

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082018\
 Data File : VX004164.D
 Acq On : 20 Aug 2018 20:14
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/21/2018 11:16:59 AM

Quant Time: Aug 21 02:15:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	306151	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	453349	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	439066	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	262446	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	205121	47.55	ug/l	0.00
Spiked Amount						
			Recovery	=	95.10%	
35) Dibromofluoromethane	5.51	113	168077	49.54	ug/l	0.00
Spiked Amount						
			Recovery	=	99.08%	
50) Toluene-d8	8.71	98	666000	48.41	ug/l	0.00
Spiked Amount						
			Recovery	=	96.82%	
62) 4-Bromofluorobenzene	11.14	95	244727	49.05	ug/l	0.00
Spiked Amount						
			Recovery	=	98.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	134466	45.12	ug/l	99
3) Chloromethane	1.32	50	172839	47.26	ug/l	100
4) Vinyl Chloride	1.40	62	182279	46.07	ug/l	100
5) Bromomethane	1.64	94	91116	45.42	ug/l	97
6) Chloroethane	1.72	64	125209	48.04	ug/l	98
7) Trichlorofluoromethane	1.92	101	251604	45.33	ug/l	97
8) Diethyl Ether	2.19	74	114012	47.05	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	157625	45.52	ug/l	99
10) Methyl Iodide	2.51	142	154129	42.51	ug/l	99
11) Tert butyl alcohol	3.08	59	207658	239.06	ug/l	100
12) 1,1-Dichloroethene	2.37	96	149427	46.40	ug/l	98
13) Acrolein	2.29	56	147545	250.34	ug/l	98
14) Allyl chloride	2.72	41	286438	46.74	ug/l	99
15) Acrylonitrile	3.15	53	507953	234.54	ug/l	98
16) Acetone	2.45	43	517794	230.88	ug/l	100
17) Carbon Disulfide	2.56	76	394209	43.15	ug/l	99
18) Methyl Acetate	2.78	43	264368	53.05	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	537122	47.34	ug/l	100
20) Methylene Chloride	2.86	84	178122	48.58	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	164290	44.92	ug/l	92
22) Diisopropyl ether	3.87	45	558099	46.48	ug/l	98
23) Vinyl Acetate	3.82	43	2272787	230.44	ug/l	98
24) 1,1-Dichloroethane	3.69	63	309086	45.44	ug/l	99
25) 2-Butanone	4.70	43	831098	227.76	ug/l	100
26) 1,2-Dichloropropane	4.58	77	218835	40.47	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	192165	46.72	ug/l	95
28) Bromochloromethane	5.01	49	153091	49.06	ug/l	100
29) Tetrahydrofuran	5.16	42	424405	227.65	ug/l	99
30) Chloroform	5.21	83	309859	46.68	ug/l	94
31) Cyclohexane	5.57	56	270452	45.36	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	264948	47.76	ug/l	99
36) 1,1-Dichloropropene	5.79	75	238242	46.18	ug/l	99
37) Ethyl Acetate	4.85	43	248295	44.20	ug/l	99
38) Carbon Tetrachloride	5.78	117	236220	47.13	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	280426	47.92	ug/l	99
40) Benzene	6.14	78	740621	47.81	ug/l	99
41) Methacrylonitrile	5.06	41	141654	45.02	ug/l	99
42) 1,2-Dichloroethane	6.20	62	254759	46.98	ug/l	100
43) Isopropyl Acetate	6.46	43	394428	47.63	ug/l	100
44) Trichloroethene	7.21	130	197710	47.01	ug/l	93
45) 1,2-Dichloropropane	7.52	63	191868	48.38	ug/l	99
46) Dibromomethane	7.67	93	125135	48.29	ug/l	100
47) Bromodichloromethane	7.90	83	242601	49.43	ug/l	99
48) Methyl methacrylate	7.78	41	209947	50.37	ug/l	99
49) 1,4-Dioxane	7.76	88	95143	1013.79	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1699364	250.29	ug/l	99
52) Toluene	8.79	92	479404	48.93	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	270439	51.00	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	293751	50.03	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	194401	48.05	ug/l	98
56) Ethyl methacrylate	9.18	69	288769	52.49	ug/l	99
57) 1,3-Dichloropropane	9.37	76	329032	49.02	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	724363	258.57	ug/l	100
59) 2-Hexanone	9.50	43	1304373	255.26	ug/l	100
60) Dibromochloromethane	9.59	129	196869	50.57	ug/l	99
61) 1,2-Dibromoethane	9.67	107	202722	49.15	ug/l	100
64) Tetrachloroethene	9.34	164	183434	44.08	ug/l	94
65) Chlorobenzene	10.14	112	531179	46.83	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	189857	49.08	ug/l	98
67) Ethyl Benzene	10.25	91	882804	49.15	ug/l	96
68) m/p-Xylenes	10.36	106	698589	99.33	ug/l	98
69) o-Xylene	10.70	106	331486	49.32	ug/l	98
70) Styrene	10.71	104	569292	50.33	ug/l	97
71) Bromoform	10.86	173	145819	47.54	ug/l #	100
73) Isopropylbenzene	11.02	105	926656	52.18	ug/l	97
74) N-amyl acetate	6.46	43	394428	47.22	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	310737	50.10	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	274300m	52.12	ug/l	
77) Bromobenzene	11.26	156	245415	50.13	ug/l	99
78) n-propylbenzene	11.36	91	1058540	53.26	ug/l	100
79) 2-Chlorotoluene	11.42	91	625704	51.66	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	735967	50.61	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	83809	49.29	ug/l	99
82) 4-Chlorotoluene	11.51	91	725806	50.69	ug/l	98
83) tert-Butylbenzene	11.77	119	765246	52.19	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	793295	52.67	ug/l	100
85) sec-Butylbenzene	11.94	105	904544	52.71	ug/l	100
86) p-Isopropyltoluene	12.07	119	814837	52.45	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	460801	49.35	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	454780	47.32	ug/l	99
89) n-Butylbenzene	12.39	91	634608	51.84	ug/l	98
90) Hexachloroethane	12.60	117	114149	49.11	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	425061	50.47	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	53409	49.00	ug/l	99

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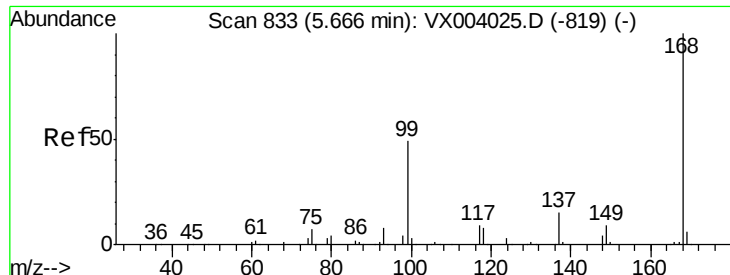
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	316690	55.01	ug/l	98
94) Hexachlorobutadiene	13.78	225	141397	49.00	ug/l	99
95) Naphthalene	13.83	128	954497	51.97	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	338114	53.86	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 306151

Ion Ratio Lower Upper

168 100

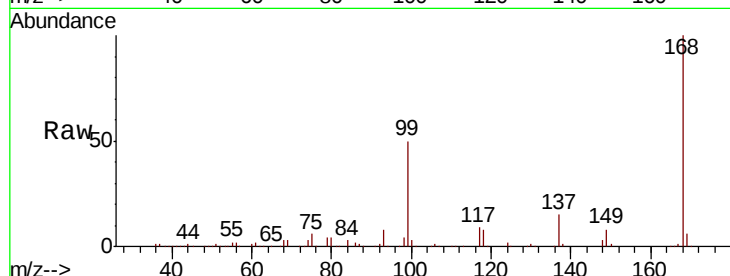
99 49.9 40.1 60.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

120000

100000

80000

60000

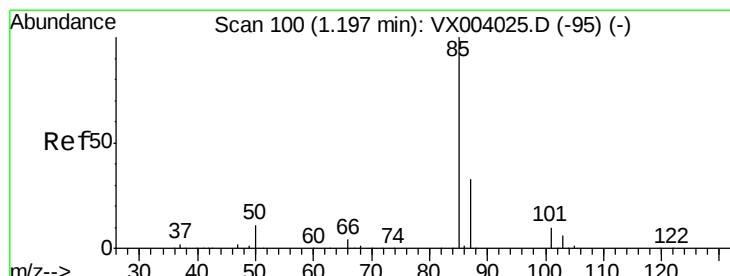
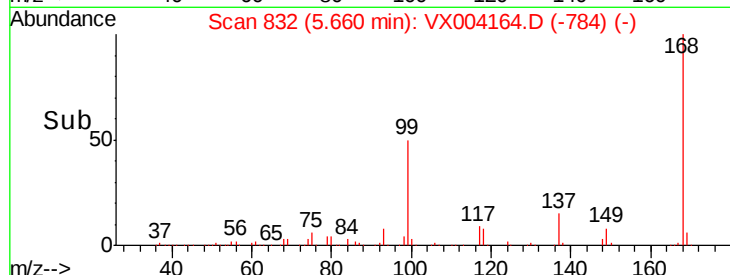
40000

20000

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Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 45.12 ug/l

RT: 1.19 min Scan# 99

Delta R.T. -0.01 min

Lab File: VX004164.D

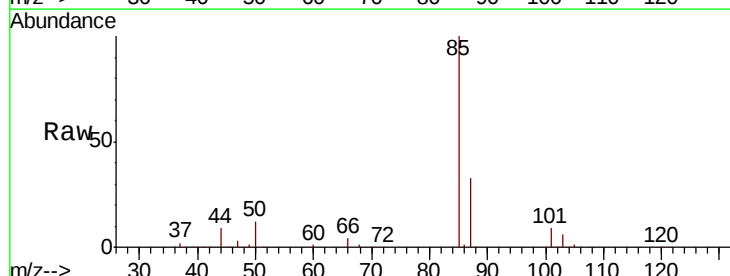
Acq: 20 Aug 2018 20:14

Tgt Ion: 85 Resp: 134466

Ion Ratio Lower Upper

85 100

87 32.5 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

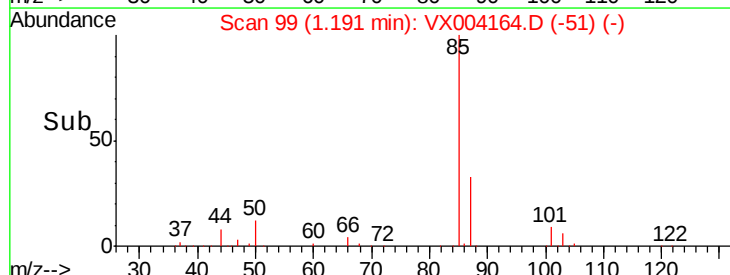
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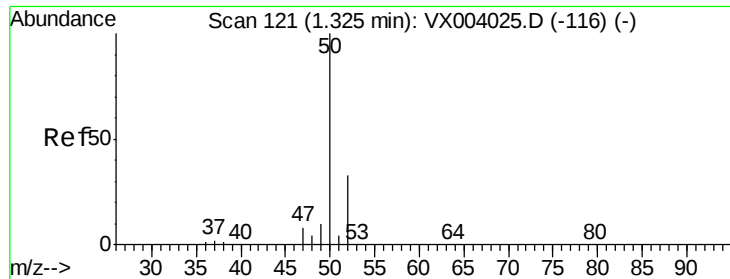
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Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 47.26 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 172839

Ion Ratio Lower Upper

50 100

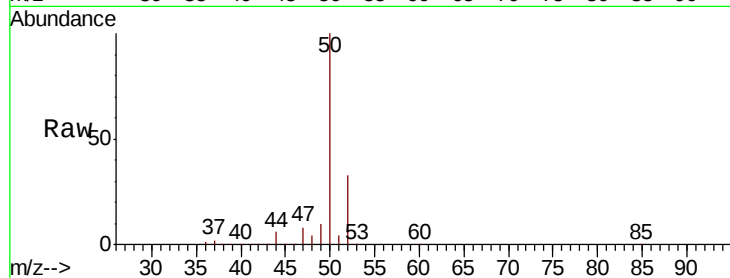
52 33.0 26.6 39.8

Manual Integrations

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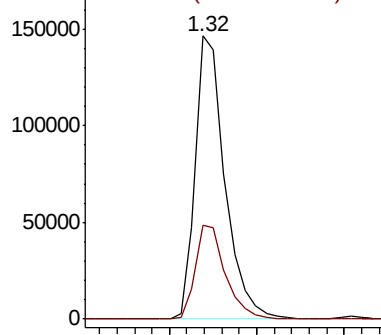
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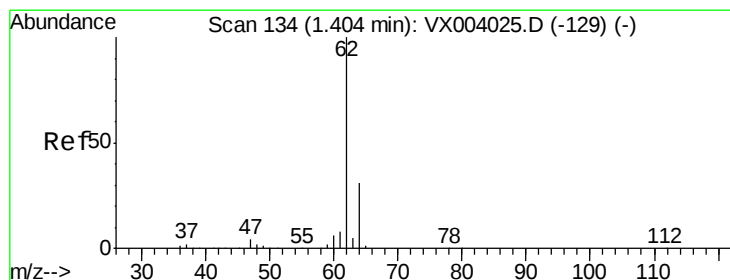
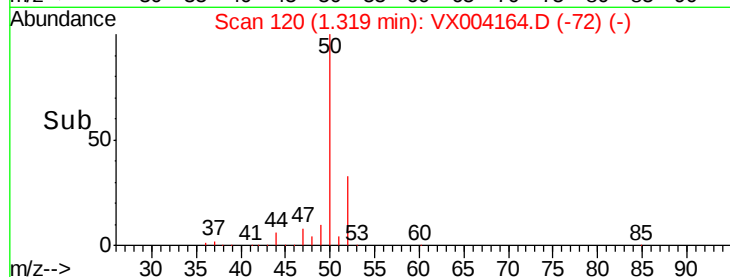


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#4

Vinyl Chloride

Concen: 46.07 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004164.D

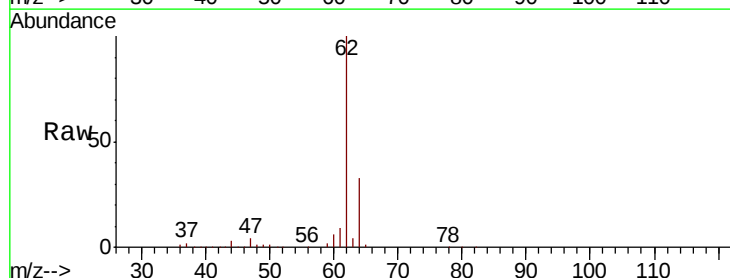
Acq: 20 Aug 2018 20:14

Tgt Ion: 62 Resp: 182279

Ion Ratio Lower Upper

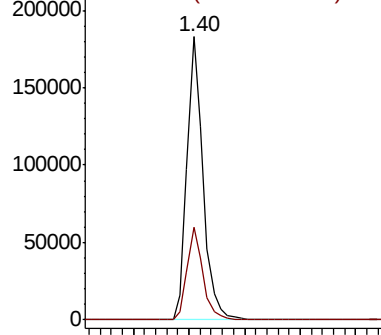
62 100

64 32.5 26.0 39.0

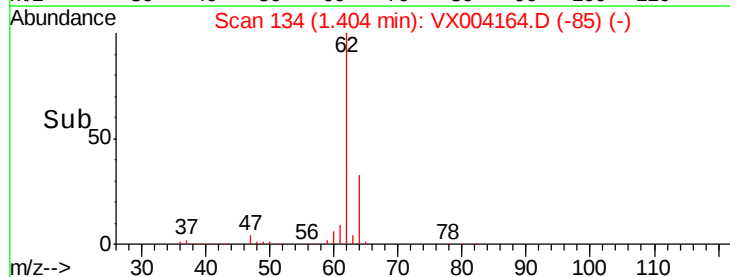


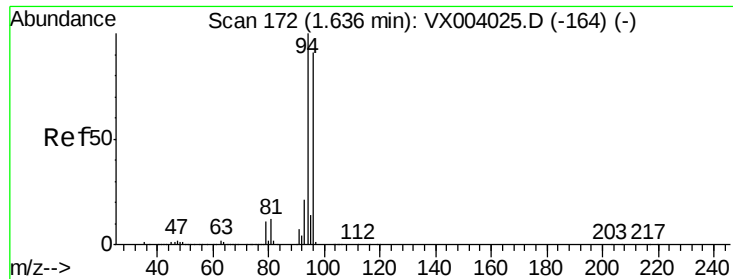
Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time-->





#5

Bromomethane

Concen: 45.42 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 91116

Ion Ratio Lower Upper

94 100

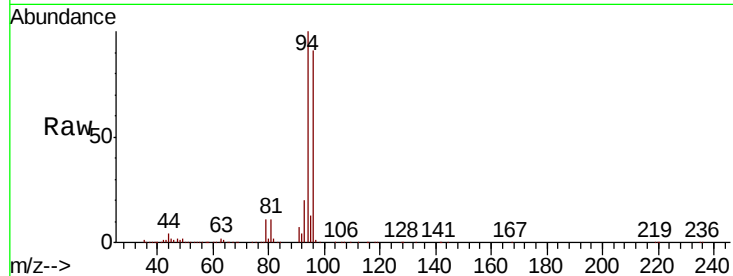
96 91.2 75.2 112.8

Manual Integrations

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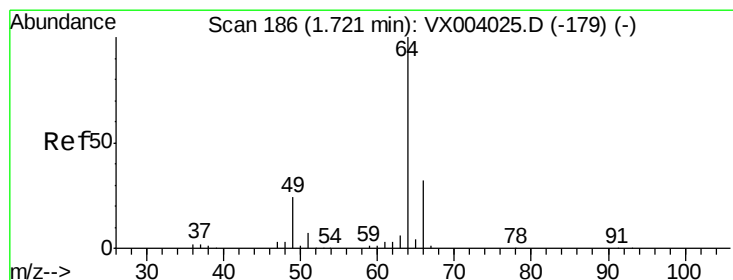
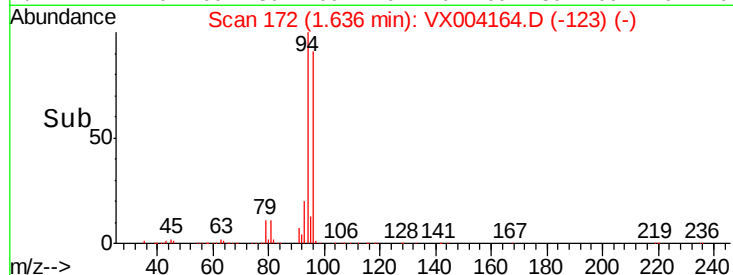
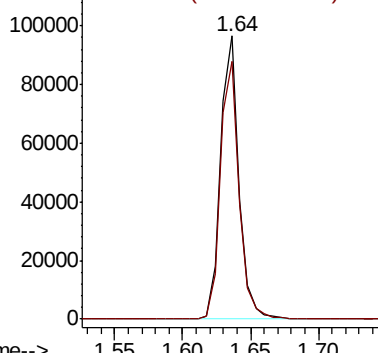
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 48.04 ug/l

RT: 1.72 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX004164.D

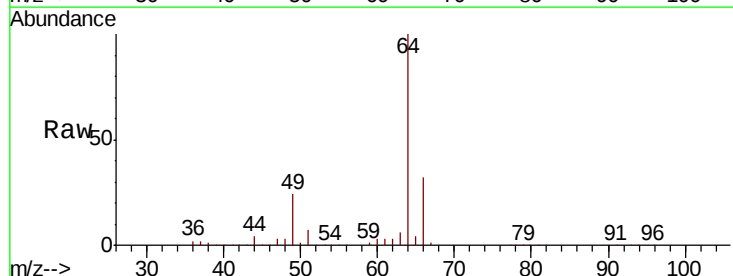
Acq: 20 Aug 2018 20:14

Tgt Ion: 64 Resp: 125209

Ion Ratio Lower Upper

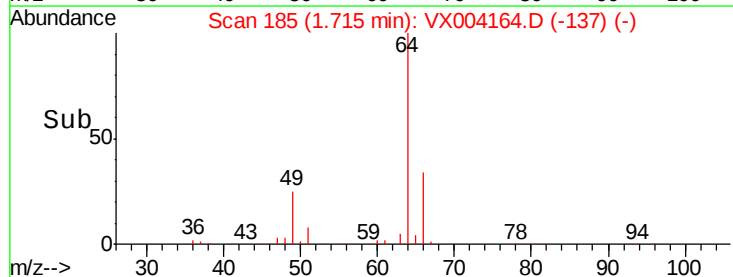
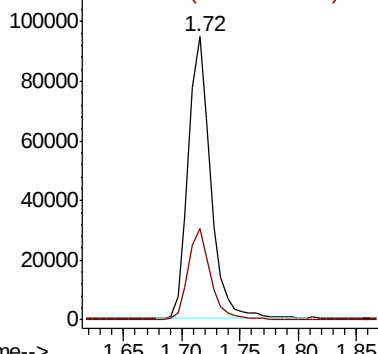
64 100

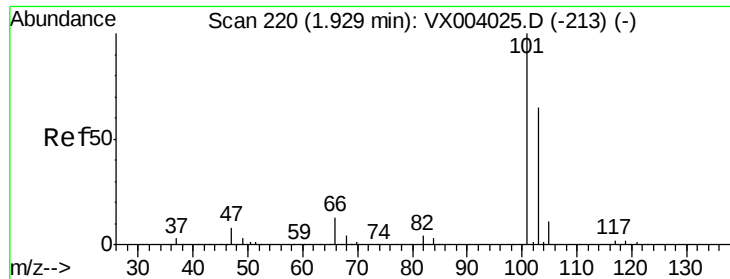
66 32.2 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

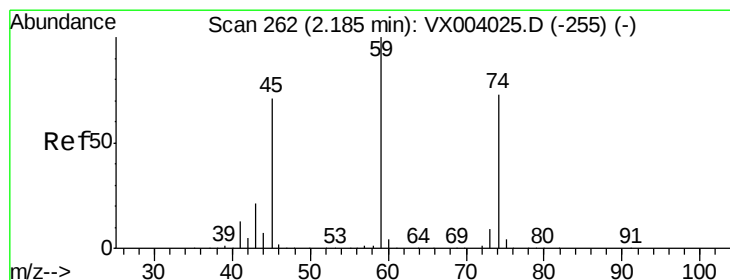
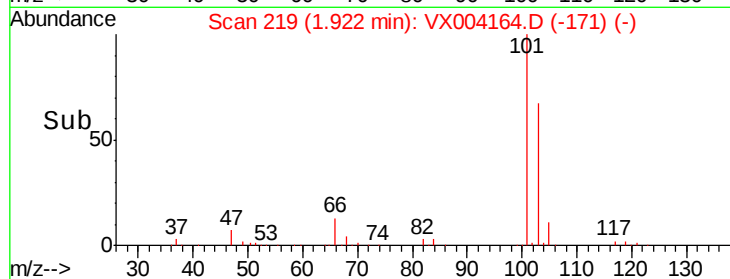
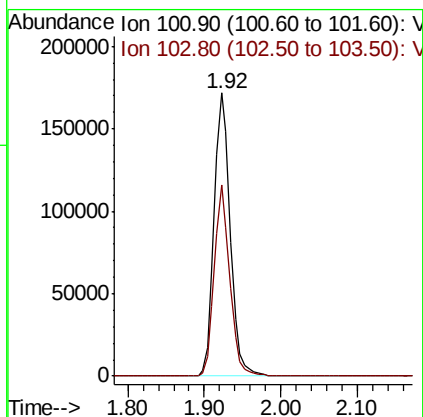
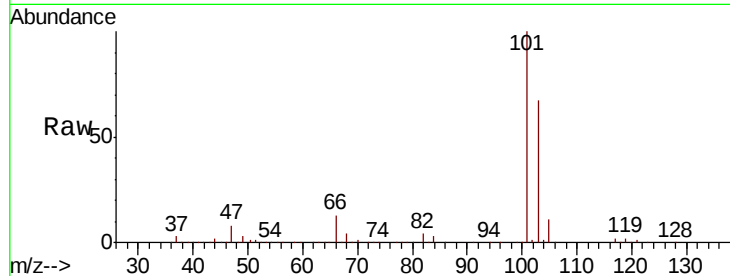
Trichlorofluoromethane
 Concen: 45.33 ug/l
 RT: 1.92 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VX004164.D
 Acq: 20 Aug 2018 20:14

Instrument :
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 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.5	52.3	78.5

Manual Integrations
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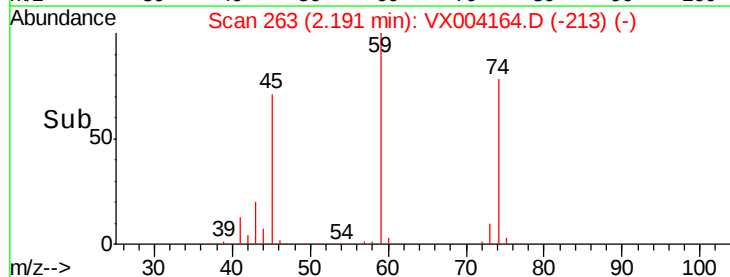
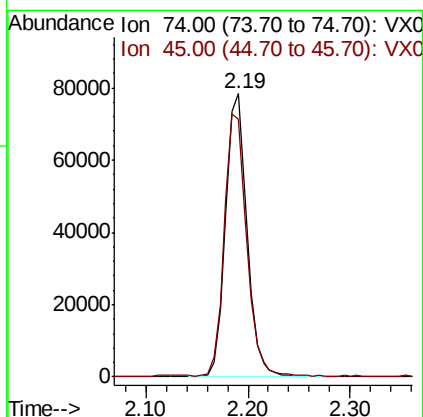
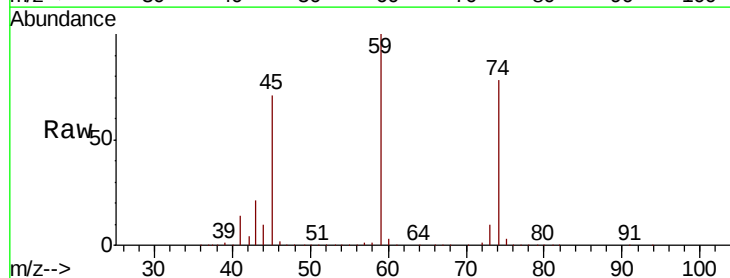
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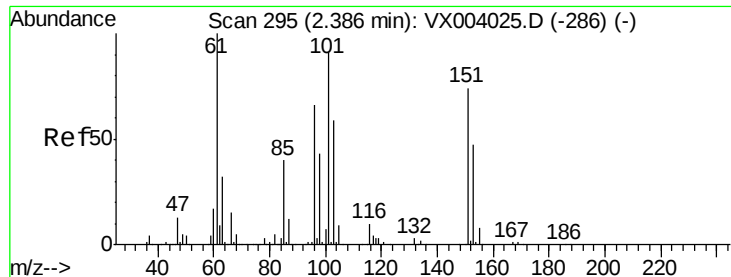


#8

Diethyl Ether
 Concen: 47.05 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.01 min
 Lab File: VX004164.D
 Acq: 20 Aug 2018 20:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.2	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.52 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

Instrument :

MSVOA_X

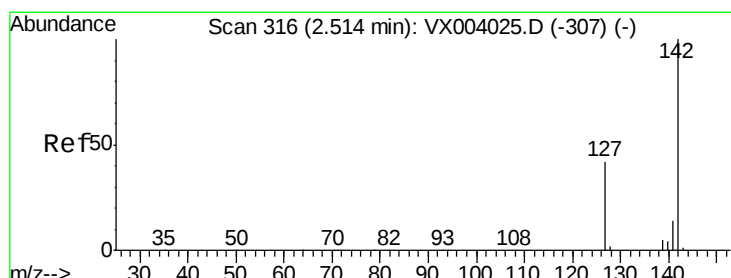
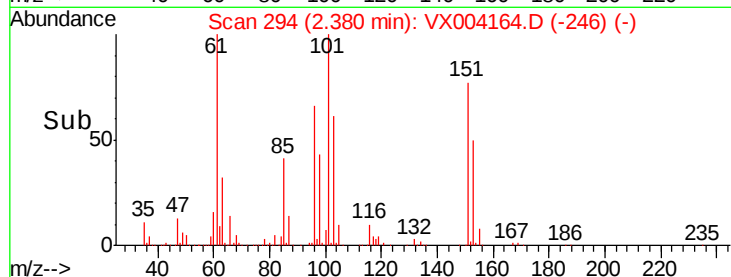
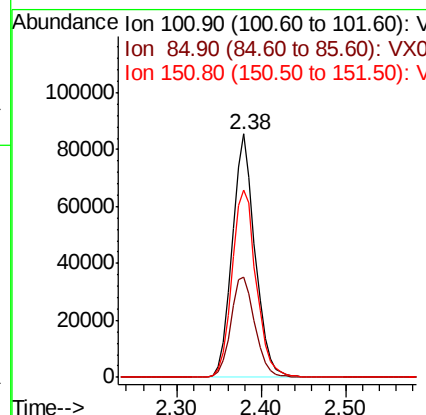
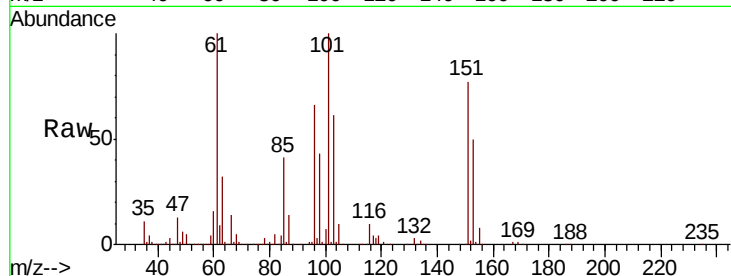
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	157625
Ion Ratio	Lower	Upper	
101	100		
85	43.5	34.2	51.4
151	81.4	65.0	97.4

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#10

Methyl Iodide

Concen: 42.51 ug/l

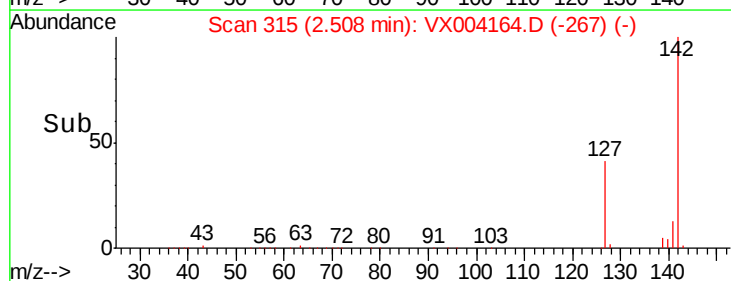
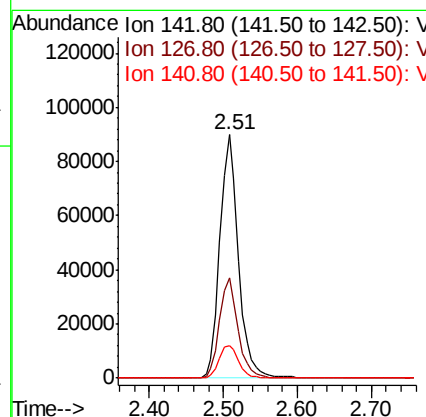
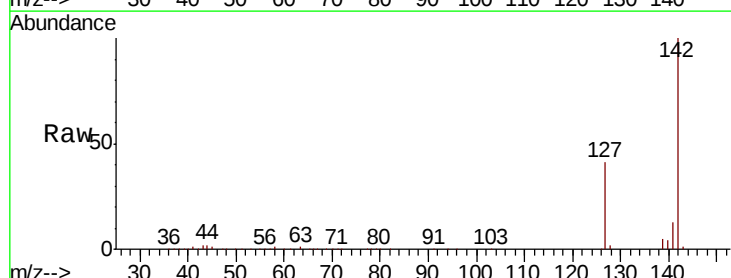
RT: 2.51 min Scan# 315

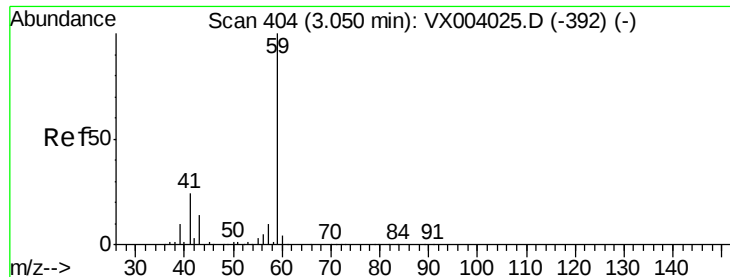
Delta R.T. -0.01 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

Tgt Ion:	142	Resp:	154129
Ion Ratio	Lower	Upper	
142	100		
127	41.1	33.1	49.7
141	14.3	11.1	16.7





