

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070518\
 Data File : VX003192.D
 Acq On : 06 Jul 2018 01:00
 Operator : JC/MD
 Sample : VX0705WBS04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 Client Sample ID :
 VX0705WBS04

Manual Integrations
 APPROVED

sam
 7/6/2018 4:20:37 PM

Quant Time: Jul 06 03:38:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	271162	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	376341	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	357410	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	219834	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	149030	39.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.52%	
35) Dibromofluoromethane	5.51	113	125920	42.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.50%	
50) Toluene-d8	8.72	98	435179	39.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.98%	
62) 4-Bromofluorobenzene	11.14	95	168049	40.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	48861	20.00	ug/l	100
3) Chloromethane	1.32	50	52903	20.34	ug/l	99
4) Vinyl Chloride	1.40	62	58412	19.05	ug/l	99
5) Bromomethane	1.64	94	23151	14.23	ug/l	98
6) Chloroethane	1.72	64	37411	19.50	ug/l	95
7) Trichlorofluoromethane	1.93	101	90442	17.48	ug/l	100
8) Diethyl Ether	2.19	74	34004	18.08	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	53433	17.83	ug/l	97
10) Methyl Iodide	2.51	142	47955	20.04	ug/l	97
11) Tert butyl alcohol	3.08	59	72175	96.67	ug/l	98
12) 1,1-Dichloroethene	2.37	96	49533	18.52	ug/l	87
13) Acrolein	2.29	56	26080	66.17	ug/l	100
14) Allyl chloride	2.73	41	90735	17.21	ug/l	94
15) Acrylonitrile	3.15	53	150998	94.68	ug/l	99
16) Acetone	2.45	43	141487	91.16	ug/l	95
17) Carbon Disulfide	2.57	76	126110	17.70	ug/l	99
18) Methyl Acetate	2.78	43	78235	18.03	ug/l	96
19) Methyl tert-butyl Ether	3.21	73	171924	17.88	ug/l	100
20) Methylene Chloride	2.86	84	56357	18.66	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	52548	18.04	ug/l	91
22) Diisopropyl ether	3.88	45	187045	18.56	ug/l	97
23) Vinyl Acetate	3.83	43	769764	90.21	ug/l	98
24) 1,1-Dichloroethane	3.70	63	99495	18.17	ug/l	99
25) 2-Butanone	4.71	43	230580	100.10	ug/l	98
26) 2,2-Dichloropropane	4.59	77	46839	10.52	ug/l	91
27) cis-1,2-Dichloroethene	4.60	96	62824	19.24	ug/l	94
28) Bromochloromethane	5.03	49	49275	18.80	ug/l	89
29) Tetrahydrofuran	5.17	42	147864	100.10	ug/l	96
30) Chloroform	5.22	83	105844	18.83	ug/l	94
31) Cyclohexane	5.58	56	87129	18.54	ug/l	93
32) 1,1,1-Trichloroethane	5.50	97	92910	18.79	ug/l	98
36) 1,1-Dichloropropene	5.80	75	75414	18.27	ug/l	98
37) Ethyl Acetate	4.87	43	86644	19.50	ug/l	98
38) Carbon Tetrachloride	5.78	117	83485	18.43	ug/l	97

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 ALS Vial : 32 Sample Multiplier: 1

Instrument :
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Manual Integrations
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Quant Time: Jul 06 03:38:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	84940	17.67	ug/l	96
40) Benzene	6.15	78	230353	19.21	ug/l	100
41) Methacrylonitrile	5.07	41	48550	18.97	ug/l	96
42) 1,2-Dichloroethane	6.20	62	87754	18.12	ug/l	98
43) Isopropyl Acetate	6.48	43	135333	18.16	ug/l	97
44) Trichloroethene	7.21	130	67134	18.78	ug/l	99
45) 1,2-Dichloropropane	7.52	63	57786	18.17	ug/l	100
46) Dibromomethane	7.67	93	41627	18.86	ug/l	96
47) Bromodichloromethane	7.90	83	75884	18.59	ug/l	99
48) Methyl methacrylate	7.78	41	70516	18.36	ug/l	94
49) 1,4-Dioxane	7.76	88	30644	410.18	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	451554	96.84	ug/l	98
52) Toluene	8.79	92	147022	19.14	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	81057	17.54	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	74300	16.71	ug/l	94
55) 1,1,2-Trichloroethane	9.22	97	61090	19.35	ug/l	97
56) Ethyl methacrylate	9.18	69	87402	18.95	ug/l	93
57) 1,3-Dichloropropane	9.38	76	99092	19.11	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	200515	90.09	ug/l	97
59) 2-Hexanone	9.50	43	347560	98.08	ug/l	96
60) Dibromochloromethane	9.59	129	62519	18.81	ug/l	99
61) 1,2-Dibromoethane	9.68	107	64264	19.41	ug/l	99
64) Tetrachloroethene	9.34	164	81203	20.43	ug/l	98
65) Chlorobenzene	10.14	112	172467	19.00	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	63708	19.32	ug/l	99
67) Ethyl Benzene	10.26	91	281115	18.75	ug/l	98
68) m/p-Xylenes	10.36	106	218509	37.81	ug/l	98
69) o-Xylene	10.70	106	105039	18.66	ug/l	97
70) Styrene	10.71	104	174796	19.11	ug/l	98
71) Bromoform	10.86	173	47602	18.63	ug/l #	100
73) Isopropylbenzene	11.02	105	285130	19.28	ug/l	99
74) N-amyl acetate	6.48	43	135333	18.70	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	89151	19.57	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	86784m	21.79	ug/l	
77) Bromobenzene	11.26	156	81401	19.33	ug/l	97
78) n-propylbenzene	11.37	91	315140	18.72	ug/l	98
79) 2-Chlorotoluene	11.43	91	191670	18.81	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	236701	19.00	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	18088	15.66	ug/l	97
82) 4-Chlorotoluene	11.51	91	223626	18.53	ug/l	99
83) tert-Butylbenzene	11.77	119	230463	18.77	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	246899	19.13	ug/l	99
85) sec-Butylbenzene	11.95	105	279174	18.75	ug/l	100
86) p-Isopropyltoluene	12.07	119	250016	18.67	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	145252	18.88	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	146493	18.51	ug/l	99
89) n-Butylbenzene	12.39	91	196827	16.89	ug/l	100
90) Hexachloroethane	12.60	117	34920	17.54	ug/l	95
91) 1,2-Dichlorobenzene	12.40	146	148665	19.15	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	18946	18.50	ug/l	95

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ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0705WBS04

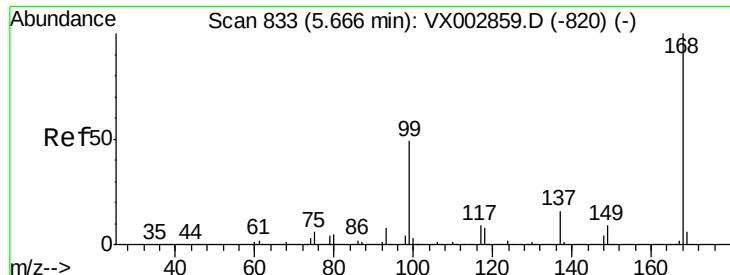
Manual Integrations
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Quant Time: Jul 06 03:38:25 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	104398	18.48	ug/l	99
94) Hexachlorobutadiene	13.79	225	51047	18.11	ug/l	100
95) Naphthalene	13.84	128	299735	19.92	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	108740	19.27	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003192.D

Acq: 06 Jul 2018 01:00

Instrument :

MSVOA_X

ClientSampleId :

VX0705WBS04

Tot Ion:168 Resp: 271162

Ion Ratio Lower Upper

168 100

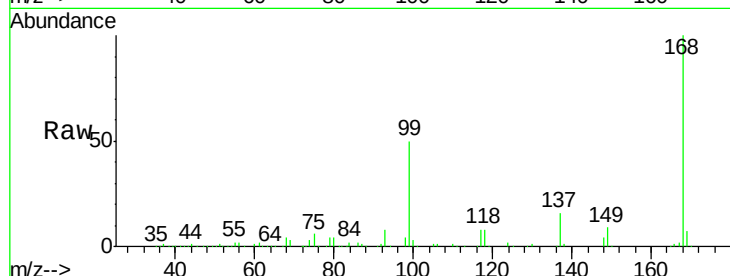
99 49.4 39.3 58.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

40000

20000

0

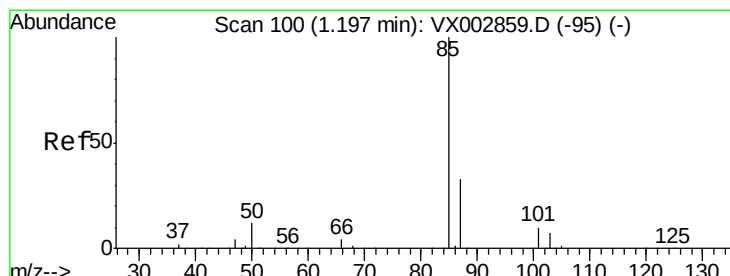
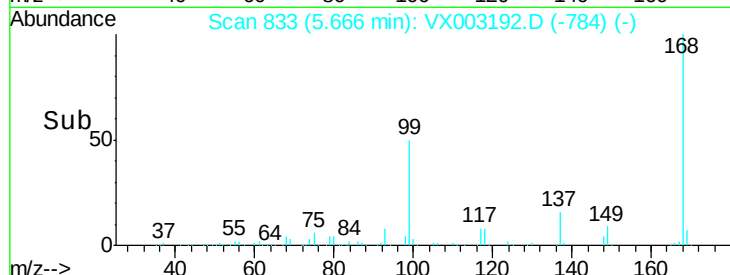
Time-->

5.50

5.60

5.70

5.80



#2

Dichlorodifluoromethane

Concen: 20.00 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003192.D

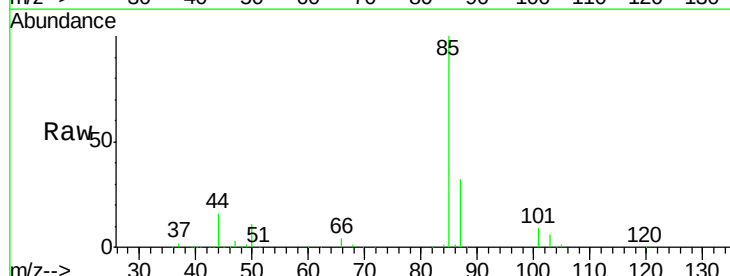
Acq: 06 Jul 2018 01:00

Tgt Ion: 85 Resp: 48861

Ion Ratio Lower Upper

85 100

87 32.1 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

60000

50000

40000

30000

20000

10000

0

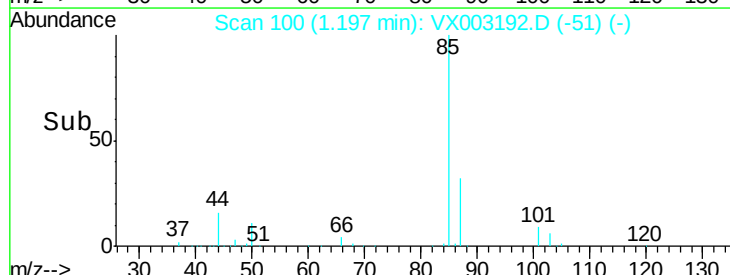
Time-->

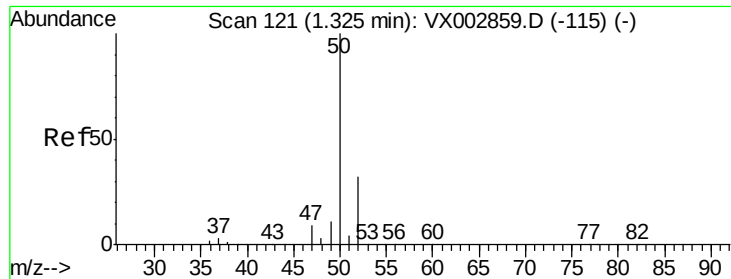
1.15

1.20

1.25

1.30





#3

Chloromethane

Concen: 20.34 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003192.D

Acq: 06 Jul 2018 01:00

Instrument :

MSVOA_X

ClientSampled :

VX0705WBS04

Tot Ion: 50 Resp: 52903

Ion Ratio Lower Upper

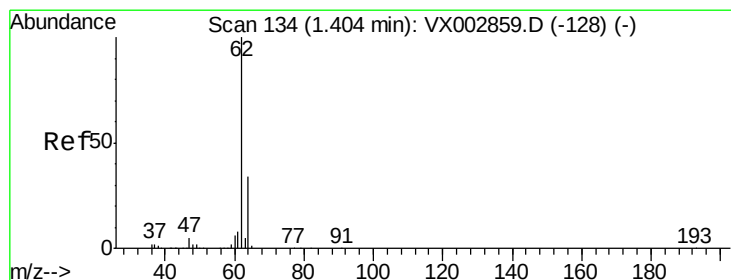
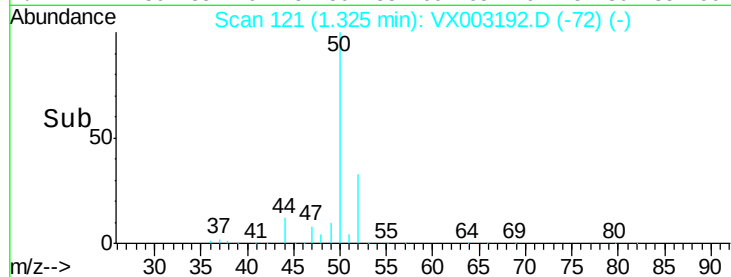
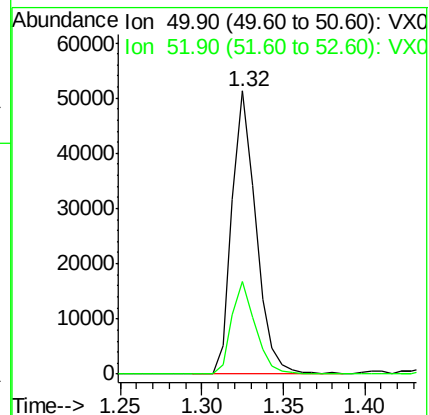
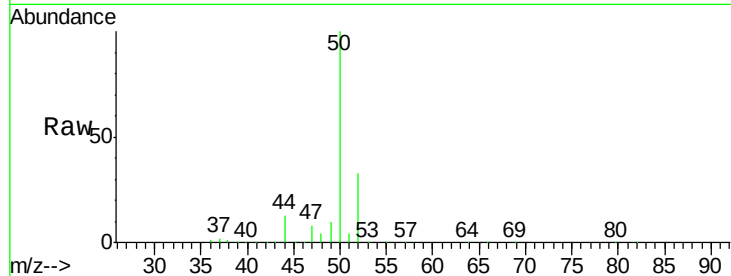
50 100

52 32.8 25.7 38.5

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#4

Vinyl Chloride

Concen: 19.05 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003192.D

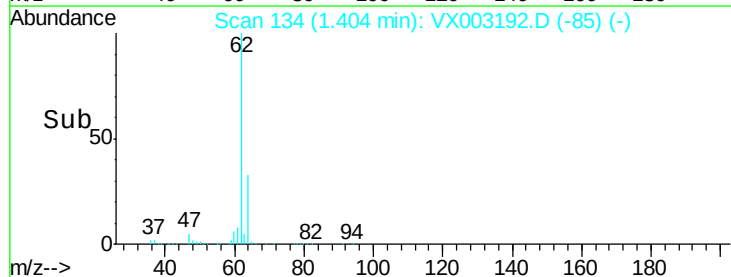
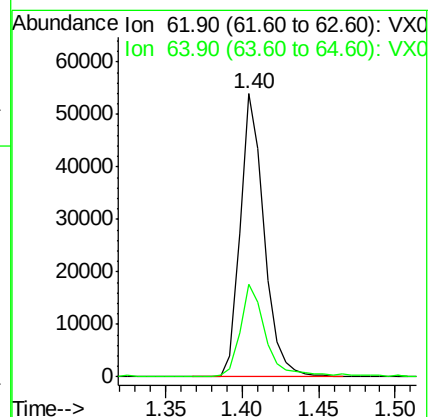
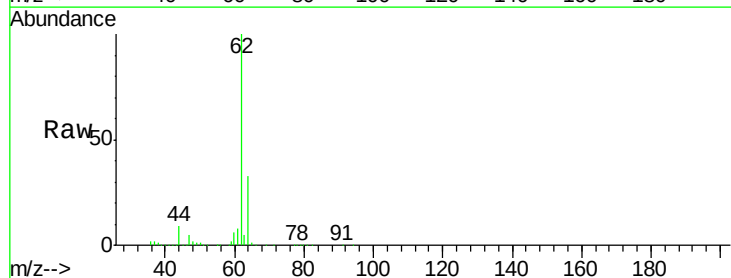
Acq: 06 Jul 2018 01:00

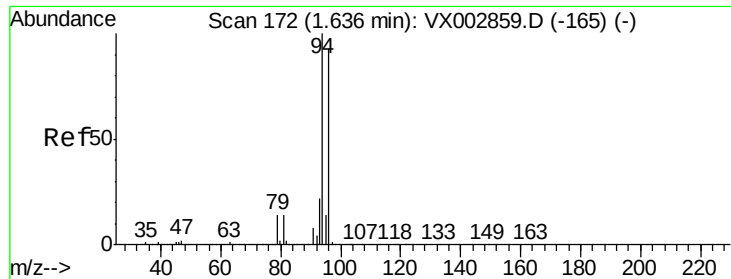
Tgt Ion: 62 Resp: 58412

Ion Ratio Lower Upper

62 100

64 32.4 25.4 38.2





#5

Bromomethane

Concen: 14.23 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003192.D

Acq: 06 Jul 2018 01:00

Instrument :

MSVOA_X

ClientSampleId :

VX0705WBS04

Tot Ion: 94 Resp: 23151

Ion Ratio Lower Upper

94 100

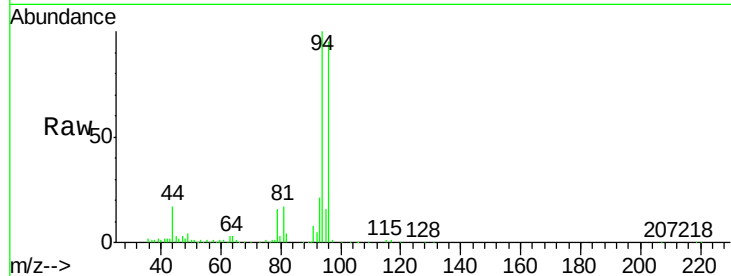
96 95.1 74.9 112.3

Manual Integrations

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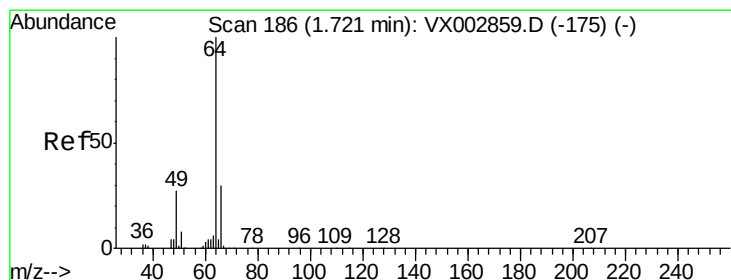
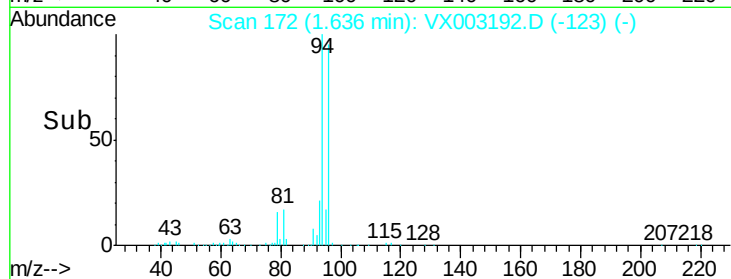
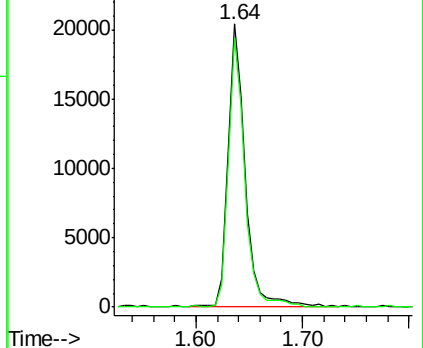
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 19.50 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX003192.D

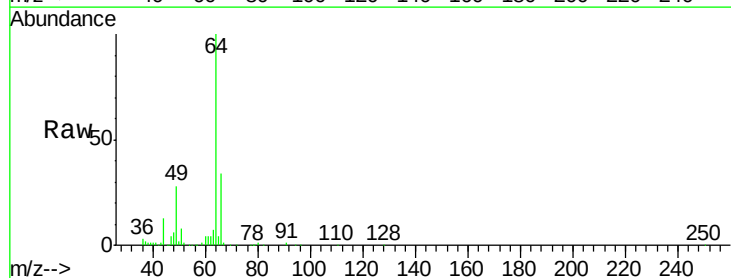
Acq: 06 Jul 2018 01:00

Tgt Ion: 64 Resp: 37411

Ion Ratio Lower Upper

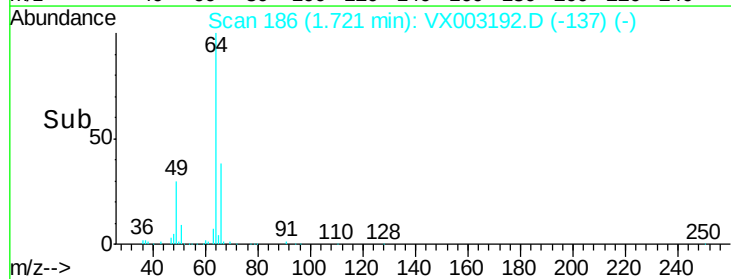
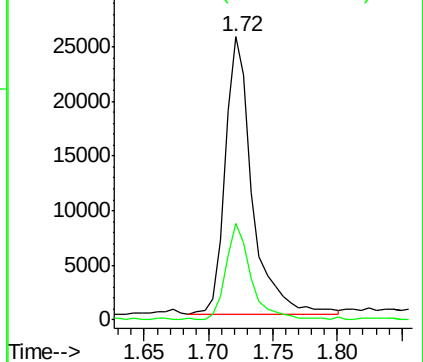
64 100

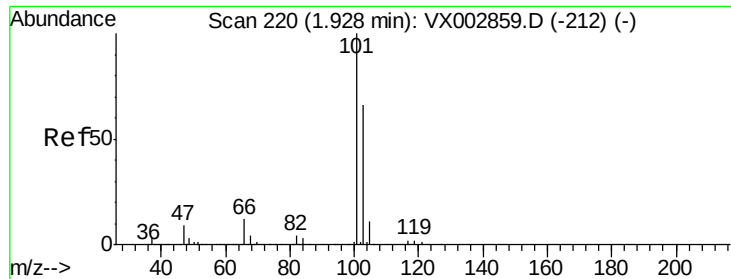
66 34.4 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

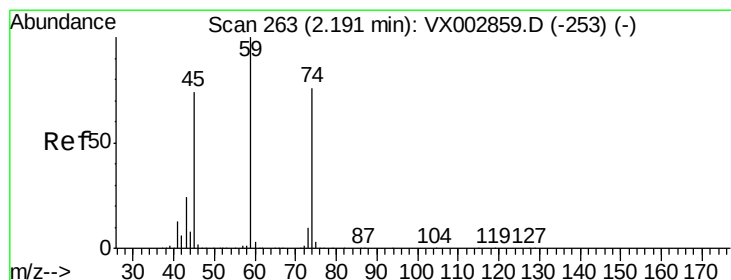
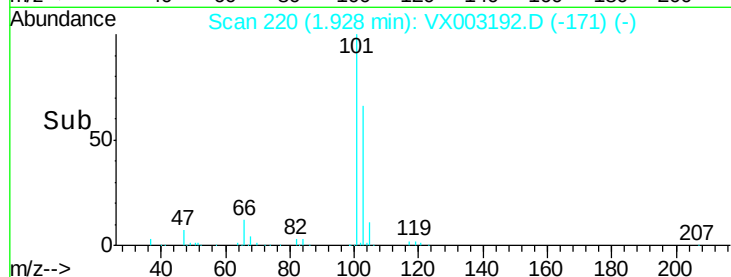
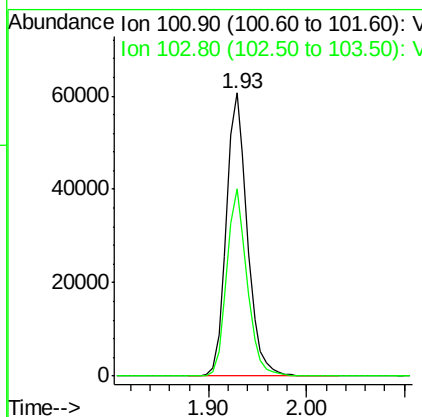
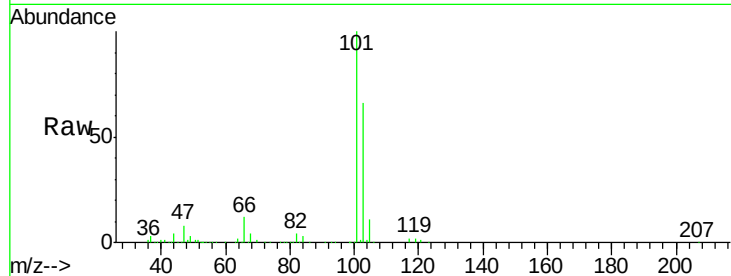
Trichlorofluoromethane
Concen: 17.48 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.00 min
Lab File: VX003192.D
Acq: 06 Jul 2018 01:00

Instrument :
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ClientSampleId :
VX0705WBS04

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.1	52.8	79.2

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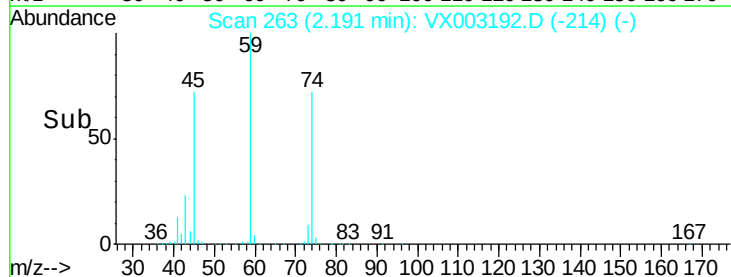
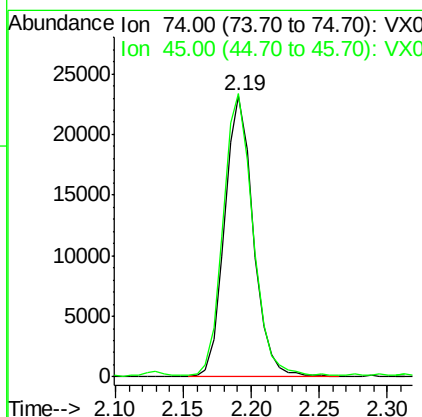
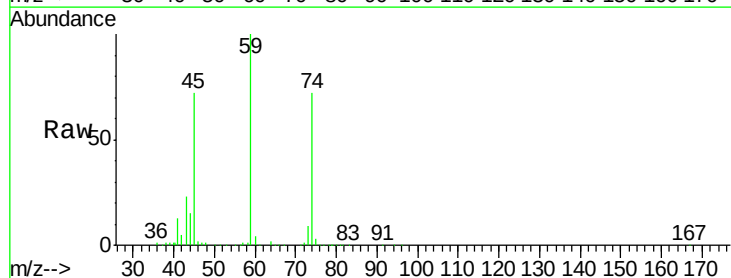
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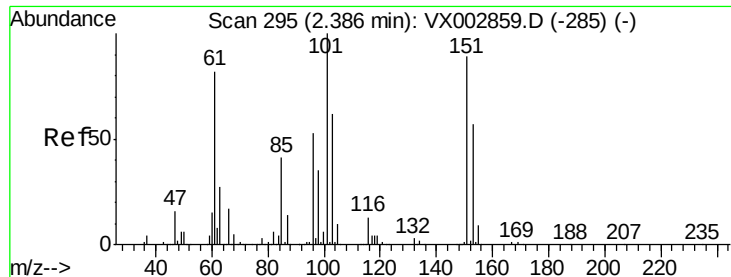


#8

Diethyl Ether
Concen: 18.08 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX003192.D
Acq: 06 Jul 2018 01:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.0	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.83 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX003192.D

Acq: 06 Jul 2018 01:00

Instrument :

MSVOA_X

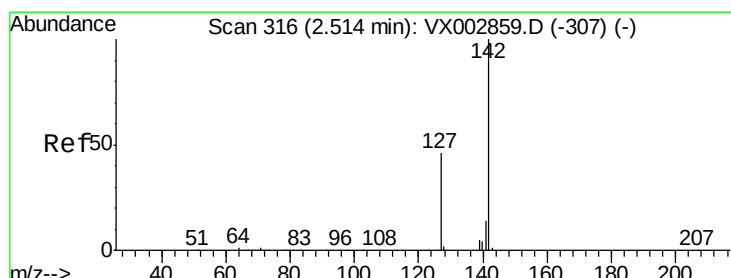
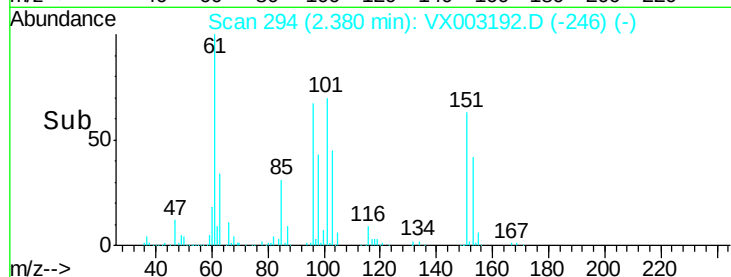
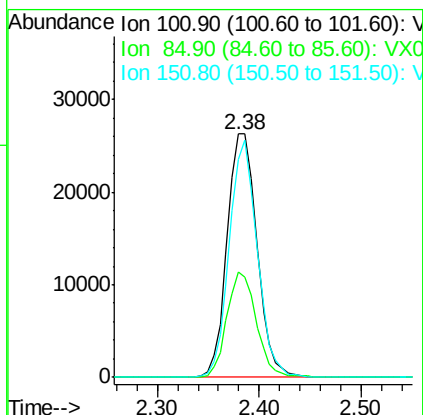
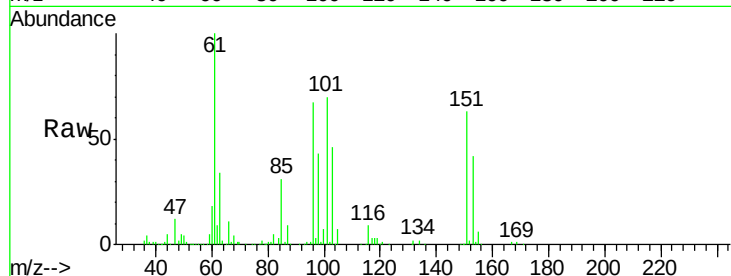
ClientSampleId :

VX0705WBS04

Tot Ion:	101	Resp:	53433
Ion Ratio	Lower	Upper	
101	100		
85	42.5	36.0	54.0
151	90.9	70.9	106.3

Manual Integrations
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#10

Methyl Iodide

Concen: 20.04 ug/l

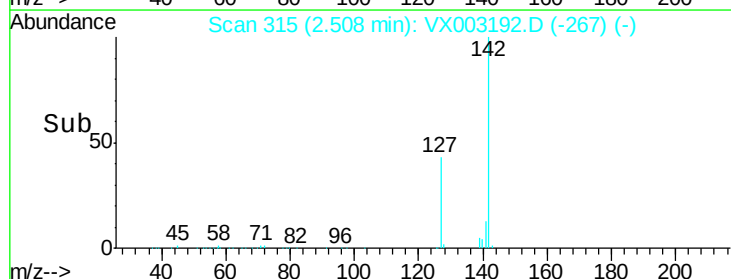
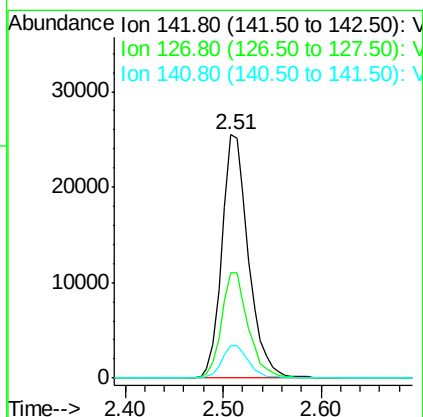
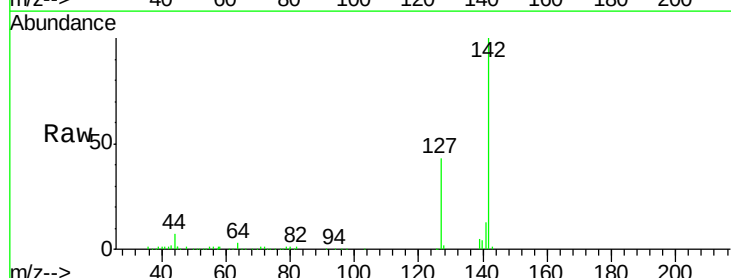
RT: 2.51 min Scan# 315

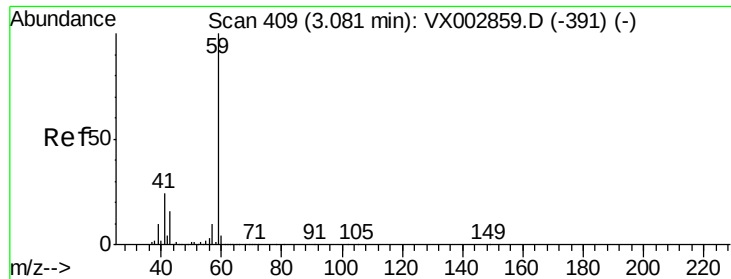
Delta R.T. -0.01 min

Lab File: VX003192.D

Acq: 06 Jul 2018 01:00

Tgt Ion:	142	Resp:	47955
Ion Ratio	Lower	Upper	
142	100		
127	43.5	36.6	55.0
141	13.6	11.3	16.9





