

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091018\
 Data File : VX004440.D
 Acq On : 10 Sep 2018 10:42
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
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 9/11/2018 3:06:42 PM

Quant Time: Sep 11 01:29:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	368934	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	513534	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	493649	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	314888	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	207447	43.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.28%	
35) Dibromofluoromethane	5.50	113	185093	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	
50) Toluene-d8	8.71	98	686304	47.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.18%	
62) 4-Bromofluorobenzene	11.14	95	245576	45.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	164243	38.44	ug/l	97
3) Chloromethane	1.32	50	187304	39.72	ug/l	100
4) Vinyl Chloride	1.41	62	207512	42.93	ug/l	99
5) Bromomethane	1.64	94	85534	35.30	ug/l	99
6) Chloroethane	1.72	64	140926	40.52	ug/l	97
7) Trichlorofluoromethane	1.93	101	291137	43.95	ug/l	95
8) Diethyl Ether	2.19	74	131770	46.45	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	193138	46.55	ug/l	99
10) Methyl Iodide	2.51	142	191864	41.75	ug/l	98
11) Tert butyl alcohol	3.06	59	199927	195.05	ug/l	100
12) 1,1-Dichloroethene	2.37	96	170467	43.62	ug/l	99
13) Acrolein	2.29	56	45585	184.47	ug/l	95
14) Allyl chloride	2.73	41	343272	47.80	ug/l	97
15) Acrylonitrile	3.14	53	553804	218.16	ug/l	100
16) Acetone	2.44	43	467178	237.60	ug/l	98
17) Carbon Disulfide	2.57	76	435502	40.28	ug/l	99
18) Methyl Acetate	2.78	43	412218	57.77	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	609352	47.31	ug/l	98
20) Methylene Chloride	2.85	84	203629	43.99	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	186386	43.08	ug/l	98
22) Diisopropyl ether	3.87	45	662353	49.40	ug/l	98
23) Vinyl Acetate	3.82	43	2457138	226.12	ug/l	99
24) 1,1-Dichloroethane	3.70	63	369933	47.34	ug/l	99
25) 2-Butanone	4.69	43	702425	217.64	ug/l	97
26) 2,2-Dichloropropane	4.58	77	290715	47.44	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	219010	44.64	ug/l	99
28) Bromochloromethane	5.01	49	180102	52.06	ug/l	97
29) Tetrahydrofuran	5.15	42	440394	213.16	ug/l	98
30) Chloroform	5.21	83	358019	45.70	ug/l	98
31) Cyclohexane	5.57	56	302254	44.83	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	297907	45.60	ug/l	99
36) 1,1-Dichloropropene	5.80	75	267222	46.29	ug/l	99
37) Ethyl Acetate	4.85	43	250686	44.15	ug/l	100
38) Carbon Tetrachloride	5.78	117	259844	47.84	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	322149	48.87	ug/l	98
40) Benzene	6.14	78	817159	47.37	ug/l	99
41) Methacrylonitrile	5.06	41	154848	47.05	ug/l	99
42) 1,2-Dichloroethane	6.20	62	269298	45.76	ug/l	99
43) Isopropyl Acetate	6.46	43	411882	47.21	ug/l	99
44) Trichloroethene	7.21	130	228006	47.75	ug/l	99
45) 1,2-Dichloropropane	7.51	63	216366	50.11	ug/l	100
46) Dibromomethane	7.66	93	133913	46.58	ug/l	98
47) Bromodichloromethane	7.90	83	267657	50.04	ug/l	96
48) Methyl methacrylate	7.77	41	225864	48.38	ug/l	98
49) 1,4-Dioxane	7.75	88	90437	853.23	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	1403053	221.33	ug/l	100
52) Toluene	8.79	92	524953	48.61	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	304820	51.59	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	334997	52.05	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	214898	49.30	ug/l	98
56) Ethyl methacrylate	9.18	69	307772	51.86	ug/l	97
57) 1,3-Dichloropropane	9.37	76	357827	48.70	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	662315	217.83	ug/l	99
59) 2-Hexanone	9.49	43	1100858	227.63	ug/l	100
60) Dibromochloromethane	9.59	129	220614	51.95	ug/l	99
61) 1,2-Dibromoethane	9.67	107	214913	47.64	ug/l	99
64) Tetrachloroethene	9.34	164	256178	52.53	ug/l	100
65) Chlorobenzene	10.14	112	589346	47.57	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.22	131	205549	48.10	ug/l	98
67) Ethyl Benzene	10.25	91	969792	48.20	ug/l	99
68) m/p-Xylenes	10.36	106	763735	97.07	ug/l	99
69) o-Xylene	10.70	106	366221	49.21	ug/l	97
70) Styrene	10.71	104	615044	51.04	ug/l	100
71) Bromoform	10.86	173	164402	47.73	ug/l	98
73) Isopropylbenzene	11.02	105	989883	47.86	ug/l	99
74) N-amyl acetate	10.90	43	363578	45.66	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	283939	39.23	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	270936m	42.31	ug/l	
77) Bromobenzene	11.26	156	252330	43.49	ug/l	95
78) n-propylbenzene	11.36	91	1115331	46.89	ug/l	99
79) 2-Chlorotoluene	11.42	91	667909	45.62	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	851306	49.71	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	90068	45.63	ug/l	94
82) 4-Chlorotoluene	11.51	91	816658	47.40	ug/l	99
83) tert-Butylbenzene	11.77	119	842695	48.90	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	881959	50.17	ug/l	100
85) sec-Butylbenzene	11.94	105	1084975	53.03	ug/l	100
86) p-Isopropyltoluene	12.07	119	988788	53.93	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	516001	47.24	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	522468	45.37	ug/l	99
89) n-Butylbenzene	12.39	91	879415	58.99	ug/l	100
90) Hexachloroethane	12.60	117	142558	55.63	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	520341	52.12	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	57417	45.04	ug/l	92

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VSTDCCC050

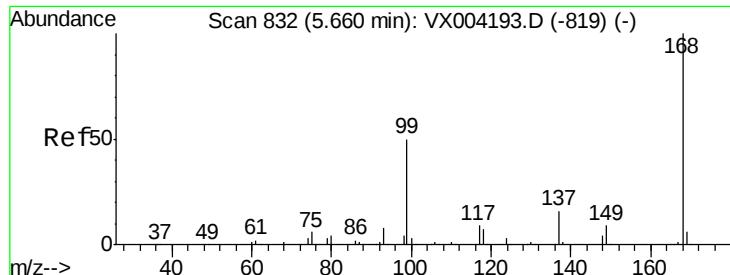
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Thu Aug 23 05:39:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	376366	51.82	ug/l	98
94) Hexachlorobutadiene	13.79	225	188942	55.93	ug/l	95
95) Naphthalene	13.83	128	1043620	50.80	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	380034	49.42	ug/l	98

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



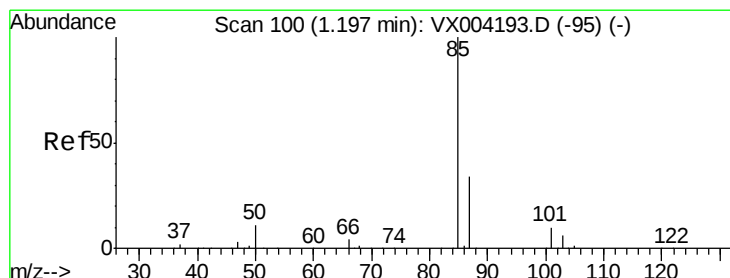
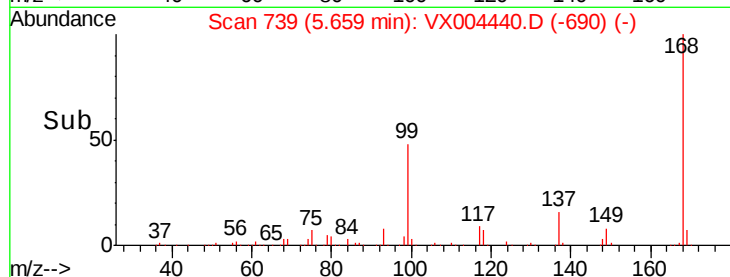
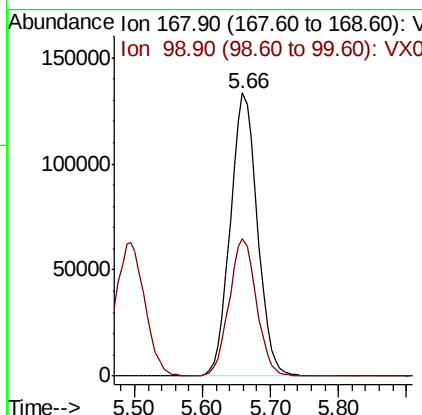
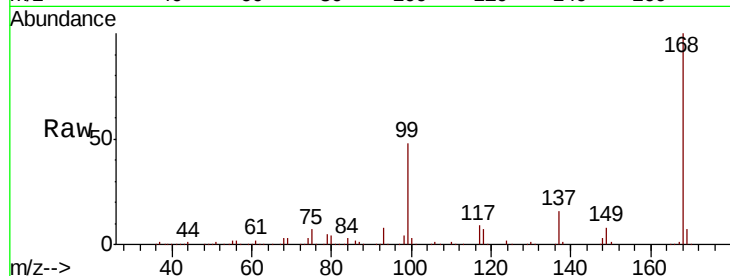
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.00 min
Lab File: VX004440.D
Acq: 10 Sep 2018 10:42

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
168	100		
99	48.2	39.9	59.9

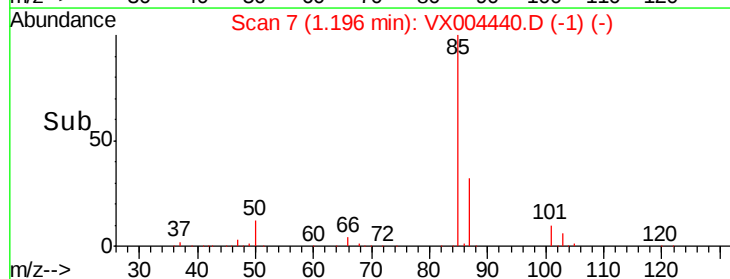
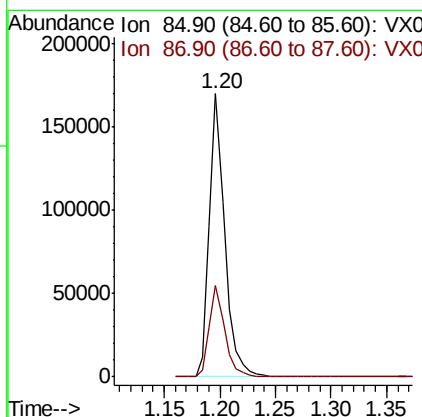
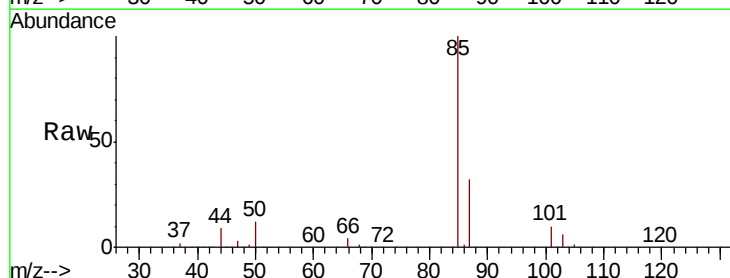
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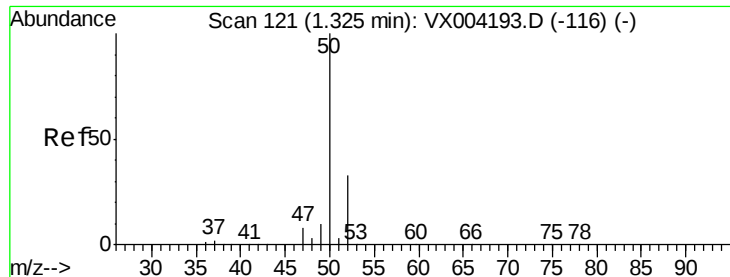
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#2
Dichlorodifluoromethane
Concen: 38.44 ug/l
RT: 1.20 min Scan# 7
Delta R.T. -0.00 min
Lab File: VX004440.D
Acq: 10 Sep 2018 10:42

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.3	17.0	50.9





#3

Chloromethane

Concen: 39.72 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX004440.D

Acq: 10 Sep 2018 10:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 187304

Ion Ratio Lower Upper

50 100

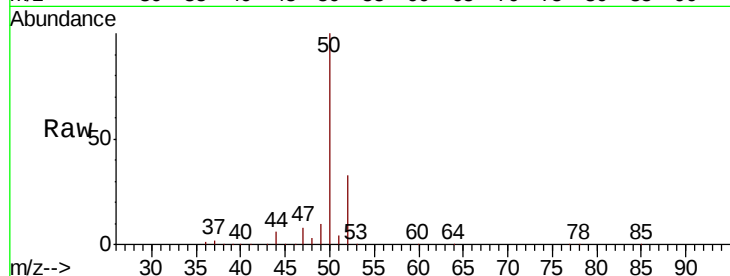
52 32.7 26.2 39.2

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

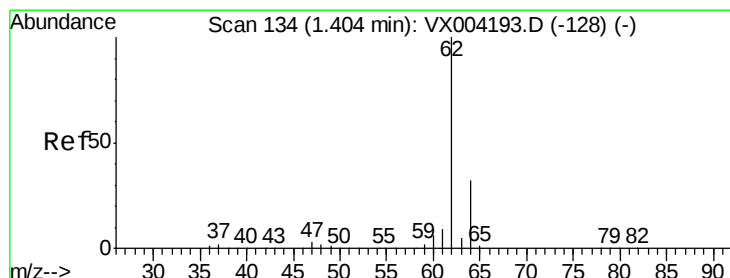
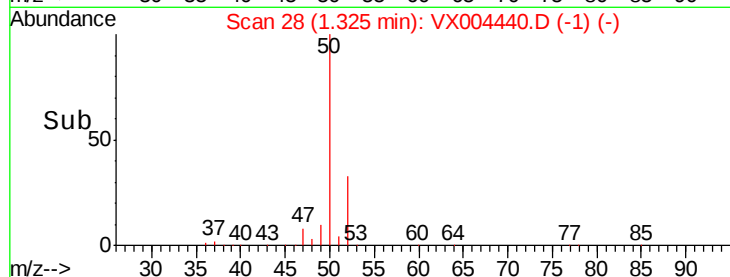
150000

100000

50000

0

Time--> 1.25 1.30 1.35 1.40



#4

Vinyl Chloride

Concen: 42.93 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX004440.D

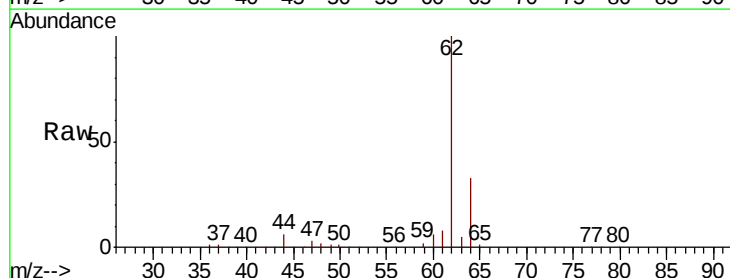
Acq: 10 Sep 2018 10:42

Tgt Ion: 62 Resp: 207512

Ion Ratio Lower Upper

62 100

64 33.0 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

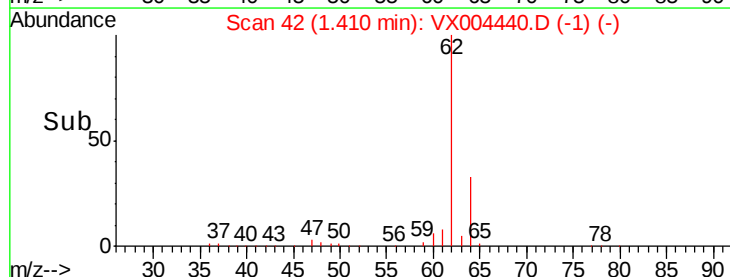
150000

100000

50000

0

Time--> 1.30 1.40 1.50





#5

Bromomethane

Concen: 35.30 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004440.D

Acq: 10 Sep 2018 10:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 85534

Ion Ratio Lower Upper

94 100

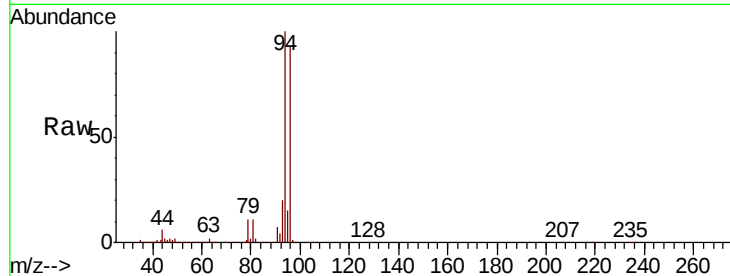
96 93.6 74.5 111.7

Manual Integrations

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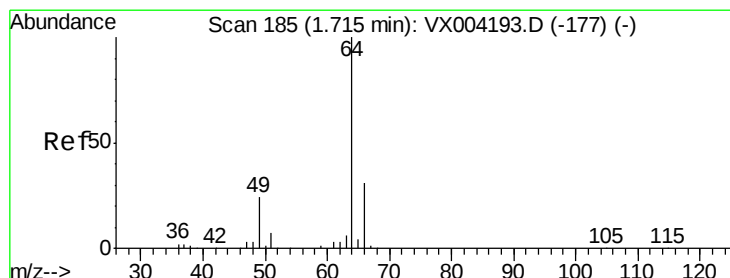
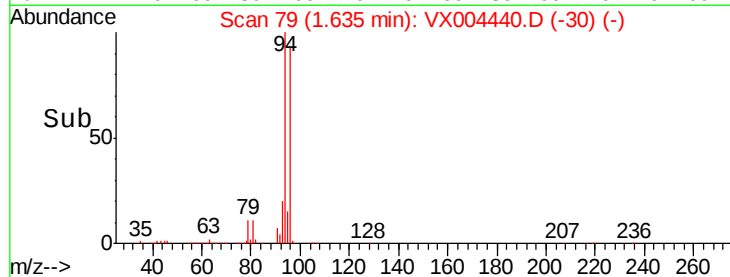
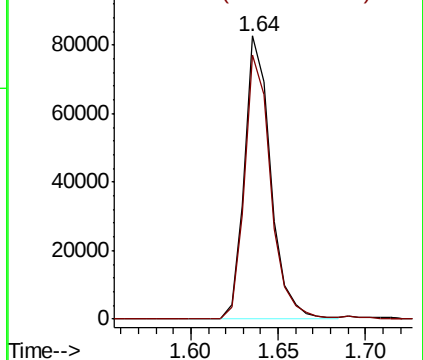
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 40.52 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004440.D

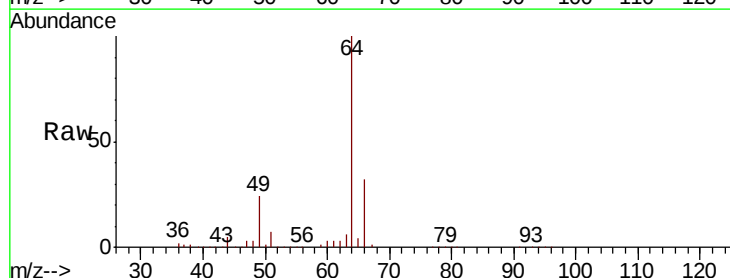
Acq: 10 Sep 2018 10:42

Tgt Ion: 64 Resp: 140926

Ion Ratio Lower Upper

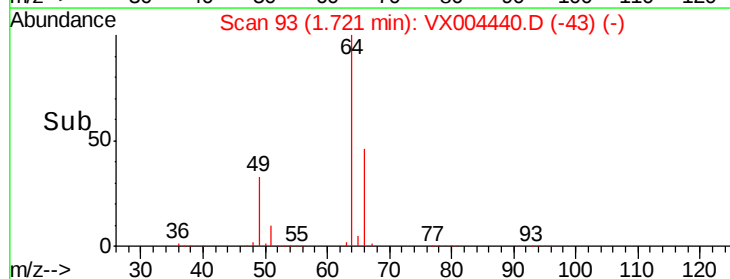
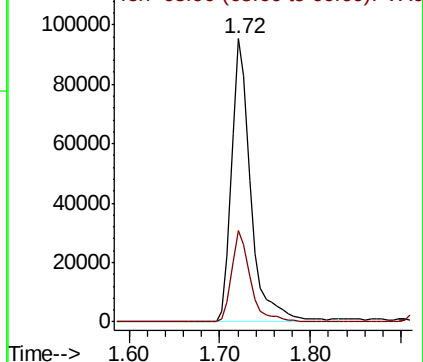
64 100

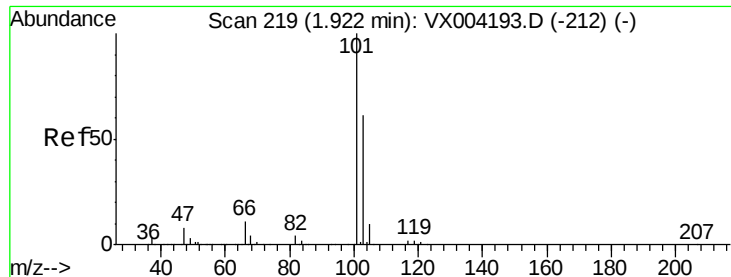
66 32.2 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

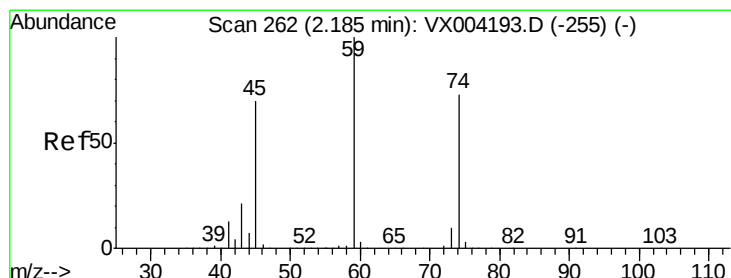
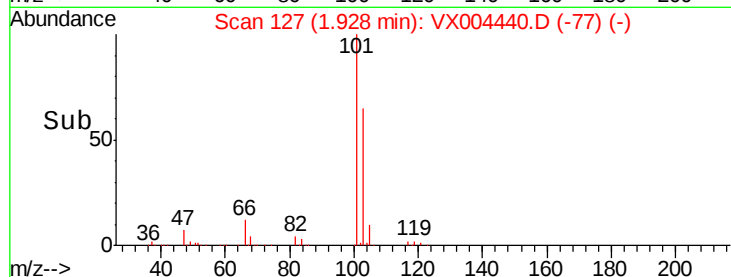
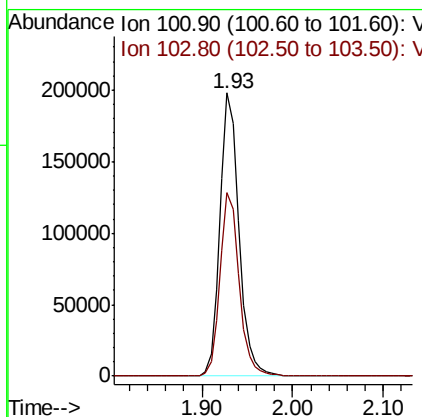
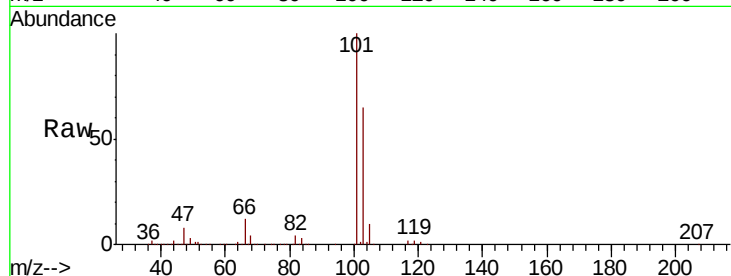
Trichlorofluoromethane
Concen: 43.95 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX004440.D
Acq: 10 Sep 2018 10:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	48.9	73.3

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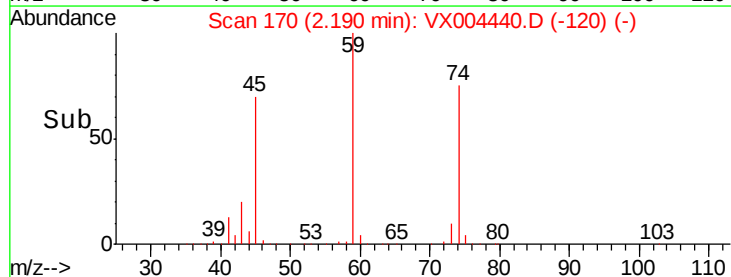
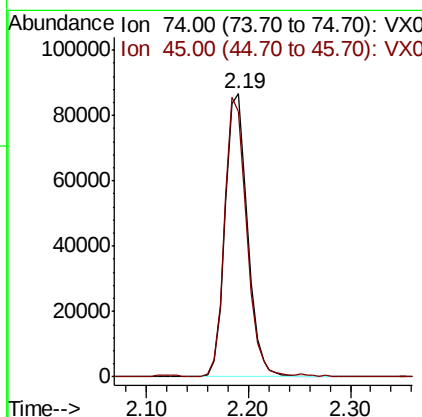
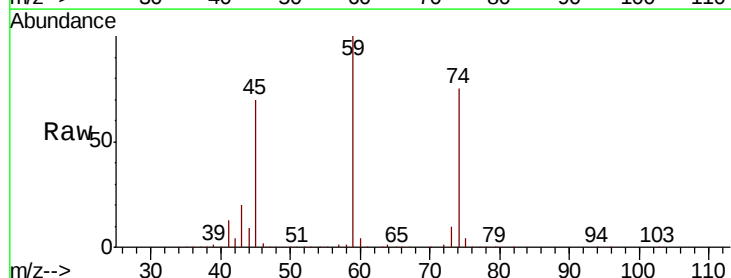
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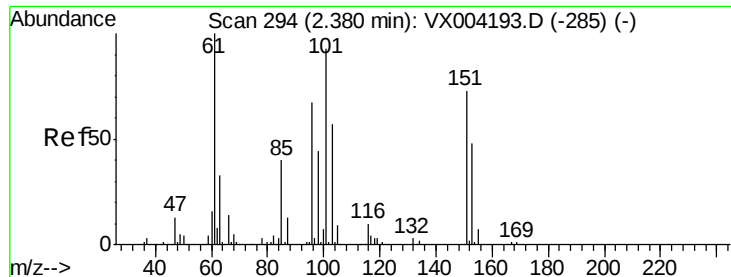


#8

Diethyl Ether
Concen: 46.45 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX004440.D
Acq: 10 Sep 2018 10:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.0	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.55 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX004440.D

Acq: 10 Sep 2018 10:42

Instrument :

MSVOA_X

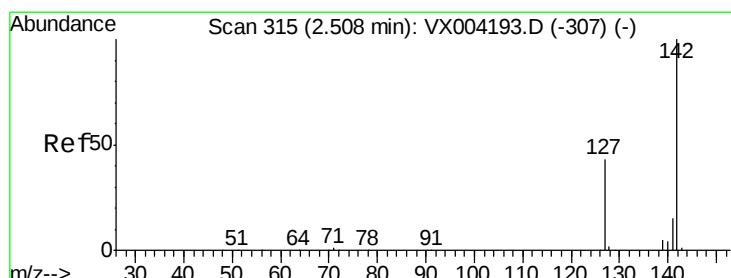
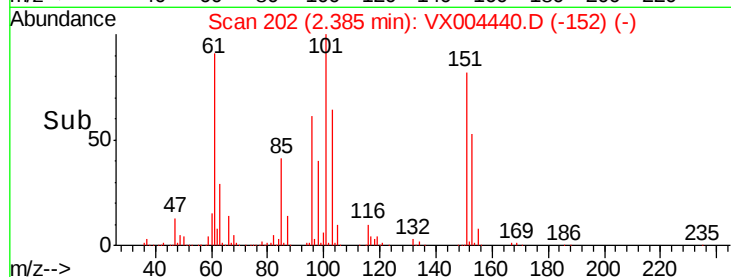
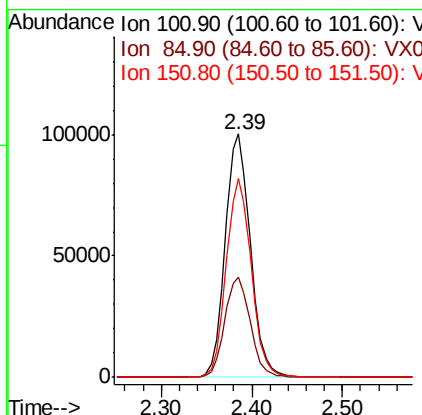
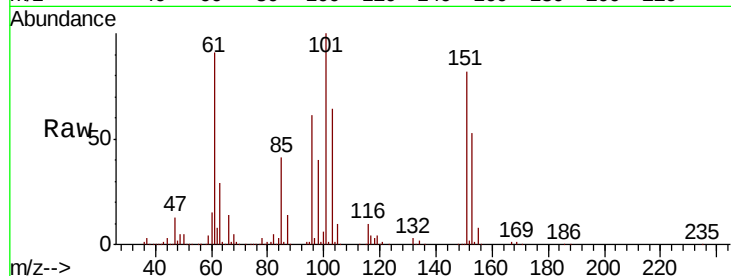
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	193138
Ion Ratio	Lower	Upper	
101	100		
85	41.8	34.2	51.4
151	81.5	65.0	97.6

Manual Integrations
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#10

Methyl Iodide

Concen: 41.75 ug/l

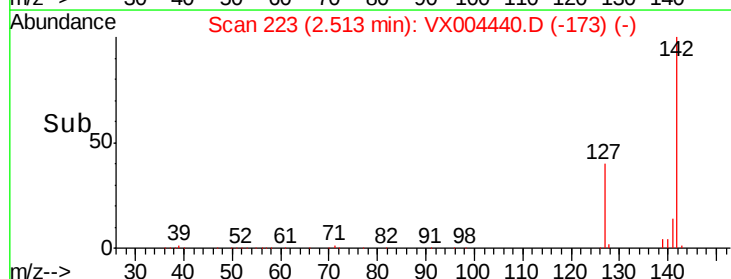
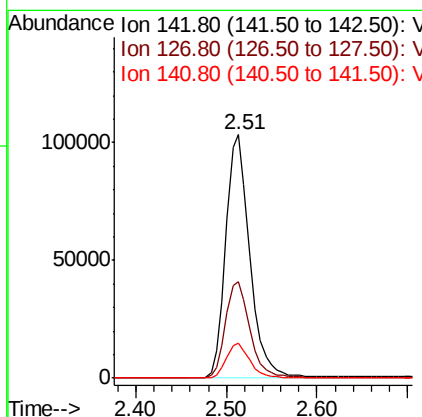
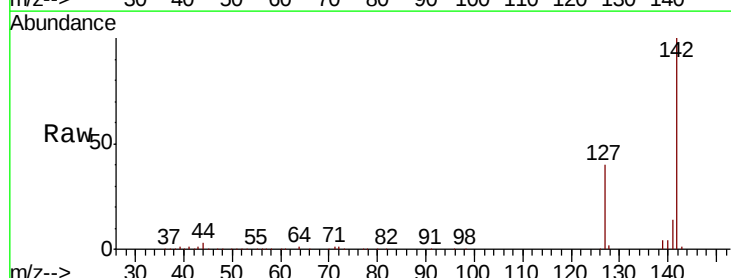
RT: 2.51 min Scan# 223