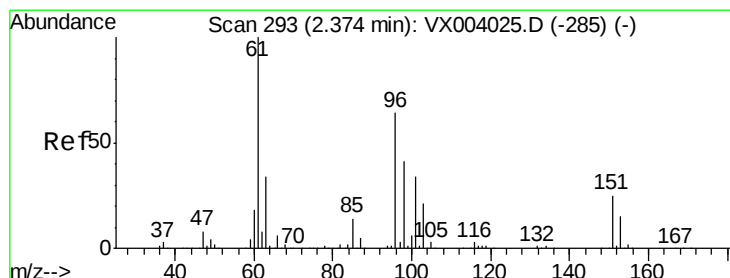
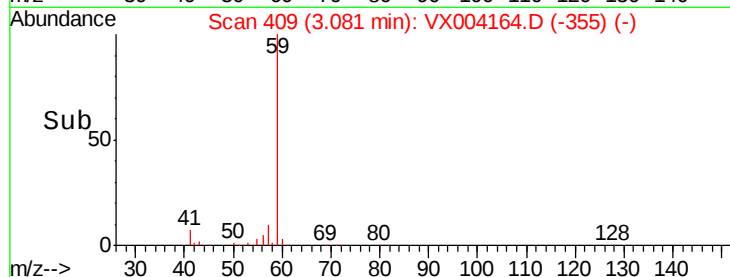
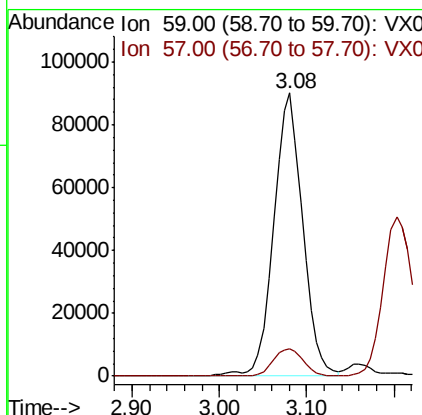
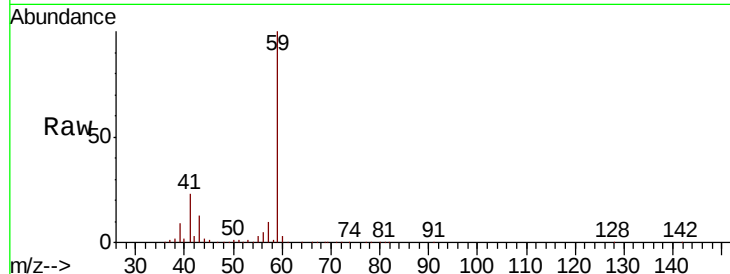
#11
Tert butyl alcohol
Concen: 239.06 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.03 min
Lab File: VX004164.D
Acq: 20 Aug 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 207658
Ion Ratio Lower Upper
59 100
57 10.2 8.1 12.1

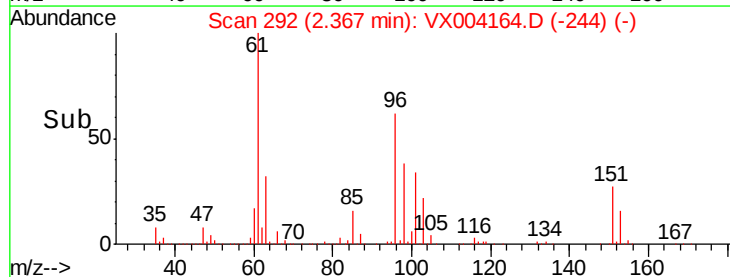
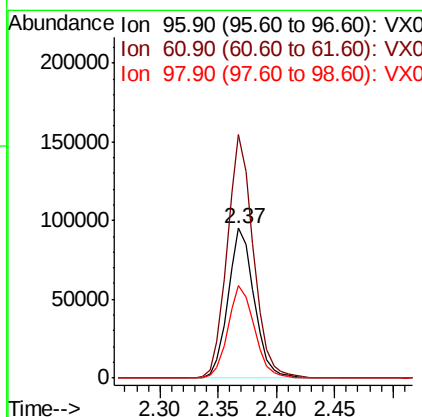
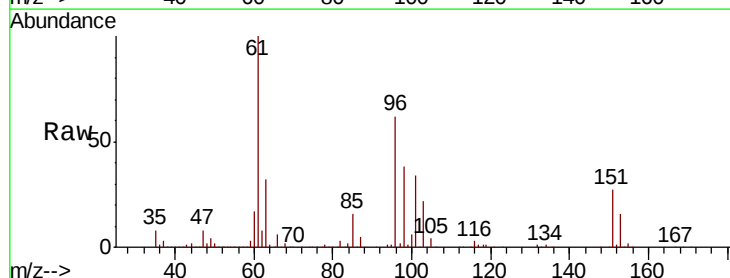
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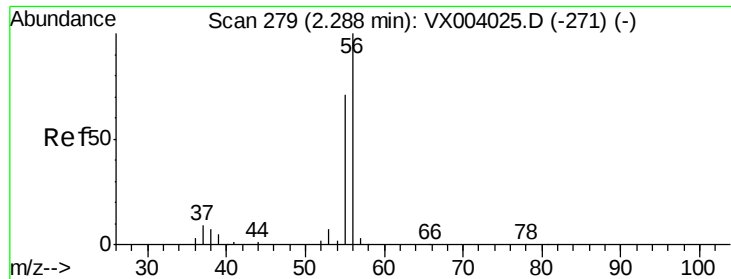
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#12
1,1-Dichloroethene
Concen: 46.40 ug/l
RT: 2.37 min Scan# 292
Delta R.T. -0.01 min
Lab File: VX004164.D
Acq: 20 Aug 2018 20:14

Tgt Ion: 96 Resp: 149427
Ion Ratio Lower Upper
96 100
61 162.2 131.3 196.9
98 62.0 51.8 77.6





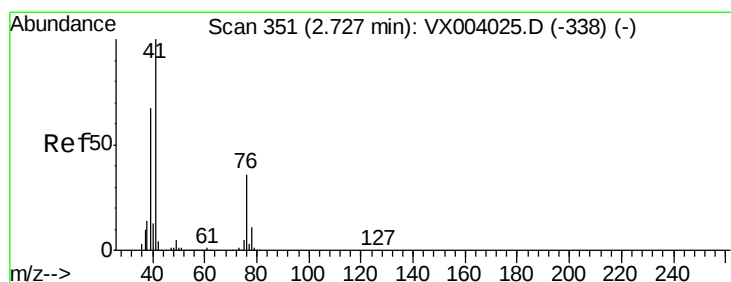
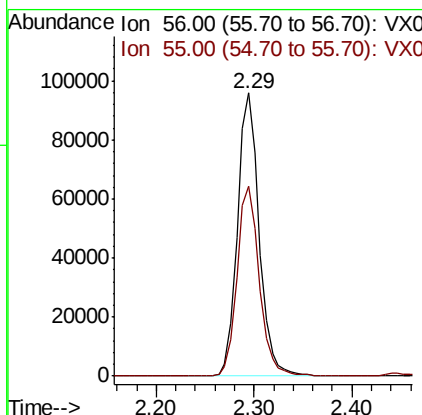
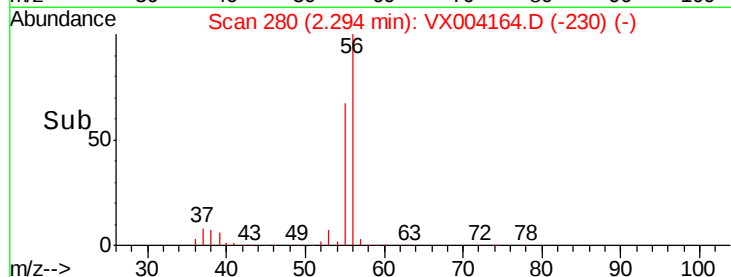
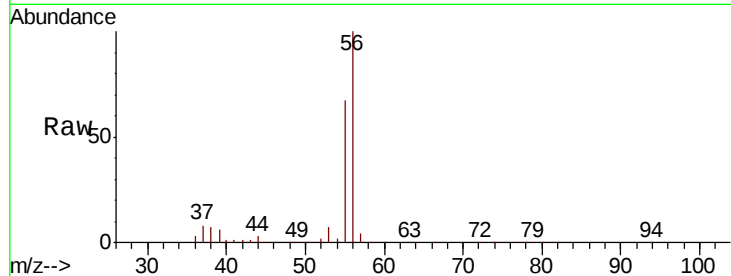
#13
 Acrolein
 Concen: 250.34 ug/l
 RT: 2.29 min Scan# 280
 Delta R.T. 0.01 min
 Lab File: VX004164.D
 Acq: 20 Aug 2018 20:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	68.3	56.1	84.1

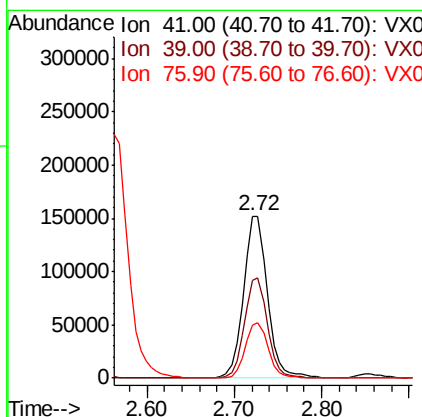
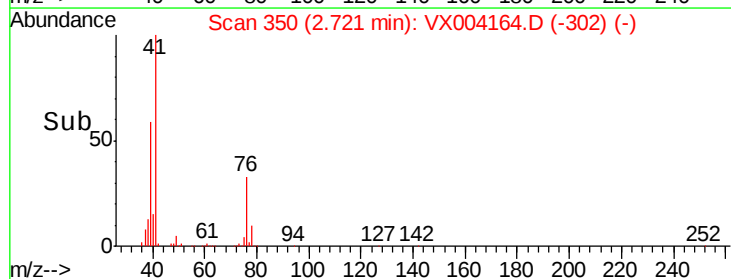
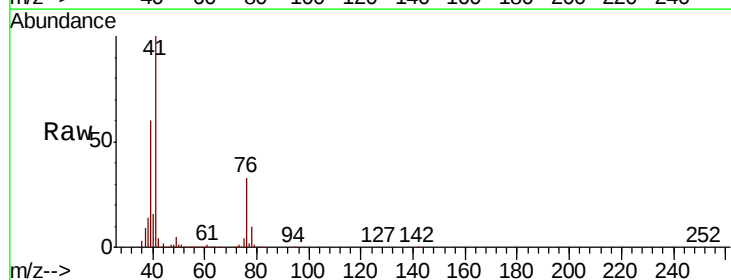
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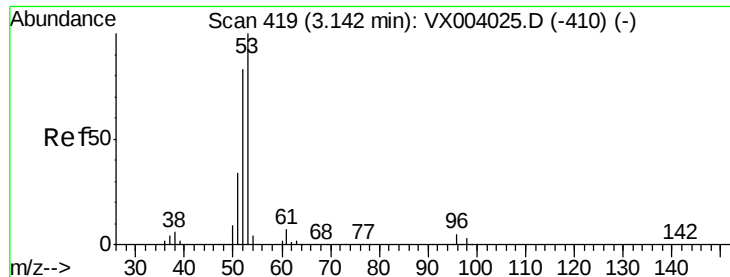
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#14
 Allyl chloride
 Concen: 46.74 ug/l
 RT: 2.72 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VX004164.D
 Acq: 20 Aug 2018 20:14

Tgt Ion	Ratio	Lower	Upper
41	100		
39	59.9	47.4	71.0
76	33.0	26.0	39.0





#15

Acrylonitrile

Concen: 234.54 ug/l

RT: 3.15 min Scan# 420

Delta R.T. 0.01 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

Instrument :

MSVOA_X

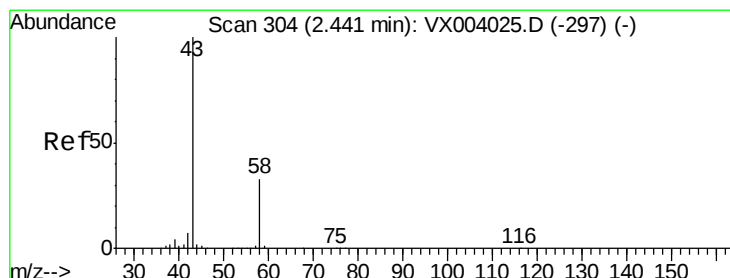
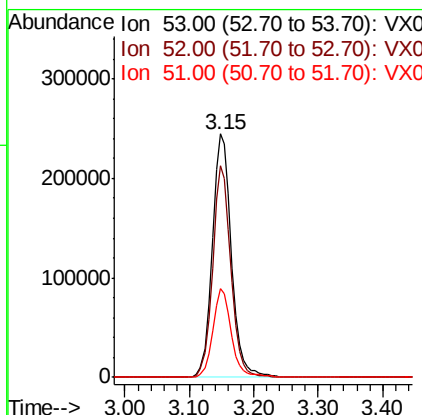
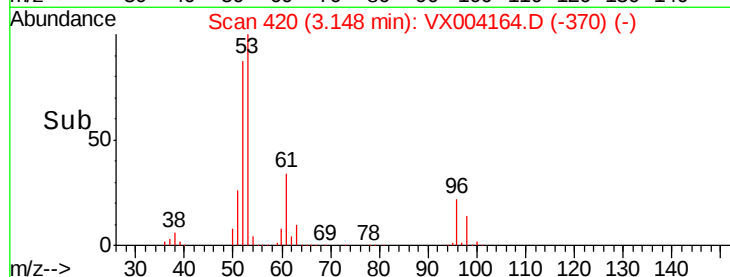
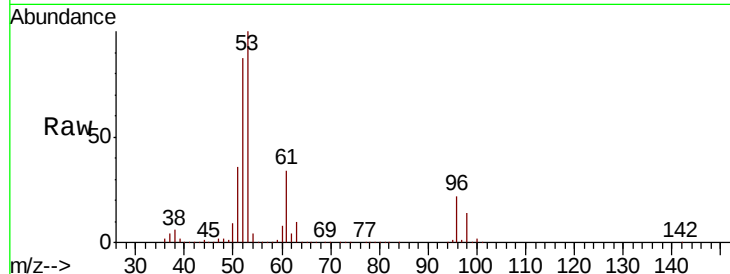
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	507953
Ion Ratio	Lower	Upper	
53	100		
52	83.4	65.3	97.9
51	35.5	27.9	41.9

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#16

Acetone

Concen: 230.88 ug/l

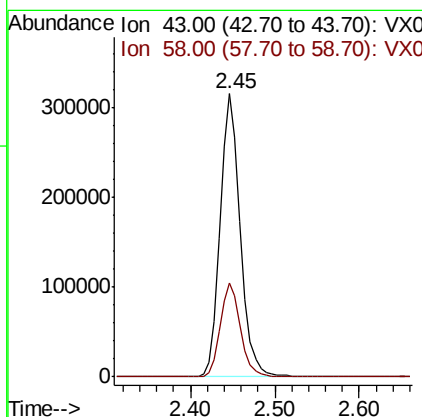
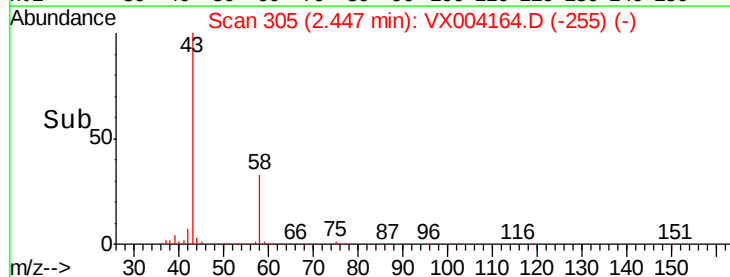
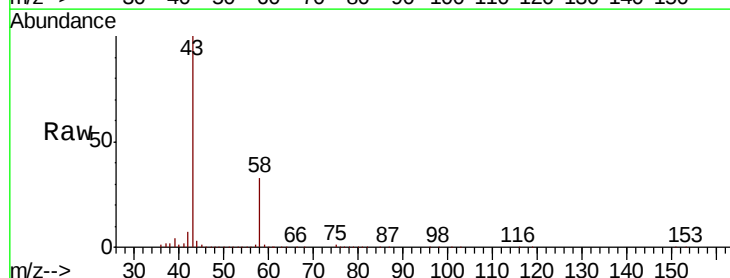
RT: 2.45 min Scan# 305

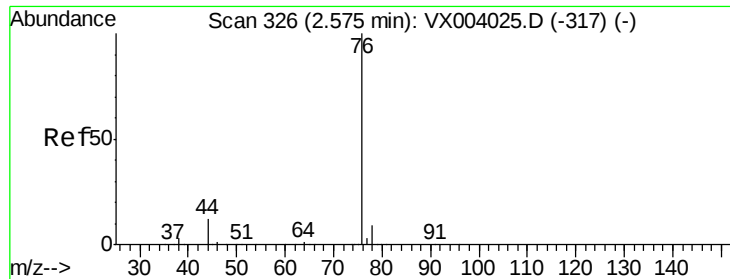
Delta R.T. 0.01 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

Tgt Ion:	43	Resp:	517794
Ion Ratio	Lower	Upper	
43	100		
58	33.1	26.4	39.6





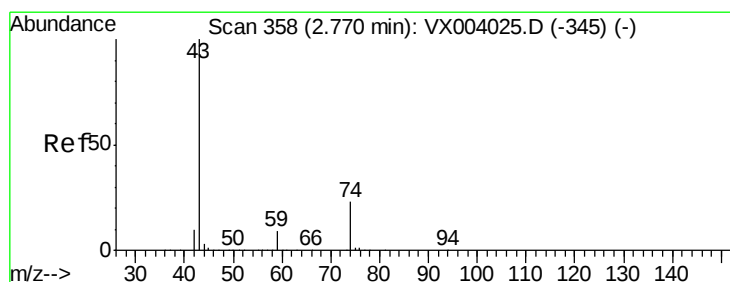
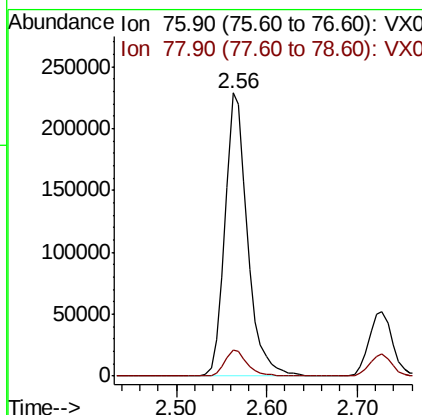
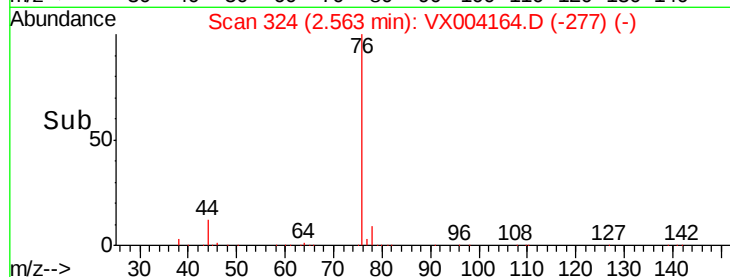
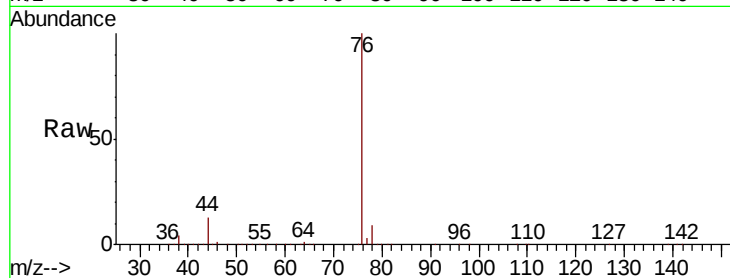
#17
Carbon Disulfide
Concen: 43.15 ug/l
RT: 2.56 min Scan# 324
Delta R.T. -0.01 min
Lab File: VX004164.D
Acq: 20 Aug 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.5	11.3

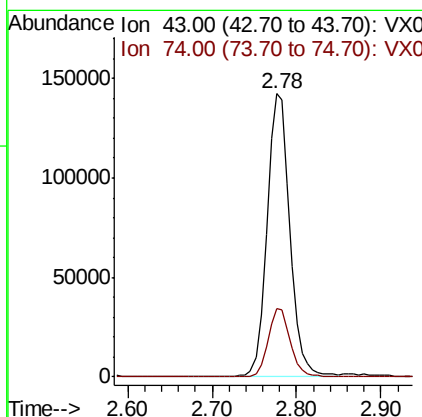
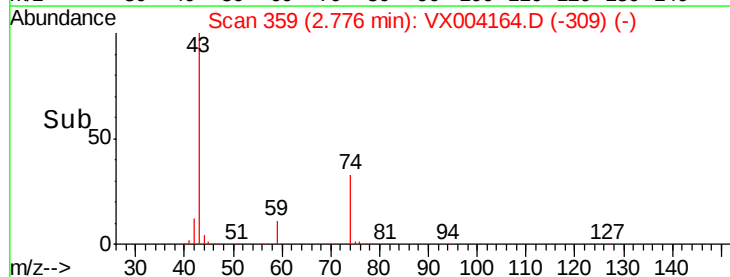
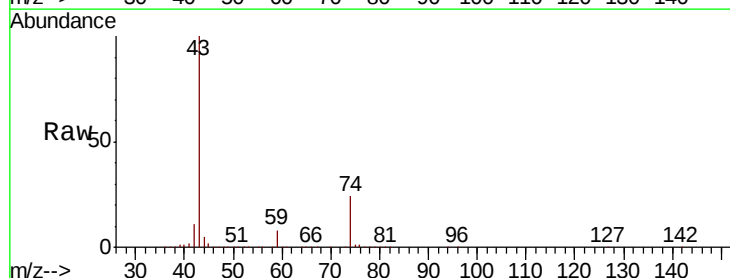
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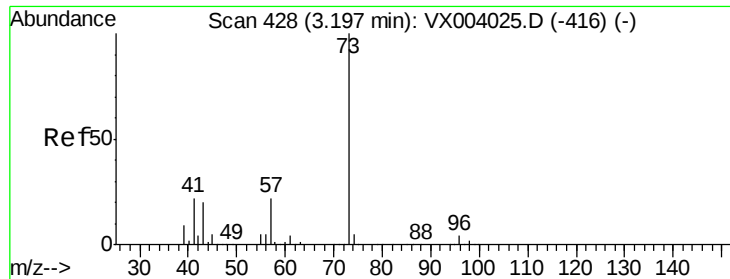
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#18
Methyl Acetate
Concen: 53.05 ug/l
RT: 2.78 min Scan# 359
Delta R.T. 0.01 min
Lab File: VX004164.D
Acq: 20 Aug 2018 20:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	18.9	28.3





#19

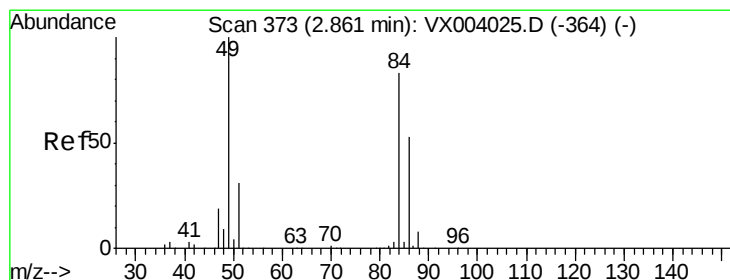
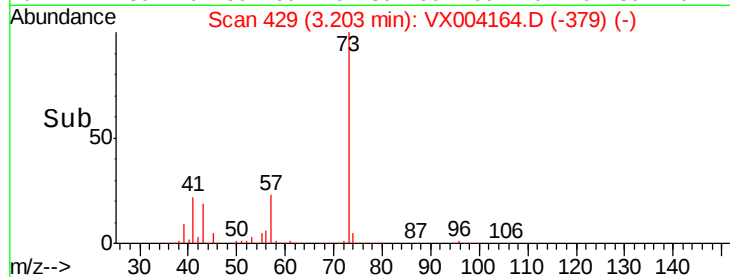
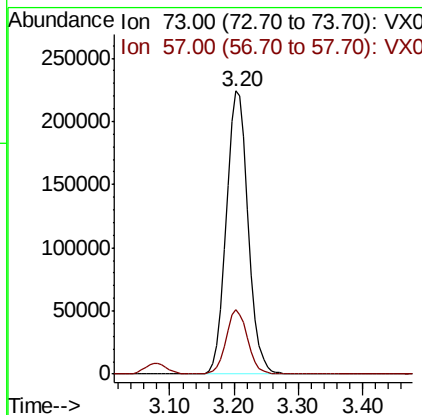
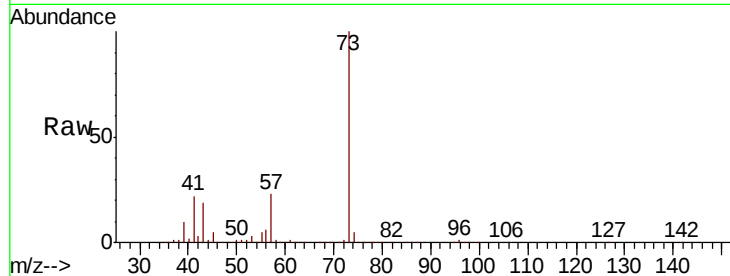
Methyl tert-butyl Ether
 Concen: 47.34 ug/l
 RT: 3.20 min Scan# 429
 Delta R.T. 0.01 min
 Lab File: VX004164.D
 Acq: 20 Aug 2018 20:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.7	18.0	27.0

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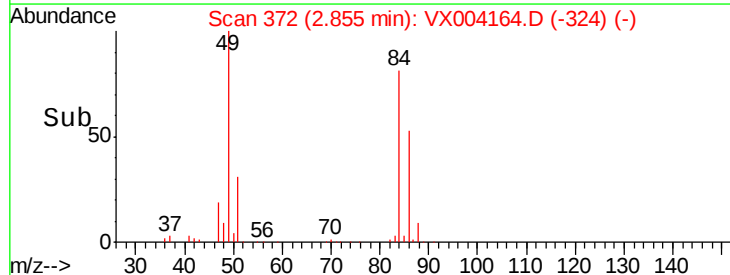
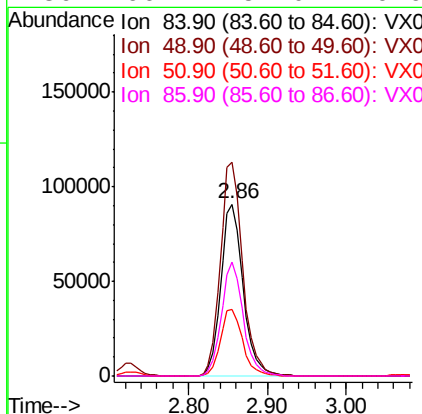
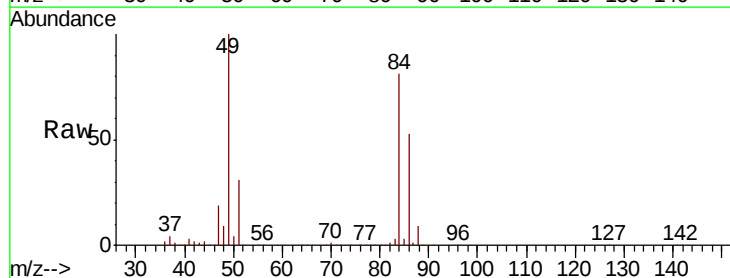
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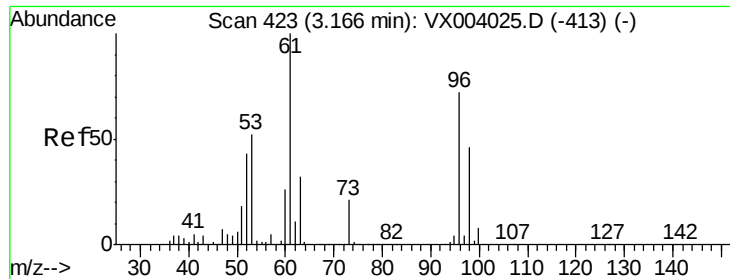


#20

Methylene Chloride
 Concen: 48.58 ug/l
 RT: 2.86 min Scan# 372
 Delta R.T. -0.01 min
 Lab File: VX004164.D
 Acq: 20 Aug 2018 20:14

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.1	98.9	148.3
51	38.6	29.9	44.9
86	66.4	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 44.92 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

Instrument :

MSVOA_X

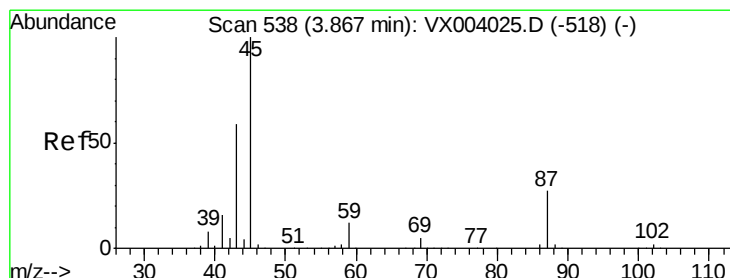
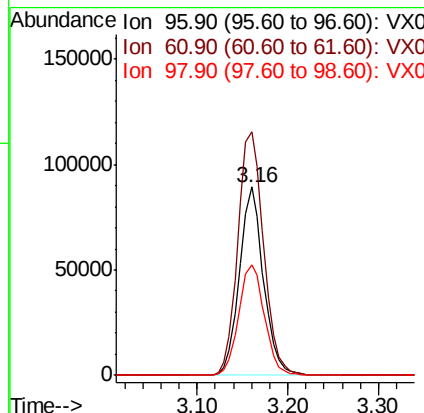
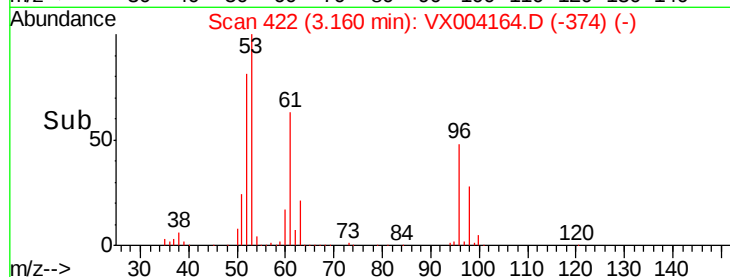
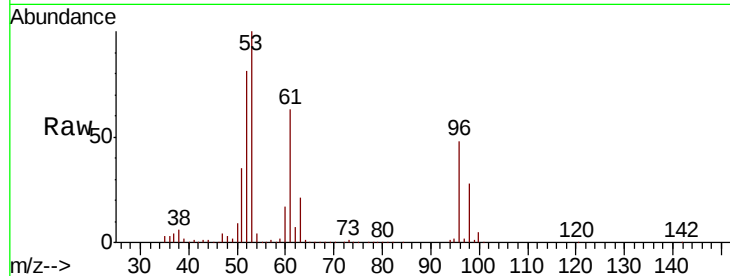
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	164290
Ion	Ratio	Lower	Upper
96	100		
61	129.3	111.8	167.6
98	58.6	51.8	77.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 46.48 ug/l

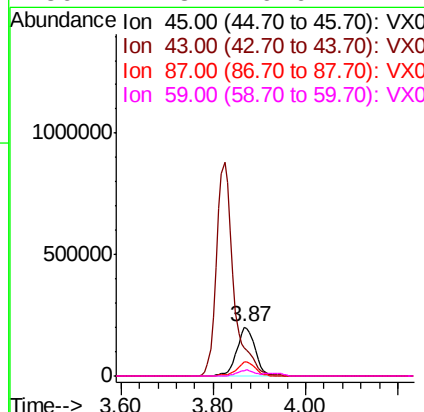
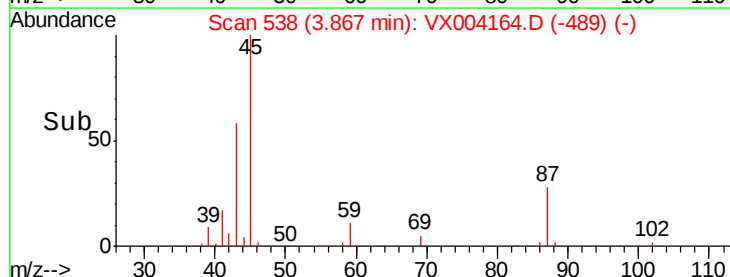
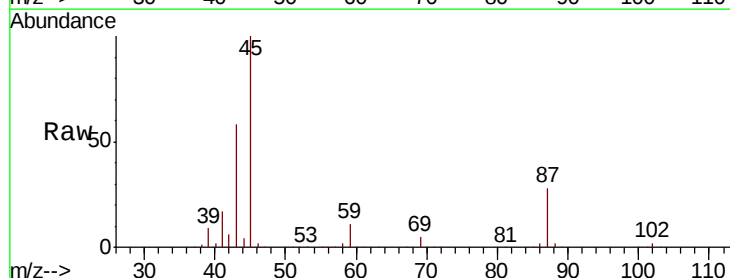
RT: 3.87 min Scan# 538

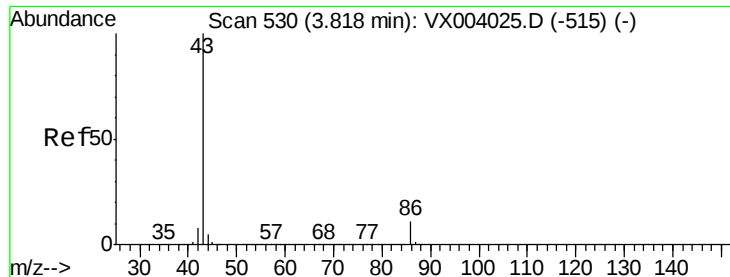
Delta R.T. -0.00 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

Tgt Ion:	45	Resp:	558099
Ion	Ratio	Lower	Upper
45	100		
43	58.4	45.3	67.9
87	28.2	22.7	34.1
59	11.3	9.6	14.4





