

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090718\
 Data File : VX004420.D
 Acq On : 07 Sep 2018 20:59
 Operator : JC/MD
 Sample : VX0907WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/10/2018 11:15:33 AM

Quant Time: Sep 08 04:54:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	218505	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	379895	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	368716	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	236996	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	184171	64.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	129.34%	
35) Dibromofluoromethane	5.50	113	156160	55.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.50%	
50) Toluene-d8	8.71	98	538178	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
62) 4-Bromofluorobenzene	11.14	95	219356	55.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	27698	10.94	ug/l	99
3) Chloromethane	1.32	50	49643	17.93	ug/l	99
4) Vinyl Chloride	1.40	62	47274	16.51	ug/l	97
5) Bromomethane	1.64	94	23495	15.24	ug/l	98
6) Chloroethane	1.71	64	42122	19.93	ug/l	99
7) Trichlorofluoromethane	1.92	101	59015	15.04	ug/l	90
8) Diethyl Ether	2.19	74	45212	26.91	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	34653	14.10	ug/l	100
10) Methyl Iodide	2.51	142	34755	15.73	ug/l	98
11) Tert butyl alcohol	3.07	59	95306	156.99	ug/l	99
12) 1,1-Dichloroethene	2.37	96	41054	17.74	ug/l	98
13) Acrolein	2.29	56	18407	125.77	ug/l #	81
14) Allyl chloride	2.72	41	100117	23.54	ug/l	94
15) Acrylonitrile	3.15	53	210760	140.19	ug/l	99
16) Acetone	2.45	43	173910	146.24	ug/l	99
17) Carbon Disulfide	2.56	76	99946	16.10	ug/l	100
18) Methyl Acetate	2.78	43	159462	37.73	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	213722	28.02	ug/l	98
20) Methylene Chloride	2.85	84	68591	25.02	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	51242	20.00	ug/l	99
22) Diisopropyl ether	3.87	45	206005	25.94	ug/l	99
23) Vinyl Acetate	3.82	43	792482	123.13	ug/l	98
24) 1,1-Dichloroethane	3.69	63	109631	23.69	ug/l	99
25) 2-Butanone	4.70	43	268231	139.30	ug/l	99
26) 2,2-Dichloropropane	4.58	77	59474	16.39	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	68210	23.47	ug/l	96
28) Bromochloromethane	5.02	49	56944	27.79	ug/l	98
29) Tetrahydrofuran	5.17	42	169074	138.18	ug/l	99
30) Chloroform	5.21	83	112271	24.20	ug/l	95
31) Cyclohexane	5.57	56	57193	14.32	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	76123	19.68	ug/l	99
36) 1,1-Dichloropropene	5.79	75	61683	14.44	ug/l	97
37) Ethyl Acetate	4.86	43	93825	22.34	ug/l	99
38) Carbon Tetrachloride	5.77	117	58209	14.49	ug/l	94

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	54851	11.25	ug/l	98
40) Benzene	6.14	78	246325	19.30	ug/l	100
41) Methacrylonitrile	5.06	41	56205	23.09	ug/l	99
42) 1,2-Dichloroethane	6.20	62	92257	21.19	ug/l	99
43) Isopropyl Acetate	6.46	43	145136	22.49	ug/l	99
44) Trichloroethene	7.21	130	61248	17.34	ug/l	96
45) 1,2-Dichloropropane	7.51	63	68400	21.42	ug/l	100
46) Dibromomethane	7.66	93	45576	21.43	ug/l	98
47) Bromodichloromethane	7.90	83	83333	21.06	ug/l	99
48) Methyl methacrylate	7.78	41	78150	22.63	ug/l	99
49) 1,4-Dioxane	7.76	88	39336	501.67	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	522848	111.49	ug/l	100
52) Toluene	8.79	92	151584	18.98	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	89453	20.47	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	99668	20.93	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	73260	22.72	ug/l	99
56) Ethyl methacrylate	9.18	69	100108	22.80	ug/l	97
57) 1,3-Dichloropropane	9.37	76	121396	22.33	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	263642	117.21	ug/l	99
59) 2-Hexanone	9.50	43	394306	110.21	ug/l	100
60) Dibromochloromethane	9.59	129	67752	21.56	ug/l	99
61) 1,2-Dibromoethane	9.67	107	73069	21.90	ug/l	100
64) Tetrachloroethene	9.34	164	61026	16.75	ug/l	99
65) Chlorobenzene	10.14	112	181153	19.58	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.22	131	64734	20.28	ug/l	99
67) Ethyl Benzene	10.25	91	274609	18.27	ug/l	98
68) m/p-Xylenes	10.36	106	210029	35.74	ug/l	99
69) o-Xylene	10.70	106	106867	19.23	ug/l	100
70) Styrene	10.71	104	183290	20.36	ug/l	100
71) Bromoform	10.86	173	51627	20.07	ug/l #	98
73) Isopropylbenzene	11.02	105	266131	17.10	ug/l	100
74) N-amyl acetate	10.90	43	120610	20.12	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	112838	20.71	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	99403m	20.62	ug/l	
77) Bromobenzene	11.26	156	85768	19.64	ug/l	98
78) n-propylbenzene	11.36	91	296948	16.59	ug/l	100
79) 2-Chlorotoluene	11.42	91	202003	18.33	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	230905	17.91	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	26729	17.99	ug/l	96
82) 4-Chlorotoluene	11.51	91	235658	18.17	ug/l	99
83) tert-Butylbenzene	11.77	119	218473	16.85	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	246897	18.66	ug/l	98
85) sec-Butylbenzene	11.94	105	245249	15.93	ug/l	100
86) p-Isopropyltoluene	12.07	119	228602	16.57	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	150469	18.30	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	156936	18.11	ug/l	98
89) n-Butylbenzene	12.39	91	170347	15.18	ug/l	97
90) Hexachloroethane	12.60	117	31746	16.46	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	150241	20.00	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	19317	20.13	ug/l	95

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ClientSampleId :
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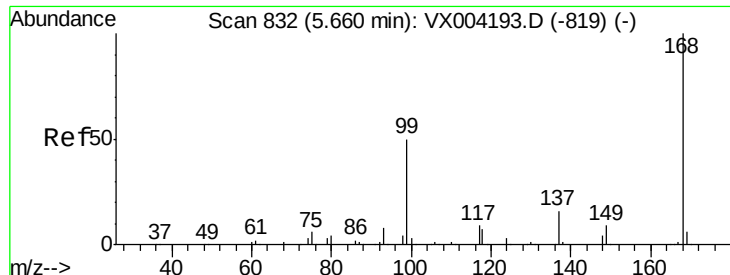
Manual Integrations
APPROVED

MMDadoda
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	102346	18.72	ug/l	98
94) Hexachlorobutadiene	13.79	225	39123	15.29	ug/l	97
95) Naphthalene	13.83	128	338659	21.90	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	115496	19.96	ug/l	98

(#) = 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: VX004420.D

Acq: 07 Sep 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

VX0907WBSD01

Tot Ion:168 Resp: 218505

Ion Ratio Lower Upper

168 100

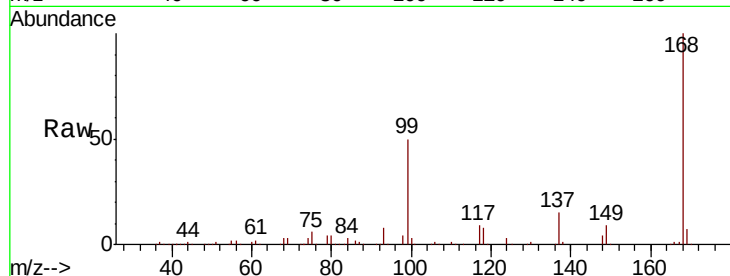
99 49.5 39.9 59.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

80000

60000

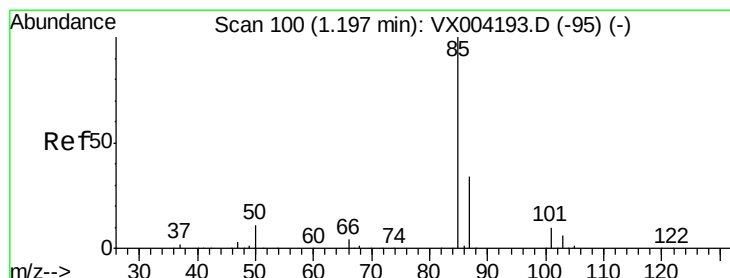
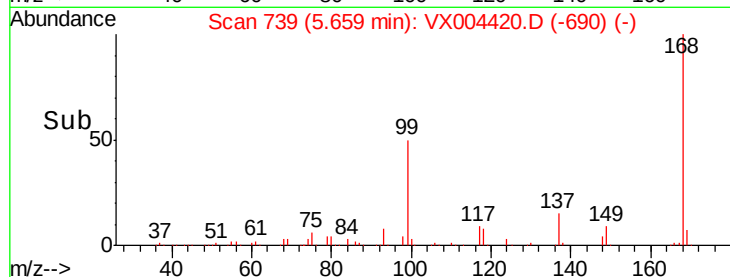
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 10.94 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX004420.D

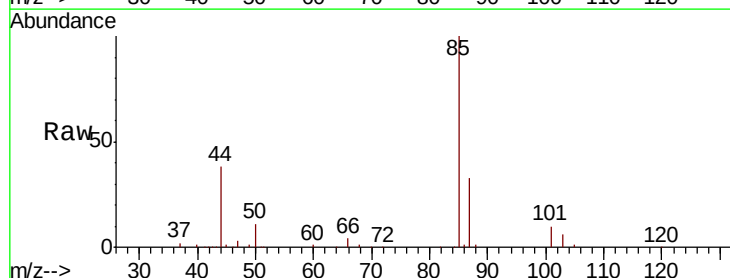
Acq: 07 Sep 2018 20:59

Tgt Ion: 85 Resp: 27698

Ion Ratio Lower Upper

85 100

87 33.2 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

30000

25000

20000

15000

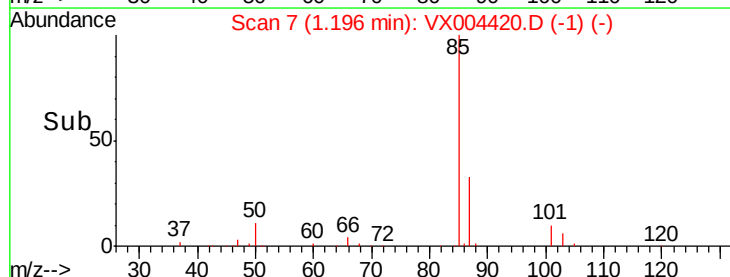
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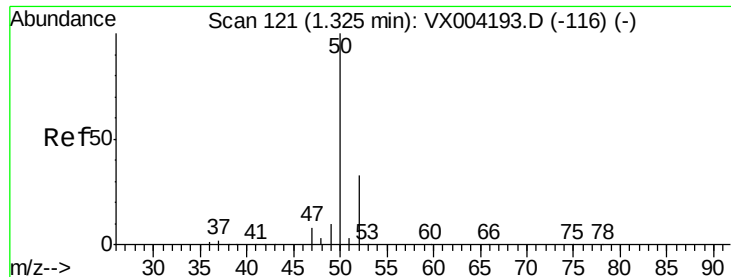
5000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 17.93 ug/l

RT: 1.32 min Scan# 27

Delta R.T. -0.01 min

Lab File: VX004420.D

Acq: 07 Sep 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

VX0907WBSD01

Tot Ion: 50 Resp: 49643

Ion Ratio Lower Upper

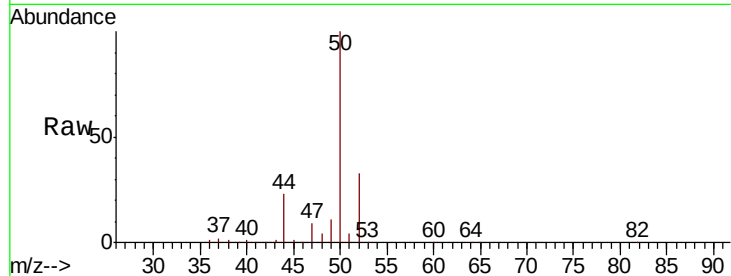
50 100

52 33.4 26.2 39.2

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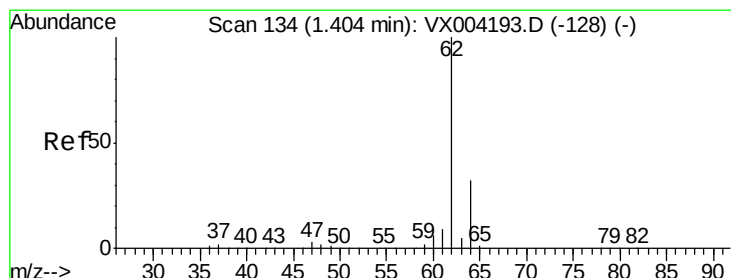
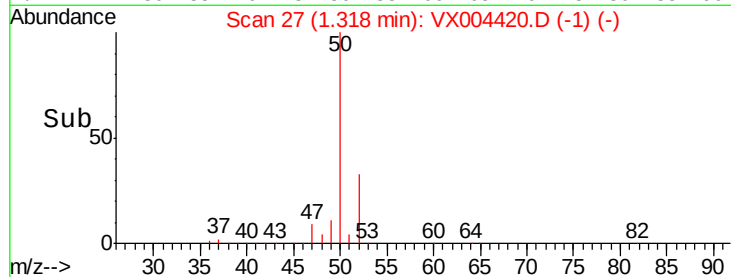
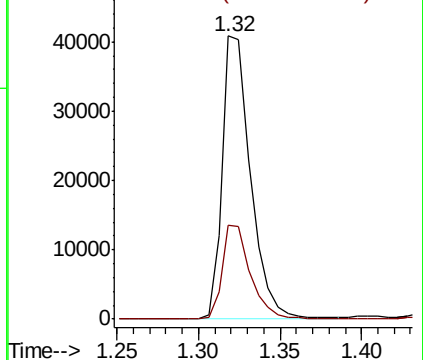
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 16.51 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004420.D

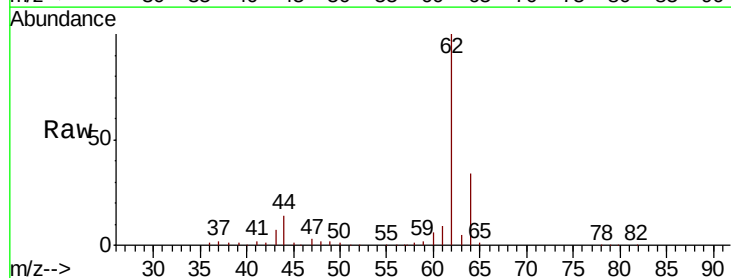
Acq: 07 Sep 2018 20:59

Tgt Ion: 62 Resp: 47274

Ion Ratio Lower Upper

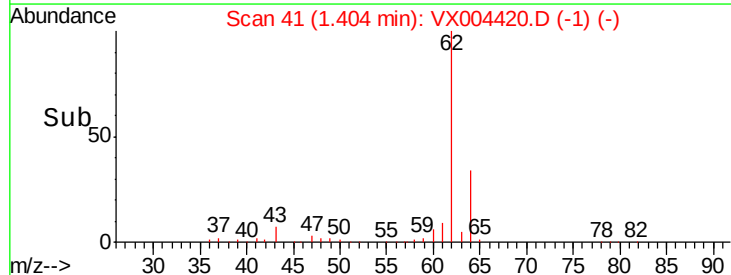
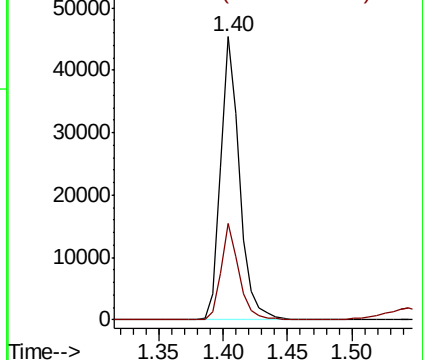
62 100

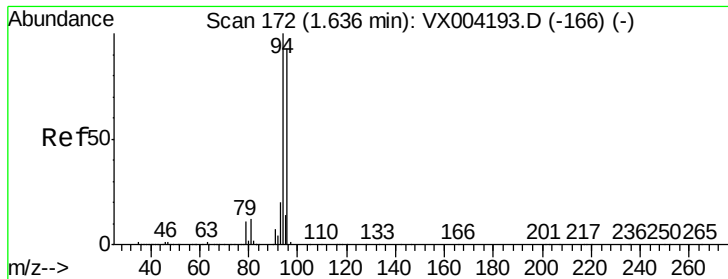
64 34.0 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 15.24 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004420.D

Acq: 07 Sep 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

VX0907WBSD01

Tot Ion: 94 Resp: 23495

Ion Ratio Lower Upper

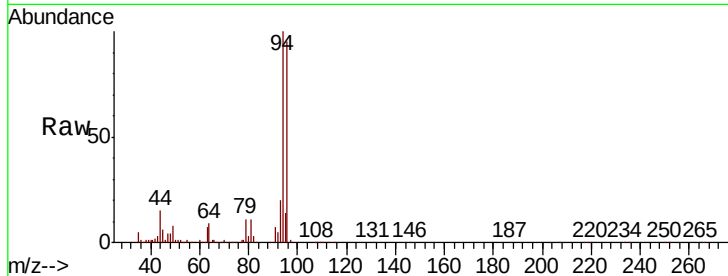
94 100

96 94.9 74.5 111.7

Manual Integrations
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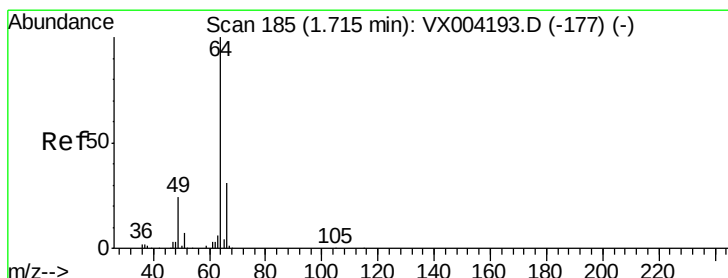
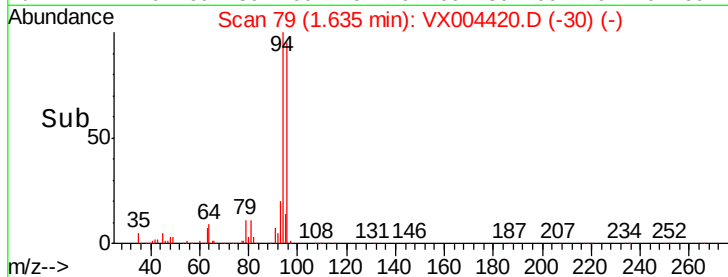
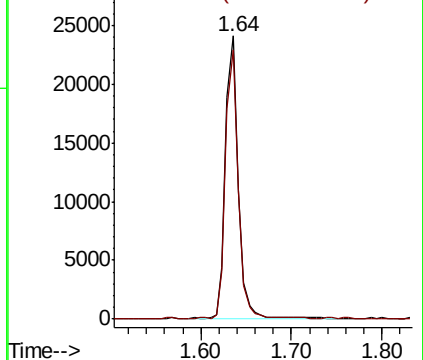
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 19.93 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX004420.D

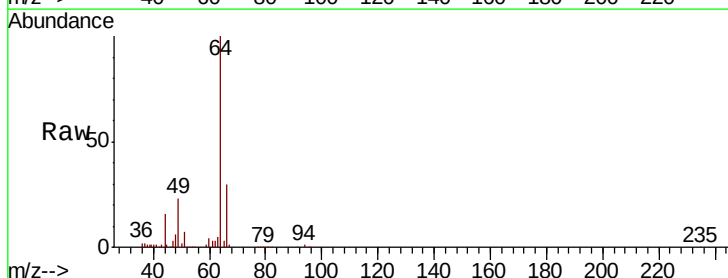
Acq: 07 Sep 2018 20:59

Tgt Ion: 64 Resp: 42122

Ion Ratio Lower Upper

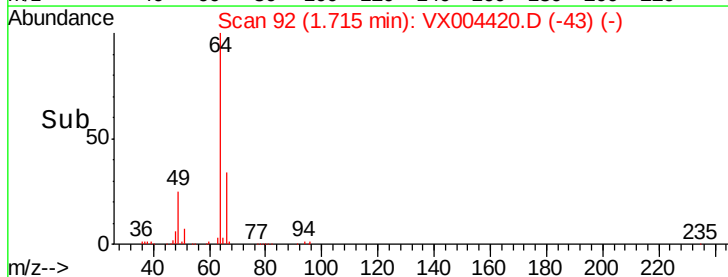
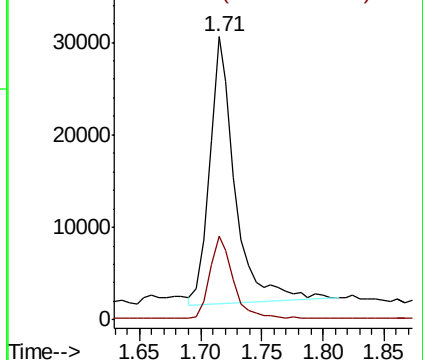
64 100

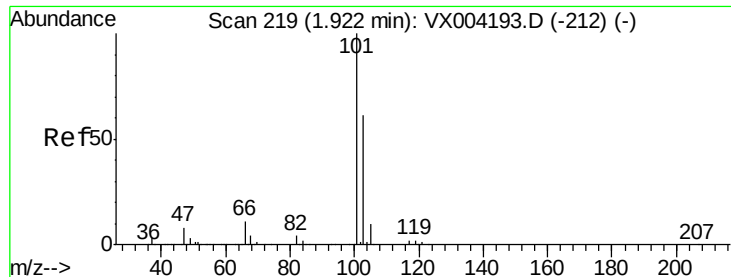
66 31.4 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

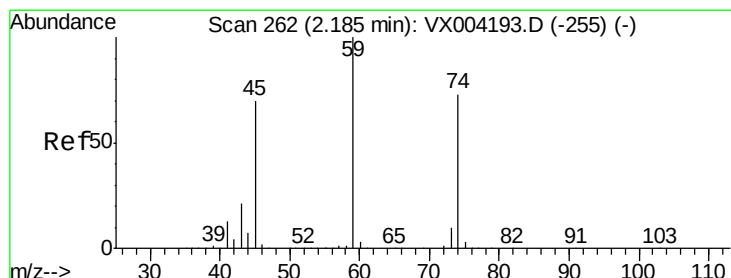
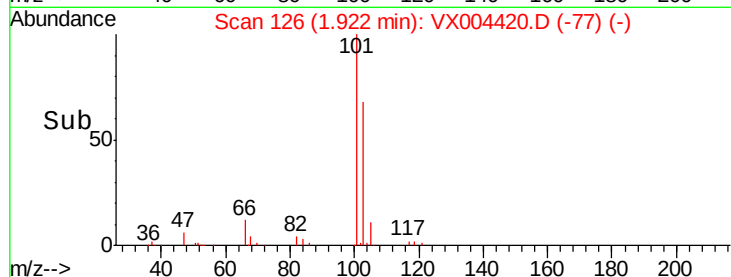
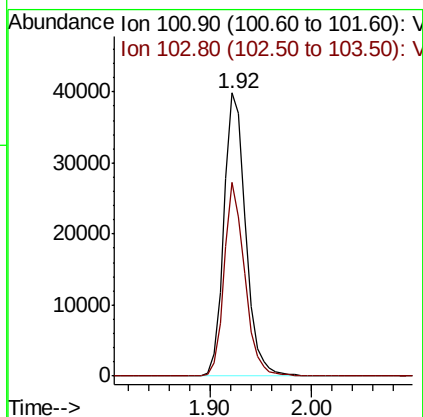
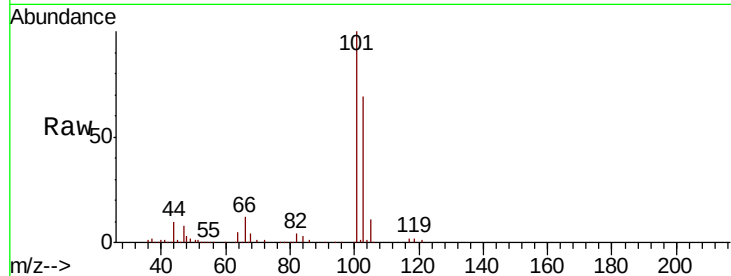
Trichlorofluoromethane
Concen: 15.04 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX004420.D
Acq: 07 Sep 2018 20:59

Instrument :
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ClientSampleId :
VX0907WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.5	48.9	73.3

Manual Integrations
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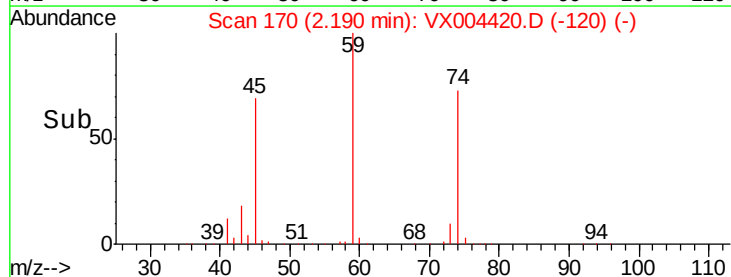
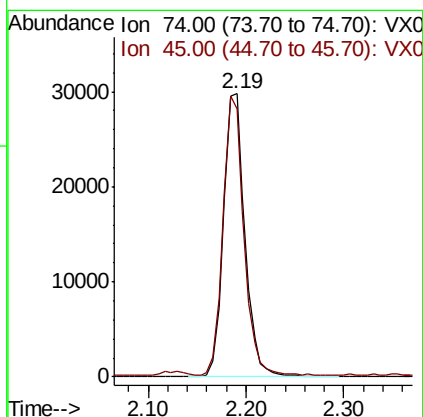
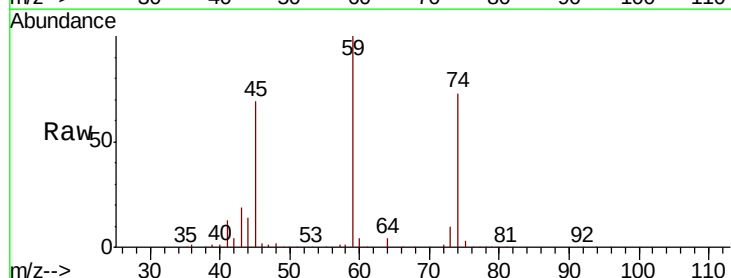
MMDadoda
9/10/2018 11:15:33 AM

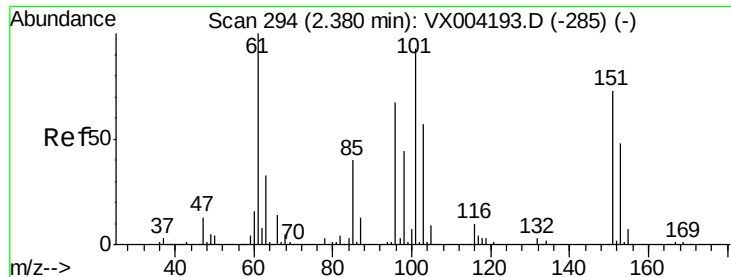


#8

Diethyl Ether
Concen: 26.91 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX004420.D
Acq: 07 Sep 2018 20:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.8	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 14.10 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX004420.D

Acq: 07 Sep 2018 20:59

Instrument :

MSVOA_X

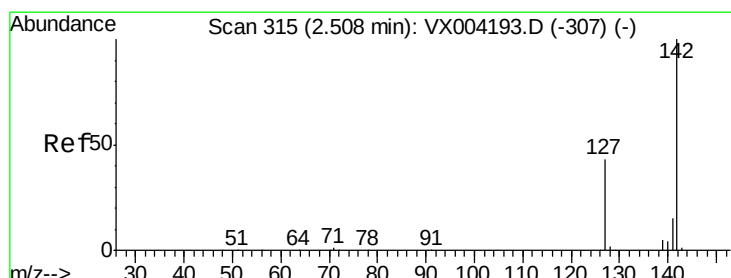
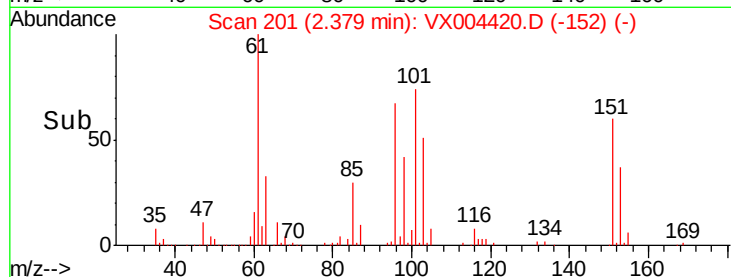
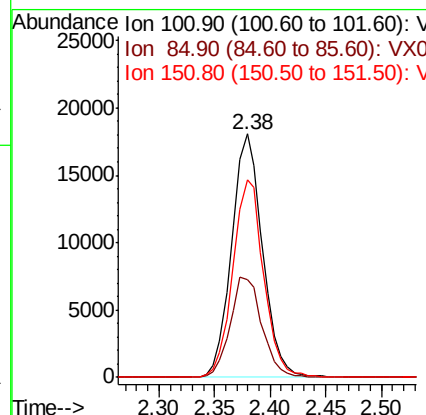
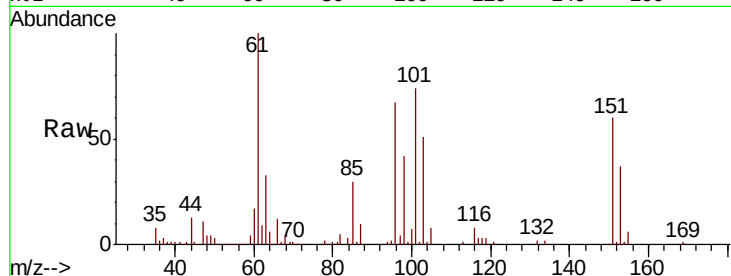
ClientSampleId :

VX0907WBSD01

Tot Ion:	101	Resp:	34653
Ion Ratio	Lower	Upper	
101	100		
85	42.5	34.2	51.4
151	81.4	65.0	97.6

Manual Integrations
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#10

Methyl Iodide

Concen: 15.73 ug/l

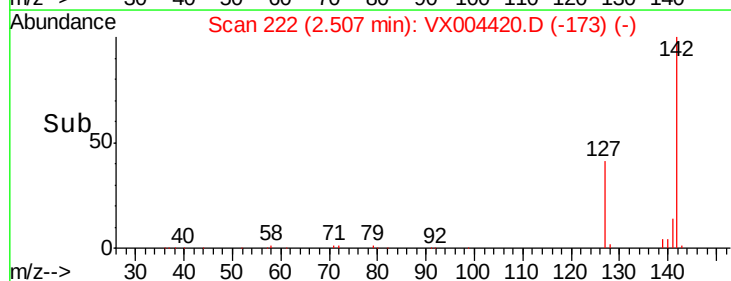
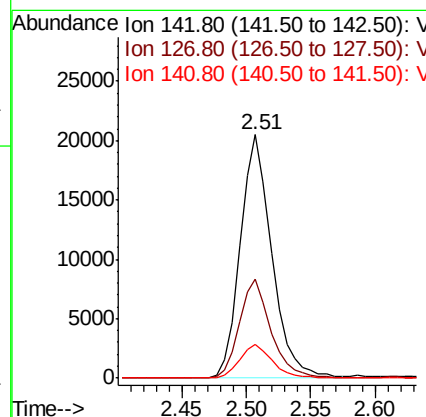
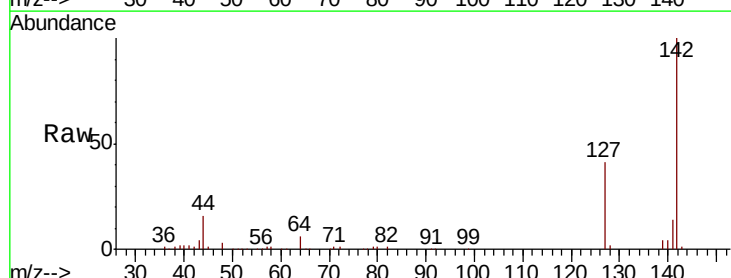
RT: 2.51 min Scan# 222

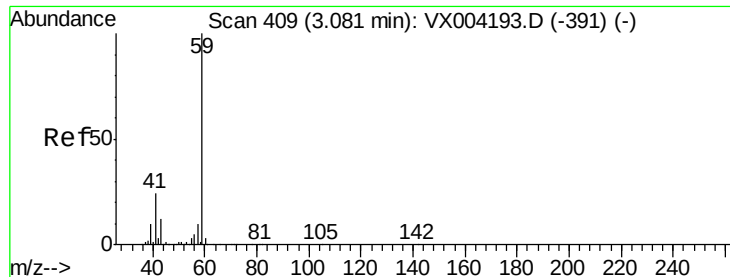
Delta R.T. 0.00 min

Lab File: VX004420.D

Acq: 07 Sep 2018 20:59

Tgt Ion:	142	Resp:	34755
Ion Ratio	Lower	Upper	
142	100		
127	40.8	33.8	50.6
141	14.0	11.4	17.0





