

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082918\
 Data File : VX004305.D
 Acq On : 29 Aug 2018 21:37
 Operator : JC/MD
 Sample : VX0829WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829WBSD02

Manual Integrations
 APPROVED

MMDadoda
 8/30/2018 1:38:38 PM

Quant Time: Aug 30 06:45:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	212062	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	329247	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	312399	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	182146	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	160583	58.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.20%	
35) Dibromofluoromethane	5.50	113	136667	55.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.60%	
50) Toluene-d8	8.71	98	492320	53.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.50%	
62) 4-Bromofluorobenzene	11.14	95	183198	53.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	42923	17.48	ug/l	97
3) Chloromethane	1.32	50	59213	21.98	ug/l	99
4) Vinyl Chloride	1.40	62	57623	20.74	ug/l	100
5) Bromomethane	1.64	94	32261	22.44	ug/l	99
6) Chloroethane	1.71	64	40902	19.94	ug/l	97
7) Trichlorofluoromethane	1.92	101	72309	18.99	ug/l	97
8) Diethyl Ether	2.19	74	39550	24.26	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	41749	17.51	ug/l	100
10) Methyl Iodide	2.51	142	53038	22.29	ug/l	98
11) Tert butyl alcohol	3.07	59	86014	145.99	ug/l	100
12) 1,1-Dichloroethene	2.37	96	44594	19.85	ug/l	97
13) Acrolein	2.29	56	16011	112.72	ug/l	94
14) Allyl chloride	2.72	41	93149	22.57	ug/l	96
15) Acrylonitrile	3.15	53	192307	131.80	ug/l	99
16) Acetone	2.45	43	163299	141.22	ug/l	100
17) Carbon Disulfide	2.56	76	114088	18.79	ug/l	100
18) Methyl Acetate	2.78	43	134363	32.76	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	180046	24.32	ug/l	98
20) Methylene Chloride	2.85	84	62436	23.47	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	52514	21.12	ug/l	97
22) Diisopropyl ether	3.87	45	177958	23.09	ug/l	98
23) Vinyl Acetate	3.82	43	733073	117.36	ug/l	100
24) 1,1-Dichloroethane	3.70	63	105244	23.43	ug/l	98
25) 2-Butanone	4.71	43	250806	134.10	ug/l	100
26) 2,2-Dichloropropane	4.58	77	52783	14.98	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	63009	22.34	ug/l	96
28) Bromochloromethane	5.02	49	50416	25.36	ug/l	100
29) Tetrahydrofuran	5.16	42	158042	133.09	ug/l	99
30) Chloroform	5.21	83	104852	23.28	ug/l	98
31) Cyclohexane	5.57	56	64860	16.74	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	79080	21.06	ug/l	99
36) 1,1-Dichloropropene	5.80	75	67884	18.34	ug/l	98
37) Ethyl Acetate	4.86	43	88549	24.32	ug/l	99
38) Carbon Tetrachloride	5.78	117	66019	18.96	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	58289	13.79	ug/l	96
40) Benzene	6.14	78	236297	21.36	ug/l	99
41) Methacrylonitrile	5.06	41	49990	23.69	ug/l	97
42) 1,2-Dichloroethane	6.20	62	83691	22.18	ug/l	100
43) Isopropyl Acetate	6.47	43	129379	23.13	ug/l	99
44) Trichloroethene	7.21	130	60396	19.73	ug/l	93
45) 1,2-Dichloropropane	7.52	63	61980	22.39	ug/l	97
46) Dibromomethane	7.67	93	41571	22.55	ug/l	98
47) Bromodichloromethane	7.90	83	75621	22.05	ug/l	98
48) Methyl methacrylate	7.78	41	68057	22.74	ug/l	99
49) 1,4-Dioxane	7.76	88	34007	500.42	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	479161	117.89	ug/l	99
52) Toluene	8.79	92	147739	21.34	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	77020	20.33	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	84747	20.54	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	64354	23.03	ug/l	99
56) Ethyl methacrylate	9.18	69	82874	21.78	ug/l	99
57) 1,3-Dichloropropane	9.37	76	106271	22.56	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	225383	115.61	ug/l	99
59) 2-Hexanone	9.50	43	364867	117.67	ug/l	99
60) Dibromochloromethane	9.59	129	59369	21.80	ug/l	99
61) 1,2-Dibromoethane	9.68	107	63594	21.99	ug/l	97
64) Tetrachloroethene	9.34	164	60567	19.63	ug/l	99
65) Chlorobenzene	10.14	112	163273	20.82	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.23	131	56110	20.75	ug/l	98
67) Ethyl Benzene	10.26	91	240943	18.92	ug/l	98
68) m/p-Xylenes	10.36	106	201646	40.50	ug/l	99
69) o-Xylene	10.70	106	96818	20.56	ug/l	97
70) Styrene	10.71	104	166791	21.87	ug/l	99
71) Bromoform	10.86	173	46107	21.15	ug/l #	99
73) Isopropylbenzene	11.02	105	251433	21.02	ug/l	99
74) N-amyl acetate	10.90	43	103300	22.43	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	100864	24.09	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	91030m	24.57	ug/l	
77) Bromobenzene	11.26	156	75257	22.43	ug/l	98
78) n-propylbenzene	11.36	91	280998	20.42	ug/l	99
79) 2-Chlorotoluene	11.42	91	186216	21.99	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	214471	21.65	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	22894	20.05	ug/l	93
82) 4-Chlorotoluene	11.51	91	216379	21.71	ug/l	98
83) tert-Butylbenzene	11.77	119	200260	20.09	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	221670	21.80	ug/l	100
85) sec-Butylbenzene	11.94	105	227675	19.24	ug/l	100
86) p-Isopropyltoluene	12.07	119	198257	18.69	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	130765	20.70	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	128963	19.36	ug/l	98
89) n-Butylbenzene	12.39	91	143244	16.61	ug/l	99
90) Hexachloroethane	12.60	117	28749	19.39	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	124967	21.64	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	17528	23.77	ug/l	100

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ClientSampleId :
VX0829WBSD02

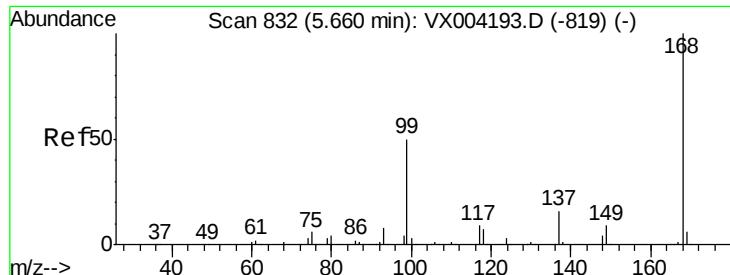
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	74039	17.62	ug/l	98
94) Hexachlorobutadiene	13.79	225	27514	13.98	ug/l	95
95) Naphthalene	13.83	128	240606	20.25	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	79743	17.93	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.00 min

Lab File: VX004305.D

Acq: 29 Aug 2018 21:37

Instrument :

MSVOA_X

ClientSampleId :

VX0829WBSD02

Tot Ion:168 Resp: 212062

Ion Ratio Lower Upper

168 100

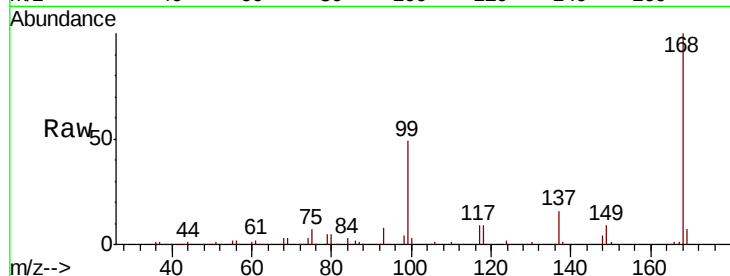
99 49.3 39.9 59.9

Manual Integrations

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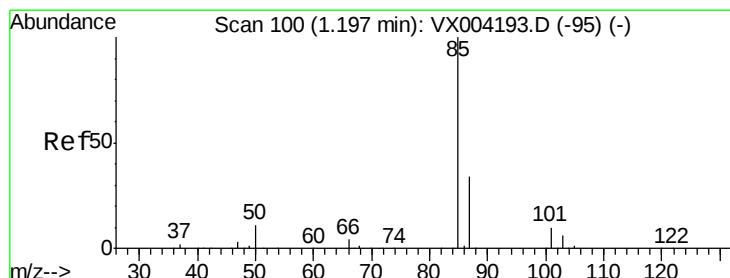
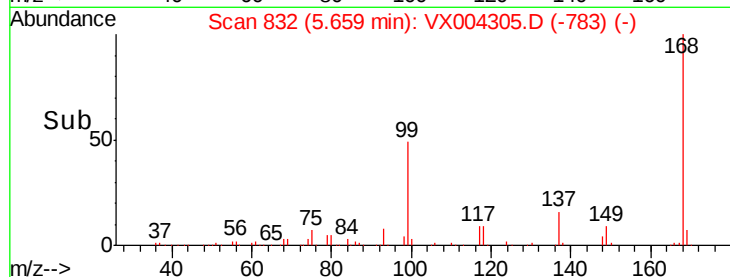
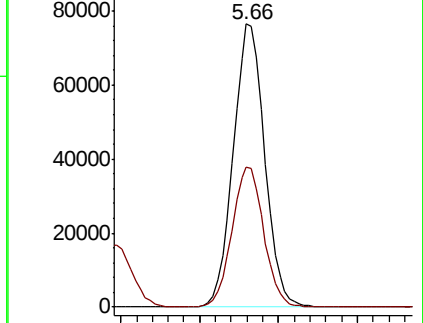
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 17.48 ug/l

RT: 1.19 min Scan# 99

Delta R.T. -0.01 min

Lab File: VX004305.D

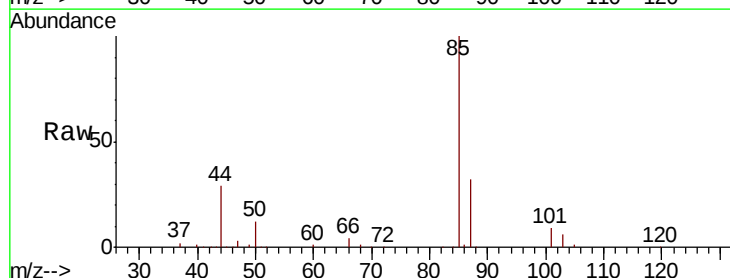
Acq: 29 Aug 2018 21:37

Tgt Ion: 85 Resp: 42923

Ion Ratio Lower Upper

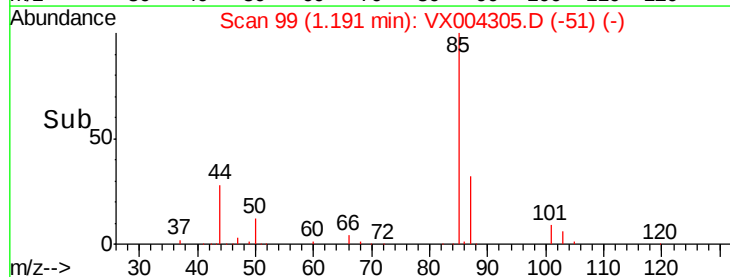
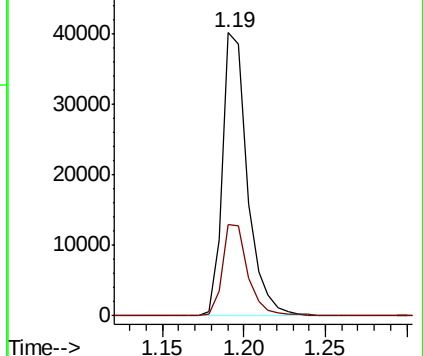
85 100

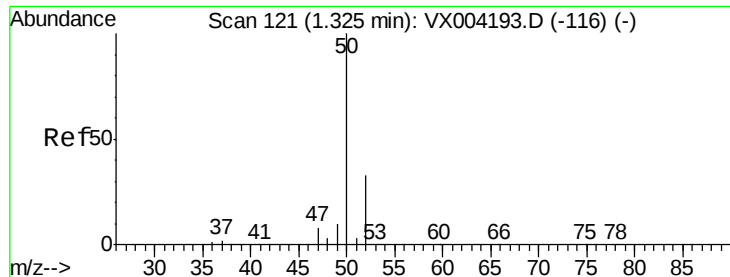
87 32.2 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 21.98 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX004305.D

Acq: 29 Aug 2018 21:37

Instrument :

MSVOA_X

ClientSampleId :

VX0829WBSD02

Tot Ion: 50 Resp: 59213

Ion Ratio Lower Upper

50 100

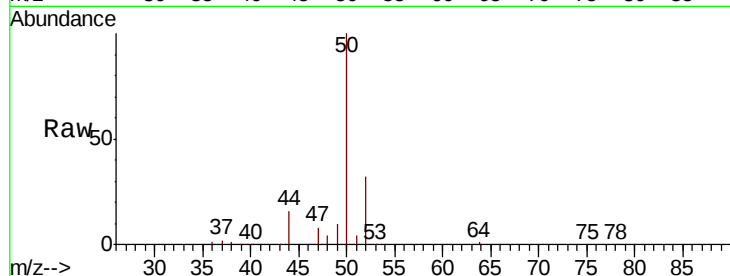
52 31.9 26.2 39.2

Manual Integrations

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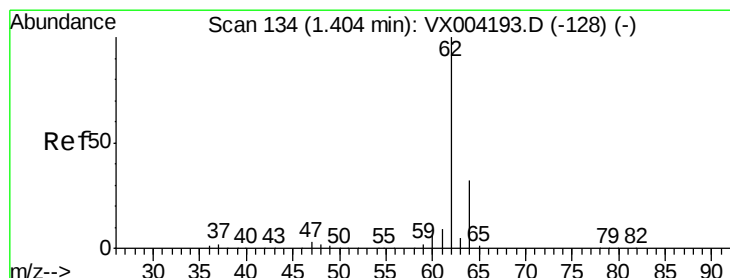
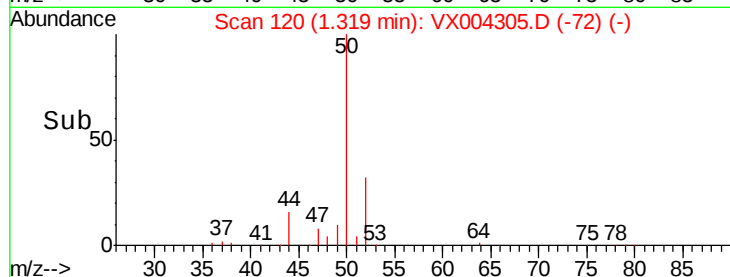
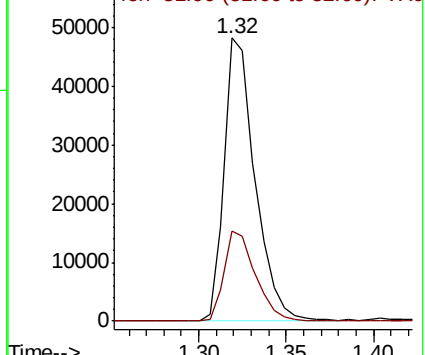
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 20.74 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004305.D

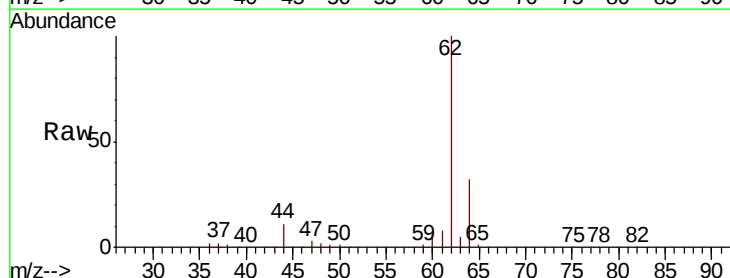
Acq: 29 Aug 2018 21:37

Tgt Ion: 62 Resp: 57623

Ion Ratio Lower Upper

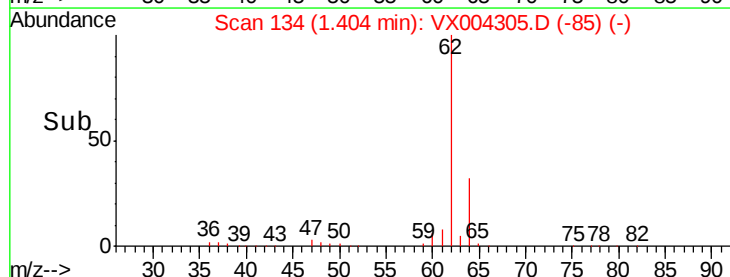
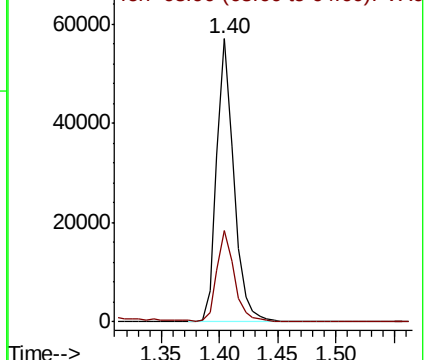
62 100

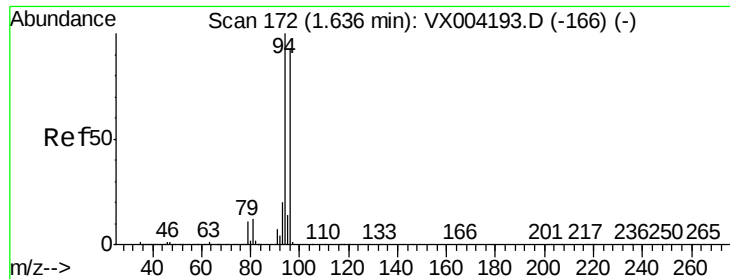
64 32.0 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 22.44 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004305.D

Acq: 29 Aug 2018 21:37

Instrument :

MSVOA_X

ClientSampleId :

VX0829WBSD02

Tot Ion: 94 Resp: 32261

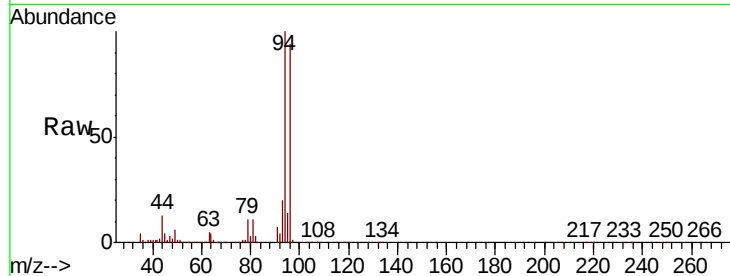
Ion Ratio Lower Upper

94 100

96 94.0 74.5 111.7

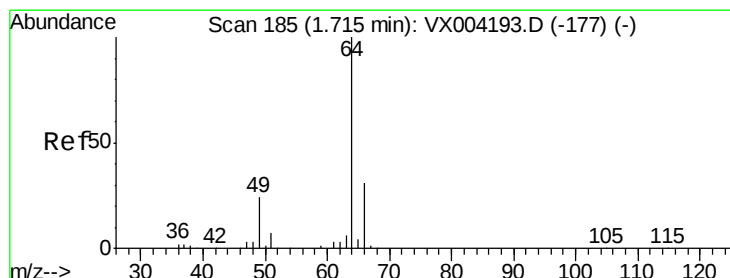
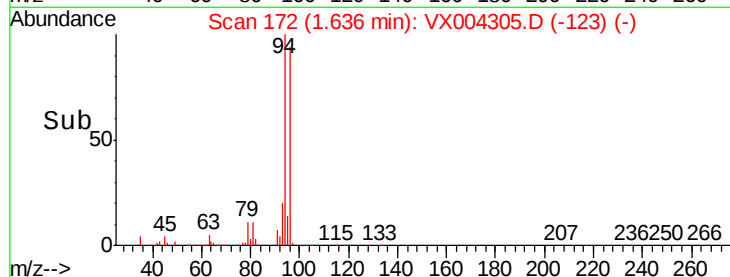
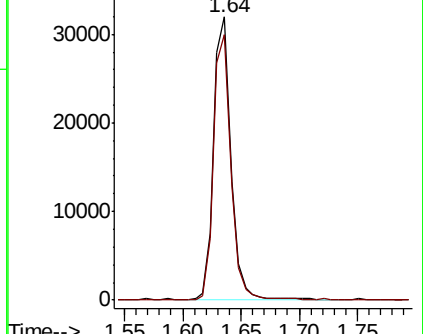
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 19.94 ug/l

RT: 1.71 min Scan# 185

Delta R.T. -0.00 min

Lab File: VX004305.D

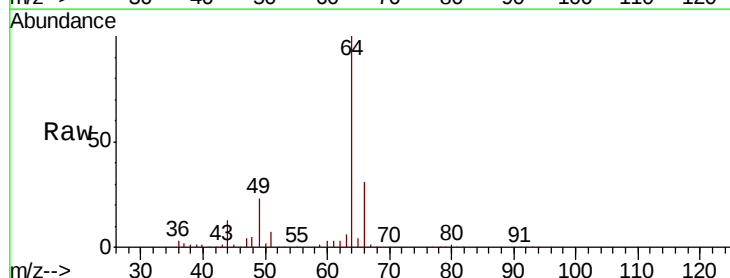
Acq: 29 Aug 2018 21:37

Tgt Ion: 64 Resp: 40902

Ion Ratio Lower Upper

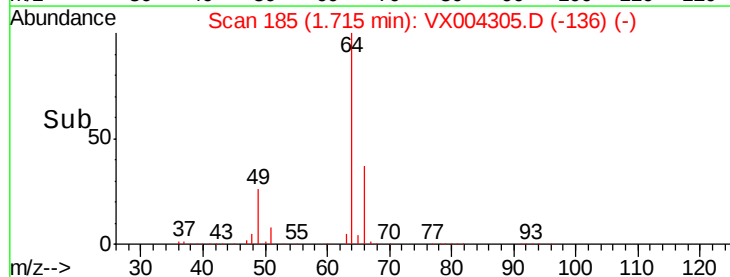
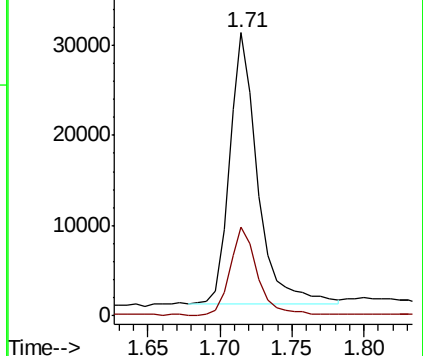
64 100

66 32.4 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

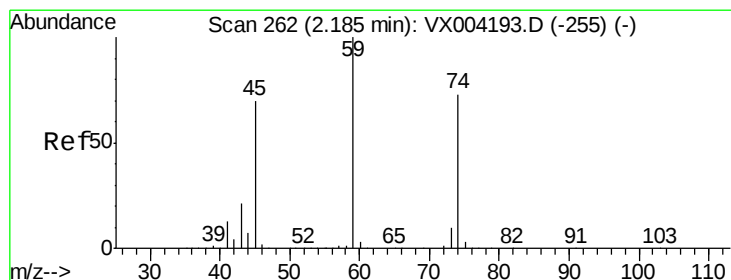
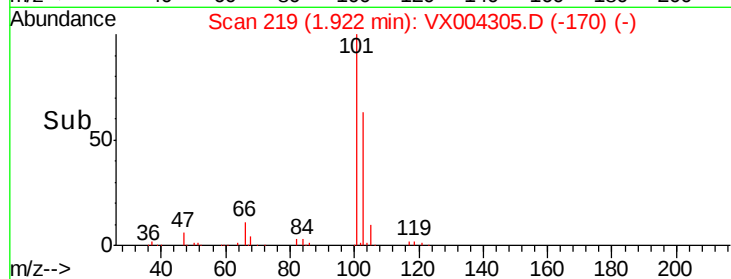
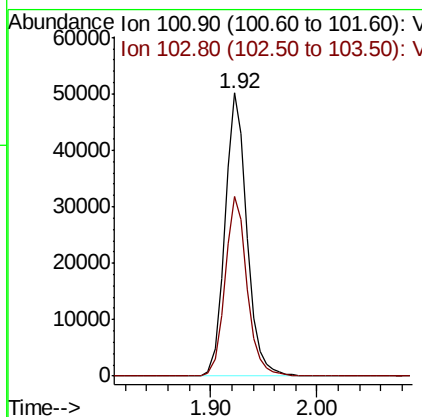
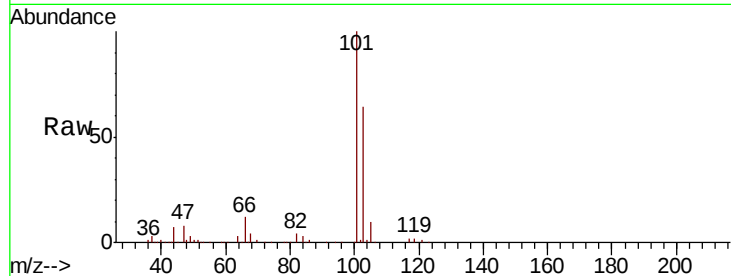
Trichlorofluoromethane
 Concen: 18.99 ug/l
 RT: 1.92 min Scan# 219
 Delta R.T. -0.00 min
 Lab File: VX004305.D
 Acq: 29 Aug 2018 21:37

Instrument :
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 VX0829WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		72309		
103	63.6	48.9	73.3		

Manual Integrations
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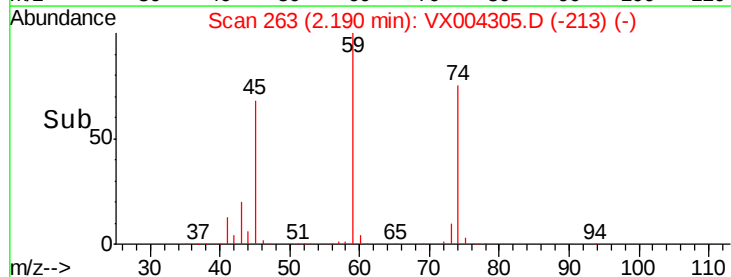
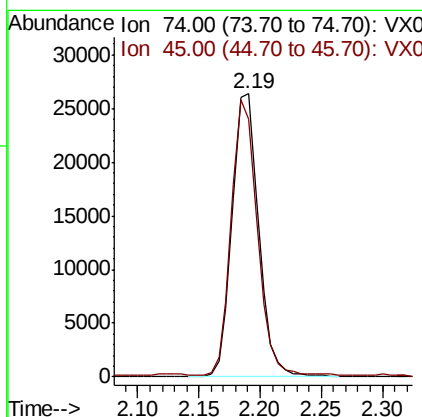
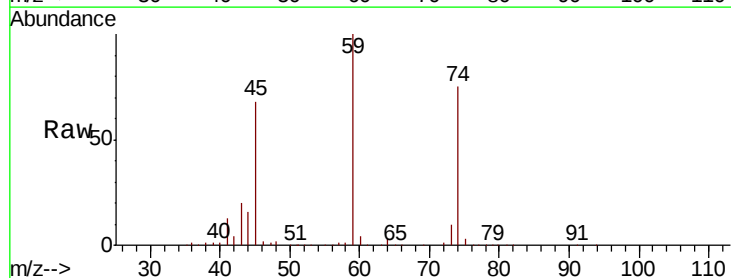
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 8/30/2018 1:38:38 PM

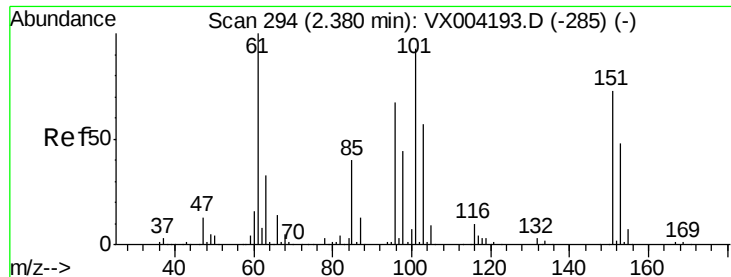


#8

Diethyl Ether
 Concen: 24.26 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.01 min
 Lab File: VX004305.D
 Acq: 29 Aug 2018 21:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		39550		
45	95.3	48.3	144.8		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.51 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.00 min

Lab File: VX004305.D

Acq: 29 Aug 2018 21:37

Instrument :

MSVOA_X

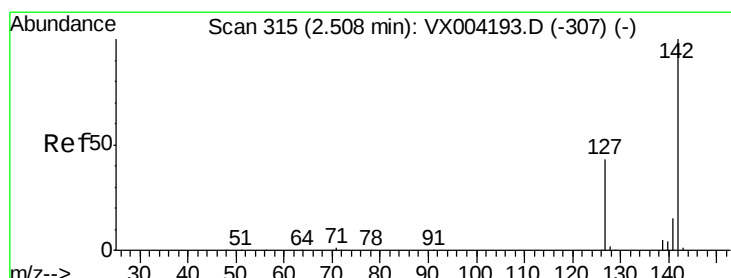
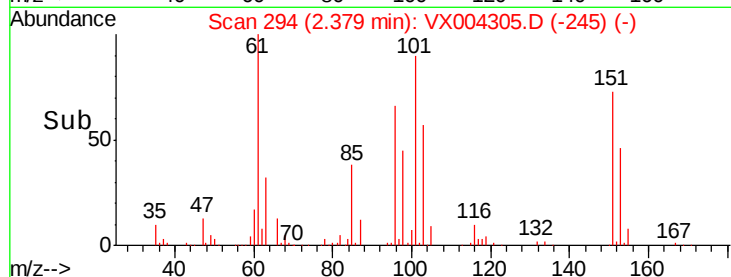
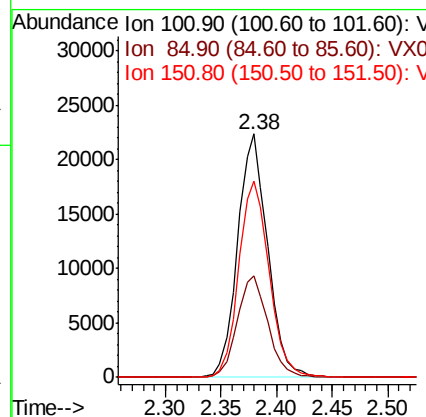
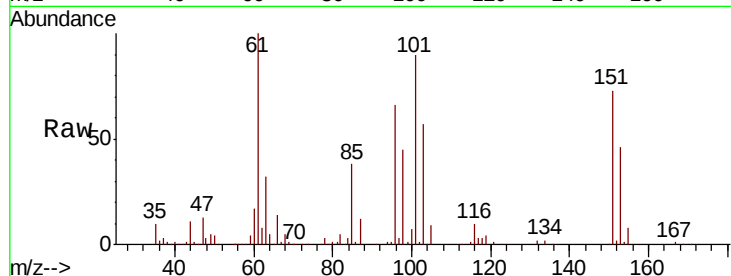
ClientSampleId :

VX0829WBSD02

Tot Ion:	101	Resp:	41749
Ion Ratio	Lower	Upper	
101	100		
85	42.6	34.2	51.4
151	81.8	65.0	97.6

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#10

Methyl Iodide

Concen: 22.29 ug/l

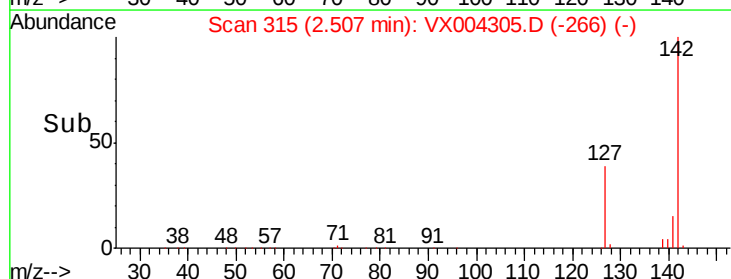
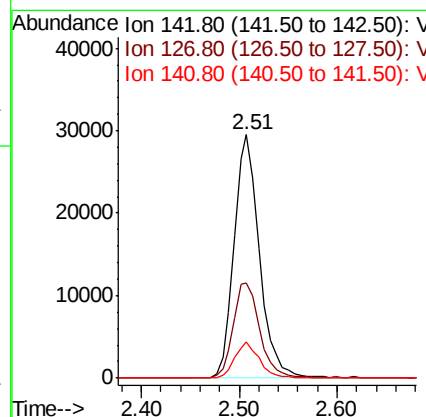
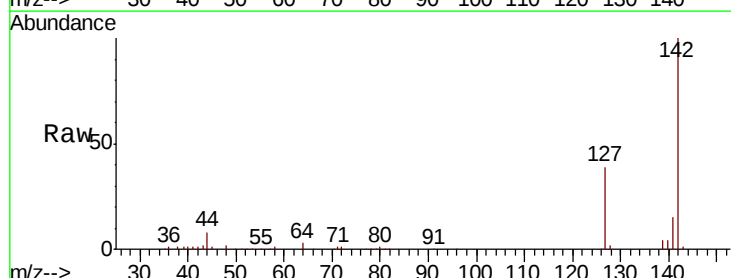
RT: 2.51 min Scan# 315