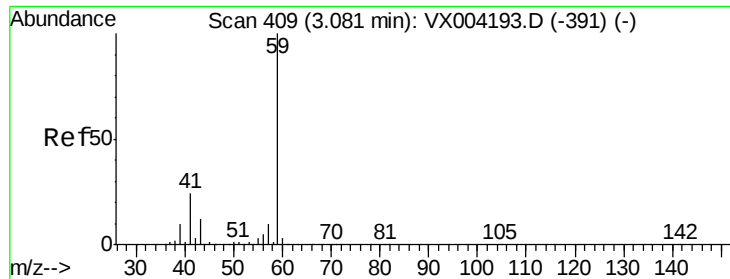
Delta R.T. 0.01 min

Lab File: VX004440.D

Acq: 10 Sep 2018 10:42

Tgt Ion:	142	Resp:	191864
Ion Ratio	Lower	Upper	
142	100		
127	40.4	33.8	50.6
141	13.9	11.4	17.0





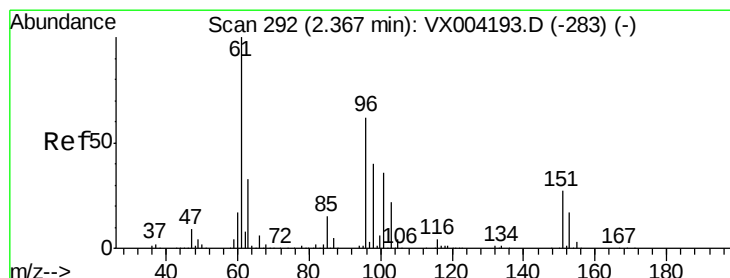
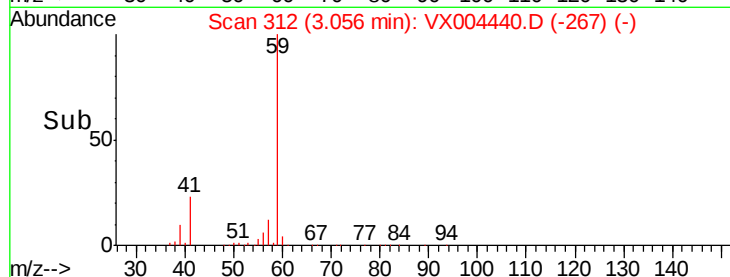
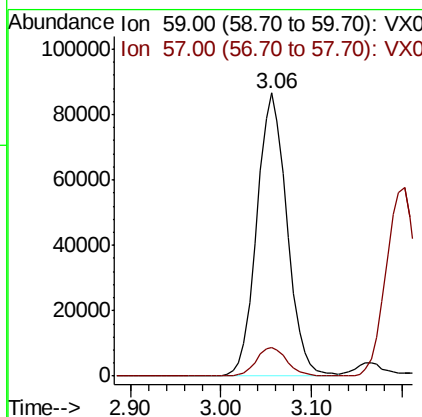
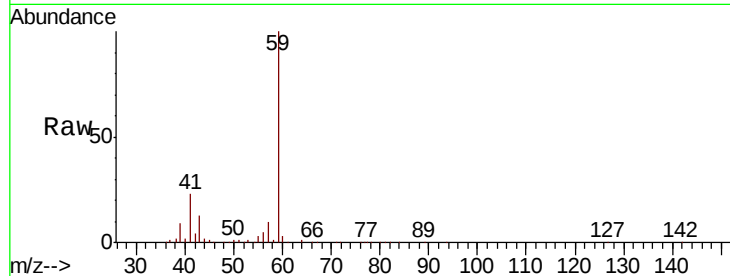
#11
Tert butyl alcohol
Concen: 195.05 ug/l
RT: 3.06 min Scan# 312
Delta R.T. -0.02 min
Lab File: VX004440.D
Acq: 10 Sep 2018 10:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.4

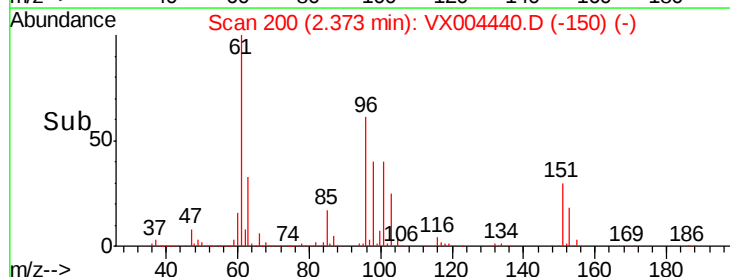
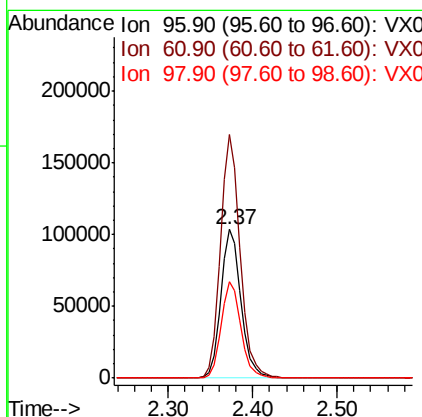
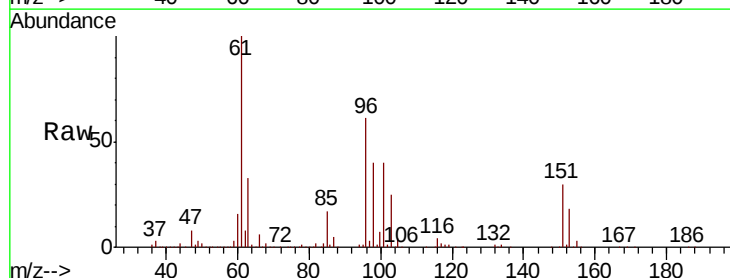
Manual Integrations
APPROVED

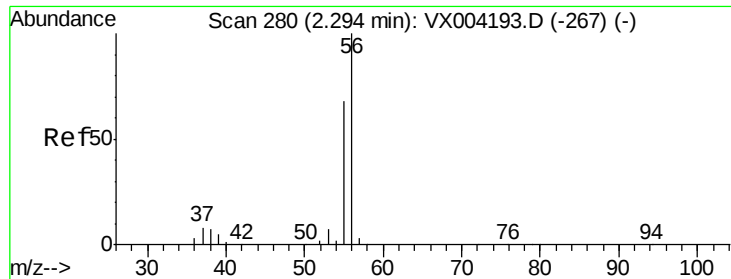
MMDadoda
9/11/2018 3:06:42 PM



#12
1,1-Dichloroethene
Concen: 43.62 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX004440.D
Acq: 10 Sep 2018 10:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.7	128.8	193.2
98	65.1	52.2	78.2





#13

Acrolein

Concen: 184.47 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX004440.D

Acq: 10 Sep 2018 10:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 45585

Ion Ratio Lower Upper

56 100

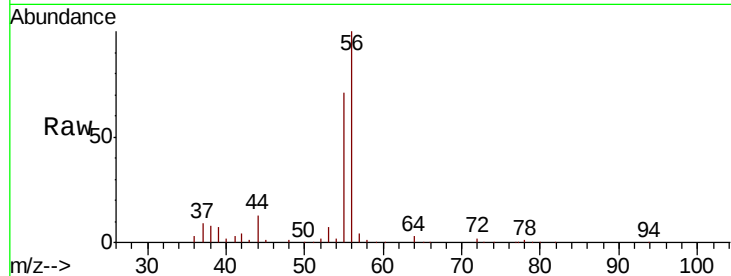
55 72.5 54.7 82.1

Manual Integrations

APPROVED

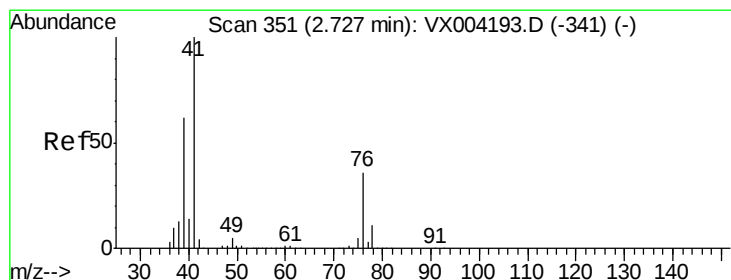
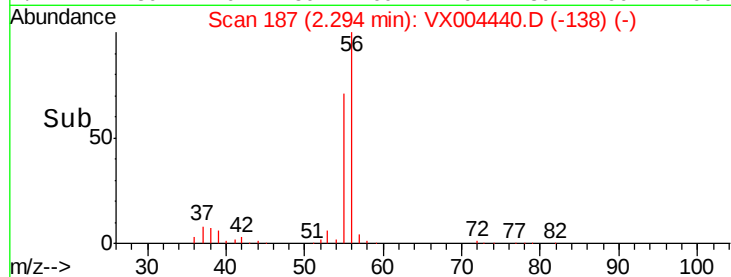
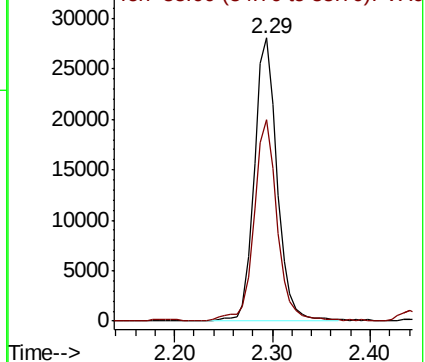
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 47.80 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX004440.D

Acq: 10 Sep 2018 10:42

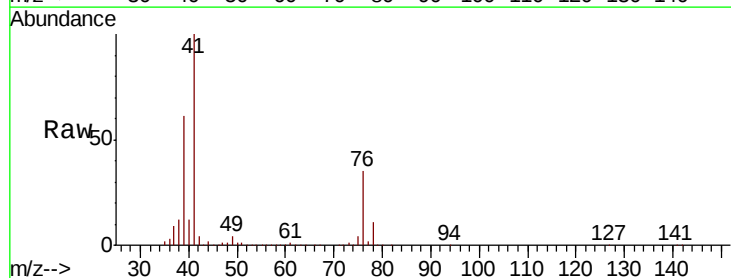
Tgt Ion: 41 Resp: 343272

Ion Ratio Lower Upper

41 100

39 57.7 48.9 73.3

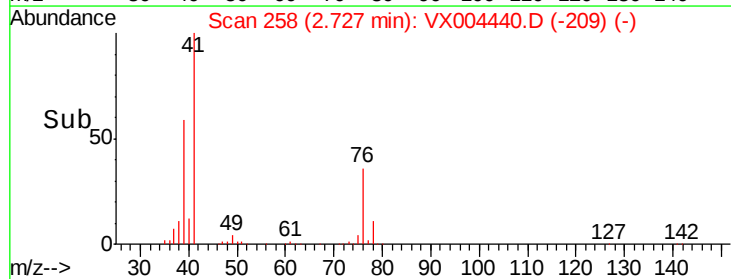
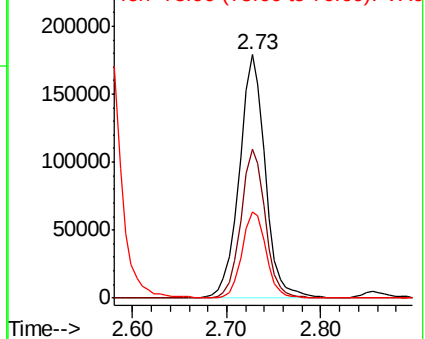
76 32.9 26.7 40.1



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





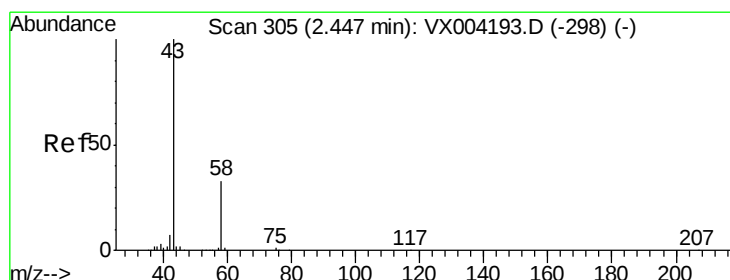
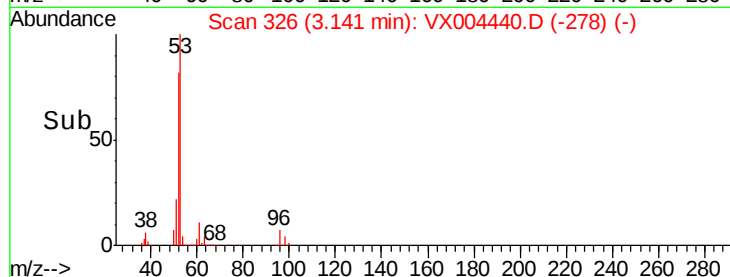
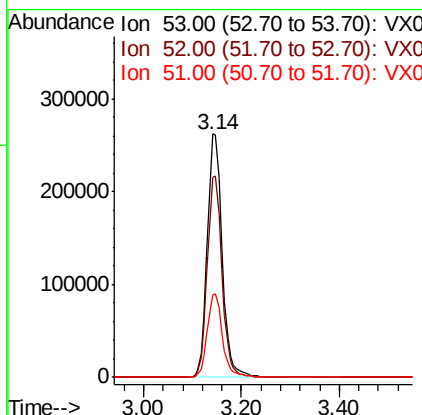
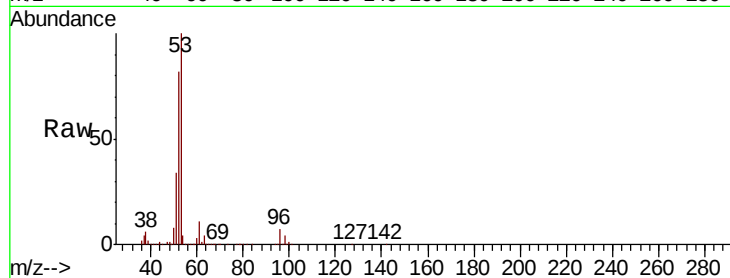
#15
 Acrylonitrile
 Concen: 218.16 ug/l
 RT: 3.14 min Scan# 326
 Delta R.T. -0.01 min
 Lab File: VX004440.D
 Acq: 10 Sep 2018 10:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	53	Resp:	553804
Ion	Ratio	Lower	Upper
53	100		
52	81.7	65.2	97.8
51	34.8	28.2	42.2

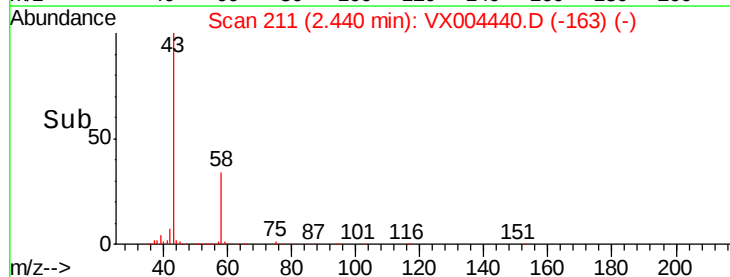
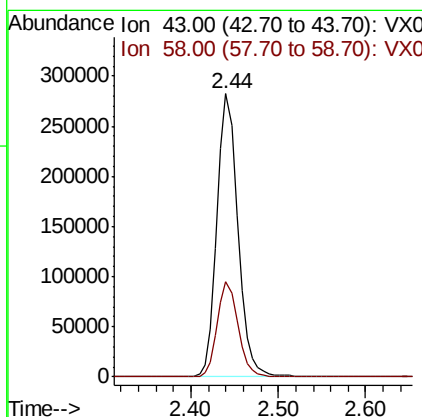
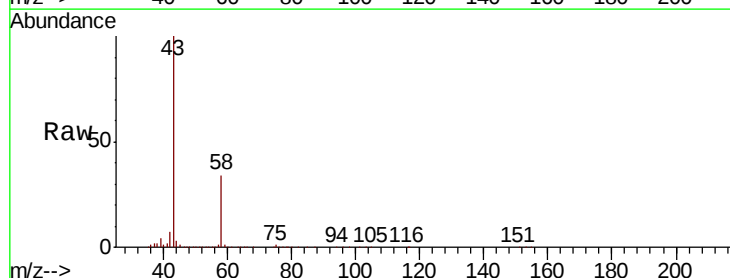
Manual Integrations
 APPROVED

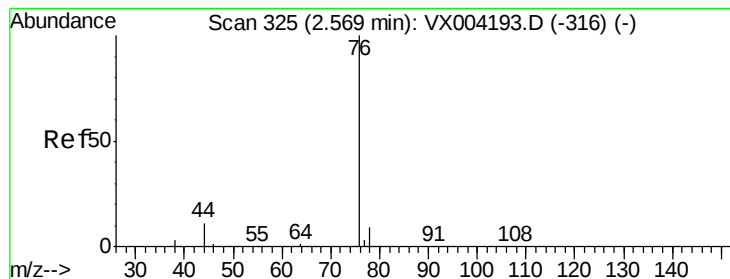
MMDadoda
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#16
 Acetone
 Concen: 237.60 ug/l
 RT: 2.44 min Scan# 211
 Delta R.T. -0.01 min
 Lab File: VX004440.D
 Acq: 10 Sep 2018 10:42

Tgt Ion:	43	Resp:	467178
Ion	Ratio	Lower	Upper
43	100		
58	33.7	26.2	39.4





#17

Carbon Disulfide

Concen: 40.28 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX004440.D

Acq: 10 Sep 2018 10:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 435502

Ion Ratio Lower Upper

76 100

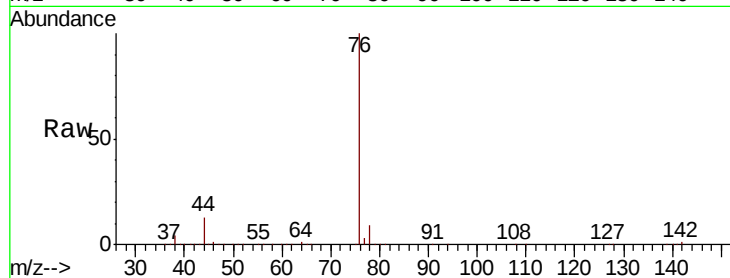
78 9.1 7.0 10.6

Manual Integrations

APPROVED

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

250000

200000

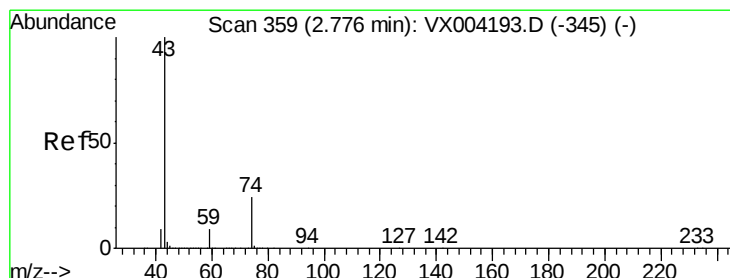
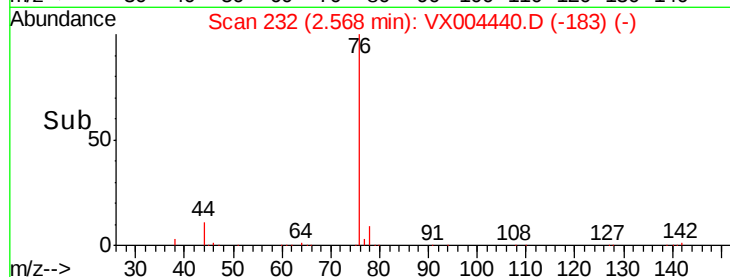
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 57.77 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX004440.D

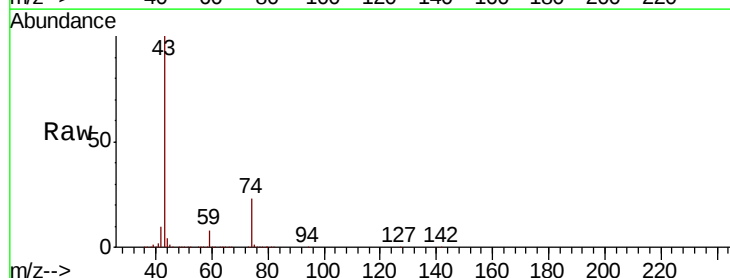
Acq: 10 Sep 2018 10:42

Tgt Ion: 43 Resp: 412218

Ion Ratio Lower Upper

43 100

74 23.9 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

250000

200000

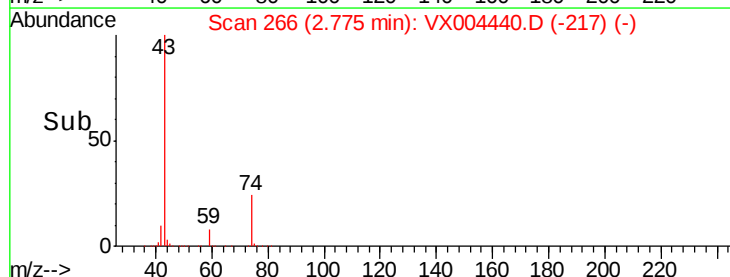
150000

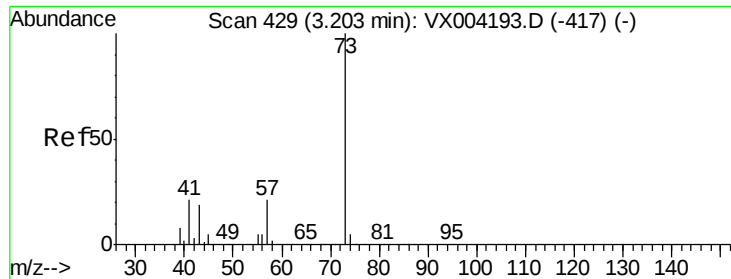
100000

50000

0

Time-->





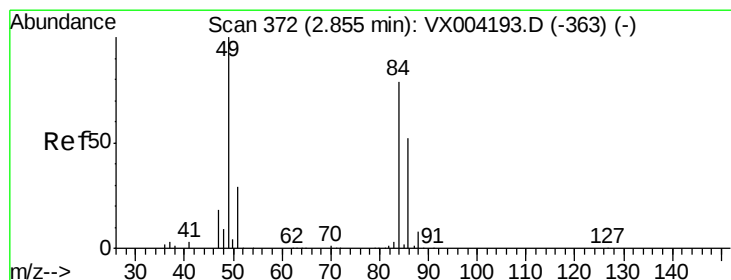
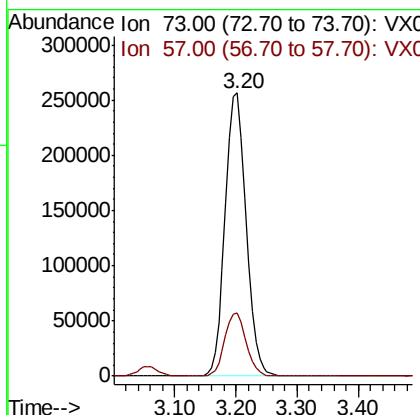
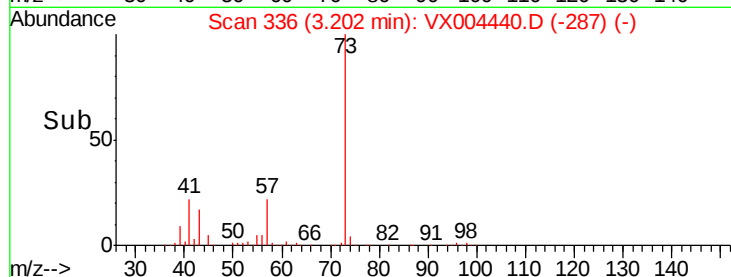
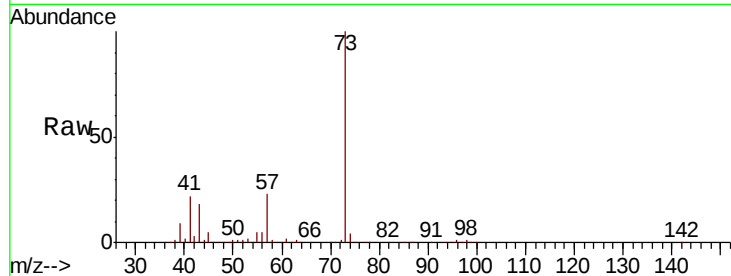
#19
Methyl tert-butyl Ether
Concen: 47.31 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX004440.D
Acq: 10 Sep 2018 10:42

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion: 73 Resp: 609352
Ion Ratio Lower Upper
73 100
57 22.5 17.1 25.7

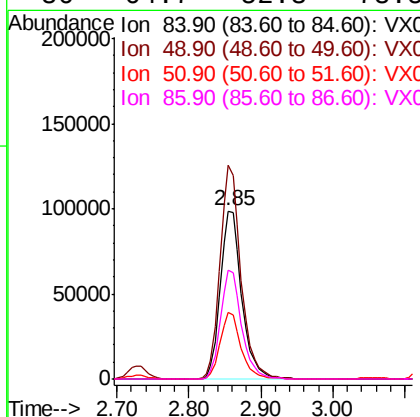
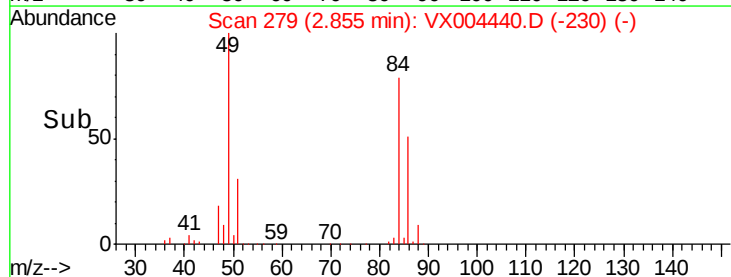
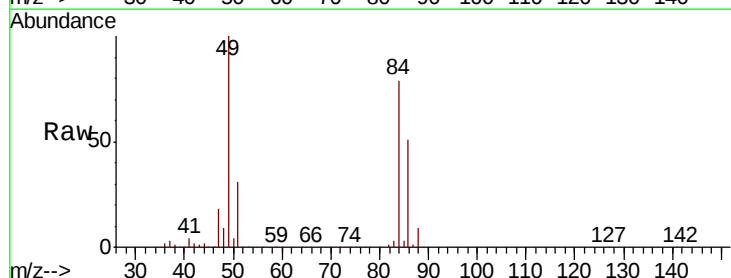
Manual Integrations
APPROVED

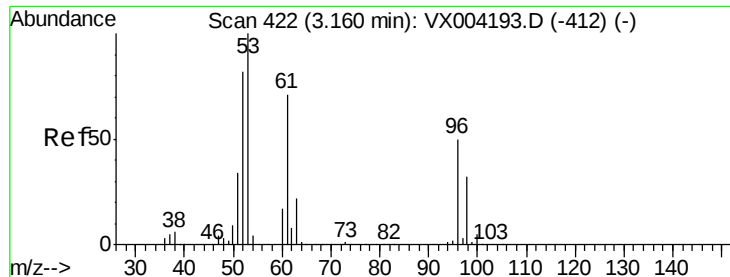
MMDadoda
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#20
Methylene Chloride
Concen: 43.99 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX004440.D
Acq: 10 Sep 2018 10:42

Tgt Ion: 84 Resp: 203629
Ion Ratio Lower Upper
84 100
49 127.3 101.2 151.8
51 39.8 29.5 44.3
86 64.7 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 43.08 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX004440.D

Acq: 10 Sep 2018 10:42

Instrument :

MSVOA_X

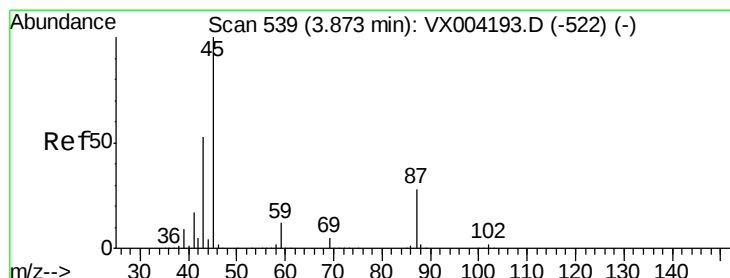
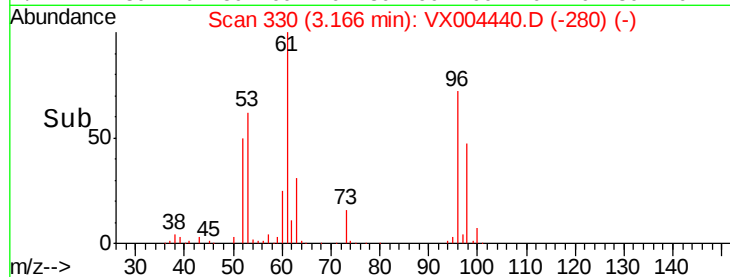
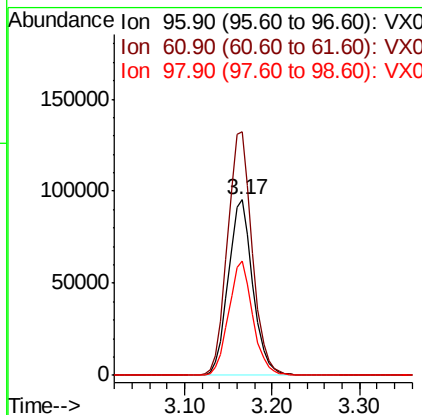
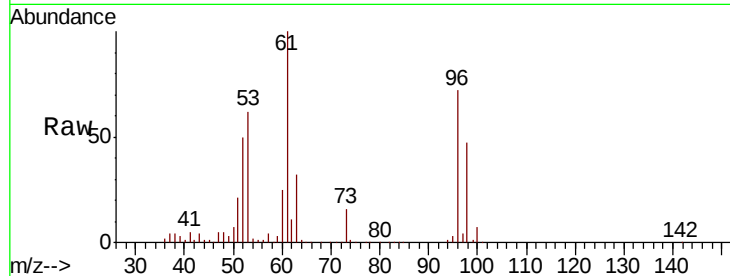
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	186386
Ion	Ratio	Lower	Upper
96	100		
61	138.6	113.8	170.6
98	65.1	51.8	77.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 49.40 ug/l

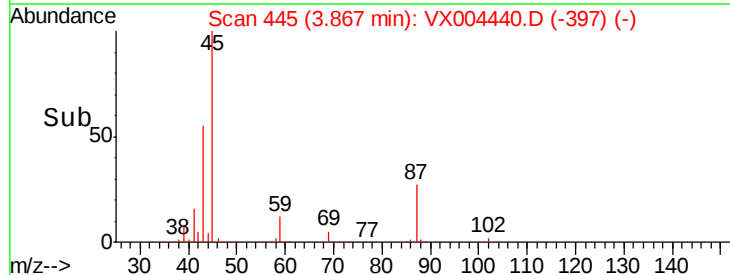
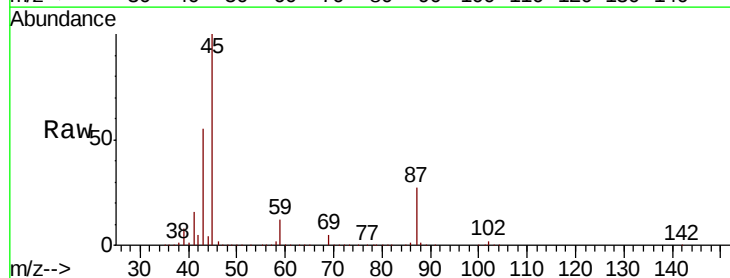
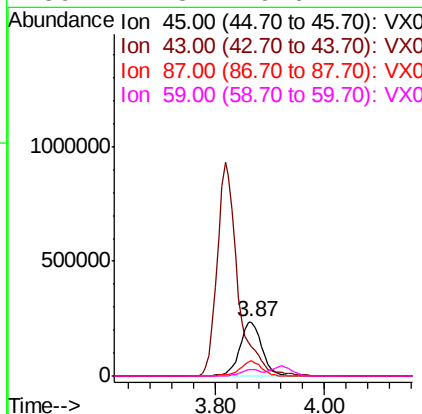
RT: 3.87 min Scan# 445