#11

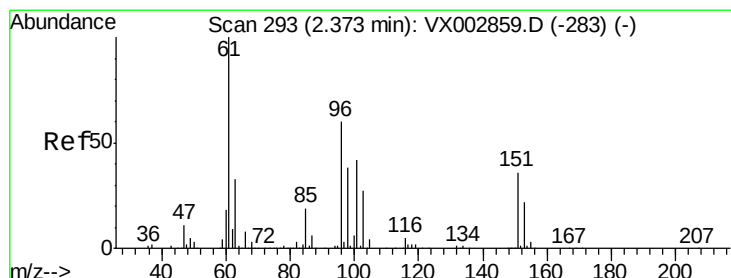
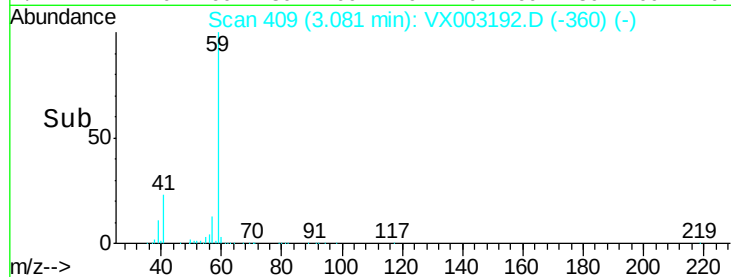
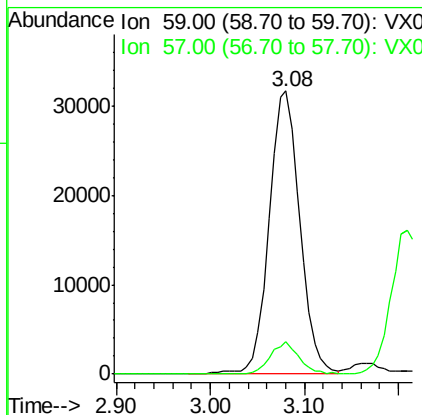
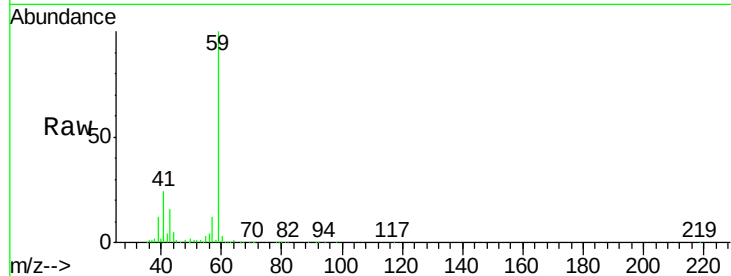
Tert butyl alcohol
 Concen: 96.67 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. 0.00 min
 Lab File: VX003192.D
 Acq: 06 Jul 2018 01:00

Instrument :
 MSVOA_X
 ClientSampled :
 VX0705WBS04

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.2	12.2

Manual Integrations
 APPROVED

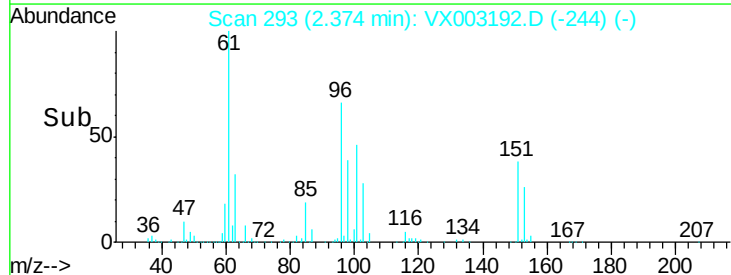
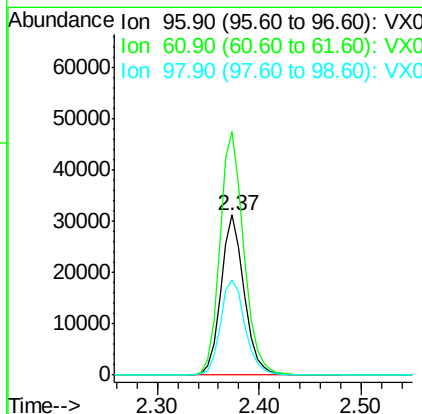
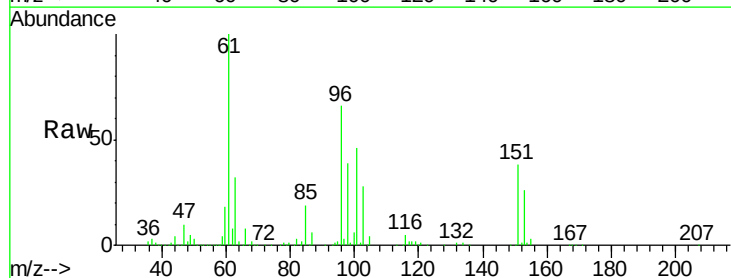
sam
 7/6/2018 4:20:37 PM

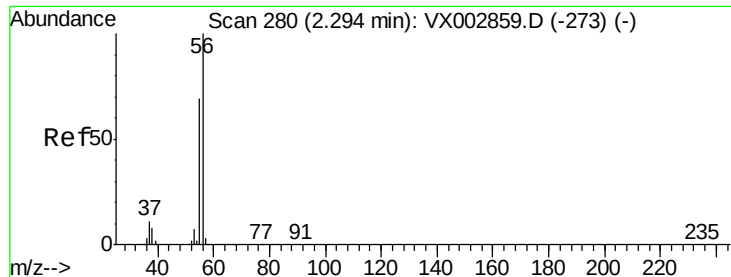


#12

1,1-Dichloroethene
 Concen: 18.52 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. 0.00 min
 Lab File: VX003192.D
 Acq: 06 Jul 2018 01:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.0	137.9	206.9
98	59.3	51.6	77.4





#13

Acrolein

Concen: 66.17 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003192.D

Acq: 06 Jul 2018 01:00

Instrument :

MSVOA_X

ClientSampleId :

VX0705WBS04

Tot Ion: 56 Resp: 26080

Ion Ratio Lower Upper

56 100

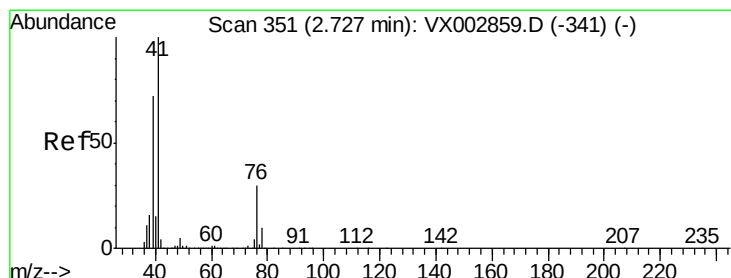
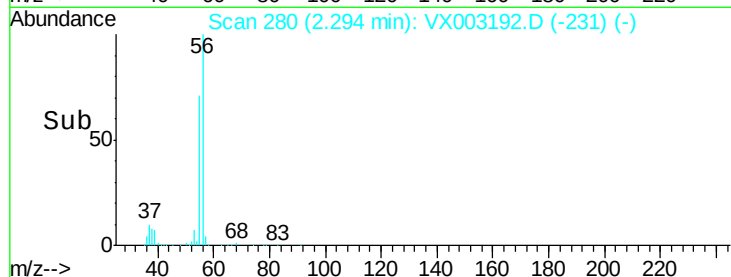
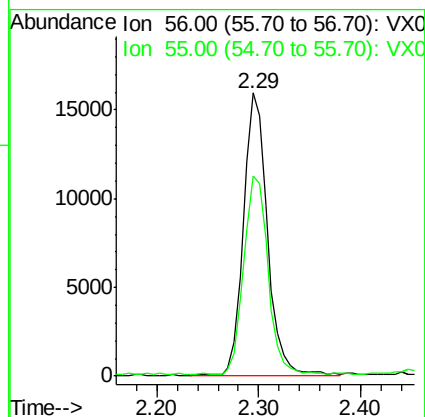
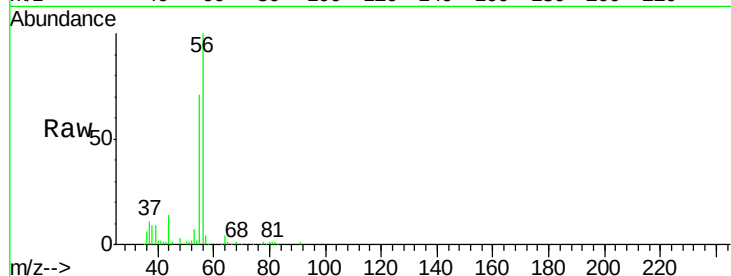
55 71.0 57.0 85.4

Manual Integrations

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sam

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#14

Allyl chloride

Concen: 17.21 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003192.D

Acq: 06 Jul 2018 01:00

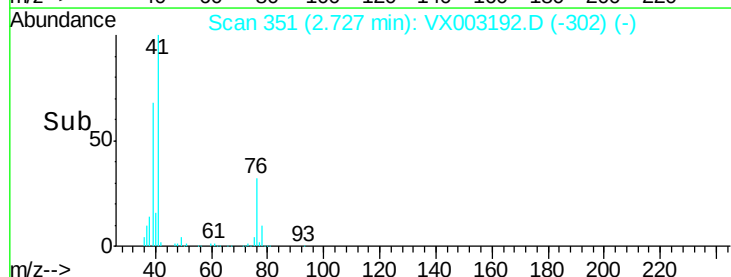
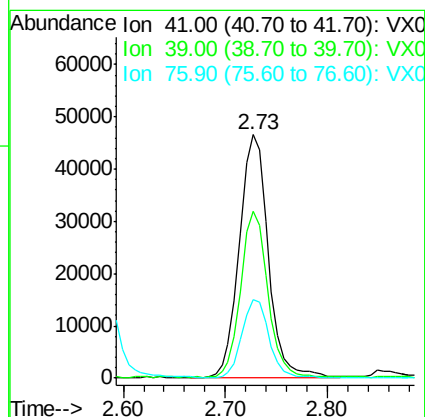
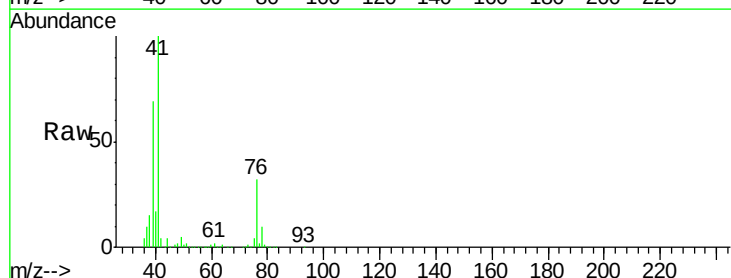
Tgt Ion: 41 Resp: 90735

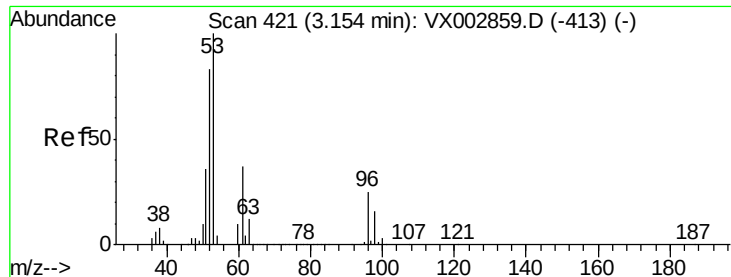
Ion Ratio Lower Upper

41 100

39 64.1 56.8 85.2

76 30.2 23.8 35.8





#15

Acrylonitrile

Concen: 94.68 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003192.D

Acq: 06 Jul 2018 01:00

Instrument :

MSVOA_X

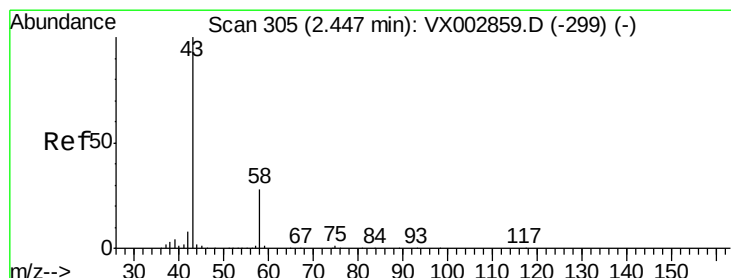
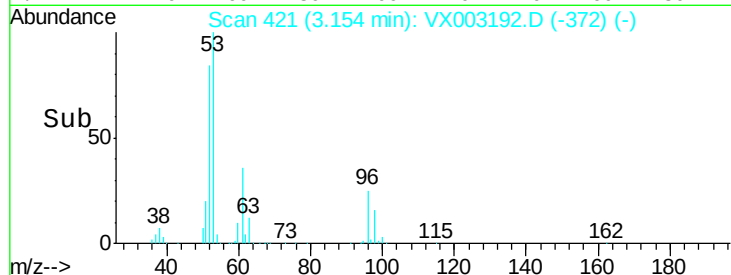
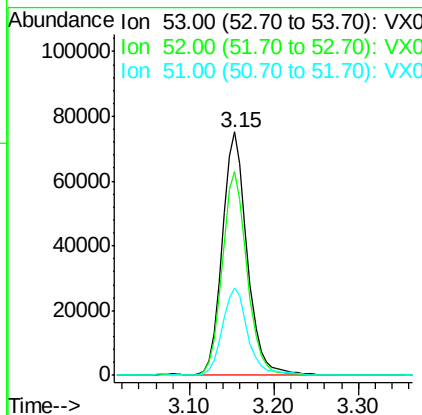
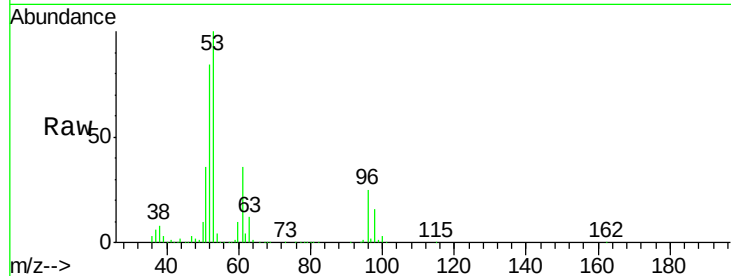
ClientSampled :

VX0705WBS04

Tot Ion:	53	Resp:	150998
Ion	Ratio	Lower	Upper
53	100		
52	83.9	66.7	100.1
51	36.6	29.9	44.9

Manual Integrations
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sam
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#16

Acetone

Concen: 91.16 ug/l

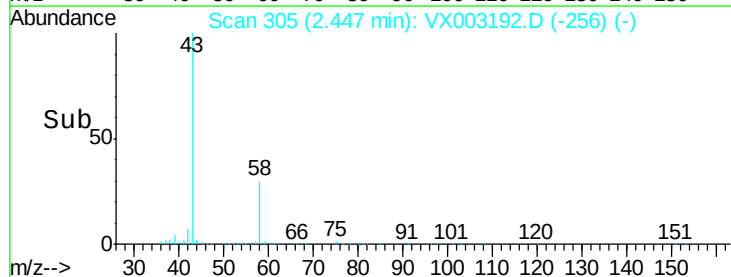
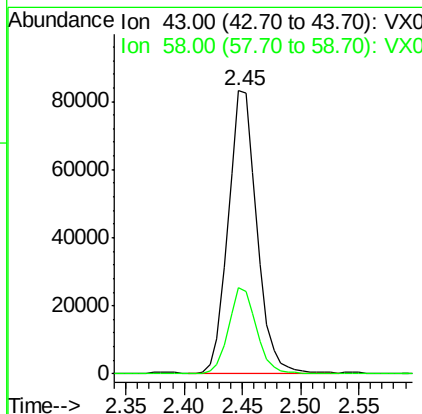
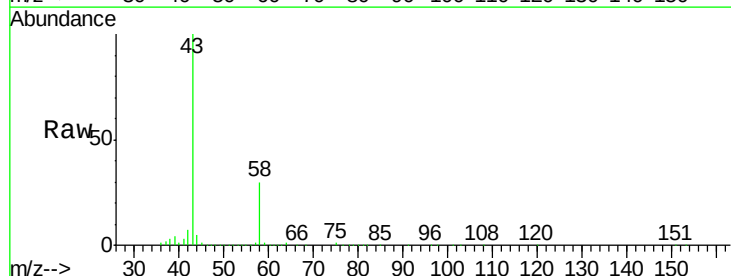
RT: 2.45 min Scan# 305

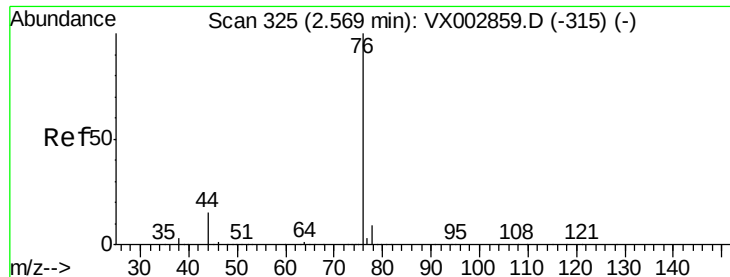
Delta R.T. 0.00 min

Lab File: VX003192.D

Acq: 06 Jul 2018 01:00

Tgt Ion:	43	Resp:	141487
Ion	Ratio	Lower	Upper
43	100		
58	30.3	22.1	33.1





#17

Carbon Disulfide

Concen: 17.70 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX003192.D

Acq: 06 Jul 2018 01:00

Instrument :

MSVOA_X

ClientSampleId :

VX0705WBS04

Tot Ion: 76 Resp: 126110

Ion Ratio Lower Upper

76 100

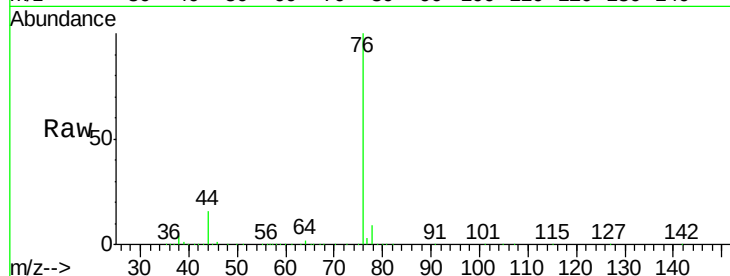
78 8.8 6.9 10.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

80000

60000

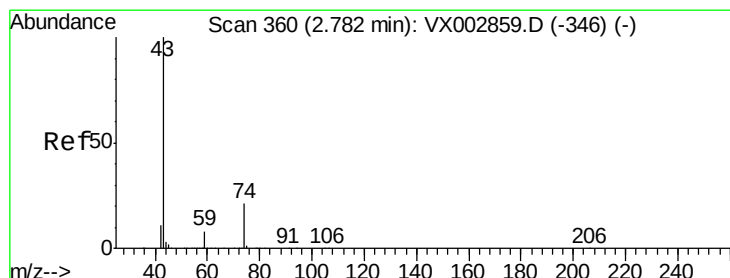
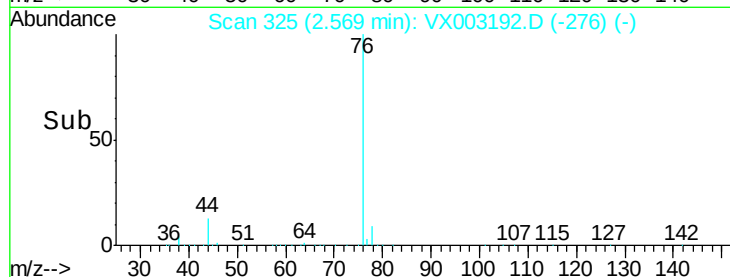
40000

20000

0

Time-->

2.50 2.60 2.70



#18

Methyl Acetate

Concen: 18.03 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX003192.D

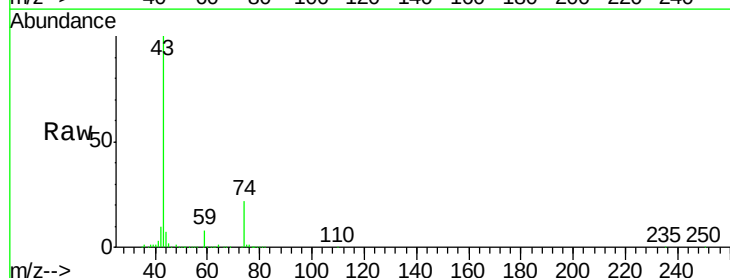
Acq: 06 Jul 2018 01:00

Tgt Ion: 43 Resp: 78235

Ion Ratio Lower Upper

43 100

74 22.8 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

50000

40000

30000

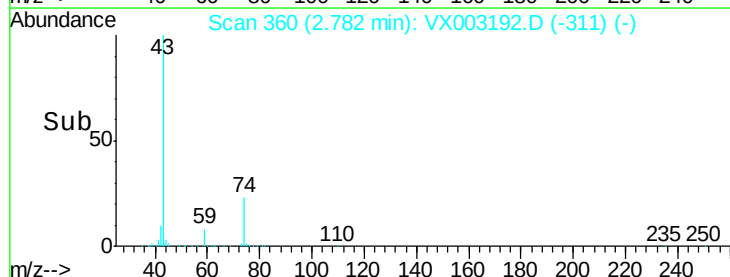
20000

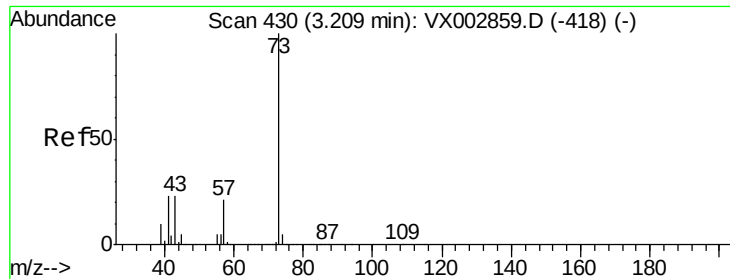
10000

0

Time-->

2.70 2.75 2.80 2.85





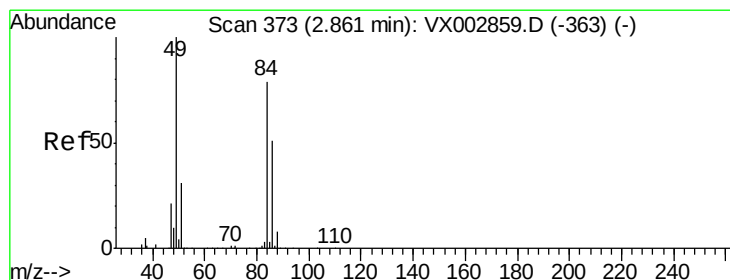
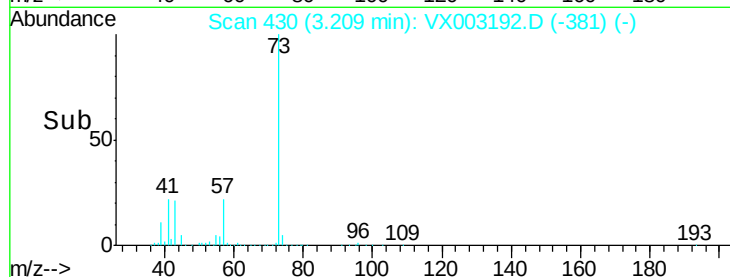
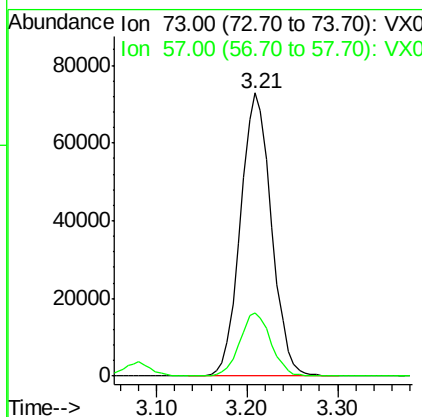
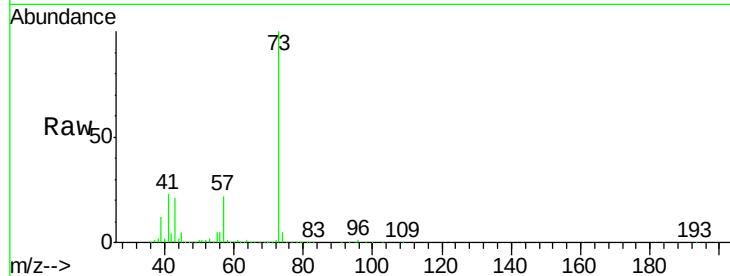
#19
Methyl tert-butyl Ether
Concen: 17.88 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX003192.D
Acq: 06 Jul 2018 01:00

Instrument :
MSVOA_X
ClientSampleId :
VX0705WBS04

Tot Ion: 73 Resp: 171924
Ion Ratio Lower Upper
73 100
57 22.0 17.7 26.5

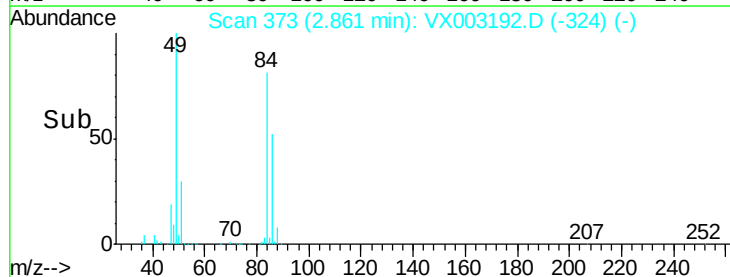
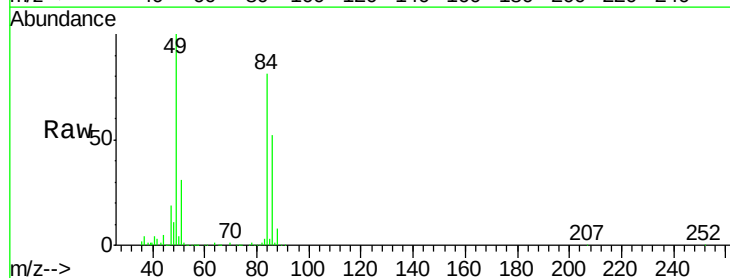
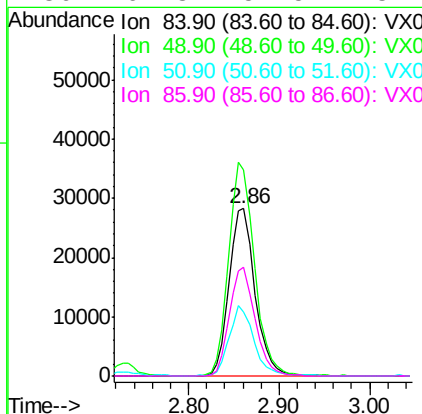
Manual Integrations
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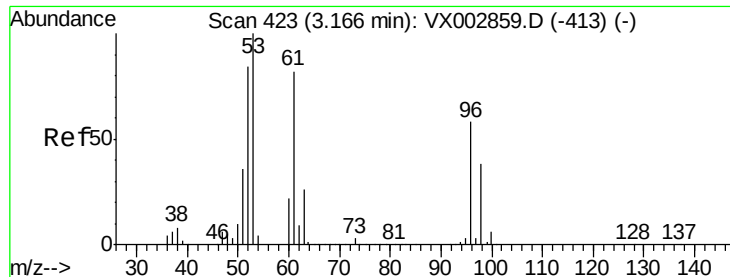
sam
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#20
Methylene Chloride
Concen: 18.66 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX003192.D
Acq: 06 Jul 2018 01:00

Tgt Ion: 84 Resp: 56357
Ion Ratio Lower Upper
84 100
49 123.5 107.8 161.6
51 37.8 32.8 49.2
86 64.8 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 18.04 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX003192.D

Acq: 06 Jul 2018 01:00

Instrument :

MSVOA_X

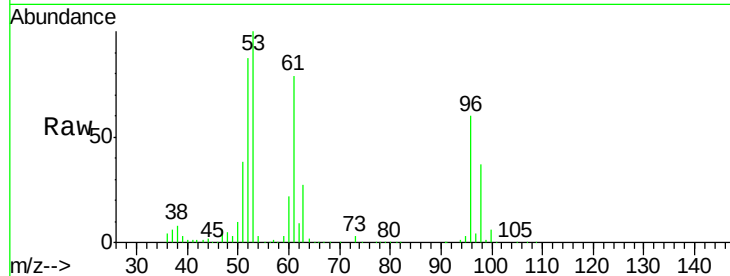
ClientSampleId :

VX0705WBS04

Tot Ion:	96	Resp:	52548
Ion	Ratio	Lower	Upper
96	100		
61	132.8	117.0	175.4
98	62.5	52.4	78.6

Manual Integrations
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sam
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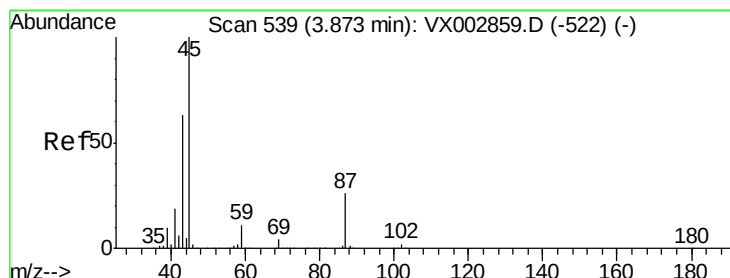
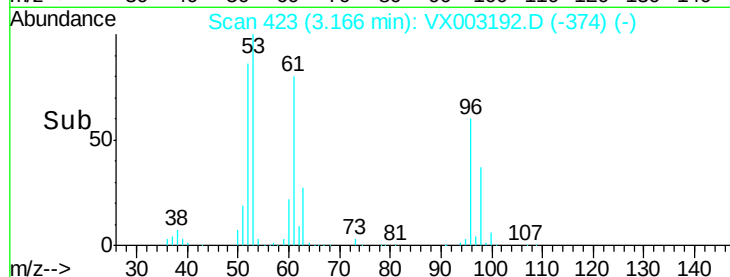
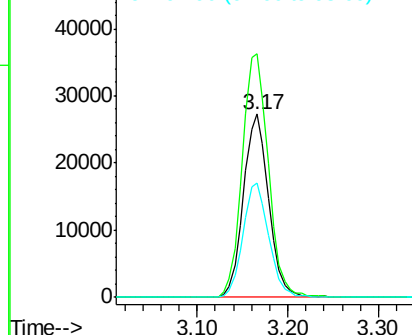


Abundance

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: 18.56 ug/l

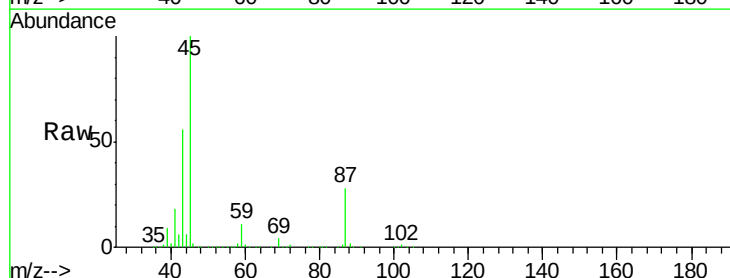
RT: 3.88 min Scan# 540

Delta R.T. 0.01 min

Lab File: VX003192.D

Acq: 06 Jul 2018 01:00

Tgt Ion:	45	Resp:	187045
Ion	Ratio	Lower	Upper
45	100		
43	56.1	46.8	70.2
87	27.7	20.2	30.4
59	11.0	8.7	13.1



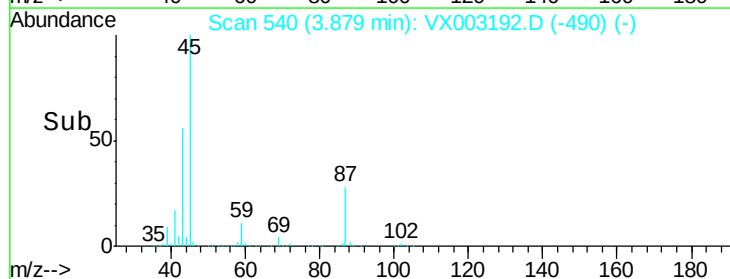
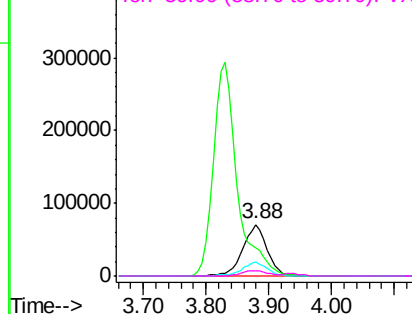
Abundance

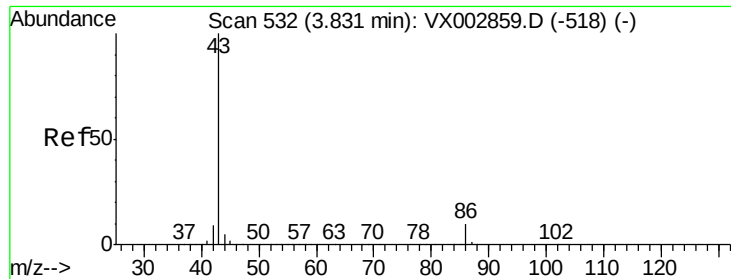
Ion 45.00 (44.70 to 45.70): VX0

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: 90.21 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX003192.D

Acq: 06 Jul 2018 01:00

Instrument :

MSVOA_X

ClientSampleId :

