

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082418\
 Data File : VX004257.D
 Acq On : 24 Aug 2018 19:48
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/27/2018 3:12:25 PM

Quant Time: Aug 25 02:14:56 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	5.67	168	319411	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	476244	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	408289	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	274348	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	209368	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	
35) Dibromofluoromethane	5.50	113	178959	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
50) Toluene-d8	8.71	98	682687	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	
62) 4-Bromofluorobenzene	11.14	95	257073	51.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.04%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.19	85	190598	51.518 ug/l	100
3) Chloromethane	1.32	50	191196	46.779 ug/l	99
4) Vinyl Chloride	1.40	62	208921	49.920 ug/l	99
5) Bromomethane	1.64	94	81644	39.137 ug/l	98
6) Chloroethane	1.71	64	136049	45.659 ug/l	99
7) Trichlorofluoromethane	1.92	101	285878	49.847 ug/l	96
8) Diethyl Ether	2.18	74	125869	51.253 ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	175197	48.772 ug/l	99
10) Methyl Iodide	2.51	142	156779	39.644 ug/l	99
11) Tert butyl alcohol	3.08	59	229064	258.123 ug/l	100
12) 1,1-Dichloroethene	2.37	96	166825	49.302 ug/l	94
13) Acrolein	2.29	56	67446	315.248 ug/l	96
14) Allyl chloride	2.72	41	306423	49.288 ug/l	99
15) Acrylonitrile	3.15	53	542361	246.783 ug/l	99
16) Acetone	2.45	43	439124	258.672 ug/l	99
17) Carbon Disulfide	2.56	76	456799	48.631 ug/l	99
18) Methyl Acetate	2.78	43	339183	54.903 ug/l	100
19) Methyl tert-butyl Ether	3.20	73	565689	50.729 ug/l	98
20) Methylene Chloride	2.85	84	190845	47.622 ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	178727	47.720 ug/l	97
22) Diisopropyl ether	3.87	45	577447	49.747 ug/l	99
23) Vinyl Acetate	3.82	43	2354656	250.281 ug/l	99
24) 1,1-Dichloroethane	3.69	63	330973	48.926 ug/l	99
25) 2-Butanone	4.70	43	710598	254.790 ug/l	100
26) 2,2-Dichloropropane	4.58	77	223617	42.146 ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	212800	50.094 ug/l	97
28) Bromochloromethane	5.01	49	150145	50.133 ug/l	99
29) Tetrahydrofuran	5.16	42	451212	252.261 ug/l	99
30) Chloroform	5.21	83	335429	49.455 ug/l	98
31) Cyclohexane	5.57	56	294307	50.423 ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	283898	50.197 ug/l	100
36) 1,1-Dichloropropene	5.80	75	255535	47.727 ug/l	99
37) Ethyl Acetate	4.86	43	259991	49.375 ug/l	100
38) Carbon Tetrachloride	5.78	117	247102	49.061 ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	300953	49.233	ug/l	99
40) Benzene	6.14	78	789097	49.324	ug/l	100
41) Methacrylonitrile	5.06	41	151331	49.581	ug/l	100
42) 1,2-Dichloroethane	6.20	62	264187	48.412	ug/l	100
43) Isopropyl Acetate	6.46	43	416066	51.422	ug/l	100
44) Trichloroethene	7.21	130	212300	47.940	ug/l	98
45) 1,2-Dichloropropane	7.52	63	195608	48.852	ug/l	99
46) Dibromomethane	7.67	93	129666	48.636	ug/l	98
47) Bromodichloromethane	7.90	83	252417	50.882	ug/l	99
48) Methyl methacrylate	7.78	41	222029	51.284	ug/l	99
49) 1,4-Dioxane	7.76	88	103265	1050.540	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1406906	239.316	ug/l	99
52) Toluene	8.79	92	499821	49.910	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	275314	50.247	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	303196	50.801	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	200892	49.694	ug/l	98
56) Ethyl methacrylate	9.18	69	300034	54.520	ug/l	98
57) 1,3-Dichloropropane	9.37	76	339810	49.869	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	751045	266.349	ug/l	100
59) 2-Hexanone	9.50	43	1077826	240.317	ug/l	99
60) Dibromochloromethane	9.59	129	204506	51.923	ug/l	100
61) 1,2-Dibromoethane	9.67	107	211010	50.438	ug/l	99
64) Tetrachloroethene	9.34	164	204040	50.588	ug/l	100
65) Chlorobenzene	10.14	112	521724	50.915	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.23	131	182639	51.676	ug/l	98
67) Ethyl Benzene	10.25	91	905841	54.433	ug/l	98
68) m/p-Xylenes	10.36	106	699030	107.425	ug/l	98
69) o-Xylene	10.70	106	328629	53.390	ug/l	99
70) Styrene	10.71	104	538189	54.000	ug/l	97
71) Bromoform	10.86	173	152659	53.584	ug/l	98
73) Isopropylbenzene	11.02	105	959867	53.270	ug/l	100
74) N-amyl acetate	10.90	43	369280	53.227	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	310060	49.172	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	278632m	49.936	ug/l	
77) Bromobenzene	11.26	156	256982	50.842	ug/l	99
78) n-propylbenzene	11.36	91	1104381	53.290	ug/l	100
79) 2-Chlorotoluene	11.42	91	651864	51.103	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	808142	54.158	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	86856	50.506	ug/l	99
82) 4-Chlorotoluene	11.51	91	766186	51.045	ug/l	100
83) tert-Butylbenzene	11.77	119	808831	53.874	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	827463	54.021	ug/l	99
85) sec-Butylbenzene	11.94	105	945658	53.054	ug/l	100
86) p-Isopropyltoluene	12.07	119	864308	54.107	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	472545	49.655	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	482791	48.116	ug/l	100
89) n-Butylbenzene	12.39	91	684594	52.704	ug/l	99
90) Hexachloroethane	12.60	117	116134	52.015	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	439516	50.532	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	57298	51.590	ug/l	92

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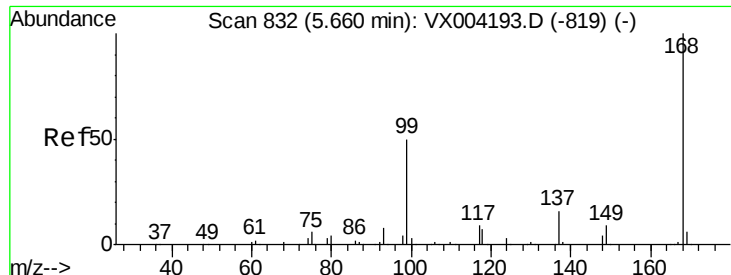
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	318418	50.316	ug/l	97
94) Hexachlorobutadiene	13.79	225	141541	48.072	ug/l	94
95) Naphthalene	13.83	128	1023971	57.208	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	351370	52.449	ug/l	98

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



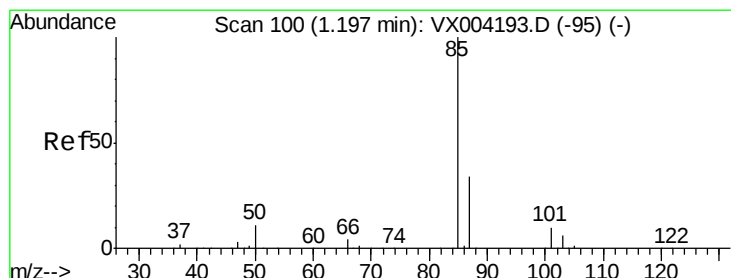
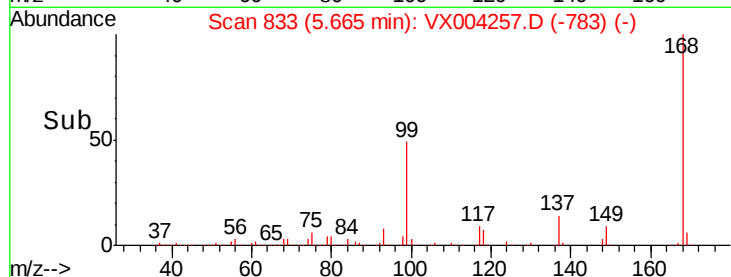
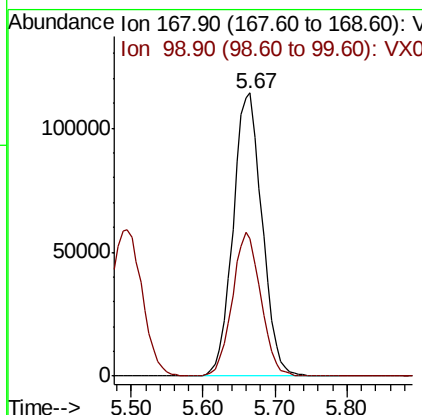
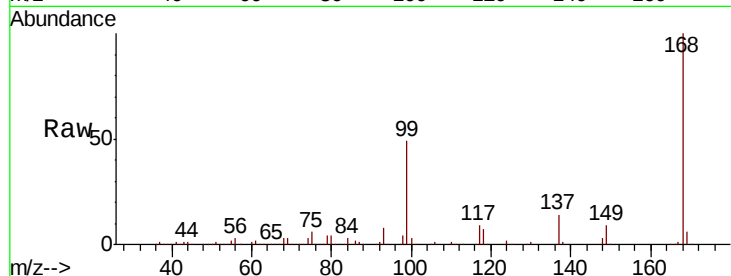
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.01 min
Lab File: VX004257.D
Acq: 24 Aug 2018 19:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
168	100		
99	48.6	39.9	59.9

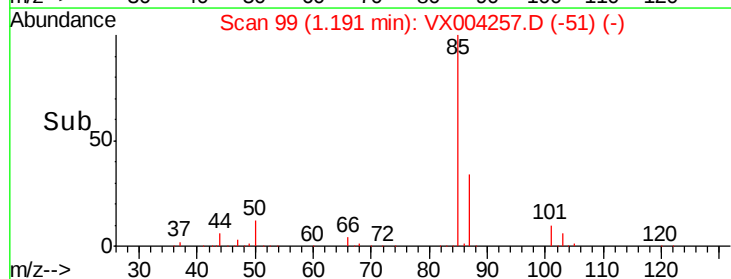
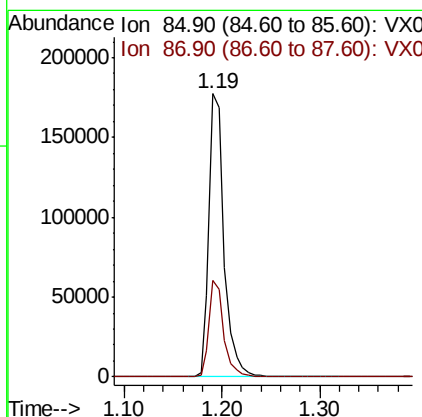
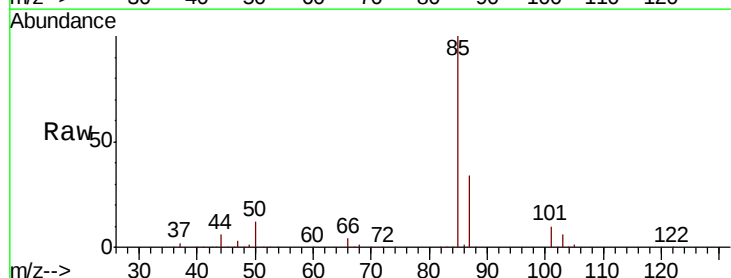
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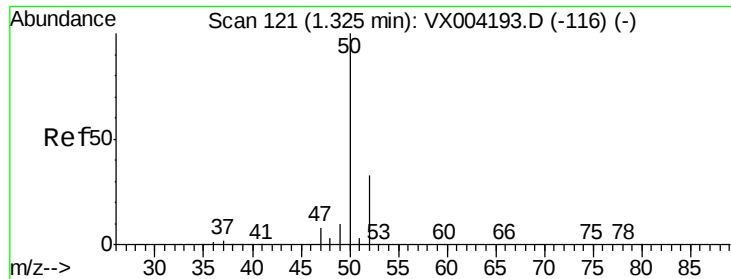
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#2
Dichlorodifluoromethane
Concen: 51.518 ug/l
RT: 1.19 min Scan# 99
Delta R.T. -0.01 min
Lab File: VX004257.D
Acq: 24 Aug 2018 19:48

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.9	17.0	50.9





#3

Chloromethane

Concen: 46.779 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX004257.D

Acq: 24 Aug 2018 19:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 50 Resp: 191196

Ion Ratio Lower Upper

50 100

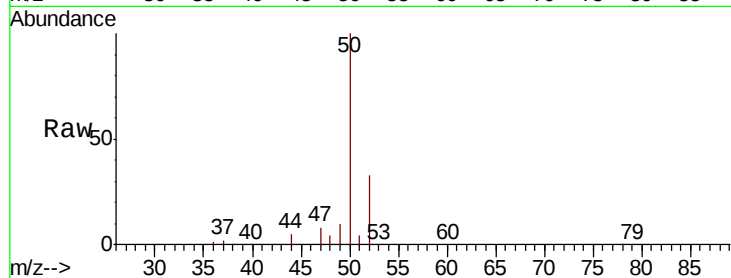
52 33.1 26.2 39.2

Manual Integrations

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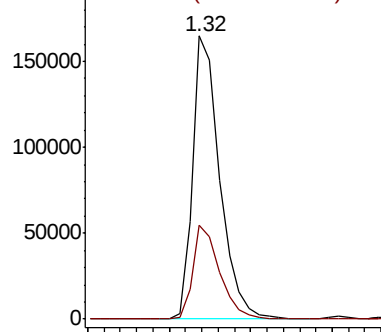
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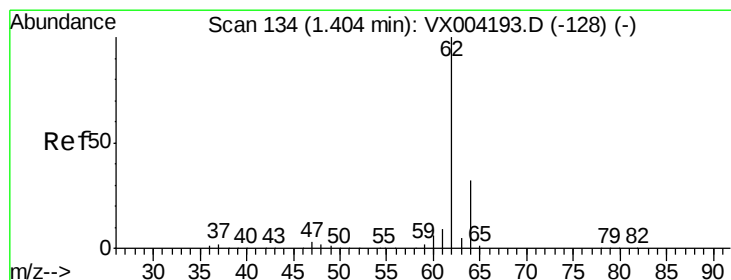
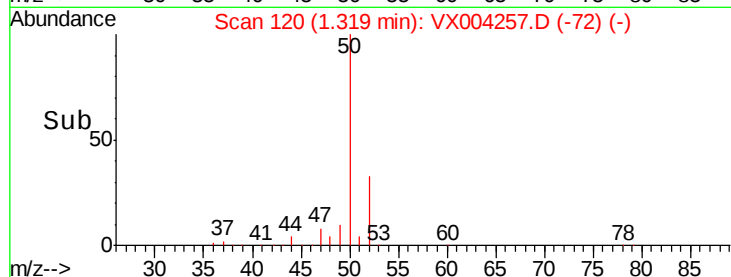


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#4

Vinyl Chloride

Concen: 49.920 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004257.D

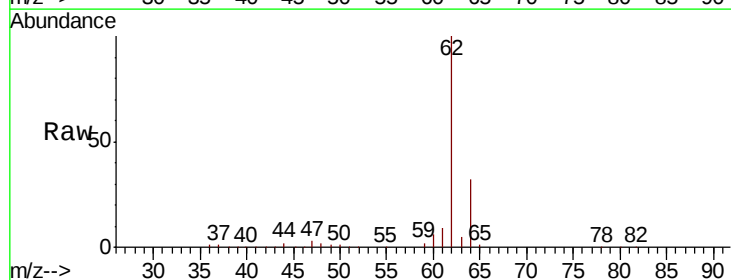
Acq: 24 Aug 2018 19:48

Tgt Ion: 62 Resp: 208921

Ion Ratio Lower Upper

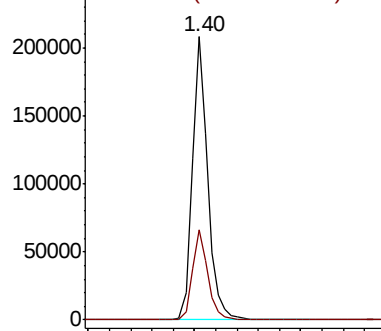
62 100

64 31.6 25.8 38.8

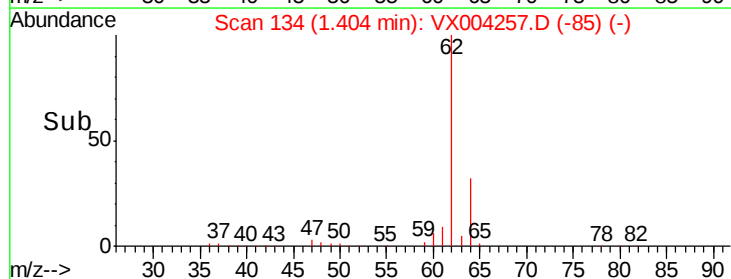


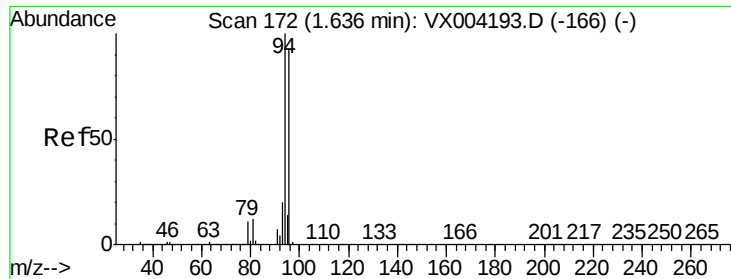
Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time-->





#5

Bromomethane

Concen: 39.137 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004257.D

Acq: 24 Aug 2018 19:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 94 Resp: 81644

Ion Ratio Lower Upper

94 100

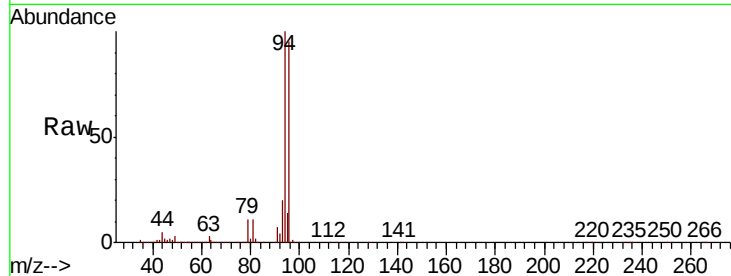
96 95.0 74.5 111.7

Manual Integrations

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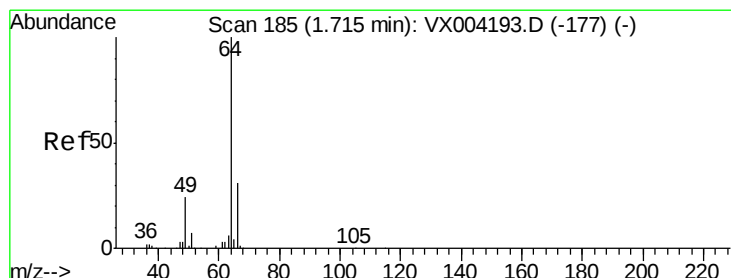
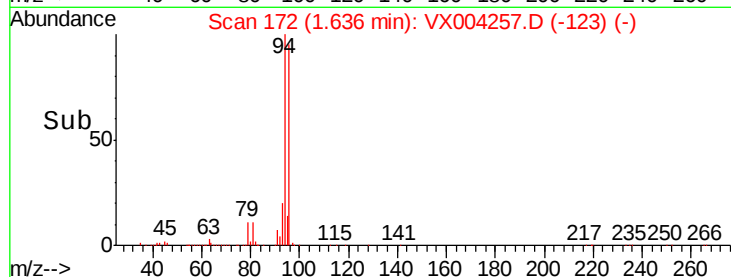
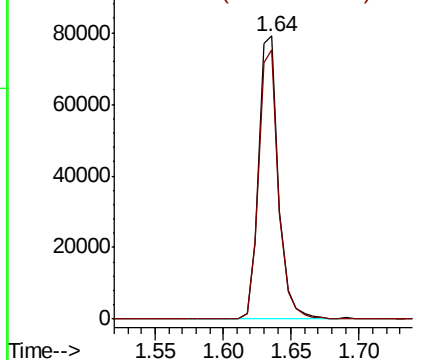
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 45.659 ug/l

RT: 1.71 min Scan# 185

Delta R.T. -0.00 min

Lab File: VX004257.D

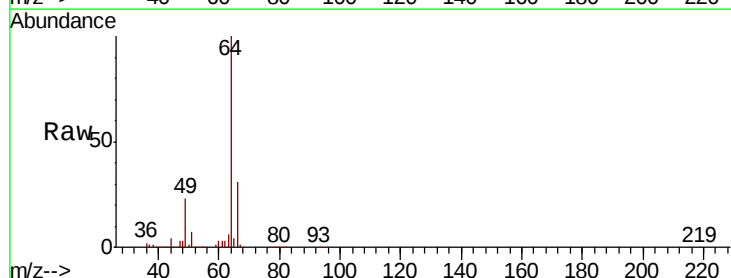
Acq: 24 Aug 2018 19:48

Tgt Ion: 64 Resp: 136049

Ion Ratio Lower Upper

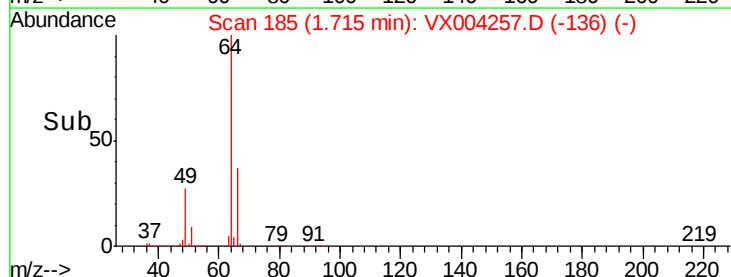
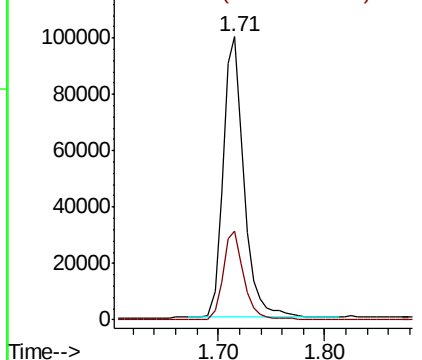
64 100

66 31.4 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

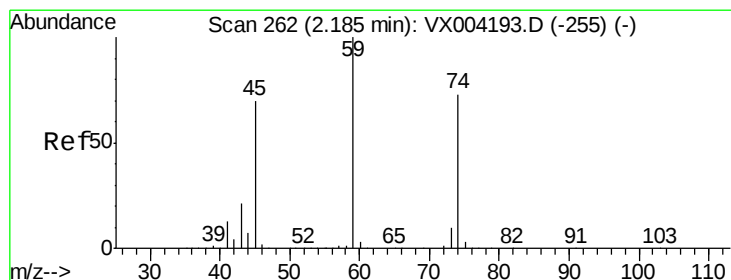
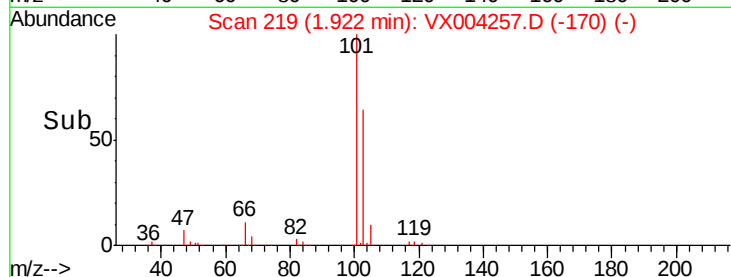
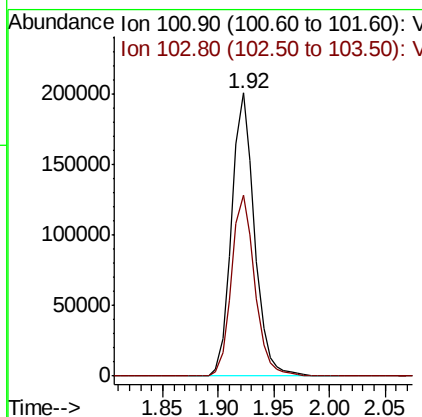
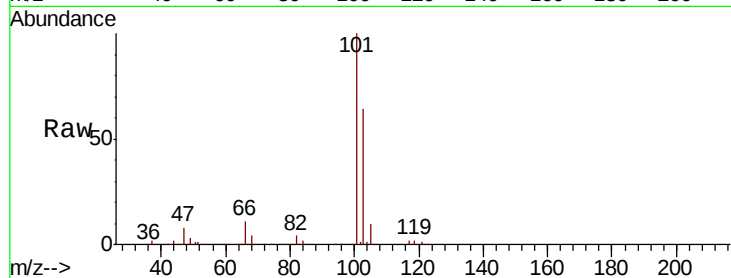
Trichlorofluoromethane
 Concen: 49.847 ug/l
 RT: 1.92 min Scan# 219
 Delta R.T. -0.00 min
 Lab File: VX004257.D
 Acq: 24 Aug 2018 19:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.0	48.9	73.3

Manual Integrations
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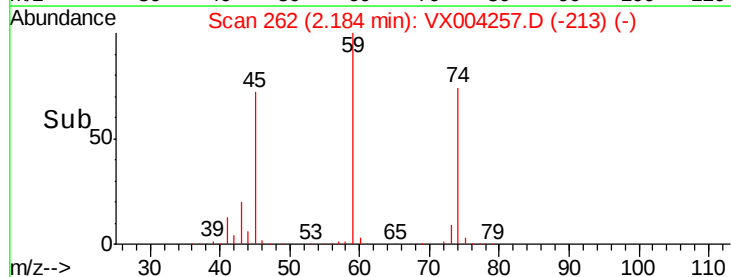
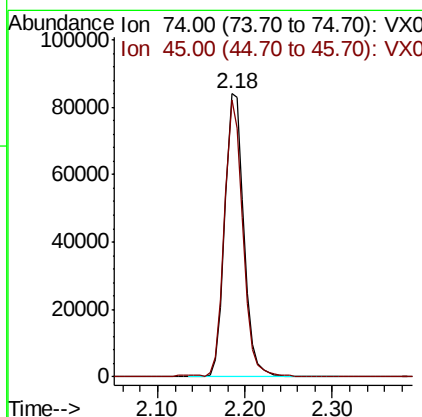
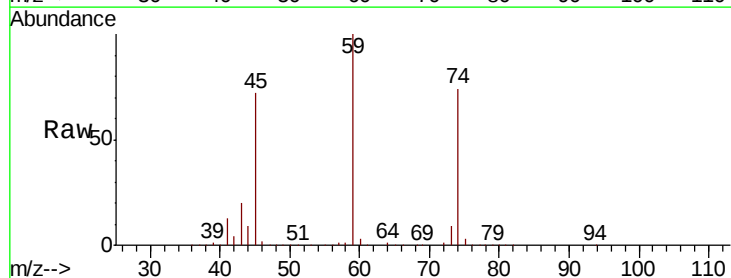
MMDadoda
 8/27/2018 3:12:25 PM

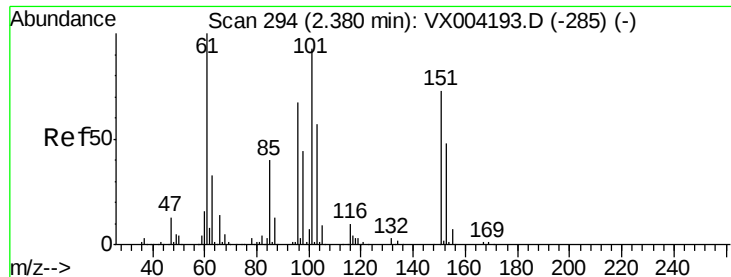


#8

Diethyl Ether
 Concen: 51.253 ug/l
 RT: 2.18 min Scan# 262
 Delta R.T. -0.00 min
 Lab File: VX004257.D
 Acq: 24 Aug 2018 19:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.8	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.772 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.00 min

Lab File: VX004257.D

Acq: 24 Aug 2018 19:48

Instrument :

MSVOA_X

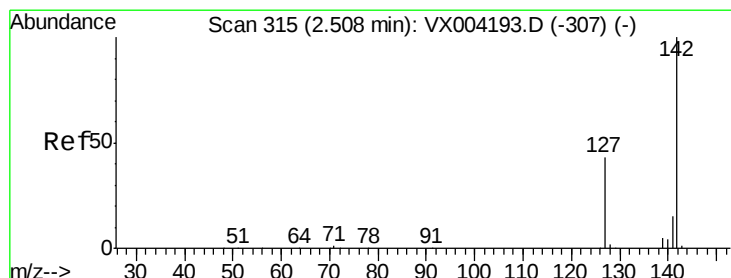
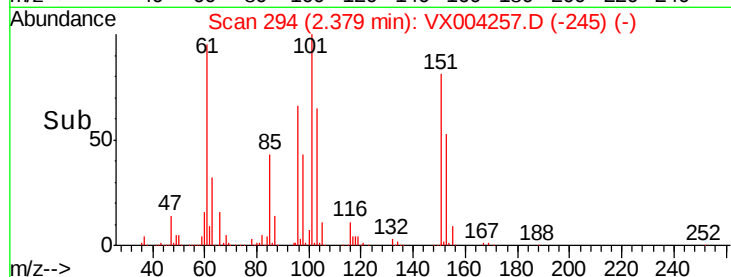
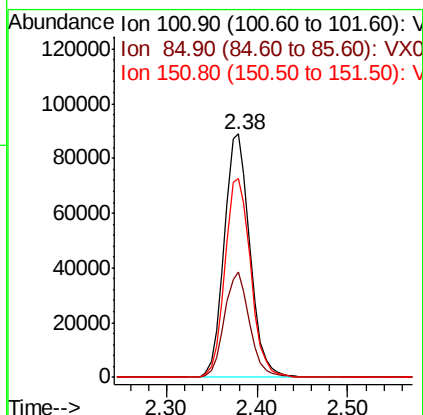
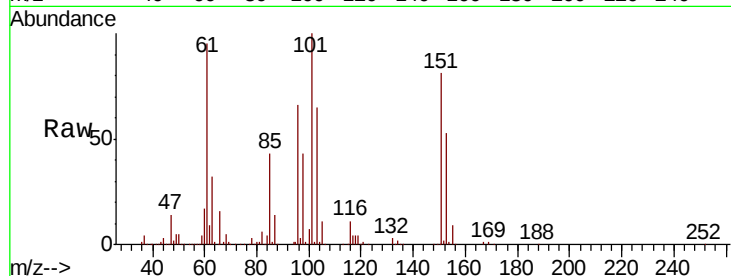
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	101	Resp:	175197
Ion Ratio	Lower	Upper	
101	100		
85	42.3	34.2	51.4
151	81.8	65.0	97.6

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#10

Methyl Iodide

Concen: 39.644 ug/l

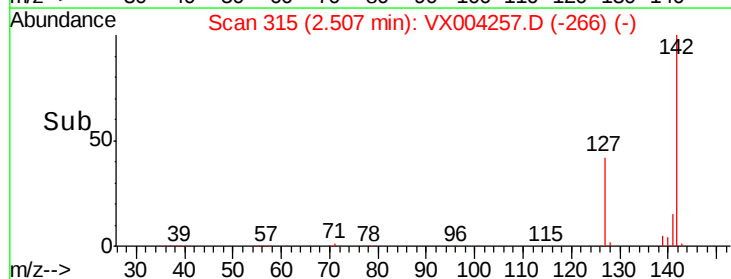
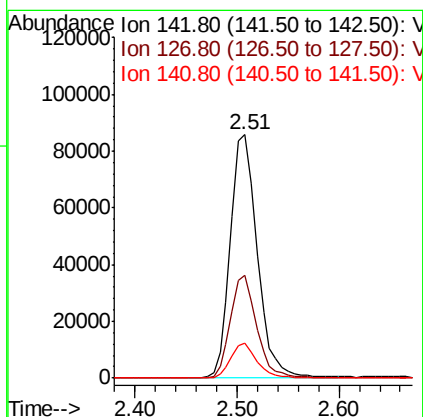
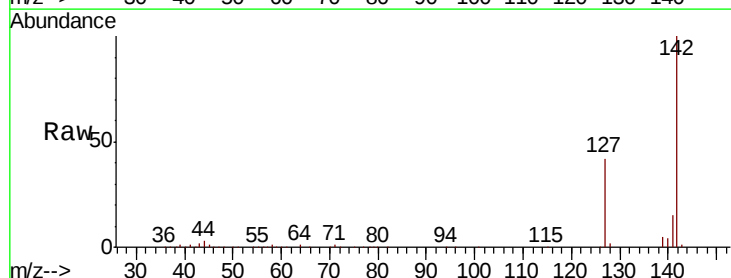
RT: 2.51 min Scan# 315

