

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082718\
 Data File : VX004259.D
 Acq On : 27 Aug 2018 11:39
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/28/2018 3:54:15 PM

Quant Time: Aug 27 16:28:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 14:20:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	339710	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	480277	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	457967	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	282161	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	212034	47.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.78%	
35) Dibromofluoromethane	5.50	113	181817	50.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.78%	
50) Toluene-d8	8.71	98	681261	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
62) 4-Bromofluorobenzene	11.13	95	252446	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	188147	47.82	ug/l	98
3) Chloromethane	1.32	50	188287	43.34	ug/l	99
4) Vinyl Chloride	1.40	62	201968	45.38	ug/l	98
5) Bromomethane	1.64	94	91292	41.26	ug/l	99
6) Chloroethane	1.72	64	131842	45.24	ug/l	98
7) Trichlorofluoromethane	1.92	101	278282	45.62	ug/l	97
8) Diethyl Ether	2.18	74	125738	48.14	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	176264	46.14	ug/l	99
10) Methyl Iodide	2.51	142	175120	41.42	ug/l	99
11) Tert butyl alcohol	3.06	59	221262	234.43	ug/l	100
12) 1,1-Dichloroethene	2.37	96	162050	45.03	ug/l	97
13) Acrolein	2.29	56	57387	252.20	ug/l	100
14) Allyl chloride	2.72	41	306471	46.35	ug/l	99
15) Acrylonitrile	3.14	53	529274	226.44	ug/l	100
16) Acetone	2.44	43	431728	238.49	ug/l	100
17) Carbon Disulfide	2.57	76	447836	44.89	ug/l	100
18) Methyl Acetate	2.78	43	334307	50.88	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	576417	48.60	ug/l	100
20) Methylene Chloride	2.86	84	190731	44.75	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	177192	44.48	ug/l	98
22) Diisopropyl ether	3.87	45	589158	47.72	ug/l	98
23) Vinyl Acetate	3.82	43	2419008	241.76	ug/l	100
24) 1,1-Dichloroethane	3.69	63	332919	46.27	ug/l	100
25) 2-Butanone	4.70	43	696836	234.70	ug/l	97
26) 2,2-Dichloropropane	4.58	77	264416	46.86	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	209282	46.32	ug/l	96
28) Bromochloromethane	5.01	49	153020	48.04	ug/l	98
29) Tetrahydrofuran	5.15	42	443801	233.29	ug/l	100
30) Chloroform	5.21	83	331157	45.91	ug/l	99
31) Cyclohexane	5.57	56	290884	46.86	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	279444	46.46	ug/l	100
36) 1,1-Dichloropropene	5.79	75	252605	46.78	ug/l	99
37) Ethyl Acetate	4.85	43	257392	48.47	ug/l	99
38) Carbon Tetrachloride	5.78	117	243661	47.97	ug/l	96

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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	304050	49.32	ug/l	98
40) Benzene	6.14	78	767721	47.59	ug/l	99
41) Methacrylonitrile	5.06	41	152317	49.49	ug/l	99
42) 1,2-Dichloroethane	6.20	62	261934	47.60	ug/l	100
43) Isopropyl Acetate	6.46	43	412548	50.56	ug/l	100
44) Trichloroethene	7.21	130	207206	46.40	ug/l	90
45) 1,2-Dichloropropane	7.51	63	197427	48.89	ug/l	100
46) Dibromomethane	7.66	93	129268	48.08	ug/l	99
47) Bromodichloromethane	7.90	83	251886	50.35	ug/l	99
48) Methyl methacrylate	7.77	41	221750	50.79	ug/l	99
49) 1,4-Dioxane	7.75	88	94793	956.25	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	1382965	233.27	ug/l	99
52) Toluene	8.79	92	489494	48.47	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	291965	52.84	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	314904	52.32	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	202600	49.70	ug/l	99
56) Ethyl methacrylate	9.18	69	297507	53.61	ug/l	100
57) 1,3-Dichloropropane	9.37	76	338392	49.24	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	784320	275.81	ug/l	100
59) 2-Hexanone	9.49	43	1060084	234.38	ug/l	100
60) Dibromochloromethane	9.59	129	206994	52.11	ug/l	100
61) 1,2-Dibromoethane	9.67	107	211931	50.23	ug/l	99
64) Tetrachloroethene	9.34	164	203362	44.95	ug/l	95
65) Chlorobenzene	10.14	112	524524	45.64	ug/l	92
66) 1,1,1,2-Tetrachloroethane	10.23	131	185200	46.72	ug/l	97
67) Ethyl Benzene	10.25	91	874266	46.84	ug/l	96
68) m/p-Xylenes	10.36	106	701759	96.15	ug/l	96
69) o-Xylene	10.70	106	324814	47.05	ug/l	97
70) Styrene	10.71	104	544546	48.71	ug/l	98
71) Bromoform	10.86	173	148486	46.47	ug/l	99
73) Isopropylbenzene	11.02	105	884522	47.73	ug/l	95
74) N-amyl acetate	10.90	43	340481	47.72	ug/l	# 91
75) 1,1,2,2-Tetrachloroethane	11.27	83	291551	44.96	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	259700m	46.89	ug/l	
77) Bromobenzene	11.26	156	237514	45.69	ug/l	96
78) n-propylbenzene	11.36	91	1030394	48.34	ug/l	99
79) 2-Chlorotoluene	11.42	91	604938	46.11	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	754145	49.14	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	88910	50.27	ug/l	97
82) 4-Chlorotoluene	11.51	91	700547	45.38	ug/l	95
83) tert-Butylbenzene	11.77	119	775202	50.20	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	806599	51.20	ug/l	99
85) sec-Butylbenzene	11.94	105	947297	51.67	ug/l	99
86) p-Isopropyltoluene	12.07	119	880030	53.57	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	474840	48.51	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	484793	47.10	ug/l	99
89) n-Butylbenzene	12.39	91	726584	54.39	ug/l	99
90) Hexachloroethane	12.60	117	120708	52.57	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	473408	52.92	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	56782	49.71	ug/l	99

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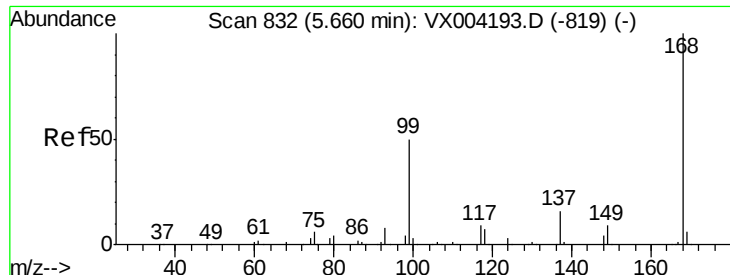
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	310038	47.64	ug/l	100
94) Hexachlorobutadiene	13.78	225	149583	49.40	ug/l	98
95) Naphthalene	13.83	128	942119	51.18	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	335133	48.64	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. 0.00 min

Lab File: VX004259.D

Acq: 27 Aug 2018 11:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 339710

Ion Ratio Lower Upper

168 100

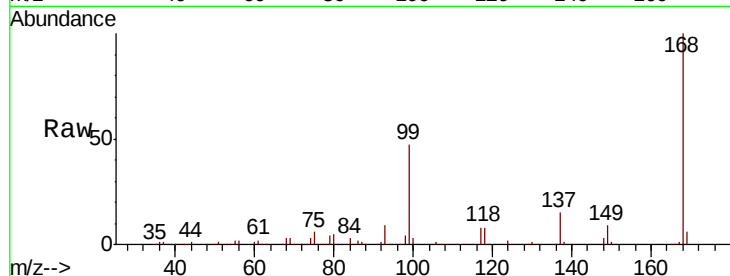
99 46.9 40.1 60.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

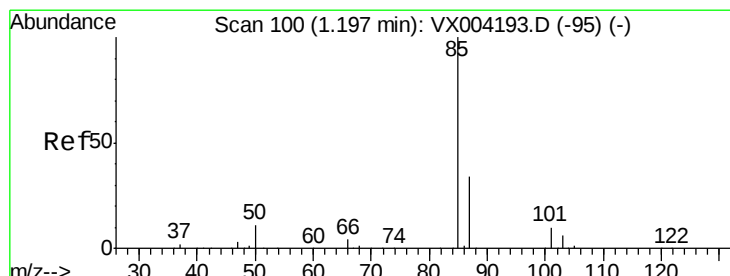
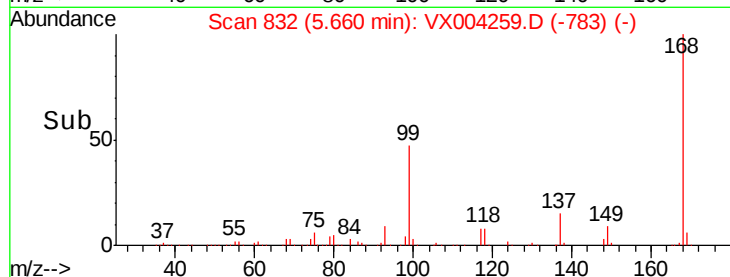
5.66

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.82 ug/l

RT: 1.19 min Scan# 99

Delta R.T. -0.01 min

Lab File: VX004259.D

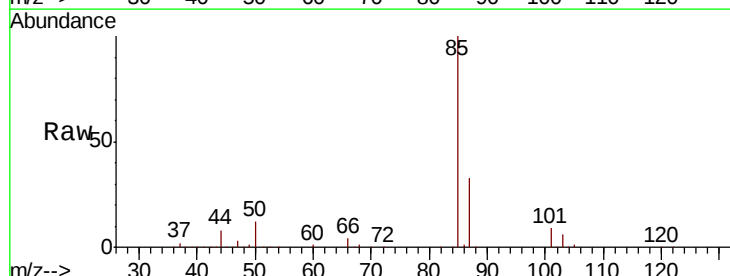
Acq: 27 Aug 2018 11:39

Tgt Ion: 85 Resp: 188147

Ion Ratio Lower Upper

85 100

87 32.9 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

200000

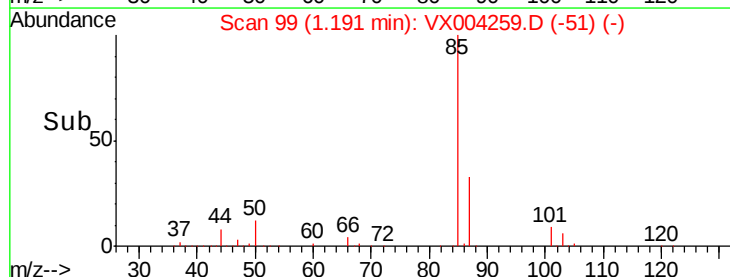
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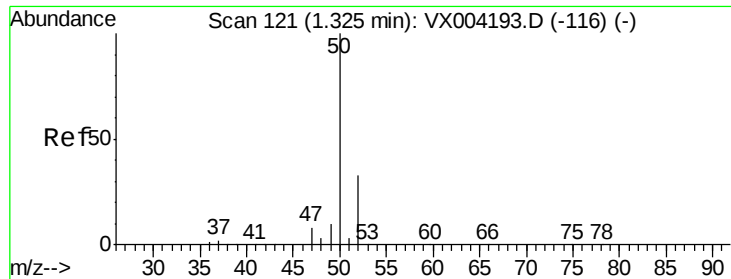
100000

50000

0

Time-->





#3

Chloromethane

Concen: 43.34 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX004259.D

Acq: 27 Aug 2018 11:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 188287

Ion Ratio Lower Upper

50 100

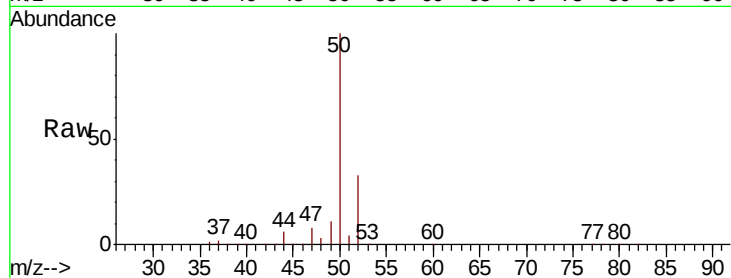
52 32.7 26.6 39.8

Manual Integrations

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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

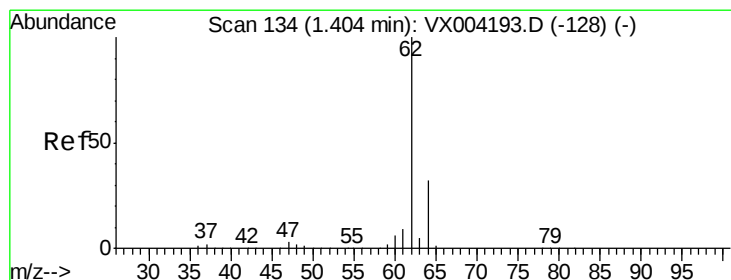
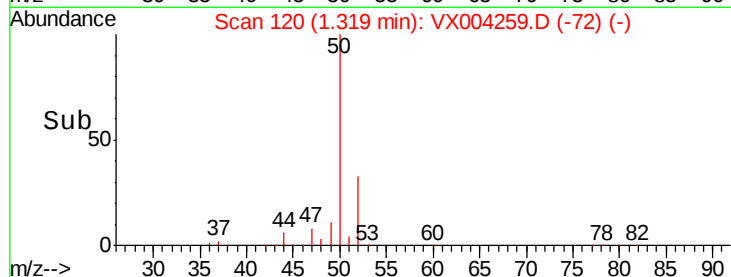
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 45.38 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX004259.D

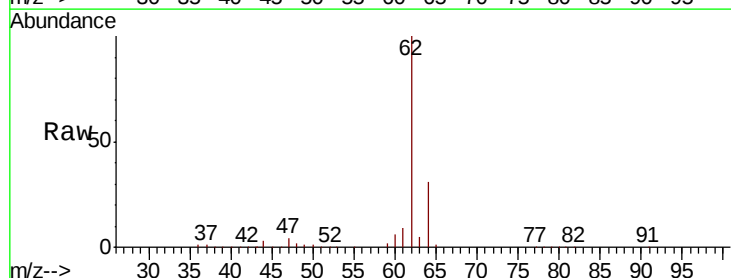
Acq: 27 Aug 2018 11:39

Tgt Ion: 62 Resp: 201968

Ion Ratio Lower Upper

62 100

64 31.2 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

200000

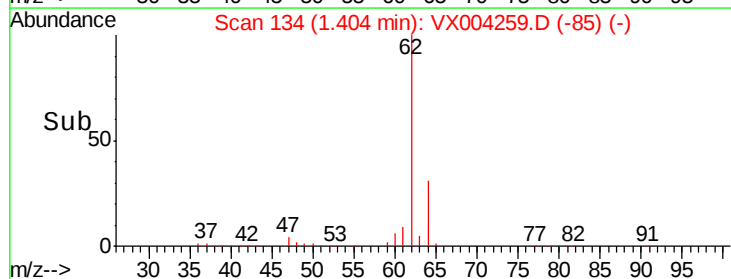
150000

100000

50000

0

Time-->





#5

Bromomethane

Concen: 41.26 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004259.D

Acq: 27 Aug 2018 11:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 91292

Ion Ratio Lower Upper

94 100

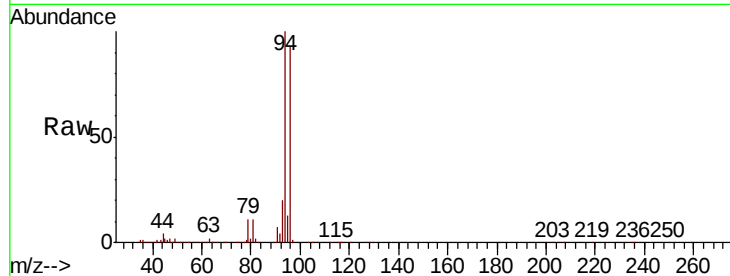
96 93.2 75.2 112.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

100000

80000

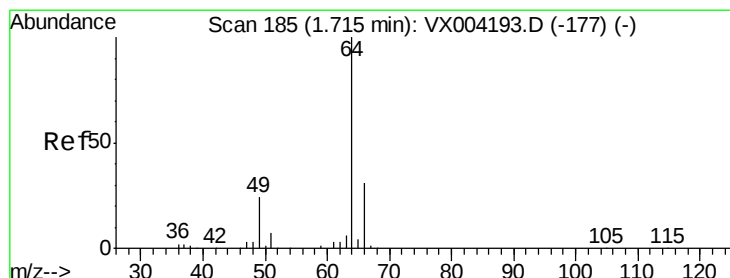
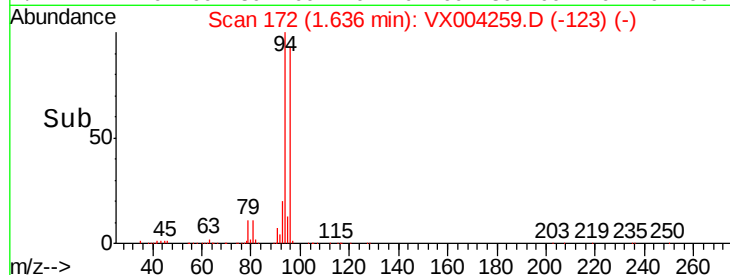
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 45.24 ug/l

RT: 1.72 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX004259.D

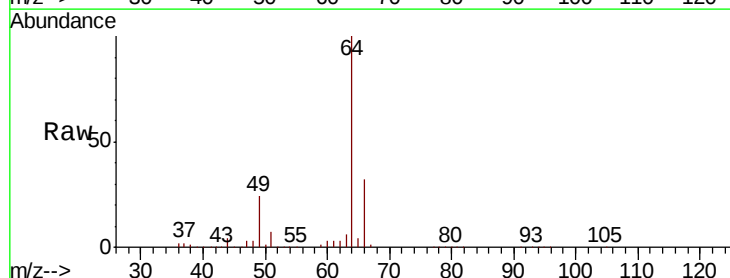
Acq: 27 Aug 2018 11:39

Tgt Ion: 64 Resp: 131842

Ion Ratio Lower Upper

64 100

66 32.0 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

100000

80000

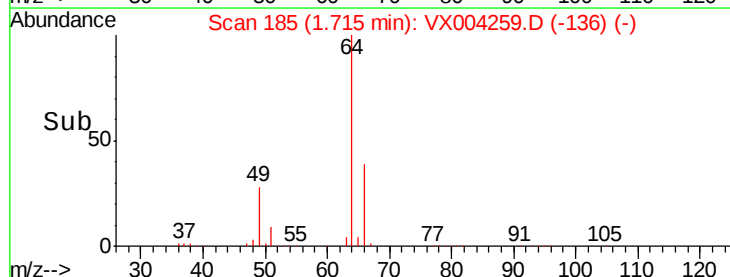
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40000

20000

0

Time-->





#7

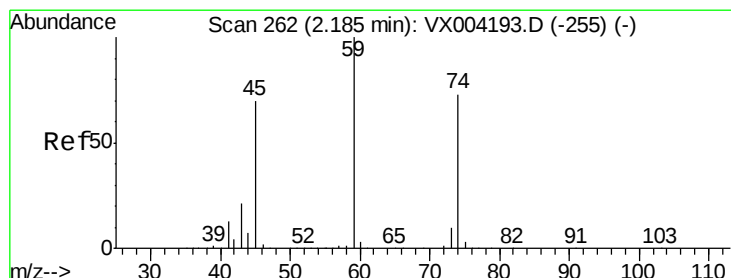
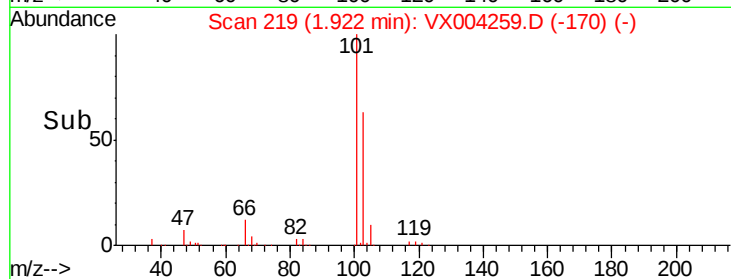
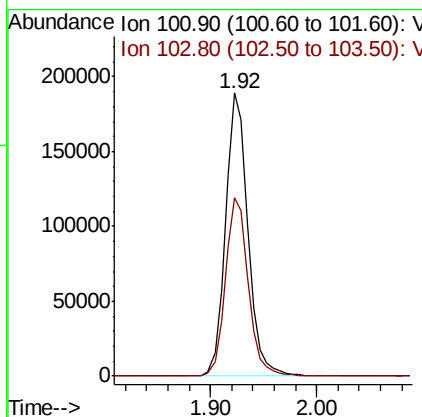
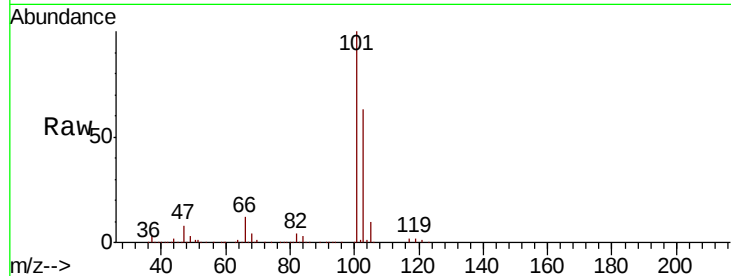
Trichlorofluoromethane
 Concen: 45.62 ug/l
 RT: 1.92 min Scan# 219
 Delta R.T. 0.00 min
 Lab File: VX004259.D
 Acq: 27 Aug 2018 11:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	52.3	78.5

Manual Integrations
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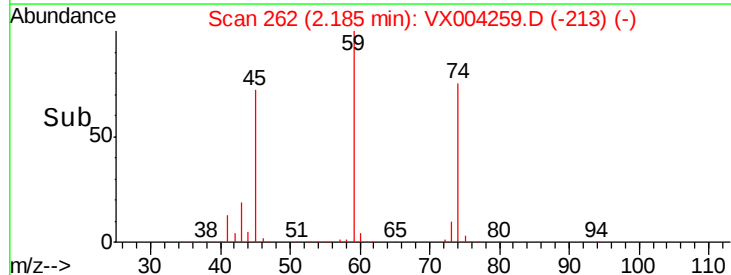
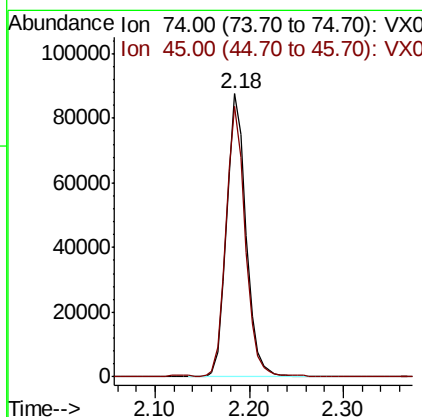
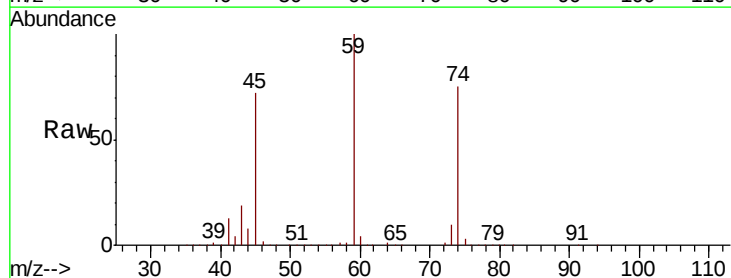
MMDadoda
 8/28/2018 3:54:15 PM

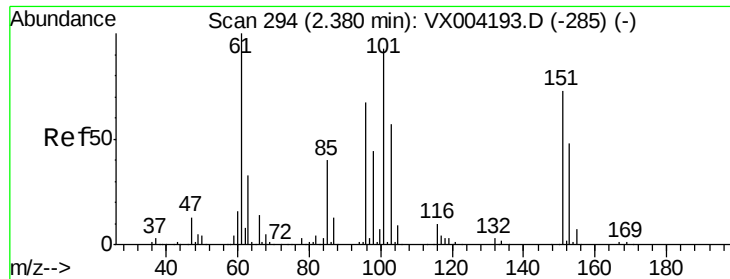


#8

Diethyl Ether
 Concen: 48.14 ug/l
 RT: 2.18 min Scan# 262
 Delta R.T. 0.00 min
 Lab File: VX004259.D
 Acq: 27 Aug 2018 11:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.5	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.14 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX004259.D

Acq: 27 Aug 2018 11:39

Instrument :

MSVOA_X

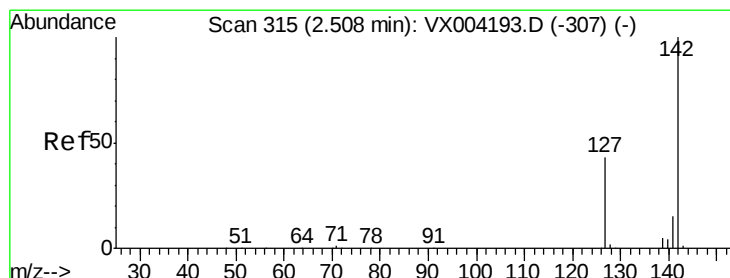
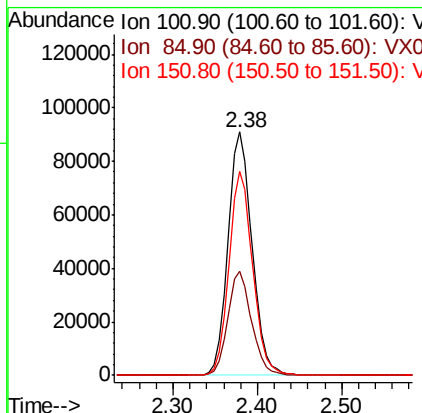
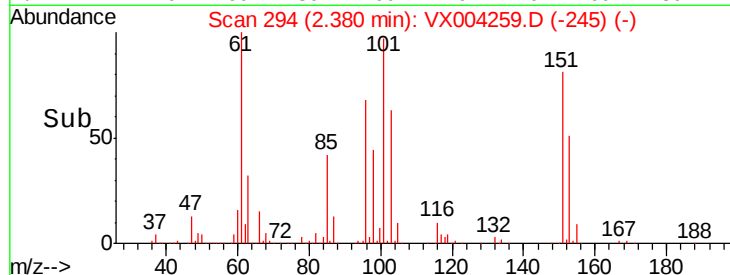
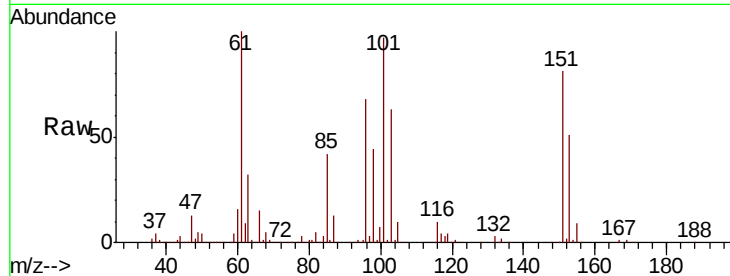
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	176264
Ion Ratio	Lower	Upper	
101	100		
85	42.5	34.2	51.4
151	82.4	65.0	97.4

Manual Integrations
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8/28/2018 3:54:15 PM



#10

Methyl Iodide

Concen: 41.42 ug/l

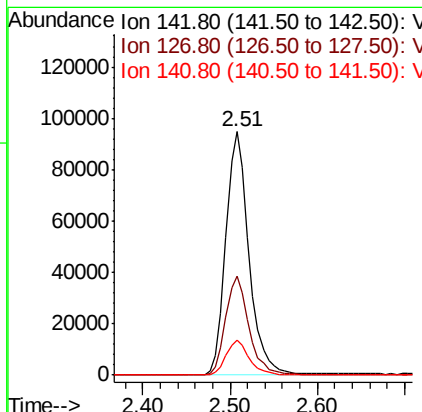
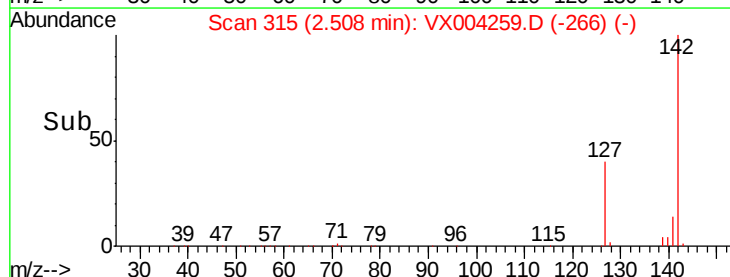
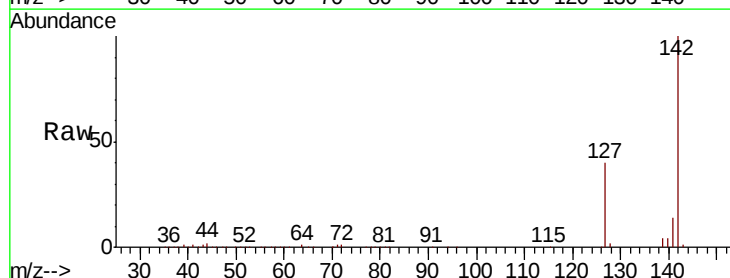
RT: 2.51 min Scan# 315

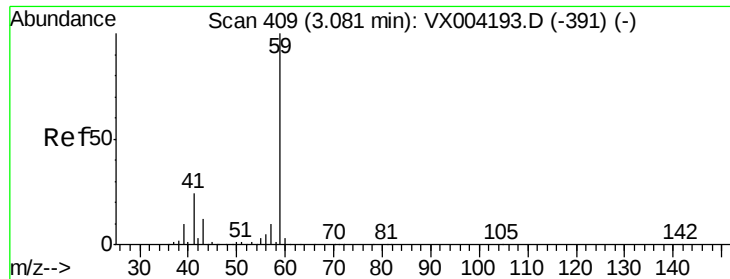
Delta R.T. 0.00 min

Lab File: VX004259.D

Acq: 27 Aug 2018 11:39

Tgt Ion:	142	Resp:	175120
Ion Ratio	Lower	Upper	
142	100		
127	40.7	33.1	49.7
141	14.2	11.1	16.7





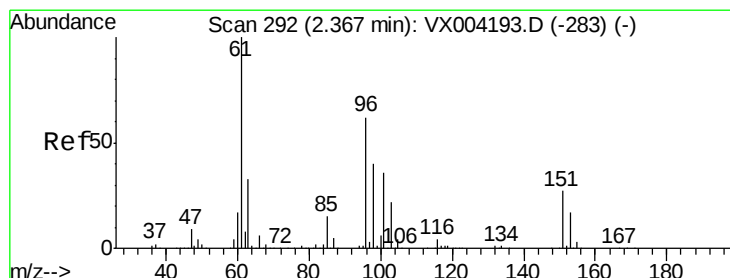
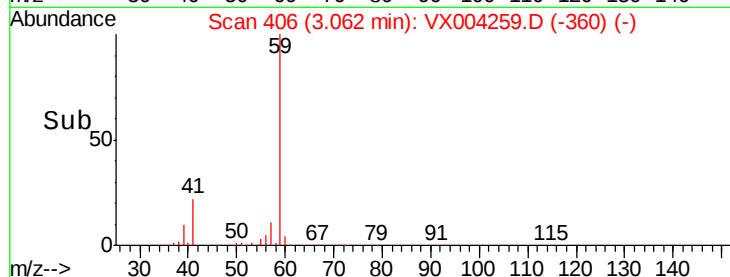
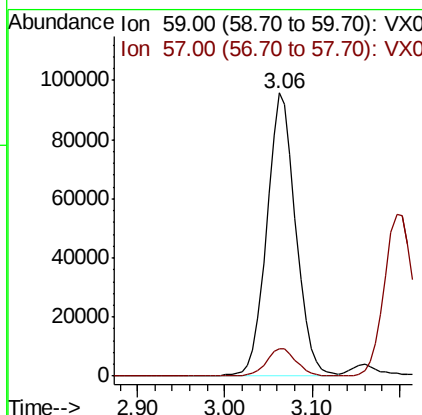
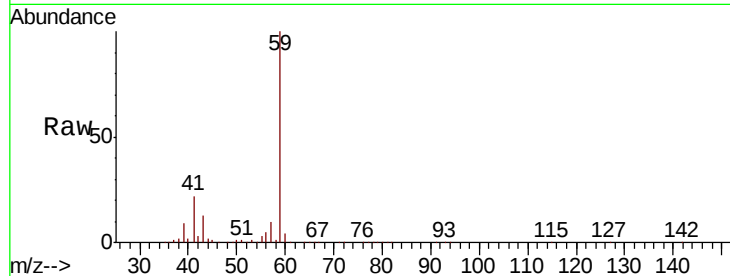
#11
Tert butyl alcohol
Concen: 234.43 ug/l
RT: 3.06 min Scan# 406
Delta R.T. -0.02 min
Lab File: VX004259.D
Acq: 27 Aug 2018 11:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.1	12.1

