

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081518\
 Data File : VX004091.D
 Acq On : 15 Aug 2018 23:34
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/16/2018 4:39:58 PM

Quant Time: Aug 16 07:11:20 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	5.67	168	294747	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	449037	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	434134	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	262471	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	216979	52.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.50%	
35) Dibromofluoromethane	5.51	113	170329	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	
50) Toluene-d8	8.72	98	698138	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	
62) 4-Bromofluorobenzene	11.14	95	258436	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	146658	51.11	ug/l	100
3) Chloromethane	1.32	50	167798	47.66	ug/l	98
4) Vinyl Chloride	1.40	62	188389	49.45	ug/l	100
5) Bromomethane	1.64	94	104690	54.24	ug/l	100
6) Chloroethane	1.72	64	130727	52.25	ug/l	98
7) Trichlorofluoromethane	1.93	101	264475	49.49	ug/l	99
8) Diethyl Ether	2.18	74	118216	50.67	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	160971	48.28	ug/l	100
10) Methyl Iodide	2.51	142	178875	50.21	ug/l	99
11) Tert butyl alcohol	3.05	59	229346	274.25	ug/l	99
12) 1,1-Dichloroethene	2.37	96	154264	49.75	ug/l	98
13) Acrolein	2.29	56	125928	223.17	ug/l	99
14) Allyl chloride	2.73	41	289696	49.10	ug/l	97
15) Acrylonitrile	3.14	53	552674	265.06	ug/l	99
16) Acetone	2.44	43	562991	260.75	ug/l	100
17) Carbon Disulfide	2.57	76	425519	48.38	ug/l	100
18) Methyl Acetate	2.77	43	259197	54.02	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	553912	50.70	ug/l	100
20) Methylene Chloride	2.86	84	183149	51.92	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	172417	48.96	ug/l	100
22) Diisopropyl ether	3.87	45	578855	50.07	ug/l	97
23) Vinyl Acetate	3.82	43	2485681	261.78	ug/l	100
24) 1,1-Dichloroethane	3.70	63	326350	49.84	ug/l	100
25) 2-Butanone	4.70	43	937858	266.96	ug/l	99
26) 2,2-Dichloropropane	4.59	77	183193	35.19	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	196991	49.75	ug/l	98
28) Bromochloromethane	5.02	49	155825	51.87	ug/l	95
29) Tetrahydrofuran	5.15	42	473202	263.64	ug/l	98
30) Chloroform	5.22	83	319187	49.94	ug/l	100
31) Cyclohexane	5.57	56	276405	48.15	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	269889	50.54	ug/l	99
36) 1,1-Dichloropropene	5.80	75	243997	47.75	ug/l	100
37) Ethyl Acetate	4.85	43	282838	50.83	ug/l	100
38) Carbon Tetrachloride	5.79	117	243056	48.96	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	285214	49.20	ug/l	99
40) Benzene	6.15	78	761610	49.64	ug/l	100
41) Methacrylonitrile	5.06	41	152524	48.94	ug/l	99
42) 1,2-Dichloroethane	6.20	62	265111	49.36	ug/l	99
43) Isopropyl Acetate	6.47	43	422912	51.56	ug/l	100
44) Trichloroethene	7.21	130	202330	48.57	ug/l	94
45) 1,2-Dichloropropane	7.52	63	197007	50.16	ug/l	99
46) Dibromomethane	7.67	93	128382	50.02	ug/l	99
47) Bromodichloromethane	7.90	83	248012	51.02	ug/l	99
48) Methyl methacrylate	7.78	41	225838	54.70	ug/l	99
49) 1,4-Dioxane	7.76	88	100742	1083.76	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	1861966	276.87	ug/l	100
52) Toluene	8.79	92	493481	50.86	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	264266	50.32	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	289144	49.71	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	198086	49.43	ug/l	99
56) Ethyl methacrylate	9.18	69	298898	54.85	ug/l	99
57) 1,3-Dichloropropane	9.37	76	336020	50.54	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	773165	278.65	ug/l	99
59) 2-Hexanone	9.50	43	1430340	282.60	ug/l	100
60) Dibromochloromethane	9.59	129	199052	51.62	ug/l	100
61) 1,2-Dibromoethane	9.68	107	209745	51.35	ug/l	99
64) Tetrachloroethene	9.34	164	203195	49.38	ug/l	95
65) Chlorobenzene	10.14	112	549193	48.97	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.23	131	195346	51.07	ug/l	98
67) Ethyl Benzene	10.26	91	921798	51.91	ug/l	98
68) m/p-Xylenes	10.36	106	733222	105.44	ug/l	97
69) o-Xylene	10.70	106	349596	52.61	ug/l	96
70) Styrene	10.71	104	600415	53.68	ug/l	98
71) Bromoform	10.86	173	155927	51.41	ug/l	100
73) Isopropylbenzene	11.02	105	943954	53.14	ug/l	97
74) N-amyl acetate	6.47	43	422912	50.62	ug/l	# 100
75) 1,1,2,2-Tetrachloroethane	11.27	83	317619	51.21	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	282491m	53.67	ug/l	
77) Bromobenzene	11.26	156	246596	50.36	ug/l	99
78) n-propylbenzene	11.36	91	1078415	54.25	ug/l	100
79) 2-Chlorotoluene	11.42	91	642284	53.02	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	788263	54.20	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	83640	49.19	ug/l	99
82) 4-Chlorotoluene	11.51	91	755619	52.77	ug/l	100
83) tert-Butylbenzene	11.77	119	778087	53.06	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	817042	54.24	ug/l	99
85) sec-Butylbenzene	11.94	105	927567	54.05	ug/l	100
86) p-Isopropyltoluene	12.07	119	834327	53.70	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	457777	49.02	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	464531	48.33	ug/l	99
89) n-Butylbenzene	12.39	91	633424	51.74	ug/l	99
90) Hexachloroethane	12.60	117	122077	52.51	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	415245	49.30	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	57441	52.69	ug/l	99

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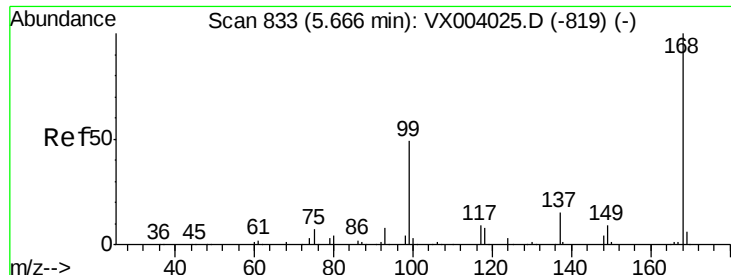
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	274077	47.61	ug/l	100
94) Hexachlorobutadiene	13.79	225	122887	42.58	ug/l	99
95) Naphthalene	13.83	128	879285	47.96	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	283907	45.22	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 294747

Ion Ratio Lower Upper

168 100

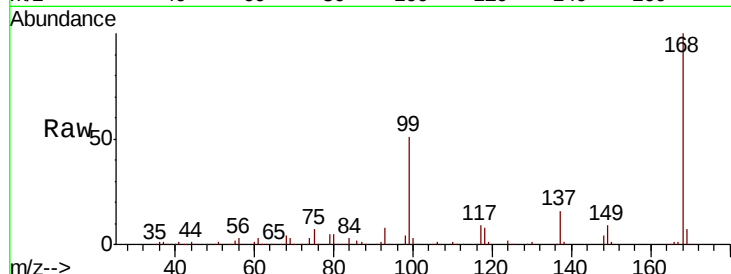
99 51.3 40.1 60.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

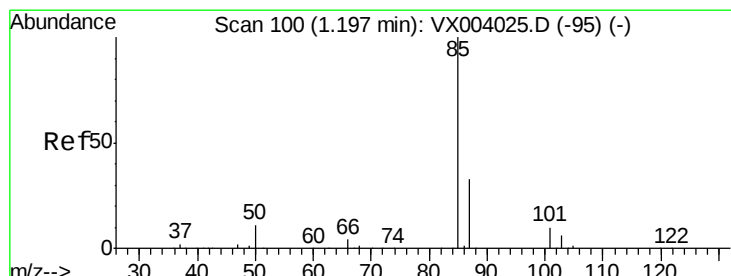
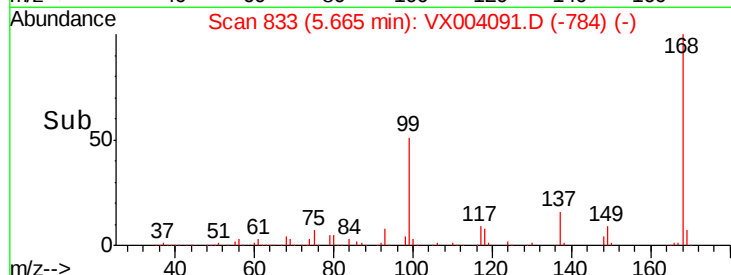
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 51.11 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX004091.D

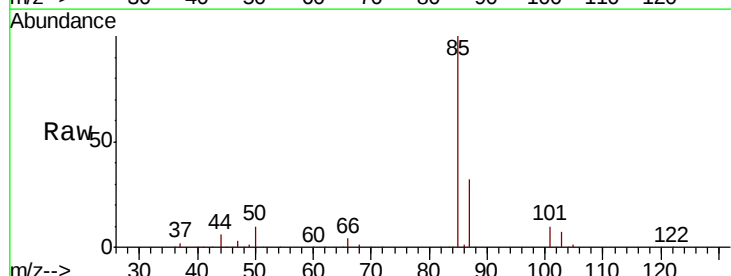
Acq: 15 Aug 2018 23:34

Tgt Ion: 85 Resp: 146658

Ion Ratio Lower Upper

85 100

87 32.0 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

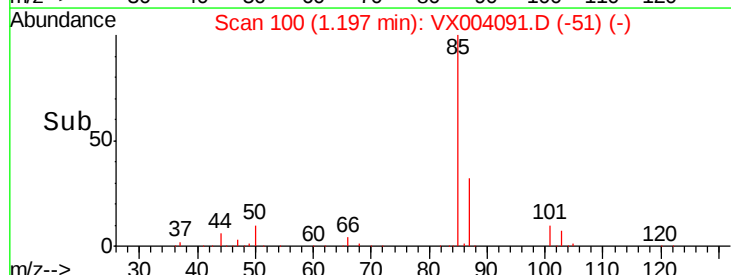
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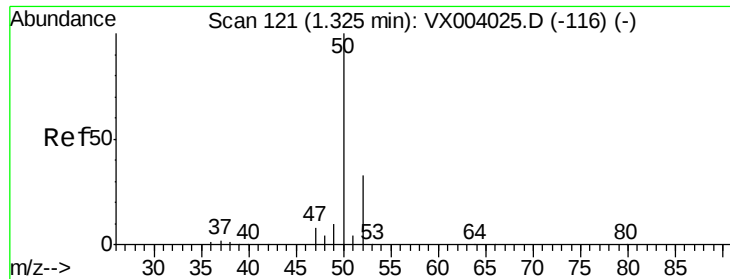
100000

50000

0

Time-->





#3

Chloromethane

Concen: 47.66 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 167798

Ion Ratio Lower Upper

50 100

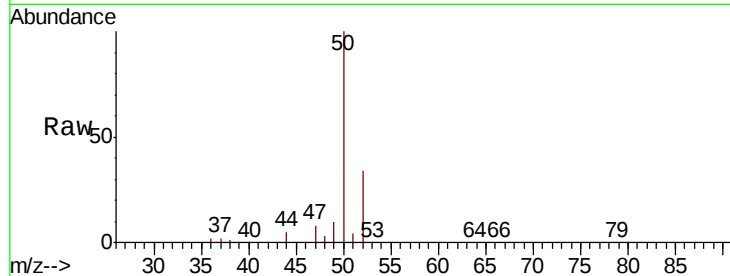
52 34.1 26.6 39.8

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

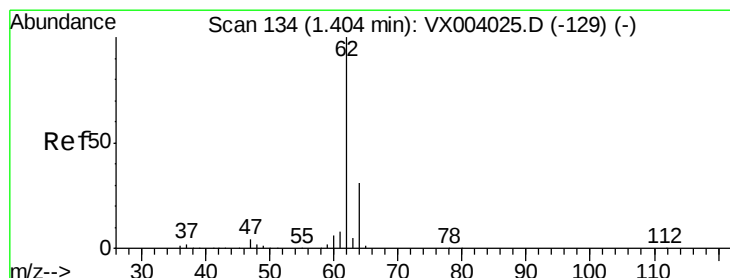
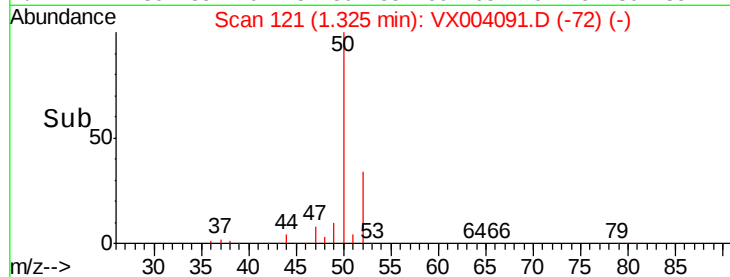
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 49.45 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004091.D

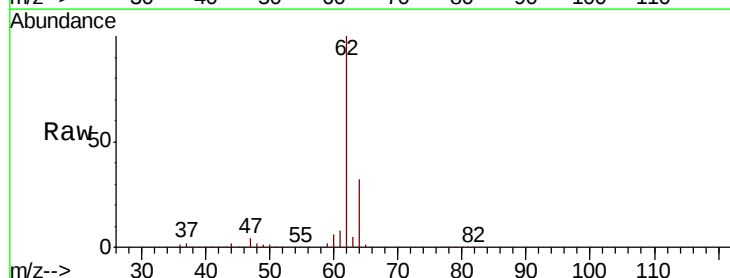
Acq: 15 Aug 2018 23:34

Tgt Ion: 62 Resp: 188389

Ion Ratio Lower Upper

62 100

64 32.3 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

200000

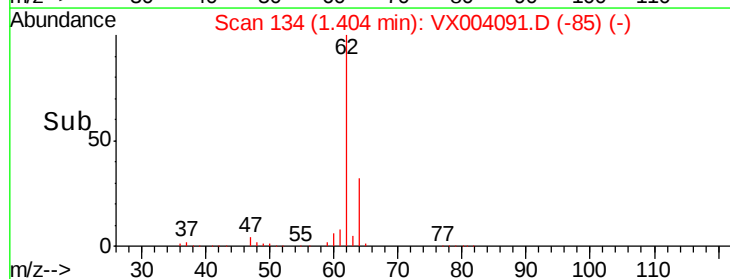
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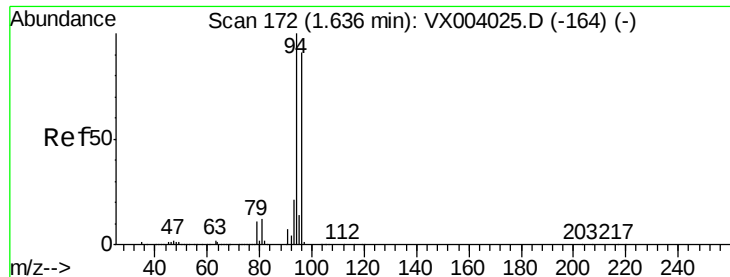
100000

50000

0

Time-->





#5

Bromomethane

Concen: 54.24 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 104690

Ion Ratio Lower Upper

94 100

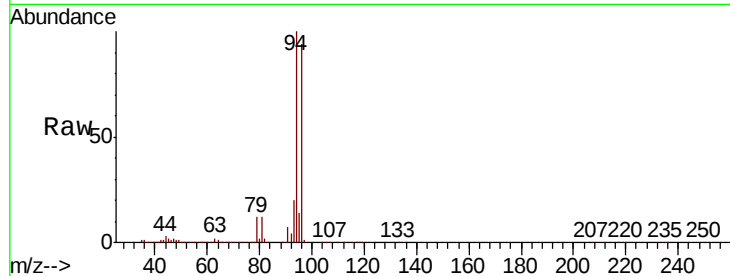
96 93.8 75.2 112.8

Manual Integrations

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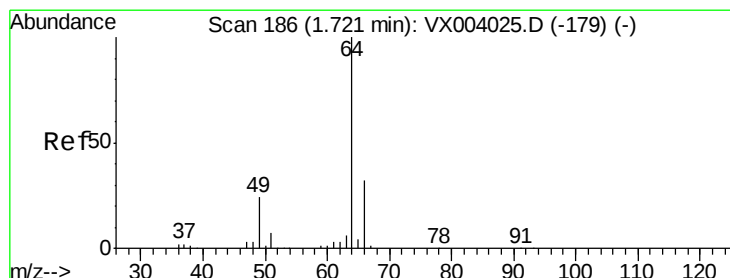
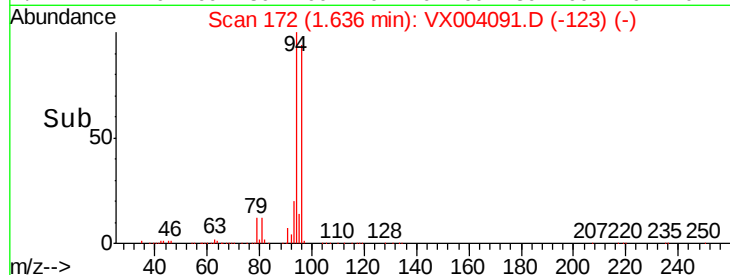
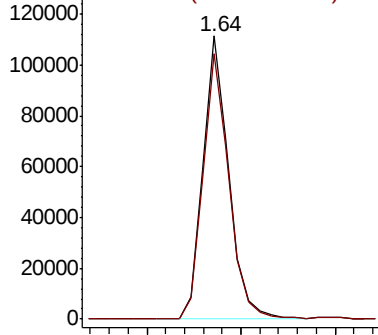
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 52.25 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX004091.D

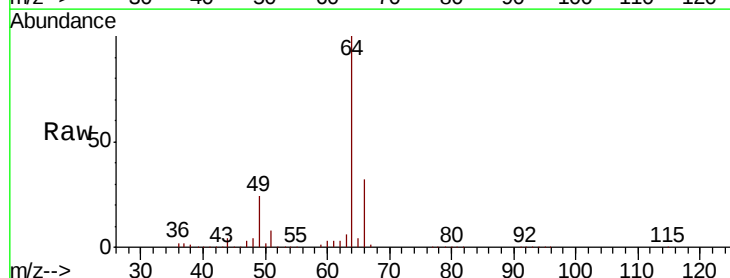
Acq: 15 Aug 2018 23:34

Tgt Ion: 64 Resp: 130727

Ion Ratio Lower Upper

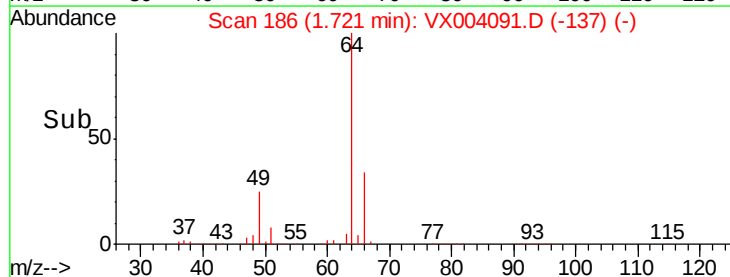
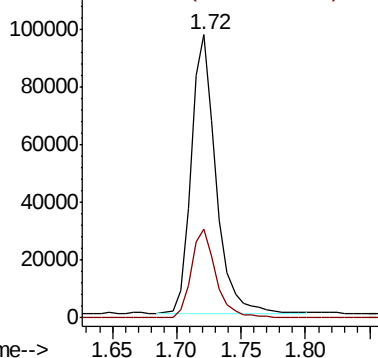
64 100

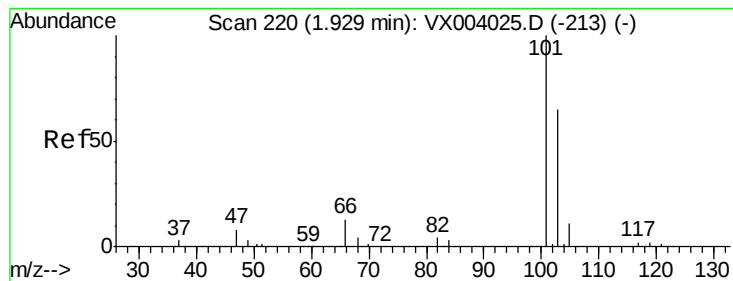
66 32.0 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





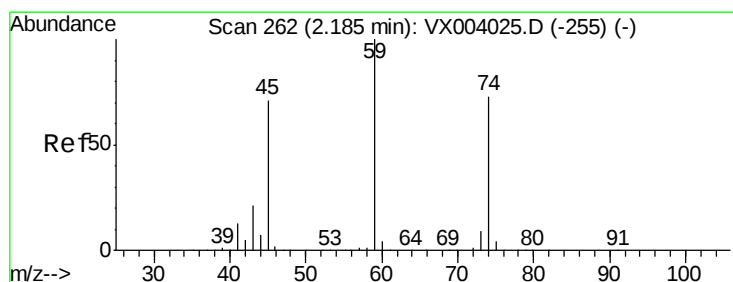
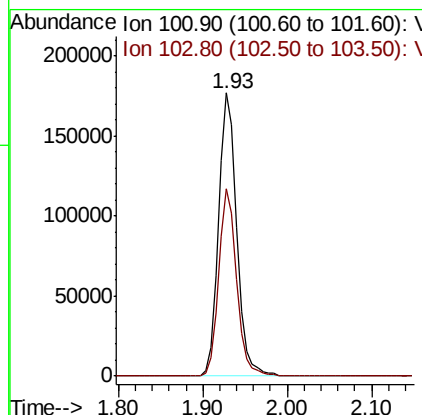
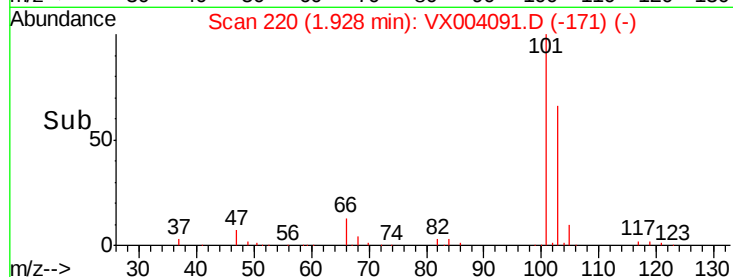
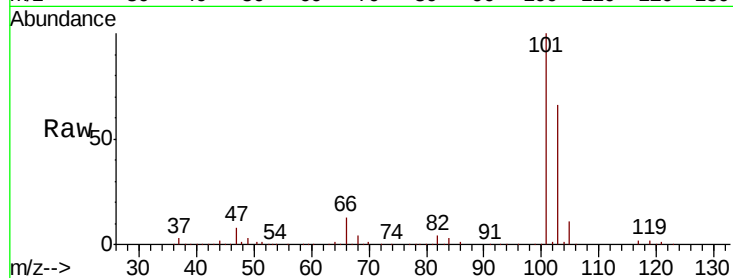
#7
 Trichlorofluoromethane
 Concen: 49.49 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. -0.00 min
 Lab File: VX004091.D
 Acq: 15 Aug 2018 23:34

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		264475		
103	66.2	52.3	78.5		

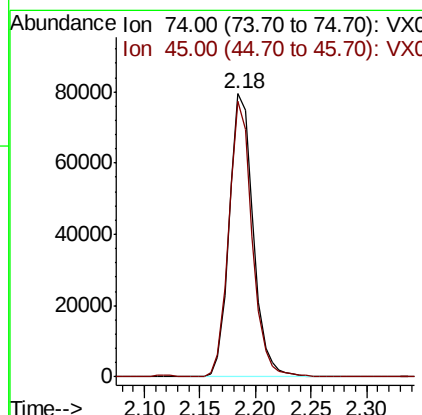
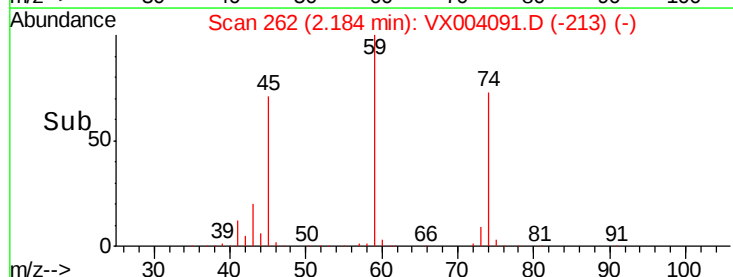
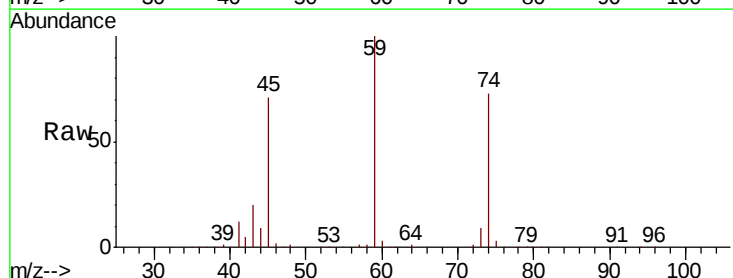
Manual Integrations
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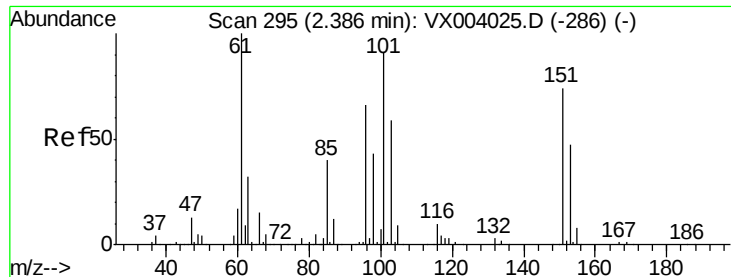
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 8/16/2018 4:39:58 PM



#8
 Diethyl Ether
 Concen: 50.67 ug/l
 RT: 2.18 min Scan# 262
 Delta R.T. -0.00 min
 Lab File: VX004091.D
 Acq: 15 Aug 2018 23:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		118216		
45	94.1	48.3	144.9		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.28 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

Instrument :

MSVOA_X

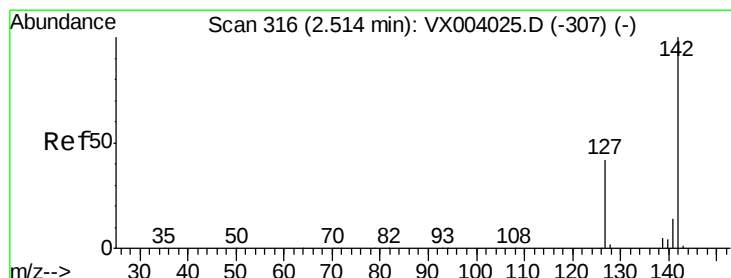
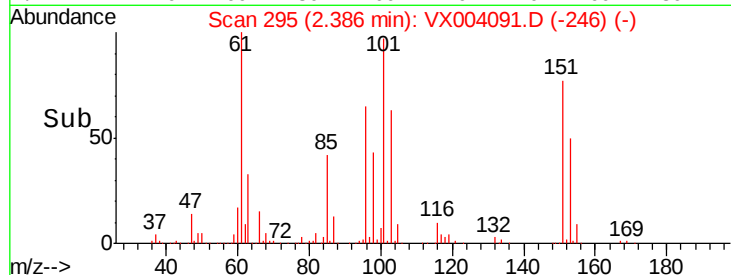
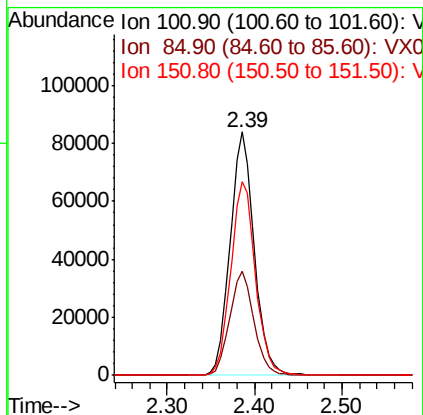
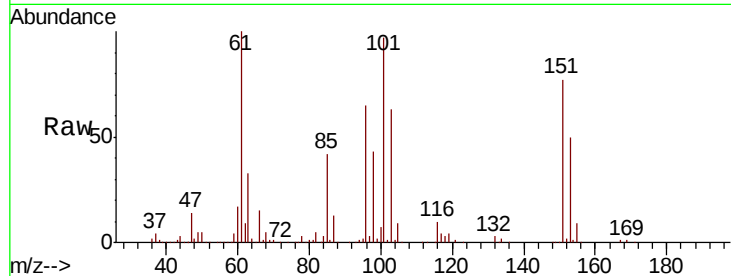
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	160971
Ion Ratio	Lower	Upper	
101	100		
85	43.1	34.2	51.4
151	81.3	65.0	97.4

Manual Integrations
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8/16/2018 4:39:58 PM



#10

Methyl Iodide

Concen: 50.21 ug/l

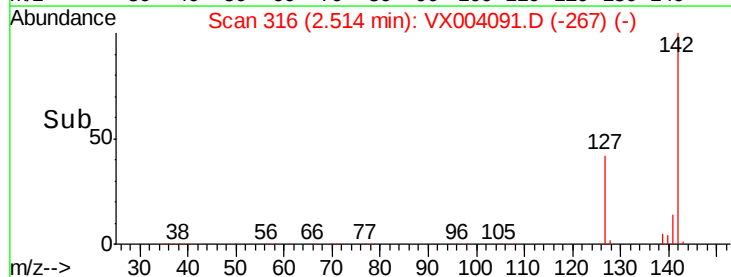
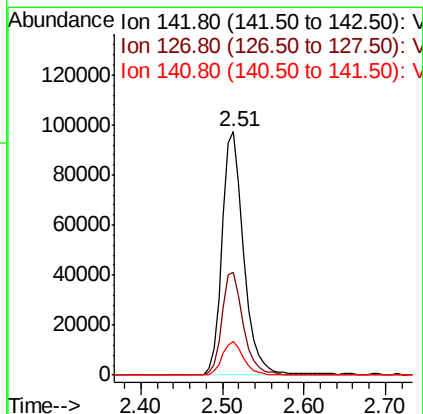
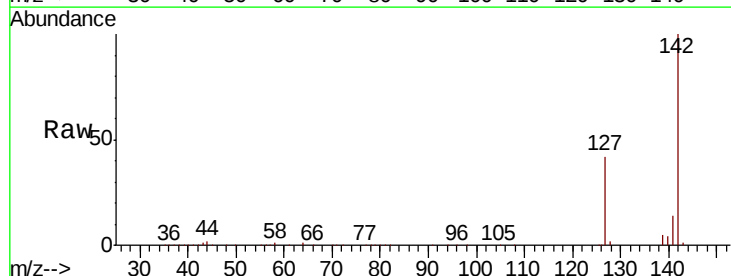
RT: 2.51 min Scan# 316

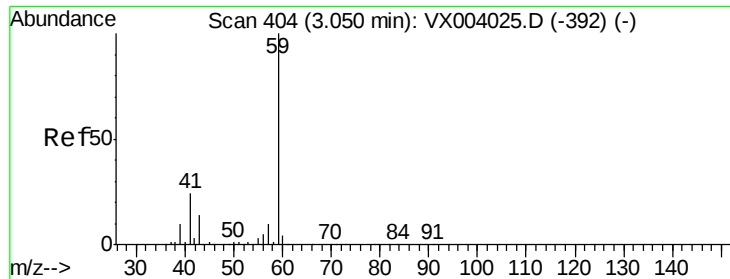
Delta R.T. 0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

Tgt Ion:	142	Resp:	178875
Ion Ratio	Lower	Upper	
142	100		
127	42.0	33.1	49.7
141	14.0	11.1	16.7





