0
134	26.5	13.2	39.6

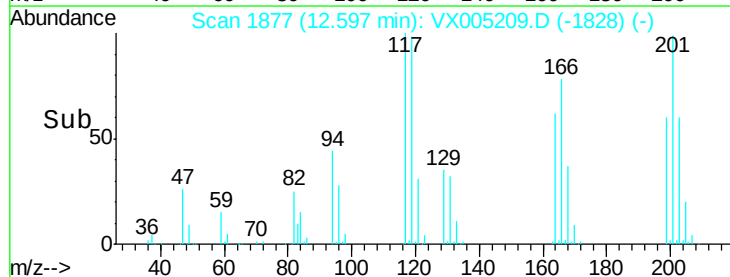
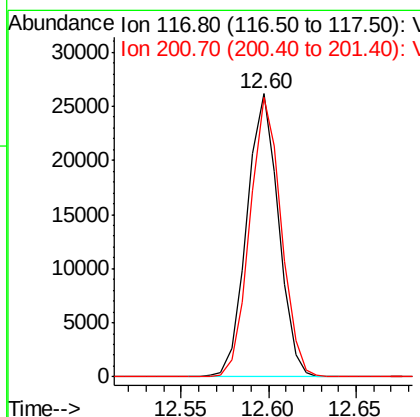
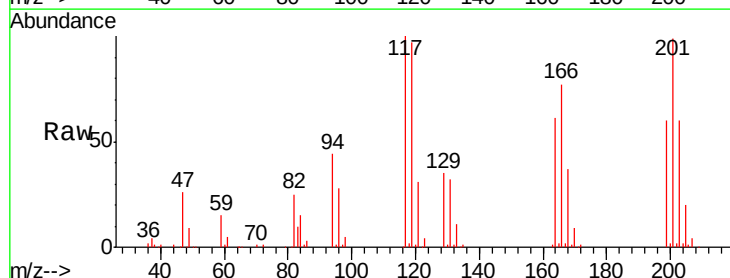
Manual Integrations
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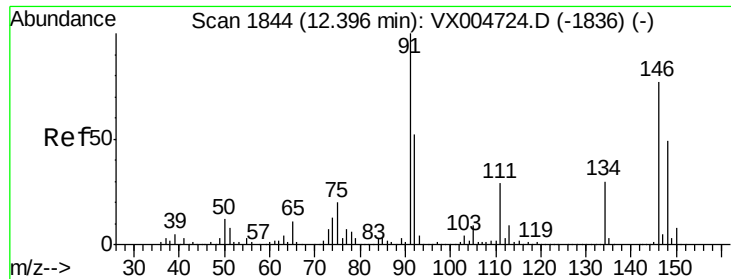
MMDadoda
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#90
Hexachloroethane
Concen: 19.44 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX005209.D
Acq: 10 Oct 2018 16:26

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.7	48.4	145.0





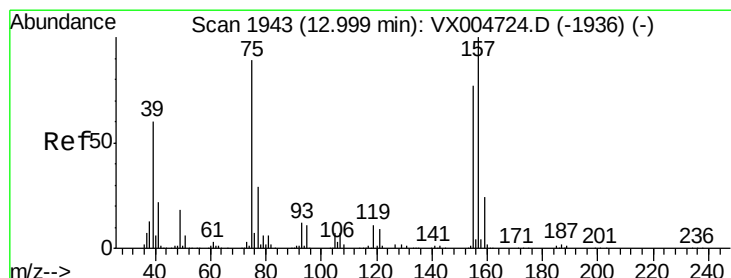
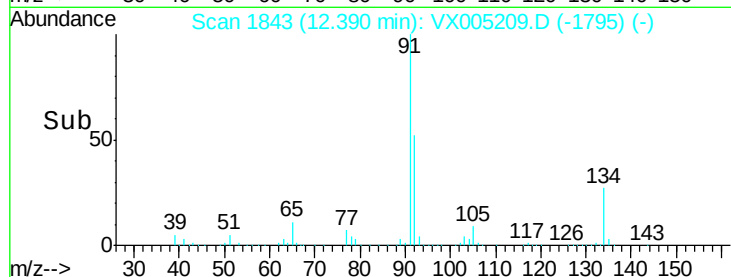
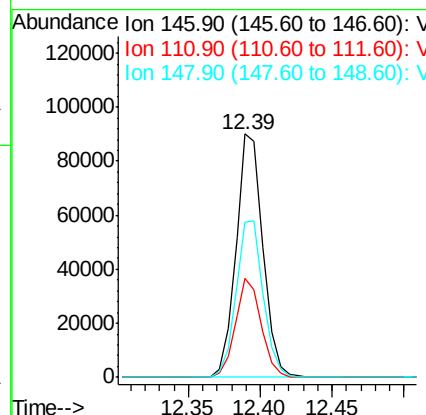
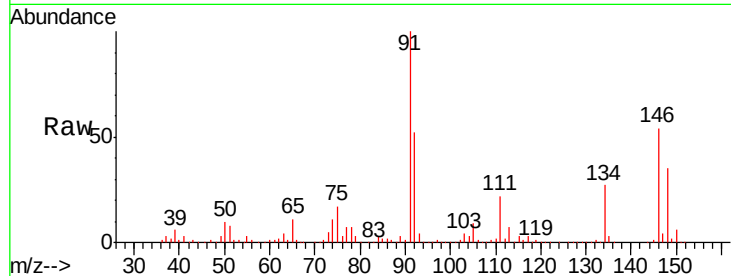
#91
1,2-Dichlorobenzene
Concen: 18.61 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.01 min
Lab File: VX005209.D
Acq: 10 Oct 2018 16:26

