

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082118\
 Data File : VX004166.D
 Acq On : 21 Aug 2018 10:20
 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
 8/22/2018 11:16:45 AM

Quant Time: Aug 22 01:08:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	342071	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	481994	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	459710	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	281586	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	212546	44.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.20%	
35) Dibromofluoromethane	5.50	113	181977	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
50) Toluene-d8	8.71	98	700544	47.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.80%	
62) 4-Bromofluorobenzene	11.13	95	257066	48.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.92%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	156265	46.93	ug/l	99
3) Chloromethane	1.32	50	187976	46.00	ug/l	100
4) Vinyl Chloride	1.40	62	203311	45.99	ug/l	100
5) Bromomethane	1.64	94	99503	44.39	ug/l	99
6) Chloroethane	1.72	64	140616	48.29	ug/l	98
7) Trichlorofluoromethane	1.93	101	290512	46.84	ug/l	99
8) Diethyl Ether	2.18	74	127552	47.11	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	184629	47.72	ug/l	100
10) Methyl Iodide	2.51	142	176968	43.54	ug/l	100
11) Tert butyl alcohol	3.06	59	207154	213.44	ug/l	100
12) 1,1-Dichloroethene	2.37	96	167160	46.45	ug/l	97
13) Acrolein	2.29	56	131571	202.01	ug/l	99
14) Allyl chloride	2.73	41	319611	46.68	ug/l	97
15) Acrylonitrile	3.15	53	540873	223.51	ug/l	100
16) Acetone	2.44	43	605385	241.59	ug/l	100
17) Carbon Disulfide	2.57	76	451015	44.19	ug/l	99
18) Methyl Acetate	2.78	43	273867	49.18	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	593150	46.78	ug/l	100
20) Methylene Chloride	2.86	84	199340	48.65	ug/l	100
21) trans-1,2-Dichloroethene	3.16	96	188252	46.06	ug/l	96
22) Diisopropyl ether	3.87	45	625558	46.62	ug/l	99
23) Vinyl Acetate	3.82	43	2626807	238.37	ug/l	100
24) 1,1-Dichloroethane	3.70	63	356144	46.86	ug/l	100
25) 2-Butanone	4.70	43	895849	219.72	ug/l	99
26) 2,2-Dichloropropane	4.58	77	290429	48.07	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	217817	47.40	ug/l	97
28) Bromochloromethane	5.01	49	173963	49.89	ug/l	99
29) Tetrahydrofuran	5.15	42	445158	213.70	ug/l	99
30) Chloroform	5.21	83	359058	48.41	ug/l	99
31) Cyclohexane	5.57	56	310593	46.62	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	304996	49.21	ug/l	99
36) 1,1-Dichloropropene	5.79	75	273176	49.81	ug/l	99
37) Ethyl Acetate	4.85	43	267785	44.83	ug/l	100
38) Carbon Tetrachloride	5.78	117	269381	50.55	ug/l	96

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 8/22/2018 11:16:45 AM

Quant Time: Aug 22 01:08:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	327552	52.64	ug/l	99
40) Benzene	6.14	78	810378	49.21	ug/l	98
41) Methacrylonitrile	5.06	41	154403	46.16	ug/l	99
42) 1,2-Dichloroethane	6.20	62	279218	48.43	ug/l	100
43) Isopropyl Acetate	6.46	43	412130	46.81	ug/l	100
44) Trichloroethene	7.21	130	222779	49.83	ug/l	95
45) 1,2-Dichloropropane	7.51	63	211924	50.27	ug/l	100
46) Dibromomethane	7.66	93	134322	48.75	ug/l	99
47) Bromodichloromethane	7.90	83	270448	51.83	ug/l	98
48) Methyl methacrylate	7.77	41	222756	50.26	ug/l	97
49) 1,4-Dioxane	7.75	88	95428	956.40	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	1787729	247.65	ug/l	100
52) Toluene	8.78	92	533246	51.20	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	309138	54.84	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	334256	53.54	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	212423	49.39	ug/l	99
56) Ethyl methacrylate	9.18	69	311251	53.21	ug/l	99
57) 1,3-Dichloropropane	9.37	76	356853	50.00	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	854857	287.02	ug/l	100
59) 2-Hexanone	9.49	43	1373426	252.80	ug/l	100
60) Dibromochloromethane	9.59	129	217244	52.48	ug/l	100
61) 1,2-Dibromoethane	9.67	107	220969	50.39	ug/l	100
64) Tetrachloroethene	9.34	164	211066	48.44	ug/l	94
65) Chlorobenzene	10.14	112	594696	50.08	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.22	131	209660	51.77	ug/l	98
67) Ethyl Benzene	10.25	91	1012895	53.87	ug/l	97
68) m/p-Xylenes	10.36	106	790830	107.40	ug/l	98
69) o-Xylene	10.70	106	369371	52.49	ug/l	98
70) Styrene	10.71	104	633759	53.51	ug/l	97
71) Bromoform	10.86	173	159593	49.69	ug/l	99
73) Isopropylbenzene	11.02	105	976401	51.24	ug/l	94
74) N-amyl acetate	6.46	43	412130	45.98	ug/l	# 100
75) 1,1,2,2-Tetrachloroethane	11.27	83	320339	48.14	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	301230m	53.34	ug/l	
77) Bromobenzene	11.26	156	263946	50.25	ug/l	98
78) n-propylbenzene	11.36	91	1166107	54.68	ug/l	99
79) 2-Chlorotoluene	11.42	91	648034	49.86	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	841818	53.95	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	95912	52.58	ug/l	96
82) 4-Chlorotoluene	11.51	91	777554	50.62	ug/l	99
83) tert-Butylbenzene	11.77	119	855887	54.40	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	897151	55.52	ug/l	99
85) sec-Butylbenzene	11.94	105	1029271	55.90	ug/l	99
86) p-Isopropyltoluene	12.07	119	919324	55.15	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	502646	50.17	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	507778	49.25	ug/l	99
89) n-Butylbenzene	12.39	91	842843	64.17	ug/l	99
90) Hexachloroethane	12.60	117	136270	54.64	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	513817	56.87	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	60765	51.96	ug/l	98

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ClientSampleId :
VSTDCCC050

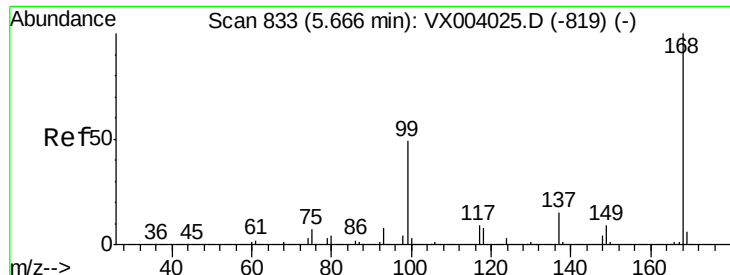
Manual Integrations
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MMDadoda
8/22/2018 11:16:45 AM

Quant Time: Aug 22 01:08:22 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 14 13:27:25 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	339610	54.99	ug/l	99
94) Hexachlorobutadiene	13.79	225	165373	53.41	ug/l	99
95) Naphthalene	13.83	128	1021761	51.85	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	355887	52.84	ug/l	97

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



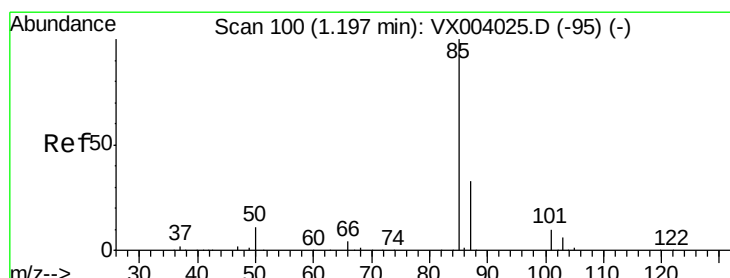
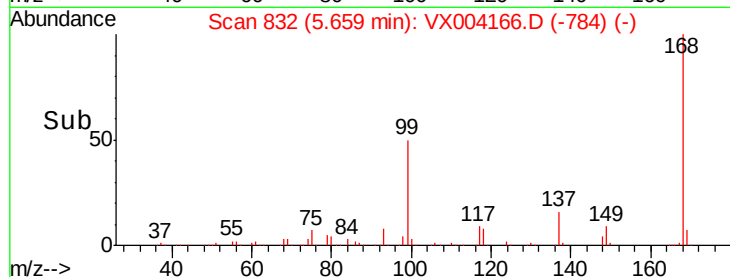
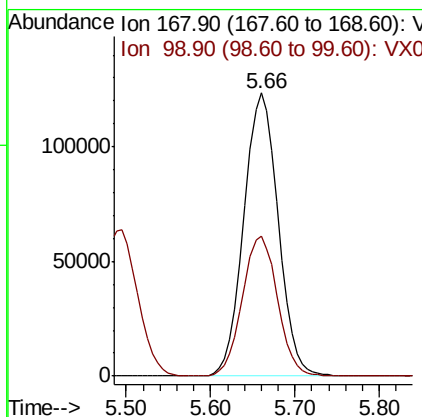
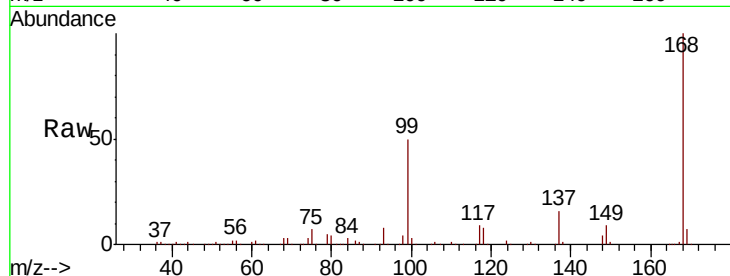
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.66 min Scan# 832
Delta R.T. -0.01 min
Lab File: VX004166.D
Acq: 21 Aug 2018 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
168	100		
99	49.3	40.1	60.1

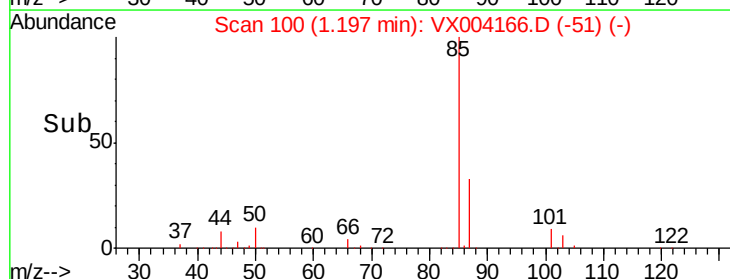
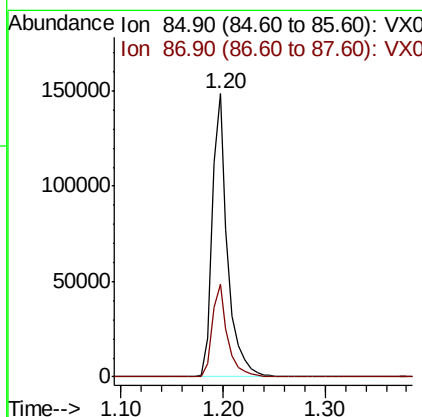
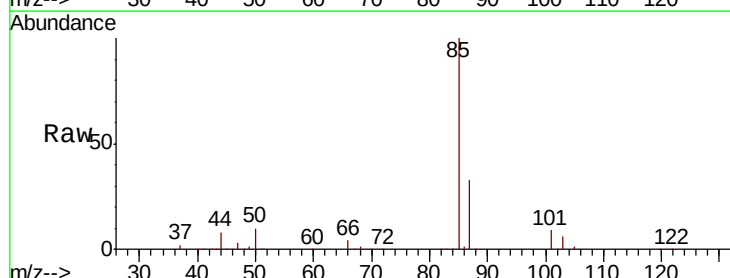
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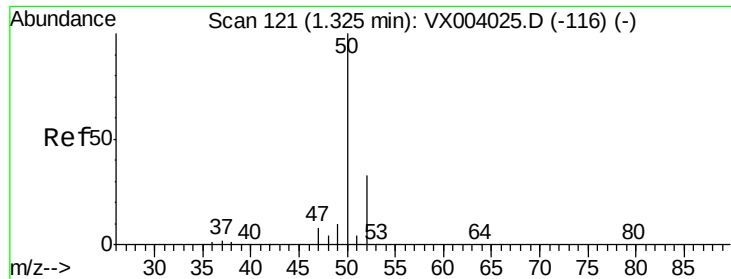
MMDadoda
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#2
Dichlorodifluoromethane
Concen: 46.93 ug/l
RT: 1.20 min Scan# 100
Delta R.T. -0.00 min
Lab File: VX004166.D
Acq: 21 Aug 2018 10:20

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.7	16.0	48.0





#3

Chloromethane

Concen: 46.00 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 187976

Ion Ratio Lower Upper

50 100

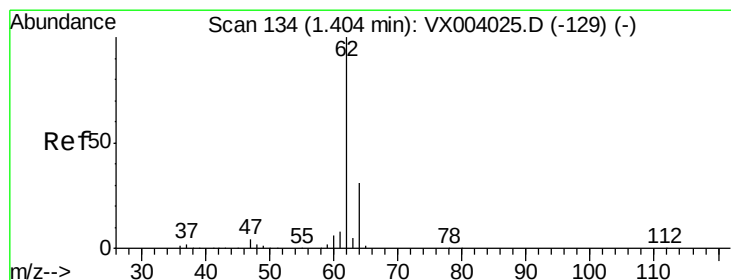
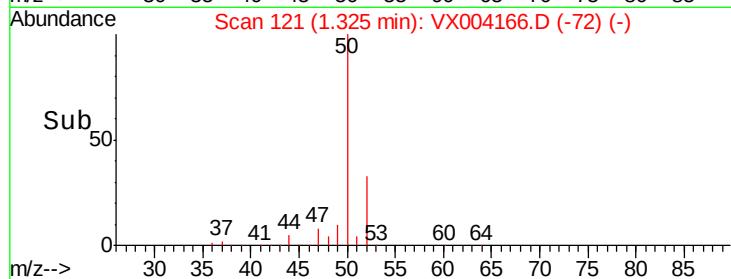
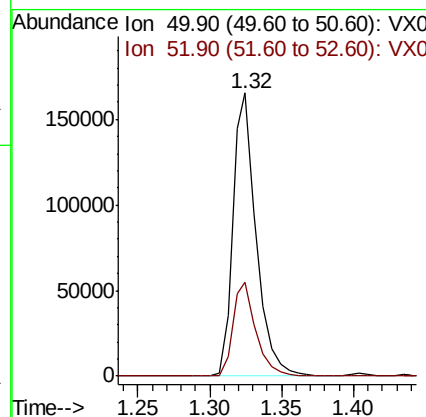
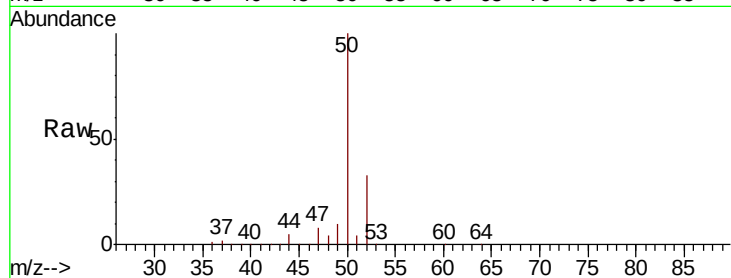
52 33.0 26.6 39.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 45.99 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004166.D

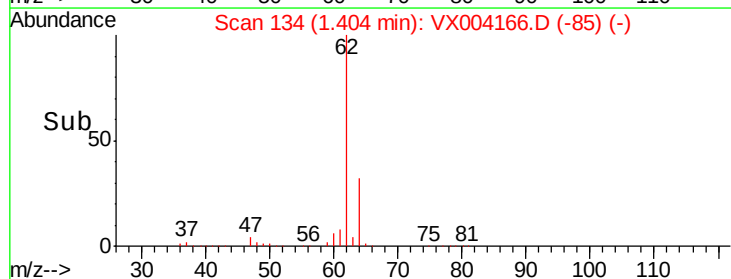
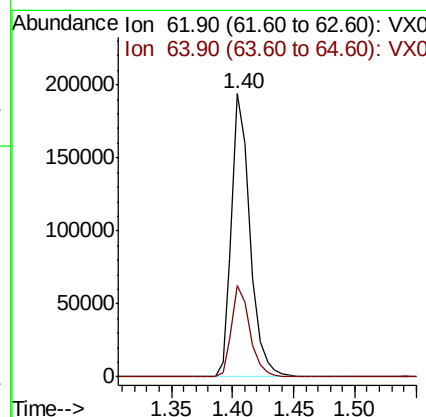
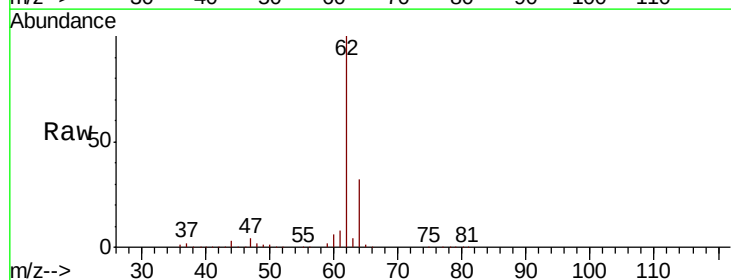
Acq: 21 Aug 2018 10:20

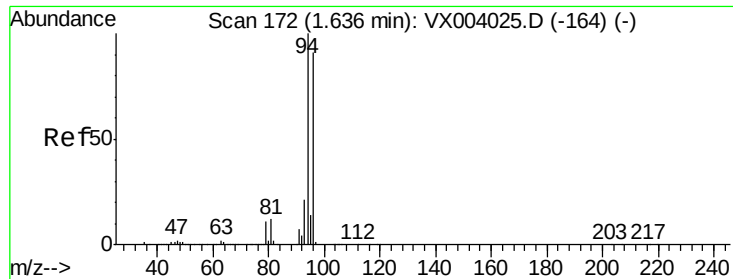
Tgt Ion: 62 Resp: 203311

Ion Ratio Lower Upper

62 100

64 32.3 26.0 39.0





#5

Bromomethane

Concen: 44.39 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 99503

Ion Ratio Lower Upper

94 100

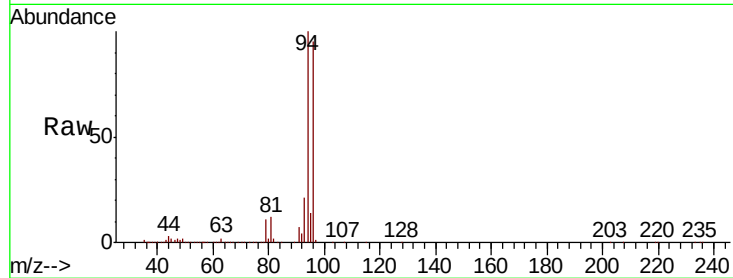
96 94.7 75.2 112.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

120000

100000

80000

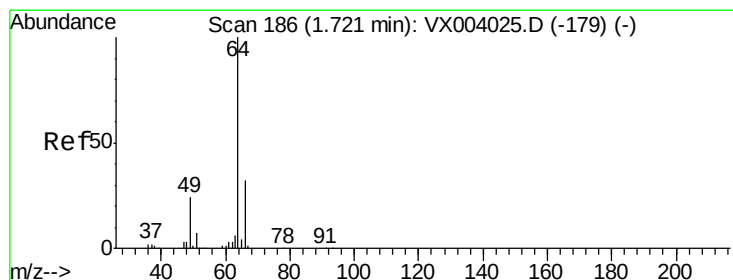
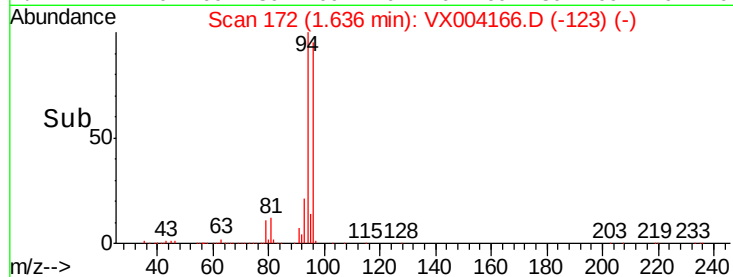
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 48.29 ug/l

RT: 1.72 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX004166.D

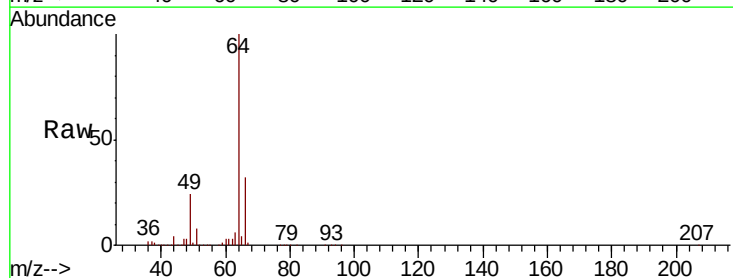
Acq: 21 Aug 2018 10:20

Tgt Ion: 64 Resp: 140616

Ion Ratio Lower Upper

64 100

66 31.8 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

120000

100000

80000

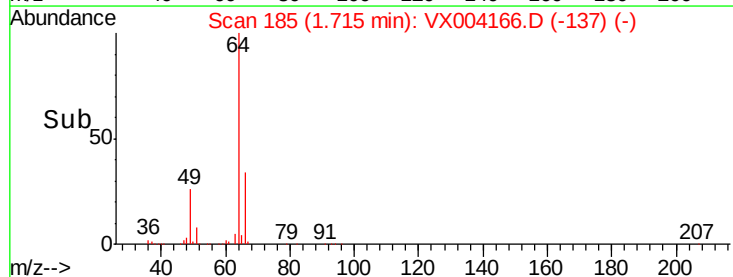
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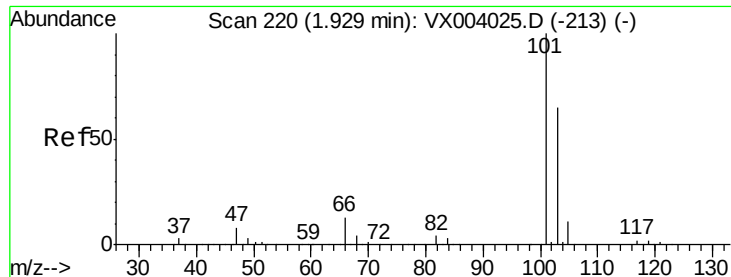
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20000

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Time-->





#7

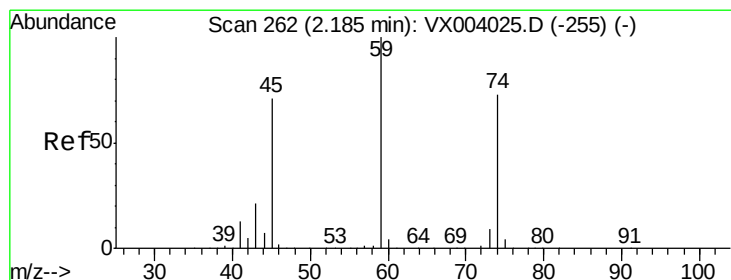
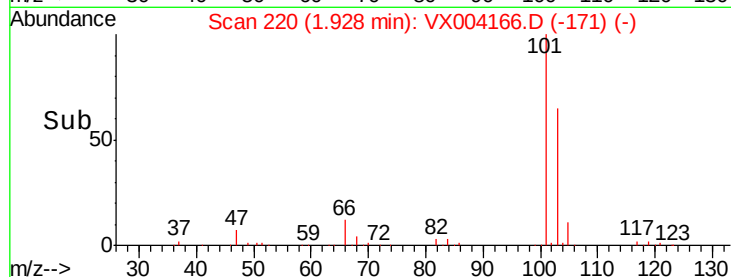
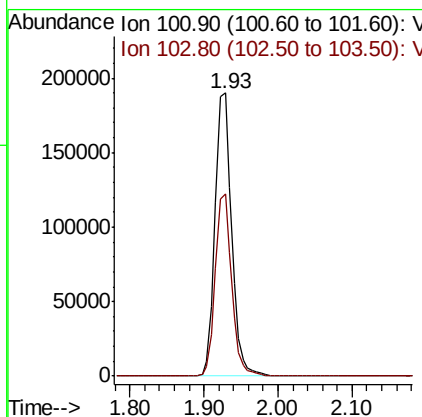
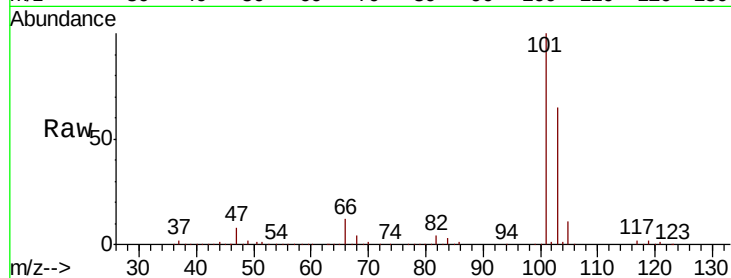
Trichlorofluoromethane
Concen: 46.84 ug/l
RT: 1.93 min Scan# 220
Delta R.T. -0.00 min
Lab File: VX004166.D
Acq: 21 Aug 2018 10:20

Instrument :
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ClientSampleId :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		290512		
103	64.6	52.3	78.5		

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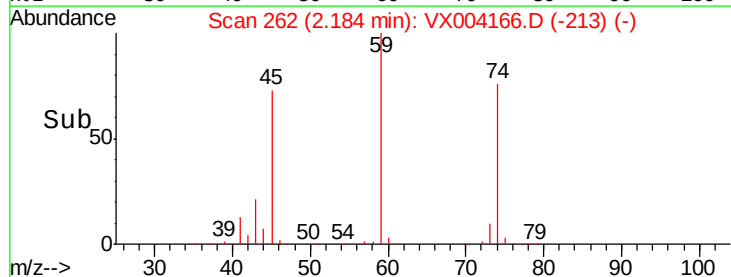
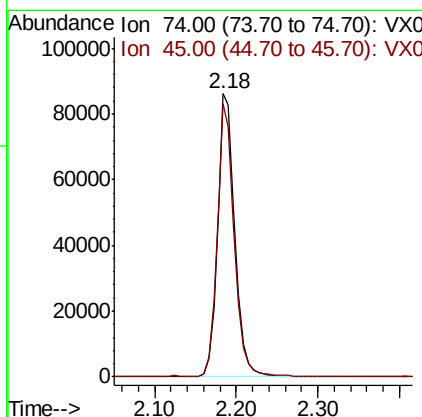
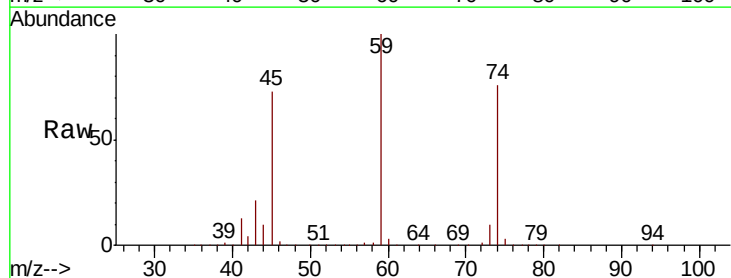
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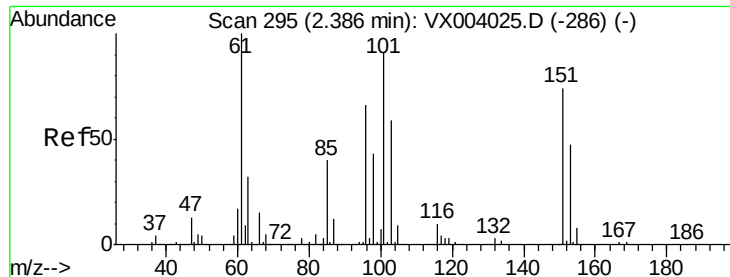


#8

Diethyl Ether
Concen: 47.11 ug/l
RT: 2.18 min Scan# 262
Delta R.T. -0.00 min
Lab File: VX004166.D
Acq: 21 Aug 2018 10:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		127552		
45	94.7	48.3	144.9		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.72 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_X

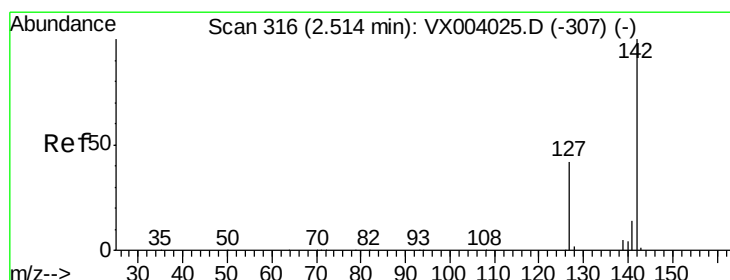
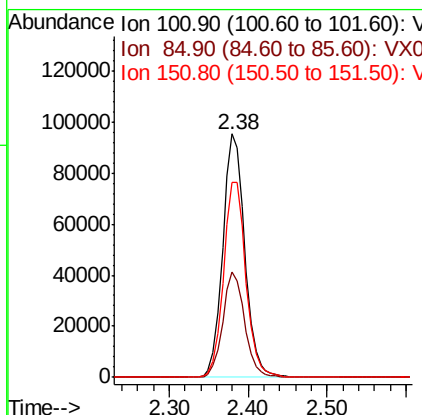
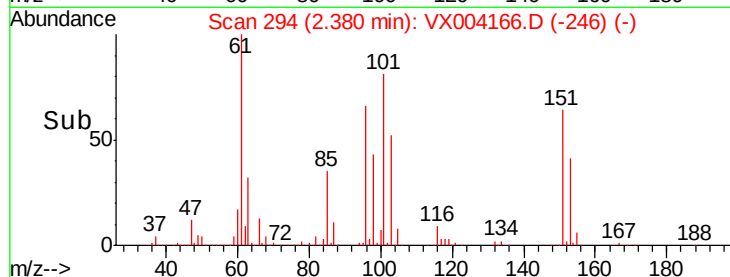
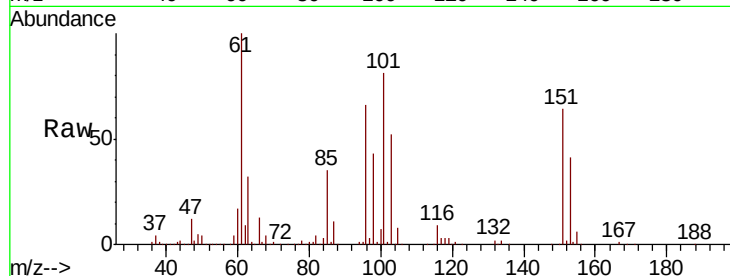
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	184629
Ion Ratio	Lower	Upper	
101	100		
85	43.0	34.2	51.4
151	81.5	65.0	97.4

Manual Integrations
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8/22/2018 11:16:45 AM



#10

Methyl Iodide

Concen: 43.54 ug/l

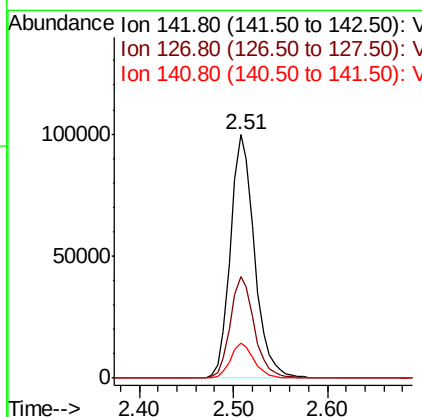
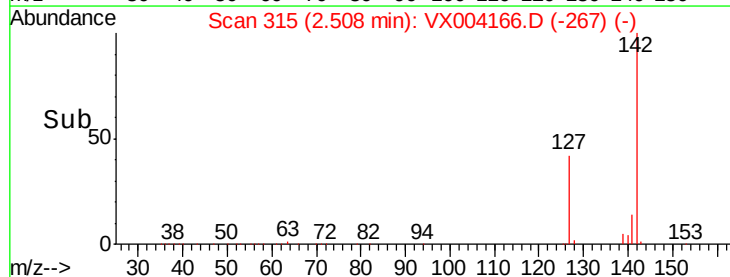
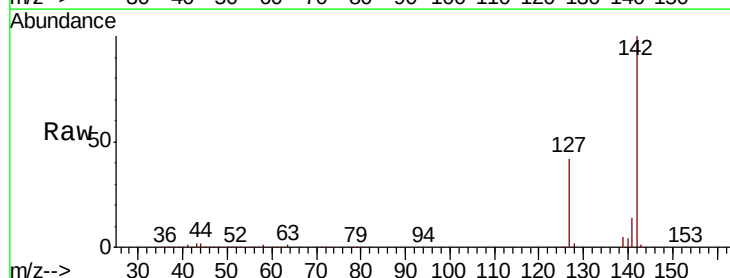
RT: 2.51 min Scan# 315

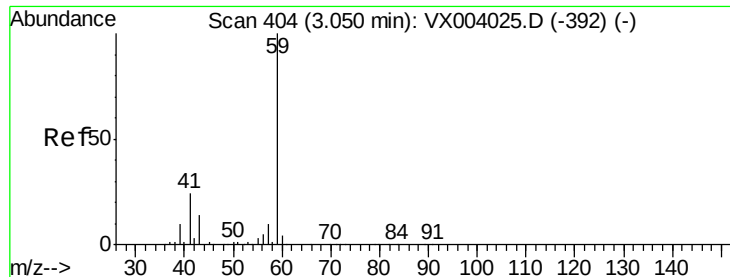
Delta R.T. -0.01 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