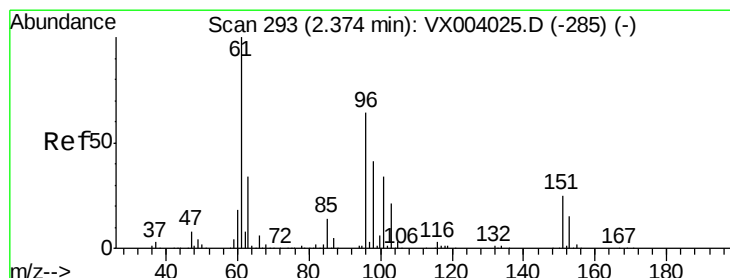
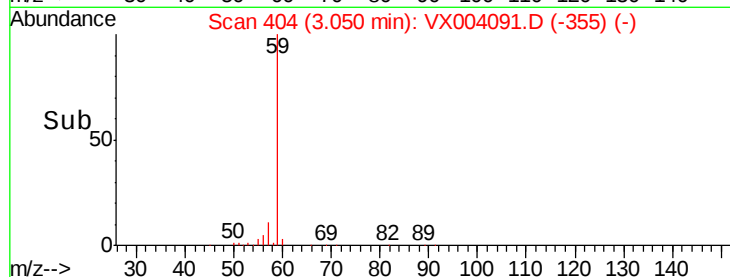
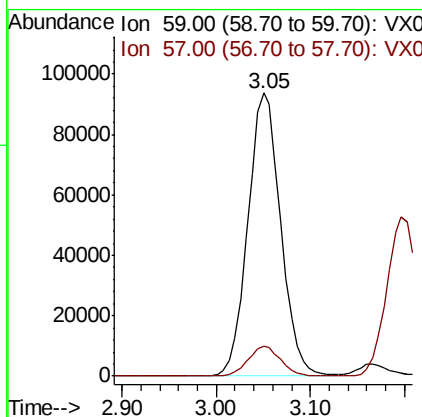
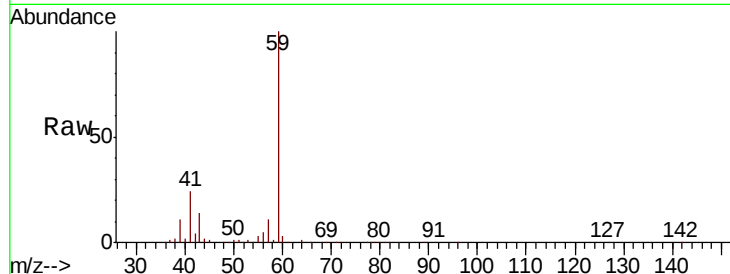
#11
Tert butyl alcohol
Concen: 274.25 ug/l
RT: 3.05 min Scan# 404
Delta R.T. -0.00 min
Lab File: VX004091.D
Acq: 15 Aug 2018 23:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.1	12.1

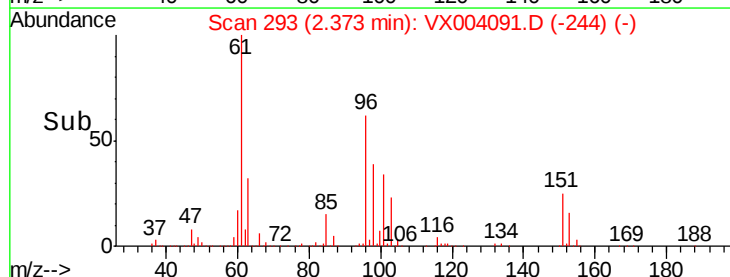
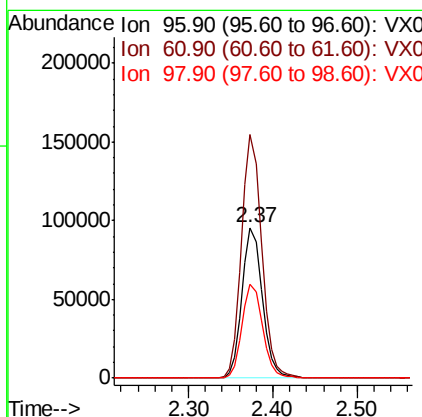
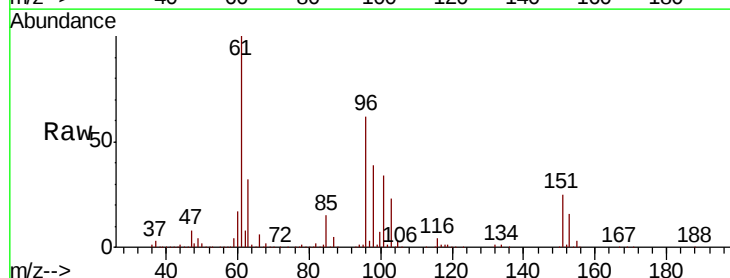
Manual Integrations
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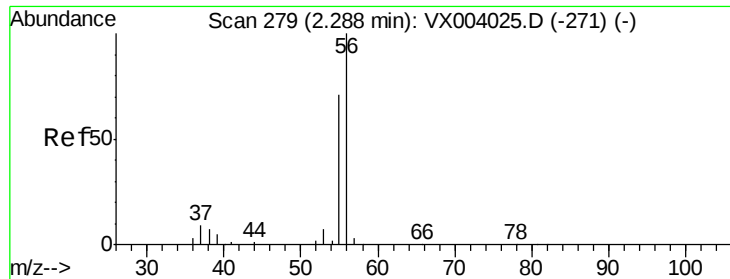
MMDadoda
8/16/2018 4:39:58 PM



#12
1,1-Dichloroethene
Concen: 49.75 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX004091.D
Acq: 15 Aug 2018 23:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.1	131.3	196.9
98	62.7	51.8	77.6





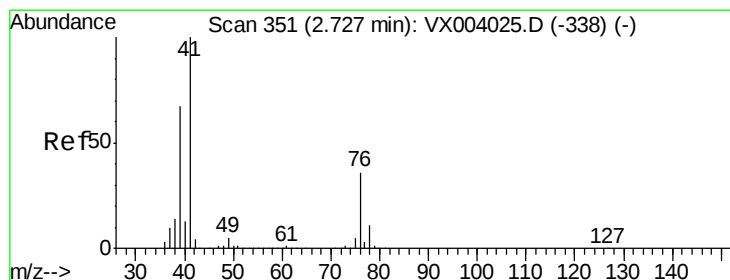
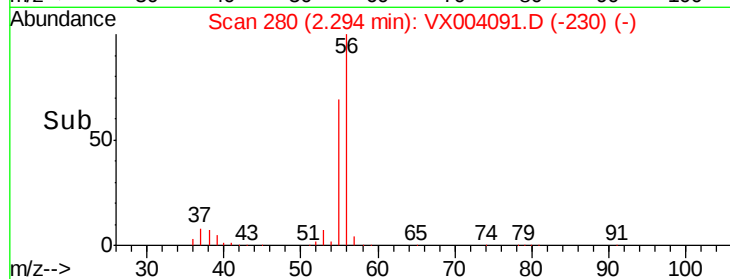
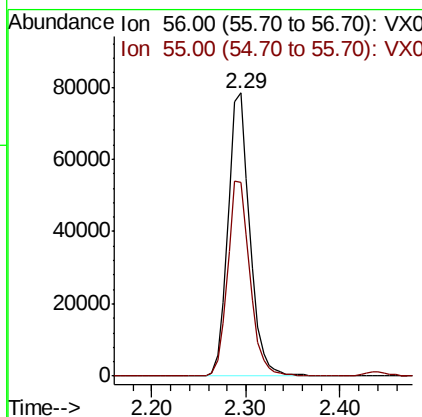
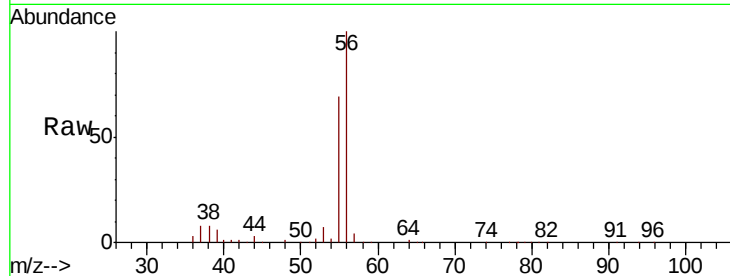
#13
Acrolein
Concen: 223.17 ug/l
RT: 2.29 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX004091.D
Acq: 15 Aug 2018 23:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.5	56.1	84.1

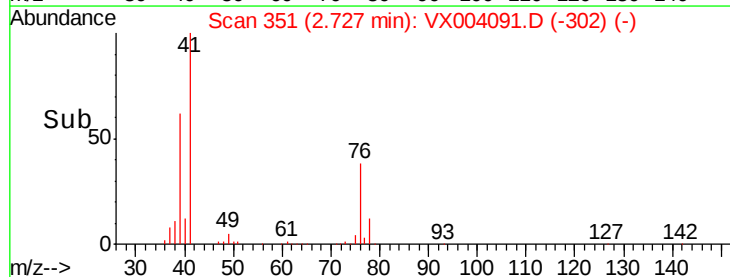
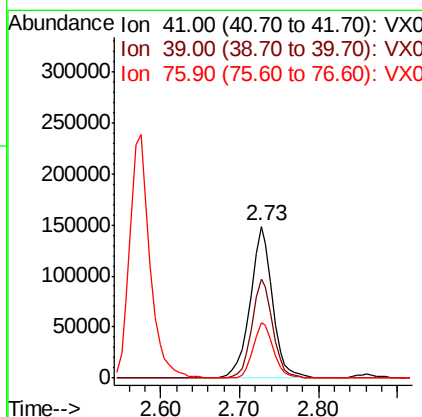
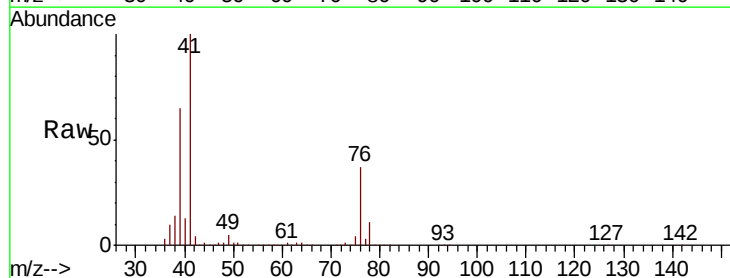
Manual Integrations
APPROVED

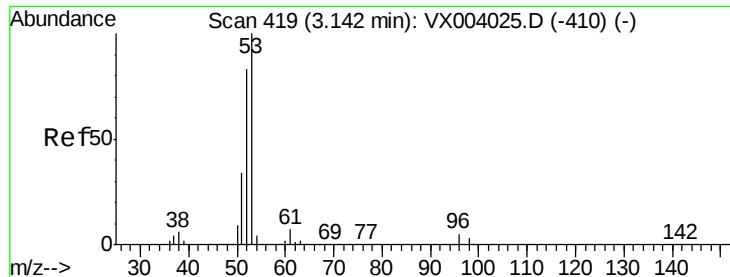
MMDadoda
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#14
Allyl chloride
Concen: 49.10 ug/l
RT: 2.73 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX004091.D
Acq: 15 Aug 2018 23:34

Tgt Ion	Ratio	Lower	Upper
41	100		
39	61.4	47.4	71.0
76	33.7	26.0	39.0





#15

Acrylonitrile

Concen: 265.06 ug/l

RT: 3.14 min Scan# 419

Delta R.T. -0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

Instrument :

MSVOA_X

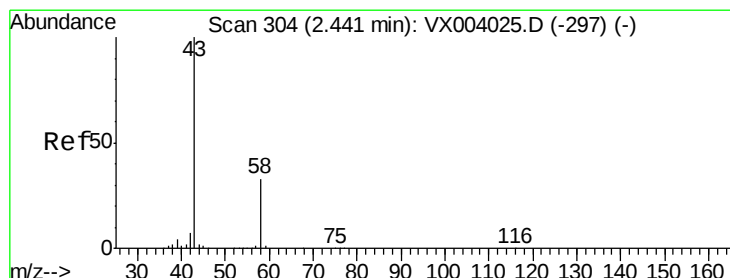
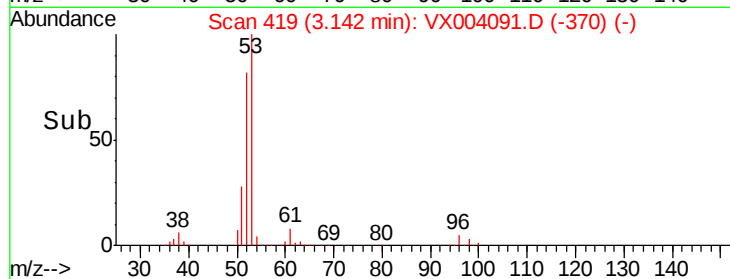
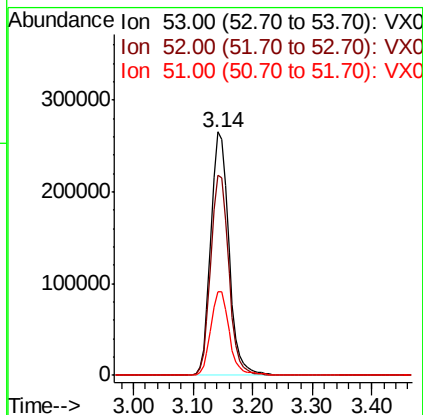
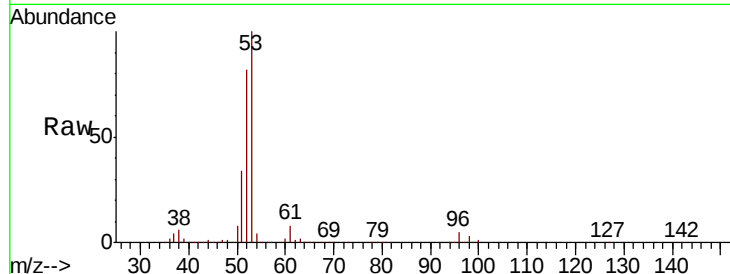
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	552674
Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.3	97.9
51	35.3	27.9	41.9

Manual Integrations
APPROVED

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#16

Acetone

Concen: 260.75 ug/l

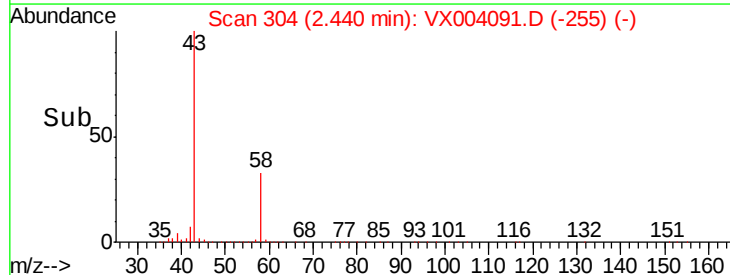
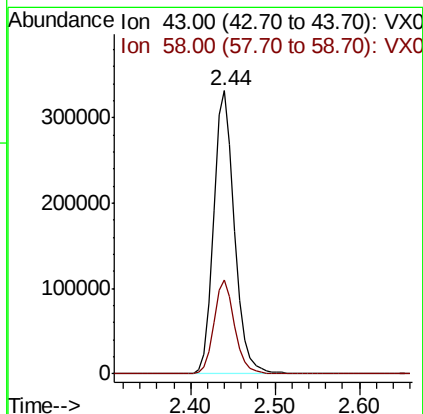
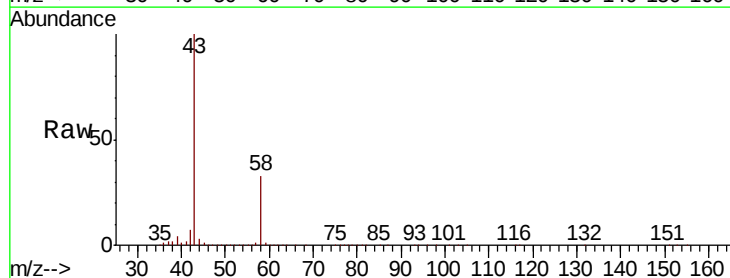
RT: 2.44 min Scan# 304

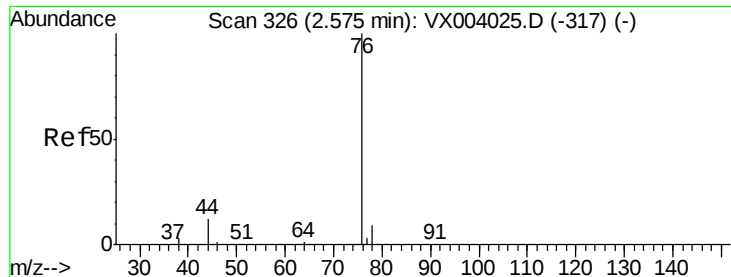
Delta R.T. -0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

Tgt Ion:	43	Resp:	562991
Ion	Ratio	Lower	Upper
43	100		
58	33.1	26.4	39.6





#17

Carbon Disulfide

Concen: 48.38 ug/l

RT: 2.57 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 425519

Ion Ratio Lower Upper

76 100

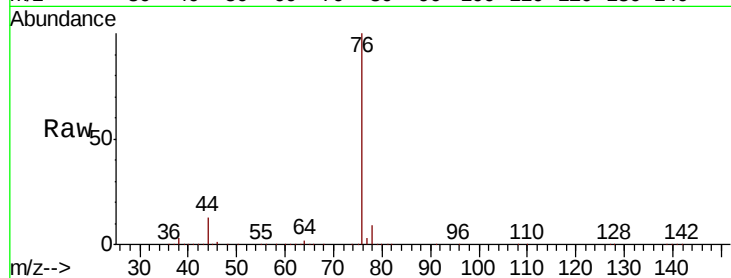
78 9.3 7.5 11.3

Manual Integrations

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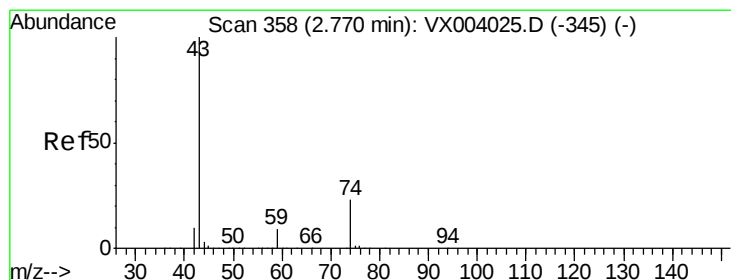
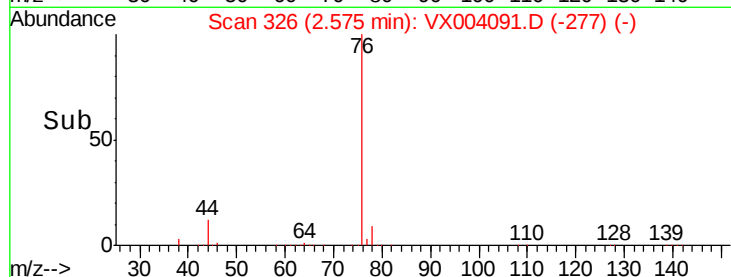
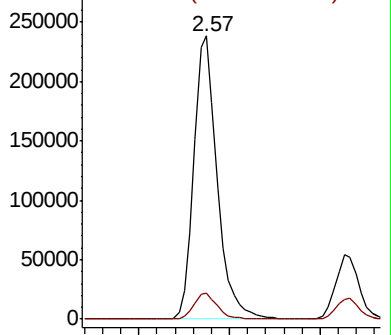
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 54.02 ug/l

RT: 2.77 min Scan# 358

Delta R.T. -0.00 min

Lab File: VX004091.D

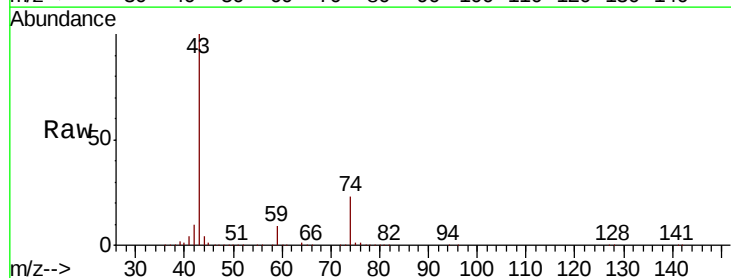
Acq: 15 Aug 2018 23:34

Tgt Ion: 43 Resp: 259197

Ion Ratio Lower Upper

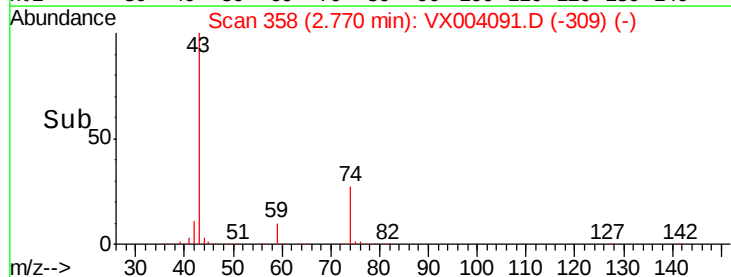
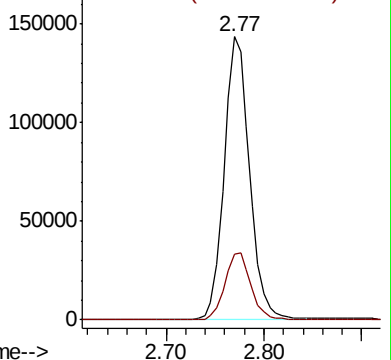
43 100

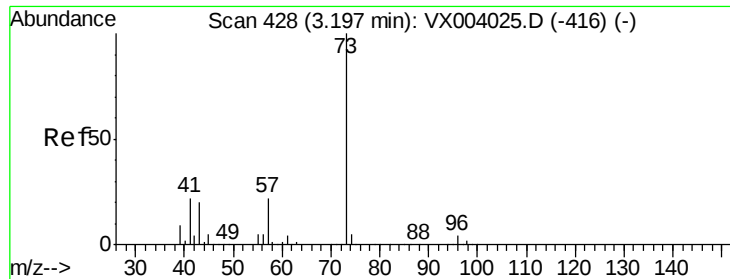
74 24.5 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





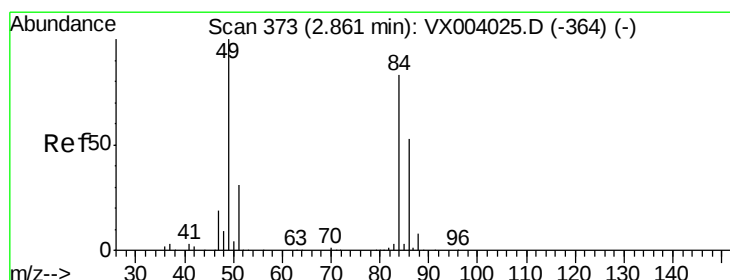
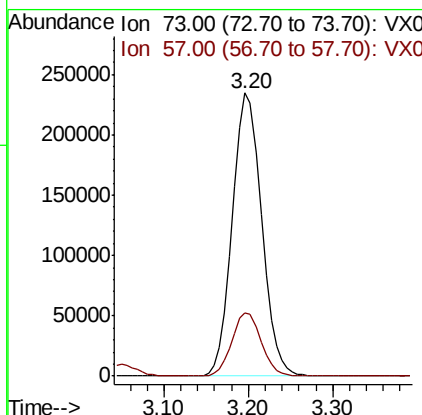
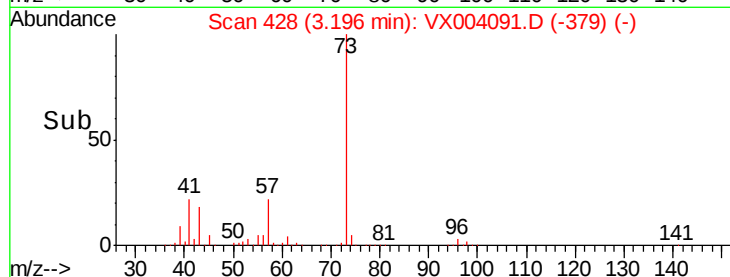
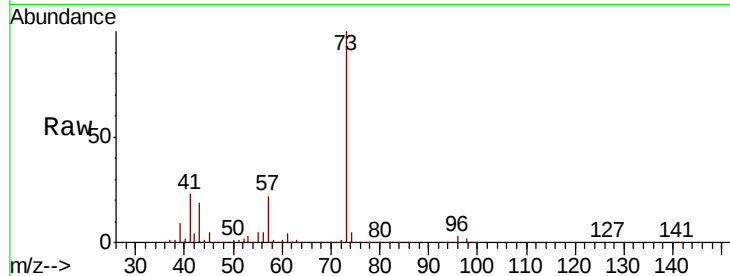
#19
Methvl tert-butvl Ether
Concen: 50.70 ug/l
RT: 3.20 min Scan# 428
Delta R.T. -0.00 min
Lab File: VX004091.D
Acq: 15 Aug 2018 23:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.4	18.0	27.0

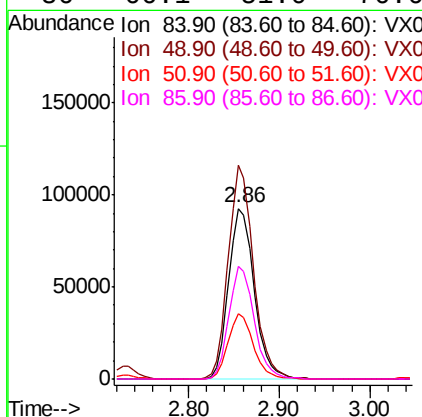
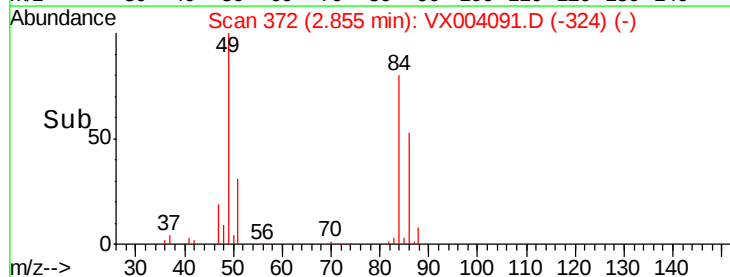
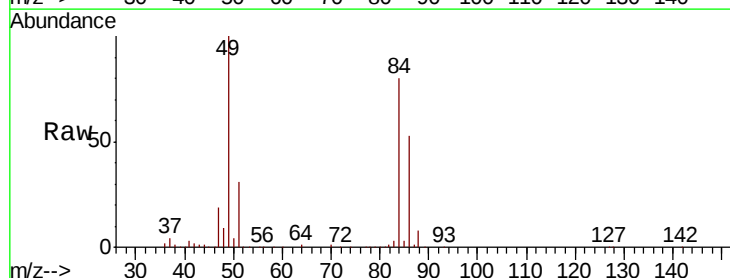
Manual Integrations
APPROVED

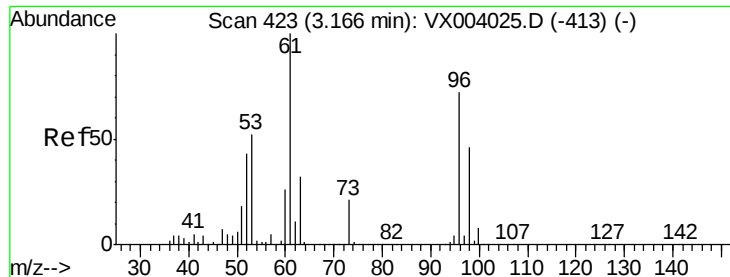
MMDadoda
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#20
Methylene Chloride
Concen: 51.92 ug/l
RT: 2.86 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX004091.D
Acq: 15 Aug 2018 23:34

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.4	98.9	148.3
51	38.6	29.9	44.9
86	66.1	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 48.96 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 172417

Ion Ratio Lower Upper

96 100

61 139.4 111.8 167.6

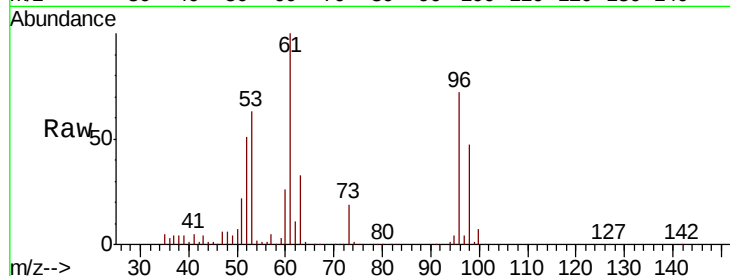
98 64.8 51.8 77.6

Manual Integrations

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MMDadoda

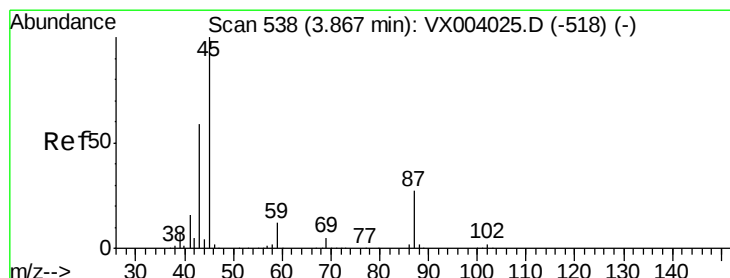
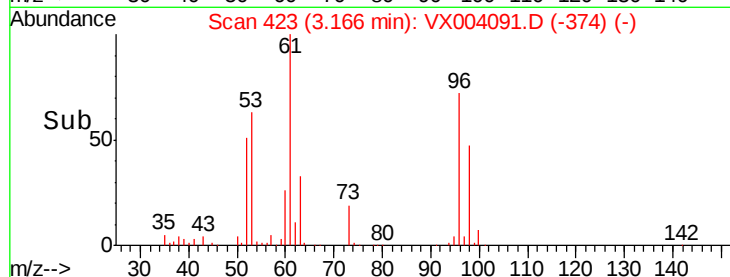
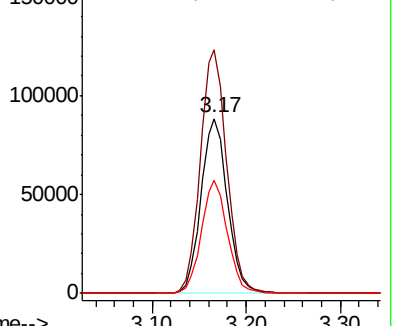
8/16/2018 4:39:58 PM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 50.07 ug/l

RT: 3.87 min Scan# 538

Delta R.T. -0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

Tgt Ion: 45 Resp: 578855

Ion Ratio Lower Upper

45 100

43 60.2 45.3 67.9

87 28.2 22.7 34.1

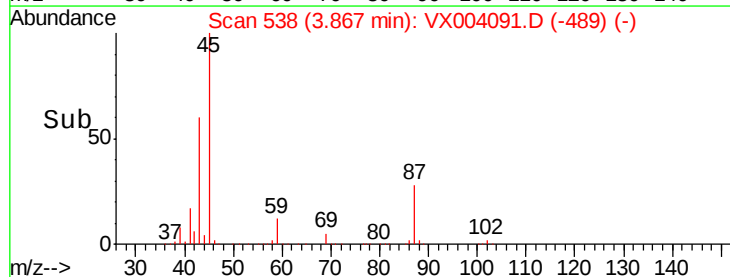
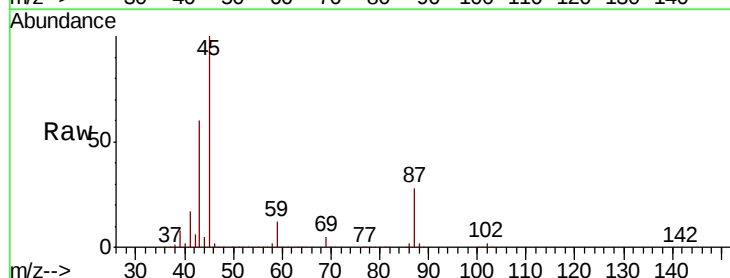
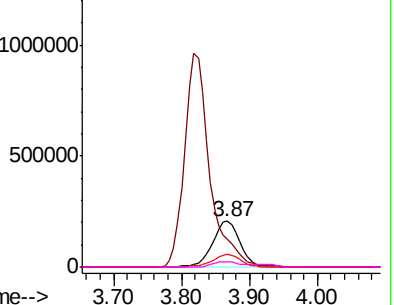
59 11.8 9.6 14.4

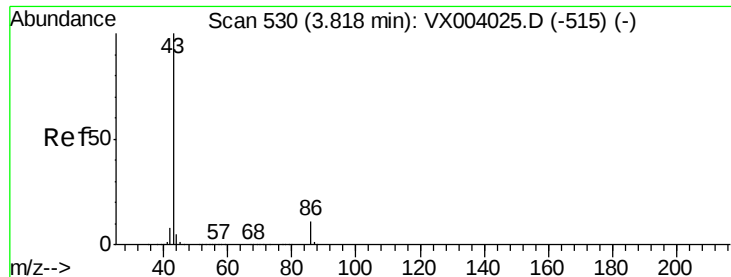
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 261.78 ug/l

RT: 3.82 min Scan# 530

Delta R.T. -0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

Tot Ion: 43 Resp: 2485681

Ion Ratio Lower Upper

43 100

86 10.9 8.9 13.3

Instrument :

MSVOA_X

ClientSampleId :