VX0705WBS04

Tot Ion: 43 Resp: 769764

Ion Ratio Lower Upper

43 100

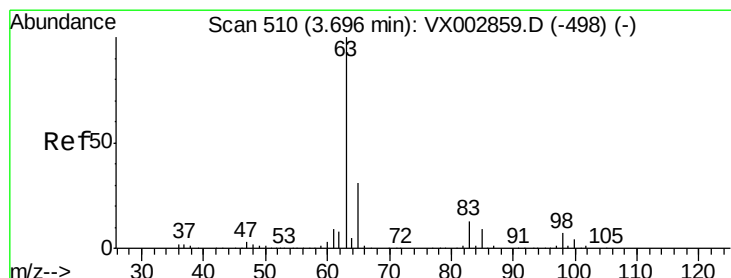
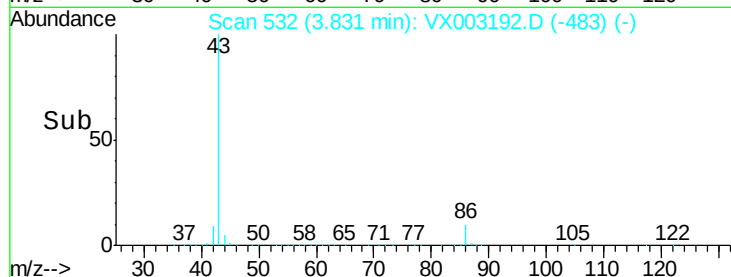
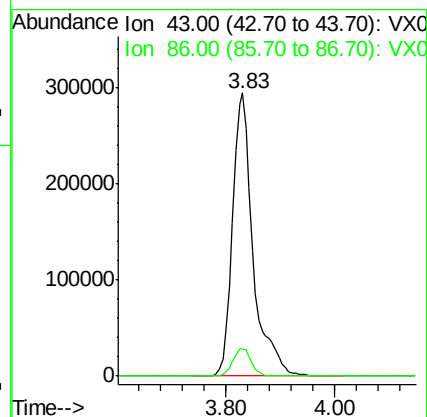
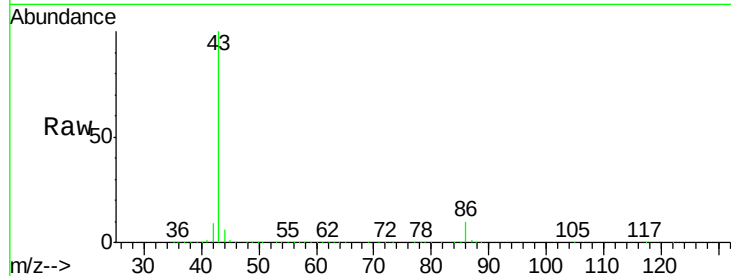
86 9.8 7.4 11.0

Manual Integrations

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sam

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#24

1,1-Dichloroethane

Concen: 18.17 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003192.D

Acq: 06 Jul 2018 01:00

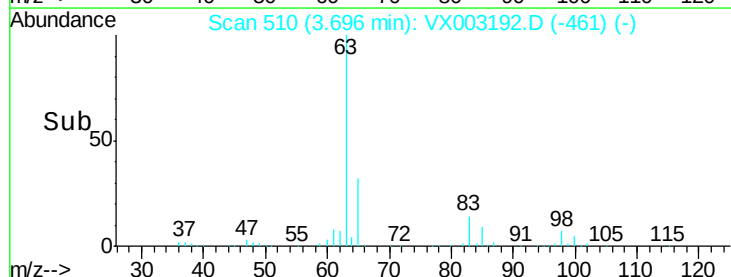
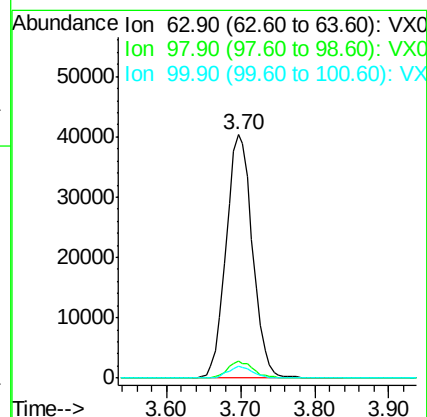
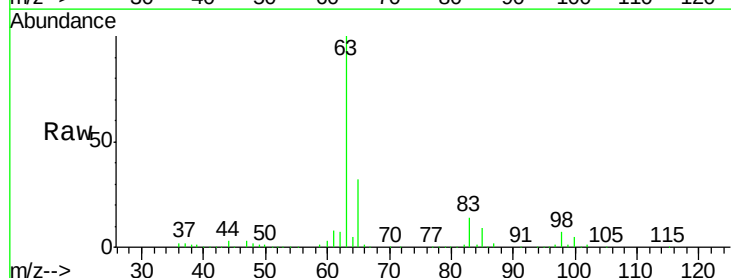
Tgt Ion: 63 Resp: 99495

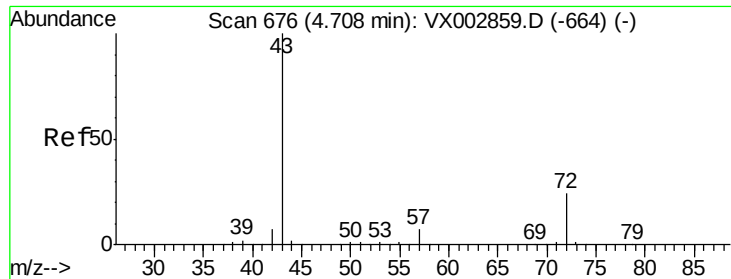
Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.2

100 4.9 2.0 6.0





#25

2-Butanone

Concen: 100.10 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX003192.D

Acq: 06 Jul 2018 01:00

Instrument :

MSVOA_X

ClientSampleId :

VX0705WBS04

Tot Ion: 43 Resp: 230580

Ion Ratio Lower Upper

43 100

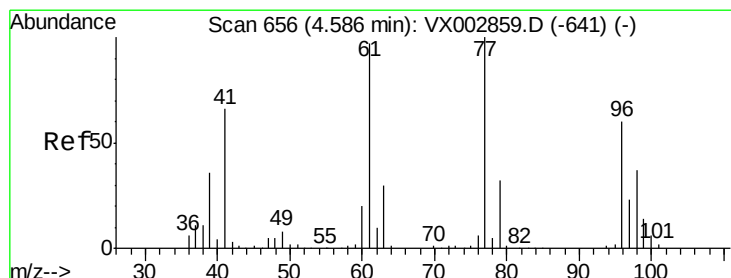
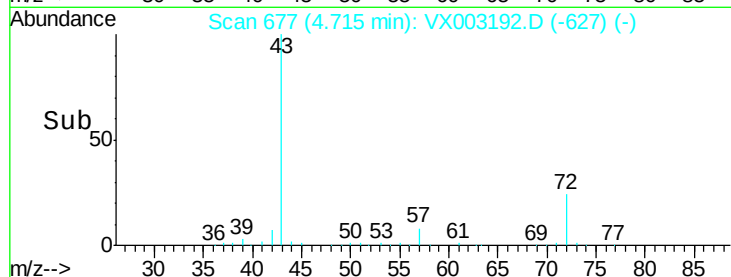
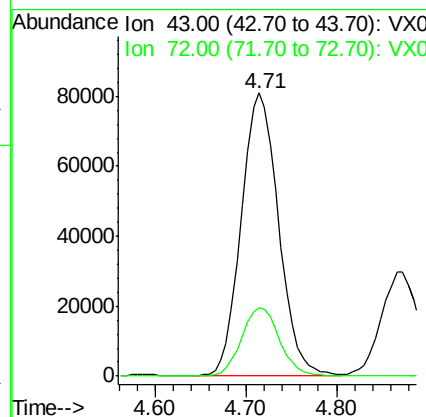
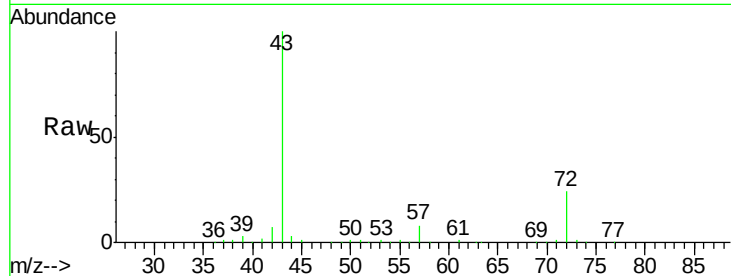
72 24.1 18.5 27.7

Manual Integrations

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sam

7/6/2018 4:20:37 PM



#26

2,2-Dichloropropane

Concen: 10.52 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003192.D

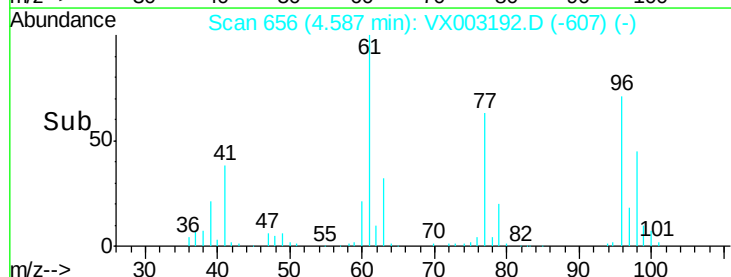
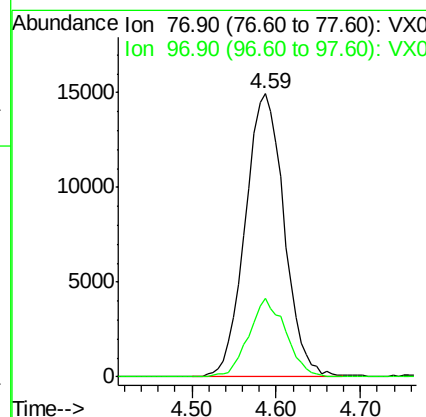
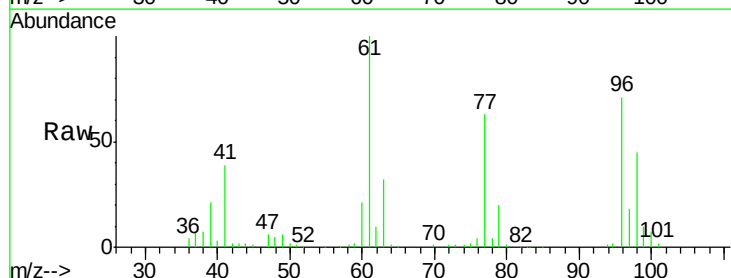
Acq: 06 Jul 2018 01:00

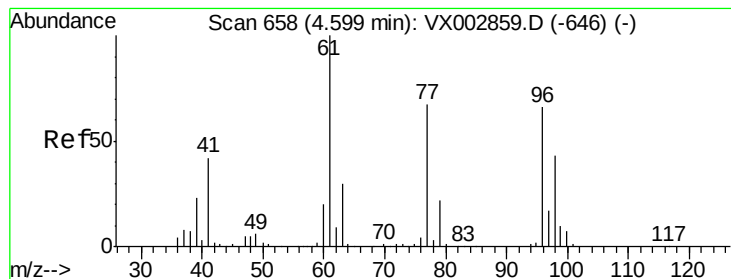
Tgt Ion: 77 Resp: 46839

Ion Ratio Lower Upper

77 100

97 26.5 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 19.24 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX003192.D

Acq: 06 Jul 2018 01:00

Instrument :

MSVOA_X

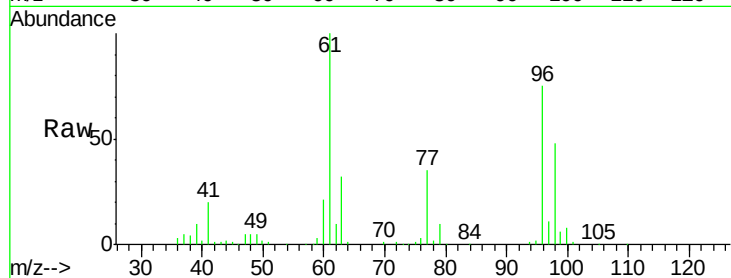
ClientSampleId :

VX0705WBS04

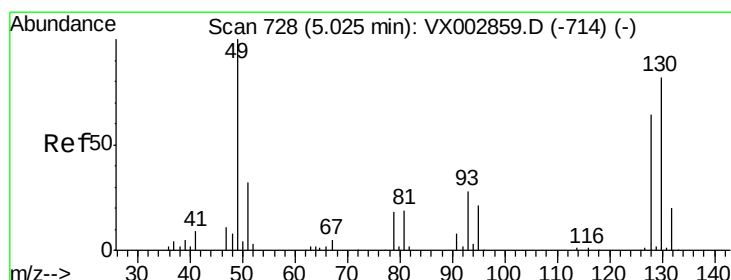
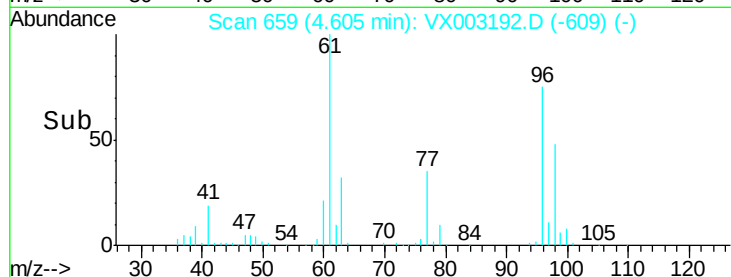
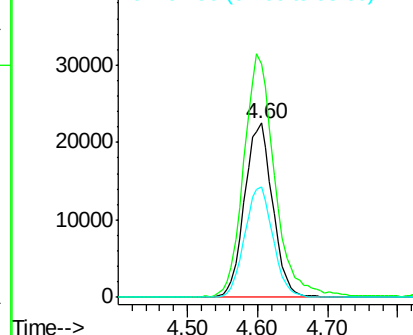
Tot Ion:	96	Resp:	62824
Ion	Ratio	Lower	Upper
96	100		
61	155.4	0.0	330.2
98	63.8	0.0	130.2

Manual Integrations
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sam
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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



#28

Bromochloromethane

Concen: 18.80 ug/l

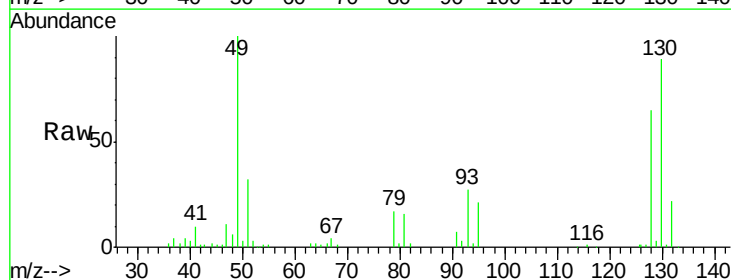
RT: 5.03 min Scan# 728

Delta R.T. 0.00 min

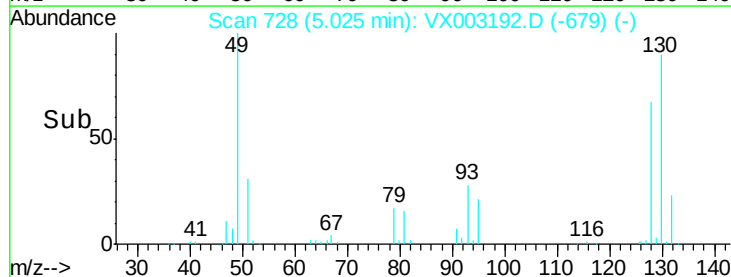
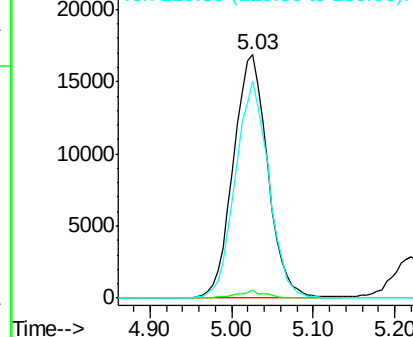
Lab File: VX003192.D

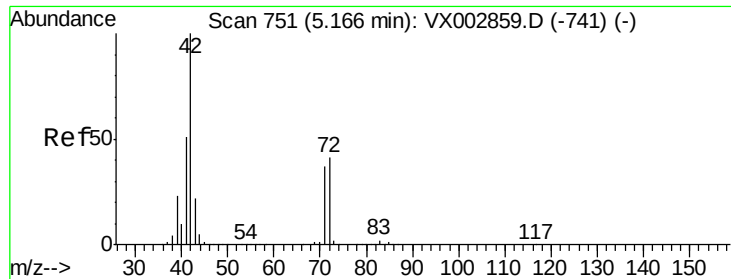
Acq: 06 Jul 2018 01:00

Tgt Ion:	49	Resp:	49275
Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.2
130	86.5	61.2	91.8



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





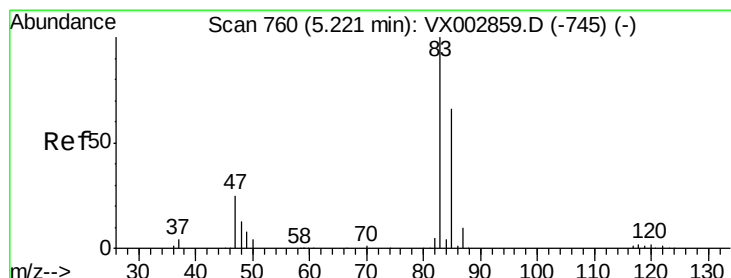
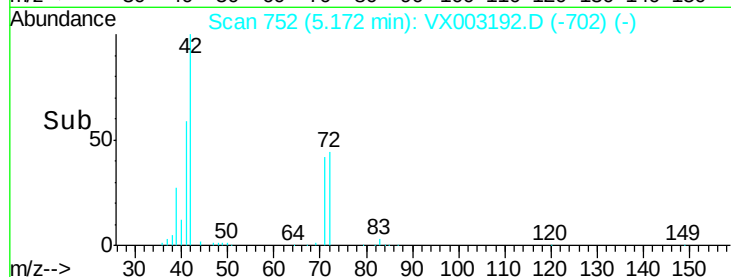
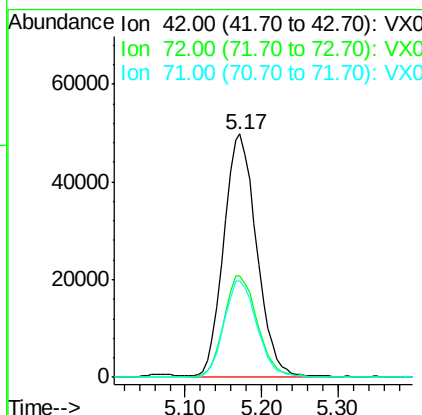
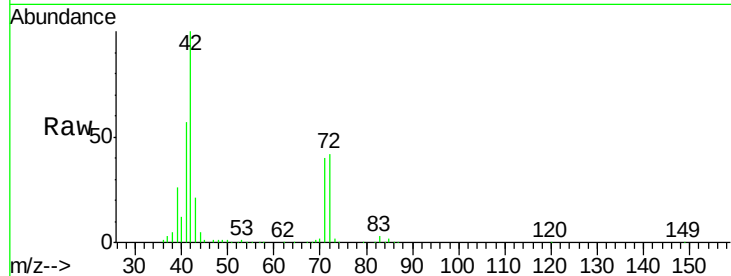
#29
Tetrahydrofuran
Concen: 100.10 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX003192.D
Acq: 06 Jul 2018 01:00

Instrument :
MSVOA_X
ClientSampled :
VX0705WBS04

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.0	32.0	48.0
71	40.1	30.1	45.1

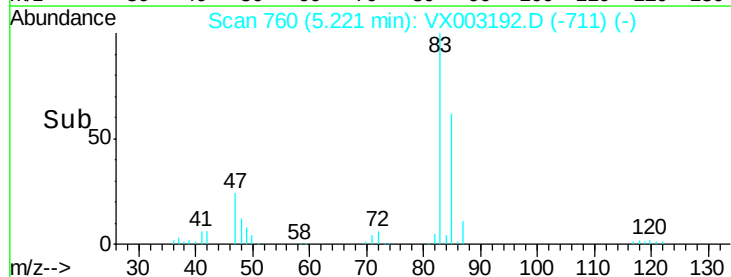
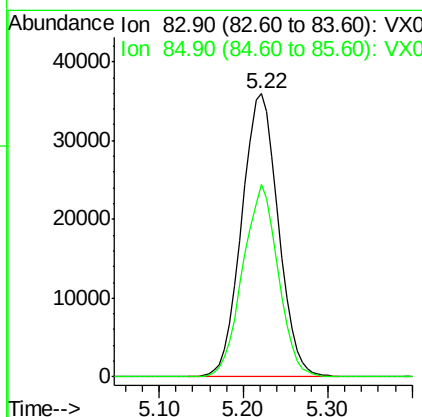
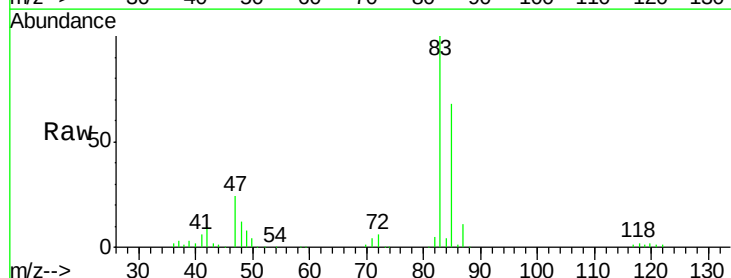
Manual Integrations
APPROVED

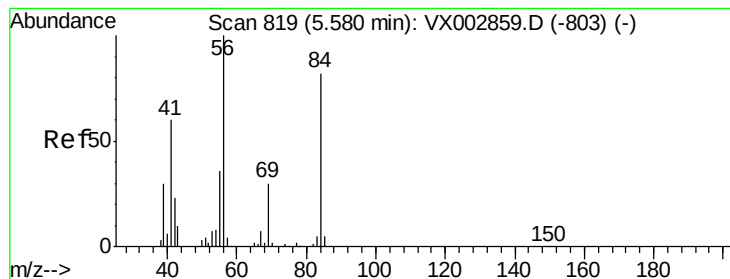
sam
7/6/2018 4:20:37 PM



#30
Chloroform
Concen: 18.83 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX003192.D
Acq: 06 Jul 2018 01:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.0	50.4	75.6





#31

Cyclohexane

Concen: 18.54 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX003192.D

Acq: 06 Jul 2018 01:00

Instrument :

MSVOA_X

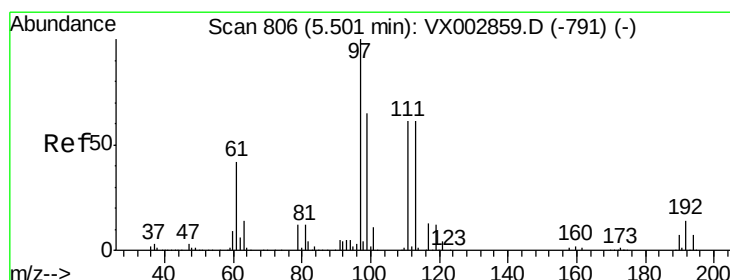
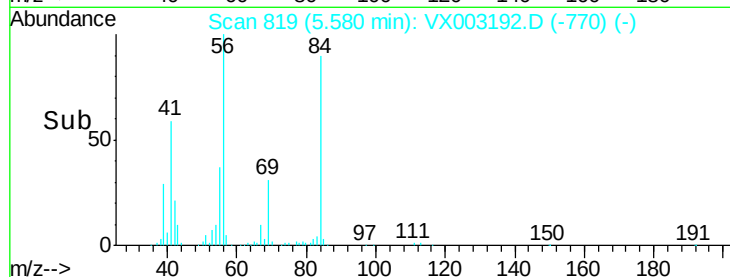
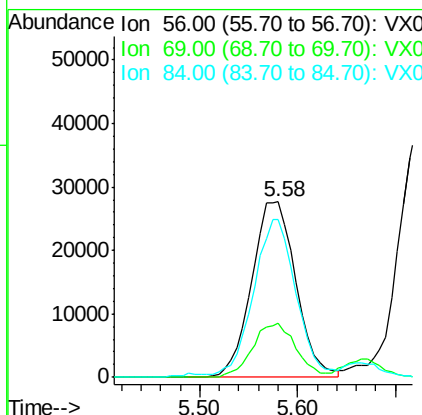
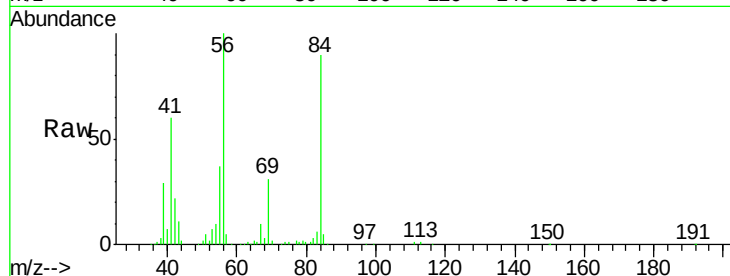
ClientSampled :

VX0705WBS04

Tot Ion:	56	Resp:	87129
Ion	Ratio	Lower	Upper
56	100		
69	30.6	23.7	35.5
84	87.8	64.1	96.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.79 ug/l

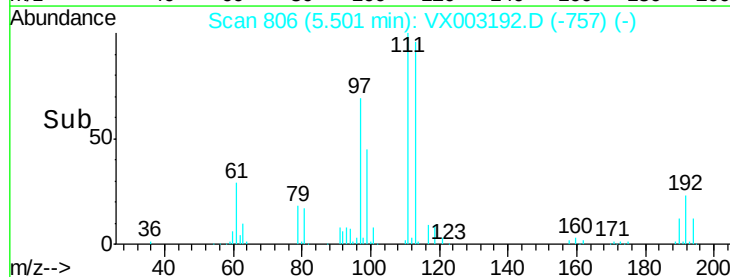
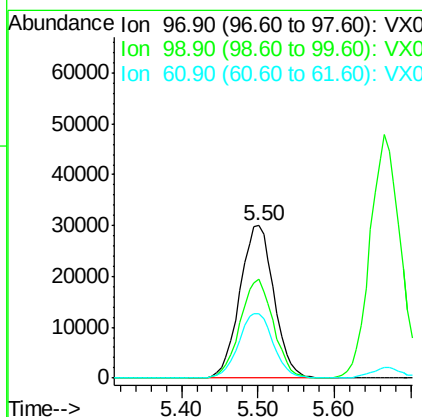
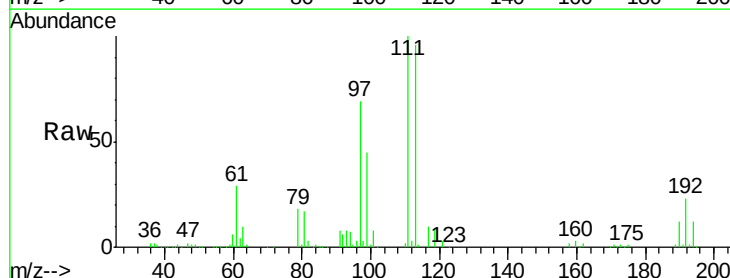
RT: 5.50 min Scan# 806

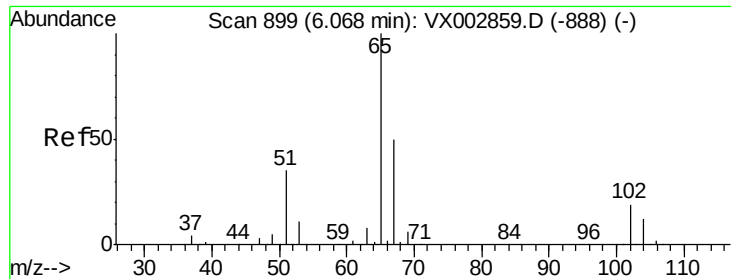
Delta R.T. 0.00 min

Lab File: VX003192.D

Acq: 06 Jul 2018 01:00

Tgt Ion:	97	Resp:	92910
Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.6	77.4
61	43.1	36.4	54.6





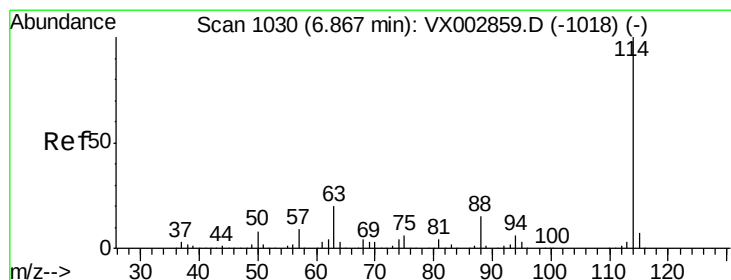
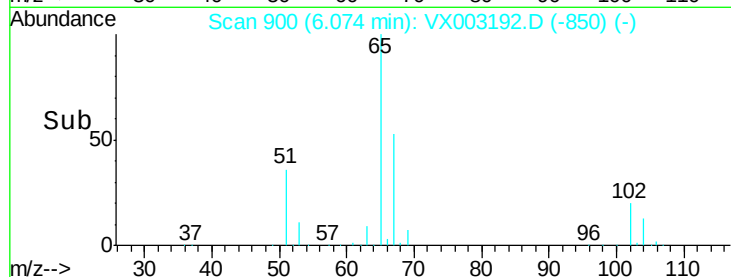
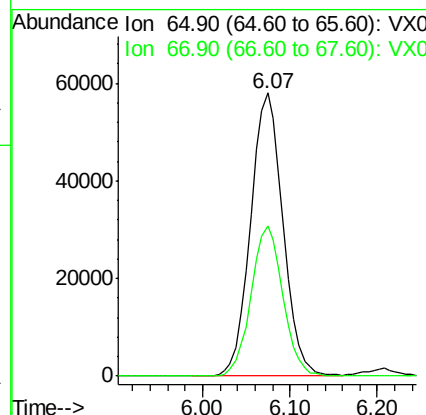
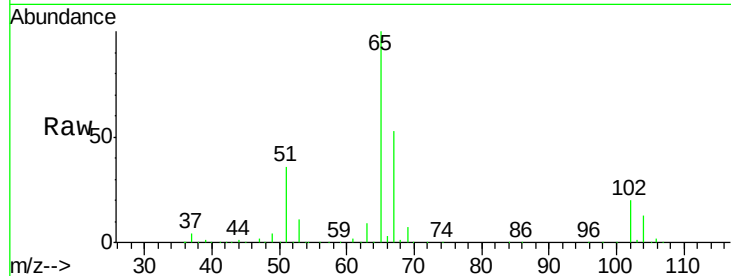
#33
 1,2-Dichloroethane-d4
 Concen: 39.76 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003192.D
 Acq: 06 Jul 2018 01:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0705WBS04

Tot Ion	Ratio	Resp	Lower	Upper
65	100	149030		
67	52.4	0.0	102.6	

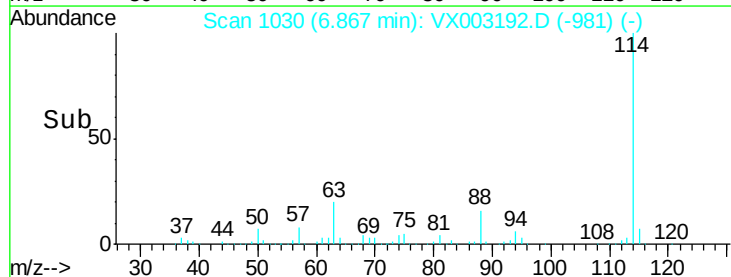
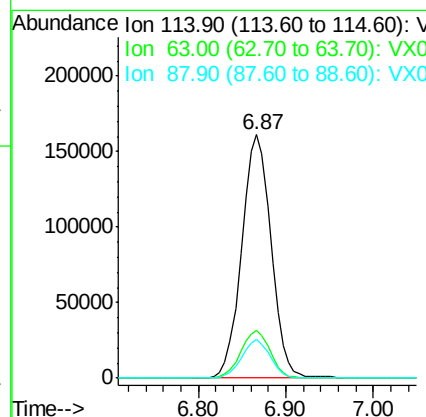
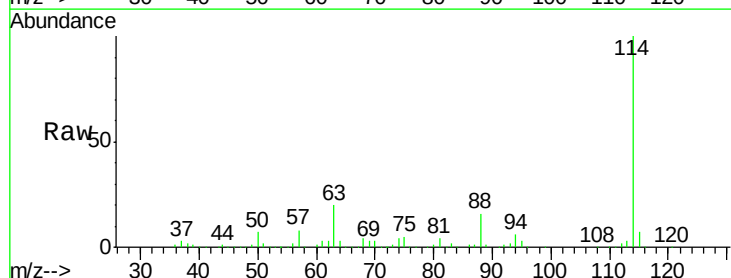
Manual Integrations
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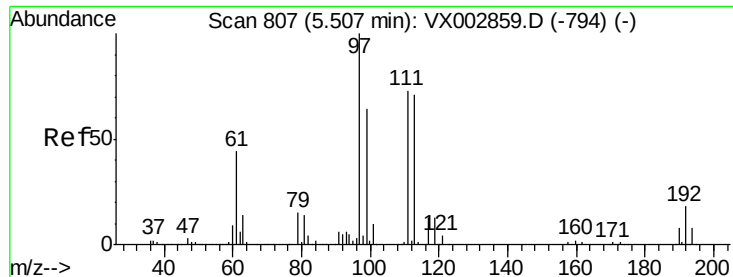
sam
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003192.D
 Acq: 06 Jul 2018 01:00

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	376341		
63	19.8	0.0	41.4	
88	15.7	0.0	30.0	