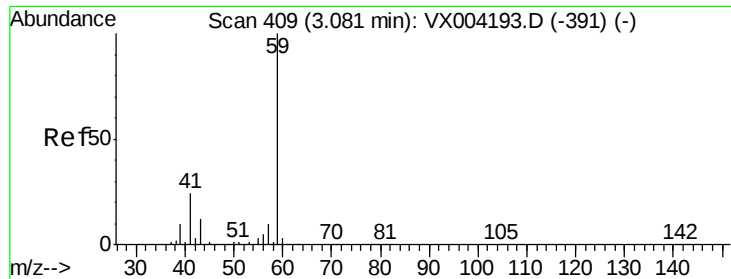
Delta R.T. 0.00 min

Lab File: VX004305.D

Acq: 29 Aug 2018 21:37

Tgt Ion:	142	Resp:	53038
Ion Ratio	Lower	Upper	
142	100		
127	40.9	33.8	50.6
141	14.2	11.4	17.0





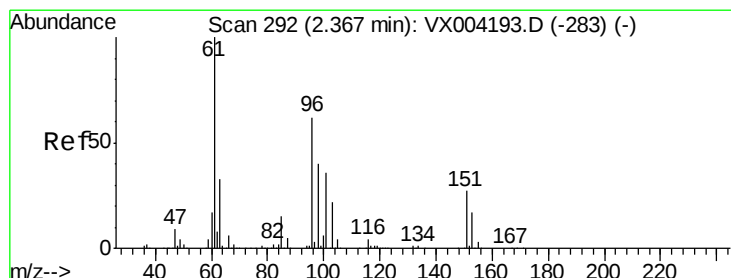
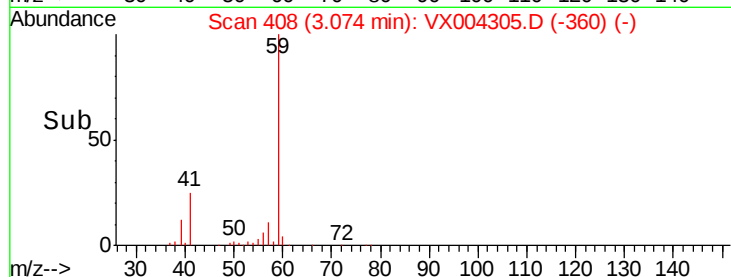
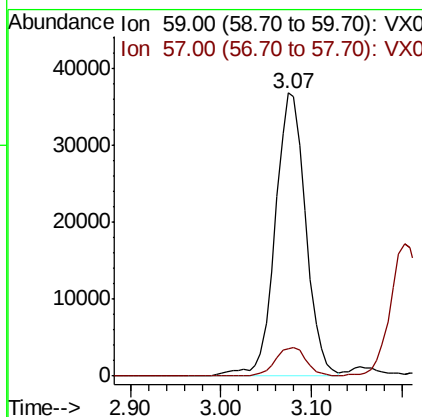
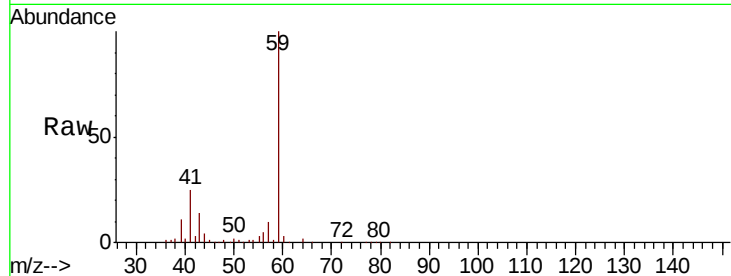
#11
Tert butyl alcohol
Concen: 145.99 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX004305.D
Acq: 29 Aug 2018 21:37

Instrument :
MSVOA_X
ClientSampleId :
VX0829WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.4

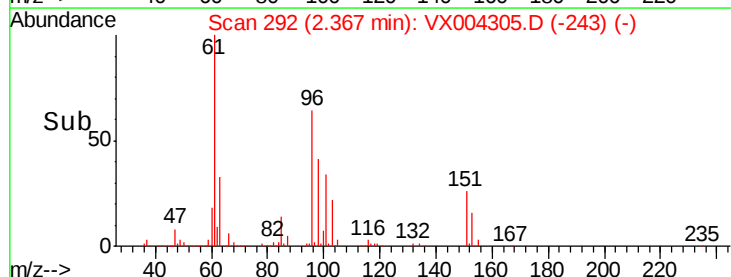
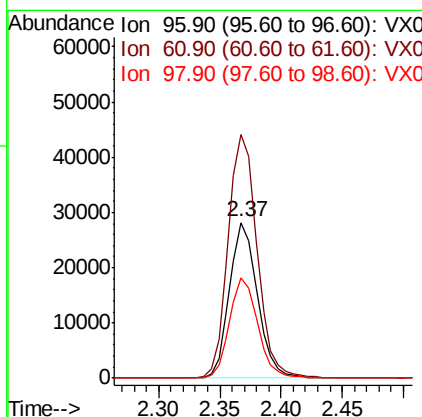
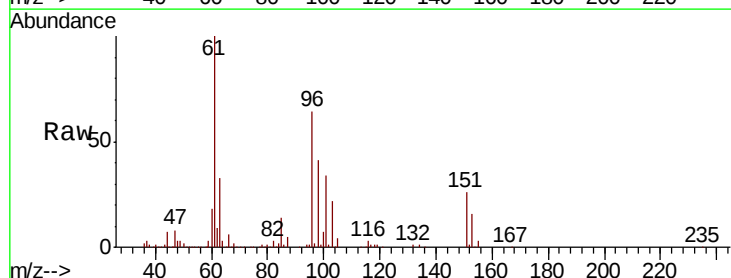
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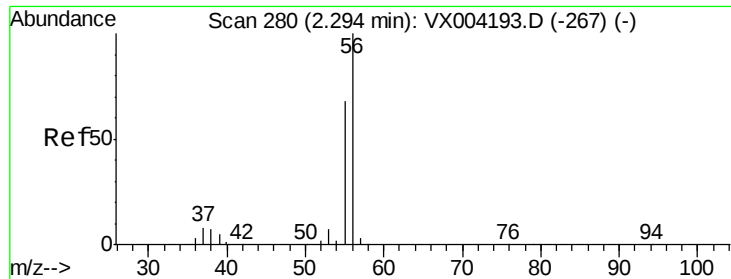
MMDadoda
8/30/2018 1:38:38 PM



#12
1,1-Dichloroethene
Concen: 19.85 ug/l
RT: 2.37 min Scan# 292
Delta R.T. -0.00 min
Lab File: VX004305.D
Acq: 29 Aug 2018 21:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.7	128.8	193.2
98	64.4	52.2	78.2





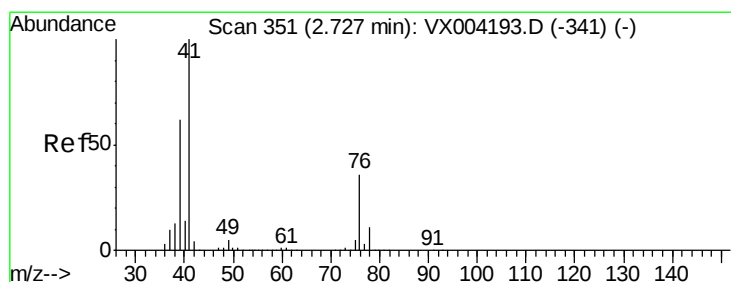
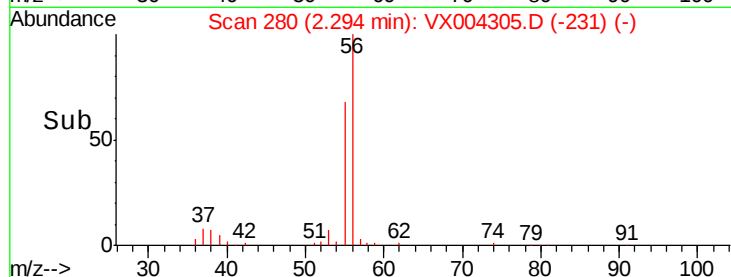
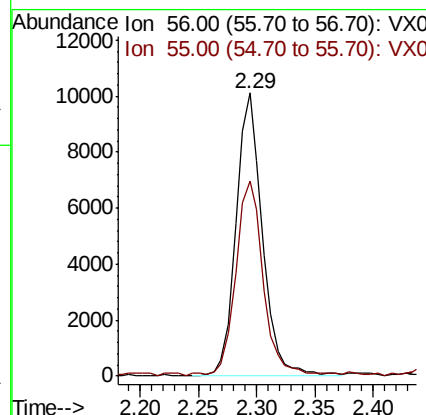
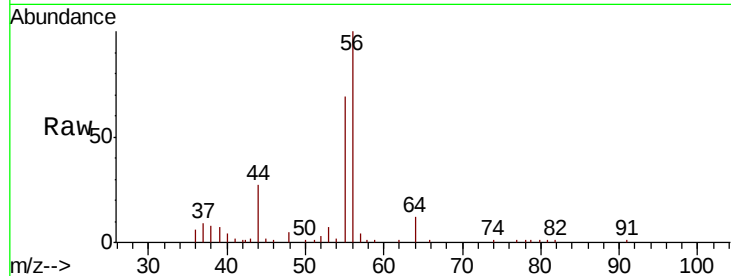
#13
Acrolein
Concen: 112.72 ug/l
RT: 2.29 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX004305.D
Acq: 29 Aug 2018 21:37

Instrument :
MSVOA_X
ClientSampleId :
VX0829WBSD02

Tot Ion	56	55	Ratio	Lower	Upper
16011	100	72.9		54.7	82.1

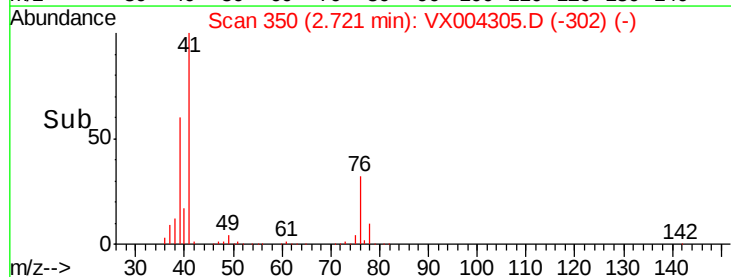
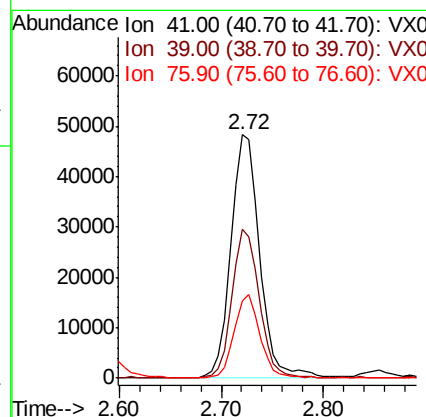
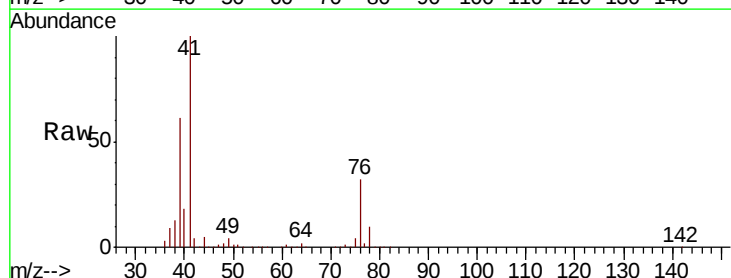
Manual Integrations
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#14
Allyl chloride
Concen: 22.57 ug/l
RT: 2.72 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX004305.D
Acq: 29 Aug 2018 21:37

Tgt Ion	41	39	76	Ratio	Lower	Upper
93149	100	57.8	31.1		48.9	73.3
					26.7	40.1





#15

Acrylonitrile

Concen: 131.80 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.00 min

Lab File: VX004305.D

Acq: 29 Aug 2018 21:37

Instrument :

MSVOA_X

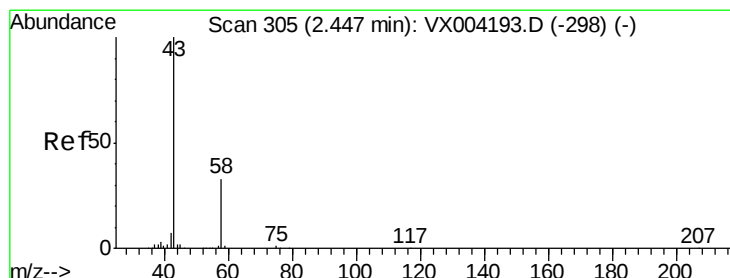
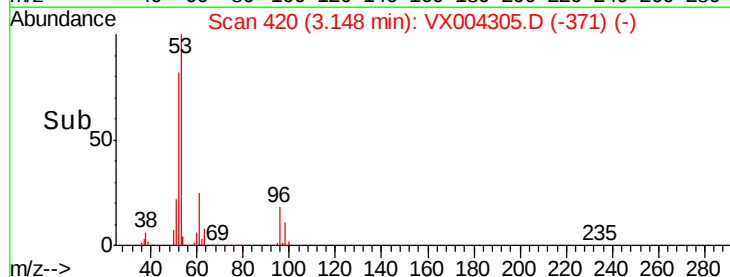
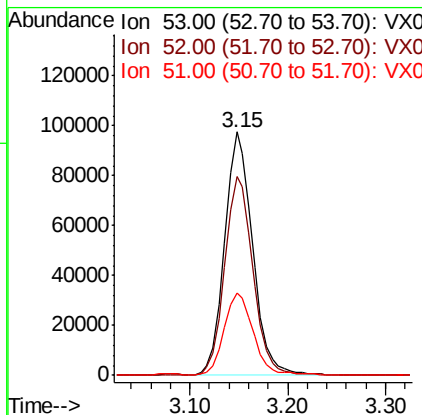
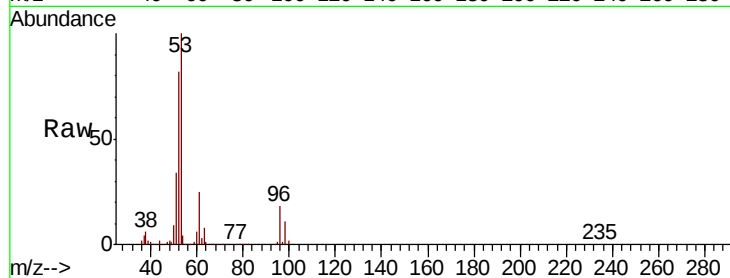
ClientSampleId :

VX0829WBSD02

Tot Ion:	53	Resp:	192307
Ion	Ratio	Lower	Upper
53	100		
52	82.7	65.2	97.8
51	35.5	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 141.22 ug/l

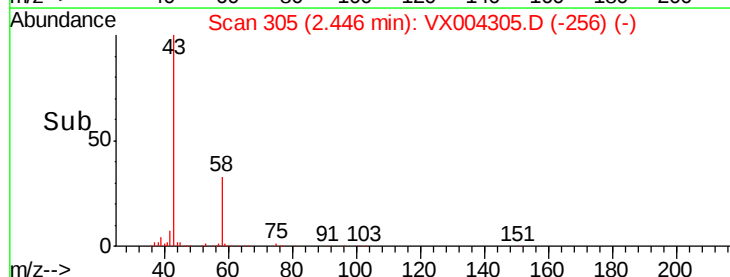
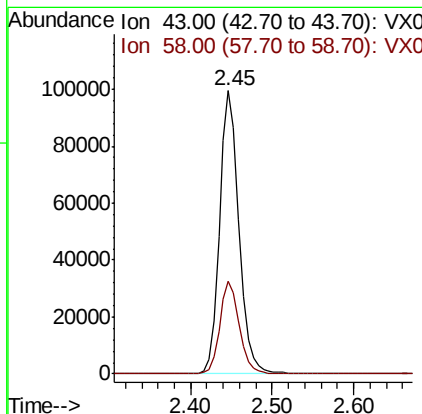
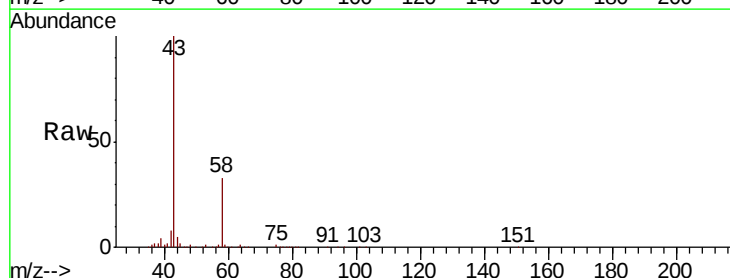
RT: 2.45 min Scan# 305

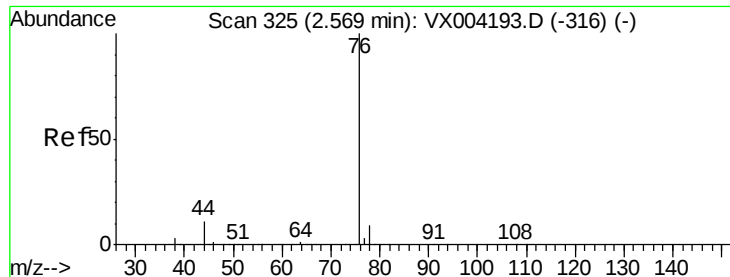
Delta R.T. 0.00 min

Lab File: VX004305.D

Acq: 29 Aug 2018 21:37

Tgt Ion:	43	Resp:	163299
Ion	Ratio	Lower	Upper
43	100		
58	32.6	26.2	39.4





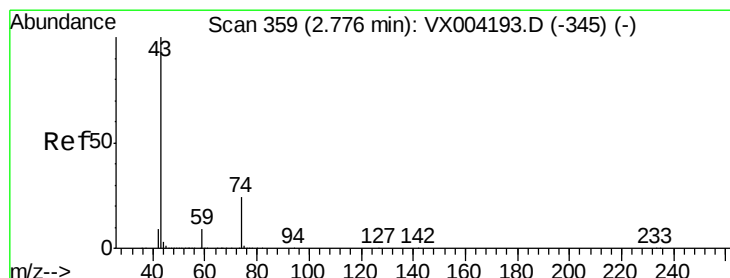
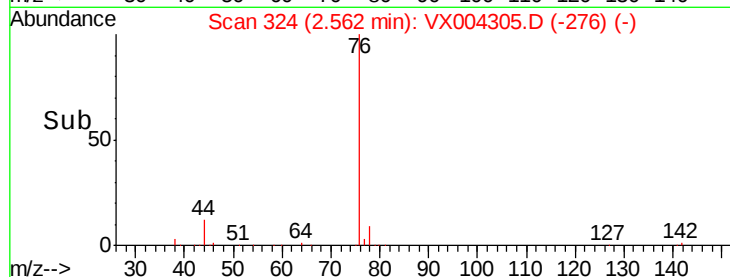
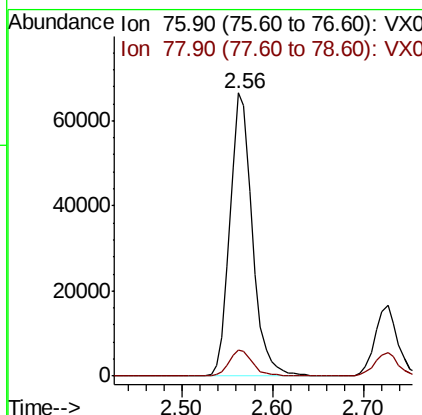
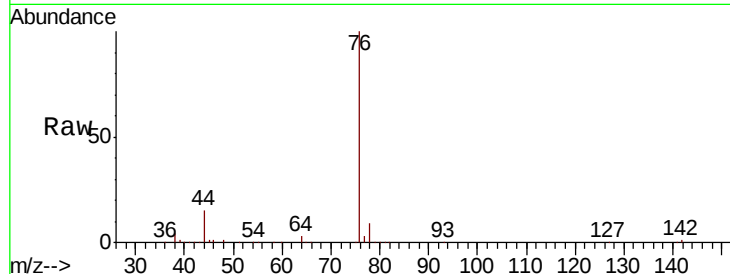
#17
Carbon Disulfide
Concen: 18.79 ug/l
RT: 2.56 min Scan# 324
Delta R.T. -0.01 min
Lab File: VX004305.D
Acq: 29 Aug 2018 21:37

Instrument :
MSVOA_X
ClientSampleId :
VX0829WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.0	10.6

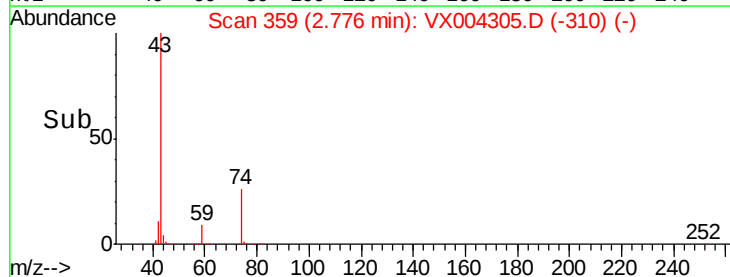
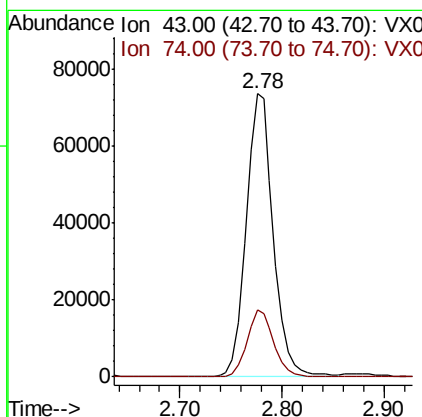
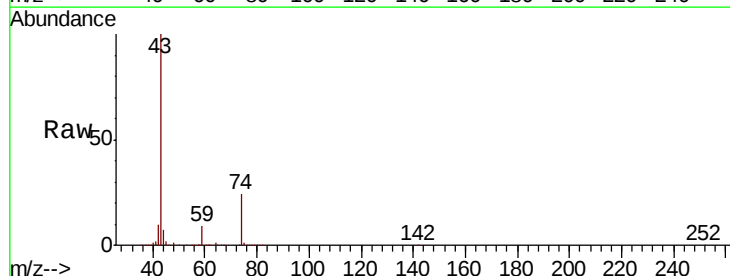
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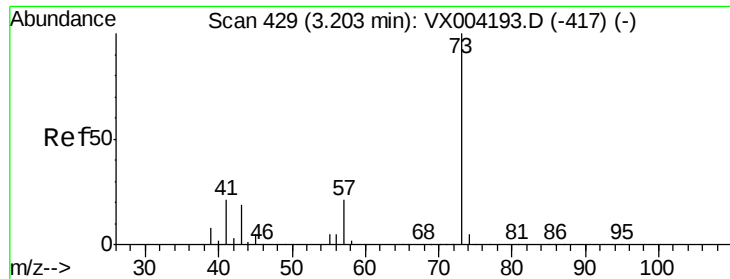
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#18
Methyl Acetate
Concen: 32.76 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.00 min
Lab File: VX004305.D
Acq: 29 Aug 2018 21:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	19.4	29.2





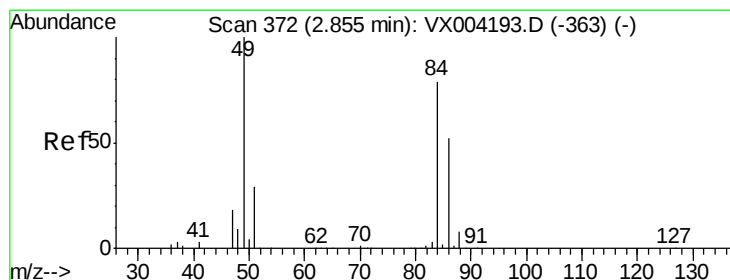
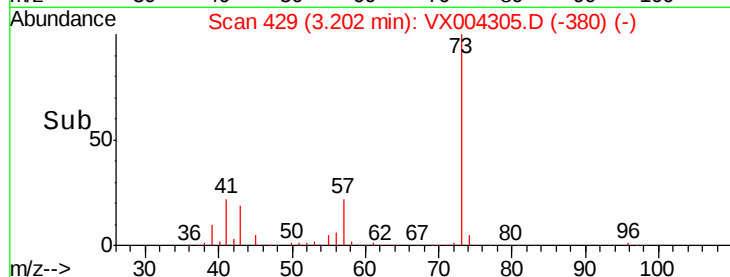
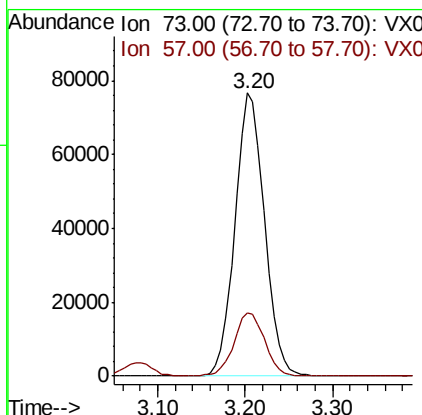
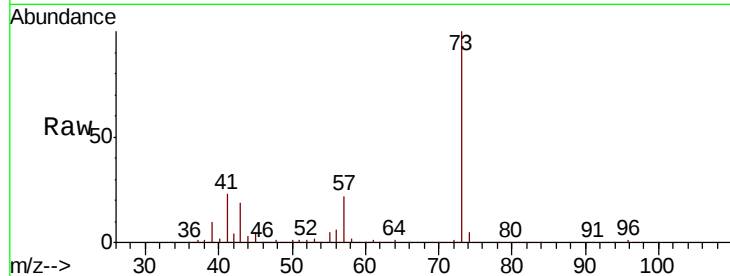
#19
Methvl tert-butvl Ether
Concen: 24.32 ug/l
RT: 3.20 min Scan# 429
Delta R.T. -0.00 min
Lab File: VX004305.D
Acq: 29 Aug 2018 21:37

Instrument :
MSVOA_X
ClientSampleId :
VX0829WBSD02

Tot Ion: 73 Resp: 180046
Ion Ratio Lower Upper
73 100
57 22.4 17.1 25.7

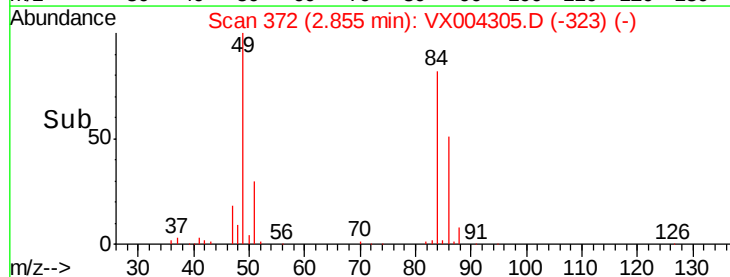
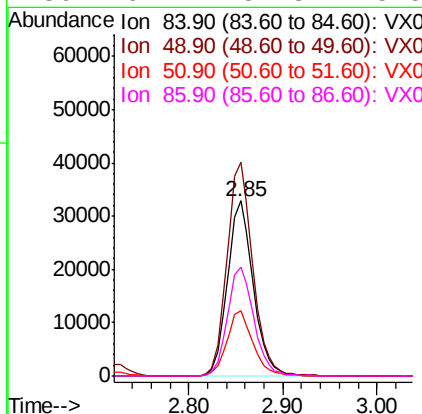
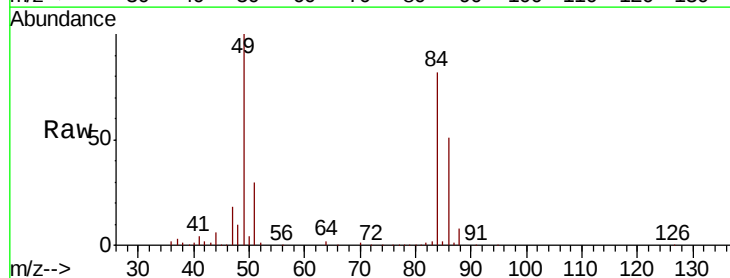
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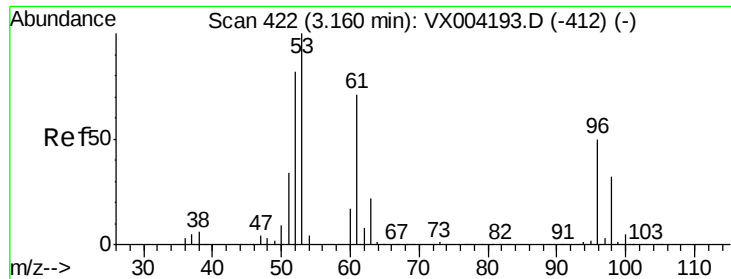
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#20
Methylene Chloride
Concen: 23.47 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.00 min
Lab File: VX004305.D
Acq: 29 Aug 2018 21:37

Tgt Ion: 84 Resp: 62436
Ion Ratio Lower Upper
84 100
49 122.2 101.2 151.8
51 37.1 29.5 44.3
86 62.4 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 21.12 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.00 min

Lab File: VX004305.D

Acq: 29 Aug 2018 21:37

Instrument :

MSVOA_X

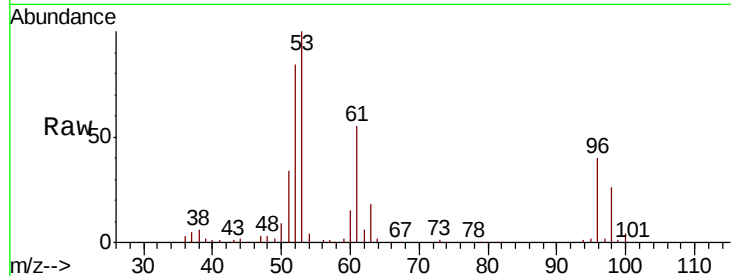
ClientSampleId :

VX0829WBSD02

Tot Ion:	96	Resp:	52514
Ion	Ratio	Lower	Upper
96	100		
61	138.0	113.8	170.6
98	65.2	51.8	77.8

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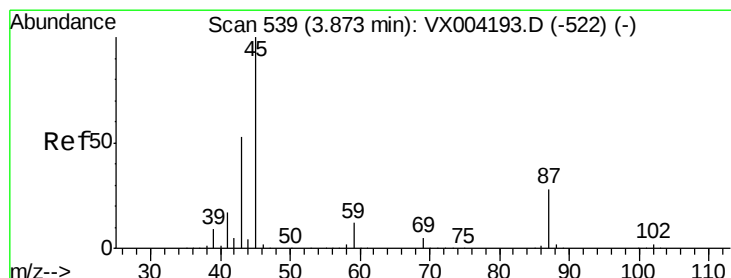
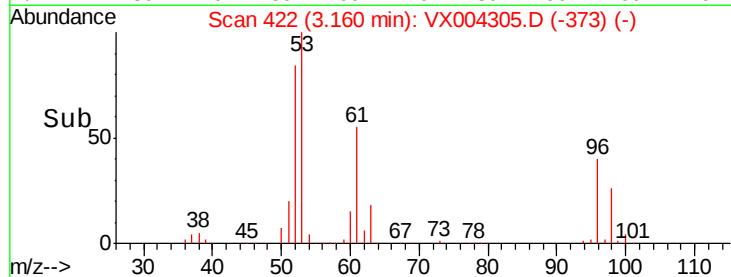
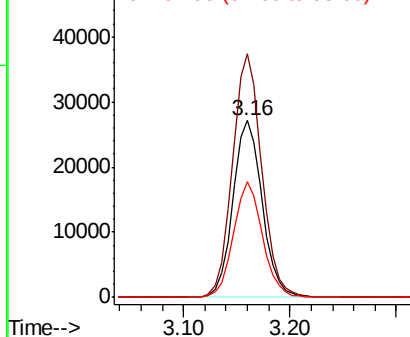


Abundance

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: 23.09 ug/l

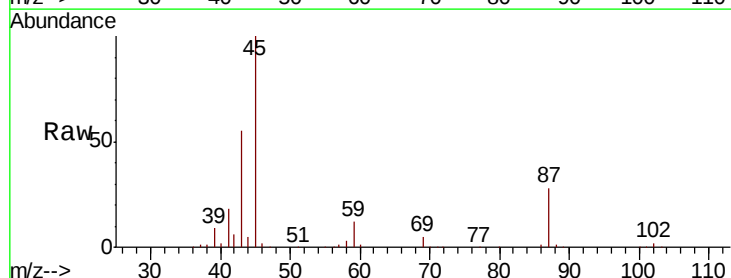
RT: 3.87 min Scan# 539

Delta R.T. -0.00 min

Lab File: VX004305.D

Acq: 29 Aug 2018 21:37

Tgt Ion:	45	Resp:	177958
Ion	Ratio	Lower	Upper
45	100		
43	55.0	42.8	64.2
87	27.6	22.6	34.0
59	11.9	9.6	14.4



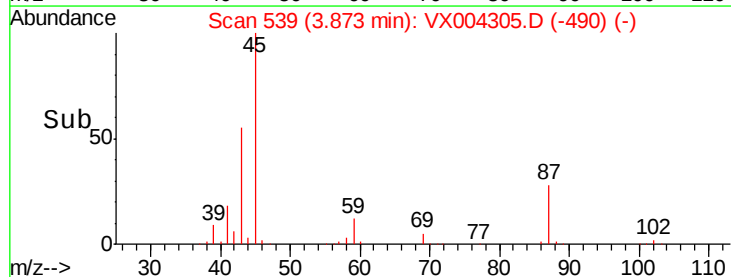
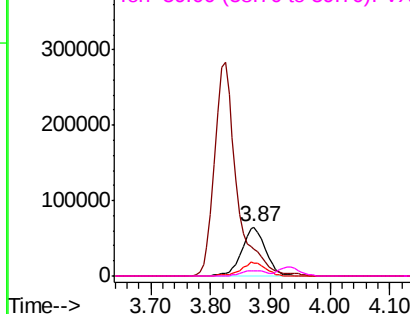
Abundance