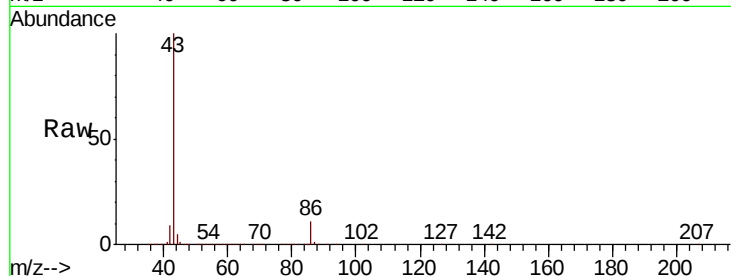
VSTDCCC050EC

Manual Integrations

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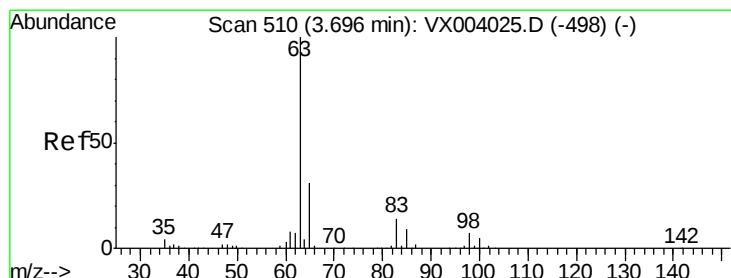
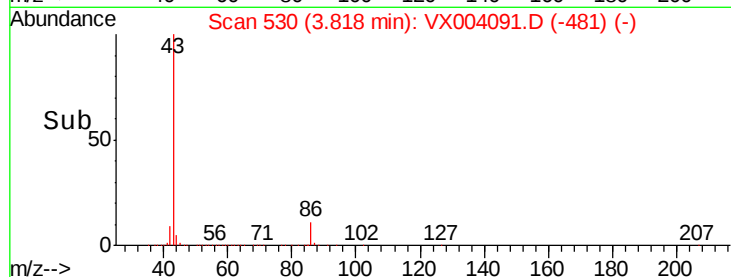
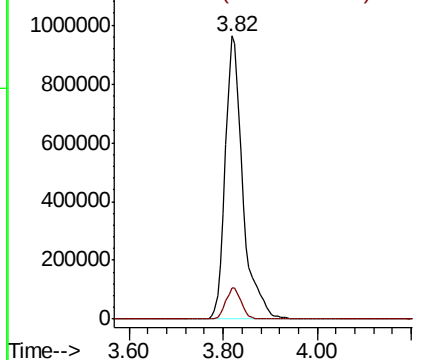
MMDadoda

8/16/2018 4:39:58 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 49.84 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

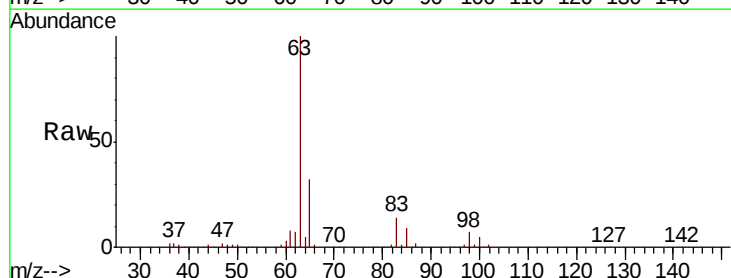
Tgt Ion: 63 Resp: 326350

Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.5

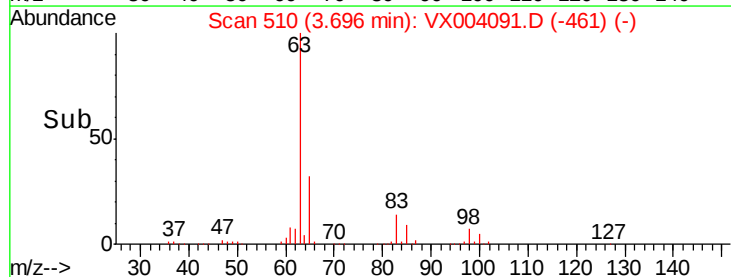
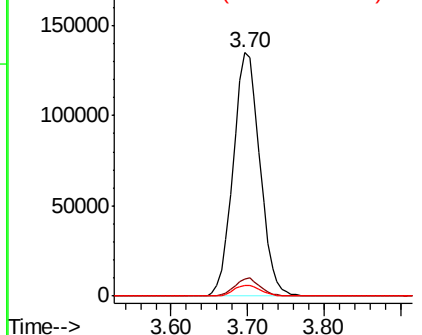
100 4.5 2.3 6.8

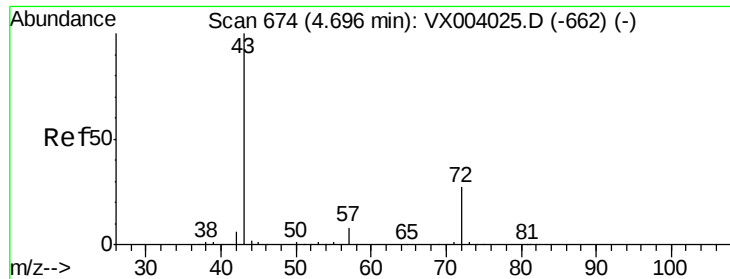


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 266.96 ug/l

RT: 4.70 min Scan# 674

Delta R.T. -0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 937858

Ion Ratio Lower Upper

43 100

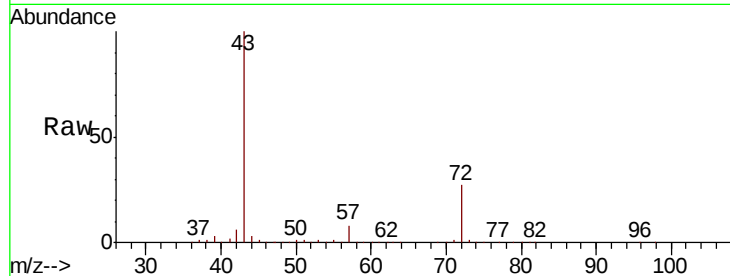
72 27.1 21.4 32.0

Manual Integrations

APPROVED

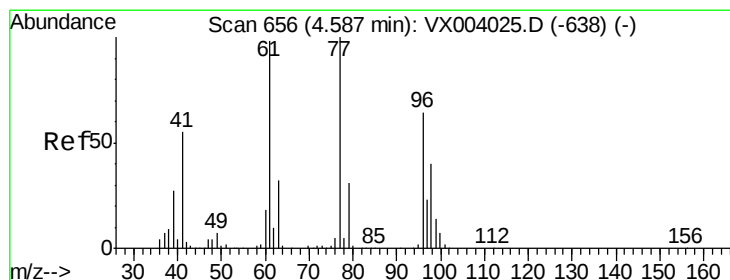
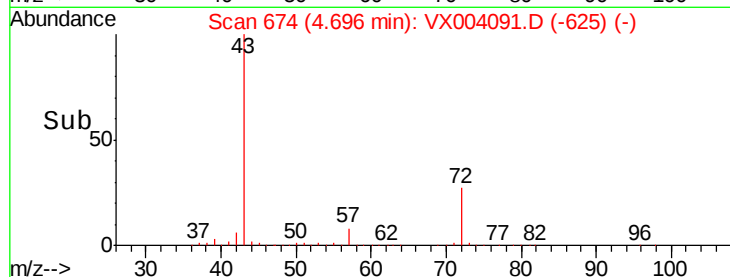
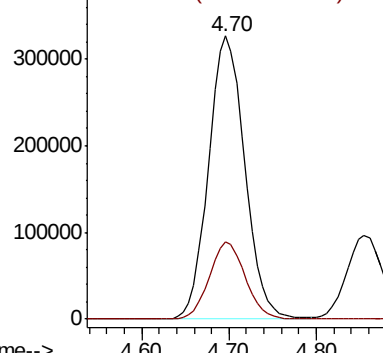
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 35.19 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX004091.D

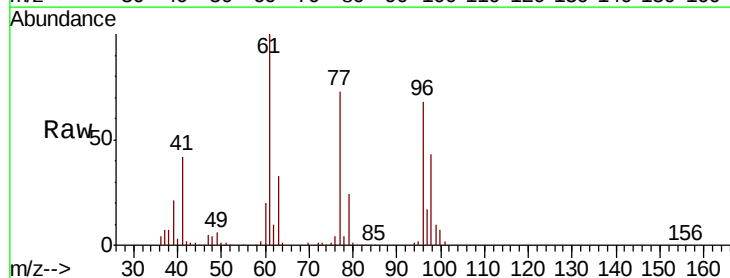
Acq: 15 Aug 2018 23:34

Tgt Ion: 77 Resp: 183193

Ion Ratio Lower Upper

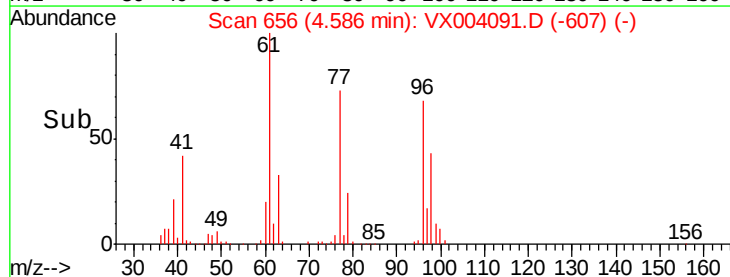
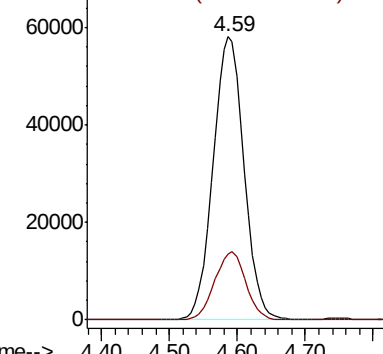
77 100

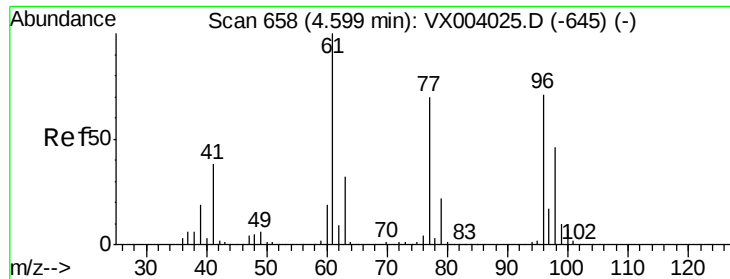
97 24.3 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

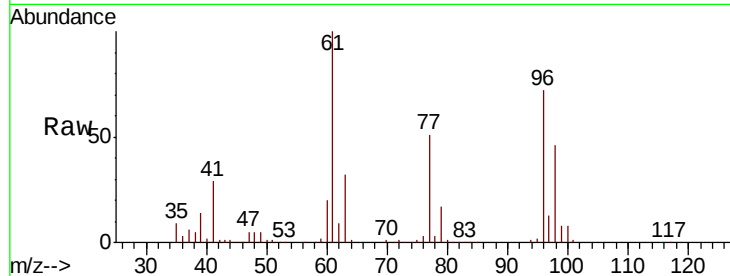
cis-1,2-Dichloroethene
Concen: 49.75 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.00 min
Lab File: VX004091.D
Acq: 15 Aug 2018 23:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

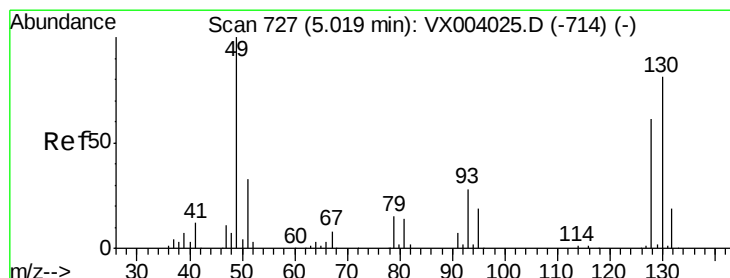
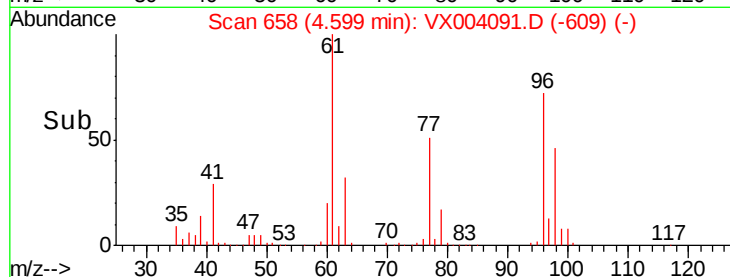
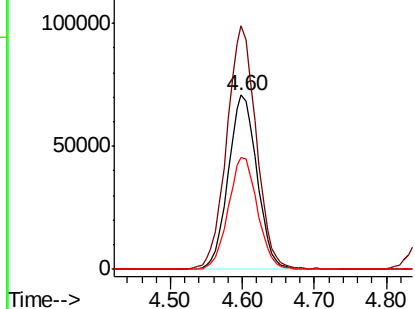
Tot Ion	Ratio	Resp	Lower	Upper
96	100	196991		
61	142.9	0.0	293.0	
98	64.9	0.0	131.8	

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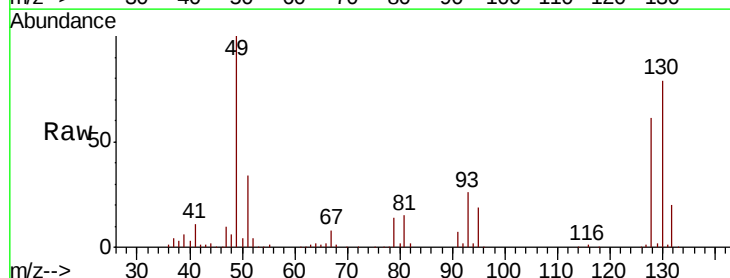
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



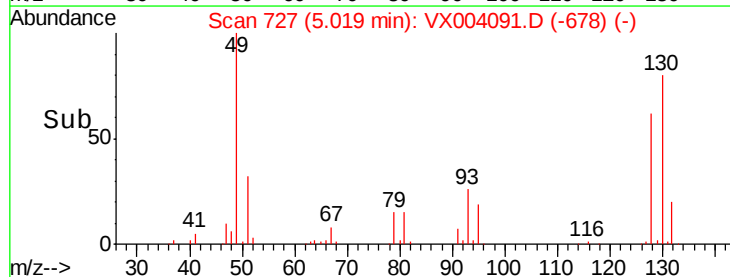
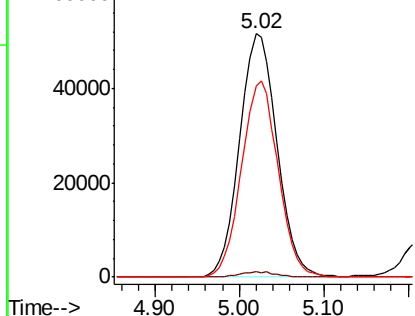
#28

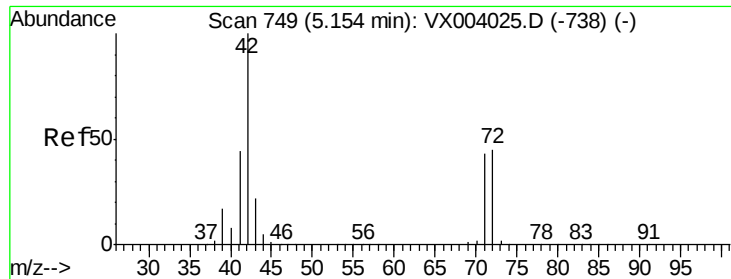
Bromochloromethane
Concen: 51.87 ug/l
RT: 5.02 min Scan# 727
Delta R.T. -0.00 min
Lab File: VX004091.D
Acq: 15 Aug 2018 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	155825		
129	2.1	0.0	4.2	
130	78.9	66.5	99.7	



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





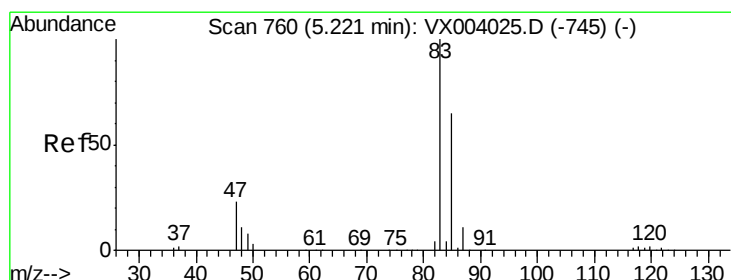
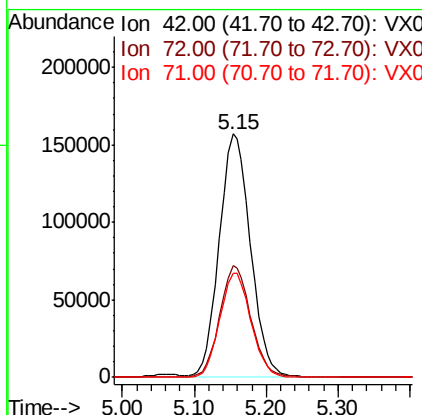
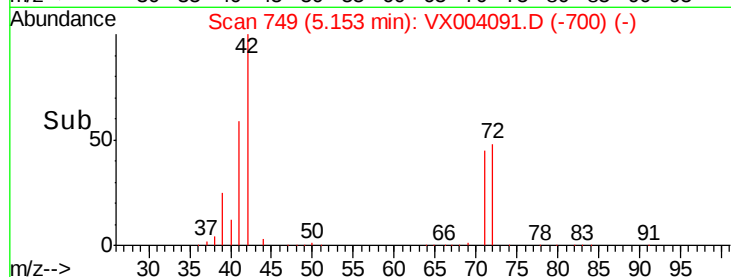
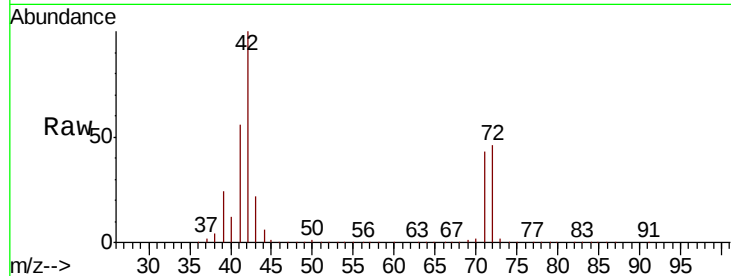
#29
Tetrahydrofuran
Concen: 263.64 ug/l
RT: 5.15 min Scan# 749
Delta R.T. -0.00 min
Lab File: VX004091.D
Acq: 15 Aug 2018 23:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.8	37.7	56.5
71	42.7	35.0	52.6

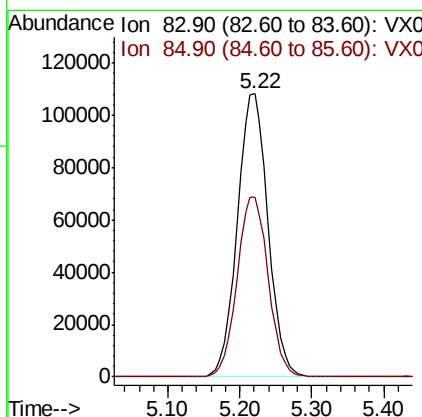
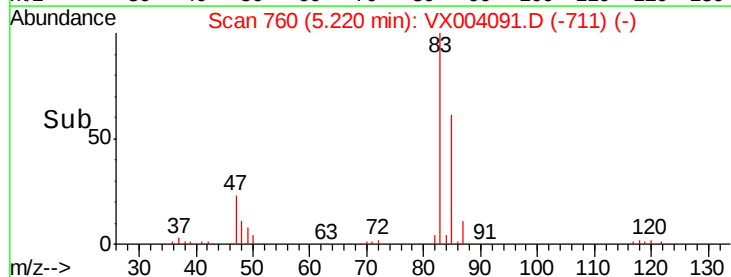
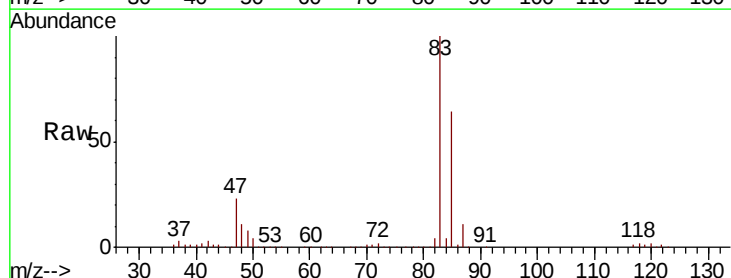
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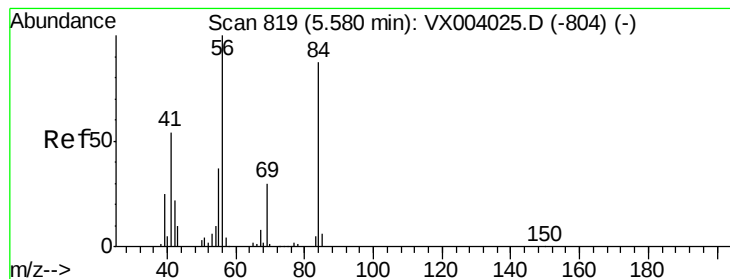
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#30
Chloroform
Concen: 49.94 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX004091.D
Acq: 15 Aug 2018 23:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.7	76.1





#31

Cyclohexane

Concen: 48.15 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

Instrument :

MSVOA_X

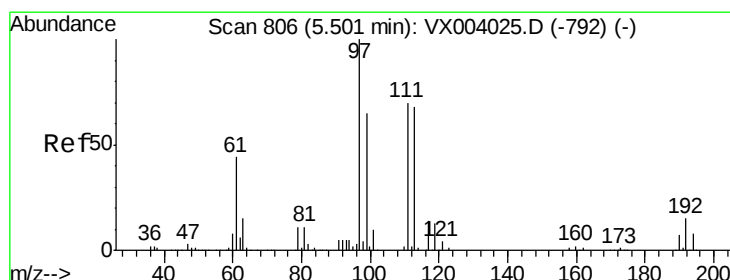
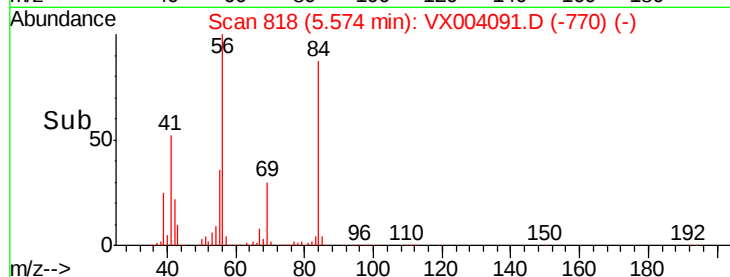
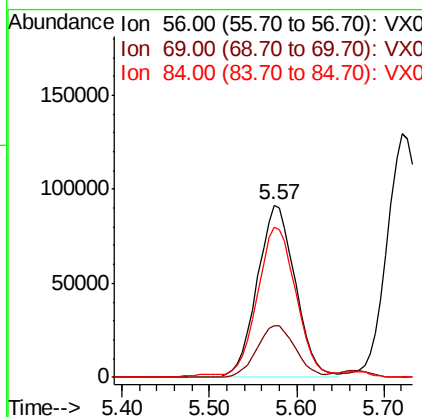
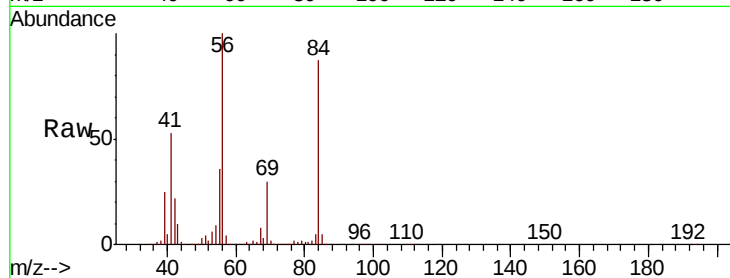
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	276405
Ion Ratio	Lower	Upper	
56	100		
69	29.8	24.9	37.3
84	86.4	71.7	107.5

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#32

1,1,1-Trichloroethane

Concen: 50.54 ug/l

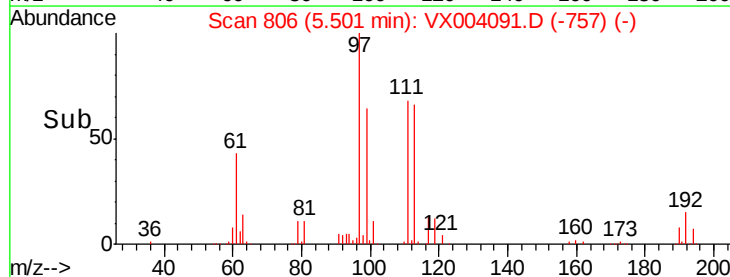
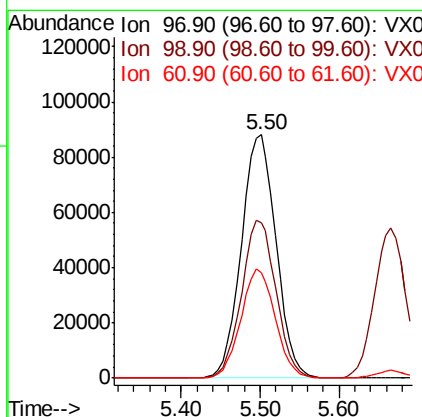
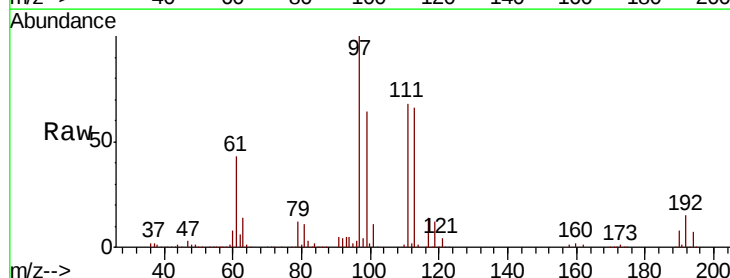
RT: 5.50 min Scan# 806

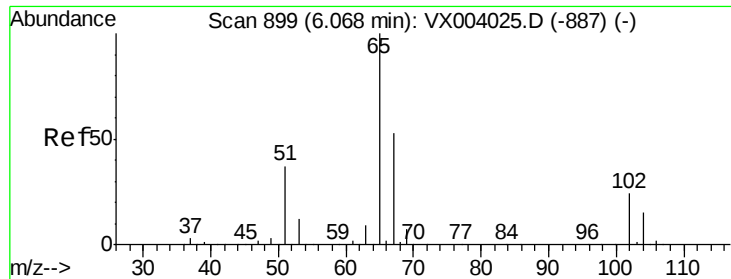
Delta R.T. -0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

Tgt Ion:	97	Resp:	269889
Ion Ratio	Lower	Upper	
97	100		
99	64.4	51.8	77.8
61	44.5	34.4	51.6





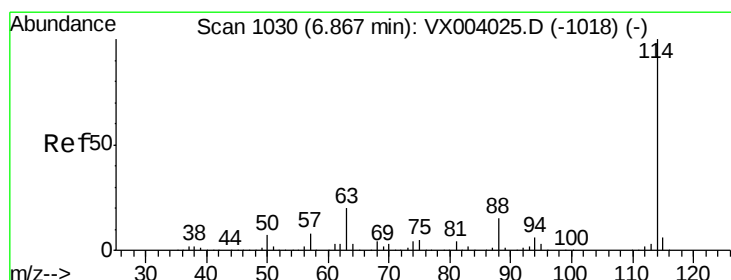
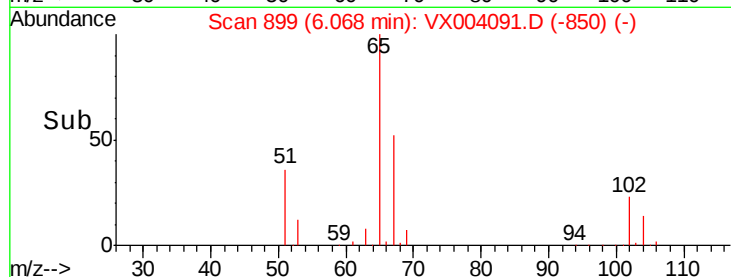
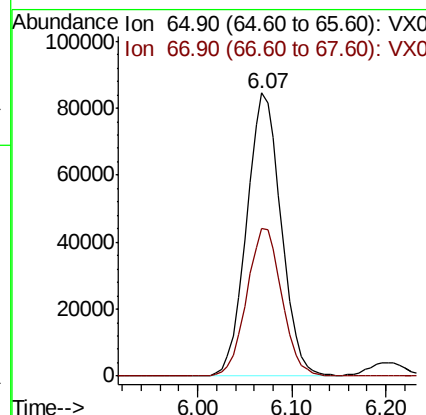
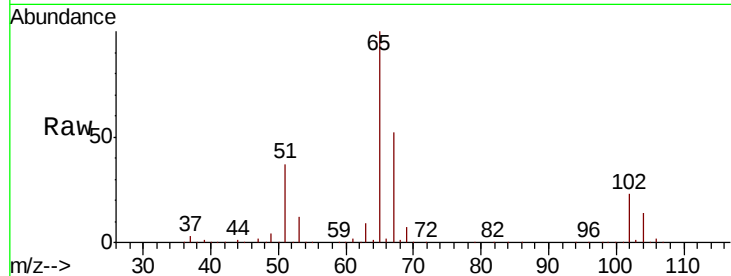
#33
 1,2-Dichloroethane-d4
 Concen: 52.25 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004091.D
 Acq: 15 Aug 2018 23:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	216979		
67	53.1	0.0	105.8	

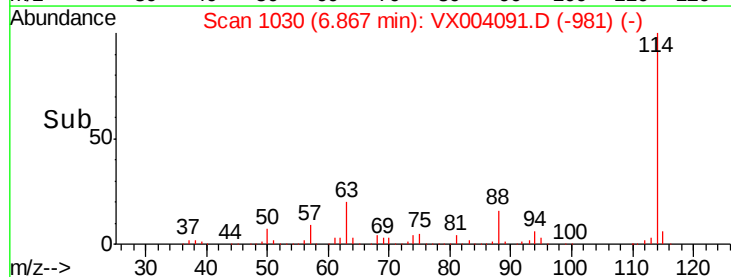
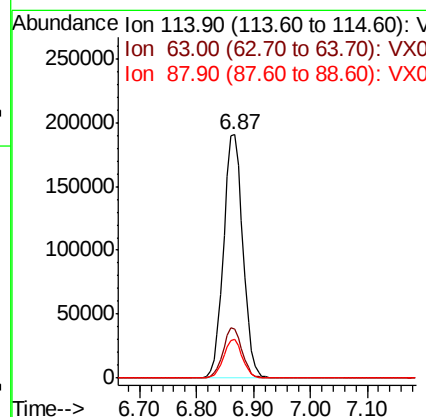
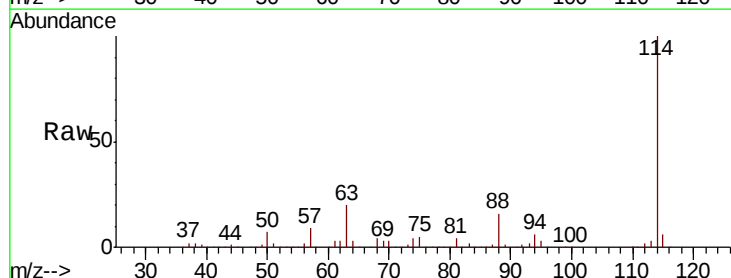
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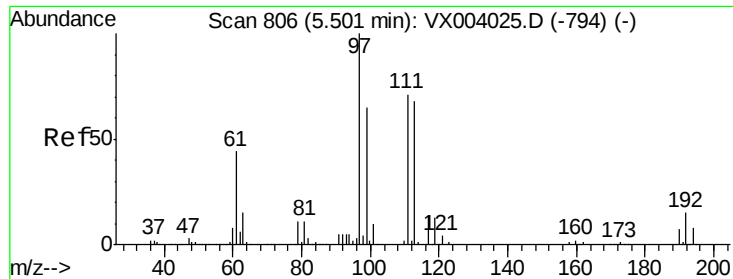
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX004091.D
 Acq: 15 Aug 2018 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	449037		
63	20.3	0.0	39.0	
88	15.8	0.0	32.0	





#35

Dibromofluoromethane

Concen: 50.68 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

Instrument :

MSVOA_X

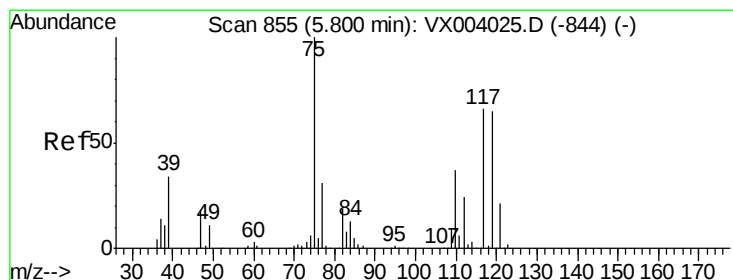
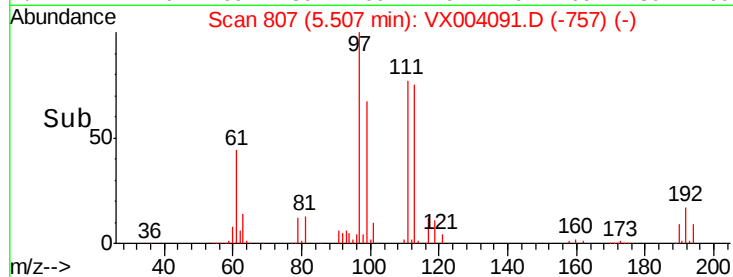
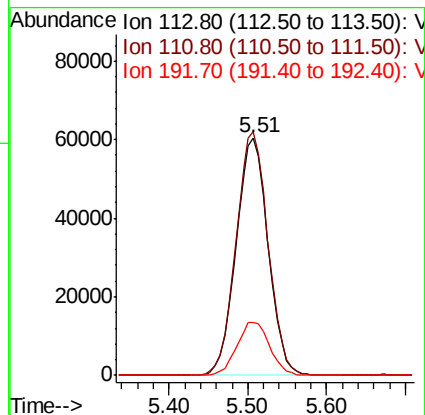
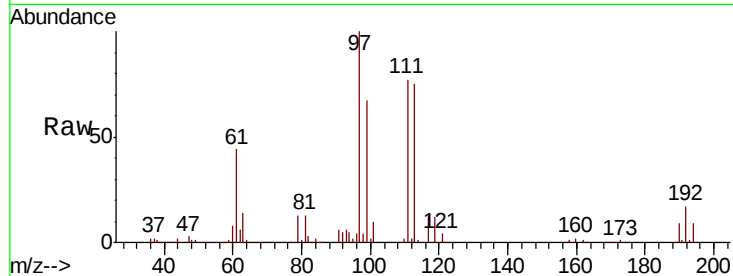
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	170329
Ion Ratio	Lower	Upper	
113	100		
111	102.5	82.0	123.0
192	22.9	19.0	28.4