#23

Vinyl Acetate

Concen: 230.44 ug/l

RT: 3.82 min Scan# 531

Delta R.T. 0.01 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2272787

Ion Ratio Lower Upper

43 100

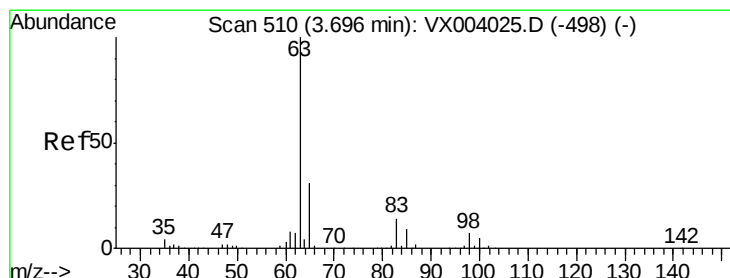
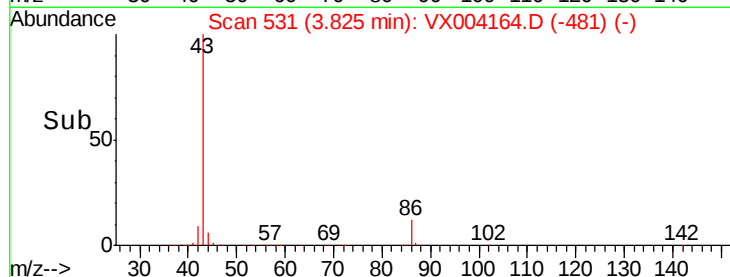
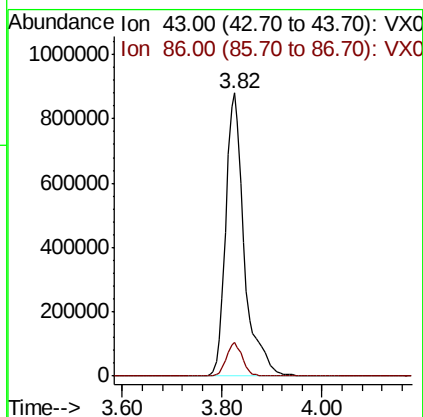
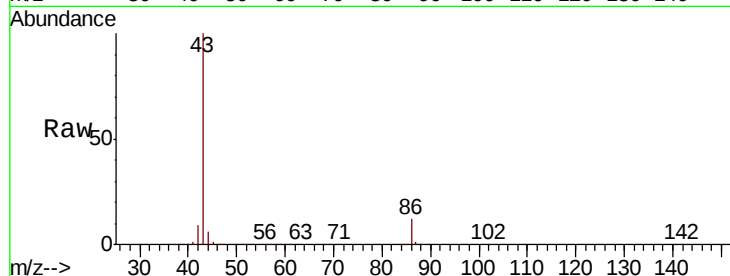
86 12.0 8.9 13.3

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#24

1,1-Dichloroethane

Concen: 45.44 ug/l

RT: 3.69 min Scan# 509

Delta R.T. -0.01 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

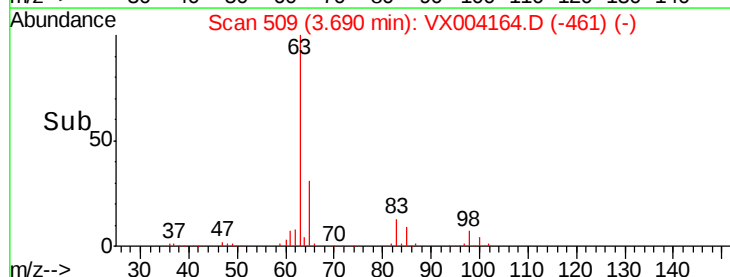
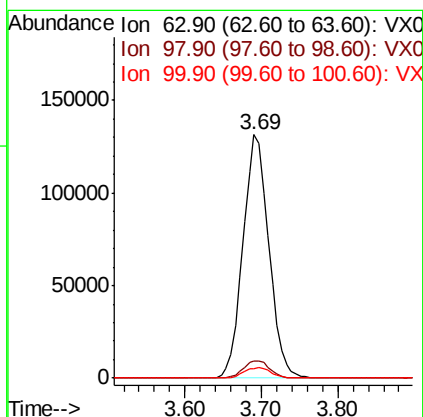
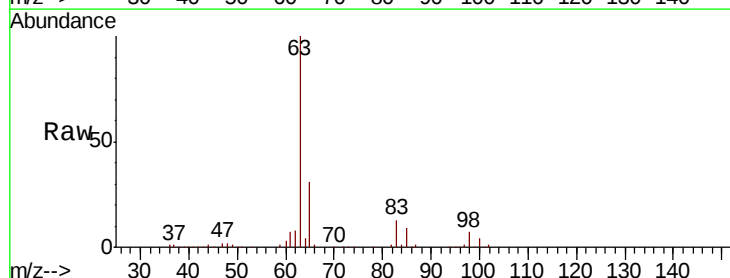
Tgt Ion: 63 Resp: 309086

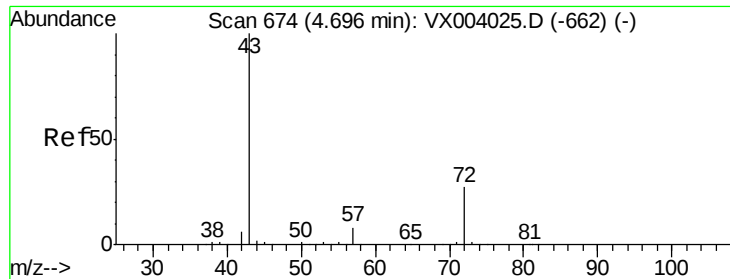
Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.5

100 4.1 2.3 6.8





#25

2-Butanone

Concen: 227.76 ug/l

RT: 4.70 min Scan# 675

Delta R.T. 0.01 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 831098

Ion Ratio Lower Upper

43 100

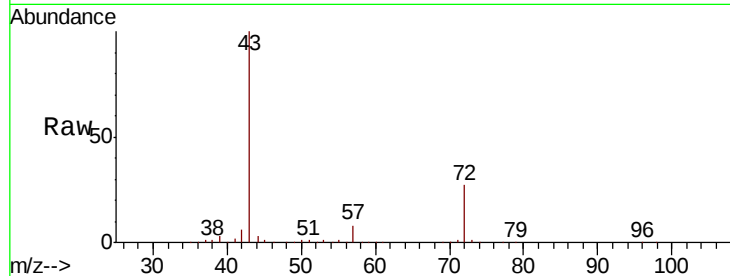
72 27.0 21.4 32.0

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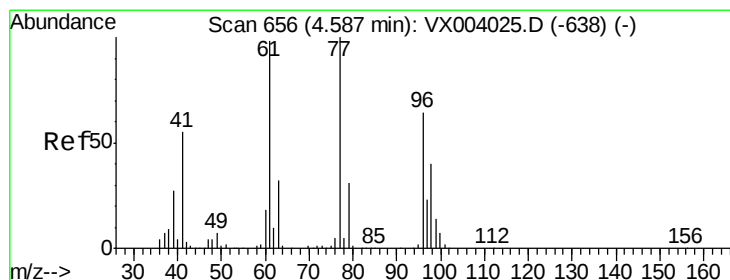
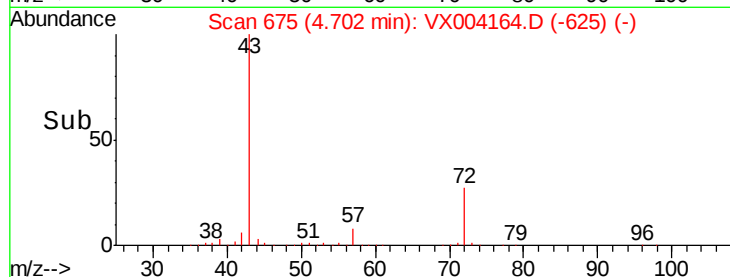
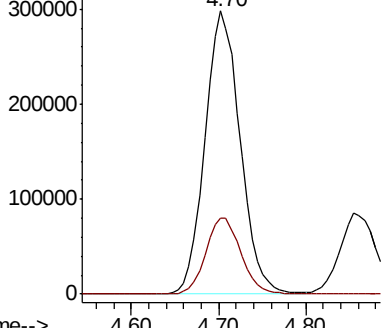
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 40.47 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX004164.D

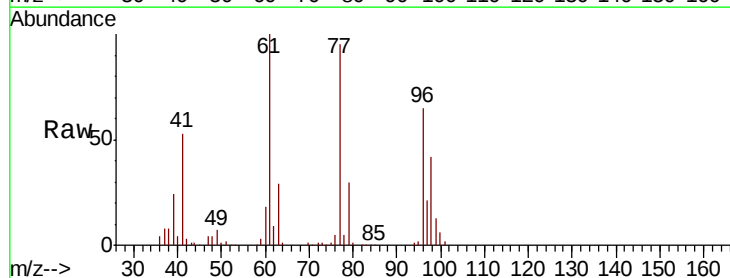
Acq: 20 Aug 2018 20:14

Tgt Ion: 77 Resp: 218835

Ion Ratio Lower Upper

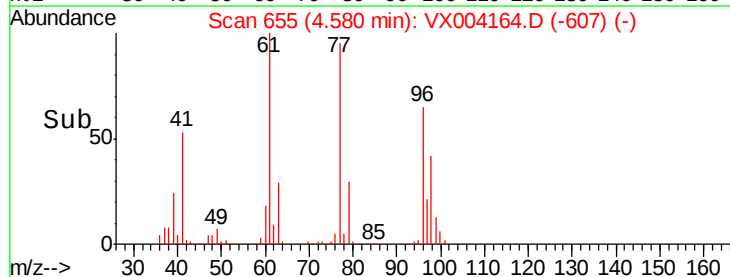
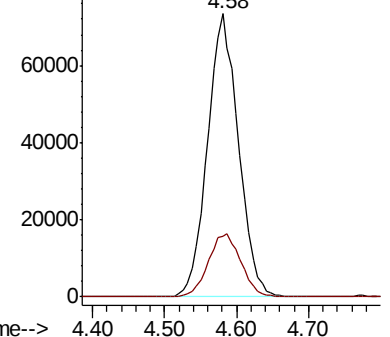
77 100

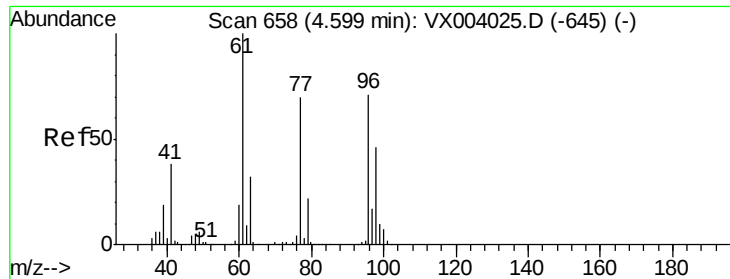
97 23.4 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 46.72 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

Instrument :

MSVOA_X

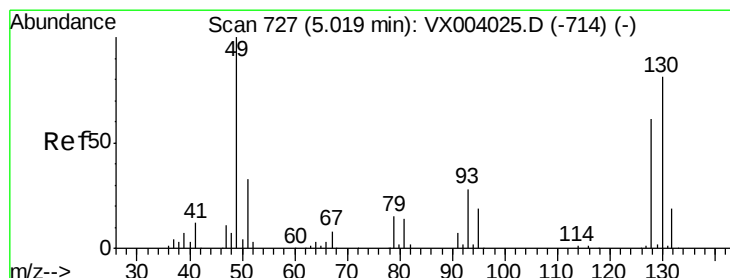
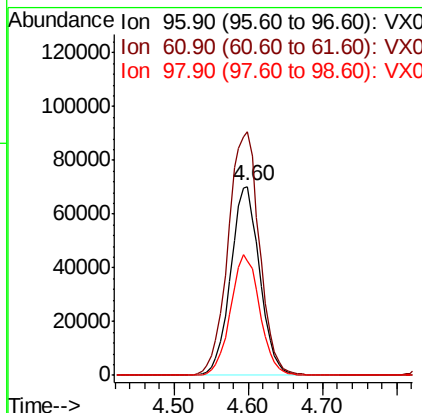
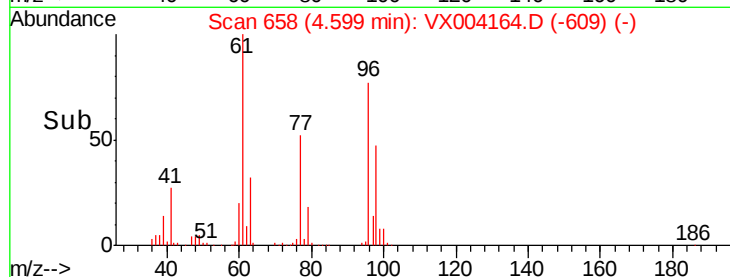
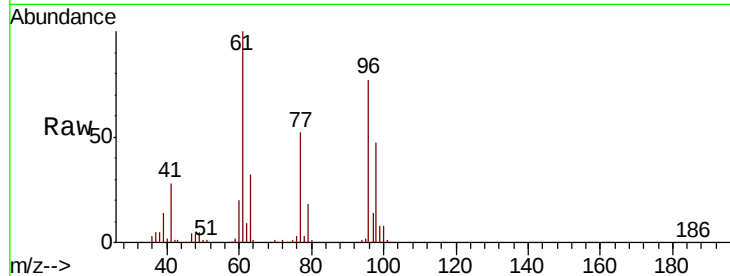
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	192165
Ion	Ratio	Lower	Upper
96	100		
61	138.9	0.0	293.0
98	64.5	0.0	131.8

Manual Integrations
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#28

Bromochloromethane

Concen: 49.06 ug/l

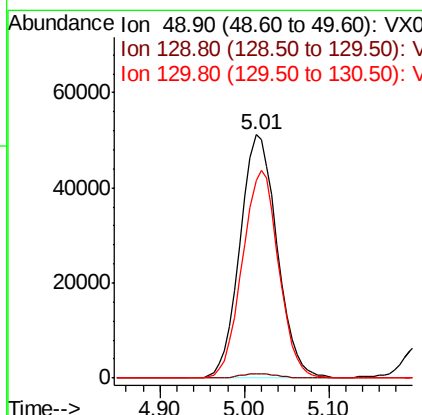
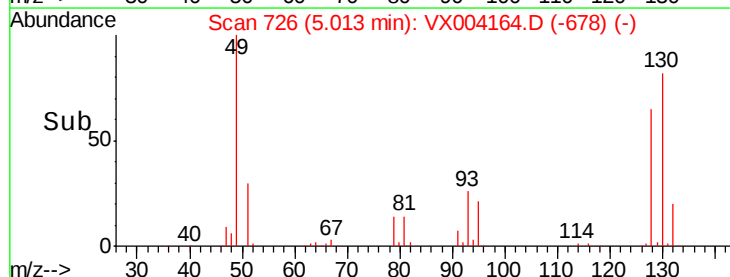
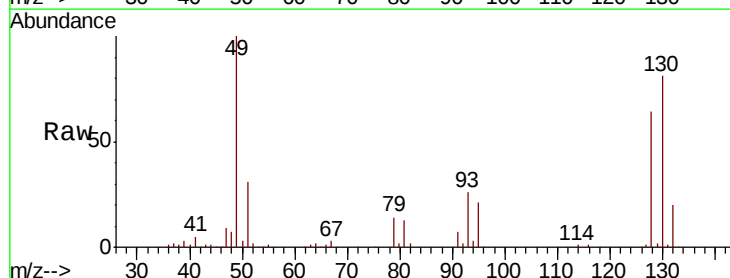
RT: 5.01 min Scan# 726

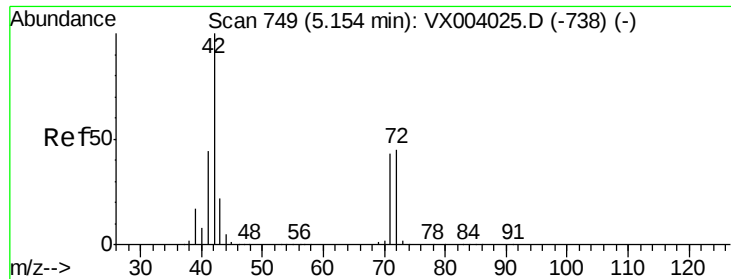
Delta R.T. -0.01 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

Tgt Ion:	49	Resp:	153091
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	83.5	66.5	99.7





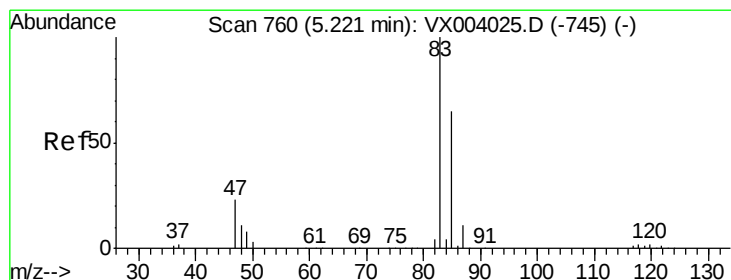
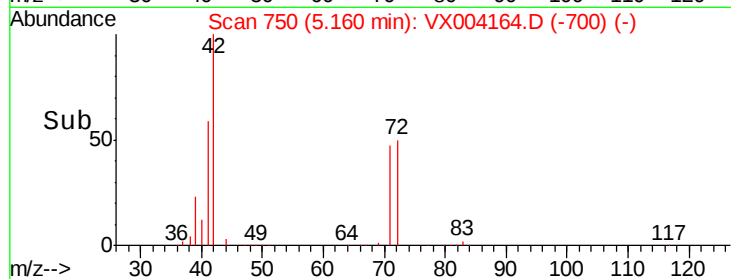
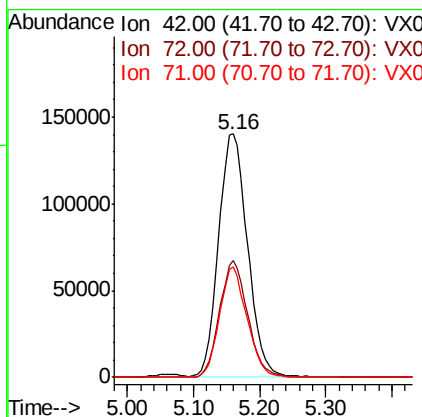
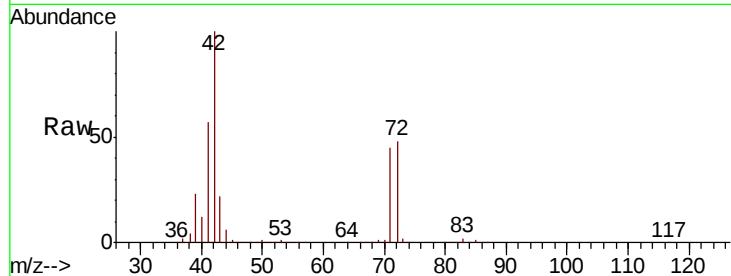
#29
Tetrahydrofuran
Concen: 227.65 ug/l
RT: 5.16 min Scan# 750
Delta R.T. 0.01 min
Lab File: VX004164.D
Acq: 20 Aug 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.8	37.7	56.5
71	43.1	35.0	52.6

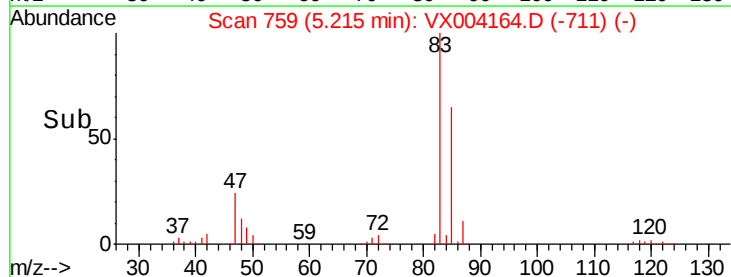
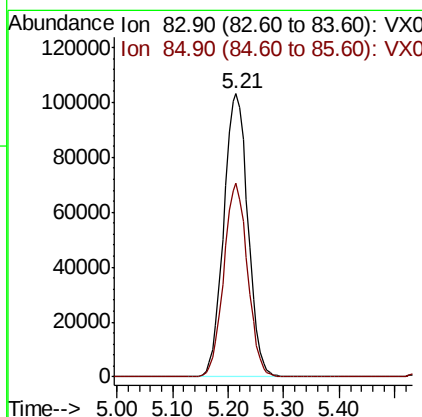
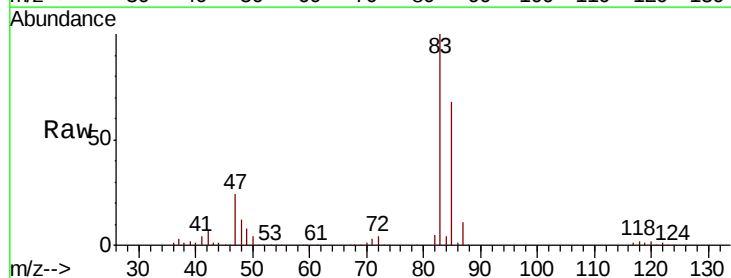
Manual Integrations
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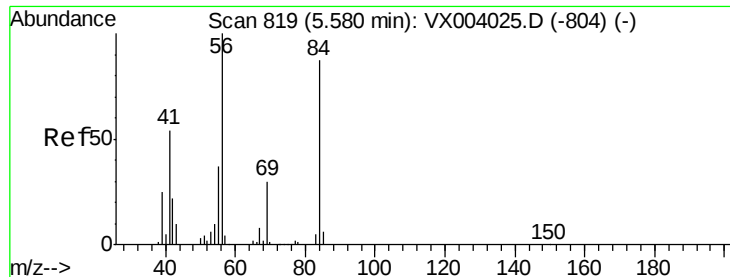
MMDadoda
8/21/2018 11:16:59 AM



#30
Chloroform
Concen: 46.68 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX004164.D
Acq: 20 Aug 2018 20:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.3	50.7	76.1





#31

Cyclohexane

Concen: 45.36 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 270452

Ion Ratio Lower Upper

56 100

69 29.8 24.9 37.3

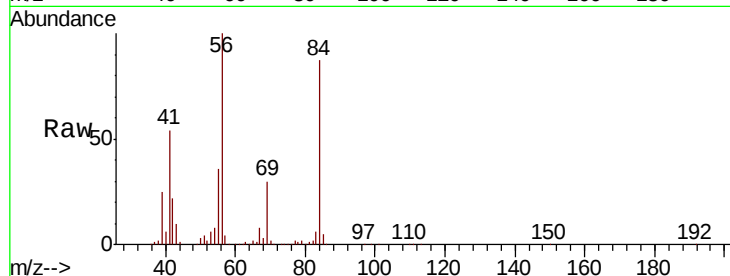
84 85.8 71.7 107.5

Manual Integrations

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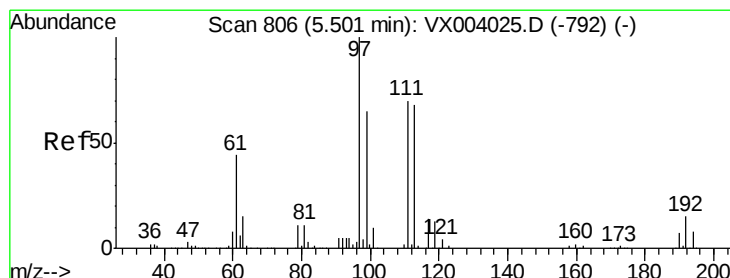
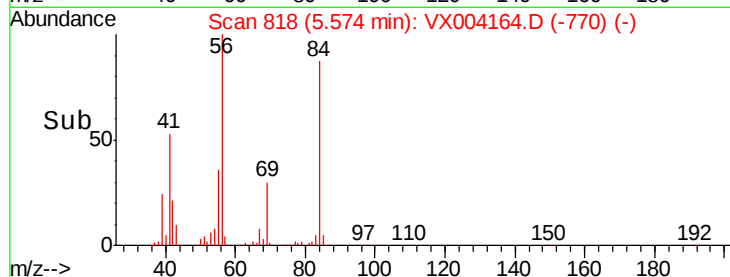
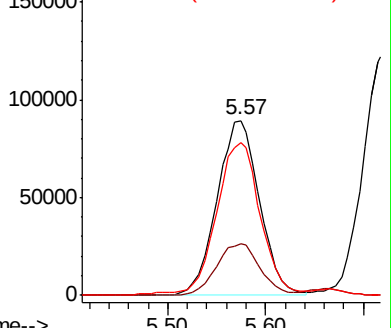
8/21/2018 11:16:59 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 47.76 ug/l

RT: 5.49 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

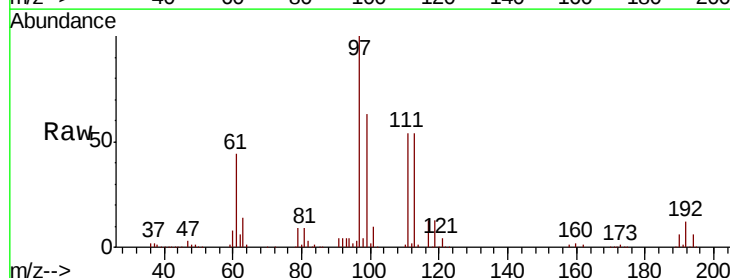
Tgt Ion: 97 Resp: 264948

Ion Ratio Lower Upper

97 100

99 65.0 51.8 77.8

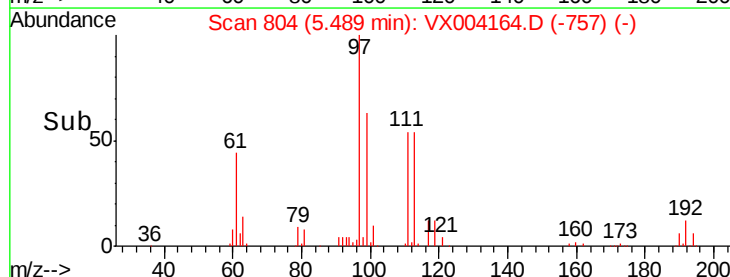
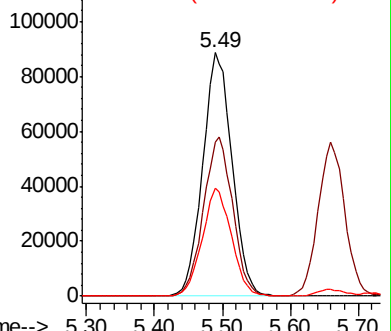
61 44.1 34.4 51.6

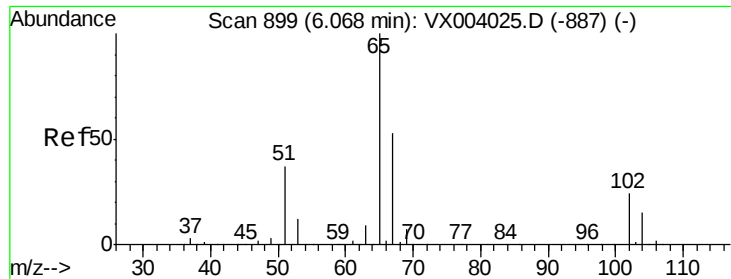


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





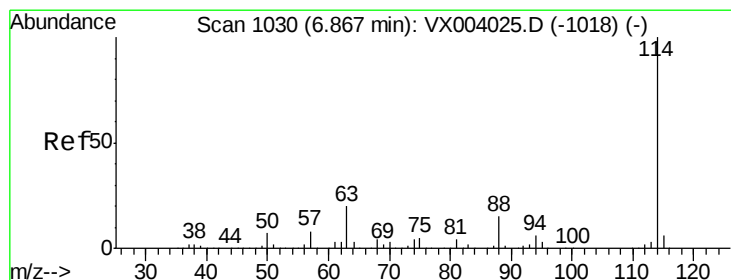
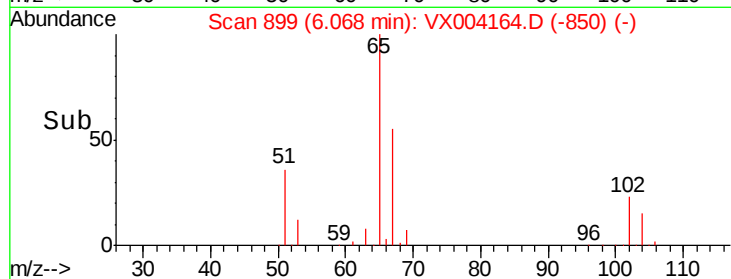
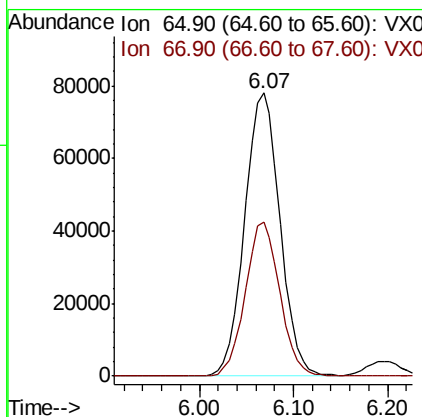
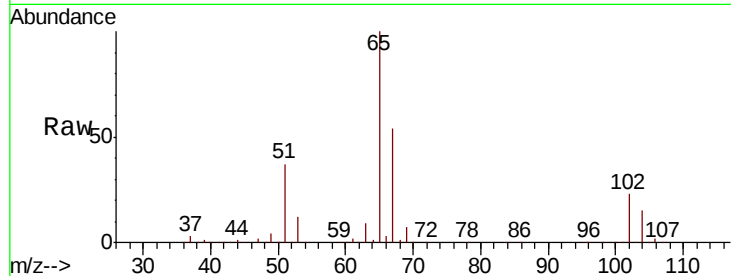
#33
 1,2-Dichloroethane-d4
 Concen: 47.55 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX004164.D
 Acq: 20 Aug 2018 20:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	205121		
67	53.1	0.0	105.8	

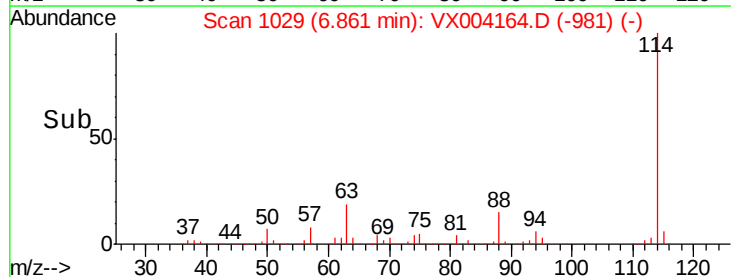
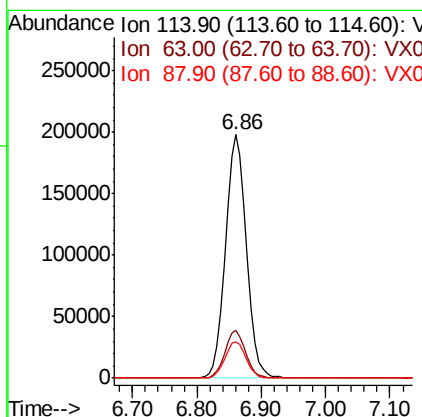
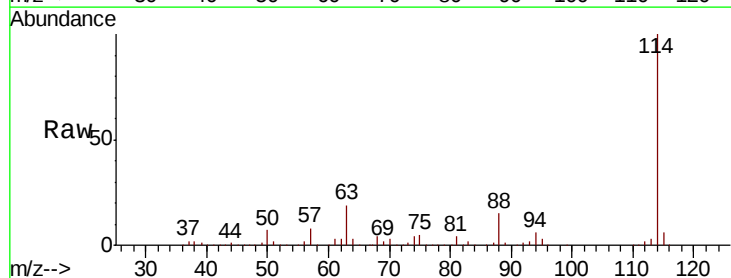
Manual Integrations
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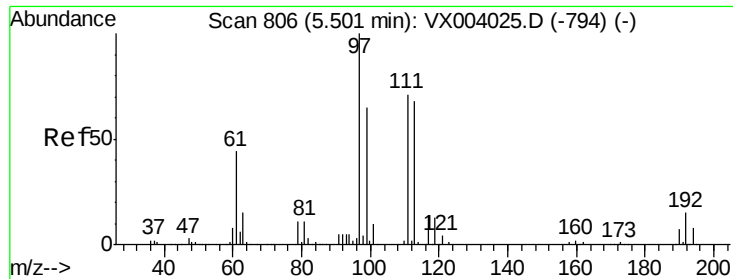
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX004164.D
 Acq: 20 Aug 2018 20:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	453349		
63	19.5	0.0	39.0	
88	15.1	0.0	32.0	





