

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX080718\
 Data File : VX003872.D
 Acq On : 07 Aug 2018 10:24
 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
 8/8/2018 12:00:54 PM

Quant Time: Aug 08 01:29:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 07:45:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	376971	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	533402	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	481805	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	287356	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	243380	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	
35) Dibromofluoromethane	5.50	113	203699	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
50) Toluene-d8	8.71	98	803960	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
62) 4-Bromofluorobenzene	11.14	95	289066	56.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.70%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.20	85	197466	51.69	ug/l	98
3) Chloromethane	1.32	50	241131	46.39	ug/l	100
4) Vinyl Chloride	1.40	62	251627	48.55	ug/l	98
5) Bromomethane	1.64	94	145960	54.21	ug/l	99
6) Chloroethane	1.71	64	168399	50.78	ug/l	97
7) Trichlorofluoromethane	1.92	101	337159	49.27	ug/l	99
8) Diethyl Ether	2.18	74	147841	48.06	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	211031	49.33	ug/l	100
10) Methyl Iodide	2.51	142	268473	50.45	ug/l	100
11) Tert butyl alcohol	3.07	59	264916	220.62	ug/l	100
12) 1,1-Dichloroethene	2.37	96	195084	48.22	ug/l	99
13) Acrolein	2.29	56	140529	227.06	ug/l	99
14) Allyl chloride	2.72	41	381635	48.93	ug/l	99
15) Acrylonitrile	3.15	53	645642	225.33	ug/l	100
16) Acetone	2.45	43	713240	239.92	ug/l	99
17) Carbon Disulfide	2.57	76	562602	49.07	ug/l	100
18) Methyl Acetate	2.78	43	289837	44.77	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	699907	48.82	ug/l	99
20) Methylene Chloride	2.86	84	225902	48.15	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	214791	46.76	ug/l	99
22) Diisopropyl ether	3.87	45	690810	48.18	ug/l	97
23) Vinyl Acetate	3.82	43	2930841	245.69	ug/l	99
24) 1,1-Dichloroethane	3.69	63	406632	47.75	ug/l	100
25) 2-Butanone	4.70	43	1043815	233.53	ug/l	99
26) 2,2-Dichloropropane	4.58	77	325677	53.03	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	241469	48.45	ug/l	98
28) Bromochloromethane	5.01	49	179789	49.33	ug/l	100
29) Tetrahydrofuran	5.16	42	525093	228.56	ug/l	99
30) Chloroform	5.21	83	393731	49.11	ug/l	98
31) Cyclohexane	5.57	56	362191	50.29	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	338951	50.41	ug/l	100
36) 1,1-Dichloropropene	5.79	75	308391	51.62	ug/l	100
37) Ethyl Acetate	4.86	43	318152	48.41	ug/l	100
38) Carbon Tetrachloride	5.78	117	298995	52.58	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	380624	54.04	ug/l	99
40) Benzene	6.14	78	920043	51.29	ug/l	100
41) Methacrylonitrile	5.06	41	176994	48.90	ug/l	100
42) 1,2-Dichloroethane	6.20	62	309958	51.10	ug/l	100
43) Isopropyl Acetate	6.46	43	500581	50.62	ug/l	100
44) Trichloroethene	7.21	130	247841	50.52	ug/l	93
45) 1,2-Dichloropropane	7.52	63	234593	50.64	ug/l	100
46) Dibromomethane	7.66	93	149965	49.86	ug/l	99
47) Bromodichloromethane	7.90	83	294383	51.96	ug/l	100
48) Methyl methacrylate	7.78	41	259605	51.64	ug/l	100
49) 1,4-Dioxane	7.76	88	116936	987.45	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	2065843	252.02	ug/l	100
52) Toluene	8.79	92	589552	52.01	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	349480	54.57	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	375784	54.42	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	233758	50.47	ug/l	98
56) Ethyl methacrylate	9.18	69	360356	53.62	ug/l	99
57) 1,3-Dichloropropane	9.37	76	395018	50.96	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	907236	274.54	ug/l	100
59) 2-Hexanone	9.50	43	1594967	260.30	ug/l	100
60) Dibromochloromethane	9.59	129	237445	54.98	ug/l	100
61) 1,2-Dibromoethane	9.68	107	244187	52.66	ug/l	100
64) Tetrachloroethene	9.34	164	235175	49.62	ug/l	94
65) Chlorobenzene	10.14	112	633563	50.54	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	228125	52.93	ug/l	98
67) Ethyl Benzene	10.25	91	1104724	53.83	ug/l	98
68) m/p-Xylenes	10.36	106	877823	109.47	ug/l	96
69) o-Xylene	10.70	106	419115	55.37	ug/l	95
70) Styrene	10.71	104	715672	57.75	ug/l	98
71) Bromoform	10.86	173	181257	49.62	ug/l	99
73) Isopropylbenzene	11.02	105	1120850	52.73	ug/l	96
74) N-amyl acetate	6.46	43	500581	45.28	ug/l	# 99
75) 1,1,2,2-Tetrachloroethane	11.27	83	338731	46.49	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	314648m	49.57	ug/l	
77) Bromobenzene	11.26	156	275703	48.62	ug/l	97
78) n-propylbenzene	11.36	91	1257248	52.67	ug/l	100
79) 2-Chlorotoluene	11.42	91	735018	50.50	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	927473	53.51	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	112060	48.12	ug/l	94
82) 4-Chlorotoluene	11.51	91	875217	51.33	ug/l	99
83) tert-Butylbenzene	11.77	119	912770	53.53	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	965023	55.37	ug/l	99
85) sec-Butylbenzene	11.95	105	1089429	54.14	ug/l	98
86) p-Isopropyltoluene	12.07	119	967557	53.58	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	535546	51.09	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	534769	53.22	ug/l	100
89) n-Butylbenzene	12.39	91	811222	51.55	ug/l	100
90) Hexachloroethane	12.60	117	144484	49.28	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	487831	46.95	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	67644	45.32	ug/l	98

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VSTDCCC050

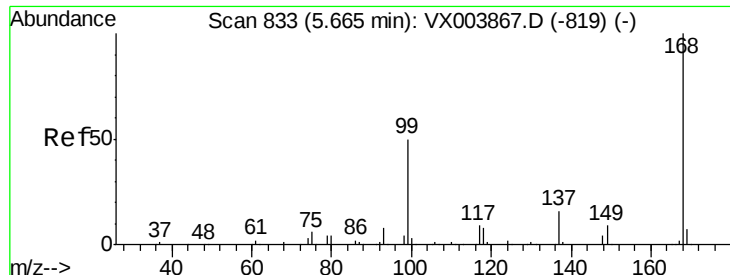
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	362955	48.57	ug/l	100
94) Hexachlorobutadiene	13.79	225	166845	50.60	ug/l	100
95) Naphthalene	13.83	128	1064702	49.74	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	361239	48.44	ug/l	100

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



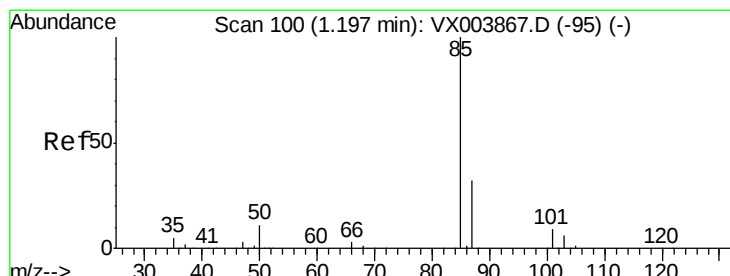
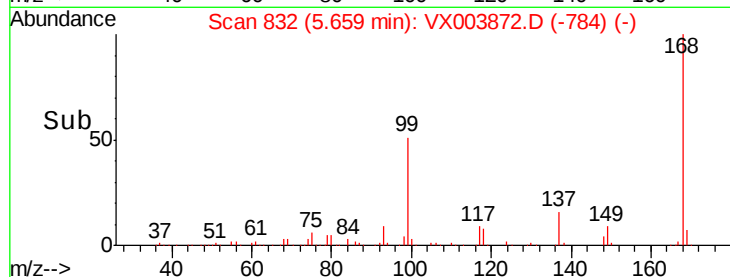
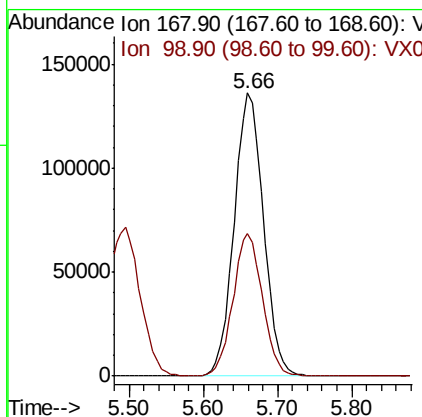
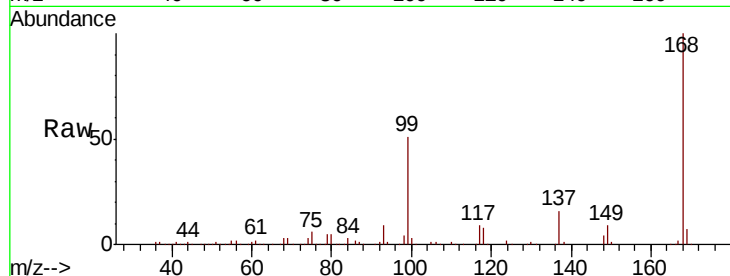
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.66 min Scan# 832
Delta R.T. -0.01 min
Lab File: VX003872.D
Acq: 07 Aug 2018 10:24

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
168	100		
99	50.4	40.1	60.1

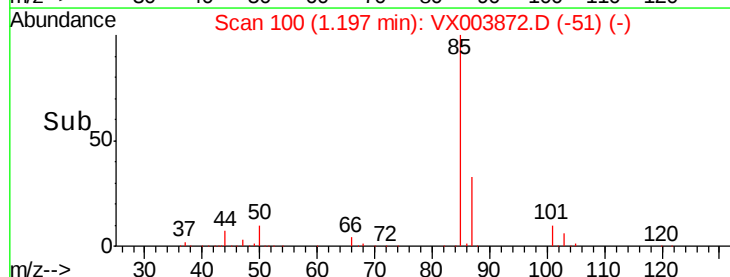
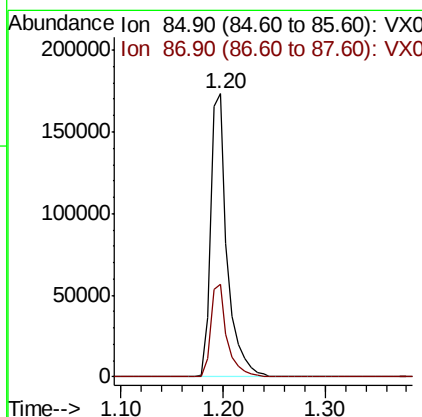
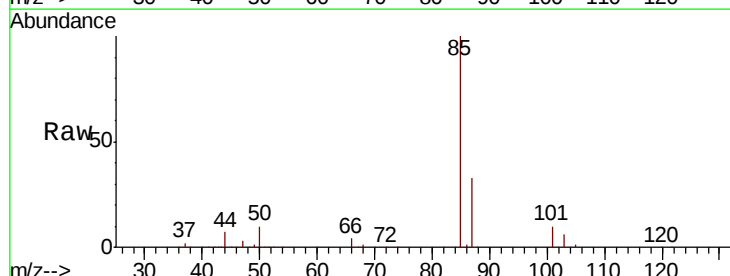
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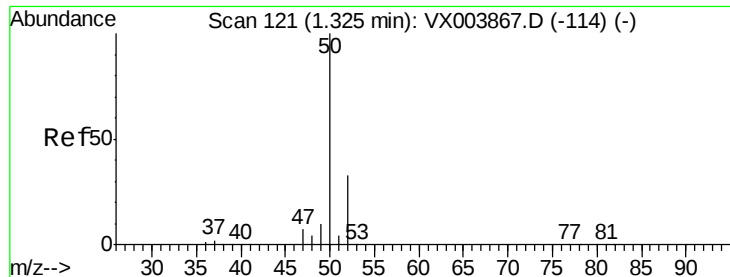
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#2
Dichlorodifluoromethane
Concen: 51.69 ug/l
RT: 1.20 min Scan# 100
Delta R.T. 0.00 min
Lab File: VX003872.D
Acq: 07 Aug 2018 10:24

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.9	16.0	48.0





#3

Chloromethane

Concen: 46.39 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003872.D

Acq: 07 Aug 2018 10:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 241131

Ion Ratio Lower Upper

50 100

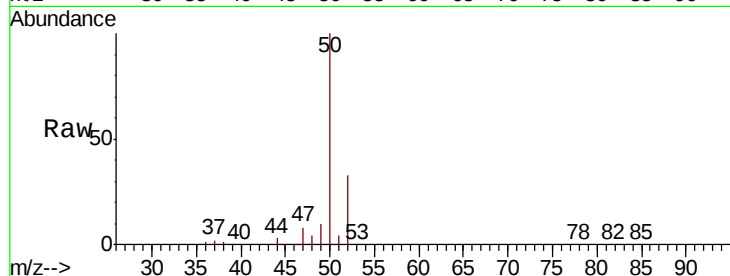
52 33.4 26.6 39.8

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

200000

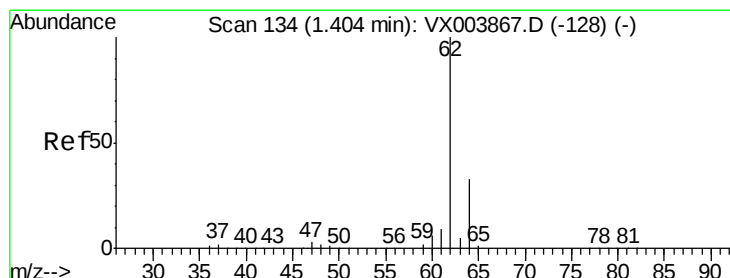
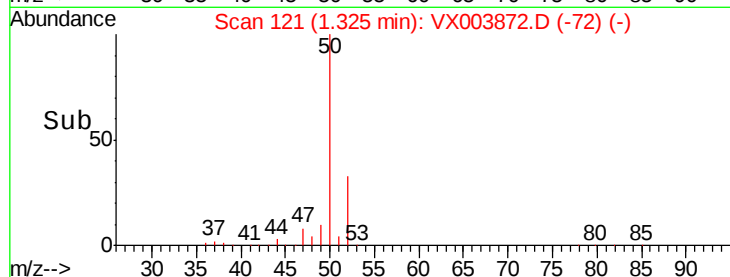
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 48.55 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003872.D

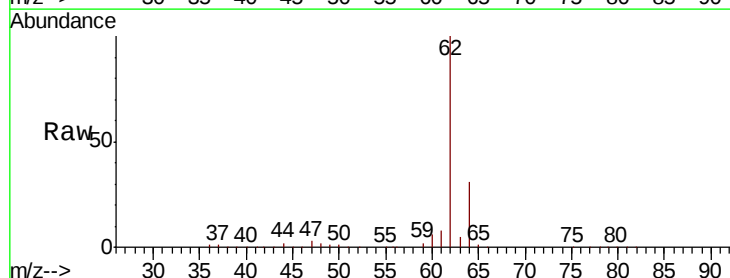
Acq: 07 Aug 2018 10:24

Tgt Ion: 62 Resp: 251627

Ion Ratio Lower Upper

62 100

64 31.1 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

300000

250000

200000

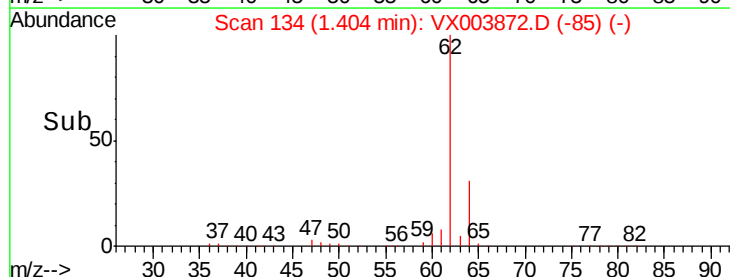
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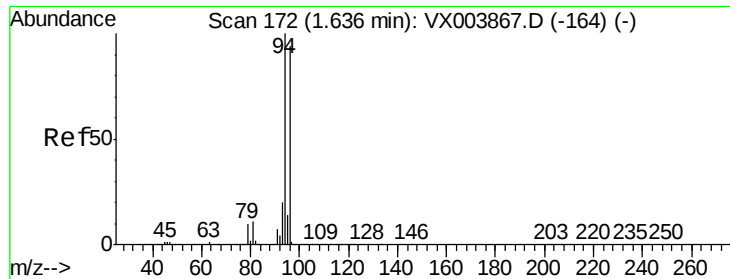
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50000

0

Time-->





#5

Bromomethane

Concen: 54.21 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003872.D

Acq: 07 Aug 2018 10:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 145960

Ion Ratio Lower Upper

94 100

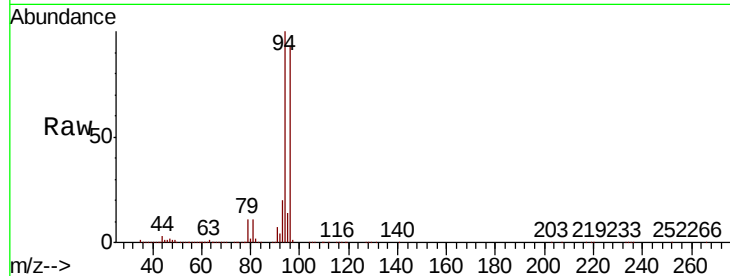
96 92.9 75.2 112.8

Manual Integrations

APPROVED

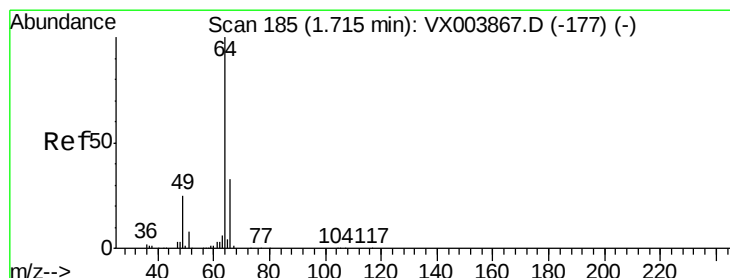
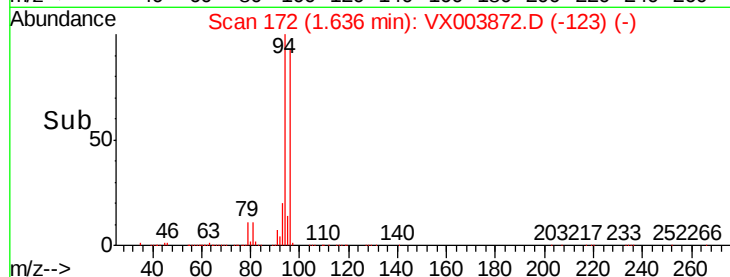
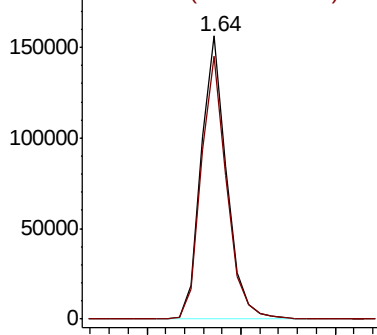
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 50.78 ug/l

RT: 1.71 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX003872.D

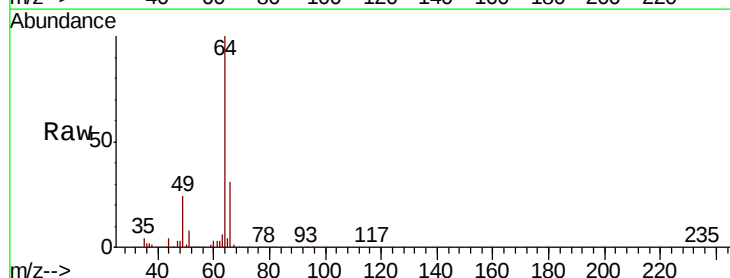
Acq: 07 Aug 2018 10:24

Tgt Ion: 64 Resp: 168399

Ion Ratio Lower Upper

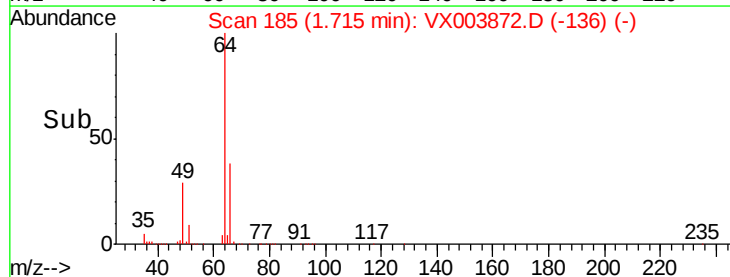
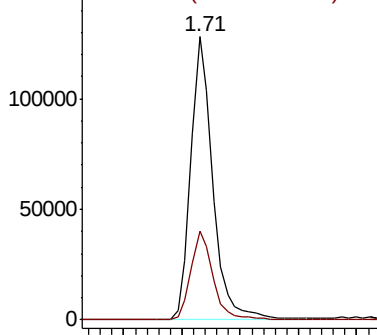
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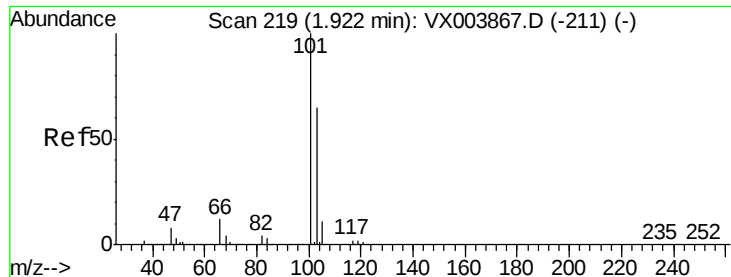
66 31.3 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

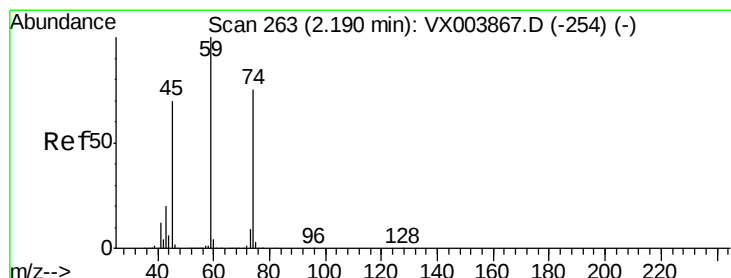
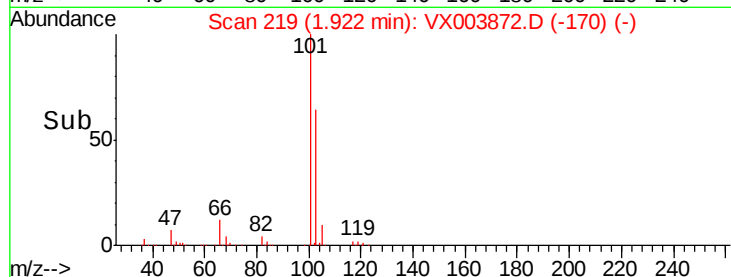
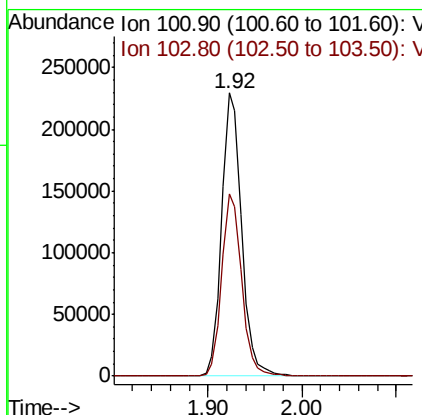
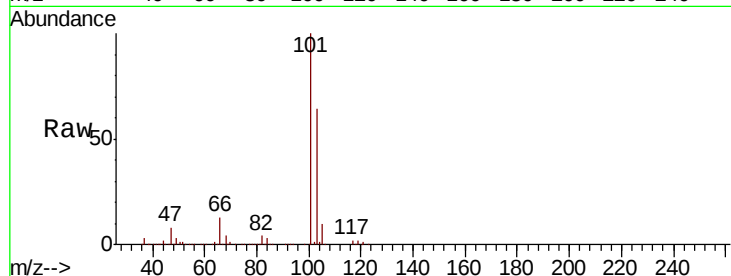
Trichlorofluoromethane
 Concen: 49.27 ug/l
 RT: 1.92 min Scan# 219
 Delta R.T. 0.00 min
 Lab File: VX003872.D
 Acq: 07 Aug 2018 10:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	52.3	78.5

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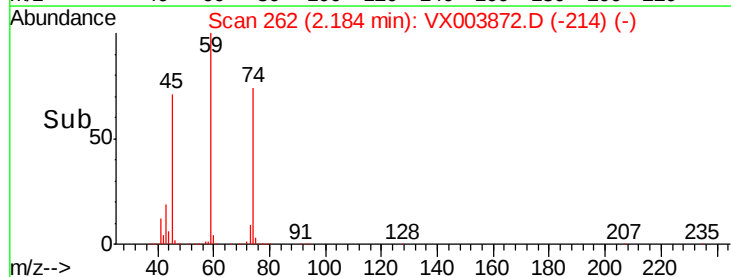
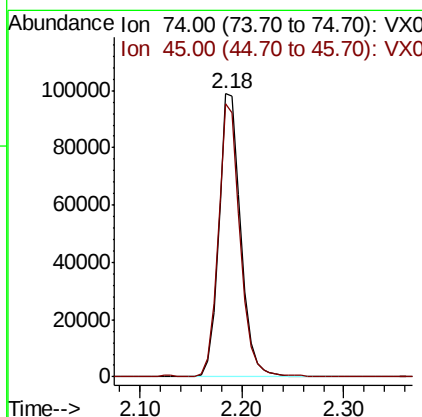
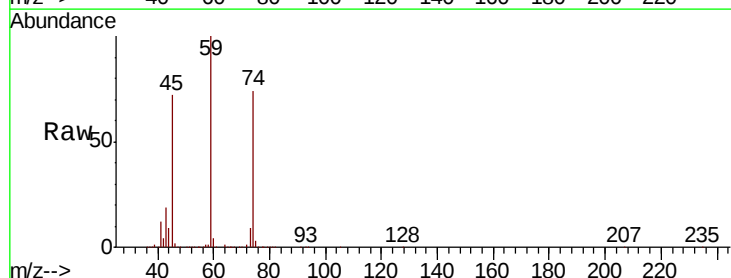
MMDadoda
 8/8/2018 12:00:54 PM

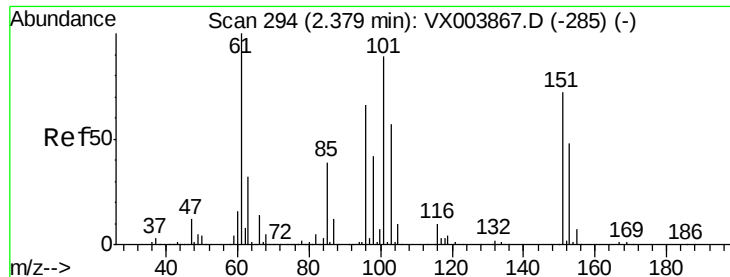


#8

Diethyl Ether
 Concen: 48.06 ug/l
 RT: 2.18 min Scan# 262
 Delta R.T. -0.01 min
 Lab File: VX003872.D
 Acq: 07 Aug 2018 10:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.5	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.33 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003872.D

Acq: 07 Aug 2018 10:24

Instrument :

MSVOA_X

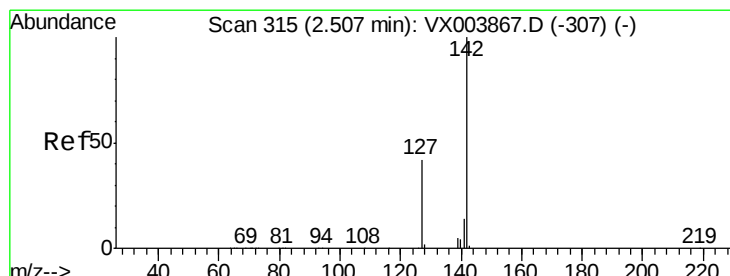
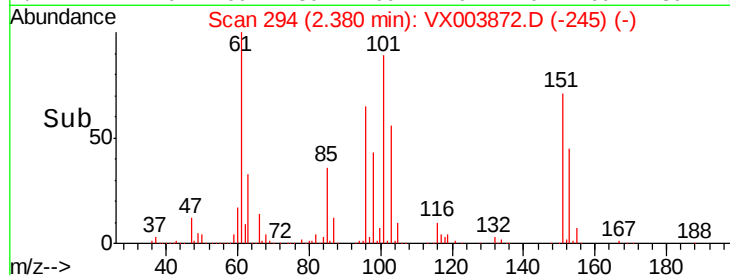
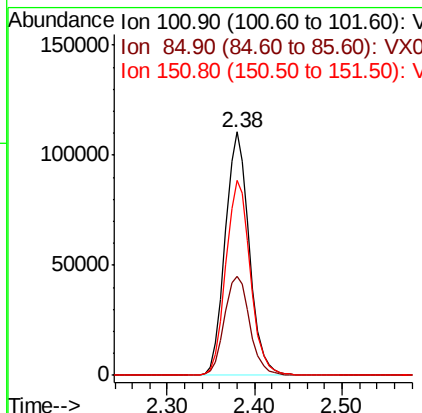
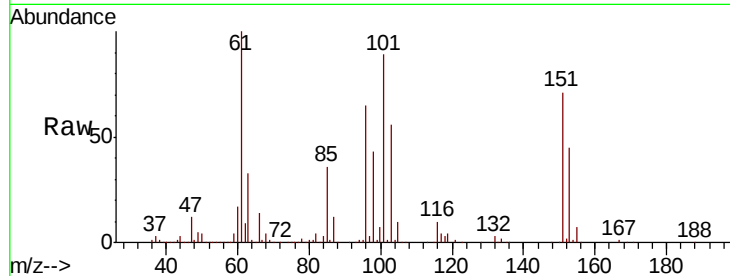
ClientSampled :

VSTDCCC050

Tot Ion:	101	Resp:	211031
Ion Ratio	Lower	Upper	
101	100		
85	42.6	34.2	51.4
151	81.5	65.0	97.4

Manual Integrations
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#10

Methyl Iodide

Concen: 50.45 ug/l

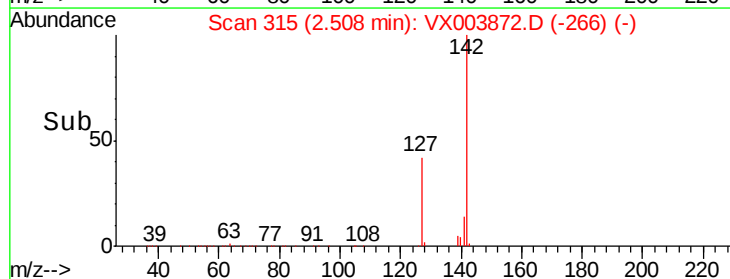
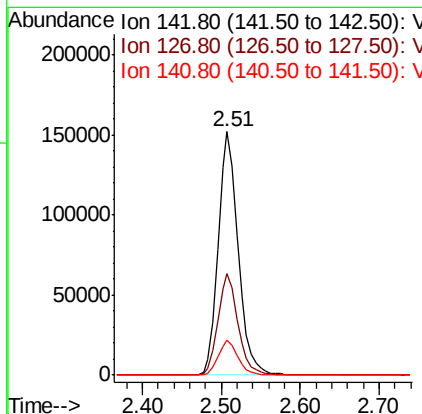
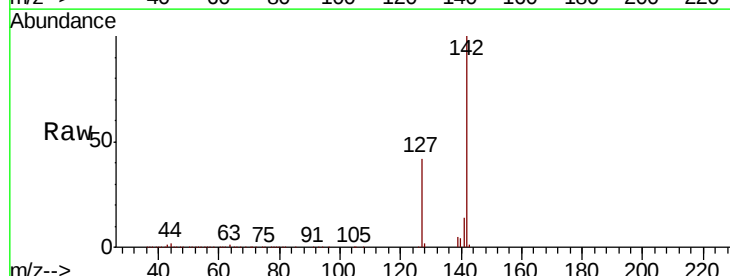
RT: 2.51 min Scan# 315

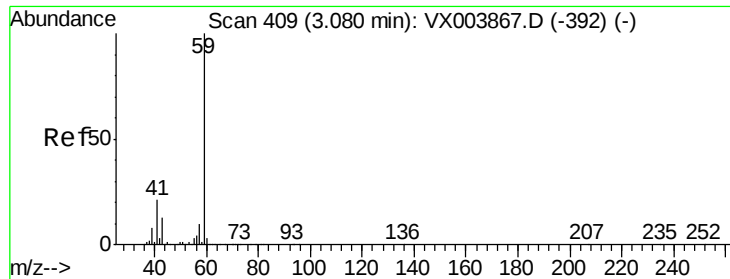
Delta R.T. 0.00 min

Lab File: VX003872.D

Acq: 07 Aug 2018 10:24

Tgt Ion:	142	Resp:	268473
Ion Ratio	Lower	Upper	
142	100		
127	41.4	33.1	49.7
141	14.1	11.1	16.7