#11

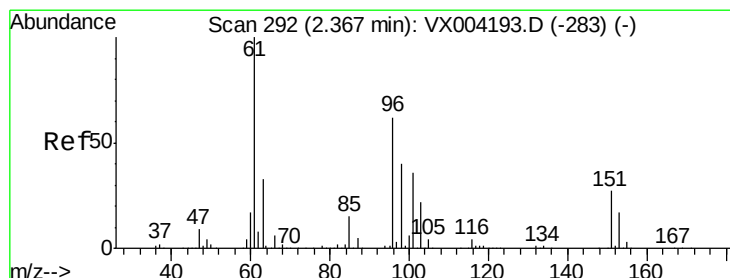
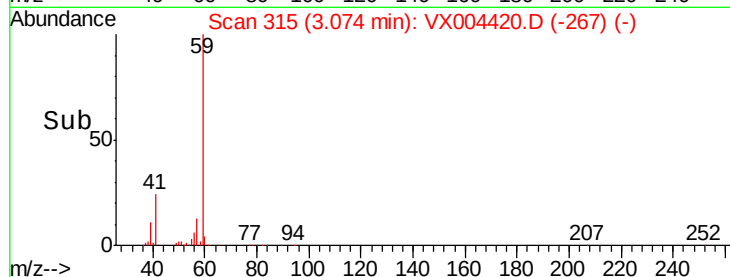
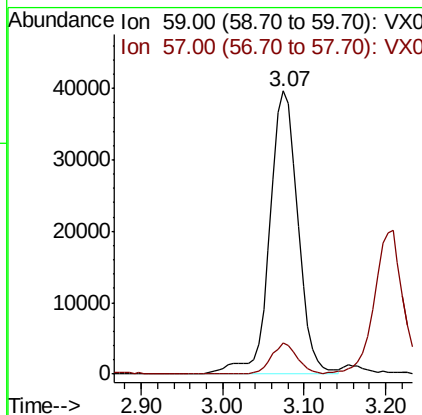
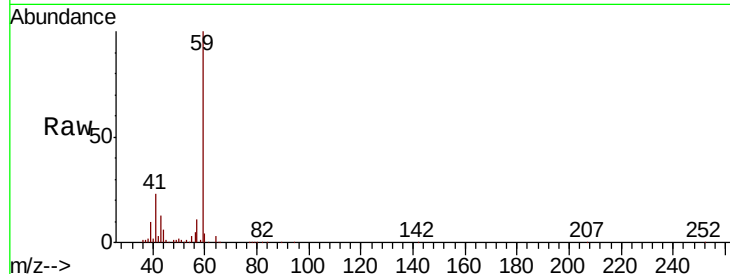
Tert butyl alcohol
 Concen: 156.99 ug/l
 RT: 3.07 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VX004420.D
 Acq: 07 Sep 2018 20:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.4

Manual Integrations
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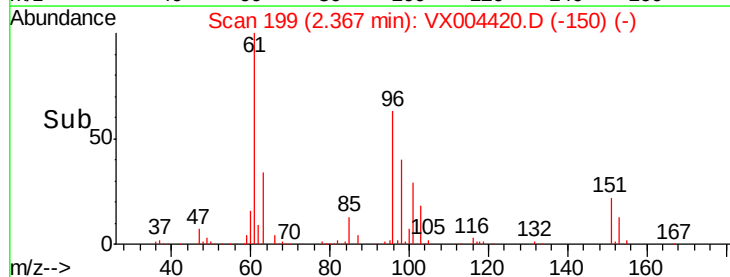
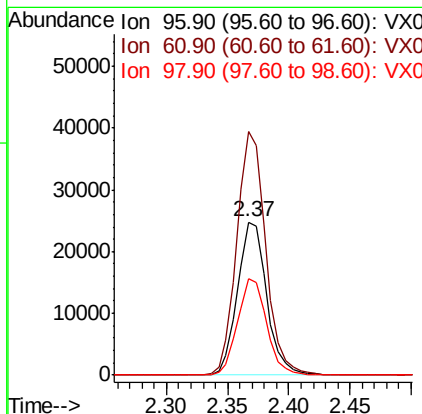
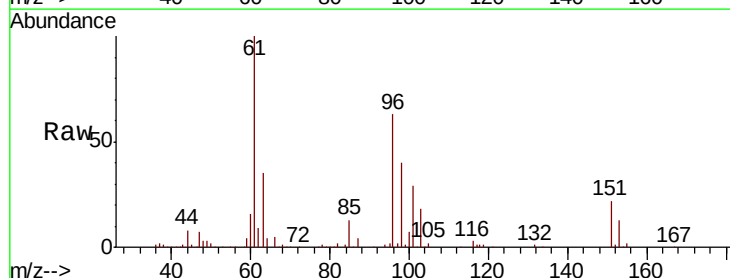
MMDadoda
 9/10/2018 11:15:33 AM

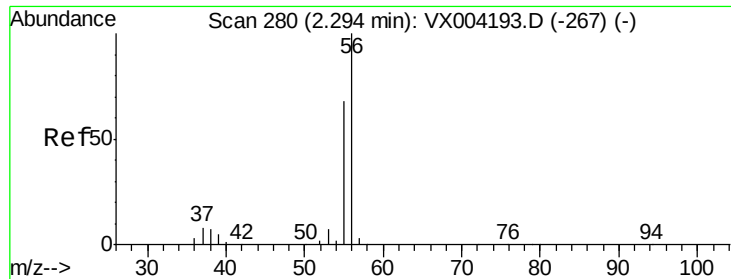


#12

1,1-Dichloroethene
 Concen: 17.74 ug/l
 RT: 2.37 min Scan# 199
 Delta R.T. -0.00 min
 Lab File: VX004420.D
 Acq: 07 Sep 2018 20:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.3	128.8	193.2
98	63.2	52.2	78.2





#13

Acrolein

Concen: 125.77 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX004420.D

Acq: 07 Sep 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

VX0907WBSD01

Tot Ion: 56 Resp: 18407

Ion Ratio Lower Upper

56 100

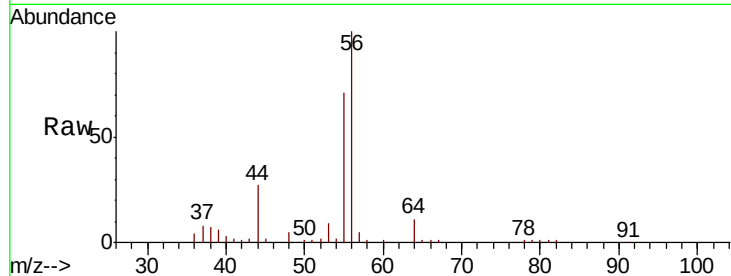
55 84.0 54.7 82.1#

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

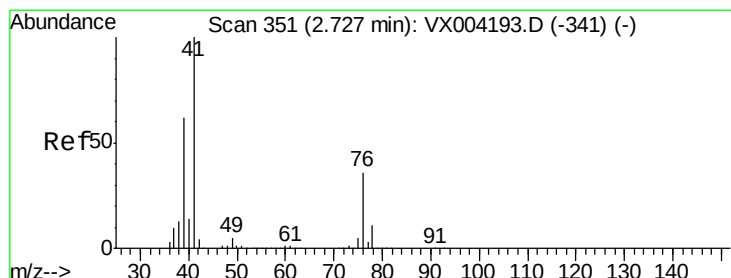
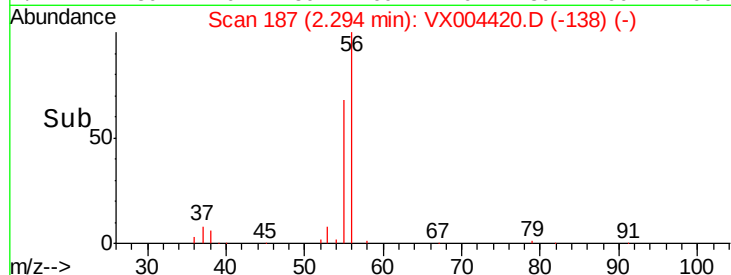
2.29

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 23.54 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX004420.D

Acq: 07 Sep 2018 20:59

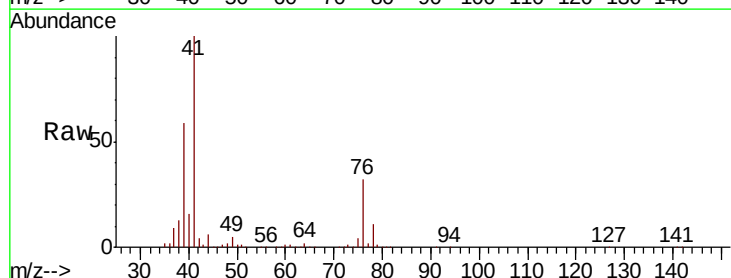
Tgt Ion: 41 Resp: 100117

Ion Ratio Lower Upper

41 100

39 56.2 48.9 73.3

76 30.9 26.7 40.1



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

2.72

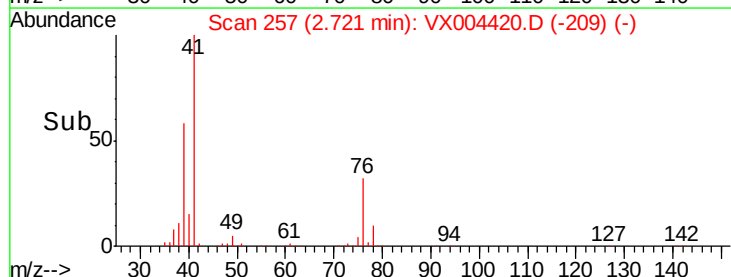
60000

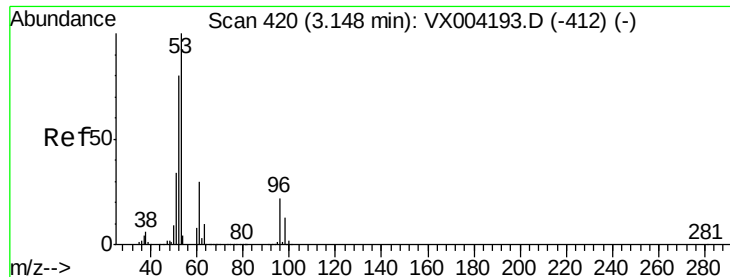
40000

20000

0

Time-->





#15

Acrylonitrile

Concen: 140.19 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX004420.D

Acq: 07 Sep 2018 20:59

Instrument :

MSVOA_X

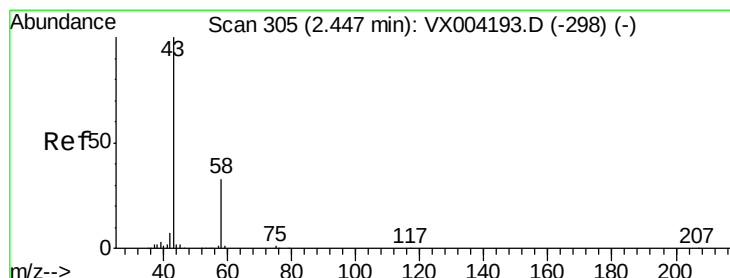
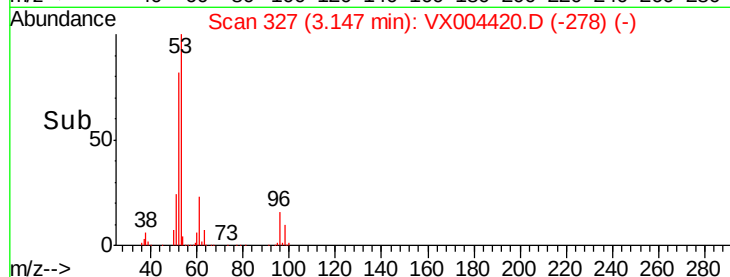
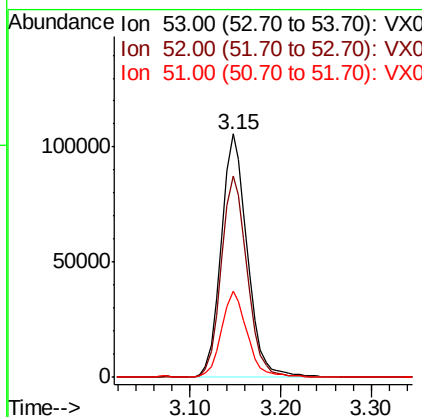
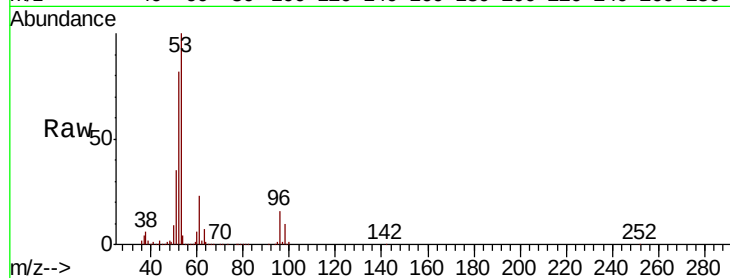
ClientSampleId :

VX0907WBSD01

Tot Ion:	53	Resp:	210760
Ion	Ratio	Lower	Upper
53	100		
52	82.5	65.2	97.8
51	34.9	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 146.24 ug/l

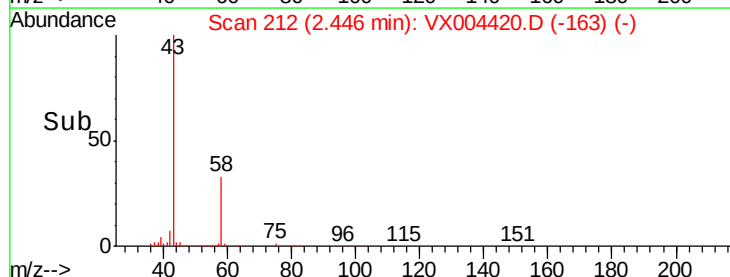
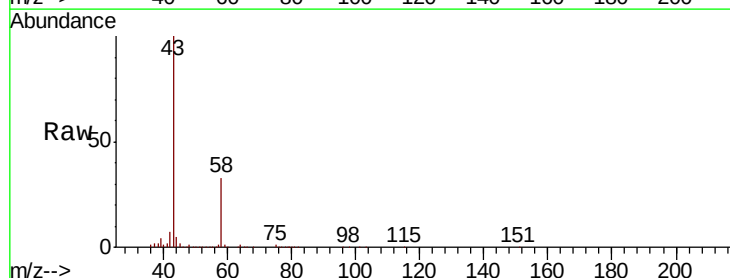
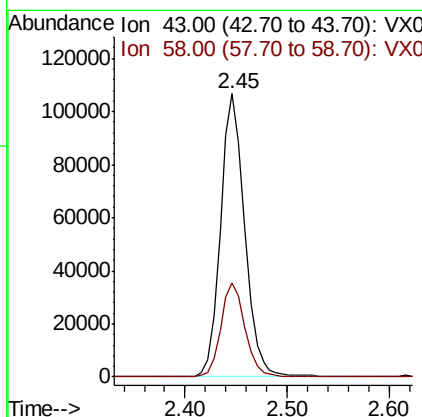
RT: 2.45 min Scan# 212

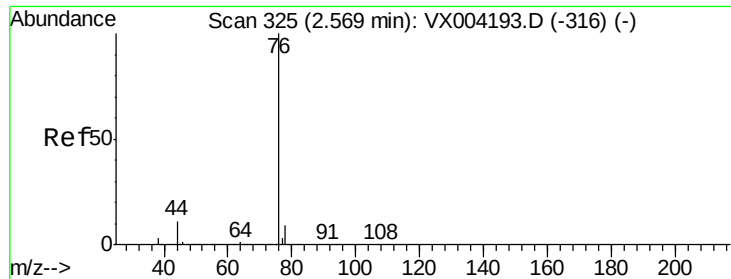
Delta R.T. 0.00 min

Lab File: VX004420.D

Acq: 07 Sep 2018 20:59

Tgt Ion:	43	Resp:	173910
Ion	Ratio	Lower	Upper
43	100		
58	33.3	26.2	39.4





#17

Carbon Disulfide

Concen: 16.10 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX004420.D

Acq: 07 Sep 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

VX0907WBSD01

Tot Ion: 76 Resp: 99946

Ion Ratio Lower Upper

76 100

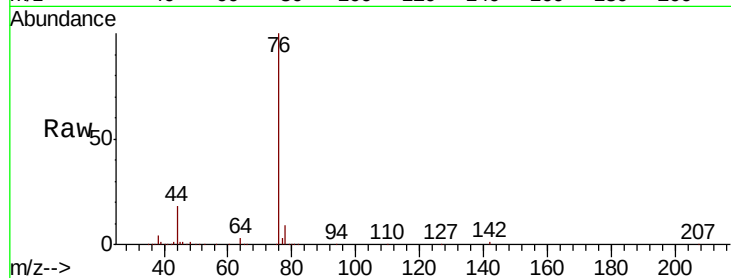
78 8.7 7.0 10.6

Manual Integrations

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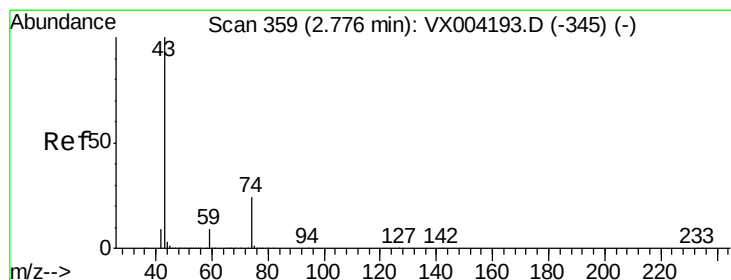
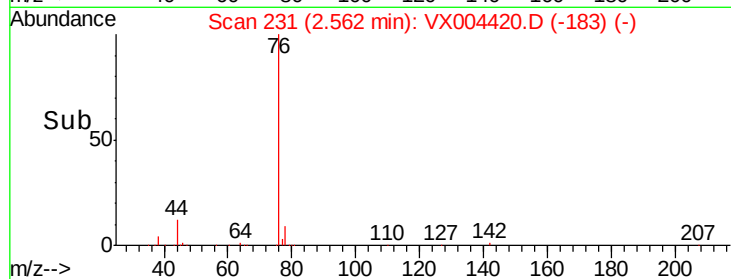
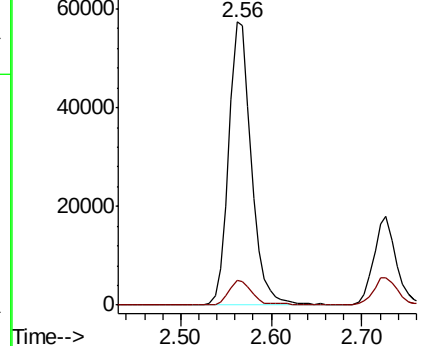
MMDadoda

9/10/2018 11:15:33 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 37.73 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX004420.D

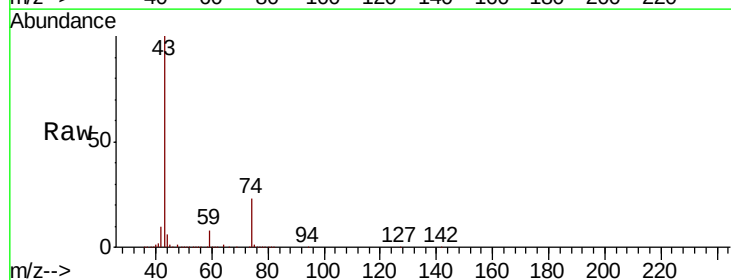
Acq: 07 Sep 2018 20:59

Tgt Ion: 43 Resp: 159462

Ion Ratio Lower Upper

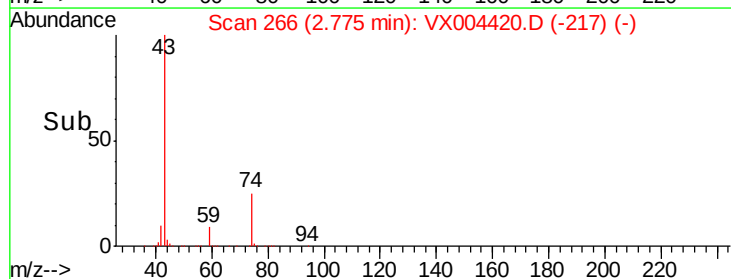
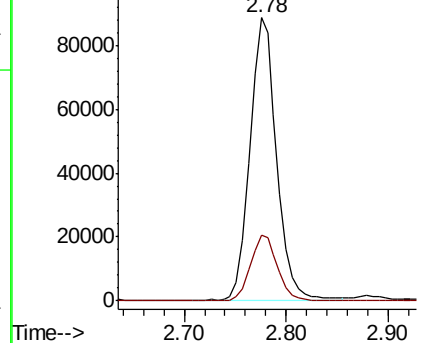
43 100

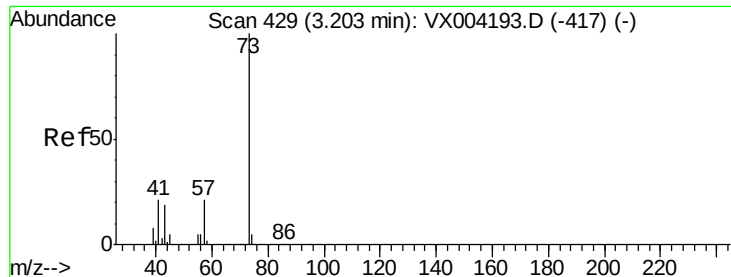
74 23.9 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





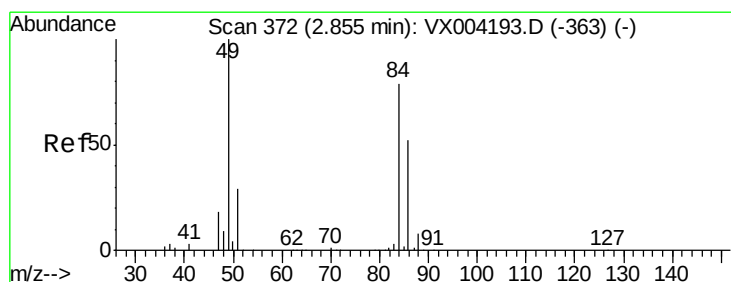
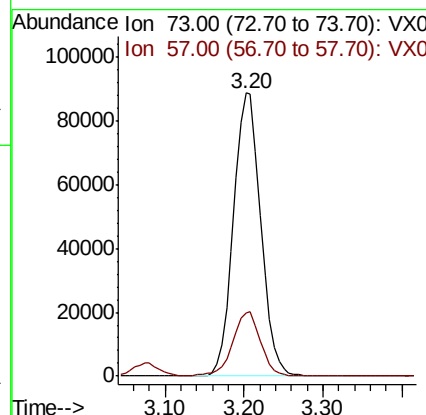
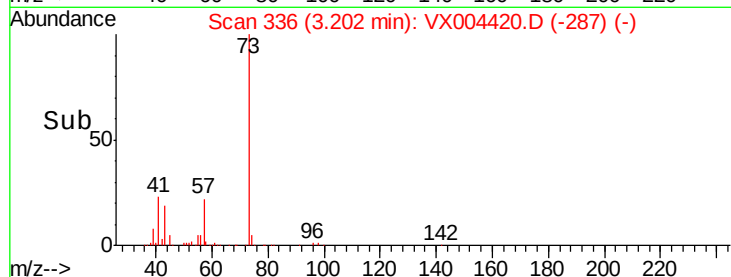
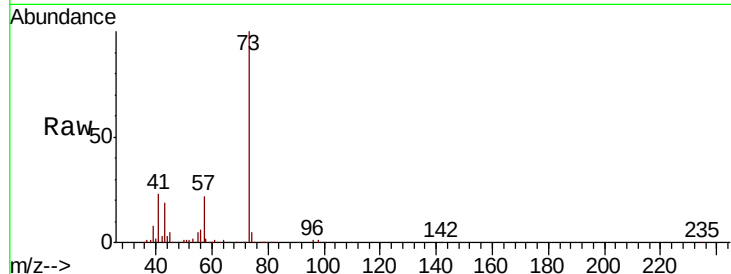
#19
Methyl tert-butyl Ether
Concen: 28.02 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX004420.D
Acq: 07 Sep 2018 20:59

Instrument :
MSVOA_X
ClientSampleID :
VX0907WBSD01

Tot Ion: 73 Resp: 213722
Ion Ratio Lower Upper
73 100
57 22.4 17.1 25.7

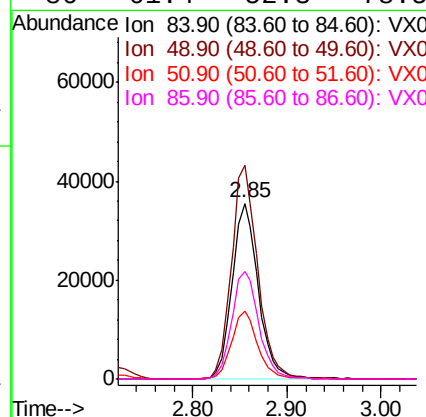
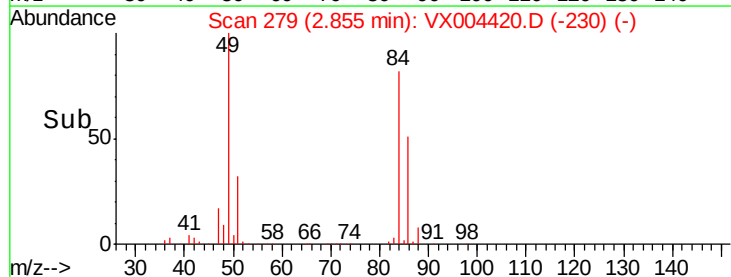
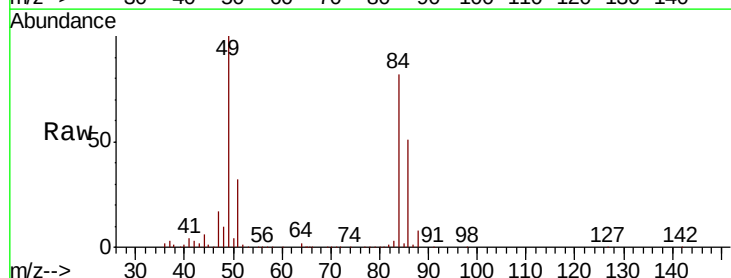
Manual Integrations
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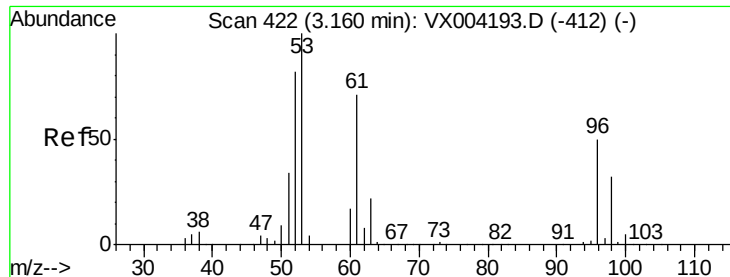
MMDadoda
9/10/2018 11:15:33 AM



#20
Methylene Chloride
Concen: 25.02 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX004420.D
Acq: 07 Sep 2018 20:59

Tgt Ion: 84 Resp: 68591
Ion Ratio Lower Upper
84 100
49 121.4 101.2 151.8
51 38.5 29.5 44.3
86 61.4 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 20.00 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX004420.D

Acq: 07 Sep 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

VX0907WBSD01

Tot Ion: 96 Resp: 51242

Ion Ratio Lower Upper

96 100

61 143.3 113.8 170.6

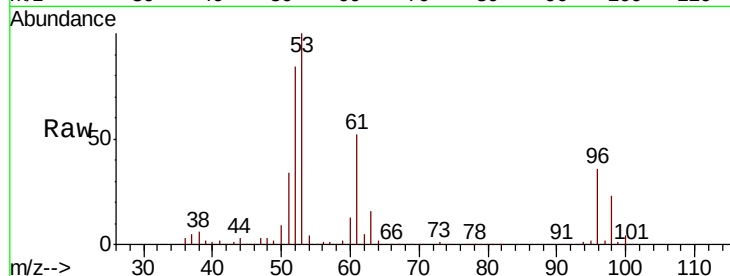
98 63.7 51.8 77.8

Manual Integrations

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MMDadoda

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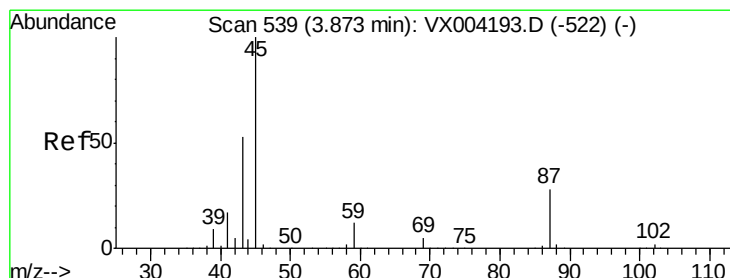
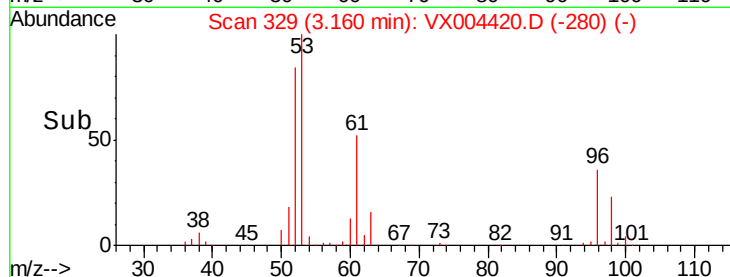
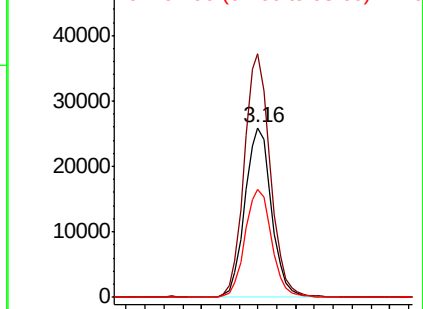


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 25.94 ug/l

RT: 3.87 min Scan# 446

Delta R.T. -0.00 min

Lab File: VX004420.D

Acq: 07 Sep 2018 20:59

Tgt Ion: 45 Resp: 206005

Ion Ratio Lower Upper

45 100

43 53.9 42.8 64.2

87 26.4 22.6 34.0

59 11.9 9.6 14.4

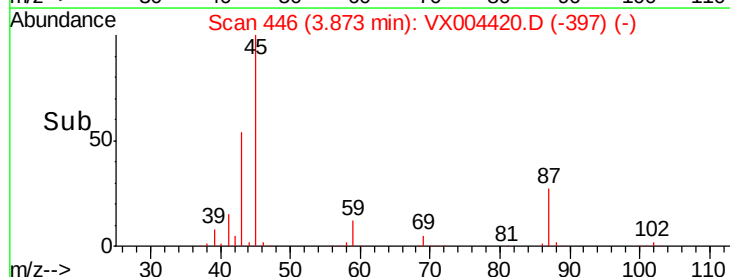
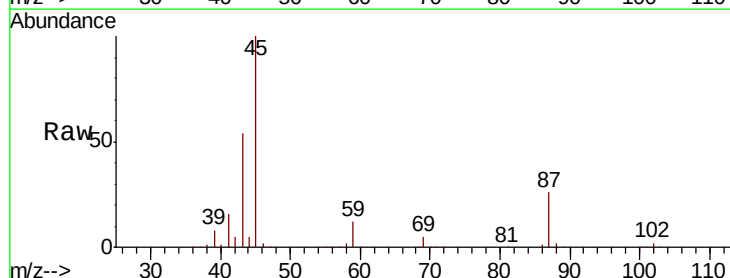
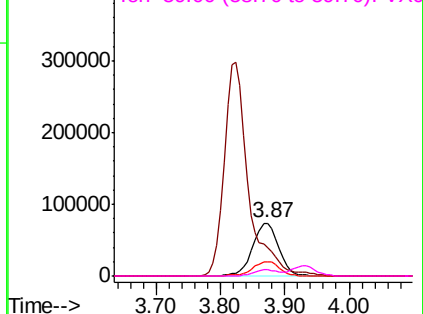
Abundance

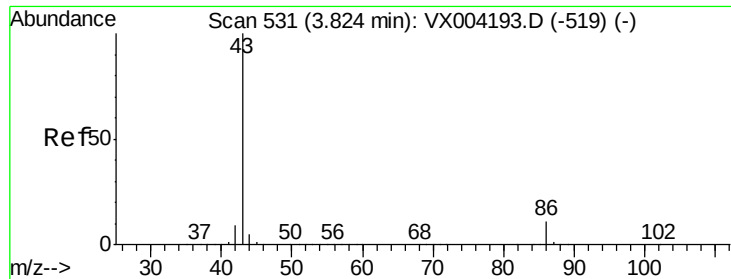
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