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#36

1,1-Dichloropropene

Concen: 47.75 ug/l

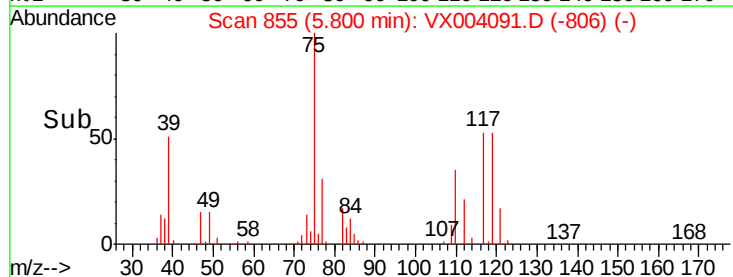
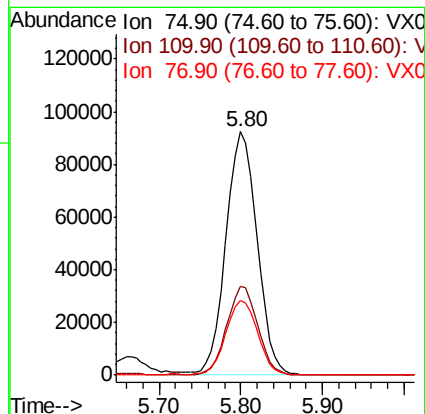
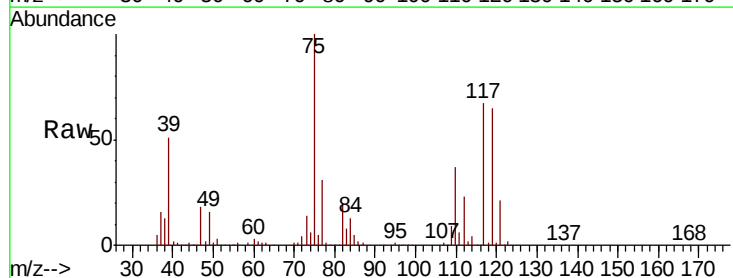
RT: 5.80 min Scan# 855

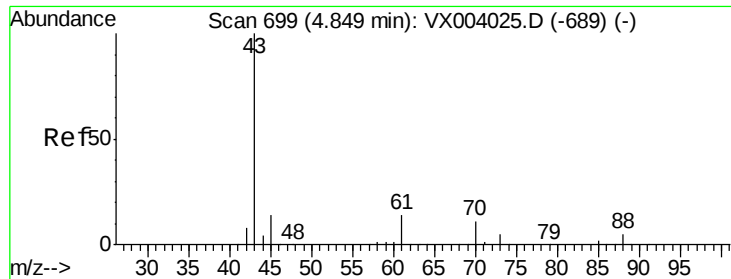
Delta R.T. -0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

Tgt Ion:	75	Resp:	243997
Ion Ratio	Lower	Upper	
75	100		
110	36.4	18.2	54.6
77	31.3	25.0	37.4





#37

Ethyl Acetate

Concen: 50.83 ug/l

RT: 4.85 min Scan# 700

Delta R.T. 0.01 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

Instrument :

MSVOA_X

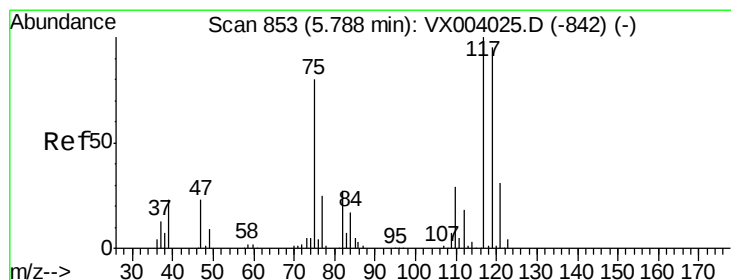
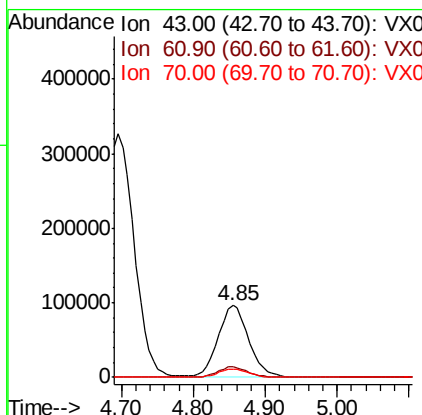
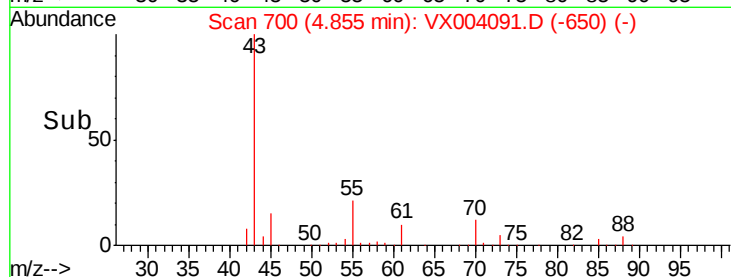
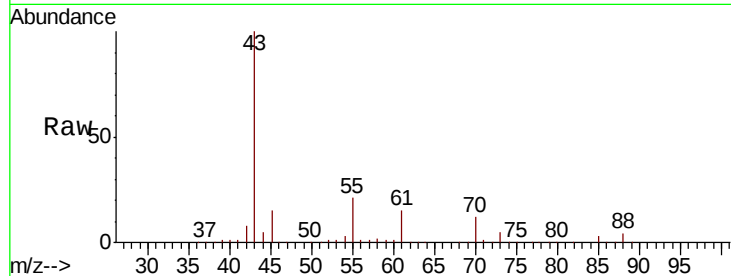
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	282838
Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.5	17.3
70	11.2	9.0	13.4

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#38

Carbon Tetrachloride

Concen: 48.96 ug/l

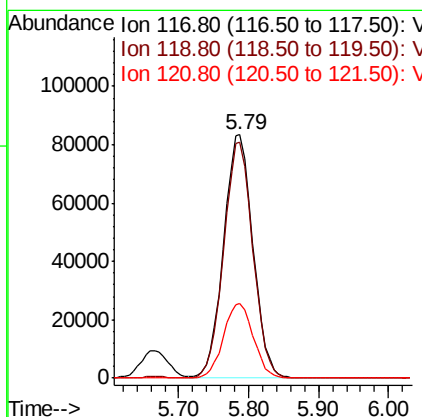
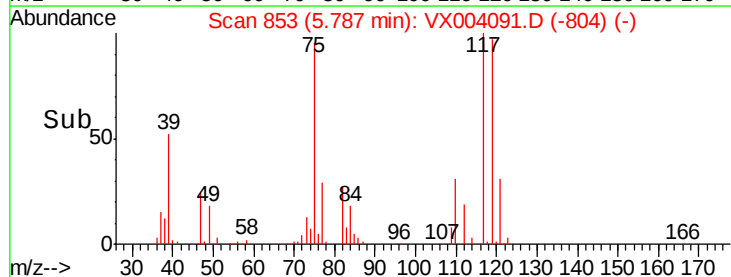
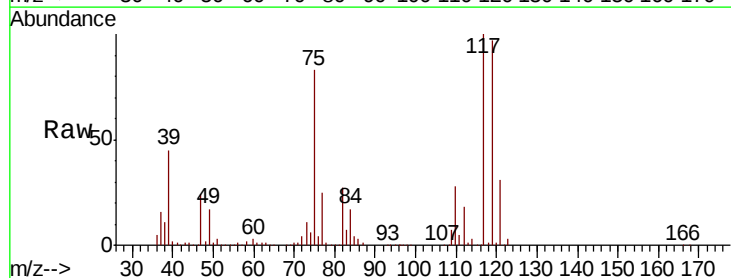
RT: 5.79 min Scan# 853

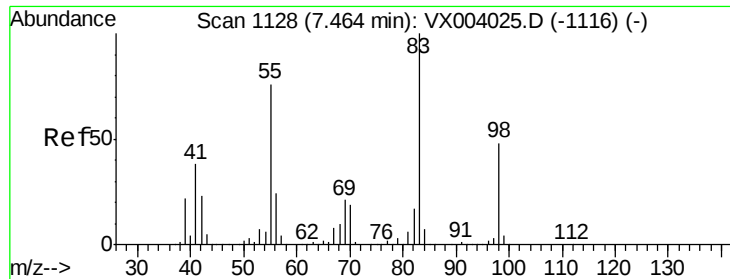
Delta R.T. -0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

Tgt Ion:	117	Resp:	243056
Ion	Ratio	Lower	Upper
117	100		
119	97.1	79.5	119.3
121	30.5	25.0	37.4





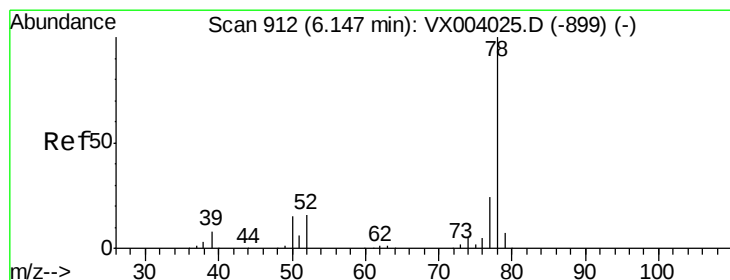
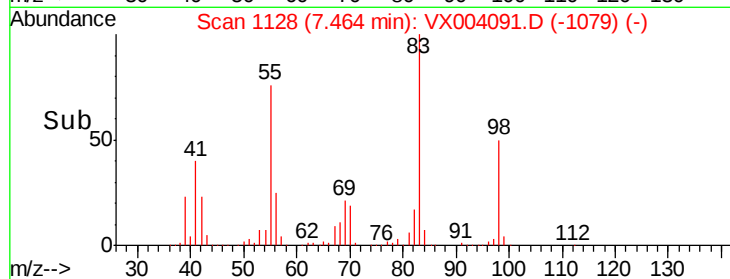
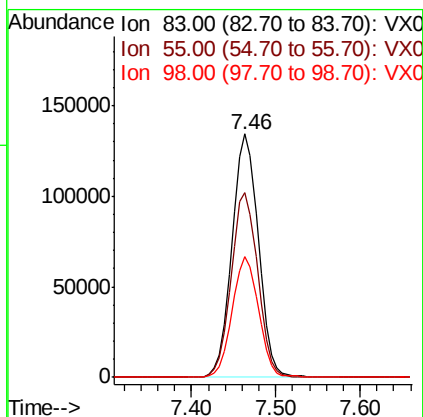
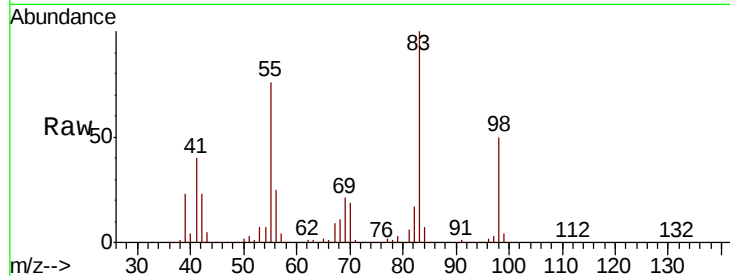
#39
Methvlcvclohexane
Concen: 49.20 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX004091.D
Acq: 15 Aug 2018 23:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.7	61.0	91.6
98	49.6	38.6	57.8

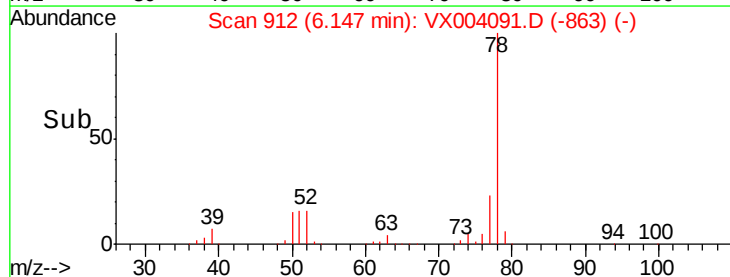
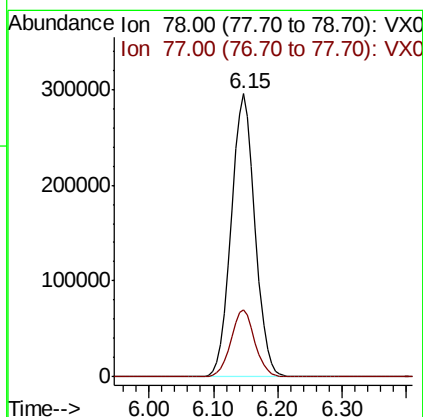
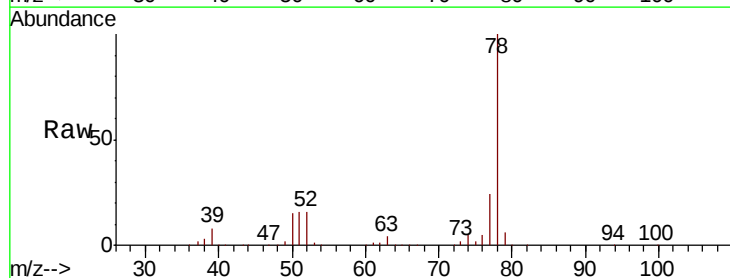
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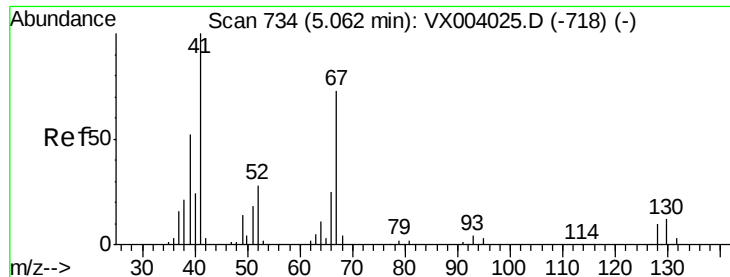
MMDadoda
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#40
Benzene
Concen: 49.64 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX004091.D
Acq: 15 Aug 2018 23:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.4





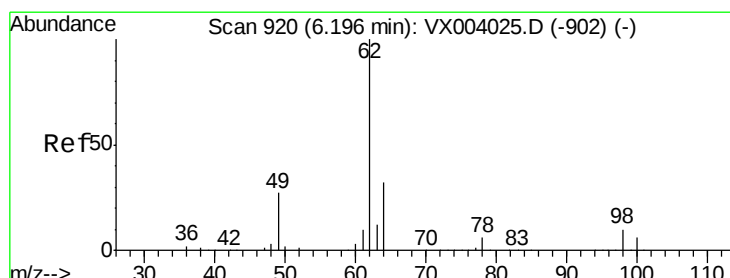
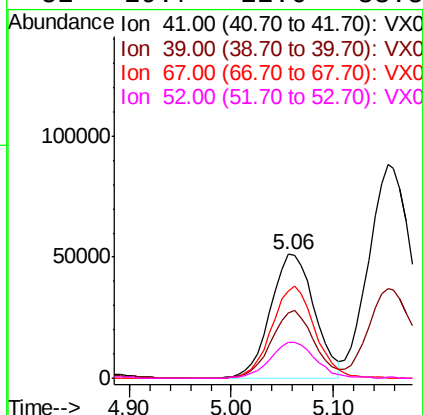
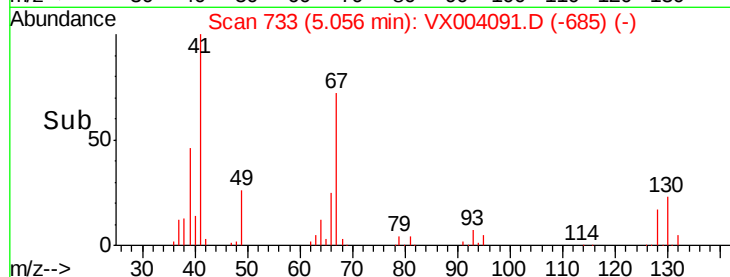
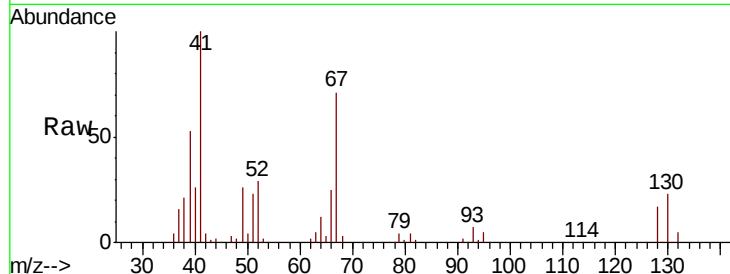
#41
Methacrylonitrile
Concen: 48.94 ug/l
RT: 5.06 min Scan# 733
Delta R.T. -0.01 min
Lab File: VX004091.D
Acq: 15 Aug 2018 23:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.9	42.7	64.1	
67	73.4	58.9	88.3	
52	29.7	22.6	33.8	

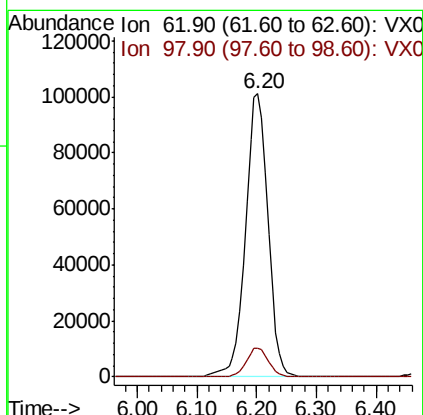
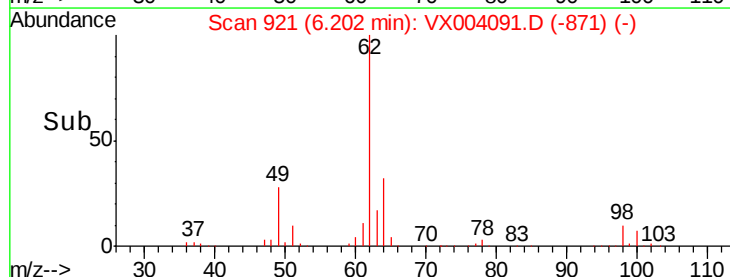
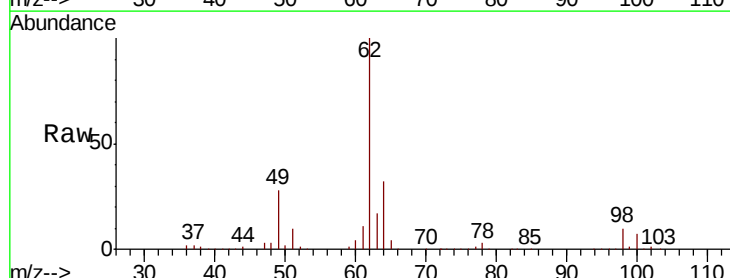
Manual Integrations
APPROVED

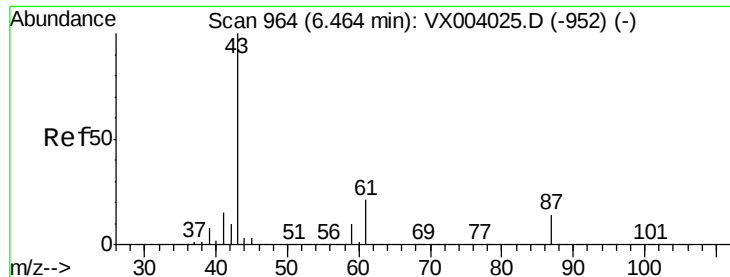
MMDadoda
8/16/2018 4:39:58 PM



#42
1,2-Dichloroethane
Concen: 49.36 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.01 min
Lab File: VX004091.D
Acq: 15 Aug 2018 23:34

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.9	0.0	20.4	





#43

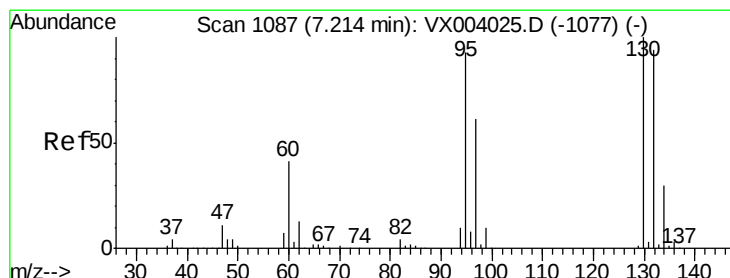
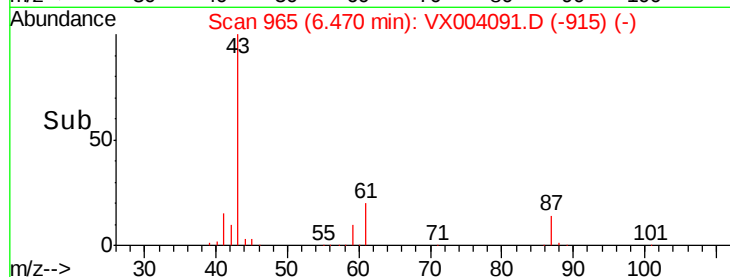
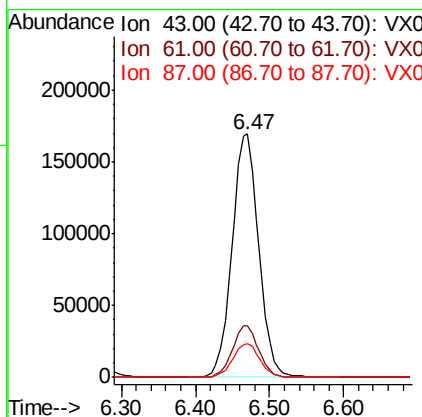
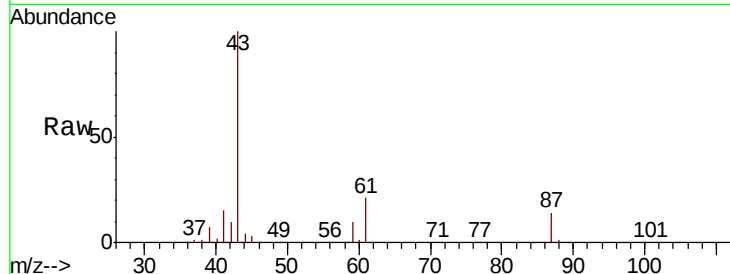
Isopropyl Acetate
 Concen: 51.56 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.01 min
 Lab File: VX004091.D
 Acq: 15 Aug 2018 23:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.9	16.9	25.3
87	14.0	11.3	16.9

Manual Integrations
 APPROVED

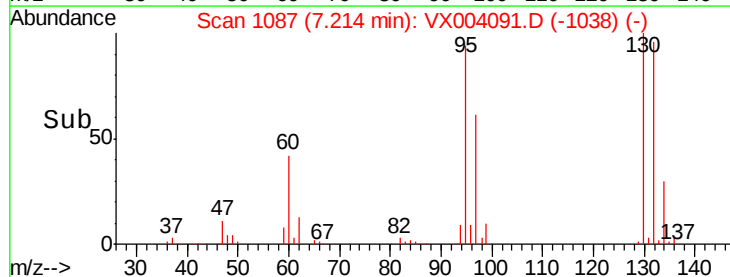
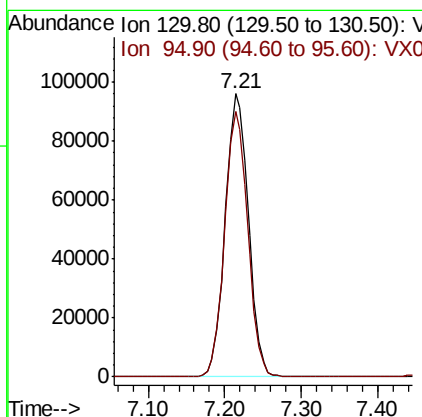
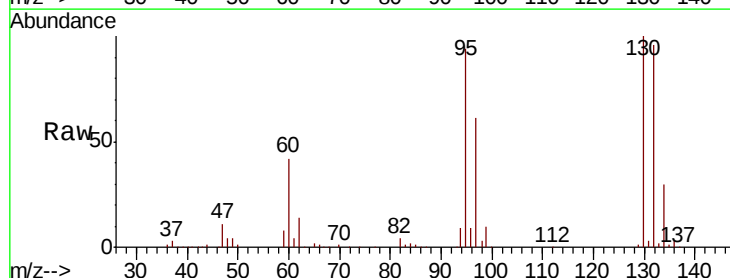
MMDadoda
 8/16/2018 4:39:58 PM

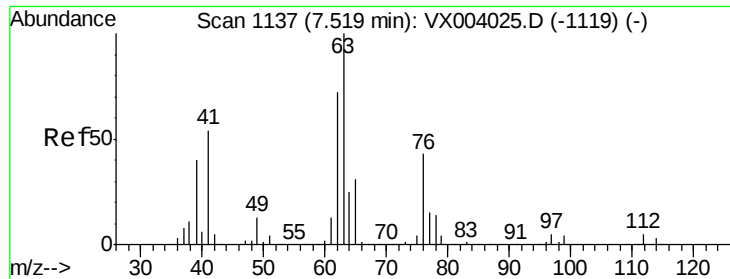


#44

Trichloroethene
 Concen: 48.57 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX004091.D
 Acq: 15 Aug 2018 23:34

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.7	0.0	199.4





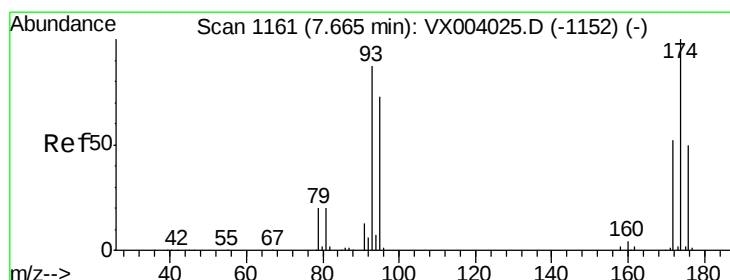
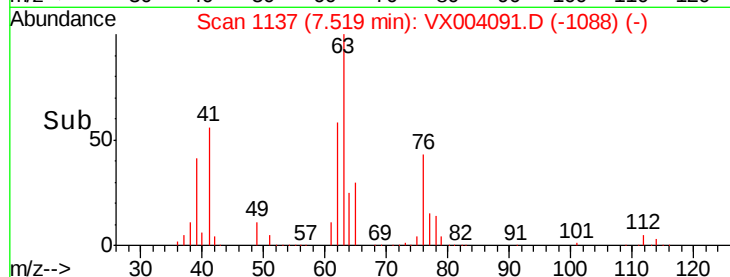
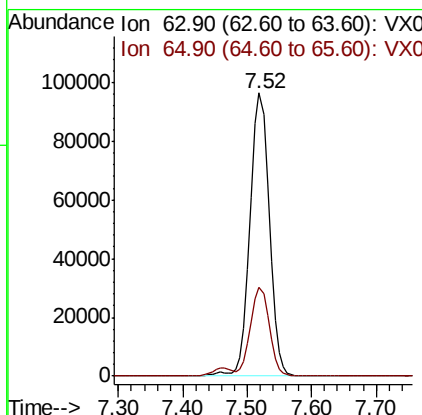
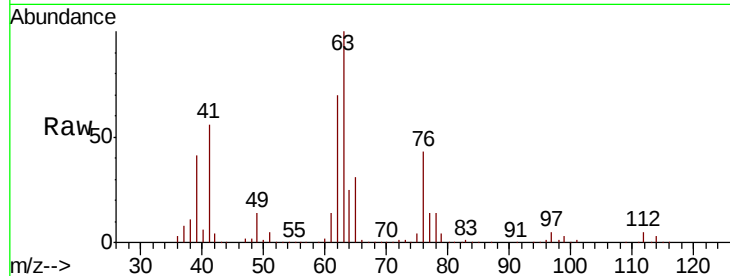
#45
 1,2-Dichloropropane
 Concen: 50.16 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX004091.D
 Acq: 15 Aug 2018 23:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.6	36.8

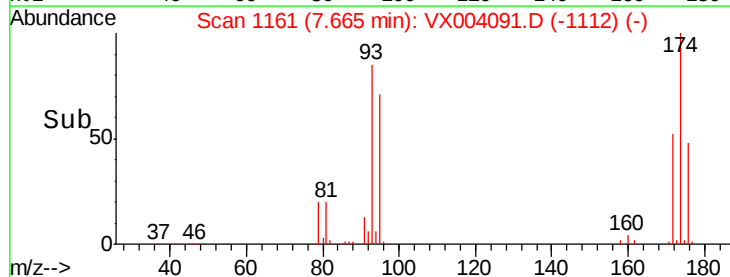
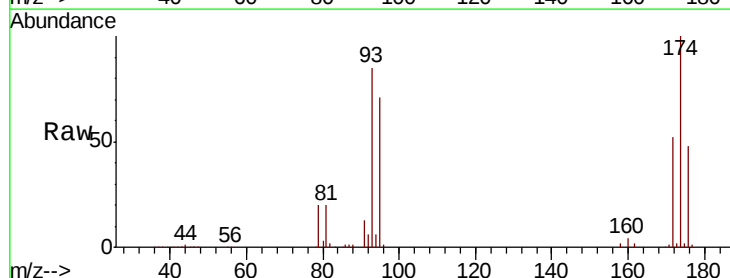
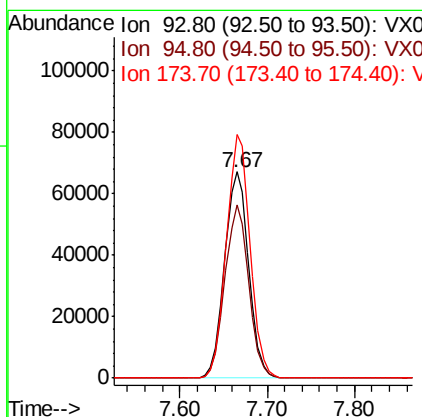
Manual Integrations
 APPROVED

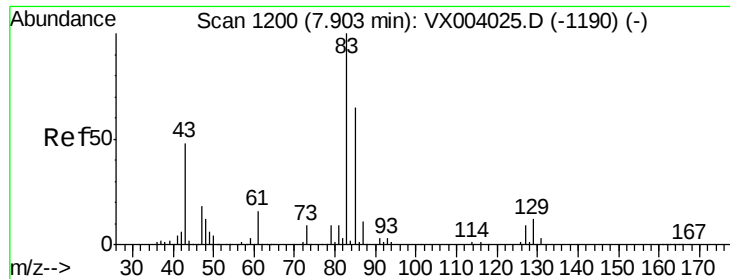
MMDadoda
 8/16/2018 4:39:58 PM



#46
 Dibromomethane
 Concen: 50.02 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX004091.D
 Acq: 15 Aug 2018 23:34

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.5	66.4	99.6
174	116.7	94.3	141.5





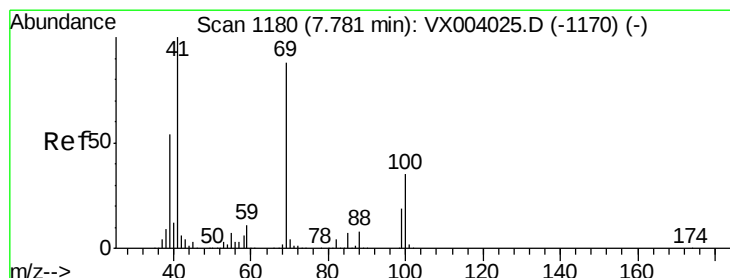
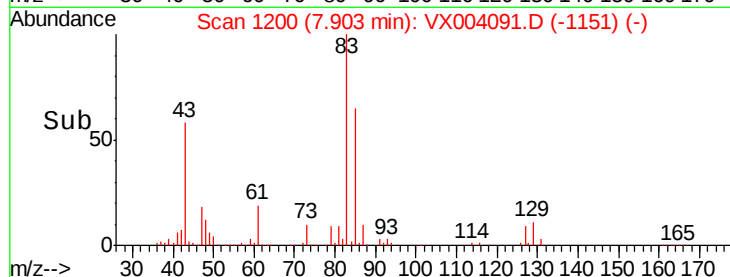
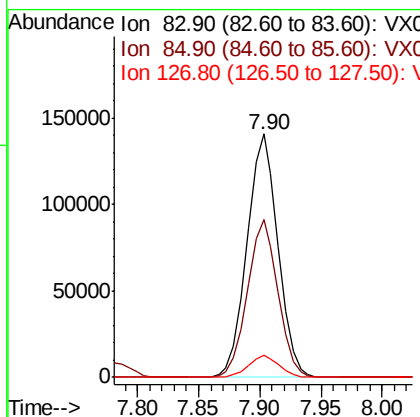
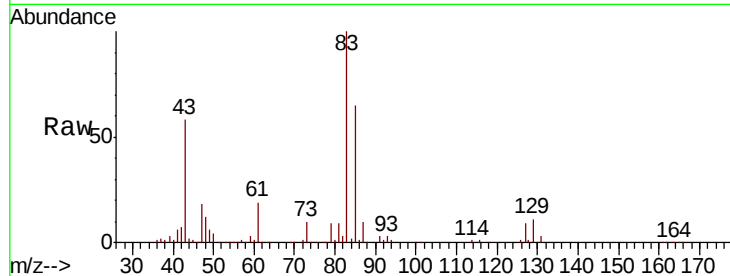
#47
 Bromodichloromethane
 Concen: 51.02 ug/l
 RT: 7.90 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VX004091.D
 Acq: 15 Aug 2018 23:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	248012		
85	64.5		51.2	76.8
127	9.0		7.2	10.8