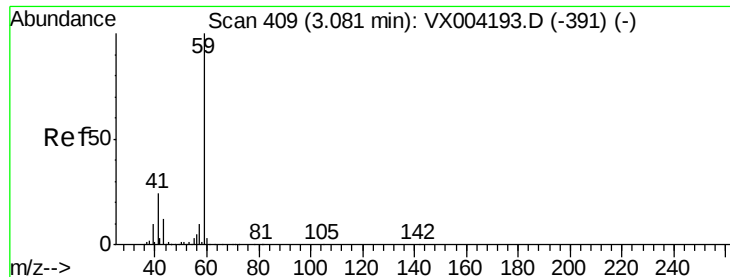
Delta R.T. 0.00 min

Lab File: VX004257.D

Acq: 24 Aug 2018 19:48

Tgt Ion:	142	Resp:	156779
Ion Ratio	Lower	Upper	
142	100		
127	41.4	33.8	50.6
141	13.9	11.4	17.0





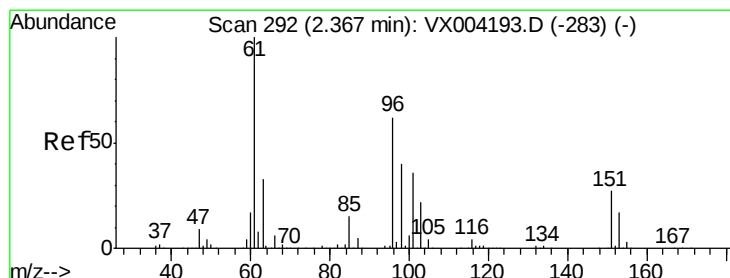
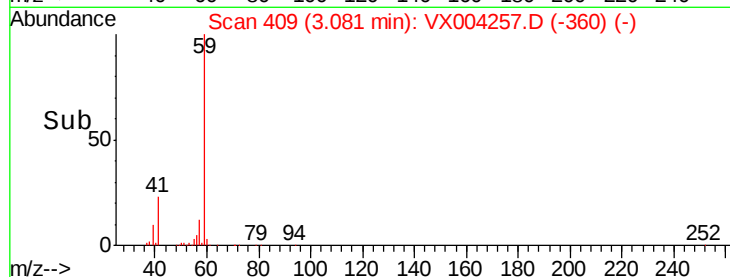
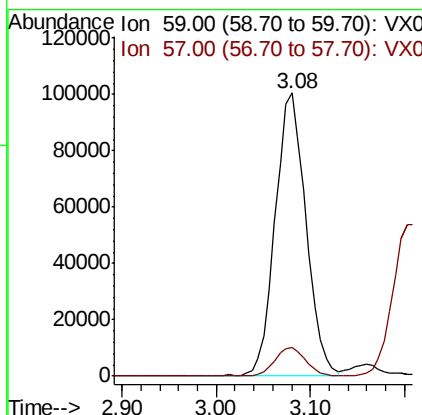
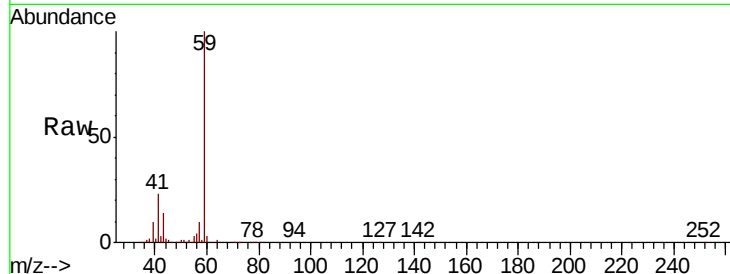
#11
Tert butyl alcohol
Concen: 258.123 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.00 min
Lab File: VX004257.D
Acq: 24 Aug 2018 19:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 229064
Ion Ratio Lower Upper
59 100
57 10.2 8.2 12.4

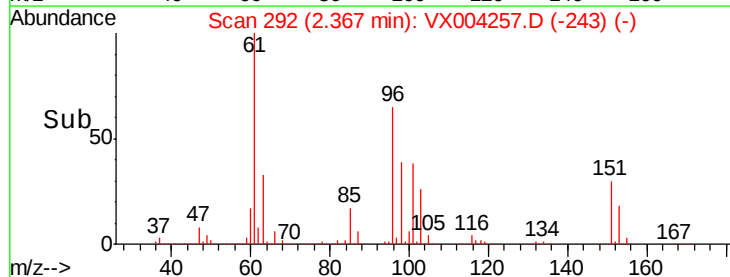
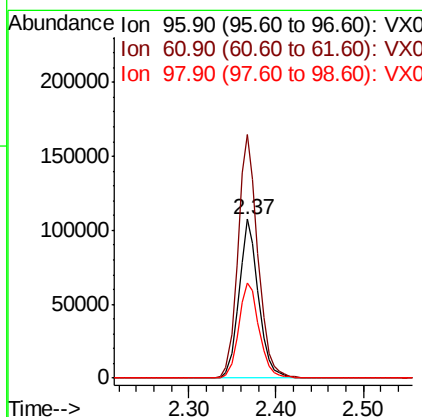
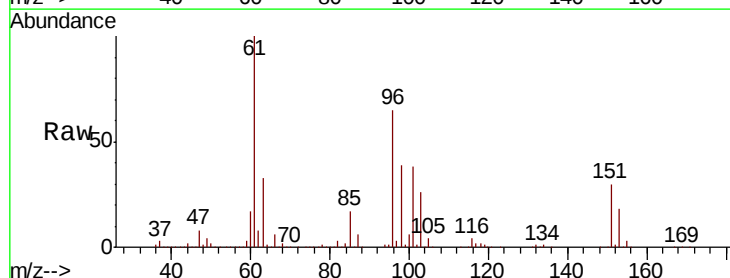
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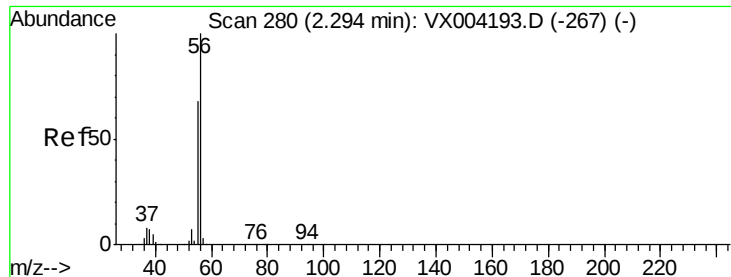
MMDadoda
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#12
1,1-Dichloroethene
Concen: 49.302 ug/l
RT: 2.37 min Scan# 292
Delta R.T. -0.00 min
Lab File: VX004257.D
Acq: 24 Aug 2018 19:48

Tgt Ion: 96 Resp: 166825
Ion Ratio Lower Upper
96 100
61 153.5 128.8 193.2
98 60.0 52.2 78.2





#13

Acrolein

Concen: 315.248 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX004257.D

Acq: 24 Aug 2018 19:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 67446

Ion Ratio Lower Upper

56 100

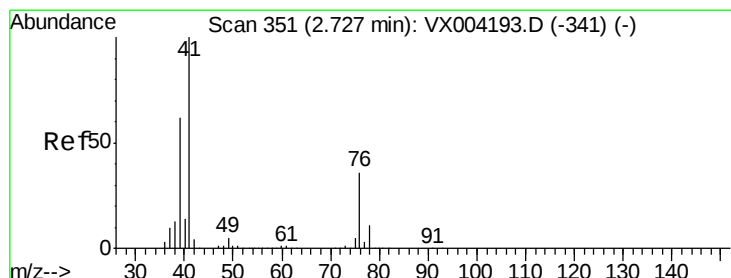
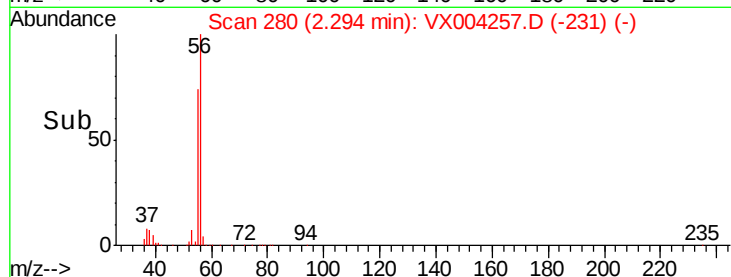
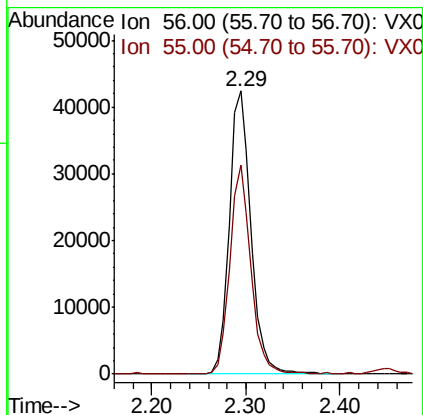
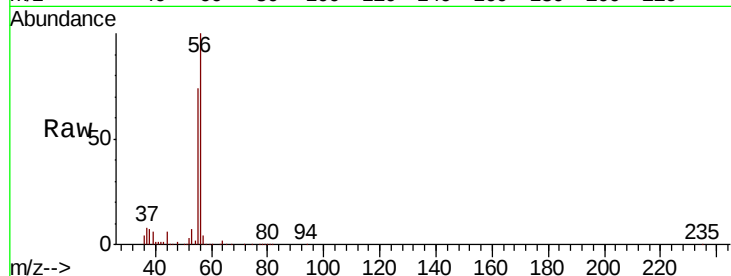
55 72.0 54.7 82.1

Manual Integrations

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#14

Allyl chloride

Concen: 49.288 ug/l

RT: 2.72 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX004257.D

Acq: 24 Aug 2018 19:48

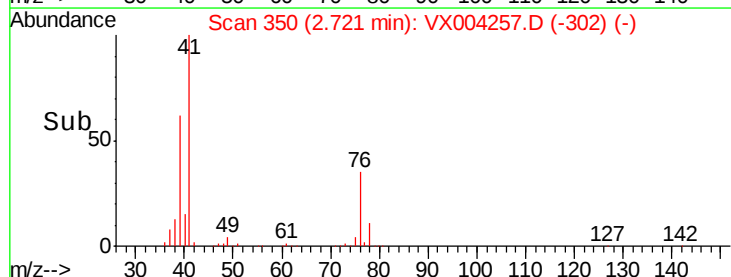
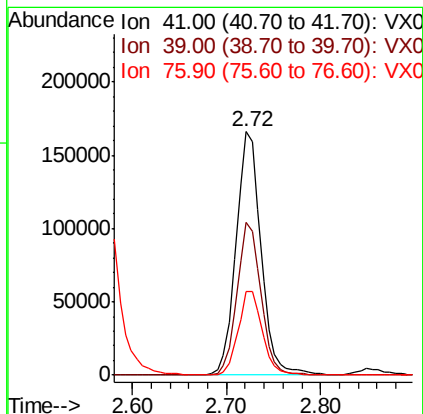
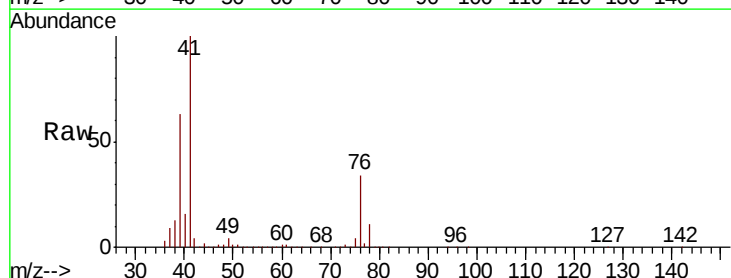
Tgt Ion: 41 Resp: 306423

Ion Ratio Lower Upper

41 100

39 60.0 48.9 73.3

76 33.4 26.7 40.1





#15

Acrylonitrile

Concen: 246.783 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.00 min

Lab File: VX004257.D

Acq: 24 Aug 2018 19:48

Instrument :

MSVOA_X

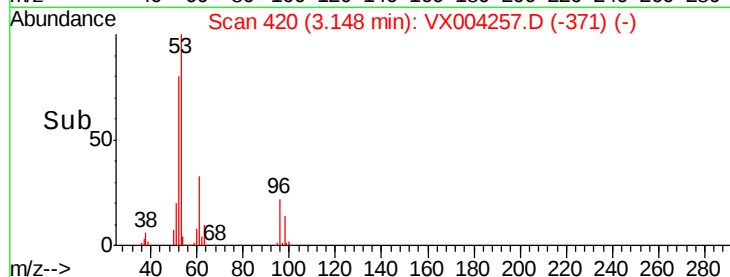
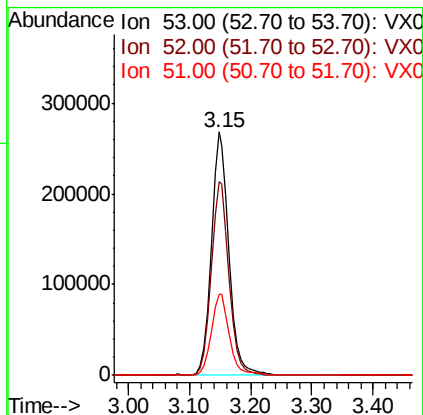
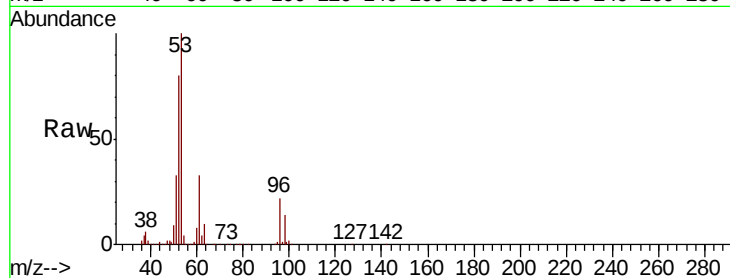
ClientSampleID :

VSTDCCC050EC

Tgt Ion:	53	Resp:	542361
Ion	Ratio	Lower	Upper
53	100		
52	80.7	65.2	97.8
51	34.5	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 258.672 ug/l

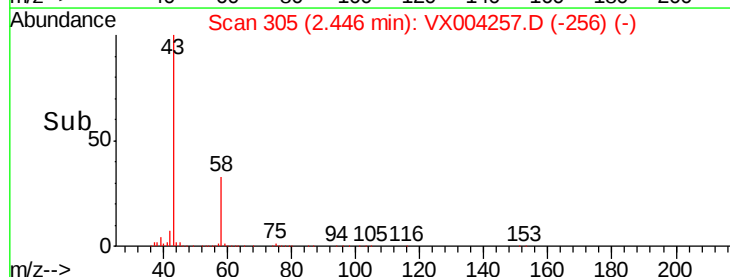
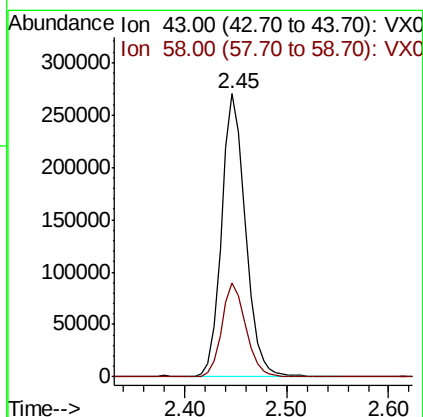
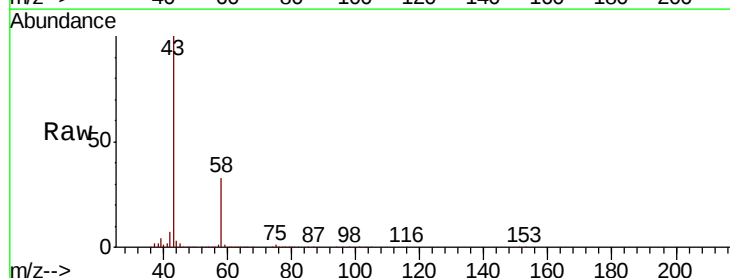
RT: 2.45 min Scan# 305

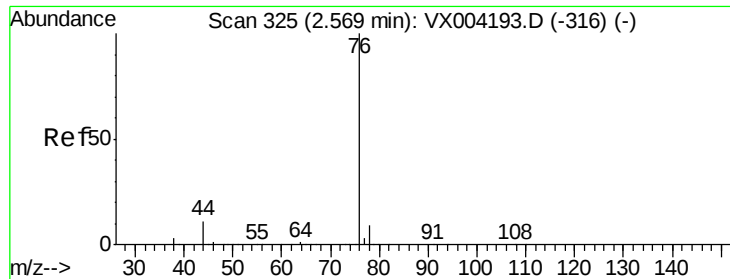
Delta R.T. 0.00 min

Lab File: VX004257.D

Acq: 24 Aug 2018 19:48

Tgt Ion:	43	Resp:	439124
Ion	Ratio	Lower	Upper
43	100		
58	33.2	26.2	39.4





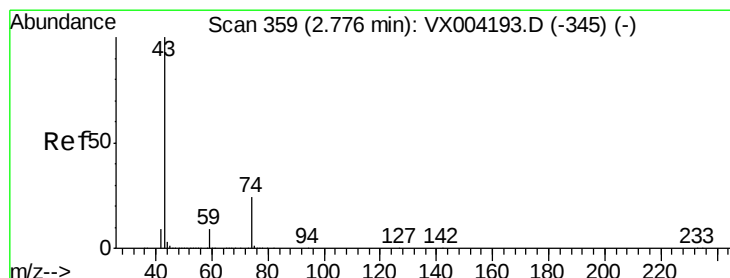
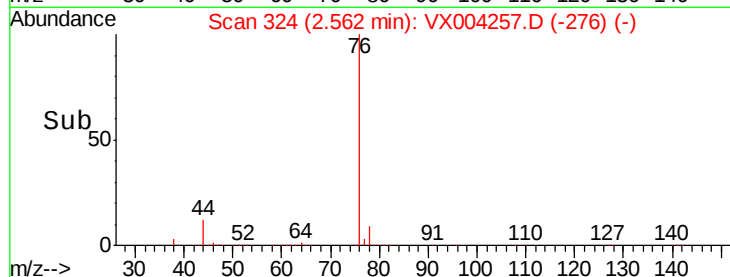
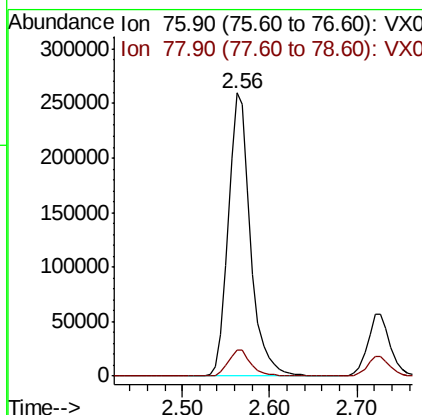
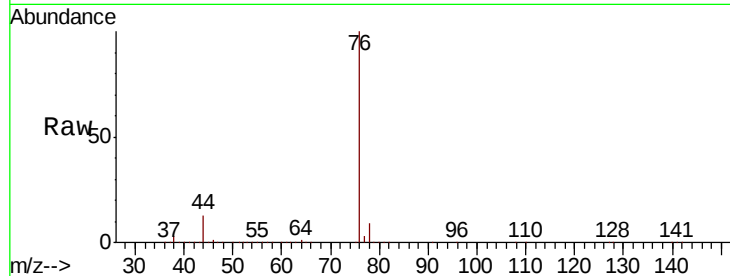
#17
Carbon Disulfide
Concen: 48.631 ug/l
RT: 2.56 min Scan# 324
Delta R.T. -0.01 min
Lab File: VX004257.D
Acq: 24 Aug 2018 19:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 456799
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.6

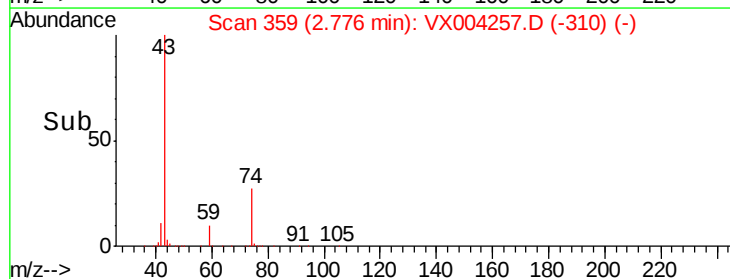
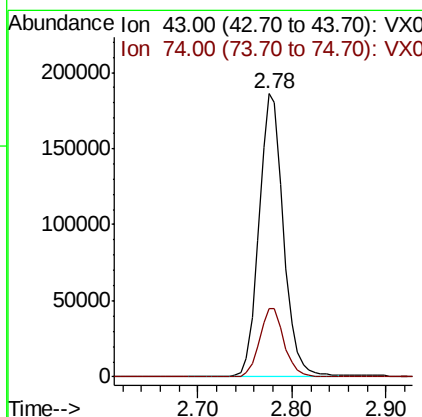
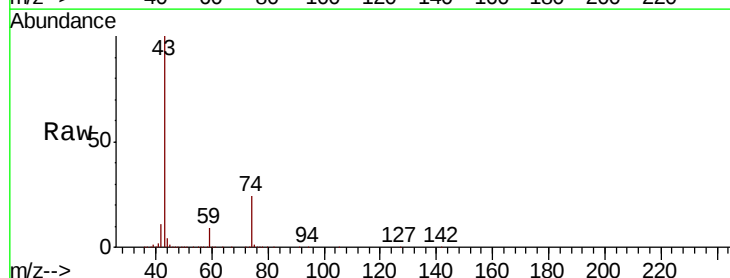
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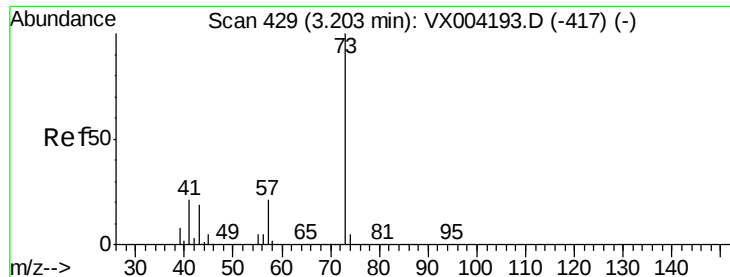
MMDadoda
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#18
Methyl Acetate
Concen: 54.903 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.00 min
Lab File: VX004257.D
Acq: 24 Aug 2018 19:48

Tgt Ion: 43 Resp: 339183
Ion Ratio Lower Upper
43 100
74 24.2 19.4 29.2





#19

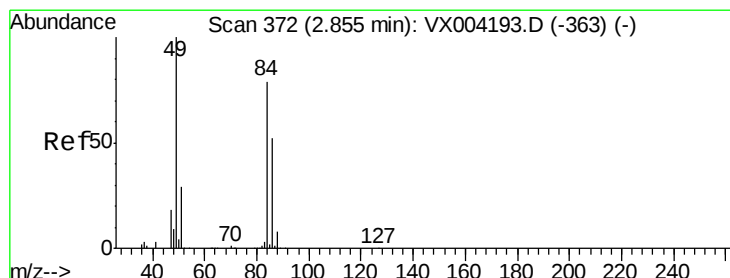
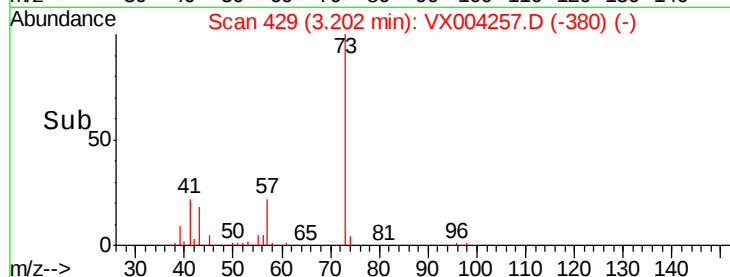
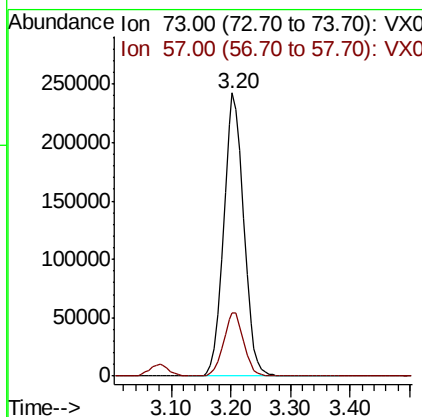
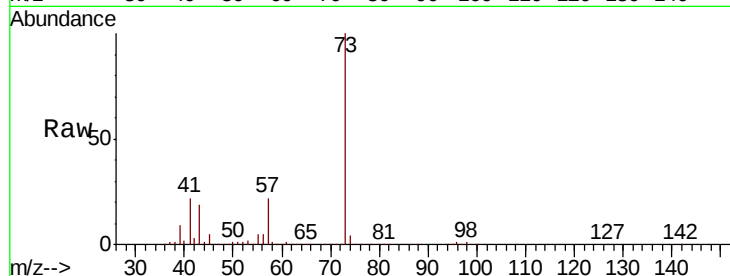
Methyl tert-butyl Ether
 Concen: 50.729 ug/l
 RT: 3.20 min Scan# 429
 Delta R.T. -0.00 min
 Lab File: VX004257.D
 Acq: 24 Aug 2018 19:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 73 Resp: 565689
 Ion Ratio Lower Upper
 73 100
 57 22.2 17.1 25.7

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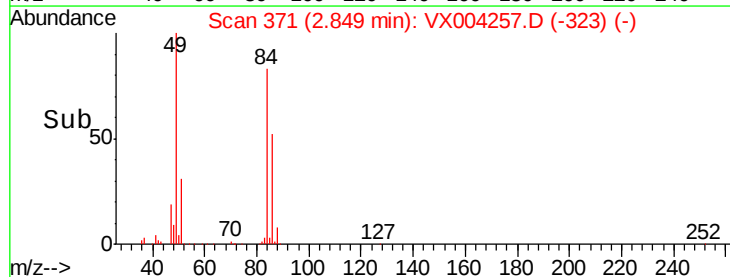
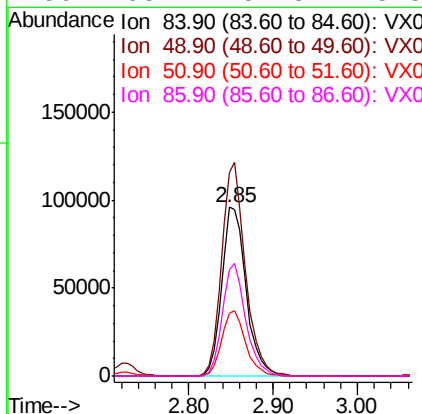
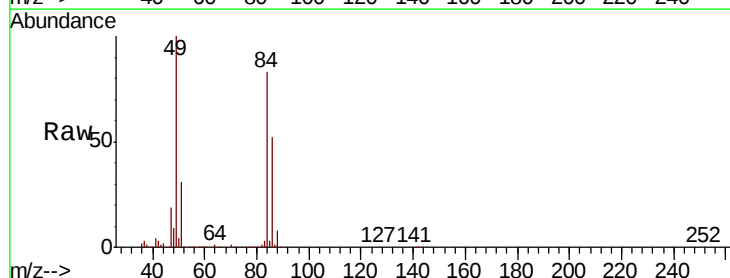
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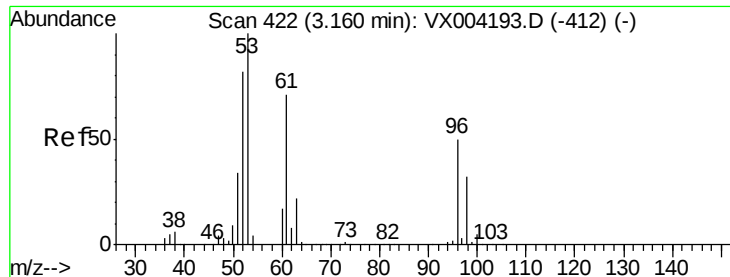


#20

Methylene Chloride
 Concen: 47.622 ug/l
 RT: 2.85 min Scan# 371
 Delta R.T. -0.01 min
 Lab File: VX004257.D
 Acq: 24 Aug 2018 19:48

Tgt Ion: 84 Resp: 190845
 Ion Ratio Lower Upper
 84 100
 49 121.0 101.2 151.8
 51 37.4 29.5 44.3
 86 63.2 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 47.720 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.00 min

Lab File: VX004257.D

Acq: 24 Aug 2018 19:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 96 Resp: 178727
Ion Ratio Lower Upper

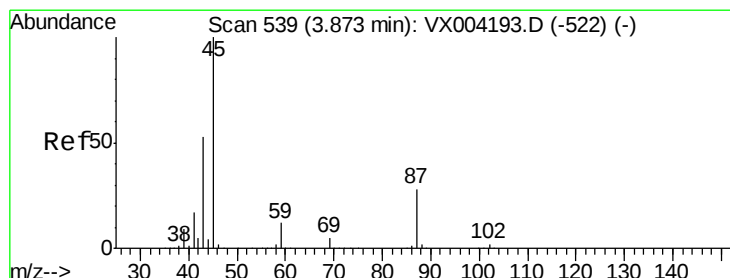
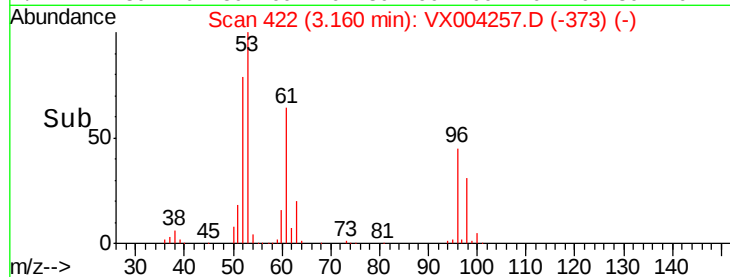
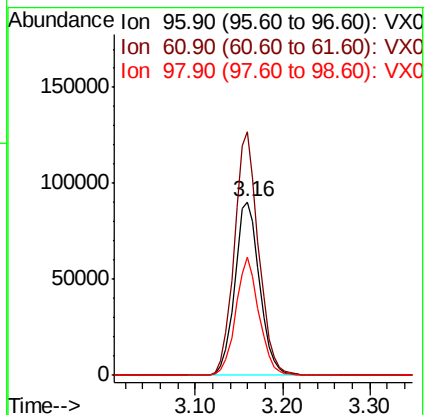
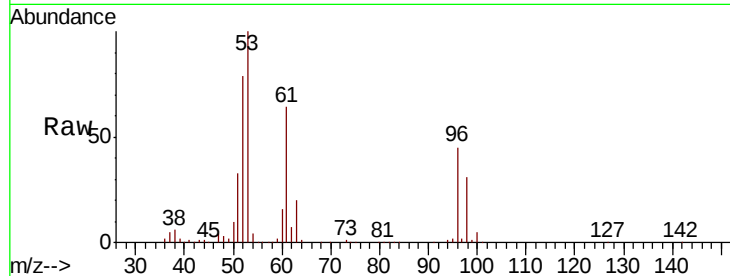
96 100

61 139.9 113.8 170.6

98 67.9 51.8 77.8

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#22

Diisopropyl ether

Concen: 49.747 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.00 min

Lab File: VX004257.D

Acq: 24 Aug 2018 19:48

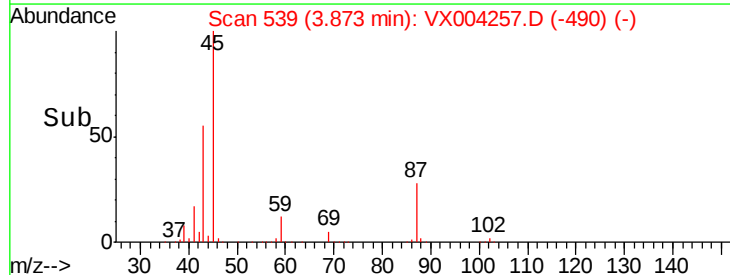
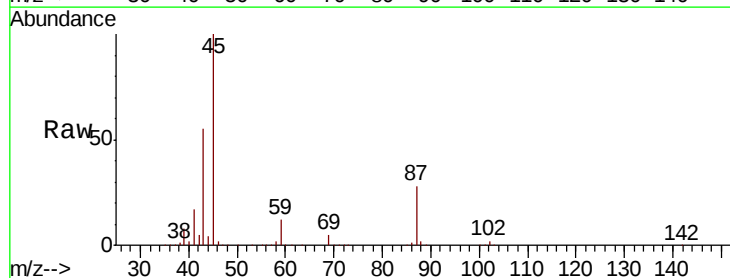
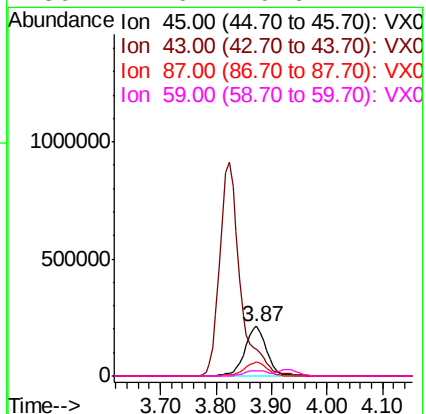
Tgt Ion: 45 Resp: 577447
Ion Ratio Lower Upper