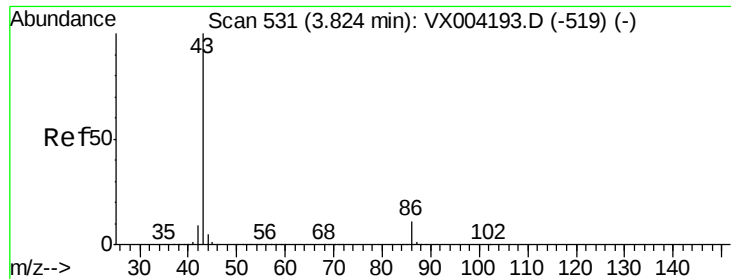
Delta R.T. -0.01 min

Lab File: VX004440.D

Acq: 10 Sep 2018 10:42

Tgt Ion:	45	Resp:	662353
Ion	Ratio	Lower	Upper
45	100		
43	55.0	42.8	64.2
87	27.1	22.6	34.0
59	11.8	9.6	14.4





#23

Vinyl Acetate

Concen: 226.12 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.01 min

Lab File: VX004440.D

Acq: 10 Sep 2018 10:42

Tot Ion: 43 Resp: 2457138

Ion Ratio Lower Upper

43 100

86 10.7 8.9 13.3

Instrument :

MSVOA_X

ClientSampled :

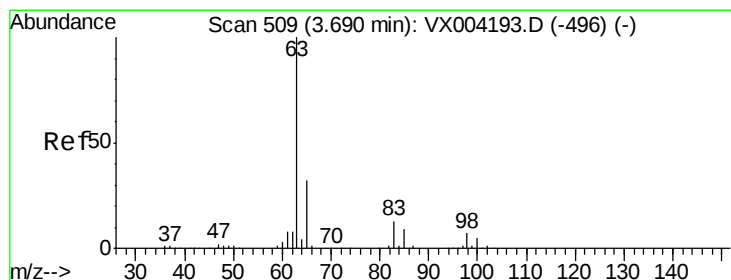
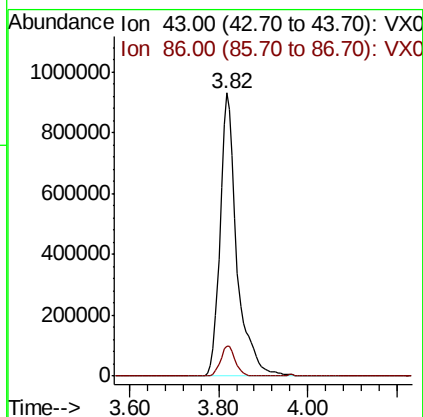
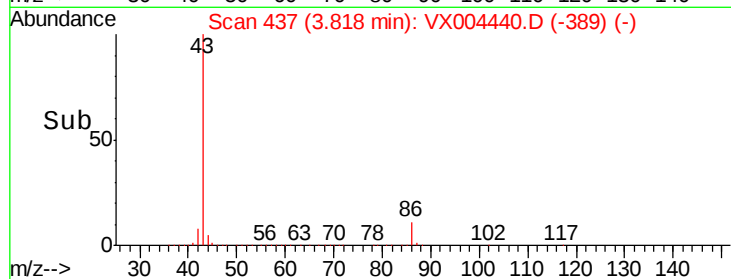
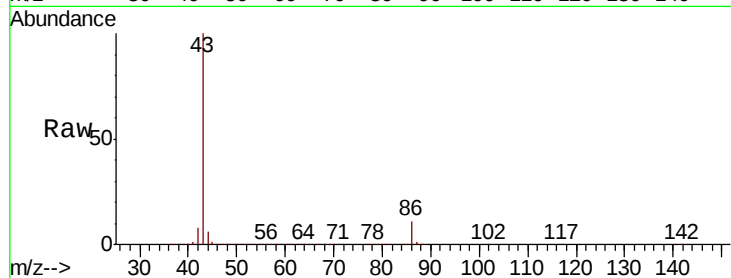
VSTDCCC050

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 47.34 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX004440.D

Acq: 10 Sep 2018 10:42

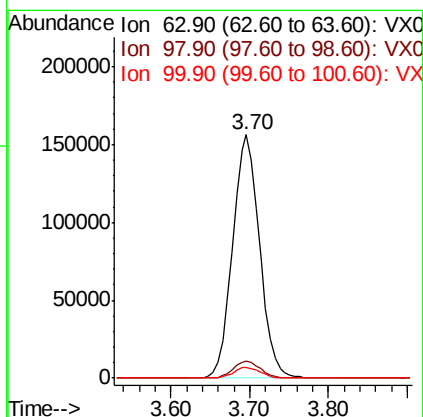
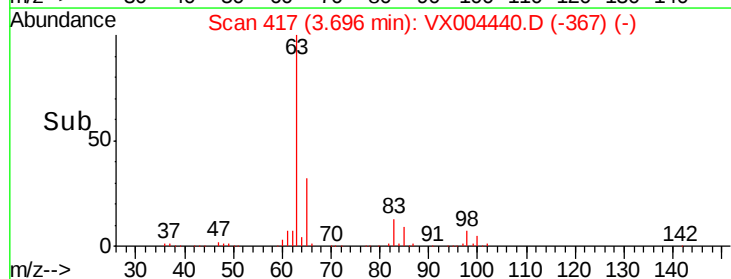
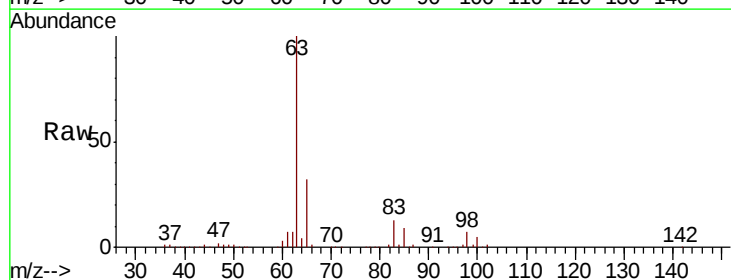
Tgt Ion: 63 Resp: 369933

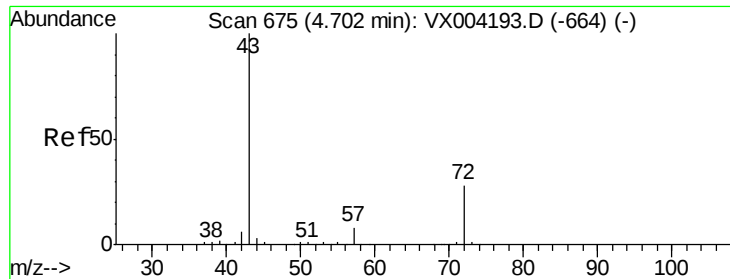
Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.4

100 4.5 2.4 7.1





#25

2-Butanone

Concen: 217.64 ug/l

RT: 4.69 min Scan# 580

Delta R.T. -0.01 min

Lab File: VX004440.D

Acq: 10 Sep 2018 10:42

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 702425

Ion Ratio Lower Upper

43 100

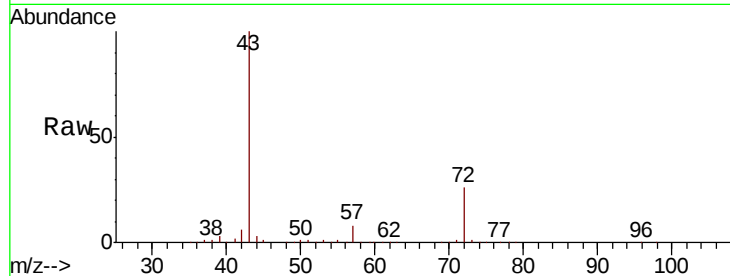
72 26.1 22.0 33.0

Manual Integrations

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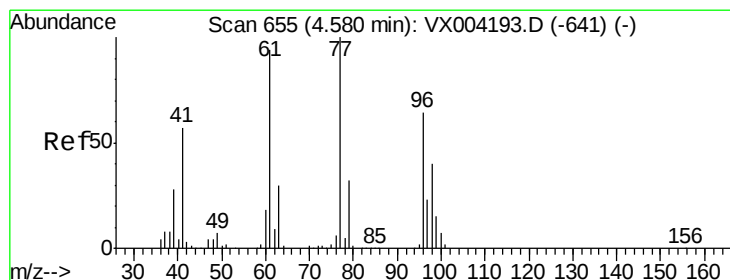
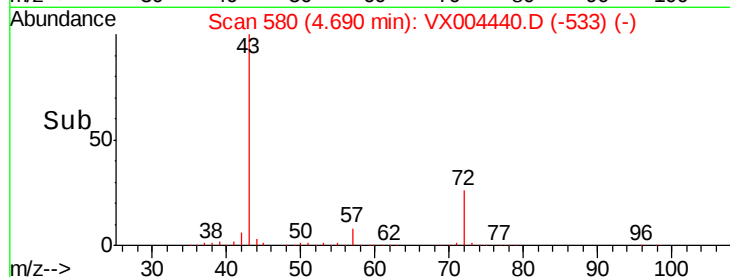
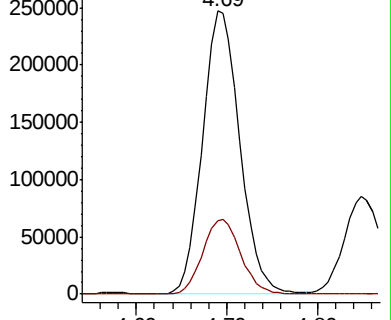
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 47.44 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX004440.D

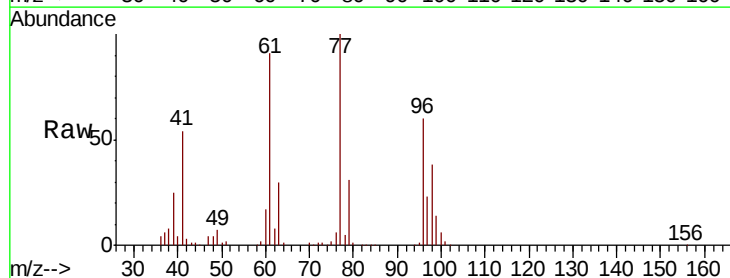
Acq: 10 Sep 2018 10:42

Tgt Ion: 77 Resp: 290715

Ion Ratio Lower Upper

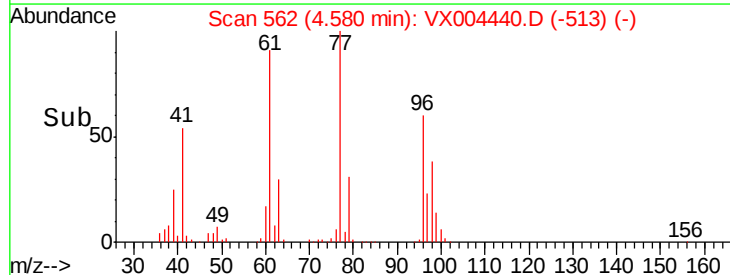
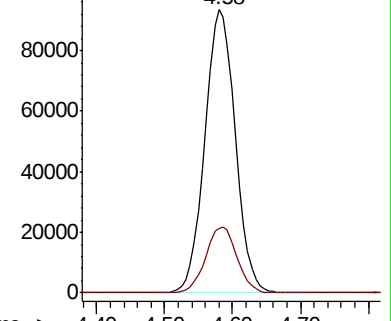
77 100

97 23.8 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

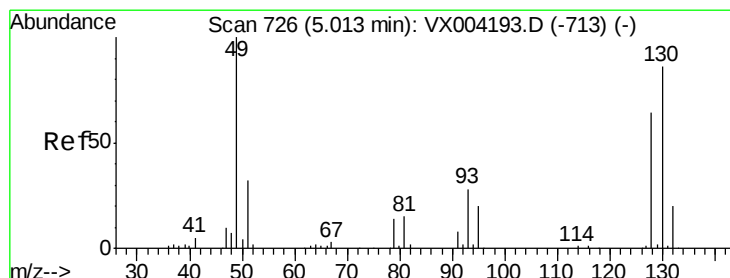
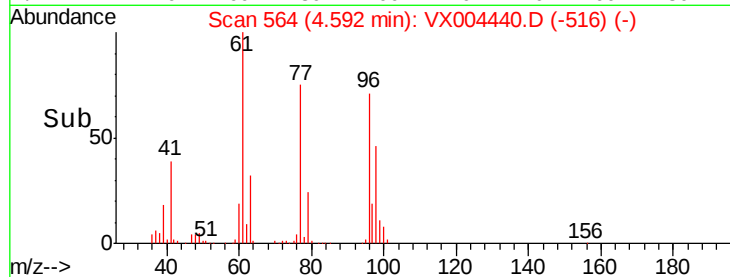
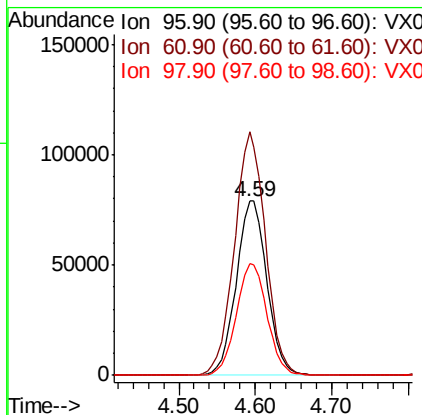
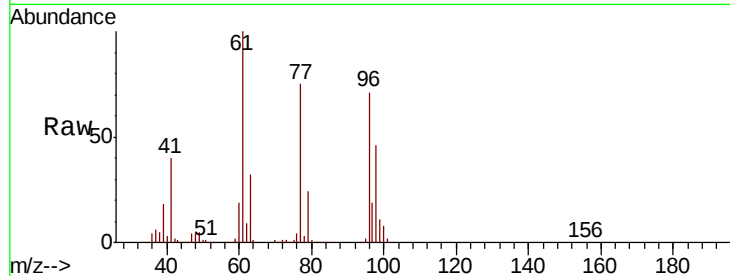
cis-1,2-Dichloroethene
 Concen: 44.64 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX004440.D
 Acq: 10 Sep 2018 10:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	219010		
61	142.0	0.0	282.6	
98	64.4	0.0	130.2	

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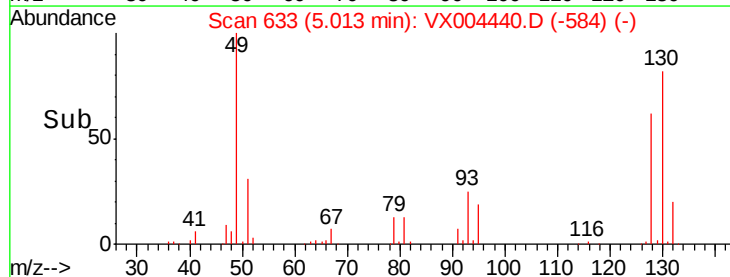
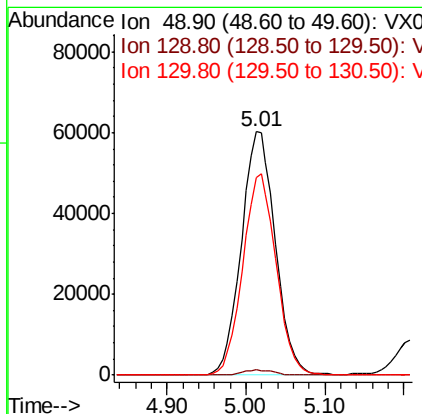
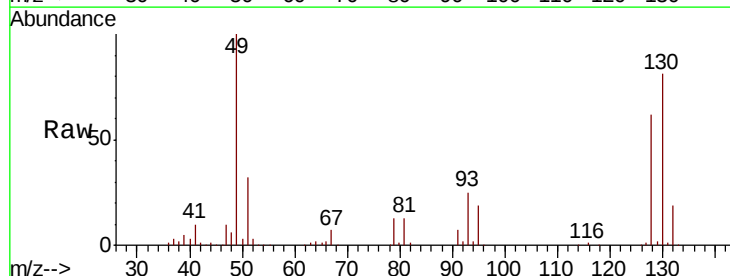
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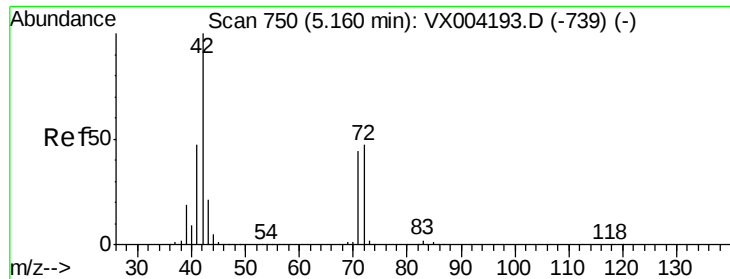


#28

Bromochloromethane
 Concen: 52.06 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.00 min
 Lab File: VX004440.D
 Acq: 10 Sep 2018 10:42

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	180102		
129	2.0	0.0	4.2	
130	81.3	67.5	101.3	





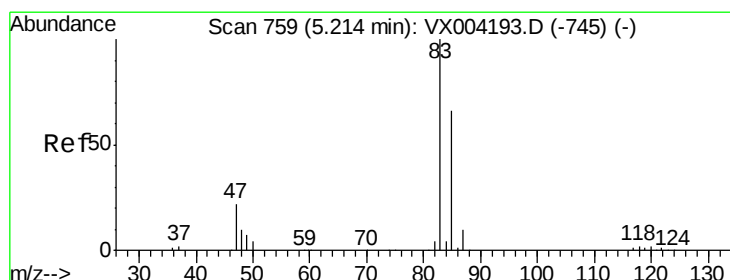
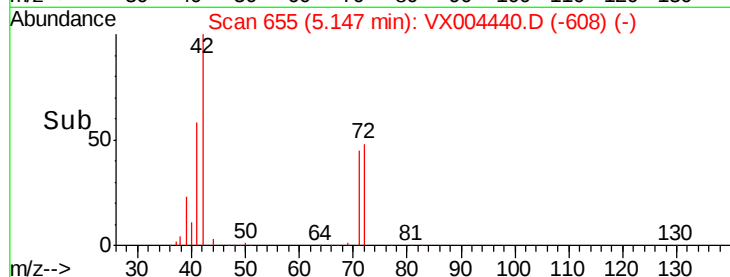
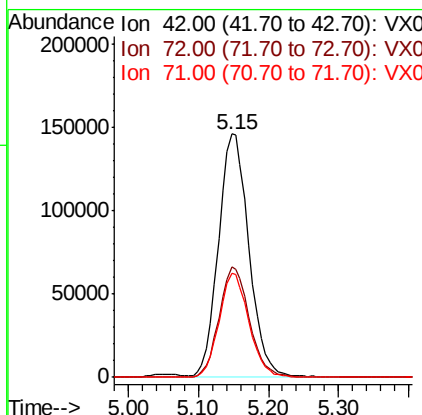
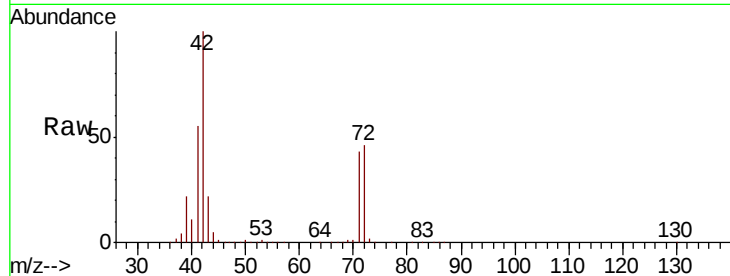
#29
Tetrahydrofuran
Concen: 213.16 ug/l
RT: 5.15 min Scan# 655
Delta R.T. -0.01 min
Lab File: VX004440.D
Acq: 10 Sep 2018 10:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.3	37.4	56.0
71	41.9	34.5	51.7

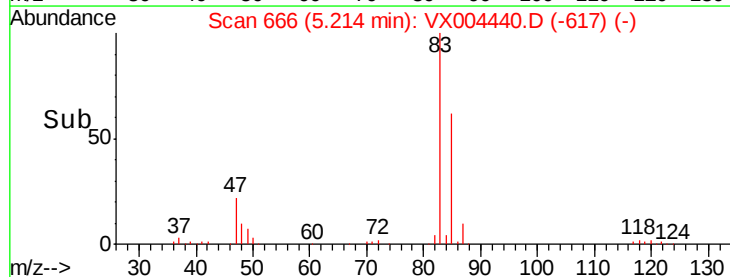
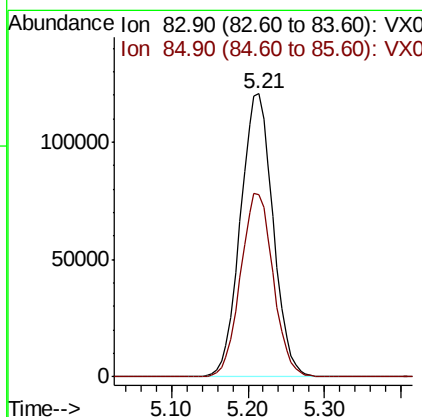
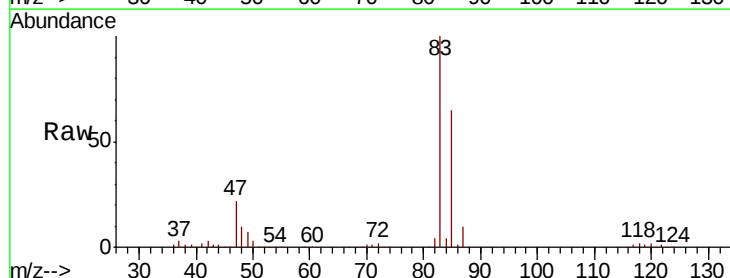
Manual Integrations
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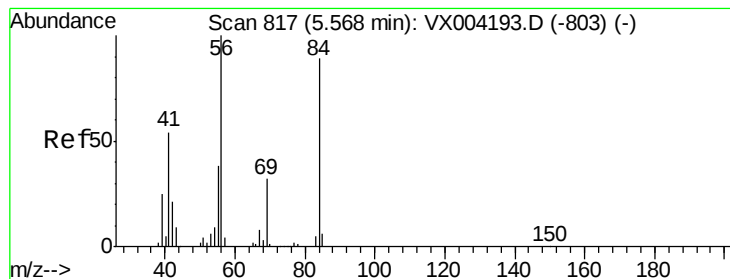
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#30
Chloroform
Concen: 45.70 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX004440.D
Acq: 10 Sep 2018 10:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.6	79.0





#31

Cyclohexane

Concen: 44.83 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.01 min

Lab File: VX004440.D

Acq: 10 Sep 2018 10:42

Instrument :

MSVOA_X

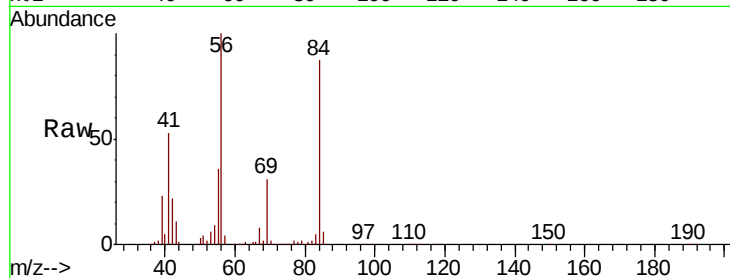
ClientSampleId :

VSTDCCC050

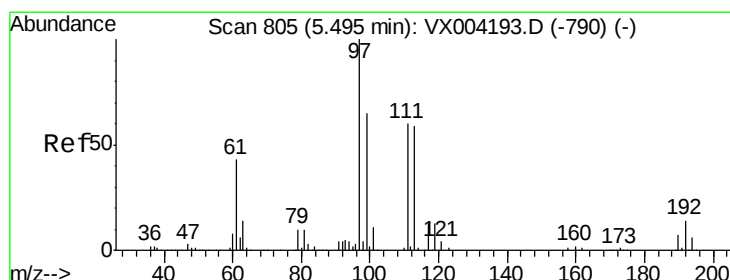
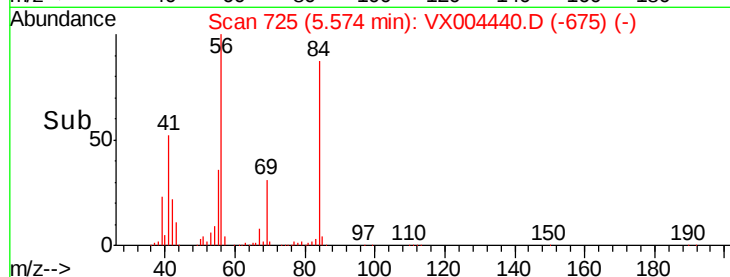
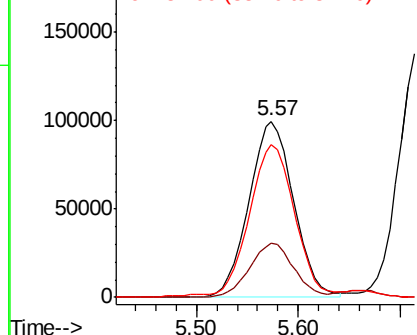
Tot Ion:	56	Resp:	302254
Ion	Ratio	Lower	Upper
56	100		
69	30.9	25.4	38.2
84	85.7	71.4	107.2

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



#32

1,1,1-Trichloroethane

Concen: 45.60 ug/l

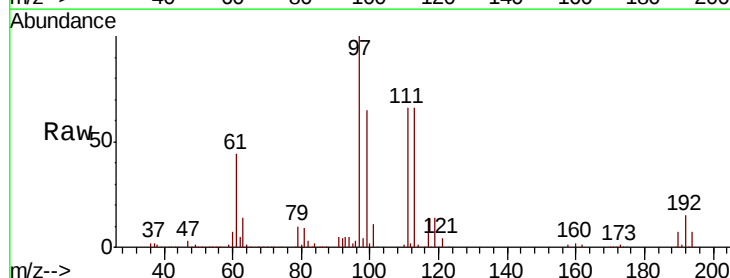
RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

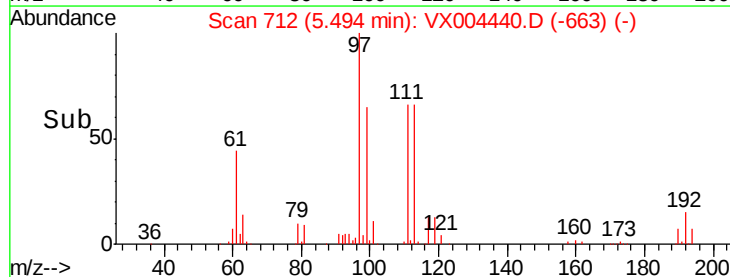
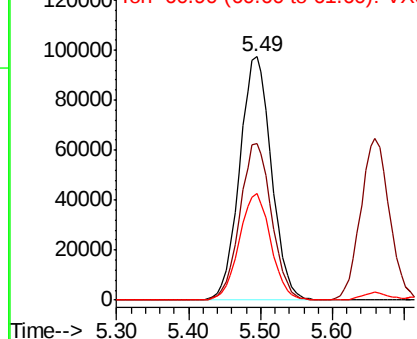
Lab File: VX004440.D

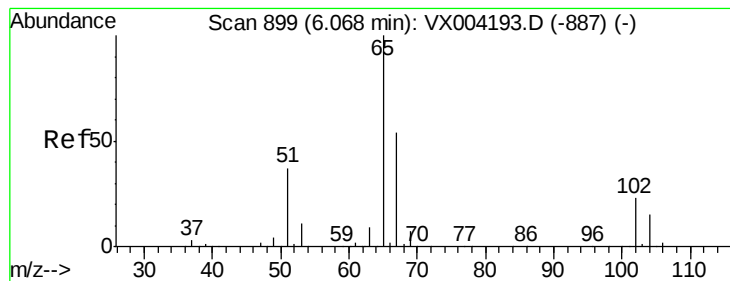
Acq: 10 Sep 2018 10:42

Tgt Ion:	97	Resp:	297907
Ion	Ratio	Lower	Upper
97	100		
99	64.3	52.0	78.0
61	43.9	34.9	52.3



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





#33

1,2-Dichloroethane-d4

Concen: 43.14 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX004440.D

Acq: 10 Sep 2018 10:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 207447

Ion Ratio Lower Upper

65 100

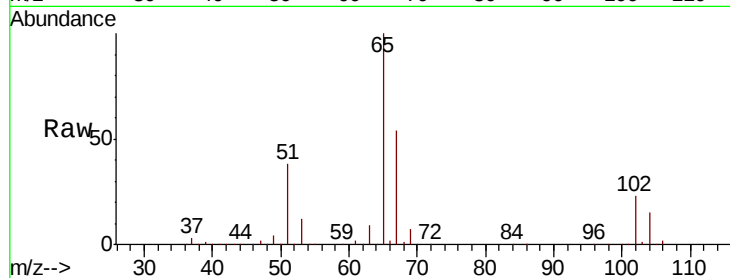
67 54.2 0.0 106.8

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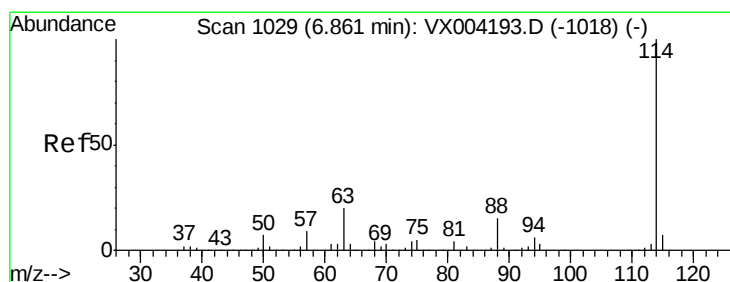
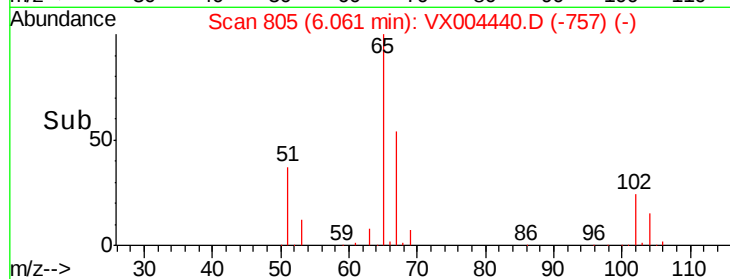
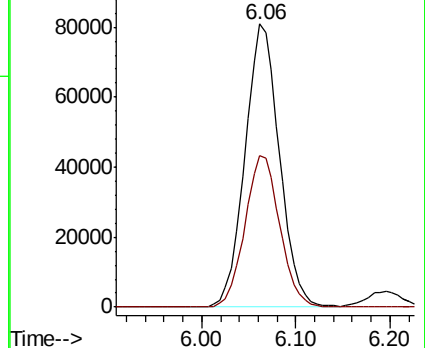
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX004440.D

Acq: 10 Sep 2018 10:42

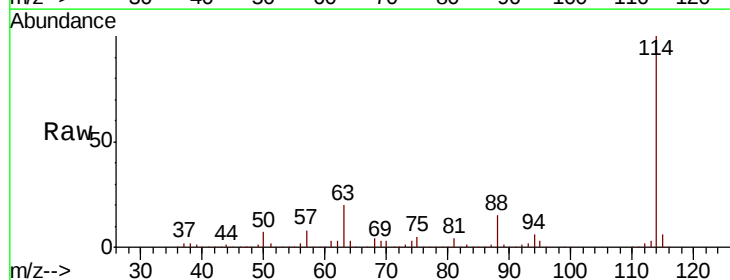
Tgt Ion: 114 Resp: 513534

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.0

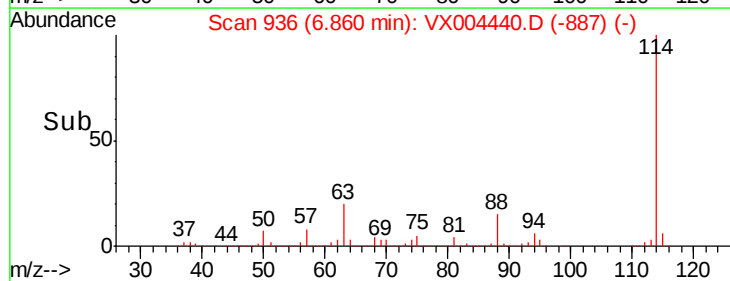
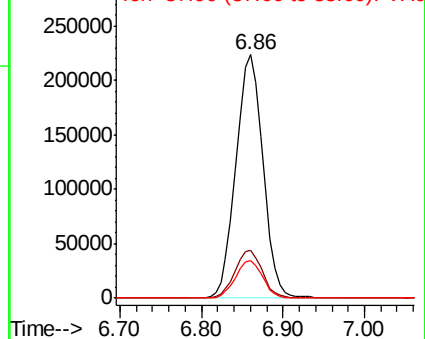
88 15.5 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.45 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX004440.D