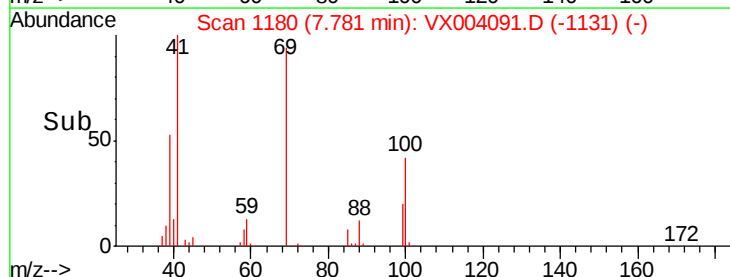
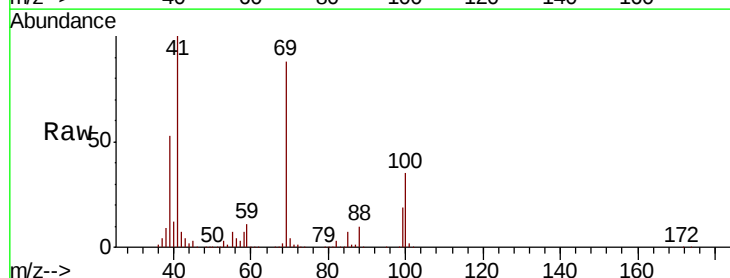
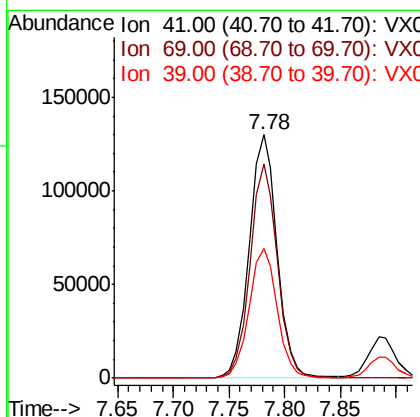
Manual Integrations
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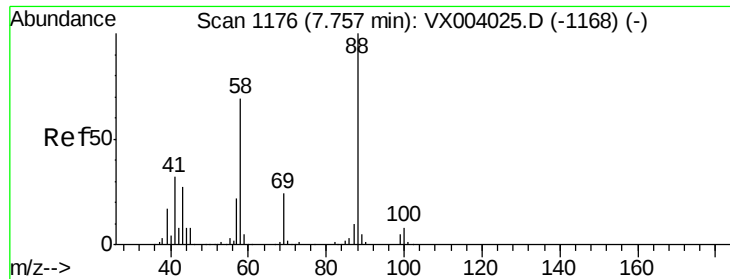
MMDadoda
 8/16/2018 4:39:58 PM



#48
 Methyl methacrylate
 Concen: 54.70 ug/l
 RT: 7.78 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VX004091.D
 Acq: 15 Aug 2018 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	225838		
69	87.0		68.8	103.2
39	53.9		42.3	63.5





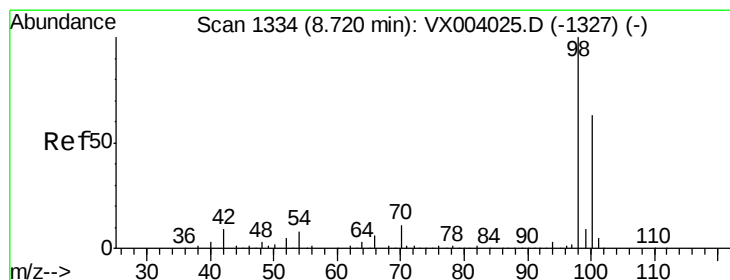
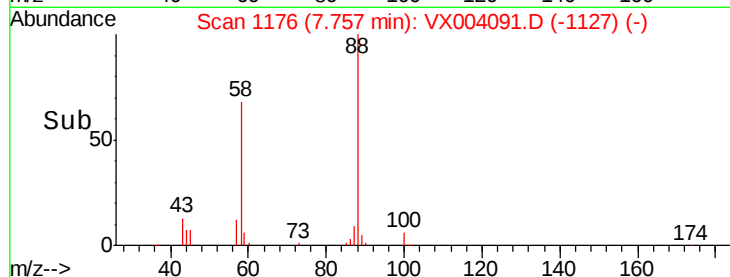
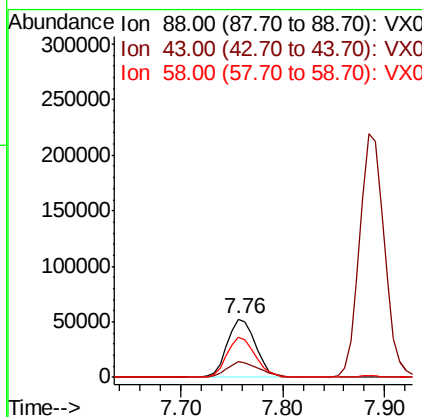
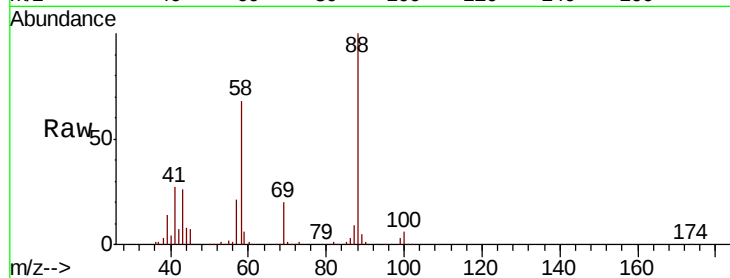
#49
1,4-Dioxane
Concen: 1083.76 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX004091.D
Acq: 15 Aug 2018 23:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.1	23.8	35.8
58	69.2	55.4	83.0

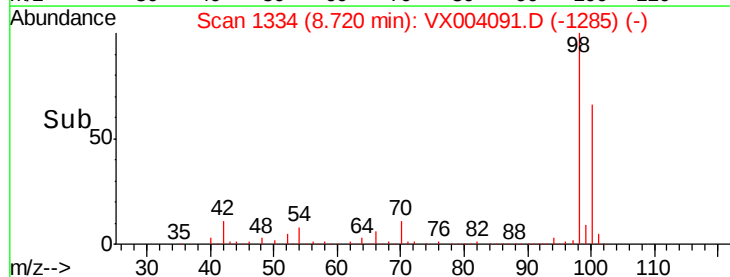
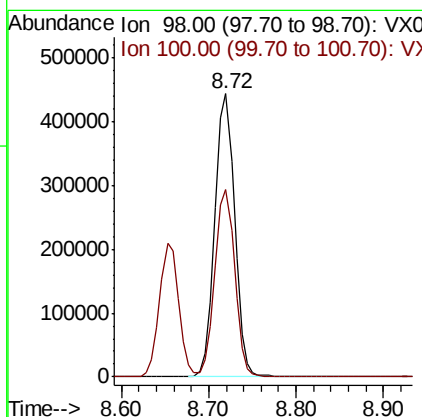
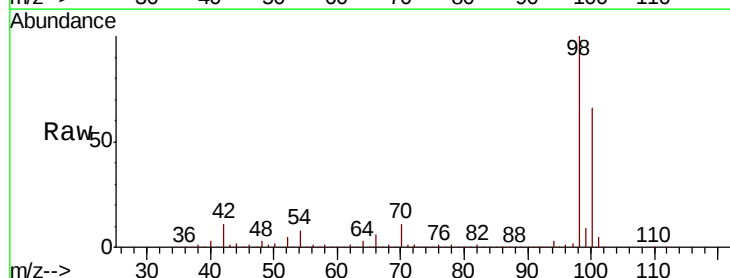
Manual Integrations
APPROVED

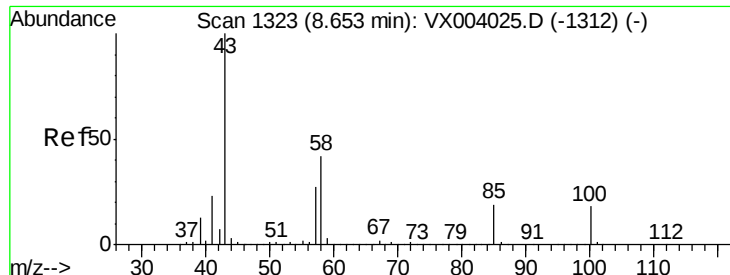
MMDadoda
8/16/2018 4:39:58 PM



#50
Toluene-d8
Concen: 51.24 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX004091.D
Acq: 15 Aug 2018 23:34

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.3	79.9





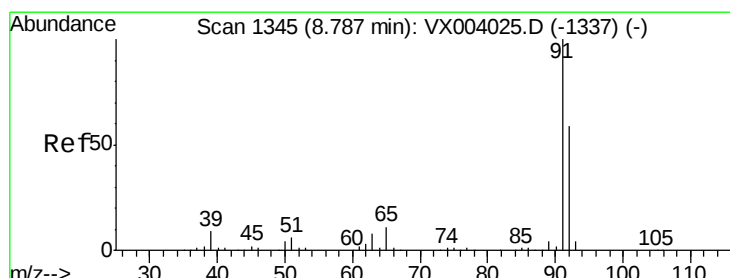
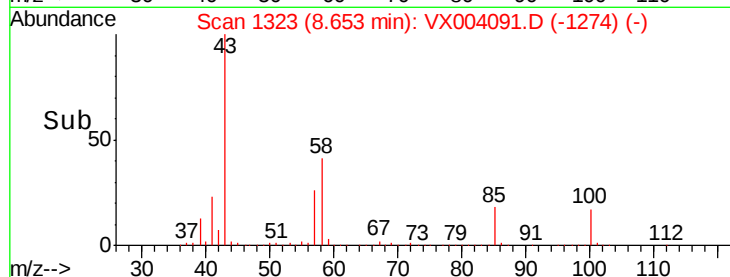
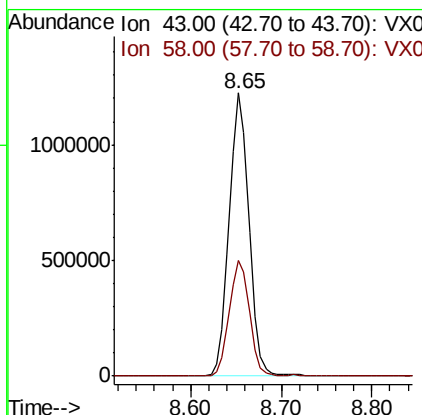
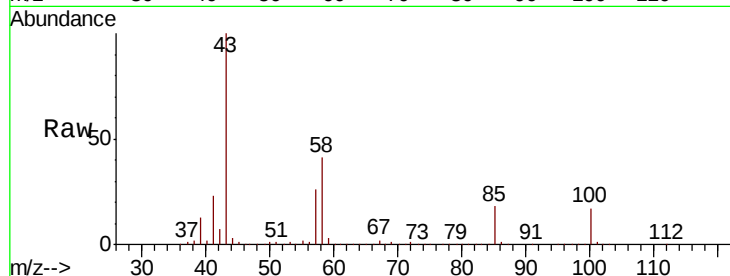
#51
4-Methyl-2-Pentanone
Concen: 276.87 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.00 min
Lab File: VX004091.D
Acq: 15 Aug 2018 23:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1861966
Ion Ratio Lower Upper
43 100
58 41.3 33.0 49.6

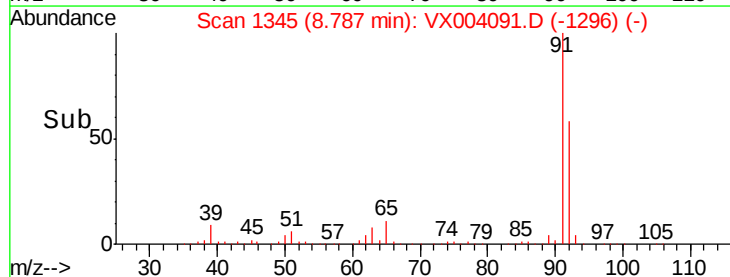
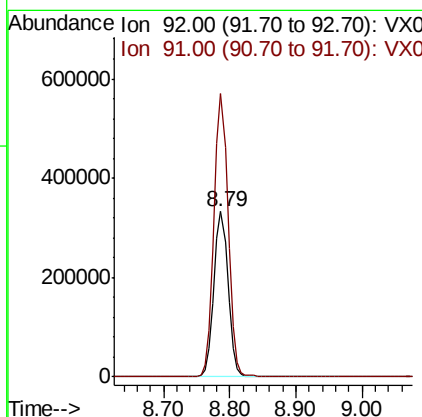
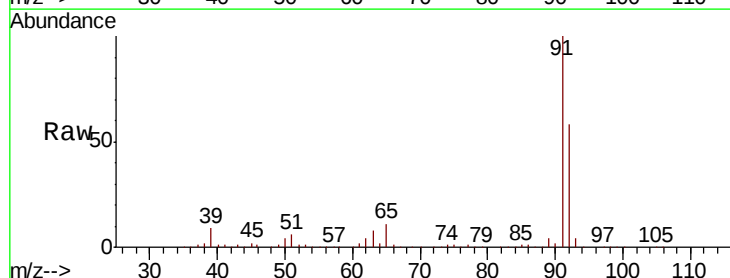
Manual Integrations
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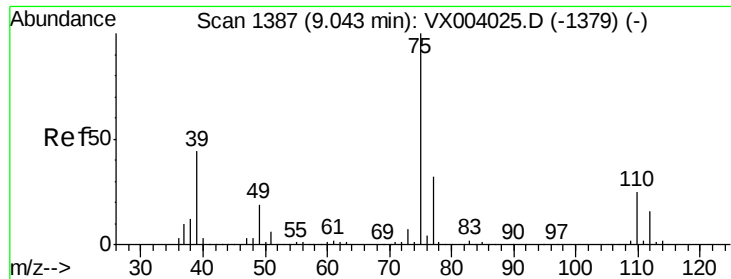
MMDadoda
8/16/2018 4:39:58 PM



#52
Toluene
Concen: 50.86 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX004091.D
Acq: 15 Aug 2018 23:34

Tgt Ion: 92 Resp: 493481
Ion Ratio Lower Upper
92 100
91 170.3 136.1 204.1





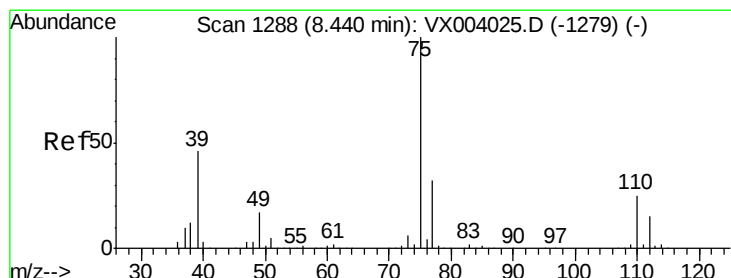
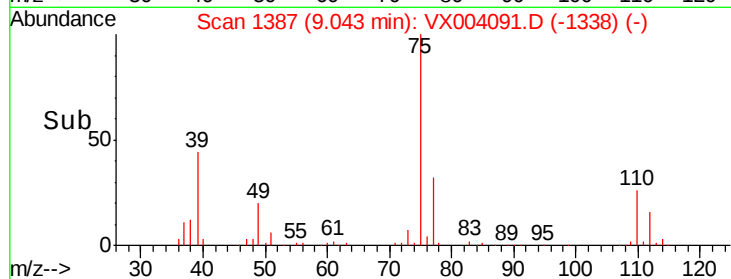
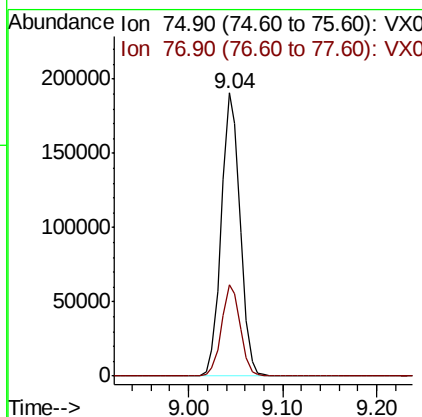
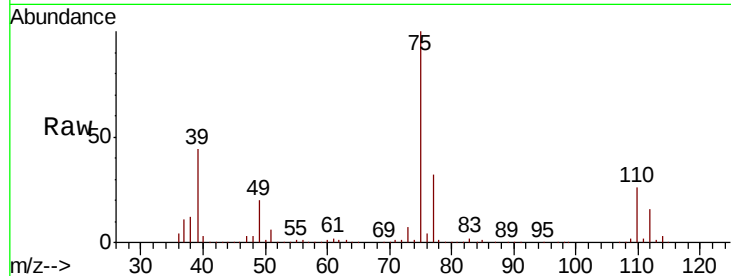
#53
 t-1,3-Dichloropropene
 Concen: 50.32 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.00 min
 Lab File: VX004091.D
 Acq: 15 Aug 2018 23:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 264266
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.1 37.7

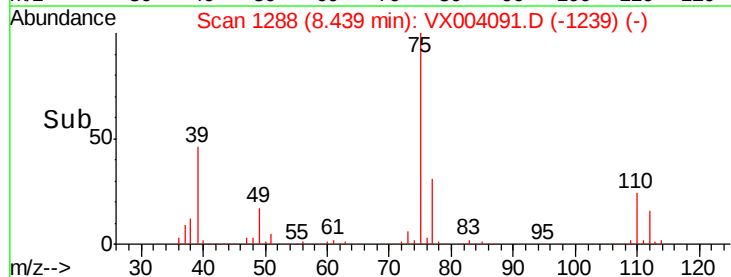
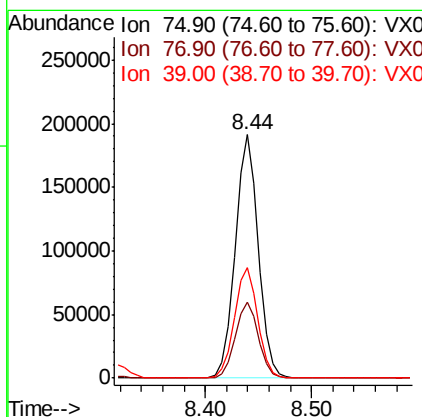
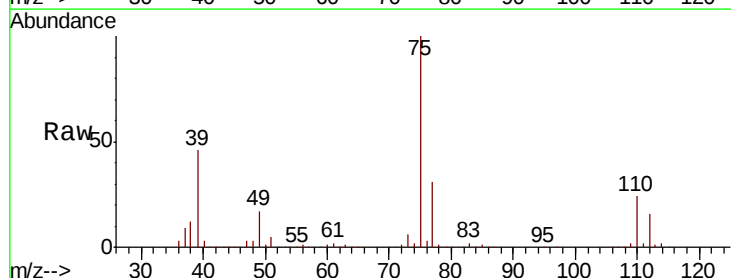
Manual Integrations
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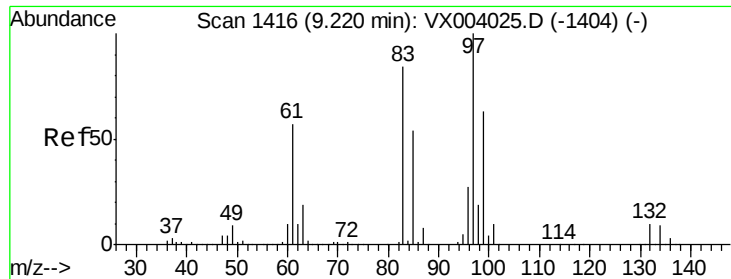
MMDadoda
 8/16/2018 4:39:58 PM



#54
 cis-1,3-Dichloropropene
 Concen: 49.71 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. -0.00 min
 Lab File: VX004091.D
 Acq: 15 Aug 2018 23:34

Tgt Ion: 75 Resp: 289144
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.3 37.9
 39 45.5 36.2 54.2





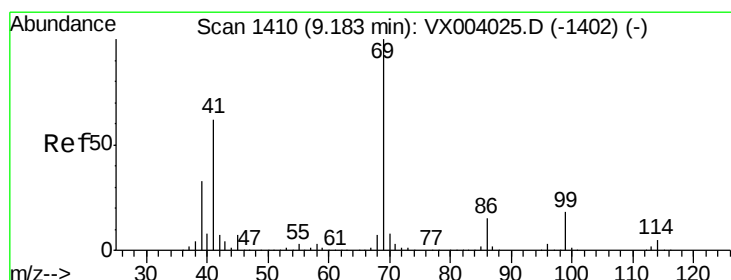
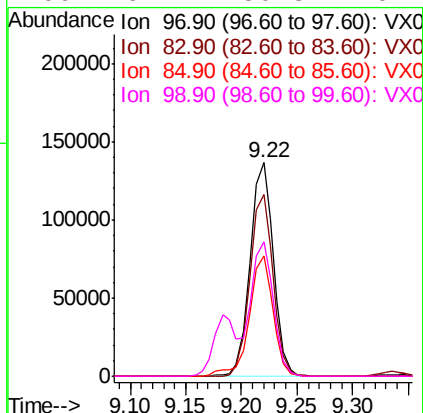
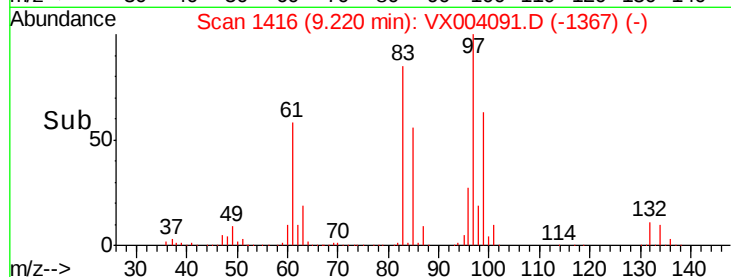
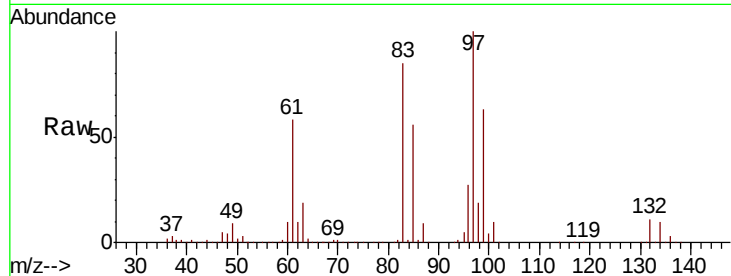
#55
 1,1,2-Trichloroethane
 Concen: 49.43 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX004091.D
 Acq: 15 Aug 2018 23:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		198086		
83	85.1	67.8	101.6		
85	56.1	44.2	66.2		
99	62.7	50.8	76.2		

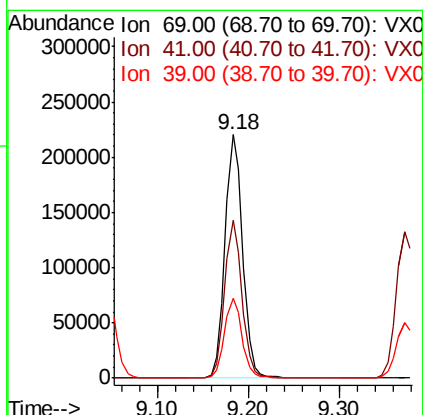
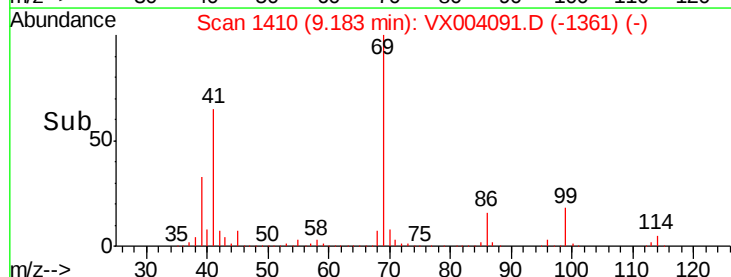
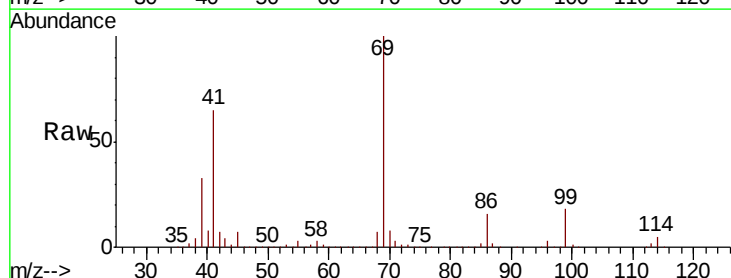
Manual Integrations
 APPROVED

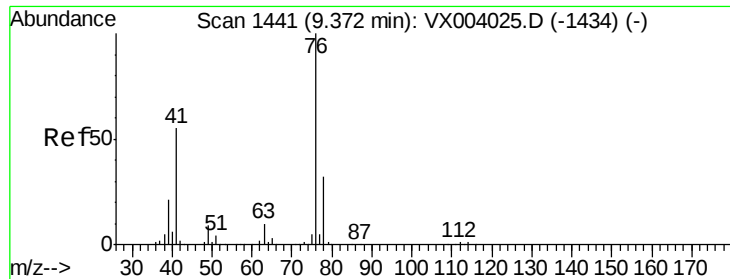
MMDadoda
 8/16/2018 4:39:58 PM



#56
 Ethyl methacrylate
 Concen: 54.85 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX004091.D
 Acq: 15 Aug 2018 23:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		298898		
41	63.6	50.6	76.0		
39	32.9	25.8	38.6		





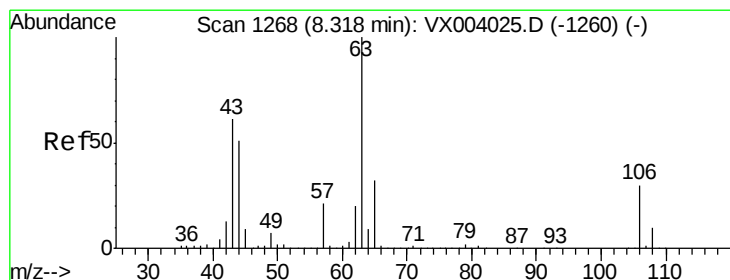
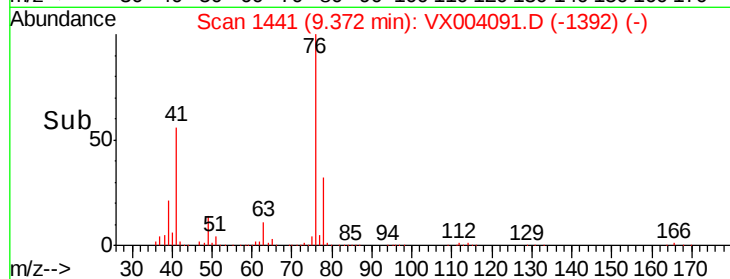
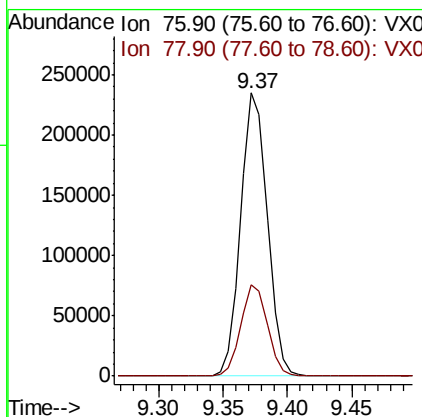
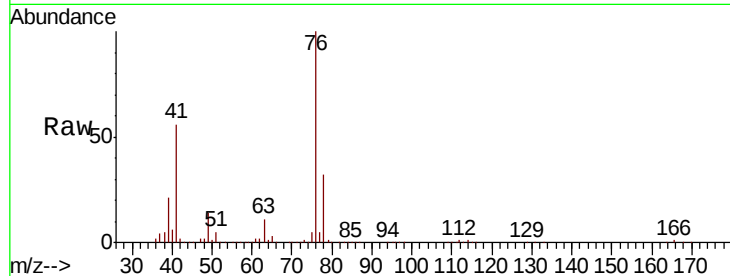
#57
 1,3-Dichloropropane
 Concen: 50.54 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VX004091.D
 Acq: 15 Aug 2018 23:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.9	38.9

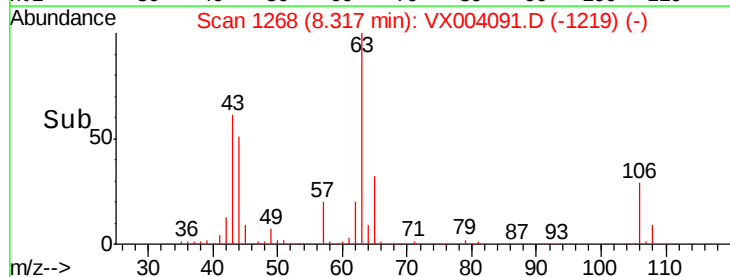
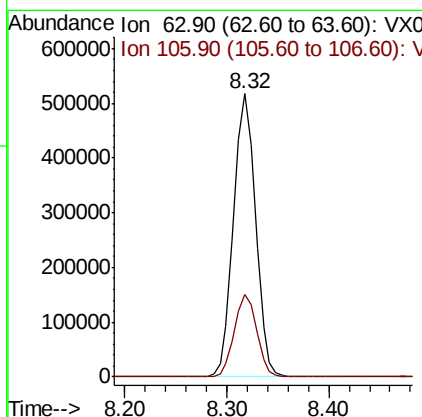
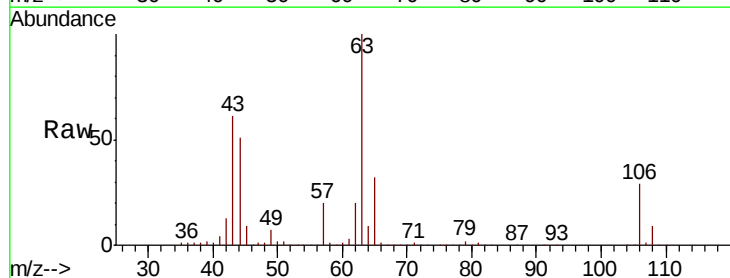
Manual Integrations
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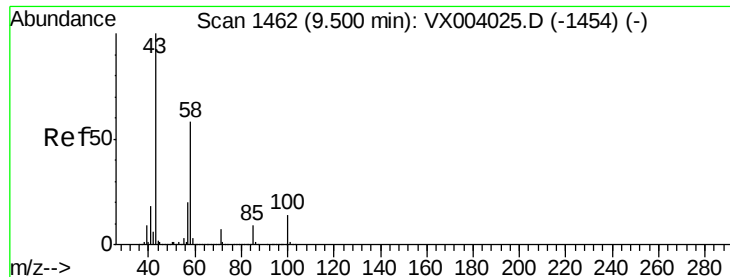
MMDadoda
 8/16/2018 4:39:58 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 278.65 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX004091.D
 Acq: 15 Aug 2018 23:34

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.4	23.8	35.8





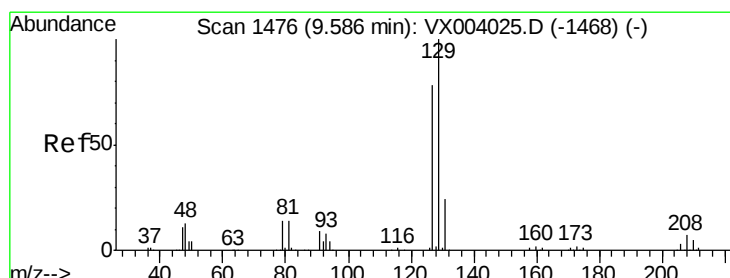
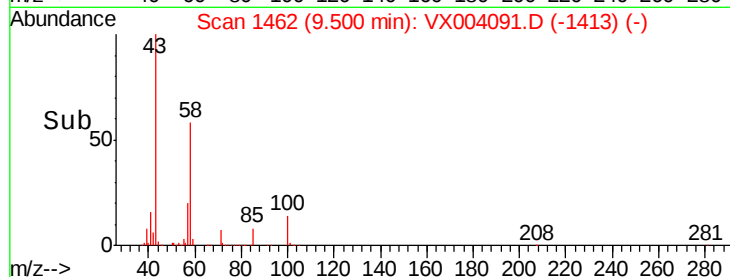
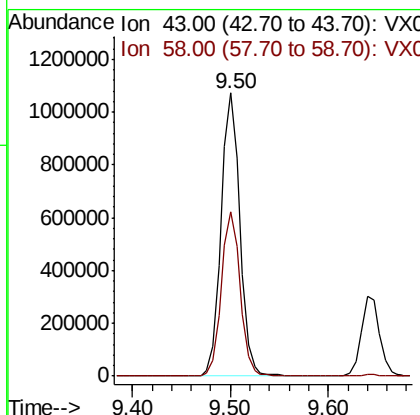
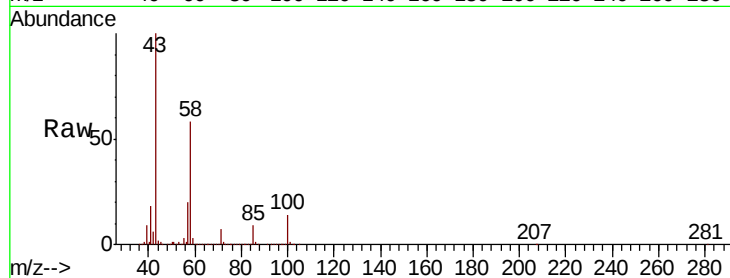
#59
2-Hexanone
Concen: 282.60 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX004091.D
Acq: 15 Aug 2018 23:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1430340
Ion Ratio Lower Upper
43 100
58 57.9 29.0 87.0

