

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080718\
 Data File : VX003904.D
 Acq On : 08 Aug 2018 03:11
 Operator : JC/MD
 Sample : VX0807WBS03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0807WBS03

Manual Integrations
 APPROVED

sam
 8/21/2018 4:31:47 PM

Quant Time: Aug 08 05:04:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 07:45:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	329339	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	488326	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	463633	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	262268	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	219784	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
35) Dibromofluoromethane	5.51	113	181712	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	
50) Toluene-d8	8.72	98	706577	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	
62) 4-Bromofluorobenzene	11.14	95	254543	54.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	66838	20.03	ug/l	99
3) Chloromethane	1.32	50	85539	18.84	ug/l	100
4) Vinyl Chloride	1.40	62	89093	19.67	ug/l	100
5) Bromomethane	1.64	94	55360	20.77	ug/l	100
6) Chloroethane	1.72	64	75130	25.93	ug/l	97
7) Trichlorofluoromethane	1.93	101	118193	19.77	ug/l	99
8) Diethyl Ether	2.19	74	53627	19.95	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	72018	19.27	ug/l	99
10) Methyl Iodide	2.51	142	87157	18.75	ug/l	99
11) Tert butyl alcohol	3.07	59	100922	96.20	ug/l	99
12) 1,1-Dichloroethene	2.37	96	68500	19.38	ug/l	98
13) Acrolein	2.29	56	50472	89.25	ug/l	100
14) Allyl chloride	2.73	41	127681	18.74	ug/l	100
15) Acrylonitrile	3.15	53	249821	99.80	ug/l	100
16) Acetone	2.45	43	252788	97.33	ug/l	99
17) Carbon Disulfide	2.57	76	186093	18.85	ug/l	99
18) Methyl Acetate	2.78	43	115223	20.37	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	251045	20.04	ug/l	98
20) Methylene Chloride	2.85	84	84953	19.65	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	76814	19.14	ug/l	98
22) Diisopropyl ether	3.87	45	248767	19.86	ug/l	99
23) Vinyl Acetate	3.82	43	1013108	97.21	ug/l	100
24) 1,1-Dichloroethane	3.70	63	148162	19.91	ug/l	99
25) 2-Butanone	4.71	43	384854	98.55	ug/l	100
26) 2,2-Dichloropropane	4.59	77	62593	11.67	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	84807	19.48	ug/l	96
28) Bromochloromethane	5.02	49	67174	21.10	ug/l	99
29) Tetrahydrofuran	5.17	42	197467	98.39	ug/l	99
30) Chloroform	5.21	83	141972	20.27	ug/l	99
31) Cyclohexane	5.57	56	120425	19.14	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	118468	20.17	ug/l	98
36) 1,1-Dichloropropene	5.80	75	104207	19.05	ug/l	100
37) Ethyl Acetate	4.87	43	116824	19.42	ug/l	99
38) Carbon Tetrachloride	5.78	117	101373	19.47	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	116765	18.11	ug/l	99
40) Benzene	6.15	78	324663	19.77	ug/l	99
41) Methacrylonitrile	5.06	41	64357	19.42	ug/l	99
42) 1,2-Dichloroethane	6.20	62	111824	20.14	ug/l	100
43) Isopropyl Acetate	6.47	43	175177	19.35	ug/l	99
44) Trichloroethene	7.21	130	84700	18.86	ug/l	94
45) 1,2-Dichloropropane	7.52	63	82490	19.45	ug/l	99
46) Dibromomethane	7.67	93	53631	19.48	ug/l	98
47) Bromodichloromethane	7.90	83	100291	19.34	ug/l	99
48) Methyl methacrylate	7.78	41	90429	19.65	ug/l	100
49) 1,4-Dioxane	7.76	88	41289	380.84	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	759160	101.16	ug/l	99
52) Toluene	8.79	92	206216	19.87	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	100618	17.16	ug/l	97
54) cis-1,3-Dichloropropene	8.44	75	113310	17.92	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	83251	19.63	ug/l	98
56) Ethyl methacrylate	9.18	69	118048	19.19	ug/l	100
57) 1,3-Dichloropropane	9.37	76	142368	20.06	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	309741	102.38	ug/l	99
59) 2-Hexanone	9.50	43	573430	102.22	ug/l	99
60) Dibromochloromethane	9.59	129	79230	20.04	ug/l	99
61) 1,2-Dibromoethane	9.68	107	86247	20.31	ug/l	100
64) Tetrachloroethene	9.34	164	84740	18.58	ug/l	92
65) Chlorobenzene	10.14	112	228920	18.98	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	78951	19.04	ug/l	98
67) Ethyl Benzene	10.26	91	377901	19.14	ug/l	99
68) m/p-Xylenes	10.36	106	299673	38.84	ug/l	97
69) o-Xylene	10.70	106	142527	19.57	ug/l	96
70) Styrene	10.71	104	238584	20.01	ug/l	98
71) Bromoform	10.86	173	59147	18.75	ug/l #	98
73) Isopropylbenzene	11.02	105	381337	19.66	ug/l	96
74) N-amyl acetate	6.47	43	175177	17.36	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	129984	19.55	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	112627m	19.44	ug/l	
77) Bromobenzene	11.26	156	100475	19.41	ug/l	99
78) n-propylbenzene	11.36	91	431005	19.78	ug/l	100
79) 2-Chlorotoluene	11.42	91	260800	19.63	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	319057	20.17	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	29381	15.40	ug/l	95
82) 4-Chlorotoluene	11.51	91	304158	19.54	ug/l	99
83) tert-Butylbenzene	11.77	119	308781	19.84	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	329916	20.74	ug/l	100
85) sec-Butylbenzene	11.94	105	367608	20.01	ug/l	99
86) p-Isopropyltoluene	12.07	119	323087	19.60	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	183129	19.14	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	174996	18.91	ug/l	98
89) n-Butylbenzene	12.39	91	237831	16.56	ug/l	100
90) Hexachloroethane	12.60	117	43266	16.17	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	170208	17.95	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	22014	16.16	ug/l	100

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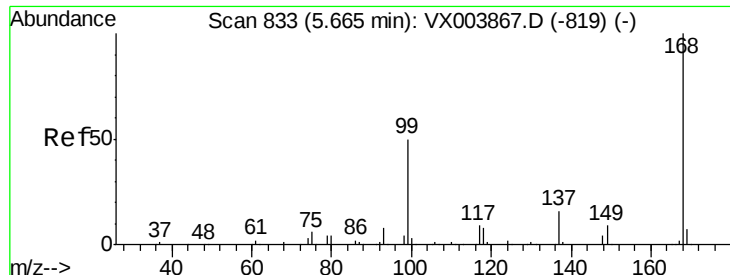
Manual Integrations
APPROVED

sam
8/21/2018 4:31:47 PM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	123555	18.11	ug/l	97
94) Hexachlorobutadiene	13.79	225	56936	19.19	ug/l	100
95) Naphthalene	13.83	128	395789	20.26	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	133216	19.57	ug/l	100

(#) = 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: VX003904.D

Acq: 08 Aug 2018 03:11

Instrument :

MSVOA_X

ClientSampled :

VX0807WBS03

Tot Ion:168 Resp: 329339

Ion Ratio Lower Upper

168 100

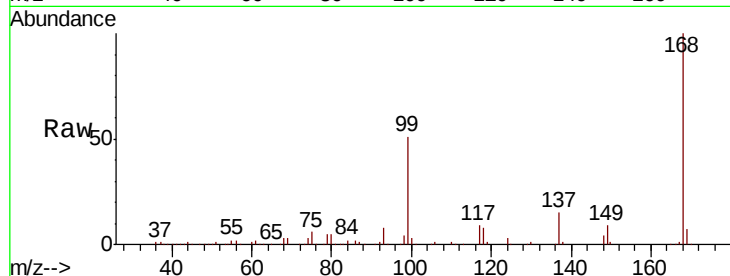
99 51.0 40.1 60.1

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

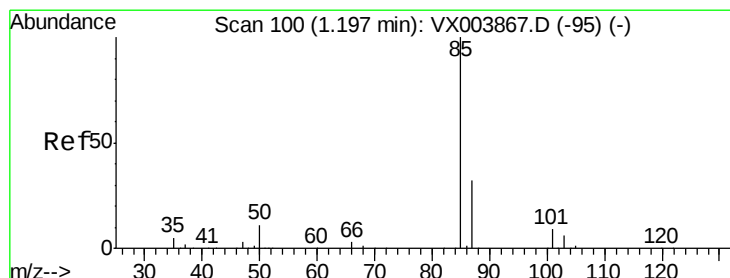
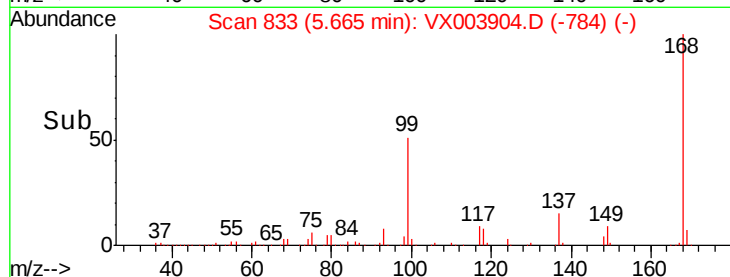
5.67

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.03 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003904.D

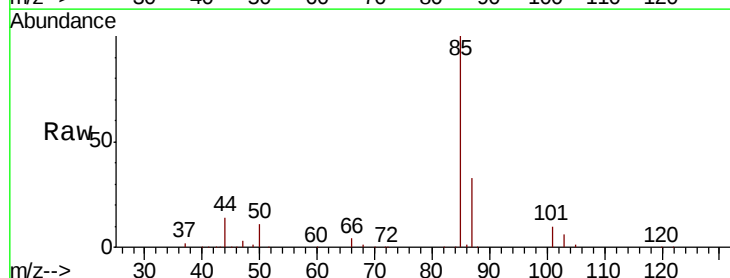
Acq: 08 Aug 2018 03:11

Tgt Ion: 85 Resp: 66838

Ion Ratio Lower Upper

85 100

87 32.6 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

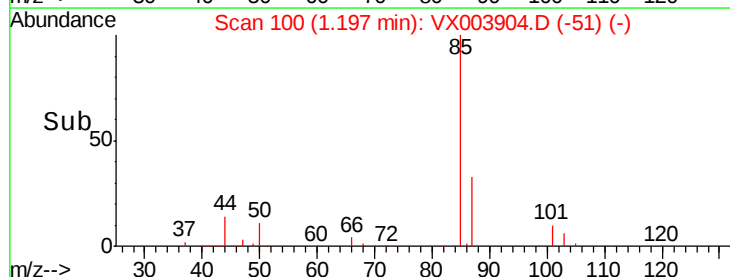
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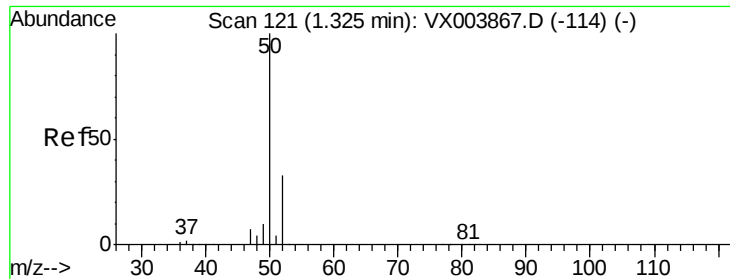
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20000

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Time-->





#3

Chloromethane

Concen: 18.84 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003904.D

Acq: 08 Aug 2018 03:11

Instrument :

MSVOA_X

ClientSampleId :

VX0807WBS03

Tot Ion: 50 Resp: 85539

Ion Ratio Lower Upper

50 100

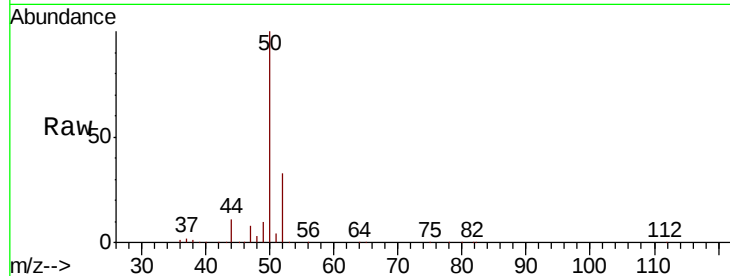
52 33.5 26.6 39.8

Manual Integrations

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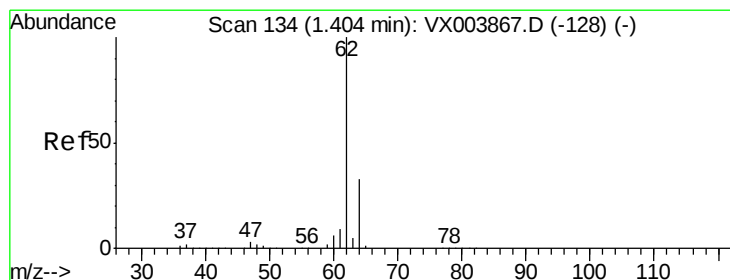
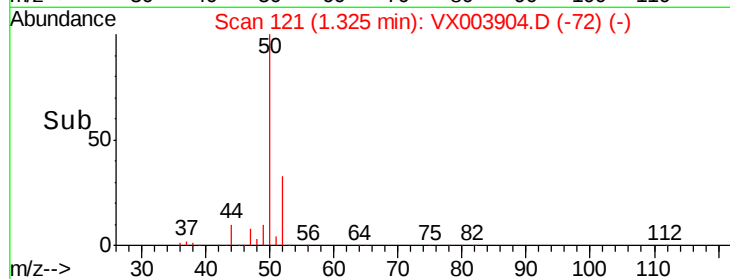
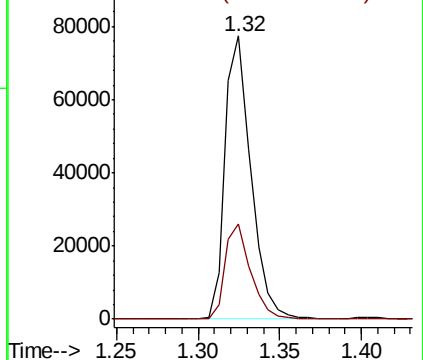
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.67 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003904.D

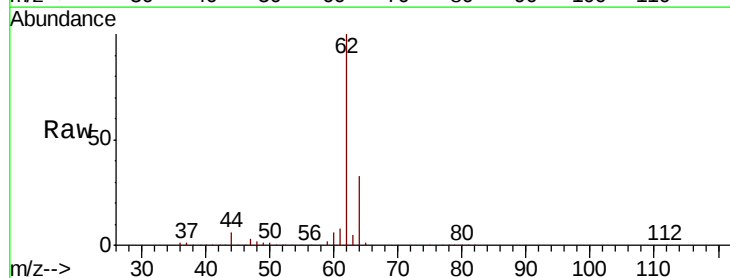
Acq: 08 Aug 2018 03:11

Tgt Ion: 62 Resp: 89093

Ion Ratio Lower Upper

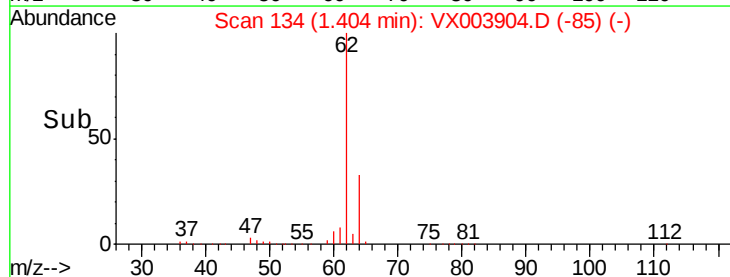
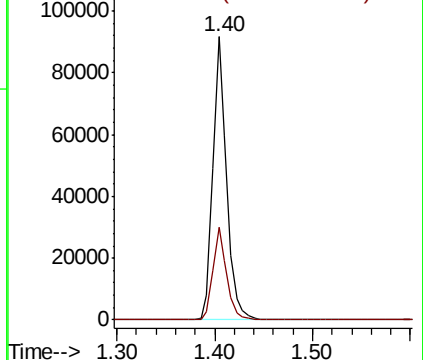
62 100

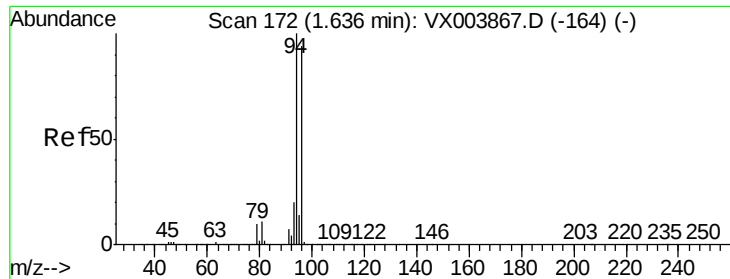
64 32.5 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 20.77 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003904.D

Acq: 08 Aug 2018 03:11

Instrument :

MSVOA_X

ClientSampleId :

VX0807WBS03

Tot Ion: 94 Resp: 55360

Ion Ratio Lower Upper

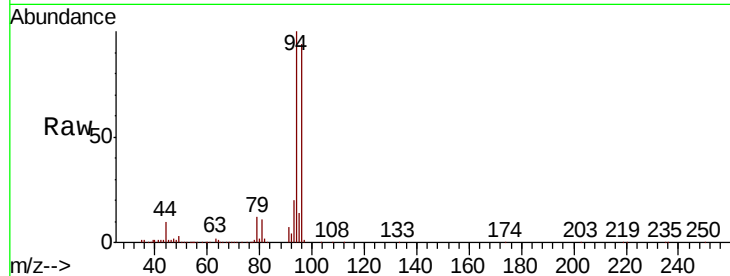
94 100

96 93.8 75.2 112.8

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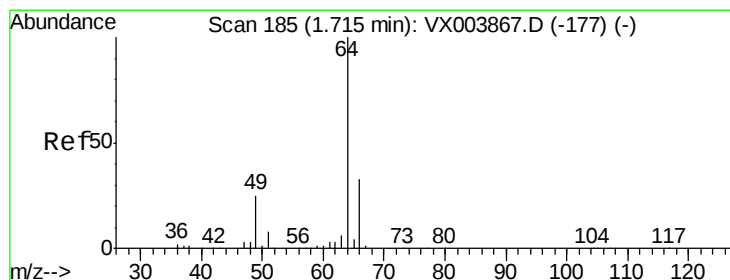
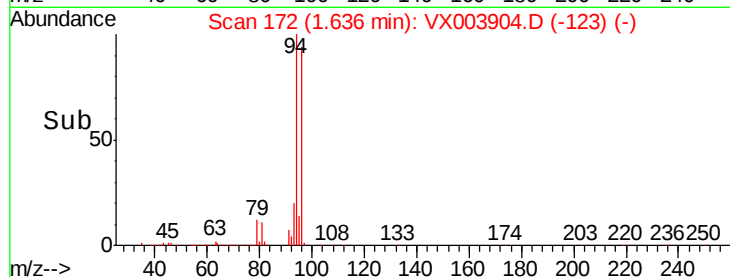
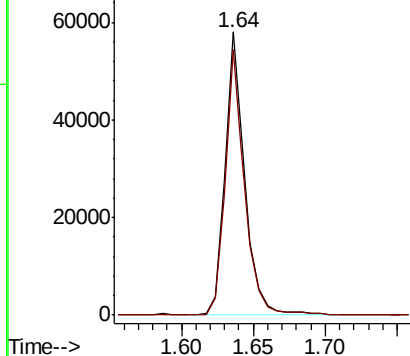
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 25.93 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX003904.D

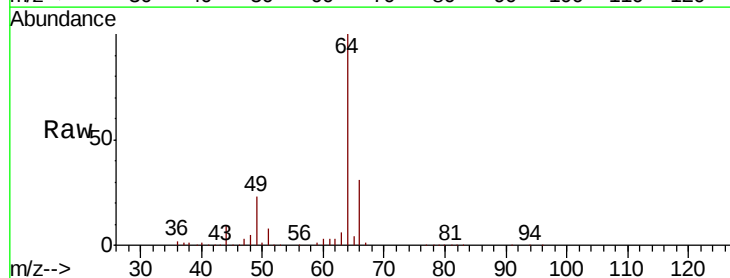
Acq: 08 Aug 2018 03:11

Tgt Ion: 64 Resp: 75130

Ion Ratio Lower Upper

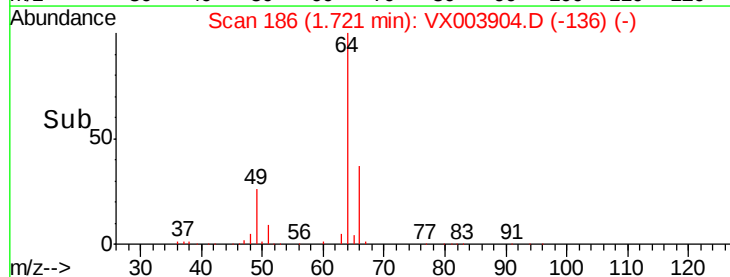
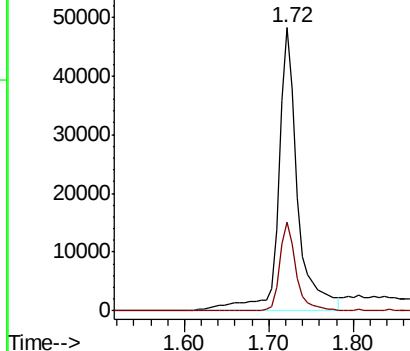
64 100

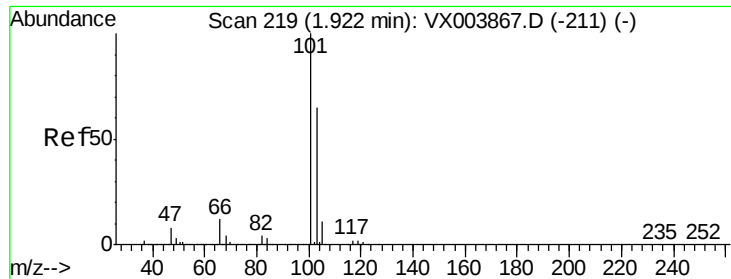
66 31.2 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

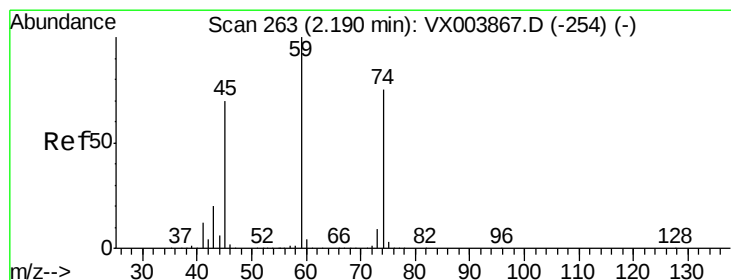
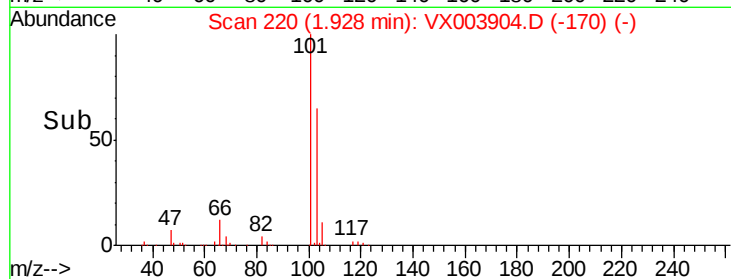
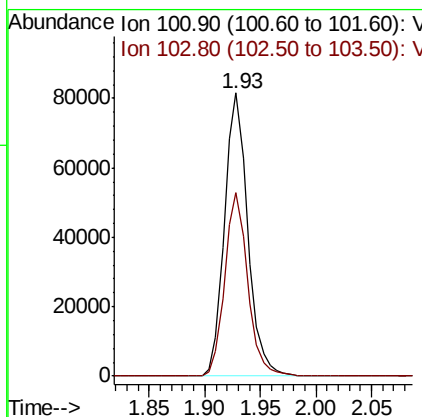
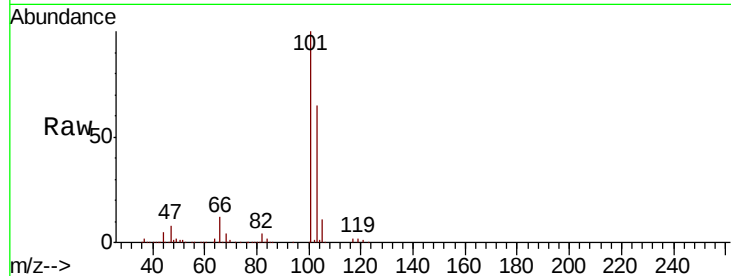
Trichlorofluoromethane
 Concen: 19.77 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX003904.D
 Acq: 08 Aug 2018 03:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0807WBS03

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.3	78.5

Manual Integrations
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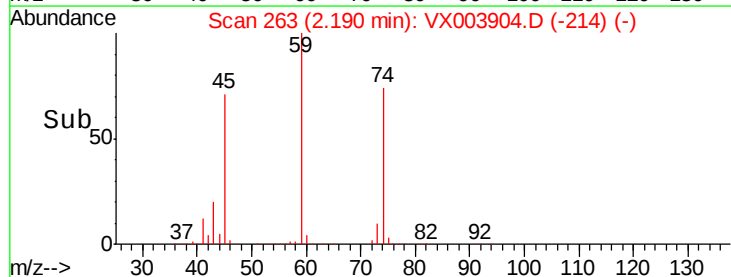
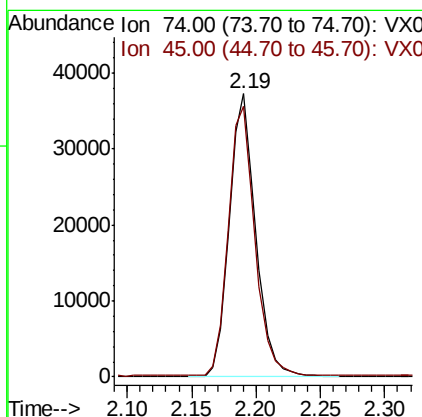
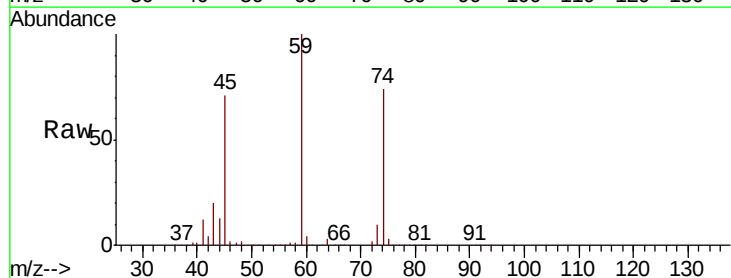
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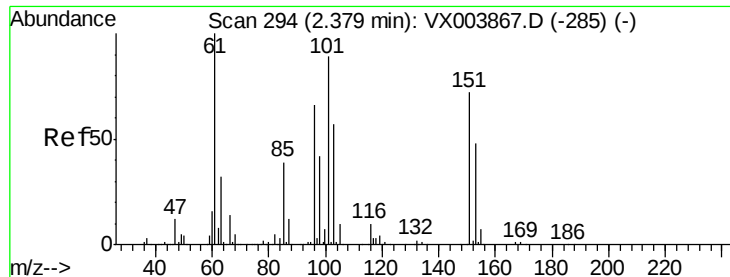


#8

Diethyl Ether
 Concen: 19.95 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX003904.D
 Acq: 08 Aug 2018 03:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.6	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.27 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003904.D

Acq: 08 Aug 2018 03:11

Instrument :

MSVOA_X

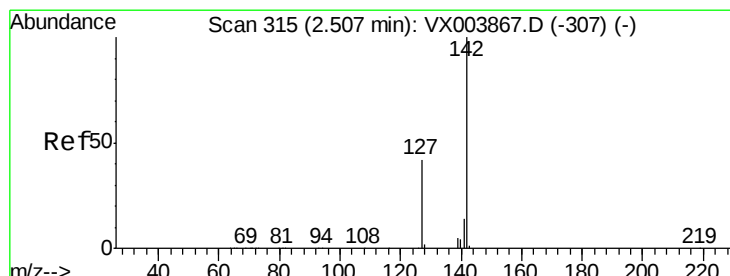
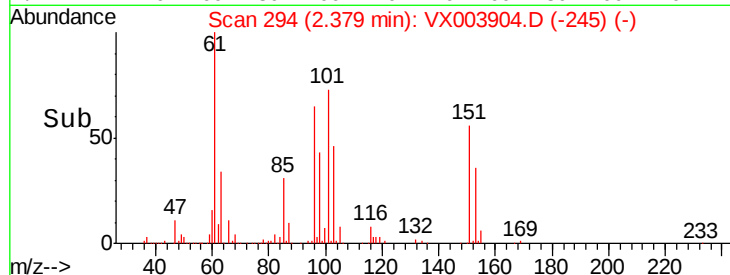
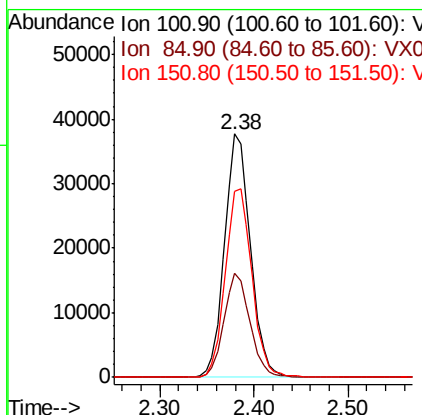
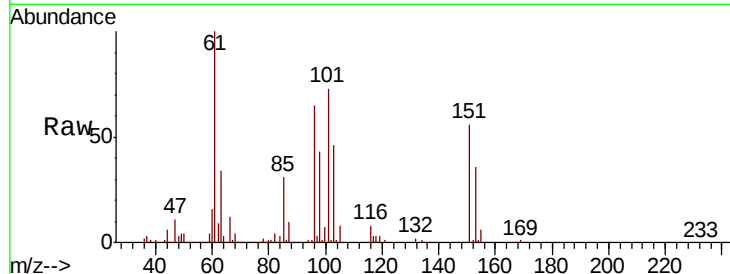
ClientSampleId :

VX0807WBS03

Tot Ion:	101	Resp:	72018
Ion Ratio	Lower	Upper	
101	100		
85	42.7	34.2	51.4
151	79.6	65.0	97.4

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#10

Methyl Iodide

Concen: 18.75 ug/l

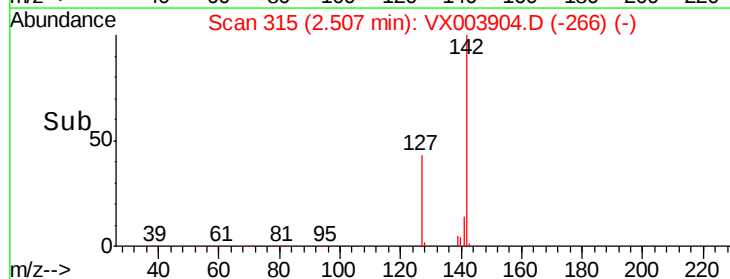
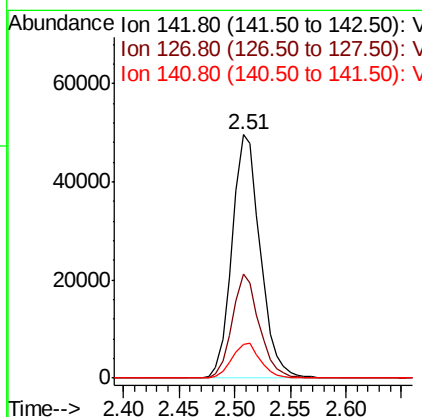
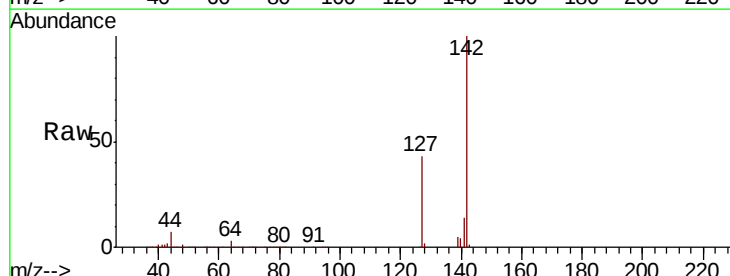
RT: 2.51 min Scan# 315

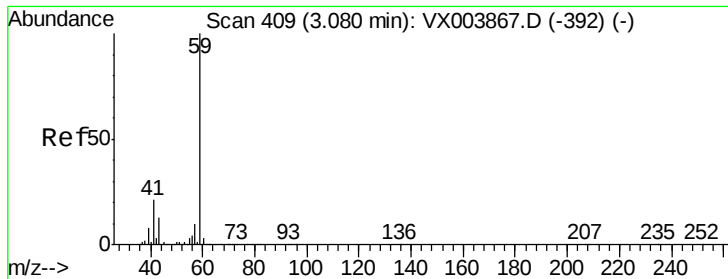
Delta R.T. 0.00 min

Lab File: VX003904.D

Acq: 08 Aug 2018 03:11

Tgt Ion:	142	Resp:	87157
Ion Ratio	Lower	Upper	
142	100		
127	41.2	33.1	49.7
141	14.5	11.1	16.7