Instrument :
MSVOA_X
ClientSampleId :
VX1010WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.6	58.7
148	64.9	31.8	95.4

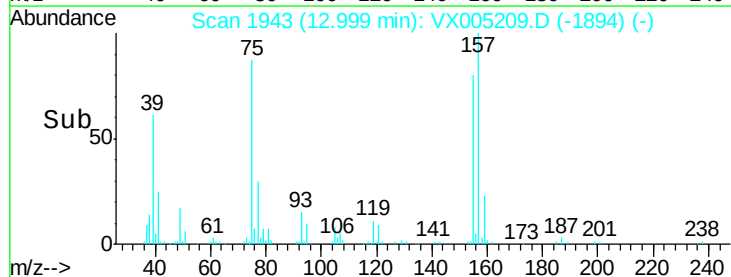
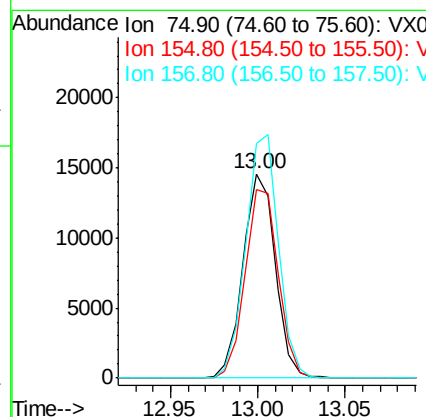
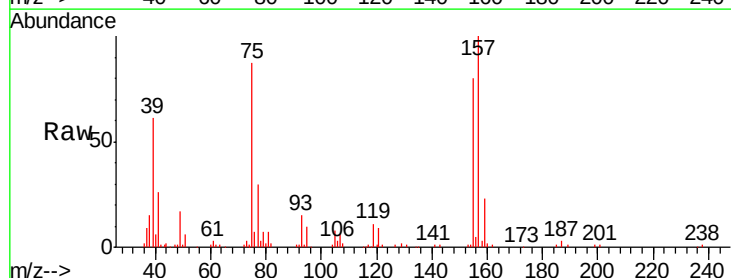
Manual Integrations
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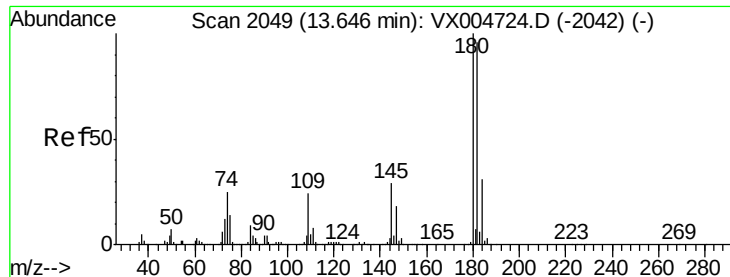
MMDadoda
10/12/2018 11:44:59 AM



#92
1,2-Dibromo-3-Chloropropane
Concen: 18.77 ug/l
RT: 13.00 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VX005209.D
Acq: 10 Oct 2018 16:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.5	46.1	138.3
157	120.4	60.2	180.6