Tgt Ion:	142	Resp:	176968
Ion Ratio	Lower	Upper	
142	100		
127	41.6	33.1	49.7
141	14.3	11.1	16.7





#11

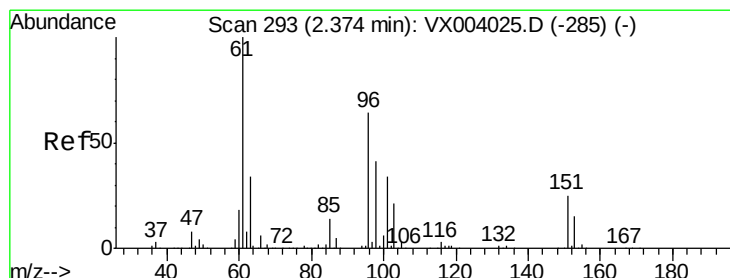
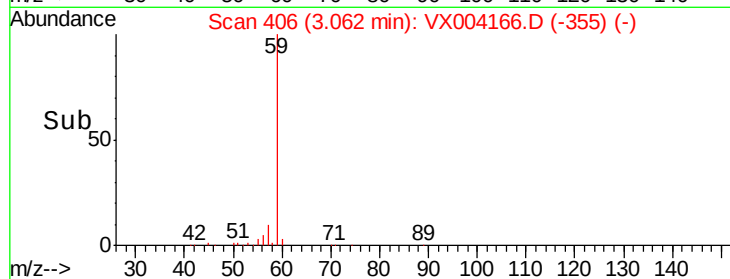
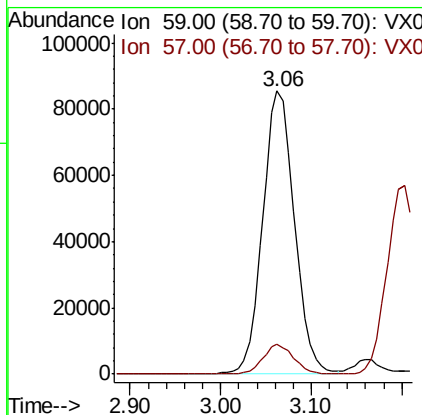
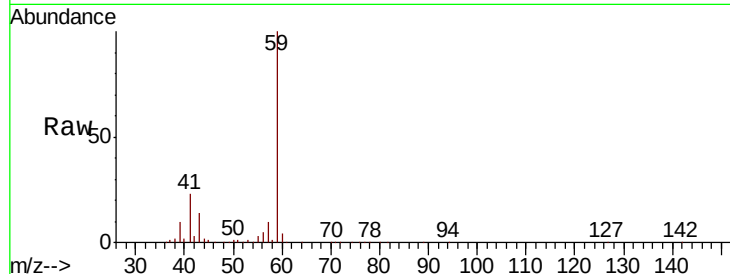
Tert butyl alcohol
 Concen: 213.44 ug/l
 RT: 3.06 min Scan# 406
 Delta R.T. 0.01 min
 Lab File: VX004166.D
 Acq: 21 Aug 2018 10:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.1	12.1

Manual Integrations
 APPROVED

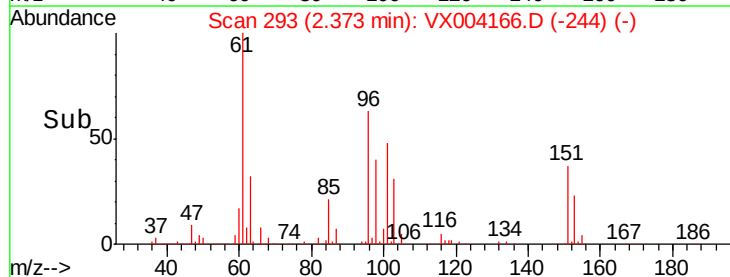
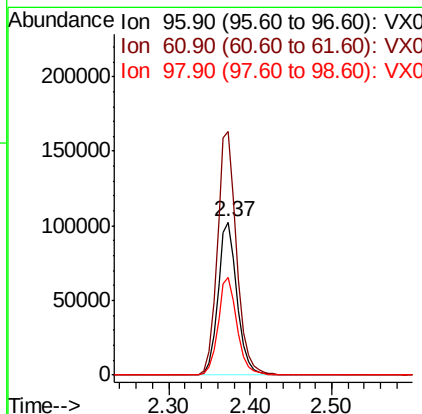
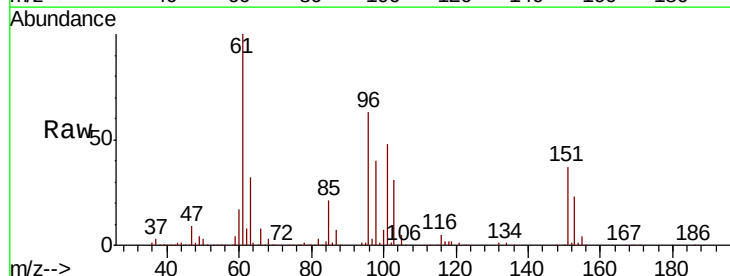
MMDadoda
 8/22/2018 11:16:45 AM

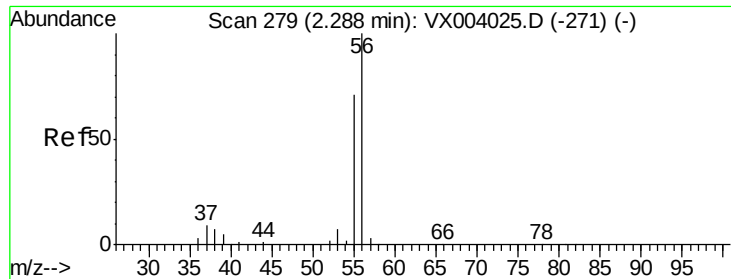


#12

1,1-Dichloroethene
 Concen: 46.45 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VX004166.D
 Acq: 21 Aug 2018 10:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.4	131.3	196.9
98	64.1	51.8	77.6





#13

Acrolein

Concen: 202.01 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 131571

Ion Ratio Lower Upper

56 100

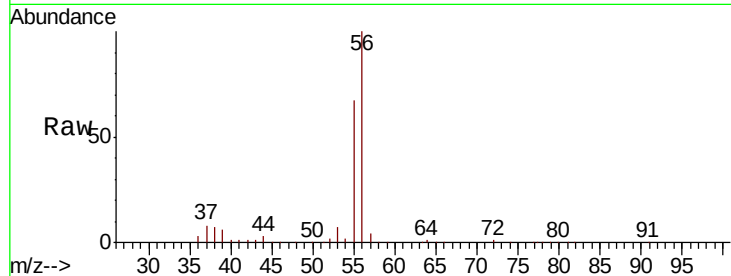
55 69.0 56.1 84.1

Manual Integrations

APPROVED

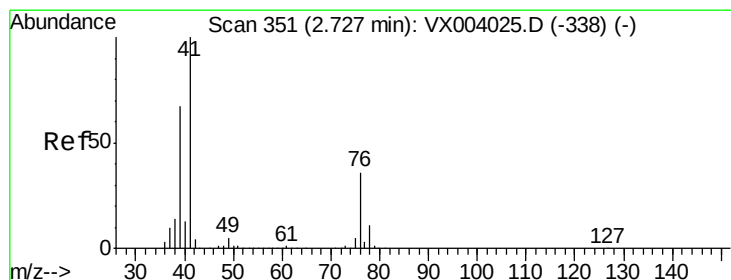
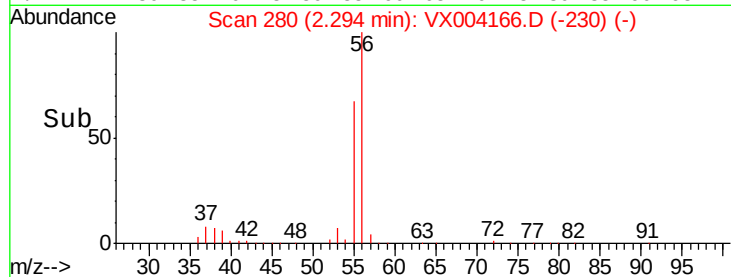
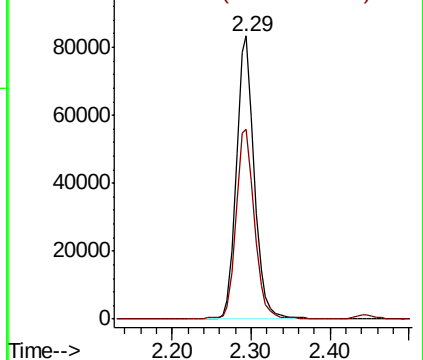
MMDadoda

8/22/2018 11:16:45 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 46.68 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

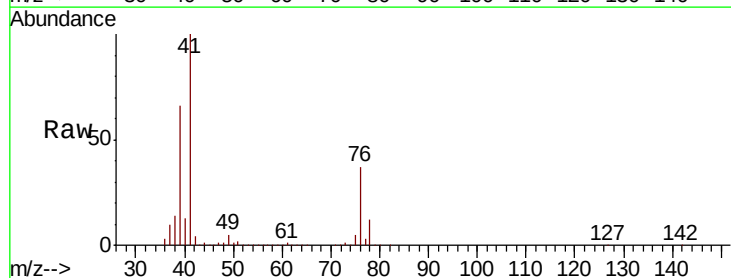
Tgt Ion: 41 Resp: 319611

Ion Ratio Lower Upper

41 100

39 61.9 47.4 71.0

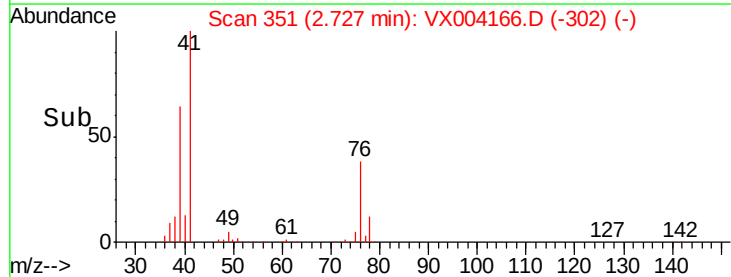
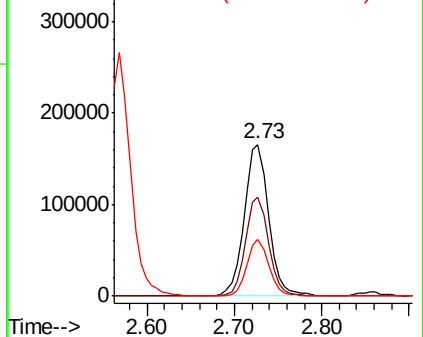
76 33.5 26.0 39.0

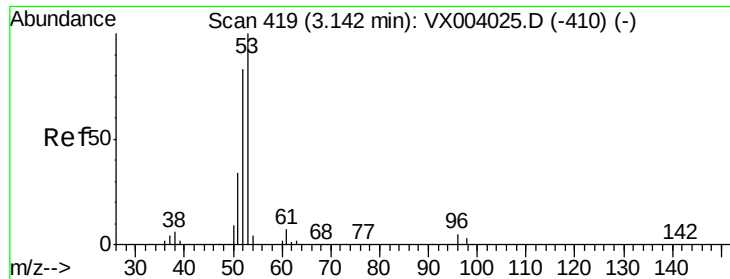


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





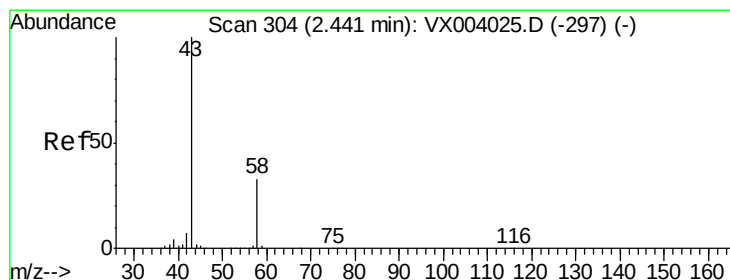
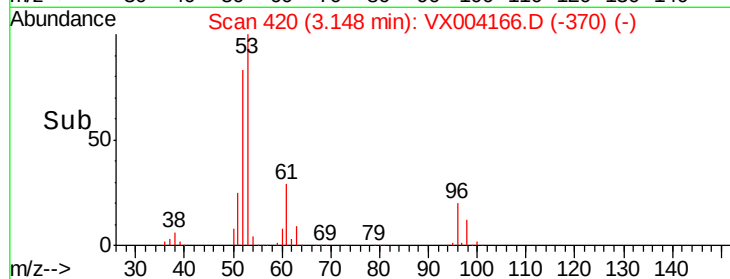
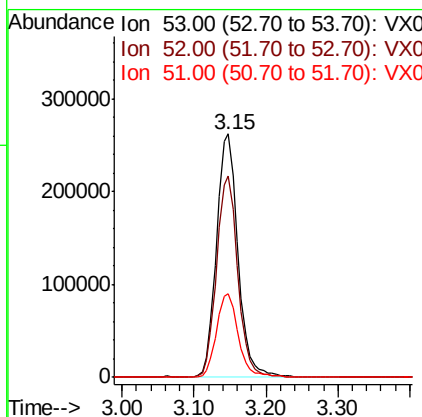
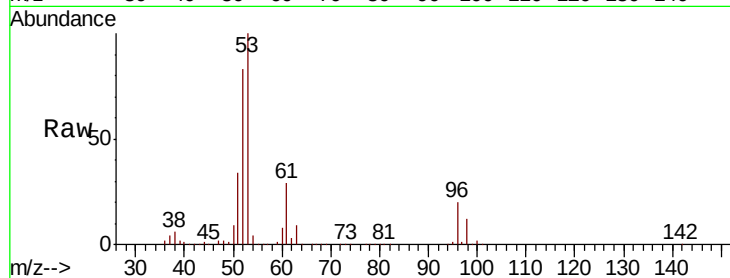
#15
 Acrylonitrile
 Concen: 223.51 ug/l
 RT: 3.15 min Scan# 420
 Delta R.T. 0.01 min
 Lab File: VX004166.D
 Acq: 21 Aug 2018 10:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	53	Resp:	540873
Ion Ratio	Lower	Upper	
53	100		
52	81.9	65.3	97.9
51	34.9	27.9	41.9

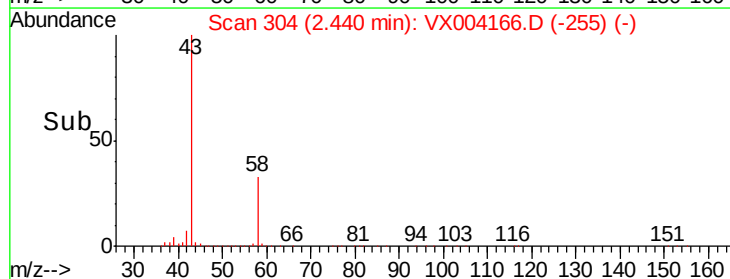
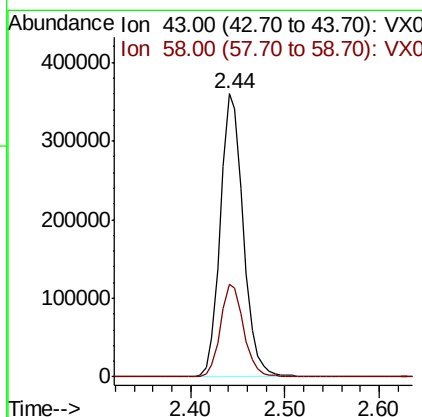
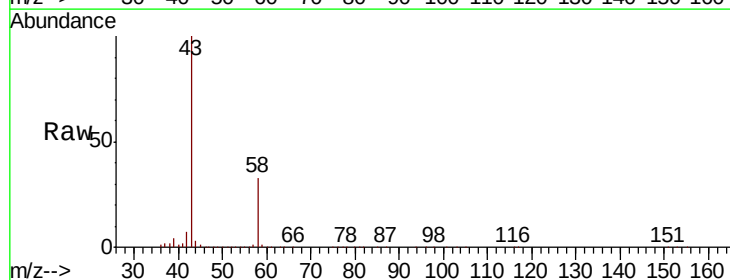
Manual Integrations
 APPROVED

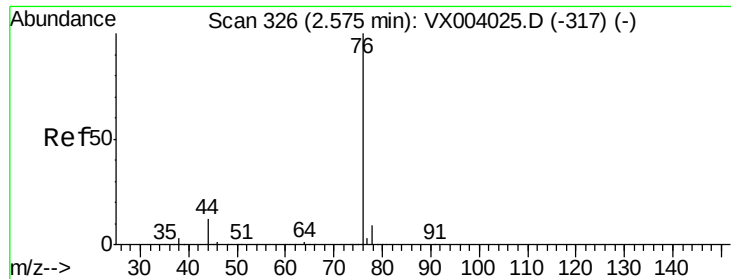
MMDadoda
 8/22/2018 11:16:45 AM



#16
 Acetone
 Concen: 241.59 ug/l
 RT: 2.44 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VX004166.D
 Acq: 21 Aug 2018 10:20

Tgt Ion:	43	Resp:	605385
Ion Ratio	Lower	Upper	
43	100		
58	32.8	26.4	39.6





#17

Carbon Disulfide

Concen: 44.19 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 451015

Ion Ratio Lower Upper

76 100

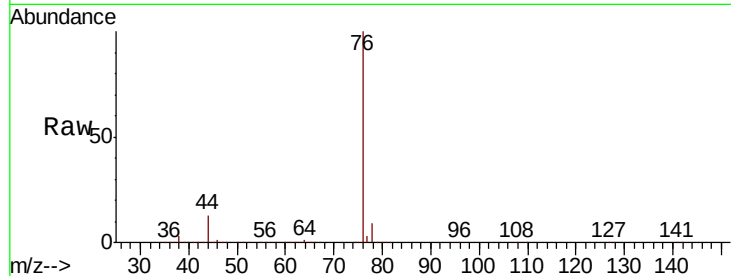
78 9.1 7.5 11.3

Manual Integrations

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MMDadoda

8/22/2018 11:16:45 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

250000

200000

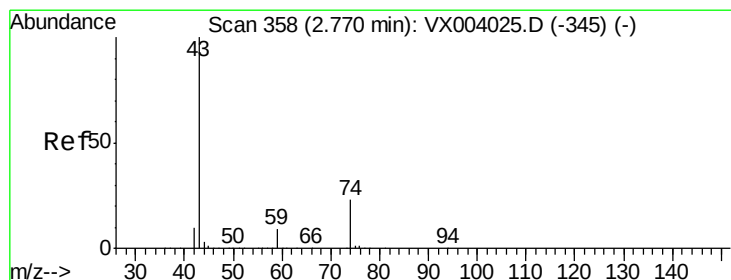
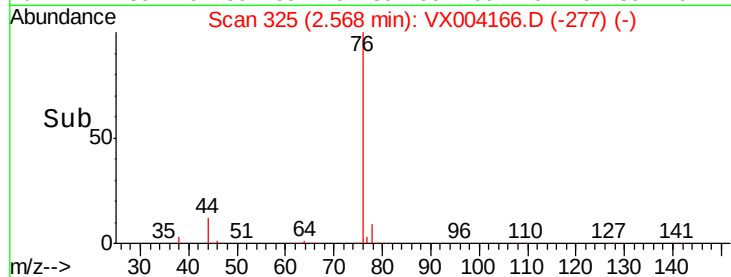
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 49.18 ug/l

RT: 2.78 min Scan# 359

Delta R.T. 0.01 min

Lab File: VX004166.D

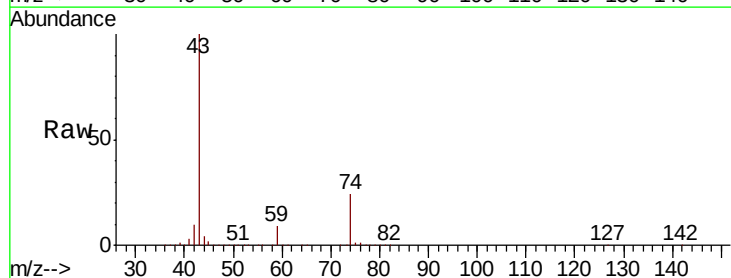
Acq: 21 Aug 2018 10:20

Tgt Ion: 43 Resp: 273867

Ion Ratio Lower Upper

43 100

74 24.7 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

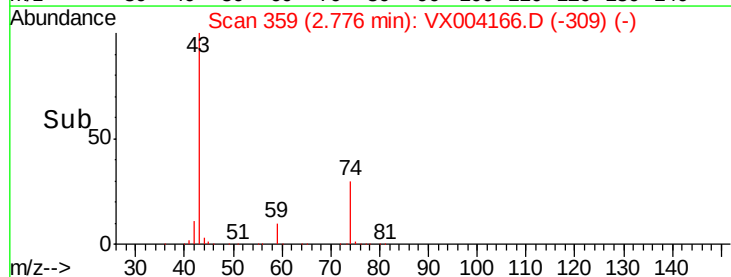
150000

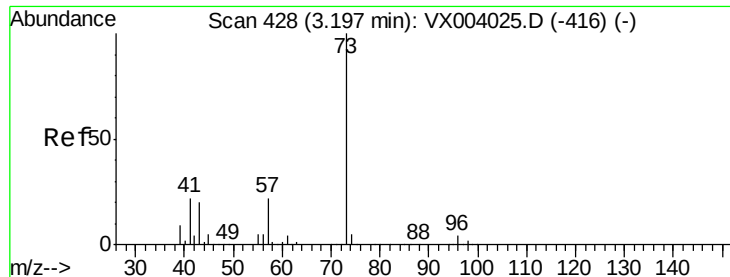
100000

50000

0

Time-->





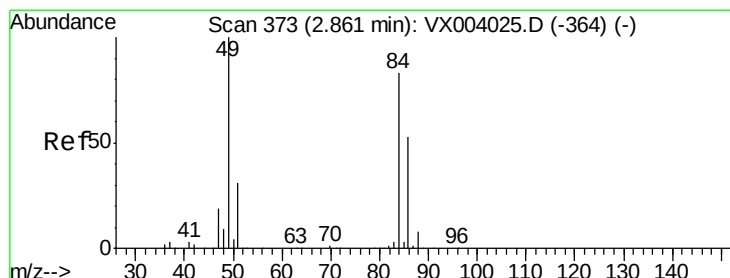
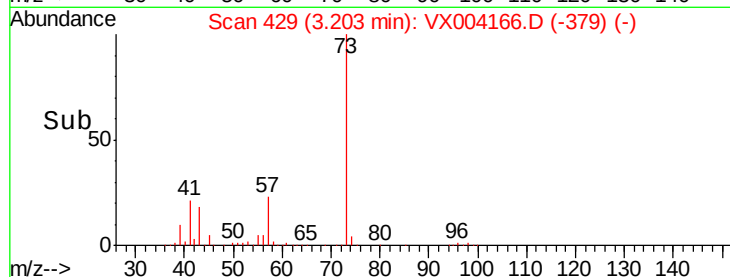
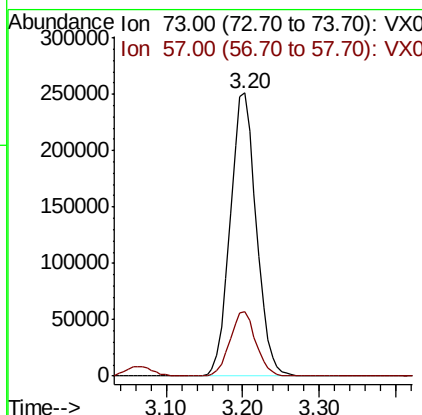
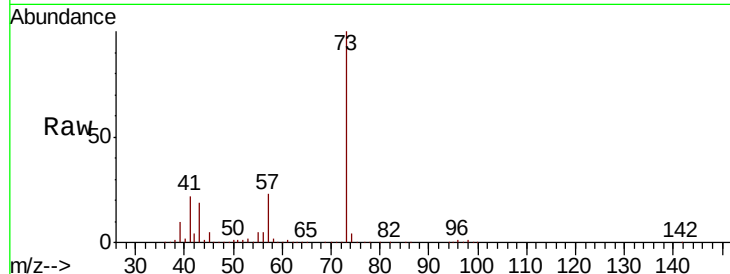
#19
Methvl tert-butvl Ether
Concen: 46.78 ug/l
RT: 3.20 min Scan# 429
Delta R.T. 0.01 min
Lab File: VX004166.D
Acq: 21 Aug 2018 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.6	18.0	27.0

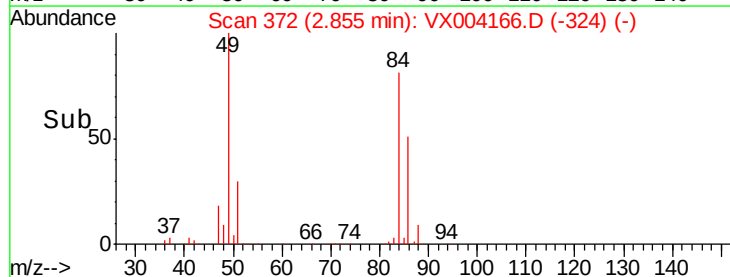
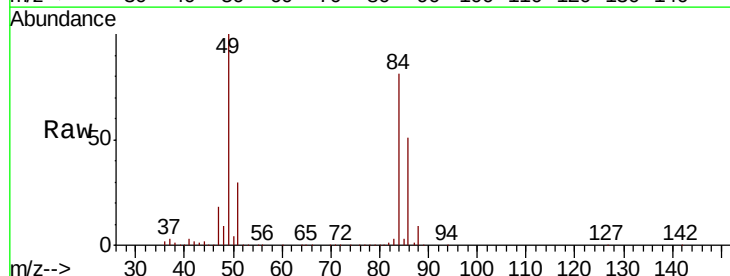
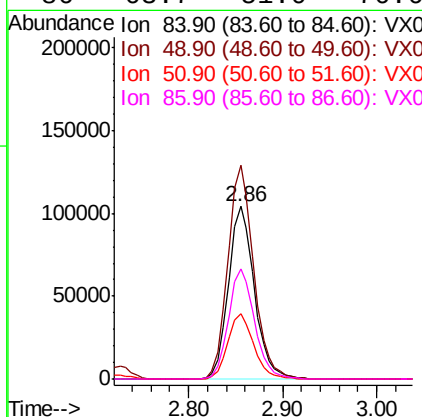
Manual Integrations
APPROVED

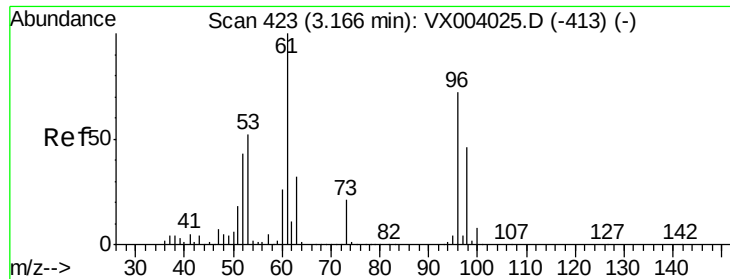
MMDadoda
8/22/2018 11:16:45 AM



#20
Methylene Chloride
Concen: 48.65 ug/l
RT: 2.86 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX004166.D
Acq: 21 Aug 2018 10:20

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.9	98.9	148.3
51	37.5	29.9	44.9
86	63.7	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 46.06 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_X

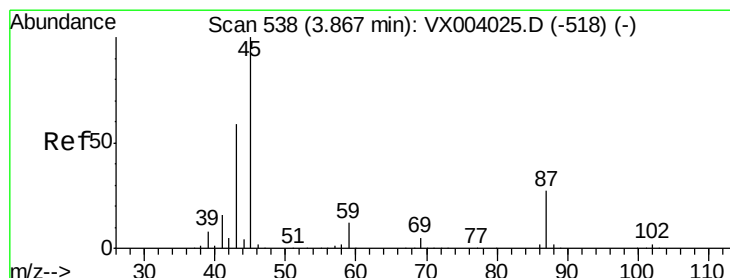
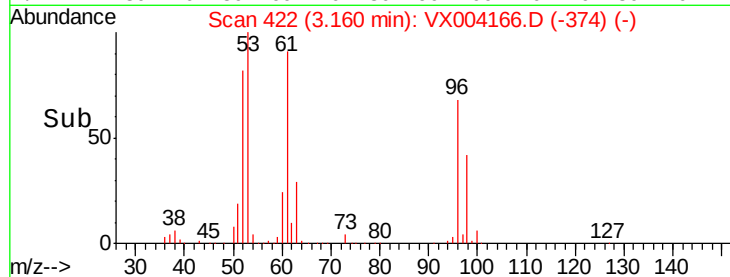
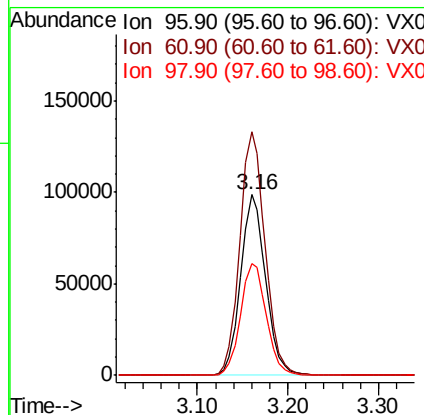
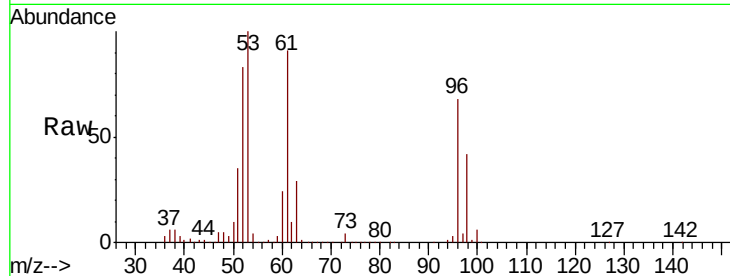
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	188252
Ion Ratio	Lower	Upper	
96	100		
61	134.9	111.8	167.6
98	62.3	51.8	77.6

Manual Integrations
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8/22/2018 11:16:45 AM



#22

Diisopropyl ether

Concen: 46.62 ug/l

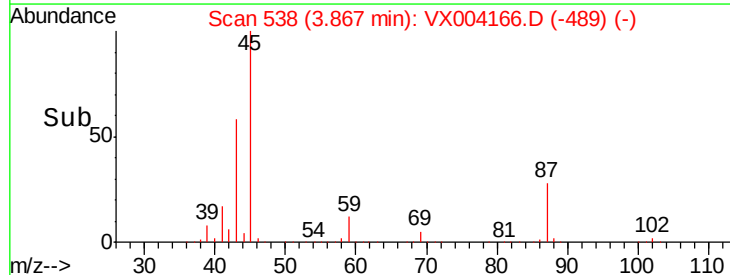
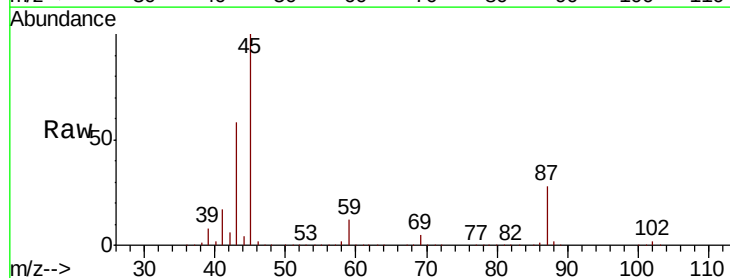
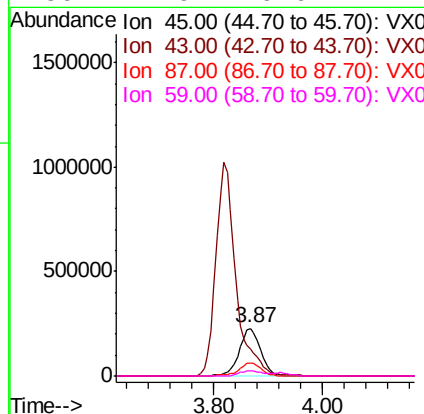
RT: 3.87 min Scan# 538

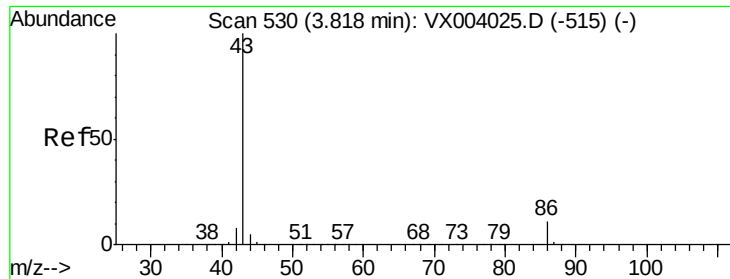
Delta R.T. -0.00 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

Tgt Ion:	45	Resp:	625558
Ion Ratio	Lower	Upper	
45	100		
43	57.7	45.3	67.9
87	27.5	22.7	34.1
59	11.9	9.6	14.4