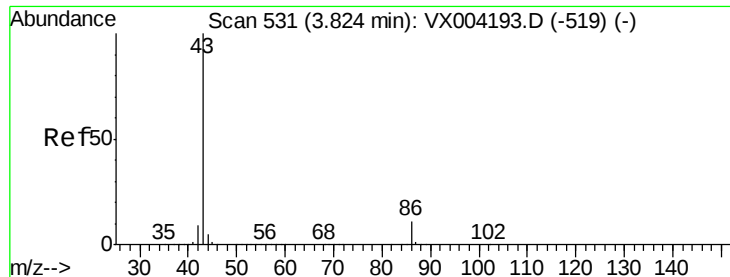
45 100

43 54.8 42.8 64.2

87 28.2 22.6 34.0

59 11.6 9.6 14.4





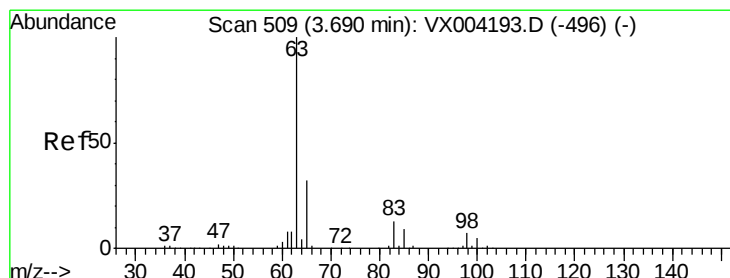
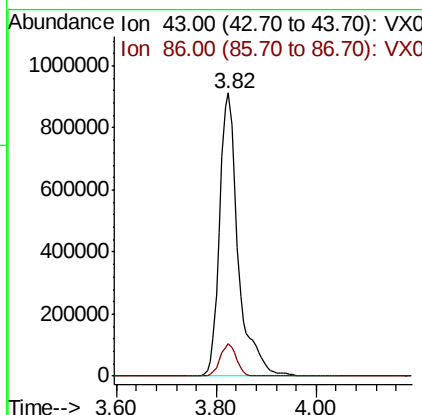
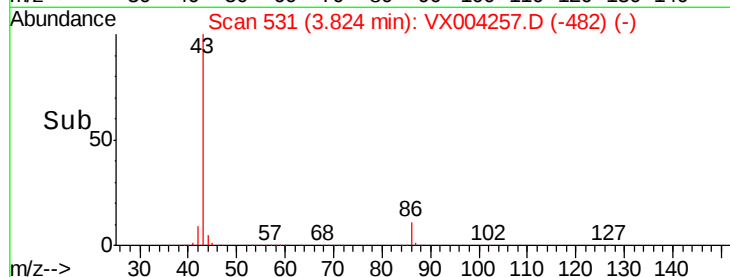
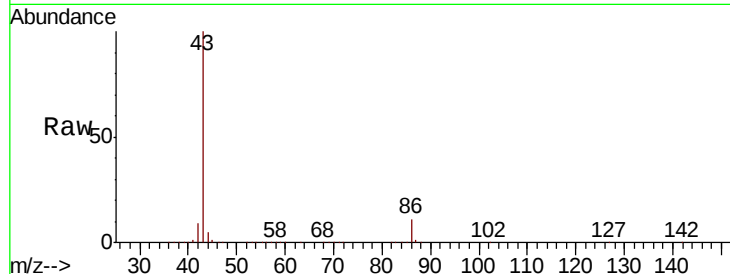
#23
 Vinyl Acetate
 Concen: 250.281 ug/l
 RT: 3.82 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VX004257.D
 Acq: 24 Aug 2018 19:48

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Tgt Ion: 43 Resp: 2354656
 Ion Ratio Lower Upper
 43 100
 86 11.5 8.9 13.3

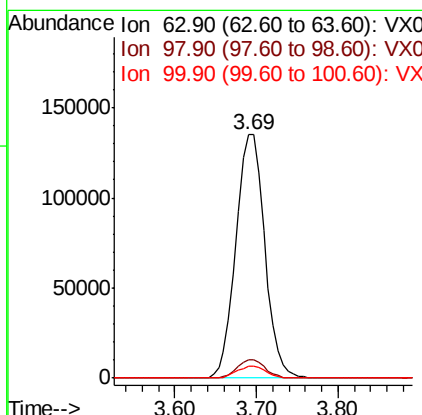
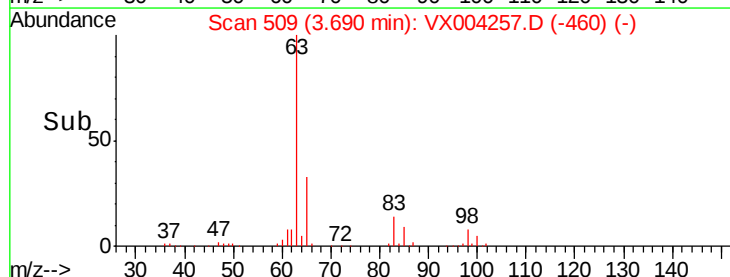
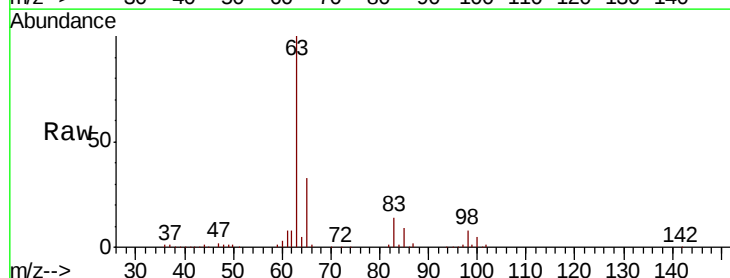
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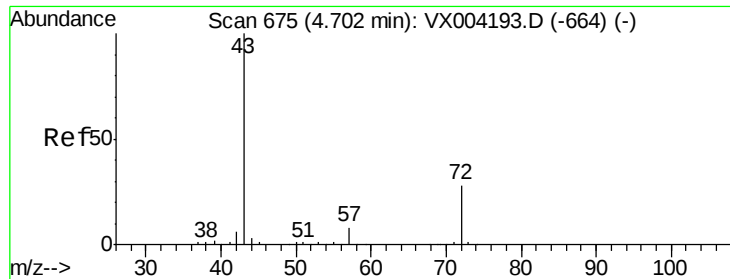
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 48.926 ug/l
 RT: 3.69 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VX004257.D
 Acq: 24 Aug 2018 19:48

Tgt Ion: 63 Resp: 330973
 Ion Ratio Lower Upper
 63 100
 98 7.5 3.5 10.4
 100 4.7 2.4 7.1





#25

2-Butanone

Concen: 254.790 ug/l

RT: 4.70 min Scan# 675

Delta R.T. 0.00 min

Lab File: VX004257.D

Acq: 24 Aug 2018 19:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 710598

Ion Ratio Lower Upper

43 100

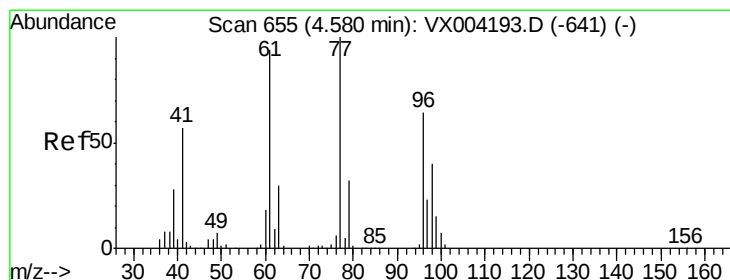
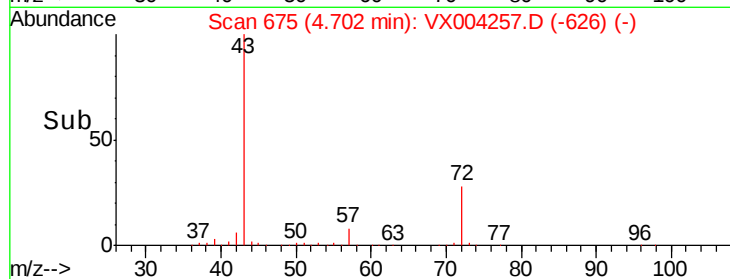
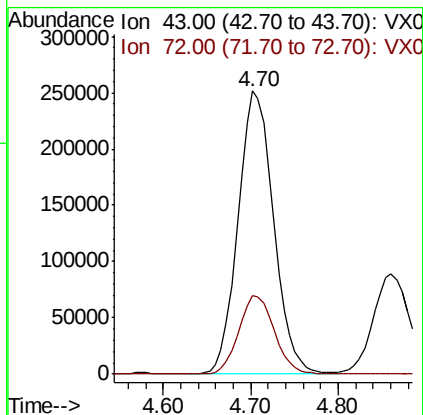
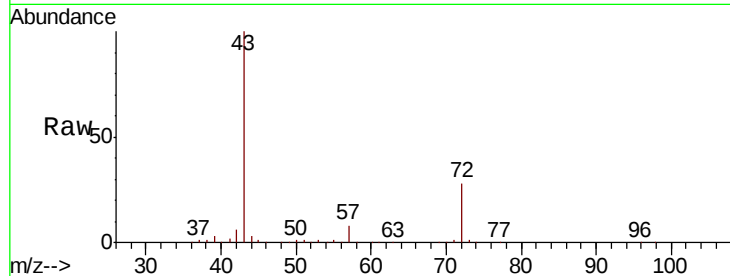
72 27.6 22.0 33.0

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 42.146 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.00 min

Lab File: VX004257.D

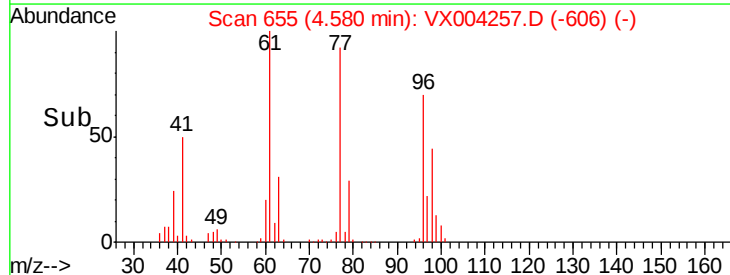
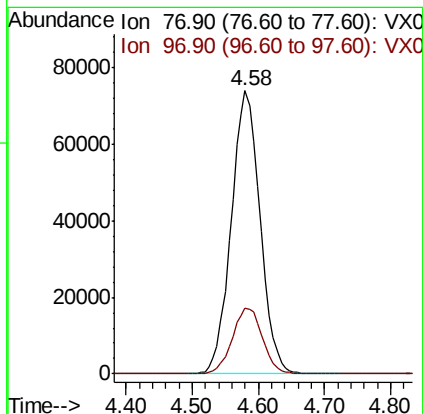
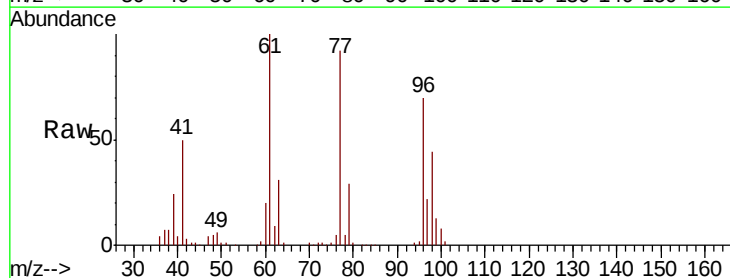
Acq: 24 Aug 2018 19:48

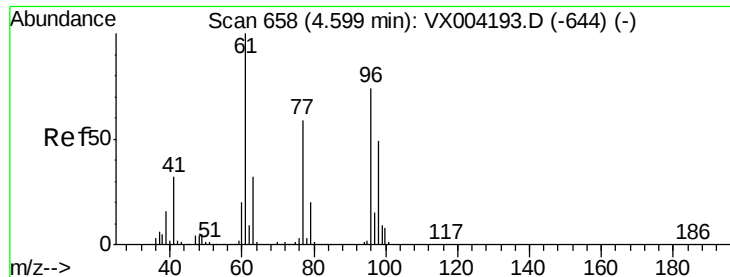
Tgt Ion: 77 Resp: 223617

Ion Ratio Lower Upper

77 100

97 24.2 11.7 35.0





#27

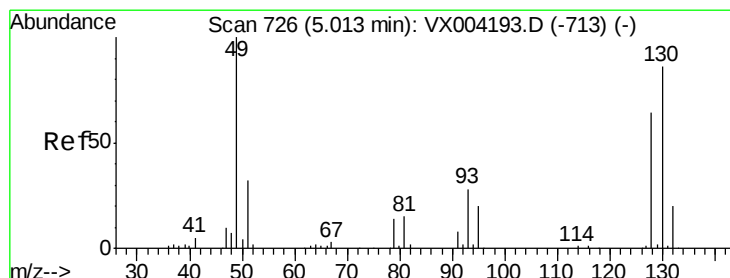
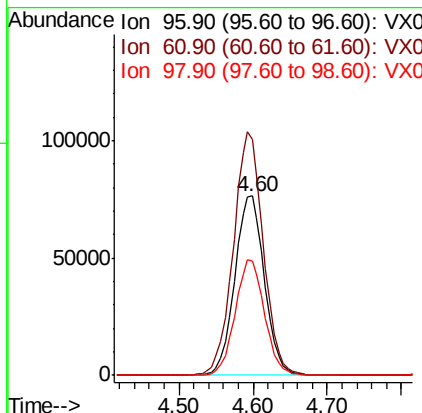
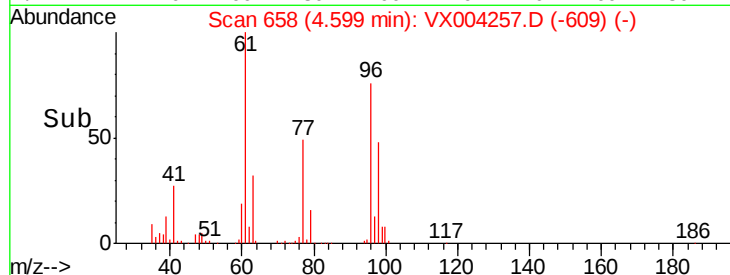
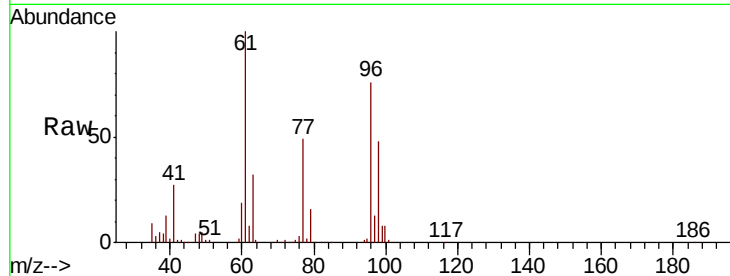
cis-1,2-Dichloroethene
Concen: 50.094 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.00 min
Lab File: VX004257.D
Acq: 24 Aug 2018 19:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	212800		
61	137.0	0.0	282.6	
98	64.0	0.0	130.2	

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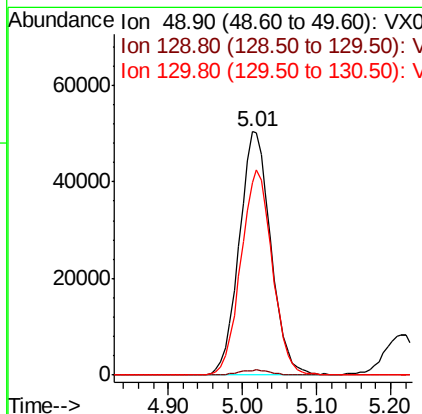
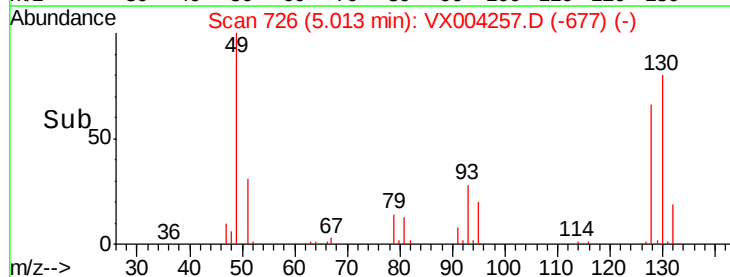
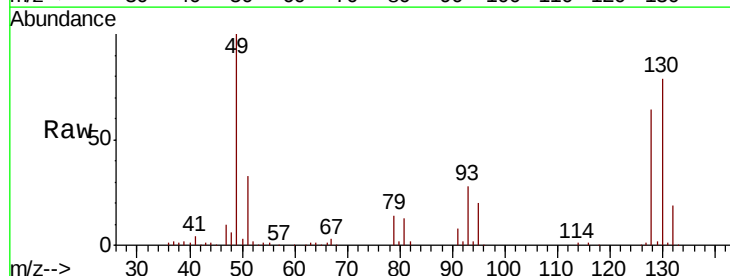
MMDadoda
8/27/2018 3:12:25 PM

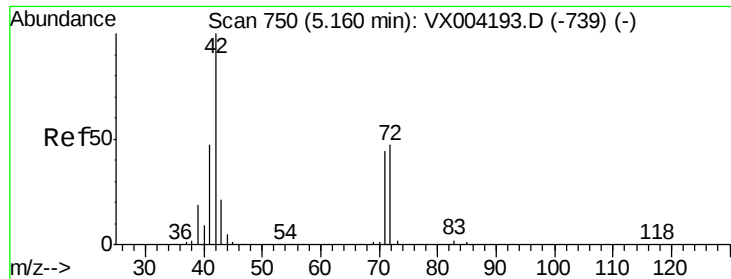


#28

Bromochloromethane
Concen: 50.133 ug/l
RT: 5.01 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX004257.D
Acq: 24 Aug 2018 19:48

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	150145		
129	2.1	0.0	4.2	
130	83.5	67.5	101.3	





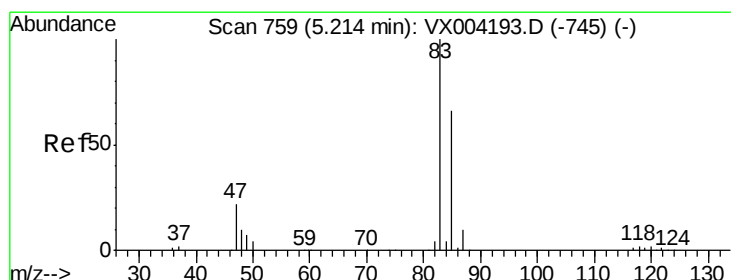
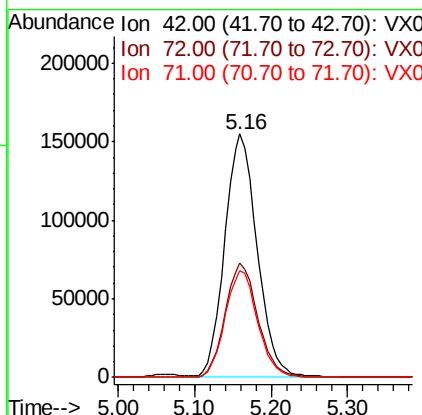
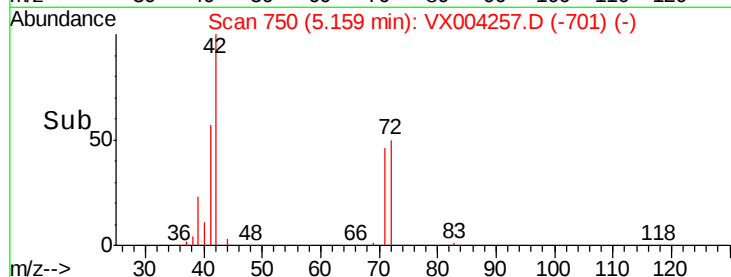
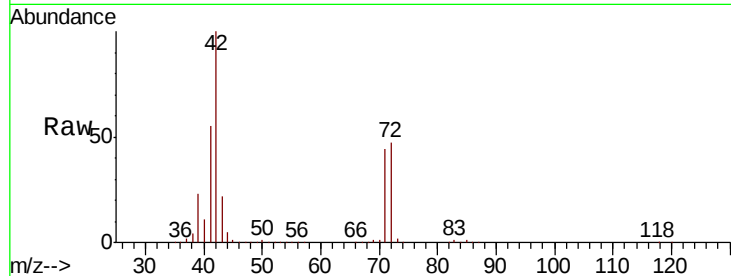
#29
Tetrahydrofuran
Concen: 252.261 ug/l
RT: 5.16 min Scan# 750
Delta R.T. -0.00 min
Lab File: VX004257.D
Acq: 24 Aug 2018 19:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
42	100		
72	47.6	37.4	56.0
71	44.0	34.5	51.7

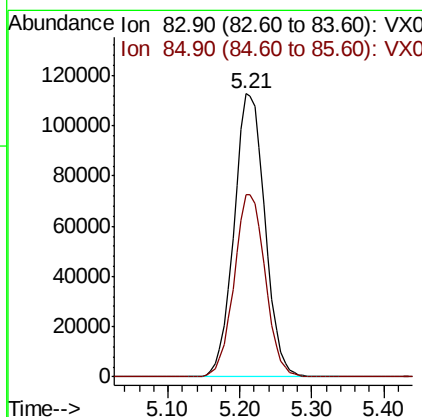
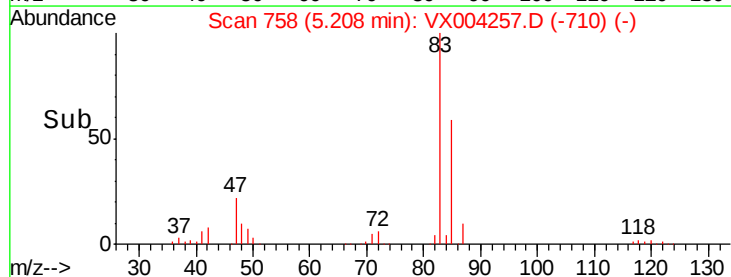
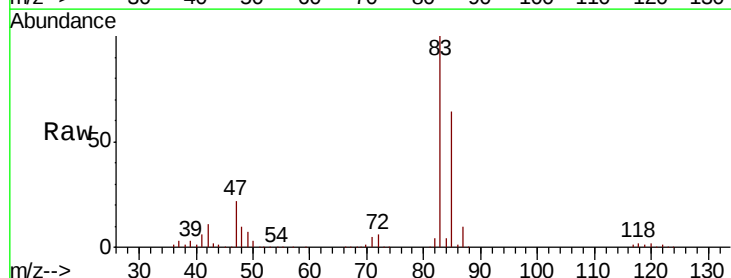
Manual Integrations
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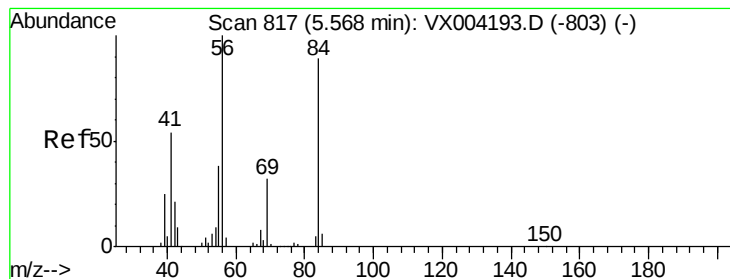
MMDadoda
8/27/2018 3:12:25 PM



#30
Chloroform
Concen: 49.455 ug/l
RT: 5.21 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX004257.D
Acq: 24 Aug 2018 19:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.6	79.0





#31

Cyclohexane

Concen: 50.423 ug/l

RT: 5.57 min Scan# 817

Delta R.T. -0.00 min

Lab File: VX004257.D

Acq: 24 Aug 2018 19:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 294307

Ion Ratio Lower Upper

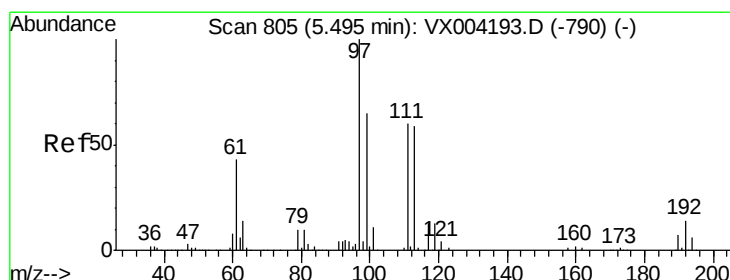
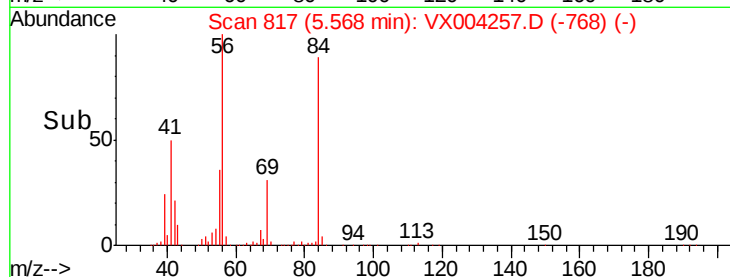
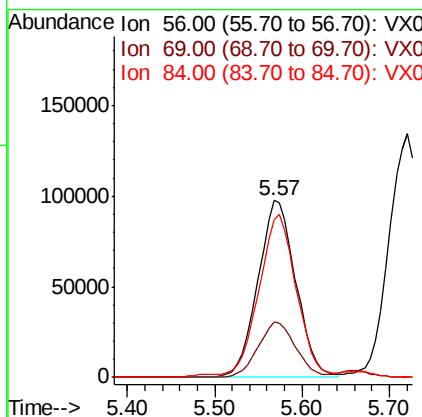
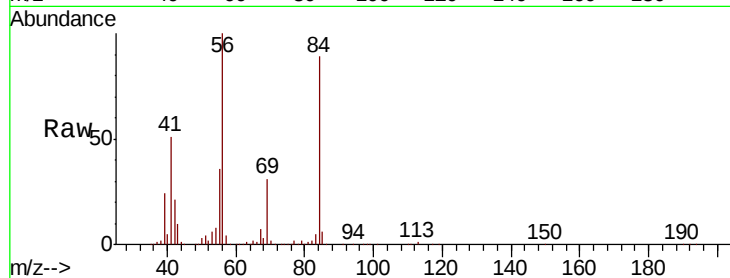
56 100

69 31.5 25.4 38.2

84 88.6 71.4 107.2

Manual Integrations
APPROVED

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#32

1,1,1-Trichloroethane

Concen: 50.197 ug/l

RT: 5.49 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX004257.D

Acq: 24 Aug 2018 19:48

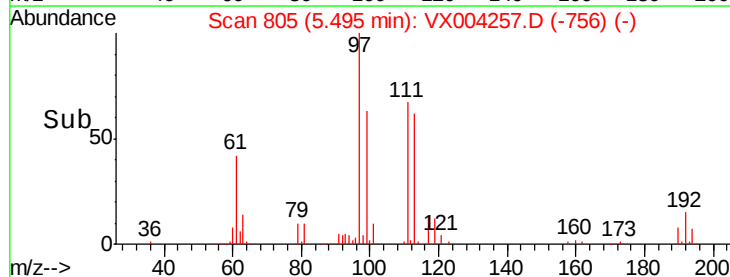
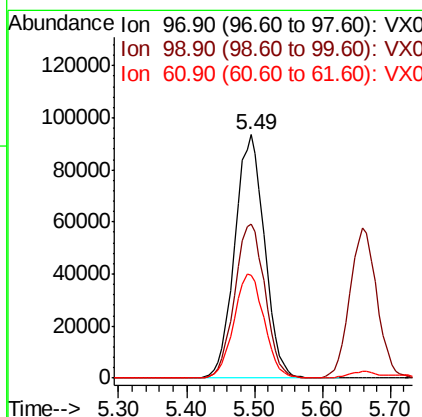
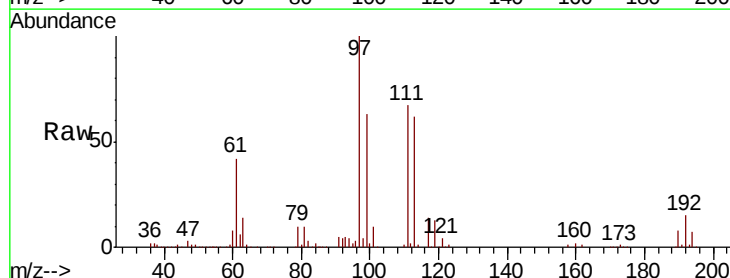
Tgt Ion: 97 Resp: 283898

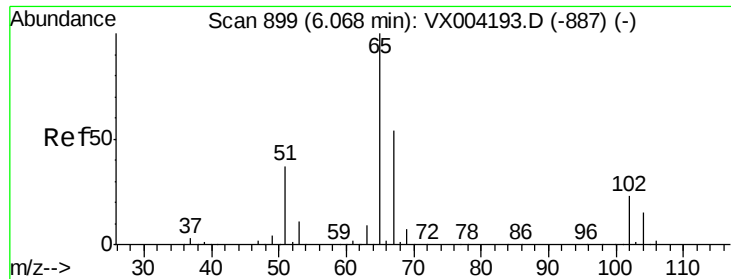
Ion Ratio Lower Upper

97 100

99 64.7 52.0 78.0

61 43.7 34.9 52.3





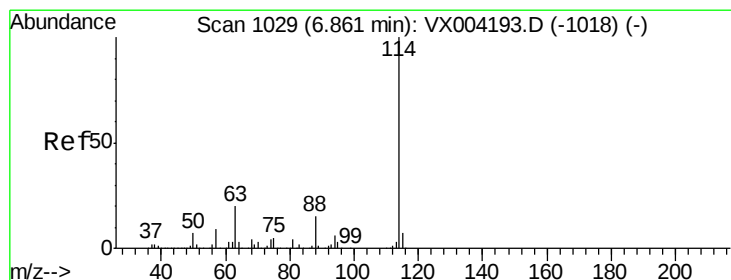
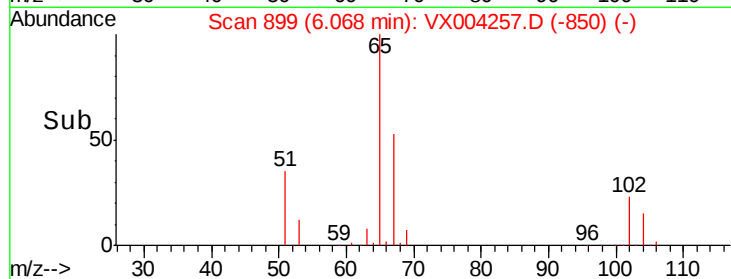
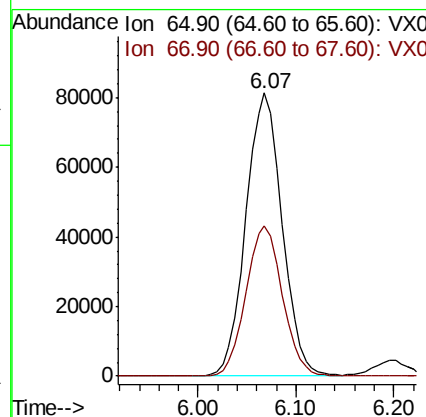
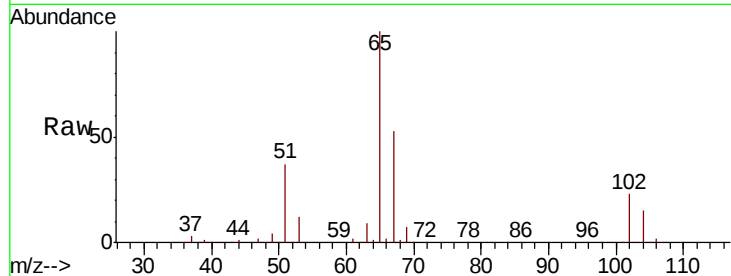
#33
 1,2-Dichloroethane-d4
 Concen: 50.291 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004257.D
 Acq: 24 Aug 2018 19:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	209368		
67	53.4	0.0	106.8	