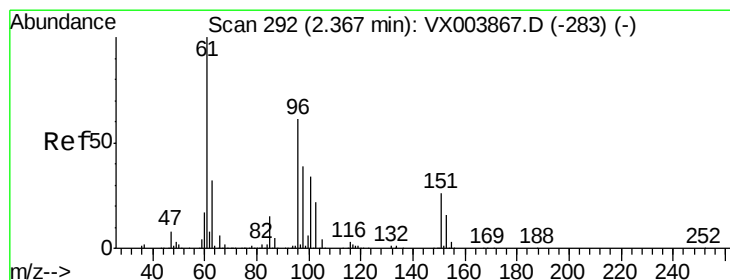
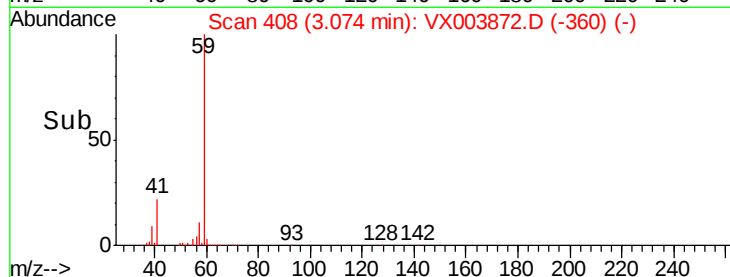
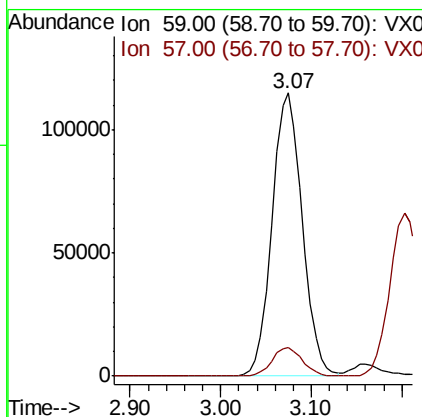
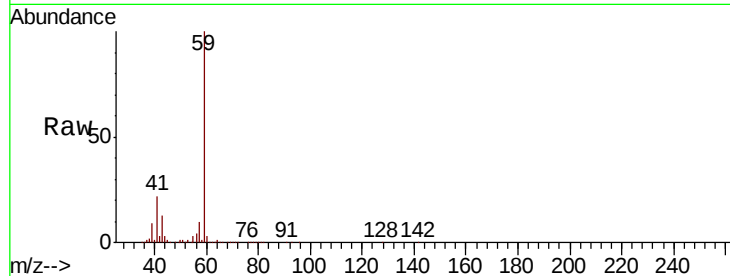
#11
Tert butyl alcohol
Concen: 220.62 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX003872.D
Acq: 07 Aug 2018 10:24

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion: 59 Resp: 264916
Ion Ratio Lower Upper
59 100
57 10.2 8.1 12.1

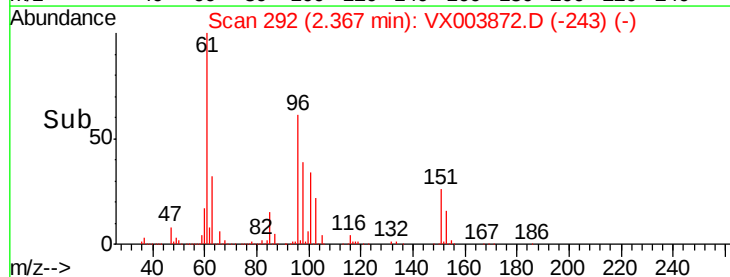
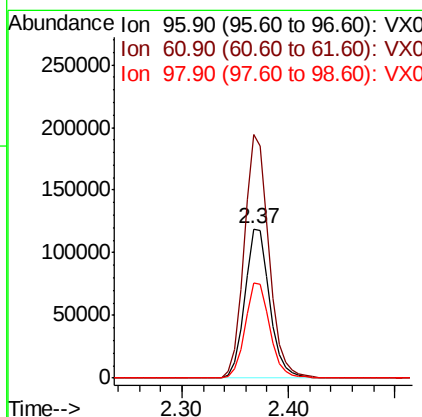
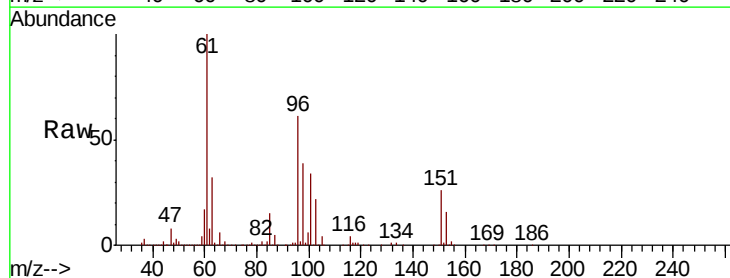
Manual Integrations
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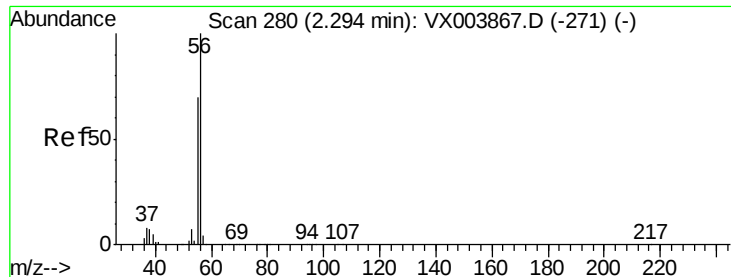
MMDadoda
8/8/2018 12:00:54 PM



#12
1,1-Dichloroethene
Concen: 48.22 ug/l
RT: 2.37 min Scan# 292
Delta R.T. 0.00 min
Lab File: VX003872.D
Acq: 07 Aug 2018 10:24

Tgt Ion: 96 Resp: 195084
Ion Ratio Lower Upper
96 100
61 163.2 131.3 196.9
98 63.7 51.8 77.6





#13

Acrolein

Concen: 227.06 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003872.D

Acq: 07 Aug 2018 10:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 140529

Ion Ratio Lower Upper

56 100

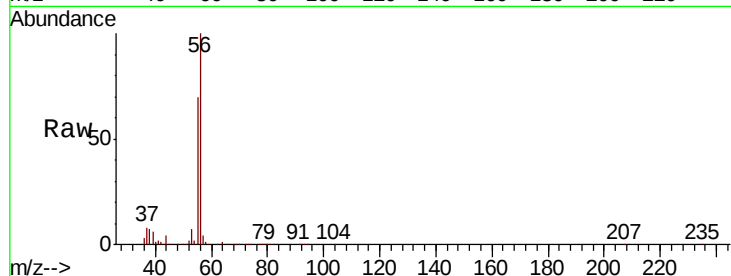
55 70.5 56.1 84.1

Manual Integrations

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MMDadoda

8/8/2018 12:00:54 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

100000

80000

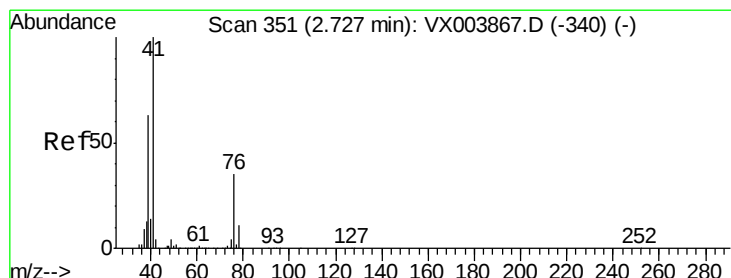
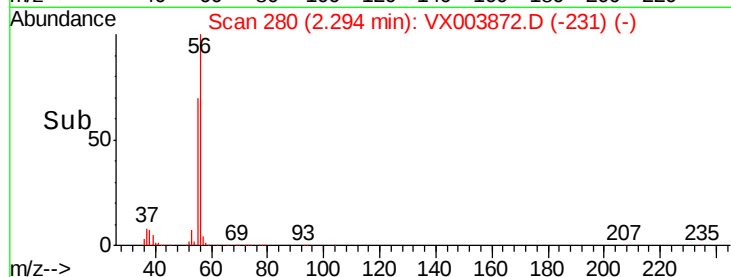
60000

40000

20000

0

Time-->



#14

Allyl chloride

Concen: 48.93 ug/l

RT: 2.72 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX003872.D

Acq: 07 Aug 2018 10:24

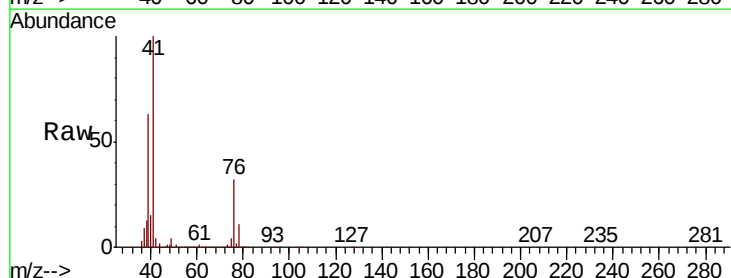
Tgt Ion: 41 Resp: 381635

Ion Ratio Lower Upper

41 100

39 60.2 47.4 71.0

76 33.1 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

400000

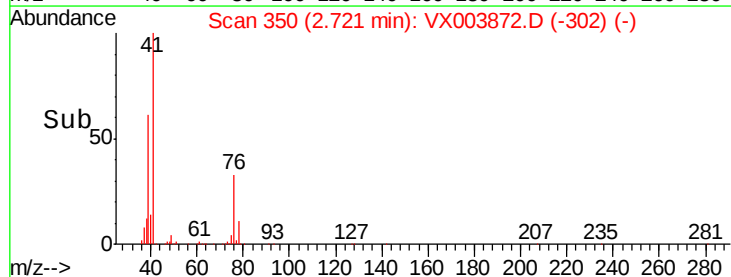
300000

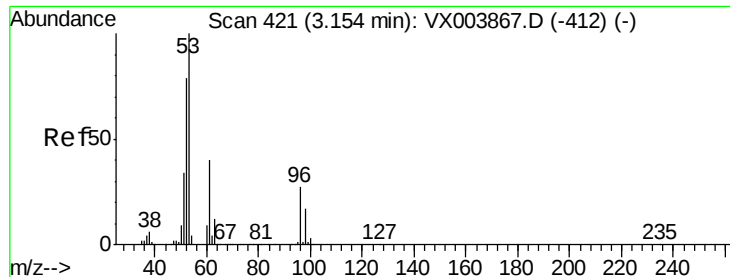
200000

100000

0

Time-->





#15

Acrylonitrile

Concen: 225.33 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX003872.D

Acq: 07 Aug 2018 10:24

Instrument :

MSVOA_X

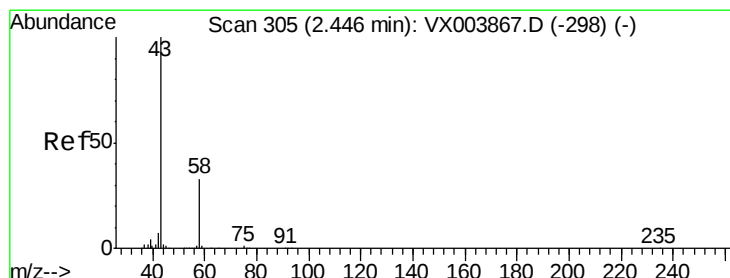
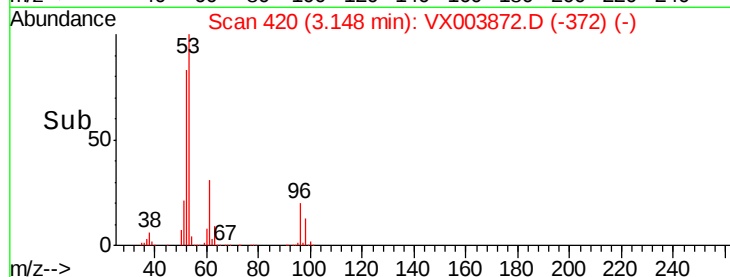
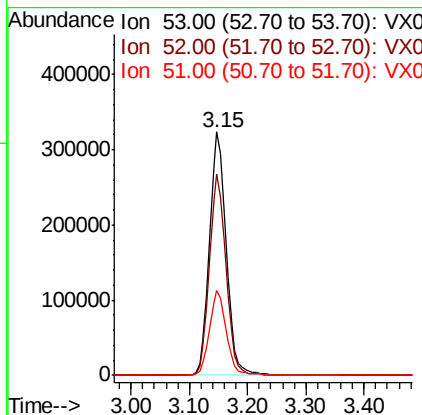
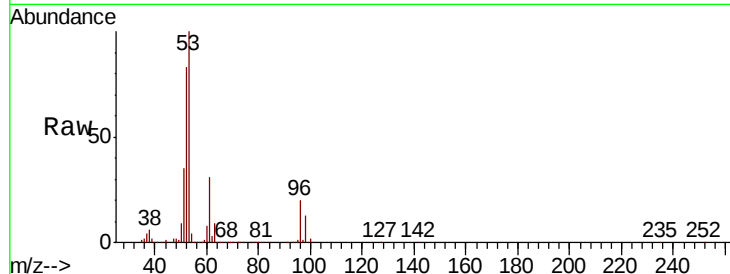
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	645642
Ion Ratio	Lower	Upper	
53	100		
52	81.7	65.3	97.9
51	35.1	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 239.92 ug/l

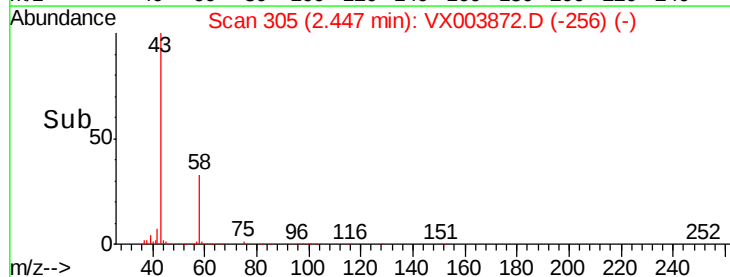
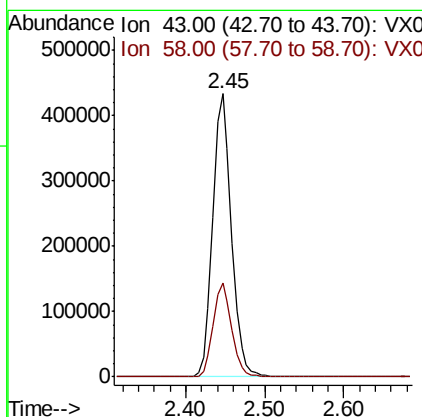
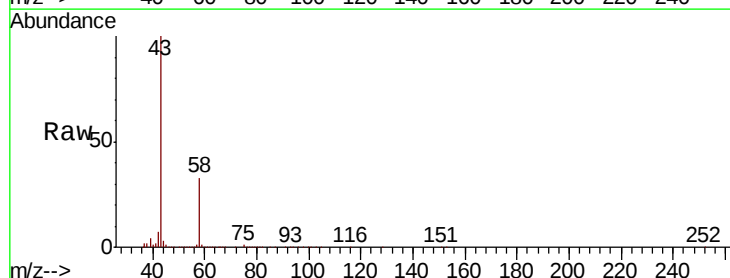
RT: 2.45 min Scan# 305

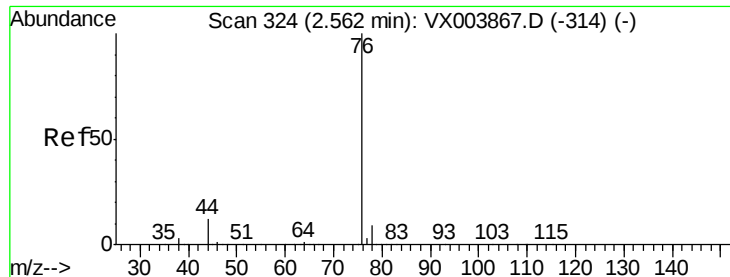
Delta R.T. 0.00 min

Lab File: VX003872.D

Acq: 07 Aug 2018 10:24

Tgt Ion:	43	Resp:	713240
Ion Ratio	Lower	Upper	
43	100		
58	33.3	26.4	39.6





#17

Carbon Disulfide

Concen: 49.07 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX003872.D

Acq: 07 Aug 2018 10:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 562602

Ion Ratio Lower Upper

76 100

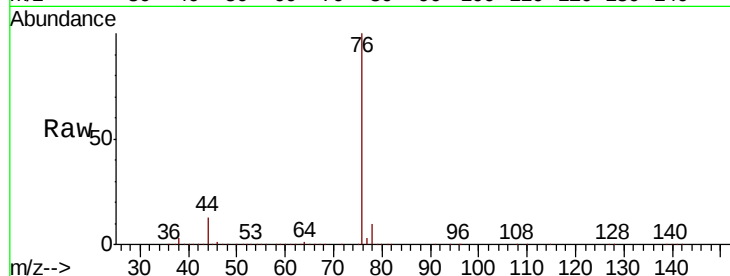
78 9.6 7.5 11.3

Manual Integrations

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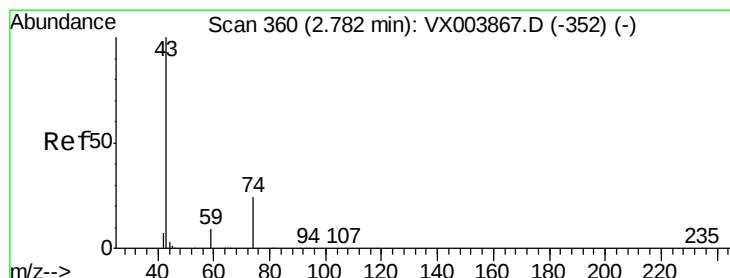
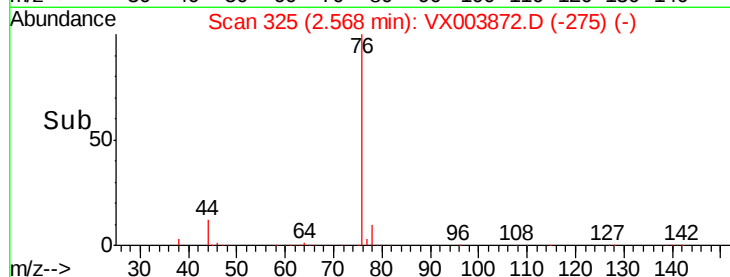
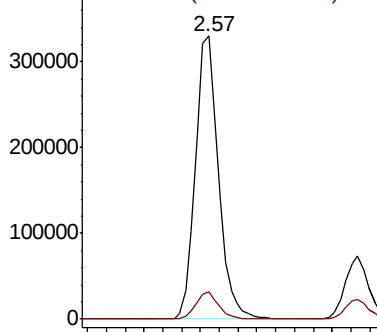
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 44.77 ug/l

RT: 2.78 min Scan# 359

Delta R.T. -0.01 min

Lab File: VX003872.D

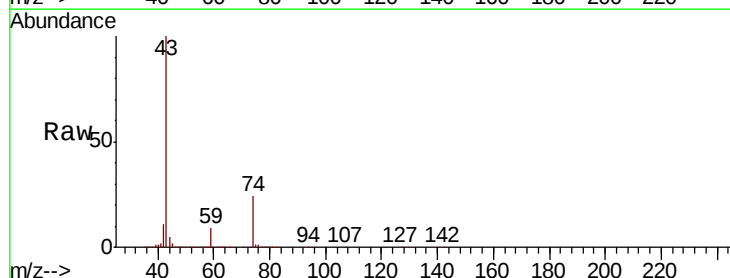
Acq: 07 Aug 2018 10:24

Tgt Ion: 43 Resp: 289837

Ion Ratio Lower Upper

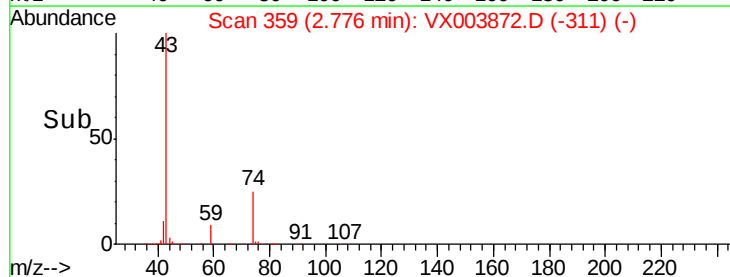
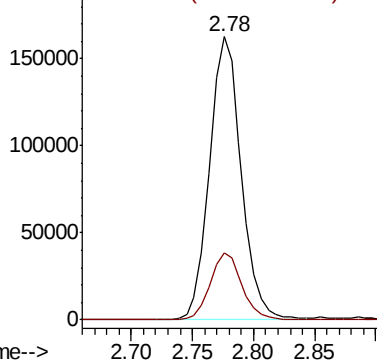
43 100

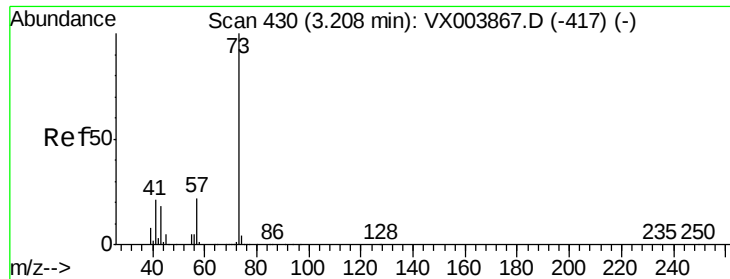
74 24.1 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





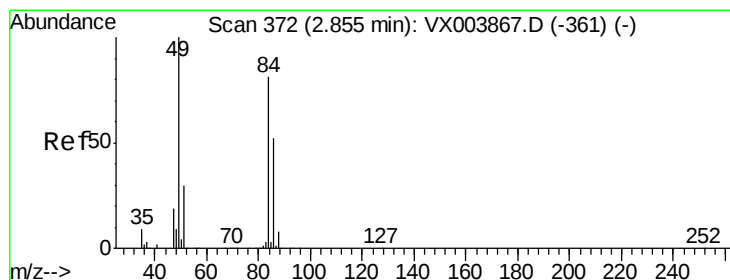
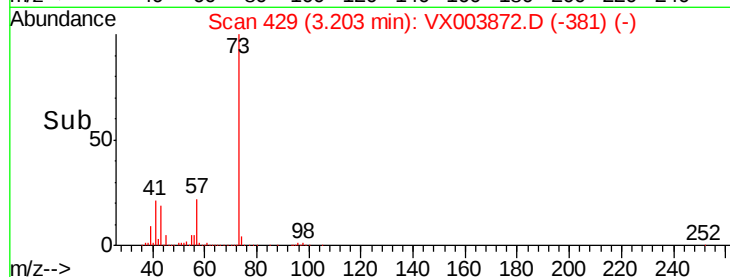
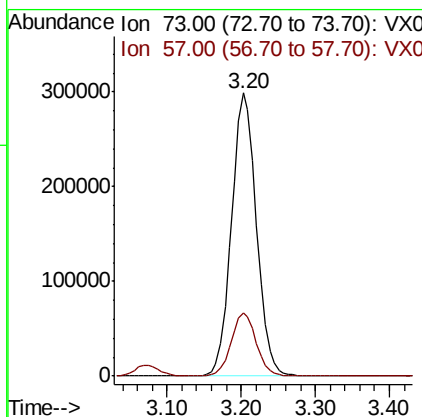
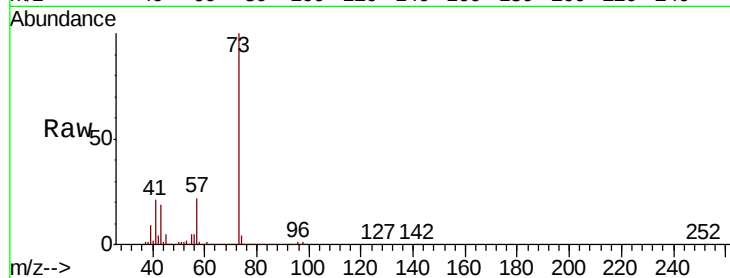
#19
Methvl tert-butvl Ether
Concen: 48.82 ug/l
RT: 3.20 min Scan# 429
Delta R.T. -0.01 min
Lab File: VX003872.D
Acq: 07 Aug 2018 10:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.2	18.0	27.0

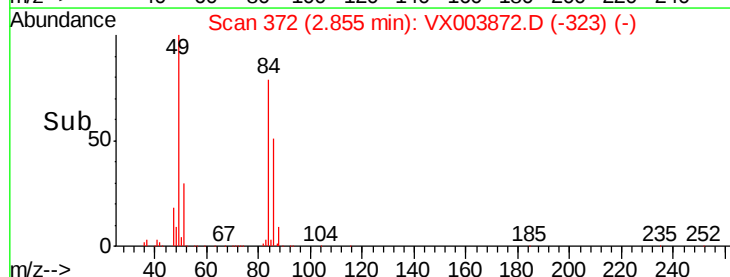
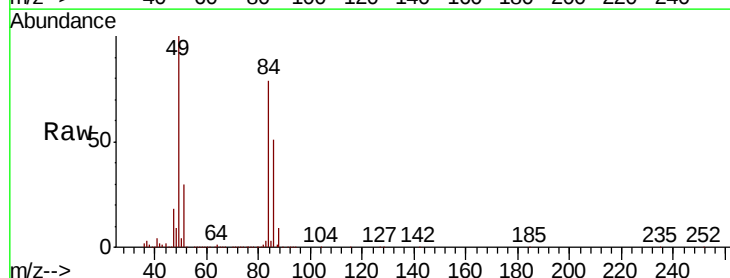
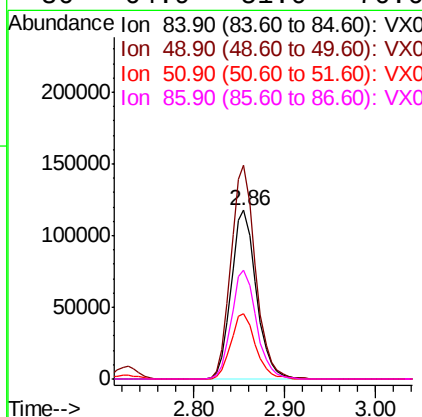
Manual Integrations
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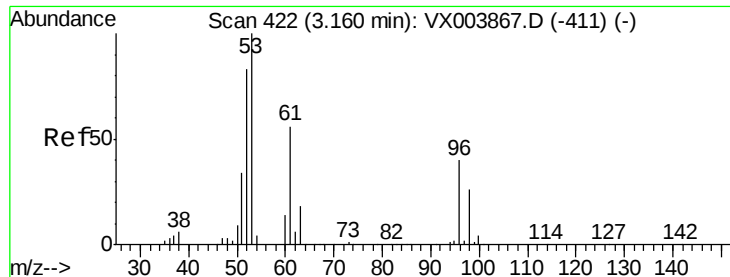
MMDadoda
8/8/2018 12:00:54 PM



#20
Methylene Chloride
Concen: 48.15 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003872.D
Acq: 07 Aug 2018 10:24

Tgt Ion	Ratio	Lower	Upper
84	100		
49	126.7	98.9	148.3
51	38.3	29.9	44.9
86	64.9	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 46.76 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX003872.D

Acq: 07 Aug 2018 10:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 214791

Ion Ratio Lower Upper

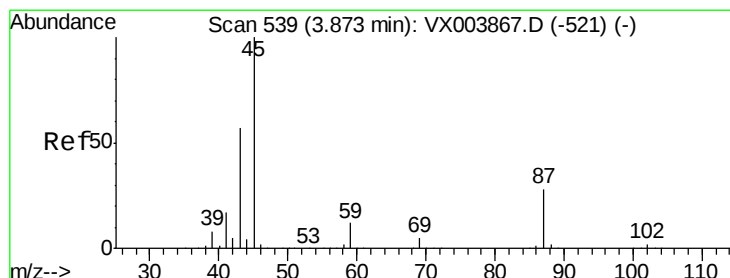
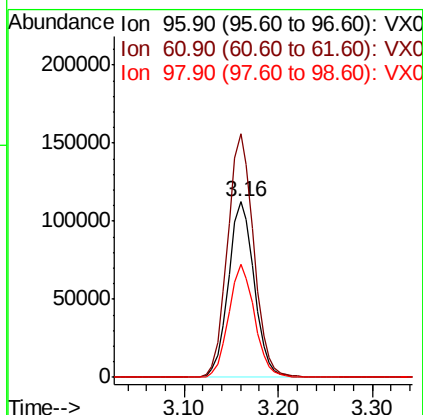
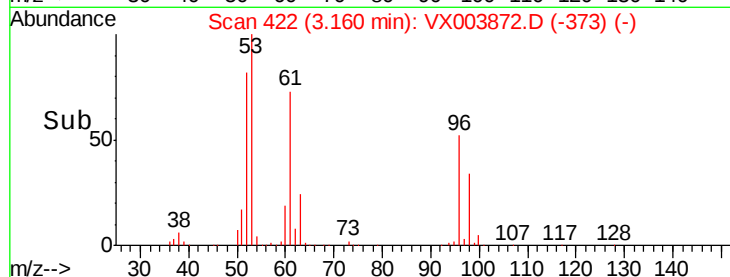
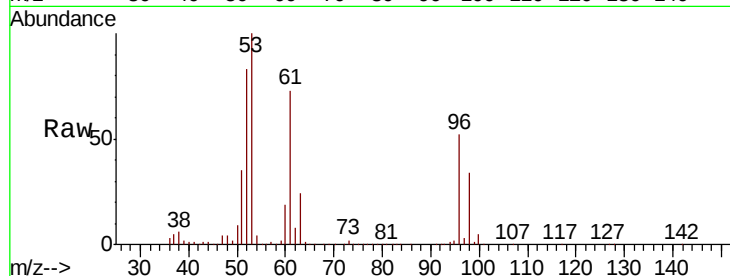
96 100

61 138.9 111.8 167.6

98 64.9 51.8 77.6

Manual Integrations
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MMDadoda
8/8/2018 12:00:54 PM



#22

Diisopropyl ether

Concen: 48.18 ug/l

RT: 3.87 min Scan# 539

Delta R.T. 0.00 min

Lab File: VX003872.D

Acq: 07 Aug 2018 10:24

Tgt Ion: 45 Resp: 690810

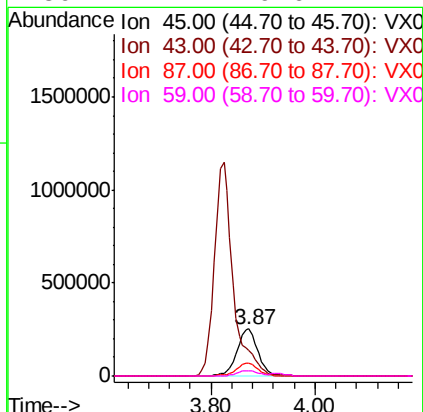
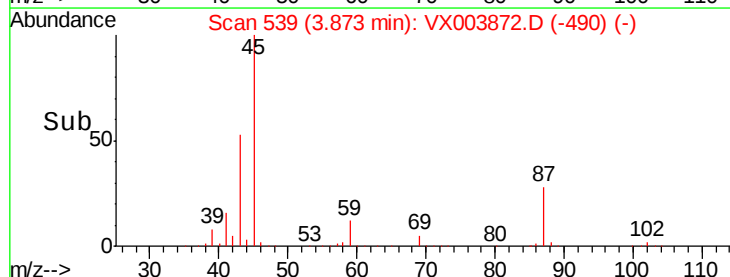
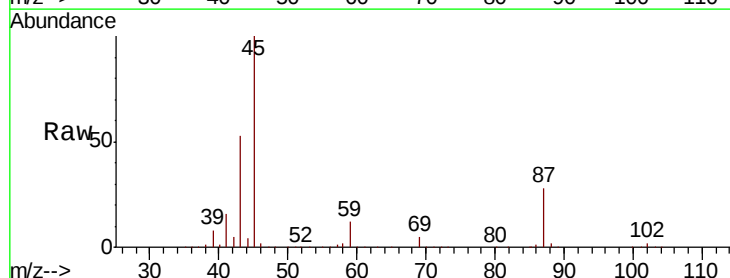
Ion Ratio Lower Upper