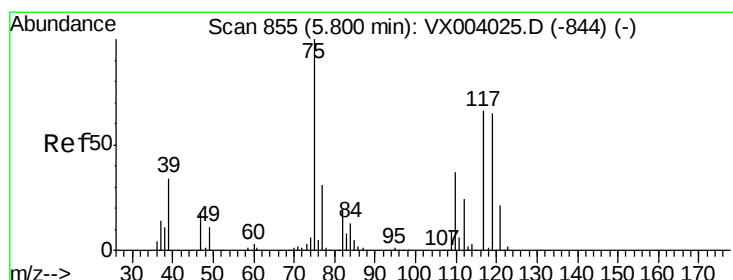
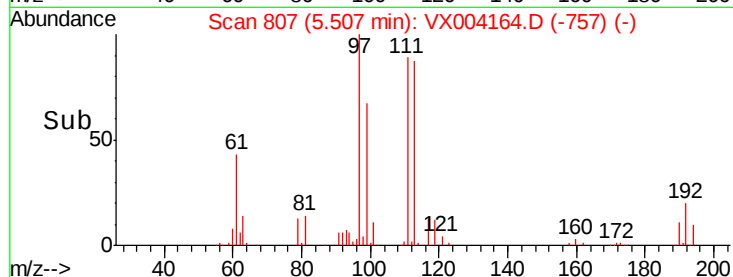
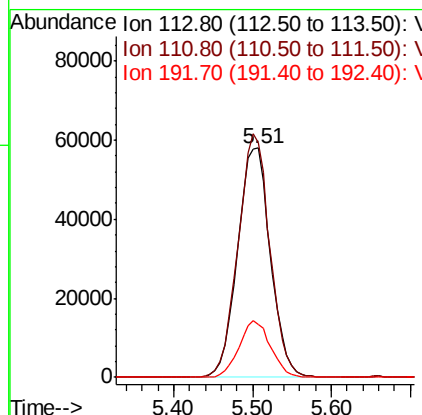
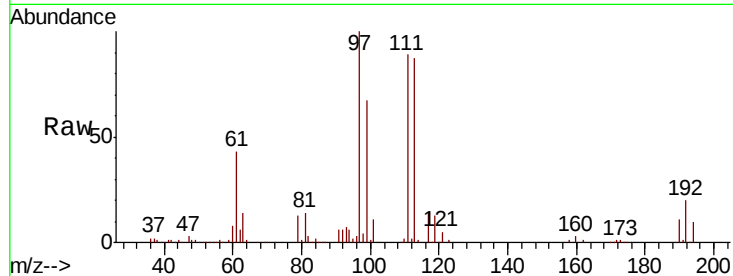
#35
 Dibromofluoromethane
 Concen: 49.54 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX004164.D
 Acq: 20 Aug 2018 20:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	168077		
111	102.6	82.0	123.0	
192	23.8	19.0	28.4	

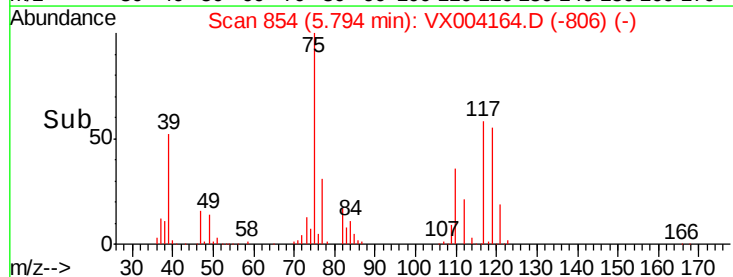
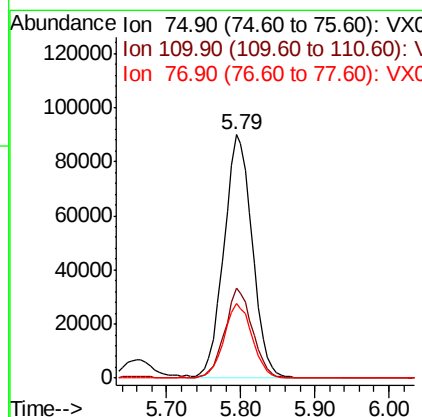
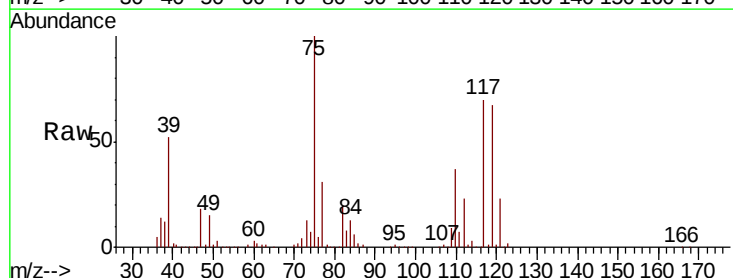
Manual Integrations
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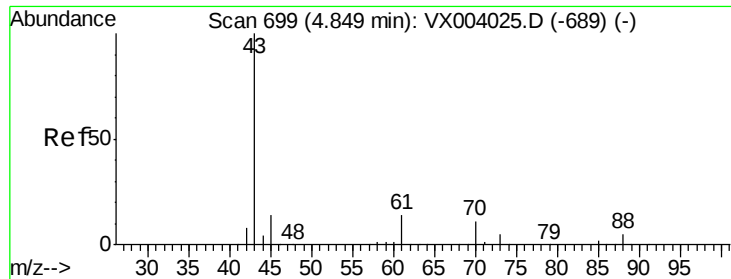
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 46.18 ug/l
 RT: 5.79 min Scan# 854
 Delta R.T. -0.01 min
 Lab File: VX004164.D
 Acq: 20 Aug 2018 20:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	238242		
110	35.9	18.2	54.6	
77	30.7	25.0	37.4	





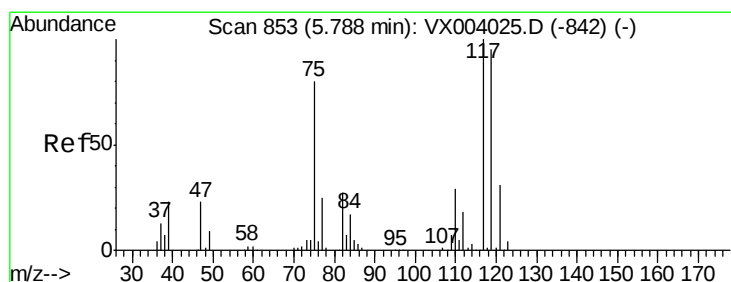
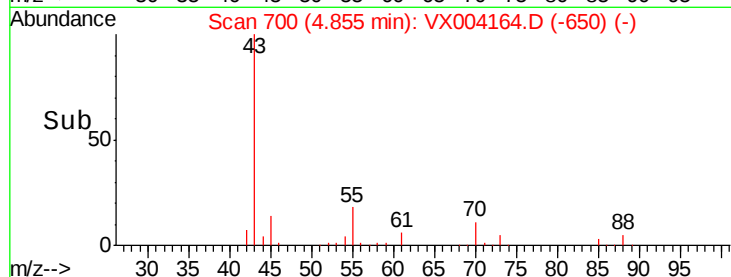
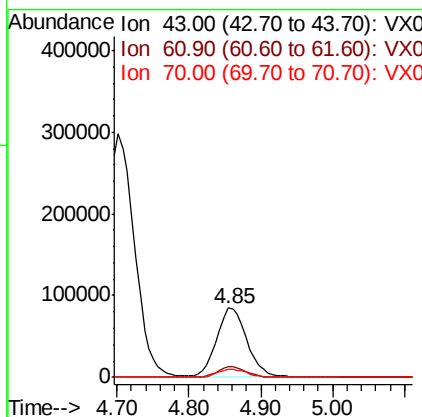
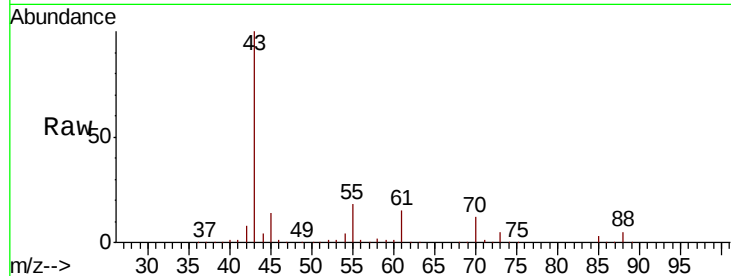
#37
Ethyl Acetate
Concen: 44.20 ug/l
RT: 4.85 min Scan# 700
Delta R.T. 0.01 min
Lab File: VX004164.D
Acq: 20 Aug 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.5	17.3
70	11.4	9.0	13.4

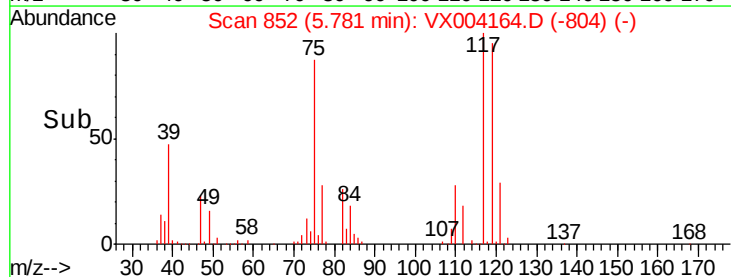
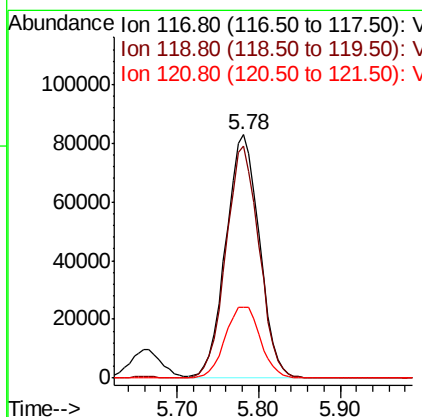
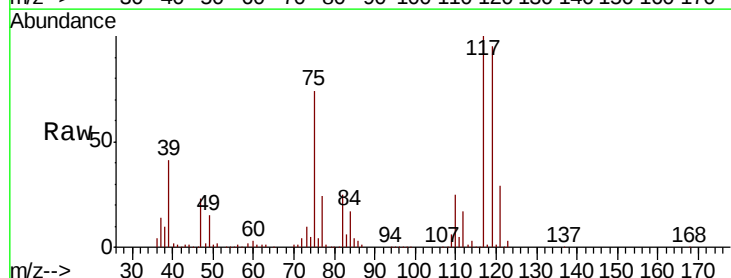
Manual Integrations
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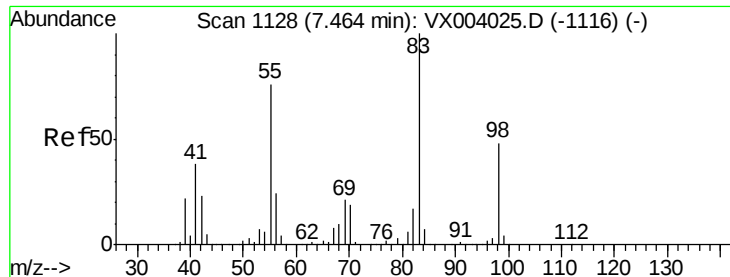
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#38
Carbon Tetrachloride
Concen: 47.13 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX004164.D
Acq: 20 Aug 2018 20:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	79.5	119.3
121	29.2	25.0	37.4





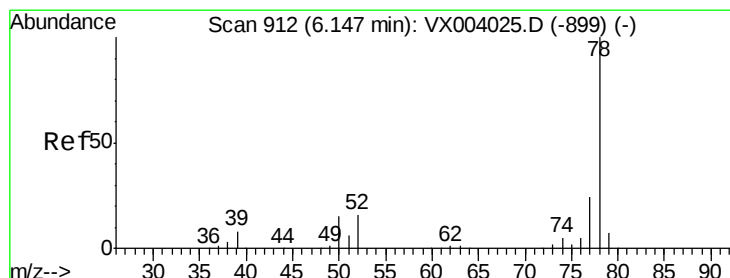
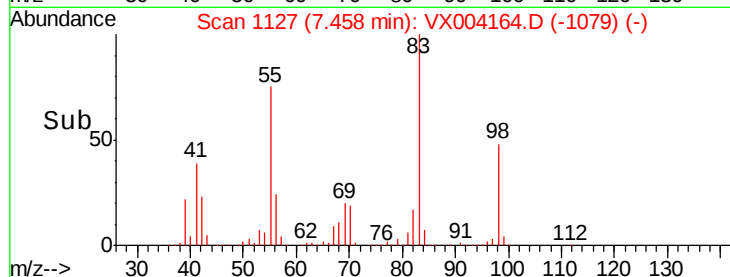
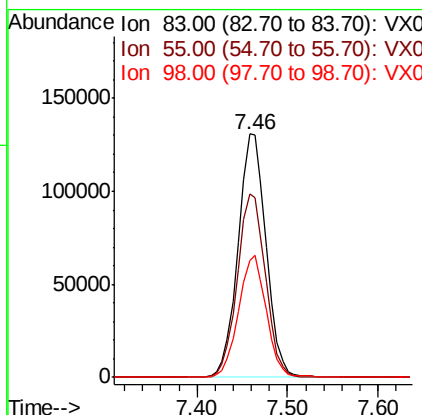
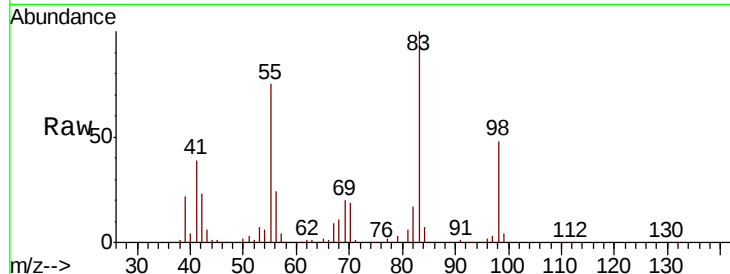
#39
Methvlcvclohexane
Concen: 47.92 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VX004164.D
Acq: 20 Aug 2018 20:14

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.1	61.0	91.6
98	48.2	38.6	57.8

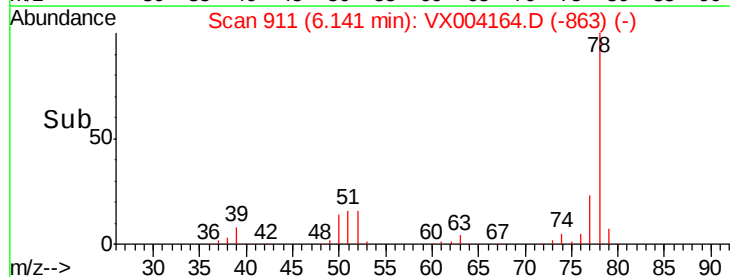
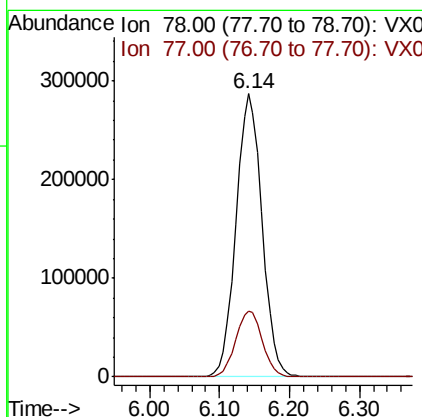
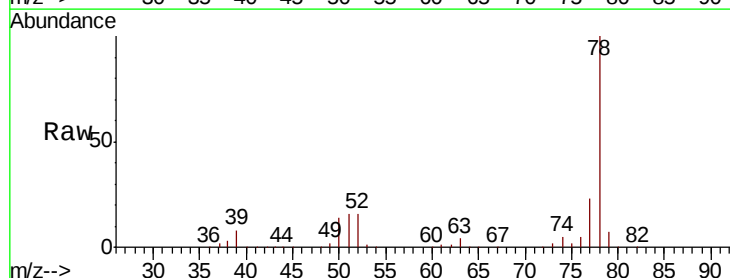
Manual Integrations
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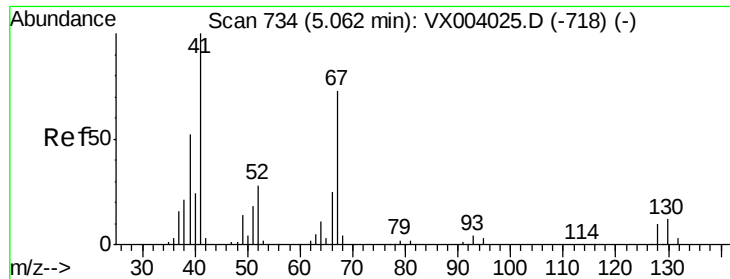
MMDadoda
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#40
Benzene
Concen: 47.81 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.01 min
Lab File: VX004164.D
Acq: 20 Aug 2018 20:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.0	28.4





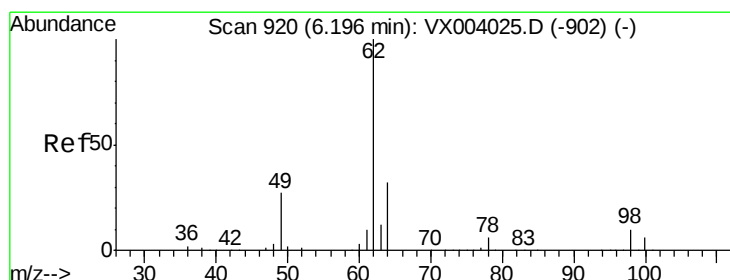
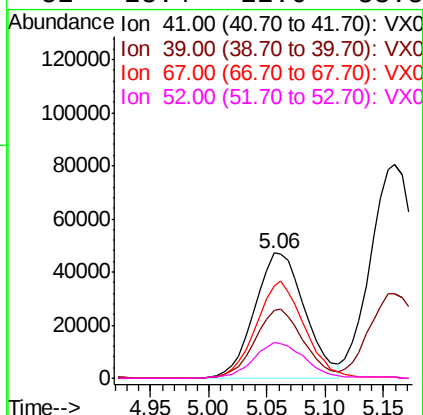
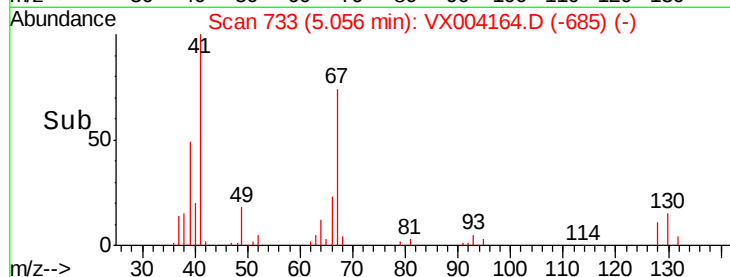
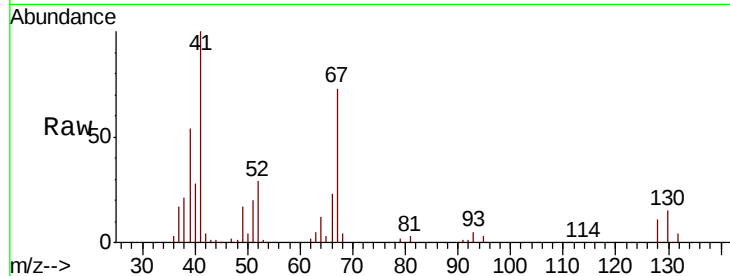
#41
Methacrylonitrile
Concen: 45.02 ug/l
RT: 5.06 min Scan# 733
Delta R.T. -0.01 min
Lab File: VX004164.D
Acq: 20 Aug 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.3	42.7	64.1	
67	74.5	58.9	88.3	
52	28.4	22.6	33.8	

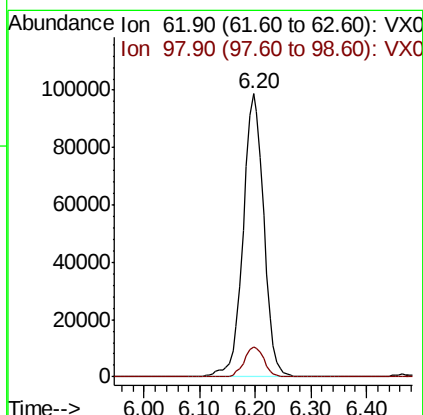
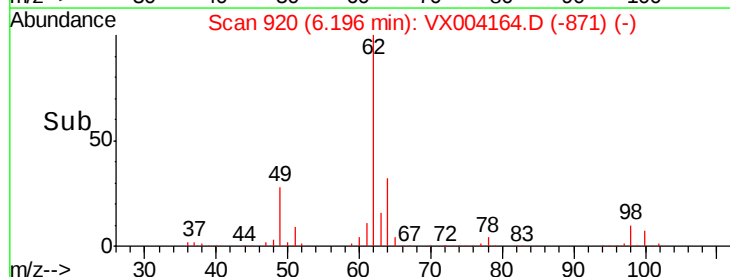
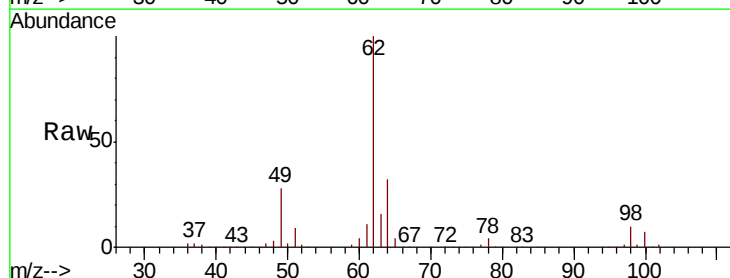
Manual Integrations
APPROVED

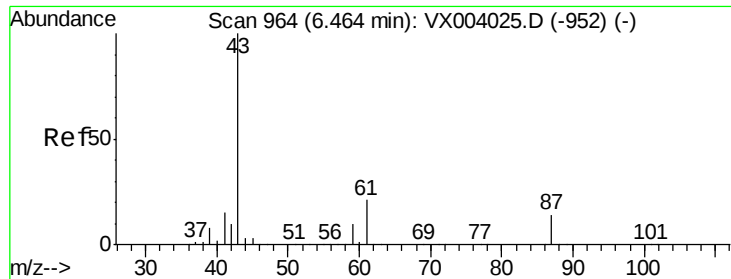
MMDadoda
8/21/2018 11:16:59 AM



#42
1,2-Dichloroethane
Concen: 46.98 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.00 min
Lab File: VX004164.D
Acq: 20 Aug 2018 20:14

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.2	0.0	20.4	





#43

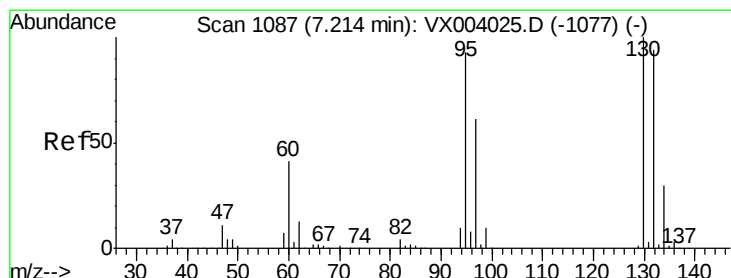
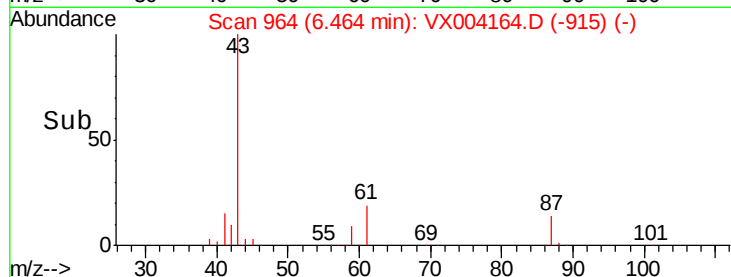
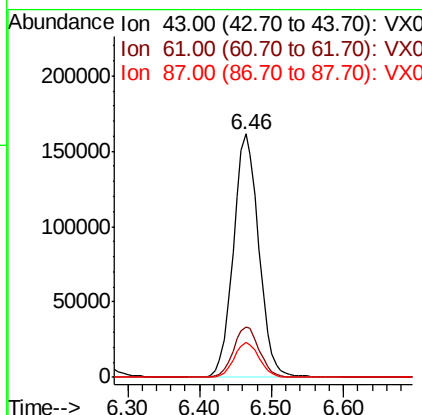
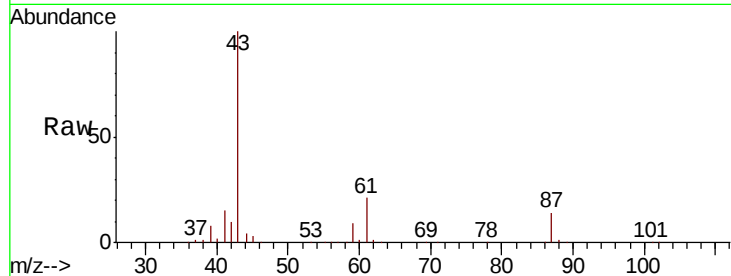
Isopropyl Acetate
 Concen: 47.63 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VX004164.D
 Acq: 20 Aug 2018 20:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.2	16.9	25.3
87	14.4	11.3	16.9

Manual Integrations
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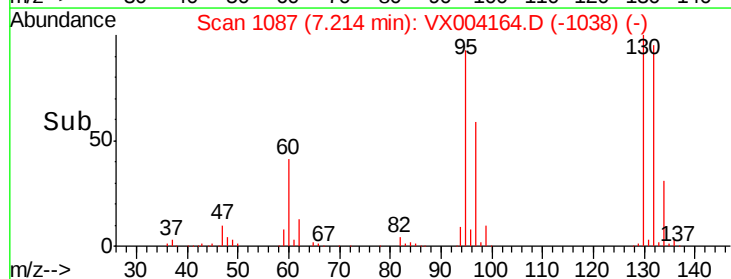
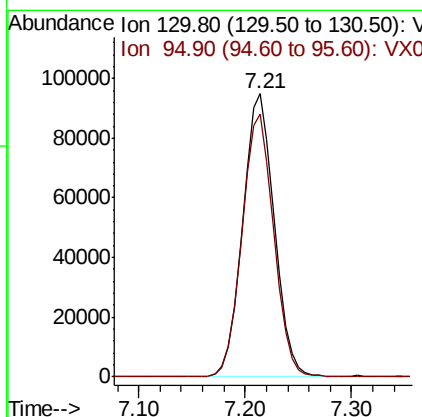
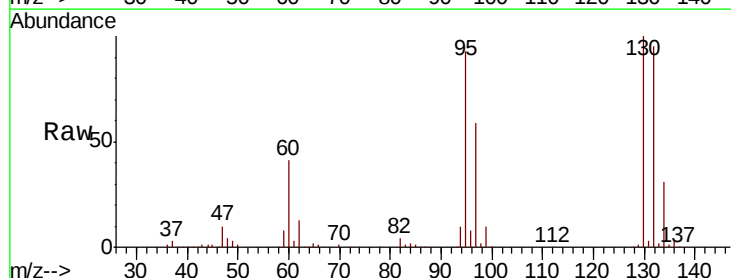
MMDadoda
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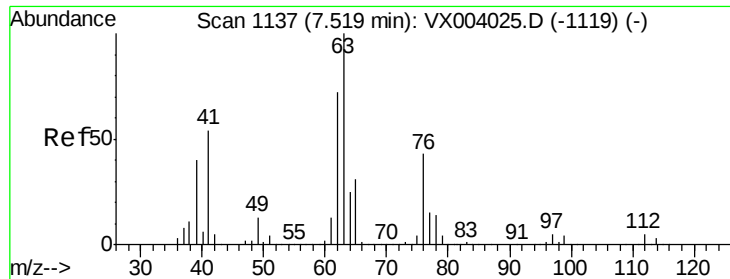


#44

Trichloroethene
 Concen: 47.01 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX004164.D
 Acq: 20 Aug 2018 20:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.8	0.0	199.4





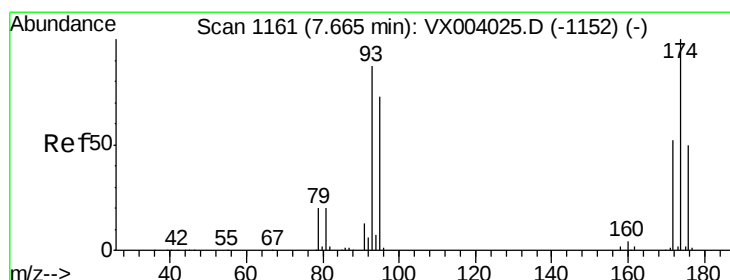
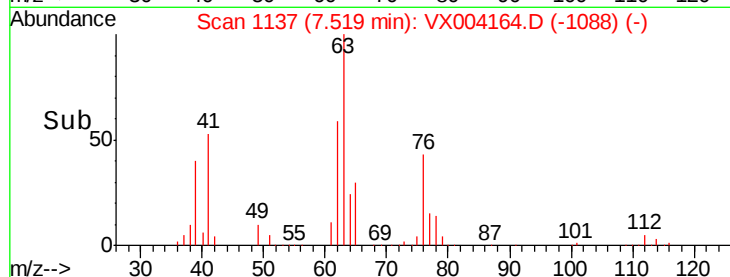
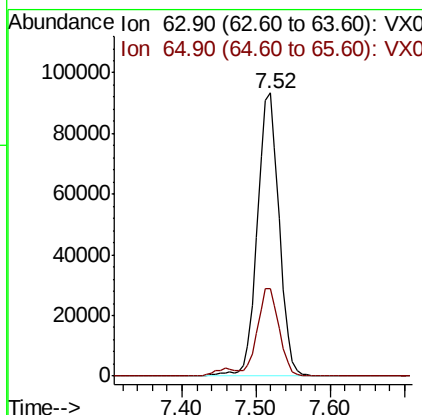
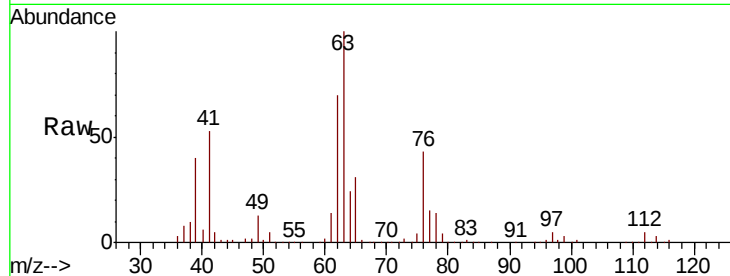
#45
 1,2-Dichloropropane
 Concen: 48.38 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX004164.D
 Acq: 20 Aug 2018 20:14

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	24.6	36.8

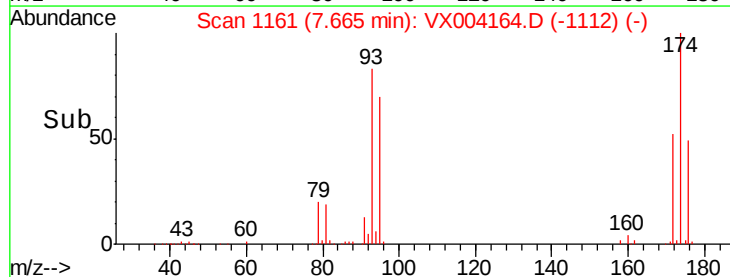
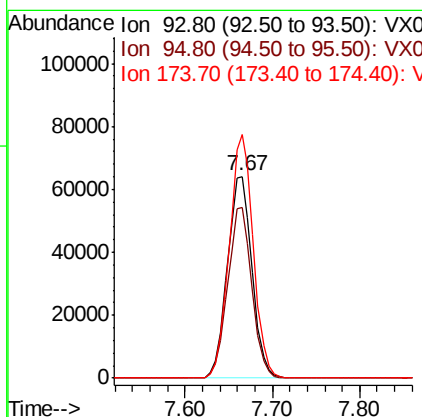
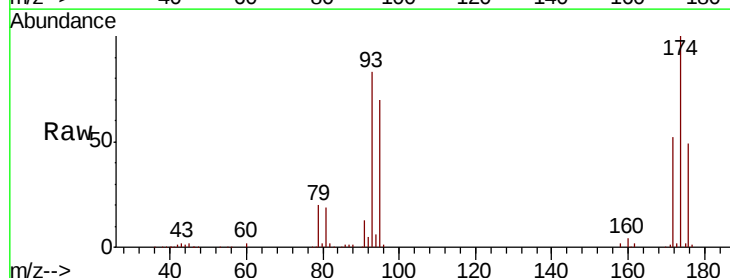
Manual Integrations
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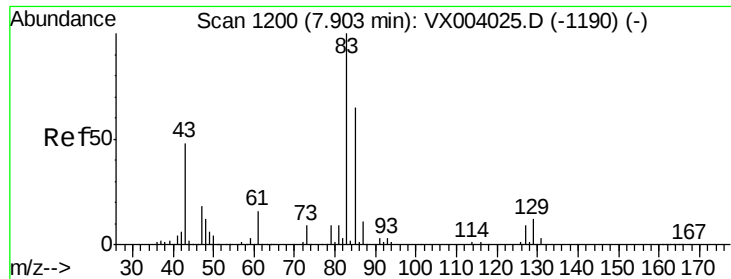
MMDadoda
 8/21/2018 11:16:59 AM



#46
 Dibromomethane
 Concen: 48.29 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX004164.D
 Acq: 20 Aug 2018 20:14

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.1	66.4	99.6
174	117.9	94.3	141.5





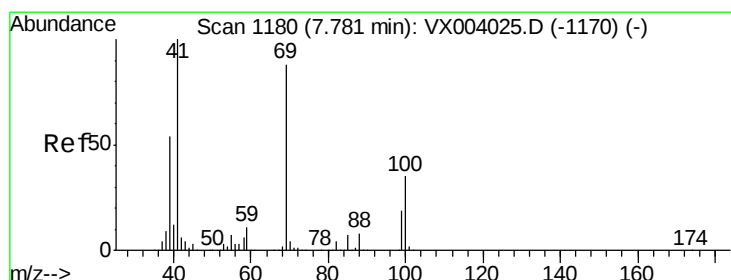
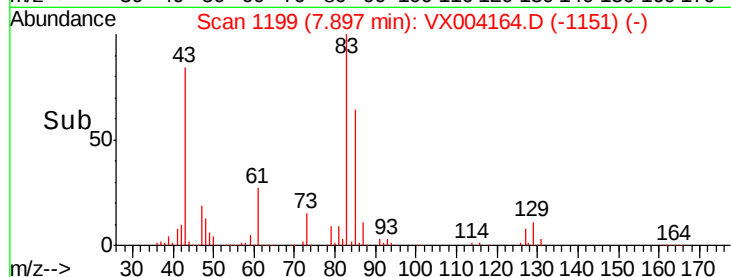
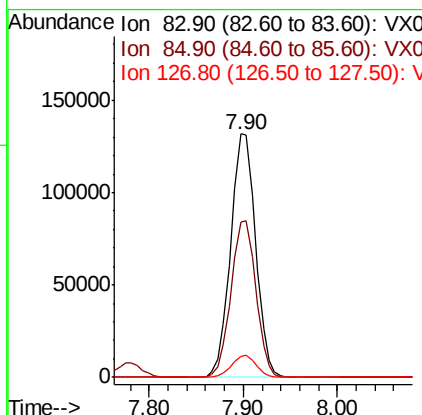
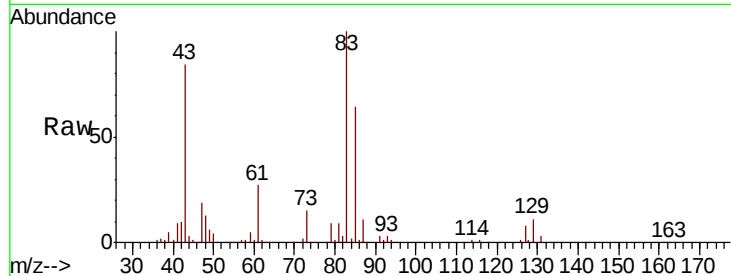
#47
 Bromodichloromethane
 Concen: 49.43 ug/l
 RT: 7.90 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: VX004164.D
 Acq: 20 Aug 2018 20:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	242601		
85	63.7		51.2	76.8
127	8.4		7.2	10.8