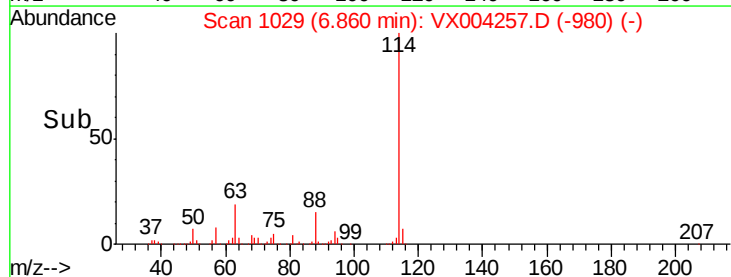
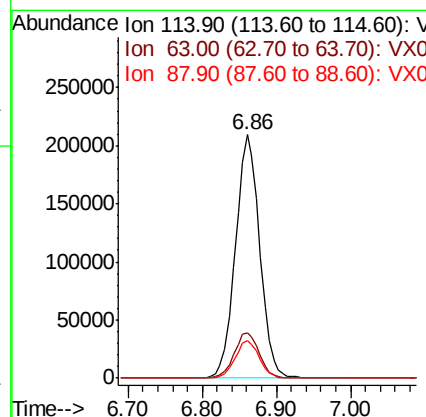
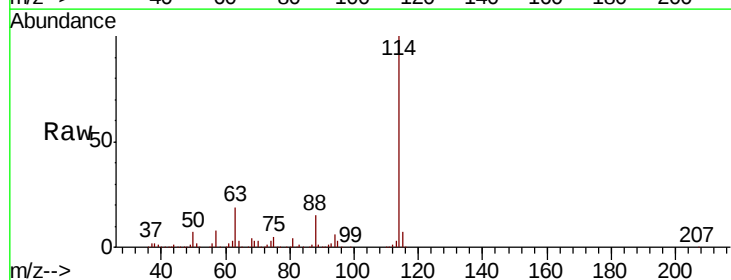
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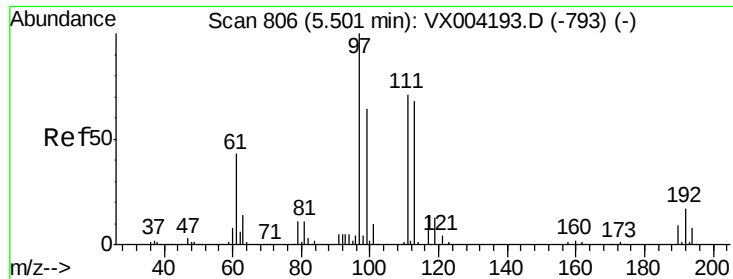
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX004257.D
 Acq: 24 Aug 2018 19:48

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	476244		
63	18.5	0.0	39.0	
88	15.5	0.0	30.4	





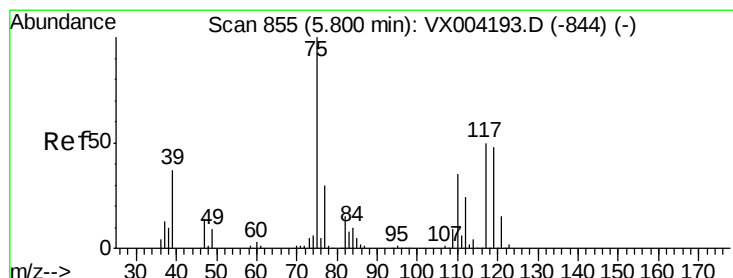
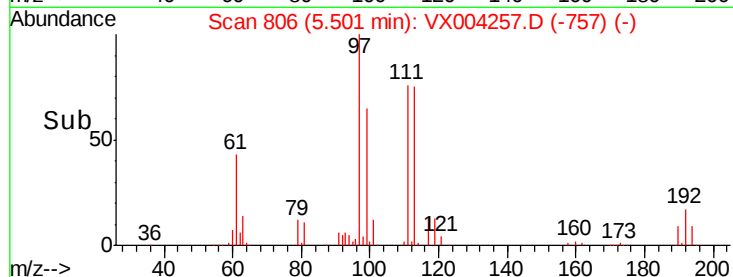
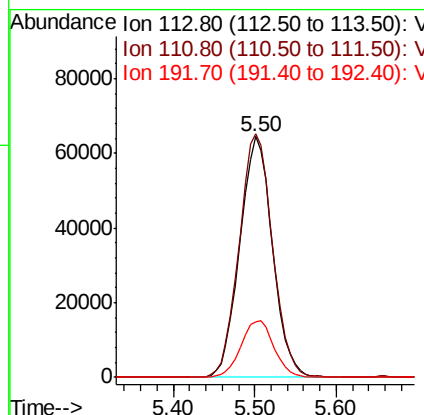
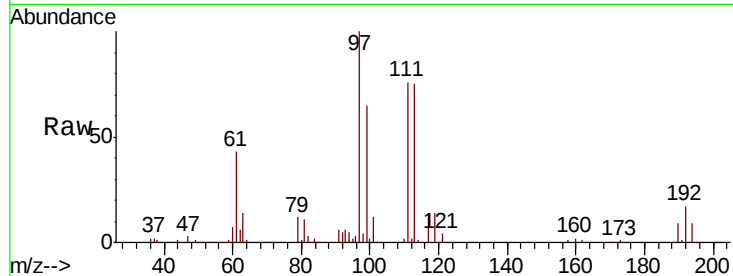
#35
 Dibromofluoromethane
 Concen: 50.511 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004257.D
 Acq: 24 Aug 2018 19:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	178959		
111	103.5	82.4	123.6	
192	24.0	19.4	29.2	

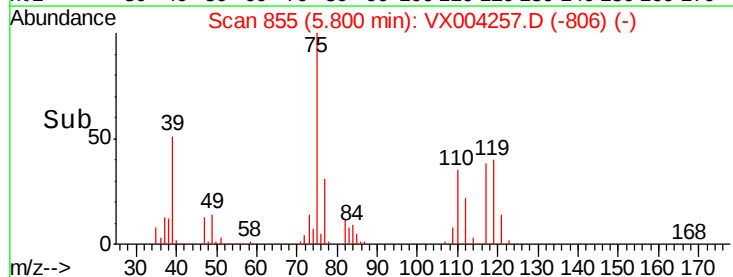
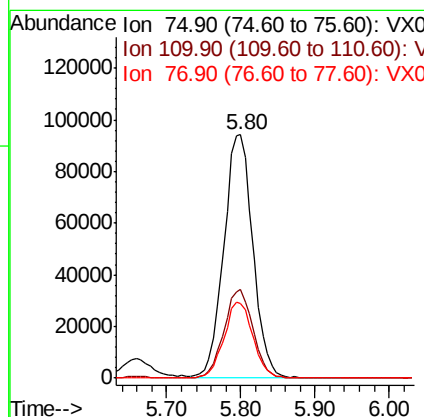
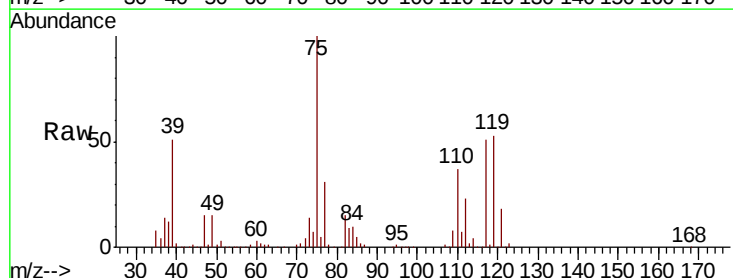
Manual Integrations
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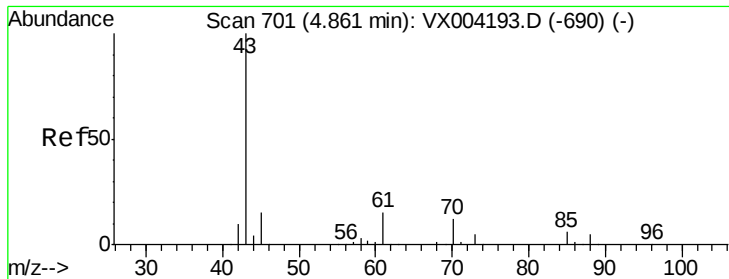
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#36
 1,1-Dichloropropene
 Concen: 47.727 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VX004257.D
 Acq: 24 Aug 2018 19:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	255535		
110	36.4	18.0	54.0	
77	31.3	24.6	36.8	





#37

Ethyl Acetate

Concen: 49.375 ug/l

RT: 4.86 min Scan# 701

Delta R.T. -0.00 min

Lab File: VX004257.D

Acq: 24 Aug 2018 19:48

Instrument :

MSVOA_X

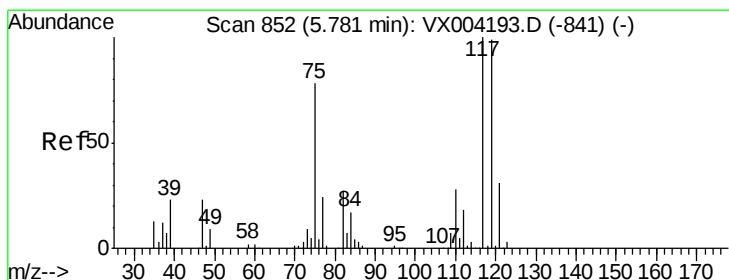
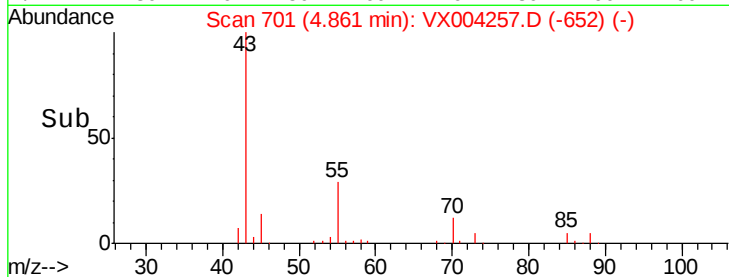
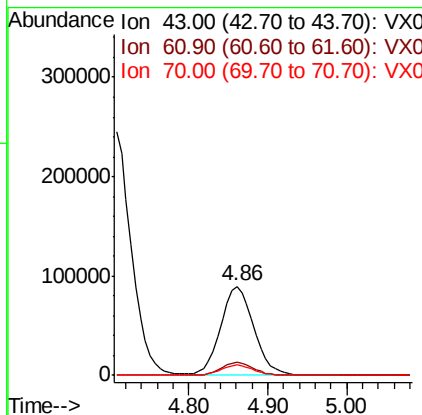
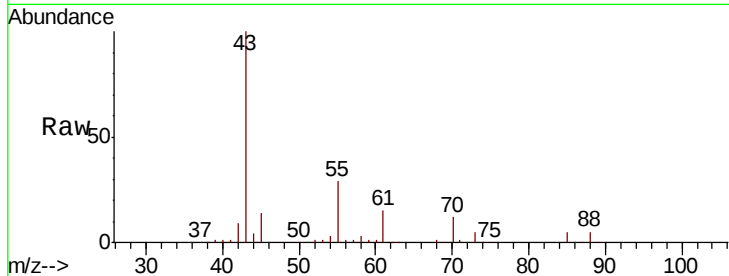
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	43	Resp:	259991
Ion Ratio	Lower	Upper	
43	100		
61	14.5	11.5	17.3
70	11.5	9.0	13.6

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 49.061 ug/l

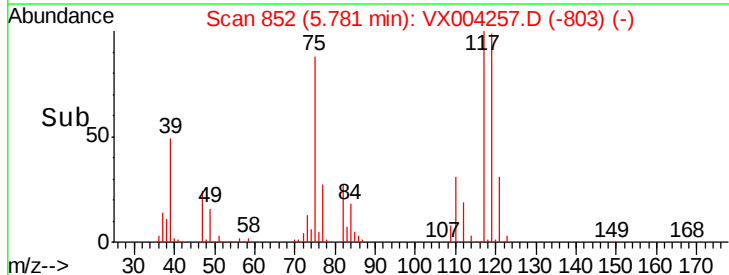
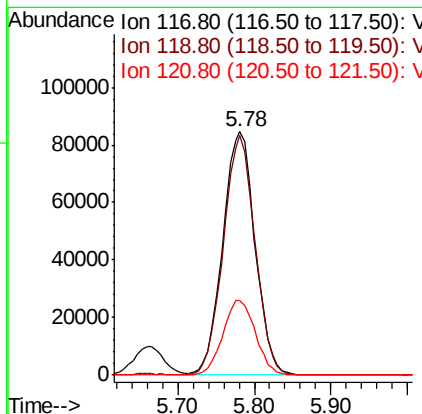
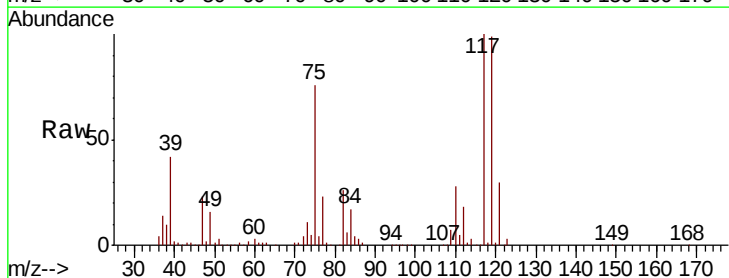
RT: 5.78 min Scan# 852

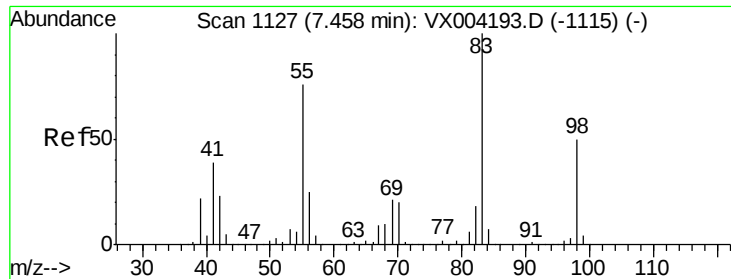
Delta R.T. -0.00 min

Lab File: VX004257.D

Acq: 24 Aug 2018 19:48

Tgt Ion:	117	Resp:	247102
Ion Ratio	Lower	Upper	
117	100		
119	98.4	78.8	118.2
121	30.5	24.9	37.3





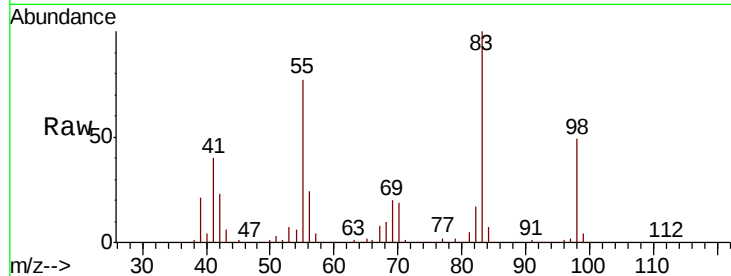
#39
Methylcyclohexane
Concen: 49.233 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VX004257.D
Acq: 24 Aug 2018 19:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	300953		
55	77.1	61.0	91.4	
98	48.5	39.6	59.4	

Manual Integrations
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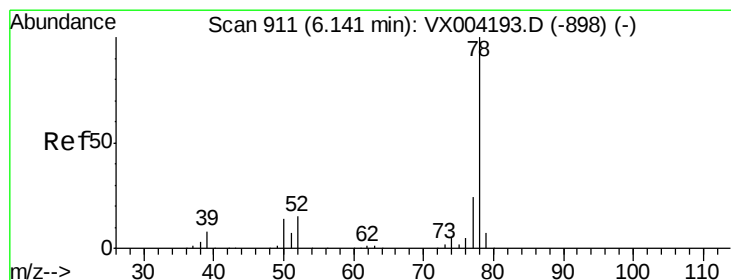
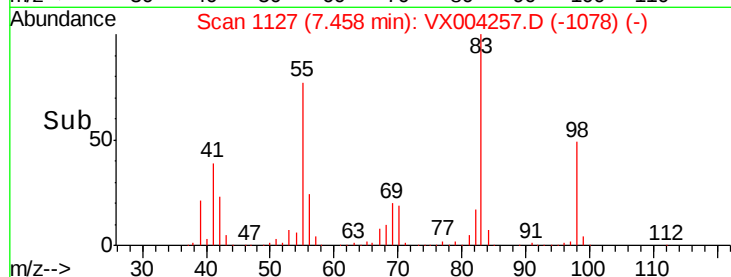
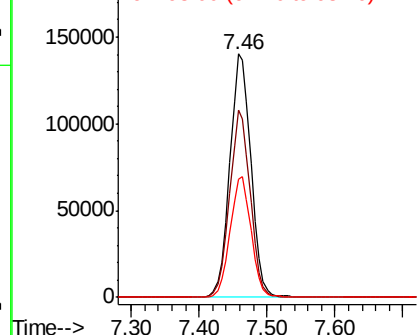


Abundance

Ion 83.00 (82.70 to 83.70): VX0

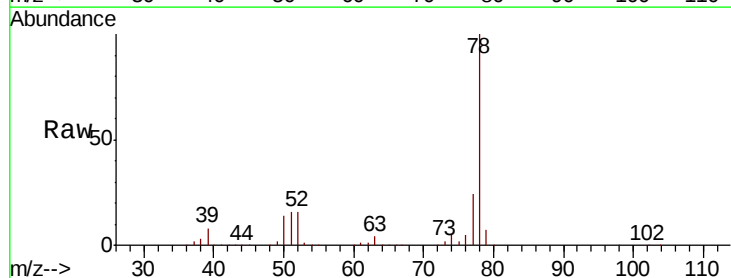
Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#40
Benzene
Concen: 49.324 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.00 min
Lab File: VX004257.D
Acq: 24 Aug 2018 19:48

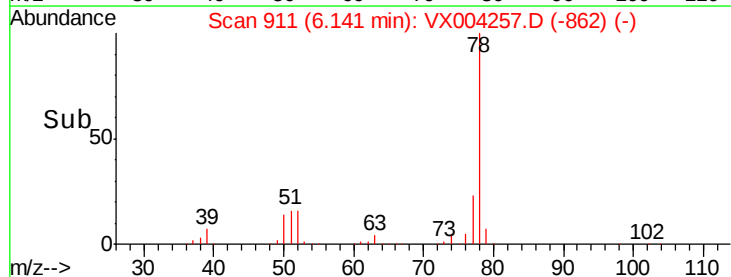
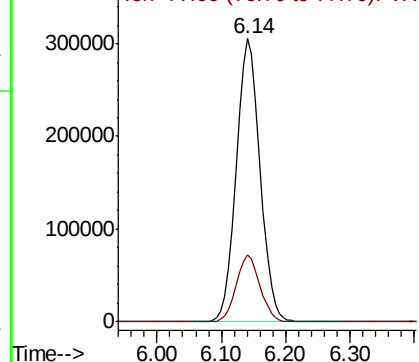
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	789097		
77	23.6	19.0	28.4	

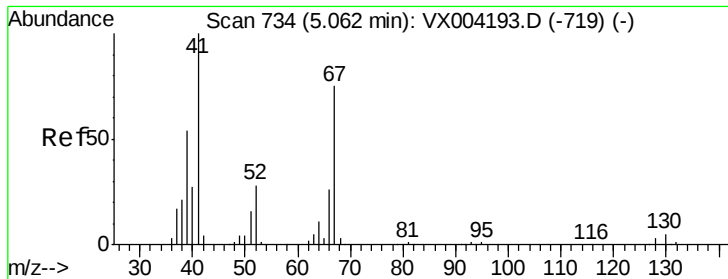


Abundance

Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#41

Methacrylonitrile

Concen: 49.581 ug/l

RT: 5.06 min Scan# 734

Delta R.T. -0.00 min

Lab File: VX004257.D

Acq: 24 Aug 2018 19:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 41 Resp: 151331
Ion Ratio Lower Upper

41 100

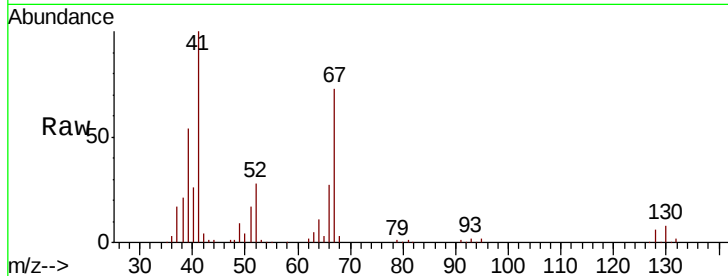
39 53.0 42.4 63.6

67 74.4 59.2 88.8

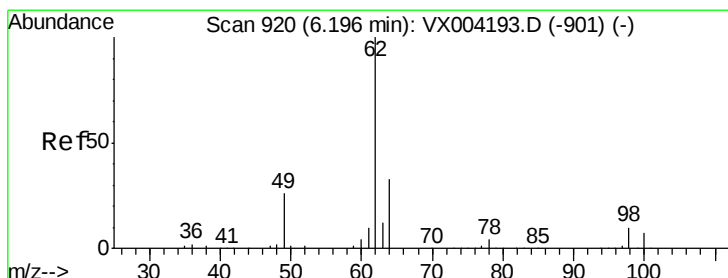
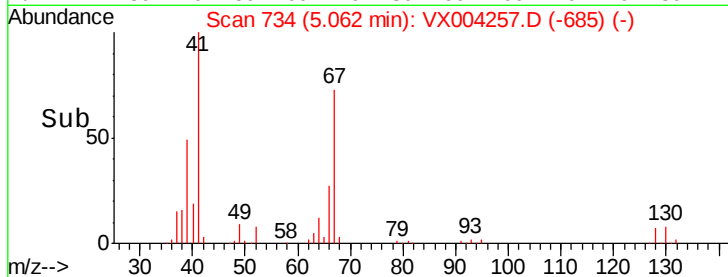
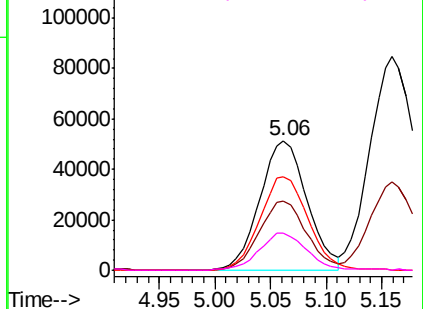
52 28.7 23.0 34.4

Manual Integrations
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Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 48.412 ug/l

RT: 6.20 min Scan# 920

Delta R.T. -0.00 min

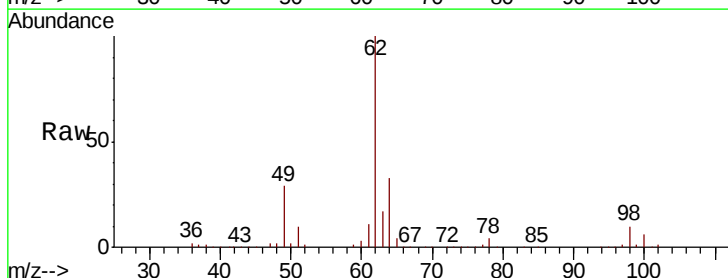
Lab File: VX004257.D

Acq: 24 Aug 2018 19:48

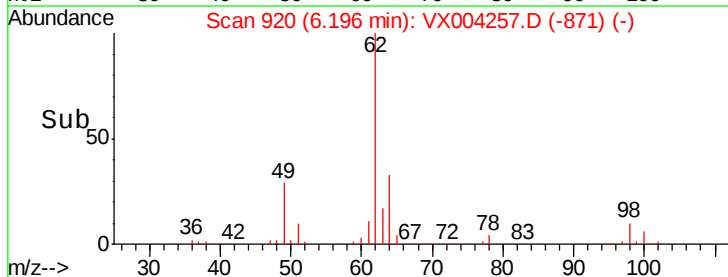
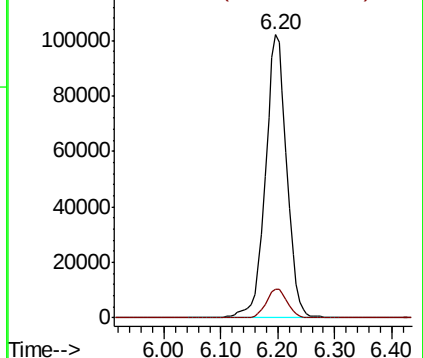
Tgt Ion: 62 Resp: 264187
Ion Ratio Lower Upper

62 100

98 10.3 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 51.422 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.00 min

Lab File: VX004257.D

Acq: 24 Aug 2018 19:48

Instrument :

MSVOA_X

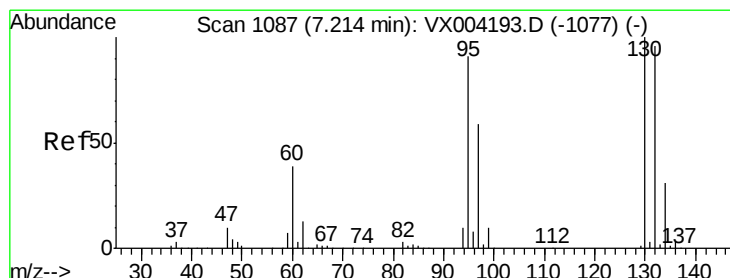
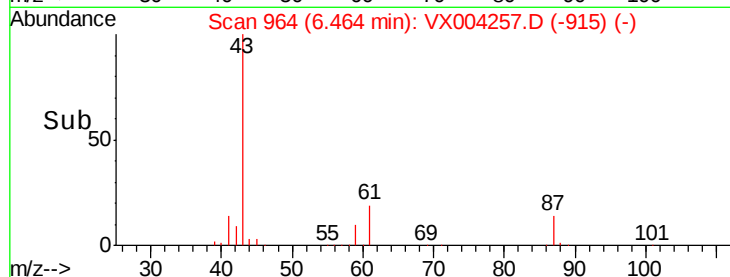
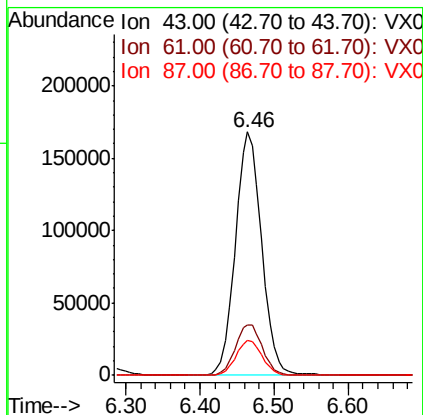
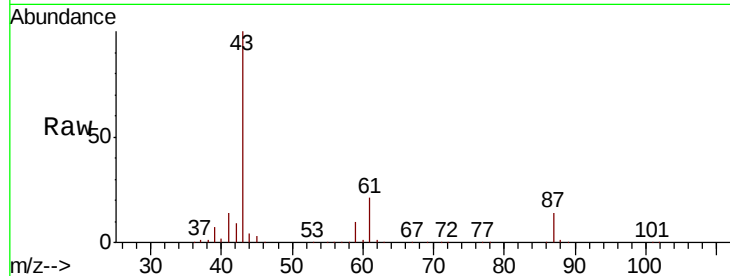
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	43	Resp:	416066
Ion	Ratio	Lower	Upper
43	100		
61	21.5	17.0	25.4
87	14.3	11.4	17.2

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#44

Trichloroethene

Concen: 47.940 ug/l

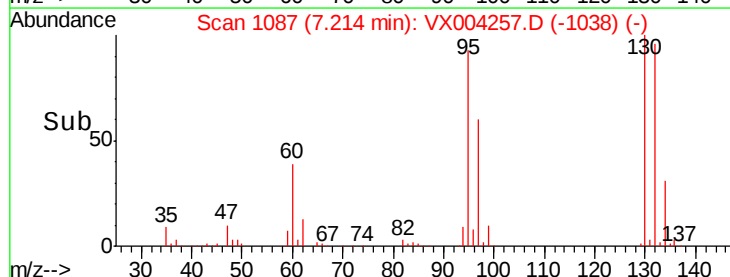
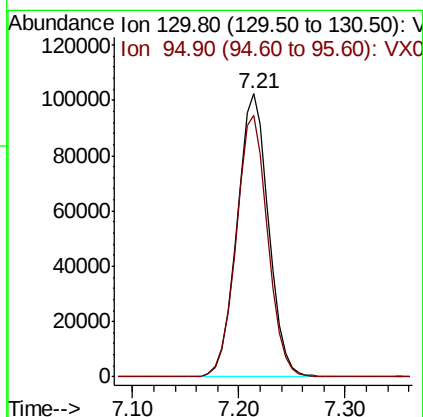
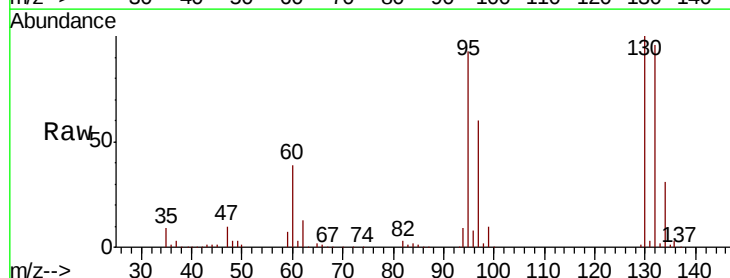
RT: 7.21 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX004257.D

Acq: 24 Aug 2018 19:48

Tgt Ion:	130	Resp:	212300
Ion	Ratio	Lower	Upper
130	100		
95	92.7	0.0	181.6





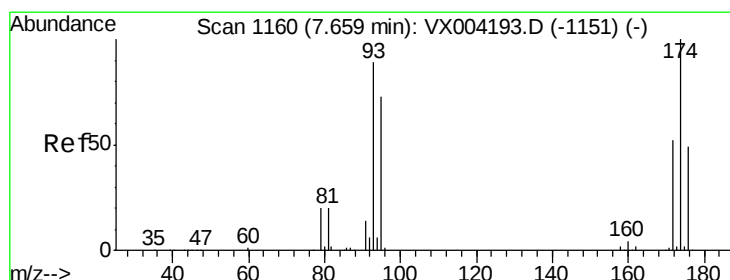
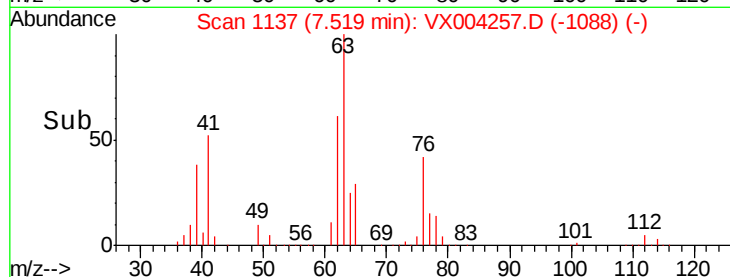
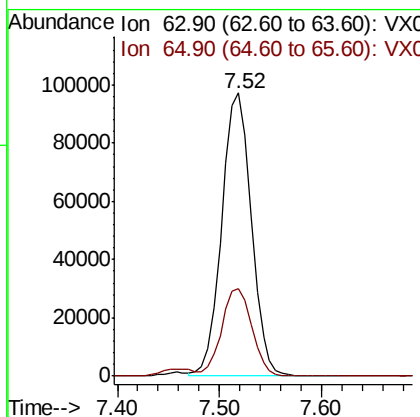
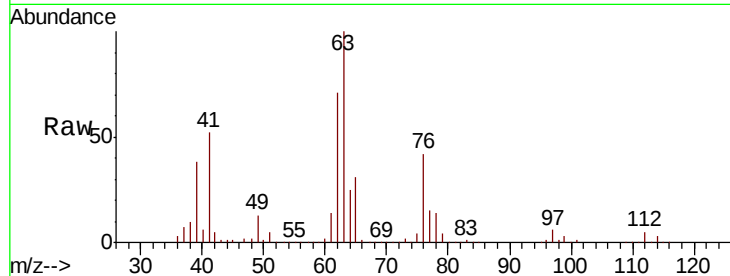
#45
 1,2-Dichloropropane
 Concen: 48.852 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX004257.D
 Acq: 24 Aug 2018 19:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 63 Resp: 195608
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.3 36.5

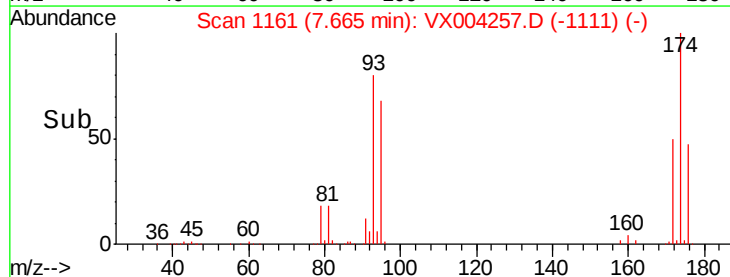
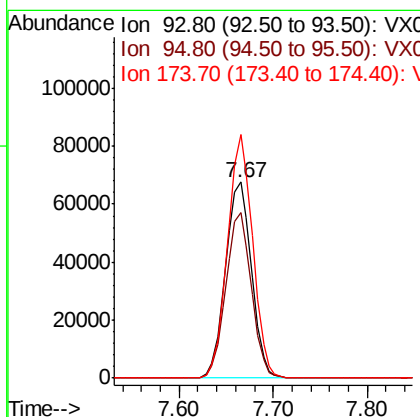
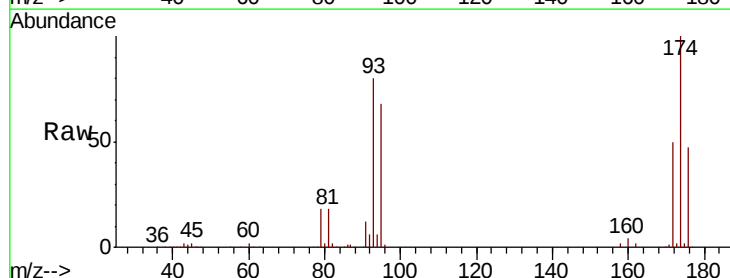
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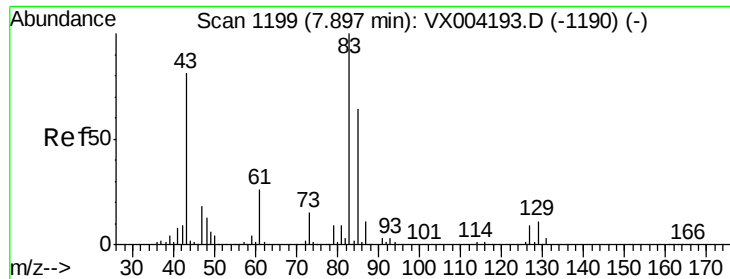
MMDadoda
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#46
 Dibromomethane
 Concen: 48.636 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.01 min
 Lab File: VX004257.D
 Acq: 24 Aug 2018 19:48