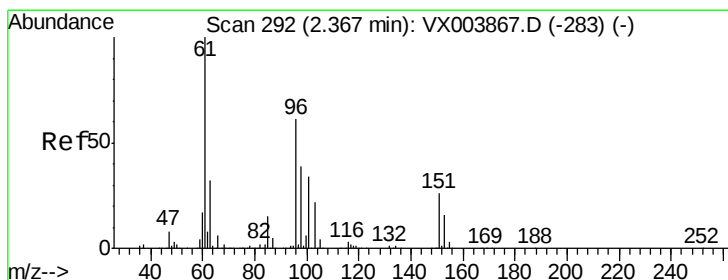
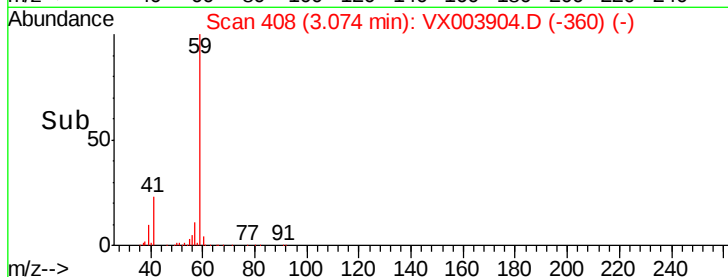
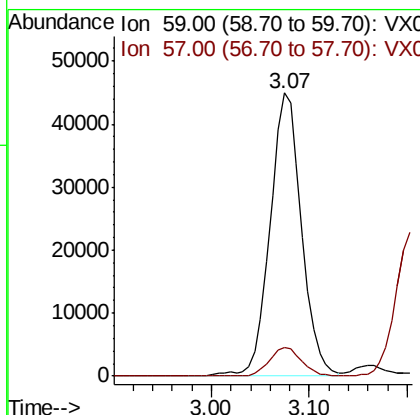
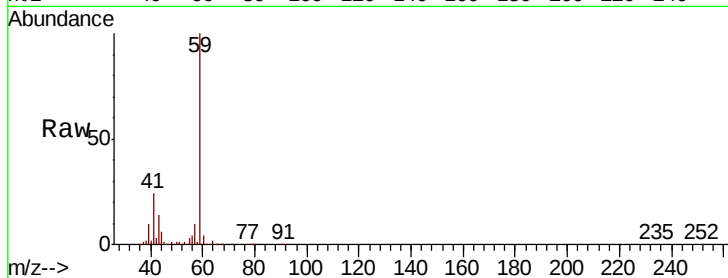
#11
Tert butyl alcohol
Concen: 96.20 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX003904.D
Acq: 08 Aug 2018 03:11

Instrument :
MSVOA_X
ClientSampled :
VX0807WBS03

Tot Ion: 59 Resp: 100922
Ion Ratio Lower Upper
59 100
57 10.5 8.1 12.1

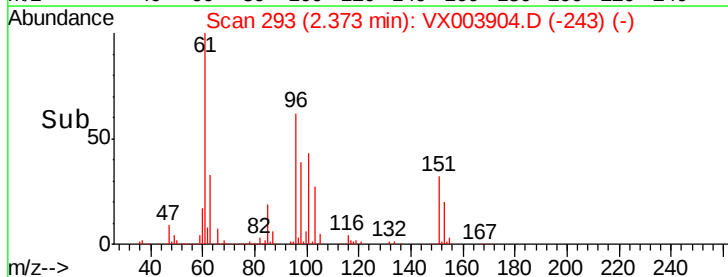
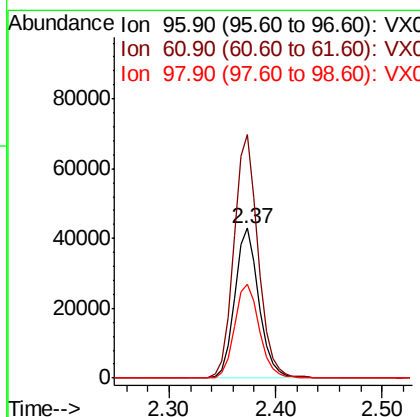
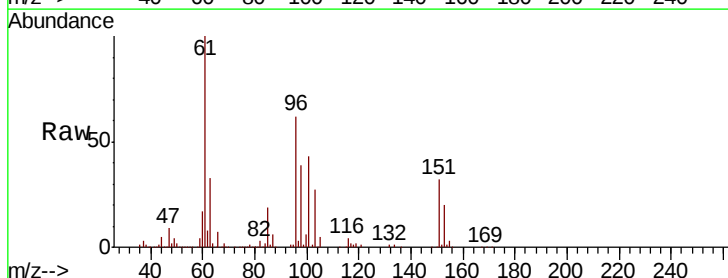
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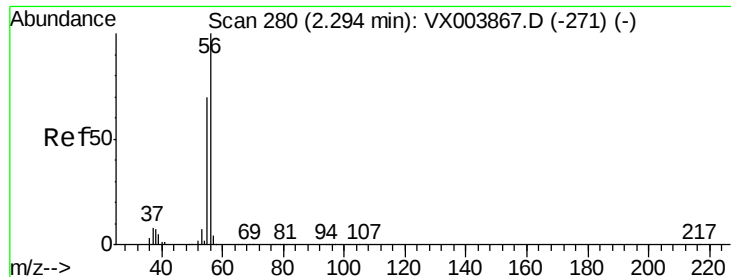
sam
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#12
1,1-Dichloroethene
Concen: 19.38 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.01 min
Lab File: VX003904.D
Acq: 08 Aug 2018 03:11

Tgt Ion: 96 Resp: 68500
Ion Ratio Lower Upper
96 100
61 162.4 131.3 196.9
98 62.6 51.8 77.6





#13

Acrolein

Concen: 89.25 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003904.D

Acq: 08 Aug 2018 03:11

Instrument :

MSVOA_X

ClientSampleId :

VX0807WBS03

Tot Ion: 56 Resp: 50472

Ion Ratio Lower Upper

56 100

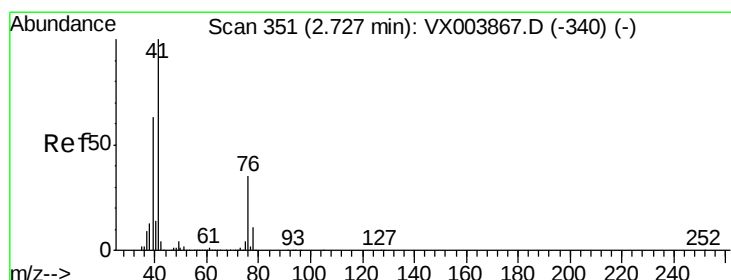
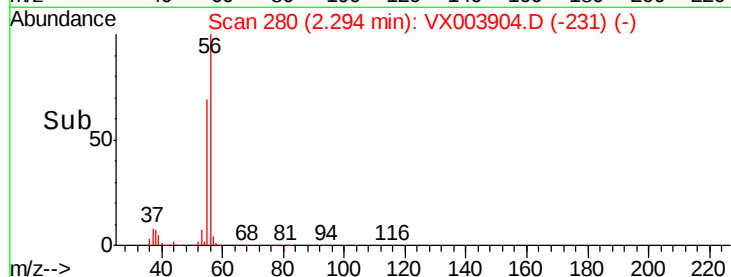
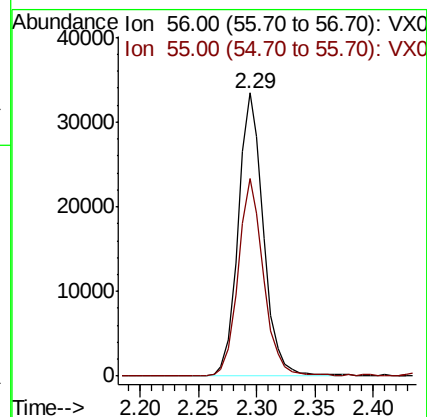
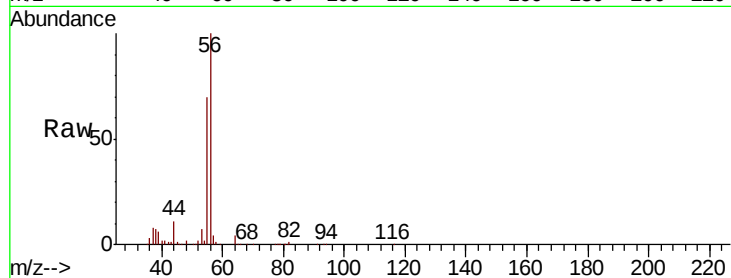
55 70.4 56.1 84.1

Manual Integrations

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#14

Allyl chloride

Concen: 18.74 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003904.D

Acq: 08 Aug 2018 03:11

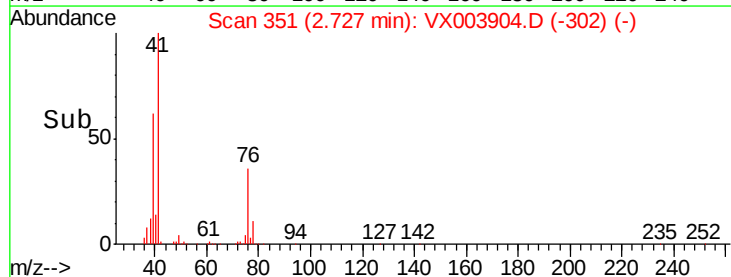
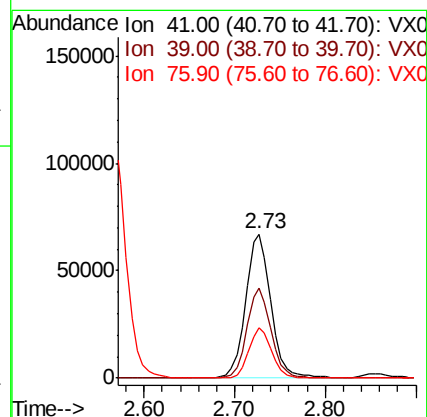
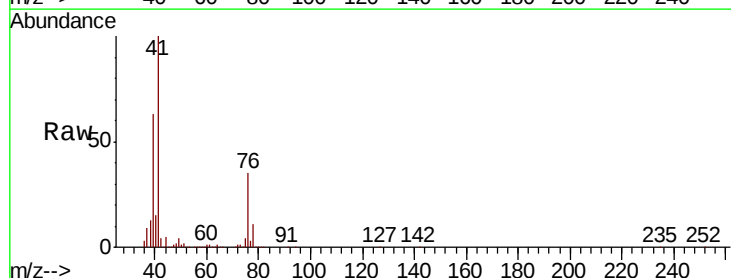
Tgt Ion: 41 Resp: 127681

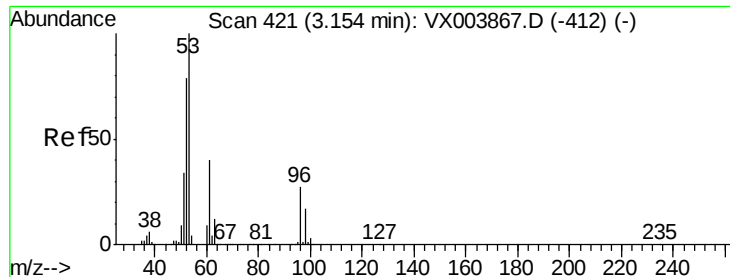
Ion Ratio Lower Upper

41 100

39 59.5 47.4 71.0

76 32.2 26.0 39.0





#15

Acrylonitrile

Concen: 99.80 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX003904.D

Acq: 08 Aug 2018 03:11

Instrument :

MSVOA_X

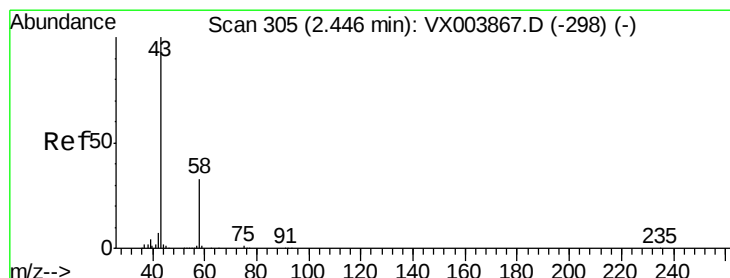
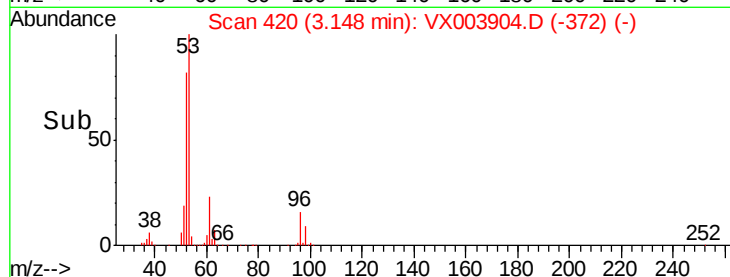
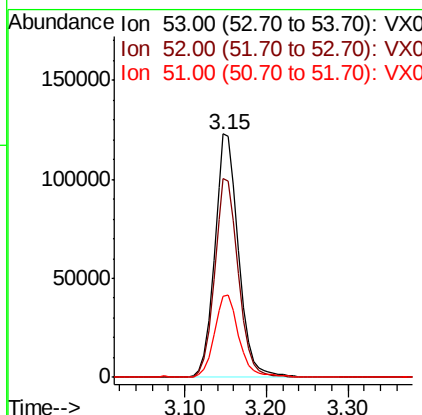
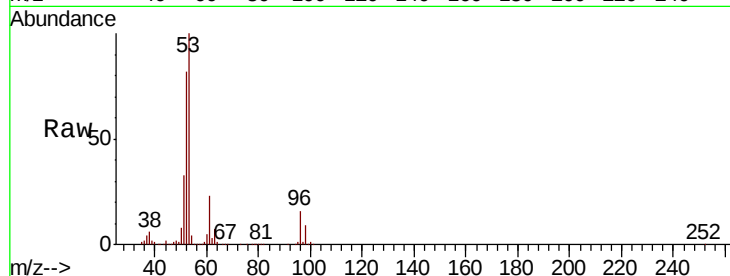
ClientSampled :

VX0807WBS03

Tot Ion:	53	Resp:	249821
Ion Ratio	Lower	Upper	
53	100		
52	81.6	65.3	97.9
51	34.7	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 97.33 ug/l

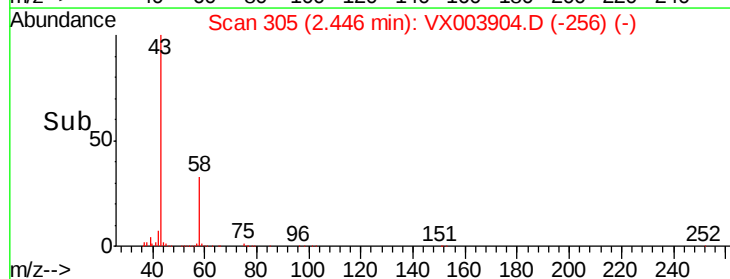
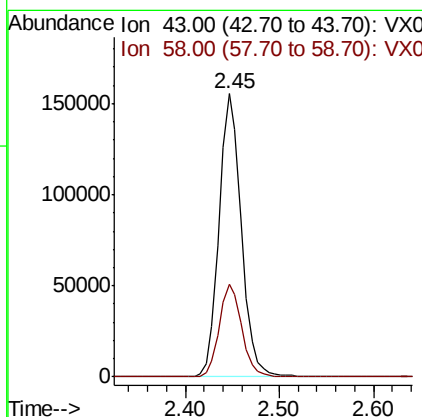
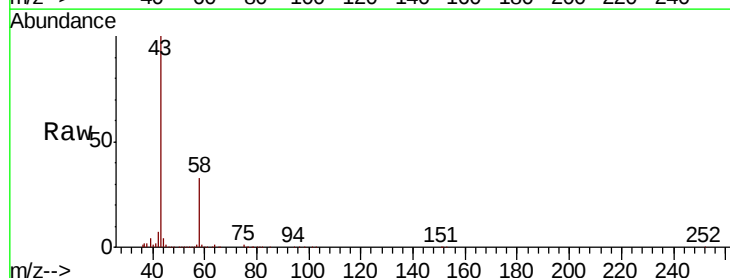
RT: 2.45 min Scan# 305

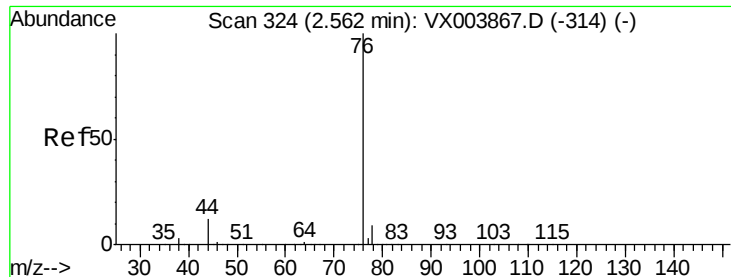
Delta R.T. 0.00 min

Lab File: VX003904.D

Acq: 08 Aug 2018 03:11

Tgt Ion:	43	Resp:	252788
Ion Ratio	Lower	Upper	
43	100		
58	32.6	26.4	39.6





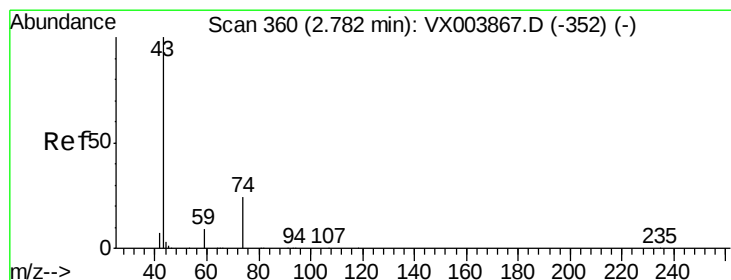
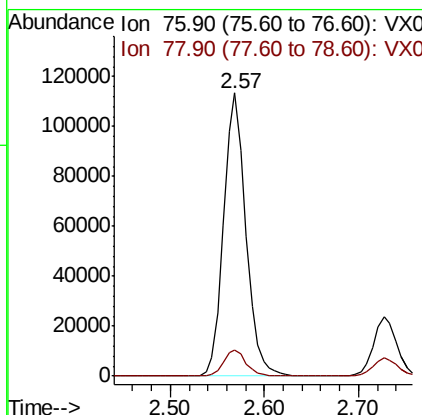
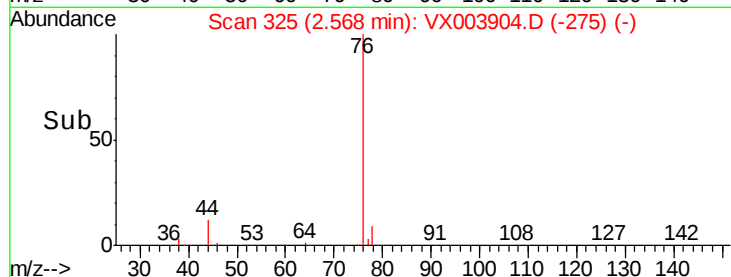
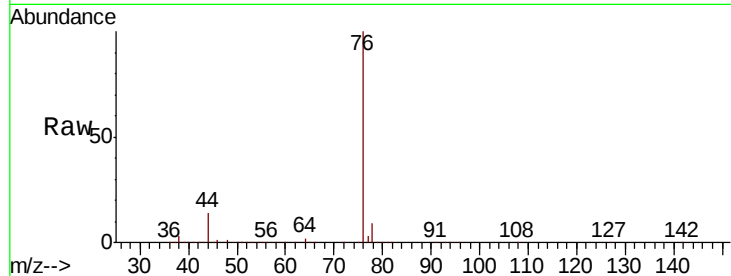
#17
Carbon Disulfide
Concen: 18.85 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.01 min
Lab File: VX003904.D
Acq: 08 Aug 2018 03:11

Instrument :
MSVOA_X
ClientSampleId :
VX0807WBS03

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.5	11.3

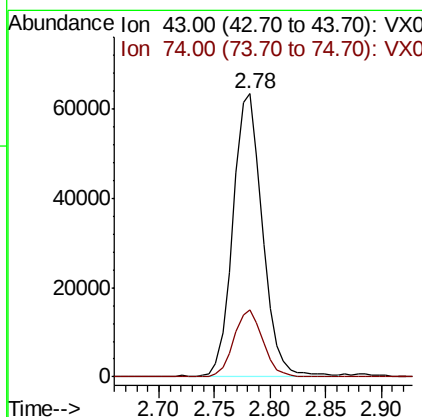
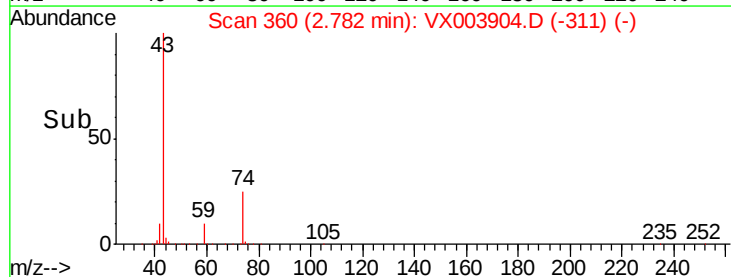
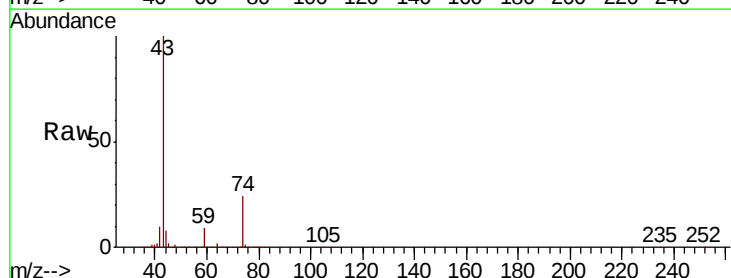
Manual Integrations
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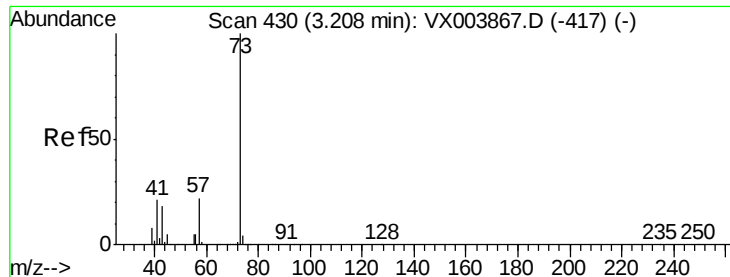
Sam
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#18
Methyl Acetate
Concen: 20.37 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003904.D
Acq: 08 Aug 2018 03:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	18.9	28.3





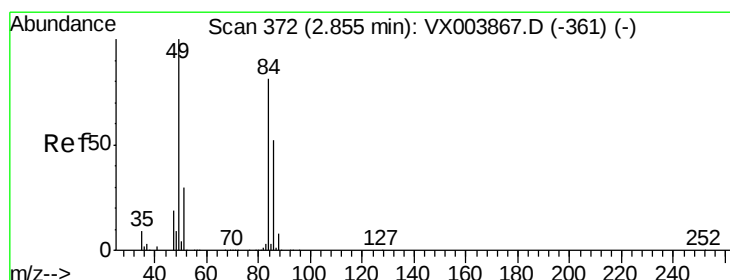
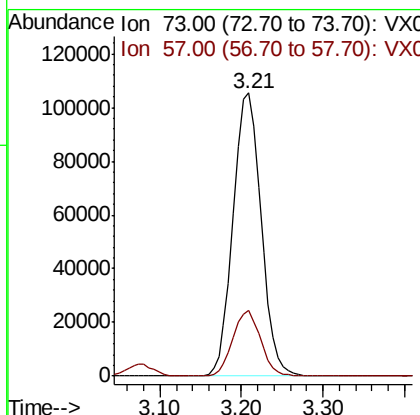
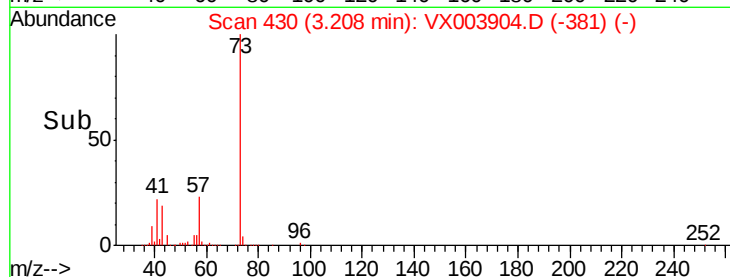
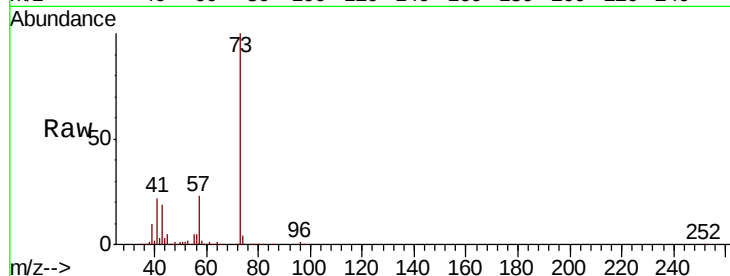
#19
Methvl tert-butvl Ether
Concen: 20.04 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX003904.D
Acq: 08 Aug 2018 03:11

Instrument :
MSVOA_X
ClientSampleId :
VX0807WBS03

Tot Ion: 73 Resp: 251045
Ion Ratio Lower Upper
73 100
57 23.3 18.0 27.0

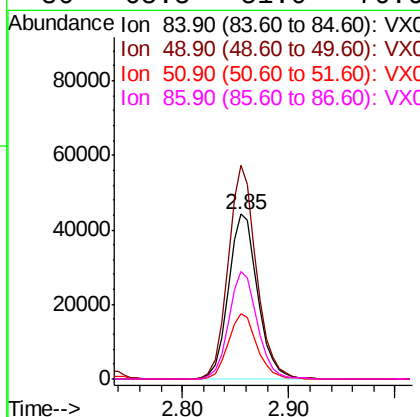
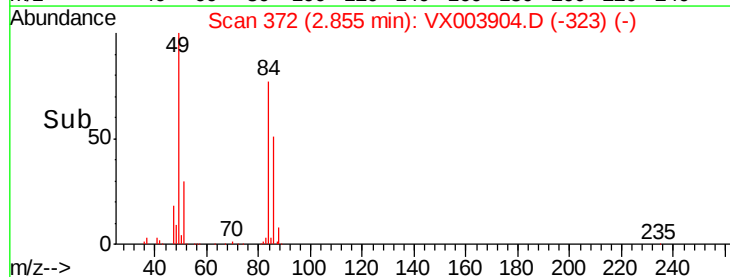
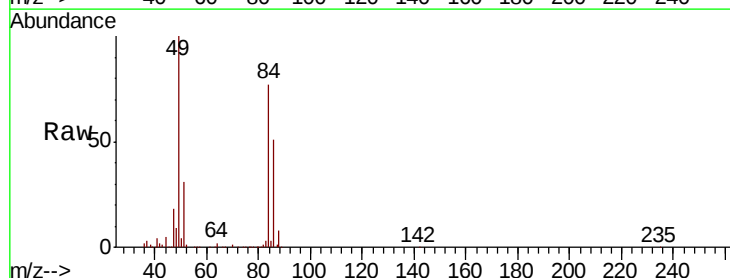
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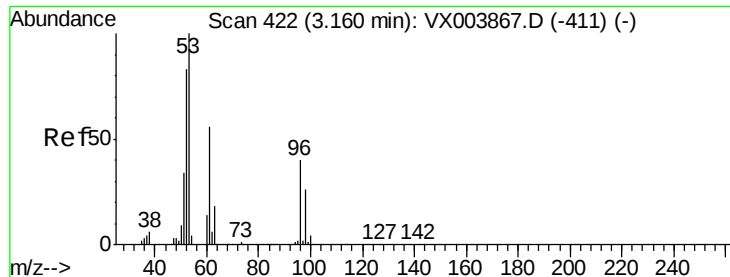
sam
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#20
Methylene Chloride
Concen: 19.65 ug/l
RT: 2.85 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003904.D
Acq: 08 Aug 2018 03:11

Tgt Ion: 84 Resp: 84953
Ion Ratio Lower Upper
84 100
49 129.6 98.9 148.3
51 39.4 29.9 44.9
86 65.5 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 19.14 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX003904.D

Acq: 08 Aug 2018 03:11

Instrument :

MSVOA_X

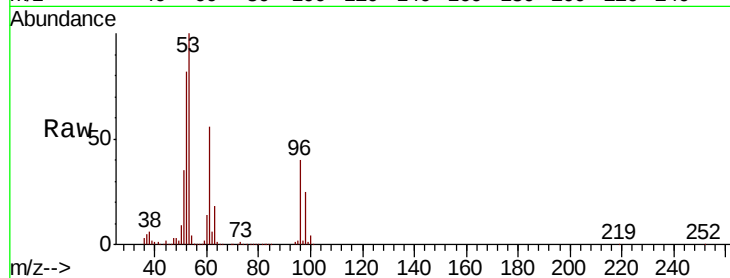
ClientSampleId :

VX0807WBS03

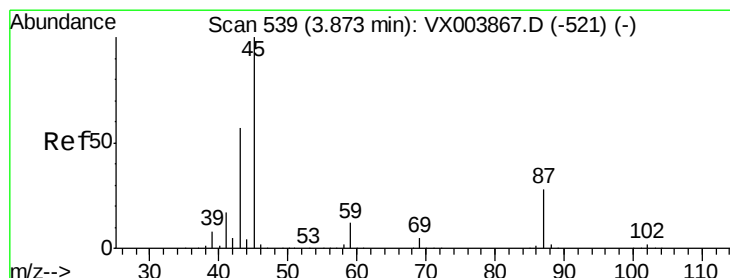
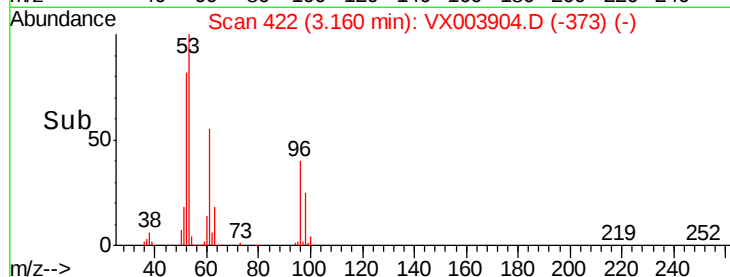
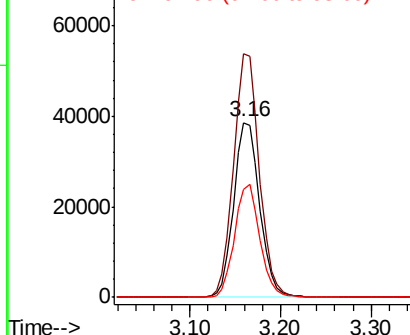
Tot Ion:	96	Resp:	76814
Ion	Ratio	Lower	Upper
96	100		
61	138.9	111.8	167.6
98	61.5	51.8	77.6

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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: 19.86 ug/l

RT: 3.87 min Scan# 539

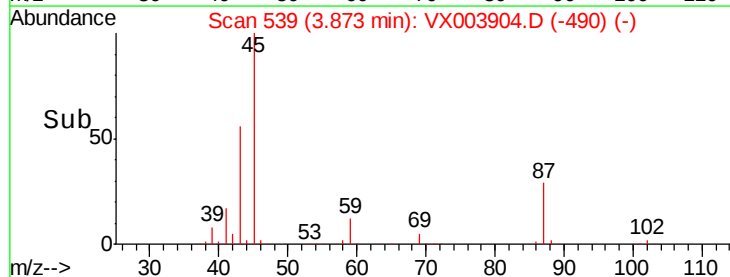
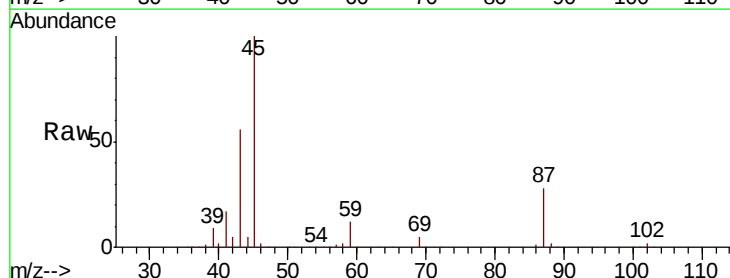
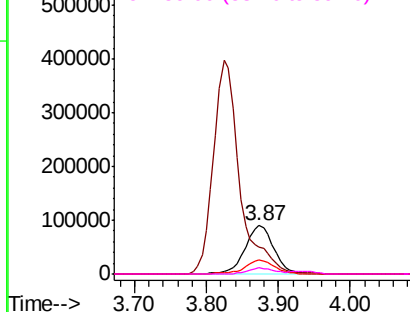
Delta R.T. 0.00 min

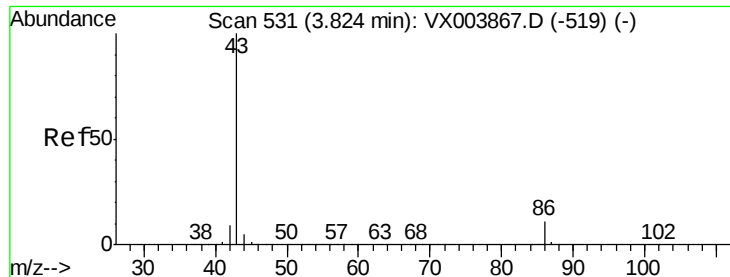
Lab File: VX003904.D

Acq: 08 Aug 2018 03:11

Tgt Ion:	45	Resp:	248767
Ion	Ratio	Lower	Upper
45	100		
43	55.3	45.3	67.9
87	28.5	22.7	34.1
59	12.1	9.6	14.4

Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 97.21 ug/l

RT: 3.82 min Scan# 531

Delta R.T. 0.00 min

Lab File: VX003904.D

Acq: 08 Aug 2018 03:11

Instrument :

MSVOA_X

ClientSampleId :

VX0807WBS03

Tot Ion: 43 Resp: 1013108

Ion Ratio Lower Upper

43 100

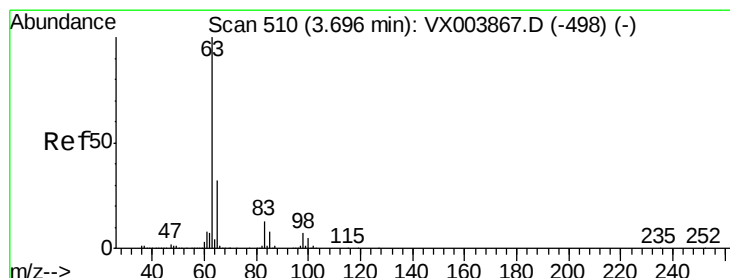
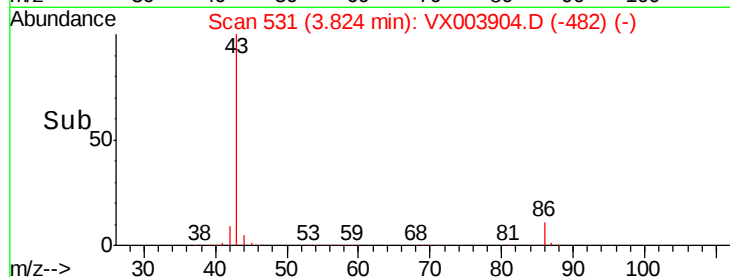
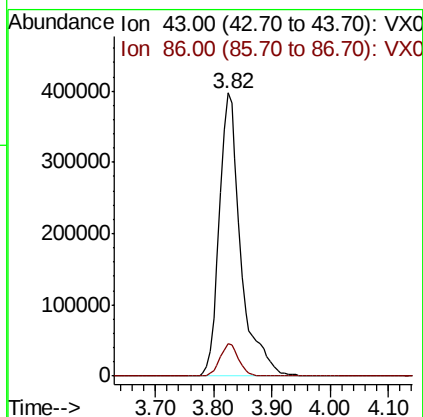
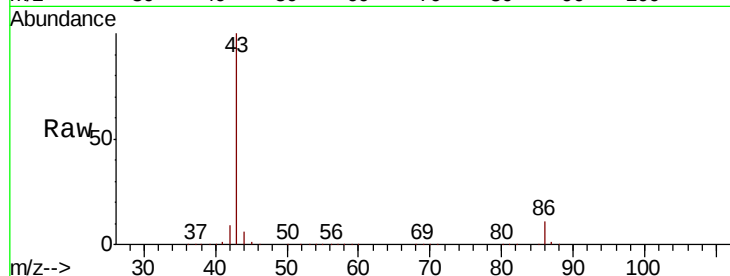
86 11.3 8.9 13.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.91 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003904.D

Acq: 08 Aug 2018 03:11

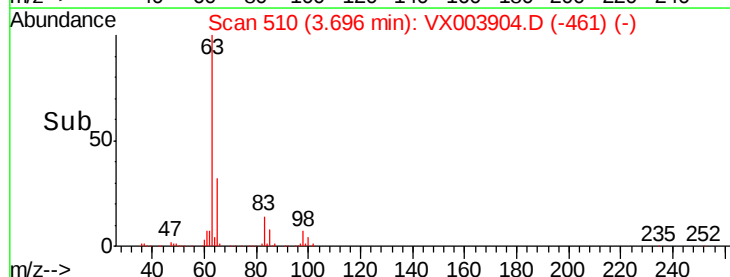
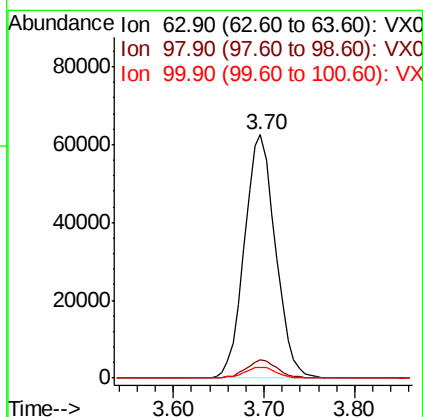
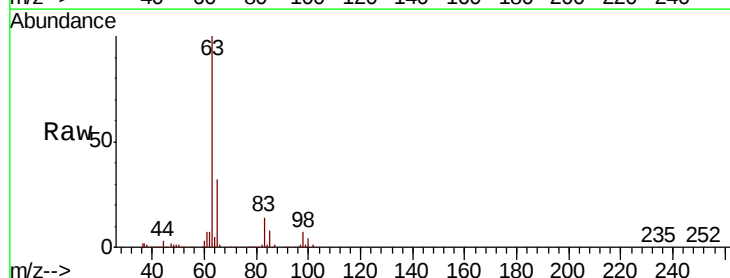
Tgt Ion: 63 Resp: 148162

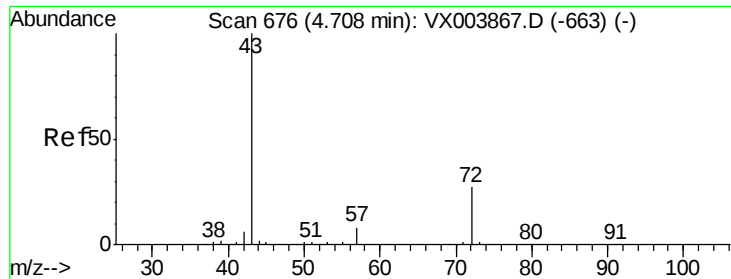
Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.5

100 4.5 2.3 6.8





#25

2-Butanone

Concen: 98.55 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.00 min

Lab File: VX003904.D

Acq: 08 Aug 2018 03:11

Instrument :

MSVOA_X

ClientSampleId :

VX0807WBS03

Tot Ion: 43 Resp: 384854

Ion Ratio Lower Upper

43 100

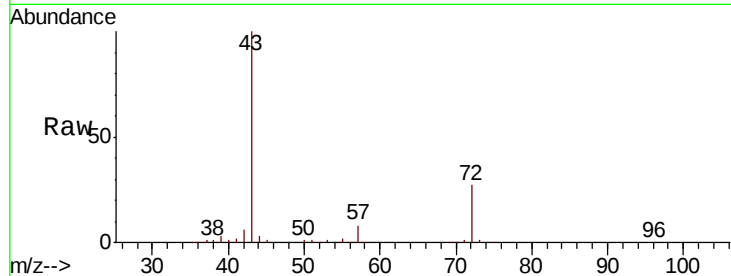
72 26.6 21.4 32.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

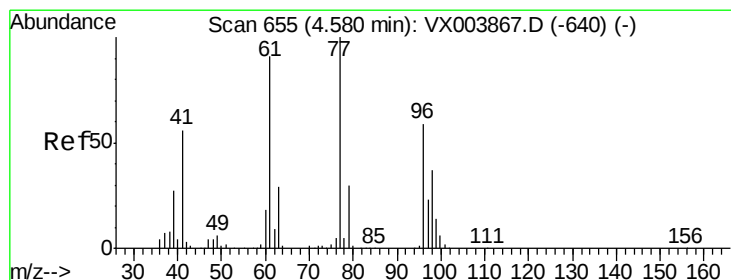
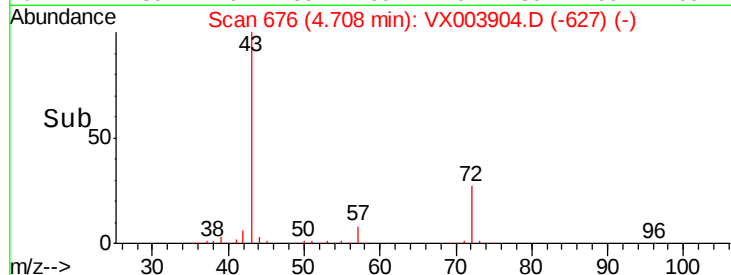
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 11.67 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.01 min

Lab File: VX003904.D

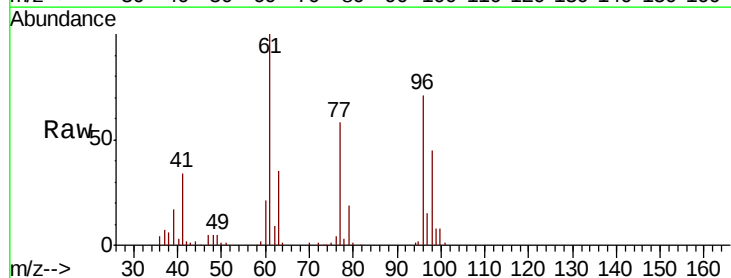
Acq: 08 Aug 2018 03:11

Tgt Ion: 77 Resp: 62593

Ion Ratio Lower Upper

77 100

97 25.3 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

20000

15000

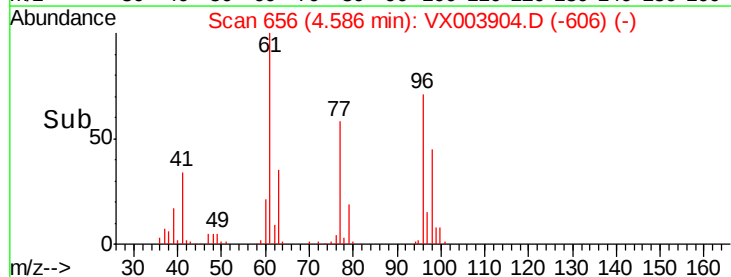
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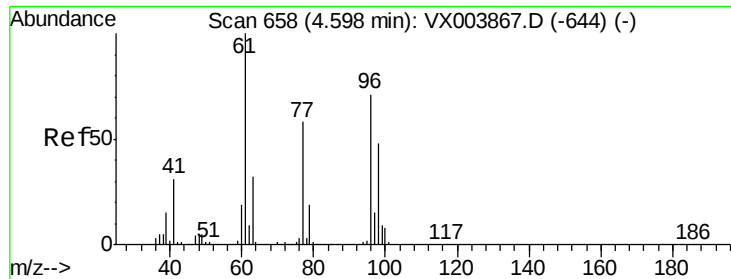
5000

0

4.40 4.50 4.60 4.70

Time-->





#27

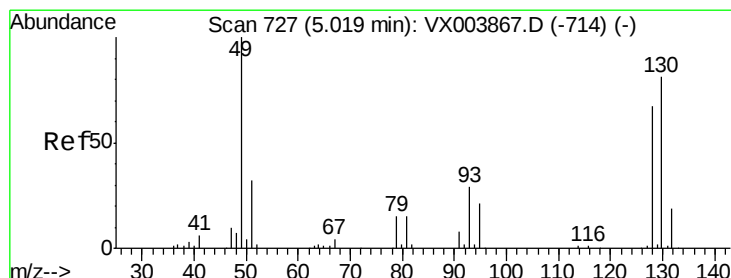
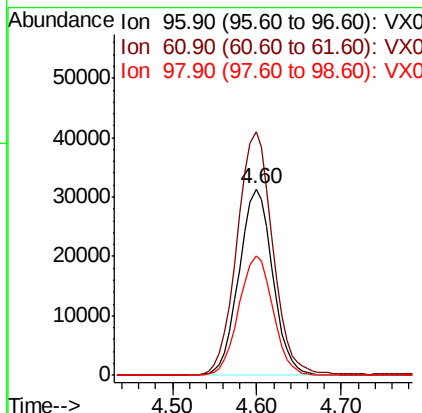
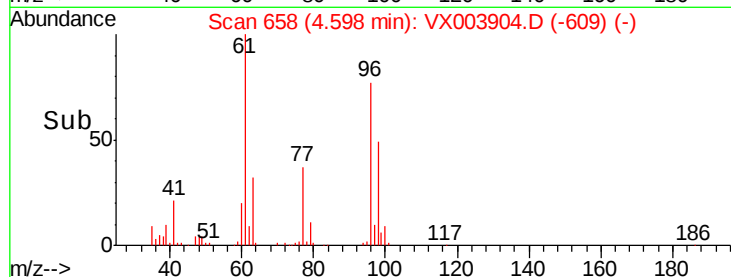
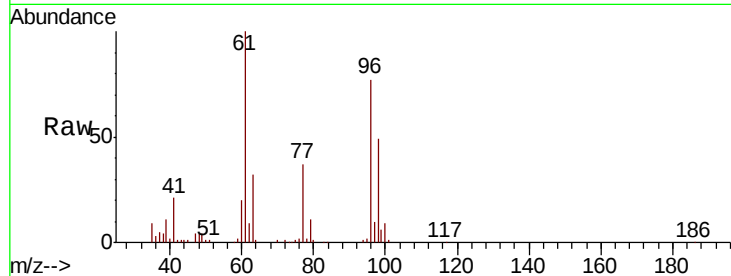
cis-1,2-Dichloroethene
 Concen: 19.48 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. 0.00 min
 Lab File: VX003904.D
 Acq: 08 Aug 2018 03:11

Instrument :
 MSVOA_X
 ClientSampled :
 VX0807WBS03

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.5	0.0	293.0
98	64.8	0.0	131.8

Manual Integrations
 APPROVED

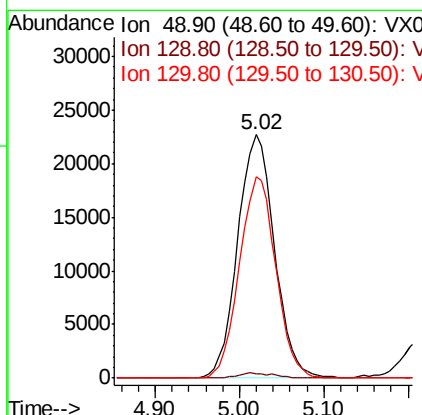
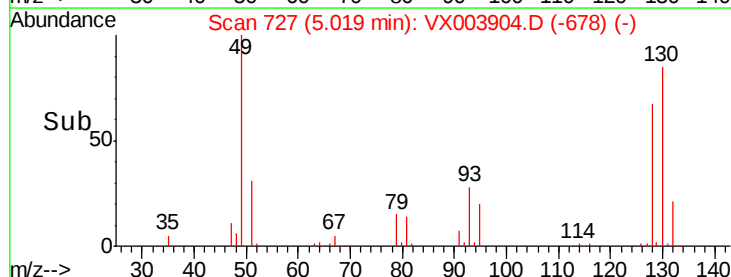
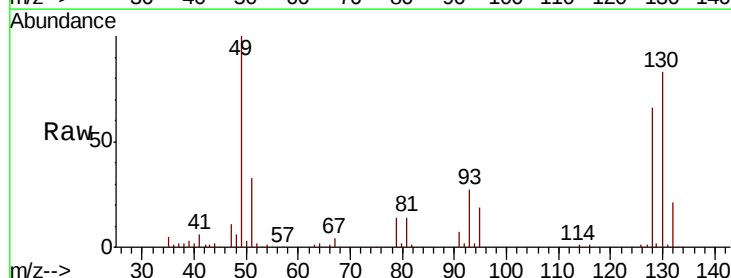
sam
 8/21/2018 4:31:47 PM

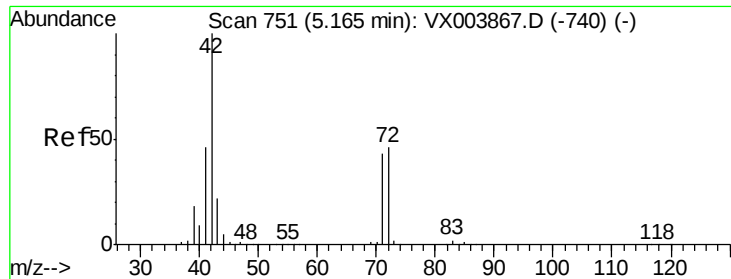


#28

Bromochloromethane
 Concen: 21.10 ug/l
 RT: 5.02 min Scan# 727
 Delta R.T. 0.00 min
 Lab File: VX003904.D
 Acq: 08 Aug 2018 03:11

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	81.8	66.5	99.7





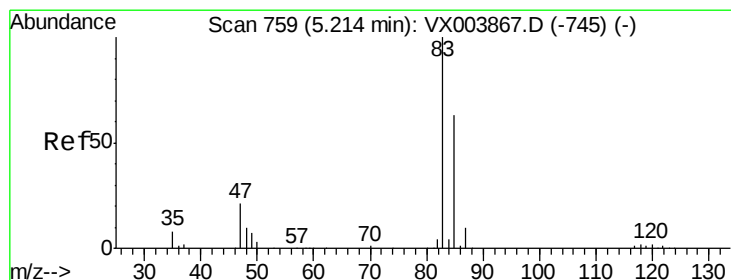
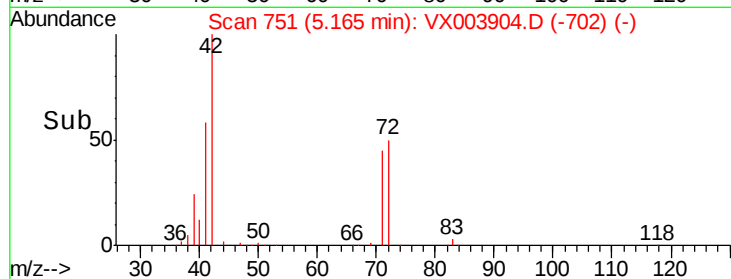
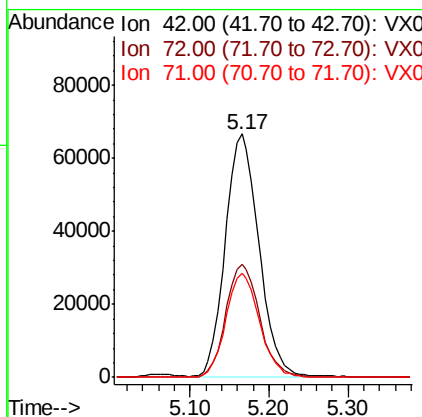
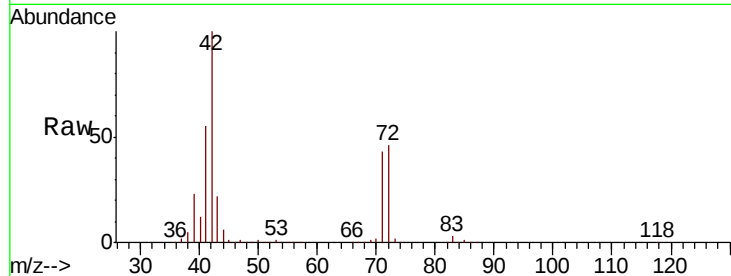
#29
Tetrahydrofuran
Concen: 98.39 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: VX003904.D
Acq: 08 Aug 2018 03:11

Instrument :
MSVOA_X
ClientSampled :
VX0807WBS03

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.9	37.7	56.5
71	42.9	35.0	52.6

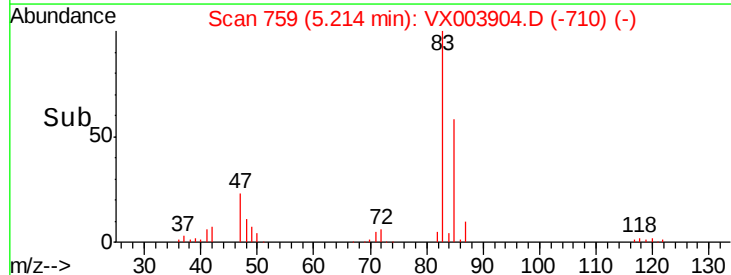
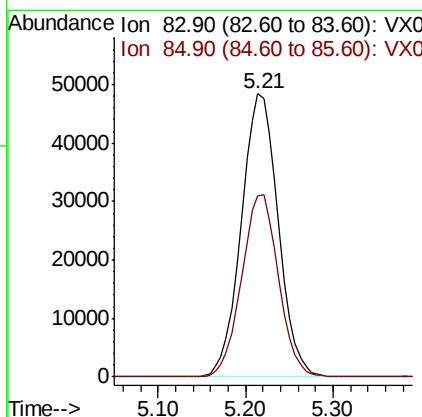
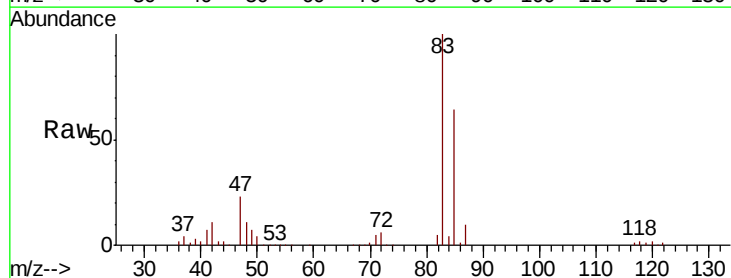
Manual Integrations
APPROVED

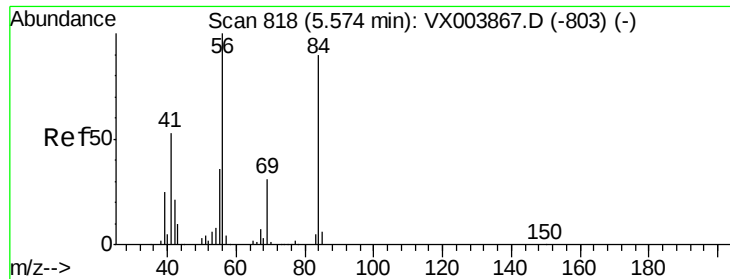
sam
8/21/2018 4:31:47 PM



#30
Chloroform
Concen: 20.27 ug/l
RT: 5.21 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX003904.D
Acq: 08 Aug 2018 03:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	50.7	76.1





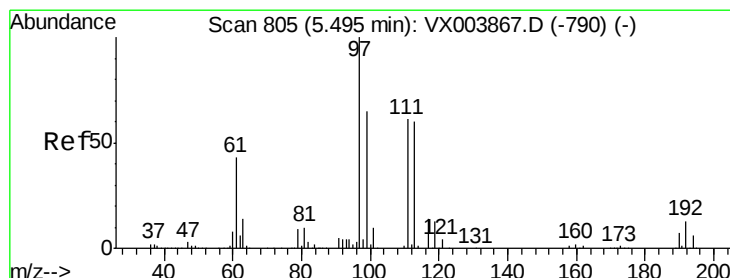
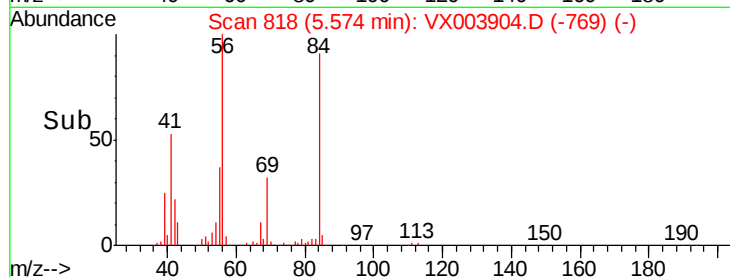
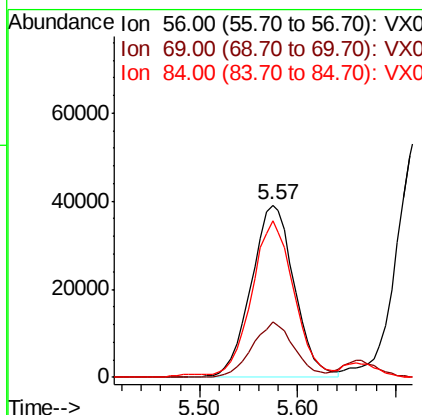
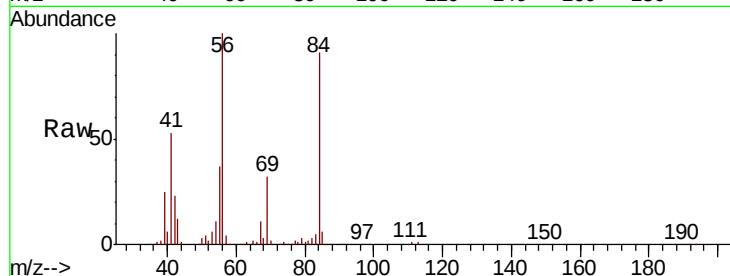
#31
Cyclohexane
Concen: 19.14 ug/l
RT: 5.57 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX003904.D
Acq: 08 Aug 2018 03:11

Instrument :
MSVOA_X
ClientSampleId :
VX0807WBS03

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.1	24.9	37.3
84	89.1	71.7	107.5

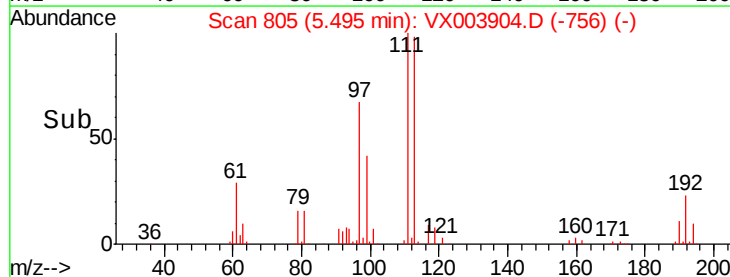
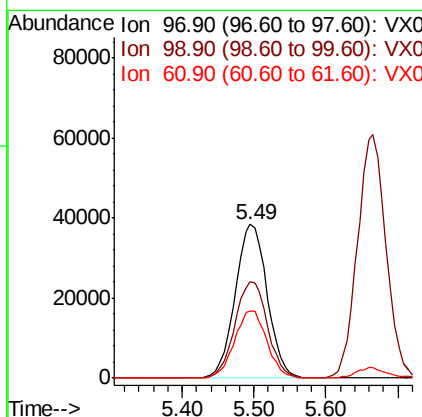
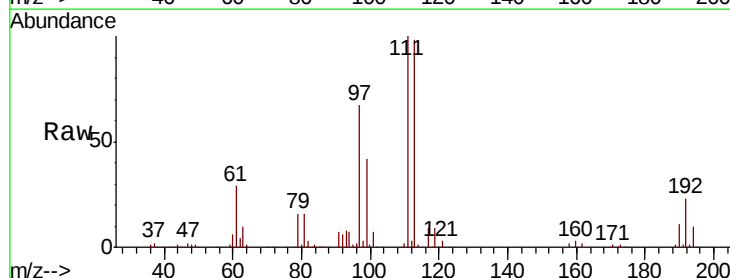
Manual Integrations
APPROVED

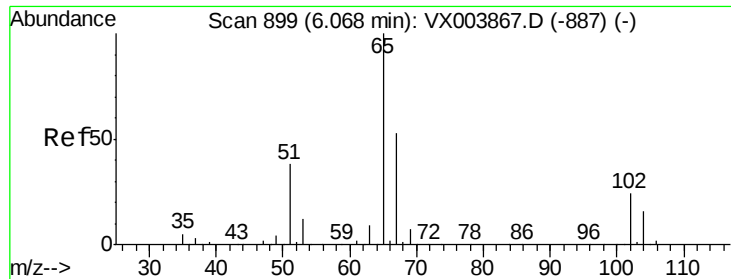
sam
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#32
1,1,1-Trichloroethane
Concen: 20.17 ug/l
RT: 5.49 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX003904.D
Acq: 08 Aug 2018 03:11

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.8	77.8
61	44.5	34.4	51.6





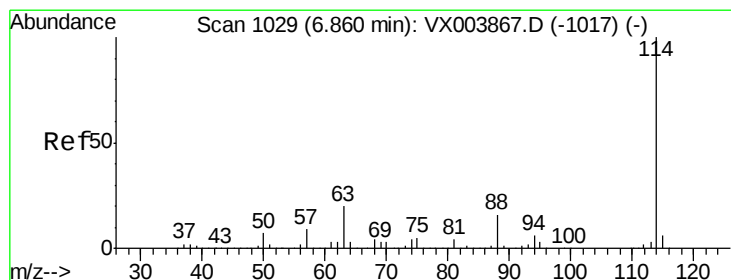
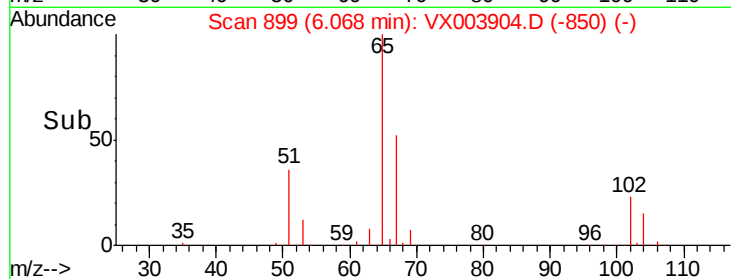
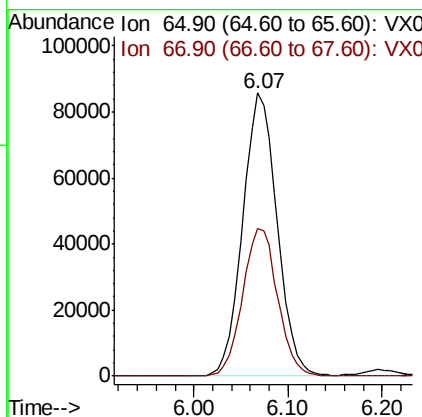
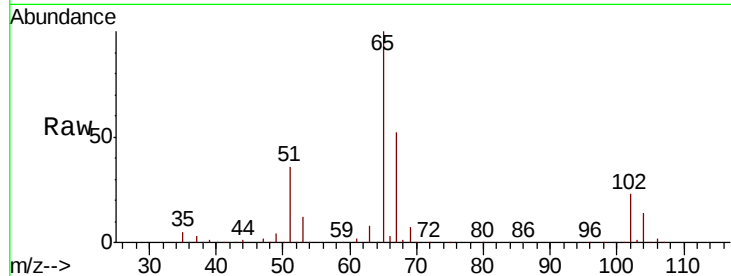
#33
 1,2-Dichloroethane-d4
 Concen: 50.34 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX003904.D
 Acq: 08 Aug 2018 03:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0807WBS03

Tot Ion	Ratio	Resp	Lower	Upper
65	100	219784		
67	53.2	0.0	105.8	

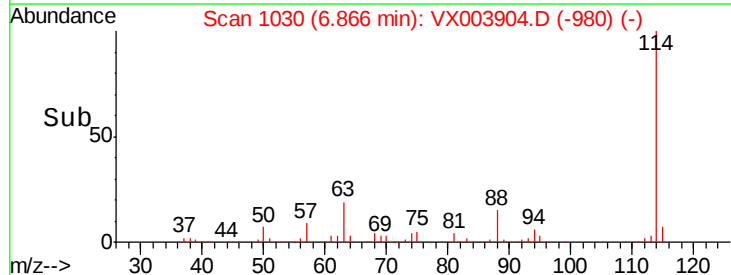
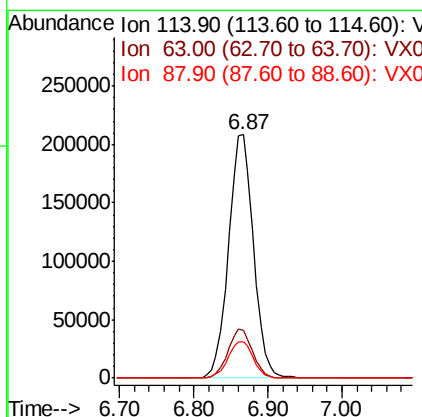
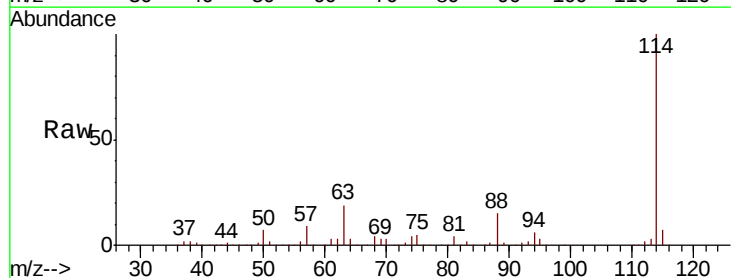
Manual Integrations
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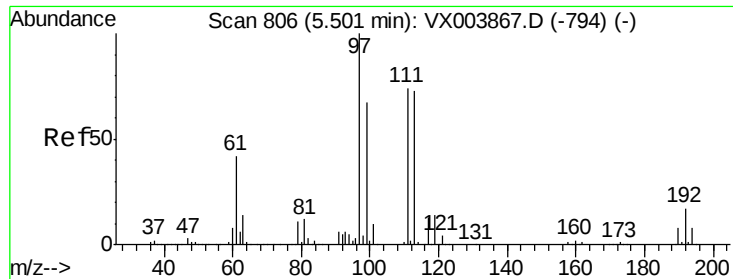
sam
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.01 min
 Lab File: VX003904.D
 Acq: 08 Aug 2018 03:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	488326		
63	19.4	0.0	39.0	
88	15.1	0.0	32.0	