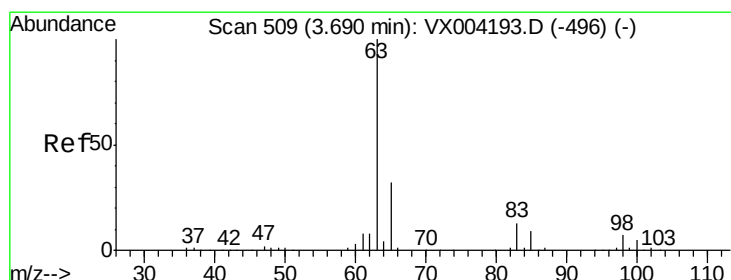
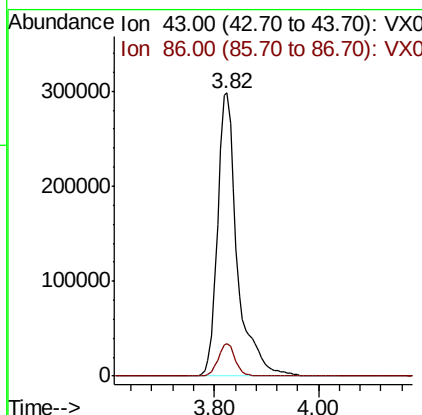
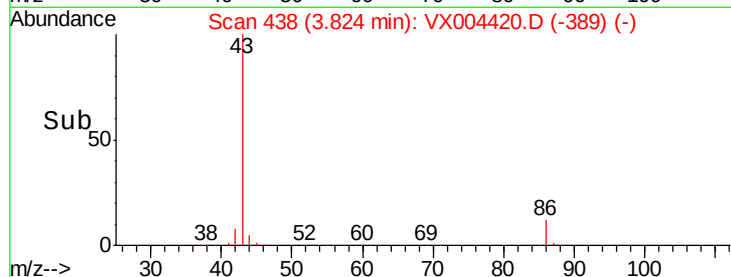
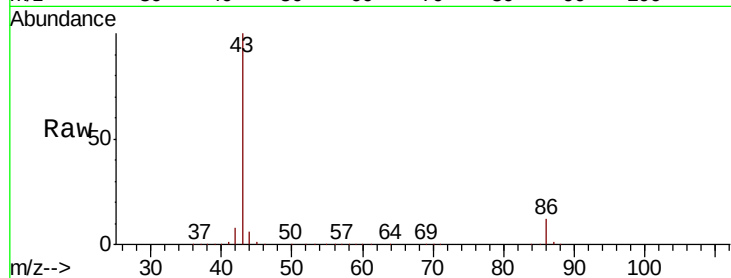
#23
 Vinyl Acetate
 Concen: 123.13 ug/l
 RT: 3.82 min Scan# 438
 Delta R.T. -0.00 min
 Lab File: VX004420.D
 Acq: 07 Sep 2018 20:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
86	11.7	8.9	13.3

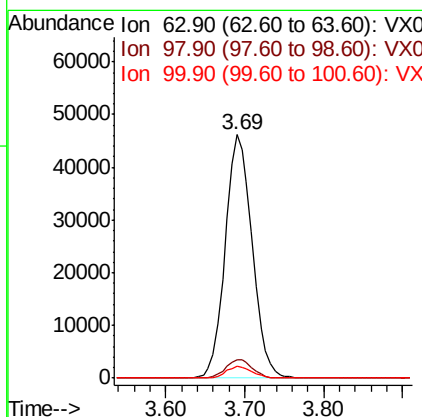
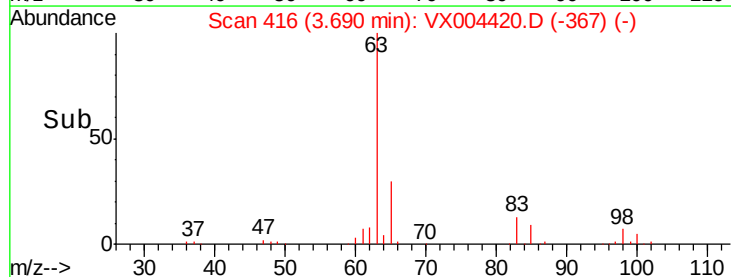
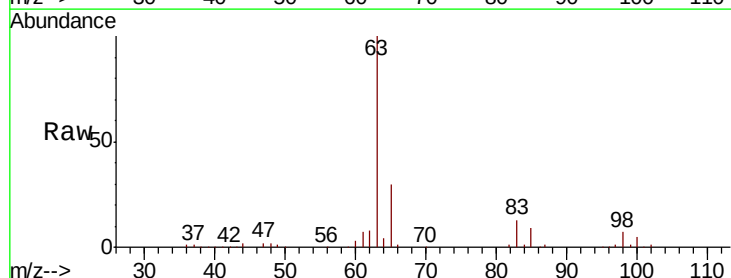
Manual Integrations
 APPROVED

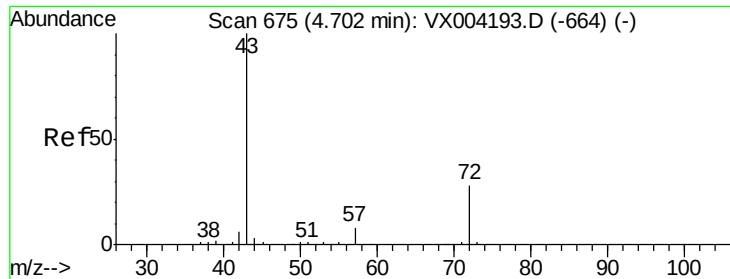
MMDadoda
 9/10/2018 11:15:33 AM



#24
 1,1-Dichloroethane
 Concen: 23.69 ug/l
 RT: 3.69 min Scan# 416
 Delta R.T. -0.00 min
 Lab File: VX004420.D
 Acq: 07 Sep 2018 20:59

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.5	10.4
100	4.8	2.4	7.1





#25

2-Butanone

Concen: 139.30 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX004420.D

Acq: 07 Sep 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

VX0907WBSD01

Tot Ion: 43 Resp: 268231

Ion Ratio Lower Upper

43 100

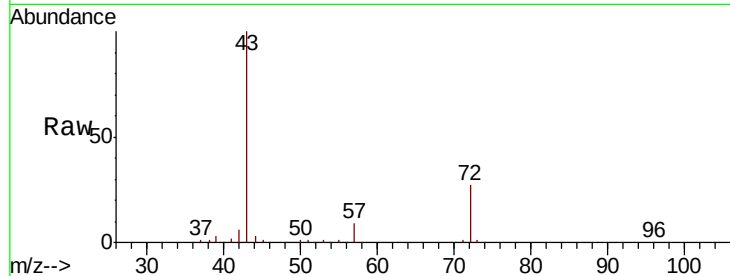
72 27.2 22.0 33.0

Manual Integrations

APPROVED

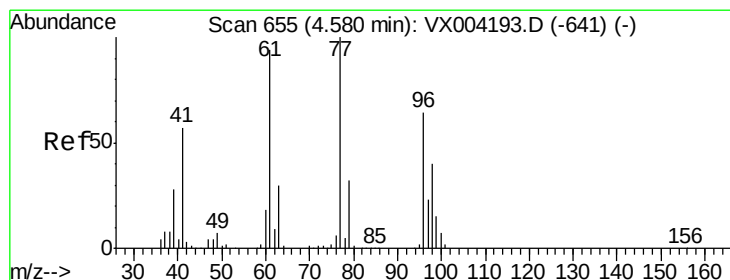
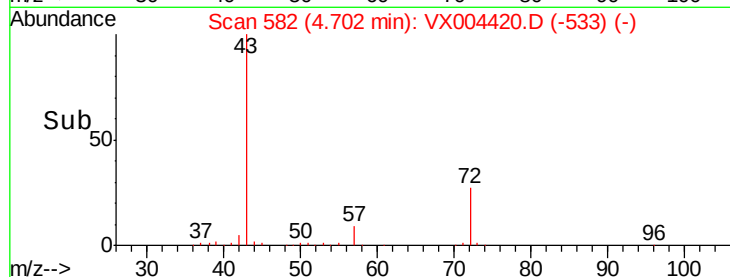
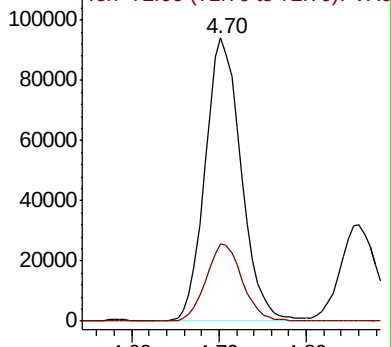
MMDadoda

9/10/2018 11:15:33 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 16.39 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX004420.D

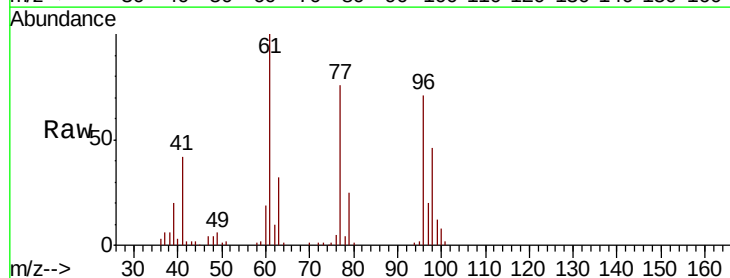
Acq: 07 Sep 2018 20:59

Tgt Ion: 77 Resp: 59474

Ion Ratio Lower Upper

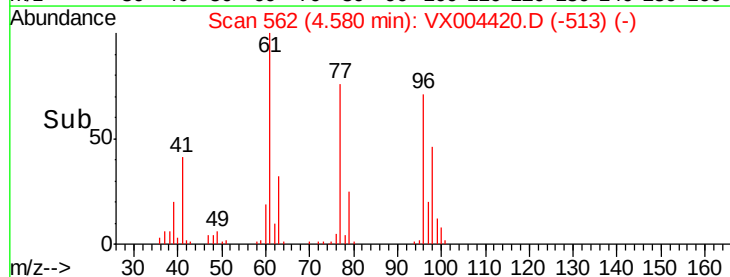
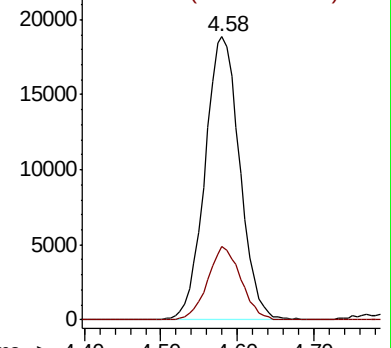
77 100

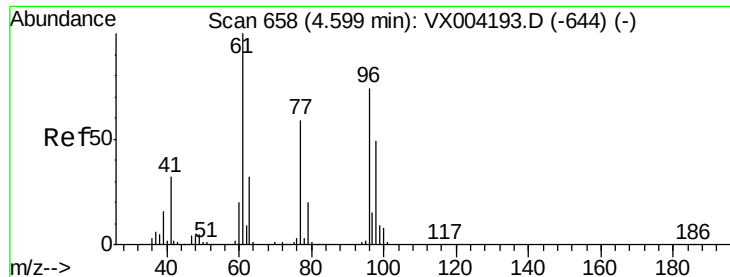
97 24.9 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

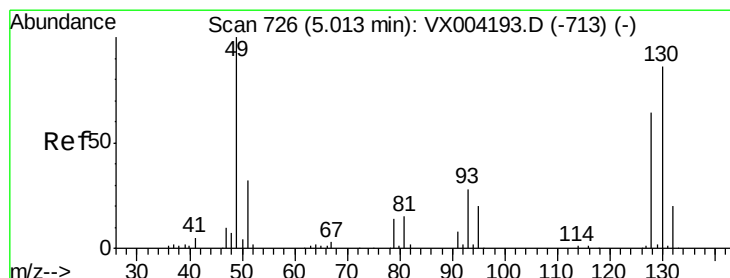
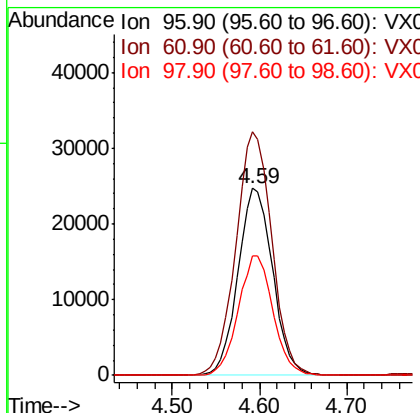
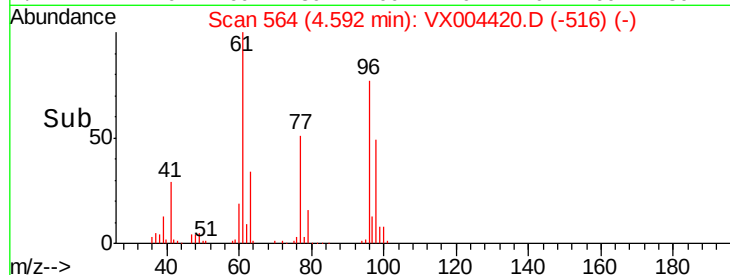
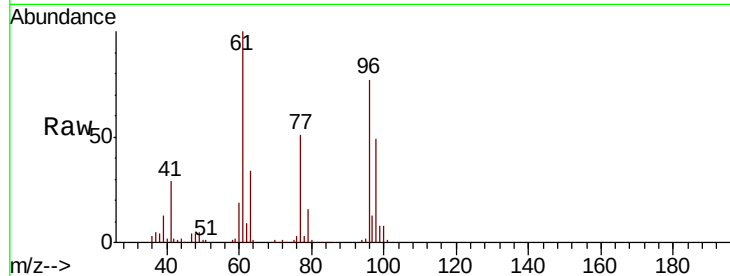
cis-1,2-Dichloroethene
 Concen: 23.47 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX004420.D
 Acq: 07 Sep 2018 20:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.8	0.0	282.6
98	63.8	0.0	130.2

Manual Integrations
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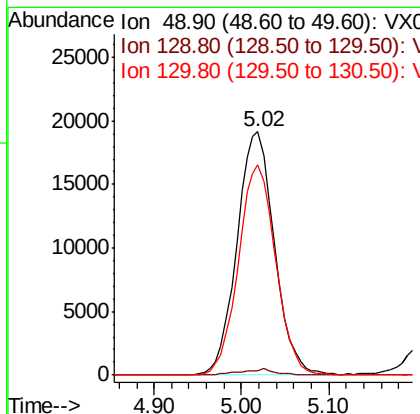
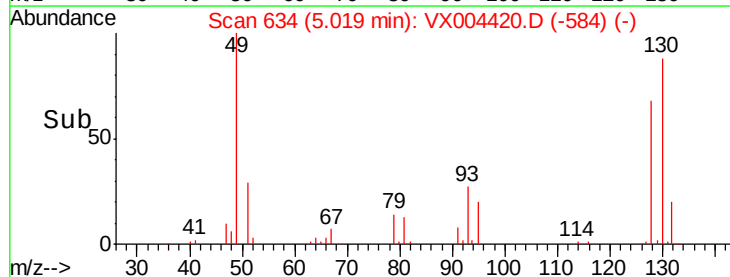
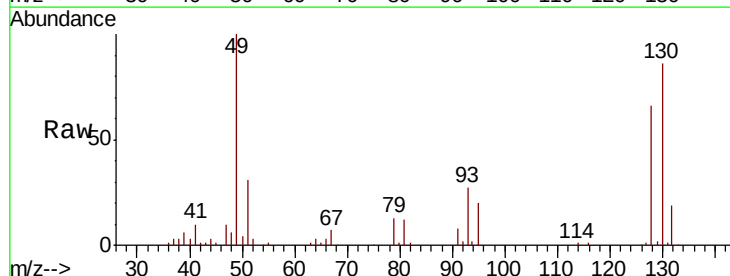
MMDadoda
 9/10/2018 11:15:33 AM

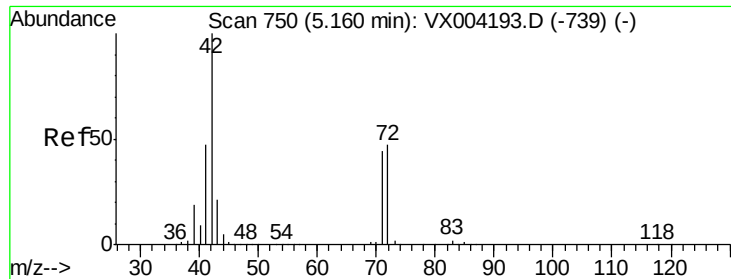


#28

Bromochloromethane
 Concen: 27.79 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.01 min
 Lab File: VX004420.D
 Acq: 07 Sep 2018 20:59

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.2
130	85.9	67.5	101.3





#29

Tetrahydrofuran

Concen: 138.18 ug/l

RT: 5.17 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX004420.D

Acq: 07 Sep 2018 20:59

Instrument :

MSVOA_X

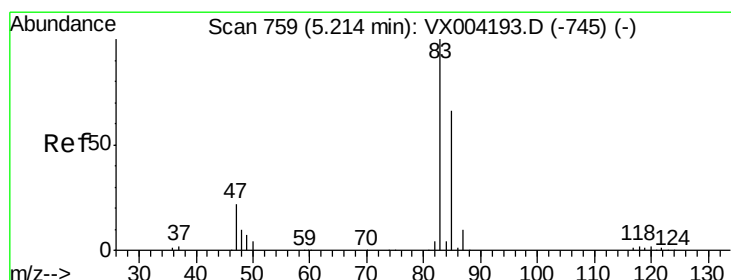
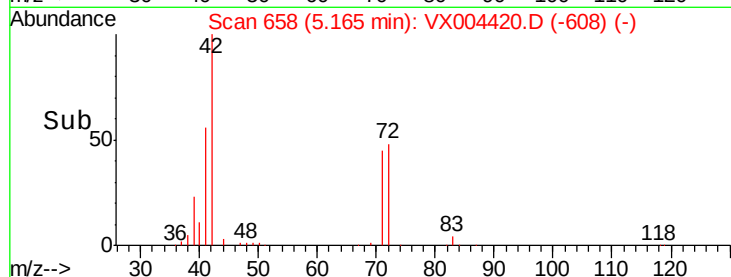
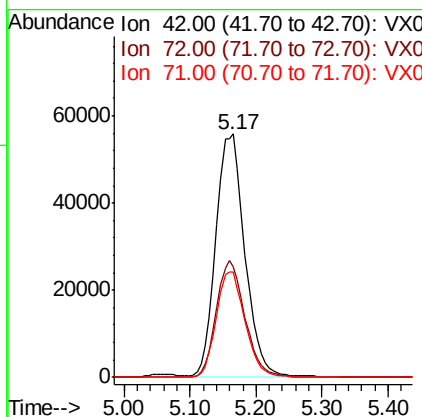
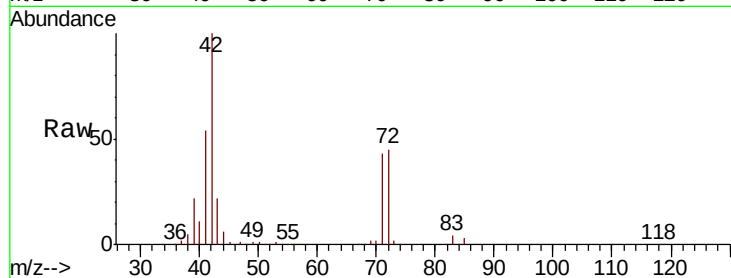
ClientSampleId :

VX0907WBSD01

Tot Ion:	42	Resp:	169074
Ion	Ratio	Lower	Upper
42	100		
72	47.5	37.4	56.0
71	43.5	34.5	51.7

Manual Integrations
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9/10/2018 11:15:33 AM



#30

Chloroform

Concen: 24.20 ug/l

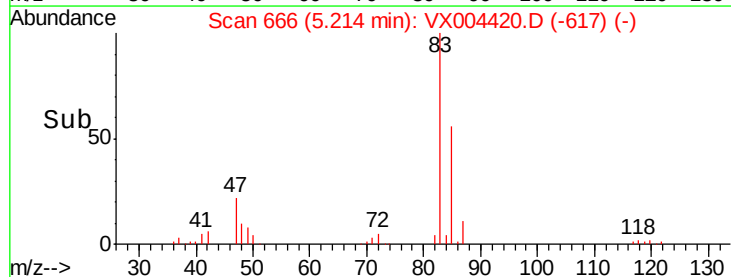
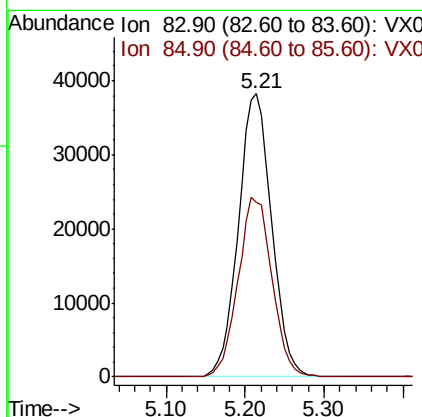
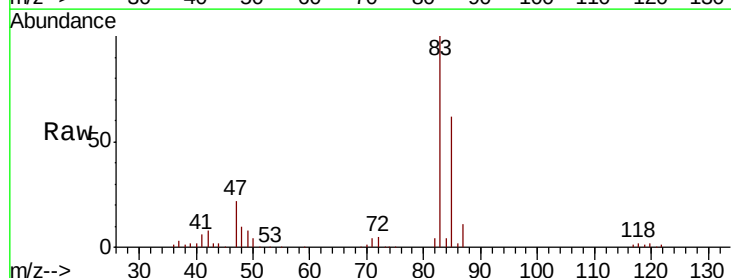
RT: 5.21 min Scan# 666

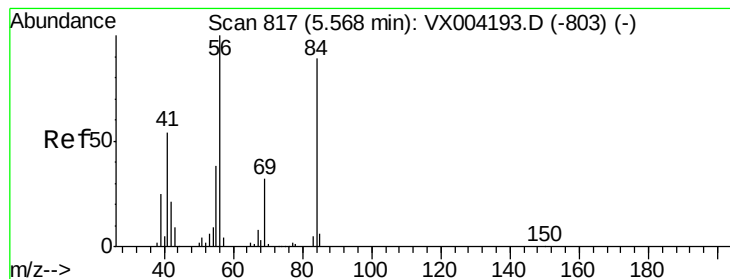
Delta R.T. -0.00 min

Lab File: VX004420.D

Acq: 07 Sep 2018 20:59

Tgt Ion:	83	Resp:	112271
Ion	Ratio	Lower	Upper
83	100		
85	61.6	52.6	79.0





#31

Cyclohexane

Concen: 14.32 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.01 min

Lab File: VX004420.D

Acq: 07 Sep 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

VX0907WBSD01

Tot Ion: 56 Resp: 57193

Ion Ratio Lower Upper

56 100

69 31.7 25.4 38.2

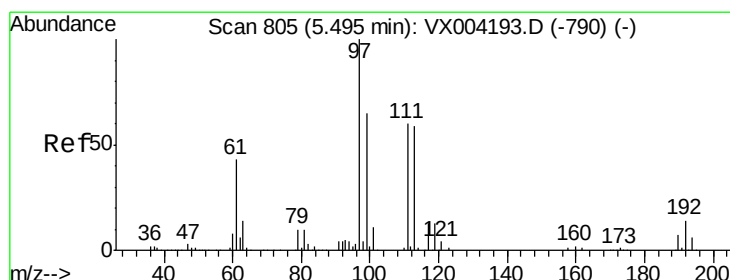
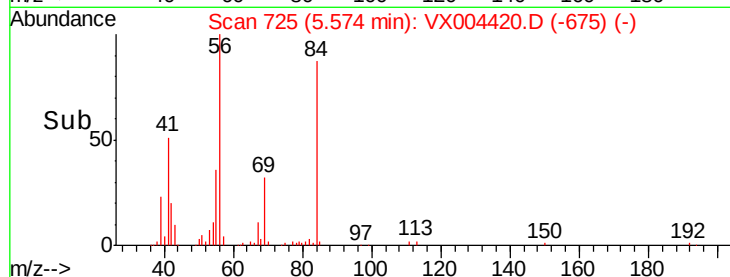
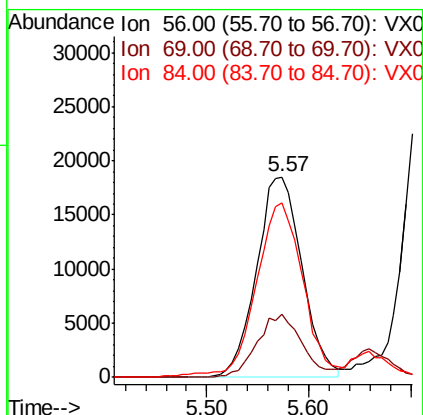
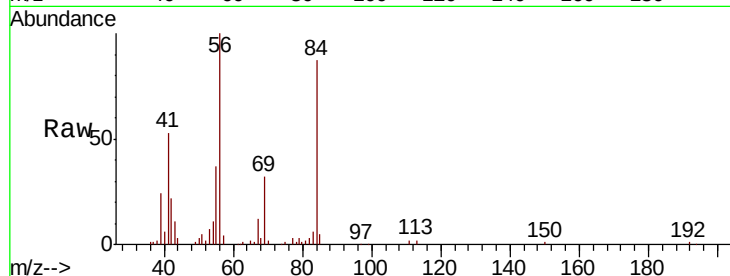
84 85.7 71.4 107.2

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 19.68 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX004420.D

Acq: 07 Sep 2018 20:59

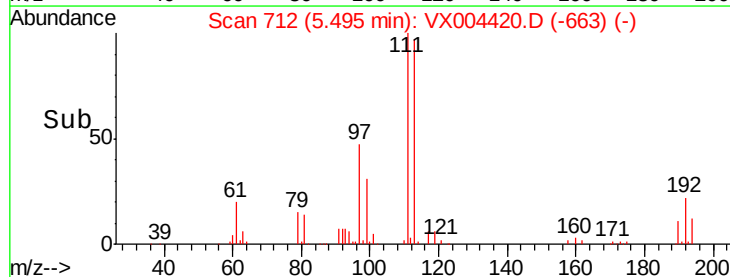
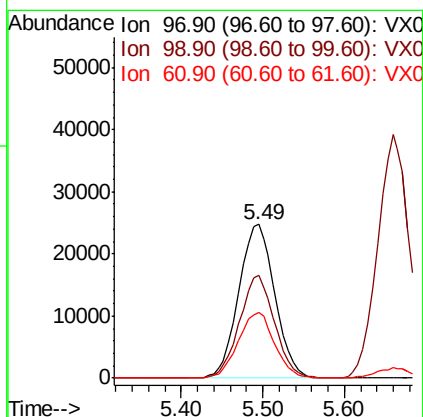
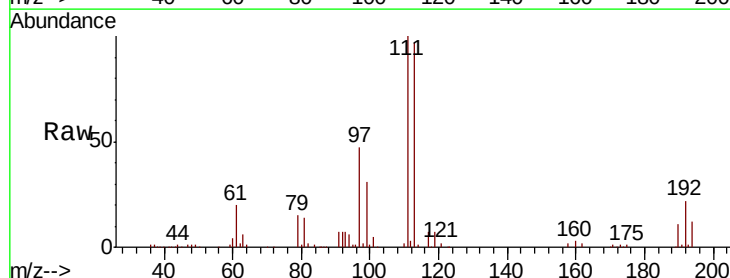
Tgt Ion: 97 Resp: 76123

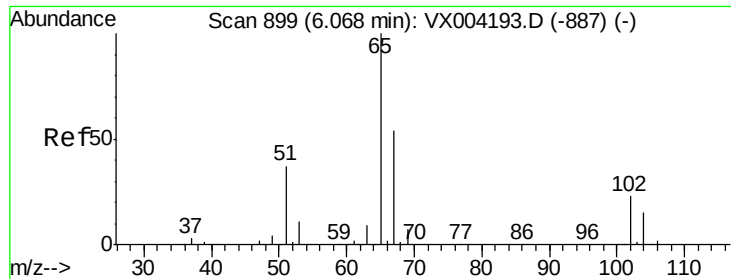
Ion Ratio Lower Upper

97 100

99 64.5 52.0 78.0

61 43.0 34.9 52.3





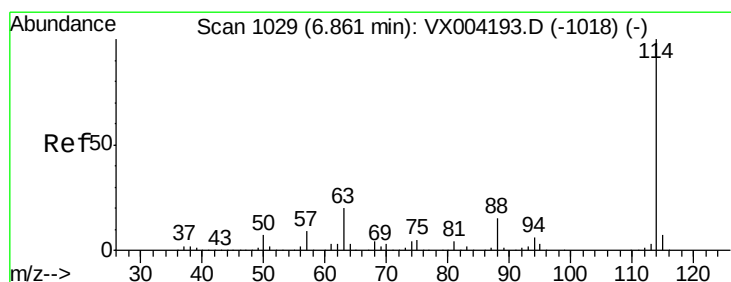
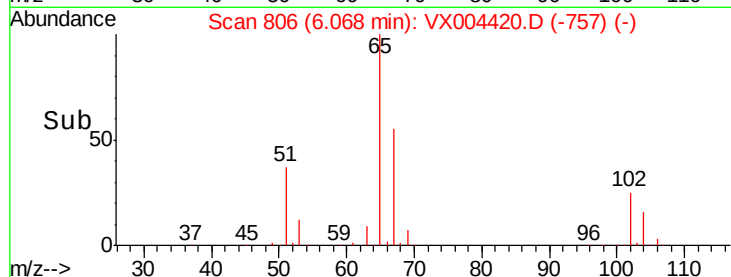
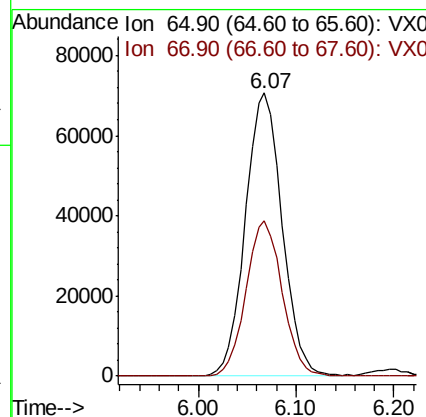
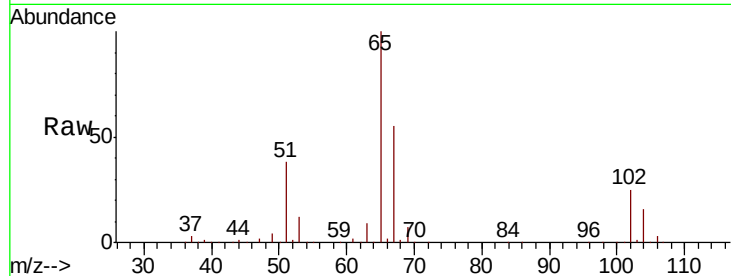
#33
 1,2-Dichloroethane-d4
 Concen: 64.67 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004420.D
 Acq: 07 Sep 2018 20:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.2	0.0	106.8

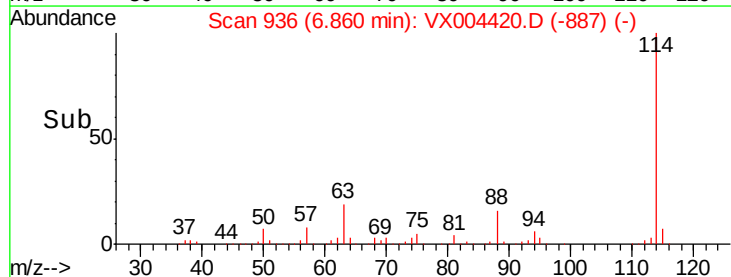
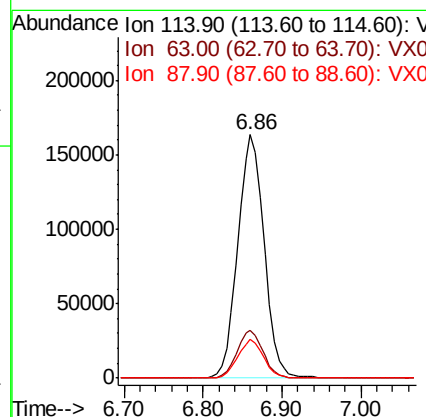
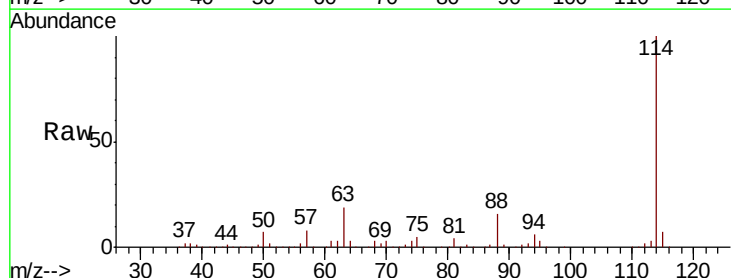
Manual Integrations
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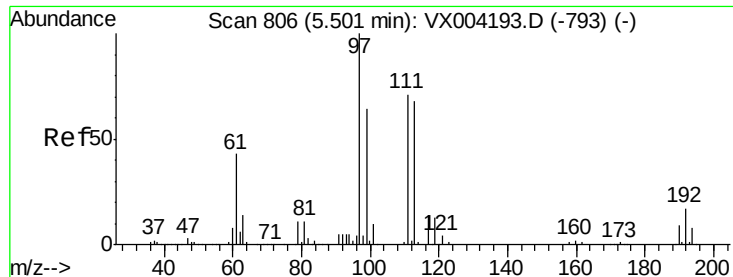
MMDadoda
 9/10/2018 11:15:33 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004420.D
 Acq: 07 Sep 2018 20:59

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	39.0
88	15.8	0.0	30.4





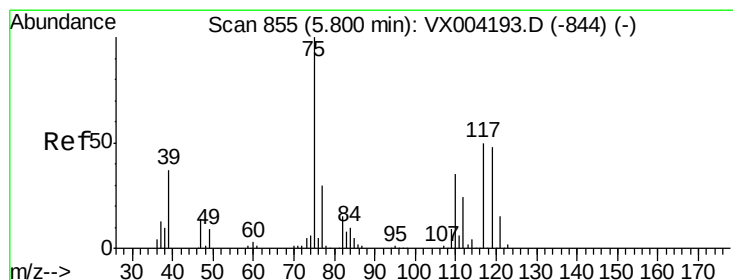
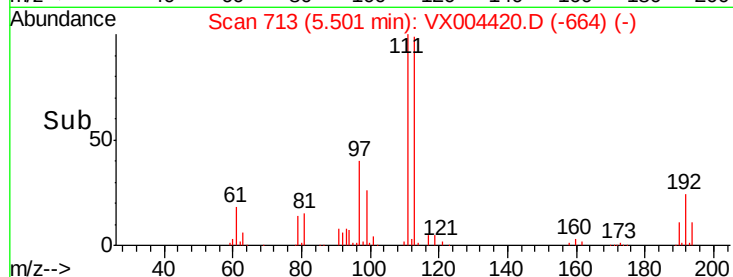
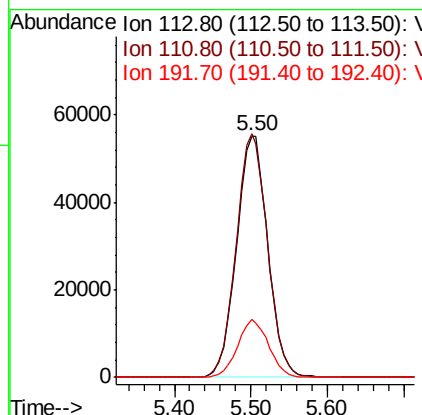
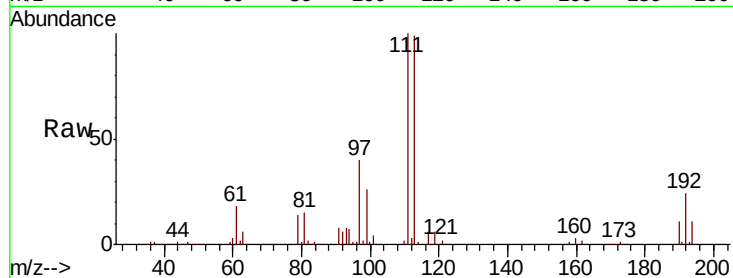
#35
 Dibromofluoromethane
 Concen: 55.25 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX004420.D
 Acq: 07 Sep 2018 20:59