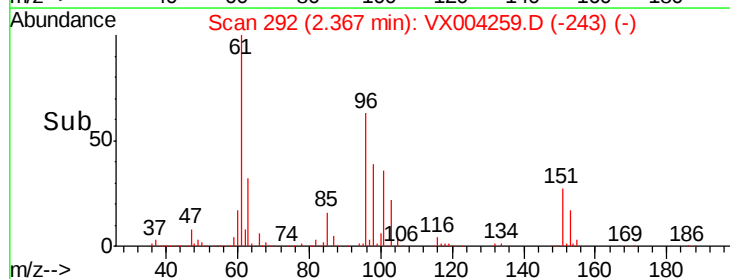
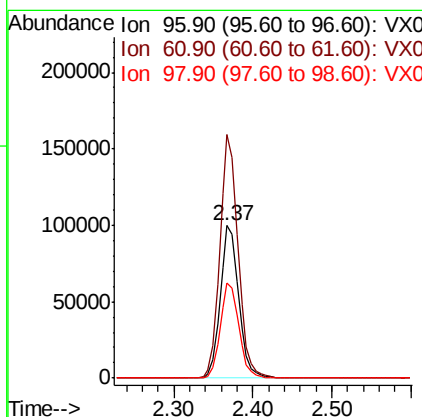
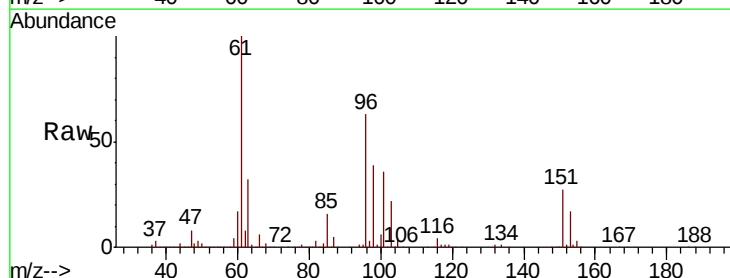
Manual Integrations
APPROVED

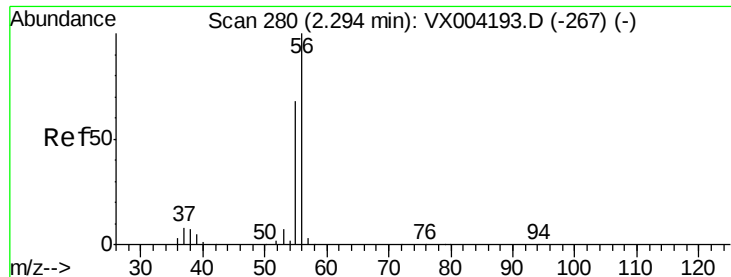
MMDadoda
8/28/2018 3:54:15 PM



#12
1,1-Dichloroethene
Concen: 45.03 ug/l
RT: 2.37 min Scan# 292
Delta R.T. 0.00 min
Lab File: VX004259.D
Acq: 27 Aug 2018 11:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.9	131.3	196.9
98	62.6	51.8	77.6





#13

Acrolein

Concen: 252.20 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX004259.D

Acq: 27 Aug 2018 11:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 57387

Ion Ratio Lower Upper

56 100

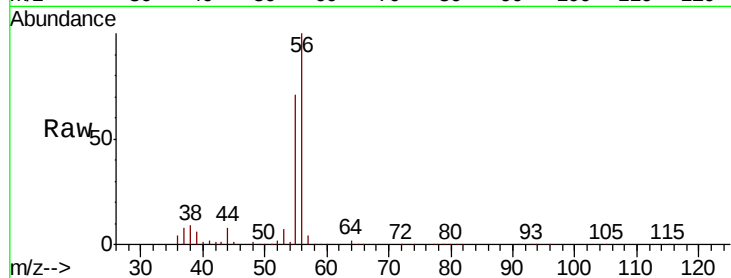
55 69.7 56.1 84.1

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

40000

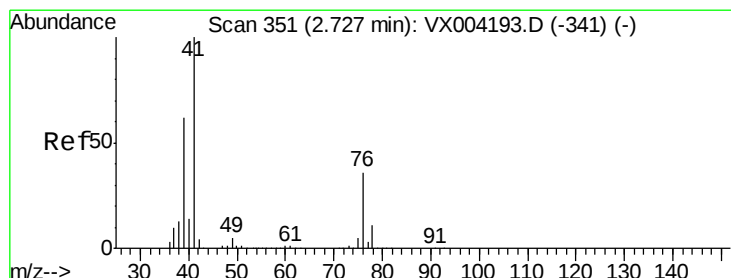
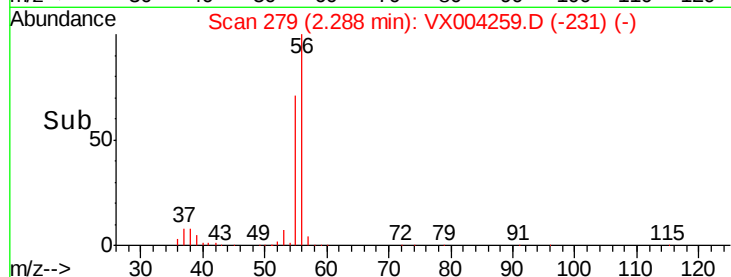
30000

20000

10000

0

Time-->



#14

Allyl chloride

Concen: 46.35 ug/l

RT: 2.72 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX004259.D

Acq: 27 Aug 2018 11:39

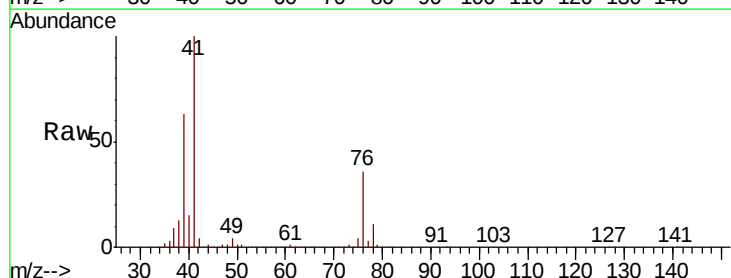
Tgt Ion: 41 Resp: 306471

Ion Ratio Lower Upper

41 100

39 59.8 47.4 71.0

76 33.6 26.0 39.0



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

250000

200000

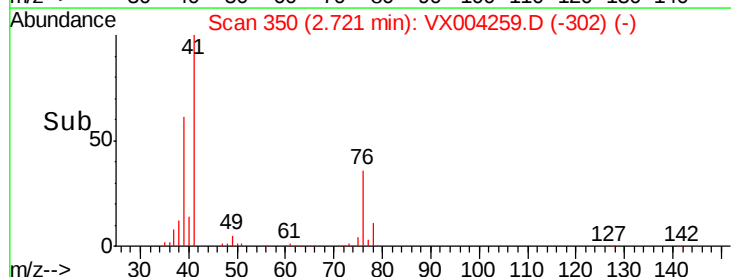
150000

100000

50000

0

Time-->





#15

Acrylonitrile

Concen: 226.44 ug/l

RT: 3.14 min Scan# 419

Delta R.T. -0.01 min

Lab File: VX004259.D

Acq: 27 Aug 2018 11:39

Instrument :

MSVOA_X

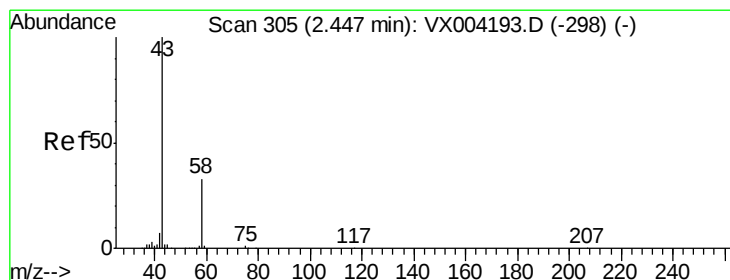
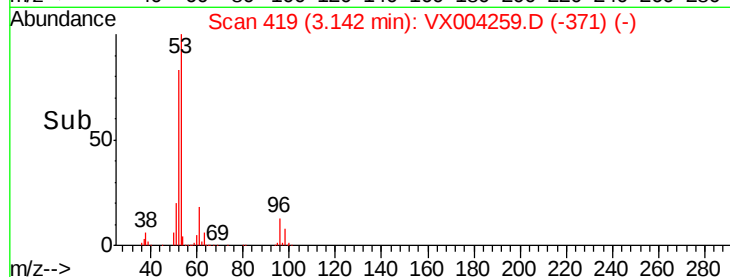
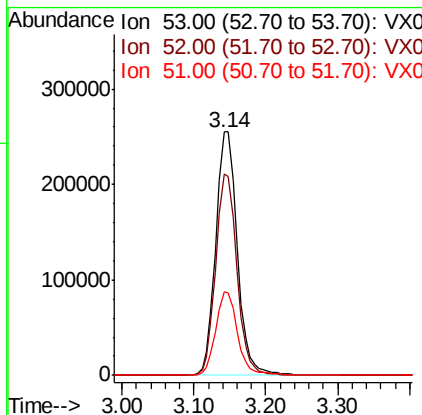
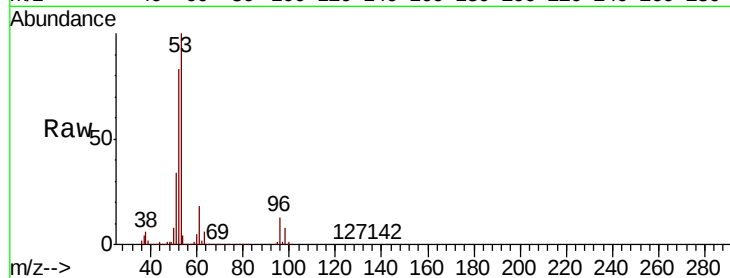
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	529274
Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.3	97.9
51	34.7	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 238.49 ug/l

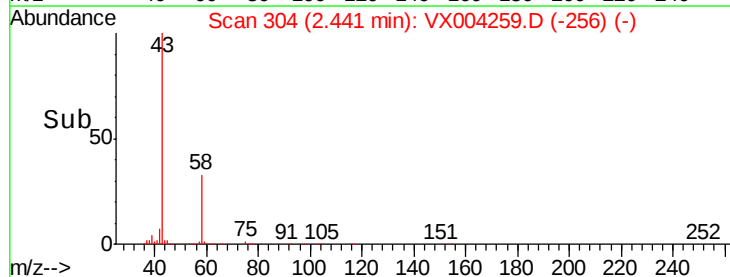
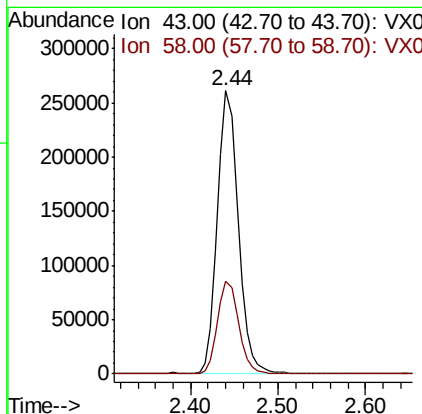
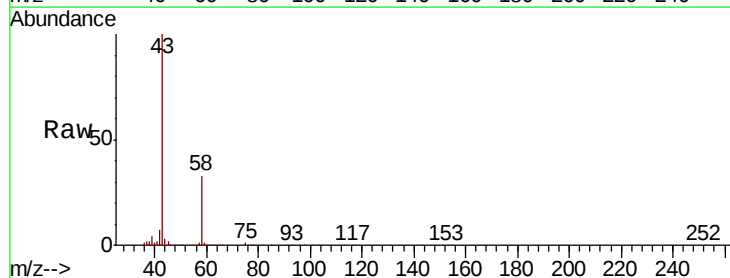
RT: 2.44 min Scan# 304

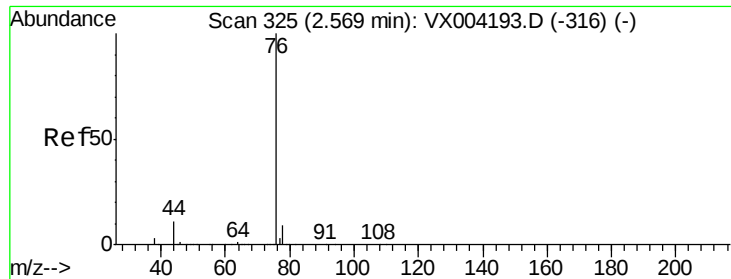
Delta R.T. -0.01 min

Lab File: VX004259.D

Acq: 27 Aug 2018 11:39

Tgt Ion:	43	Resp:	431728
Ion	Ratio	Lower	Upper
43	100		
58	32.9	26.4	39.6





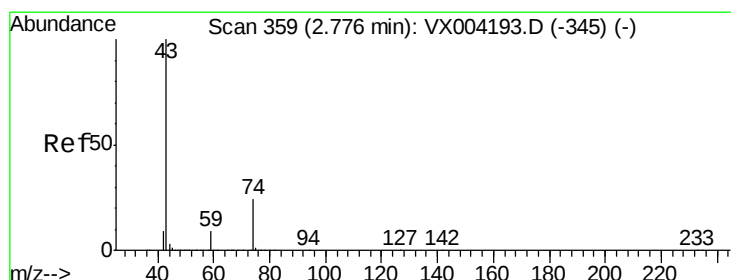
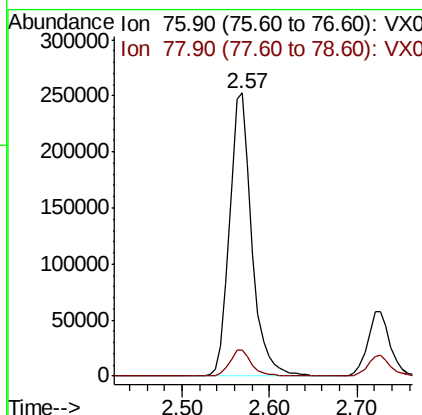
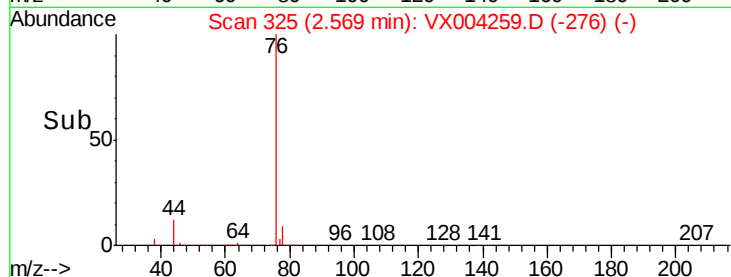
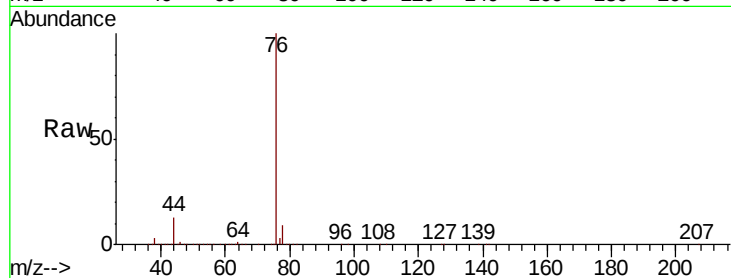
#17
Carbon Disulfide
Concen: 44.89 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX004259.D
Acq: 27 Aug 2018 11:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.5	11.3

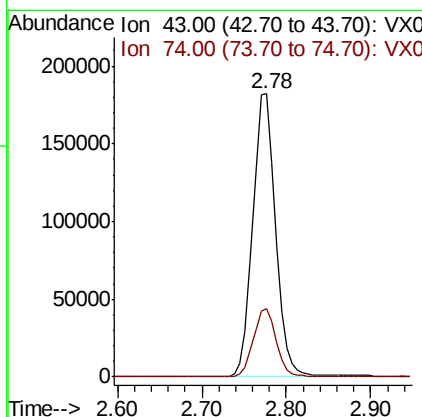
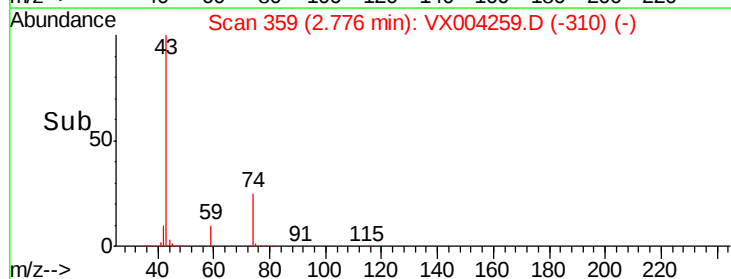
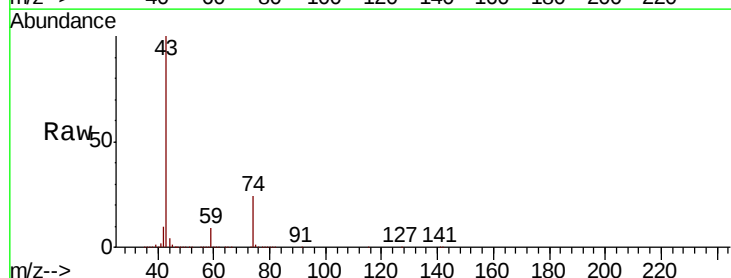
Manual Integrations
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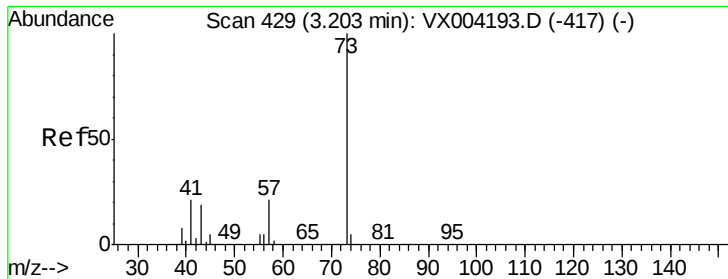
MMDadoda
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#18
Methyl Acetate
Concen: 50.88 ug/l
RT: 2.78 min Scan# 359
Delta R.T. 0.00 min
Lab File: VX004259.D
Acq: 27 Aug 2018 11:39

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.6	18.9	28.3





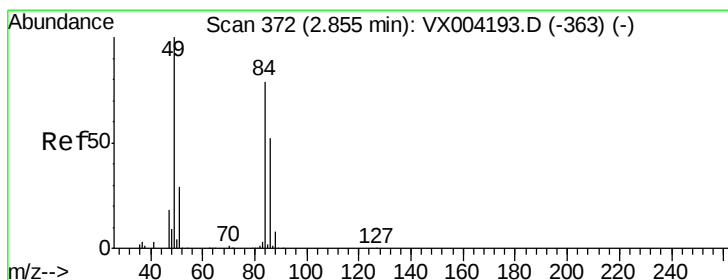
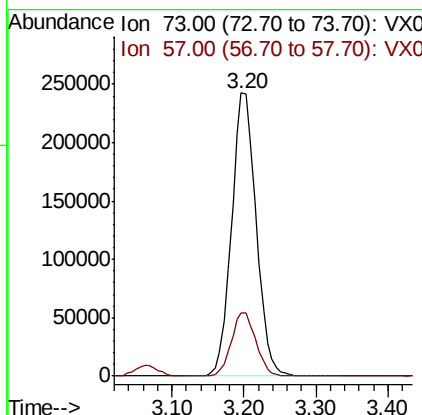
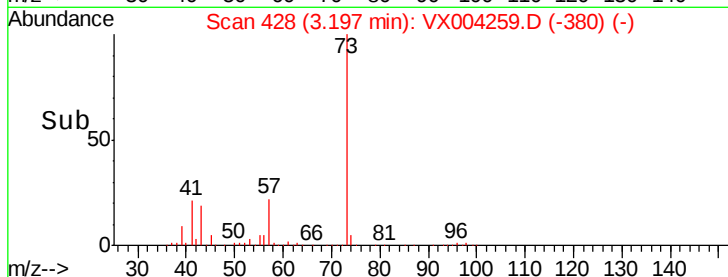
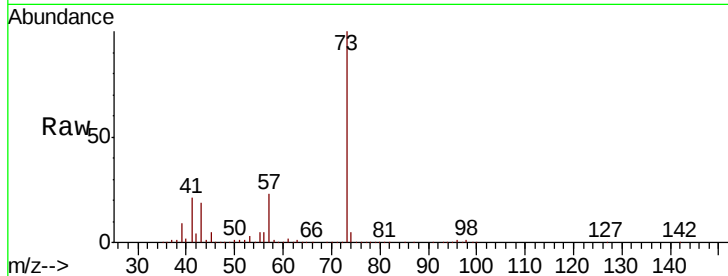
#19
Methvl tert-butvl Ether
Concen: 48.60 ug/l
RT: 3.20 min Scan# 428
Delta R.T. -0.01 min
Lab File: VX004259.D
Acq: 27 Aug 2018 11:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.5	18.0	27.0

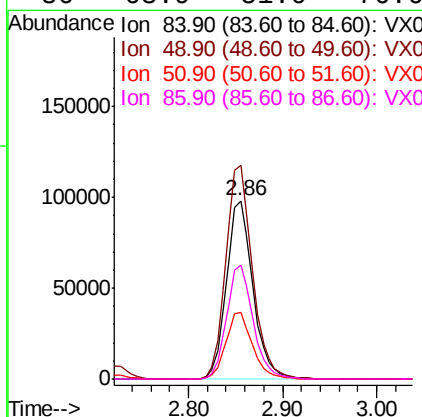
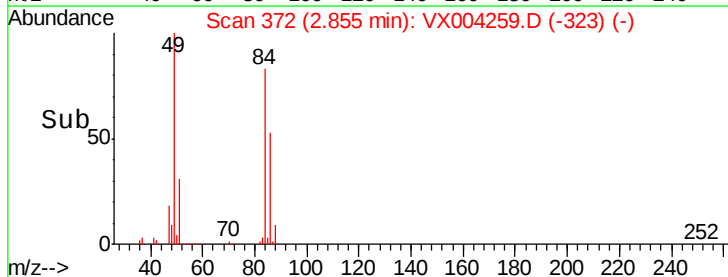
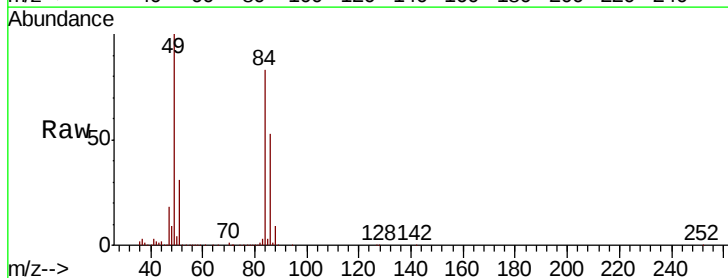
Manual Integrations
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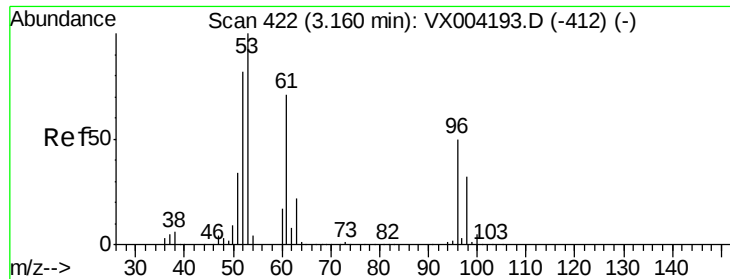
MMDadoda
8/28/2018 3:54:15 PM



#20
Methylene Chloride
Concen: 44.75 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX004259.D
Acq: 27 Aug 2018 11:39

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.9	98.9	148.3
51	37.1	29.9	44.9
86	63.9	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 44.48 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX004259.D

Acq: 27 Aug 2018 11:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 177192

Ion Ratio Lower Upper

96 100

61 135.7 111.8 167.6

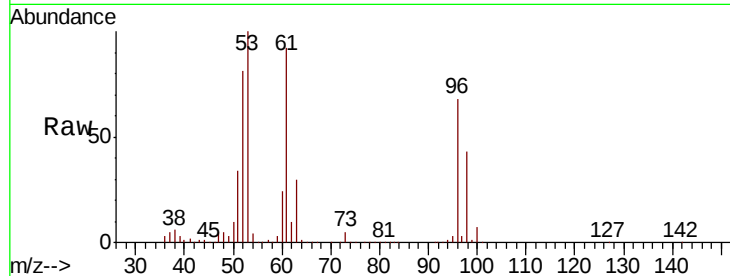
98 64.2 51.8 77.6

Manual Integrations

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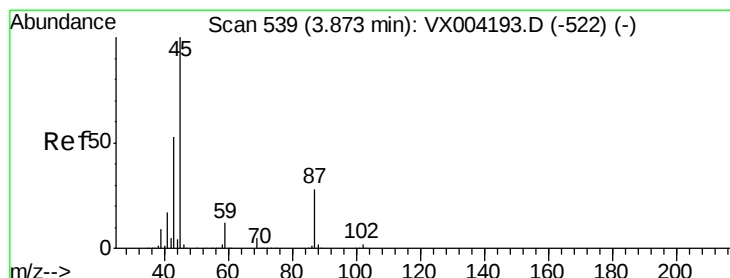
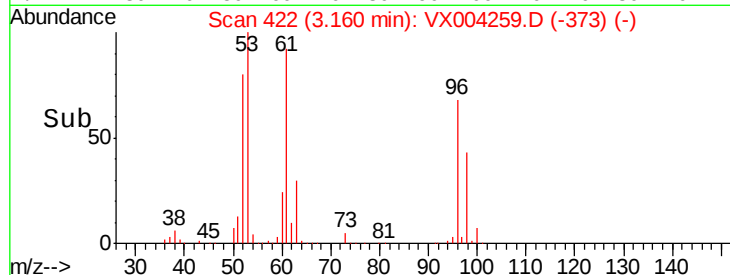
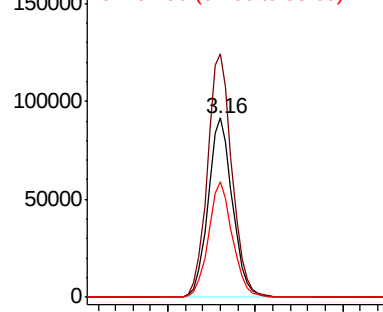


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 47.72 ug/l

RT: 3.87 min Scan# 538

Delta R.T. -0.01 min

Lab File: VX004259.D

Acq: 27 Aug 2018 11:39

Tgt Ion: 45 Resp: 589158

Ion Ratio Lower Upper

45 100

43 54.9 45.3 67.9

87 27.4 22.7 34.1

59 11.5 9.6 14.4

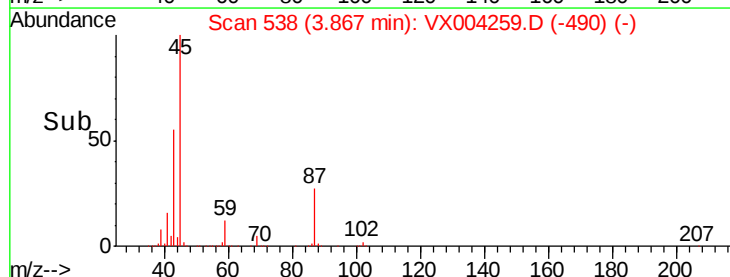
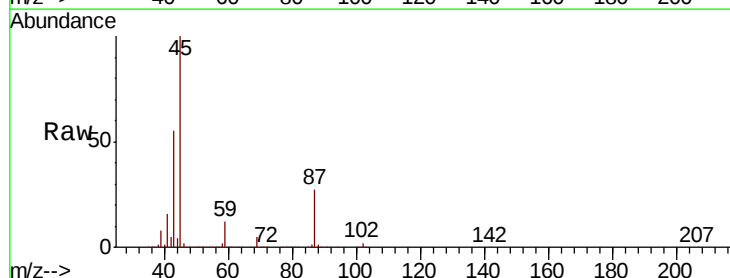
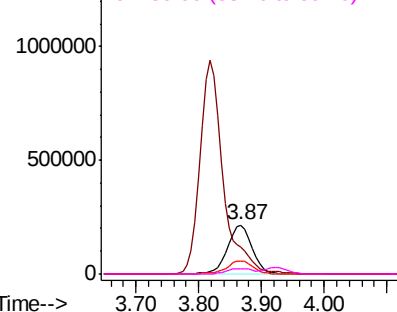
Abundance

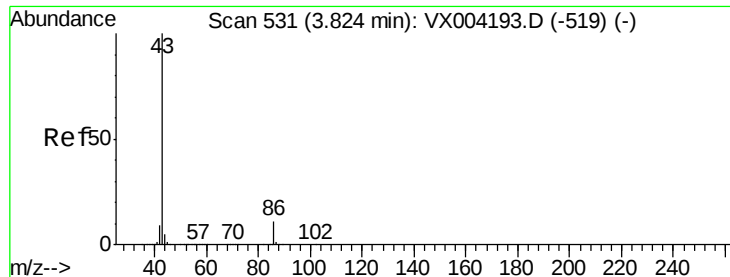
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 241.76 ug/l

RT: 3.82 min Scan# 530

Delta R.T. -0.01 min

Lab File: VX004259.D

Acq: 27 Aug 2018 11:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2419008

Ion Ratio Lower Upper

43 100

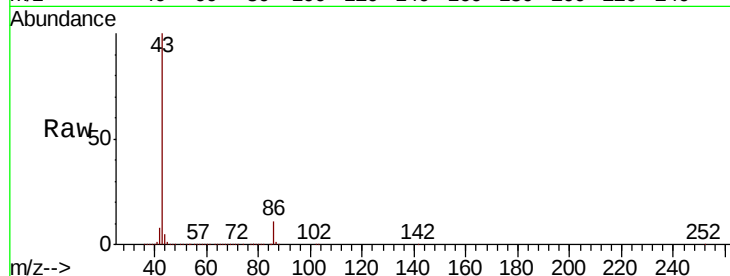
86 11.2 8.9 13.3

Manual Integrations

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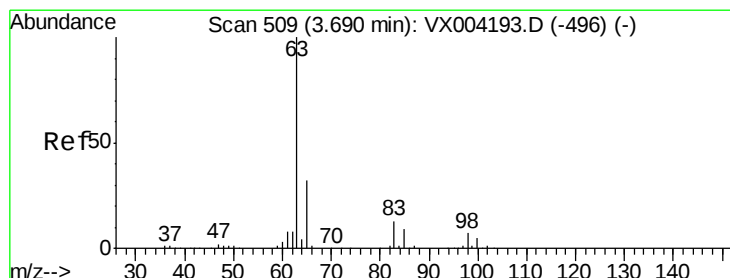
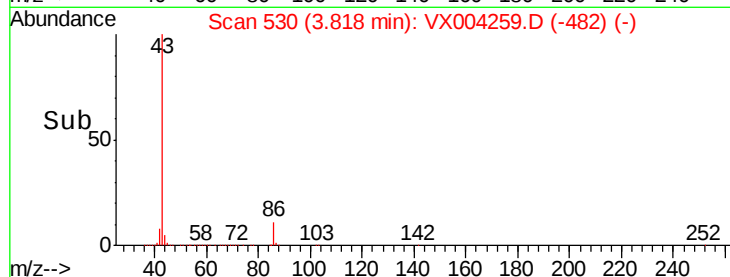
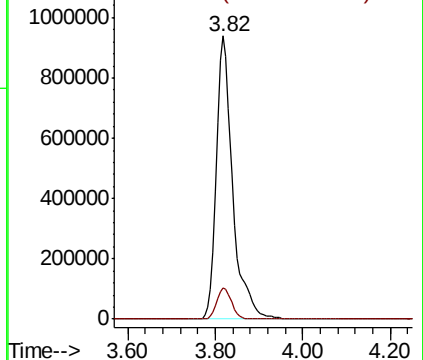
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 46.27 ug/l