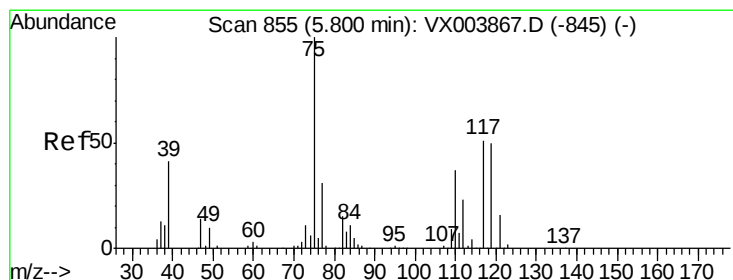
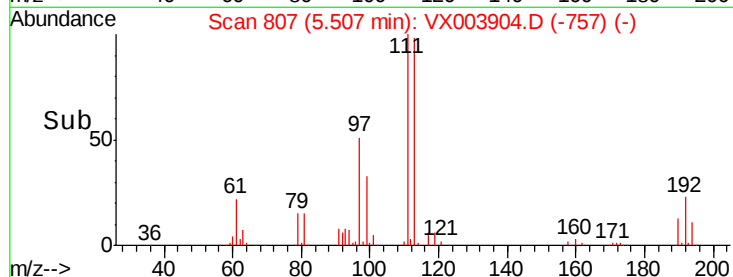
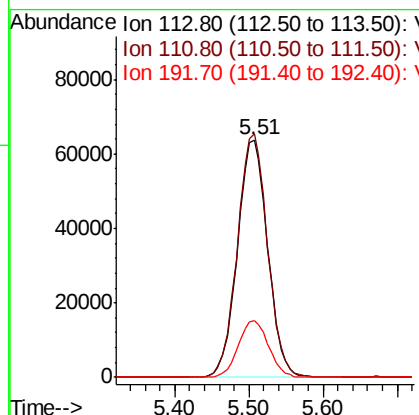
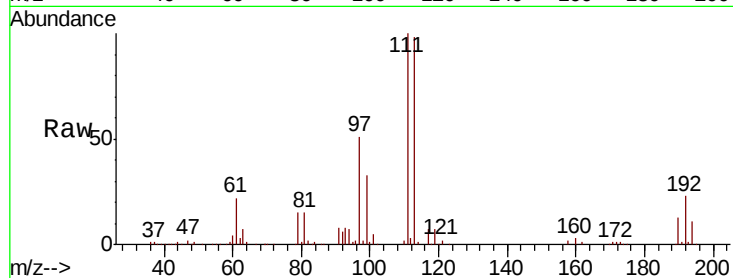
#35
 Dibromofluoromethane
 Concen: 49.12 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX003904.D
 Acq: 08 Aug 2018 03:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0807WBS03

Tot Ion	Ratio	Resp	Lower	Upper
113	100	181712		
111	102.2	82.0	123.0	
192	24.0	19.0	28.4	

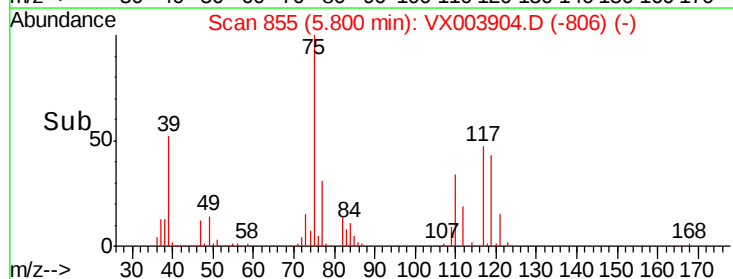
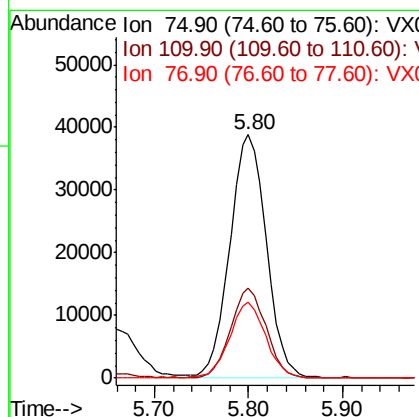
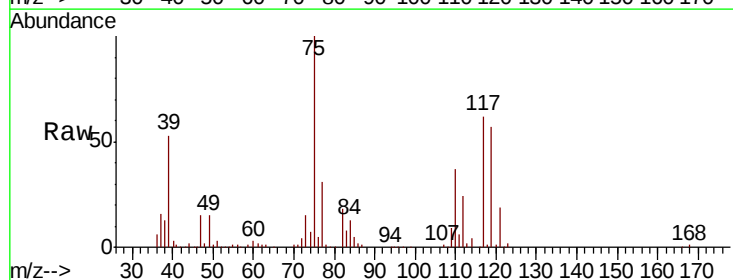
Manual Integrations
 APPROVED

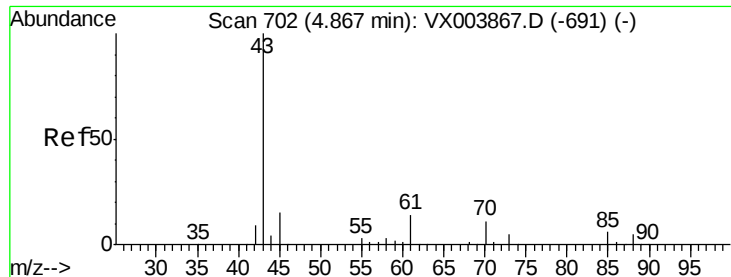
sam
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#36
 1,1-Dichloropropene
 Concen: 19.05 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VX003904.D
 Acq: 08 Aug 2018 03:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	104207		
110	36.3	18.2	54.6	
77	31.1	25.0	37.4	





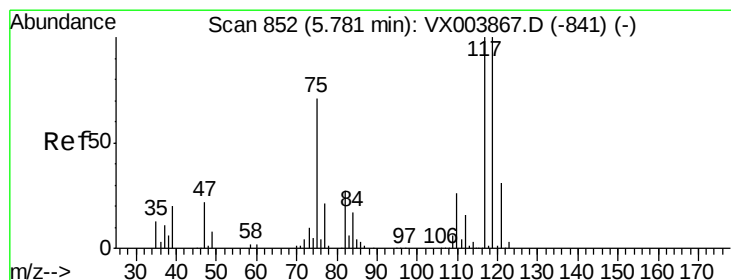
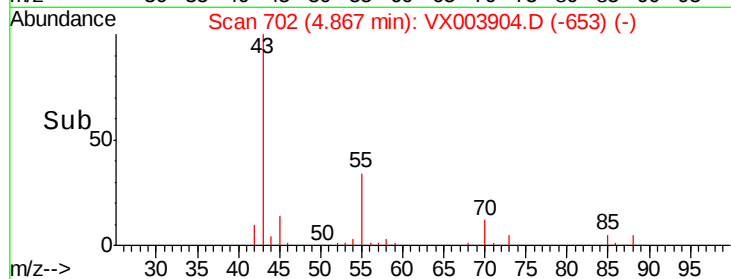
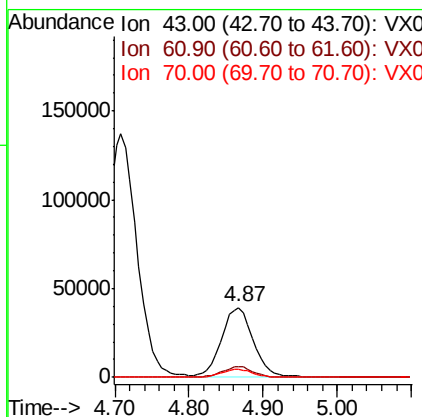
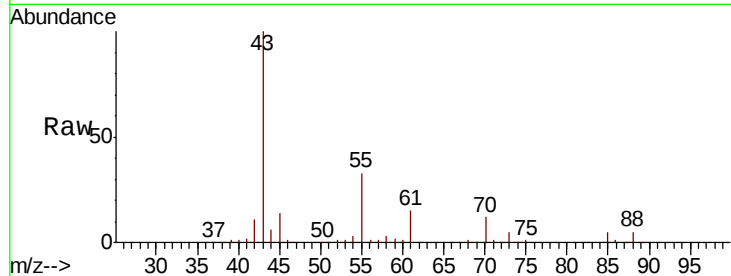
#37
Ethyl Acetate
Concen: 19.42 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.00 min
Lab File: VX003904.D
Acq: 08 Aug 2018 03:11

Instrument :
MSVOA_X
ClientSampleId :
VX0807WBS03

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.5	17.3
70	11.5	9.0	13.4

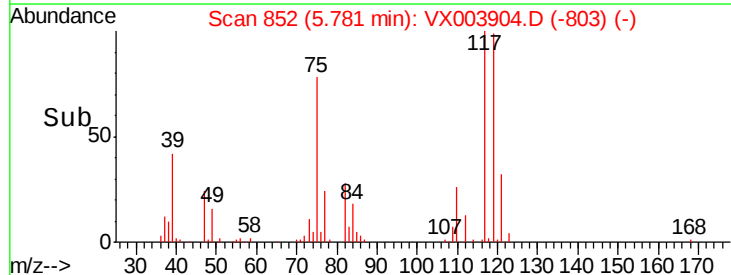
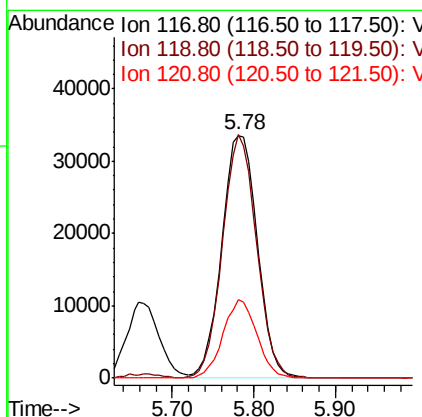
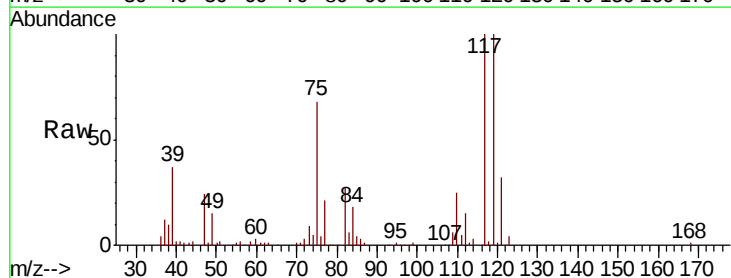
Manual Integrations
APPROVED

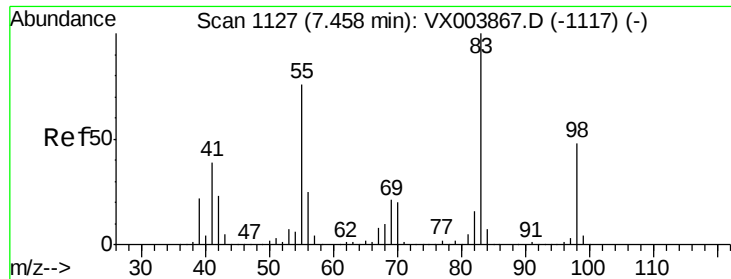
sam
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#38
Carbon Tetrachloride
Concen: 19.47 ug/l
RT: 5.78 min Scan# 852
Delta R.T. 0.00 min
Lab File: VX003904.D
Acq: 08 Aug 2018 03:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.3	79.5	119.3
121	32.1	25.0	37.4





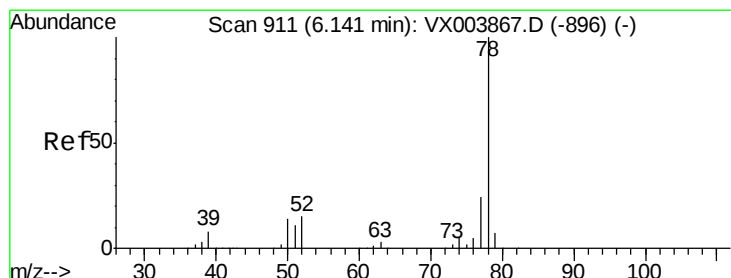
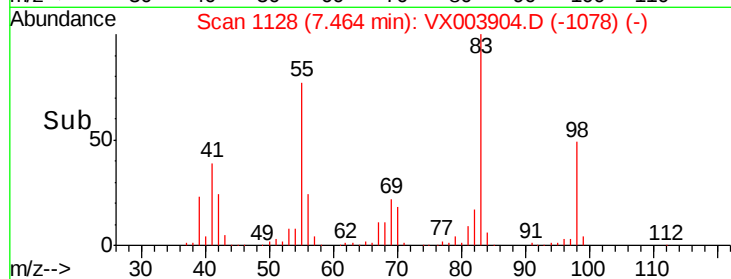
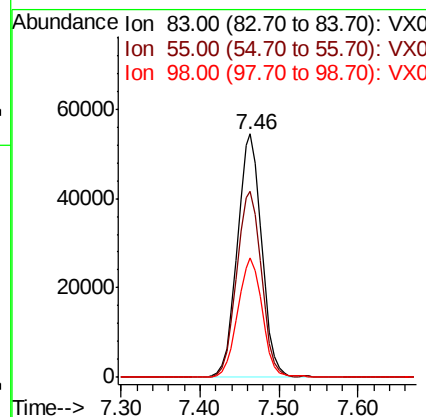
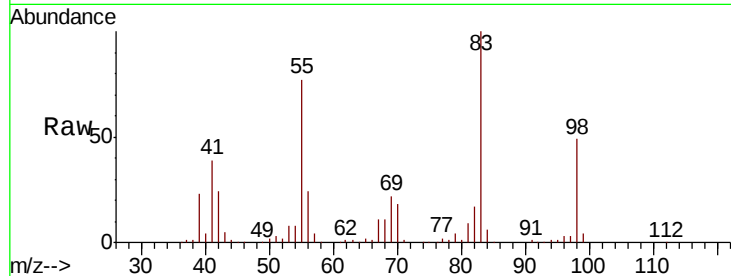
#39
Methvlcvclohexane
Concen: 18.11 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VX003904.D
Acq: 08 Aug 2018 03:11

Instrument :
MSVOA_X
ClientSampleId :
VX0807WBS03

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	76.6	61.0	91.6	
98	49.0	38.6	57.8	

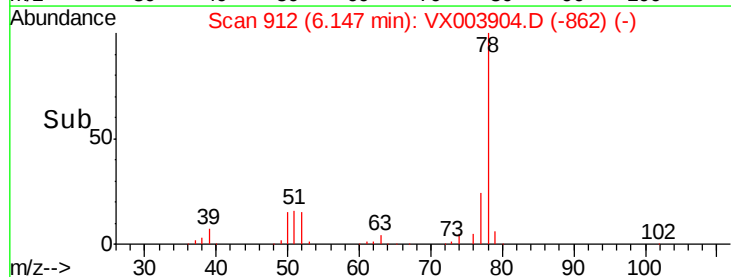
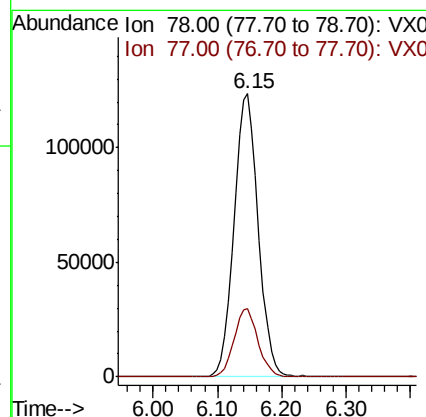
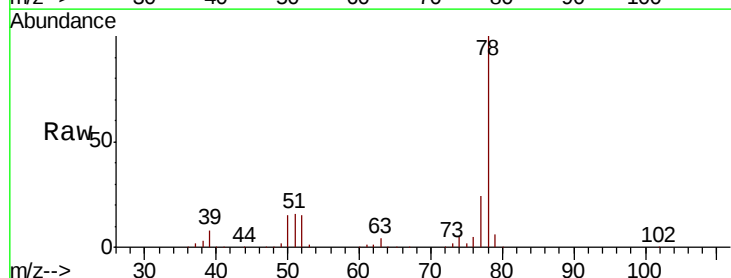
Manual Integrations
APPROVED

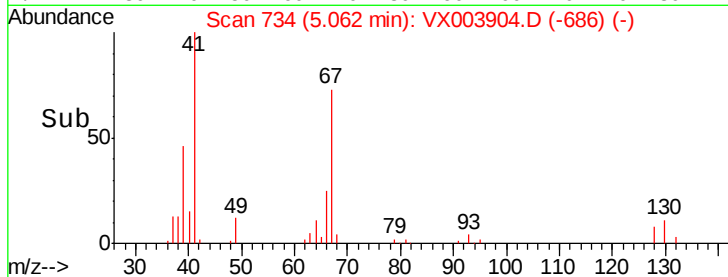
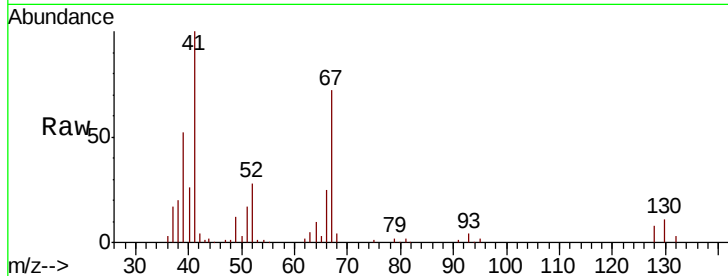
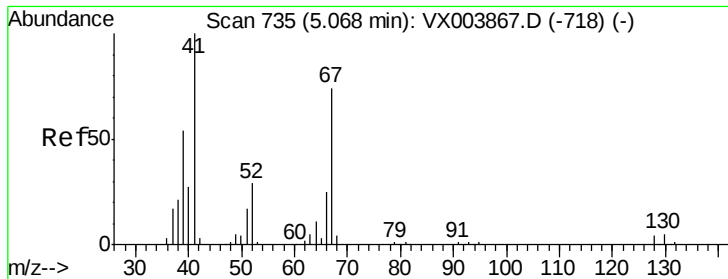
sam
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#40
Benzene
Concen: 19.77 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.01 min
Lab File: VX003904.D
Acq: 08 Aug 2018 03:11

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.2	19.0	28.4	





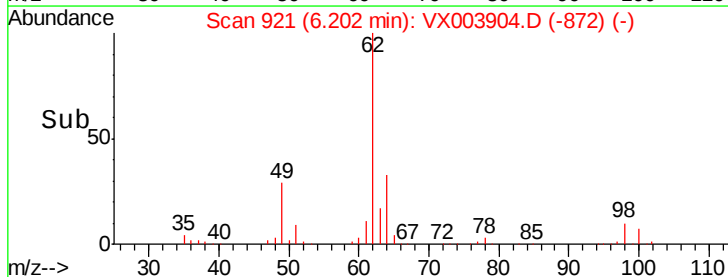
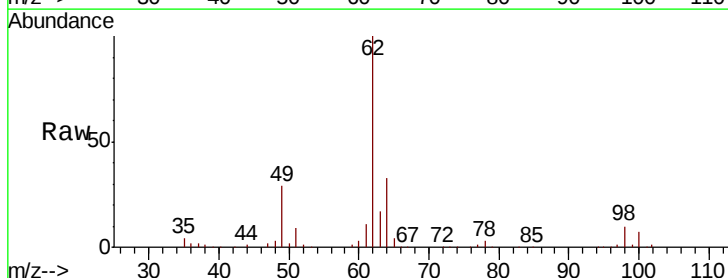
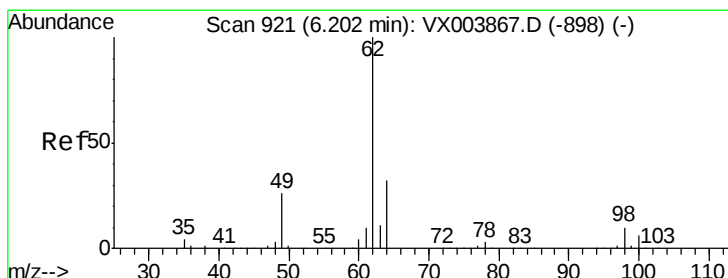
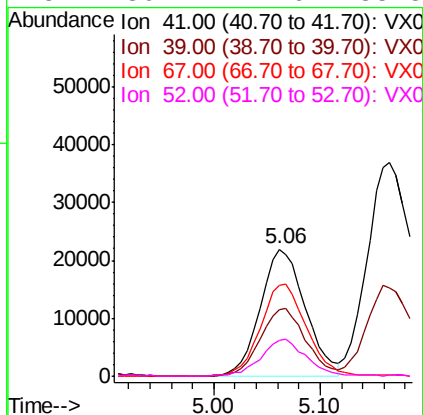
#41
Methacrylonitrile
Concen: 19.42 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX003904.D
Acq: 08 Aug 2018 03:11

Tot Ion	41	Resp	64357
Ion	Ratio	Lower	Upper
41	100		
39	53.8	42.7	64.1
67	73.9	58.9	88.3
52	30.1	22.6	33.8

Instrument :
MSVOA_X
ClientSampleId :
VX0807WBS03

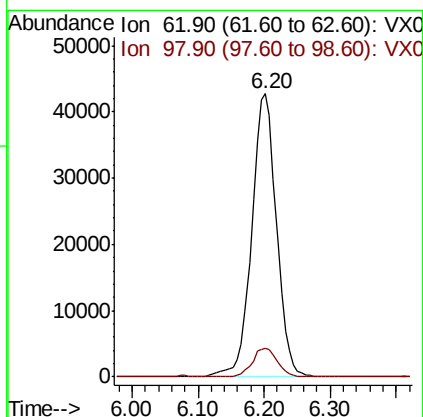
Manual Integrations
APPROVED

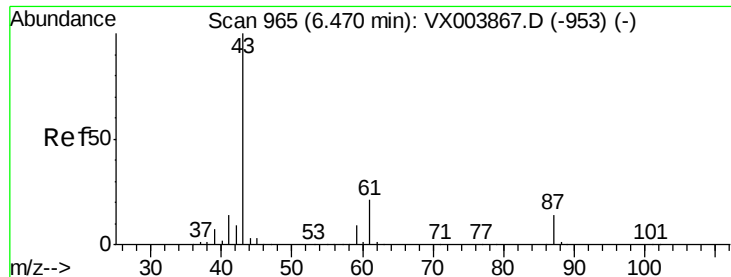
Sam
8/21/2018 4:31:47 PM



#42
1,2-Dichloroethane
Concen: 20.14 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003904.D
Acq: 08 Aug 2018 03:11

Tgt Ion	62	Resp	111824
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.4





#43

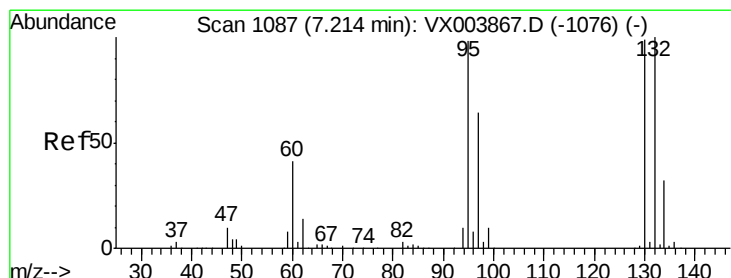
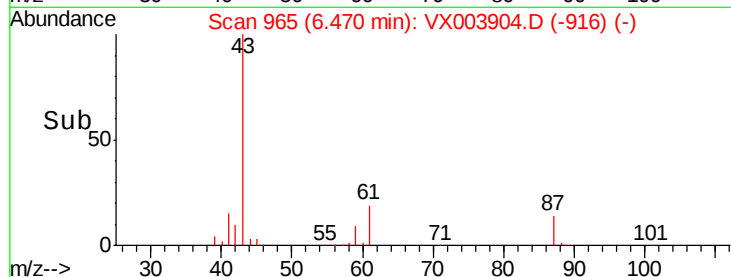
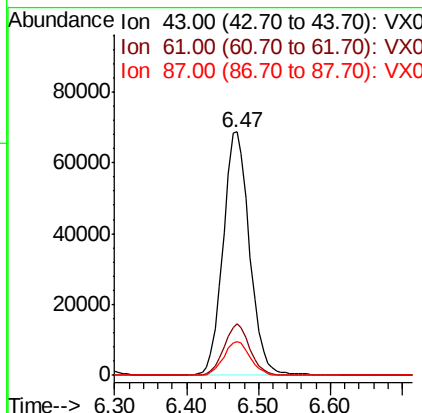
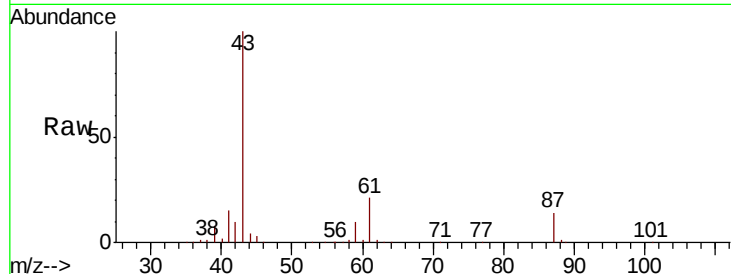
Isopropyl Acetate
 Concen: 19.35 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: VX003904.D
 Acq: 08 Aug 2018 03:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0807WBS03

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.6	16.9	25.3
87	13.9	11.3	16.9

Manual Integrations
 APPROVED

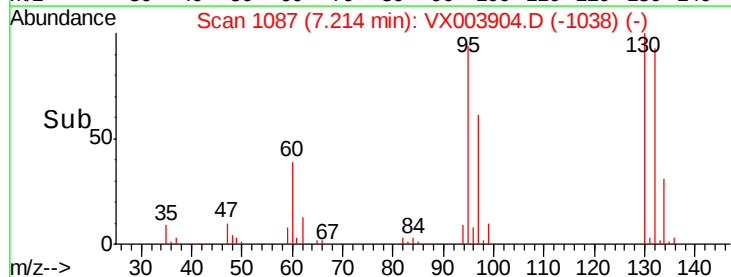
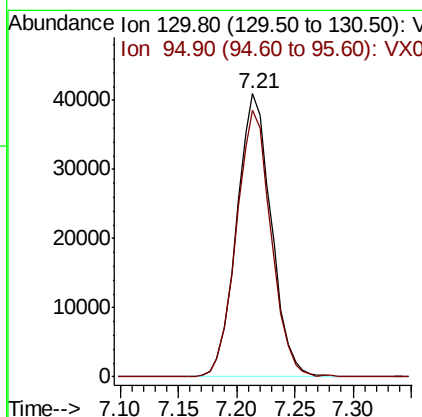
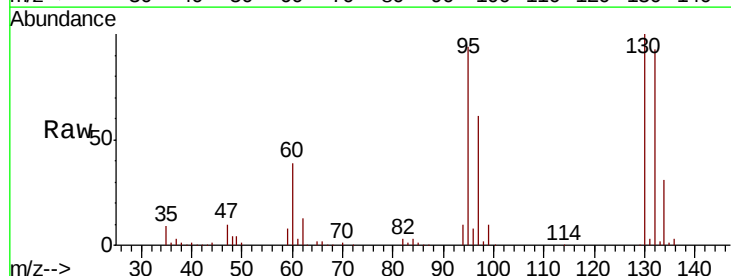
Sam
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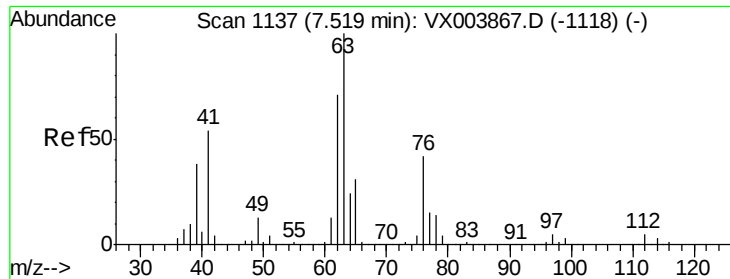


#44

Trichloroethene
 Concen: 18.86 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX003904.D
 Acq: 08 Aug 2018 03:11

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.1	0.0	199.4





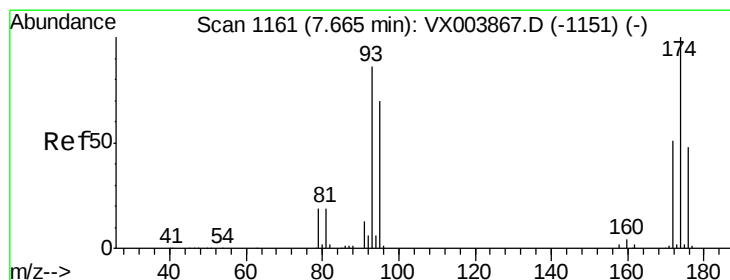
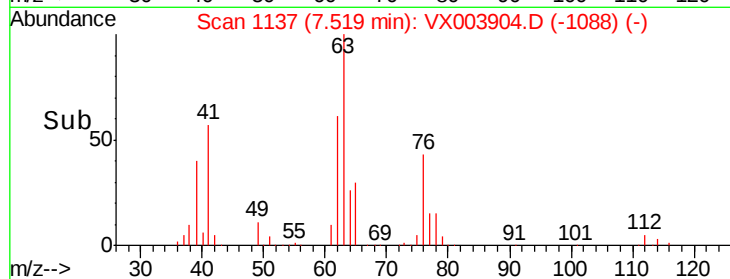
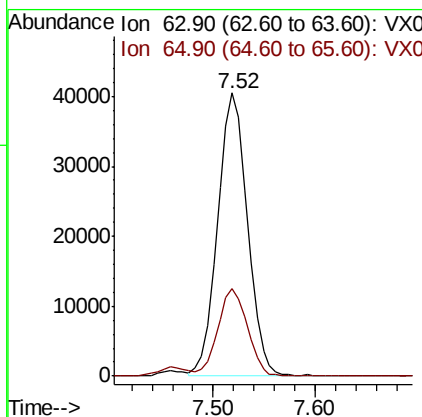
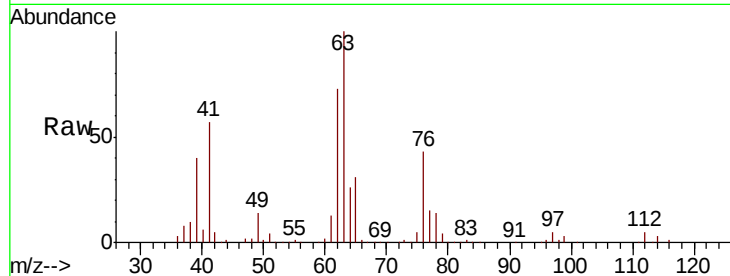
#45
 1,2-Dichloropropane
 Concen: 19.45 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003904.D
 Acq: 08 Aug 2018 03:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0807WBS03

Tot Ion: 63 Resp: 82490
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.6 36.8

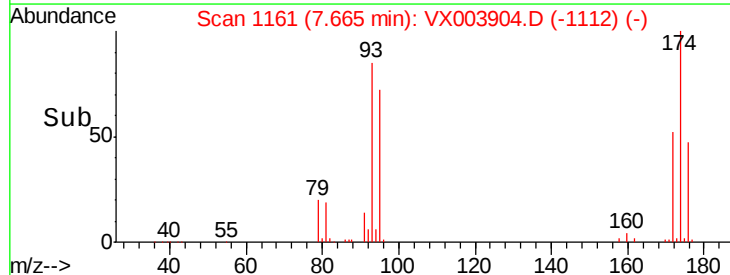
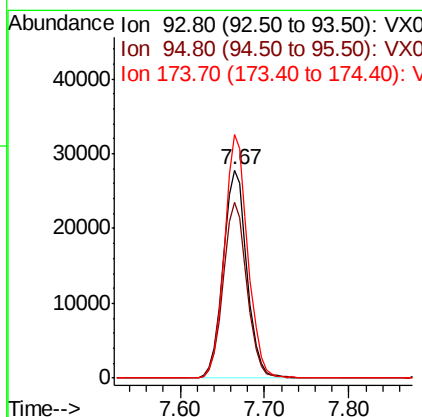
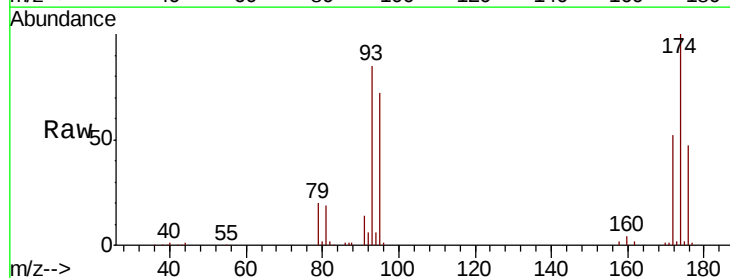
Manual Integrations
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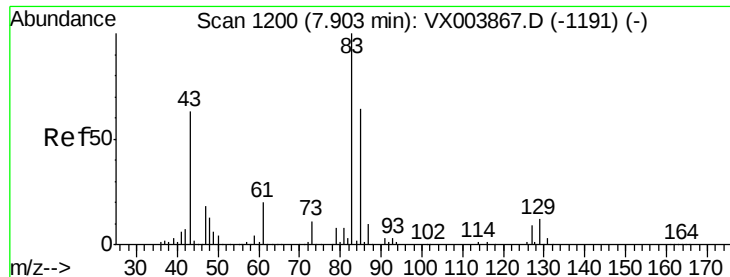
sam
 8/21/2018 4:31:47 PM



#46
 Dibromomethane
 Concen: 19.48 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003904.D
 Acq: 08 Aug 2018 03:11

Tgt Ion: 93 Resp: 53631
 Ion Ratio Lower Upper
 93 100
 95 84.1 66.4 99.6
 174 114.8 94.3 141.5





#47

Bromodichloromethane

Concen: 19.34 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003904.D

Acq: 08 Aug 2018 03:11

Instrument :