Instrument :
 MSVOA_X
 ClientSampled :
 VX0907WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	156160		
111	100.9	82.4	123.6	
192	23.7	19.4	29.2	

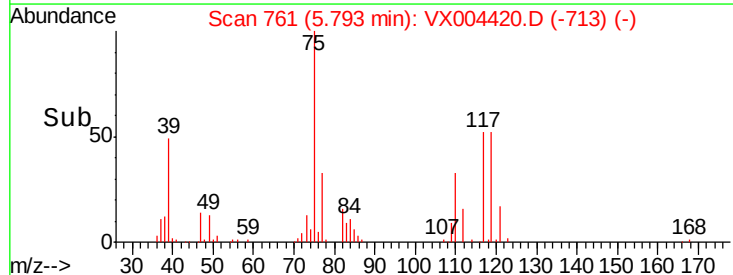
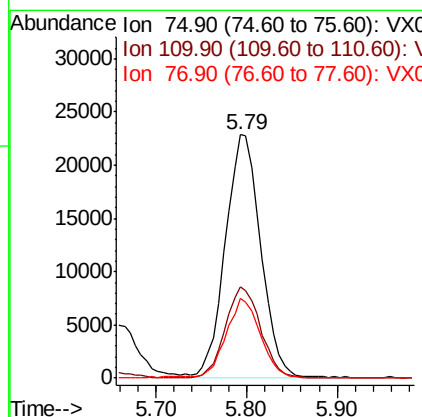
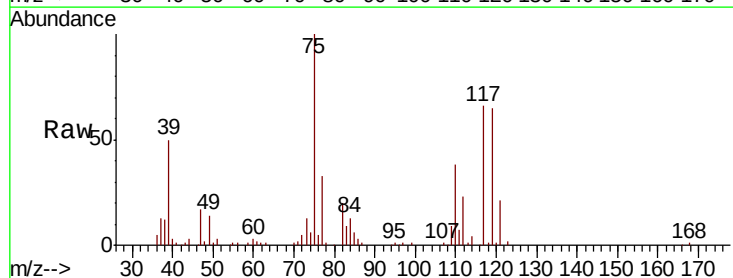
Manual Integrations
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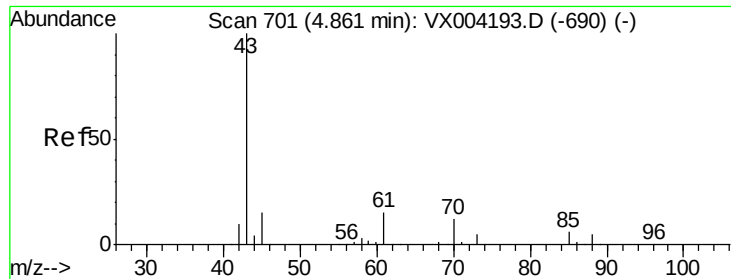
MMDadoda
 9/10/2018 11:15:33 AM



#36
 1,1-Dichloropropene
 Concen: 14.44 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX004420.D
 Acq: 07 Sep 2018 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	61683		
110	37.6	18.0	54.0	
77	32.2	24.6	36.8	





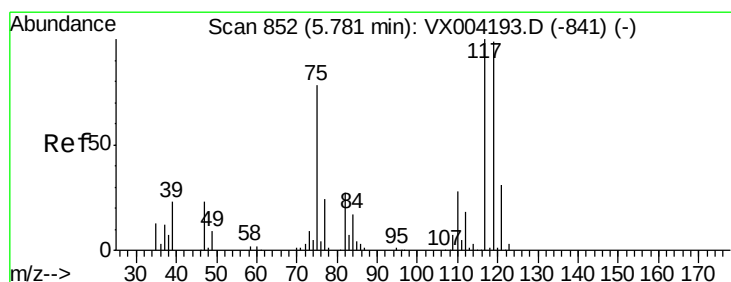
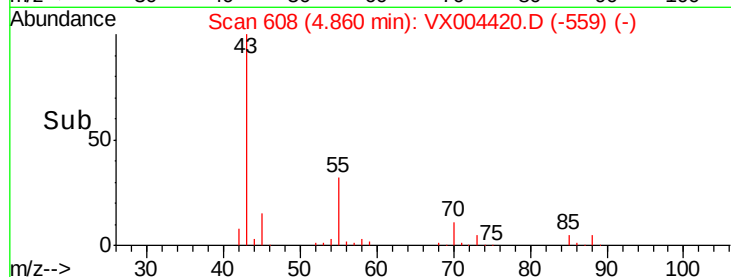
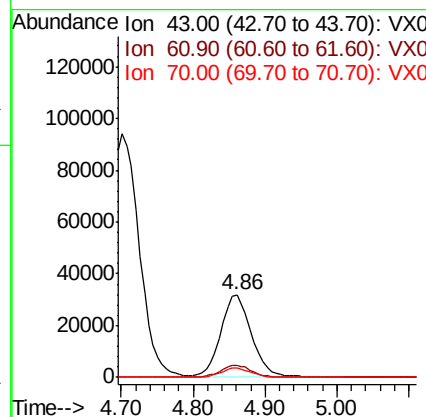
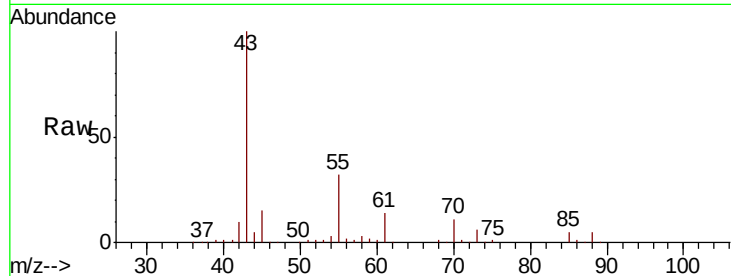
#37
Ethyl Acetate
Concen: 22.34 ug/l
RT: 4.86 min Scan# 608
Delta R.T. -0.00 min
Lab File: VX004420.D
Acq: 07 Sep 2018 20:59

Instrument :
MSVOA_X
ClientSampleId :
VX0907WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.5	17.3
70	11.7	9.0	13.6

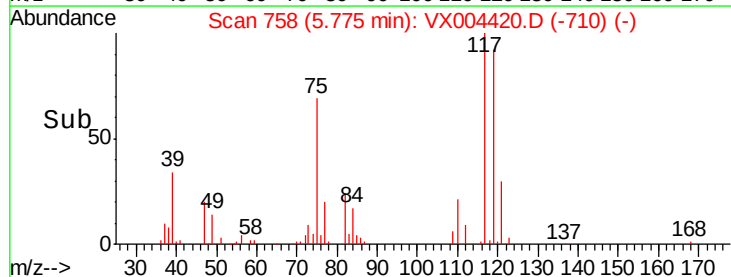
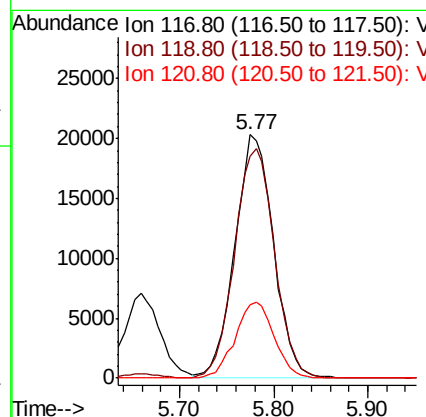
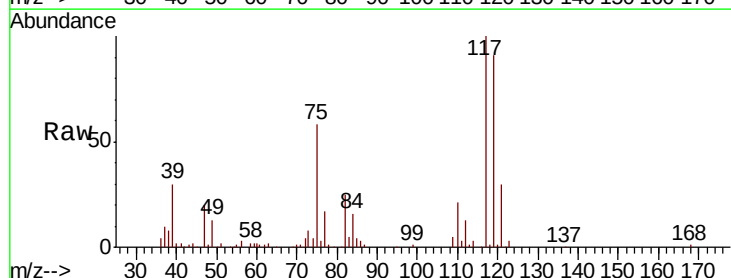
Manual Integrations
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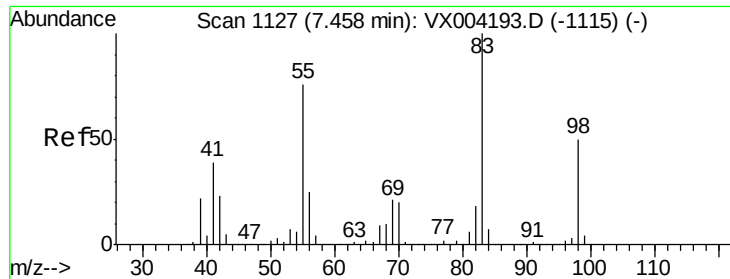
MMDadoda
9/10/2018 11:15:33 AM



#38
Carbon Tetrachloride
Concen: 14.49 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX004420.D
Acq: 07 Sep 2018 20:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.0	78.8	118.2
121	30.0	24.9	37.3





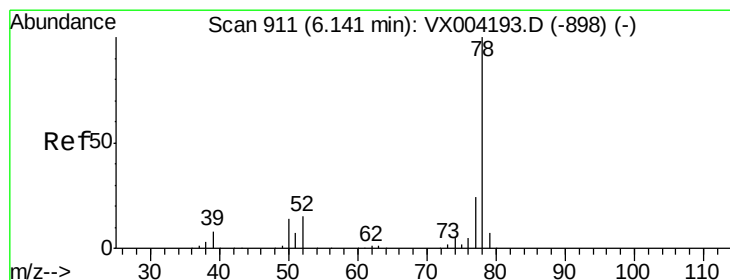
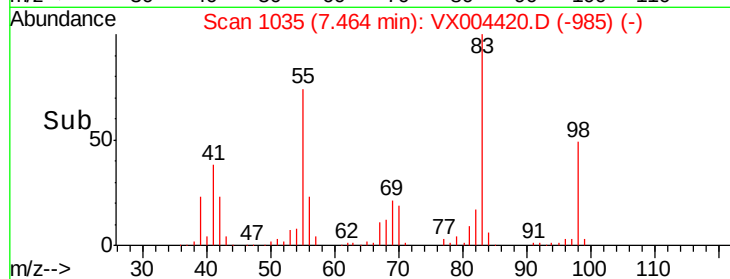
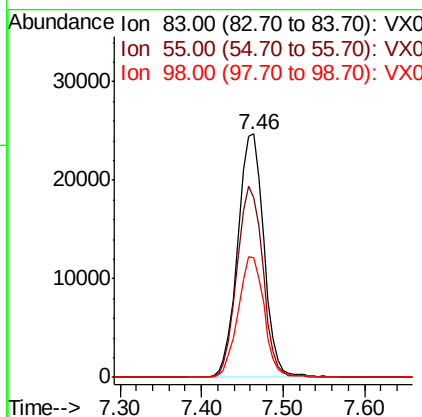
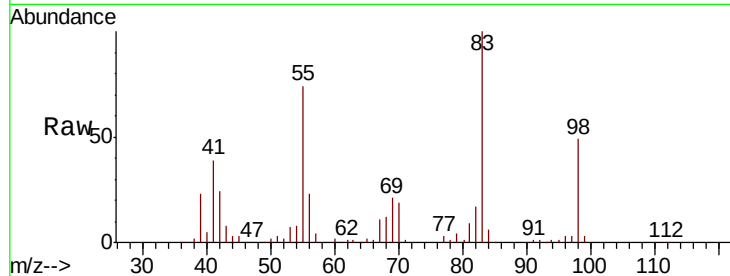
#39
Methylvlcyclohexane
Concen: 11.25 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX004420.D
Acq: 07 Sep 2018 20:59

Instrument :
MSVOA_X
ClientSampleId :
VX0907WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.7	61.0	91.4
98	48.8	39.6	59.4

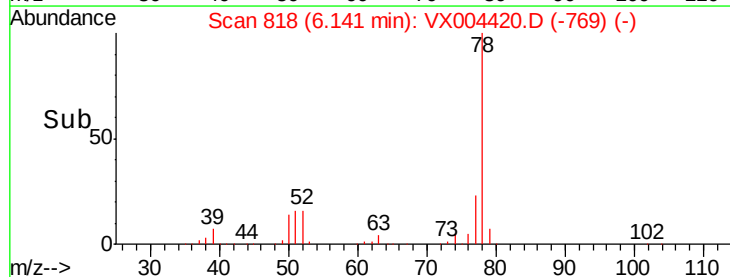
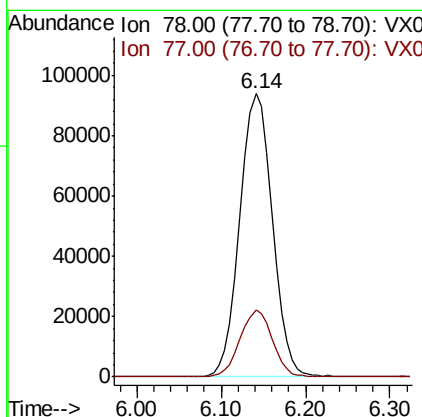
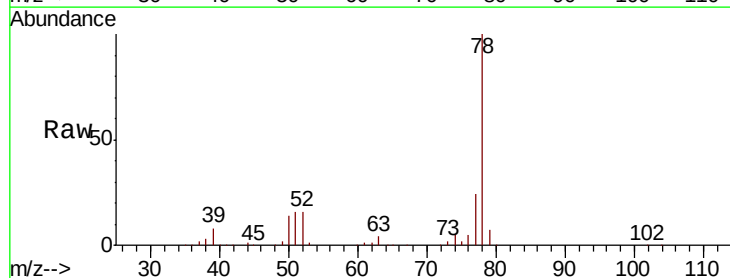
Manual Integrations
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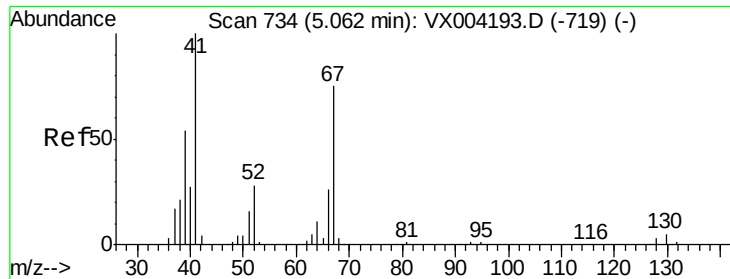
MMDadoda
9/10/2018 11:15:33 AM



#40
Benzene
Concen: 19.30 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX004420.D
Acq: 07 Sep 2018 20:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.4





#41

Methacrylonitrile

Concen: 23.09 ug/l

RT: 5.06 min Scan# 641

Delta R.T. -0.00 min

Lab File: VX004420.D

Acq: 07 Sep 2018 20:59

Instrument :

MSVOA_X

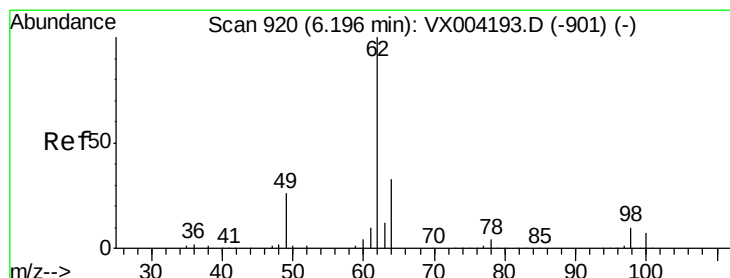
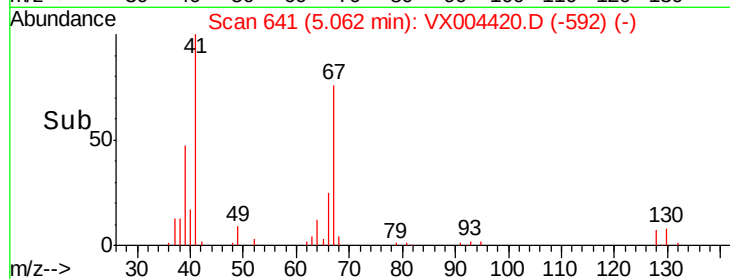
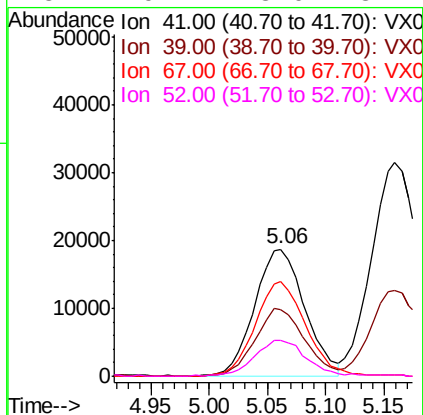
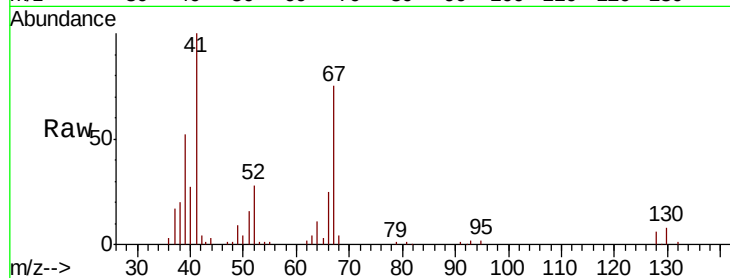
ClientSampleId :

VX0907WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.3	42.4	63.6
67	75.1	59.2	88.8
52	29.4	23.0	34.4

Manual Integrations
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9/10/2018 11:15:33 AM



#42

1,2-Dichloroethane

Concen: 21.19 ug/l

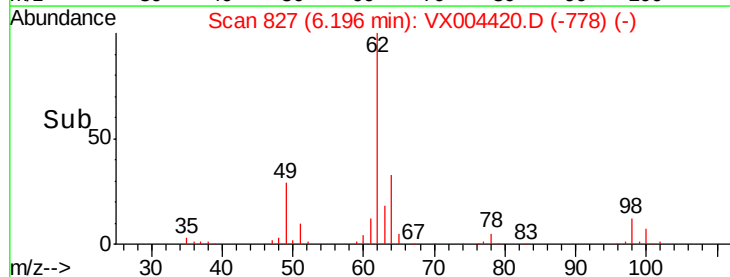
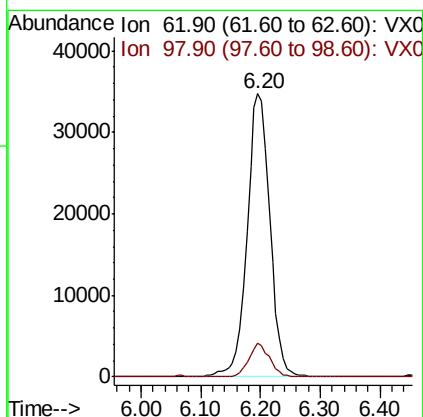
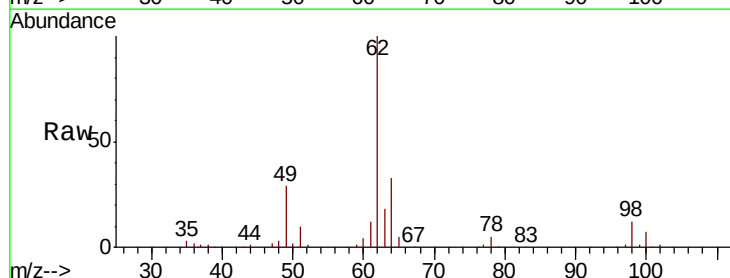
RT: 6.20 min Scan# 827

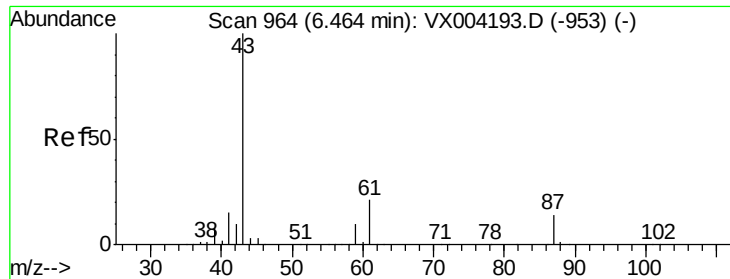
Delta R.T. -0.00 min

Lab File: VX004420.D

Acq: 07 Sep 2018 20:59

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	20.6





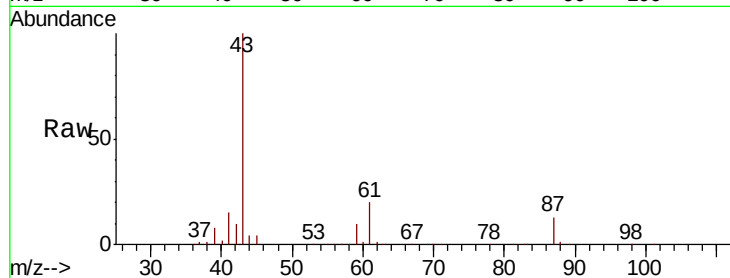
#43
Isopropyl Acetate
Concen: 22.49 ug/l
RT: 6.46 min Scan# 871
Delta R.T. -0.00 min
Lab File: VX004420.D
Acq: 07 Sep 2018 20:59

Instrument :
MSVOA_X
ClientSampleId :
VX0907WBSD01

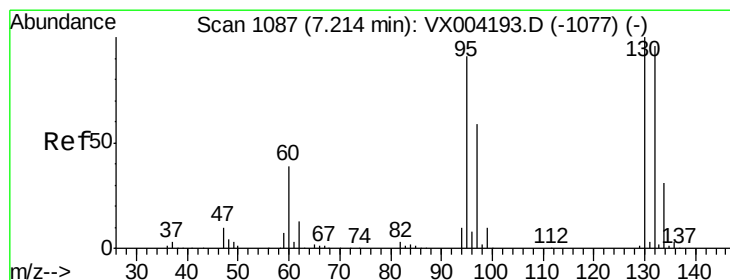
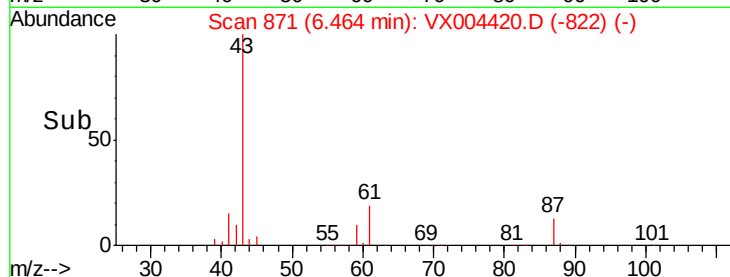
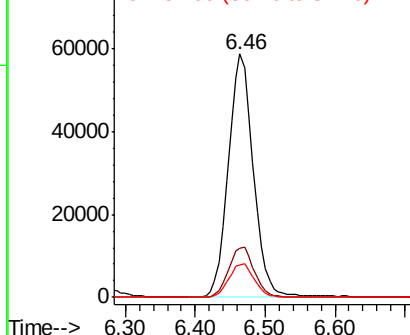
Tot Ion	Ratio	Lower	Upper
43	100		
61	21.6	17.0	25.4
87	14.3	11.4	17.2

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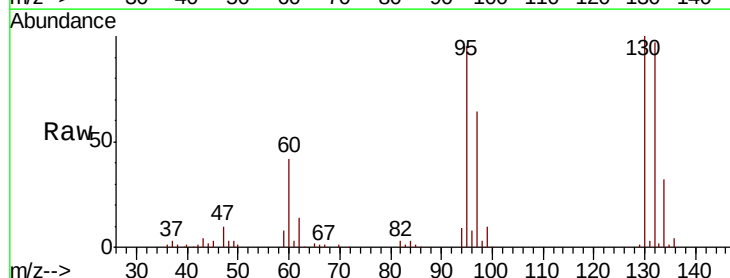


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 87.00 (86.70 to 87.70): VX0

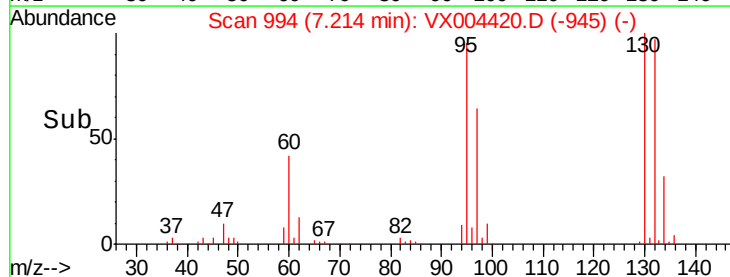
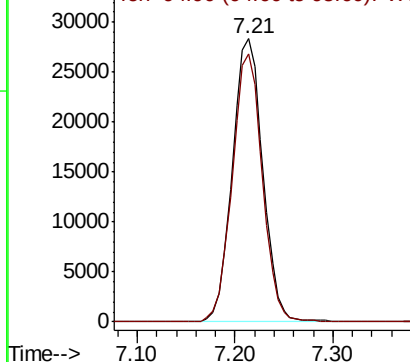


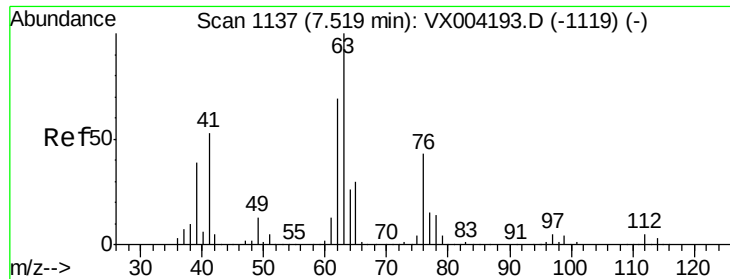
#44
Trichloroethene
Concen: 17.34 ug/l
RT: 7.21 min Scan# 994
Delta R.T. -0.00 min
Lab File: VX004420.D
Acq: 07 Sep 2018 20:59

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.8	0.0	181.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0





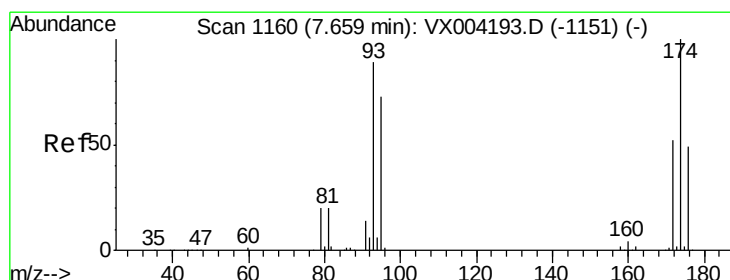
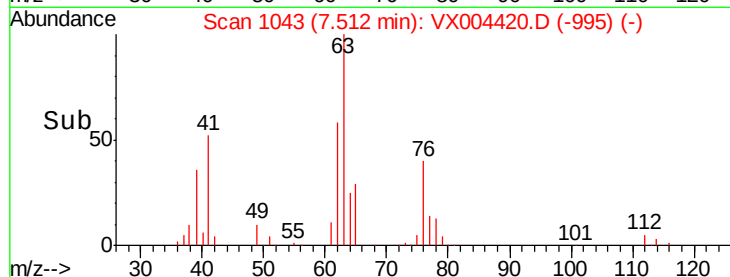
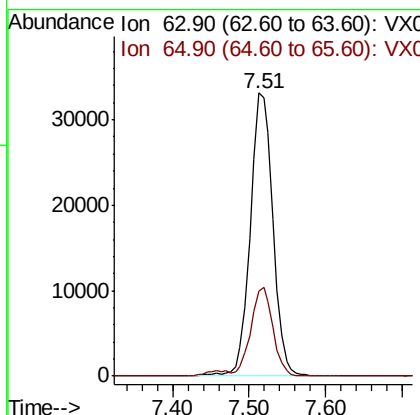
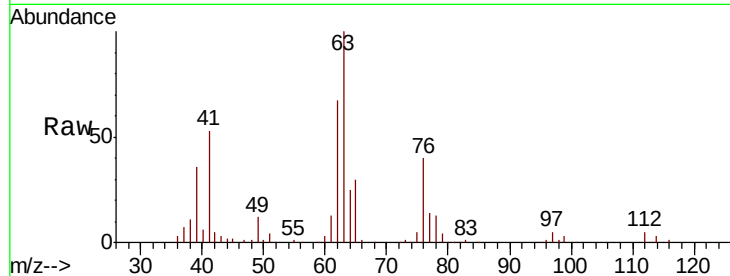
#45
 1,2-Dichloropropane
 Concen: 21.42 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: VX004420.D
 Acq: 07 Sep 2018 20:59

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0907WBSD01

Tot Ion: 63 Resp: 68400
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.3 36.5

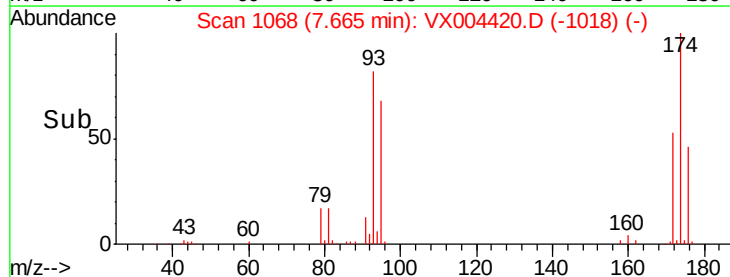
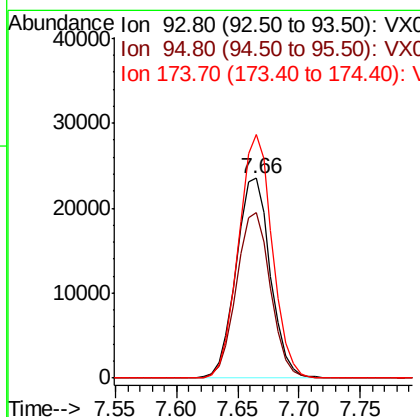
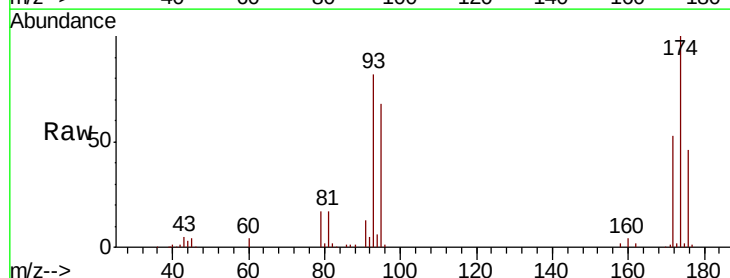
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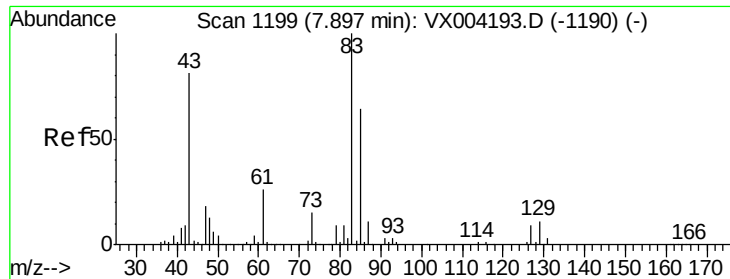
MMDadoda
 9/10/2018 11:15:33 AM



#46
 Dibromomethane
 Concen: 21.43 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.01 min
 Lab File: VX004420.D
 Acq: 07 Sep 2018 20:59

Tgt Ion: 93 Resp: 45576
 Ion Ratio Lower Upper
 93 100
 95 82.7 65.5 98.3
 174 120.1 94.2 141.4





#47

Bromodichloromethane

Concen: 21.06 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VX004420.D

Acq: 07 Sep 2018 20:59

Instrument :