RT: 3.69 min Scan# 509

Delta R.T. 0.00 min

Lab File: VX004259.D

Acq: 27 Aug 2018 11:39

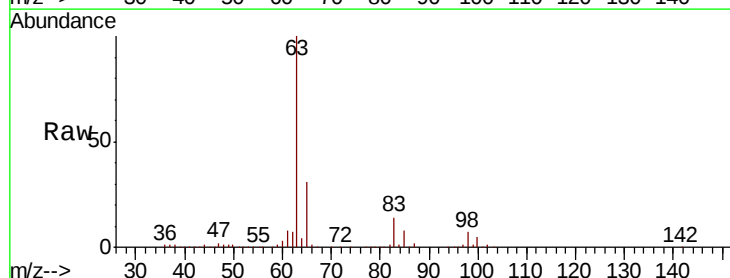
Tgt Ion: 63 Resp: 332919

Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.5

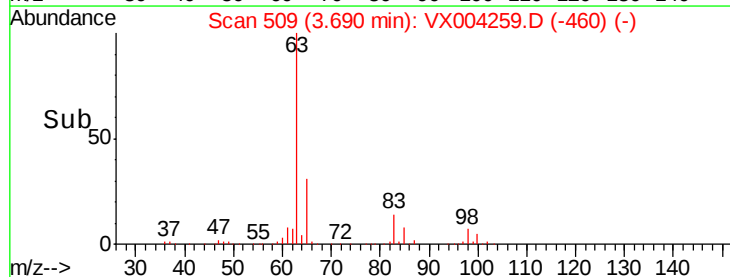
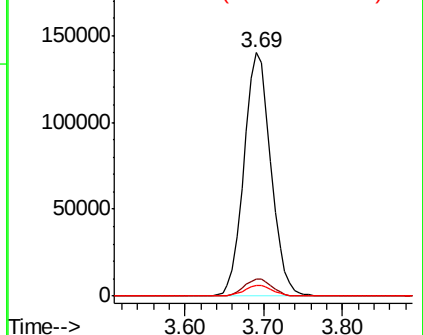
100 4.6 2.3 6.8

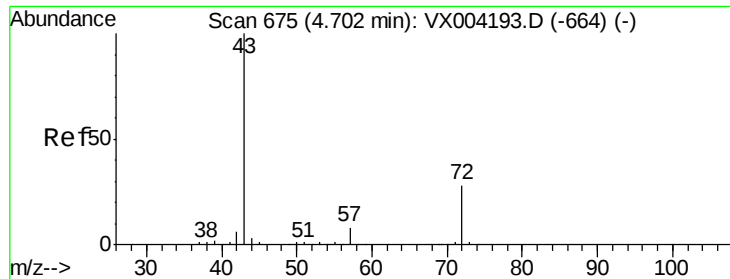


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 234.70 ug/l

RT: 4.70 min Scan# 674

Delta R.T. -0.01 min

Lab File: VX004259.D

Acq: 27 Aug 2018 11:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 696836

Ion Ratio Lower Upper

43 100

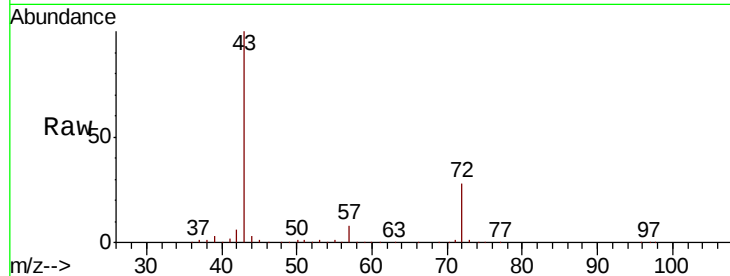
72 28.2 21.4 32.0

Manual Integrations

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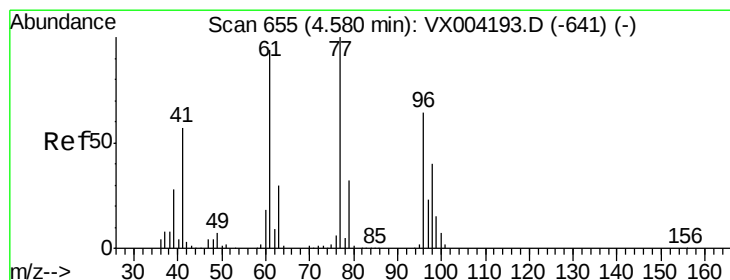
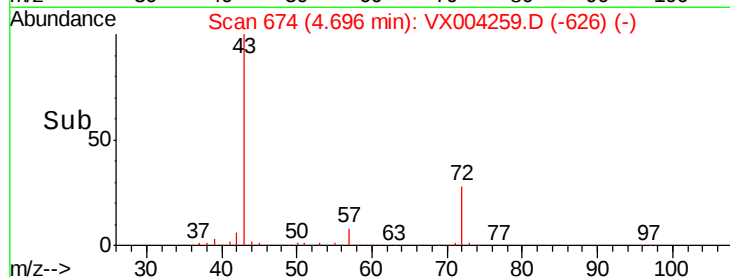
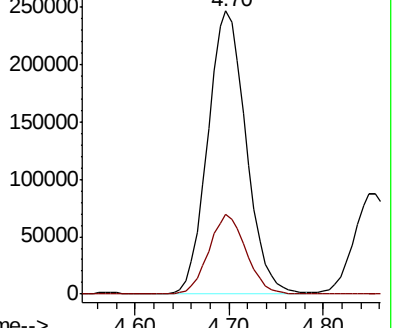
MMDadoda

8/28/2018 3:54:15 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 46.86 ug/l

RT: 4.58 min Scan# 655

Delta R.T. 0.00 min

Lab File: VX004259.D

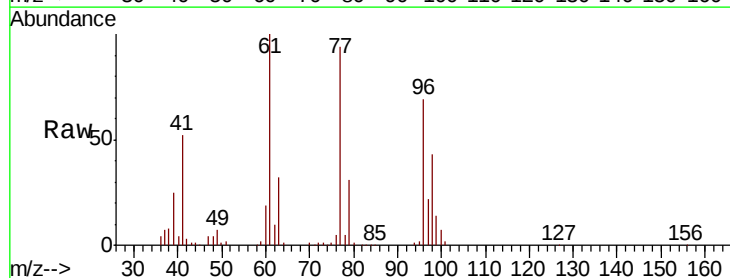
Acq: 27 Aug 2018 11:39

Tgt Ion: 77 Resp: 264416

Ion Ratio Lower Upper

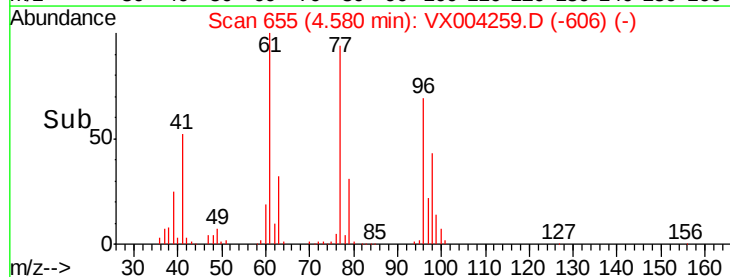
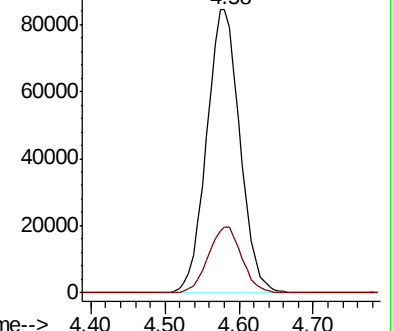
77 100

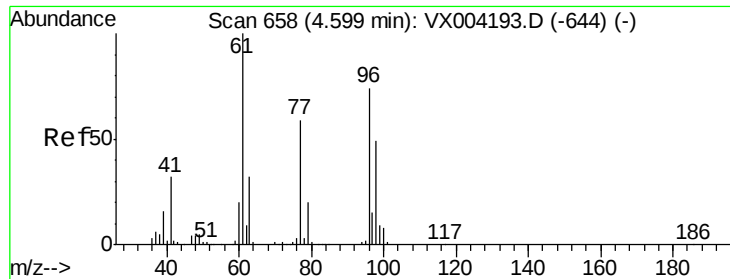
97 23.4 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

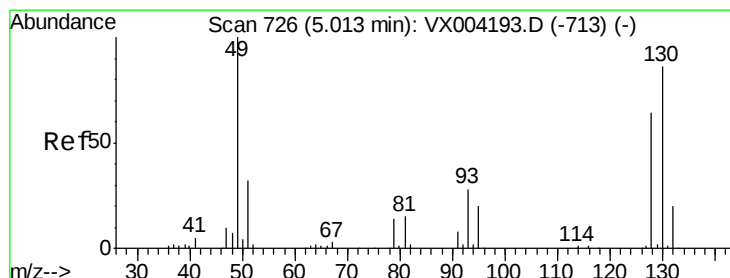
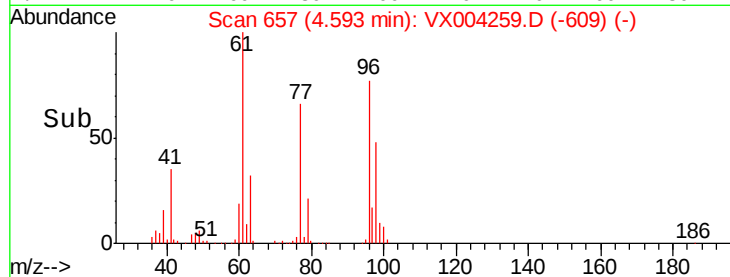
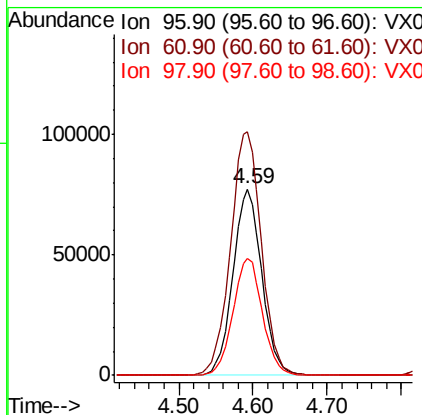
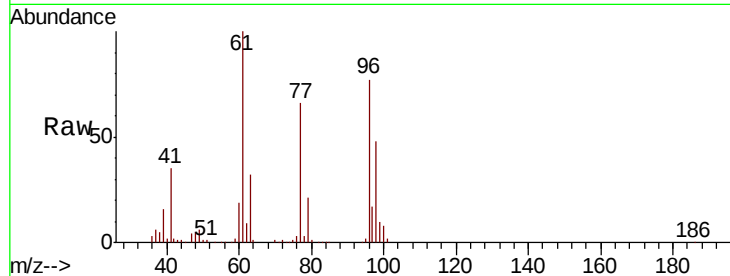
cis-1,2-Dichloroethene
Concen: 46.32 ug/l
RT: 4.59 min Scan# 657
Delta R.T. -0.01 min
Lab File: VX004259.D
Acq: 27 Aug 2018 11:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	209282		
61	139.8	0.0	293.0	
98	64.1	0.0	131.8	

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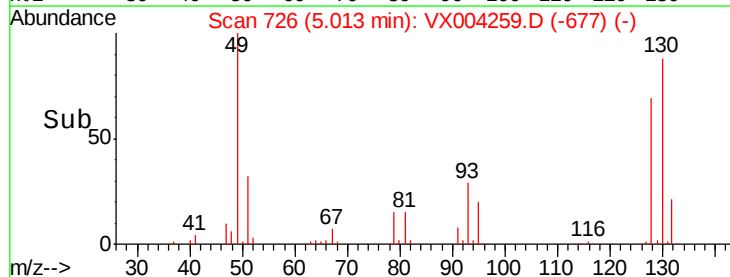
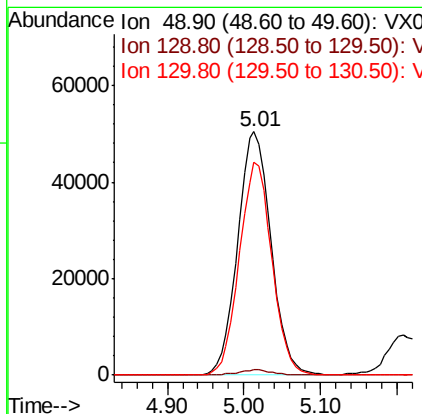
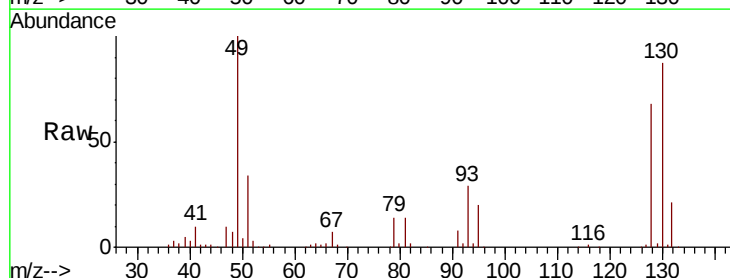
MMDadoda
8/28/2018 3:54:15 PM

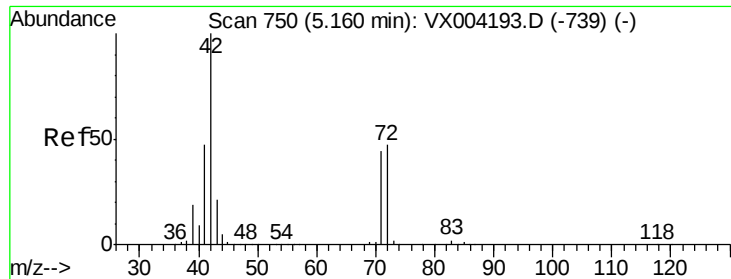


#28

Bromochloromethane
Concen: 48.04 ug/l
RT: 5.01 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX004259.D
Acq: 27 Aug 2018 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	153020		
129	2.1	0.0	4.2	
130	85.2	66.5	99.7	





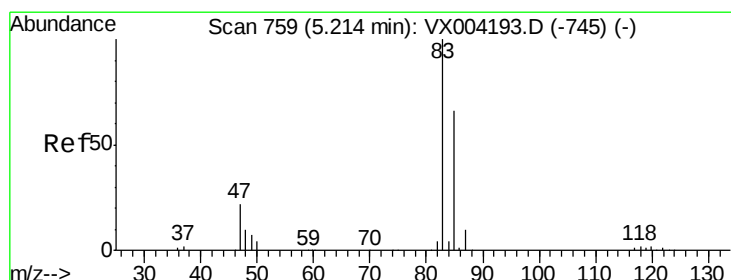
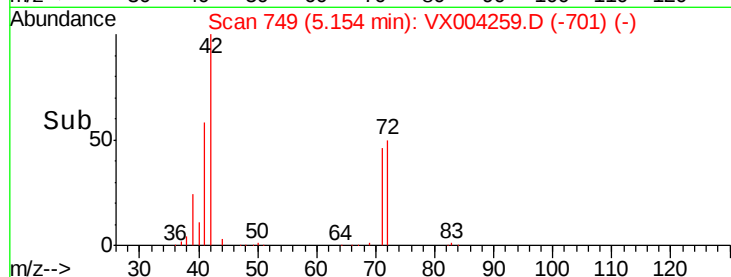
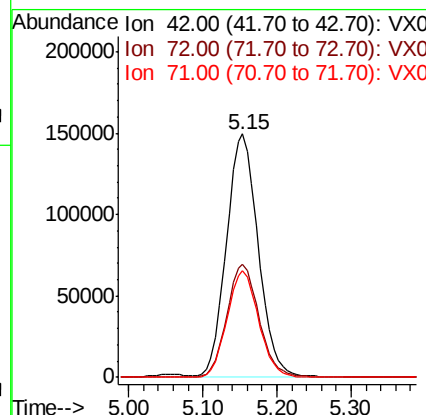
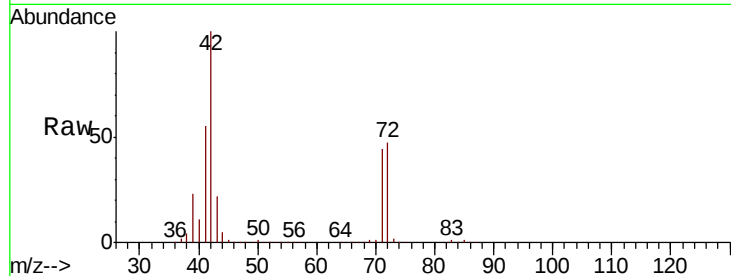
#29
Tetrahydrofuran
Concen: 233.29 ug/l
RT: 5.15 min Scan# 749
Delta R.T. -0.01 min
Lab File: VX004259.D
Acq: 27 Aug 2018 11:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.3	37.7	56.5
71	43.8	35.0	52.6

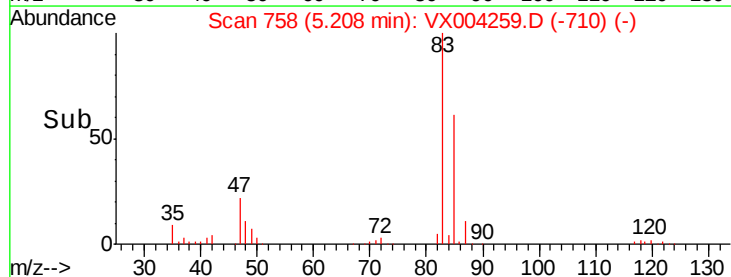
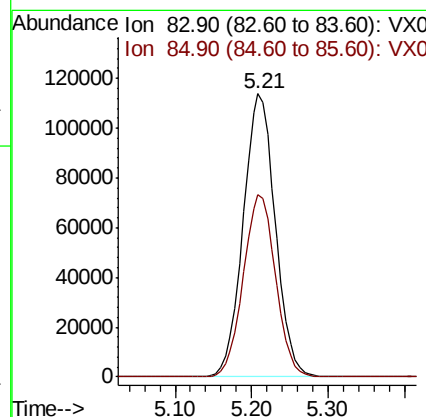
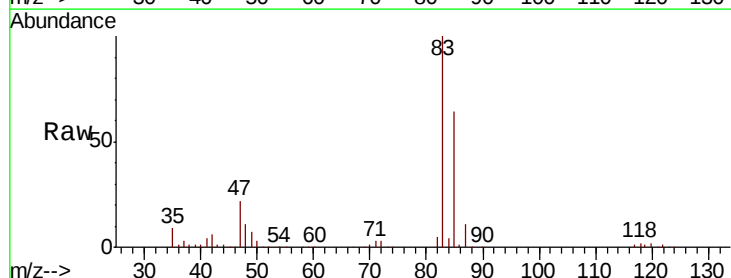
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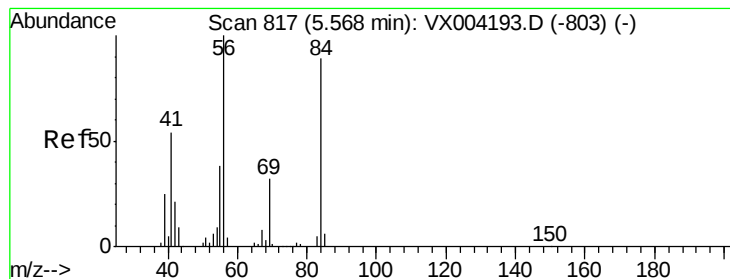
MMDadoda
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#30
Chloroform
Concen: 45.91 ug/l
RT: 5.21 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX004259.D
Acq: 27 Aug 2018 11:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.7	76.1





#31

Cyclohexane

Concen: 46.86 ug/l

RT: 5.57 min Scan# 817

Delta R.T. 0.00 min

Lab File: VX004259.D

Acq: 27 Aug 2018 11:39

Instrument :

MSVOA_X

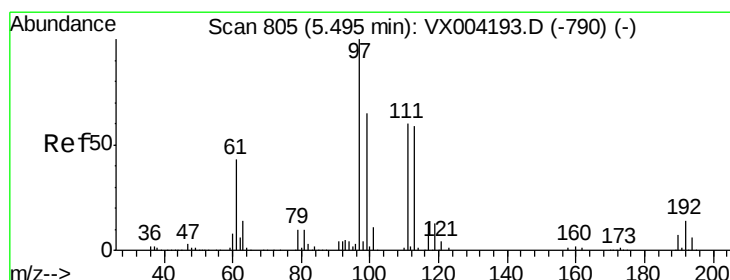
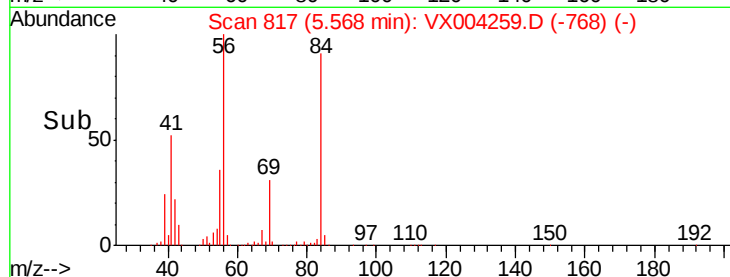
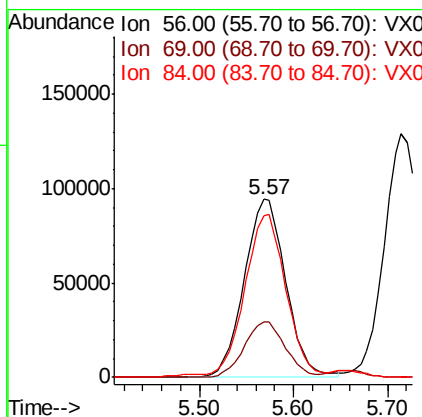
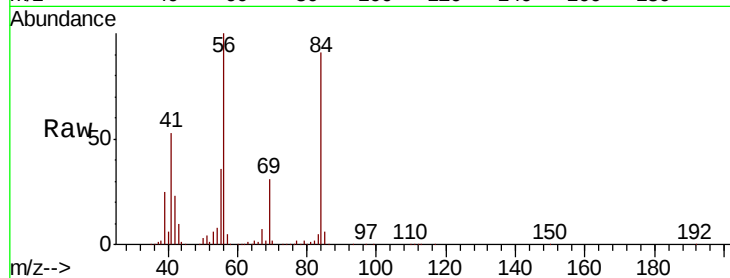
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	290884
Ion	Ratio	Lower	Upper
56	100		
69	31.4	24.9	37.3
84	89.4	71.7	107.5

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#32

1,1,1-Trichloroethane

Concen: 46.46 ug/l

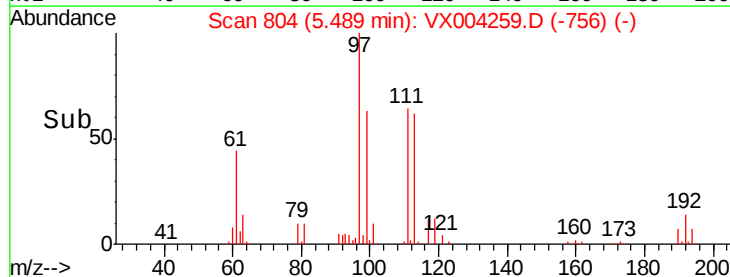
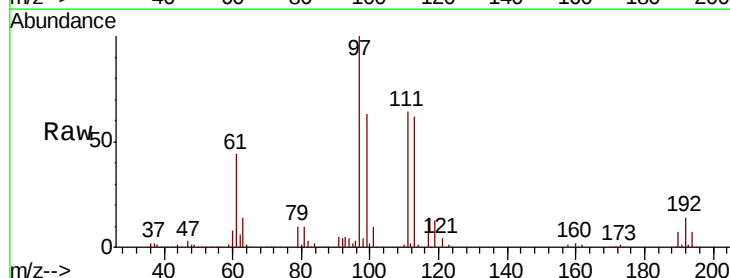
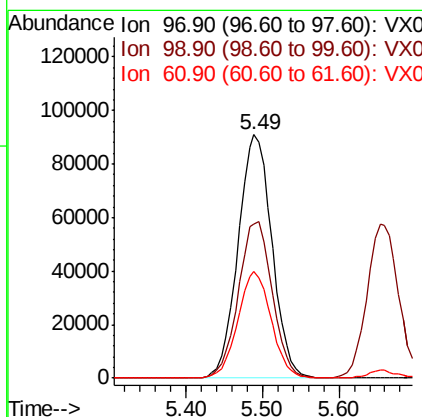
RT: 5.49 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX004259.D

Acq: 27 Aug 2018 11:39

Tgt Ion:	97	Resp:	279444
Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.8	77.8
61	43.3	34.4	51.6





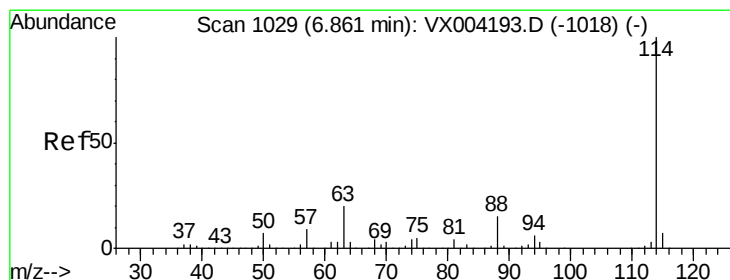
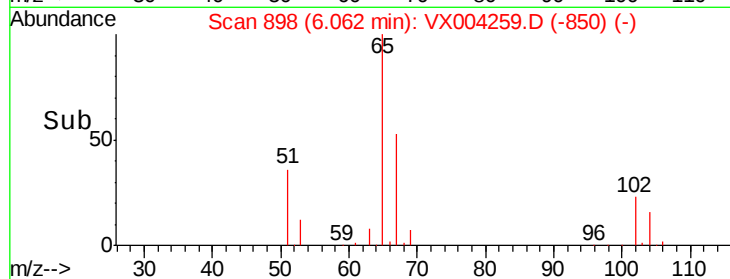
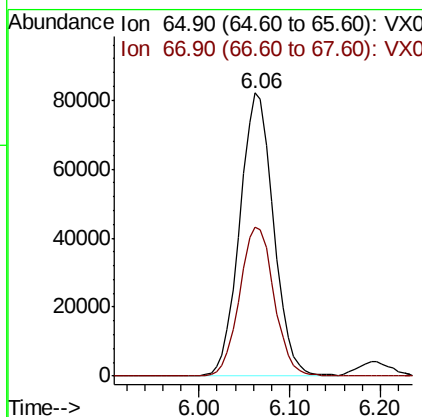
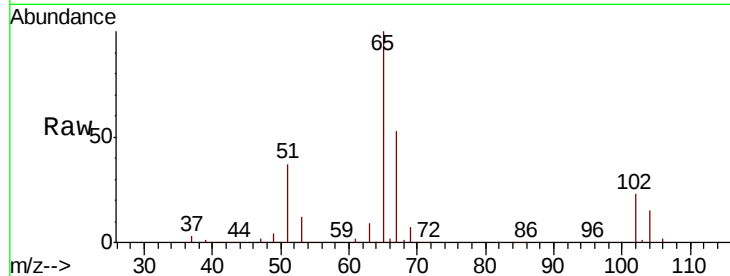
#33
 1,2-Dichloroethane-d4
 Concen: 47.89 ug/l
 RT: 6.06 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VX004259.D
 Acq: 27 Aug 2018 11:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	212034		
67	53.6	0.0	105.8	

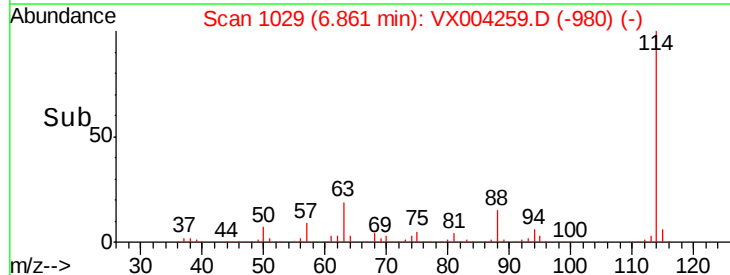
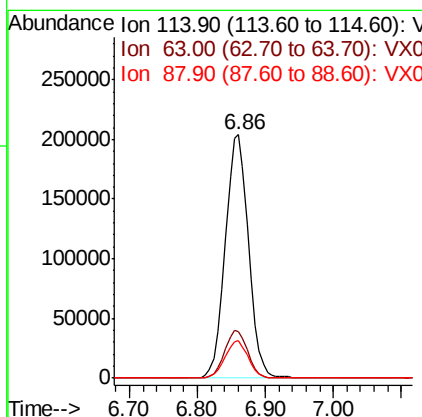
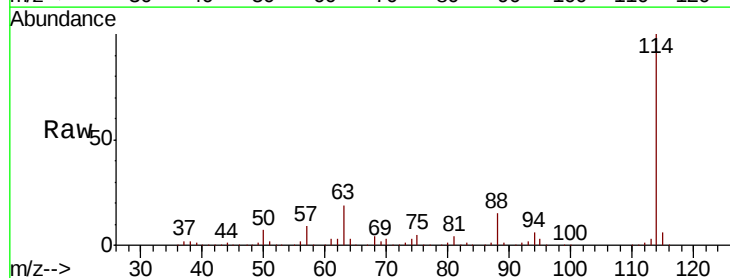
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. 0.00 min
 Lab File: VX004259.D
 Acq: 27 Aug 2018 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	480277		
63	19.2	0.0	39.0	
88	15.5	0.0	32.0	





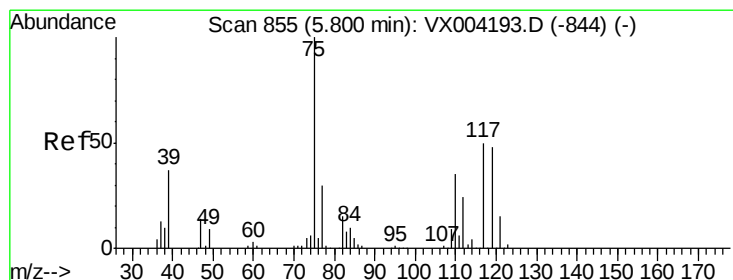
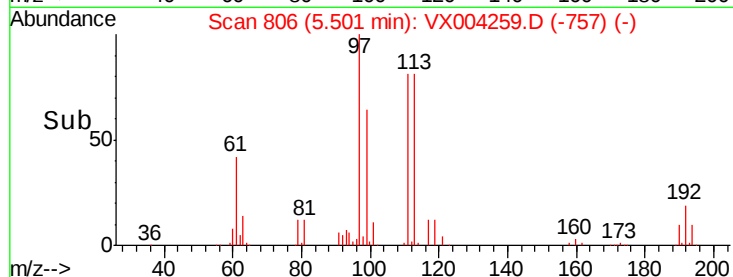
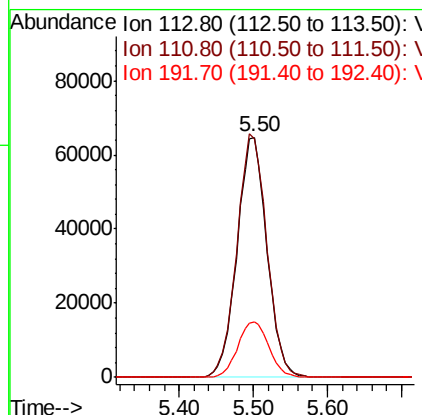
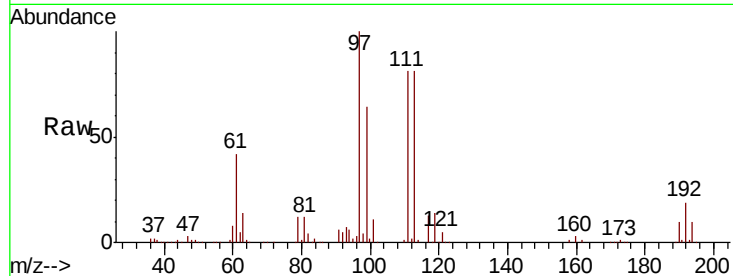
#35
Dibromofluoromethane
Concen: 50.89 ug/l
RT: 5.50 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX004259.D
Acq: 27 Aug 2018 11:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	181817		
111	102.0	82.0	123.0	
192	24.0	19.0	28.4	