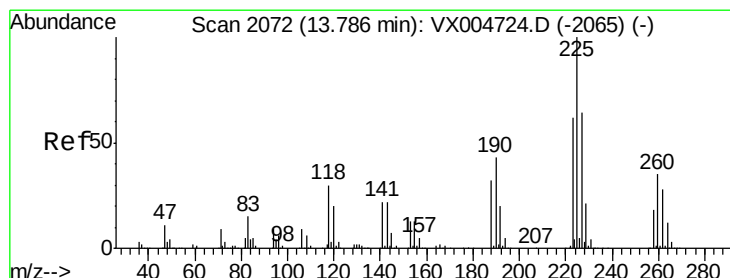
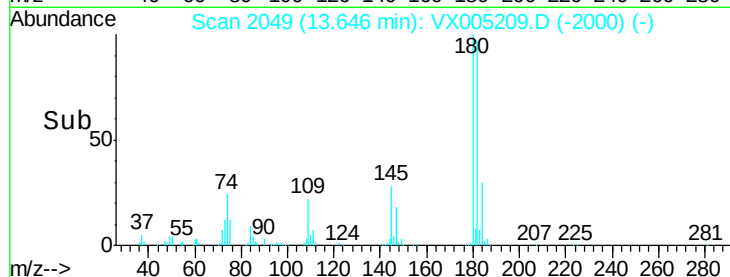
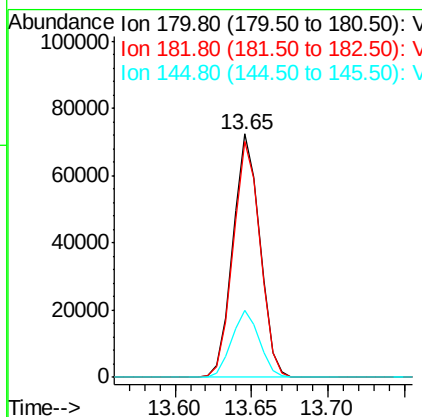
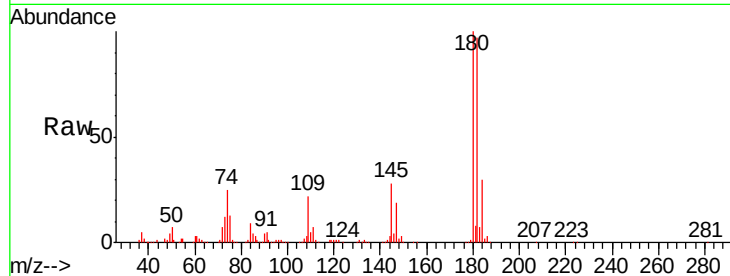
#93
1,2,4-Trichlorobenzene
Concen: 19.84 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. 0.00 min
Lab File: VX005209.D
Acq: 10 Oct 2018 16:26

Instrument :
MSVOA_X
ClientSampleId :
VX1010WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	88253		
182	96.8	47.8	143.4	
145	28.2	14.1	42.4	

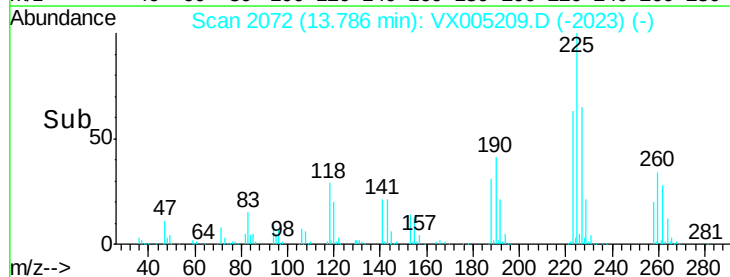
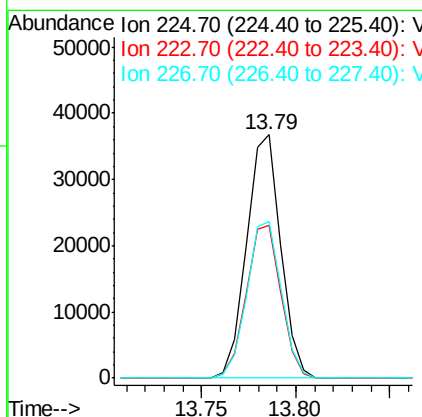
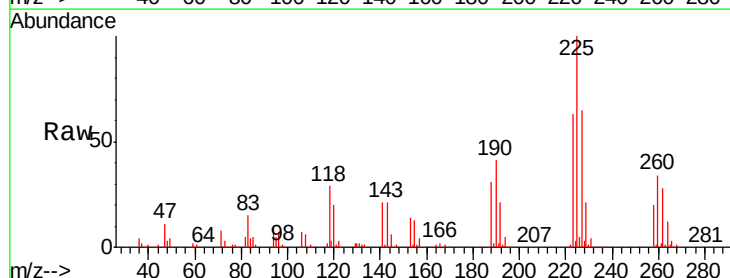
Manual Integrations
APPROVED