MSVOA_X

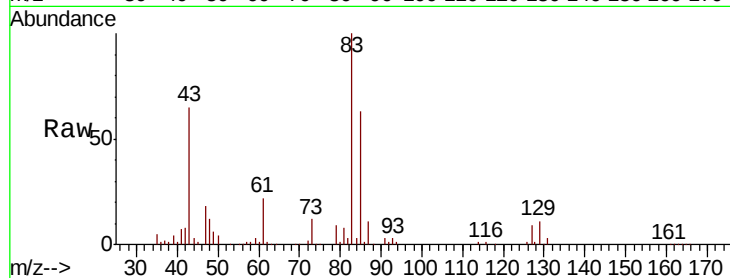
ClientSampleId :

VX0807WBS03

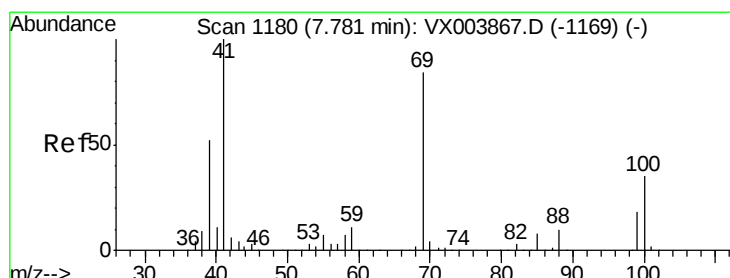
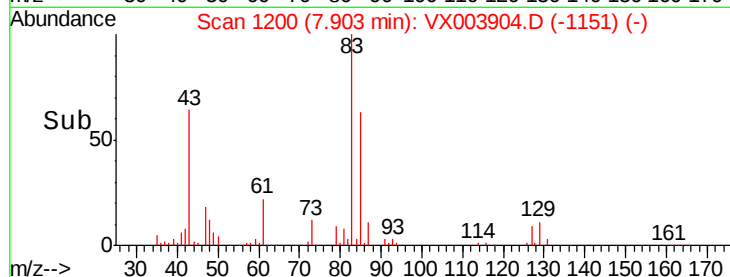
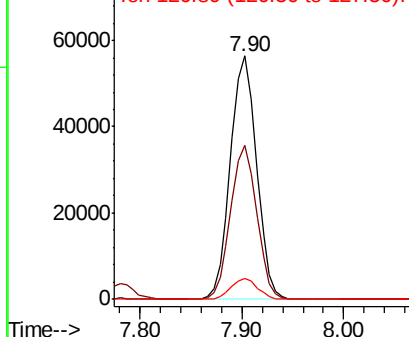
Tot Ion:	83	Resp:	100291
Ion Ratio	Lower	Upper	
83	100		
85	63.2	51.2	76.8
127	8.6	7.2	10.8

Manual Integrations
APPROVED

sam
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 19.65 ug/l

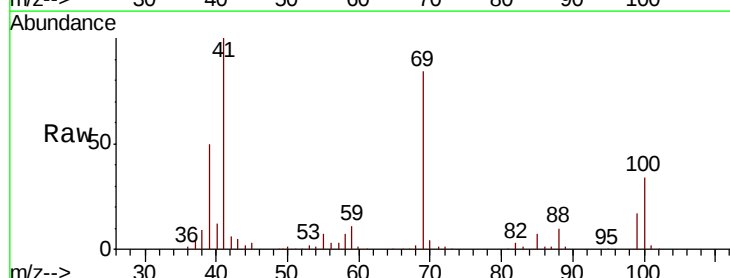
RT: 7.78 min Scan# 1180

Delta R.T. 0.00 min

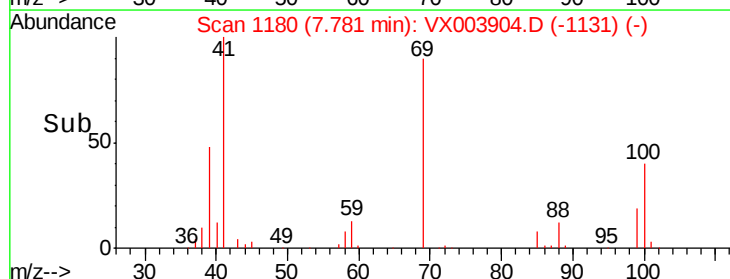
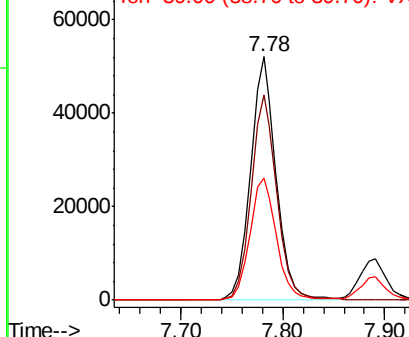
Lab File: VX003904.D

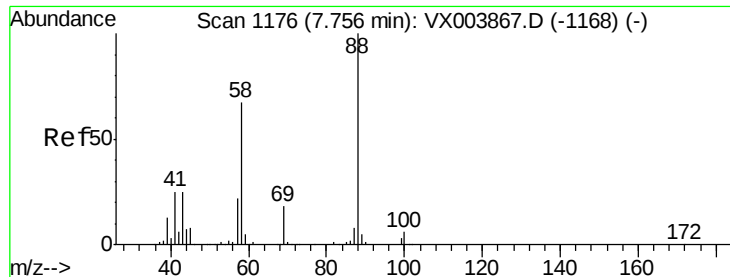
Acq: 08 Aug 2018 03:11

Tgt Ion:	41	Resp:	90429
Ion Ratio	Lower	Upper	
41	100		
69	85.7	68.8	103.2
39	52.8	42.3	63.5



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





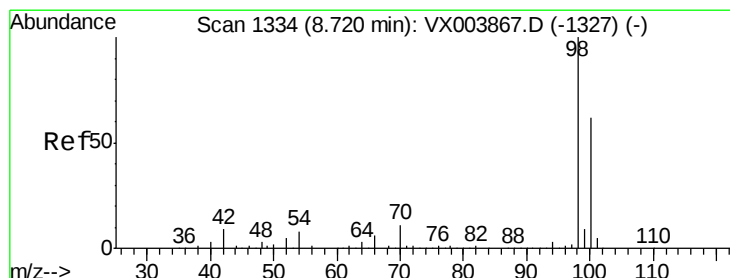
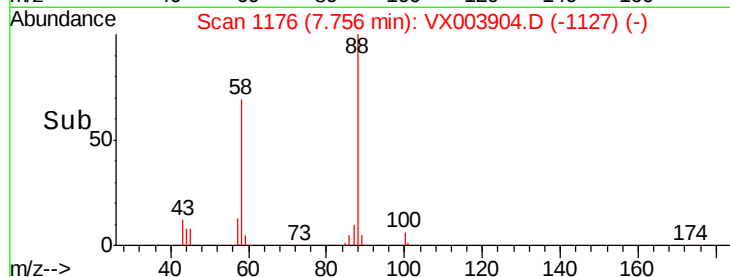
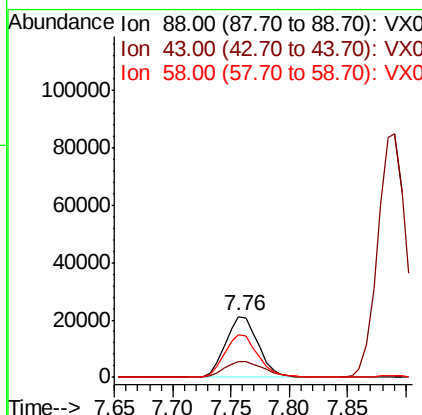
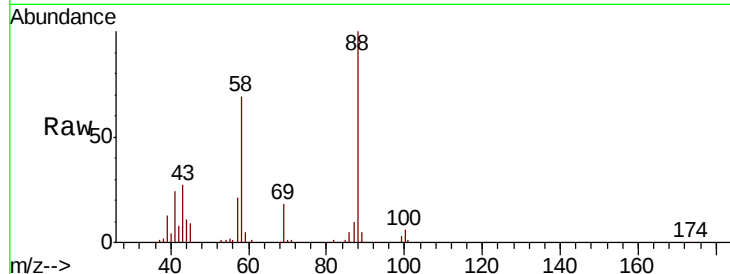
#49
1,4-Dioxane
Concen: 380.84 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VX003904.D
Acq: 08 Aug 2018 03:11

Instrument :
MSVOA_X
ClientSampled :
VX0807WBS03

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.1	23.8	35.8
58	71.8	55.4	83.0

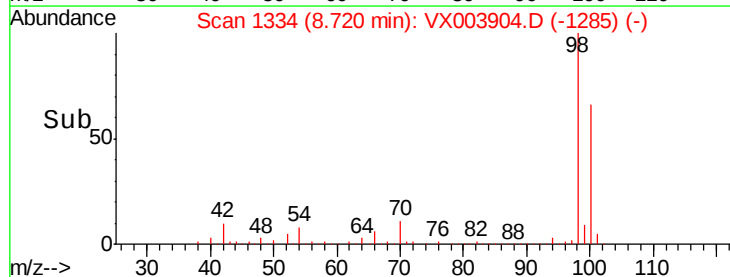
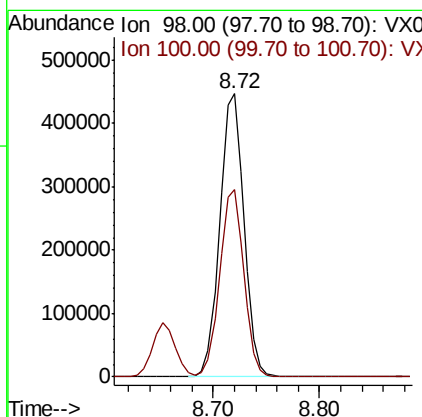
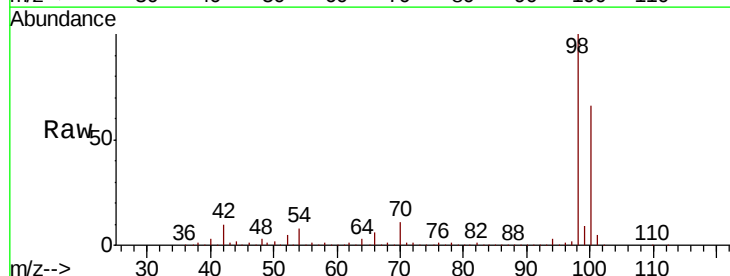
Manual Integrations
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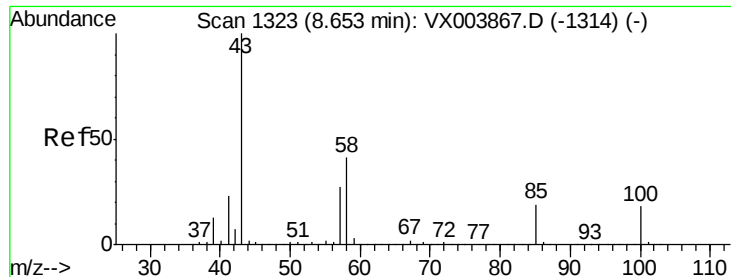
Sam
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#50
Toluene-d8
Concen: 49.11 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003904.D
Acq: 08 Aug 2018 03:11

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 101.16 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX003904.D

Acq: 08 Aug 2018 03:11

Instrument :

MSVOA_X

ClientSampled :

VX0807WBS03

Tot Ion: 43 Resp: 759160

Ion Ratio Lower Upper

43 100

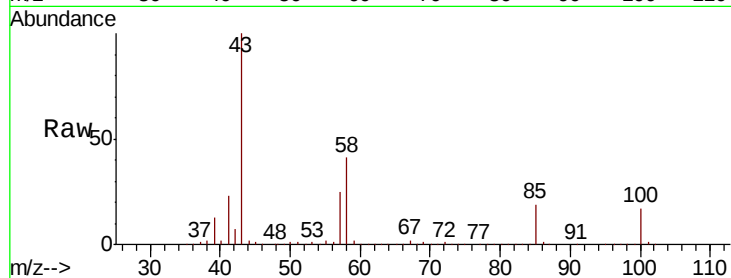
58 41.0 33.0 49.6

Manual Integrations

APPROVED

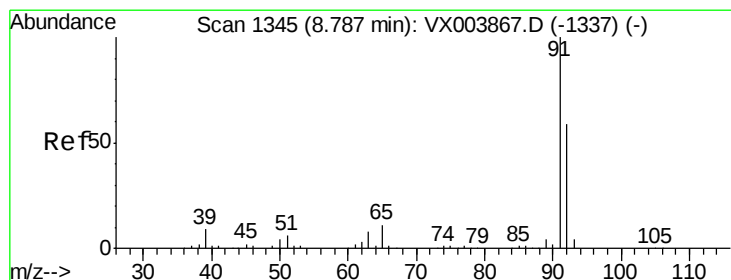
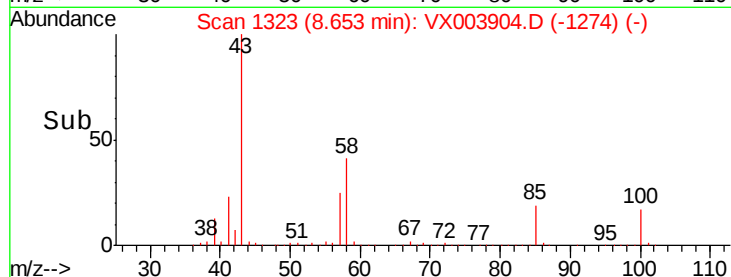
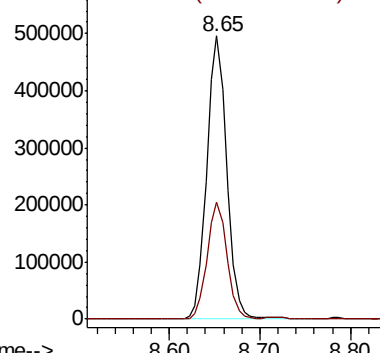
Sam

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 19.87 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003904.D

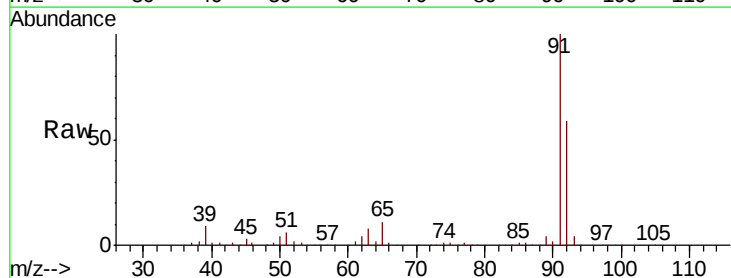
Acq: 08 Aug 2018 03:11

Tgt Ion: 92 Resp: 206216

Ion Ratio Lower Upper

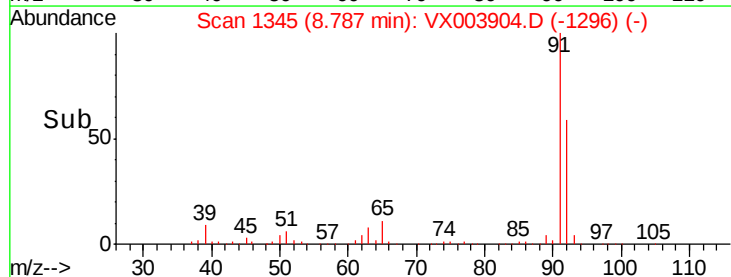
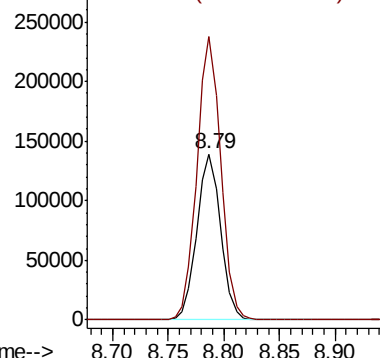
92 100

91 171.0 136.1 204.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





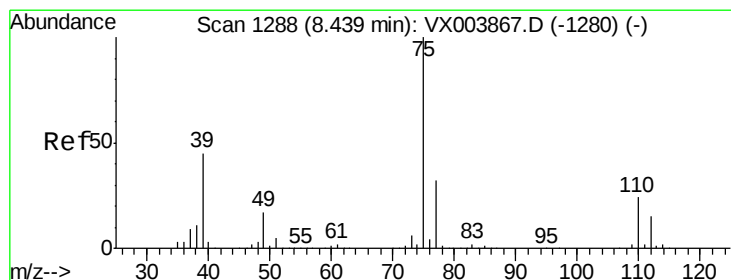
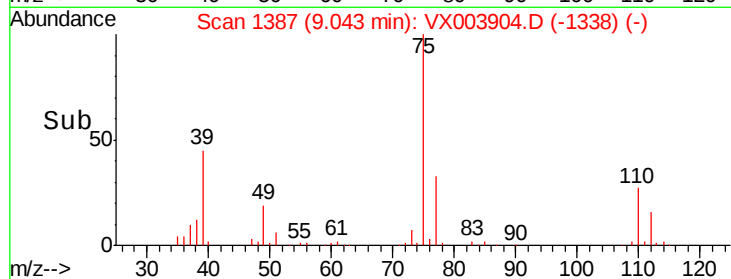
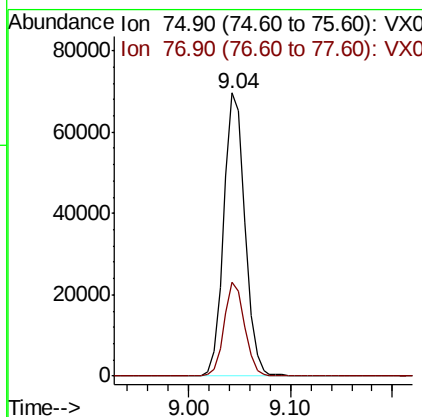
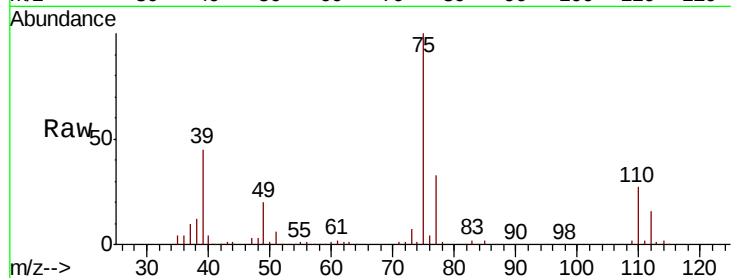
#53
 t-1,3-Dichloropropene
 Concen: 17.16 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. 0.00 min
 Lab File: VX003904.D
 Acq: 08 Aug 2018 03:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0807WBS03

Tot Ion: 75 Resp: 100618
 Ion Ratio Lower Upper
 75 100
 77 33.0 25.1 37.7

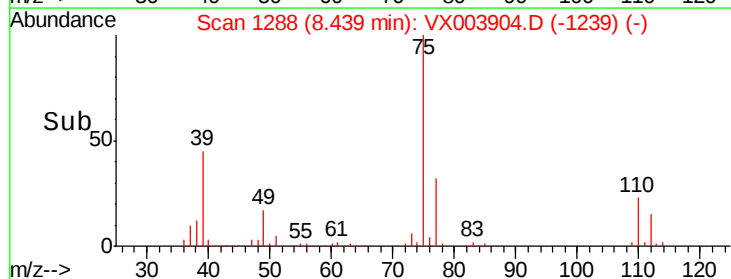
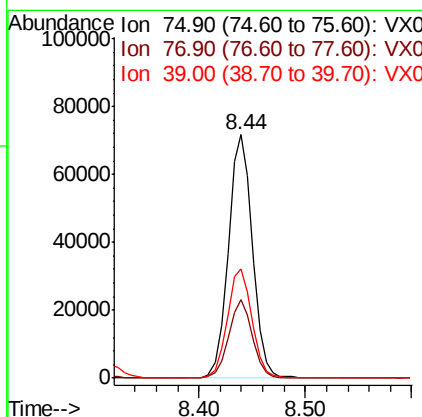
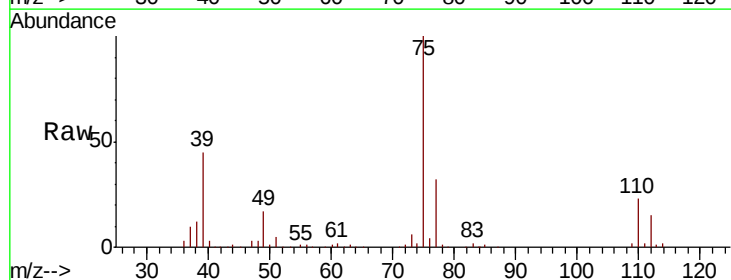
Manual Integrations
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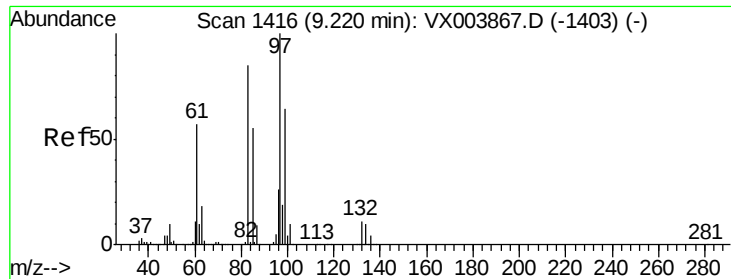
sam
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#54
 cis-1,3-Dichloropropene
 Concen: 17.92 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: VX003904.D
 Acq: 08 Aug 2018 03:11

Tgt Ion: 75 Resp: 113310
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.3 37.9
 39 44.7 36.2 54.2





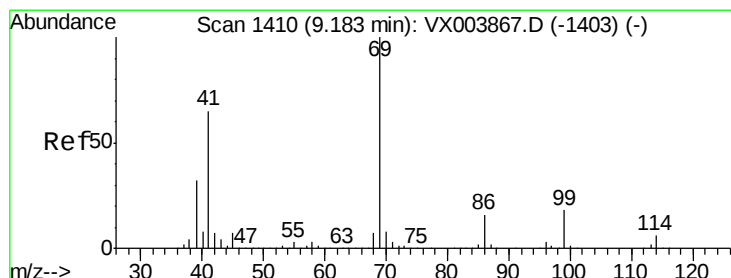
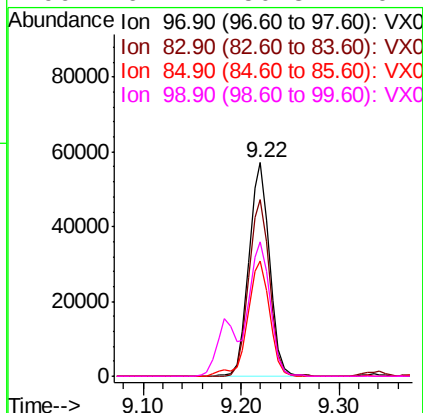
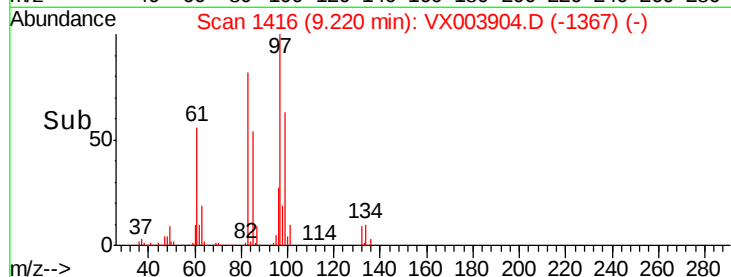
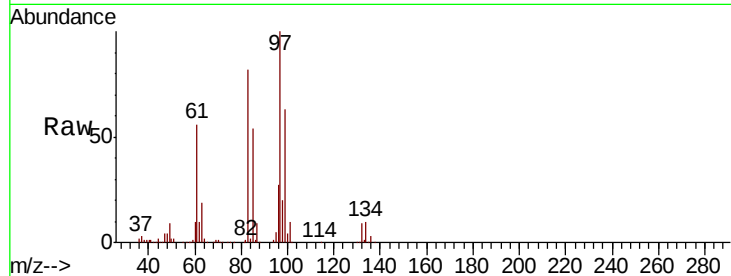
#55
 1,1,2-Trichloroethane
 Concen: 19.63 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003904.D
 Acq: 08 Aug 2018 03:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0807WBS03

Tot Ion:	97	Resp:	83251
Ion	Ratio	Lower	Upper
97	100		
83	82.5	67.8	101.6
85	54.1	44.2	66.2
99	62.7	50.8	76.2

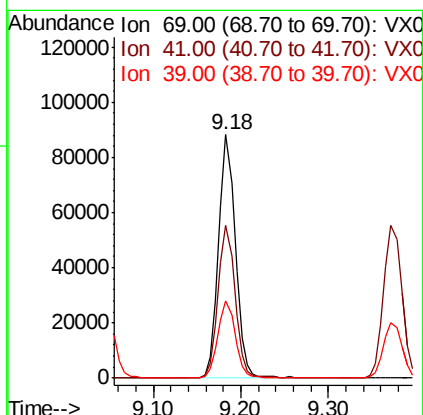
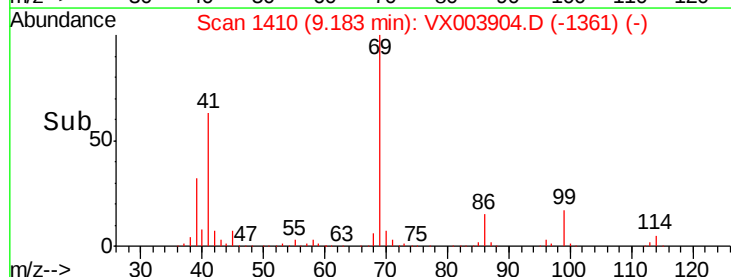
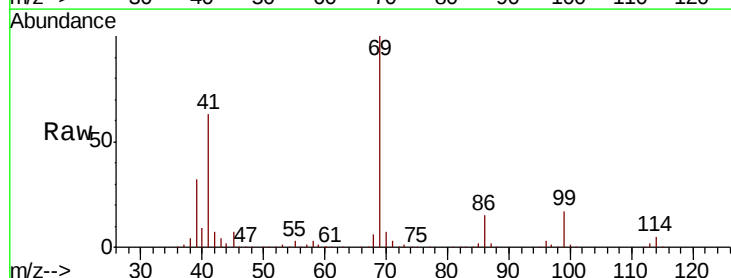
Manual Integrations
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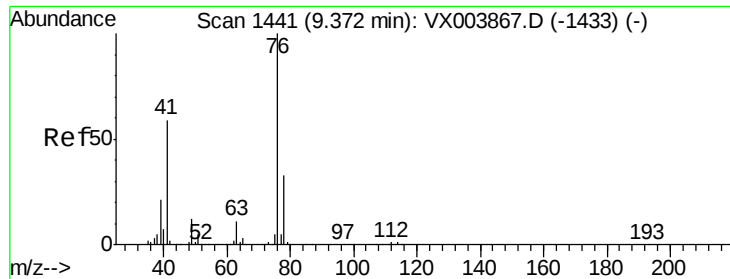
sam
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#56
 Ethyl methacrylate
 Concen: 19.19 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003904.D
 Acq: 08 Aug 2018 03:11

Tgt Ion:	69	Resp:	118048
Ion	Ratio	Lower	Upper
69	100		
41	63.1	50.6	76.0
39	32.6	25.8	38.6





#57

1,3-Dichloropropane

Concen: 20.06 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VX003904.D

Acq: 08 Aug 2018 03:11

Instrument :

MSVOA_X

ClientSampled :

VX0807WBS03

Tot Ion: 76 Resp: 142368

Ion Ratio Lower Upper

76 100

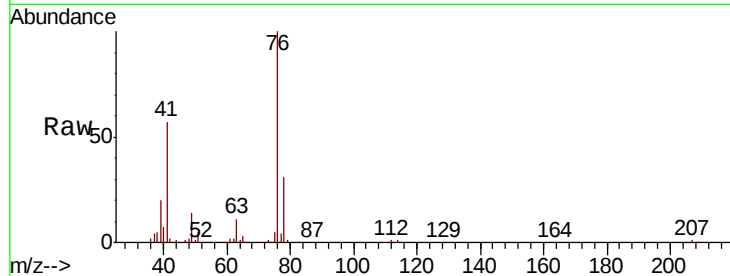
78 31.8 25.9 38.9

Manual Integrations

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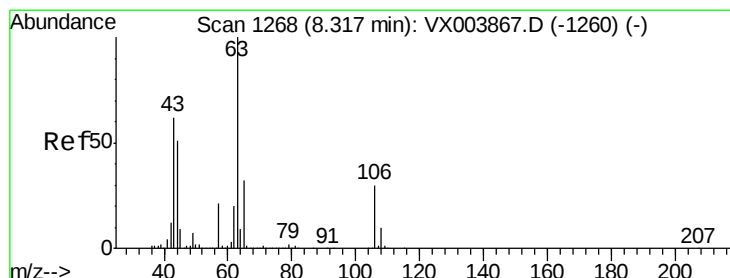
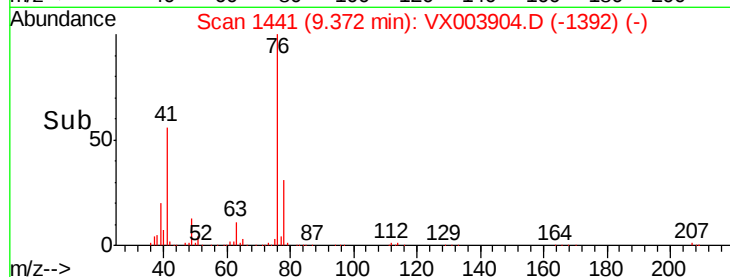
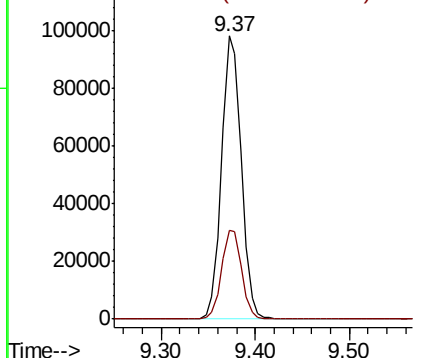
sam

8/21/2018 4:31:47 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 102.38 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VX003904.D

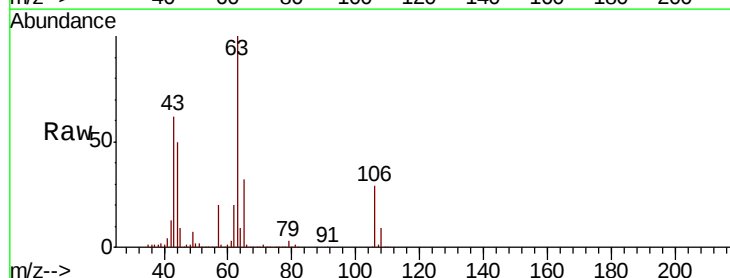
Acq: 08 Aug 2018 03:11

Tgt Ion: 63 Resp: 309741

Ion Ratio Lower Upper

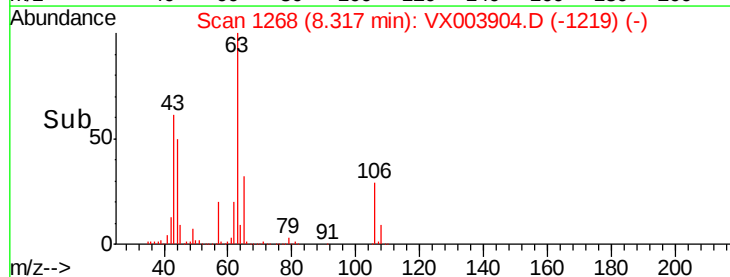
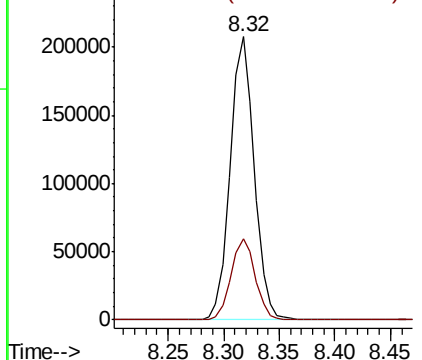
63 100

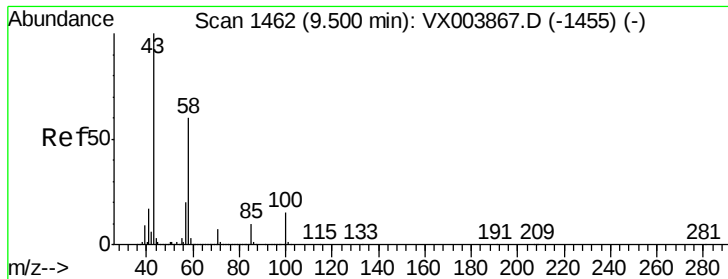
106 29.0 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