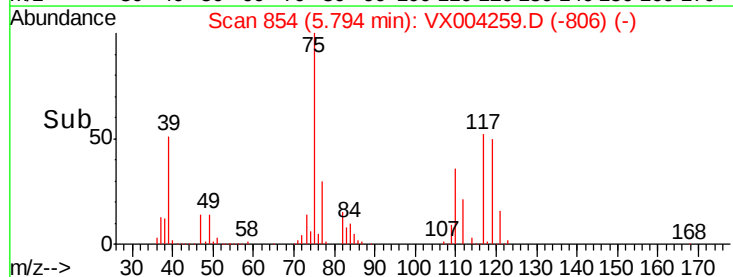
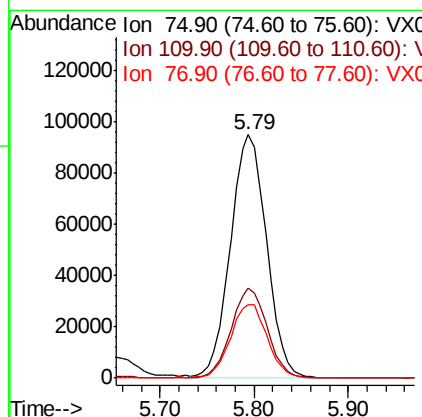
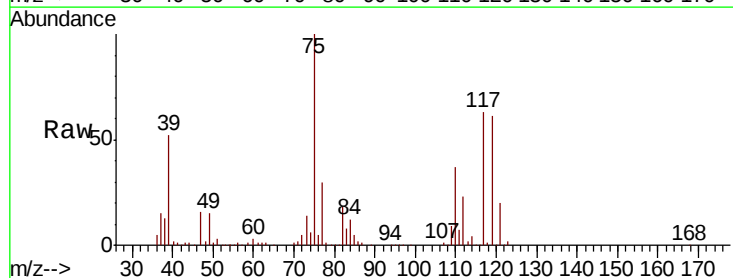
Manual Integrations
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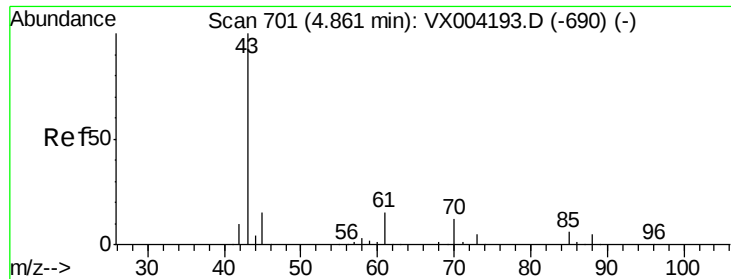
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#36
1,1-Dichloropropene
Concen: 46.78 ug/l
RT: 5.79 min Scan# 854
Delta R.T. -0.01 min
Lab File: VX004259.D
Acq: 27 Aug 2018 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	252605		
110	37.0	18.2	54.6	
77	31.3	25.0	37.4	





#37

Ethyl Acetate

Concen: 48.47 ug/l

RT: 4.85 min Scan# 699

Delta R.T. -0.01 min

Lab File: VX004259.D

Acq: 27 Aug 2018 11:39

Instrument :

MSVOA_X

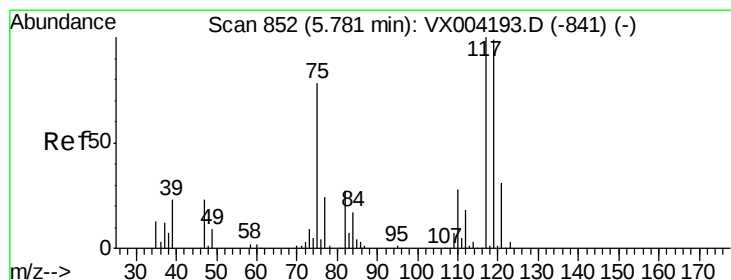
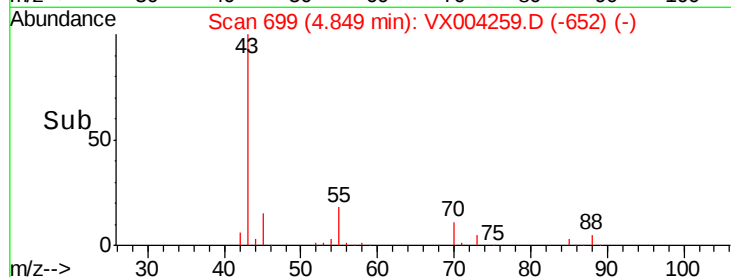
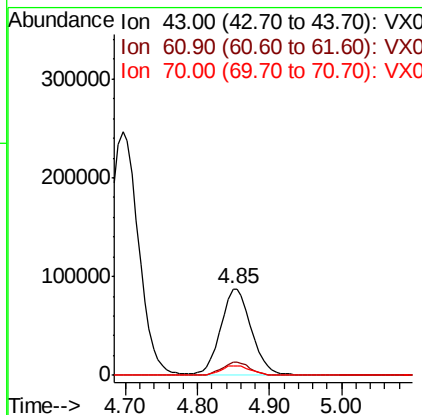
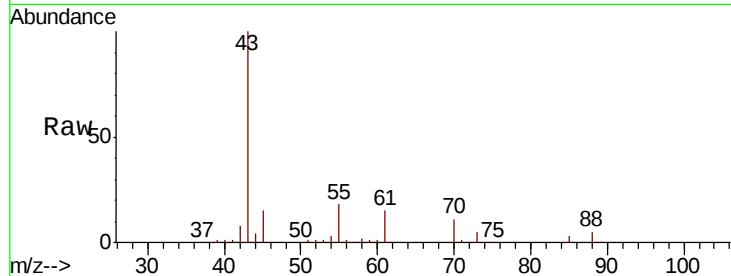
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	257392
Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.5	17.3
70	11.5	9.0	13.4

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#38

Carbon Tetrachloride

Concen: 47.97 ug/l

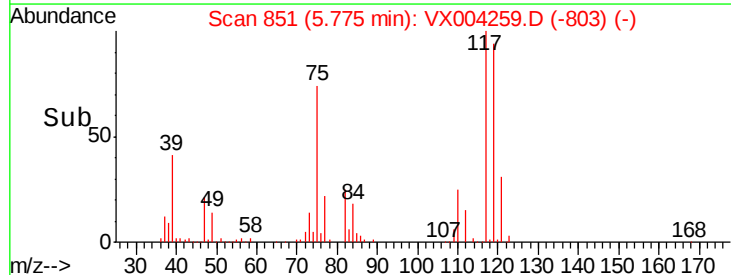
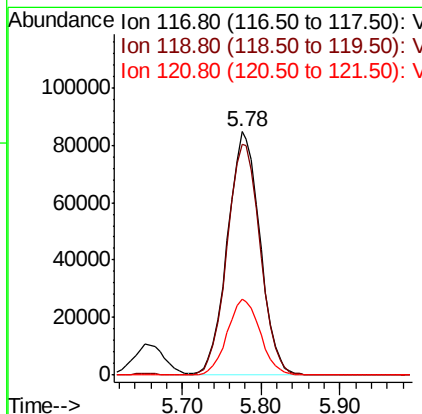
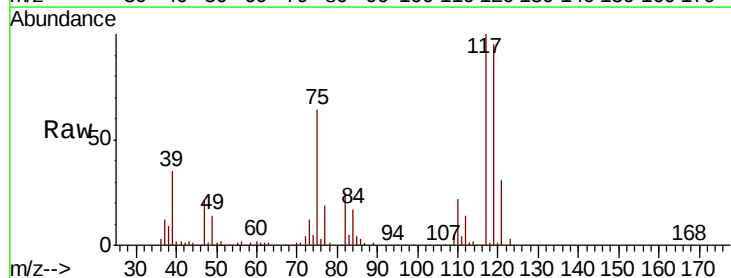
RT: 5.78 min Scan# 851

Delta R.T. -0.01 min

Lab File: VX004259.D

Acq: 27 Aug 2018 11:39

Tgt Ion:	117	Resp:	243661
Ion	Ratio	Lower	Upper
117	100		
119	94.6	79.5	119.3
121	30.9	25.0	37.4





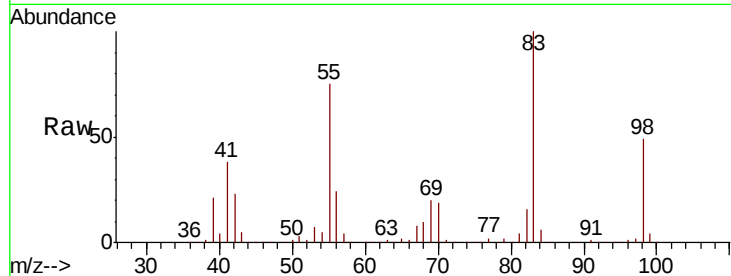
#39
Methvlcvclohexane
Concen: 49.32 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VX004259.D
Acq: 27 Aug 2018 11:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

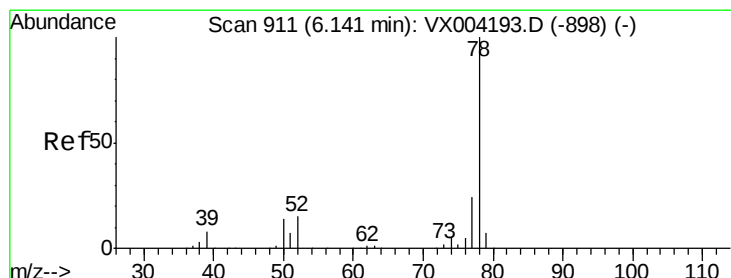
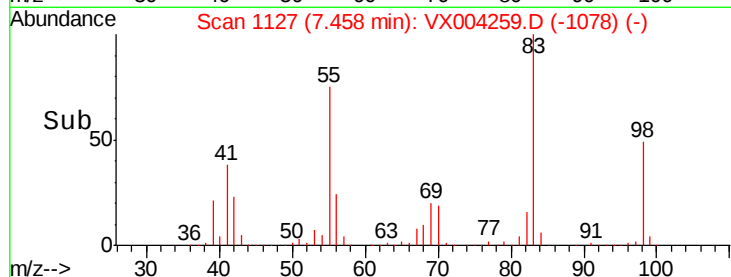
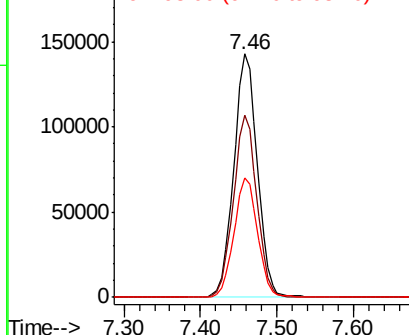
Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	74.8	61.0	91.6	
98	49.0	38.6	57.8	

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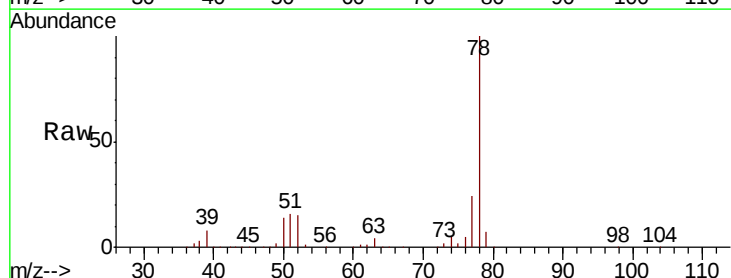


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

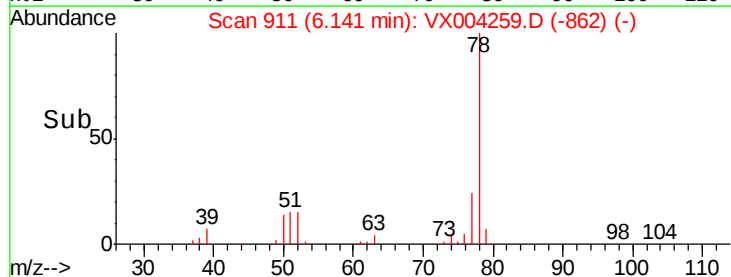
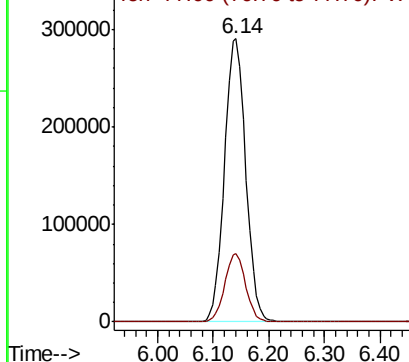


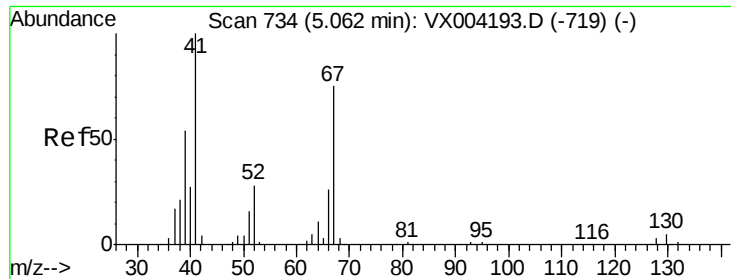
#40
Benzene
Concen: 47.59 ug/l
RT: 6.14 min Scan# 911
Delta R.T. 0.00 min
Lab File: VX004259.D
Acq: 27 Aug 2018 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.1	19.0	28.4	



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





#41

Methacrylonitrile

Concen: 49.49 ug/l

RT: 5.06 min Scan# 733

Delta R.T. -0.01 min

Lab File: VX004259.D

Acq: 27 Aug 2018 11:39

Instrument :

MSVOA_X

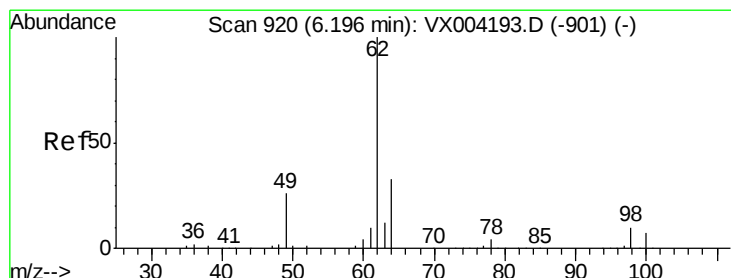
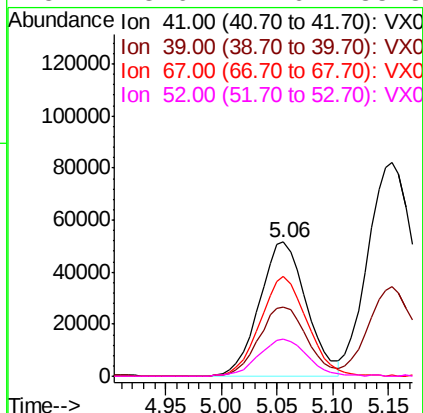
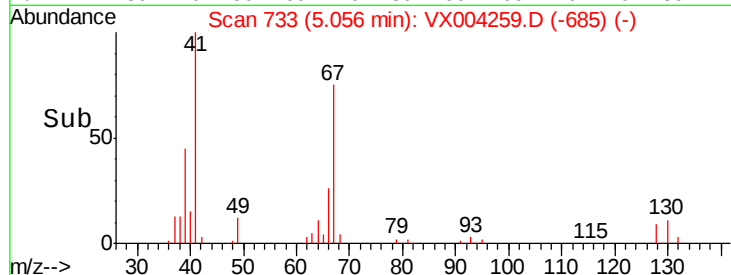
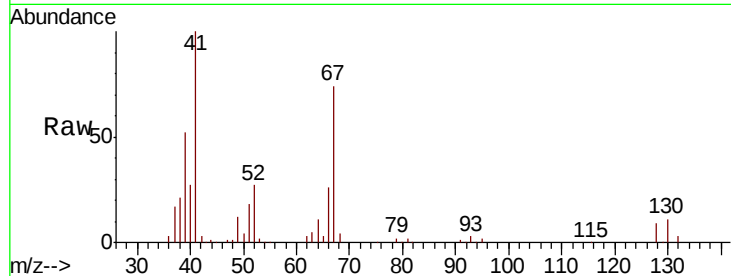
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.8	42.7	64.1	
67	74.0	58.9	88.3	
52	28.6	22.6	33.8	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 47.60 ug/l

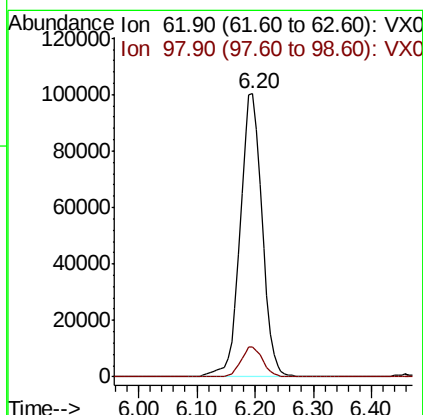
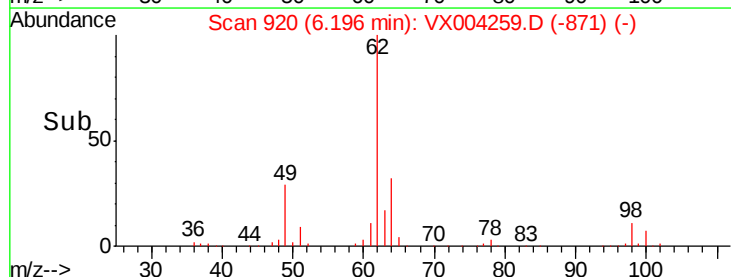
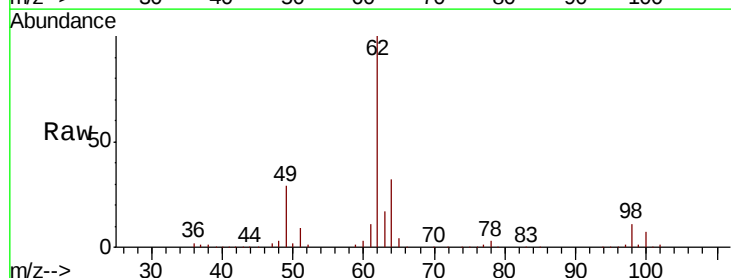
RT: 6.20 min Scan# 920

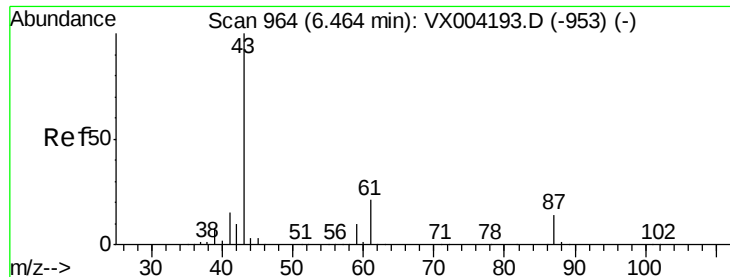
Delta R.T. 0.00 min

Lab File: VX004259.D

Acq: 27 Aug 2018 11:39

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.4	0.0	20.4	





#43

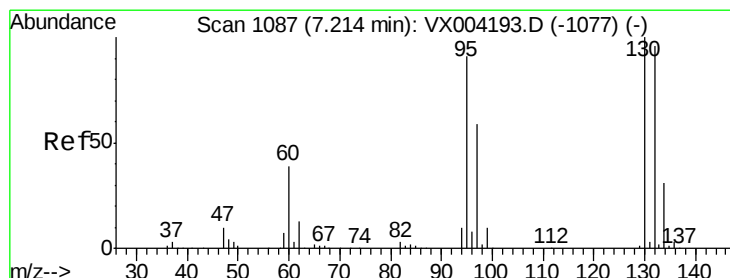
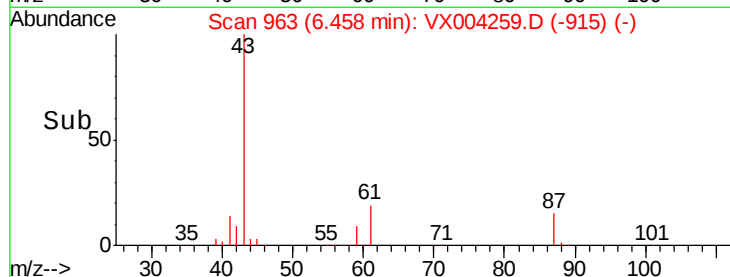
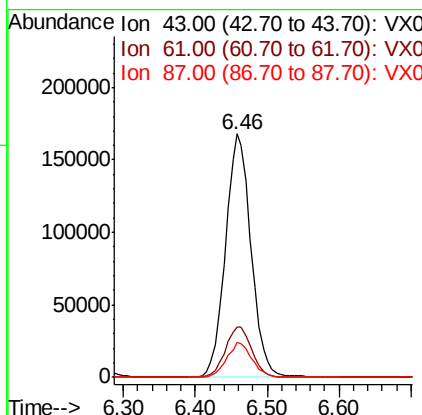
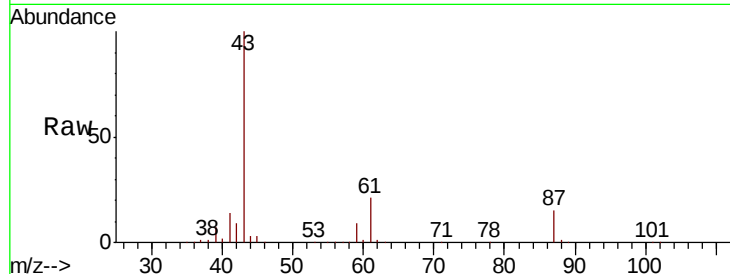
Isopropyl Acetate
 Concen: 50.56 ug/l
 RT: 6.46 min Scan# 963
 Delta R.T. -0.01 min
 Lab File: VX004259.D
 Acq: 27 Aug 2018 11:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	43	61	87
Resp	412548		
Ratio	100	21.4	14.2
Lower		16.9	11.3
Upper		25.3	16.9

Manual Integrations
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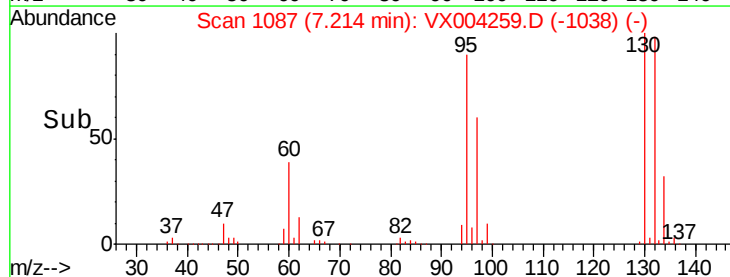
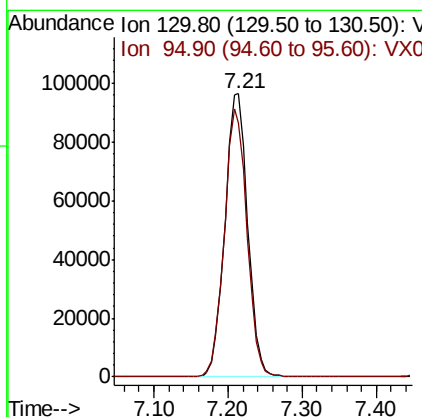
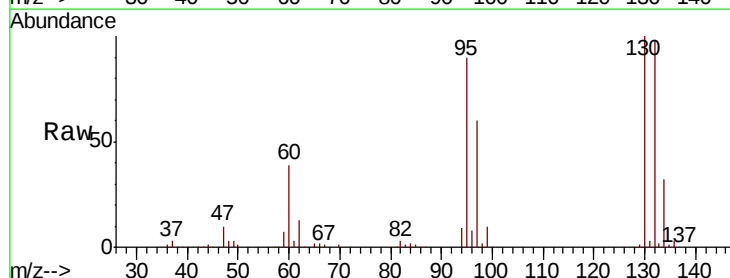
MMDadoda
 8/28/2018 3:54:15 PM



#44

Trichloroethene
 Concen: 46.40 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX004259.D
 Acq: 27 Aug 2018 11:39

Tgt Ion	130	95
Resp	207206	
Ratio	100	89.9
Lower		0.0
Upper		199.4





#45

1,2-Dichloropropane

Concen: 48.89 ug/l

RT: 7.51 min Scan# 1136

Delta R.T. -0.01 min

Lab File: VX004259.D

Acq: 27 Aug 2018 11:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 197427

Ion Ratio Lower Upper

63 100

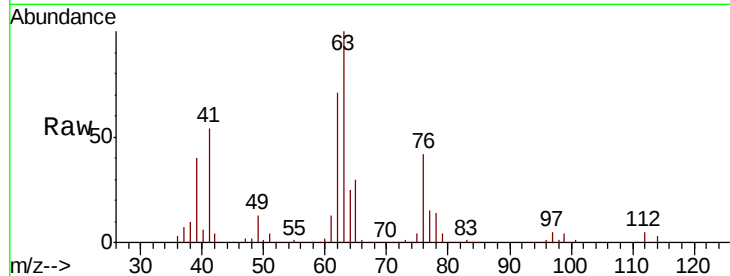
65 30.4 24.6 36.8

Manual Integrations

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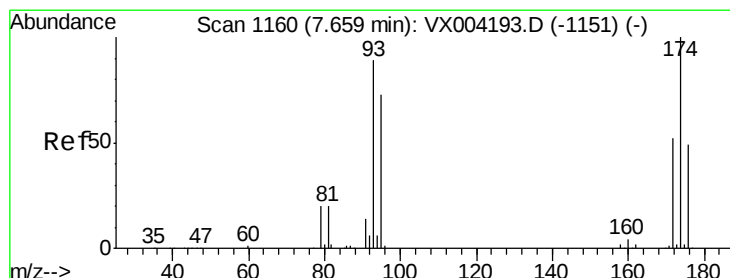
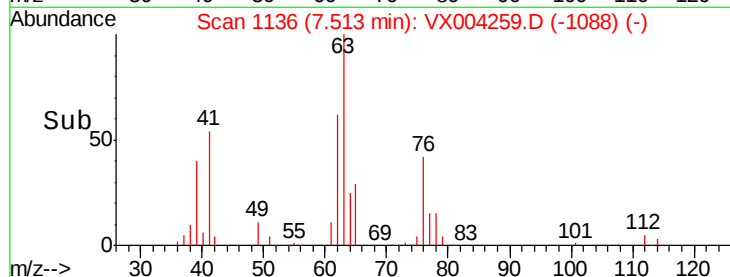
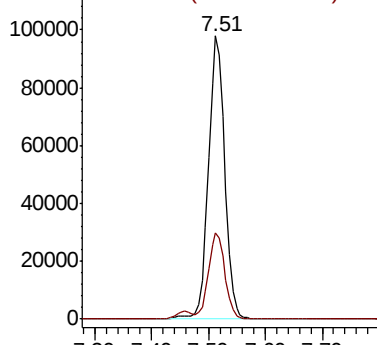
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 48.08 ug/l

RT: 7.66 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VX004259.D

Acq: 27 Aug 2018 11:39

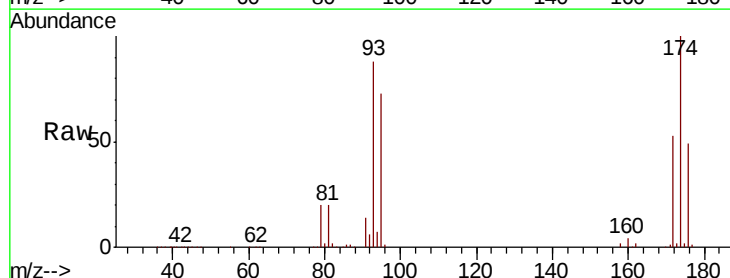
Tgt Ion: 93 Resp: 129268

Ion Ratio Lower Upper

93 100

95 83.1 66.4 99.6

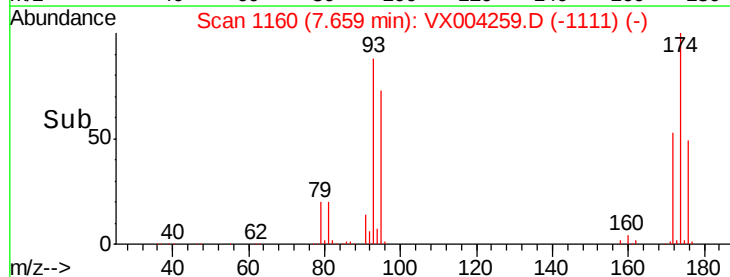
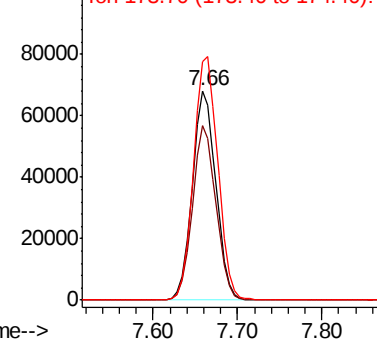
174 119.4 94.3 141.5

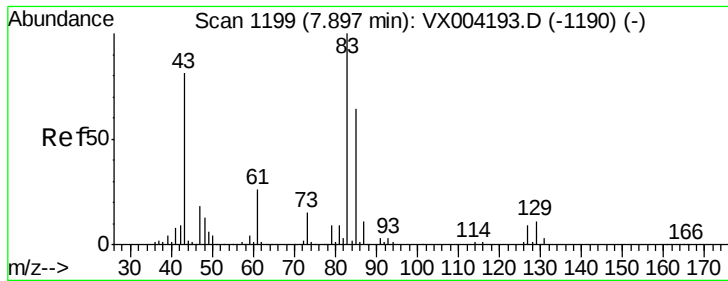


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 50.35 ug/l

RT: 7.90 min Scan# 1199

Delta R.T. 0.00 min

Lab File: VX004259.D

Acq: 27 Aug 2018 11:39

Instrument :

MSVOA_X

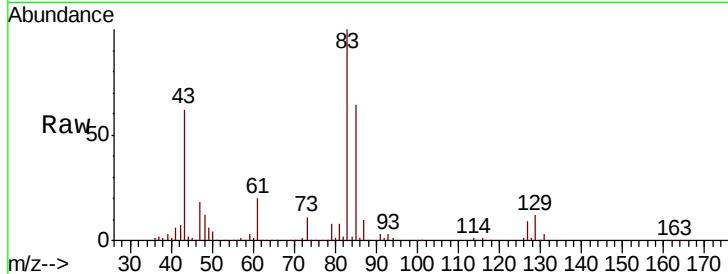
ClientSampleId :