Tgt Ion: 93 Resp: 129666
 Ion Ratio Lower Upper
 93 100
 95 83.0 65.5 98.3
 174 120.1 94.2 141.4





#47

Bromodichloromethane

Concen: 50.882 ug/l

RT: 7.90 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VX004257.D

Acq: 24 Aug 2018 19:48

Instrument :

MSVOA_X

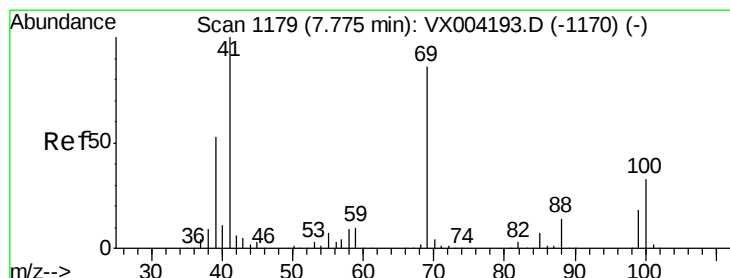
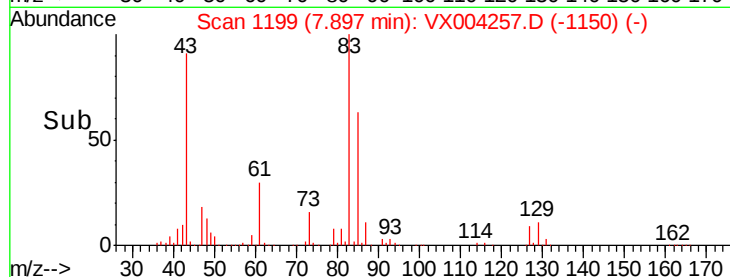
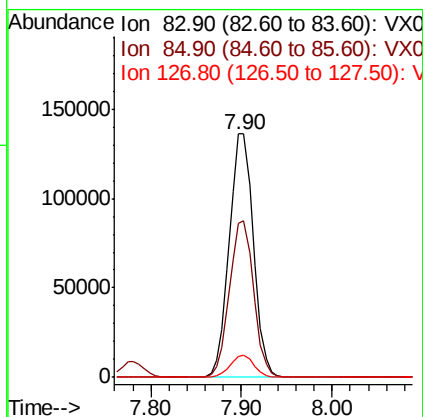
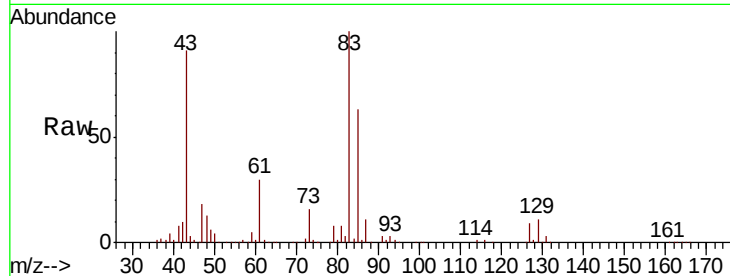
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	83	Resp:	252417
Ion Ratio	Lower	Upper	
83	100		
85	63.1	50.9	76.3
127	8.7	7.3	10.9

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#48

Methyl methacrylate

Concen: 51.284 ug/l

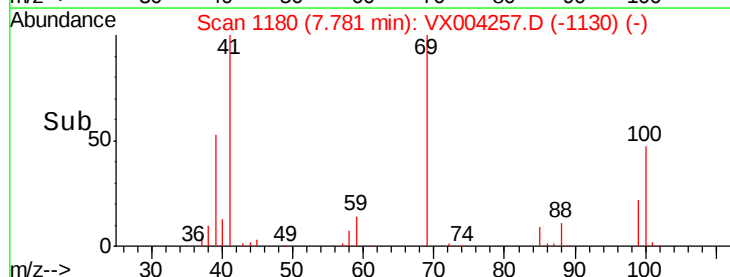
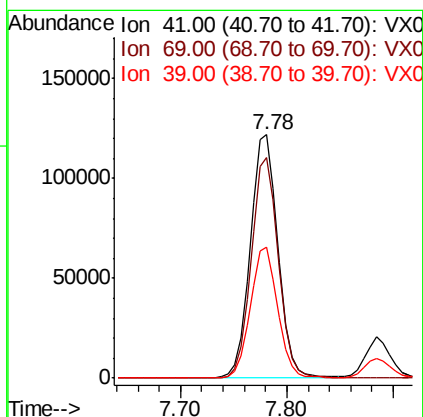
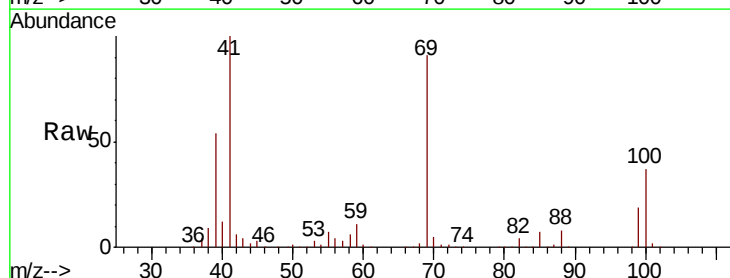
RT: 7.78 min Scan# 1180

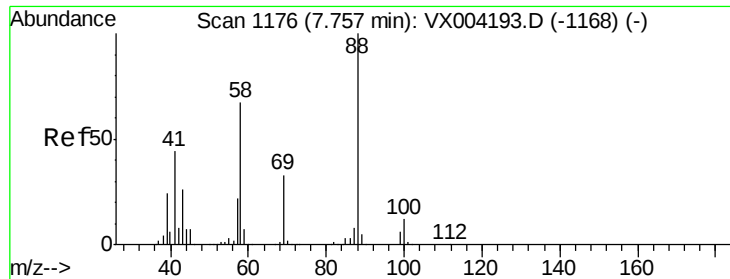
Delta R.T. 0.01 min

Lab File: VX004257.D

Acq: 24 Aug 2018 19:48

Tgt Ion:	41	Resp:	222029
Ion Ratio	Lower	Upper	
41	100		
69	89.2	70.2	105.4
39	53.3	42.7	64.1





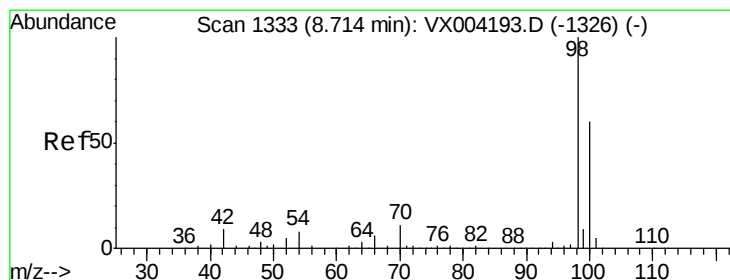
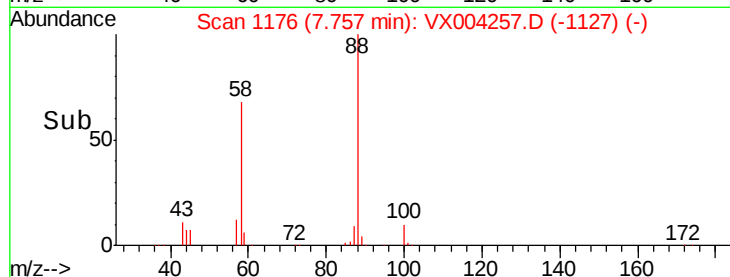
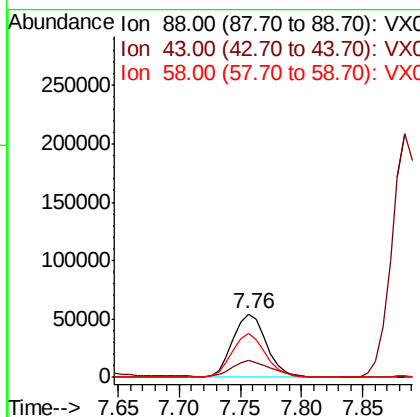
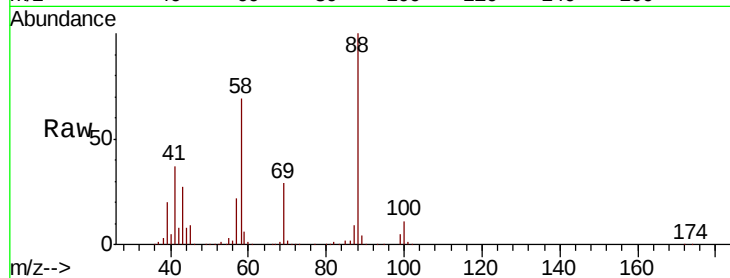
#49
1,4-Dioxane
Concen: 1050.540 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX004257.D
Acq: 24 Aug 2018 19:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
88	100		
43	30.0	24.7	37.1
58	69.1	55.3	82.9

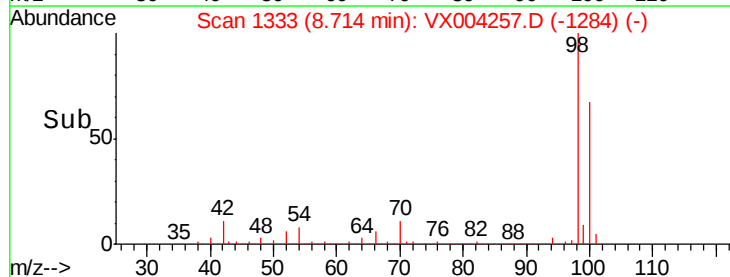
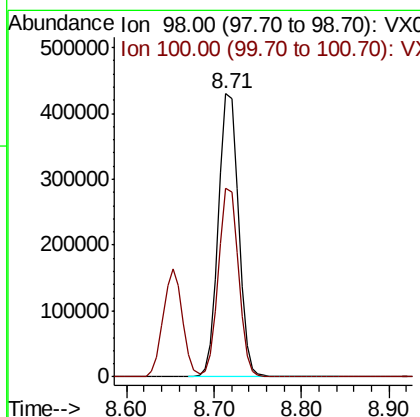
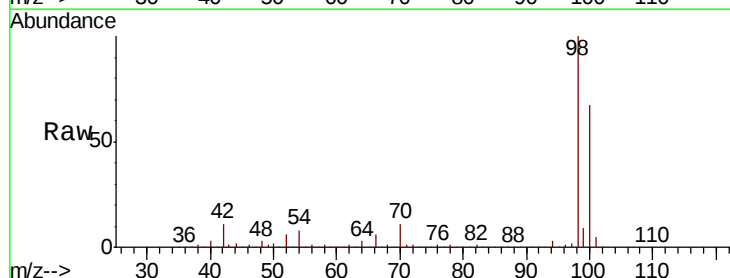
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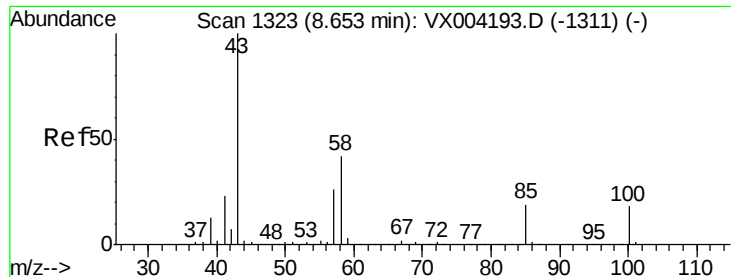
MMDadoda
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#50
Toluene-d8
Concen: 51.048 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.00 min
Lab File: VX004257.D
Acq: 24 Aug 2018 19:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.6	52.9	79.3





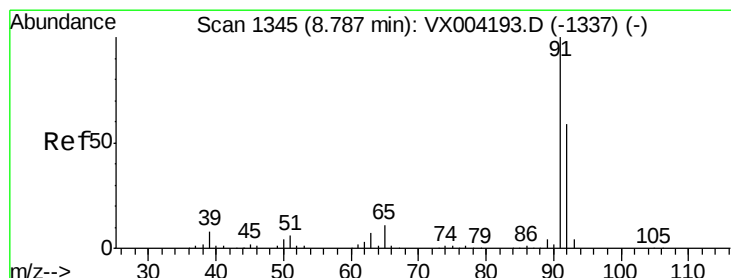
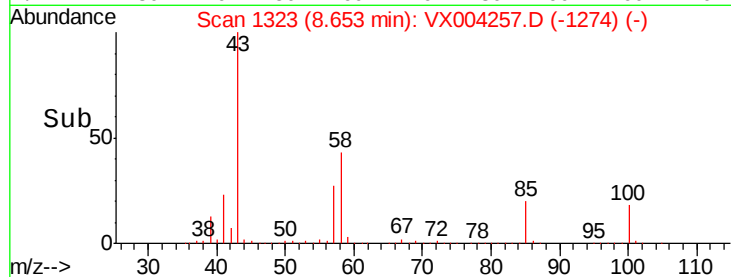
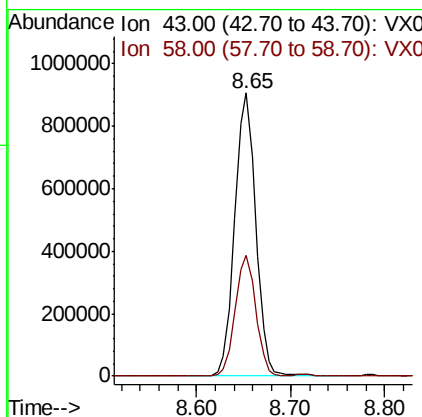
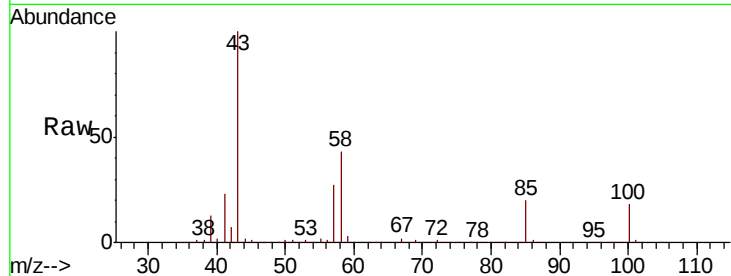
#51
4-Methyl-2-Pentanone
Concen: 239.316 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.00 min
Lab File: VX004257.D
Acq: 24 Aug 2018 19:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1406906
Ion Ratio Lower Upper
43 100
58 42.0 33.1 49.7

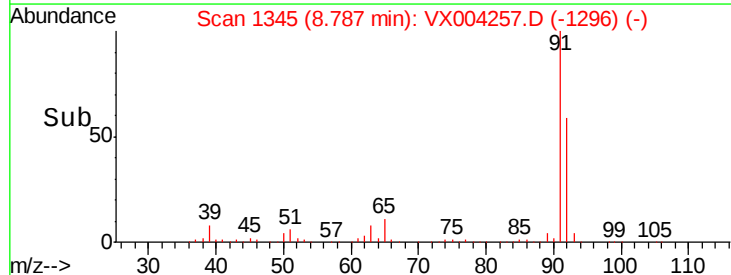
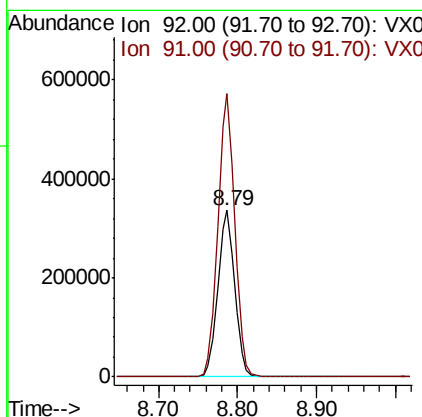
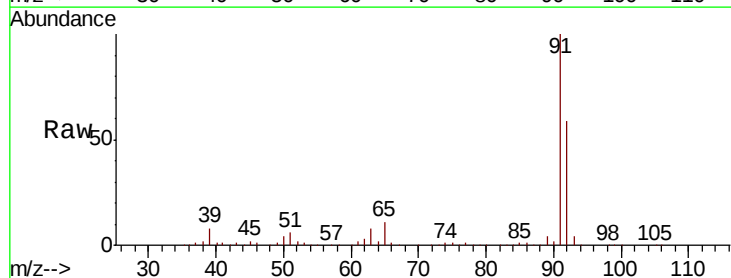
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#52
Toluene
Concen: 49.910 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX004257.D
Acq: 24 Aug 2018 19:48

Tgt Ion: 92 Resp: 499821
Ion Ratio Lower Upper
92 100
91 170.6 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 50.247 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. -0.00 min

Lab File: VX004257.D

Acq: 24 Aug 2018 19:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 75 Resp: 275314

Ion Ratio Lower Upper

75 100

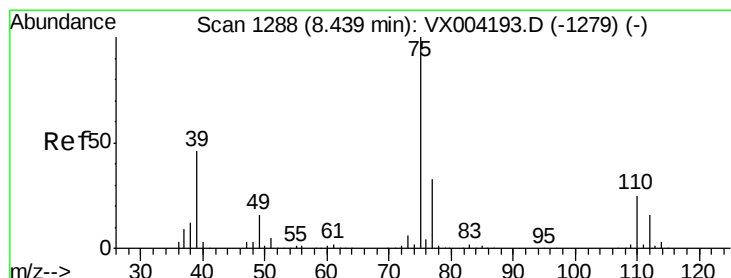
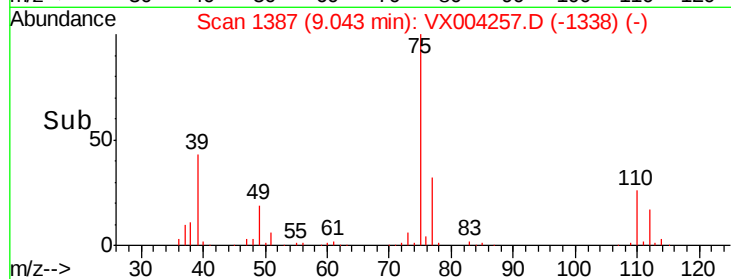
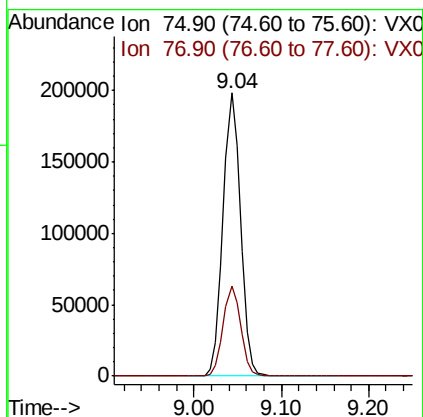
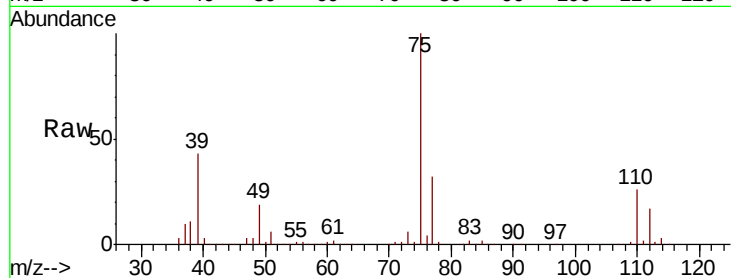
77 32.0 24.6 37.0

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 50.801 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX004257.D

Acq: 24 Aug 2018 19:48

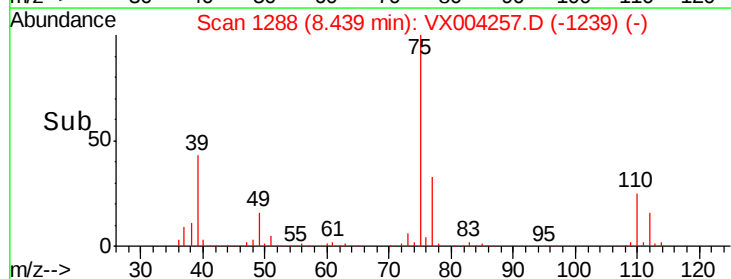
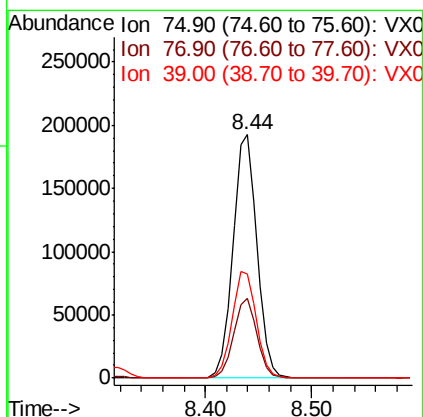
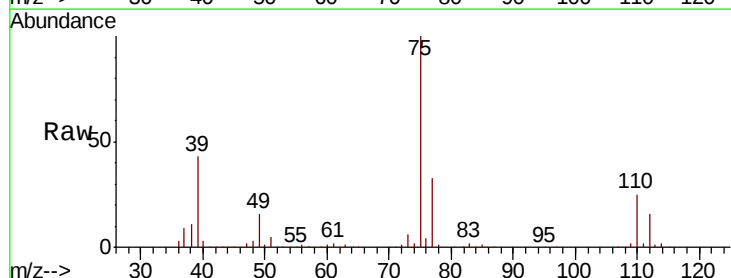
Tgt Ion: 75 Resp: 303196

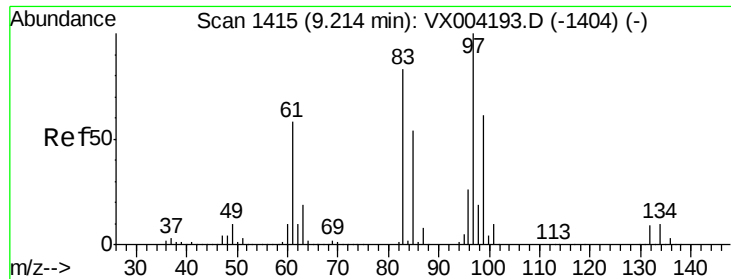
Ion Ratio Lower Upper

75 100

77 32.6 26.2 39.2

39 42.8 36.4 54.6





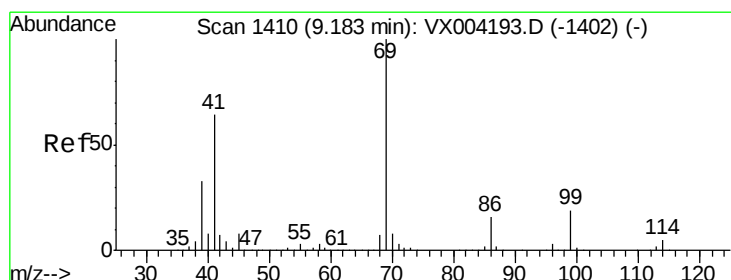
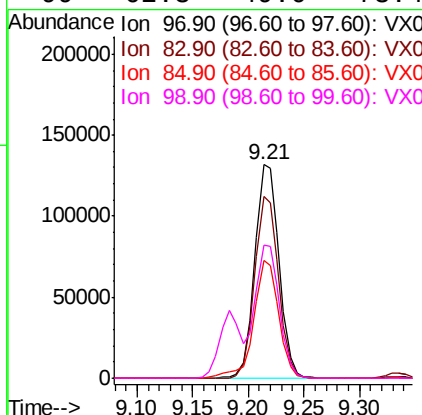
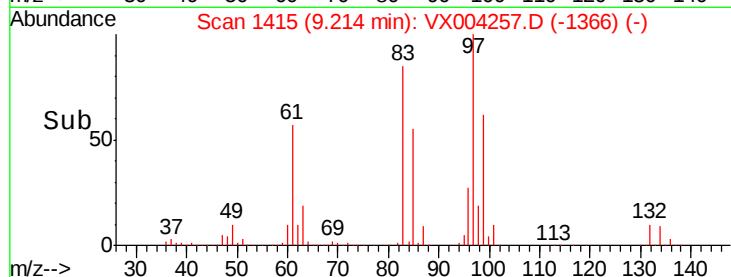
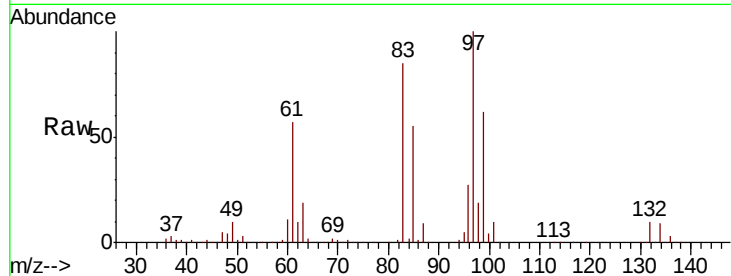
#55
 1,1,2-Trichloroethane
 Concen: 49.694 ug/l
 RT: 9.21 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VX004257.D
 Acq: 24 Aug 2018 19:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	200892		
83	85.1	66.4	99.6	
85	55.2	43.3	64.9	
99	62.3	49.0	73.4	

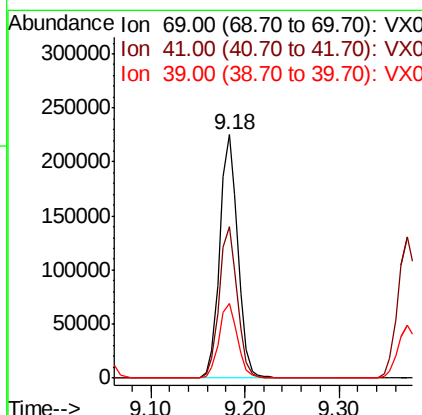
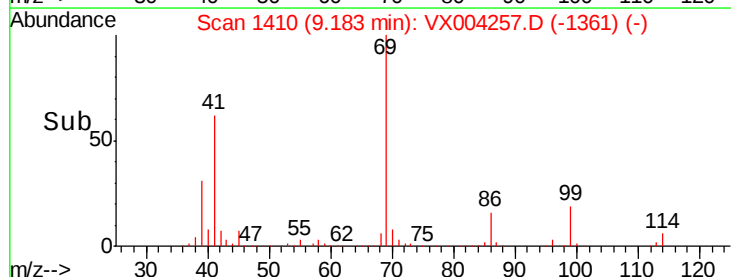
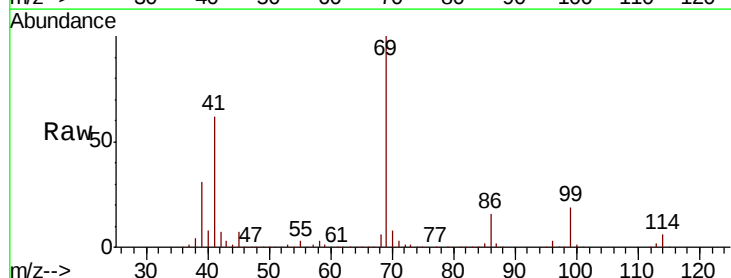
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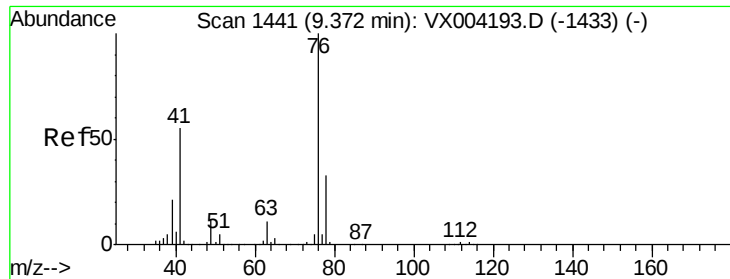
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#56
 Ethyl methacrylate
 Concen: 54.520 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX004257.D
 Acq: 24 Aug 2018 19:48

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	300034		
41	62.3	51.0	76.4	
39	31.2	26.1	39.1	





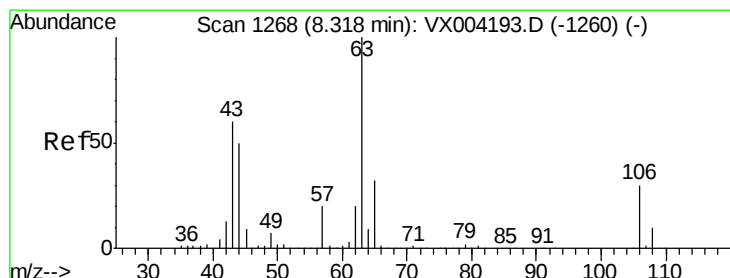
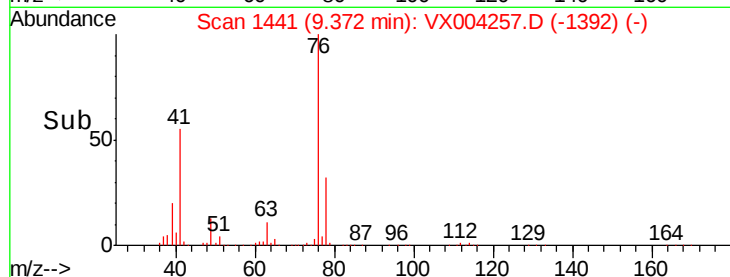
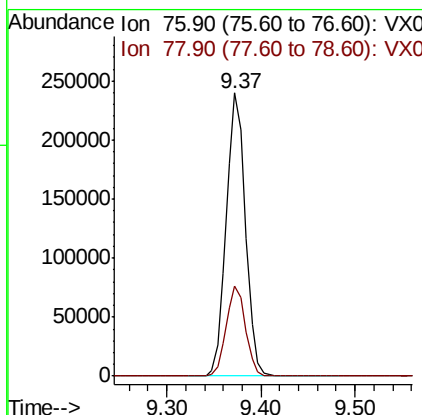
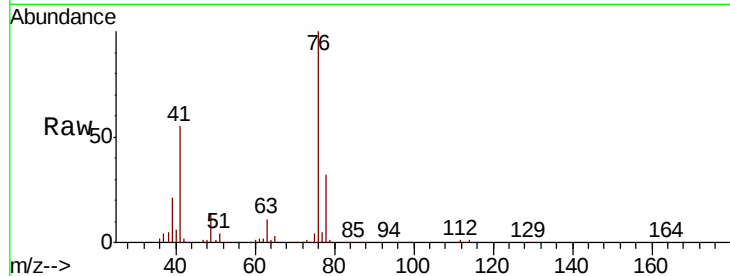
#57
 1,3-Dichloropropane
 Concen: 49.869 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VX004257.D
 Acq: 24 Aug 2018 19:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 76 Resp: 339810
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.5 38.3

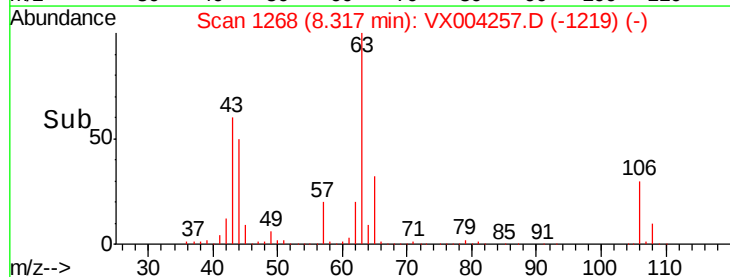
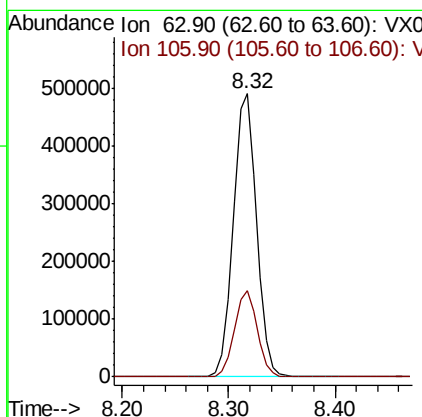
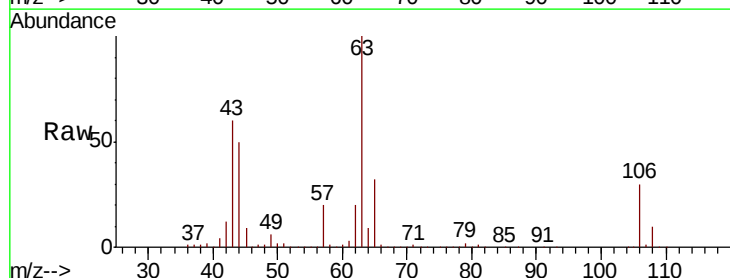
Manual Integrations
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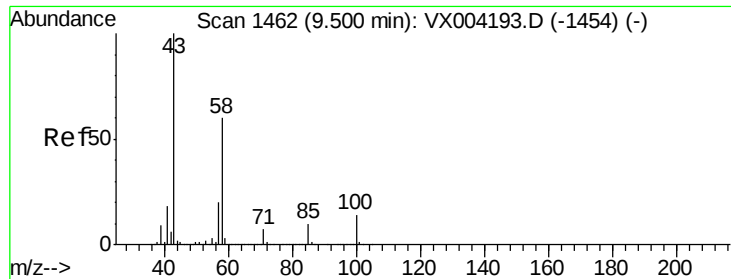
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#58
 2-Chloroethyl Vinyl ether
 Concen: 266.349 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX004257.D
 Acq: 24 Aug 2018 19:48