#23

Vinyl Acetate

Concen: 238.37 ug/l

RT: 3.82 min Scan# 530

Delta R.T. -0.00 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2626807

Ion Ratio Lower Upper

43 100

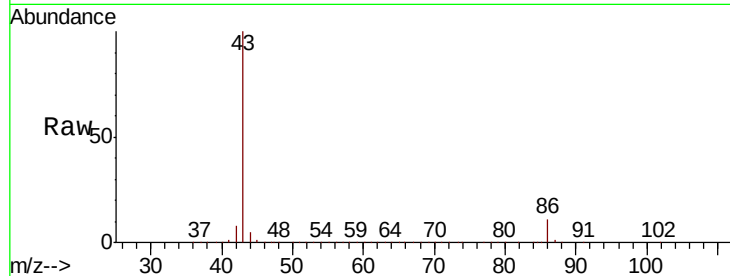
86 11.1 8.9 13.3

Manual Integrations

APPROVED

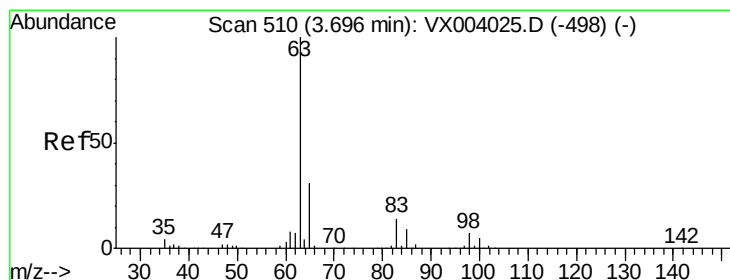
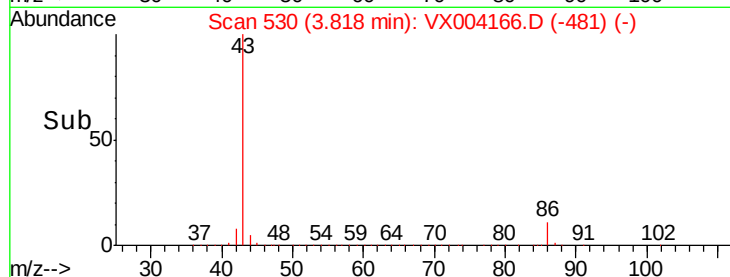
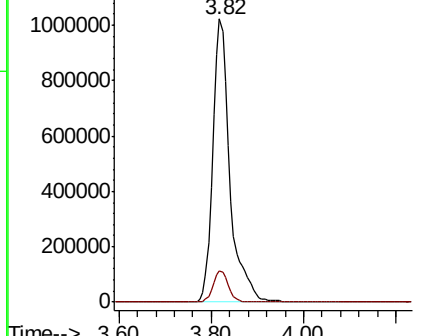
MMDadoda

8/22/2018 11:16:45 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 46.86 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

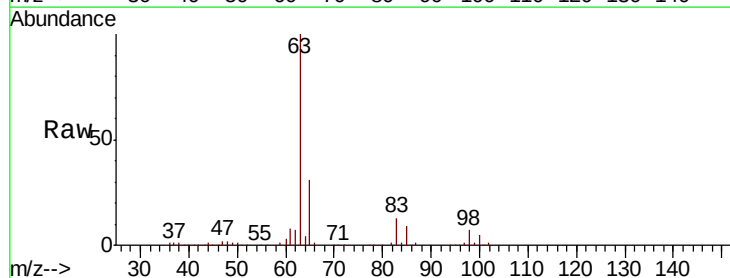
Tgt Ion: 63 Resp: 356144

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.5

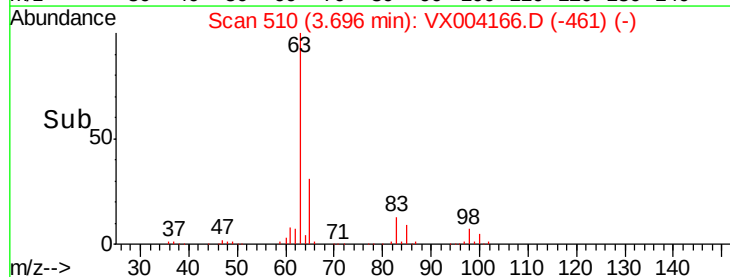
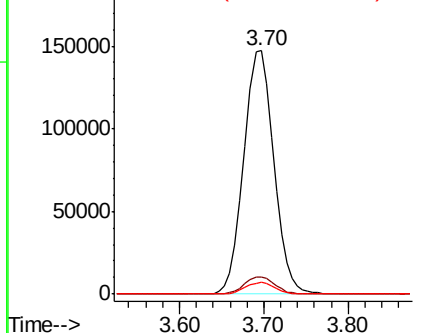
100 4.6 2.3 6.8

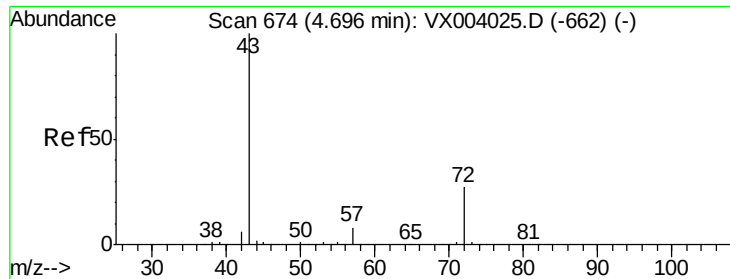


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 219.72 ug/l

RT: 4.70 min Scan# 674

Delta R.T. -0.00 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 895849

Ion Ratio Lower Upper

43 100

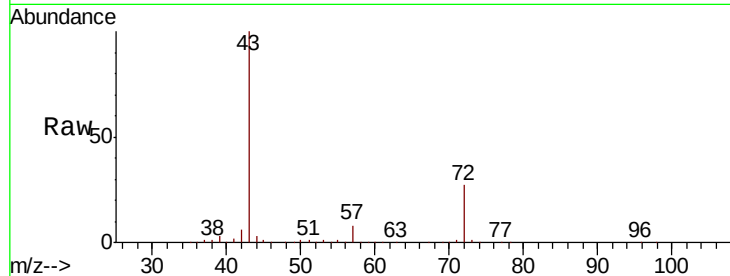
72 27.1 21.4 32.0

Manual Integrations

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MMDadoda

8/22/2018 11:16:45 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

300000

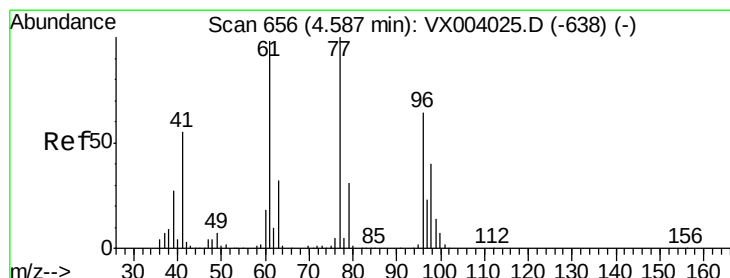
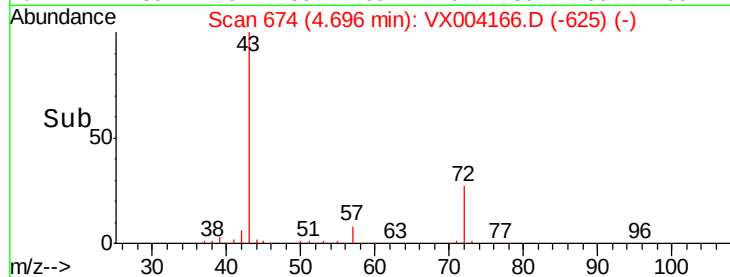
200000

100000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 48.07 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX004166.D

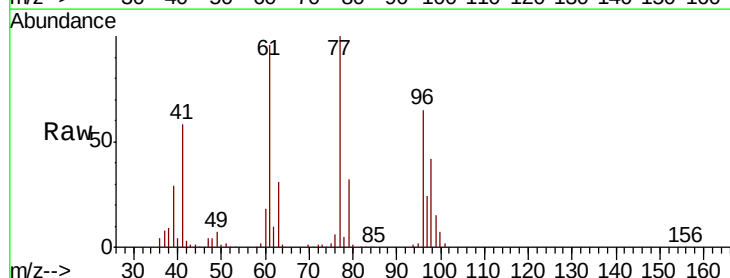
Acq: 21 Aug 2018 10:20

Tgt Ion: 77 Resp: 290429

Ion Ratio Lower Upper

77 100

97 23.5 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

100000

80000

60000

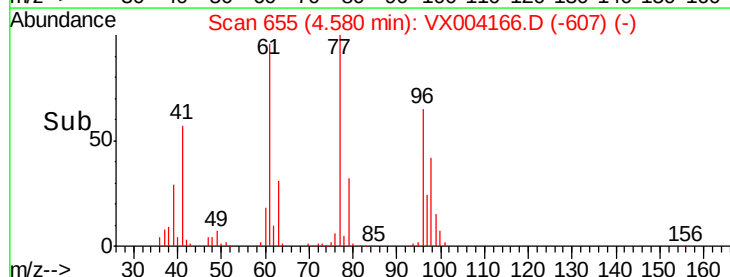
40000

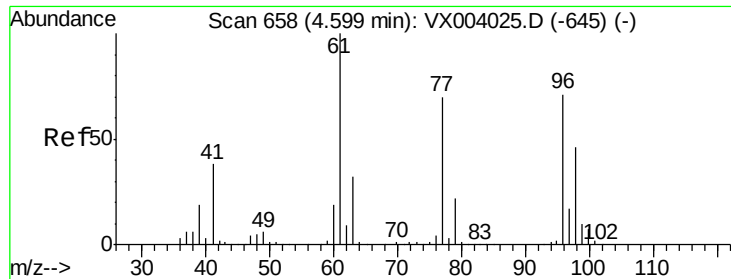
20000

0

4.40 4.50 4.60 4.70

Time-->





#27

cis-1,2-Dichloroethene

Concen: 47.40 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.01 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_X

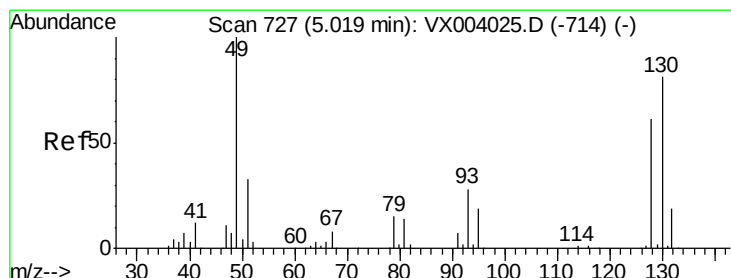
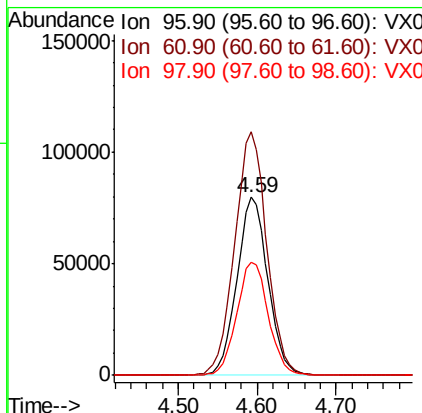
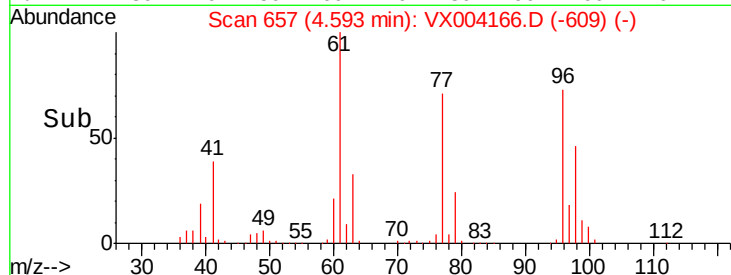
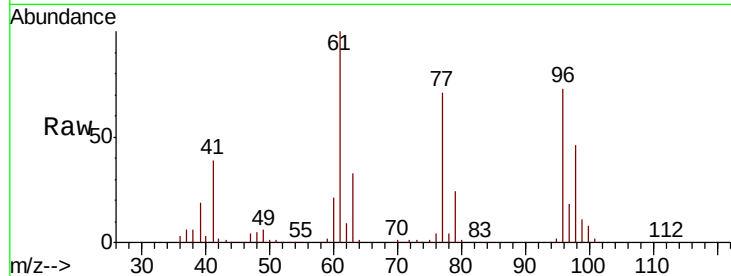
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	217817
Ion	Ratio	Lower	Upper
96	100		
61	141.9	0.0	293.0
98	64.8	0.0	131.8

Manual Integrations
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#28

Bromochloromethane

Concen: 49.89 ug/l

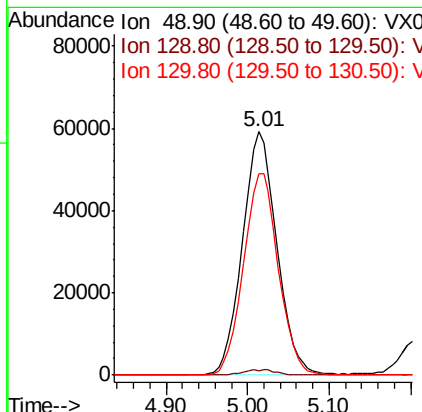
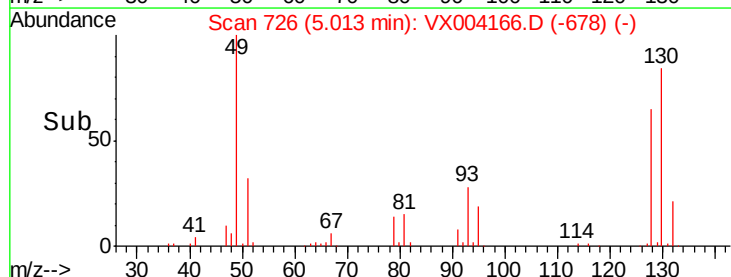
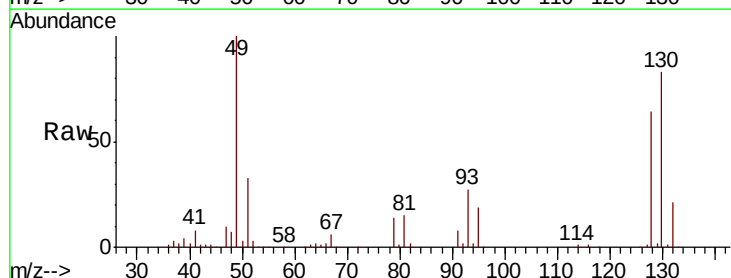
RT: 5.01 min Scan# 726

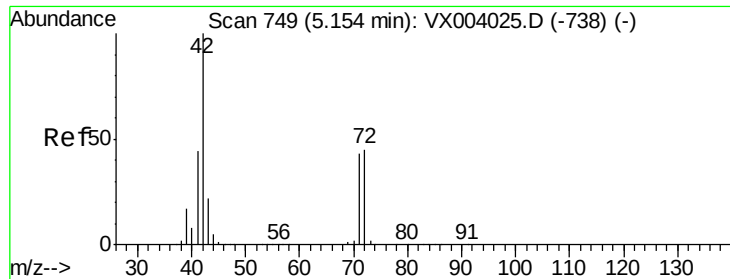
Delta R.T. -0.01 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

Tgt Ion:	49	Resp:	173963
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	83.9	66.5	99.7





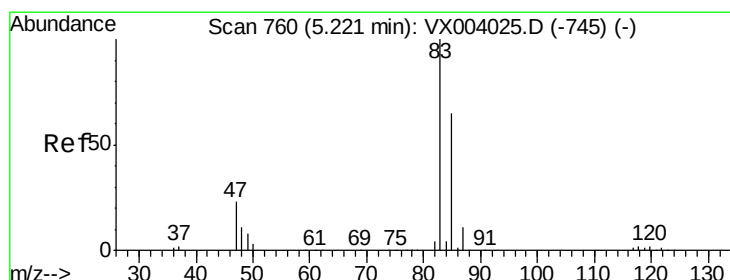
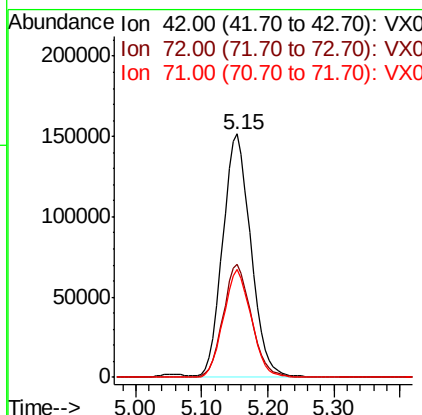
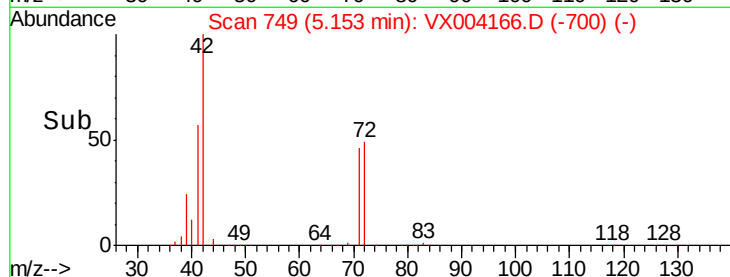
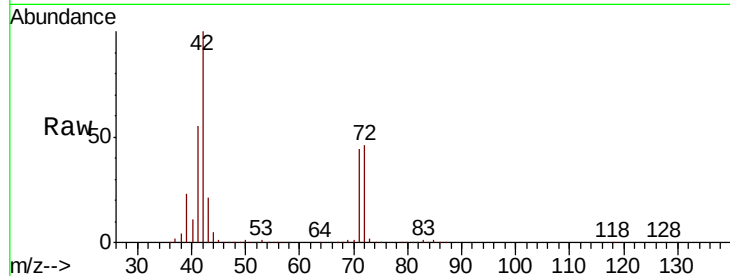
#29
Tetrahydrofuran
Concen: 213.70 ug/l
RT: 5.15 min Scan# 749
Delta R.T. -0.00 min
Lab File: VX004166.D
Acq: 21 Aug 2018 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.6	37.7	56.5
71	44.0	35.0	52.6

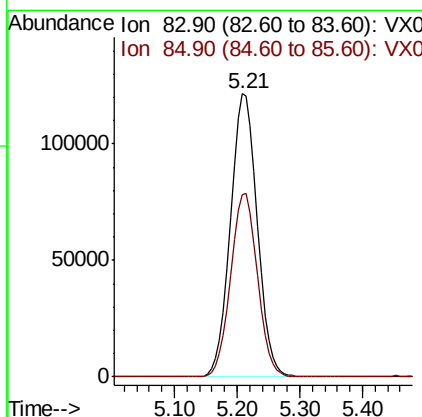
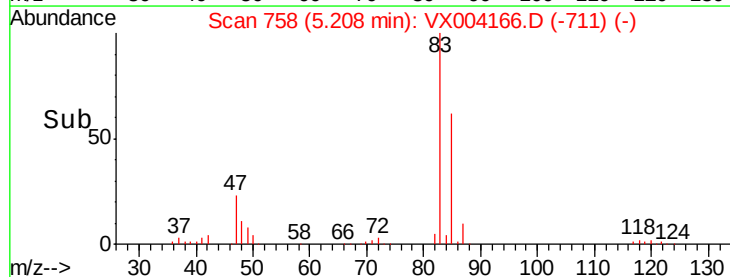
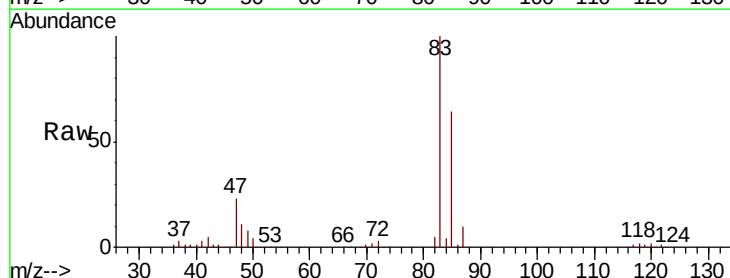
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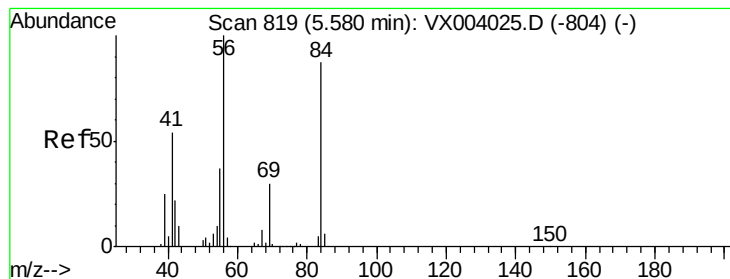
MMDadoda
8/22/2018 11:16:45 AM



#30
Chloroform
Concen: 48.41 ug/l
RT: 5.21 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX004166.D
Acq: 21 Aug 2018 10:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	50.7	76.1





#31

Cyclohexane

Concen: 46.62 ug/l

RT: 5.57 min Scan# 817

Delta R.T. -0.01 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_X

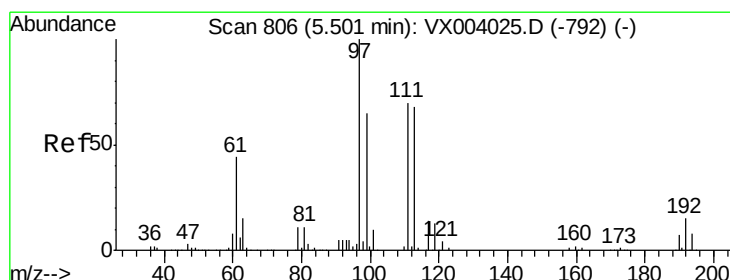
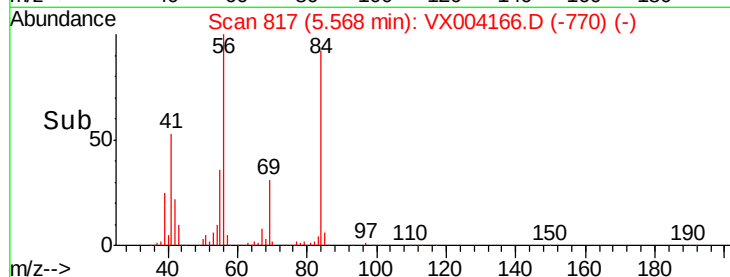
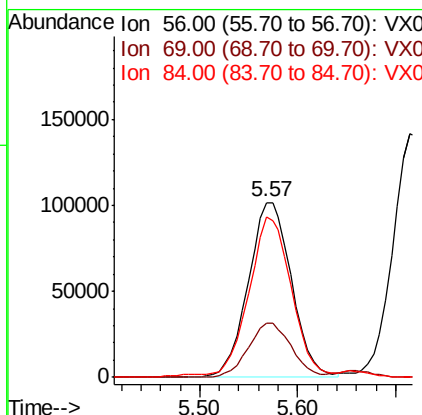
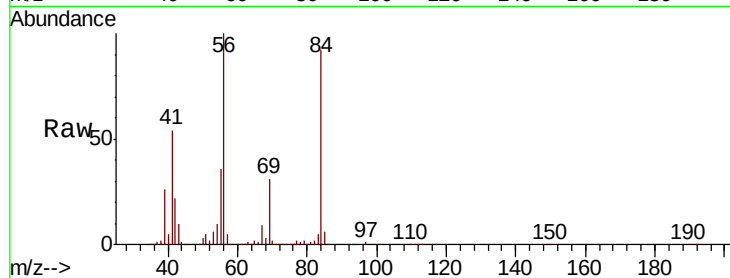
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	310593
Ion	Ratio	Lower	Upper
56	100		
69	31.1	24.9	37.3
84	90.2	71.7	107.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 49.21 ug/l

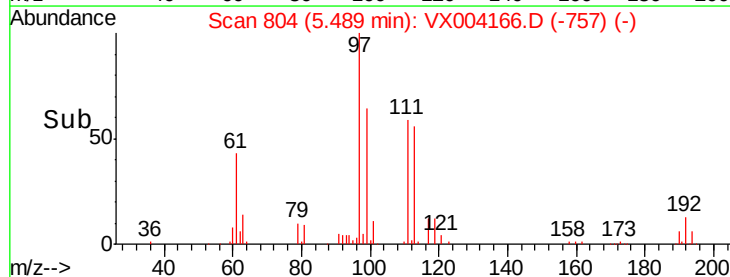
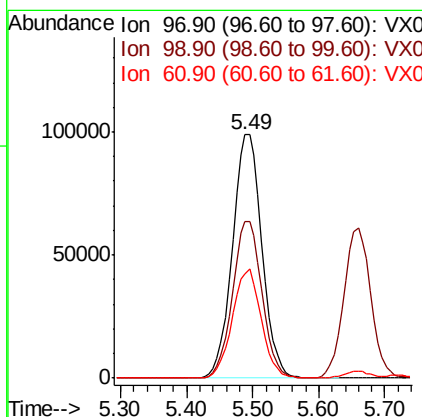
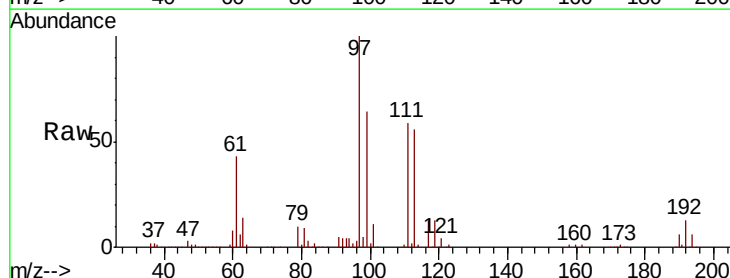
RT: 5.49 min Scan# 804

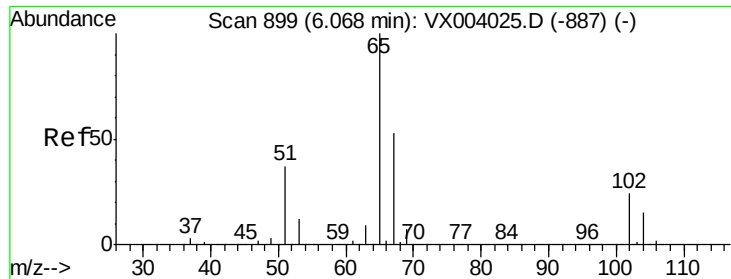
Delta R.T. -0.01 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

Tgt Ion:	97	Resp:	304996
Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.8	77.8
61	44.0	34.4	51.6





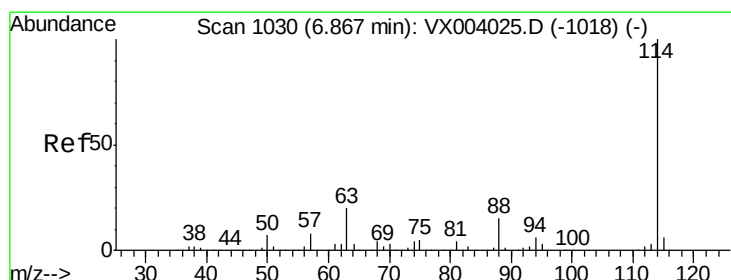
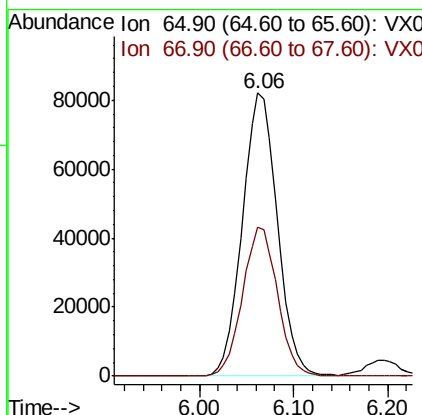
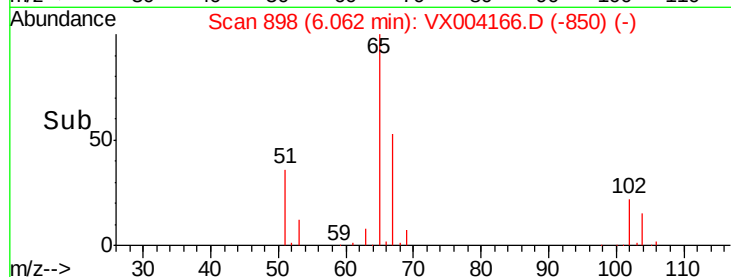
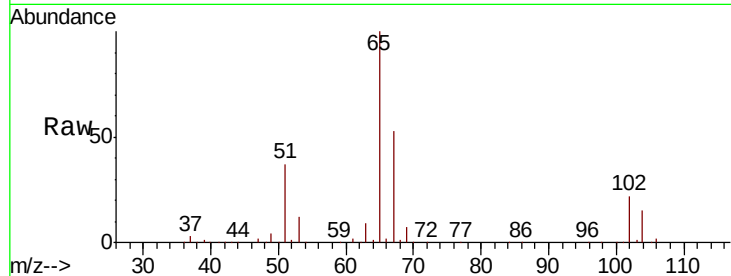
#33
 1,2-Dichloroethane-d4
 Concen: 44.10 ug/l
 RT: 6.06 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VX004166.D
 Acq: 21 Aug 2018 10:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 212546
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 105.8

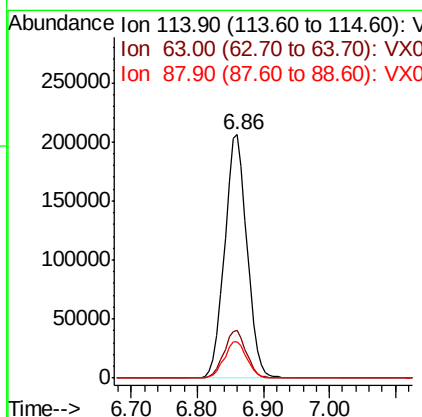
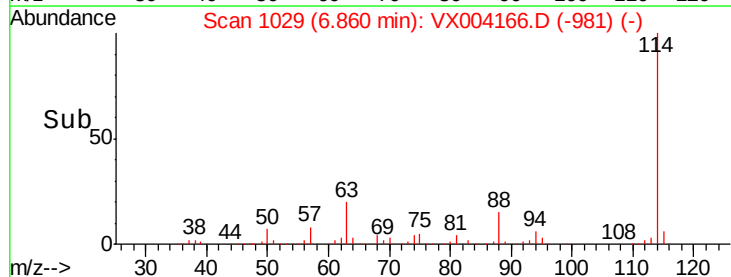
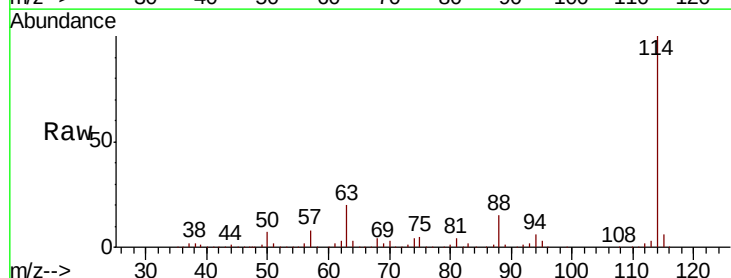
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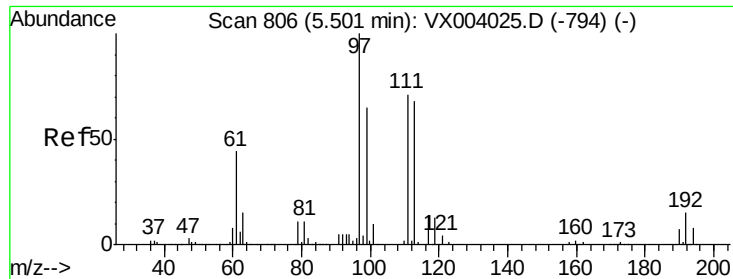
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX004166.D
 Acq: 21 Aug 2018 10:20

Tgt Ion: 114 Resp: 481994
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.0
 88 15.0 0.0 32.0





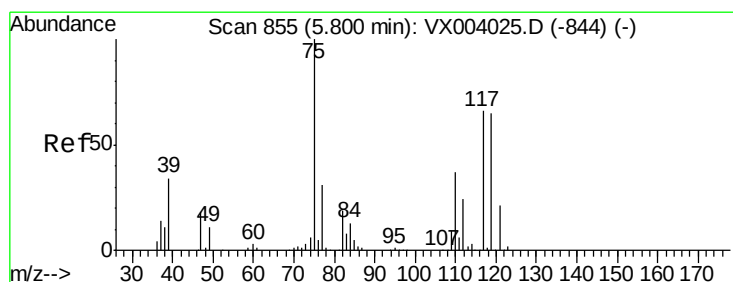
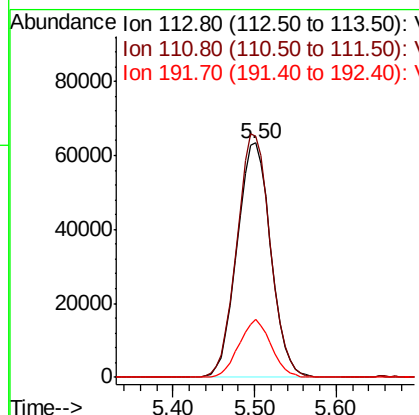
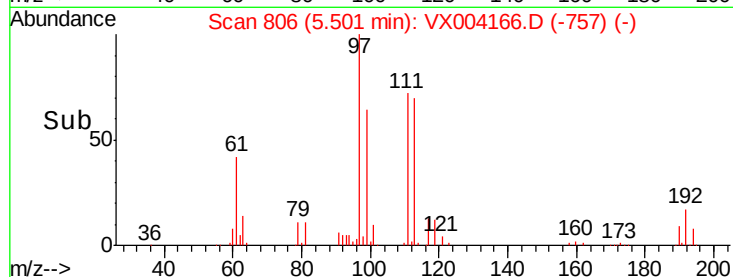
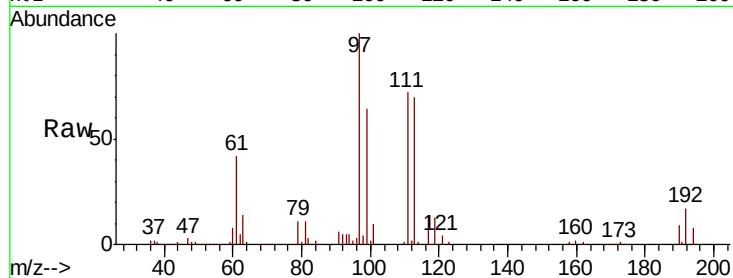
#35
 Dibromofluoromethane
 Concen: 50.45 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004166.D
 Acq: 21 Aug 2018 10:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	181977		
111	103.0	82.0	123.0	
192	23.6	19.0	28.4	