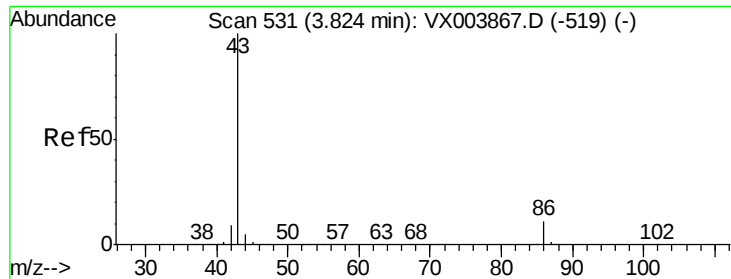
45 100

43 53.5 45.3 67.9

87 27.8 22.7 34.1

59 12.1 9.6 14.4





#23

Vinyl Acetate

Concen: 245.69 ug/l

RT: 3.82 min Scan# 531

Delta R.T. 0.00 min

Lab File: VX003872.D

Acq: 07 Aug 2018 10:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2930841

Ion Ratio Lower Upper

43 100

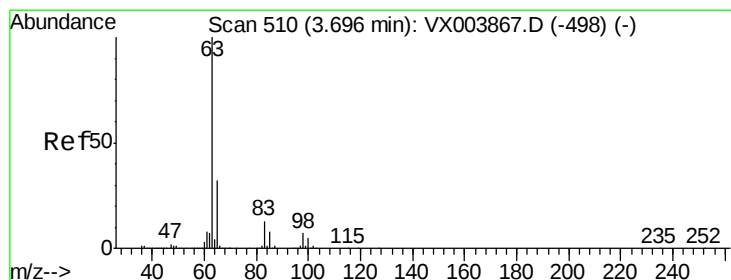
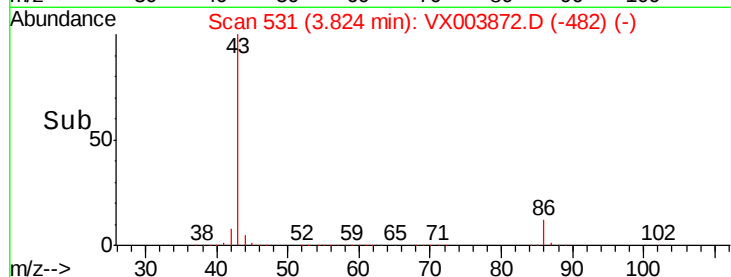
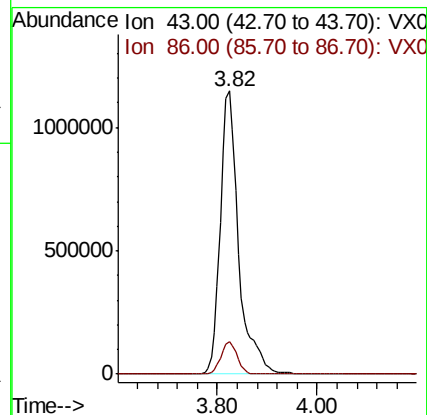
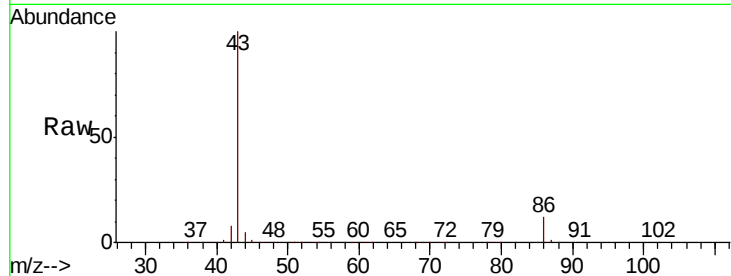
86 11.5 8.9 13.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 47.75 ug/l

RT: 3.69 min Scan# 509

Delta R.T. -0.01 min

Lab File: VX003872.D

Acq: 07 Aug 2018 10:24

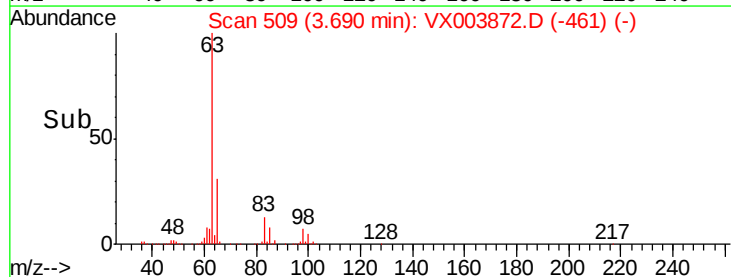
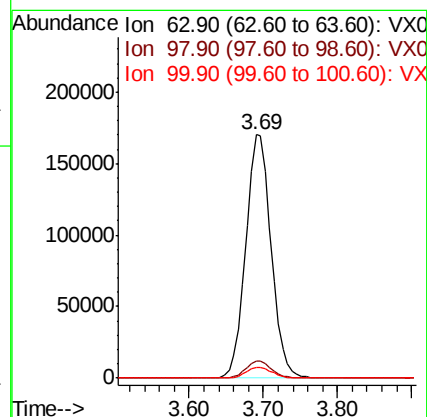
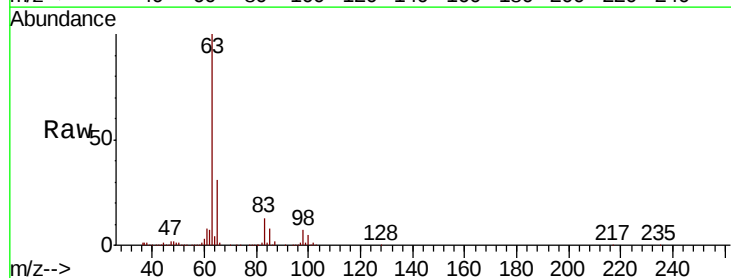
Tgt Ion: 63 Resp: 406632

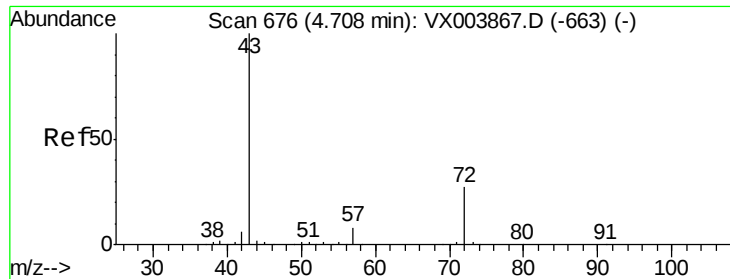
Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.5

100 4.6 2.3 6.8





#25

2-Butanone

Concen: 233.53 ug/l

RT: 4.70 min Scan# 675

Delta R.T. -0.01 min

Lab File: VX003872.D

Acq: 07 Aug 2018 10:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1043815

Ion Ratio Lower Upper

43 100

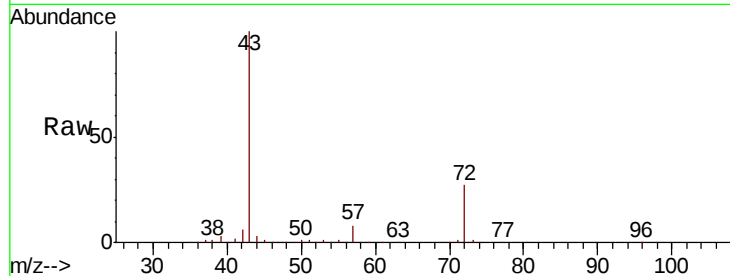
72 27.2 21.4 32.0

Manual Integrations

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MMDadoda

8/8/2018 12:00:54 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

400000

300000

200000

100000

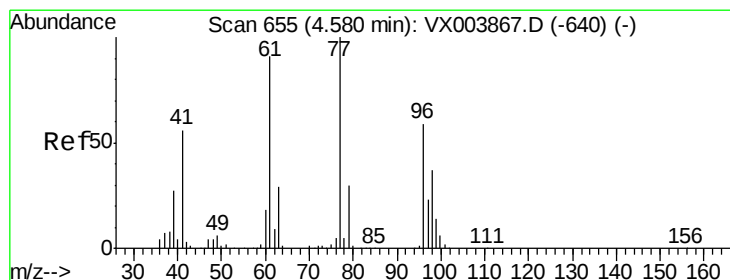
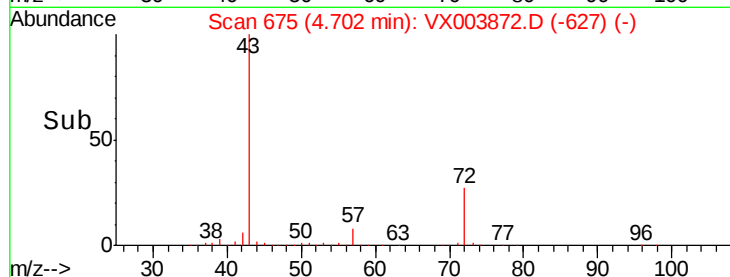
0

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 53.03 ug/l

RT: 4.58 min Scan# 655

Delta R.T. 0.00 min

Lab File: VX003872.D

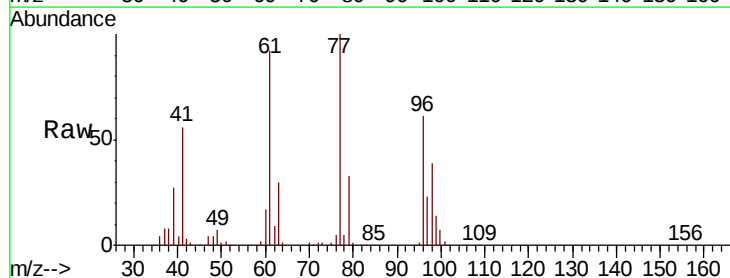
Acq: 07 Aug 2018 10:24

Tgt Ion: 77 Resp: 325677

Ion Ratio Lower Upper

77 100

97 23.6 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

120000

100000

80000

60000

40000

20000

0

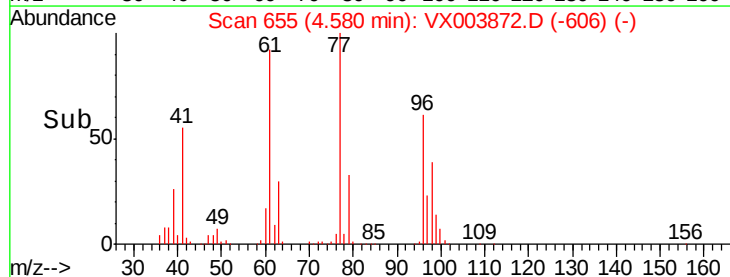
4.40

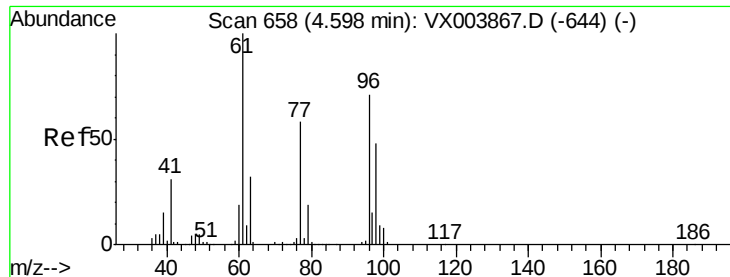
4.50

4.60

4.70

Time-->





#27

cis-1,2-Dichloroethene

Concen: 48.45 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.01 min

Lab File: VX003872.D

Acq: 07 Aug 2018 10:24

Instrument :

MSVOA_X

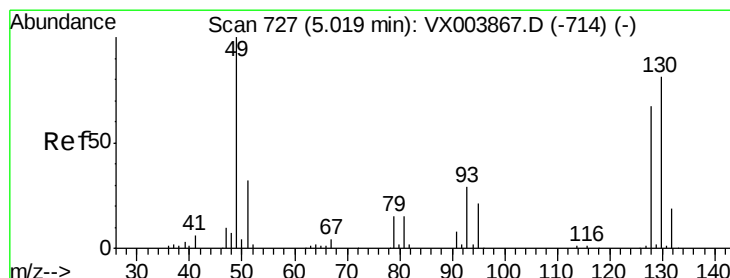
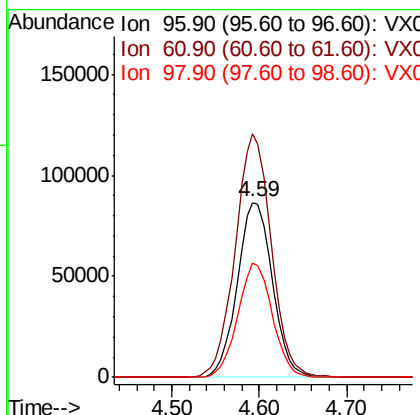
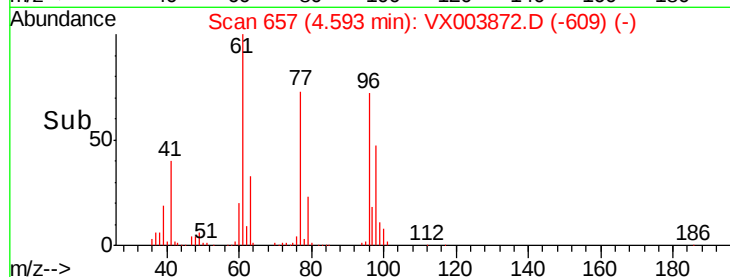
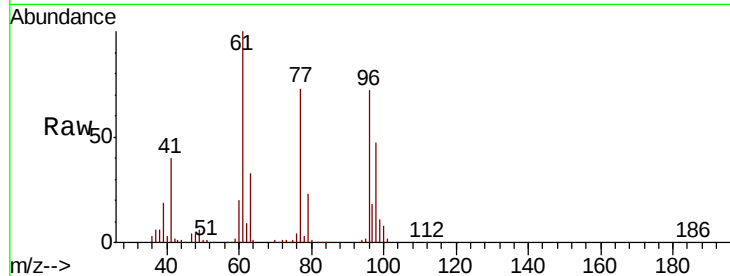
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	241469
Ion	Ratio	Lower	Upper
96	100		
61	143.1	0.0	293.0
98	64.5	0.0	131.8

Manual Integrations
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MMDadoda
8/8/2018 12:00:54 PM



#28

Bromochloromethane

Concen: 49.33 ug/l

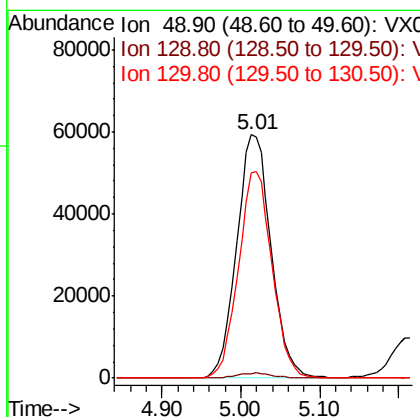
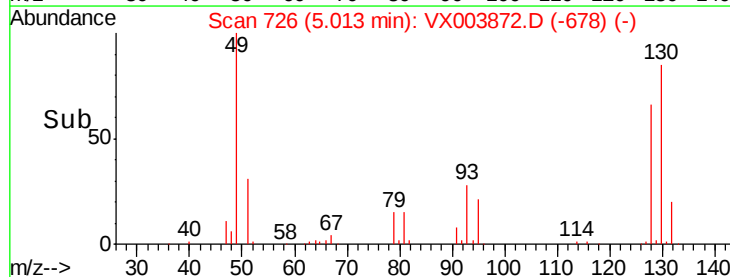
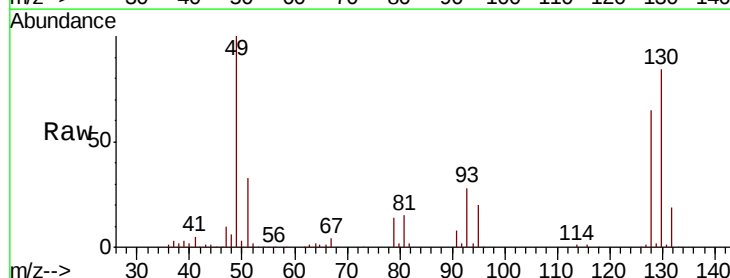
RT: 5.01 min Scan# 726

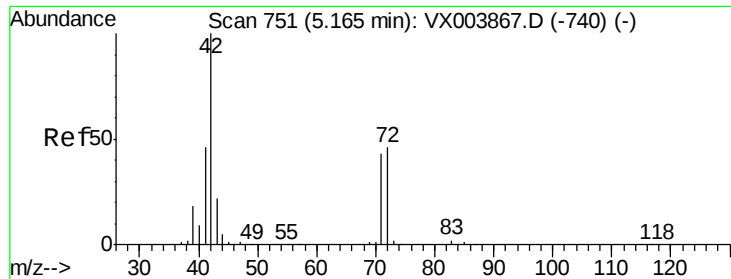
Delta R.T. -0.01 min

Lab File: VX003872.D

Acq: 07 Aug 2018 10:24

Tgt Ion:	49	Resp:	179789
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	82.9	66.5	99.7





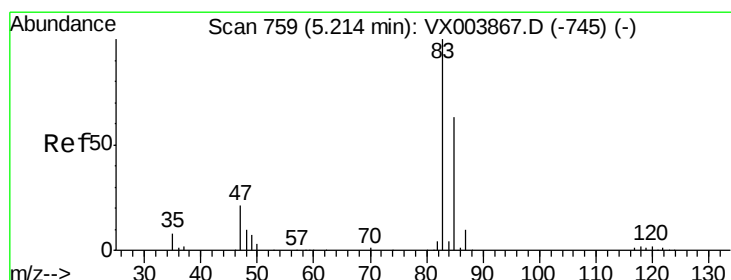
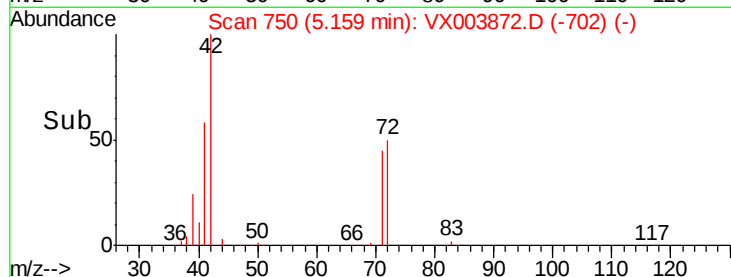
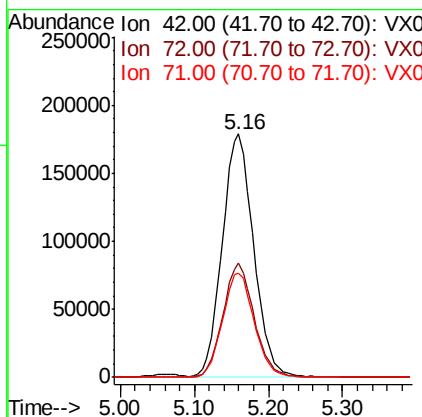
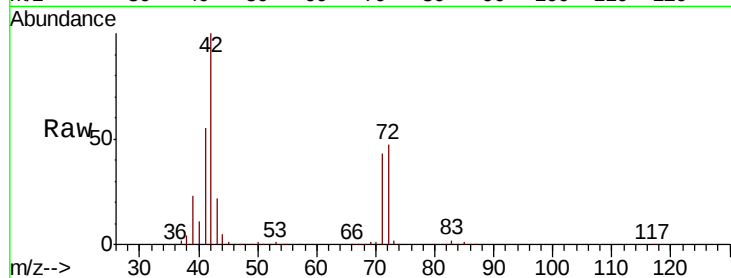
#29
Tetrahydrofuran
Concen: 228.56 ug/l
RT: 5.16 min Scan# 750
Delta R.T. -0.01 min
Lab File: VX003872.D
Acq: 07 Aug 2018 10:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.8	37.7	56.5
71	43.2	35.0	52.6

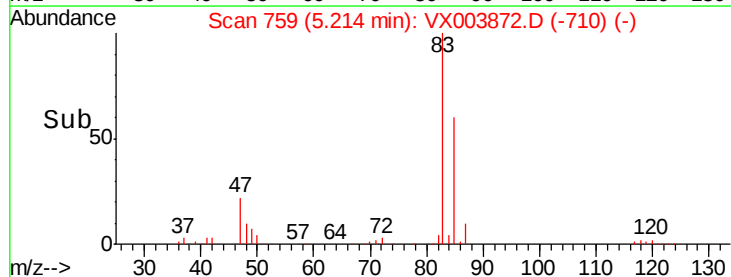
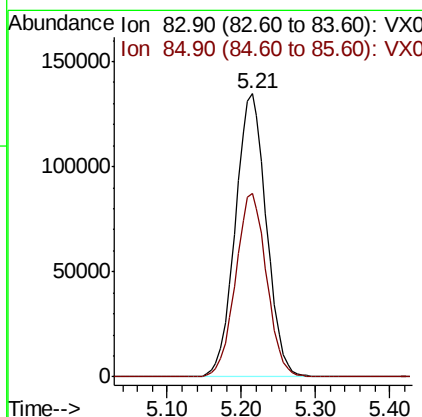
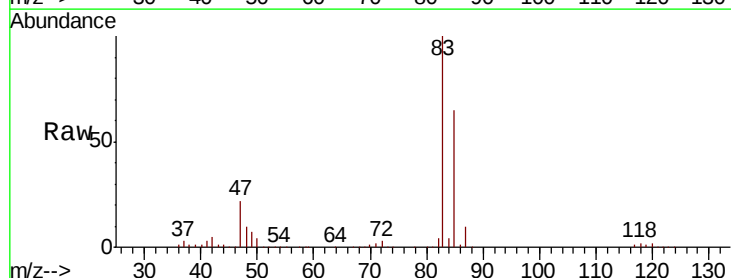
Manual Integrations
APPROVED

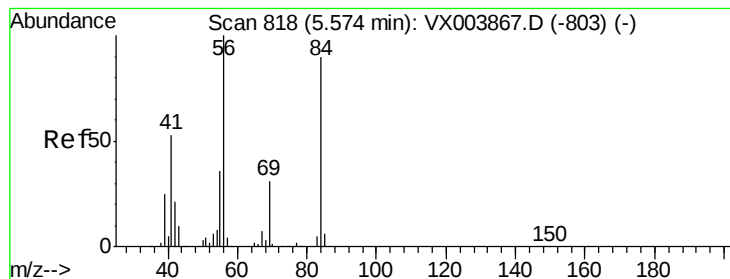
MMDadoda
8/8/2018 12:00:54 PM



#30
Chloroform
Concen: 49.11 ug/l
RT: 5.21 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX003872.D
Acq: 07 Aug 2018 10:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	50.7	76.1





#31

Cyclohexane

Concen: 50.29 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX003872.D

Acq: 07 Aug 2018 10:24

Instrument :

MSVOA_X

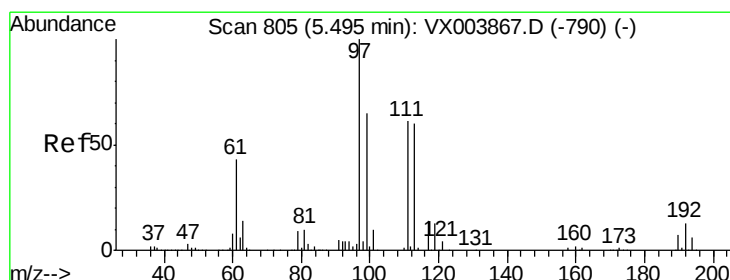
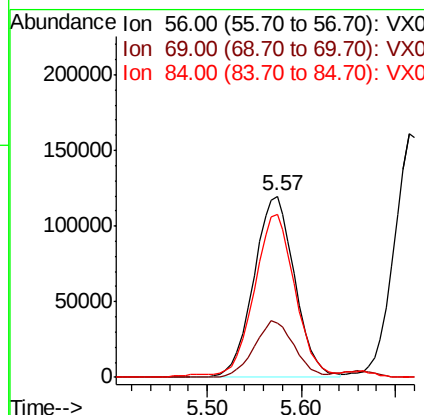
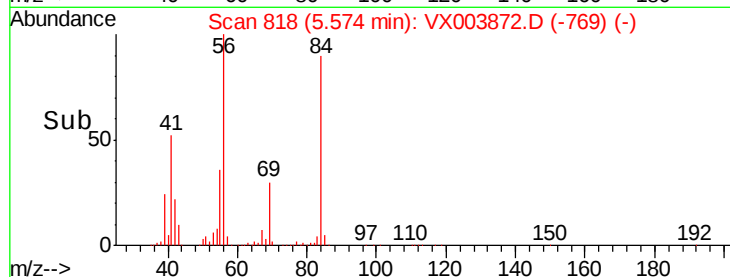
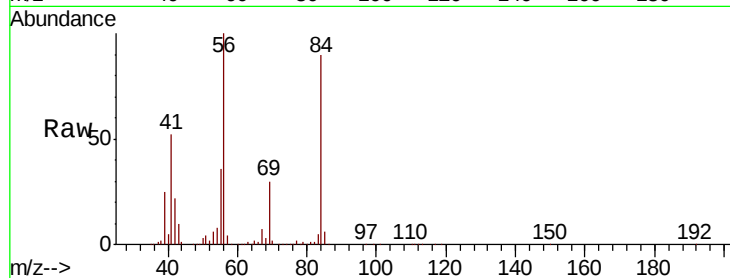
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	362191
Ion	Ratio	Lower	Upper
56	100		
69	30.1	24.9	37.3
84	88.6	71.7	107.5

Manual Integrations
APPROVED

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8/8/2018 12:00:54 PM



#32

1,1,1-Trichloroethane

Concen: 50.41 ug/l

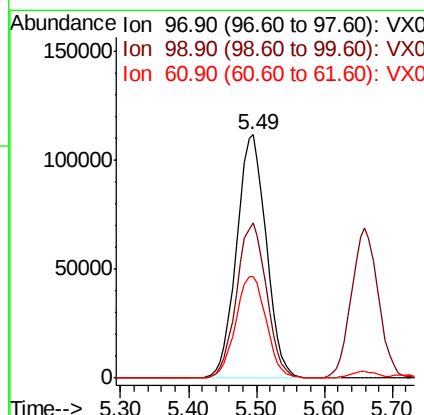
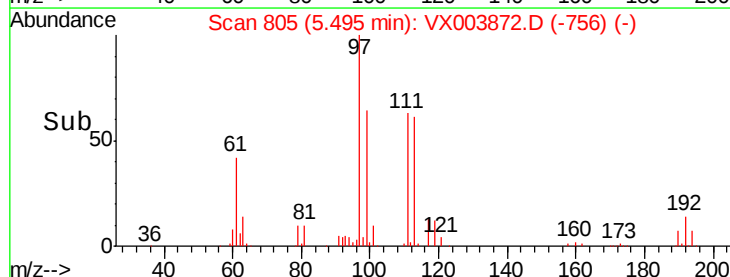
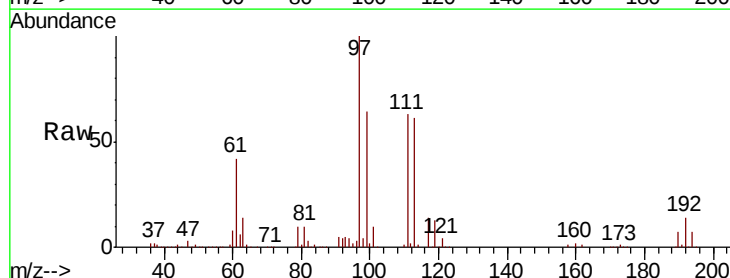
RT: 5.49 min Scan# 805

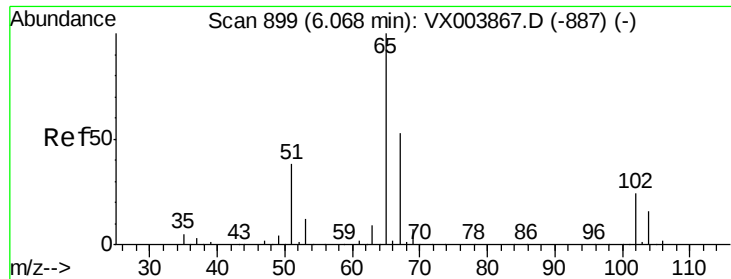
Delta R.T. 0.00 min

Lab File: VX003872.D

Acq: 07 Aug 2018 10:24

Tgt Ion:	97	Resp:	338951
Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.8	77.8
61	43.2	34.4	51.6





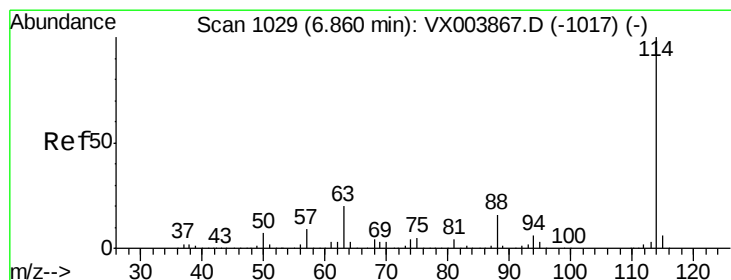
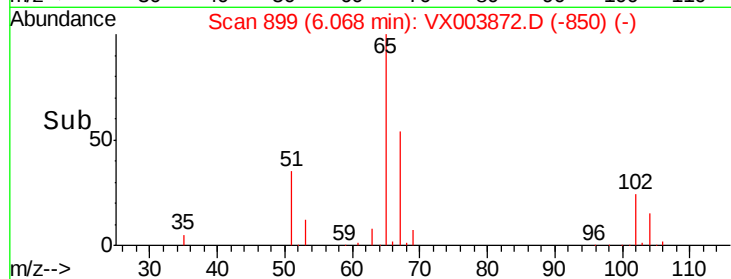
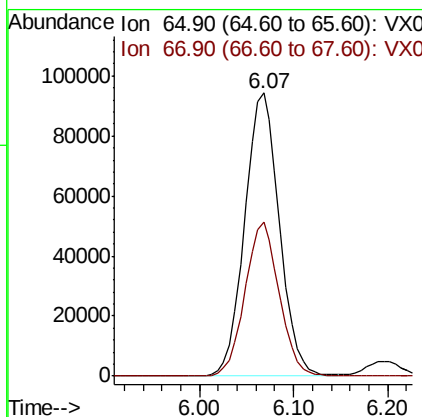
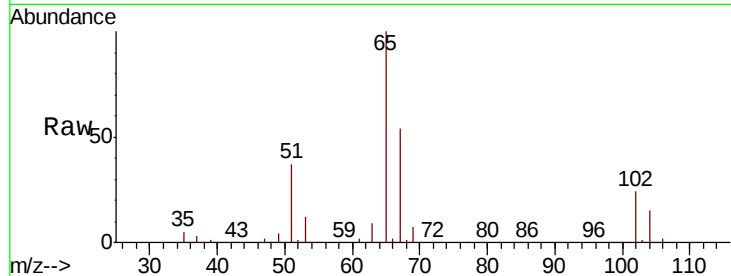
#33
 1,2-Dichloroethane-d4
 Concen: 48.70 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX003872.D
 Acq: 07 Aug 2018 10:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	243380		
67	53.6	0.0	105.8	

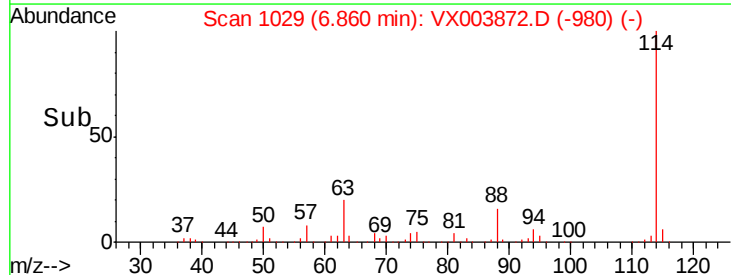
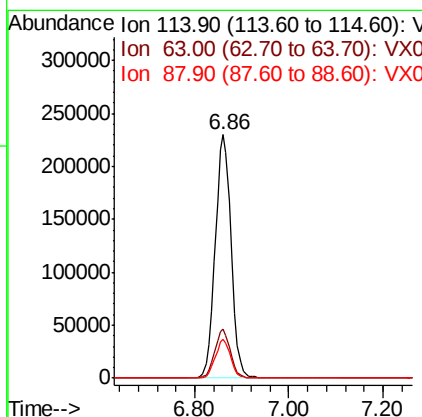
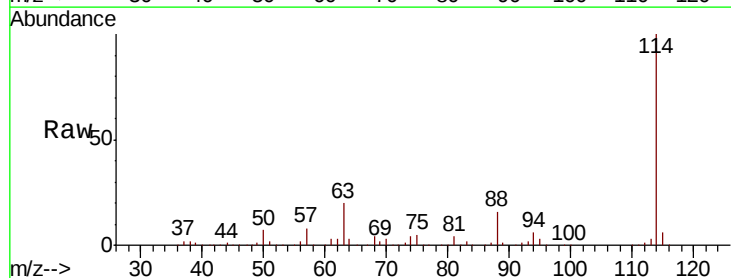
Manual Integrations
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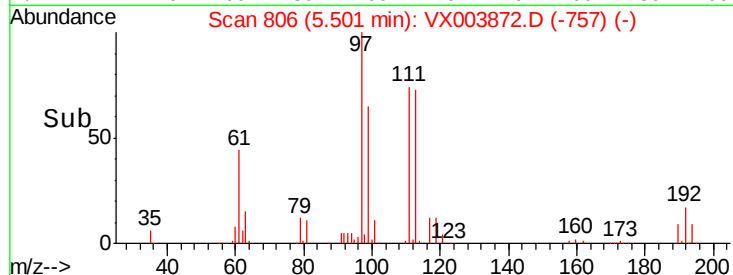
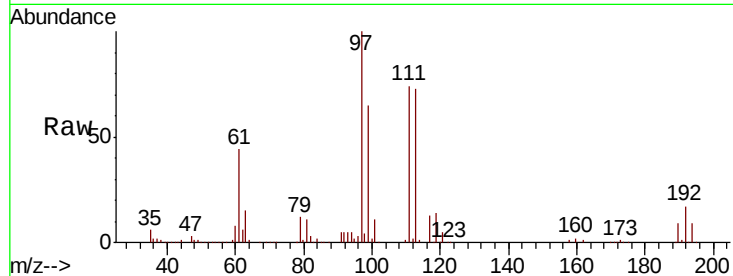
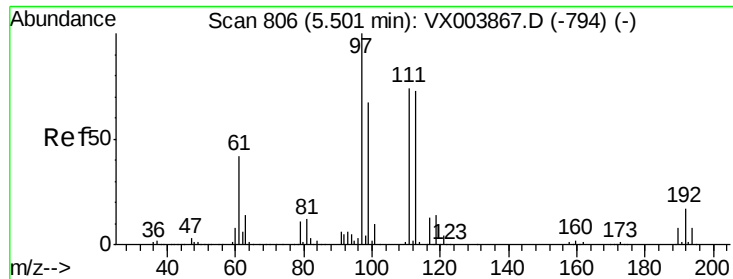
MMDadoda
 8/8/2018 12:00:54 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. 0.00 min
 Lab File: VX003872.D
 Acq: 07 Aug 2018 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	533402		
63	20.2	0.0	39.0	
88	15.9	0.0	32.0	