MSVOA_X

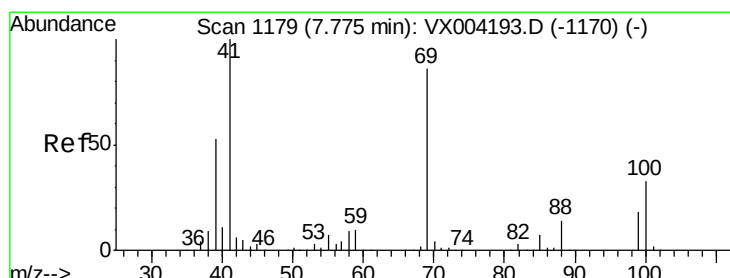
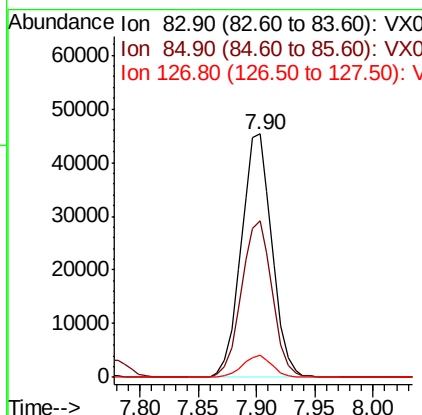
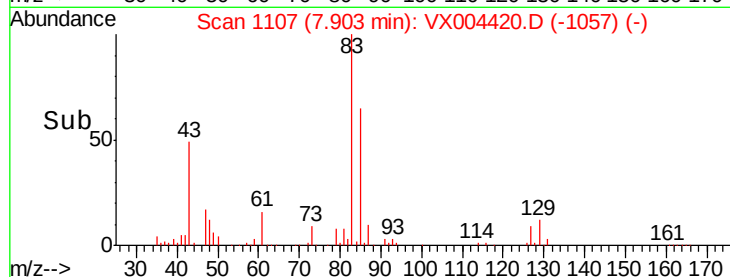
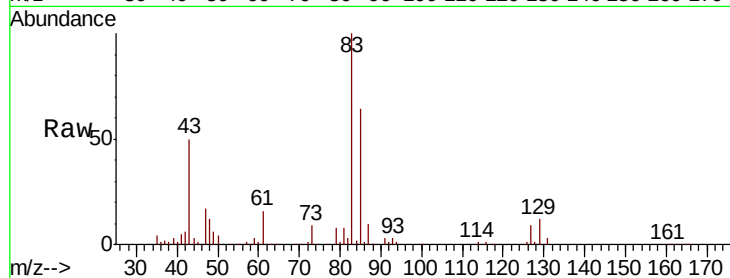
ClientSampleId :

VX0907WBSD01

Tot Ion:	83	Resp:	83333
Ion Ratio	Lower	Upper	
83	100		
85	64.5	50.9	76.3
127	8.9	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 22.63 ug/l

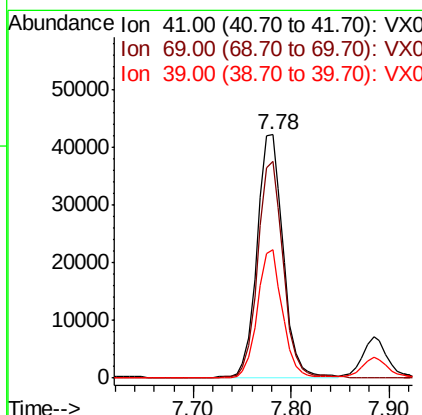
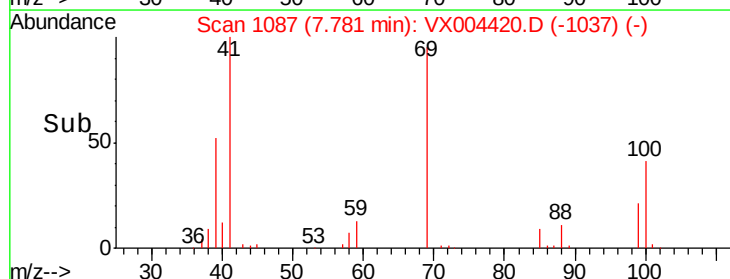
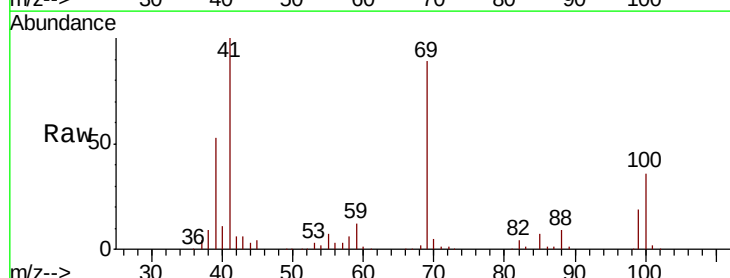
RT: 7.78 min Scan# 1087

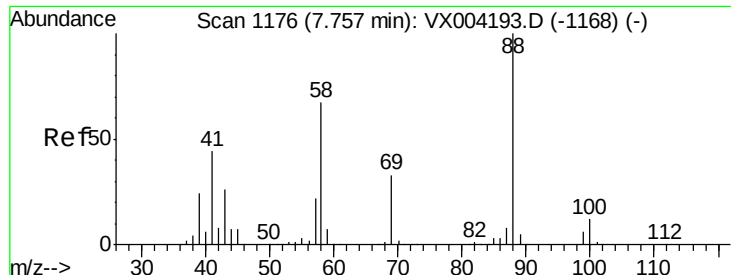
Delta R.T. 0.01 min

Lab File: VX004420.D

Acq: 07 Sep 2018 20:59

Tgt Ion:	41	Resp:	78150
Ion Ratio	Lower	Upper	
41	100		
69	88.0	70.2	105.4
39	51.4	42.7	64.1





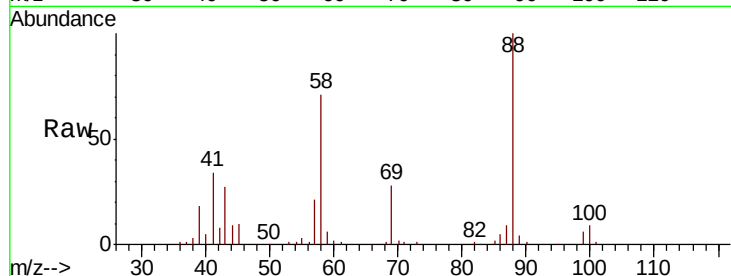
#49
1,4-Dioxane
Concen: 501.67 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX004420.D
Acq: 07 Sep 2018 20:59

Instrument :
MSVOA_X
ClientSampleId :
VX0907WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.0	24.7	37.1
58	69.8	55.3	82.9

Manual Integrations
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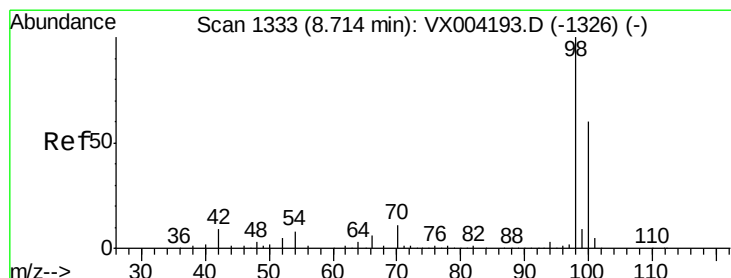
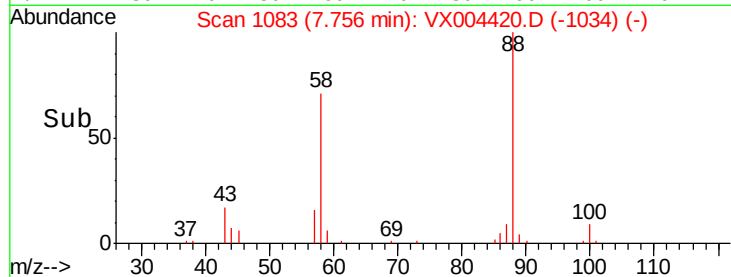
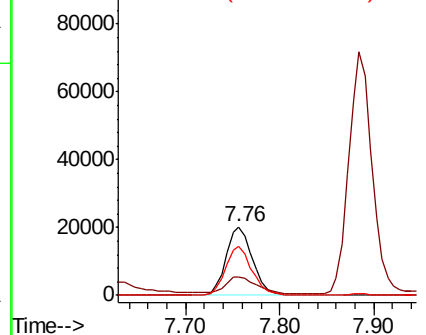


Abundance

Ion 88.00 (87.70 to 88.70): VX0

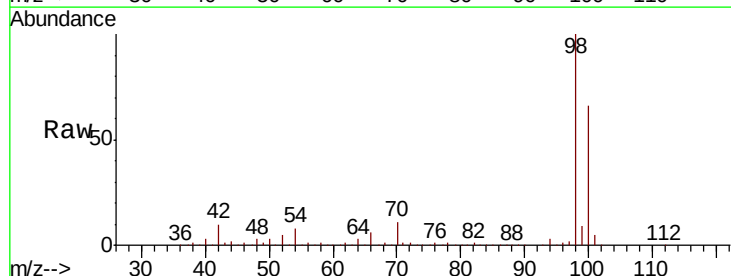
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 50.45 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX004420.D
Acq: 07 Sep 2018 20:59

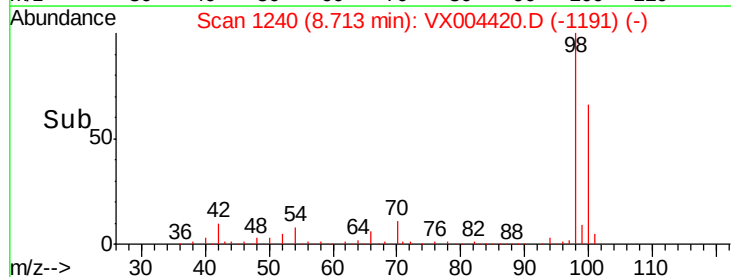
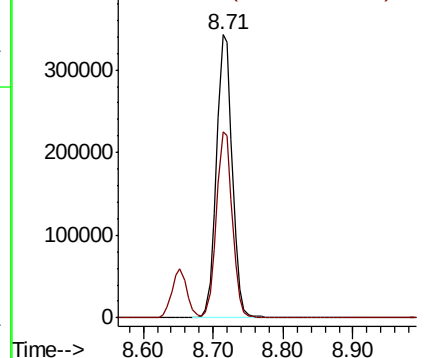
Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.5	52.9	79.3

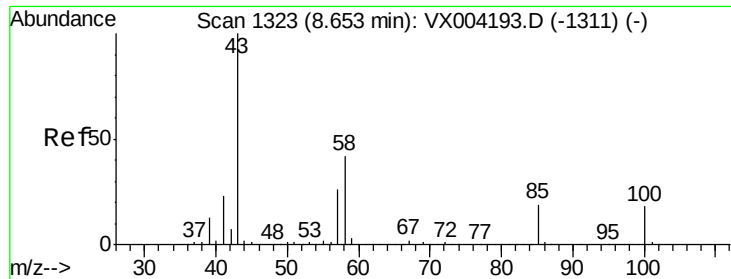


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 111.49 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VX004420.D

Acq: 07 Sep 2018 20:59

Instrument :

MSVOA_X

ClientSampled :

VX0907WBSD01

Tot Ion: 43 Resp: 522848

Ion Ratio Lower Upper

43 100

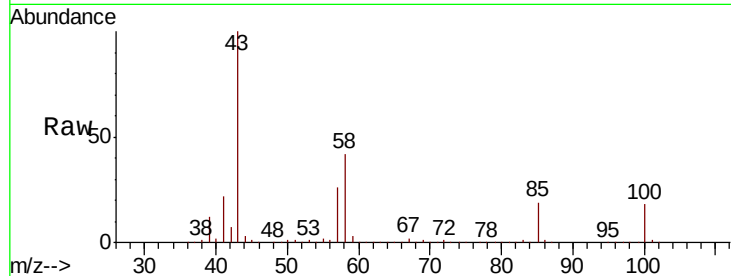
58 41.2 33.1 49.7

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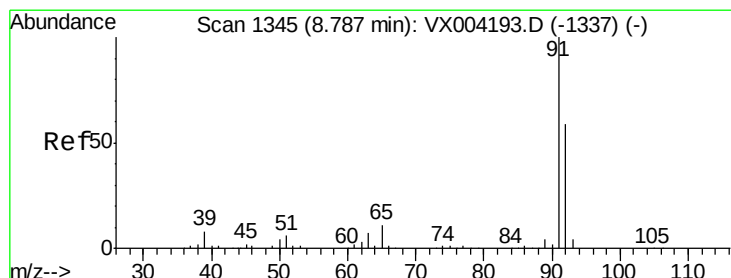
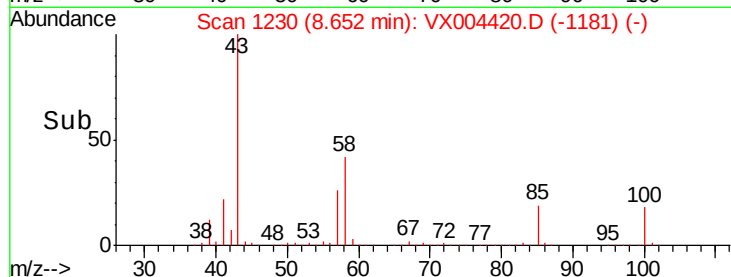
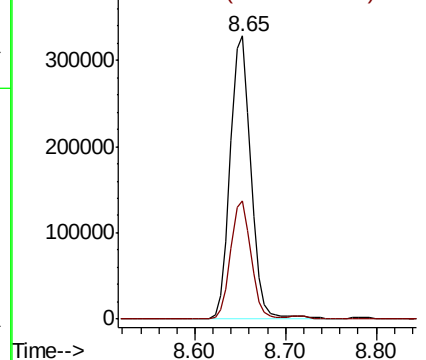
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 18.98 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX004420.D

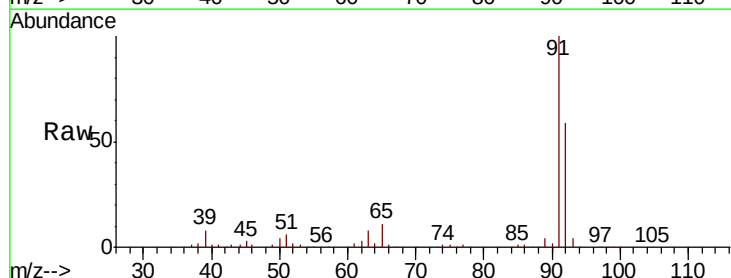
Acq: 07 Sep 2018 20:59

Tgt Ion: 92 Resp: 151584

Ion Ratio Lower Upper

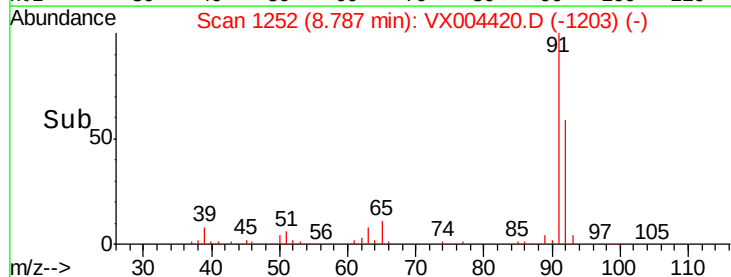
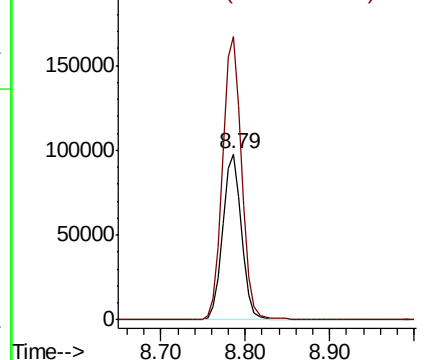
92 100

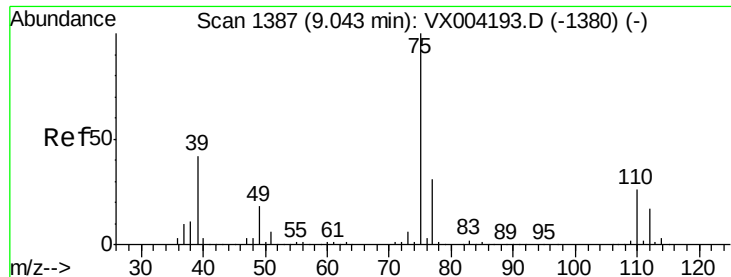
91 173.0 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





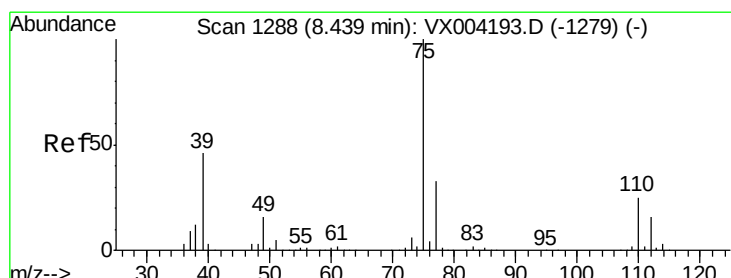
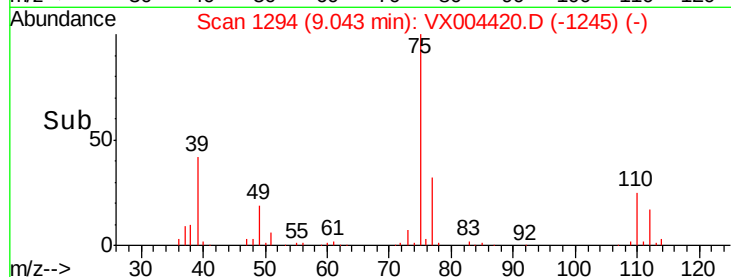
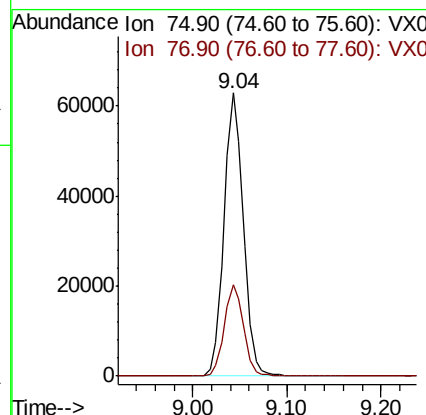
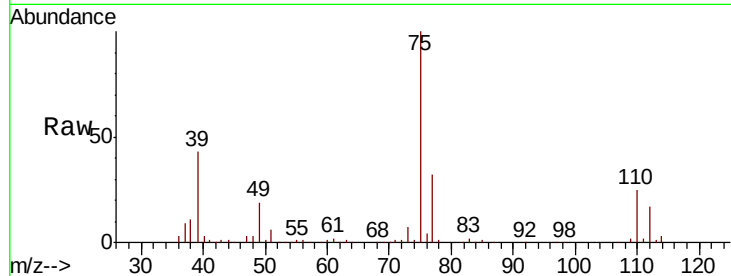
#53
t-1,3-Dichloropropene
Concen: 20.47 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX004420.D
Acq: 07 Sep 2018 20:59

Instrument :
MSVOA_X
ClientSampleId :
VX0907WBSD01

Tot Ion: 75 Resp: 89453
Ion Ratio Lower Upper
75 100
77 32.0 24.6 37.0

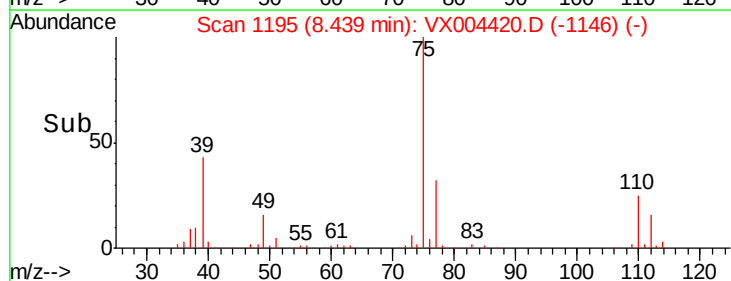
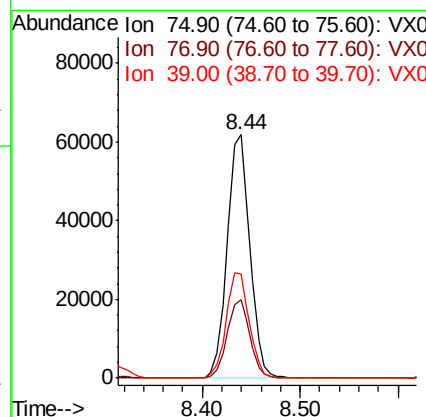
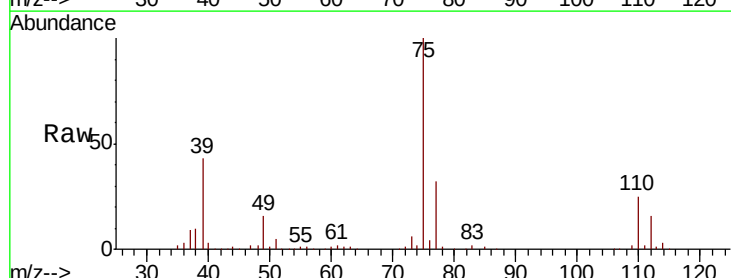
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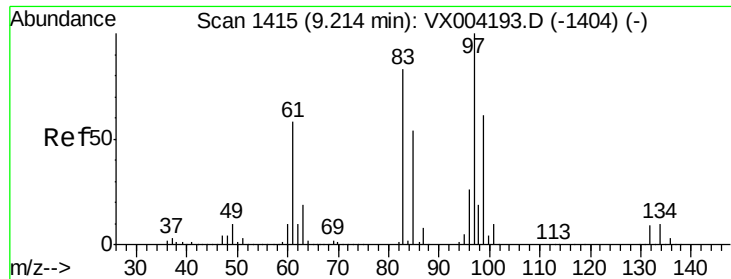
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#54
cis-1,3-Dichloropropene
Concen: 20.93 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. -0.00 min
Lab File: VX004420.D
Acq: 07 Sep 2018 20:59

Tgt Ion: 75 Resp: 99668
Ion Ratio Lower Upper
75 100
77 32.2 26.2 39.2
39 42.6 36.4 54.6





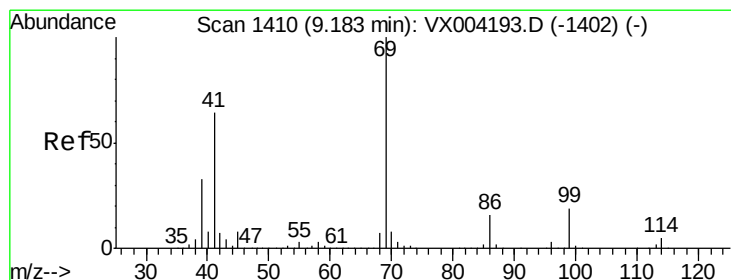
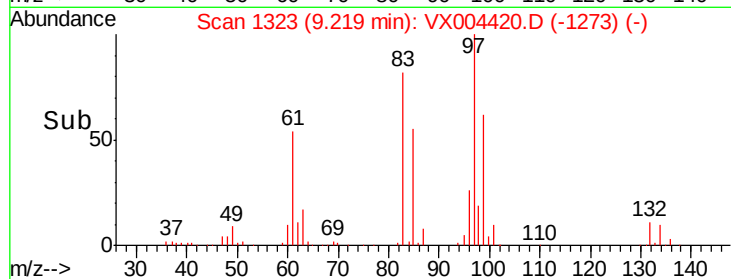
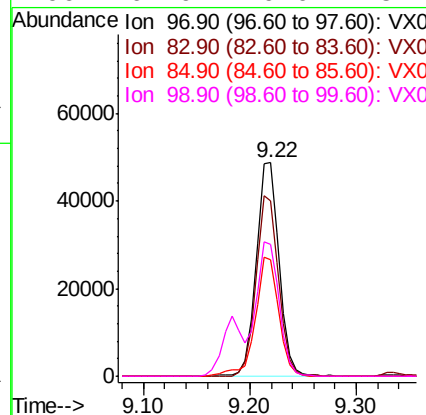
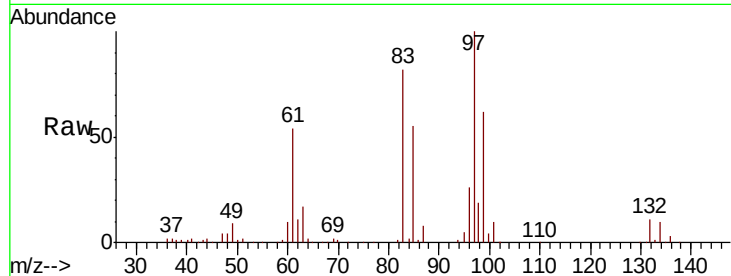
#55
 1,1,2-Trichloroethane
 Concen: 22.72 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VX004420.D
 Acq: 07 Sep 2018 20:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907WBSD01

Tot Ion	97	Resp	73260
Ion	Ratio	Lower	Upper
97	100		
83	82.3	66.4	99.6
85	54.8	43.3	64.9
99	61.9	49.0	73.4

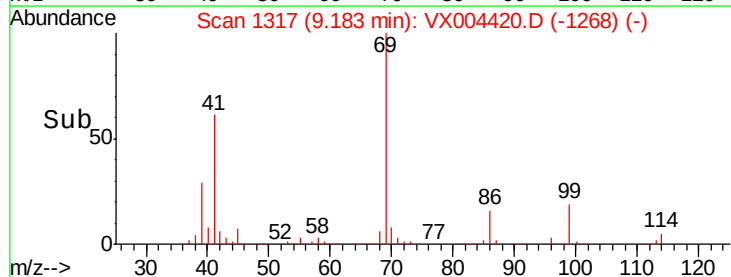
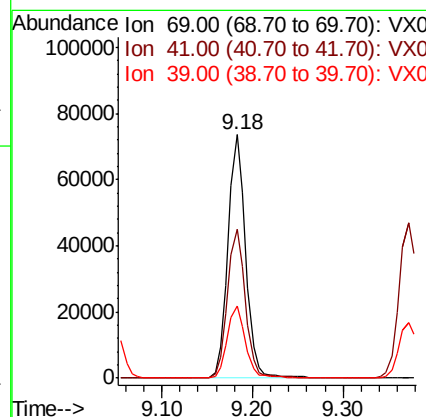
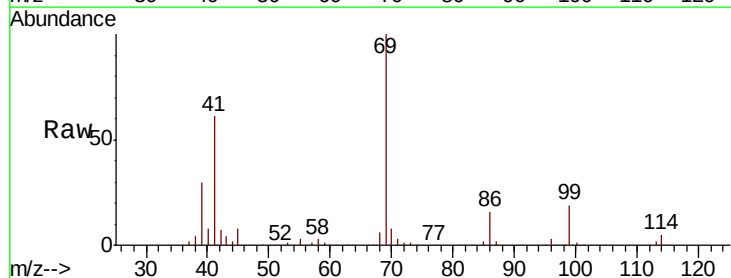
Manual Integrations
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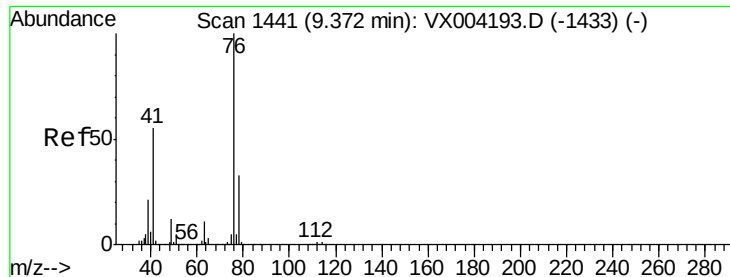
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#56
 Ethyl methacrylate
 Concen: 22.80 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX004420.D
 Acq: 07 Sep 2018 20:59

Tgt Ion	69	Resp	100108
Ion	Ratio	Lower	Upper
69	100		
41	62.0	51.0	76.4
39	30.1	26.1	39.1





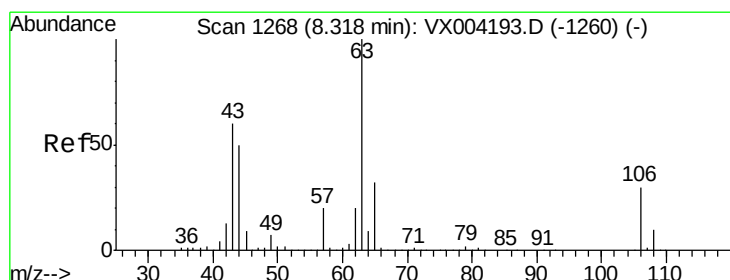
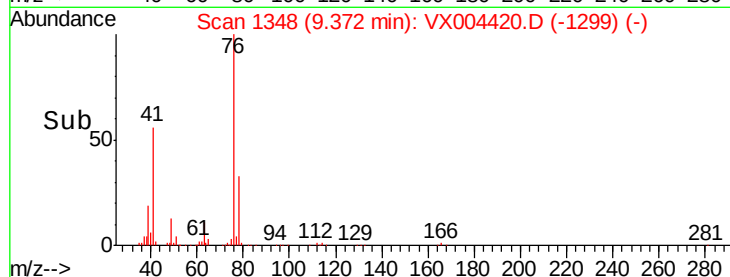
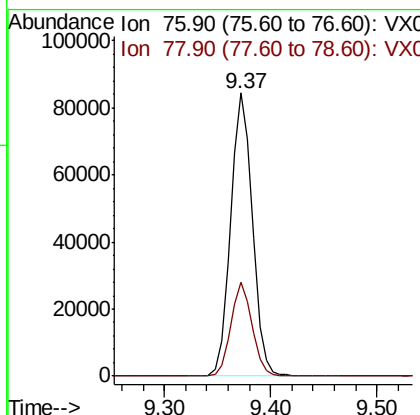
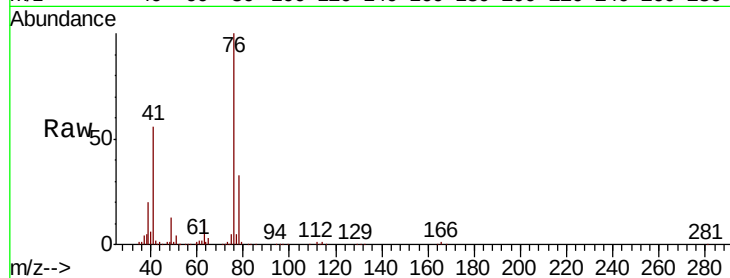
#57
 1,3-Dichloropropane
 Concen: 22.33 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX004420.D
 Acq: 07 Sep 2018 20:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.5	38.3

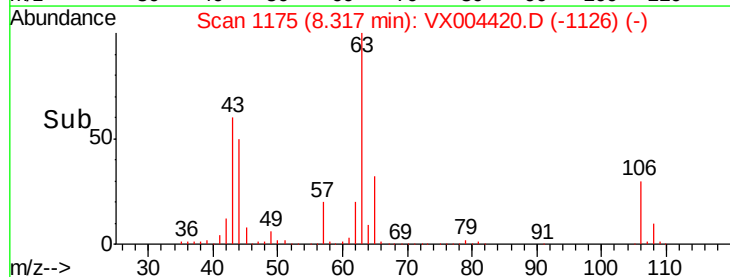
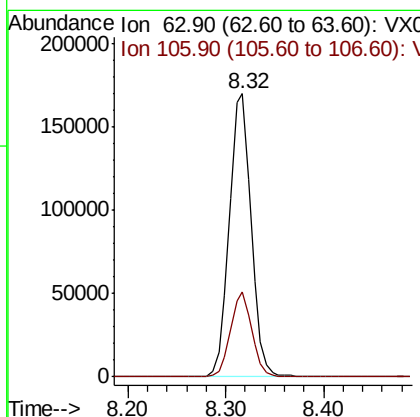
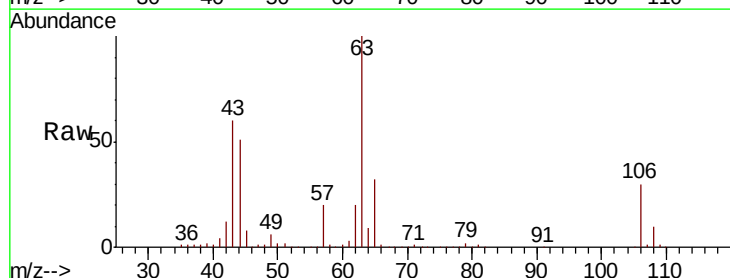
Manual Integrations
 APPROVED

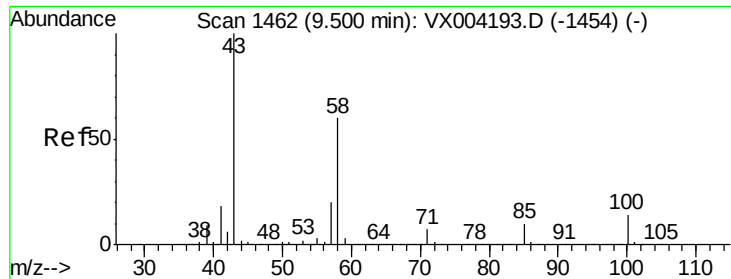
MMDadoda
 9/10/2018 11:15:33 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 117.21 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: VX004420.D
 Acq: 07 Sep 2018 20:59