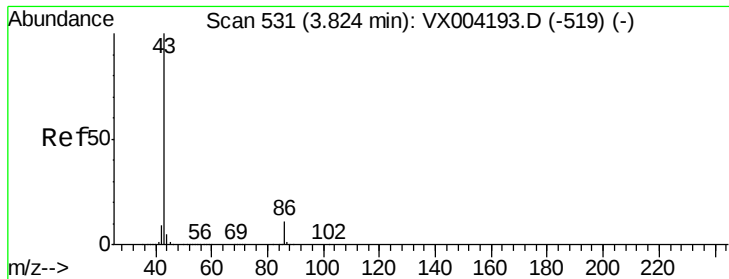
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 117.36 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.00 min

Lab File: VX004305.D

Acq: 29 Aug 2018 21:37

Instrument :

MSVOA_X

ClientSampleId :

VX0829WBSD02

Tot Ion: 43 Resp: 733073

Ion Ratio Lower Upper

43 100

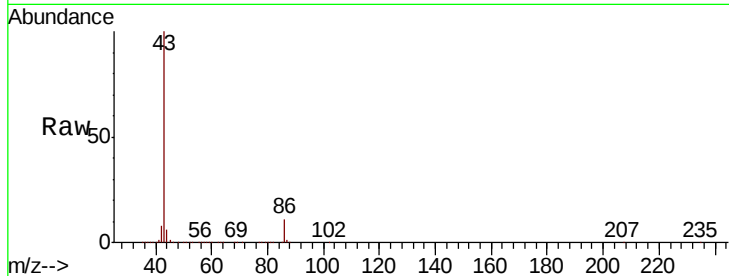
86 11.0 8.9 13.3

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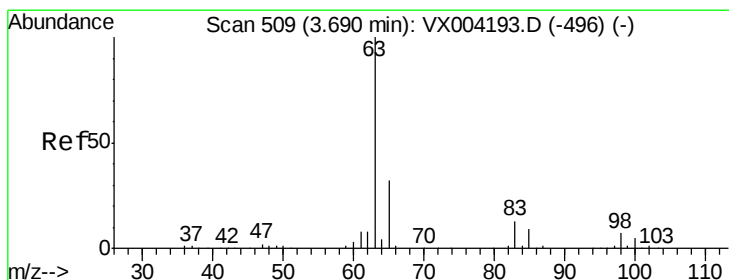
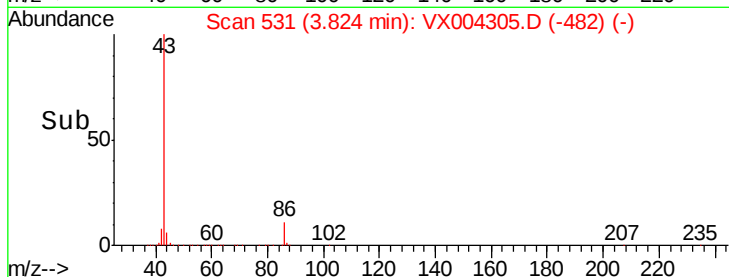
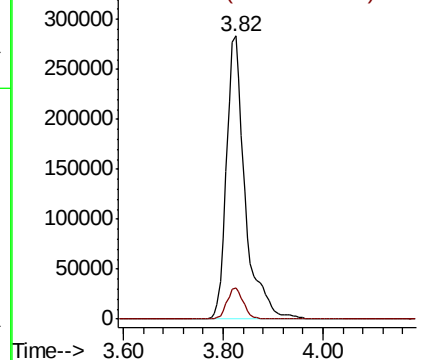
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 23.43 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.01 min

Lab File: VX004305.D

Acq: 29 Aug 2018 21:37

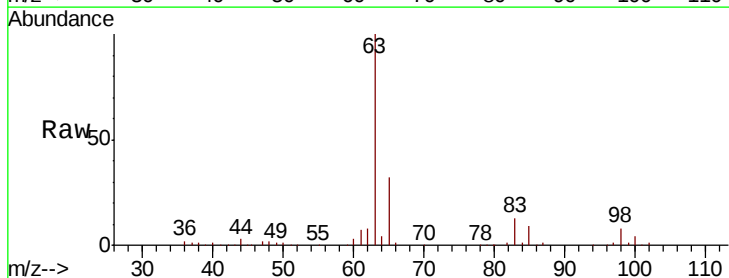
Tgt Ion: 63 Resp: 105244

Ion Ratio Lower Upper

63 100

98 7.6 3.5 10.4

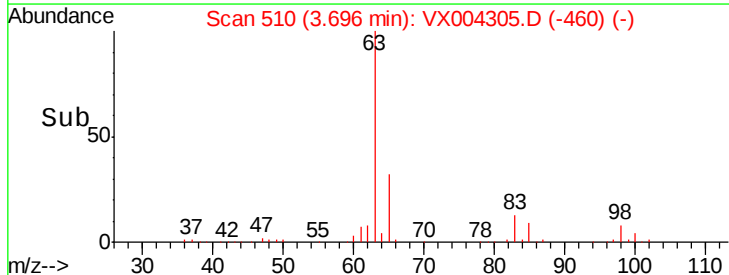
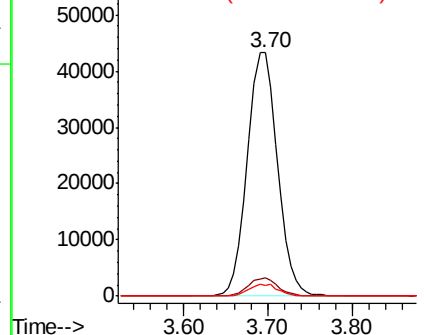
100 4.4 2.4 7.1

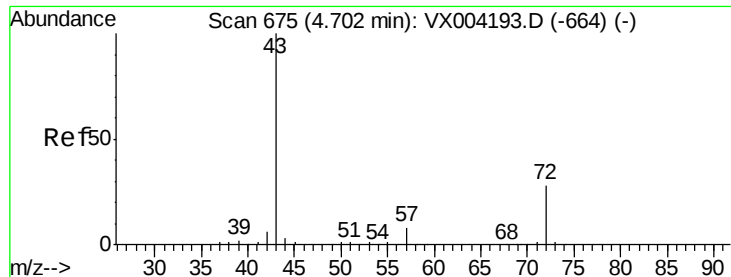


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 134.10 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX004305.D

Acq: 29 Aug 2018 21:37

Instrument :

MSVOA_X

ClientSampleId :

VX0829WBSD02

Tot Ion: 43 Resp: 250806

Ion Ratio Lower Upper

43 100

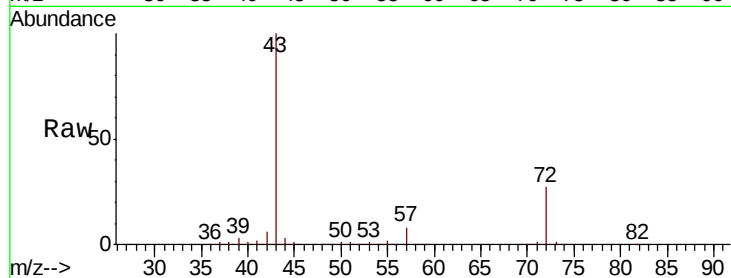
72 27.3 22.0 33.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

100000

80000

60000

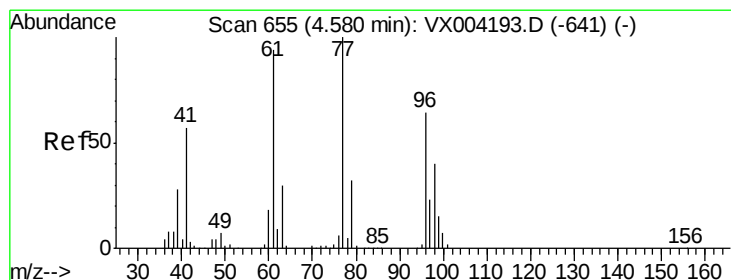
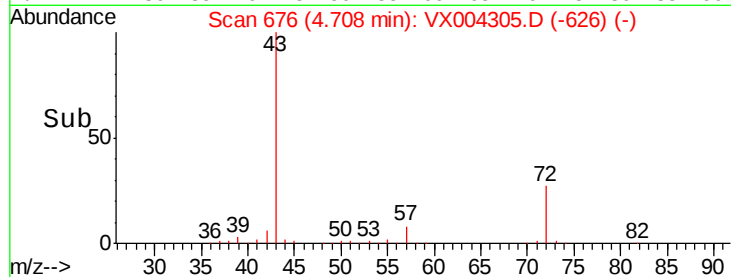
40000

20000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 14.98 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.00 min

Lab File: VX004305.D

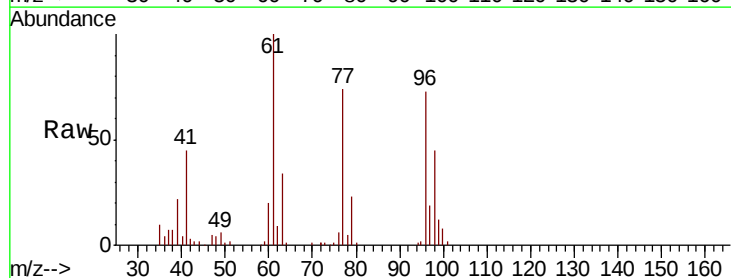
Acq: 29 Aug 2018 21:37

Tgt Ion: 77 Resp: 52783

Ion Ratio Lower Upper

77 100

97 24.8 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

20000

15000

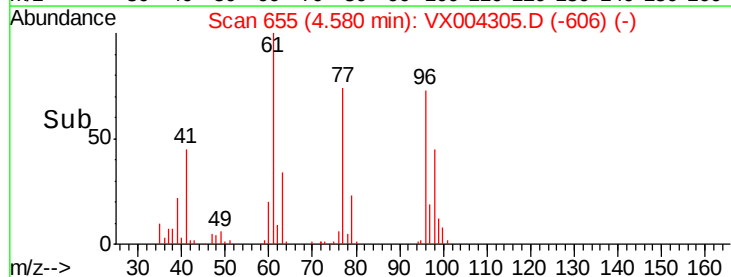
10000

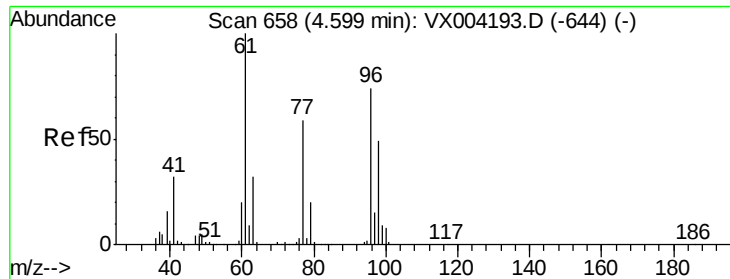
5000

0

4.50 4.60 4.70

Time-->





#27

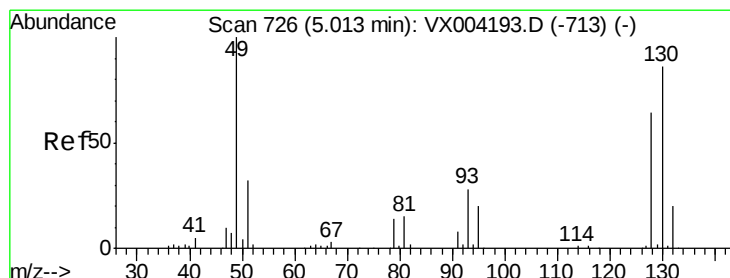
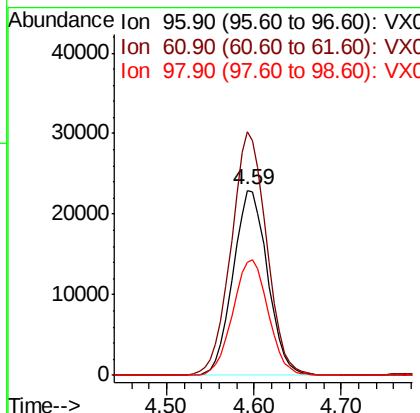
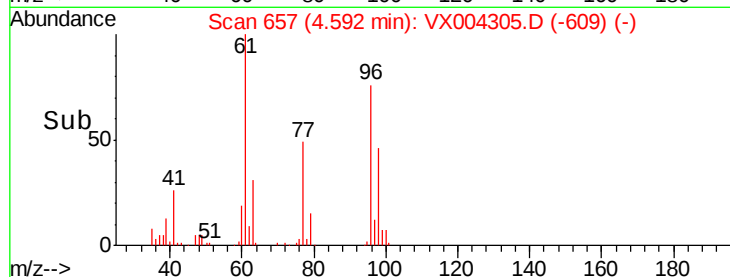
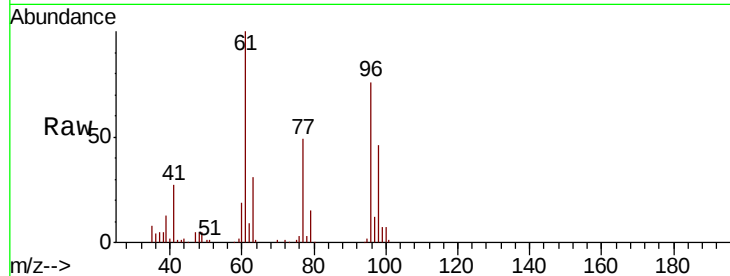
cis-1,2-Dichloroethene
Concen: 22.34 ug/l
RT: 4.59 min Scan# 657
Delta R.T. -0.01 min
Lab File: VX004305.D
Acq: 29 Aug 2018 21:37

Instrument :
MSVOA_X
ClientSampleId :
VX0829WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.1	0.0	282.6
98	64.0	0.0	130.2

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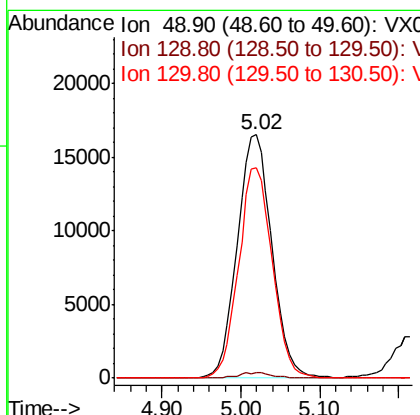
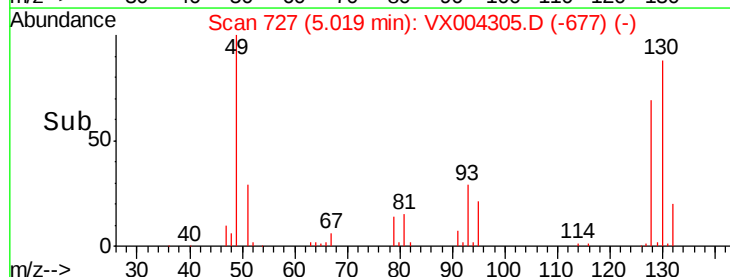
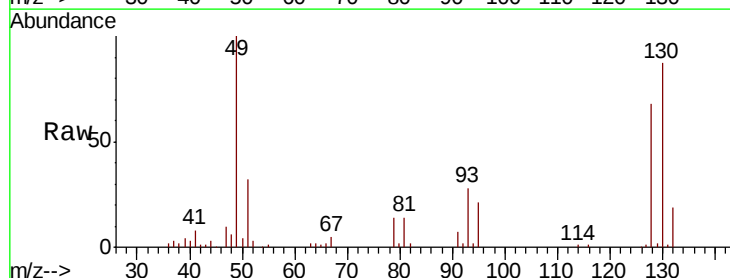
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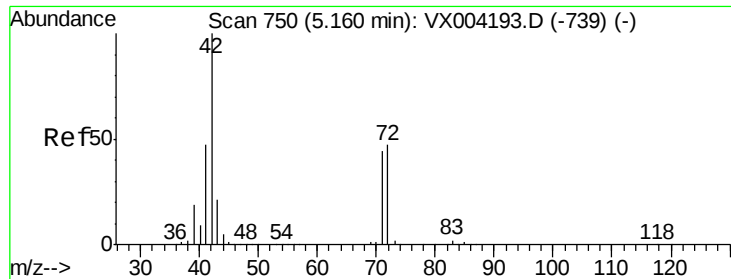


#28

Bromochloromethane
Concen: 25.36 ug/l
RT: 5.02 min Scan# 727
Delta R.T. 0.01 min
Lab File: VX004305.D
Acq: 29 Aug 2018 21:37

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	84.0	67.5	101.3





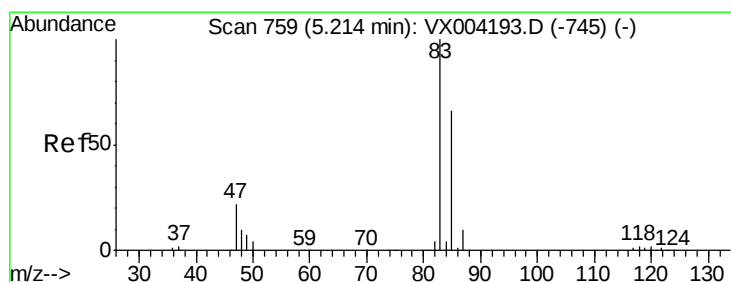
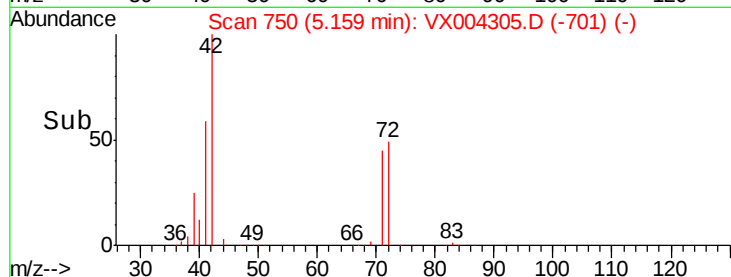
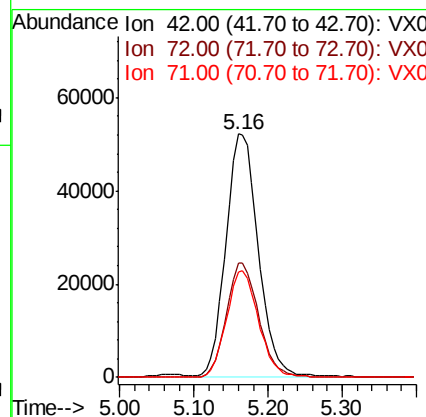
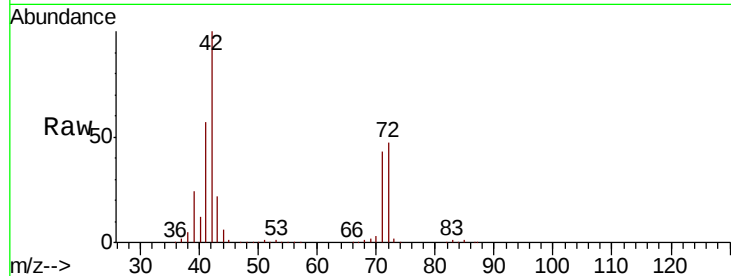
#29
Tetrahydrofuran
Concen: 133.09 ug/l
RT: 5.16 min Scan# 750
Delta R.T. -0.00 min
Lab File: VX004305.D
Acq: 29 Aug 2018 21:37

Instrument :
MSVOA_X
ClientSampleId :
VX0829WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.2	37.4	56.0
71	43.7	34.5	51.7

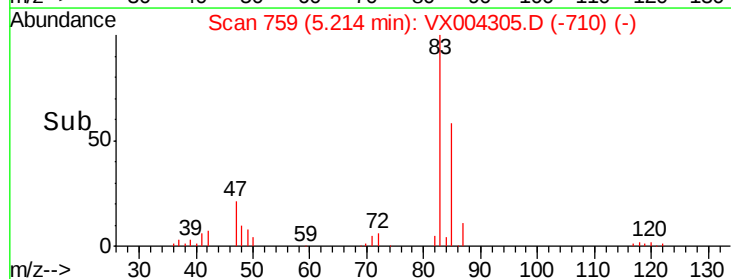
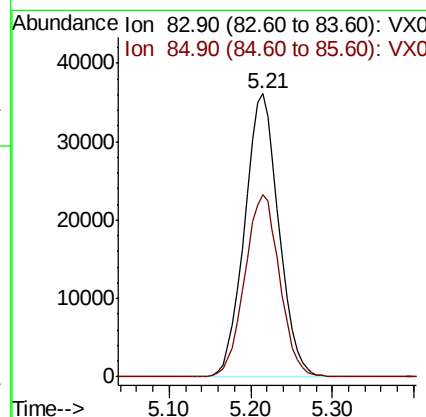
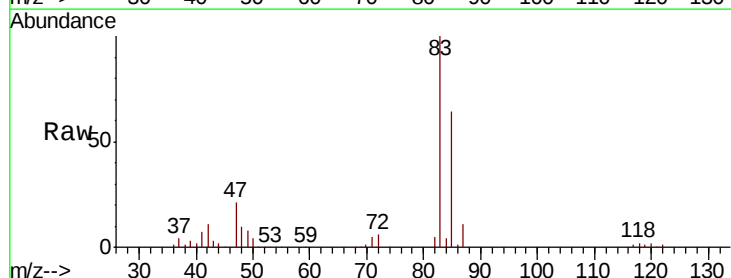
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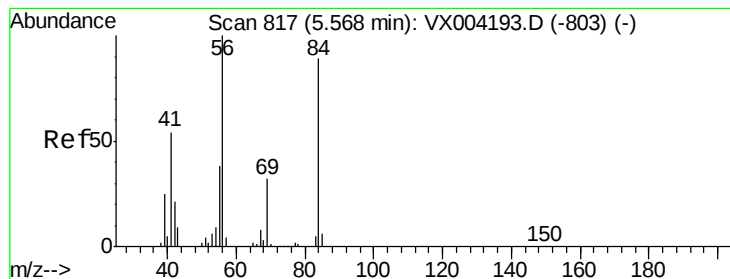
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#30
Chloroform
Concen: 23.28 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX004305.D
Acq: 29 Aug 2018 21:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.6	79.0





#31

Cyclohexane

Concen: 16.74 ug/l

RT: 5.57 min Scan# 817

Delta R.T. -0.00 min

Lab File: VX004305.D

Acq: 29 Aug 2018 21:37

Instrument :

MSVOA_X

ClientSampleId :

VX0829WBSD02

Tot Ion: 56 Resp: 64860

Ion Ratio Lower Upper

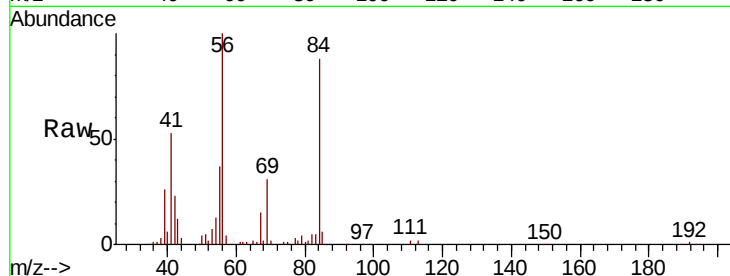
56 100

69 31.0 25.4 38.2

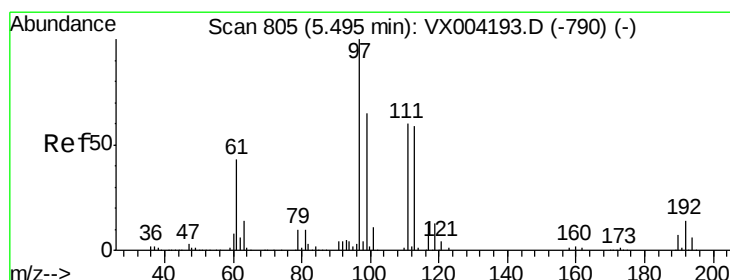
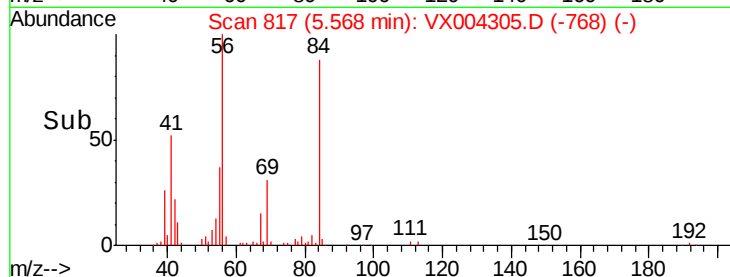
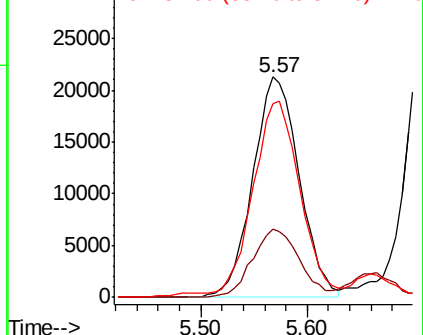
84 85.8 71.4 107.2

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Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 21.06 ug/l

RT: 5.49 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX004305.D

Acq: 29 Aug 2018 21:37

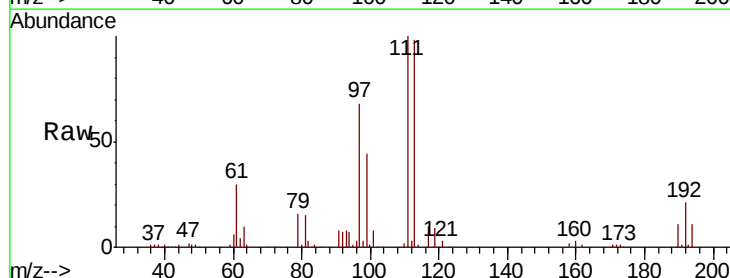
Tgt Ion: 97 Resp: 79080

Ion Ratio Lower Upper

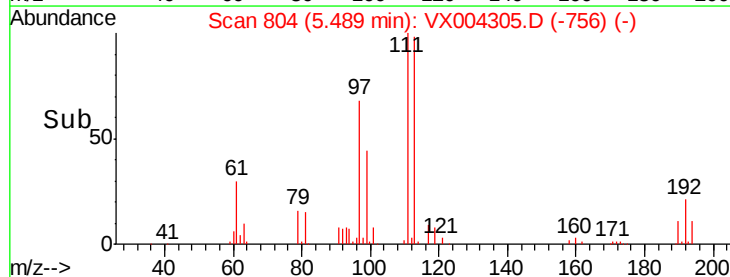
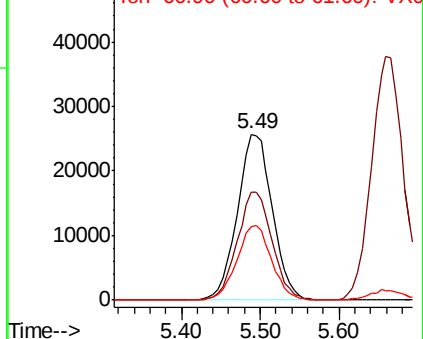
97 100

99 65.0 52.0 78.0

61 44.7 34.9 52.3



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0





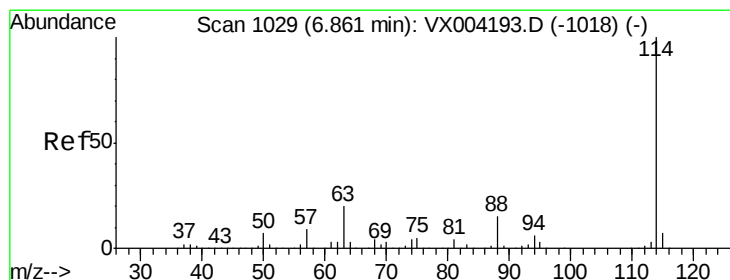
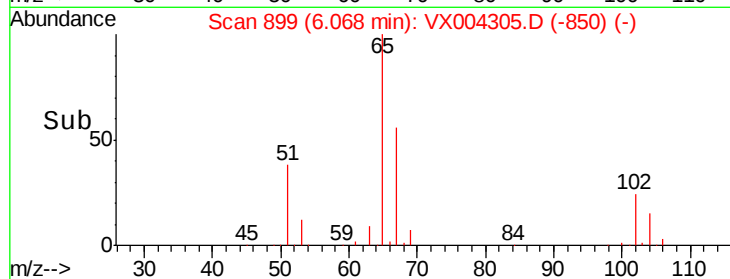
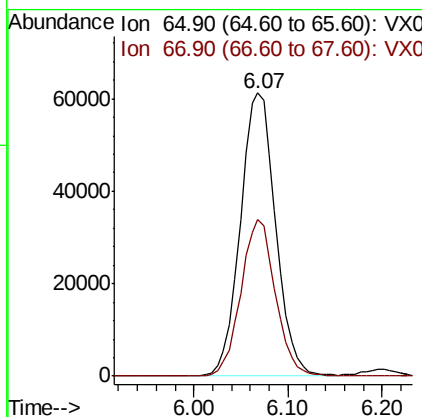
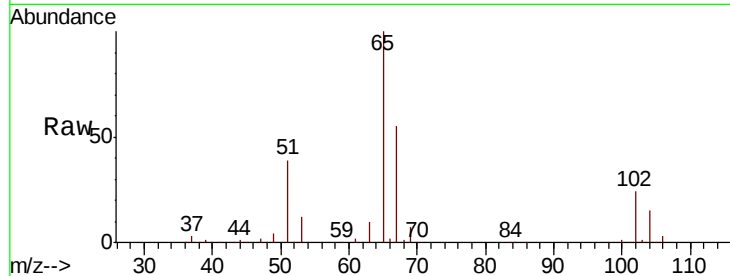
#33
 1,2-Dichloroethane-d4
 Concen: 58.10 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004305.D
 Acq: 29 Aug 2018 21:37

Instrument :
 MSVOA_X
 ClientSampled :
 VX0829WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	160583		
67	54.0	0.0	106.8	

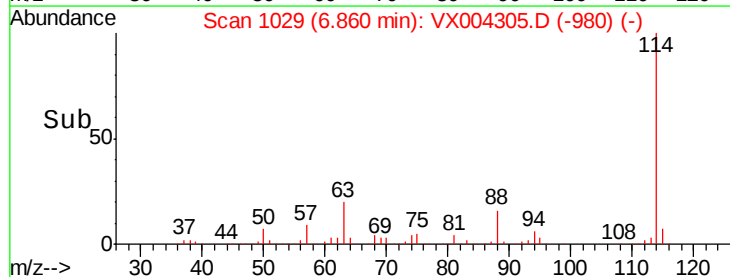
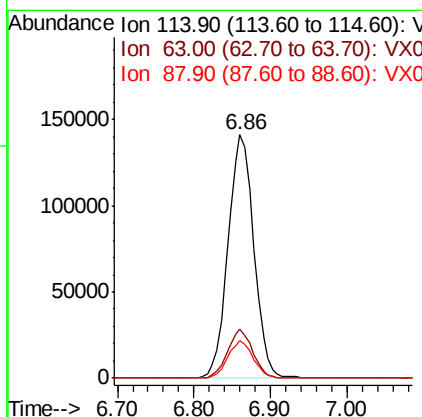
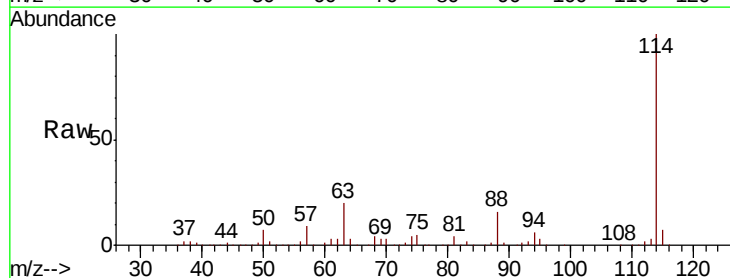
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX004305.D
 Acq: 29 Aug 2018 21:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	329247		
63	20.0	0.0	39.0	
88	15.6	0.0	30.4	





#35

Dibromofluoromethane

Concen: 55.80 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004305.D

Acq: 29 Aug 2018 21:37

Instrument :