Acq: 10 Sep 2018 10:42

Instrument :

MSVOA_X

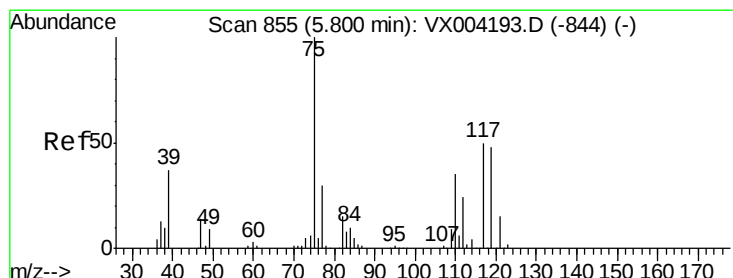
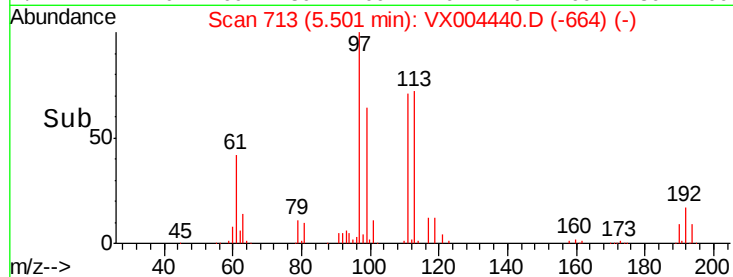
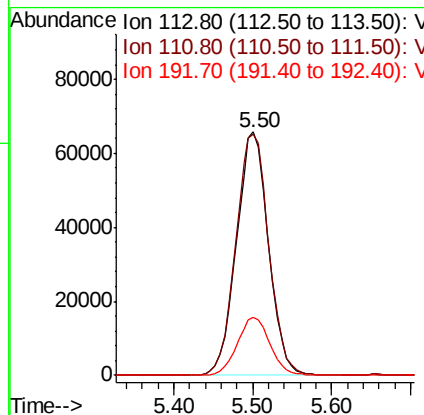
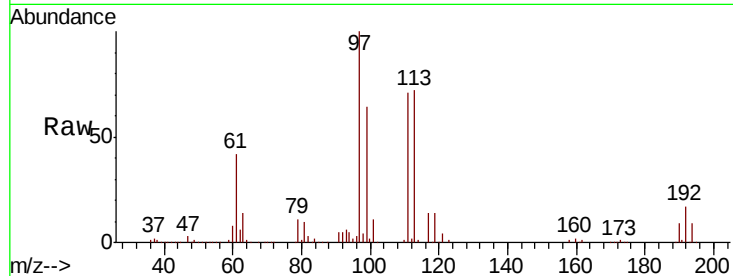
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	185093
Ion Ratio	Lower	Upper	
113	100		
111	102.2	82.4	123.6
192	24.2	19.4	29.2

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#36

1,1-Dichloropropene

Concen: 46.29 ug/l

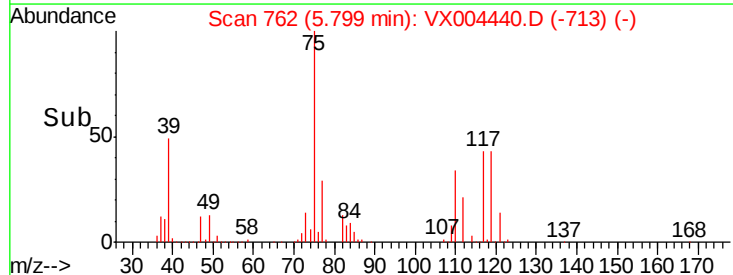
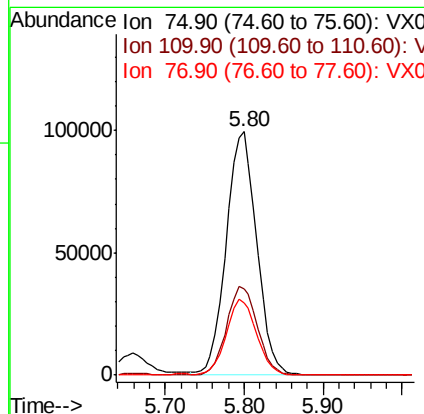
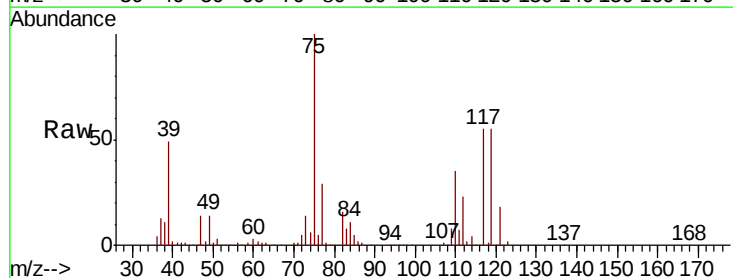
RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX004440.D

Acq: 10 Sep 2018 10:42

Tgt Ion:	75	Resp:	267222
Ion Ratio	Lower	Upper	
75	100		
110	36.6	18.0	54.0
77	31.0	24.6	36.8





#37

Ethyl Acetate

Concen: 44.15 ug/l

RT: 4.85 min Scan# 606

Delta R.T. -0.01 min

Lab File: VX004440.D

Acq: 10 Sep 2018 10:42

Instrument :

MSVOA_X

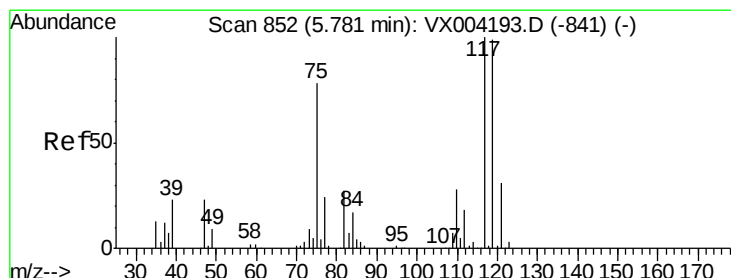
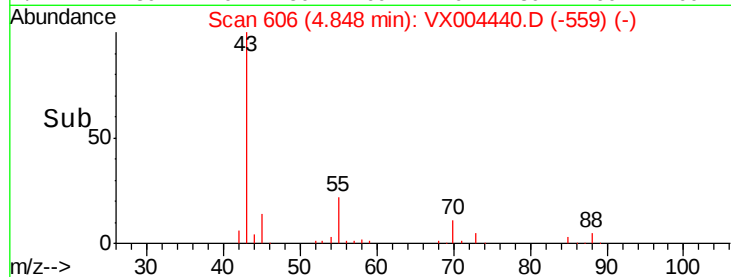
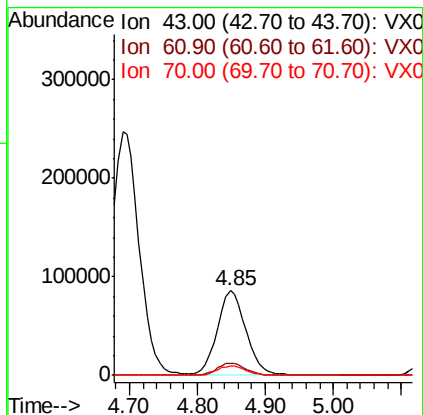
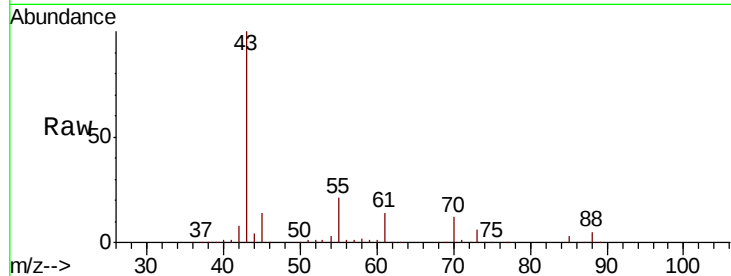
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	250686
Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.5	17.3
70	11.2	9.0	13.6

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#38

Carbon Tetrachloride

Concen: 47.84 ug/l

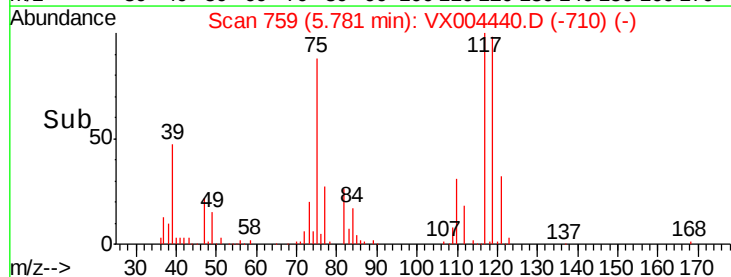
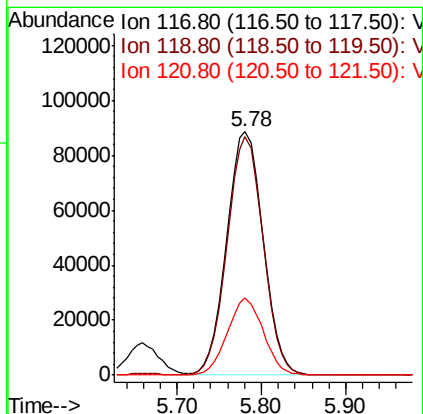
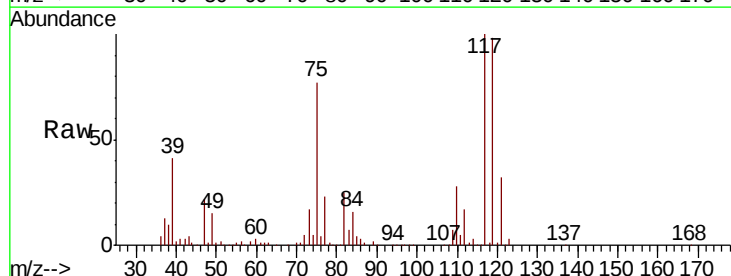
RT: 5.78 min Scan# 759

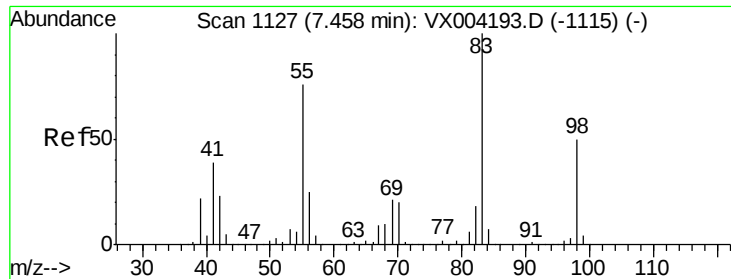
Delta R.T. -0.00 min

Lab File: VX004440.D

Acq: 10 Sep 2018 10:42

Tgt Ion:	117	Resp:	259844
Ion	Ratio	Lower	Upper
117	100		
119	98.0	78.8	118.2
121	31.9	24.9	37.3





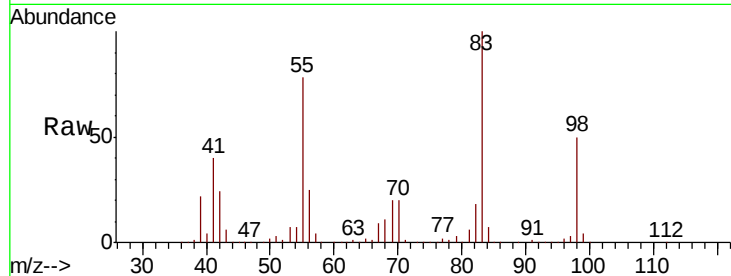
#39
Methvlcvclohexane
Concen: 48.87 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX004440.D
Acq: 10 Sep 2018 10:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

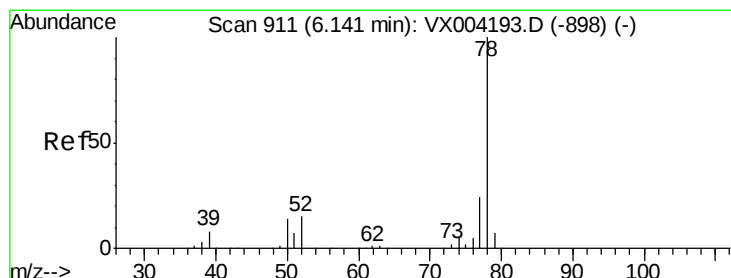
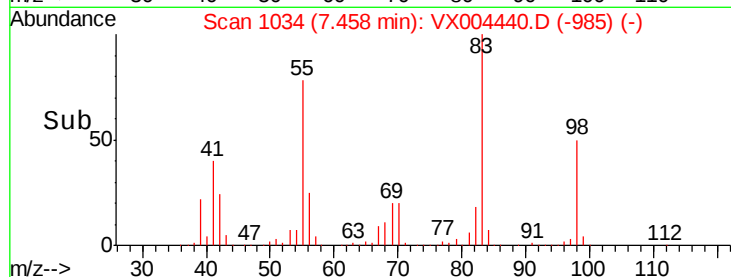
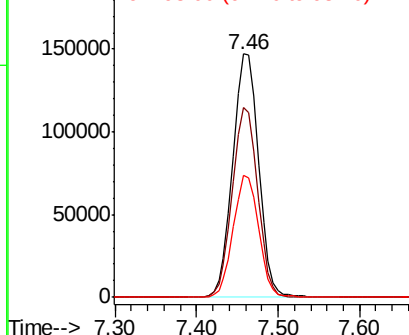
Tot Ion	Ratio	Resp	Lower	Upper
83	100	322149		
55	78.1		61.0	91.4
98	49.9		39.6	59.4

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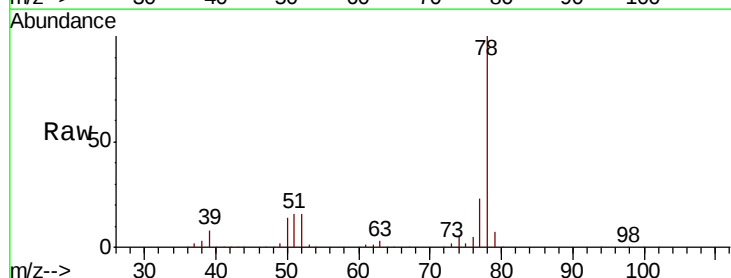


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

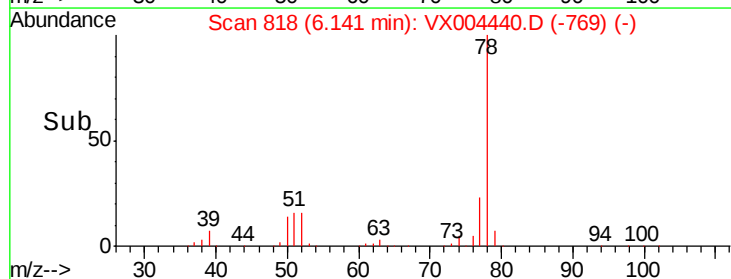
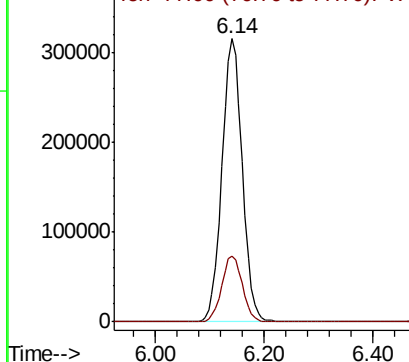


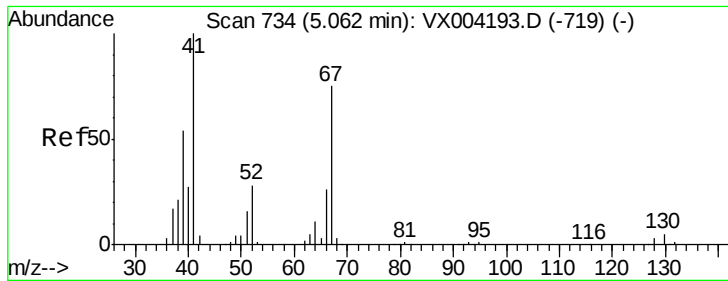
#40
Benzene
Concen: 47.37 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX004440.D
Acq: 10 Sep 2018 10:42

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	817159		
77	23.3		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: 47.05 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX004440.D

Acq: 10 Sep 2018 10:42

Instrument :

MSVOA_X

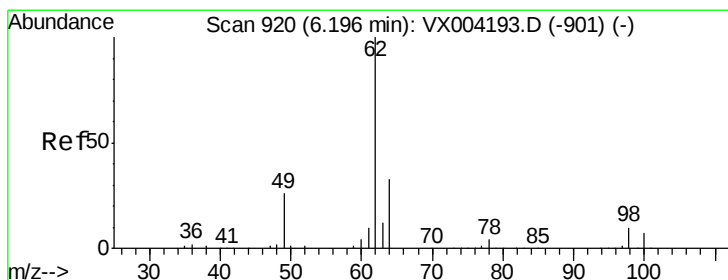
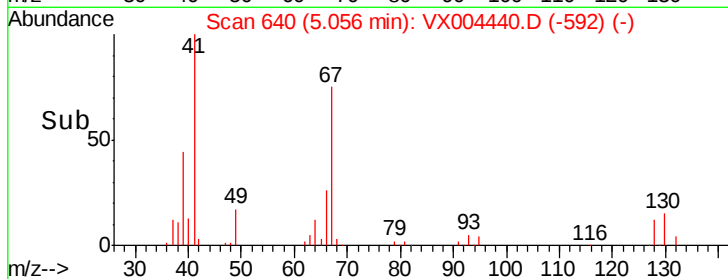
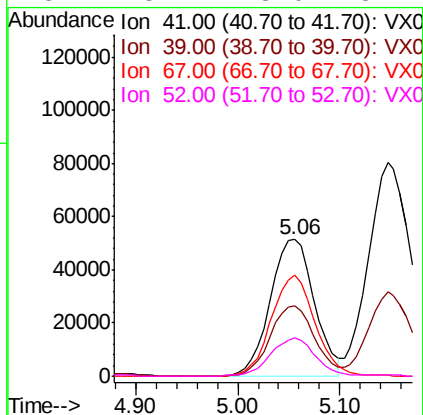
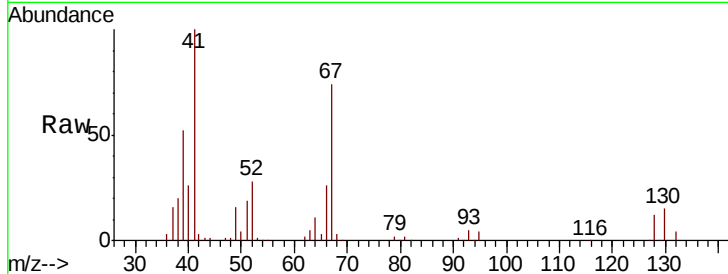
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.8	42.4	63.6	
67	73.5	59.2	88.8	
52	28.2	23.0	34.4	

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#42

1,2-Dichloroethane

Concen: 45.76 ug/l

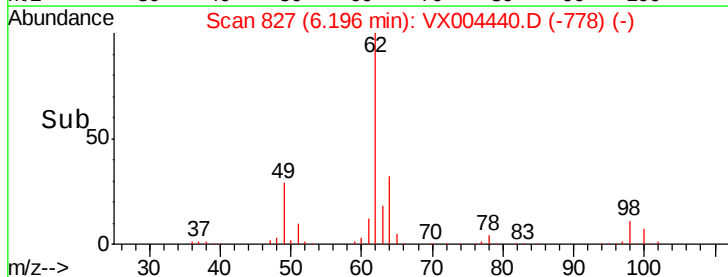
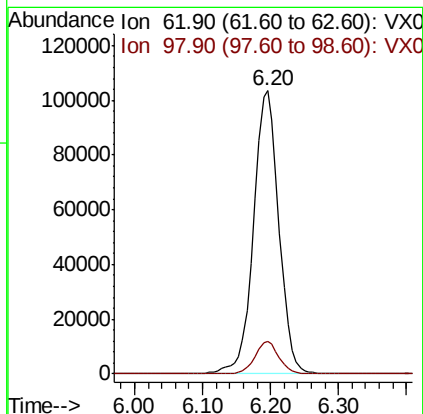
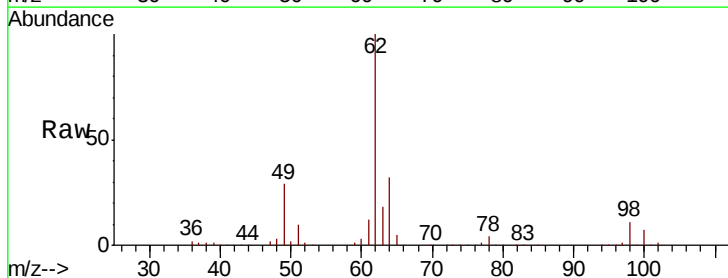
RT: 6.20 min Scan# 827

Delta R.T. -0.00 min

Lab File: VX004440.D

Acq: 10 Sep 2018 10:42

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.8	0.0	20.6	





#43

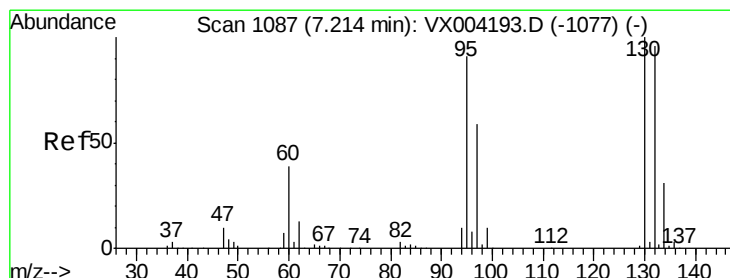
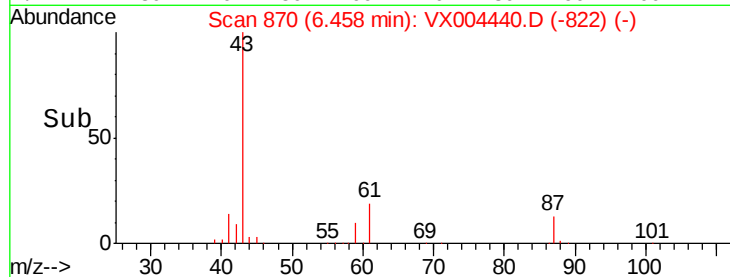
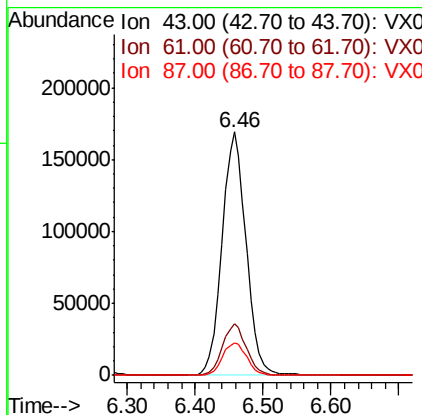
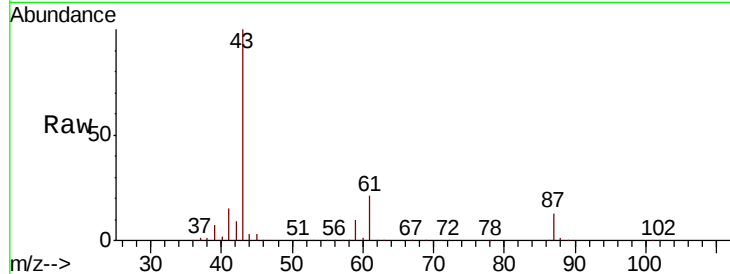
Isopropyl Acetate
 Concen: 47.21 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.01 min
 Lab File: VX004440.D
 Acq: 10 Sep 2018 10:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.1	17.0	25.4
87	13.8	11.4	17.2

Manual Integrations
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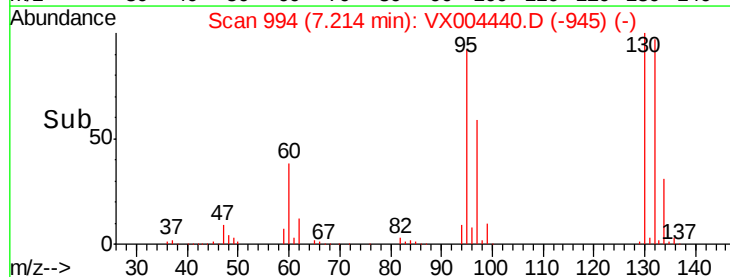
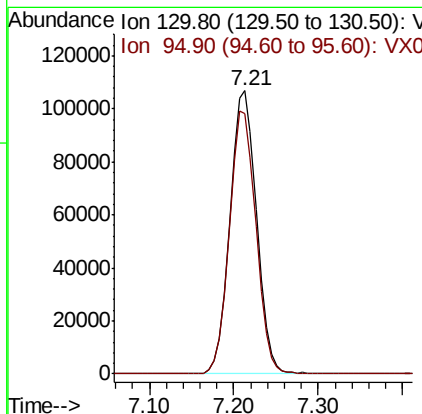
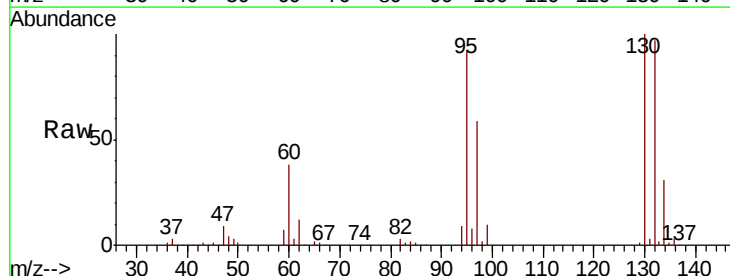
MMDadoda
 9/11/2018 3:06:42 PM

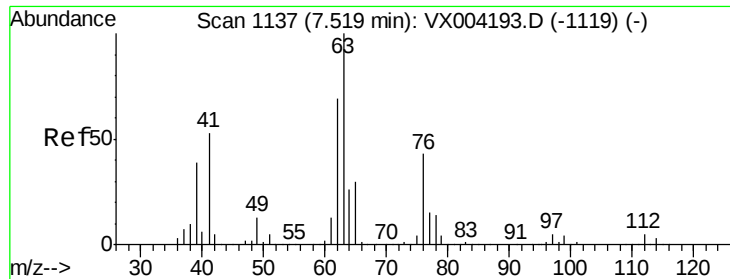


#44

Trichloroethene
 Concen: 47.75 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX004440.D
 Acq: 10 Sep 2018 10:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.1	0.0	181.6





#45

1,2-Dichloropropane

Concen: 50.11 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX004440.D

Acq: 10 Sep 2018 10:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 216366

Ion Ratio Lower Upper

63 100

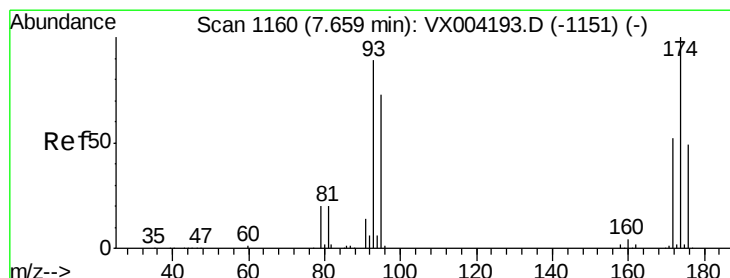
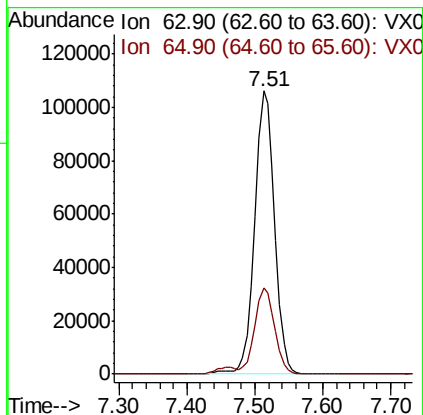
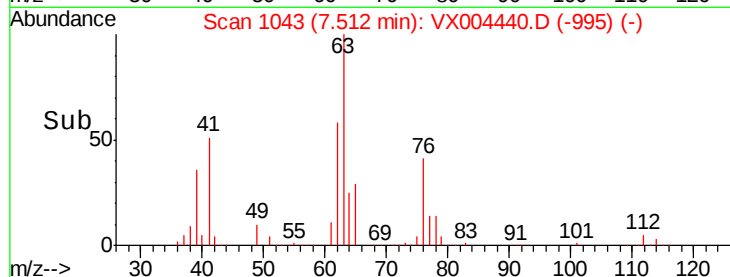
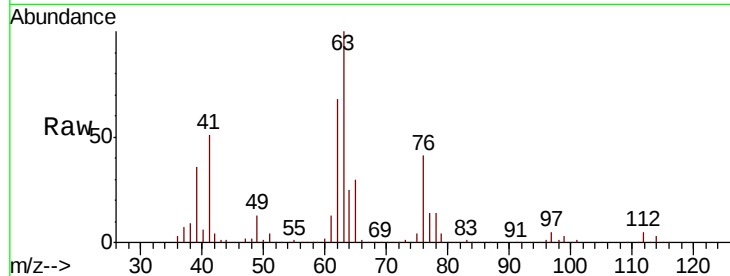
65 30.4 24.3 36.5

Manual Integrations

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#46

Dibromomethane

Concen: 46.58 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX004440.D

Acq: 10 Sep 2018 10:42

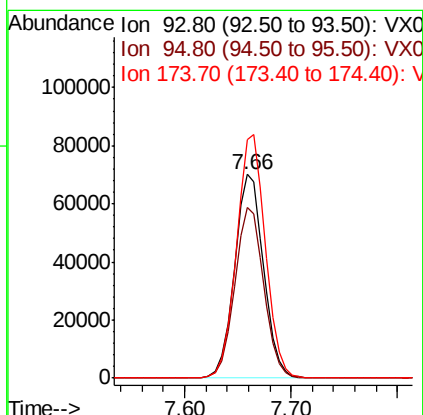
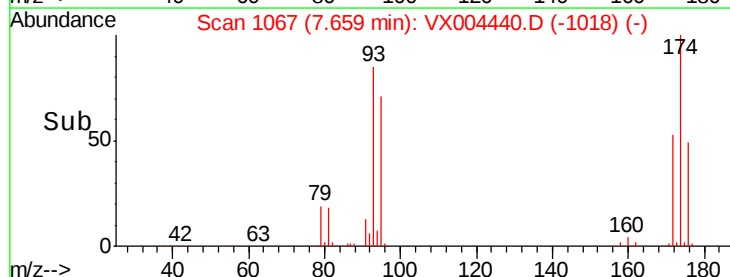
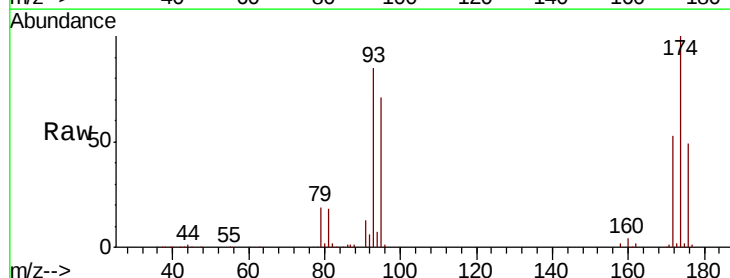
Tgt Ion: 93 Resp: 133913