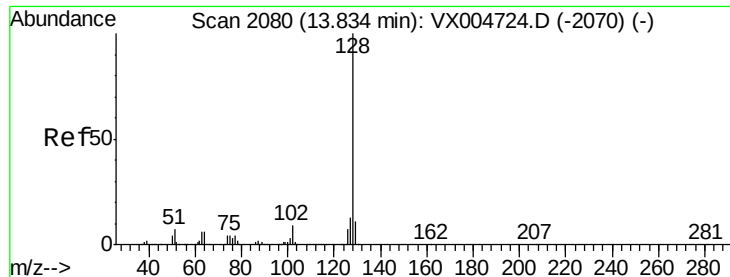
MMDadoda
10/12/2018 11:44:59 AM



#94
Hexachlorobutadiene
Concen: 20.00 ug/l
RT: 13.79 min Scan# 2072
Delta R.T. 0.00 min
Lab File: VX005209.D
Acq: 10 Oct 2018 16:26

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	46131		
223	63.7	31.3	93.8	
227	64.9	31.9	95.5	





#95

Naphthalene

Concen: 18.30 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

Instrument :

MSVOA_X

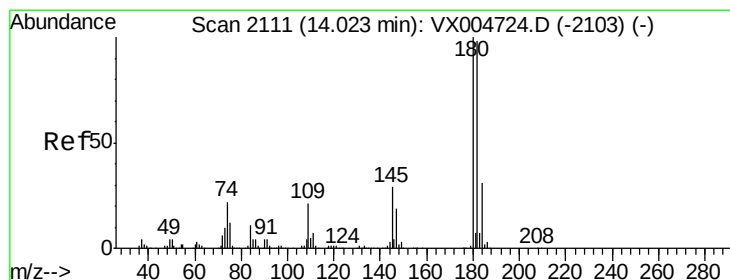
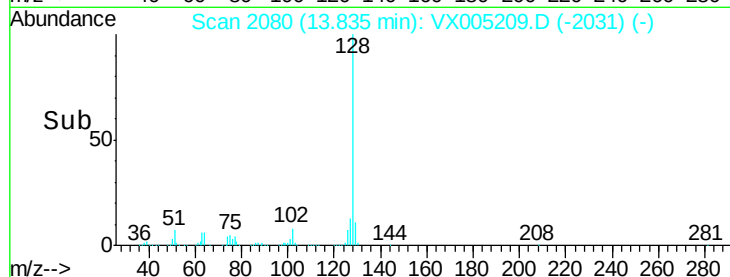
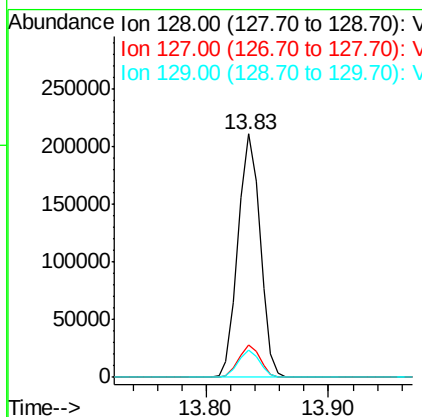
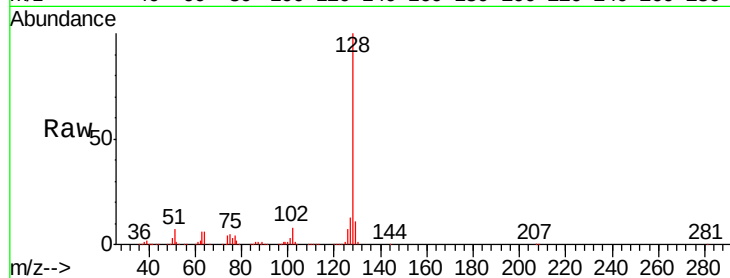
ClientSampleId :

VX1010WBS01

Tgt Ion:	128	Resp:	263281
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/12/2018 11:44:59 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.87 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VX005209.D

Acq: 10 Oct 2018 16:26

Tgt Ion:	180	Resp:	91310
Ion Ratio	Lower	Upper	
180	100		
182	95.9	47.9	143.8
145	29.7	15.0	45.0