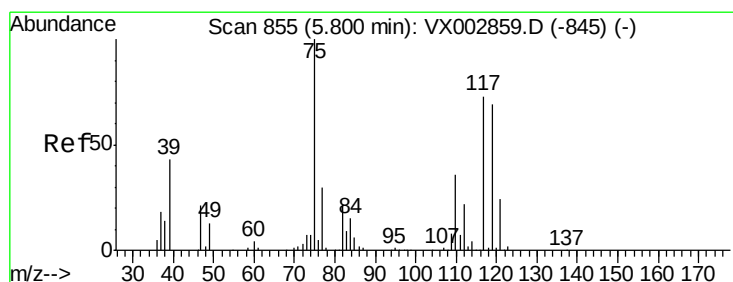
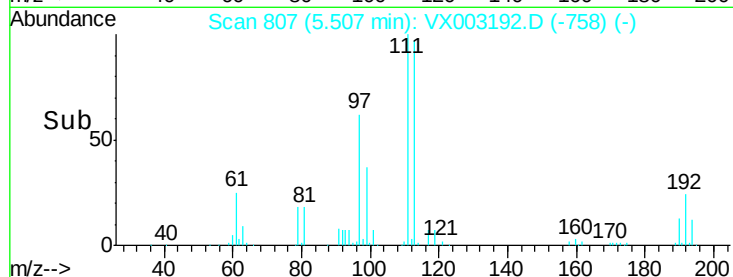
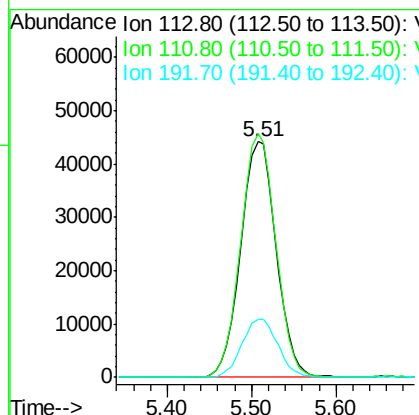
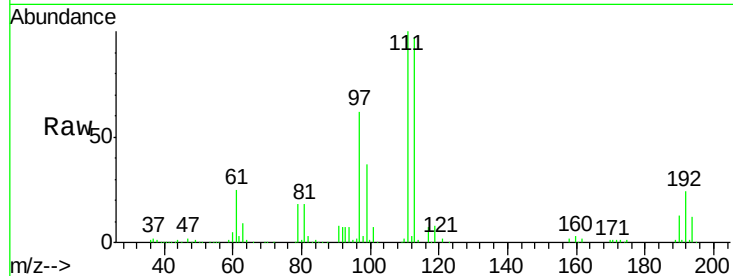
#35
 Dibromofluoromethane
 Concen: 42.25 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX003192.D
 Acq: 06 Jul 2018 01:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0705WBS04

Tot Ion	Ratio	Resp	Lower	Upper
113	100	125920		
111	102.3	81.4	122.0	
192	25.1	19.1	28.7	

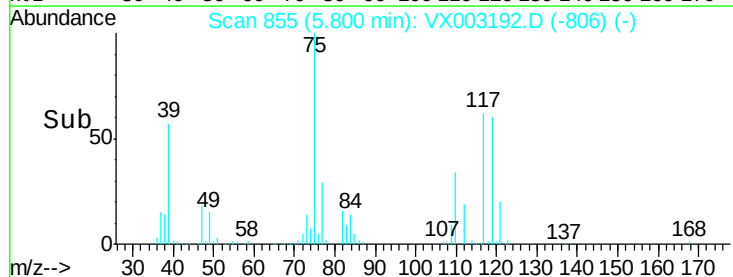
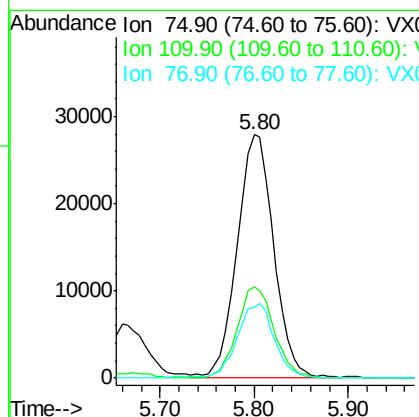
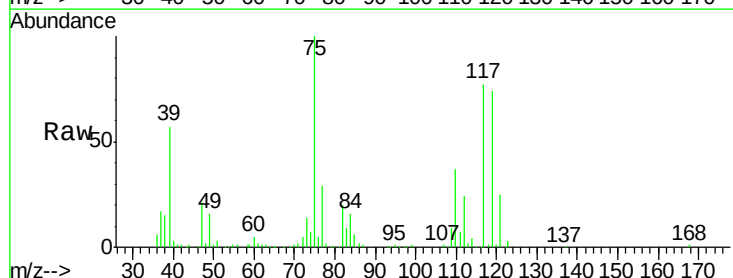
Manual Integrations
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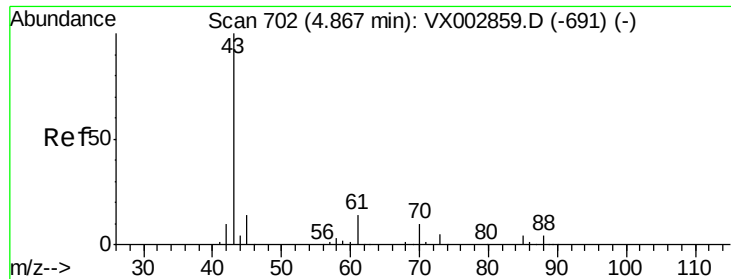
sam
 7/6/2018 4:20:37 PM



#36
 1,1-Dichloropropene
 Concen: 18.27 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VX003192.D
 Acq: 06 Jul 2018 01:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	75414		
110	38.0	18.1	54.4	
77	31.2	24.3	36.5	





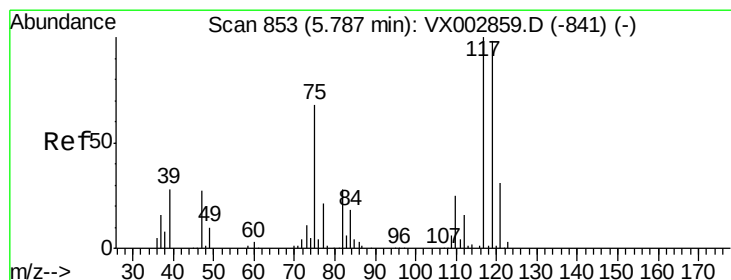
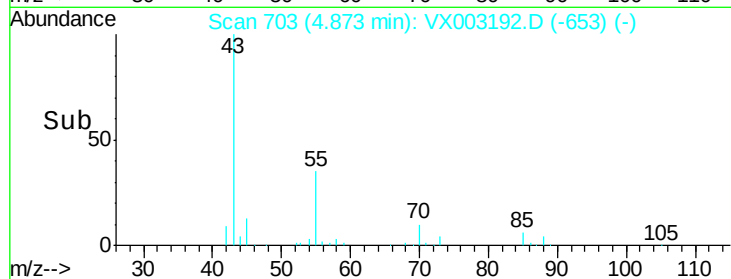
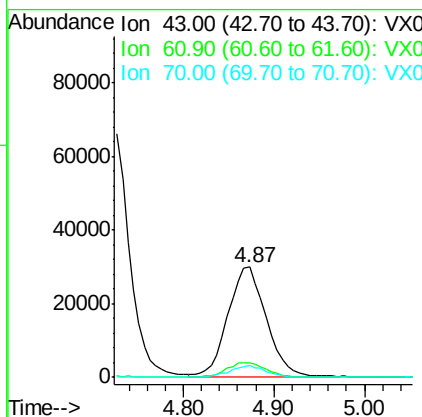
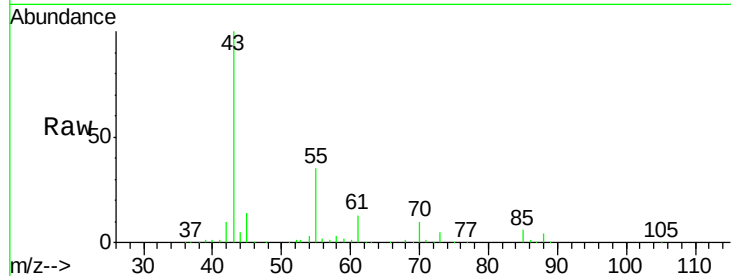
#37
Ethyl Acetate
Concen: 19.50 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.01 min
Lab File: VX003192.D
Acq: 06 Jul 2018 01:00

Instrument :
MSVOA_X
ClientSampled :
VX0705WBS04

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.4	15.6
70	10.4	7.6	11.4

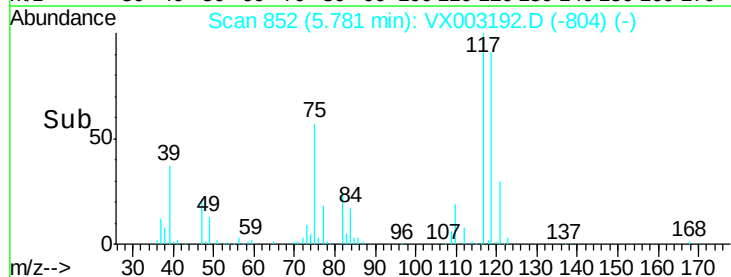
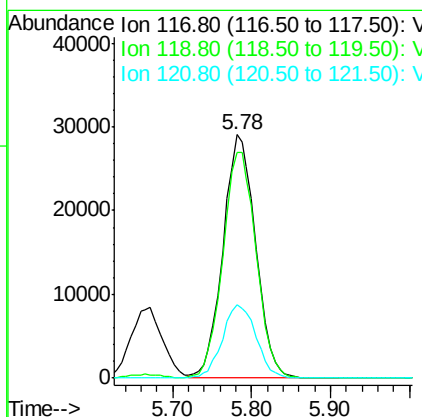
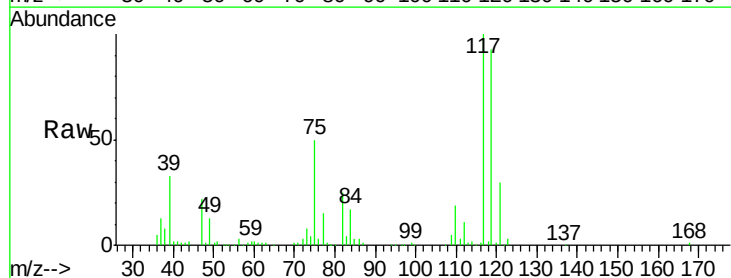
Manual Integrations
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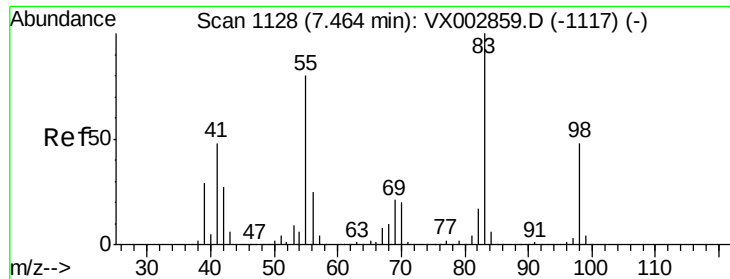
sam
7/6/2018 4:20:37 PM



#38
Carbon Tetrachloride
Concen: 18.43 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX003192.D
Acq: 06 Jul 2018 01:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.5	77.4	116.0
121	30.0	24.4	36.6





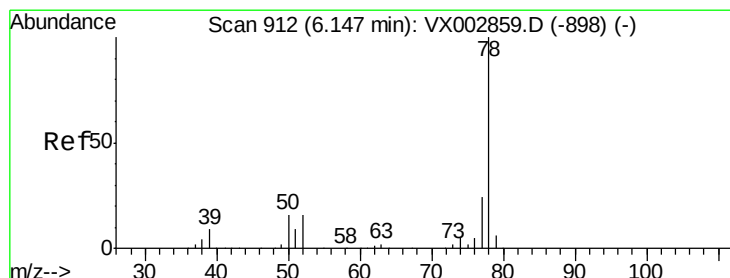
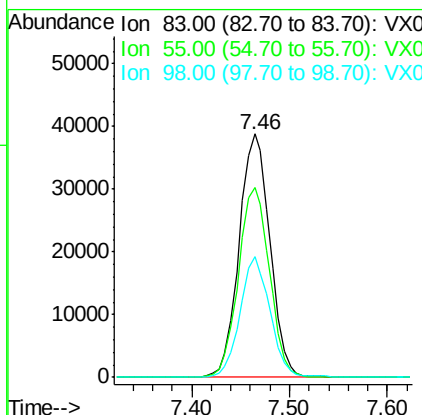
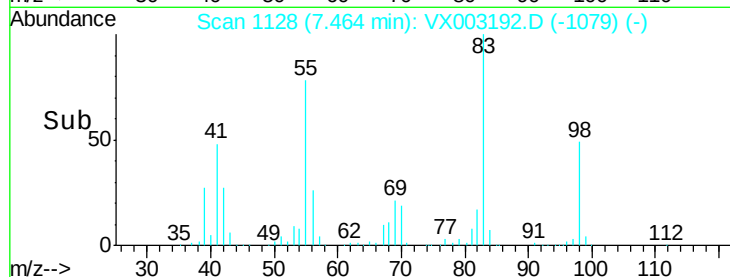
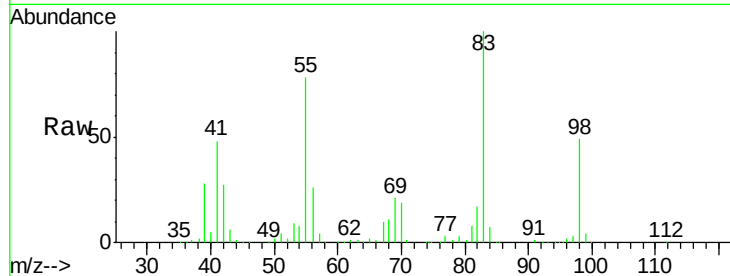
#39
Methylvlcyclohexane
Concen: 17.67 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003192.D
Acq: 06 Jul 2018 01:00

Instrument :
MSVOA_X
ClientSampled :
VX0705WBS04

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.2	65.4	98.0
98	49.5	37.4	56.0

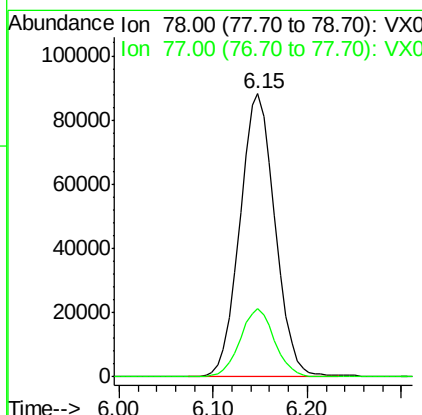
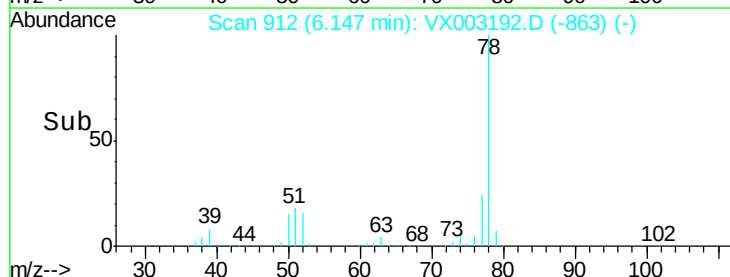
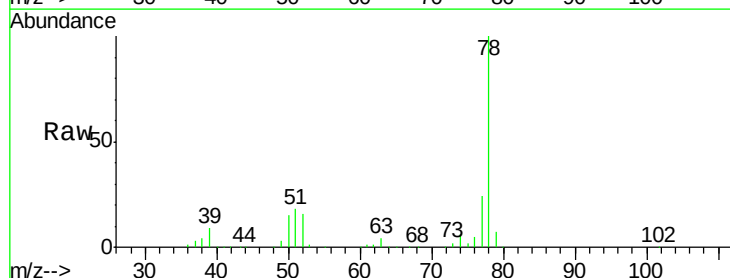
Manual Integrations
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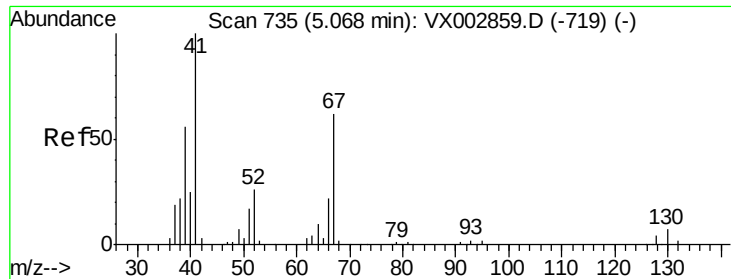
sam
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#40
Benzene
Concen: 19.21 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003192.D
Acq: 06 Jul 2018 01:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.1	28.7





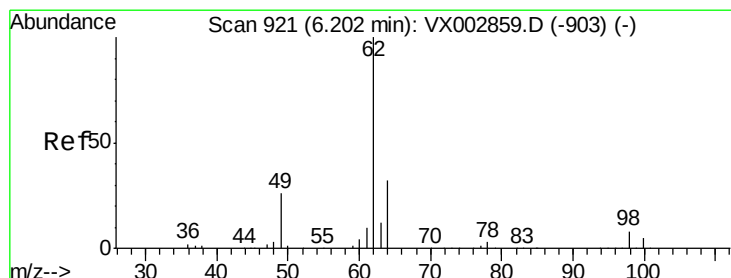
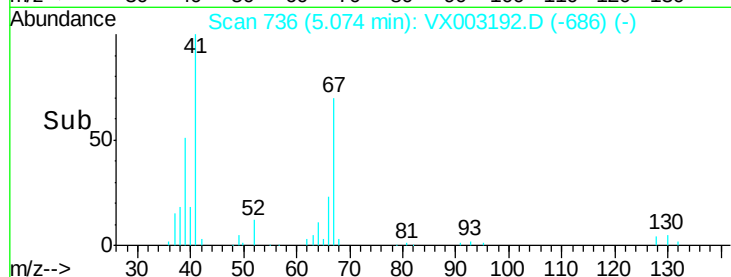
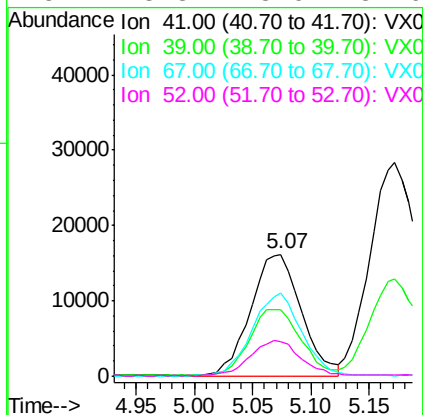
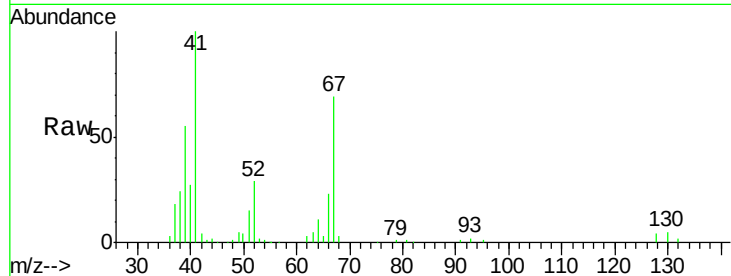
#41
Methacrylonitrile
Concen: 18.97 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.01 min
Lab File: VX003192.D
Acq: 06 Jul 2018 01:00

Instrument :
MSVOA_X
ClientSampleId :
VX0705WBS04

Tot Ion:	41	Resp:	48550
Ion	Ratio	Lower	Upper
41	100		
39	54.9	45.8	68.6
67	68.1	51.3	76.9
52	28.3	23.0	34.6

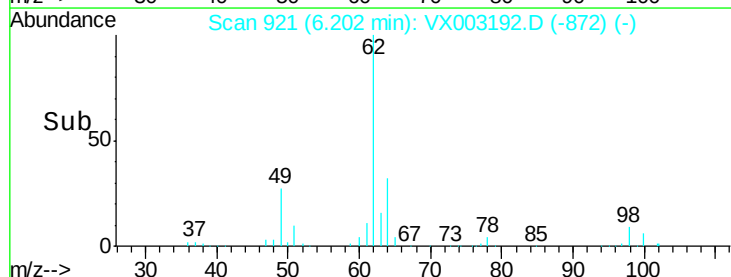
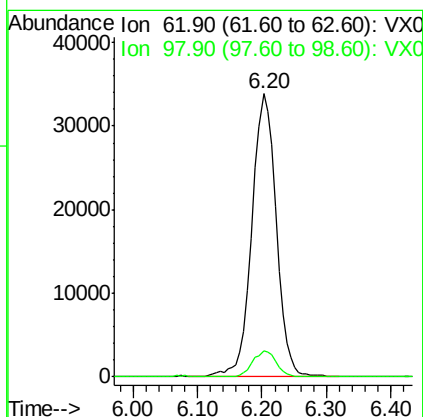
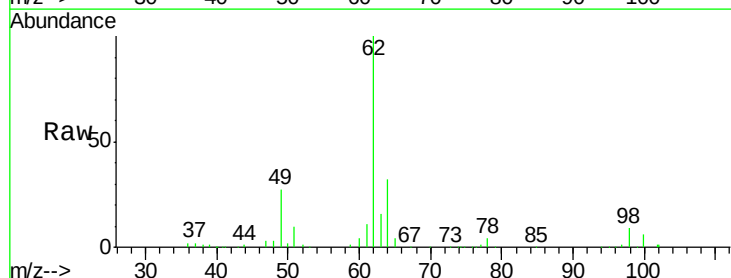
Manual Integrations
APPROVED

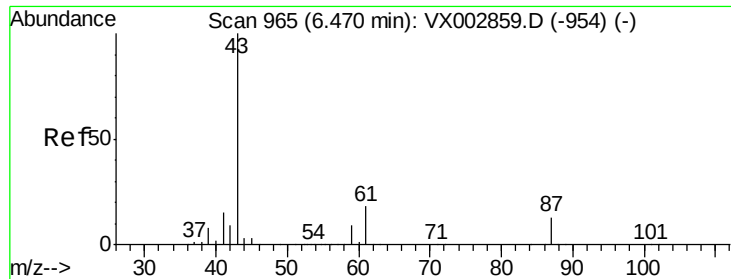
sam
7/6/2018 4:20:37 PM



#42
1,2-Dichloroethane
Concen: 18.12 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003192.D
Acq: 06 Jul 2018 01:00

Tgt Ion:	62	Resp:	87754
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	16.6





#43

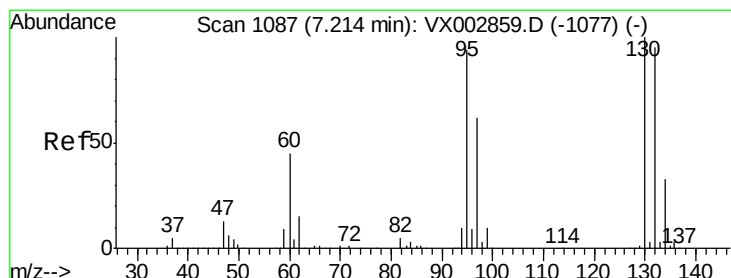
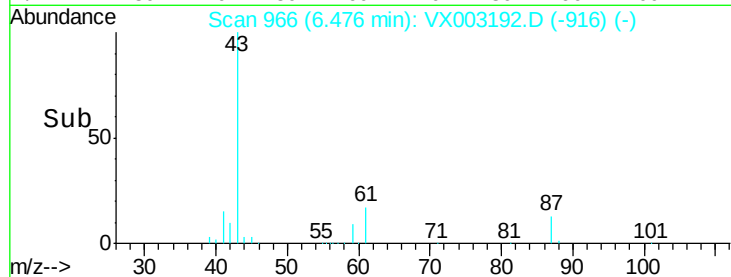
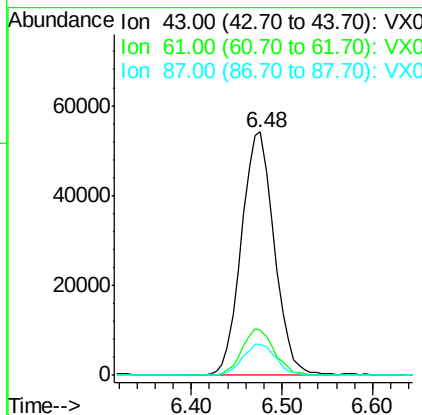
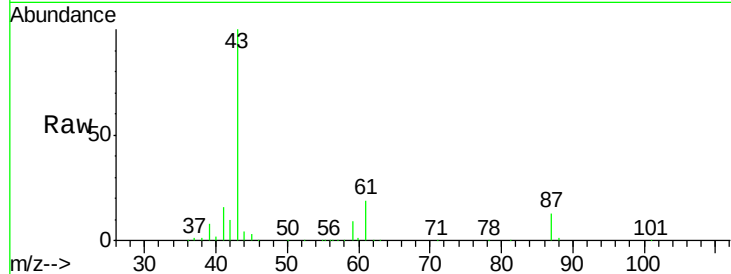
Isopropyl Acetate
 Concen: 18.16 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. 0.01 min
 Lab File: VX003192.D
 Acq: 06 Jul 2018 01:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0705WBS04

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.0	14.4	21.6
87	13.0	9.5	14.3

Manual Integrations
 APPROVED

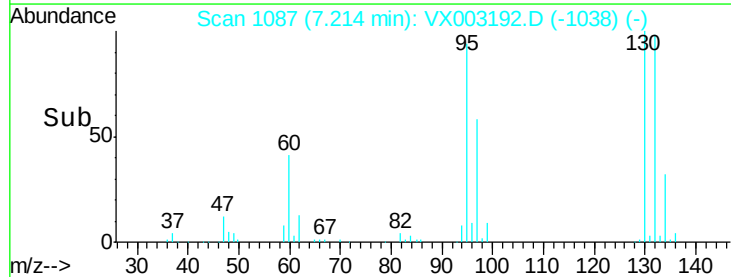
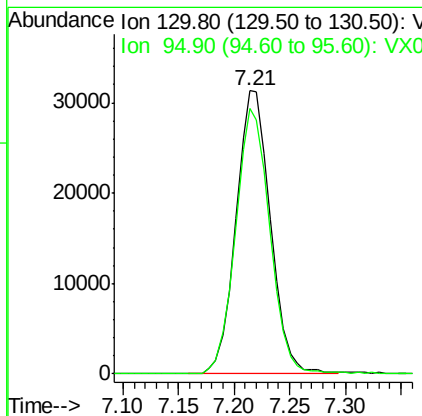
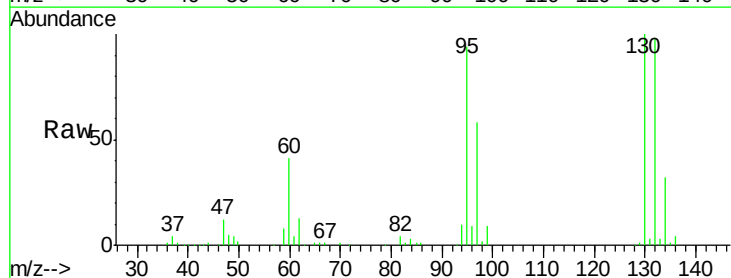
sam
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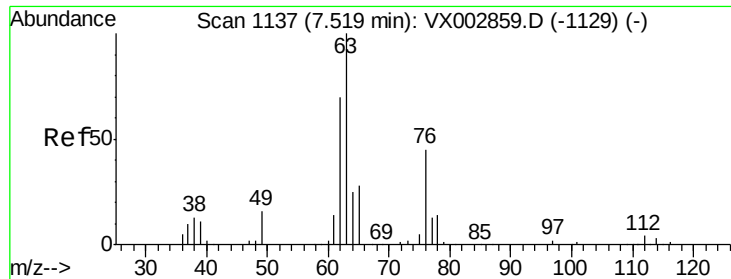


#44

Trichloroethene
 Concen: 18.78 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX003192.D
 Acq: 06 Jul 2018 01:00

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.9	0.0	185.4





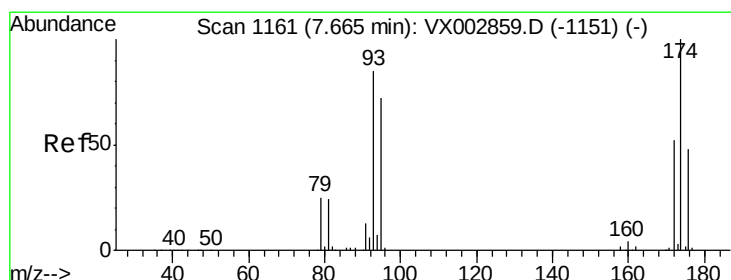
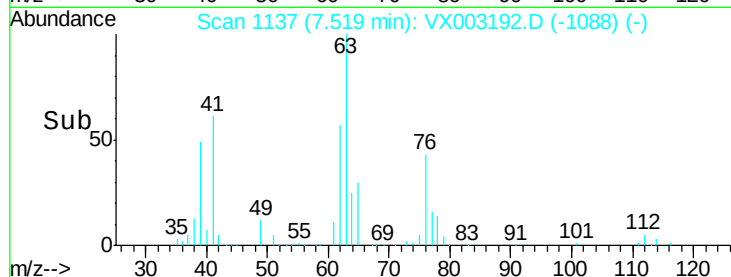
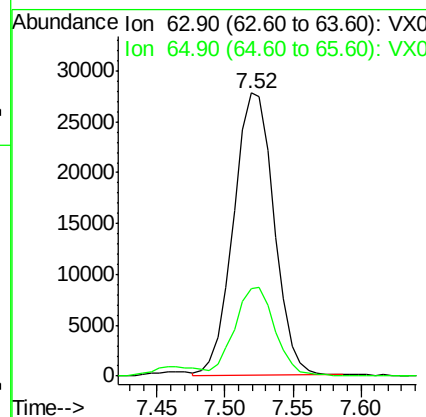
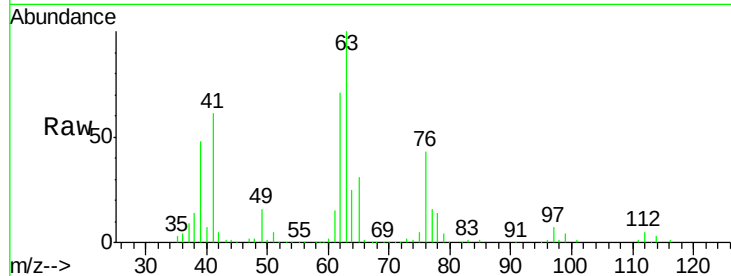
#45
 1,2-Dichloropropane
 Concen: 18.17 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003192.D
 Acq: 06 Jul 2018 01:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0705WBS04

Tot Ion: 63 Resp: 57786
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.7 37.1

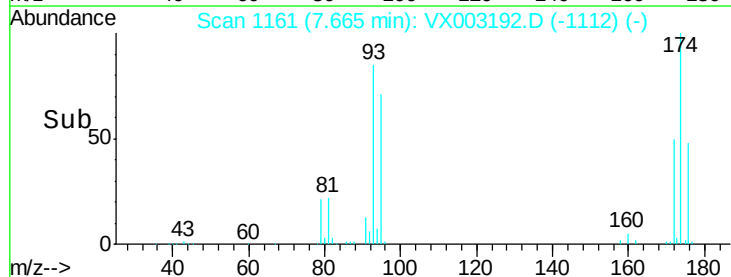
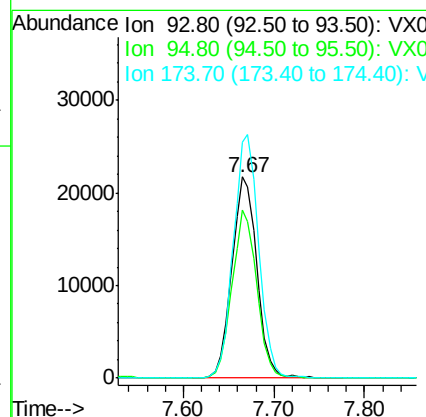
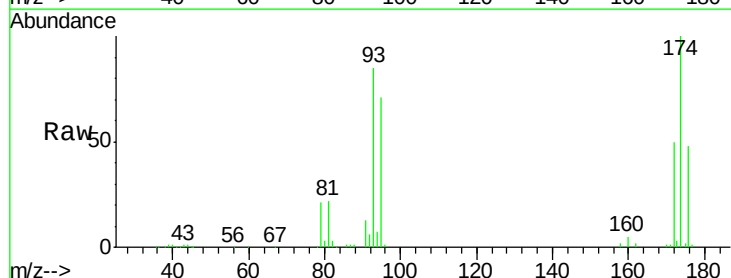
Manual Integrations
 APPROVED

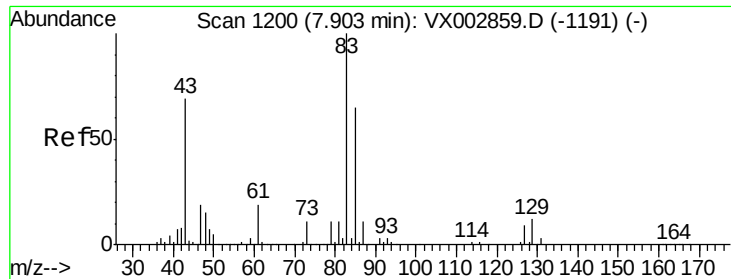
sam
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#46
 Dibromomethane
 Concen: 18.86 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003192.D
 Acq: 06 Jul 2018 01:00

Tgt Ion: 93 Resp: 41627
 Ion Ratio Lower Upper
 93 100
 95 82.3 65.9 98.9
 174 122.3 92.4 138.6





#47

Bromodichloromethane

Concen: 18.59 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003192.D

Acq: 06 Jul 2018 01:00

Instrument :