MSVOA_X

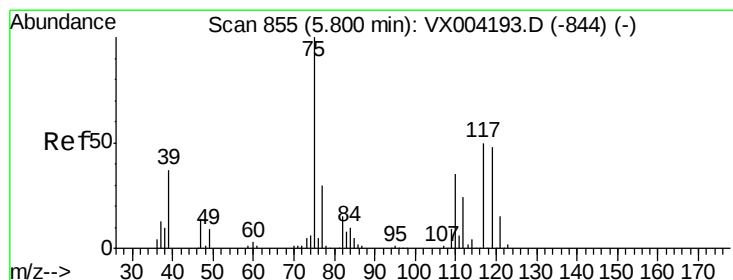
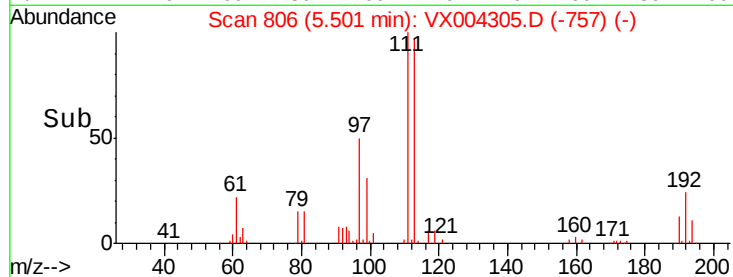
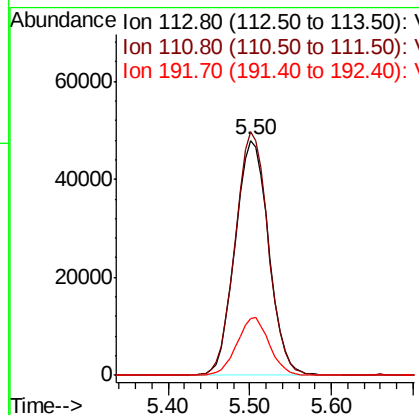
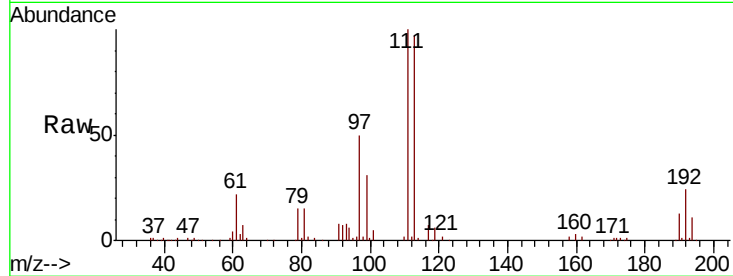
ClientSampleId :

VX0829WBSD02

Tot Ion:	113	Resp:	136667
Ion Ratio	Lower	Upper	
113	100		
111	102.0	82.4	123.6
192	23.6	19.4	29.2

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#36

1,1-Dichloropropene

Concen: 18.34 ug/l

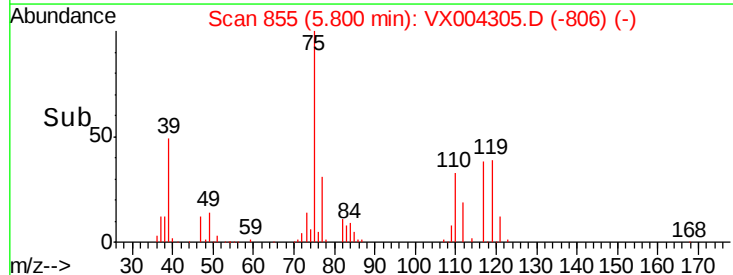
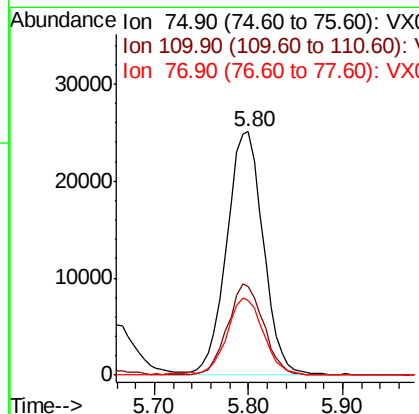
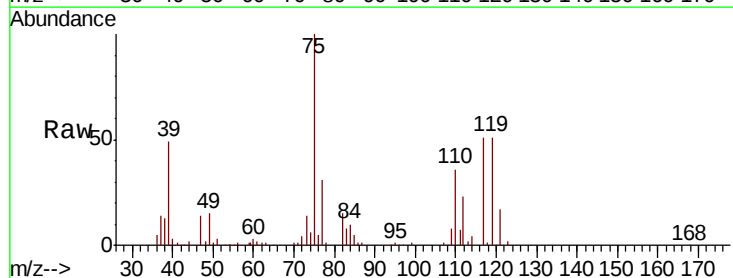
RT: 5.80 min Scan# 855

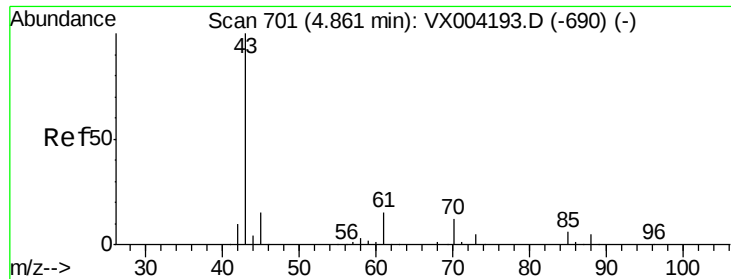
Delta R.T. -0.00 min

Lab File: VX004305.D

Acq: 29 Aug 2018 21:37

Tgt Ion:	75	Resp:	67884
Ion Ratio	Lower	Upper	
75	100		
110	36.7	18.0	54.0
77	32.1	24.6	36.8





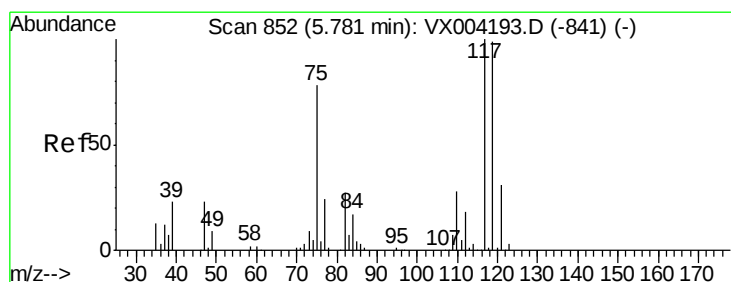
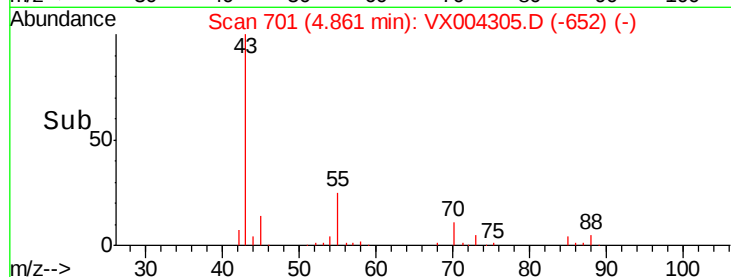
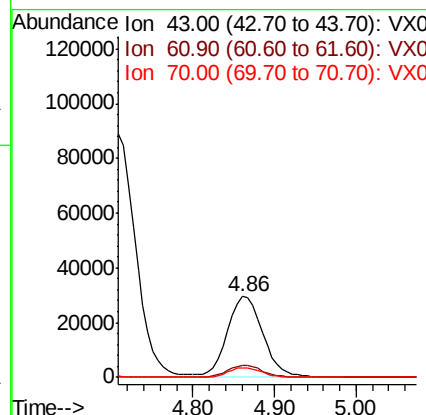
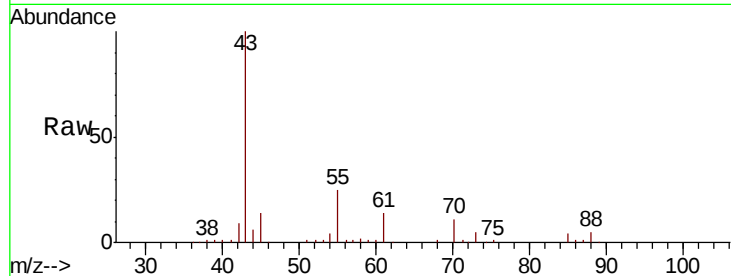
#37
Ethyl Acetate
Concen: 24.32 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.00 min
Lab File: VX004305.D
Acq: 29 Aug 2018 21:37

Instrument :
MSVOA_X
ClientSampleId :
VX0829WBSD02

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

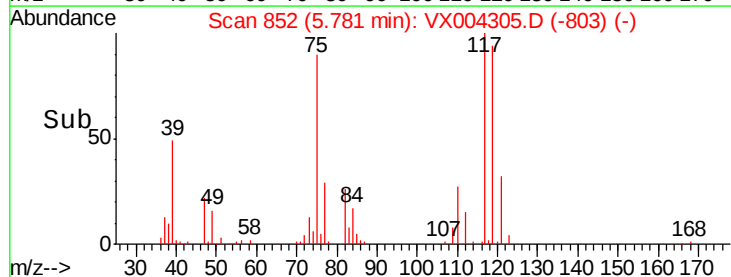
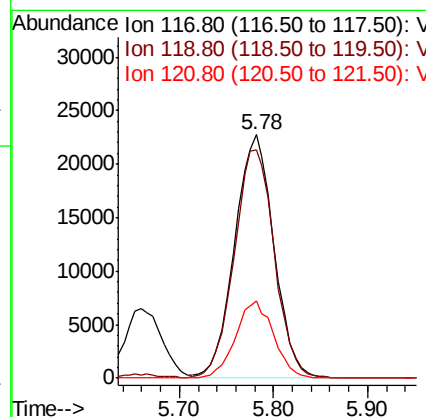
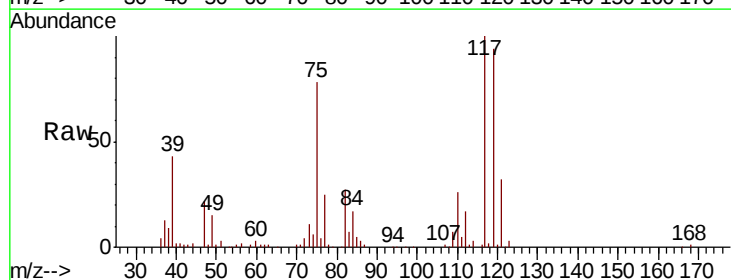
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#38
Carbon Tetrachloride
Concen: 18.96 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.00 min
Lab File: VX004305.D
Acq: 29 Aug 2018 21:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.6	78.8	118.2
121	31.8	24.9	37.3





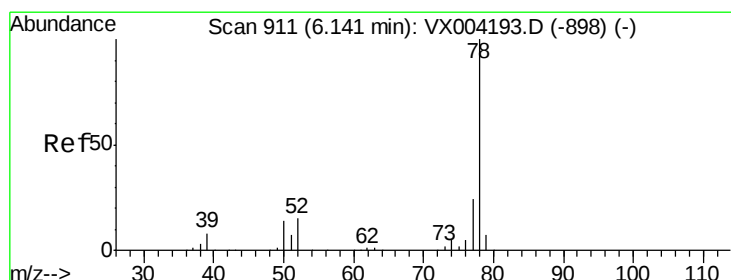
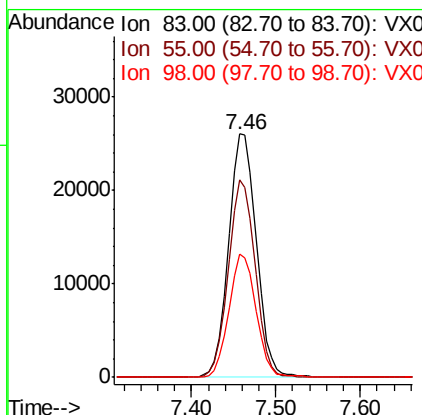
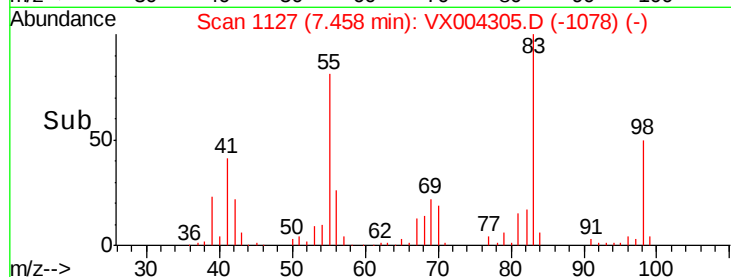
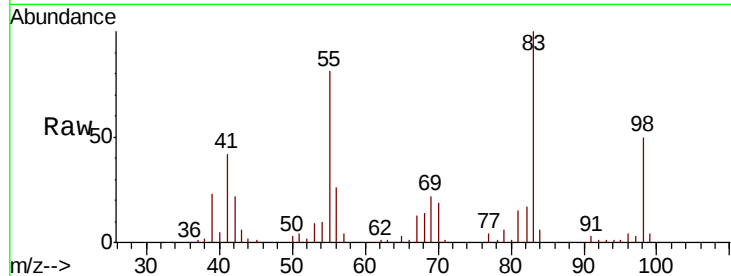
#39
Methvlcvclohexane
Concen: 13.79 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VX004305.D
Acq: 29 Aug 2018 21:37

Instrument :
MSVOA_X
ClientSampleId :
VX0829WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.2	61.0	91.4
98	50.5	39.6	59.4

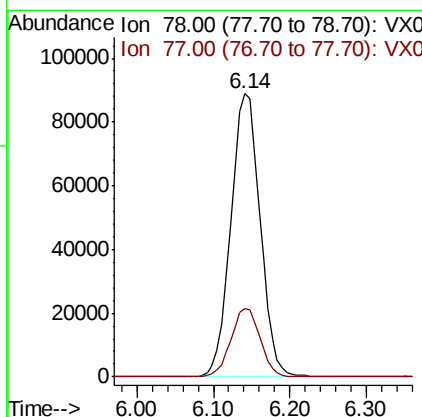
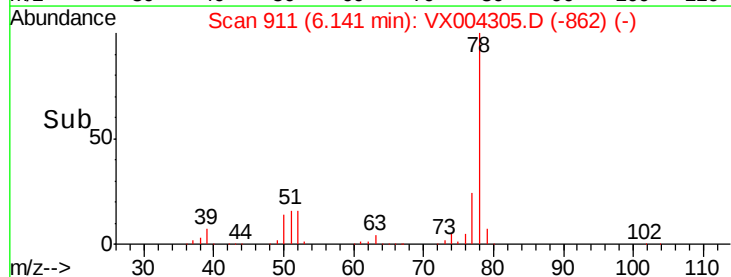
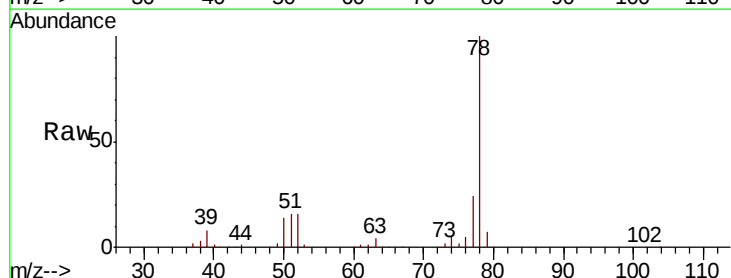
Manual Integrations
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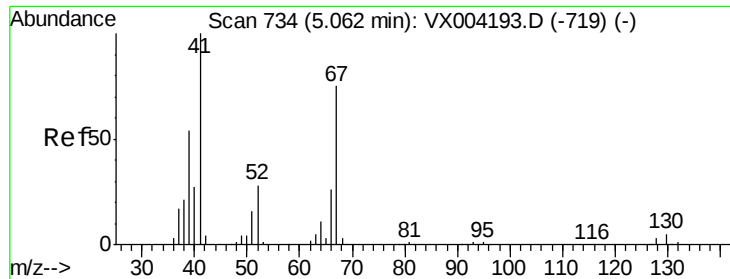
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#40
Benzene
Concen: 21.36 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.00 min
Lab File: VX004305.D
Acq: 29 Aug 2018 21:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.4





#41

Methacrylonitrile

Concen: 23.69 ug/l

RT: 5.06 min Scan# 734

Delta R.T. -0.00 min

Lab File: VX004305.D

Acq: 29 Aug 2018 21:37

Instrument :

MSVOA_X

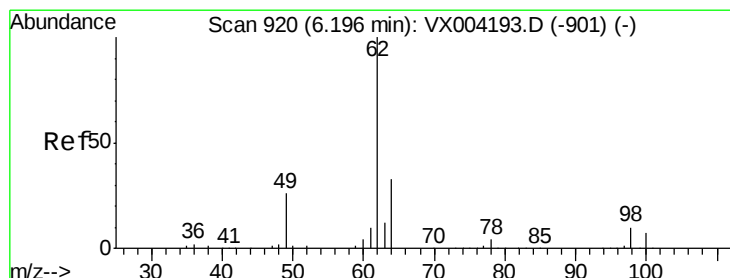
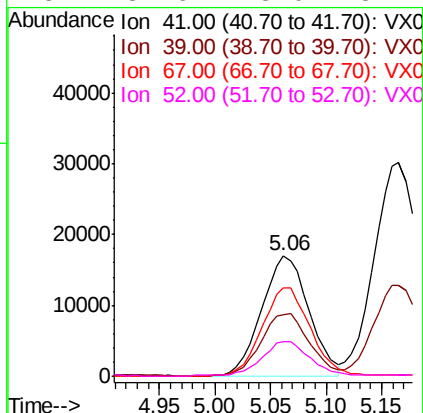
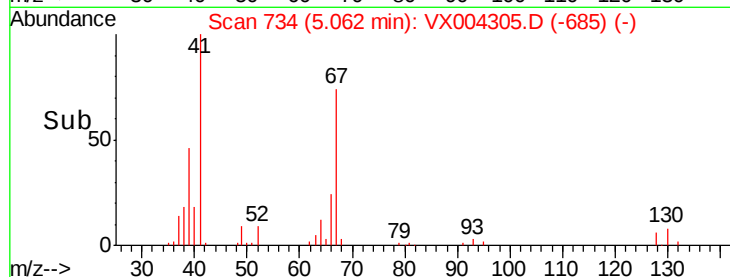
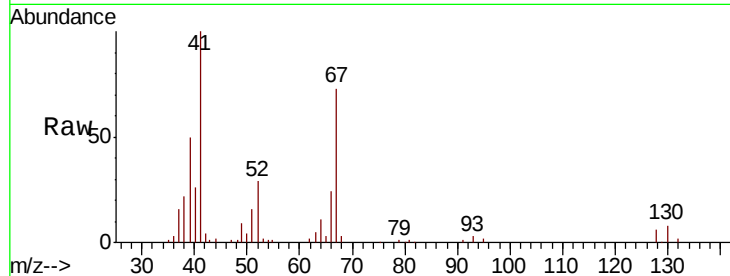
ClientSampleId :

VX0829WBSD02

Tot Ion:	41	Resp:	49990
Ion	Ratio	Lower	Upper
41	100		
39	54.3	42.4	63.6
67	76.1	59.2	88.8
52	31.6	23.0	34.4

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 22.18 ug/l

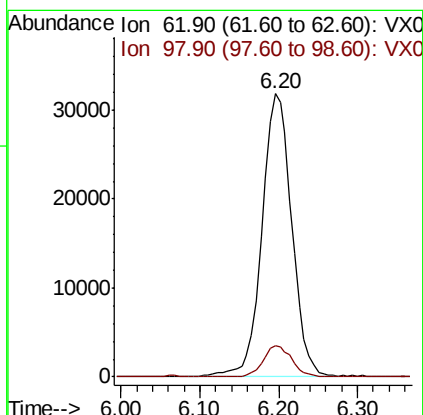
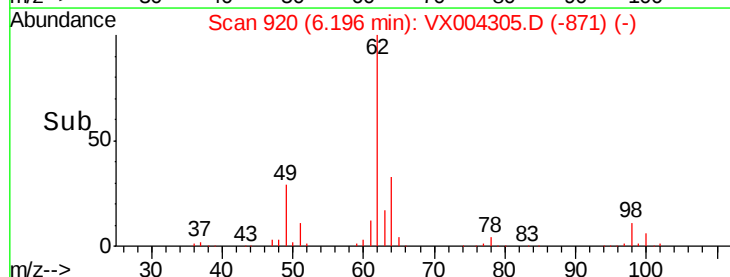
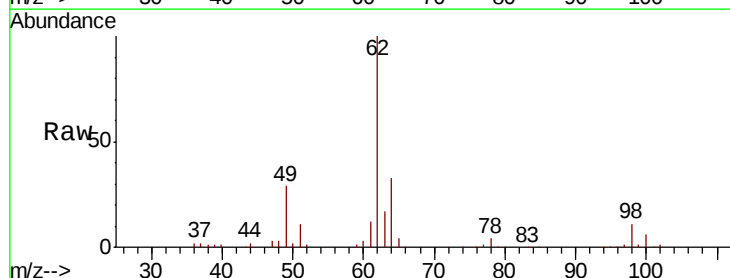
RT: 6.20 min Scan# 920

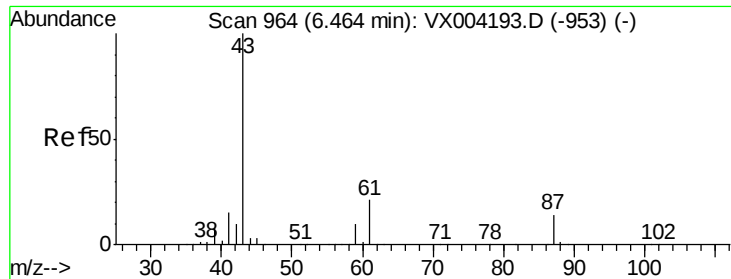
Delta R.T. -0.00 min

Lab File: VX004305.D

Acq: 29 Aug 2018 21:37

Tgt Ion:	62	Resp:	83691
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.6





#43

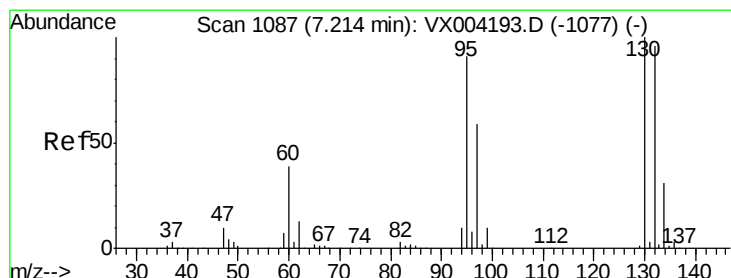
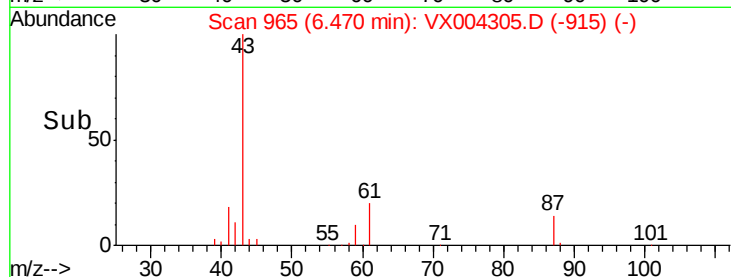
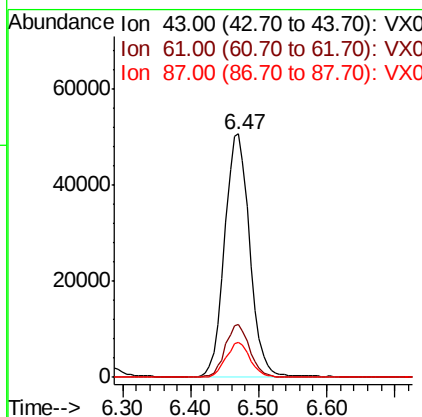
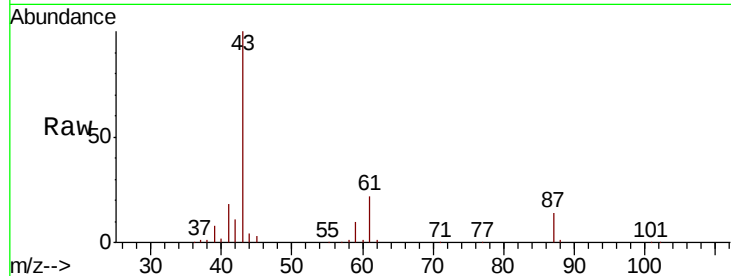
Isopropyl Acetate
 Concen: 23.13 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.01 min
 Lab File: VX004305.D
 Acq: 29 Aug 2018 21:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.3	17.0	25.4
87	13.9	11.4	17.2

Manual Integrations
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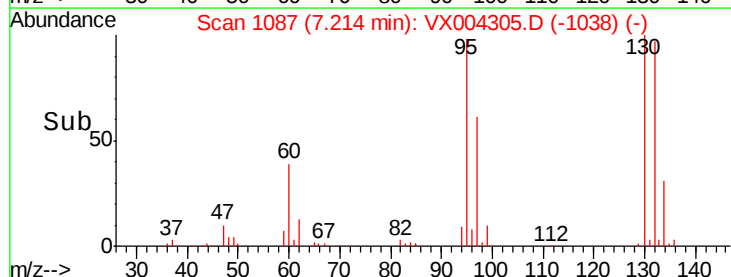
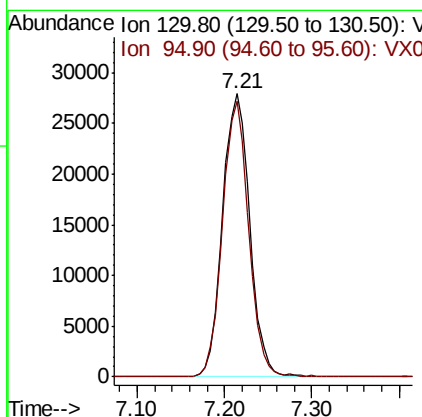
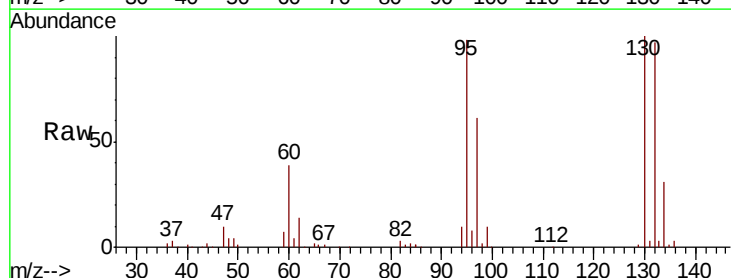
MMDadoda
 8/30/2018 1:38:38 PM



#44

Trichloroethene
 Concen: 19.73 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX004305.D
 Acq: 29 Aug 2018 21:37

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.6	0.0	181.6





#45

1,2-Dichloropropane

Concen: 22.39 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX004305.D

Acq: 29 Aug 2018 21:37

Instrument :

MSVOA_X

ClientSampleId :

VX0829WBSD02

Tot Ion: 63 Resp: 61980

Ion Ratio Lower Upper

63 100

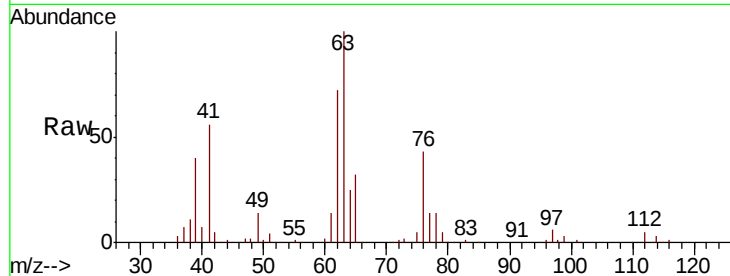
65 31.8 24.3 36.5

Manual Integrations

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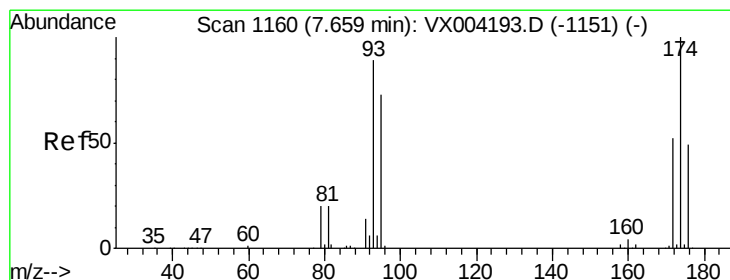
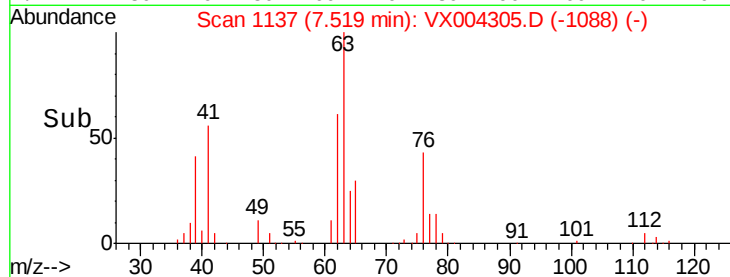
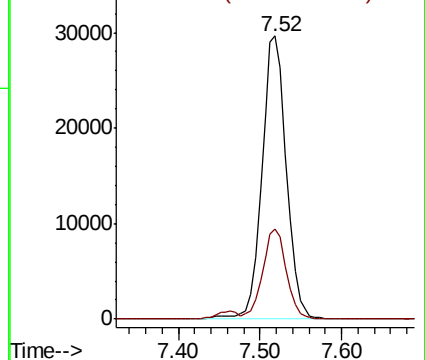
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 22.55 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VX004305.D

Acq: 29 Aug 2018 21:37

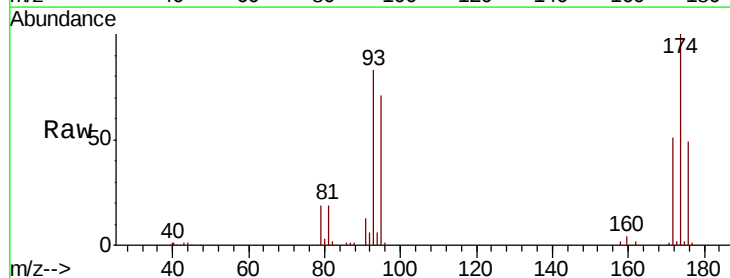
Tgt Ion: 93 Resp: 41571

Ion Ratio Lower Upper

93 100

95 82.7 65.5 98.3

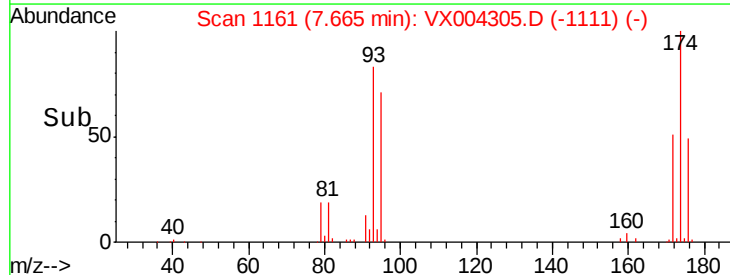
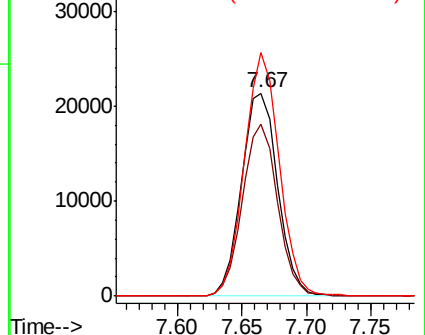
174 115.4 94.2 141.4

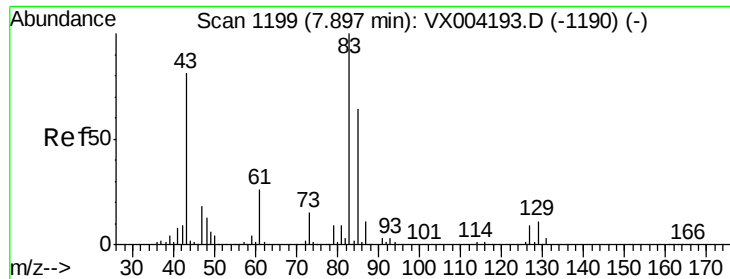


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 22.05 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VX004305.D

Acq: 29 Aug 2018 21:37

Instrument :

MSVOA_X

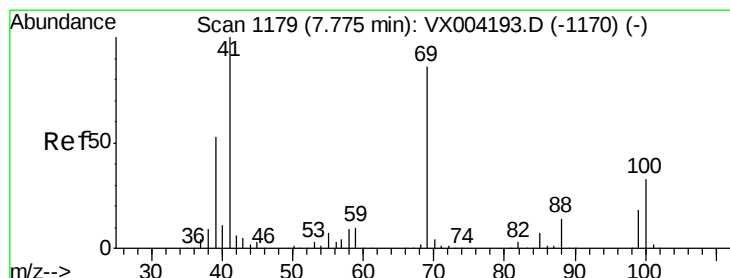
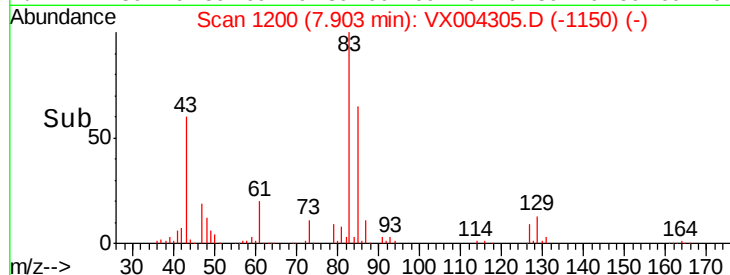
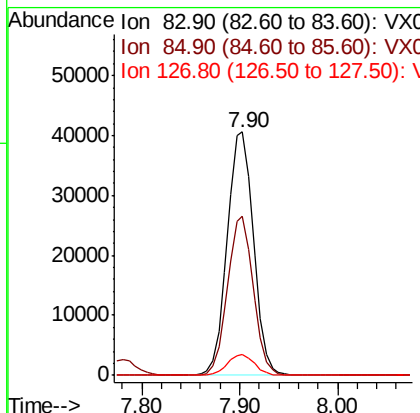
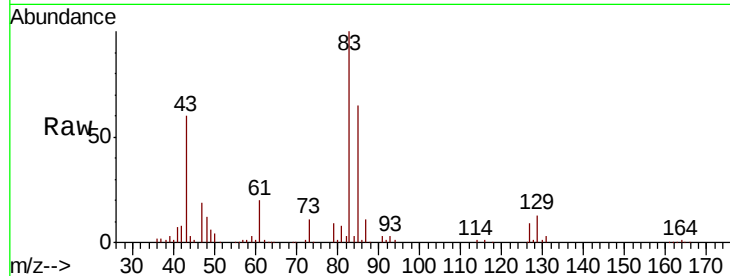
ClientSampleId :