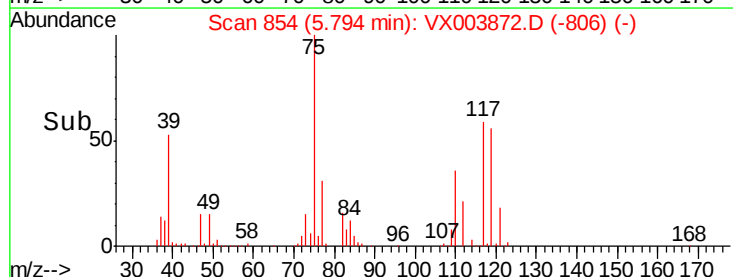
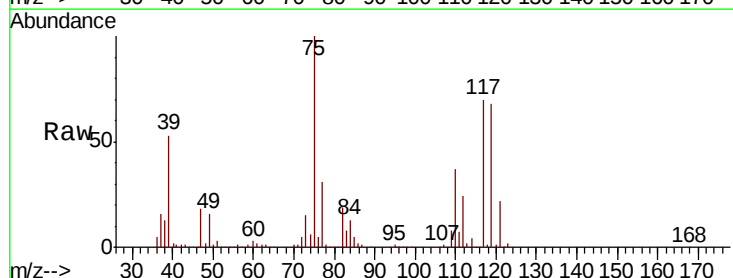
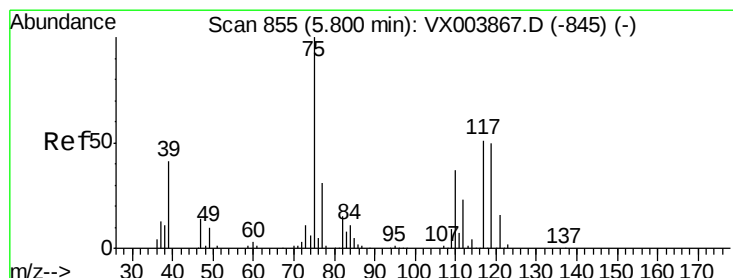
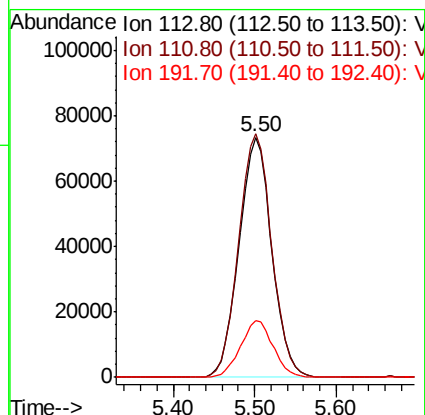
#35
Dibromofluoromethane
Concen: 50.41 ug/l
RT: 5.50 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX003872.D
Acq: 07 Aug 2018 10:24

Tot Ion	Ratio	Resp	Lower	Upper
113	100	203699		
111	102.6	82.0	123.0	
192	23.6	19.0	28.4	

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

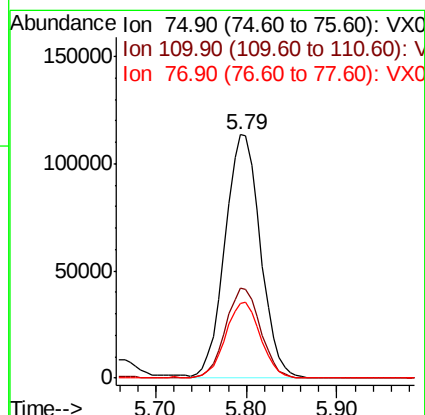
Manual Integrations
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8/8/2018 12:00:54 PM



#36
1,1-Dichloropropene
Concen: 51.62 ug/l
RT: 5.79 min Scan# 854
Delta R.T. -0.01 min
Lab File: VX003872.D
Acq: 07 Aug 2018 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	308391		
110	36.6	18.2	54.6	
77	30.9	25.0	37.4	





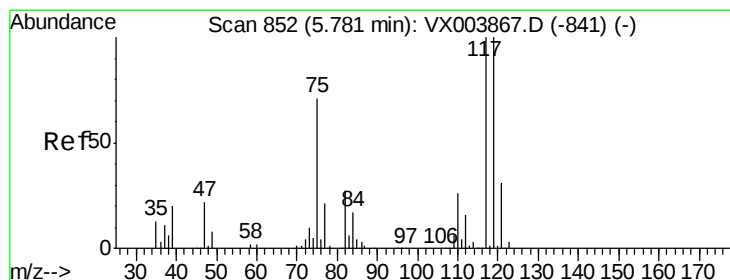
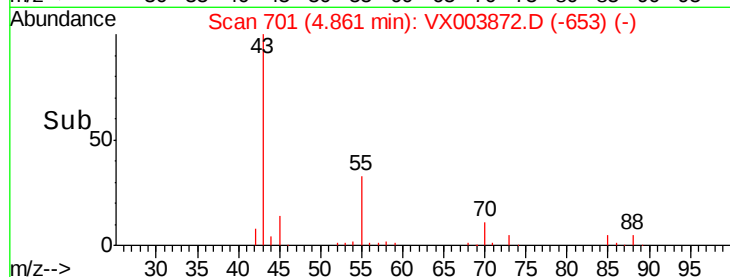
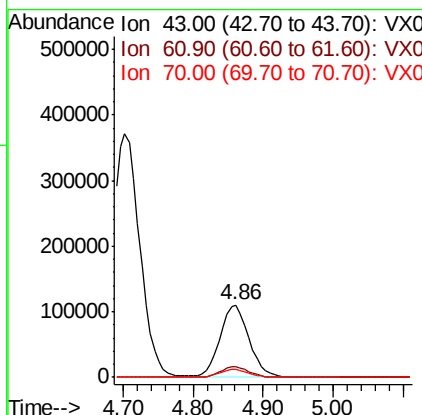
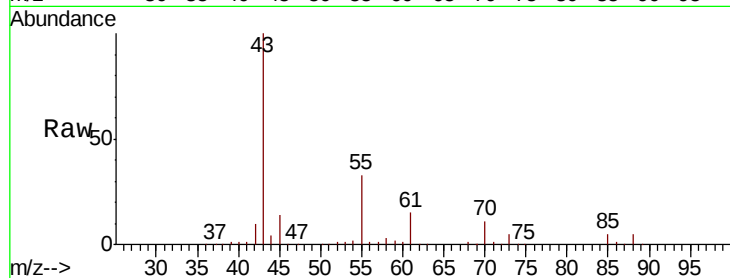
#37
Ethyl Acetate
Concen: 48.41 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.01 min
Lab File: VX003872.D
Acq: 07 Aug 2018 10:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	43	Resp:	318152
Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.5	17.3
70	11.3	9.0	13.4

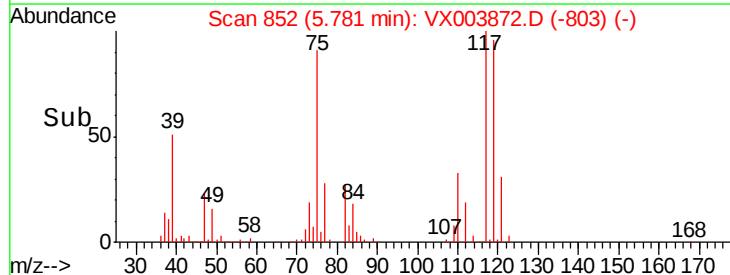
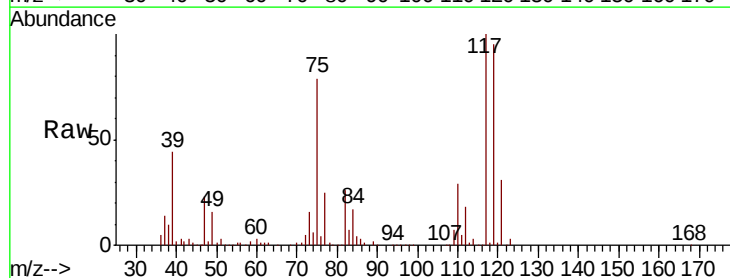
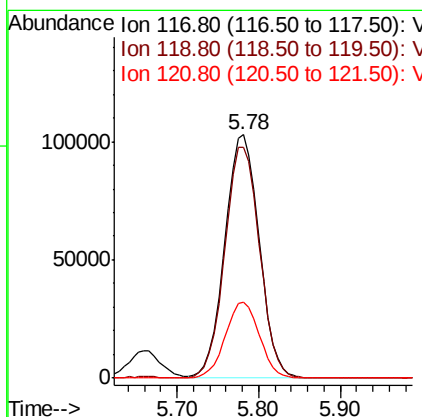
Manual Integrations
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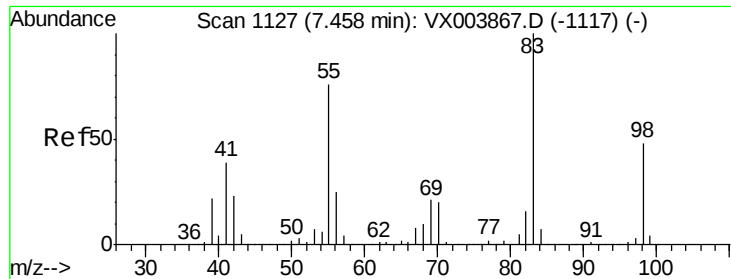
MMDadoda
8/8/2018 12:00:54 PM



#38
Carbon Tetrachloride
Concen: 52.58 ug/l
RT: 5.78 min Scan# 852
Delta R.T. 0.00 min
Lab File: VX003872.D
Acq: 07 Aug 2018 10:24

Tgt Ion:	117	Resp:	298995
Ion	Ratio	Lower	Upper
117	100		
119	94.8	79.5	119.3
121	31.0	25.0	37.4





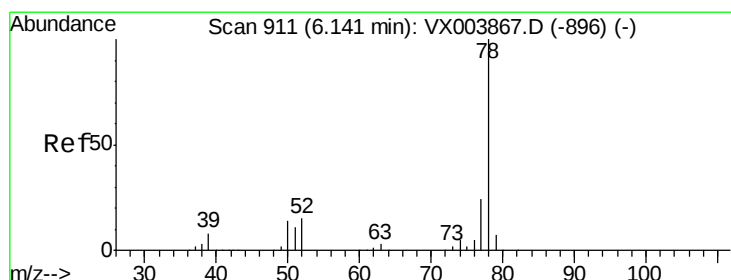
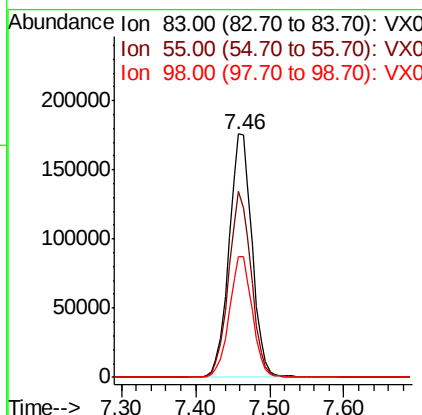
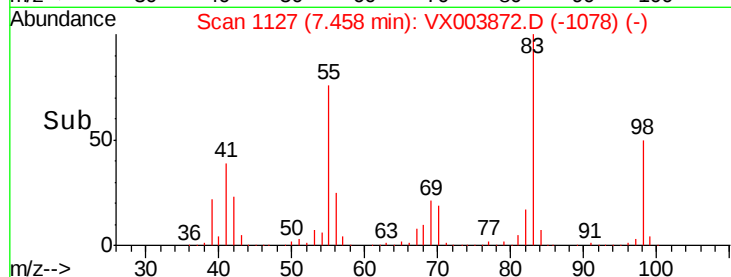
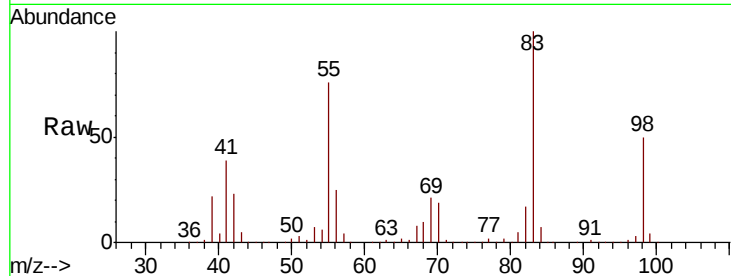
#39
Methvlcvclohexane
Concen: 54.04 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VX003872.D
Acq: 07 Aug 2018 10:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	76.4	61.0	91.6	
98	49.8	38.6	57.8	

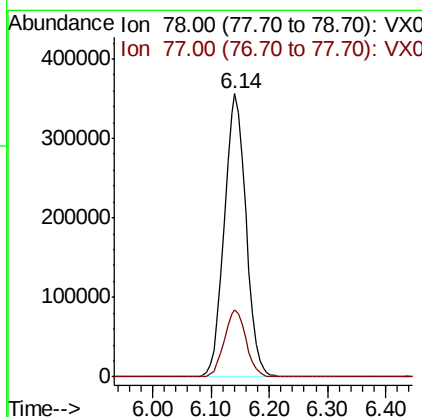
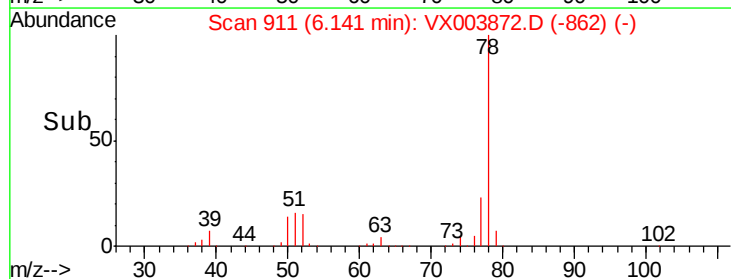
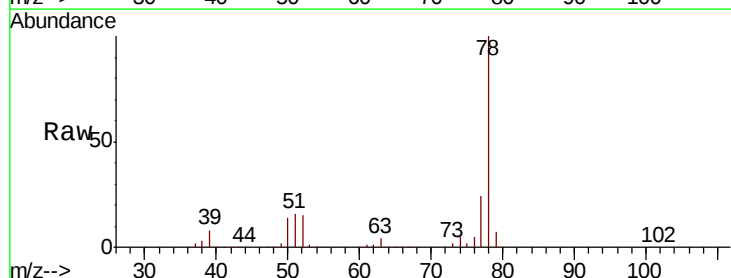
Manual Integrations
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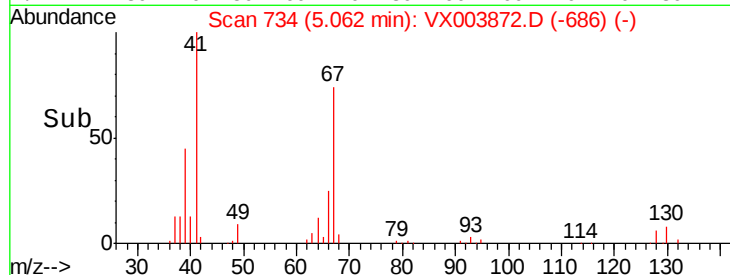
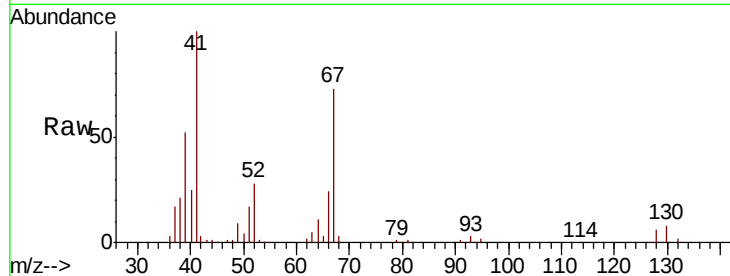
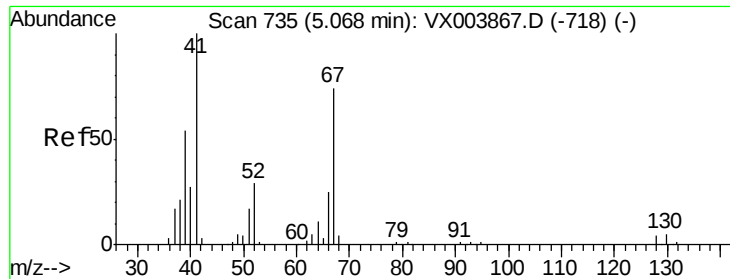
MMDadoda
8/8/2018 12:00:54 PM



#40
Benzene
Concen: 51.29 ug/l
RT: 6.14 min Scan# 911
Delta R.T. 0.00 min
Lab File: VX003872.D
Acq: 07 Aug 2018 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.7	19.0	28.4	





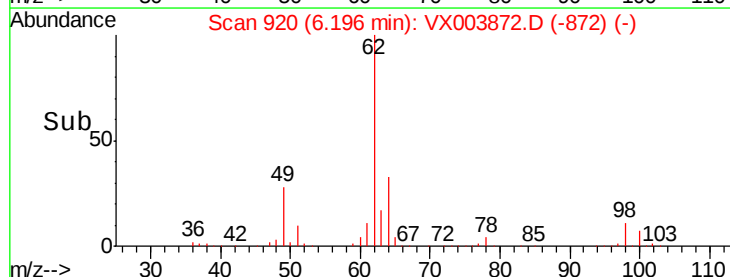
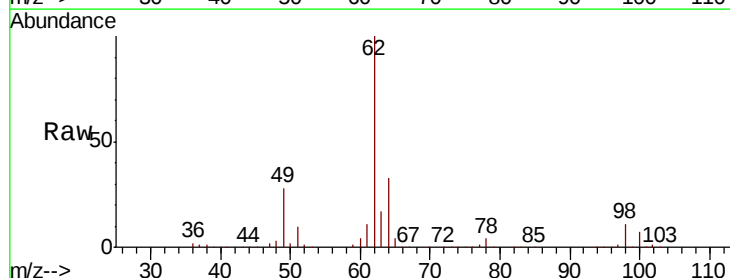
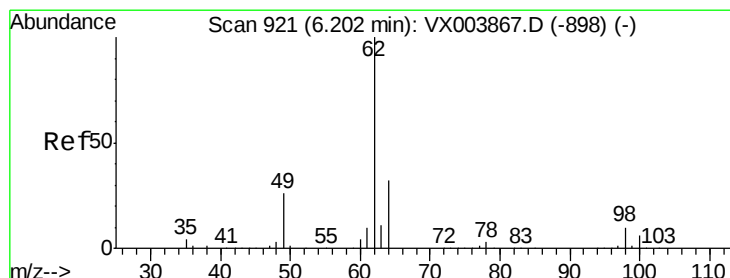
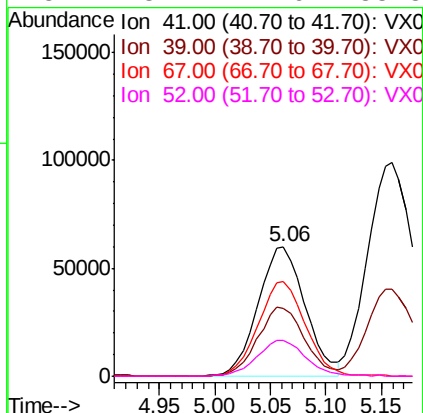
#41
Methacrylonitrile
Concen: 48.90 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX003872.D
Acq: 07 Aug 2018 10:24

Tot Ion	Ion	Ratio	Lower	Upper
176994	41	100		
	39	53.2	42.7	64.1
	67	74.1	58.9	88.3
	52	28.4	22.6	33.8

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

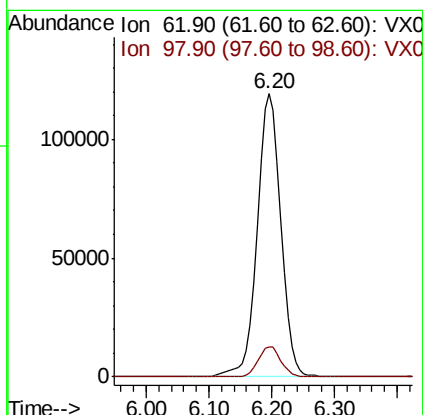
Manual Integrations
APPROVED

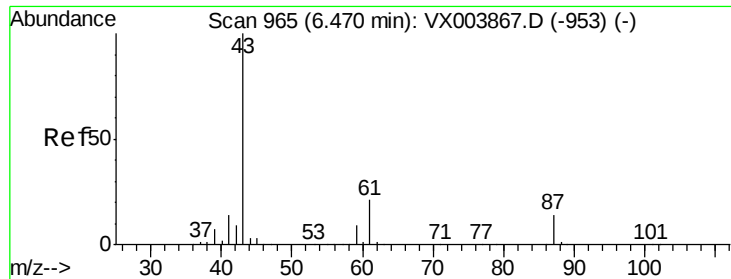
MMDadoda
8/8/2018 12:00:54 PM



#42
1,2-Dichloroethane
Concen: 51.10 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.01 min
Lab File: VX003872.D
Acq: 07 Aug 2018 10:24

Tgt Ion	Ion	Ratio	Lower	Upper
309958	62	100		
	98	10.4	0.0	20.4





#43

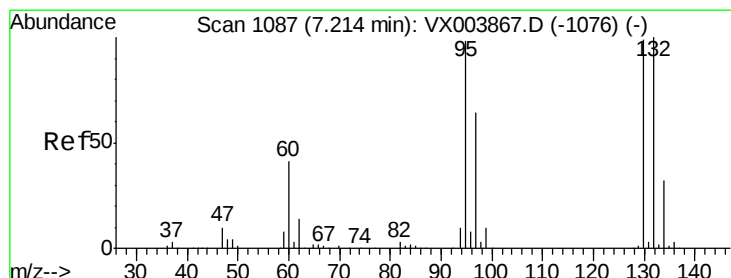
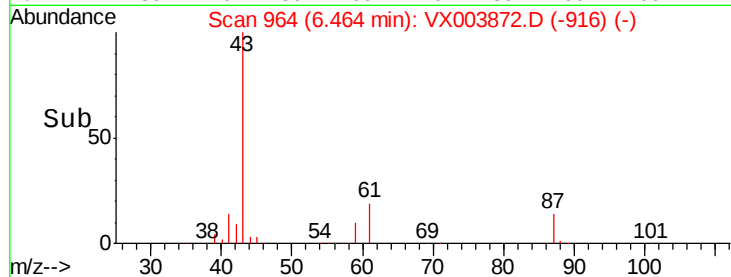
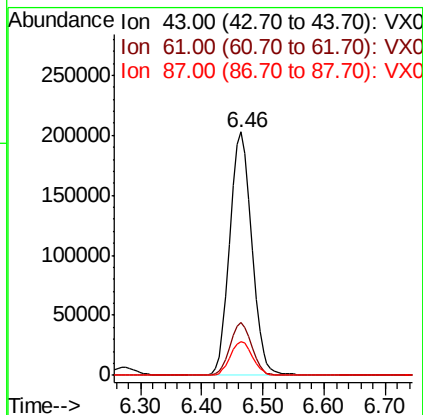
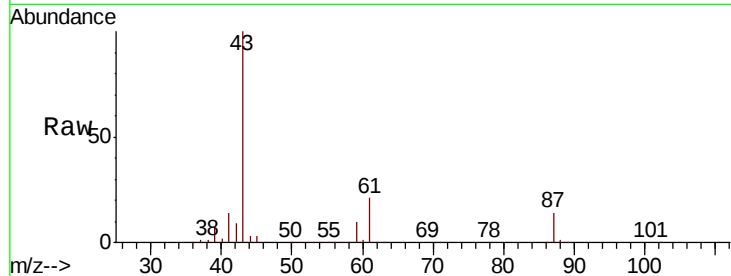
Isopropyl Acetate
 Concen: 50.62 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. -0.01 min
 Lab File: VX003872.D
 Acq: 07 Aug 2018 10:24

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.4	16.9	25.3
87	14.1	11.3	16.9

Manual Integrations
 APPROVED

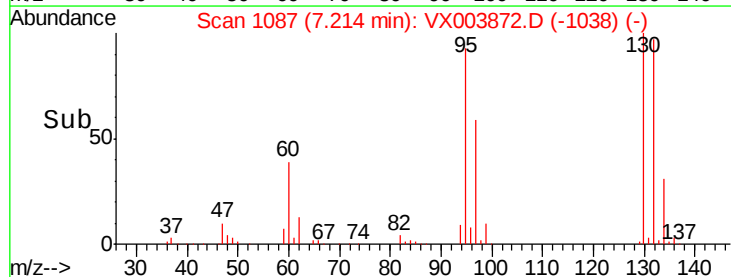
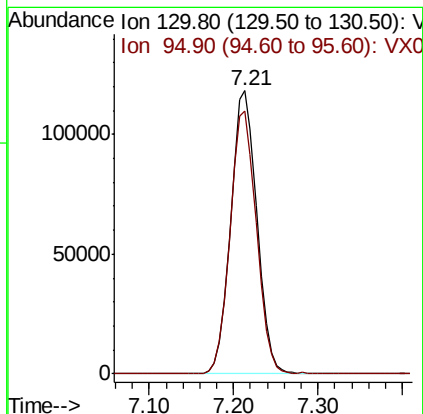
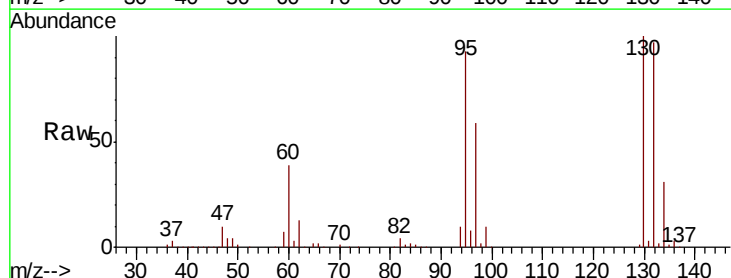
MMDadoda
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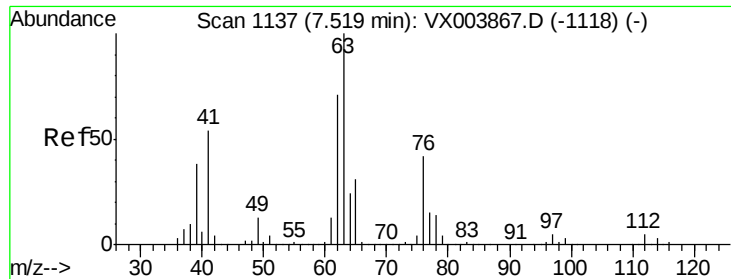


#44

Trichloroethene
 Concen: 50.52 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX003872.D
 Acq: 07 Aug 2018 10:24

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.9	0.0	199.4





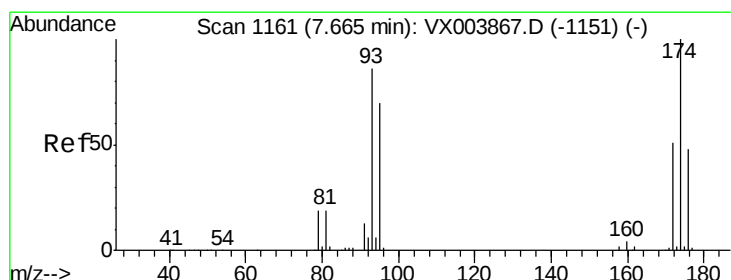
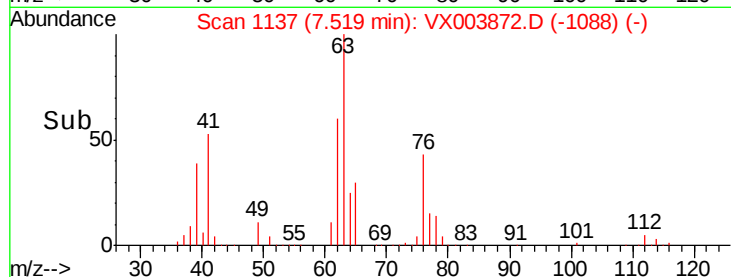
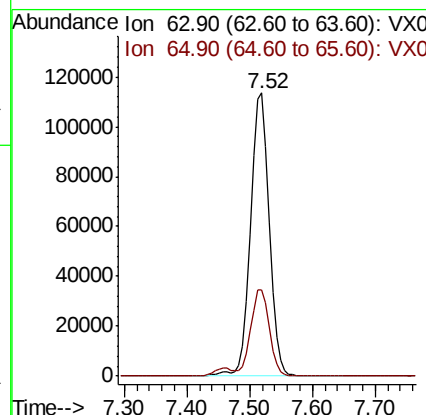
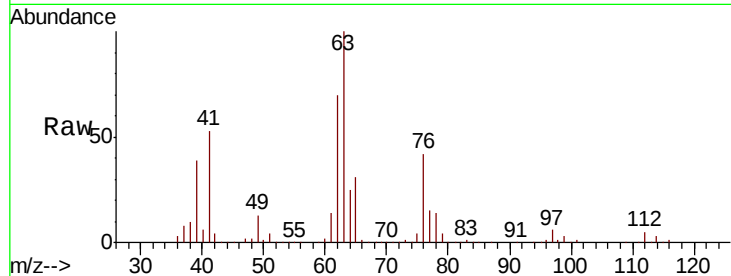
#45
 1,2-Dichloropropane
 Concen: 50.64 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003872.D
 Acq: 07 Aug 2018 10:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.6	36.8

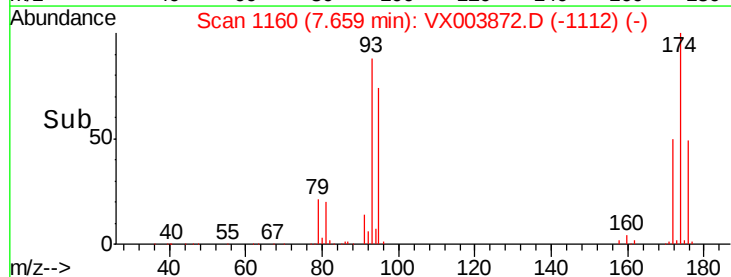
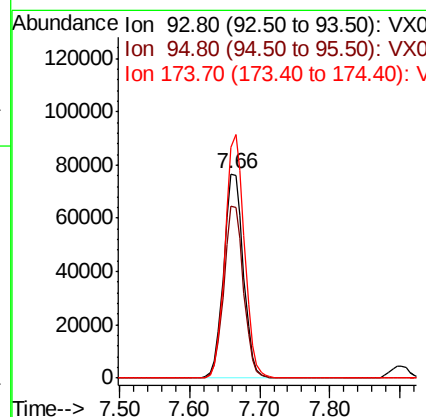
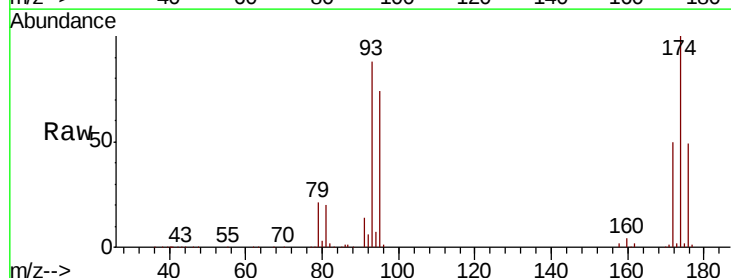
Manual Integrations
 APPROVED

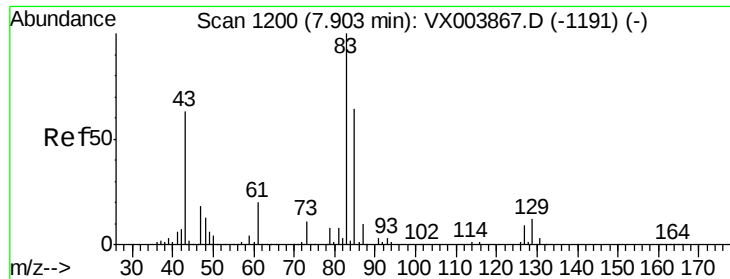
MMDadoda
 8/8/2018 12:00:54 PM



#46
 Dibromomethane
 Concen: 49.86 ug/l
 RT: 7.66 min Scan# 1160
 Delta R.T. -0.01 min
 Lab File: VX003872.D
 Acq: 07 Aug 2018 10:24