MSVOA_X

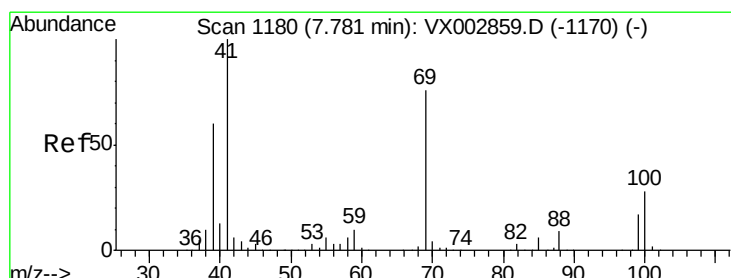
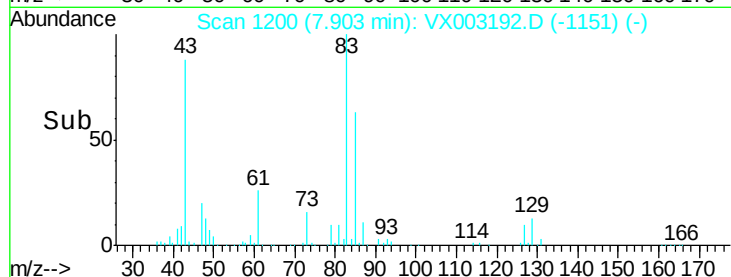
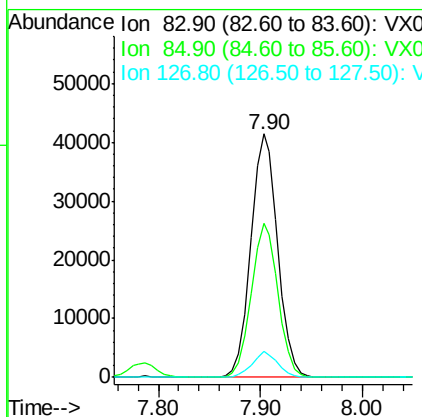
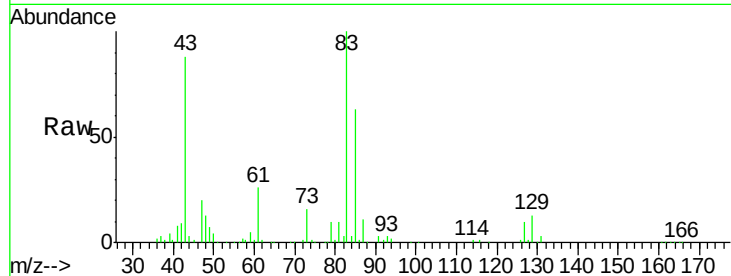
ClientSampled :

VX0705WBS04

Tot Ion:	83	Resp:	75884
Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.3	75.5
127	10.4	7.0	10.4

Manual Integrations
APPROVED

sam
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#48

Methyl methacrylate

Concen: 18.36 ug/l

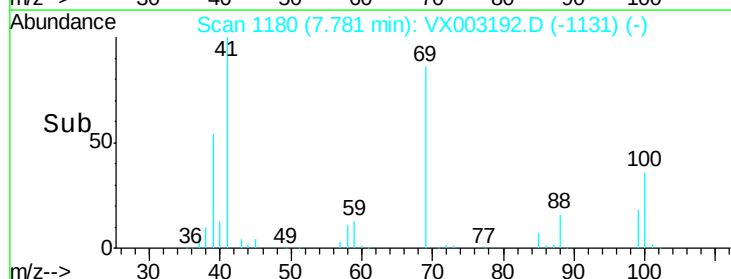
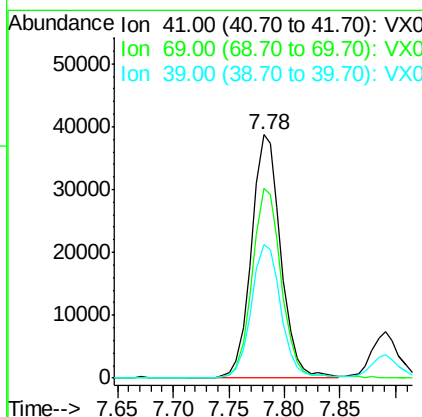
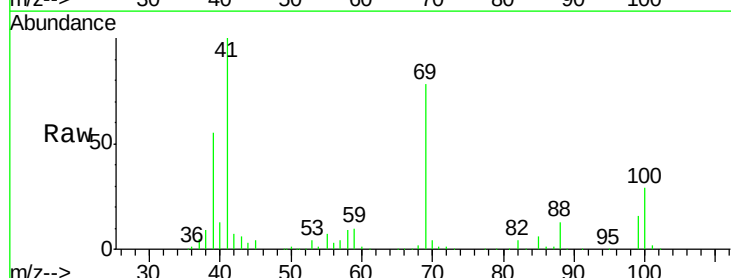
RT: 7.78 min Scan# 1180

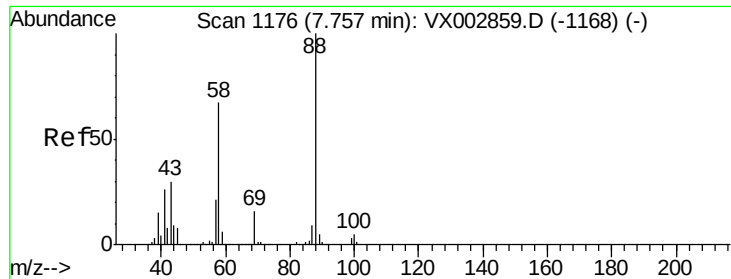
Delta R.T. 0.00 min

Lab File: VX003192.D

Acq: 06 Jul 2018 01:00

Tgt Ion:	41	Resp:	70516
Ion	Ratio	Lower	Upper
41	100		
69	78.6	59.1	88.7
39	55.5	48.9	73.3





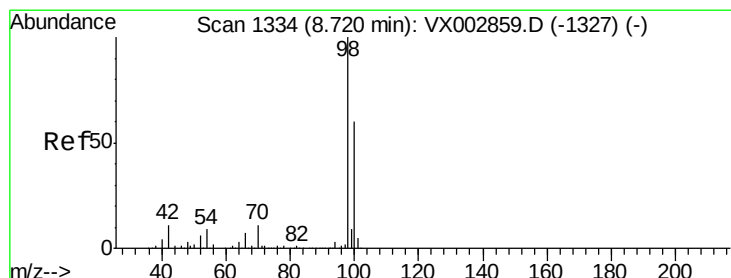
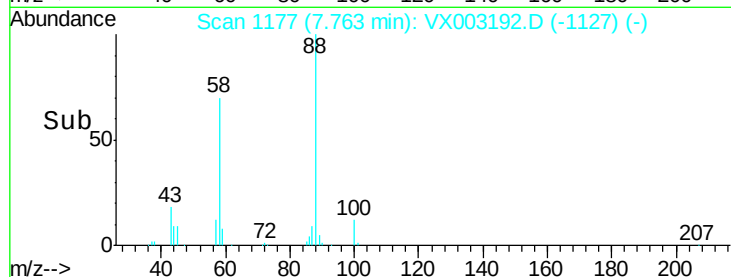
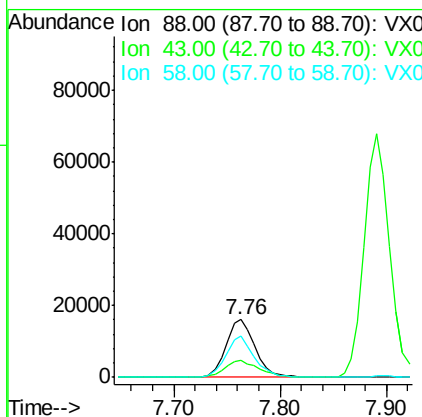
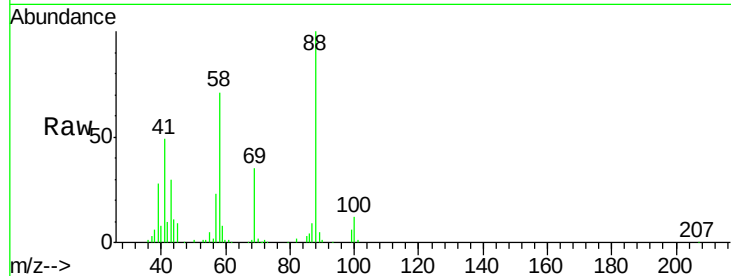
#49
1,4-Dioxane
Concen: 410.18 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VX003192.D
Acq: 06 Jul 2018 01:00

Instrument :
MSVOA_X
ClientSampled :
VX0705WBS04

Tot Ion	88	Resp	30644
Ion Ratio	Lower	Upper	
88	100		
43	34.2	29.8	44.6
58	69.5	57.1	85.7

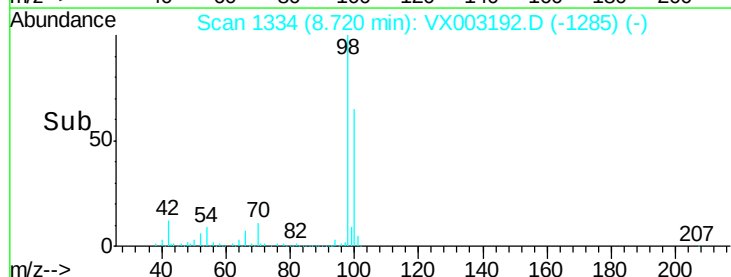
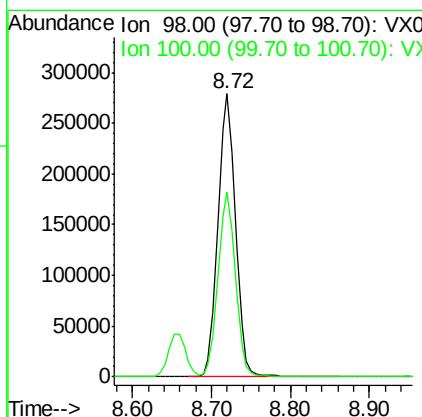
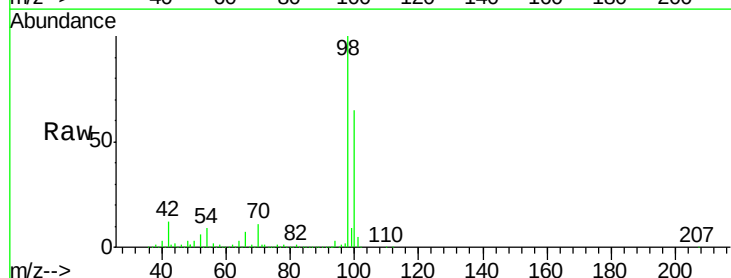
Manual Integrations
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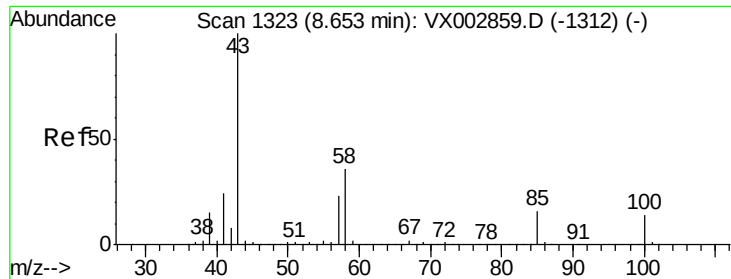
sam
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#50
Toluene-d8
Concen: 39.99 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003192.D
Acq: 06 Jul 2018 01:00

Tgt Ion	98	Resp	435179
Ion Ratio	Lower	Upper	
98	100		
100	65.0	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 96.84 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX003192.D

Acq: 06 Jul 2018 01:00

Instrument :

MSVOA_X

ClientSampleId :

VX0705WBS04

Tot Ion: 43 Resp: 451554

Ion Ratio Lower Upper

43 100

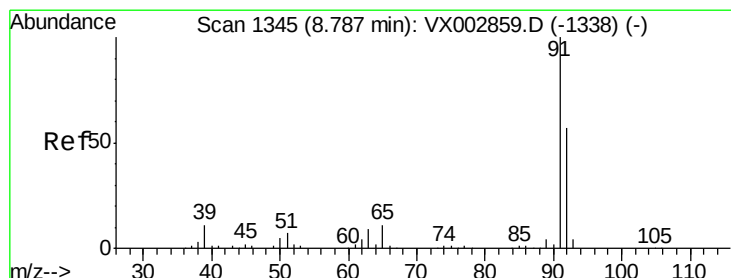
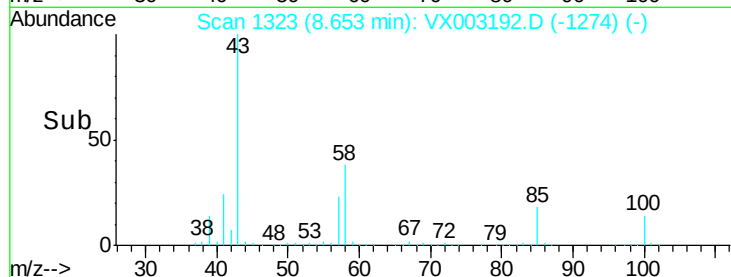
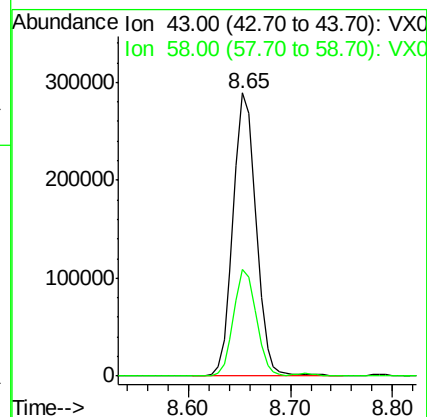
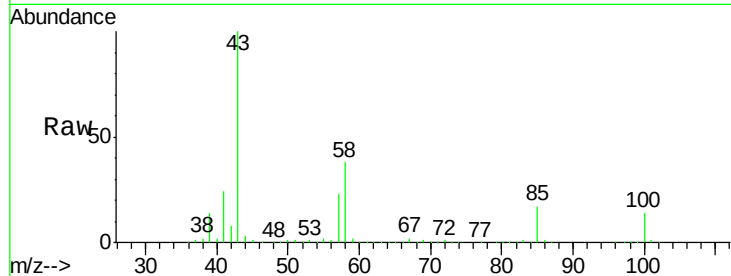
58 37.1 28.6 42.8

Manual Integrations

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#52

Toluene

Concen: 19.14 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003192.D

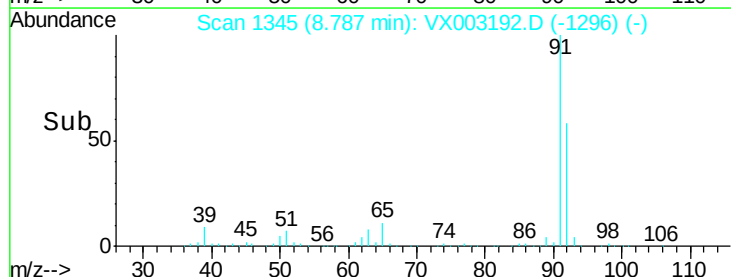
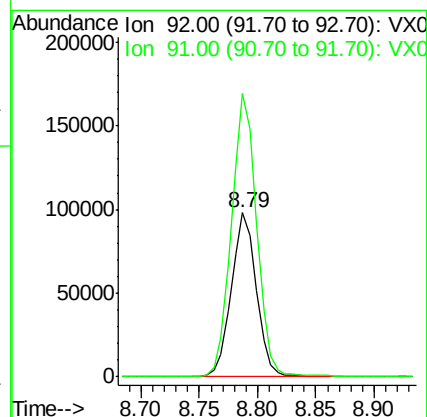
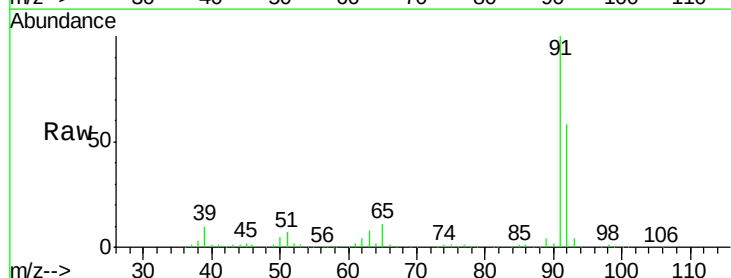
Acq: 06 Jul 2018 01:00

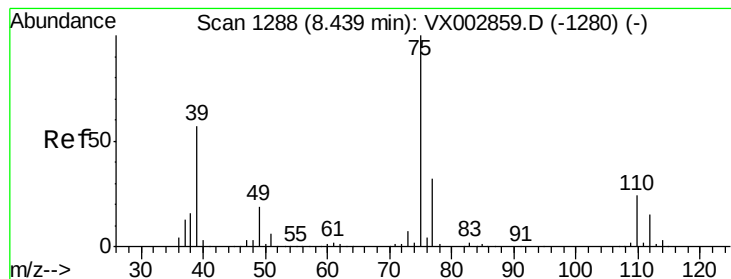
Tgt Ion: 92 Resp: 147022

Ion Ratio Lower Upper

92 100

91 173.8 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 17.54 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX003192.D

Acq: 06 Jul 2018 01:00

Instrument :

MSVOA_X

ClientSampled :

VX0705WBS04

Tot Ion: 75 Resp: 81057

Ion Ratio Lower Upper

75 100

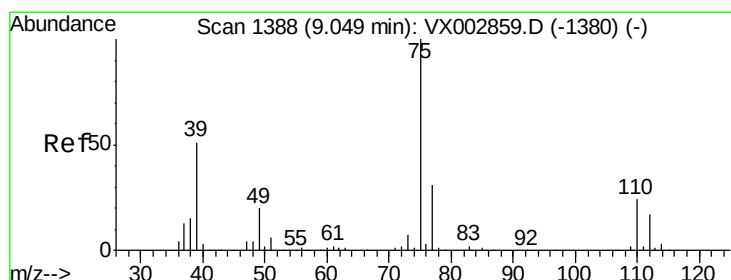
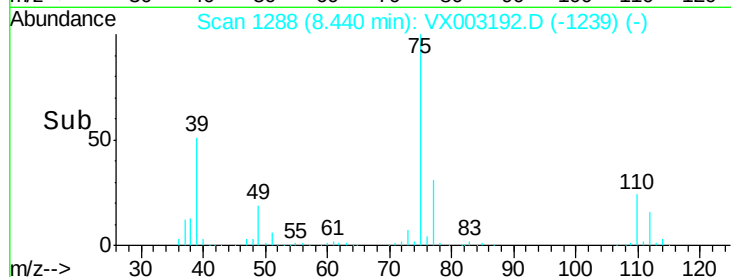
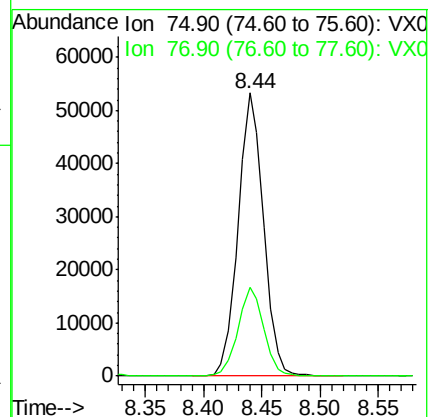
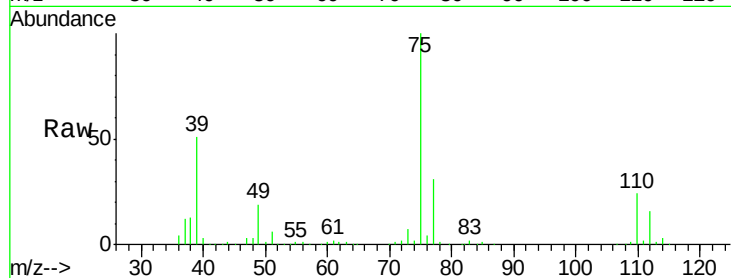
77 31.3 25.4 38.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 16.71 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VX003192.D

Acq: 06 Jul 2018 01:00

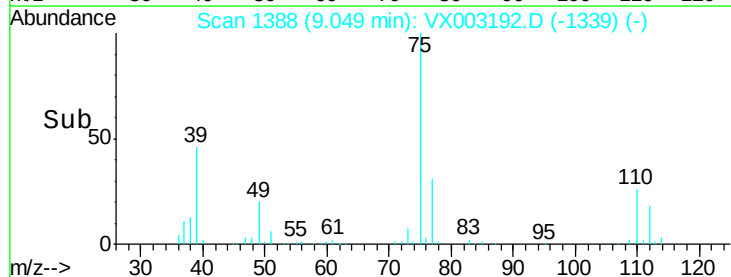
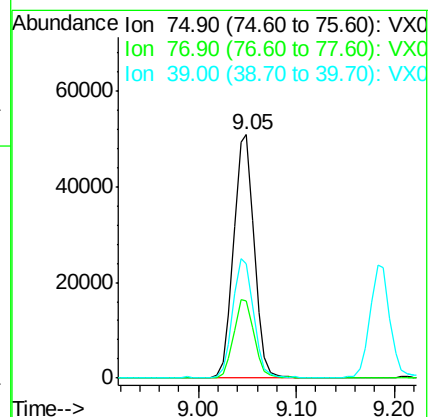
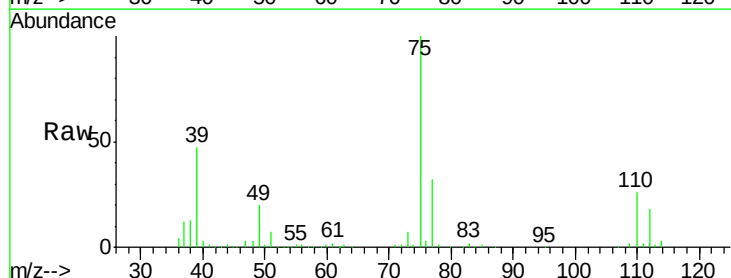
Tgt Ion: 75 Resp: 74300

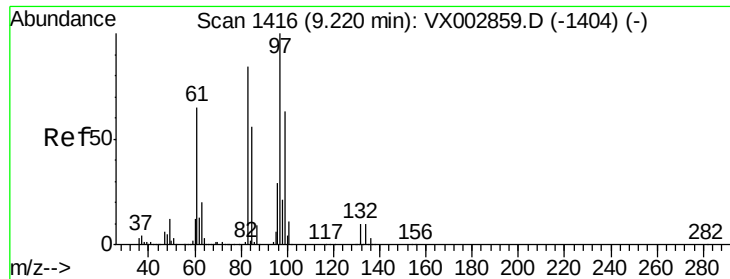
Ion Ratio Lower Upper

75 100

77 31.5 24.8 37.2

39 46.8 42.4 63.6





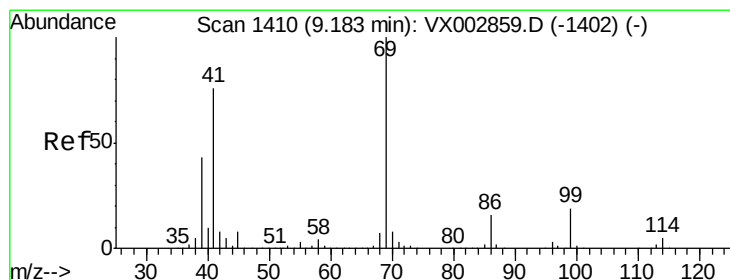
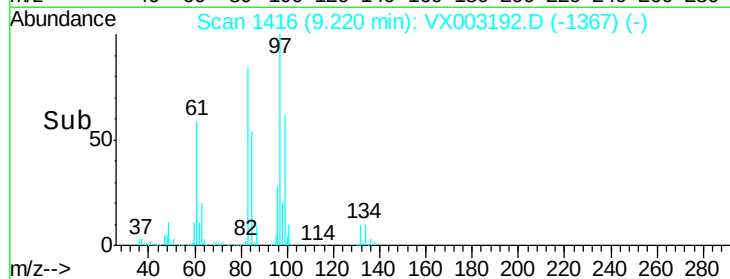
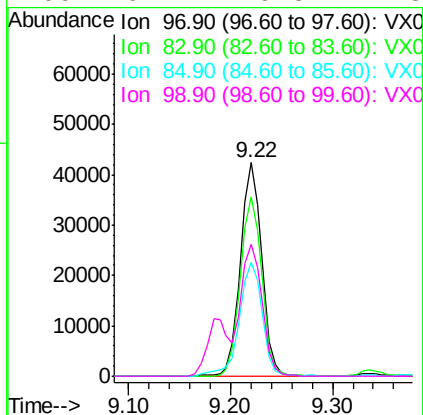
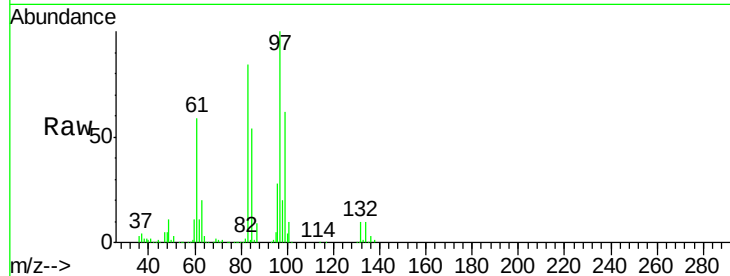
#55
 1,1,2-Trichloroethane
 Concen: 19.35 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003192.D
 Acq: 06 Jul 2018 01:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0705WBS04

Tot Ion:	97	Resp:	61090
Ion	Ratio	Lower	Upper
97	100		
83	84.2	70.2	105.2
85	53.6	44.9	67.3
99	61.7	49.8	74.8

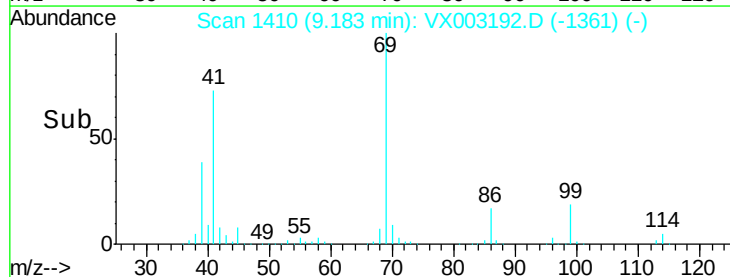
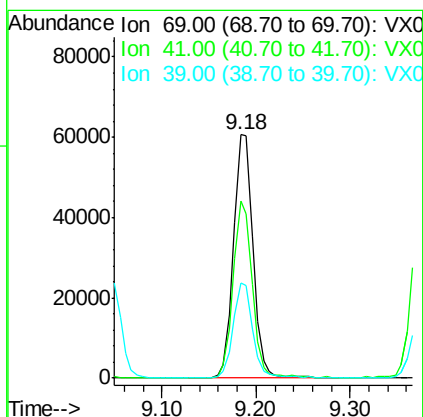
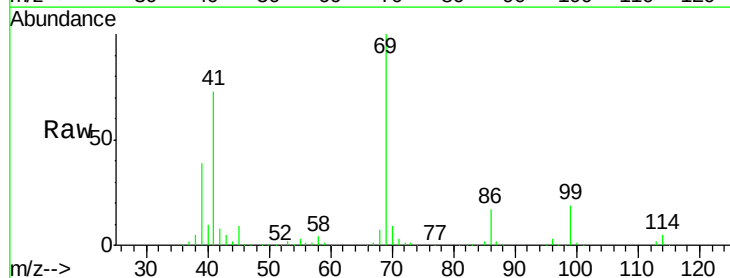
Manual Integrations
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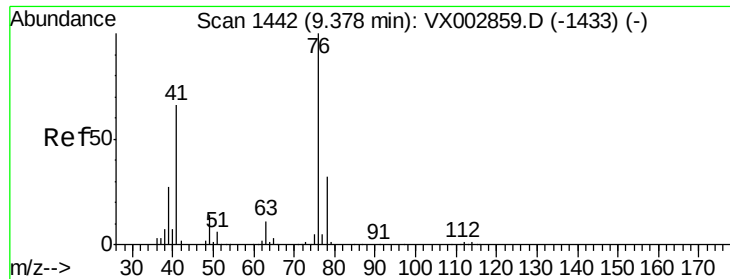
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#56
 Ethyl methacrylate
 Concen: 18.95 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003192.D
 Acq: 06 Jul 2018 01:00

Tgt Ion:	69	Resp:	87402
Ion	Ratio	Lower	Upper
69	100		
41	70.8	60.3	90.5
39	38.3	35.8	53.8





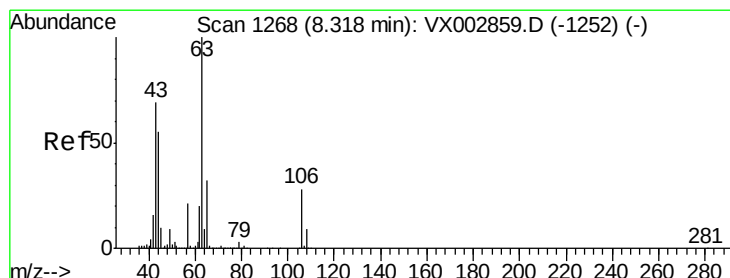
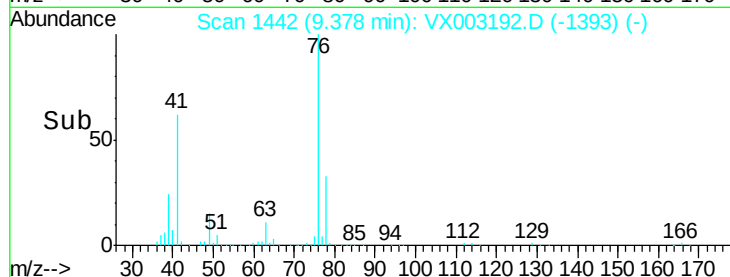
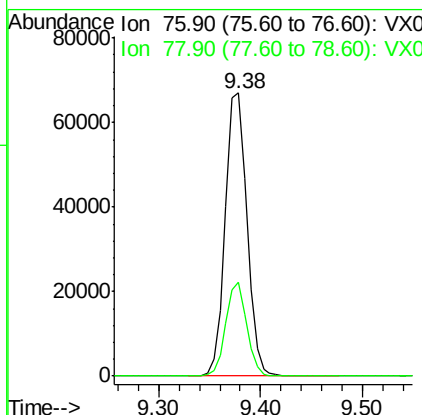
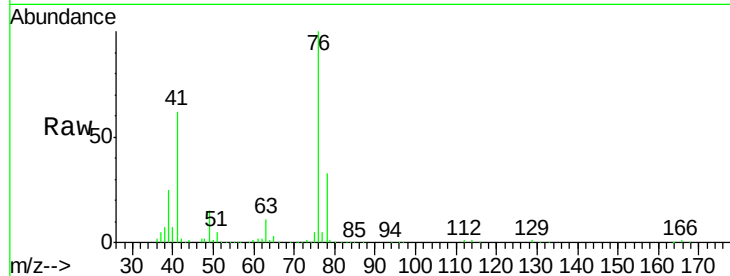
#57
 1,3-Dichloropropane
 Concen: 19.11 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX003192.D
 Acq: 06 Jul 2018 01:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0705WBS04

Tot Ion: 76 Resp: 99092
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.8 38.6

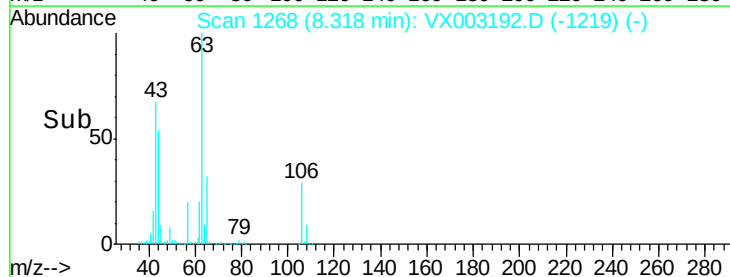
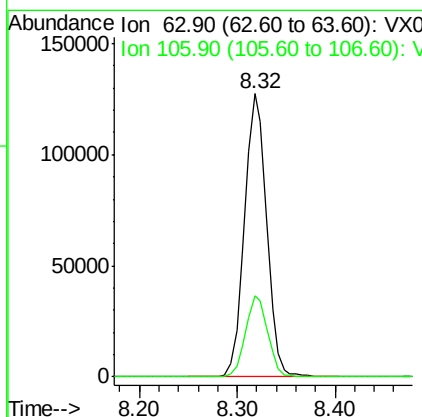
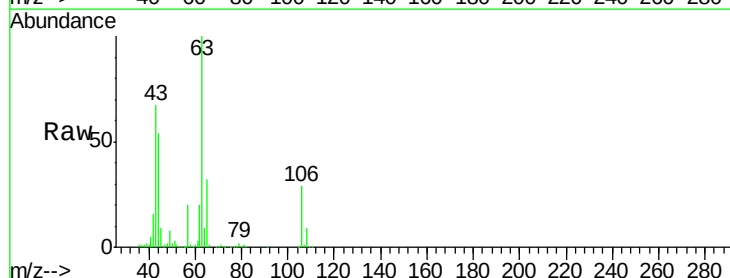
Manual Integrations
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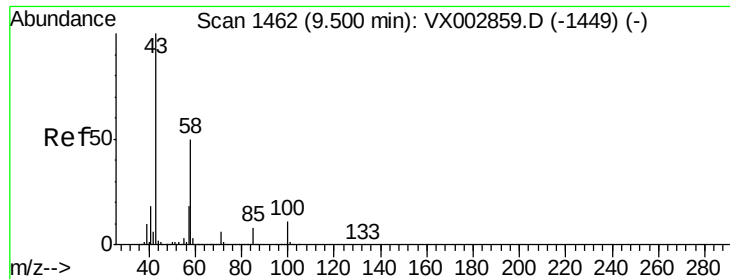
sam
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#58
 2-Chloroethyl Vinyl ether
 Concen: 90.09 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX003192.D
 Acq: 06 Jul 2018 01:00