VX0829WBSD02

Tot Ion:	83	Resp:	75621
Ion	Ratio	Lower	Upper
83	100		
85	65.2	50.9	76.3
127	8.8	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 22.74 ug/l

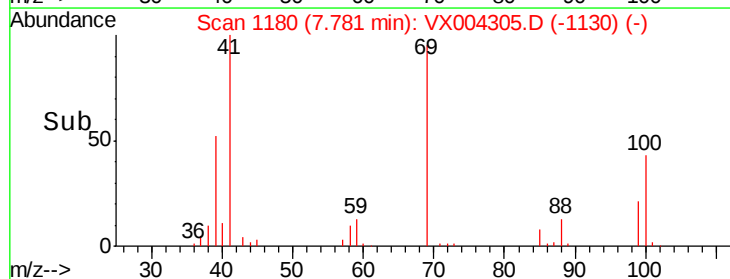
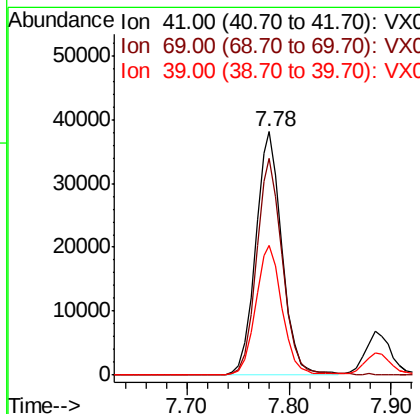
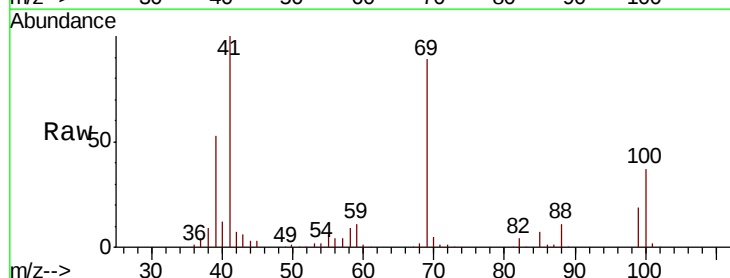
RT: 7.78 min Scan# 1180

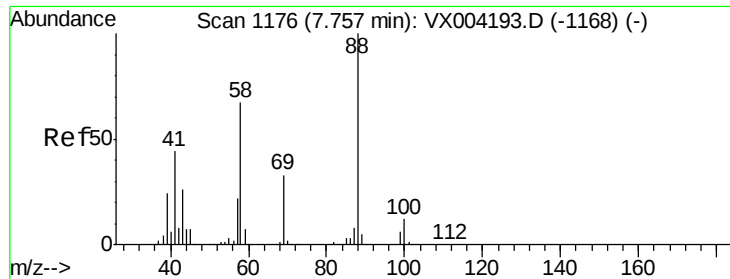
Delta R.T. 0.01 min

Lab File: VX004305.D

Acq: 29 Aug 2018 21:37

Tgt Ion:	41	Resp:	68057
Ion	Ratio	Lower	Upper
41	100		
69	88.5	70.2	105.4
39	54.2	42.7	64.1





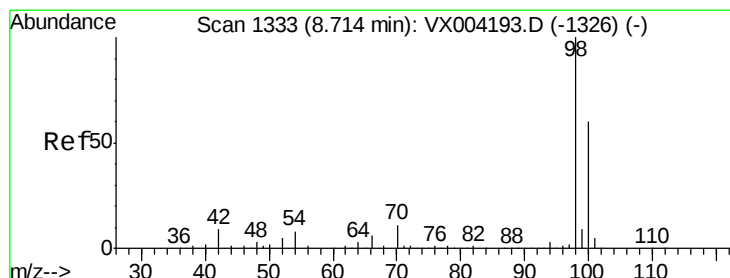
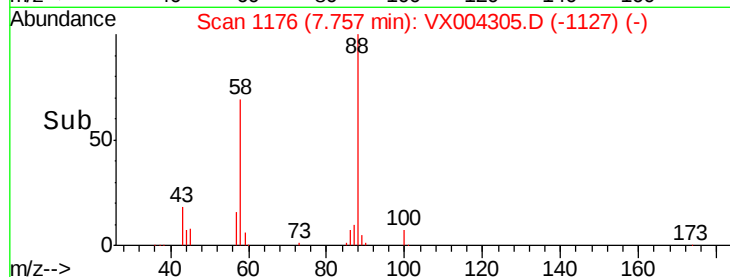
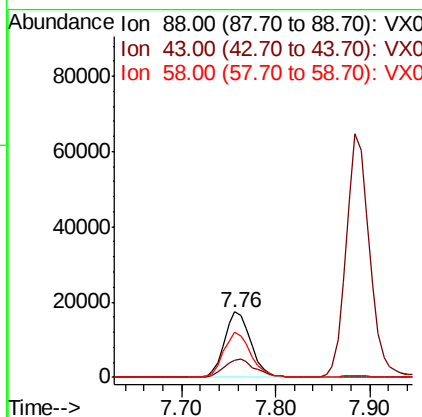
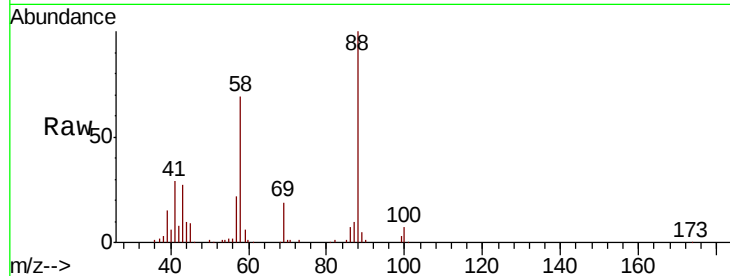
#49
1,4-Dioxane
Concen: 500.42 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX004305.D
Acq: 29 Aug 2018 21:37

Instrument :
MSVOA_X
ClientSampleId :
VX0829WBSD02

Tot Ion	88	Resp	34007
Ion Ratio	Lower	Upper	
88	100		
43	31.7	24.7	37.1
58	70.9	55.3	82.9

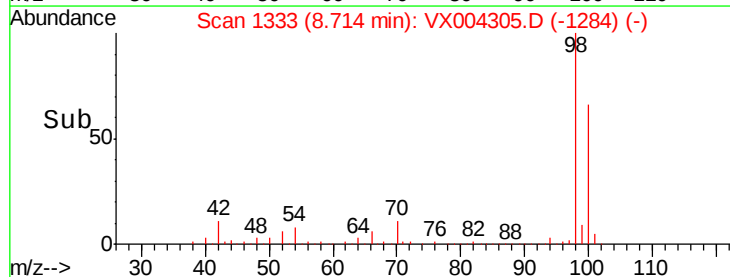
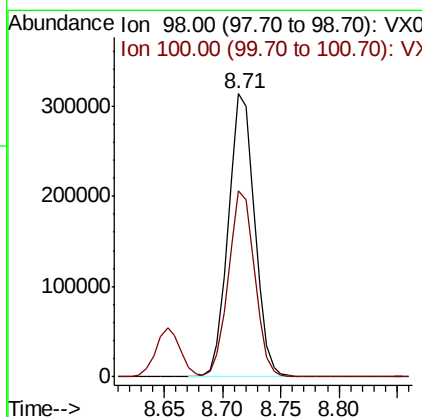
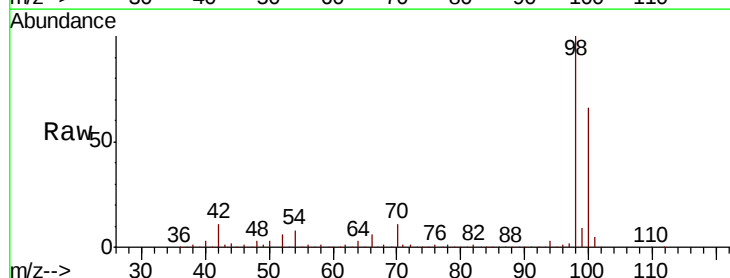
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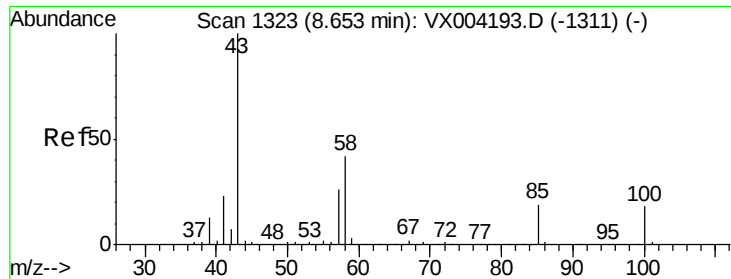
MMDadoda
8/30/2018 1:38:38 PM



#50
Toluene-d8
Concen: 53.25 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.00 min
Lab File: VX004305.D
Acq: 29 Aug 2018 21:37

Tgt Ion	98	Resp	492320
Ion Ratio	Lower	Upper	
98	100		
100	65.8	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 117.89 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX004305.D

Acq: 29 Aug 2018 21:37

Instrument :

MSVOA_X

ClientSampleId :

VX0829WBSD02

Tot Ion: 43 Resp: 479161

Ion Ratio Lower Upper

43 100

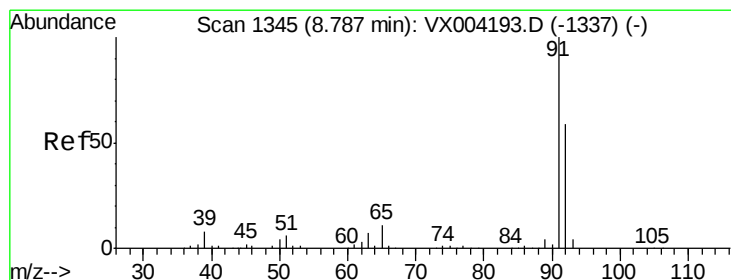
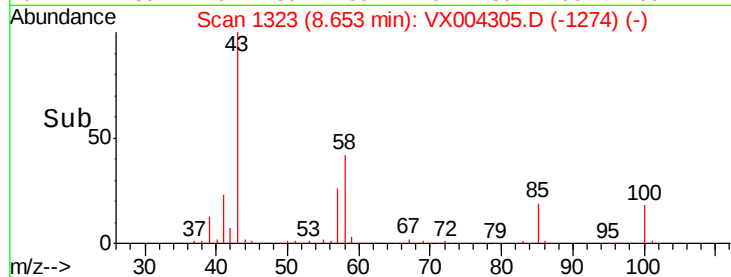
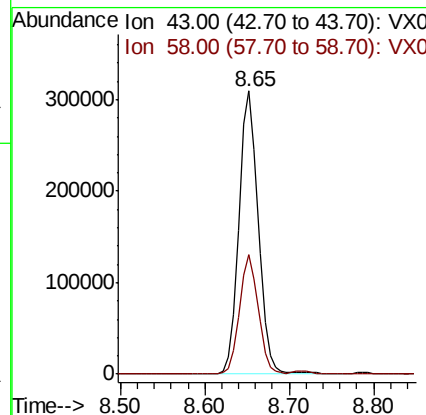
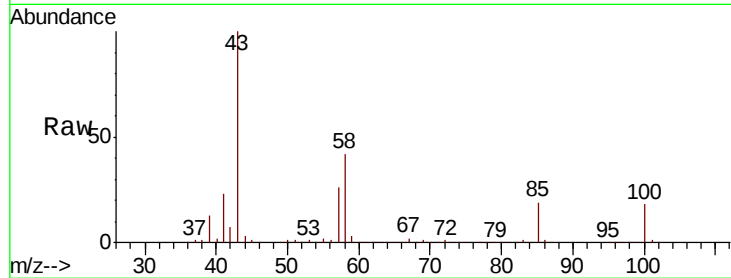
58 40.7 33.1 49.7

Manual Integrations

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#52

Toluene

Concen: 21.34 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX004305.D

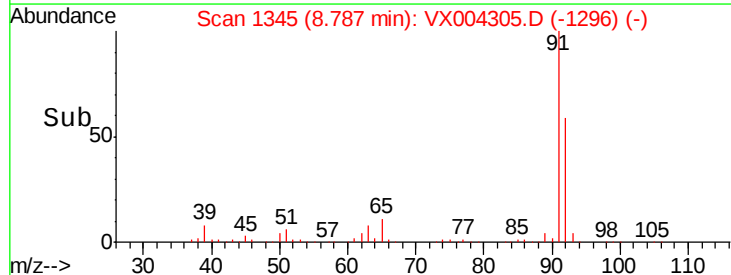
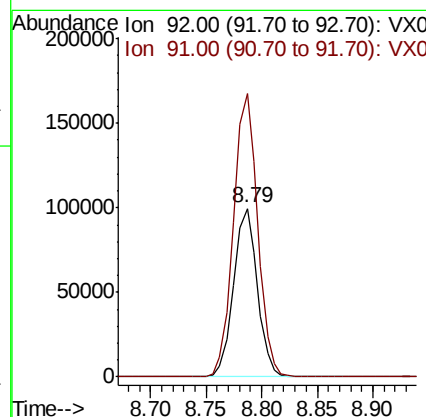
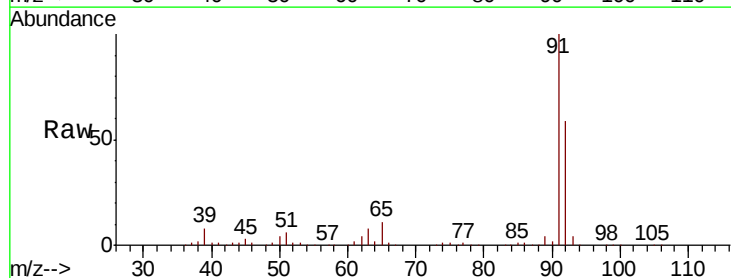
Acq: 29 Aug 2018 21:37

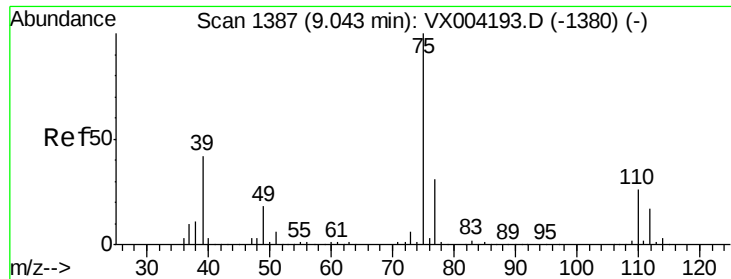
Tgt Ion: 92 Resp: 147739

Ion Ratio Lower Upper

92 100

91 171.2 136.4 204.6





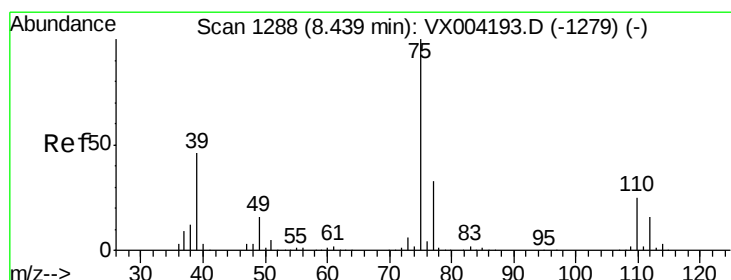
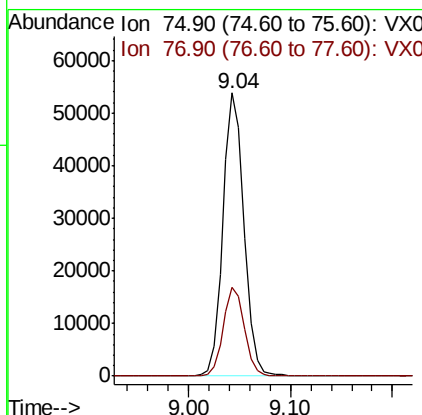
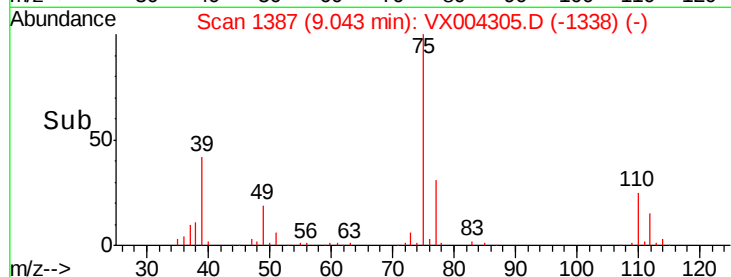
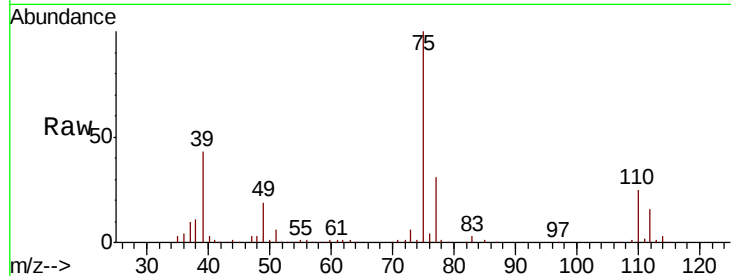
#53
 t-1,3-Dichloropropene
 Concen: 20.33 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.00 min
 Lab File: VX004305.D
 Acq: 29 Aug 2018 21:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829WBSD02

Tot Ion: 75 Resp: 77020
 Ion Ratio Lower Upper
 75 100
 77 31.2 24.6 37.0

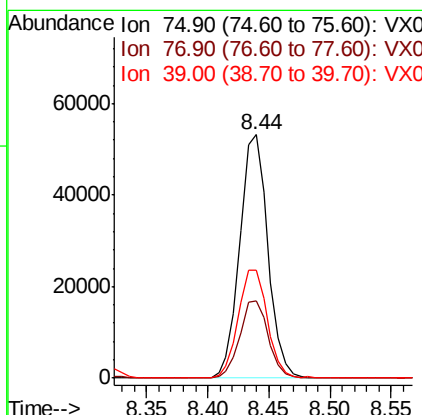
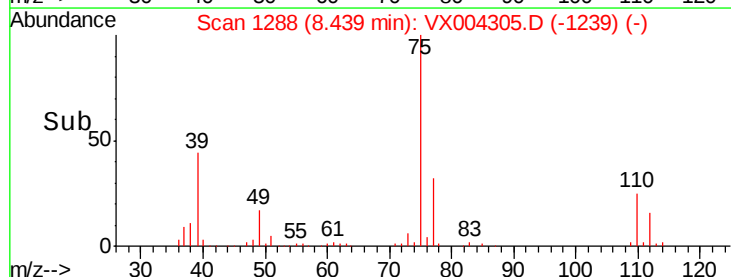
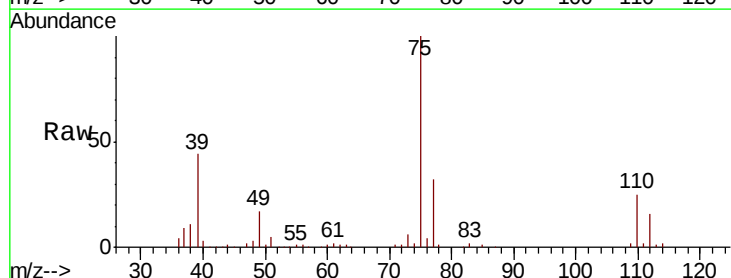
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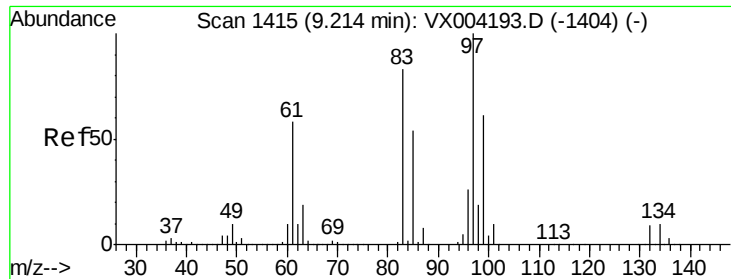
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 20.54 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. -0.00 min
 Lab File: VX004305.D
 Acq: 29 Aug 2018 21:37

Tgt Ion: 75 Resp: 84747
 Ion Ratio Lower Upper
 75 100
 77 31.9 26.2 39.2
 39 44.1 36.4 54.6





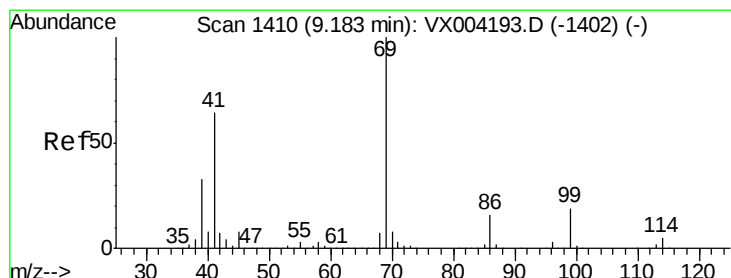
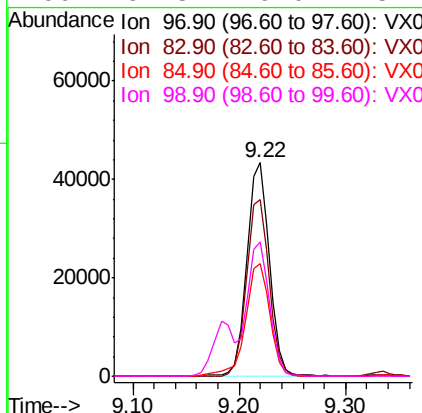
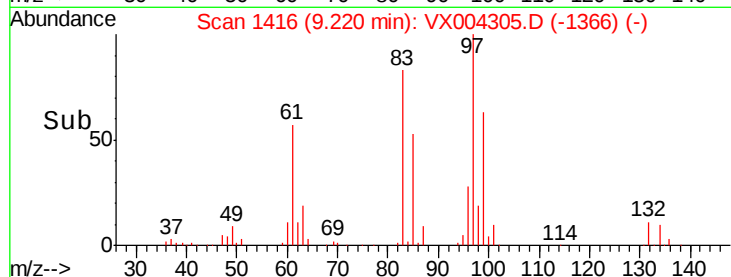
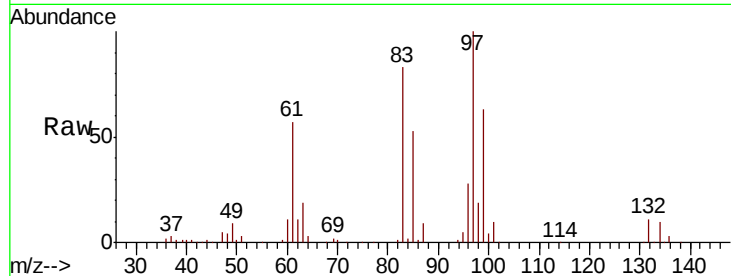
#55
 1,1,2-Trichloroethane
 Concen: 23.03 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.01 min
 Lab File: VX004305.D
 Acq: 29 Aug 2018 21:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829WBSD02

Tot Ion:	97	Resp:	64354
Ion	Ratio	Lower	Upper
97	100		
83	82.7	66.4	99.6
85	53.0	43.3	64.9
99	62.8	49.0	73.4

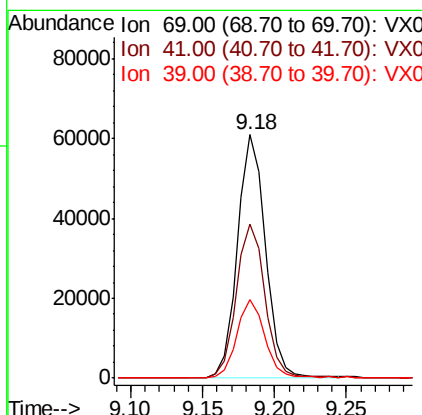
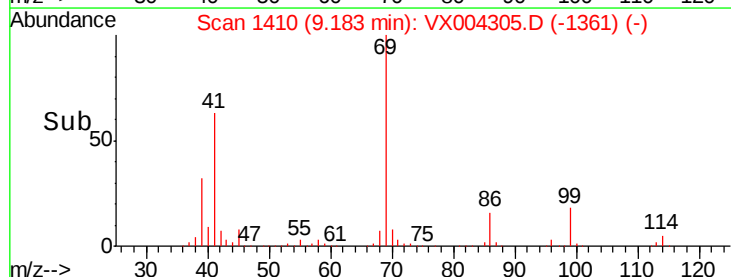
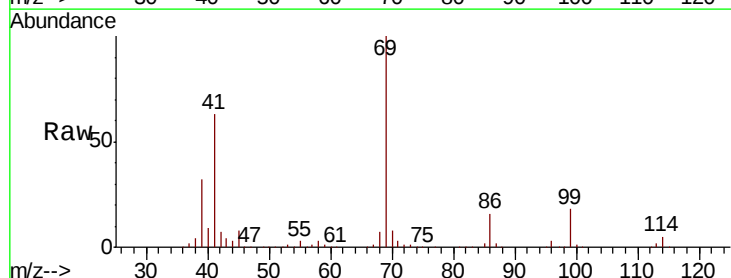
Manual Integrations
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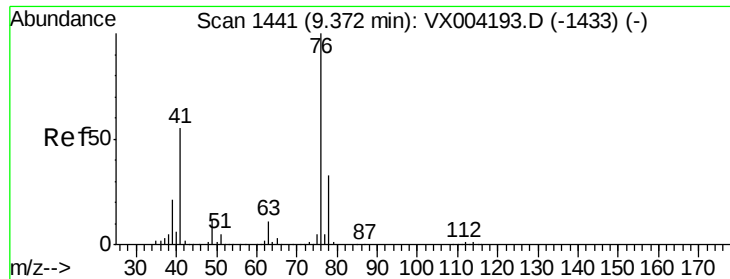
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#56
 Ethyl methacrylate
 Concen: 21.78 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX004305.D
 Acq: 29 Aug 2018 21:37

Tgt Ion:	69	Resp:	82874
Ion	Ratio	Lower	Upper
69	100		
41	64.8	51.0	76.4
39	32.3	26.1	39.1





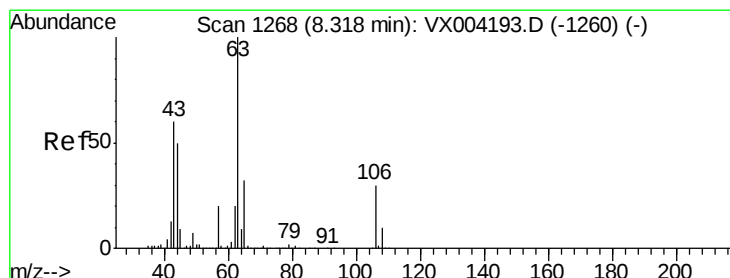
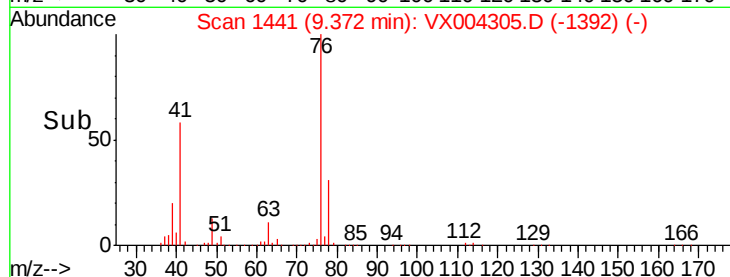
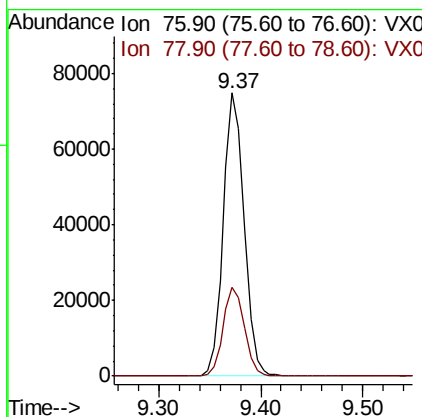
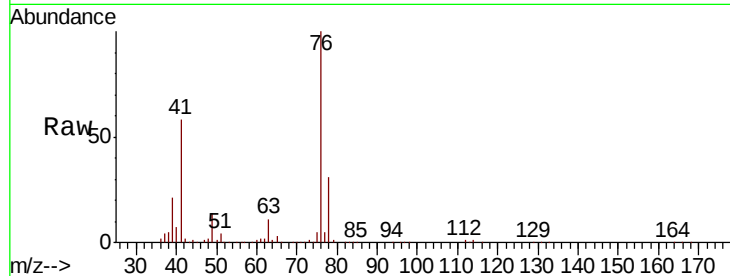
#57
 1,3-Dichloropropane
 Concen: 22.56 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VX004305.D
 Acq: 29 Aug 2018 21:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.5	38.3

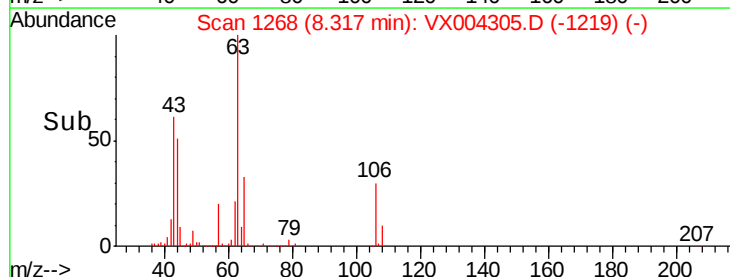
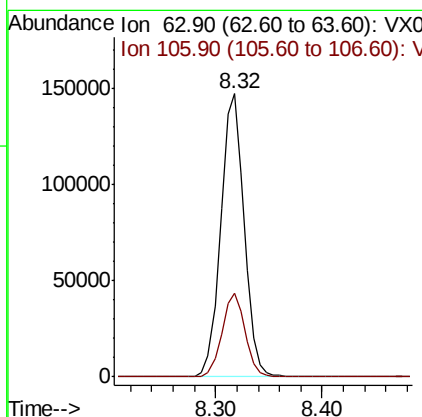
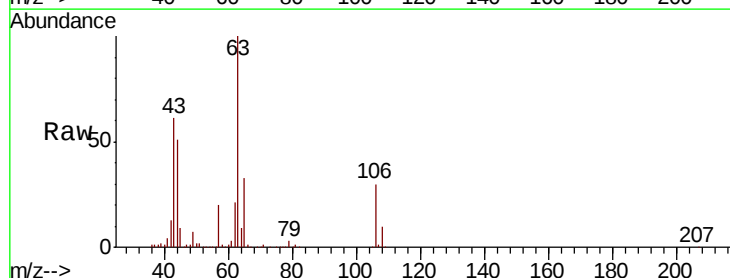
Manual Integrations
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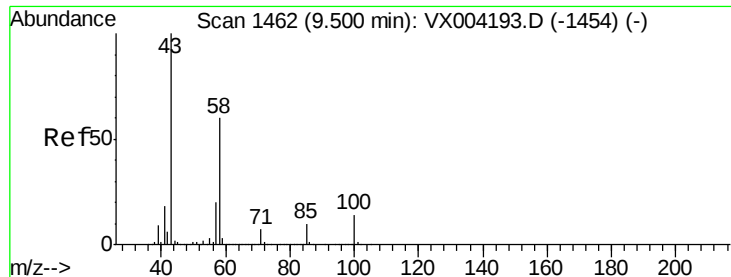
MMDadoda
 8/30/2018 1:38:38 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 115.61 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX004305.D
 Acq: 29 Aug 2018 21:37

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.3	23.9	35.9





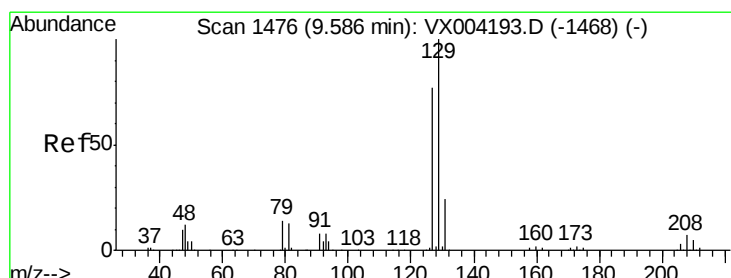
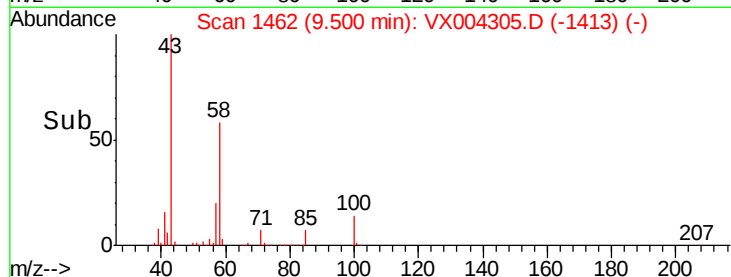
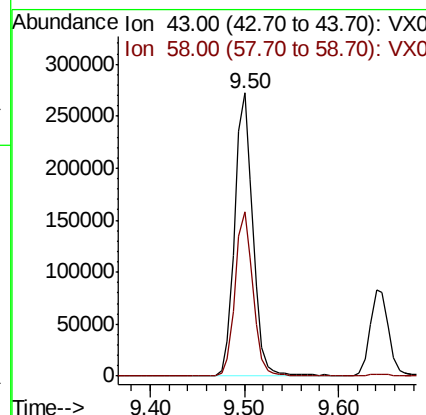
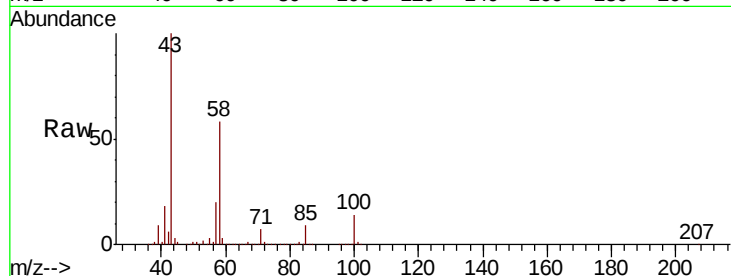
#59
2-Hexanone
Concen: 117.67 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX004305.D
Acq: 29 Aug 2018 21:37