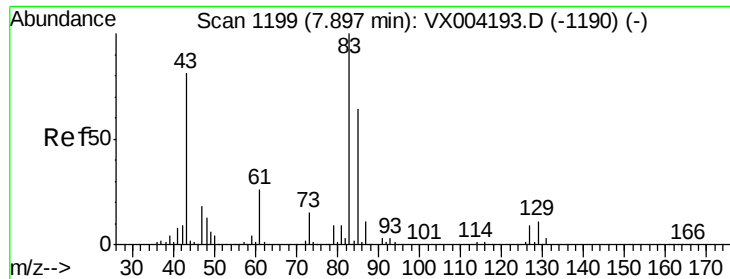
Ion Ratio Lower Upper

93 100

95 83.9 65.5 98.3

174 119.3 94.2 141.4





#47

Bromodichloromethane

Concen: 50.04 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX004440.D

Acq: 10 Sep 2018 10:42

Instrument :

MSVOA_X

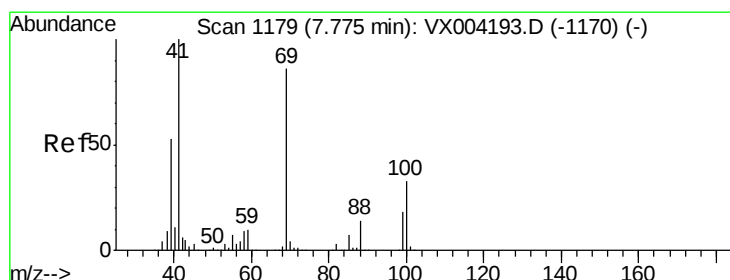
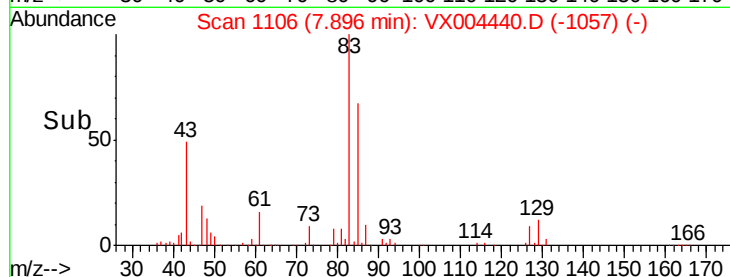
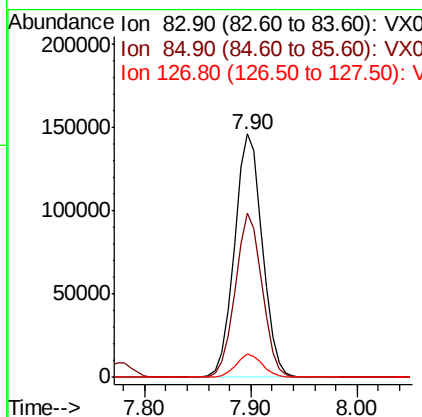
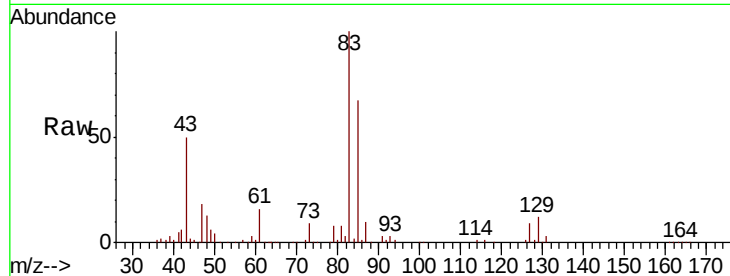
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	267657
Ion Ratio	Lower	Upper	
83	100		
85	67.2	50.9	76.3
127	9.4	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 48.38 ug/l

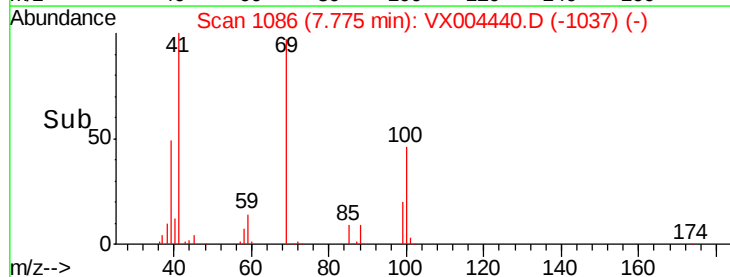
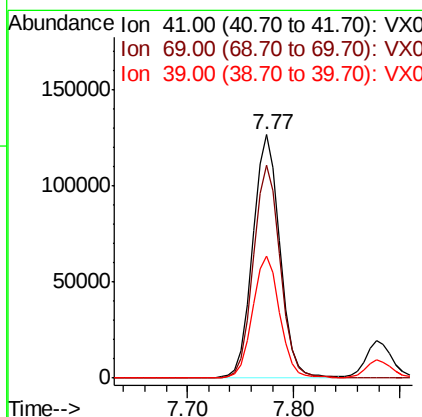
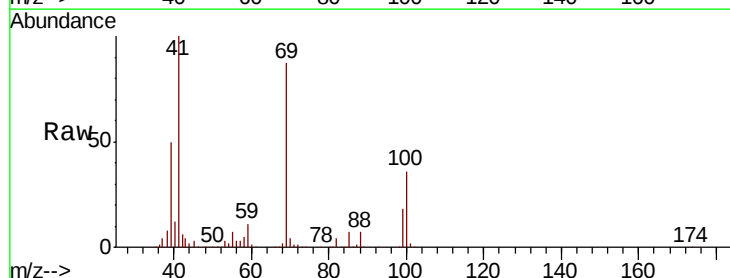
RT: 7.77 min Scan# 1086

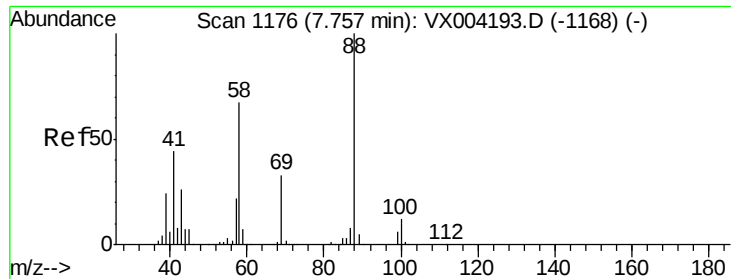
Delta R.T. -0.00 min

Lab File: VX004440.D

Acq: 10 Sep 2018 10:42

Tgt Ion:	41	Resp:	225864
Ion Ratio	Lower	Upper	
41	100		
69	87.3	70.2	105.4
39	50.0	42.7	64.1





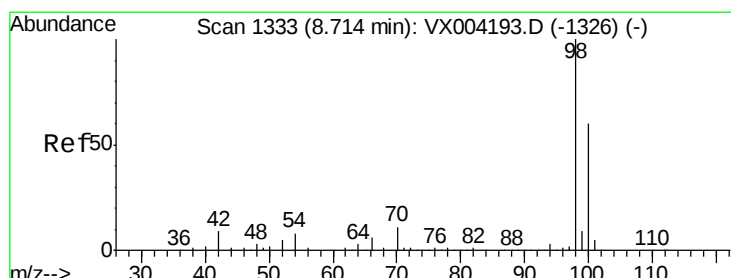
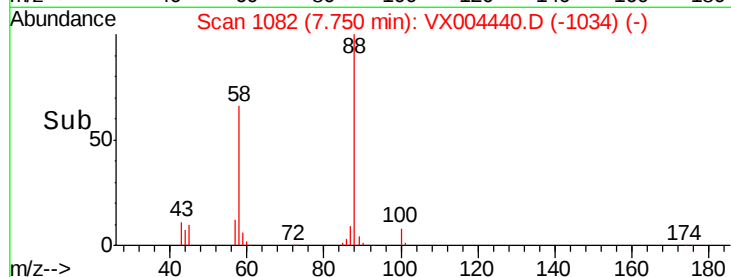
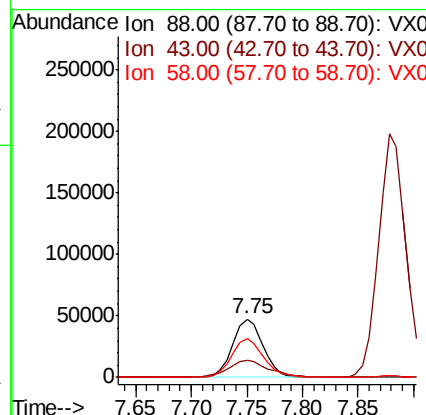
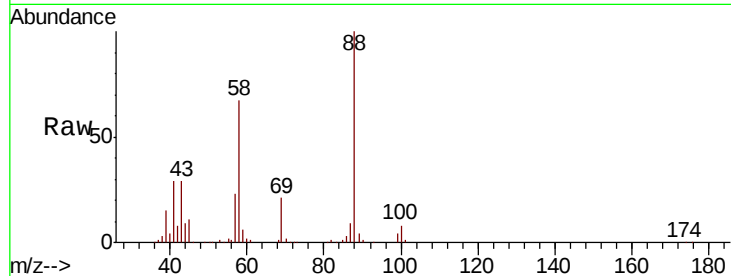
#49
1,4-Dioxane
Concen: 853.23 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX004440.D
Acq: 10 Sep 2018 10:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.5	24.7	37.1
58	69.6	55.3	82.9

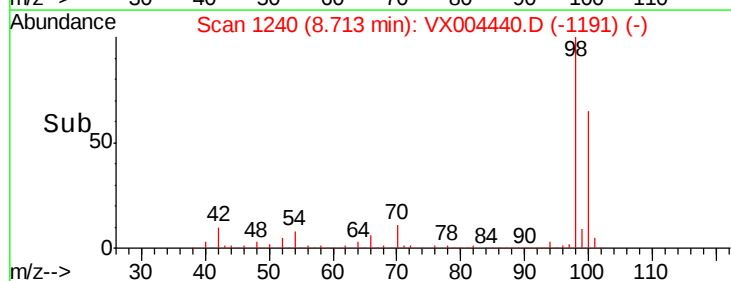
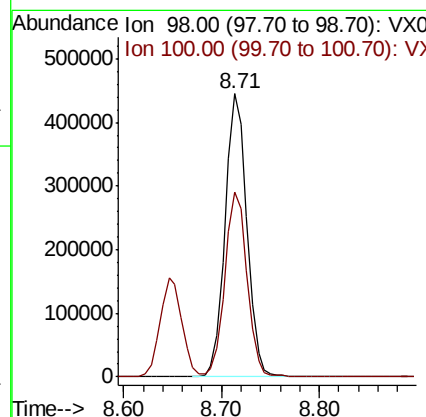
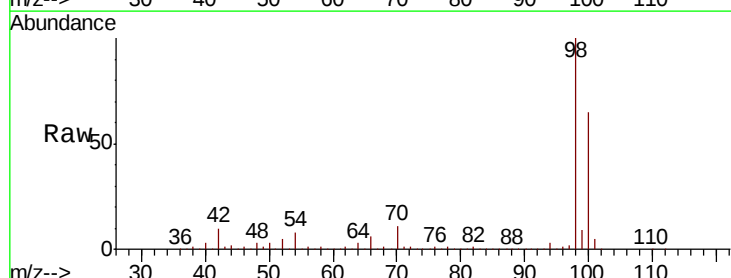
Manual Integrations
APPROVED

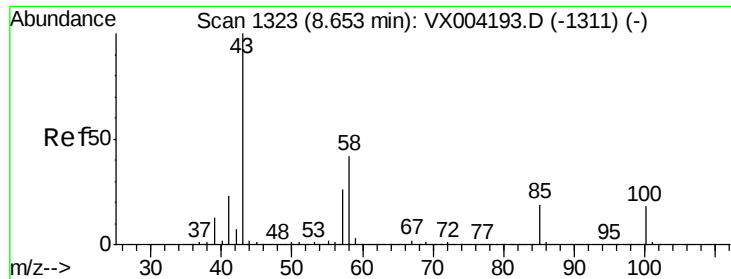
MMDadoda
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#50
Toluene-d8
Concen: 47.59 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX004440.D
Acq: 10 Sep 2018 10:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.5	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 221.33 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX004440.D

Acq: 10 Sep 2018 10:42

Instrument :

MSVOA_X

ClientSampleID :

VSTDCCC050

Tot Ion: 43 Resp: 1403053

Ion Ratio Lower Upper

43 100

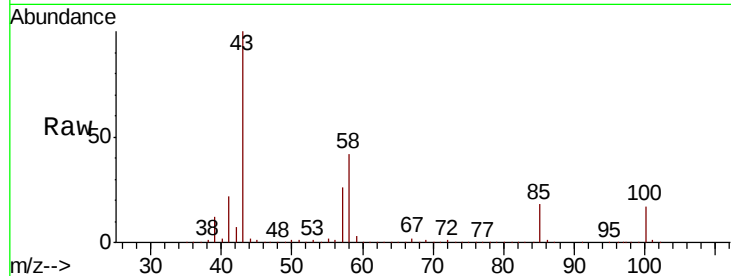
58 41.4 33.1 49.7

Manual Integrations

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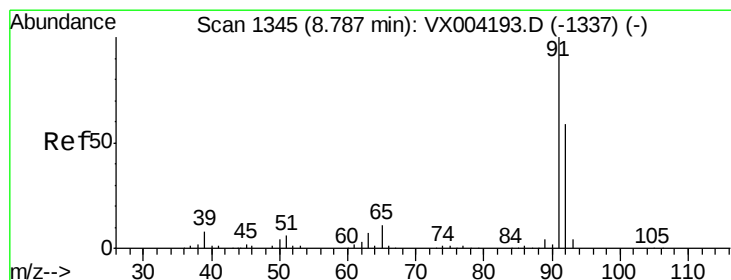
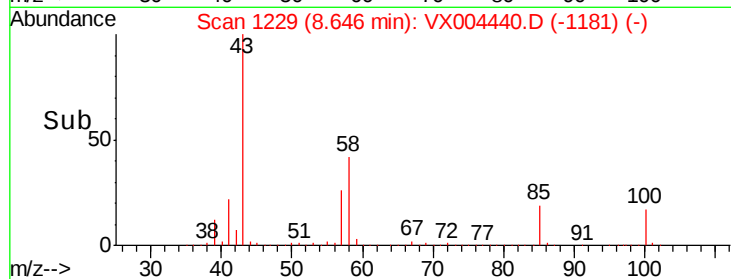
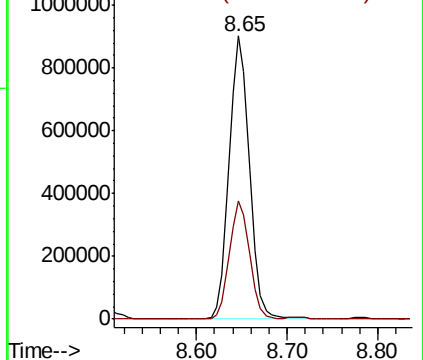
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 48.61 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX004440.D

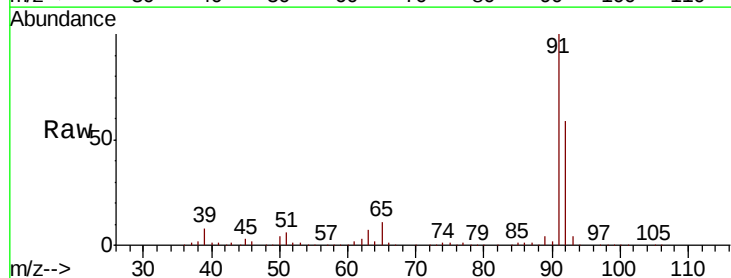
Acq: 10 Sep 2018 10:42

Tgt Ion: 92 Resp: 524953

Ion Ratio Lower Upper

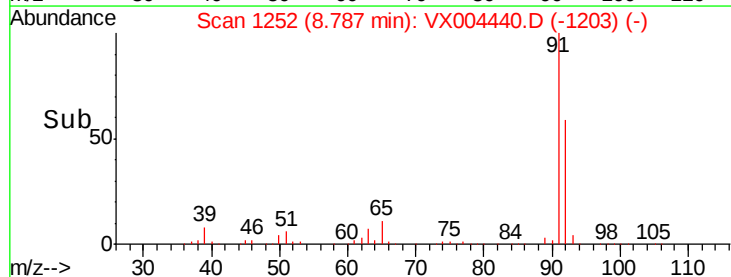
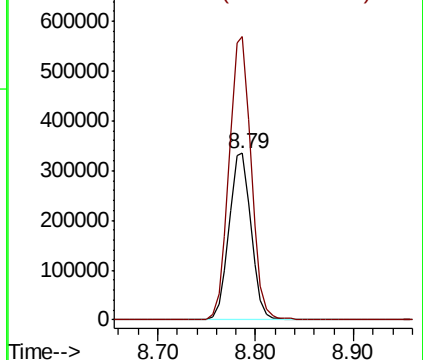
92 100

91 170.1 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





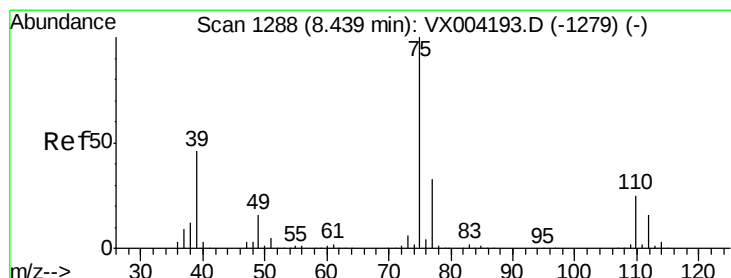
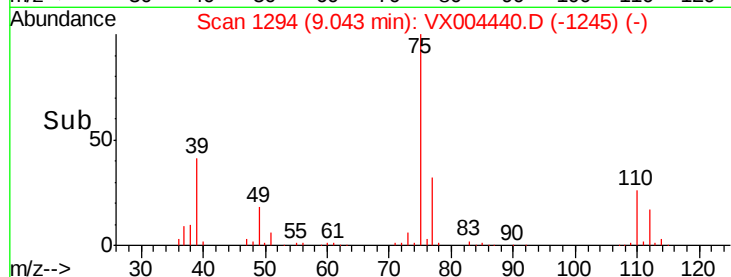
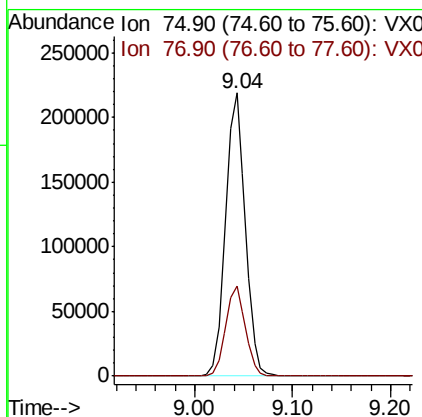
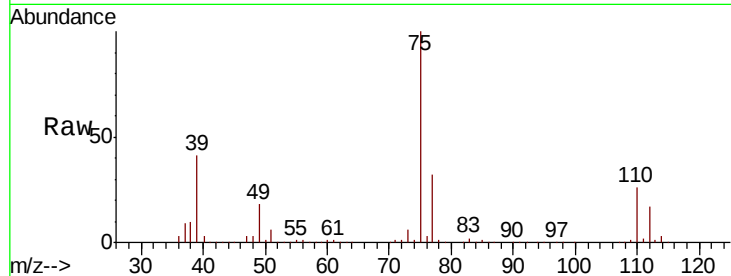
#53
 t-1,3-Dichloropropene
 Concen: 51.59 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX004440.D
 Acq: 10 Sep 2018 10:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 304820
 Ion Ratio Lower Upper
 75 100
 77 31.6 24.6 37.0

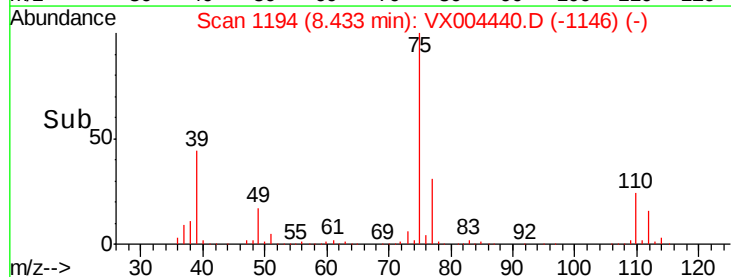
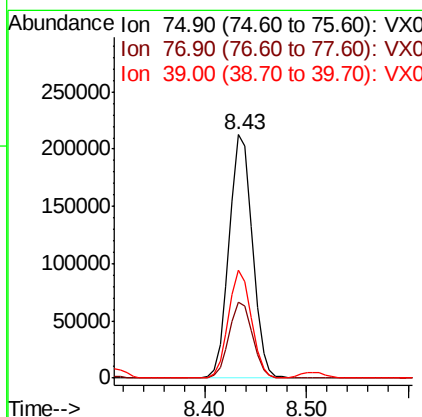
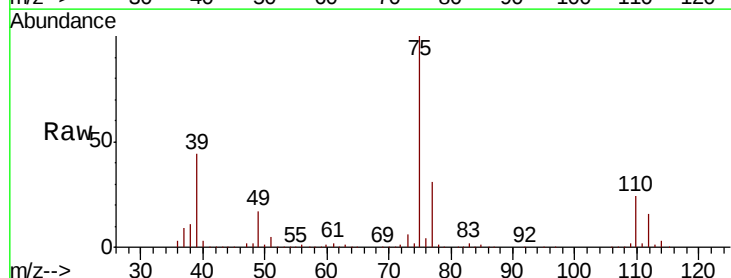
Manual Integrations
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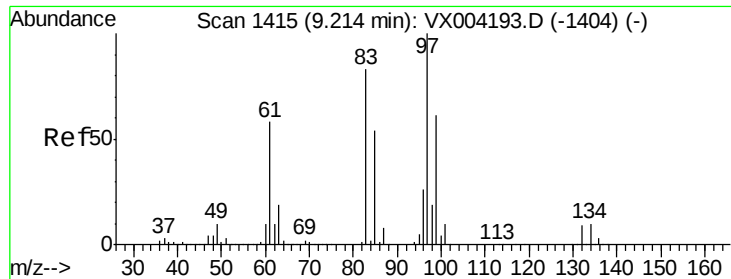
MMDadoda
 9/11/2018 3:06:42 PM



#54
 cis-1,3-Dichloropropene
 Concen: 52.05 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: VX004440.D
 Acq: 10 Sep 2018 10:42

Tgt Ion: 75 Resp: 334997
 Ion Ratio Lower Upper
 75 100
 77 31.4 26.2 39.2
 39 44.2 36.4 54.6





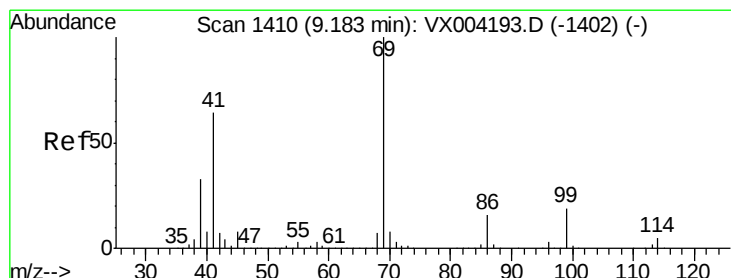
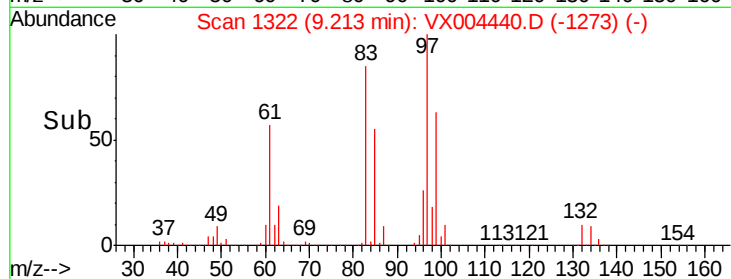
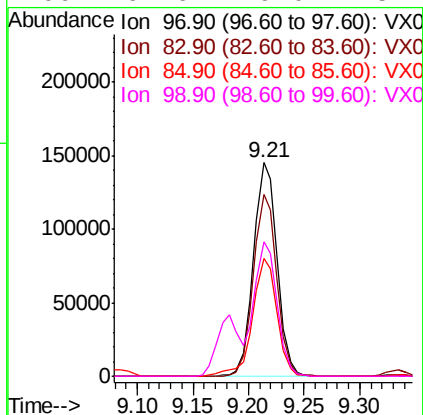
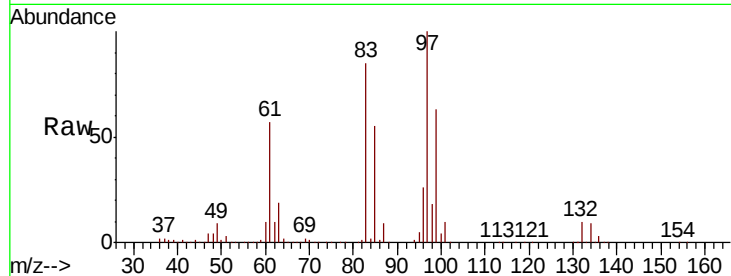
#55
 1,1,2-Trichloroethane
 Concen: 49.30 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX004440.D
 Acq: 10 Sep 2018 10:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	214898
Ion	Ratio	Lower	Upper
97	100		
83	85.1	66.4	99.6
85	54.8	43.3	64.9
99	62.6	49.0	73.4

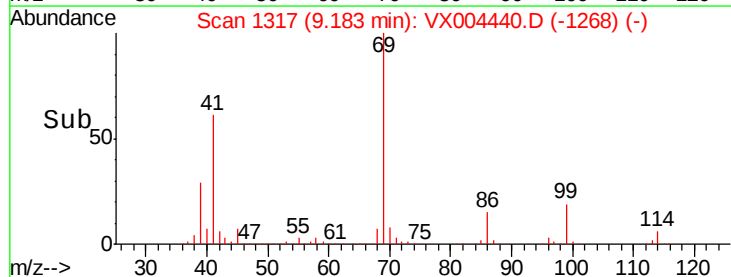
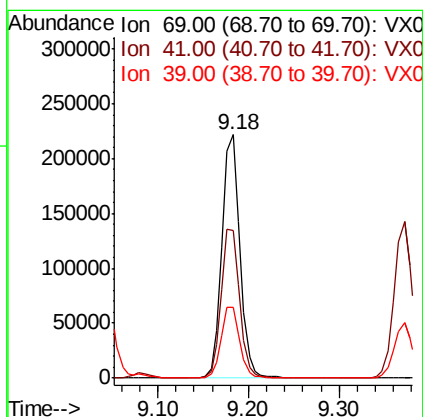
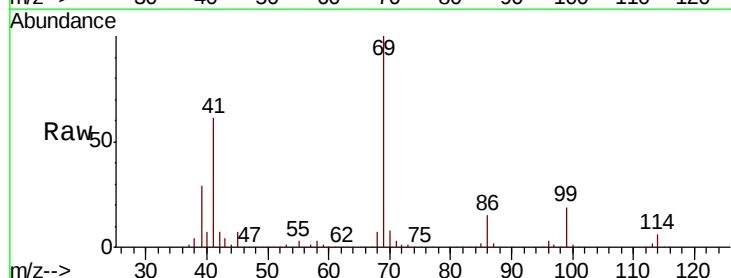
Manual Integrations
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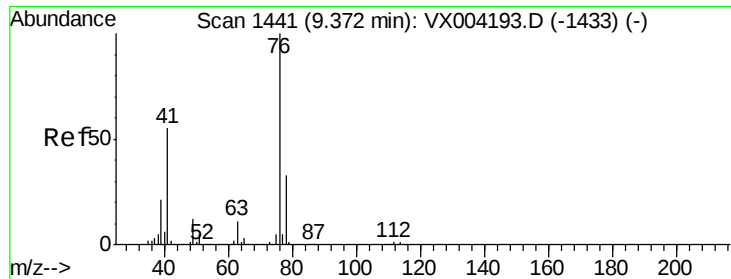
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#56
 Ethyl methacrylate
 Concen: 51.86 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX004440.D
 Acq: 10 Sep 2018 10:42

Tgt Ion:	69	Resp:	307772
Ion	Ratio	Lower	Upper
69	100		
41	62.6	51.0	76.4
39	29.9	26.1	39.1





#57

1,3-Dichloropropane

Concen: 48.70 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX004440.D

Acq: 10 Sep 2018 10:42

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 357827

Ion Ratio Lower Upper

76 100

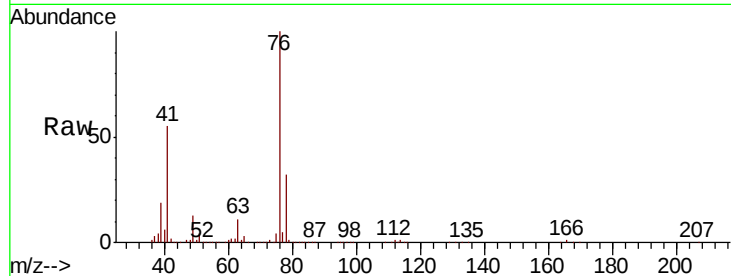
78 32.1 25.5 38.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

250000

200000

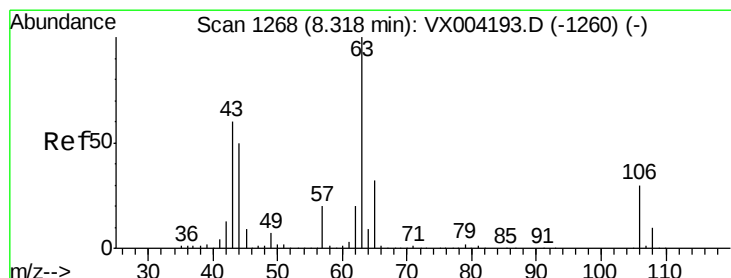
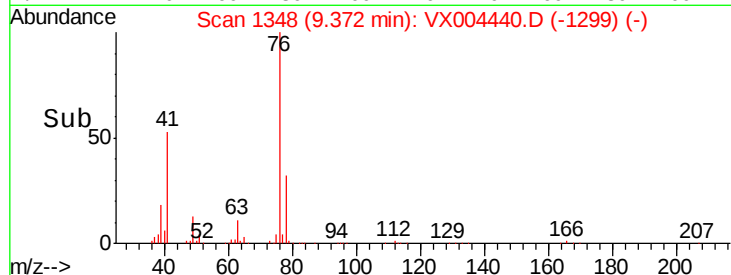
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 217.83 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VX004440.D