VSTDCCC050

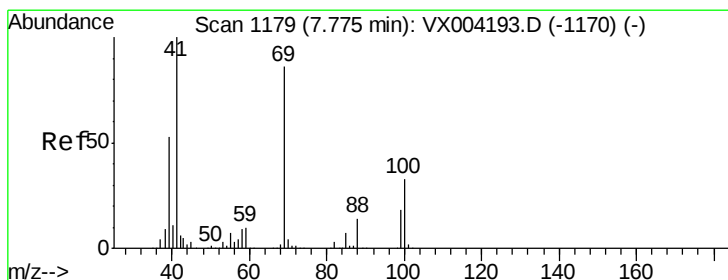
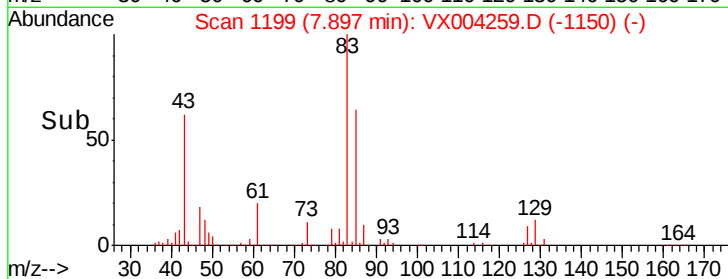
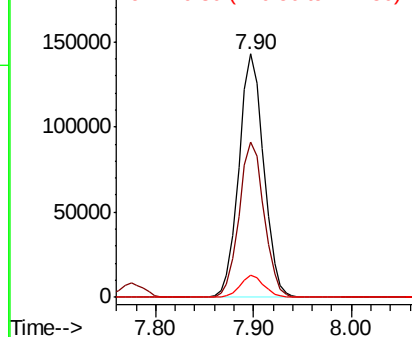
Tot Ion:	83	Resp:	251886
Ion Ratio	Lower	Upper	
83	100		
85	63.5	51.2	76.8
127	8.9	7.2	10.8

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



#48

Methyl methacrylate

Concen: 50.79 ug/l

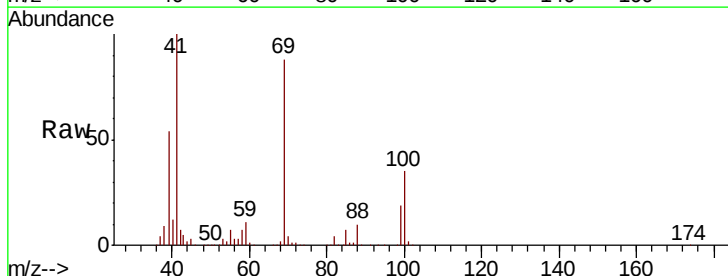
RT: 7.77 min Scan# 1179

Delta R.T. 0.00 min

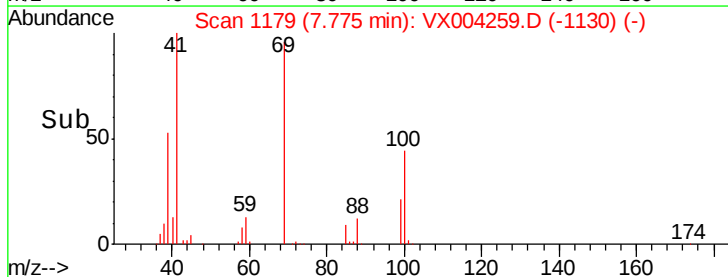
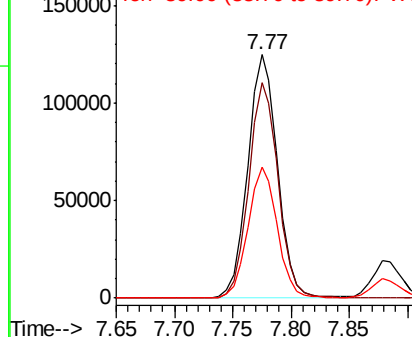
Lab File: VX004259.D

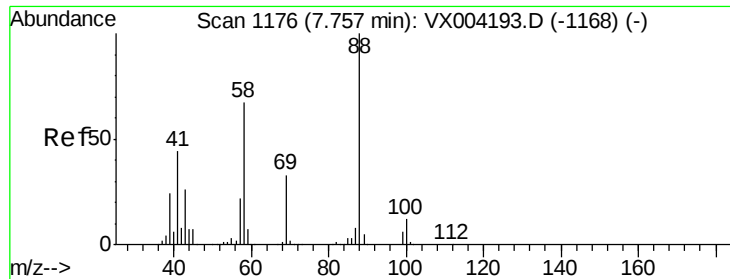
Acq: 27 Aug 2018 11:39

Tgt Ion:	41	Resp:	221750
Ion Ratio	Lower	Upper	
41	100		
69	88.0	68.8	103.2
39	53.2	42.3	63.5



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





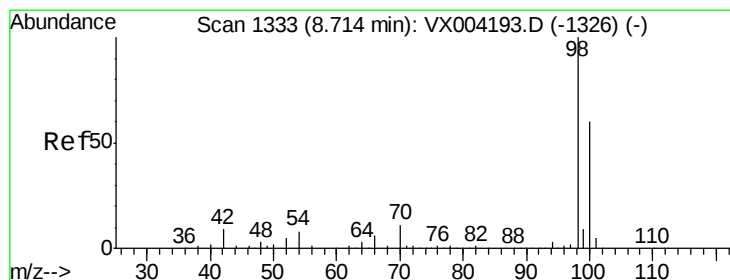
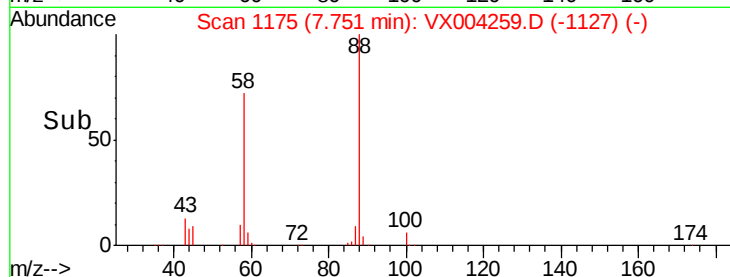
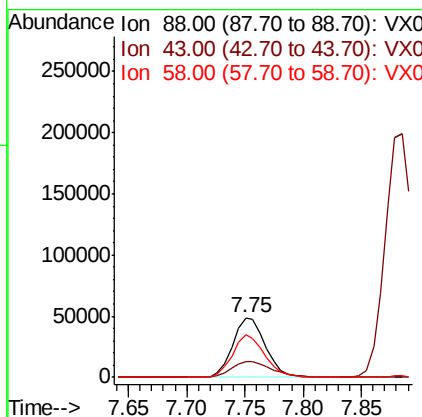
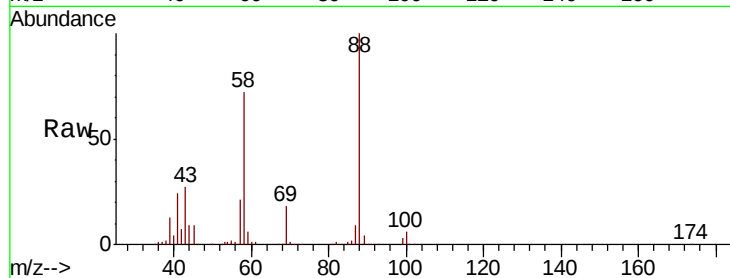
#49
1,4-Dioxane
Concen: 956.25 ug/l
RT: 7.75 min Scan# 1175
Delta R.T. -0.01 min
Lab File: VX004259.D
Acq: 27 Aug 2018 11:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.6	23.8	35.8
58	71.2	55.4	83.0

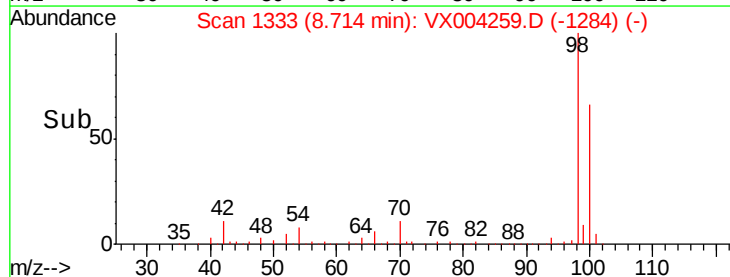
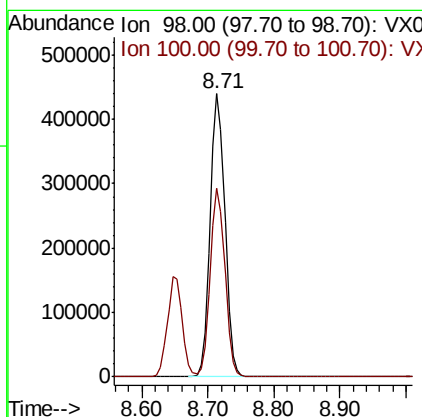
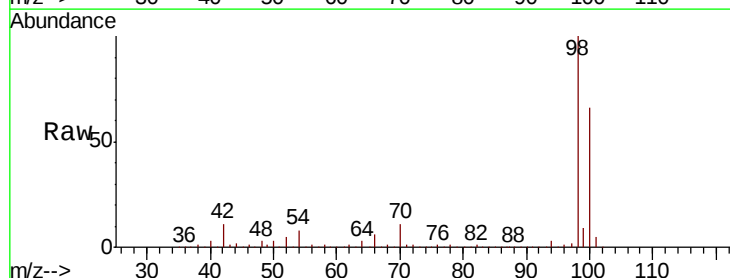
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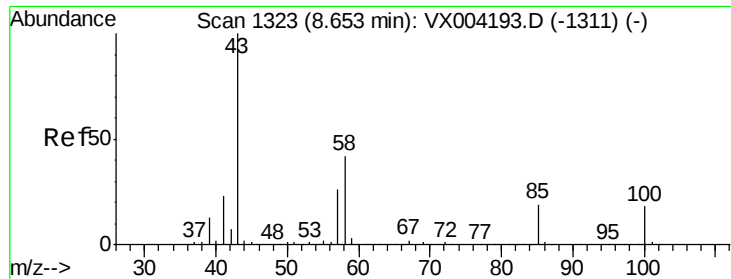
MMDadoda
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#50
Toluene-d8
Concen: 50.51 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. 0.00 min
Lab File: VX004259.D
Acq: 27 Aug 2018 11:39

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 233.27 ug/l

RT: 8.65 min Scan# 1322

Delta R.T. -0.01 min

Lab File: VX004259.D

Acq: 27 Aug 2018 11:39

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 1382965

Ion Ratio Lower Upper

43 100

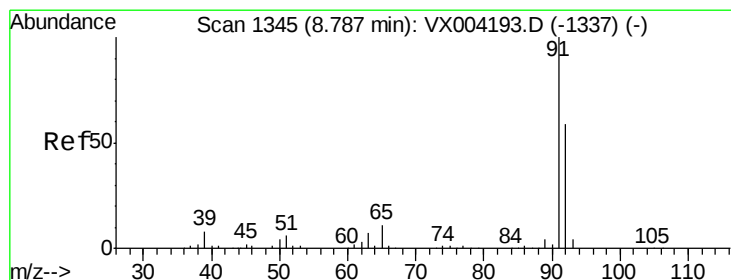
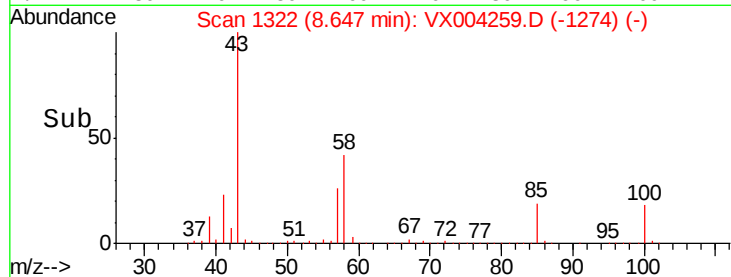
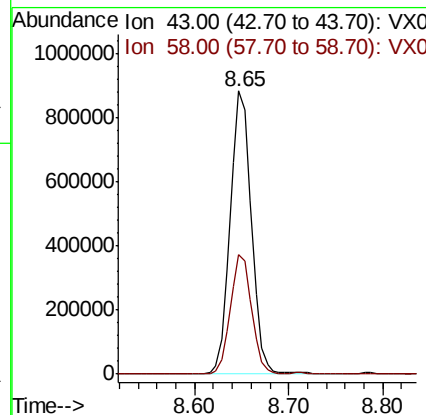
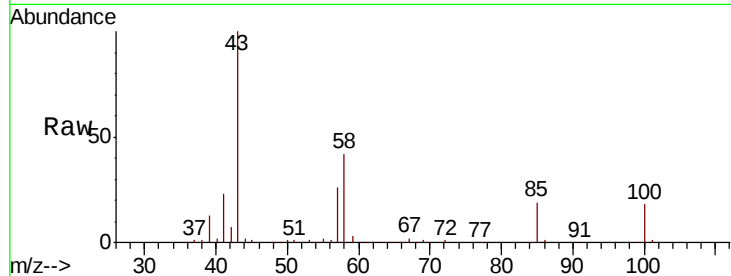
58 41.9 33.0 49.6

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#52

Toluene

Concen: 48.47 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX004259.D

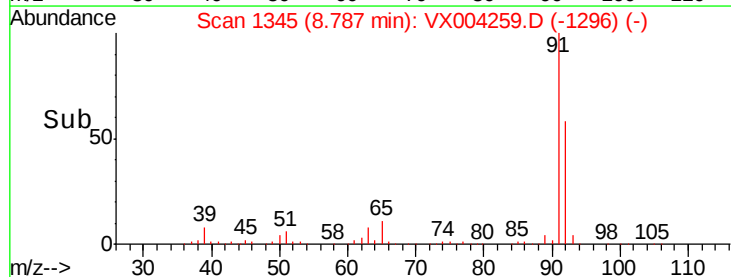
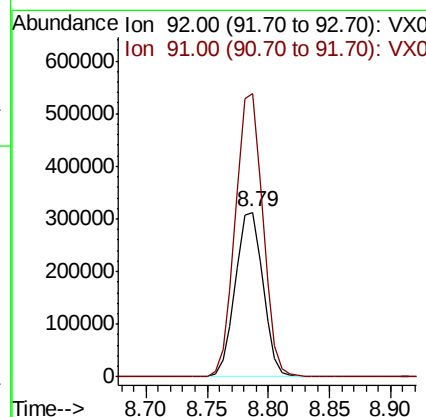
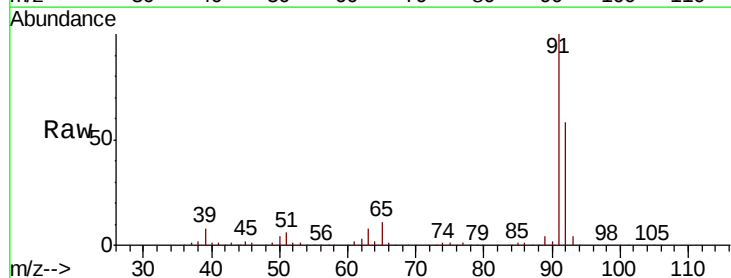
Acq: 27 Aug 2018 11:39

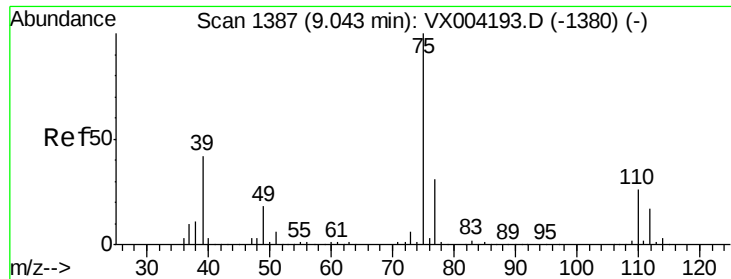
Tgt Ion: 92 Resp: 489494

Ion Ratio Lower Upper

92 100

91 171.1 136.1 204.1





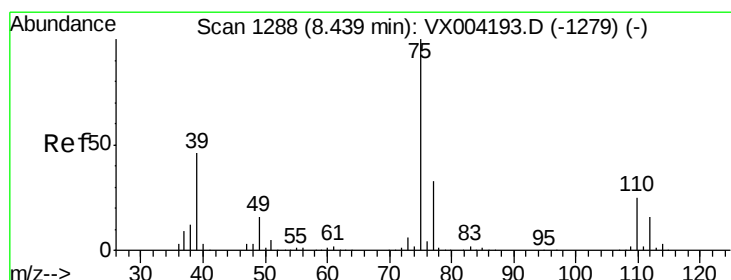
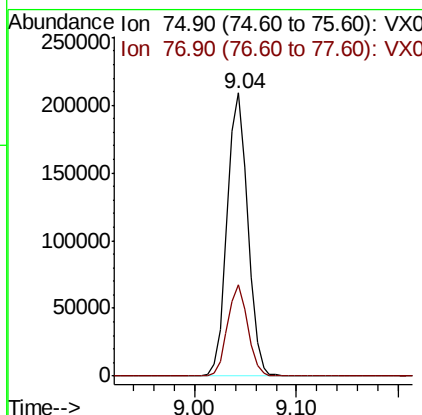
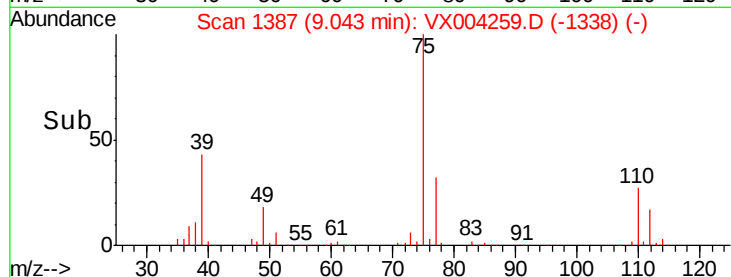
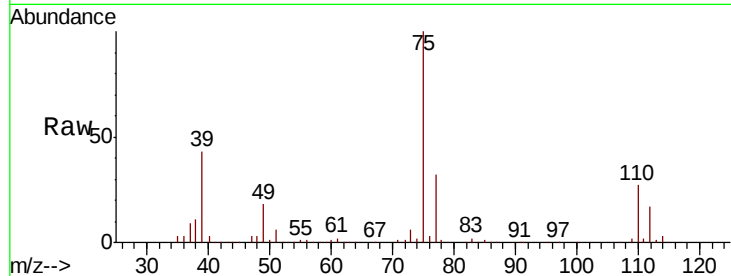
#53
t-1,3-Dichloropropene
Concen: 52.84 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VX004259.D
Acq: 27 Aug 2018 11:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
75	100	291965		
77	32.1		25.1	37.7

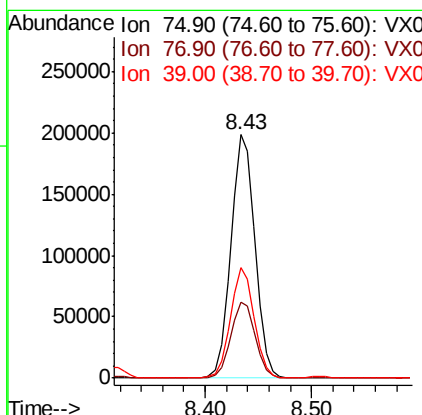
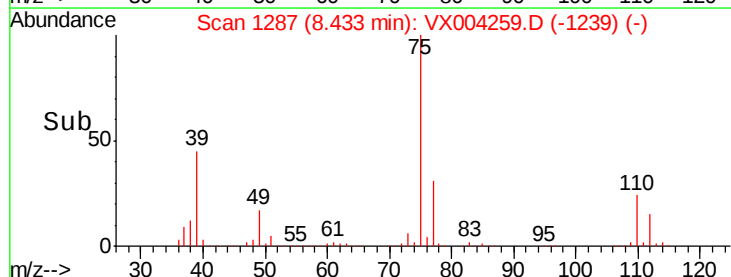
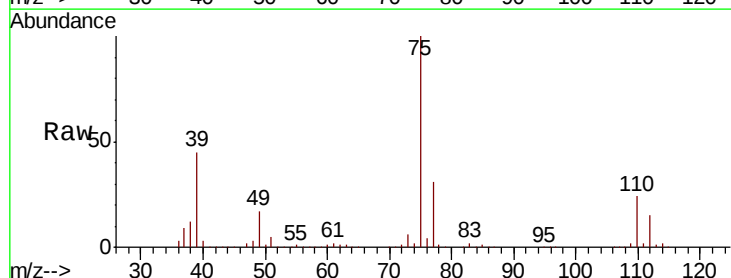
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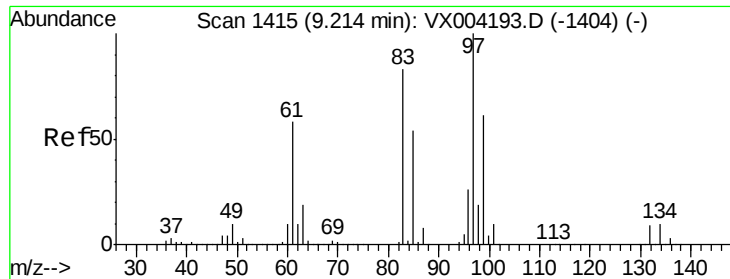
MMDadoda
8/28/2018 3:54:15 PM



#54
cis-1,3-Dichloropropene
Concen: 52.32 ug/l
RT: 8.43 min Scan# 1287
Delta R.T. -0.01 min
Lab File: VX004259.D
Acq: 27 Aug 2018 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	314904		
77	31.1		25.3	37.9
39	45.2		36.2	54.2





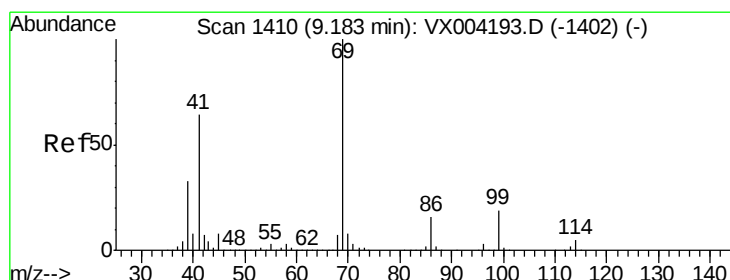
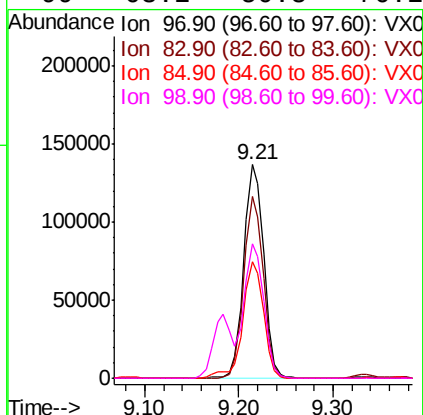
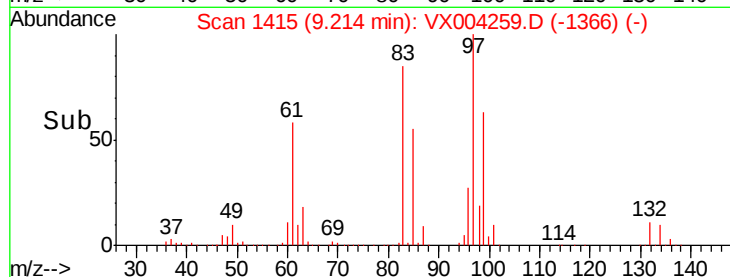
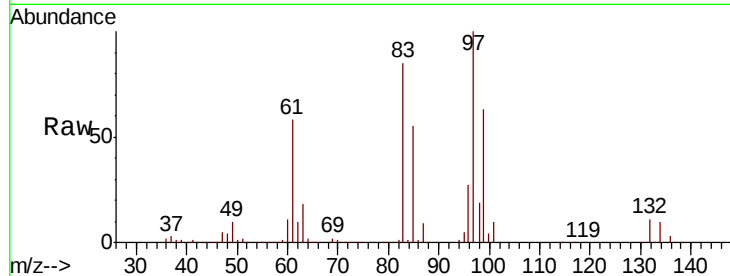
#55
 1,1,2-Trichloroethane
 Concen: 49.70 ug/l
 RT: 9.21 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VX004259.D
 Acq: 27 Aug 2018 11:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		202600		
83	85.3	67.8	101.6		
85	54.7	44.2	66.2		
99	63.2	50.8	76.2		

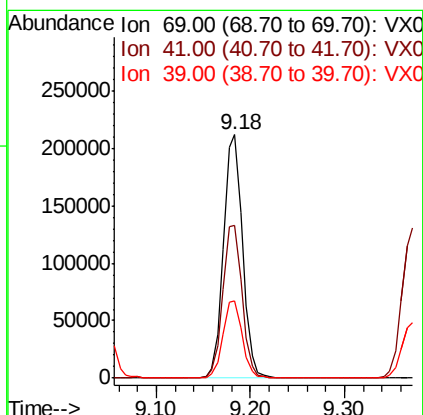
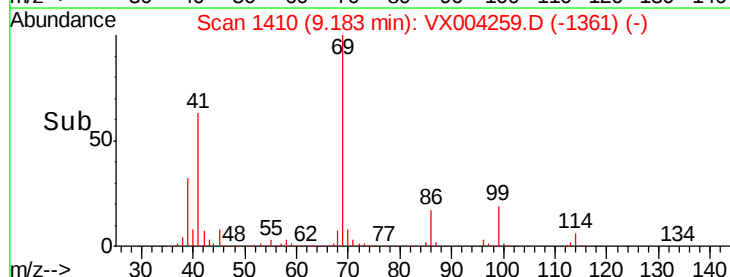
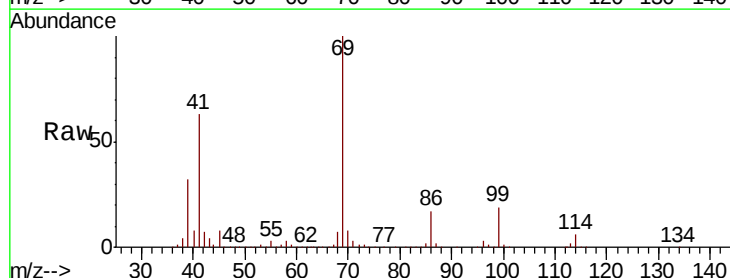
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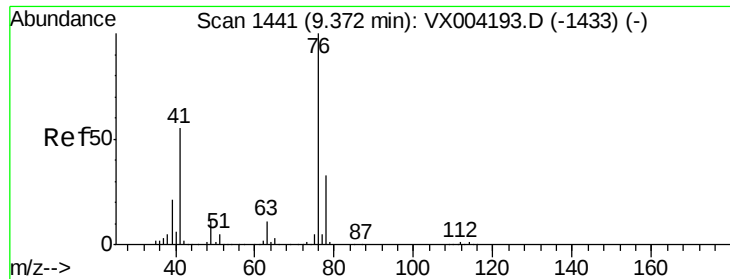
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#56
 Ethyl methacrylate
 Concen: 53.61 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX004259.D
 Acq: 27 Aug 2018 11:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		297507		
41	63.3	50.6	76.0		
39	32.1	25.8	38.6		





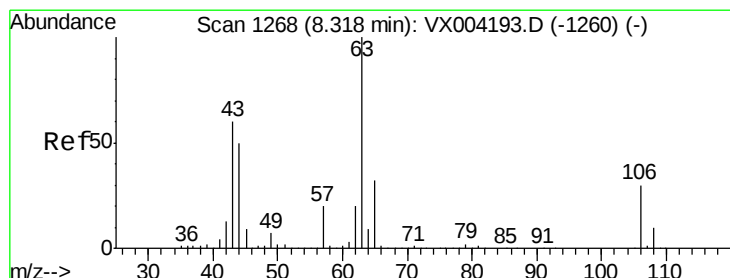
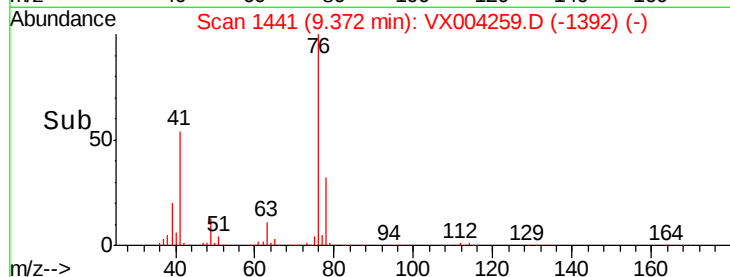
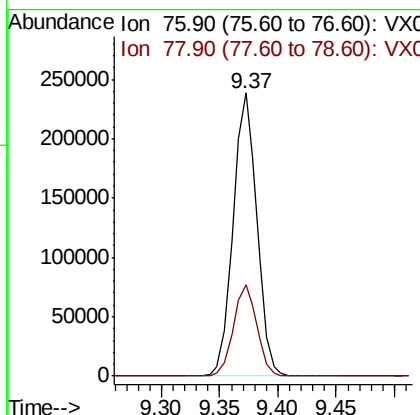
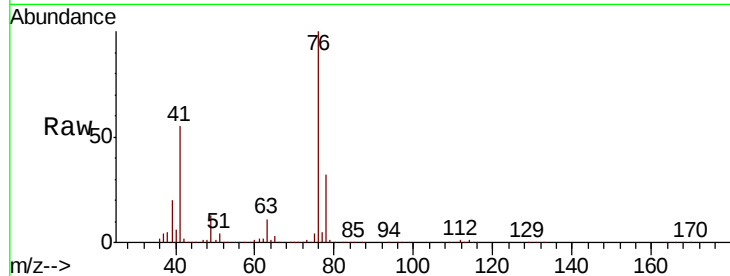
#57
 1,3-Dichloropropane
 Concen: 49.24 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VX004259.D
 Acq: 27 Aug 2018 11:39

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.9	38.9

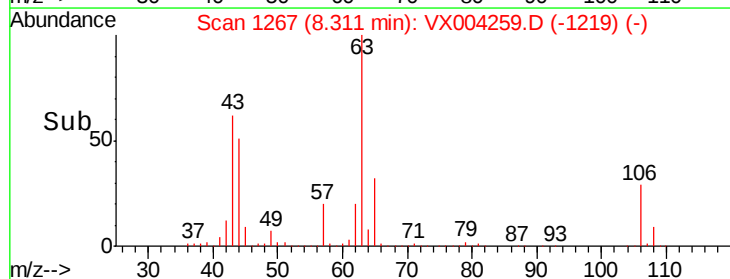
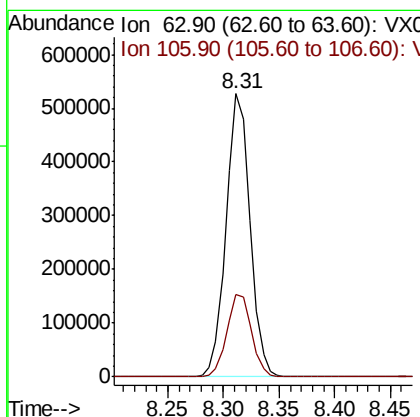
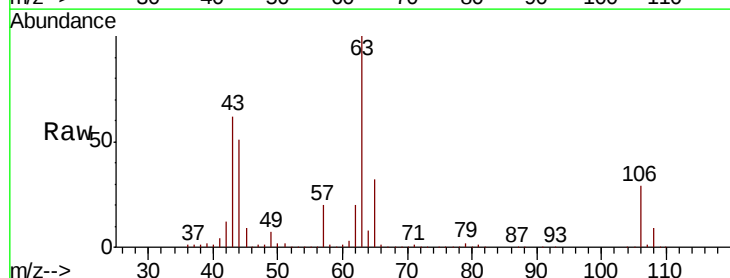
Manual Integrations
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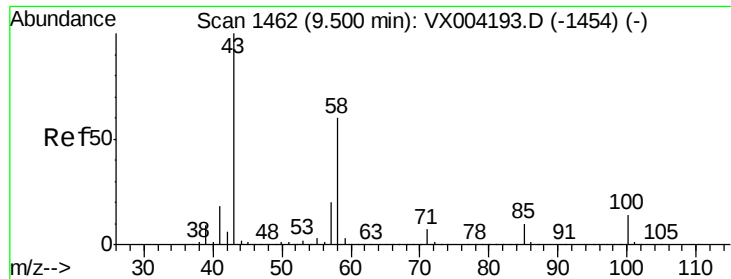
MMDadoda
 8/28/2018 3:54:15 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 275.81 ug/l
 RT: 8.31 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: VX004259.D
 Acq: 27 Aug 2018 11:39