Instrument :
MSVOA_X
ClientSampleId :
VX0829WBSD02

Tot Ion	43	Resp	364867
Ion Ratio	Lower	Upper	
43	100		
58	57.4	29.0	87.0

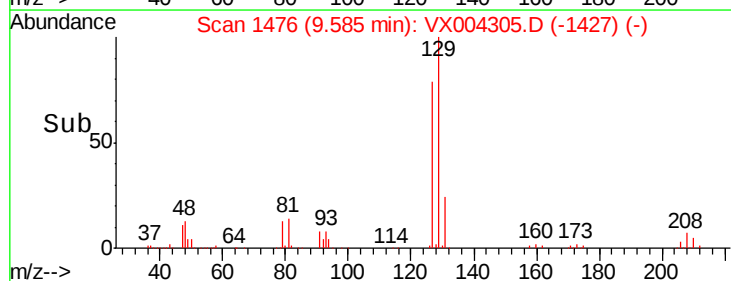
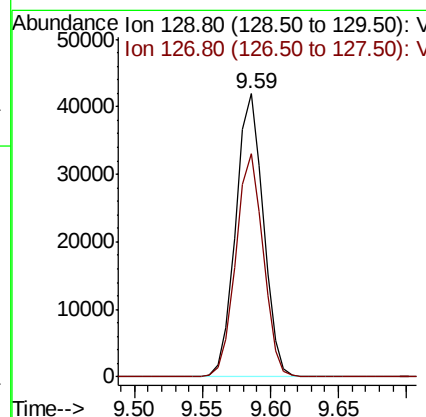
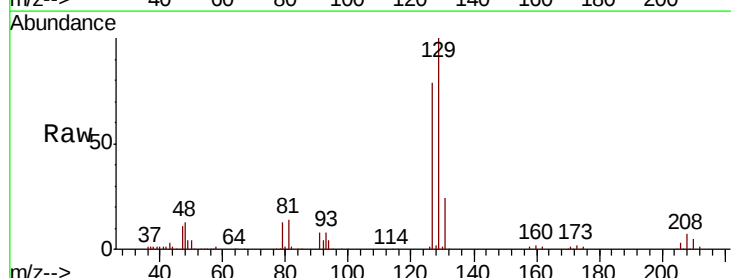
Manual Integrations
APPROVED

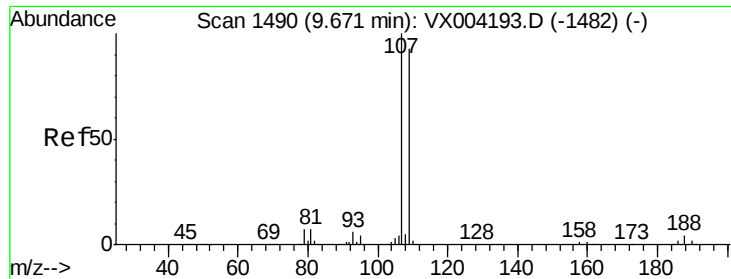
MMDadoda
8/30/2018 1:38:38 PM



#60
Dibromochloromethane
Concen: 21.80 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX004305.D
Acq: 29 Aug 2018 21:37

Tgt Ion	129	Resp	59369
Ion Ratio	Lower	Upper	
129	100		
127	78.2	38.5	115.5





#61

1,2-Dibromoethane

Concen: 21.99 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.01 min

Lab File: VX004305.D

Acq: 29 Aug 2018 21:37

Instrument :

MSVOA_X

ClientSampleId :

VX0829WBSD02

Tot Ion:107 Resp: 63594

Ion Ratio Lower Upper

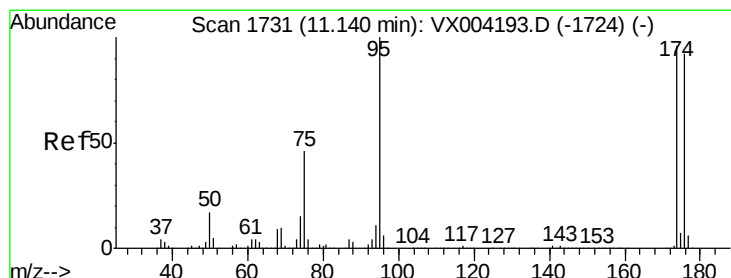
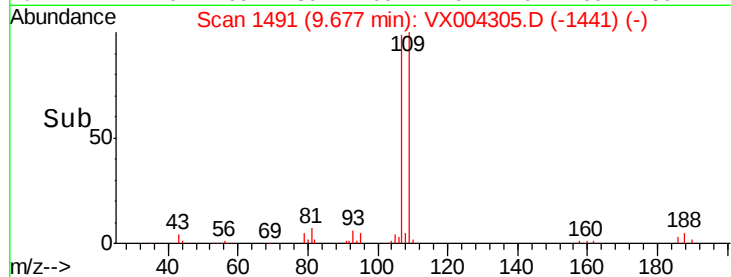
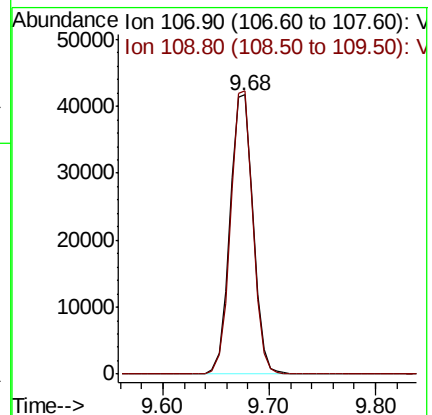
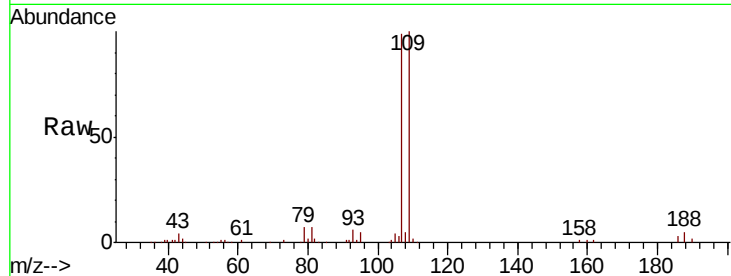
107 100

109 97.5 76.0 114.0

Manual Integrations
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8/30/2018 1:38:38 PM



#62

4-Bromofluorobenzene

Concen: 53.10 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004305.D

Acq: 29 Aug 2018 21:37

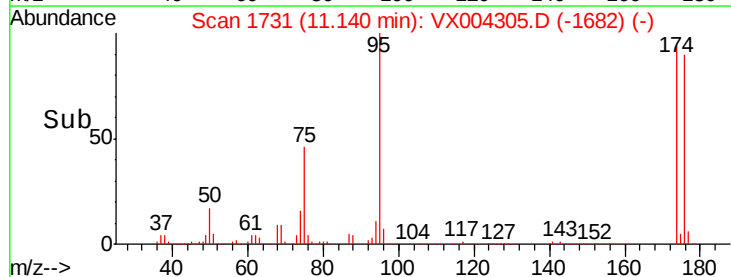
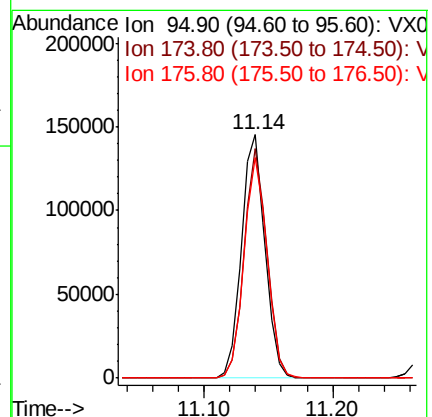
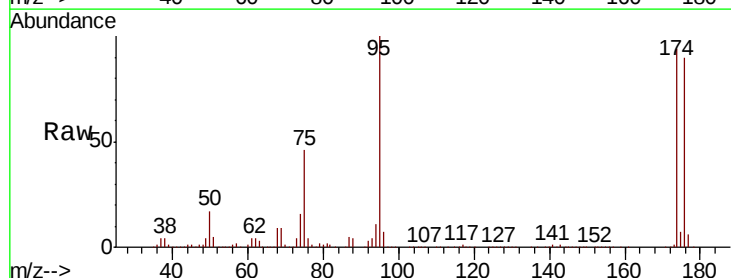
Tgt Ion: 95 Resp: 183198

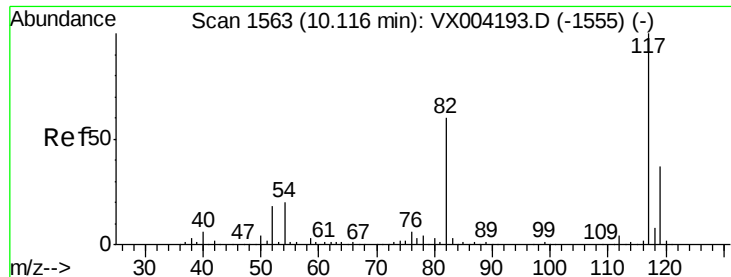
Ion Ratio Lower Upper

95 100

174 91.8 0.0 185.2

176 89.2 0.0 178.6





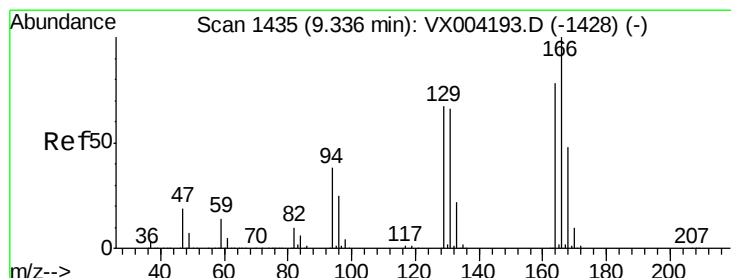
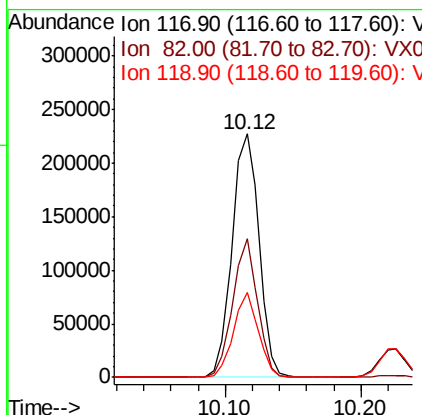
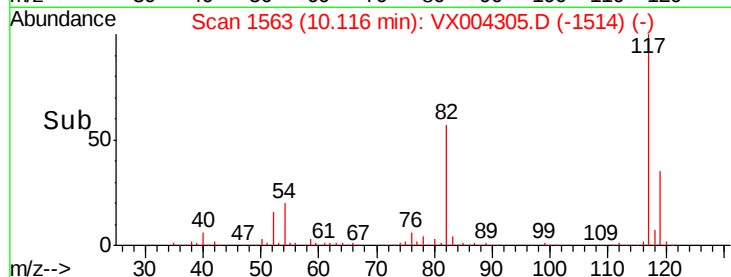
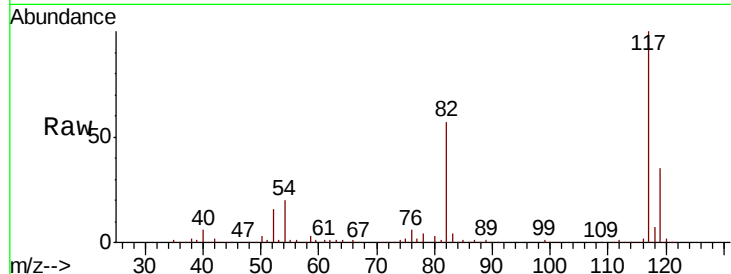
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004305.D
Acq: 29 Aug 2018 21:37

Instrument :
MSVOA_X
ClientSampleId :
VX0829WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.8	47.8	71.6
119	34.7	29.3	43.9

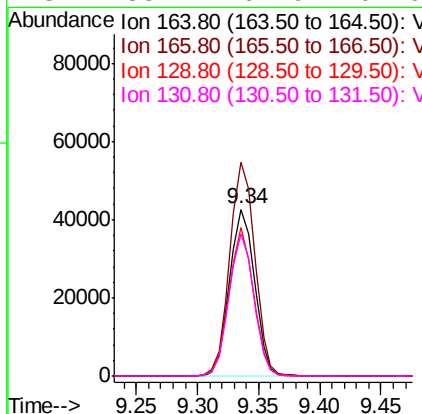
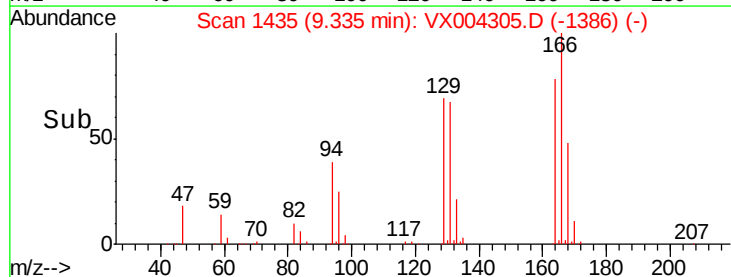
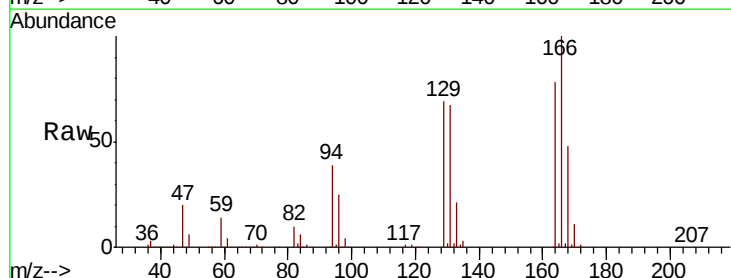
Manual Integrations
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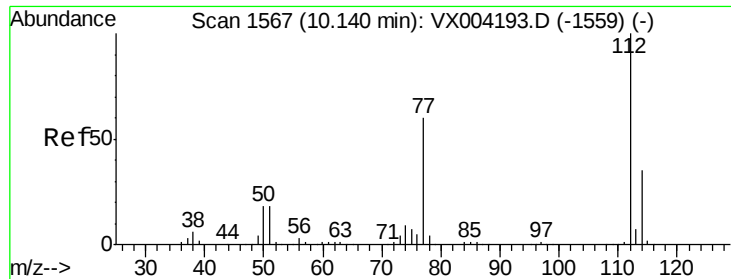
MMDadoda
8/30/2018 1:38:38 PM



#64
Tetrachloroethene
Concen: 19.63 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004305.D
Acq: 29 Aug 2018 21:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.0	102.8	154.2
129	88.6	69.4	104.0
131	85.4	67.9	101.9





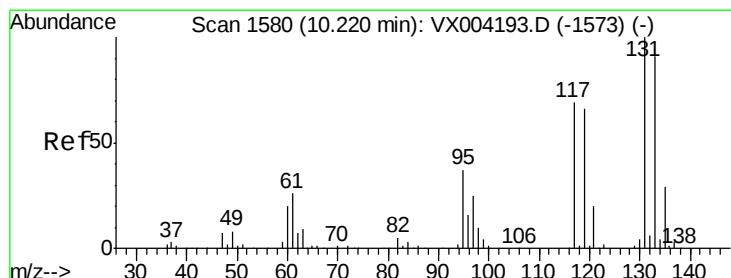
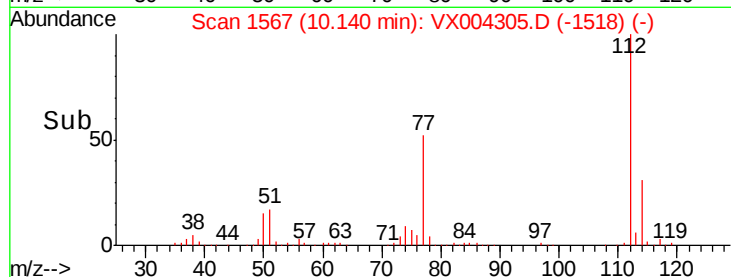
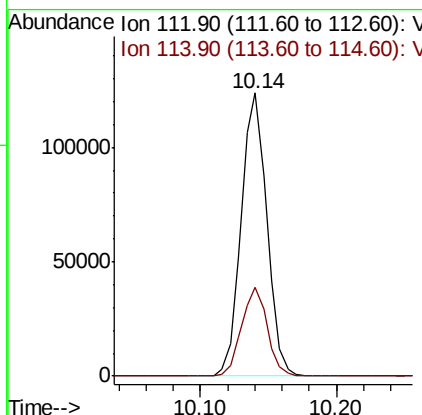
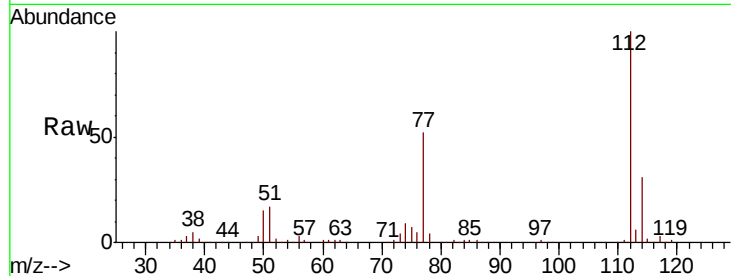
#65
Chlorobenzene
Concen: 20.82 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX004305.D
Acq: 29 Aug 2018 21:37

Instrument :
MSVOA_X
ClientSampleId :
VX0829WBSD02

Tot Ion:112 Resp: 163273
Ion Ratio Lower Upper
112 100
114 31.2 27.8 41.8

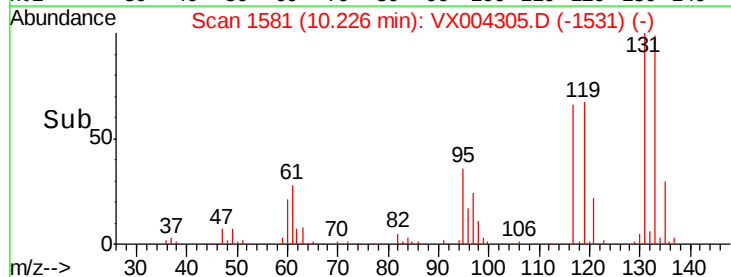
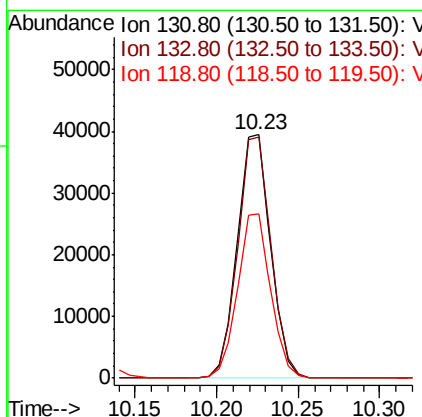
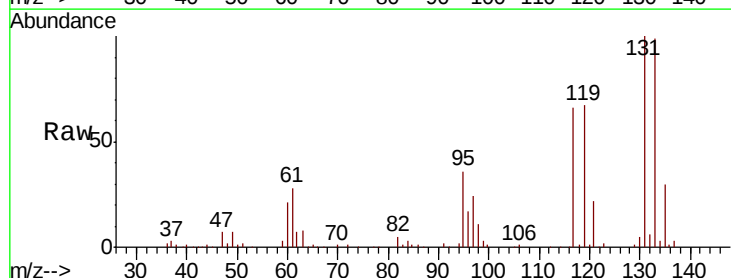
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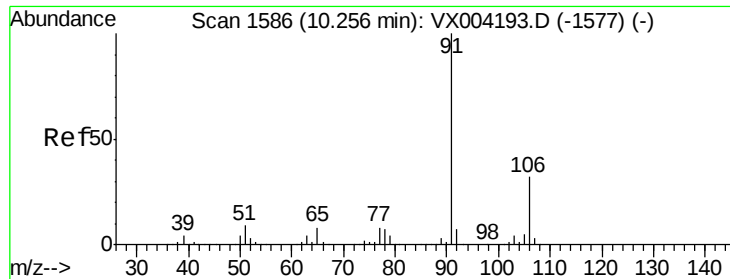
MMDadoda
8/30/2018 1:38:38 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.75 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.01 min
Lab File: VX004305.D
Acq: 29 Aug 2018 21:37

Tgt Ion:131 Resp: 56110
Ion Ratio Lower Upper
131 100
133 99.1 48.1 144.4
119 67.1 32.9 98.6





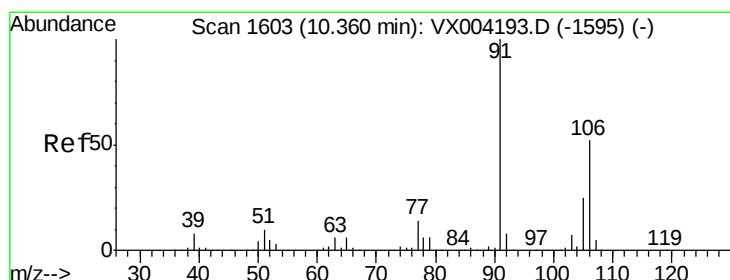
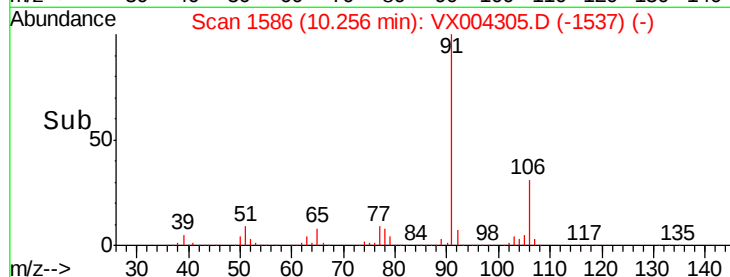
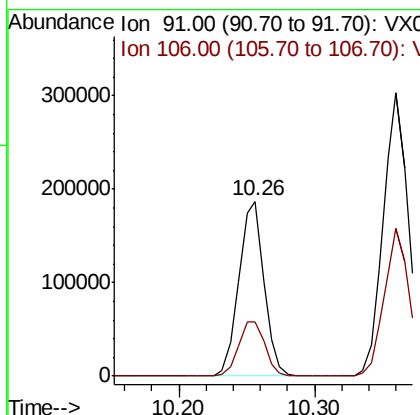
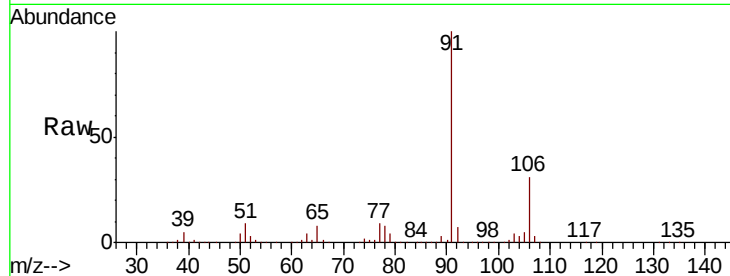
#67
Ethyl Benzene
Concen: 18.92 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX004305.D
Acq: 29 Aug 2018 21:37

Instrument :
MSVOA_X
ClientSampleId :
VX0829WBSD02

Tot Ion: 91 Resp: 240943
Ion Ratio Lower Upper
91 100
106 31.0 25.9 38.9

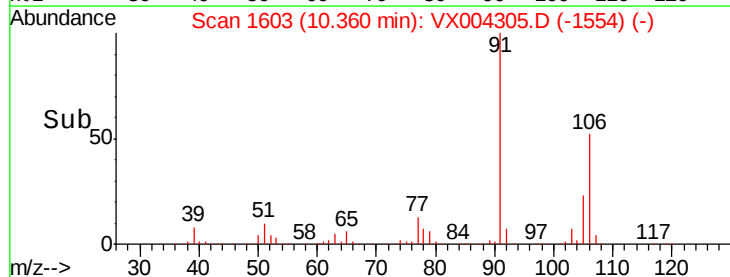
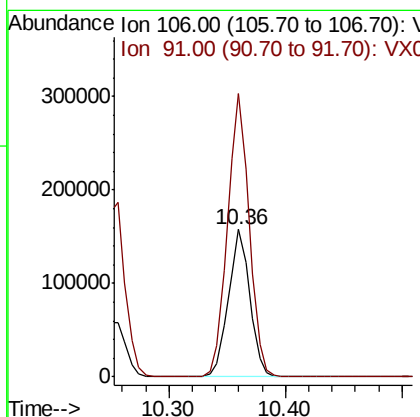
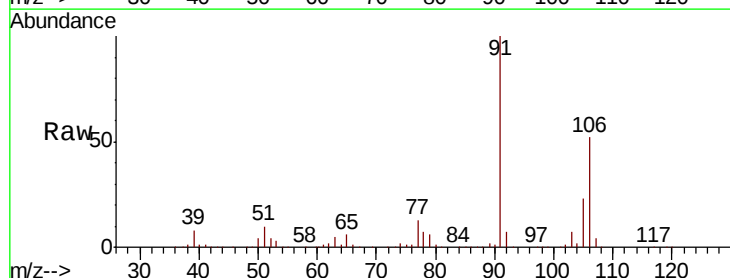
Manual Integrations
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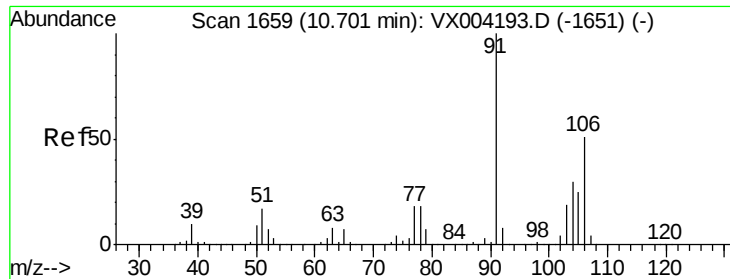
MMDadoda
8/30/2018 1:38:38 PM



#68
m/p-Xylenes
Concen: 40.50 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX004305.D
Acq: 29 Aug 2018 21:37

Tgt Ion: 106 Resp: 201646
Ion Ratio Lower Upper
106 100
91 194.7 157.1 235.7





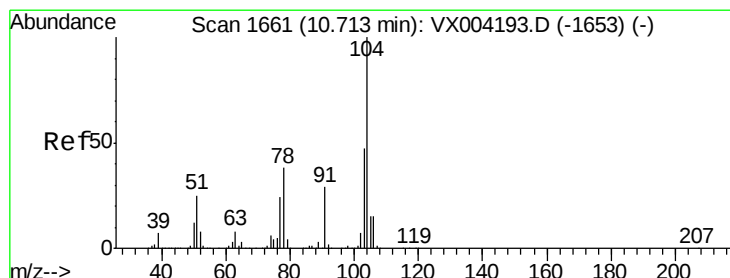
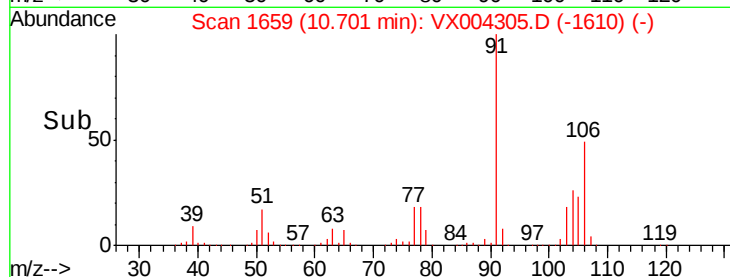
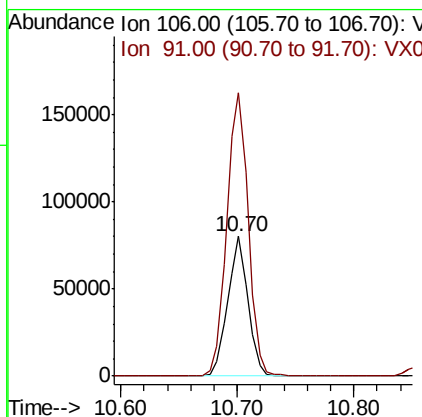
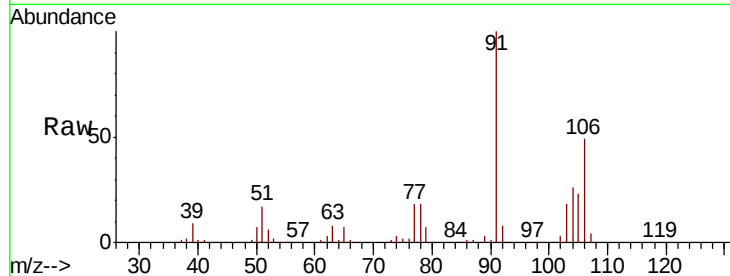
#69
o-Xylene
Concen: 20.56 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004305.D
Acq: 29 Aug 2018 21:37

Instrument :
MSVOA_X
ClientSampleId :
VX0829WBSD02

Tot Ion:106 Resp: 96818
Ion Ratio Lower Upper
106 100
91 214.2 105.1 315.1

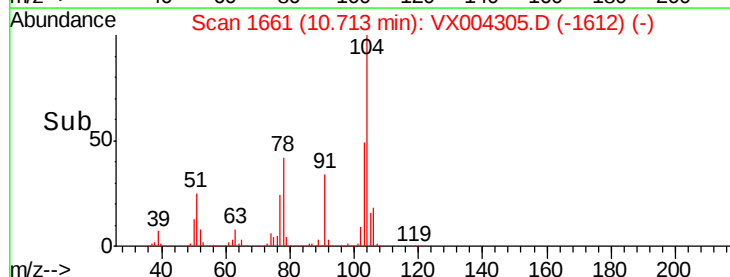
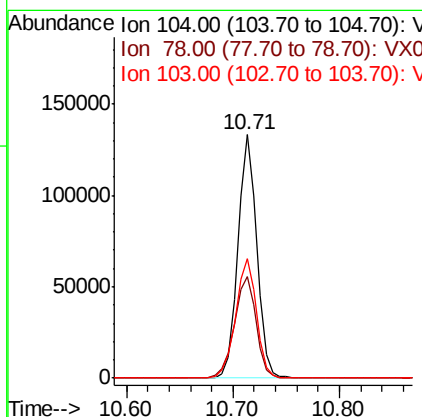
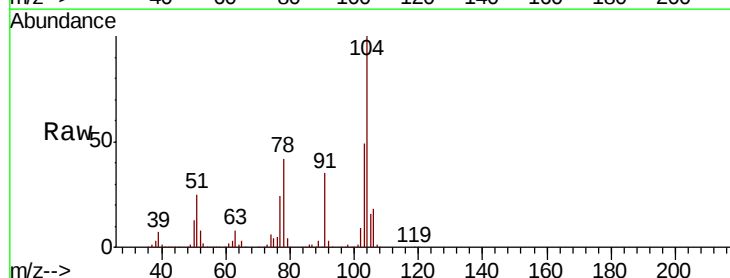
Manual Integrations
APPROVED

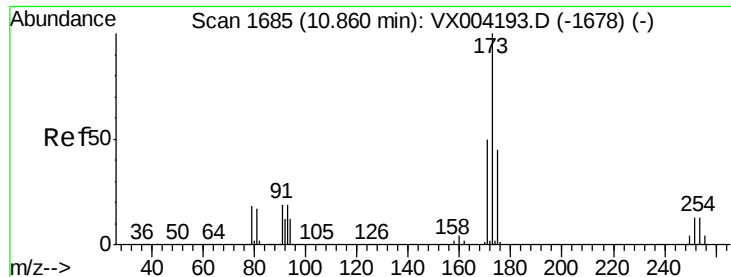
MMDadoda
8/30/2018 1:38:38 PM



#70
Styrene
Concen: 21.87 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004305.D
Acq: 29 Aug 2018 21:37

Tgt Ion:104 Resp: 166791
Ion Ratio Lower Upper
104 100
78 48.0 37.4 56.0
103 54.0 43.8 65.6