Tgt Ion: 63 Resp: 751045
 Ion Ratio Lower Upper
 63 100
 106 30.0 23.9 35.9





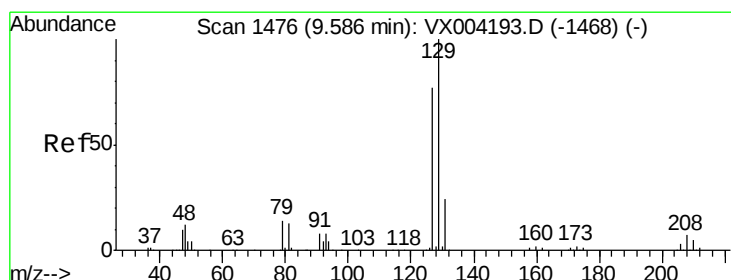
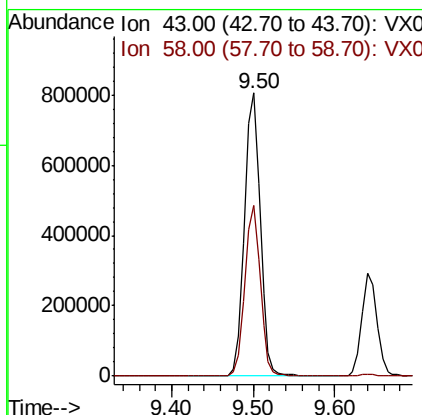
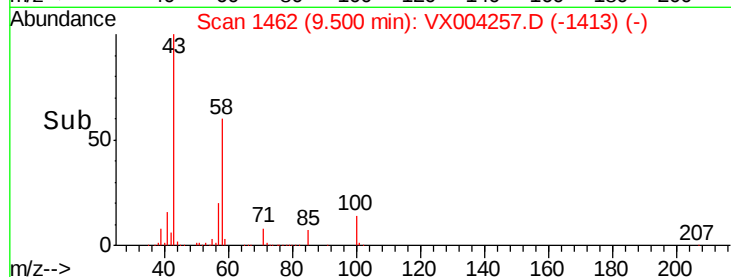
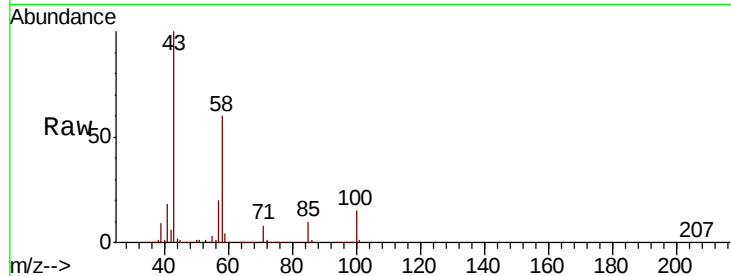
#59
2-Hexanone
Concen: 240.317 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX004257.D
Acq: 24 Aug 2018 19:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1077826
Ion Ratio Lower Upper
43 100
58 59.1 29.0 87.0

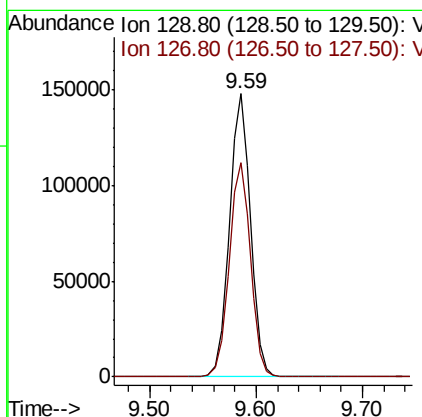
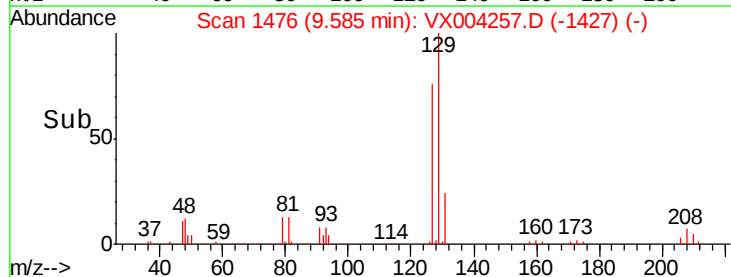
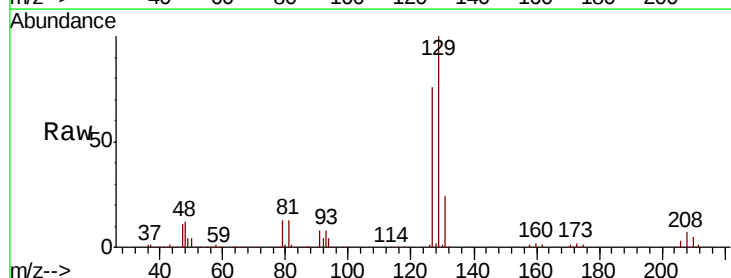
Manual Integrations
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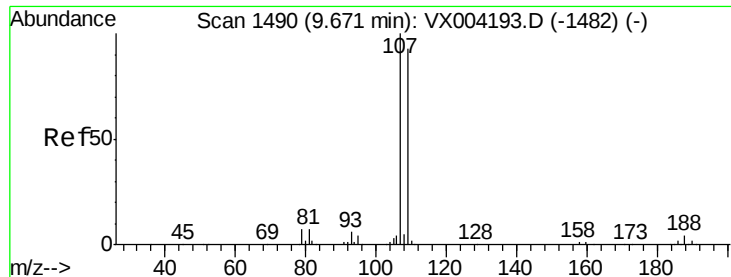
MMDadoda
8/27/2018 3:12:25 PM



#60
Dibromochloromethane
Concen: 51.923 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX004257.D
Acq: 24 Aug 2018 19:48

Tgt Ion: 129 Resp: 204506
Ion Ratio Lower Upper
129 100
127 76.9 38.5 115.5





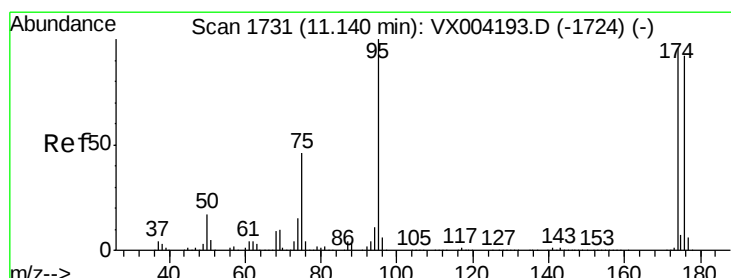
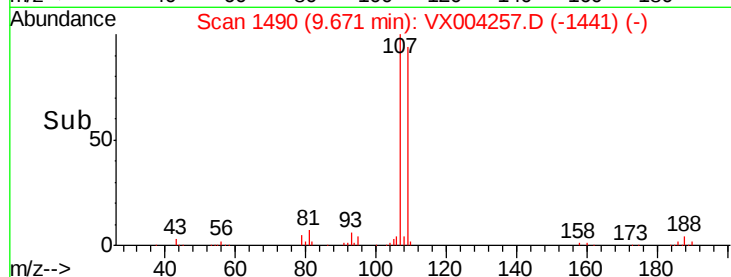
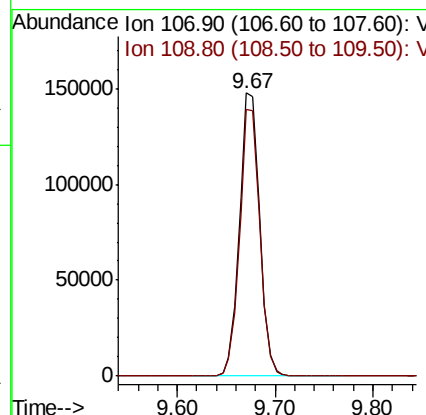
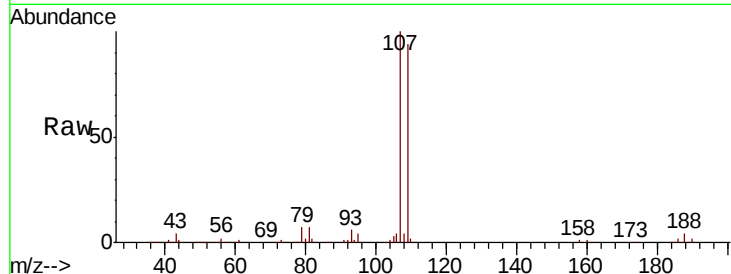
#61
 1,2-Dibromoethane
 Concen: 50.438 ug/l
 RT: 9.67 min Scan# 1490
 Delta R.T. -0.00 min
 Lab File: VX004257.D
 Acq: 24 Aug 2018 19:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	211010		
109	94.4	76.0	114.0	

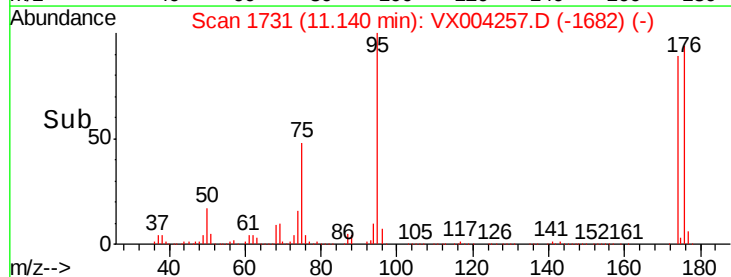
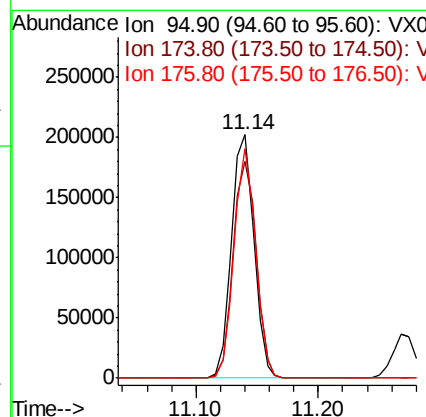
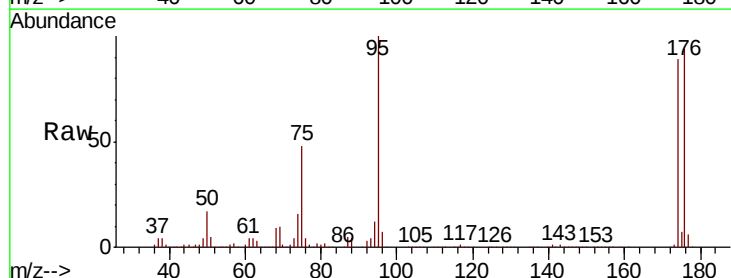
Manual Integrations
 APPROVED

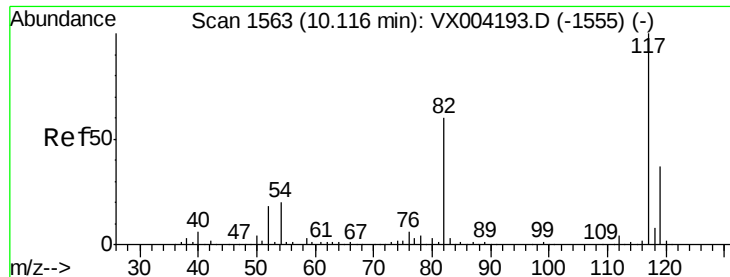
MMDadoda
 8/27/2018 3:12:25 PM



#62
 4-Bromofluorobenzene
 Concen: 51.518 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.00 min
 Lab File: VX004257.D
 Acq: 24 Aug 2018 19:48

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	257073		
174	91.0	0.0	185.2	
176	90.5	0.0	178.6	





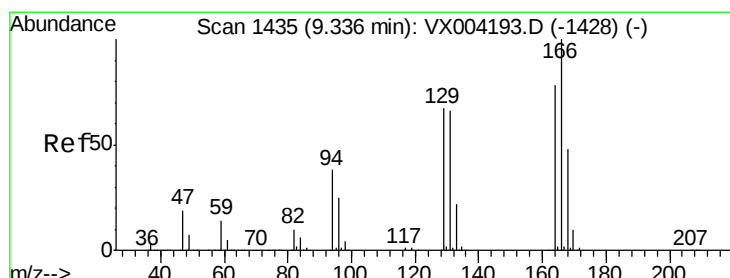
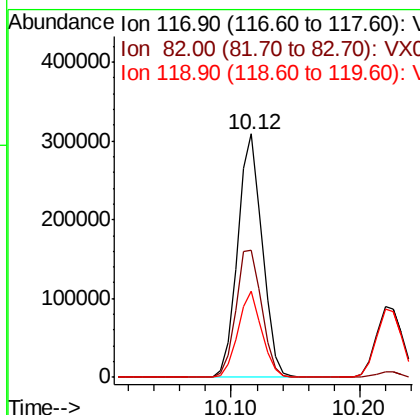
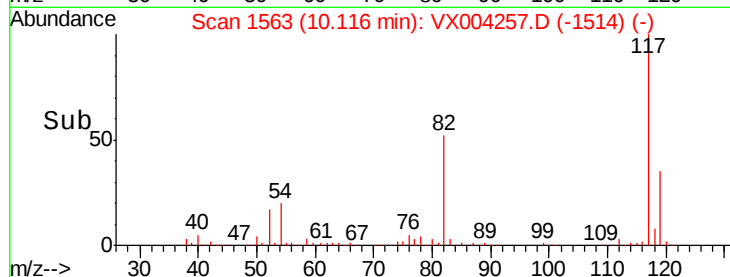
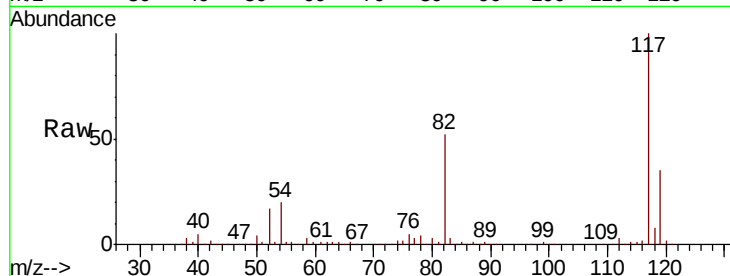
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004257.D
Acq: 24 Aug 2018 19:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	408289		
82	52.2	47.8	71.6	
119	35.4	29.3	43.9	

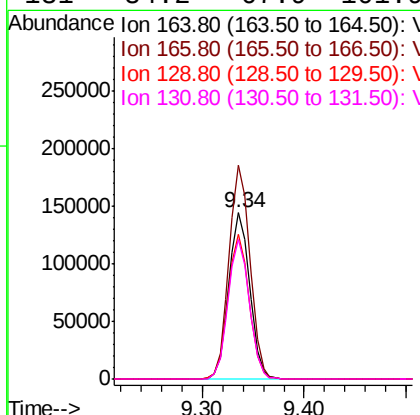
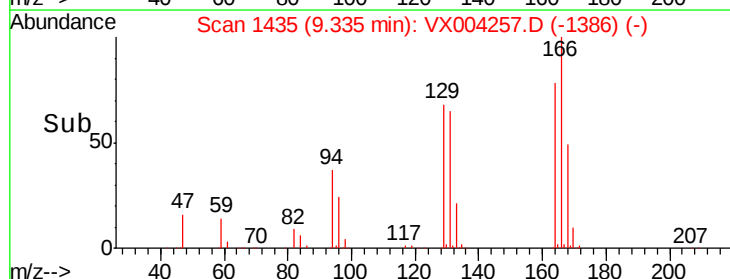
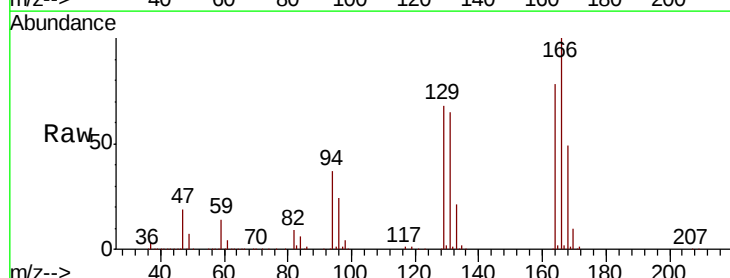
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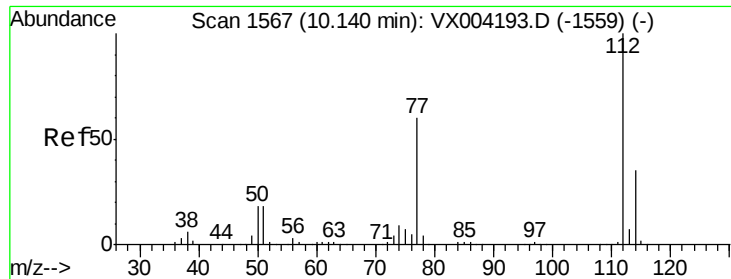
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#64
Tetrachloroethene
Concen: 50.588 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004257.D
Acq: 24 Aug 2018 19:48

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	204040		
166	128.5	102.8	154.2	
129	86.8	69.4	104.0	
131	84.2	67.9	101.9	





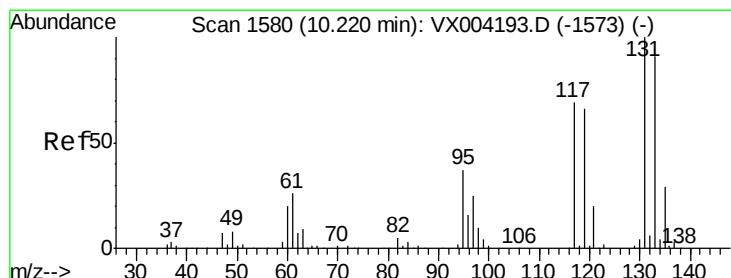
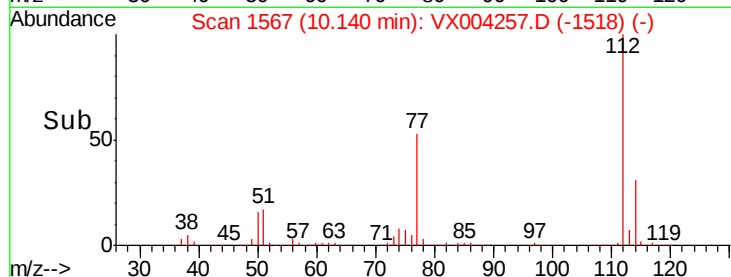
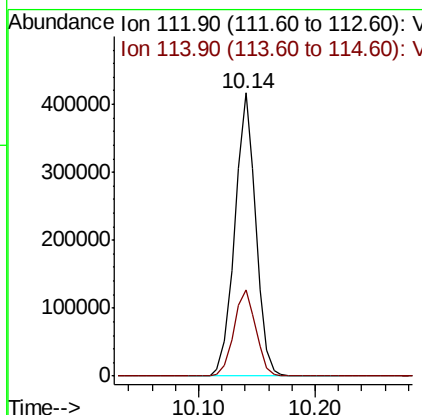
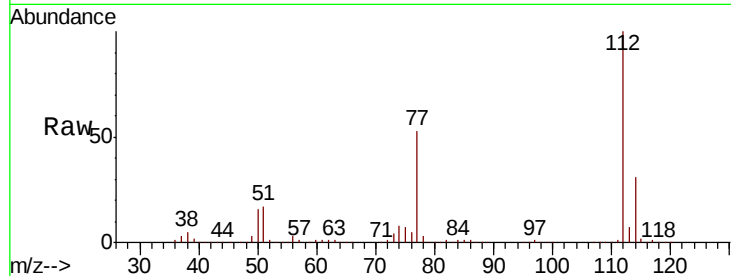
#65
Chlorobenzene
Concen: 50.915 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX004257.D
Acq: 24 Aug 2018 19:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 521724
Ion Ratio Lower Upper
112 100
114 30.5 27.8 41.8

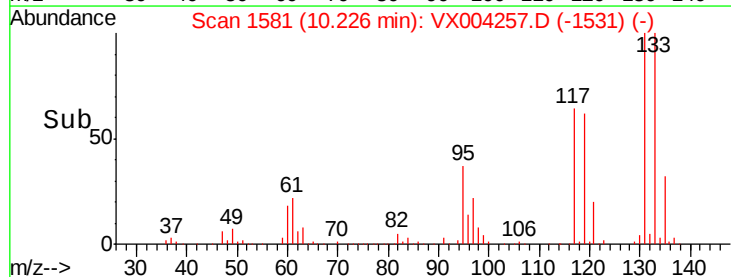
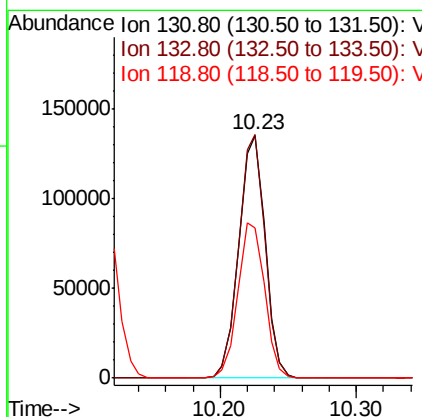
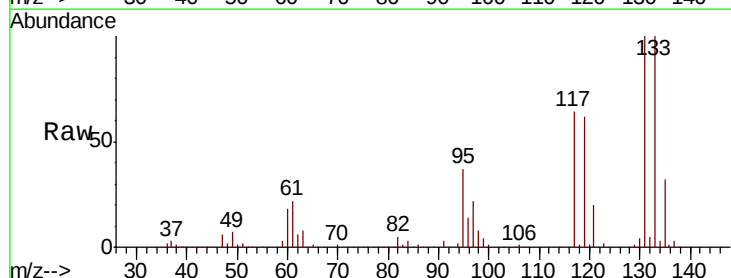
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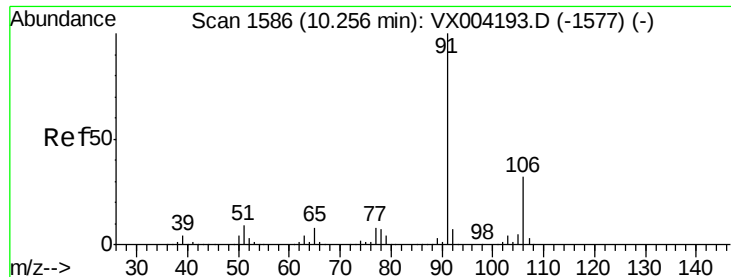
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.676 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.01 min
Lab File: VX004257.D
Acq: 24 Aug 2018 19:48

Tgt Ion:131 Resp: 182639
Ion Ratio Lower Upper
131 100
133 99.5 48.1 144.4
119 65.0 32.9 98.6





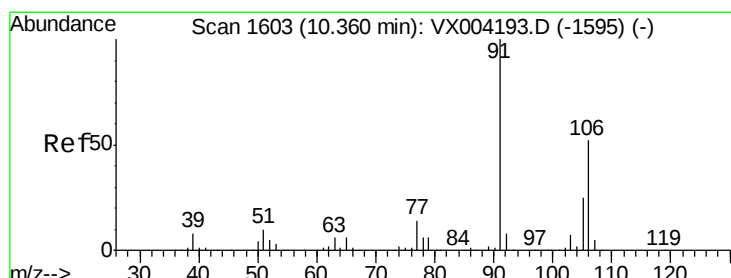
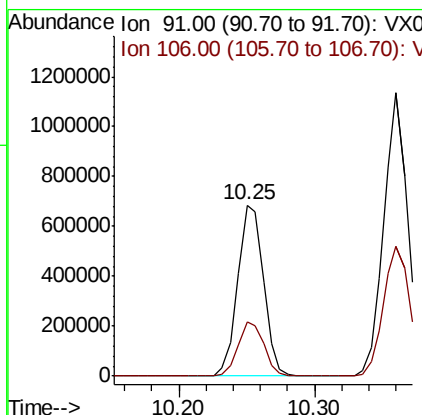
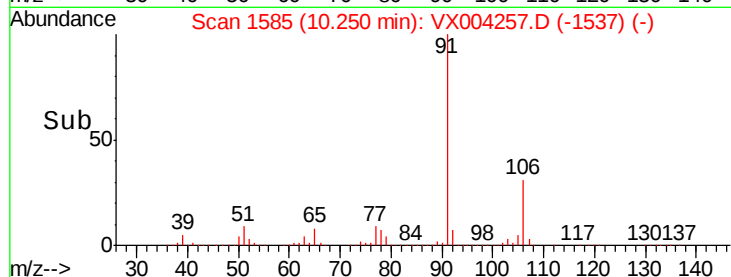
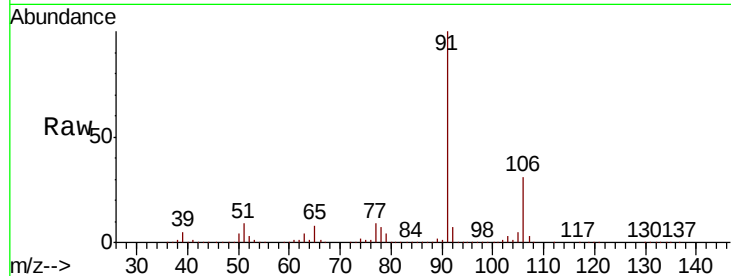
#67
Ethyl Benzene
Concen: 54.433 ug/l
RT: 10.25 min Scan# 1585
Delta R.T. -0.01 min
Lab File: VX004257.D
Acq: 24 Aug 2018 19:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 905841
Ion Ratio Lower Upper
91 100
106 31.5 25.9 38.9

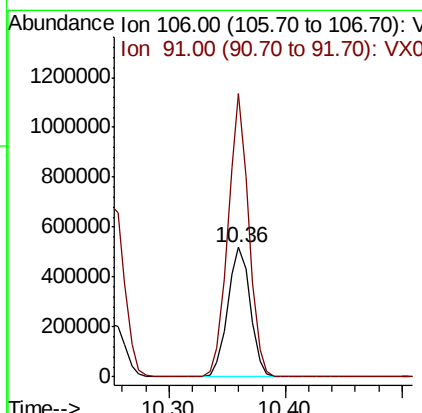
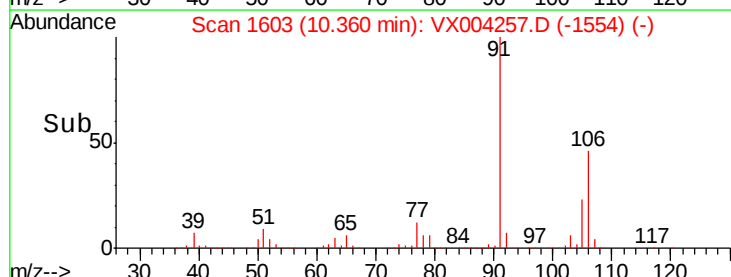
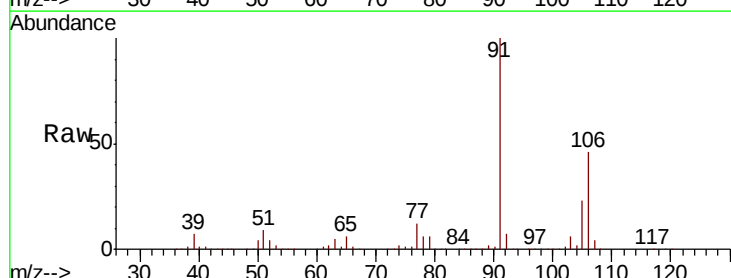
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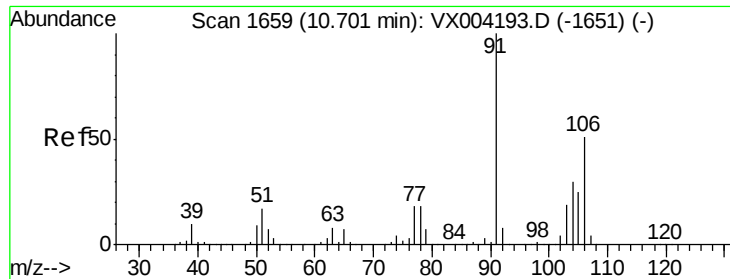
MMDadoda
8/27/2018 3:12:25 PM



#68
m/p-Xylenes
Concen: 107.425 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX004257.D
Acq: 24 Aug 2018 19:48

Tgt Ion: 106 Resp: 699030
Ion Ratio Lower Upper
106 100
91 200.1 157.1 235.7





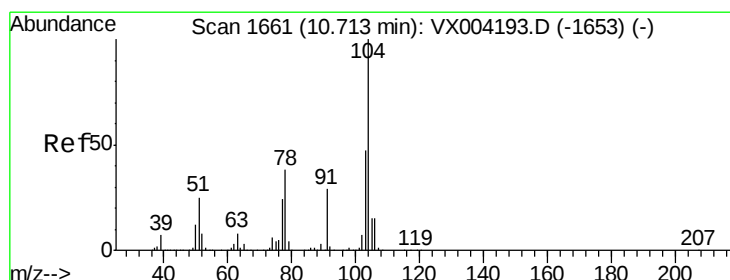
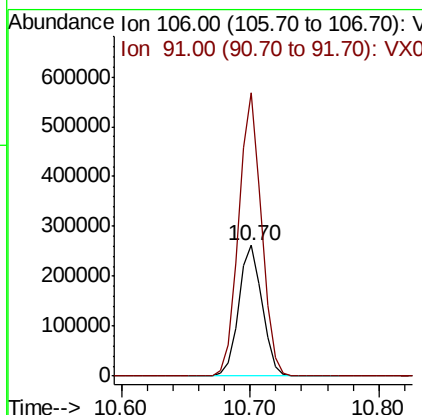
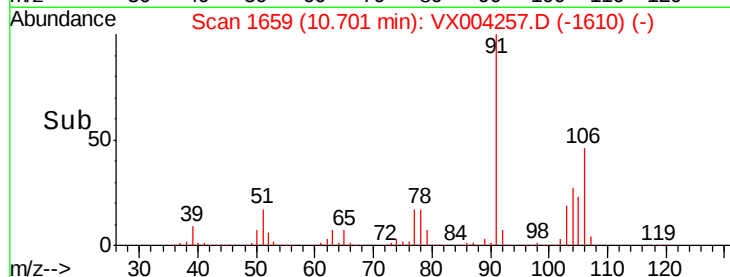
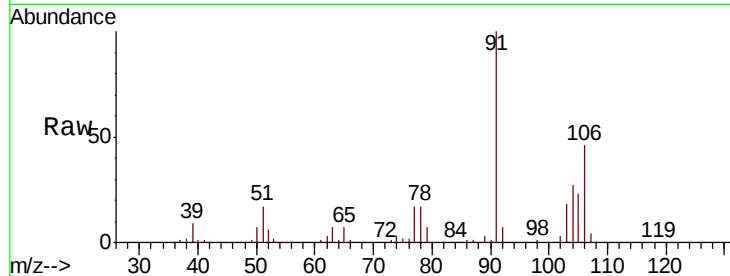
#69
o-Xylene
Concen: 53.390 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004257.D
Acq: 24 Aug 2018 19:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 328629
Ion Ratio Lower Upper
106 100
91 211.0 105.1 315.1