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.7	66.4	99.6
174	116.9	94.3	141.5





#47

Bromodichloromethane

Concen: 51.96 ug/l

RT: 7.90 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VX003872.D

Acq: 07 Aug 2018 10:24

Instrument :

MSVOA_X

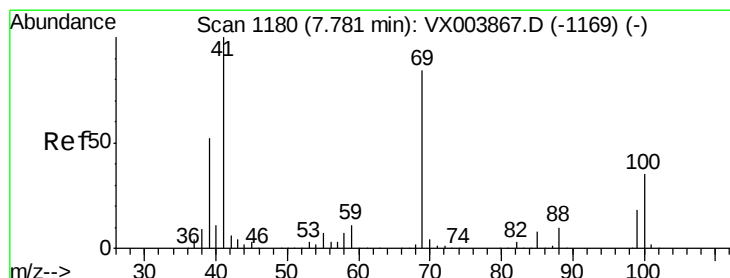
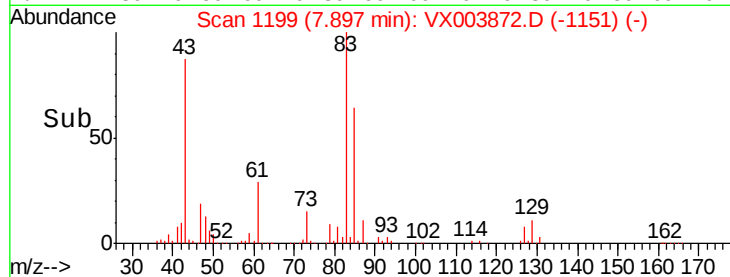
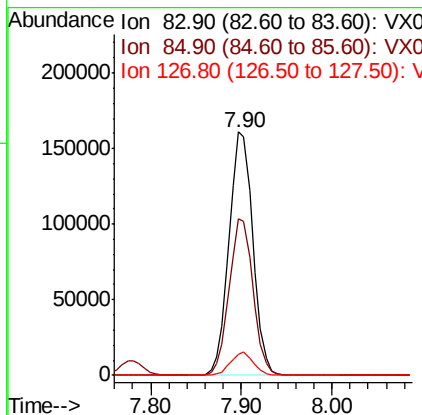
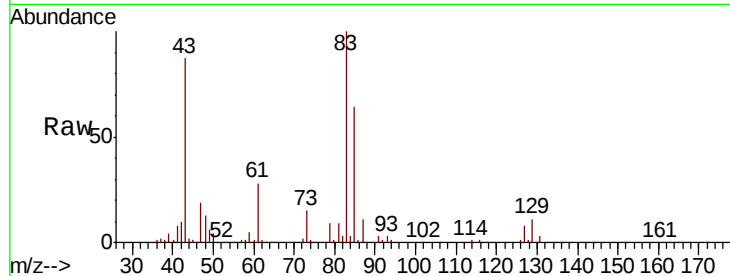
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	294383
Ion Ratio	Lower	Upper	
83	100		
85	64.2	51.2	76.8
127	8.4	7.2	10.8

Manual Integrations
APPROVED

MMDadoda
8/8/2018 12:00:54 PM



#48

Methyl methacrylate

Concen: 51.64 ug/l

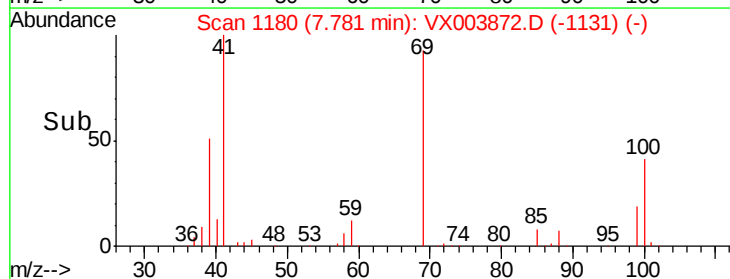
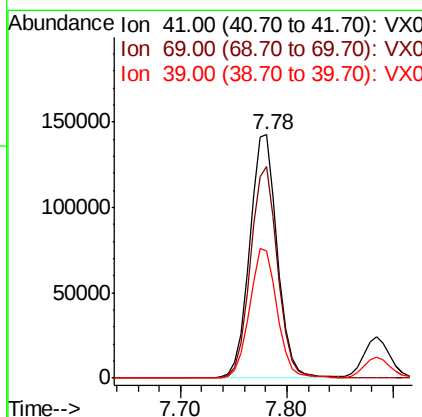
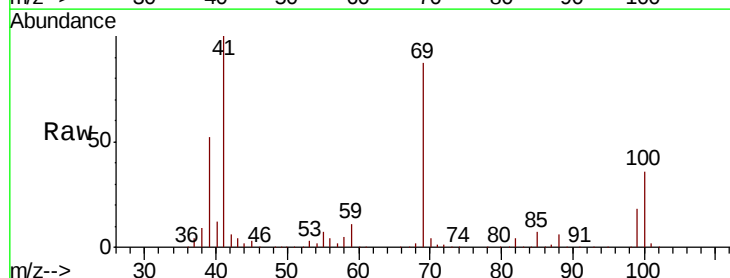
RT: 7.78 min Scan# 1180

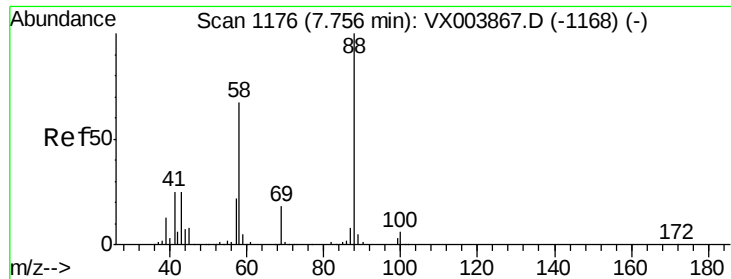
Delta R.T. 0.00 min

Lab File: VX003872.D

Acq: 07 Aug 2018 10:24

Tgt Ion:	41	Resp:	259605
Ion Ratio	Lower	Upper	
41	100		
69	85.9	68.8	103.2
39	52.9	42.3	63.5





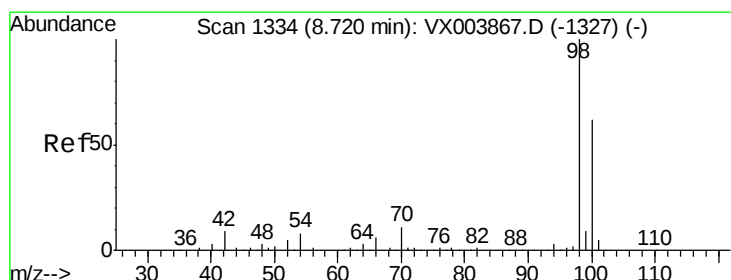
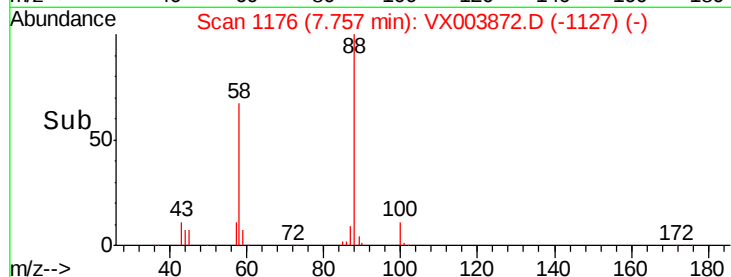
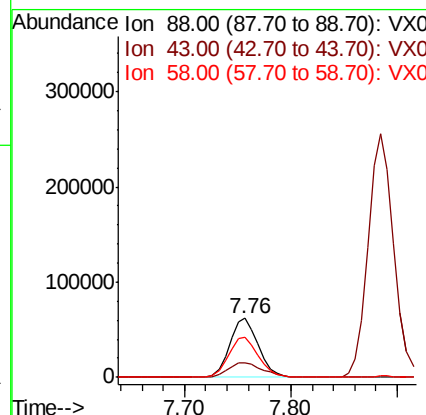
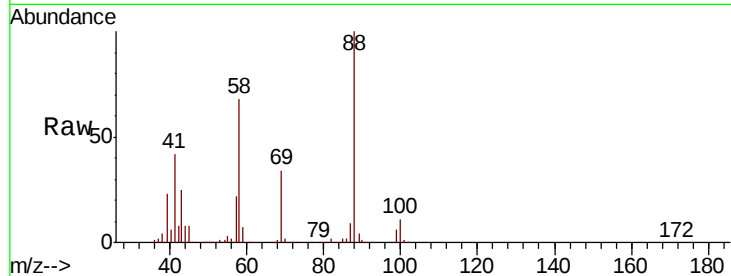
#49
 1,4-Dioxane
 Concen: 987.45 ug/l
 RT: 7.76 min Scan# 1176
 Delta R.T. 0.00 min
 Lab File: VX003872.D
 Acq: 07 Aug 2018 10:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.0	23.8	35.8
58	70.5	55.4	83.0

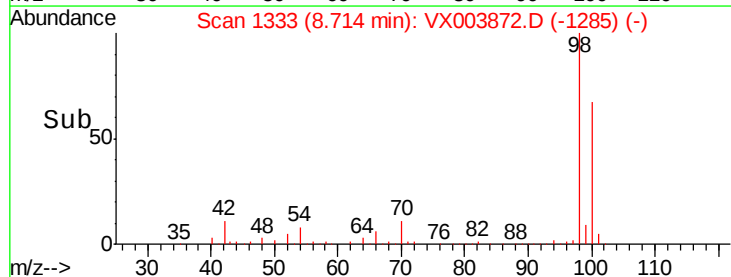
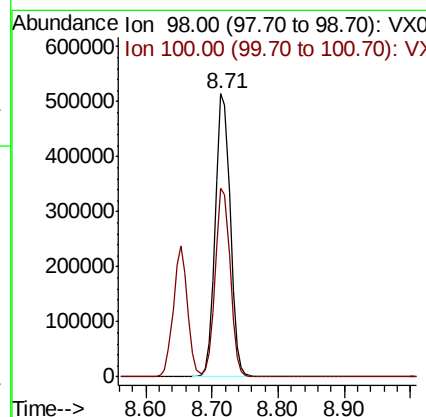
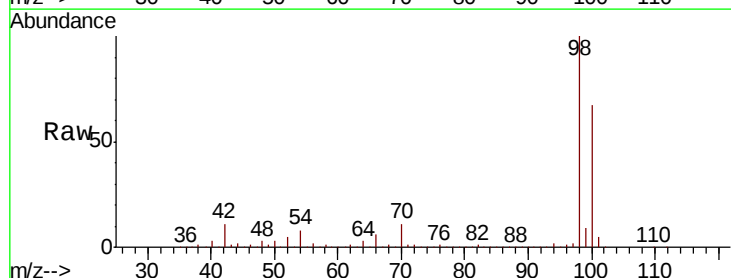
Manual Integrations
 APPROVED

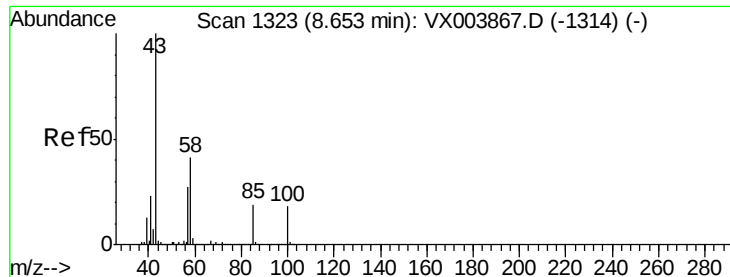
MMDadoda
 8/8/2018 12:00:54 PM



#50
 Toluene-d8
 Concen: 51.16 ug/l
 RT: 8.71 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: VX003872.D
 Acq: 07 Aug 2018 10:24

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 252.02 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX003872.D

Acq: 07 Aug 2018 10:24

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 2065843

Ion Ratio Lower Upper

43 100

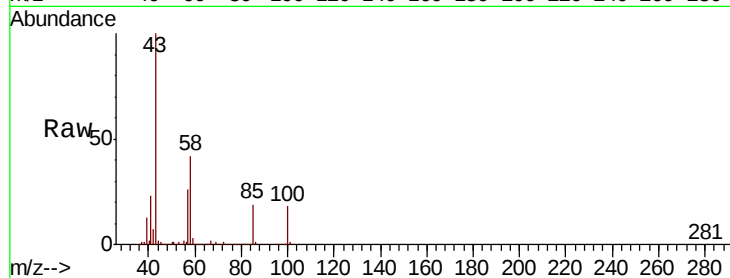
58 41.5 33.0 49.6

Manual Integrations

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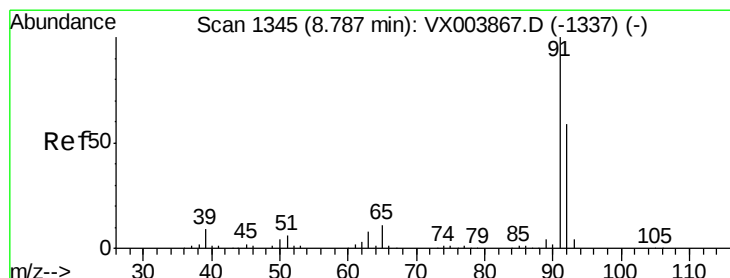
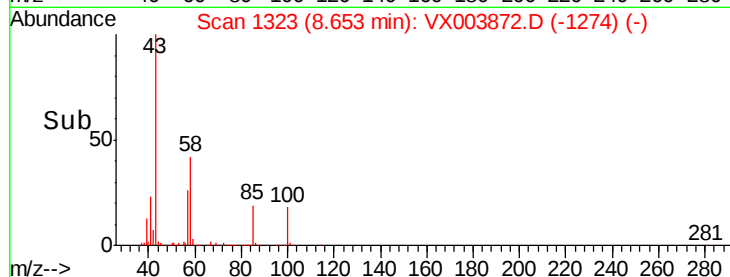
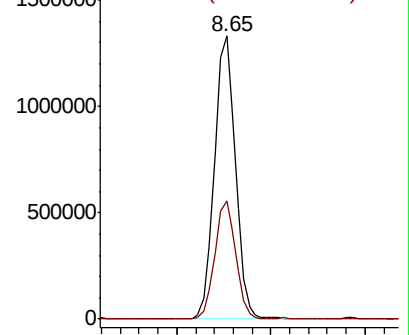
MMDadoda

8/8/2018 12:00:54 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 52.01 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003872.D

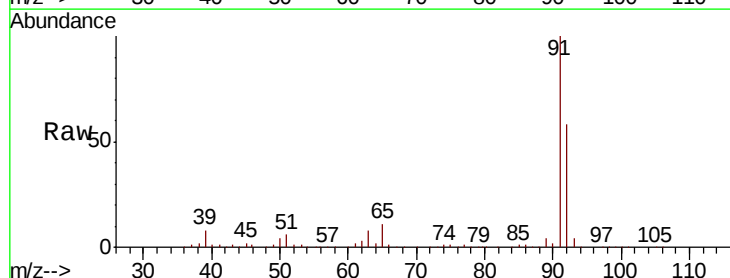
Acq: 07 Aug 2018 10:24

Tgt Ion: 92 Resp: 589552

Ion Ratio Lower Upper

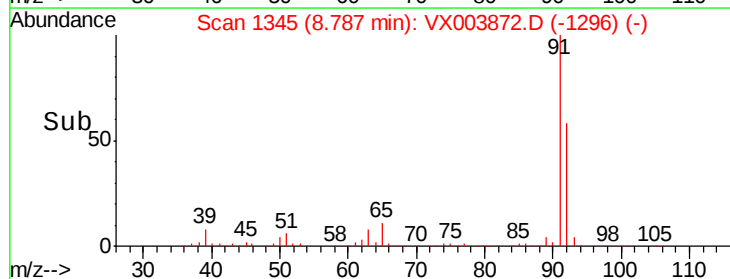
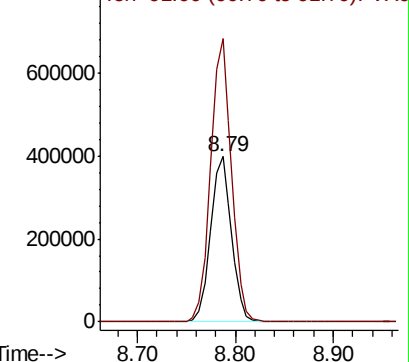
92 100

91 171.0 136.1 204.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





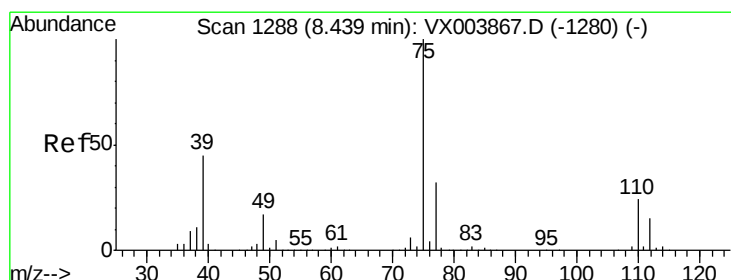
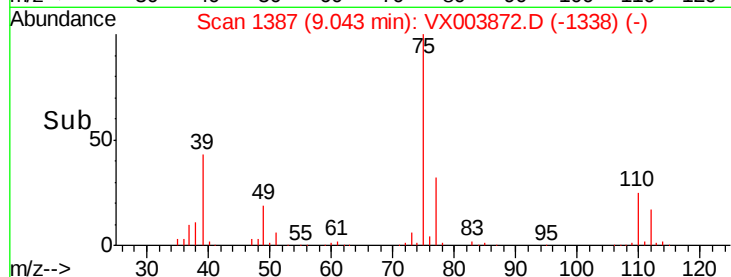
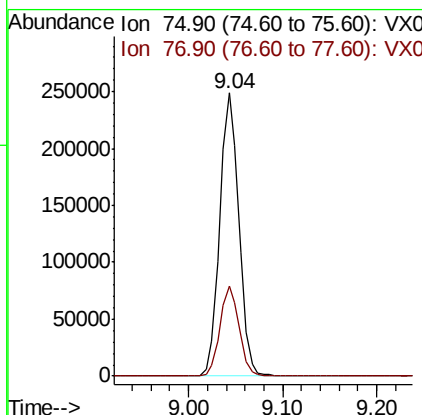
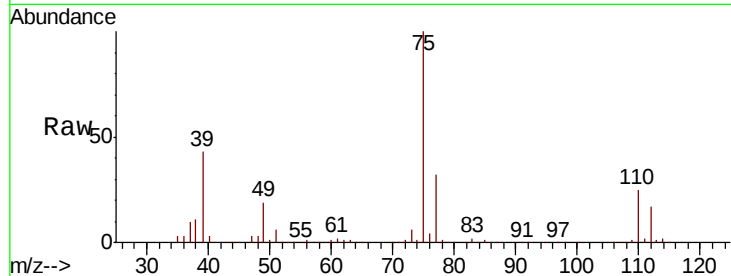
#53
t-1,3-Dichloropropene
Concen: 54.57 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VX003872.D
Acq: 07 Aug 2018 10:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 349480
Ion Ratio Lower Upper
75 100
77 31.8 25.1 37.7

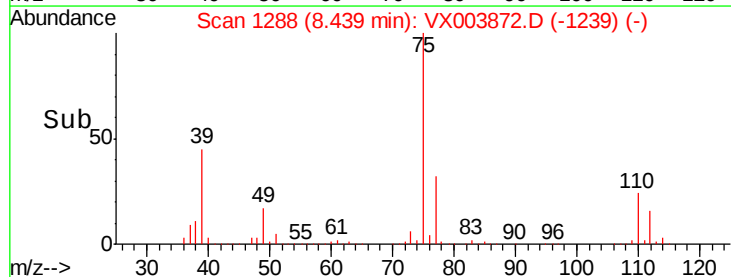
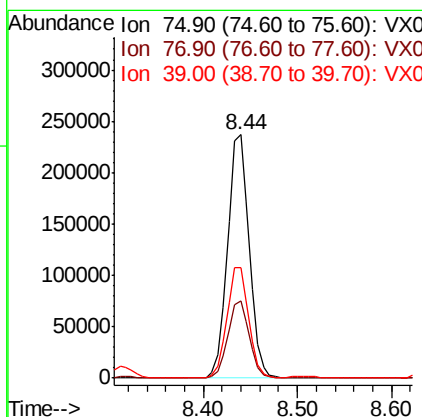
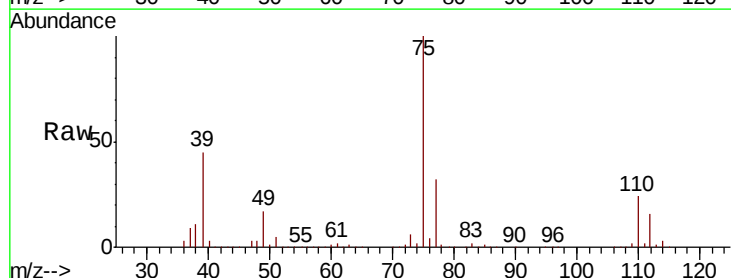
Manual Integrations
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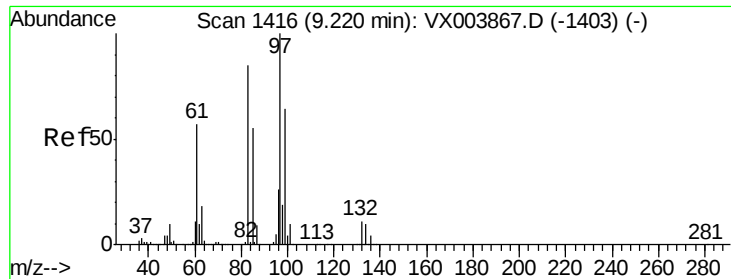
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 54.42 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX003872.D
Acq: 07 Aug 2018 10:24

Tgt Ion: 75 Resp: 375784
Ion Ratio Lower Upper
75 100
77 31.9 25.3 37.9
39 45.1 36.2 54.2





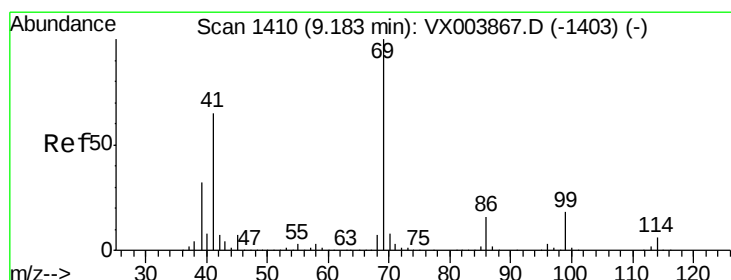
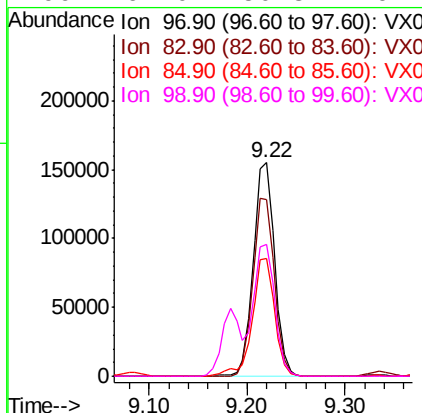
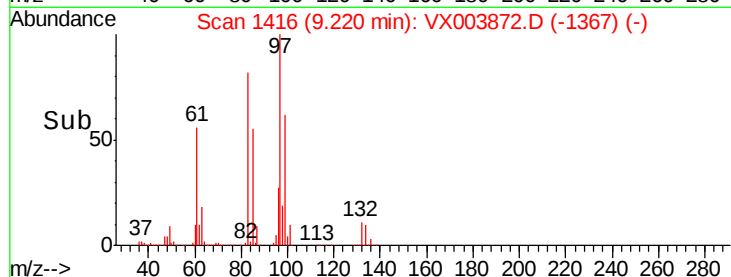
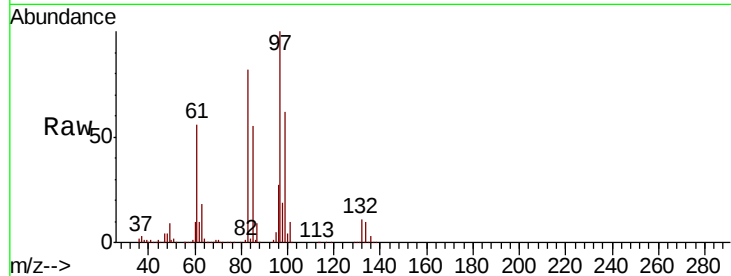
#55
 1,1,2-Trichloroethane
 Concen: 50.47 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003872.D
 Acq: 07 Aug 2018 10:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		233758		
83	82.5	67.8	101.6		
85	55.4	44.2	66.2		
99	62.0	50.8	76.2		

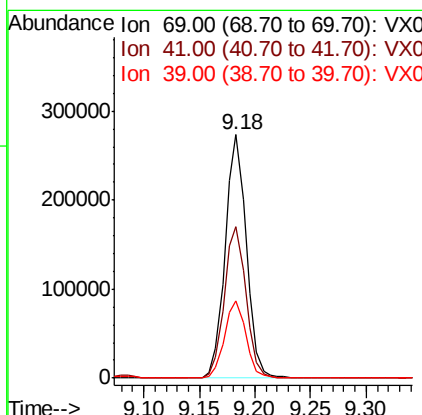
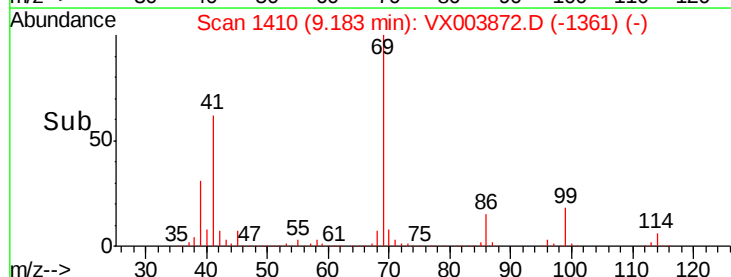
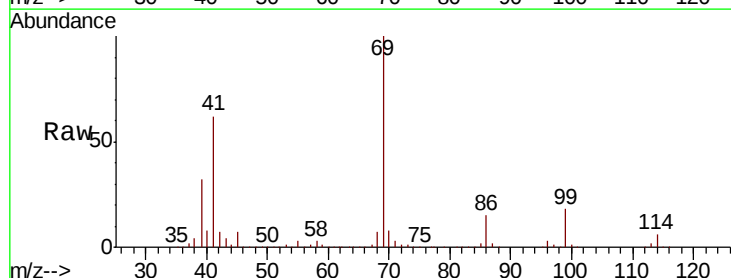
Manual Integrations
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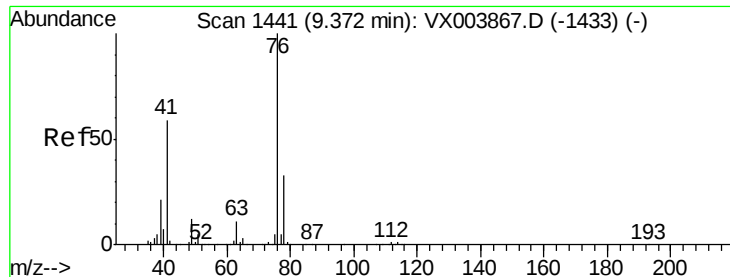
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#56
 Ethyl methacrylate
 Concen: 53.62 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003872.D
 Acq: 07 Aug 2018 10:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		360356		
41	63.8	50.6	76.0		
39	31.9	25.8	38.6		





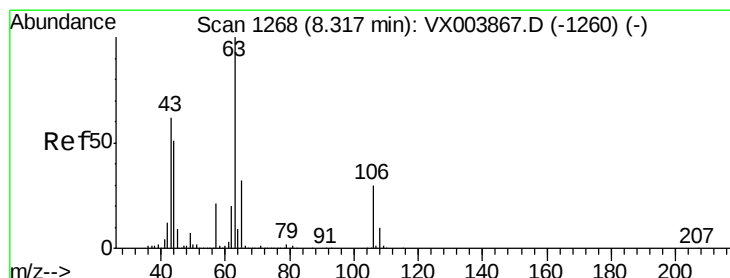
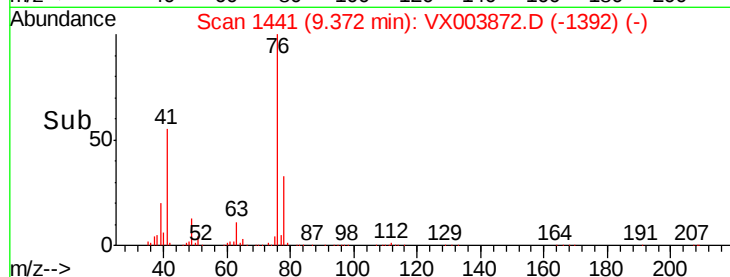
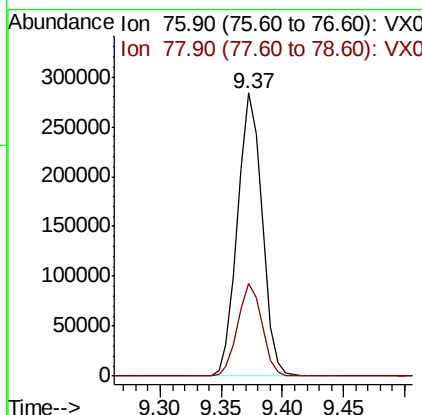
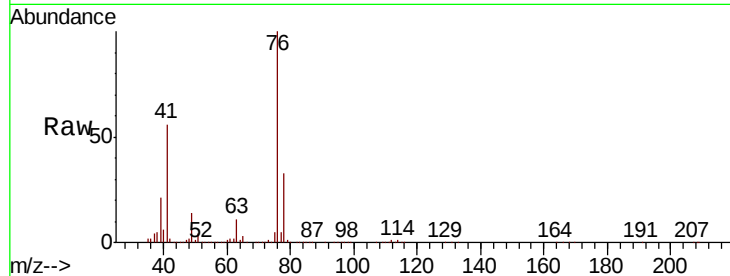
#57
 1,3-Dichloropropane
 Concen: 50.96 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VX003872.D
 Acq: 07 Aug 2018 10:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.9	38.9

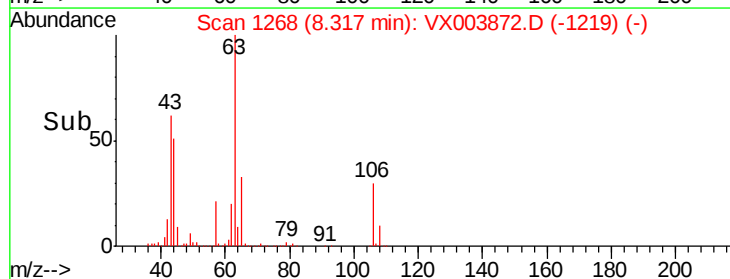
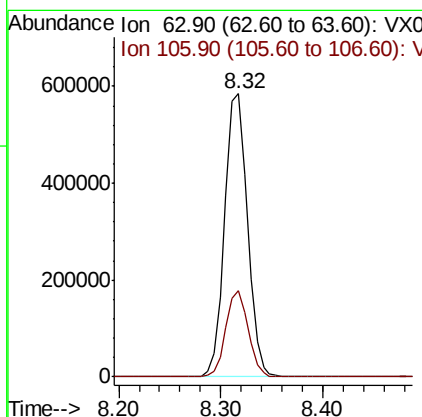
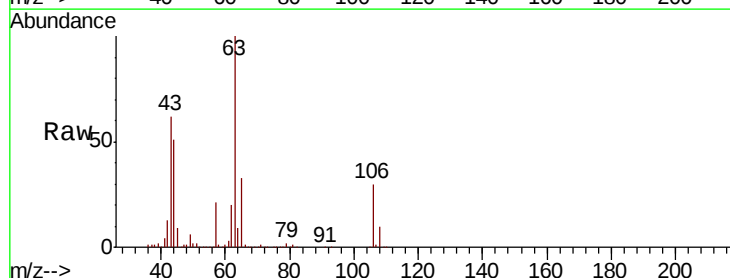
Manual Integrations
 APPROVED

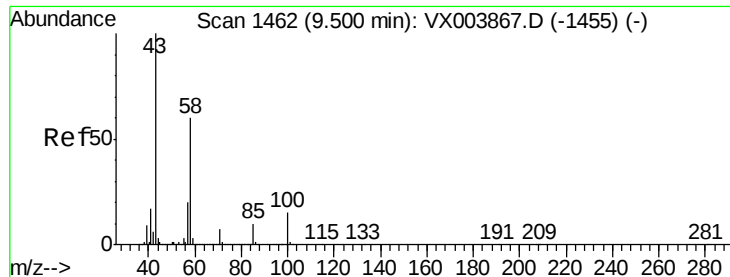
MMDadoda
 8/8/2018 12:00:54 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 274.54 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX003872.D
 Acq: 07 Aug 2018 10:24