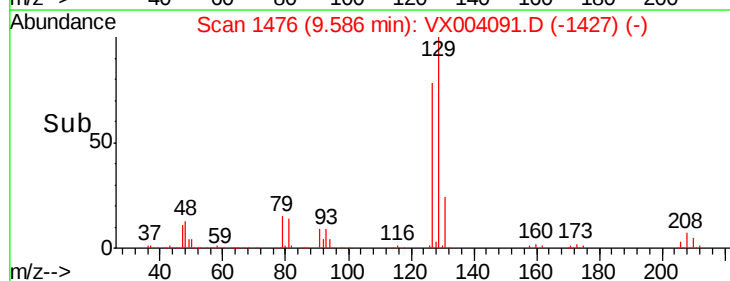
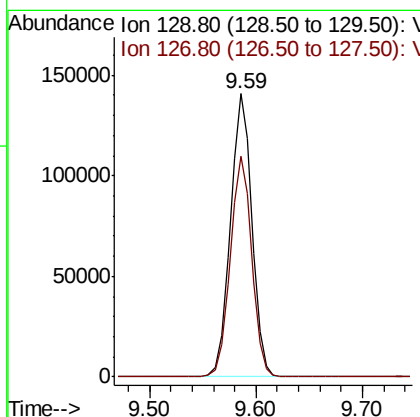
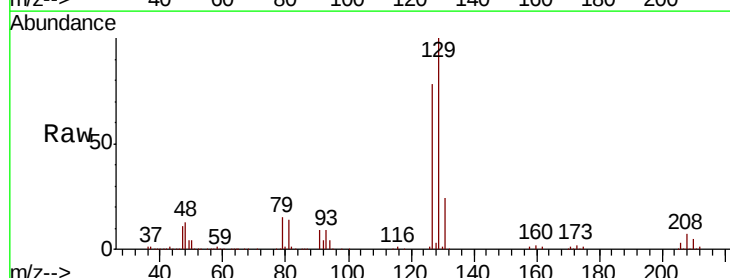
Manual Integrations
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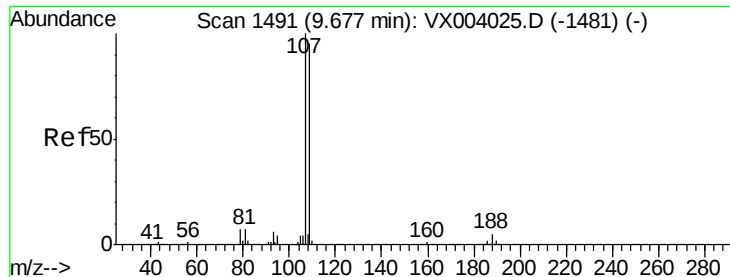
MMDadoda
8/16/2018 4:39:58 PM



#60
Dibromochloromethane
Concen: 51.62 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX004091.D
Acq: 15 Aug 2018 23:34

Tgt Ion: 129 Resp: 199052
Ion Ratio Lower Upper
129 100
127 77.9 38.8 116.3





#61

1,2-Dibromoethane

Concen: 51.35 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 209745

Ion Ratio Lower Upper

107 100

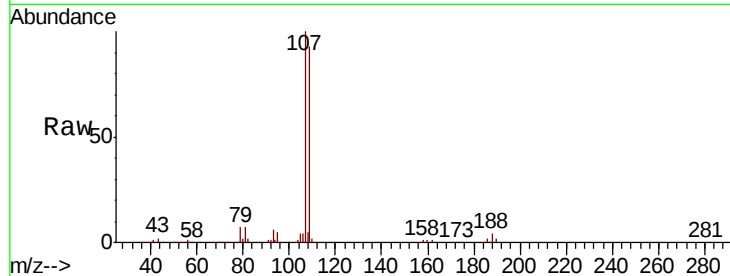
109 94.1 75.8 113.8

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

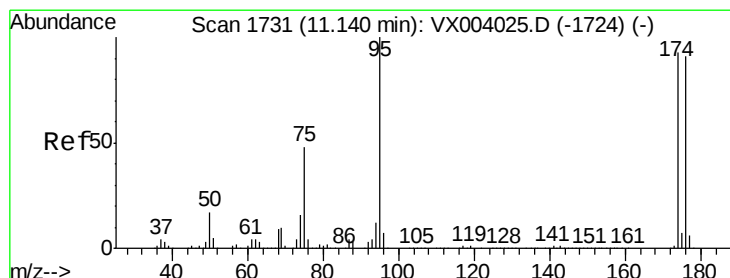
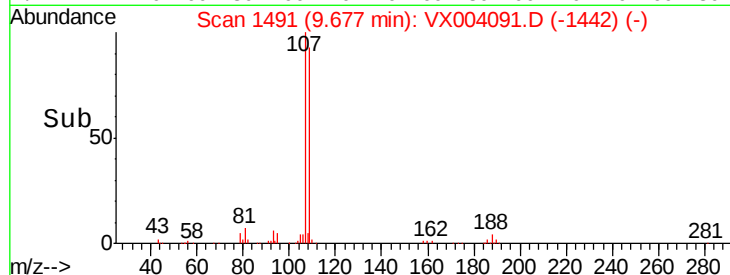
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 52.29 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

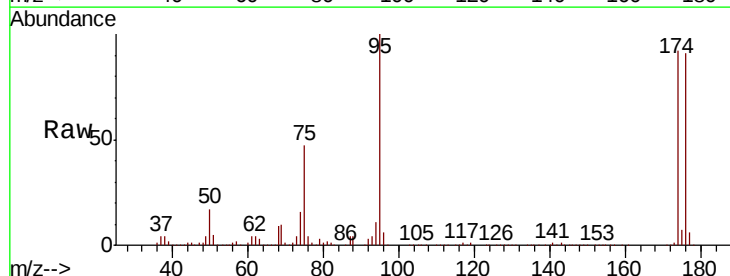
Tgt Ion: 95 Resp: 258436

Ion Ratio Lower Upper

95 100

174 89.5 0.0 182.8

176 88.5 0.0 179.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

250000

200000

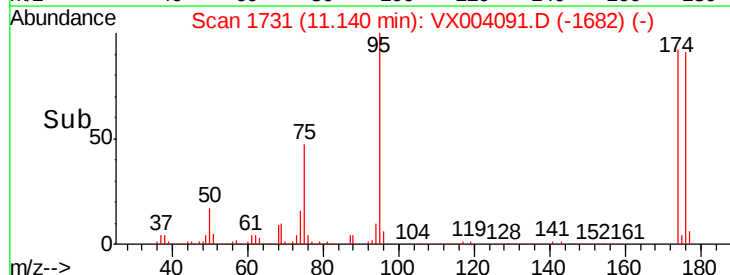
150000

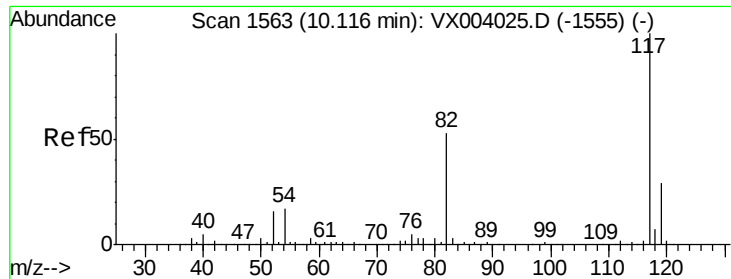
100000

50000

0

Time-->





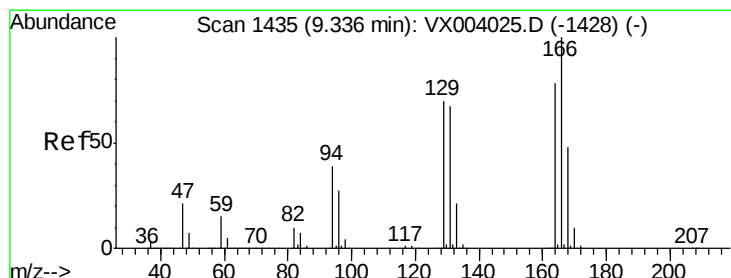
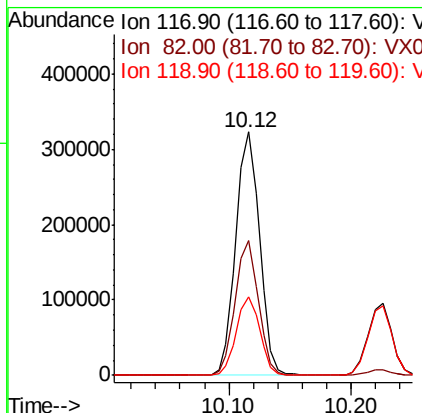
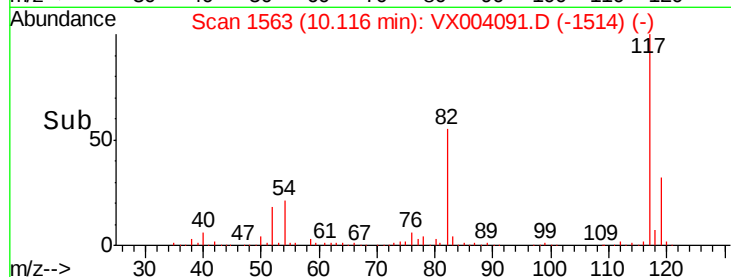
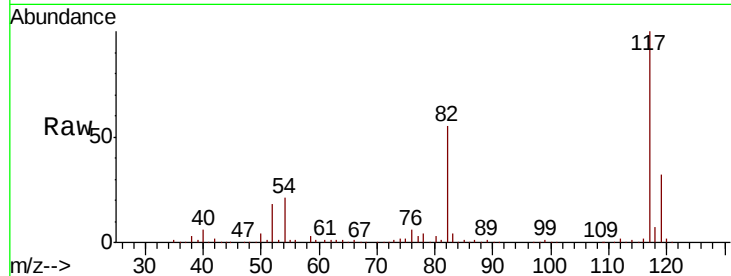
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004091.D
Acq: 15 Aug 2018 23:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.4	45.4	68.0
119	32.3	26.6	40.0

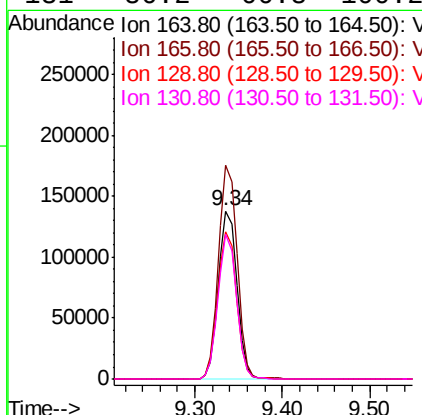
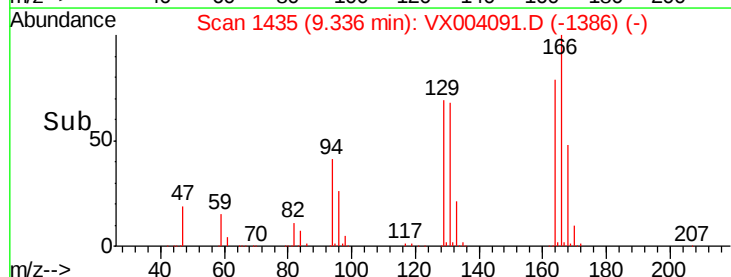
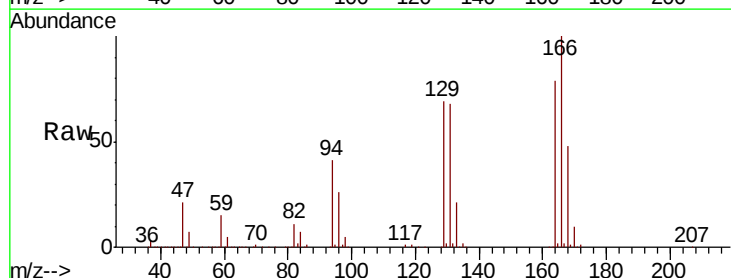
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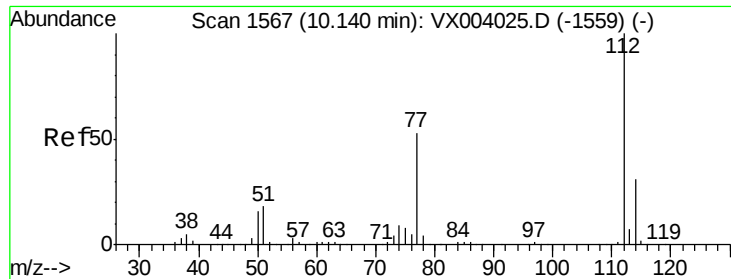
MMDadoda
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#64
Tetrachloroethene
Concen: 49.38 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004091.D
Acq: 15 Aug 2018 23:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.9	98.0	147.0
129	87.6	64.3	96.5
131	86.2	66.8	100.2





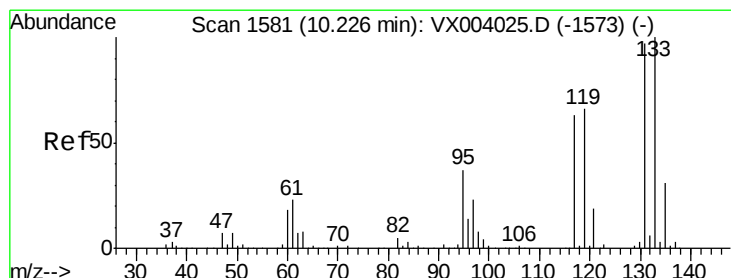
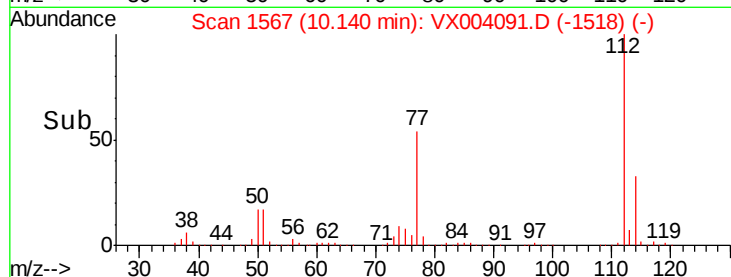
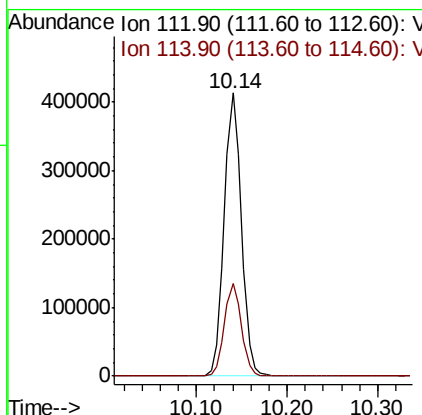
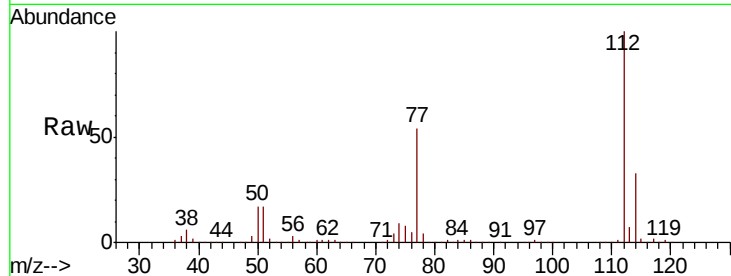
#65
Chlorobenzene
Concen: 48.97 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX004091.D
Acq: 15 Aug 2018 23:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 549193
Ion Ratio Lower Upper
112 100
114 32.6 23.6 35.4

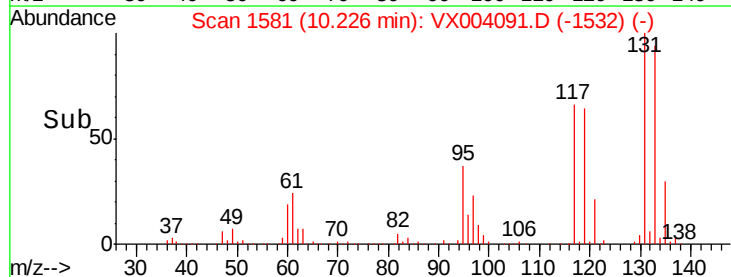
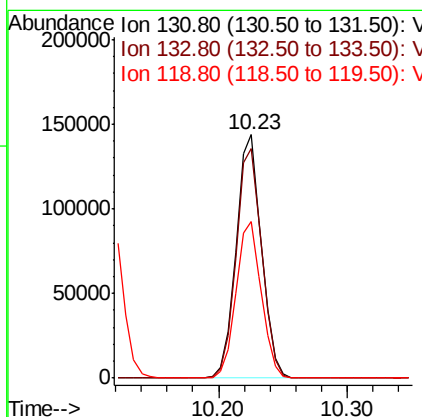
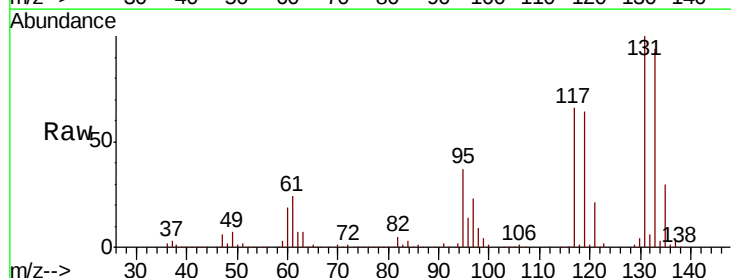
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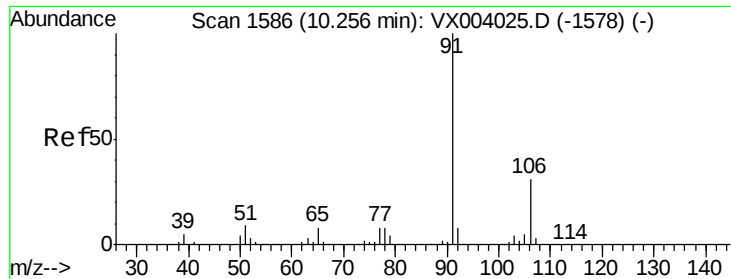
MMDadoda
8/16/2018 4:39:58 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.07 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX004091.D
Acq: 15 Aug 2018 23:34

Tgt Ion:131 Resp: 195346
Ion Ratio Lower Upper
131 100
133 96.0 47.3 141.8
119 64.7 31.6 94.8





#67

Ethyl Benzene

Concen: 51.91 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 921798

Ion Ratio Lower Upper

91 100

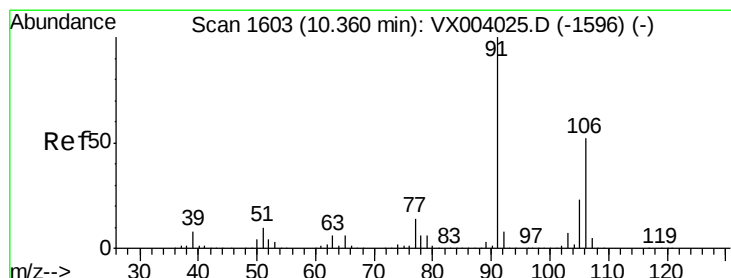
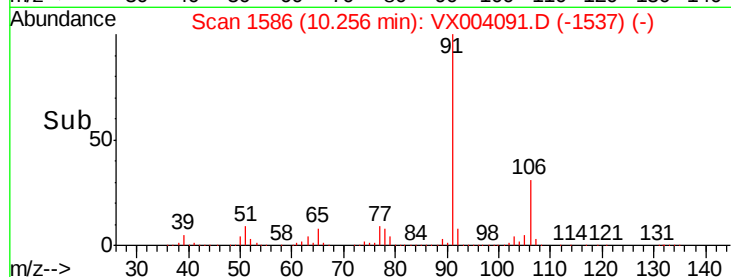
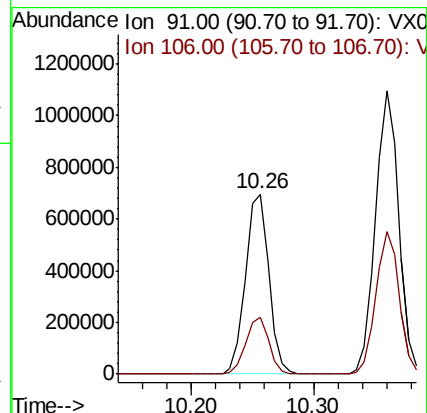
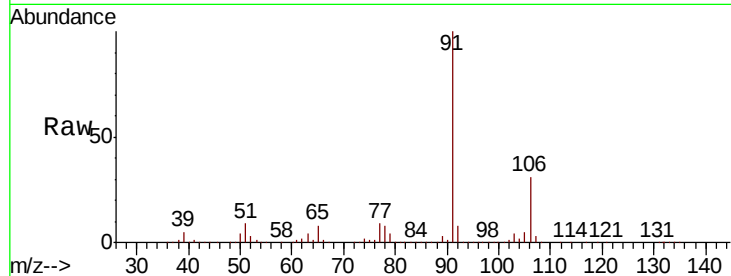
106 31.4 25.9 38.9

Manual Integrations

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8/16/2018 4:39:58 PM



#68

m/p-Xylenes

Concen: 105.44 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VX004091.D

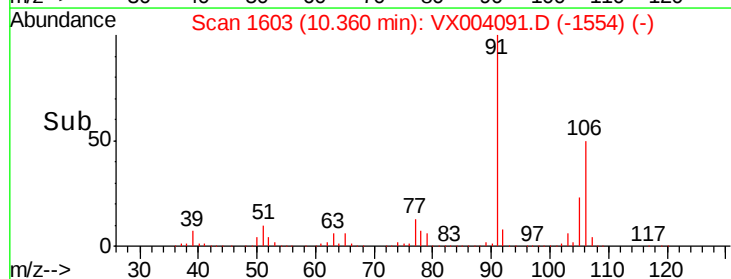
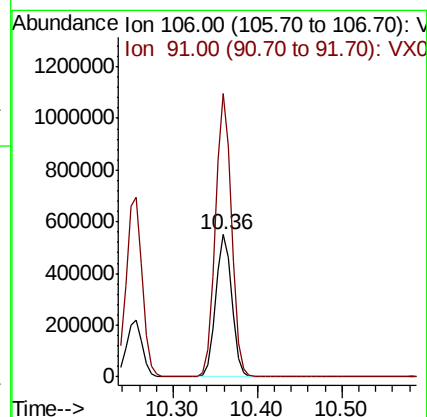
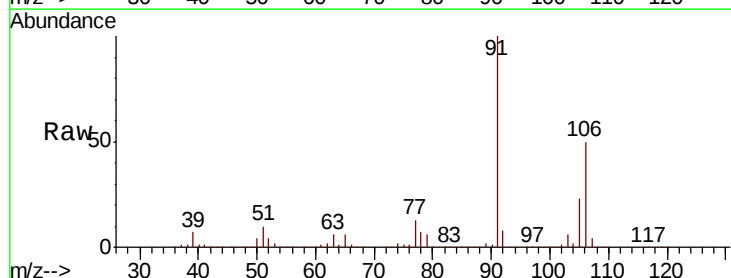
Acq: 15 Aug 2018 23:34

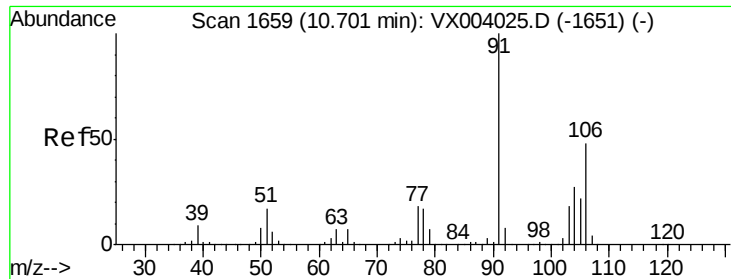
Tgt Ion: 106 Resp: 733222

Ion Ratio Lower Upper

106 100

91 198.4 162.3 243.5





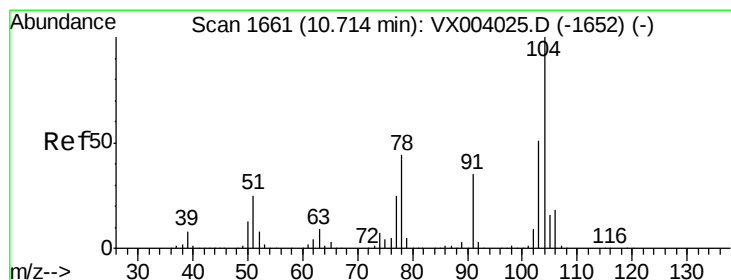
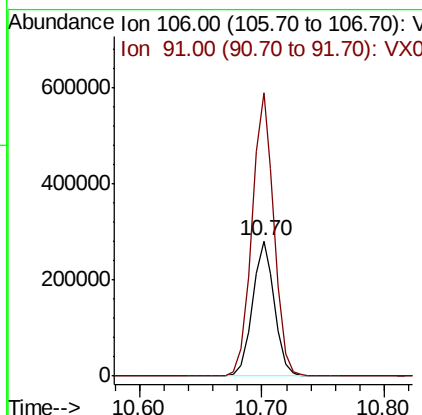
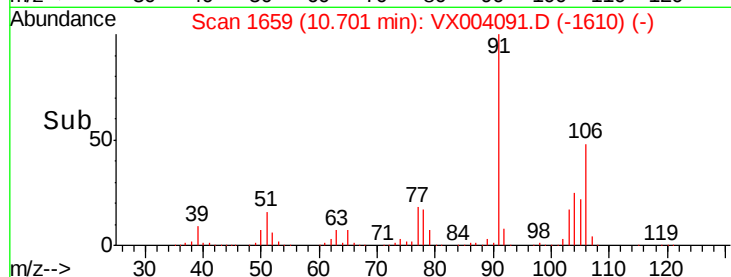
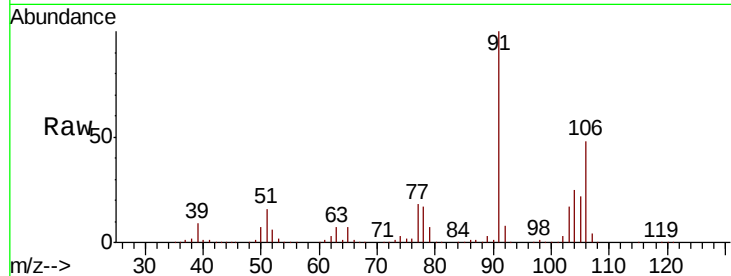
#69
o-Xylene
Concen: 52.61 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004091.D
Acq: 15 Aug 2018 23:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.5	101.9	305.7

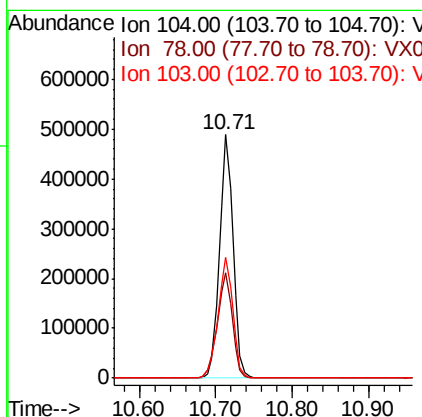
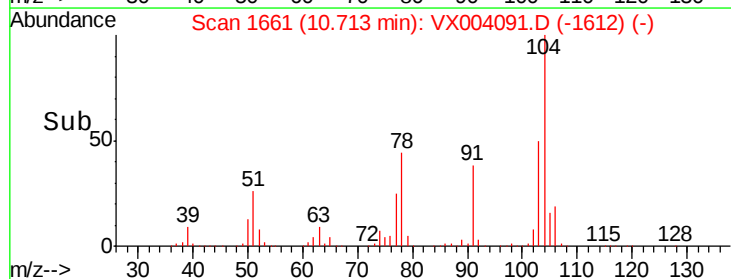
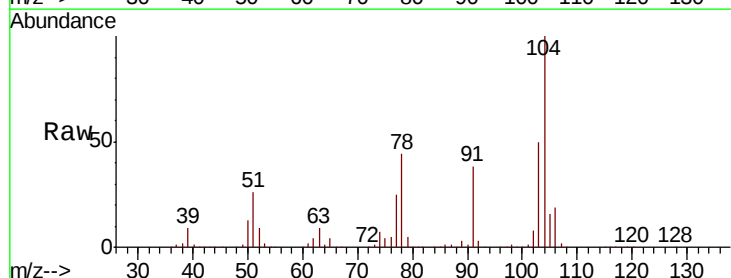
Manual Integrations
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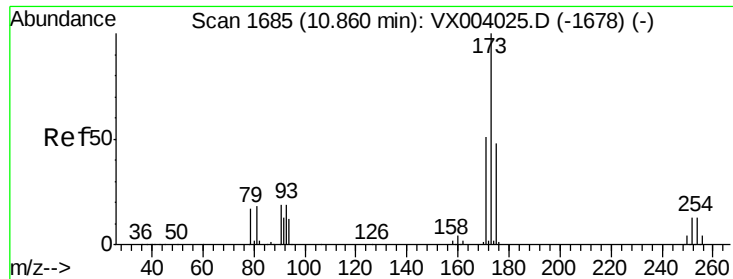
MMDadoda
8/16/2018 4:39:58 PM



#70
Styrene
Concen: 53.68 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004091.D
Acq: 15 Aug 2018 23:34

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.9	39.8	59.6
103	54.3	44.3	66.5





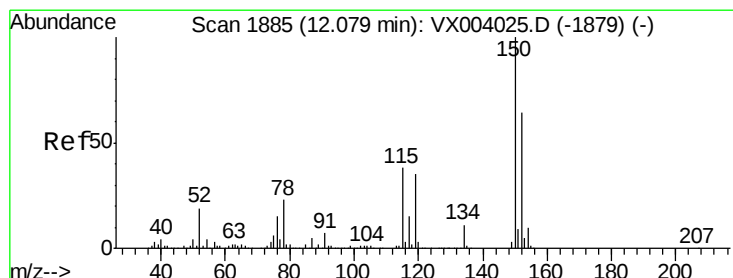
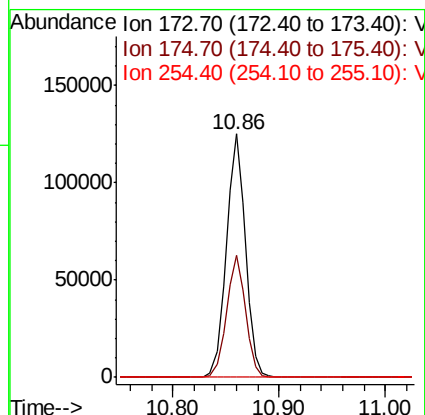
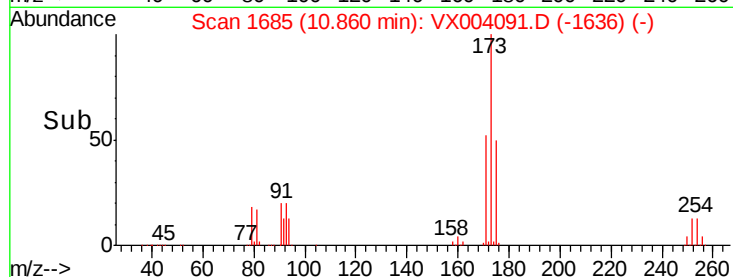
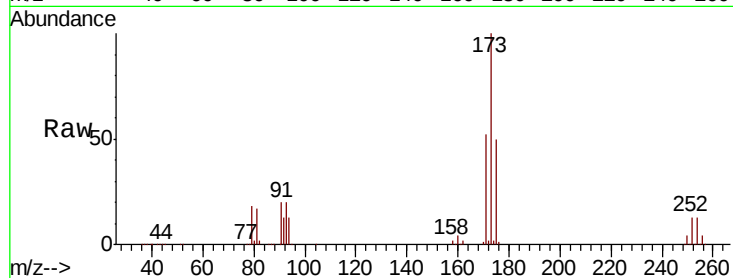
#71
Bromoform
Concen: 51.41 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX004091.D
Acq: 15 Aug 2018 23:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.9	74.7
254	0.2	0.2	0.2