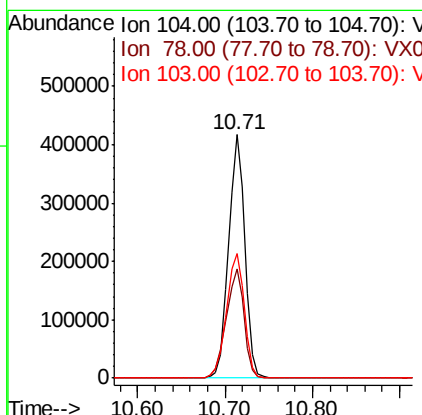
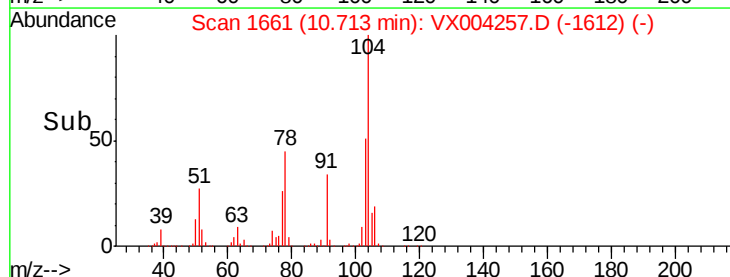
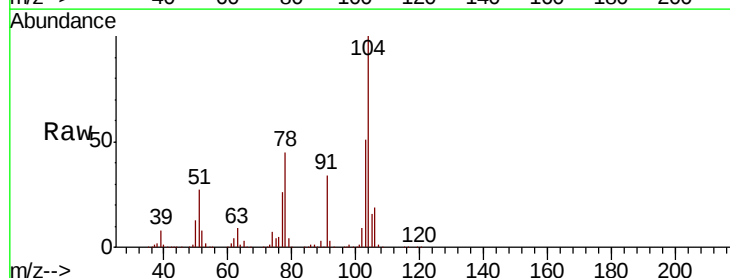
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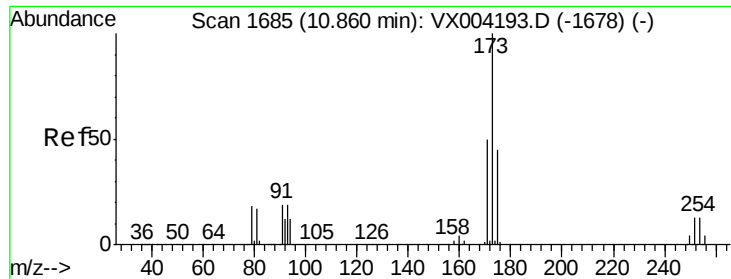
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#70
Styrene
Concen: 54.000 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004257.D
Acq: 24 Aug 2018 19:48

Tgt Ion:104 Resp: 538189
Ion Ratio Lower Upper
104 100
78 49.0 37.4 56.0
103 56.2 43.8 65.6





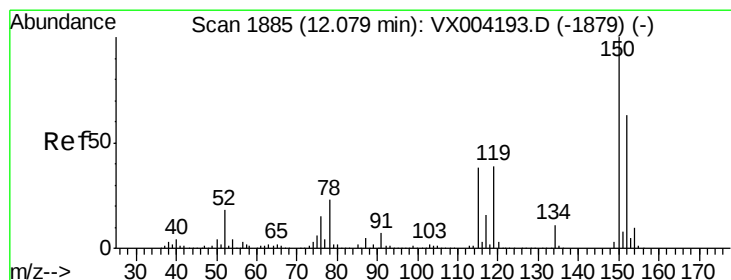
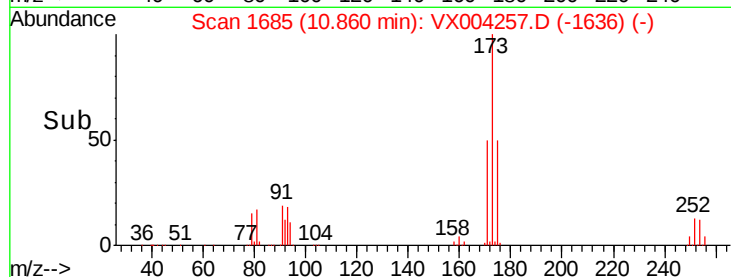
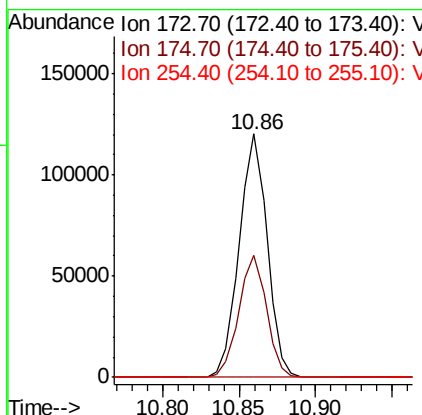
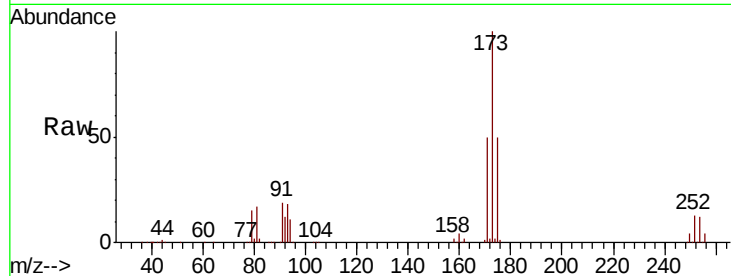
#71
Bromoform
Concen: 53.584 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX004257.D
Acq: 24 Aug 2018 19:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.1	72.3
254	0.2	0.2	0.2

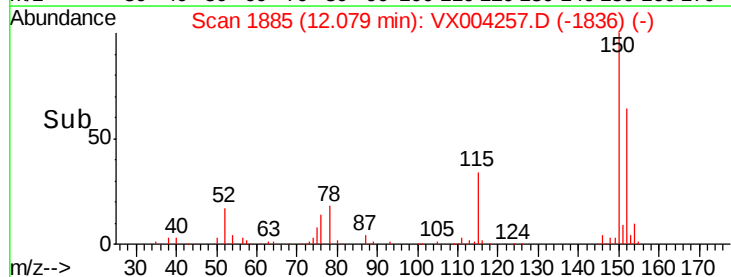
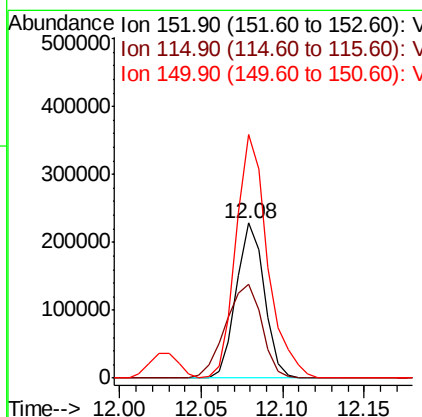
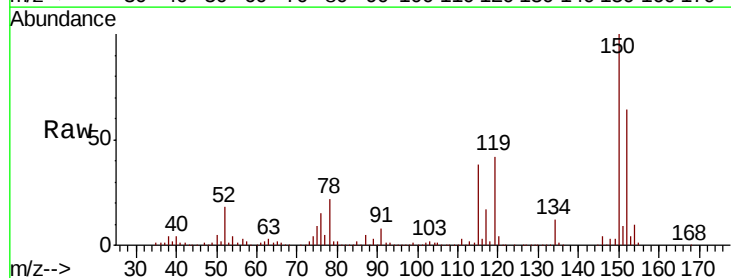
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX004257.D
Acq: 24 Aug 2018 19:48

Tgt Ion	Ratio	Lower	Upper
152	100		
115	77.9	39.0	117.0
150	176.3	0.0	351.0





#73

Isopropylbenzene

Concen: 53.270 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004257.D

Acq: 24 Aug 2018 19:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 105 Resp: 959867

Ion Ratio Lower Upper

105 100

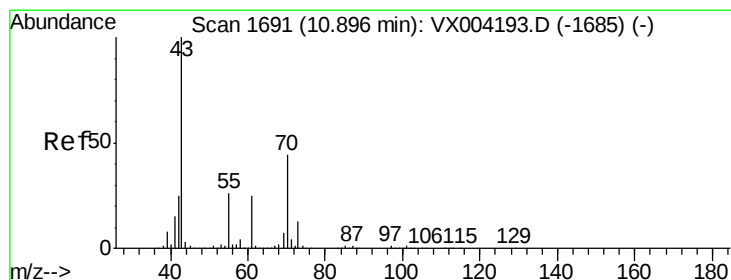
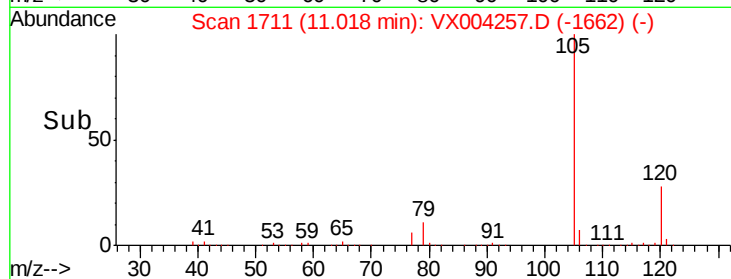
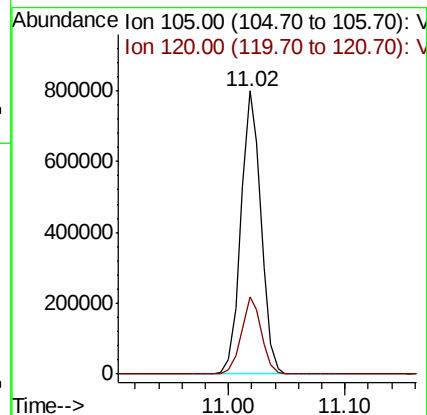
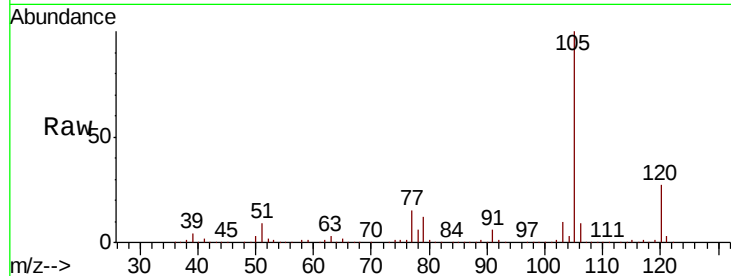
120 27.0 13.5 40.4

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#74

N-ethyl acetate

Concen: 53.227 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. 0.01 min

Lab File: VX004257.D

Acq: 24 Aug 2018 19:48

Tgt Ion: 43 Resp: 369280

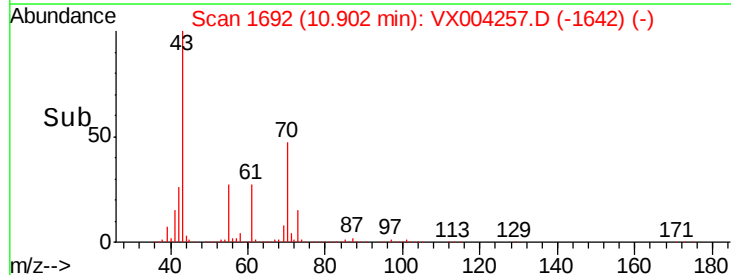
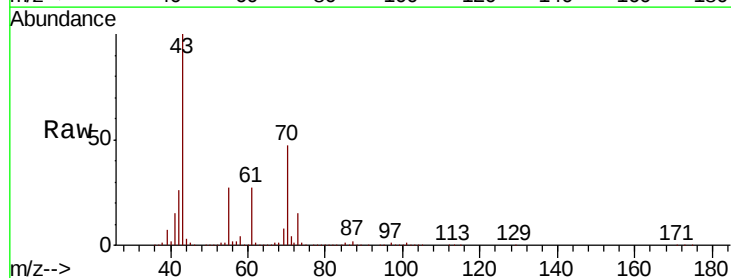
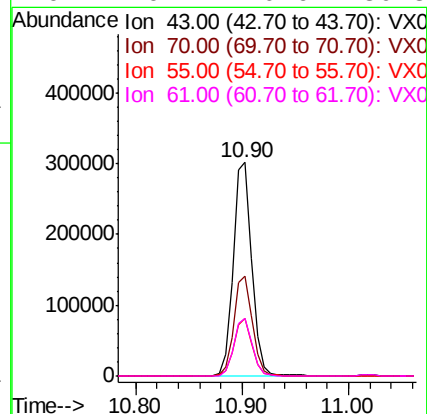
Ion Ratio Lower Upper

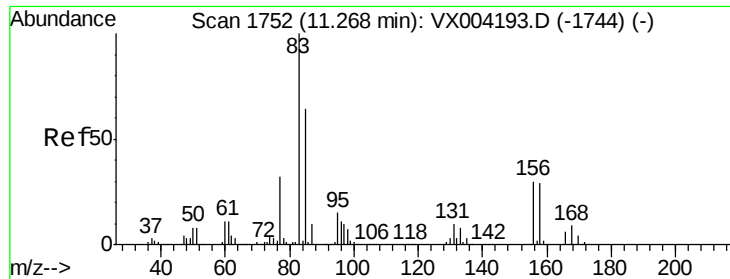
43 100

70 46.8 37.4 56.0

55 26.7 21.8 32.8

61 26.4 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 49.172 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004257.D

Acq: 24 Aug 2018 19:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 310060
Ion Ratio Lower Upper

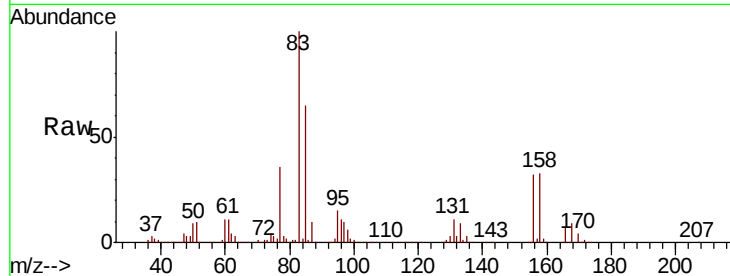
83 100

131 10.7 5.2 15.6

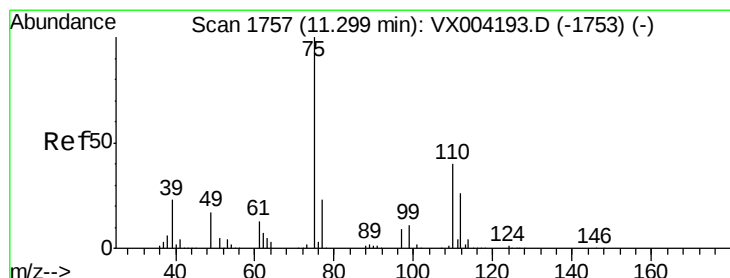
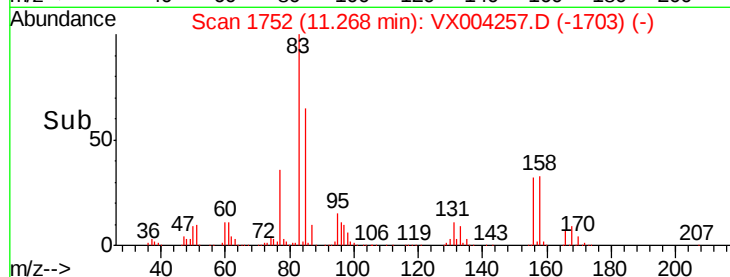
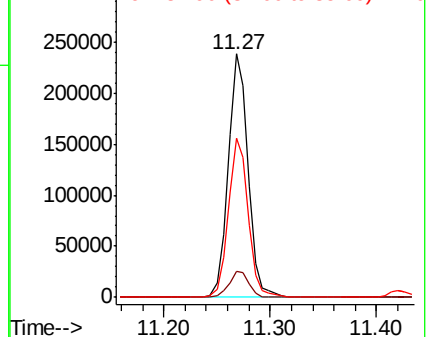
85 65.3 32.3 96.8

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



#76

1,2,3-Trichloropropane

Concen: 49.936 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

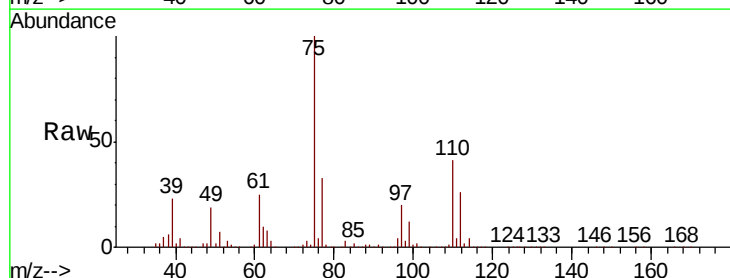
Lab File: VX004257.D

Acq: 24 Aug 2018 19:48

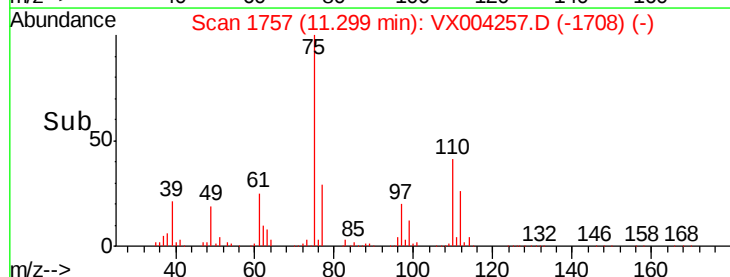
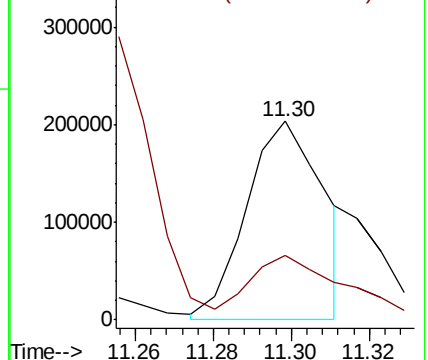
Tgt Ion: 75 Resp: 278632
Ion Ratio Lower Upper

75 100

77 40.3 20.2 60.6



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





#77

Bromobenzene

Concen: 50.842 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004257.D

Acq: 24 Aug 2018 19:48

Instrument :

MSVOA_X

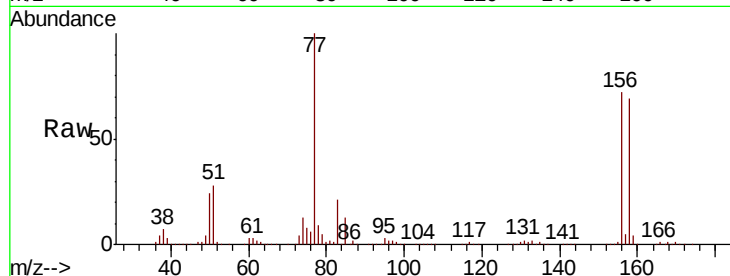
ClientSampleId :

VSTDCCC050EC

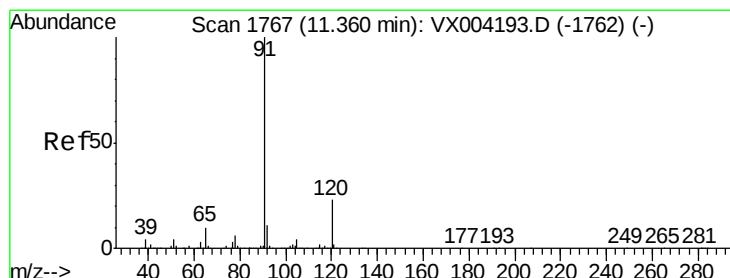
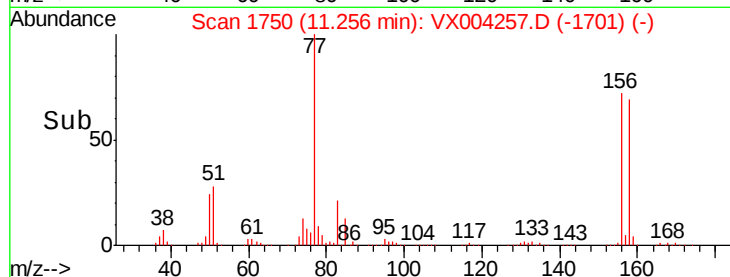
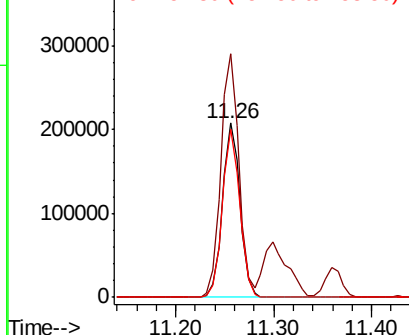
Tgt Ion:	156	Resp:	256982
Ion Ratio	Lower	Upper	
156	100		
77	144.0	71.5	214.3
158	96.2	48.9	146.8

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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: 53.290 ug/l

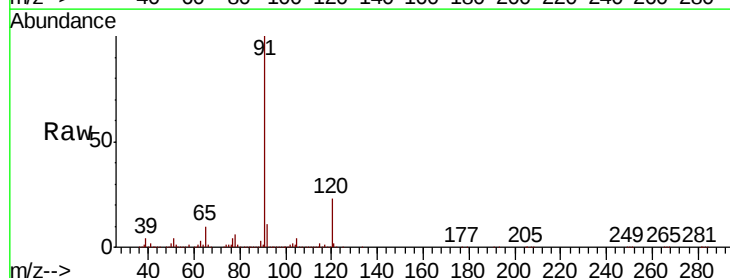
RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

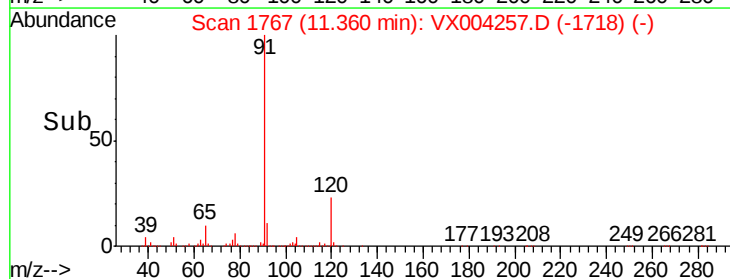
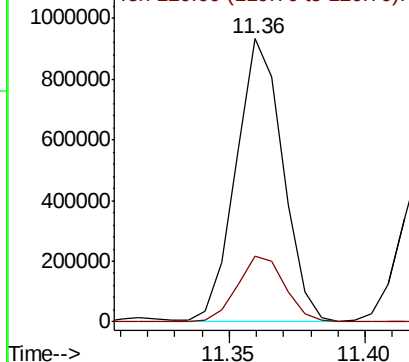
Lab File: VX004257.D

Acq: 24 Aug 2018 19:48

Tgt Ion:	91	Resp:	1104381
Ion Ratio	Lower	Upper	
91	100		
120	24.0	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: 51.103 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX004257.D

Acq: 24 Aug 2018 19:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 651864

Ion Ratio Lower Upper

91 100

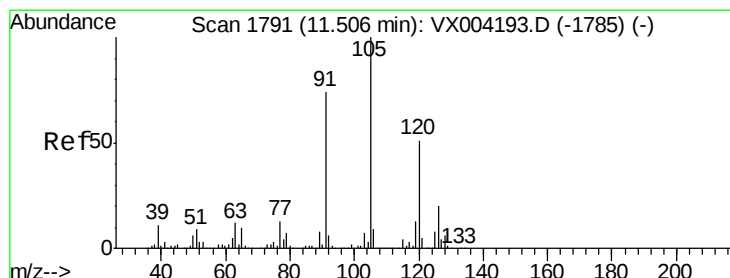
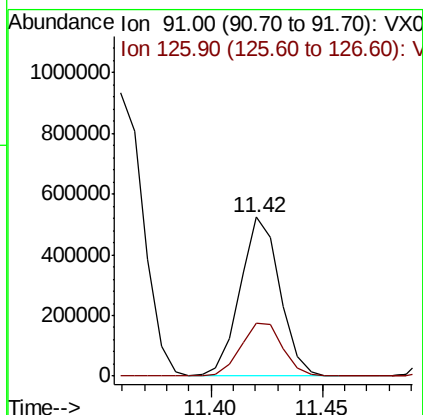
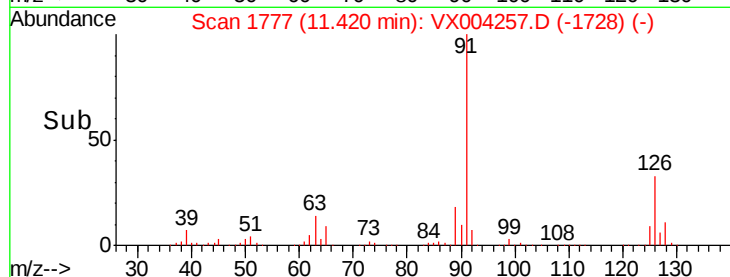
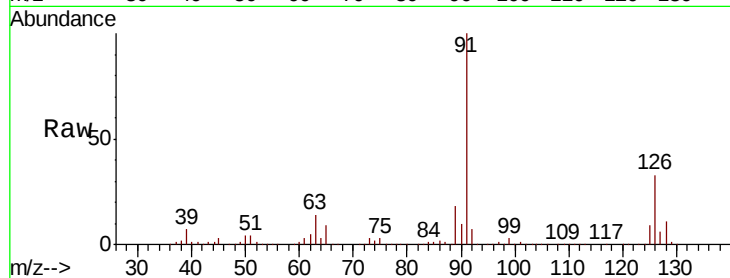
126 35.0 17.9 53.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 54.158 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX004257.D

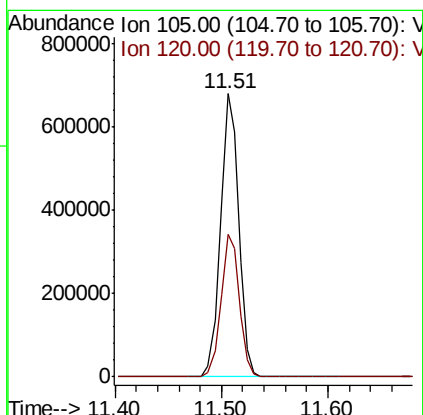
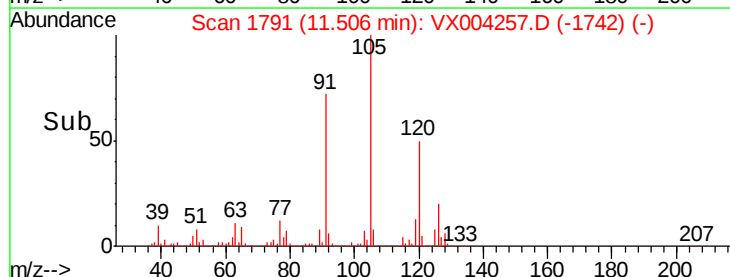
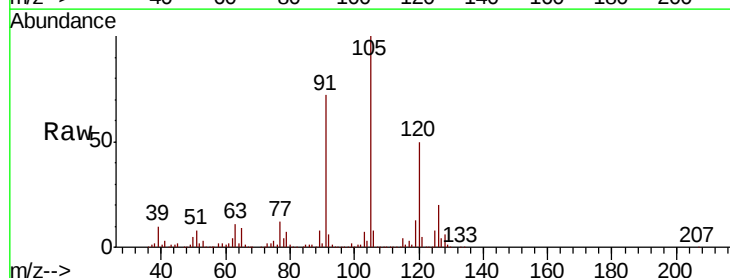
Acq: 24 Aug 2018 19:48

Tgt Ion: 105 Resp: 808142

Ion Ratio Lower Upper

105 100

120 50.6 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 50.506 ug/l

RT: 11.07 min Scan# 1720

Delta R.T. -0.00 min

Lab File: VX004257.D

Acq: 24 Aug 2018 19:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 75 Resp: 86856
Ion Ratio Lower Upper

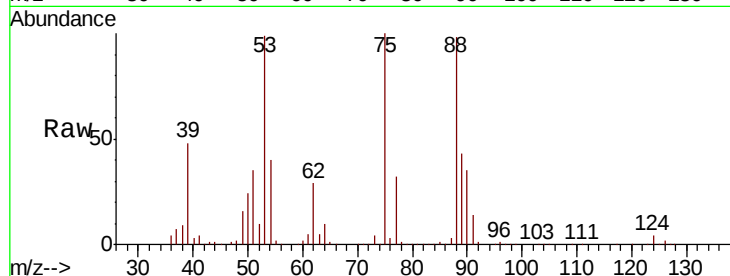
75 100

53 99.1 80.1 120.1

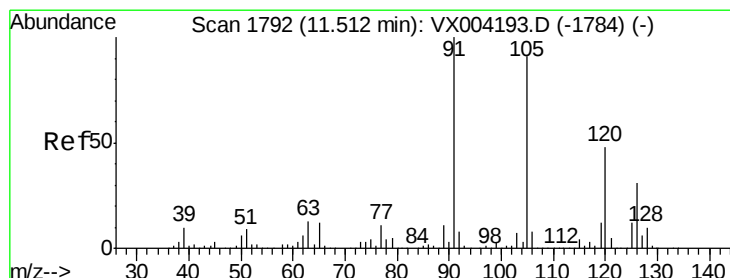
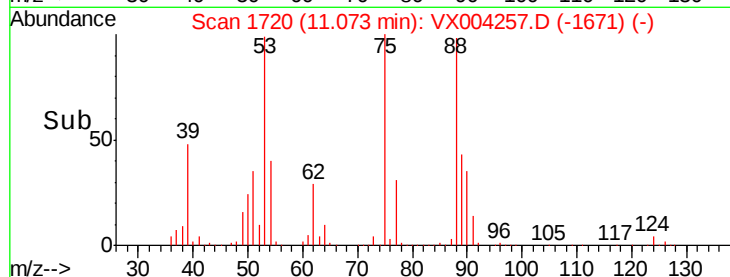
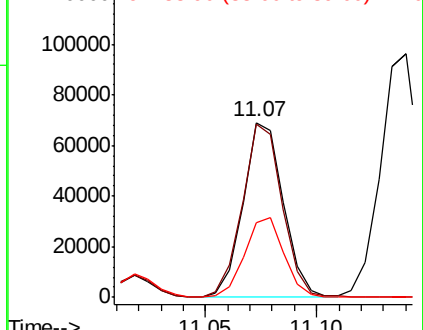
89 45.0 37.2 55.8

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



#82

4-Chlorotoluene

Concen: 51.045 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

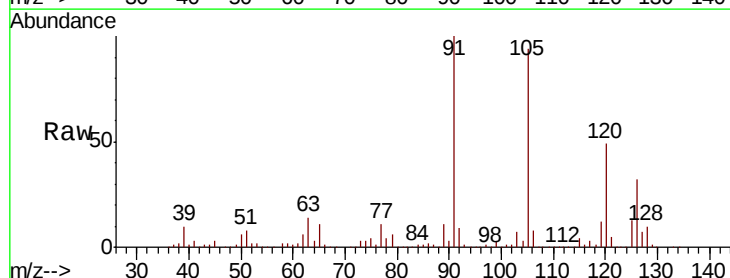
Lab File: VX004257.D

Acq: 24 Aug 2018 19:48

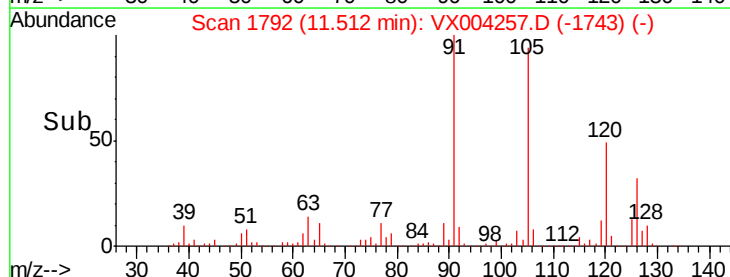
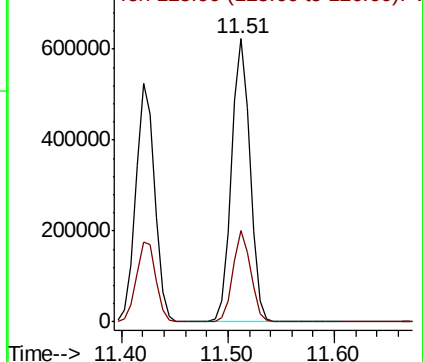
Tgt Ion: 91 Resp: 766186
Ion Ratio Lower Upper

91 100

126 31.1 15.5 46.5



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





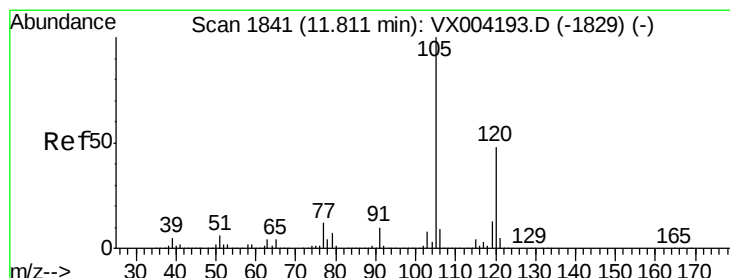
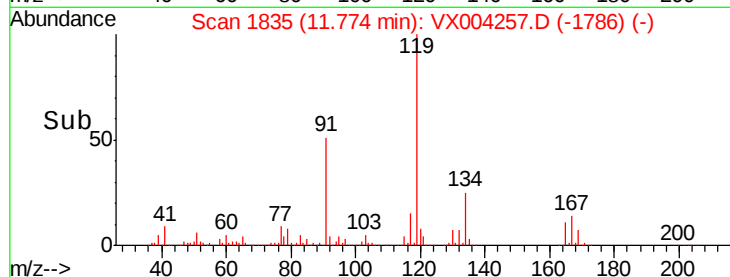
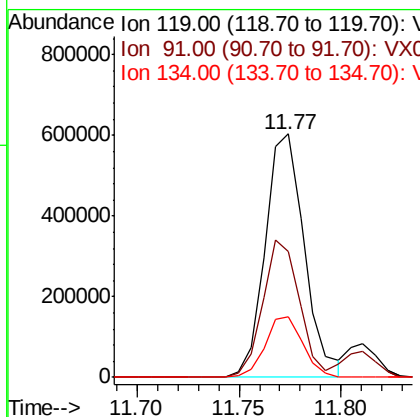
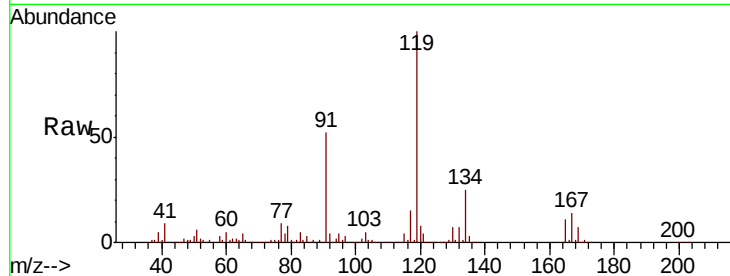
#83
 tert-Butylbenzene
 Concen: 53.874 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX004257.D
 Acq: 24 Aug 2018 19:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
119	100		
91	52.8	27.0	81.0
134	23.9	11.7	35.1