Tgt Ion: 63 Resp: 200515
 Ion Ratio Lower Upper
 63 100
 106 28.7 21.8 32.8





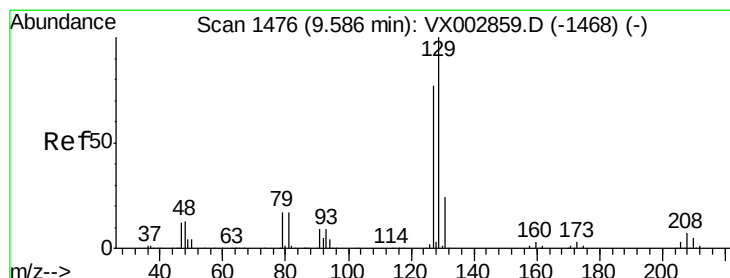
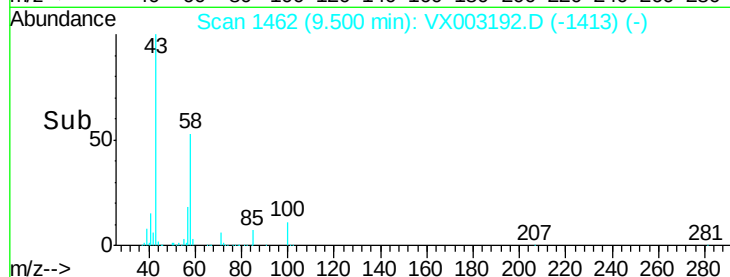
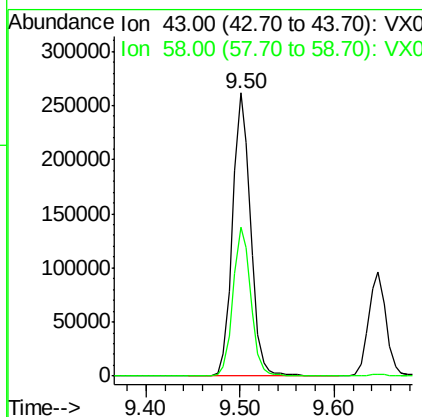
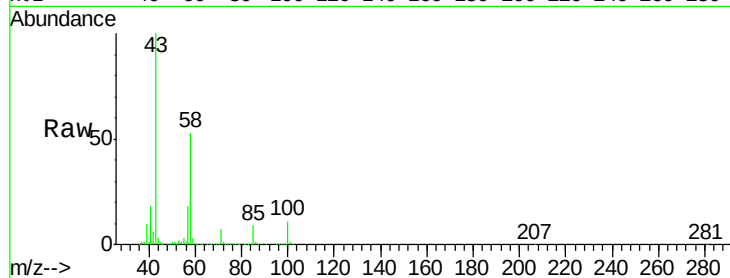
#59
2-Hexanone
Concen: 98.08 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003192.D
Acq: 06 Jul 2018 01:00

Instrument :
MSVOA_X
ClientSampleId :
VX0705WBS04

Tot Ion: 43 Resp: 347560
Ion Ratio Lower Upper
43 100
58 52.1 24.6 73.6

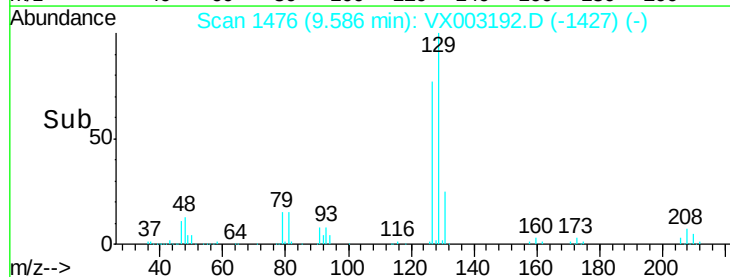
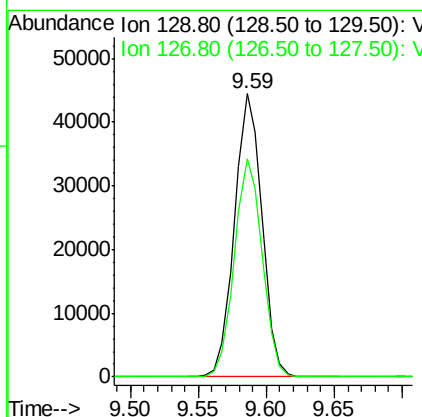
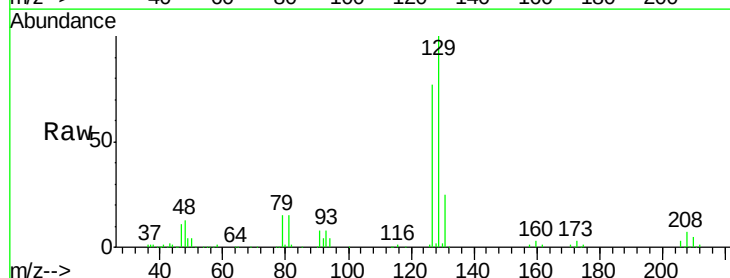
Manual Integrations
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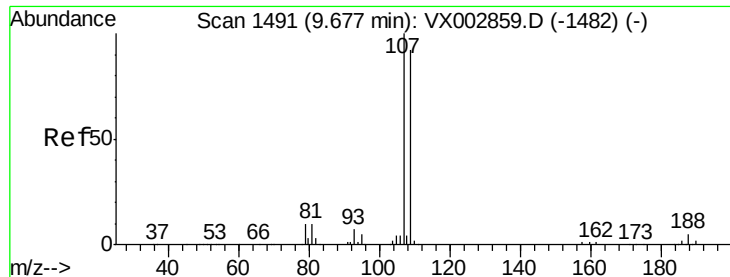
sam
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#60
Dibromochloromethane
Concen: 18.81 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003192.D
Acq: 06 Jul 2018 01:00

Tgt Ion: 129 Resp: 62519
Ion Ratio Lower Upper
129 100
127 77.9 38.5 115.3





#61

1,2-Dibromoethane

Concen: 19.41 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003192.D

Acq: 06 Jul 2018 01:00

Instrument :

MSVOA_X

ClientSampleId :

VX0705WBS04

Tot Ion:107 Resp: 64264

Ion Ratio Lower Upper

107 100

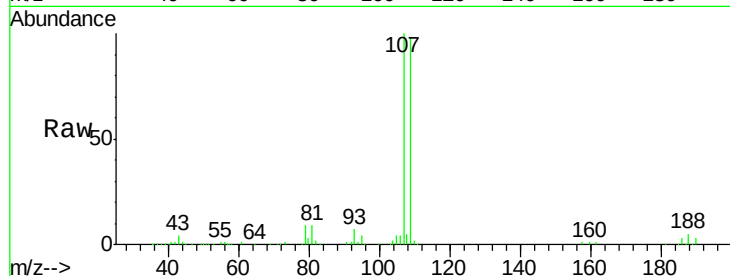
109 95.2 75.3 112.9

Manual Integrations

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sam

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

50000

40000

30000

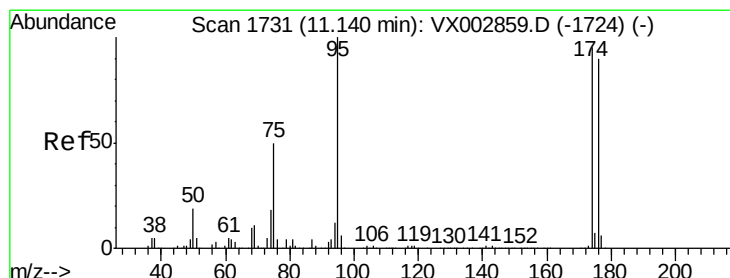
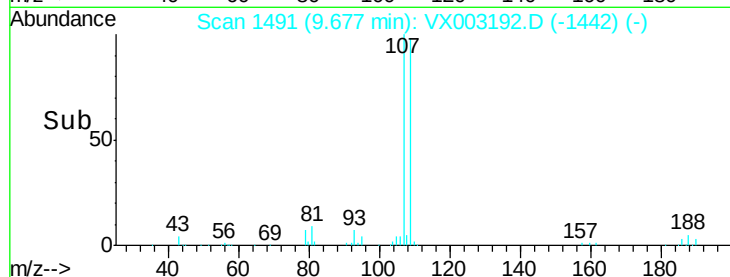
20000

10000

0

Time-->

9.60 9.65 9.70 9.75 9.80



#62

4-Bromofluorobenzene

Concen: 40.04 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003192.D

Acq: 06 Jul 2018 01:00

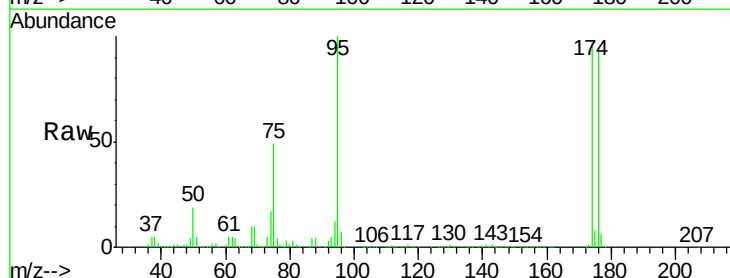
Tgt Ion: 95 Resp: 168049

Ion Ratio Lower Upper

95 100

174 98.7 0.0 187.4

176 95.7 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

150000

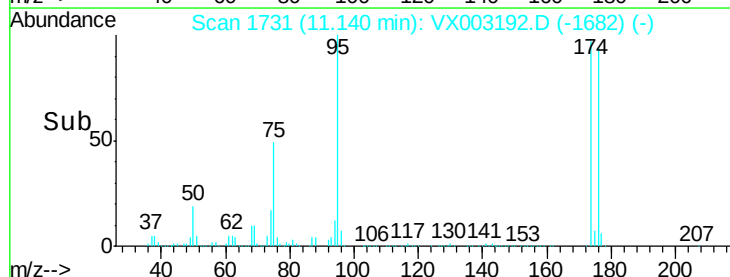
100000

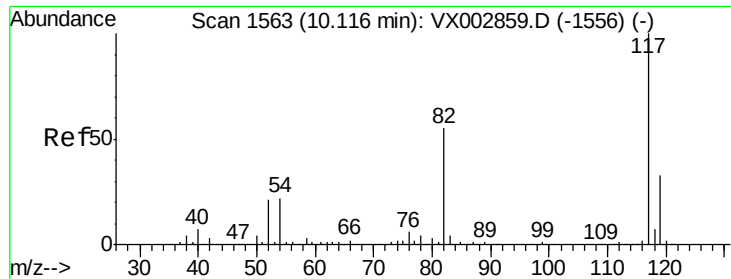
50000

0

Time-->

11.10 11.20





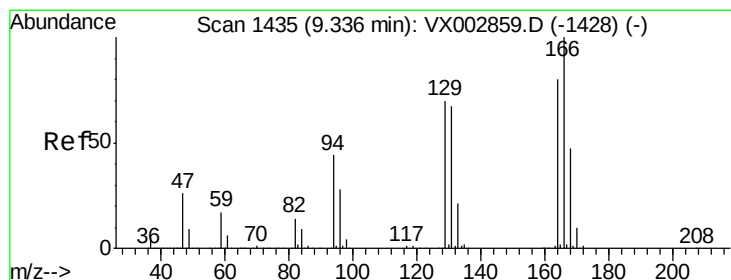
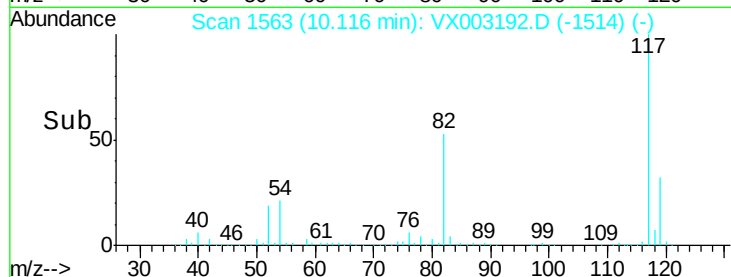
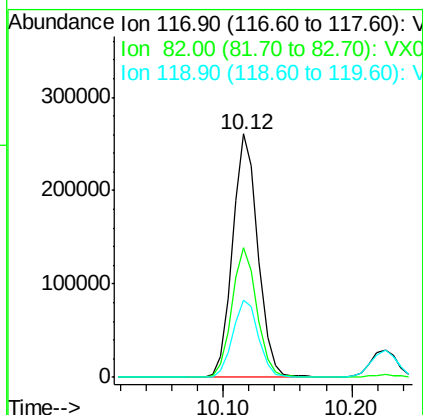
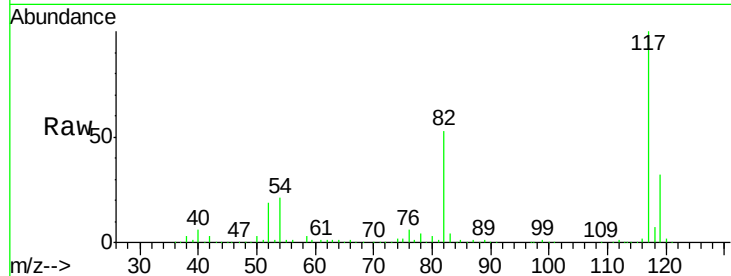
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003192.D
Acq: 06 Jul 2018 01:00

Instrument :
MSVOA_X
ClientSampleId :
VX0705WBS04

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.1	45.0	67.4
119	31.9	25.8	38.6

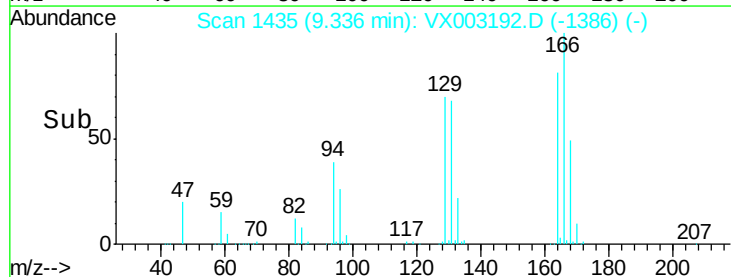
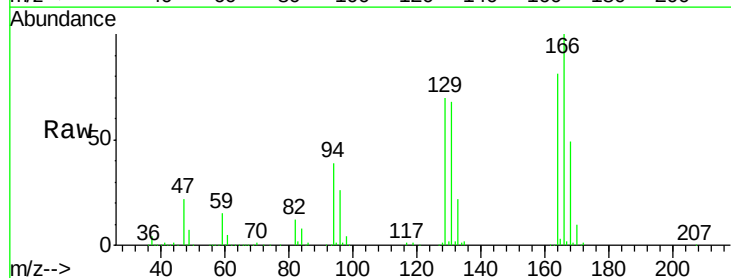
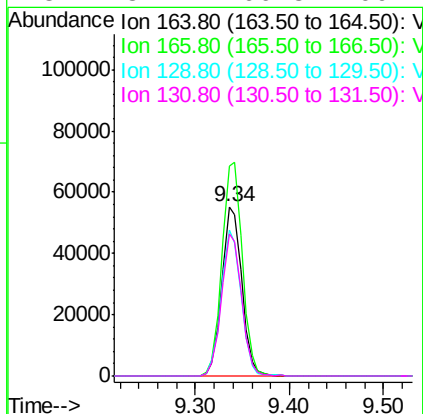
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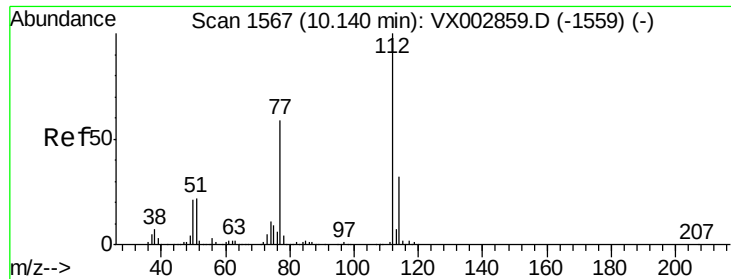
sam
7/6/2018 4:20:37 PM



#64
Tetrachloroethene
Concen: 20.43 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003192.D
Acq: 06 Jul 2018 01:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.8	102.9	154.3
129	86.6	68.6	102.8
131	84.2	66.8	100.2





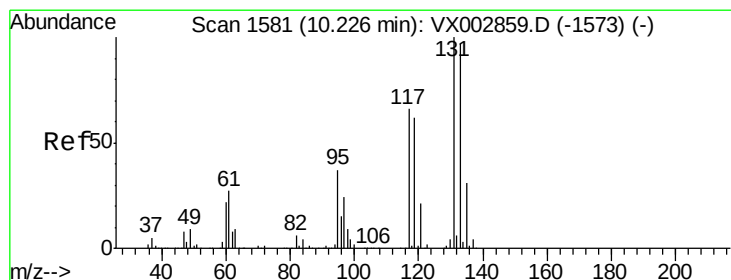
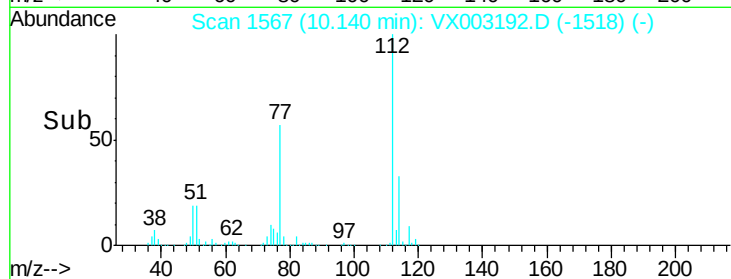
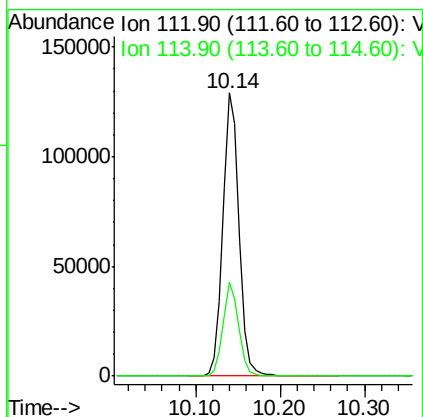
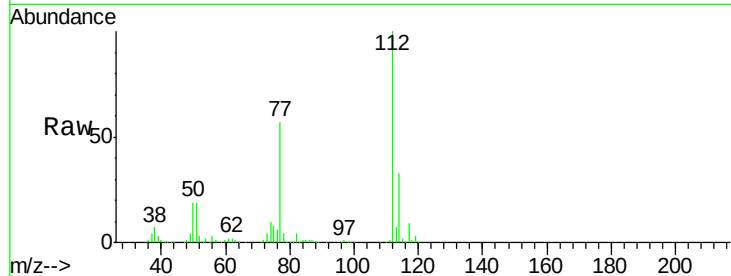
#65
Chlorobenzene
Concen: 19.00 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003192.D
Acq: 06 Jul 2018 01:00

Instrument :
MSVOA_X
ClientSampled :
VX0705WBS04

Tot Ion:112 Resp: 172467
Ion Ratio Lower Upper
112 100
114 33.2 25.3 37.9

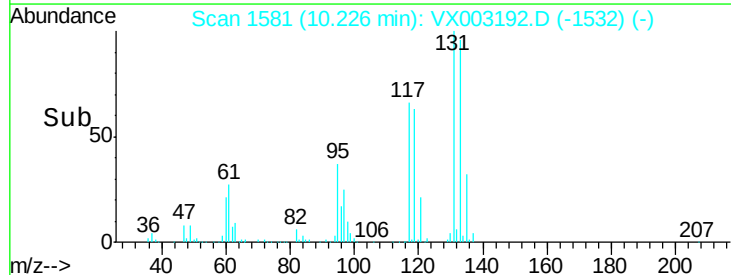
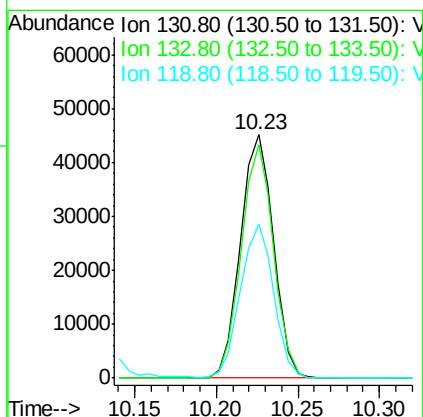
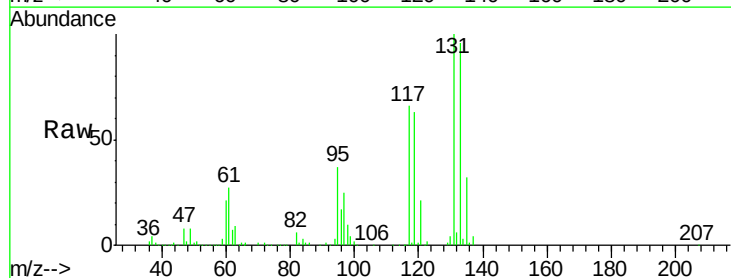
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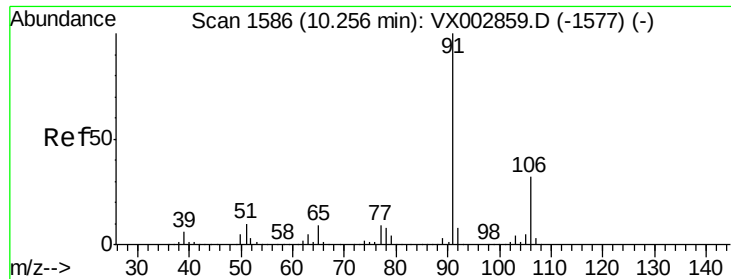
sam
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.32 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003192.D
Acq: 06 Jul 2018 01:00

Tgt Ion:131 Resp: 63708
Ion Ratio Lower Upper
131 100
133 93.9 47.9 143.6
119 63.7 31.8 95.3





#67

Ethyl Benzene

Concen: 18.75 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX003192.D

Acq: 06 Jul 2018 01:00

Instrument :

MSVOA_X

ClientSampled :

VX0705WBS04

Tot Ion: 91 Resp: 281115

Ion Ratio Lower Upper

91 100

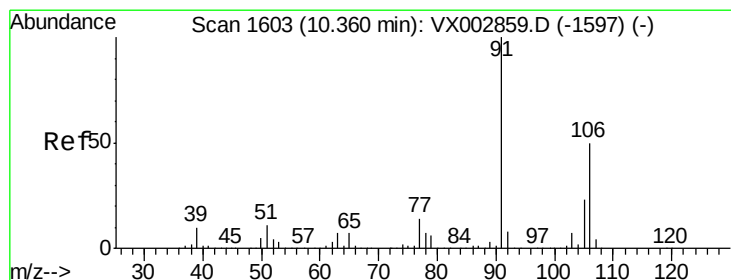
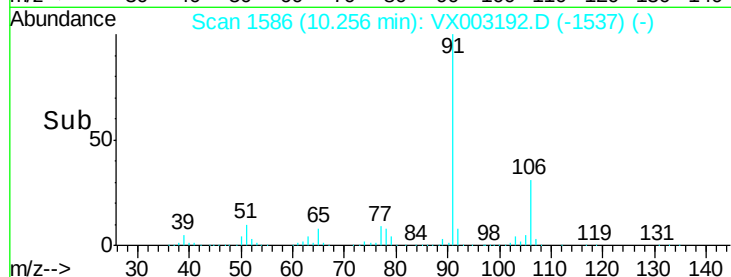
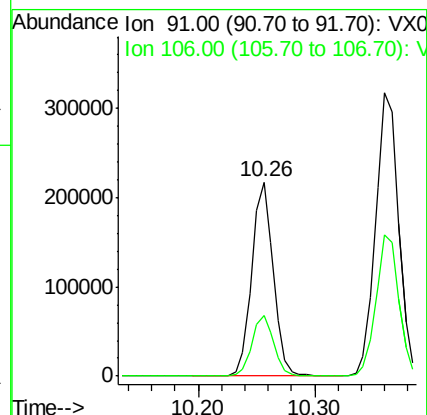
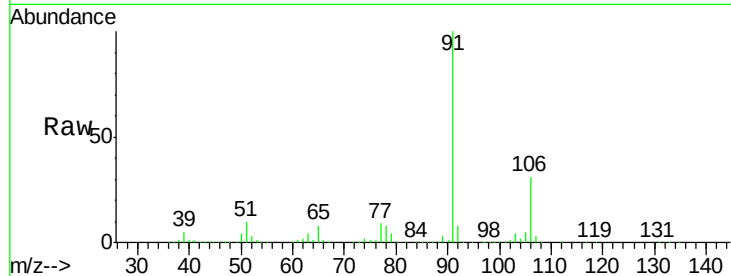
106 31.0 25.5 38.3

Manual Integrations

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sam

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#68

m/p-Xylenes

Concen: 37.81 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX003192.D

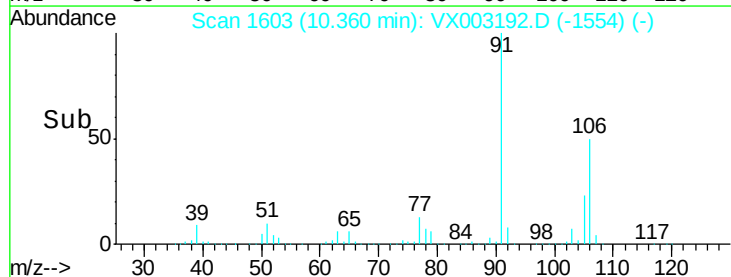
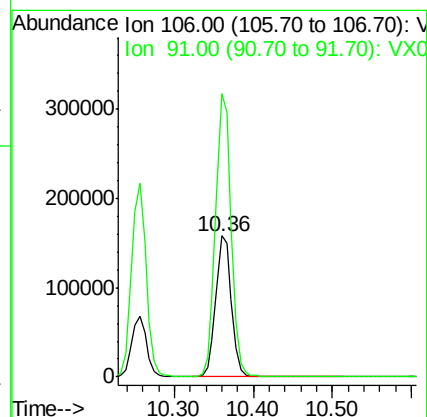
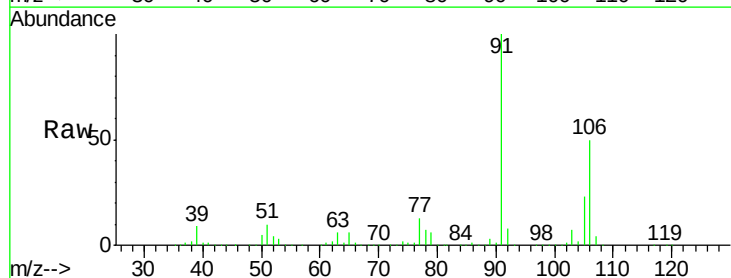
Acq: 06 Jul 2018 01:00

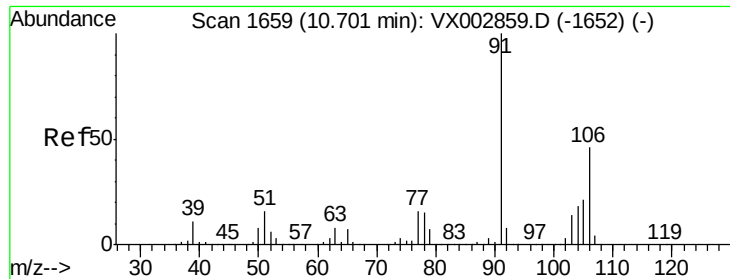
Tgt Ion: 106 Resp: 218509

Ion Ratio Lower Upper

106 100

91 201.4 163.4 245.2





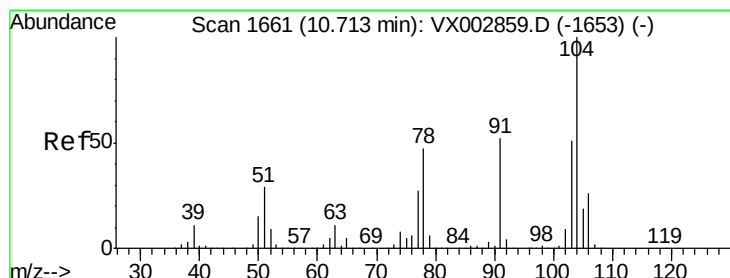
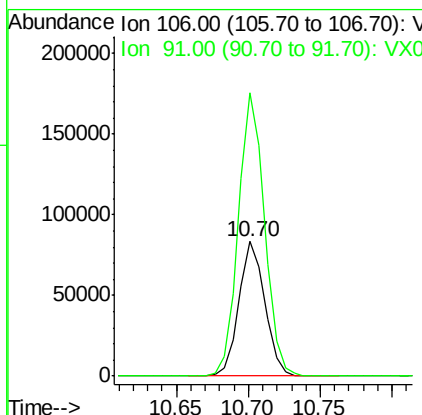
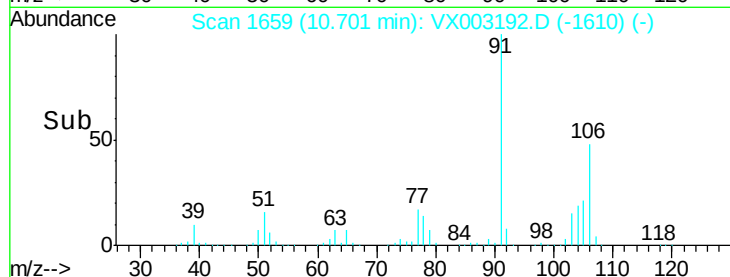
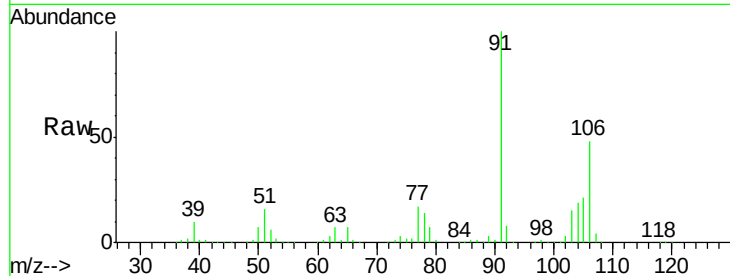
#69
o-Xylene
Concen: 18.66 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003192.D
Acq: 06 Jul 2018 01:00

Instrument :
MSVOA_X
ClientSampleId :
VX0705WBS04

Tot Ion:106 Resp: 105039
Ion Ratio Lower Upper
106 100
91 211.5 108.2 324.6

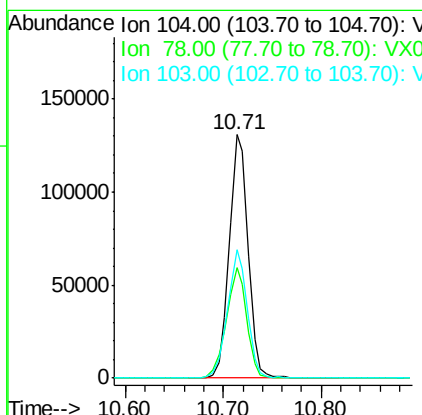
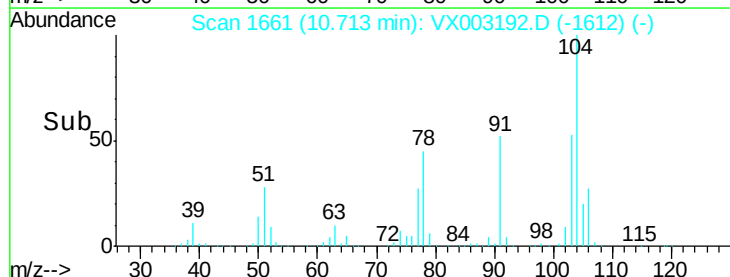
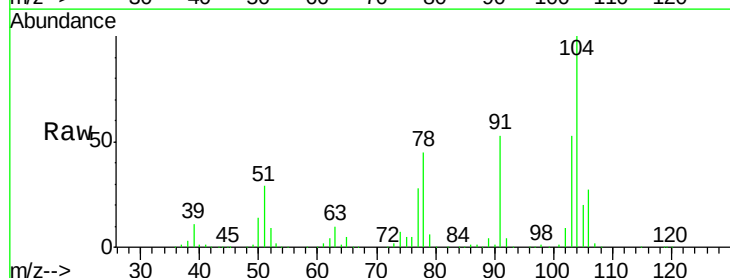
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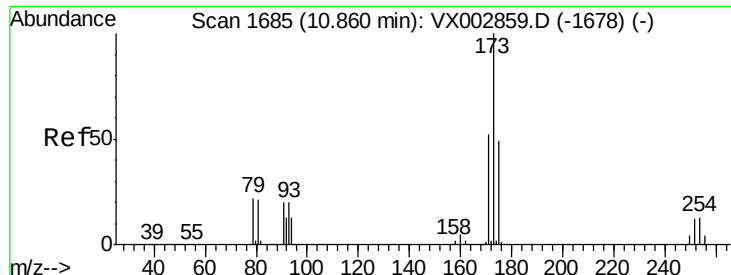
sam
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#70
Styrene
Concen: 19.11 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003192.D
Acq: 06 Jul 2018 01:00

Tgt Ion:104 Resp: 174796
Ion Ratio Lower Upper
104 100
78 48.9 41.0 61.6
103 55.5 44.2 66.4





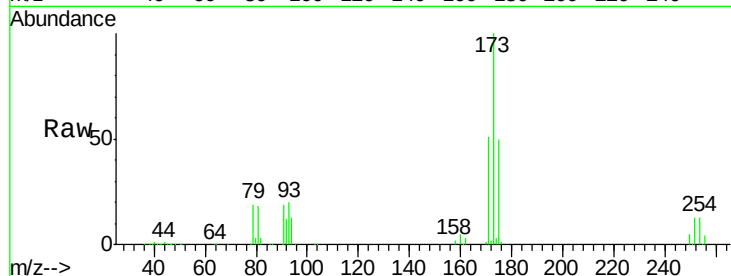
#71
Bromoform
Concen: 18.63 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003192.D
Acq: 06 Jul 2018 01:00