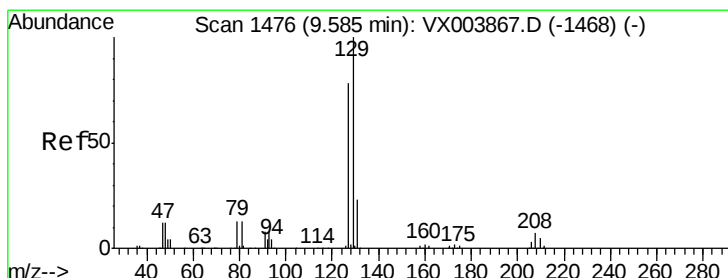
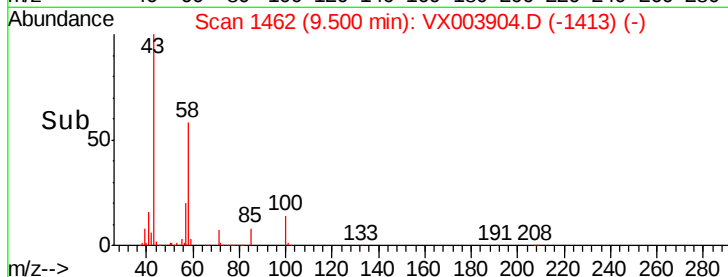
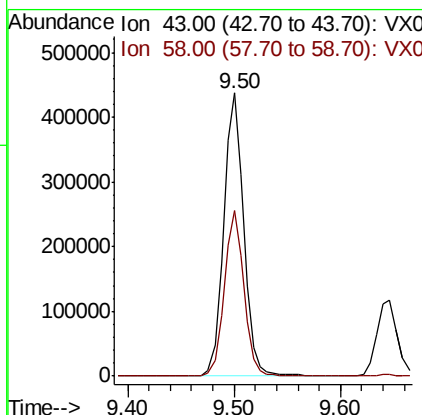
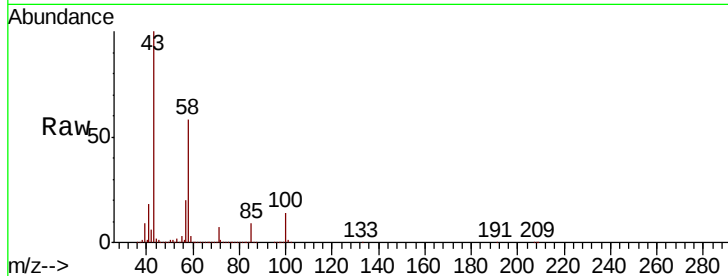
#59
2-Hexanone
Concen: 102.22 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003904.D
Acq: 08 Aug 2018 03:11

Instrument :
MSVOA_X
ClientSampleId :
VX0807WBS03

Tot Ion: 43 Resp: 573430
Ion Ratio Lower Upper
43 100
58 57.3 29.0 87.0

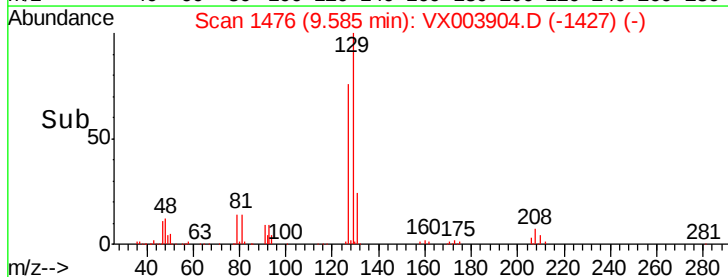
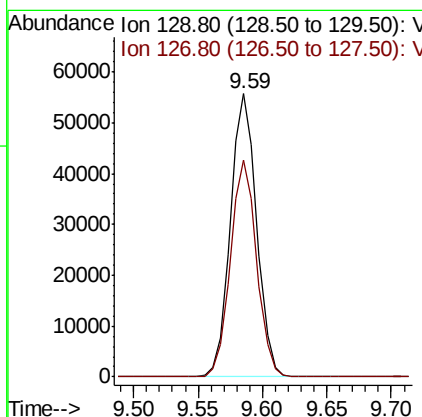
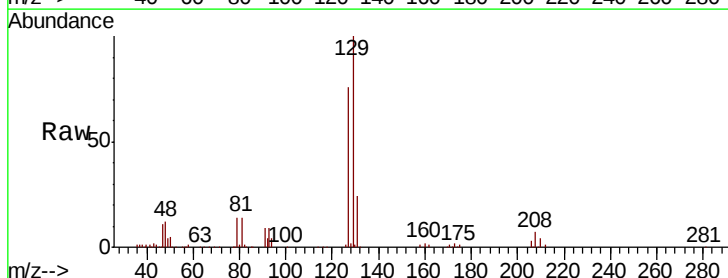
Manual Integrations
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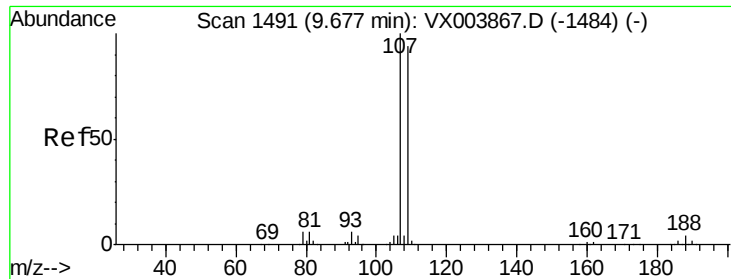
sam
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#60
Dibromochloromethane
Concen: 20.04 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003904.D
Acq: 08 Aug 2018 03:11

Tgt Ion: 129 Resp: 79230
Ion Ratio Lower Upper
129 100
127 76.3 38.8 116.3





#61

1,2-Dibromoethane

Concen: 20.31 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003904.D

Acq: 08 Aug 2018 03:11

Instrument :

MSVOA_X

ClientSampleId :

VX0807WBS03

Tot Ion:107 Resp: 86247

Ion Ratio Lower Upper

107 100

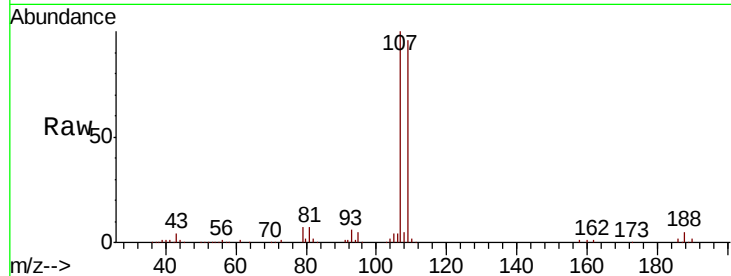
109 94.4 75.8 113.8

Manual Integrations

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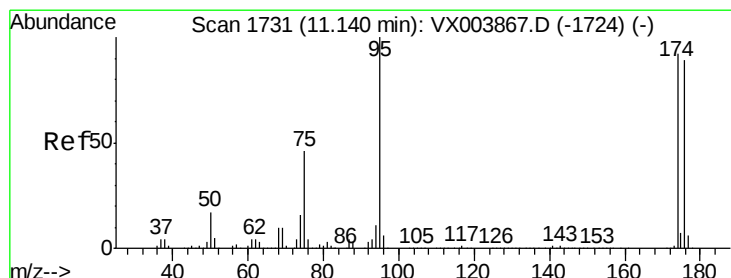
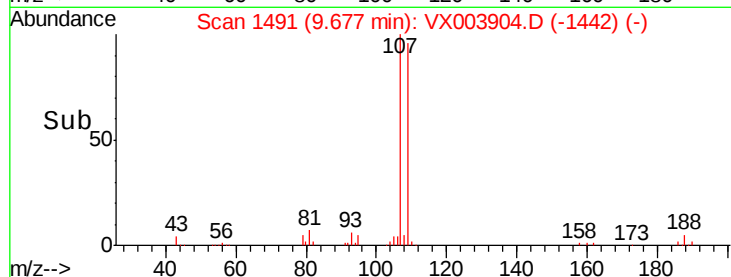
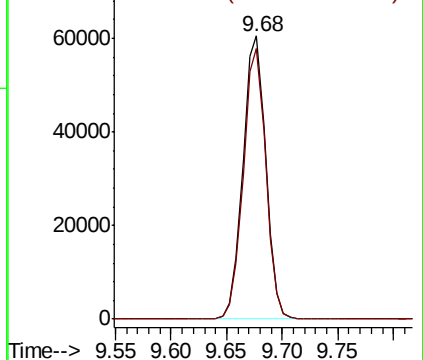
sam

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 54.68 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003904.D

Acq: 08 Aug 2018 03:11

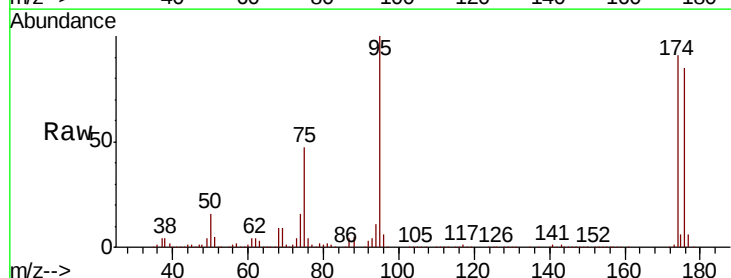
Tgt Ion: 95 Resp: 254543

Ion Ratio Lower Upper

95 100

174 90.2 0.0 182.8

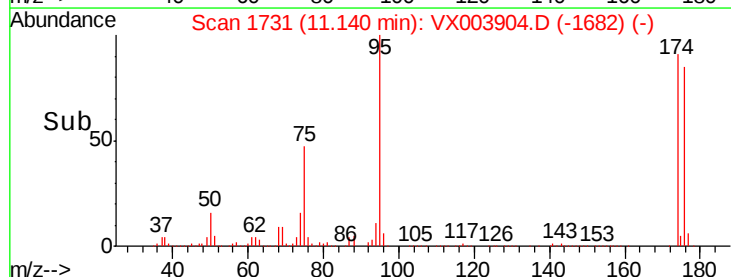
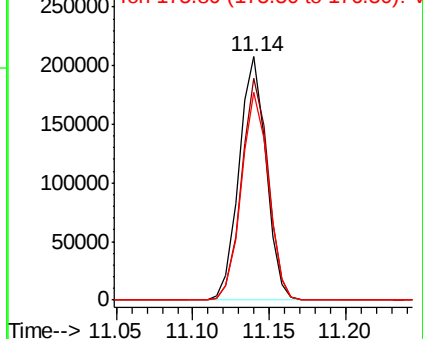
176 85.9 0.0 179.0

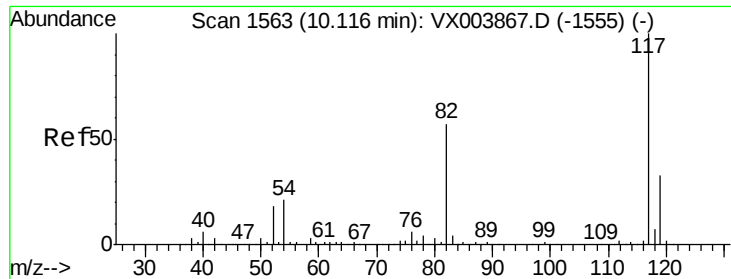


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX003904.D

Acq: 08 Aug 2018 03:11

Instrument :

MSVOA_X

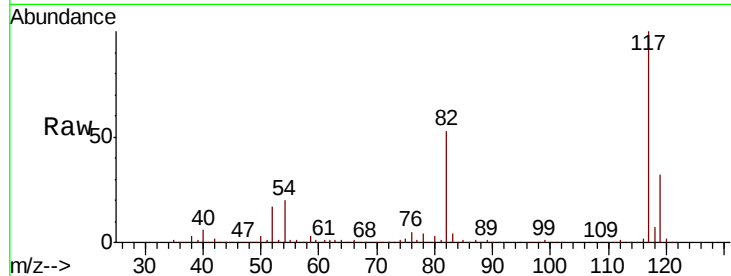
ClientSampleId :

VX0807WBS03

Tot Ion:	117	Resp:	463633
Ion Ratio	Lower	Upper	
117	100		
82	53.1	45.4	68.0
119	31.9	26.6	40.0

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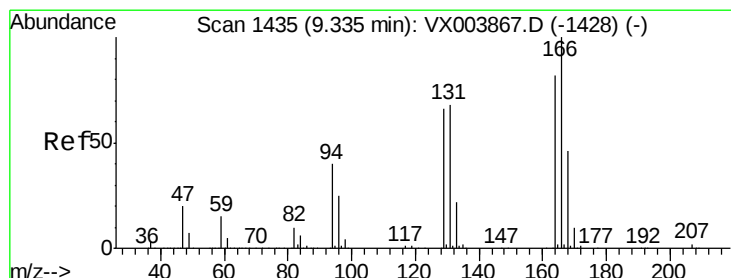
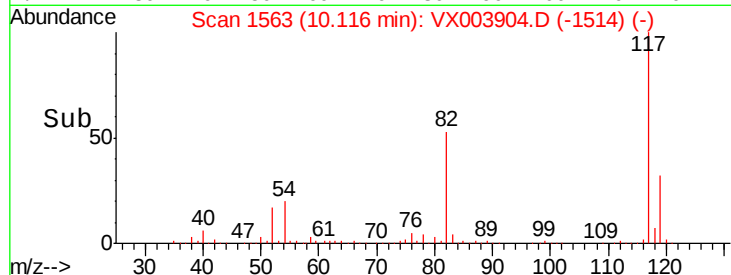
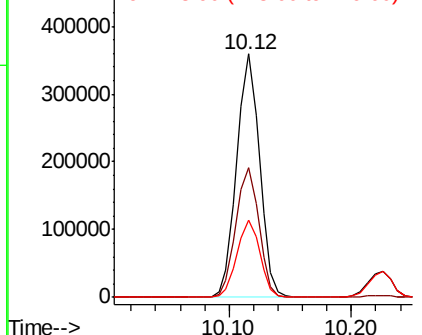


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 18.58 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. 0.00 min

Lab File: VX003904.D

Acq: 08 Aug 2018 03:11

Tgt Ion:	164	Resp:	84740
Ion Ratio	Lower	Upper	
164	100		
166	131.2	98.0	147.0
129	91.4	64.3	96.5
131	88.0	66.8	100.2

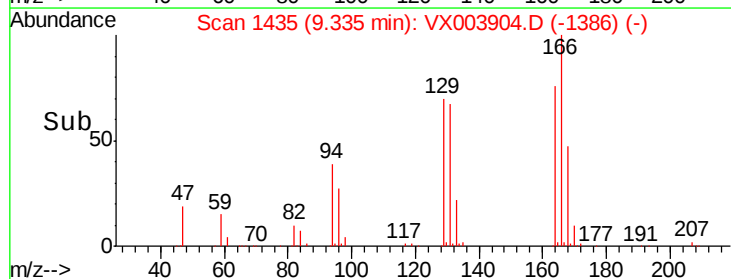
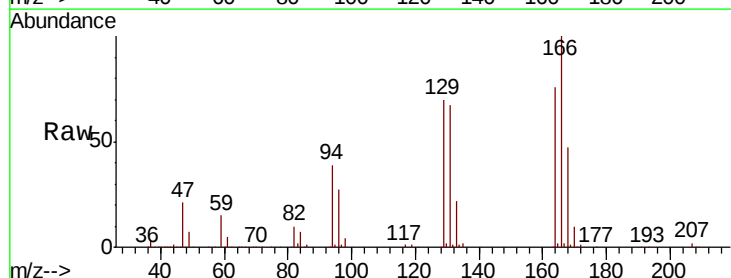
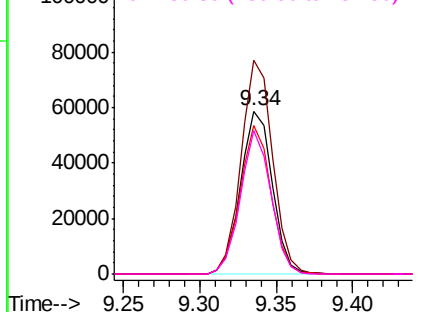
Abundance

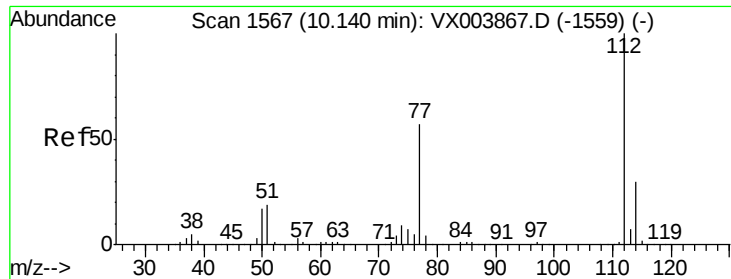
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





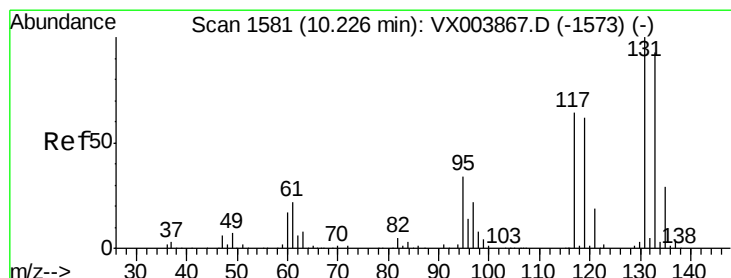
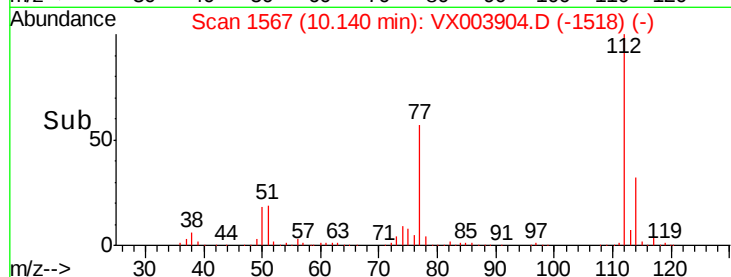
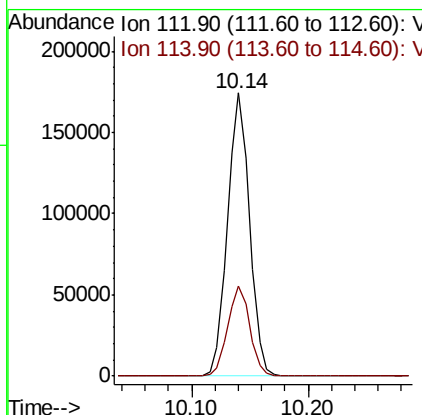
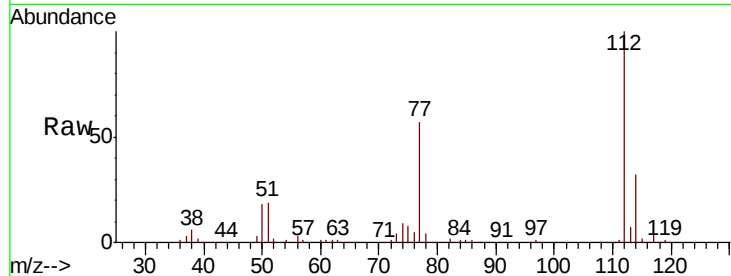
#65
Chlorobenzene
Concen: 18.98 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003904.D
Acq: 08 Aug 2018 03:11

Instrument :
MSVOA_X
ClientSampleId :
VX0807WBS03

Tot Ion:112 Resp: 228920
Ion Ratio Lower Upper
112 100
114 31.7 23.6 35.4

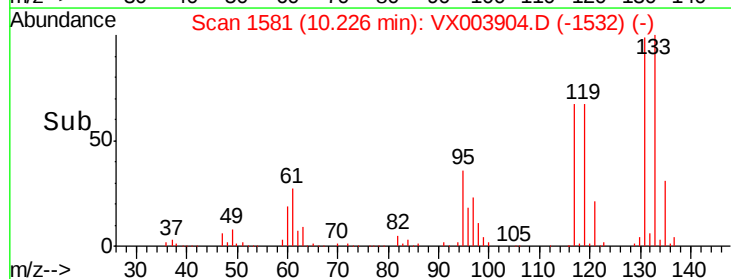
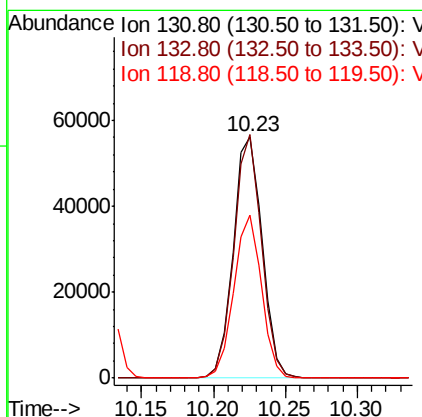
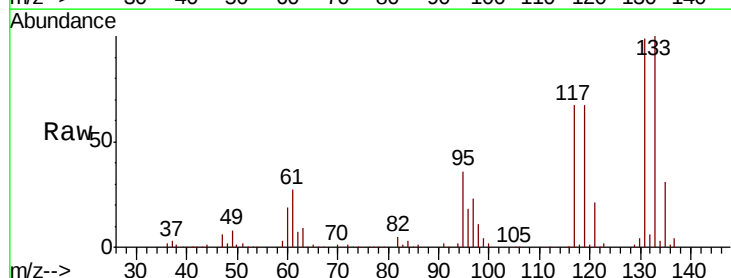
Manual Integrations
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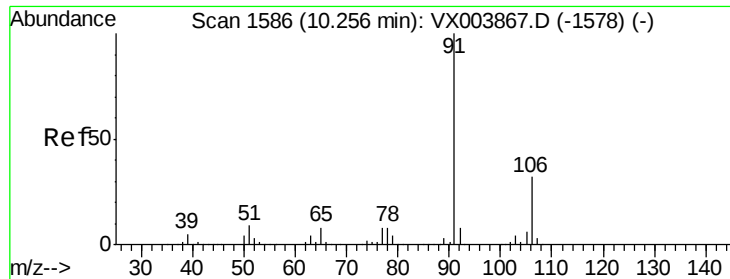
sam
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.04 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003904.D
Acq: 08 Aug 2018 03:11

Tgt Ion:131 Resp: 78951
Ion Ratio Lower Upper
131 100
133 96.3 47.3 141.8
119 64.8 31.6 94.8





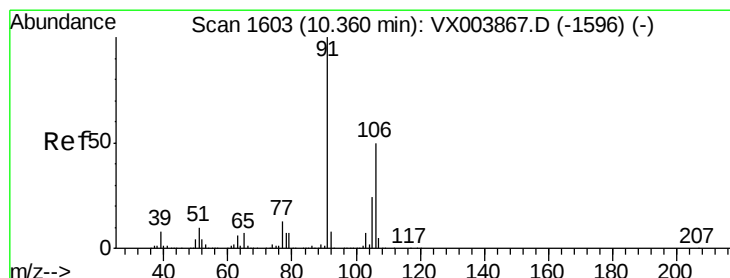
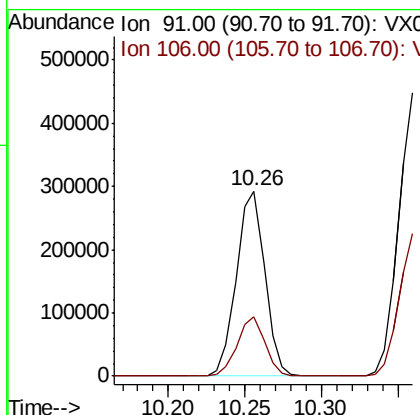
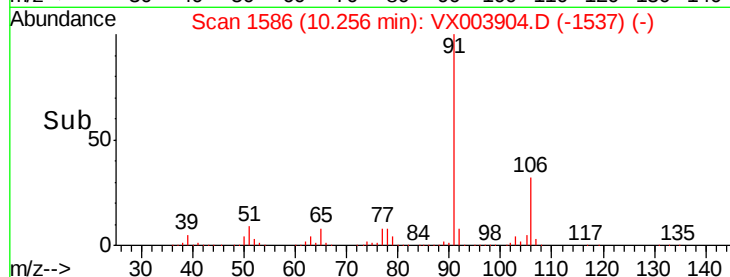
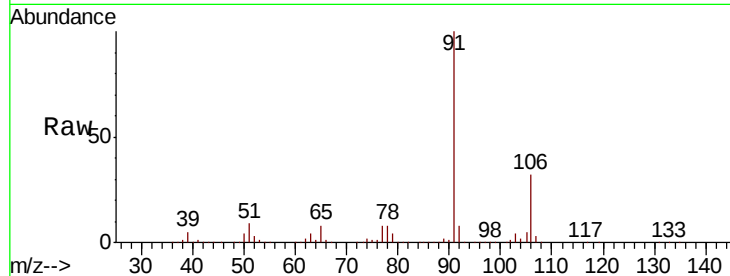
#67
Ethyl Benzene
Concen: 19.14 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003904.D
Acq: 08 Aug 2018 03:11

Instrument :
MSVOA_X
ClientSampleId :
VX0807WBS03

Tot Ion: 91 Resp: 377901
Ion Ratio Lower Upper
91 100
106 31.8 25.9 38.9

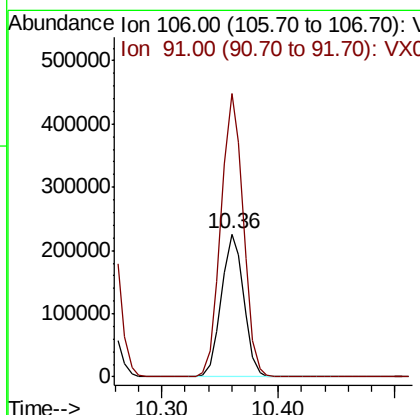
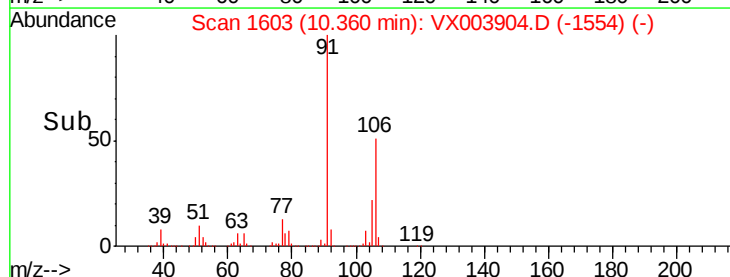
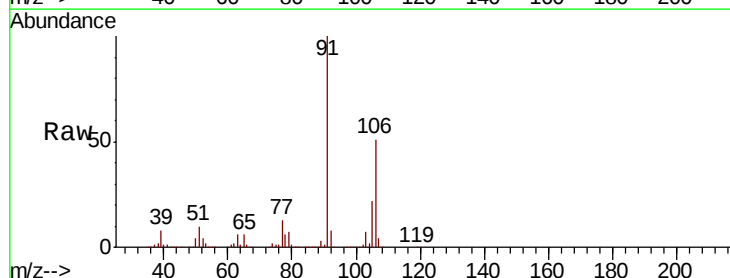
Manual Integrations
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#68
m/p-Xylenes
Concen: 38.84 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003904.D
Acq: 08 Aug 2018 03:11

Tgt Ion: 106 Resp: 299673
Ion Ratio Lower Upper
106 100
91 197.9 162.3 243.5





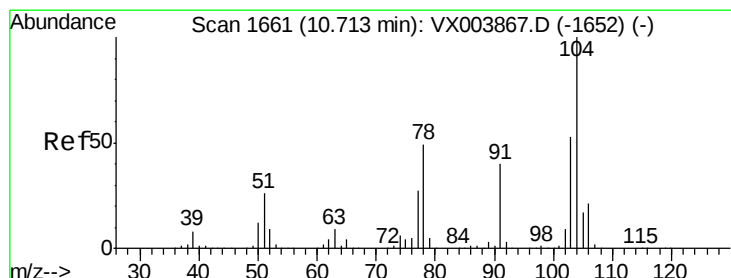
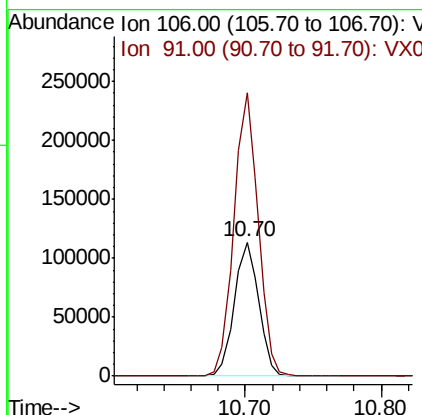
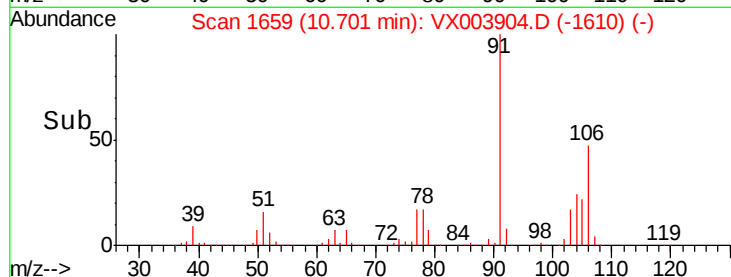
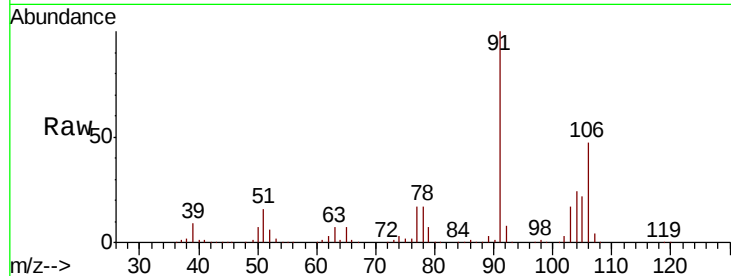
#69
o-Xylene
Concen: 19.57 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003904.D
Acq: 08 Aug 2018 03:11

Instrument :
MSVOA_X
ClientSampled :
VX0807WBS03

Tot Ion:106 Resp: 142527
Ion Ratio Lower Upper
106 100
91 209.5 101.9 305.7

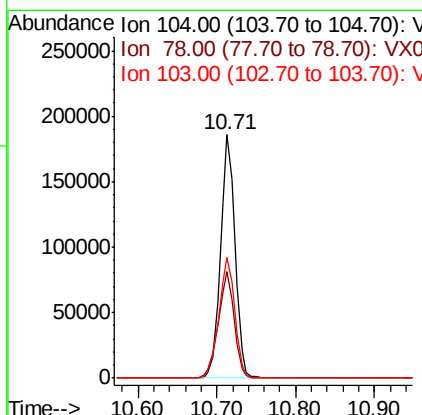
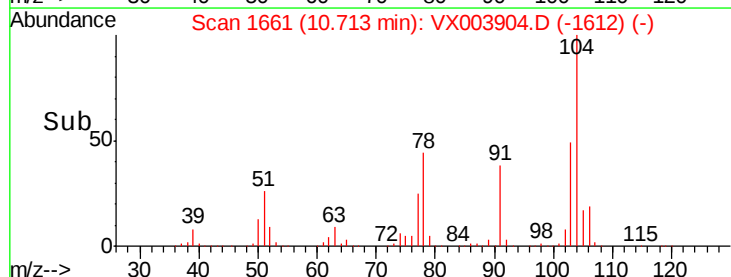
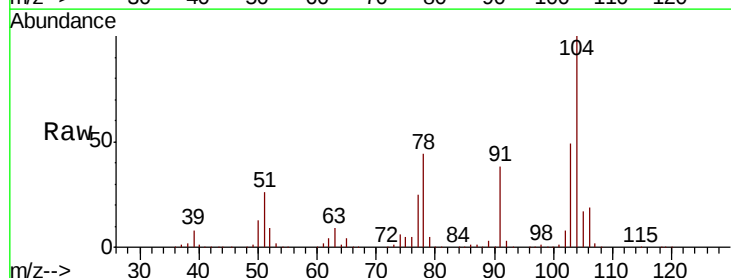
Manual Integrations
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#70
Styrene
Concen: 20.01 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003904.D
Acq: 08 Aug 2018 03:11

Tgt Ion:104 Resp: 238584
Ion Ratio Lower Upper
104 100
78 47.9 39.8 59.6
103 54.2 44.3 66.5





#71

Bromoform

Concen: 18.75 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003904.D

Acq: 08 Aug 2018 03:11

Instrument :

MSVOA_X

ClientSampleId :

VX0807WBS03

Tot Ion:173 Resp: 59147

Ion Ratio Lower Upper

173 100

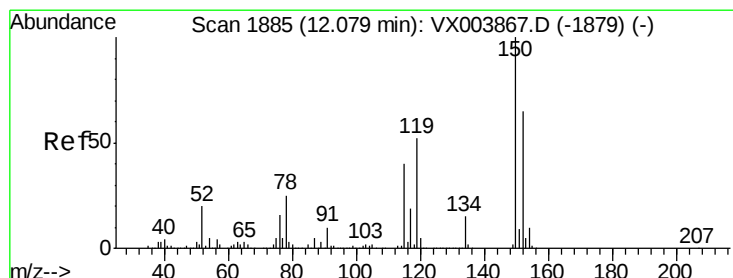
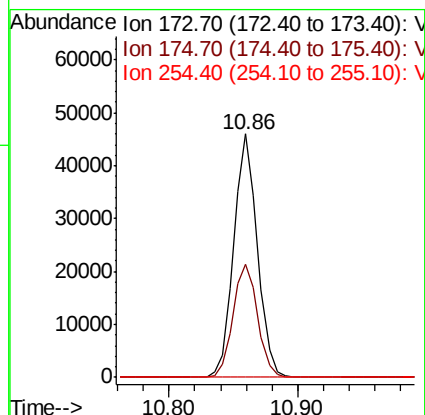
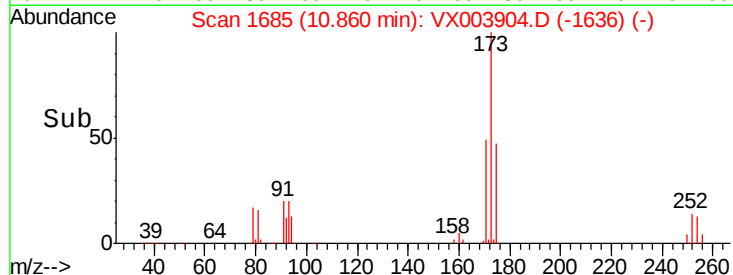
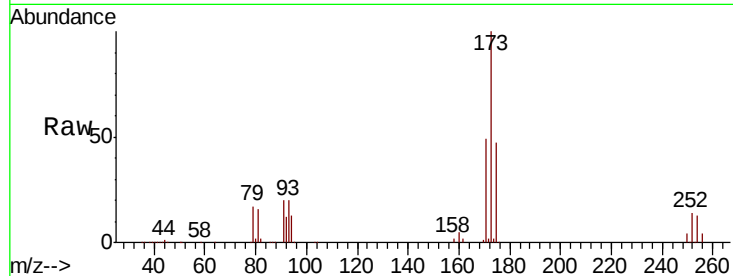
175 48.4 24.9 74.7