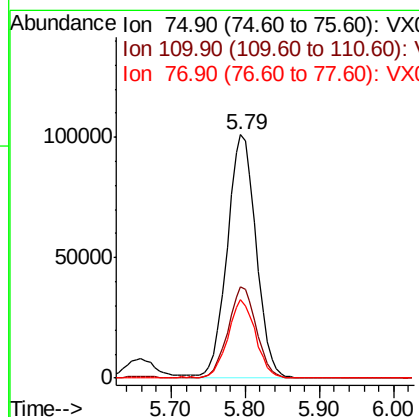
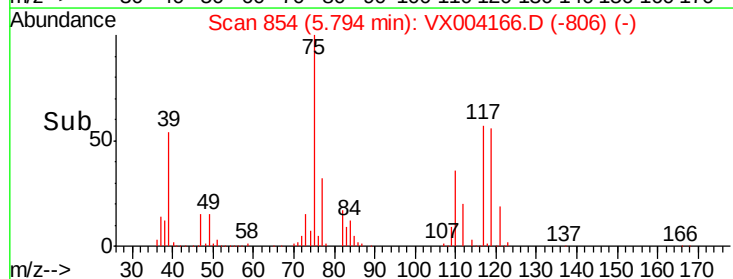
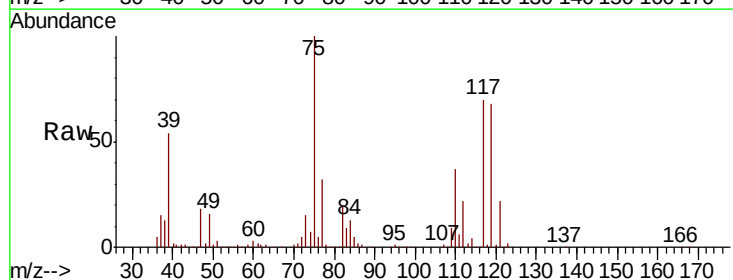
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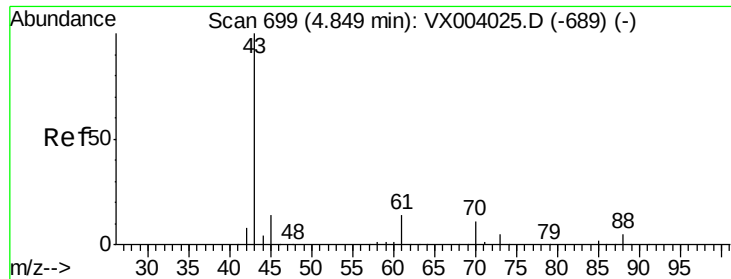
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 49.81 ug/l
 RT: 5.79 min Scan# 854
 Delta R.T. -0.01 min
 Lab File: VX004166.D
 Acq: 21 Aug 2018 10:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	273176		
110	36.9	18.2	54.6	
77	31.1	25.0	37.4	





#37

Ethyl Acetate

Concen: 44.83 ug/l

RT: 4.85 min Scan# 700

Delta R.T. 0.01 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_X

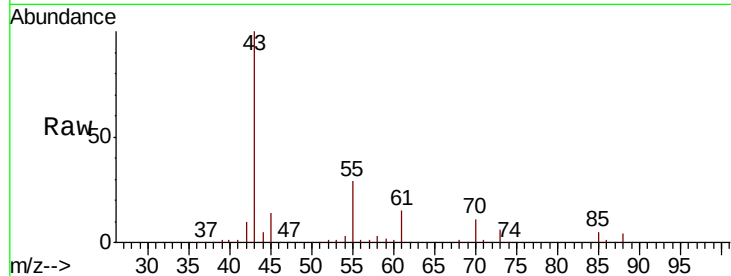
ClientSampleId :

VSTDCCC050

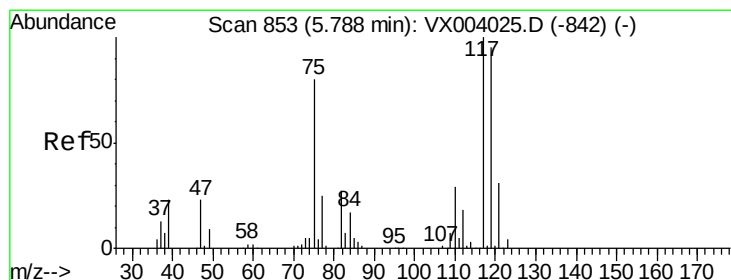
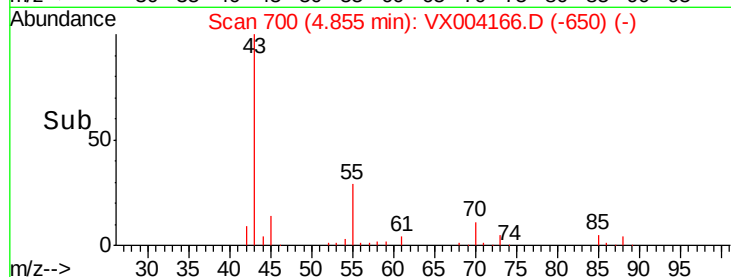
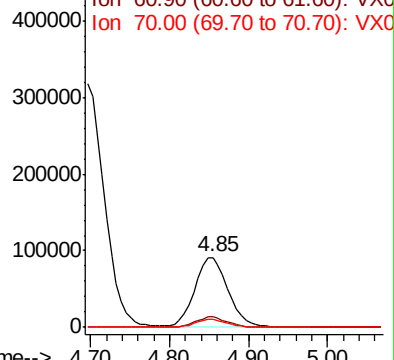
Tot Ion:	43	Resp:	267785
Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.5	17.3
70	11.2	9.0	13.4

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VX004025.D (-689) (-)



#38

Carbon Tetrachloride

Concen: 50.55 ug/l

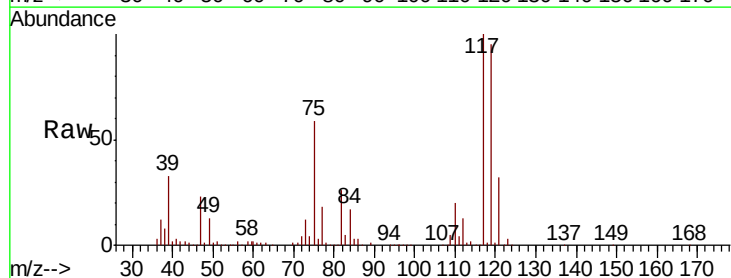
RT: 5.78 min Scan# 851

Delta R.T. -0.01 min

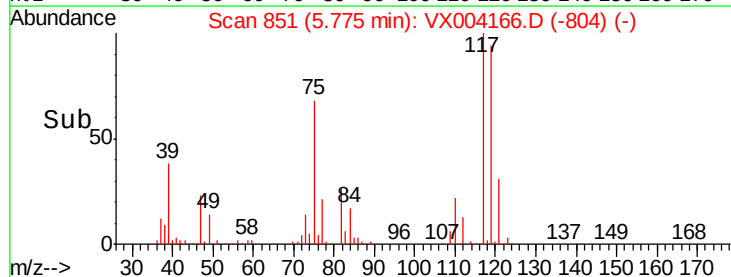
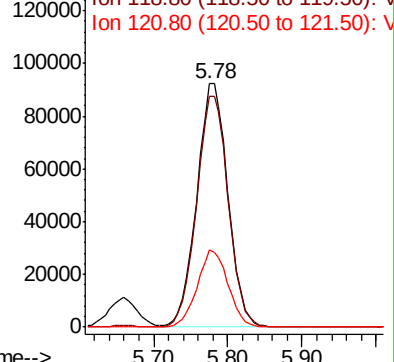
Lab File: VX004166.D

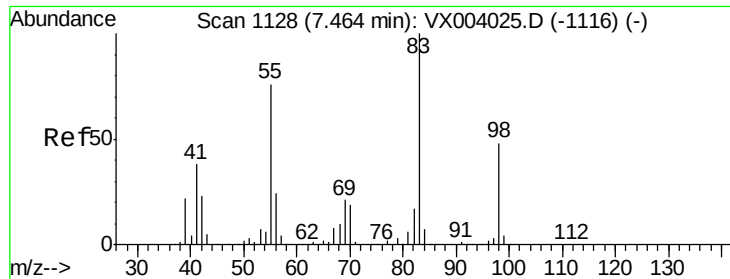
Acq: 21 Aug 2018 10:20

Tgt Ion:	117	Resp:	269381
Ion	Ratio	Lower	Upper
117	100		
119	94.7	79.5	119.3
121	31.6	25.0	37.4



Abundance Ion 116.80 (116.50 to 117.50): VX004025.D (-842) (-)





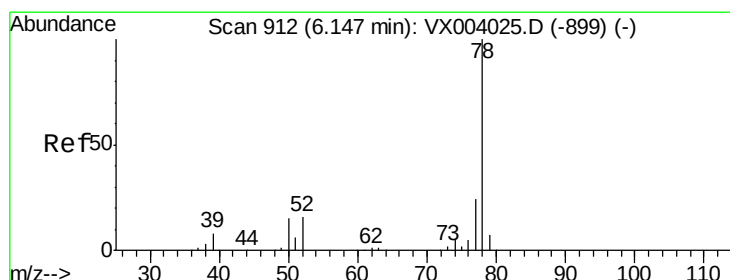
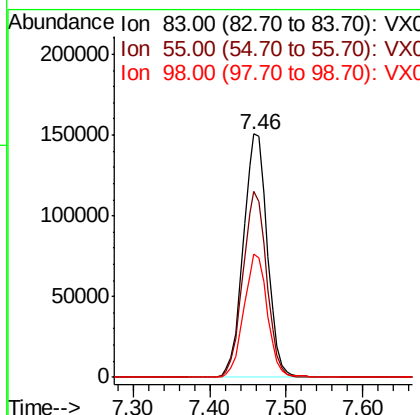
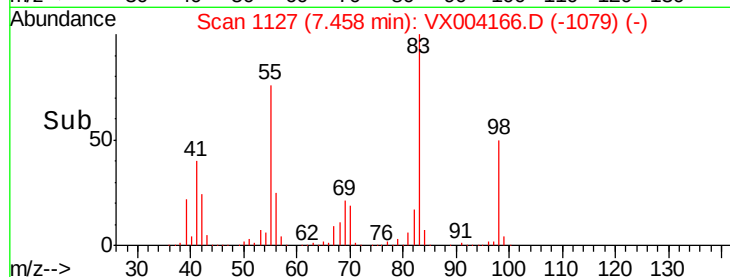
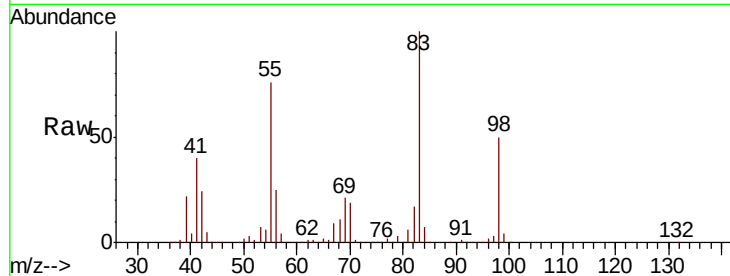
#39
Methvlcvclohexane
Concen: 52.64 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VX004166.D
Acq: 21 Aug 2018 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	76.2	61.0	91.6	
98	50.4	38.6	57.8	

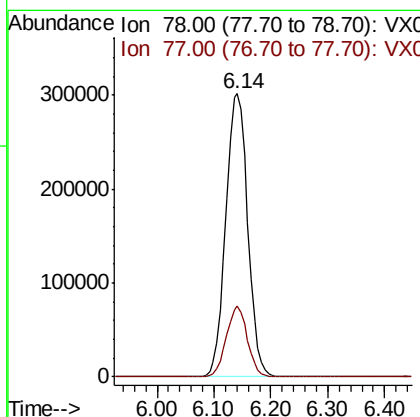
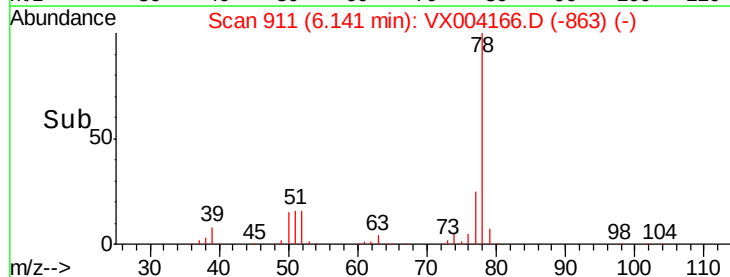
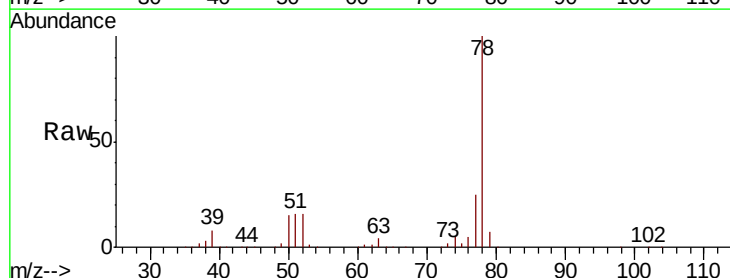
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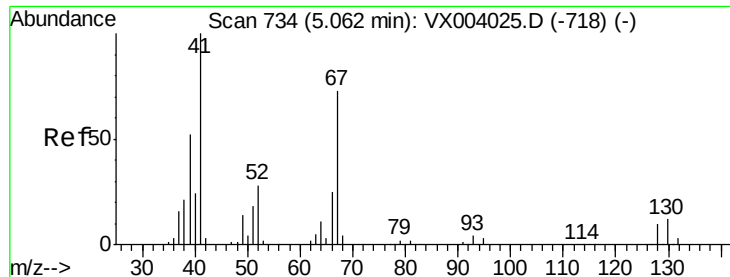
MMDadoda
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#40
Benzene
Concen: 49.21 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.01 min
Lab File: VX004166.D
Acq: 21 Aug 2018 10:20

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.9	19.0	28.4	





#41

Methacrylonitrile

Concen: 46.16 ug/l

RT: 5.06 min Scan# 733

Delta R.T. -0.01 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 154403

Ion Ratio Lower Upper

41 100

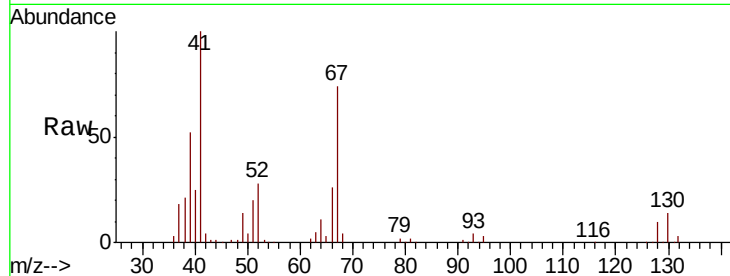
39 52.1 42.7 64.1

67 74.0 58.9 88.3

52 28.8 22.6 33.8

Manual Integrations
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MMDadoda
8/22/2018 11:16:45 AM



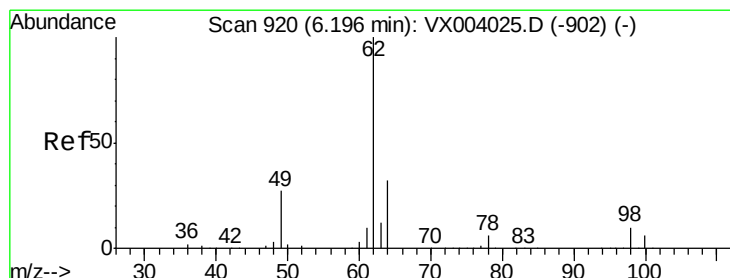
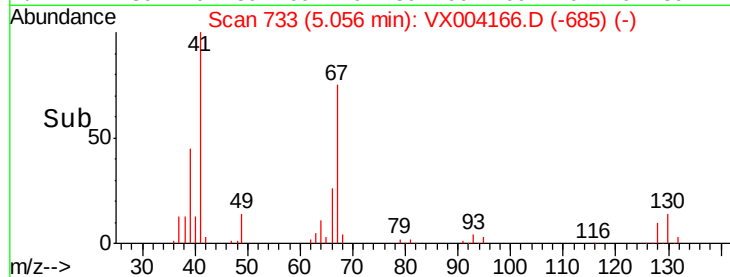
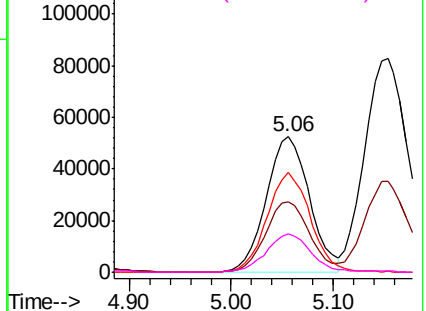
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 48.43 ug/l

RT: 6.20 min Scan# 920

Delta R.T. -0.00 min

Lab File: VX004166.D

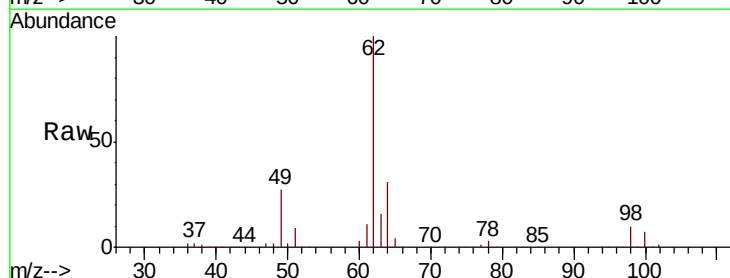
Acq: 21 Aug 2018 10:20

Tgt Ion: 62 Resp: 279218

Ion Ratio Lower Upper

62 100

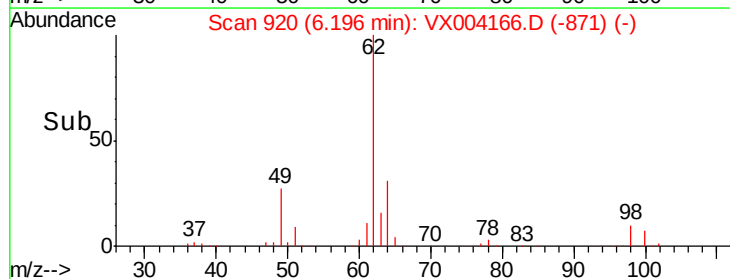
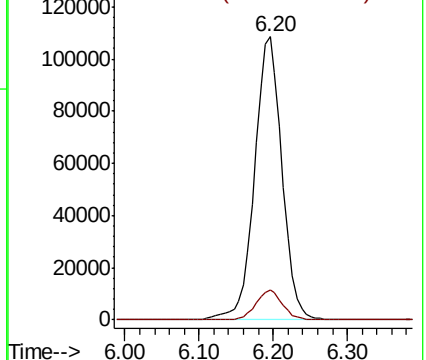
98 10.1 0.0 20.4

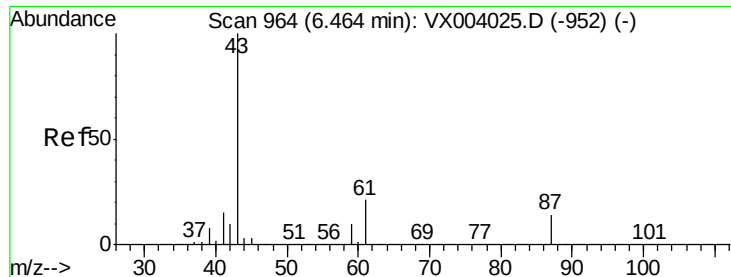


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 46.81 ug/l

RT: 6.46 min Scan# 963

Delta R.T. -0.01 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_X

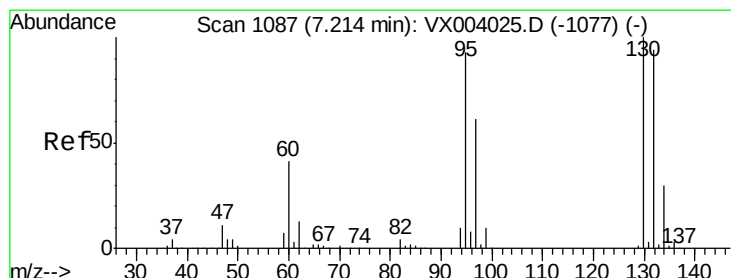
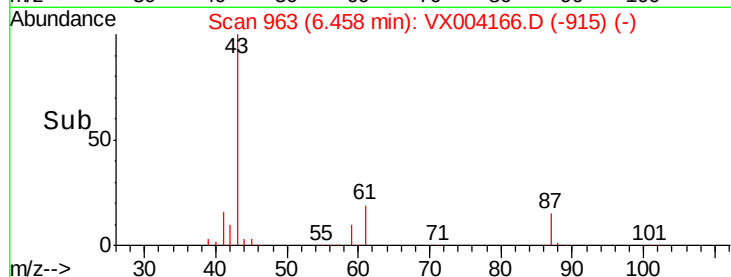
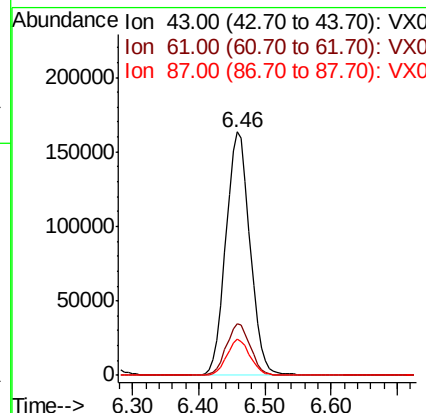
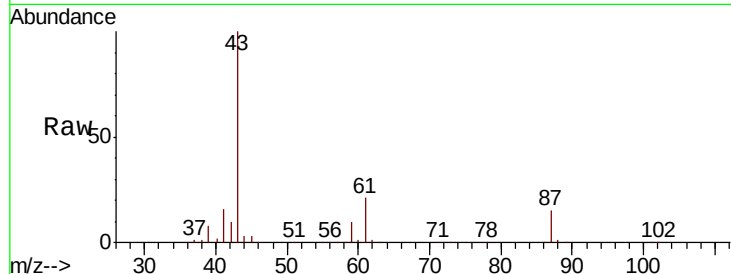
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	412130
Ion	Ratio	Lower	Upper
43	100		
61	21.1	16.9	25.3
87	14.2	11.3	16.9

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#44

Trichloroethene

Concen: 49.83 ug/l

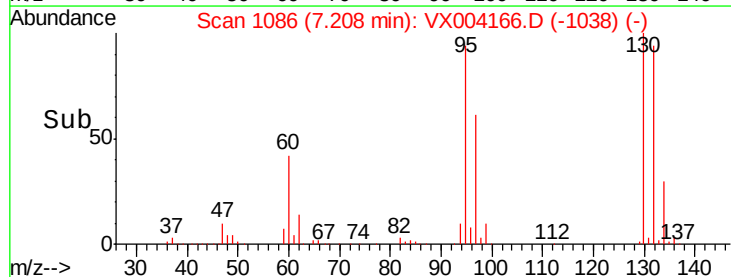
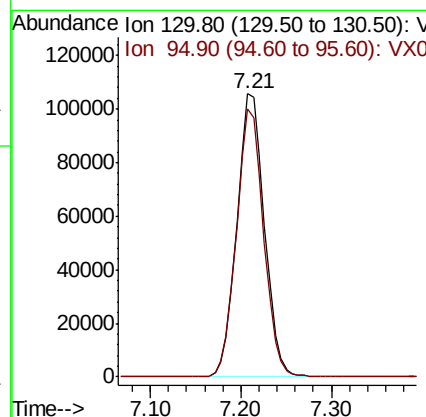
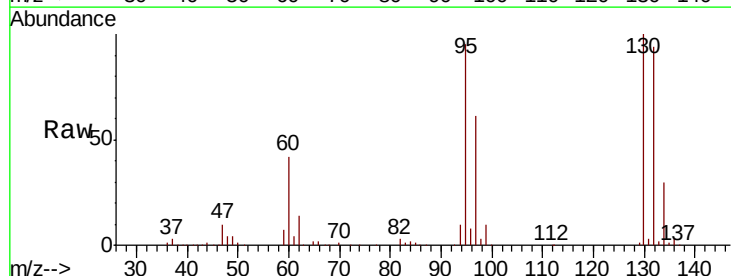
RT: 7.21 min Scan# 1086

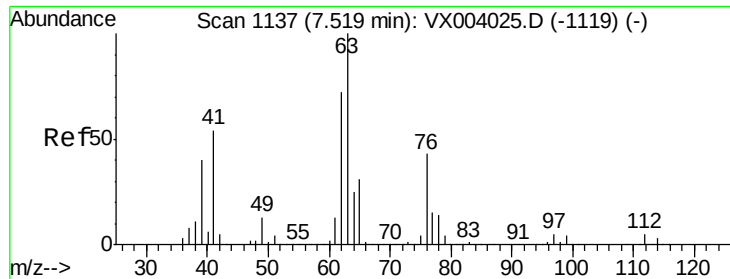
Delta R.T. -0.01 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

Tgt Ion:	130	Resp:	222779
Ion	Ratio	Lower	Upper
130	100		
95	94.6	0.0	199.4





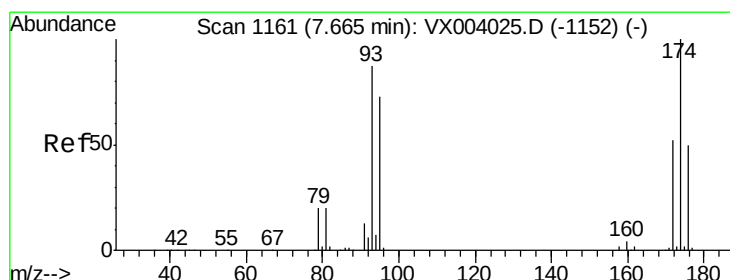
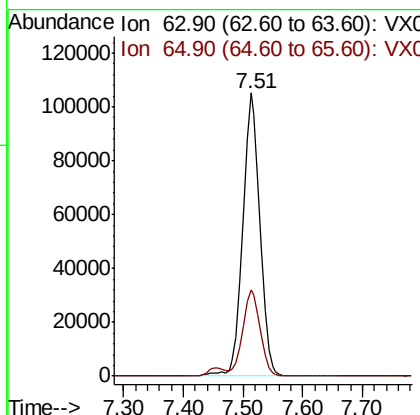
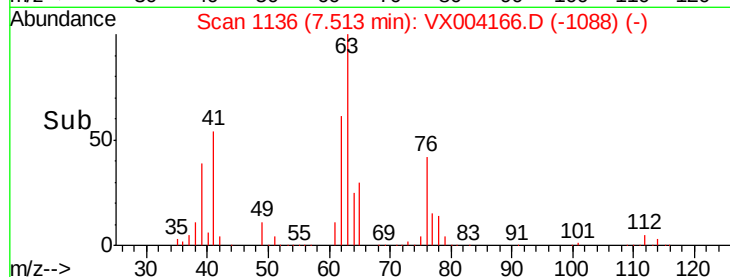
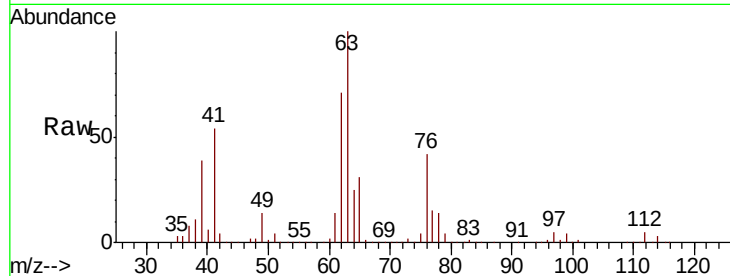
#45
 1,2-Dichloropropane
 Concen: 50.27 ug/l
 RT: 7.51 min Scan# 1136
 Delta R.T. -0.01 min
 Lab File: VX004166.D
 Acq: 21 Aug 2018 10:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	24.6	36.8

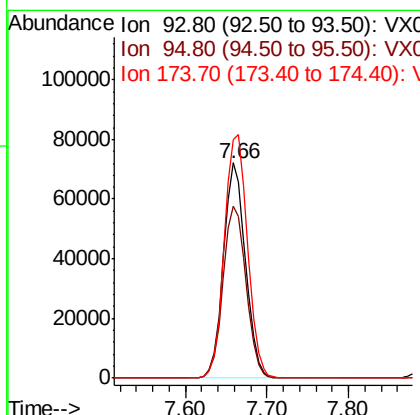
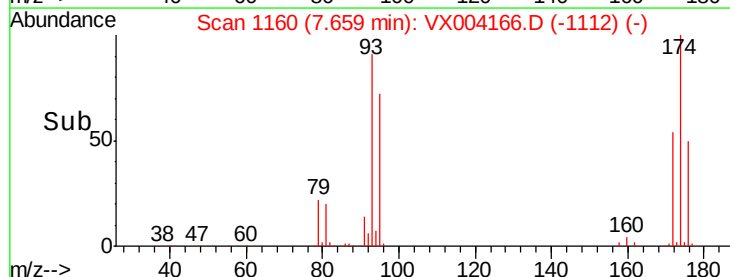
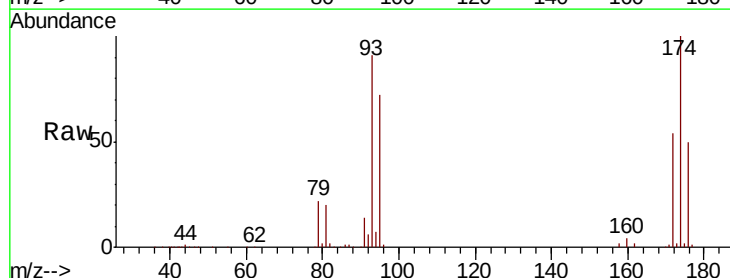
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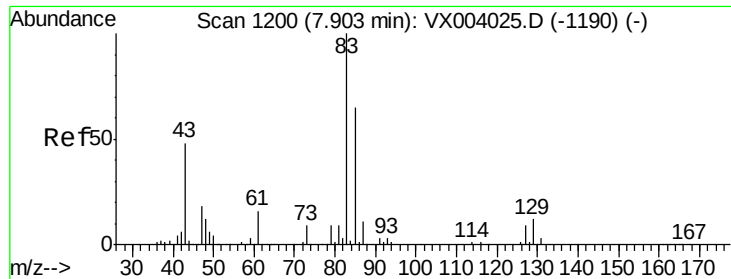
MMDadoda
 8/22/2018 11:16:45 AM



#46
 Dibromomethane
 Concen: 48.75 ug/l
 RT: 7.66 min Scan# 1160
 Delta R.T. -0.01 min
 Lab File: VX004166.D
 Acq: 21 Aug 2018 10:20

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.8	66.4	99.6
174	118.6	94.3	141.5





#47

Bromodichloromethane

Concen: 51.83 ug/l

RT: 7.90 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_X

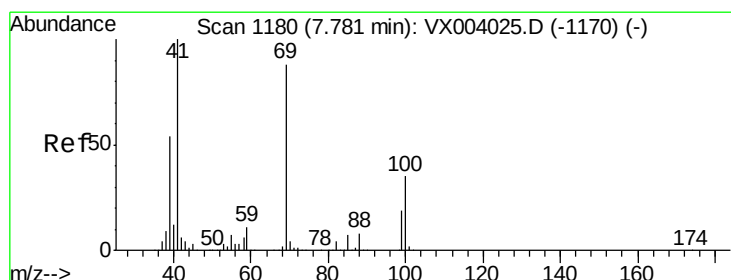
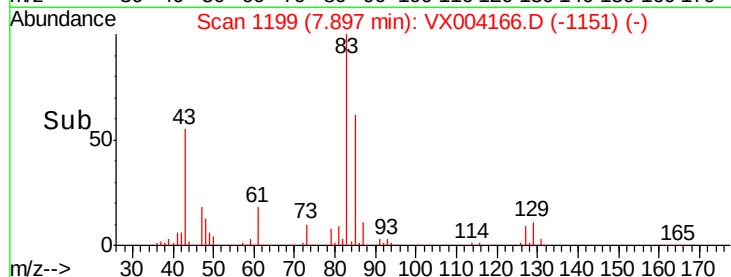
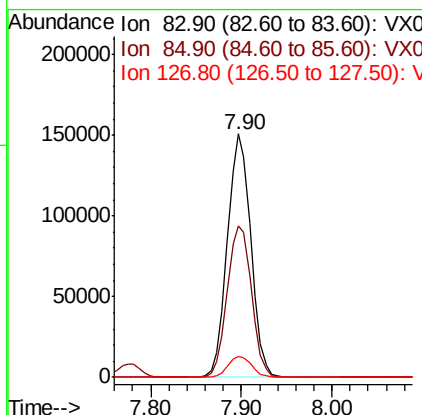
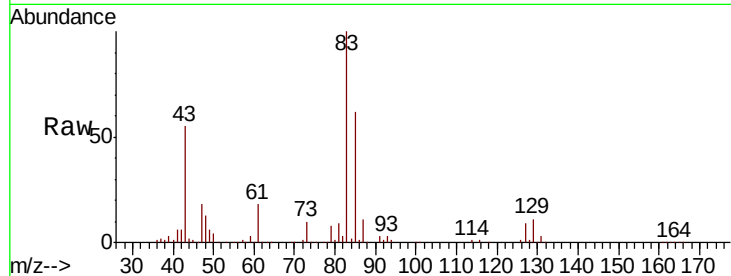
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	270448
Ion Ratio	Lower	Upper	
83	100		
85	62.2	51.2	76.8
127	8.7	7.2	10.8