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.8	23.8	35.8





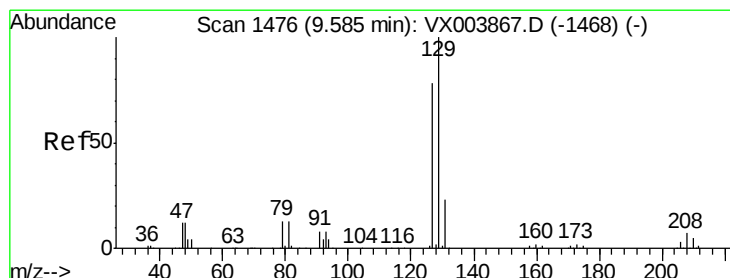
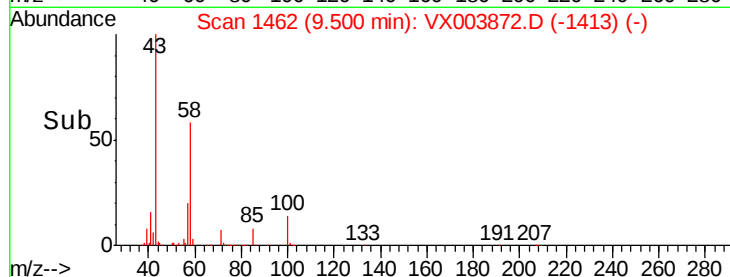
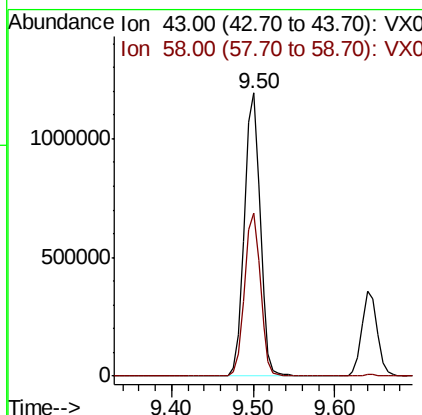
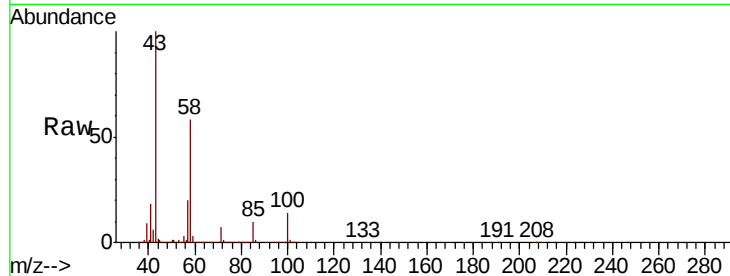
#59
2-Hexanone
Concen: 260.30 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003872.D
Acq: 07 Aug 2018 10:24

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 1594967
Ion Ratio Lower Upper
43 100
58 58.0 29.0 87.0

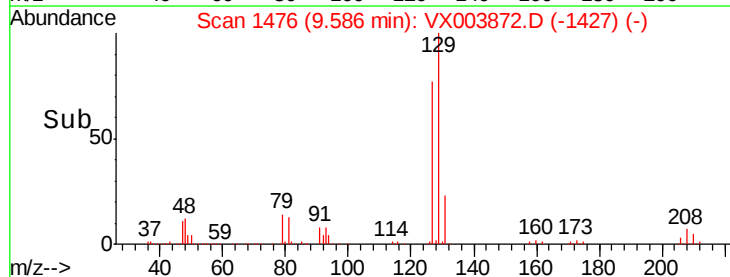
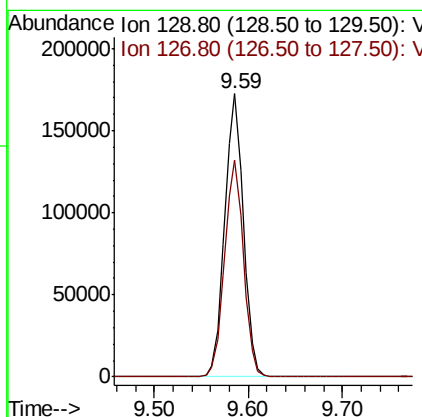
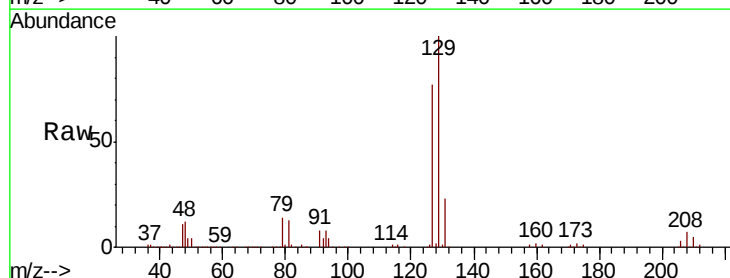
Manual Integrations
APPROVED

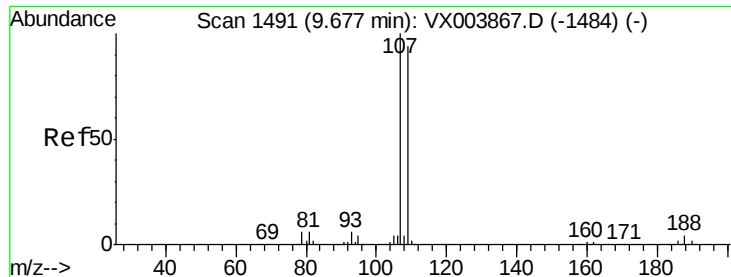
MMDadoda
8/8/2018 12:00:54 PM



#60
Dibromochloromethane
Concen: 54.98 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003872.D
Acq: 07 Aug 2018 10:24

Tgt Ion: 129 Resp: 237445
Ion Ratio Lower Upper
129 100
127 77.2 38.8 116.3





#61

1,2-Dibromoethane

Concen: 52.66 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003872.D

Acq: 07 Aug 2018 10:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 244187

Ion Ratio Lower Upper

107 100

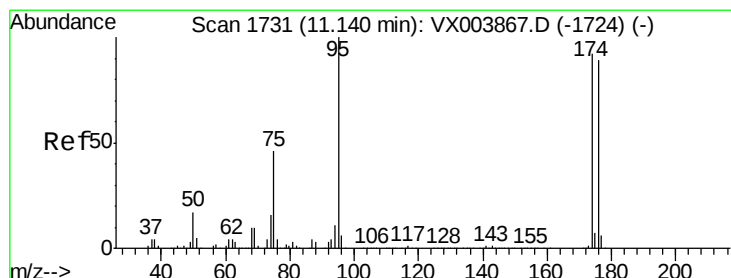
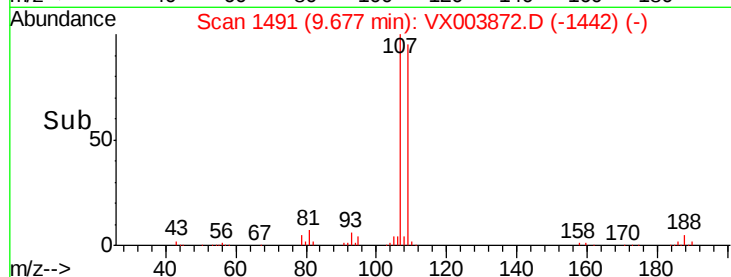
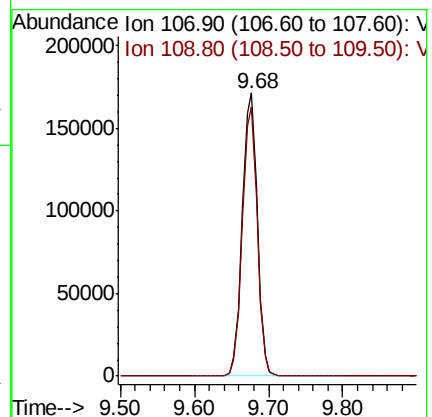
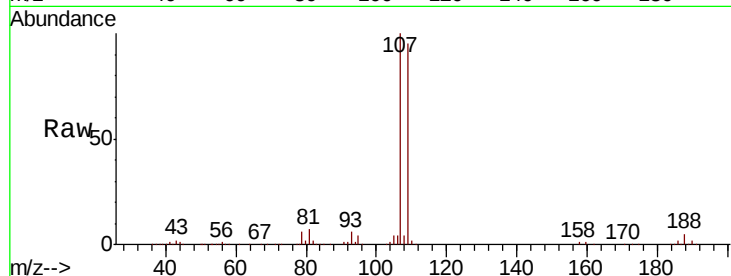
109 94.3 75.8 113.8

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 56.85 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003872.D

Acq: 07 Aug 2018 10:24

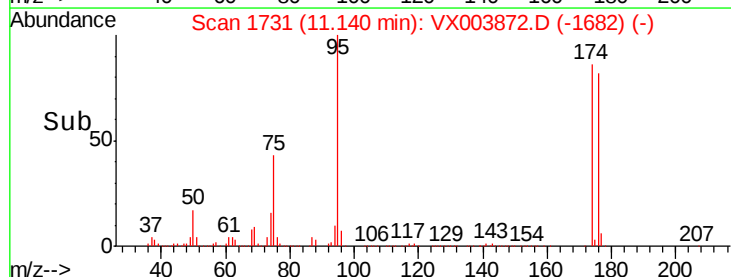
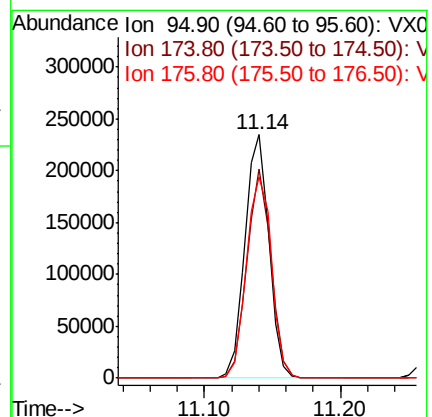
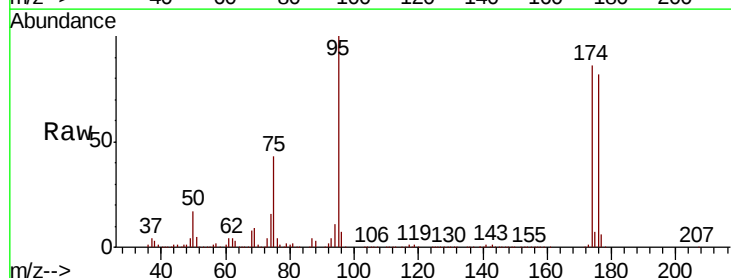
Tgt Ion: 95 Resp: 289066

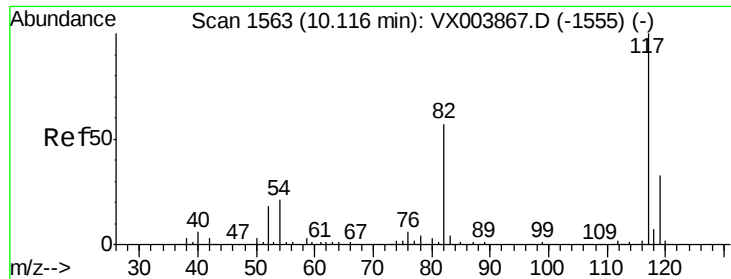
Ion Ratio Lower Upper

95 100

174 85.9 0.0 182.8

176 86.8 0.0 179.0





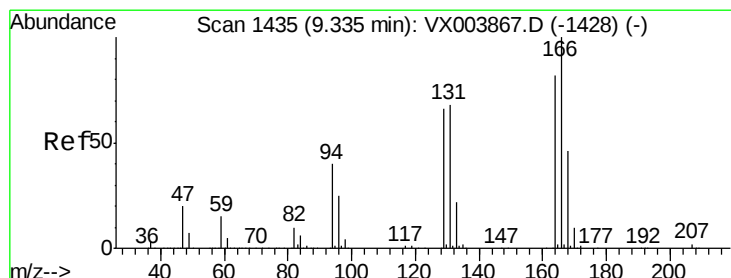
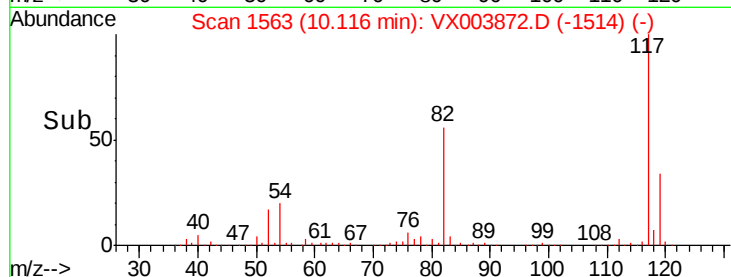
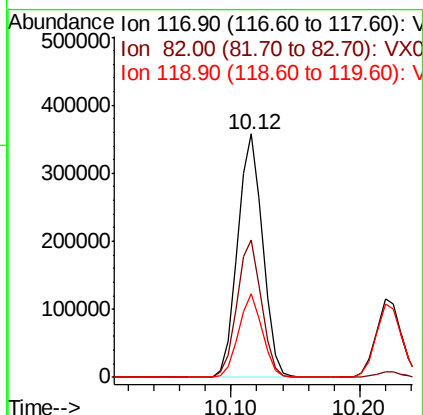
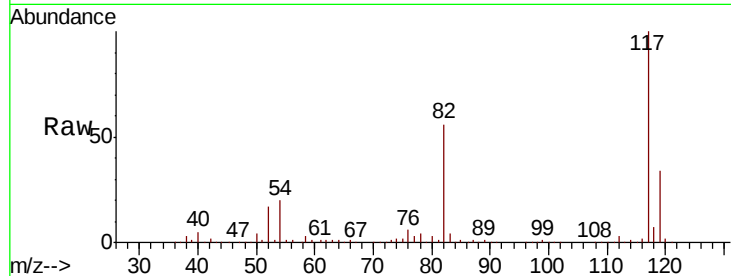
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003872.D
Acq: 07 Aug 2018 10:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.2	45.4	68.0
119	34.4	26.6	40.0

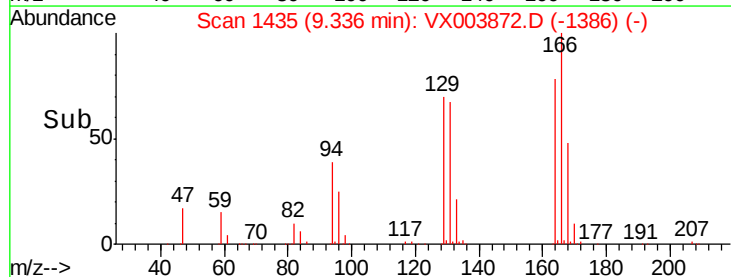
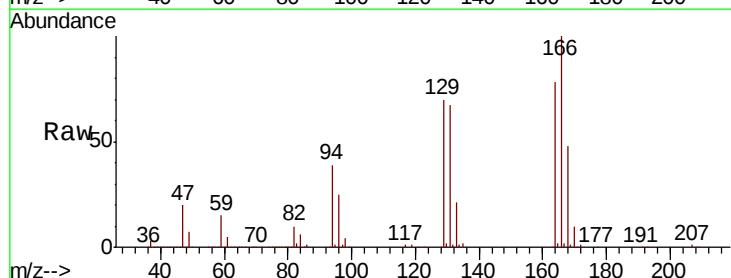
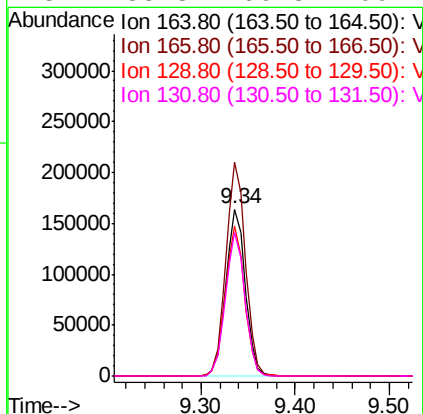
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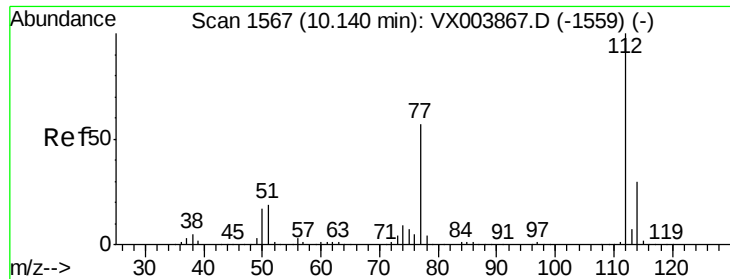
MMDadoda
8/8/2018 12:00:54 PM



#64
Tetrachloroethene
Concen: 49.62 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003872.D
Acq: 07 Aug 2018 10:24

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	98.0	147.0
129	89.5	64.3	96.5
131	85.8	66.8	100.2





#65

Chlorobenzene

Concen: 50.54 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX003872.D

Acq: 07 Aug 2018 10:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 633563

Ion Ratio Lower Upper

112 100

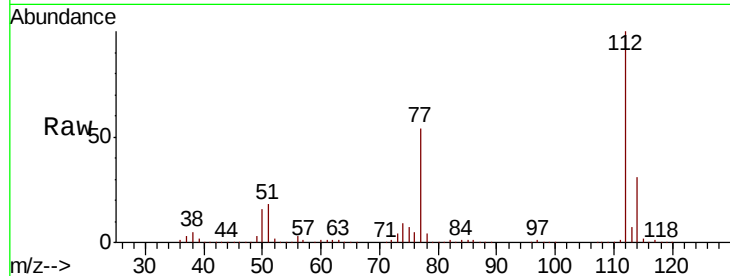
114 31.4 23.6 35.4

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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

500000

400000

300000

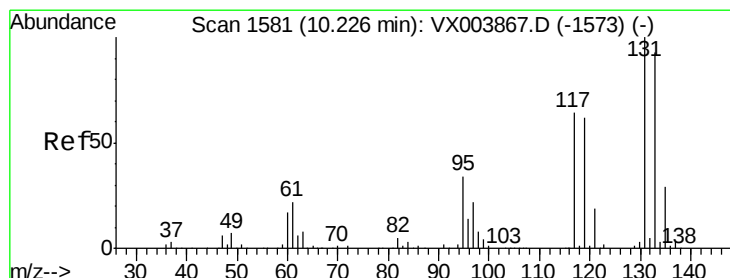
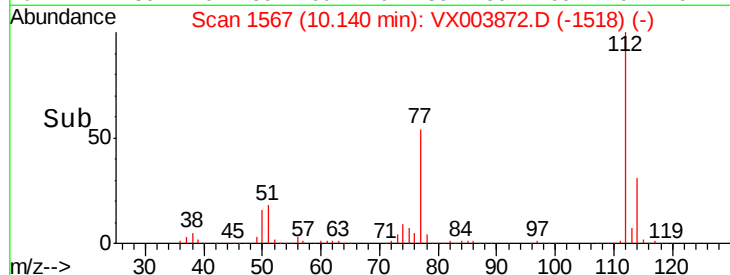
200000

100000

0

Time-->

10.10 10.20 10.30



#66

1,1,1,2-Tetrachloroethane

Concen: 52.93 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX003872.D

Acq: 07 Aug 2018 10:24

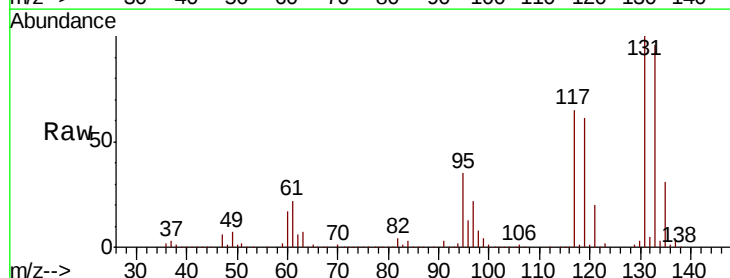
Tgt Ion:131 Resp: 228125

Ion Ratio Lower Upper

131 100

133 96.6 47.3 141.8

119 64.6 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

200000

150000

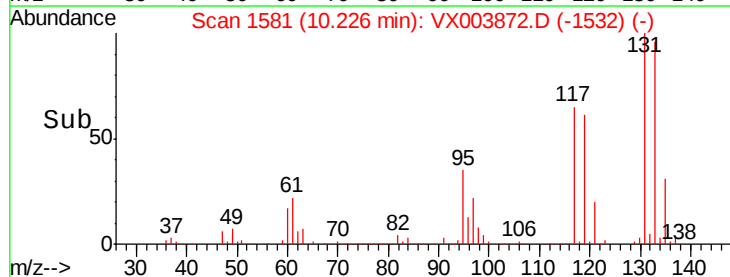
100000

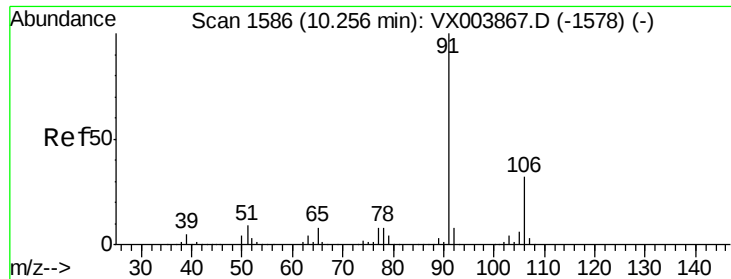
50000

0

Time-->

10.20 10.30





#67

Ethyl Benzene

Concen: 53.83 ug/l

RT: 10.25 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VX003872.D

Acq: 07 Aug 2018 10:24

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 1104724

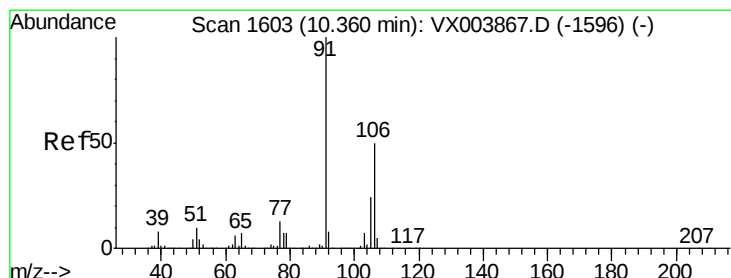
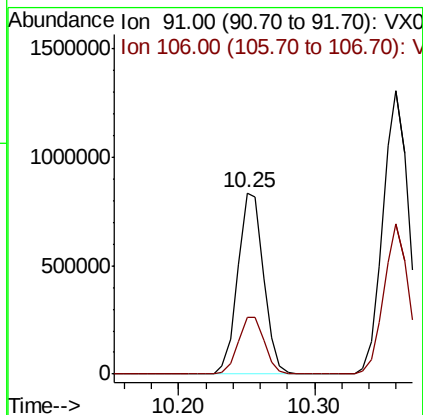
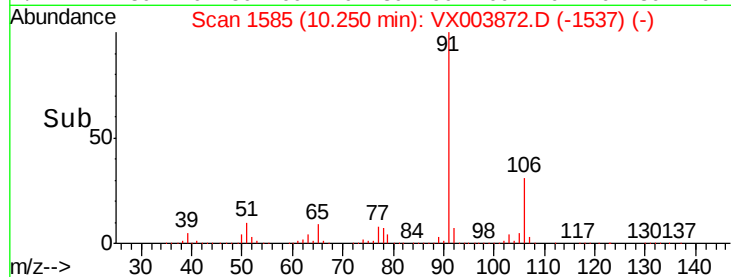
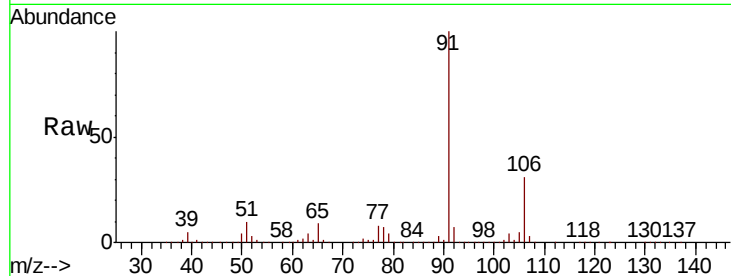
Ion Ratio Lower Upper

91 100

106 31.4 25.9 38.9

Manual Integrations
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#68

m/p-Xylenes

Concen: 109.47 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX003872.D

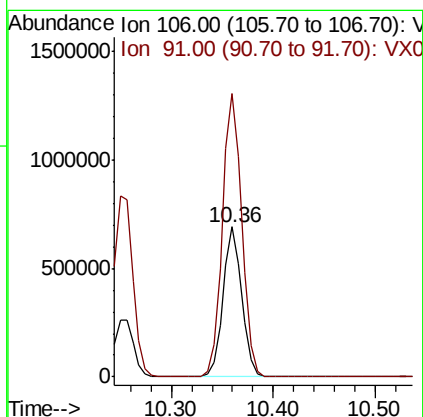
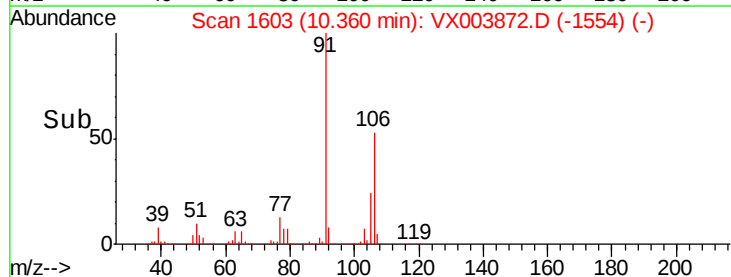
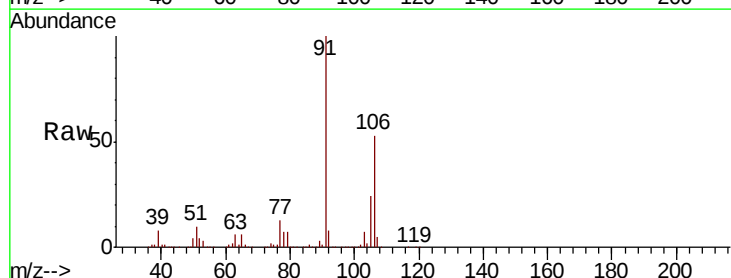
Acq: 07 Aug 2018 10:24

Tgt Ion: 106 Resp: 877823

Ion Ratio Lower Upper

106 100

91 196.1 162.3 243.5





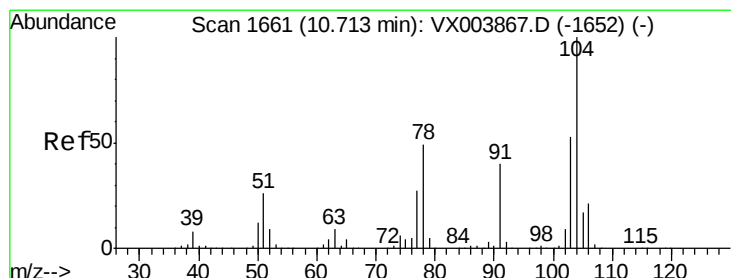
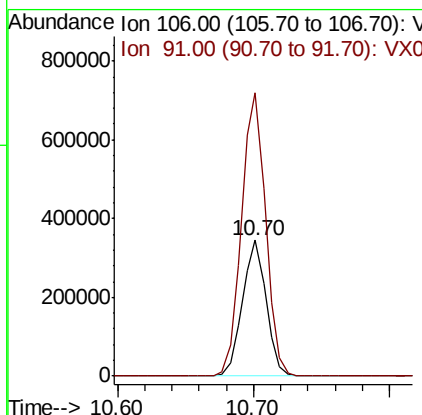
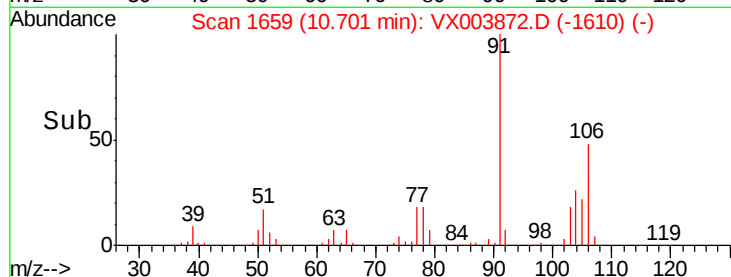
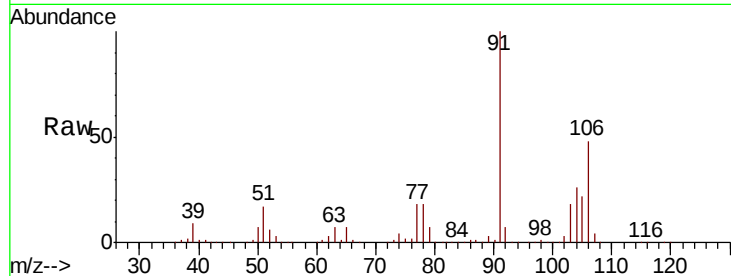
#69
o-Xylene
Concen: 55.37 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003872.D
Acq: 07 Aug 2018 10:24

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 419115
Ion Ratio Lower Upper
106 100
91 211.5 101.9 305.7

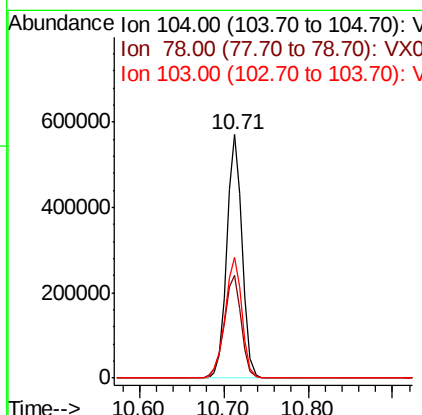
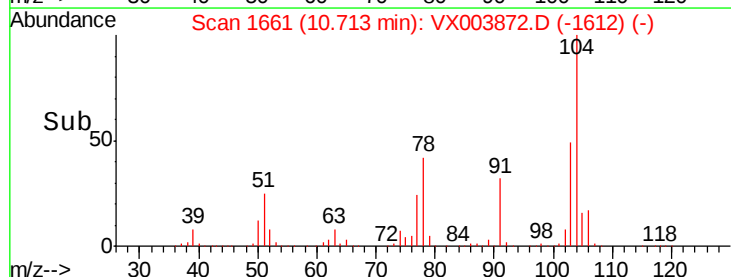
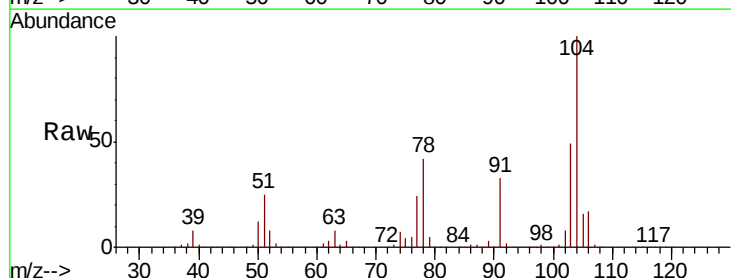
Manual Integrations
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8/8/2018 12:00:54 PM



#70
Styrene
Concen: 57.75 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003872.D
Acq: 07 Aug 2018 10:24

Tgt Ion:104 Resp: 715672
Ion Ratio Lower Upper
104 100
78 47.4 39.8 59.6
103 54.4 44.3 66.5





#71

Bromoform

Concen: 49.62 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003872.D

Acq: 07 Aug 2018 10:24

Instrument :

MSVOA_X

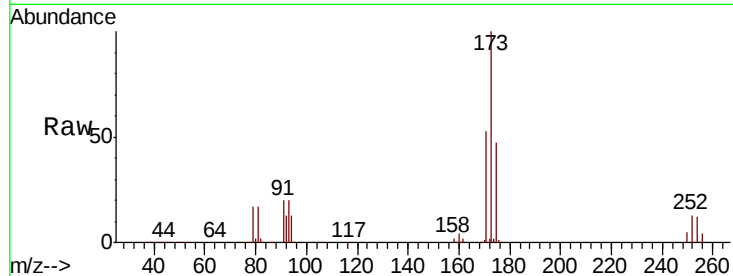
ClientSampleId :

VSTDCCC050

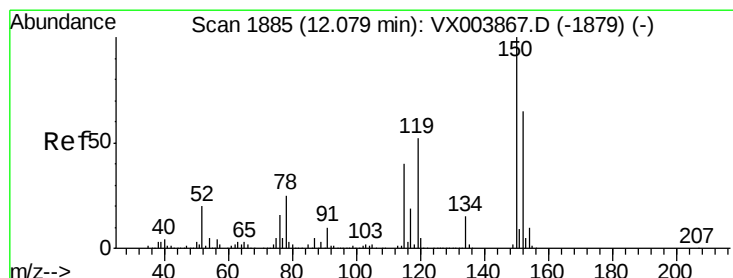
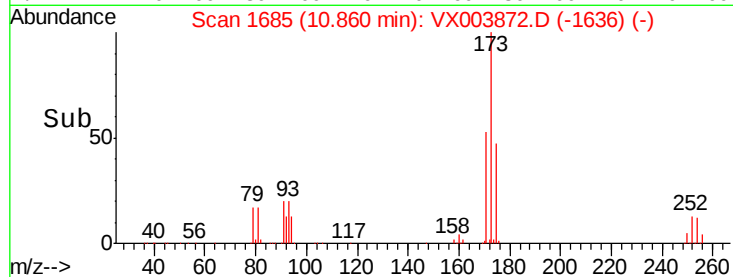
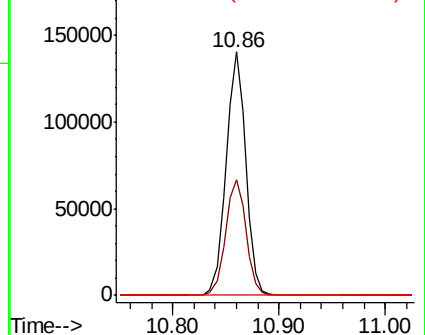
Tot Ion:	173	Resp:	181257
Ion Ratio	Lower	Upper	
173	100		
175	49.2	24.9	74.7
254	0.2	0.2	0.2