254 0.0 0.2 0.2#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003904.D

Acq: 08 Aug 2018 03:11

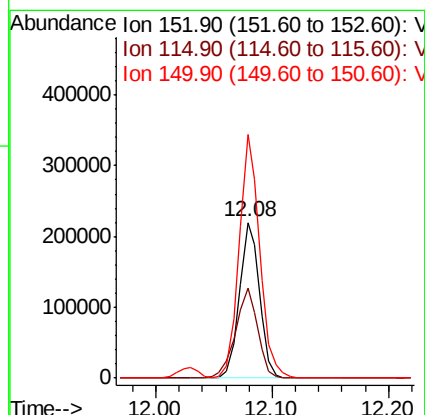
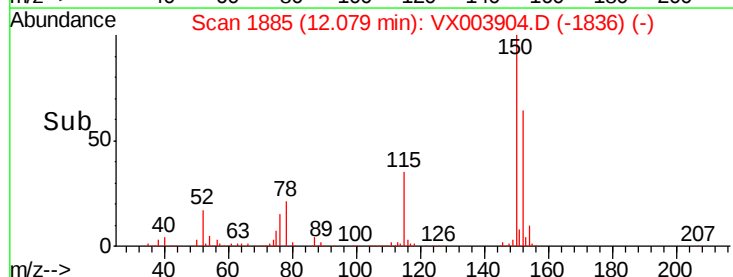
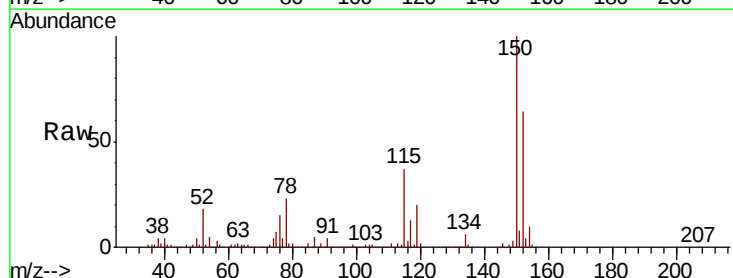
Tgt Ion:152 Resp: 262268

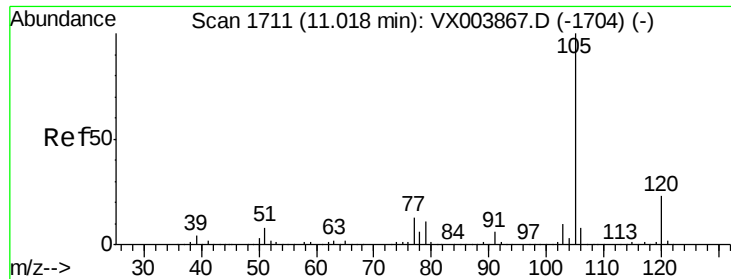
Ion Ratio Lower Upper

152 100

115 63.7 39.1 117.3

150 161.6 0.0 349.2





#73

Isopropylbenzene

Concen: 19.66 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX003904.D

Acq: 08 Aug 2018 03:11

Instrument :

MSVOA_X

ClientSampleId :

VX0807WBS03

Tot Ion: 105 Resp: 381337

Ion Ratio Lower Upper

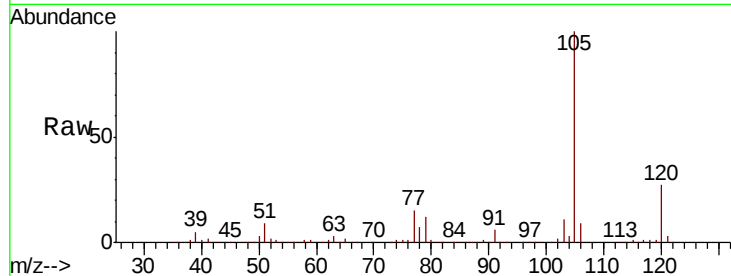
105 100

120 27.3 12.6 37.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

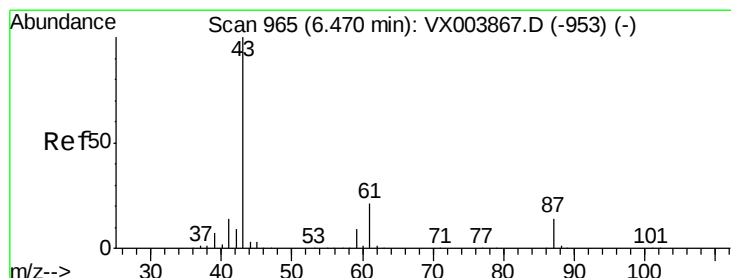
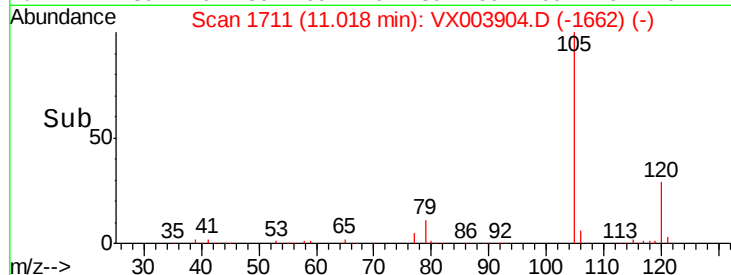
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 17.36 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX003904.D

Acq: 08 Aug 2018 03:11

Tgt Ion: 43 Resp: 175177

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.1 0.1#

61 20.6 16.9 25.3

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

100000

80000

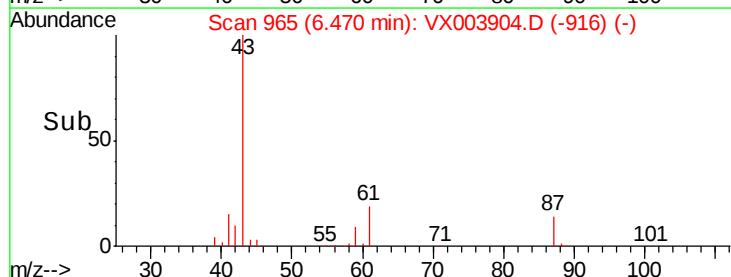
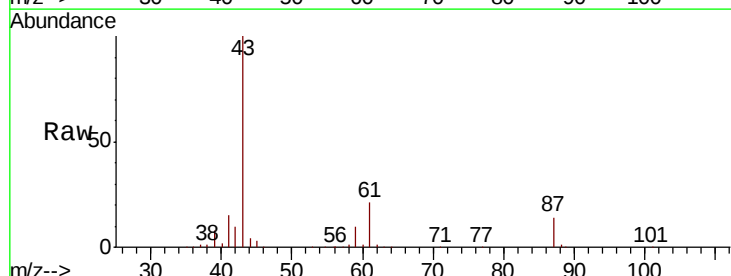
60000

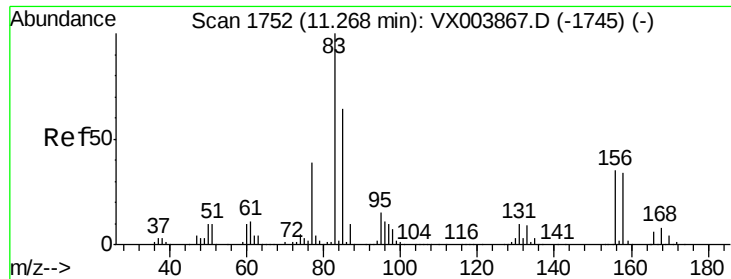
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.55 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX003904.D

Acq: 08 Aug 2018 03:11

Instrument :

MSVOA_X

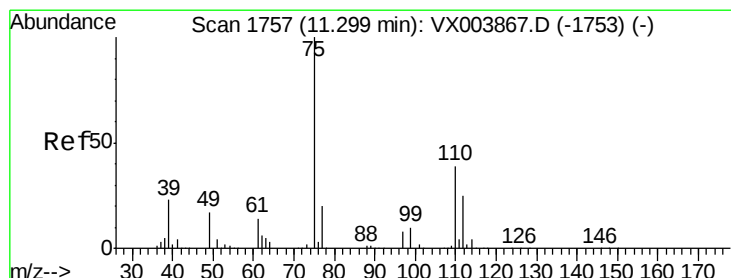
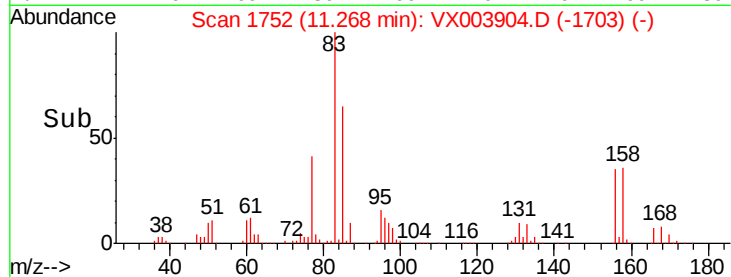
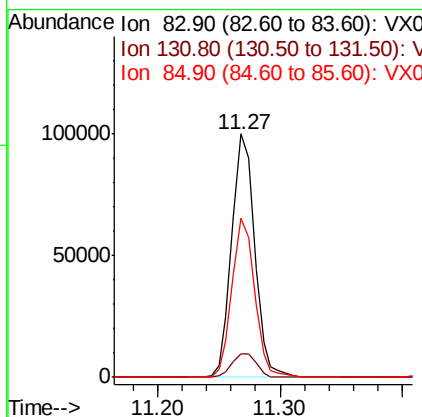
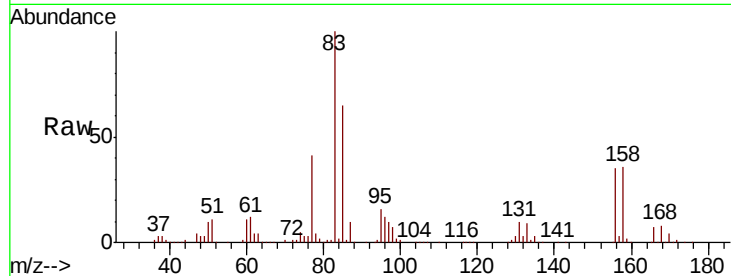
ClientSampled :

VX0807WBS03

Tot Ion:	83	Resp:	129984
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.2	15.6
85	64.6	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.44 ug/l m

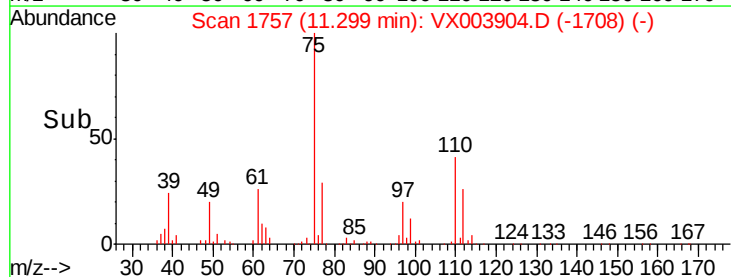
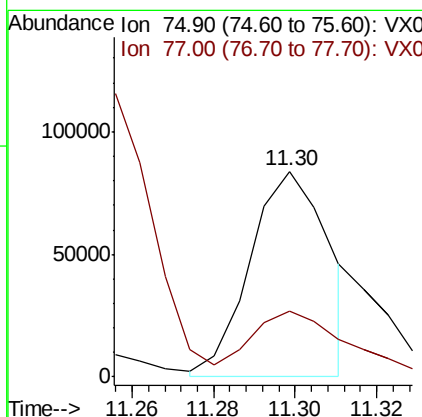
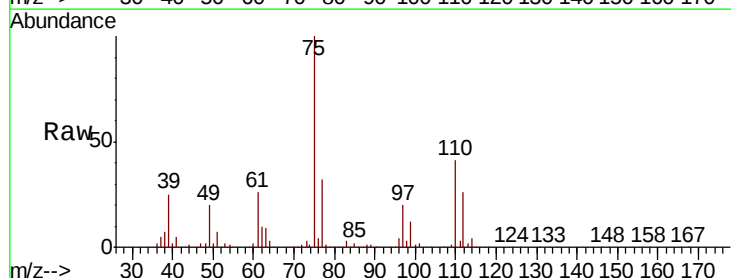
RT: 11.30 min Scan# 1757

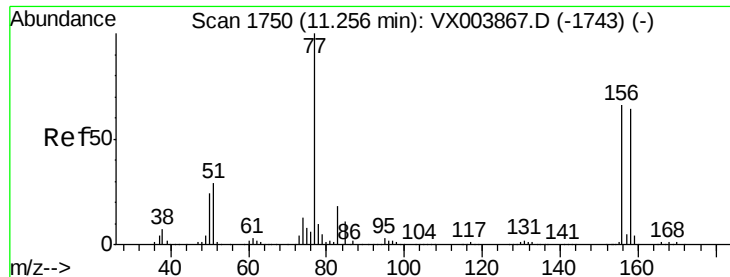
Delta R.T. 0.00 min

Lab File: VX003904.D

Acq: 08 Aug 2018 03:11

Tgt Ion:	75	Resp:	112627
Ion Ratio	Lower	Upper	
75	100		
77	39.0	20.8	62.5





#77

Bromobenzene

Concen: 19.41 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003904.D

Acq: 08 Aug 2018 03:11

Instrument :

MSVOA_X

ClientSampleId :

VX0807WBS03

Tot Ion: 156 Resp: 100475

Ion Ratio Lower Upper

156 100

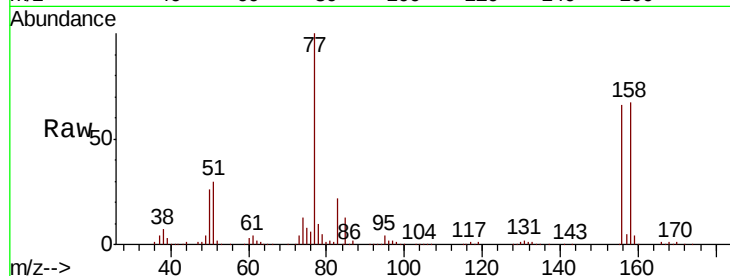
77 148.2 74.1 222.2

158 99.3 48.6 145.9

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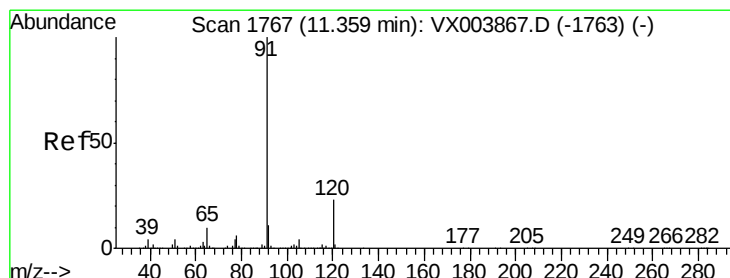
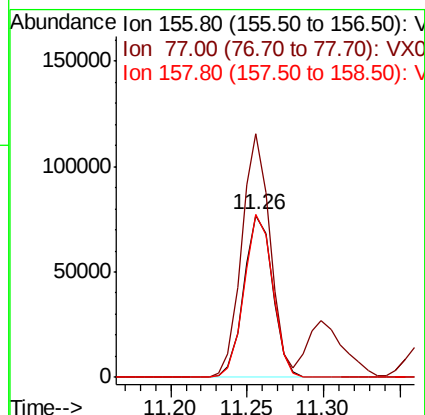
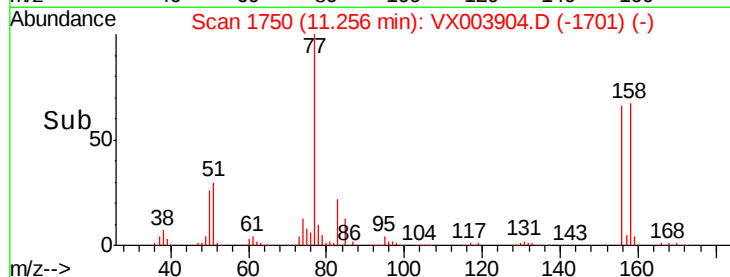


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.78 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX003904.D

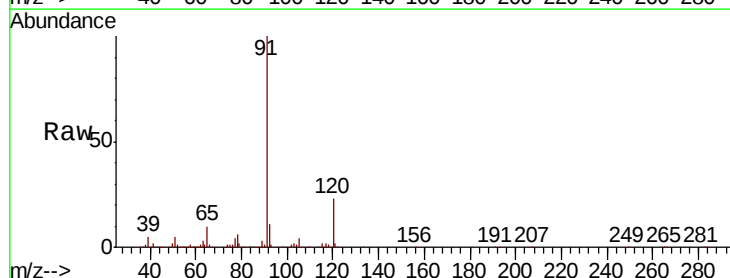
Acq: 08 Aug 2018 03:11

Tgt Ion: 91 Resp: 431005

Ion Ratio Lower Upper

91 100

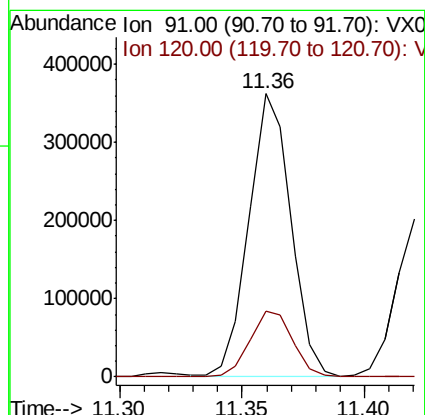
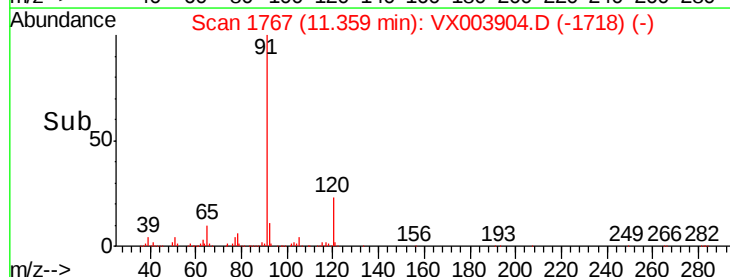
120 23.9 11.9 35.5

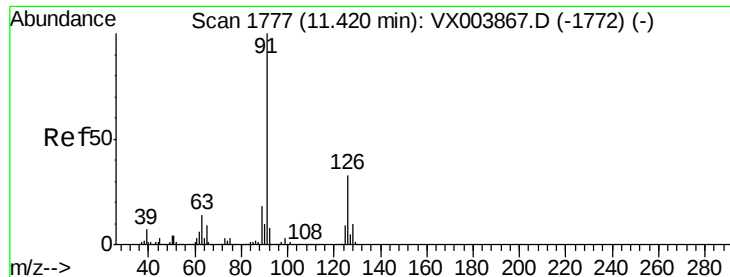


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





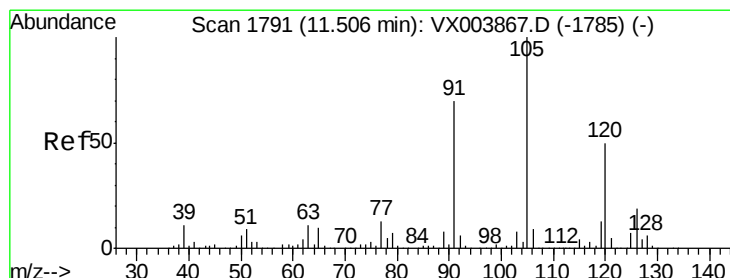
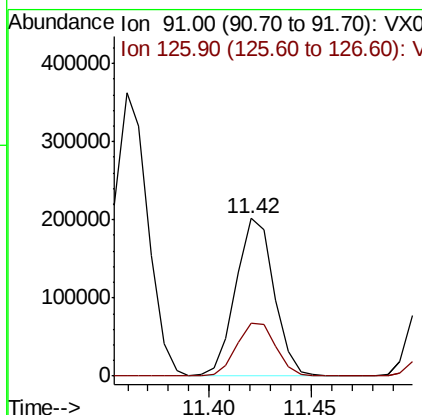
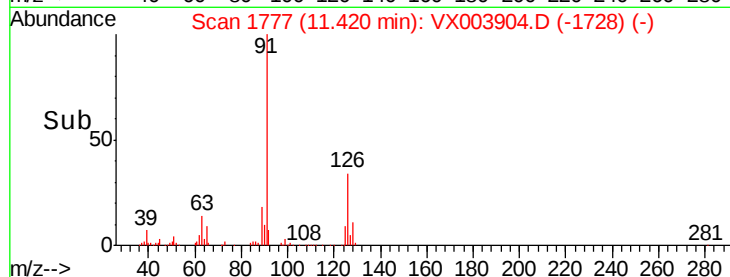
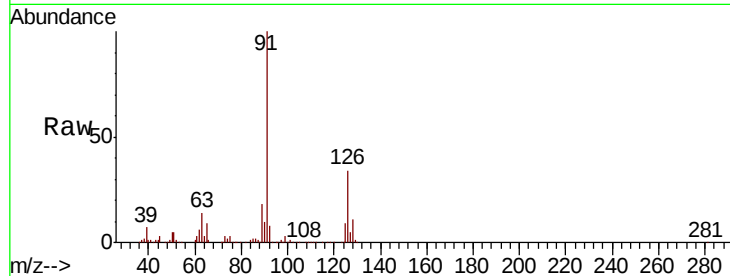
#79
 2-Chlorotoluene
 Concen: 19.63 ug/l
 RT: 11.42 min Scan# 1777
 Delta R.T. 0.00 min
 Lab File: VX003904.D
 Acq: 08 Aug 2018 03:11

Instrument :
 MSVOA_X
 ClientSampled :
 VX0807WBS03

Tot Ion: 91 Resp: 260800
 Ion Ratio Lower Upper
 91 100
 126 35.0 17.4 52.3

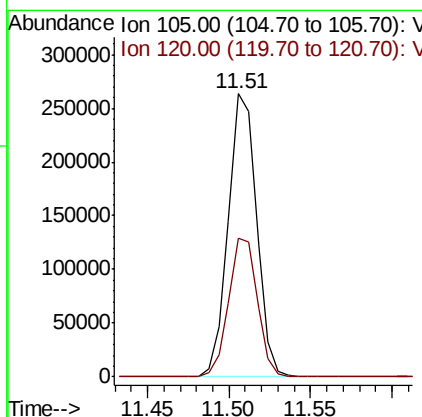
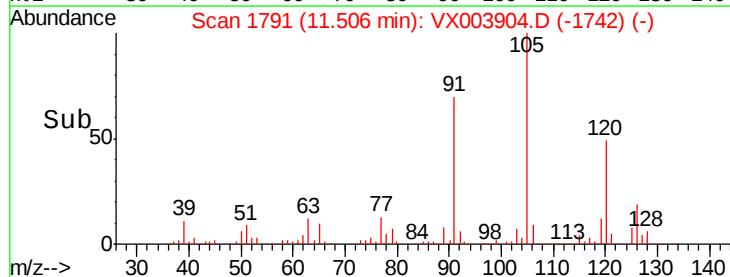
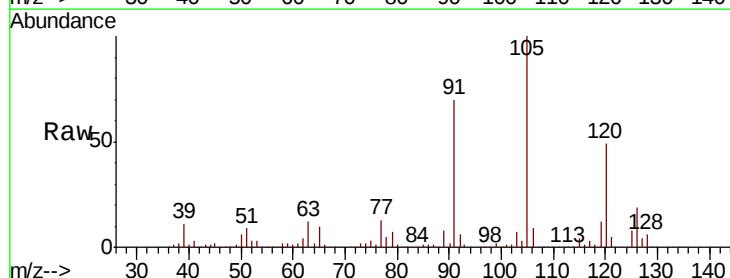
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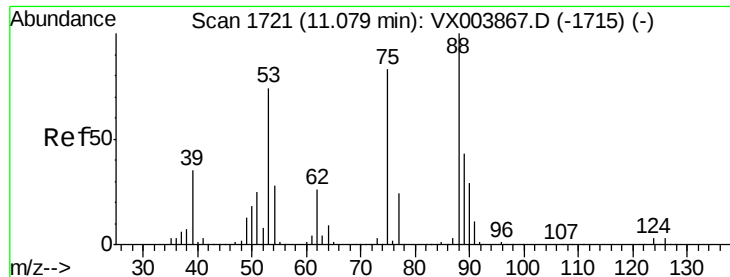
sam
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.17 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX003904.D
 Acq: 08 Aug 2018 03:11

Tgt Ion: 105 Resp: 319057
 Ion Ratio Lower Upper
 105 100
 120 49.9 25.4 76.2





#81

trans-1,4-Dichloro-2-butene

Concen: 15.40 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003904.D

Acq: 08 Aug 2018 03:11

Instrument :

MSVOA_X

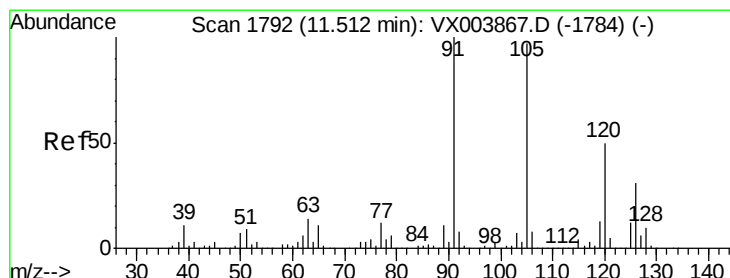
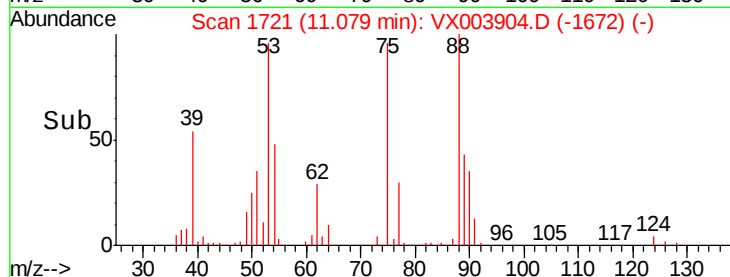
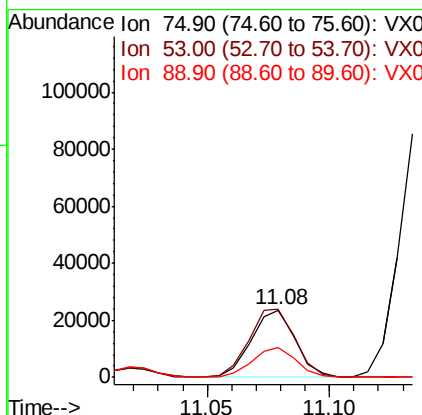
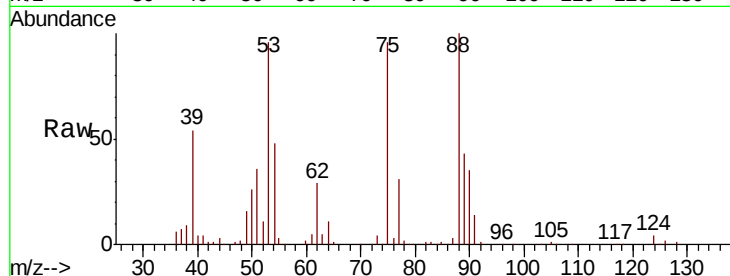
ClientSampled :

VX0807WBS03

Tot Ion:	75	Resp:	29381
Ion Ratio	Lower	Upper	
75	100		
53	106.0	80.3	120.5
89	45.2	37.8	56.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.54 ug/l

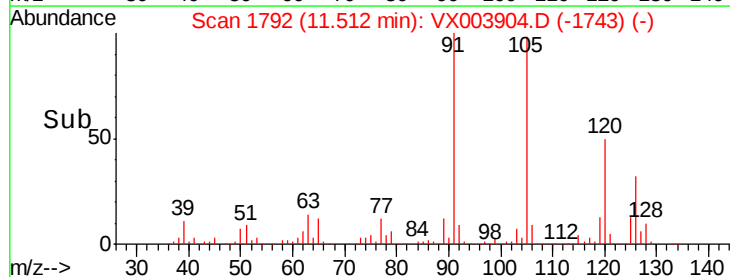
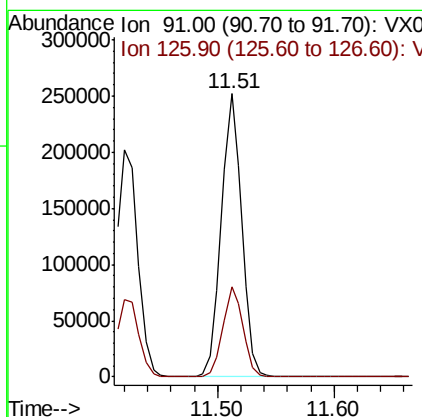
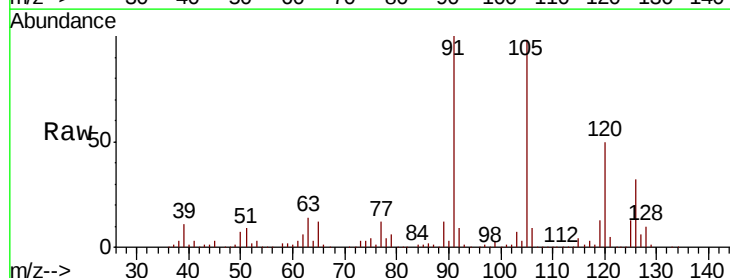
RT: 11.51 min Scan# 1792

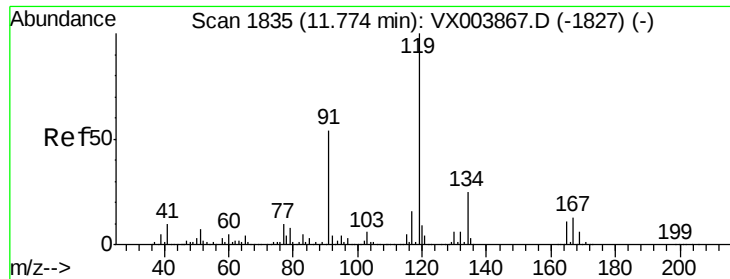
Delta R.T. 0.00 min

Lab File: VX003904.D

Acq: 08 Aug 2018 03:11

Tgt Ion:	91	Resp:	304158
Ion Ratio	Lower	Upper	
91	100		
126	31.5	15.6	46.7





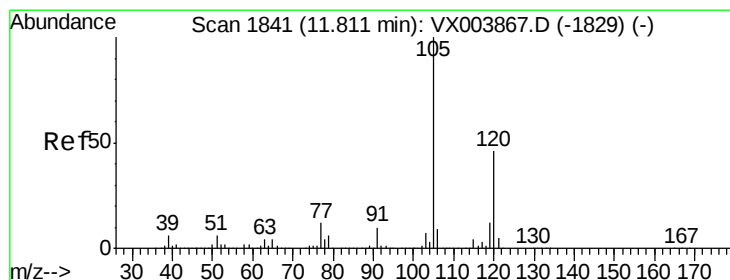
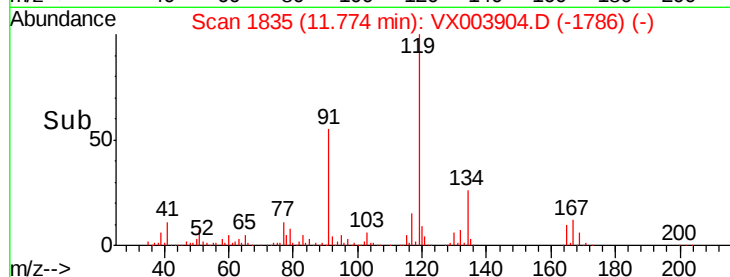
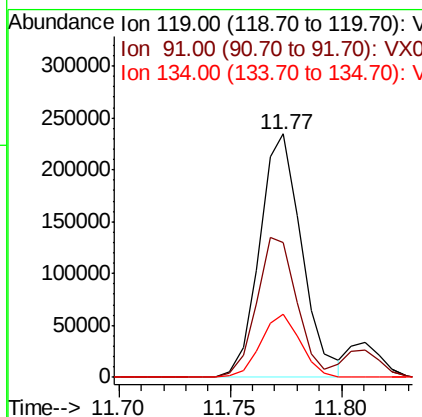
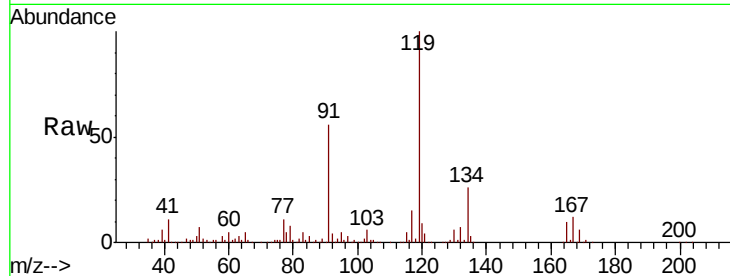
#83
tert-Butylbenzene
Concen: 19.84 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX003904.D
Acq: 08 Aug 2018 03:11