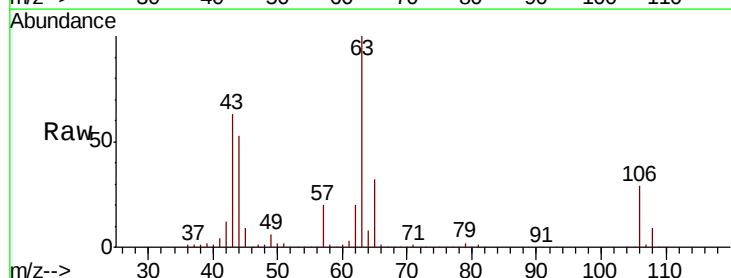
Acq: 10 Sep 2018 10:42

Tgt Ion: 63 Resp: 662315

Ion Ratio Lower Upper

63 100

106 29.4 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

500000

400000

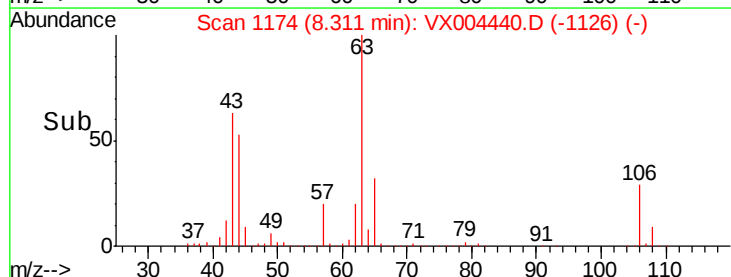
300000

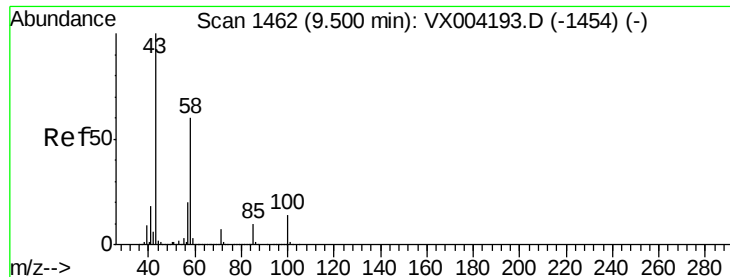
200000

100000

0

Time-->





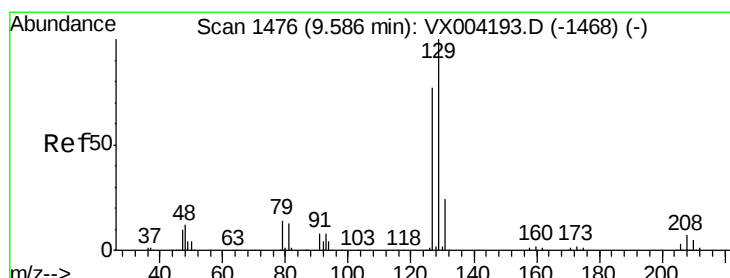
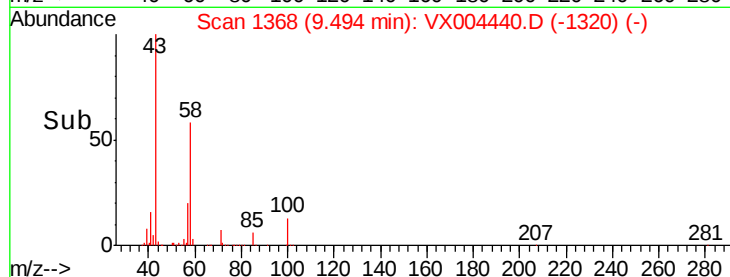
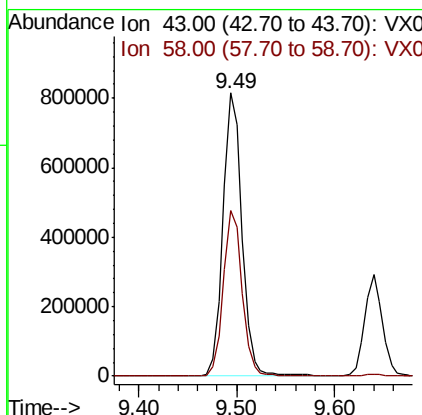
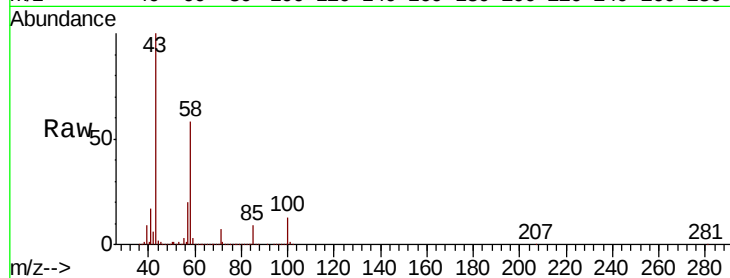
#59
2-Hexanone
Concen: 227.63 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX004440.D
Acq: 10 Sep 2018 10:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1100858
Ion Ratio Lower Upper
43 100
58 57.9 29.0 87.0

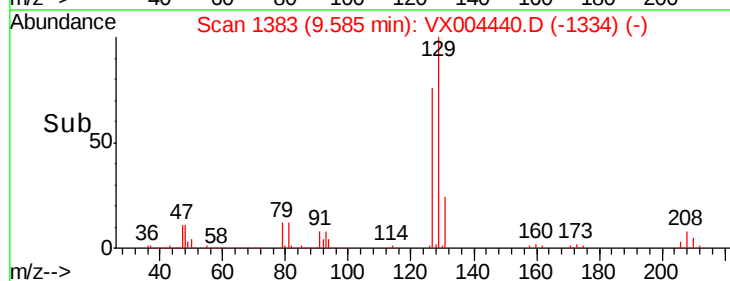
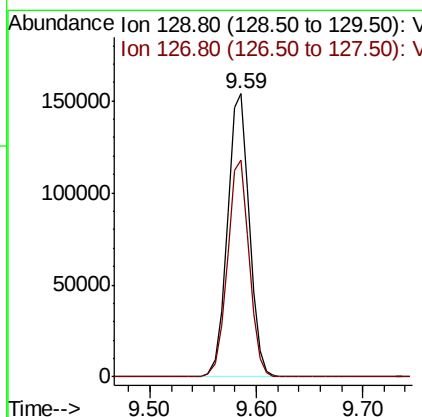
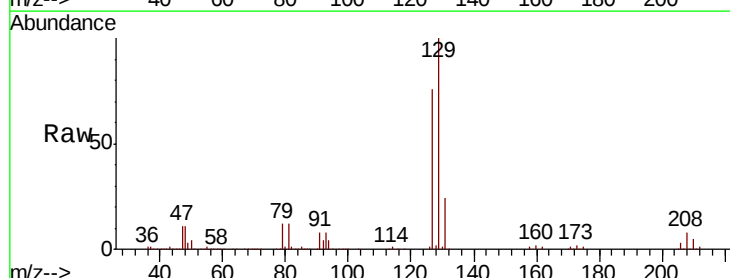
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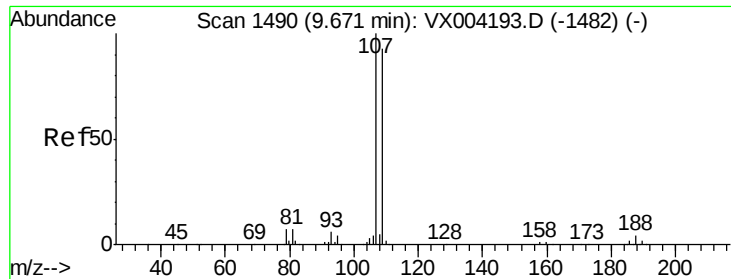
MMDadoda
9/11/2018 3:06:42 PM



#60
Dibromochloromethane
Concen: 51.95 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX004440.D
Acq: 10 Sep 2018 10:42

Tgt Ion: 129 Resp: 220614
Ion Ratio Lower Upper
129 100
127 76.2 38.5 115.5





#61

1,2-Dibromoethane

Concen: 47.64 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX004440.D

Acq: 10 Sep 2018 10:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 214913

Ion Ratio Lower Upper

107 100

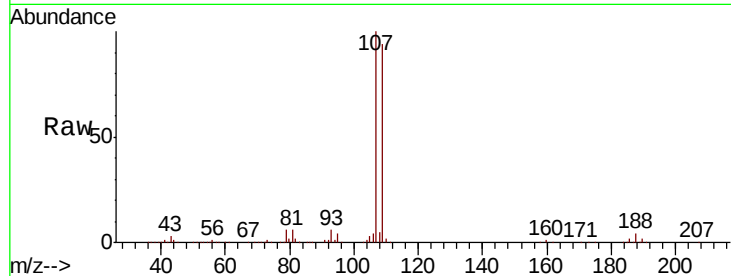
109 94.2 76.0 114.0

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

150000

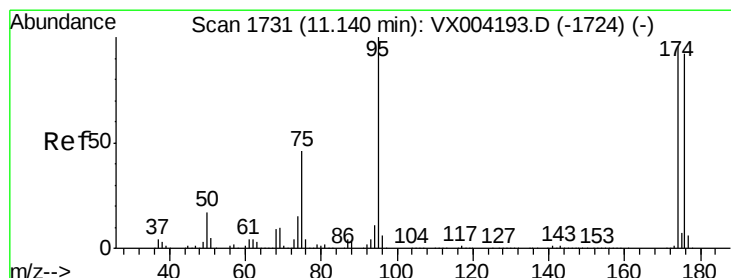
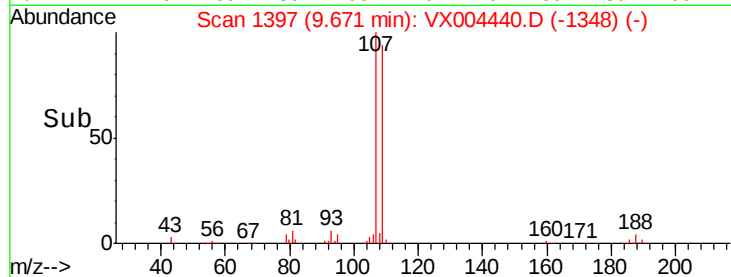
100000

50000

0

9.60 9.70 9.80

Time-->



#62

4-Bromofluorobenzene

Concen: 45.64 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004440.D

Acq: 10 Sep 2018 10:42

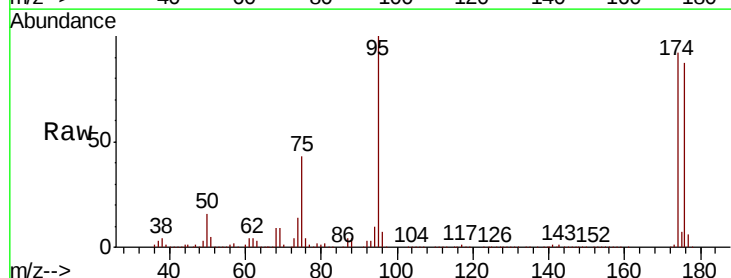
Tgt Ion: 95 Resp: 245576

Ion Ratio Lower Upper

95 100

174 92.3 0.0 185.2

176 90.3 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

150000

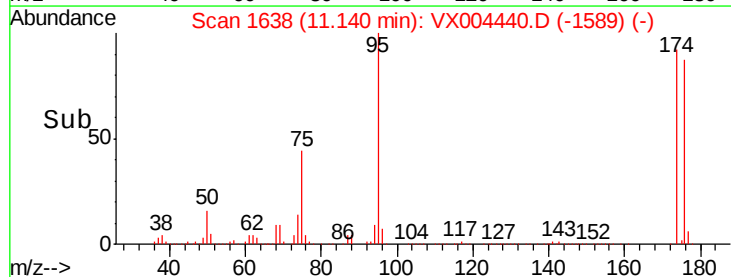
100000

50000

0

11.10 11.20

Time-->





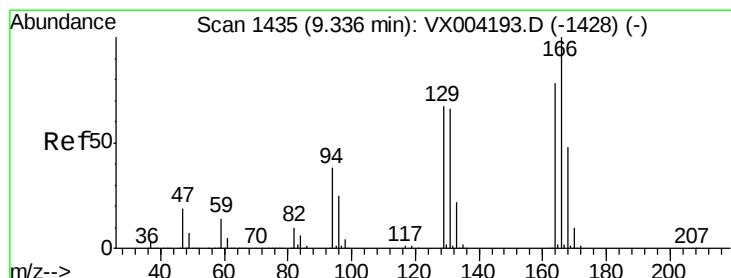
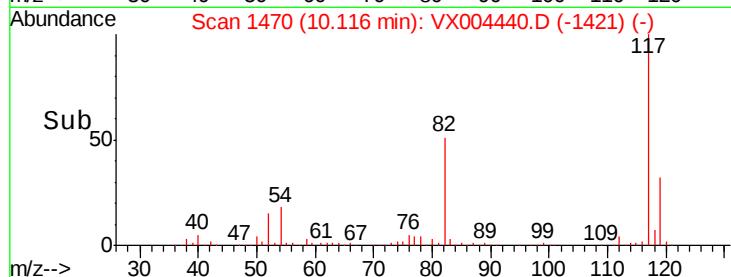
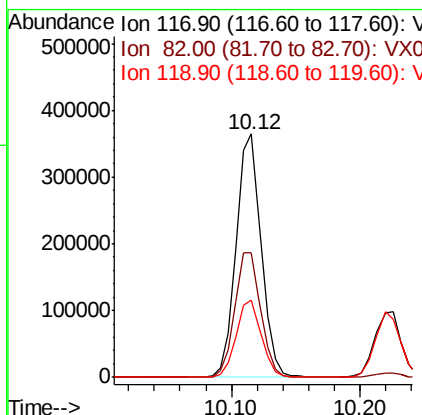
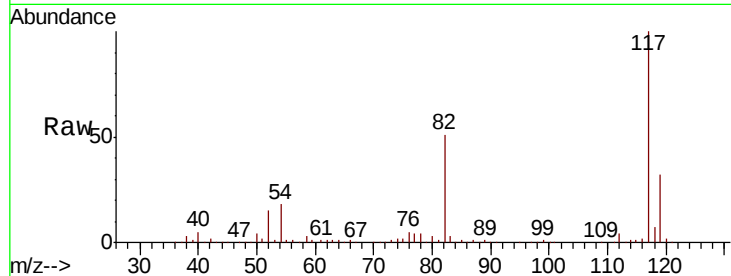
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004440.D
Acq: 10 Sep 2018 10:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.0	47.8	71.6
119	31.9	29.3	43.9

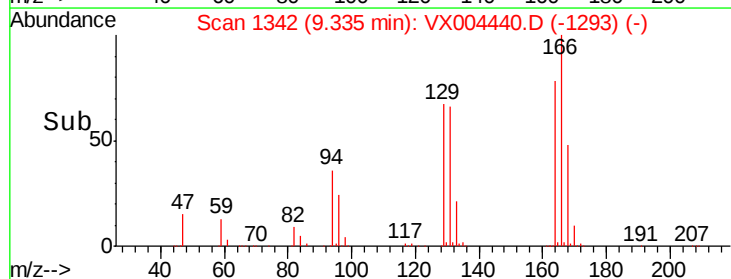
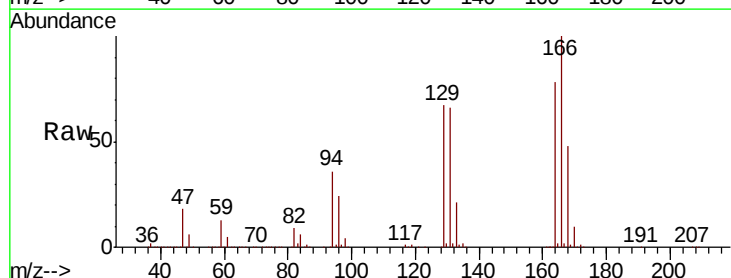
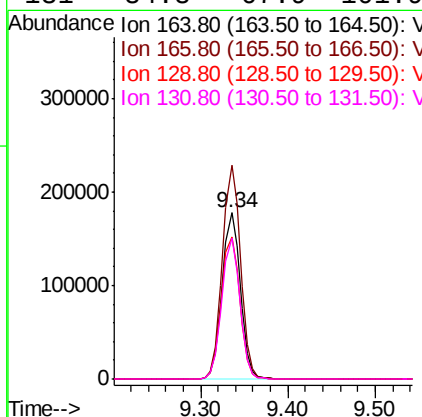
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#64
Tetrachloroethene
Concen: 52.53 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX004440.D
Acq: 10 Sep 2018 10:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.6	102.8	154.2
129	85.7	69.4	104.0
131	84.8	67.9	101.9





#65

Chlorobenzene

Concen: 47.57 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX004440.D

Acq: 10 Sep 2018 10:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 589346

Ion Ratio Lower Upper

112 100

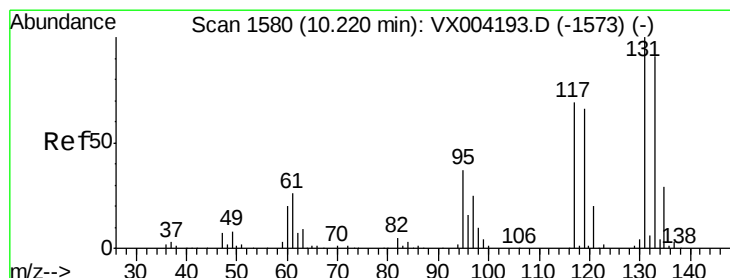
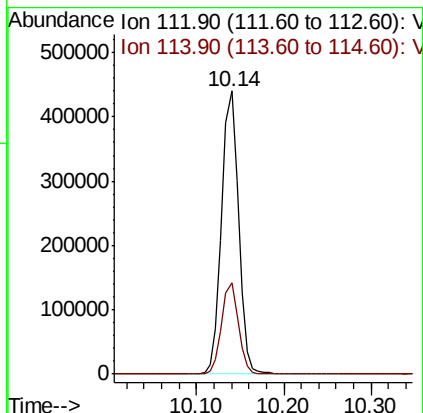
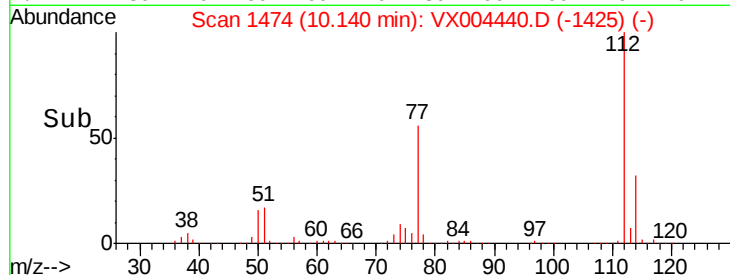
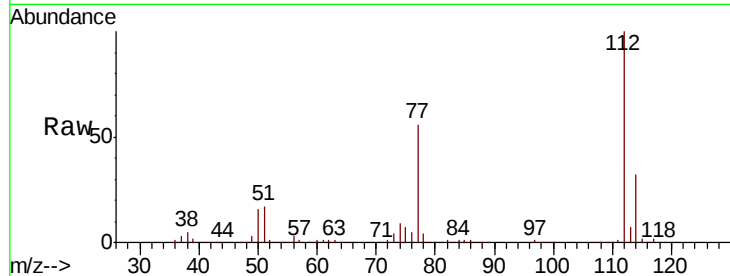
114 32.4 27.8 41.8

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 48.10 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX004440.D

Acq: 10 Sep 2018 10:42

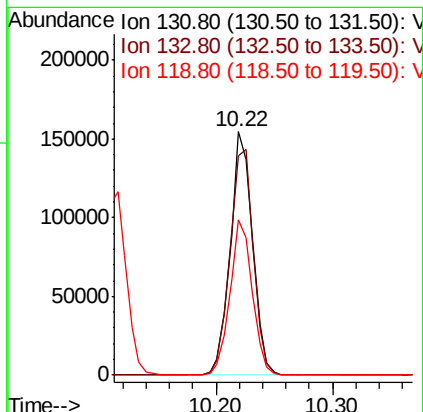
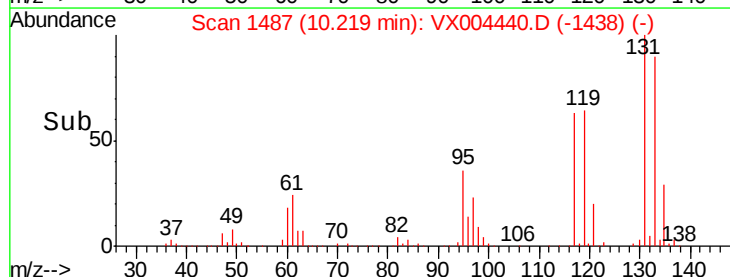
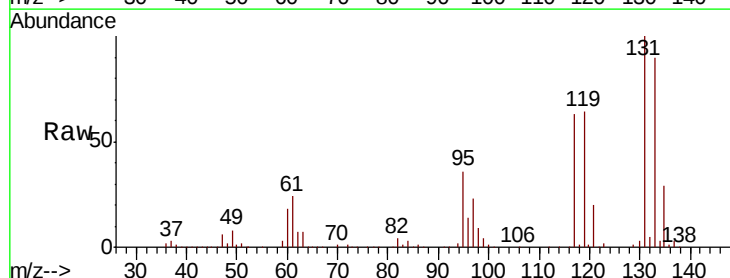
Tgt Ion:131 Resp: 205549

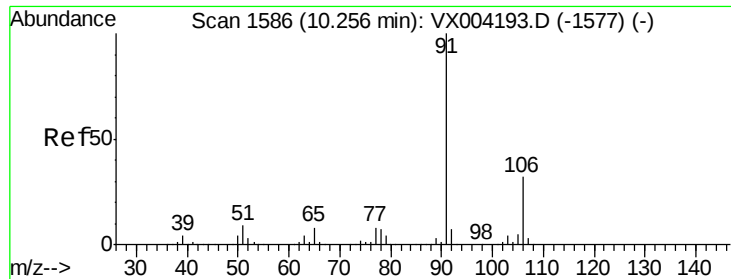
Ion Ratio Lower Upper

131 100

133 98.2 48.1 144.4

119 64.2 32.9 98.6





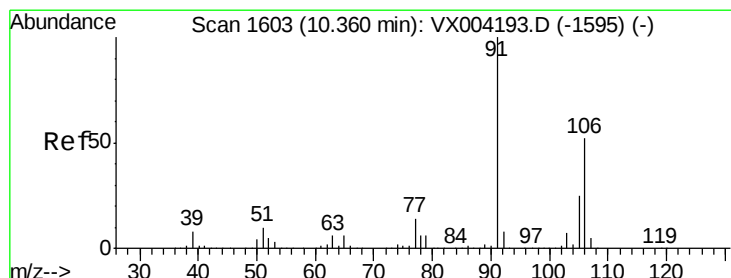
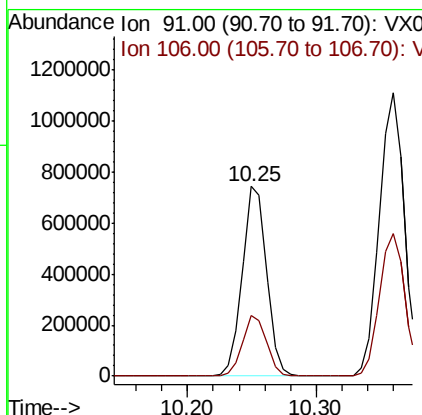
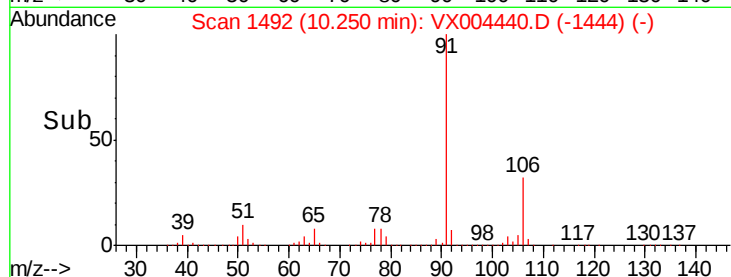
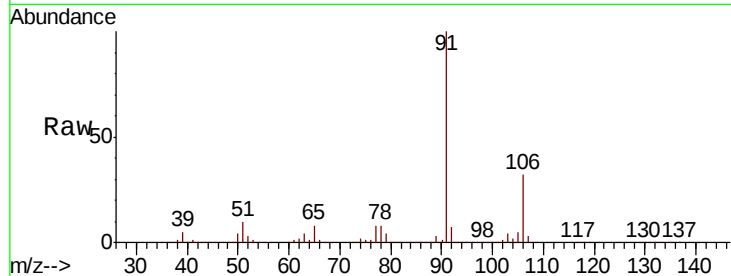
#67
Ethyl Benzene
Concen: 48.20 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VX004440.D
Acq: 10 Sep 2018 10:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 969792
Ion Ratio Lower Upper
91 100
106 31.7 25.9 38.9

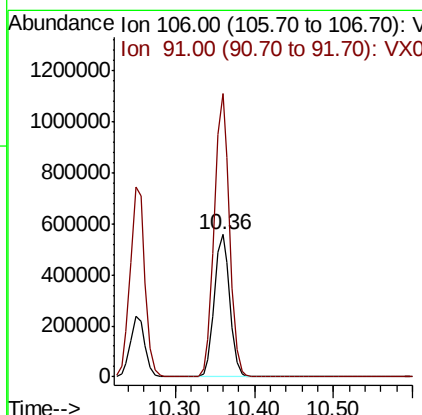
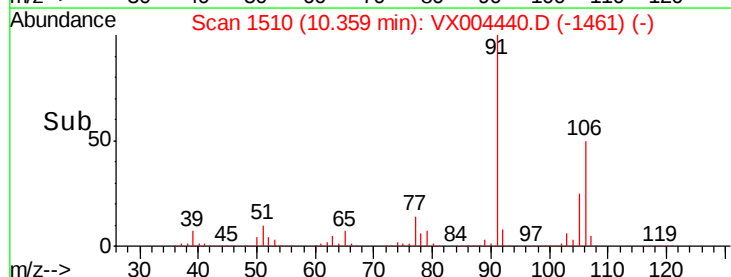
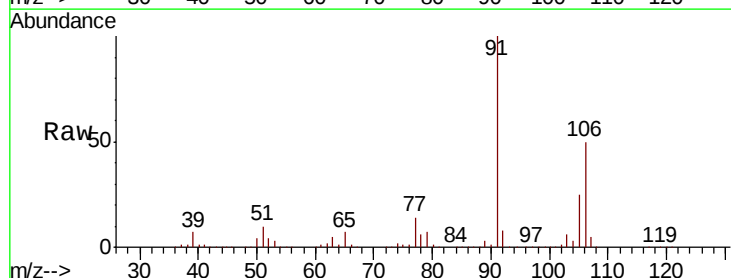
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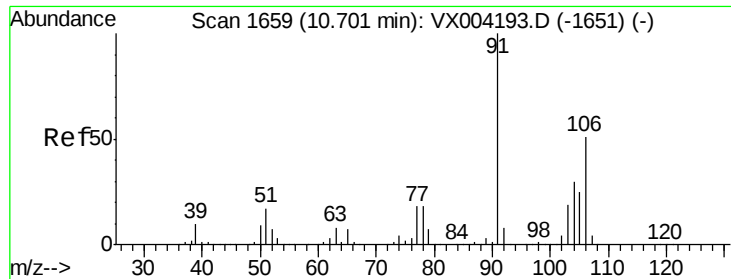
MMDadoda
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#68
m/p-Xylenes
Concen: 97.07 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX004440.D
Acq: 10 Sep 2018 10:42

Tgt Ion: 106 Resp: 763735
Ion Ratio Lower Upper
106 100
91 195.4 157.1 235.7





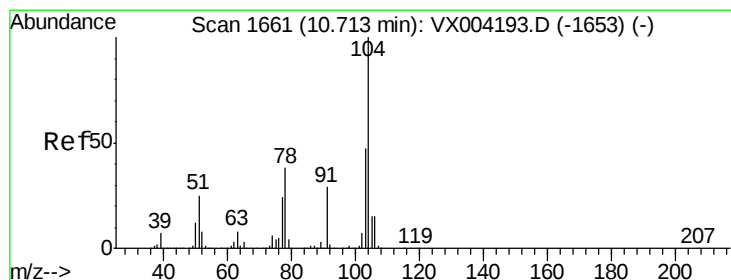
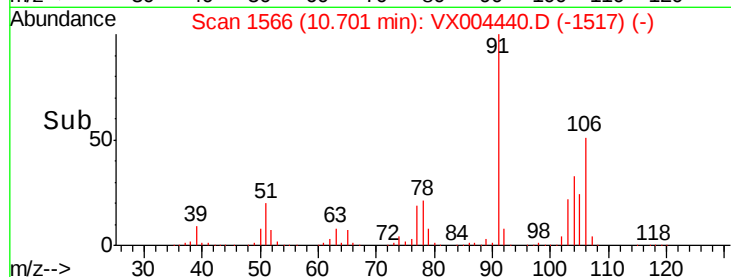
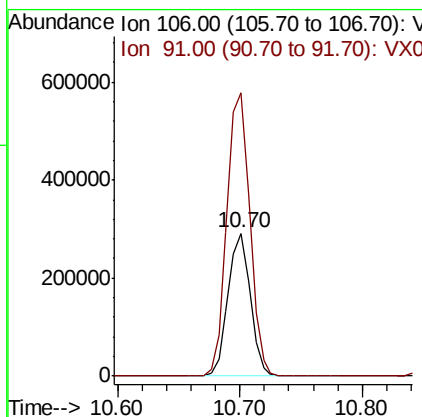
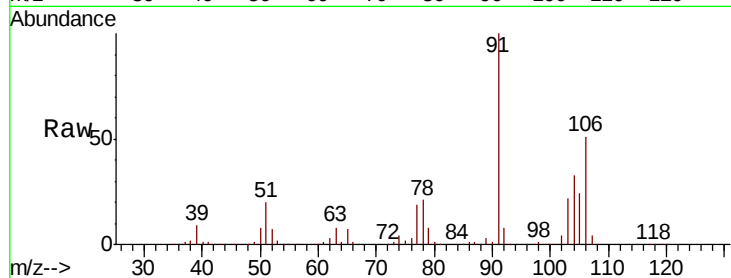
#69
o-Xylene
Concen: 49.21 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004440.D
Acq: 10 Sep 2018 10:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 366221
Ion Ratio Lower Upper
106 100
91 205.2 105.1 315.1

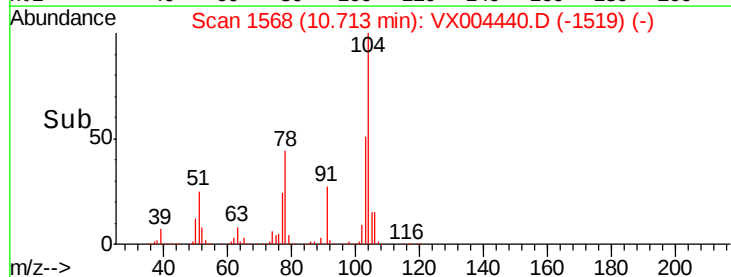
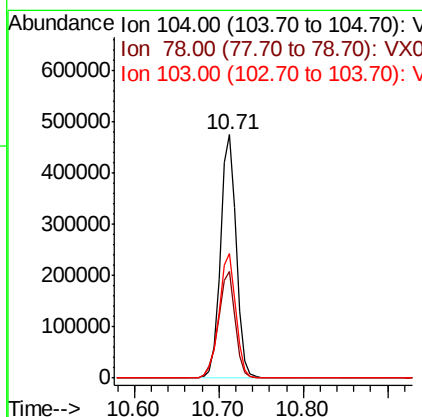
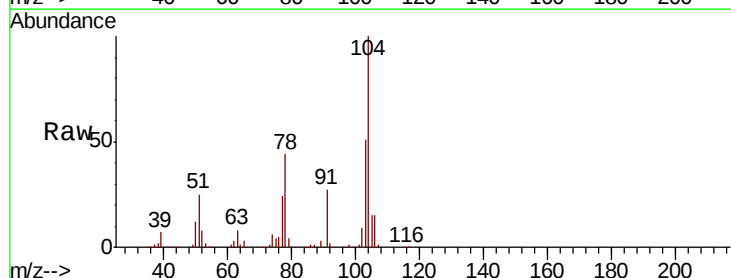
Manual Integrations
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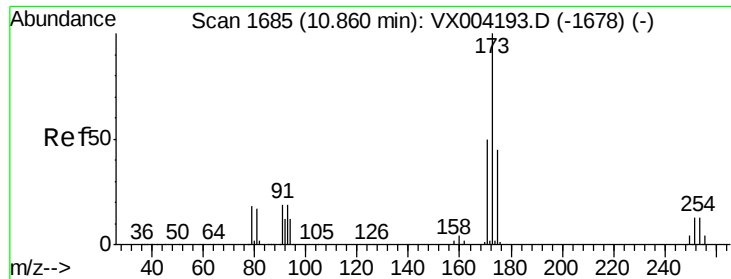
MMDadoda
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#70
Styrene
Concen: 51.04 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX004440.D
Acq: 10 Sep 2018 10:42

Tgt Ion:104 Resp: 615044
Ion Ratio Lower Upper
104 100
78 47.1 37.4 56.0
103 54.7 43.8 65.6