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

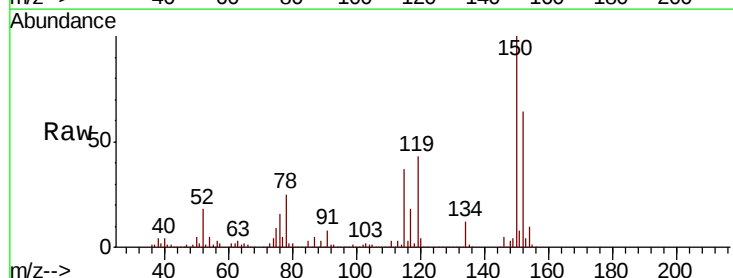
RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

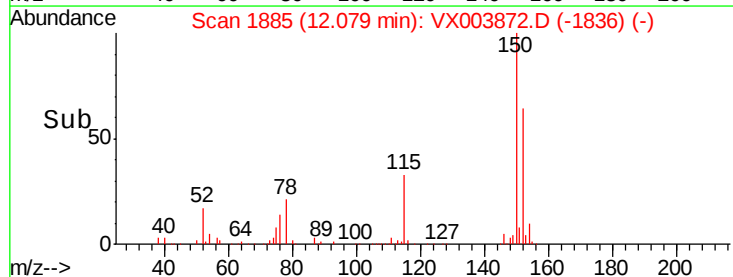
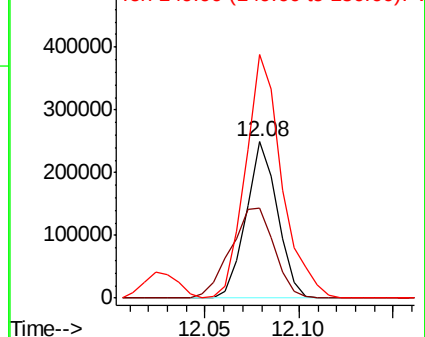
Lab File: VX003872.D

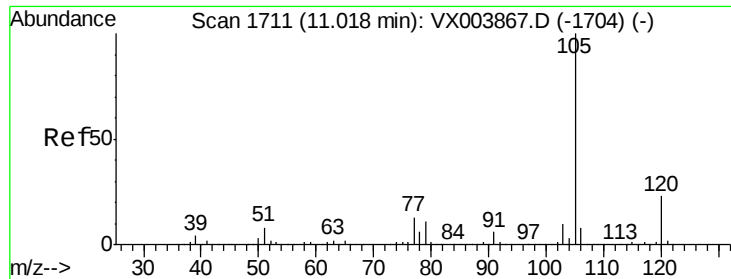
Acq: 07 Aug 2018 10:24

Tgt Ion:	152	Resp:	287356
Ion Ratio	Lower	Upper	
152	100		
115	79.6	39.1	117.3
150	180.1	0.0	349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.73 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX003872.D

Acq: 07 Aug 2018 10:24

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 1120850

Ion Ratio Lower Upper

105 100

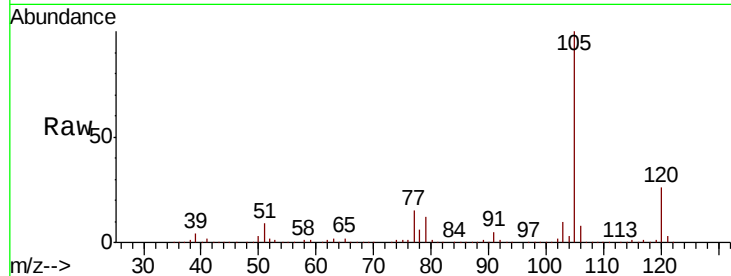
120 27.3 12.6 37.8

Manual Integrations

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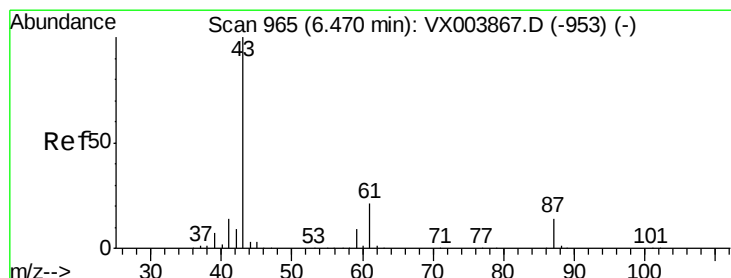
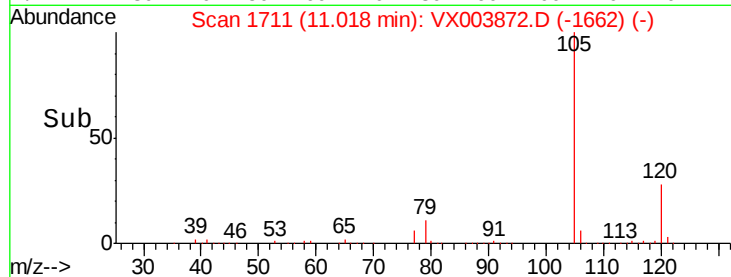
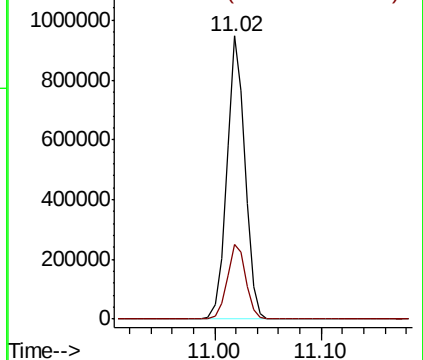
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 45.28 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX003872.D

Acq: 07 Aug 2018 10:24

Tgt Ion: 43 Resp: 500581

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.1 0.1#

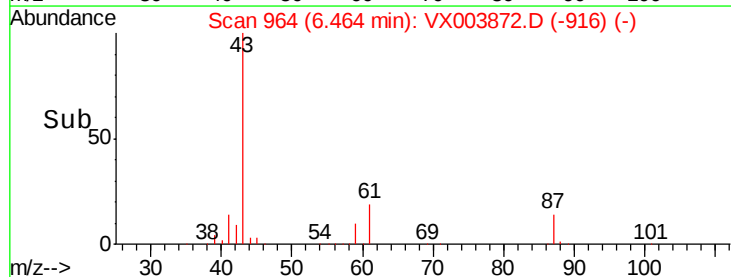
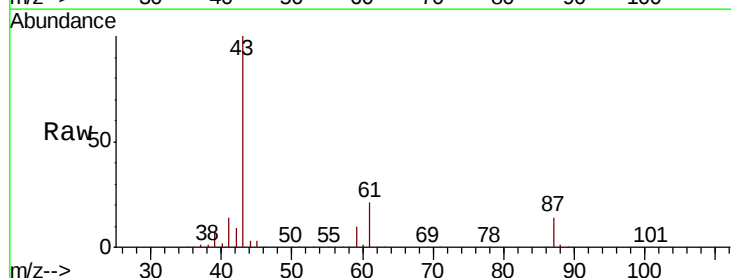
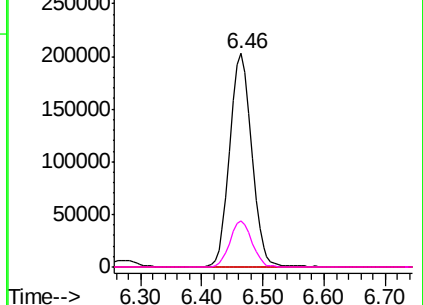
61 21.4 16.9 25.3

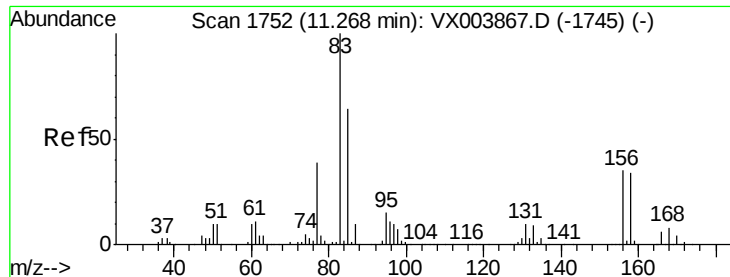
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 46.49 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX003872.D

Acq: 07 Aug 2018 10:24

Instrument :

MSVOA_X

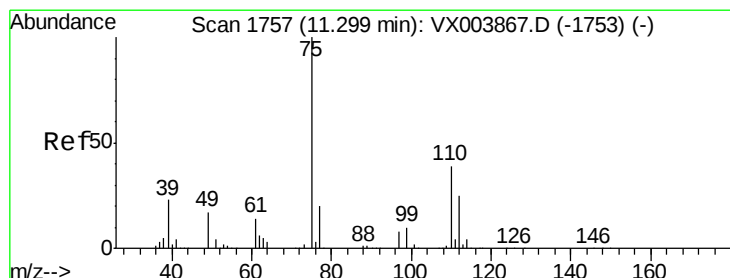
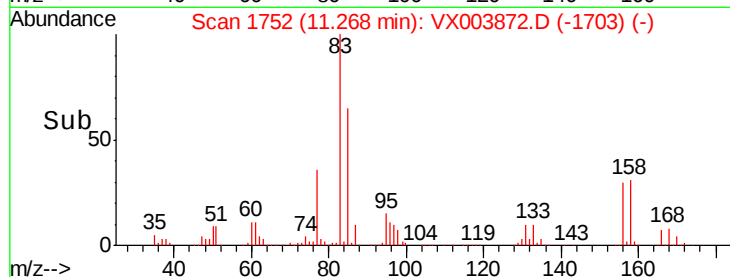
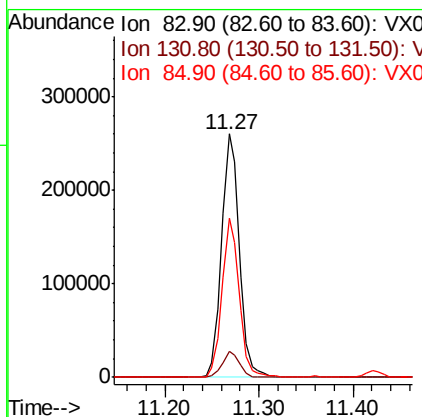
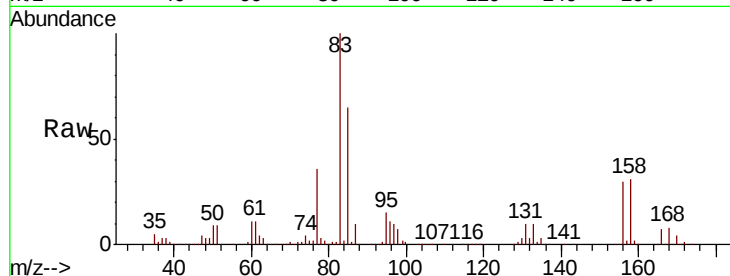
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	338731
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.2	15.6
85	63.7	32.2	96.6

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#76

1,2,3-Trichloropropane

Concen: 49.57 ug/l m

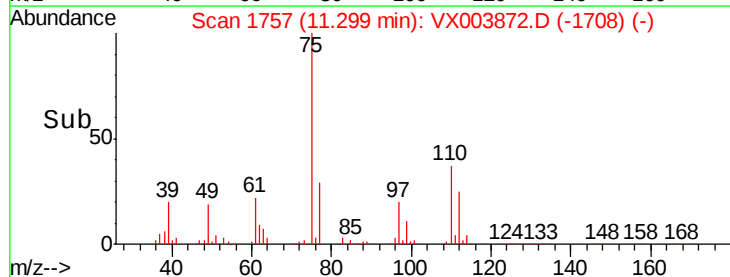
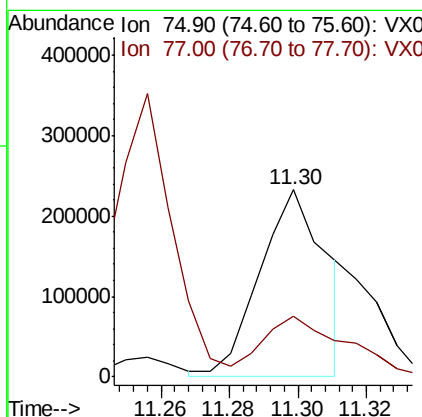
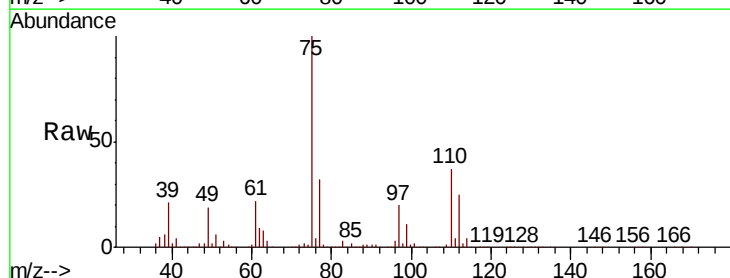
RT: 11.30 min Scan# 1757

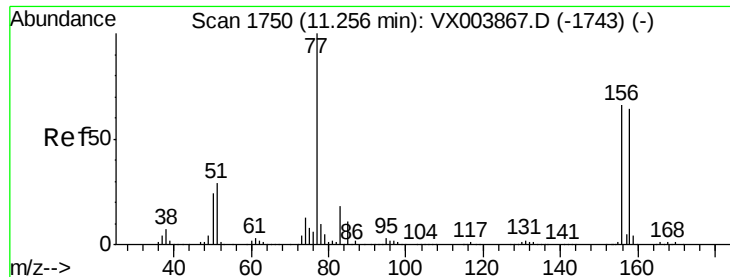
Delta R.T. 0.00 min

Lab File: VX003872.D

Acq: 07 Aug 2018 10:24

Tgt Ion:	75	Resp:	314648
Ion Ratio	Lower	Upper	
75	100		
77	40.9	20.8	62.5





#77

Bromobenzene

Concen: 48.62 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003872.D

Acq: 07 Aug 2018 10:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 275703

Ion Ratio Lower Upper

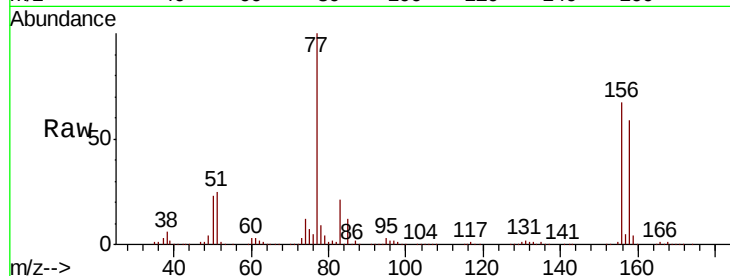
156 100

77 151.6 74.1 222.2

158 100.1 48.6 145.9

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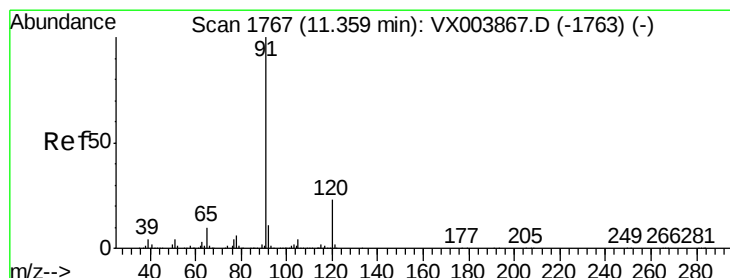
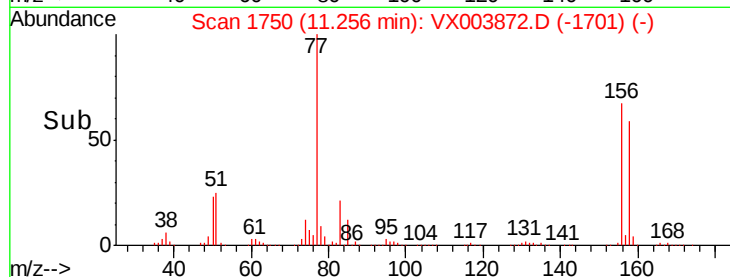
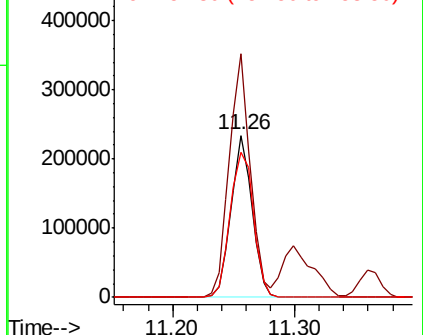
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.67 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX003872.D

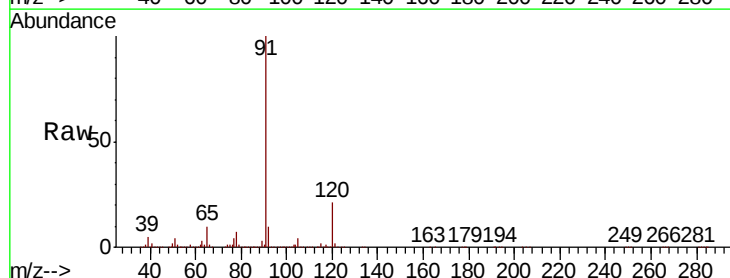
Acq: 07 Aug 2018 10:24

Tgt Ion: 91 Resp: 1257248

Ion Ratio Lower Upper

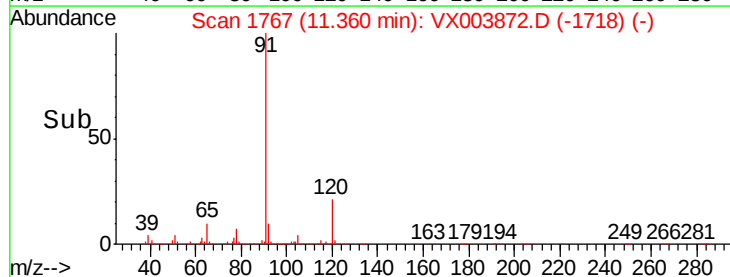
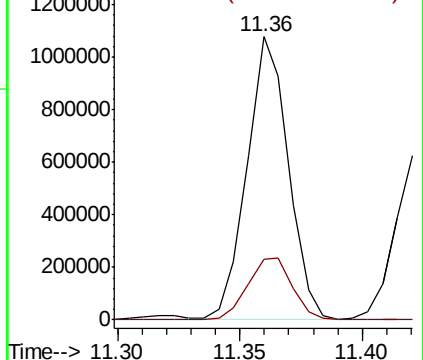
91 100

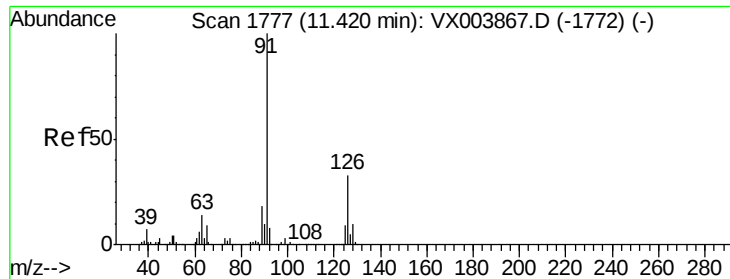
120 23.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.50 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. 0.00 min

Lab File: VX003872.D

Acq: 07 Aug 2018 10:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 735018

Ion Ratio Lower Upper

91 100

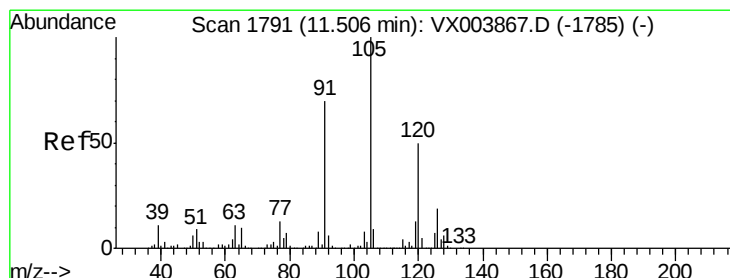
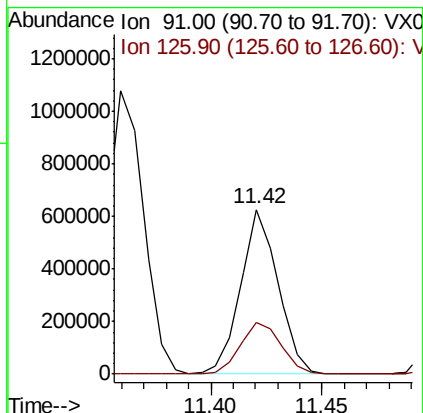
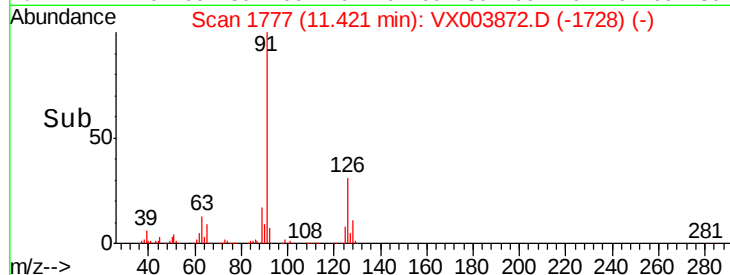
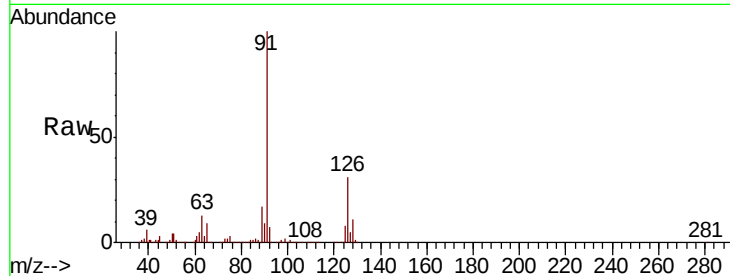
126 34.5 17.4 52.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 53.51 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX003872.D

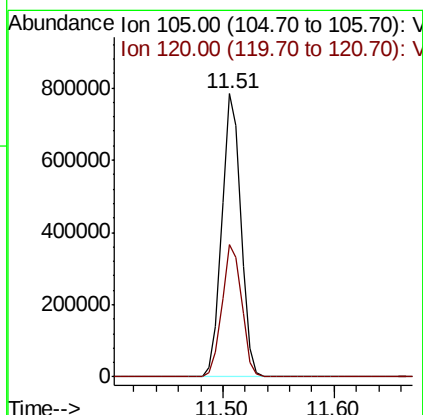
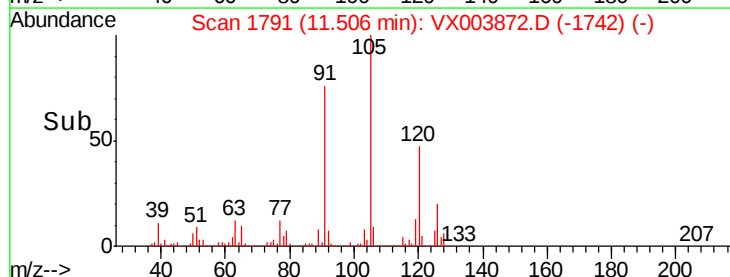
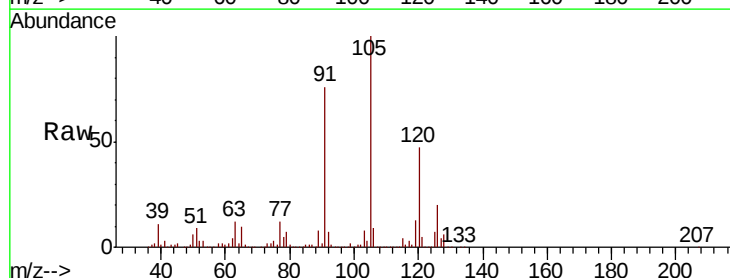
Acq: 07 Aug 2018 10:24

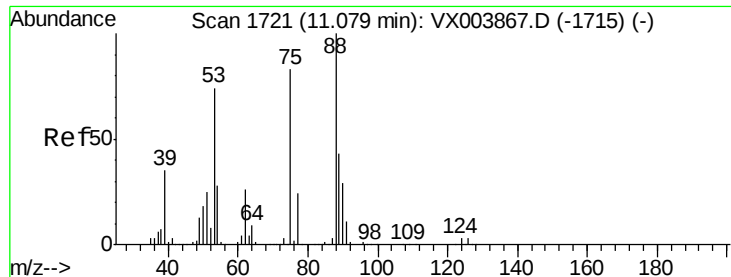
Tgt Ion: 105 Resp: 927473

Ion Ratio Lower Upper

105 100

120 48.2 25.4 76.2





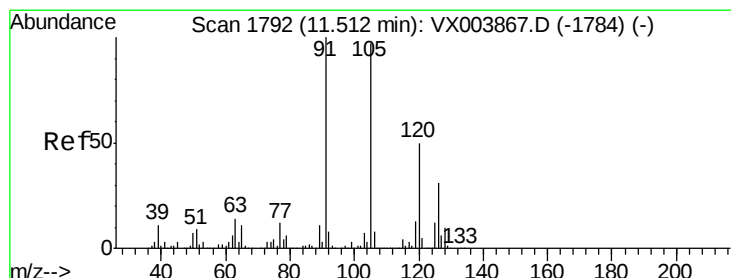
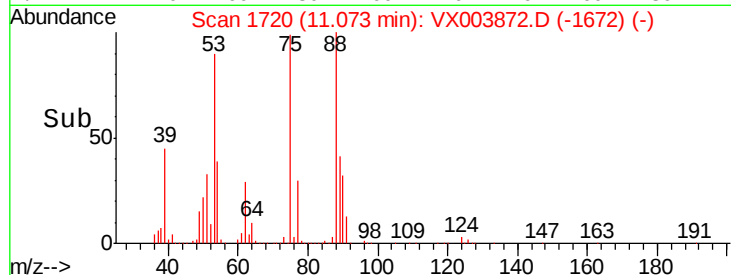
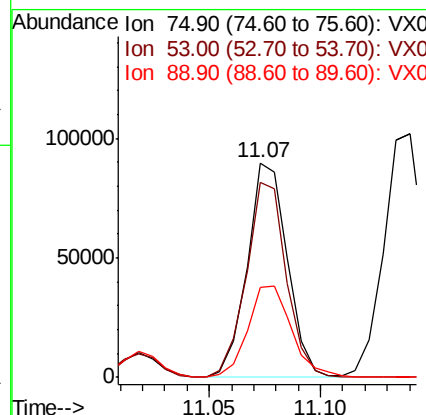
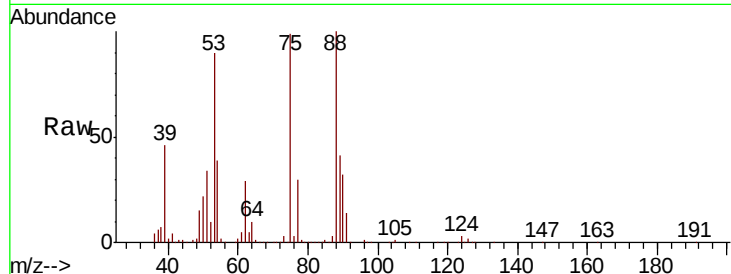
#81
trans-1,4-Dichloro-2-butene
Concen: 48.12 ug/l
RT: 11.07 min Scan# 1720
Delta R.T. -0.01 min
Lab File: VX003872.D
Acq: 07 Aug 2018 10:24

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.2	80.3	120.5
89	46.9	37.8	56.8

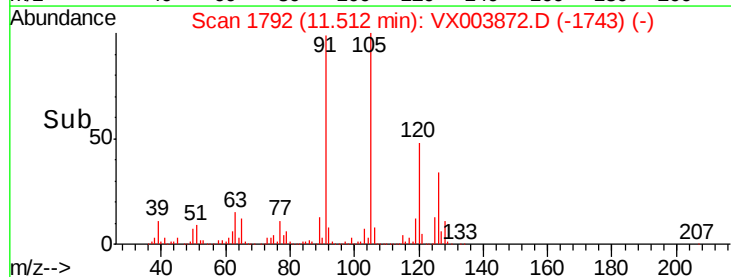
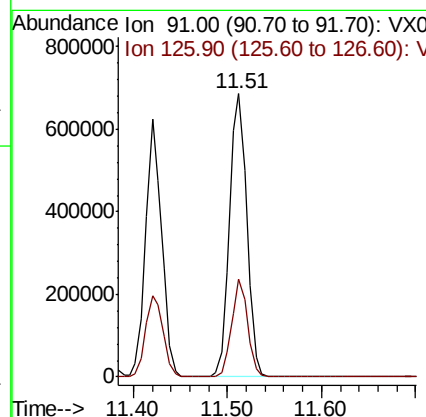
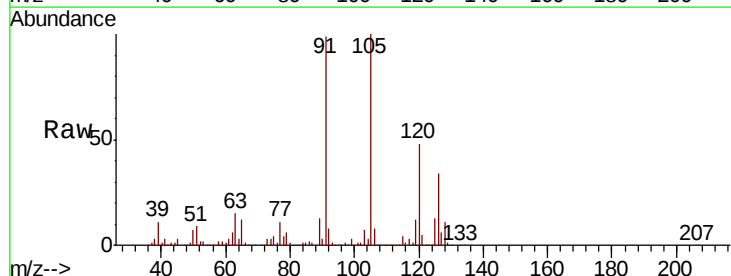
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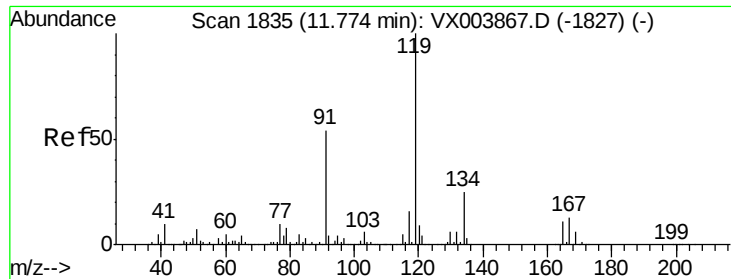
MMDadoda
8/8/2018 12:00:54 PM



#82
4-Chlorotoluene
Concen: 51.33 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003872.D
Acq: 07 Aug 2018 10:24

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.6	46.7





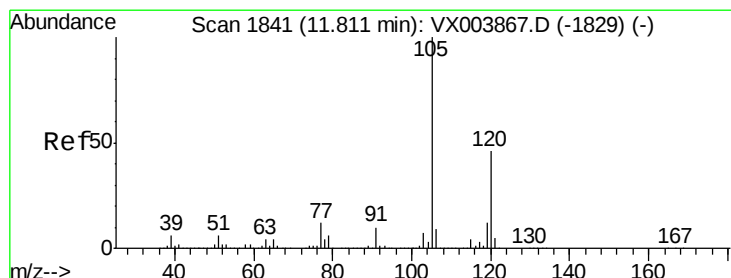
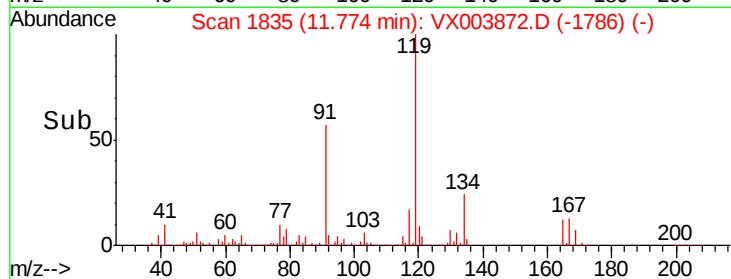
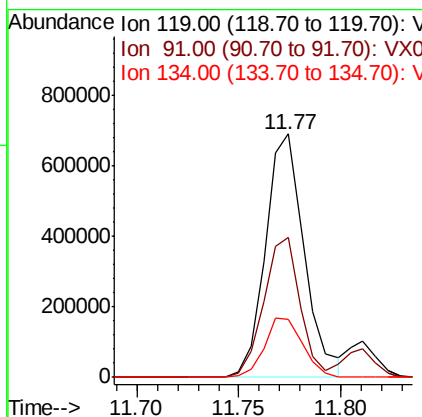
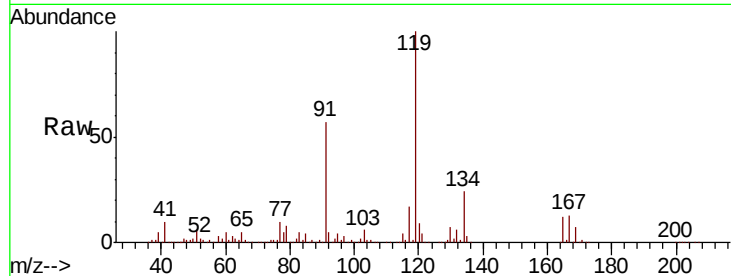
#83
 tert-Butylbenzene
 Concen: 53.53 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003872.D
 Acq: 07 Aug 2018 10:24