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#48

Methyl methacrylate

Concen: 50.26 ug/l

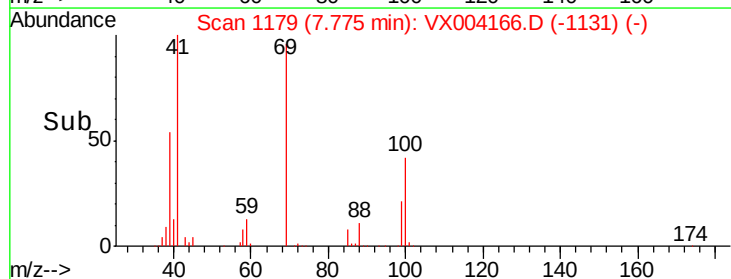
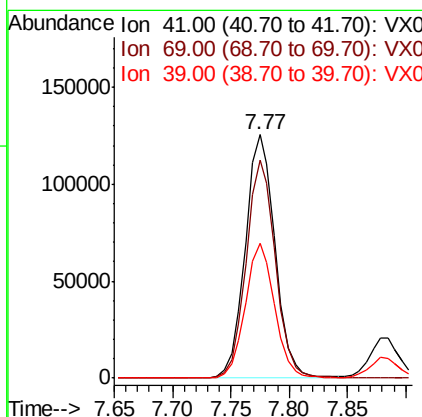
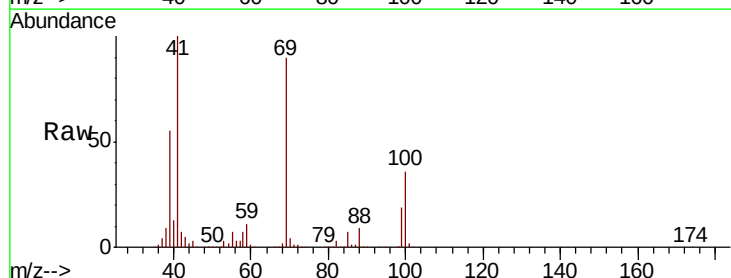
RT: 7.77 min Scan# 1179

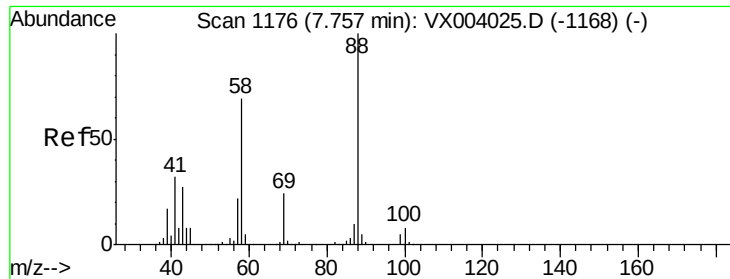
Delta R.T. -0.01 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

Tgt Ion:	41	Resp:	222756
Ion Ratio	Lower	Upper	
41	100		
69	88.7	68.8	103.2
39	54.6	42.3	63.5





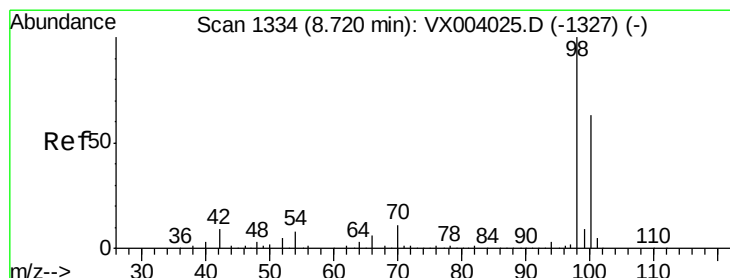
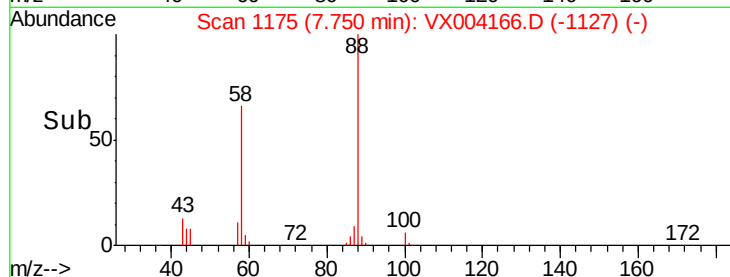
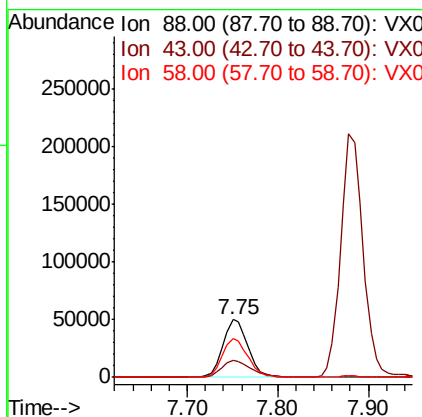
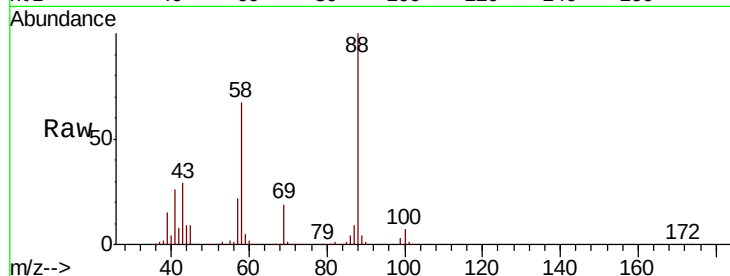
#49
1,4-Dioxane
Concen: 956.40 ug/l
RT: 7.75 min Scan# 1175
Delta R.T. -0.01 min
Lab File: VX004166.D
Acq: 21 Aug 2018 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.0	23.8	35.8
58	69.6	55.4	83.0

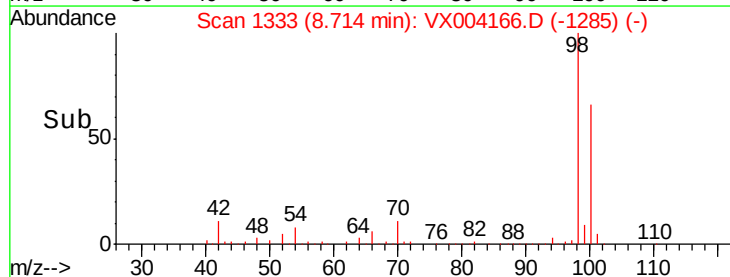
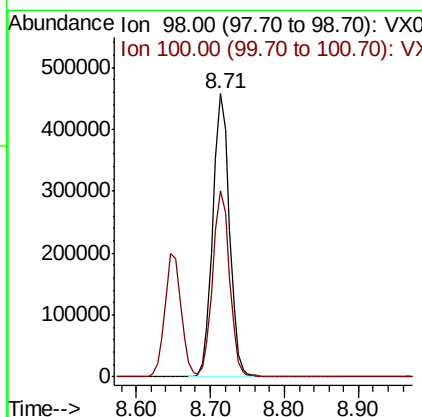
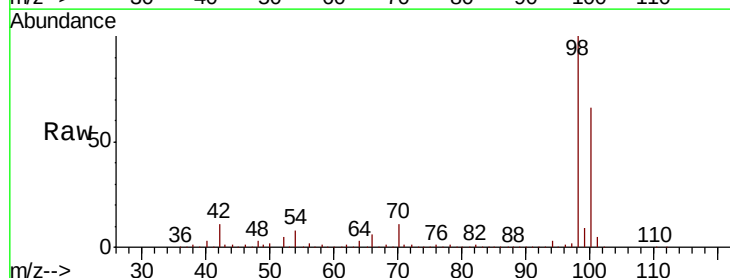
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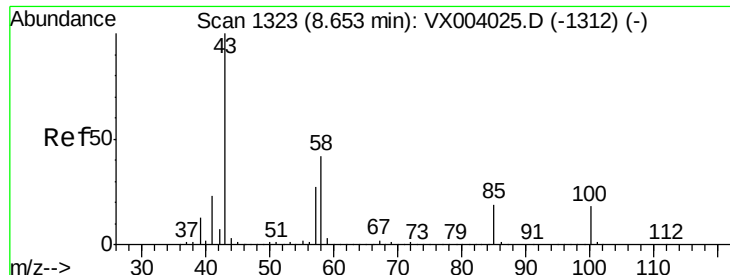
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#50
Toluene-d8
Concen: 47.90 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.01 min
Lab File: VX004166.D
Acq: 21 Aug 2018 10:20

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.3	79.9





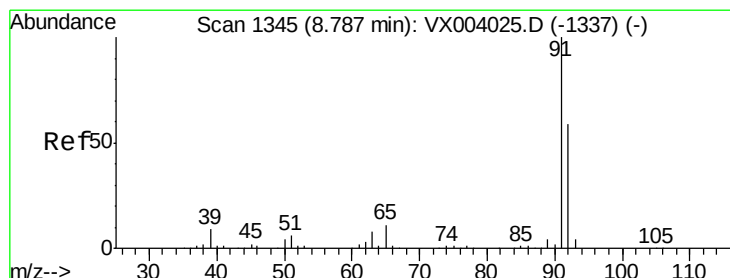
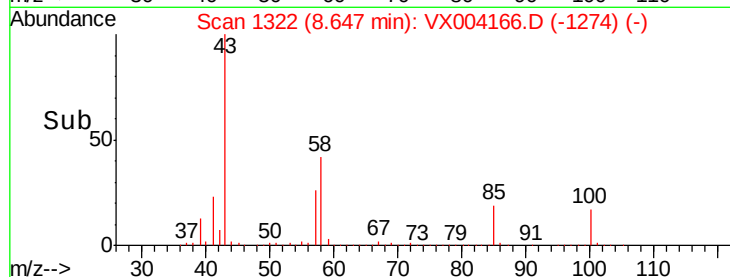
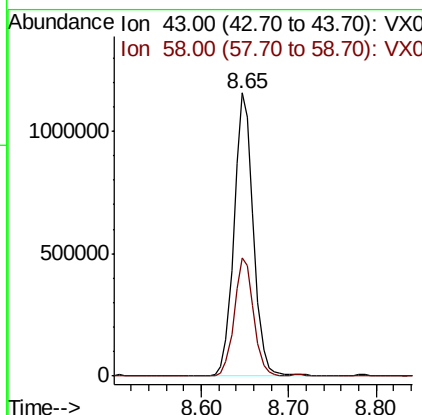
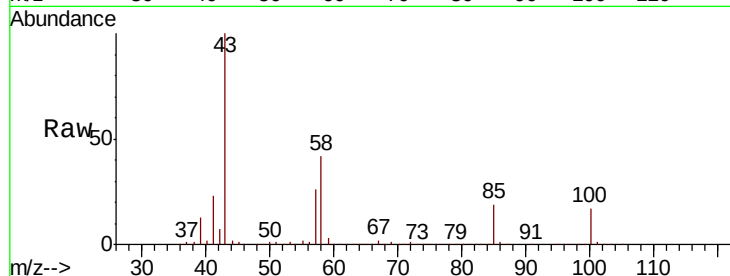
#51
4-Methyl-2-Pentanone
Concen: 247.65 ug/l
RT: 8.65 min Scan# 1322
Delta R.T. -0.01 min
Lab File: VX004166.D
Acq: 21 Aug 2018 10:20

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 1787729
Ion Ratio Lower Upper
43 100
58 41.5 33.0 49.6

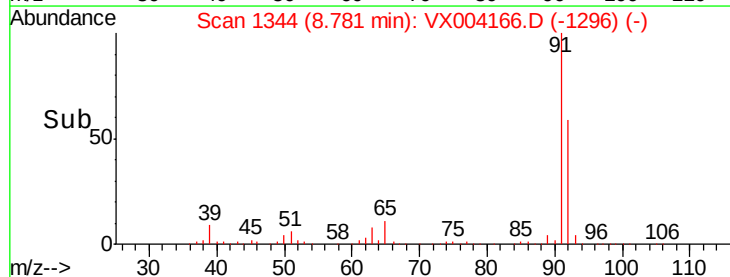
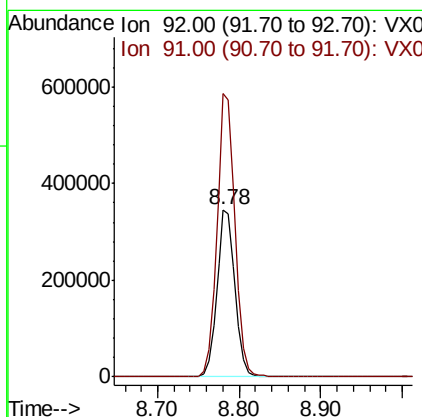
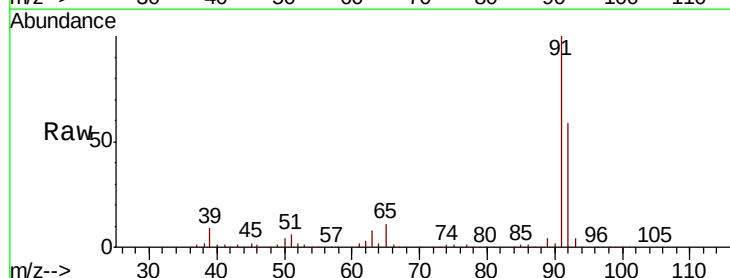
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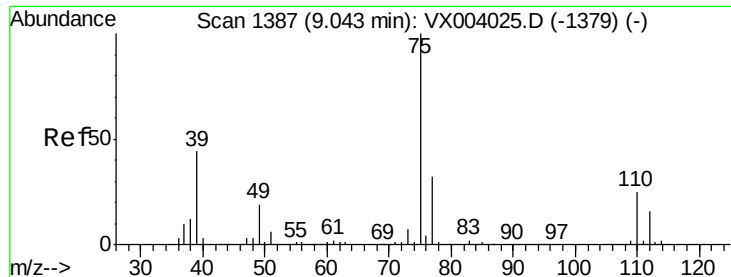
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#52
Toluene
Concen: 51.20 ug/l
RT: 8.78 min Scan# 1344
Delta R.T. -0.01 min
Lab File: VX004166.D
Acq: 21 Aug 2018 10:20

Tgt Ion: 92 Resp: 533246
Ion Ratio Lower Upper
92 100
91 169.9 136.1 204.1





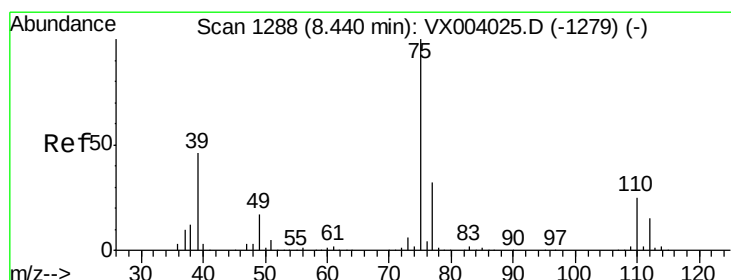
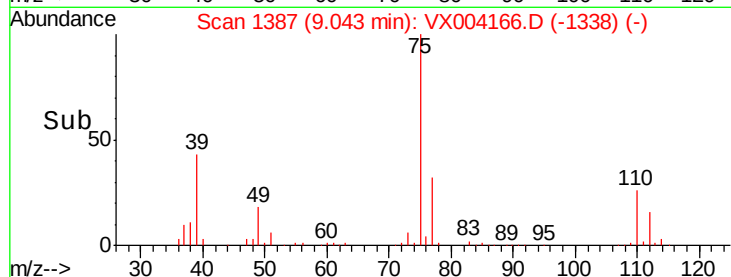
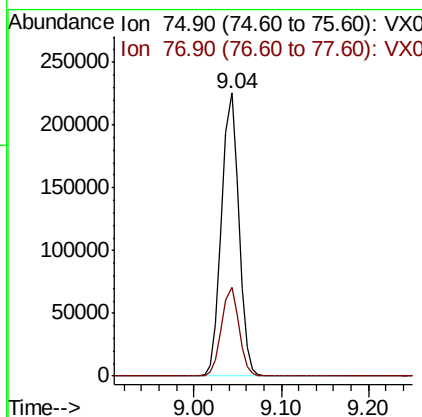
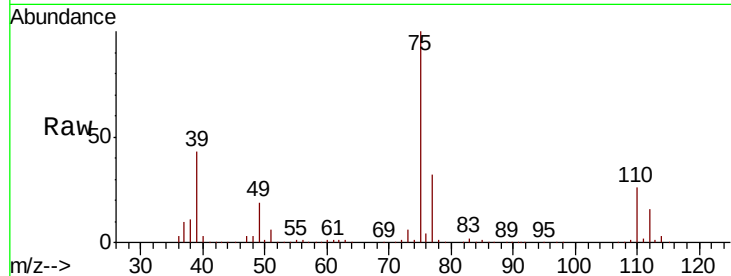
#53
 t-1,3-Dichloropropene
 Concen: 54.84 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.00 min
 Lab File: VX004166.D
 Acq: 21 Aug 2018 10:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 309138
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.1 37.7

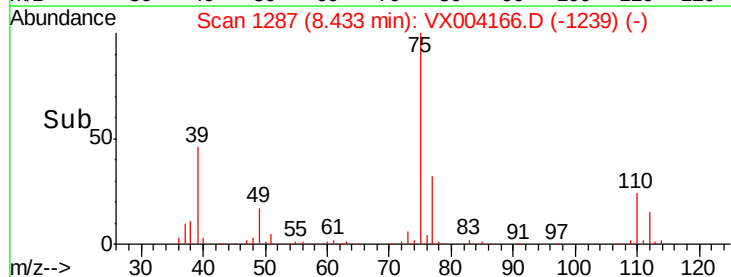
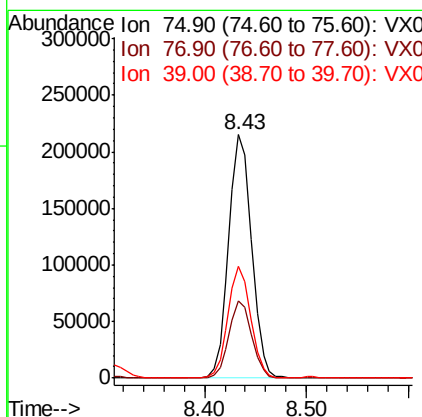
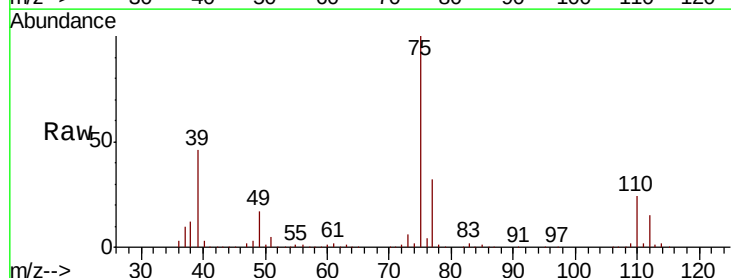
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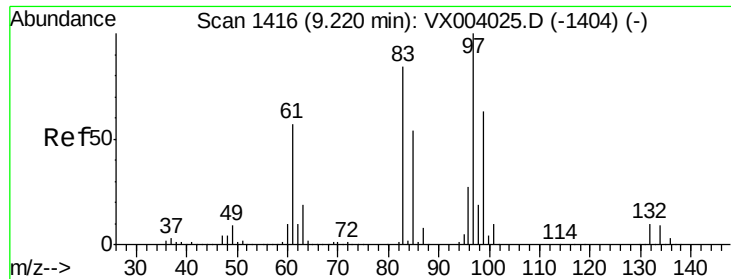
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#54
 cis-1,3-Dichloropropene
 Concen: 53.54 ug/l
 RT: 8.43 min Scan# 1287
 Delta R.T. -0.01 min
 Lab File: VX004166.D
 Acq: 21 Aug 2018 10:20

Tgt Ion: 75 Resp: 334256
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.3 37.9
 39 46.0 36.2 54.2





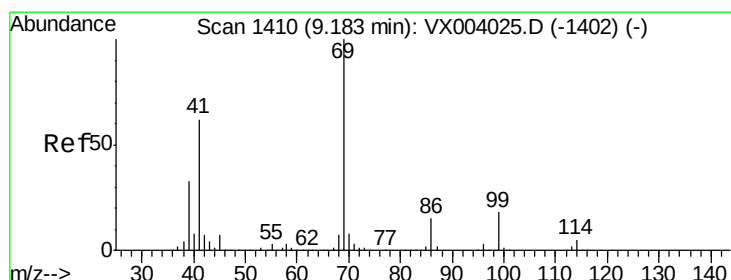
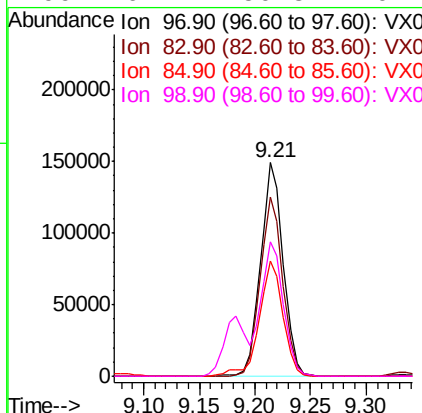
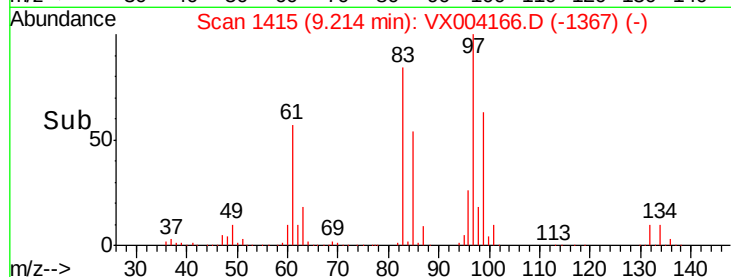
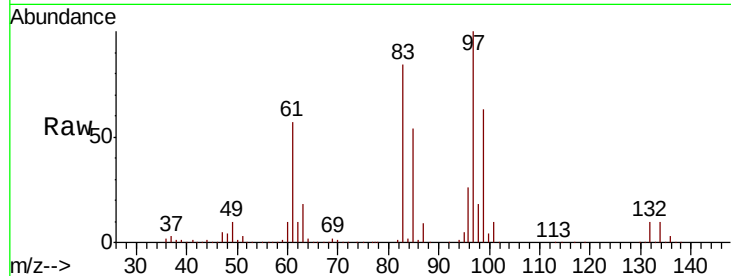
#55
 1,1,2-Trichloroethane
 Concen: 49.39 ug/l
 RT: 9.21 min Scan# 1415
 Delta R.T. -0.01 min
 Lab File: VX004166.D
 Acq: 21 Aug 2018 10:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	212423
Ion	Ratio	Lower	Upper
97	100		
83	84.1	67.8	101.6
85	54.0	44.2	66.2
99	62.7	50.8	76.2

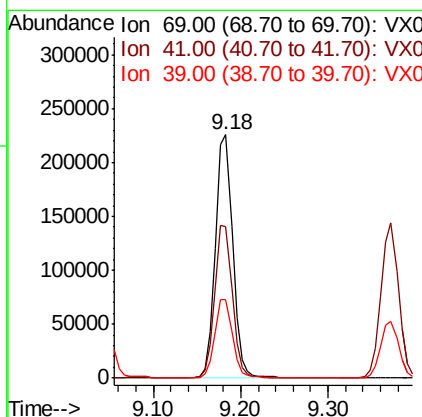
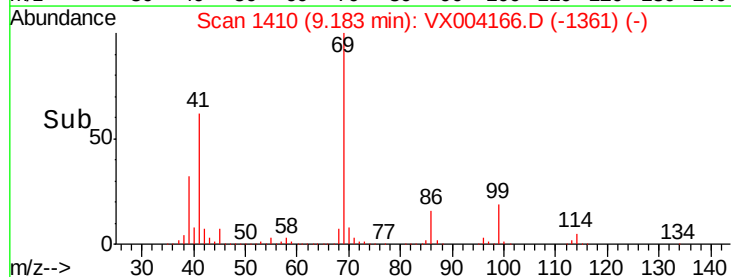
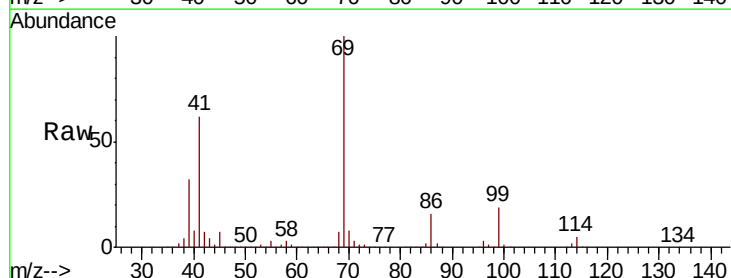
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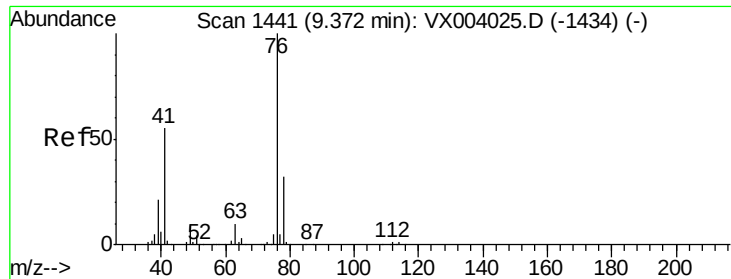
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#56
 Ethyl methacrylate
 Concen: 53.21 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX004166.D
 Acq: 21 Aug 2018 10:20

Tgt Ion:	69	Resp:	311251
Ion	Ratio	Lower	Upper
69	100		
41	63.9	50.6	76.0
39	32.8	25.8	38.6





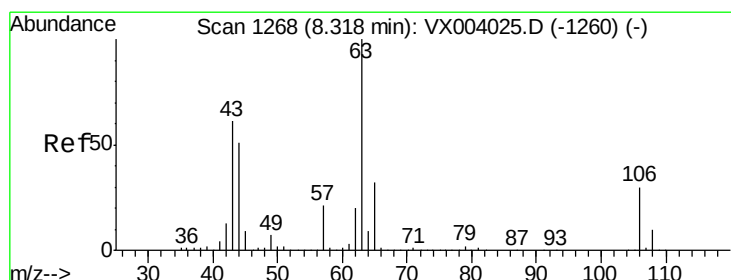
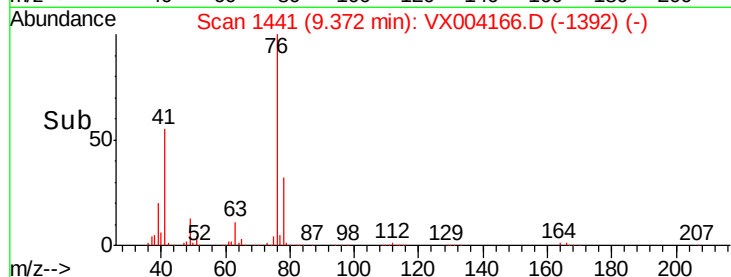
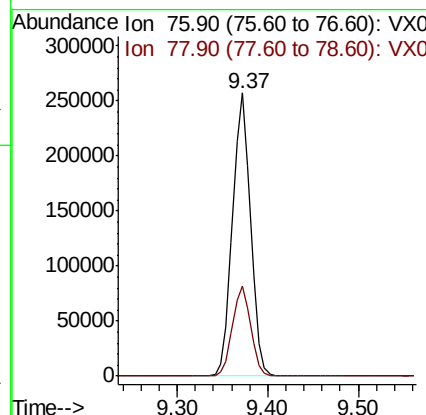
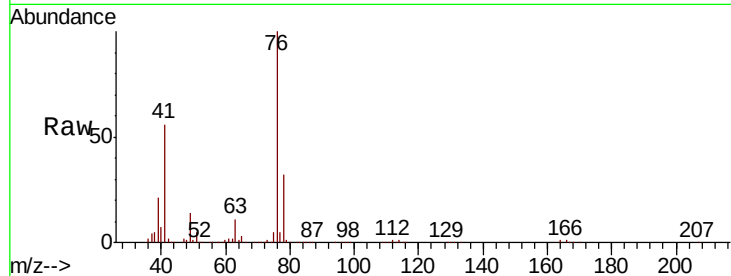
#57
 1,3-Dichloropropane
 Concen: 50.00 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VX004166.D
 Acq: 21 Aug 2018 10:20

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion: 76 Resp: 356853
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.9 38.9

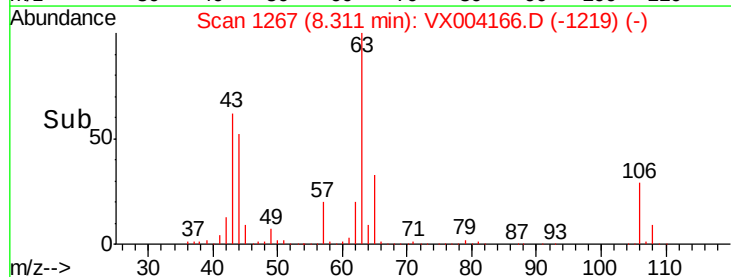
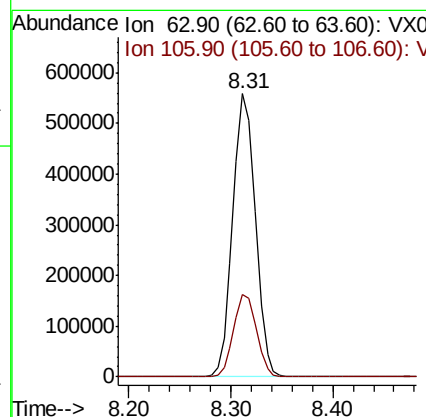
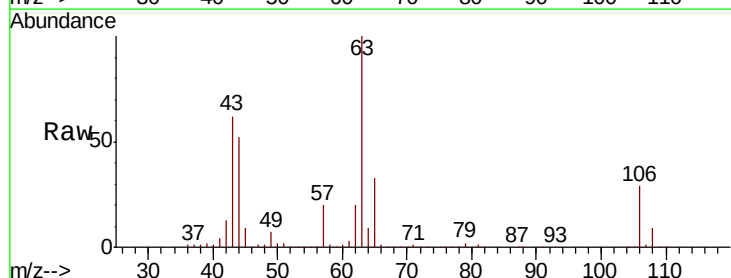
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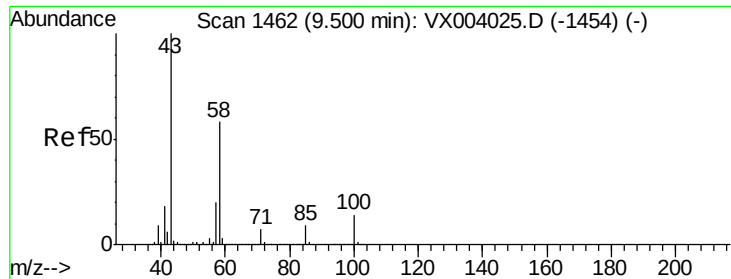
MMDadoda
 8/22/2018 11:16:45 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 287.02 ug/l
 RT: 8.31 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: VX004166.D
 Acq: 21 Aug 2018 10:20

Tgt Ion: 63 Resp: 854857
 Ion Ratio Lower Upper
 63 100
 106 29.8 23.8 35.8





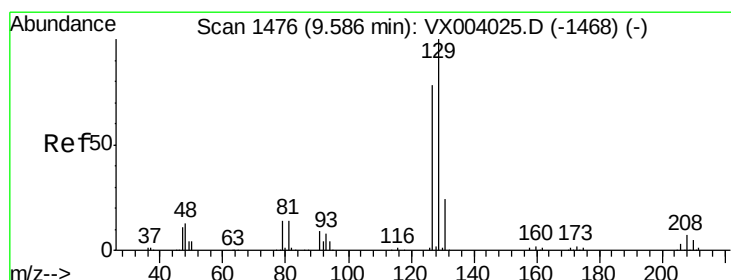
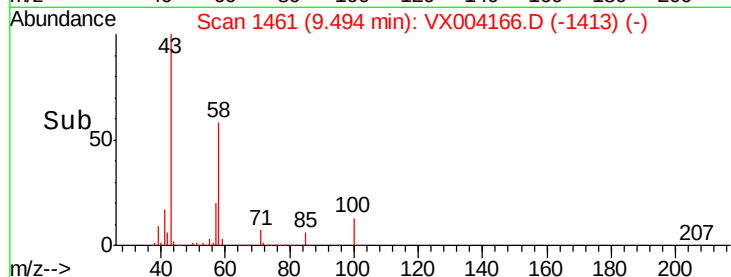
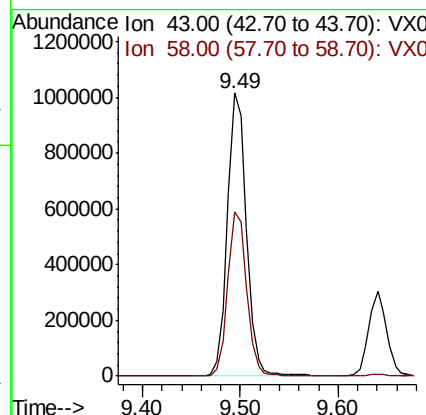
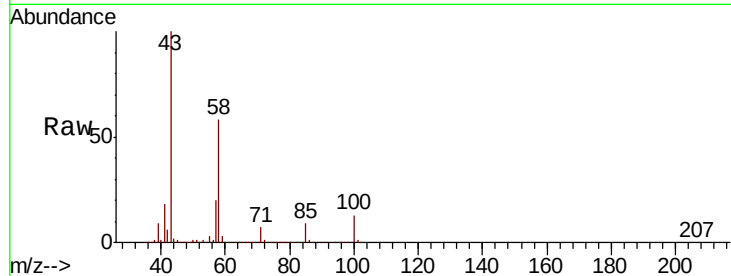
#59
2-Hexanone
Concen: 252.80 ug/l
RT: 9.49 min Scan# 1461
Delta R.T. -0.01 min
Lab File: VX004166.D
Acq: 21 Aug 2018 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1373426
Ion Ratio Lower Upper
43 100
58 58.2 29.0 87.0