Instrument :
MSVOA_X
ClientSampleId :
VX0705WBS04

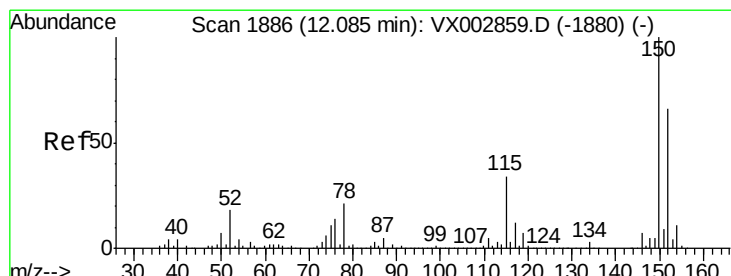
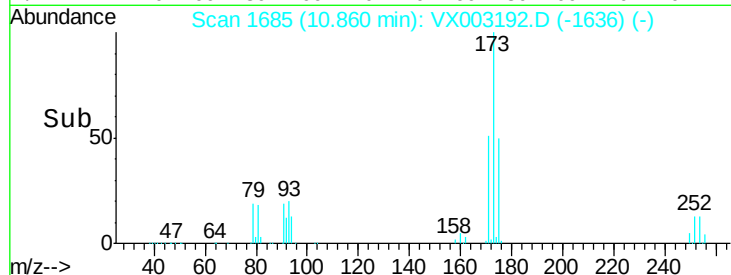
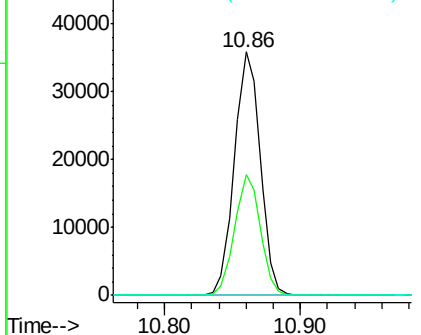
Tot Ion:173 Resp: 47602
Ion Ratio Lower Upper
173 100
175 49.3 24.7 74.1
254 0.1 0.2 0.2#

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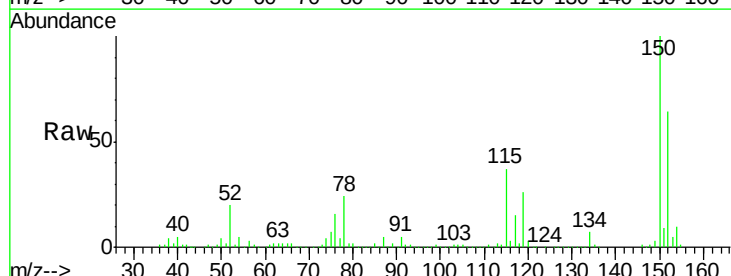


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

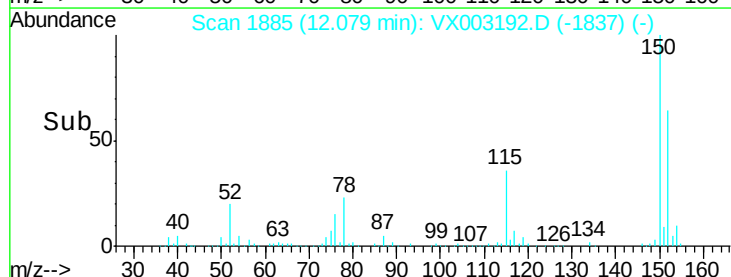
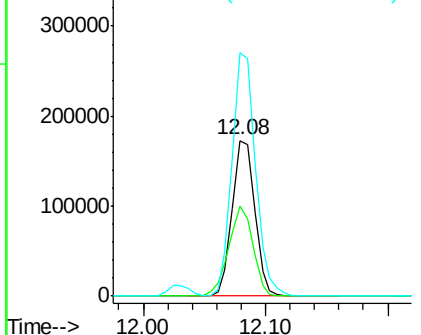


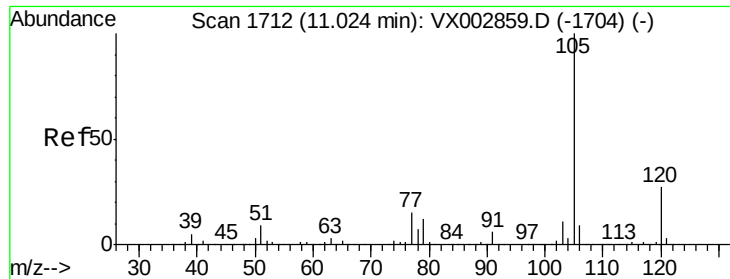
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX003192.D
Acq: 06 Jul 2018 01:00

Tgt Ion:152 Resp: 219834
Ion Ratio Lower Upper
152 100
115 62.2 40.1 120.2
150 162.6 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.28 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX003192.D

Acq: 06 Jul 2018 01:00

Instrument :

MSVOA_X

ClientSampled :

VX0705WBS04

Tot Ion:105 Resp: 285130

Ion Ratio Lower Upper

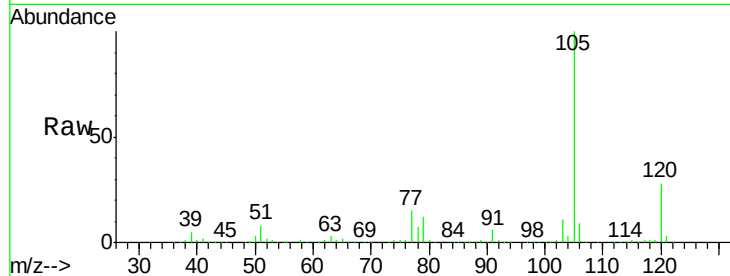
105 100

120 27.3 13.5 40.4

Manual Integrations
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sam

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

50000

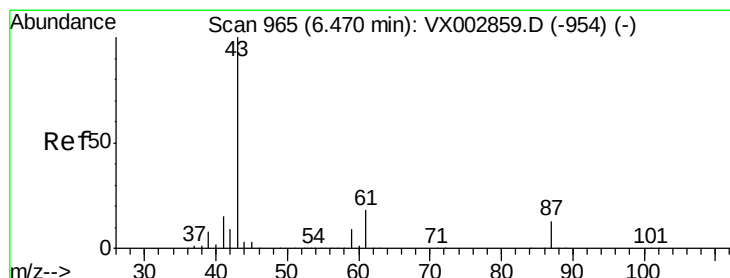
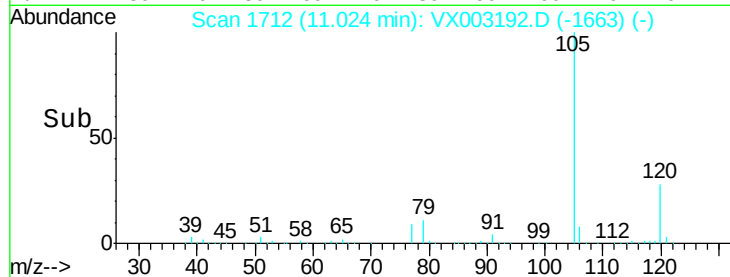
0

11.02

11.00

11.10

Time-->



#74

N-ethyl acetate

Concen: 18.70 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.01 min

Lab File: VX003192.D

Acq: 06 Jul 2018 01:00

Tgt Ion: 43 Resp: 135333

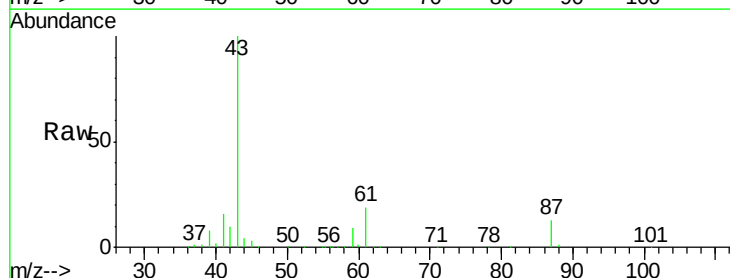
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.2 0.0 0.0#

61 19.0 14.4 21.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

80000

60000

40000

20000

0

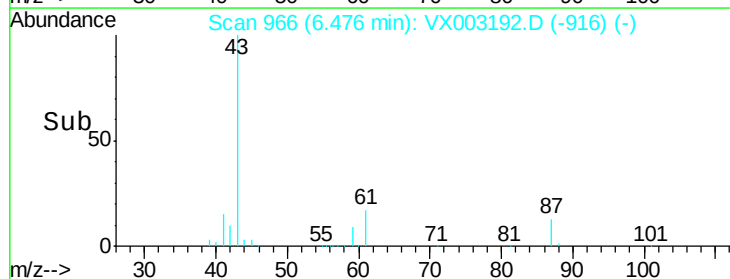
6.48

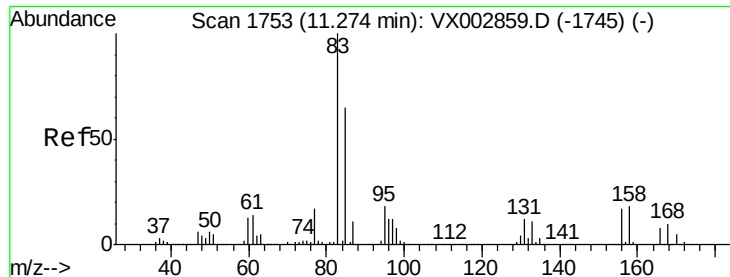
6.40

6.50

6.60

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.57 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.01 min

Lab File: VX003192.D

Acq: 06 Jul 2018 01:00

Instrument :

MSVOA_X

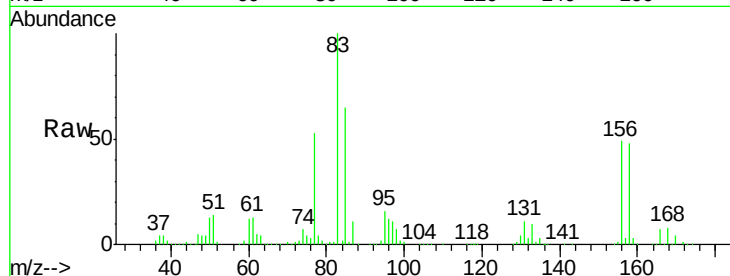
ClientSampled :

VX0705WBS04

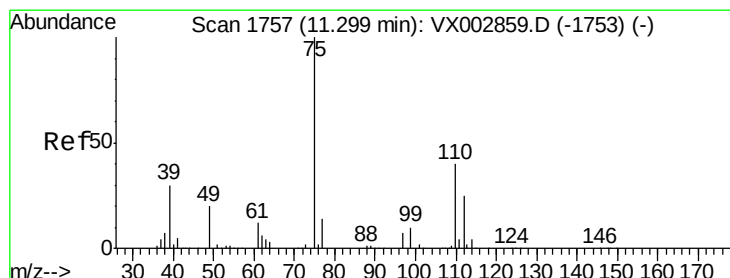
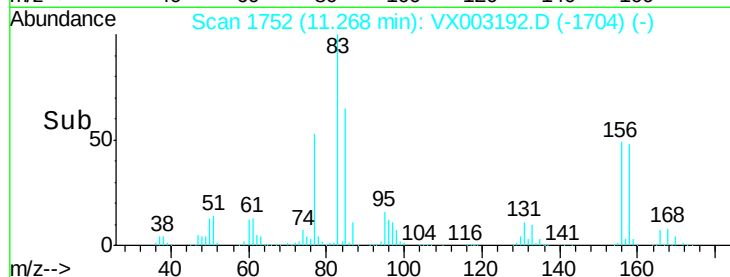
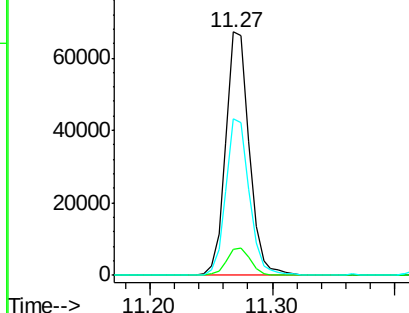
Tot Ion:	83	Resp:	89151
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.6	16.8
85	64.2	32.4	97.2

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 21.79 ug/l m

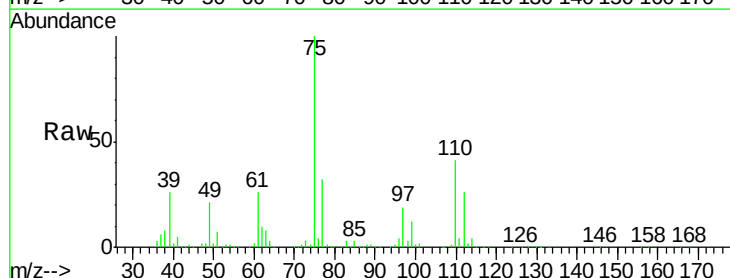
RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

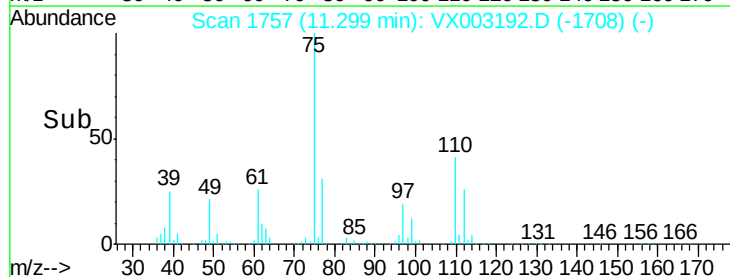
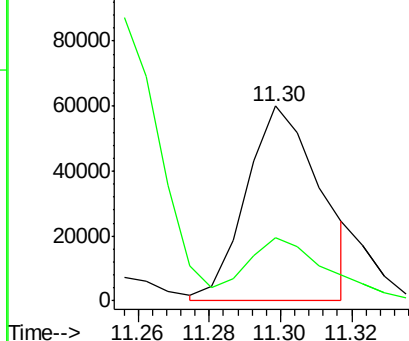
Lab File: VX003192.D

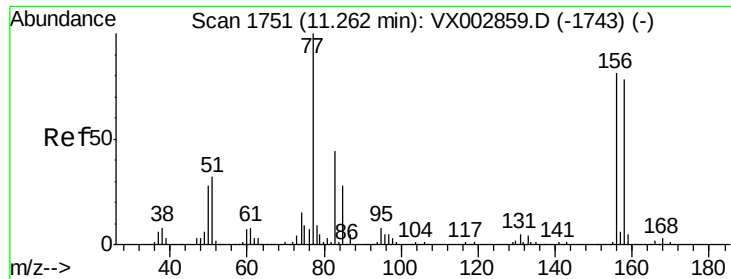
Acq: 06 Jul 2018 01:00

Tgt Ion:	75	Resp:	86784
Ion Ratio	Lower	Upper	
75	100		
77	35.9	22.8	68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.33 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX003192.D

Acq: 06 Jul 2018 01:00

Instrument :

MSVOA_X

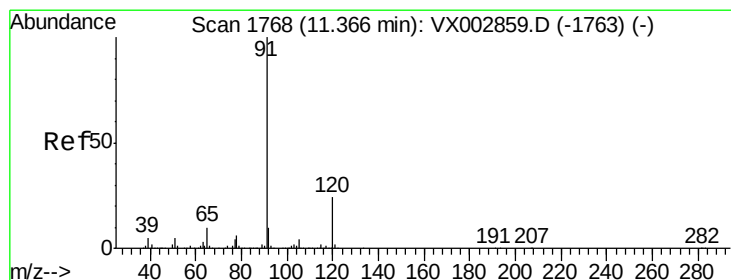
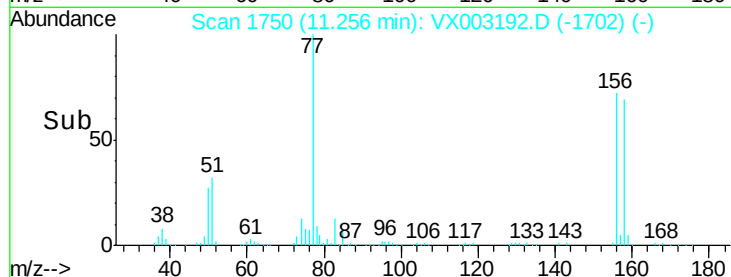
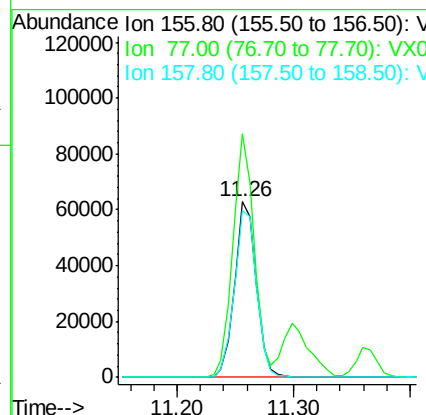
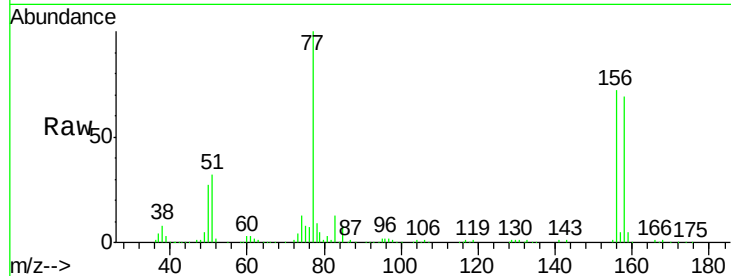
ClientSampleId :

VX0705WBS04

Tot Ion:	156	Resp:	81401
Ion Ratio	Lower	Upper	
156	100		
77	136.2	71.4	214.2
158	97.5	48.9	146.6

Manual Integrations
APPROVED

sam
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#78

n-propylbenzene

Concen: 18.72 ug/l

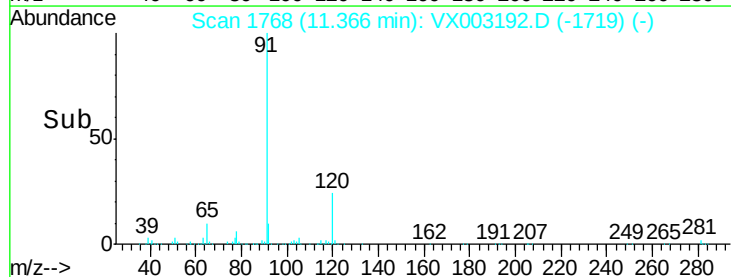
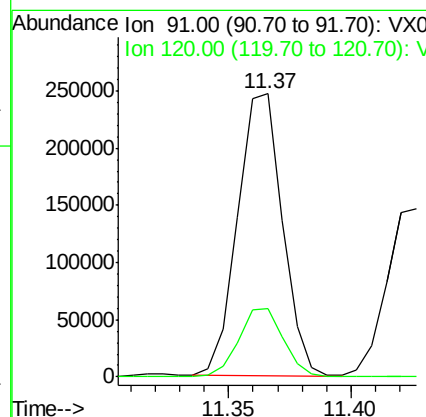
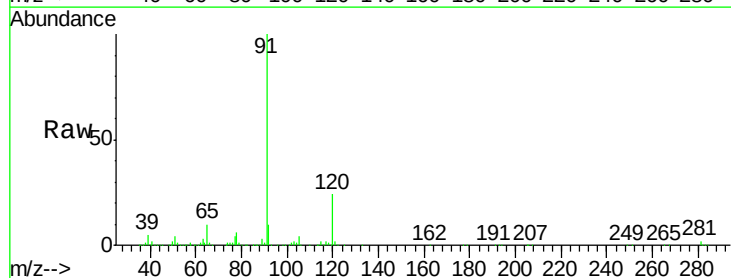
RT: 11.37 min Scan# 1768

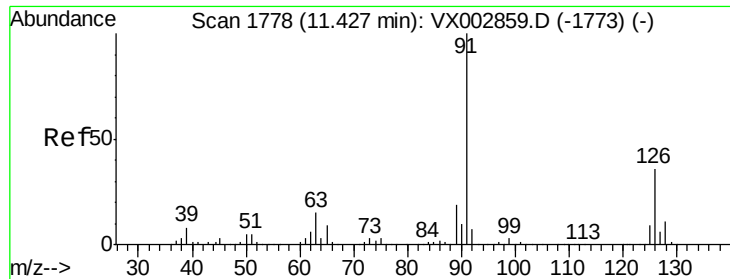
Delta R.T. 0.00 min

Lab File: VX003192.D

Acq: 06 Jul 2018 01:00

Tgt Ion:	91	Resp:	315140
Ion Ratio	Lower	Upper	
91	100		
120	24.4	11.8	35.4





#79

2-Chlorotoluene

Concen: 18.81 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX003192.D

Acq: 06 Jul 2018 01:00

Instrument :

MSVOA_X

ClientSampled :

VX0705WBS04

Tot Ion: 91 Resp: 191670

Ion Ratio Lower Upper

91 100

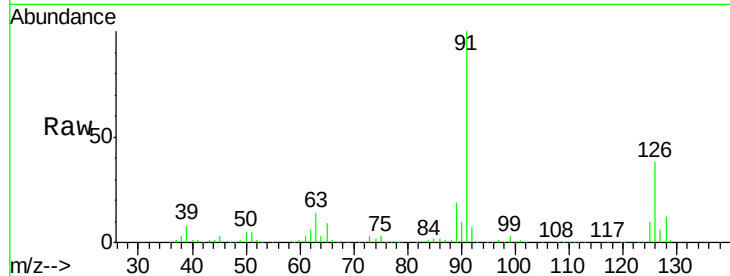
126 36.9 17.7 53.1

Manual Integrations

APPROVED

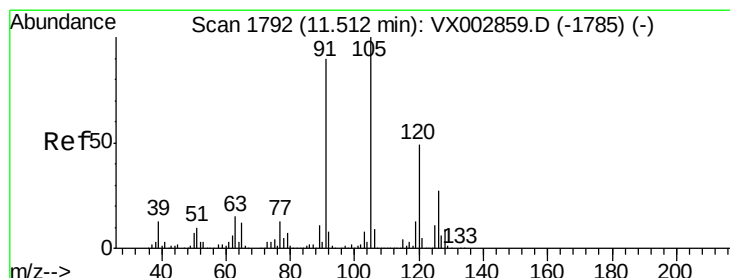
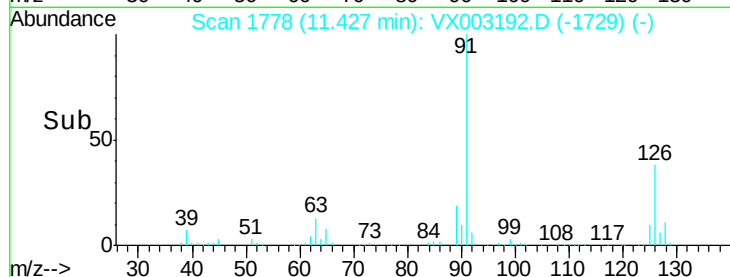
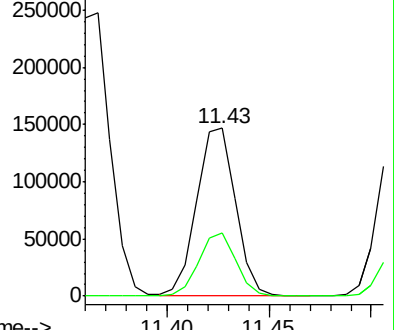
sam

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.00 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003192.D

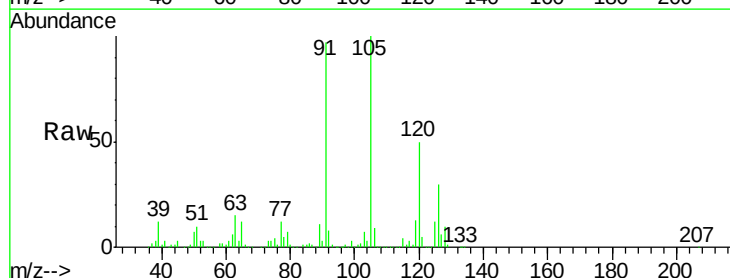
Acq: 06 Jul 2018 01:00

Tgt Ion: 105 Resp: 236701

Ion Ratio Lower Upper

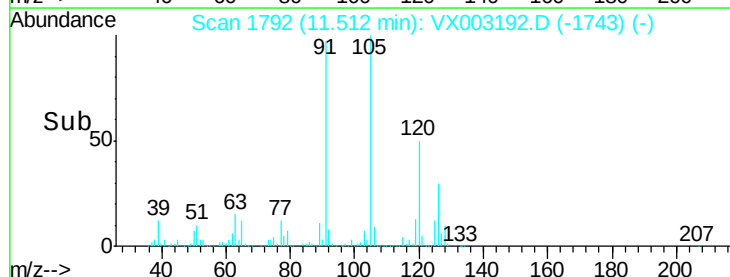
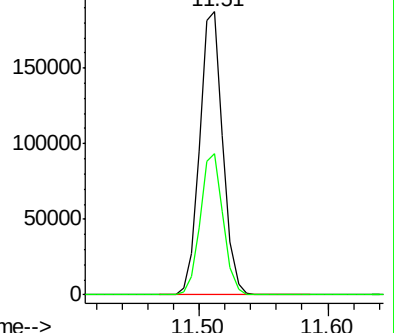
105 100

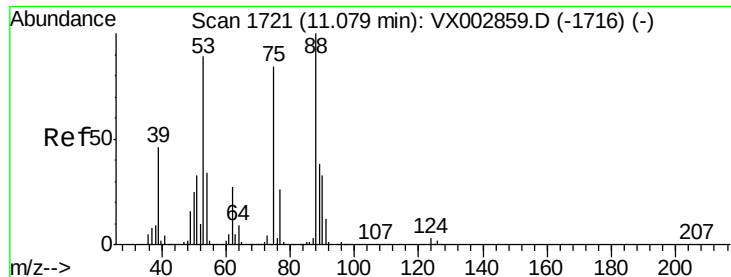
120 49.2 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





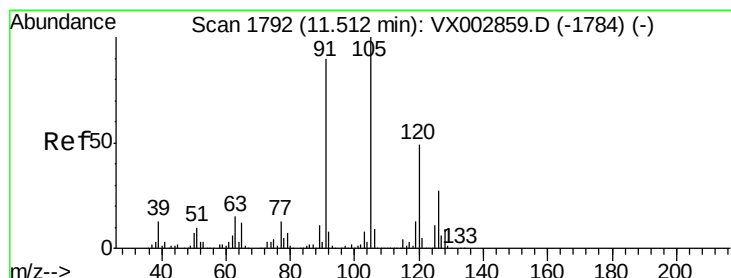
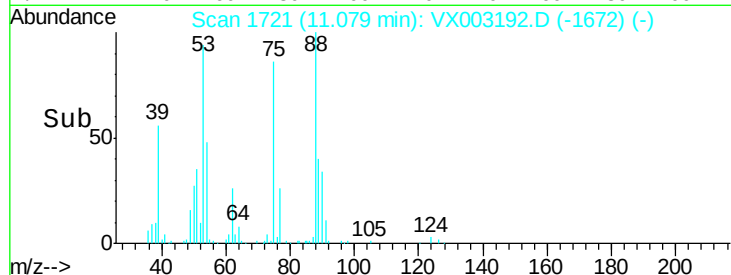
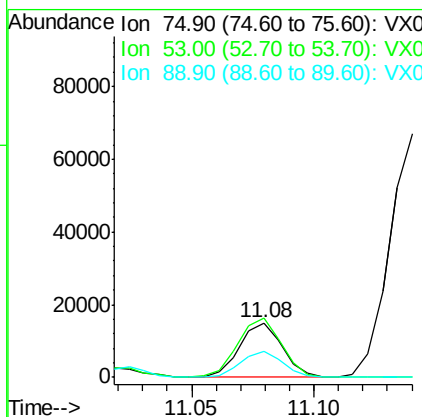
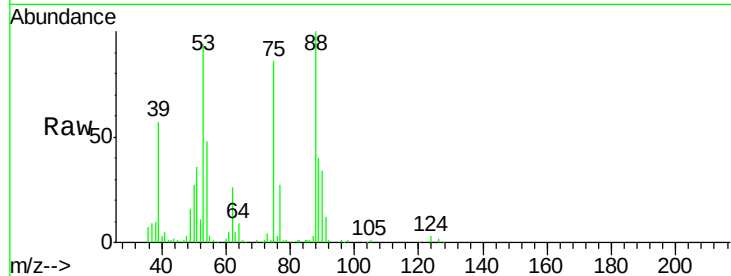
#81
trans-1,4-Dichloro-2-butene
Concen: 15.66 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003192.D
Acq: 06 Jul 2018 01:00

Instrument :
MSVOA_X
ClientSampleId :
VX0705WBS04

Tot Ion	Ratio	Lower	Upper
75	100		
53	112.5	86.8	130.2
89	48.1	38.2	57.2

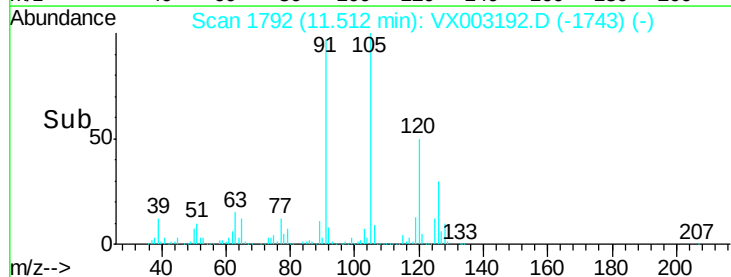
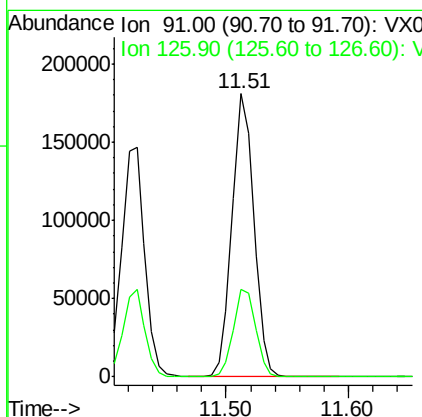
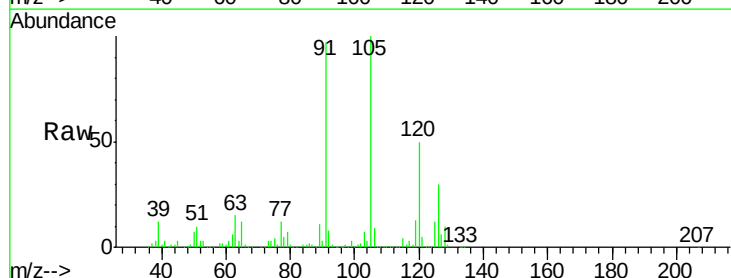
Manual Integrations
APPROVED

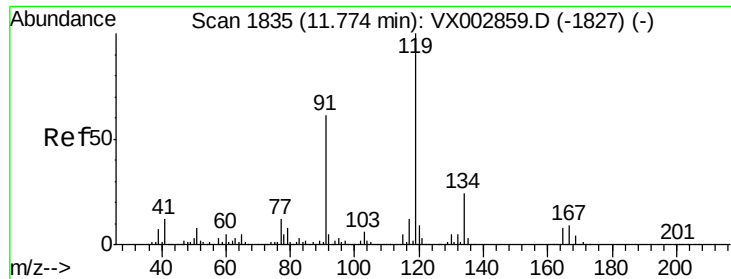
sam
7/6/2018 4:20:37 PM



#82
4-Chlorotoluene
Concen: 18.53 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003192.D
Acq: 06 Jul 2018 01:00

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.4	46.4





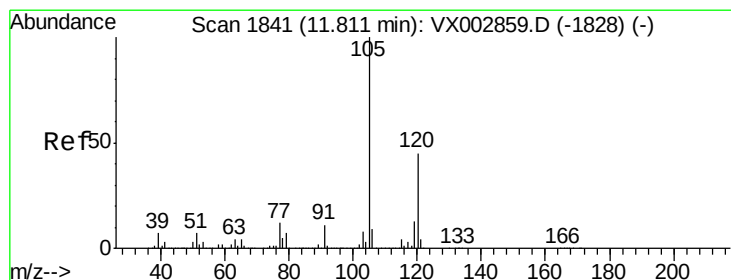
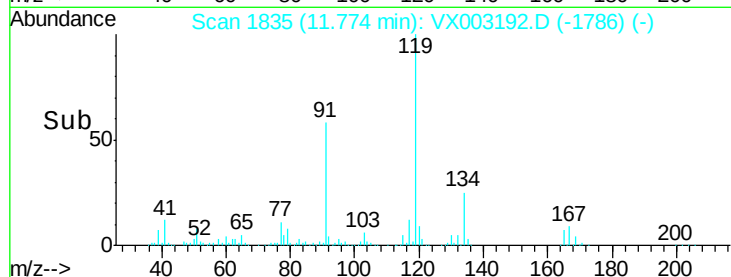
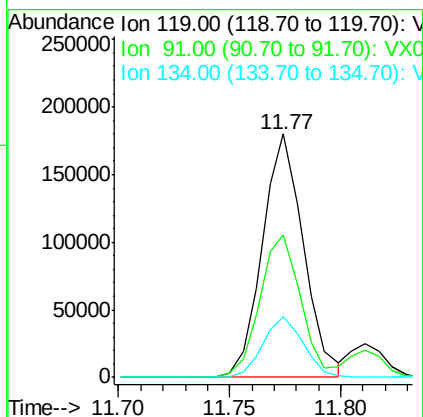
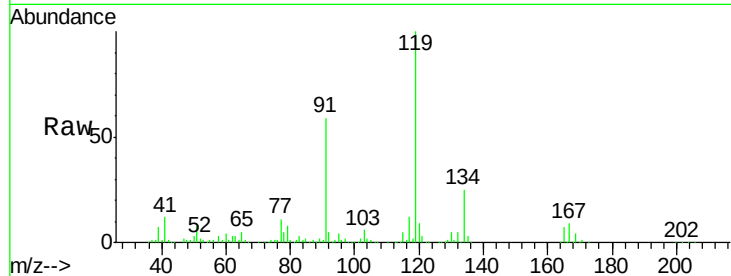
#83
 tert-Butylbenzene
 Concen: 18.77 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003192.D
 Acq: 06 Jul 2018 01:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0705WBS04

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.9	30.3	90.9
134	24.2	11.7	35.1