#71

Bromoform

Concen: 47.73 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX004440.D

Acq: 10 Sep 2018 10:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 164402

Ion Ratio Lower Upper

173 100

175 49.3 24.1 72.3

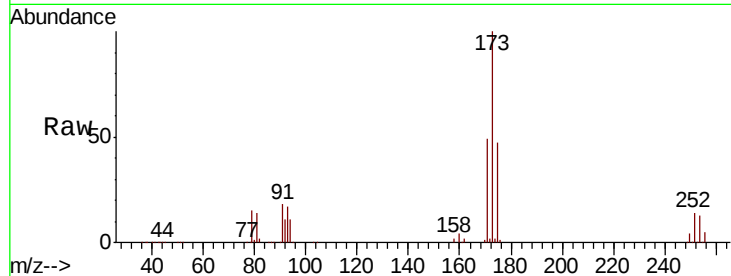
254 0.2 0.2 0.2

Manual Integrations

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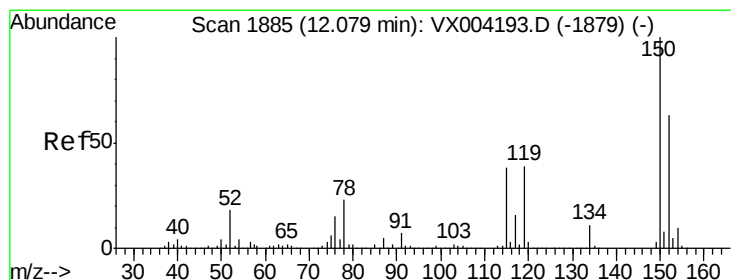
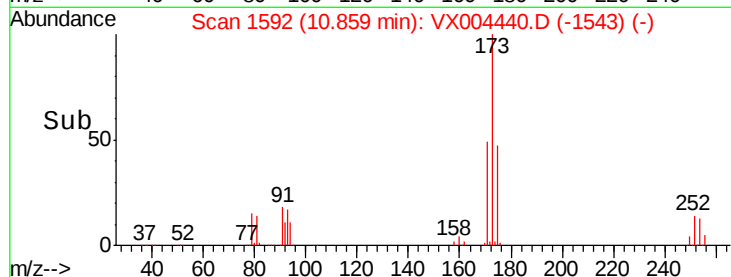
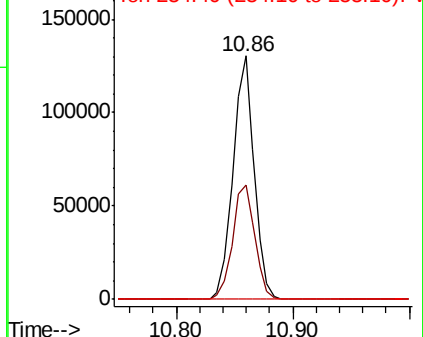
9/11/2018 3:06:42 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004440.D

Acq: 10 Sep 2018 10:42

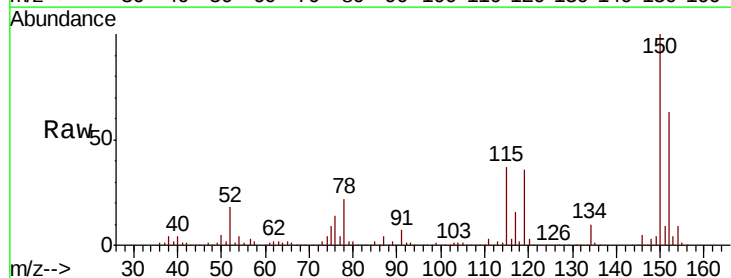
Tgt Ion:152 Resp: 314888

Ion Ratio Lower Upper

152 100

115 76.8 39.0 117.0

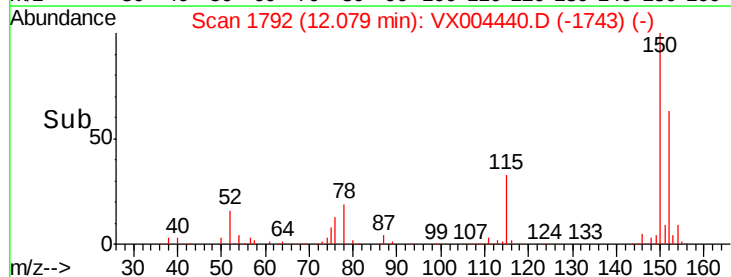
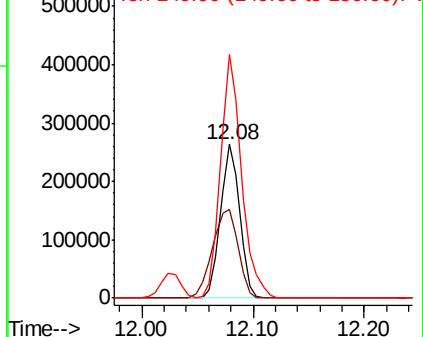
150 174.2 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





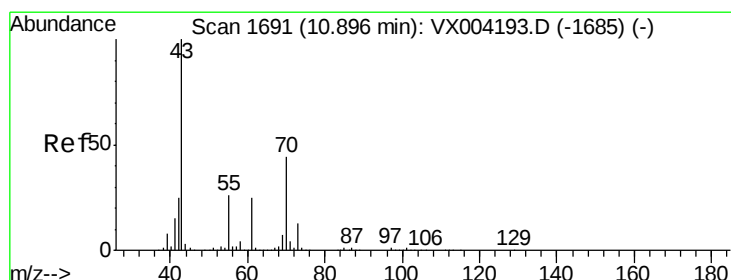
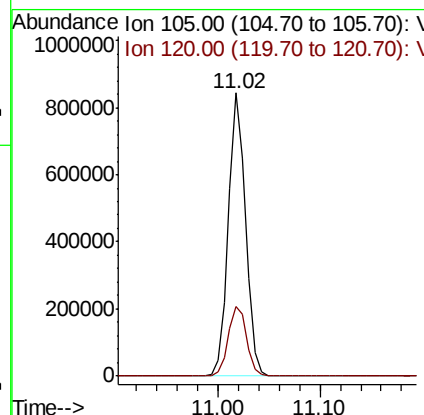
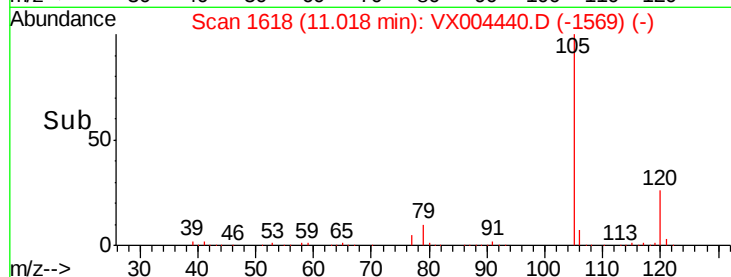
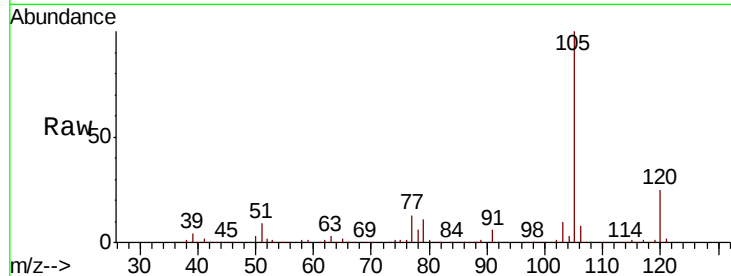
#73
Isopropylbenzene
Concen: 47.86 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX004440.D
Acq: 10 Sep 2018 10:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 105 Resp: 989883
Ion Ratio Lower Upper
105 100
120 26.3 13.5 40.4

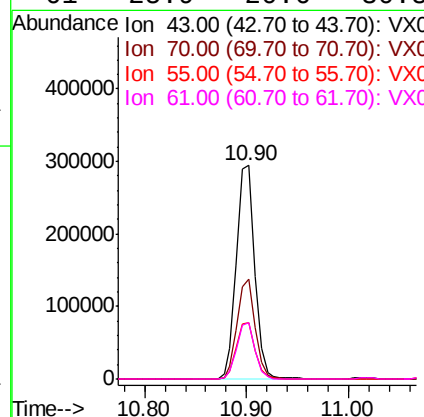
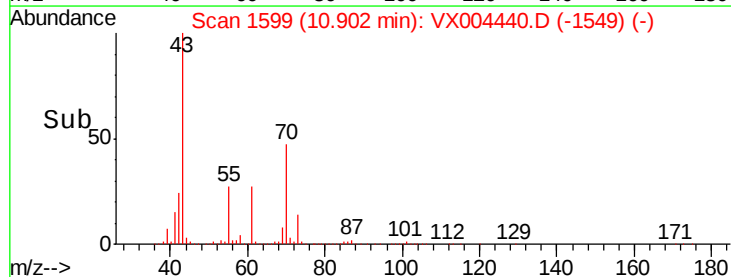
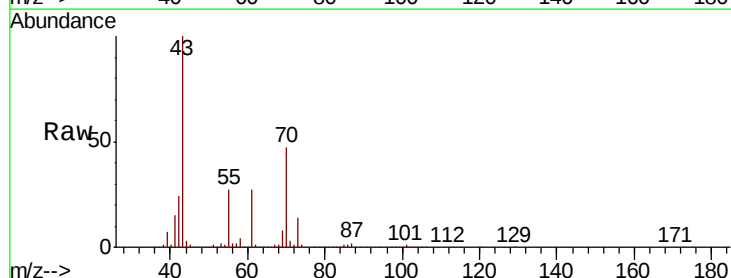
Manual Integrations
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#74
N-ethyl acetate
Concen: 45.66 ug/l
RT: 10.90 min Scan# 1599
Delta R.T. 0.01 min
Lab File: VX004440.D
Acq: 10 Sep 2018 10:42

Tgt Ion: 43 Resp: 363578
Ion Ratio Lower Upper
43 100
70 46.0 37.4 56.0
55 27.0 21.8 32.8
61 25.9 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 39.23 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX004440.D

Acq: 10 Sep 2018 10:42

Instrument :

MSVOA_X

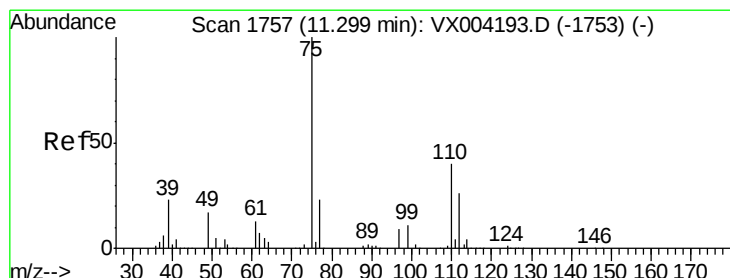
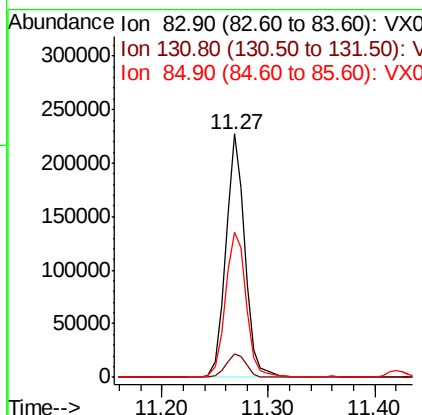
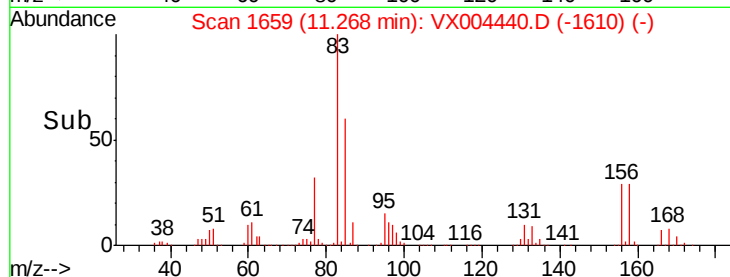
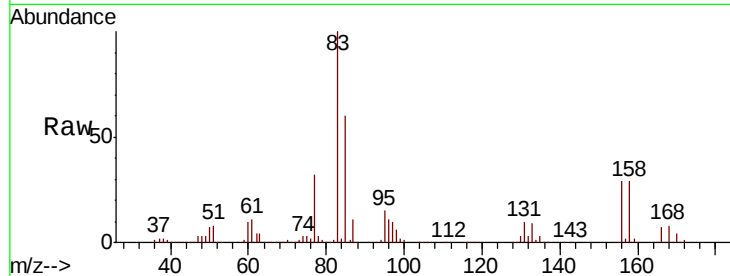
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	283939
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.2	15.6
85	65.1	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 42.31 ug/l m

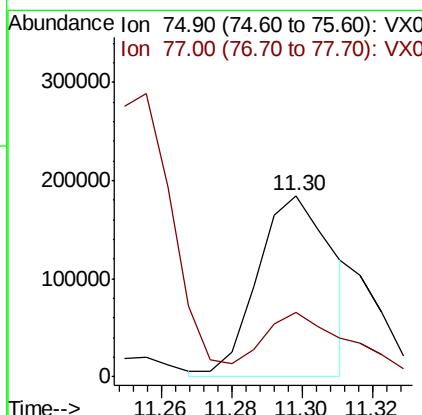
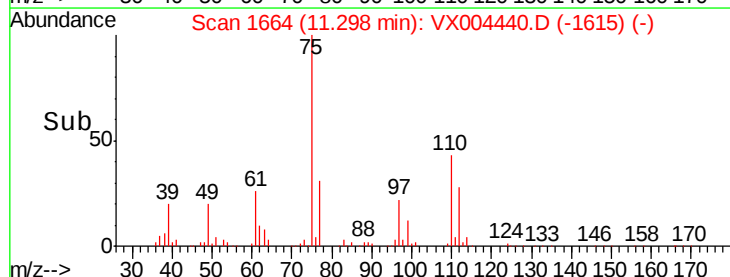
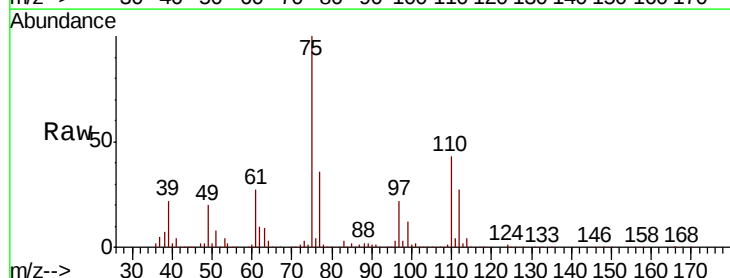
RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX004440.D

Acq: 10 Sep 2018 10:42

Tgt Ion:	75	Resp:	270936
Ion Ratio	Lower	Upper	
75	100		
77	41.3	20.2	60.6





#77

Bromobenzene

Concen: 43.49 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX004440.D

Acq: 10 Sep 2018 10:42

Instrument :

MSVOA_X

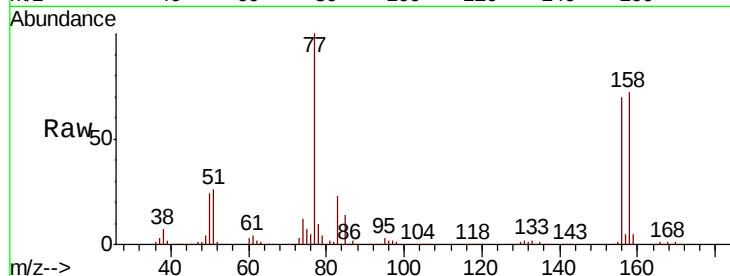
ClientSampleId :

VSTDCCC050

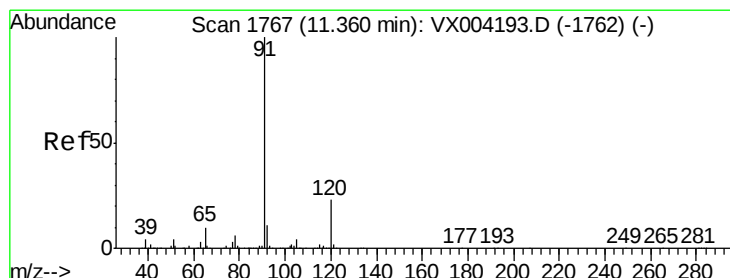
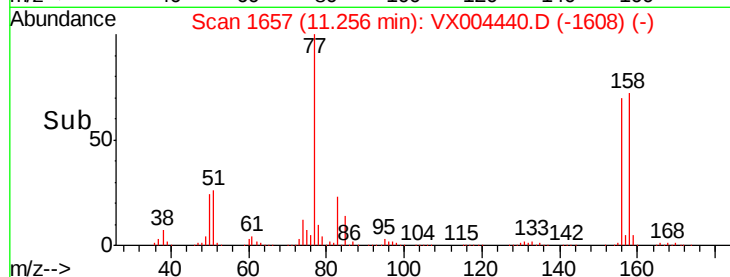
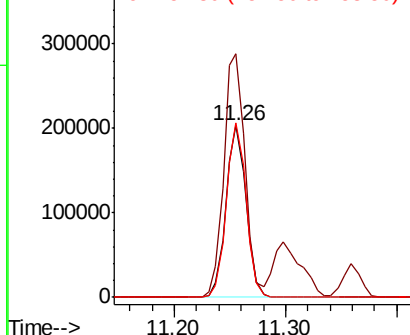
Tot Ion:	156	Resp:	252330
Ion Ratio	Lower	Upper	
156	100		
77	149.8	71.5	214.3
158	100.9	48.9	146.8

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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: 46.89 ug/l

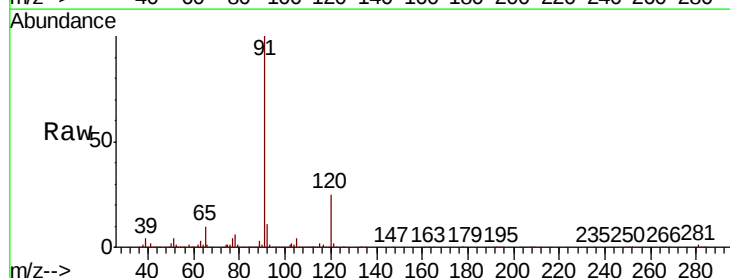
RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

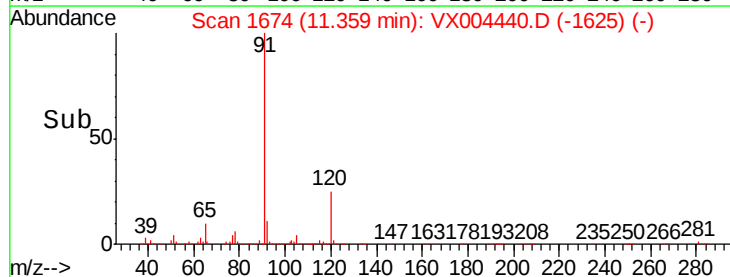
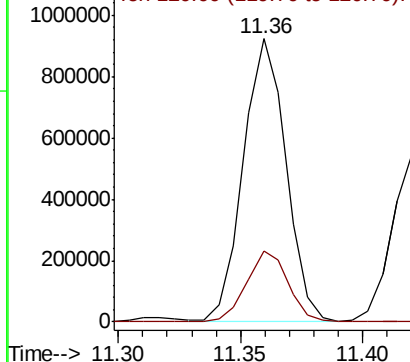
Lab File: VX004440.D

Acq: 10 Sep 2018 10:42

Tgt Ion:	91	Resp:	1115331
Ion Ratio	Lower	Upper	
91	100		
120	24.5	11.9	35.9



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





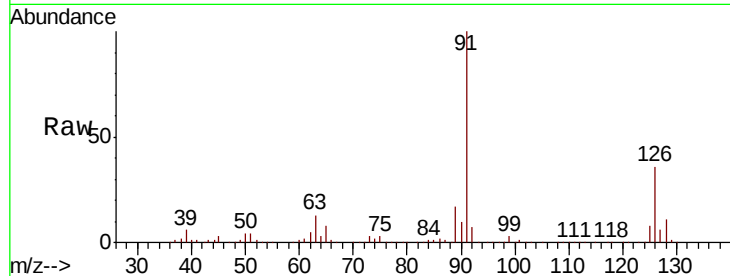
#79
 2-Chlorotoluene
 Concen: 45.62 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX004440.D
 Acq: 10 Sep 2018 10:42

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

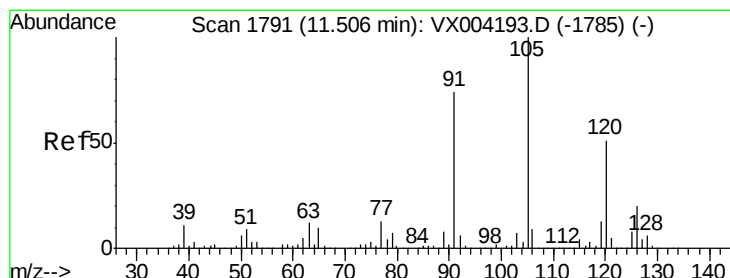
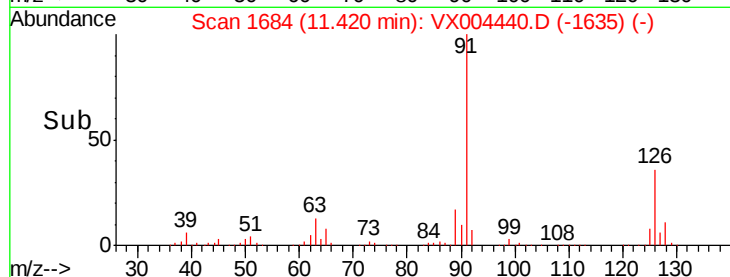
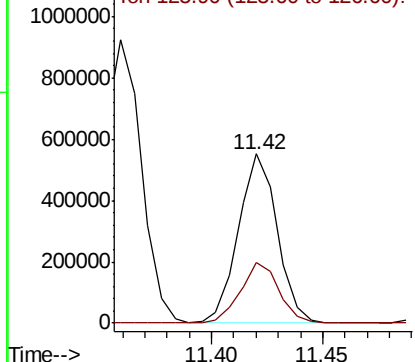
Tot Ion: 91 Resp: 667909
 Ion Ratio Lower Upper
 91 100
 126 36.0 17.9 53.7

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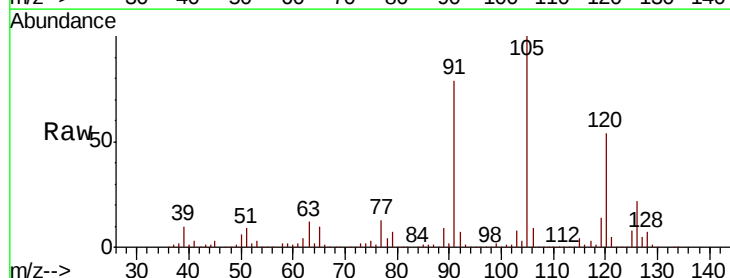


Abundance Ion 91.00 (90.70 to 91.70): VX0
 Ion 125.90 (125.60 to 126.60): V

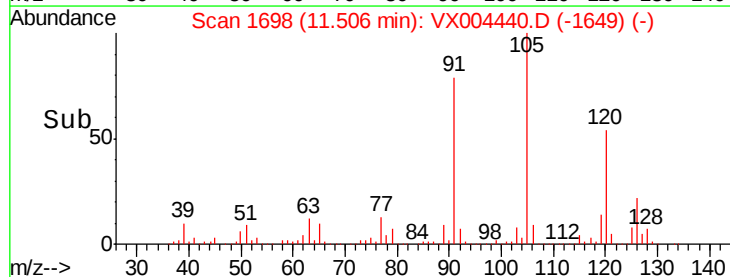
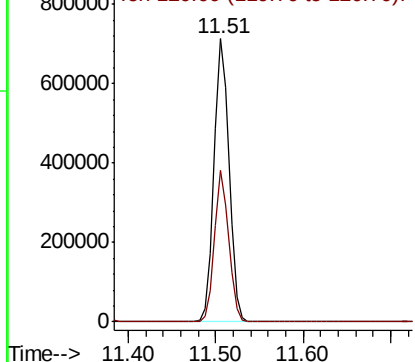


#80
 1,3,5-Trimethylbenzene
 Concen: 49.71 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX004440.D
 Acq: 10 Sep 2018 10:42

Tgt Ion:105 Resp: 851306
 Ion Ratio Lower Upper
 105 100
 120 50.8 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 45.63 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX004440.D

Acq: 10 Sep 2018 10:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 90068

Ion Ratio Lower Upper

75 100

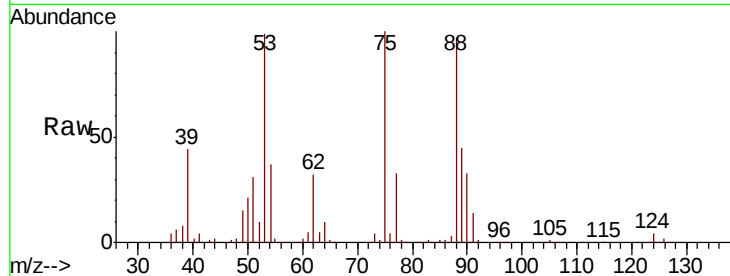
53 96.6 80.1 120.1

89 54.0 37.2 55.8

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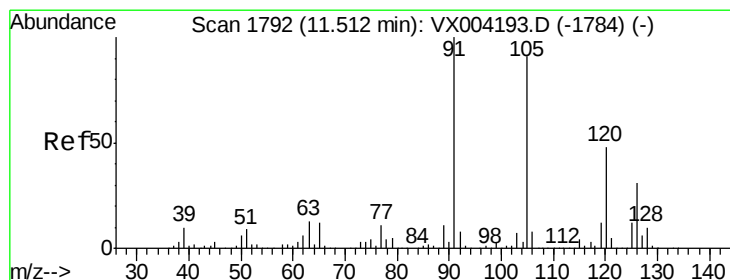
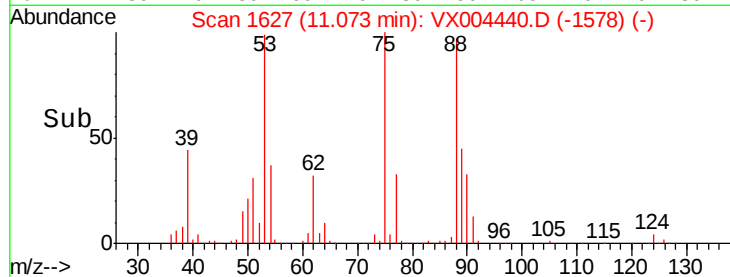
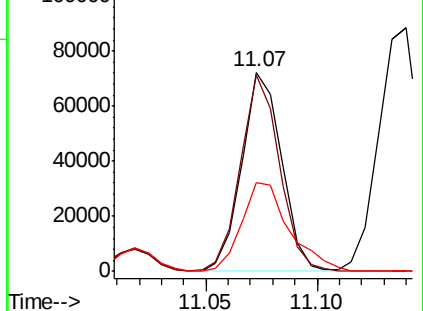
9/11/2018 3:06:42 PM



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: 47.40 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX004440.D

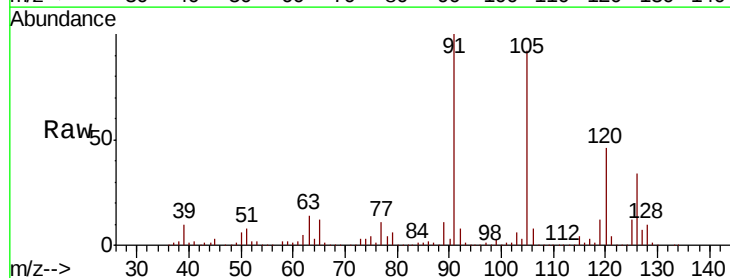
Acq: 10 Sep 2018 10:42

Tgt Ion: 91 Resp: 816658

Ion Ratio Lower Upper

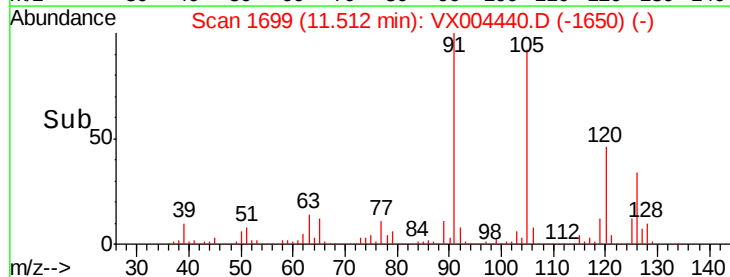
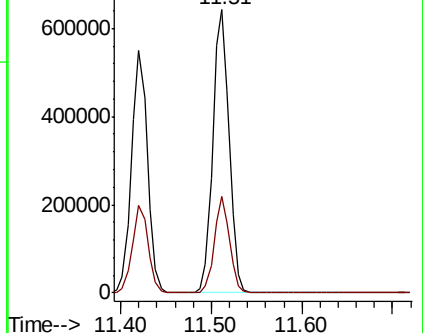
91 100

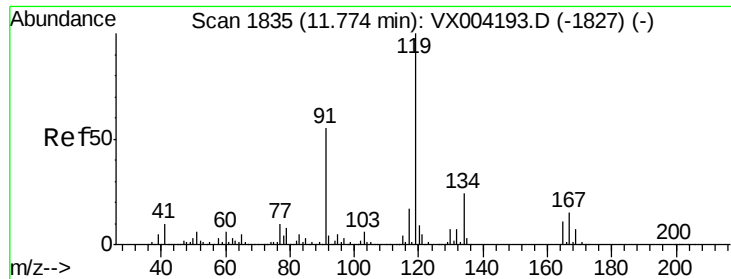
126 31.7 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





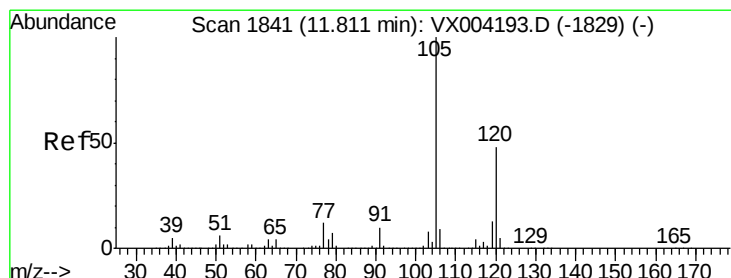
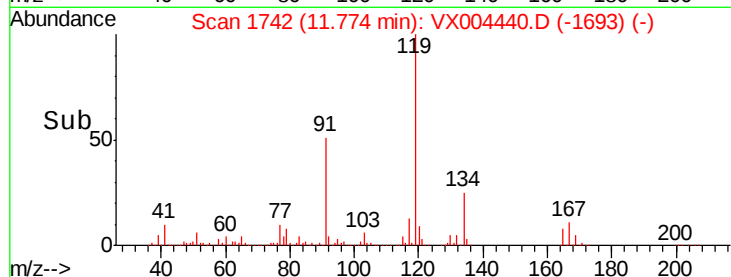
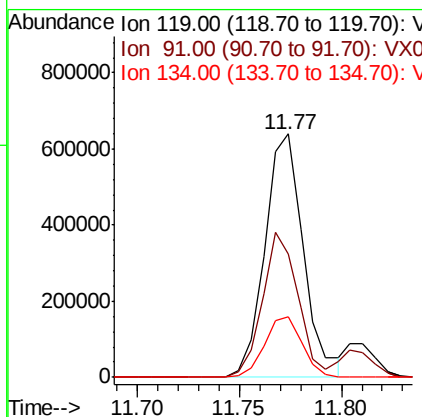
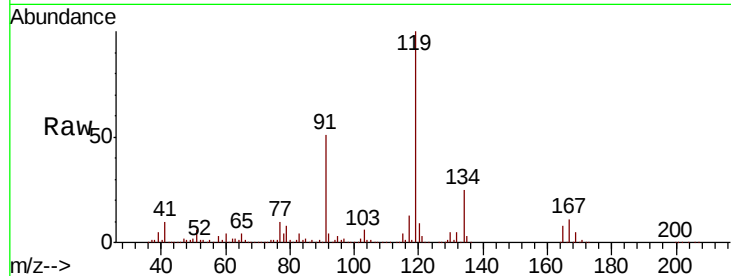
#83
tert-Butylbenzene
Concen: 48.90 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX004440.D
Acq: 10 Sep 2018 10:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	842695		
91	54.9		27.0	81.0
134	24.2		11.7	35.1