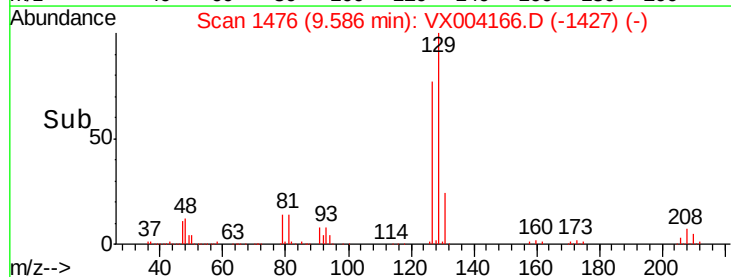
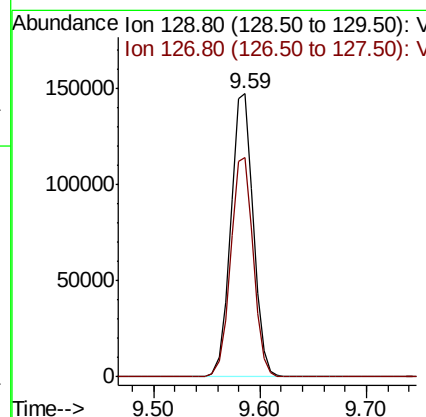
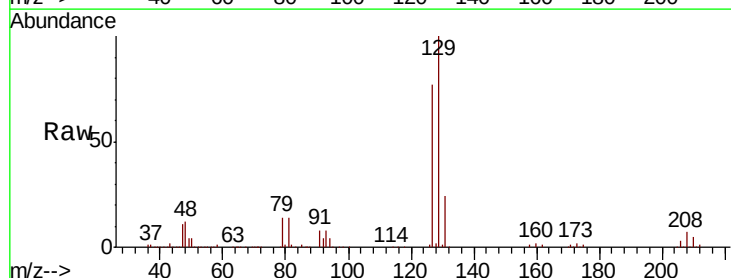
Manual Integrations
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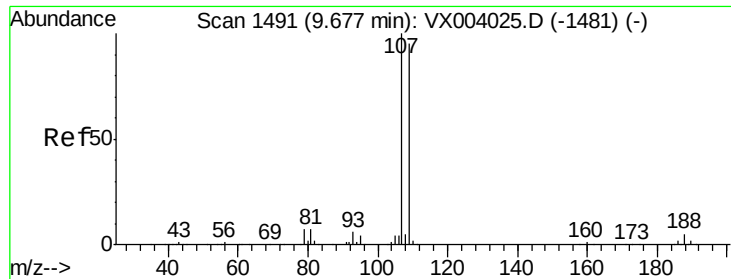
MMDadoda
8/22/2018 11:16:45 AM



#60
Dibromochloromethane
Concen: 52.48 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX004166.D
Acq: 21 Aug 2018 10:20

Tgt Ion: 129 Resp: 217244
Ion Ratio Lower Upper
129 100
127 77.7 38.8 116.3





#61

1,2-Dibromoethane

Concen: 50.39 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.01 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 220969

Ion Ratio Lower Upper

107 100

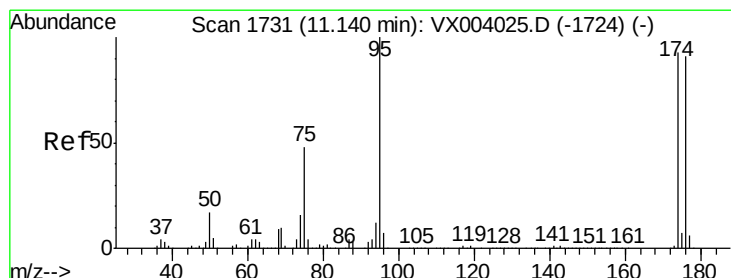
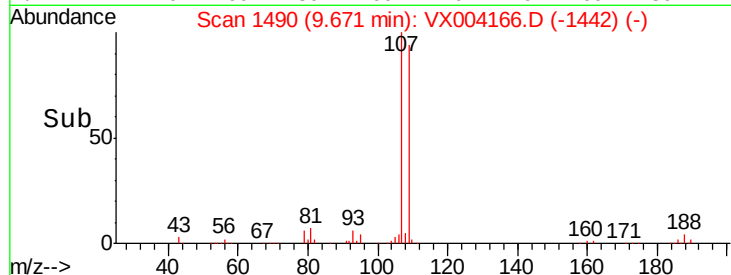
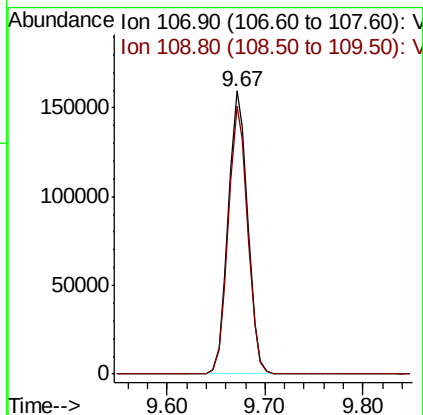
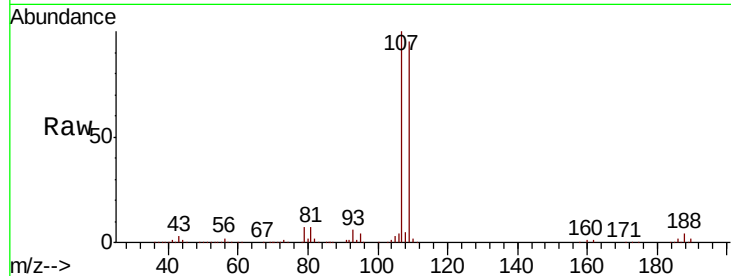
109 94.4 75.8 113.8

Manual Integrations

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MMDadoda

8/22/2018 11:16:45 AM



#62

4-Bromofluorobenzene

Concen: 48.46 ug/l

RT: 11.13 min Scan# 1730

Delta R.T. -0.01 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

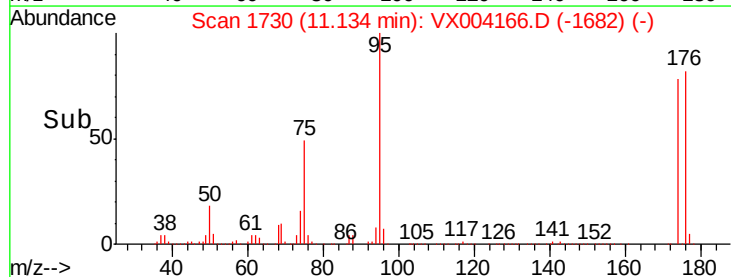
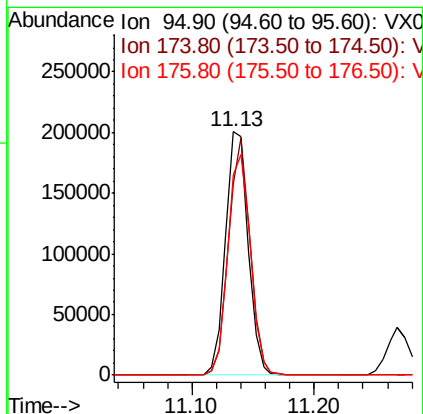
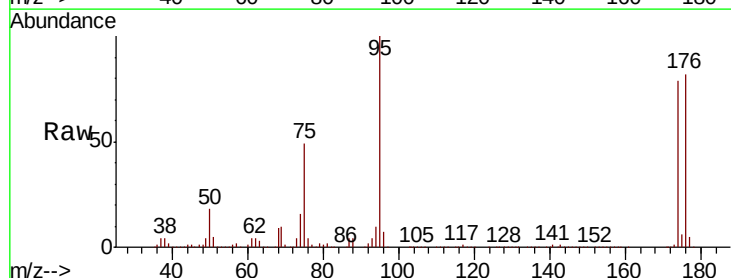
Tgt Ion: 95 Resp: 257066

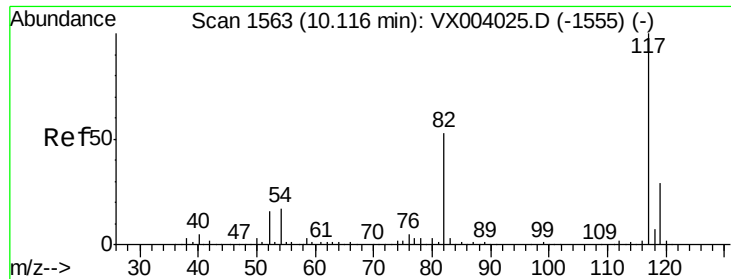
Ion Ratio Lower Upper

95 100

174 92.2 0.0 182.8

176 90.1 0.0 179.0





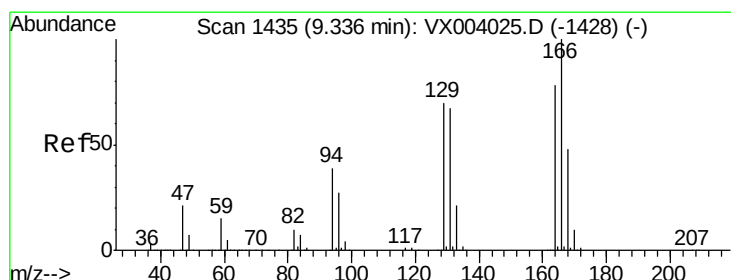
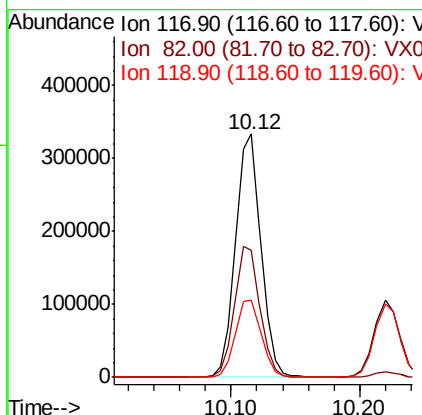
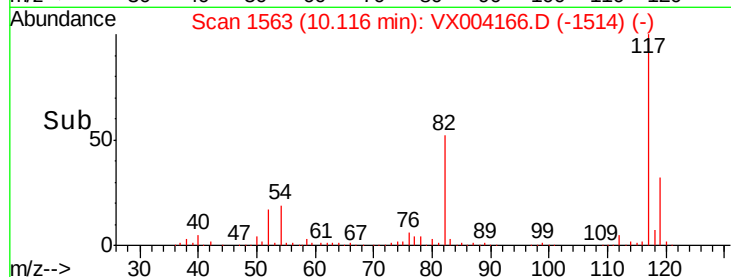
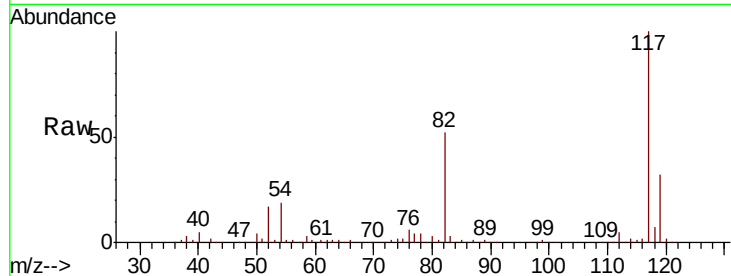
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004166.D
Acq: 21 Aug 2018 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	459710		
82	52.1	45.4	68.0	
119	31.6	26.6	40.0	

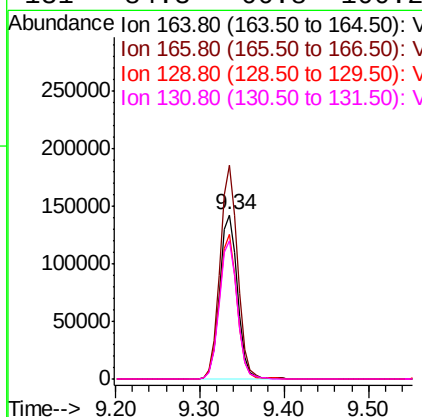
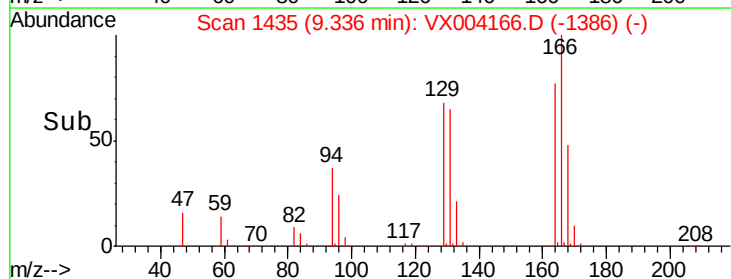
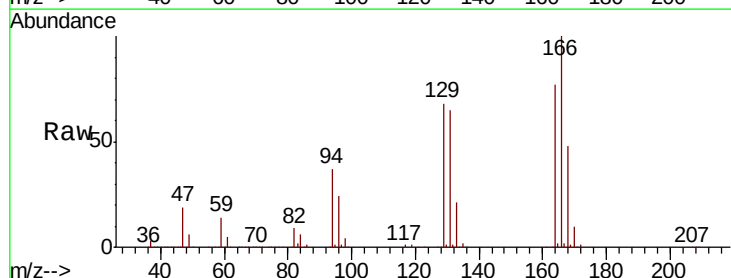
Manual Integrations
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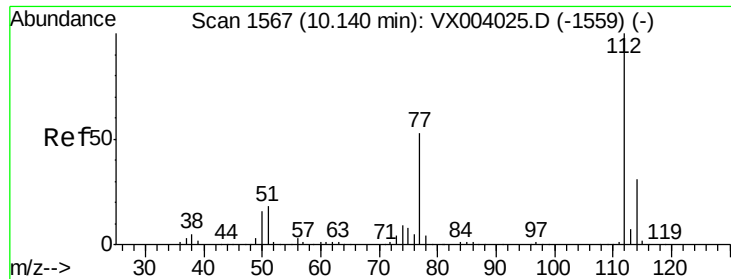
MMDadoda
8/22/2018 11:16:45 AM



#64
Tetrachloroethene
Concen: 48.44 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004166.D
Acq: 21 Aug 2018 10:20

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	211066		
166	130.0	98.0	147.0	
129	88.1	64.3	96.5	
131	84.3	66.8	100.2	





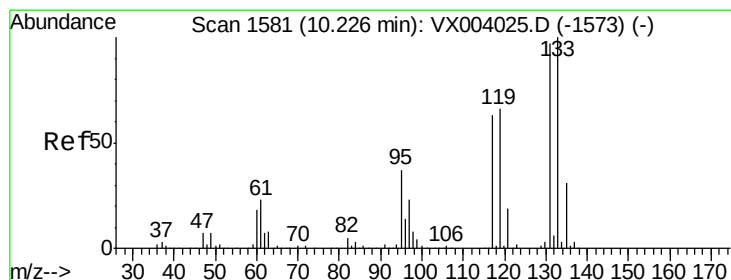
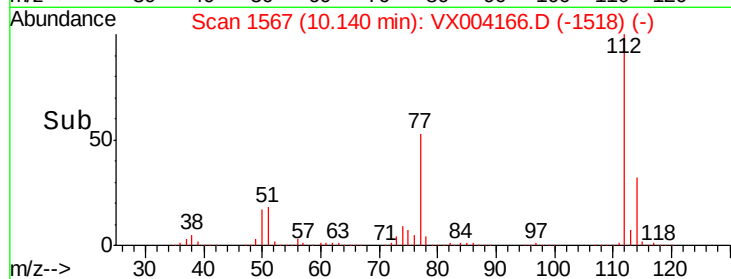
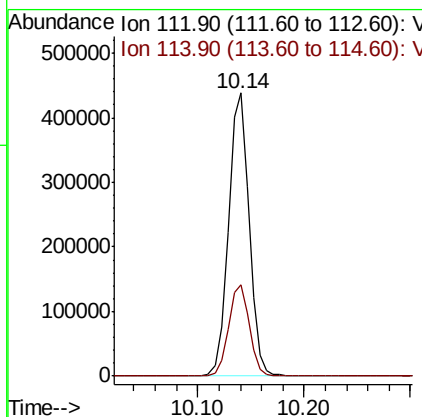
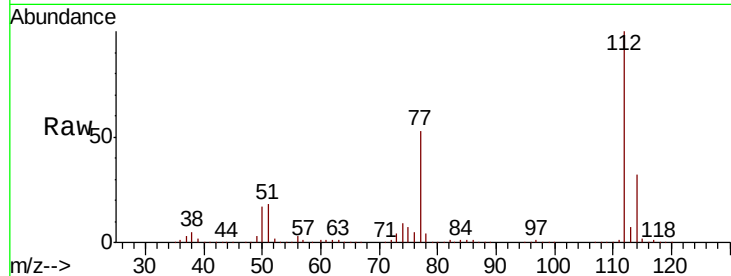
#65
Chlorobenzene
Concen: 50.08 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX004166.D
Acq: 21 Aug 2018 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 594696
Ion Ratio Lower Upper
112 100
114 32.2 23.6 35.4

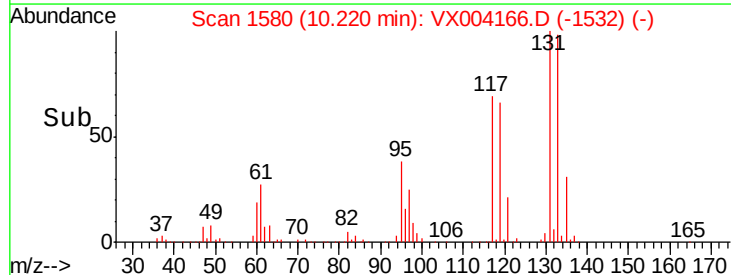
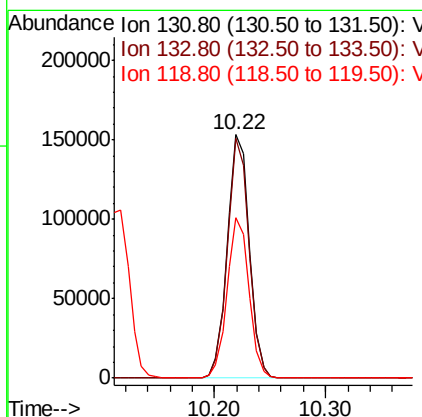
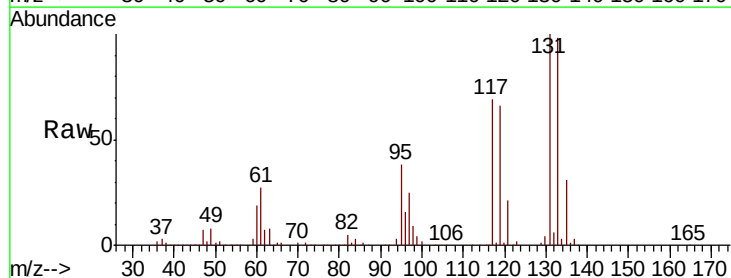
Manual Integrations
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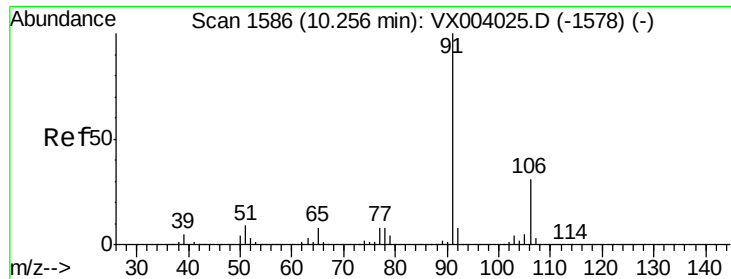
MMDadoda
8/22/2018 11:16:45 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.77 ug/l
RT: 10.22 min Scan# 1580
Delta R.T. -0.01 min
Lab File: VX004166.D
Acq: 21 Aug 2018 10:20

Tgt Ion:131 Resp: 209660
Ion Ratio Lower Upper
131 100
133 96.6 47.3 141.8
119 65.3 31.6 94.8





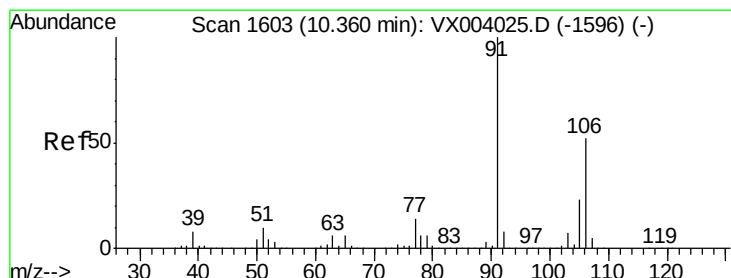
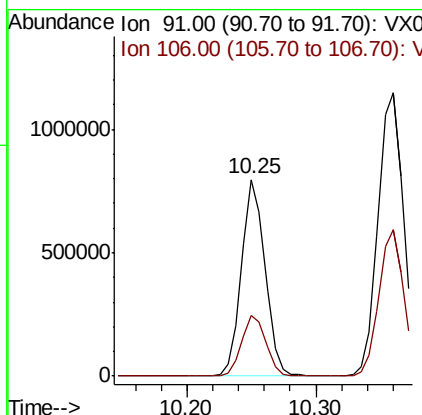
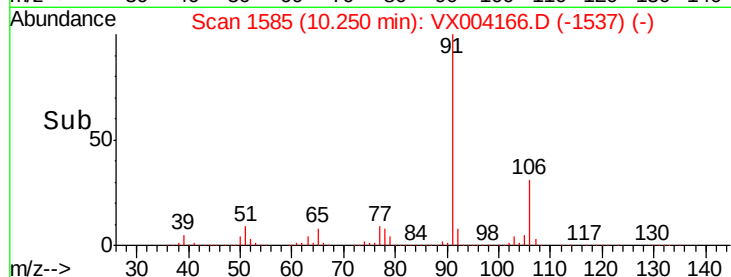
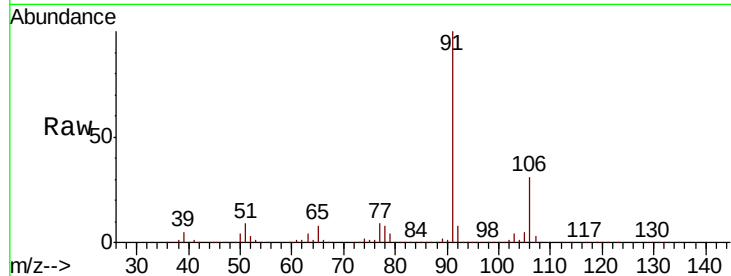
#67
Ethyl Benzene
Concen: 53.87 ug/l
RT: 10.25 min Scan# 1585
Delta R.T. -0.01 min
Lab File: VX004166.D
Acq: 21 Aug 2018 10:20

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 1012895
Ion Ratio Lower Upper
91 100
106 30.9 25.9 38.9

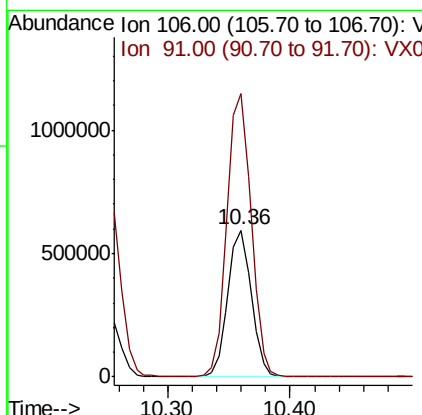
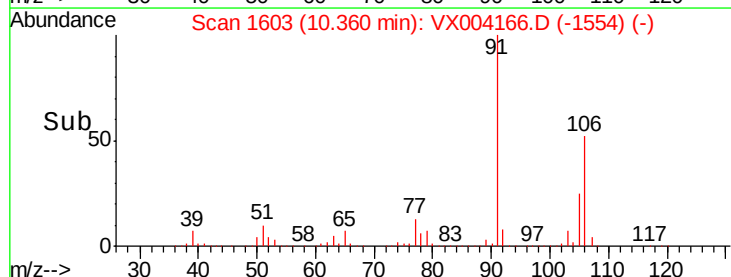
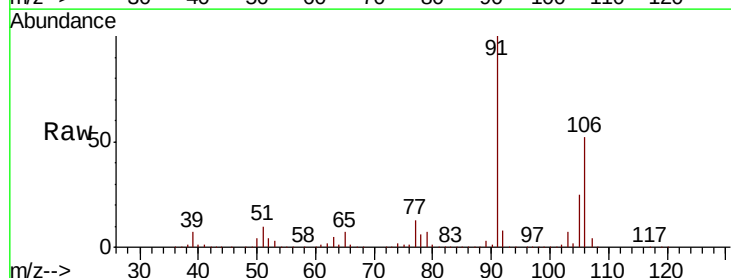
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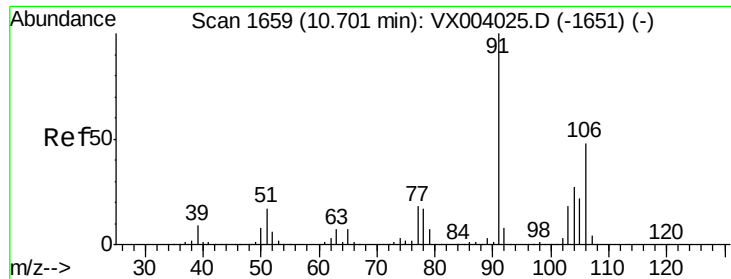
MMDadoda
8/22/2018 11:16:45 AM



#68
m/p-Xylenes
Concen: 107.40 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX004166.D
Acq: 21 Aug 2018 10:20

Tgt Ion: 106 Resp: 790830
Ion Ratio Lower Upper
106 100
91 199.2 162.3 243.5





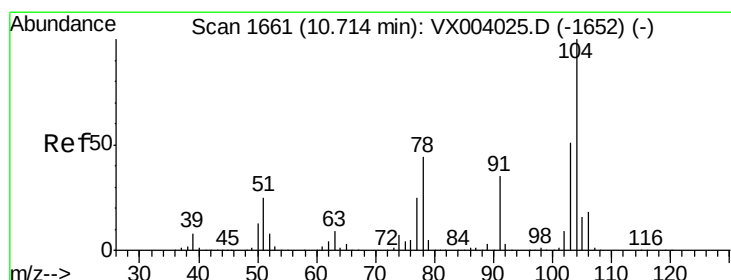
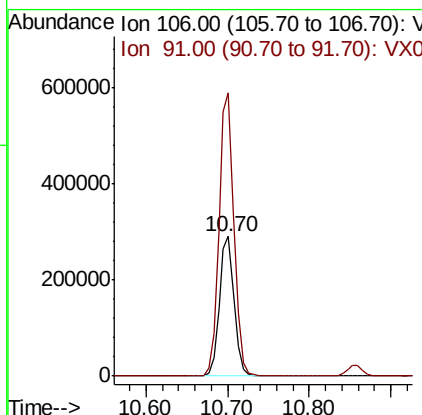
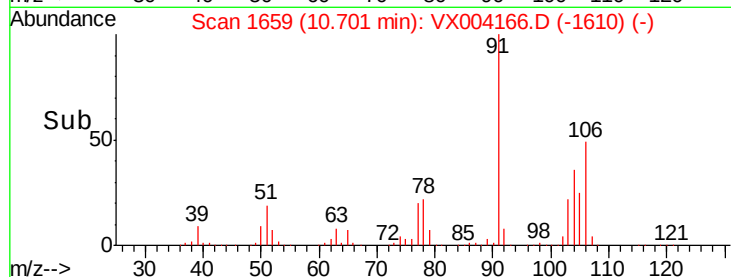
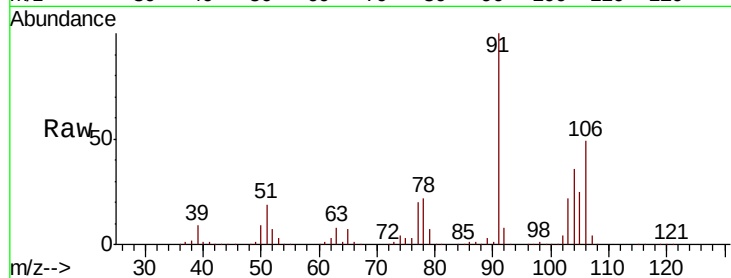
#69
o-Xylene
Concen: 52.49 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004166.D
Acq: 21 Aug 2018 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	206.1	101.9	305.7

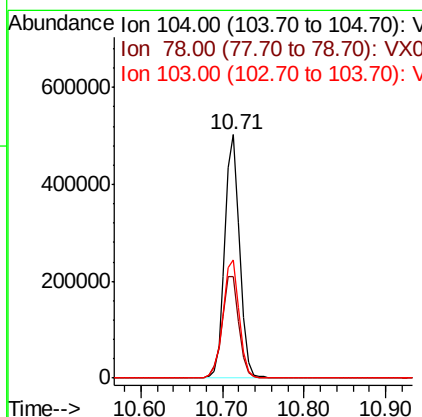
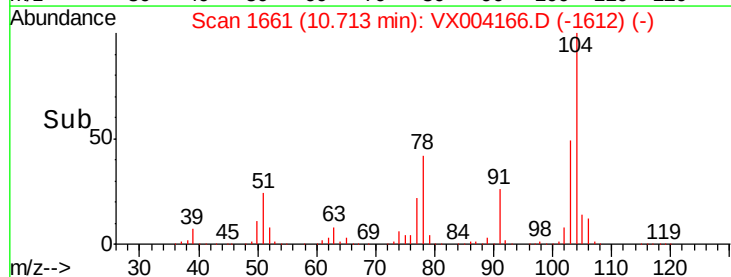
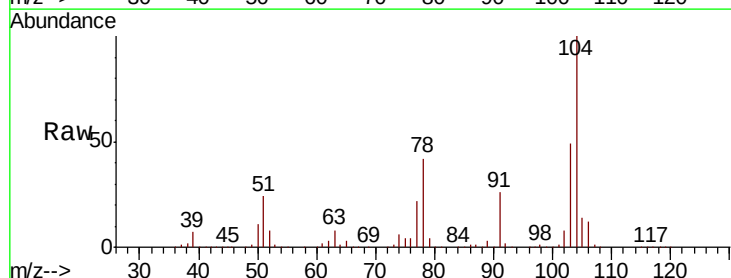
Manual Integrations
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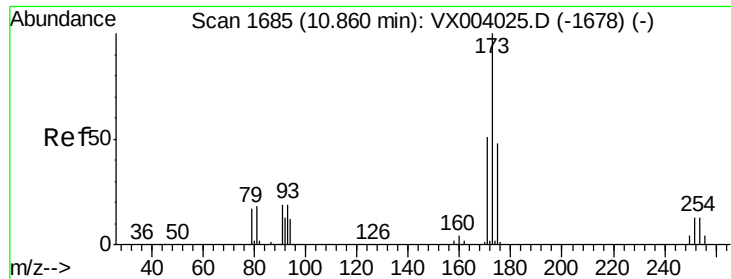
MMDadoda
8/22/2018 11:16:45 AM



#70
Styrene
Concen: 53.51 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004166.D
Acq: 21 Aug 2018 10:20

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.4	39.8	59.6
103	53.3	44.3	66.5





#71

Bromoform

Concen: 49.69 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_X

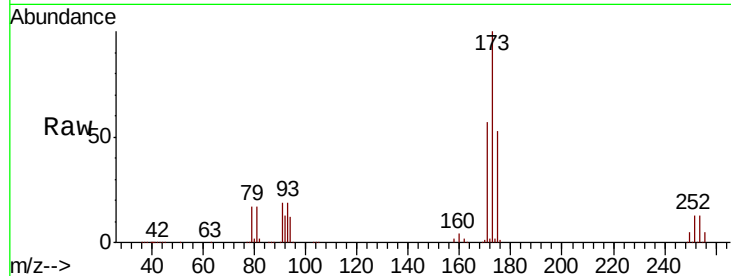
ClientSampleId :

VSTDCCC050

Tot Ion:	173	Resp:	159593
Ion Ratio	Lower	Upper	
173	100		
175	50.3	24.9	74.7
254	0.2	0.2	0.2

Manual Integrations
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8/22/2018 11:16:45 AM