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.9	23.8	35.8





#59

2-Hexanone

Concen: 234.38 ug/l

RT: 9.49 min Scan# 1461

Delta R.T. -0.01 min

Lab File: VX004259.D

Acq: 27 Aug 2018 11:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1060084

Ion Ratio Lower Upper

43 100

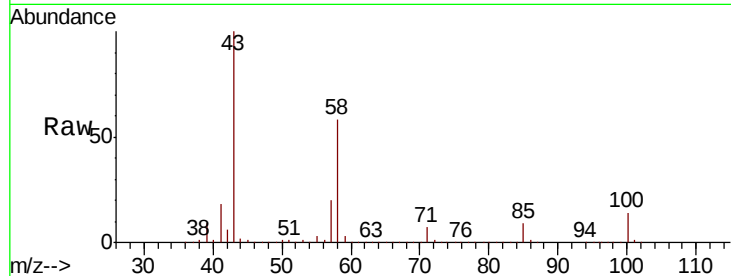
58 58.1 29.0 87.0

Manual Integrations

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MMDadoda

8/28/2018 3:54:15 PM



Abundance Ion 43.00 (42.70 to 43.70): VX004193.D (-1454) (-)

Ion 58.00 (57.70 to 58.70): VX004193.D (-1454) (-)

9.49

800000

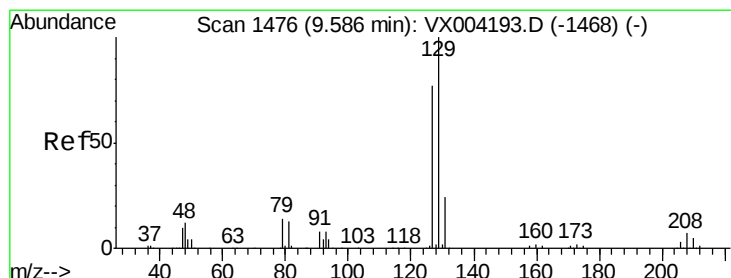
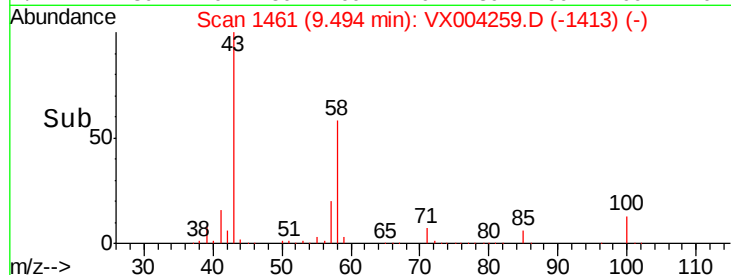
600000

400000

200000

0

Time-->



#60

Dibromochloromethane

Concen: 52.11 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. 0.00 min

Lab File: VX004259.D

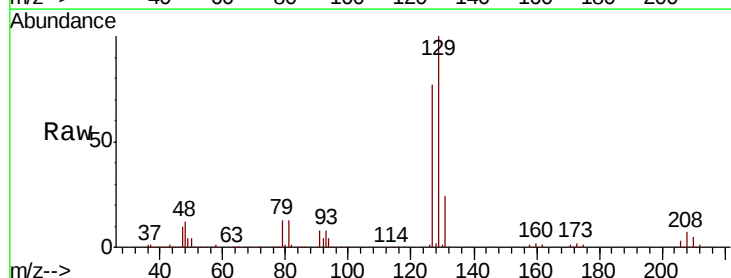
Acq: 27 Aug 2018 11:39

Tgt Ion:129 Resp: 206994

Ion Ratio Lower Upper

129 100

127 77.2 38.8 116.3



Abundance Ion 128.80 (128.50 to 129.50): VX004193.D (-1468) (-)

Ion 126.80 (126.50 to 127.50): VX004193.D (-1468) (-)

9.59

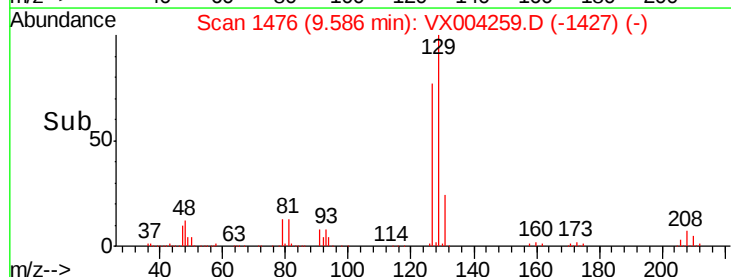
150000

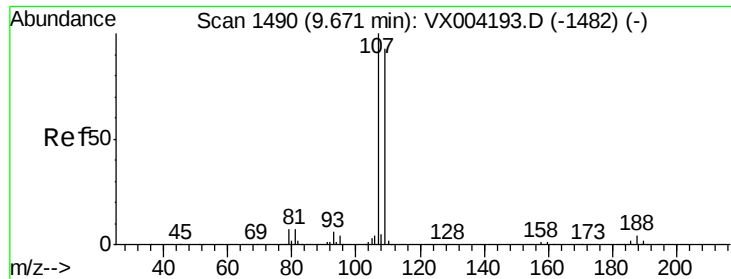
100000

50000

0

Time-->





#61

1,2-Dibromoethane

Concen: 50.23 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. 0.00 min

Lab File: VX004259.D

Acq: 27 Aug 2018 11:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 211931

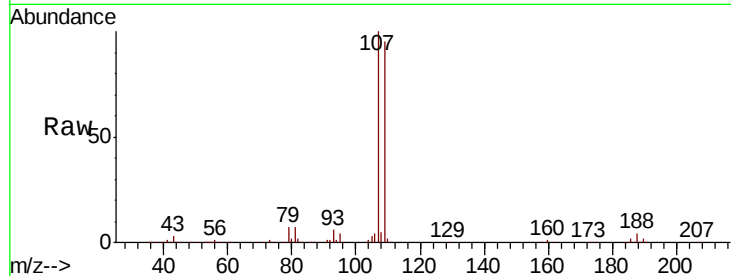
Ion Ratio Lower Upper

107 100

109 93.9 75.8 113.8

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

150000

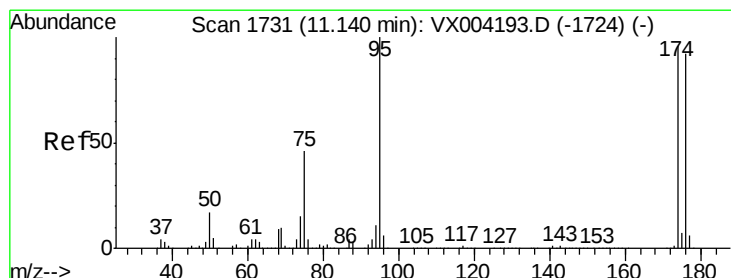
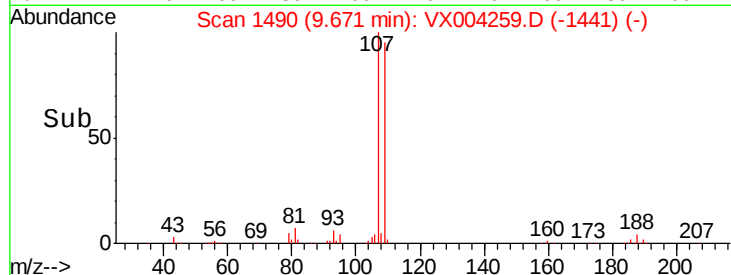
100000

50000

0

9.60 9.70 9.80

Time-->



#62

4-Bromofluorobenzene

Concen: 50.17 ug/l

RT: 11.13 min Scan# 1730

Delta R.T. -0.01 min

Lab File: VX004259.D

Acq: 27 Aug 2018 11:39

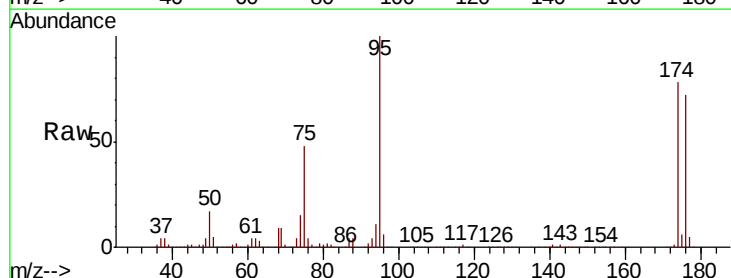
Tgt Ion: 95 Resp: 252446

Ion Ratio Lower Upper

95 100

174 90.3 0.0 182.8

176 85.9 0.0 179.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

150000

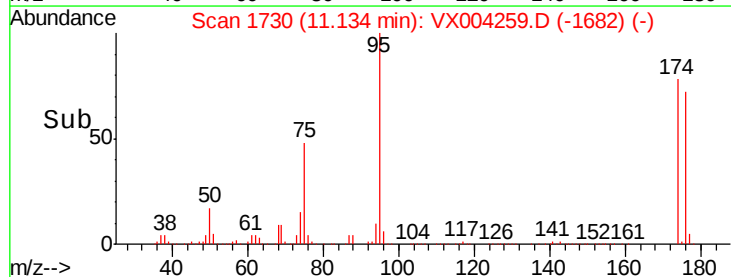
100000

50000

0

11.10 11.20

Time-->





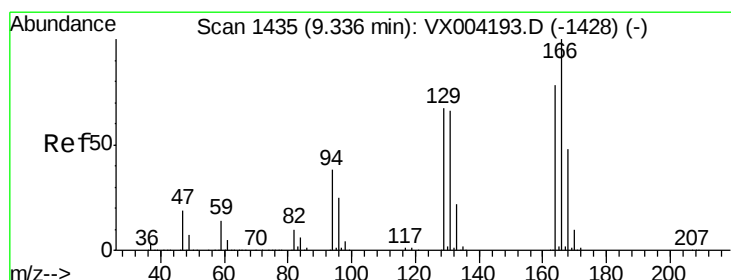
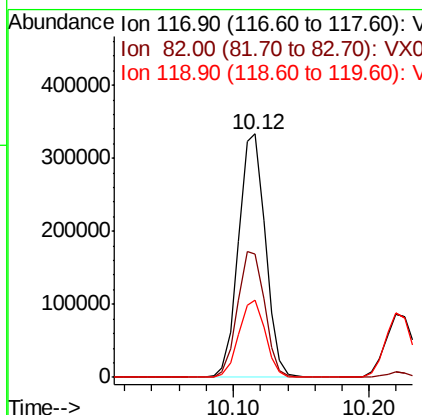
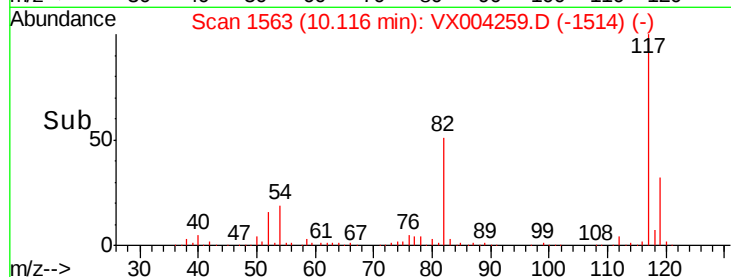
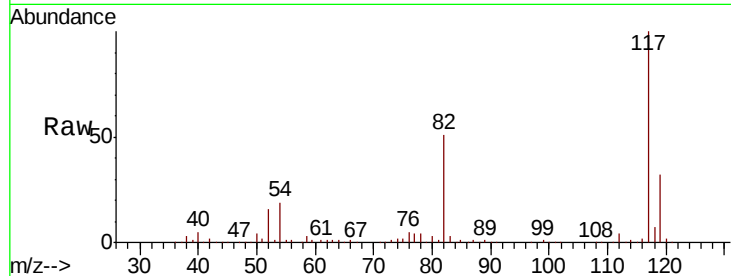
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX004259.D
Acq: 27 Aug 2018 11:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.8	45.4	68.0
119	31.9	26.6	40.0

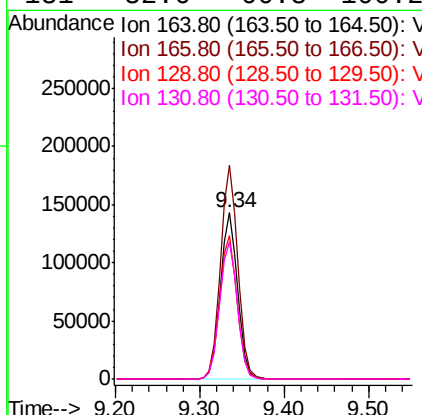
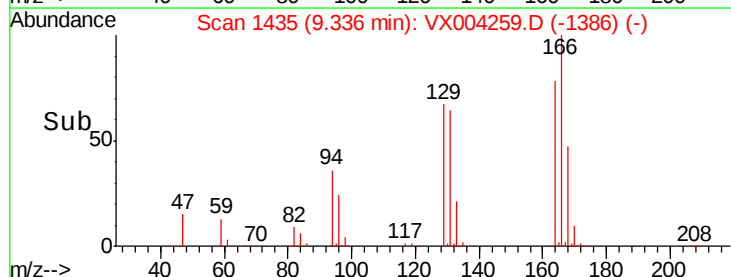
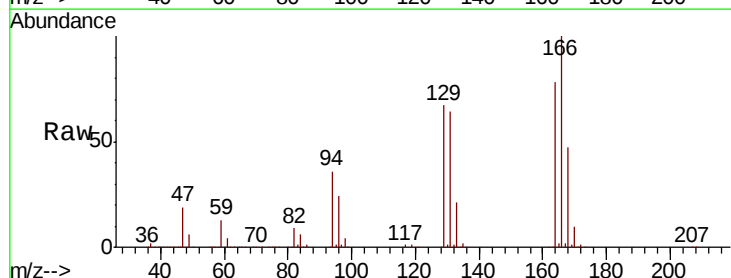
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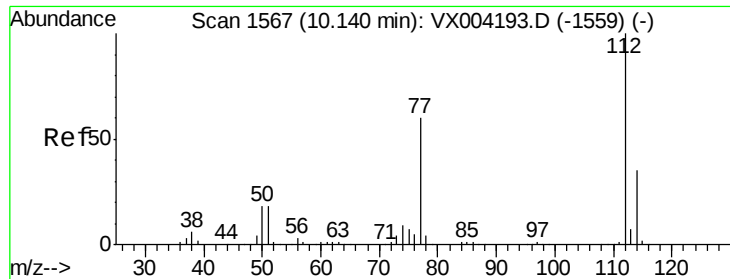
MMDadoda
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#64
Tetrachloroethene
Concen: 44.95 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX004259.D
Acq: 27 Aug 2018 11:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.7	98.0	147.0
129	86.7	64.3	96.5
131	82.6	66.8	100.2





#65

Chlorobenzene

Concen: 45.64 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX004259.D

Acq: 27 Aug 2018 11:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 524524

Ion Ratio Lower Upper

112 100

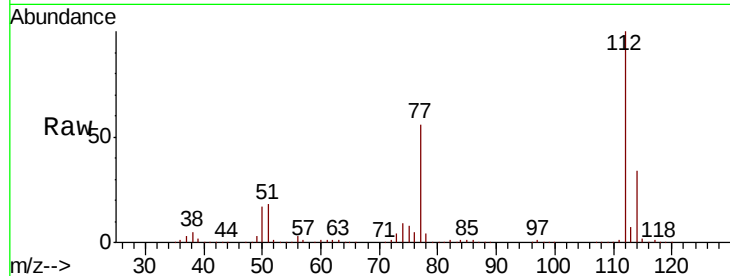
114 34.0 23.6 35.4

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

400000

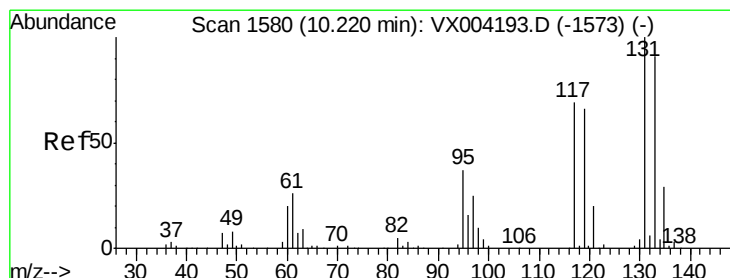
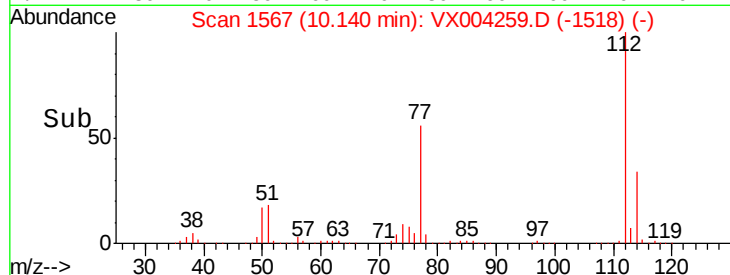
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 46.72 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.01 min

Lab File: VX004259.D

Acq: 27 Aug 2018 11:39

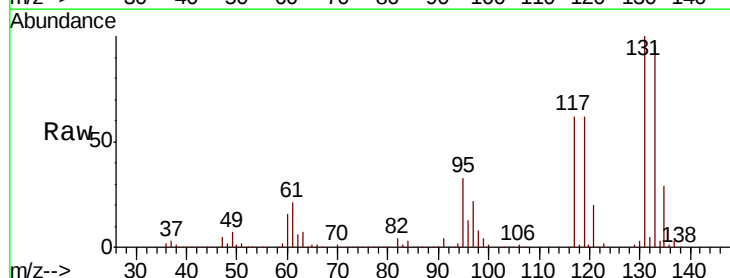
Tgt Ion:131 Resp: 185200

Ion Ratio Lower Upper

131 100

133 97.1 47.3 141.8

119 65.4 31.6 94.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.23

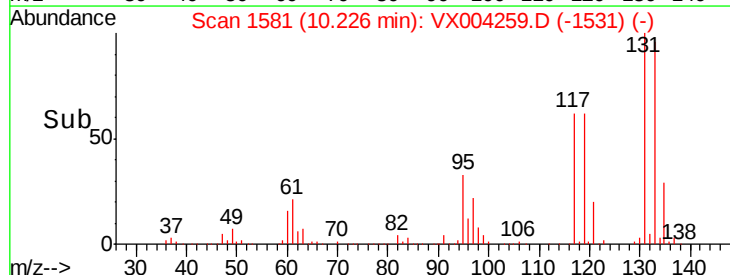
150000

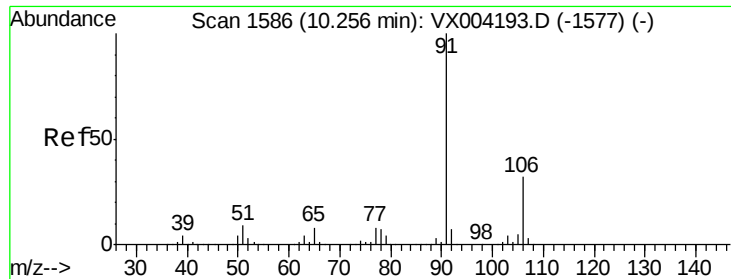
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 46.84 ug/l

RT: 10.25 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VX004259.D

Acq: 27 Aug 2018 11:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 874266

Ion Ratio Lower Upper

91 100

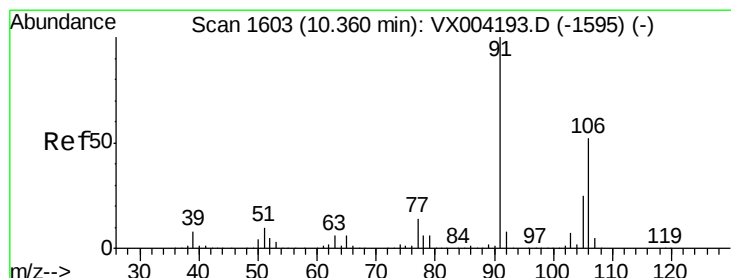
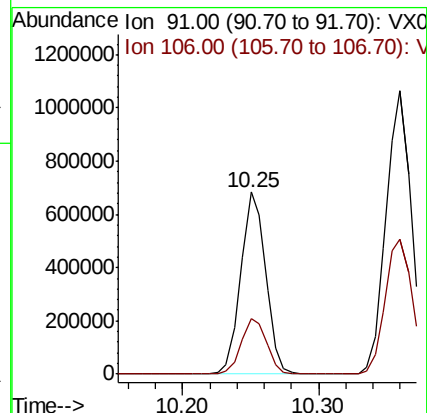
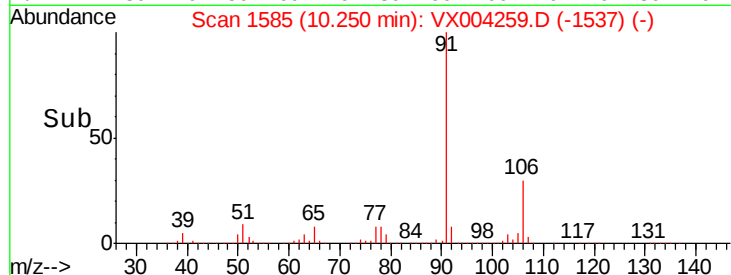
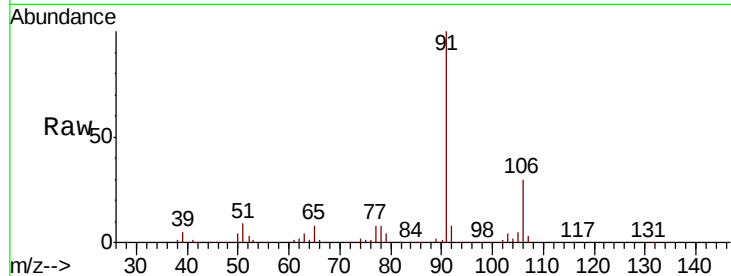
106 30.2 25.9 38.9

Manual Integrations

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#68

m/p-Xylenes

Concen: 96.15 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX004259.D

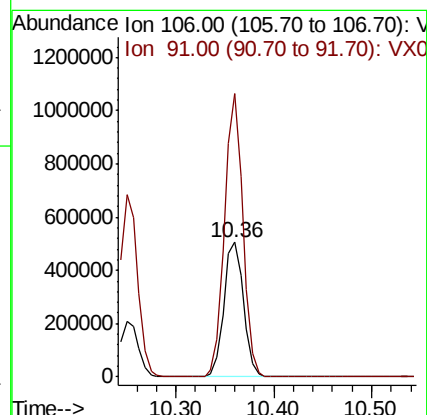
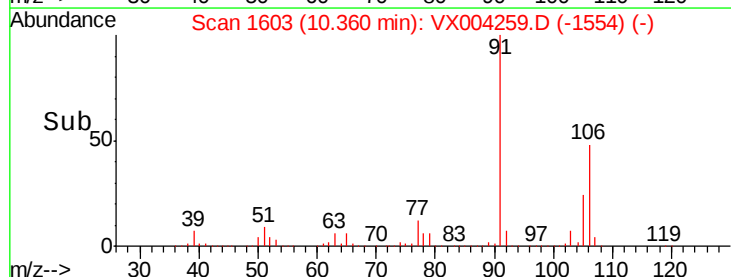
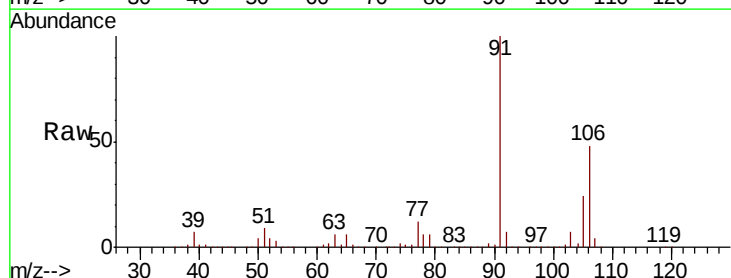
Acq: 27 Aug 2018 11:39

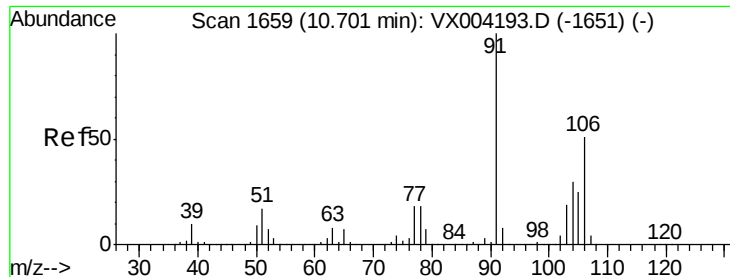
Tgt Ion: 106 Resp: 701759

Ion Ratio Lower Upper

106 100

91 197.2 162.3 243.5





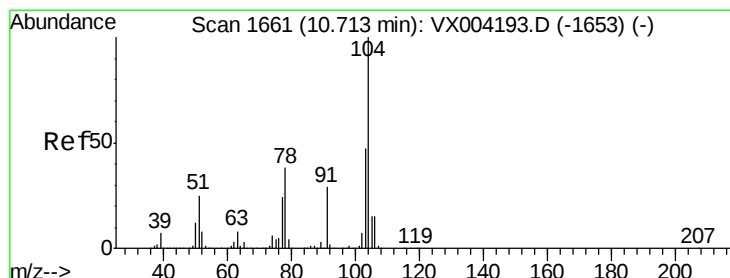
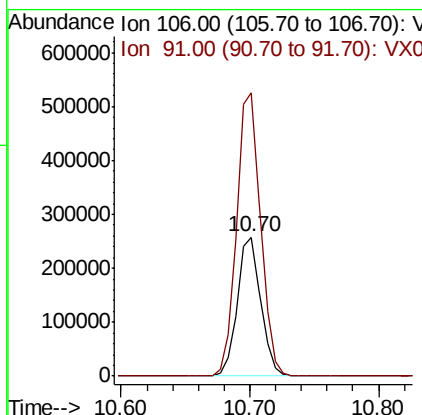
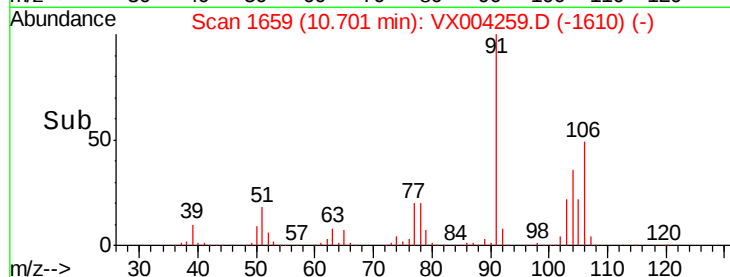
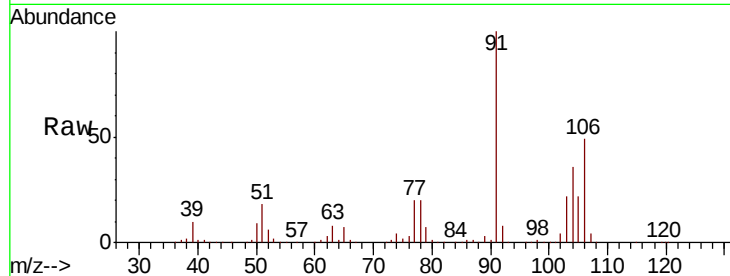
#69
o-Xylene
Concen: 47.05 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX004259.D
Acq: 27 Aug 2018 11:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.8	101.9	305.7

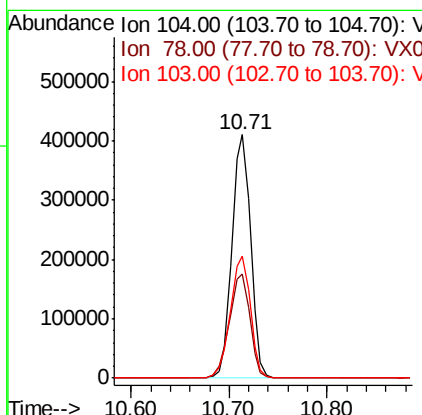
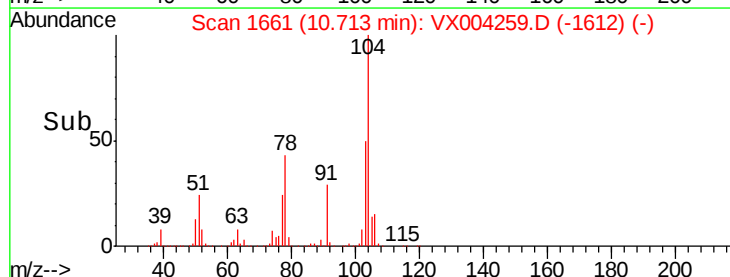
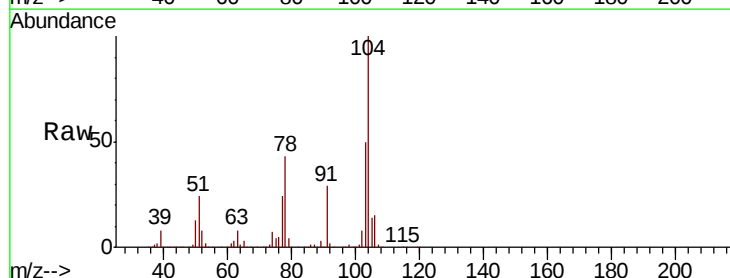
Manual Integrations
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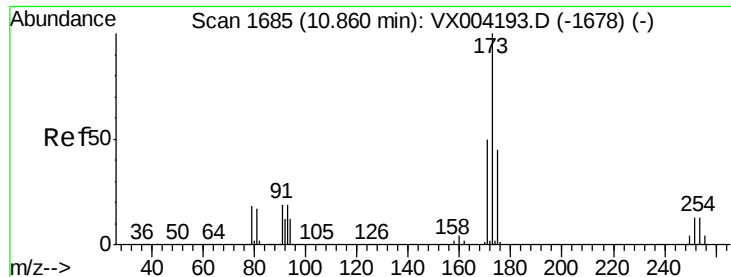
MMDadoda
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#70
Styrene
Concen: 48.71 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX004259.D
Acq: 27 Aug 2018 11:39

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.4	39.8	59.6
103	54.2	44.3	66.5