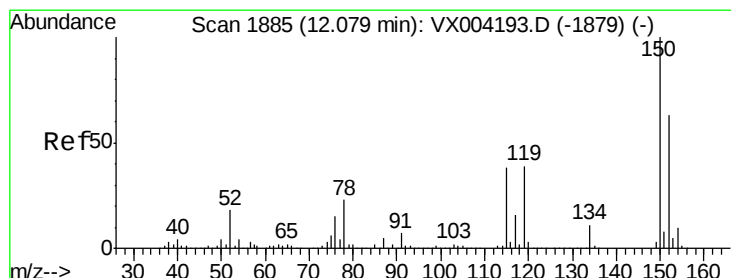
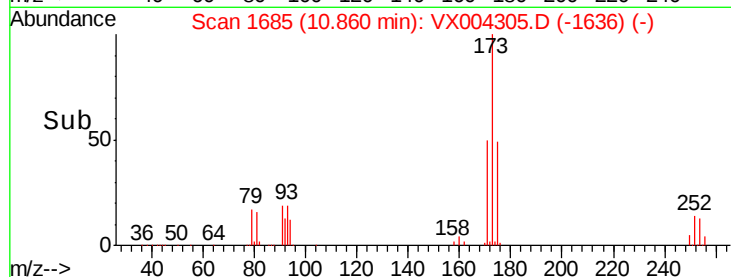
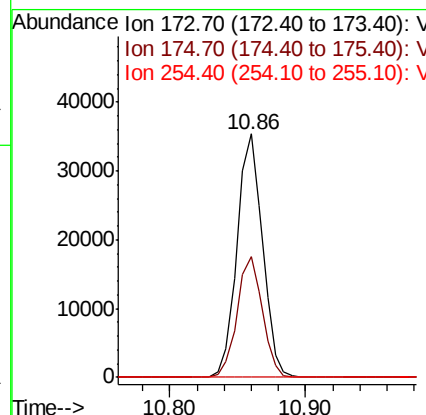
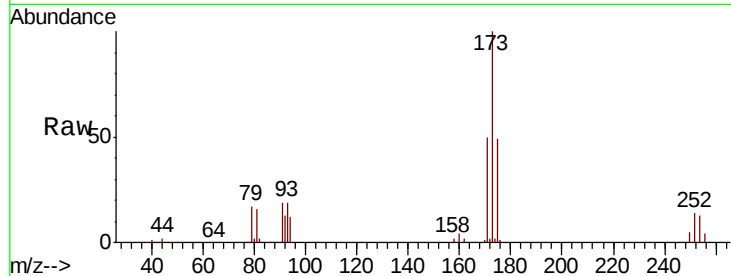
#71
Bromoform
Concen: 21.15 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX004305.D
Acq: 29 Aug 2018 21:37

Instrument :
MSVOA_X
ClientSampleId :
VX0829WBSD02

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.1	72.3
254	0.1	0.2	0.2

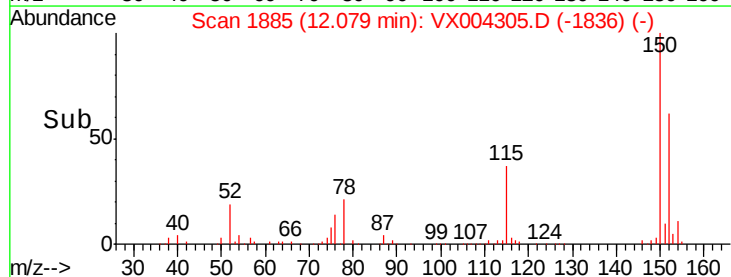
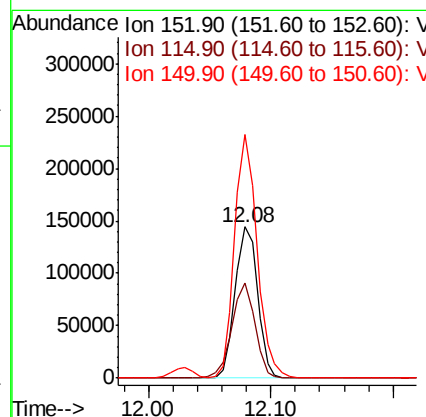
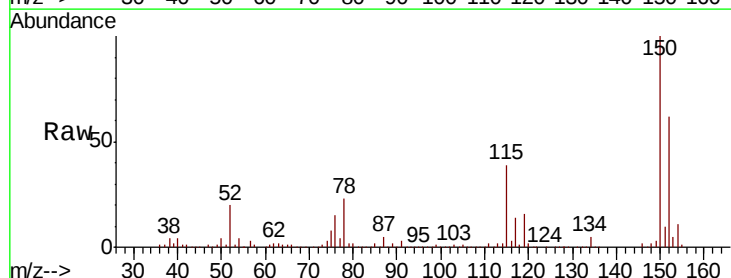
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX004305.D
Acq: 29 Aug 2018 21:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.8	39.0	117.0
150	161.6	0.0	351.0





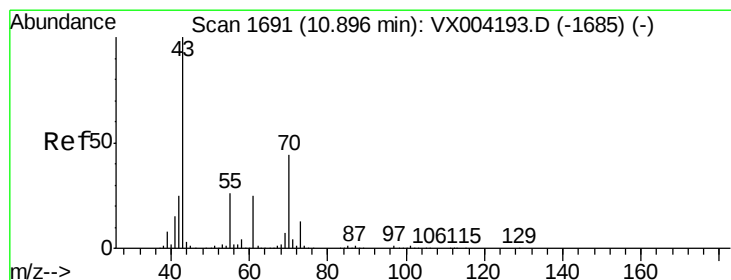
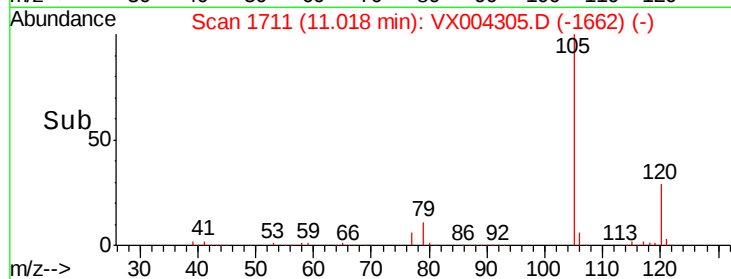
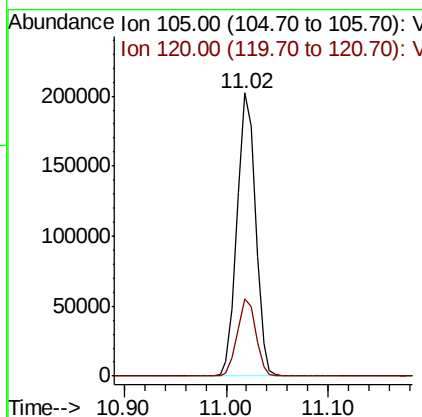
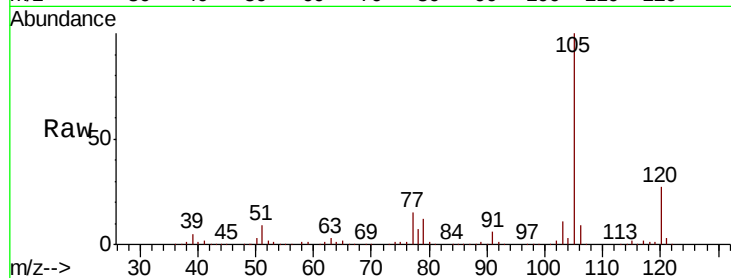
#73
Isopropylbenzene
Concen: 21.02 ug/l
RT: 11.02 min Scan# 1711
Delta R.T. -0.00 min
Lab File: VX004305.D
Acq: 29 Aug 2018 21:37

Instrument :
MSVOA_X
ClientSampleId :
VX0829WBSD02

Tot Ion: 105 Resp: 251433
Ion Ratio Lower Upper
105 100
120 27.5 13.5 40.4

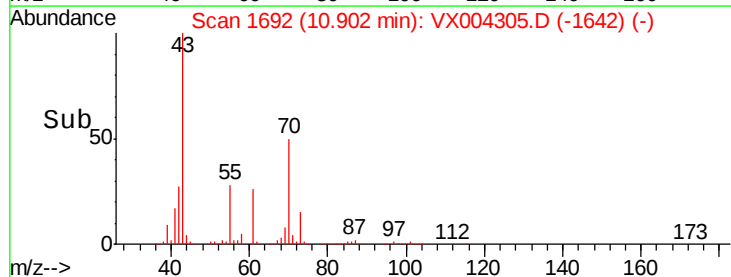
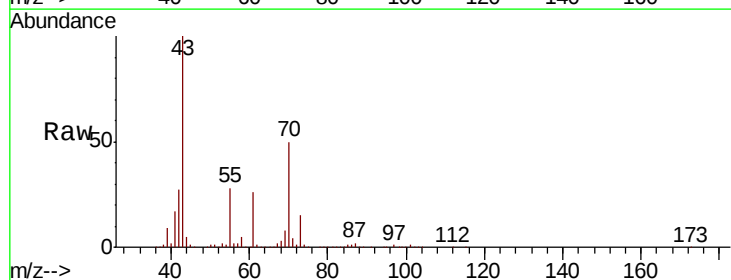
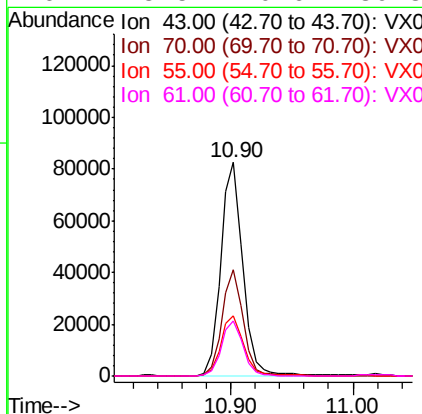
Manual Integrations
APPROVED

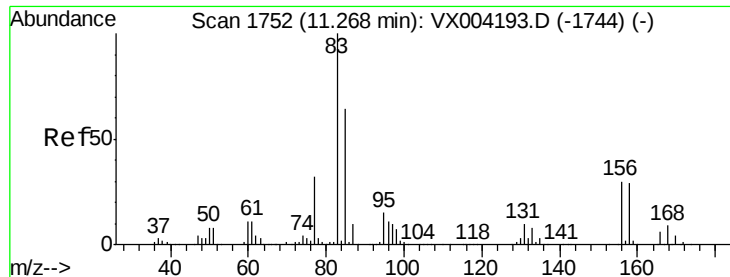
MMDadoda
8/30/2018 1:38:38 PM



#74
N-ethyl acetate
Concen: 22.43 ug/l
RT: 10.90 min Scan# 1692
Delta R.T. 0.01 min
Lab File: VX004305.D
Acq: 29 Aug 2018 21:37

Tgt Ion: 43 Resp: 103300
Ion Ratio Lower Upper
43 100
70 48.3 37.4 56.0
55 29.8 21.8 32.8
61 25.5 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 24.09 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004305.D

Acq: 29 Aug 2018 21:37

Instrument :

MSVOA_X

ClientSampleId :

VX0829WBSD02

Tot Ion: 83 Resp: 100864

Ion Ratio Lower Upper

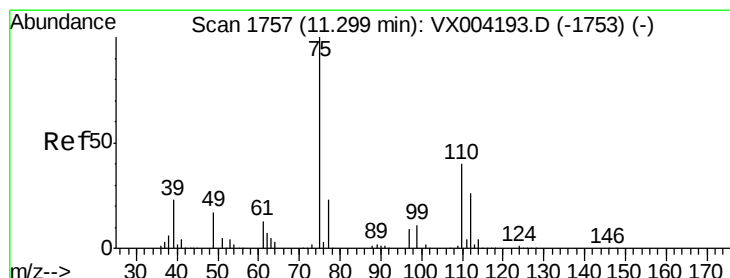
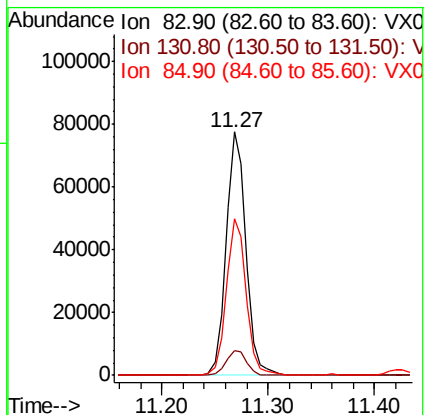
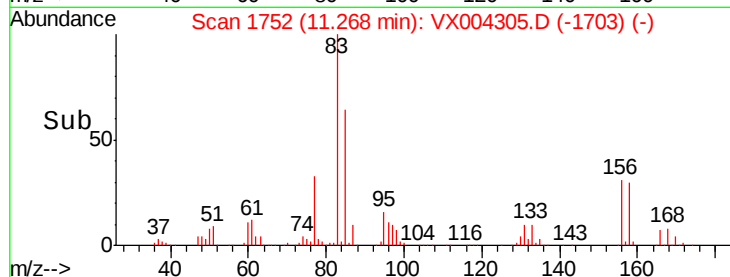
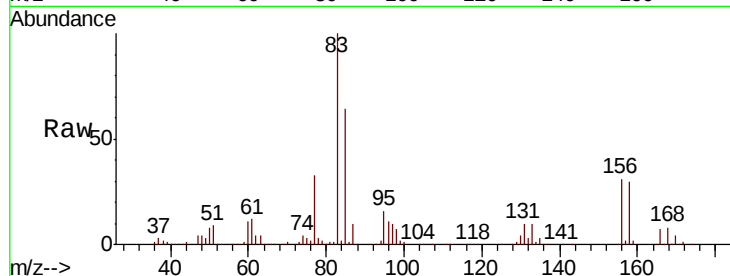
83 100

131 10.5 5.2 15.6

85 64.5 32.3 96.8

Manual Integrations
APPROVED

MMDadoda
8/30/2018 1:38:38 PM



#76

1,2,3-Trichloropropane

Concen: 24.57 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX004305.D

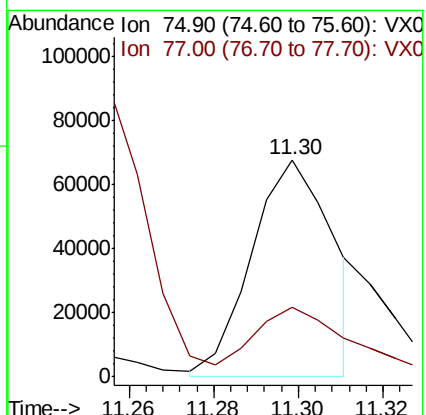
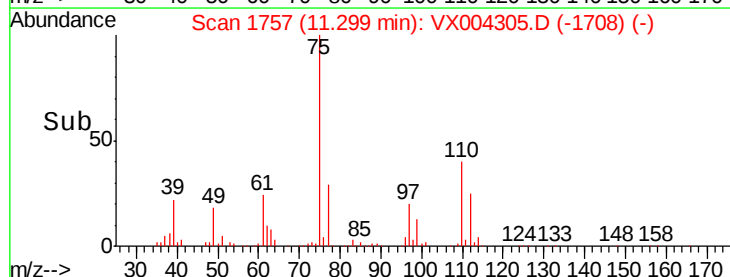
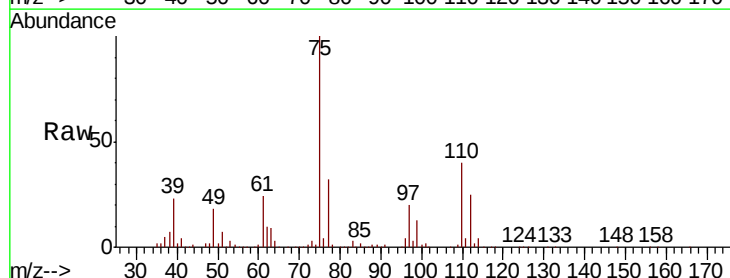
Acq: 29 Aug 2018 21:37

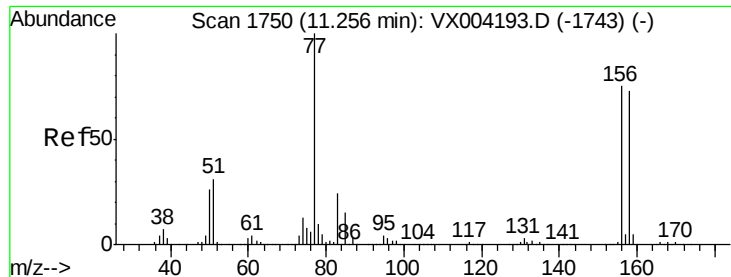
Tgt Ion: 75 Resp: 91030

Ion Ratio Lower Upper

75 100

77 38.6 20.2 60.6





#77

Bromobenzene

Concen: 22.43 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004305.D

Acq: 29 Aug 2018 21:37

Instrument :

MSVOA_X

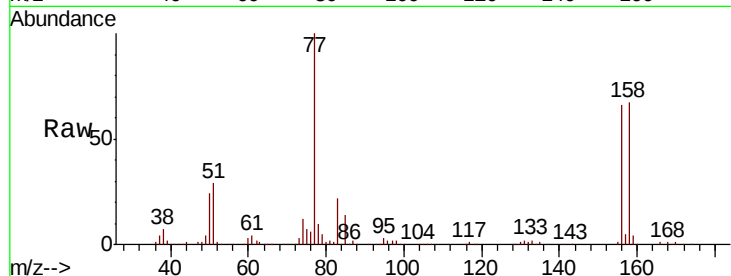
ClientSampleId :

VX0829WBSD02

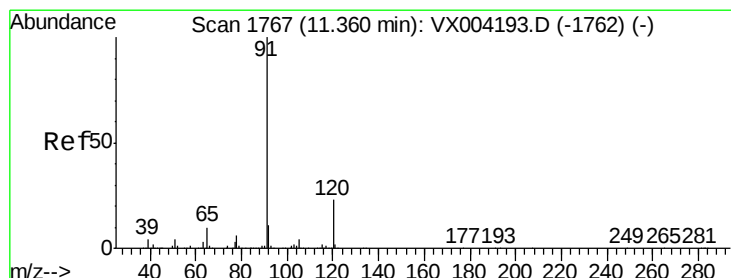
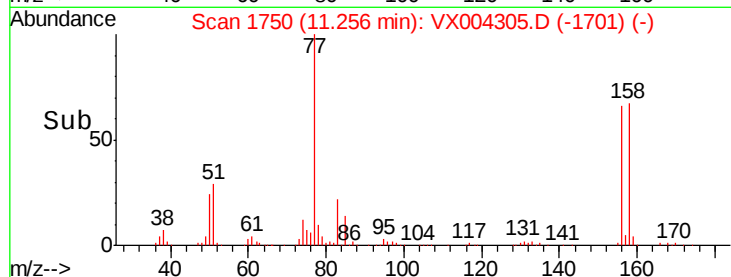
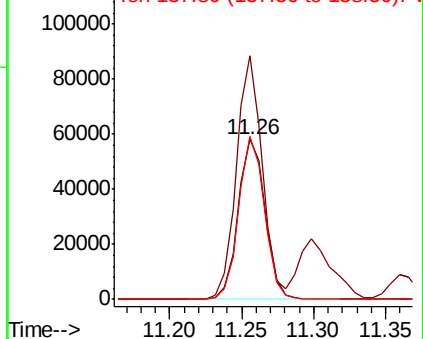
Tot Ion:	156	Resp:	75257
Ion	Ratio	Lower	Upper
156	100		
77	147.1	71.5	214.3
158	98.2	48.9	146.8

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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: 20.42 ug/l

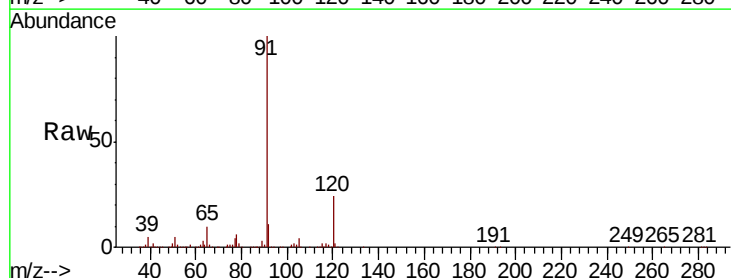
RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

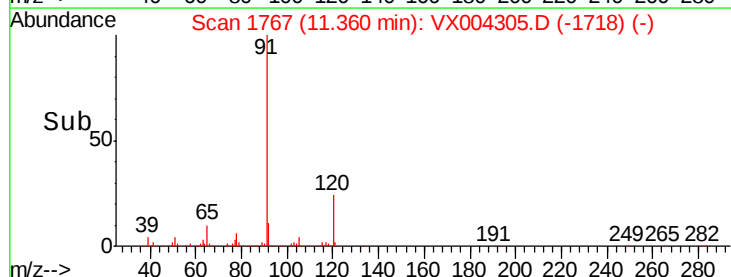
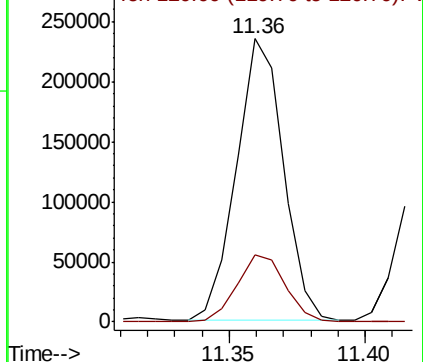
Lab File: VX004305.D

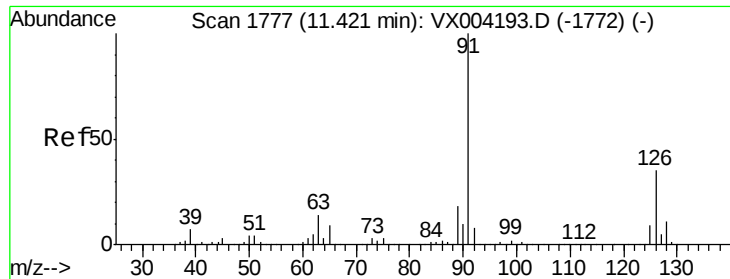
Acq: 29 Aug 2018 21:37

Tgt Ion:	91	Resp:	280998
Ion	Ratio	Lower	Upper
91	100		
120	24.4	11.9	35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.99 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX004305.D

Acq: 29 Aug 2018 21:37

Instrument :

MSVOA_X

ClientSampleId :

VX0829WBSD02

Tot Ion: 91 Resp: 186216

Ion Ratio Lower Upper

91 100

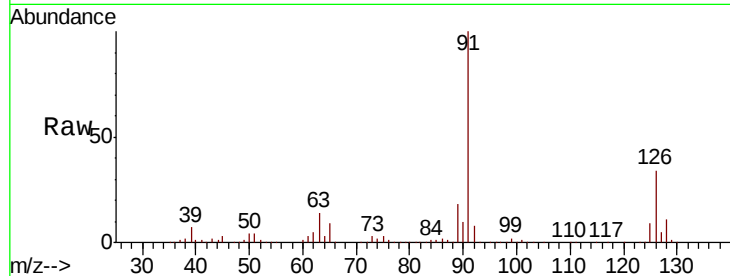
126 35.7 17.9 53.7

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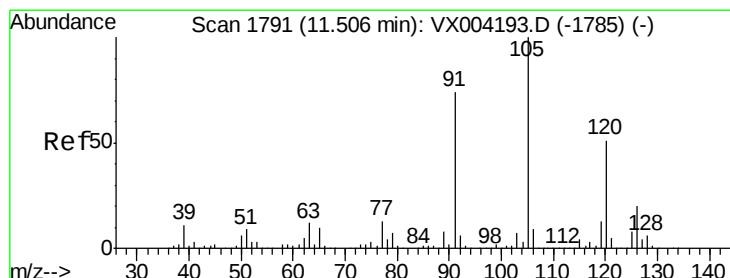
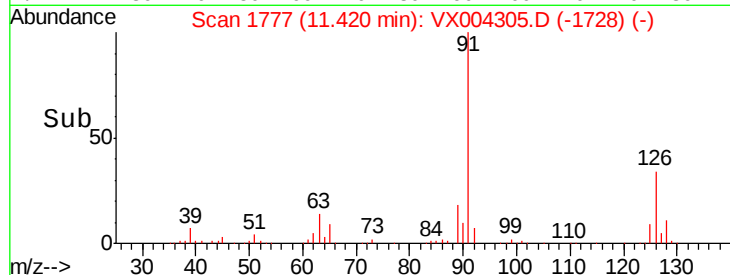
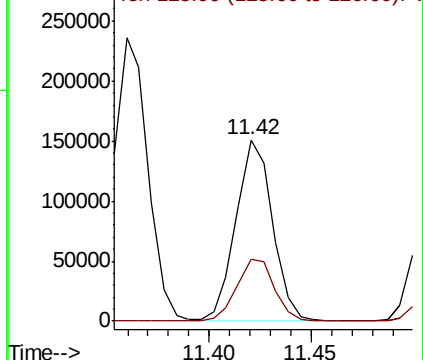
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.65 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX004305.D

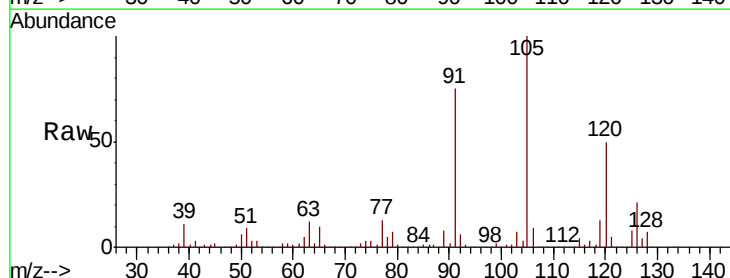
Acq: 29 Aug 2018 21:37

Tgt Ion:105 Resp: 214471

Ion Ratio Lower Upper

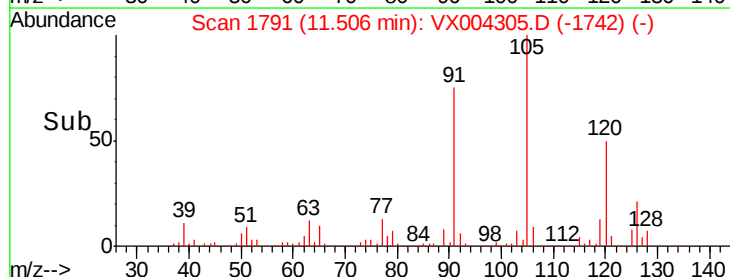
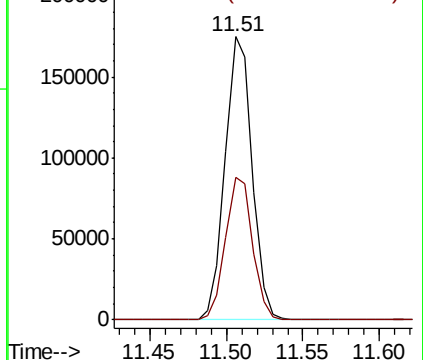
105 100

120 50.7 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





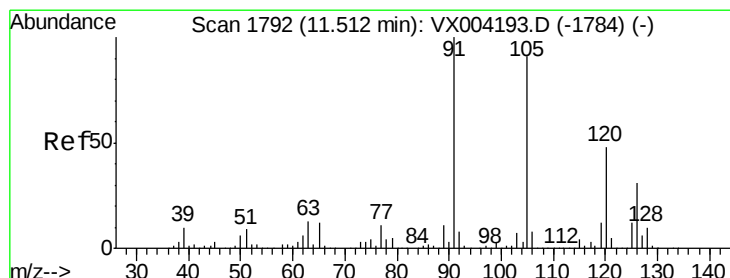
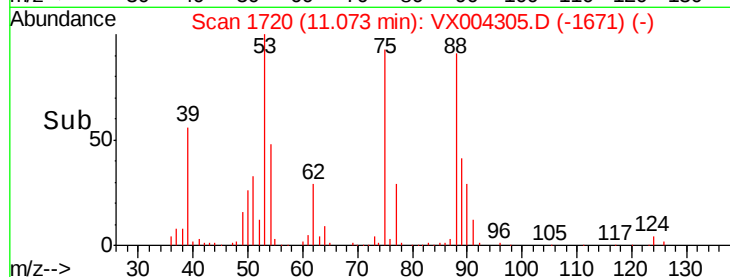
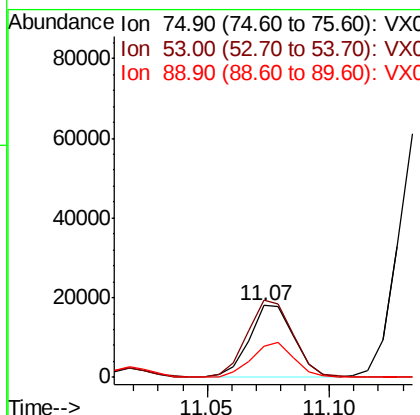
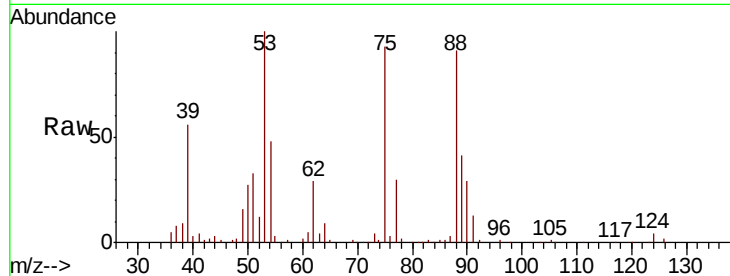
#81
trans-1,4-Dichloro-2-butene
Concen: 20.05 ug/l
RT: 11.07 min Scan# 1720
Delta R.T. -0.00 min
Lab File: VX004305.D
Acq: 29 Aug 2018 21:37

Instrument :
MSVOA_X
ClientSampleId :
VX0829WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	109.4	80.1	120.1
89	47.2	37.2	55.8

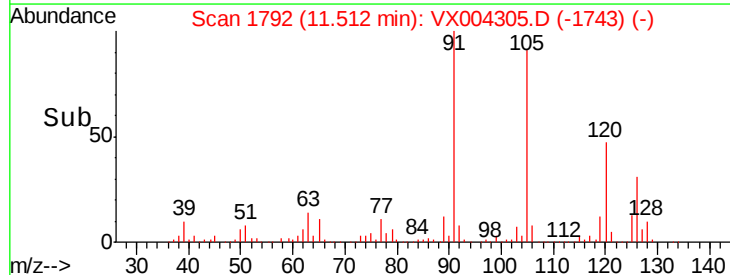
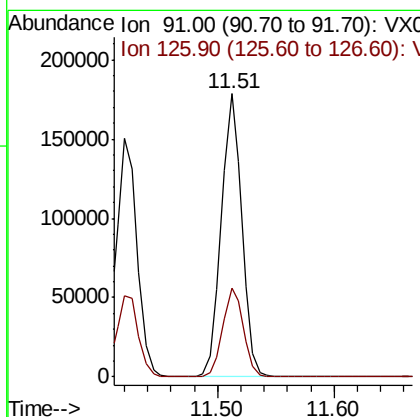
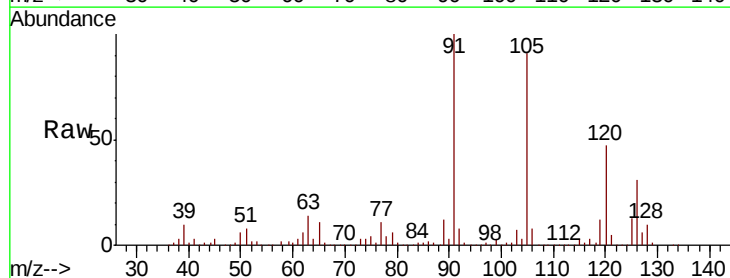
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#82
4-Chlorotoluene
Concen: 21.71 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004305.D
Acq: 29 Aug 2018 21:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.9	15.5	46.5





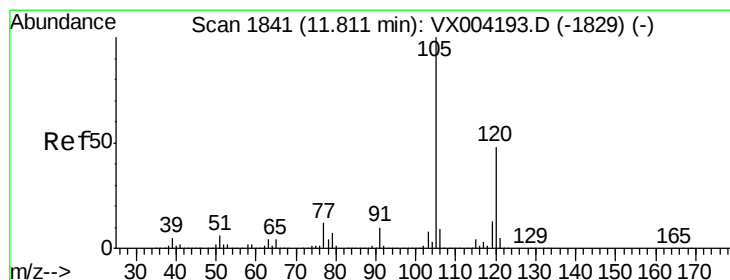
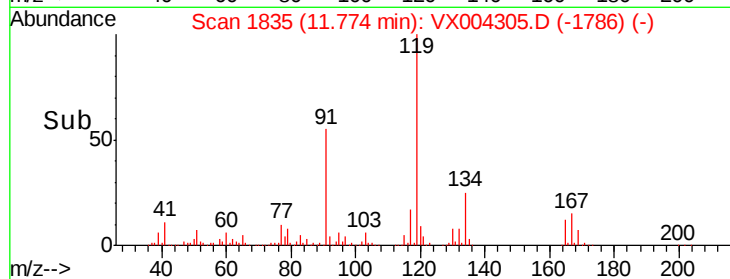
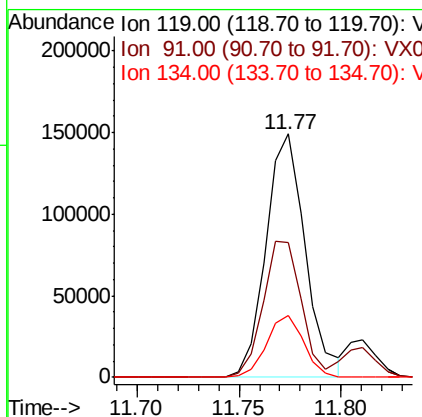
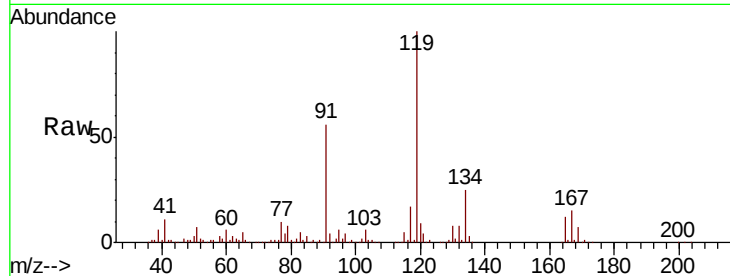
#83
 tert-Butylbenzene
 Concen: 20.09 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX004305.D
 Acq: 29 Aug 2018 21:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	200260		
91	54.6	27.0	81.0	
134	24.5	11.7	35.1	