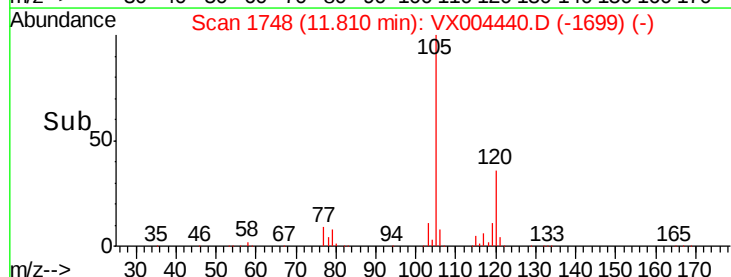
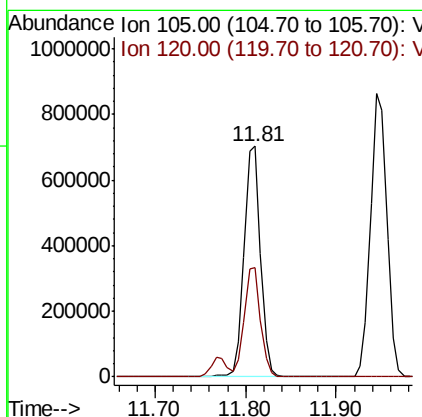
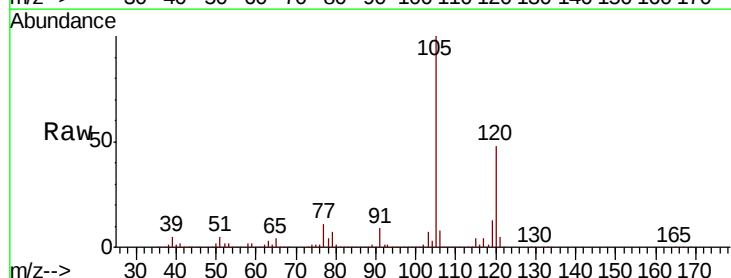
Manual Integrations
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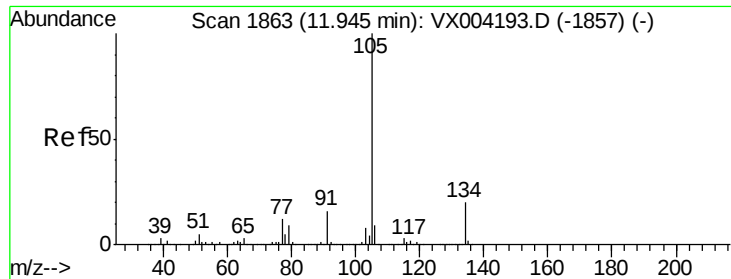
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#84
1,2,4-Trimethylbenzene
Concen: 50.17 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VX004440.D
Acq: 10 Sep 2018 10:42

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	881959		
120	46.7		23.2	69.6





#85

sec-Butylbenzene

Concen: 53.03 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX004440.D

Acq: 10 Sep 2018 10:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1084975

Ion Ratio Lower Upper

105 100

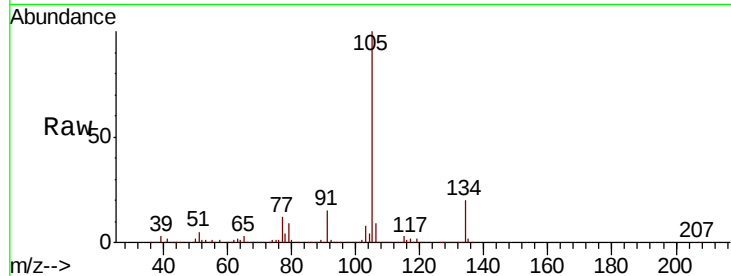
134 21.0 10.5 31.5

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

800000

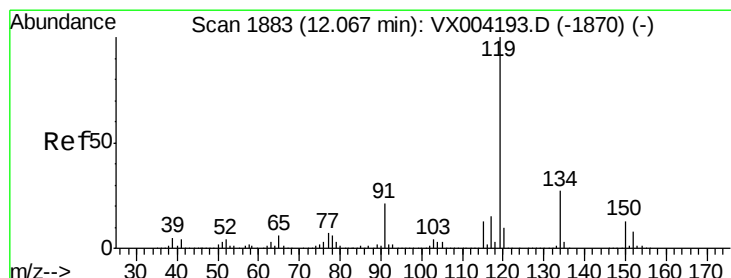
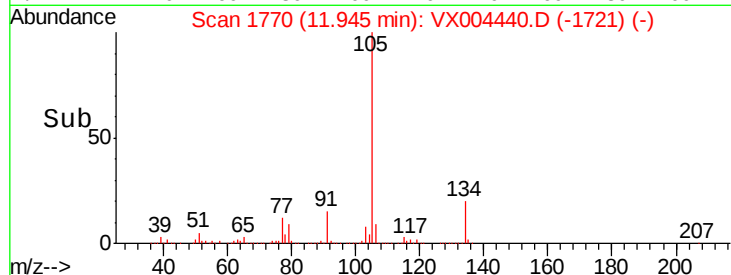
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 53.93 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX004440.D

Acq: 10 Sep 2018 10:42

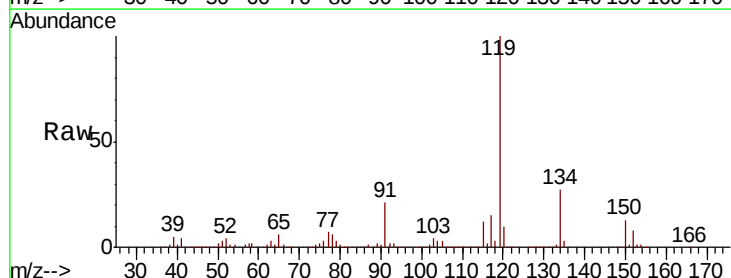
Tgt Ion:119 Resp: 988788

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

91 21.3 10.9 32.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.07

1000000

800000

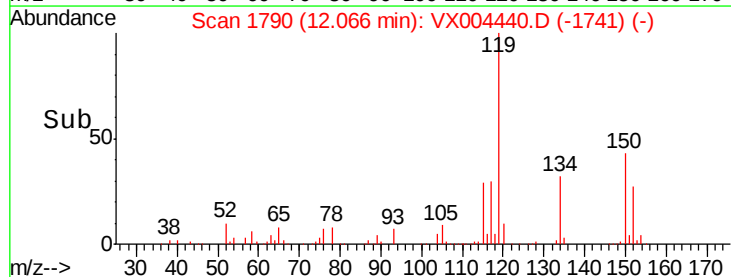
600000

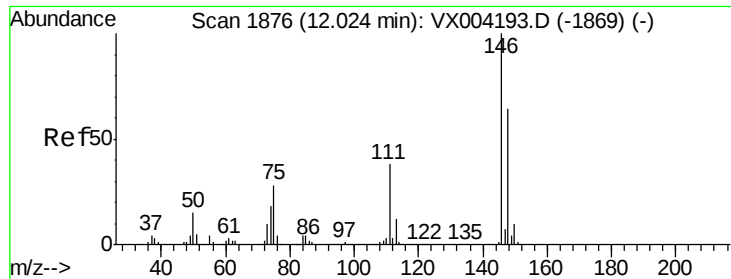
400000

200000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 47.24 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX004440.D

Acq: 10 Sep 2018 10:42

Instrument :

MSVOA_X

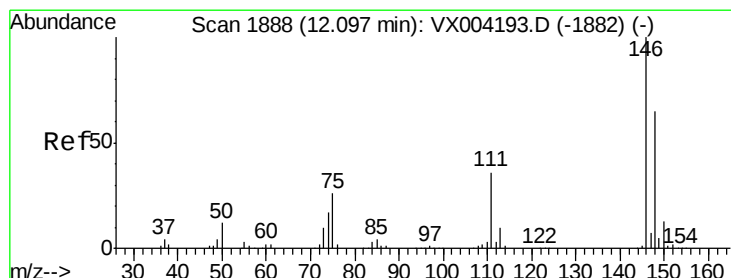
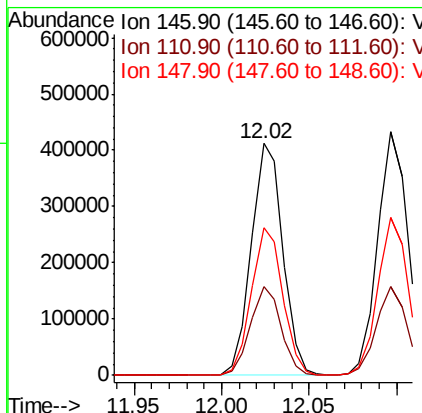
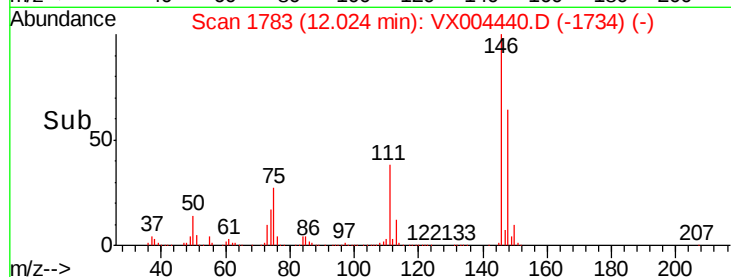
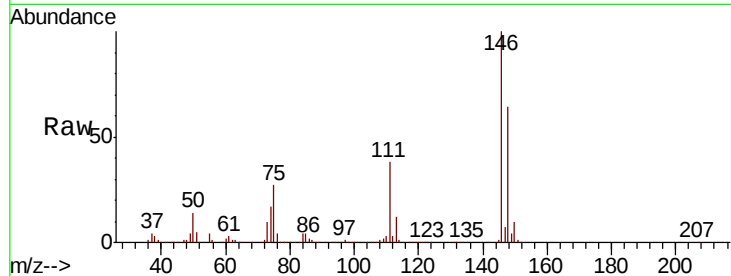
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	516001
Ion Ratio	Lower	Upper	
146	100		
111	37.4	18.7	56.1
148	63.6	32.1	96.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 45.37 ug/l

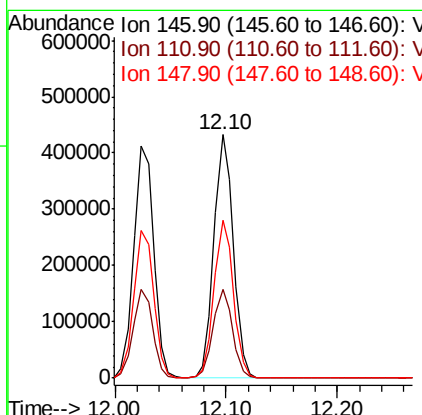
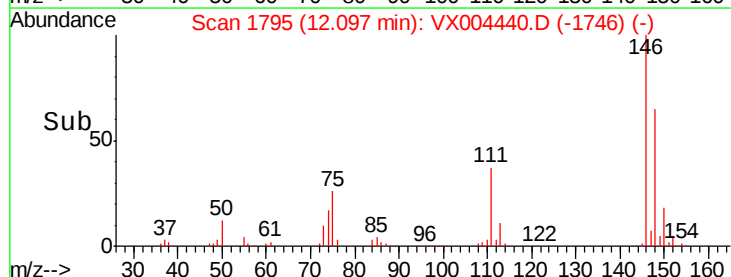
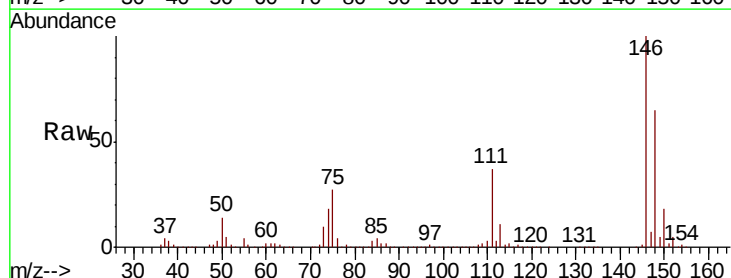
RT: 12.10 min Scan# 1795

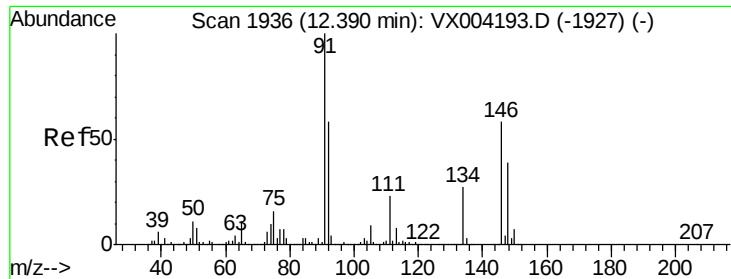
Delta R.T. -0.00 min

Lab File: VX004440.D

Acq: 10 Sep 2018 10:42

Tgt Ion:	146	Resp:	522468
Ion Ratio	Lower	Upper	
146	100		
111	36.8	18.1	54.1
148	64.6	32.0	96.0





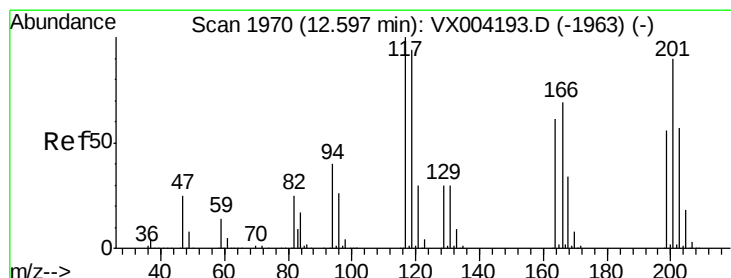
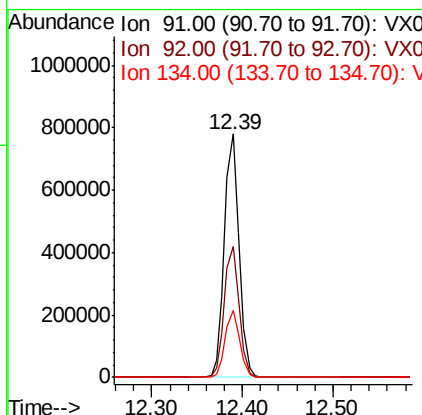
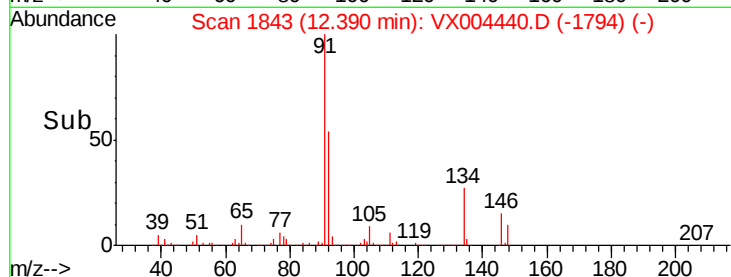
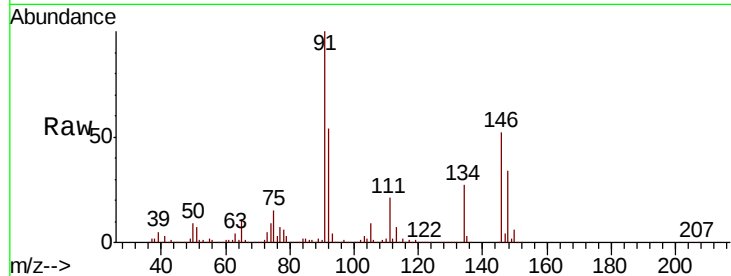
#89
n-Butylbenzene
Concen: 58.99 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004440.D
Acq: 10 Sep 2018 10:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.3	81.9
134	27.2	13.6	40.7

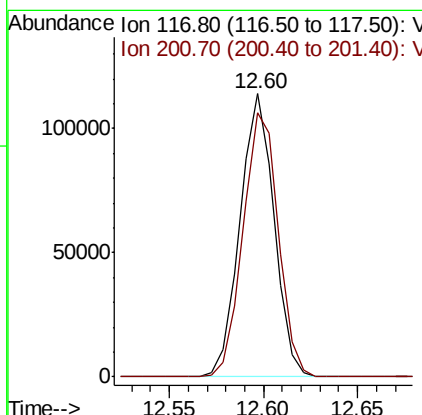
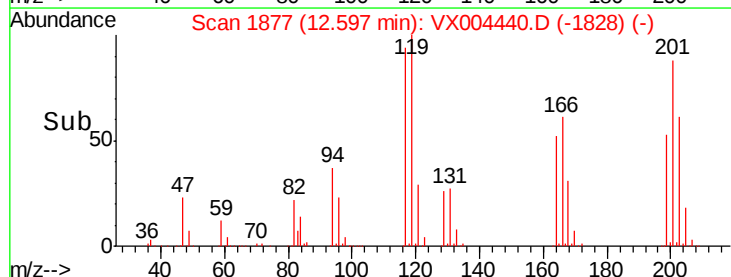
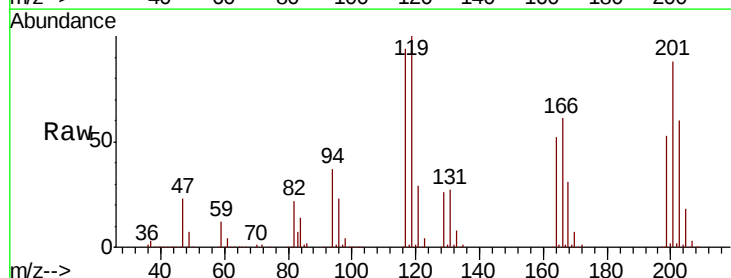
Manual Integrations
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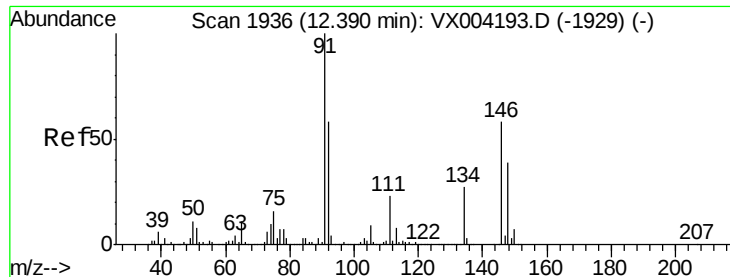
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#90
Hexachloroethane
Concen: 55.63 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX004440.D
Acq: 10 Sep 2018 10:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.7	46.9	140.6





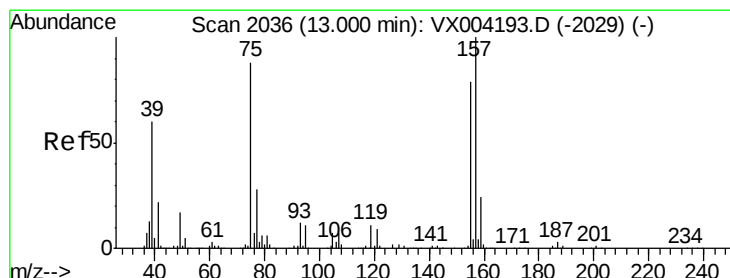
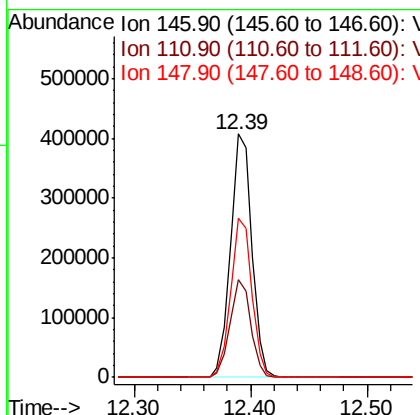
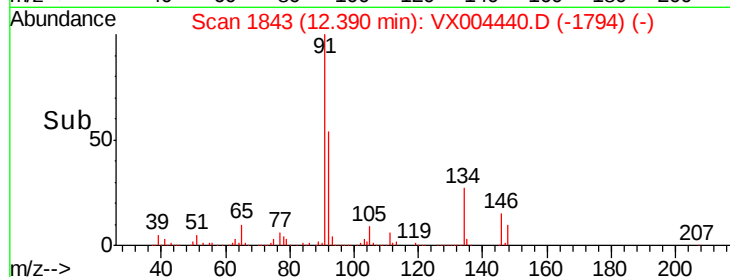
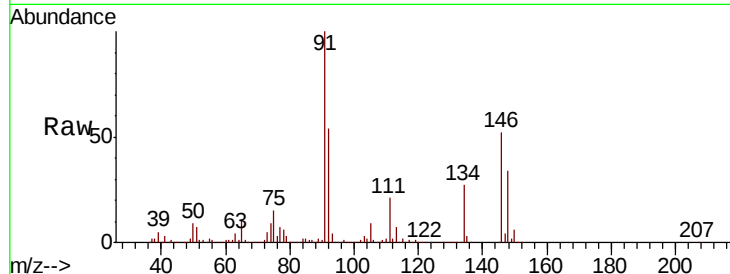
#91
 1,2-Dichlorobenzene
 Concen: 52.12 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX004440.D
 Acq: 10 Sep 2018 10:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.4	58.1
148	64.5	32.8	98.3

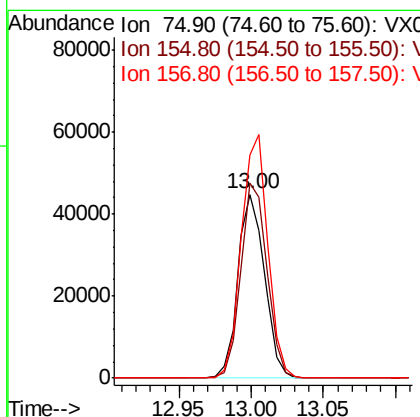
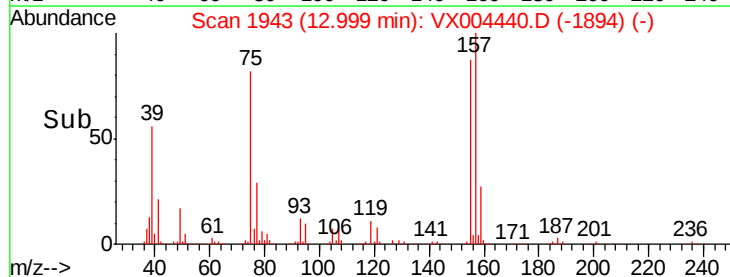
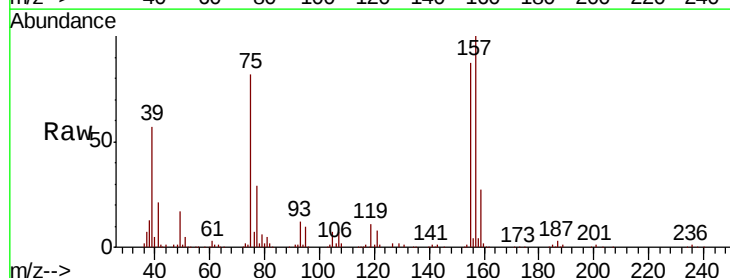
Manual Integrations
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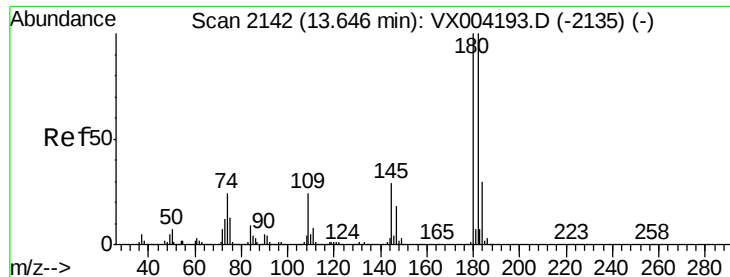
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 9/11/2018 3:06:42 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.04 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX004440.D
 Acq: 10 Sep 2018 10:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.6	48.0	144.2
157	131.2	61.4	184.1





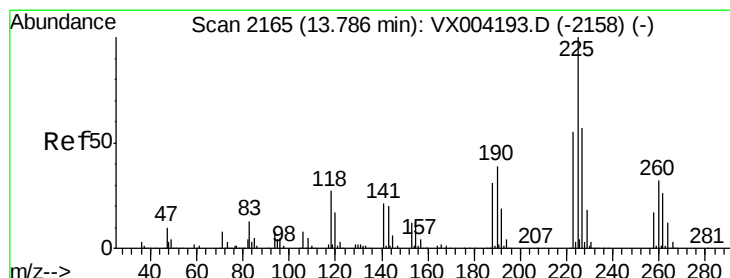
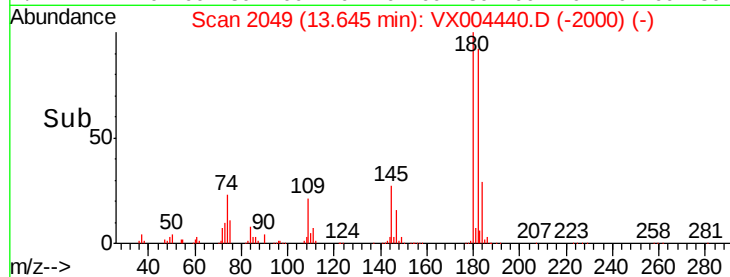
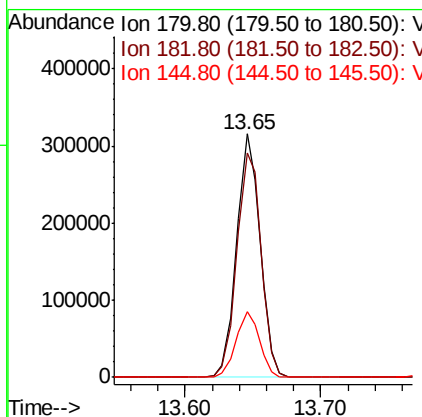
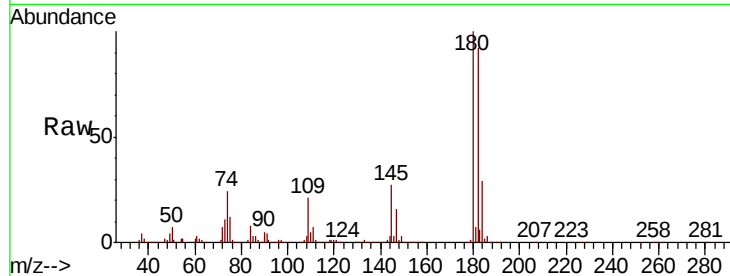
#93
 1,2,4-Trichlorobenzene
 Concen: 51.82 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX004440.D
 Acq: 10 Sep 2018 10:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	376366		
182	95.5	48.4	145.0	
145	27.2	14.3	42.9	

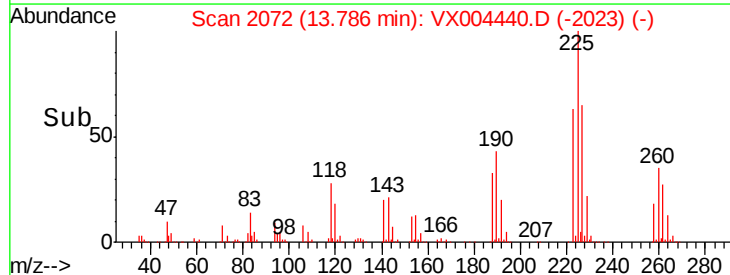
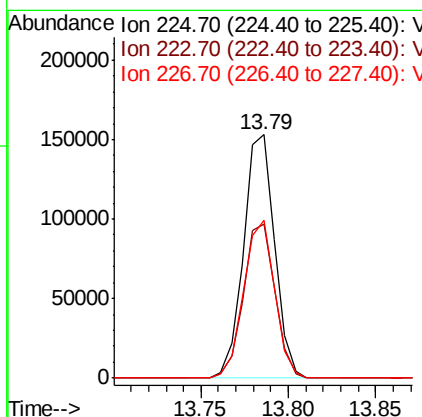
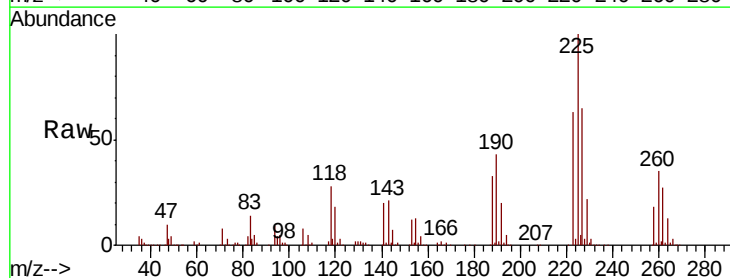
Manual Integrations
 APPROVED

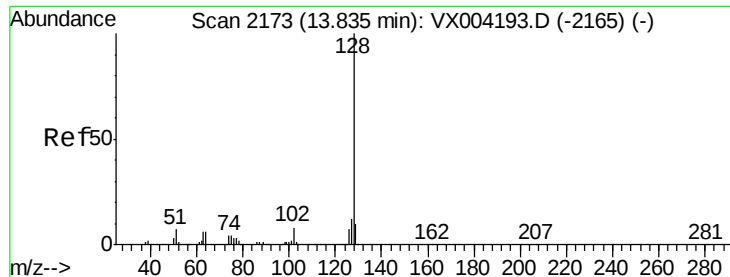
MMDadoda
 9/11/2018 3:06:42 PM



#94
 Hexachlorobutadiene
 Concen: 55.93 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX004440.D
 Acq: 10 Sep 2018 10:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	188942		
223	64.2	30.1	90.5	
227	64.7	30.8	92.4	





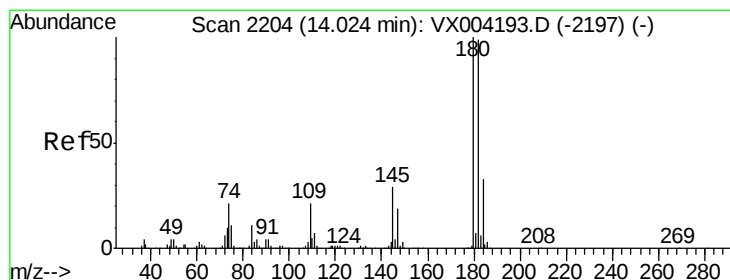
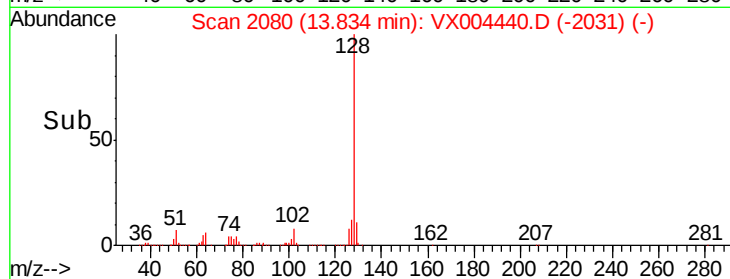
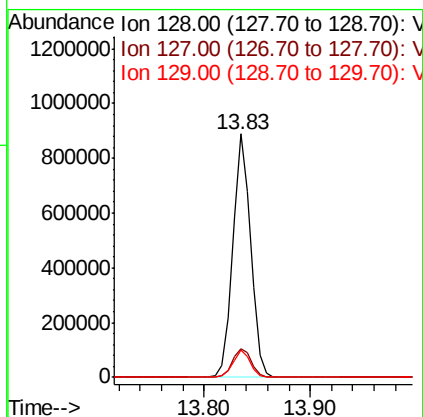
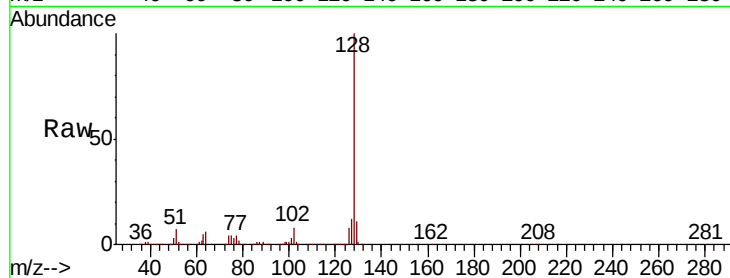
#95
Naphthalene
Concen: 50.80 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX004440.D
Acq: 10 Sep 2018 10:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.2
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/11/2018 3:06:42 PM



#96
1,2,3-Trichlorobenzene
Concen: 49.42 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.01 min
Lab File: VX004440.D
Acq: 10 Sep 2018 10:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.7	48.5	145.6
145	29.0	14.9	44.9