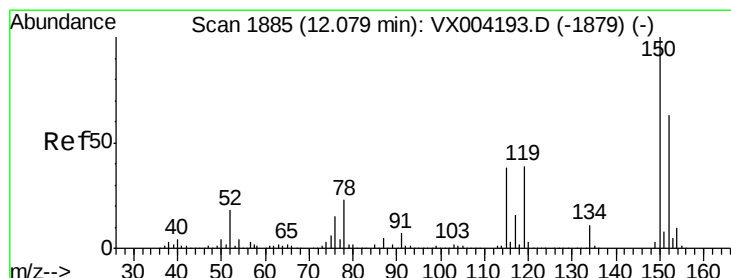
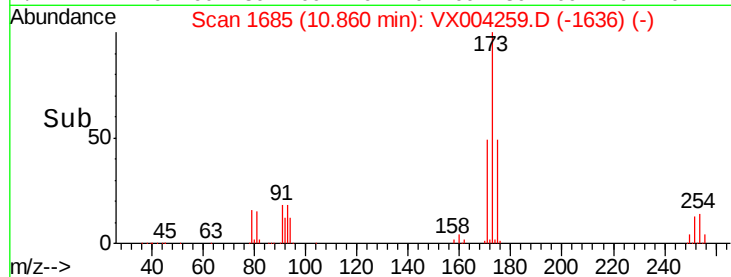
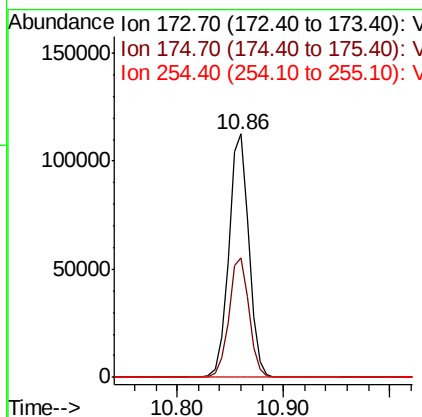
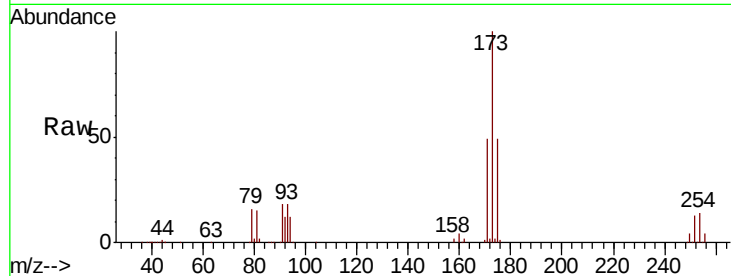
#71
Bromoform
Concen: 46.47 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX004259.D
Acq: 27 Aug 2018 11:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.9	74.7
254	0.2	0.2	0.2

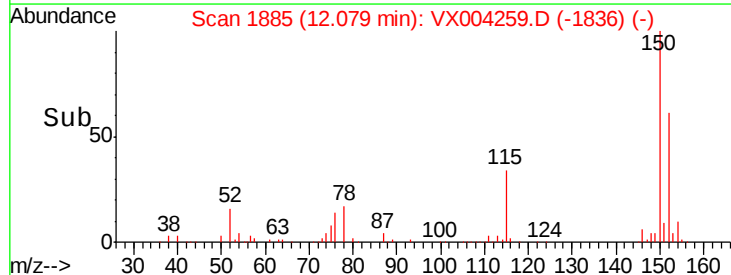
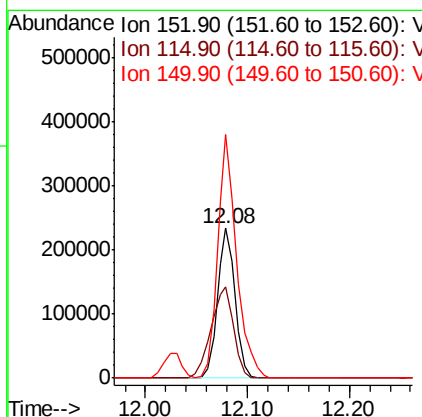
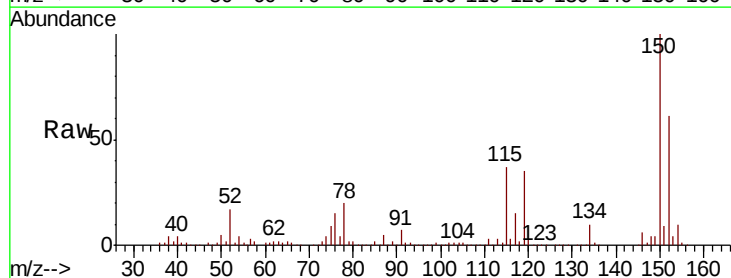
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX004259.D
Acq: 27 Aug 2018 11:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	77.6	39.1	117.3
150	175.1	0.0	349.2





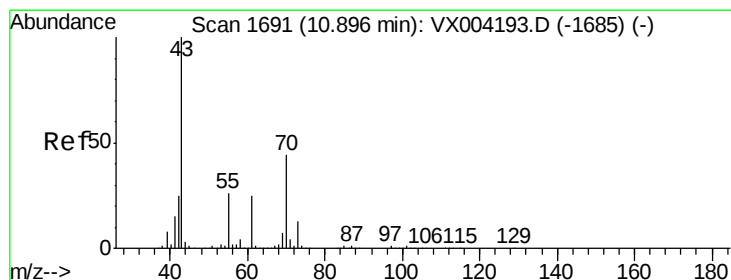
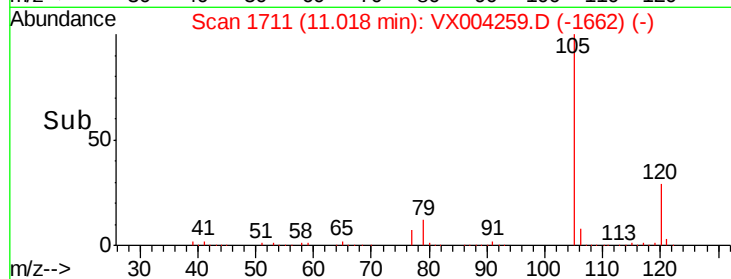
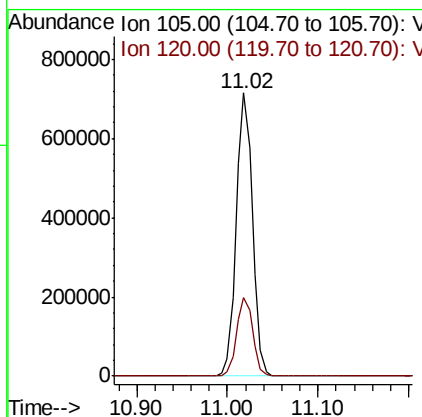
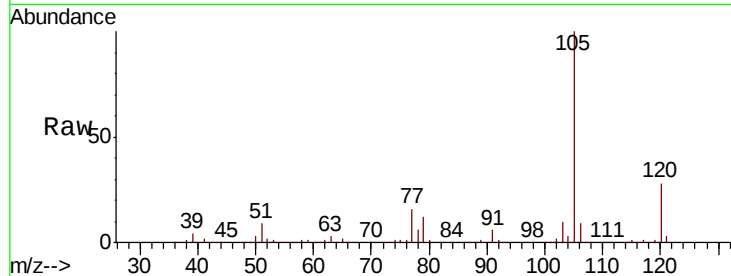
#73
Isopropylbenzene
Concen: 47.73 ug/l
RT: 11.02 min Scan# 1711
Delta R.T. 0.00 min
Lab File: VX004259.D
Acq: 27 Aug 2018 11:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.6	12.6	37.8

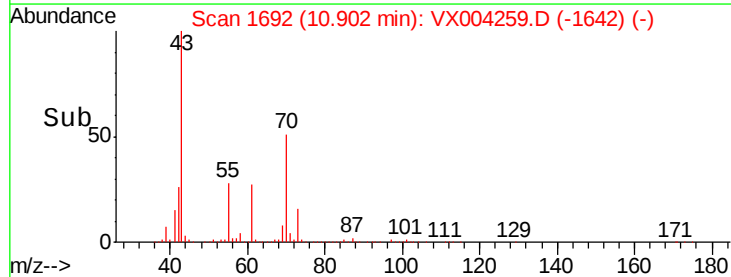
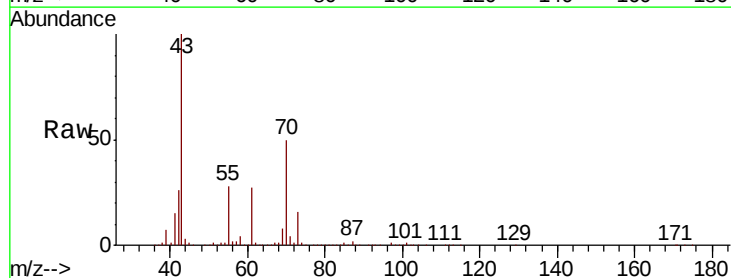
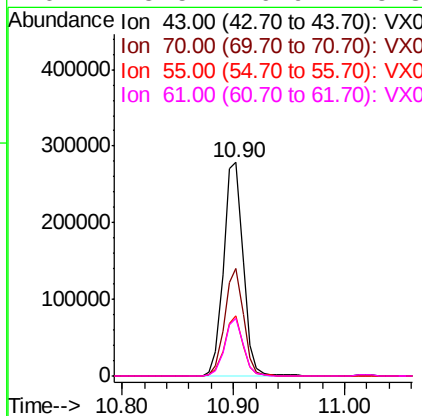
Manual Integrations
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#74
N-ethyl acetate
Concen: 47.72 ug/l
RT: 10.90 min Scan# 1692
Delta R.T. 0.01 min
Lab File: VX004259.D
Acq: 27 Aug 2018 11:39

Tgt Ion	Ratio	Lower	Upper
43	100		
70	48.5	0.0	0.0#
55	26.4	0.1	0.1#
61	25.5	16.9	25.3#





#75

1,1,2,2-Tetrachloroethane

Concen: 44.96 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX004259.D

Acq: 27 Aug 2018 11:39

Instrument :

MSVOA_X

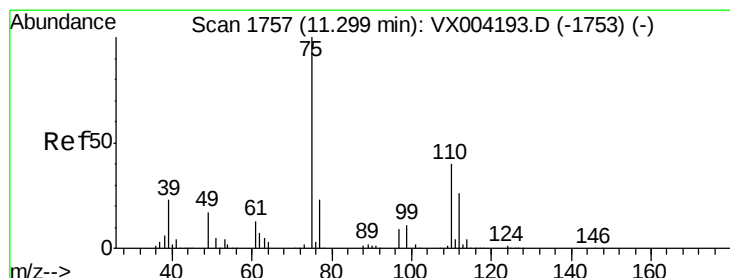
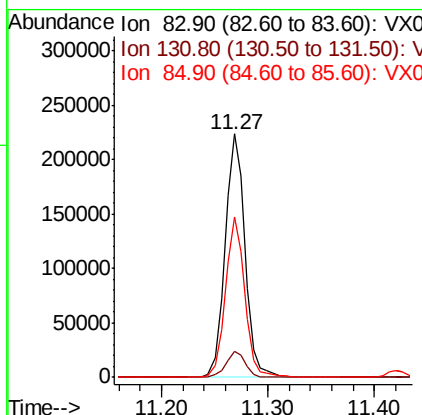
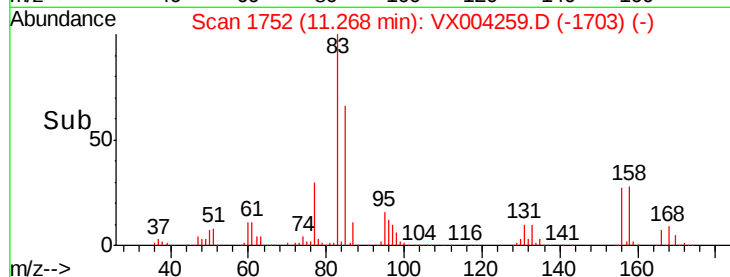
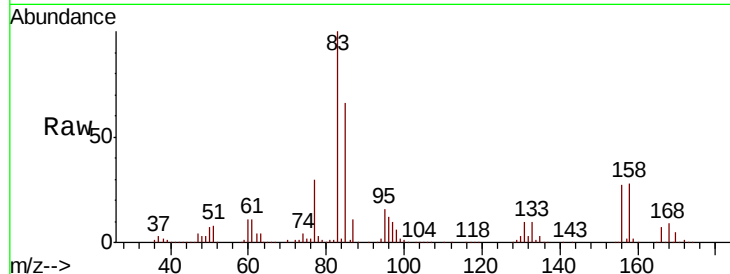
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	291551
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.2	15.6
85	64.2	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 46.89 ug/l m

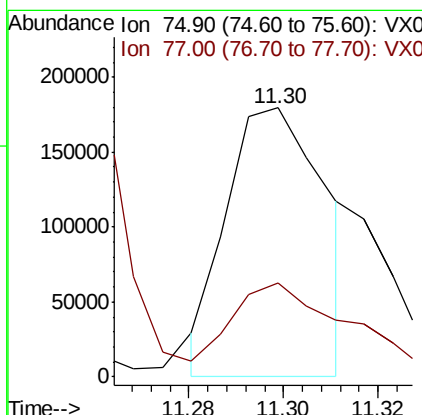
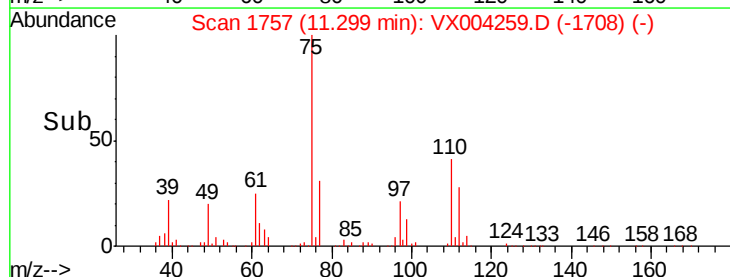
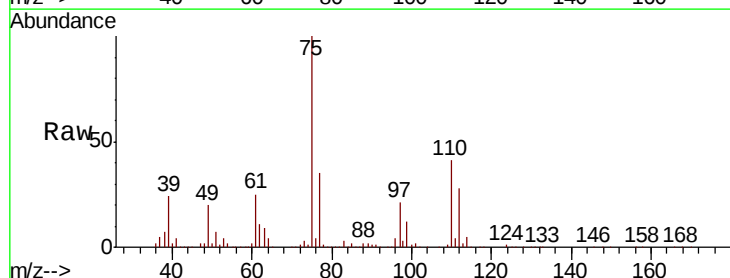
RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX004259.D

Acq: 27 Aug 2018 11:39

Tgt Ion:	75	Resp:	259700
Ion Ratio	Lower	Upper	
75	100		
77	42.0	20.8	62.5





#77

Bromobenzene

Concen: 45.69 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX004259.D

Acq: 27 Aug 2018 11:39

Instrument :

MSVOA_X

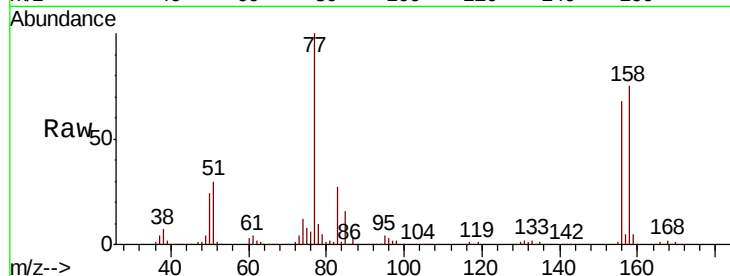
ClientSampleId :

VSTDCCC050

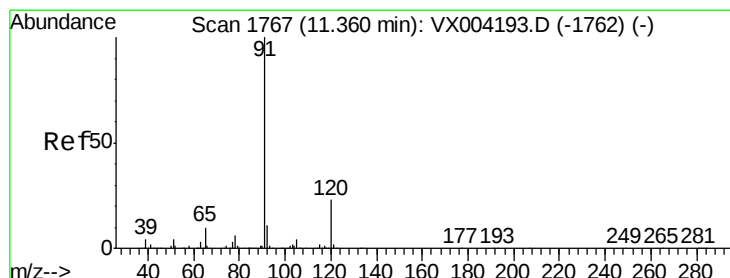
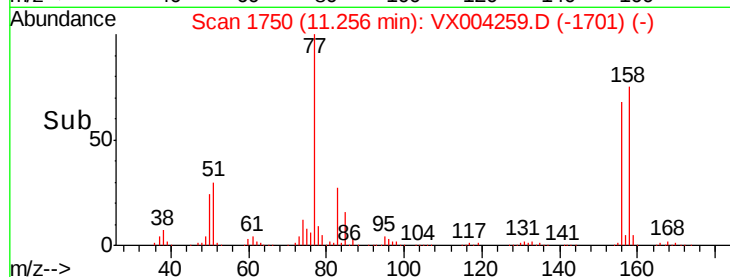
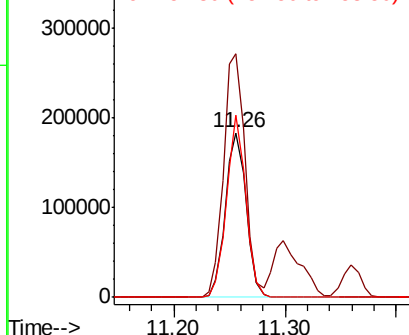
Tot Ion:	156	Resp:	237514
Ion Ratio	Lower	Upper	
156	100		
77	152.8	74.1	222.2
158	101.8	48.6	145.9

Manual Integrations
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8/28/2018 3:54:15 PM



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: 48.34 ug/l

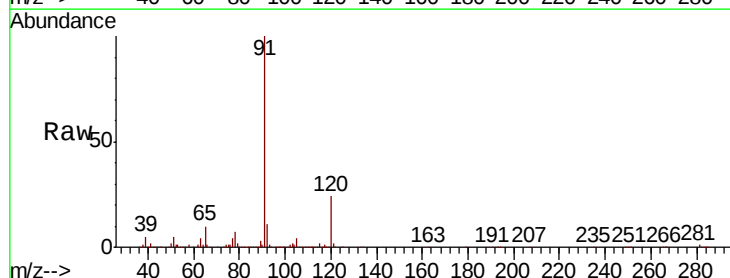
RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

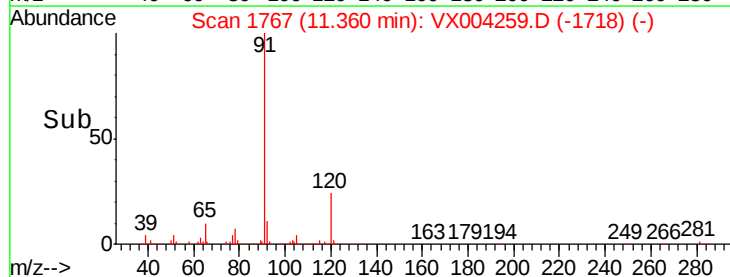
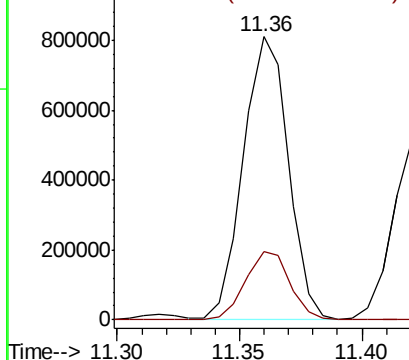
Lab File: VX004259.D

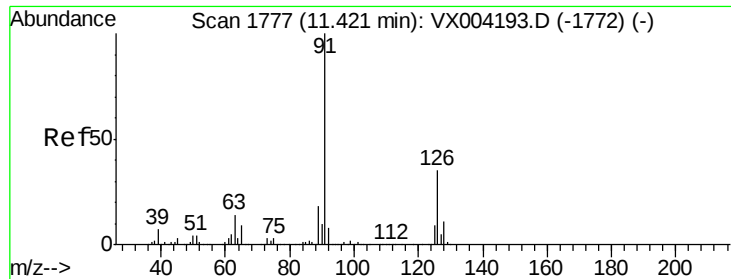
Acq: 27 Aug 2018 11:39

Tgt Ion:	91	Resp:	1030394
Ion Ratio	Lower	Upper	
91	100		
120	24.0	11.9	35.5



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





#79

2-Chlorotoluene

Concen: 46.11 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. 0.00 min

Lab File: VX004259.D

Acq: 27 Aug 2018 11:39

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 604938

Ion Ratio Lower Upper

91 100

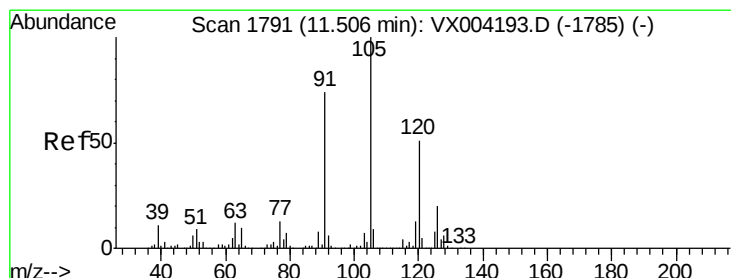
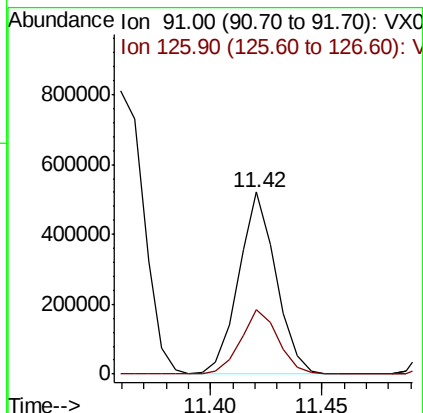
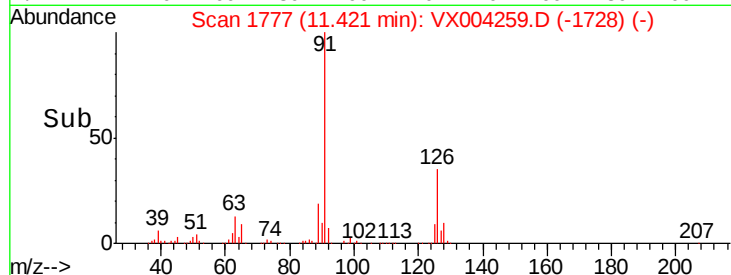
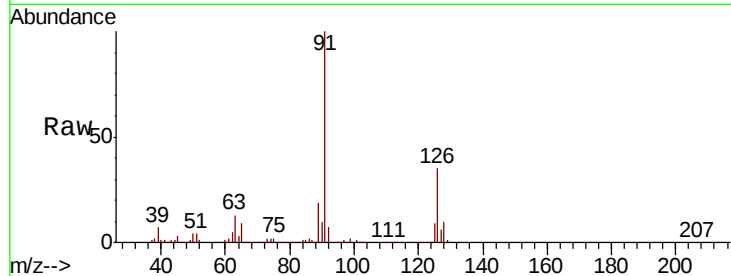
126 35.9 17.4 52.3

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#80

1,3,5-Trimethylbenzene

Concen: 49.14 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX004259.D

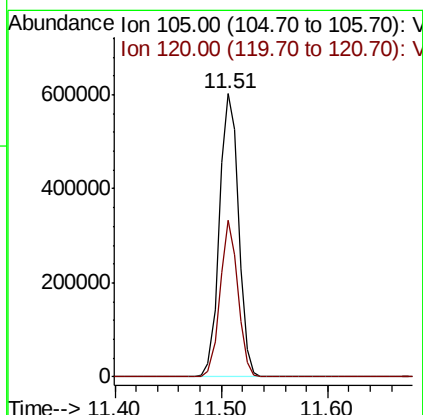
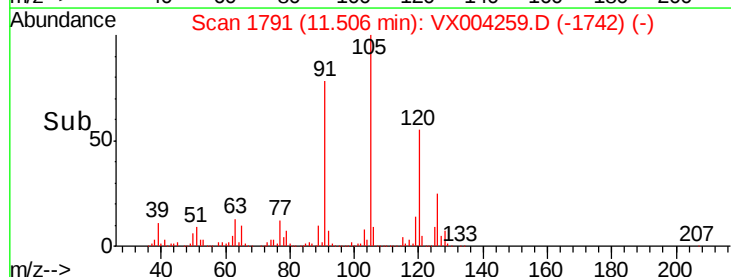
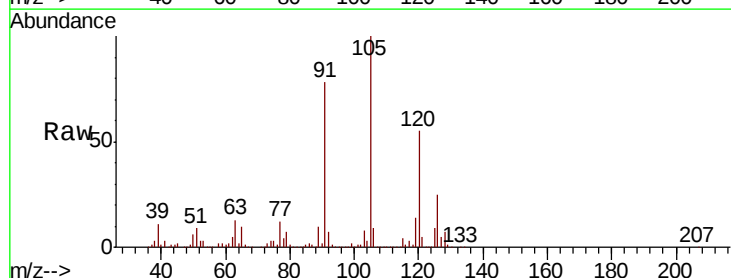
Acq: 27 Aug 2018 11:39

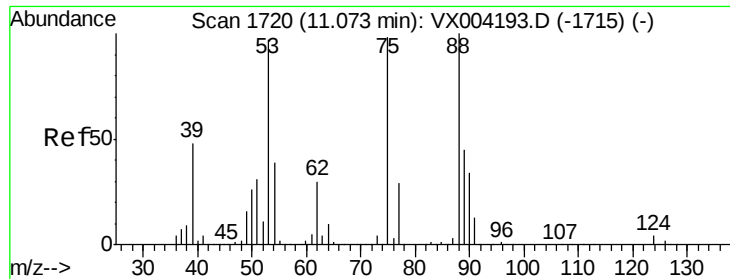
Tgt Ion: 105 Resp: 754145

Ion Ratio Lower Upper

105 100

120 51.4 25.4 76.2





#81

trans-1,4-Dichloro-2-butene

Concen: 50.27 ug/l

RT: 11.07 min Scan# 1720

Delta R.T. 0.00 min

Lab File: VX004259.D

Acq: 27 Aug 2018 11:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 88910

Ion Ratio Lower Upper

75 100

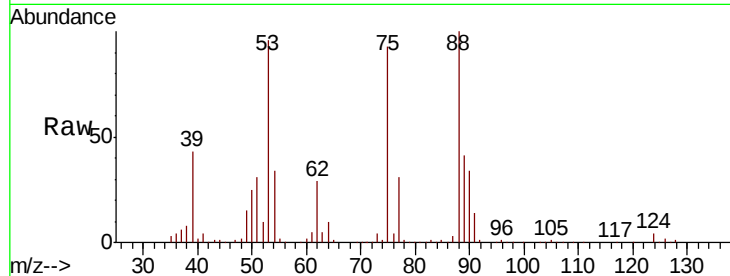
53 97.2 80.3 120.5

89 46.5 37.8 56.8

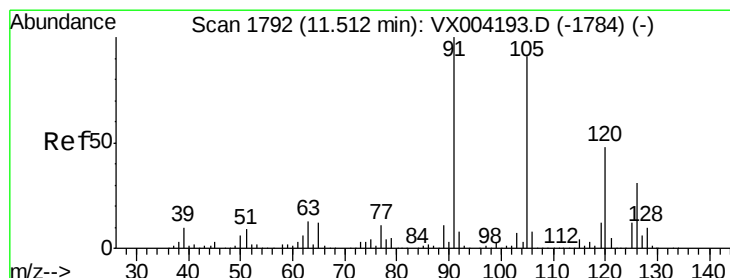
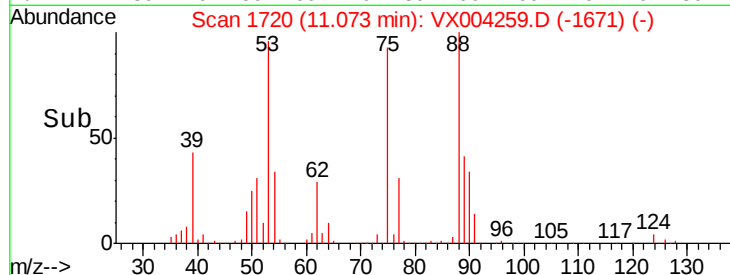
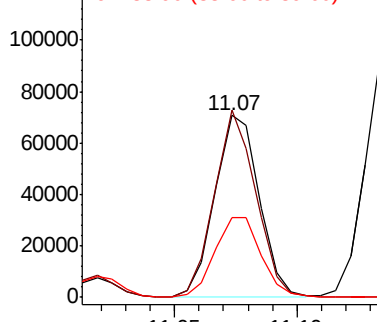
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Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 45.38 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX004259.D

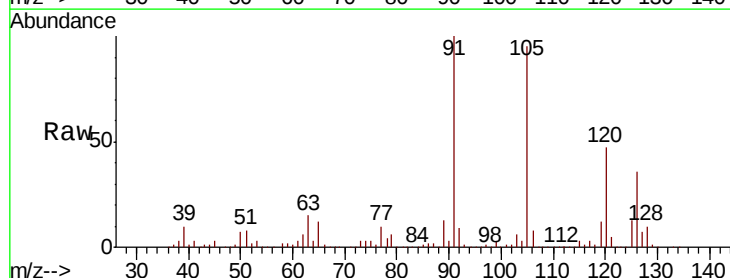
Acq: 27 Aug 2018 11:39

Tgt Ion: 91 Resp: 700547

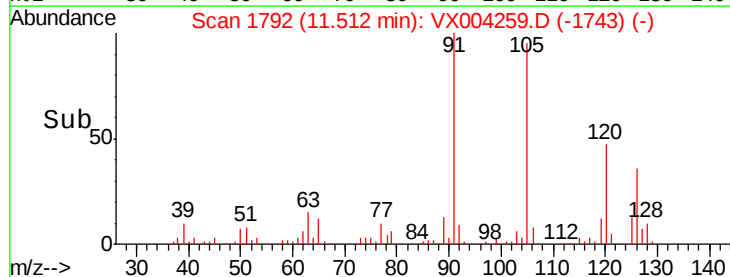
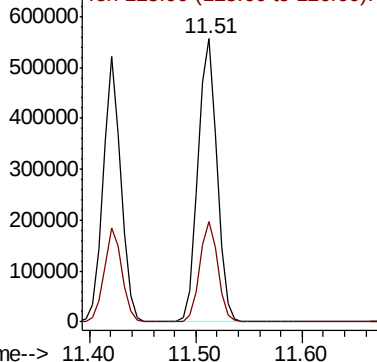
Ion Ratio Lower Upper

91 100

126 33.8 15.6 46.7



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





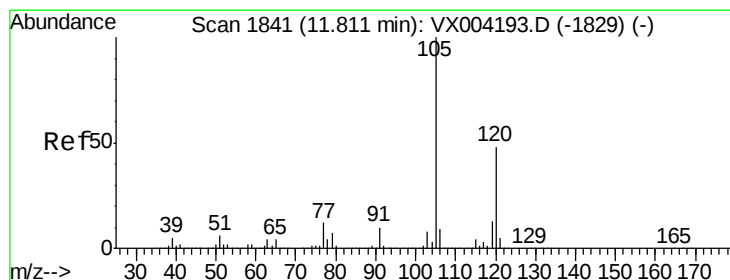
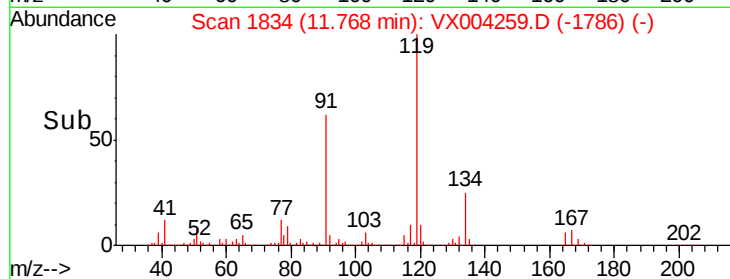
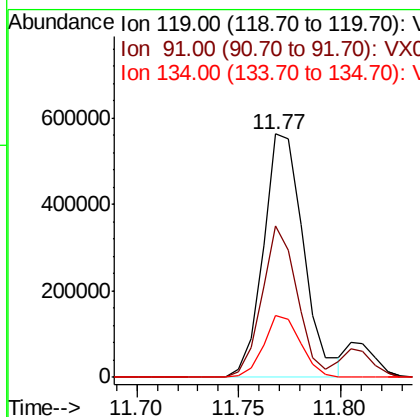
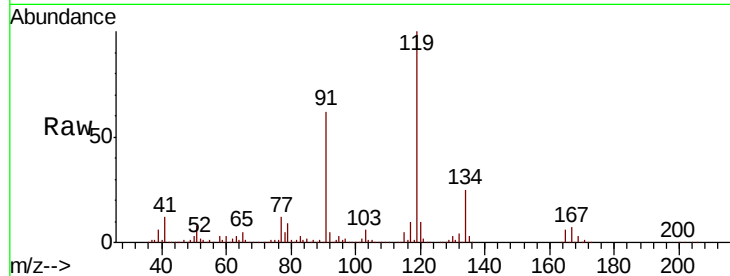
#83
 tert-Butylbenzene
 Concen: 50.20 ug/l
 RT: 11.77 min Scan# 1834
 Delta R.T. -0.01 min
 Lab File: VX004259.D
 Acq: 27 Aug 2018 11:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	54.4	26.9	80.7
134	23.3	12.0	36.0