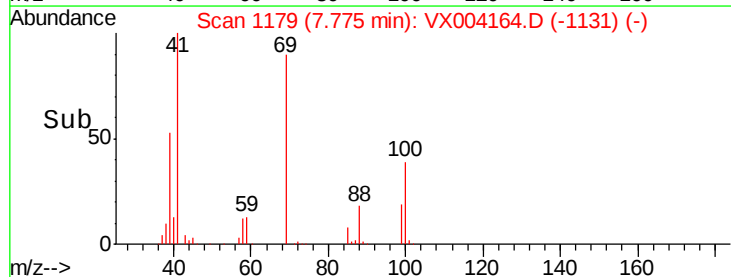
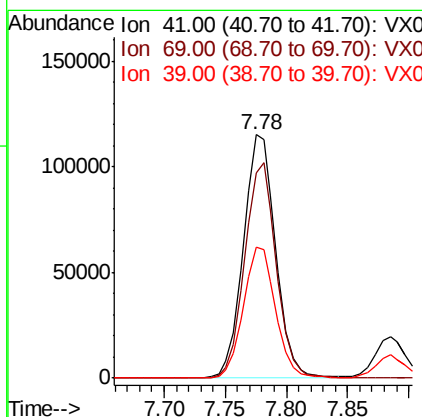
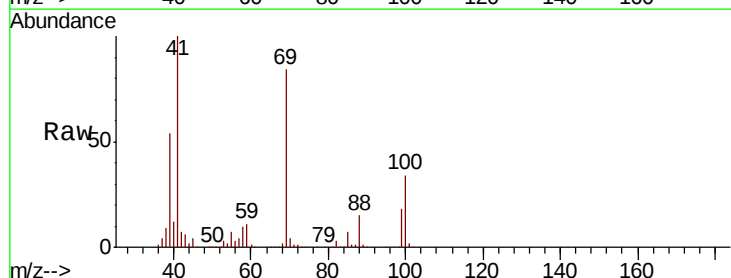
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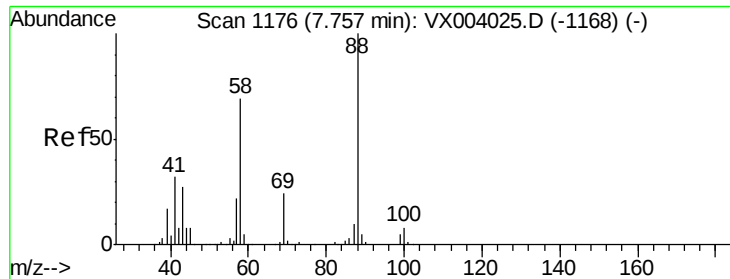
MMDadoda
 8/21/2018 11:16:59 AM



#48
 Methyl methacrylate
 Concen: 50.37 ug/l
 RT: 7.78 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: VX004164.D
 Acq: 20 Aug 2018 20:14

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	209947		
69	87.4		68.8	103.2
39	53.9		42.3	63.5





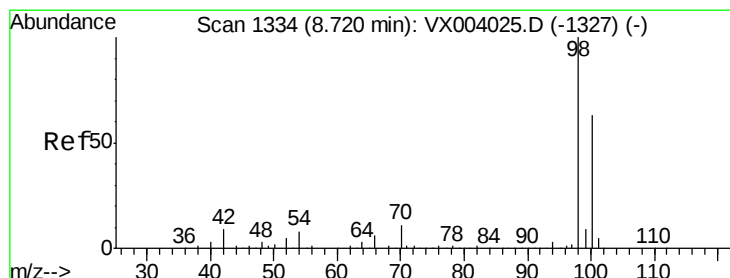
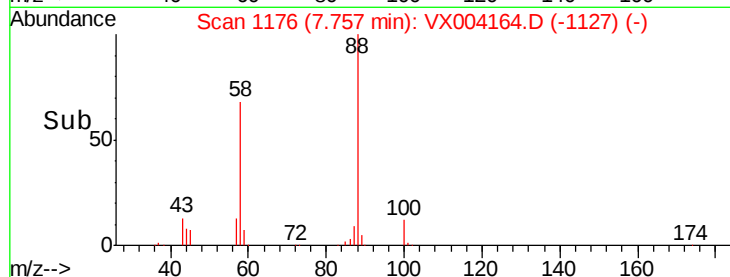
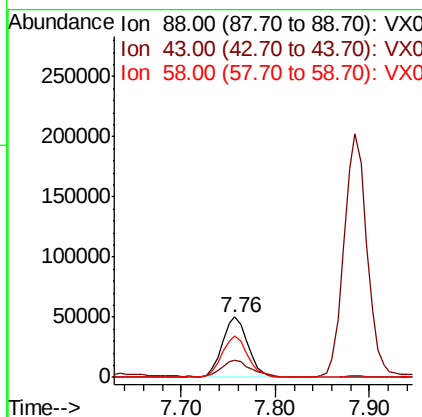
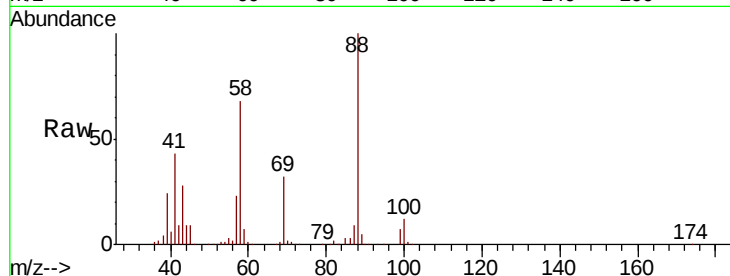
#49
1,4-Dioxane
Concen: 1013.79 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX004164.D
Acq: 20 Aug 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.1	23.8	35.8
58	69.4	55.4	83.0

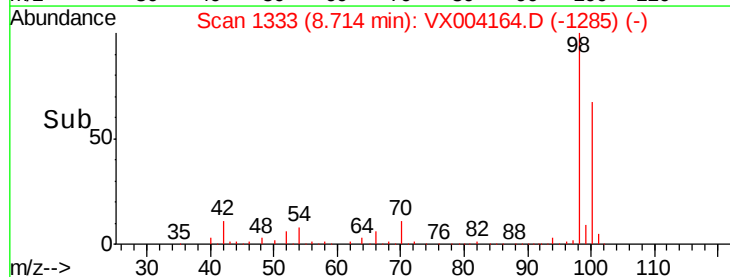
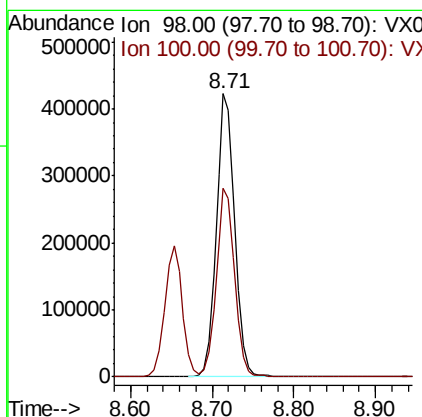
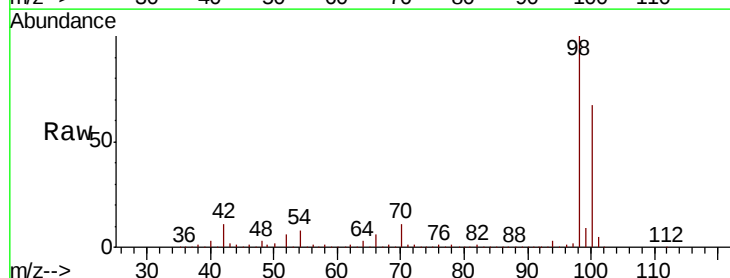
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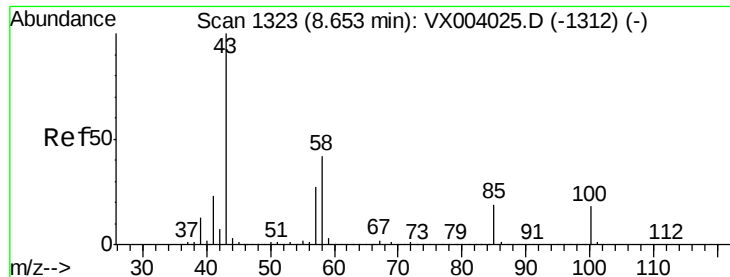
MMDadoda
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#50
Toluene-d8
Concen: 48.41 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.01 min
Lab File: VX004164.D
Acq: 20 Aug 2018 20:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.3	79.9





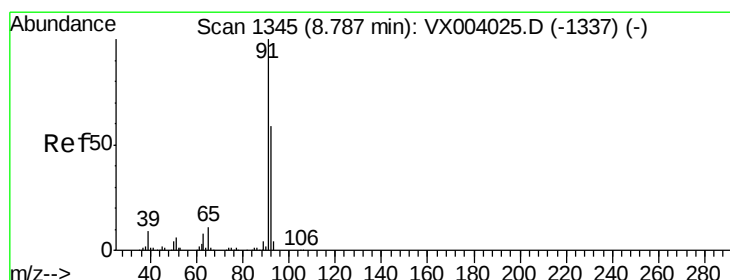
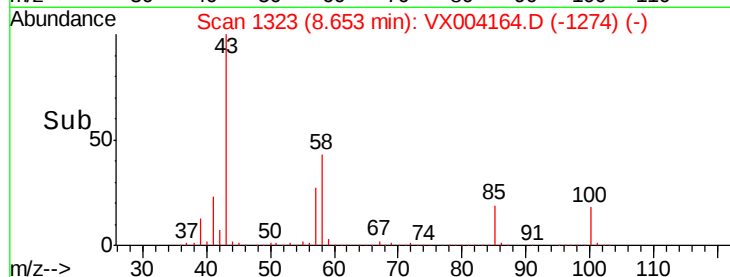
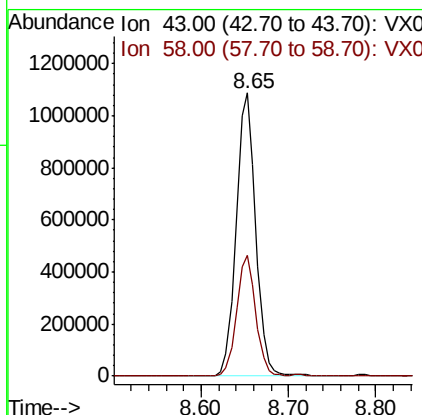
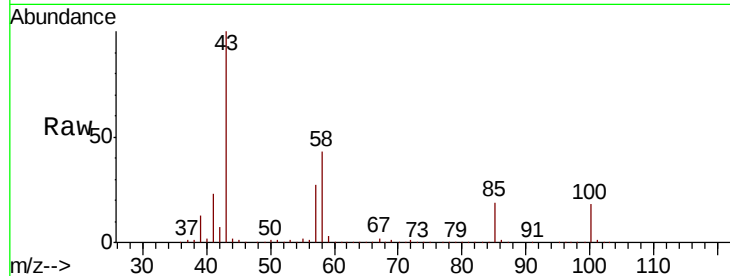
#51
4-Methyl-2-Pentanone
Concen: 250.29 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. 0.00 min
Lab File: VX004164.D
Acq: 20 Aug 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1699364
Ion Ratio Lower Upper
43 100
58 41.7 33.0 49.6

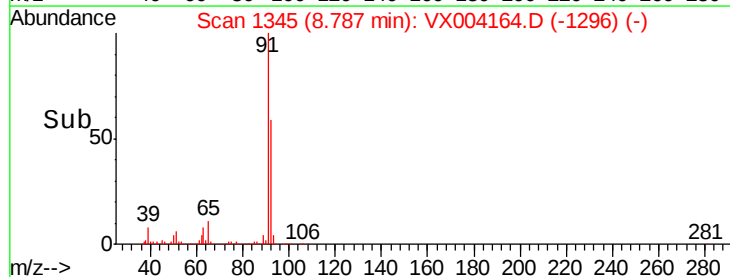
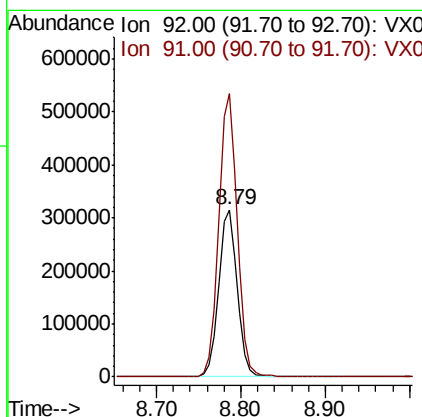
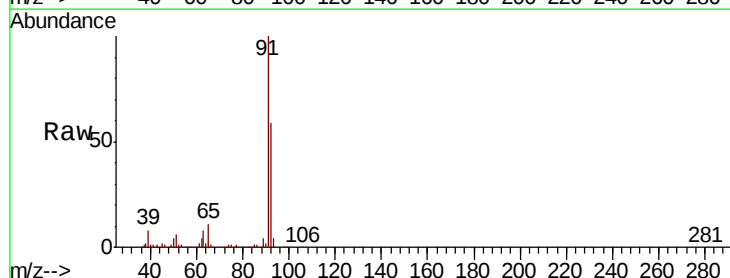
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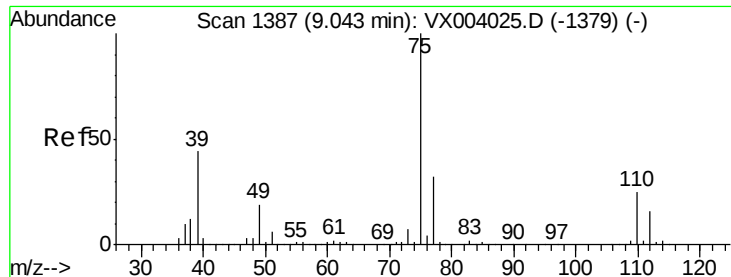
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#52
Toluene
Concen: 48.93 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX004164.D
Acq: 20 Aug 2018 20:14

Tgt Ion: 92 Resp: 479404
Ion Ratio Lower Upper
92 100
91 169.6 136.1 204.1





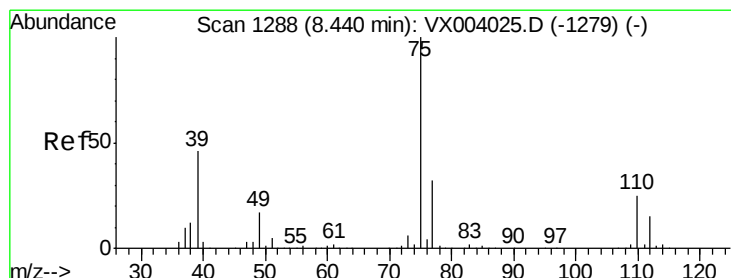
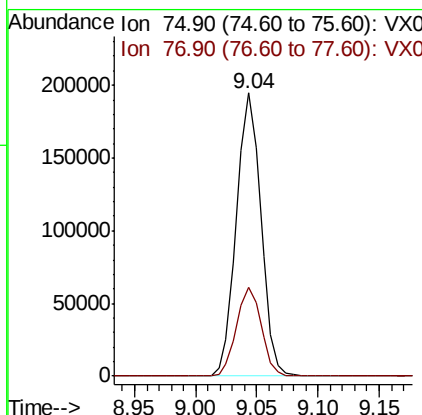
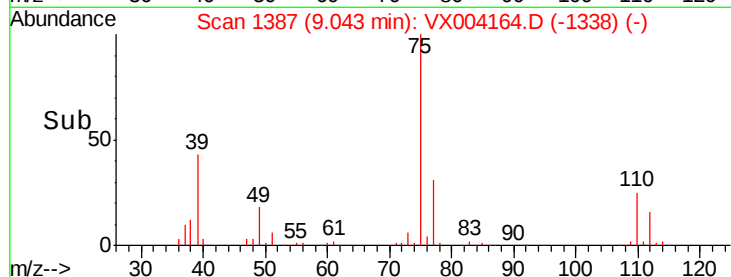
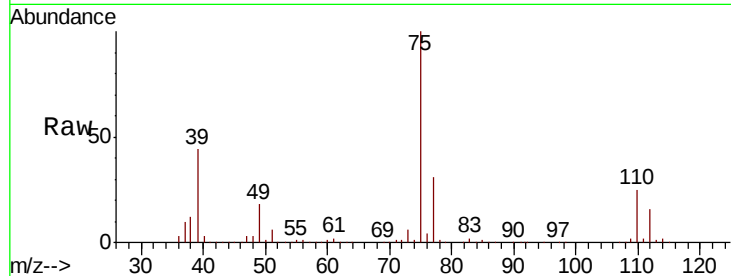
#53
t-1,3-Dichloropropene
Concen: 51.00 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VX004164.D
Acq: 20 Aug 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 270439
Ion Ratio Lower Upper
75 100
77 31.4 25.1 37.7

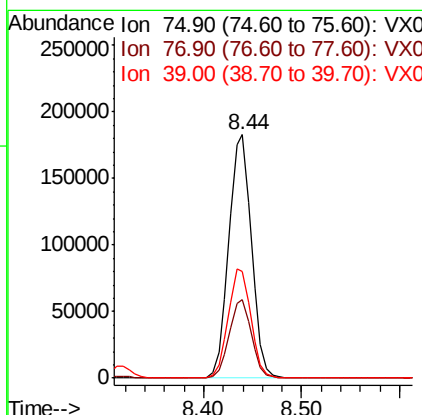
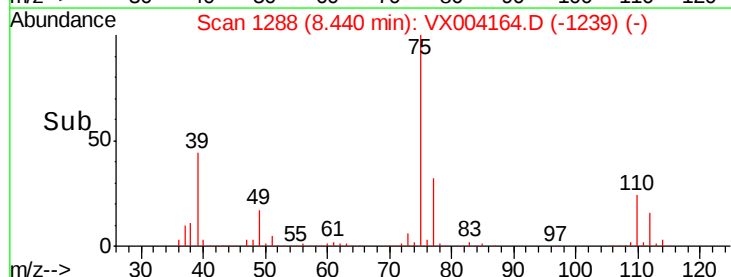
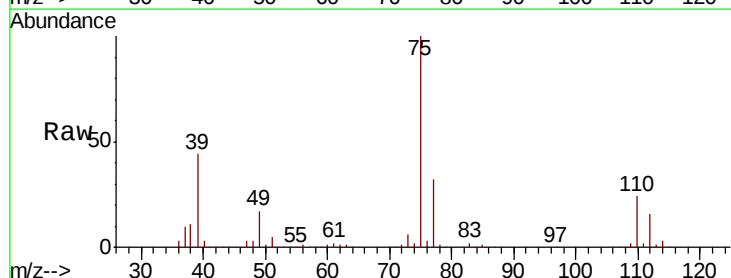
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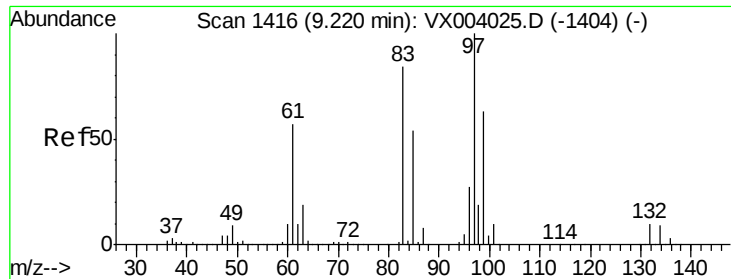
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#54
cis-1,3-Dichloropropene
Concen: 50.03 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX004164.D
Acq: 20 Aug 2018 20:14

Tgt Ion: 75 Resp: 293751
Ion Ratio Lower Upper
75 100
77 32.1 25.3 37.9
39 43.8 36.2 54.2





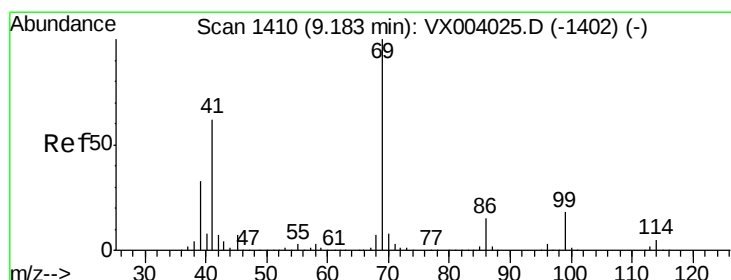
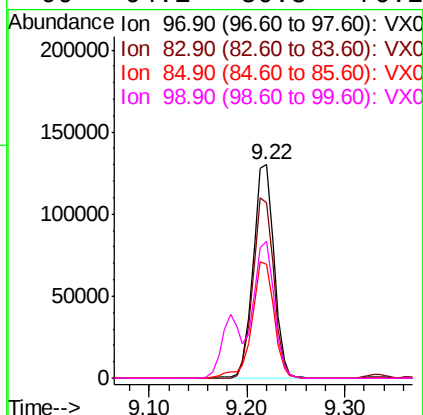
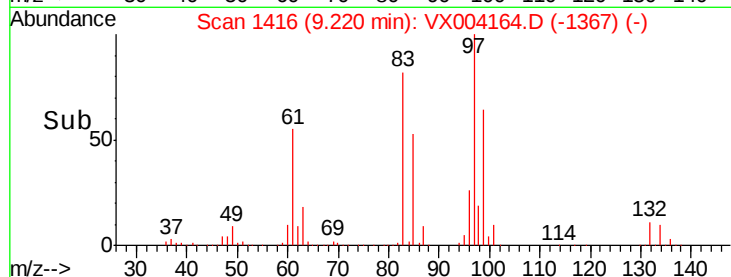
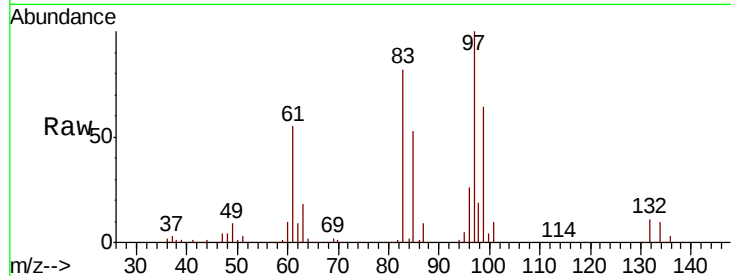
#55
 1,1,2-Trichloroethane
 Concen: 48.05 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX004164.D
 Acq: 20 Aug 2018 20:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		194401		
83	82.3	67.8	101.6		
85	53.1	44.2	66.2		
99	64.1	50.8	76.2		

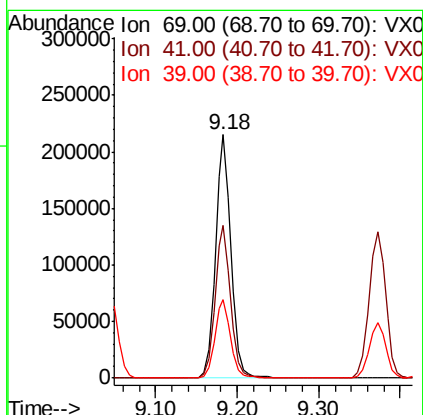
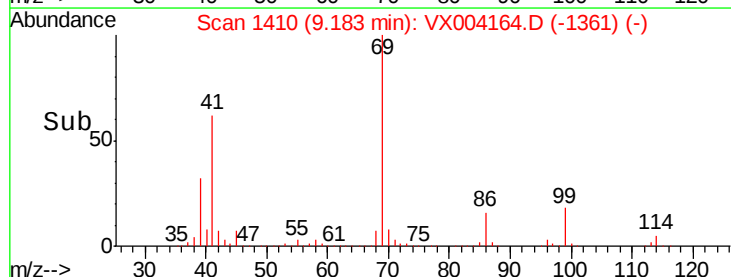
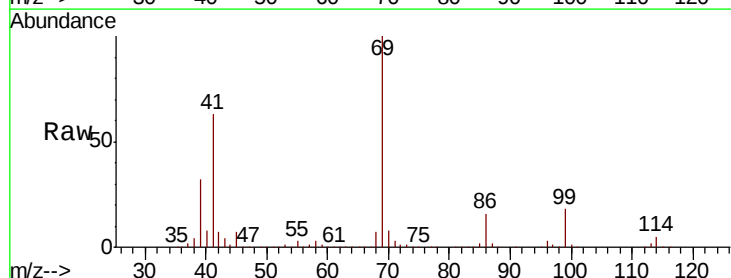
Manual Integrations
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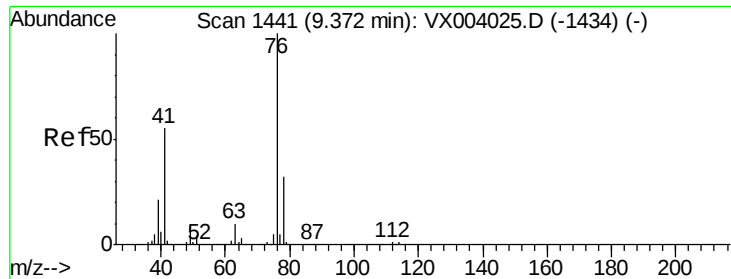
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#56
 Ethyl methacrylate
 Concen: 52.49 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX004164.D
 Acq: 20 Aug 2018 20:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		288769		
41	62.6	50.6	76.0		
39	32.5	25.8	38.6		





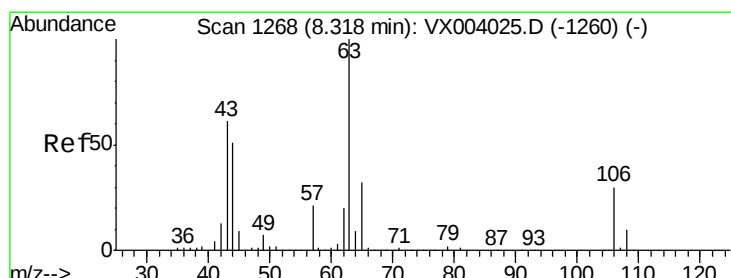
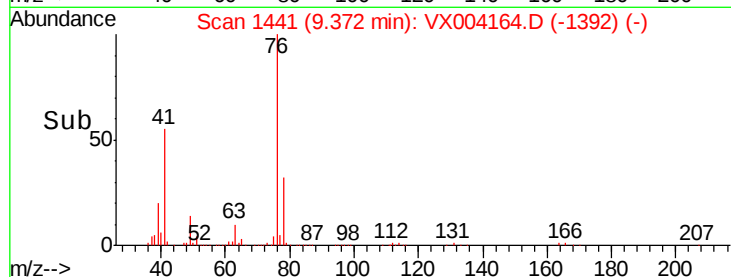
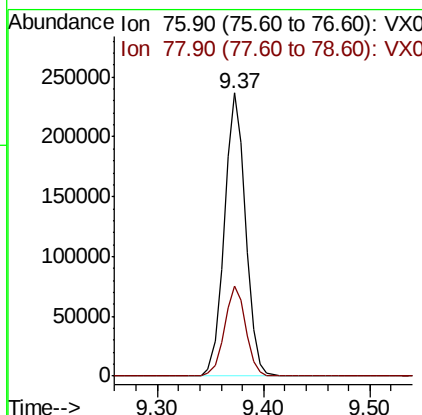
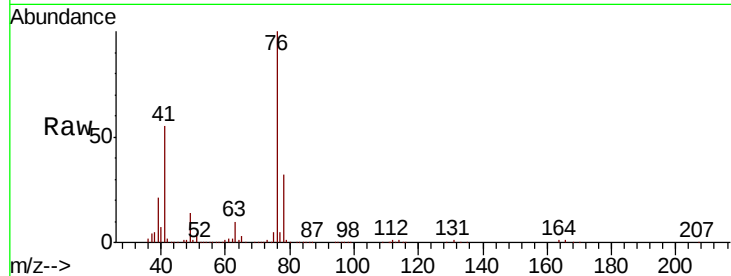
#57
 1,3-Dichloropropane
 Concen: 49.02 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VX004164.D
 Acq: 20 Aug 2018 20:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.9	38.9

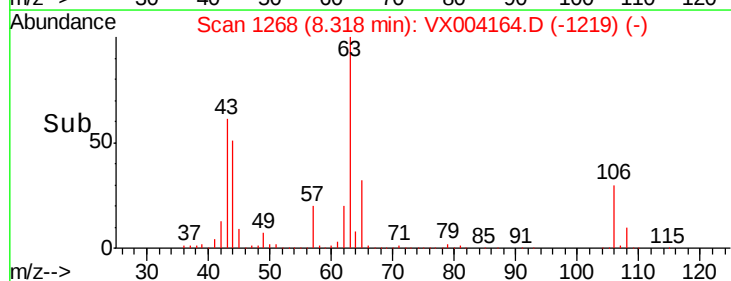
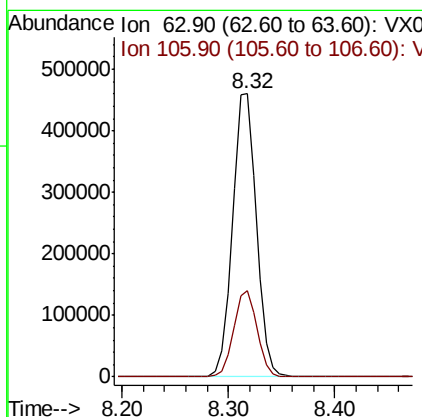
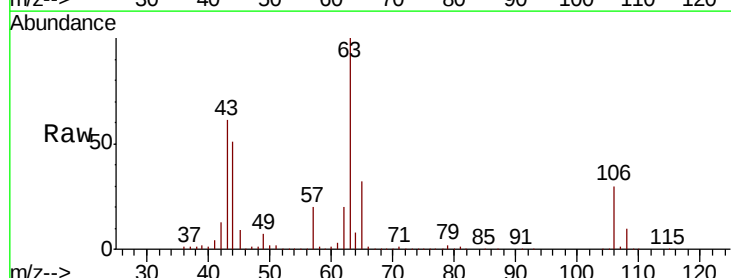
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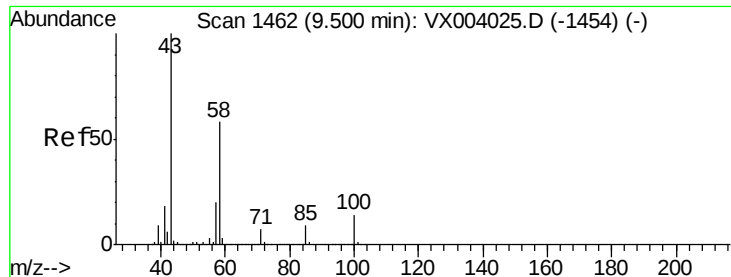
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 258.57 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX004164.D
 Acq: 20 Aug 2018 20:14

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.9	23.8	35.8





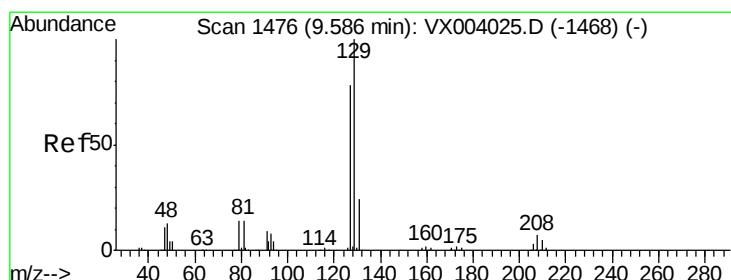
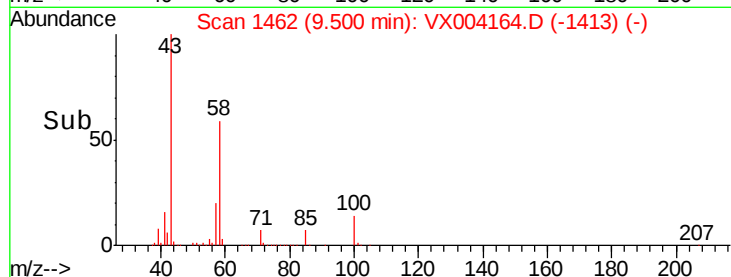
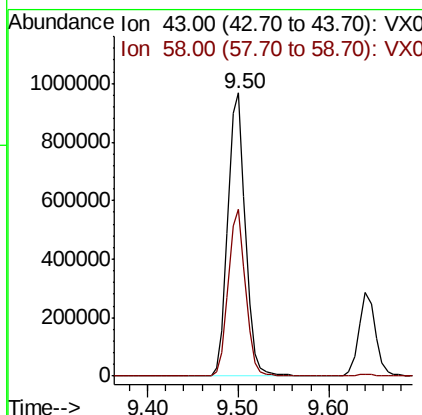
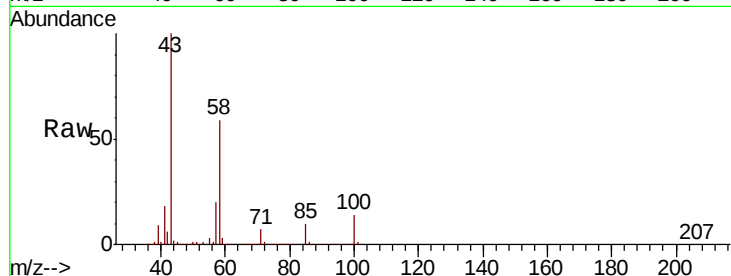
#59
2-Hexanone
Concen: 255.26 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX004164.D
Acq: 20 Aug 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1304373
Ion Ratio Lower Upper
43 100
58 58.1 29.0 87.0