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.3	23.9	35.9





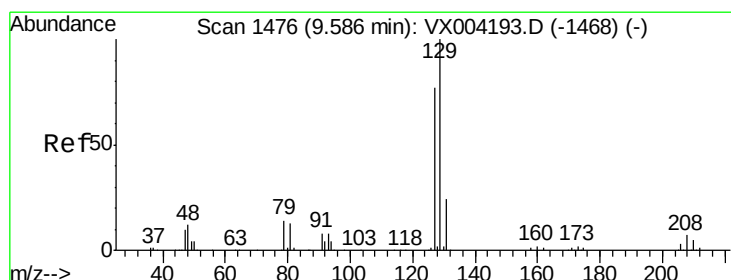
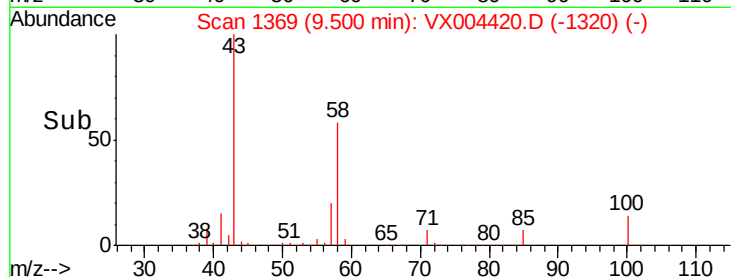
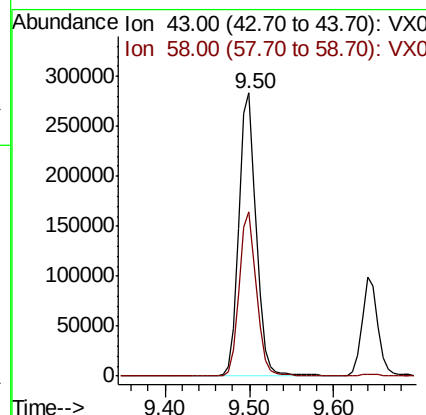
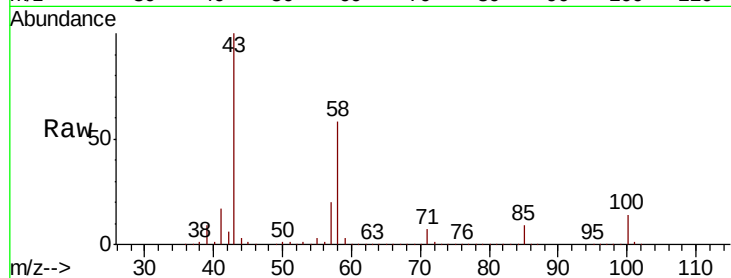
#59
2-Hexanone
Concen: 110.21 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX004420.D
Acq: 07 Sep 2018 20:59

Instrument :
MSVOA_X
ClientSampleId :
VX0907WBSD01

Tot Ion: 43 Resp: 394306
Ion Ratio Lower Upper
43 100
58 57.9 29.0 87.0

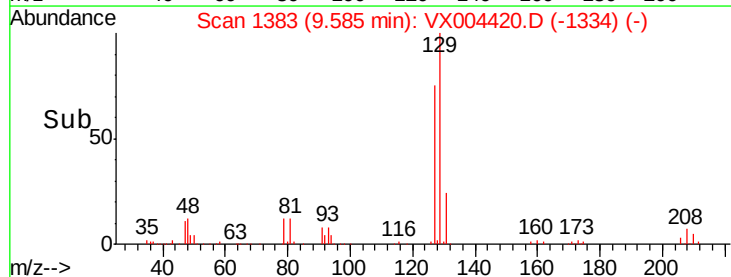
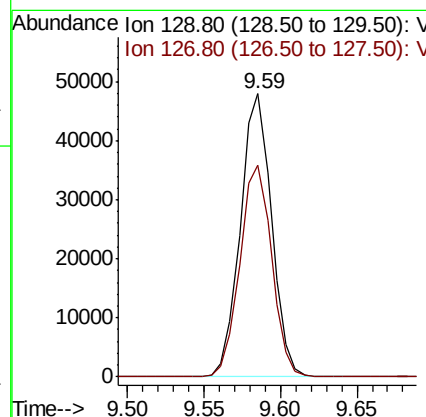
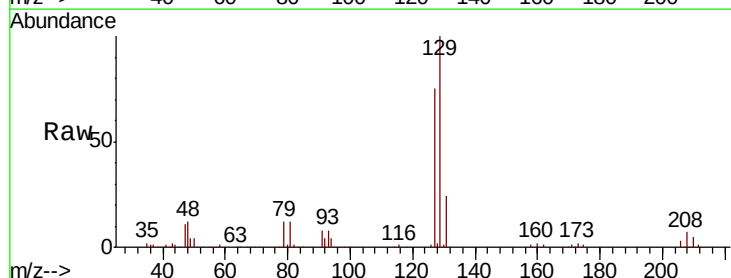
Manual Integrations
APPROVED

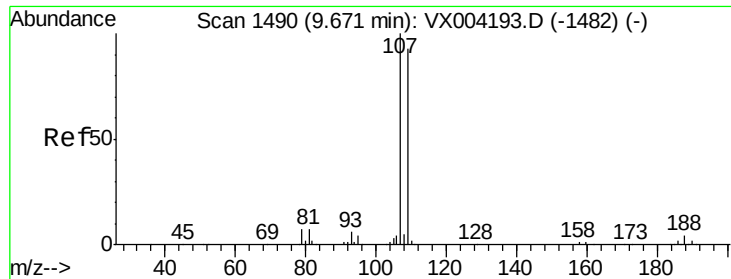
MMDadoda
9/10/2018 11:15:33 AM



#60
Dibromochloromethane
Concen: 21.56 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX004420.D
Acq: 07 Sep 2018 20:59

Tgt Ion: 129 Resp: 67752
Ion Ratio Lower Upper
129 100
127 76.2 38.5 115.5





#61

1,2-Dibromoethane

Concen: 21.90 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX004420.D

Acq: 07 Sep 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

VX0907WBSD01

Tot Ion:107 Resp: 73069

Ion Ratio Lower Upper

107 100

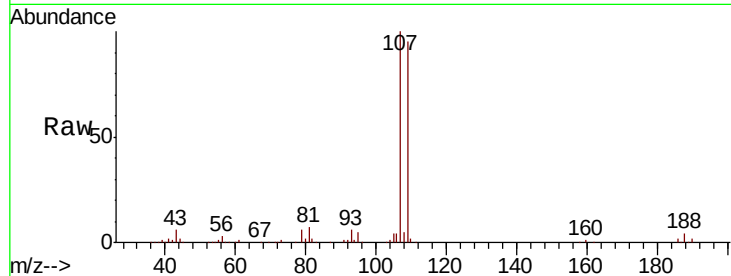
109 95.1 76.0 114.0

Manual Integrations

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MMDadoda

9/10/2018 11:15:33 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

60000

50000

40000

30000

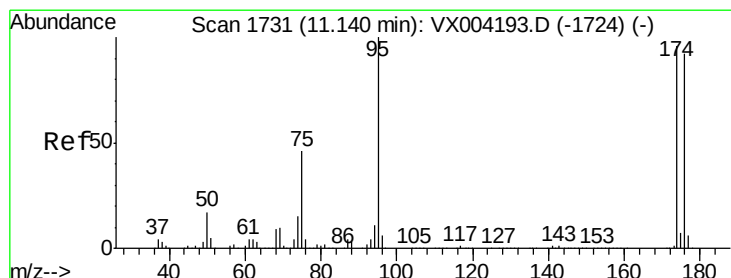
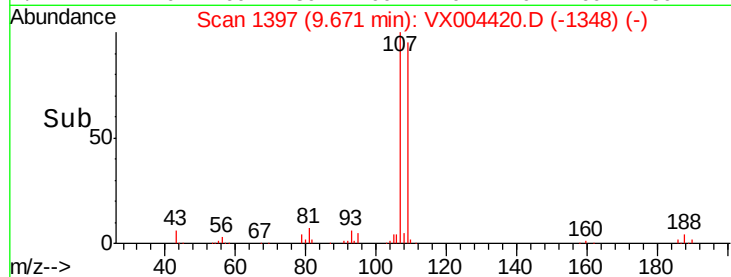
20000

10000

0

Time-->

9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 55.11 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004420.D

Acq: 07 Sep 2018 20:59

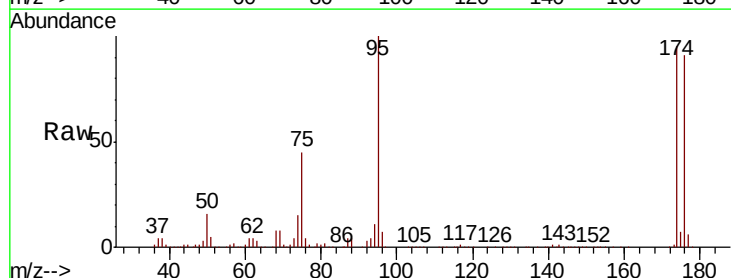
Tgt Ion: 95 Resp: 219356

Ion Ratio Lower Upper

95 100

174 91.3 0.0 185.2

176 87.7 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

150000

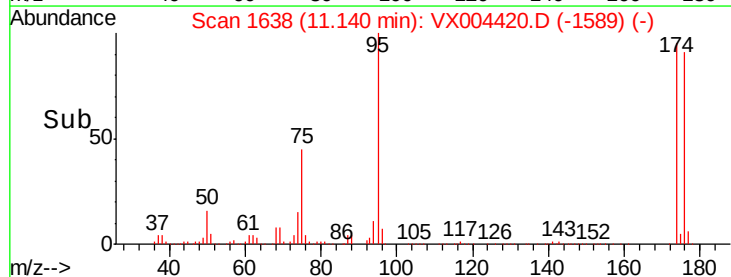
100000

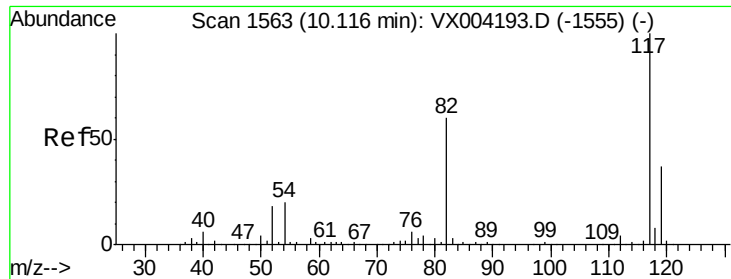
50000

0

Time-->

11.10 11.20





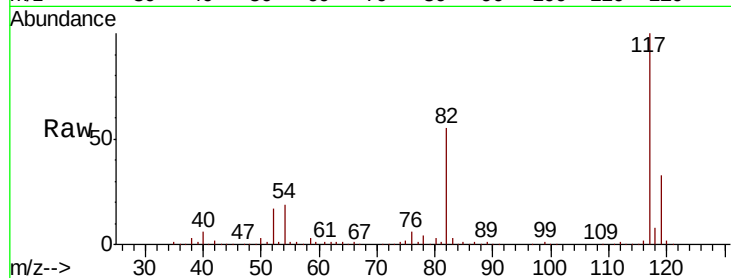
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004420.D
Acq: 07 Sep 2018 20:59

Instrument :
MSVOA_X
ClientSampleId :
VX0907WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.6	47.8	71.6
119	33.4	29.3	43.9

Manual Integrations
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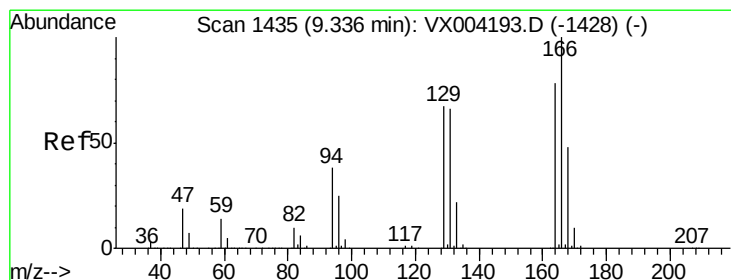
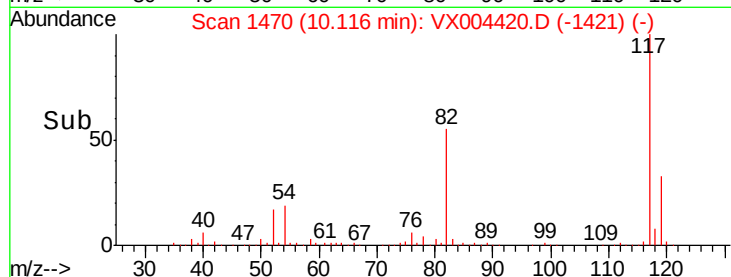
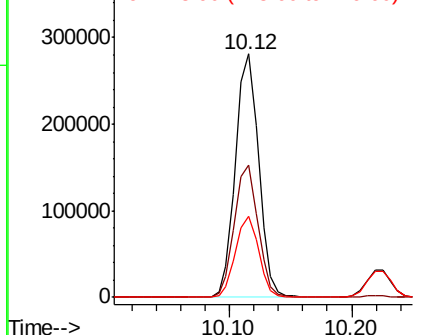


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 16.75 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX004420.D
Acq: 07 Sep 2018 20:59

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.9	102.8	154.2
129	88.7	69.4	104.0
131	84.6	67.9	101.9

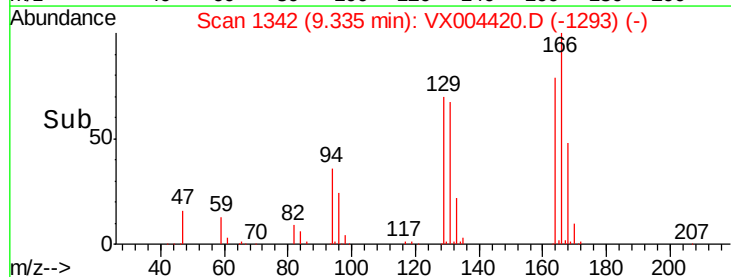
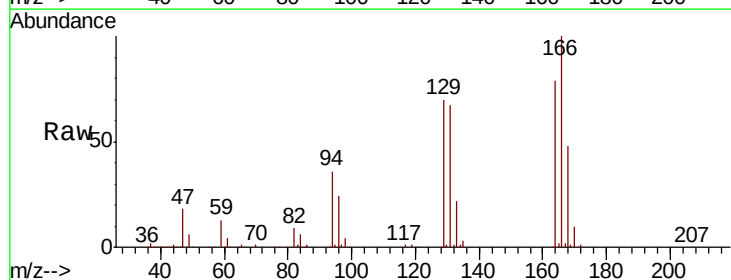
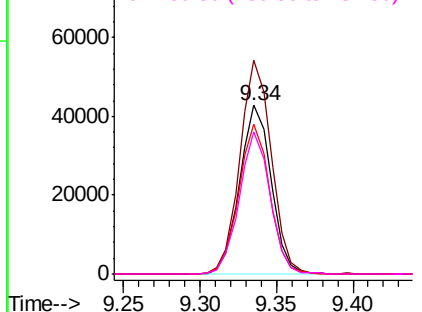
Abundance

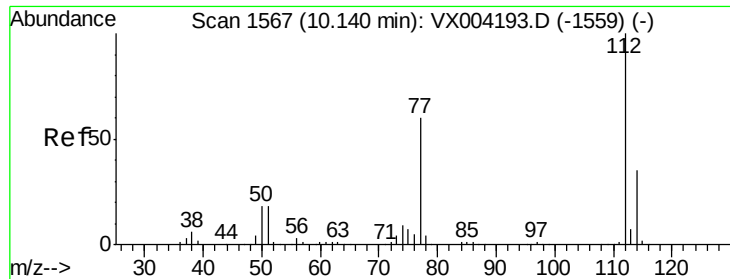
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





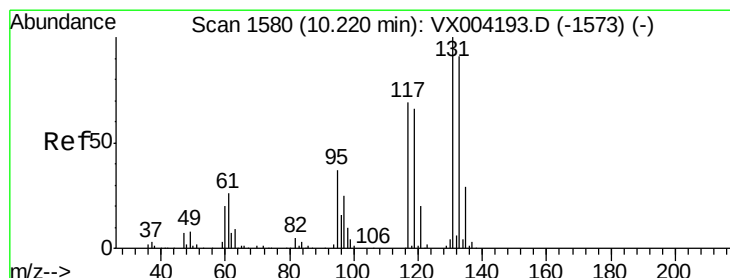
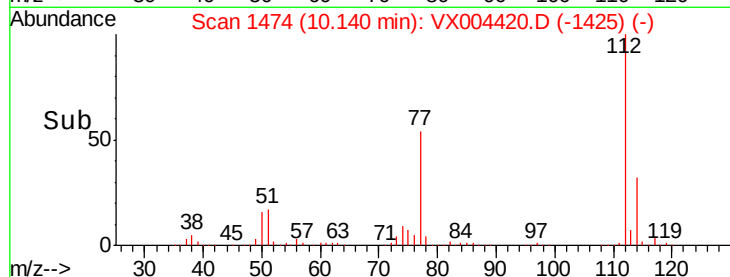
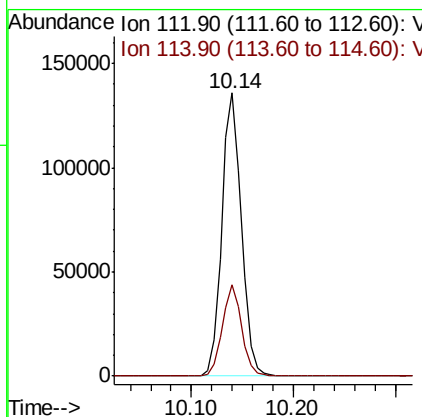
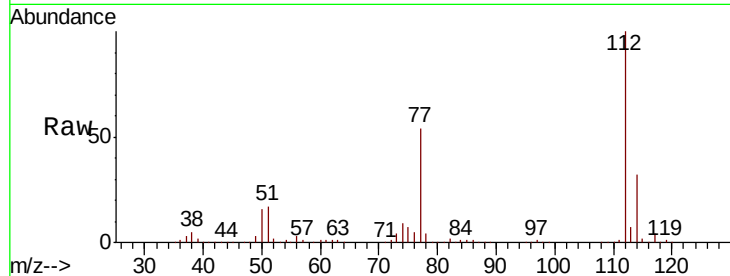
#65
Chlorobenzene
Concen: 19.58 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX004420.D
Acq: 07 Sep 2018 20:59

Instrument :
MSVOA_X
ClientSampleId :
VX0907WBSD01

Tot Ion:112 Resp: 181153
Ion Ratio Lower Upper
112 100
114 32.1 27.8 41.8

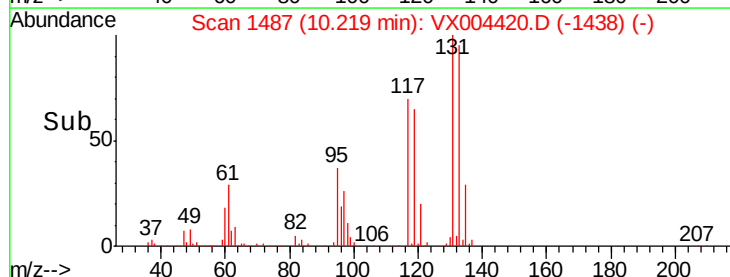
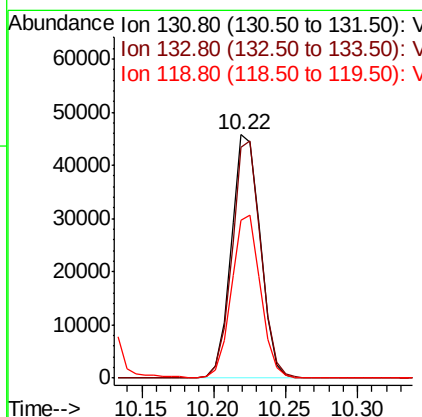
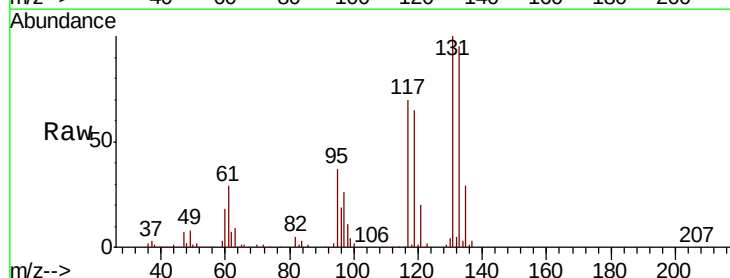
Manual Integrations
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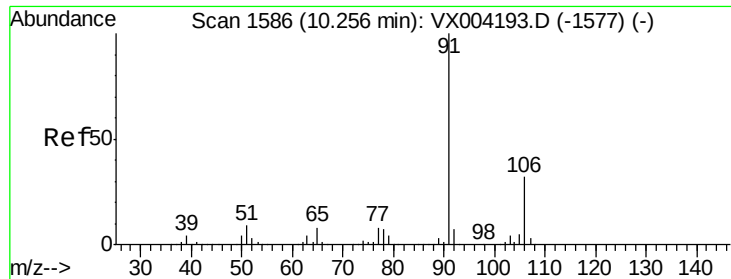
MMDadoda
9/10/2018 11:15:33 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.28 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX004420.D
Acq: 07 Sep 2018 20:59

Tgt Ion:131 Resp: 64734
Ion Ratio Lower Upper
131 100
133 96.1 48.1 144.4
119 66.8 32.9 98.6





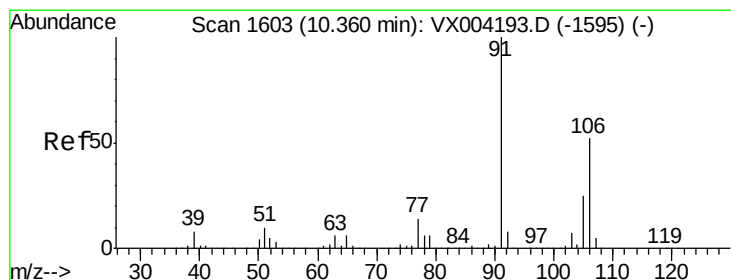
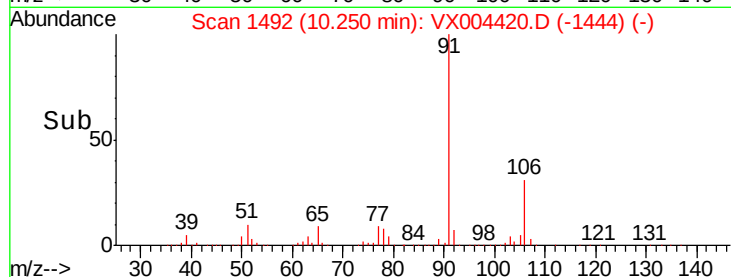
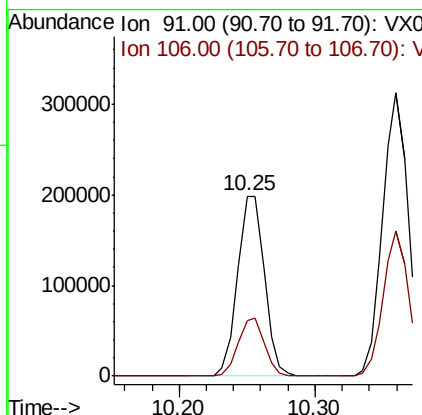
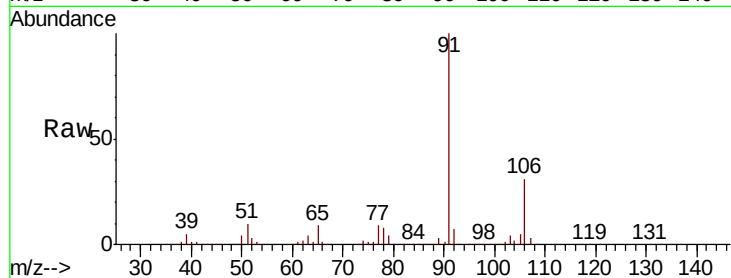
#67
Ethyl Benzene
Concen: 18.27 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VX004420.D
Acq: 07 Sep 2018 20:59

Instrument :
MSVOA_X
ClientSampled :
VX0907WBSD01

Tot Ion: 91 Resp: 274609
Ion Ratio Lower Upper
91 100
106 31.0 25.9 38.9

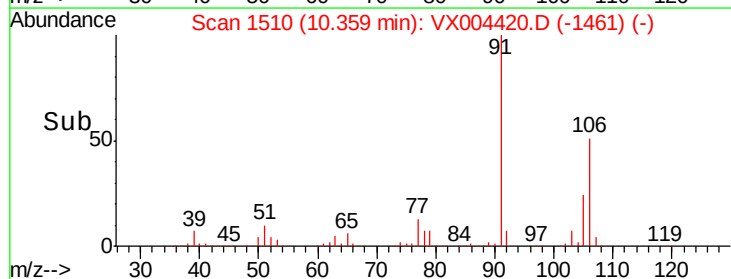
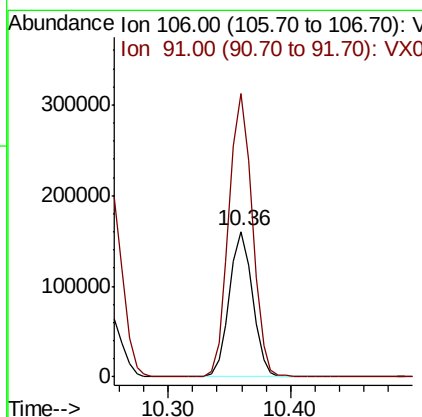
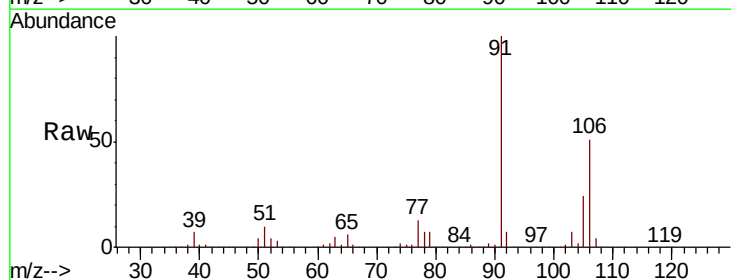
Manual Integrations
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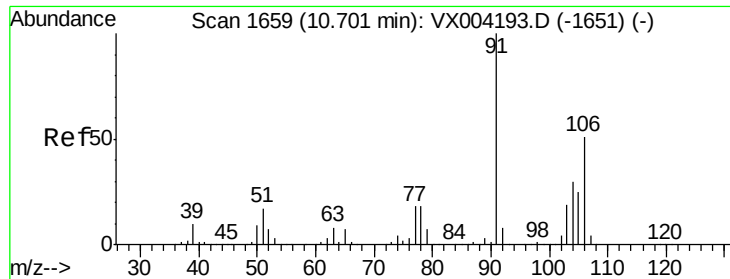
MMDadoda
9/10/2018 11:15:33 AM



#68
m/p-Xylenes
Concen: 35.74 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX004420.D
Acq: 07 Sep 2018 20:59

Tgt Ion: 106 Resp: 210029
Ion Ratio Lower Upper
106 100
91 198.0 157.1 235.7





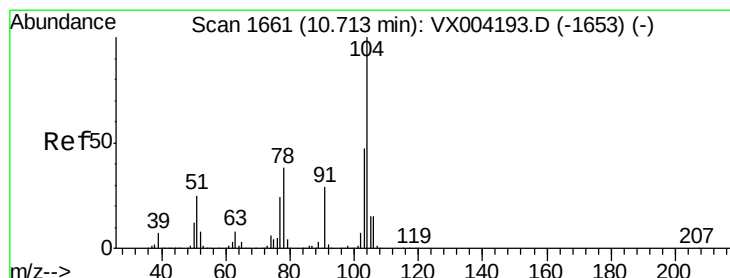
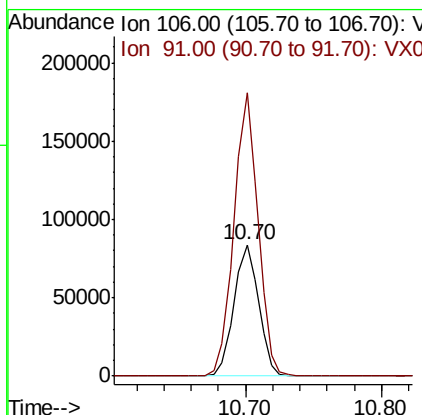
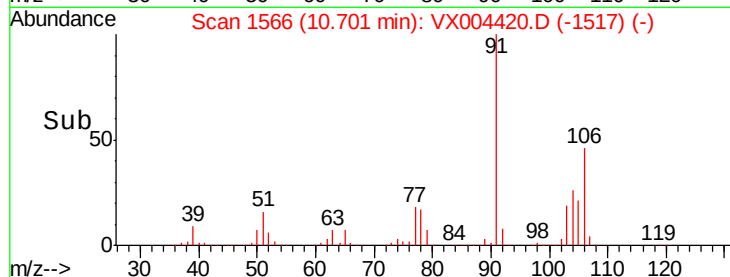
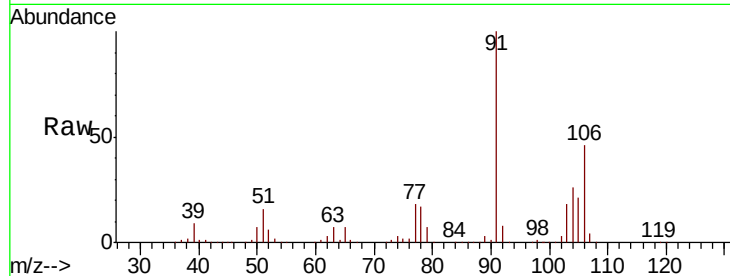
#69
o-Xylene
Concen: 19.23 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004420.D
Acq: 07 Sep 2018 20:59

Instrument :
MSVOA_X
ClientSampleId :
VX0907WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.7	105.1	315.1

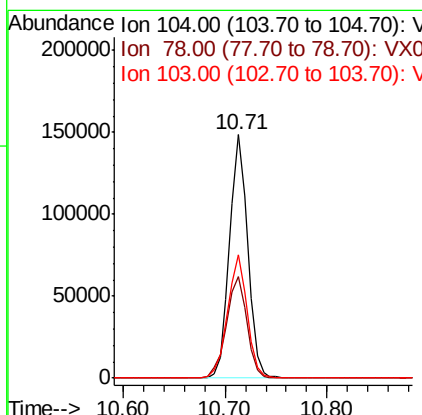
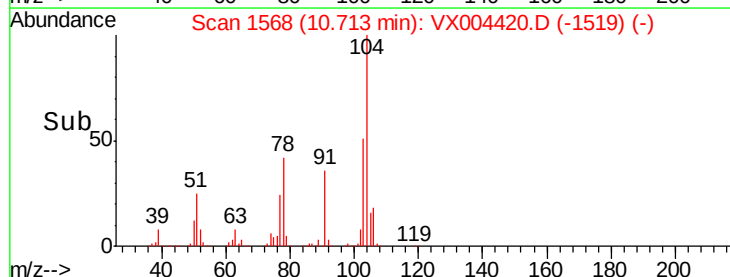
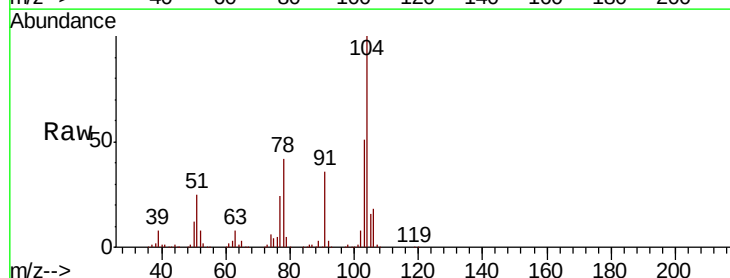
Manual Integrations
APPROVED

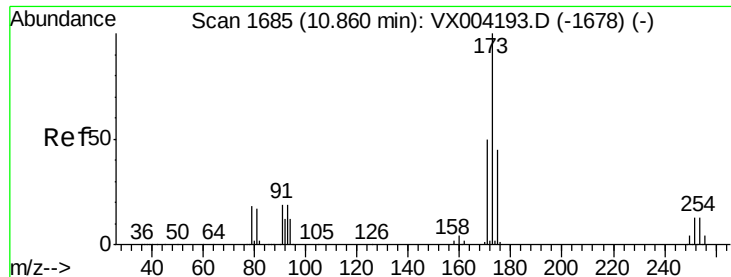
MMDadoda
9/10/2018 11:15:33 AM



#70
Styrene
Concen: 20.36 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX004420.D
Acq: 07 Sep 2018 20:59

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.1	37.4	56.0
103	54.8	43.8	65.6





#71

Bromoform

Concen: 20.07 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX004420.D

Acq: 07 Sep 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

VX0907WBSD01

Tot Ion:173 Resp: 51627

Ion Ratio Lower Upper

173 100

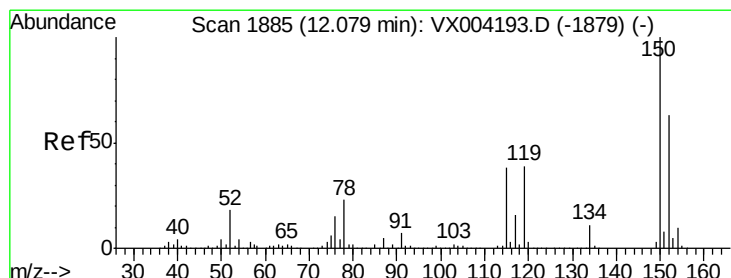
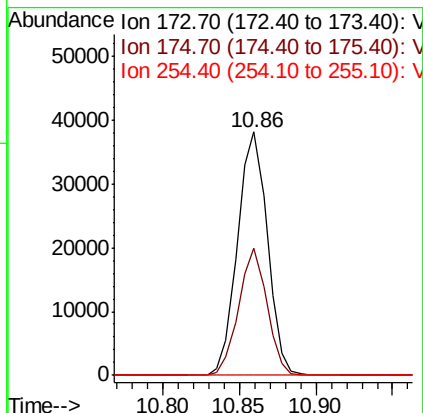
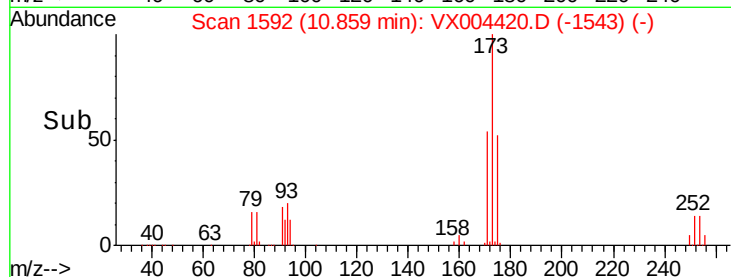
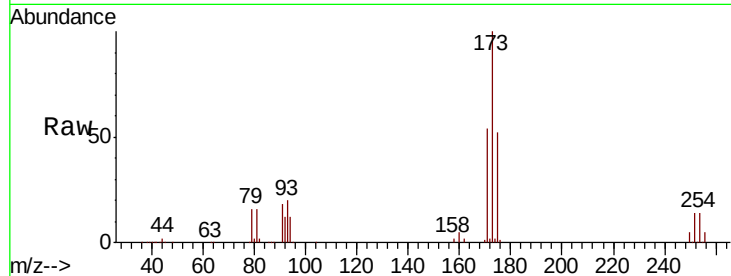
175 49.7 24.1 72.3