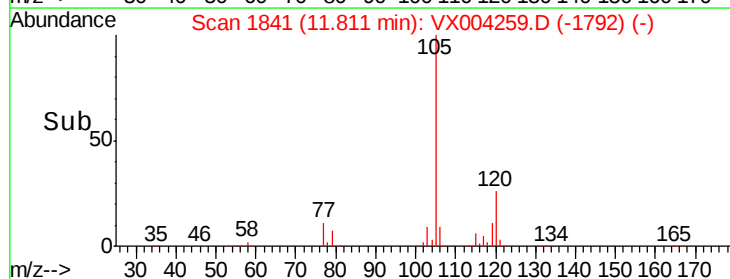
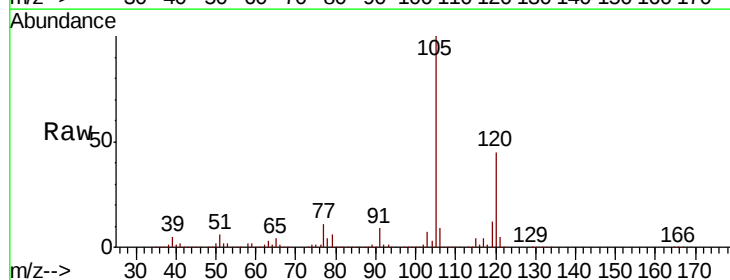
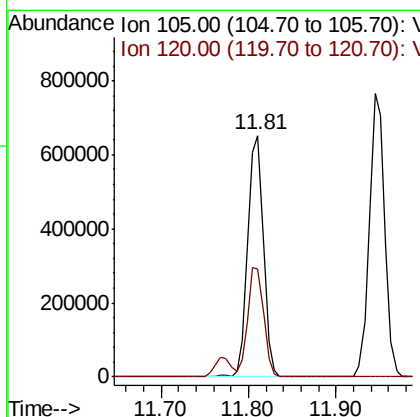
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.20 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX004259.D
 Acq: 27 Aug 2018 11:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	23.1	69.2





#85

sec-Butylbenzene

Concen: 51.67 ug/l

RT: 11.94 min Scan# 1863

Delta R.T. 0.00 min

Lab File: VX004259.D

Acq: 27 Aug 2018 11:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 947297

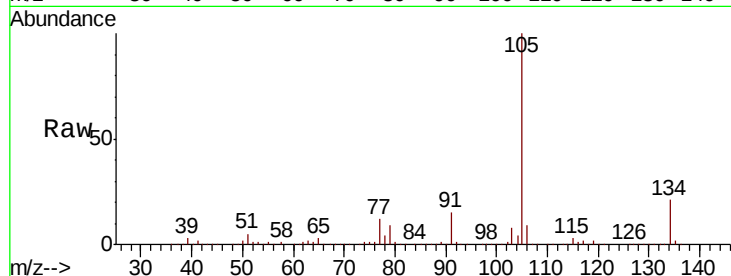
Ion Ratio Lower Upper

105 100

134 21.2 10.3 30.9

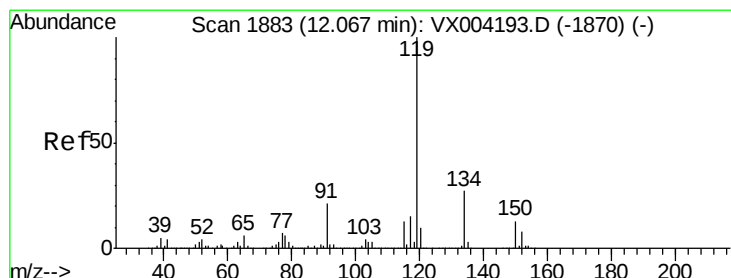
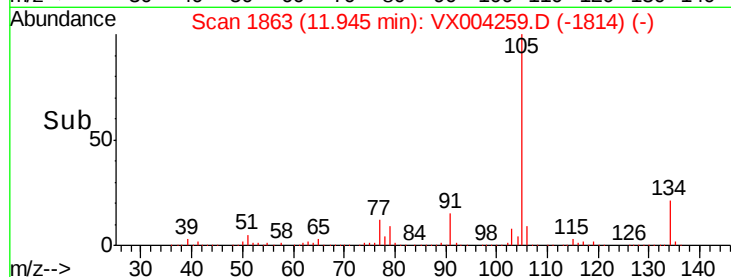
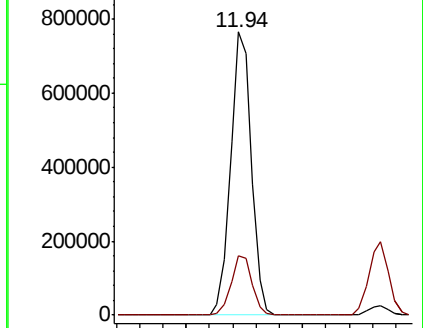
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.57 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX004259.D

Acq: 27 Aug 2018 11:39

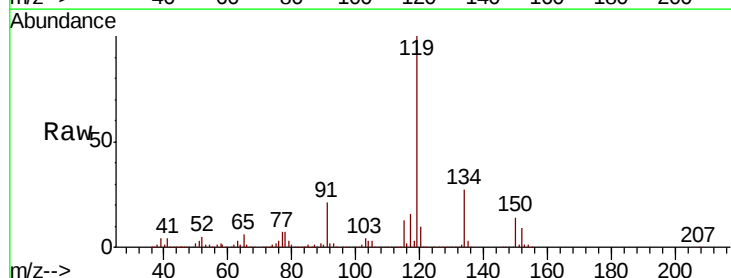
Tgt Ion:119 Resp: 880030

Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.8

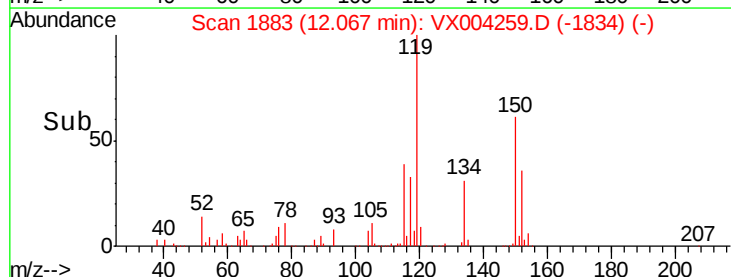
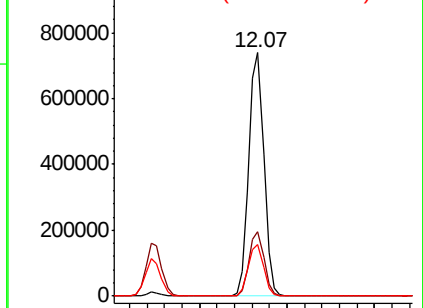
91 21.6 10.9 32.7

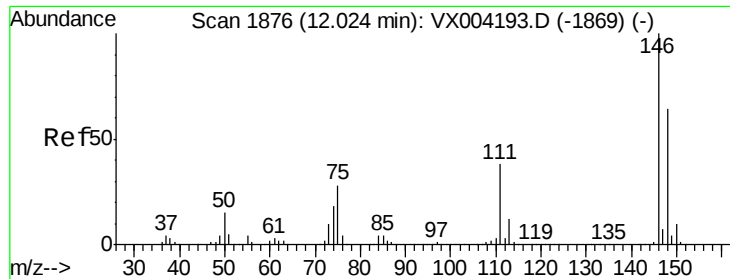


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





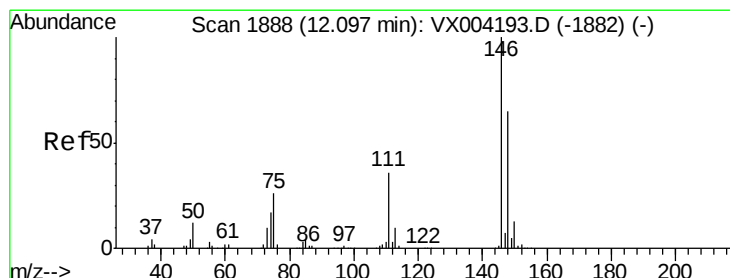
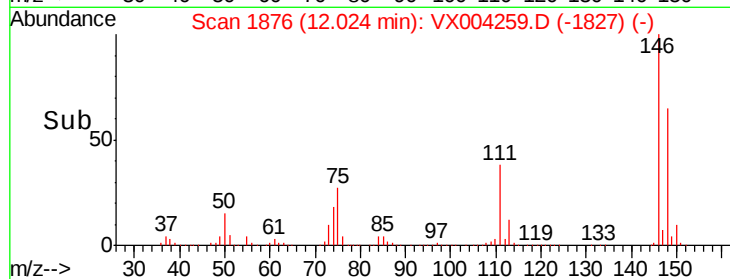
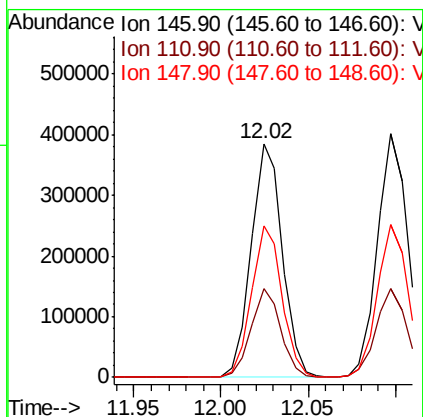
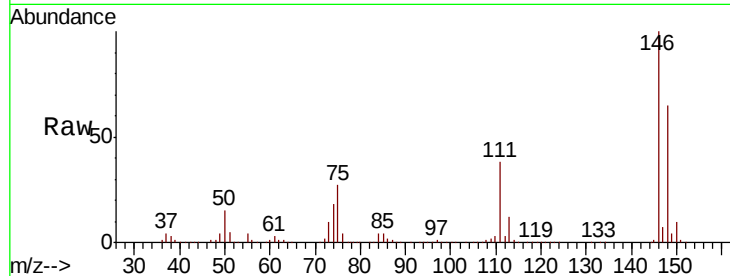
#87
 1,3-Dichlorobenzene
 Concen: 48.51 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. 0.00 min
 Lab File: VX004259.D
 Acq: 27 Aug 2018 11:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.8	56.4
148	63.6	31.9	95.5

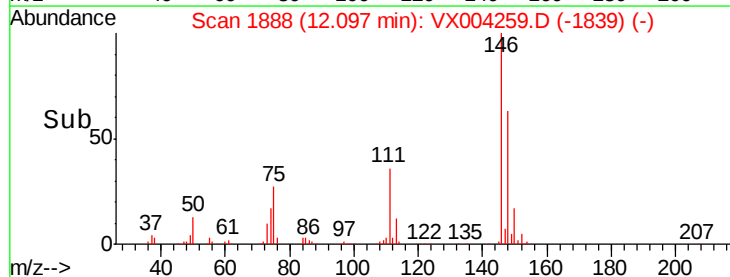
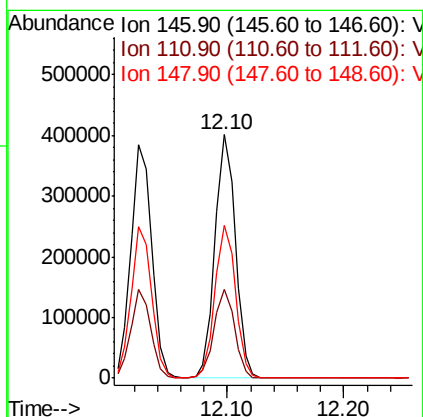
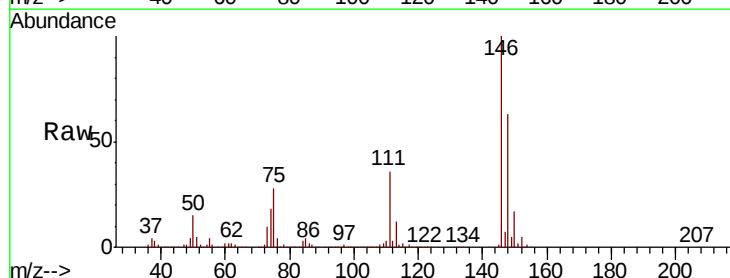
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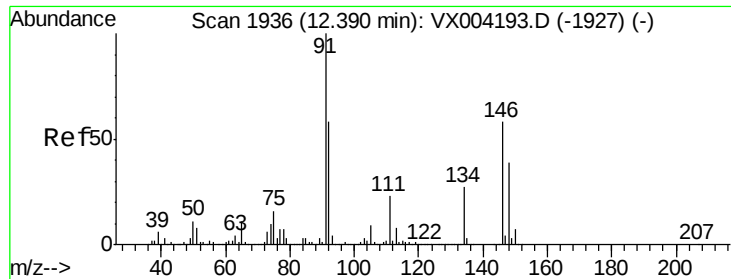
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#88
 1,4-Dichlorobenzene
 Concen: 47.10 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: VX004259.D
 Acq: 27 Aug 2018 11:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.4	55.0
148	63.1	32.3	96.8





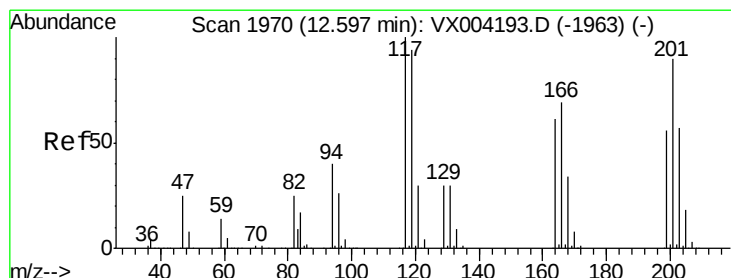
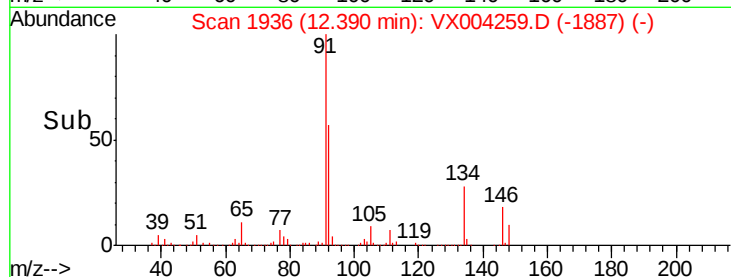
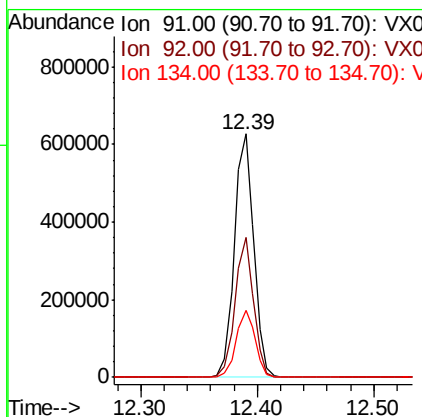
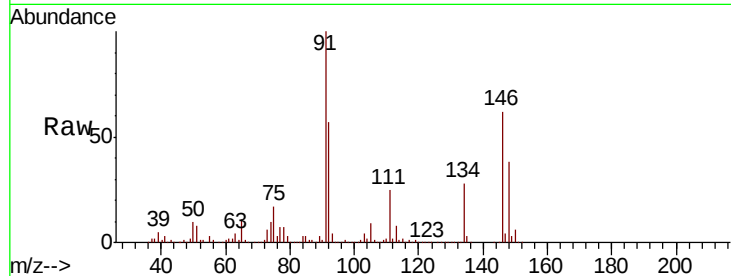
#89
n-Butylbenzene
Concen: 54.39 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX004259.D
Acq: 27 Aug 2018 11:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.6	27.1	81.3	
134	27.3	13.6	40.7	

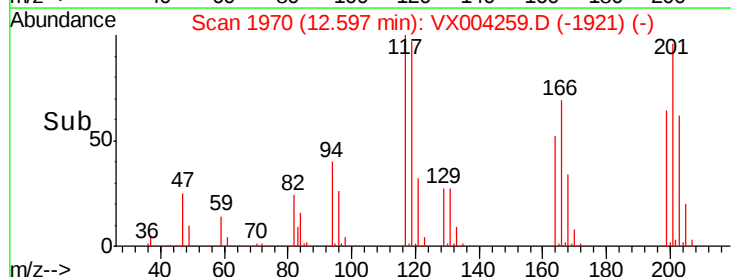
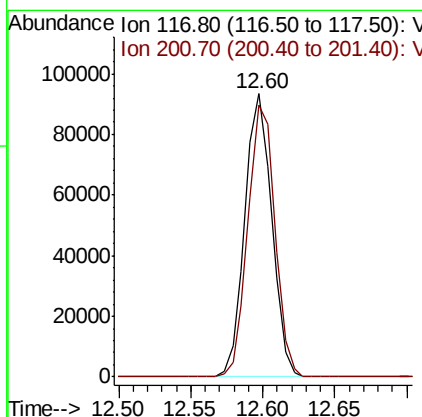
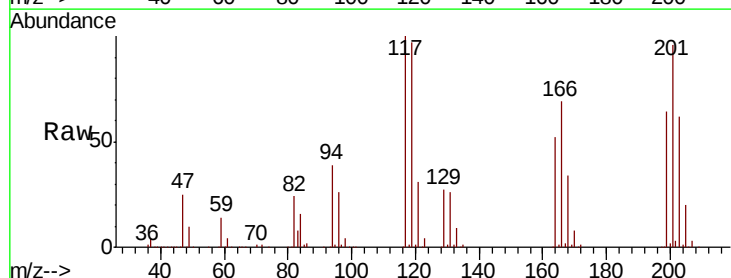
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#90
Hexachloroethane
Concen: 52.57 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX004259.D
Acq: 27 Aug 2018 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	96.2	46.1	138.2	





#91

1,2-Dichlorobenzene

Concen: 52.92 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VX004259.D

Acq: 27 Aug 2018 11:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:146 Resp: 473408

Ion Ratio Lower Upper

146 100

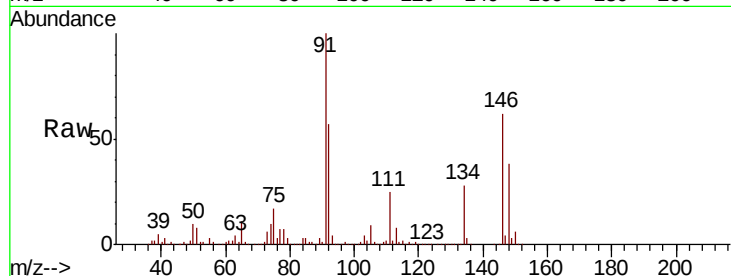
111 38.6 19.7 59.0

148 62.7 31.9 95.5

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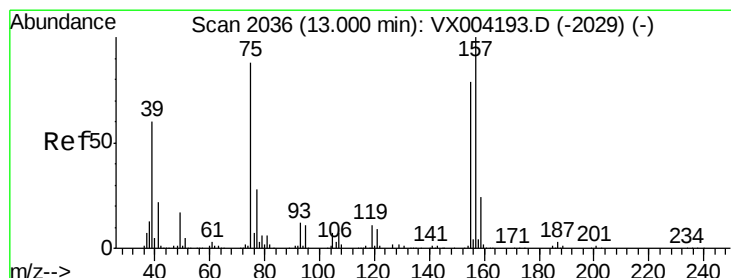
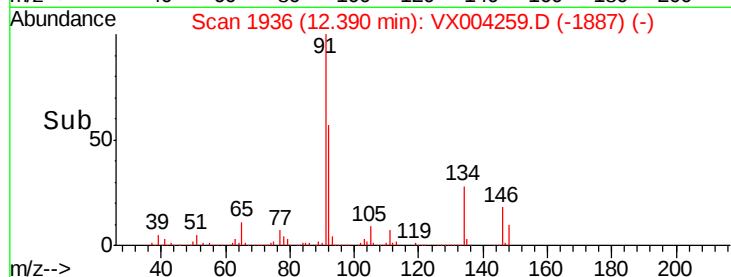
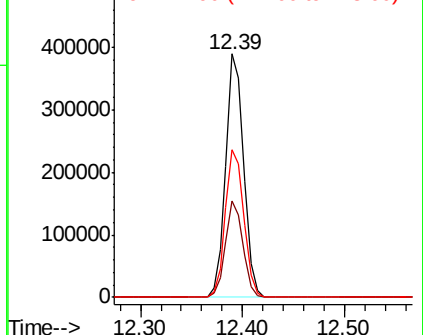
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Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.71 ug/l

RT: 13.00 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VX004259.D

Acq: 27 Aug 2018 11:39

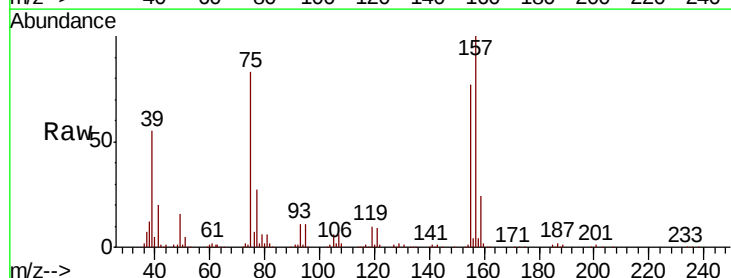
Tgt Ion: 75 Resp: 56782

Ion Ratio Lower Upper

75 100

155 99.3 48.7 146.1

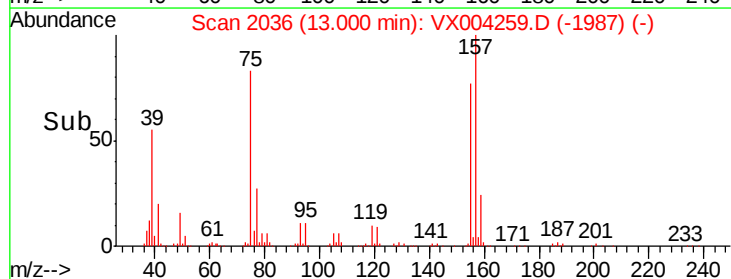
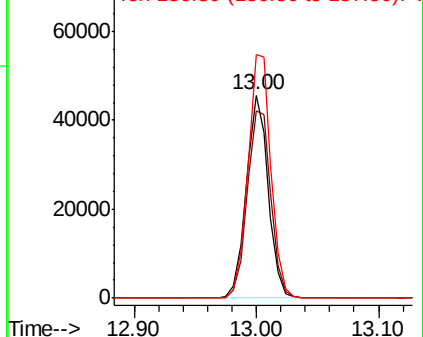
157 126.2 62.6 187.8

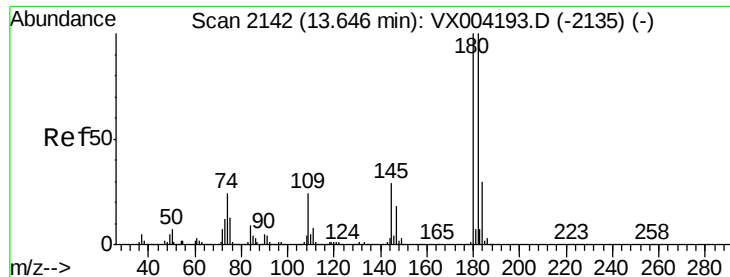


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





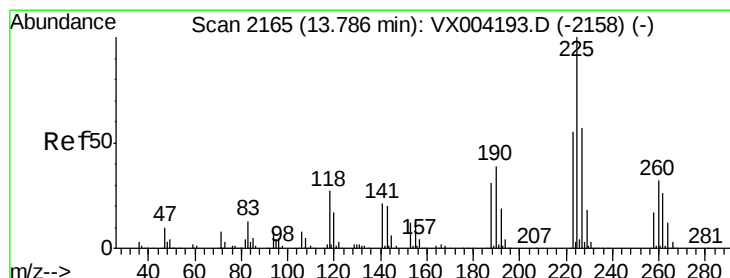
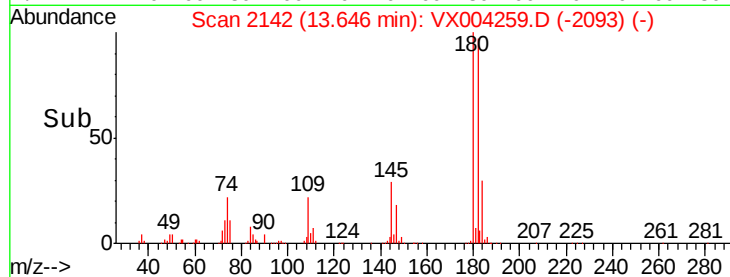
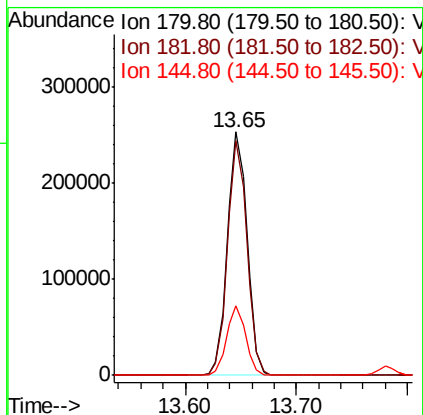
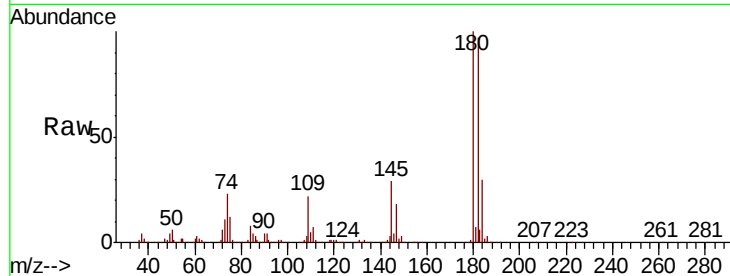
#93
 1,2,4-Trichlorobenzene
 Concen: 47.64 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX004259.D
 Acq: 27 Aug 2018 11:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.0	47.7	143.1	
145	27.6	13.9	41.6	

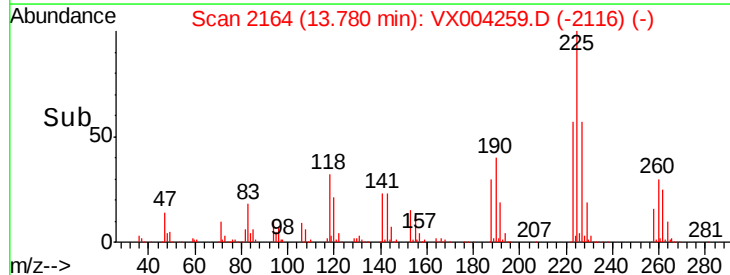
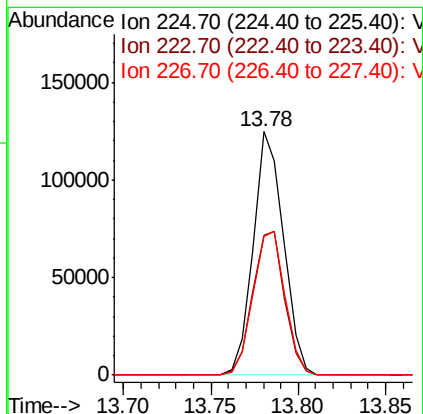
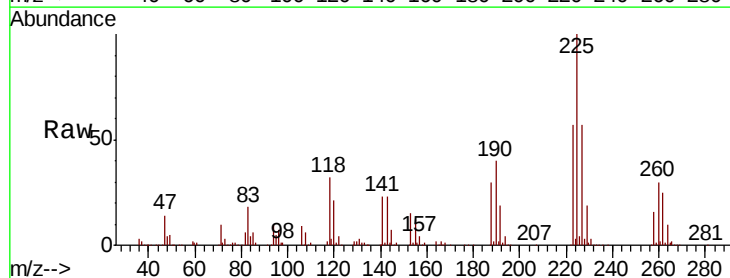
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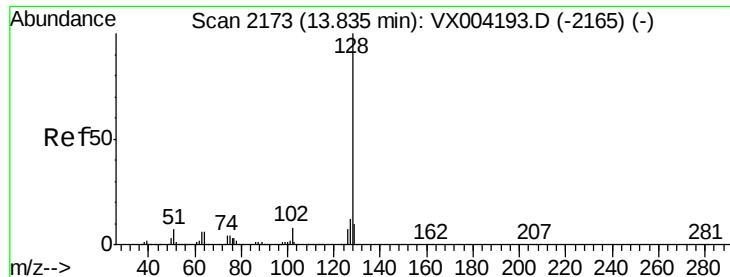
MMDadoda
 8/28/2018 3:54:15 PM



#94
 Hexachlorobutadiene
 Concen: 49.40 ug/l
 RT: 13.78 min Scan# 2164
 Delta R.T. -0.01 min
 Lab File: VX004259.D
 Acq: 27 Aug 2018 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.0	31.4	94.0	
227	62.5	32.1	96.5	





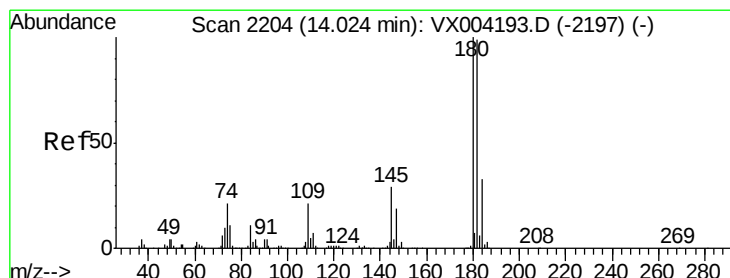
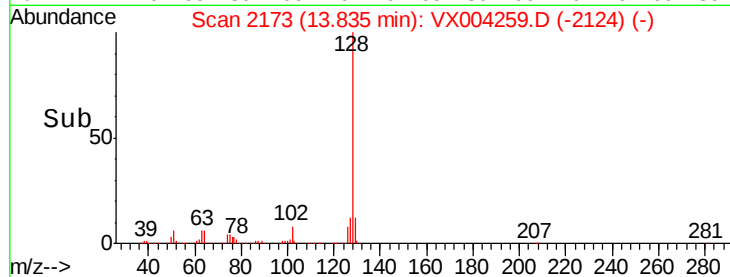
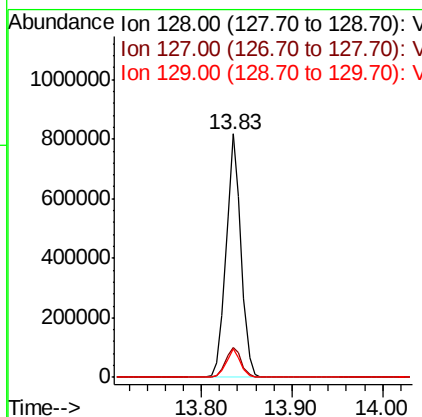
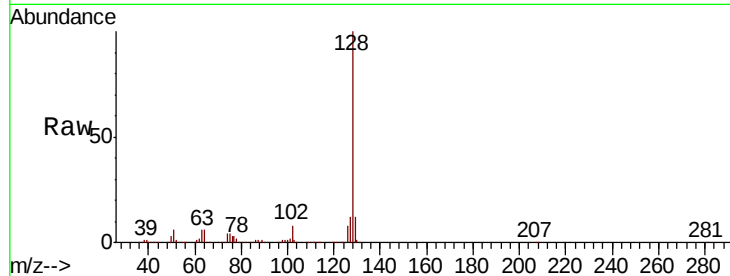
#95
Naphthalene
Concen: 51.18 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX004259.D
Acq: 27 Aug 2018 11:39

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	11.3	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/28/2018 3:54:15 PM



#96
1,2,3-Trichlorobenzene
Concen: 48.64 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX004259.D
Acq: 27 Aug 2018 11:39

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	48.1	144.4
145	30.4	14.9	44.7