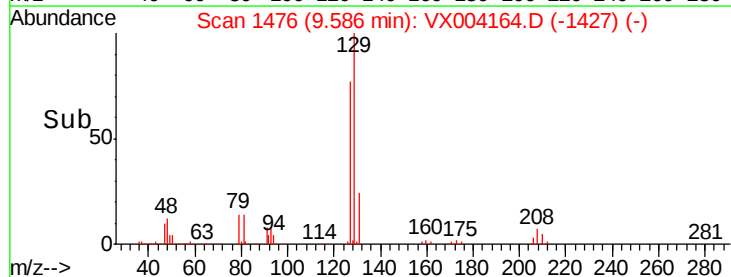
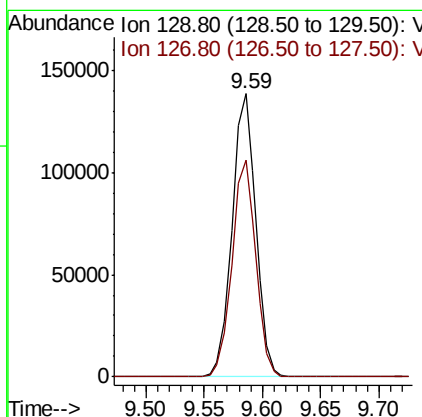
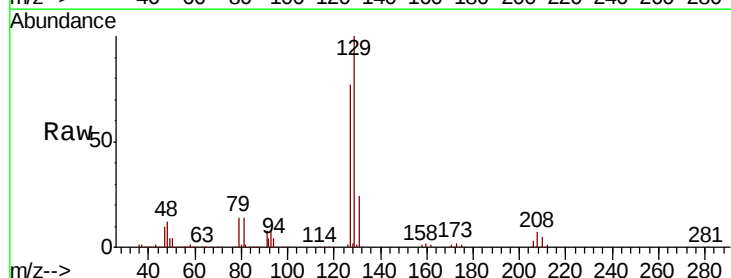
Manual Integrations
APPROVED

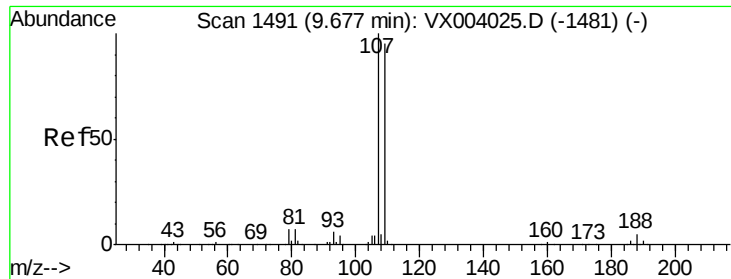
MMDadoda
8/21/2018 11:16:59 AM



#60
Dibromochloromethane
Concen: 50.57 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX004164.D
Acq: 20 Aug 2018 20:14

Tgt Ion: 129 Resp: 196869
Ion Ratio Lower Upper
129 100
127 76.8 38.8 116.3





#61

1,2-Dibromoethane

Concen: 49.15 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.01 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 202722

Ion Ratio Lower Upper

107 100

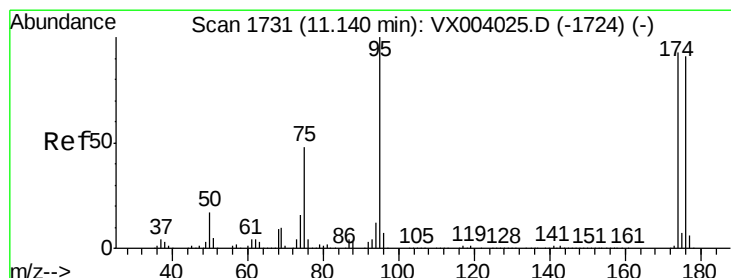
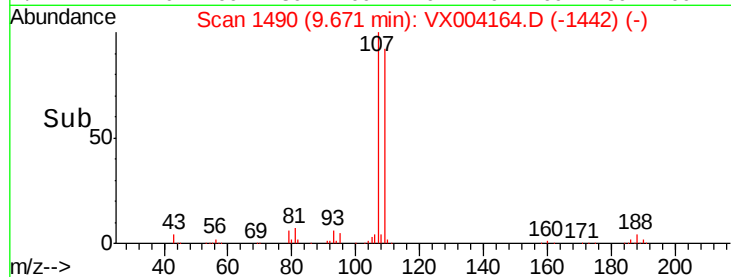
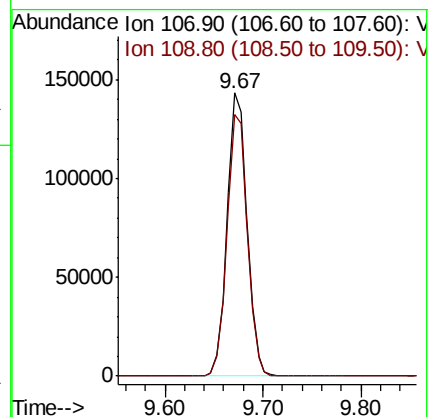
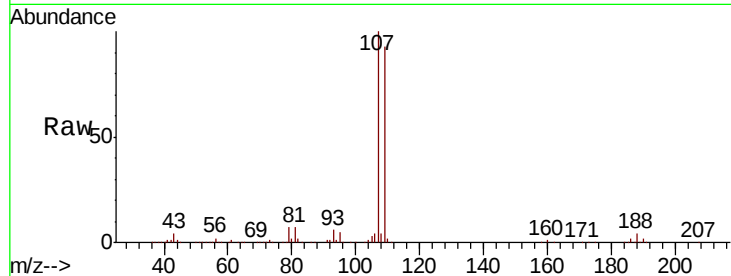
109 94.5 75.8 113.8

Manual Integrations

APPROVED

MMDadoda

8/21/2018 11:16:59 AM



#62

4-Bromofluorobenzene

Concen: 49.05 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

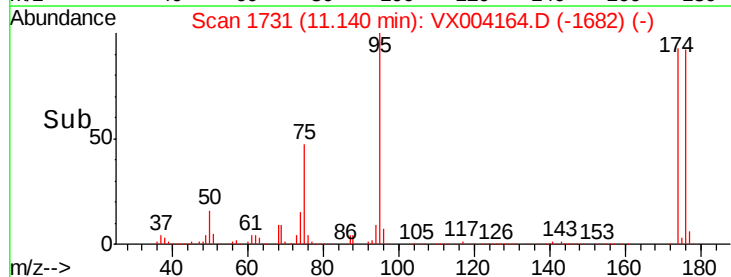
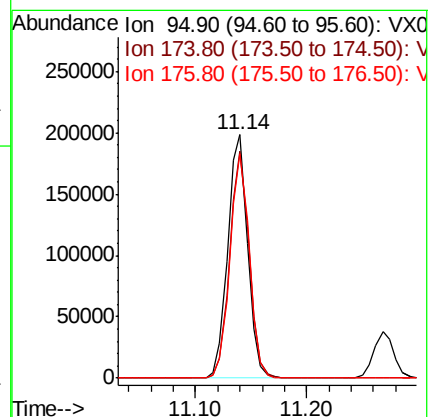
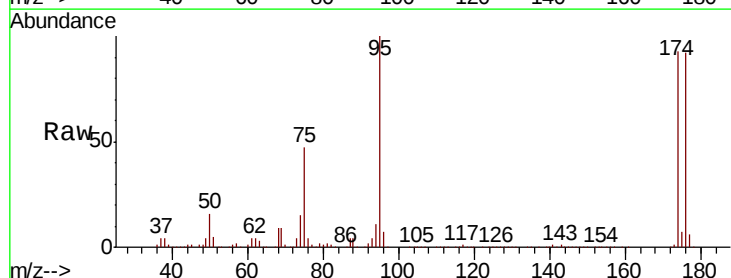
Tgt Ion: 95 Resp: 244727

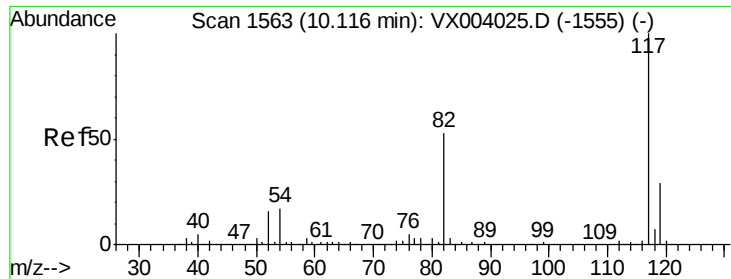
Ion Ratio Lower Upper

95 100

174 91.4 0.0 182.8

176 90.3 0.0 179.0





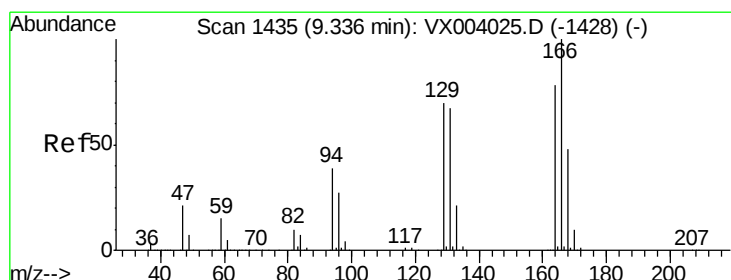
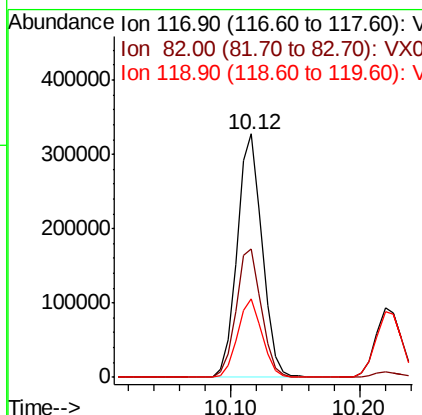
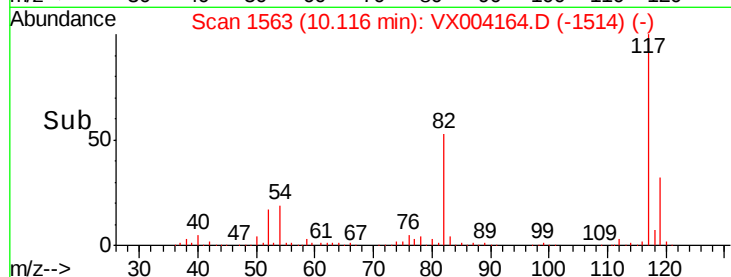
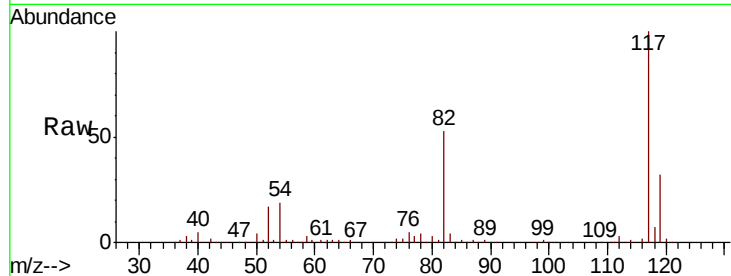
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004164.D
Acq: 20 Aug 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	45.4	68.0
119	32.4	26.6	40.0

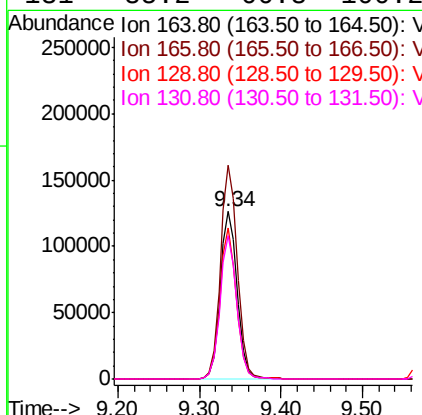
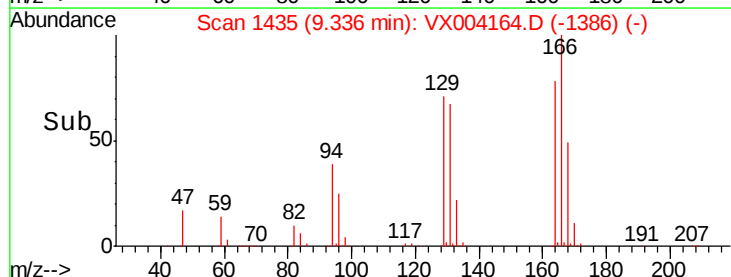
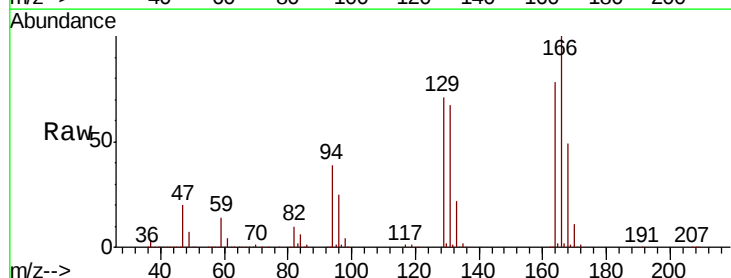
Manual Integrations
APPROVED

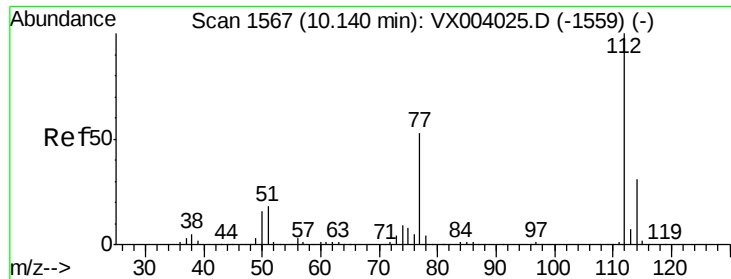
MMDadoda
8/21/2018 11:16:59 AM



#64
Tetrachloroethene
Concen: 44.08 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004164.D
Acq: 20 Aug 2018 20:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	98.0	147.0
129	90.1	64.3	96.5
131	85.2	66.8	100.2





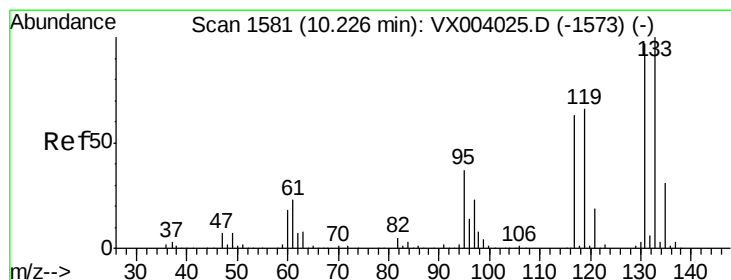
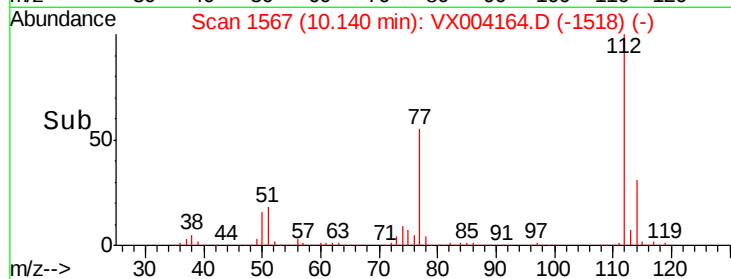
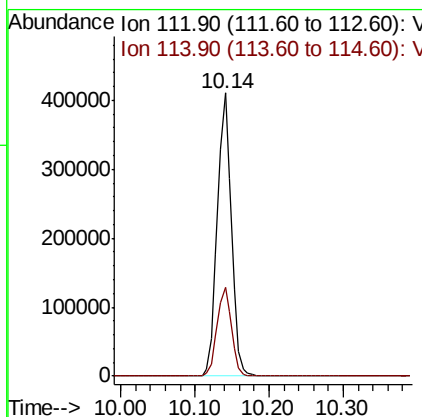
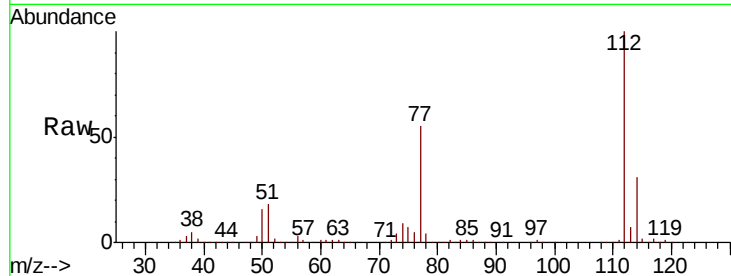
#65
Chlorobenzene
Concen: 46.83 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX004164.D
Acq: 20 Aug 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 531179
Ion Ratio Lower Upper
112 100
114 31.4 23.6 35.4

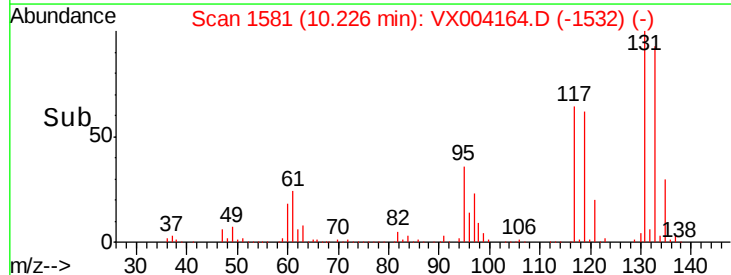
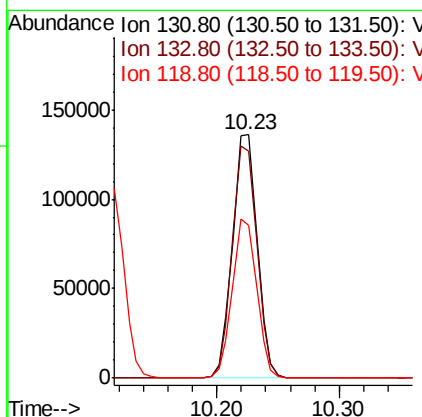
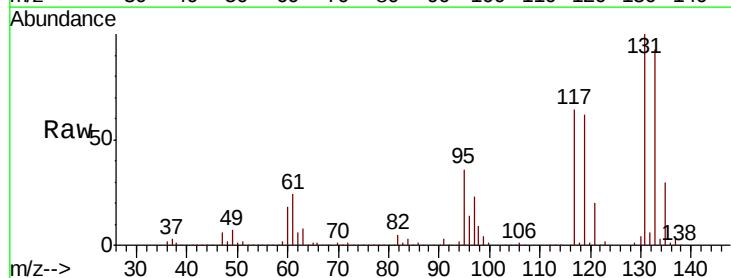
Manual Integrations
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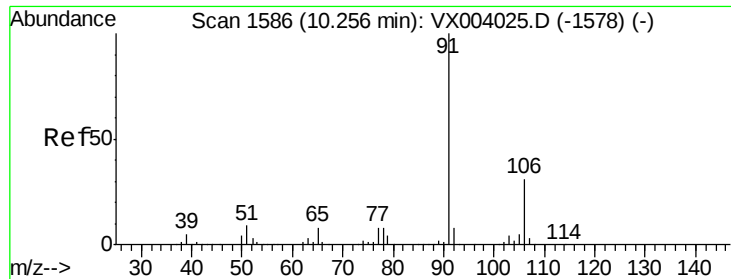
MMDadoda
8/21/2018 11:16:59 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.08 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX004164.D
Acq: 20 Aug 2018 20:14

Tgt Ion:131 Resp: 189857
Ion Ratio Lower Upper
131 100
133 96.0 47.3 141.8
119 64.7 31.6 94.8





#67

Ethyl Benzene

Concen: 49.15 ug/l

RT: 10.25 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 882804

Ion Ratio Lower Upper

91 100

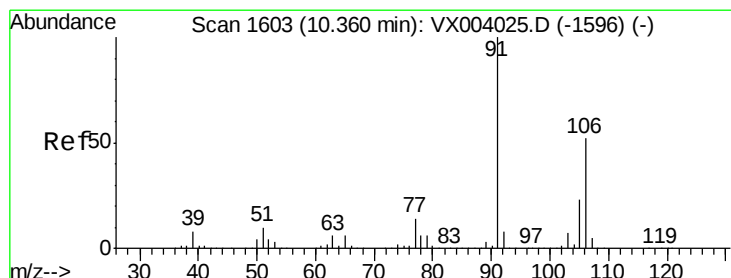
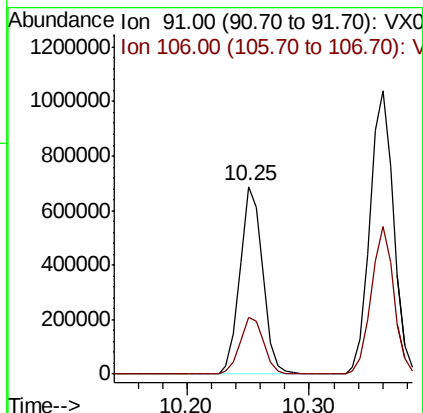
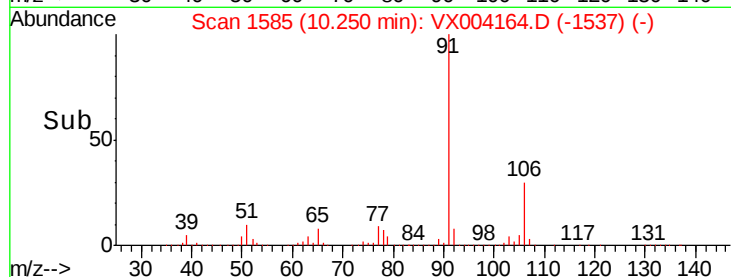
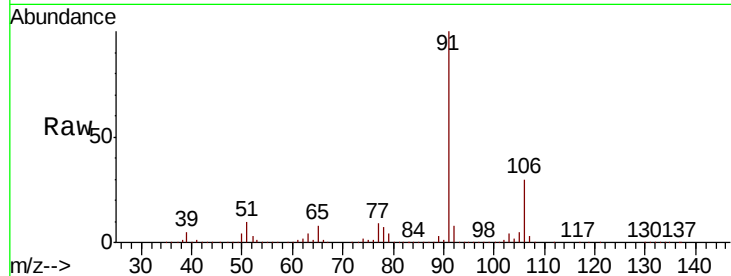
106 29.9 25.9 38.9

Manual Integrations

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MMDadoda

8/21/2018 11:16:59 AM



#68

m/p-Xylenes

Concen: 99.33 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX004164.D

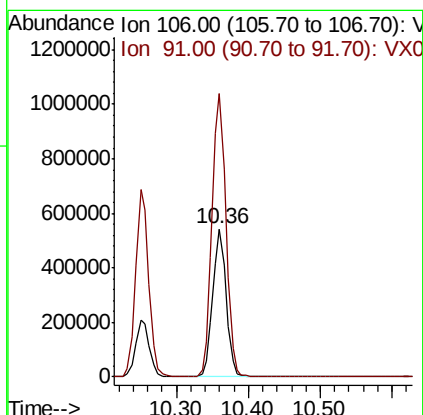
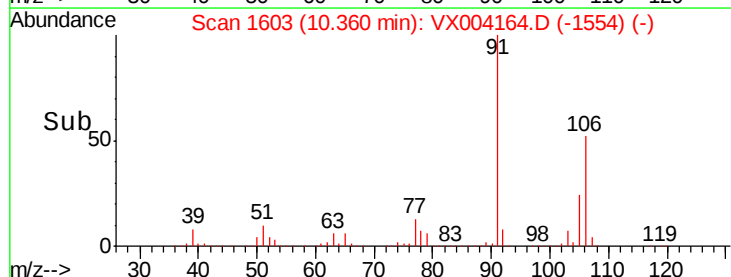
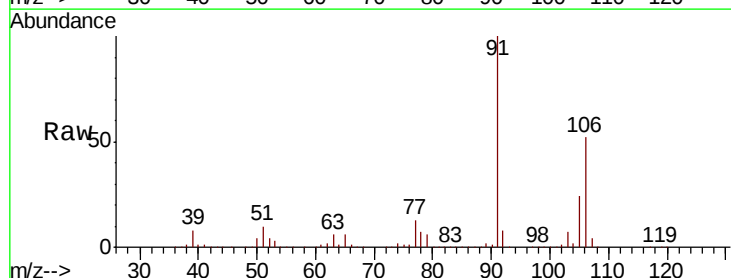
Acq: 20 Aug 2018 20:14

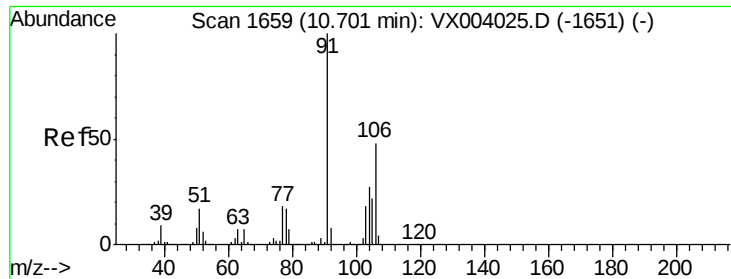
Tgt Ion: 106 Resp: 698589

Ion Ratio Lower Upper

106 100

91 199.6 162.3 243.5





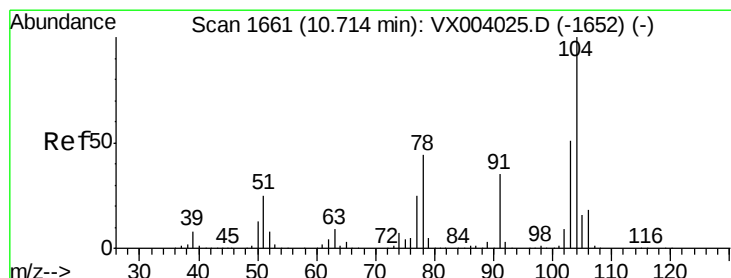
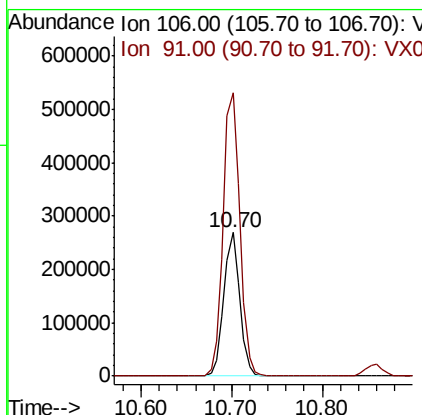
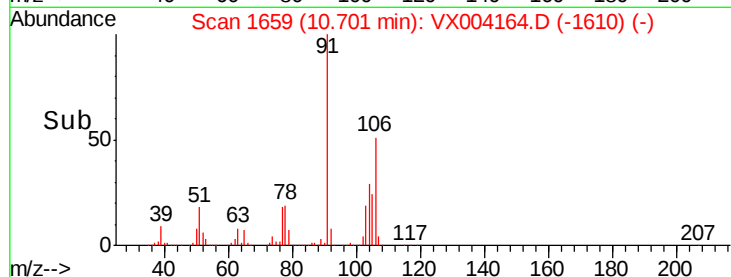
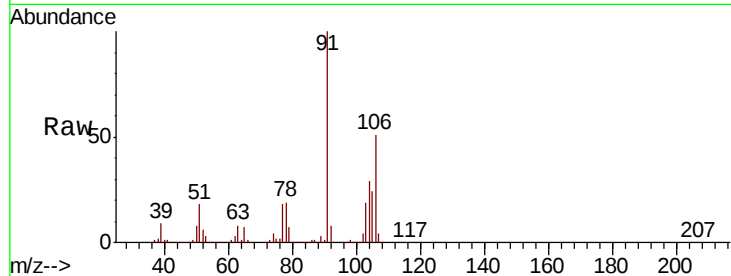
#69
o-Xylene
Concen: 49.32 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX004164.D
Acq: 20 Aug 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 331486
Ion Ratio Lower Upper
106 100
91 206.4 101.9 305.7

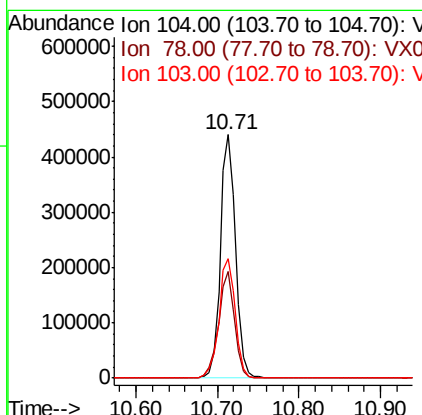
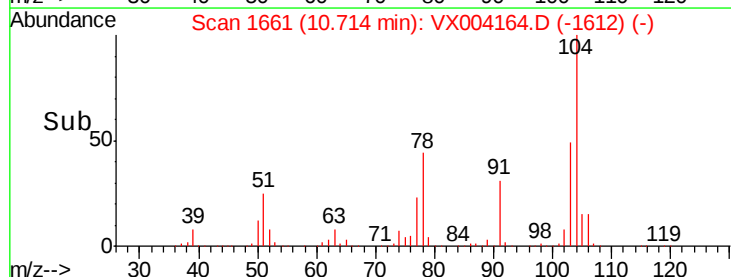
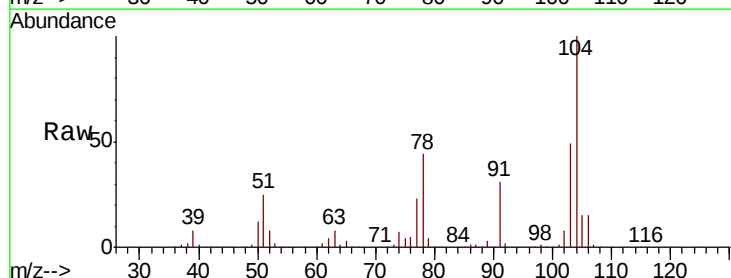
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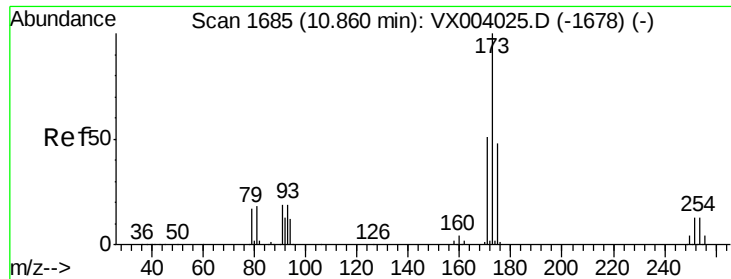
MMDadoda
8/21/2018 11:16:59 AM



#70
Styrene
Concen: 50.33 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004164.D
Acq: 20 Aug 2018 20:14

Tgt Ion:104 Resp: 569292
Ion Ratio Lower Upper
104 100
78 47.2 39.8 59.6
103 53.5 44.3 66.5





#71

Bromoform

Concen: 47.54 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 145819

Ion Ratio Lower Upper

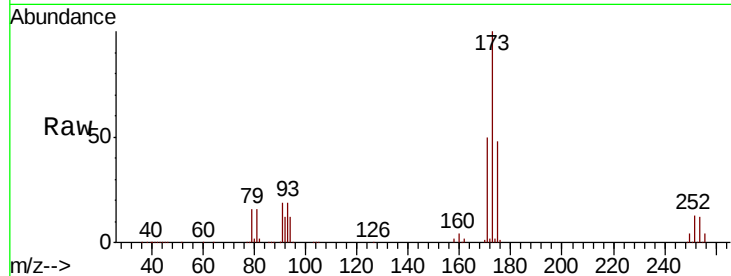
173 100

175 49.6 24.9 74.7

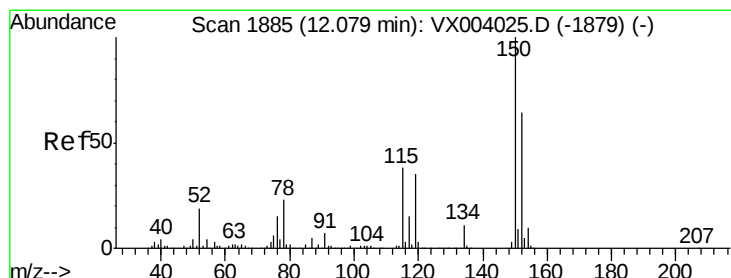
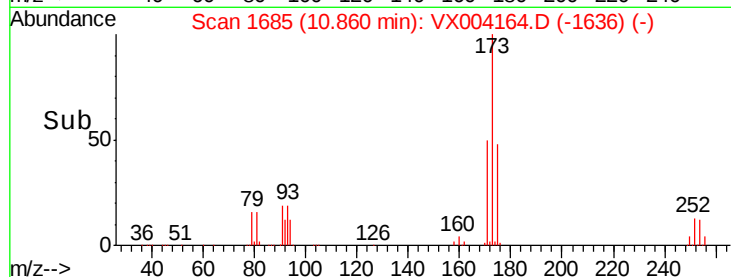
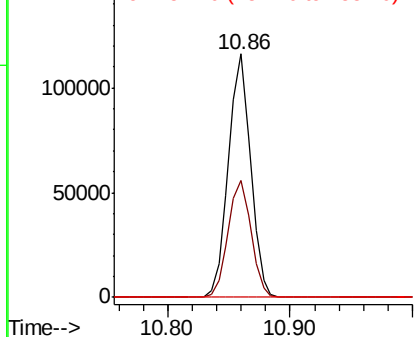
254 0.1 0.2 0.2#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