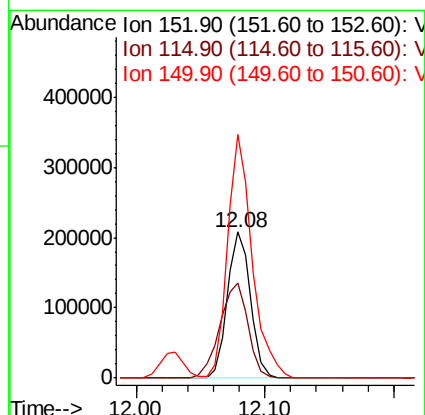
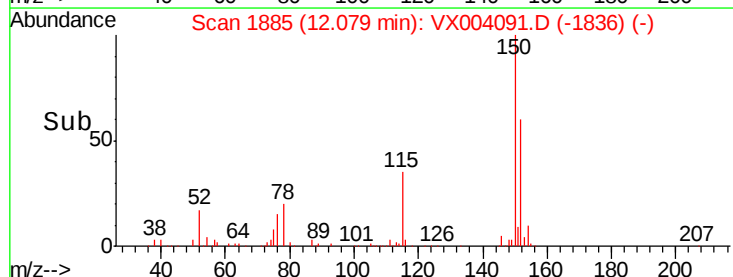
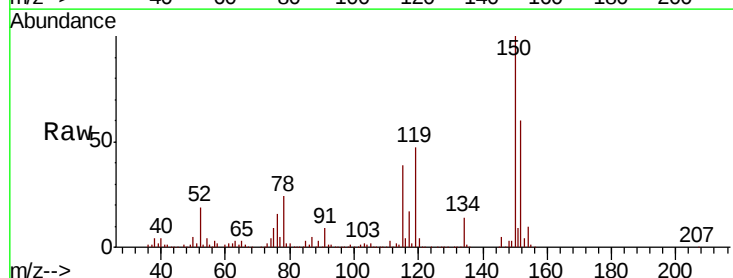
Manual Integrations
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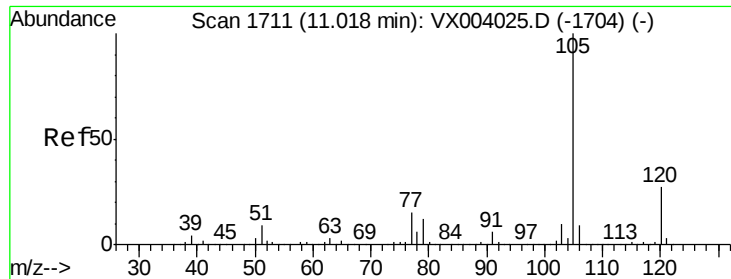
MMDadoda
8/16/2018 4:39:58 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX004091.D
Acq: 15 Aug 2018 23:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	78.9	39.1	117.3
150	176.9	0.0	349.2





#73

Isopropylbenzene

Concen: 53.14 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 943954

Ion Ratio Lower Upper

105 100

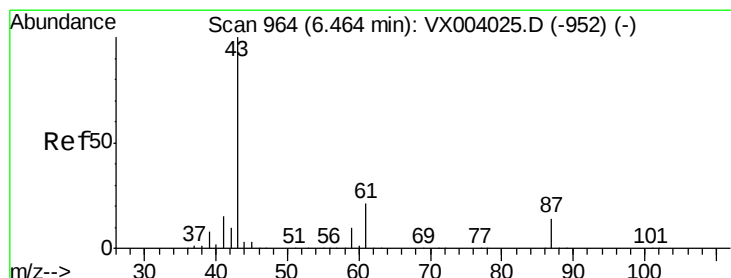
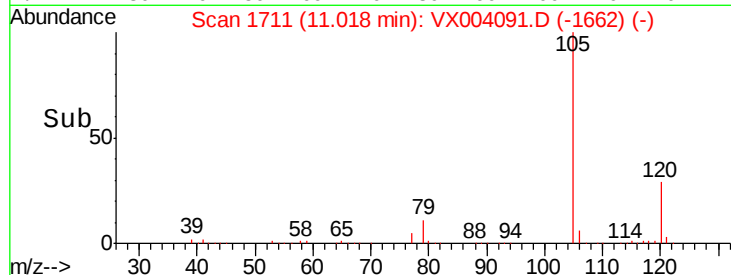
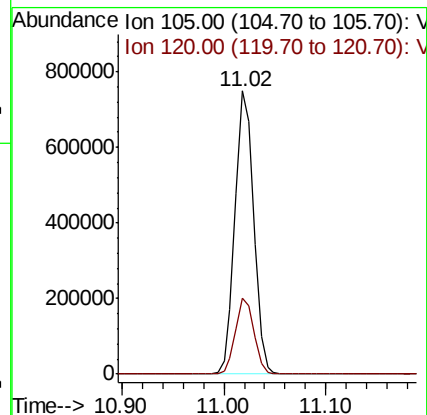
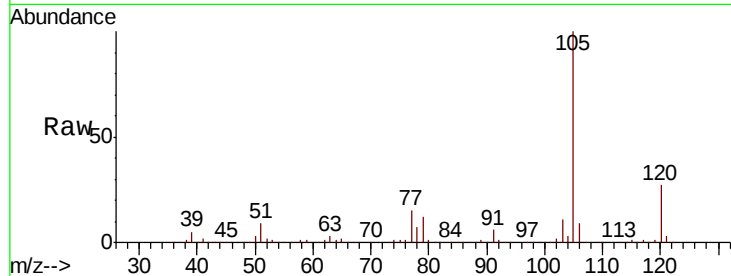
120 26.7 12.6 37.8

Manual Integrations

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8/16/2018 4:39:58 PM



#74

N-ethyl acetate

Concen: 50.62 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.01 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

Tgt Ion: 43 Resp: 422912

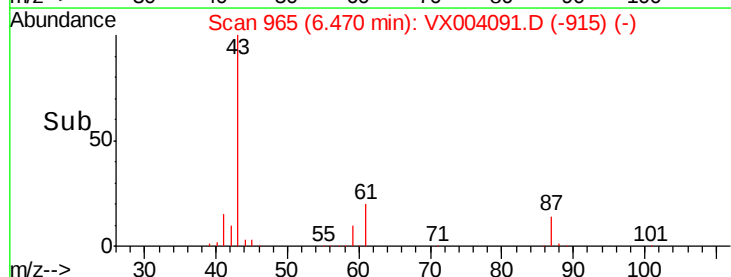
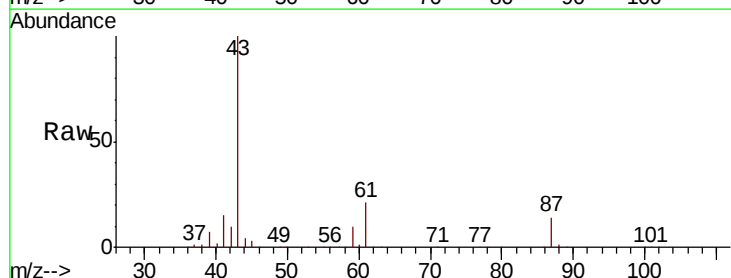
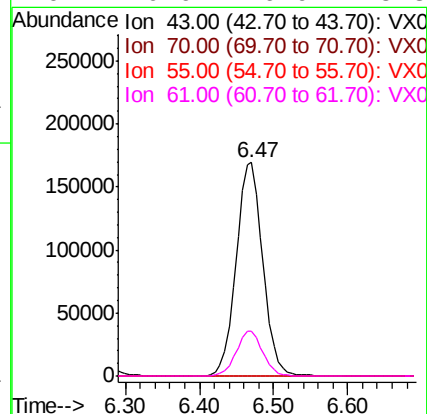
Ion Ratio Lower Upper

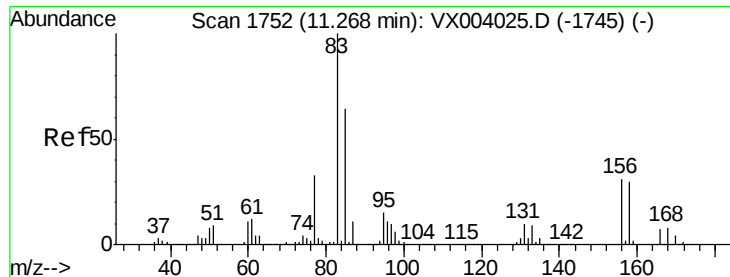
43 100

70 0.0 0.0 0.0

55 0.1 0.1 0.1

61 20.9 16.9 25.3





#75

1,1,2,2-Tetrachloroethane

Concen: 51.21 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

Instrument :

MSVOA_X

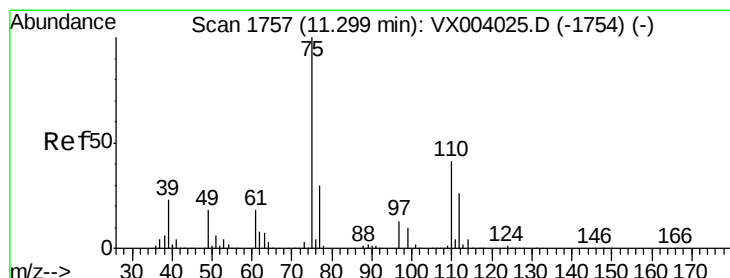
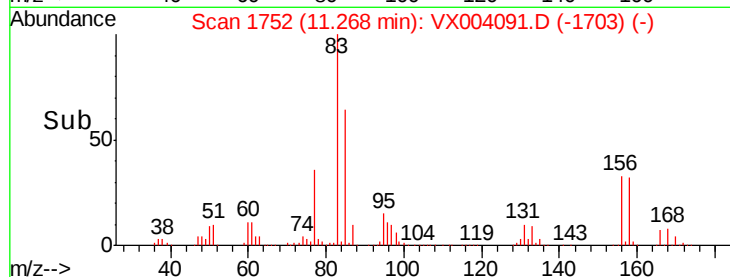
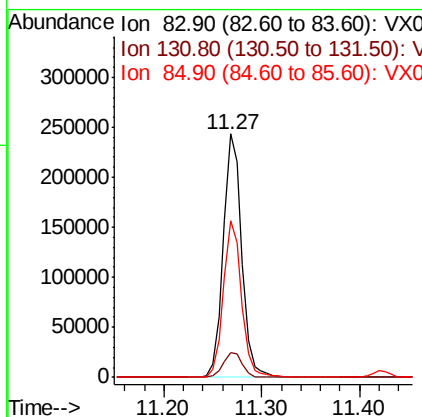
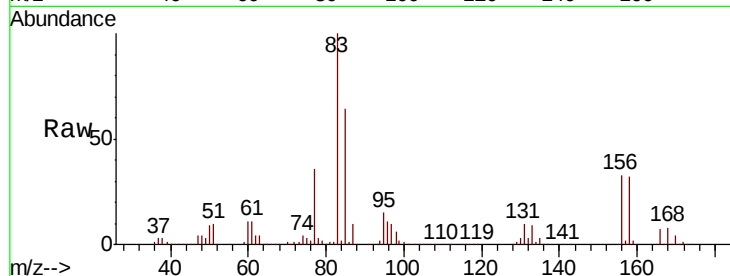
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	317619
Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.2	15.6
85	63.4	32.2	96.6

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#76

1,2,3-Trichloropropane

Concen: 53.67 ug/l m

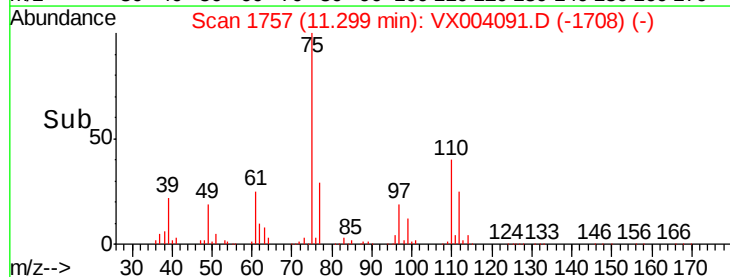
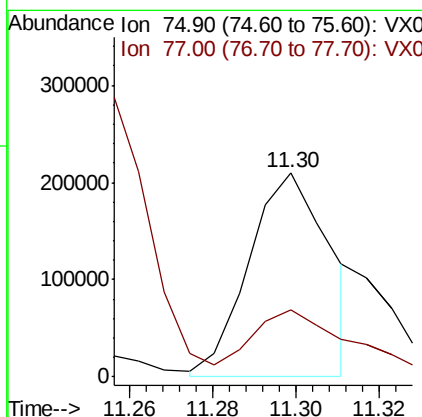
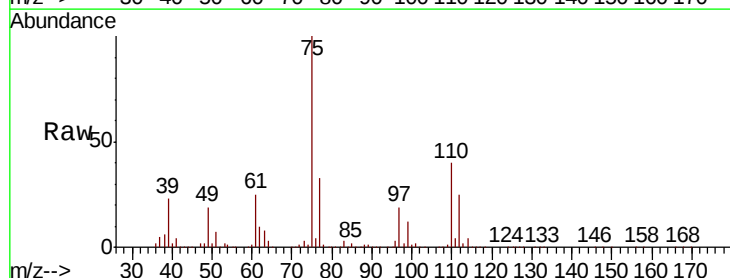
RT: 11.30 min Scan# 1757

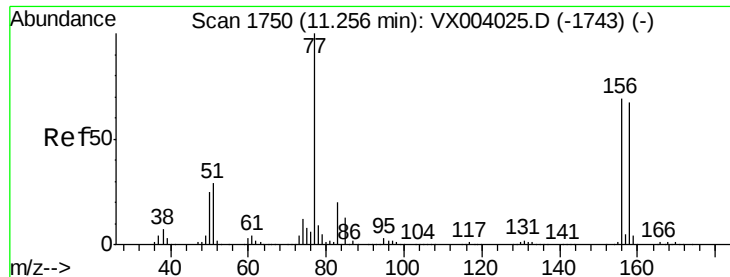
Delta R.T. -0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

Tgt Ion:	75	Resp:	282491
Ion	Ratio	Lower	Upper
75	100		
77	40.5	20.8	62.5





#77

Bromobenzene

Concen: 50.36 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

Instrument :

MSVOA_X

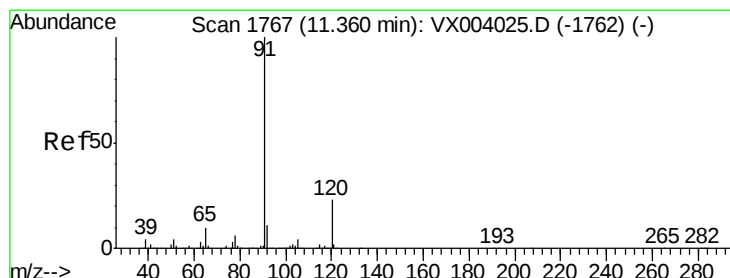
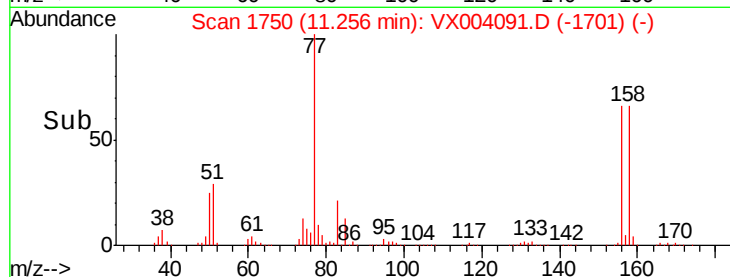
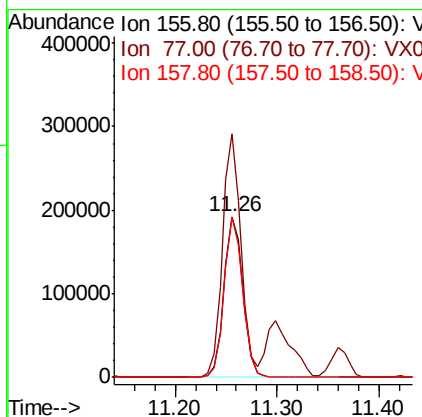
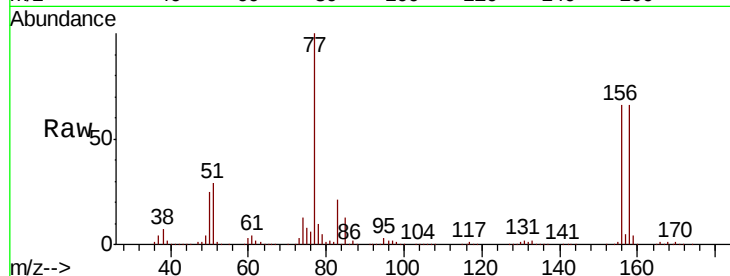
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	246596
Ion Ratio	Lower	Upper	
156	100		
77	149.3	74.1	222.2
158	98.0	48.6	145.9

Manual Integrations
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#78

n-propylbenzene

Concen: 54.25 ug/l

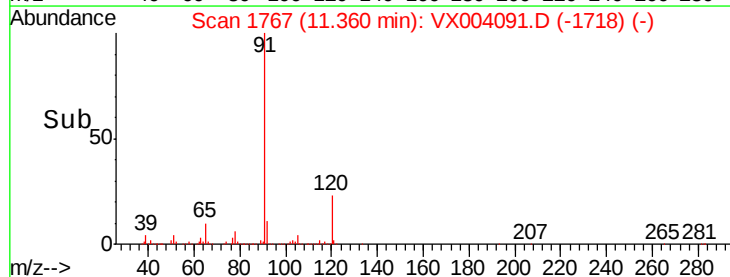
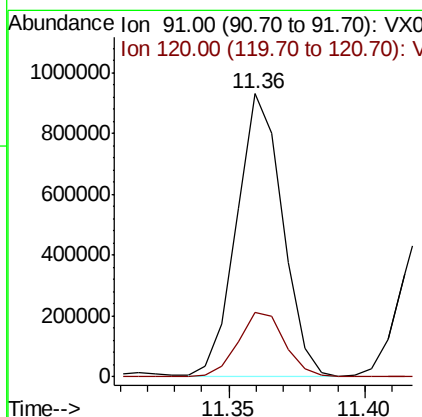
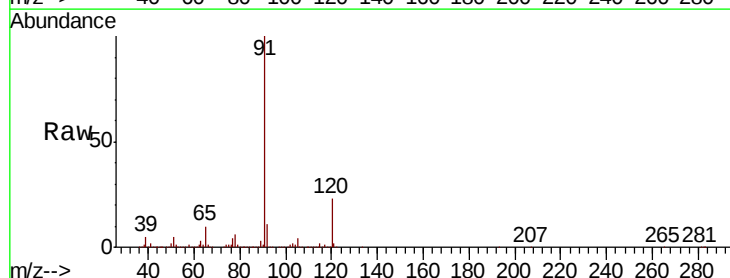
RT: 11.36 min Scan# 1767

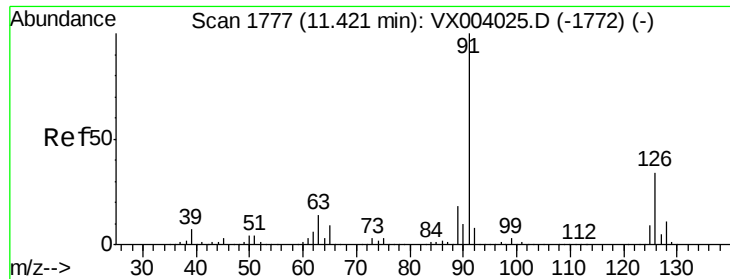
Delta R.T. -0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

Tgt Ion:	91	Resp:	1078415
Ion Ratio	Lower	Upper	
91	100		
120	23.5	11.9	35.5





#79

2-Chlorotoluene

Concen: 53.02 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 642284

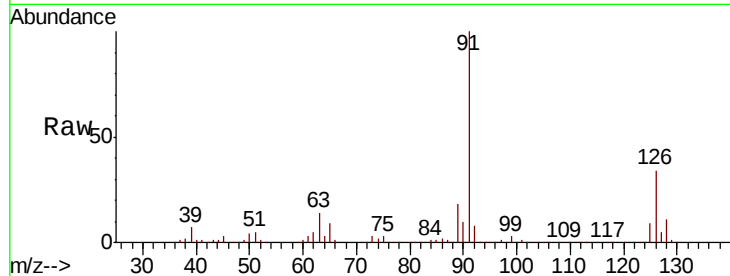
Ion Ratio Lower Upper

91 100

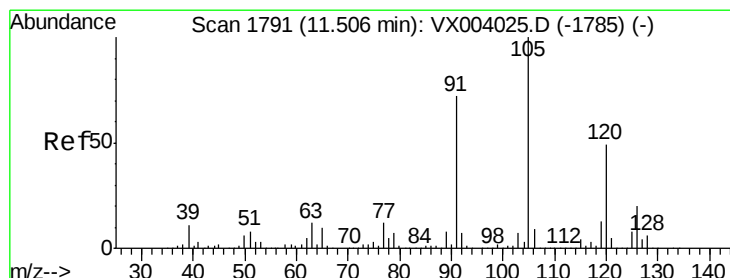
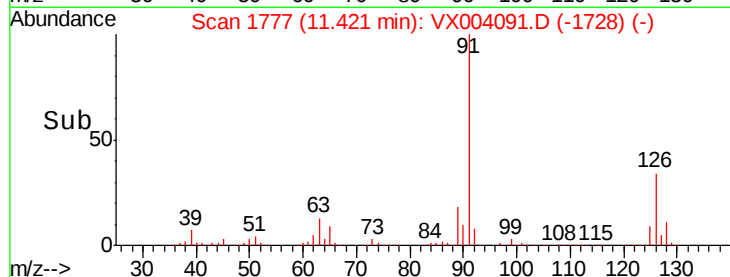
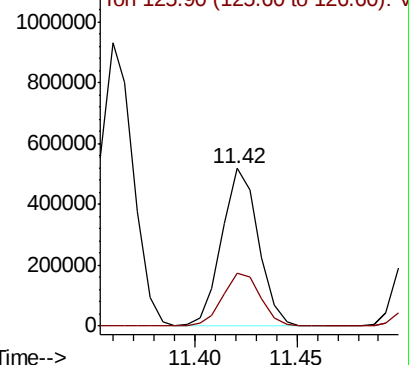
126 35.0 17.4 52.3

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Abundance Ion 91.00 (90.70 to 91.70): VX004025.D (-1772) (-)



#80

1,3,5-Trimethylbenzene

Concen: 54.20 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX004091.D

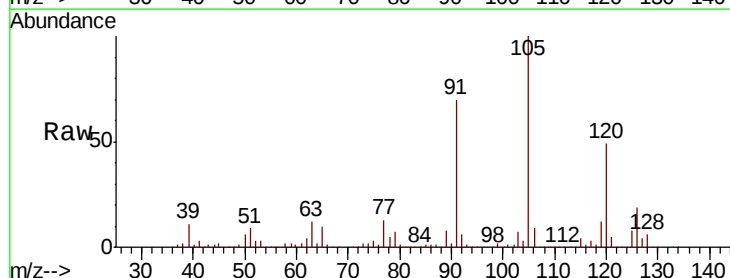
Acq: 15 Aug 2018 23:34

Tgt Ion: 105 Resp: 788263

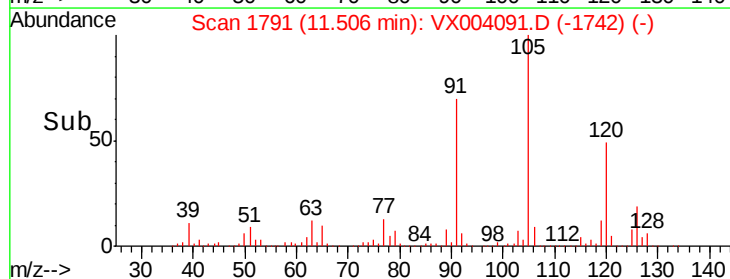
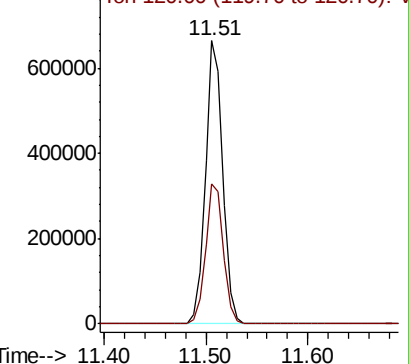
Ion Ratio Lower Upper

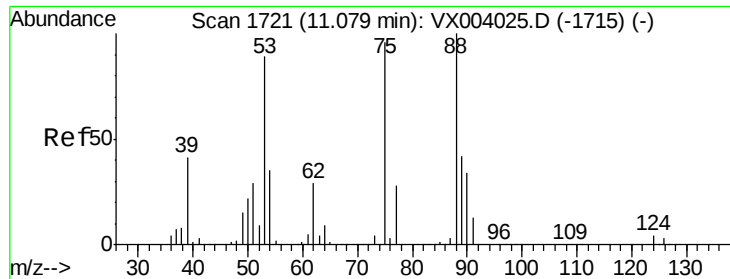
105 100

120 50.8 25.4 76.2



Abundance Ion 105.00 (104.70 to 105.70): VX004025.D (-1785) (-)





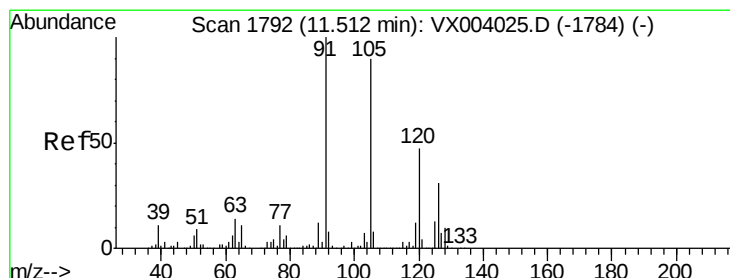
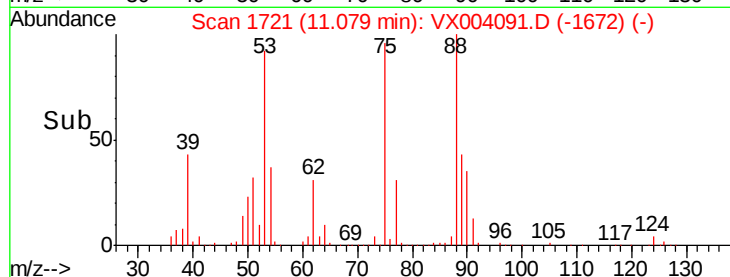
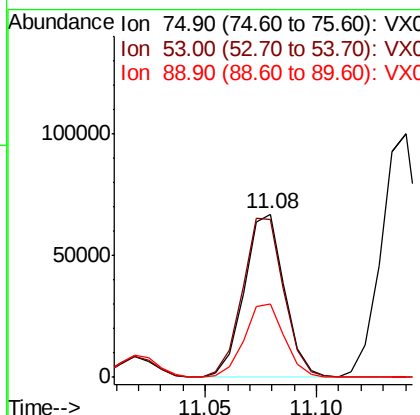
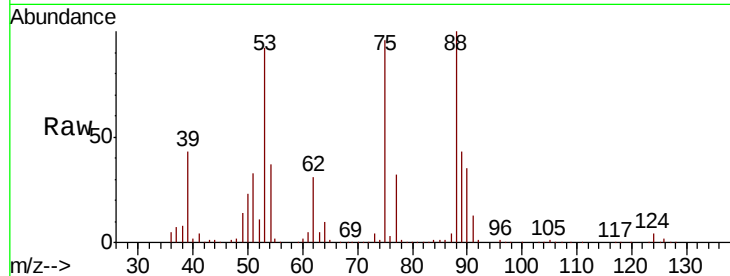
#81
trans-1,4-Dichloro-2-butene
Concen: 49.19 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX004091.D
Acq: 15 Aug 2018 23:34

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.8	80.3	120.5
89	45.5	37.8	56.8

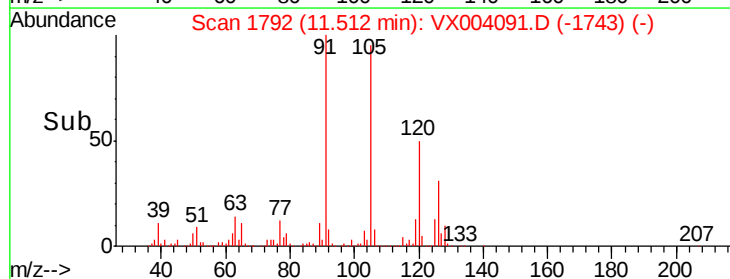
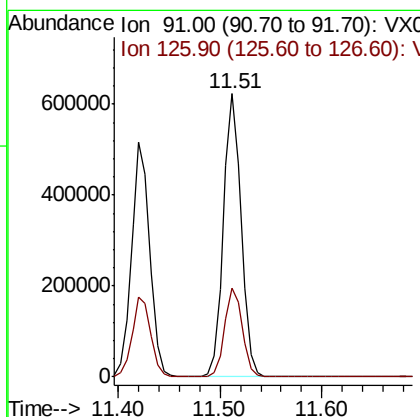
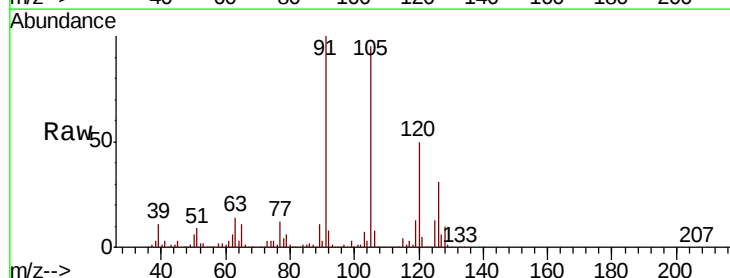
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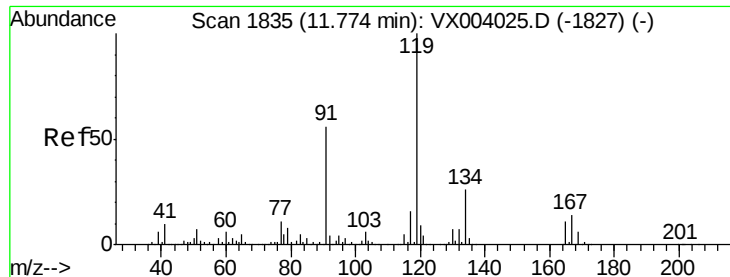
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#82
4-Chlorotoluene
Concen: 52.77 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004091.D
Acq: 15 Aug 2018 23:34

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.6	46.7





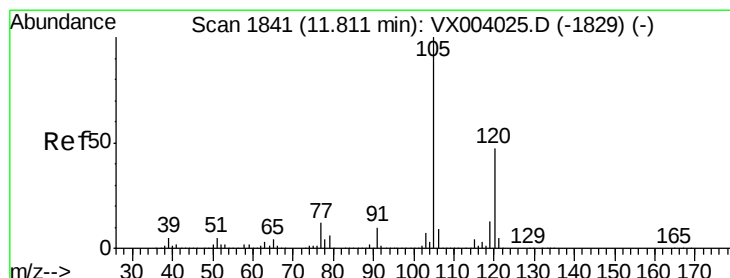
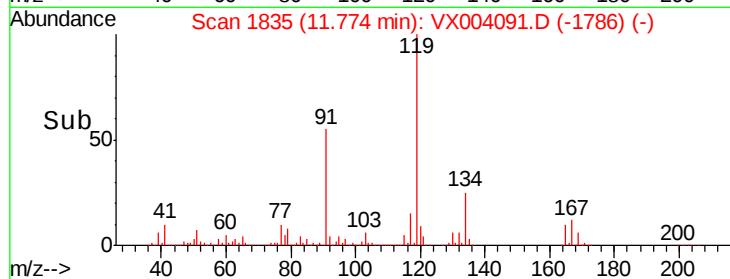
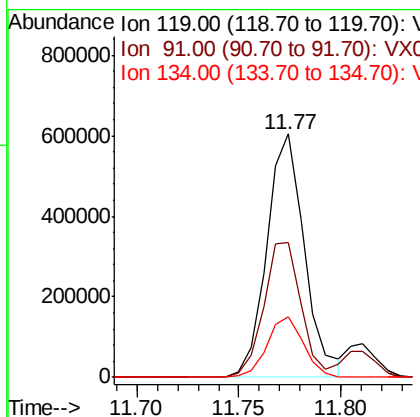
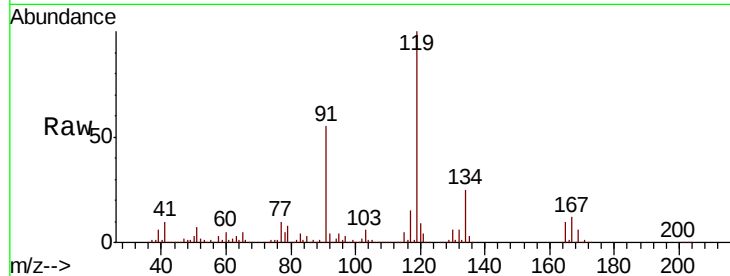
#83
 tert-Butylbenzene
 Concen: 53.06 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX004091.D
 Acq: 15 Aug 2018 23:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	54.5	26.9	80.7
134	24.1	12.0	36.0