Instrument :
MSVOA_X
ClientSampleId :
VX0807WBS03

Tot Ion	Ratio	Resp	Lower	Upper
119	100	308781		
91	54.9	26.9	80.7	
134	24.7	12.0	36.0	

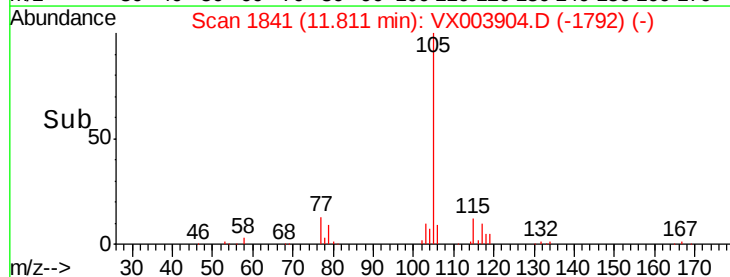
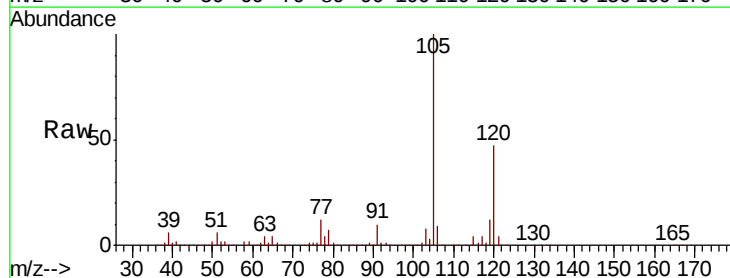
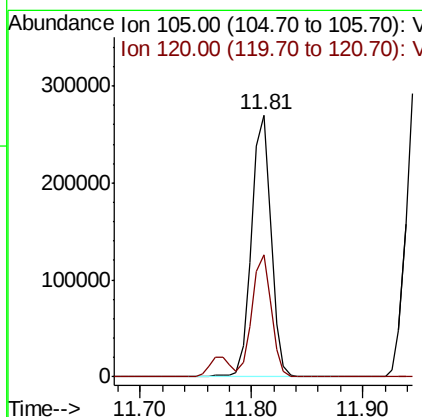
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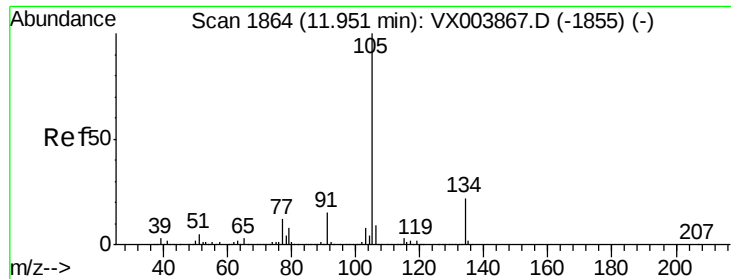
sam
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#84
1,2,4-Trimethylbenzene
Concen: 20.74 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX003904.D
Acq: 08 Aug 2018 03:11

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	329916		
120	46.1	23.1	69.2	





#85

sec-Butylbenzene

Concen: 20.01 ug/l

RT: 11.94 min Scan# 1863

Delta R.T. -0.01 min

Lab File: VX003904.D

Acq: 08 Aug 2018 03:11

Instrument :

MSVOA_X

ClientSampleId :

VX0807WBS03

Tot Ion:105 Resp: 367608

Ion Ratio Lower Upper

105 100

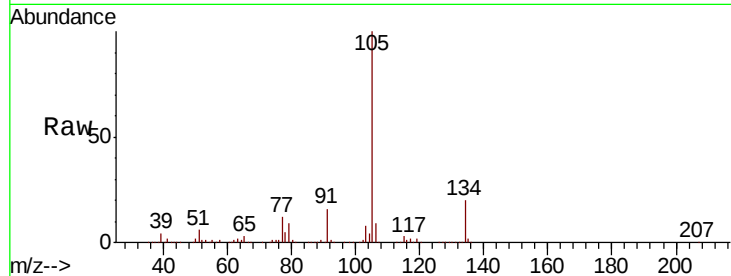
134 21.2 10.3 30.9

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

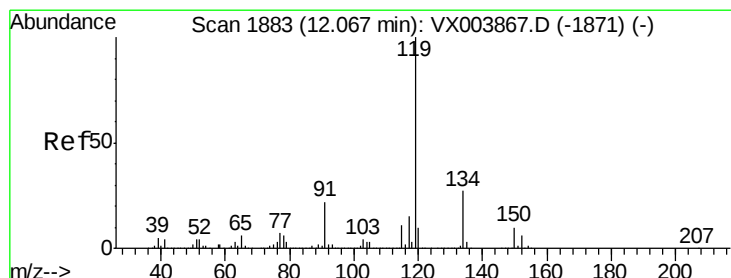
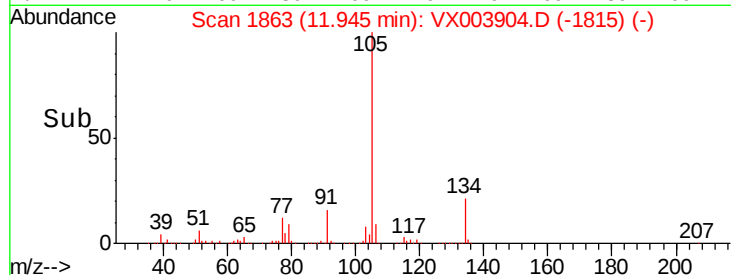
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.60 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003904.D

Acq: 08 Aug 2018 03:11

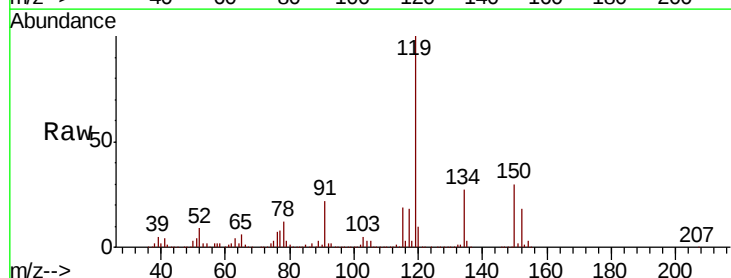
Tgt Ion:119 Resp: 323087

Ion Ratio Lower Upper

119 100

134 26.9 13.3 39.8

91 22.5 10.9 32.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.07

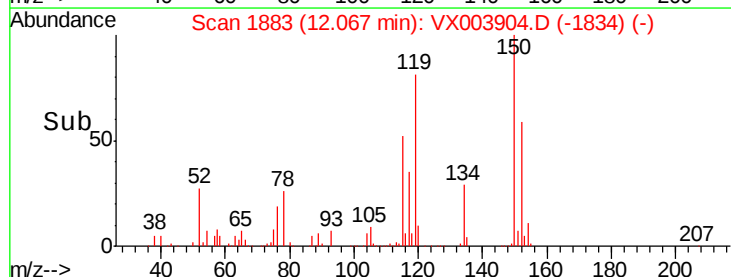
300000

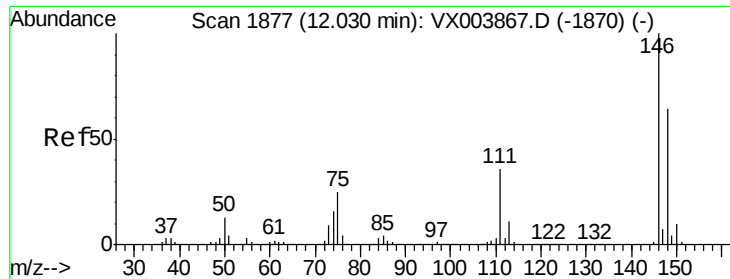
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 19.14 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX003904.D

Acq: 08 Aug 2018 03:11

Instrument :

MSVOA_X

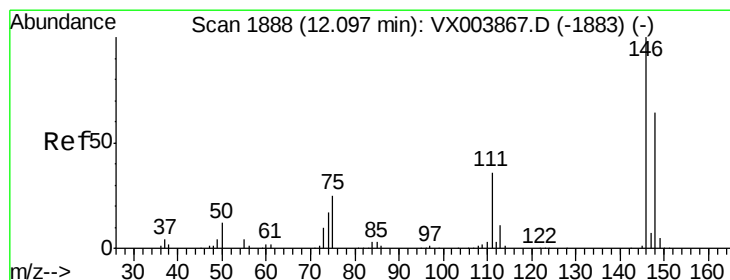
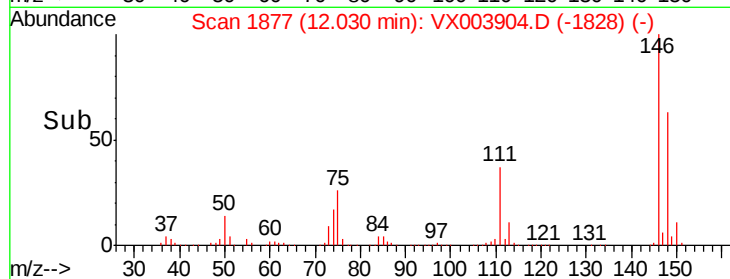
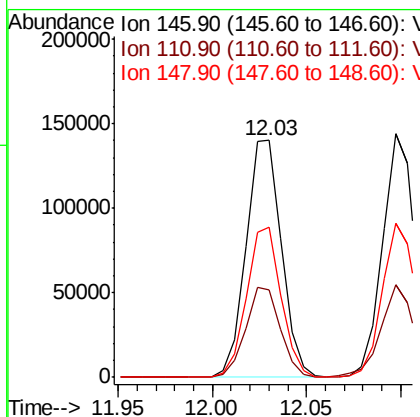
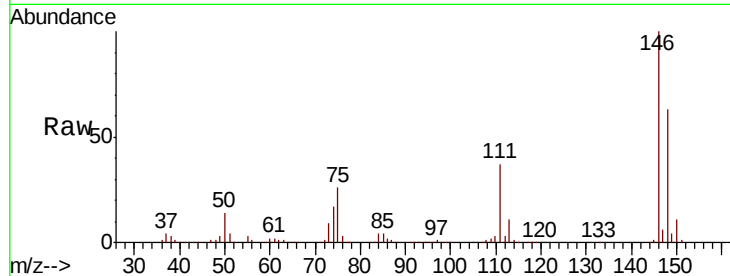
ClientSampleId :

VX0807WBS03

Tot Ion:	146	Resp:	183129
Ion Ratio	Lower	Upper	
146	100		
111	37.1	18.8	56.4
148	61.6	31.9	95.5

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#88

1,4-Dichlorobenzene

Concen: 18.91 ug/l

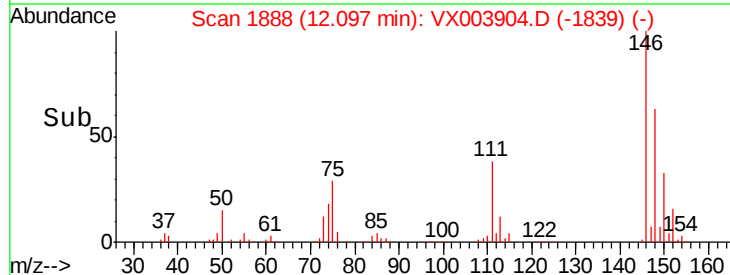
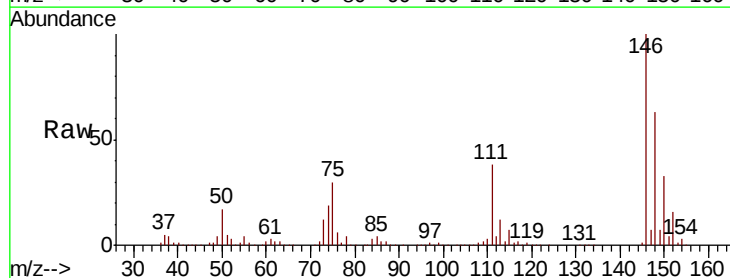
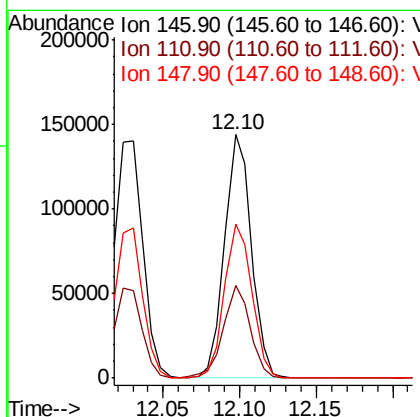
RT: 12.10 min Scan# 1888

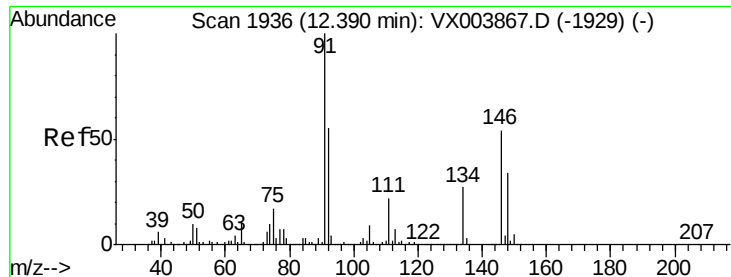
Delta R.T. 0.00 min

Lab File: VX003904.D

Acq: 08 Aug 2018 03:11

Tgt Ion:	146	Resp:	174996
Ion Ratio	Lower	Upper	
146	100		
111	38.6	18.4	55.0
148	65.3	32.3	96.8





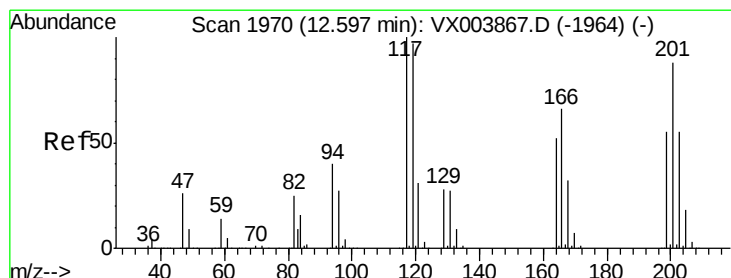
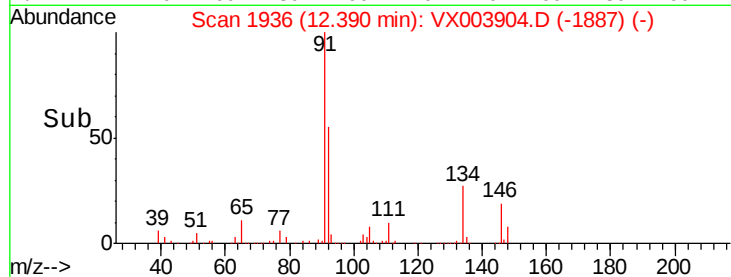
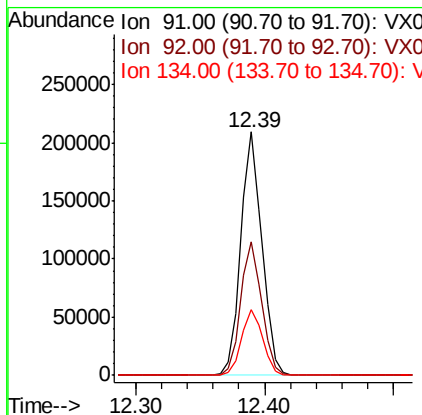
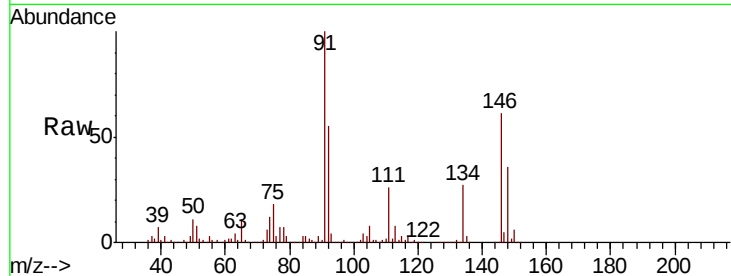
#89
n-Butylbenzene
Concen: 16.56 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003904.D
Acq: 08 Aug 2018 03:11

Instrument :
MSVOA_X
ClientSampleId :
VX0807WBS03

Tot Ion	Ratio	Resp	Lower	Upper
91	100	237831		
92	54.5	27.1	81.3	
134	27.0	13.6	40.7	

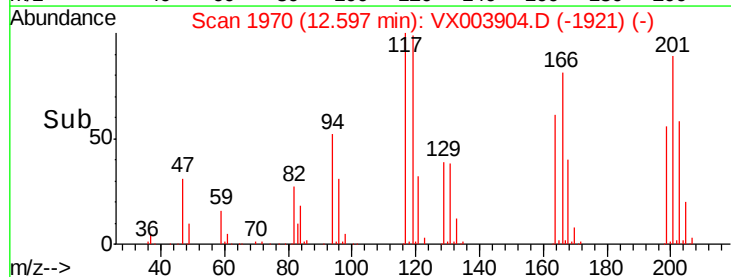
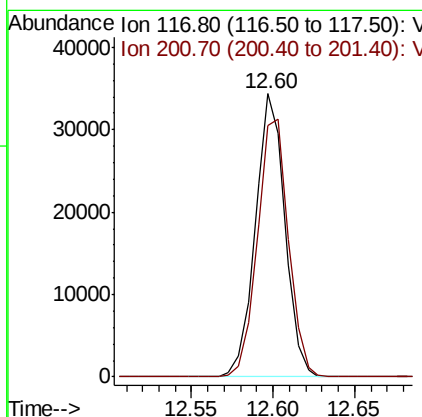
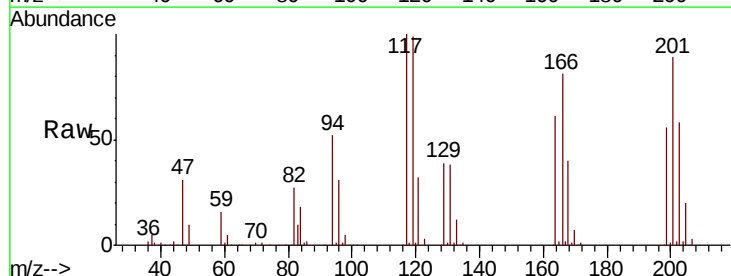
Manual Integrations
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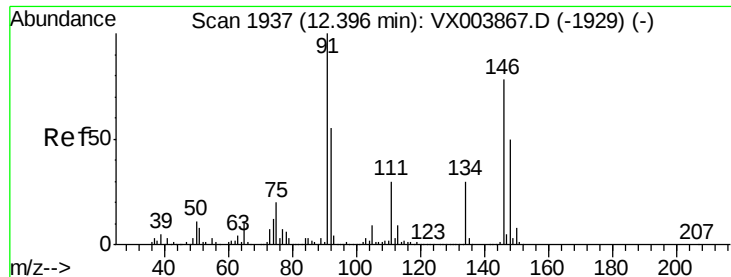
sam
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#90
Hexachloroethane
Concen: 16.17 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003904.D
Acq: 08 Aug 2018 03:11

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	43266		
201	95.1	46.1	138.2	





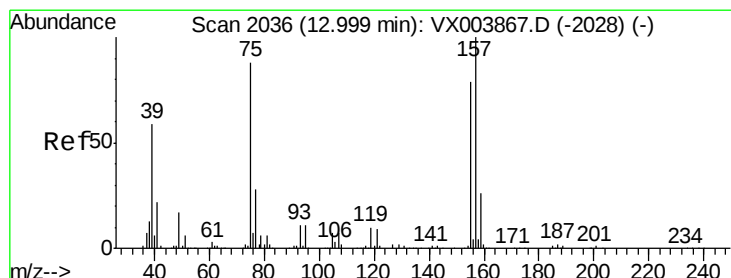
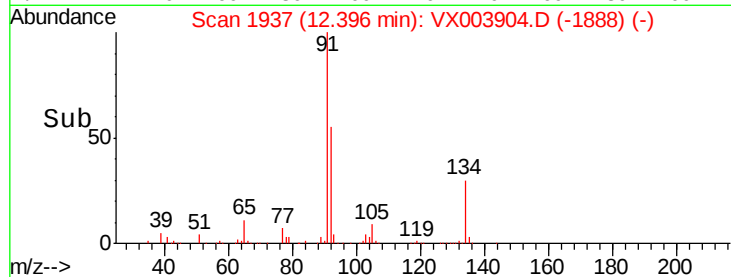
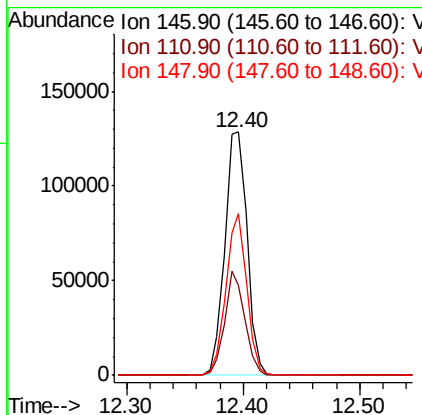
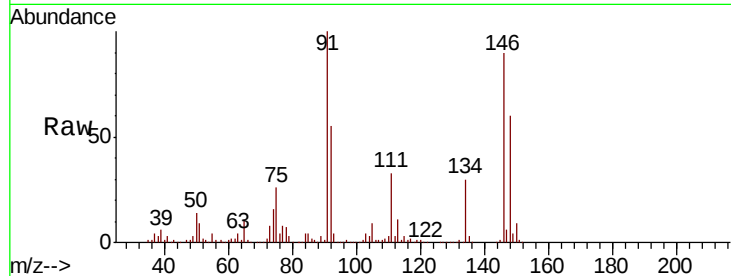
#91
 1,2-Dichlorobenzene
 Concen: 17.95 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003904.D
 Acq: 08 Aug 2018 03:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0807WBS03

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.7	59.0
148	61.9	31.9	95.5

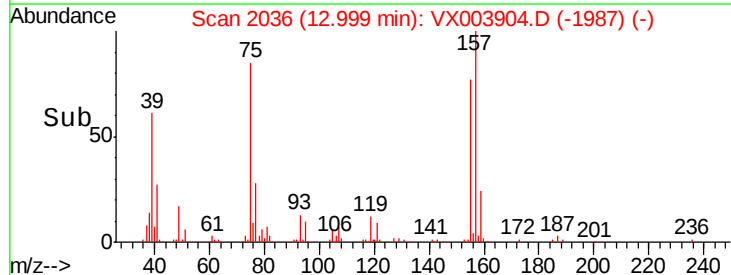
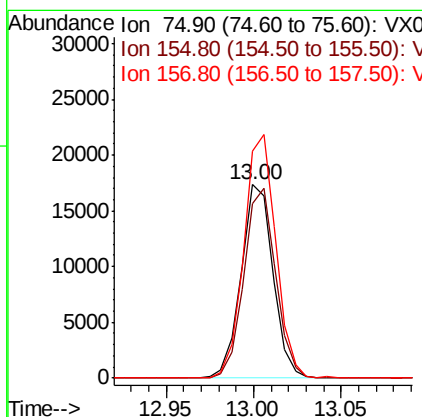
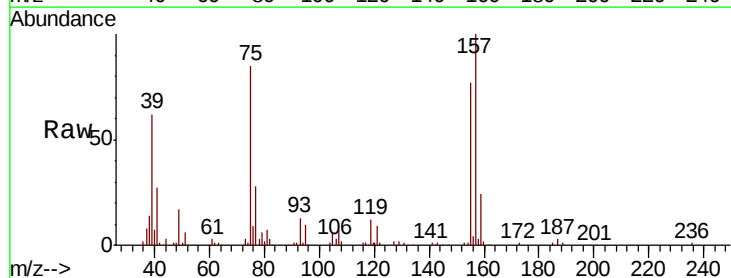
Manual Integrations
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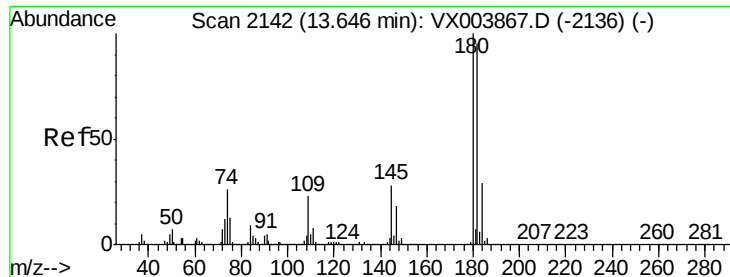
sam
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.16 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VX003904.D
 Acq: 08 Aug 2018 03:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.3	48.7	146.1
157	125.4	62.6	187.8





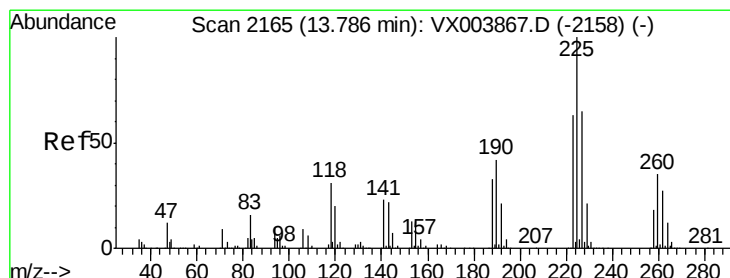
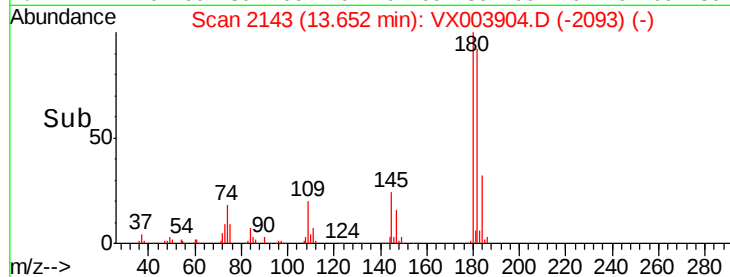
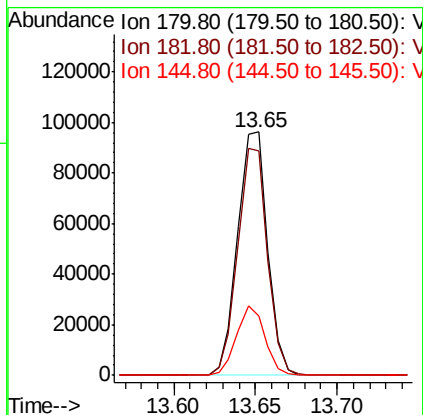
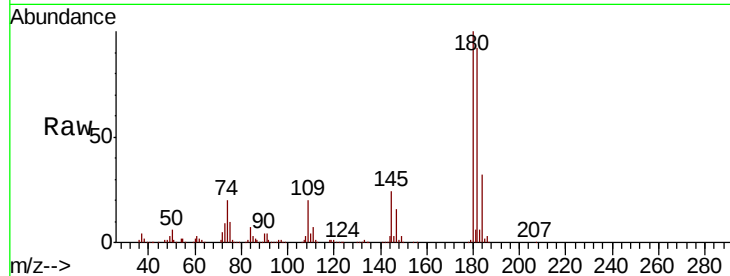
#93
 1,2,4-Trichlorobenzene
 Concen: 18.11 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.01 min
 Lab File: VX003904.D
 Acq: 08 Aug 2018 03:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0807WBS03

Tot Ion	Ratio	Resp	Lower	Upper
180	100	123555		
182	92.4	47.7	143.1	
145	26.8	13.9	41.6	

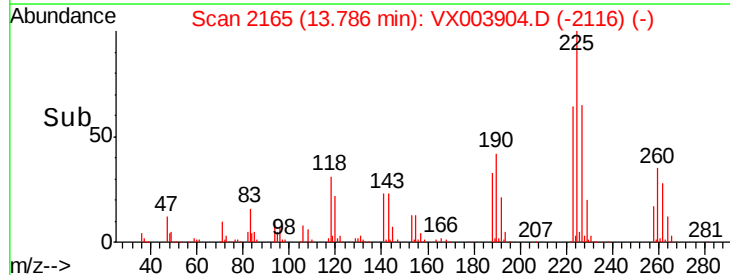
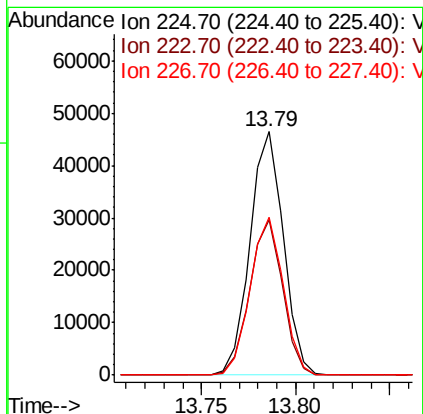
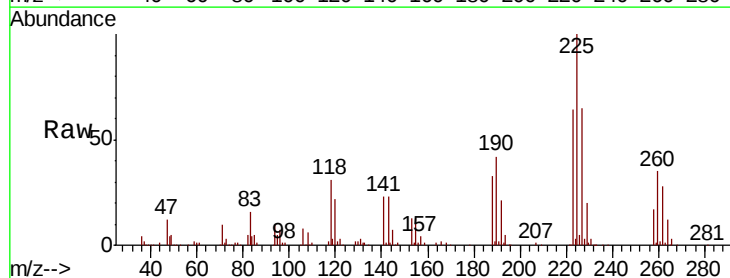
Manual Integrations
 APPROVED

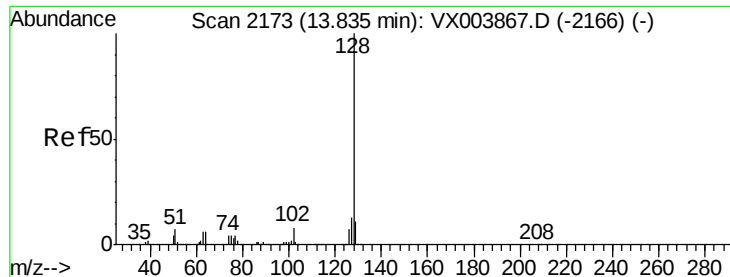
sam
 8/21/2018 4:31:47 PM



#94
 Hexachlorobutadiene
 Concen: 19.19 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003904.D
 Acq: 08 Aug 2018 03:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	56936		
223	63.1	31.4	94.0	
227	64.5	32.1	96.5	





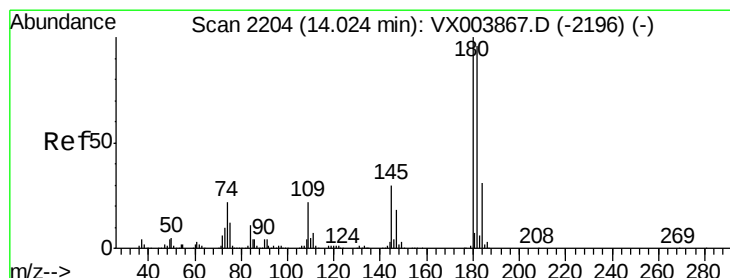
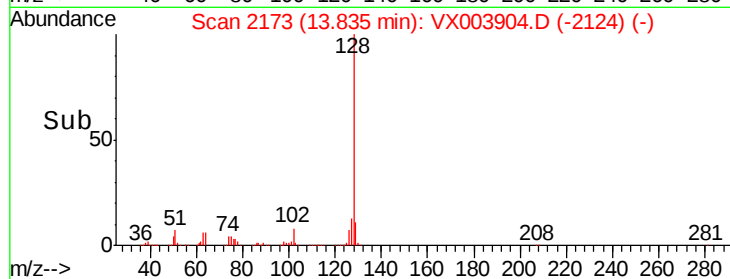
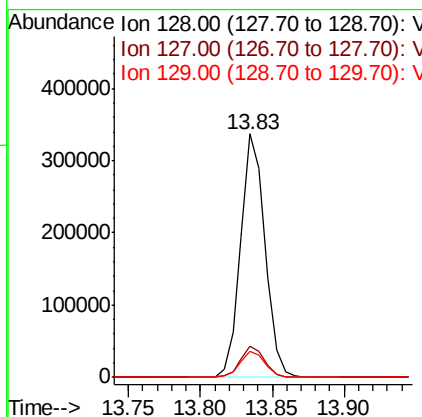
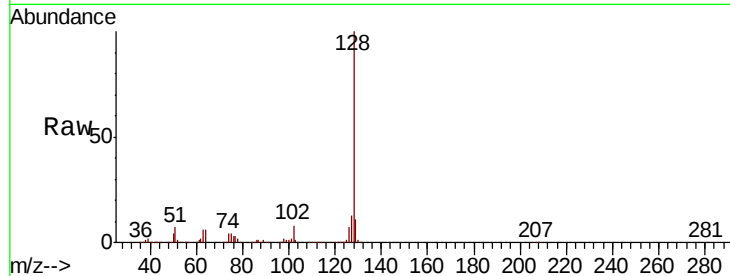
#95
Naphthalene
Concen: 20.26 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX003904.D
Acq: 08 Aug 2018 03:11

Instrument :
MSVOA_X
ClientSampleId :
VX0807WBS03

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.9	8.8	13.2

Manual Integrations
APPROVED

sam
8/21/2018 4:31:47 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.57 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX003904.D
Acq: 08 Aug 2018 03:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	48.1	144.4
145	30.0	14.9	44.7