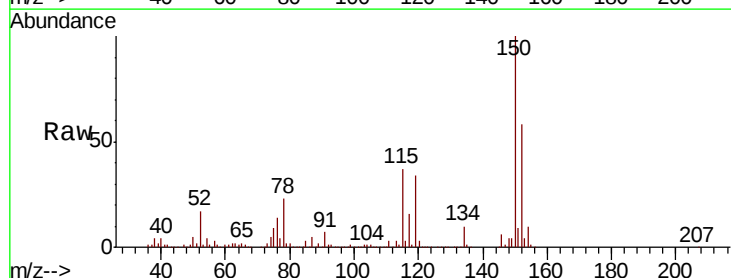
Tgt Ion:152 Resp: 262446

Ion Ratio Lower Upper

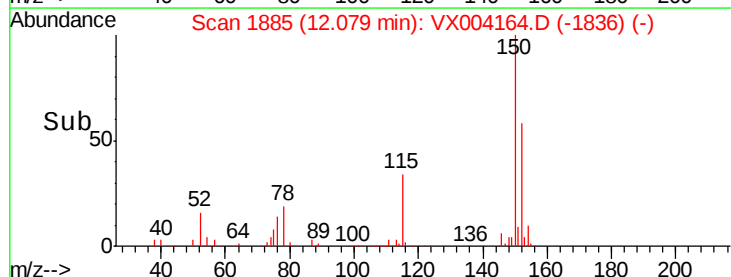
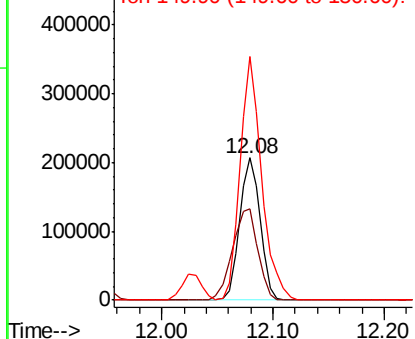
152 100

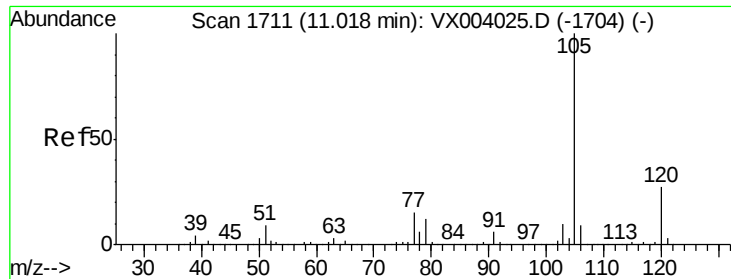
115 79.3 39.1 117.3

150 180.5 0.0 349.2



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





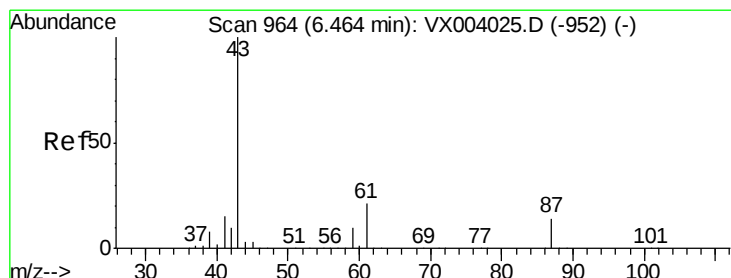
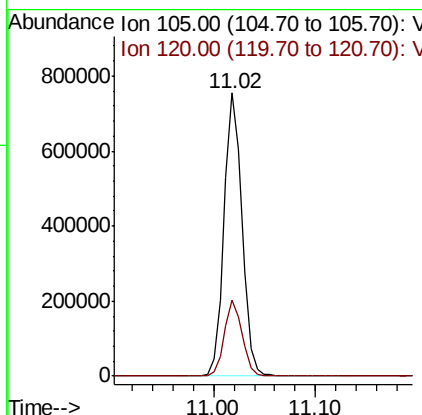
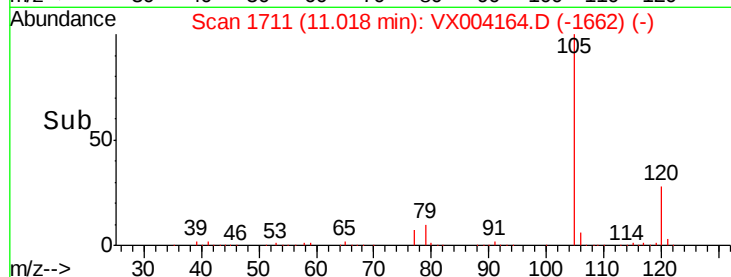
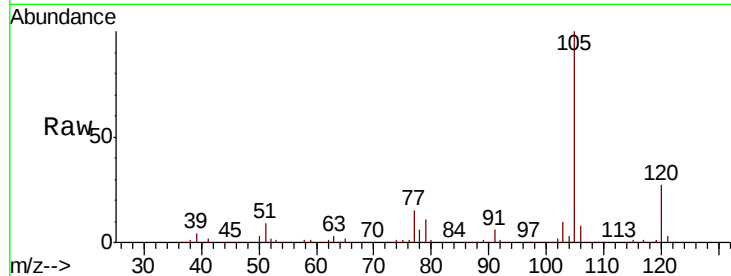
#73
Isopropylbenzene
Concen: 52.18 ug/l
RT: 11.02 min Scan# 1711
Delta R.T. 0.00 min
Lab File: VX004164.D
Acq: 20 Aug 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.5	12.6	37.8

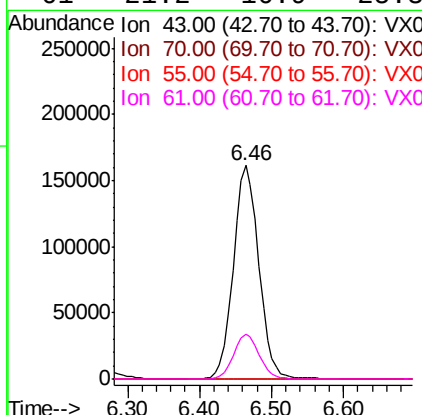
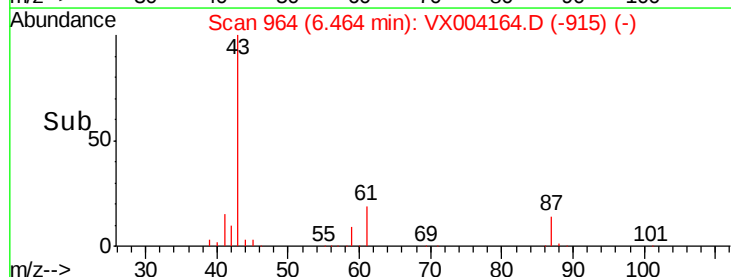
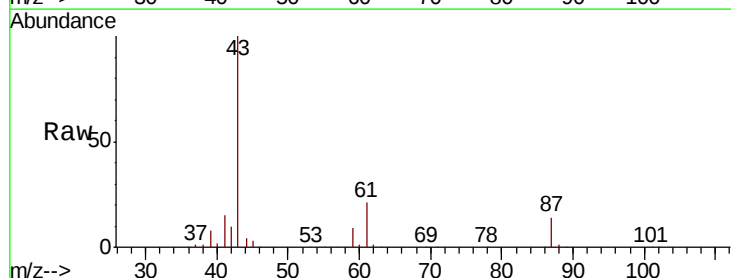
Manual Integrations
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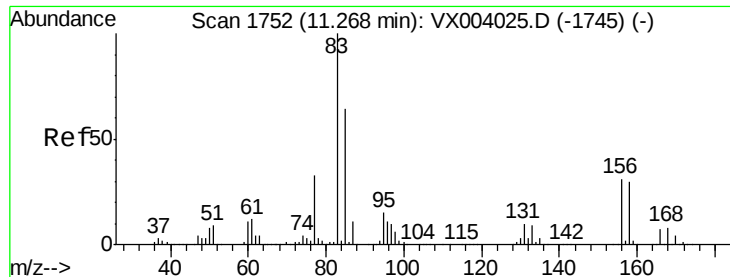
MMDadoda
8/21/2018 11:16:59 AM



#74
N-ethyl acetate
Concen: 47.22 ug/l
RT: 6.46 min Scan# 964
Delta R.T. -0.00 min
Lab File: VX004164.D
Acq: 20 Aug 2018 20:14

Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	0.0	0.0
55	0.1	0.1	0.1#
61	21.2	16.9	25.3





#75

1,1,2,2-Tetrachloroethane

Concen: 50.10 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

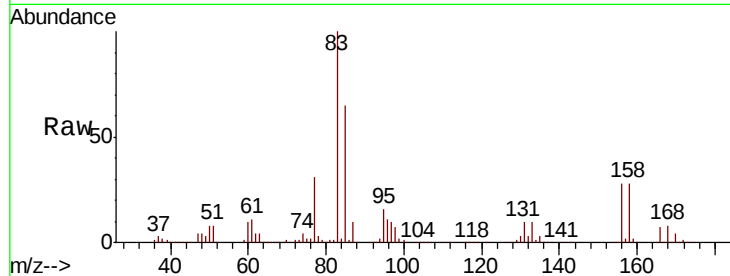
VSTDCCC050EC

Tot Ion: 83 Resp: 310737
Ion Ratio Lower Upper

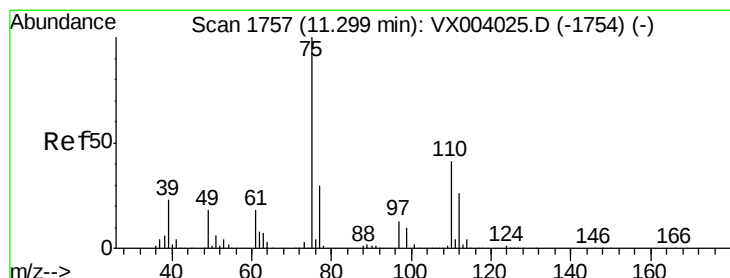
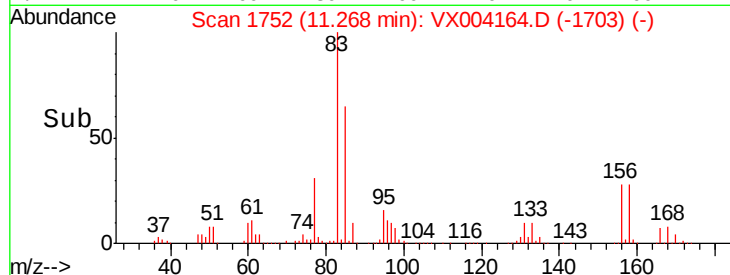
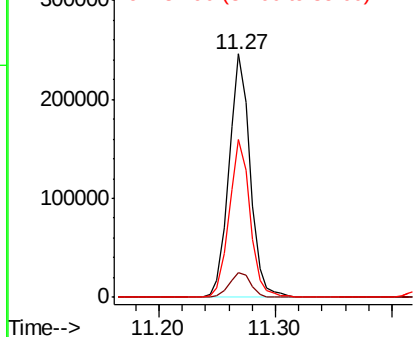
83	100		
131	10.5	5.2	15.6
85	64.2	32.2	96.6

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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 52.12 ug/l m

RT: 11.30 min Scan# 1757

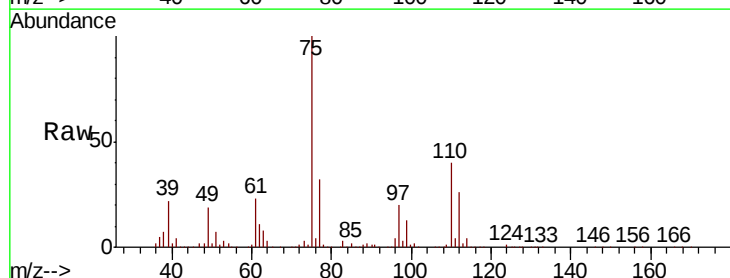
Delta R.T. 0.00 min

Lab File: VX004164.D

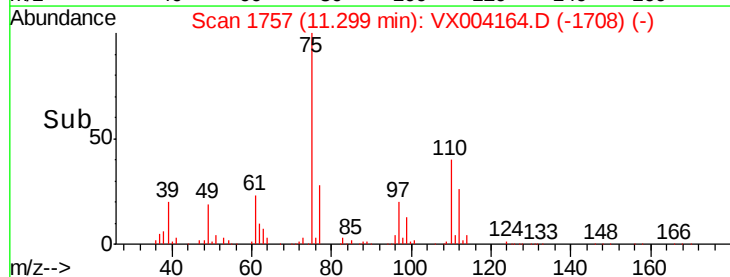
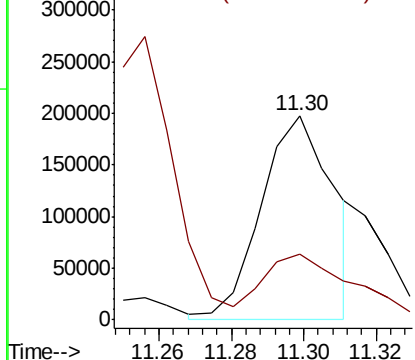
Acq: 20 Aug 2018 20:14

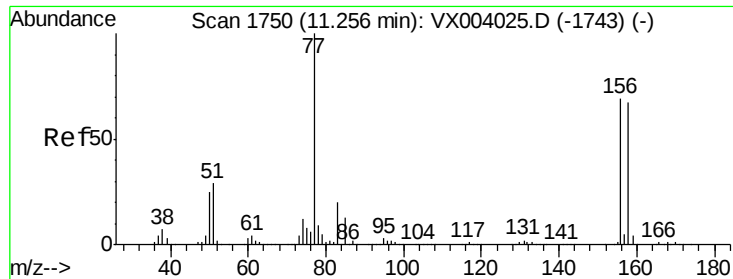
Tgt Ion: 75 Resp: 274300
Ion Ratio Lower Upper

75	100		
77	40.1	20.8	62.5



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 50.13 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

Instrument :

MSVOA_X

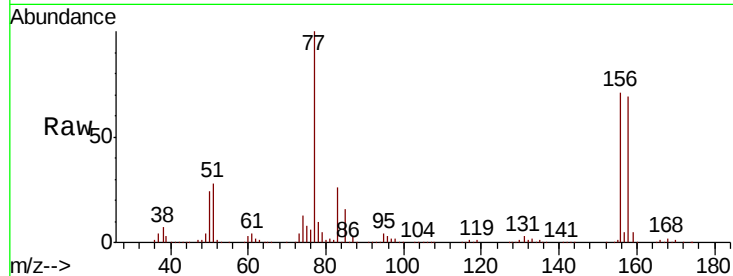
ClientSampleId :

VSTDCCC050EC

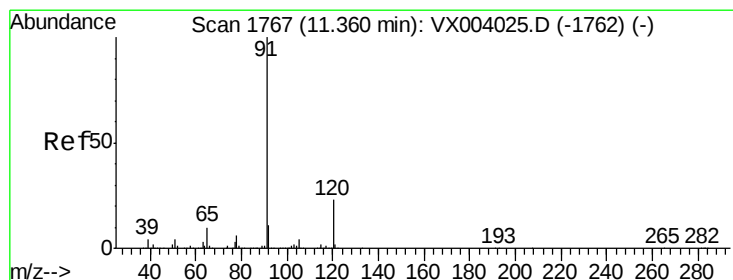
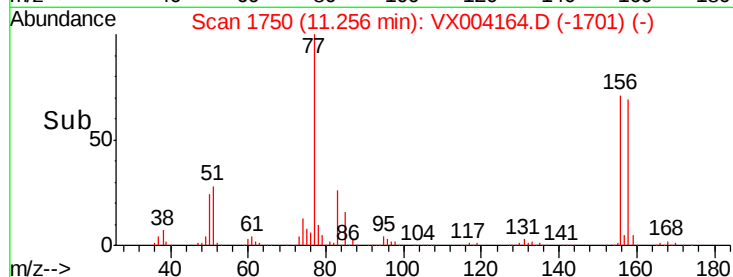
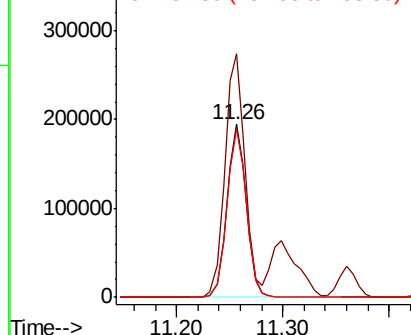
Tot Ion:	156	Resp:	245415
Ion Ratio	Lower	Upper	
156	100		
77	146.1	74.1	222.2
158	98.3	48.6	145.9

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.26 ug/l

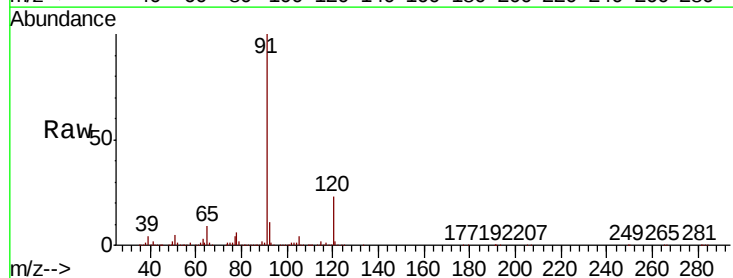
RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

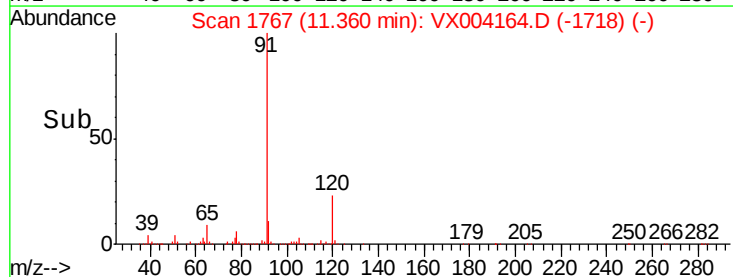
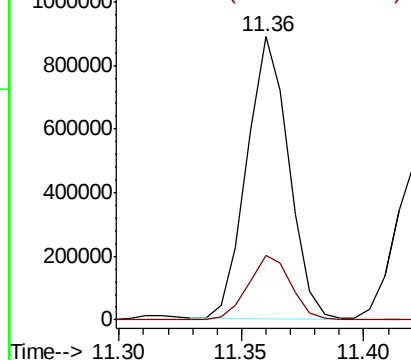
Lab File: VX004164.D

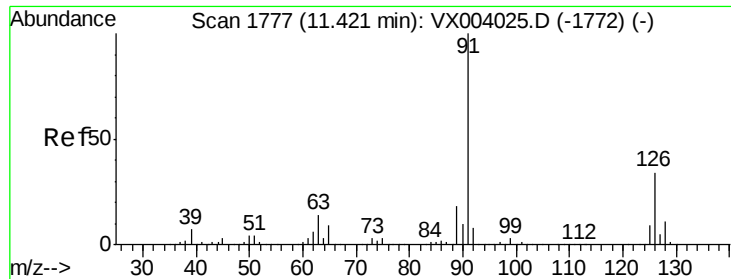
Acq: 20 Aug 2018 20:14

Tgt Ion:	91	Resp:	1058540
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.9	35.5



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





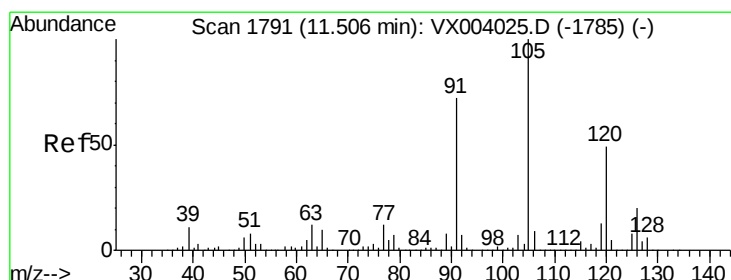
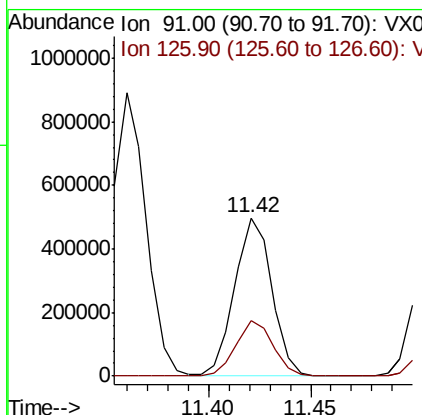
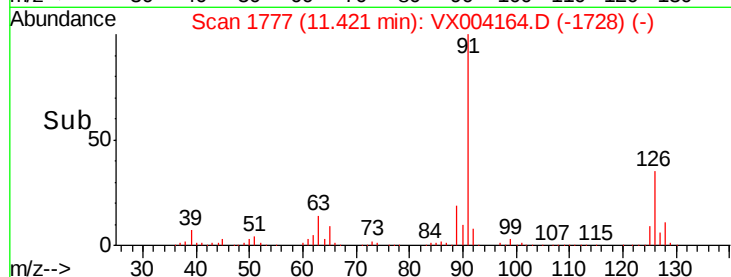
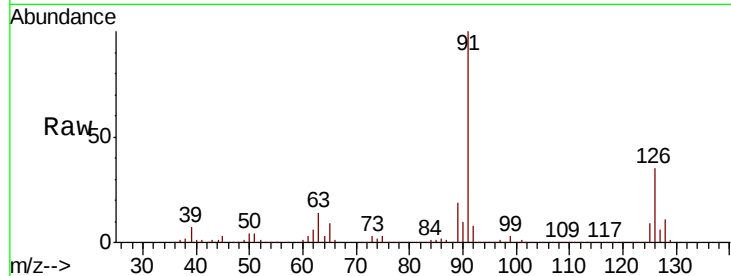
#79
 2-Chlorotoluene
 Concen: 51.66 ug/l
 RT: 11.42 min Scan# 1777
 Delta R.T. 0.00 min
 Lab File: VX004164.D
 Acq: 20 Aug 2018 20:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 625704
 Ion Ratio Lower Upper
 91 100
 126 35.2 17.4 52.3

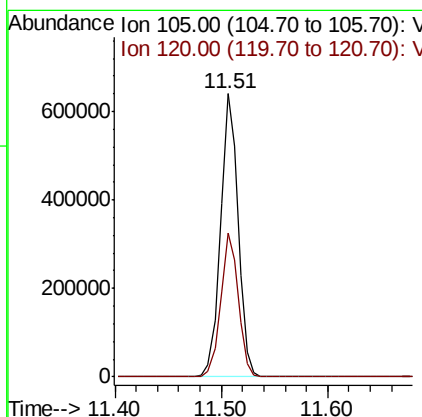
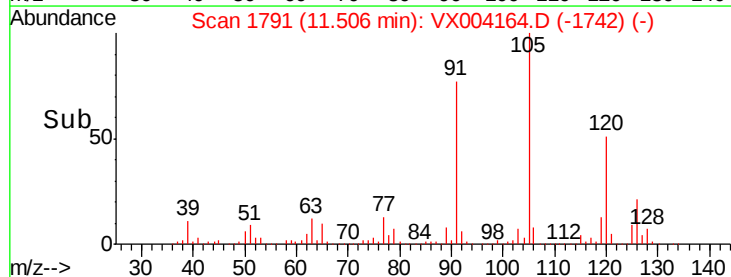
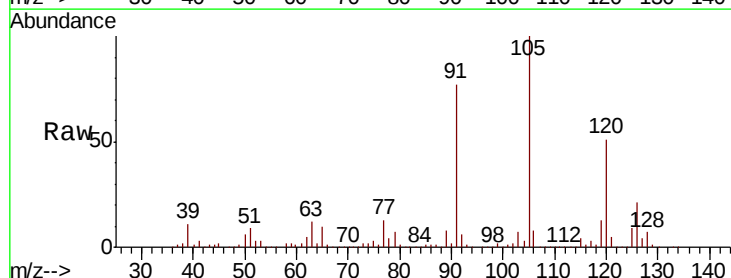
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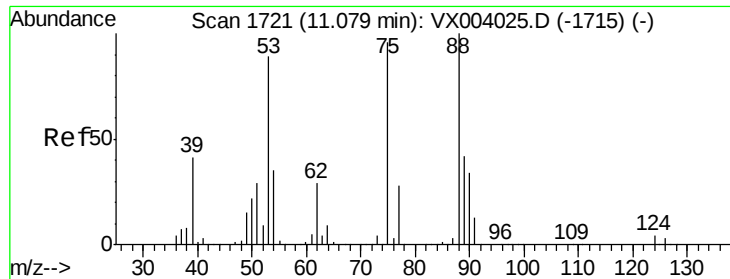
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#80
 1,3,5-Trimethylbenzene
 Concen: 50.61 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX004164.D
 Acq: 20 Aug 2018 20:14

Tgt Ion: 105 Resp: 735967
 Ion Ratio Lower Upper
 105 100
 120 50.6 25.4 76.2





#81

trans-1,4-Dichloro-2-butene

Concen: 49.29 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 83809

Ion Ratio Lower Upper

75 100

53 102.3 80.3 120.5

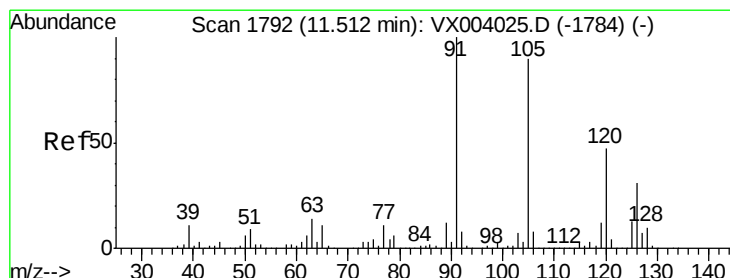
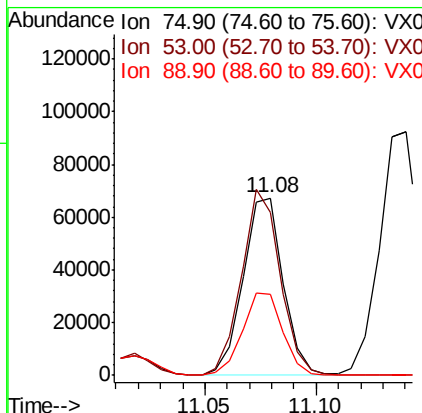
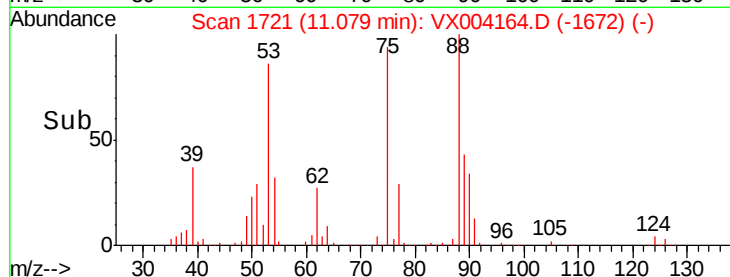
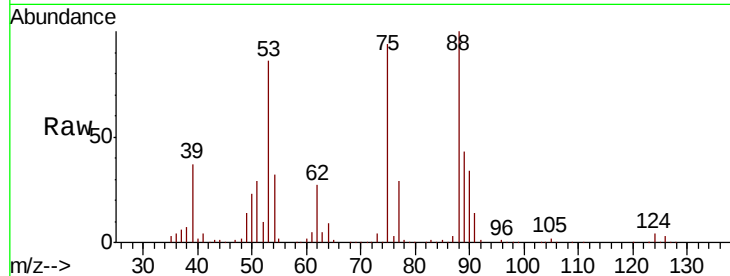
89 47.2 37.8 56.8

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#82

4-Chlorotoluene

Concen: 50.69 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX004164.D

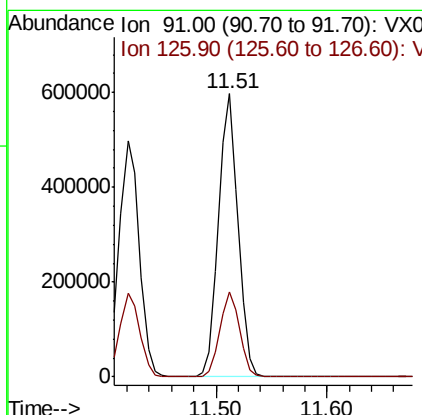
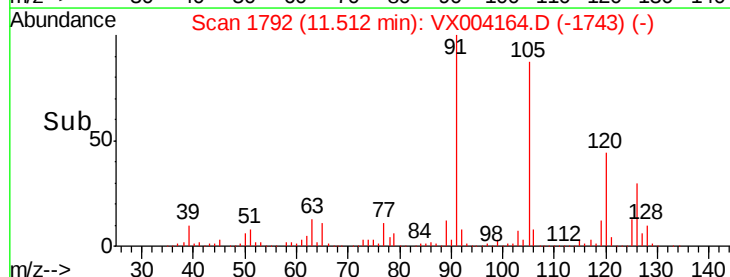
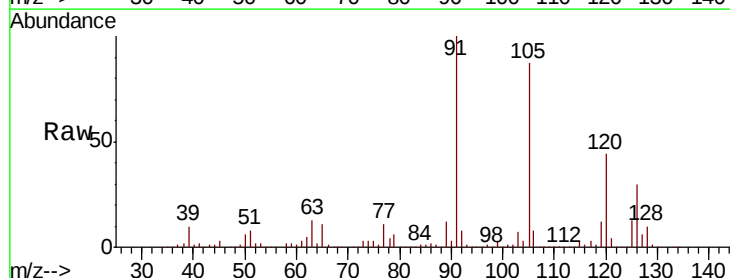
Acq: 20 Aug 2018 20:14

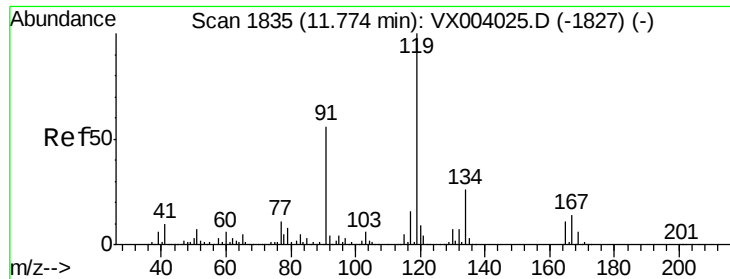
Tgt Ion: 91 Resp: 725806

Ion Ratio Lower Upper

91 100

126 30.2 15.6 46.7





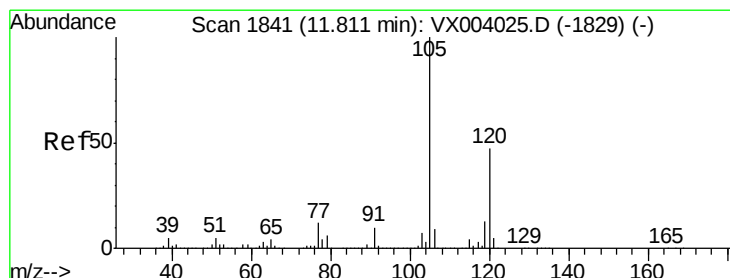
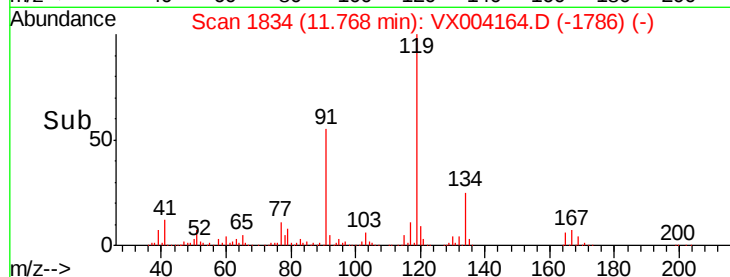
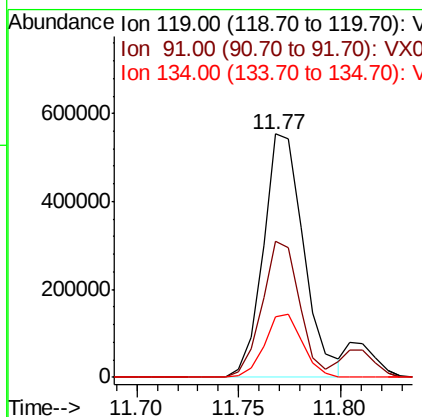
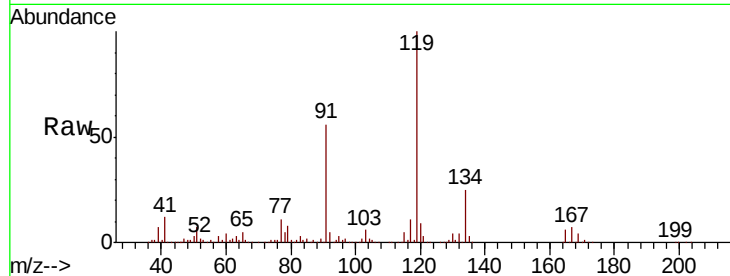
#83
 tert-Butylbenzene
 Concen: 52.19 ug/l
 RT: 11.77 min Scan# 1834
 Delta R.T. -0.01 min
 Lab File: VX004164.D
 Acq: 20 Aug 2018 20:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	51.8	26.9	80.7
134	24.4	12.0	36.0