254 0.1 0.2 0.2#

Manual Integrations
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MMDadoda

9/10/2018 11:15:33 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004420.D

Acq: 07 Sep 2018 20:59

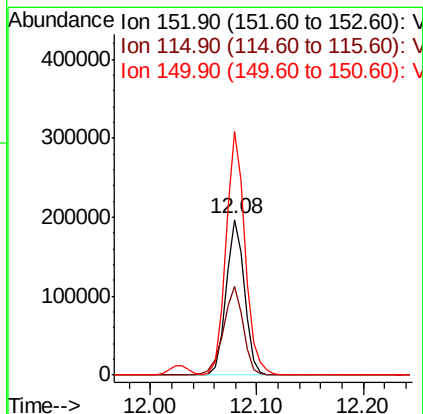
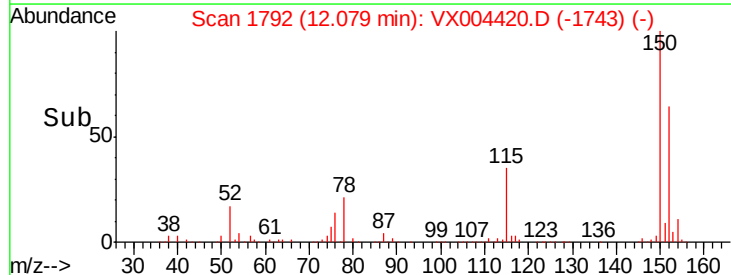
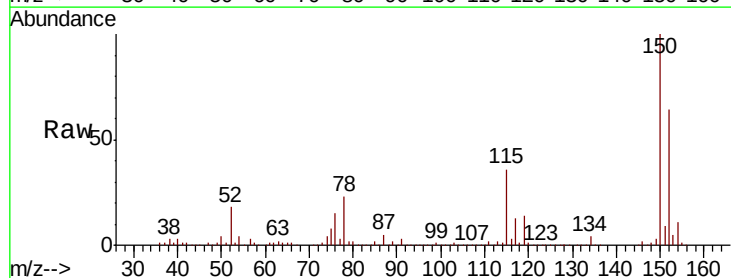
Tgt Ion:152 Resp: 236996

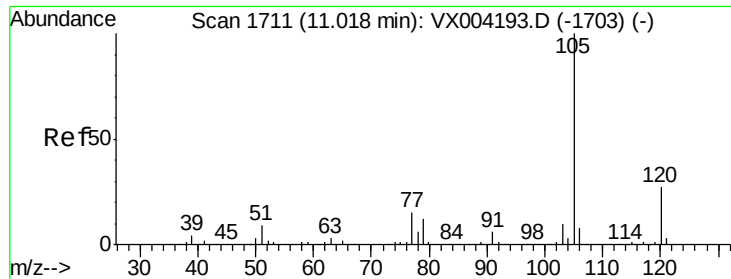
Ion Ratio Lower Upper

152 100

115 61.4 39.0 117.0

150 162.7 0.0 351.0





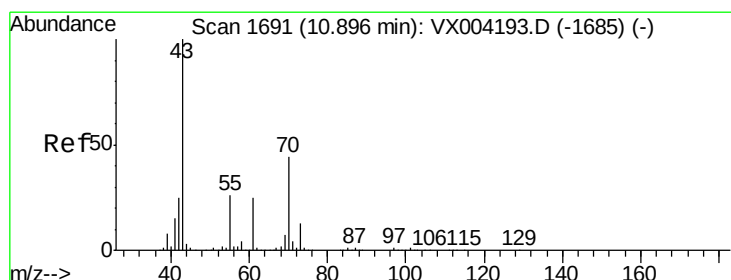
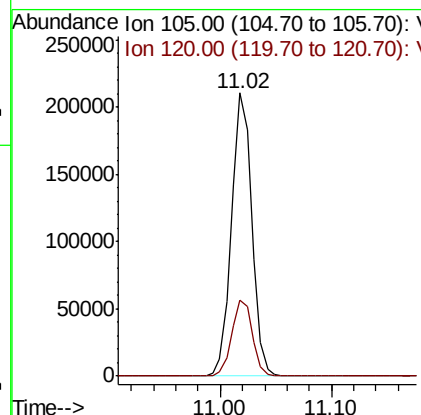
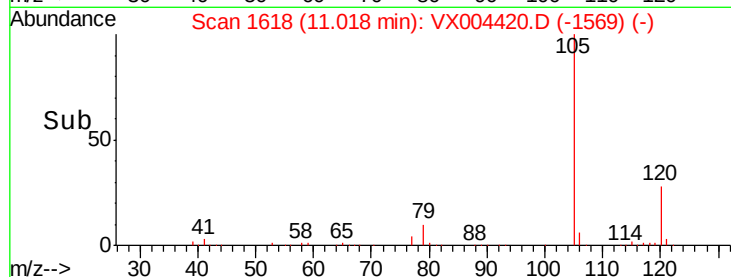
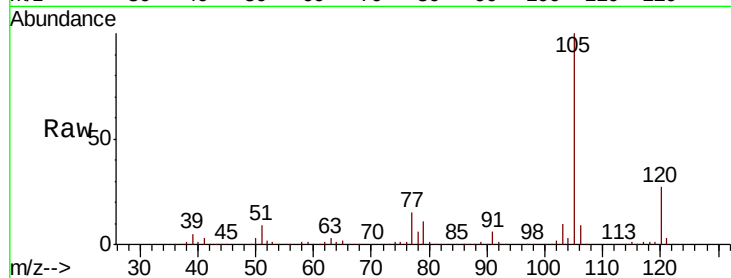
#73
Isopropylbenzene
Concen: 17.10 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX004420.D
Acq: 07 Sep 2018 20:59

Instrument :
MSVOA_X
ClientSampleId :
VX0907WBSD01

Tot Ion: 105 Resp: 266131
Ion Ratio Lower Upper
105 100
120 27.0 13.5 40.4

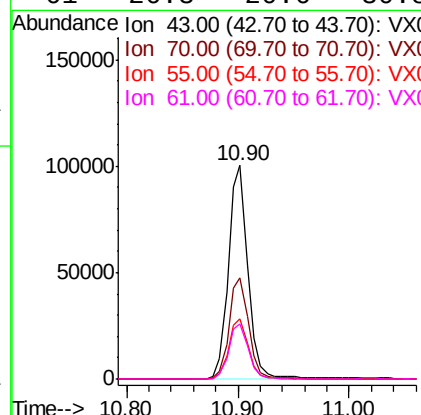
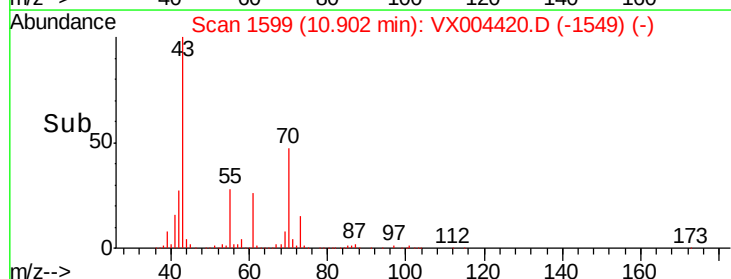
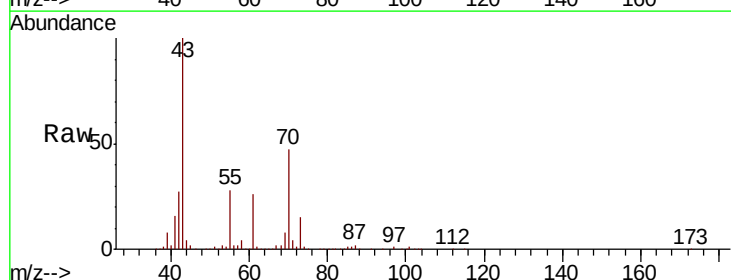
Manual Integrations
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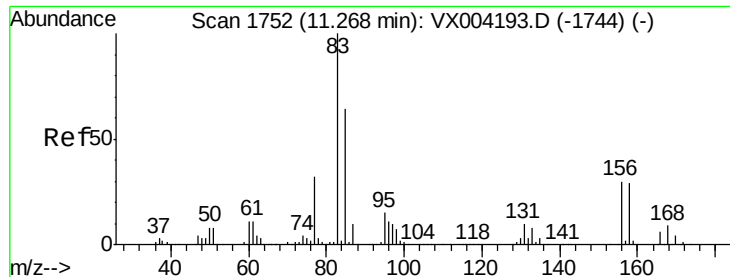
MMDadoda
9/10/2018 11:15:33 AM



#74
N-ethyl acetate
Concen: 20.12 ug/l
RT: 10.90 min Scan# 1599
Delta R.T. 0.01 min
Lab File: VX004420.D
Acq: 07 Sep 2018 20:59

Tgt Ion: 43 Resp: 120610
Ion Ratio Lower Upper
43 100
70 47.9 37.4 56.0
55 29.0 21.8 32.8
61 26.3 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.71 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX004420.D

Acq: 07 Sep 2018 20:59

Instrument :

MSVOA_X

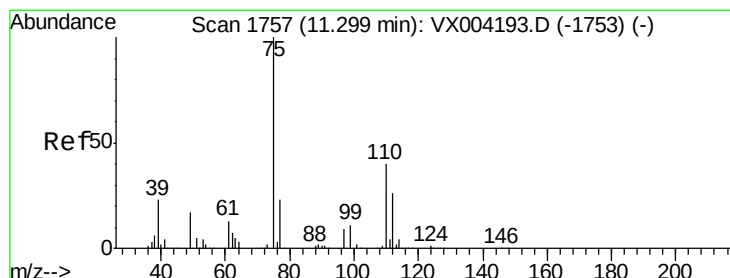
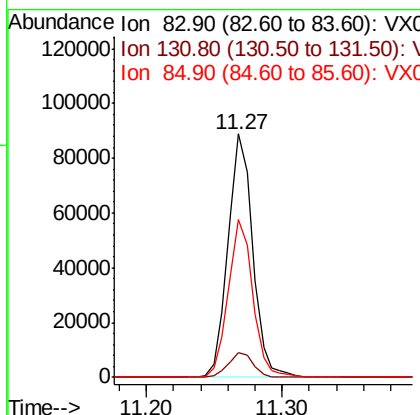
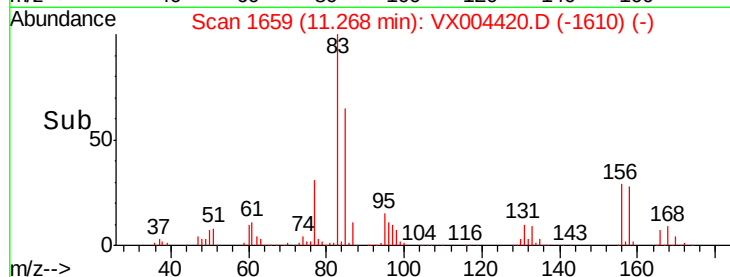
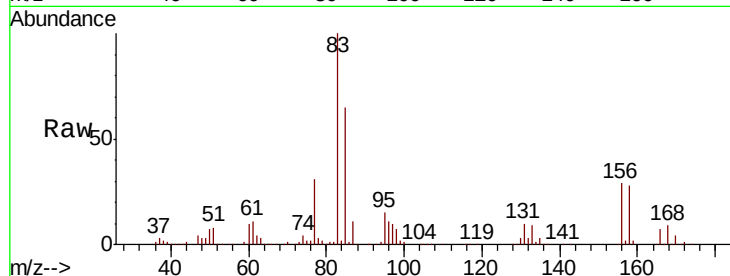
ClientSampleId :

VX0907WBSD01

Tot Ion:	83	Resp:	112838
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.2	15.6
85	64.4	32.3	96.8

Manual Integrations
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MMDadoda
9/10/2018 11:15:33 AM



#76

1,2,3-Trichloropropane

Concen: 20.62 ug/l m

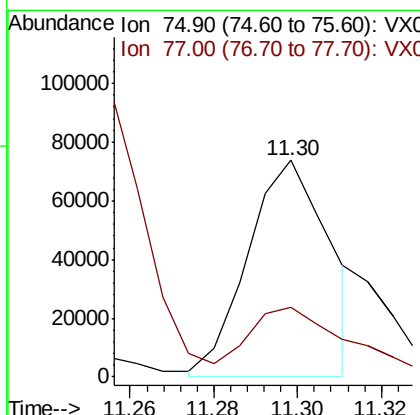
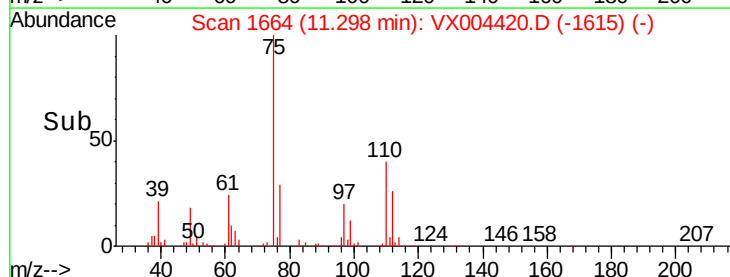
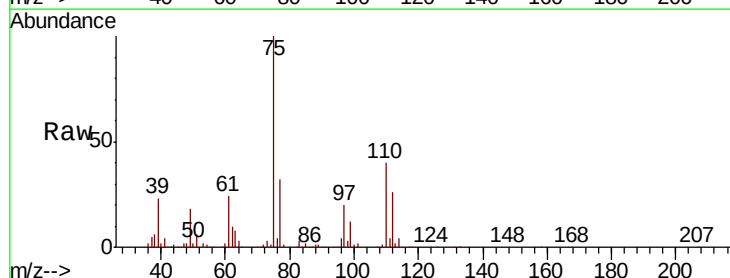
RT: 11.30 min Scan# 1664

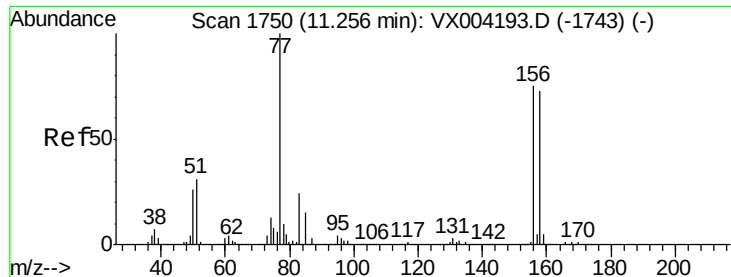
Delta R.T. -0.00 min

Lab File: VX004420.D

Acq: 07 Sep 2018 20:59

Tgt Ion:	75	Resp:	99403
Ion Ratio	Lower	Upper	
75	100		
77	39.3	20.2	60.6





#77

Bromobenzene

Concen: 19.64 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX004420.D

Acq: 07 Sep 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

VX0907WBSD01

Tot Ion:156 Resp: 85768

Ion Ratio Lower Upper

156 100

77 145.3 71.5 214.3

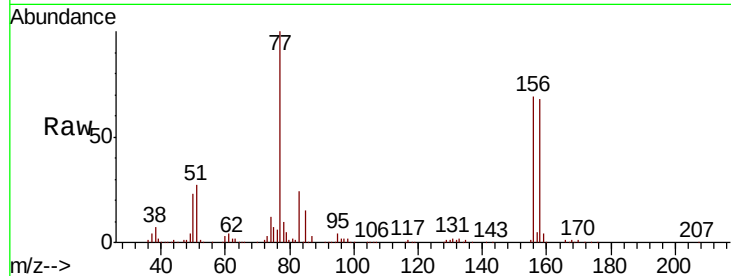
158 96.3 48.9 146.8

Manual Integrations

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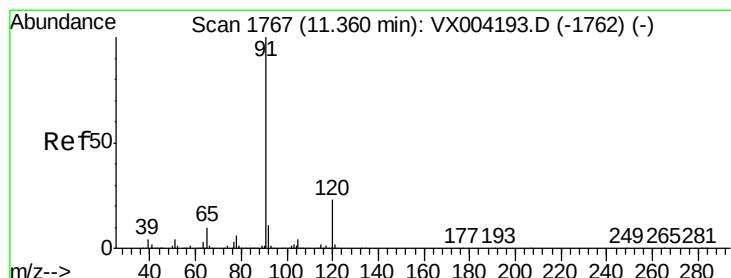
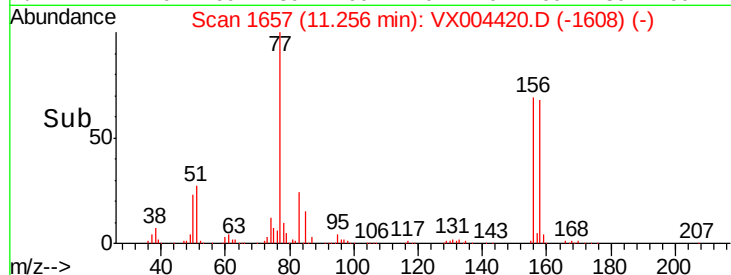
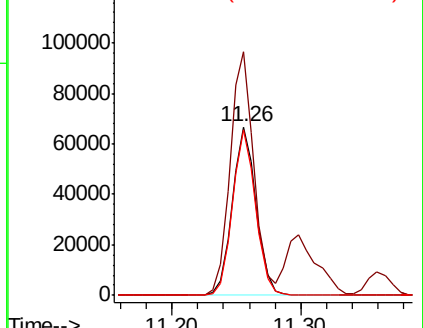
9/10/2018 11:15:33 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 16.59 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX004420.D

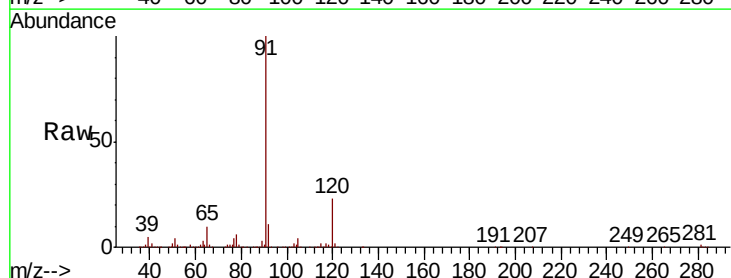
Acq: 07 Sep 2018 20:59

Tgt Ion: 91 Resp: 296948

Ion Ratio Lower Upper

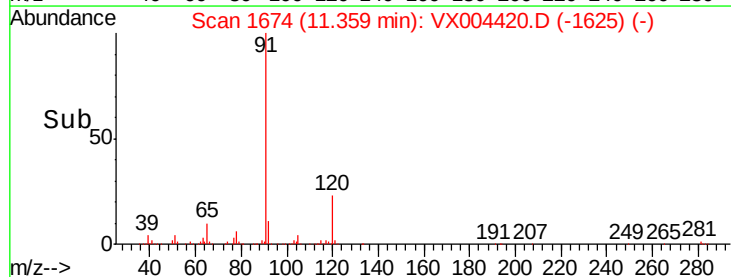
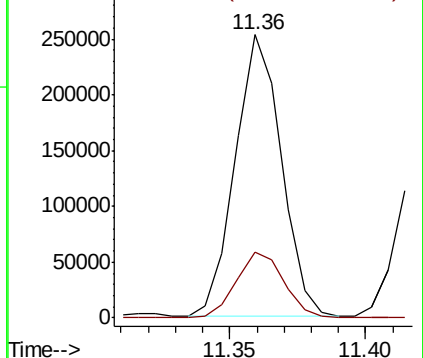
91 100

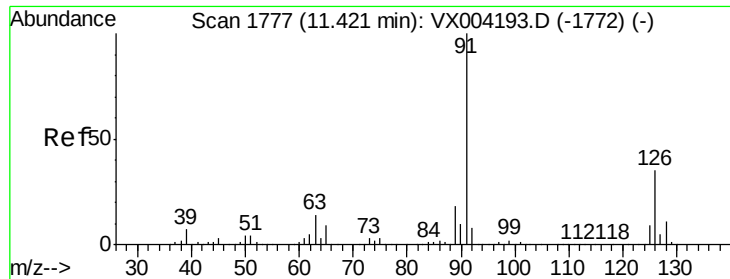
120 24.1 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.33 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX004420.D

Acq: 07 Sep 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

VX0907WBSD01

Tot Ion: 91 Resp: 202003

Ion Ratio Lower Upper

91 100

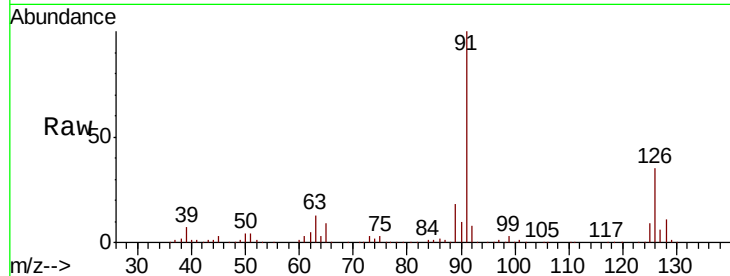
126 35.7 17.9 53.7

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX004193.D (-1772) (-)

Ion 125.90 (125.60 to 126.60): VX004193.D (-1772) (-)

250000

200000

150000

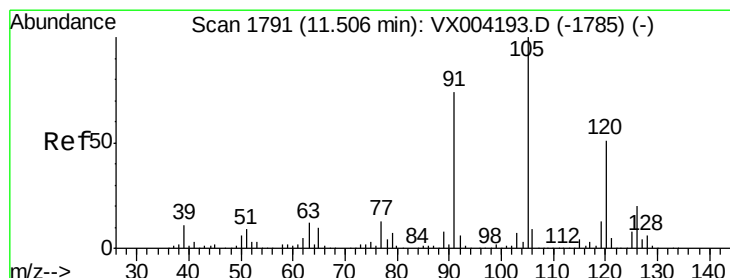
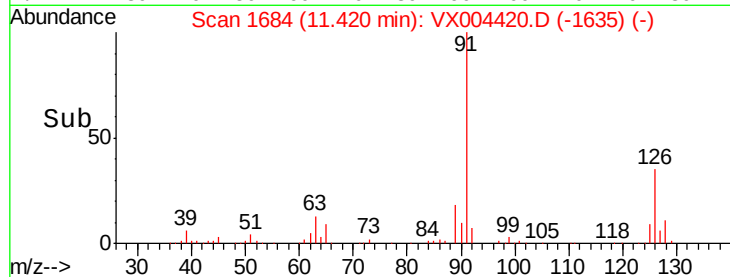
100000

50000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 17.91 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX004420.D

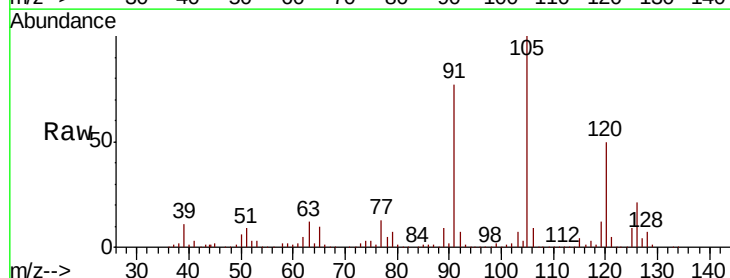
Acq: 07 Sep 2018 20:59

Tgt Ion: 105 Resp: 230905

Ion Ratio Lower Upper

105 100

120 50.6 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VX004193.D (-1785) (-)

Ion 120.00 (119.70 to 120.70): VX004193.D (-1785) (-)

200000

150000

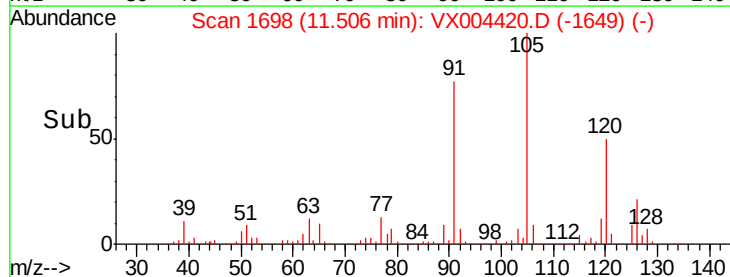
100000

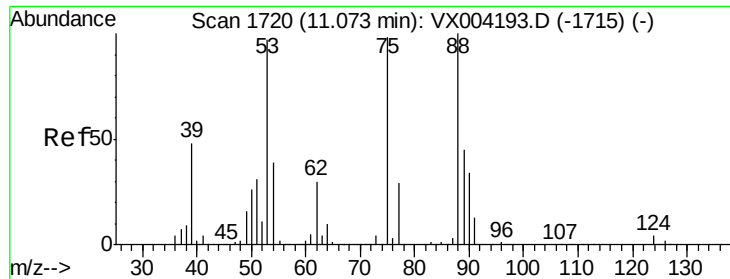
50000

0

11.40 11.50 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 17.99 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX004420.D

Acq: 07 Sep 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

VX0907WBSD01

Tot Ion: 75 Resp: 26729

Ion Ratio Lower Upper

75 100

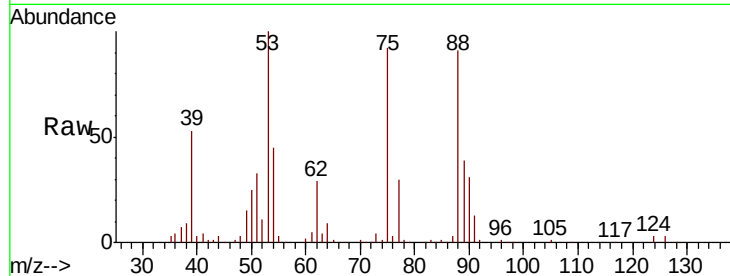
53 104.9 80.1 120.1

89 44.8 37.2 55.8

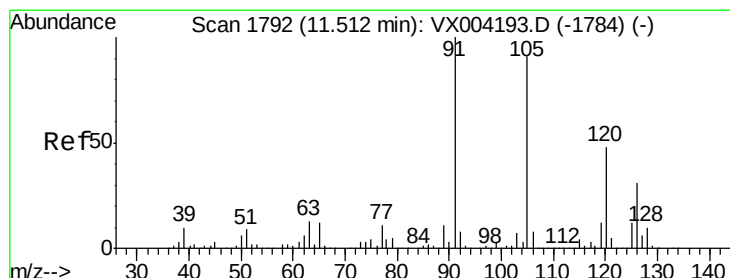
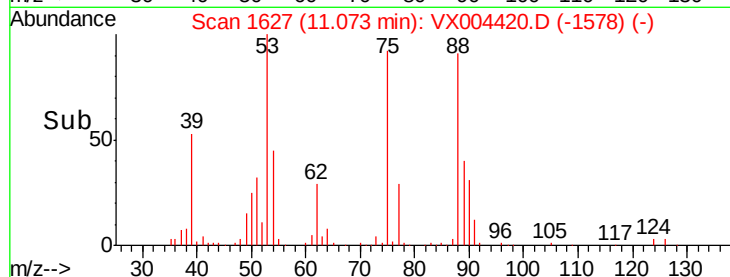
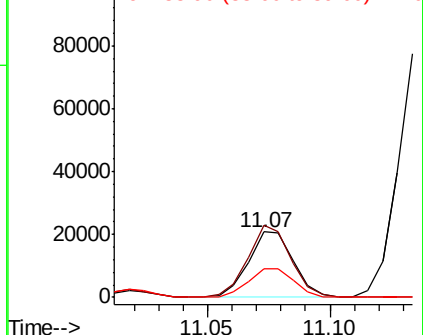
Manual Integrations
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9/10/2018 11:15:33 AM



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



#82

4-Chlorotoluene

Concen: 18.17 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX004420.D

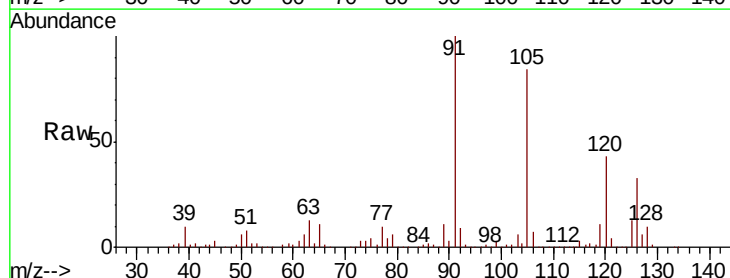
Acq: 07 Sep 2018 20:59

Tgt Ion: 91 Resp: 235658

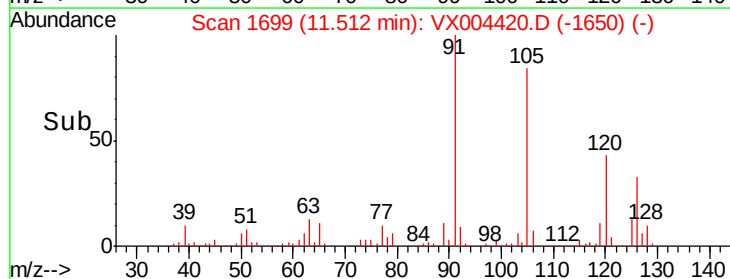
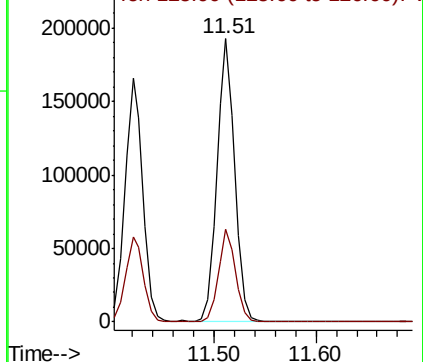
Ion Ratio Lower Upper

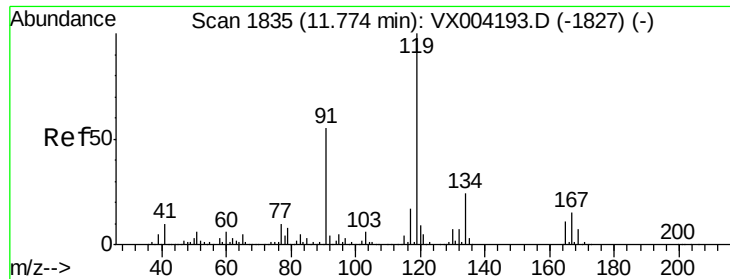
91 100

126 31.5 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V





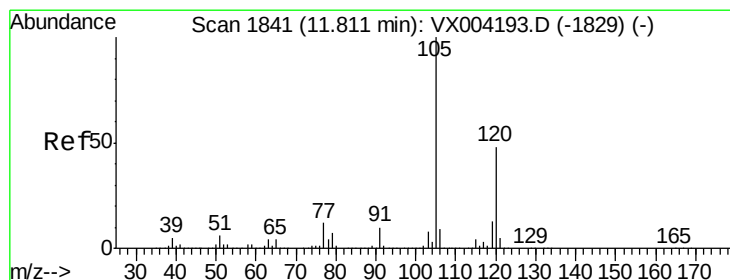
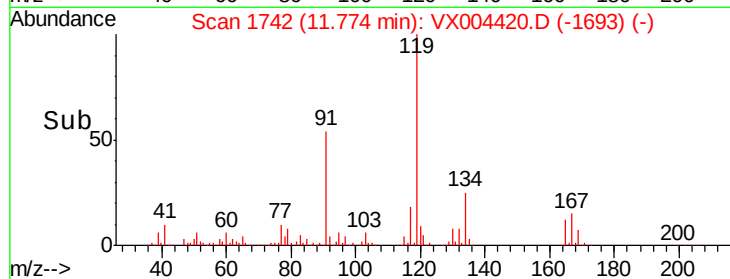
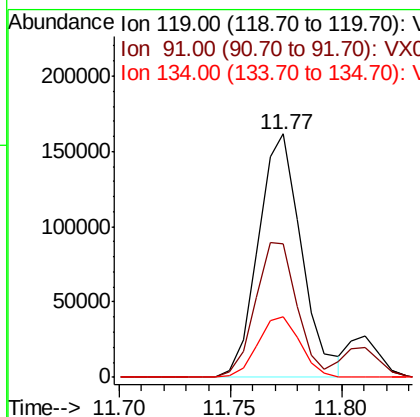
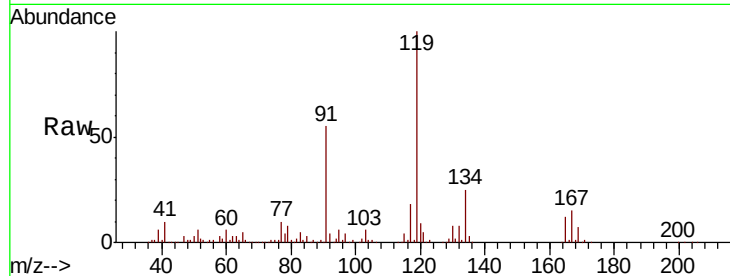
#83
 tert-Butylbenzene
 Concen: 16.85 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX004420.D
 Acq: 07 Sep 2018 20:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	218473		
91	53.5		27.0	81.0
134	24.4		11.7	35.1