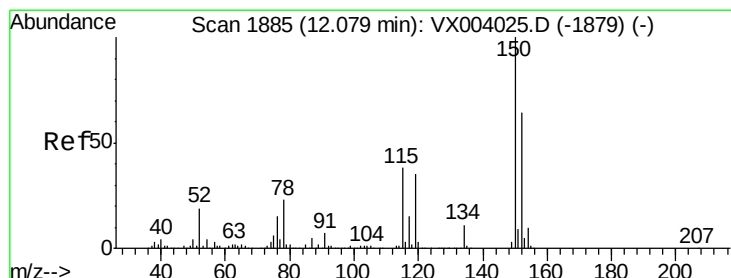
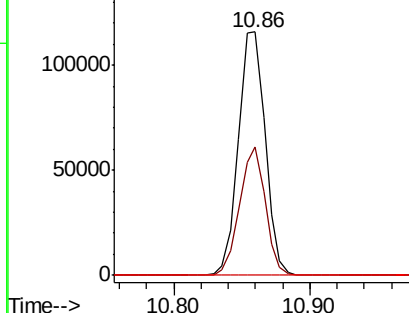
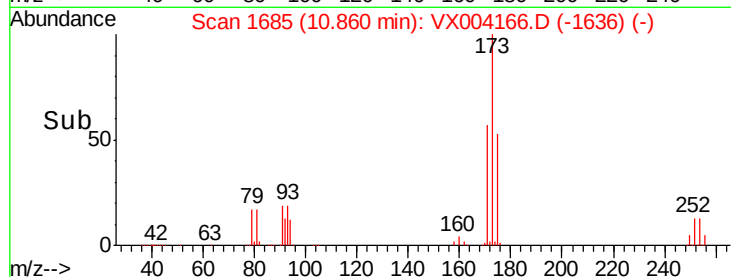


Abundance

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

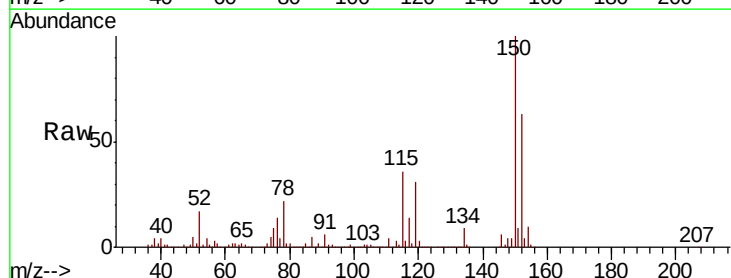
RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

Tgt Ion:	152	Resp:	281586
Ion Ratio	Lower	Upper	
152	100		
115	81.0	39.1	117.3
150	179.6	0.0	349.2

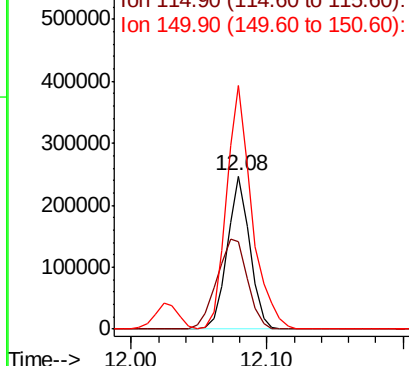
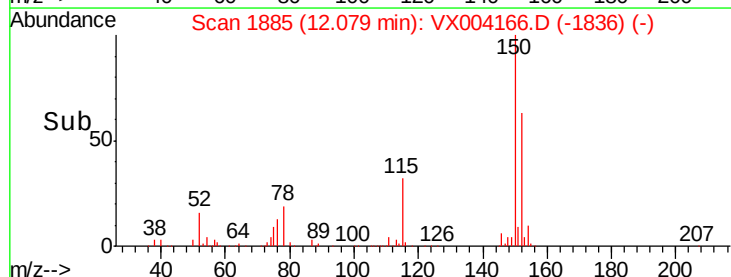


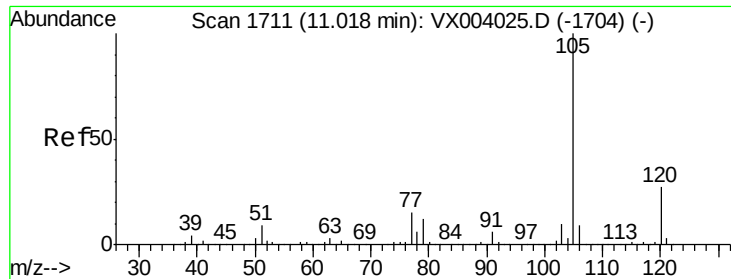
Abundance

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: 51.24 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 976401

Ion Ratio Lower Upper

105 100

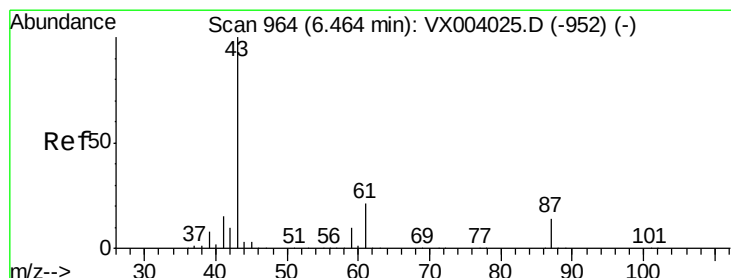
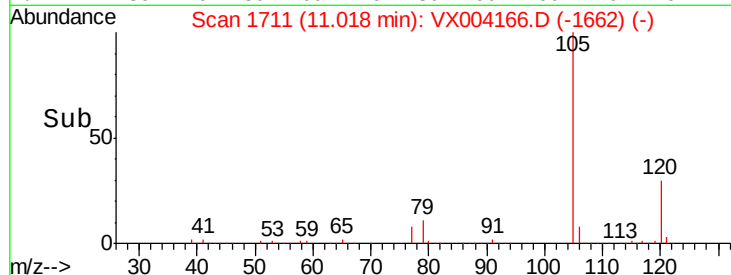
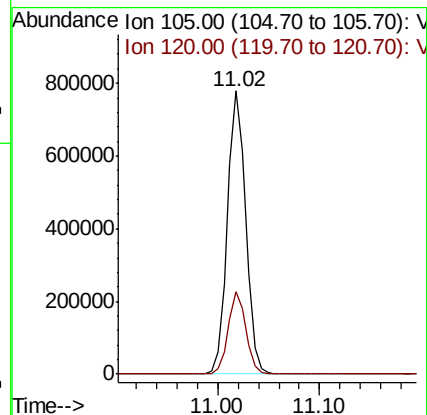
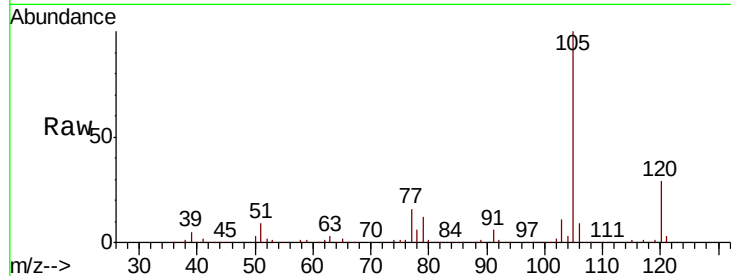
120 28.1 12.6 37.8

Manual Integrations

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8/22/2018 11:16:45 AM



#74

N-ethyl acetate

Concen: 45.98 ug/l

RT: 6.46 min Scan# 963

Delta R.T. -0.01 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

Tgt Ion: 43 Resp: 412130

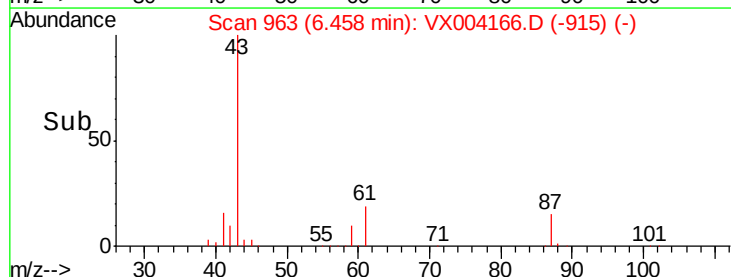
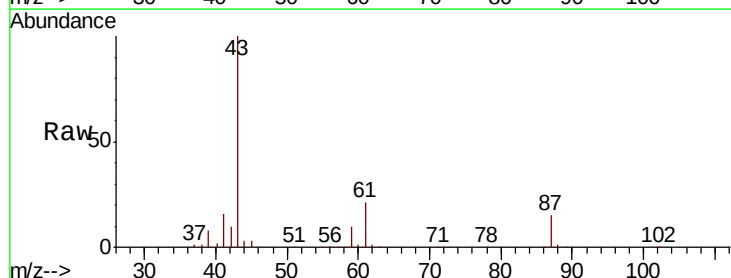
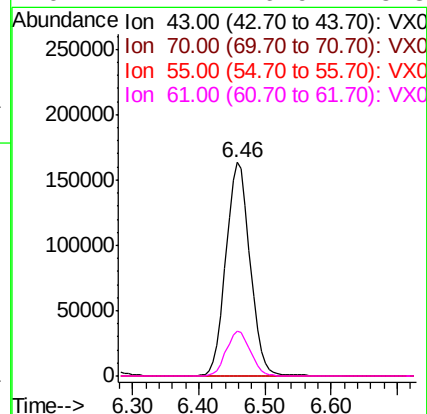
Ion Ratio Lower Upper

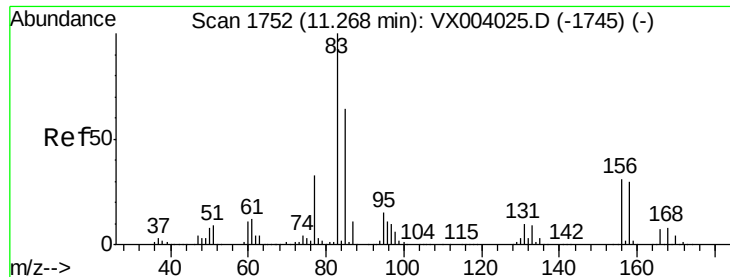
43 100

70 0.0 0.0 0.0#

55 0.1 0.1 0.1#

61 21.1 16.9 25.3





#75

1,1,2,2-Tetrachloroethane

Concen: 48.14 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_X

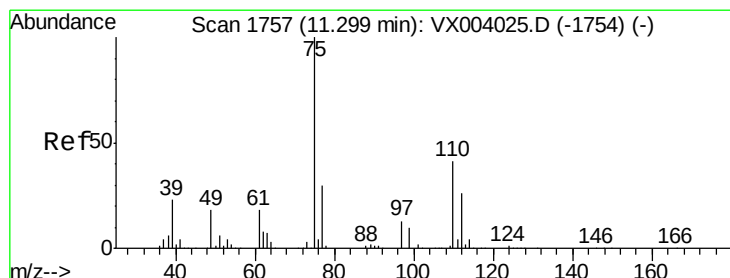
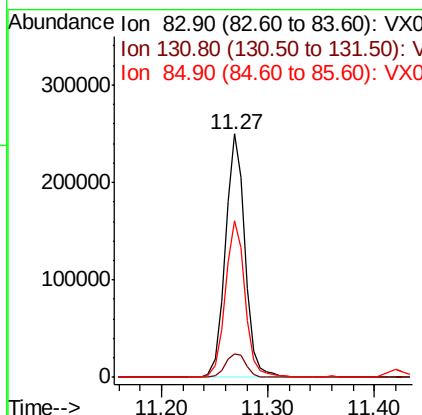
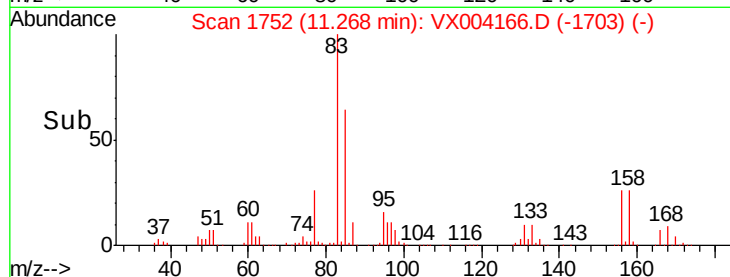
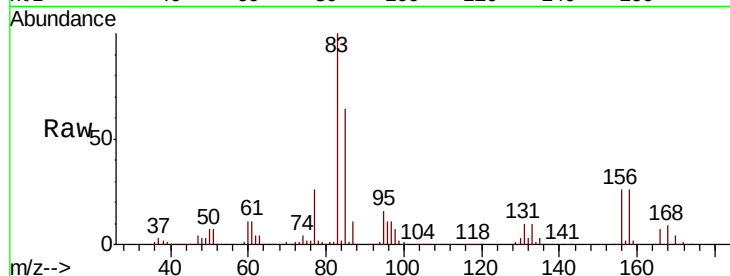
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	320339
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.2	15.6
85	64.8	32.2	96.6

Manual Integrations
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8/22/2018 11:16:45 AM



#76

1,2,3-Trichloropropane

Concen: 53.34 ug/l m

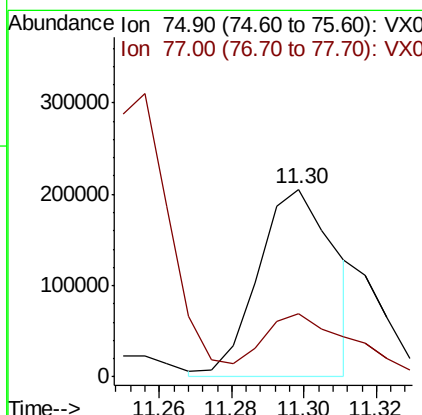
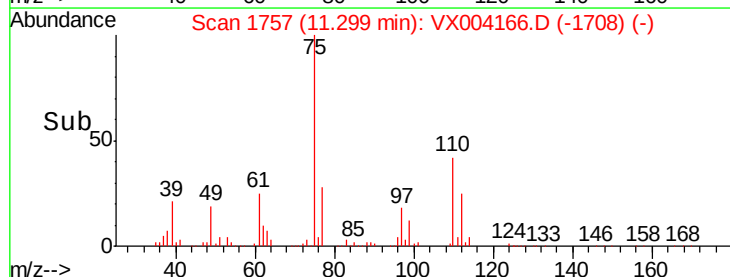
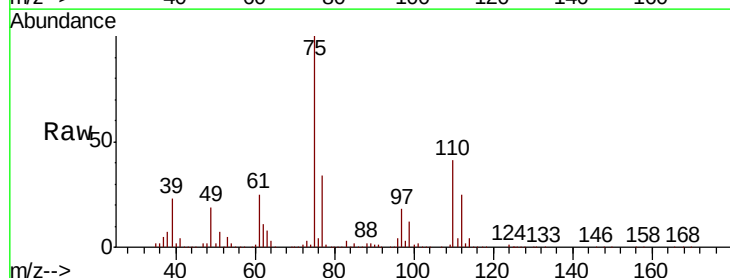
RT: 11.30 min Scan# 1757

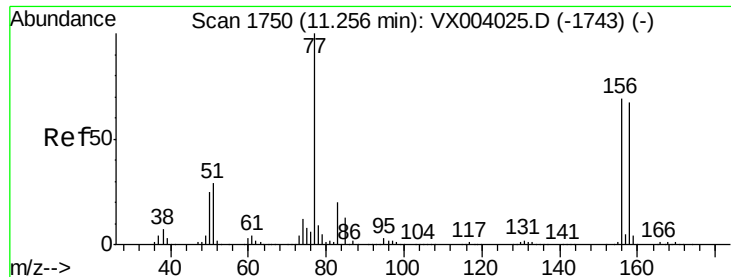
Delta R.T. -0.00 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

Tgt Ion:	75	Resp:	301230
Ion Ratio	Lower	Upper	
75	100		
77	39.2	20.8	62.5





#77

Bromobenzene

Concen: 50.25 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_X

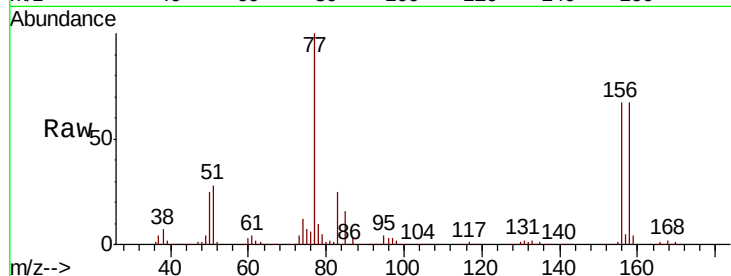
ClientSampleId :

VSTDCCC050

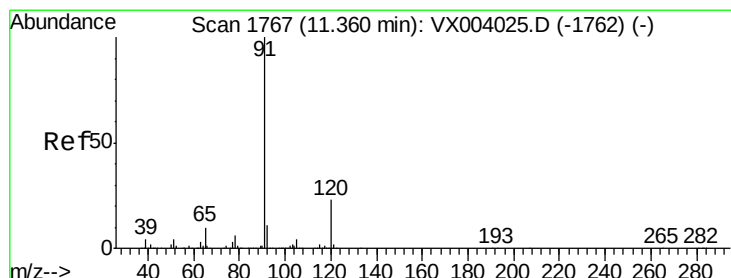
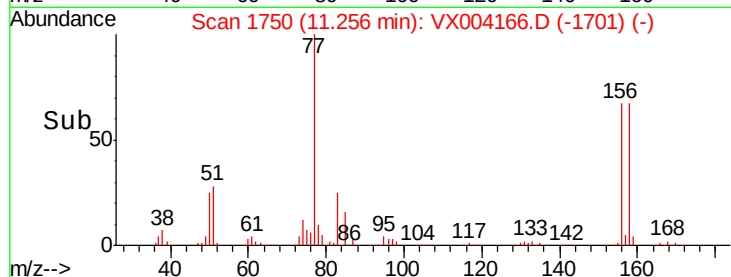
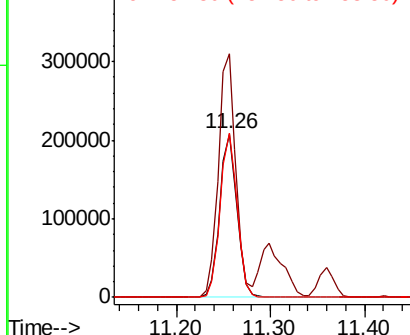
Tot Ion:	156	Resp:	263946
Ion	Ratio	Lower	Upper
156	100		
77	150.7	74.1	222.2
158	99.9	48.6	145.9

Manual Integrations
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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: 54.68 ug/l

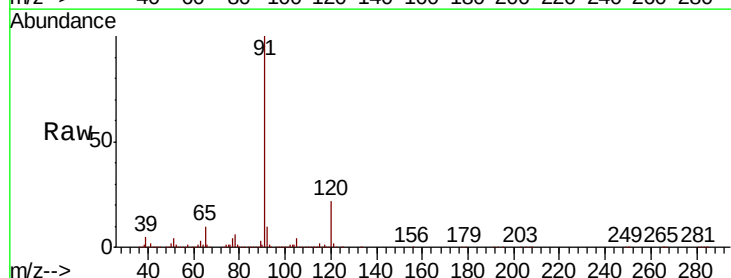
RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

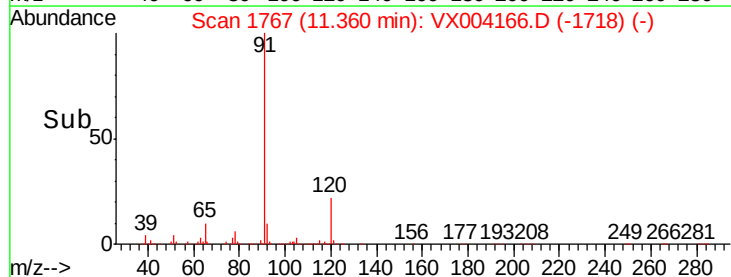
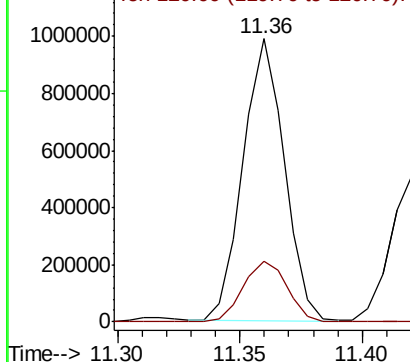
Lab File: VX004166.D

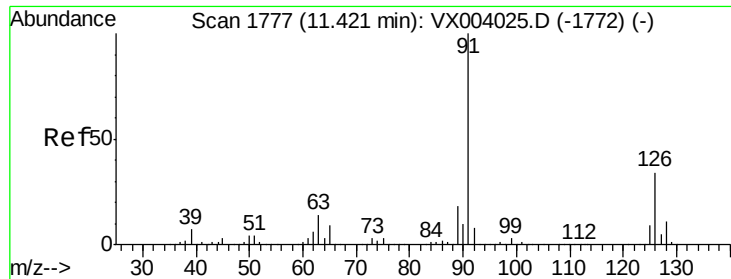
Acq: 21 Aug 2018 10:20

Tgt Ion:	91	Resp:	1166107
Ion	Ratio	Lower	Upper
91	100		
120	23.2	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: 49.86 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 648034

Ion Ratio Lower Upper

91 100

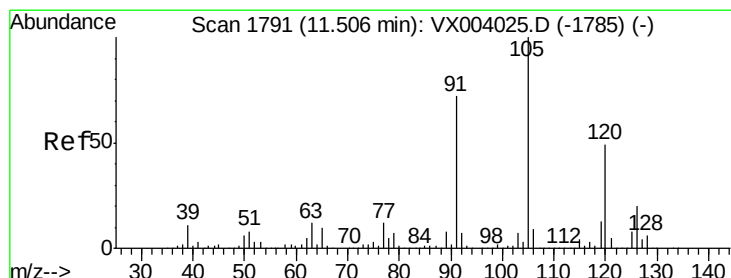
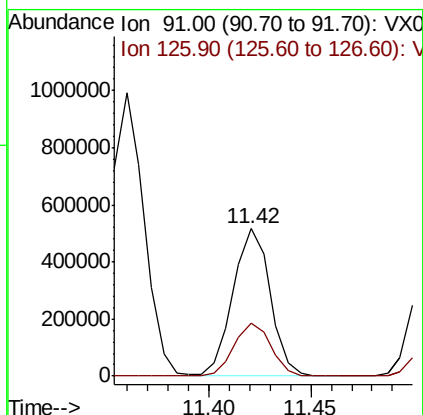
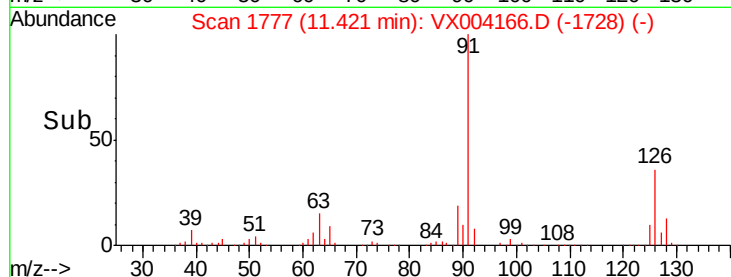
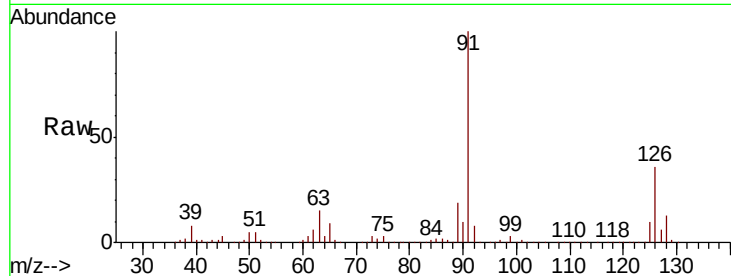
126 36.0 17.4 52.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 53.95 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX004166.D

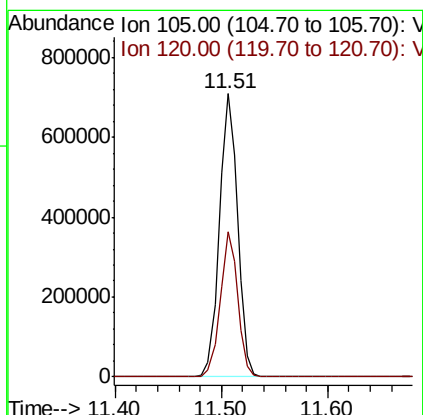
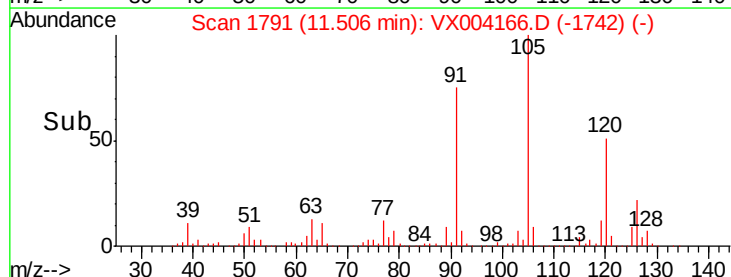
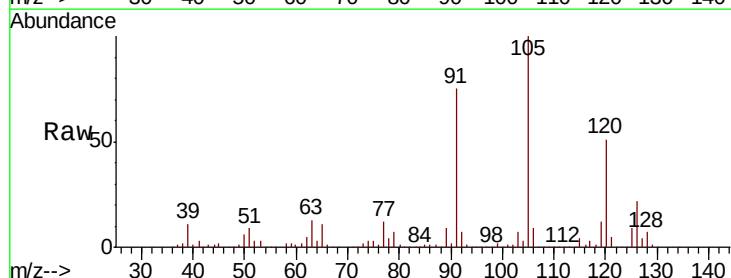
Acq: 21 Aug 2018 10:20

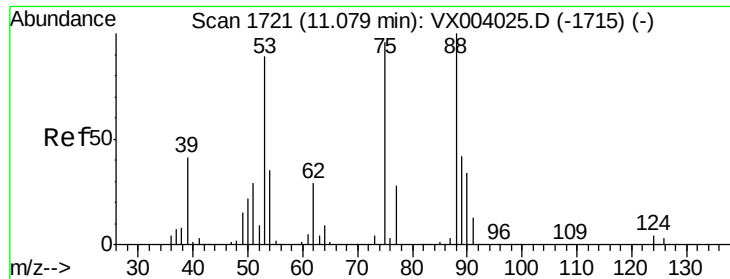
Tgt Ion: 105 Resp: 841818

Ion Ratio Lower Upper

105 100

120 49.1 25.4 76.2





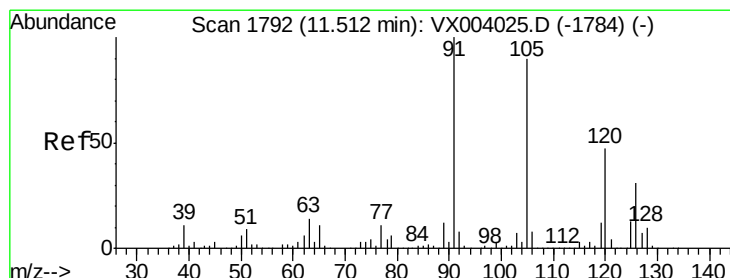
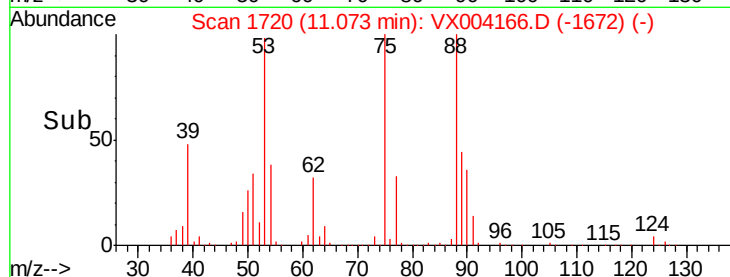
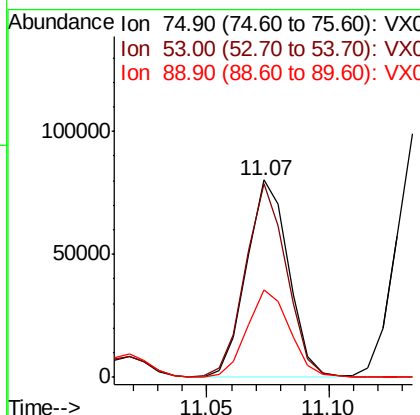
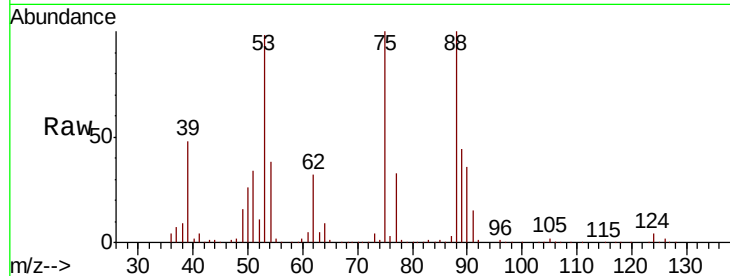
#81
trans-1,4-Dichloro-2-butene
Concen: 52.58 ug/l
RT: 11.07 min Scan# 1720
Delta R.T. -0.01 min
Lab File: VX004166.D
Acq: 21 Aug 2018 10:20

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.1	80.3	120.5
89	45.5	37.8	56.8

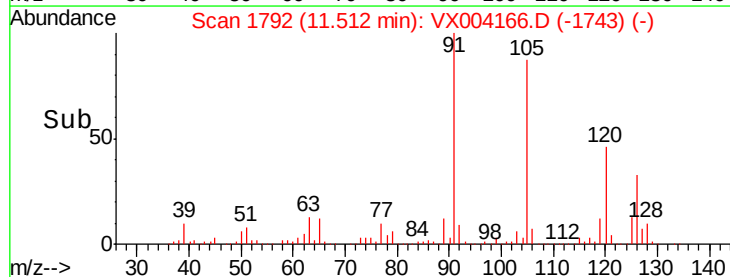
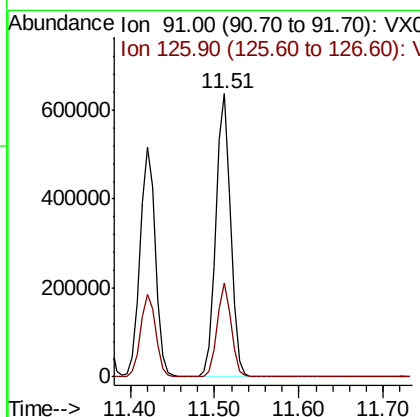
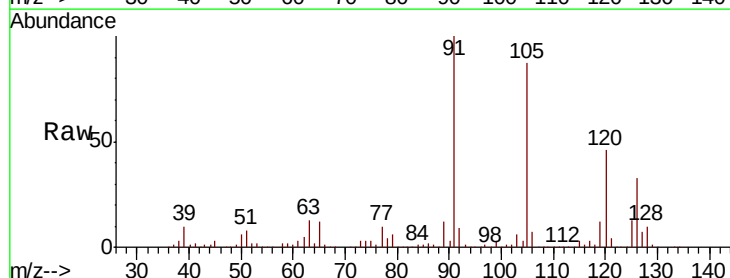
Manual Integrations
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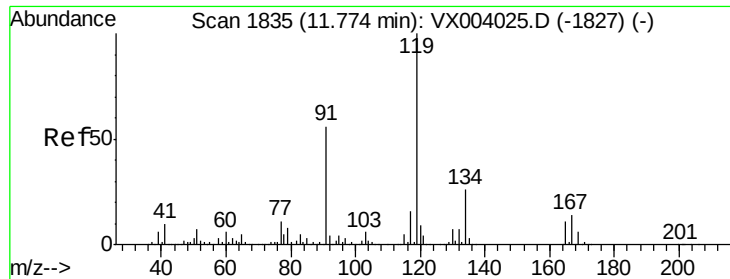
MMDadoda
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#82
4-Chlorotoluene
Concen: 50.62 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004166.D
Acq: 21 Aug 2018 10:20

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.6	46.7





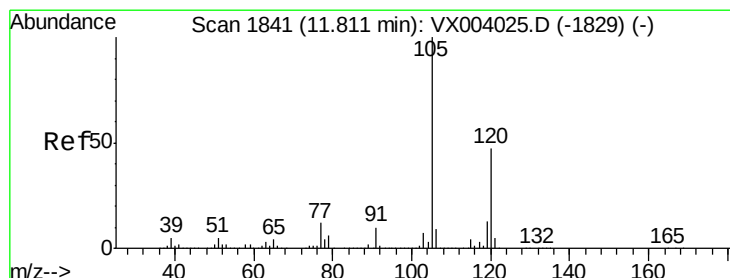
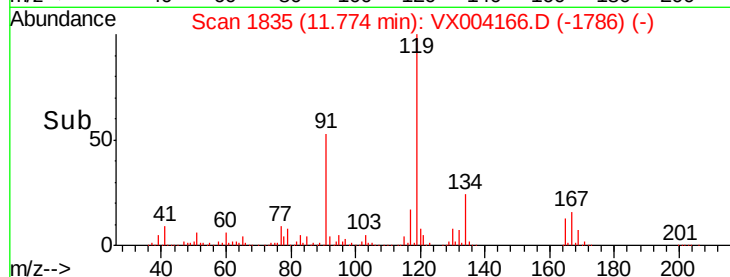
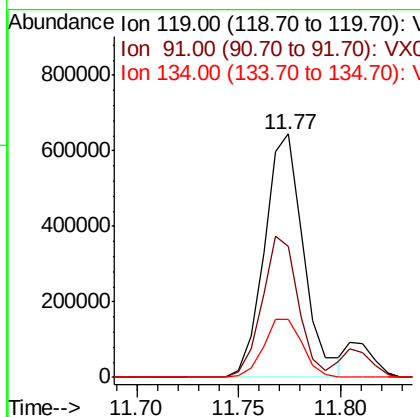
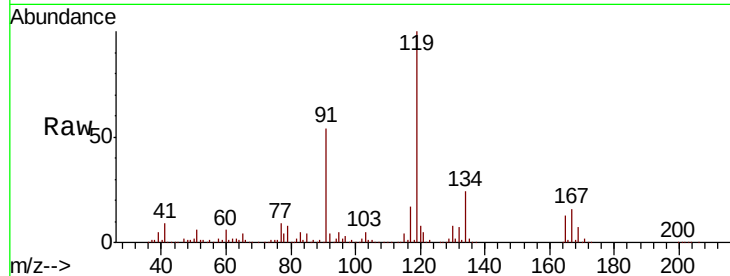
#83
 tert-Butylbenzene
 Concen: 54.40 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX004166.D
 Acq: 21 Aug 2018 10:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	53.8	26.9	80.7
134	24.0	12.0	36.0