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	912770		
91	53.9	26.9	80.7	
134	24.2	12.0	36.0	

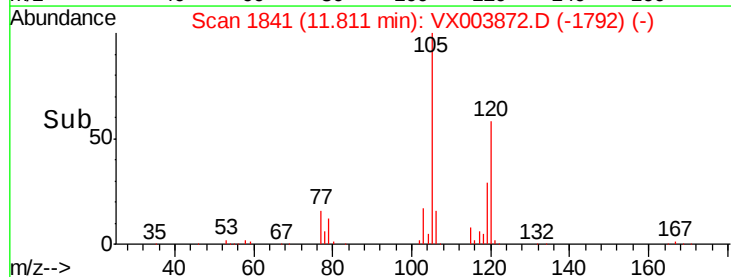
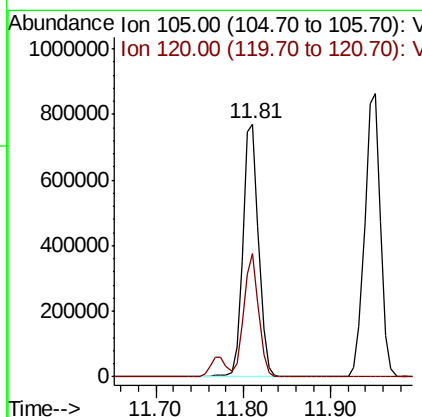
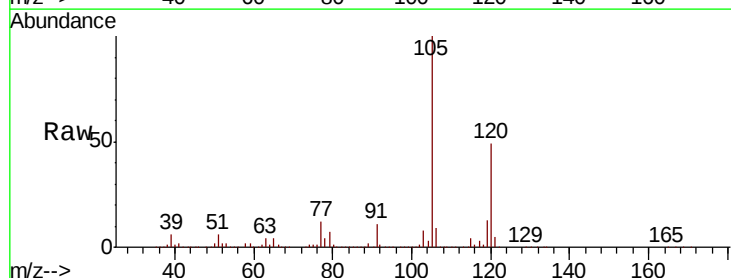
Manual Integrations
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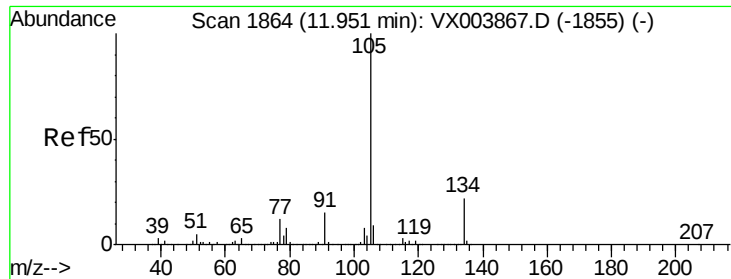
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#84
 1,2,4-Trimethylbenzene
 Concen: 55.37 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003872.D
 Acq: 07 Aug 2018 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	965023		
120	45.7	23.1	69.2	





#85

sec-Butylbenzene

Concen: 54.14 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003872.D

Acq: 07 Aug 2018 10:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1089429

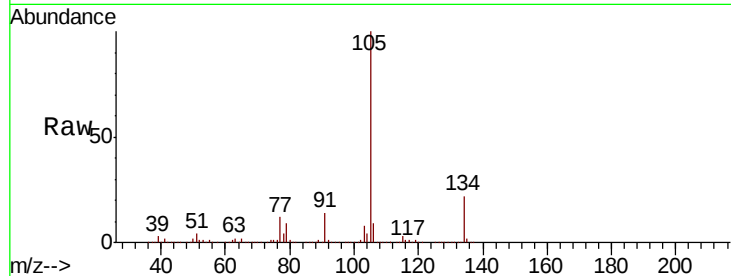
Ion Ratio Lower Upper

105 100

134 21.7 10.3 30.9

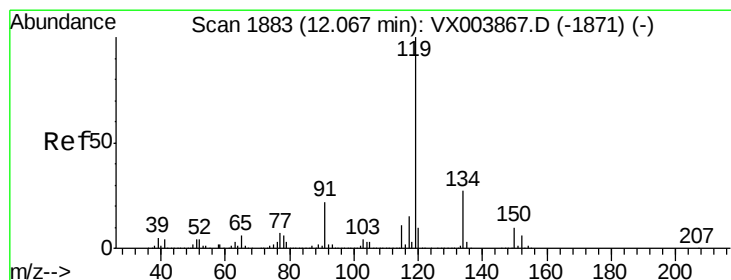
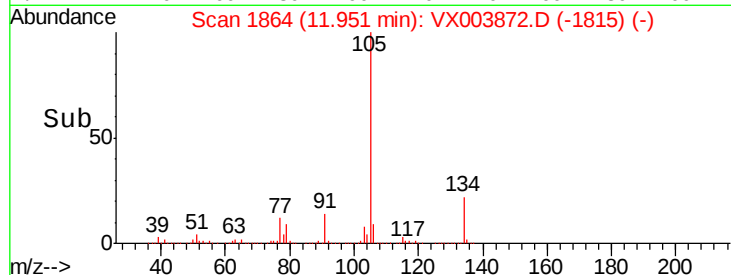
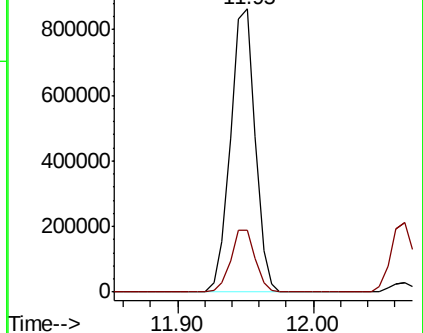
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.58 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003872.D

Acq: 07 Aug 2018 10:24

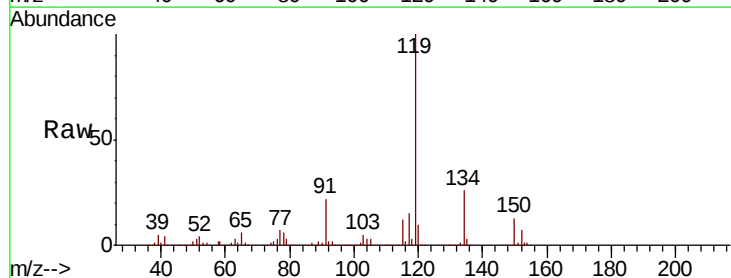
Tgt Ion:119 Resp: 967557

Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.8

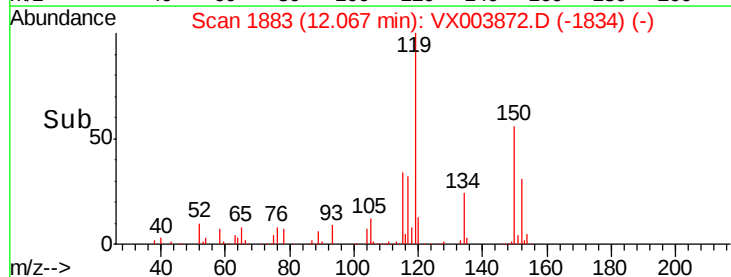
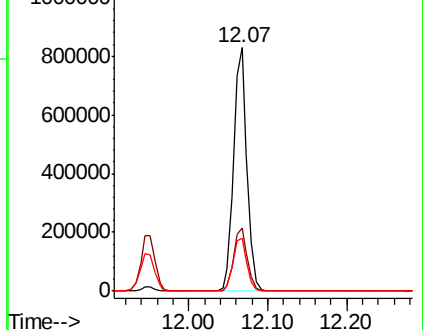
91 22.6 10.9 32.7

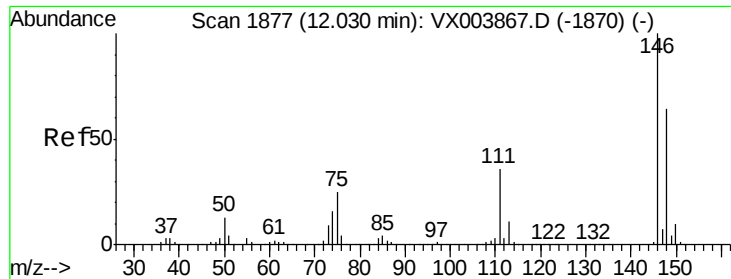


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





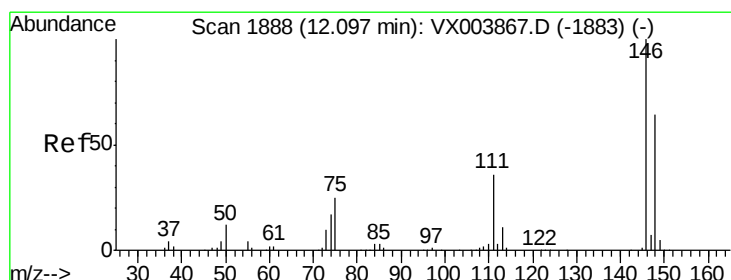
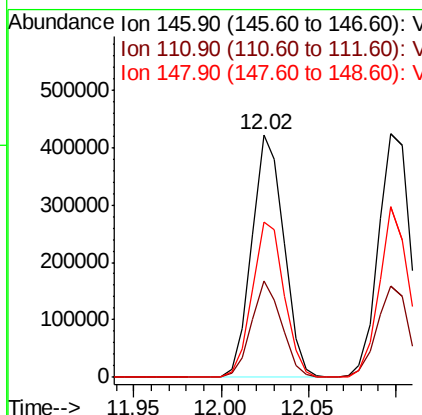
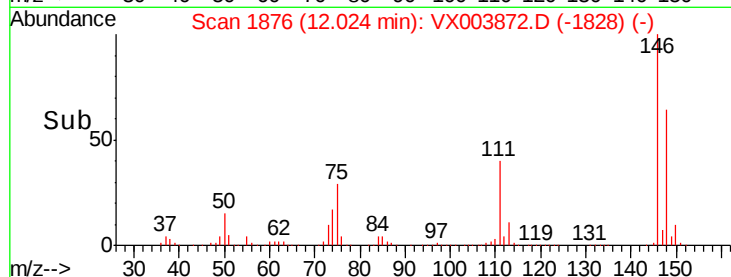
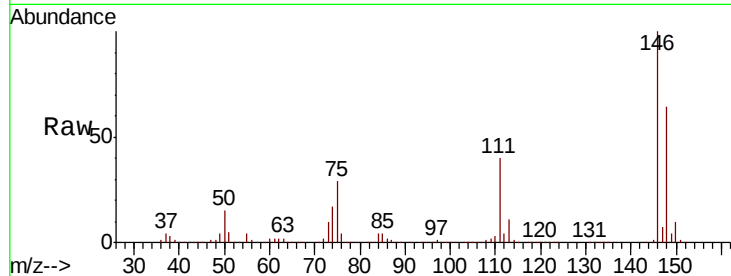
#87
 1,3-Dichlorobenzene
 Concen: 51.09 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.01 min
 Lab File: VX003872.D
 Acq: 07 Aug 2018 10:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.8	56.4
148	64.4	31.9	95.5

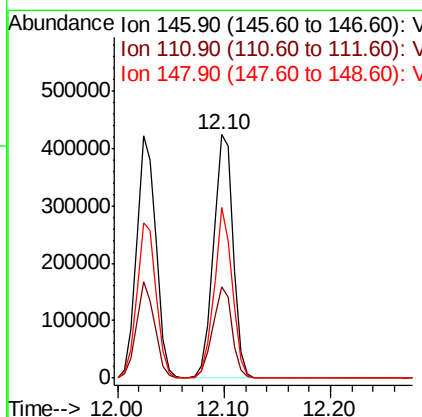
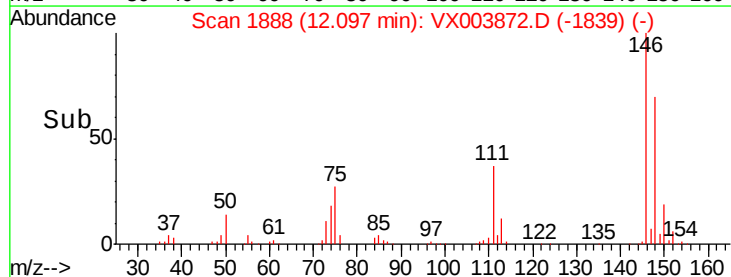
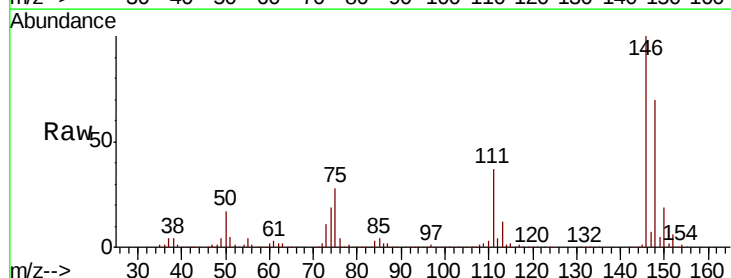
Manual Integrations
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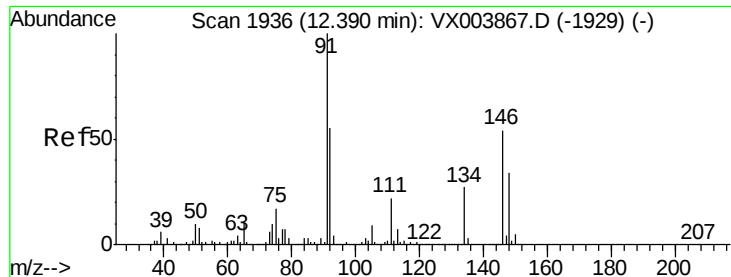
MMDadoda
 8/8/2018 12:00:54 PM



#88
 1,4-Dichlorobenzene
 Concen: 53.22 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: VX003872.D
 Acq: 07 Aug 2018 10:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.4	55.0
148	64.4	32.3	96.8





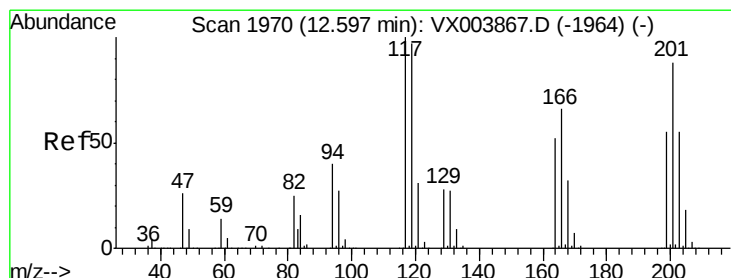
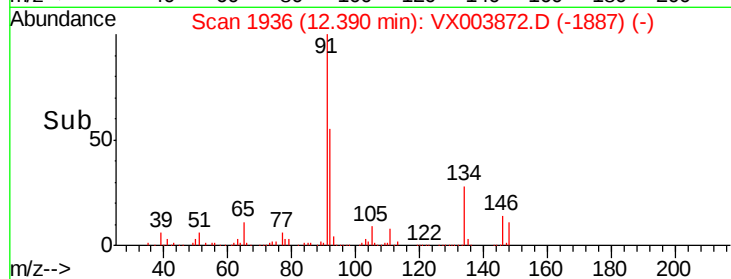
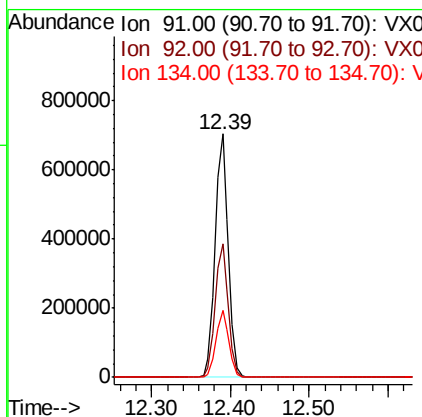
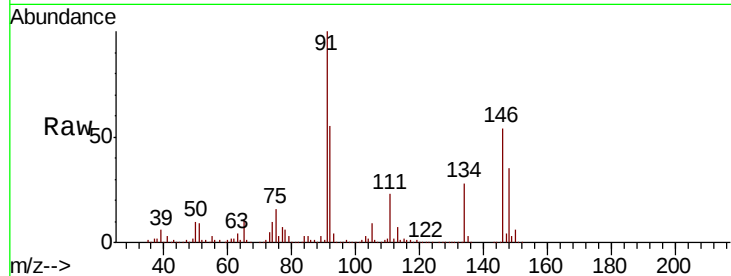
#89
n-Butylbenzene
Concen: 51.55 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003872.D
Acq: 07 Aug 2018 10:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.1	81.3
134	27.1	13.6	40.7

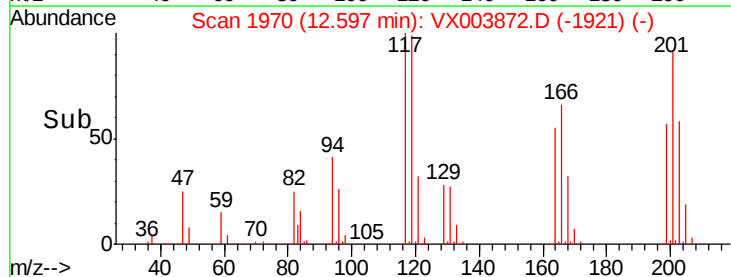
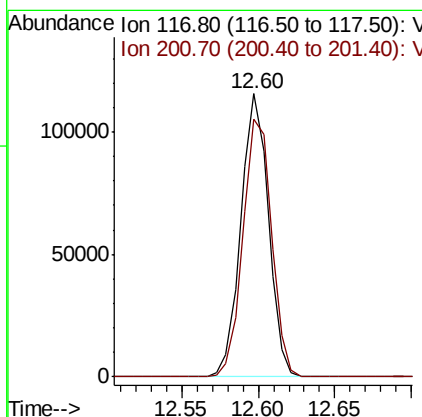
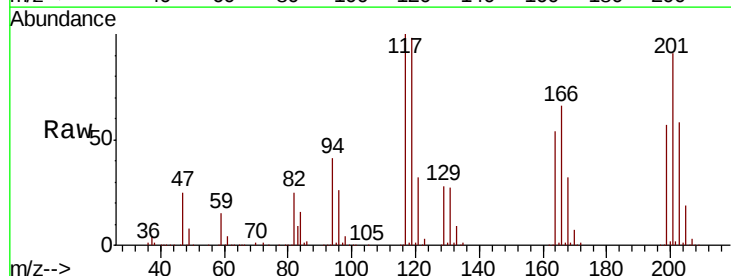
Manual Integrations
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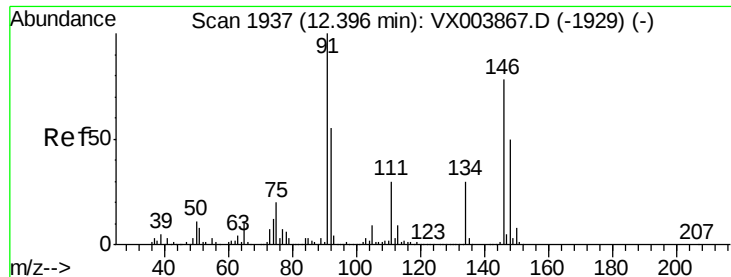
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#90
Hexachloroethane
Concen: 49.28 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003872.D
Acq: 07 Aug 2018 10:24

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.8	46.1	138.2





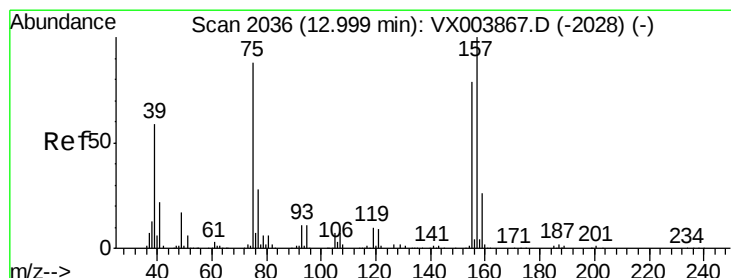
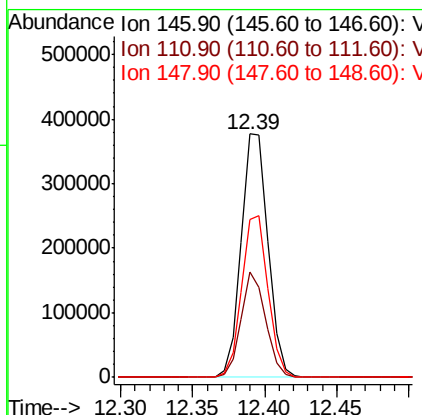
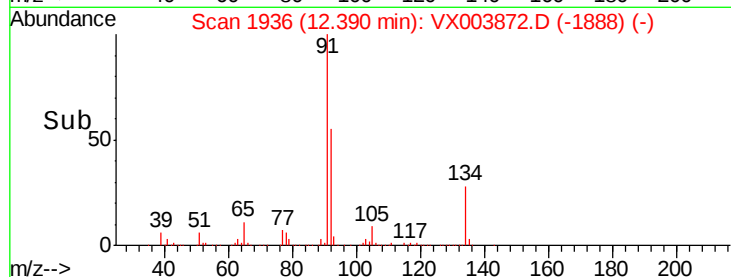
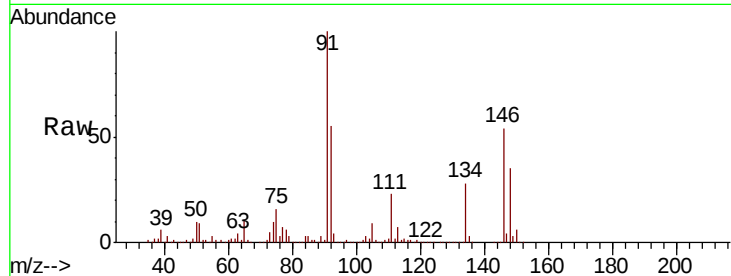
#91
 1,2-Dichlorobenzene
 Concen: 46.95 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. -0.01 min
 Lab File: VX003872.D
 Acq: 07 Aug 2018 10:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.7	59.0
148	64.8	31.9	95.5

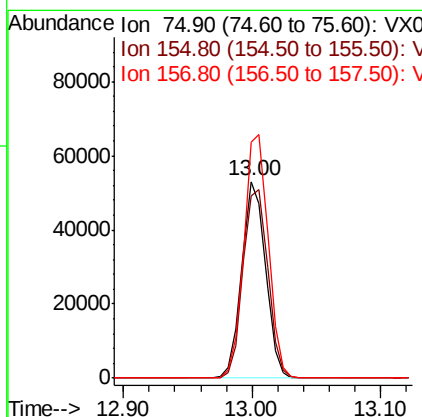
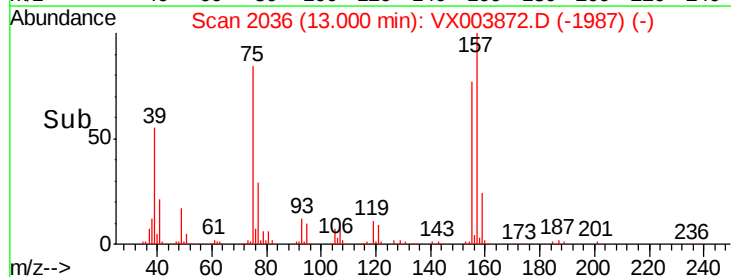
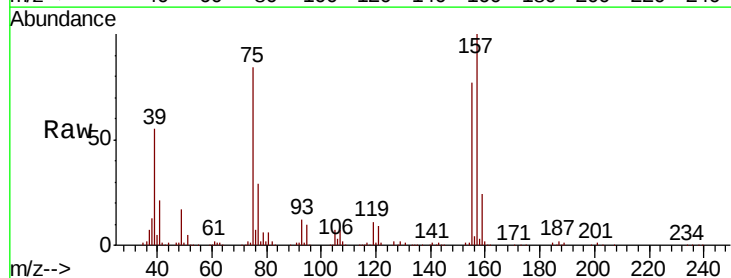
Manual Integrations
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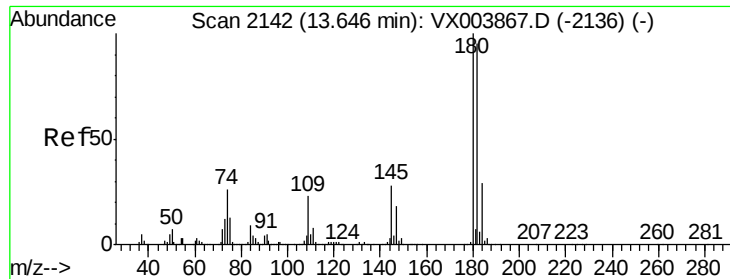
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.32 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VX003872.D
 Acq: 07 Aug 2018 10:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.0	48.7	146.1
157	126.0	62.6	187.8





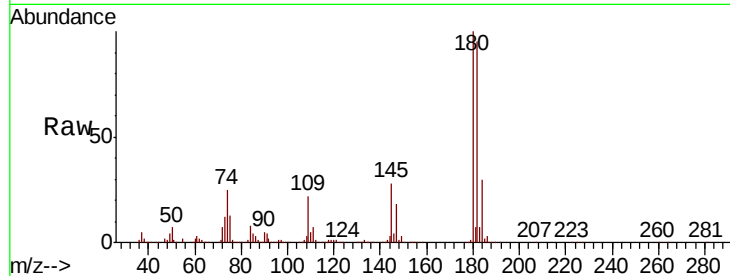
#93
 1,2,4-Trichlorobenzene
 Concen: 48.57 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX003872.D
 Acq: 07 Aug 2018 10:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.4	47.7	143.1	
145	27.8	13.9	41.6	

Manual Integrations
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MMDadoda
 8/8/2018 12:00:54 PM

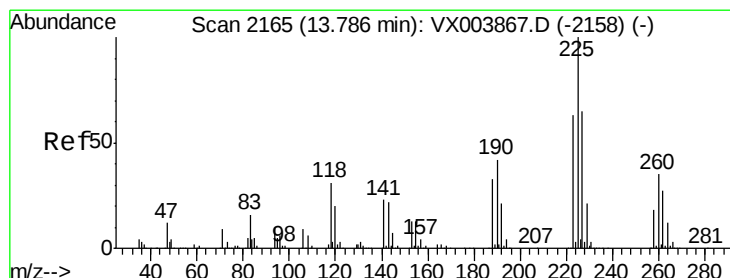
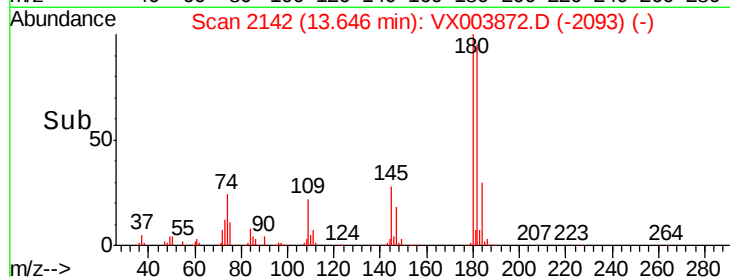
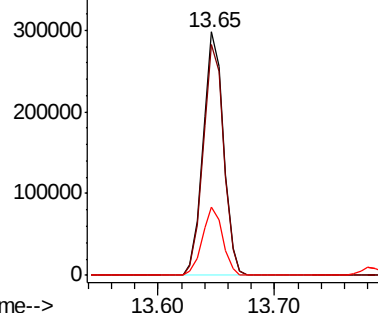


Abundance

Ion 179.80 (179.50 to 180.50): V

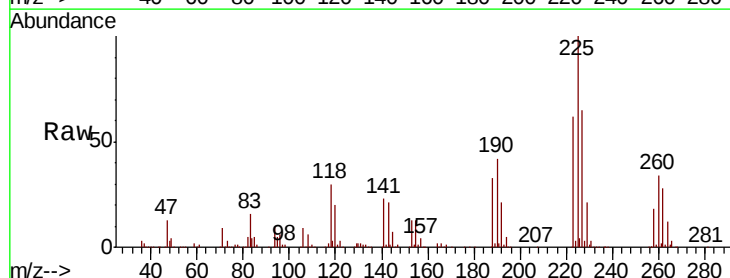
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 50.60 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003872.D
 Acq: 07 Aug 2018 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.5	31.4	94.0	
227	64.0	32.1	96.5	

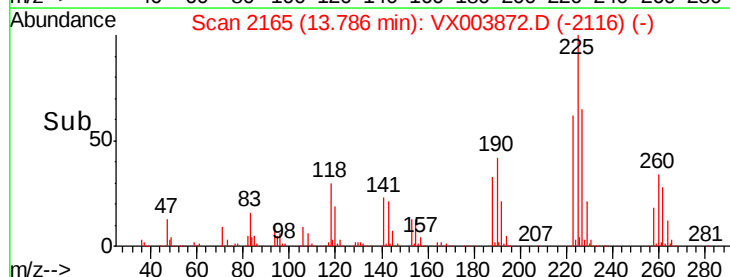
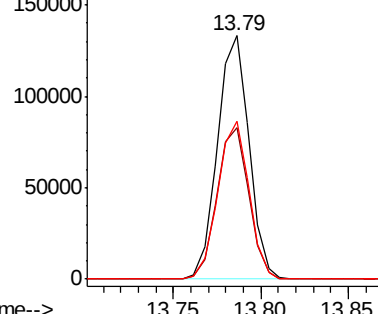


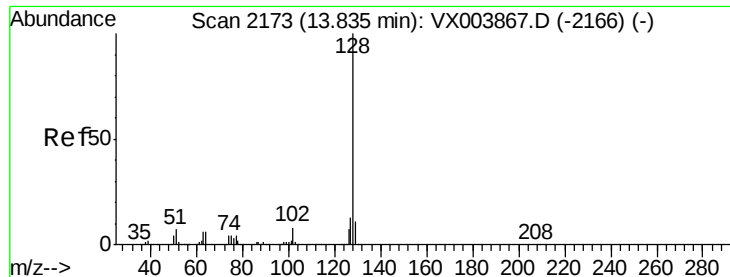
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





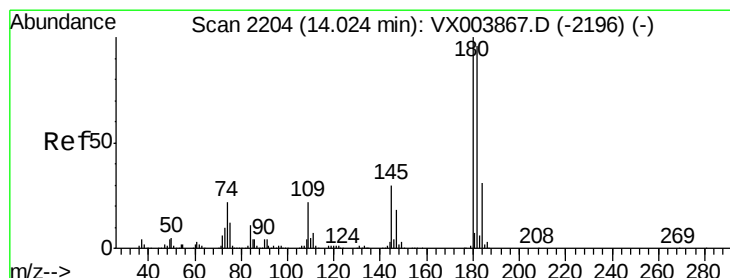
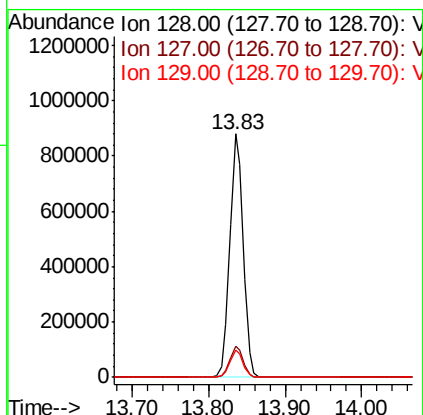
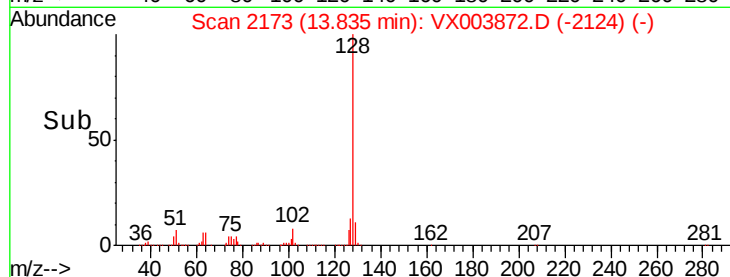
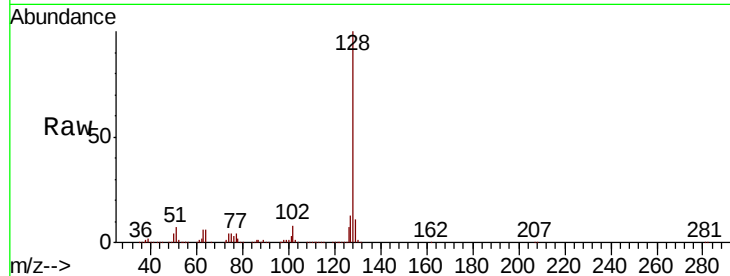
#95
Naphthalene
Concen: 49.74 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX003872.D
Acq: 07 Aug 2018 10:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/8/2018 12:00:54 PM



#96
1,2,3-Trichlorobenzene
Concen: 48.44 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX003872.D
Acq: 07 Aug 2018 10:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	48.1	144.4
145	30.1	14.9	44.7