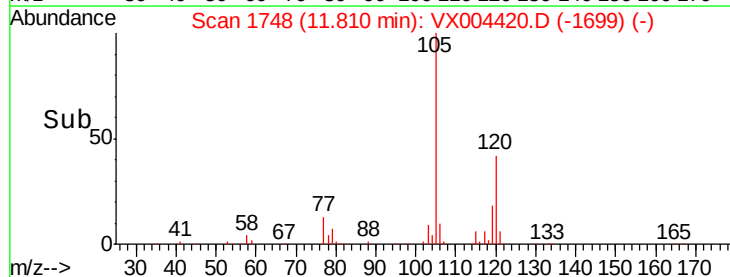
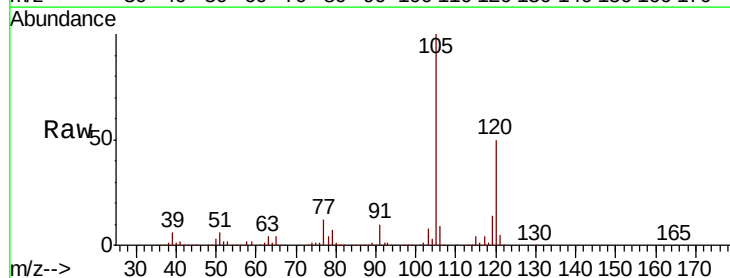
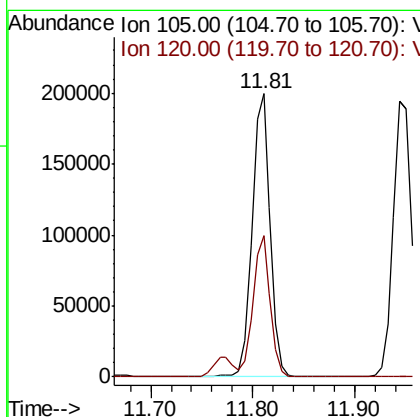
Manual Integrations
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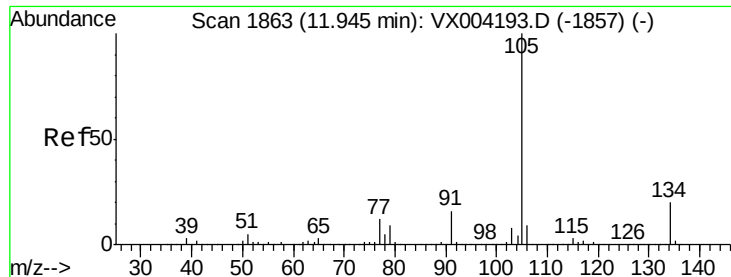
MMDadoda
 9/10/2018 11:15:33 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 18.66 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX004420.D
 Acq: 07 Sep 2018 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	246897		
120	47.5		23.2	69.6





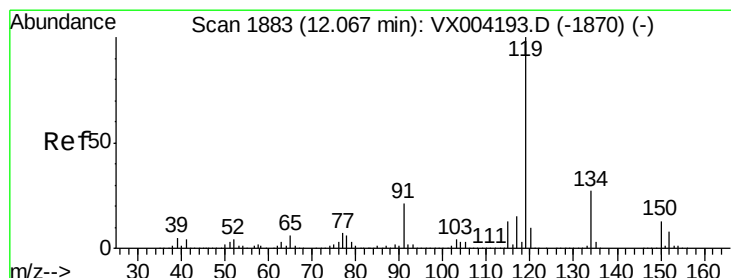
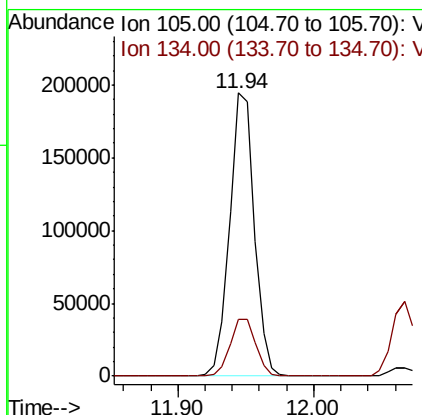
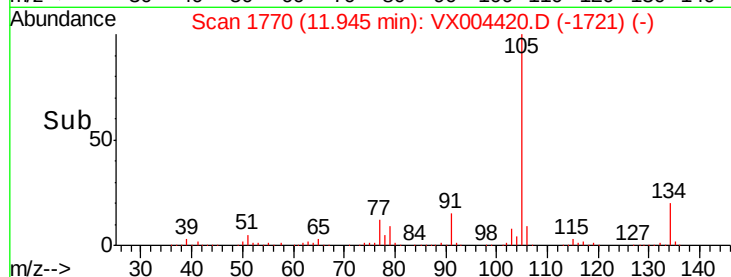
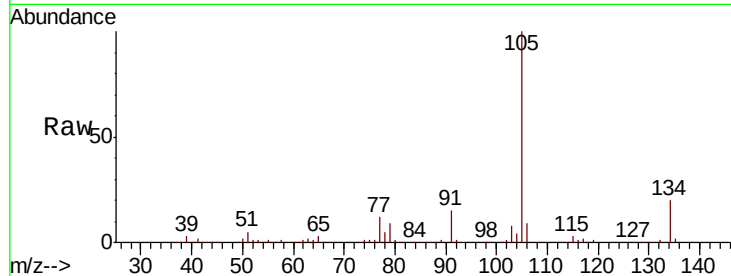
#85
 sec-Butylbenzene
 Concen: 15.93 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX004420.D
 Acq: 07 Sep 2018 20:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.0	10.5	31.5

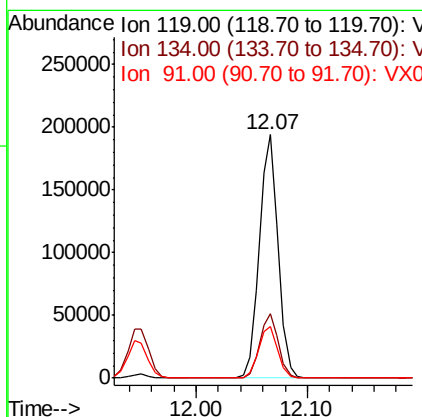
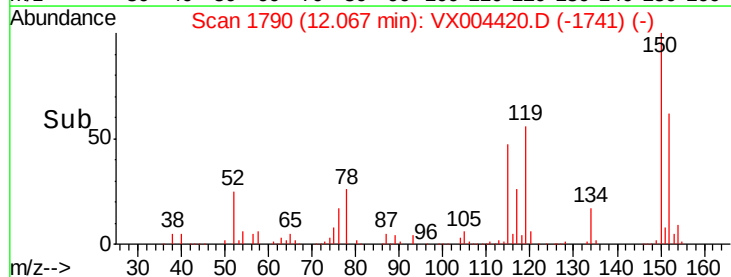
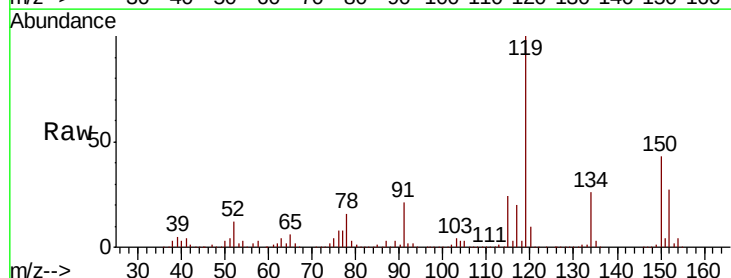
Manual Integrations
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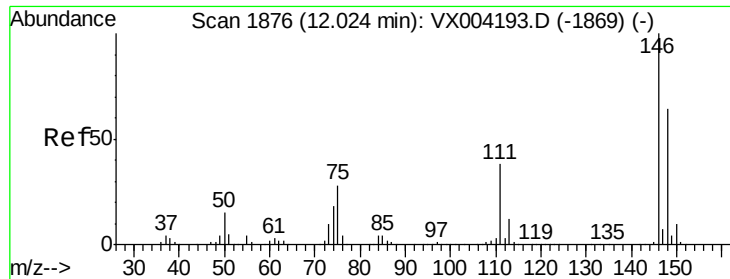
MMDadoda
 9/10/2018 11:15:33 AM



#86
 p-Isopropyltoluene
 Concen: 16.57 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX004420.D
 Acq: 07 Sep 2018 20:59

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.4	40.2
91	21.6	10.9	32.7





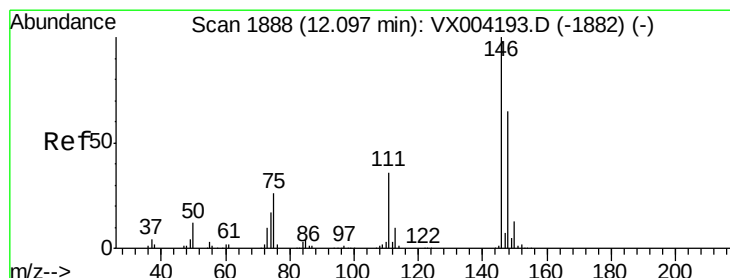
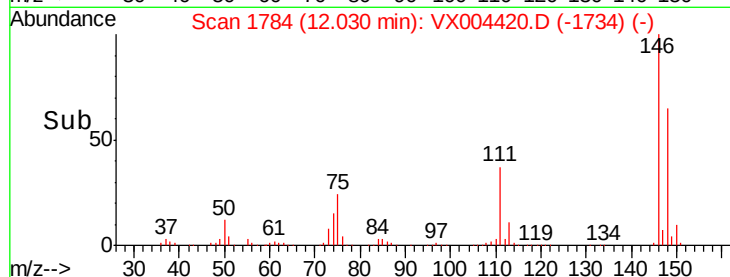
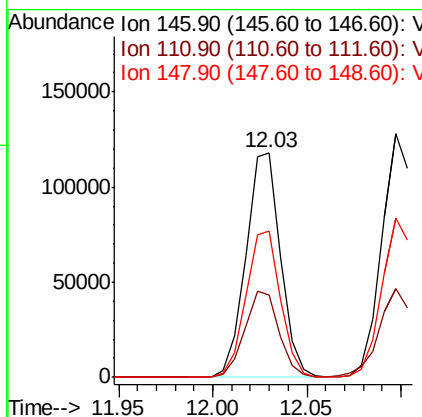
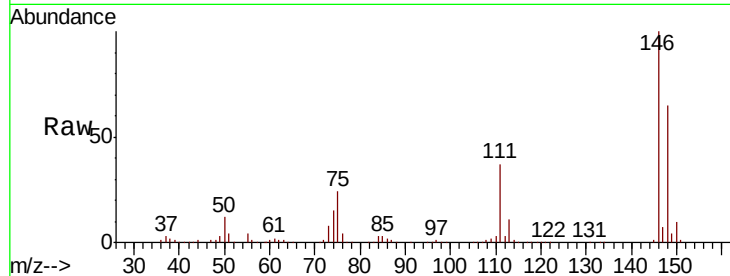
#87
 1,3-Dichlorobenzene
 Concen: 18.30 ug/l
 RT: 12.03 min Scan# 1784
 Delta R.T. 0.01 min
 Lab File: VX004420.D
 Acq: 07 Sep 2018 20:59

Instrument :
 MSVOA_X
 ClientSampled :
 VX0907WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.7	56.1
148	65.0	32.1	96.5

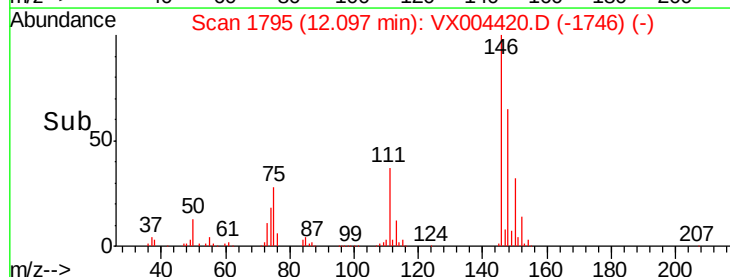
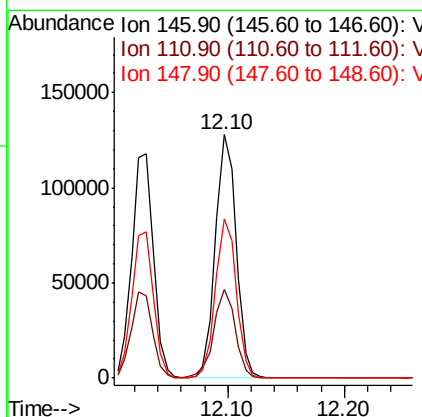
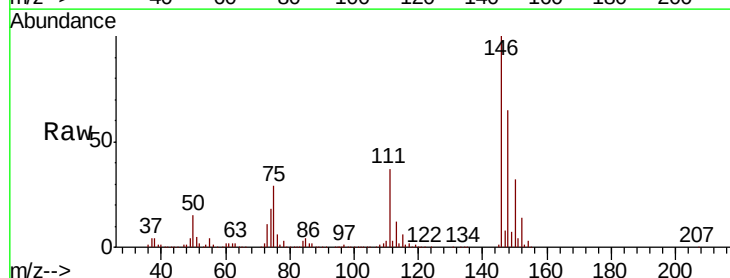
Manual Integrations
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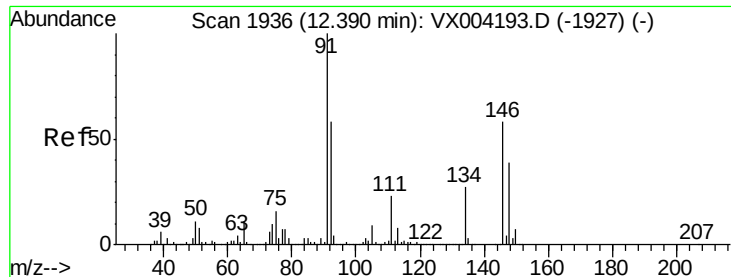
MMDadoda
 9/10/2018 11:15:33 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.11 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX004420.D
 Acq: 07 Sep 2018 20:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.1	54.1
148	65.3	32.0	96.0





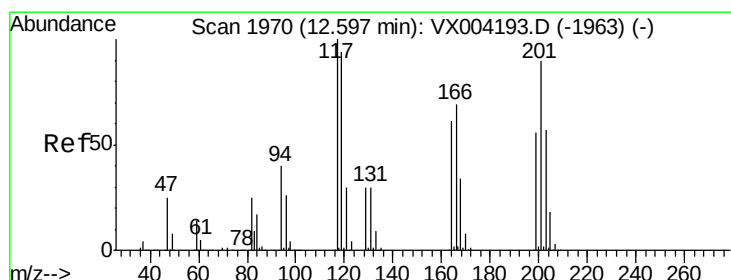
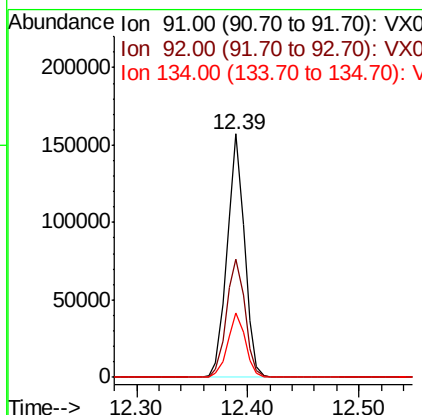
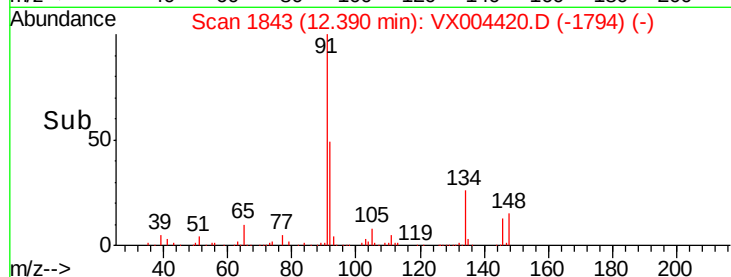
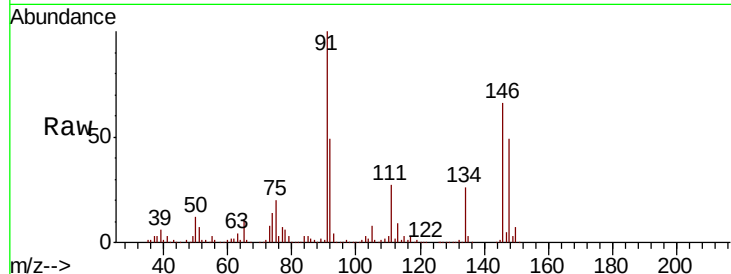
#89
n-Butylbenzene
Concen: 15.18 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004420.D
Acq: 07 Sep 2018 20:59

Instrument :
MSVOA_X
ClientSampleId :
VX0907WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	170347		
92	51.9	27.3	81.9	
134	27.0	13.6	40.7	

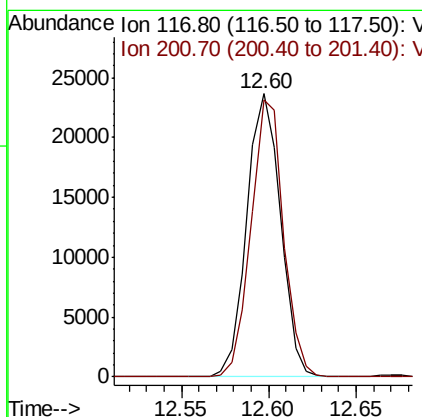
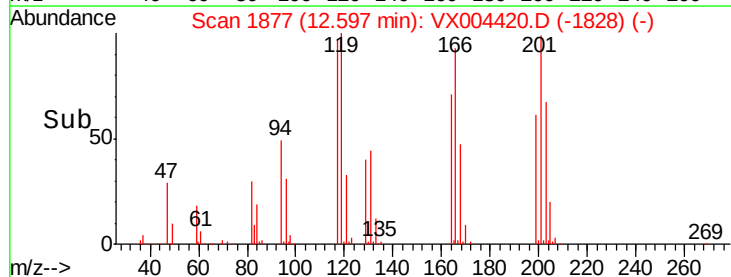
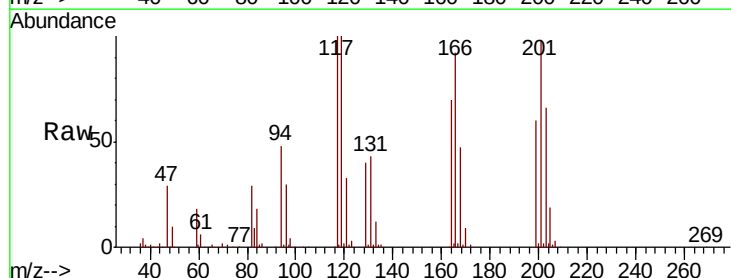
Manual Integrations
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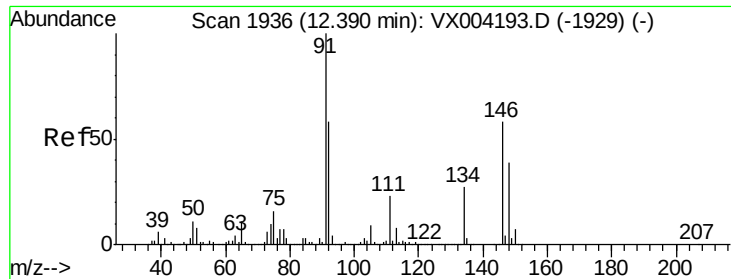
MMDadoda
9/10/2018 11:15:33 AM



#90
Hexachloroethane
Concen: 16.46 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX004420.D
Acq: 07 Sep 2018 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	31746		
201	94.0	46.9	140.6	





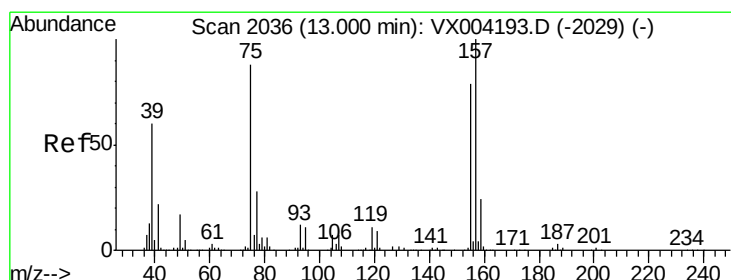
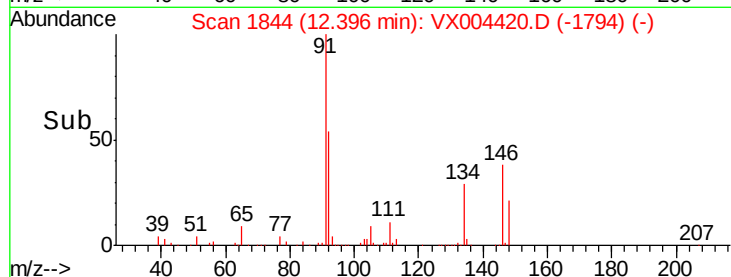
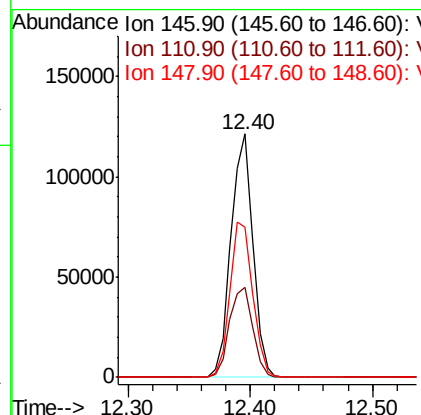
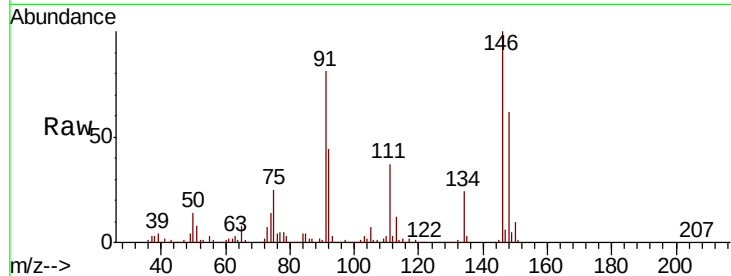
#91
 1,2-Dichlorobenzene
 Concen: 20.00 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. 0.01 min
 Lab File: VX004420.D
 Acq: 07 Sep 2018 20:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	150241		
111	39.5	19.4	58.1	
148	66.2	32.8	98.3	

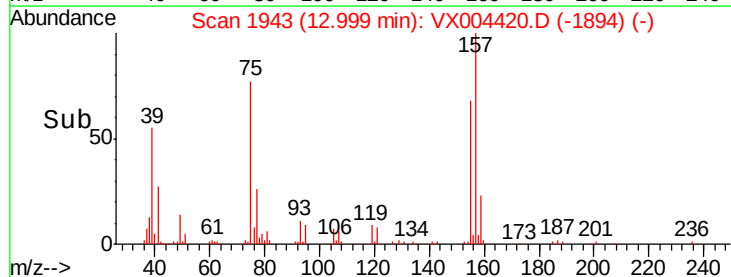
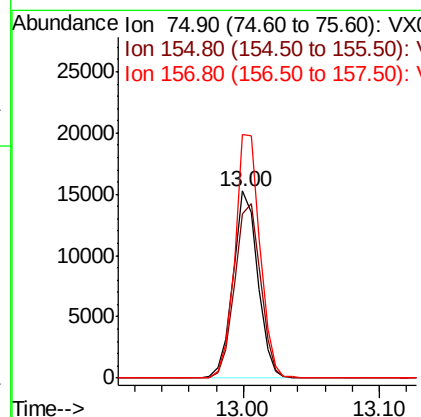
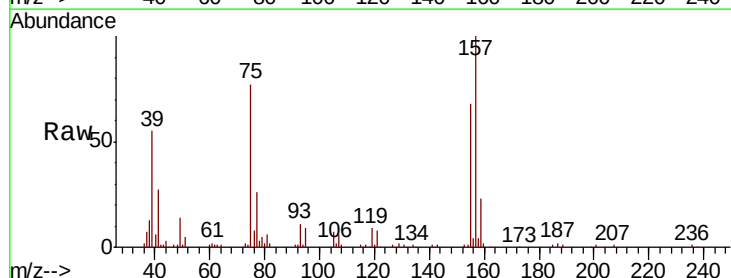
Manual Integrations
 APPROVED

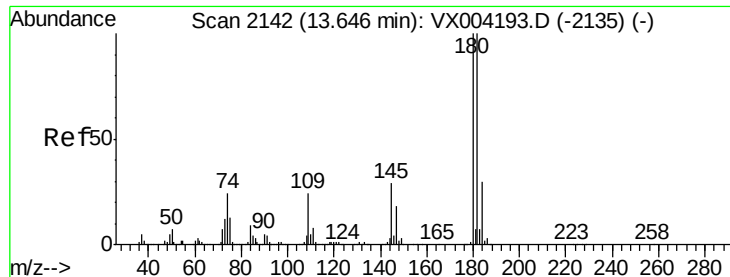
MMDadoda
 9/10/2018 11:15:33 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.13 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX004420.D
 Acq: 07 Sep 2018 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	19317		
155	97.4	48.0	144.2	
157	130.8	61.4	184.1	





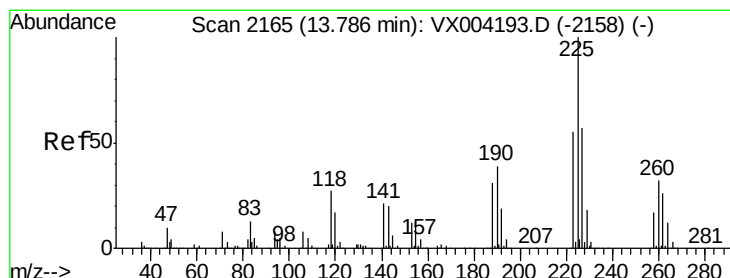
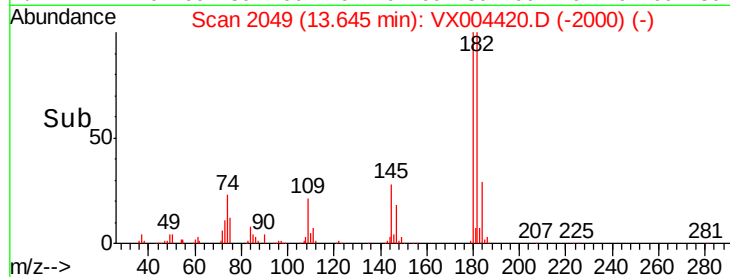
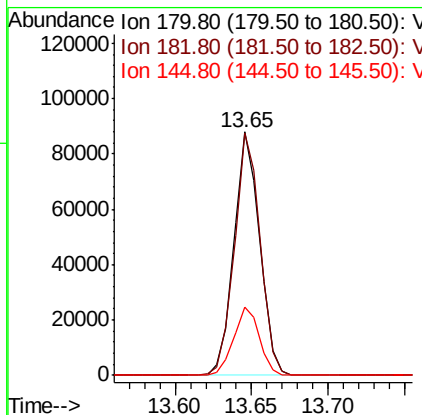
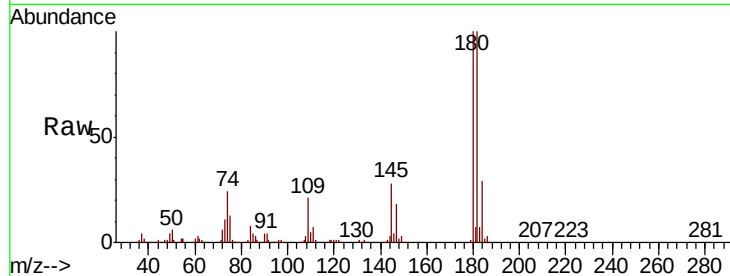
#93
 1,2,4-Trichlorobenzene
 Concen: 18.72 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX004420.D
 Acq: 07 Sep 2018 20:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907WBSD01

Tot Ion:	180	Resp:	102346
Ion Ratio	Lower	Upper	
180	100		
182	99.1	48.4	145.0
145	28.2	14.3	42.9

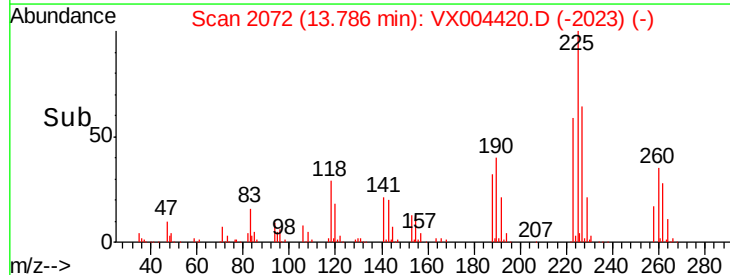
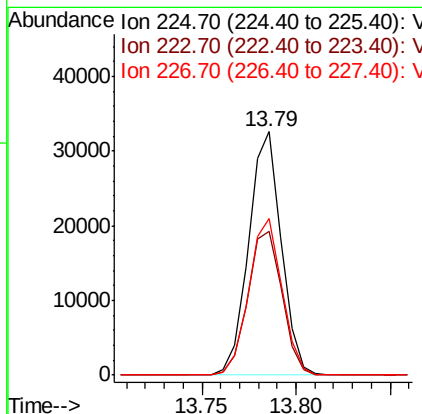
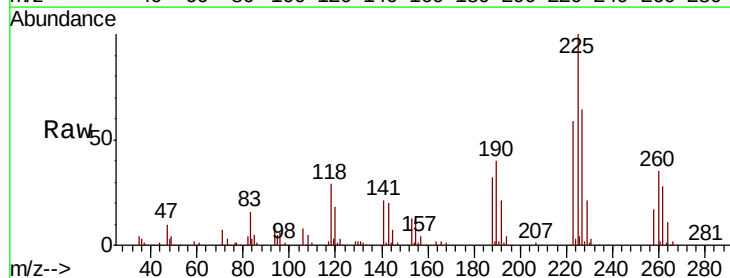
Manual Integrations
 APPROVED

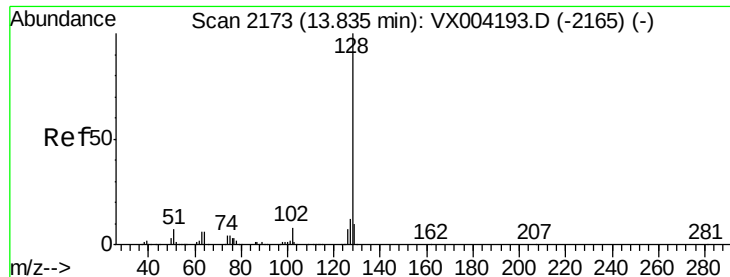
MMDadoda
 9/10/2018 11:15:33 AM



#94
 Hexachlorobutadiene
 Concen: 15.29 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX004420.D
 Acq: 07 Sep 2018 20:59

Tgt Ion:	225	Resp:	39123
Ion Ratio	Lower	Upper	
225	100		
223	62.1	30.1	90.5
227	65.1	30.8	92.4





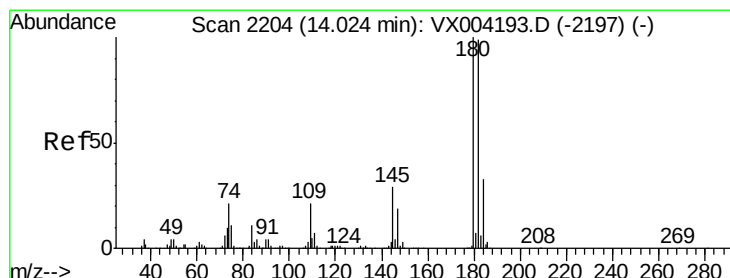
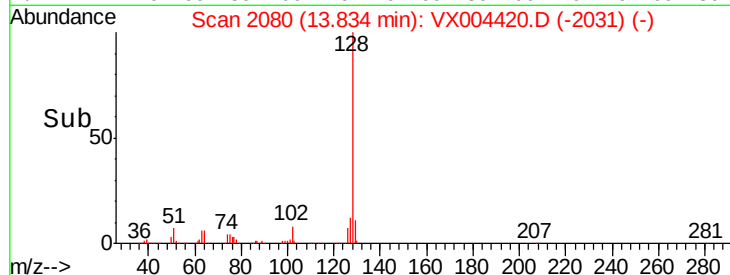
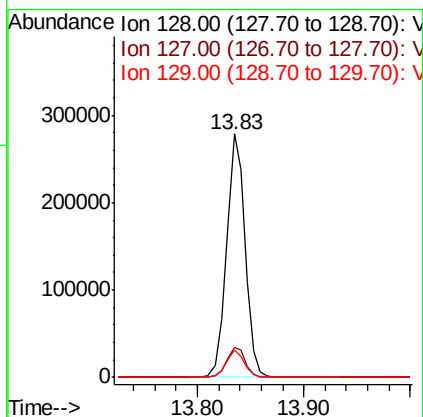
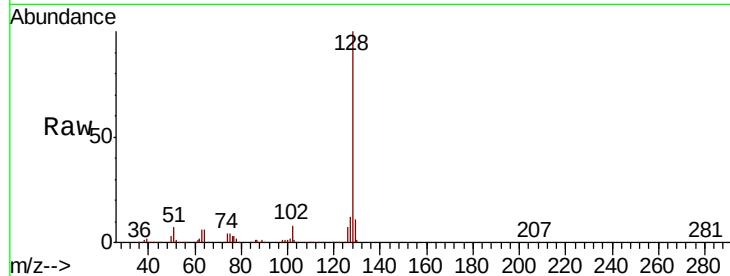
#95
Naphthalene
Concen: 21.90 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX004420.D
Acq: 07 Sep 2018 20:59

Instrument :
MSVOA_X
ClientSampleId :
VX0907WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	338659		
127	12.4		10.2	15.2
129	10.8		8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/10/2018 11:15:33 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.96 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX004420.D
Acq: 07 Sep 2018 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	115496		
182	95.4		48.5	145.6
145	30.5		14.9	44.9