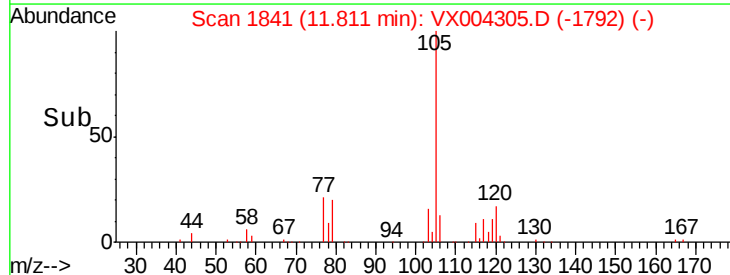
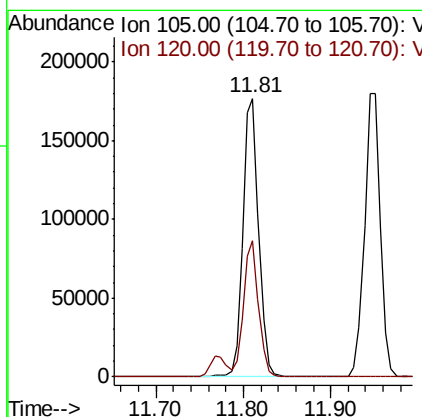
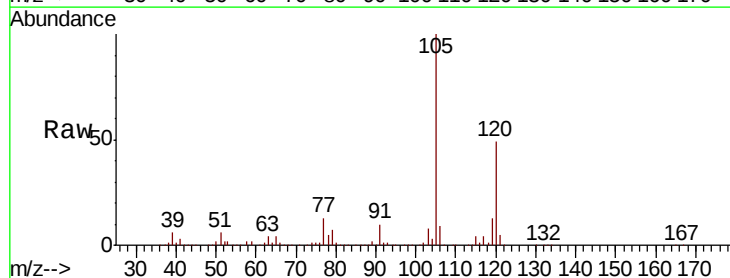
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.80 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX004305.D
 Acq: 29 Aug 2018 21:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	221670		
120	46.7	23.2	69.6	





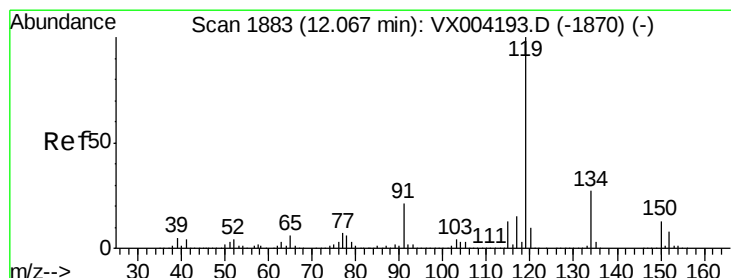
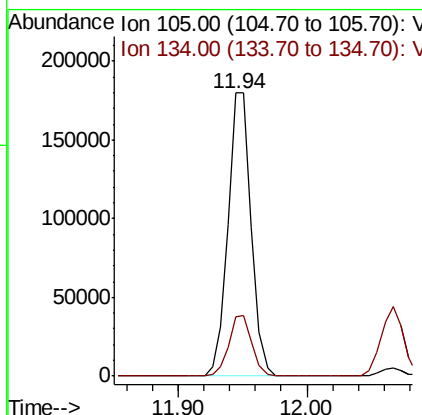
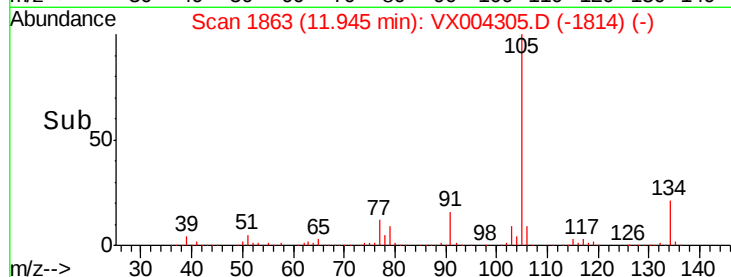
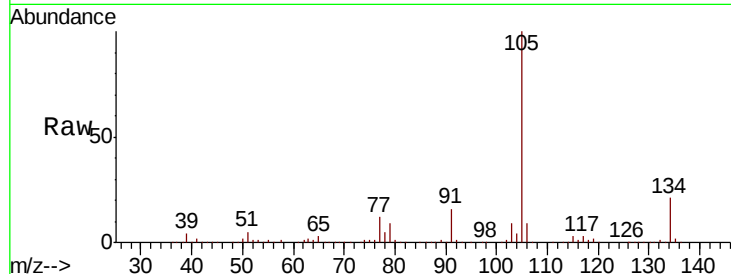
#85
 sec-Butylbenzene
 Concen: 19.24 ug/l
 RT: 11.94 min Scan# 1863
 Delta R.T. -0.00 min
 Lab File: VX004305.D
 Acq: 29 Aug 2018 21:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829WBSD02

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.2	10.5	31.5

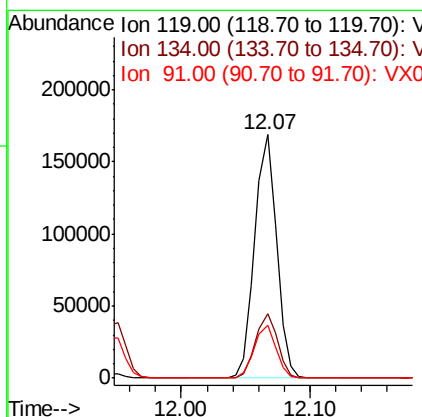
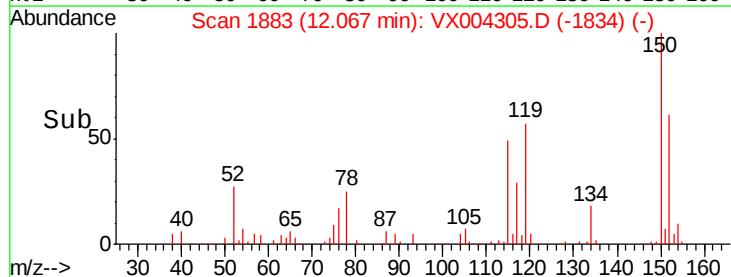
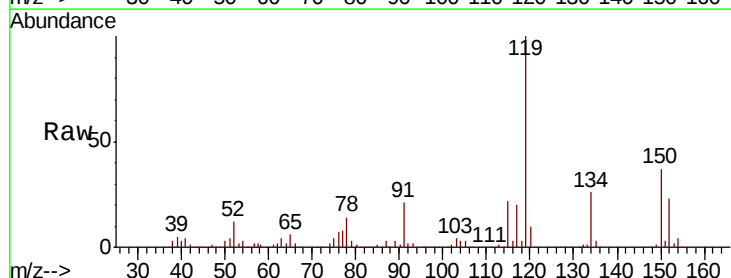
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#86
 p-Isopropyltoluene
 Concen: 18.69 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX004305.D
 Acq: 29 Aug 2018 21:37

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





#87

1,3-Dichlorobenzene

Concen: 20.70 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.01 min

Lab File: VX004305.D

Acq: 29 Aug 2018 21:37

Instrument :

MSVOA_X

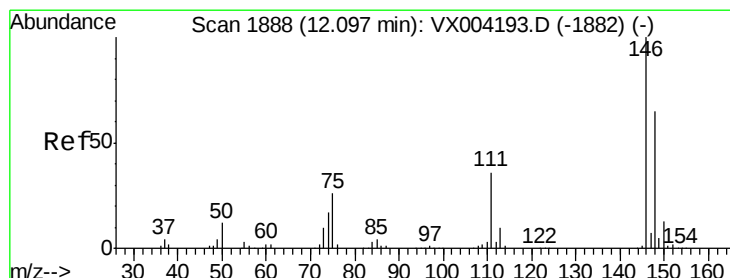
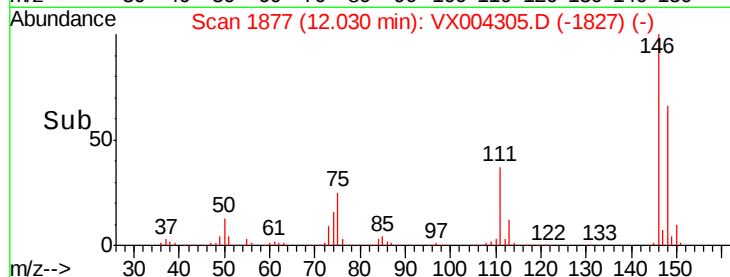
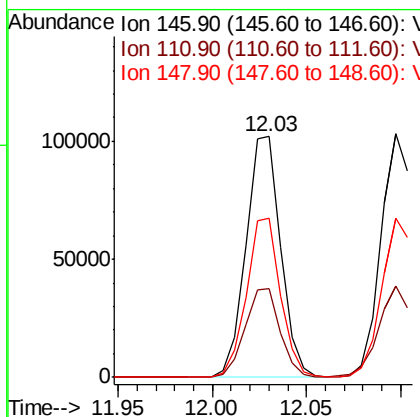
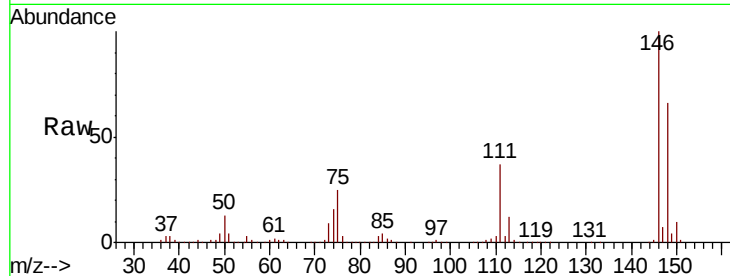
ClientSampleId :

VX0829WBSD02

Tot Ion:	146	Resp:	130765
Ion Ratio	Lower	Upper	
146	100		
111	37.2	18.7	56.1
148	64.4	32.1	96.5

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#88

1,4-Dichlorobenzene

Concen: 19.36 ug/l

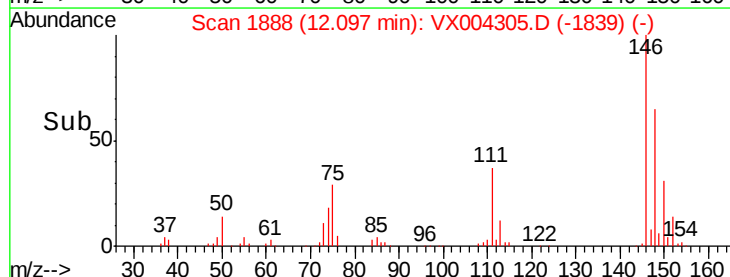
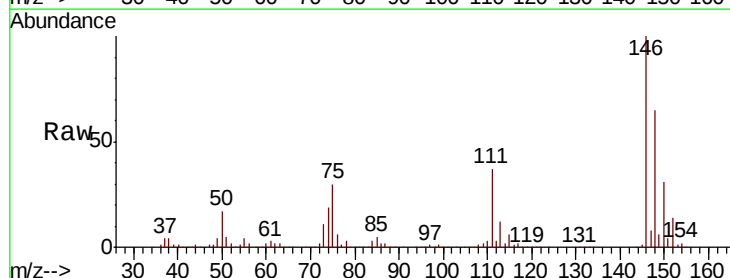
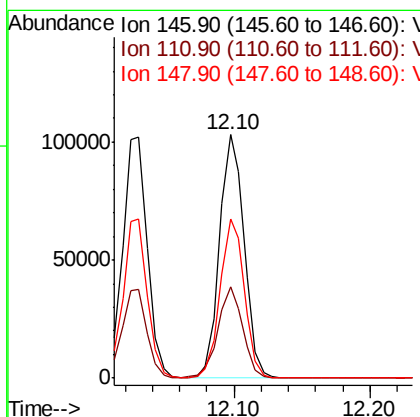
RT: 12.10 min Scan# 1888

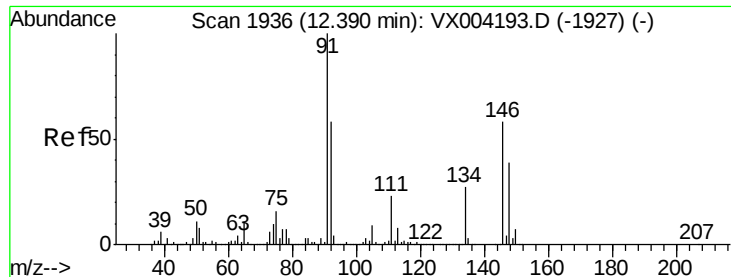
Delta R.T. -0.00 min

Lab File: VX004305.D

Acq: 29 Aug 2018 21:37

Tgt Ion:	146	Resp:	128963
Ion Ratio	Lower	Upper	
146	100		
111	37.9	18.1	54.1
148	64.6	32.0	96.0





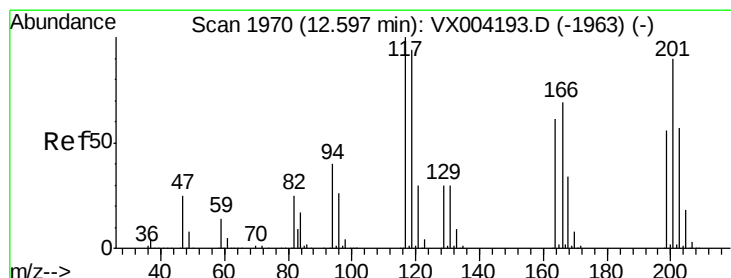
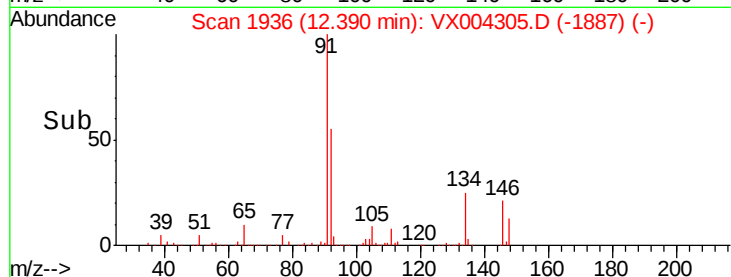
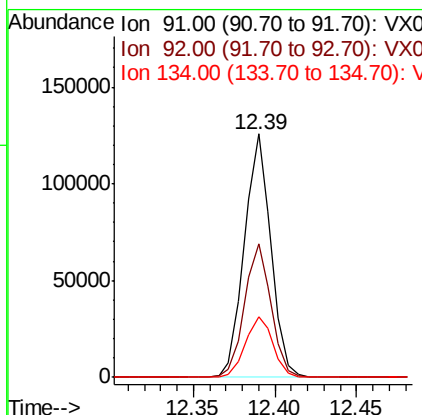
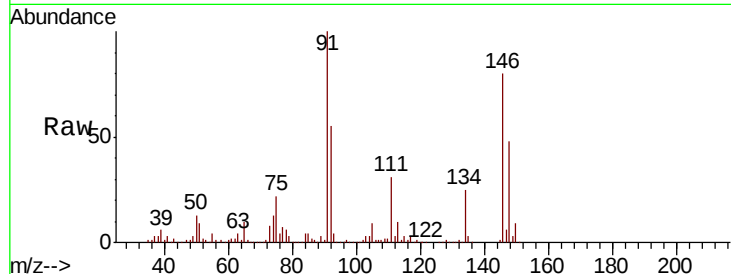
#89
n-Butylbenzene
Concen: 16.61 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004305.D
Acq: 29 Aug 2018 21:37

Instrument :
MSVOA_X
ClientSampleId :
VX0829WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.3	81.9
134	25.9	13.6	40.7

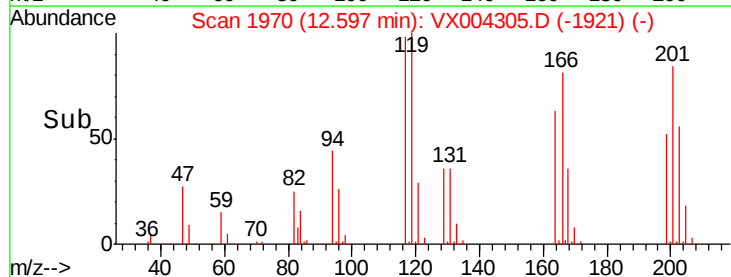
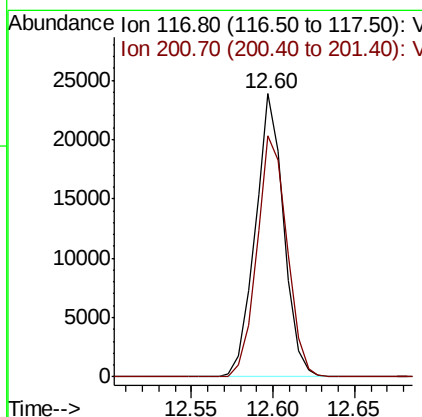
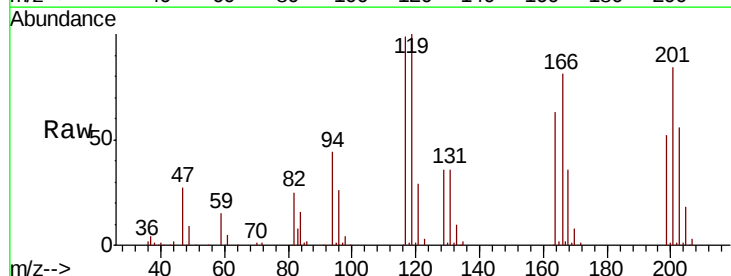
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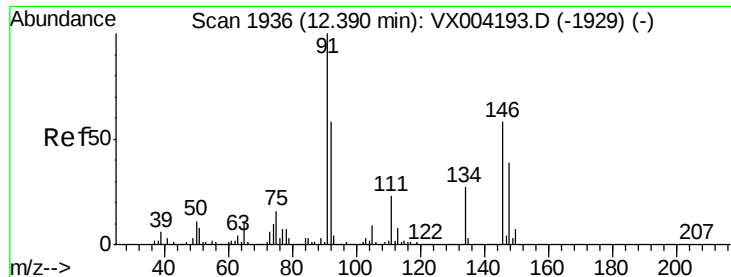
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#90
Hexachloroethane
Concen: 19.39 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX004305.D
Acq: 29 Aug 2018 21:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.0	46.9	140.6





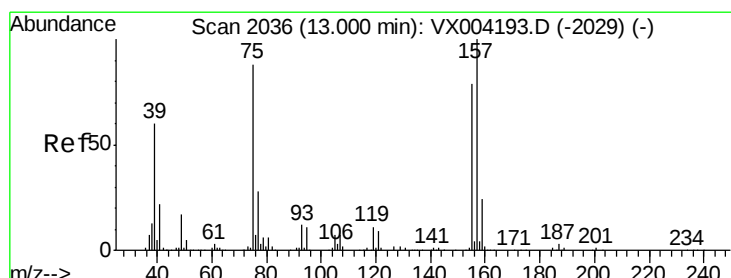
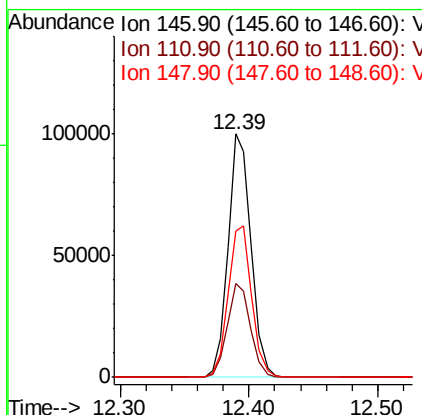
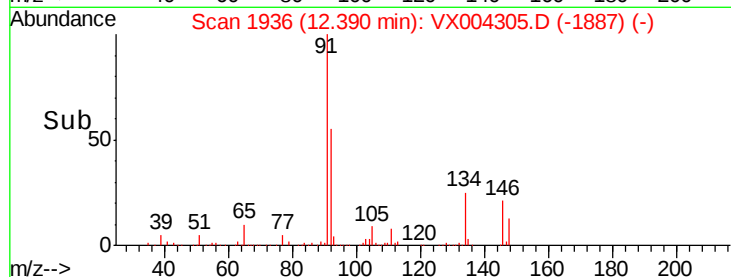
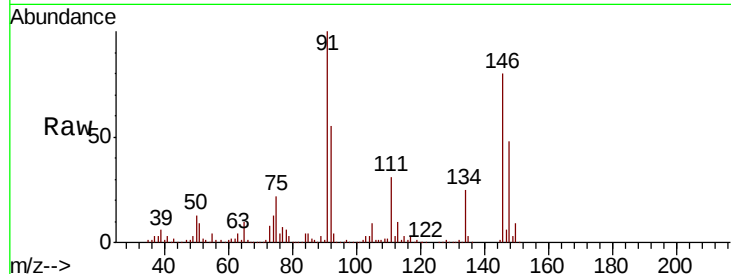
#91
 1,2-Dichlorobenzene
 Concen: 21.64 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VX004305.D
 Acq: 29 Aug 2018 21:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	124967		
111	39.3	19.4	58.1	
148	63.8	32.8	98.3	

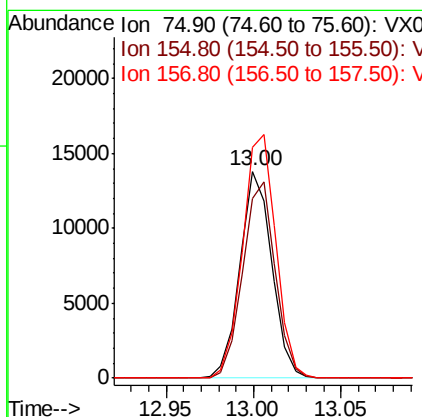
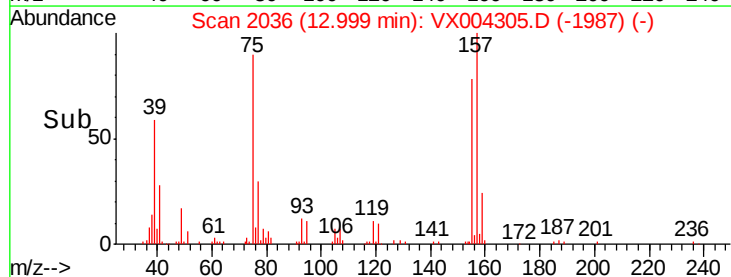
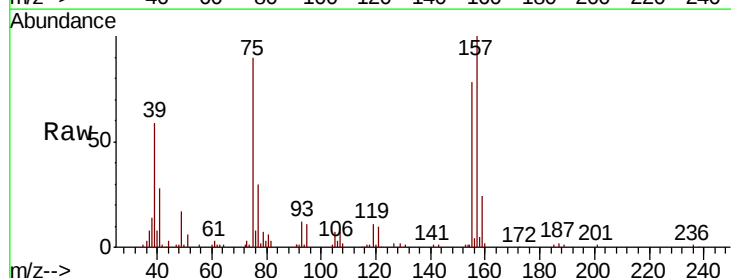
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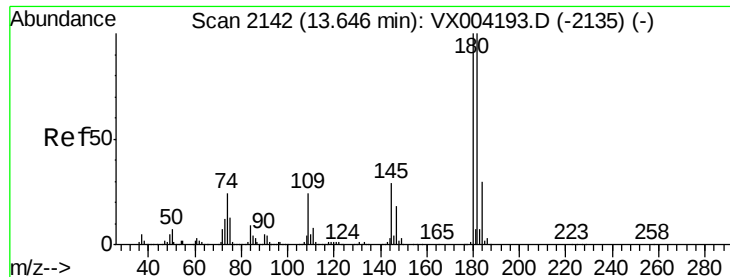
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.77 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VX004305.D
 Acq: 29 Aug 2018 21:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	17528		
155	96.4	48.0	144.2	
157	122.1	61.4	184.1	





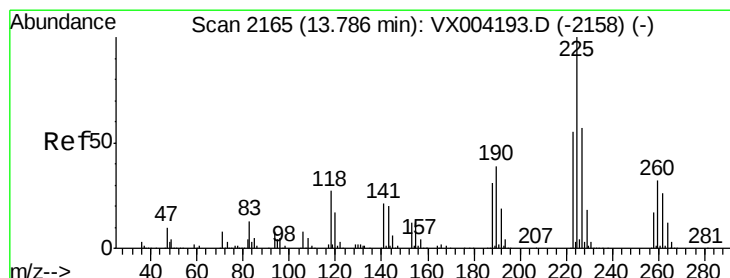
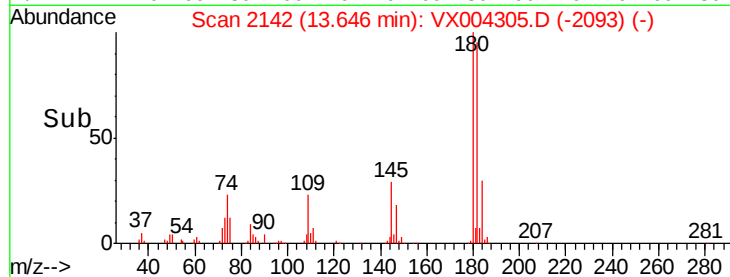
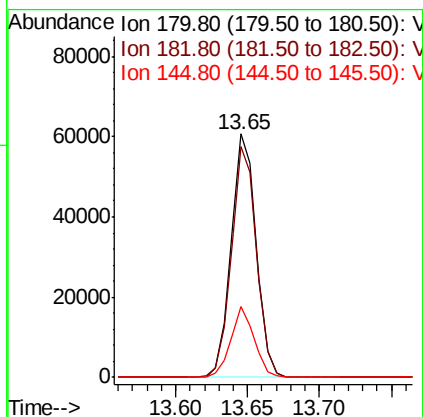
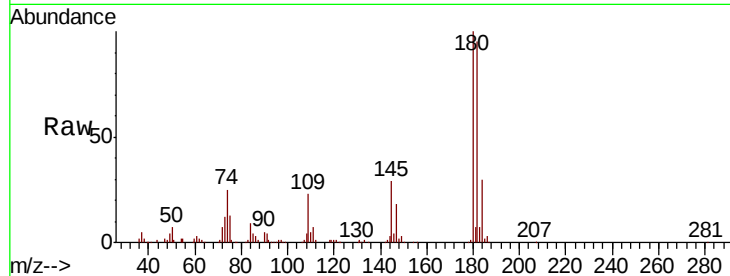
#93
 1,2,4-Trichlorobenzene
 Concen: 17.62 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004305.D
 Acq: 29 Aug 2018 21:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829WBSD02

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	48.4	145.0
145	27.5	14.3	42.9

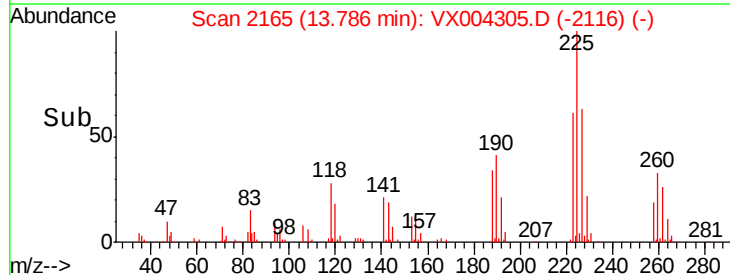
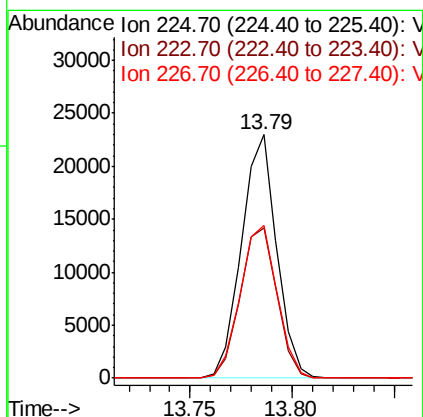
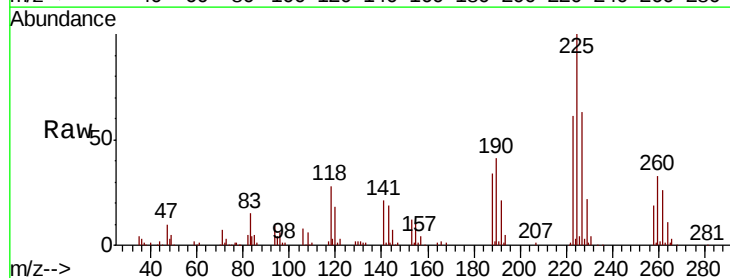
Manual Integrations
 APPROVED

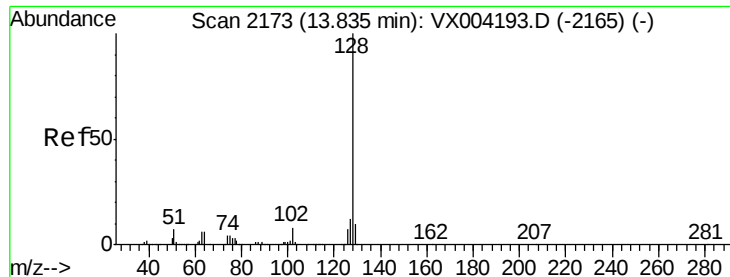
MMDadoda
 8/30/2018 1:38:38 PM



#94
 Hexachlorobutadiene
 Concen: 13.98 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX004305.D
 Acq: 29 Aug 2018 21:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.2	30.1	90.5
227	65.6	30.8	92.4





#95

Naphthalene

Concen: 20.25 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.00 min

Lab File: VX004305.D

Acq: 29 Aug 2018 21:37

Instrument :

MSVOA_X

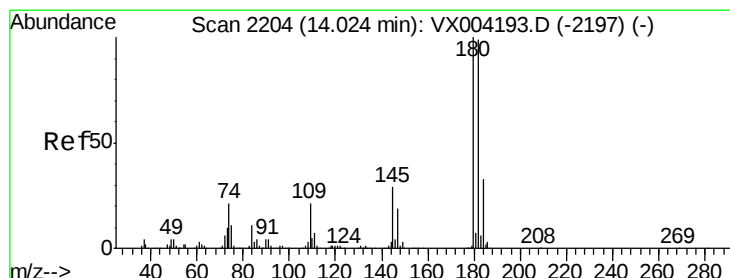
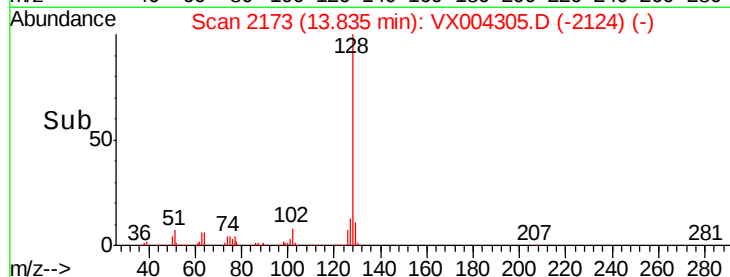
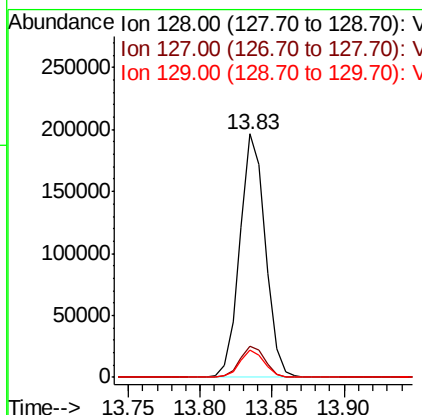
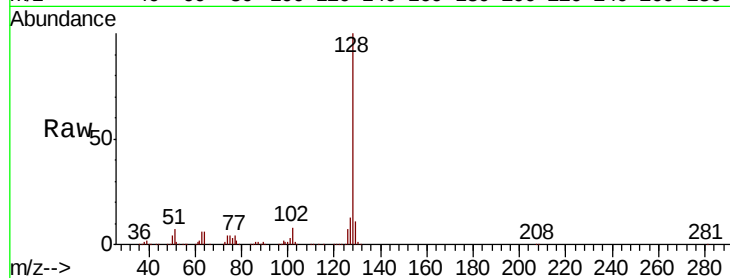
ClientSampleId :

VX0829WBSD02

Tot Ion:	128	Resp:	240606
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.2
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
8/30/2018 1:38:38 PM



#96

1,2,3-Trichlorobenzene

Concen: 17.93 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX004305.D

Acq: 29 Aug 2018 21:37

Tgt Ion:	180	Resp:	79743
Ion Ratio	Lower	Upper	
180	100		
182	96.6	48.5	145.6
145	30.1	14.9	44.9