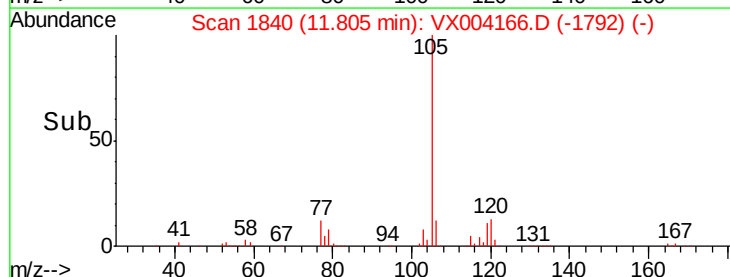
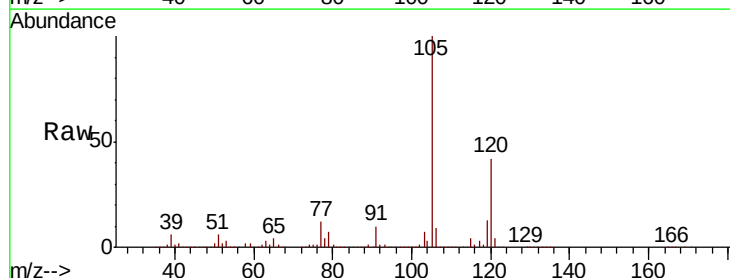
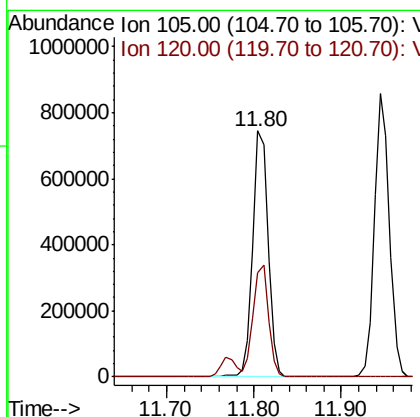
Manual Integrations
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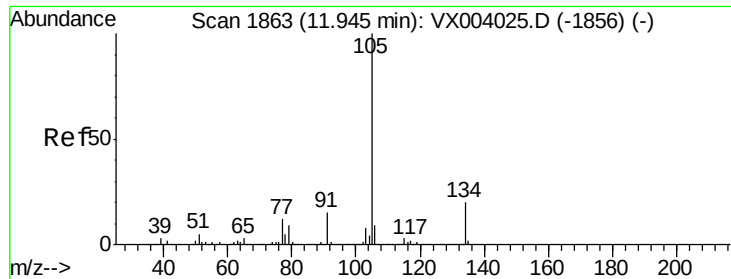
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 55.52 ug/l
 RT: 11.80 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: VX004166.D
 Acq: 21 Aug 2018 10:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	23.1	69.2





#85

sec-Butylbenzene

Concen: 55.90 ug/l

RT: 11.94 min Scan# 1863

Delta R.T. -0.00 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1029271

Ion Ratio Lower Upper

105 100

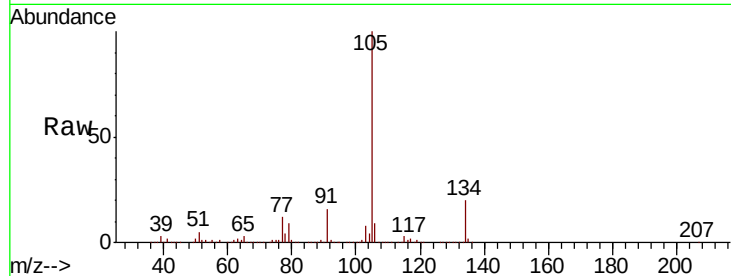
134 21.0 10.3 30.9

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

1000000

800000

600000

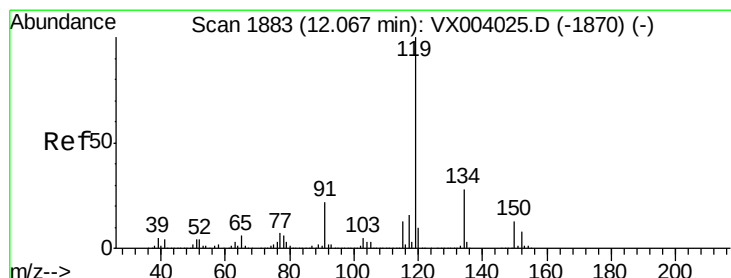
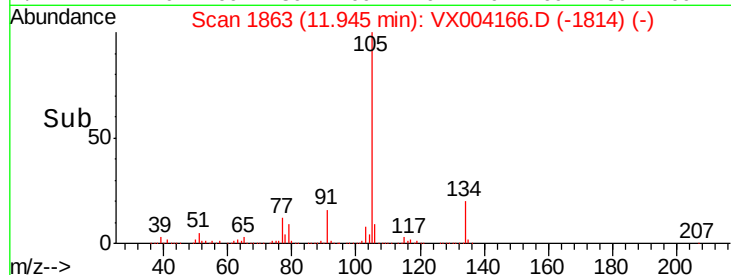
400000

200000

0

11.90 11.94 12.00

Time-->



#86

p-Isopropyltoluene

Concen: 55.15 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

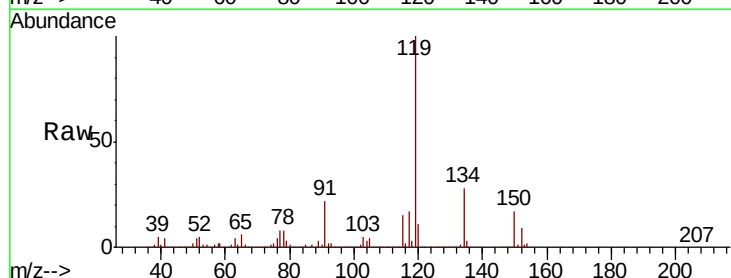
Tgt Ion:119 Resp: 919324

Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.8

91 22.0 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

1000000

800000

600000

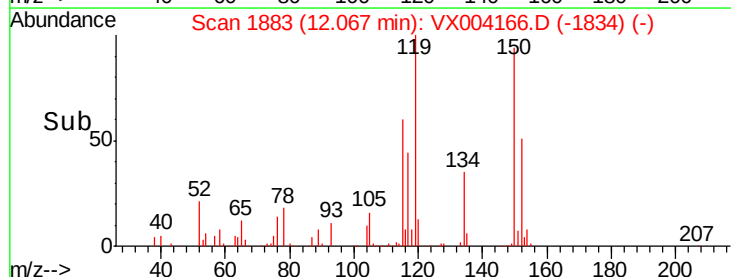
400000

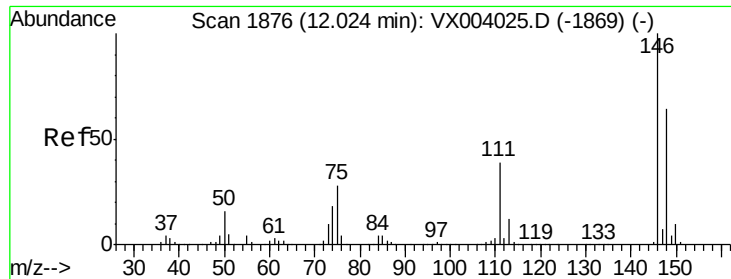
200000

0

11.90 12.00 12.10 12.20

Time-->





#87

1,3-Dichlorobenzene

Concen: 50.17 ug/l

RT: 12.02 min Scan# 1876

Delta R.T. -0.00 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_X

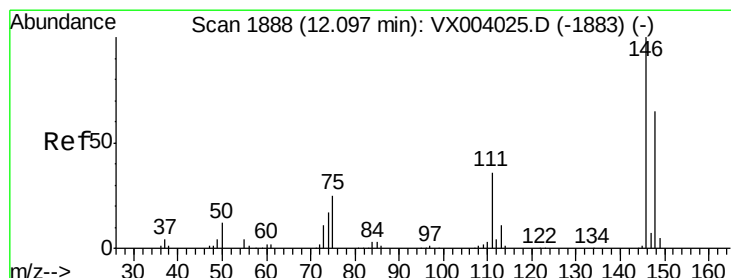
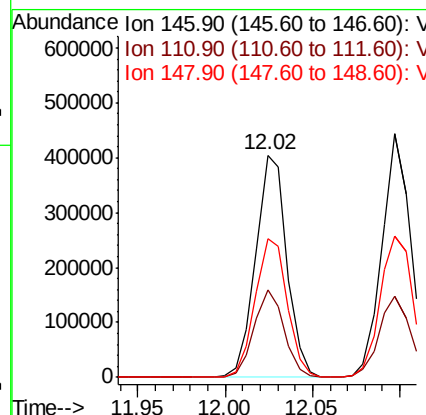
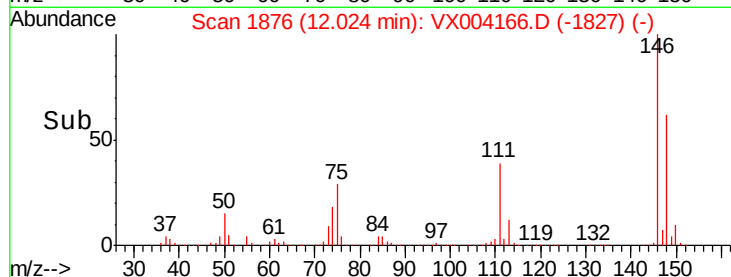
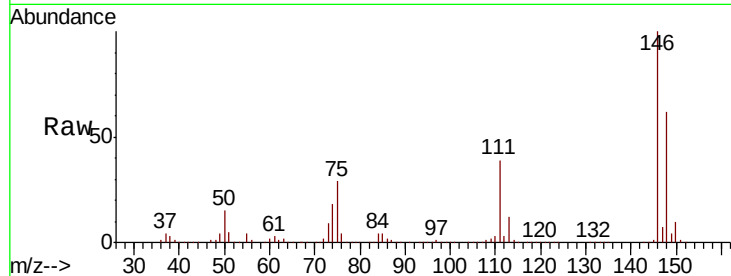
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	502646
Ion Ratio	Lower	Upper	
146	100		
111	38.0	18.8	56.4
148	64.1	31.9	95.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 49.25 ug/l

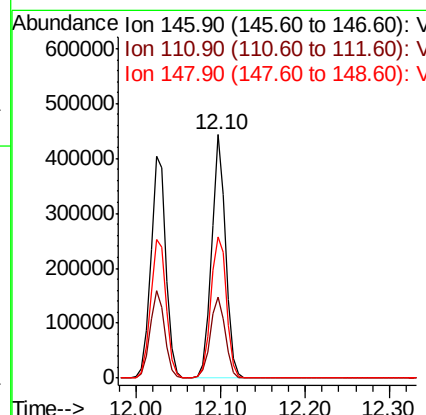
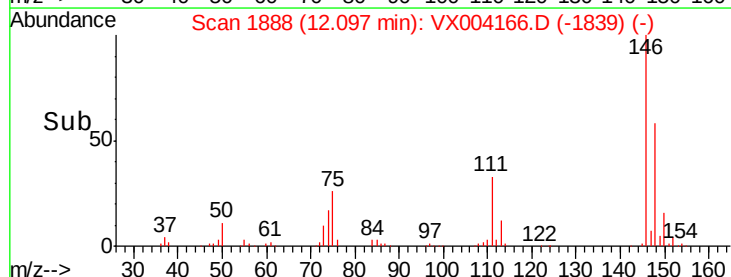
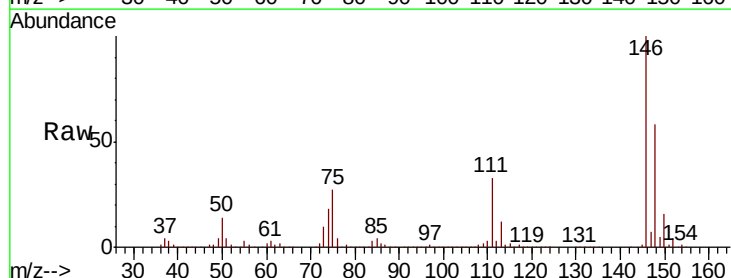
RT: 12.10 min Scan# 1888

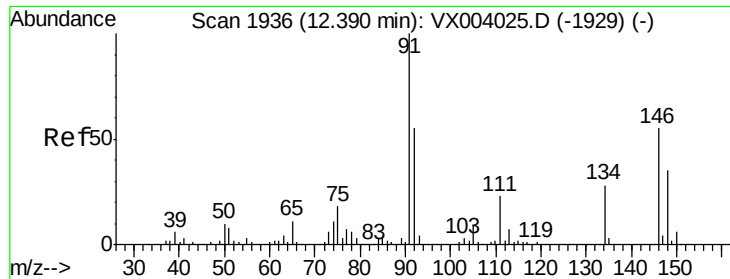
Delta R.T. -0.00 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

Tgt Ion:	146	Resp:	507778
Ion Ratio	Lower	Upper	
146	100		
111	36.1	18.4	55.0
148	65.3	32.3	96.8





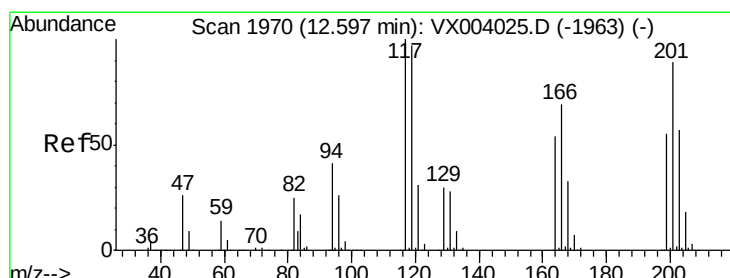
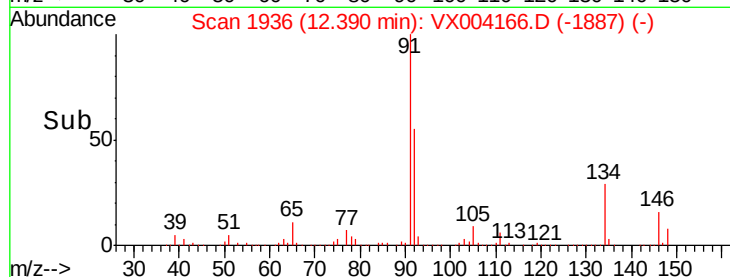
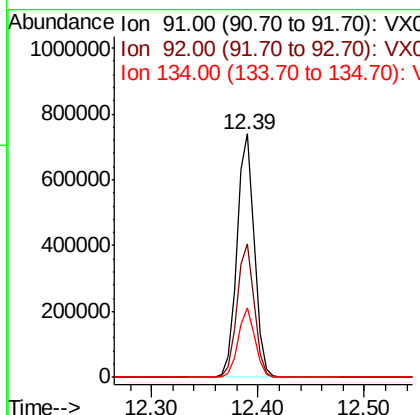
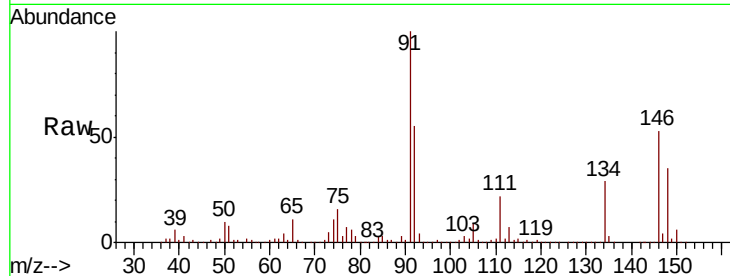
#89
n-Butylbenzene
Concen: 64.17 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004166.D
Acq: 21 Aug 2018 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.1	81.3
134	27.6	13.6	40.7

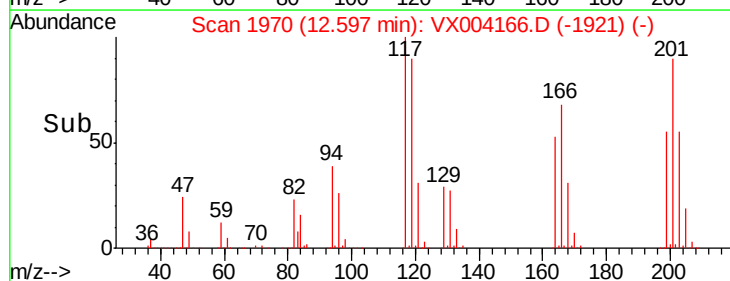
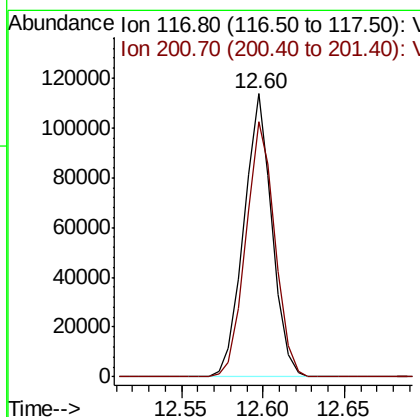
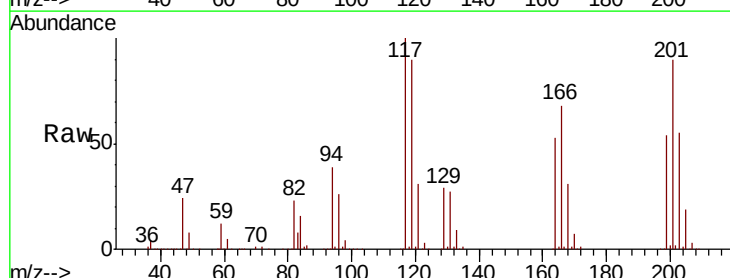
Manual Integrations
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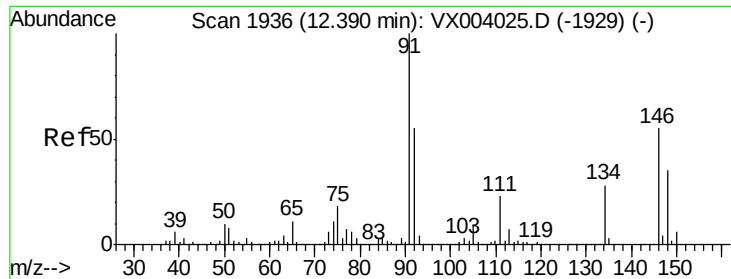
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#90
Hexachloroethane
Concen: 54.64 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX004166.D
Acq: 21 Aug 2018 10:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.2	46.1	138.2





#91

1,2-Dichlorobenzene

Concen: 56.87 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

Instrument :

MSVOA_X

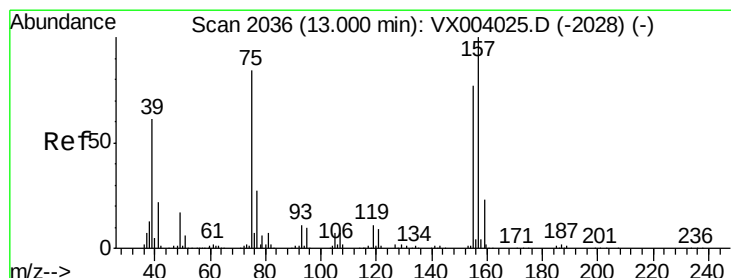
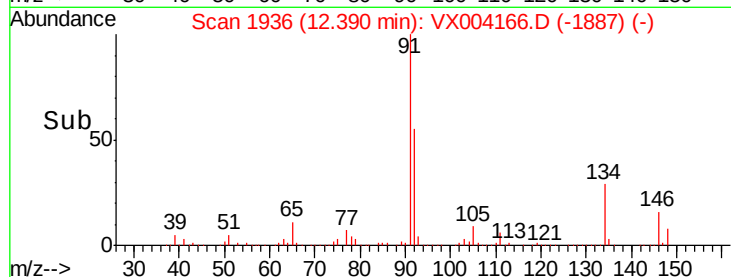
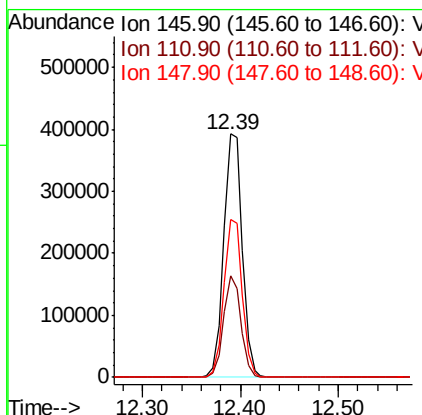
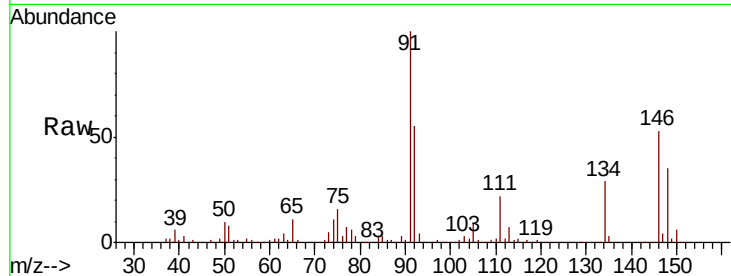
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.7	59.0
148	64.1	31.9	95.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 51.96 ug/l

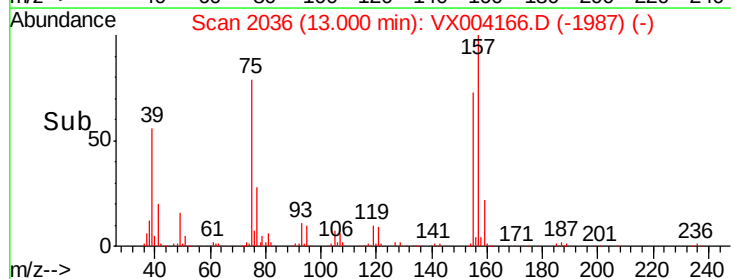
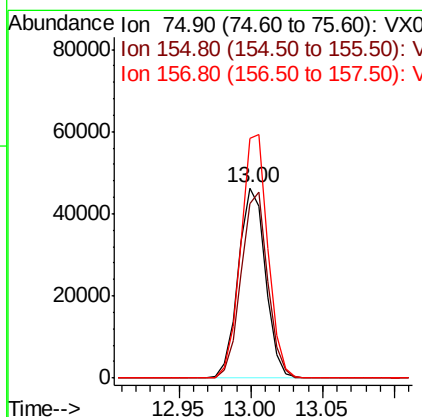
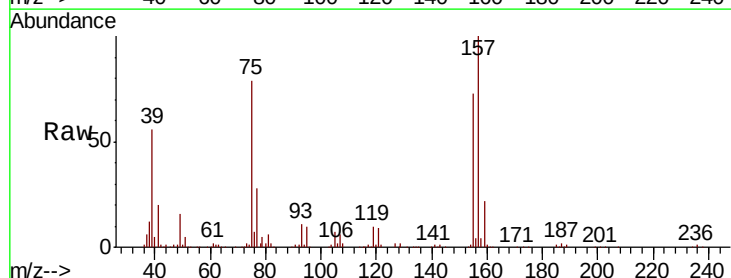
RT: 13.00 min Scan# 2036

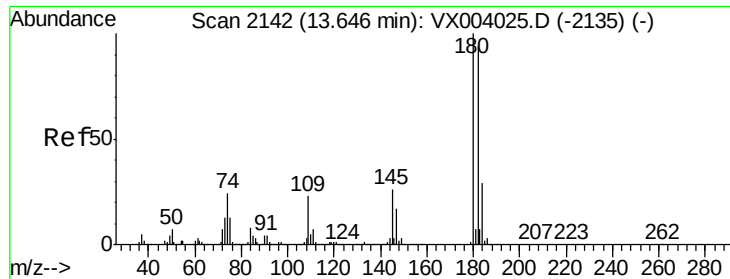
Delta R.T. -0.00 min

Lab File: VX004166.D

Acq: 21 Aug 2018 10:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.8	48.7	146.1
157	127.0	62.6	187.8





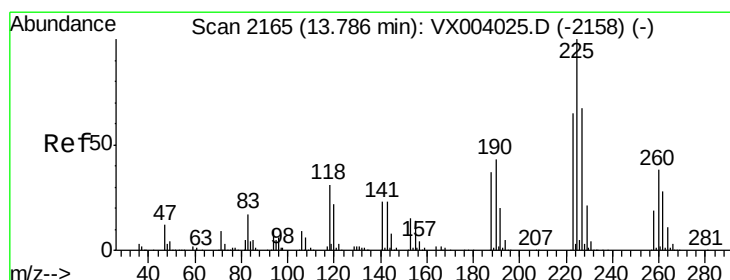
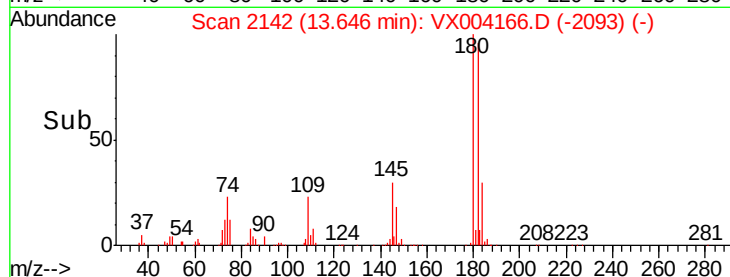
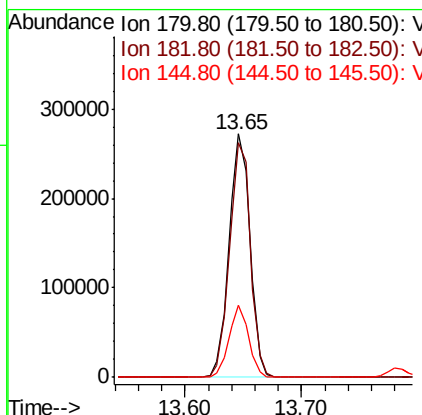
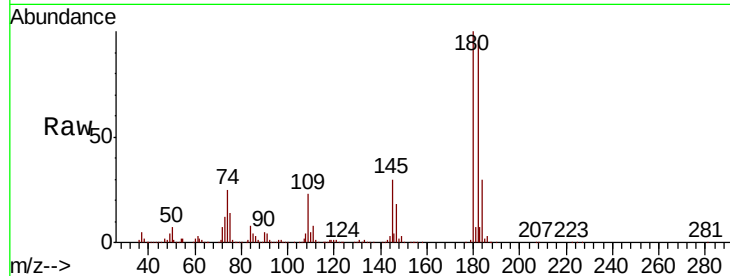
#93
 1,2,4-Trichlorobenzene
 Concen: 54.99 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004166.D
 Acq: 21 Aug 2018 10:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	339610		
182	96.2	47.7	143.1	
145	27.7	13.9	41.6	

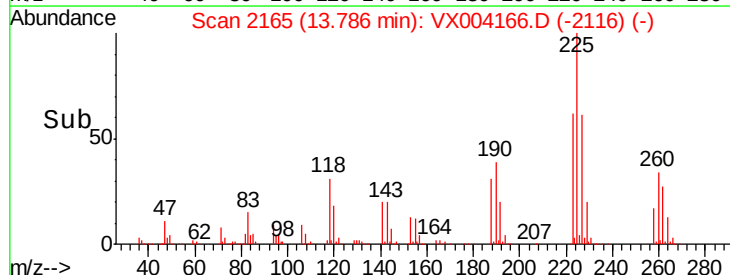
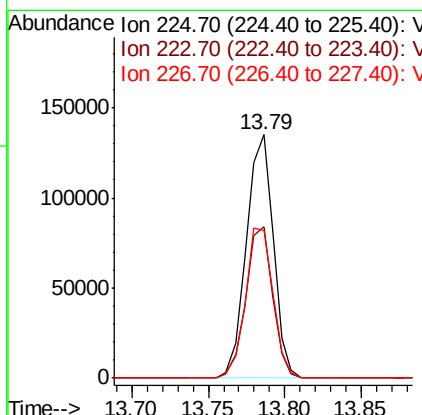
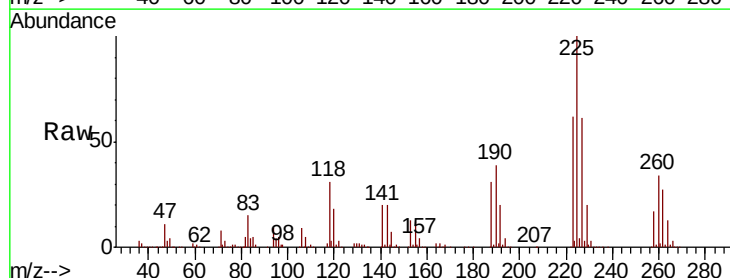
Manual Integrations
 APPROVED

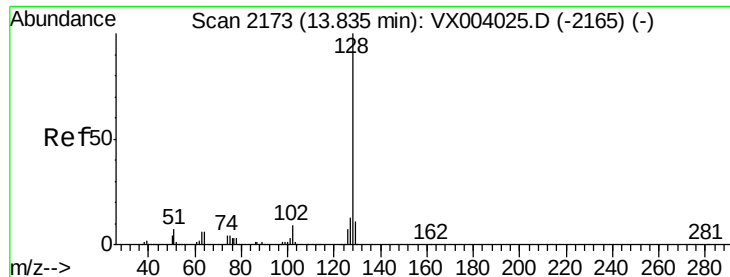
MMDadoda
 8/22/2018 11:16:45 AM



#94
 Hexachlorobutadiene
 Concen: 53.41 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX004166.D
 Acq: 21 Aug 2018 10:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	165373		
223	62.1	31.4	94.0	
227	63.0	32.1	96.5	





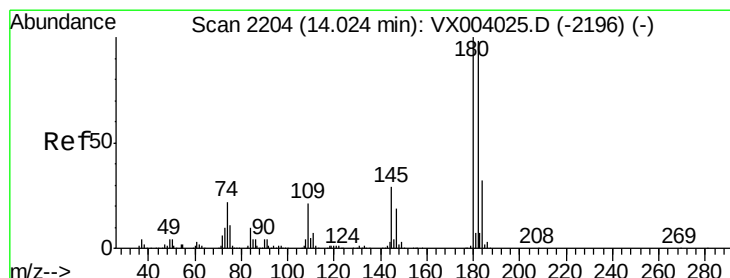
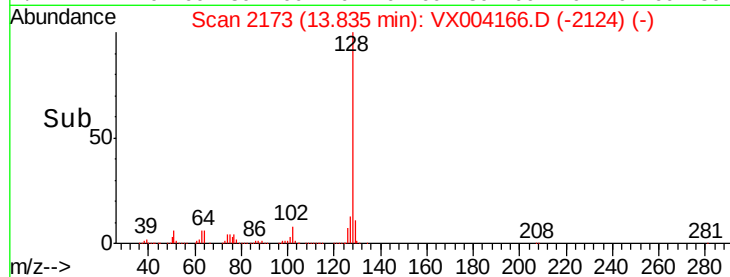
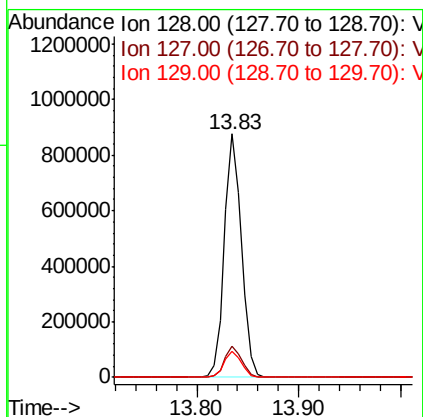
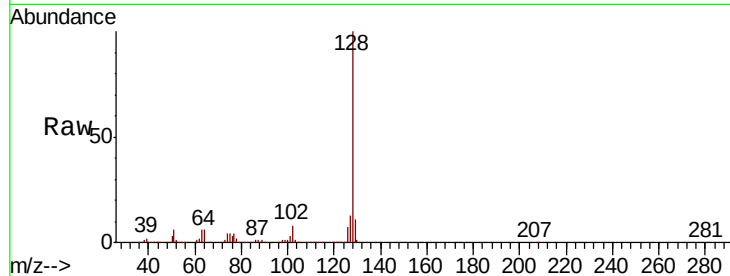
#95
Naphthalene
Concen: 51.85 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX004166.D
Acq: 21 Aug 2018 10:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/22/2018 11:16:45 AM



#96
1,2,3-Trichlorobenzene
Concen: 52.84 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX004166.D
Acq: 21 Aug 2018 10:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.8	48.1	144.4
145	31.2	14.9	44.7