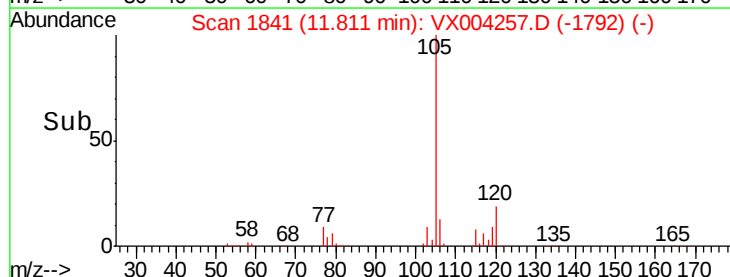
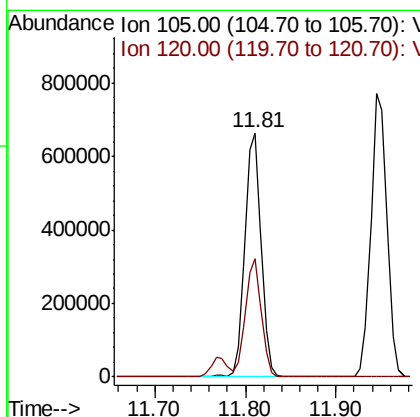
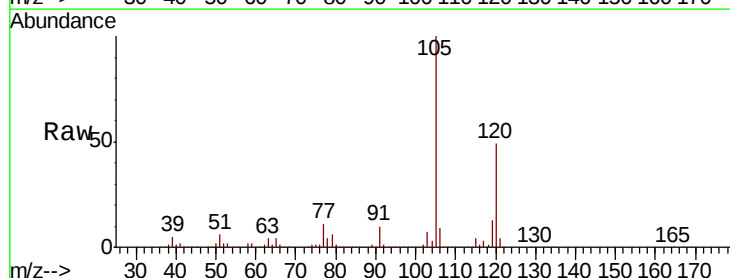
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#84
 1,2,4-Trimethylbenzene
 Concen: 54.021 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX004257.D
 Acq: 24 Aug 2018 19:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.9	23.2	69.6





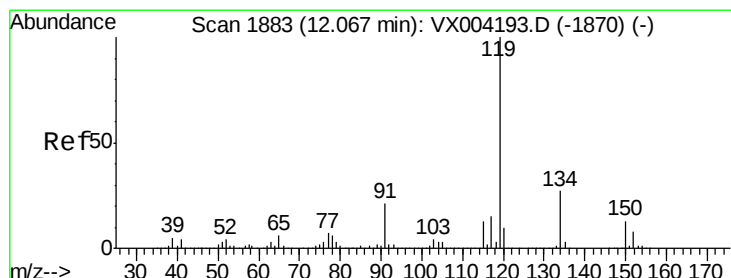
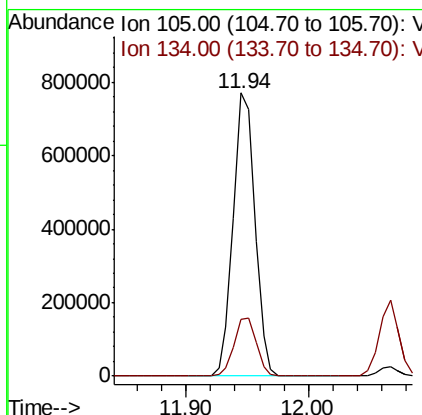
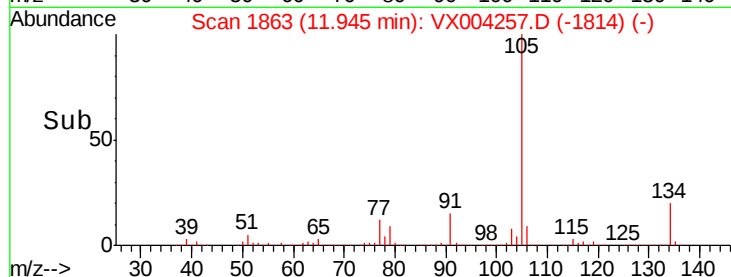
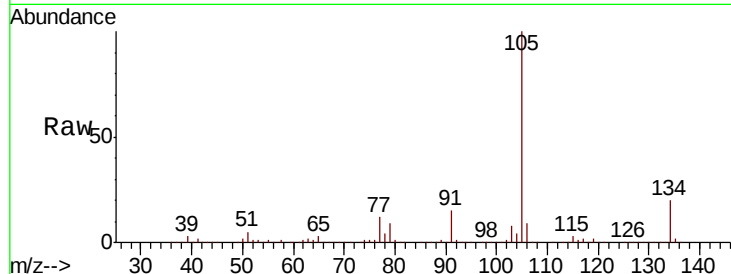
#85
 sec-Butylbenzene
 Concen: 53.054 ug/l
 RT: 11.94 min Scan# 1863
 Delta R.T. -0.00 min
 Lab File: VX004257.D
 Acq: 24 Aug 2018 19:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
105	100		
134	21.1	10.5	31.5

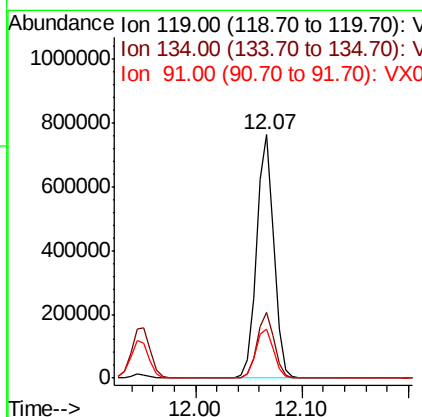
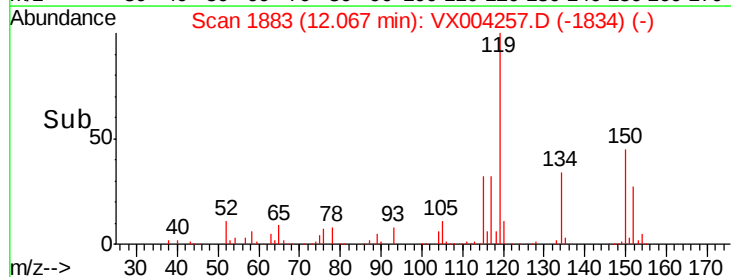
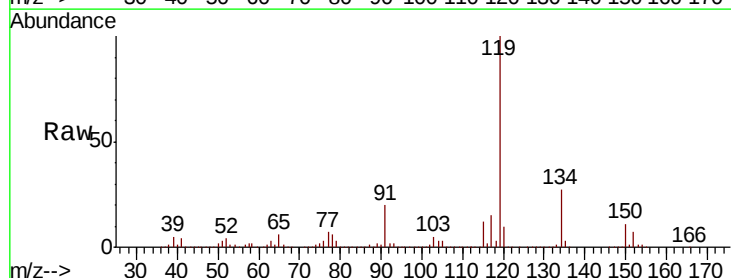
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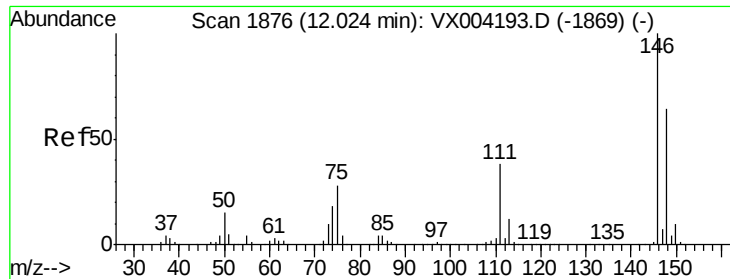
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#86
 p-Isopropyltoluene
 Concen: 54.107 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX004257.D
 Acq: 24 Aug 2018 19:48

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.0	13.4	40.2
91	21.2	10.9	32.7





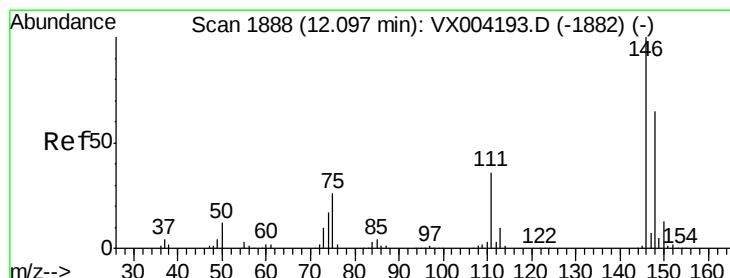
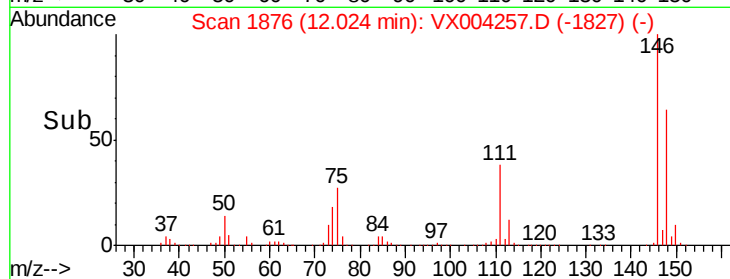
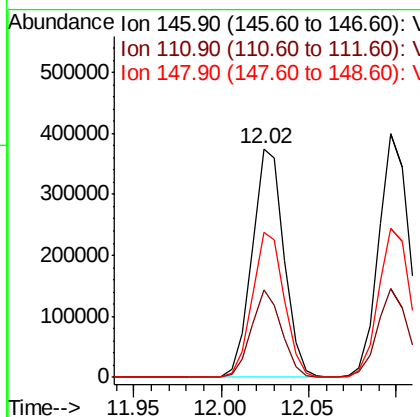
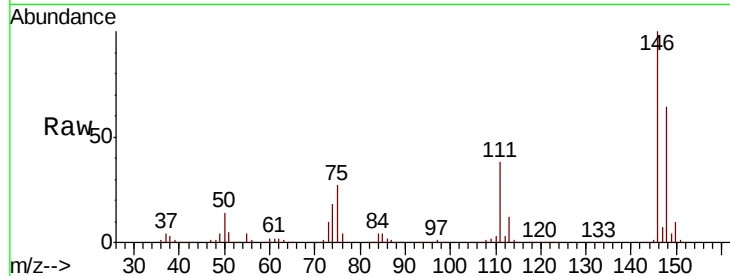
#87
 1,3-Dichlorobenzene
 Concen: 49.655 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VX004257.D
 Acq: 24 Aug 2018 19:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.7	56.1
148	63.8	32.1	96.5

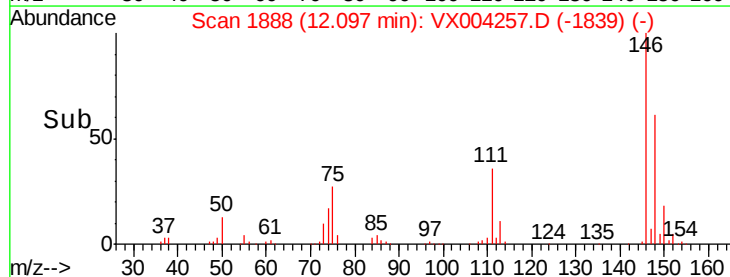
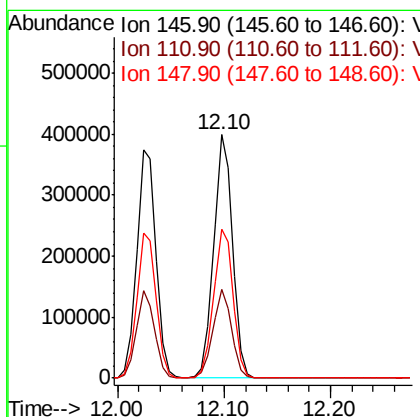
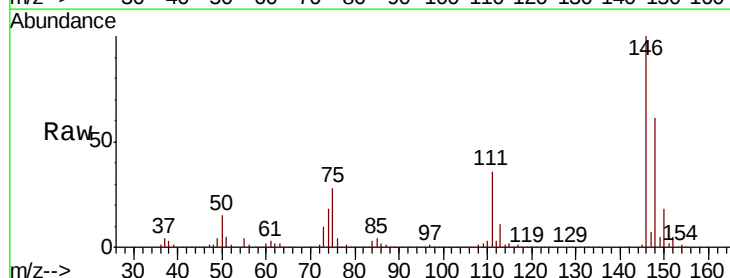
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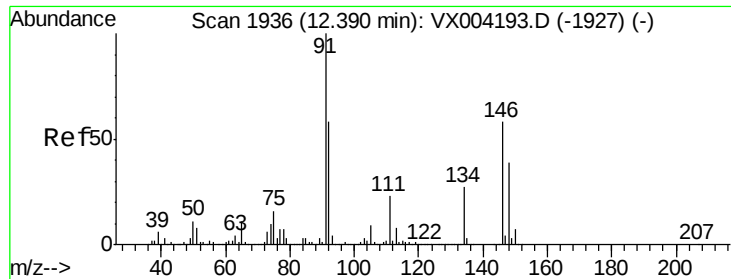
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#88
 1,4-Dichlorobenzene
 Concen: 48.116 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX004257.D
 Acq: 24 Aug 2018 19:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.1	54.1
148	63.6	32.0	96.0





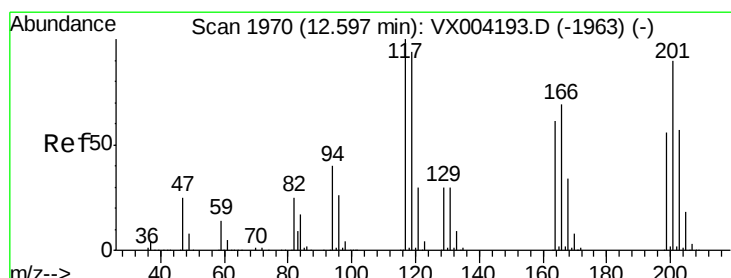
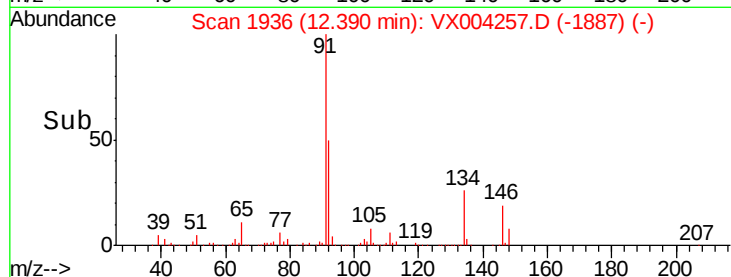
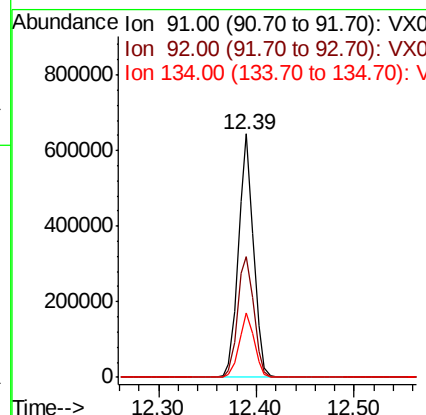
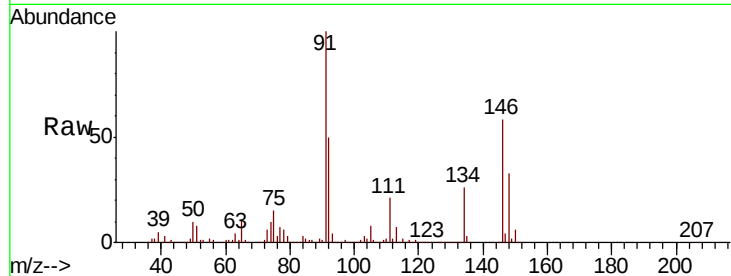
#89
n-Butylbenzene
Concen: 52.704 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004257.D
Acq: 24 Aug 2018 19:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	684594		
92	53.9	27.3	81.9	
134	26.7	13.6	40.7	

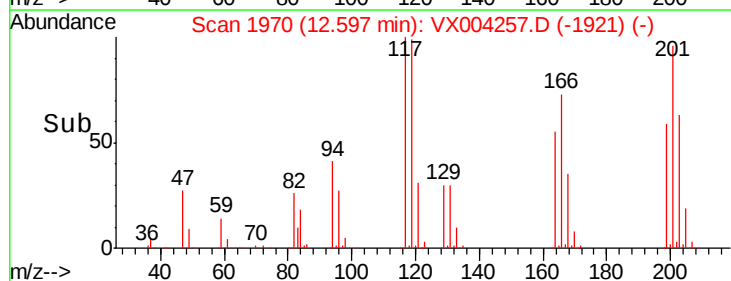
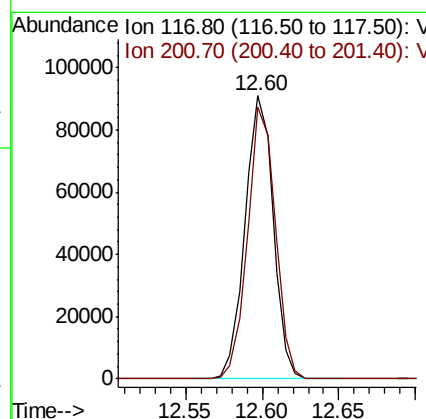
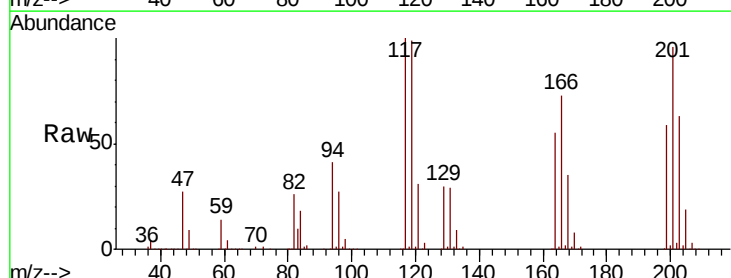
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#90
Hexachloroethane
Concen: 52.015 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX004257.D
Acq: 24 Aug 2018 19:48

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	116134		
201	94.5	46.9	140.6	





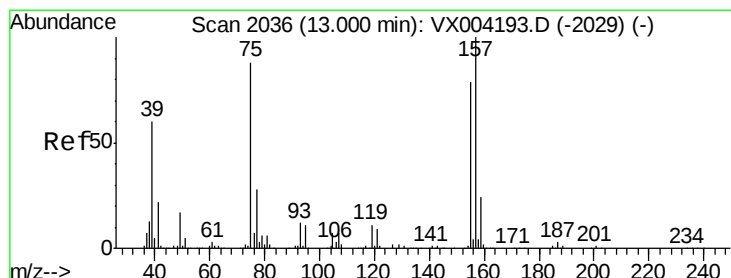
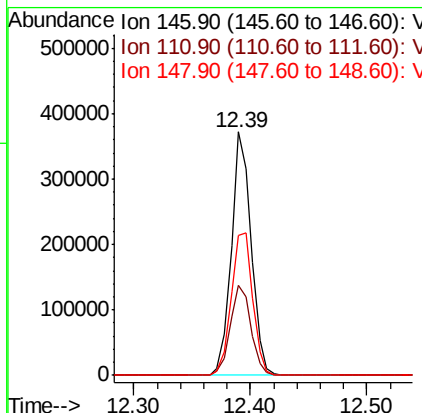
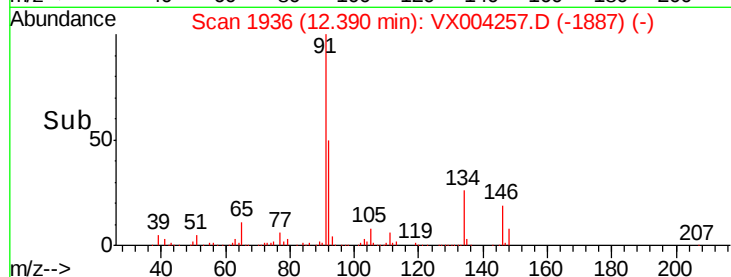
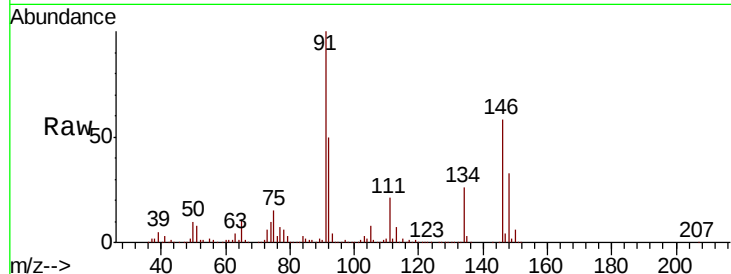
#91
 1,2-Dichlorobenzene
 Concen: 50.532 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VX004257.D
 Acq: 24 Aug 2018 19:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	439516		
111	38.5	19.4	58.1	
148	63.9	32.8	98.3	

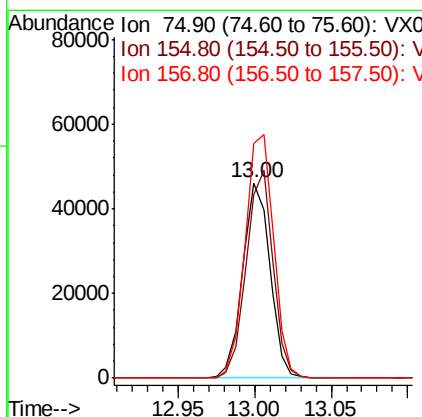
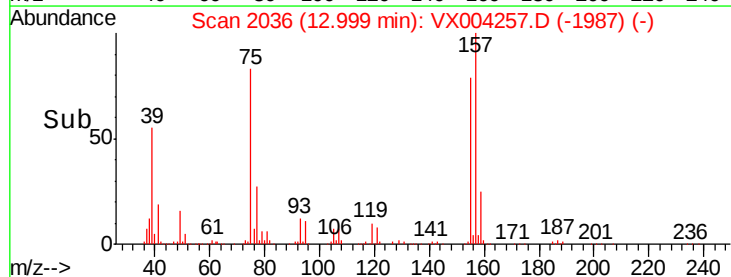
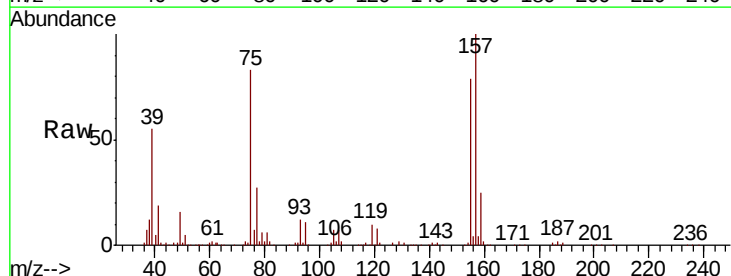
Manual Integrations
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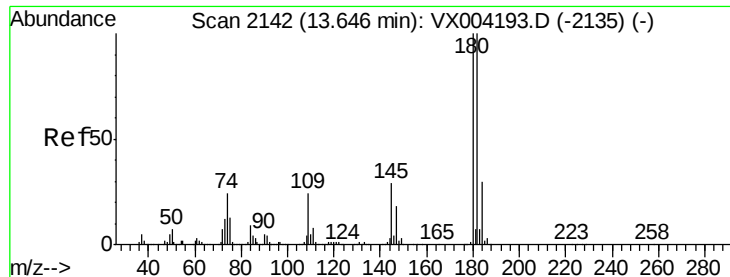
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.590 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VX004257.D
 Acq: 24 Aug 2018 19:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	57298		
155	104.4	48.0	144.2	
157	130.3	61.4	184.1	





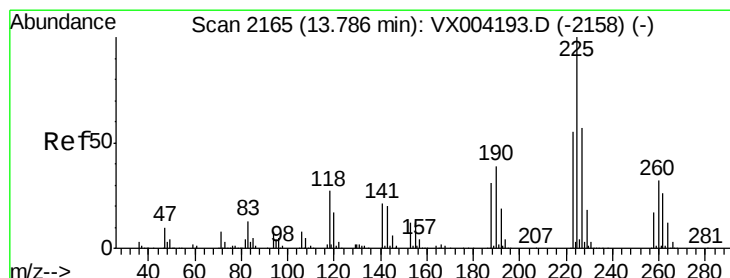
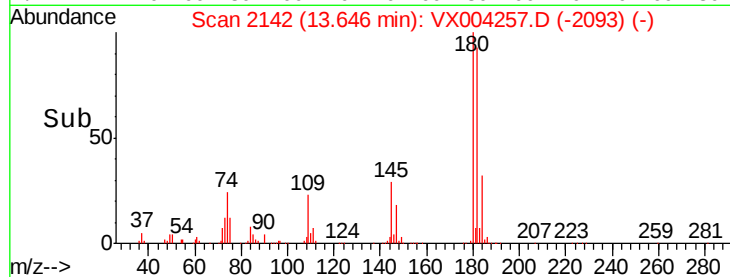
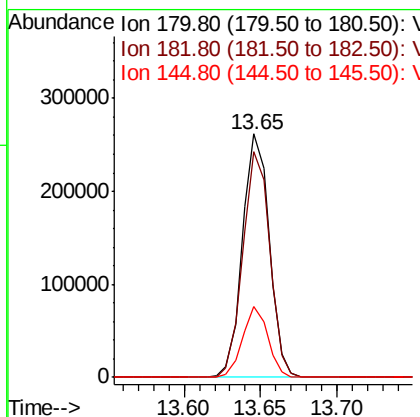
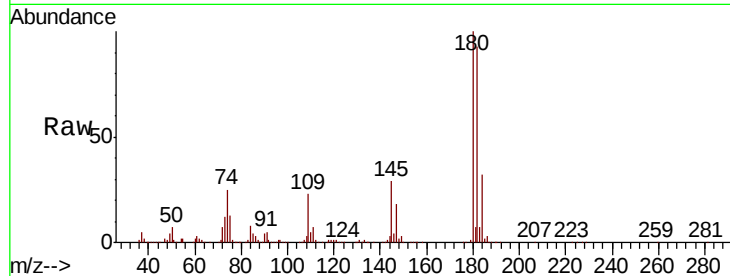
#93
 1,2,4-Trichlorobenzene
 Concen: 50.316 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004257.D
 Acq: 24 Aug 2018 19:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	318418		
182	93.4	48.4	145.0	
145	27.7	14.3	42.9	

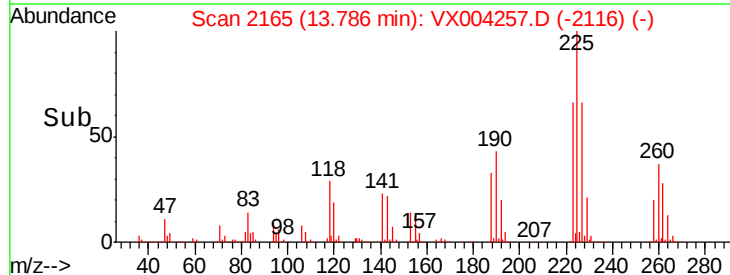
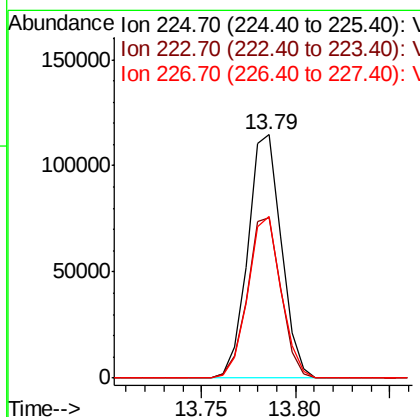
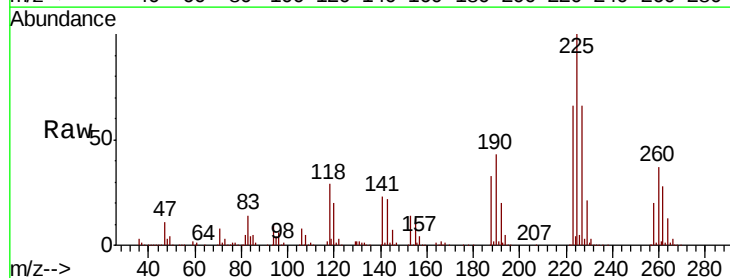
Manual Integrations
 APPROVED

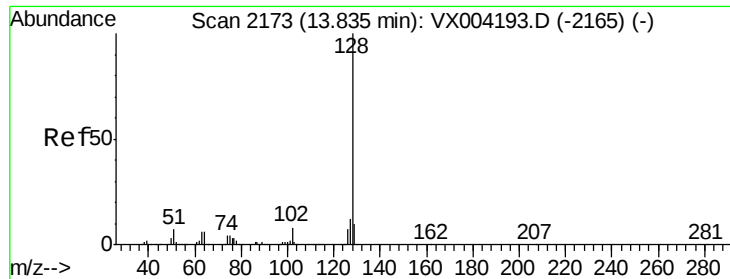
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 48.072 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX004257.D
 Acq: 24 Aug 2018 19:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	141541		
223	65.8	30.1	90.5	
227	65.9	30.8	92.4	





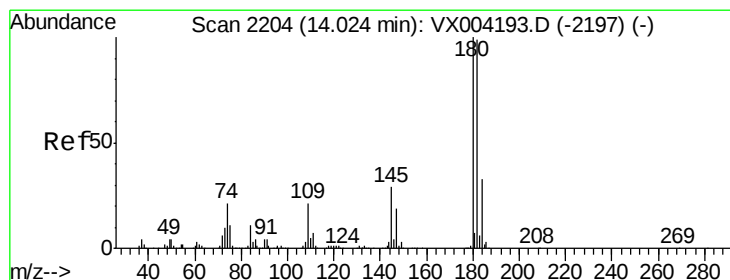
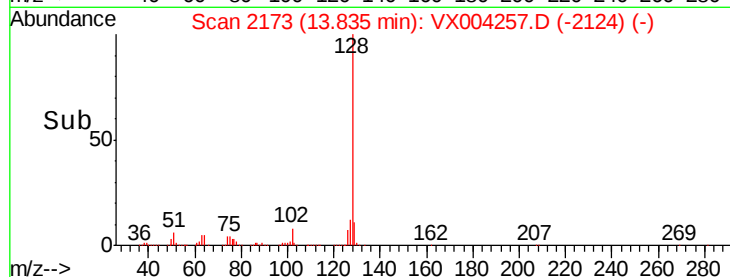
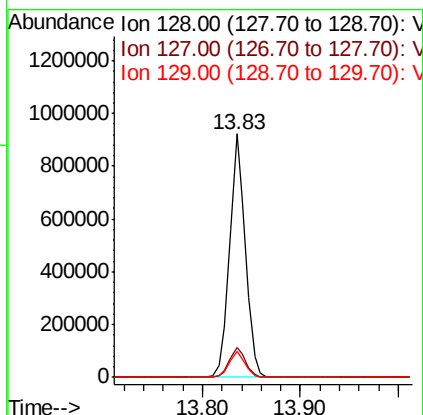
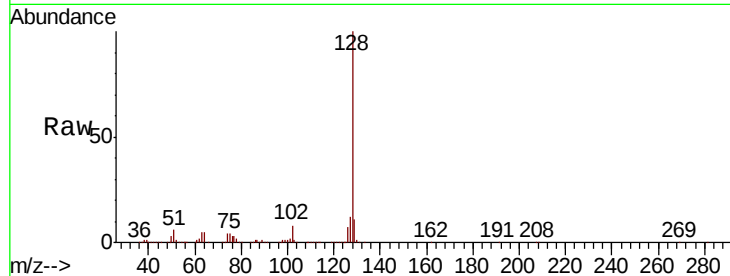
#95
Naphthalene
Concen: 57.208 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.00 min
Lab File: VX004257.D
Acq: 24 Aug 2018 19:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
8/27/2018 3:12:25 PM



#96
1,2,3-Trichlorobenzene
Concen: 52.449 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX004257.D
Acq: 24 Aug 2018 19:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	48.5	145.6
145	28.7	14.9	44.9