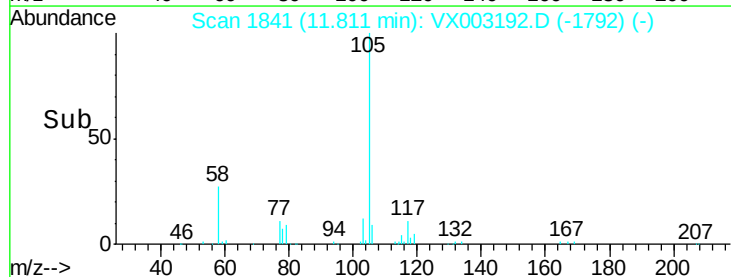
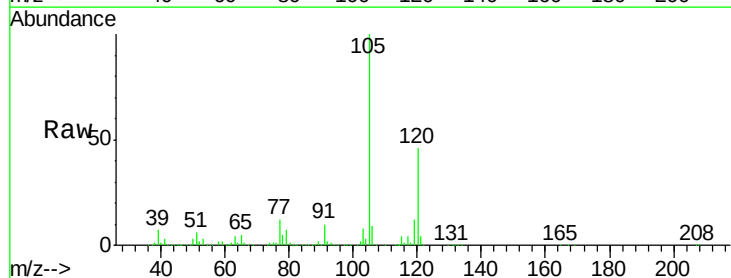
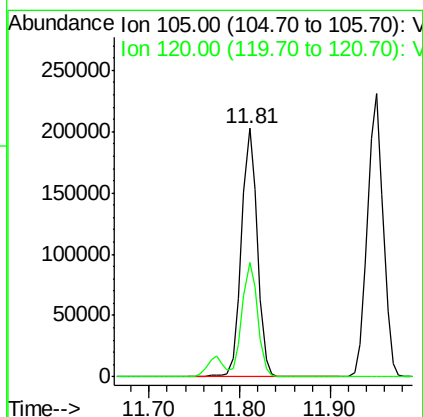
Manual Integrations
 APPROVED

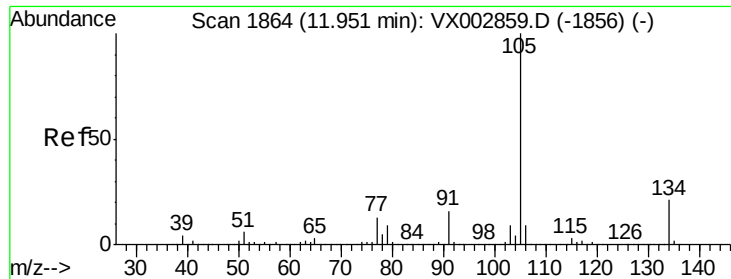
sam
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.13 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003192.D
 Acq: 06 Jul 2018 01:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.3	66.8





#85

sec-Butylbenzene

Concen: 18.75 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003192.D

Acq: 06 Jul 2018 01:00

Instrument :

MSVOA_X

ClientSampled :

VX0705WBS04

Tot Ion:105 Resp: 279174

Ion Ratio Lower Upper

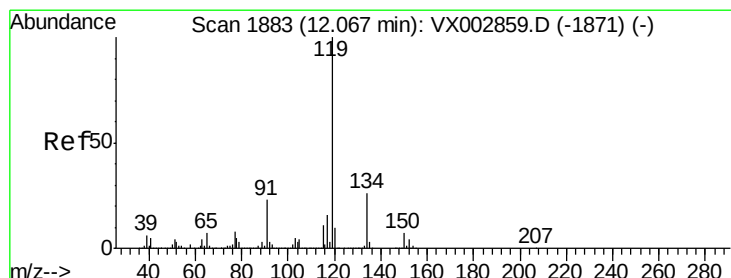
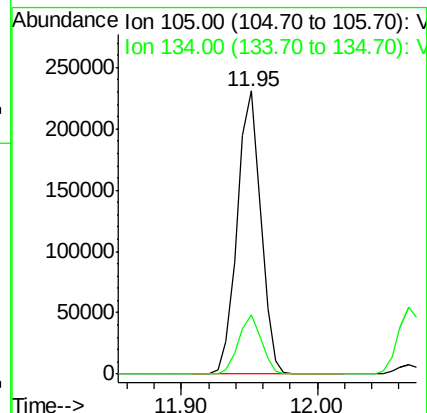
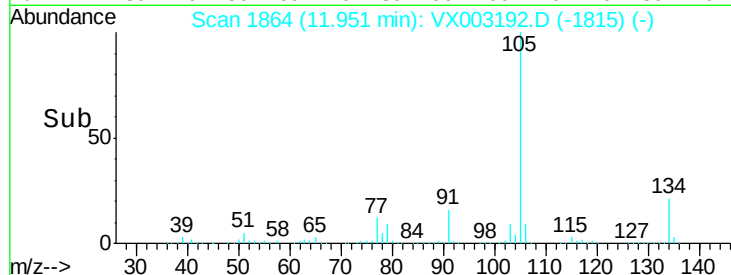
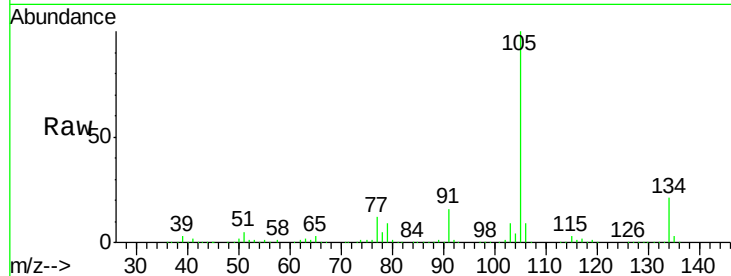
105 100

134 20.7 10.4 31.1

Manual Integrations
APPROVED

sam

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#86

p-Isopropyltoluene

Concen: 18.67 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003192.D

Acq: 06 Jul 2018 01:00

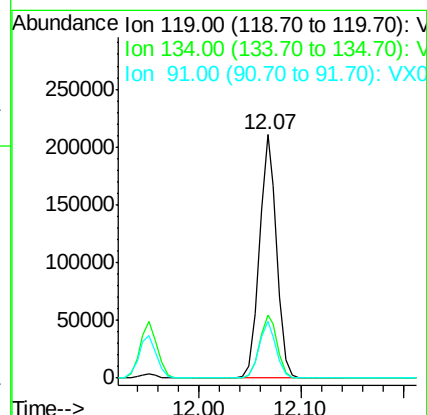
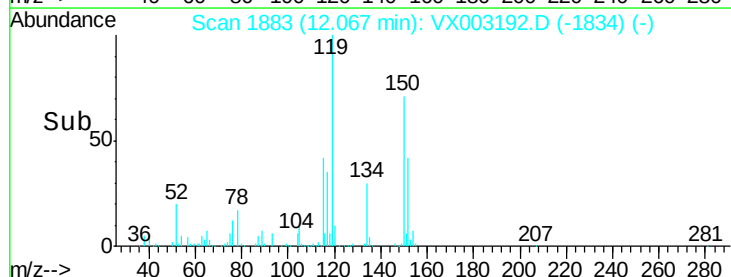
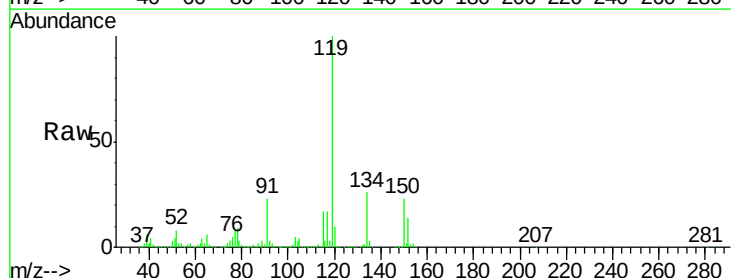
Tgt Ion:119 Resp: 250016

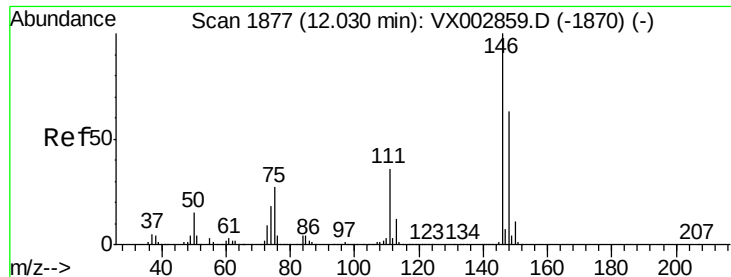
Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.1

91 23.1 11.9 35.7





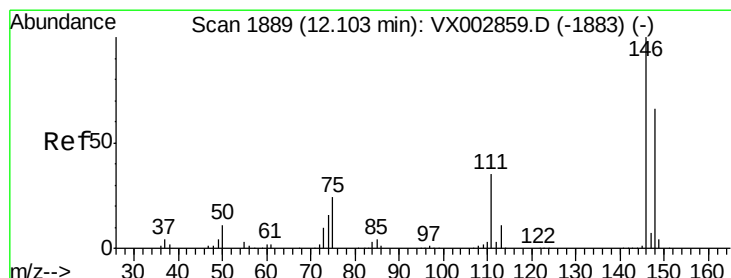
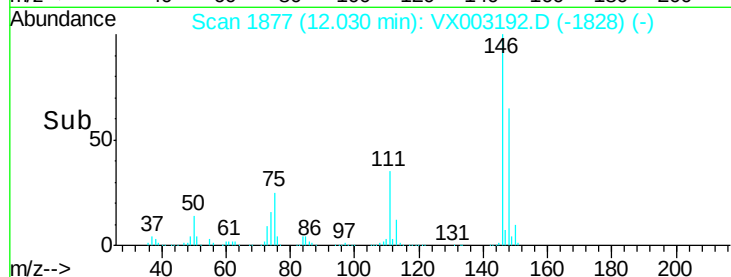
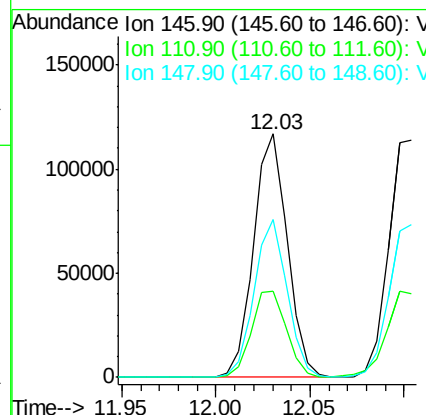
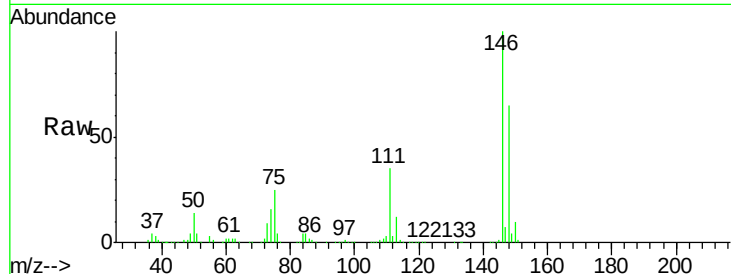
#87
 1,3-Dichlorobenzene
 Concen: 18.88 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003192.D
 Acq: 06 Jul 2018 01:00

Instrument :
 MSVOA_X
 ClientSampled :
 VX0705WBS04

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.9	56.7
148	63.6	32.1	96.3

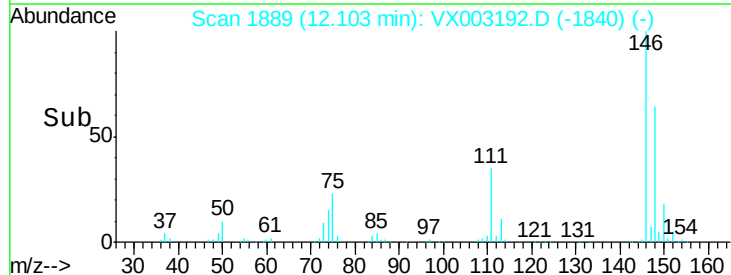
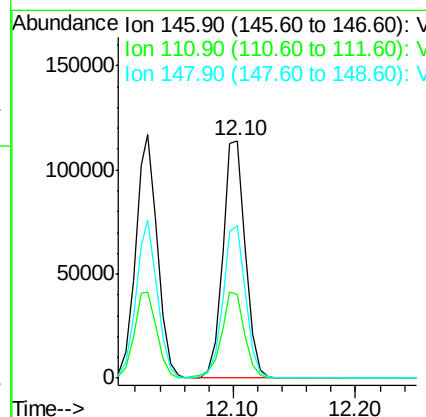
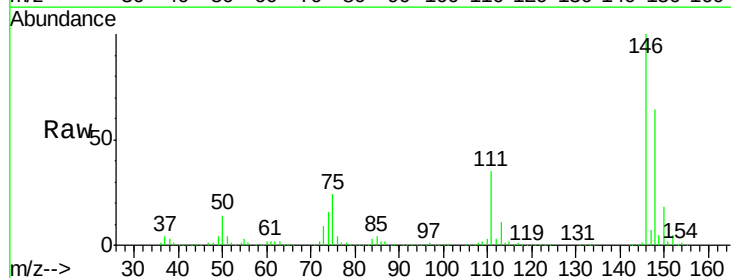
Manual Integrations
 APPROVED

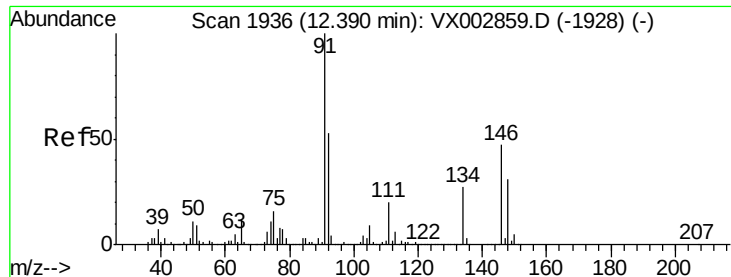
sam
 7/6/2018 4:20:37 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.51 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX003192.D
 Acq: 06 Jul 2018 01:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.7	56.1
148	64.4	32.4	97.0





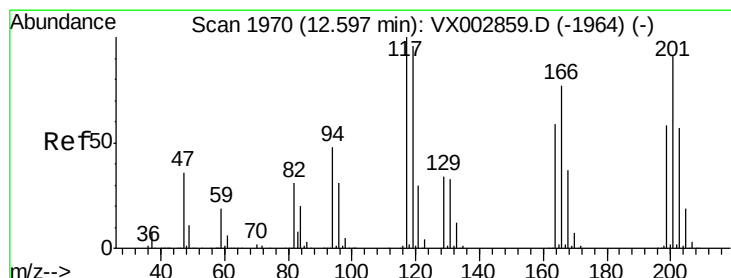
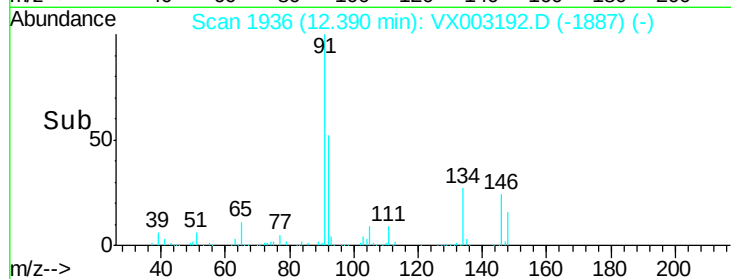
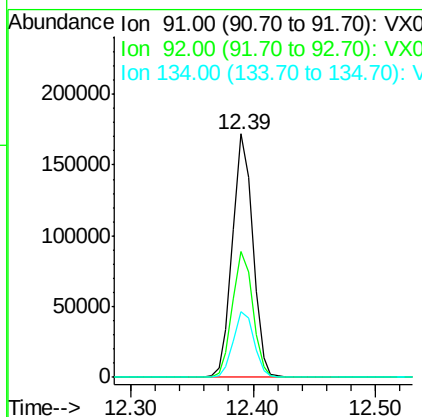
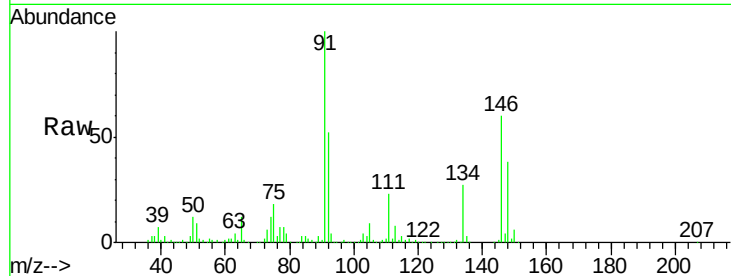
#89
n-Butylbenzene
Concen: 16.89 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003192.D
Acq: 06 Jul 2018 01:00

Instrument :
MSVOA_X
ClientSampled :
VX0705WBS04

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.0	78.0
134	27.6	13.5	40.5

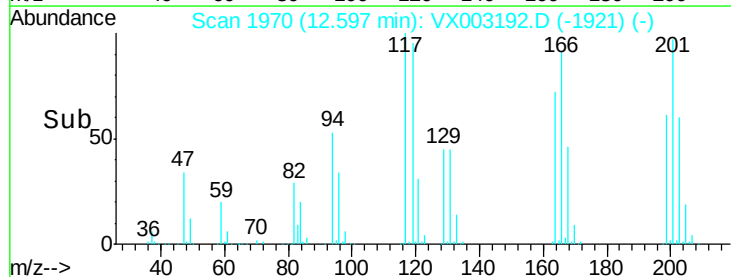
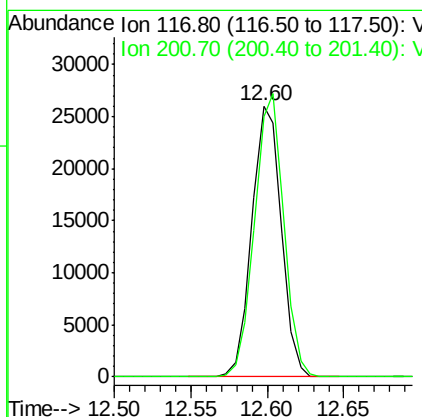
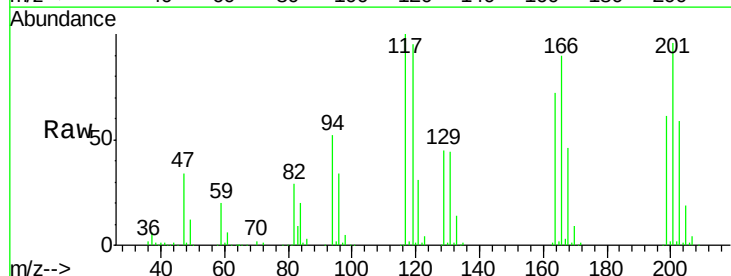
Manual Integrations
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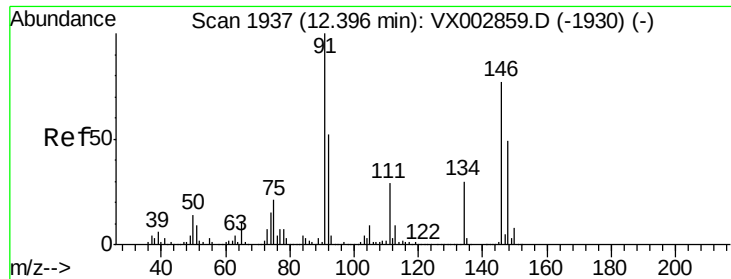
sam
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#90
Hexachloroethane
Concen: 17.54 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003192.D
Acq: 06 Jul 2018 01:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	103.3	49.0	147.0





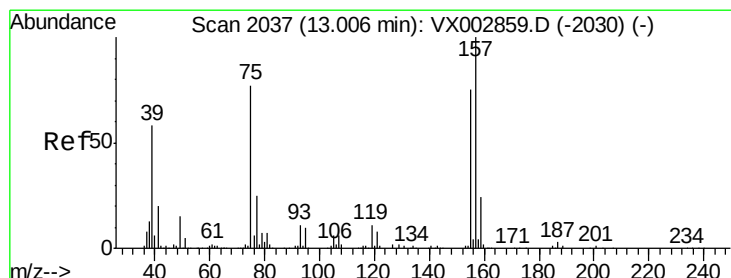
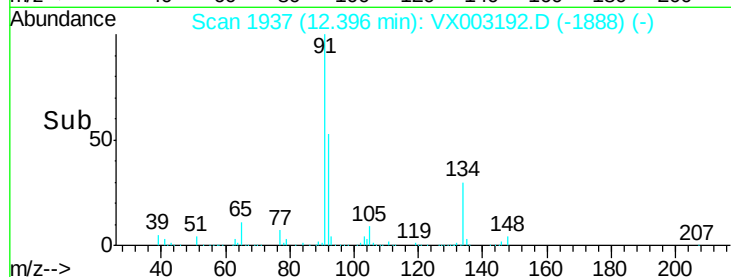
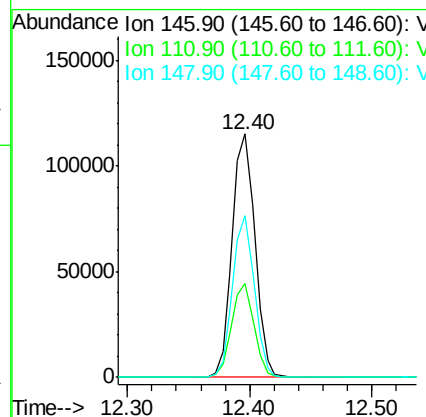
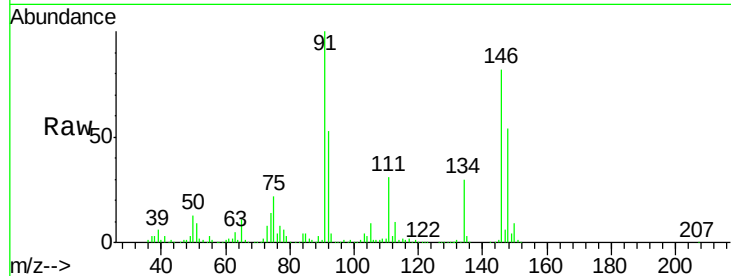
#91
 1,2-Dichlorobenzene
 Concen: 19.15 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003192.D
 Acq: 06 Jul 2018 01:00

Instrument :
 MSVOA_X
 ClientSampled :
 VX0705WBS04

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	19.4	58.1
148	63.4	31.7	95.1

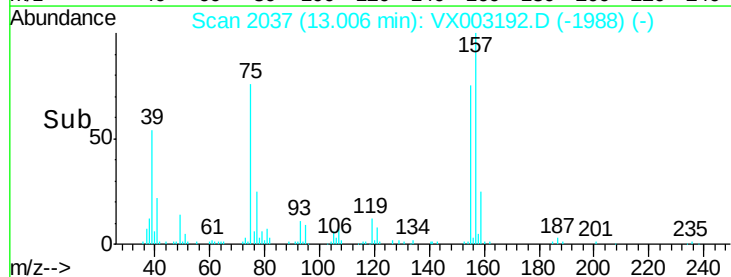
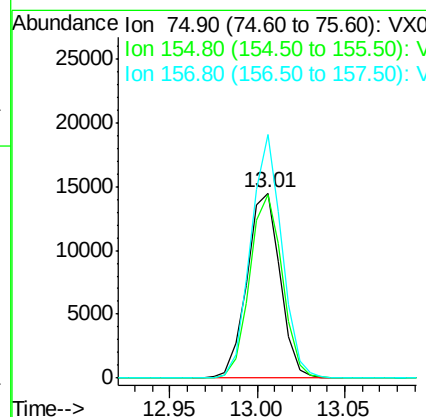
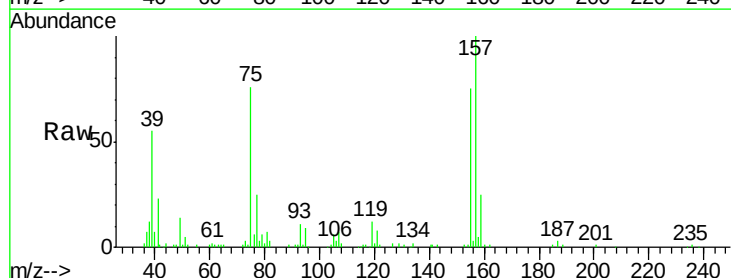
Manual Integrations
 APPROVED

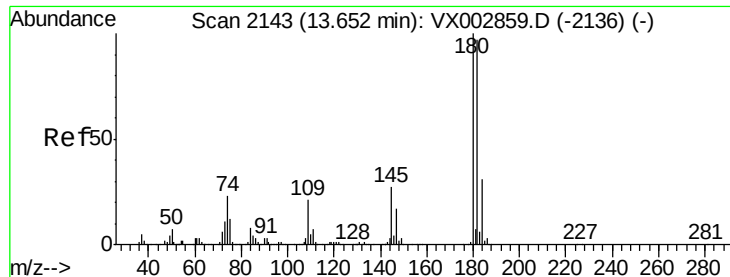
sam
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.50 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX003192.D
 Acq: 06 Jul 2018 01:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.3	45.8	137.4
157	124.1	60.1	180.3





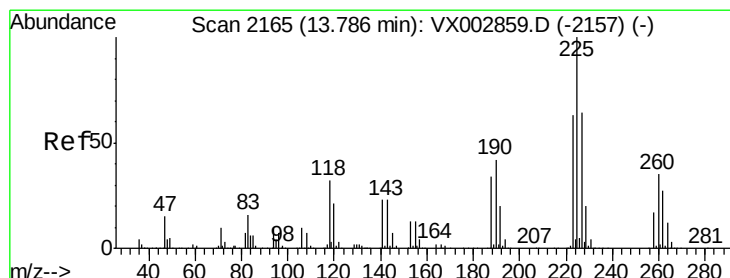
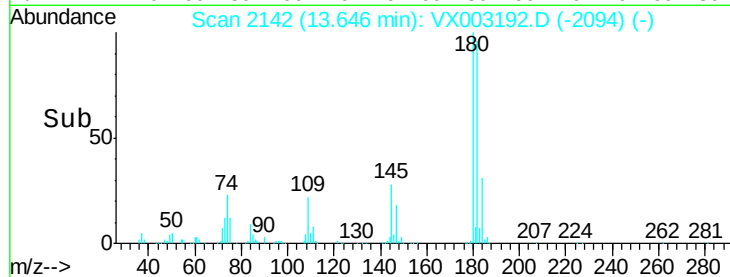
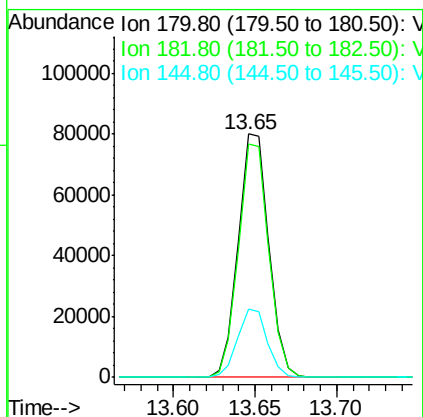
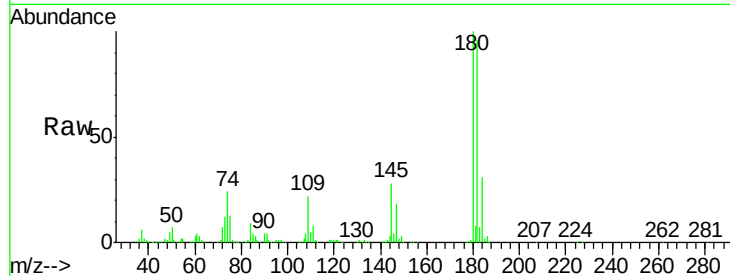
#93
 1,2,4-Trichlorobenzene
 Concen: 18.48 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.01 min
 Lab File: VX003192.D
 Acq: 06 Jul 2018 01:00

Instrument :
 MSVOA_X
 ClientSampled :
 VX0705WBS04

Tot Ion	Ratio	Resp	Lower	Upper
180	100	104398		
182	95.6	47.7	143.1	
145	27.4	14.1	42.4	

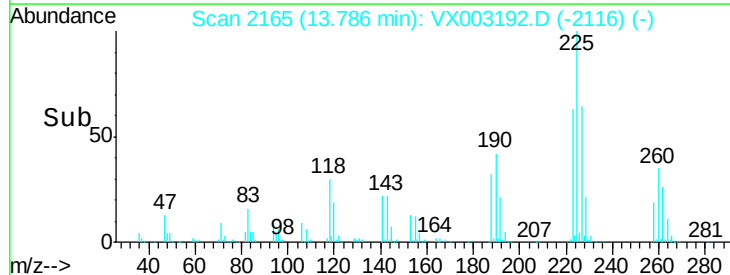
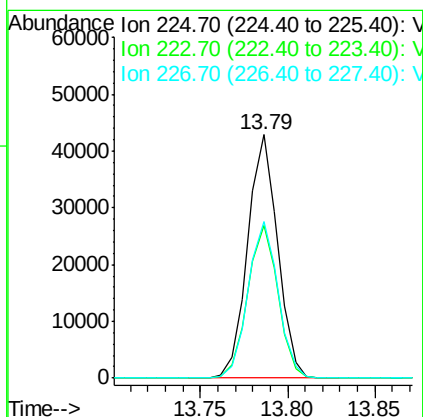
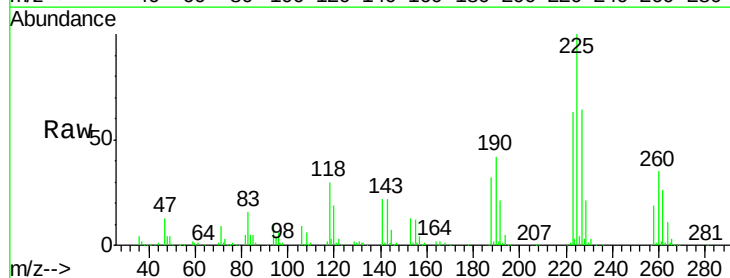
Manual Integrations
 APPROVED

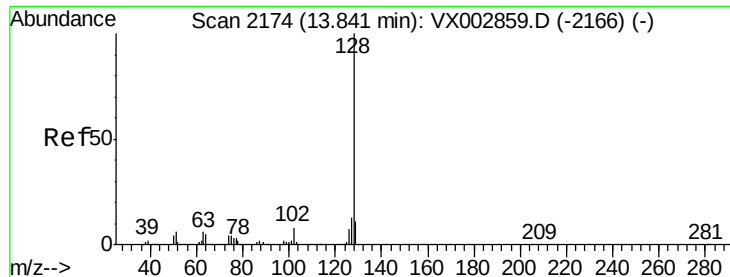
sam
 7/6/2018 4:20:37 PM



#94
 Hexachlorobutadiene
 Concen: 18.11 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003192.D
 Acq: 06 Jul 2018 01:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	51047		
223	63.2	31.6	95.0	
227	64.3	32.4	97.2	





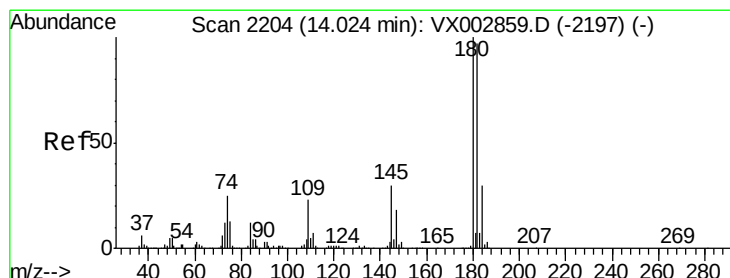
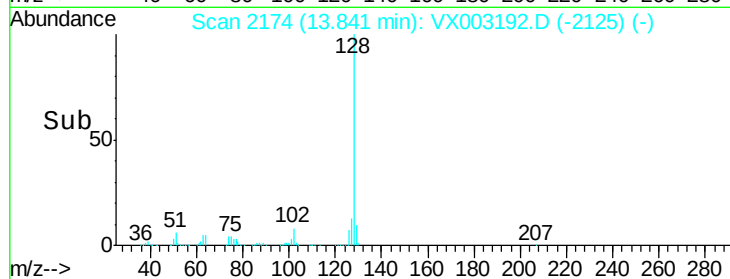
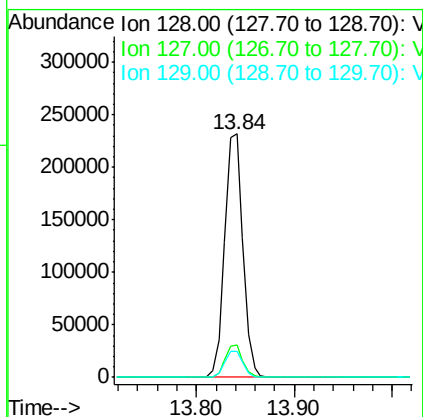
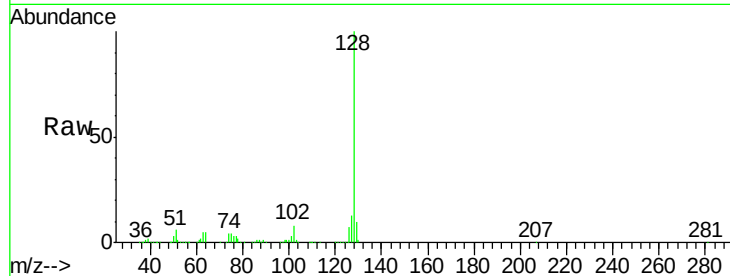
#95
Naphthalene
Concen: 19.92 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX003192.D
Acq: 06 Jul 2018 01:00

Instrument :
MSVOA_X
ClientSampleId :
VX0705WBS04

Tot Ion	Ratio	Resp	Lower	Upper
128	100	299735		
127	13.0		10.4	15.6
129	10.9		8.6	13.0

Manual Integrations
APPROVED

sam
7/6/2018 4:20:37 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.27 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX003192.D
Acq: 06 Jul 2018 01:00

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	108740		
182	94.9		48.0	144.0
145	28.8		14.8	44.3