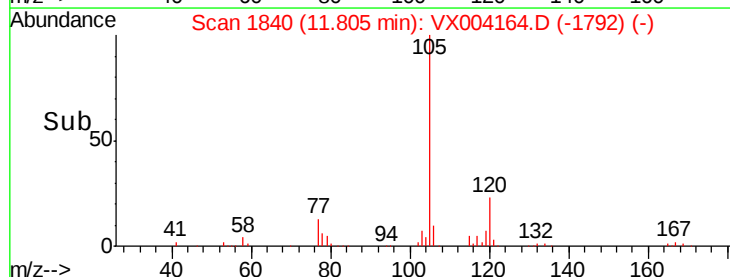
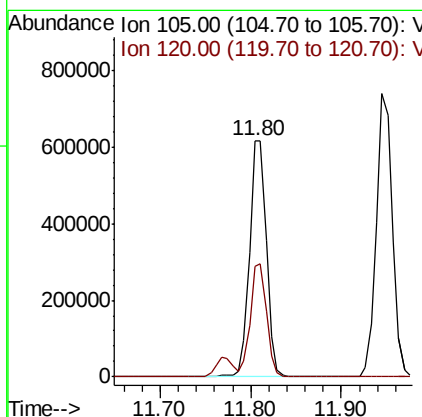
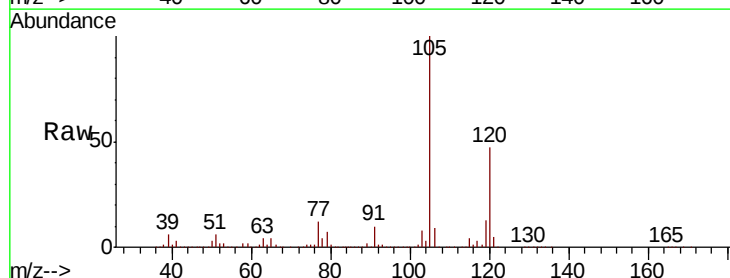
Manual Integrations
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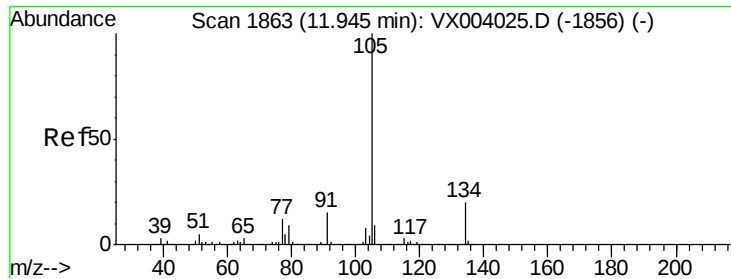
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.67 ug/l
 RT: 11.80 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: VX004164.D
 Acq: 20 Aug 2018 20:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.1	69.2





#85

sec-Butylbenzene

Concen: 52.71 ug/l

RT: 11.94 min Scan# 1863

Delta R.T. -0.00 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 904544

Ion Ratio Lower Upper

105 100

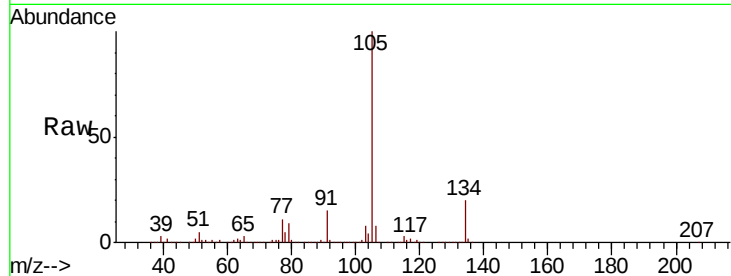
134 20.6 10.3 30.9

Manual Integrations

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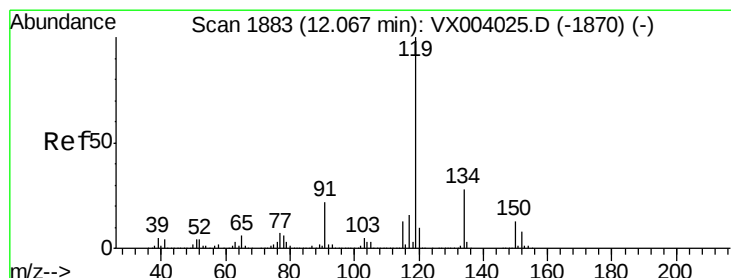
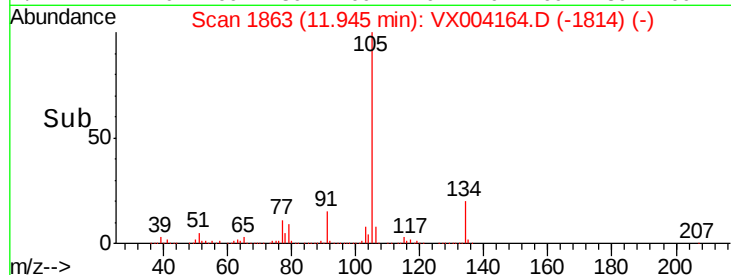
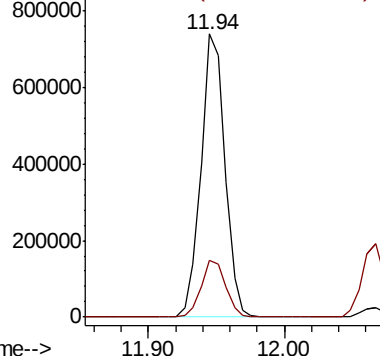
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.45 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

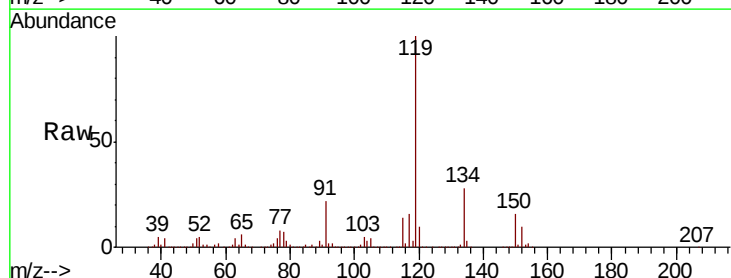
Tgt Ion:119 Resp: 814837

Ion Ratio Lower Upper

119 100

134 27.4 13.3 39.8

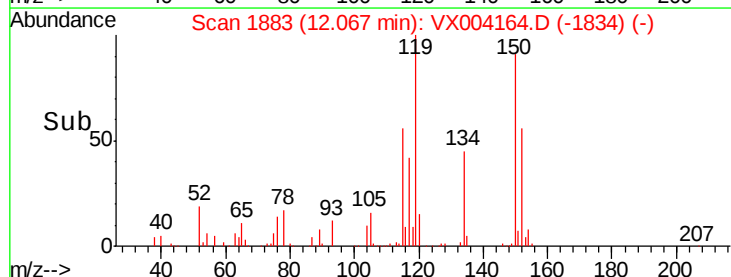
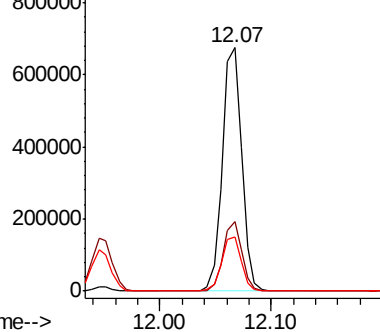
91 22.3 10.9 32.7

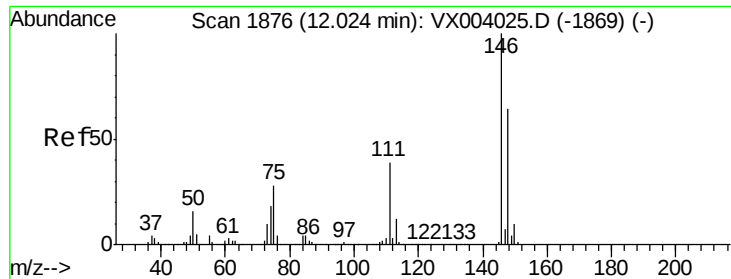


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 49.35 ug/l

RT: 12.02 min Scan# 1876

Delta R.T. 0.00 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

Instrument :

MSVOA_X

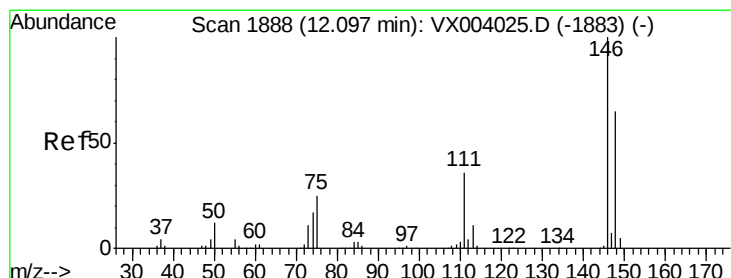
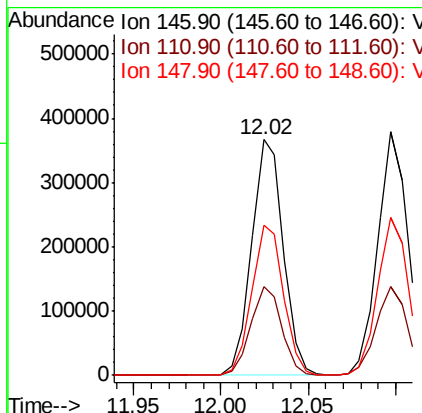
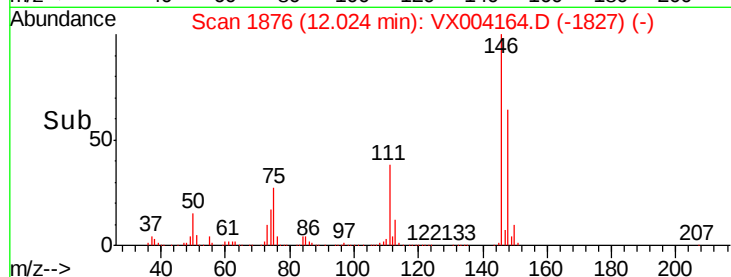
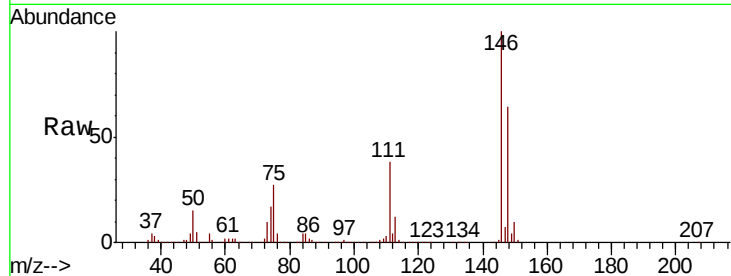
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	460801
Ion Ratio	Lower	Upper	
146	100		
111	37.2	18.8	56.4
148	63.8	31.9	95.5

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#88

1,4-Dichlorobenzene

Concen: 47.32 ug/l

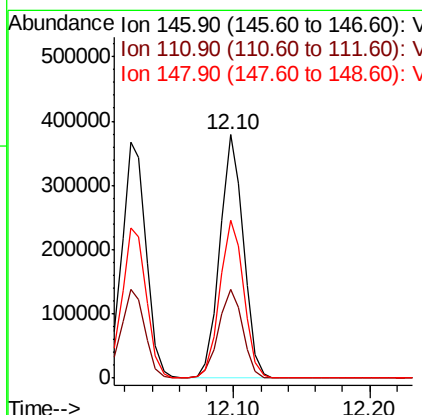
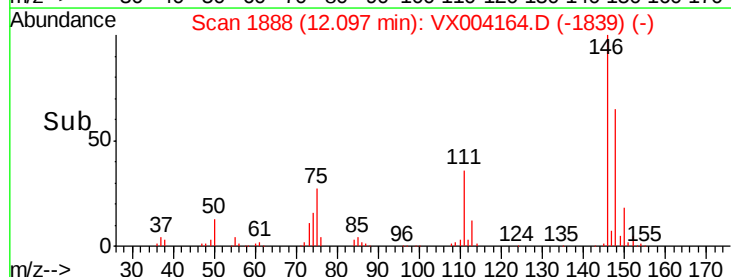
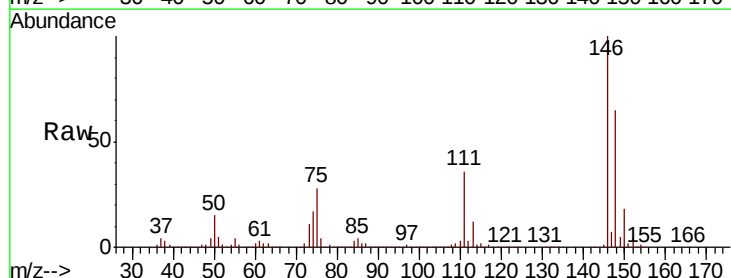
RT: 12.10 min Scan# 1888

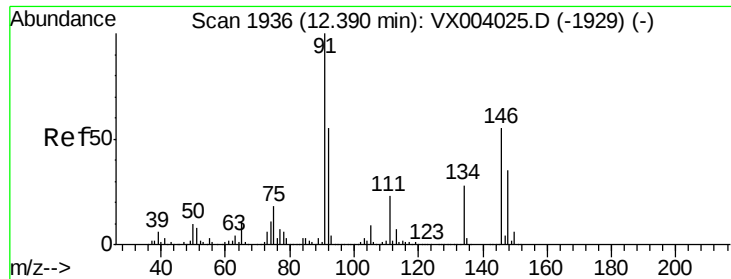
Delta R.T. -0.00 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

Tgt Ion:	146	Resp:	454780
Ion Ratio	Lower	Upper	
146	100		
111	37.5	18.4	55.0
148	65.6	32.3	96.8





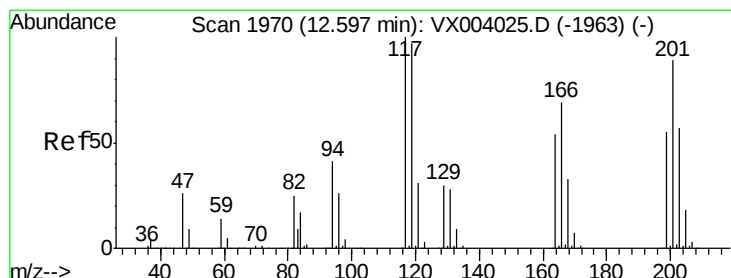
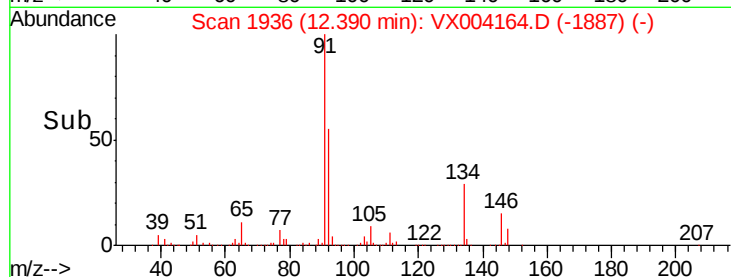
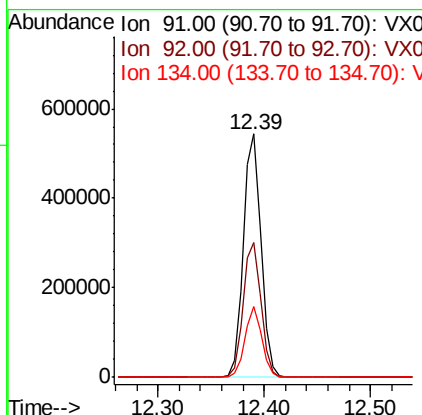
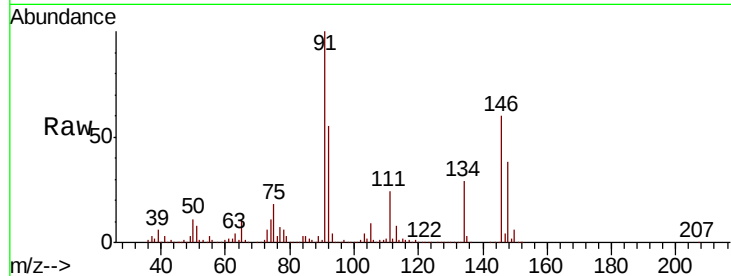
#89
n-Butylbenzene
Concen: 51.84 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004164.D
Acq: 20 Aug 2018 20:14

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.8	27.1	81.3
134	27.5	13.6	40.7

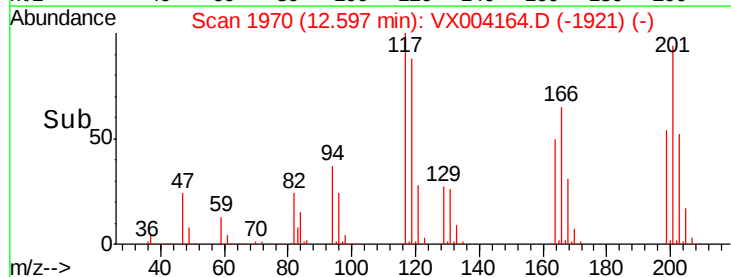
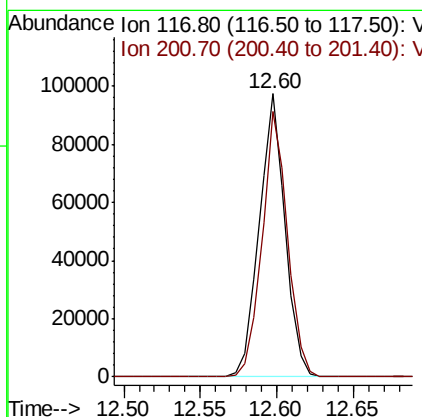
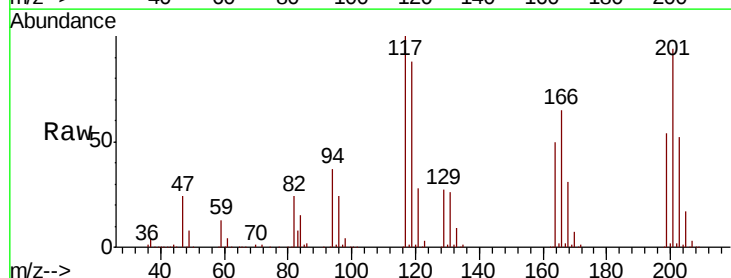
Manual Integrations
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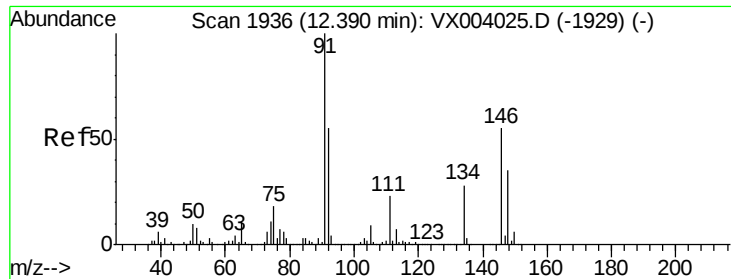
MMDadoda
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#90
Hexachloroethane
Concen: 49.11 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX004164.D
Acq: 20 Aug 2018 20:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.9	46.1	138.2





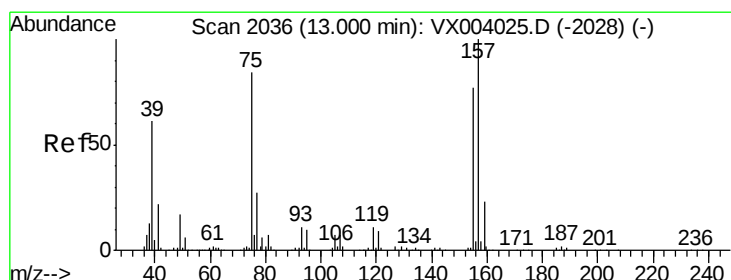
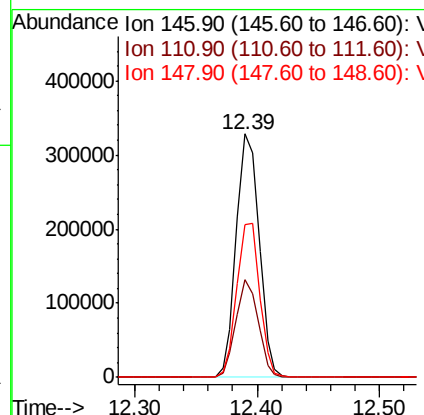
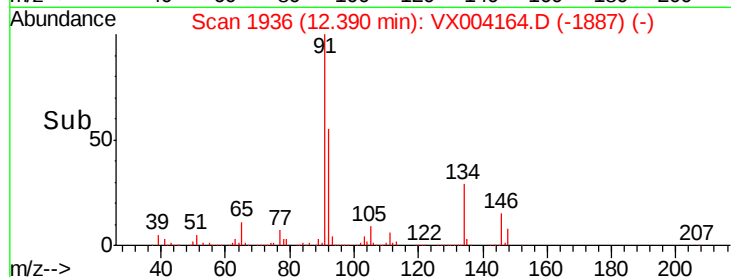
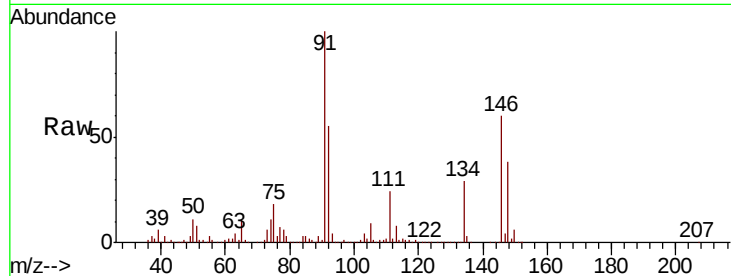
#91
 1,2-Dichlorobenzene
 Concen: 50.47 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VX004164.D
 Acq: 20 Aug 2018 20:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.7	59.0
148	63.1	31.9	95.5

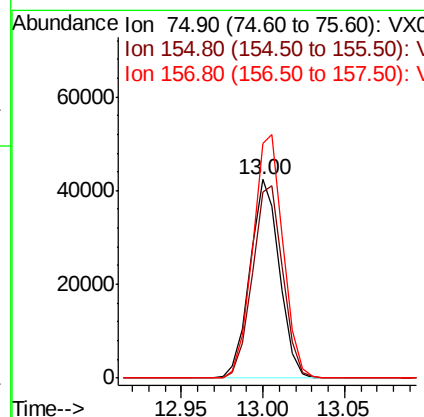
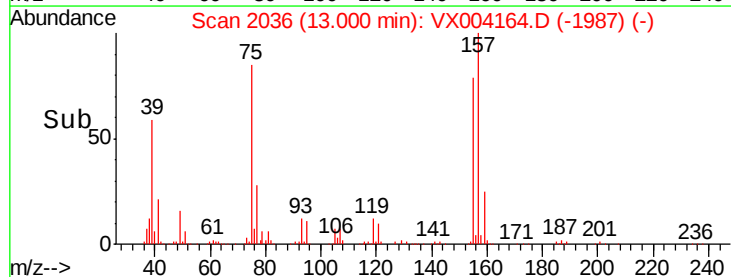
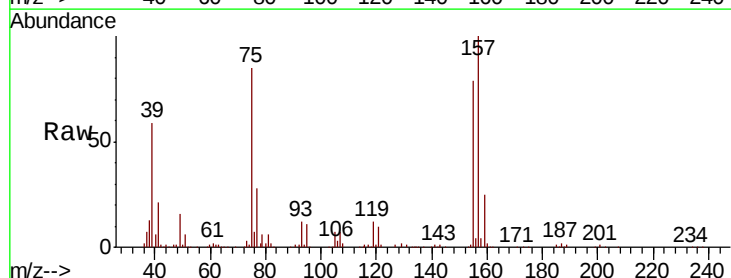
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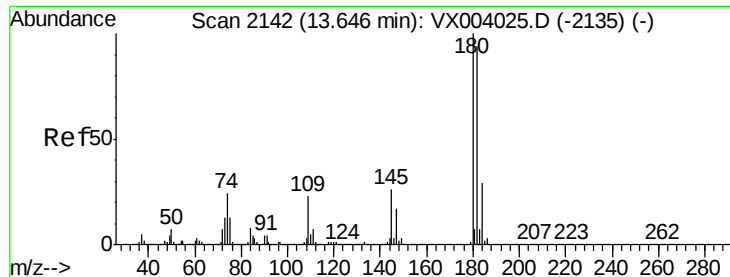
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.00 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VX004164.D
 Acq: 20 Aug 2018 20:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.5	48.7	146.1
157	125.7	62.6	187.8





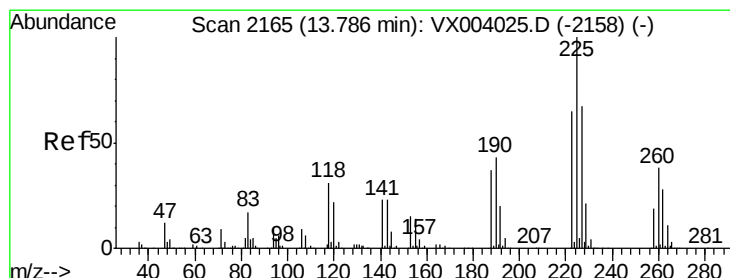
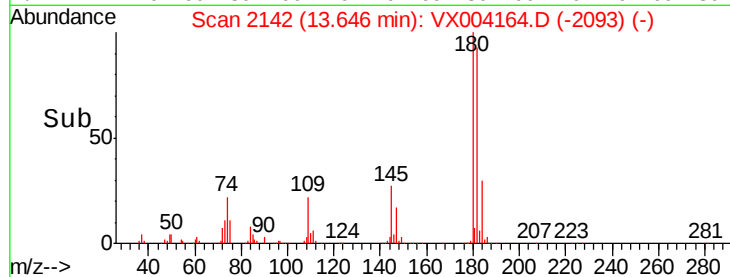
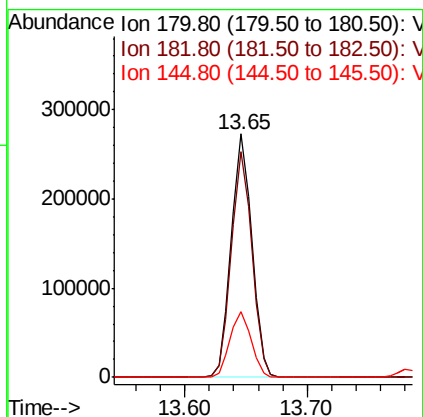
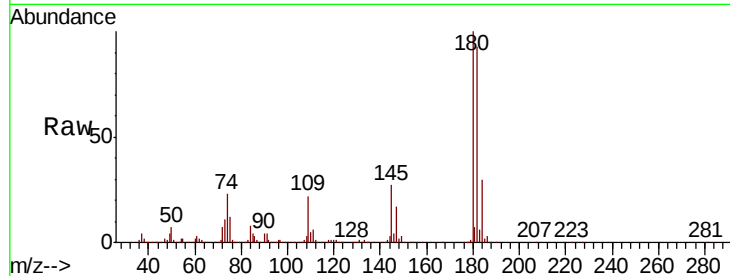
#93
 1,2,4-Trichlorobenzene
 Concen: 55.01 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004164.D
 Acq: 20 Aug 2018 20:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	31690		
182	92.6	47.7	143.1	
145	27.7	13.9	41.6	

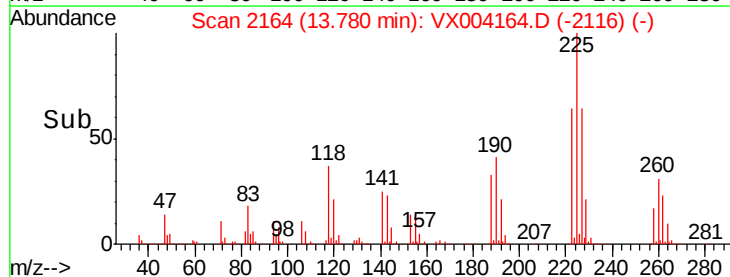
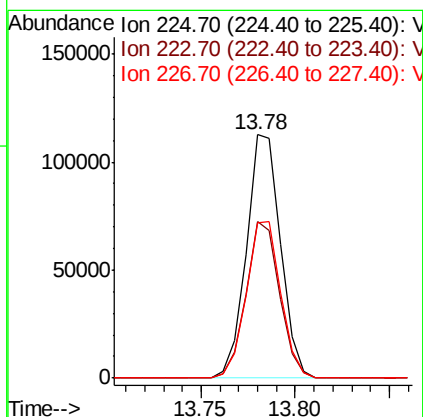
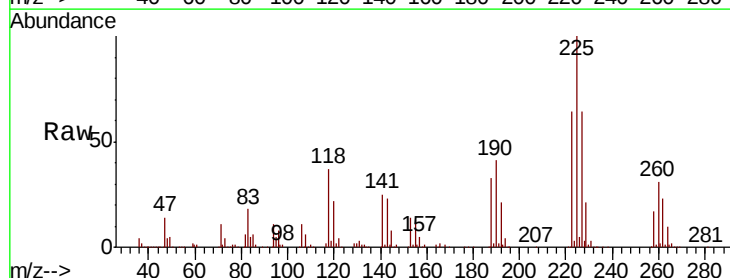
Manual Integrations
 APPROVED

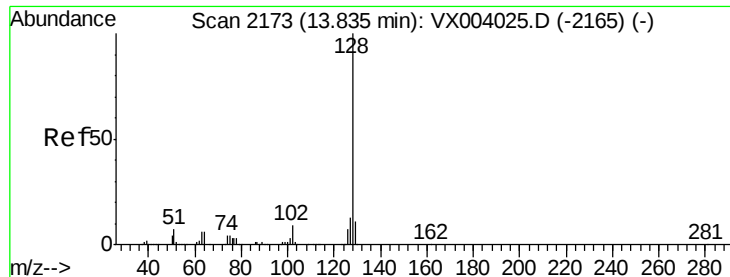
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#94
 Hexachlorobutadiene
 Concen: 49.00 ug/l
 RT: 13.78 min Scan# 2164
 Delta R.T. -0.01 min
 Lab File: VX004164.D
 Acq: 20 Aug 2018 20:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	141397		
223	63.4	31.4	94.0	
227	64.8	32.1	96.5	





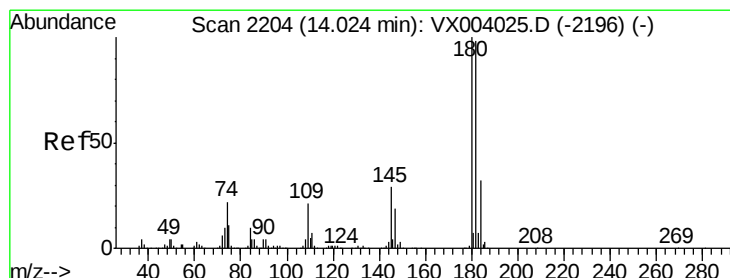
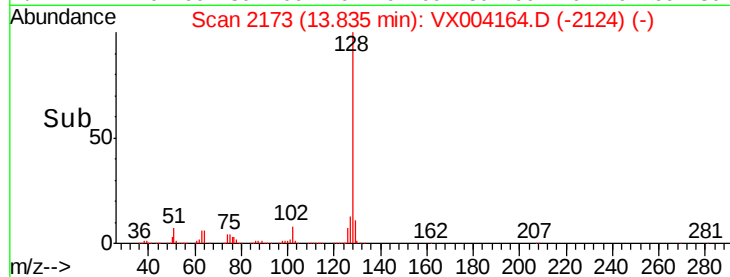
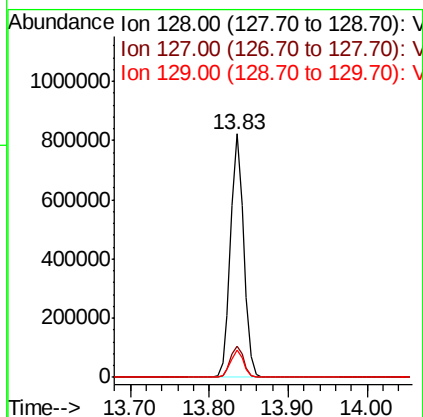
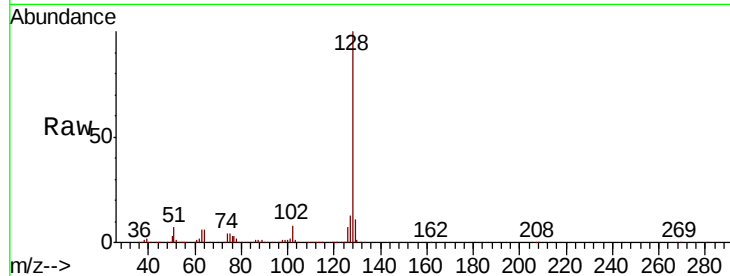
#95
Naphthalene
Concen: 51.97 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX004164.D
Acq: 20 Aug 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	11.2	8.8	13.2

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 53.86 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX004164.D
Acq: 20 Aug 2018 20:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.1	144.4
145	29.5	14.9	44.7