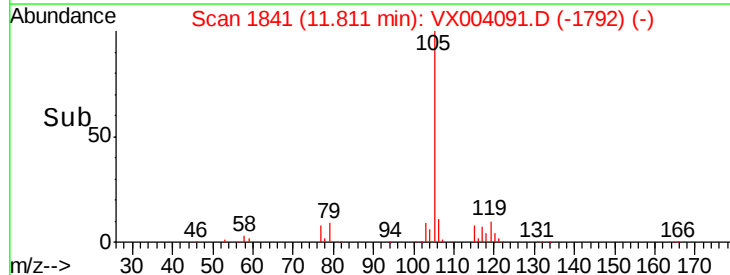
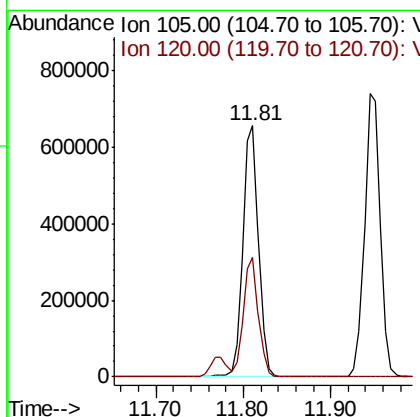
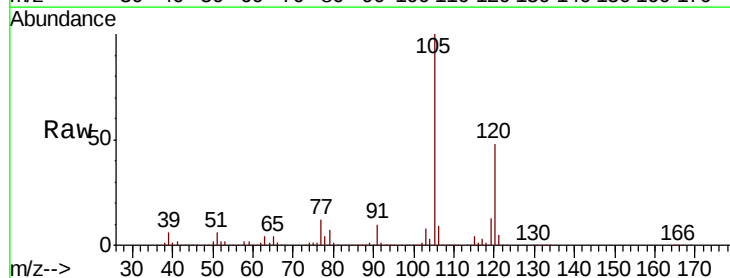
Manual Integrations
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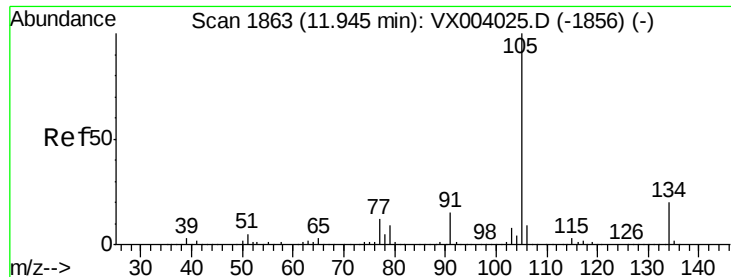
MMDadoda
 8/16/2018 4:39:58 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 54.24 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX004091.D
 Acq: 15 Aug 2018 23:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	23.1	69.2





#85

sec-Butylbenzene

Concen: 54.05 ug/l

RT: 11.94 min Scan# 1863

Delta R.T. -0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 927567

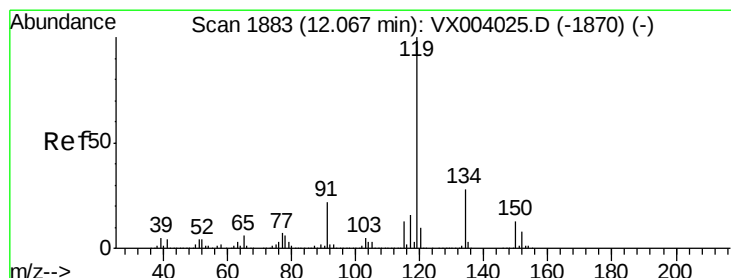
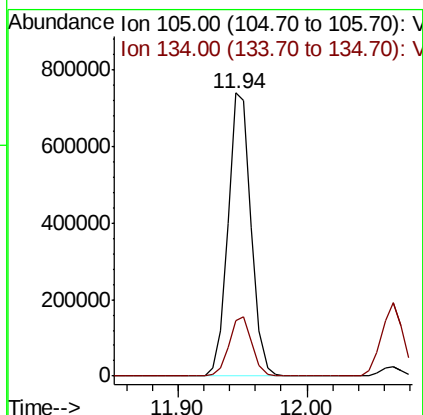
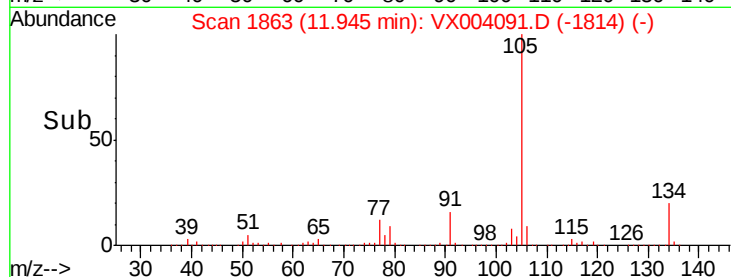
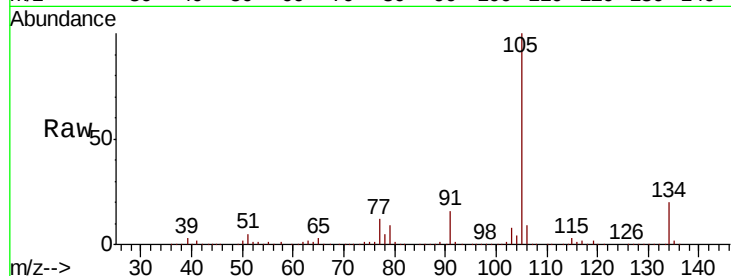
Ion Ratio Lower Upper

105 100

134 20.8 10.3 30.9

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#86

p-Isopropyltoluene

Concen: 53.70 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

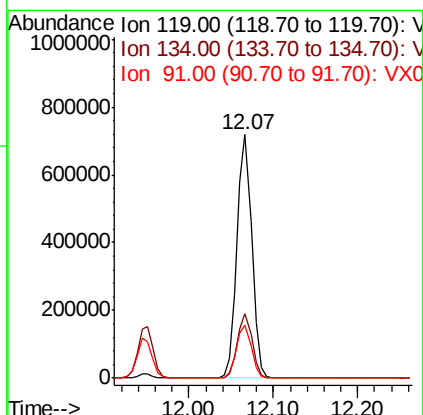
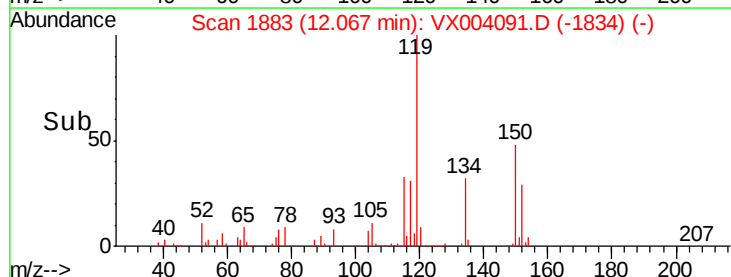
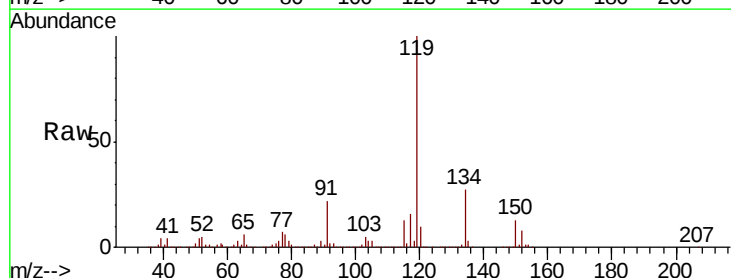
Tgt Ion:119 Resp: 834327

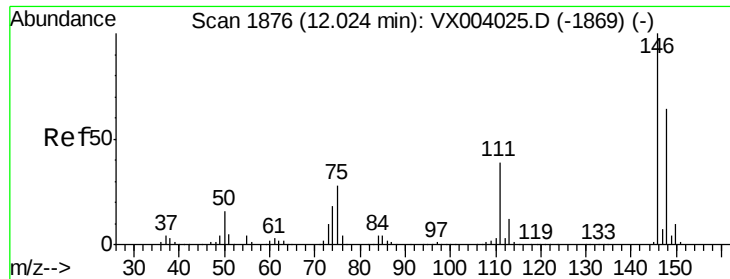
Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.8

91 22.1 10.9 32.7





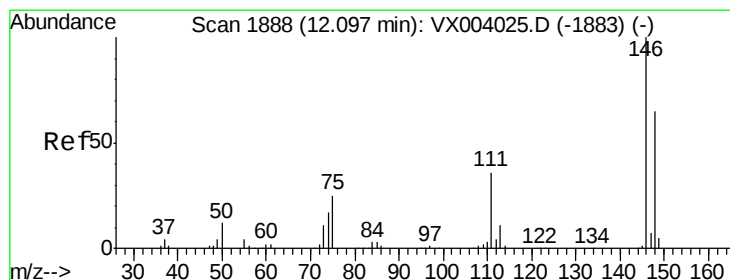
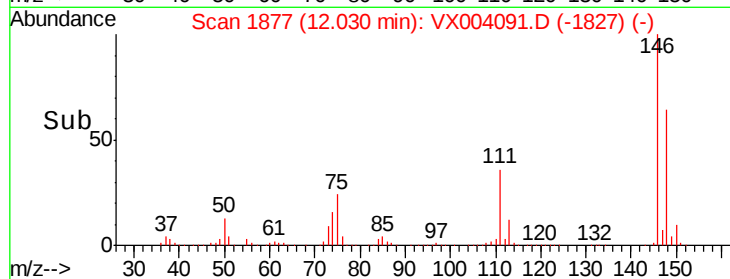
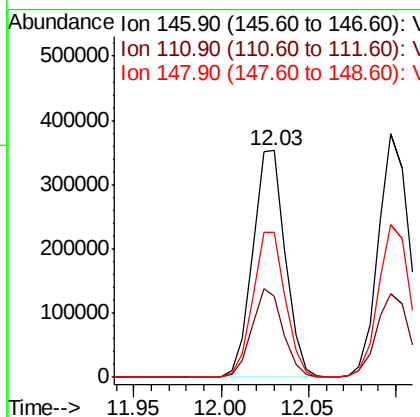
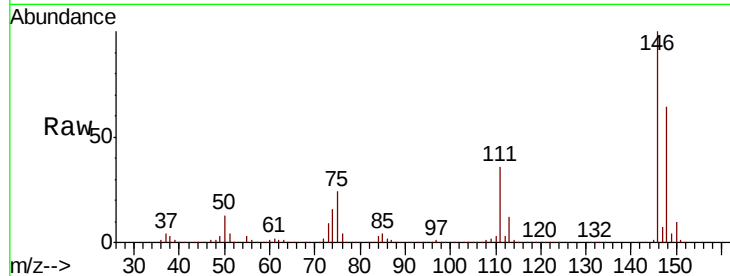
#87
 1,3-Dichlorobenzene
 Concen: 49.02 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.01 min
 Lab File: VX004091.D
 Acq: 15 Aug 2018 23:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.8	56.4
148	63.7	31.9	95.5

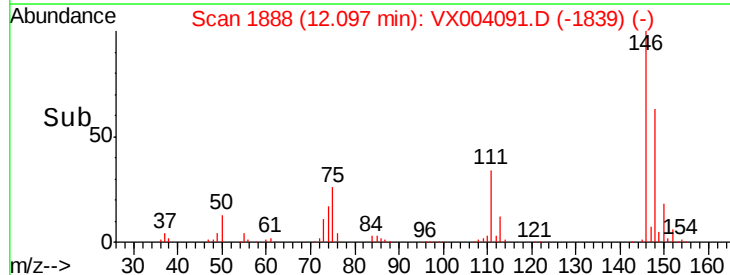
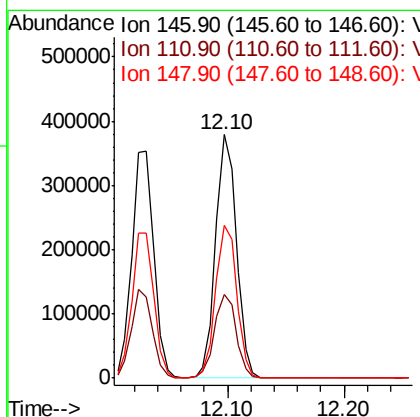
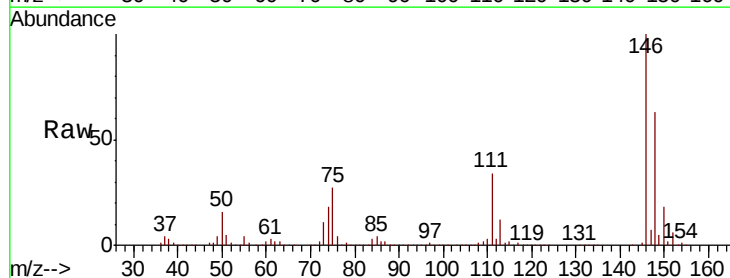
Manual Integrations
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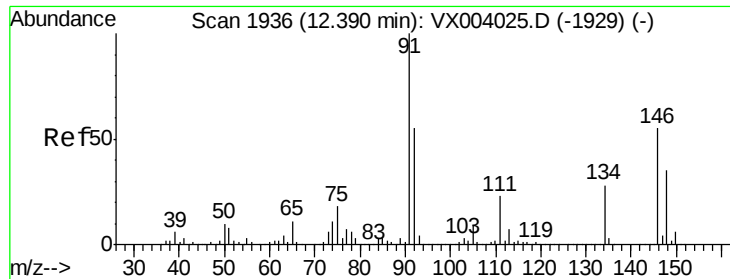
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#88
 1,4-Dichlorobenzene
 Concen: 48.33 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX004091.D
 Acq: 15 Aug 2018 23:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.4	55.0
148	64.1	32.3	96.8





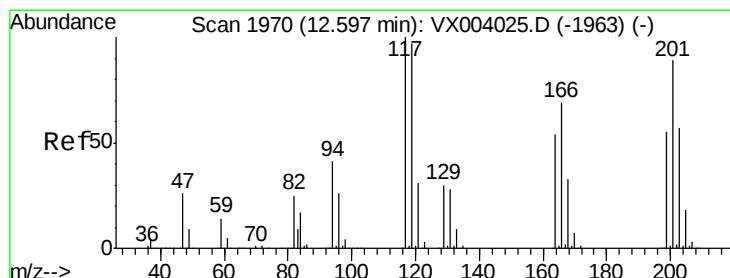
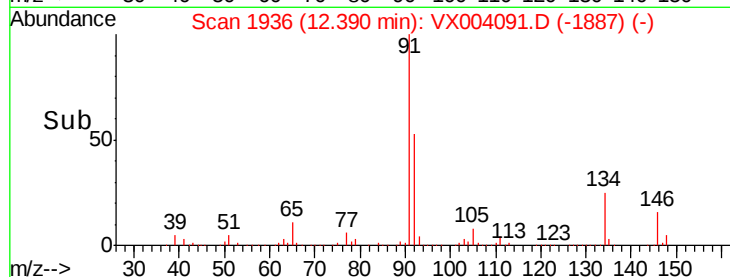
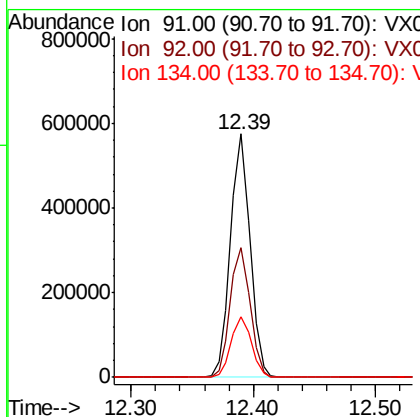
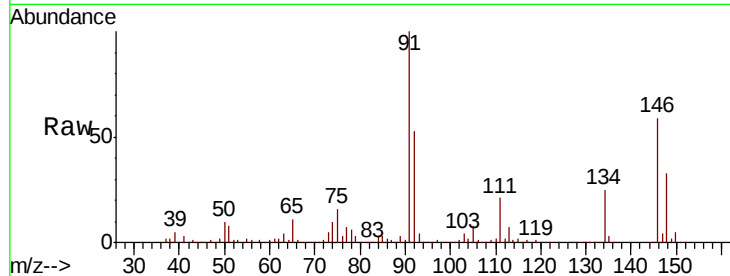
#89
n-Butylbenzene
Concen: 51.74 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004091.D
Acq: 15 Aug 2018 23:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.1	81.3
134	26.2	13.6	40.7

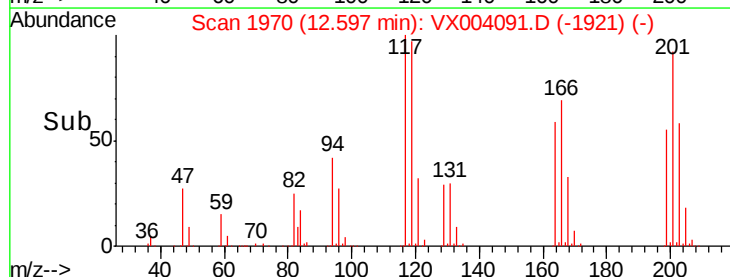
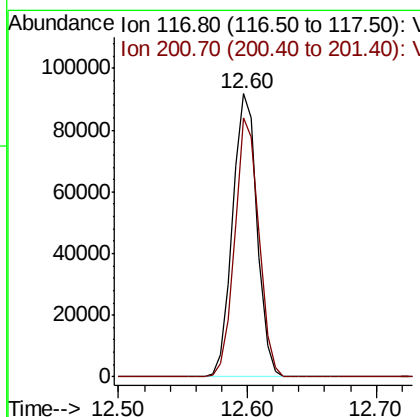
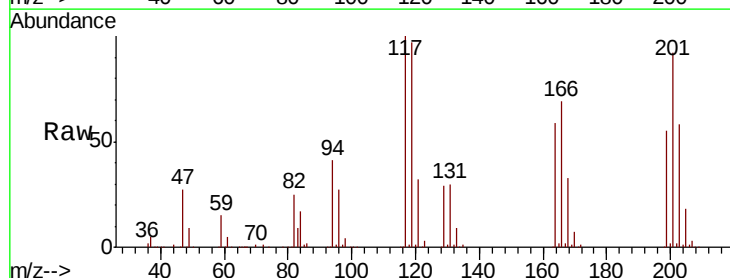
Manual Integrations
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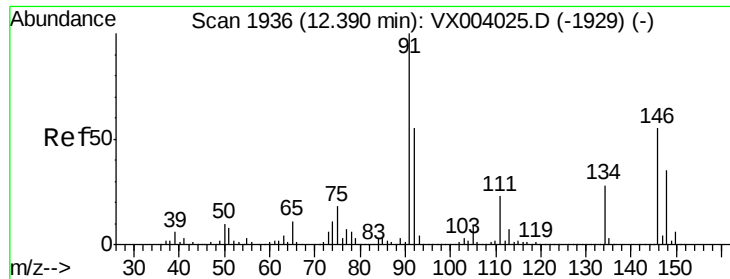
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#90
Hexachloroethane
Concen: 52.51 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX004091.D
Acq: 15 Aug 2018 23:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.4	46.1	138.2





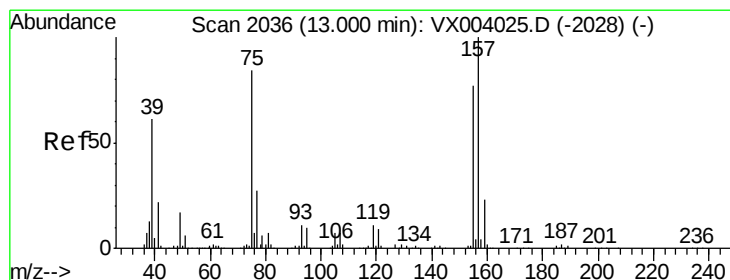
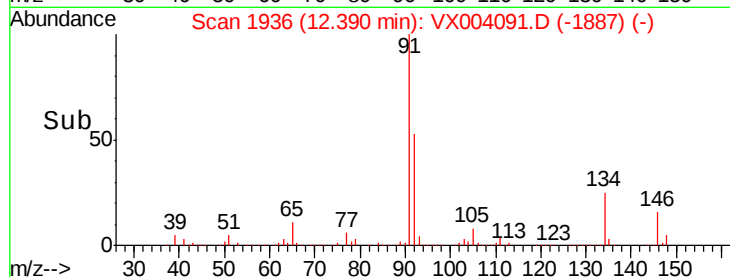
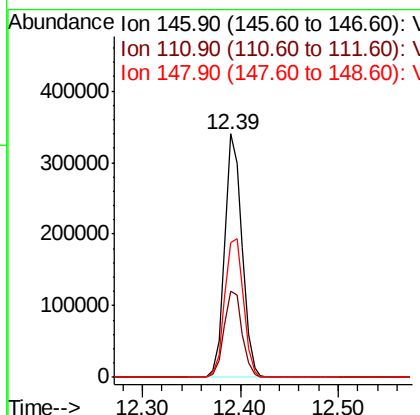
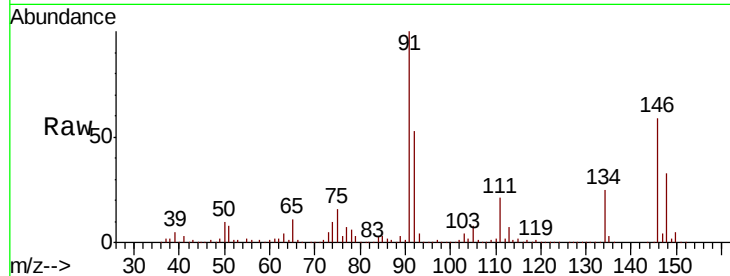
#91
 1,2-Dichlorobenzene
 Concen: 49.30 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VX004091.D
 Acq: 15 Aug 2018 23:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	19.7	59.0
148	62.2	31.9	95.5

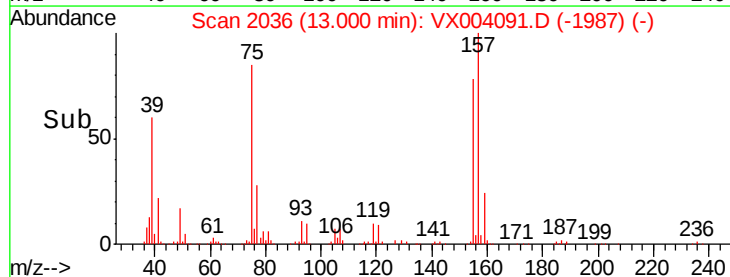
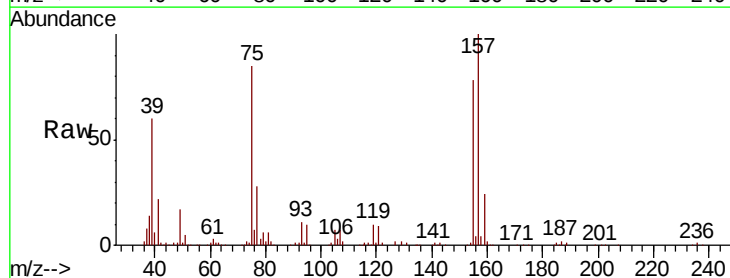
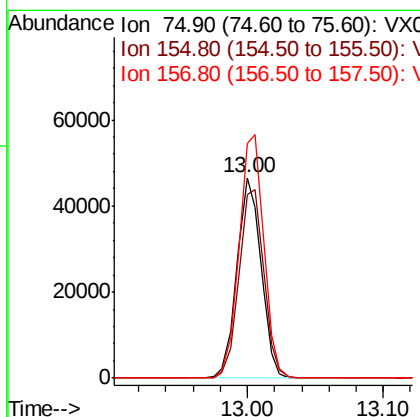
Manual Integrations
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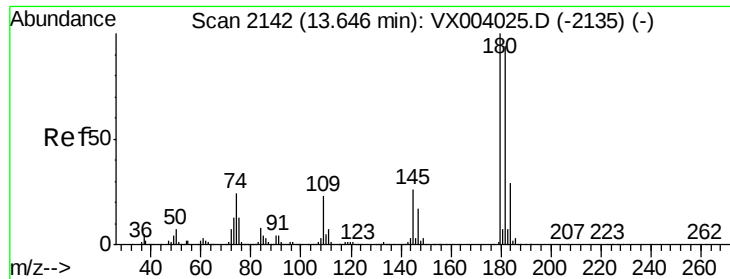
MMDadoda
 8/16/2018 4:39:58 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.69 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VX004091.D
 Acq: 15 Aug 2018 23:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.9	48.7	146.1
157	123.9	62.6	187.8





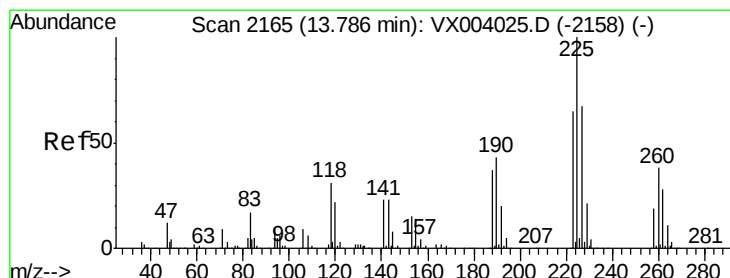
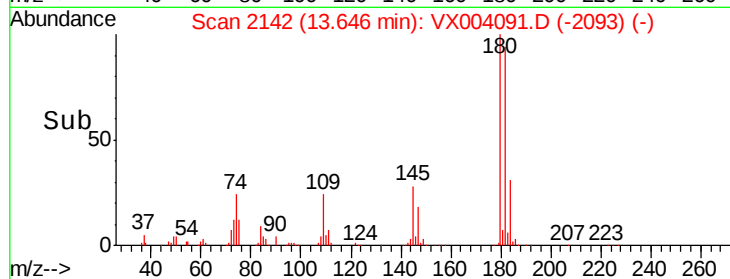
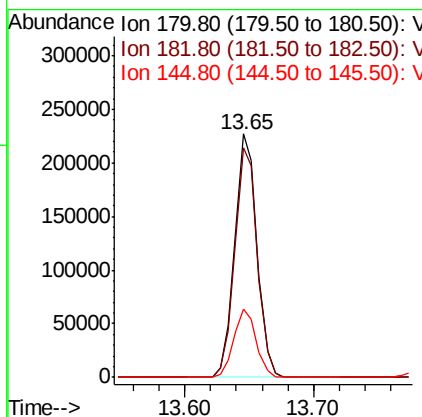
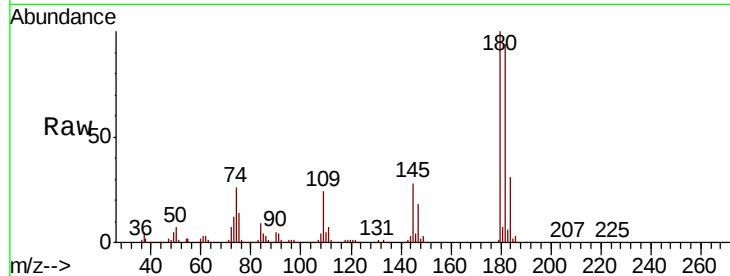
#93
 1,2,4-Trichlorobenzene
 Concen: 47.61 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004091.D
 Acq: 15 Aug 2018 23:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	274077		
182	95.2	47.7	143.1	
145	28.2	13.9	41.6	

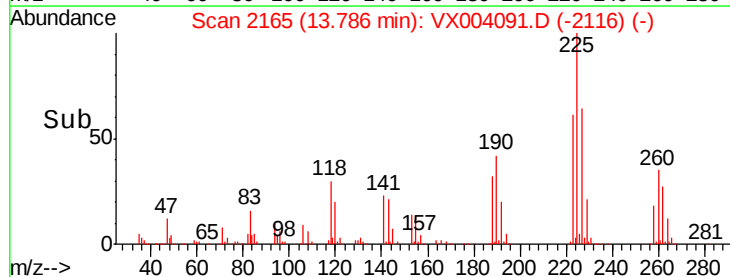
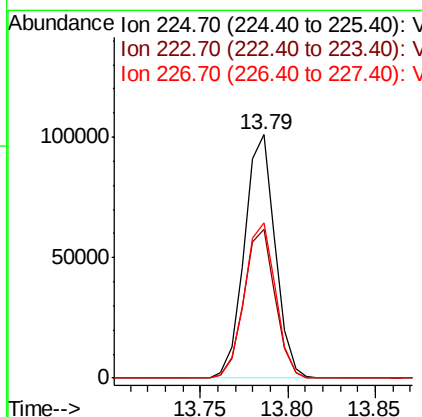
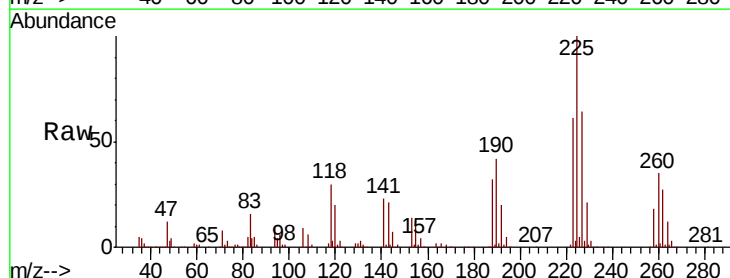
Manual Integrations
 APPROVED

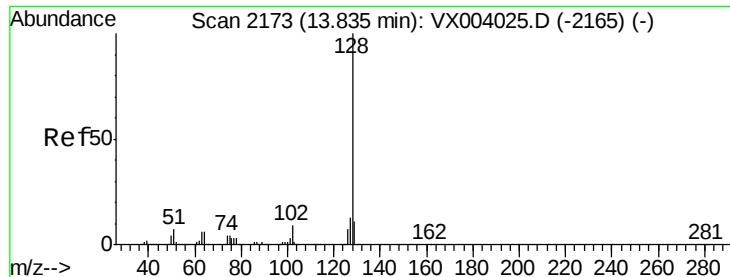
MMDadoda
 8/16/2018 4:39:58 PM



#94
 Hexachlorobutadiene
 Concen: 42.58 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX004091.D
 Acq: 15 Aug 2018 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	122887		
223	61.9	31.4	94.0	
227	64.6	32.1	96.5	





#95

Naphthalene

Concen: 47.96 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

Instrument :

MSVOA_X

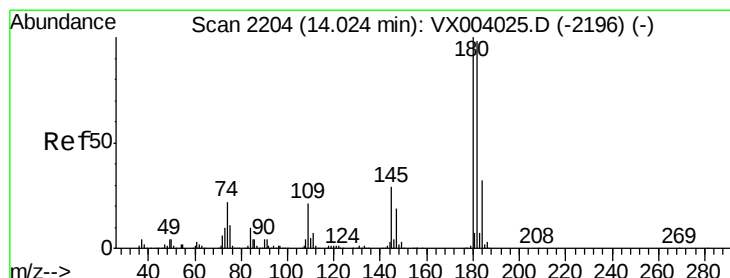
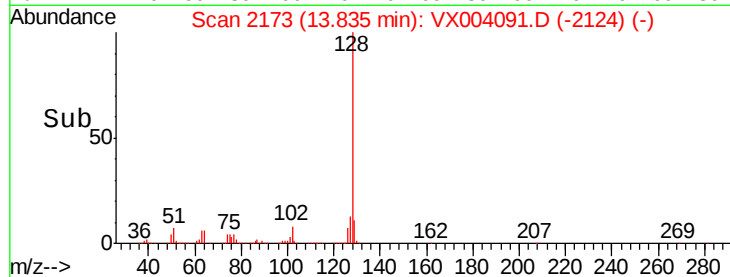
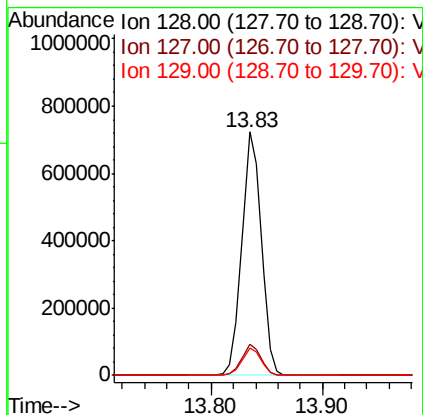
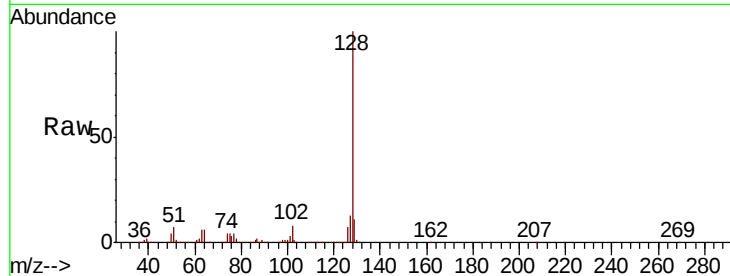
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	879285
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.2	15.2
129	10.9	8.8	13.2

Manual Integrations
APPROVED

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8/16/2018 4:39:58 PM



#96

1,2,3-Trichlorobenzene

Concen: 45.22 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

Tgt Ion:	180	Resp:	283907
Ion Ratio	Lower	Upper	
180	100		
182	96.3	48.1	144.4
145	29.5	14.9	44.7

